

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                  |         |                                                                                  | TYPES       |             |             |             |             |             |             |             |             |             |             |             |  |
|-------------------------------------------------------|---------|----------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| FIG                                                   | NUMBER  | NAME AND DESCRIPTION                                                             | 6<br>6<br>2 | 6<br>6<br>3 | 6<br>6<br>4 | 6<br>6<br>6 | 6<br>6<br>7 | 6<br>6<br>9 | 6<br>7<br>0 | 6<br>7<br>2 | 6<br>7<br>4 | 6<br>7<br>5 | 6<br>7<br>6 | 6<br>7<br>9 |  |
| 9.1001 - GEAR ASSY., HYDRAULIC MARINE                 |         |                                                                                  |             |             |             |             |             |             |             |             |             |             |             |             |  |
| SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.      |         |                                                                                  |             |             |             |             |             |             |             |             |             |             |             |             |  |
| 1A                                                    | 5134100 | # GEAR ASSY., 2.5:1 RED., L.H. (PAGE C1)<br>AS 14-71C (5106310)                  | 1           |             |             |             |             |             |             |             |             |             |             |             |  |
| 1A                                                    | 5134073 | # GEAR ASSY., 2.5:1 RED., R.H. (PAGE C1)<br>AS 14-71CR (5106311)                 |             | 1           |             |             |             |             |             |             |             |             |             |             |  |
| 1A                                                    | 5133892 | # GEAR ASSY., 3:1 RED., L.H. (PAGE G1)<br>AS 15-72C (5106324)                    |             |             | 1           | 1           |             |             |             |             |             |             |             |             |  |
| 1A                                                    | 5133890 | # GEAR ASSY., 2.5:1 RED., L.H. (PAGE G1)<br>AS 14-72C (5106322)                  |             |             |             |             | 1           |             |             |             |             |             |             | 1           |  |
| 3A                                                    | 5134385 | * GEAR ASSY., 2:1 RED. (TWIN DISC<br>#30756) MG-506 (PAGE K1)                    |             |             |             |             |             | 1           |             |             |             |             |             |             |  |
| 3A                                                    | 5134384 | * GEAR ASSY., 1.47:1 RED. (TWIN DISC<br>#30742) MG-506 (PAGE K1)                 |             |             |             |             |             |             | 1           |             |             |             |             |             |  |
| 1A                                                    | 5133893 | # GEAR ASSY., 3:1 RED., R.H. (PAGE G1)<br>AS 15-72CR (5106325)                   |             |             |             |             |             |             |             | 1           |             |             | 1           |             |  |
| 1A                                                    | 5134074 | # GEAR ASSY., 3:1 RED., R.H. (PAGE C1)<br>AS 15-71CR (5106313)                   |             |             |             |             |             |             |             |             |             | 1           |             |             |  |
| 1A                                                    | 5133891 | # GEAR ASSY., 2.5:1 RED., R.H. (PAGE G1)<br>AS 14-72CR (5106323)                 |             |             |             |             |             |             |             |             |             |             |             | 1           |  |
|                                                       | 5170507 | DECAL, ROTATION INDICATING ARROW                                                 | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |  |
|                                                       | 186628  | BOLT, 3/8"-16X1 1/2" (12.9001)                                                   |             |             |             |             |             | 8           | 8           |             |             |             |             |             |  |
|                                                       | 179871  | BOLT, 7/16"-14X3 1/4" (12.9001)                                                  | 6           | 6           | 6           |             |             |             |             | 6           | 6           |             | 6           |             |  |
|                                                       | 179872  | BOLT, 7/16"-14X3 1/2" (12.9001)                                                  |             |             |             | 6           | 6           |             |             |             |             | 6           | 6           |             |  |
|                                                       | 103321  | LOCKWASHER, 3/8" (12.9200)                                                       |             |             |             |             |             | 20          | 20          |             |             |             |             |             |  |
|                                                       | 103322  | LOCKWASHER, 7/16" (12.9200)                                                      | 6           | 6           | 6           | 6           | 6           |             |             | 6           | 6           | 6           | 6           | 6           |  |
| * INCLUDES PROPELLER FLANGE AND REAR MOUNTS.          |         |                                                                                  |             |             |             |             |             |             |             |             |             |             |             |             |  |
| # NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES. |         |                                                                                  |             |             |             |             |             |             |             |             |             |             |             |             |  |
| 9.1006 - COUPLING, MARINE GEAR DRIVE                  |         |                                                                                  |             |             |             |             |             |             |             |             |             |             |             |             |  |
|                                                       | 5129524 | COUPLING                                                                         | 1           | 1           | 1           |             |             |             |             | 1           | 1           |             |             | 1           |  |
|                                                       | 5129638 | COUPLING                                                                         |             |             |             | 1           | 1           |             |             |             |             | 1           | 1           |             |  |
|                                                       | 9409011 | BOLT, 5/16"-18X3/4" (12.9001)                                                    | 8           | 8           | 8           | 8           | 8           |             |             | 8           | 8           | 8           | 8           | 8           |  |
| 9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL   |         |                                                                                  |             |             |             |             |             |             |             |             |             |             |             |             |  |
|                                                       | 5196739 | % GASKET KIT (INCLUDES NECESSARY GASKETS & SNAP RINGS FOR ONE COMPLETE OVERHAUL) | AR          | AR          | AR          | AR          | AR          |             |             | AR          | AR          | AR          | AR          | AR          |  |
| % NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.  |         |                                                                                  |             |             |             |             |             |             |             |             |             |             |             |             |  |
| 9.1440 - COUPLING, PROPELLER DRIVE SHAFT              |         |                                                                                  |             |             |             |             |             |             |             |             |             |             |             |             |  |
| 1B                                                    | 5108402 | COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE                                   | 1           | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           |  |
| 1B                                                    | 5108403 | COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE                                   | 1           | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           |  |

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| PART                                              |         |                                                                                                                                     | TYPES       |             |             |             |             |             |             |             |             |             |             |             |
|---------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| FIG                                               | NUMBER  | NAME AND DESCRIPTION                                                                                                                | 6<br>6<br>2 | 6<br>6<br>3 | 6<br>6<br>4 | 6<br>6<br>6 | 6<br>6<br>7 | 6<br>6<br>9 | 6<br>7<br>0 | 6<br>7<br>2 | 6<br>7<br>4 | 6<br>7<br>5 | 6<br>7<br>6 | 6<br>7<br>9 |
| 9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D) |         |                                                                                                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B                                                | 5108404 | COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE                                                                                      | 1           | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           |
| 1B                                                | 5108273 | COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE                                                                                      | 1           | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           |
| 1B                                                | 5128342 | COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE                                                                                      | 1           | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           |
| 1B                                                | 5128343 | COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE                                                                                          | 1           | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           |
| 1B                                                | 5128344 | COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE                                                                                      | 1           | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           |
| 1B                                                | 5109350 | * COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE                                                                              | 1           | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           |
| 1B                                                | 5109352 | COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE                                                                            | 1           | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           |
|                                                   | 5122430 | BOLT, 1.18"L                                                                                                                        | 4           | 4           | 4           | 4           | 4           |             |             | 4           | 4           | 4           | 4           | 4           |
|                                                   | 103322  | LOCKWASHER, 7/16" (12.9200)                                                                                                         | 4           | 4           | 4           | 4           | 4           |             |             | 4           | 4           | 4           | 4           | 4           |
|                                                   | 271506  | NUT, 7/16"-20 (12.9120)                                                                                                             | 4           | 4           | 4           | 4           | 4           |             |             | 4           | 4           | 4           | 4           | 4           |
|                                                   |         | * PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER. |             |             |             |             |             |             |             |             |             |             |             |             |
| 9.1775 - TUBE, OIL PRESSURE GAGE                  |         |                                                                                                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
| 1A                                                | 5131604 | @ HOSE, 1/2" I.D. X 15 21/32" L FLEX. (12.4065)                                                                                     | 1           | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           |
| 1A                                                | 5109271 | TUBE, 3/16" I.D. X 13 3/4" L FLEX. (12.4065)                                                                                        |             |             |             |             |             | 1           | 1           |             |             |             |             |             |
|                                                   | 1508350 | FITTING, 1/8" RESTRICTED (7.4074)                                                                                                   | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|                                                   | 119932  | BUSHING, 3/8" X 1/8" RED. PIPE (12.9570)                                                                                            | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|                                                   | 118753  | ELBOW, 1/4" TUBE - 90 DEG. (12.9480)                                                                                                | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|                                                   |         | @ UNITS THRU 3D-35664, 4D-36584, 6D-30357, INCLUDE 1-118753 ELBOW.                                                                  |             |             |             |             |             |             |             |             |             |             |             |             |

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| PART                                             |                                  | TYPES                                    |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------------------------------------------|----------------------------------|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| FIG                                              | NUMBER                           | NAME AND DESCRIPTION                     | 680 | 681 | 682 | 690 | 697 | 698 | 700 | 708 | 721 | 722 | 726 | 730 |
| 9.1001 - GEAR ASSY., HYDRAULIC MARINE            |                                  |                                          |     |     |     |     |     |     |     |     |     |     |     |     |
| SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW. |                                  |                                          |     |     |     |     |     |     |     |     |     |     |     |     |
| 1A                                               | 5134100                          | = GEAR ASSY., 2.5:1 RED., L.H. (PAGE C1) |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | AS14-71C (5106310)                       |     |     |     |     |     |     |     |     |     |     |     | 1   |
| 1A                                               | 5133891                          | = GEAR ASSY., 2.5:1 RED., R.H. (PAGE G1) |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | AS14-72CR (5106323)                      | 1   |     |     |     |     |     |     |     |     |     |     |     |
| 1A                                               | 5134073                          | = GEAR ASSY., 2.5:1 RED., R.H. (PAGE C1) |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | AS14-71CR(5106311)                       |     | 1   |     |     |     |     |     |     |     |     |     |     |
| 1A                                               | 5134101                          | = GEAR ASSY., 3:1 RED., L.H. (PAGE C1)   |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | AS15-71C (5106312)                       |     |     | 1   |     |     |     |     |     |     |     |     |     |
| 3A                                               | 5136127                          | @ GEAR ASSY., 1.93:1 RED. (TWIN DISC     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | #31144) MG-506 (PAGE J1)                 |     |     |     | 1   |     |     |     |     |     |     |     |     |
| 1A                                               | 5133893                          | = GEAR ASSY., 3:1 RED., R.H. (PAGE G1)   |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | AS15-72CR (5106325)                      |     |     |     |     | 1   |     |     |     |     |     |     |     |
| 3A                                               | 5136126                          | # GEAR ASSY., 1.47:1 RED. (TWIN DISC     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | #31143) MG-506 (PAGE J1)                 |     |     |     |     |     | 1   |     |     |     |     |     |     |
| 3A                                               | 5137157                          | @ GEAR ASSY., 1.93:1 RED. (TWIN DISC     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | #31392) MG-506 (PAGE J1)                 |     |     |     |     |     |     | 1   |     |     |     |     |     |
| 3A                                               | 5136570                          | + GEAR ASSY., 2.91:1 RED. (TWIN DISC     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | #31142) MG-506 (PAGE J1)                 |     |     |     |     |     |     |     | 1   |     |     |     |     |
| 1A                                               | 5129546                          | = GEAR ASSY., 1.5:1 RED., L.H. (PAGE F1) |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | AS12-72R (5106316)                       |     |     |     |     |     |     |     |     | 1   |     |     |     |
| 1A                                               | 5129551                          | = GEAR ASSY., 1.5:1 RED., R.H. (PAGE F1) |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | AS12-72CR (5106317)                      |     |     |     |     |     |     |     |     |     | 1   |     |     |
| 3A                                               | 5136432                          | % GEAR ASSY., 2.42:1 RED. (TWIN DISC     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | #31832) MG-506 (PAGE J1)                 |     |     |     |     |     |     |     |     |     |     | 1   |     |
|                                                  | 5170507                          | DECAL, ROTATION INDICATING ARROW         | 1   | 1   |     |     | 1   |     |     |     | 1   | 1   |     | 1   |
|                                                  | 186679                           | BOLT, 3/8"-16X1 1/4" (12.9001)           |     |     |     | 12  |     | 12  | 12  | 12  |     |     | 12  |     |
|                                                  | 186612                           | BOLT, 3/8"-16X1 3/8" (12.9001)           |     |     |     | 8   |     | 8   | 8   | 8   |     |     | 8   |     |
|                                                  | 179871                           | BOLT, 7/16"-14X3 1/4" (12.9001)          |     |     | 6   |     |     |     |     |     | 6   | 6   |     | 6   |
|                                                  | 179872                           | BOLT, 7/16"-14X3 1/2" (12.9001)          |     |     |     |     | 6   |     |     |     |     |     |     |     |
|                                                  | 103321                           | LOCKWASHER, 3/8" (12.9200)               |     |     |     | 20  |     | 20  | 20  | 20  |     |     | 20  |     |
|                                                  | 103322                           | LOCKWASHER, 7/16" (12.9200)              |     |     | 6   |     | 6   |     |     |     | 6   | 6   |     | 6   |
|                                                  |                                  | % NOT SERVICED, SUPERSEDED BY            |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | 5147538 R.H. OR 5147539 L.H.             |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | ROTATION.                                |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | # NOT SERVICED, SUPERSEDED BY            |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | 5147534 R.H. OR 5147535 L.H.             |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | ROTATION.                                |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | + NOT SERVICED, SUPERSEDED BY            |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | 5148446 R.H. OR 5148445 L.H.             |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | ROTATION.                                |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | @ NOT SERVICED, SUPERSEDED BY            |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | 5147536 R.H. OR 5147537 L.H.             |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | ROTATION.                                |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | = NOT SERVICED, USE PART NUMBER          |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  |                                  | SHOWN IN PARENTHESES.                    |     |     |     |     |     |     |     |     |     |     |     |     |
| 9.1003 - HOUSING, MARINE GEAR DRIVE              |                                  |                                          |     |     |     |     |     |     |     |     |     |     |     |     |
| 5129099                                          | HOUSING ASSY. (INCLUDES PIN)     |                                          |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                  | (9.1007)                         |                                          |     |     |     |     |     |     |     |     | 1   | 1   |     | 1   |
| 5146900                                          | PIN, 3/8"X1 1/8" DOWEL (12.9290) |                                          | 1   | 2   |     |     |     |     |     |     |     |     |     |     |

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| PART                                                   |         |                                                                                      | TYPES       |             |             |             |             |             |             |             |             |             |             |             |
|--------------------------------------------------------|---------|--------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| FIG                                                    | NUMBER  | NAME AND DESCRIPTION                                                                 | 6<br>8<br>0 | 6<br>8<br>1 | 6<br>8<br>2 | 6<br>9<br>0 | 6<br>9<br>7 | 6<br>9<br>8 | 7<br>0<br>0 | 7<br>0<br>8 | 7<br>2<br>1 | 7<br>2<br>2 | 7<br>2<br>6 | 7<br>3<br>0 |
| 9.1003 - HOUSING, MARINE GEAR DRIVE<br>(CONT'D)        |         |                                                                                      |             |             |             |             |             |             |             |             |             |             |             |             |
| 186283                                                 |         | BOLT, 3/8"-16X3 1/2" (12.9001)                                                       |             | 4           |             |             |             |             |             |             |             |             |             |             |
| 193221                                                 |         | BOLT, 7/16"-14X1 1/4" (12.9001)                                                      |             | 2           |             |             |             |             |             |             | 2           | 2           |             | 2           |
| 103321                                                 |         | LOCKWASHER, 3/8" (12.9200)                                                           |             | 4           |             |             |             |             |             |             |             |             |             |             |
| 103322                                                 |         | LOCKWASHER, 7/16" (12.9200)                                                          |             | 2           |             |             |             |             |             |             | 2           | 2           |             | 2           |
| 9.1004 - FLANGE, MARINE GEAR DRIVE                     |         |                                                                                      |             |             |             |             |             |             |             |             |             |             |             |             |
| 5126794                                                | +       | FLANGE                                                                               |             | 1           |             |             |             |             |             |             | 1           | 1           |             | 1           |
| 5119189                                                |         | CONE (1.3295)                                                                        |             | 2           |             |             |             |             |             |             | 2           | 2           |             | 2           |
| 5180291                                                |         | RETAINER (WASHER) (1.3290)                                                           |             | 1           |             |             |             |             |             |             | 1           | 1           |             | 1           |
| 271630                                                 |         | BOLT, 3/8"-16X1 1/2" (12.9001)                                                       |             | 1           |             |             |             |             |             |             | 1           | 1           |             | 1           |
|                                                        |         | + OBSOLETE.                                                                          |             |             |             |             |             |             |             |             |             |             |             |             |
| 9.1006 - COUPLING, MARINE GEAR DRIVE                   |         |                                                                                      |             |             |             |             |             |             |             |             |             |             |             |             |
| 5129524                                                |         | COUPLING                                                                             | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |
| 5129638                                                |         | COUPLING                                                                             |             |             |             |             | 1           |             |             |             | 1           | 1           |             | 1           |
| 9409011                                                |         | BOLT, 5/16"-18X3/4" (12.9001)                                                        | 8           | 8           | 8           |             | 8           |             |             |             | 8           | 8           |             | 8           |
| 9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR<br>OVERHAUL |         |                                                                                      |             |             |             |             |             |             |             |             |             |             |             |             |
| 5196739                                                |         | GASKET KIT (INCLUDES NECESSARY<br>GASKETS & SNAP RINGS FOR ONE<br>COMPLETE OVERHAUL) | AR          | AR          | AR          |             |             |             |             |             |             |             |             |             |
|                                                        |         | NOT SERVICED, FOR SERVICE USE<br>5149636 AND 5149638.                                |             |             |             |             |             |             |             |             |             |             |             |             |
| 9.1440 - COUPLING, PROPELLER DRIVE SHAFT               |         |                                                                                      |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B                                                     | 5108402 | COUPLING, 4 1/4" B.C., 1 1/8" BORE,<br>SOLID TYPE                                    | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |
| 1B                                                     | 5108403 | COUPLING, 4 1/4" B.C., 1 1/4" BORE,<br>SOLID TYPE                                    | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |
| 1B                                                     | 5108404 | COUPLING, 4 1/4" B.C., 1 3/8" BORE,<br>SOLID TYPE                                    | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |
| 1B                                                     | 5108273 | COUPLING, 4 1/4" B.C., 1 1/2" BORE,<br>SOLID TYPE                                    | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |
| 1B                                                     | 5128342 | COUPLING, 4 1/4" B.C., 1 3/4" BORE,<br>SOLID TYPE                                    | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |
| 1B                                                     | 5128343 | COUPLING, 4 1/4" B.C., 2" BORE, SOLID<br>TYPE                                        | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |
| 1B                                                     | 5128344 | COUPLING, 4 1/4" B.C., 2 1/4" BORE,<br>SOLID TYPE                                    | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |
| 1B                                                     | 5109350 | * COUPLING, 4 1/4" B.C., 1" TO 1 1/2"<br>BORE, SPLIT TYPE                            | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |

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| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION ..                                                                                              |         |                                                                     | TYPES       |             |             |             |             |             |             |             |             |             |             |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                                                                                                                                 |         |                                                                     | 6<br>8<br>0 | 6<br>8<br>1 | 6<br>8<br>2 | 6<br>9<br>0 | 6<br>9<br>7 | 6<br>9<br>8 | 7<br>0<br>0 | 7<br>0<br>8 | 7<br>2<br>1 | 7<br>2<br>2 | 7<br>2<br>6 | 7<br>3<br>0 |
| 9.1440 - COUPLING, PROPELLER DRIVE SHAFT<br>(CONT'D)                                                                                            |         |                                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B                                                                                                                                              | 5109352 | * COUPLING, 4 1/4" B.C., 1 1/2" TO 2<br>1/4" BORE, SPLIT TYPE ..... | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |
|                                                                                                                                                 | 5122430 | BOLT, 1.18"L. ....                                                  | 4           | 4           | 4           |             |             |             |             |             |             | 4           |             |             |
|                                                                                                                                                 | 103322  | LOCKWASHER, 7/16" (12.9200) .....                                   | 4           | 4           | 4           |             |             |             |             |             |             | 4           |             |             |
|                                                                                                                                                 | 271506  | NUT, 7/16"-20 (12.9120) .....                                       | 4           | 4           | 4           |             |             |             |             |             |             | 4           |             |             |
| * PARTIALLY MACHINED, MUST BE<br>BORED TO SHAFT DIAMETER AND<br>FINISH MACHINED; KEY, CLAMPING<br>BOLTS AND DRIVE PIN FURNISHED BY<br>CUSTOMER. |         |                                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
| 9.1775 - TUBE, OIL PRESSURE GAGE                                                                                                                |         |                                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
| 1A                                                                                                                                              | 5131604 | @ HOSE, 1/2" I.D.X15 21/32"L. FLEX.<br>(12.4065) .....              | 1           | 1           | 1           |             |             |             |             |             | 1           | 1           |             | 1           |
|                                                                                                                                                 | 5135177 | HOSE, 3/16" I.D.X98" L (7.4075) .....                               |             |             |             |             | 1           |             |             |             |             |             |             |             |
| 1A                                                                                                                                              | 5109271 | TUBE, 3/16" I.D.X13 3/4"L. FLEX.<br>(12.4065) .....                 |             |             |             | 1           |             | 1           | 1           | 1           |             |             | 1           |             |
|                                                                                                                                                 | 1508350 | FITTING, 1/8" RESTRICTED (7.4074) .....                             | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |             |
|                                                                                                                                                 | 119932  | BUSHING, 3/8"X1/8" RED. PIPE<br>(12.9570) .....                     | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |             |
|                                                                                                                                                 | 118748  | CONNECTOR, 1/4" FL. TUBE, 1/8" P.T.<br>(12.9380) .....              |             |             |             |             | 1           |             |             |             |             |             |             |             |
|                                                                                                                                                 | 120401  | ELBOW, 1/8" STREET 90 DEG. (12.9590) .....                          |             |             |             |             | 1           |             |             |             |             |             |             |             |
|                                                                                                                                                 | 118753  | ELBOW, 1/4" TUBE - 90 DEG. (12.9480) .....                          | 1           | 1           | 1           | 1           |             | 1           | 1           | 1           | 1           | 1           | 1           |             |
| @ UNITS THRU 3D-35664, 4D-36584,<br>6D-30357, INCLUDE 1-118753 ELBOW.                                                                           |         |                                                                     |             |             |             |             |             |             |             |             |             |             |             |             |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                                                                                    |         | TYPES                                                                       |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| .FIG                                                                                                                    | NUMBER  | NAME AND DESCRIPTION                                                        | 7<br>6<br>9 | 7<br>7<br>0 | 7<br>7<br>1 | 7<br>7<br>2 | 7<br>8<br>3 | 7<br>8<br>4 | 7<br>9<br>0 | 7<br>9<br>1 | 7<br>9<br>2 | 7<br>9<br>3 | 7<br>9<br>4 | 8<br>0<br>2 |
| 9.1001 - GEAR ASSY., HYDRAULIC MARINE                                                                                   |         |                                                                             |             |             |             |             |             |             |             |             |             |             |             |             |
| SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.                                                                              |         |                                                                             |             |             |             |             |             |             |             |             |             |             |             |             |
| 3A                                                                                                                      | 5143834 | ? *% GEAR ASSY., 2.42:1 RED. (TWIN DISC #32222) MG-506 (PAGE J1) . . . . .  | 1           |             |             |             |             |             |             |             |             |             |             |             |
| 3A                                                                                                                      | 5143835 | ? *+ GEAR ASSY., 2.90:1 RED. (TWIN DISC #32411) MG-506 (PAGE J1) . . . . .  |             | 1           |             |             |             |             |             |             |             |             |             |             |
|                                                                                                                         | 5129550 | = GEAR ASSY., DIRECT DRIVE (PAGE F1) AS11-72CR (5106315) . . . . .          |             |             | 1           |             |             |             |             |             |             |             |             |             |
|                                                                                                                         | 5129545 | = GEAR ASSY., DIRECT DRIVE (PAGE F1) AS11-72C (5106314) . . . . .           |             |             |             | 1           |             |             |             |             |             |             |             |             |
| 1B                                                                                                                      | 5144706 | GEAR ASSY., 3:1 RED., R.H. (PAGE H1) W-AS5-73C . . . . .                    |             |             |             |             | 1           |             |             |             |             |             |             |             |
| 1B                                                                                                                      | 5144705 | GEAR ASSY., 3:1 RED., L.H. (PAGE H1) W-AS5-73CR . . . . .                   |             |             |             |             |             | 1           |             |             |             |             |             |             |
| 3A                                                                                                                      | 5144971 | ? @& GEAR ASSY., 1.93:1 RED. (MG 506) (TWIN DISC #32025) (PAGEJ1) . . . . . |             |             |             |             |             |             | 1           |             |             |             |             |             |
| 3A                                                                                                                      | 5144972 | ? @% GEAR ASSY., 2.42:1 RED. (MG 506) (TWIN DISC #32027) (PAGEJ1) . . . . . |             |             |             |             |             |             |             | 1           |             |             |             |             |
| 3A                                                                                                                      | 5144973 | ? @+ GEAR ASSY., 2.90:1 RED. (MG 506) (TWIN DISC #32029) (PAGEJ1) . . . . . |             |             |             |             |             |             |             |             | 1           |             |             |             |
| 3A                                                                                                                      | 5144970 | ? @# GEAR ASSY., 1.47:1 RED. (MG 506) (TWIN DISC #32023) (PAGEK1) . . . . . |             |             |             |             |             |             |             |             |             | 1           |             |             |
| 1A                                                                                                                      | 5129546 | = GEAR ASSY., 1.5:1 RED., L.H. (PAGE F1) M-AS12-72C (5106316) . . . . .     |             |             |             |             |             |             |             |             |             |             | 1           |             |
| 1A                                                                                                                      | 5129551 | = GEAR ASSY., 1.5:1 RED., R.H. (PAGE F1) MG-506 (5106317) . . . . .         |             |             |             |             |             |             |             |             |             |             |             | 1           |
|                                                                                                                         | 5170507 | DECAL, ROTATION INDICATING ARROW . . . . .                                  |             |             | 1           | 1           | 1           | 1           |             |             |             |             | 1           | 1           |
|                                                                                                                         | 5134365 | STUD, 7/16"X3 3/4" (6.1050) . . . . .                                       |             |             | 2           | 2           |             |             |             |             |             |             |             |             |
|                                                                                                                         | 186679  | BOLT, 3/8"-16X1 1/4" (12.9001) . . . . .                                    | 12          | 12          |             |             |             |             | 12          | 12          | 12          | 12          |             |             |
|                                                                                                                         | 186612  | BOLT, 3/8"-16X1 3/8" (12.9001) . . . . .                                    | 8           | 8           |             |             |             |             | 8           | 8           | 8           | 8           |             |             |
|                                                                                                                         | 179871  | BOLT, 7/16"-14X3 1/4" (12.9001) . . . . .                                   |             |             | 6           | 6           |             |             |             |             |             |             | 6           | 6           |
|                                                                                                                         | 454938  | BOLT, 7/16"-14X3 3/4" (12.9001) . . . . .                                   |             |             |             |             | 6           | 6           |             |             |             |             |             |             |
|                                                                                                                         | 103321  | LOCKWASHER, 3/8" (12.9200) . . . . .                                        | 20          | 20          |             |             |             |             | 20          | 20          | 20          | 20          |             |             |
|                                                                                                                         | 103322  | LOCKWASHER, 7/16" (12.9200) . . . . .                                       |             |             | 6           | 6           | 6           | 6           |             |             |             |             | 6           | 6           |
|                                                                                                                         | 456939  | NUT, 7/16"-20 (12.9120) . . . . .                                           |             |             | 2           | 2           |             |             |             |             |             |             |             |             |
| * INCLUDES PROPELLER, FLANGE AND REAR MOUNTS.                                                                           |         |                                                                             |             |             |             |             |             |             |             |             |             |             |             |             |
| @ REFER TO 11.1000A TYPE 582 FOR REVERSE GEAR MOUNTING BRACKETS AND COUPLING WHICH ARE NOT PART OF GEAR ASSEMBLIES.     |         |                                                                             |             |             |             |             |             |             |             |             |             |             |             |             |
| & NOT SERVICED SUPERSEDED BY 5147536 (TWIN DISC #33875) MG 506 R.H. OR 5147537 (TWIN DISC #33872) MG 506 L.H. ROTATION. |         |                                                                             |             |             |             |             |             |             |             |             |             |             |             |             |
| % NOT SERVICED SUPERSEDED BY 5147538 (TWIN DISC #33876) MG 506 R.H. OR 5147539 (TWIN DISC #33873) MG 506 L.H. ROTATION. |         |                                                                             |             |             |             |             |             |             |             |             |             |             |             |             |
| + NOT SERVICED SUPERSEDED BY 5148446 (TWIN DISC #34208) MG 506 R.H. OR 5148445 (TWIN DISC #34209) MG 506 L.H. ROTATION. |         |                                                                             |             |             |             |             |             |             |             |             |             |             |             |             |
| = NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.                                                                   |         |                                                                             |             |             |             |             |             |             |             |             |             |             |             |             |

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| PART                                                                                                                                             |                                                                                | TYPES                                             |             |             |             |             |             |             |             |             |             |             |             |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ..FIG ..                                                                                                                                         | NUMBER .....                                                                   | NAME AND DESCRIPTION .....                        | 7<br>6<br>9 | 7<br>7<br>0 | 7<br>7<br>1 | 7<br>7<br>2 | 7<br>8<br>3 | 7<br>8<br>4 | 7<br>9<br>0 | 7<br>9<br>1 | 7<br>9<br>2 | 7<br>9<br>3 | 7<br>9<br>4 | 8<br>0<br>2 |
| 9.1001 - GEAR ASSY., HYDRAULIC MARINE (CONT'D)                                                                                                   |                                                                                |                                                   |             |             |             |             |             |             |             |             |             |             |             |             |
| # NOT SERVICED SUPERSEDED BY<br>5147534 (TWIN DISC #33874) MG<br>506 R.H. OR 5147535 (TWIN DISC<br>#33871) MG 506 L.H. ROTATION.                 |                                                                                |                                                   |             |             |             |             |             |             |             |             |             |             |             |             |
| ? PROCURE ASSY. OR COMPONENTS<br>THRU TWIN DISC INC., 1328 RACINE<br>ST., RACINE, WISC. 53403 OR<br>NEAREST OUTLET. FURNISH TWIN<br>DISC NUMBER. |                                                                                |                                                   |             |             |             |             |             |             |             |             |             |             |             |             |
| 9.1003 - HOUSING, MARINE GEAR DRIVE                                                                                                              |                                                                                |                                                   |             |             |             |             |             |             |             |             |             |             |             |             |
| 5129099                                                                                                                                          | ADAPTOR ASSY. (INCLUDES PIN)<br>(9.1007)                                       |                                                   |             |             | 1           | 1           |             |             |             |             |             |             |             |             |
| 5146900                                                                                                                                          | PIN, 3/8"X1 1/8" DOWEL (12.9290)                                               |                                                   |             |             | 2           | 2           |             |             |             |             |             |             |             |             |
| 186283                                                                                                                                           | BOLT, 3/8"-16X3 1/2" (12.9001)                                                 |                                                   |             |             | 4           | 4           |             |             |             |             |             |             |             |             |
| 193221                                                                                                                                           | BOLT, 7/16"-14X1 1/4" (12.9001)                                                |                                                   |             |             | 2           | 2           |             |             |             |             |             |             |             |             |
| 103322                                                                                                                                           | LOCKWASHER, 7/16" (12.9200)                                                    |                                                   |             |             | 2           | 2           |             |             |             |             |             |             |             |             |
| 9.1004 - FLANGE, MARINE GEAR DRIVE                                                                                                               |                                                                                |                                                   |             |             |             |             |             |             |             |             |             |             |             |             |
| 5126794                                                                                                                                          | + FLANGE (9.1430)                                                              |                                                   |             |             | 1           | 1           |             |             |             |             |             |             |             |             |
| 5119189                                                                                                                                          | CONE (1.3295)                                                                  |                                                   |             |             | 2           | 2           |             |             |             |             |             |             |             |             |
| 5180291                                                                                                                                          | RETAINER (WASHER) (1.3290)                                                     |                                                   |             |             | 1           | 1           |             |             |             |             |             |             |             |             |
| 271630                                                                                                                                           | BOLT, 3/4"-16X1 1/2" (12.9001)<br>+ OBSOLETE.                                  |                                                   |             |             | 1           | 1           |             |             |             |             |             |             |             |             |
| 9.1006 - COUPLING, MARINE GEAR DRIVE                                                                                                             |                                                                                |                                                   |             |             |             |             |             |             |             |             |             |             |             |             |
| 5129638                                                                                                                                          | COUPLING                                                                       |                                                   |             |             | 1           | 1           | 1           | 1           |             |             |             |             |             |             |
| 5129624                                                                                                                                          | COUPLING                                                                       |                                                   |             |             |             |             |             |             |             |             |             |             | 1           | 1           |
| 9409011                                                                                                                                          | BOLT, 5/16"-18X3/4" (12.9117)                                                  |                                                   |             |             | 8           | 8           | 8           | 8           |             |             |             |             | 8           | 8           |
| 9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL                                                                                              |                                                                                |                                                   |             |             |             |             |             |             |             |             |             |             |             |             |
| 5196739                                                                                                                                          | % GASKET KIT (MODEL 71.72)                                                     |                                                   |             |             | AR          | AR          |             |             |             |             |             |             | AR          | AR          |
| 5149036                                                                                                                                          | GASKET KIT (MODEL 73)<br>NOT SERVICED, FOR SERVICE USE<br>5149636 AND 5149638. |                                                   |             |             |             |             | AR          | AR          |             |             |             |             |             |             |
| 9.1440 - COUPLING, PROPELLER DRIVE SHAFT                                                                                                         |                                                                                |                                                   |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B                                                                                                                                               | 5108402                                                                        | COUPLING, 4 1/4" B.C., 1 1/8" BORE,<br>SOLID TYPE |             |             |             | 1           | 1           | 1           | 1           |             |             |             | 1           | 1           |
| 1B                                                                                                                                               | 5108403                                                                        | COUPLING, 4 1/4" B.C., 1 1/4" BORE,<br>SOLID TYPE |             |             |             | 1           | 1           | 1           | 1           |             |             |             | 1           | 1           |
| 1B                                                                                                                                               | 5108404                                                                        | COUPLING, 4 1/4" B.C., 1 3/8" BORE,<br>SOLID TYPE |             |             |             | 1           | 1           | 1           | 1           |             |             |             | 1           | 1           |

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| PART |         |                                                                                                                                      | TYPES       |             |             |             |             |             |             |             |             |             |             |             |
|------|---------|--------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| FIG  | NUMBER  | NAME AND DESCRIPTION                                                                                                                 | 7<br>8<br>9 | 7<br>7<br>0 | 7<br>7<br>1 | 7<br>7<br>2 | 7<br>8<br>3 | 7<br>8<br>4 | 7<br>9<br>0 | 7<br>9<br>1 | 7<br>9<br>2 | 7<br>9<br>3 | 7<br>9<br>4 | 8<br>0<br>2 |
|      |         | 9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)                                                                                    |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B   | 5108273 | COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE                                                                                       |             |             | 1           | 1           | 1           | 1           |             |             |             |             | 1           | 1           |
| 1B   | 5128342 | COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE                                                                                       |             |             | 1           | 1           | 1           | 1           |             |             |             |             | 1           | 1           |
| 1B   | 5128343 | COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE                                                                                           |             |             | 1           | 1           | 1           | 1           |             |             |             |             | 1           | 1           |
| 1B   | 5128344 | COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE                                                                                       |             |             | 1           | 1           | 1           | 1           |             |             |             |             | 1           | 1           |
| 1B   | 5109350 | * COUPLING, 4 1/4" B.C., 1" TO 1 1/2" ROUGH BORE, SPLIT TYPE                                                                         |             |             | 1           | 1           | 1           | 1           |             |             |             |             | 1           | 1           |
| 1B   | 5109352 | * COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE                                                                           |             |             | 1           | 1           | 1           | 1           |             |             |             |             | 1           | 1           |
|      | 5122430 | BOLT, 7/16"-20X1 1/8" (9.1430)                                                                                                       |             |             | 4           | 4           | 4           | 4           |             |             |             |             | 4           | 4           |
|      | 103322  | LOCKWASHER, 7/16" (12.9200)                                                                                                          |             |             | 4           | 4           | 4           | 4           |             |             |             |             | 4           | 4           |
|      | 271506  | NUT, 7/16"-20 (12.9120)                                                                                                              |             |             | 4           | 4           | 4           | 4           |             |             |             |             | 4           | 4           |
|      |         | * PARTIALLY MACHINED; MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS, AND DRIVE PIN FURNISHED BY CUSTOMER. |             |             |             |             |             |             |             |             |             |             |             |             |
|      |         | 9.1775 - TUBE, OIL PRESSURE GAGE                                                                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
|      | 5109271 | TUBE, 3/16" I.D.X13 3/4" L., FLEX. (12.4065)                                                                                         | 1           | 1           |             |             |             |             | 1           | 1           | 1           | 1           |             |             |
|      | 5135177 | HOSE, 3/16" I.D.X98" L. (7.4075)                                                                                                     |             |             |             |             | 1           | 1           |             |             |             |             |             |             |
|      | 5131604 | HOSE, 1/2" I.D.X15 21/32" L. (12.4065)                                                                                               |             |             | 1           | 1           |             |             |             |             |             |             |             |             |
|      | 5144634 | HOSE ASSY., #4X15 3/4" L. (TEFLON) (4.4340)                                                                                          |             |             |             |             |             |             |             |             |             |             | 1           | 1           |
|      | 1508350 | FITTING, 1/8" RESTRICTED (7.4074)                                                                                                    | 1           | 1           | 1           | 1           | 1           |             | 1           | 1           | 1           | 1           | 1           | 1           |
|      | 119932  | BUSHING, 3/8" X1/8" RED. PIPE (12.9570)                                                                                              | 1           | 1           | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           | 1           |
|      | 120401  | ELBOW, 1/8" STREET 90 DEG. (12.9590)                                                                                                 | 1           | 1           |             |             | 1           | 1           | 1           | 1           | 1           | 1           |             |             |
|      | 9409931 | ELBOW, 1/8"-27 STREET 90 DEG. (12.9590)                                                                                              |             |             |             |             |             |             |             |             |             |             | 1           | 1           |
|      | 118753  | ELBOW, 1/4" TUBE 90 DEG. (12.9480)                                                                                                   | 1           | 1           | 1           | 1           | 1           | 1           |             |             |             |             |             |             |
|      | 443762  | EXTENSION TUBE (12.9540)                                                                                                             |             |             |             |             |             | 1           |             |             |             |             |             |             |



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| PART                                                   |         |                                                                                                                                             | TYPES       |             |             |             |             |             |             |             |             |             |             |
|--------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| FIG                                                    | NUMBER  | NAME AND DESCRIPTION                                                                                                                        | 8<br>3<br>6 | 8<br>3<br>7 | 8<br>3<br>8 | 8<br>3<br>9 | 8<br>4<br>0 | 8<br>4<br>1 | 8<br>4<br>4 | 8<br>4<br>5 | 8<br>4<br>6 | 8<br>4<br>7 | 8<br>4<br>8 |
| 9.1001 - GEAR ASSY., HYDRAULIC MARINE                  |         |                                                                                                                                             |             |             |             |             |             |             |             |             |             |             |             |
| SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.             |         |                                                                                                                                             |             |             |             |             |             |             |             |             |             |             |             |
| 3A                                                     | 5147536 | ? GEAR ASSY., 1.97:1 RED. (MG 506)<br>(TWIN DISC #33875) (R.H.ROTATION) .....                                                               | 1           |             |             |             |             |             |             |             |             |             |             |
| 3A                                                     | 5147534 | ? GEAR ASSY., 1.50:1 RED. (MG 506)<br>(TWIN DISC #33874) (R.H.ROTATION) .....                                                               |             | 1           |             |             |             |             |             |             |             |             |             |
| 3A                                                     | 5147537 | ? GEAR ASSY., 1.97:1 RED. (MG 506)<br>(TWIN DISC #33872) (L.H.ROTATION) .....                                                               |             |             | 1           |             |             |             |             |             |             |             |             |
| 3A                                                     | 5147538 | ? GEAR ASSY., 2.50:1 RED. (MG 506)<br>(TWIN DISC #33876) (R.H.ROTATION) .....                                                               |             |             |             | 1           |             |             |             |             |             |             |             |
| 3A                                                     | 5147535 | ? GEAR ASSY., 1.50:1 RED. (MG 506)<br>(TWIN DISC #33871) (L.H.ROTATION) .....                                                               |             |             |             |             | 1           |             |             |             |             |             |             |
| 3A                                                     | 5147539 | ? GEAR ASSY., 2.50:1 RED. (MG 506)<br>(TWIN DISC #33873) (L.H.ROTATION) .....                                                               |             |             |             |             |             | 1           |             |             |             |             |             |
| 1B                                                     | 5148453 | GEAR ASSY., DIRECT DRIVE, C.W. (PAGE<br>H1) WARNER AS1-73C .....                                                                            |             |             |             |             |             |             | 1           |             |             |             |             |
| 1B                                                     | 5148427 | GEAR ASSY., 1.5:1 RED. (PAGE H1)<br>W-AS2-73C (R.H. ROTATION) .....                                                                         |             |             |             |             |             |             |             | 1           |             |             |             |
| 1B                                                     | 5141129 | GEAR ASSY., 2:1 RED. (W-AS7-73C)<br>ROTATION CHANGES) (PAGE H1) .....                                                                       |             |             |             |             |             |             |             |             | 1           |             |             |
| 1B                                                     | 5144706 | GEAR ASSY., 3:1 RED. (PAGE H1)<br>W-AS5-73C R.H. ROTATION .....                                                                             |             |             |             |             |             |             |             |             |             | 1           |             |
| 1B                                                     | 5148454 | GEAR ASSY., DIRECT DRIVE L.H.<br>ROTATION W-AS1-73CR (PAGE H1) .....                                                                        |             |             |             |             |             |             |             |             |             |             | 1           |
|                                                        | 5170507 | DECAL, ROTATION INDICATING ARROW .....                                                                                                      |             |             |             |             |             |             | 1           | 1           | 1           | 1           | 1           |
|                                                        | 186679  | BOLT, 3/8"-16X1 1/4" (12.9001) .....                                                                                                        | 12          | 12          | 12          | 12          | 12          | 12          |             |             |             |             |             |
|                                                        | 186612  | BOLT, 3/8"-16X1 3/8" (12.9001) .....                                                                                                        | 8           | 8           | 8           | 8           | 8           | 8           |             |             |             |             |             |
|                                                        | 454939  | BOLT, 7/16"-14X4" (12.9001) .....                                                                                                           |             |             |             |             |             |             | 6           | 6           | 6           | 6           | 6           |
|                                                        | 103321  | LOCKWASHER, 3/8" (12.9200) .....                                                                                                            | 20          | 20          | 20          | 20          | 20          | 20          |             |             |             |             |             |
|                                                        | 103322  | LOCKWASHER, 7/16" (12.9200) .....                                                                                                           |             |             |             |             |             |             | 6           | 6           | 6           | 6           | 6           |
|                                                        |         | ? PROCURE ASSY. OR COMPONENTS<br>THRU TWIN DISC INC. 1328 RACINE<br>ST., RACINE, WISC. 53403 OR<br>NEAREST OUTLET. FURNISH TWIN<br>DISC NO. |             |             |             |             |             |             |             |             |             |             |             |
| 9.1006 - COUPLING, MARINE GEAR DRIVE                   |         |                                                                                                                                             |             |             |             |             |             |             |             |             |             |             |             |
|                                                        | 5129638 | COUPLING .....                                                                                                                              |             |             |             |             |             |             | 1           | 1           | 1           | 1           | 1           |
|                                                        | 9409011 | BOLT, 5/16"-18X3/4" (12.9117) .....                                                                                                         |             |             |             |             |             |             | 8           | 8           | 8           | 8           | 8           |
| 9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR<br>OVERHAUL |         |                                                                                                                                             |             |             |             |             |             |             |             |             |             |             |             |
|                                                        | 5149036 | GASKET KIT (MODEL 73) .....                                                                                                                 |             |             |             |             |             |             | AR          | AR          | AR          | AR          | AR          |
| 9.1440 - COUPLING, PROPELLER DRIVE SHAFT               |         |                                                                                                                                             |             |             |             |             |             |             |             |             |             |             |             |
| 1B                                                     | 5141240 | COUPLING, 4 3/4" B.C., 1 3/4" BORE,<br>SOLID TYPE .....                                                                                     |             |             |             |             |             |             | 1           | 1           | 1           | 1           | 1           |
| 1B                                                     | 5141306 | COUPLING, 4 3/4" B.C., 2 1/4" BORE,<br>SOLID TYPE .....                                                                                     |             |             |             |             |             |             | 1           | 1           | 1           | 1           | 1           |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                              |         |                                                                                                                                      | TYPES |     |     |     |     |     |     |     |     |     |     |
|---------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| FIG                                               | NUMBER  | NAME AND DESCRIPTION                                                                                                                 | 836   | 837 | 838 | 839 | 840 | 841 | 844 | 845 | 846 | 847 | 848 |
| 9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D) |         |                                                                                                                                      |       |     |     |     |     |     |     |     |     |     |     |
| 1B                                                | 5148513 | * COUPLING, 4 3/4" B.C., 1 1/2" TO 2 1/4" ROUGH BORE, SPLIT TYPE                                                                     |       |     |     |     |     |     | 1   | 1   | 1   | 1   | 1   |
|                                                   | 443615  | BOLT, 1/2"-20X2" (12.9001)                                                                                                           |       |     |     |     |     |     | 6   | 6   | 6   | 6   | 6   |
|                                                   | 103323  | LOCKWASHER, 1/2" (12.9200)                                                                                                           |       |     |     |     |     |     | 6   | 6   | 6   | 6   | 6   |
|                                                   | 103028  | NUT, 1/2"-20 (12.9120)                                                                                                               |       |     |     |     |     |     | 6   | 6   | 6   | 6   | 6   |
|                                                   |         | * PARTIALLY MACHINED; MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS, AND DRIVE PIN FURNISHED BY CUSTOMER. |       |     |     |     |     |     |     |     |     |     |     |
| 9.1775 - TUBE, OIL PRESSURE GAGE                  |         |                                                                                                                                      |       |     |     |     |     |     |     |     |     |     |     |
|                                                   | 5109271 | TUBE, 3/16" I.D.X13 3/4" L., FLEX. (12.4065)                                                                                         | 1     | 1   | 1   | 1   | 1   | 1   |     |     |     |     |     |
|                                                   | 5131604 | HOSE, FLEX. 1/2 I.D.X16 21/32 L. (12.4065)                                                                                           |       |     |     |     |     |     | 1   | 1   | 1   | 1   | 1   |
|                                                   | 1508350 | FITTING, 1/8" RESTRICTED (7.4074)                                                                                                    | 1     | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
|                                                   | 119932  | BUSHING, 3/8"X1/8" RED. PIPE (12.9570)                                                                                               | 1     | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
|                                                   | 120401  | ELBOW, 1/8" STREET 90 DEG. (12.9590)                                                                                                 | 1     | 1   | 1   | 1   | 1   | 1   |     |     |     |     |     |
|                                                   | 118753  | ELBOW, 1/4" TUBE 90 DEG. (12.9480)                                                                                                   |       |     |     |     |     |     | 1   | 1   | 1   | 1   | 1   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART     |           |                                                     | TYPES       |             |             |             |             |             |             |             |             |             |             |             |             |             |
|----------|-----------|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ..FIG .. | NUMBER .. | NAME AND DESCRIPTION ..                             | 8<br>4<br>9 | 8<br>5<br>0 | 8<br>5<br>1 | 9<br>2<br>6 | 9<br>5<br>0 | 9<br>5<br>1 | 9<br>5<br>2 | 9<br>5<br>3 | 9<br>5<br>4 | 9<br>5<br>5 | 9<br>5<br>6 | 9<br>5<br>7 | 9<br>5<br>8 | 9<br>5<br>9 |
|          |           | 9.1001 - GEAR ASSY., HYDRAULIC MARINE               |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | SEE ASSEMBLY BREAKDOWN AS INDICATED.                |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B       | 5148428   | GEAR ASSY., 1.5:1 (PAGE H1) L.H.                    |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | ROTATION (W-AS2-73CR) .....                         | 1           |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B       | 5141130   | GEAR ASSY., 2:1 RED., C.W.-CHANGES                  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | ROTATION) (PAGE H1)W-AS7-73CR .....                 |             | 1           |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B       | 5144705   | GEAR ASSY., 3:1 RED. (PAGE H1)                      |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | W-AS5-73CR .....                                    |             |             | 1           |             |             |             |             |             |             |             |             |             |             |             |
|          | NPN       | GEAR ASSY. (CUSTOMER FURNISHED) .....               |             |             |             | 1           |             |             |             |             |             |             |             |             |             |             |
|          | 5106304   | GEAR ASSY. (DIRECT DRIVE) (PAGE A1) .....           |             |             |             |             | 1           |             |             |             |             |             |             |             |             |             |
|          | 5106305   | GEAR ASSY. (DIRECT DRIVE) (PAGE A1) .....           |             |             |             |             |             | 1           |             |             |             |             |             |             |             |             |
| 1A       | 5106306   | GEAR ASSY., 1.5:1 RED. (PAGE A1) .....              |             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |
| 1A       | 5106307   | GEAR ASSY., 1.5:1 RED. (PAGE A1) .....              |             |             |             |             |             |             |             | 1           |             |             |             |             |             |             |
| 1A       | 5106308   | GEAR ASSY., 2.1:1 RED. (PAGE B1) .....              |             |             |             |             |             |             |             |             | 1           |             |             |             |             |             |
| 1A       | 5106309   | GEAR ASSY., 2.1:1 RED. (PAGE B1) .....              |             |             |             |             |             |             |             |             |             | 1           |             |             |             |             |
| 1A       | 5106310   | GEAR ASSY., 2.6:1 RED. (PAGE B1) .....              |             |             |             |             |             |             |             |             |             |             | 1           |             |             |             |
| 1A       | 5106311   | GEAR ASSY., 2.6:1 RED. (PAGE B1) .....              |             |             |             |             |             |             |             |             |             |             |             | 1           |             |             |
| 1A       | 5106312   | GEAR ASSY., 2.9:1 RED. (PAGE K1) .....              |             |             |             |             |             |             |             |             |             |             |             |             | 1           |             |
| 1A       | 5106316   | GEAR ASSY., 1.5:1 RED. (PAGE K1) .....              |             |             |             |             |             |             |             |             |             |             |             |             |             | 1           |
|          | 5134365   | STUD, 7/16" X 3 3/4" (6.1020) .....                 |             |             |             |             | 2           | 2           |             |             |             |             |             |             |             |             |
|          | 5170507   | DECAL, ROTATION INDICATING ARROW .....              | 1           | 1           | 1           |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|          | 179871    | BOLT, 7/16"-14 X 3 1/4" (12.9001) .....             |             |             |             |             | 4           | 4           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           |
|          | 454939    | BOLT, 7/16"-14X4" (12.9001) .....                   | 6           | 6           | 6           |             |             |             |             |             |             |             |             |             |             |             |
|          | 103322    | LOCKWASHER, 7/16" (12.9200) .....                   | 6           | 6           | 6           |             | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           |
|          | 456939    | NUT, 7/16"-20 (12.9120) .....                       |             |             |             |             | 2           | 2           |             |             |             |             |             |             |             |             |
|          |           | 9.1006 - COUPLING, MARINE GEAR DRIVE                |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          | 5129638   | COUPLING .....                                      | 1           | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |             |
|          | 5129524   | COUPLING .....                                      |             |             |             |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |             |
|          | 9409011   | BOLT, 5/16"-18 X 3/4" (12.9117) .....               | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           |
|          |           | 9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          | 5149036   | GASKET KIT (MODEL 73) .....                         | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |             |             |
|          |           | 9.1430 - FLANGE, PROPELLER DRIVE                    |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          | 5196745   | FLANGE .....                                        |             |             |             |             | 1           | 1           |             |             |             |             | 1           |             | 1           |             |
|          |           | 9.1440 - COUPLING, PROPELLER DRIVE SHAFT            |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B       | 5141240   | COUPLING, 4 3/4" B.C., 1 3/4" BORE,                 |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | SOLID TYPE .....                                    | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |             |             |
| 1B       | 5141306   | COUPLING, 4 3/4" B.C., 2 1/4" BORE,                 |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | SOLID TYPE .....                                    | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |             |             |
| 1B       | 5148513   | * COUPLING, 4 3/4" B.C., 1 1/2" TO 2                |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | 1/4" ROUGH BORE, SPLIT TYPE .....                   | 1           | 1           | 1           |             |             |             |             |             |             |             |             |             |             |             |
| 1B       | 5107335   | COUPLING, 4 1/4" B.C., 1" SOLID TYPE .....          |             |             |             |             |             |             | 1           | 1           | 1           | 1           |             |             |             |             |
| 1B       | 5109350   | COUPLING, 4 1/4" B.C., 1" TO 1 1/2"                 |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | BORE, SPLIT TYPE .....                              |             |             |             |             |             |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           |             |
| 1B       | 5128342   | COUPLING, 4 1/4" B.C., 1 3/4" BORE,                 |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | SOLID TYPE .....                                    |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B       | 5128343   | COUPLING, 4 1/4" B.C., 2" BORE, SOLID               |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | TYPE .....                                          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B       | 5108402   | COUPLING, 4 1/4" B.C., 1 1/8" BORE,                 |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|          |           | SOLID TYPE .....                                    |             |             |             |             |             |             |             |             |             |             |             |             |             |             |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                                                                                                 |         |                                                          | TYPES       |             |             |             |             |             |             |             |             |             |             |             |             |             |
|--------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| FIG                                                                                                                                  | NUMBER  | NAME AND DESCRIPTION                                     | 8<br>4<br>9 | 8<br>5<br>0 | 8<br>5<br>1 | 9<br>2<br>6 | 9<br>5<br>0 | 9<br>5<br>1 | 9<br>5<br>2 | 9<br>5<br>3 | 9<br>5<br>4 | 9<br>5<br>5 | 9<br>5<br>6 | 9<br>5<br>7 | 9<br>5<br>8 | 9<br>5<br>9 |
| 9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)                                                                                    |         |                                                          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1B                                                                                                                                   | 5109351 | COUPLING, 3.25" B.C., 1" TO 1.50" BORE, SPLIT TYPE       |             |             |             |             | 1           | 1           |             |             |             |             |             |             |             |             |
| 1B                                                                                                                                   | 5109352 | COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE |             |             |             | 1           |             | 1           |             |             |             |             | 1           | 1           | 1           | 1           |
| 1B                                                                                                                                   | 5122654 | COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE               |             |             |             |             | 1           | 1           |             |             |             |             |             |             |             |             |
| 1B                                                                                                                                   | 5122656 | COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE           |             |             |             |             | 1           | 1           |             |             |             |             |             |             |             |             |
| 1B                                                                                                                                   | 5122657 | COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE           |             |             |             |             | 1           | 1           |             |             |             |             |             |             |             |             |
| 1B                                                                                                                                   | 5123209 | COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE           |             |             |             |             | 1           | 1           |             |             |             |             |             |             |             |             |
| 1B                                                                                                                                   | 5108273 | COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE           |             |             |             |             |             |             |             |             |             |             | 1           | 1           |             | 1           |
| 1B                                                                                                                                   | 5108403 | COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE           |             |             |             |             |             |             | 1           | 1           | 1           | 1           |             |             |             |             |
| 1B                                                                                                                                   | 5108404 | COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE           |             |             |             |             |             |             | 1           | 1           | 1           | 1           | 1           | 1           |             | 1           |
|                                                                                                                                      | 5145092 | BOLT, 3/8"-24X1.20" (12.5015)                            |             |             |             |             | 4           | 4           |             |             |             |             |             |             |             |             |
|                                                                                                                                      | 5122430 | BOLT, 7/16"-20 X 1 1/8" (9.1430)                         | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           |
|                                                                                                                                      | 443615  | BOLT, 1/2"-20X2" (12.9001)                               | 6           | 6           | 6           |             |             |             |             |             |             |             |             |             |             |             |
|                                                                                                                                      | 103322  | LOCKWASHER, 7/16" (12.9200)                              | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           |
|                                                                                                                                      | 103323  | LOCKWASHER, 1/2" (12.9200)                               | 6           | 6           | 6           |             |             |             |             |             |             |             |             |             |             |             |
|                                                                                                                                      | 103026  | NUT, 3/8"-24 (12.9120)                                   |             |             |             |             | 4           | 4           |             |             |             |             |             |             |             |             |
|                                                                                                                                      | 271506  | NUT, 7/16"-20 (12.9120)                                  | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           |
|                                                                                                                                      | 103028  | NUT, 1/2"-20 (12.9120)                                   | 6           | 6           | 6           |             |             |             |             |             |             |             |             |             |             |             |
| * PARTIALLY MACHINED; MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS, AND DRIVE PIN FURNISHED BY CUSTOMER. |         |                                                          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 9.1775 - TUBE, OIL PRESSURE GAGE                                                                                                     |         |                                                          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|                                                                                                                                      | 5131604 | HOSE, 1/2" I.D.X15 21/32" L. (12.4065)                   | 1           | 1           | 1           |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|                                                                                                                                      | 1508350 | FITTING, 1/8" RESTRICTED (7.4074)                        | 1           | 1           | 1           |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|                                                                                                                                      | 119932  | BUSHING, 3/8" X 1/8" RED. PIPE (12.9570)                 | 1           | 1           | 1           |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|                                                                                                                                      | 118753  | ELBOW, 1/4" TUBE 90 DEG. (12.9480)                       | 1           | 1           | 1           |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION .. |         |                                                                   | TYPES       |             |             |             |             |             |             |             |             |             |
|----------------------------------------------------|---------|-------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                                    |         |                                                                   | 9<br>6<br>0 | 9<br>6<br>1 | 9<br>6<br>2 | 9<br>6<br>3 | 9<br>6<br>4 | 9<br>6<br>5 | 9<br>6<br>6 | 9<br>6<br>7 | 9<br>7<br>3 | 9<br>8<br>0 |
| <b>9.1001 - GEAR ASSY., HYDRAULIC MARINE</b>       |         |                                                                   |             |             |             |             |             |             |             |             |             |             |
| 1A                                                 | 5106316 | GEAR ASSY., 1.5:1 RED. (PAGE K1) .....                            | 1           |             |             |             |             |             |             |             |             |             |
| 1A                                                 | 5106317 | GEAR ASSY., 1.5:1 RED. (PAGE K1) .....                            |             | 1           | 1           |             |             |             |             |             |             |             |
| 1A                                                 | 5106320 | GEAR ASSY., 2.1:1 RED. (PAGE K1) .....                            |             |             |             | 1           |             |             |             |             |             |             |
| 1A                                                 | 5106321 | GEAR ASSY., 2.1:1 RED. (PAGE K1) .....                            |             |             |             |             | 1           |             |             |             |             |             |
| 1A                                                 | 5106322 | GEAR ASSY., 2.6:1 RED. (PAGE K1) .....                            |             |             |             |             |             | 1           |             |             |             |             |
| 1A                                                 | 5106324 | GEAR ASSY., 2.9:1 RED. (PAGE K1) .....                            |             |             |             |             |             |             | 1           |             |             |             |
| 1A                                                 | 5106325 | GEAR ASSY., 2.9:1 RED. (PAGE C1) .....                            |             |             |             |             |             |             |             | 1           |             |             |
| 1A                                                 | 5106323 | GEAR ASSY., 2.6:1 RED. (PAGE K1) .....                            |             |             |             |             |             |             |             |             | 1           |             |
| 1A                                                 | 5106313 | GEAR ASSY., 2.9:1 RED. (PAGE K1) .....                            |             |             |             |             |             |             |             |             |             | 1           |
|                                                    | 5170507 | DECAL .....                                                       | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|                                                    | 179871  | BOLT, 7/16"-14 X 3 1/4" (12.9001) .....                           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           |
|                                                    | 103322  | LOCKWASHER, 7/16" (12.9200) .....                                 | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           |
| <b>9.1006 - COUPLING, MARINE GEAR DRIVE</b>        |         |                                                                   |             |             |             |             |             |             |             |             |             |             |
|                                                    | 5129524 | COUPLING .....                                                    | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|                                                    | 9409011 | BOLT, 5/16"-18 X 3/4" (12.9001) .....                             | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           |
| <b>9.1430 - FLANGE, PROPELLER DRIVE</b>            |         |                                                                   |             |             |             |             |             |             |             |             |             |             |
|                                                    | 5196745 | FLANGE .....                                                      |             |             |             | 1           | 1           |             |             |             |             |             |
| <b>9.1440 - COUPLING PROPELLER DRIVE SHAFT</b>     |         |                                                                   |             |             |             |             |             |             |             |             |             |             |
| 1B                                                 | 5109352 | COUPLING, 4 1/4" B.C., 1 1/2" TO 2<br>1/4" BORE, SPLIT TYPE ..... |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           |             | 1           |
| 1B                                                 | 5108273 | COUPLING, 4 1/4" B.C., 1 1/2" BORE,<br>SOLID TYPE .....           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |             |             |
| 1B                                                 | 5108402 | COUPLING, 4 1/4" B.C., 1 1/8" BORE,<br>SOLID TYPE .....           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |             | 1           |
| 1B                                                 | 5108404 | COUPLING, 4 1/4" B.C., 1 3/8" BORE,<br>SOLID TYPE .....           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |             |             |
| 1B                                                 | 5109350 | COUPLING, 4 1/4" B.C., 1" TO 1 1/2"<br>BORE, SPLIT TYPE .....     |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           |             |             |
| 1B                                                 | 5128342 | COUPLING, 4 1/4" B.C., 1 3/4" BORE,<br>SOLID TYPE .....           |             |             |             | 1           |             |             |             |             |             |             |
| 1B                                                 | 5128343 | COUPLING, 4 1/4" B.C., 2" BORE, SOLID<br>TYPE .....               |             |             |             | 1           |             | 1           | 1           |             |             |             |
| 1B                                                 | 5122654 | COUPLING, 3 1/4" B.C., 1" BORE, SOLID<br>TYPE .....               |             |             |             |             |             |             |             |             |             | 1           |
| 1B                                                 | 5122656 | COUPLING, 3 1/4" B.C., 1 1/4" BORE,<br>SOLID TYPE .....           |             |             |             |             |             |             |             |             |             | 1           |
| 1B                                                 | 5122657 | COUPLING, 3 1/4" B.C., 1 3/8" BORE,<br>SOLID TYPE .....           |             |             |             |             |             |             |             |             |             | 1           |
|                                                    | 5145092 | BOLT, 3/8"-24X1.20" (12.5015) .....                               |             |             |             |             |             |             |             |             |             | 4           |
|                                                    | 5122430 | BOLT, 7/16"-20 X 1 1/8" (9.1430) .....                            | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           |             | 4           |
|                                                    | 103322  | LOCKWASHER, 7/16" (12.9200) .....                                 | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           |             | 4           |
|                                                    | 103026  | NUT, 3/8"-24 (12.9120) .....                                      |             |             |             |             |             |             |             |             |             | 4           |
|                                                    | 271506  | NUT, 7/16"-20 (12.9120) .....                                     | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 4           |             | 4           |
| <b>9.1775 - TUBE, OIL PRESSURE GAGE</b>            |         |                                                                   |             |             |             |             |             |             |             |             |             |             |
|                                                    | 5144634 | HOSE ASSY., #4X15 3/4" (4.4340) .....                             | 1           |             | 1           |             |             |             |             |             |             |             |
|                                                    | 5131604 | HOSE ASSY., 1/2" I.D.X15 21/32" L.<br>(12.4065) .....             |             | 1           |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           |

## 9.1000A HYDRAULIC MARINE GEAR

| FIG | PART<br>NUMBER | NAME AND DESCRIPTION                        | TYPES       |             |             |             |             |             |             |             |             |             |
|-----|----------------|---------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|     |                |                                             | 9<br>6<br>0 | 9<br>6<br>1 | 9<br>6<br>2 | 9<br>6<br>3 | 9<br>6<br>4 | 9<br>6<br>5 | 9<br>6<br>6 | 9<br>6<br>7 | 9<br>7<br>3 | 9<br>8<br>0 |
|     | 9.1775         | TUBE, OIL PRESSURE GAGE<br>(CONT'D)         |             |             |             |             |             |             |             |             |             |             |
|     | 1508350        | FITTING, 1/8" RESTRICTED (7.4074)           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|     | 119932         | BUSHING, 3/8" X 1/8" RED. PIPE<br>(12.9570) | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|     | 9409931        | ELBOW, 90 DEG.-1/8" STREET (12.9590)        | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
|     | 118753         | ELBOW, 1/4" TUBE 90 DEG. (12.9480)          |             | 1           |             | 1           | 1           | 1           | 1           | 1           | 1           | 1           |

## 9.1000A HYDRAULIC MARINE GEAR

| PART |        | TYPES                |                  |                  |                  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| FIG  | NUMBER | NAME AND DESCRIPTION | 1<br>0<br>5<br>0 | 1<br>0<br>5<br>1 | 1<br>0<br>5<br>2 | 1<br>0<br>5<br>3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                                                                                                                                                                            |         |                                       | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                                                                                                                                                                             | NUMBER  | NAME AND DESCRIPTION                  | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1001 - GEAR ASSY., HYDRAULIC MARINE                                                                                                                                                                           |         |                                       |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                                                                                                                                                                 | 5122586 | * GEAR ASSY. (DIRECT DRIVE, L.H.)     | 1      |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                                                                                                                                                                 | 5122587 | * GEAR ASSY. (DIRECT DRIVE, R.H.)     |        | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 1A                                                                                                                                                                                                              | 5122588 | * GEAR ASSY. (1.5:1 RED., L.H.)       |        |   | 1 |   |   |   |   |   |   |   |   |   |   |   |
| 1A                                                                                                                                                                                                              | 5122589 | * GEAR ASSY. (1.5:1 RED., R.H.)       |        |   |   | 1 |   |   |   |   |   |   |   |   |   |   |
| 1A                                                                                                                                                                                                              | 5122590 | * GEAR ASSY. (2:1 RED., L.H.)         |        |   |   |   | 1 |   |   |   |   |   |   |   |   |   |
| 1A                                                                                                                                                                                                              | 5122591 | * GEAR ASSY. (2:1 RED., R.H.)         |        |   |   |   |   | 1 |   |   |   |   |   |   |   |   |
| 1A                                                                                                                                                                                                              | 5122593 | * GEAR ASSY. (2.5:1 RED., R.H.)       |        |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
| 1A                                                                                                                                                                                                              | 5122594 | * GEAR ASSY. (2.5:1 RED., L.H.)       |        |   |   |   |   |   |   | 1 |   |   |   |   |   |   |
| 1A                                                                                                                                                                                                              | 5122595 | * GEAR ASSY. (3:1 RED., R.H.)         |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| 1A                                                                                                                                                                                                              | 5122596 | * GEAR ASSY. (3:1 RED., L.H.)         |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
|                                                                                                                                                                                                                 | 5106304 | GEAR ASSY. (DIRECT DRIVE, R.H.)       |        |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
|                                                                                                                                                                                                                 | 5106305 | GEAR ASSY. (DIRECT DRIVE, L.H.)       |        |   |   |   |   |   |   |   |   |   |   | 1 |   |   |
| 1A                                                                                                                                                                                                              | 5106306 | GEAR ASSY. (1.5:1 RED, R.H.)          |        |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| 1A                                                                                                                                                                                                              | 5106307 | GEAR ASSY. (1.5:1 RED, L.H.)          |        |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| * NOT SERVICED; SHOWN FOR REFERENCE ONLY.                                                                                                                                                                       |         |                                       |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 9.1007 - ADAPTOR, MARINE GEAR HOUSING                                                                                                                                                                           |         |                                       |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                                                                                                                                                              | 5196179 | ADAPTOR ASSY. (INCLUDES BEARING)      | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                                                                                                                                                              | 5198322 | ADAPTOR ASSY.                         |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 2A                                                                                                                                                                                                              | 455724  | BEARING (NEEDLE)                      | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   | 1 | 1 |
| 2A                                                                                                                                                                                                              | 5121182 | PLUG, 1/4" PIPE (2.4015)              | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                                                                                                                                                                              | 5197537 | BOLT, 3/8"-16X1 1/4" 12 PT. HD.       | 4      | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR                                                                                                                                                                    |         |                                       |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                                                                                                                                                              | 5196181 | GASKET                                | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9.1010 - HOUSING, MARINE GEAR                                                                                                                                                                                   |         |                                       |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| A HOUSING ASSY. INCLUDES BUSHING IN 9.1010 AND TUBE IN 9.1410.                                                                                                                                                  |         |                                       |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                                                                                                                                                              | 5196232 | * HOUSING ASSY. (DIRECT DRIVE)        | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                                                                                                                                                              | 5196235 | @ # HOUSING ASSY. (REDUCTION DRIVE)   |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                                                                                                                                                              | 5196728 | & % HOUSING ASSY. (2:1 RED.)          |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
|                                                                                                                                                                                                                 | NPN     | HOUSING ASSY. (WARNER #10-17-065-006) |        |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
| 2A                                                                                                                                                                                                              | 5149807 | HOUSING ASSY.                         |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
|                                                                                                                                                                                                                 | 5149803 | NAMEPLATE                             |        |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
|                                                                                                                                                                                                                 | 5149806 | NAMEPLATE                             |        |   |   |   |   |   |   |   |   |   |   | 1 |   |   |
|                                                                                                                                                                                                                 | 5149691 | NAMEPLATE                             |        |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
|                                                                                                                                                                                                                 | 5149692 | NAMEPLATE                             |        |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| 2A                                                                                                                                                                                                              | 5196511 | BUSHING (OUTPUT SHAFT)                | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |
| 2A                                                                                                                                                                                                              | 5145009 | PLUG, 1/8" PIPE (12.9550)             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                                                                                                                                                              | 5145014 | PLUG, 3/8" PIPE (12.9550)             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
|                                                                                                                                                                                                                 | 9421745 | PLUG (1/2" CUP) (12.9330)             |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                                                                                                                                                              | 190073  | SCREW, DRIVE #2X3/16"                 |        |   |   |   |   |   |   |   |   |   | 2 | 2 | 2 | 2 |
| 2A                                                                                                                                                                                                              | 5198461 | PLUG (.338" DIA. CUP)                 |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| * NOT SERVICED; REPLACE WITH<br>1-5198093 HOUSING ASSY.,<br>2-5196730 PLATE, 3-3712718 DOWEL<br>PINS, 1-5196895 STRAINER,<br>1-5196907 BUSHING, 1-5196894<br>BAFFLE, 1-5149100 DIPSTICK &<br>1-5149061 ADAPTOR. |         |                                       |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| @ PRIOR TO GEAR SERIAL NO. 4693 ON<br>2:1 RATIOS.                                                                                                                                                               |         |                                       |        |   |   |   |   |   |   |   |   |   |   |   |   |   |



5 3 M P C E N G I N E S

[illegible]

**# NOT SERVICED; REPLACE WITH  
1-5198094 HOUSING ASSY.,  
1-5149100 DIPSTICK, 1-51409061  
ADAPTOR, 2-5196730 PLATE &  
3-3712718 DOWEL PIN.**

[illegible]

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION ..                                            |                |                                 | COLUMN |    |    |    |    |    |    |    |    |    |    |    |    |
|-----------------------------------------------------------------------------------------------|----------------|---------------------------------|--------|----|----|----|----|----|----|----|----|----|----|----|----|
|                                                                                               |                |                                 | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L  | M  |
|                                                                                               |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    | N  |
| <b>9.1010 - HOUSING, MARINE GEAR (CONT'D)</b>                                                 |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| & EFF. WITH GEAR SERIAL NO. 4693 ON 2:1 RATIOS.                                               |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| % NOT SERVICED; REPLACE WITH 1-5198094 HOUSING ASSY., 1-5149100 DIPSTICK & 1-5149061 ADAPTOR. |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>9.1026 - SHAFT, MARINE GEAR INPUT</b>                                                      |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                                                                            | <b>5196192</b> | * SHAFT .....                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |    |    |
| 2A                                                                                            | <b>5198244</b> | SHAFT ASSY. ....<br>* OBSOLETE. |        |    |    |    |    |    |    |    |    |    | 1  | 1  | 1  |
| <b>9.1027 - BEARING, MARINE GEAR INPUT SHAFT</b>                                              |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                                                                            | <b>5149670</b> | BEARING .....                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 2A                                                                                            | <b>9413342</b> | BEARING .....                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 2A                                                                                            | <b>3709351</b> | RING, SNAP (1 1/4" I.D.) .....  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 2A                                                                                            | <b>5196193</b> | RING, SNAP (2 1/4" I.D.) .....  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| <b>9.1030 - PISTON, REVERSE CLUTCH</b>                                                        |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                                                                            | <b>5196183</b> | PISTON .....                    | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| <b>9.1035 - SEAL, REVERSE CLUTCH PISTON</b>                                                   |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                                                                            | <b>5196188</b> | SEAL, RING (3 1/2" DIA.) .....  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 2A                                                                                            | <b>5196180</b> | SEAL, RING (7 1/2" DIA.) .....  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| <b>9.1045 - PLATE, REVERSE CLUTCH</b>                                                         |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                                                                            | <b>5196303</b> | PLATE .....                     | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 2A                                                                                            | <b>5196185</b> | * PLATE (SPLINED) .....         | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |    |    |    |
| 2A                                                                                            | <b>5196730</b> | @ PLATE (SPLINED) .....         |        |    |    |    | 2  | 2  |    |    |    |    |    |    |    |
| 2A                                                                                            | <b>5149757</b> | PLATE .....                     |        |    |    |    |    |    |    |    |    |    | 2  | 2  | 2  |
| * PRIOR TO GEAR SERIAL NO. 4693 ON 2:1 RATIOS.                                                |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| @ EFFECTIVE WITH GEAR SERIAL NO. 4693 ON 2:1 RATIOS.                                          |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>9.1055 - SPRING, REVERSE CLUTCH RELEASE</b>                                                |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                                                                            | <b>5196186</b> | SPRING .....                    | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| <b>9.1060 - PLATE, REVERSE CLUTCH REACTION</b>                                                |                |                                 |        |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                                                                            | <b>5196184</b> | PLATE .....                     | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 2A                                                                                            | <b>5196187</b> | * PIN (9/16"L.) .....           | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 2A                                                                                            | <b>3712718</b> | @ PIN (.623"L.) .....           |        |    |    |    | 3  | 3  |    |    |    |    |    |    |    |

## 9.1000A HYDRAULIC MARINE GEAR

| PART |         |                                                           | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---------|-----------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG  | NUMBER  | NAME AND DESCRIPTION                                      | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
|      |         | <b>9.1060 - PLATE, REVERSE CLUTCH REACTION (CONT'D)</b>   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |         | * PRIOR TO GEAR SERIAL NO. 4693 ON 2:1 RATIOS.            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |         | @ EFFECTIVE WITH GEAR SERIAL NO. 4693 ON 2:1 RATIOS.      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |         | <b>9.1080 - GEAR ASSY., MARINE GEAR PLANETARY</b>         |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |         | INCLUDES BUSHINGS IN 9.1087.                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A   | 5196210 | GEAR ASSY. (DIRECT DRIVE) .....                           | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A   | 5196244 | GEAR ASSY. (1.5:1 RED.) .....                             |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2A   | 5196245 | GEAR ASSY. (2:1 RED.) .....                               |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A   | 5196246 | GEAR ASSY. (2.5:1 AND 3:1 RED.) .....                     |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A   | 5149804 | GEAR ASSY. (DIRECT DRIVE) .....                           |        |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
| 2A   | 5149818 | GEAR ASSY. (1.5:1 RED.) .....                             |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
|      |         | <b>9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST</b> |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A   | 5196211 | WASHER (1 3/4" O.D.) .....                                | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A   | 5196213 | WASHER (2 5/8" O.D.) (1.5 AND 2:1) .....                  |        |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A   | 5149762 | WASHER .....                                              |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
|      |         | <b>9.1087 - BEARING, MARINE GEAR PLANETARY GEAR</b>       |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B   | 5199063 | BEARING (1.5:1 RED.) (GROOVED) .....                      |        |   |   | 1 | 1 |   |   |   |   |   |   |   | 1 | 1 |
| 2D   | 5197342 | BEARING (2.5:1 AND 3:1 RED.) (9.1350) .....               |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
|      | 5199829 | BUSHING .....                                             | 2      | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2B   | 5196254 | RING, SNAP (2 1/16" DIA.) .....                           |        |   | 1 | 1 |   |   |   |   |   |   |   |   | 1 | 1 |
| 2D   | 5196259 | RING, SNAP (1 27/64" DIA.) .....                          |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
|      |         | <b>9.1091 - GEAR, MARINE GEAR PLANETARY RING</b>          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A   | 5196208 | GEAR .....                                                | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A   | 5196199 | RING, SNAP (5 7/8" O.D.) .....                            | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
|      |         | <b>9.1093 - SHAFT, OUTPUT AND BUSHING ASSEMBLY</b>        |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      | 5149805 | SHAFT .....                                               |        |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
|      | 5149819 | SHAFT .....                                               |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
|      |         | <b>9.1097 - BEARING, OUTPUT SHAFT</b>                     |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B   | 5149679 | CUP, BEARING .....                                        |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
| 2B   | 5149677 | CUP, BEARING .....                                        |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
| 2B   | 5149678 | CONE, BEARING .....                                       |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
|      |         | <b>9.1135 - VALVE ASSY., SELECTOR</b>                     |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |         | INCLUDES ITEMS IN 9.1137 THRU 9.1160                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A   | 5196217 | VALVE ASSY. ....                                          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A   | 5149763 | VALVE ASSY. ....                                          |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |

## 9.1000A HYDRAULIC MARINE GEAR

|     |                |                                 | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----|----------------|---------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG | PART<br>NUMBER | NAME AND DESCRIPTION            | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
|     |                | <b>9.1137 - VALVE, SELECTOR</b> |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | <b>5196218</b> | VALVE .....                     | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A  | <b>5149673</b> | VALVE .....                     |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                   |         |                                        | COLUMN |   |    |    |    |    |   |   |   |   |   |   |   |   |
|--------------------------------------------------------|---------|----------------------------------------|--------|---|----|----|----|----|---|---|---|---|---|---|---|---|
| FIG                                                    | NUMBER  | NAME AND DESCRIPTION                   | A      | B | C  | D  | E  | F  | G | H | I | J | K | L | M | N |
| <b>9.1155 - SPRING, SELECTOR VALVE</b>                 |         |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196219 | SPRING .....                           | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 5149764 | SPRING .....                           | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 5196220 | RETAINER, SPRING .....                 | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 5196212 | RING, SNAP .....                       | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1157 - CAM, NEUTRAL</b>                           |         |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                     | 5149936 | CAM .....                              |        |   |    |    |    |    |   |   |   |   | 1 | 1 | 1 | 1 |
| 2A                                                     | 179796  | BOLT, 1/4"-20X7/8" (12.9001) .....     |        |   |    |    |    |    |   |   |   |   | 3 | 3 | 3 | 3 |
| 2A                                                     | 103319  | LOCKWASHER, 1/4" (12.9200) .....       |        |   |    |    |    |    |   |   |   |   | 3 | 3 | 3 | 3 |
| <b>9.1160 - SEAL, SELECTOR VALVE OIL</b>               |         |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196222 | SEAL RING .....                        | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1175 - LEVER, SELECTOR VALVE OPERATING</b>        |         |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                     | 5197136 | LEVER .....                            | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 5149768 | SWITCH AND COVER ASSY. ....            | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 5196221 | SPRING (DETENT) .....                  | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 104919  | BALL, 5/16" DIA. STEEL (12.9670) ..... | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 103340  | WASHER, 5/16" (12.9190) .....          | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 108579  | LOCKWASHER, 5/16" (12.9200) .....      | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 114493  | NUT, 5/16"-24 (12.9120) .....          | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1178 - COVER, SELECTOR VALVE</b>                  |         |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196224 | COVER .....                            | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 5149765 | COVER .....                            | 3      | 3 | 3  | 3  | 3  | 3  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2A                                                     | 186676  | BOLT, 1/4"-20X5/8" (12.9001) .....     | 3      | 3 | 3  | 3  | 3  | 3  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2A                                                     | 103319  | LOCKWASHER, 1/4" (12.9200) .....       | 3      | 3 | 3  | 3  | 3  | 3  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| <b>9.1179 - GASKET, SELECTOR VALVE COVER</b>           |         |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196225 | GASKET .....                           | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1223 - CYLINDER, FORWARD CLUTCH PISTON</b>        |         |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196194 | CYLINDER .....                         | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                     | 5196198 | SEAL RING (ON INPUT SHAFT) .....       | 2      | 2 | 2  | 2  | 2  | 2  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2A                                                     | 5149755 | SEAL RING .....                        |        |   |    |    |    |    |   |   |   |   | 4 | 4 | 4 | 4 |
| <b>9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST</b> |         |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196881 | WASHER (.063" THICK) .....             | 1      | 1 | AR | AR | AR | AR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1225 - PISTON, FORWARD CLUTCH</b>                 |         |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196196 | PISTON .....                           | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                 |         |                                              | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------------------------|---------|----------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                  | NUMBER  | NAME AND DESCRIPTION                         | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| <b>9.1230 - SEAL, FORWARD CLUTCH PISTON</b>          |         |                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                   | 5196195 | SEAL RING, 2.016 I.D. ....                   | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 5196197 | SEAL RING, 4.120 I.D. ....                   | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1235 - PLATE, FORWARD CLUTCH</b>                |         |                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                   | 5196202 | PLATE (INNER) .....                          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 5196205 | PLATE (OUTER) .....                          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 5197160 | PLATE .....                                  | 5      | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 2A                                                   | 5196203 | PLATE (STEEL) .....                          | 4      | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 2A                                                   | 5149809 | PLATE (INNER) .....                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>9.1240 - SPRING, FORWARD CLUTCH RELEASE</b>       |         |                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                   | 5196201 | SPRING .....                                 | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 5196200 | RING, SNAP (3" DIA.) .....                   | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 5196209 | RING, SNAP (5 1/2" DIA.) .....               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1242 - HUB, FORWARD CLUTCH</b>                  |         |                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                   | 5196206 | HUB .....                                    | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 5196207 | RING, SNAP (1 21/32" DIA.) .....             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 218211  | KEY, 1/4"x3/4" WOODRUFF (12.9350) .....      | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1282 - PLATE, REDUCTION GEAR ADAPTOR</b>        |         |                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                   | 5196250 | PLATE, 1.5:1 RED. ....                       |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B                                                   | 5196247 | PLATE, 2:1 RED. ....                         |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                   | 5196248 | PLATE, 2.5:1 & 3:1 RED. ....                 |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B                                                   | 5199039 | PLATE, 1.5:1 RED. ....                       |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
| 2B,C                                                 | 5199060 | BOLT, 7/16"-14X1" (NYLON INSERT) .....       |        |   | 6 | 6 | 6 | 6 |   |   |   |   |   |   | 6 | 6 |
| 2D                                                   | 5199061 | BOLT, 7/16"-14X1 1/4" (NYLON INSERT) .....   |        |   |   |   |   |   | 6 | 6 | 6 | 6 |   |   |   |   |
| 2B,C,D                                               | 114607  | LOCKWASHER, 7/16" EXT. TOOTH (12.9210) ..... |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   | 6 | 6 |
| <b>9.1283 - GASKET, REDUCTION GEAR ADAPTOR PLATE</b> |         |                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                               | 5196260 | GASKET .....                                 |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   | 1 | 1 |
| <b>9.1285 - HOUSING, REDUCTION GEAR</b>              |         |                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                   | 5197333 | HOUSING, 1.5:1 RED. ....                     |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2C                                                   | 5196283 | HOUSING, 2:1 RED. ....                       |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                   | 5196284 | HOUSING, 2.5:1 & 3:1 RED. ....               |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B                                                   | 5149684 | HOUSING, 1.5:1 RED. ....                     |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
| 2B                                                   | 103891  | PLUG, 5/8" EXPANSION (12.9330) .....         |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                               | 186619  | BOLT, 3/8"-16X1 1/8" (12.9001) .....         |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

PART  
 .FIG . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . .

| PART                                                                                                                                                                             |         |                                                         | COLUMN |   |   |   |   |   |    |    |   |    |    |   |   |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------|--------|---|---|---|---|---|----|----|---|----|----|---|---|---|
| FIG                                                                                                                                                                              | NUMBER  | NAME AND DESCRIPTION                                    | A      | B | C | D | E | F | G  | H  | I | J  | K  | L | M | N |
| 9.1285 - HOUSING, REDUCTION GEAR (CONT'D)                                                                                                                                        |         |                                                         |        |   |   |   |   |   |    |    |   |    |    |   |   |   |
| 2B,C,D                                                                                                                                                                           | 427567  | BOLT, 7/16"-14X1 3/4" (12.9001)                         |        |   | 2 | 2 | 2 | 2 | 2  | 2  | 2 | 2  |    |   | 2 | 2 |
| 2B,C,D                                                                                                                                                                           | 180123  | BOLT, 3/8-16X1 1/8 (12.9001)                            |        |   |   |   |   |   |    |    |   |    |    |   | 6 | 6 |
| 2B,C,D                                                                                                                                                                           | 103321  | LOCKWASHER, 3/8" (12.9200)                              |        |   | 6 | 6 | 6 | 6 | 6  | 6  | 6 | 6  |    |   | 6 | 6 |
| 2B,C,D                                                                                                                                                                           | 103322  | LOCKWASHER, 7/16" (12.9200)                             |        |   | 2 | 2 | 2 | 2 | 2  | 2  | 2 | 2  |    |   | 2 | 2 |
| 9.1286 - GASKET, REDUCTION GEAR HOUSING                                                                                                                                          |         |                                                         |        |   |   |   |   |   |    |    |   |    |    |   |   |   |
| 2B,C,D                                                                                                                                                                           | 5196285 | GASKET                                                  |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1 | 1  |    |   | 1 | 1 |
| 9.1287 - GEAR, REDUCTION GEAR INPUT                                                                                                                                              |         |                                                         |        |   |   |   |   |   |    |    |   |    |    |   |   |   |
| 2B                                                                                                                                                                               | 5196251 | GEAR (1.5:1 RED.)                                       |        |   | 1 | 1 |   |   |    |    |   |    |    |   | 1 | 1 |
| 9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR                                                                                                                               |         |                                                         |        |   |   |   |   |   |    |    |   |    |    |   |   |   |
| 2D                                                                                                                                                                               | 5196256 | PLATE, 2.5:1 RED.                                       |        |   |   |   |   |   | 1  | 1  |   |    |    |   |   |   |
| 2D                                                                                                                                                                               | 5196255 | PLATE, 3:1 RED.                                         |        |   |   |   |   |   |    |    | 1 | 1  |    |   |   |   |
| 9.1290 - GEAR, REDUCTION GEAR SUN                                                                                                                                                |         |                                                         |        |   |   |   |   |   |    |    |   |    |    |   |   |   |
| 2B                                                                                                                                                                               | 5196263 | GEAR, 1.5:1 RED.                                        |        |   | 1 | 1 |   |   |    |    |   |    |    |   |   |   |
| 2C                                                                                                                                                                               | 5196264 | GEAR, 2:1 RED.                                          |        |   |   |   | 1 | 1 |    |    |   |    |    |   |   |   |
| 2D                                                                                                                                                                               | 5196265 | GEAR, 2.5:1 RED.                                        |        |   |   |   |   |   | 1  | 1  |   |    |    |   |   |   |
| 2D                                                                                                                                                                               | 5196266 | GEAR, 3:1 RED.                                          |        |   |   |   |   |   |    |    | 1 | 1  |    |   |   |   |
| 2B                                                                                                                                                                               | 5149686 | GEAR, 1.5:1 RED.                                        |        |   |   |   |   |   |    |    |   |    |    |   | 1 | 1 |
| 2C                                                                                                                                                                               | 5196267 | RING, SNAP (1 27/32" I.D.)                              |        |   |   |   | 1 | 1 |    |    |   |    |    |   |   |   |
| 2D                                                                                                                                                                               | 3709351 | RING, SNAP (1 1/4" I.D.) (9.1027)                       |        |   |   |   |   |   | 1  | 1  | 1 | 1  |    |   | 1 | 1 |
| 2B                                                                                                                                                                               | 5196277 | PIN (GEAR DRIVE)                                        |        |   | 1 | 1 |   |   |    |    |   |    |    |   |   |   |
| 2B                                                                                                                                                                               | 5196278 | PIN, ROLL                                               |        |   | 1 | 1 |   |   |    |    |   |    |    |   |   |   |
| 9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY                                                                                                                                    |         |                                                         |        |   |   |   |   |   |    |    |   |    |    |   |   |   |
| 2B                                                                                                                                                                               | 5196268 | GEAR ASSY., 1.5:1 RED.                                  |        |   | 1 | 1 |   |   |    |    |   |    |    |   | 1 | 1 |
| 2C                                                                                                                                                                               | 5196269 | GEAR ASSY., 2:1 RED., L.H. (2 DRILL SPOTS ON REAR FACE) |        |   |   |   | 1 |   |    |    |   |    |    |   |   |   |
| 2C                                                                                                                                                                               | 5196288 | GEAR ASSY., 2:1 RED., R.H.                              |        |   |   |   |   | 1 |    |    |   |    |    |   |   |   |
| 2D                                                                                                                                                                               | 5196270 | * GEAR ASSY., 2.5:1 RED. (10 SPLINES)                   |        |   |   |   |   |   | 1  | 1  |   |    |    |   |   |   |
| 2D                                                                                                                                                                               | 5198141 | GEAR ASSY., 2.5:1 RED. (24 SPLINES)                     |        |   |   |   |   |   | AR | AR |   |    |    |   |   |   |
| 2D                                                                                                                                                                               | 5196271 | * GEAR ASSY., 3:1 RED. (10 SPLINES)                     |        |   |   |   |   |   |    |    | 1 | 1  |    |   |   |   |
| 2D                                                                                                                                                                               | 5197880 | GEAR ASSY., 3:1 RED. (24 SPLINES)                       |        |   |   |   |   |   |    |    |   | AR | AR |   |   |   |
| 2B                                                                                                                                                                               | 3709351 | RING, SNAP (1 1/4" I.D.) (9.1027)                       |        |   | 1 | 1 |   |   |    |    |   |    |    |   |   |   |
| * NOT SERVICED; FOR REPLACEMENT USE 5198141 (2.5:1) OR 5197880 (3:1) GEAR ASSY. AND INCLUDE 1-9422151 BEARING IN 9.1350, 1-5198125 FLANGE IN 9.1430 AND 1-5198128 NUT IN 9.1435. |         |                                                         |        |   |   |   |   |   |    |    |   |    |    |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART   |         |                                                       | COLUMN |   |   |   |   |   |    |    |    |    |   |   |   |   |
|--------|---------|-------------------------------------------------------|--------|---|---|---|---|---|----|----|----|----|---|---|---|---|
| FIG    | NUMBER  | NAME AND DESCRIPTION                                  | A      | B | C | D | E | F | G  | H  | I  | J  | K | L | M | N |
|        |         | 9.1293 - WASHER, REDUCTION GEAR PLANETARY GEAR THRUST |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2C     | 5196279 | WASHER (2:1 RED.)                                     |        |   |   |   | 2 | 2 |    |    |    |    |   |   |   |   |
|        |         | 9.1298 - GEAR, REDUCTION GEAR PLANETARY RING          |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D | 5196252 | GEAR, 1.5:1, 2:1, 3:1 RED.                            |        |   | 1 | 1 | 1 | 1 |    |    | 1  | 1  |   |   | 1 | 1 |
| 2D     | 5196257 | GEAR, 2.5:1 RED.                                      |        |   |   |   |   |   | 1  | 1  |    |    |   |   |   |   |
| 2B,C,D | 5196253 | RING, SNAP (6 1/4" O.D.)                              |        |   | 1 | 1 | 1 | 1 |    |    | 1  | 1  |   |   | 1 | 1 |
| 2D     | 5196258 | RING, SNAP (6 17/32" O.D.)                            |        |   |   |   |   |   | 1  | 1  |    |    |   |   |   |   |
|        |         | 9.1299 - HUB, REDUCTION GEAR                          |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B     | 5149690 | HUB                                                   |        |   |   |   |   |   |    |    |    |    |   |   | 1 | 1 |
| 2B     | 5149681 | RING, SNAP                                            |        |   |   |   |   |   |    |    |    |    |   |   | 1 | 1 |
| 2B     | 179857  | BOLT, 7/16"-14X7/8" (12.9001)                         |        |   |   |   |   |   |    |    |    |    |   |   | 4 | 4 |
|        |         | 9.1340 - SHAFT, REDUCTION GEAR DRIVE                  |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B     | 5196276 | SHAFT, 1.5:1 RED.                                     |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| 2C     | 5196273 | SHAFT ASSY. (INCLUDES BUSHING) (2:1 RED.)             |        |   |   |   |   | 1 | 1  |    |    |    |   |   |   |   |
|        | 5199829 | BUSHING, 2:1 RED. (9.1087)                            |        |   |   |   | 1 | 1 |    |    |    |    |   |   |   |   |
| 2B     | 5149688 | SHAFT, 1.5:1 RED.                                     |        |   |   |   |   |   |    |    |    |    |   |   | 1 | 1 |
|        |         | 9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT         |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D | 5197342 | BEARING                                               | 1      | 1 |   |   |   |   |    |    |    |    | 1 | 1 |   |   |
| 2B,C,D | 9413343 | @ BEARING                                             |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2D     | 9422151 | # BEARING                                             |        |   |   |   |   |   | AR | AR | AR | AR |   |   |   |   |
|        |         | @ WITH 10 SPLINE GEAR IN 9.1292.                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|        |         | # WITH 24 SPLINE GEAR IN 9.1292.                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|        |         | 9.1351 - SPACER, REDUCTION GEAR DRIVE SHAFT BEARING   |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|        | 5149766 | SPACER, BEARING                                       |        |   |   |   |   |   |    |    |    |    |   |   | 1 | 1 |
|        |         | 9.1365 - COVER, REDUCTION GEAR BEARING                |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D | 5196227 | COVER                                                 | 1      | 1 |   |   |   |   |    |    |    |    | 1 | 1 |   |   |
| 2B,C,D | 5196286 | COVER                                                 |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2B,C,D | 193221  | BOLT, 7/16"-14X1 1/4" (12.9001)                       | 6      | 6 | 6 | 6 | 6 | 6 | 6  | 6  | 6  | 6  |   |   |   |   |
| 2B,C,D | 427567  | BOLT, 7/16"-14X1 1/8 (12.9001)                        |        |   |   |   |   |   |    |    |    |    | 6 | 6 |   |   |
| 2B,C,D | 103322  | LOCKWASHER, 7/16" (12.9200)                           | 6      | 6 | 6 | 6 | 6 | 6 | 6  | 6  | 6  | 6  | 6 | 6 |   |   |
|        |         | 9.1370 - GASKET, REDUCTION GEAR BEARING COVER         |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D | 5196228 | GASKET                                                | 1      | 1 |   |   |   |   |    |    |    |    | 1 | 1 |   |   |
| 2B,C,D | 5196287 | GASKET                                                |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |



## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION ..     |                |                                                                                                              | COLUMN |    |    |    |    |    |    |    |    |    |    |    |   |   |
|--------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------|--------|----|----|----|----|----|----|----|----|----|----|----|---|---|
|                                                        |                |                                                                                                              | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L  | M | N |
| <b>9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL</b> |                |                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2B,C,D                                                 | <b>5199391</b> | SEAL, OIL (DOUBLE LIP) .....                                                                                 | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1 | 1 |
| 2B,C,D                                                 | <b>5149676</b> | SEAL, OIL .....                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <b>9.1380 - BAFFLE, MARINE GEAR OIL</b>                |                |                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2A                                                     | <b>5196175</b> | BAFFLE .....                                                                                                 | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |    | 1 | 1 |
| 2A                                                     | <b>5196894</b> | BAFFLE .....                                                                                                 |        |    |    |    |    |    |    |    |    |    | 1  | 1  |   |   |
| 2A                                                     | <b>5149674</b> | BAFFLE, OIL .....                                                                                            |        |    |    |    |    |    |    |    |    |    |    |    | 1 | 1 |
| <b>9.1395 - DIPSTICK, REDUCTION GEAR</b>               |                |                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2A                                                     | <b>5196176</b> | % DIPSTICK (FILLER CAP) (WITH HOUSING<br>5196235 OR 5196728) .....                                           | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |    |   |   |
| 2A                                                     | <b>5133364</b> | * DIPSTICK (FILLER PLUG) (WITH HOUSING<br>5198093 OR 5198094) .....                                          | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |    |   |   |
| 2A                                                     | <b>5149802</b> | DIPSTICK .....                                                                                               |        |    |    |    |    |    |    |    |    |    | 1  | 1  |   |   |
| 2A                                                     | <b>5149100</b> | DIPSTICK .....                                                                                               |        |    |    |    |    |    |    |    |    |    |    |    | 1 | 1 |
|                                                        |                | * NOT SERVICED REPLACE WITH<br>1-5149100 DIPSTICK & 1-5149061<br>ADAPTOR.                                    |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
|                                                        |                | % OBSOLETE.                                                                                                  |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <b>9.1410 - TUBE, REDUCTION GEAR OIL FILLER</b>        |                |                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
|                                                        | <b>5196174</b> | TUBE (WITH FILLER CAP TYPE DIPSTICK) .....                                                                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |    |   |   |
|                                                        | <b>5149061</b> | TUBE .....                                                                                                   |        |    |    |    |    |    |    |    |    |    | 1  | 1  | 1 | 1 |
| <b>9.1430 - FLANGE, PROPELLER DRIVE</b>                |                |                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2B,C,D                                                 | <b>5196796</b> | * FLANGE (3 1/4" B.C.) (1"-1 1/2" SHAFT)<br>(10 SPLINES) .....                                               | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |
| 2B,C,D                                                 | <b>5196745</b> | FLANGE (4 1/4" B.C.) (NOT PART OF GEAR<br>ASSY., USED IN PLACE OF 5196796<br>WITH 1 3/4"-2 1/4" SHAFT) ..... | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |
| 2D                                                     | <b>5198125</b> | @ FLANGE (4 1/4" B.C.) (24 SPLINES) .....                                                                    |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
|                                                        |                | * WITH 10 SPLINE GEAR ASSY. IN                                                                               |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
|                                                        |                | @ WITH 24 SPLINE GEAR ASSY. IN                                                                               |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
|                                                        |                | 9.1292.                                                                                                      |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <b>9.1435 - NUT, PROPELLER DRIVE FLANGE</b>            |                |                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2B,C,D                                                 | <b>5196805</b> | * NUT .....                                                                                                  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |
| 2D                                                     | <b>5198128</b> | @ NUT .....                                                                                                  |        |    |    |    |    |    | AR | AR | AR | AR |    |    |   |   |
| 2B,C,D                                                 | <b>5149755</b> | NUT .....                                                                                                    |        |    |    |    |    |    |    |    |    |    |    |    | 1 | 1 |
|                                                        |                | * WITH 10 SPLINE GEAR ASSY. IN                                                                               |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
|                                                        |                | 9.1292.                                                                                                      |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
|                                                        |                | @ WITH 24 SPLINE GEAR ASSY. IN                                                                               |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
|                                                        |                | 9.1292.                                                                                                      |        |    |    |    |    |    |    |    |    |    |    |    |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| FIG | PART<br>NUMBER | NAME AND DESCRIPTION                                                                          | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----|----------------|-----------------------------------------------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|     |                |                                                                                               | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
|     |                | <b>9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL</b>                                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196214        | PUMP ASSY. (INCLUDES SCREW IN 9.1475 AND SEAL IN 9.1505, GEARS AND PLATE NOT SOLD SEPARATELY) | 1      |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A  | 5196889        | PUMP ASSY.                                                                                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 110533         | SCREW, #10-24X3/4" FL. HD. SL. (12.9030)                                                      | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2A  | 186648         | BOLT, 5/16"-18X1 7/8" (12.9001)                                                               | 4      | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 2A  | 180082         | BOLT, 5/16"-18X1 3/8" (12.9001)                                                               |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 431787         | KEY, 3/16"X5/8" WOODRUFF (12.9350)                                                            | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A  | 5198270        | KEY, 3/16"X51/64"                                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|     |                | <b>9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP</b>                                        |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196216        | GASKET                                                                                        | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
|     |                | <b>9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP</b>                                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196215        | SEAL, OIL                                                                                     | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 5199315        | SEAL, OIL                                                                                     |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 2A  | 5149675        | + SEAL, OIL + OPTIONAL                                                                        |        |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
|     |                | <b>9.1650 - STRAINER, MARINE GEAR OIL</b>                                                     |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196178        | STRAINER                                                                                      | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5198456        | STRAINER                                                                                      |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   | 1 | 1 |
| 2A  | 5197331        | STRAINER                                                                                      |        |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
| 2A  | 5198458        | PIPE, OIL STRAINER                                                                            |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 2A  | 120428         | GASKET, 1" ANNULAR (12.9360)                                                                  | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 5198457        | BUSHING, 3/4"X3/8"                                                                            |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 2A  | 453006         | PLUG, 1" PIPE SQ. SOCKET (12.9550)                                                            | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 5145014        | PLUG, 3/8" PIPE (12.9550)                                                                     |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 2A  | 5142549        | PLUG, 3/4" PIPE (12.9550)                                                                     |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
|     |                | <b>9.1840 - BREATHER, MARINE GEAR</b>                                                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5198454        | BREATHER (3/8" DRIVE TYPE)                                                                    | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A  | 5196177        | BREATHER (3/8"-18 THREAD)                                                                     | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 5197510        | BREATHER (1/2" DRIVE TYPE)                                                                    | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                |         |                                                                                                                                                                                  | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                 | NUMBER  | NAME AND DESCRIPTION                                                                                                                                                             | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| <b>9.1001 - GEAR ASSY., HYDRAULIC MARINE</b>        |         |                                                                                                                                                                                  |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                     | 5129531 | * GEAR ASSY. (DIRECT DRIVE, L.H.)                                                                                                                                                | 1      |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                     | 5129536 | * GEAR ASSY. (DIRECT DRIVE, R.H.)                                                                                                                                                |        | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 1A                                                  | 5129532 | * GEAR ASSY. (1.5:1 RED., L.H.)                                                                                                                                                  |        |   | 1 |   |   |   |   |   |   |   |   |   |   |   |
| 1A                                                  | 5129537 | * GEAR ASSY. (1.5:1 RED., R.H.)                                                                                                                                                  |        |   |   | 1 |   |   |   |   |   |   |   |   |   |   |
| 1A                                                  | 5129533 | * GEAR ASSY. (2:1 RED., L.H.)                                                                                                                                                    |        |   |   |   | 1 |   |   |   |   |   |   |   |   |   |
| 1A                                                  | 5129538 | * GEAR ASSY. (2:1 RED., R.H.)                                                                                                                                                    |        |   |   |   |   | 1 |   |   |   |   |   |   |   |   |
| 1A                                                  | 5129534 | * GEAR ASSY. (2.5:1 RED., L.H.)                                                                                                                                                  |        |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
| 1A                                                  | 5129539 | * GEAR ASSY. (2.5:1 RED., R.H.)                                                                                                                                                  |        |   |   |   |   |   |   | 1 |   |   |   |   |   |   |
| 1A                                                  | 5129535 | * GEAR ASSY. (3:1 RED., L.H.)                                                                                                                                                    |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| 1A                                                  | 5129540 | * GEAR ASSY. (3:1 RED., R.H.)                                                                                                                                                    |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
| 1A                                                  | 5106308 | GEAR ASSY. (2:1 REV. R.H.)                                                                                                                                                       |        |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
| 1A                                                  | 5106309 | GEAR ASSY. (2:1 REV. L.H.)                                                                                                                                                       |        |   |   |   |   |   |   |   |   |   |   | 1 |   |   |
| 1A                                                  | 5106310 | GEAR ASSY. (2.5:1 REV. R.H.)                                                                                                                                                     |        |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| 1A                                                  | 5106311 | GEAR ASSY. (2.5:1 REV. L.H.)                                                                                                                                                     |        |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
|                                                     |         | * NOT SERVICED; SHOWN FOR REFERENCE ONLY.                                                                                                                                        |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>9.1007 - ADAPTOR, MARINE GEAR HOUSING</b>        |         |                                                                                                                                                                                  |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5198322 | @ ADAPTOR ASSY. (INCLUDES BEARING)                                                                                                                                               | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   | 1 | 1 | 1 | 1 |
| 2A                                                  | 5196179 | * ADAPTOR ASSY. (INCLUDES BEARING)                                                                                                                                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                  | 455724  | BEARING (NEEDLE)                                                                                                                                                                 | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                  | 5121182 | PLUG, 1/4" PIPE (2.4015)                                                                                                                                                         | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                  | 5197537 | BOLT, 3/8"-16X1 1/4" (12 PT. HD.)                                                                                                                                                | 4      | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
|                                                     |         | @ EFF. WITH SERIAL NO. 26656 (D.D.), 6260 (1.5:1), 2382 (2:1) AND 571 (3:1).                                                                                                     |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                     |         | * THRU SERIAL NO. 26655 (D.D.), 6259 (1.5:1), 2381 (2:1), AND 570 (3:1).                                                                                                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR</b> |         |                                                                                                                                                                                  |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5196181 | GASKET                                                                                                                                                                           | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1010 - HOUSING, MARINE GEAR</b>                |         |                                                                                                                                                                                  |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                     |         | A HOUSING ASSY. INCLUDES BUSHING IN 9.1010 AND TUBE IN 9.1410.                                                                                                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5197092 | # HOUSING ASSY. (DIRECT DRIVE)                                                                                                                                                   | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5198093 | & HOUSING ASSY. (DIRECT DRIVE)                                                                                                                                                   | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5196728 | = HOUSING ASSY. (REDUCTION DRIVE)                                                                                                                                                |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 5198094 | & HOUSING ASSY. (REDUCTION DRIVE)                                                                                                                                                |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 5149807 | HOUSING ASSY.                                                                                                                                                                    |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
|                                                     | 5149693 | NAME PLATE                                                                                                                                                                       |        |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
|                                                     | 5149694 | NAME PLATE                                                                                                                                                                       |        |   |   |   |   |   |   |   |   |   |   | 1 |   |   |
|                                                     | 5149823 | NAME PLATE                                                                                                                                                                       |        |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
|                                                     | 5149824 | NAME PLATE                                                                                                                                                                       |        |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| 2A                                                  | 5196511 | BUSHING (OUTPUT SHAFT)                                                                                                                                                           | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |
| 2A                                                  | 190073  | SCREW, DRIVE #2X3/16" (12.9067)                                                                                                                                                  |        |   |   |   |   |   |   |   |   |   | 2 | 2 | 2 | 2 |
| 2A                                                  | 5145009 | PLUG, 1/8" PIPE (12.9550)                                                                                                                                                        | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 5145014 | PLUG, 3/8" PIPE (12.9550)                                                                                                                                                        | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |
|                                                     | 9421745 | PLUG (1/2" CUP)                                                                                                                                                                  |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
|                                                     | 5198461 | PLUG (.338" DIA. CUP)                                                                                                                                                            |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
|                                                     |         | # PRIOR TO GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5:1), 672 (2:1), 1614 (2.5:1) AND 367 (3:1). NOT SERVICED; REPLACE WITH 5198093 HOUSING & 5149100 DIPSTICK & 1-5149061 ADAPTOR. |        |   |   |   |   |   |   |   |   |   |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>FIG ... NUMBER ... NAME AND DESCRIPTION |         |                                                                                              | COLUMN |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------------------------------------------|---------|----------------------------------------------------------------------------------------------|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                                                 |         |                                                                                              | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L  | M  | N  |
|                                                 |         | <b>9.1010 - HOUSING, MARINE GEAR (CONT'D)</b>                                                |        |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                                                 |         | & EFF. WITH GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5 1), 672 (2 1), 1614 (2.5 1) & 367 (3 1). |        |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                                                 |         | = NOT SERVICED REPLACE WITH 5198094 PLUS 1-5149100 DIPSTICK & 1-5149061 ADAPTOR.             |        |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                                                 |         | <b>9.1026 - SHAFT, MARINE GEAR INPUT</b>                                                     |        |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                              | 5198244 | SHAFT (INCLUDES FLANGE KEY IN 9.1475) .....                                                  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                 |         | <b>9.1027 - BEARING, MARINE GEAR INPUT SHAFT</b>                                             |        |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                              | 9413342 | BEARING .....                                                                                | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |    |    |    |
| 2A                                              | 5149670 | BEARING .....                                                                                |        |    |    |    |    |    |    |    |    |    | 1  | 1  | 1  | 1  |
| 2A                                              | 3709351 | RING, SNAP (1 1/4" I.D.) .....                                                               | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 2A                                              | 5196193 | RING, SNAP (2 1/4" I.D.) .....                                                               | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                 |         | <b>9.1030 - PISTON, REVERSE CLUTCH</b>                                                       |        |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                              | 5196183 | PISTON .....                                                                                 | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                 |         | <b>9.1035 - SEAL, REVERSE CLUTCH PISTON</b>                                                  |        |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                              | 5196188 | SEAL, RING (3 1/2" DIA.) .....                                                               | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 2A                                              | 5196180 | SEAL, RING (7 1/2" DIA.) .....                                                               | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                 |         | <b>9.1045 - PLATE, REVERSE CLUTCH</b>                                                        |        |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                              | 5196730 | PLATE (SPLINED) .....                                                                        | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |    |    |    |    |
| 2A                                              | 5196303 | PLATE .....                                                                                  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |    |    |    |
| 2A                                              | 5149757 | PLATE .....                                                                                  |        |    |    |    |    |    |    |    |    |    | 2  | 2  | 2  | 2  |
|                                                 |         | <b>9.1055 - SPRING, REVERSE CLUTCH RELEASE</b>                                               |        |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                              | 5196186 | SPRING .....                                                                                 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|                                                 |         | <b>9.1060 - PLATE, REVERSE CLUTCH REACTION</b>                                               |        |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2A                                              | 5196184 | PLATE .....                                                                                  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 2A                                              | 3712718 | PIN (.623" L) .....                                                                          | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION ..    |         |                                                             | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------------------------|---------|-------------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                                       |         |                                                             | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1080 - GEAR ASSY., MARINE GEAR PLANETARY            |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| INCLUDES BUSHINGS IN 9.1087.                          |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                    | 5196210 | GEAR ASSY. (DIRECT DRIVE) .....                             | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                    | 5196244 | GEAR ASSY. (1.5:1 RED.) .....                               |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2A                                                    | 5196245 | GEAR ASSY. (2:1 RED.) .....                                 |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A                                                    | 5196246 | GEAR ASSY. (2.5:1 & 3:1 RED.) .....                         |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                    | 5149810 | GEAR ASSY. (2.1:1 RED.) .....                               |        |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
| 2A                                                    | 5149811 | GEAR ASSY. (2.6:1 RED.) .....                               |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
| 9.1085 - WASHER, MARINE GEAR PLANETARY<br>GEAR THRUST |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                    | 5196211 | WASHER (1 3/4" O.D.) .....                                  | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                    | 5196213 | WASHER (2 5/8" O.D.) (1.5 & 2:1 RED.) .....                 |        |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A                                                    | 5149762 | WASHER, THRUST .....                                        |        |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
| 9.1087 - BEARING, MARINE GEAR PLANETARY<br>GEAR       |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                    | 5199063 | BEARING .....                                               |        |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |
| 2D                                                    | 5197342 | BEARING .....                                               |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                       | 5199829 | BUSHING .....                                               | 2      | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2D                                                    | 5196259 | RING, SNAP (1 27/64" DIA.) .....                            |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   | 1 | 1 |
| 2B                                                    | 5196254 | RING, SNAP (2 1/16" DIA.) .....                             |        |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |
| 9.1091 - GEAR, MARINE GEAR PLANETARY RING             |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                    | 5196208 | GEAR .....                                                  | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                    | 5196199 | RING, SNAP (5 7/8" O.D.) .....                              | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9.1093 - SHAFT, OUTPUT AND BUSHING<br>ASSEMBLY        |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                       | 5149817 | SHAFT .....                                                 |        |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
|                                                       | 5149820 | SHAFT .....                                                 |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
| 9.1097 - BEARING, OUTPUT SHAFT                        |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                    | 5149679 | CUP, BEARING .....                                          |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 2B                                                    | 5149677 | CUP, BEARING .....                                          |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 2B                                                    | 5149680 | CONE, BEARING .....                                         |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 2B                                                    | 5149678 | CONE, BEARING .....                                         |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 9.1135 - VALVE ASSY., SELECTOR                        |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                    | 5196217 | VALVE ASSY. (INCLUDES ITEMS IN<br>9.1137 THRU 9.1160) ..... | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                    | 5149763 | VALVE ASSY. (INCLUDES ITEMS IN<br>9.1137 THRU 9.1160) ..... |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 9.1137 - VALVE, SELECTOR                              |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                    | 5196218 | VALVE .....                                                 | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                    | 5149673 | VALVE .....                                                 |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |

## 9.1000A HYDRAULIC MARINE GEAR

| FIG | PART<br>NUMBER | NAME AND DESCRIPTION                     | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----|----------------|------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|     |                |                                          | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
|     |                | <b>9.1155 - SPRING, SELECTOR VALVE</b>   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196219        | SPRING .....                             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 5196220        | RETAINER, SPRING .....                   | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A  | 5149764        | SPRING .....                             |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 2A  | 5196212        | RING, SNAP .....                         | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
|     |                | <b>9.1157 - CAM, NEUTRAL</b>             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5149936        | CAM .....                                |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
| 2A  | 179796         | BOLT, 1/4"-20X7/8" (12.9001) .....       |        |   |   |   |   |   |   |   |   |   | 3 | 3 | 3 | 3 |
| 2A  | 103319         | LOCKWASHER, 1/4" (12.9200) .....         |        |   |   |   |   |   |   |   |   |   | 3 | 3 | 3 | 3 |
|     |                | <b>9.1160 - SEAL, SELECTOR VALVE OIL</b> |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196222        | SEAL RING .....                          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                            |              |                                        | COLUMN |   |    |    |    |    |   |   |   |   |   |   |   |   |
|-------------------------------------------------|--------------|----------------------------------------|--------|---|----|----|----|----|---|---|---|---|---|---|---|---|
| ..FIG ..                                        | NUMBER ..... | NAME AND DESCRIPTION .....             | A      | B | C  | D  | E  | F  | G | H | I | J | K | L | M | N |
| 9.1175 - LEVER, SELECTOR VALVE                  |              |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                              | 5197138      | LEVER .....                            | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 5196221      | SPRING (DETENT) .....                  | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 5149768      | SWITCH AND COVER ASSY. ....            |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                              | 104919       | BALL, 5/16" DIA. STEEL (12.9670) ..... | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 103340       | WASHER, 5/16" (12.9190) .....          | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 108579       | LOCKWASHER, 5/16" (12.9200) .....      | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 114493       | NUT, 5/16"-24 (12.9120) .....          | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9.1178 - COVER, SELECTOR VALVE                  |              |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                              | 5196224      | COVER .....                            | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 5149765      | COVER .....                            |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                              | 186630       | BOLT, 1/4"-20X5/8" (12.9001) .....     | 3      | 3 | 3  | 3  | 3  | 3  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2A                                              | 103319       | LOCKWASHER, 1/4" (12.9200) .....       | 3      | 3 | 3  | 3  | 3  | 3  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9.1179 - GASKET, SELECTOR VALVE COVER           |              |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                              | 5196225      | GASKET .....                           | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9.1223 - CYLINDER, FORWARD CLUTCH PISTON        |              |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                              | 5196194      | CYLINDER .....                         | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 5196198      | SEAL RING (ON OUTPUT SHAFT) .....      | 2      | 2 | 2  | 2  | 2  | 2  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2A                                              | 5149755      | SEAL RING .....                        |        |   |    |    |    |    |   |   |   |   | 4 | 4 | 4 | 4 |
| 9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST |              |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                              | 5196881      | WASHER (.063" THICK) .....             | 1      | 1 | AR | AR | AR | AR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 5196882      | WASHER (.087" THICK) .....             |        |   | AR | AR | AR | AR |   |   |   |   |   |   |   |   |
| 9.1225 - PISTON, FORWARD CLUTCH                 |              |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                              | 5196196      | PISTON .....                           | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9.1230 - SEAL, FORWARD CLUTCH PISTON            |              |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                              | 5196195      | SEAL RING (2.016" I.D.) .....          | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 5196197      | SEAL RING (4.120" I.D.) .....          | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9.1235 - PLATE, FORWARD CLUTCH                  |              |                                        |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                              | 5196202      | PLATE (INNER) .....                    | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 5196205      | PLATE (OUTER) .....                    | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                              | 5197160      | PLATE .....                            | 5      | 5 | 5  | 5  | 5  | 5  | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                 |         |                                                | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------------------------|---------|------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                  | NUMBER  | NAME AND DESCRIPTION                           | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| <b>9.1235 - PLATE, FORWARD CLUTCH (CONT'D)</b>       |         |                                                |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                   | 5196203 | PLATE (STEEL) .....                            | 4      | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 2A                                                   | 5149809 | PLATE (INNER) .....                            |        |   |   |   |   |   |   |   |   |   | 5 | 5 | 5 | 5 |
| <b>9.1240 - SPRING, FORWARD CLUTCH RELEASE</b>       |         |                                                |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                   | 5196201 | SPRING .....                                   | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 5196200 | RING, SNAP (3" DIA.) .....                     | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 5196209 | RING, SNAP (5 1/2" DIA.) .....                 | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1242 - HUB, FORWARD CLUTCH</b>                  |         |                                                |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                   | 5196206 | HUB .....                                      | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 5196207 | RING, SNAP (1 21/32" DIA.) .....               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2A                                                   | 218211  | KEY, 1/4"X3/4" WOODRUFF (12.9350) .....        | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1282 - PLATE, REDUCTION GEAR ADAPTOR</b>        |         |                                                |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                   | 5199039 | * PLATE (1.5:1 RED.) .....                     |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2C                                                   | 5197335 | PLATE (2:1 RED.) .....                         |        |   |   |   | 1 | 1 |   |   |   |   | 1 | 1 |   |   |
| 2C                                                   | 5196247 | @ PLATE (2:1 RED.) .....                       |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                   | 5196248 | PLATE (2.5:1 & 3:1 RED.) .....                 |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B                                                   | 5197338 | PLATE (2.6:1 RED.) .....                       |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
| 2B,C                                                 | 5199060 | BOLT, 7/16"-14X1" (SPECIAL NYLON INSERT) ..... |        |   | 6 | 6 | 6 | 6 |   |   |   |   | 6 | 6 |   |   |
| 2D                                                   | 5199061 | BOLT, 7/16"-14X1 1/4" (NYLON INSERT) .....     |        |   |   |   |   |   | 6 | 6 | 6 | 6 |   |   | 6 | 6 |
| 2B,C,D                                               | 114607  | LOCKWASHER, 7/16" EXT. TOOTH (12.9210) .....   |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| * USED WITH 5199063 BEARING IN 9.1087.               |         |                                                |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| @ THRU GEAR SERIAL 4327; USE 5197335 EFF. WITH 4328. |         |                                                |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>9.1283 - GASKET, REDUCTION GEAR ADAPTOR PLATE</b> |         |                                                |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                               | 5196260 | GASKET .....                                   |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| <b>9.1285 - HOUSING, REDUCTION GEAR</b>              |         |                                                |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                   | 5197333 | HOUSING (1.5:1 RED.) .....                     |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B                                                   | 5196282 | & HOUSING (1.5:1 RED.) .....                   |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B                                                   | 5197334 | # HOUSING (2:1 RED.) .....                     |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2C                                                   | 5196283 | # HOUSING (2:1 RED.) .....                     |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                   | 5196284 | HOUSING (2.5:1 & 3:1 RED.) .....               |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2C                                                   | 5149685 | HOUSING (2.1:1 RED.) .....                     |        |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
| 2B                                                   | 5149684 | HOUSING (2.6:1 RED.) .....                     |        |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |
| 2B                                                   | 103891  | PLUG, 5/8" EXPANSION (12.9330) .....           |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                               | 186619  | BOLT, 3/8"-16X1 1/8" (12.9001) .....           |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   |   |   |



## 9.1000A HYDRAULIC MARINE GEAR

PART  
FIG . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . .

| PART                                                                                                                                                              |         |                                                          | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                                                                                                                               | NUMBER  | NAME AND DESCRIPTION                                     | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1285 - HOUSING, REDUCTION GEAR (CONT'D)                                                                                                                         |         |                                                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                                                                                                                            | 427567  | BOLT, 7/16"-14X1 3/4" (12.9001)                          |        |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2B,C,D                                                                                                                                                            | 179857  | BOLT, 7/16"-14X7/8" (12.9001)                            |        |   |   |   |   |   |   |   |   |   |   |   | 2 | 2 |
| 2B,C,D                                                                                                                                                            | 180123  | BOLT, 3/8"-16X1 1/8" (12.9001)                           |        |   |   |   |   |   |   |   |   |   |   | 6 | 6 | 6 |
| 2B,C,D                                                                                                                                                            | 103321  | LOCKWASHER, 3/8" (12.9200)                               |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 2B,C,D                                                                                                                                                            | 103322  | LOCKWASHER, 7/16" (12.9200)                              |        |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| & THRU GEAR SERIAL NO. 9421; USE 5197333 EFF. WITH 9422.                                                                                                          |         |                                                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| # NOT SERVICED; FOR REPLACEMENT THRU GEAR SERIAL NO. 8482 USE 5199427 HOUSING CONVERSION KIT. USE 5199398 HOUSING FOR REPLACEMENT EFF. WITH GEAR SERIAL NO. 8483. |         |                                                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 9.1286 - GASKET, REDUCTION GEAR HOUSING                                                                                                                           |         |                                                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                                                                                                                            | 5196285 | GASKET                                                   |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9.1287 - GEAR, REDUCTION GEAR INPUT                                                                                                                               |         |                                                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                                | 5196251 | GEAR (1.5:1 RED.)                                        |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR                                                                                                                |         |                                                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                | 5196256 | PLATE (2.5:1 RED.)                                       |        |   |   |   |   |   | 1 | 1 |   |   |   |   | 1 | 1 |
| 2D                                                                                                                                                                | 5196255 | PLATE (3:1 RED.)                                         |        |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |
| 9.1290 - GEAR, REDUCTION GEAR SUN                                                                                                                                 |         |                                                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                                | 5196263 | GEAR (1.5:1 RED.)                                        |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2C                                                                                                                                                                | 5196264 | GEAR (2:1 RED.)                                          |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                | 5196265 | GEAR (2.5:1 RED.)                                        |        |   |   |   |   |   | 1 | 1 |   |   |   |   | 1 | 1 |
| 2D                                                                                                                                                                | 5196266 | GEAR (3:1 RED.)                                          |        |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |
| 2C                                                                                                                                                                | 5149687 | GEAR (2.1:1 RED.)                                        |        |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
| 2C                                                                                                                                                                | 5196267 | RING, SNAP (1 27/32" I.D.)                               |        |   |   |   | 1 | 1 |   |   |   |   | 1 | 1 |   |   |
| 2D                                                                                                                                                                | 3709351 | RING, SNAP (1 1/4" I.D.) (9.1027)                        |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   | 1 | 1 |
| 2B                                                                                                                                                                | 5196277 | PIN (GEAR DRIVE)                                         |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                                | 5196278 | PIN, ROLL                                                |        |   |   | 1 |   |   |   |   |   |   |   |   |   |   |
| 9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY                                                                                                                     |         |                                                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                                | 5196268 | GEAR ASSY. (1.5:1 RED.)                                  |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2C                                                                                                                                                                | 5196269 | GEAR ASSY. (2:1 RED., L.H.) (2 DRILL SPOTS ON REAR FACE) |        |   |   |   |   | 1 |   |   |   |   |   |   |   |   |
| 2C                                                                                                                                                                | 5196288 | GEAR ASSY. (2:1 RED., R.H.)                              |        |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                | 5196270 | * GEAR ASSY. (2.5:1 RED.) (10 SPLINES)                   |        |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                                                                                                                                                                                                           |           |                                                   | COLUMN |   |   |   |   |   |    |    |    |    |   |   |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------|--------|---|---|---|---|---|----|----|----|----|---|---|---|---|
| ..FIG ..                                                                                                                                                                                                                                       | NUMBER .. | NAME AND DESCRIPTION ..                           | A      | B | C | D | E | F | G  | H  | I  | J  | K | L | M | N |
| 9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY (CONT'D)                                                                                                                                                                                         |           |                                                   |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5198141   | % GEAR ASSY. (2.5:1 RED.) (24 SPLINES) .....      |        |   |   |   |   |   | AR | AR |    |    |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5196271   | * GEAR ASSY. (3:1 RED.) (10 SPLINES) .....        |        |   |   |   |   |   |    |    | 1  | 1  |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5197880   | GEAR ASSY. (3:1 RED.) (24 SPLINES) .....          |        |   |   |   |   |   |    |    | AR | AR |   |   |   |   |
| 2C                                                                                                                                                                                                                                             | 5149701   | GEAR ASSY. (2.1:1 RED.) .....                     |        |   |   |   |   |   |    |    |    |    | 1 |   |   |   |
| 2C                                                                                                                                                                                                                                             | 5149703   | GEAR ASSY. (2.1:1 RED.) .....                     |        |   |   |   |   |   |    |    |    |    |   | 1 |   |   |
| 2B                                                                                                                                                                                                                                             | 5149825   | GEAR ASSY. (2.6:1 RED.) .....                     |        |   |   |   |   |   |    |    |    |    |   |   | 1 | 1 |
| 2B                                                                                                                                                                                                                                             | 3709351   | RING, SNAP (1 1/4" I.D.) (9.1027) .....           |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| * NOT SERVICED; FOR REPLACEMENT<br>USE 5198141 (2.5:1) OR 5197880<br>(3:1) GEAR ASSY. AND INCLUDE<br>1-9422151 BEARING IN 9.1350,<br>1-5198125 FLANGE IN 9.1430 AND<br>1-5198128 NUT IN 9.1435.<br>% NOT SERVICED, FOR SERVICE USE<br>5196544. |           |                                                   |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 9.1293 - WASHER, REDUCTION GEAR PLANETARY GEAR THRUST                                                                                                                                                                                          |           |                                                   |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                                                                                             | 5196279   | WASHER (2:1 RED.) .....                           |        |   |   |   | 2 | 2 |    |    |    |    | 2 | 2 |   |   |
| 9.1298 - GEAR, REDUCTION GEAR PLANETARY RING                                                                                                                                                                                                   |           |                                                   |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                                                                                                                         | 5196252   | GEAR (1.5:1, 2:1, 3:1 RED.) .....                 |        |   | 1 | 1 | 1 | 1 |    |    | 1  | 1  | 1 | 1 |   |   |
| 2D                                                                                                                                                                                                                                             | 5196257   | GEAR (2.5:1 RED.) .....                           |        |   |   |   |   |   | 1  | 1  |    |    |   |   | 1 | 1 |
| 2B,C,D                                                                                                                                                                                                                                         | 5196253   | RING, SNAP (6 1/4" O.D.) .....                    |        |   | 1 | 1 | 1 | 1 |    |    | 1  | 1  | 1 | 1 |   |   |
| 2D                                                                                                                                                                                                                                             | 5196258   | RING, SNAP (6 17/32" O.D.) .....                  |        |   |   |   |   |   | 1  | 1  |    |    |   |   | 1 | 1 |
| 9.1340 - SHAFT, REDUCTION GEAR DRIVE                                                                                                                                                                                                           |           |                                                   |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                                                                                             | 5196276   | SHAFT (1.5:1 RED.) .....                          |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                                                                                             | 5196273   | SHAFT ASSY. (INCLUDES BUSHING) (2:1 RED.) .....   |        |   |   |   |   | 1 | 1  |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                                                                                             | 5149704   | SHAFT ASSY. (INCLUDES BUSHING) (2.1:1 RED.) ..... |        |   |   |   |   |   |    |    |    |    |   |   | 1 | 1 |
|                                                                                                                                                                                                                                                | 5199829   | BUSHING (2:1 RED.) (9.1087) .....                 |        |   |   |   | 1 | 1 |    |    |    |    |   | 1 | 1 |   |
| 9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT                                                                                                                                                                                                  |           |                                                   |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                                                                                             | 5197342   | BEARING .....                                     | 1      | 1 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                                                                                                                         | 9413343   | * BEARING .....                                   |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   | 1 | 1 |
| 2D                                                                                                                                                                                                                                             | 9422151   | * BEARING .....                                   |        |   |   |   |   |   | AR | AR | AR | AR |   |   |   |   |
| * WITH 10 SPLINE GEAR IN 9.1292.<br>@ WITH 24 SPLINE GEAR IN 9.1292.                                                                                                                                                                           |           |                                                   |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 9.1351 - SPACER, REDUCTION GEAR DRIVE SHAFT BEARING                                                                                                                                                                                            |           |                                                   |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                                                                                                                                                                                                                | 5149766   | SPACER, BEARING .....                             |        |   |   |   |   |   |    |    |    |    | 1 | 1 | 1 | 1 |
| 9.1365 - COVER, REDUCTION GEAR BEARING                                                                                                                                                                                                         |           |                                                   |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                                                                                                                         | 5196227   | COVER .....                                       | 1      | 1 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                                                                                                                         | 5196286   | COVER .....                                       |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2B,C,D                                                                                                                                                                                                                                         | 193221    | BOLT, 7/16"-14X1 1/4" (12.9001) .....             | 6      | 6 | 6 | 6 | 6 | 6 | 6  | 6  | 6  | 6  |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>FIG ... NUMBER ... NAME AND DESCRIPTION                                                                                                   |                                        |                                                                                                 | COLUMN |    |    |    |    |    |    |    |    |    |   |   |   |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------|--------|----|----|----|----|----|----|----|----|----|---|---|---|---|
|                                                                                                                                                   |                                        |                                                                                                 | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K | L | M | N |
| <b>9.1365 - COVER, REDUCTION GEAR BEARING (CONT'D)</b>                                                                                            |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                            | 103322                                 | LOCKWASHER, 7/16" (12.9200)                                                                     | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |   |   |   |   |
| <b>9.1370 - GASKET, REDUCTION GEAR BEARING COVER</b>                                                                                              |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                            | 5196228                                | GASKET                                                                                          | 1      | 1  |    |    |    |    |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                            | 5196287                                | GASKET                                                                                          |        |    | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL</b>                                                                                            |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                            | 5199391                                | SEAL, OIL (DOUBLE LIP)                                                                          | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2B,C,D                                                                                                                                            | 5149676                                | SEAL, OIL                                                                                       |        |    |    |    |    |    |    |    |    |    | 1 | 1 | 1 | 1 |
| <b>9.1380 - BAFFLE, MARINE GEAR OIL</b>                                                                                                           |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                                                                                                                | 5196175                                | BAFFLE                                                                                          |        |    | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |
| 2A                                                                                                                                                | 5196894                                | BAFFLE                                                                                          | 1      | 1  |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                                                                                                                | 5149682                                | BAFFLE                                                                                          |        |    |    |    |    |    |    |    |    |    |   |   | 1 | 1 |
| 2A                                                                                                                                                | 5149674                                | BAFFLE, OIL                                                                                     |        |    |    |    |    |    |    |    |    |    | 1 | 1 | 1 | 1 |
| <b>9.1395 - DIPSTICK, MARINE GEAR</b>                                                                                                             |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                                                                                                                | 5196176                                | % * DIPSTICK (FILLER CAP)                                                                       | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|                                                                                                                                                   | 5133364                                | @ DIPSTICK (FILLER PLUG)                                                                        | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                                                                                                                | 5149100                                | DIPSTICK                                                                                        |        |    |    |    |    |    |    |    |    |    | 1 | 1 | 1 | 1 |
| * PRIOR TO GEAR SERIAL NOS. 16338 (D.D.) 883 (1.5:1), 672 (2:1), 1614 (2.5:1) AND 367 (3:1).                                                      |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| @ EFFECTIVE WITH GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5:1), 672 (2:1), 1614 (2.5:1) AND 367 (3:1). NOT SERVICED USE 5149100 & 1-5149061 ADAPTOR. |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| % OBSOLETE.                                                                                                                                       |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| <b>9.1410 - TUBE, MARINE GEAR OIL FILLER</b>                                                                                                      |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 5196174                                                                                                                                           | * TUBE (WITH FILLER CAP TYPE DIPSTICK) |                                                                                                 | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 5149061                                                                                                                                           | TUBE                                   |                                                                                                 |        |    |    |    |    |    |    |    |    |    | 1 | 1 | 1 | 1 |
| * PRIOR TO GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5:1), 672 (2:1), 1614 (2.5:1) & 367 (3:1).                                                       |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| <b>9.1430 - FLANGE, PROPELLER DRIVE</b>                                                                                                           |                                        |                                                                                                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                            | 5196796                                | # FLANGE (3 1/4" B.C.) (1"-1 1/2" SHAFT)                                                        | 1      |    | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2B,C,D                                                                                                                                            | 5196745                                | FLANGE (4 1/4" B.C.) (NOT PART OF GEAR ASSY. USED IN PLACE OF 5196796 WITH 1 3/4"-2 1/4" SHAFT) | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                            |         |                                                                                                                                                      | COLUMN |   |   |   |   |   |    |    |    |    |   |   |   |   |
|-------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---|---|---|---|----|----|----|----|---|---|---|---|
| FIG                                             | NUMBER  | NAME AND DESCRIPTION                                                                                                                                 | A      | B | C | D | E | F | G  | H  | I  | J  | K | L | M | N |
| 9.1430 - FLANGE, PROPELLER DRIVE (CONT'D)       |         |                                                                                                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2D                                              | 5198125 | & FLANGE (4 1/4"B.C., 24 SPLINES) .....<br># WITH 10 SPLINE GEAR ASSY. IN 9.1292.<br>& WITH 24 SPLINE GEAR ASSY. IN 9.1292.                          |        |   |   |   |   |   | AR | AR | AR |    |   |   |   |   |
| 9.1435 - NUT, PROPELLER DRIVE FLANGE            |         |                                                                                                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                          | 5196805 | # NUT .....                                                                                                                                          | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 1D                                              | 5198128 | & NUT .....                                                                                                                                          |        |   |   |   |   |   | AR | AR | AR | AR |   |   |   |   |
| 2B,C,D                                          | 5149767 | NUT .....                                                                                                                                            |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                 |         | # WITH 10 SPLINE GEAR ASSY. IN 9.1292.<br>& WITH 24 SPLINE GEAR ASSY. IN 9.1292.                                                                     |        |   |   |   |   |   |    |    |    |    | 1 | 1 | 1 | 1 |
| 9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL  |         |                                                                                                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A                                              | 5198459 | @ PUMP ASSY. (INCLUDES SEAL IN 9.1505) .....                                                                                                         | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                              | 5196889 | % PUMP ASSY. (INCLUDES SCREW IN 9.1475 AND SEAL IN 9.1505) .....                                                                                     | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |
|                                                 | 5198270 | @ KEY, 3/16" FLANGED .....                                                                                                                           | 1      | 1 | 1 | 1 | 1 | 1 |    |    | 1  | 1  | 1 | 1 | 1 | 1 |
| 2A                                              | 431787  | % KEY, 3/16"X5/8" WOODRUFF (12.9350) .....                                                                                                           | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                              | 110533  | % SCREW, #10-24X3/4" FL. HD. SL (12.9030) .....                                                                                                      | 2      | 2 | 2 | 2 | 2 | 2 | 2  | 2  | 2  | 2  |   |   |   |   |
| 2A                                              | 180083  | @ BOLT, 5/16"-18X1 1/2" (12.9001) .....                                                                                                              | 4      | 4 | 4 | 4 | 4 | 4 | 4  | 4  | 4  | 4  |   |   |   |   |
| 2A                                              | 186648  | % BOLT, 5/16"-18X1 7/8" (12.9001) .....                                                                                                              | 4      | 4 | 4 | 4 | 4 | 4 | 4  | 4  | 4  | 4  |   |   |   |   |
| 2A                                              | 180082  | BOLT, 5/16"-18X1 3/8" (12.9001) .....                                                                                                                |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                 |         | @ EFF. WITH GEAR SERIAL NOS. 26656 (D.D.), 6260 (1.5:1), 2882 (2:1), & 571 (3:1).<br>% THRU GEAR SERIAL NOS. 26655 (D.D.), 6259 (1.5:1), 2381 (2:1). |        |   |   |   |   |   |    |    |    |    | 4 | 4 | 4 | 4 |
| 9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP |         |                                                                                                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A                                              | 5196216 | GASKET .....                                                                                                                                         | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |
| 9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP   |         |                                                                                                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A                                              | 5199315 | SEAL, OIL (DOUBLE LIP) .....                                                                                                                         | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |
| 2A                                              | 5149675 | SEAL, OIL .....                                                                                                                                      |        |   |   |   |   |   |    |    |    |    |   | 1 |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

PART  
 .FIG . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . .

| PART                               |         |                                  | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------|---------|----------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .FIG                               | NUMBER  | NAME AND DESCRIPTION             | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1650 - STRAINER, MARINE GEAR OIL |         |                                  |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                 | 5197331 | STRAINER                         | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                 | 5196895 | STRAINER                         | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                 | 5198456 | STRAINER                         |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   | 1 | 1 |
| 2A                                 | 120428  | GASKET, 1" ANNULAR (12.9360)     |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                 | 5145014 | PLUG, 3/8" PIPE (12.9550)        | 1      | 1 |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
|                                    | 5142549 | PLUG, 3/4" PIPE (12.9550)        |        |   | 1 | 1 | 1 | 1 |   |   |   |   | 1 | 1 |   |   |
| 2A                                 | 453006  | PLUG, 1" PIPE (12.9550)          |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                 | 5145009 | PLUG, 1/8" PIPE (12.9550)        |        |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |
|                                    | 5199386 | DEFLECTOR, OIL (IN MAIN HOUSING) |        |   |   |   | 1 | 1 |   |   |   |   | 1 | 1 |   |   |
|                                    | 5198458 | PIPE, OIL STRAINER               | 1      | 1 |   |   | 1 | 1 |   |   |   |   | 1 | 1 | 1 | 1 |
|                                    | 5199388 | SPRING, OIL DEFLECTOR            |        |   |   |   | 1 | 1 |   |   |   |   | 1 | 1 |   |   |
|                                    | 5199387 | WASHER, DEFLECTOR SPRING         |        |   |   |   | 1 | 1 |   |   |   |   | 1 | 1 |   |   |
|                                    | 5198457 | BUSHING, 3/4"X3/8" RED.          | 1      | 1 |   |   | 1 | 1 |   |   |   |   |   |   | 1 | 1 |
| 9.1840 - BREATHER, MARINE GEAR     |         |                                  |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                 | 5198454 | BREATHER (.338" DRIVE TYPE)      | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   | 1 | 1 | 1 | 1 |
| 2A                                 | 5197510 | BREATHER (1/2" DRIVE TYPE)       | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                 | 5196177 | BREATHER (3/8"-18 THREAD)        | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART |         | COLUMN                                                                                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---------|--------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG  | NUMBER  | NAME AND DESCRIPTION                                                                                                                       | A | B | C | D | E | F | G | H | I | J | K | L | M |
|      |         | <b>9.1001 - GEAR ASSY., HYDRAULIC MARINE</b>                                                                                               |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      | 5129455 | # GEAR ASSY. (DIRECT DRIVE, L.H.)                                                                                                          | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
|      | 5129456 | # GEAR ASSY. (DIRECT DRIVE, R.H.)                                                                                                          |   | 1 |   |   |   |   |   |   |   |   |   |   |   |
| 1A   | 5134073 | # GEAR ASSY. (2.5:1 RED., R.H.)                                                                                                            |   |   | 1 |   |   |   |   |   |   |   |   |   |   |
| 1A   | 5134100 | # GEAR ASSY. (2.5:1 RED., L.H.)                                                                                                            |   |   |   | 1 |   |   |   |   |   |   |   |   |   |
| 1A   | 5134074 | # GEAR ASSY. (3:1 RED., R.H.)                                                                                                              |   |   |   |   | 1 |   |   |   |   |   |   |   |   |
| 1A   | 5134101 | # GEAR ASSY. (3:1 RED., L.H.)                                                                                                              |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
|      | 5106314 | GEAR ASSY. (DIRECT DRIVE R.H.)                                                                                                             |   |   |   |   |   |   | 1 |   |   |   |   |   |   |
|      | 5106315 | GEAR ASSY. (DIRECT DRIVE L.H.)                                                                                                             |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| 1A   | 5106325 | GEAR ASSY. (2:1 RED., L.H.)                                                                                                                |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
| 1B   | 5130522 | # GEAR ASSY. (2:1 RED., L.H.)                                                                                                              |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
|      |         | # NOT SERVICED; SHOWN FOR<br>REFERENCE ONLY.                                                                                               |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |         | <b>9.1007 - ADAPTOR, MARINE GEAR HOUSING</b>                                                                                               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A   | 5196179 | * ADAPTOR ASSY. (INCLUDES BEARING)                                                                                                         | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |
| 2A   | 5198322 | @ ADAPTOR ASSY. (INCLUDES BEARING)                                                                                                         | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A   | 485724  | BEARING (NEEDLE)                                                                                                                           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A   | 5121182 | PLUG, 1/4" PIPE (2.4015)                                                                                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A   | 5197537 | BOLT, 3/8"-16X1 1/4" 12 PT. HD.                                                                                                            | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |
|      |         | * THRU GEAR SERIAL NO. 2407 (2.5:1),<br>102 (3:1).                                                                                         |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |         | @ EFFECTIVE WITH GEAR SERIAL NO.<br>2408 (2.5:1) AND 103 (3:1).                                                                            |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |         | <b>9.1008 - GASKET, MARINE GEAR HOUSING<br/>ADAPTOR</b>                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A   | 5196181 | GASKET                                                                                                                                     | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
|      |         | <b>9.1010 - HOUSING, MARINE GEAR</b>                                                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |         | A HOUSING ASSY. INCLUDES BUSHING<br>9.1010 AND TUBE IN 9.1410.                                                                             |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A   | 5196892 | & HOUSING ASSY. (DIRECT DRIVE)                                                                                                             | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |
| 2A   | 5198094 | HOUSING ASSY. (REDUCTION DRIVE)                                                                                                            |   |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |
| 2A   | 5149808 | HOUSING ASSY. (DIRECT DRIVE)                                                                                                               |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |
| 2A   | 5149754 | HOUSING ASSY. (REDUCTION DRIVE)                                                                                                            |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
| 2A   | 5198096 | HOUSING ASSY. (REDUCTION DRIVE)                                                                                                            |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
| 2A   | 5196511 | BUSHING (OUTPUT SHAFT)                                                                                                                     | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   | 1 |   |
|      | 5197336 | + BUSHING (OUTPUT SHAFT)                                                                                                                   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
|      | 5149826 | PLATE, NAME                                                                                                                                |   |   |   |   |   |   | 1 |   |   |   |   |   |   |
|      | 5149827 | PLATE, NAME                                                                                                                                |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
|      | 5149843 | PLATE, NAME                                                                                                                                |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
|      | 5197210 | + PLATE, NAME                                                                                                                              |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| 2A   | 5145009 | PLUG, 1/8" PIPE (12.9550)                                                                                                                  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   | 1 |   |
| 2A   | 5145014 | PLUG, 3/8" PIPE (12.9550)                                                                                                                  | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |   | 3 |   |
|      | 9421745 | PLUG (1/2" CUP)                                                                                                                            |   |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |
|      | 5198461 | PLUG (.338" DIA. CUP)                                                                                                                      |   |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |
| 2A   | 190073  | SCREW, #2X3/16" (12.9067)                                                                                                                  |   |   |   |   |   |   | 2 | 2 | 2 | 2 |   |   |   |
|      |         | & NOT SERVICED; REPLACE WITH<br>1-5198093 HOUSING, 2-5196730<br>PLATE, 3-3712718 DOWEL PINS,<br>1-5149100 DIPSTICK & 1-5149061<br>ADAPTOR. |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |         | + OBSOLETE.                                                                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                              |         |                                                 | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---------|-------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                               | NUMBER  | NAME AND DESCRIPTION                            | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1026 - SHAFT, MARINE GEAR INPUT |         |                                                 |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                | 5196192 | * SHAFT                                         | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                | 5198371 | SHAFT                                           |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
|                                   | 5198244 | SHAFT ASSY. (INCLUDES FLANGED KEY<br>IN 9.1475) |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |
|                                   |         | * OBSOLETE.                                     |        |   |   |   |   |   |   |   |   |   |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                       |         |                                         | COLUMN |    |    |    |    |    |    |    |    |    |   |   |   |   |
|--------------------------------------------|---------|-----------------------------------------|--------|----|----|----|----|----|----|----|----|----|---|---|---|---|
| FIG                                        | NUMBER  | NAME AND DESCRIPTION                    | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K | L | M | N |
| 9.1027 - BEARING, MARINE GEAR INPUT SHAFT  |         |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 9413342 | BEARING                                 | 1      | 1  | 1  | 1  | 1  | 1  |    |    |    |    |   |   |   |   |
| 2A                                         | 9416195 | BEARING                                 |        |    |    |    |    |    | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                         | 3709351 | RING, SNAP (1 1/4" I.D.)                | 1      | 1  | 1  | 1  | 1  | 1  |    |    |    |    |   |   |   |   |
| 2A                                         | 5196193 | RING, SNAP (2 1/4" I.D.)                | 1      | 1  | 1  | 1  | 1  | 1  |    |    |    |    |   |   |   |   |
| 2A                                         | 5196545 | RING, SNAP                              |        |    |    |    |    |    | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                         | 5196543 | RING, SNAP                              |        |    |    |    |    |    | 1  | 1  | 1  | 1  |   |   |   |   |
| 9.1030 - PISTON, REVERSE CLUTCH            |         |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 5196183 | PISTON                                  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 9.1035 - SEAL, REVERSE CLUTCH PISTON       |         |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 5196188 | SEAL, RING (3 1/2" DIA.)                | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                         | 5196180 | SEAL, RING (7 1/2" DIA.)                | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 9.1045 - PLATE, REVERSE CLUTCH             |         |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 5196303 | PLATE                                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  |   |   |   |   |
| 2A                                         | 5196185 | PLATE (SPLINED)                         | 2      | 2  |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 5196730 | PLATE (SPLINED)                         |        |    | 2  | 2  | 2  | 2  |    |    |    | 3  |   |   |   |   |
| 2A                                         | 5149757 | PLATE                                   |        |    |    |    |    |    | 2  | 2  | 3  |    |   |   |   |   |
| 9.1055 - SPRING, REVERSE CLUTCH RELEASE    |         |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 5196186 | SPRING                                  | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |   |   |   |   |
| 9.1060 - PLATE, REVERSE CLUTCH REACTION    |         |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 5196184 | PLATE                                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                         | 5196187 | PIN                                     | 3      | 3  |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 3712718 | PIN (.623"L)                            |        |    | 3  | 3  | 3  | 3  | 3  | 3  | 3  |    |   |   |   |   |
| 2A                                         | 5196733 | PIN (27/32"L)                           |        |    |    |    |    |    |    |    |    | 3  |   |   |   |   |
| 9.1080 - GEAR ASSY., MARINE GEAR PLANETARY |         |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| INCLUDES BUSHINGS IN 9.1087.               |         |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 5196210 | GEAR ASSY. (DIRECT DRIVE)               | 1      | 1  |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 5196246 | GEAR ASSY. (2.5:1 & 3:1 RED.)           |        |    | 1  | 1  | 1  | 1  |    |    |    |    |   |   |   |   |
| 2A                                         | 5197209 | GEAR ASSY. (2:1 RED.)                   |        |    |    |    |    |    |    |    |    | 1  |   |   |   |   |
| 9.1081 - CAGE, PLANETARY GEAR              |         |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                         | 5149812 | CAGE PINION AND SHAFT ASSY.             |        |    |    |    |    |    | 1  | 1  |    |    |   |   |   |   |
| 2A                                         | 5149815 | CAGE PINION AND SHAFT ASSY.             |        |    |    |    |    |    |    |    | 1  |    |   |   |   |   |
| 2A                                         | 5149702 | CAGE PINION AND SHAFT DRIVEN ASSY.      |        |    |    |    |    |    |    |    |    | 1  |   |   |   |   |
| 2A                                         | 5196804 | CAGE PINION AND SHAFT ASSY.<br>(9.1080) |        |    |    |    |    |    |    |    |    |    |   |   | 1 |   |
| 2A                                         | 5196272 | SCREEN, PLANETARY GEAR (9.1080)         |        |    |    |    |    |    |    |    |    |    |   |   | 1 |   |
| 2A                                         | 5197230 | BOLT, 5/16"-18X3/4" (9.1080)            |        |    |    |    |    |    |    |    |    |    |   |   | 6 |   |
| 2A                                         | 103320  | LOCKWASHER, 5/16" (12.9200)             |        |    |    |    |    |    |    |    |    |    |   |   | 6 |   |



## 9.1000A HYDRAULIC MARINE GEAR

| FIG | PART<br>NUMBER | NAME AND DESCRIPTION                                                          | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----|----------------|-------------------------------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|     |                |                                                                               | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 2A  | 5198211        | 9.1085 - WASHER, MARINE GEAR PLANETARY<br>GEAR THRUST<br>WASHER (1 3/4" O.D.) | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION ..  |                |                                           | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------|----------------|-------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                                     |                |                                           | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| <b>9.1087 - BEARING, MARINE GEAR PLANETARY GEAR</b> |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2D                                                  | <b>5196226</b> | BEARING (2.5:1 & 3:1 RED.) (9.1350) ..... |        |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                  | <b>5197342</b> | BEARING .....                             |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
|                                                     | <b>5199829</b> | BUSHING .....                             | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |   |
| 2D                                                  | <b>5196259</b> | RING, SNAP (1 27/64" DIA.) .....          |        |   | 1 | 1 | 1 | 1 |   |   | 1 | 1 |   |   |   |   |
| <b>9.1091 - GEAR, MARINE GEAR PLANETARY RING</b>    |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | <b>5196208</b> | GEAR .....                                | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A                                                  | <b>5196199</b> | RING, SNAP (5 7/8" O.D.) .....            | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | <b>5196549</b> | GEAR, RING .....                          |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1093 - SHAFT, MARINE GEAR OUTPUT</b>           |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| INCLUDES BUSHING IN 9.1087                          |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                     | <b>5149821</b> | SHAFT AND BUSHING ASSY. ....              |        |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |
|                                                     | <b>5149818</b> | SHAFT AND BUSHING ASSY. ....              |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| <b>9.1097 - BEARING, OUTPUT SHAFT</b>               |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                  | <b>5149679</b> | CUP, BEARING .....                        |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
| 2B                                                  | <b>5149677</b> | CUP, BEARING .....                        |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
| 2B                                                  | <b>5149678</b> | CONE, BEARING .....                       |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
| 2B                                                  | <b>5149680</b> | CONE, BEARING .....                       |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
| <b>9.1135 - VALVE ASSY., SELECTOR</b>               |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| INCLUDES ITEMS IN 9.1137 THRU 9.1160                |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | <b>5196217</b> | VALVE ASSY. ....                          | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   | 1 |   |   |   |   |
| 2A                                                  | <b>5149763</b> | VALVE ASSY. ....                          |        |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   |
| <b>9.1137 - VALVE, SELECTOR</b>                     |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | <b>5196218</b> | VALVE .....                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | <b>5149673</b> | VALVE .....                               |        |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   |
| <b>9.1155 - SPRING, SELECTOR VALVE</b>              |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | <b>5196219</b> | SPRING .....                              | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   | 1 |   |   |   |   |
| 2A                                                  | <b>5149764</b> | SPRING .....                              |        |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   |
| 2A                                                  | <b>5196220</b> | RETAINER, SPRING .....                    | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | <b>5196212</b> | RING, SNAP .....                          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1157 - CAM, NEUTRAL</b>                        |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | <b>5149936</b> | CAM .....                                 |        |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   |
| 2A                                                  | <b>179796</b>  | BOLT, 1/4"-20X7/8" (12.9001) .....        |        |   |   |   |   |   | 3 | 3 | 3 |   |   |   |   |   |
| 2A                                                  | <b>103321</b>  | LOCKWASHER, 1/4" (12.9200) .....          |        |   |   |   |   |   | 3 | 3 | 3 |   |   |   |   |   |
| <b>9.1160 - SEAL, SELECTOR VALVE OIL</b>            |                |                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | <b>5196222</b> | SEAL RING .....                           | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

PART  
 .FIG . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . .

|                                |         |                                            | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|---------|--------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|
|                                |         |                                            | A      | B | C | D | E | F | G | H | I | J | K | L | M |
| 9.1175 - LEVER, SELECTOR VALVE |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                             | 5197136 | LEVER . . . . .                            | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                             | 5149788 | SWITCH AND COVER ASSY. . . . .             |        |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |
| 2A                             | 5196221 | SPRING (DETENT) . . . . .                  | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                             | 104919  | BALL, 5/16" DIA. STEEL (12.9670) . . . . . | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                             | 120393  | WASHER, 5/16" (12.9190) . . . . .          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                             | 108579  | LOCKWASHER, 5/16" (12.9200) . . . . .      | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                             | 114493  | NUT, 5/16"-24 (12.9120) . . . . .          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 9.1178 - COVER, SELECTOR VALVE |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                             | 5196224 | COVER . . . . .                            | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   | 1 |   |   |   |
| 2A                             | 5149785 | COVER . . . . .                            |        |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |
| 2A                             | 186676  | BOLT, 1/4"-20X5/8" (12.9001) . . . . .     | 3      | 3 | 3 | 3 | 3 | 3 |   |   |   | 3 |   |   |   |
| 3A                             | 103319  | LOCKWASHER, 1/4" (12.9200) . . . . .       | 3      | 3 | 3 | 3 | 3 | 3 |   |   |   | 3 |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                   |         |                                            | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------------------------|---------|--------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                    | NUMBER  | NAME AND DESCRIPTION                       | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| <b>9.1179 - GASKET, SELECTOR VALVE COVER</b>           |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196225 | GASKET .....                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1223 - CYLINDER, FORWARD CLUTCH PISTON</b>        |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196194 | CYLINDER .....                             | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196546 | CYLINDER .....                             |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 5196198 | SEAL RING (ON INPUT SHAFT) .....           | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |
| 2A                                                     | 5149755 | SEAL RING .....                            |        |   |   |   |   |   | 4 | 4 | 4 |   |   |   |   |   |
| <b>9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST</b> |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196881 | WASHER, .063" THICK .....                  | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1225 - PISTON, FORWARD CLUTCH</b>                 |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196196 | PISTON .....                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1230 - SEAL, FORWARD CLUTCH PISTON</b>            |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196195 | SEAL RING (2.016" I.D.) .....              | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 5196197 | SEAL RING (4.120" I.D.) .....              | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1235 - PLATE, FORWARD CLUTCH</b>                  |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196202 | PLATE (INNER) .....                        | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 5196205 | PLATE (OUTER) .....                        | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 5197160 | PLATE .....                                | 5      | 5 | 5 | 5 | 5 | 5 |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196203 | PLATE (STEEL) .....                        | 4      | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 |   |   |   |   |
| 2A                                                     | 5149809 | PLATE (INNER) .....                        |        |   |   |   |   |   | 7 | 7 | 7 |   |   |   |   |   |
| 2A                                                     | 5149758 | PLATE ASSY. ....                           |        |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   |
| 2A                                                     | 5196770 | SHIM (SNAP RING) (.050") .....             |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 5196771 | SHIM (SNAP RING) (.075") .....             |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 5196772 | SHIM (SNAP RING) (.100") .....             |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 5149759 | SNAP RING (12.9645) .....                  |        |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |
| <b>9.1240 - SPRING, FORWARD CLUTCH RELEASE</b>         |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196201 | SPRING .....                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 5196200 | RING, SNAP (3/8" DIA.) .....               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 5196209 | RING, SNAP (5 1/2" DIA.) .....             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1242 - HUB, FORWARD CLUTCH</b>                    |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196206 | HUB .....                                  | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A                                                     | 5196547 | HUB .....                                  |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 5196207 | RING, SNAP (1 21/32" DIA.) .....           | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | 218211  | KEY, 1/4"X3/4" WOODRUFF (12.9350) .....    | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A                                                     | 124553  | KEY, 1/4"X1" WOODRUFF (12.9350) .....      |        |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
| <b>9.1282 - PLATE, REDUCTION GEAR ADAPTOR</b>          |         |                                            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | 5197338 | PLATE (2.5:1 & 3:1 RED.) .....             |        |   | 1 | 1 | 1 | 1 |   |   | 1 |   |   |   |   |   |
| 2C                                                     | 5198554 | PLATE (1.9:1 RED.) .....                   |        |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| 2B,C                                                   | 5199060 | BOLT, 7/16"-14X1" (NYLON INSERT) .....     |        |   |   |   |   |   |   |   |   |   |   |   | 6 |   |
| 2D                                                     | 5199061 | BOLT, 7/16"-14X1 1/4" (NYLON INSERT) ..... |        |   | 6 | 6 | 6 | 6 |   |   | 6 |   |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

|        |                | COLUMN                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------|----------------|-------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG    | PART<br>NUMBER | NAME AND DESCRIPTION                      | A | B | C | D | E | F | G | H | I | J | K | L | M |
|        | 9.1282         | PLATE, REDUCTION GEAR ADAPTOR<br>(CONT'D) |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D | 114807         | LOCKWASHER, 7/16" EXT. TOOTH<br>(12.9210) |   |   | 6 | 6 | 6 | 6 |   |   | 6 | 6 |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                                                                                                                                                  |         |                                   | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                                                                                                                                                   | NUMBER  | NAME AND DESCRIPTION              | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1283 - GASKET, REDUCTION GEAR ADAPTOR PLATE                                                                                                                                         |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 5196260 | GASKET                            |        |   | 1 | 1 | 1 | 1 |   |   | 1 | 1 |   |   |   |   |
| 9.1285 - HOUSING, REDUCTION GEAR                                                                                                                                                      |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5197337 | HOUSING (2.5:1 & 3:1 RED.)        |        |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                                                    | 5149684 | HOUSING                           |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| 2B                                                                                                                                                                                    | 5197334 | # HOUSING (2:1 RED.)              |        |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
| 2B,D                                                                                                                                                                                  | 186619  | BOLT, 3/8"-16X1 1/8" (12.9001)    |        |   | 6 | 6 | 6 | 6 |   |   |   |   | 6 |   |   |   |
| 2B,D                                                                                                                                                                                  | 427567  | BOLT, 7/16"-14X1 3/4" (12.9001)   |        |   | 2 | 2 | 2 | 2 |   |   | 2 |   | 2 |   |   |   |
| 2B                                                                                                                                                                                    | 180123  | BOLT, 3/8"-16X1 1/8" (12.9001)    |        |   |   |   |   |   |   |   | 6 |   | 6 |   |   |   |
| 2B,D                                                                                                                                                                                  | 103321  | LOCKWASHER, 3/8" (12.9200)        |        |   | 6 | 6 | 6 | 6 |   |   | 6 |   | 6 |   |   |   |
| 2B,D                                                                                                                                                                                  | 103322  | LOCKWASHER, 7/16" (12.9200)       |        |   | 2 | 2 | 2 | 2 |   |   | 2 |   | 2 |   |   |   |
| # NOT SERVICED, FOR REPLACEMENT<br>THRU GEAR SERIAL NO. 6443 USE<br>5199427 HOUSING CONVERSION KIT.<br>USE 5199398 HOUSING FOR<br>REPLACEMENT EFFECTIVE WITH GEAR<br>SERIAL NO. 6444. |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 9.1286 - GASKET, REDUCTION GEAR HOUSING                                                                                                                                               |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 5196285 | GASKET                            |        |   | 1 | 1 | 1 | 1 |   |   | 1 | 1 |   |   |   |   |
| 9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR                                                                                                                                    |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5196256 | PLATE (2.5:1 RED.)                |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5196255 | PLATE (3:1 RED.)                  |        |   |   |   | 1 | 1 |   |   | 1 |   |   |   |   |   |
| 9.1290 - GEAR, REDUCTION GEAR SUN                                                                                                                                                     |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5196265 | GEAR (2.5:1 RED.)                 |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5196266 | GEAR (3:1 RED.)                   |        |   |   |   | 1 | 1 |   |   | 1 | 1 |   |   |   |   |
| 2D                                                                                                                                                                                    | 3709351 | RING, SNAP (1 1/4" I.D.) (9.1027) |        |   | 1 | 1 | 1 | 1 |   |   | 1 | 1 |   |   |   |   |
| 9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY                                                                                                                                         |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5198141 | * GEAR ASSY. (2.5:1 RED.)         |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5197880 | GEAR ASSY. (3:1 RED.)             |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| * NOT SERVICED, FOR SERVICE USE<br>5196544.                                                                                                                                           |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 9.1298 - GEAR, REDUCTION GEAR PLANETARY RING                                                                                                                                          |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 5196252 | GEAR (1.5:1, 2:1, 3:1 RED.)       |        |   |   |   | 1 | 1 |   |   | 1 | 1 |   |   |   |   |
| 2D                                                                                                                                                                                    | 5196257 | GEAR (2.5:1 RED.)                 |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 5196253 | RING, SNAP (6 1/4" O.D.)          |        |   |   |   | 1 | 1 |   |   | 1 | 1 |   |   |   |   |
| 2D                                                                                                                                                                                    | 5196258 | RING, SNAP (6 17/32" O.D.)        |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 9.1340 - SHAFT, REDUCTION GEAR DRIVE                                                                                                                                                  |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                                                    | 5197211 | SHAFT                             |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART   |         |                                                                  | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------|---------|------------------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG    | NUMBER  | NAME AND DESCRIPTION                                             | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
|        |         | <b>9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT</b>             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B     | 5197342 | BEARING .....                                                    | 1      | 1 |   |   |   |   |   |   | 1 |   |   |   |   |   |
| 2B,C,D | 9422151 | BEARING .....                                                    |        |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2B,C,D | 5199316 | BEARING .....                                                    |        |   |   |   |   |   |   | 1 |   |   |   |   |   |   |
| 2B,C,D | 9413343 | BEARING .....                                                    |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
|        |         | <b>9.1351 - SPACER, REDUCTION GEAR DRIVE SHAFT BEARING</b>       |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|        | 5149766 | SPACER .....                                                     |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
|        |         | <b>9.1365 - COVER, REDUCTION GEAR BEARING</b>                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D | 5196227 | COVER .....                                                      | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D | 5196286 | COVER .....                                                      |        |   | 1 | 1 | 1 | 1 |   |   |   | 1 |   |   |   |   |
| 2B,C,D | 5196765 | COVER .....                                                      |        |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |
| 2B,C,D | 193221  | BOLT, 7/16"-14X1 1/4" (12.9001) .....                            | 6      | 6 | 6 | 6 | 6 | 6 |   |   |   | 6 |   |   |   |   |
| 2B,C,D | 454933  | BOLT, 7/16"-14X1 1/8" (12.9001) .....                            |        |   |   |   |   |   |   | 6 | 6 |   |   |   |   |   |
| 2B,C,D | 103322  | LOCKWASHER, 7/16" (12.9200) .....                                | 6      | 6 | 6 | 6 | 6 | 6 |   | 6 | 6 | 6 |   |   |   |   |
|        |         | <b>9.1370 - GASKET, REDUCTION GEAR BEARING COVER</b>             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D | 5196228 | GASKET .....                                                     | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D | 5196287 | GASKET .....                                                     |        |   | 1 | 1 | 1 | 1 |   |   |   | 1 |   |   |   |   |
| 2B,C,D | 5196766 | GASKET .....                                                     |        |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |
|        |         | <b>9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL</b>           |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D | 5199391 | SEAL, OIL (DOUBLE LIP) .....                                     | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   | 1 |   |   |   |   |
| 2B,C,D | 5149676 | SEAL, OIL .....                                                  |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
|        |         | <b>9.1380 - BAFFLE, MARINE GEAR OIL</b>                          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A     | 5196894 | BAFFLE .....                                                     | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A     | 5196175 | BAFFLE .....                                                     |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
|        |         | <b>9.1386 - BAFFLE, REDUCTION HOUSING OIL</b>                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A     | 5149682 | BAFFLE, OIL .....                                                |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| 2A     | 5149674 | BAFFLE, OIL .....                                                |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
|        | 179857  | BOLT, 7/16"-14X7/8" (12.9001) .....                              |        |   |   |   |   |   |   |   | 2 |   |   |   |   |   |
|        |         | <b>9.1395 - DIPSTICK, REDUCTION GEAR</b>                         |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A     | 5196176 | % DIPSTICK (FILLER CAP) (WITH 5196892 HOUSING) .....             | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
|        | 5133364 | * DIPSTICK (FILLER PLUG) (WITH 5198093 OR 5198094 HOUSING) ..... | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A     | 5149802 | DIPSTICK .....                                                   |        |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |
| 2A     | 5149100 | DIPSTICK .....                                                   |        |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |
|        |         | * NOT SERVICED USE 5149100 PLUS 1-5149061 ADAPTOR.               |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|        |         | % OBSOLETE.                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG ... NUMBER ..... NAME AND DESCRIPTION ..... |                |                                                                                                              | COLUMN |    |   |   |   |   |    |    |   |    |   |   |   |   |
|-----------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------|--------|----|---|---|---|---|----|----|---|----|---|---|---|---|
|                                                           |                |                                                                                                              | A      | B  | C | D | E | F | G  | H  | I | J  | K | L | M | N |
| <b>9.1410 - TUBE, REDUCTION GEAR OIL FILLER</b>           |                |                                                                                                              |        |    |   |   |   |   |    |    |   |    |   |   |   |   |
| 2E                                                        | <b>5196174</b> | TUBE (WITH FILLER CAP TYPE DIPSTICK) .....                                                                   | 1      | 1  |   |   |   |   |    |    |   |    |   |   |   |   |
|                                                           | <b>5149061</b> | * ADAPTOR, DIPSTICK (3/4"-14 PIPE) .....                                                                     | 1      | 1  | 1 | 1 | 1 | 1 | 1  | 1  | 1 | 1  |   |   |   |   |
|                                                           |                | * USE WITH 5149100 IN 5198093 OR<br>5198094 HOUSING.                                                         |        |    |   |   |   |   |    |    |   |    |   |   |   |   |
| <b>9.1430 - FLANGE, PROPELLER DRIVE</b>                   |                |                                                                                                              |        |    |   |   |   |   |    |    |   |    |   |   |   |   |
| 2B,C,D                                                    | <b>5196796</b> | FLANGE (3 1/4" B.C.) (1"-1 1/2" SHAFT) .....                                                                 | 1      | 1  |   |   |   |   |    |    |   |    |   |   |   |   |
| 2B,C,D                                                    | <b>5196745</b> | FLANGE (4 1/4" B.C.) (NOT PART OF<br>GEAR ASSY., USED IN PLACE OF<br>5196796 WITH 1 3/4"-2 1/4" SHAFT) ..... | AR     | AR |   |   |   |   | AR | AR |   | AR |   |   |   |   |



## 9.1000A HYDRAULIC MARINE GEAR

| PART                                            |         |                                                                                                                                                      | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                             | NUMBER  | NAME AND DESCRIPTION                                                                                                                                 | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1430 - FLANGE, PROPELLER DRIVE (CONT'D)       |         |                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2D                                              | 5198125 | FLANGE (4 1/4" B.C., 24 SPLINES)                                                                                                                     |        |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 9.1435 - NUT, PROPELLER DRIVE FLANGE            |         |                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                          | 5196805 | NUT                                                                                                                                                  | 1      | 1 |   |   |   |   | 1 | 1 |   | 1 |   |   |   |   |
| 2D                                              | 5198128 | NUT                                                                                                                                                  |        |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2B,C,D                                          | 5149767 | NUT                                                                                                                                                  |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| 9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL  |         |                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                              | 5196214 | PUMP ASSY. (INCLUDES SCREW IN 9.1475 AND SEAL IN 9.1505)                                                                                             | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                              | 5196889 | # PUMP ASSY. (INCLUDES SCREW IN 9.1475 AND SEAL IN 9.1505)                                                                                           |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |
| 2A                                              | 5198459 | * PUMP ASSY. (INCLUDES SEAL IN 9.1505)                                                                                                               |        |   | 1 | 1 | 1 | 1 |   |   |   |   | 1 |   |   |   |
| 2A                                              | 431787  | # KEY, 3/16" X 5/8" WOODRUFF (12.9350)                                                                                                               | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
|                                                 | 5198270 | * KEY, 3/16" FLANGED                                                                                                                                 |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                                              | 110533  | # SCREW, #10-24 X 3/4" FL. HD. SL. (12.9030)                                                                                                         | 2      | 2 | 2 | 2 | 2 | 2 |   |   |   |   |   |   |   |   |
| 2A                                              | 180083  | * BOLT, 5/16"-18 X 1 1/2" (12.9001)                                                                                                                  |        |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A                                              | 179822  | # BOLT, 5/16"-18 X 1 7/8" (12.9001)                                                                                                                  | 4      | 4 | 4 | 4 | 4 | 4 |   |   |   |   |   |   |   |   |
| 2A                                              | 180082  | BOLT, 5/16"-18 X 1 3/8" (12.9001)<br># THRU GEAR SERIAL NO. 2407 (2.5:1),<br>101 (3:1).<br>* EFFECTIVE WITH GEAR SERIAL NO. 2408 (2.5:1), 102 (3:1). |        |   |   |   |   |   | 4 | 4 | 4 | 4 |   |   |   |   |
| 9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP |         |                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                              | 5196216 | GASKET                                                                                                                                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP   |         |                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                              | 5196215 | SEAL, OIL                                                                                                                                            | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                              | 5199315 | SEAL, OIL (DOUBLE LIP)                                                                                                                               |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                              | 5149675 | + SEAL, OIL<br>+ OPTIONAL                                                                                                                            |        |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   |
| 9.1650 - STRAINER, MARINE GEAR OIL              |         |                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                              | 5196895 | STRAINER                                                                                                                                             | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                 | 5198456 | STRAINER                                                                                                                                             |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
|                                                 | 120428  | GASKET, 1" ANNULAR (12.9360)                                                                                                                         |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION ..     |                |                                     | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------------------------|----------------|-------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                                        |                |                                     | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| <b>9.1650 - STRAINER, MARINE GEAR OIL<br/>(CONT'D)</b> |                |                                     |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | <b>5145014</b> | PLUG, 3/8" PIPE (12.9550) .....     | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                        | <b>453006</b>  | PLUG, 1" PIPE (12.9550) .....       |        |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
|                                                        | <b>5198457</b> | BUSHING, 3/4"X3/8" RED. PIPE .....  | 1      | 1 |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
|                                                        | <b>5198458</b> | TUBE, TRANSMISSION OIL RETURN ..... |        |   |   | 1 |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1840 - BREATHER, MARINE GEAR</b>                  |                |                                     |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                     | <b>5198454</b> | BREATHER (.338" DRIVE TYPE) .....   | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                     | <b>5197510</b> | BREATHER (1/2" DRIVE TYPE) .....    | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A                                                     | <b>5196177</b> | BREATHER (3/8"-18 THREAD) .....     | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>FIG . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . .                                                                                           |         |                                             | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                                                                                                                                             |         |                                             | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| <b>9.1001 - GEAR ASSY., HYDRAULIC MARINE</b>                                                                                                                |         |                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1B                                                                                                                                                          | 5127847 | + GEAR ASSY. (DIRECT DRIVE, L.H.) . . . . . | 1      |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1B                                                                                                                                                          | 5127851 | + GEAR ASSY. (DIRECT DRIVE, R.H.) . . . . . |        | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 1B                                                                                                                                                          | 5127848 | + GEAR ASSY. (1.5:1 RED., L.H.) . . . . .   |        |   | 1 |   |   |   |   |   |   |   |   |   |   |   |
| 1B                                                                                                                                                          | 5127852 | + GEAR ASSY. (1.5:1 RED., R.H.) . . . . .   |        |   |   | 1 |   |   |   |   |   |   |   |   |   |   |
| 1B                                                                                                                                                          | 5126825 | + GEAR ASSY. (2:1 RED., L.H.) . . . . .     |        |   |   |   | 1 |   |   |   |   |   |   |   |   |   |
| 1B                                                                                                                                                          | 5126824 | + GEAR ASSY. (2:1 RED., R.H.) . . . . .     |        |   |   |   |   | 1 |   |   |   |   |   |   |   |   |
| 1B                                                                                                                                                          | 5127853 | + GEAR ASSY. (2.5:1 RED., R.H.) . . . . .   |        |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
| 1B                                                                                                                                                          | 5127849 | + GEAR ASSY. (2.5:1 RED., L.H.) . . . . .   |        |   |   |   |   |   |   | 1 |   |   |   |   |   |   |
| 1B                                                                                                                                                          | 5127854 | + GEAR ASSY. (3:1 RED., R.H.) . . . . .     |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| 1B                                                                                                                                                          | 5127850 | + GEAR ASSY. (3:1 RED., L.H.) . . . . .     |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
| + NOT SERVICED, SHOWN FOR<br>REFERENCE ONLY.                                                                                                                |         |                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>9.1007 - ADAPTOR, MARINE GEAR HOUSING</b>                                                                                                                |         |                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                                                                                                          | 5196179 | ADAPTOR ASSY. (INCLUDES BEARING) . . . . .  | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                                                                                                                                                          | 455724  | BEARING (NEEDLE) . . . . .                  | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                                                                                                                                                          | 5121182 | PLUG, 1/4" PIPE (2.4015) . . . . .          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                                                                                                                                                          | 5197537 | BOLT, 3/8"-16X1 1/4" 12 PT. HD. . . . .     | 4      | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |   |
| <b>9.1008 - GASKET, MARINE GEAR HOUSING<br/>ADAPTOR</b>                                                                                                     |         |                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                                                                                                          | 5196181 | GASKET . . . . .                            | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| <b>9.1010 - HOUSING, MARINE GEAR</b>                                                                                                                        |         |                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| A HOUSING ASSY. INCLUDES BUSHING<br>IN 9.1010 & TUBE IN 9.1410.                                                                                             |         |                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                                                                                                          | 5196767 | * HOUSING ASSY. (DIRECT DRIVE) . . . . .    | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                                                                                                          | 5196775 | @ HOUSING ASSY. (RED. DRIVE) . . . . .      |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                                                                                                                                                          | 5196511 | BUSHING (OUTPUT SHAFT) . . . . .            | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |
| 2A                                                                                                                                                          | 5145009 | PLUG, 1/8" PIPE (12.9550) . . . . .         | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                                                                                                                                                          | 5145014 | PLUG, 3/8" PIPE (12.9550) . . . . .         | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
|                                                                                                                                                             | 9421745 | PLUG (1/2" CUP) (12.9330) . . . . .         |        |   |   |   |   |   | 1 | 1 | 1 | 1 | 1 |   |   |   |
|                                                                                                                                                             | 5198461 | PLUG (.338" DIA. CUP) . . . . .             |        |   |   |   |   |   | 1 | 1 | 1 | 1 | 1 |   |   |   |
| * OBSOLETE.                                                                                                                                                 |         |                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| @ NOT SERVICED; REPLACE WITH<br>1-5198096 HOUSING, 3-5196730<br>PLATE, 1-5196303 PLATE, 3-5196733<br>DOWEL PINS, 1-5149100 DIPSTICK &<br>1-5149061 ADAPTOR. |         |                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>9.1026 - SHAFT, MARINE GEAR INPUT</b>                                                                                                                    |         |                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                                                                                                          | 5196542 | SHAFT . . . . .                             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION ..        |                |                                          | COLUMN |    |    |    |    |    |    |    |    |    |   |   |   |   |
|-----------------------------------------------------------|----------------|------------------------------------------|--------|----|----|----|----|----|----|----|----|----|---|---|---|---|
|                                                           |                |                                          | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K | L | M | N |
| <b>9.1027 - BEARING, MARINE GEAR INPUT SHAFT</b>          |                |                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>9416195</b> | BEARING .....                            | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                        | <b>5196543</b> | RING, SNAP (1 29/64" I.D.) .....         | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                        | <b>5196545</b> | RING, SNAP (2 29/64" I.D.) .....         | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1030 - PISTON, REVERSE CLUTCH</b>                    |                |                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>5196183</b> | PISTON .....                             | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1035 - SEAL, REVERSE CLUTCH PISTON</b>               |                |                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>5196188</b> | SEAL RING (3 1/2" DIA.) .....            | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                        | <b>5196180</b> | SEAL RING (7 1/2" DIA.) .....            | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1045 - PLATE, REVERSE CLUTCH</b>                     |                |                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>5196730</b> | PLATE (SPLINED) .....                    | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |   |   |   |   |
| 2A                                                        | <b>5196303</b> | PLATE .....                              | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1055 - SPRING, REVERSE CLUTCH RELEASE</b>            |                |                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>5196186</b> | SPRING .....                             | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |   |   |   |   |
| <b>9.1060 - PLATE, REVERSE CLUTCH REACTION</b>            |                |                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>5196184</b> | PLATE .....                              | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                        | <b>5196187</b> | PIN .....                                | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |   |   |   |   |
| <b>9.1080 - GEAR ASSY., MARINE GEAR PLANETARY</b>         |                |                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| INCLUDES BUSHINGS IN 9.1087.                              |                |                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>5196550</b> | GEAR ASSY. (DIRECT DRIVE) .....          | 1      | 1  |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>5196801</b> | * GEAR ASSY. (1.5:1 RED.) .....          |        |    | 1  | 1  |    |    |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>5196544</b> | GEAR ASSY. (2:1 RED.) .....              |        |    |    |    | 1  | 1  |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>5196804</b> | GEAR ASSY. (2.5:1 & 3:1 RED.) .....      |        |    |    |    |    |    | 1  | 1  | 1  | 1  |   |   |   |   |
| * CAN ONLY BE USED WHEN HOUSING INCLUDES BUSHINGS.        |                |                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| <b>9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST</b> |                |                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                        | <b>5196211</b> | WASHER (1 3/4" O.D.) .....               | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                        | <b>5196213</b> | WASHER (2 5/8" O.D.) (1.5:1 & 2:1) ..... |        |    | 1  | 1  | 1  | 1  |    |    |    |    |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION ..  |         |                                                             | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------|---------|-------------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                                     |         |                                                             | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| <b>9.1087 - BEARING, MARINE GEAR PLANETARY GEAR</b> |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                  | 5199063 | BEARING (1.5:1 RED.) (GROOVED) .....                        |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2D                                                  | 5197342 | BEARING (2.5:1 & 3:1 RED.) (9.1350) .....                   |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B                                                  | 5196254 | RING, SNAP (2 1/16" DIA.) .....                             |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2D                                                  | 5196259 | RING, SNAP (1 27/64" DIA.) .....                            |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1091 - GEAR, MARINE GEAR PLANETARY RING</b>    |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5196549 | GEAR .....                                                  | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 5196199 | RING, SNAP (5 7/8" O.D.) .....                              | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1135 - VALVE ASSY., SELECTOR</b>               |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5196217 | VALVE ASSY. (INCLUDES ITEMS IN<br>9.1137 THRU 9.1160) ..... | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1137 - VALVE, SELECTOR</b>                     |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5196218 | VALVE .....                                                 | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1155 - SPRING, SELECTOR VALVE</b>              |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5196219 | SPRING .....                                                | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 5196220 | RETAINER, SPRING .....                                      | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 5196212 | RING, SNAP .....                                            | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1160 - SEAL, SELECTOR VALVE OIL</b>            |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5196222 | SEAL RING .....                                             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1175 - LEVER, SELECTOR VALVE</b>               |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5197136 | LEVER .....                                                 | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 5196221 | SPRING (DETENT) .....                                       | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 104919  | BALL, 5/16" DIA. STEEL (12.9670) .....                      | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 103340  | WASHER, 5/16" (12.9190) .....                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 108579  | LOCKWASHER, 5/16" (12.9200) .....                           | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 114493  | NUT, 5/16"-24 (12.9120) .....                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1178 - COVER, SELECTOR VALVE</b>               |         |                                                             |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                  | 5196224 | COVER .....                                                 | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                  | 186630  | BOLT, 1/4"-20X5/8" (12.9001) .....                          | 3      | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |   |   |   |
| 2A                                                  | 103319  | LOCKWASHER, 1/4" (12.9200) .....                            | 3      | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| FIG | PART<br>NUMBER | NAME AND DESCRIPTION                                   | COLUMN |    |    |    |    |    |    |    |    |    |   |   |   |   |
|-----|----------------|--------------------------------------------------------|--------|----|----|----|----|----|----|----|----|----|---|---|---|---|
|     |                |                                                        | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K | L | M | N |
|     |                | <b>9.1179 - GASKET, SELECTOR VALVE COVER</b>           |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A  | 5196225        | GASKET .....                                           | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|     |                | <b>9.1223 - CYLINDER, FORWARD CLUTCH PISTON</b>        |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A  | 5196546        | CYLINDER .....                                         | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A  | 5196198        | SEAL RING (ON INPUT SHAFT) .....                       | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |   |   |   |   |
|     |                | <b>9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST</b> |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A  | 5196881        | WASHER (.063" THICK) .....                             | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |   |   |
| 2A  | 5196882        | WASHER (.087" THICK) .....                             | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |   |   |
|     |                | <b>9.1225 - PISTON, FORWARD CLUTCH</b>                 |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A  | 5196196        | PISTON .....                                           | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|     |                | <b>9.1230 - SEAL, FORWARD CLUTCH PISTON</b>            |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A  | 5196195        | SEAL RING (2.016" I.D.) .....                          | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A  | 5196197        | SEAL RING (4.120" I.D.) .....                          | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|     |                | <b>9.1235 - PLATE, FORWARD CLUTCH</b>                  |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A  | 5196202        | PLATE (INNER) .....                                    | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A  | 5196205        | PLATE (OUTER) .....                                    | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A  | 5197160        | PLATE .....                                            | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |   |   |   |   |
| 2A  | 5196203        | PLATE (STEEL) .....                                    | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |   |   |   |   |
|     | 5196770        | SHIM (SNAP RING) (.050") .....                         | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |   |   |
|     | 5196771        | SHIM (SNAP RING) (.075") .....                         | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |   |   |
|     | 5196772        | SHIM (SNAP RING) (.100") .....                         | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |   |   |
|     |                | <b>9.1240 - SPRING, FORWARD CLUTCH RELEASE</b>         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A  | 5196201        | SPRING .....                                           | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A  | 5196200        | RING, SNAP (3" DIA.) .....                             | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A  | 5196209        | RING, SNAP (5 1/2" DIA.) .....                         | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|     |                | <b>9.1242 - HUB, FORWARD CLUTCH</b>                    |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A  | 5196547        | HUB .....                                              | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A  | 5196207        | RING, SNAP (1 21/32" DIA.) .....                       | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A  | 124553         | KEY, 1/4"X1" WOODRUFF (12.9350) .....                  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                          |         |                                                                                                                                                                                                                      | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                           | NUMBER  | NAME AND DESCRIPTION                                                                                                                                                                                                 | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| <b>9.1282 - PLATE, REDUCTION GEAR ADAPTOR</b>                 |         |                                                                                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                            | 5199039 | * PLATE (1.5:1 RED.)                                                                                                                                                                                                 |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2C                                                            | 5196247 | PLATE (2:1 RED.)                                                                                                                                                                                                     |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                            | 5196248 | PLATE (2.5:1 & 3:1 RED.)                                                                                                                                                                                             |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B,D                                                          | 5199060 | BOLT, 7/16"-14X1" (NYLON INSERT)                                                                                                                                                                                     |        |   | 6 | 6 | 6 | 6 |   |   |   |   |   |   |   |   |
| 2D                                                            | 5199061 | BOLT, 7/16"-14X1 1/4" (NYLON INSERT)                                                                                                                                                                                 |        |   |   |   |   |   | 6 | 6 | 6 | 6 |   |   |   |   |
| 2B,C,D                                                        | 114607  | LOCKWASHER, 7/16" EXT. TOOTH<br>(12.9210)<br>* REQUIRES 5199063 BEARING IN<br>9.1087.                                                                                                                                |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   |   |   |
| <b>9.1283 - GASKET, REDUCTION GEAR ADAPTOR<br/>PLATE</b>      |         |                                                                                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                        | 5196260 | GASKET                                                                                                                                                                                                               |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1285 - HOUSING, REDUCTION GEAR</b>                       |         |                                                                                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                            | 5197333 | HOUSING (1.5:1 RED.)                                                                                                                                                                                                 |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2C                                                            | 5196283 | # HOUSING (2:1 RED.)                                                                                                                                                                                                 |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
|                                                               | 5197334 | # HOUSING (2:1 RED.)                                                                                                                                                                                                 |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                            | 5196284 | HOUSING (2.5:1 & 3:1 RED.)                                                                                                                                                                                           |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B                                                            | 103891  | PLUG, 5/8" EXPANSION (12.9330)                                                                                                                                                                                       |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                        | 186619  | BOLT, 3/8"-16X1 1/8" (12.9001)                                                                                                                                                                                       |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   |   |   |
| 2B,C,D                                                        | 427567  | BOLT, 7/16"-14X1 3/4" (12.9001)                                                                                                                                                                                      |        |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |
| 2B,C,D                                                        | 103321  | LOCKWASHER, 3/8" (12.9200)                                                                                                                                                                                           |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   |   |   |
| 2B,C,D                                                        | 103322  | LOCKWASHER, 7/16" (12.9200)<br># NOT SERVICED, FOR REPLACEMENT<br>THRU GEAR SERIAL NO. 6443 USE<br>5199427 HOUSING CONVERSION KIT.<br>USE 5199398 HOUSING FOR<br>REPLACEMENT EFFECTIVE WITH GEAR<br>SERIAL NO. 6444. |        |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |
| <b>9.1286 - GASKET, REDUCTION GEAR HOUSING</b>                |         |                                                                                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                        | 5196285 | GASKET                                                                                                                                                                                                               |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1287 - GEAR, REDUCTION GEAR INPUT</b>                    |         |                                                                                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                            | 5196251 | GEAR (1.5:1 RED.)                                                                                                                                                                                                    |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| <b>9.1288 - PLATE, REDUCTION GEAR PLANETARY<br/>RING GEAR</b> |         |                                                                                                                                                                                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2D                                                            | 5196256 | PLATE (2.5:1 RED.)                                                                                                                                                                                                   |        |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |
| 2D                                                            | 5196255 | PLATE (3:1 RED.)                                                                                                                                                                                                     |        |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

PART  
 .FIG . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . .

|                                                                                                                                                                                  |         |                                                          | COLUMN |   |   |   |   |   |    |    |    |    |   |   |   |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------|--------|---|---|---|---|---|----|----|----|----|---|---|---|---|
|                                                                                                                                                                                  |         |                                                          | A      | B | C | D | E | F | G  | H  | I  | J  | K | L | M | N |
| <b>9.1290 - GEAR, REDUCTION GEAR SUN</b>                                                                                                                                         |         |                                                          |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                               | 5196263 | GEAR (1.5:1 RED.)                                        |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                               | 5196264 | GEAR (2:1 RED.)                                          |        |   |   |   | 1 | 1 |    |    |    |    |   |   |   |   |
| 2D                                                                                                                                                                               | 5196265 | GEAR (2.5:1 RED.)                                        |        |   |   |   |   |   | 1  | 1  |    |    |   |   |   |   |
| 2D                                                                                                                                                                               | 5196266 | GEAR (3:1 RED.)                                          |        |   |   |   |   |   |    |    | 1  | 1  |   |   |   |   |
| 2C                                                                                                                                                                               | 5196267 | RING, SNAP (1 27/32" I.D.)                               |        |   |   |   | 1 | 1 |    |    |    |    |   |   |   |   |
| 2D                                                                                                                                                                               | 3709351 | RING, SNAP (1 1/4" I.D.) (9.1027)                        |        |   |   |   |   |   | 1  | 1  | 1  | 1  |   |   |   |   |
| 2B                                                                                                                                                                               | 5196277 | PIN (GEAR DRIVE)                                         |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                               | 5196278 | PIN, ROLL                                                |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| <b>9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY</b>                                                                                                                             |         |                                                          |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                               | 5196268 | GEAR ASSY. (1.5:1 RED.)                                  |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                               | 5196269 | GEAR ASSY. (2:1 RED., L.H.) (2 DRILL SPOTS ON REAR FACE) |        |   |   |   | 1 |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                               | 5196288 | GEAR ASSY. (2:1 RED., R.H.)                              |        |   |   |   |   | 1 |    |    |    |    |   |   |   |   |
| 2D                                                                                                                                                                               | 5196270 | * GEAR ASSY. (2.5:1 RED.) (10 SPLINES)                   |        |   |   |   |   |   | 1  | 1  |    |    |   |   |   |   |
| 2D                                                                                                                                                                               | 5198141 | % GEAR ASSY. (2.5:1 RED.) (24 SPLINES)                   |        |   |   |   |   |   | AR | AR |    |    |   |   |   |   |
| 2D                                                                                                                                                                               | 5196271 | * GEAR ASSY. (3:1 RED.) (10 SPLINES)                     |        |   |   |   |   |   |    |    | 1  | 1  |   |   |   |   |
| 2D                                                                                                                                                                               | 5197780 | GEAR ASSY. (3:1 RED.) (24 SPLINES)                       |        |   |   |   |   |   |    |    | AR | AR |   |   |   |   |
| 2B                                                                                                                                                                               | 3709351 | RING, SNAP (1 1/4" I.D.) (9.1027)                        |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| * NOT SERVICED; FOR REPLACEMENT USE 5198141 (2.5:1) OR 5197880 (3:1) GEAR ASSY. AND INCLUDE 1-9422151 BEARING IN 9.1350, 1-5198125 FLANGE IN 9.1430 AND 1-5198128 NUT IN 9.1435. |         |                                                          |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| % NOT SERVICED, FOR SERVICE USE 5196544.                                                                                                                                         |         |                                                          |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| <b>9.1293 - WASHER, REDUCTION GEAR PLANETARY GEAR THRUST</b>                                                                                                                     |         |                                                          |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                               | 5196279 | WASHER (2:1 RED.)                                        |        |   |   |   | 2 | 2 |    |    |    |    |   |   |   |   |
| <b>9.1298 - GEAR, REDUCTION GEAR PLANETARY RING</b>                                                                                                                              |         |                                                          |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                                                           | 5196252 | GEAR (1.5:1, 2:1, 3:1 RED.)                              |        |   | 1 | 1 | 1 | 1 |    |    | 1  | 1  |   |   |   |   |
| 2D                                                                                                                                                                               | 5196257 | GEAR (2.5:1 RED.)                                        |        |   |   |   |   |   | 1  | 1  |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                                                           | 5196253 | RING, SNAP (6 1/4" O.D.)                                 |        |   | 1 | 1 | 1 | 1 |    |    | 1  | 1  |   |   |   |   |
| 2D                                                                                                                                                                               | 5196258 | RING, SNAP (6 17/32" O.D.)                               |        |   |   |   |   |   | 1  | 1  |    |    |   |   |   |   |
| <b>9.1340 - SHAFT, REDUCTION GEAR DRIVE</b>                                                                                                                                      |         |                                                          |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                               | 5196276 | SHAFT (1.5:1 RED.)                                       |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                               | 5196273 | SHAFT ASSY. (INCLUDES BUSHING) (2:1 RED.)                |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                                                                                                                                                  | 5199829 | BUSHING (2:1 RED.) (9.1087)                              |        |   | 1 | 1 | 1 | 1 |    |    |    |    |   |   |   |   |



## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION ..     |                |                                                                                         | COLUMN |   |   |   |   |   |    |    |    |    |   |   |   |   |
|--------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------|--------|---|---|---|---|---|----|----|----|----|---|---|---|---|
|                                                        |                |                                                                                         | A      | B | C | D | E | F | G  | H  | I  | J  | K | L | M | N |
| <b>9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT</b>   |                |                                                                                         |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                        | <b>9414818</b> | BEARING .....                                                                           | 1      | 1 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                 | <b>9413343</b> | @ BEARING .....                                                                         |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2D                                                     | <b>9422151</b> | # BEARING .....                                                                         |        |   |   |   |   |   | AR | AR | AR | AR |   |   |   |   |
|                                                        |                | @ WITH 10 SPLINE GEAR IN 9.1292.                                                        |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                        |                | # WITH 24 SPLINE GEAR IN 9.1292.                                                        |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| <b>9.1365 - COVER, REDUCTION GEAR BEARING</b>          |                |                                                                                         |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                        | <b>5196765</b> | COVER .....                                                                             | 1      | 1 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                 | <b>5196286</b> | COVER .....                                                                             |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
|                                                        | <b>454933</b>  | BOLT, 7/16"-14X1 1/8" (12.9001) .....                                                   | 6      | 6 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                 | <b>193221</b>  | BOLT, 7/16"-14X1 1/4" (12.9001) .....                                                   |        |   | 6 | 6 | 6 | 6 | 6  | 6  | 6  | 6  |   |   |   |   |
| 2B,C,D                                                 | <b>103322</b>  | LOCKWASHER, 7/16" (12.9200) .....                                                       | 6      | 6 | 6 | 6 | 6 | 6 | 6  | 6  | 6  | 6  |   |   |   |   |
| <b>9.1370 - GASKET, REDUCTION GEAR BEARING COVER</b>   |                |                                                                                         |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                        | <b>5196766</b> | GASKET .....                                                                            | 1      | 1 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                 | <b>5196287</b> | GASKET .....                                                                            |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL</b> |                |                                                                                         |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                 | <b>5199391</b> | SEAL, OIL (DOUBLE LIP) .....                                                            | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1380 - BAFFLE, MARINE GEAR OIL</b>                |                |                                                                                         |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A                                                     | <b>5196175</b> | BAFFLE .....                                                                            | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1395 - DIPSTICK, REDUCTION GEAR</b>               |                |                                                                                         |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A                                                     | <b>5196176</b> | % DIPSTICK (FILLER CAP) (WITH HOUSING 5196767 OR 5196775) .....                         | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
|                                                        | <b>5133364</b> | * DIPSTICK (FILLER PLUG) (WITH HOUSING 5198095 OR 5198096) .....                        | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
|                                                        |                | * NOT SERVICED USE 5149100 PLUS 1-5149061 ADAPTOR WITH 5198095 OR 5198096 HOUSING ONLY. |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                        |                | % OBSOLETE.                                                                             |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| <b>9.1410 - TUBE, REDUCTION GEAR OIL FILLER</b>        |                |                                                                                         |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                        | <b>5196174</b> | TUBE (WITH FILLER CAP TYPE DIPSTICK) .....                                              | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                            |         |                                                                                                             | COLUMN |    |    |    |    |    |    |    |    |    |    |   |   |   |
|-------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------|--------|----|----|----|----|----|----|----|----|----|----|---|---|---|
| FIG                                             | NUMBER  | NAME AND DESCRIPTION                                                                                        | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L | M | N |
| 9.1430 - FLANGE, PROPELLER DRIVE                |         |                                                                                                             |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
| 2B,C,D                                          | 5196796 | # FLANGE (3 1/4"B.C.) (1"-1 1/2" SHAFT) .....                                                               | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |   |   |   |
| 2B,C,D                                          | 5196745 | FLANGE (4 1/4"B.C.) (NOT PART OF GEAR<br>ASSY., USED IN PLACE OF 5196796<br>WITH 1 3/4"-2 1/4" SHAFT) ..... | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |   |
| 2D                                              | 5198125 | * FLANGE (4 1/4"B.C., 24 SPLINES) .....                                                                     |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
|                                                 |         | # WITH 10 SPLINE GEAR ASSY. IN<br>9.1292.                                                                   |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
|                                                 |         | * WITH 24 SPLINE GEAR ASSY. IN<br>9.1292.                                                                   |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
| 9.1435 - NUT, PROPELLER DRIVE FLANGE            |         |                                                                                                             |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
| 2B,C,D                                          | 5196805 | # NUT .....                                                                                                 | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |   |   |   |
| 1D                                              | 5198128 | NUT .....                                                                                                   |        |    |    |    |    |    |    | AR | AR | AR | AR |   |   |   |
|                                                 |         | # WITH 10 SPLINE GEAR ASSY. IN<br>9.1292.                                                                   |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
|                                                 |         | * WITH 24 SPLINE GEAR ASSY. IN<br>9.1292.                                                                   |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
| 9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL  |         |                                                                                                             |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
| 2A                                              | 5196214 | PUMP ASSY. (INCLUDES SCREW IN<br>9.1475 AND SEAL IN 9.1505) .....                                           | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |   |   |   |
| 2A                                              | 431787  | KEY, 3/16"X5/8" WOODRUFF (12.9350) .....                                                                    | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |   |   |   |
| 2A                                              | 110533  | SCREW, #10-24X3/4" FL. HD. SL.<br>(12.9030) .....                                                           | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |    |   |   |   |
| 2A                                              | 186648  | BOLT, 5/16"-18X1 7/8" (12.9001) .....                                                                       | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  |    |   |   |   |
| 9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP |         |                                                                                                             |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
| 2A                                              | 5196216 | GASKET .....                                                                                                | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |   |   |   |
| 9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP   |         |                                                                                                             |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
| 2A                                              | 5196215 | SEAL, OIL .....                                                                                             | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |   |   |   |
| 9.1650 - STRAINER, MARINE GEAR OIL              |         |                                                                                                             |        |    |    |    |    |    |    |    |    |    |    |   |   |   |
| 2A                                              | 5196178 | @ STRAINER .....                                                                                            | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |   |   |   |
| 2A                                              | 5196883 | & STRAINER .....                                                                                            | 1      | 1  |    |    |    |    |    |    |    |    |    |   |   |   |
| 2A                                              | 120428  | GASKET, 1" ANNULAR (12.9360) .....                                                                          | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG ... NUMBER ..... NAME AND DESCRIPTION ..... |         |                                   | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------------|---------|-----------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                                           |         |                                   | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1650 - STRAINER, MARINE GEAR OIL (CONT'D)               |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                        | 5196890 | & BUSHING, REDUCING .....         | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                           | 453006  | @ PLUG, 1" PIPE (12.9550) .....   | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| @ PRIOR TO GEAR SERIAL NO. 106 ON 1:1 RATIO.              |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| & EFFECTIVE WITH GEAR SERIAL NO. 106 ON 1:1 RATIO.        |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 9.1840 - BREATHER, MARINE GEAR                            |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                        | 5198454 | BREATHER (.338" DRIVE TYPE) ..... | 1      | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A                                                        | 5197510 | BREATHER (1/2" DRIVE TYPE) .....  | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                        | 5196177 | BREATHER (3/8"-18 THREAD) .....   | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>FIG . . . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . . |         |                                                                                           | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|
|                                                                       |         |                                                                                           | A      | B | C | D | E | F | G | H | I | J | K | L | M |
|                                                                       |         |                                                                                           |        |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                       |         | <b>9.1001 - GEAR ASSY., HYDRAULIC MARINE</b>                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |
| 1B                                                                    | 5108250 | + GEAR ASSY. (DIRECT DRIVE, L.H.) . . . . .                                               | 1      |   |   |   |   |   |   |   |   |   |   |   |   |
| 1B                                                                    | 5108255 | + GEAR ASSY. (DIRECT DRIVE, R.H.) . . . . .                                               |        | 1 |   |   |   |   |   |   |   |   |   |   |   |
| 1A,B                                                                  | 5108251 | + GEAR ASSY. (1.5:1 RED., L.H.) . . . . .                                                 |        |   | 1 |   |   |   |   |   |   |   |   |   |   |
| 1B                                                                    | 5108256 | + GEAR ASSY. (1.5:1 RED., R.H.) . . . . .                                                 |        |   |   | 1 |   |   |   |   |   |   |   |   |   |
| 1B                                                                    | 5108252 | + GEAR ASSY. (2:1 RED., L.H.) . . . . .                                                   |        |   |   |   | 1 |   |   |   |   |   |   |   |   |
| 1A,B                                                                  | 5108257 | + GEAR ASSY. (2:1 RED., R.H.) . . . . .                                                   |        |   |   |   |   | 1 |   |   |   |   |   |   |   |
| 1A                                                                    | 5108253 | + GEAR ASSY. (2.5:1 RED., L.H.) . . . . .                                                 |        |   |   |   |   |   | 1 |   |   |   |   |   |   |
| 1A,B                                                                  | 5108258 | + GEAR ASSY. (2.5:1 RED., R.H.) . . . . .                                                 |        |   |   |   |   |   |   | 1 |   |   |   |   |   |
| 1A,B                                                                  | 5108254 | + GEAR ASSY. (3:1 RED., L.H.) . . . . .                                                   |        |   |   |   |   |   |   |   | 1 |   |   |   |   |
| 1A,B                                                                  | 5108259 | + GEAR ASSY. (3:1 RED., R.H.) . . . . .                                                   |        |   |   |   |   |   |   |   |   | 1 |   |   |   |
|                                                                       |         | + NOT SERVICED, SHOWN FOR<br>REFERENCE ONLY.                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                       |         | <b>9.1007 - ADAPTOR, MARINE GEAR HOUSING</b>                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                    | 5196179 | ADAPTOR ASSY. (INCLUDES BEARING) . . . . .                                                | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
| 2A                                                                    | 455724  | BEARING (NEEDLE) . . . . .                                                                | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
| 2A                                                                    | 5121182 | PLUG, 1/4" PIPE (2.4015) . . . . .                                                        | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
| 2A                                                                    | 5197537 | BOLT, 3/8"-16X1 1/4" 12 PT. HD. . . . .                                                   | 4      | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |
|                                                                       |         | <b>9.1008 - GASKET, MARINE GEAR HOUSING<br/>ADAPTOR</b>                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                    | 5196181 | GASKET . . . . .                                                                          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
|                                                                       |         | <b>9.1010 - HOUSING, MARINE GEAR</b>                                                      |        |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                       |         | A HOUSING ASSY. INCLUDES BUSHING<br>IN 9.1010 AND TUBE IN 9.1410.                         |        |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                    | 5196731 | * HOUSING ASSY. (DIRECT DRIVE) . . . . .                                                  | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                    | 5196966 | @ HOUSING ASSY. (RED. DRIVE) . . . . .                                                    |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
| 2A                                                                    | 5196511 | BUSHING (OUTPUT SHAFT) . . . . .                                                          | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |
| 2A                                                                    | 5145009 | PLUG, 1/8" PIPE (12.9550) . . . . .                                                       | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
| 2A                                                                    | 5145014 | PLUG, 3/8" PIPE (12.9550) . . . . .                                                       | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |
|                                                                       | 9421745 | PLUG, 1/2" DIA. CUP . . . . .                                                             |        |   |   |   |   |   | 1 | 1 | 1 | 1 | 1 |   |   |
|                                                                       | 5198461 | PLUG, .338" DIA. CUP . . . . .                                                            |        |   |   |   |   |   | 1 | 1 | 1 | 1 | 1 |   |   |
|                                                                       |         | * OBSOLETE.                                                                               |        |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                       |         | @ NOT SERVICED; REPLACE WITH<br>5198096 HOUSING, 5149100<br>DIPSTICK & 1-5149061 ADAPTOR. |        |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                       |         | <b>9.1026 - SHAFT, MARINE GEAR INPUT</b>                                                  |        |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                                    | 5196542 | SHAFT . . . . .                                                                           | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                               |                  |                                         | COLUMN |    |    |    |    |    |    |    |    |    |   |   |   |   |
|----------------------------------------------------|------------------|-----------------------------------------|--------|----|----|----|----|----|----|----|----|----|---|---|---|---|
| .FIG . . .                                         | NUMBER . . . . . | NAME AND DESCRIPTION . . . . .          | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K | L | M | N |
| 9.1027 - BEARING, MARINE GEAR INPUT SHAFT          |                  |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 9416195          | BEARING . . . . .                       | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                 | 5196543          | RING, SNAP (1 29/64" I.D.) . . . . .    | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                 | 5196545          | RING, SNAP (2 29/64" I.D.) . . . . .    | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 9.1030 - PISTON, REVERSE CLUTCH                    |                  |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196183          | PISTON . . . . .                        | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 9.1035 - SEAL, REVERSE CLUTCH PISTON               |                  |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196188          | SEAL RING (3 1/2" DIA.) . . . . .       | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                 | 5196180          | SEAL RING (7 1/2" DIA.) . . . . .       | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 9.1045 - PLATE, REVERSE CLUTCH                     |                  |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196730          | PLATE (SPLINED) . . . . .               | 2      | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |   |   |   |   |
| 2A                                                 | 5196303          | PLATE . . . . .                         | 1      | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |   |   |   |   |
| 9.1055 - SPRING, REVERSE CLUTCH RELEASE            |                  |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196186          | SPRING . . . . .                        | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |   |   |   |   |
| 9.1060 - PLATE, REVERSE CLUTCH REACTION            |                  |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196184          | PLATE . . . . .                         | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|                                                    | 3712718          | PIN (5/8"L.) . . . . .                  | 3      | 3  |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196733          | PIN (27/32"L.) . . . . .                |        |    | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |   |   |   |   |
| 9.1080 - GEAR ASSY., MARINE GEAR PLANETARY         |                  |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| ASSY. INCLUDES BUSHINGS IN 9.1087.                 |                  |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196550          | GEAR ASSY. (DIRECT DRIVE) . . . . .     | 1      | 1  |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196801          | GEAR ASSY. (1.5:1 RED.) . . . . .       |        |    | 1  | 1  |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196544          | GEAR ASSY. (2:1 RED.) . . . . .         |        |    |    |    | 1  | 1  |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196804          | GEAR ASSY. (2.5:1 & 3:1 RED.) . . . . . |        |    |    |    |    |    | 1  | 1  | 1  | 1  |   |   |   |   |
| 9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST |                  |                                         |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                 | 5196211          | WASHER (1 3/4" O.D.) . . . . .          | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                 | 5196213          | WASHER (2 5/8" O.D.) . . . . .          |        |    | 1  | 1  | 1  | 1  |    |    |    |    |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

|     |                |                                                     | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----|----------------|-----------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG | PART<br>NUMBER | NAME AND DESCRIPTION                                | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
|     |                | <b>9.1087 - BEARING, MARINE GEAR PLANETARY GEAR</b> |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B  | 5199063        | BEARING (1.5:1 RED.)                                |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2D  | 5197342        | BEARING (2.5:1 & 3:1 RED.)                          |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B  | 5196254        | RING, SNAP (2 1/16" DIA.)                           |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2D  | 5196259        | RING, SNAP (1 27/64" DIA.)                          |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
|     | 5199829        | BUSHING                                             | 2      | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |
|     |                | <b>9.1091 - GEAR, MARINE GEAR PLANETARY RING</b>    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196549        | GEAR                                                | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 5196199        | RING, SNAP (5 7/8" O.D.)                            | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
|     |                | <b>9.1135 - VALVE ASSY., SELECTOR</b>               |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196217        | VALVE ASSY. (INCLUDES ITEMS IN 9.1137 THRU 9.1160)  | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
|     |                | <b>9.1137 - VALVE, SELECTOR</b>                     |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196218        | VALVE                                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
|     |                | <b>9.1155 - SPRING, SELECTOR VALVE</b>              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196219        | SPRING                                              | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 5196220        | RETAINER, SPRING                                    | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 5196212        | RING, SNAP                                          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
|     |                | <b>9.1160 - SEAL, SELECTOR VALVE OIL</b>            |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196222        | SEAL RING                                           | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   | 1 |   |   |   |   |
|     |                | <b>9.1175 - LEVER, SELECTOR VALVE</b>               |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5197136        | LEVER                                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 5196221        | SPRING (DETENT)                                     | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 104919         | BALL, 5/16" DIA. STEEL (12.9670)                    | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 103340         | WASHER, 5/16" (12.9190)                             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 108579         | LOCKWASHER, 5/16" (12.9200)                         | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 114493         | NUT, 5/16"-24 (12.9120)                             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
|     |                | <b>9.1178 - COVER, SELECTOR VALVE</b>               |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A  | 5196224        | COVER                                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A  | 186630         | BOLT, 1/4"-20X5/8" (12.9001)                        | 3      | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |   |   |   |
| 2A  | 103319         | LOCKWASHER, 1/4" (12.9200)                          | 3      | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

|                                                        |                |                                       | COLUMN |    |    |    |    |    |    |    |    |    |   |   |   |   |
|--------------------------------------------------------|----------------|---------------------------------------|--------|----|----|----|----|----|----|----|----|----|---|---|---|---|
| FIG                                                    | PART<br>NUMBER | NAME AND DESCRIPTION                  | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K | L | M | N |
| <b>9.1179 - GASKET, SELECTOR VALVE COVER</b>           |                |                                       |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                     | <b>5196225</b> | GASKET .....                          | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1223 - CYLINDER, FORWARD CLUTCH PISTON</b>        |                |                                       |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                     | <b>5196546</b> | CYLINDER .....                        | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                     | <b>5196198</b> | SEAL RING (ON INPUT SHAFT) .....      | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |   |   |   |   |
| <b>9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST</b> |                |                                       |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                     | <b>5196881</b> | WASHER, .063" THICK .....             | 1      | 1  | AR | AR | AR | AR | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                     | <b>5196882</b> | WASHER, .087" THICK .....             |        |    | AR | AR | AR | AR |    |    |    |    |   |   |   |   |
| <b>9.1225 - PISTON, FORWARD CLUTCH</b>                 |                |                                       |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                     | <b>5196196</b> | PISTON .....                          | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1230 - SEAL, FORWARD CLUTCH PISTON</b>            |                |                                       |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                     | <b>5196195</b> | SEAL RING, 2.016" I.D. ....           | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                     | <b>5196197</b> | SEAL RING, 4.120" I.D. ....           | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1235 - PLATE, FORWARD</b>                         |                |                                       |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                     | <b>5196202</b> | PLATE (INNER) .....                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                     | <b>5196205</b> | PLATE (OUTER) .....                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                     | <b>5197160</b> | PLATE .....                           | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |   |   |   |   |
| 2A                                                     | <b>5196203</b> | PLATE (STEEL) .....                   | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |   |   |   |   |
|                                                        | <b>5196770</b> | SHIM (SNAP RING) (.050") .....        | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |   |   |
|                                                        | <b>5196771</b> | SHIM (SNAP RING) (.075") .....        | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |   |   |
|                                                        | <b>5196772</b> | SHIM (SNAP RING) (.100) .....         | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |   |   |
| <b>9.1240 - SPRING, FORWARD CLUTCH RELEASE</b>         |                |                                       |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                     | <b>5196201</b> | SPRING .....                          | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                     | <b>5196200</b> | RING, SNAP (3" DIA.) .....            | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                     | <b>5196209</b> | RING, SNAP (5 1/2" DIA.) .....        | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1242 - HUB, FORWARD CLUTCH</b>                    |                |                                       |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A                                                     | <b>5196547</b> | HUB .....                             | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                     | <b>5196207</b> | RING, SNAP (1 21/32" DIA.) .....      | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A                                                     | <b>124553</b>  | KEY, 1/4"X1" WOODRUFF (12.9350) ..... | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>..FIG .. NUMBER .. NAME AND DESCRIPTION ..                                                                                                                                    |         |                                                 | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                                                                                                                                                                       |         |                                                 | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| <b>9.1282 - PLATE, REDUCTION GEAR ADAPTOR</b>                                                                                                                                         |         |                                                 |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                                                    | 5199039 | * PLATE (1.5:1 RED.) .....                      |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2C                                                                                                                                                                                    | 5196247 | PLATE (2:1 RED.) .....                          |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5196248 | PLATE (2.5:1 & 3:1 RED.) .....                  |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B,C                                                                                                                                                                                  | 5199060 | BOLT, 7/16"-14X1" (NYLON INSERT) .....          |        |   | 6 | 6 | 6 | 6 |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5199061 | BOLT, 7/16"-14X1 1/4" (NYLON INSERT) .....      |        |   |   |   |   |   | 6 | 6 | 6 | 6 |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 114607  | LOCKWASHER, 7/16" EXT. TOOTH<br>(12.9210) ..... |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   |   |   |
| * REQUIRES 5199063 BEARING IN<br>9.1080.                                                                                                                                              |         |                                                 |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>9.1283 - GASKET, REDUCTION GEAR ADAPTER</b>                                                                                                                                        |         |                                                 |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 5196260 | GASKET .....                                    |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1285 - HOUSING, REDUCTION GEAR</b>                                                                                                                                               |         |                                                 |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                                                    | 5197333 | HOUSING (1.5:1 RED.) .....                      |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2C                                                                                                                                                                                    | 5196283 | # HOUSING (2:1 RED.) .....                      |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
|                                                                                                                                                                                       | 5197334 | # HOUSING (2:1 RED.) .....                      |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5196284 | HOUSING (2.5:1 & 3:1 RED.) .....                |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B                                                                                                                                                                                    | 103891  | PLUG, 5/8" EXPANSION (12.9330) .....            |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 186619  | BOLT, 3/8"-16X1 1/8" (12.9001) .....            |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 427567  | BOLT, 7/16"-14X1 3/4" (12.9001) .....           |        |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 103321  | LOCKWASHER, 3/8" (12.9200) .....                |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 103322  | LOCKWASHER, 7/16" (12.9200) .....               |        |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |
| # NOT SERVICED. FOR REPLACEMENT<br>THRU GEAR SERIAL NO. 6443 USE<br>5199427 HOUSING CONVERSION KIT.<br>USE 5199398 HOUSING FOR<br>REPLACEMENT EFFECTIVE WITH GEAR<br>SERIAL NO. 6444. |         |                                                 |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>9.1286 - GASKET, REDUCTION GEAR HOUSING</b>                                                                                                                                        |         |                                                 |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                                                                                                                                                | 5196285 | GASKET .....                                    |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1287 - GEAR, REDUCTION GEAR INPUT</b>                                                                                                                                            |         |                                                 |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                                                    | 5196251 | GEAR (1.5:1 RED.) .....                         |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| <b>9.1288 - PLATE, REDUCTION GEAR PLANETARY<br/>RING GEAR</b>                                                                                                                         |         |                                                 |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5196256 | PLATE (2.5:1 RED.) .....                        |        |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |
| 2D                                                                                                                                                                                    | 5196255 | PLATE (3:1 RED.) .....                          |        |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |



## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>FIG . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . .                                                                                                                                                                              |         |                                                                       | COLUMN |   |   |   |   |   |    |    |    |    |   |   |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------|--------|---|---|---|---|---|----|----|----|----|---|---|---|---|
|                                                                                                                                                                                                                                                |         |                                                                       | A      | B | C | D | E | F | G  | H  | I  | J  | K | L | M | N |
| <b>9.1290 - GEAR, REDUCTION GEAR SUN</b>                                                                                                                                                                                                       |         |                                                                       |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                                                                                             | 5196263 | GEAR (1.5:1 RED.) . . . . .                                           |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                                                                                             | 5196264 | GEAR (2:1 RED.) . . . . .                                             |        |   |   |   | 1 | 1 |    |    |    |    |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5196265 | GEAR (2.5:1 RED.) . . . . .                                           |        |   |   |   |   |   | 1  | 1  |    |    |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5196266 | GEAR (3:1 RED.) . . . . .                                             |        |   |   |   |   |   |    |    | 1  | 1  |   |   |   |   |
| 2C                                                                                                                                                                                                                                             | 5196267 | RING, SNAP (1 27/32" I.D.) . . . . .                                  |        |   |   |   | 1 | 1 |    |    |    |    |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 3709351 | RING, SNAP (1 1/4" I.D.) (9.1027) . . . . .                           |        |   |   |   |   |   | 1  | 1  | 1  | 1  |   |   |   |   |
| 2B                                                                                                                                                                                                                                             | 5196277 | PIN (GEAR DRIVE) . . . . .                                            |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                                                                                             | 5196278 | PIN, ROLL . . . . .                                                   |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| <b>9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY</b>                                                                                                                                                                                           |         |                                                                       |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                                                                                             | 5196268 | GEAR ASSY. (1.5:1 RED.) . . . . .                                     |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                                                                                             | 5196269 | GEAR ASSY. (2:1 RED., L.H.) (2 DRILL<br>SPOTS ON REAR FACE) . . . . . |        |   |   |   | 1 |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                                                                                             | 5196288 | GEAR ASSY. (2:1 RED., R.H.) . . . . .                                 |        |   |   |   |   | 1 |    |    |    |    |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5196270 | * GEAR ASSY. (2.5:1 RED.) (10 SPLINES) . . . . .                      |        |   |   |   |   |   | 1  | 1  |    |    |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5198141 | % GEAR ASSY. (2.5:1 RED.) (24 SPLINES) . . . . .                      |        |   |   |   |   |   | AR | AR |    |    |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5196271 | * GEAR ASSY. (3:1 RED.) (10 SPLINES) . . . . .                        |        |   |   |   |   |   |    |    | 1  | 1  |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5197880 | GEAR ASSY. (3:1 RED.) (24 SPLINES) . . . . .                          |        |   |   |   |   |   |    |    | AR | AR |   |   |   |   |
| 2B                                                                                                                                                                                                                                             | 3709351 | RING, SNAP (1 1/4" I.D.) (9.1027) . . . . .                           |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| * NOT SERVICED; FOR REPLACEMENT<br>USE 5198141 (2.5:1) OR 5197880<br>(3:1) GEAR ASSY. AND INCLUDE<br>1-9422151 BEARING IN 9.1350,<br>1-5198125 FLANGE IN 9.1430 AND<br>1-5198128 NUT IN 9.1435.<br>% NOT SERVICED, FOR SERVICE USE<br>5196544. |         |                                                                       |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| <b>9.1293 - WASHER, REDUCTION GEAR PLANETARY GEAR THRUST</b>                                                                                                                                                                                   |         |                                                                       |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                                                                                             | 5196279 | WASHER (2:1 RED.) . . . . .                                           |        |   |   |   | 2 | 2 |    |    |    |    |   |   |   |   |
| <b>9.1298 - GEAR, REDUCTION GEAR PLANETARY RING</b>                                                                                                                                                                                            |         |                                                                       |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                                                                                                                         | 5196252 | GEAR (1.5:1, 2:1, 3:1 RED.) . . . . .                                 |        |   | 1 | 1 | 1 | 1 |    |    | 1  | 1  |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5196257 | GEAR (2.5:1 RED.) . . . . .                                           |        |   |   |   |   |   | 1  | 1  |    |    |   |   |   |   |
| 2B,C,D                                                                                                                                                                                                                                         | 5196253 | RING, SNAP (6 1/4" O.D.) . . . . .                                    |        |   | 1 | 1 | 1 | 1 |    |    | 1  | 1  |   |   |   |   |
| 2D                                                                                                                                                                                                                                             | 5196258 | RING, SNAP (6 17/32" O.D.) . . . . .                                  |        |   |   |   |   |   | 1  | 1  |    |    |   |   |   |   |
| <b>9.1340 - SHAFT, REDUCTION GEAR DRIVE</b>                                                                                                                                                                                                    |         |                                                                       |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B                                                                                                                                                                                                                                             | 5196276 | SHAFT (1.5:1 RED.) . . . . .                                          |        |   | 1 | 1 |   |   |    |    |    |    |   |   |   |   |
| 2C                                                                                                                                                                                                                                             | 5196273 | SHAFT ASSY. (INCLUDES BUSHING) (2:1<br>RED.) . . . . .                |        |   |   |   | 1 | 1 |    |    |    |    |   |   |   |   |
|                                                                                                                                                                                                                                                | 5199829 | BUSHING (2:1 RED.) (9.1087) . . . . .                                 |        |   |   |   | 1 | 1 |    |    |    |    |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>FIG . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . . |                |                                                                      | COLUMN |   |   |   |   |   |    |    |    |    |   |   |   |   |
|-------------------------------------------------------------------|----------------|----------------------------------------------------------------------|--------|---|---|---|---|---|----|----|----|----|---|---|---|---|
|                                                                   |                |                                                                      | A      | B | C | D | E | F | G  | H  | I  | J  | K | L | M | N |
| <b>9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT</b>              |                |                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                                   | <b>9414818</b> | BEARING . . . . .                                                    | 1      | 1 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                            | <b>9413343</b> | @ BEARING . . . . .                                                  |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2D                                                                | <b>9422151</b> | BEARING . . . . .                                                    |        |   |   |   |   |   | AR | AR | AR | AR |   |   |   |   |
|                                                                   |                | @ WITH 10 SPLINE GEAR IN 9.1292.                                     |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                                   |                | # WITH 24 SPLINE GEAR IN 9.1292.                                     |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| <b>9.1365 - COVER, REDUCTION GEAR BEARING</b>                     |                |                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                                   | <b>5196765</b> | COVER . . . . .                                                      | 1      | 1 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                            | <b>5196286</b> | COVER . . . . .                                                      |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
|                                                                   | <b>454933</b>  | BOLT, 7/16"-14X1 1/8" (12.9001) . . . . .                            | 6      | 6 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                            | <b>193221</b>  | BOLT, 7/16"-14X1 1/4" (12.9001) . . . . .                            |        |   | 6 | 6 | 6 | 6 | 6  | 6  | 6  | 6  |   |   |   |   |
| 2B,C,D                                                            | <b>103322</b>  | LOCKWASHER, 7/16" (12.9200) . . . . .                                | 6      | 6 | 6 | 6 | 6 | 6 | 6  | 6  | 6  | 6  |   |   |   |   |
| <b>9.1370 - GASKET, REDUCTION GEAR BEARING COVER</b>              |                |                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                                   | <b>5196766</b> | GASKET . . . . .                                                     | 1      | 1 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                            | <b>5196287</b> | GASKET . . . . .                                                     |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL</b>            |                |                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                            | <b>5199391</b> | SEAL, OIL (DOUBLE LIP) . . . . .                                     | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1380 - BAFFLE, MARINE GEAR OIL</b>                           |                |                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A                                                                | <b>5196175</b> | BAFFLE . . . . .                                                     | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1395 - DIPSTICK, REDUCTION GEAR</b>                          |                |                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A                                                                | <b>5196176</b> | % DIPSTICK (FILLER CAP) (WITH HOUSING 5196966 OR 5196731) . . . . .  | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
|                                                                   | <b>5133364</b> | * DIPSTICK (FILLER PLUG) (WITH HOUSING 5198095 OR 5198096) . . . . . | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
|                                                                   |                | * NOT SERVICED, USE 5149100 PLUS 1-5149061 ADAPTOR.                  |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                                   |                | % OBSOLETE.                                                          |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| <b>9.1410 - TUBE, REDUCTION GEAR OIL FILLER</b>                   |                |                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|                                                                   | <b>5196174</b> | TUBE (WITH FILLER CAP TYPE DIPSTICK) . . . . .                       | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| <b>9.1430 - FLANGE, PROPELLER DRIVE</b>                           |                |                                                                      |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D                                                            | <b>5196745</b> | * FLANGE (4 1/4"B.C.) . . . . .                                      | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2D                                                                | <b>5198125</b> | @ FLANGE (4 1/4"B.C., 24 SPLINES) . . . . .                          |        |   |   |   |   |   | AR | AR | AR | AR |   |   |   |   |
|                                                                   |                | * WITH 10 SPLINE GEAR ASSY. IN 9.1292.                               |        |   |   |   |   |   |    |    |    |    |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART     |         |                                                              | COLUMN |   |   |   |   |   |    |    |    |    |   |   |   |   |
|----------|---------|--------------------------------------------------------------|--------|---|---|---|---|---|----|----|----|----|---|---|---|---|
| ..FIG .. | NUMBER  | NAME AND DESCRIPTION                                         | A      | B | C | D | E | F | G  | H  | I  | J  | K | L | M | N |
|          |         | <b>9.1430 - FLANGE, PROPELLER DRIVE (CONT'D)</b>             |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|          |         | @ WITH 24 SPLINE GEAR ASSY. IN 9.1292.                       |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|          |         | <b>9.1435 - NUT, PROPELLER DRIVE FLANGE</b>                  |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2B,C,D   | 5196805 | * NUT .....                                                  | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2D       | 5198128 | @ NUT .....                                                  |        |   |   |   |   |   | AR | AR | AR | AR |   |   |   |   |
|          |         | * WITH 10 SPLINE GEAR ASSY. IN 9.1292.                       |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|          |         | @ WITH 24 SPLINE GEAR ASSY. IN 9.1292.                       |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
|          |         | <b>9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL</b>        |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A       | 5196214 | PUMP ASSY. (INCLUDES SCREW IN 9.1475 & SEAL IN 9.1505) ..... | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A       | 431787  | KEY, 3/16"X5/8" WOODRUFF (12.9350) .....                     | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A       | 110533  | SCREW, #10-24X3/4" FL. HD. SL. (12.9030) .....               | 2      | 2 | 2 | 2 | 2 | 2 | 2  | 2  | 2  | 2  |   |   |   |   |
| 2A       | 186648  | BOLT, 5/16"-18X1 7/8" (12.9001) .....                        | 4      | 4 | 4 | 4 | 4 | 4 | 4  | 4  | 4  | 4  |   |   |   |   |
|          |         | <b>9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP</b>       |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A       | 5196216 | GASKET .....                                                 | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
|          |         | <b>9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP</b>         |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A       | 5196215 | SEAL, OIL .....                                              | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
|          |         | <b>9.1650 - STRAINER, MARINE GEAR OIL</b>                    |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A       | 5196883 | STRAINER .....                                               | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A       | 120428  | GASKET, 1" ANNULAR (12.9360) .....                           | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A       | 5145014 | PLUG, 3/8" PIPE (12.9550) .....                              | 1      | 1 |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A       | 453006  | PLUG, 1" PIPE (12.9550) .....                                |        |   | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A       | 5196890 | BUSHING, REDUCING .....                                      | 1      | 1 |   |   |   |   |    |    |    |    |   |   |   |   |
|          |         | <b>9.1840 - BREATHER, MARINE GEAR</b>                        |        |   |   |   |   |   |    |    |    |    |   |   |   |   |
| 2A       | 5198454 | BREATHER (.338" DRIVE TYPE) .....                            | 1      | 1 | 1 | 1 | 1 | 1 |    |    |    |    |   |   |   |   |
| 2A       | 5196177 | BREATHER (3/8"-18 THREAD) .....                              | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A       | 5197510 | BREATHER (1/2" DRIVE TYPE) .....                             | 1      | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                            |         |                                                                                                                                                                              | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                             | NUMBER  | NAME AND DESCRIPTION                                                                                                                                                         | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1001 - GEAR ASSY., HYDRAULIC MARINE                           |         |                                                                                                                                                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                 | 5129545 | # GEAR ASSY. (DIRECT DRIVE, L.H.)                                                                                                                                            | 1      |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                 | 5129550 | # GEAR ASSY. (DIRECT DRIVE, R.H.)                                                                                                                                            |        | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 1A,B                                                            | 5129546 | # GEAR ASSY. (1.5:1 RED., L.H.)                                                                                                                                              |        |   | 1 |   |   |   |   |   |   |   |   |   |   |   |
| 1A,B                                                            | 5129551 | # GEAR ASSY. (1.5:1 RED., R.H.)                                                                                                                                              |        |   |   | 1 |   |   |   |   |   |   |   |   |   |   |
| 1A,B                                                            | 5129547 | # GEAR ASSY. (2:1 RED., L.H.)                                                                                                                                                |        |   |   |   | 1 |   |   |   |   |   |   |   |   |   |
| 1A,B                                                            | 5129552 | # GEAR ASSY. (2:1 RED., R.H.)                                                                                                                                                |        |   |   |   |   | 1 |   |   |   |   |   |   |   |   |
| 1A,B                                                            | 5129548 | # GEAR ASSY. (2.5:1 RED., L.H.)                                                                                                                                              |        |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
| 1A,B                                                            | 5129553 | # GEAR ASSY. (2.5:1 RED., R.H.)                                                                                                                                              |        |   |   |   |   |   |   | 1 |   |   |   |   |   |   |
| 1A,B                                                            | 5129549 | # GEAR ASSY. (3:1 RED., L.H.)                                                                                                                                                |        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| 1A,B                                                            | 5129554 | # GEAR ASSY. (3:1 RED., R.H.)                                                                                                                                                |        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |
|                                                                 |         | # NOT SERVICED; SHOWN FOR<br>REFERENCE ONLY.                                                                                                                                 |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 9.1007 - ADAPTOR, MARINE GEAR HOUSING                           |         |                                                                                                                                                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                              | 5198322 | @ ADAPTOR ASSY. (INCLUDES BEARING)                                                                                                                                           | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |
| 2A                                                              | 5196179 | * ADAPTOR ASSY. (INCLUDES BEARING)                                                                                                                                           | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                              | 465724  | BEARING (NEEDLE)                                                                                                                                                             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                                                              | 5121182 | PLUG, 1/4" PIPE (2.4015)                                                                                                                                                     | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
| 2A                                                              | 5197537 | BOLT, 3/8"-16X1 1/4" 12 PT. HD.<br>@ EFF. WITH GEAR SERIAL NO. 4351<br>(D.D.); 1850 (1.5:1), 2261 (2:1).<br>* THRU GEAR SERIAL NO. 4350 (D.D.);<br>1894 (1.5:1), 2620 (2:1). | 4      | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |
| 9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR                    |         |                                                                                                                                                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                              | 5196181 | GASKET                                                                                                                                                                       | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 9.1010 - HOUSING, MARINE GEAR                                   |         |                                                                                                                                                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| A HOUSING ASSY. INCLUDES BUSHING<br>IN 9.1010 & TUBE IN 9.1410. |         |                                                                                                                                                                              |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                              | 5196731 | & HOUSING ASSY. (DIRECT DRIVE)                                                                                                                                               | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                              | 5198095 | % & HOUSING ASSY. (DIRECT DRIVE)                                                                                                                                             | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                              | 5196966 | = HOUSING ASSY. (REDUCTION DRIVE)                                                                                                                                            |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |
| 2A                                                              | 5198096 | % HOUSING ASSY. (REDUCTION DRIVE)                                                                                                                                            |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
| 2A                                                              | 5196511 | BUSHING (OUTPUT SHAFT)                                                                                                                                                       | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |
| 2A                                                              | 5145009 | PLUG, 1/8" PIPE (12.9550)                                                                                                                                                    | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
| 2A                                                              | 5145014 | PLUG, 3/8" PIPE (12.9550)                                                                                                                                                    | 2      | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |
|                                                                 | 9421745 | PLUG (1/2" CUP) (12.9330)<br>& OBSOLETE.                                                                                                                                     |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

PART  
 .FIG . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . .

| PART |         |                                                                                                    | COLUMN |    |    |    |    |    |    |    |    |    |   |   |   |   |
|------|---------|----------------------------------------------------------------------------------------------------|--------|----|----|----|----|----|----|----|----|----|---|---|---|---|
| FIG  | NUMBER  | NAME AND DESCRIPTION                                                                               | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K | L | M | N |
|      |         | 9.1010 - HOUSING, MARINE GEAR<br>(CONT'D)                                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
|      |         | % EFF. WITH GEAR SERIAL NOS. 16338<br>(D.D.), 883 (1.5 1), 672 (2 1), 1614 (2.5<br>1) & 367 (3 1). |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
|      |         | = NOT SERVICED REPLACE WITH<br>5198096 HOUSING, 5149100<br>DIPSTICK & 5149061 ADAPTOR.             |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
|      |         | 9.1026 - SHAFT, MARINE GEAR INPUT                                                                  |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A   | 5198371 | SHAFT .....                                                                                        | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|      |         | 9.1027 - BEARING, MARINE GEAR INPUT SHAFT                                                          |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A   | 9416195 | BEARING .....                                                                                      | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A   | 5196543 | RING, SNAP (1 29/64" I.D.) .....                                                                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A   | 5196545 | RING, SNAP (2 29/64" I.D.) .....                                                                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|      |         | 9.1030 - PISTON, REVERSE CLUTCH                                                                    |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A   | 5196183 | PISTON .....                                                                                       | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|      |         | 9.1035 - SEAL, REVERSE CLUTCH PISTON                                                               |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A   | 5196188 | SEAL RING (3 1/2" DIA.) .....                                                                      | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
| 2A   | 5196180 | SEAL RING (7 1/2" DIA.) .....                                                                      | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|      |         | 9.1045 - PLATE, REVERSE CLUTCH                                                                     |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A   | 5196730 | PLATE (SPLINED) .....                                                                              | 2      | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |   |   |   |   |
| 2A   | 5196303 | PLATE .....                                                                                        | 1      | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |   |   |   |   |
|      |         | 9.1055 - SPRING, REVERSE CLUTCH RELEASE                                                            |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A   | 5196186 | SPRING .....                                                                                       | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |   |   |   |   |
|      |         | 9.1060 - PLATE, REVERSE CLUTCH REACTION                                                            |        |    |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A   | 5196184 | PLATE .....                                                                                        | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |   |   |
|      | 3712718 | PIN (6.23"L) .....                                                                                 | 3      | 3  |    |    |    |    |    |    |    |    |   |   |   |   |
| 2A   | 5196733 | PIN (27/32"L) .....                                                                                |        |    | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                               |         |                                                    | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------------------------|---------|----------------------------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                | NUMBER  | NAME AND DESCRIPTION                               | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1080 - GEAR ASSY., MARINE GEAR PLANETARY         |         |                                                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| INCLUDES BUSHINGS IN 9.1087.                       |         |                                                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                 | 5196550 | GEAR ASSY. (DIRECT DRIVE)                          | 1      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                 | 5196801 | GEAR ASSY. (1.5:1 RED.)                            |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2A                                                 | 5196544 | GEAR ASSY. (2:1 RED.)                              |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2A                                                 | 5196804 | GEAR ASSY. (2.5:1 & 3:1 RED.)                      |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST |         |                                                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                 | 5196211 | WASHER (1 3/4"O.D.)                                | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                 | 5196213 | WASHER (2 5/8"O.D.)                                |        |   | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |
| 9.1087 - BEARING, MARINE GEAR PLANETARY GEAR       |         |                                                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                 | 5199063 | BEARING (1.5:1 RED.)                               |        |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |
| 2D                                                 | 5197342 | BEARING (2.5:1 & 3:1 RED.) (9.1350)                |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2D                                                 | 5196259 | RING, SNAP (1 27/64" DIA.)                         |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B                                                 | 5196254 | RING, SNAP (2 1/16" DIA.)                          |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
|                                                    | 5199829 | BUSHING                                            | 2      | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |   |
| 9.1091 - GEAR, MARINE GEAR PLANETARY RING          |         |                                                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                 | 5196549 | GEAR                                               | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                 | 5196199 | RING, SNAP (5 7/8"O.D.)                            | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 9.1135 - VALVE ASSY., SELECTOR                     |         |                                                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                 | 5196217 | VALVE ASSY. (INCLUDES ITEMS IN 9.1137 THRU 9.1160) | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 9.1137 - VALVE, SELECTOR                           |         |                                                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                 | 5196218 | VALVE                                              | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 9.1155 - SPRING, SELECTOR VALVE                    |         |                                                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                 | 5196219 | SPRING                                             | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                 | 5196220 | RETAINER, SPRING                                   | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                 | 5196212 | RING, SNAP                                         | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 9.1160 - SEAL, SELECTOR VALVE OIL                  |         |                                                    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2A                                                 | 5196222 | SEAL RING                                          | 1      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART<br>FIG . . . NUMBER . . . . . NAME AND DESCRIPTION . . . . . |                |                                            | COLUMN |   |    |    |    |    |   |   |   |   |   |   |   |   |
|-------------------------------------------------------------------|----------------|--------------------------------------------|--------|---|----|----|----|----|---|---|---|---|---|---|---|---|
|                                                                   |                |                                            | A      | B | C  | D  | E  | F  | G | H | I | J | K | L | M | N |
| <b>9.1175 - LEVER, SELECTOR VALVE</b>                             |                |                                            |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                                | <b>5197136</b> | LEVER . . . . .                            | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>5196221</b> | SPRING (DETENT) . . . . .                  | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>104919</b>  | BALL, 5/16" DIA. STEEL (12.9670) . . . . . | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>103340</b>  | WASHER, 5/16" FLAT (12.9190) . . . . .     | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>108579</b>  | LOCKWASHER, 5/16" (12.9200) . . . . .      | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>114493</b>  | NUT, 5/16"-24 (12.9120) . . . . .          | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1178 - COVER, SELECTOR VALVE</b>                             |                |                                            |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                                | <b>5196224</b> | COVER . . . . .                            | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>186630</b>  | BOLT, 1/4"-20X5/8" (12.9001) . . . . .     | 3      | 3 | 3  | 3  | 3  | 3  | 3 | 3 | 3 | 3 |   |   |   |   |
| 2A                                                                | <b>103319</b>  | LOCKWASHER, 1/4" (12.9200) . . . . .       | 3      | 3 | 3  | 3  | 3  | 3  | 3 | 3 | 3 | 3 |   |   |   |   |
| <b>9.1179 - GASKET, SELECTOR VALVE COVER</b>                      |                |                                            |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                                | <b>5196225</b> | GASKET . . . . .                           | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1223 - CYLINDER, FORWARD CLUTCH PISTON</b>                   |                |                                            |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                                | <b>5196546</b> | CYLINDER . . . . .                         | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>5196198</b> | SEAL RING (ON INPUT SHAFT) . . . . .       | 2      | 2 | 2  | 2  | 2  | 2  | 2 | 2 | 2 | 2 |   |   |   |   |
| <b>9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST</b>            |                |                                            |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                                | <b>5196881</b> | WASHER, .063" THICK . . . . .              | 1      | 1 | AR | AR | AR | AR | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>5196882</b> | WASHER, .087" THICK . . . . .              |        |   | AR | AR | AR | AR |   |   |   |   |   |   |   |   |
| <b>9.1225 - PISTON, FORWARD CLUTCH</b>                            |                |                                            |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                                | <b>5196196</b> | PISTON . . . . .                           | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1230 - SEAL, FORWARD CLUTCH PISTON</b>                       |                |                                            |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                                | <b>5196195</b> | SEAL RING, 2.016" I.D. . . . .             | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>5196197</b> | SEAL RING, 4.120" I.D. . . . .             | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| <b>9.1235 - PLATE, FORWARD CLUTCH</b>                             |                |                                            |        |   |    |    |    |    |   |   |   |   |   |   |   |   |
| 2A                                                                | <b>5196202</b> | PLATE (INNER) . . . . .                    | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>5196205</b> | PLATE (OUTER) . . . . .                    | 1      | 1 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1 |   |   |   |   |
| 2A                                                                | <b>5197160</b> | PLATE . . . . .                            | 7      | 7 | 7  | 7  | 7  | 7  | 7 | 7 | 7 | 7 |   |   |   |   |

## 9.1000A HYDRAULIC MARINE GEAR

| PART                                                 |                |                                                                                                                              | COLUMN |    |    |    |    |    |    |    |    |    |    |    |   |   |
|------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------|--------|----|----|----|----|----|----|----|----|----|----|----|---|---|
| FIG                                                  | NUMBER         | NAME AND DESCRIPTION                                                                                                         | A      | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L  | M | N |
| <b>9.1235 - PLATE, FORWARD CLUTCH (CONT'D)</b>       |                |                                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2A                                                   | <b>5196203</b> | PLATE (STEEL) .....                                                                                                          | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |   |   |
|                                                      | <b>5196770</b> | SHIM (SNAP RING) (.050") .....                                                                                               | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |
|                                                      | <b>5196771</b> | SHIM (SNAP RING) (.075") .....                                                                                               | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |
|                                                      | <b>5196772</b> | SHIM (SNAP RING) (.100") .....                                                                                               | AR     | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |   |   |
| <b>9.1240 - SPRING, FORWARD CLUTCH RELEASE</b>       |                |                                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2A                                                   | <b>5196201</b> | SPRING .....                                                                                                                 | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |
| 2A                                                   | <b>5196200</b> | RING, SNAP (3" DIA.) .....                                                                                                   | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |
| 2A                                                   | <b>5196209</b> | RING, SNAP (5 1/2" DIA.) .....                                                                                               | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |
| <b>9.1242 - HUB, FORWARD CLUTCH</b>                  |                |                                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2A                                                   | <b>5196547</b> | HUB .....                                                                                                                    | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |
| 2A                                                   | <b>5196207</b> | RING, SNAP (1 21/32" DIA.) .....                                                                                             | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |
| 2A                                                   | <b>124553</b>  | KEY, 1/4"X1" WOODRUFF (12.9350) .....                                                                                        | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |   |   |
| <b>9.1282 - PLATE, REDUCTION GEAR ADAPTOR</b>        |                |                                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2B                                                   | <b>5199039</b> | * PLATE (1.5:1 RED.) .....                                                                                                   |        |    | 1  | 1  |    |    |    |    |    |    |    |    |   |   |
| 2C                                                   | <b>5197335</b> | PLATE (2:1 RED.) .....                                                                                                       |        |    |    |    | 1  | 1  |    |    |    |    |    |    |   |   |
| 2C                                                   | <b>5196247</b> | @ PLATE (2:1 RED.) .....                                                                                                     |        |    |    |    | 1  | 1  |    |    |    |    |    |    |   |   |
| 2D                                                   | <b>5196248</b> | @ PLATE (2.5:1 & 3:1 RED.) .....                                                                                             |        |    |    |    |    |    | 1  | 1  | 1  | 1  |    |    |   |   |
| 2D                                                   | <b>5197338</b> | PLATE (2.5:1 & 3:1 RED.) .....                                                                                               |        |    |    |    |    |    | 1  | 1  | 1  | 1  |    |    |   |   |
| 2B                                                   | <b>5199060</b> | BOLT, SPECIAL 7/16"-14X1" (NYLON INSERT) .....                                                                               |        |    | 6  | 6  | 6  | 6  |    |    |    |    |    |    |   |   |
| 2D                                                   | <b>5199061</b> | BOLT, 7/16"-14X1 1/4" (NYLON INSERT) .....                                                                                   |        |    |    |    |    |    | 6  | 6  | 6  | 6  |    |    |   |   |
| 2B                                                   | <b>114607</b>  | LOCKWASHER, 7/16" EXT. TOOTH (12.9210) .....                                                                                 |        |    | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |    |    |   |   |
|                                                      |                | * REQUIRES 5199063 BEARING IN 9.1087.                                                                                        |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
|                                                      |                | @ THRU GEAR SERIAL NO. 3529 (2:1 RED.), 3995 (2.5:1 RED.). USE SECOND PLATE SHOWN IN SAME COLUMN AFTER THESE SERIAL NUMBERS. |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <b>9.1283 - GASKET, REDUCTION GEAR ADAPTOR PLATE</b> |                |                                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2B,C,D                                               | <b>5196260</b> | GASKET .....                                                                                                                 |        |    | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |    |   |   |
| <b>9.1285 - HOUSING, REDUCTION GEAR</b>              |                |                                                                                                                              |        |    |    |    |    |    |    |    |    |    |    |    |   |   |
| 2B                                                   | <b>5197333</b> | HOUSING (1.5:1 RED.) .....                                                                                                   |        |    | 1  | 1  |    |    |    |    |    |    |    |    |   |   |
| 2B                                                   | <b>5196282</b> | & HOUSING (1.5:1 RED.) .....                                                                                                 |        |    | 1  | 1  |    |    |    |    |    |    |    |    |   |   |
| 2C                                                   | <b>5196283</b> | # HOUSING (2:1 RED.) .....                                                                                                   |        |    |    |    | 1  | 1  |    |    |    |    |    |    |   |   |



## 9.1000A HYDRAULIC MARINE GEAR

PART  
 ..FIG ... NUMBER ..... NAME AND DESCRIPTION .....

| PART                                                                                                                                                        |         |                                   | COLUMN |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FIG                                                                                                                                                         | NUMBER  | NAME AND DESCRIPTION              | A      | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 9.1285 - HOUSING, REDUCTION GEAR (CONT'D)                                                                                                                   |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                                                                                                             | 5197334 | # HOUSING (2:1 RED.)              |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                          | 5196284 | & HOUSING (2.5:1 & 3:1 RED.)      |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B                                                                                                                                                          | 5197337 | HOUSING (2.5:1 & 3:1 RED.)        |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B                                                                                                                                                          | 103891  | PLUG, 5/8" EXPANSION (12.9330)    |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                          | 186619  | BOLT, 3/8"-16X1 1/8" (12.9001)    |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   |   |
| 2B                                                                                                                                                          | 427567  | BOLT, 7/16"-14X1 3/4" (12.9001)   |        |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |
| 2B                                                                                                                                                          | 103321  | LOCKWASHER, 3/8" (12.9200)        |        |   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |   |   |
| 2B                                                                                                                                                          | 103322  | LOCKWASHER, 7/16" (12.9200)       |        |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |   |
| & THRU GEAR SERIAL NO. 2562 (1.5:1), 3995 (2.5:1 RED.). USE SECOND HSG. SHOWN IN SAME COLUMN AFTER THESE SERIAL NOS.                                        |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| # NOT SERVICED; FOR REPLACEMENT THRU GEAR SERIAL NO. 6443 USE 5199427 HSG. CONVERSION KIT. USE 5199438 HSG. FOR REPLACEMENT EFF. WITH GEAR SERIAL NO. 6444. |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 9.1286 - GASKET, REDUCTION GEAR HOUSING                                                                                                                     |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B,C,D                                                                                                                                                      | 5196285 | GASKET                            |        |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   |   |
| 9.1287 - GEAR, REDUCTION GEAR INPUT                                                                                                                         |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                          | 5196251 | GEAR (1.5:1 RED.)                 |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR                                                                                                          |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                          | 5196256 | PLATE (2.5:1 RED.)                |        |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |
| 2D                                                                                                                                                          | 5196255 | PLATE (3:1 RED.)                  |        |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |
| 9.1290 - GEAR, REDUCTION GEAR SUN                                                                                                                           |         |                                   |        |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                          | 5196263 | GEAR (1.5:1 RED.)                 |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2C                                                                                                                                                          | 5196264 | GEAR (2:1 RED.)                   |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                          | 5196265 | GEAR (2.5:1 RED.)                 |        |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |
| 2D                                                                                                                                                          | 5196266 | GEAR (3:1 RED.)                   |        |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |
| 2C                                                                                                                                                          | 5196267 | RING, SNAP (1 27/32" I.D.)        |        |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |
| 2D                                                                                                                                                          | 3709351 | RING, SNAP (1 1/4" I.D.) (9.1027) |        |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   |   |
| 2B                                                                                                                                                          | 5196277 | PIN (GEAR DRIVE)                  |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| 2B                                                                                                                                                          | 5196278 | PIN, ROLL                         |        |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |