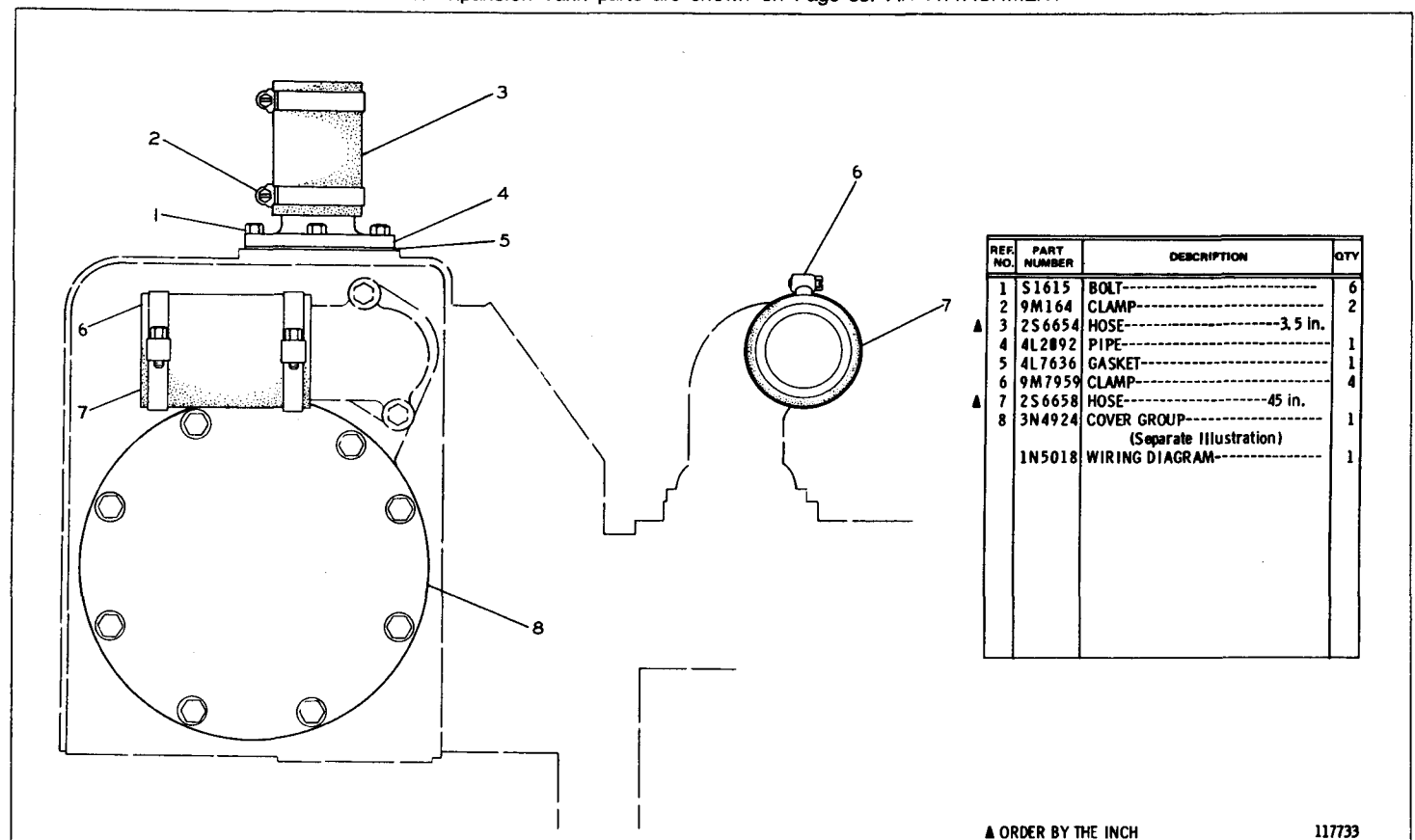
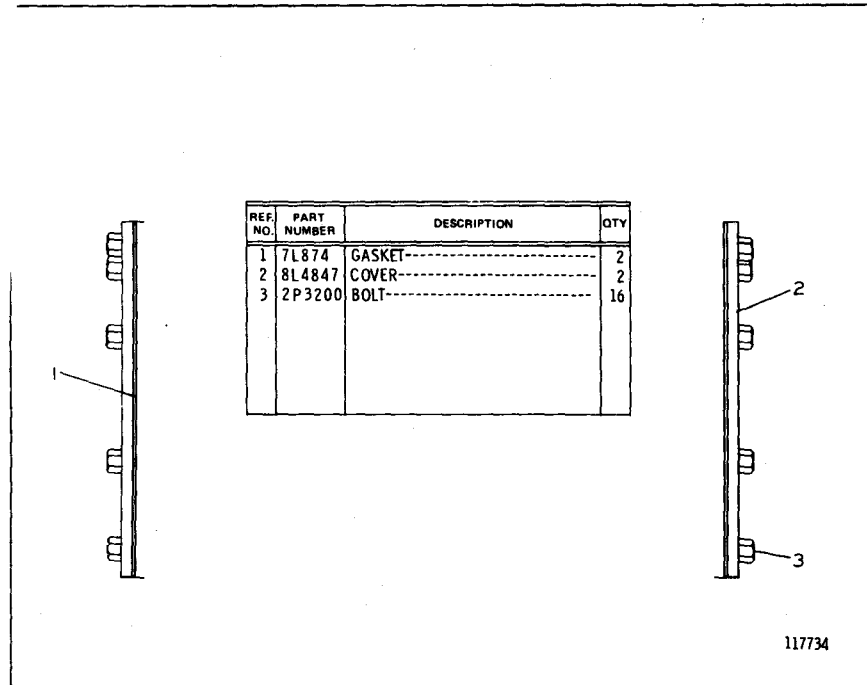


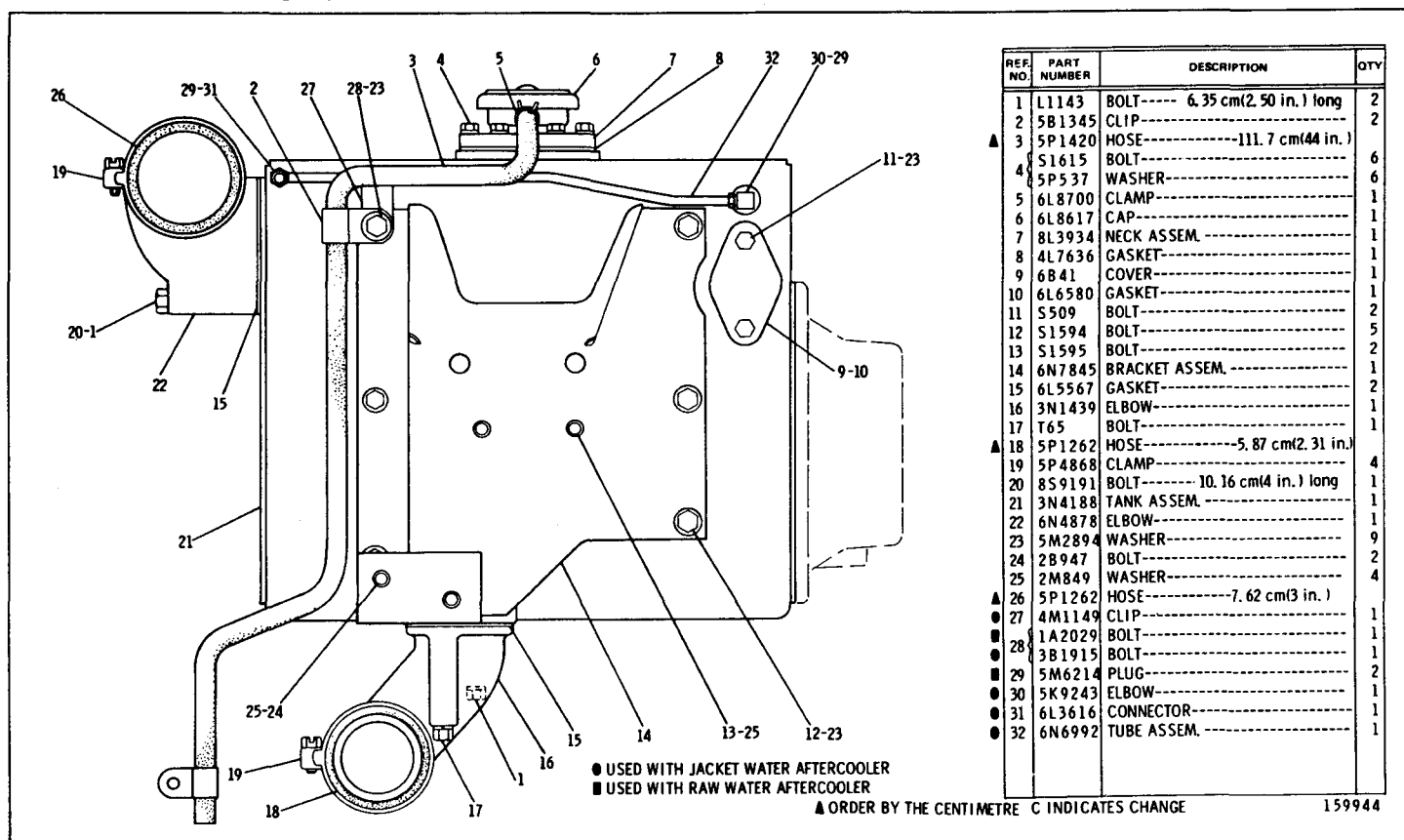
3N4921 WATER LINES GROUP—Keel Cooling
FOR USE WITH MARINE AUXILIARY ENGINE
3N4924 Expansion Tank parts are shown on Page 58. AN ATTACHMENT





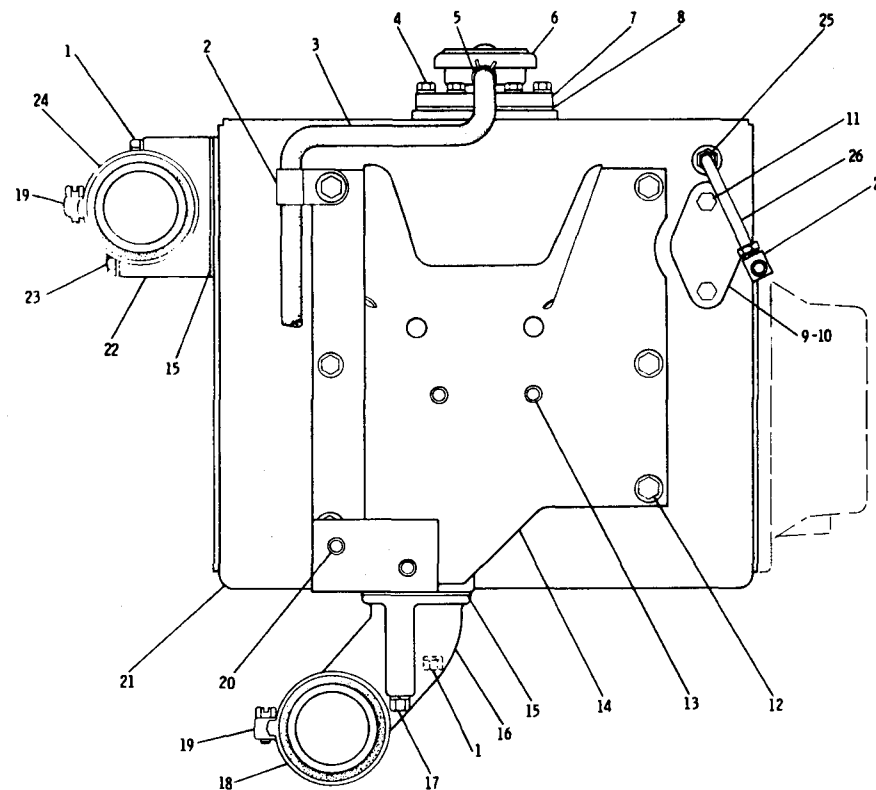
3N4924 EXPANSION TANK COVER GROUP
FOR USE WITH EXPANSION TANK AND WITHOUT HEAT EXCHANGER
Also part of 3N4921 Water Lines Group shown on Page 57
AN ATTACHMENT

6N6082 EXAPNSION TANK GROUP
Serial No. 66D17936-Up
FOR USE WITH AFTERCOOLED ENGINES WITH WATERCOOLED MANIFOLDS



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	L1143	BOLT----- 6.35 cm(2.50 in.) long	2
2	5B1345	CLIP-----	2
3	5P1420	HOSE-----111.7 cm(44 in.)	1
4	S1615	BOLT-----	6
5	5P537	WASHER-----	6
6	6L8700	CLAMP-----	1
7	6L8617	CAP-----	1
8	8L3934	NECK ASSEM.-----	1
9	4L7636	GASKET-----	1
10	6B41	COVER-----	1
11	6L6580	GASKET-----	1
12	S509	BOLT-----	2
13	S1594	BOLT-----	5
14	S1595	BOLT-----	2
15	6N7845	BRACKET ASSEM.-----	1
16	6L5567	GASKET-----	2
17	3N1439	ELBOW-----	1
18	T65	BOLT-----	1
19	5P1262	HOSE-----5.87 cm(2.31 in.)	1
20	5P4868	CLAMP-----	4
21	8S9191	BOLT-----10.16 cm(4 in.) long	1
22	3N4188	TANK ASSEM.-----	1
23	6N4878	ELBOW-----	1
24	5M2894	WASHER-----	9
25	2B947	BOLT-----	2
26	2M849	WASHER-----	4
27	5P1262	HOSE-----7.62 cm(3 in.)	1
28	4M1149	CLIP-----	1
29	1A2029	BOLT-----	1
30	3B1915	BOLT-----	1
31	5M6214	PLUG-----	2
32	5K9243	ELBOW-----	1
	6L3616	CONNECTOR-----	1
	6N6992	TUBE ASSEM.-----	1

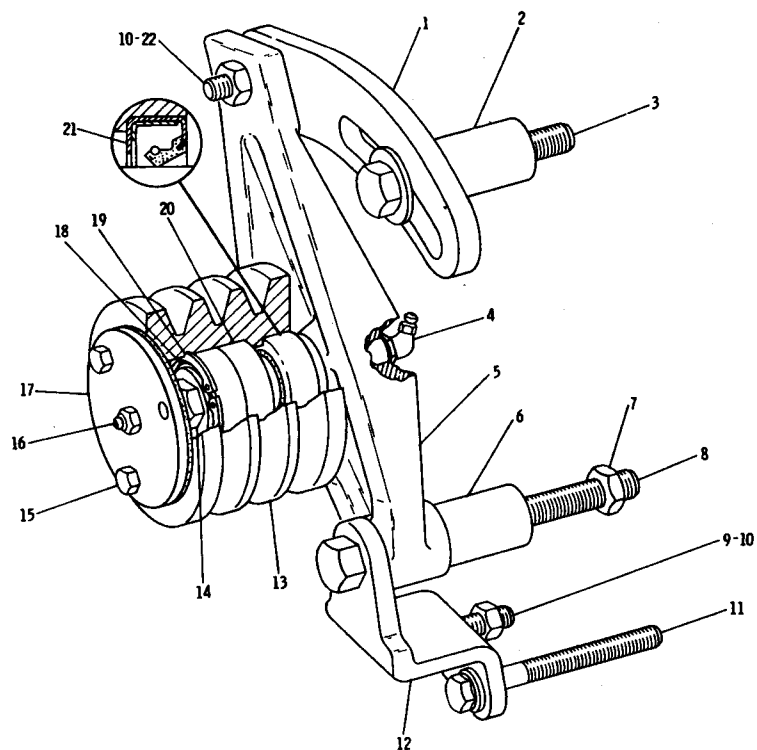
3N3269 EXPANSION TANK GROUP
FOR USE WITH NATURALLY ASPRIATED, TURBOCHARGED ENGINES
FOR USE WITH OR WITHOUT HEAT EXCHANGERS
FOR USE WITH 3N3279 OR 3N4926 HOUSING AND REGULATOR GROUPS AND 3N2850 WATER PUMP GROUP
AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
C 1	2P3208	BOLT-----2.50 in. (6.35 cm) long	2
2	5B1345	CLIP-----	3
C 3	5P1420	HOSE-----111.7 cm (44 in.)	6
4	51615	BOLT-----	6
5	3B4504	LOCKWASHER-----	1
6	6L8700	CLAMP-----	1
7	6L8617	CAP-----	1
8	8L3934	NECK ASSEM.-----	1
9	4L7636	GASKET-----	1
10	6B41	COVER-----	1
11	6L6580	GASKET-----	1
12	2P3200	BOLT-----	2
C 12	2P3201	BOLT-----1 in. (2.54 cm) long	6
13	51621	BOLT-----	2
14	3N2396	BRACKET ASSEM.-----	1
15	6L5567	GASKET-----	2
16	3N1439	ELBOW-----	1
17	2P3211	BOLT-----3.50 in. (8.89 cm) long	1
C 18	5P1262	HOSE-----6.09 cm (2.4 in.)	4
19	9M7959	CLAMP-----	2
20	1A1460	BOLT-----	1
21	3N4188	TANK ASSEM.-----	1
22	1S4662	ELBOW-----	1
23	2P1301	BOLT-----	1
24	5P1262	HOSE-----7.62 cm (3 in.)	1
25	5M6214	PLUG-----	1
		(Used Without Water Cooled Manifold)	
C 25	6L3616	CONNECTOR-----	1
		(Used With Water Cooled Manifold)	
C 26	3N2442	TUBE ASSEM.-----	1
C 27	5K9243	ELBOW-----	1
		(Used With Water Cooled Manifold)	

▲ ORDER BY THE CENTIMETRE
C INDICATES CHANGE

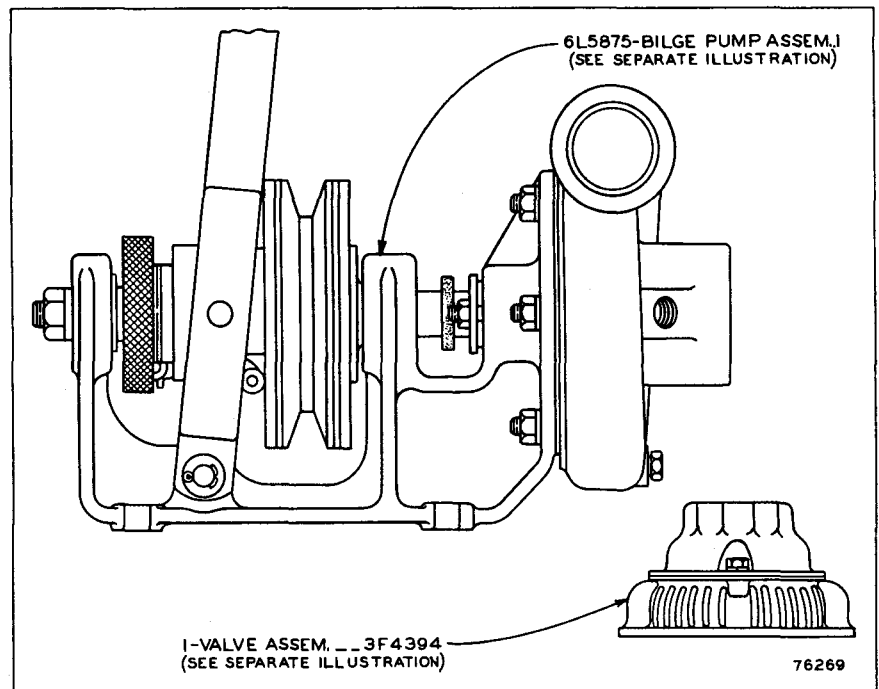
203040



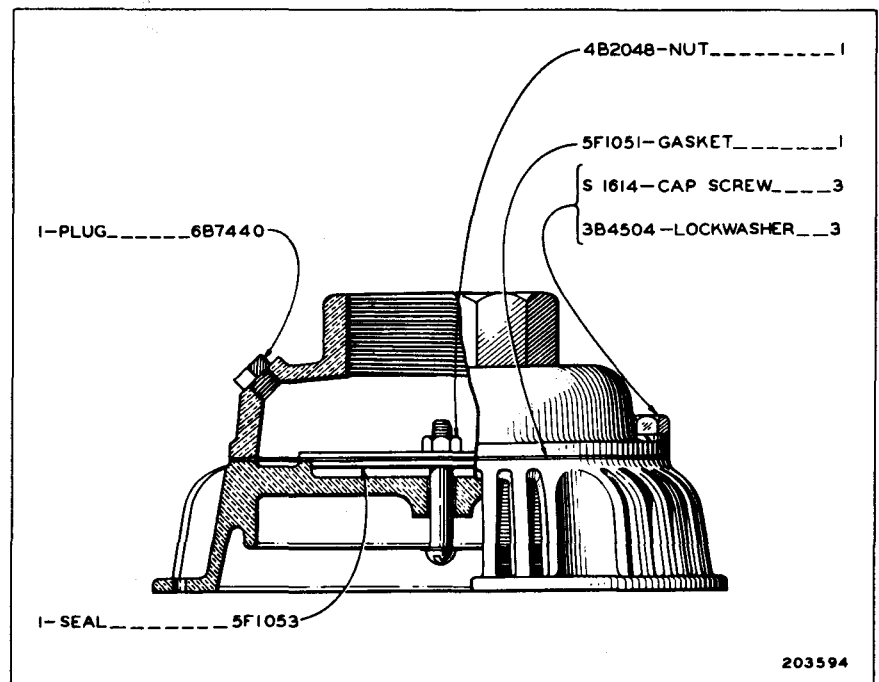
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8S4182	STRAP-----	1
2	1F1560	SPACER-----	1
3	V375	BOLT-----	1
4	2M849	WASHER-----	1
5	3B8485	FITTING-----	1
6	2N1334	BRACKET ASSEM.-----	1
7	4J9683	SPACER-----	1
8	1D4719	NUT-----	1
9	2H6488	BOLT-----	1
10	2P3202	BOLT-----	1
11	1D4717	NUT-----	2
12	2P3210	BOLT-----	1
13	3N2705	BRACKET-----	1
14	2N1331	PULLEY-----	1
15	5M9788	NUT-----	1
16	310215	BOLT-----	3
17	4B4550	FITTING-----	1
18	2N1983	PLATE-----	1
19	2N1330	GASKET-----	1
20	4B4280	WASHER-----	1
21	3K9879	RING-----	1
22	6B924	BEARING-----	2
	2B50	SEAL-----	1
	S1591	BOLT-----	1
	8M9024	WASHER-----	1

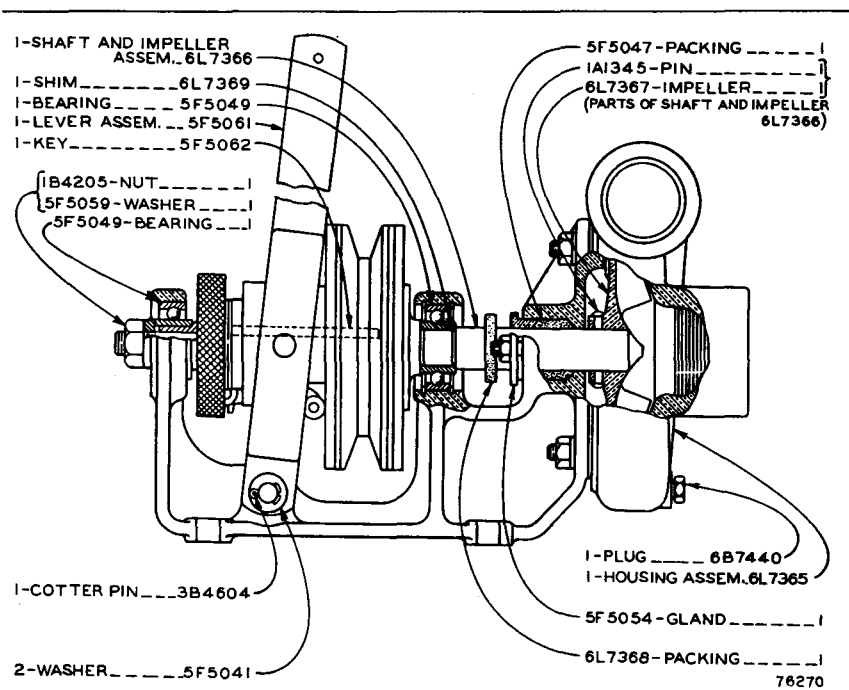
117859

3N2755 BELT TIGHTENER GROUP
FOR USE WITH FAN DRIVE AND WITHOUT ALTERNATOR
AN ATTACHMENT

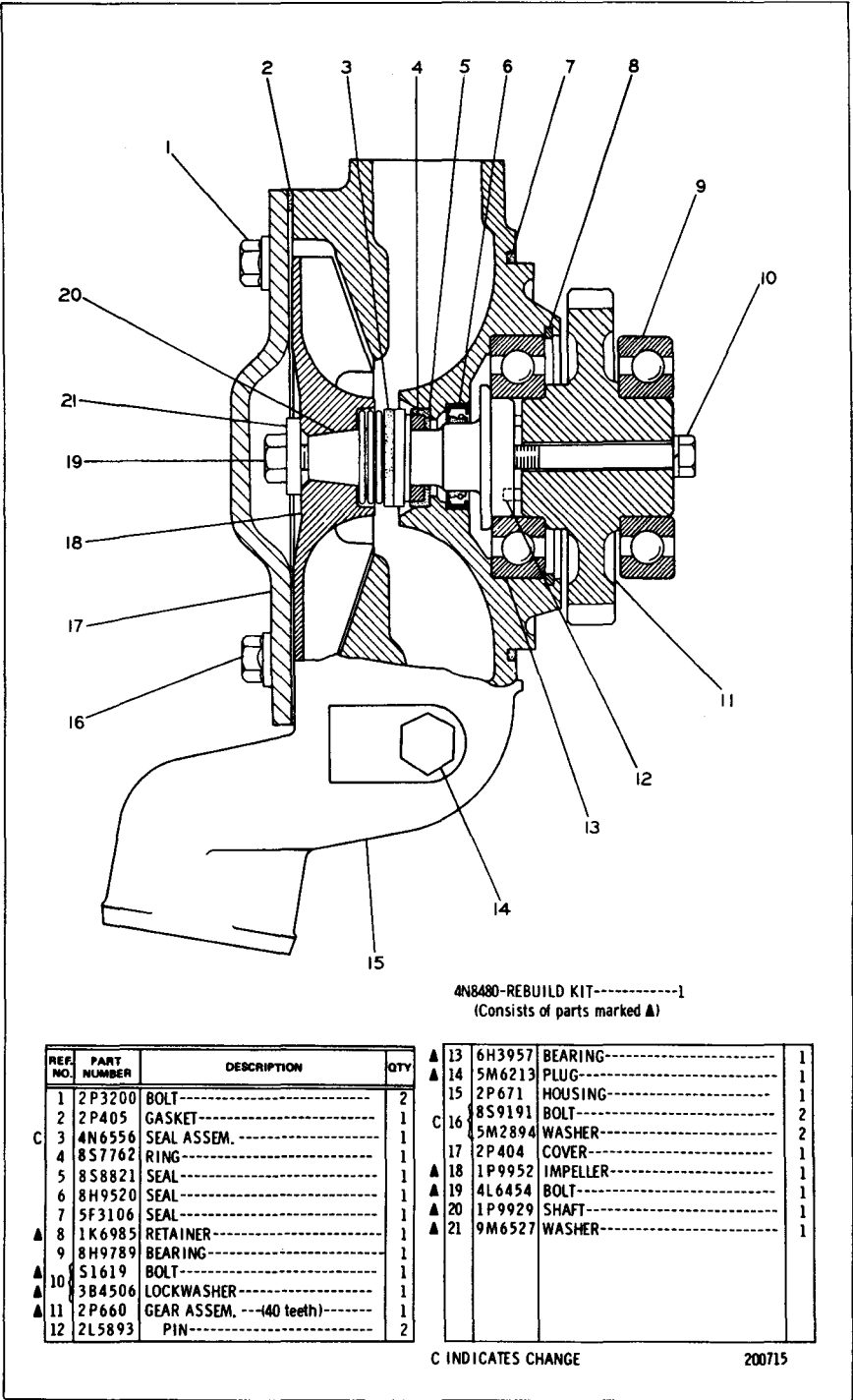


6L5858 BILGE WATER PUMP GROUP—Small Capacity
FOR USE WITH MARINE AUXILIARY ENGINE. 3F4394 Foot Valve and 6L5875
Bilge Water Pump parts are shown on Pages 61 and 62. AN ATTACHMENT

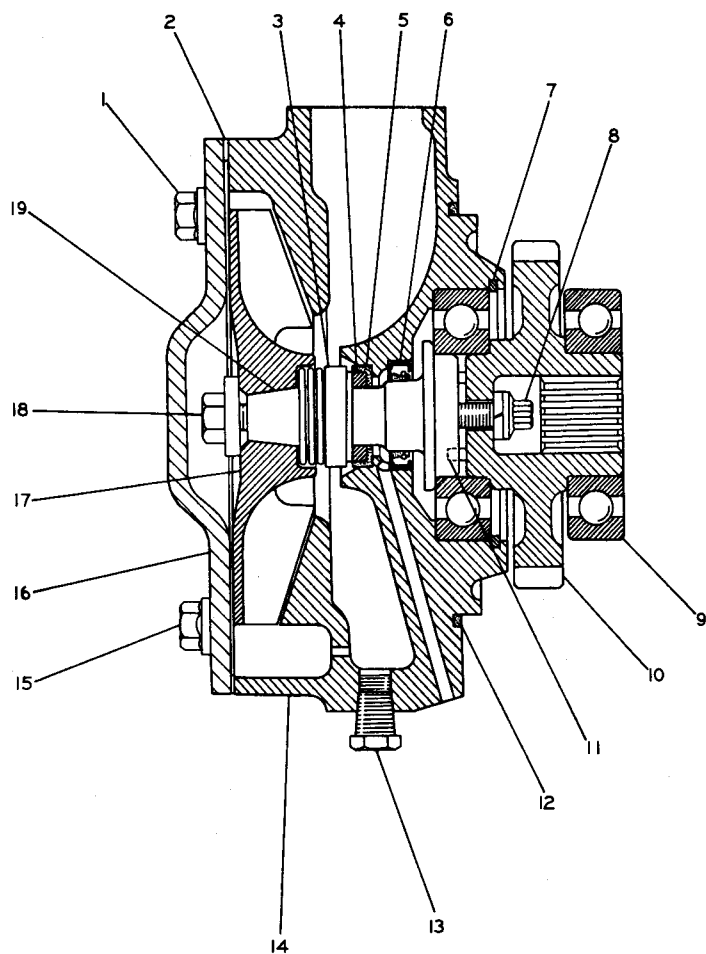




6L5875 BILGE WATER PUMP ASSEMBLY—R.H.
 Part of 6L5858 Bilge Water Pump Group shown on Page 61



WATER PUMP (2P662 N/S)
See Page 272 for Gasket Kits



4N8481-REBUILD KIT-----1
(Consists of parts marked ▲)

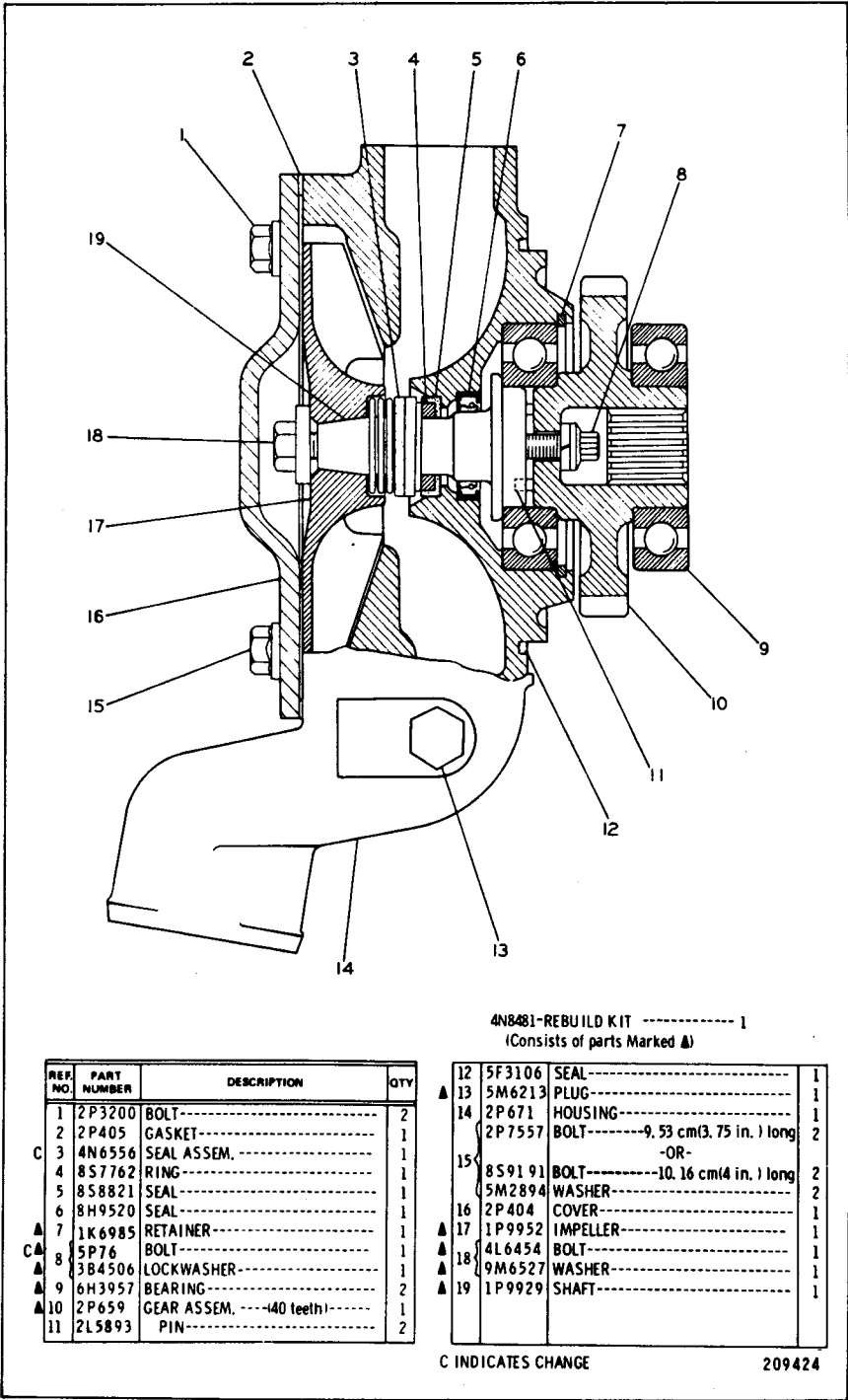
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2P3200	BOLT-----	2
2	2P405	GASKET-----	1
3	4N6556	SEAL ASSEM.-----	1
4	8S7762	RING-----	1
5	8S8821	SEAL-----	1
6	8H9520	SEAL-----	1
7	1K6985	RETAINER-----	1
8	1720	BOLT-----	1
9	3B4506	LOCKWASHER-----	1
10	6H3957	BEARING-----	2
11	2P659	GEAR ASSEM. ----(40 teeth)-----	1
	2L5893	PIN-----	2

▲12	5F3106	SEAL-----	1
▲13	5M6213	PLUG-----	1
14	3N1440	HOUSING-----	1
15	2P7557	BOLT-----	2
16	2P404	COVER-----	1
▲17	1P9952	IMPELLER-----	1
▲18	4L6454	BOLT-----	1
▲19	9M6527	WASHER-----	1
	1P9929	SHAFT-----	1

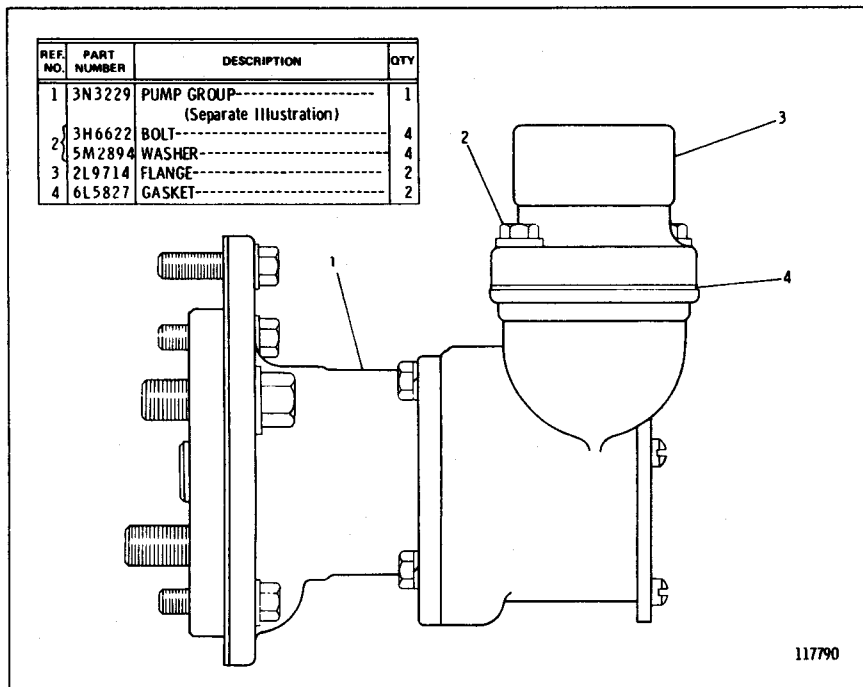
C INDICATES CHANGE

204119

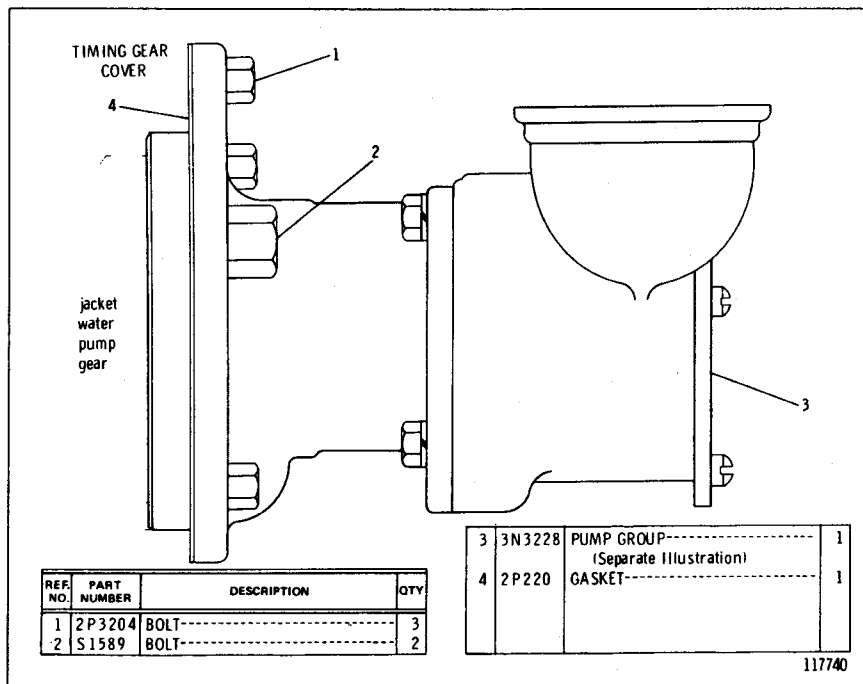
3N2850 WATER PUMP GROUP—With Spline Drive and Side Inlet
FOR USE WITH EXPANSION TANK. See Page 272 for Gasket Kits
AN ATTACHMENT



2P661 WATER PUMP GROUP—With Spline Drive and Bottom Inlet
See Page 272 for Gasket Kits
AN ATTACHMENT

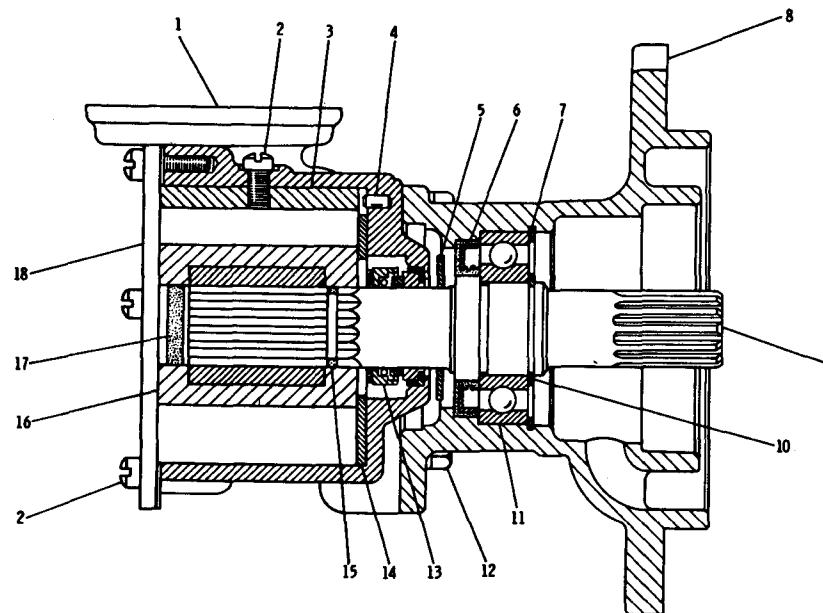


3N4927 AUXILIARY PUMP GROUP—Sea Water
3N3229 Pump parts are shown on Page 66
AN ATTACHMENT



3N3229 AUXILIARY PUMP GROUP—Sea Water

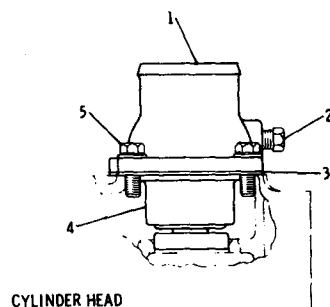
3N3228 SEA WATER PUMP GROUP
Part of 3N3229 Auxiliary Pump Group



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7L7504	BODY-----	1
2	3F7586	SCREW-----	6
3	6L8790	CAM-----	1
4	4L9022	DOWEL-----	1
5	1L4786	SLINGER-----	1
6	4L9021	SEAL-----	1
7	1L4775	RING-----	1
8	3N4072	HOUSING-----	1
9	3N4070	SHAFT-----	1
10	4M5285	RING-----	1
11	7L7508	BEARING-----	1
12	4M61	BOLT-----	4
13	3L6789	LOCKWASHER-----	4
14	7L2130	SEAL ASSEM.-----	1
15	4L8473	PLATE-----	1
16	8F3469	SEAL-----	1
17	1L4774	IMPELLER ASSEM.-----	1
18	2L7985	SEAL-----	1
	3N4071	COVER-----	1
	1L4785	GASKET-----	1
THE FOLLOWING REPAIR KIT IS AVAILABLE:			
	5L8002	KIT----- (overhaul)-----	1
(Includes Gasket, Impeller Assembly, Tool and Seals)			

C INDICATES CHANGE

145607



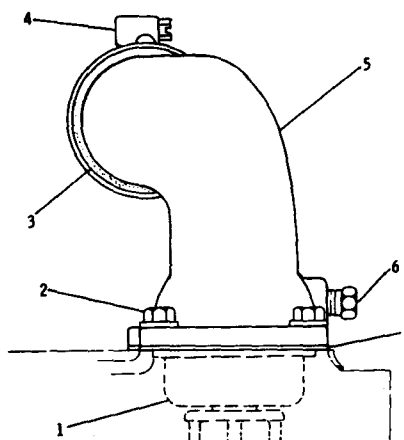
CYLINDER HEAD

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1P9989	PIPE-----	1
2	5M6213	PLUG-----	1
3	2P2715	GASKET-----	1
C 4	6N1848	REGULATOR-----	1
5	2P3201	BOLT-----	4

C INDICATES CHANGE

202765

HOUSING AND REGULATOR (3N3271 N/S)



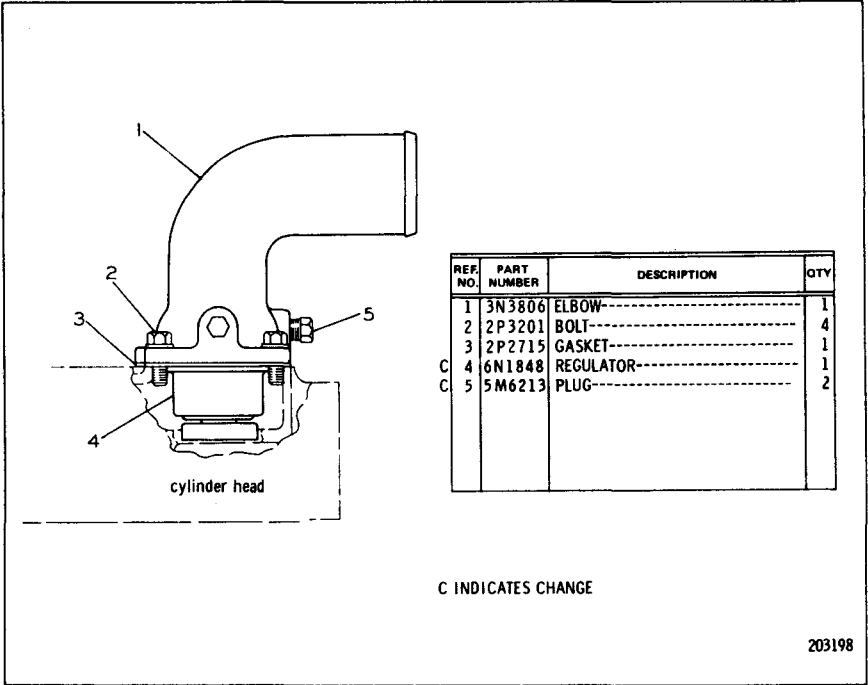
CYLINDER HEAD

REF. NO.	PART NUMBER	DESCRIPTION	QTY
C 1	6N1848	REGULATOR-----	1
C 2	2P3201	BOLT-----	4
▲ 3	2S6658	HOSE-----5 in.	1
C 4	9M7959	CLAMP-----	2
C 5	3N3806	ELBOW-----	1
C 6	5M6213	PLUG-----	1
C 7	2P2715	GASKET-----	1

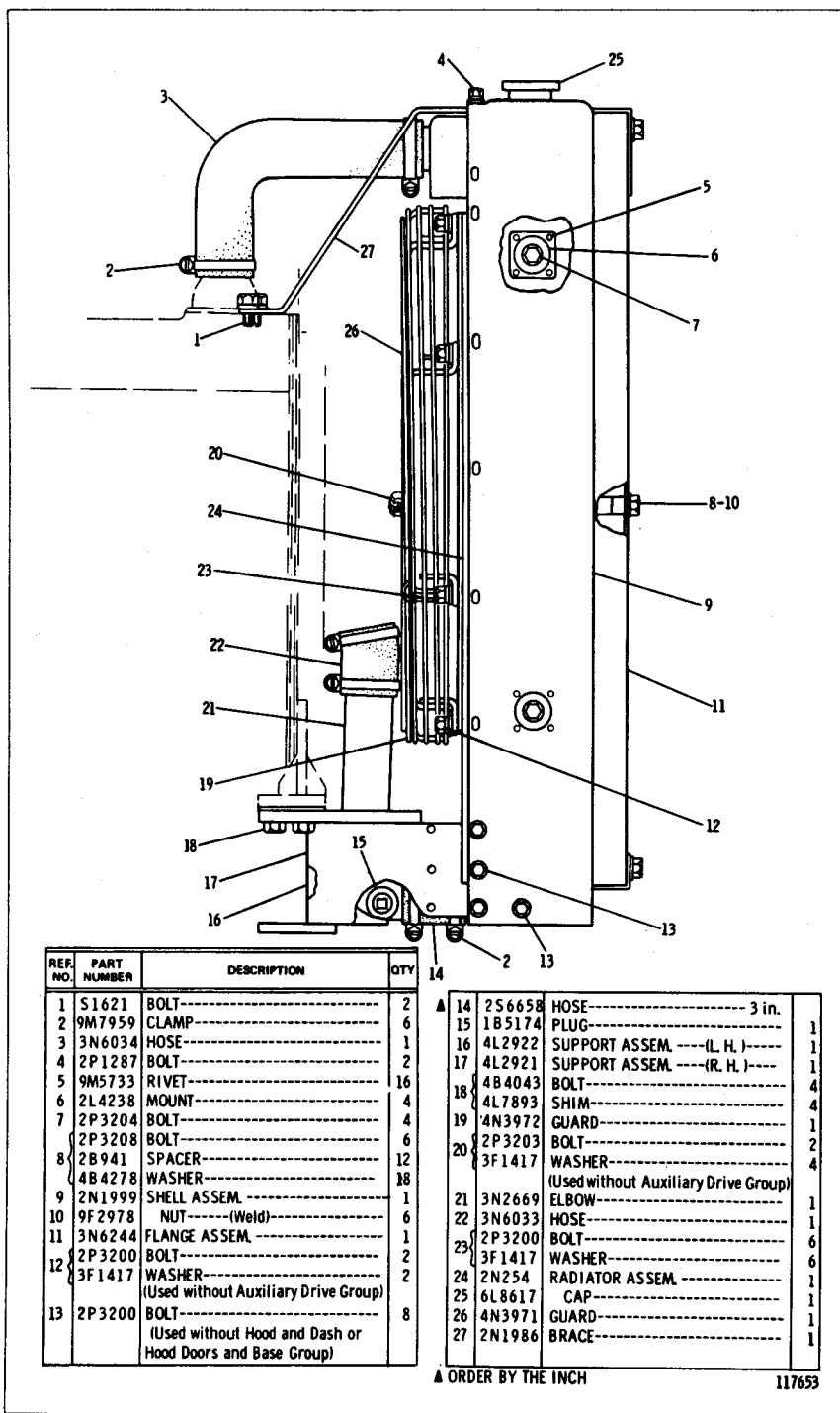
▲ ORDER BY THE INCH
C INDICATES CHANGE

203214

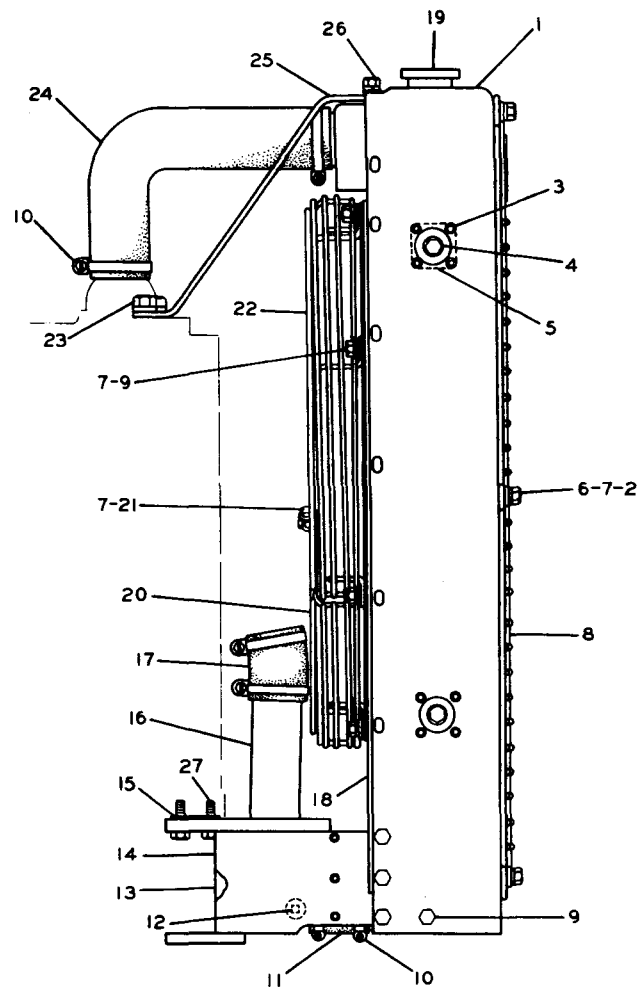
3N4926 HOUSING AND REGULATOR GROUP FOR USE WITH EXPANSION TANK. AN ATTACHMENT



3N3279 HOUSING AND REGULATOR GROUP
FOR USE WITH EXPANSION TANK. AN ATTACHMENT



3N6693 RADIATOR GROUP—Standard Capacity
FOR USE WITH DUCT FLANGE. AN ATTACHMENT



REF. NO.	PAR. NUMBER	DESCRIPTION	QTY
1	2N1999	SHELL ASSEM.-----	1
2	9F2978	NUT-----	6
3	9M5733	RIVET-----	16
4	2P3204	BOLT-----	4
5	2L4238	MOUNT-----	4
6	2P3201	BOLT-----	6
7	3F1417	WASHER-----	18
8	8L4534	GUARD-----	1
9	2P3200	BOLT-----	16
10	9M7959	CLAMP-----	6
▲ 11	2S6658	HOSE-----6 in.	1
12	1B5174	PLUG-----	1
13	4L2922	SUPPORT ASSEM. -----(L. H.)----	1
14	4L2921	SUPPORT ASSEM. -----(R. H.)----	1
15	4L7893	SHIM----- (Use as Required)-----	4

16	3N2669	ELBOW-----	1
17	3N6033	HOSE-----	1
18	2N254	RADIATOR ASSEM.-----	1
19	6L8617	CAP-----	1
● 20	2N3827	GUARD-----	1
21	2P3203	BOLT-----	2
C 22	2N3826	GUARD-----	1
23	S1621	BOLT-----	2
24	3N6034	HOSE-----	1
25	2N1986	BRACE-----	1
26	2P1287	BOLT-----	2
C 27	4B4043	BOLT-----	4

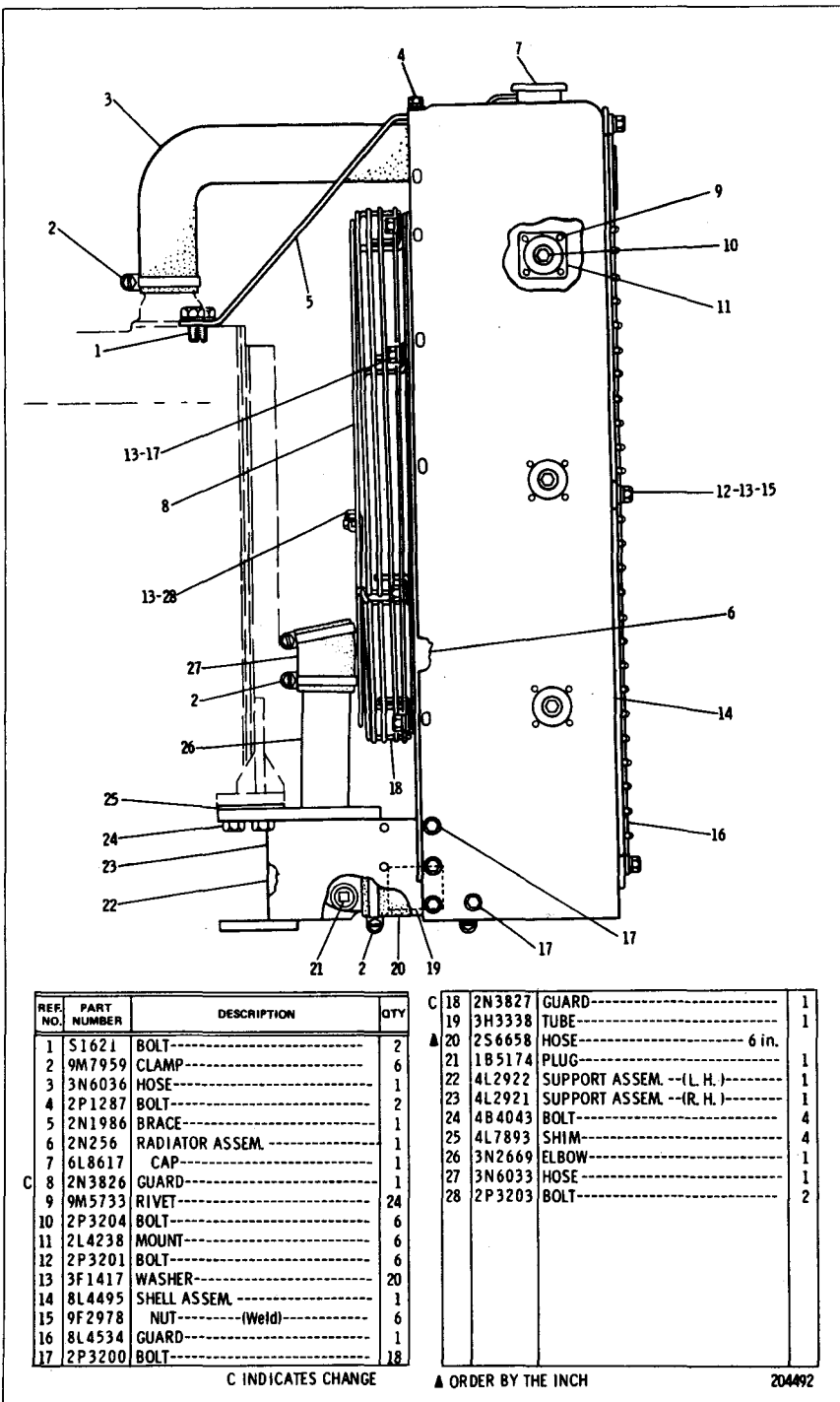
C INDICATES CHANGE

▲ ORDER BY THE INCH

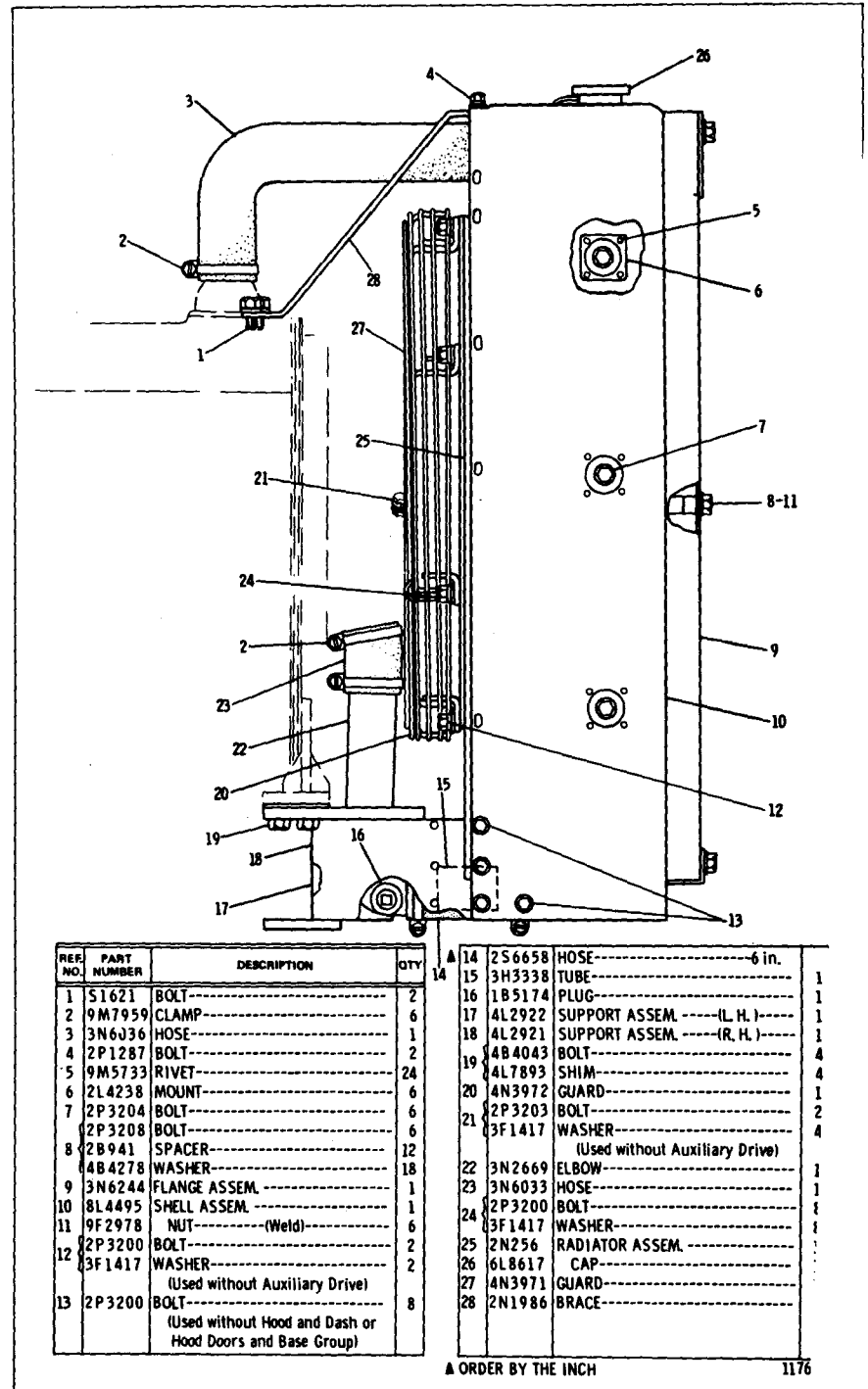
● USE WITHOUT AUXILIARY DRIVE

204493

3N4657 RADIATOR GROUP—Standard Capacity
AN ATTACHMENT



3N2790 RADIATOR GROUP—High Capacity
AN ATTACHMENT

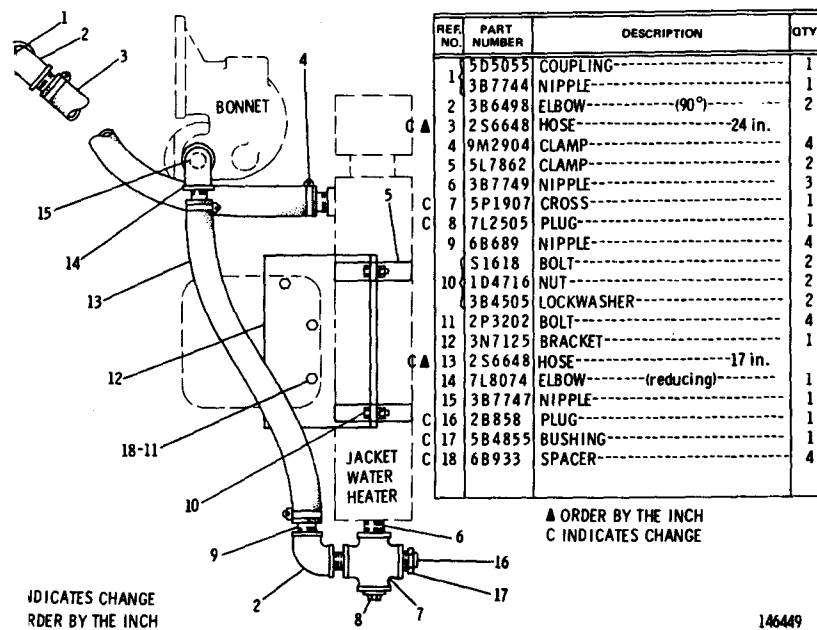


3N6694 RADIATOR GROUP—High Capacity
FOR USE WITH DUCT FLANGE. AN ATTACHMENT

CONSISTS OF:

PAGE

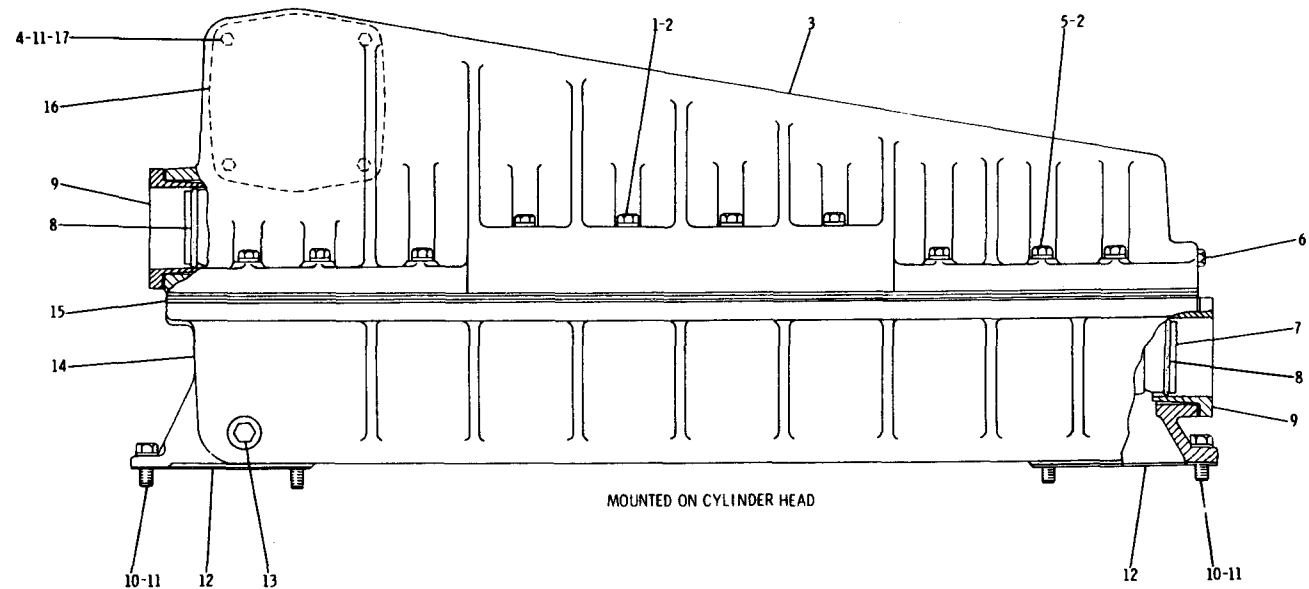
1	3N6728	MOUNTING GROUP.....	74
1	5L7806	HEATER--240 VOLTS, 3 KILOWATTS	
1	5L8674	HEATER--120 VOLTS, 2 KILOWATTS	
1	5L9071	HEATER--240 VOLTS, 2 KILOWATTS	
1	5L9072	HEATER--240 VOLTS, 1.5 KILOWATTS	
1	5L9073	HEATER--120 VOLTS, 1.5 KILOWATTS	
1	3M8596	HEATER--120 VOLTS, 3 KILOWATTS	

JACKET WATER HEATERS AND MOUNTING
AN ATTACHMENT

146449

3N6728 JACKET WATER HEATER

4N8267 AFTERCOOLER GROUP
Serial No. 66D16503-Up



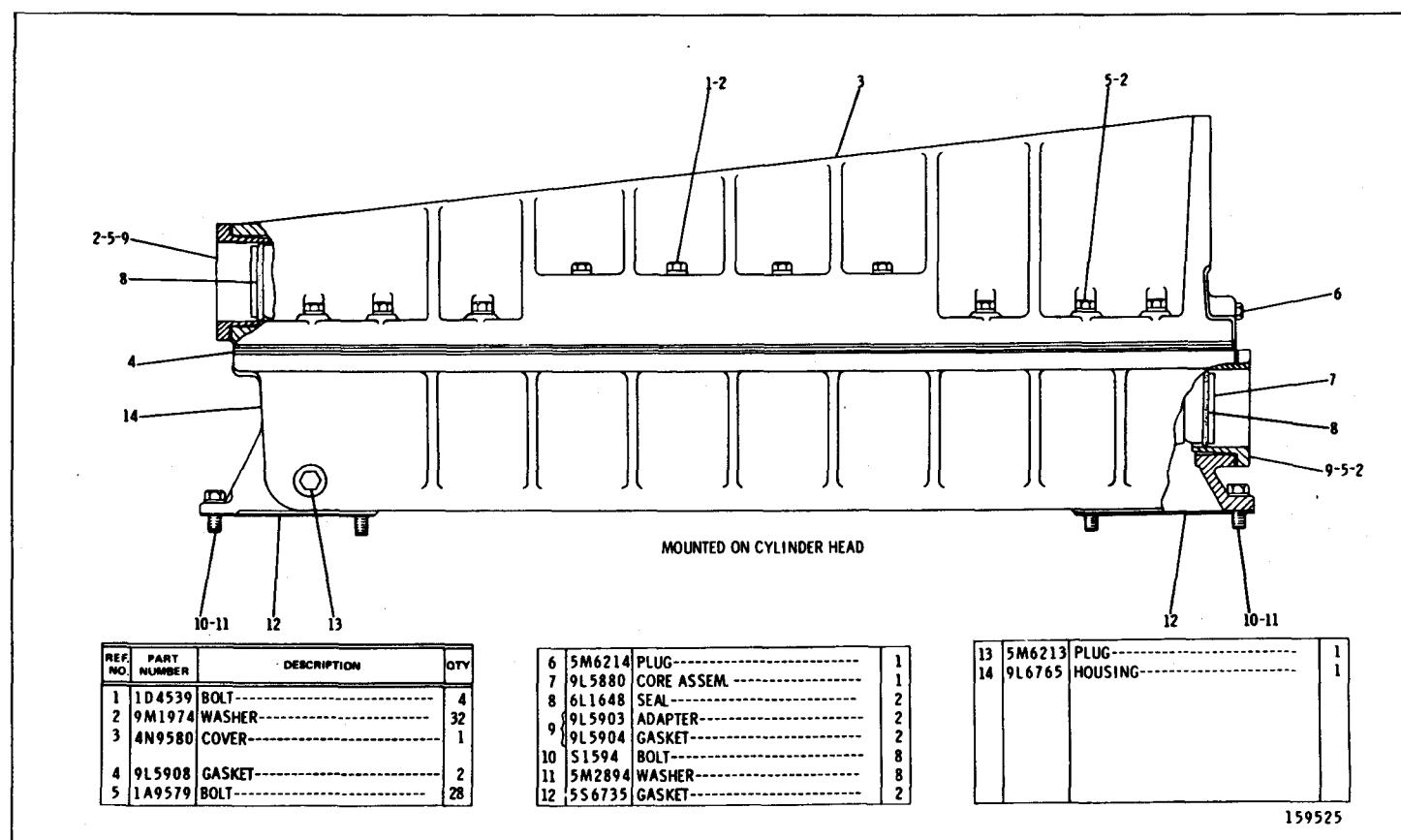
MOUNTED ON CYLINDER HEAD

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1D4539	BOLT-----	4
2	9M1974	WASHER-----	24
3	9N847	COVER ASSEM.-----	1
		(Includes)	
4	1H6525	HELI-COIL INSERT-----	4
5	1A9579	BOLT-----	20

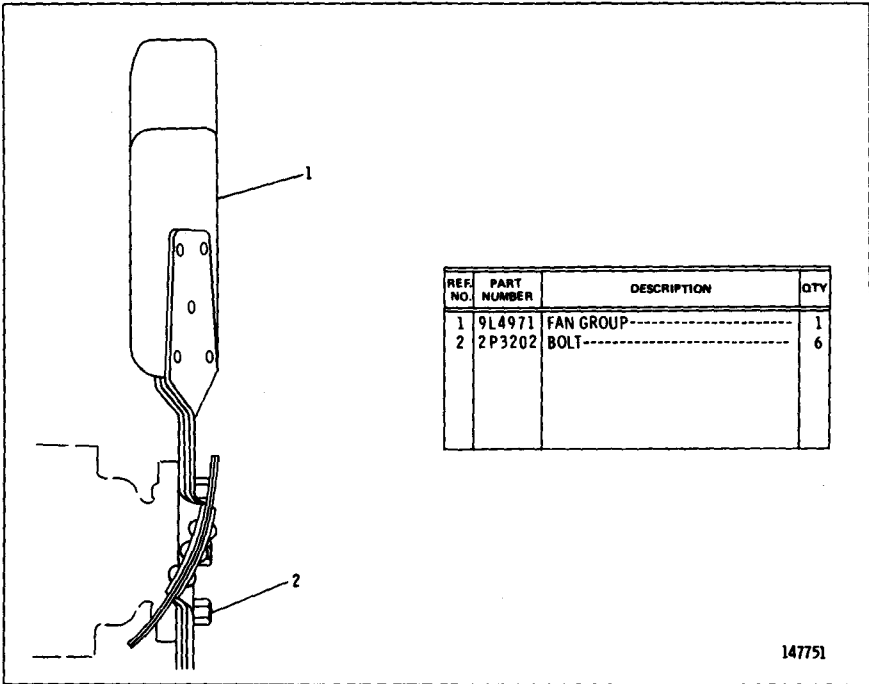
6	5M6214	PLUG-----	1
7	9L5880	CORE ASSEM.-----	1
8	6L1648	SEAL-----	2
9	9L5903	ADAPTER-----	2
9	9L5904	GASKET-----	2
10	S1594	BOLT-----	8
11	5M2894	WASHER-----	12
12	5S6735	GASKET-----	2

13	5M6213	PLUG-----	1
14	9L6765	HOUSING-----	1
15	9L5908	GASKET-----	2
16	9L2625	FLANGE-----	1
16	1N9372	GASKET-----	1
17	L2070	BOLT-----	4

157882

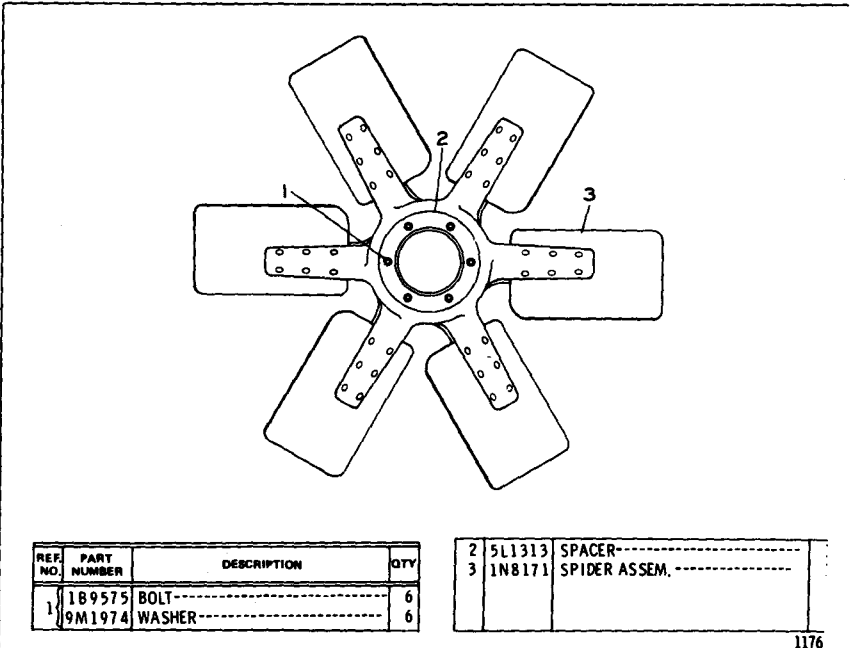


6N3745 AFTERCOOLER WATER GROUP
Serial No. 66D17936-Up

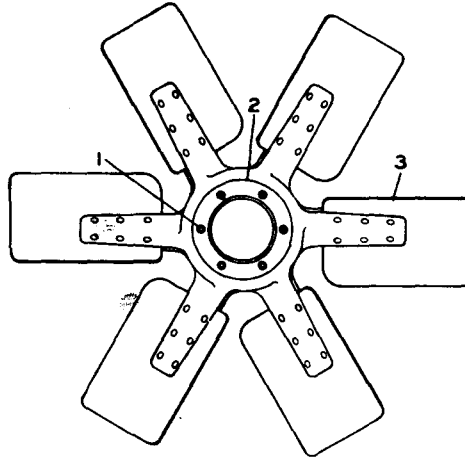


147751

4N8752 SUCTION FAN GROUP--28 Inch
Only separate parts serviced. AN ATTACHMENT



1176

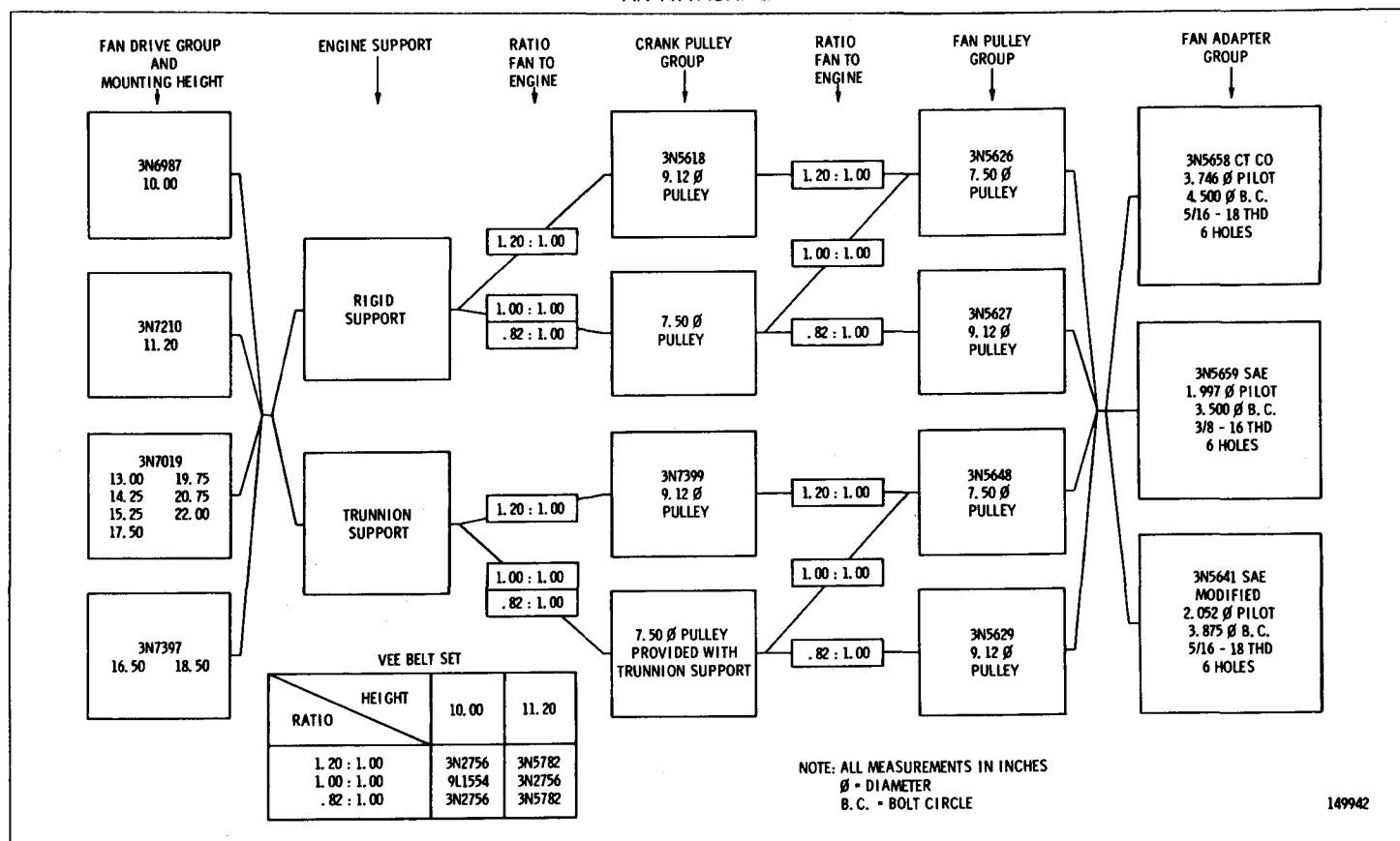


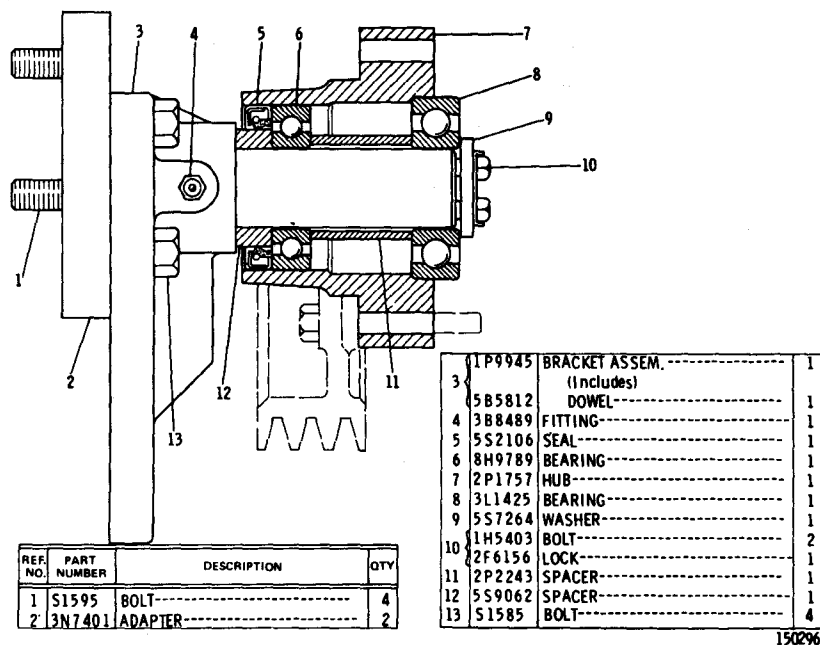
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	182790	BOLT-----	6
	9M1974	WASHER-----	6

2	2L3980	SPACER-----	1
3	1N8173	SPIDER ASSEM.-----	1

117660

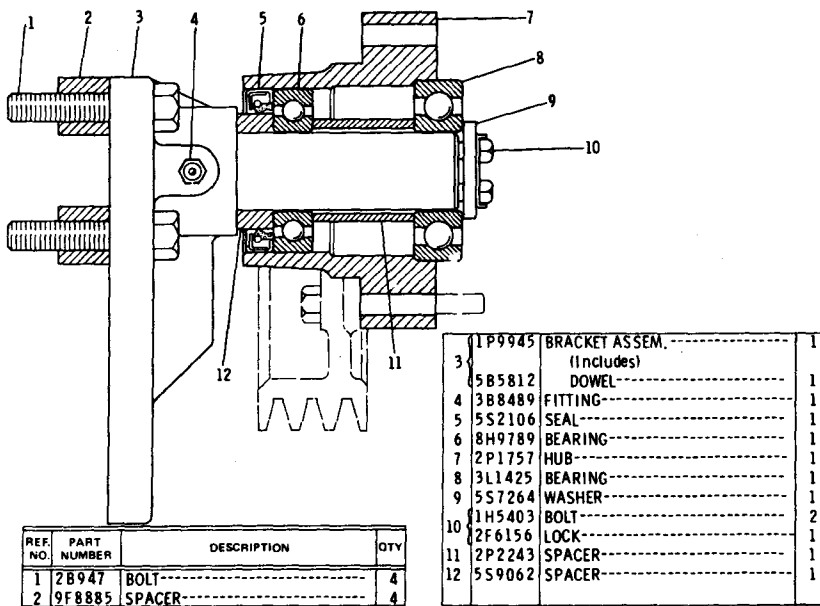
4N4686 BLOWER FAN GROUP--26 Inch
AN ATTACHMENT

FAN DRIVE CHART
AN ATTACHMENT



150296

3N7397 FAN DRIVE GROUP

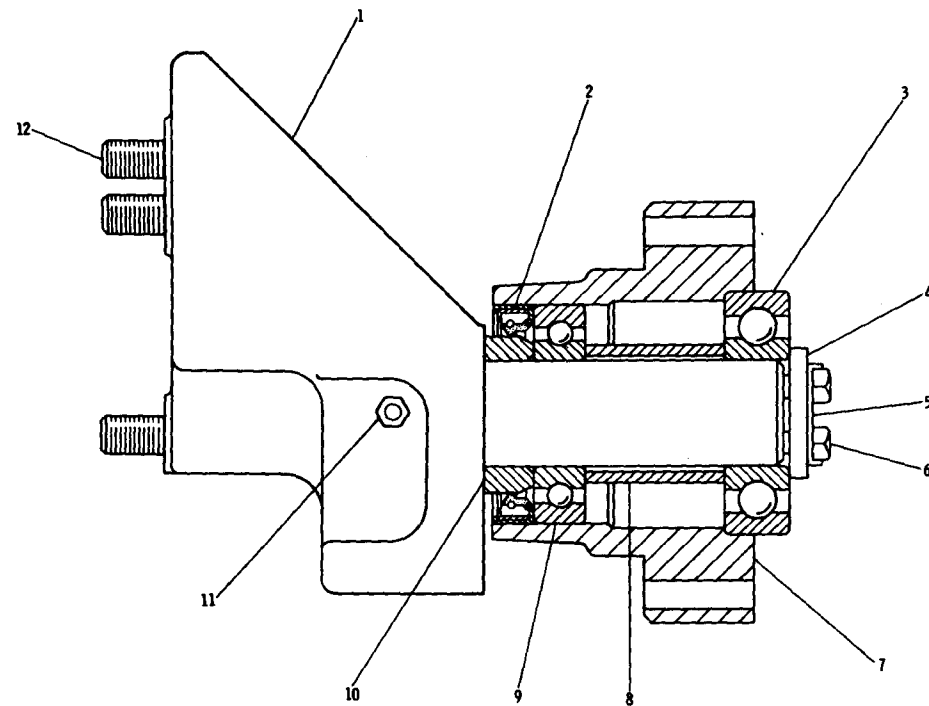
Refer to Chart shown on Page 77 for usage
AN ATTACHMENT

202628

3N7019 FAN DRIVE GROUP

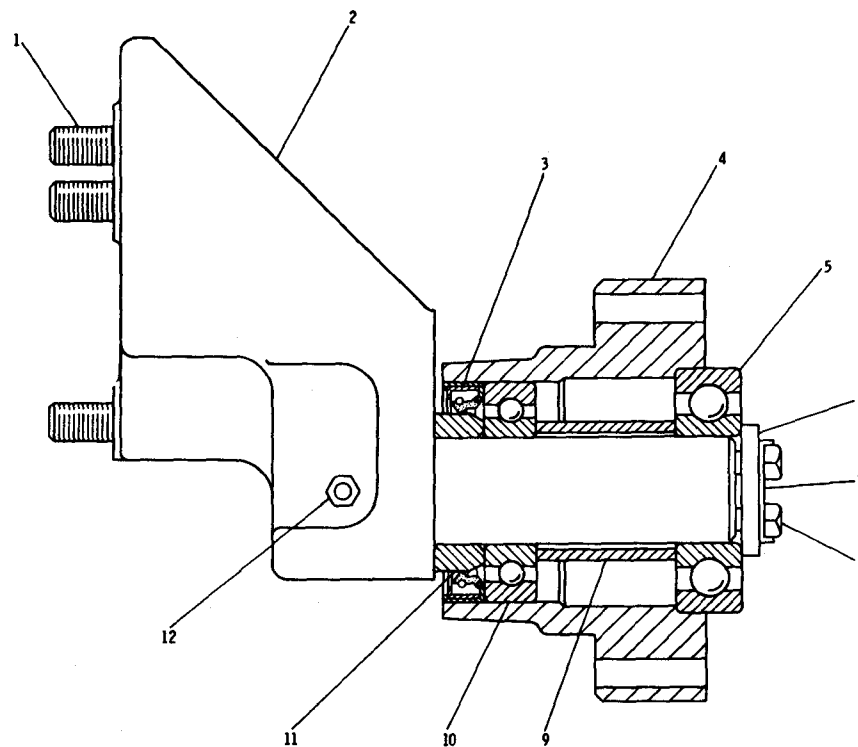
Refer to Chart shown on Page 77 for usage

3N7210 FAN DRIVE GROUP
 FOR USE WITH 3N7211 PULLEY GROUP AND ALTERNATOR OR BELT TIGHTENER
 Refer to Chart shown on Page 77 for usage. AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N4682	BRACKET ASSEM-----	1
2	5B5812	DOWEL-----	1
3	5S2106	SEAL-----	1
4	3L1425	BEARING-----	1
5	5S7264	WASHER-----	1
6	2F6156	LOCK-----	1
7	1H5403	BOLT-----	2
8	2P1757	HUB-----	1
9	2P2243	SPACER-----	1
10	8H9789	BEARING-----	1
11	5S9062	SPACER-----	1
12	3B8489	FITTING-----	1
	7B3235	BOLT-----	4

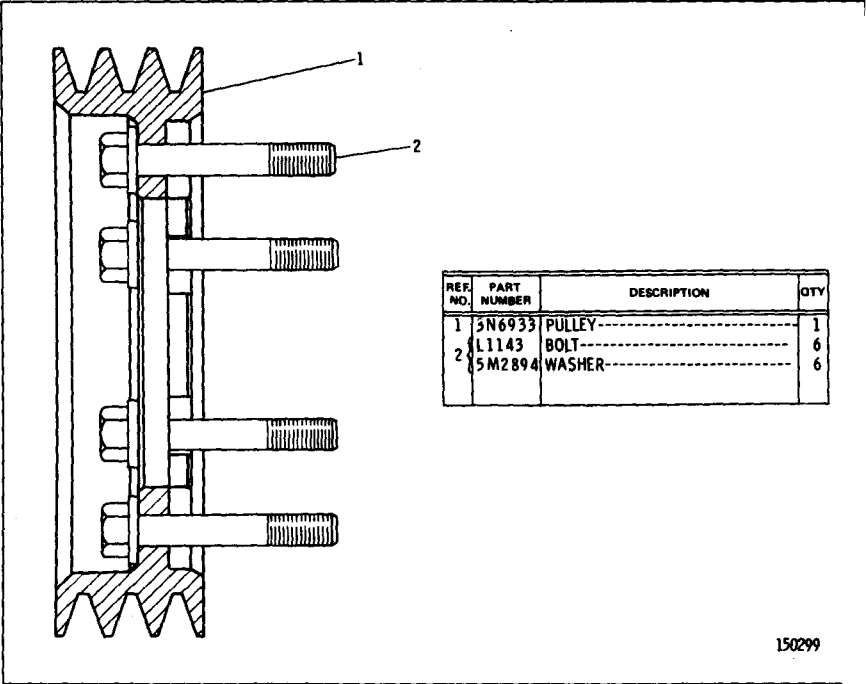
117963



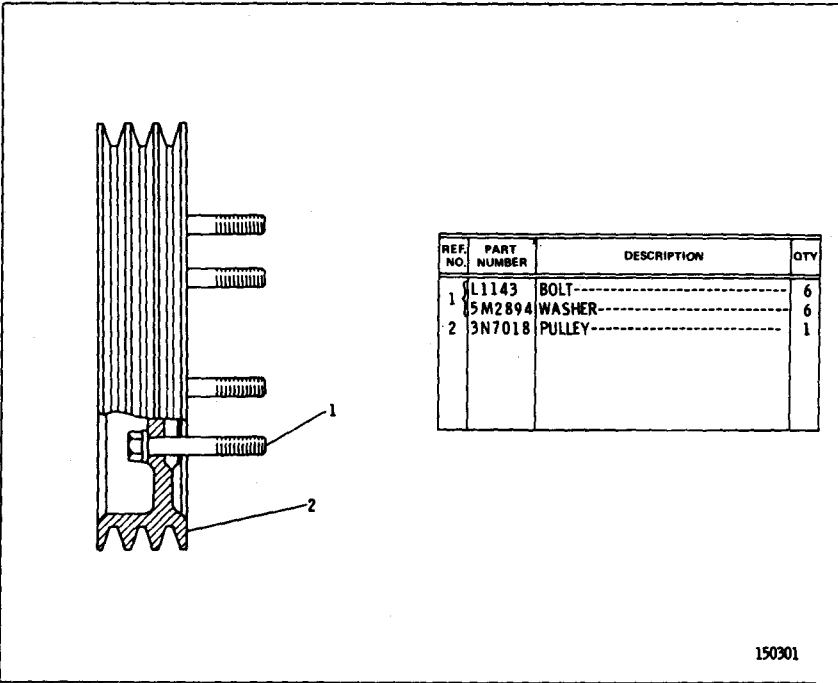
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7B3235	BOLT-----	4
2	3N7007	BRACKET ASSEM.-----	1
3	5S2106	SEAL-----	1
4	2P1757	HUB-----	1
5	3L1425	BEARING-----	1
6	5S7264	WASHER-----	1
7	2F6156	LOCK-----	1
8	1H5403	BOLT-----	2
9	2P2243	SPACER-----	1
10	8H9789	BEARING-----	1
11	5S9062	SPACER-----	1
12	3B8489	FITTING-----	1

117658

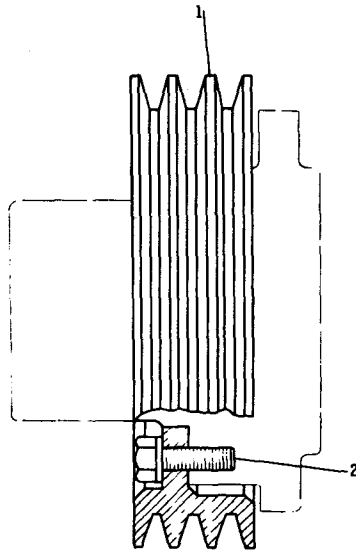
3N6987 FAN DRIVE GROUP
Refer to Chart shown on Page 77 for usage. AN ATTACHMENT



3N5648 PULLEY GROUP
Refer to Chart shown on Page 77 for usage
AN ATTACHMENT



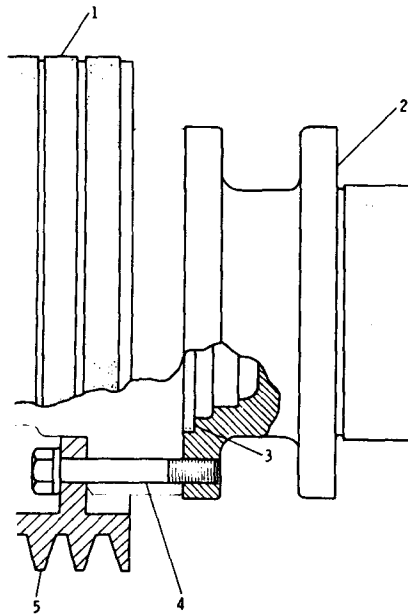
3N5629 PULLEY GROUP



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3N6933	PULLEY-----	1
2	S1588	BOLT-----	6
	5M2894	WASHER-----	6

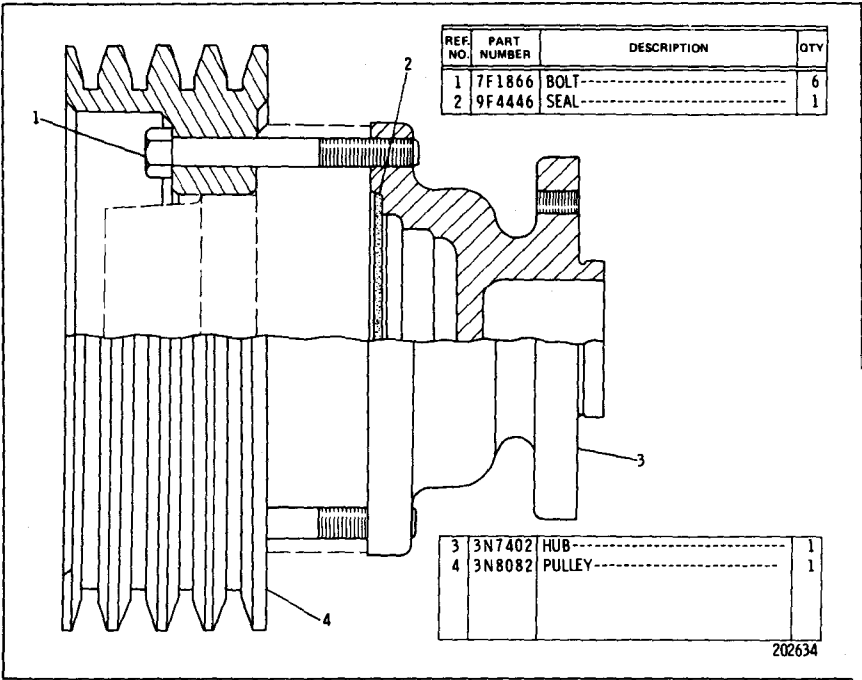
117655

3N6934 PULLEY GROUP
FOR USE WITH TRUNNION SUPPORT, AN ATTACHMENT

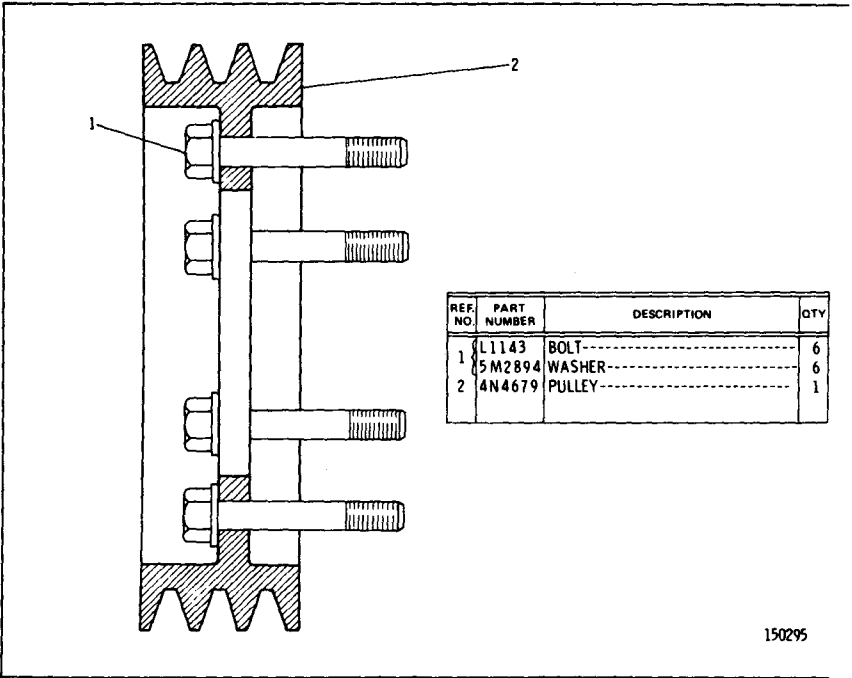


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3N2756	VEE BELT SET----- (Consists of 3 Belts)	1
2	4N4680	ADAPTER-----	2
3	9F4446	SEAL-----	1
4	2P3208	BOLT-----	6
5	4N4679	PULLEY-----	1

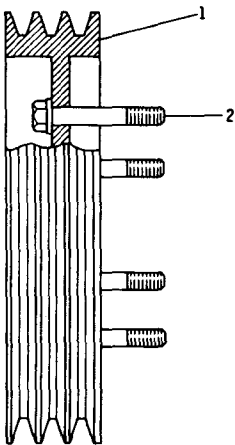
117964



3N8083 FAN PULLEY GROUP
Also available as an Attachment for use with 6N1309 Procurement Arrangemen



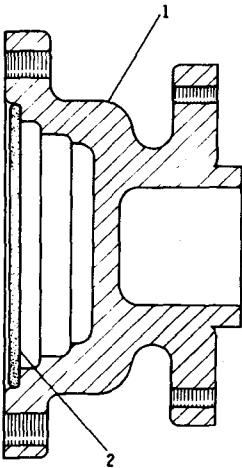
3N5626 FAN PULLEY GROUP
See Page 77 for usage



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3N5602	PULLEY-----	1
2	L1143	BOLT-----	6
	5M2894	WASHER-----	6

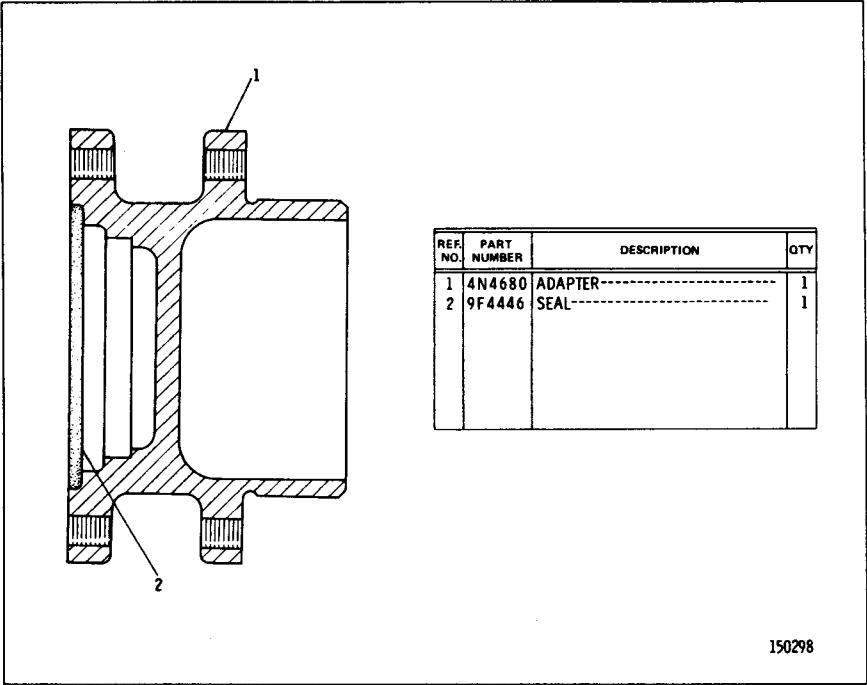
149943

3N5627 FAN PULLEY GROUP
Refer to Chart shown on Page 77 for usage
AN ATTACHMENT

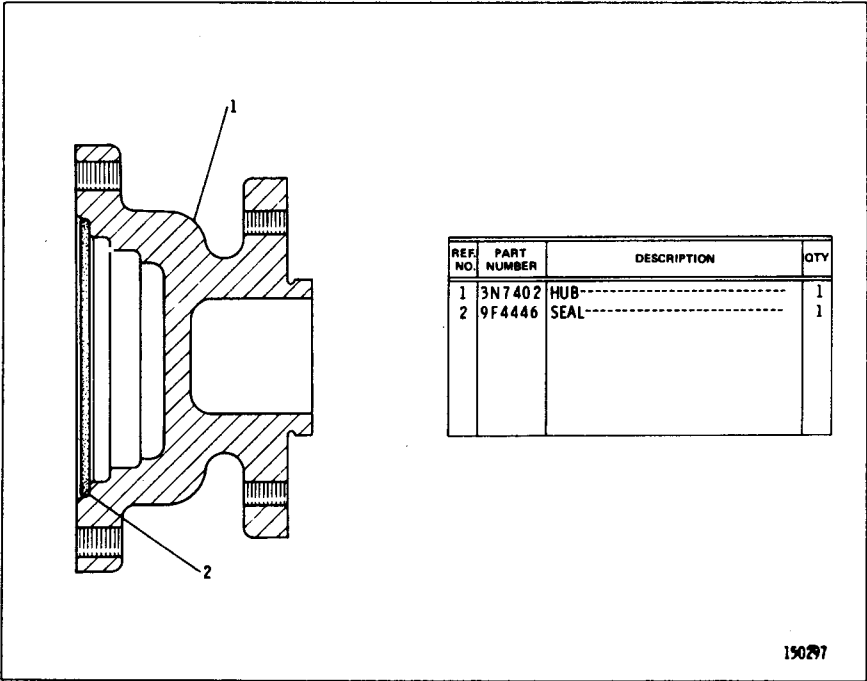


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3N7020	HUB-----	1
2	9F4446	SEAL-----	1

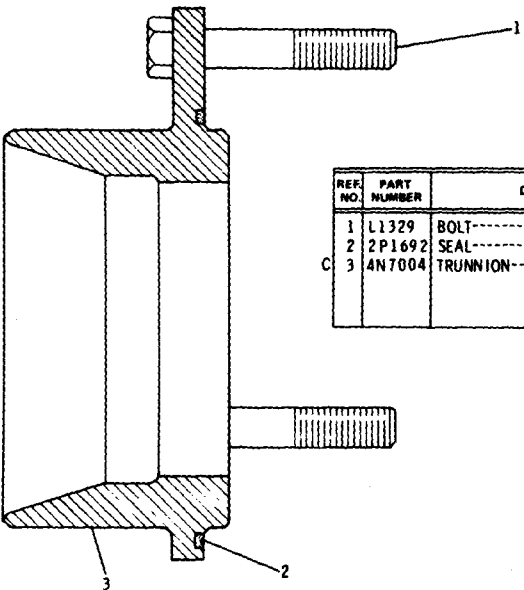
150300



3N5658 FAN ADAPTER GROUP
Refer to Chart shown on Page 77 for usage
AN ATTACHMENT



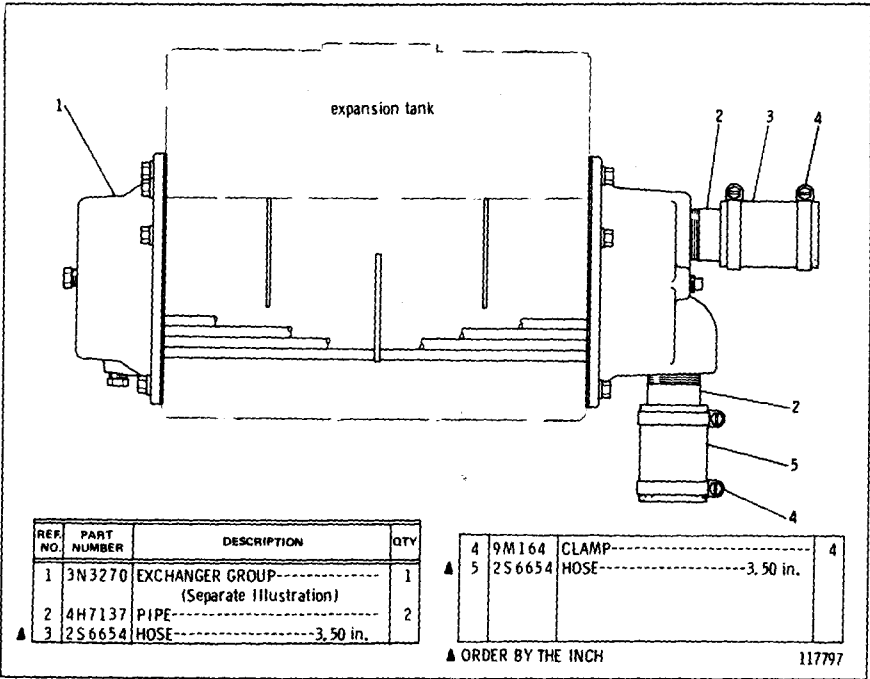
CATERPILLAR 3306 INDUSTRIAL ENGINE



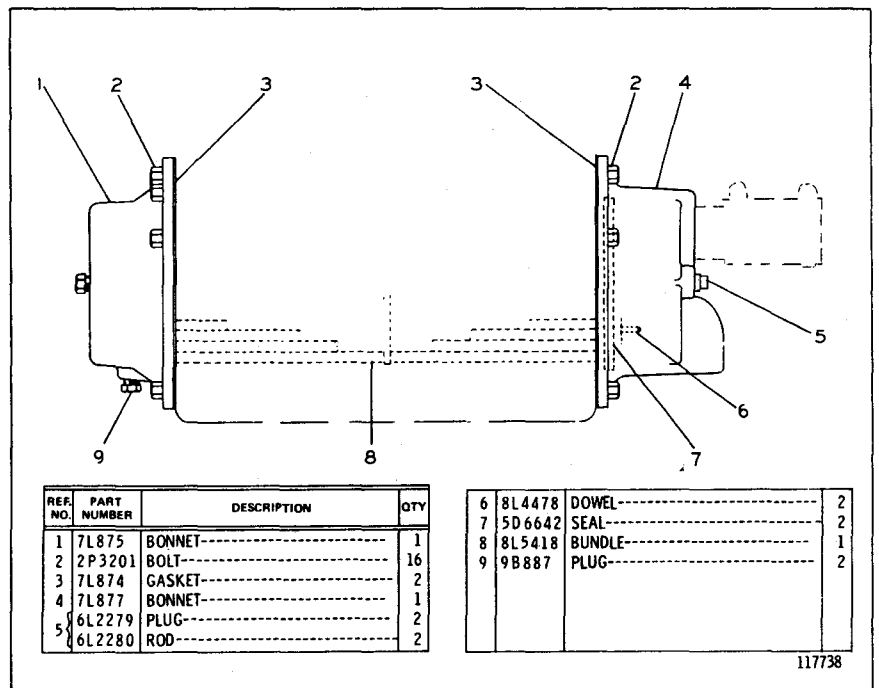
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	L1329	BOLT-----	3
2	2P1692	SEAL-----	1
C 3	4N7004	TRUNNION-----	1

C INDICATES CHANGE 209934

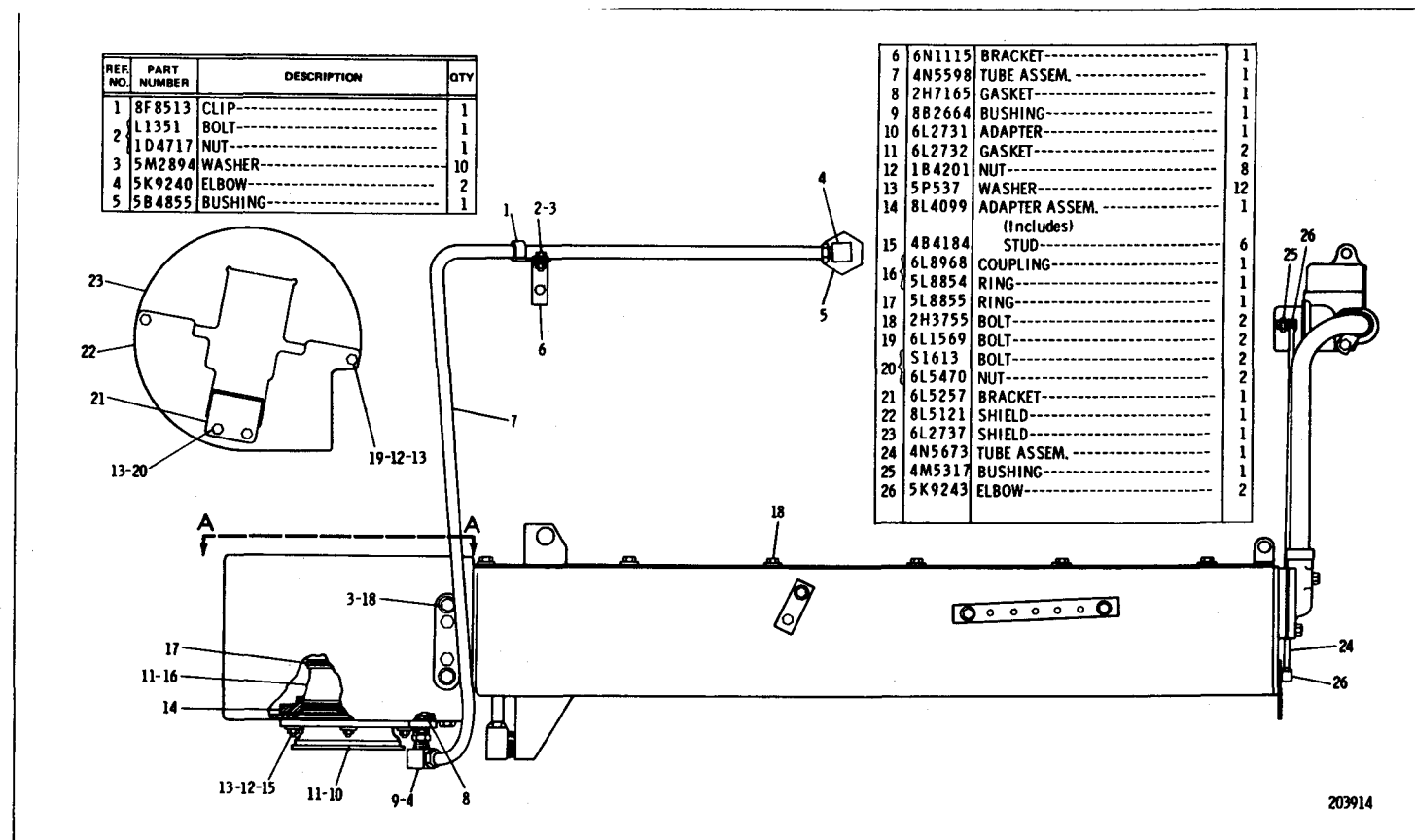
TRUNNION (9L5765 N/S)



3N4925 HEAT EXCHANGER GROUP
FOR USE WITHOUT AUXILIARY WATER PUMP AND WITH AUXILIARY
3N4925 Exchanger parts are shown on Page 87



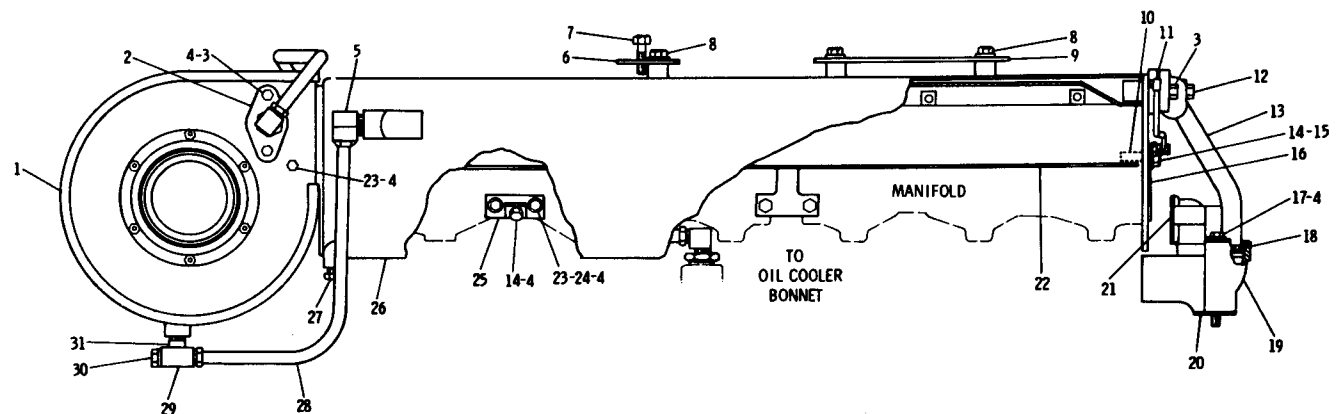
3N3270 HEAT EXCHANGER GROUP
 FOR USE WITH EXPANSION TANK AND AUXILIARY WATER LINES
 Also part of 4N4925 Heat Exchanger Group. AN ATTACHMENT



6N1302 MANIFOLD SHIELD GROUP—Water Cooled—Part 1
AN ATTACHMENT

203914

6N1302 MANIFOLD SHIELD GROUP—Water Cooled—Part 2
AN ATTACHMENT

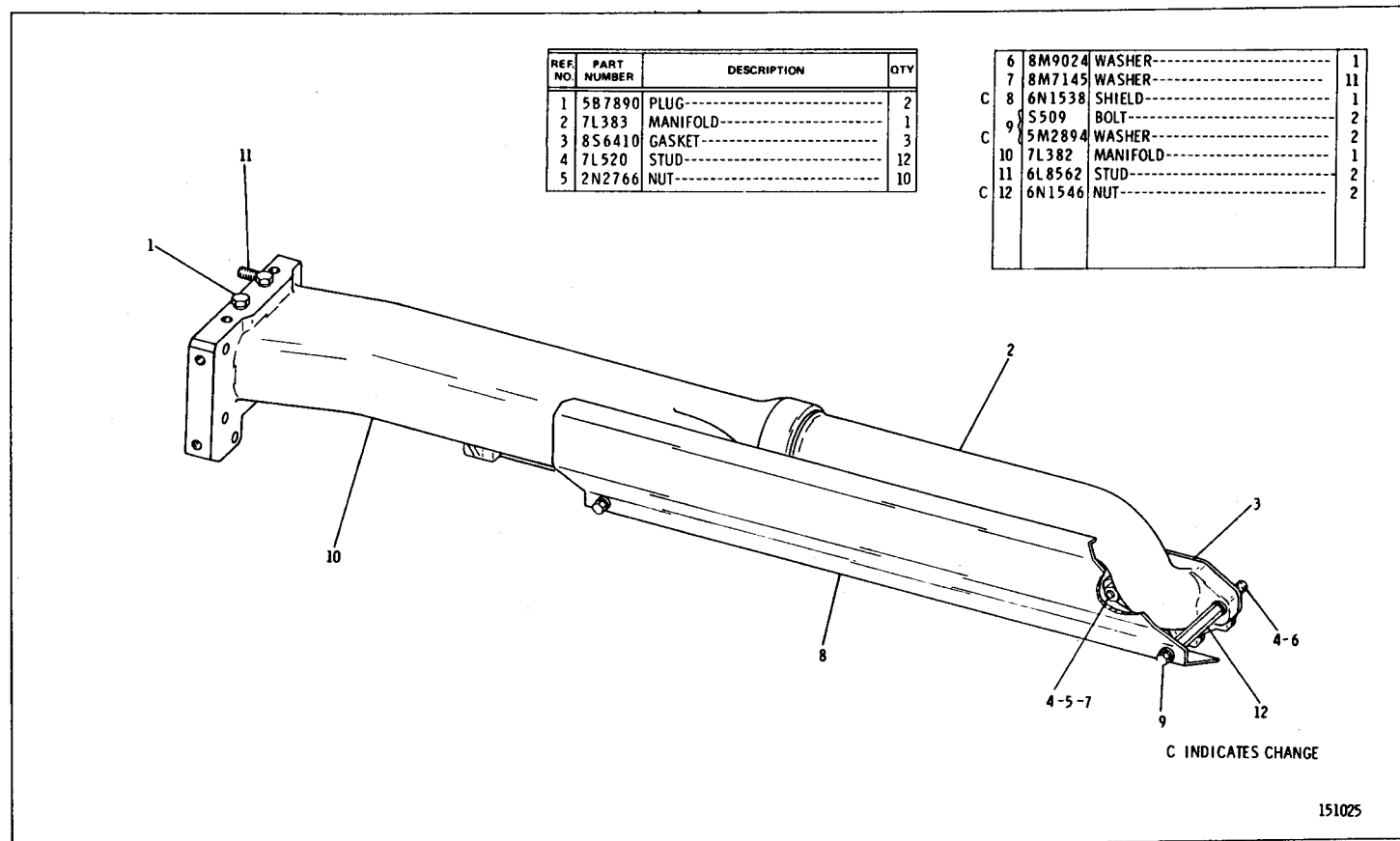


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7L495	SHIELD-----	1
2	2H5759	FLANGE-----	1
3	S1594	BOLT-----	3
4	5M2894	WASHER-----	10
5	5K9240	ELBOW-----	1
6	6N3676	CLAMP-----	1
7	1B7182	BOLT-----	1
8	L1351	BOLT-----	3
9	8M9024	WASHER-----	3
10	6N3308	CLAMP-----	1
	8B9725	BOSS-----	1

11	2S2934	GASKET-----	1
12	S1571	BOLT-----	1
13	4N5601	TUBE ASSEM-----	1
14	2H3755	BOLT-----	2
15	9M1974	WASHER-----	1
16	6N3602	BRACKET-----	1
17	T55	BOLT-----	1
	5L6573	LUG-----	1
18	9H6067	SEAL-----	1
19	3N3161	ELBOW-----	1
20	2P406	GASKET-----	1
21	2P6132	GASKET-----	1
22	8L5034	SHIELD ASSEM----- (water)	1

23	S509	BOLT-----	6
24	8L4964	NUT----- (spacer)	4
25	8L4965	SUPPORT ASSEM-----	1
26	6N3790	SHIELD ASSEM-----	1
27	3J5390	PLUG-----	1
28	2N8979	TUBE ASSEM-----	1
29	9S7731	TEE-----	1
30	3P2048	PLUG-----	1
31	1H1363	ELBOW-----	1

203915



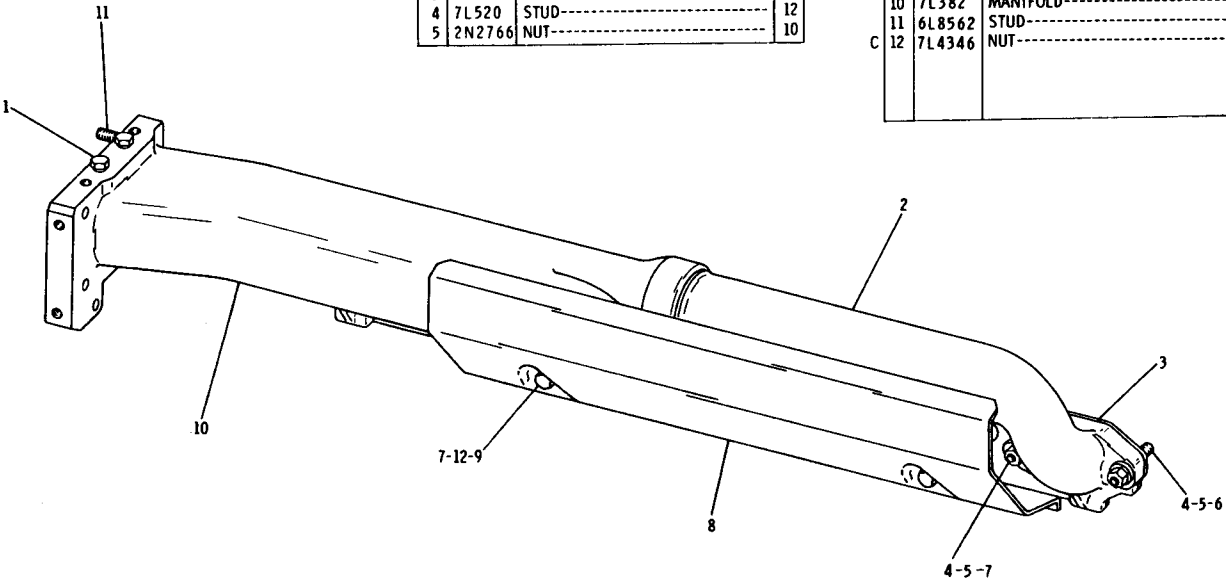
151025

EXHAUST MANIFOLD (3N2888 N/S)
Serial No. 66D12370 to 66D15040 inclusive

EXHAUST MANIFOLD (3N2888 N/S)
Serial No. 66D15041—Up

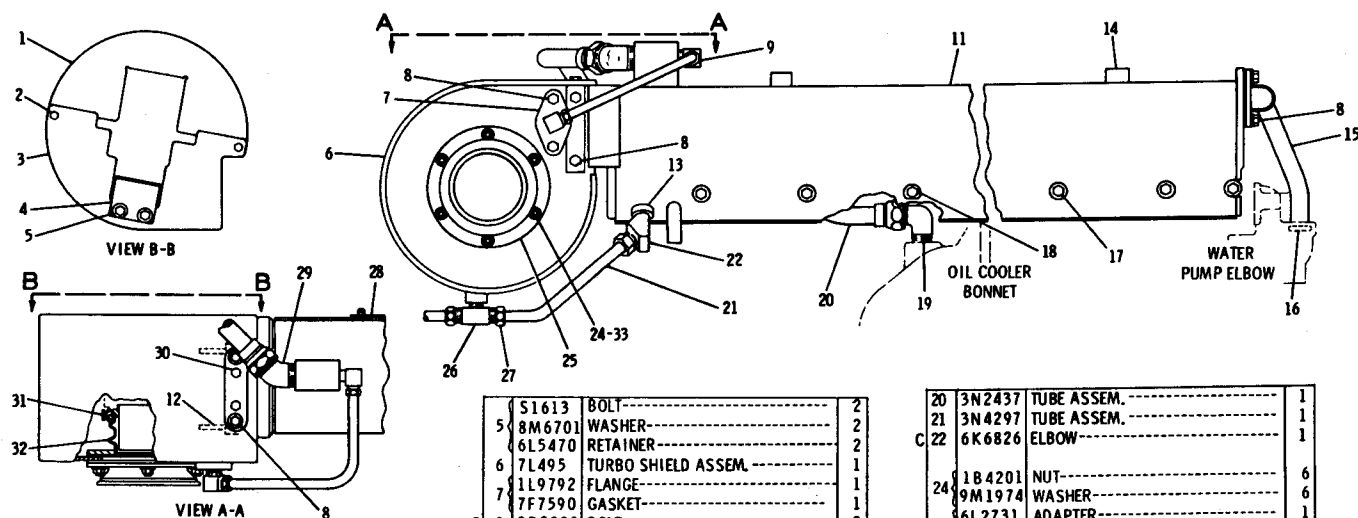
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	5B7890	PLUG-----	2
2	7L383	MANIFOLD-----	1
3	8S6410	GASKET-----	3
4	7L520	STUD-----	12
5	2N2766	NUT-----	10

6	8M9024	WASHER-----	1
7	8M7145	WASHER-----	11
8	6N3818	SHIELD-----	1
9	S509	BOLT-----	2
10	5M2894	WASHER-----	2
11	7L382	MANIFOLD-----	1
12	6L8562	STUD-----	2
C 12	7L4346	NUT-----	2



C INDICATES CHANGE
155735

EXHAUST MANIFOLD (3N3273 N/S)



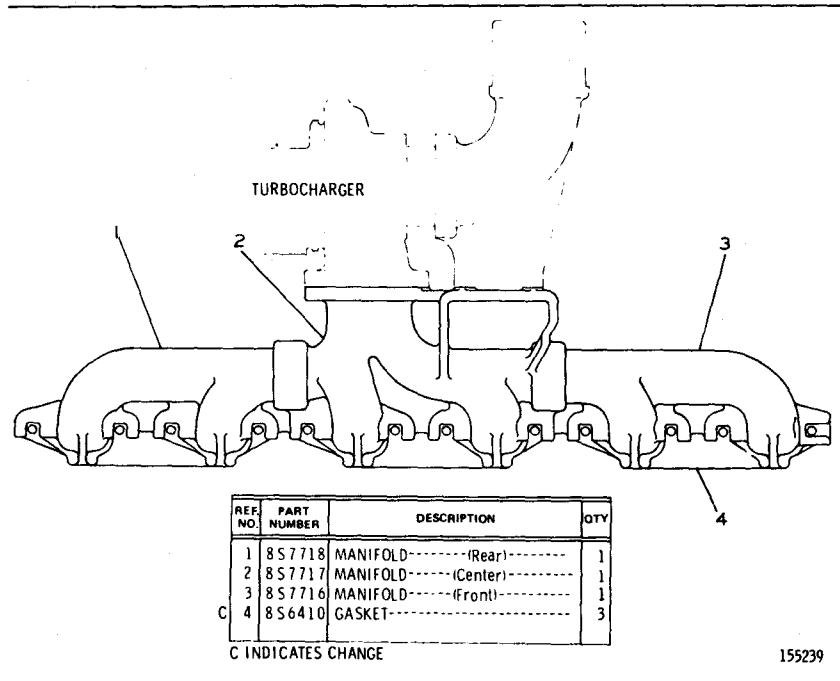
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6L2737	SHIELD-----	1
	6L1569	BOLT-----	2
2	8F2103	NUT-----	2
	8M9936	LOCKWASHER-----	2
	8H5505	WASHER-----	2
3	8L5121	SHIELD-----	1
4	6L5257	BRACKET-----	1

	5	S1613	BOLT-----	2
		8M6701	WASHER-----	2
		6L5470	RETAINER-----	2
	6	7L495	TURBO SHIELD ASSEM-----	1
		1L9792	FLANGE-----	1
	7	7F7590	GASKET-----	1
	8	2P3200	BOLT-----	8
	9	5K9244	ELBOW-----	2
	10	3N4290	TUBE ASSEM-----	1
	11	6N3727	MANIFOLD ASSEM-----	1
		(Includes)		
	12	6L8562	STUD-----	4
	13	6B8692	BOSS-----	1
	14	8D7729	BOSS-----	3
		3N1937	TUBE ASSEM-----	1
	15	6L6580	GASKET-----	1
	16	9M4849	SEAL-----	1
	17	S1608	BOLT-----	6
	18	8M2518	BOLT-----	1
	19	9S7296	ELBOW-----	1

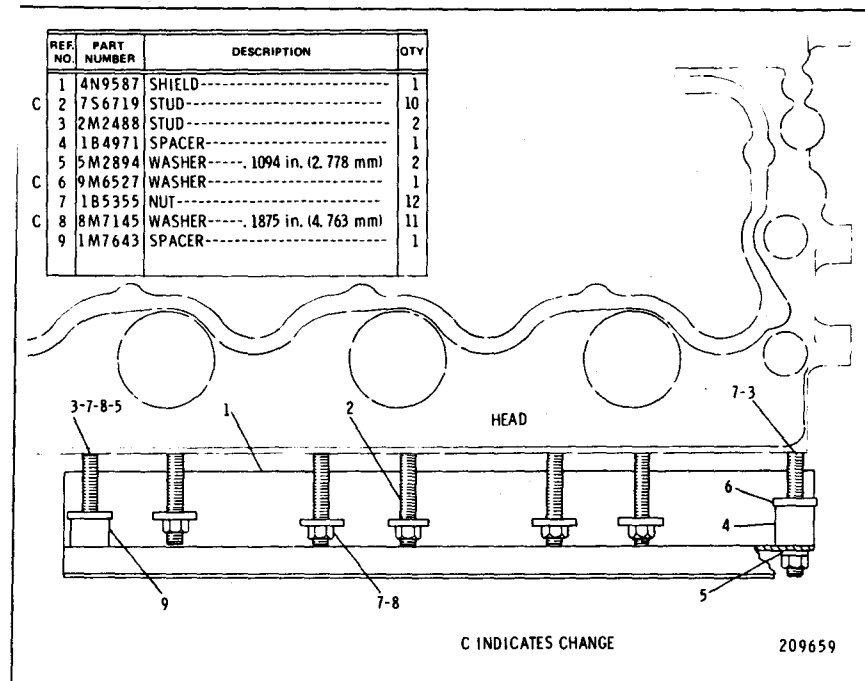
	20	3N2437	TUBE ASSEM-----	1
	21	3N4297	TUBE ASSEM-----	1
	22	6K6826	ELBOW-----	1
		1B4201	NUT-----	6
	24	9M1974	WASHER-----	6
		6L2731	ADAPTER-----	1
	25	6L2732	GASKET-----	2
		9S7730	TEE-----	1
	26	5P1184	PLUG-----	1
	27	8S6410	GASKET-----	3
		2P1312	ELBOW-----	1
	29	5B7890	PLUG-----	2
	30	5L9316	CLAMP-----	1
	31	6L7321	COUPLING-----	1
	32	4B4184	STUD-----	6
	33			

C INDICATES CHANGE

204415

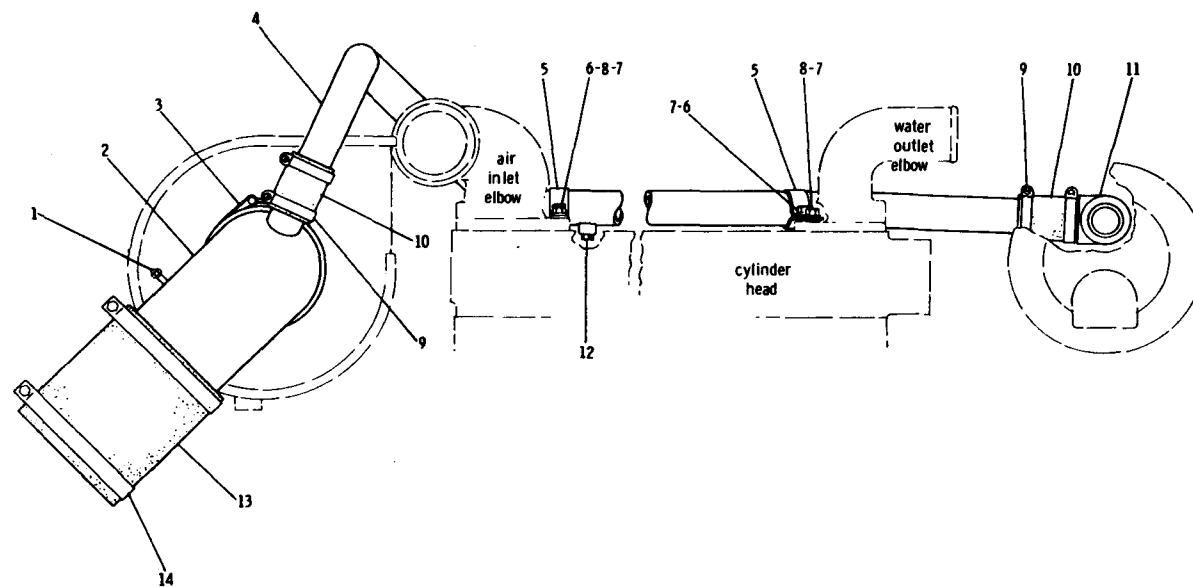


2P6574 EXHAUST MANIFOLD GROUP



4N9586 EXHAUST MANIFOLD FASTENER GROUP

3N6073 EXHAUST ELBOW GROUP—Water Cooled
AN ATTACHMENT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	5L4126	NUT-----	1
2	8L5274	ELBOW-----	1
3	5L7631	CLAMP-----	1

4	3N6071	TUBE ASSEM.-----	1
5	8L5251	CLIP-----	2
6	1L1351	BOLT-----, 875 in. (22.23 mm) long	2
7	1D4717	NUT-----	2
8	5M2894	WASHER-----	7
9	3B1915	BOLT-----1.375 in. (34.93 mm) long	2
10	9M164	CLAMP-----	4
11	5P1256	HOSE-----15.24 cm (6 in.)	1

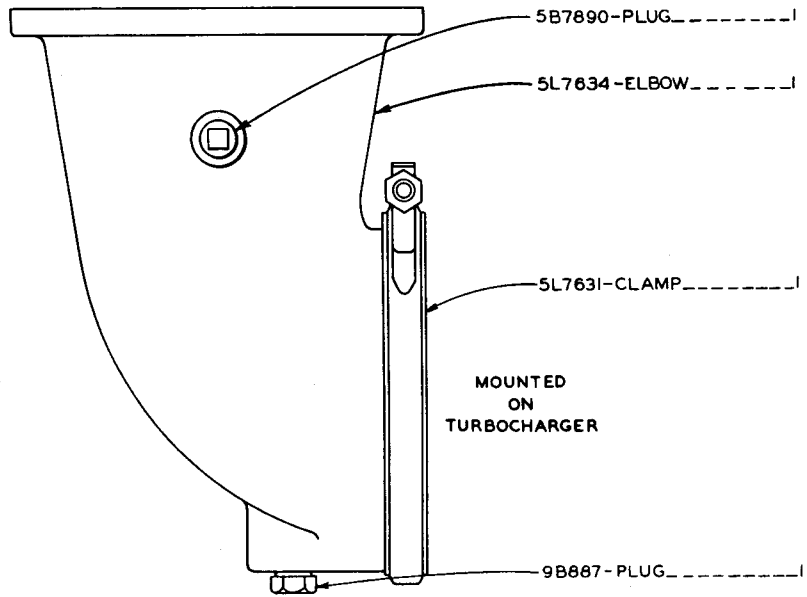
CA

C INDICATES CHANGE

11	5L7931	ELBOW-----	1
12	4L2768	PLUG-----	1
13	5L6926	HOSE-----	1
14	5P600	CLAMP-----	2

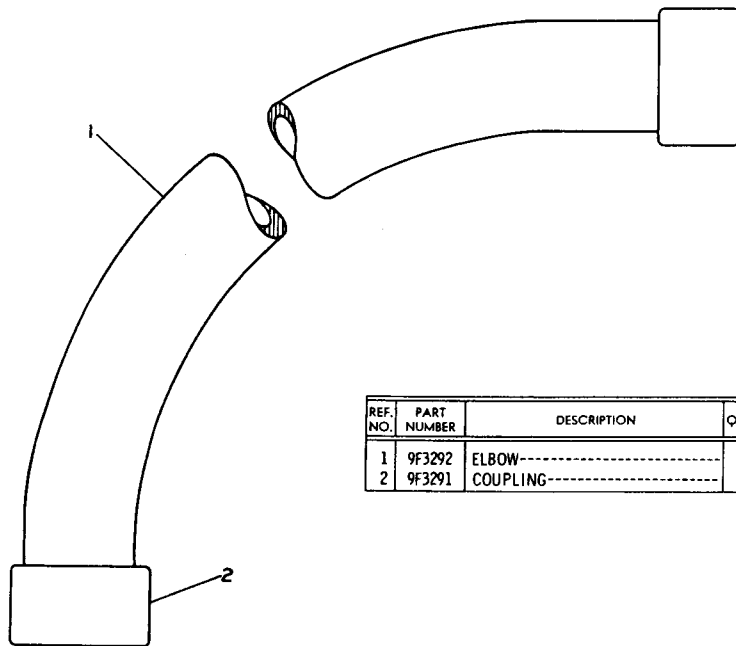
ORDER BY THE CENTIMETRE

204125



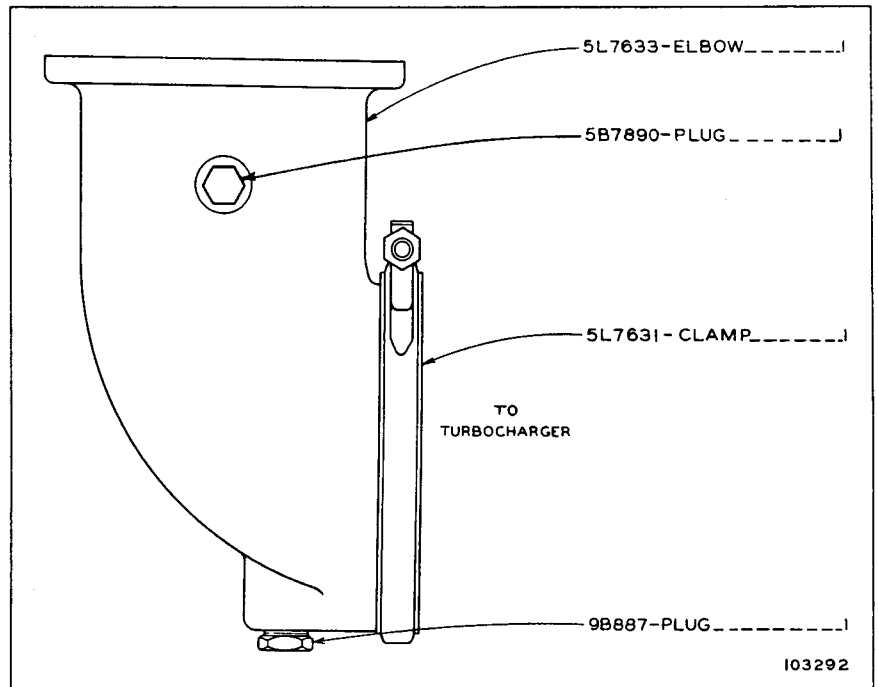
100243

5L7661 EXHAUST ELBOW GROUP—5 Inch
FOR USE WITH WATER SHIELDED HOT TURBOCHARGERS
Note: 3L2998 Rain Cap is available
AN ATTACHMENT

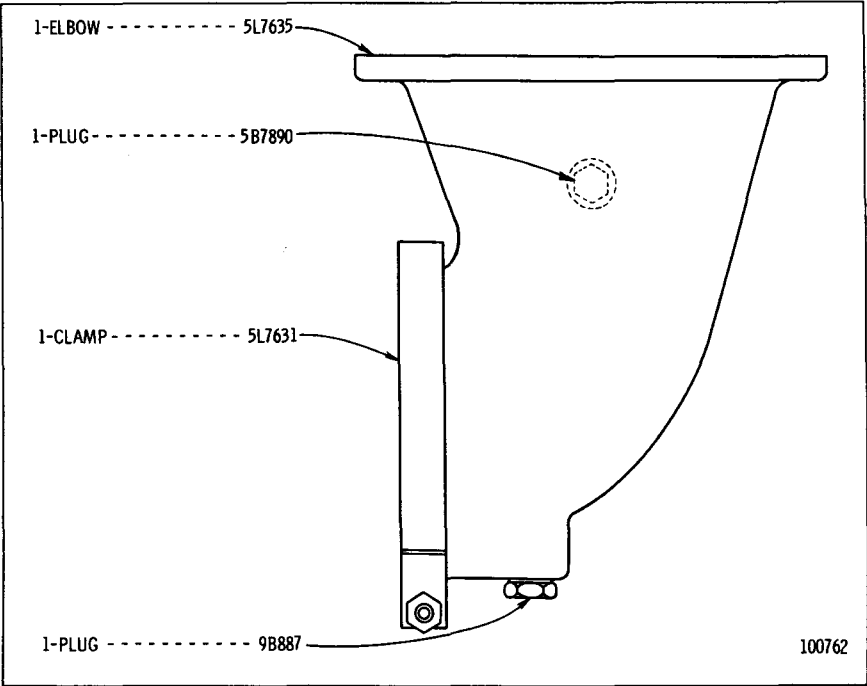


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	9F3292	ELBOW-----	1
2	9F3291	COUPLING-----	2

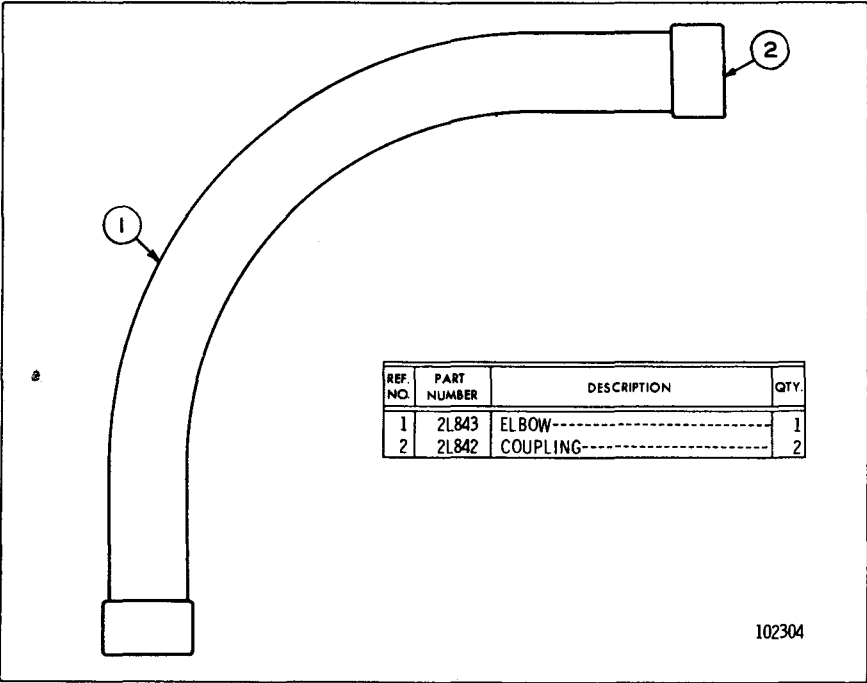
107749

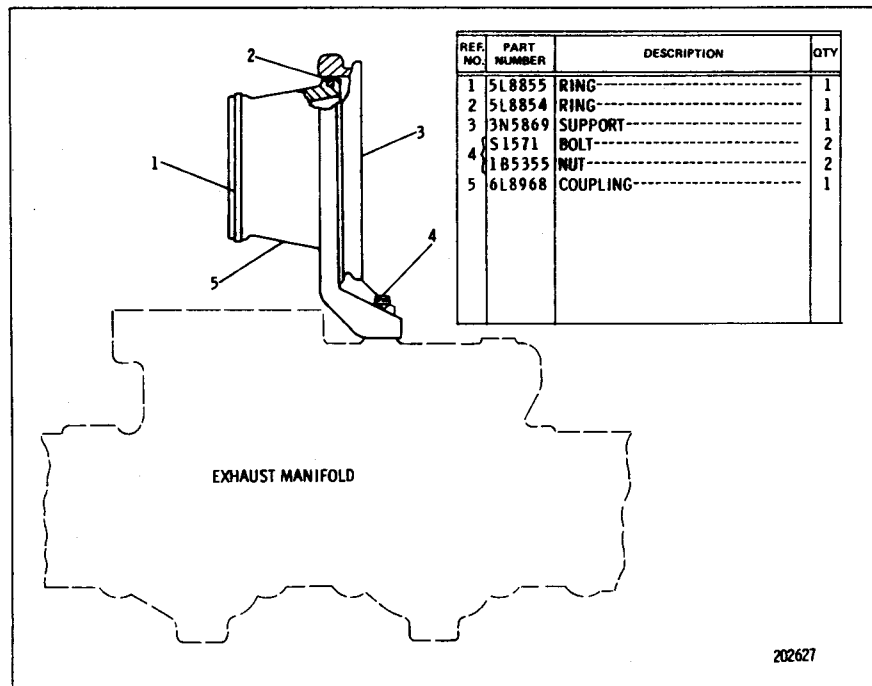


5L7660 EXHAUST ELBOW GROUP—4 Inch
AN ATTACHMENT

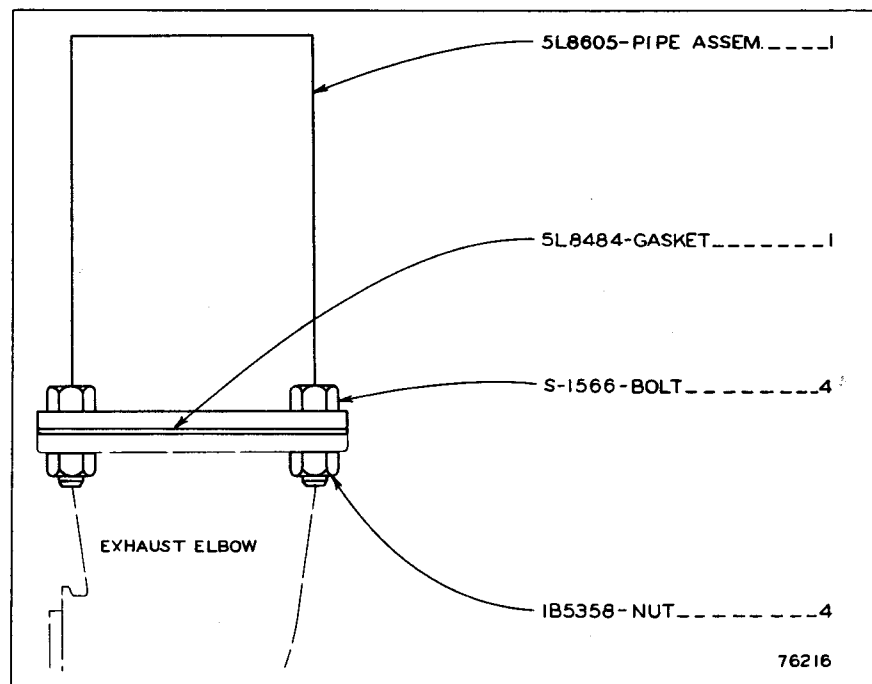


6L2927 EXHAUST ELBOW GROUP—6 Inch
AN ATTACHMENT

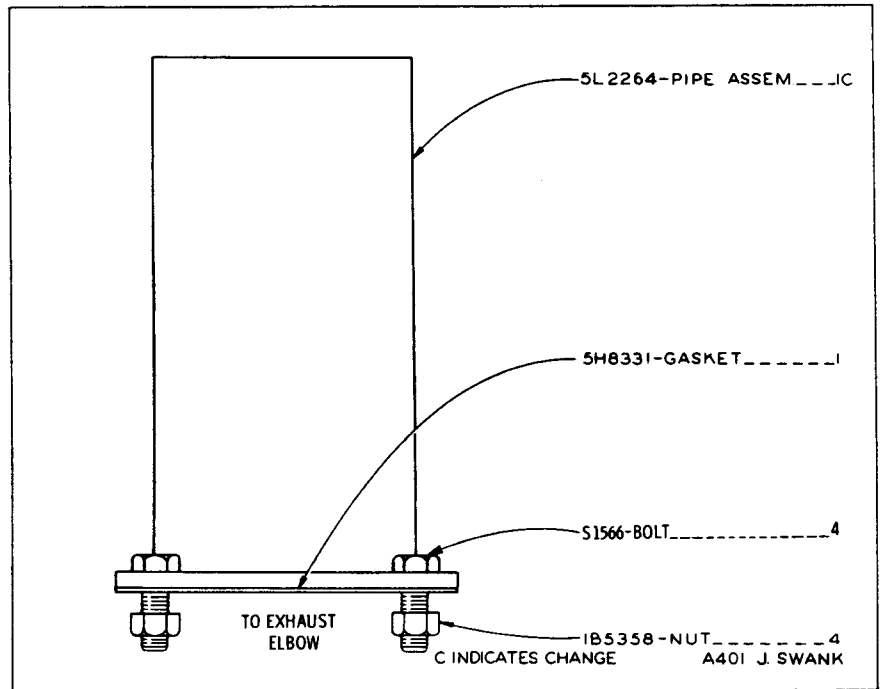




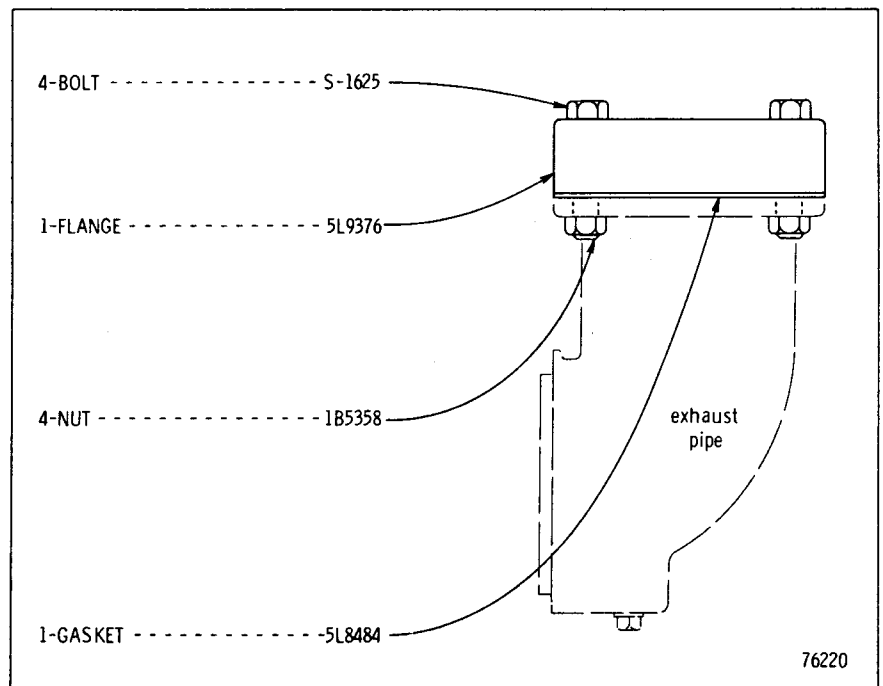
3N5870 EXHAUST ELBOW ADAPTER GROUP
AN ATTACHMENT



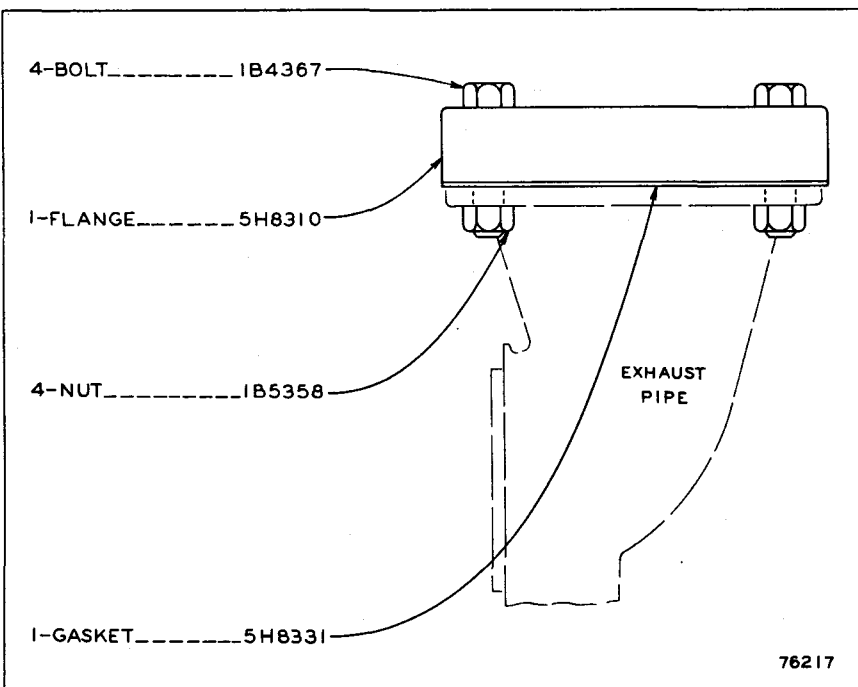
5L8632 EXHAUST PIPE GROUP—5 Inch
AN ATTACHMENT



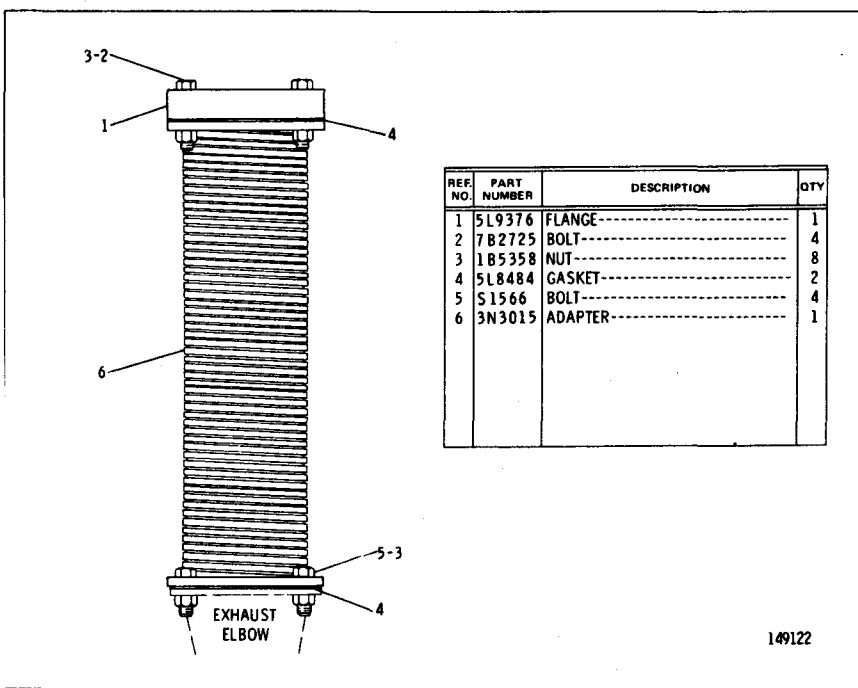
4L5801 EXHAUST PIPE GROUP—6 Inch
Only separate parts serviced. AN ATTACHMENT



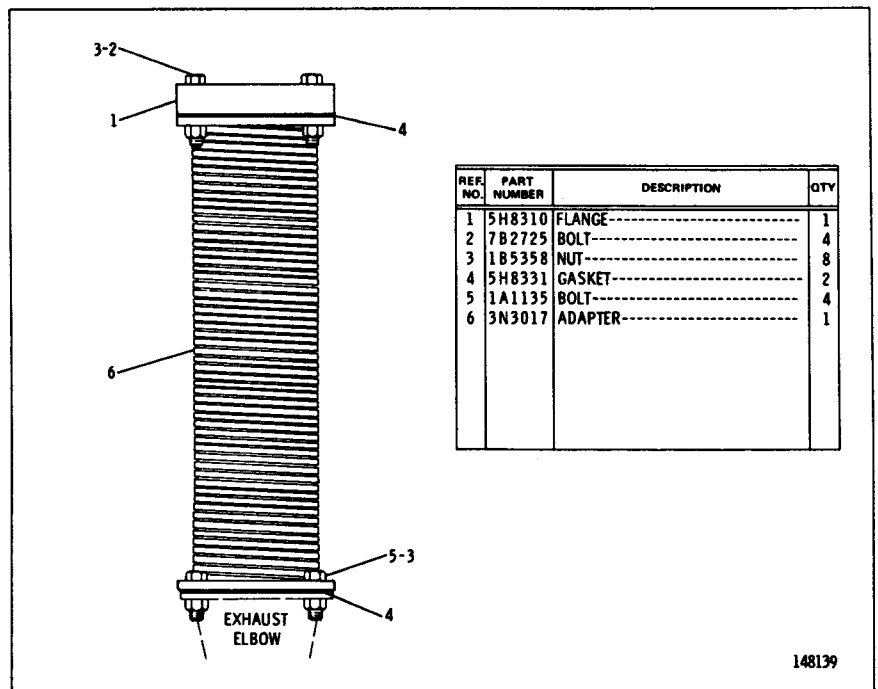
76220



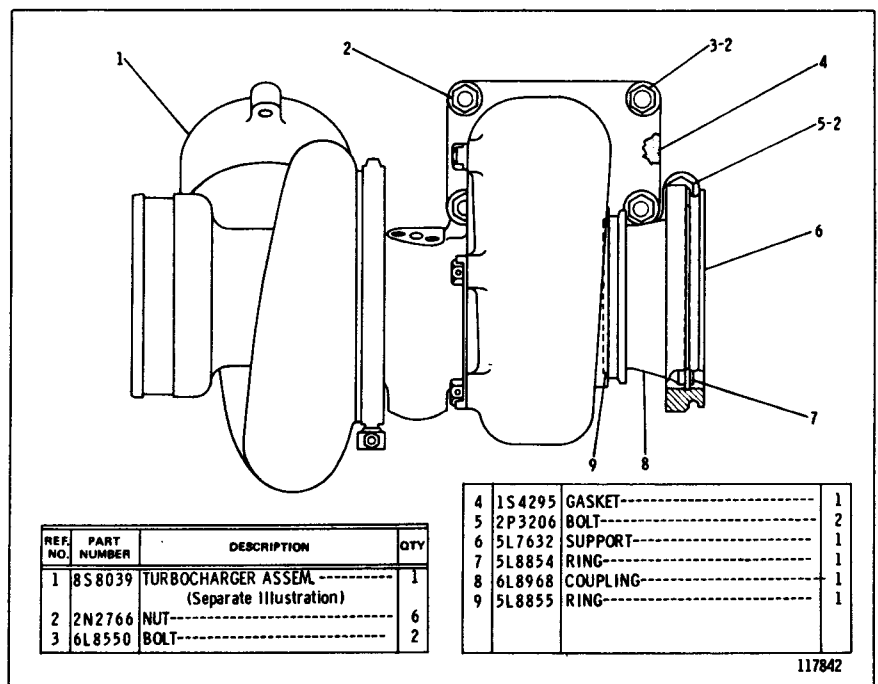
5L8601 EXHAUST FLANGE GROUP—6 Inch
AN ATTACHMENT

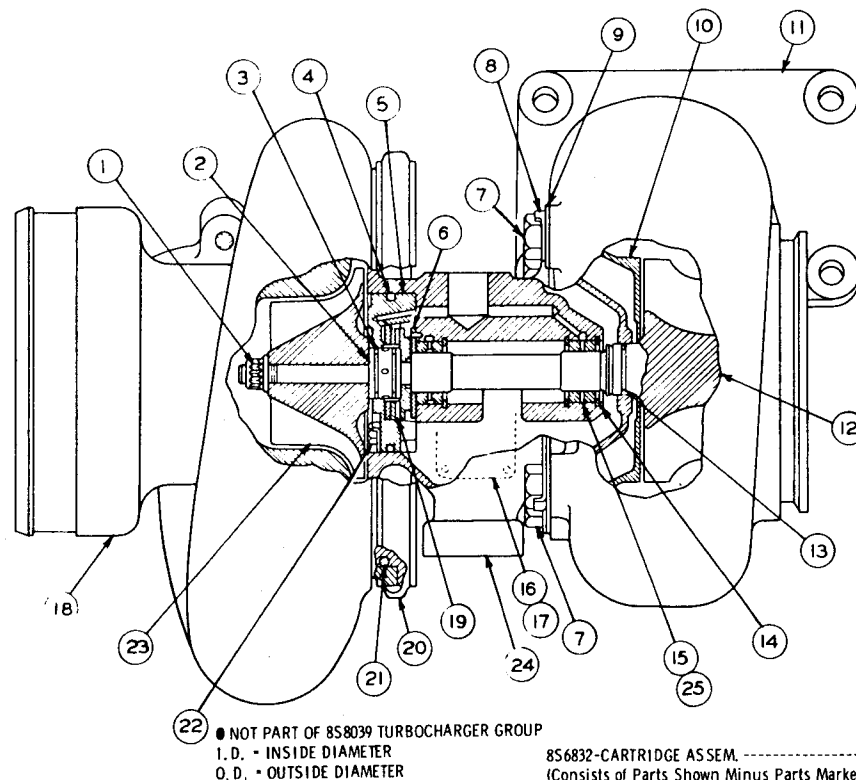


3N3016 VERTICAL EXHAUST FITTING GROUP—5 Inch



3N3018 EXHAUST FITTING GROUP—Vertical—6 Inch
AN ATTACHMENT

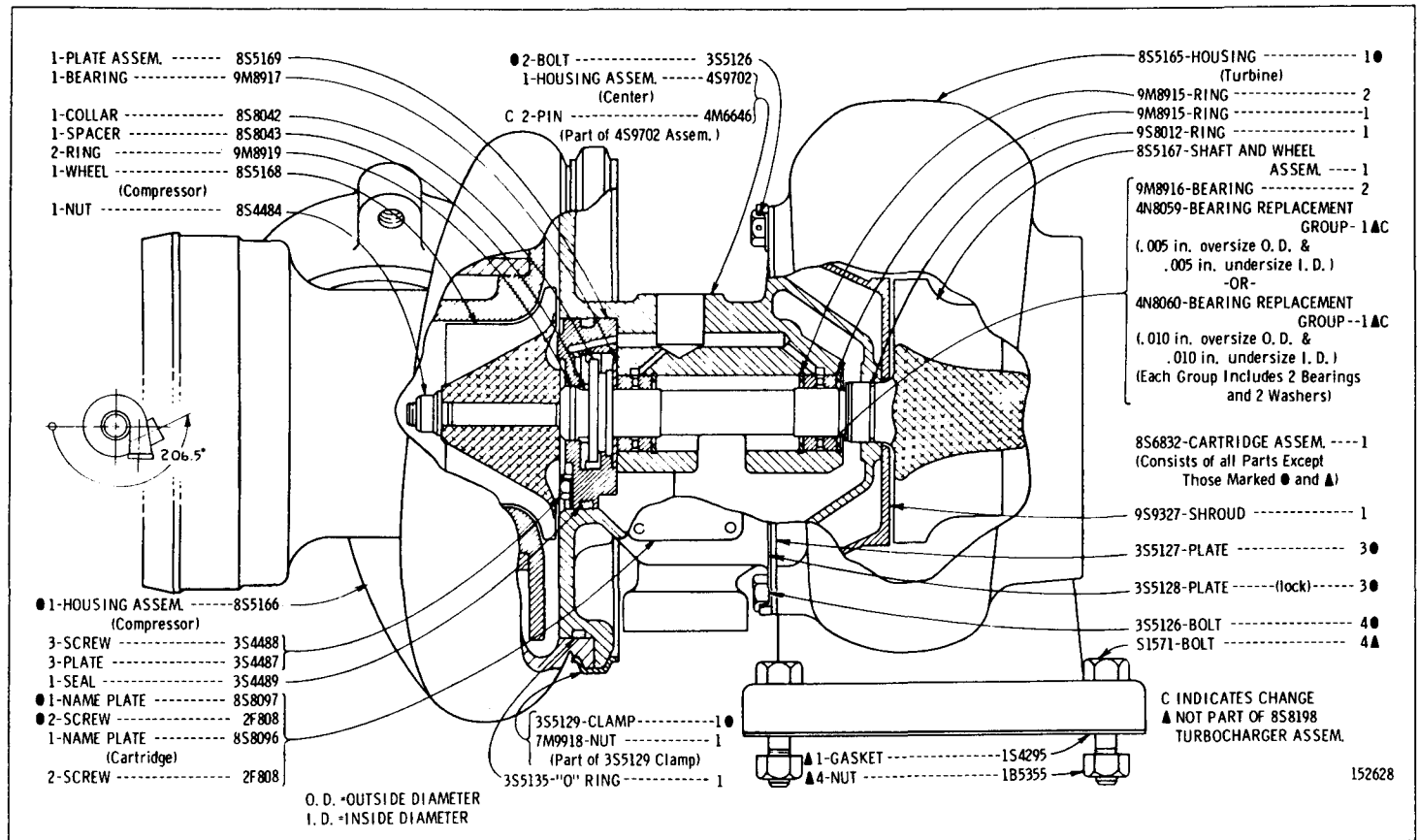


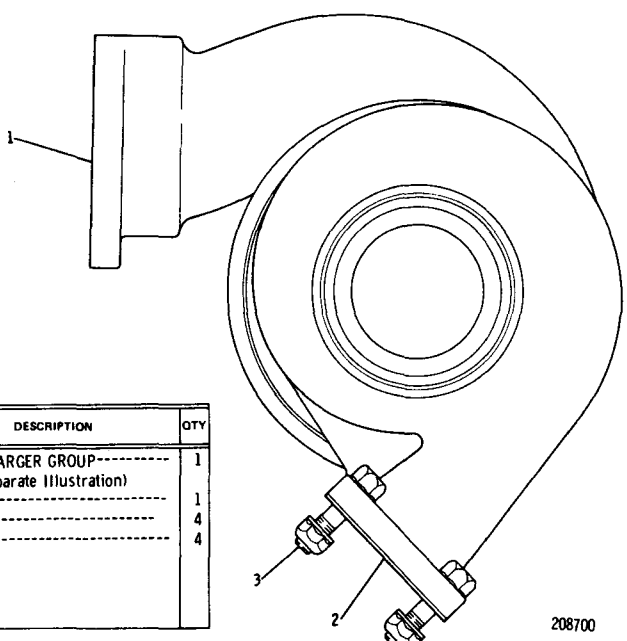


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3S4484	NUT-----	1
2	8S8043	SPACER-----	1
3	9M8919	RING-----	2
4	3S4489	SEAL-----	1
5	8S5169	PLATE ASSEM.-----	1
6	9M8917	BEARING-----	1
7	3S5126	BOLT-----	6
▲ 8	3S5128	PLATE----- (lock)	3
▲ 9	3S5127	PLATE-----	3
10	9S9327	SHROUD-----	1
▲ 11	8S5165	HOUSING----- (turbine)	1
12	8S5167	SHAFT AND WHEEL ASSEM.-----	1
13	9S8012	RING-----	1
14	9M8915	RING-----	3
15	9M8916	BEARING-----	2
16	8S8096	NAMEPLATE-----	1
17	2F808	SCREW-----	2
▲ 17	8S8097	NAMEPLATE-----	1
17	2F808	SCREW-----	2
▲ 18	8S5166	HOUSING ASSEM.--- (compressor)---	1
19	8S8042	COLLAR-----	1
20	3S5129	CLAMP-----	1
▲ 20	(Includes)		
20	7M9918	NUT-----	1
21	3S5135	SEAL-----	1
22	3S4488	SCREW-----	3
22	3S4487	PLATE----- (lock)	3
23	8S5168	WHEEL----- (compressor)---	1
24	4S9702	HOUSING ASSEM.--- (center)---	1
24	(Includes)		
C	4M6646	PIN-----	2
C	4N8059	BEARING REPLACEMENT GROUP--- .005 in. Oversize O. D. & .005 in. Undersize I. D. -OR-	1
C	4N8060	BEARING REPLACEMENT GROUP--- .010 in. Oversize O. D. & .010 in. Undersize I. D. (Each Group Includes 2 Bearings & 2 Washers)	1

8S8039 TURBOCHARGER ASSEMBLY
Part of Turbocharger shown on Page 99

8S8198 TURBOCHARGER ASSEMBLY (8S8200 N/S)
 Only separate parts serviced
 When complete assembly is required order 8S8039 shown on Page 100



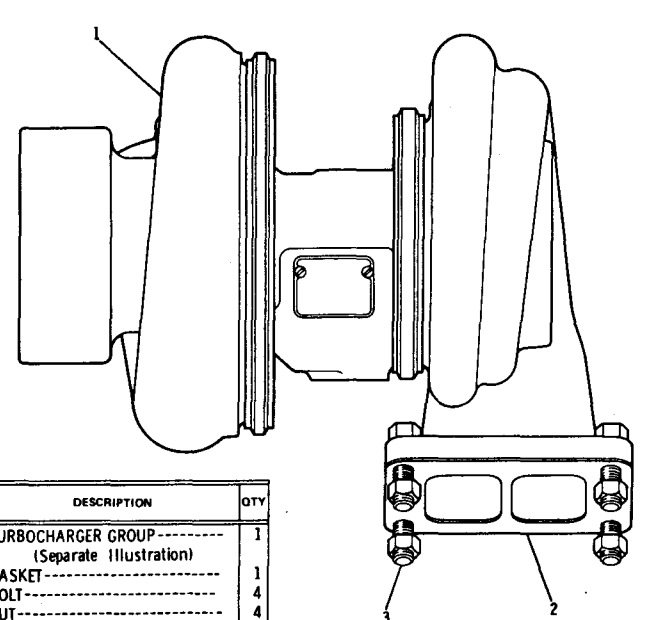


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N3678	TURBOCHARGER GROUP----- (Separate Illustration)	1
2	1S4295	GASKET-----	1
3	8M2295	BOLT-----	4
3	8M2296	NUT-----	4

6N3477 TURBOCHARGER GROUP

Serial No. 66D16503-Up

6N3678 Turbocharger parts are shown on Page 100C

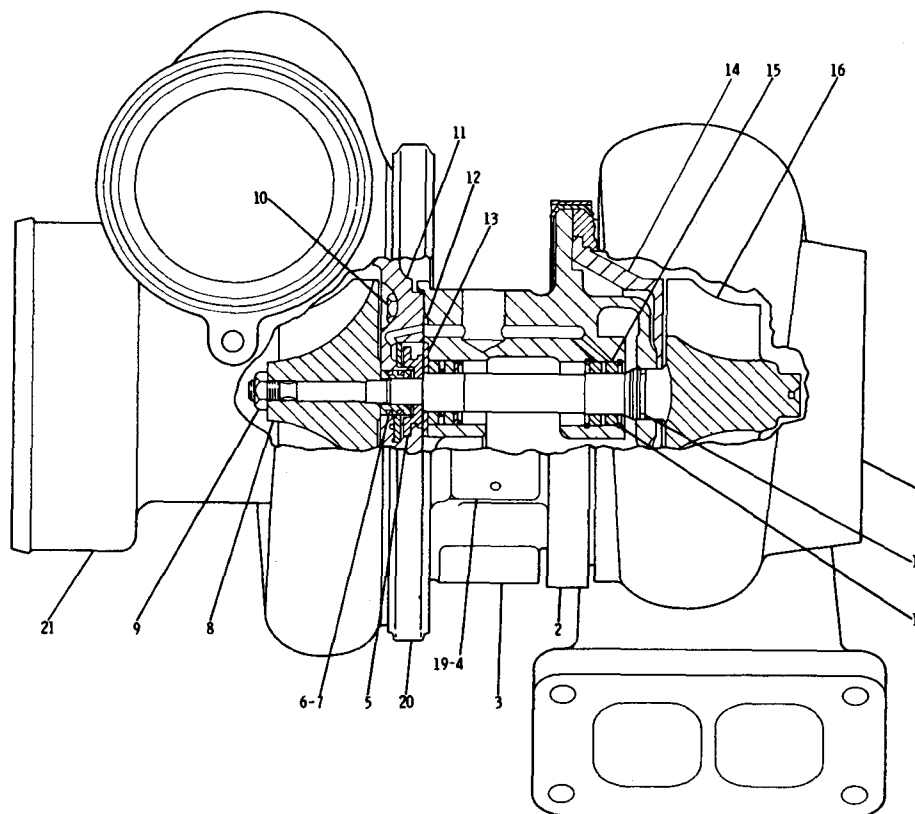


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N3810	TURBOCHARGER GROUP----- (Separate Illustration)	1
2	1S4295	GASKET-----	1
3	8M2295	BOLT-----	4
3	2N2766	NUT-----	4

6N3744 TURBOCHARGER GROUP

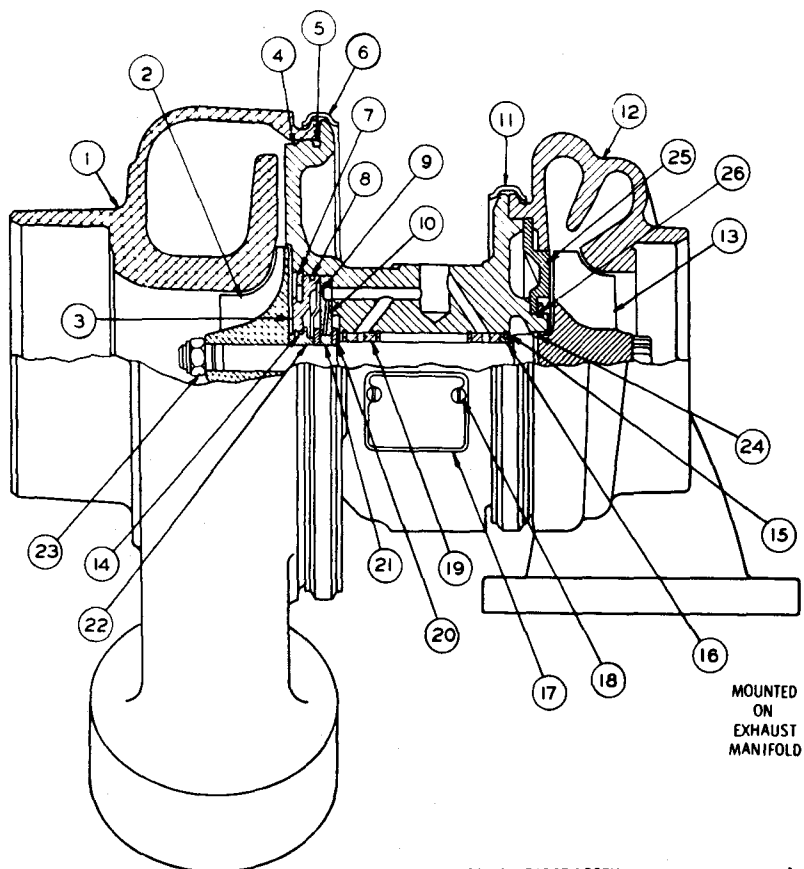
Serial No. 66D17936-Up

6N3678 TURBOCHARGER GROUP
 Serial No. 66D16503-Up
 Part of 6N3477 Turbocharger Group shown on Page 100B



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N6615	HOUSING------(turbine)-----	1
	9N2038	CLAMP ASSEM.-----	1
2		(Includes)	
	7M9918	NUT-----	1
	6N6612	CARTRIDGE ASSEM.-----	1
		(Includes)	
3	9N2035	HOUSING ASSEM.-----	1
		(Includes)	
	4M6646	PIN-----	2
4	9N2047	NAMEPLATE------(cartridge)-----	1
	2F808	SCREW-----	2
5	9M8911	COLLAR-----	1
6	9M8919	RING-----	2
7	9N2046	SPACER-----	1
8	6N6609	WHEEL-----	1
9	3S4484	NUT-----	1
	5S1616	BOLT-----	4
10	9N2036	PLATE------(lock)-----	4
11	6N6610	BACKPLATE ASSEM.-----	1
12	1P1120	RING-----	1
13	6N5004	BEARING-----	1
14	9S9327	SHROUD-----	1
15	9N2041	KIT------(bearing)-----	1
		(Includes 2 bearings and 2 washers)	
16	6N6611	SHAFT AND WHEEL ASSEM.-----	1
17	9L6245	RING-----	1
18	9M8915	RING-----	3
19	9N2044	NAMEPLATE-----	1
	2F808	SCREW-----	2
20	3S5129	CLAMP-----	1
21	6N6613	HOUSING ASSEM.------(compressor)-----	1

208701



REF. NO.	PART NUMBER	DESCRIPTION	QTY
▲ 1	4N3755	COVER----- (compressor)-----	1
2	9N2378	WHEEL-----	1
3	5S4556	INSERT-----	1
4	4N9540	HOUSING ASSEM.-----	1
		(Includes)	
	5S5199	PIN-----	2
● 5	5S4554	SEAL-----	1
	5S4558	CLAMP ASSEM.-----	1
▲ 6		(Includes)	
	7M9918	NUT-----	1
● 7	5S4546	RING----- (beveled)-----	1
● 8	5P5757	SEAL-----	1
● 9	5S4549	DEFLECTOR-----	1
10	8S9223	BEARING-----	1
	5S4517	CLAMP ASSEM.-----	1
▲ 11		(Includes)	
	7M9918	NUT-----	1
▲ 12	8S9226	HOUSING----- (turbine)-----	1
13	8S4989	WHEEL ASSEM.-----	1
● 14	4M8013	RING-----	2

4N9534-CARTRIDGE ASSEM.-----1
(Consists of Parts Shown minus Parts Marked ▲)

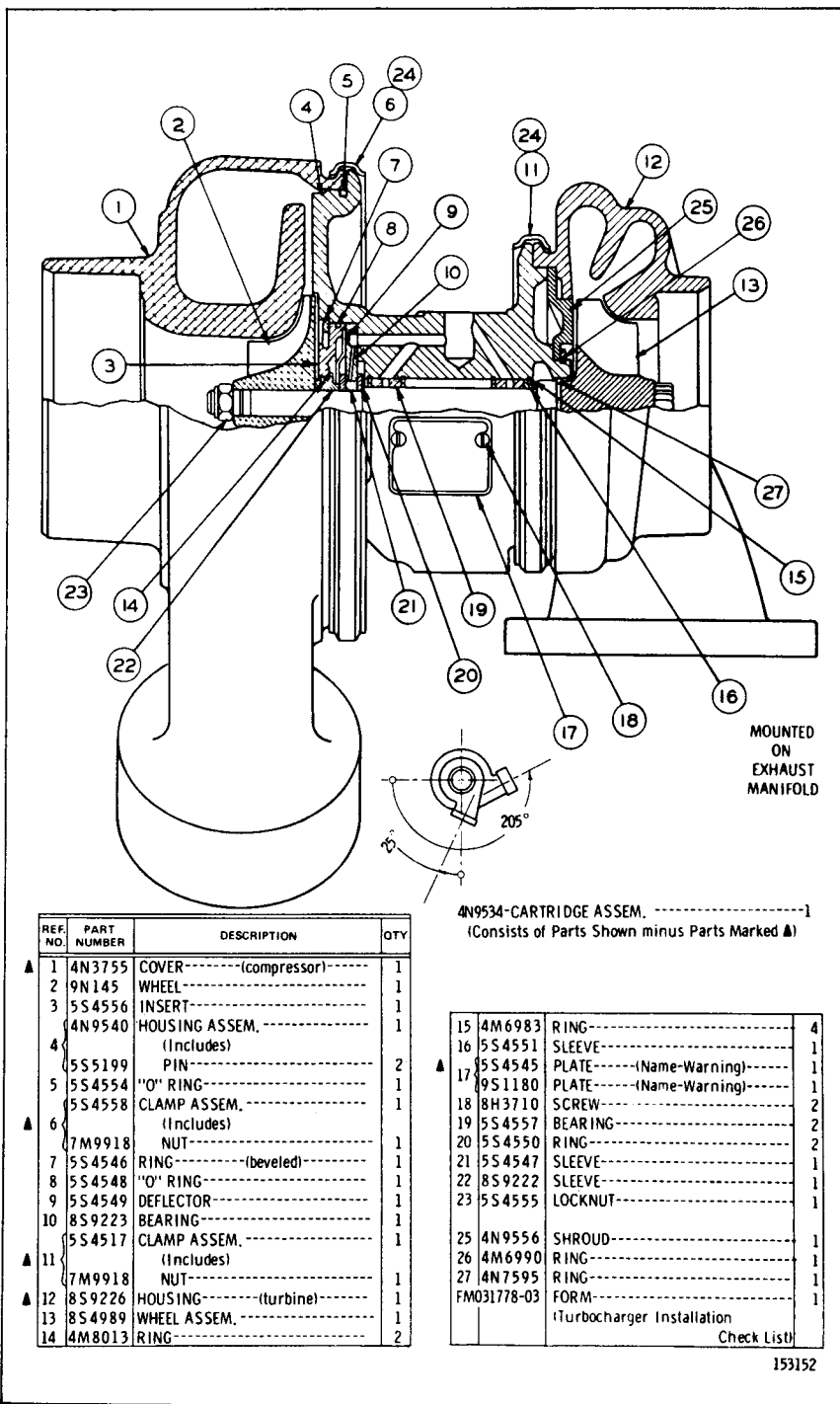
● 15	4M6983	RING-----	4
● 16	5S4551	SLEEVE-----	1
● 17	5S4545	PLATE----- (name-warning)-----	1
● 18	9S1180	PLATE----- (name-warning)-----	1
● 19	8H3710	SCREW-----	2
● 20	5S4557	BEARING-----	2
● 21	5S4550	RING-----	2
● 22	5S4547	SLEEVE-----	1
● 23	8S9222	SLEEVE-----	1
● 24	5S4555	LOCKNUT-----	1
● 25	4N7595	RING-----	1
● 26	4N9556	SHROUD-----	1
	4M6990	RING-----	1
THE FOLLOWING REPAIR KIT IS AVAILABLE:			
●	6N7245	KIT-----	1
(Consists of parts marked ●)			
●	SMHS6777	FORM---(installation of turbocharger cartridge)	1

159527

6N3810 BASIC TURBOCHARGER GROUP

Serial No. 66D17936-Up

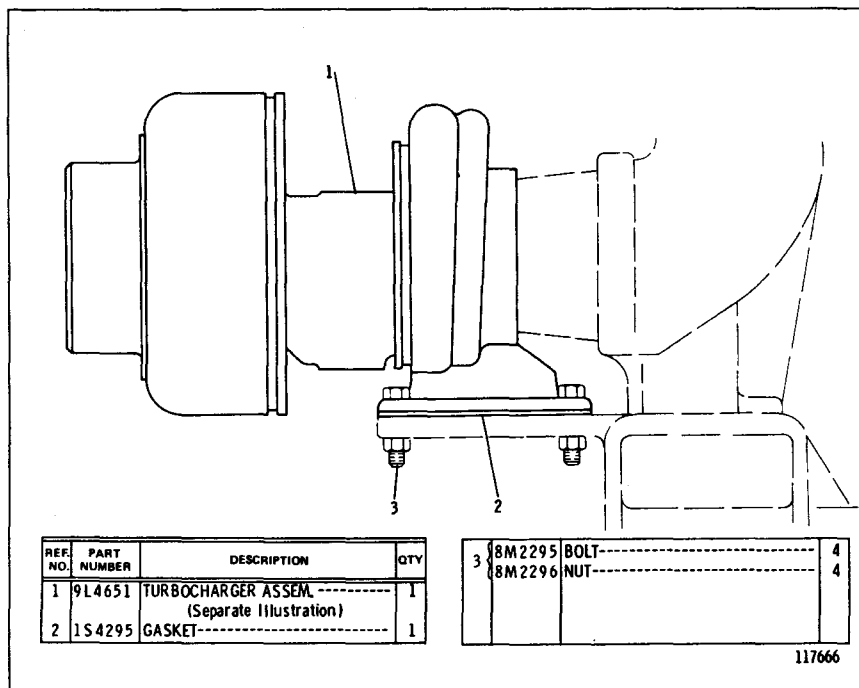
Part of 6N3744 Turbocharger Group shown on Page 100B



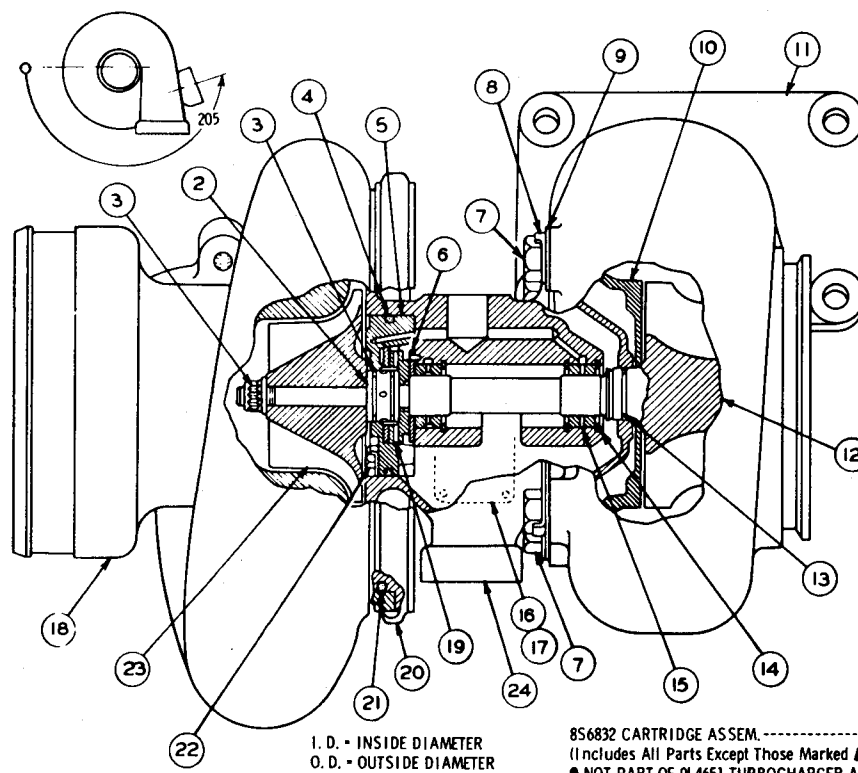
9N1280 TURBOCHARGER GROUP

Serial No. 66D17936-Up

Provides Field Replacement for 6N3810 Turbocharger Group



TURBOCHARGER (3N6970 N/S)
9L4651 Turbocharger parts are shown on Page 102



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3S4484	NUT-----	1
2	8S8043	SPACER-----	1
3	9M8919	RING-----	2
4	3S4489	SEAL-----	2
5	8S5169	PLATE ASSEM.-----	1
6	9M8917	BEARING-----	1
7	3S5126	BOLT-----	6
8	3S5128	PLATE----- (lock)-----	3
9	3S5127	PLATE-----	3
10	9S9327	SHROUD-----	1
11	8S5165	HOUSING----- (turbine)-----	1
12	8S5167	SHAFT AND WHEEL ASSEM.-----	1
13	9S8012	RING-----	1
14	9M8915	RING-----	3
15	9S7545	KIT----- (includes 2 bearings)-----	1
16	8S8096	NAMEPLATE-----	1
17	2F808	SCREW-----	2
18	8S8097	NAMEPLATE-----	1
19	2F808	SCREW-----	2
20	8S5166	HOUSING ASSEM. -- (compressor) --	1
21	8S8042	COLLAR-----	1
22	3S5129	CLAMP-----	1
23	(Includes)	NUT-----	1
24	7M9918	NUT-----	1
25	3S5135	SEAL-----	1
26	3S4488	SCREW-----	3
27	3S4487	PLATE----- (lock)-----	3
28	8S5168	WHEEL----- (compressor)-----	1
29	4S9702	HOUSING ASSEM. ----- (center)-----	1
30	(Includes)	PIN-----	2
31	4M6646	PIN-----	2
32	4N8059	BEARING REPLACEMENT GROUP-----	1
33	(.005 in. Oversize O. D. & .005 in. Undersize I. D.)	-OR-	
34	4N8060	BEARING REPLACEMENT GROUP-----	1
35	(.010 in. Oversize O. D. & .010 Undersize I. D.)	(Each Group Includes 2 Bearings & 2 Washers)	

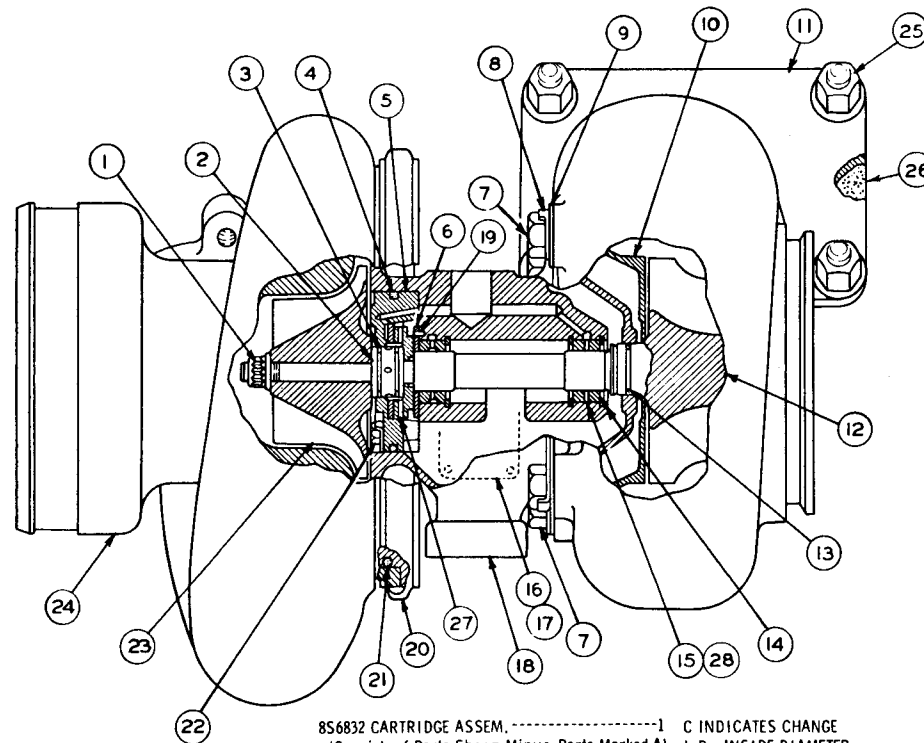
C INDICATES CHANGE

152626

9L4651 TURBOCHARGER ASSEMBLY
Part of Turbocharger shown on Page 101

Only separate parts serviced. When complete assembly is required order 8S8039 shown on Page 100

4N5501 TURBOCHARGER GROUP (3N3?80 N/S)
Part of 6N1109 Engine Procurement Arrangement listed on Page 16

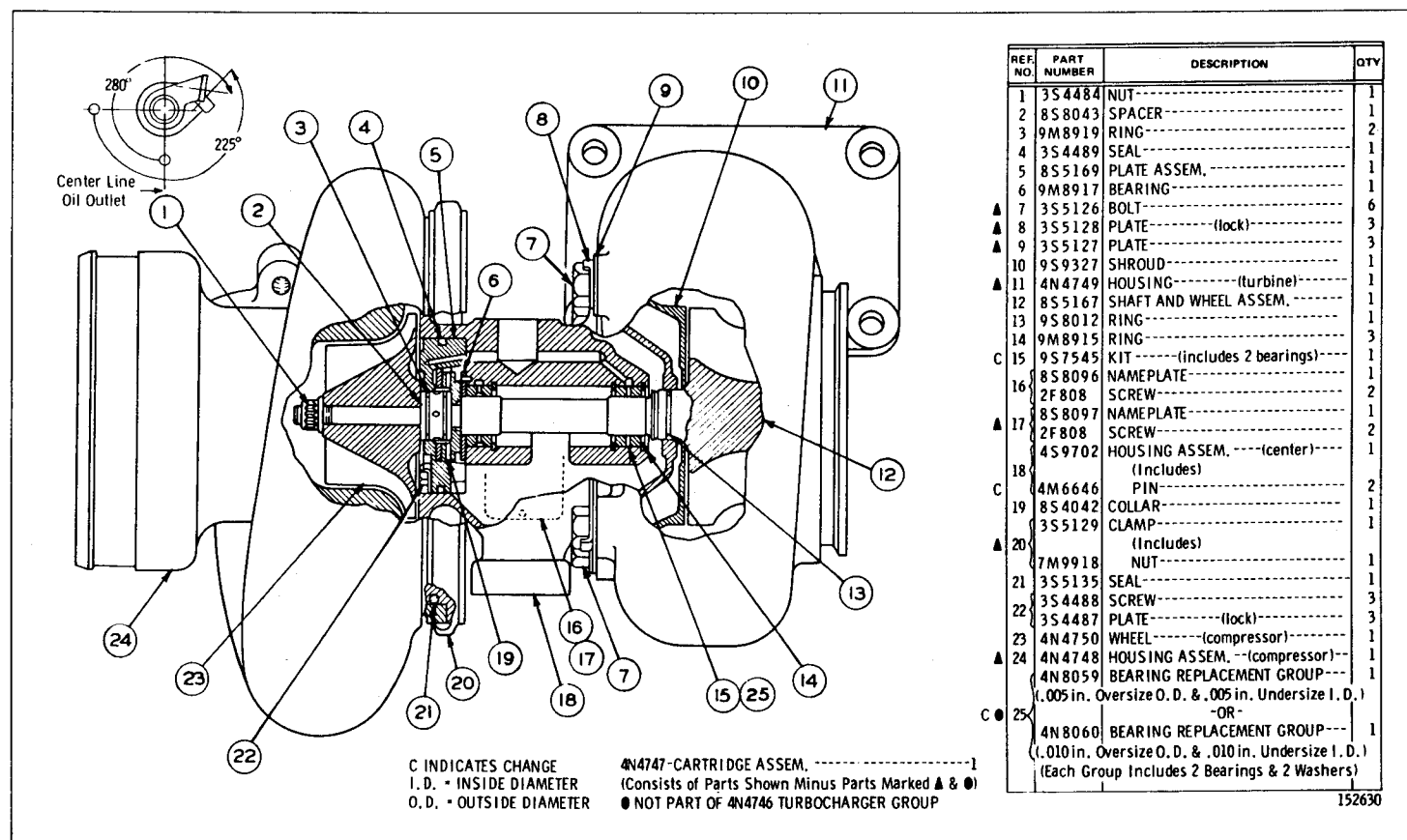


8S6832 CARTRIDGE ASSEM.-----1
(Consists of Parts Shown Minus Parts Marked ▲)
● NOT PART OF 4N5501 TURBOCHARGER ASSEM.

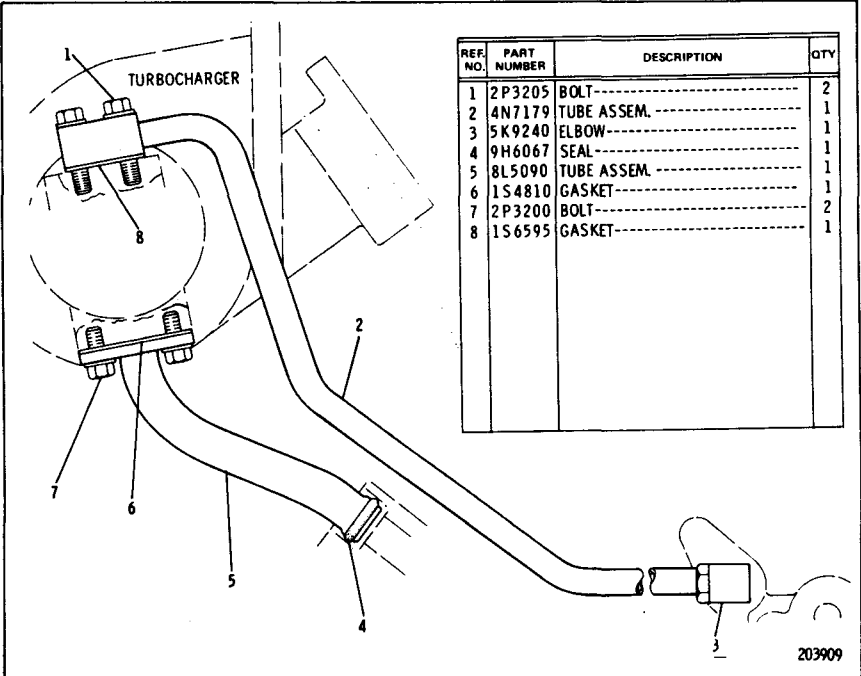
C INDICATES CHANGE
I. D. - INSIDE DIAMETER
O. D. - OUTSIDE DIAMETER

152625

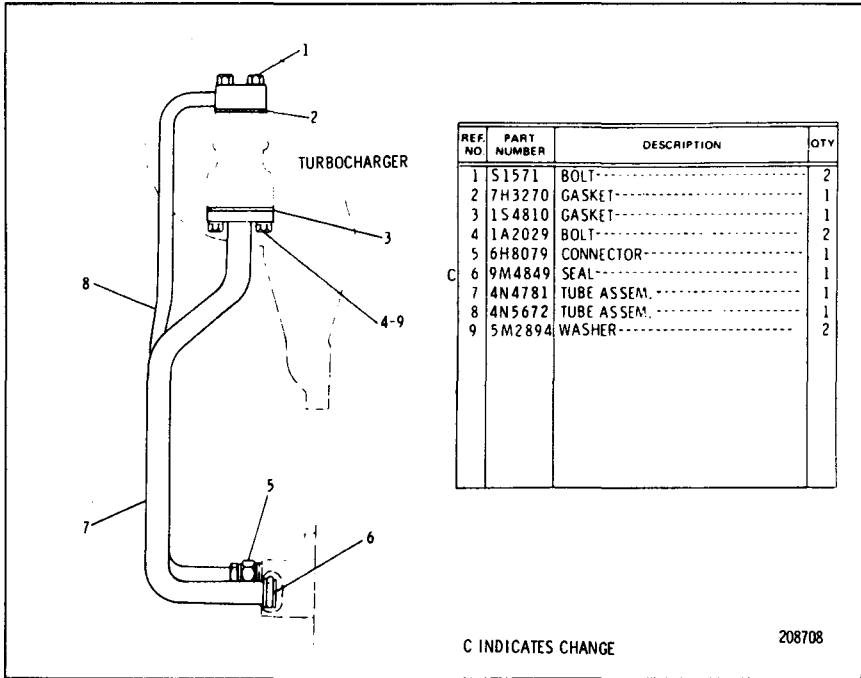
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3S4484	NUT-----	1
2	8S8043	SPACER-----	1
3	9M8919	RING-----	2
4	3S4489	SEAL-----	1
5	3S5169	PLATE ASSEM.-----	1
6	9M8917	BEARING-----	1
7	3S5126	BOLT-----	6
8	3S5128	PLATE----- (lock)-----	3
9	3S5127	PLATE-----	3
10	9S9327	SHROUD-----	1
11	4N5502	HOUSING----- (turbine)-----	1
12	8S5167	SHAFT AND WHEEL ASSEM.-----	1
13	9S8012	RING-----	1
14	9M8915	RING-----	3
15	9S7545	KIT----- (includes 2 bearings)-----	1
16	8S8096	NAMEPLATE-----	1
17	2F808	SCREW-----	2
18	8S8097	NAMEPLATE-----	1
19	2F808	SCREW-----	2
20	4S9702	HOUSING ASSEM.----- (center)-----	1
21		(Includes)	
22	4M6646	PIN-----	2
23	3S5129	CLAMP-----	1
24		(Includes)	
25	7M9918	NUT-----	1
26	3S5135	SEAL-----	1
27	3S4488	SCREW-----	3
28	3S4487	PLATE----- (lock)-----	3
29	8S5168	WHEEL----- (compressor)-----	1
30	8S5166	HOUSING ASSEM.----- (compressor)-----	1
31	2N2766	NUT-----	4
32	1S4295	GASKET-----	1
33	8S8042	COLLAR-----	1
34	4N8059	BEARING REPLACEMENT GROUP-----	1
35		(.005 in. Oversize O. D. & .005 in. Undersize I. D.)	
36		-OR-	
37	4N8060	BEARING REPLACEMENT GROUP-----	1
38		(.010 in. Oversize O. D. & .010 in. Undersize I. D.)	
39		(Each Group Includes 2 Bearings & 2 Washers)	

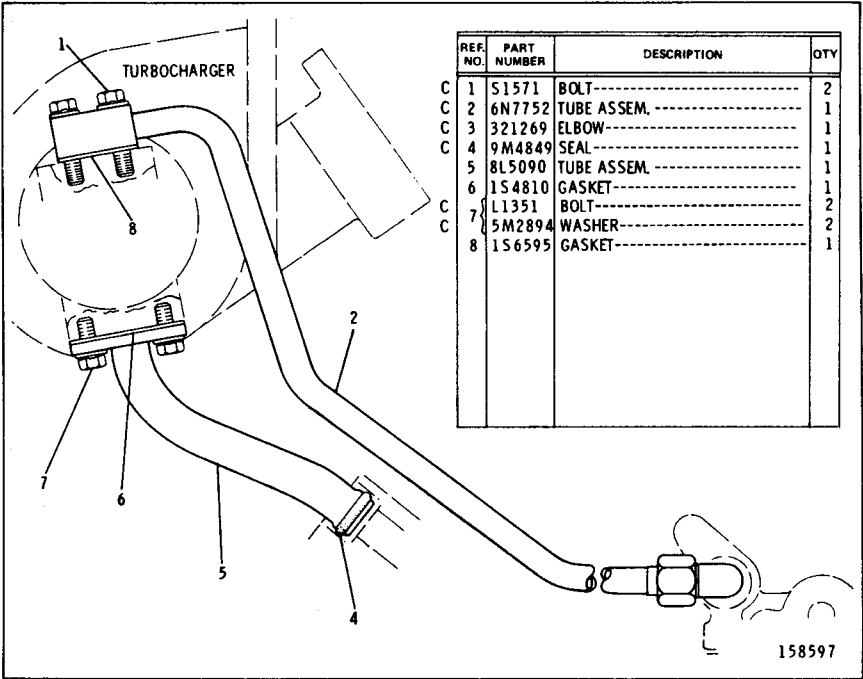


4N4746 TURBOCHARGER GROUP
FOR USE WITH 50 HERTZ ELECTRIC SET

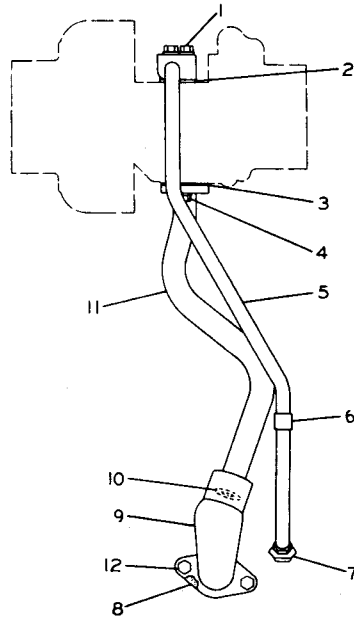


4N7122 TURBOCHARGER OIL LINES GROUP
Serial No. 66D12370 to 66D16948 inclusive





4N7122 TURBOCHARGER OIL LINES GROUP
Serial No. 66D16949-Up

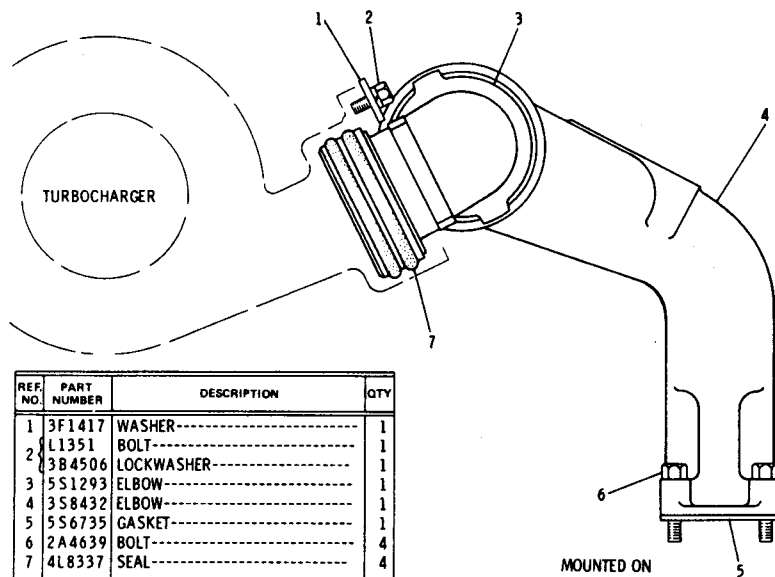


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2P3205	BOLT-----	2
2	7H3270	GASKET-----	1
3	1S4810	GASKET-----	1
4	2P3201	BOLT-----	2
5	2P7317	TUBE ASSEM.-----	1
6	8F8513	CLIP-----	1
7	8F6820	WASHER-----	1
8	9S7724	ELBOW-----	1
9	4M6480	GASKET-----	1
10	2P3948	ELBOW-----	1
11	9H6067	SEAL-----	1
12	2P2234	TUBE ASSEM.-----	1
C 12	2P3204	BOLT-----	2

C INDICATES CHANGE

144491

2P7316 TURBOCHARGER OIL LINES GROUP



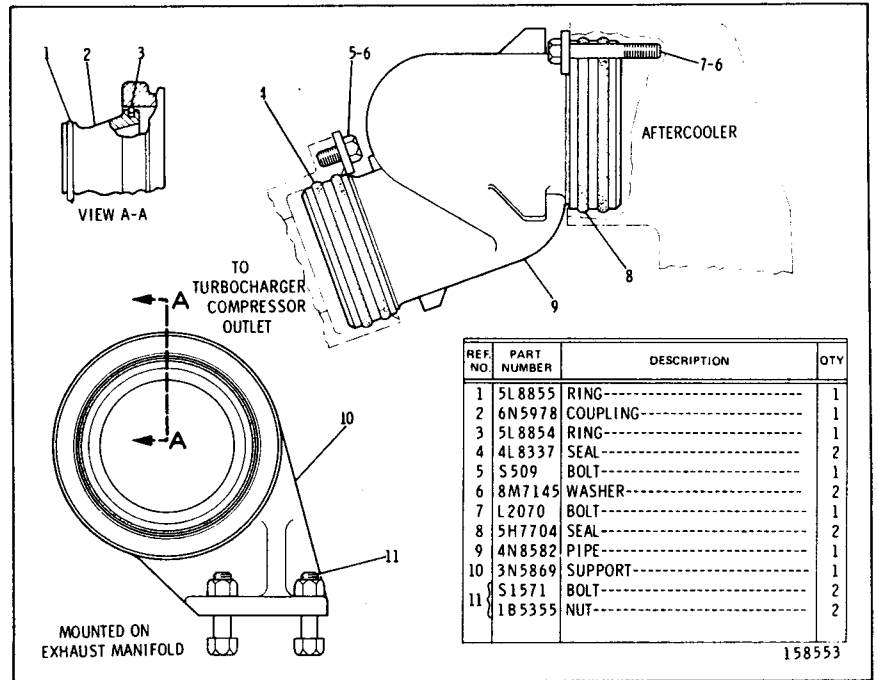
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3F1417	WASHER-----	1
2	L1351	BOLT-----	1
3	3B4506	LOCKWASHER-----	1
4	5S1293	ELBOW-----	1
5	3S8432	ELBOW-----	1
6	5S6735	GASKET-----	1
7	2A4639	BOLT-----	4
	4L8337	SEAL-----	4

MOUNTED ON
MANIFOLD

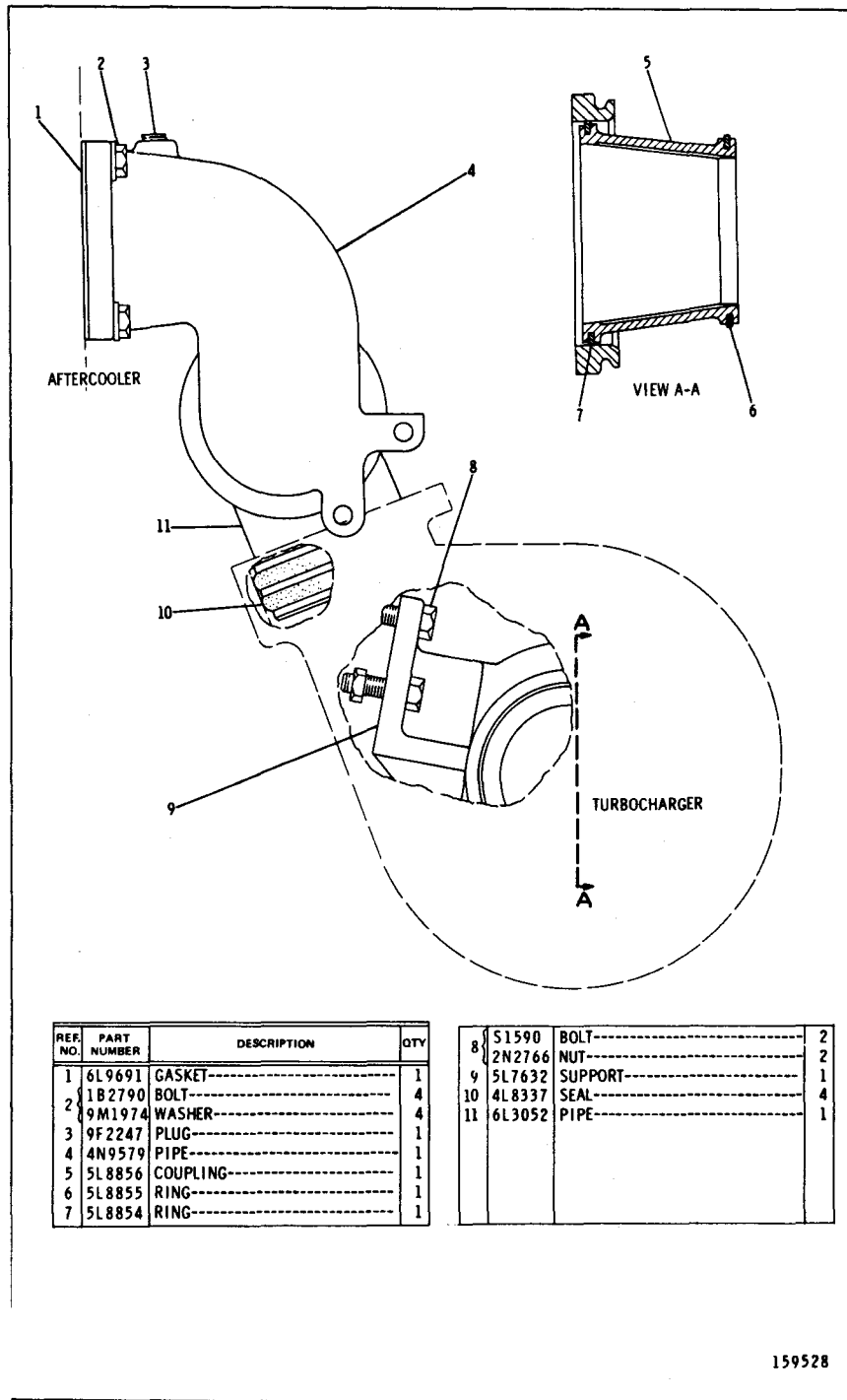
202630

3N8093 AIR LINES GROUP

Serial No. 66D12270 to 66D16502 inclusive



6N3322 AIR LINES GROUP
Serial No. 66D16503-Up



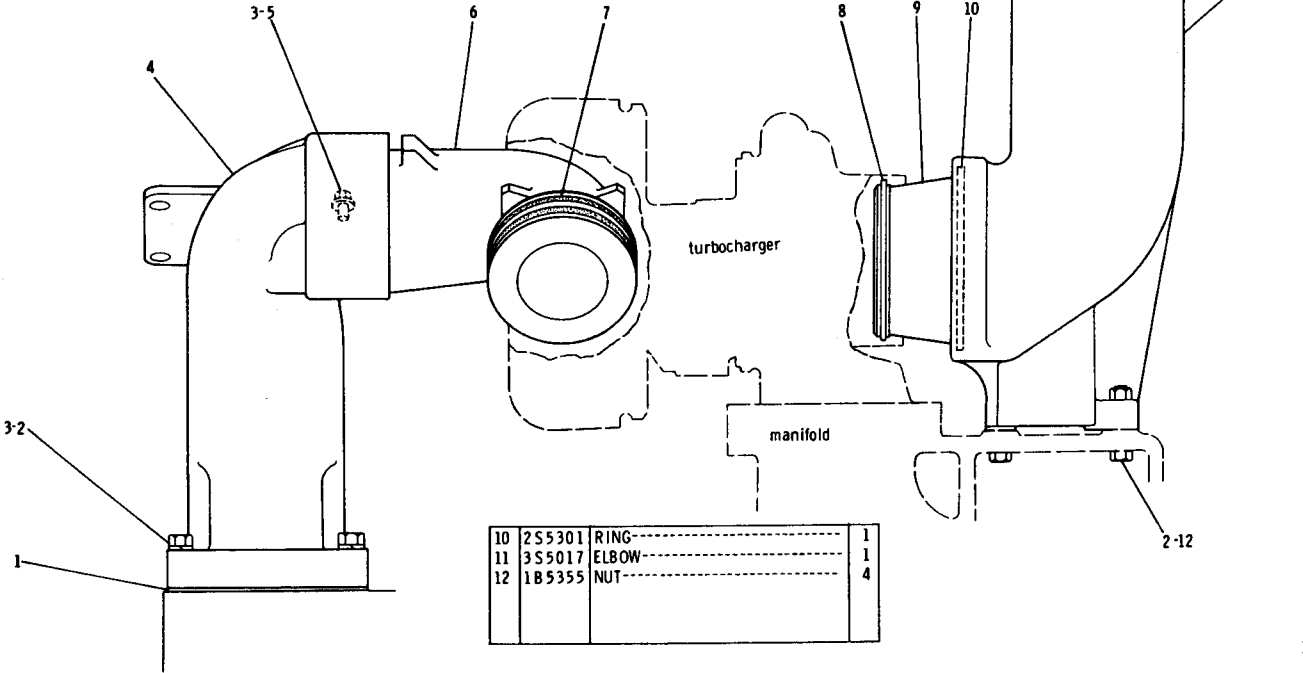
159528

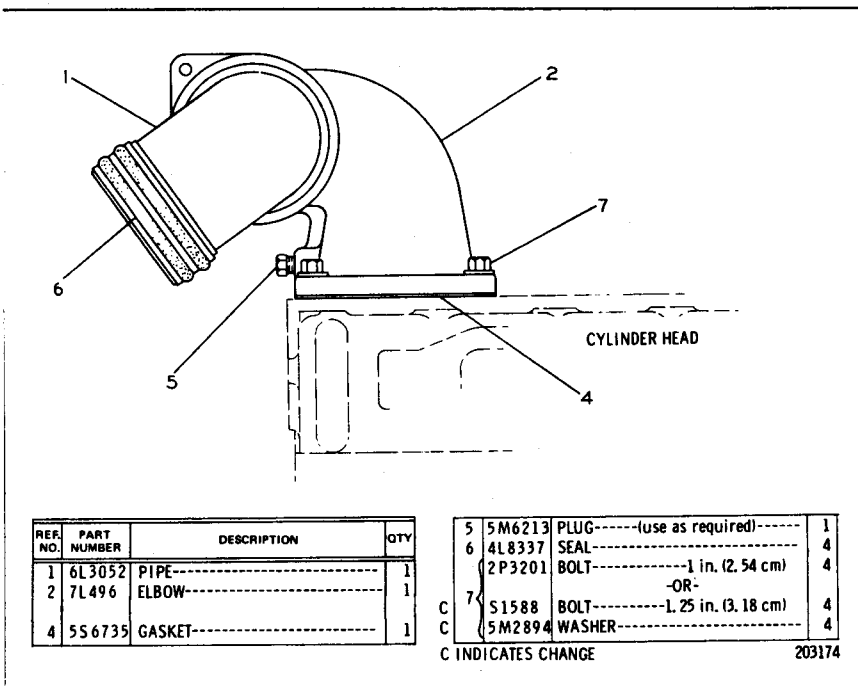
6N3746 AIR LINES GROUP
Serial No. 66D17936-Up

AIR LINES (3N6972 N/S)

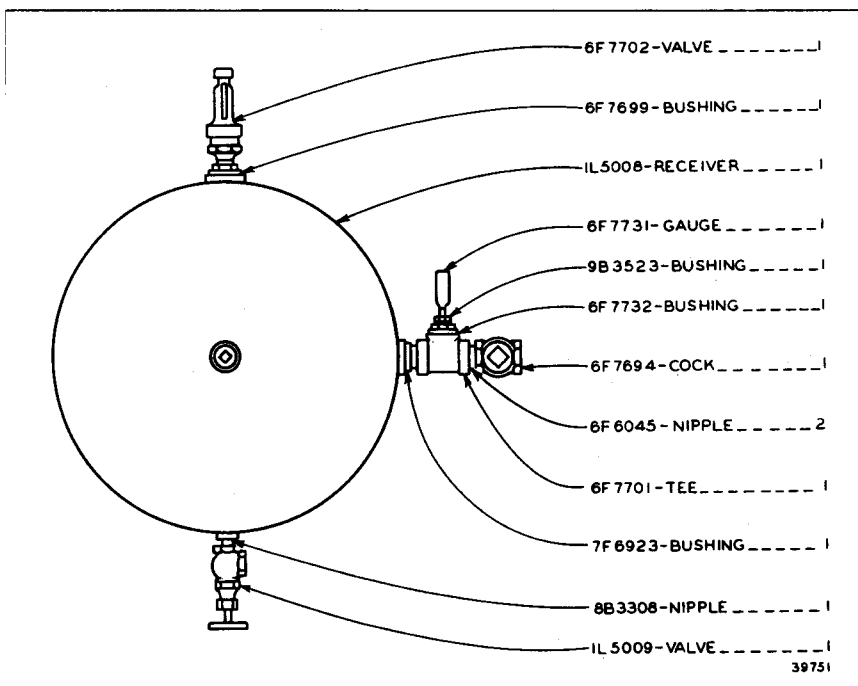
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	5S6735	GASKET-----	1
2	S1571	BOLT-----	8
3	3B4506	LOCKWASHER-----	5
4	3S8432	ELBOW-----	1

5	L1351	BOLT-----	1
6	3F1417	WASHER-----	1
7	5S1293	ELBOW-----	1
8	4L8337	SEAL-----	4
9	5L8855	RING-----	1
10	3S6263	COUPLING-----	1

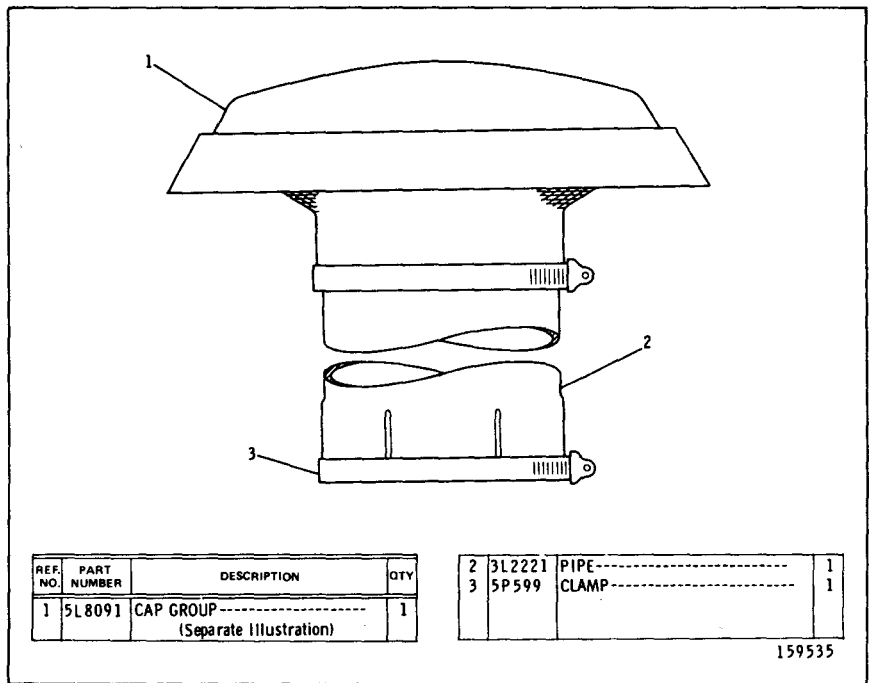




AIR LINES (3N2880 N/S)



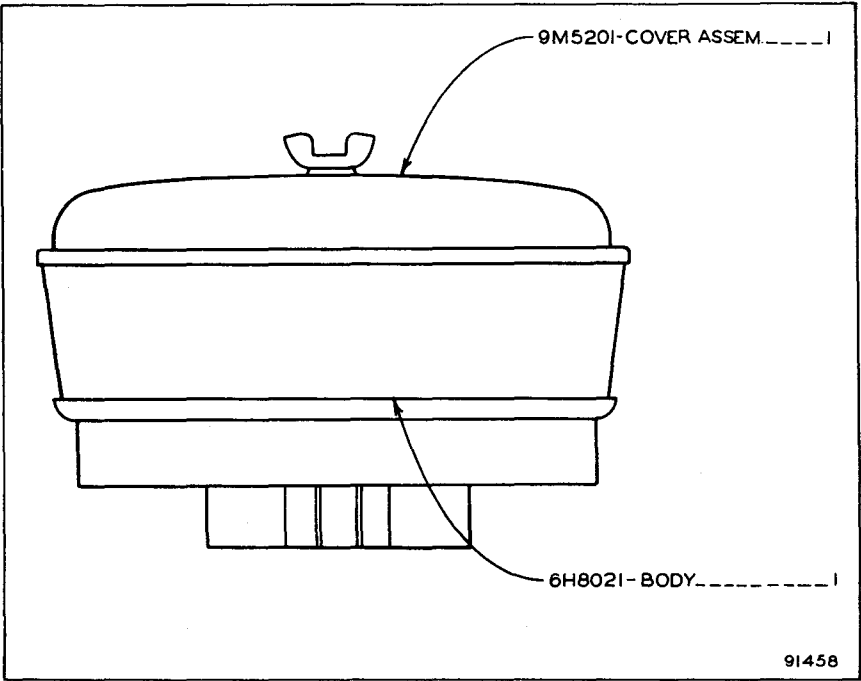
1L5010 AIR RECEIVER GROUP



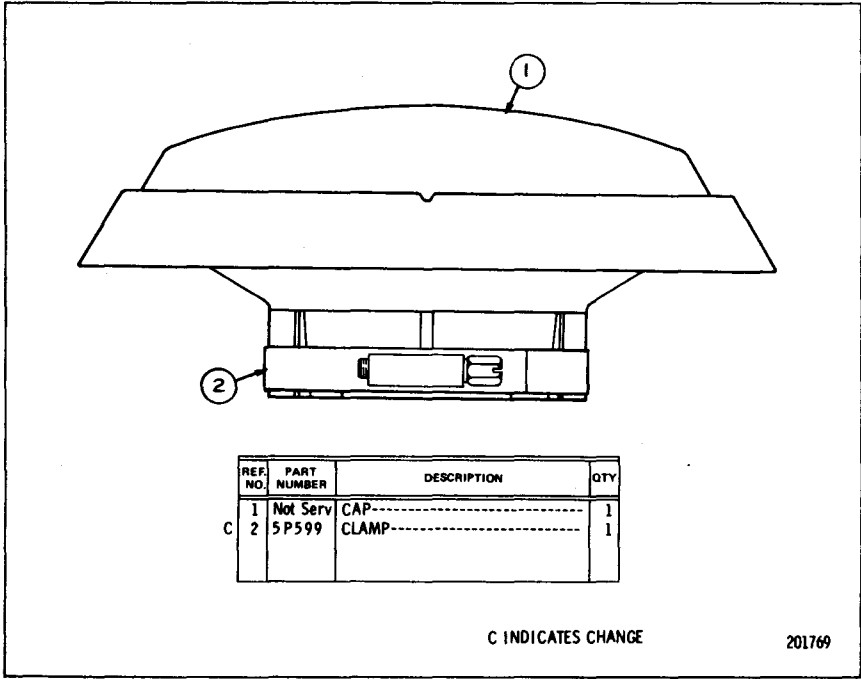
6N9148 AIR CLEANER CAP GROUP

Serial No. 66D17936-Up

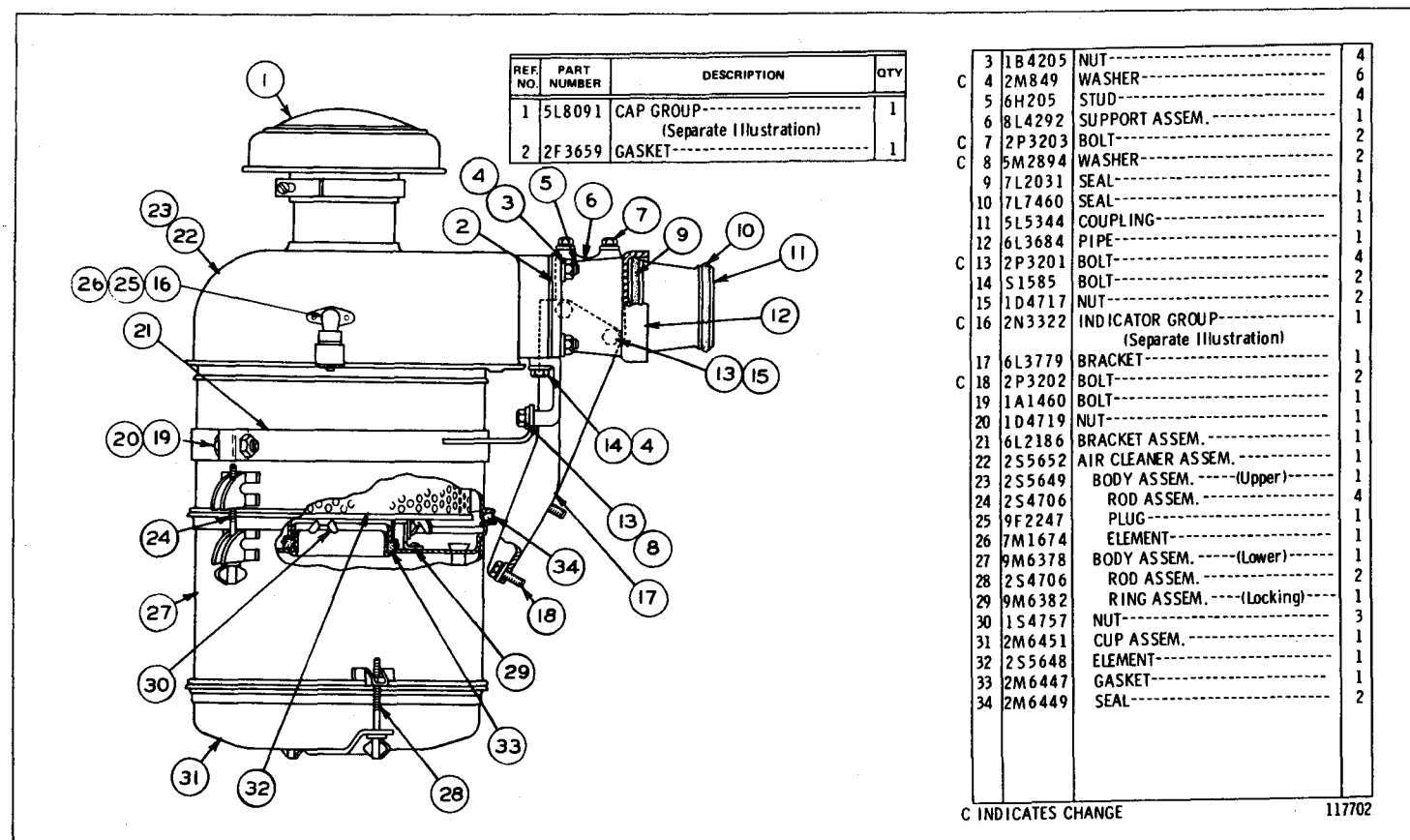
5L8091 Air Cleaner Cap parts are shown on Page 109



5L7942 AIR PRECLEANER GROUP
AN ATTACHMENT



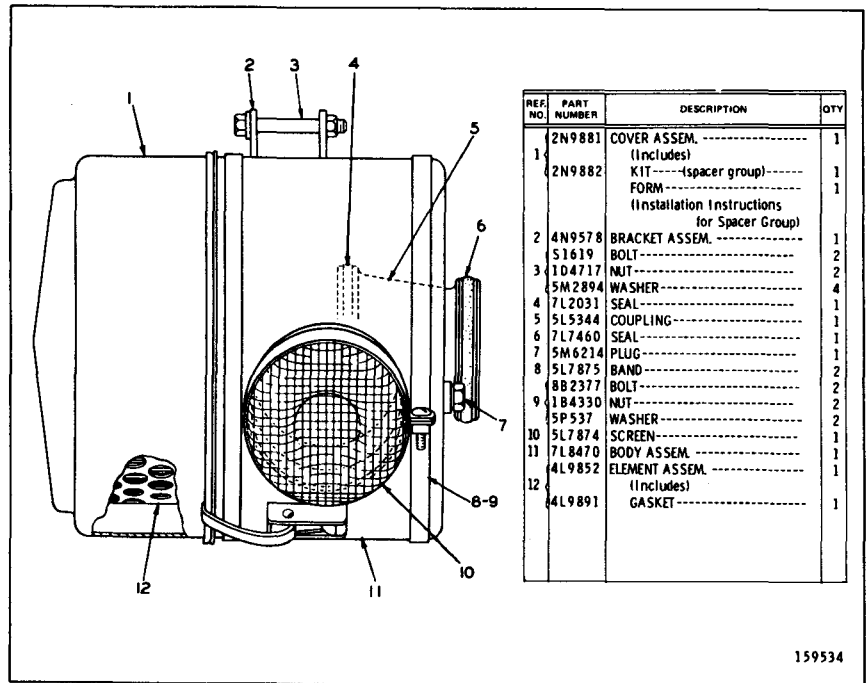
5L8091 AIR CLEANER CAP GROUP



C INDICATES CHANGE

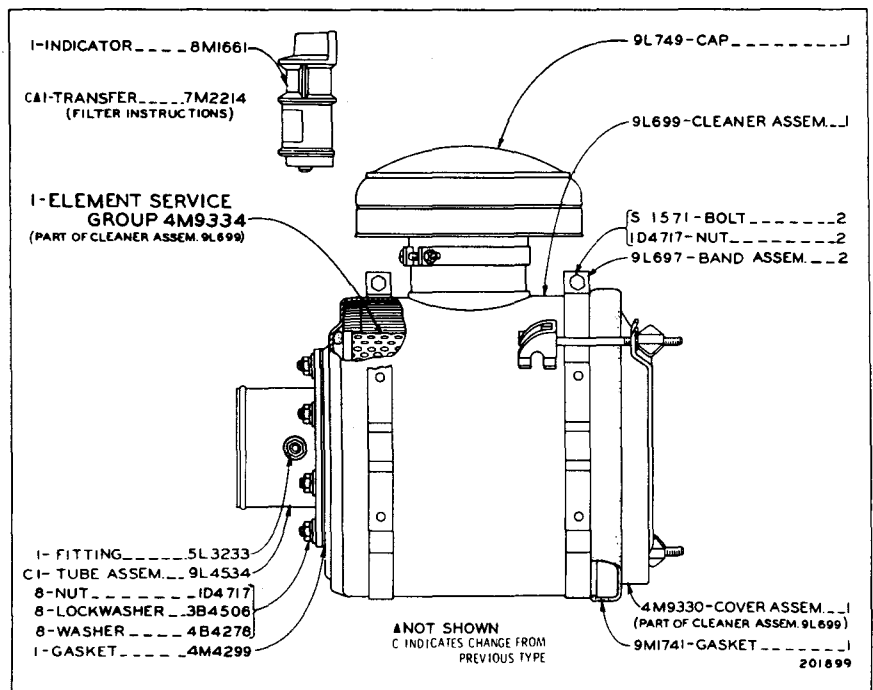
117702

8L4149 AIR CLEANER GROUP
5L8091 Air Cleaner Cap and 2N3322 Air Filter Indicator parts are shown on Pages 109 and 112
AN ATTACHMENT



159534

6N4041 AIR CLEANER GROUP
FOR USE WITH AFTERCOOLER



9L463 AIR CLEANER GROUP
FOR USE WITH MOBILE APPLICATION ENGINE
AN ATTACHMENT

