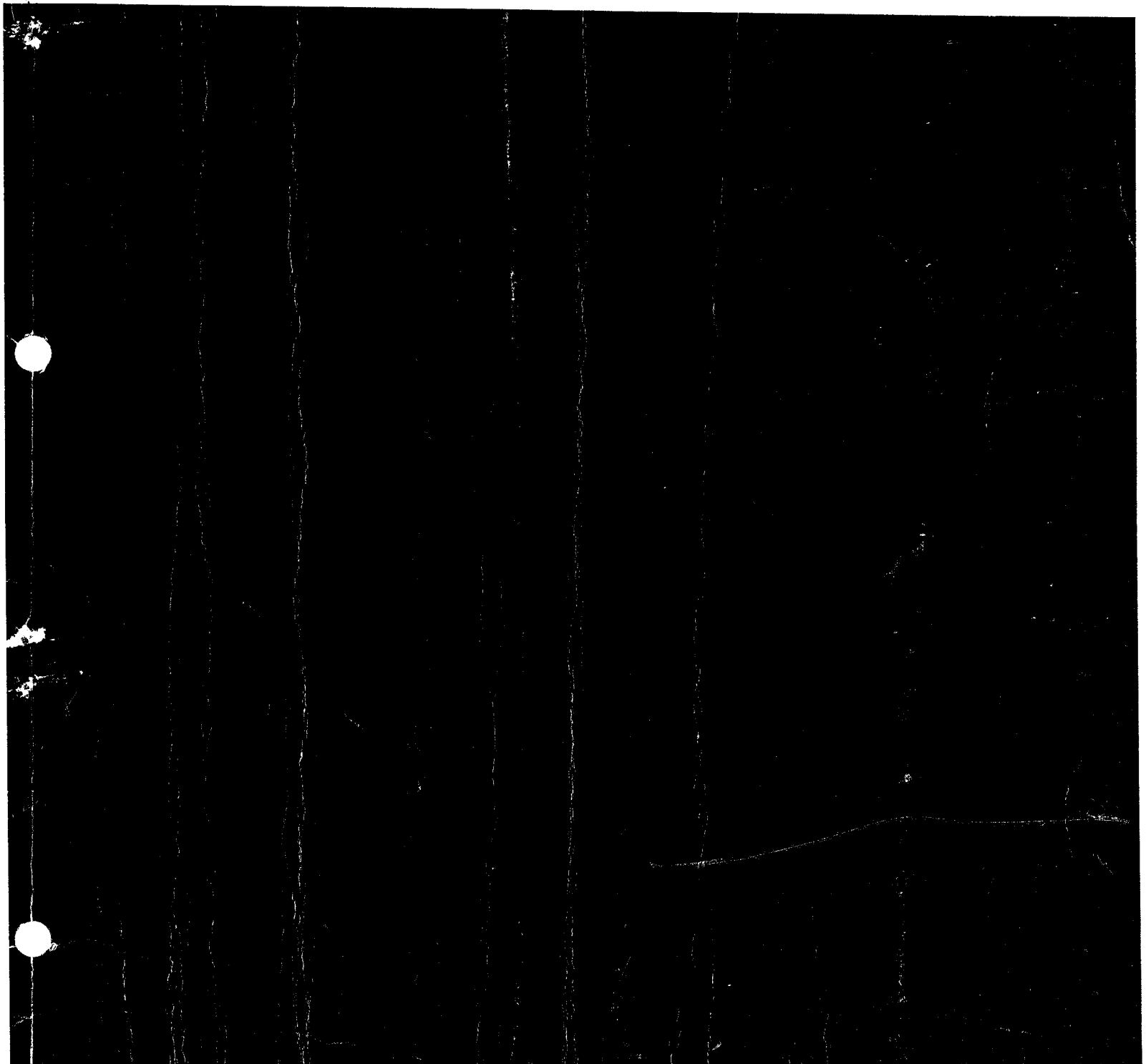




**Models 220, 222,
442 & 444
Compact Tractors**
1971 MODELS



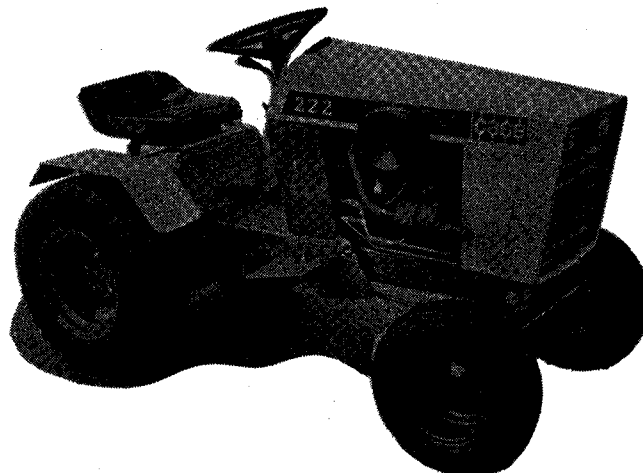
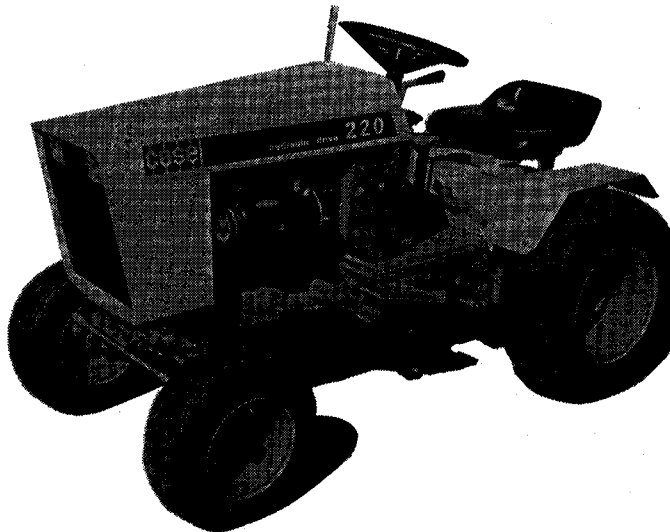
MODELS 220, 222, 442 AND 444 COMPACT TRACTORS

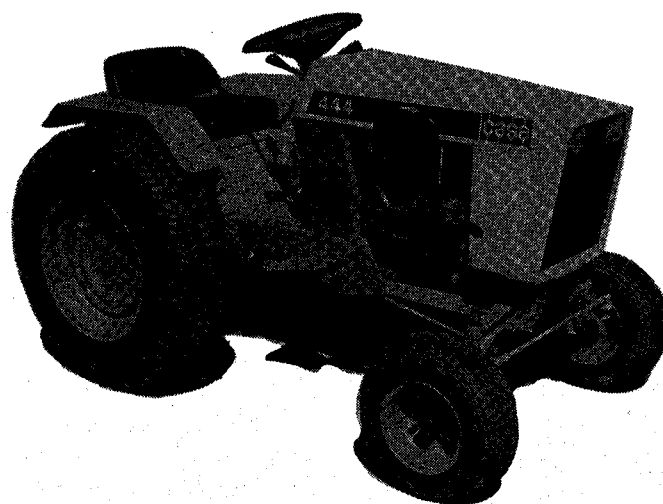
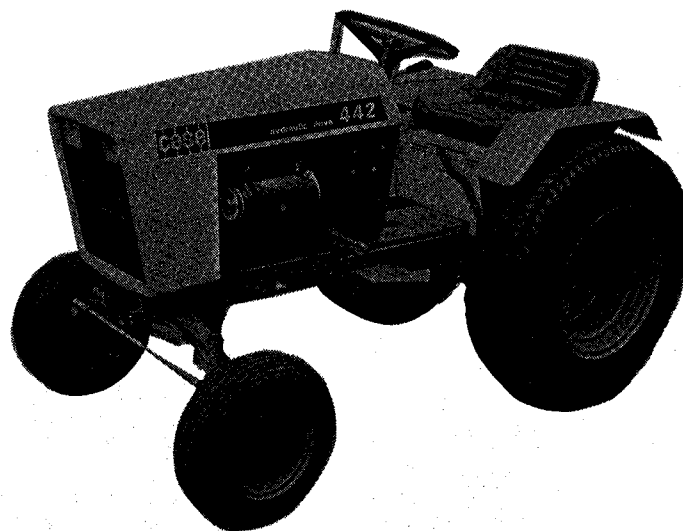
**SERIAL NO. 9646801 AND AFTER
Parts Catalog No. A1181**

PRICE \$1.00

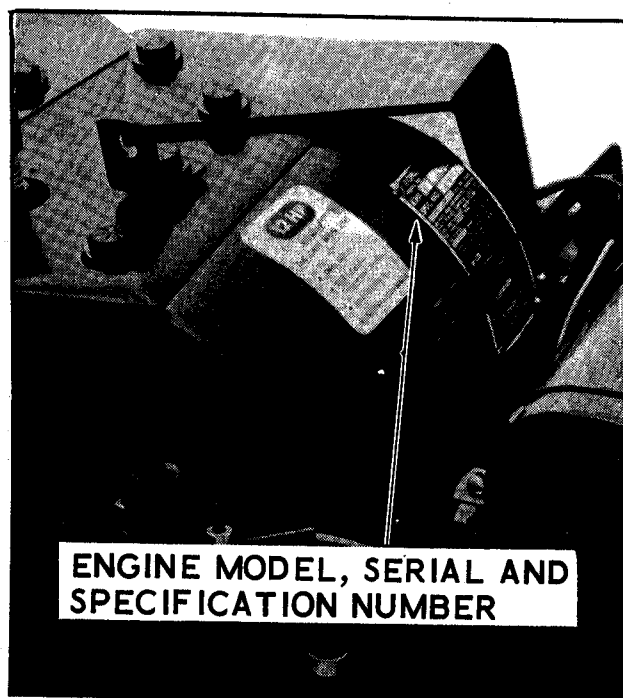
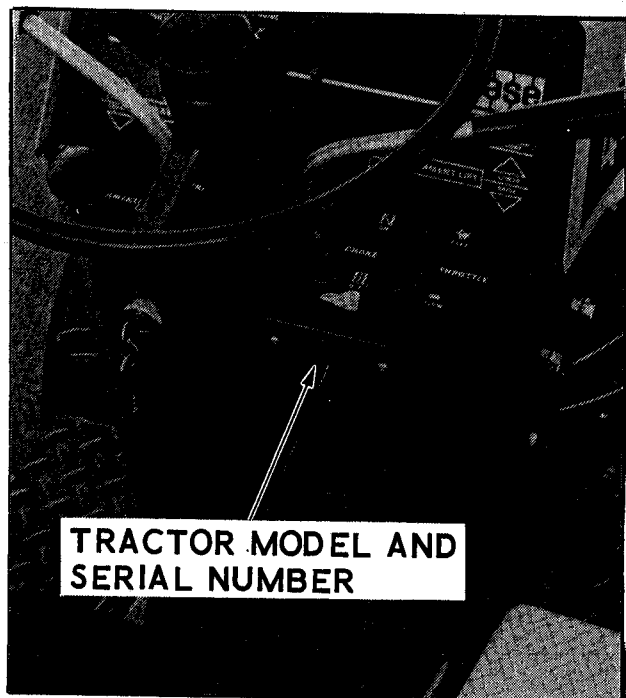
Port Pub 2500 3-72

**NOTE: This Catalog replaces the previous Issue No.
1181 which is obsolete and should be discarded.**





CASE 220, 222, 442 AND 444 COMPACT TRACTORS



TRACTOR MODEL DESIGNATIONS	ENGINE MODEL DESIGNATIONS
220 TRACTOR	K-241-A C15964 Engine
222 - 442 TRACTOR	K-301-A C15965 Engine
444 TRACTOR	K-321-A C16695 Engine

SERIAL NUMBERS

When using this catalog, notice the reference to serial numbers of various components noted here and listed in the "description" copy. By referring to correct serial numbers, proper parts identification will be assured.

Indexes

This Parts Catalog is arranged for easy identification of Genuine CASE Service Parts. An alphabetical index is provided at the front of this Catalog to locate the major groups or assemblies. A numerical index at the rear of the Catalog gives the part numbers and the pages on which they are described.

Illustrations

All parts are illustrated in "Exploded Views" which show the individual parts in their normal relationship to each other. Reference numbers are used in the illustrations. These numbers correspond to those in the "Reference Number" column and are followed by the part number, description and quantity required.

Orders

Orders should plainly specify correct part number, full description, quantity required, machine model and engine model, machine and engine serial numbers, method of shipment and shipping address.

Changes

When changes to the machine make it necessary, revised pages for this book will be issued. The revised pages will be issued with the same page number as those they replace and the "issue" number and date will be advanced.

It is imperative that revised Parts Book pages be inserted into their respective Parts Books as soon as received. Failure to do so will lead to confusion and defeat the purpose of the book.

Indented Description

Indented parts in the descriptive list are a part of the preceding assembly or sub-assembly. The quantity shown in the "Number Required" column is the number of parts used on a machine except where parts are indented in descriptive list. In this case the quantity shown is the number required for the preceding assembly or sub-assembly.

REF.	PART NO.	DESCRIPTION	REQ'D
	A 55159	CYLINDER ASSY - rear steering	1
28	A 56208	SOCKET ASSY - rear cylinder	1
29	A 55956	PLUG - adjusting, socket assy	1
30	A 55957	SEAT - socket ball	2
31	A 56210	SPRING - socket	1
32	A 56209	SEAT - socket spring	1
33	G 45175	CLAMP ASSY - socket assy	1
	16- 836	BOLT - 1/2" x 2-1/4" N.F.hex.	1
34	132- 104	PIN - cotter, 3/16" x 3"	1
35	A 55889	STUD - ball, socket & cylinder	2
36	13- 410	BOLT - 1/4" x 5/8" N.C., hex.	4
37	92- 4	LOCKWASHER - 1/4" SAE	4

Terms "Right Hand" and "Left Hand"

"Right Hand" and "Left Hand" sides of this machine are determined by standing at the rear of the unit and facing in the direction of forward travel.

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220 222 &

442

444

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220 222 &

442

444

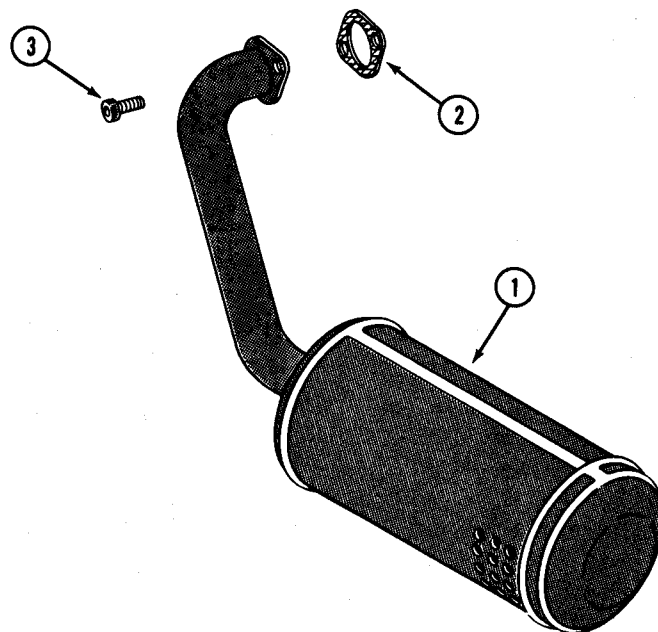
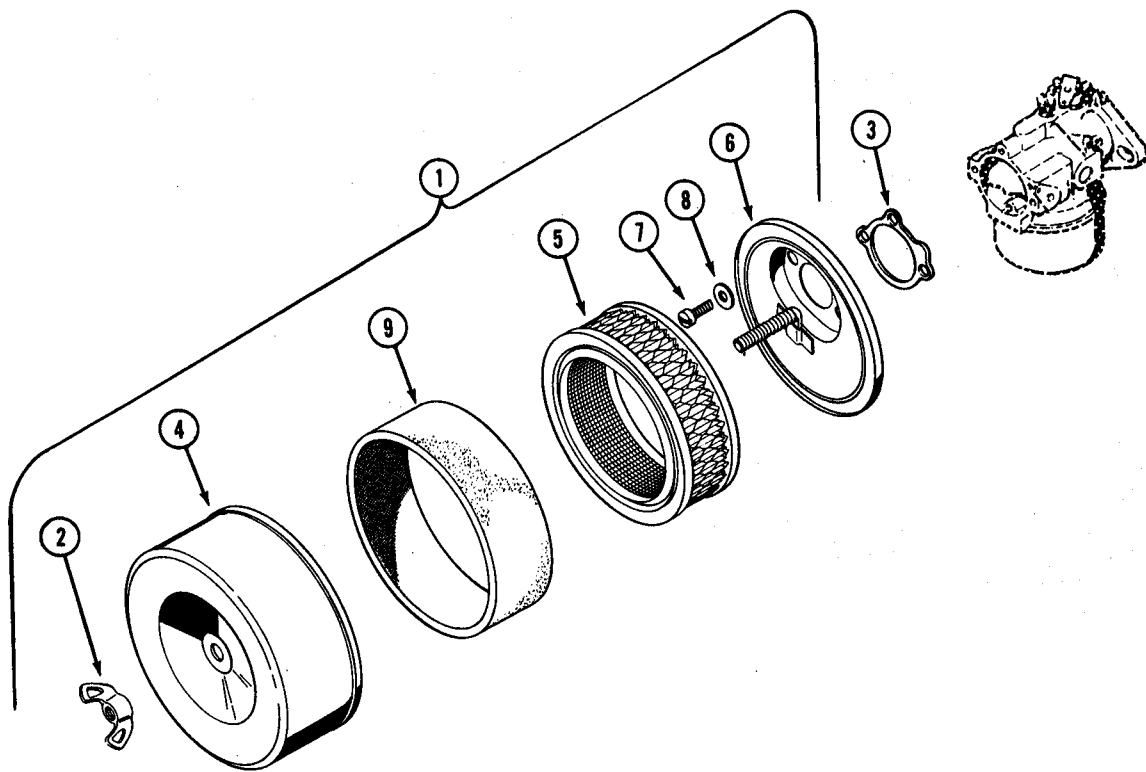
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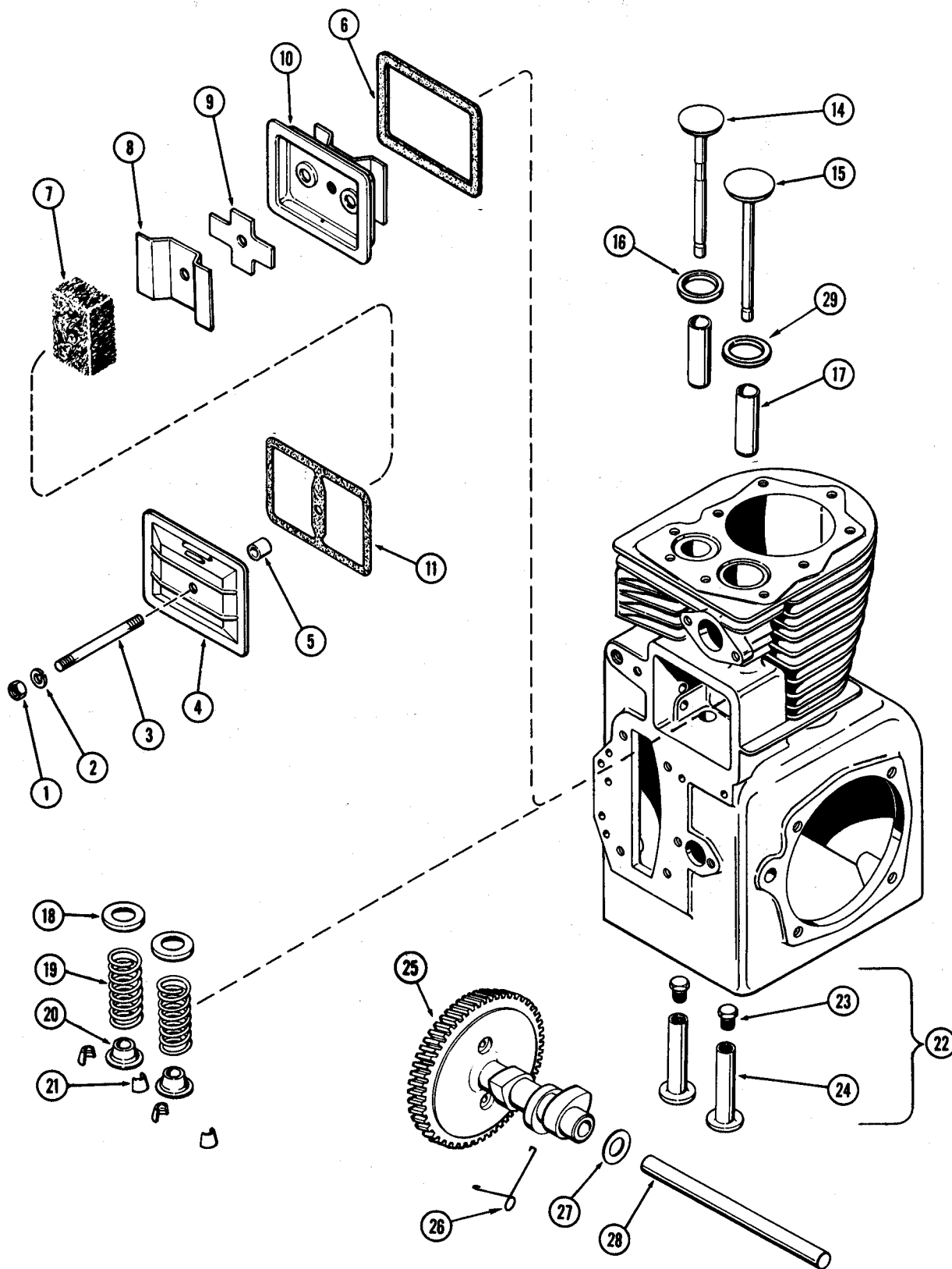


AIR CLEANER

REF. PART NO.	DESCRIPTION	REQ'D
1 KOA235100	AIR CLEANER ASSEMBLY	1
2 129- 409	NUT - wing 3/8" NC	1
3 KO 275341	GASKET - air horn	1
4 NSS	COVER - air cleaner (Order KOA235100)	1
5 A 70090	ELEMENT - air cleaner	1
6 NSS	BASE - air cleaner (Order KOA235100)	1
7 177- 94	SCREW - fillister head 10-32 x 5/16"	3
8 195- 512	WASHER - plain 3/16"	3
9 KO 237421	PRE-CLEANER	1

EXHAUST SYSTEM

1 C 18039	MUFFLER - exhaust	1
2 C 10372	GASKET - exhaust pad	1
3 61- 510	SCREW - 5/16-18 x 5/8" Socket Head	2

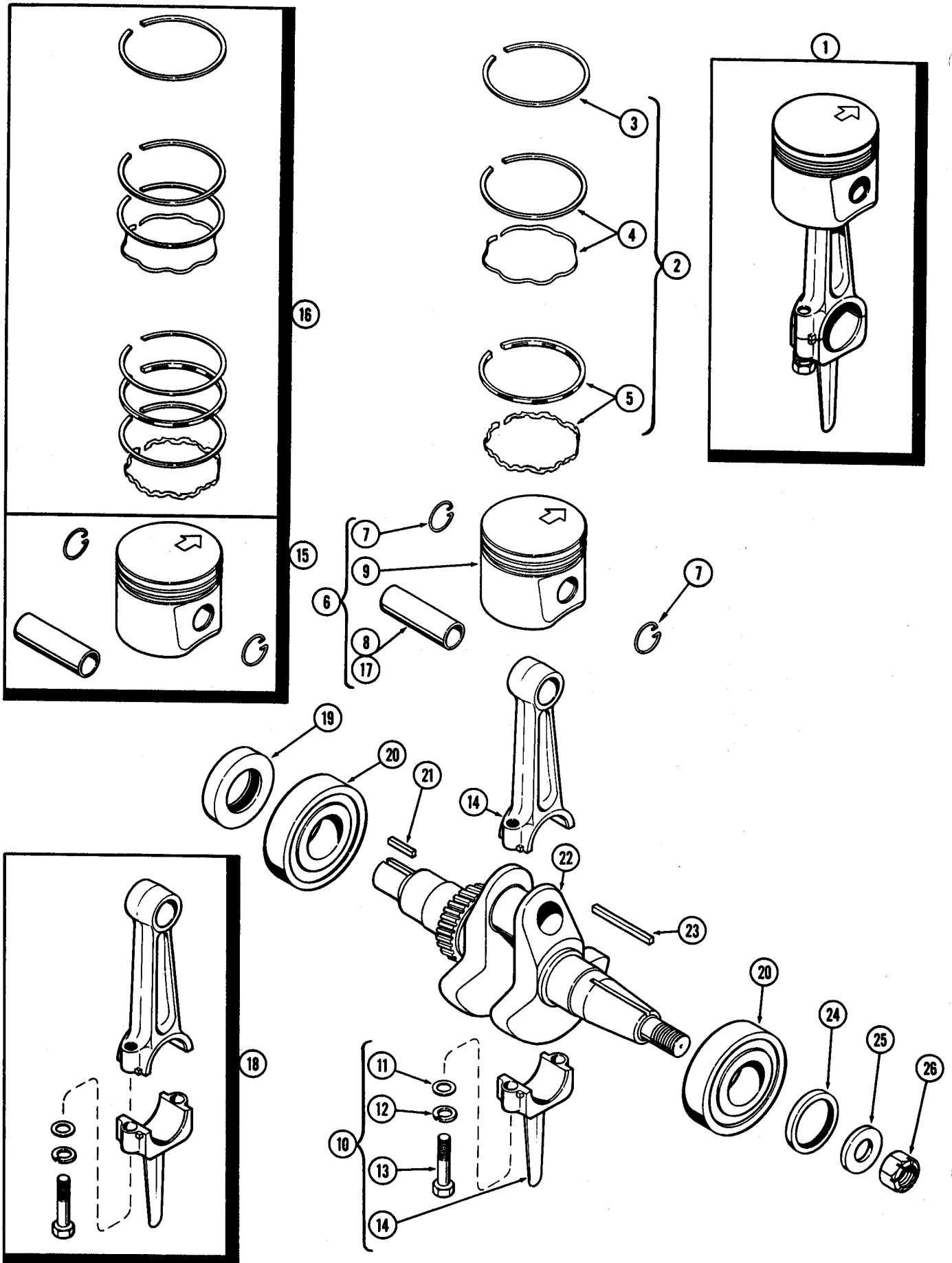


444 CRANKCASE BREATHER

REF.	PART NO.	DESCRIPTION	REQ'D
1	25- 104	NUT- 1/4" NC hex	1
2	92- 4	LOCKWASHER - 1/4"	1
3	KO 275220	STUD - valve cover	1
4	KO 275143	COVER - valve	1
5	KO 231032	SEAL - breather	1
6	KO 235048	GASKET - breather plate	1
7	KO 235118	FILTER - breather	1
8	KO 235117	BAFFLE - breather	1
9	KO 235047	REED - breather	1
10	KO 235631	PLATE - breather	1
11	KO 275144	GASKET - valve cover	1

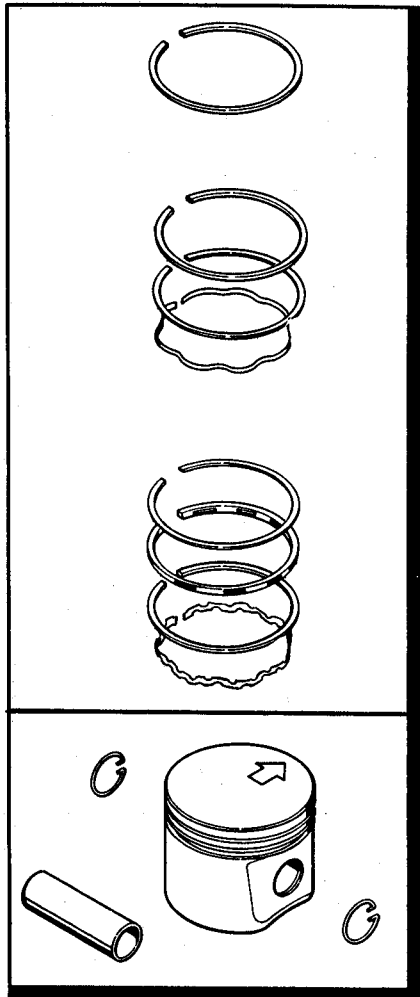
444 CAMSHAFT AND VALVES

14	KO 235838	VALVE - exhaust	1
15	KO 235582	VALVE - intake	1
16	KO 230170-S	INSERT - exhaust valve seat	1
17	KO 235007-S	GUIDE - valve	2
18	KO 235011	SEAT - valve spring	2
19	KO 235168	SPRING - valve	2
20	KO 230020	ROTATOR - valve (Furnished in pairs only)	2
21	KO 240013	LOCK - valve retainer	2
22	KOA235327	LIFTER ASSEMBLY	2
23	NSS	SCREW - tappet adjusting	1
24	NSS	LIFTER - valve	1
25	KOA235646	CAMSHAFT ASSEMBLY	1
26	KO 232770	SPRING - actuating	1
27	KO 275066	SPACER - camshaft, .005"	UAR
27	KO 275067	SPACER - camshaft, .010"	UAR
28	KO 235053	PIN - camshaft	1
29	KO 230265-S	INSERT - intake valve seat	1

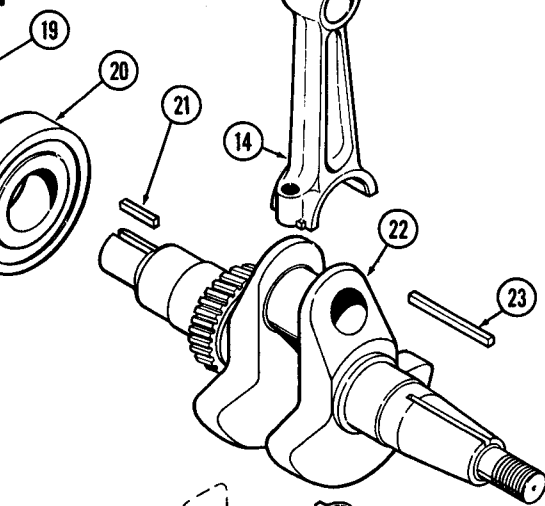
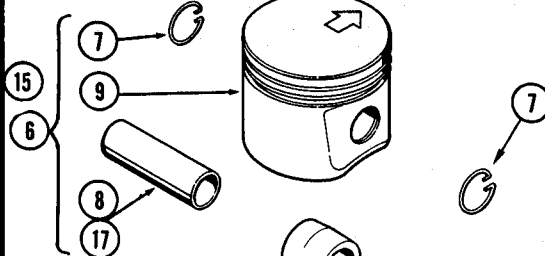
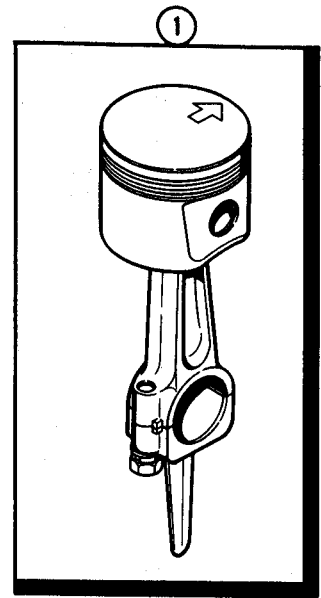
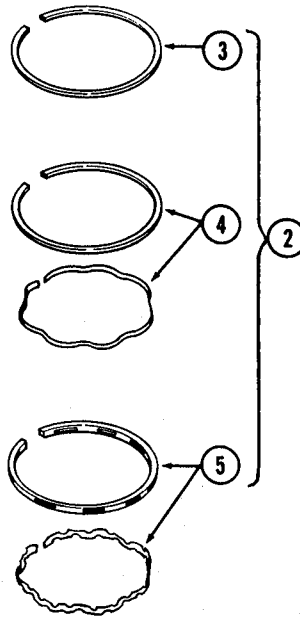


220 CRANKSHAFT, PISTON — CONNECTING ROD

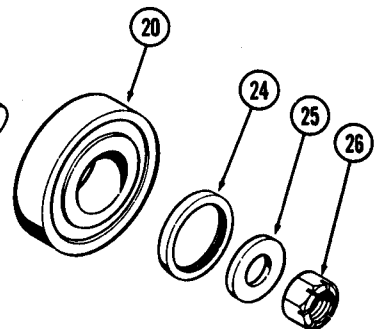
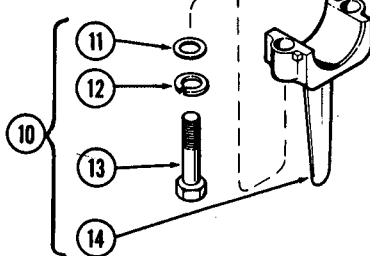
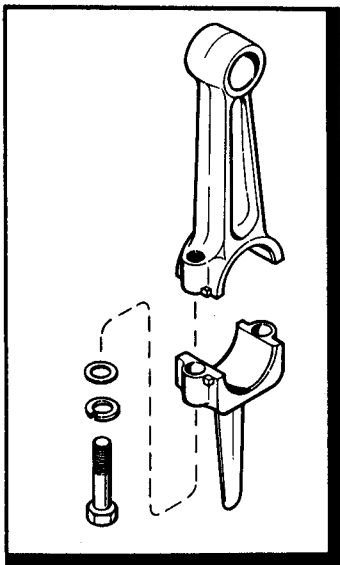
REF. PART NO.	DESCRIPTION	REQ'D
1 NSS	PISTON AND ROD ASSEMBLY (Std. size)	1
2 KO 235287	RING SET - piston (For oversize, see item 16)	1
3 NSS	RING - top compression	1
4 NSS	RING - 2nd compression (Includes expander)	1
5 NSS	RING - oil (Includes expander)	1
6 KOA235611	PISTON ASSEMBLY (For oversize, see item 15)	1
7 KO 235004	RETAINER - piston pin	2
8 KO 235572	PIN - piston	1
9 NSS	PISTON	1
10 KOA235139	CONNECTING ROD ASSEMBLY (For undersize, see item 18)	1
11 KO 235003	WASHER - special	2
12 92- 6	LOCKWASHER	2
13 KO 236611	SCREW - cap, connecting rod	2
14 NSS	ROD - connecting	1
15 KOA235569	PISTON ASSEMBLY - .010" oversize	1
15 KOA235571	PISTON ASSEMBLY - .020" oversize	1
15 KOA235616	PISTON ASSEMBLY - .030" oversize	1
16 KO 235288	RING SET - piston .010" oversize	1
16 KO 235289	RING SET - piston .020" oversize	1
16 KO 235290	RING SET - piston .030" oversize	1
17 KO 235573	PIN - piston, .005" oversize	1
18 C 18101	CONNECTING ROD ASSEMBLY - .010" undersize	1
19 R 16287	OIL SEAL - crankshaft rear	1
20 40035	BEARING - crankshaft ball	2
21 W 5063-S	KEY - 1/4" Sq. x 3/4" (Pump Coupling)	1
22 KOA235711	CRANKSHAFT	1
23 A 27001	KEY - flat 3/16" x 3/16" x 1-3/8" (Flywheel)	1
24 C 18097	OIL SEAL - crankshaft front	1
25 C 18095	WASHER - 5/8"	1
26 131- 309	NUT - special Marsden 5/8" NF	1



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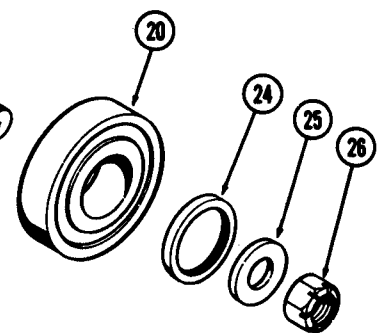
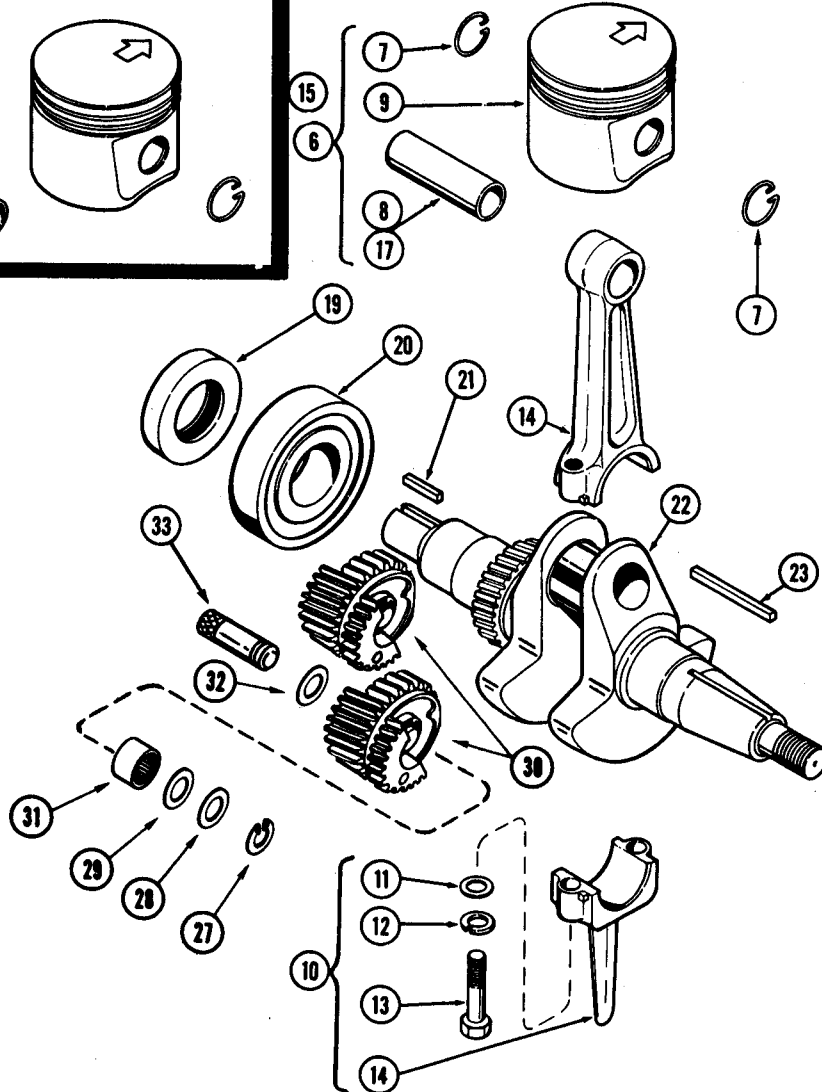
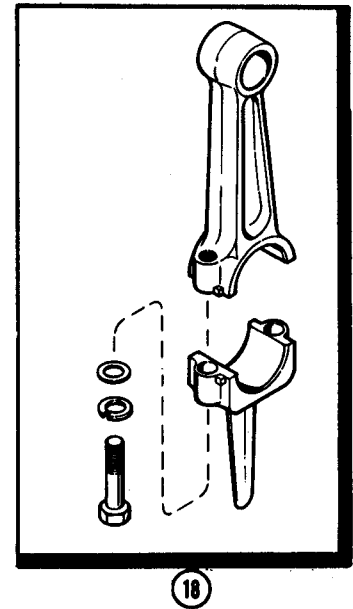
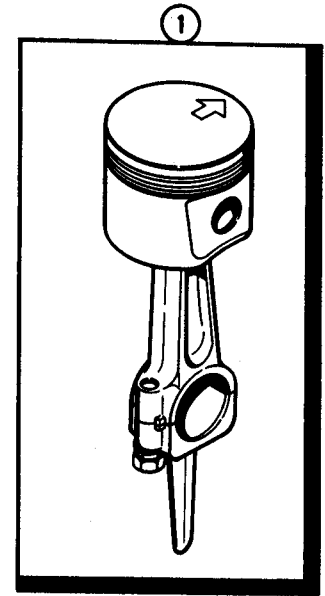
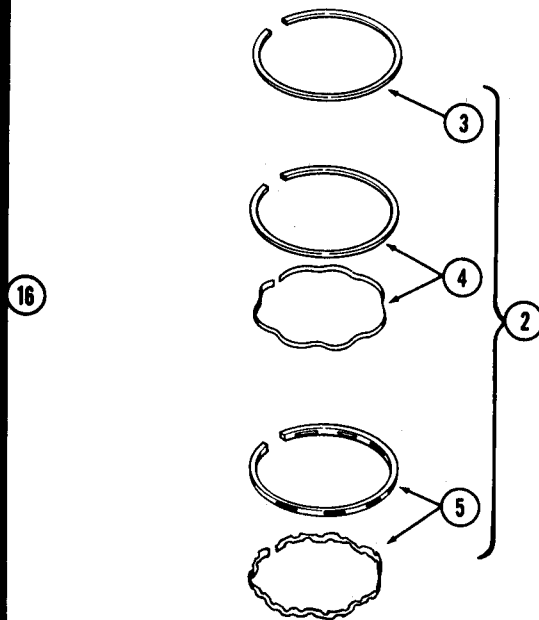
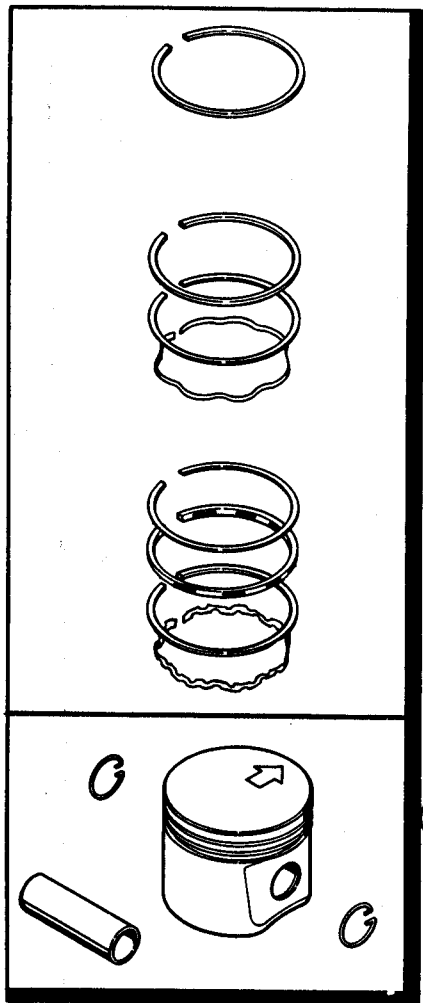


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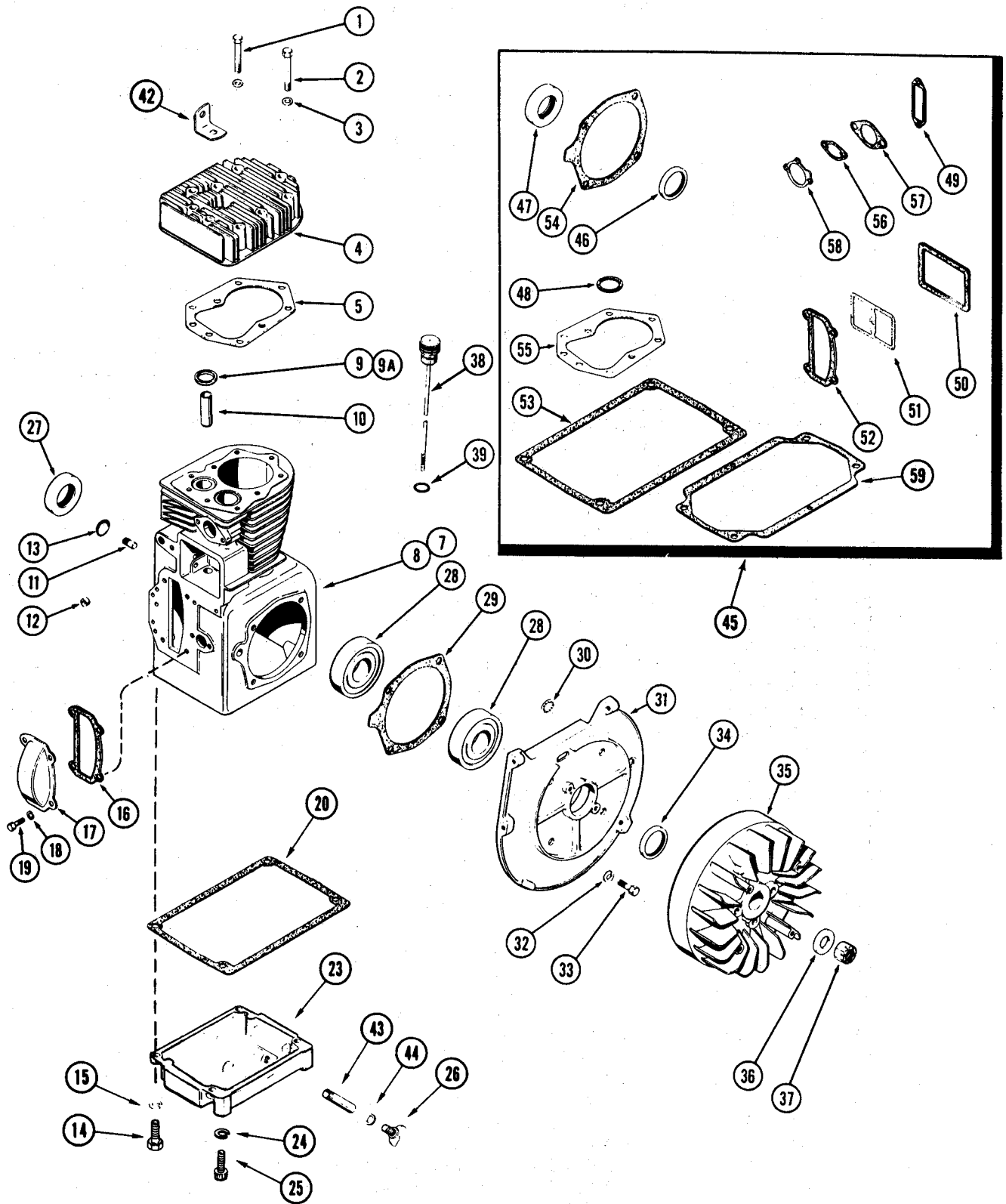
222 AND 442 CRANKSHAFT, PISTON — CONNECTING ROD

REF. PART NO.	DESCRIPTION	REQ'D
1 NSS	PISTON AND ROD ASSEMBLY (Std. size)	1
2 KO 235889	RING SET - piston (For oversize, see item 16)	1
3 NSS	RING - top compression	1
4 NSS	RING - 2nd compression (Includes expander)	1
5 NSS	RING - oil (Includes expander)	1
6 KOA235827	PISTON ASSEMBLY (For oversize, see item 15)	1
7 KO 235811	RETAINER - piston pin	2
8 KO 235803	PIN - piston	1
9 NSS	PISTON	1
10 KOA235828	CONNECTING ROD ASSEMBLY (For undersize, see item 18)	1
11 KO 235003	WASHER - special	2
12 92- 6	LOCKWASHER	2
13 KO 236611	SCREW - cap, connecting rod	2
14 NSS	ROD - connecting	1
15 KOA235865	PISTON ASSEMBLY - .010" oversize	1
15 KOA235866	PISTON ASSEMBLY - .020" oversize	1
15 KOA235867	PISTON ASSEMBLY - .030" oversize	1
16 KO 235890	RING SET - piston .010" oversize	1
16 KO 235891	RING SET - piston .020" oversize	1
16 KO 235892	RING SET - piston .030" oversize	1
17 KO 235868	PIN - piston .005" oversize	1
18 C 18101	CONNECTING ROD ASSEMBLY - .010" undersize	1
19 R 16287	OIL SEAL - crankshaft rear	1
20 40035	BEARING - crankshaft ball	2
21 W 5063-S	KEY - 1/4" Sq. x 3/4" (Pump Coupling)	1
22 KOB235949	CRANKSHAFT	1
23 A 27001	KEY - flat 3/16" x 3/16" x 1-3/8" (Flywheel)	1
24 C 18097	OIL SEAL - crankshaft front	1
25 C 18095	WASHER - 5/8"	1
26 131- 309	NUT - special Marsden 5/8" NF	1



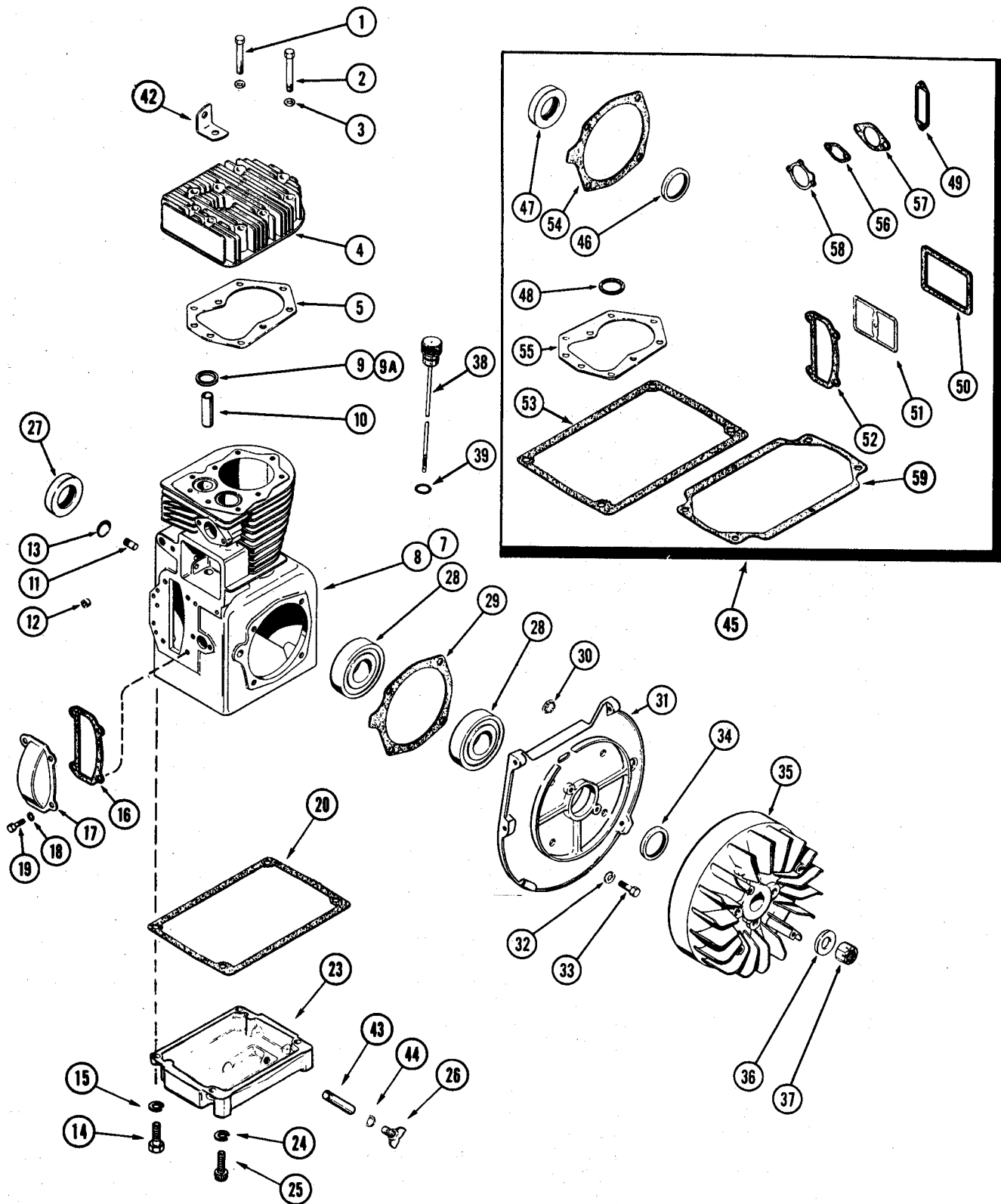
444 CRANKSHAFT, PISTON — CONNECTING ROD

REF. PART NO.	DESCRIPTION	REQ'D
1 NSS	PISTON AND ROD ASSEMBLY (Std. size)	1
2 KO 236763	RING SET - piston (For oversize, see item 16)	1
3 NSS	RING - top compression	1
4 NSS	RING - 2nd compression (Includes expander)	1
5 NSS	RING - oil (Includes expander)	1
6 KOA236631	PISTON ASSEMBLY (For oversize, see item 15)	1
7 KO 235811	RETAINER - piston pin	2
8 KO 235803	PIN - piston	1
9 NSS	PISTON	1
10 KOA235828	CONNECTING ROD ASSEMBLY (For undersize, see item 18)	1
11 KO 235003	WASHER - special	2
12 92- 6	LOCKWASHER - 3/8"	2
13 KO 236611	SCREW - cap, connecting rod	2
14 NSS	ROD - connecting	1
15 KOA236633	PISTON ASSEMBLY - .010" oversize	1
15 KOA236634	PISTON ASSEMBLY - .020" oversize	1
15 KOA236635	PISTON ASSEMBLY - .030" oversize	1
16 KO 236764	RING SET - piston .010" oversize	1
16 KO 236765	RING SET - piston .020" oversize	1
16 KO 236766	RING SET - piston .030" oversize	1
17 KO 235868	PIN - piston .005" oversize	1
18 C 18102	CONNECTING ROD ASSEMBLY - .010 undersize	1
19 R 16287	OIL SEAL - crankshaft rear	1
20 40035	BEARING - crankshaft ball	2
21 W 5063-S	KEY - 1/4" Sq. x 3/4" (Pump Coupling)	1
22 KOB237034	CRANKSHAFT	1
23 A 27001	KEY - flat 3/16" x 3/16" x 1-3/8" (Flywheel)	1
24 C 18097	OIL SEAL - crankshaft front	1
25 C 18095	WASHER - 5/8"	1
26 131- 309	NUT - special Marsden 5/8" NF	1
27 C 15060	RETAINER - external 1/2" ID	2
28 KO 236504	SPACER - .020"	2
29 KO 236509	SPACER - .005"	UAR
30 KOA236507	GEAR ASSEMBLY - counter balance	2
31 KO 236506	BEARING - gear assembly	2
32 KO 236510	SPACER - .010"	2
33 KO 236559	SHAFT - counterbalance stub	2



220 ENGINE BLOCK AND ATTACHING PARTS

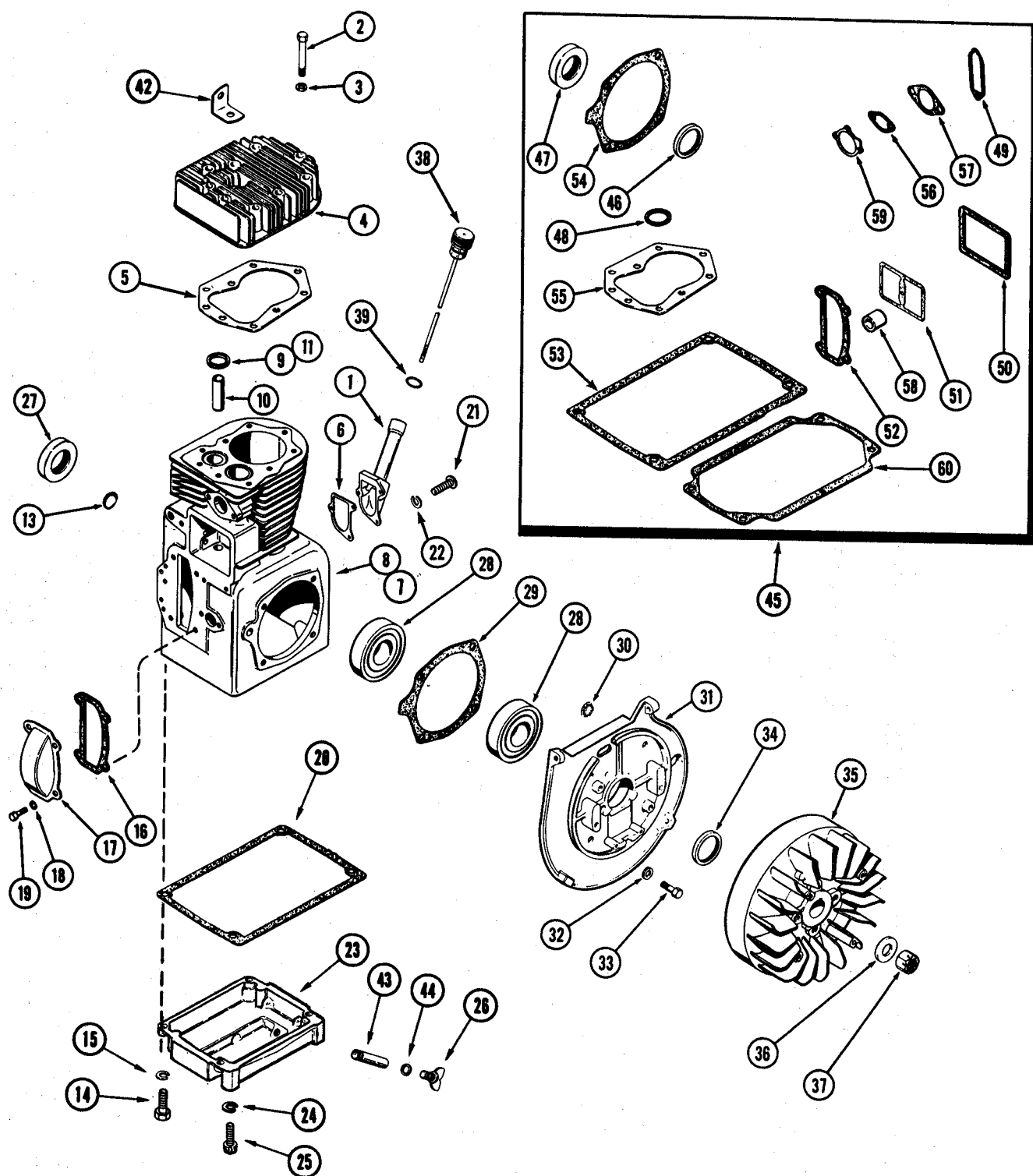
REF.	PART NO.	DESCRIPTION	REQ'D
1	KO 271077	BOLT - cylinder head (Length 2-1/4")	6
2	KO 235175	BOLT - cylinder head (Length 2-1/2")	3
3	KO 270889	WASHER - cylinder head bolt	9
4	KO 235656	HEAD - cylinder	1
5	KO 236705	GASKET - head	1
7	KOA236303	BLOCK ASSEMBLY - cylinder, short (Includes crankshaft, rod assembly, camshaft, valves, bearings and plate)	1
8	KOA235737	BLOCK ASSEMBLY - cylinder, stripped (Std. bore)	1
9	KO 230170-S	INSERT - exhaust valve	1
9A	KO 230265-S	INSERT - intake valve seat	1
10	KO 235007-S	GUIDE - valve	2
11	KO 235125-S	SHAFT - stub, governor	1
12	C 18103	BEARING - needle, governor shaft	1
13	41- 18	PLUG - expansion	1
14	113- 206	BOLT - 3/8" x 7/8" NC hex plated	4
15	192- 21	LOCKWASHER - 3/8" plated	4
16	KO 235025	GASKET - camshaft cover	1
17	KO 235026	COVER - camshaft gear	1
18	192- 19	LOCKWASHER - 1/4" plated	4
19	113- 6	BOLT - 1/4" x 1/2" NC plated	4
20	KO 235353	GASKET - oil pan	1
23	KO 235950	BASE - oil pan	1
24	192- 21	LOCKWASHER - 3/8" plated	4
25	61- 616	BOLT - 3/8" x 1" NC socket head	4
26	C 14399	PLUG - oil drain	1
27	R 16287	OIL SEAL - crankshaft rear	1
28	40035	BEARING - crankshaft ball	2
29	KO 235757	GASKET - shim, bearing plate, .010"	6
29	KO 235070	GASKET - shim, .010"	UAR
30	205- 27	PLUG - button, timing hole	1
31	KO 235815	PLATE - bearing	1
32	192- 21	LOCKWASHER - 3/8" plated	4
33	113- 207	BOLT - 3/8" x 1" NC plated	4
34	C 18097	OIL SEAL - crankshaft front	1
35	KO 235818	FLYWHEEL	1
36	195- 545	WASHER - special, plated	1
37	131- 309	NUT - special, Marsden 5/8" NF	1
38	C 14953	DIPSTICK ASSEMBLY	1
39	A 27365	"O" RING - dipstick	1
42	KO 235748	STRAP - lifting	1
43	C 14398	NIPPLE - oil drain extension	1
44	C 14906	GASKET - plug, oil drain	1
45	KO 235165	KIT - engine gasket and seal	1
46	C 18297	SEAL - crankshaft front oil	1
47	R 16287	SEAL - crankshaft rear oil	1
48	B 59393	GASKET - fuel strainer bowl	1
49	KO 220174	GASKET - breaker cover	1
50	KO 235048	GASKET - breather plate	1
51	KO 275144	GASKET - valve cover	1
52	KO 235025	GASKET - camshaft gear cover	1
53	KO 235353	GASKET - oil pan	1
54	KO 235757	GASKET - shim, bearing plate, .010"	6
54	KO 235070	GASKET - shim, .010	UAR
55	KO 236705	GASKET - cylinder head	1
56	A 72108	GASKET - fuel pump flange	1
57	A 72100	GASKET - carburetor flange	1
58	KO 275341	GASKET - carburetor air horn	1
59	KO 235057	GASKET - oil pan (Not used on this model)	1



CASE 220, 222, 442 AND 444 COMPACT TRACTORS 15

222 AND 442 ENGINE BLOCK AND ATTACHING PARTS

REF. PART NO.	DESCRIPTION	REQ'D
1 KO 271077	BOLT - cylinder head (Length 2-1/4")	6
2 KO 235175	BOLT - cylinder head (Length 2-1/2")	3
3 KO 270889	WASHER - cylinder head bolt	9
4 KO 235820	HEAD - cylinder	1
5 KO 236705	GASKET - head	1
7 KOA236293	BLOCK ASSEMBLY - cylinder, short (Includes crankshaft, rod assembly, camshaft, valves, bearings and plate)	1
8 KOA235952	BLOCK ASSEMBLY - cylinder, standard bore	1
9 KO 230170-S	INSERT - exhaust valve	1
9A KO 230265-S	INSERT - intake valve seat	1
10 KO 235007-S	GUIDE - valve	2
11 KO 235125-S	SHAFT - stub governor	1
12 C 18103	BEARING - needle, governor shaft	1
13 41- 18	PLUG - expansion	1
14 113- 206	BOLT - 3/8" x 1-1/4" NC hex plated	4
15 192- 21	LOCKWASHER - 3/8" plated	4
16 KO 235025	GASKET - camshaft cover	1
17 KO 235026	COVER - camshaft gear	1
18 192- 19	LOCKWASHER - 1/4" plated	4
19 113- 6	BOLT - 1/4" x 1/2" NC plated	4
20 KO 235353	GASKET - oil pan	1
23 KO 235950	BASE - oil pan	1
24 192- 21	LOCKWASHER - 3/8" plated	4
25 61- 616	BOLT - 3/8" x 1" NC socket head	4
26 C 14399	PLUG - oil drain	1
27 R 16287	OIL SEAL - crankshaft rear	1
28 40035	BEARING - crankshaft ball	2
29 KO 235757	GASKET - shim, bearing plate .010"	6
29 KO 235070	GASKET - shim, .010"	UAR
30 205- 27	PLUG - button, timing hole	1
31 KO 235815	PLATE - bearing	1
32 192- 21	LOCKWASHER - 3/8" plated	4
33 113- 207	BOLT - 3/8" x 1" NC plated	4
34 C 18097	OIL SEAL - crankshaft front	1
35 KO 235818	FLYWHEEL	1
36 195- 545	WASHER - special, plated	1
37 131- 309	NUT - special, Marsden	1
38 C 14953	DIPSTICK ASSEMBLY	1
39 A 27365	"O" RING - dipstick	1
42 KO 235748	STRAP - lifting	1
43 C 14398	NIPPLE - oil drain extension	1
44 C 14906	GASKET - plug, oil drain	1
45 KO 235165	KIT - engine gasket and seal	1
46 C 18297	SEAL - crankshaft front oil	1
47 R 16287	SEAL - crankshaft rear oil	1
48 B 59393	GASKET - fuel strainer bowl	1
49 KO 220174	GASKET - breaker cover	1
50 KO 235048	SEAL - breather	1
51 KO 275144	GASKET - valve cover	1
52 KO 235025	GASKET - camshaft gear cover	1
53 KO 235353	GASKET - oil pan	1
54 KO 235757	GASKET - shim, bearing plate, .010"	6
54 KO 235070	GASKET - shim, .010"	UAR
55 KO 236705	GASKET - cylinder head	1
56 A 72108	GASKET - fuel pump flange	1
57 A 72100	GASKET - carburetor flange	1
58 KO 275341	GASKET - carburetor air horn	1
59 KO 235057	GASKET - oil pan (Not used on this model)	1

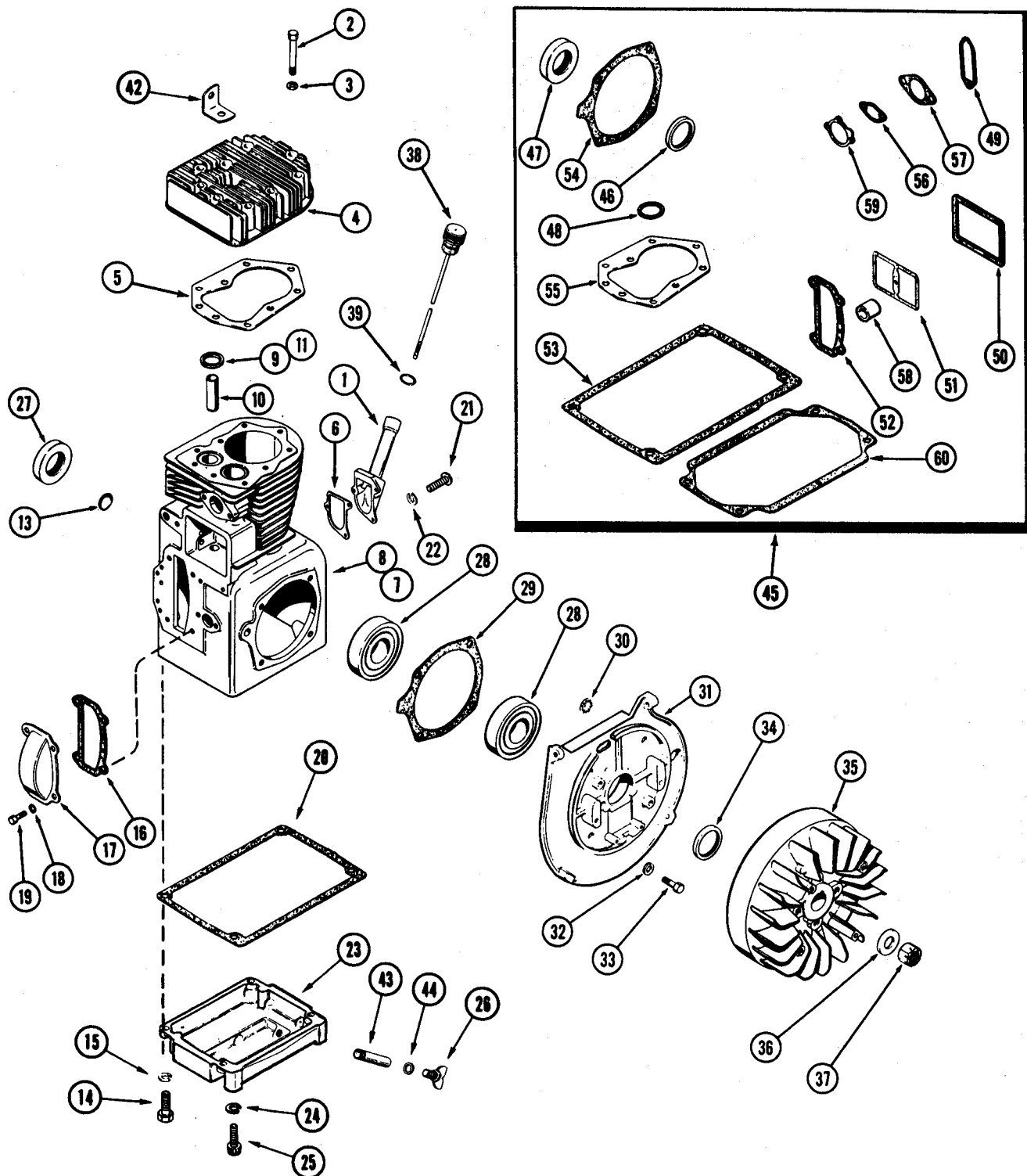


444 ENGINE BLOCK AND ATTACHING PARTS

REF. PART NO.	DESCRIPTION	REQ'D
1 KOA236960	FILLER TUBE	1
2 KO 235175	BOLT - cylinder head special (Length 2-1/2")	9
3 KO 270889	WASHER - cylinder head bolt	10
4 KO 236792	HEAD - cylinder	1
5 KO 237306	GASKET - head	1
6 KO 237064	GASKET - filler tube	1
7 KOB237182	BLOCK ASSEMBLY - cylinder, short (Includes crankshaft, piston, rod assembly, camshaft, valves, bearings and plate)	1
8 KOA237033-S	BLOCK ASSEMBLY - cylinder, standard bore	1
9 KO 230170-S	INSERT - exhaust valve	1
10 KO 235007-S	GUIDE - valve	2
11 KO 230265-S	INSERT - intake valve	1
13 41- 18	PLUG - expansion	1
14 113- 206	BOLT - 3/8" x 1-1/4" NC hex plated	4
15 192- 21	LOCKWASHER - 3/8" plated	4
16 KO 235025	GASKET - camshaft cover	1
17 KO 235026	COVER - camshaft gear	1
18 192- 19	LOCKWASHER - 1/4" plated	4
19 113- 6	BOLT - 1/4" x 1/2" NC plated	4
20 KO 235353	GASKET - oil pan	1
21 173- 221	SCREW - #10 x 7/16" round head machine	3
22 193- 26	LOCKWASHER - #10 internal tooth	7
23 KO 235950	BASE - oil pan	1
24 192- 21	LOCKWASHER - 3/8" plated	4
25 61- 616	BOLT - 3/8" x 1" NC socket head	4
26 C 14399	PLUG - oil drain	1
27 R 16287	OIL SEAL - crankshaft rear	1
28 40035	BEARING - crankshaft ball	2
29 KO 235757	GASKET - shim, bearing plate .312"	1
29 KO 235070	GASKET - shim, .010"	UAR
31 KO 235815	PLATE - bearing	1
32 192- 21	LOCKWASHER - 3/8" plated	4
33 113- 207	BOLT - 3/8" x 1" NC plated	4
34 C 18097	OIL SEAL - crankshaft front	1
35 KO 235818	FLYWHEEL	1
36 195- 545	WASHER - special, plated 21/32" ID x 1-3/8" OD x 1/4"	1
37 131- 309	NUT - special Marsden 5/8"	1
38 C 14954	DIPSTICK ASSEMBLY	1
39 A 27365	"O" RING - dipstick	1
42 KO 235748	STRAP - lifting	1
43 C 14398	NIPPLE - oil drain extension	1
44 C 14906	GASKET - plug, oil drain	1
45 KO 237395	KIT- engine gasket and seal	1
46 C 18297	SEAL - crankshaft front oil	1
47 R 16287	SEAL - crankshaft rear oil	1
48 B 59393	GASKET - fuel strainer bowl	1
49 KO 220174	GASKET - breaker cover	1
50 KO 235048	GASKET - breather	1
51 KO 275144	GASKET - valve cover	1

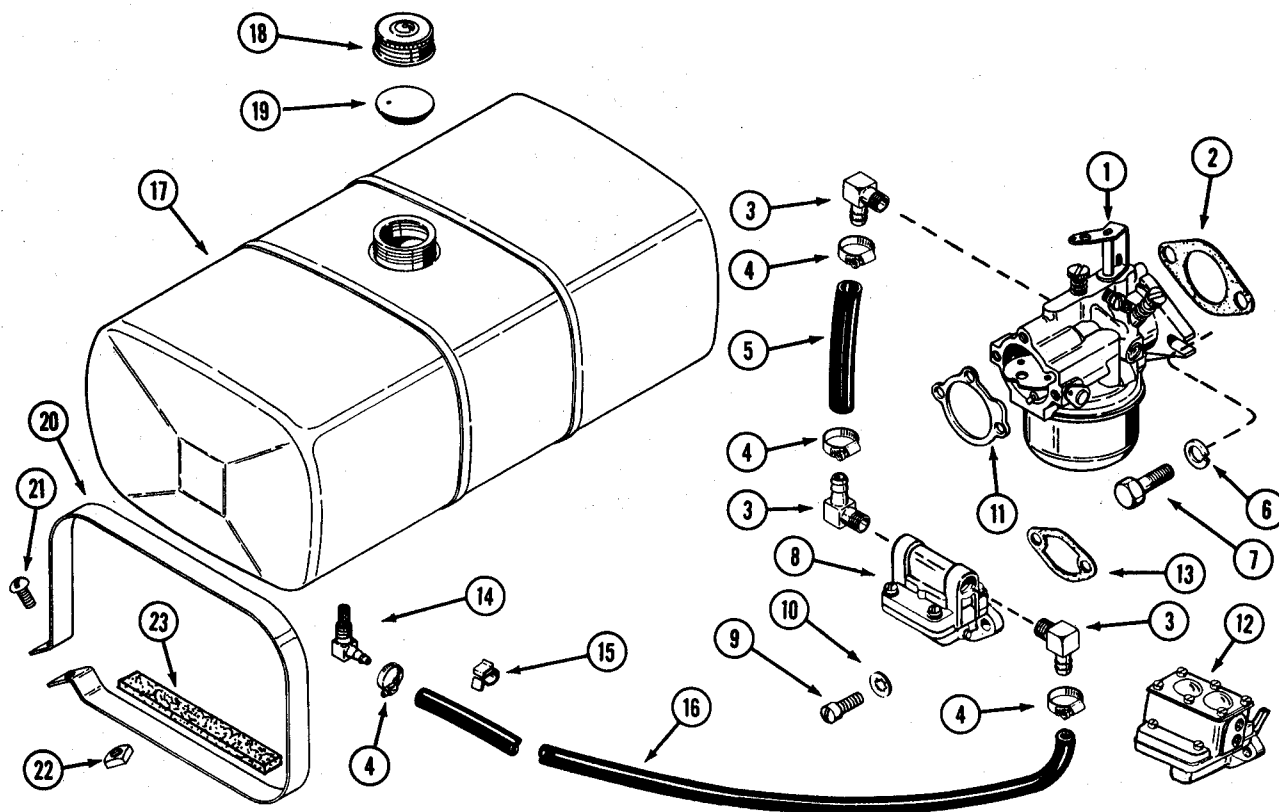
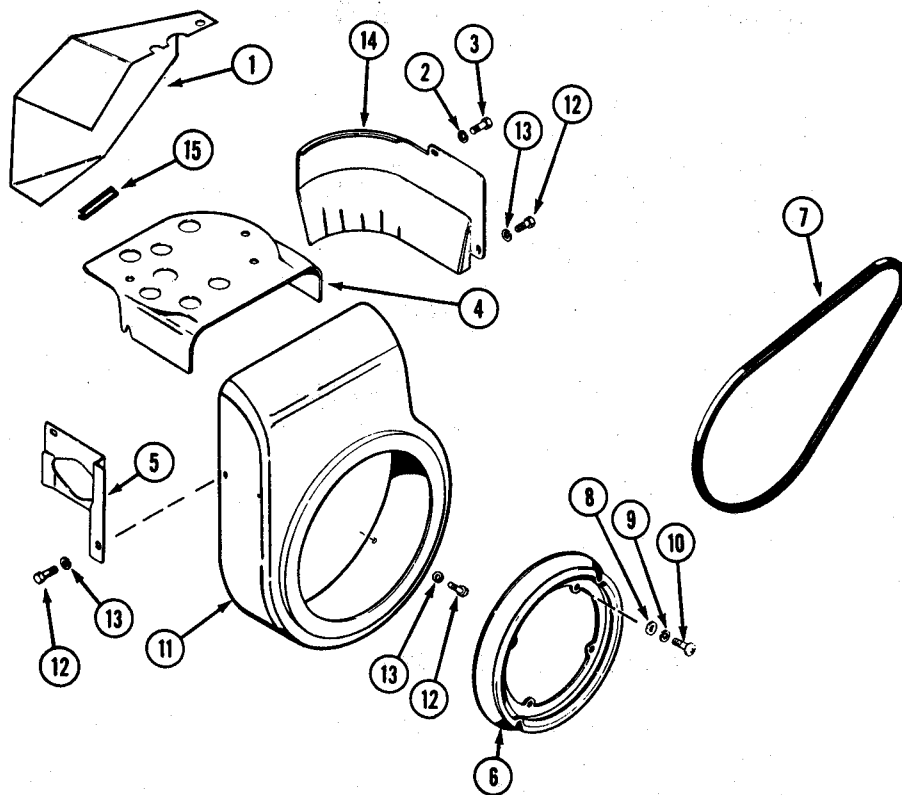
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444 ENGINE BLOCK AND ATTACHING PARTS CONT.

REF. PART NO.	DESCRIPTION	REQ'D
52 KO 235025	GASKET - camshaft gear cover	1
53 KO 235353	GASKET - oil pan	1
54 KO 235757	GASKET - shim, bearing plate, .010"	6
54 KO 235070	GASKET - shim, .010"	UAR
55 KO 237306	GASKET - cylinder head	1
56 A 72108	GASKET - fuel pump flange	1
57 A 72100	GASKET - carburetor flange	1
58 KO 231032	SEAL - breather	1
59 KO 275341	GASKET - carburetor air horn	1
60 KO 235057	GASKET - oil pan (Not used on this model)	1

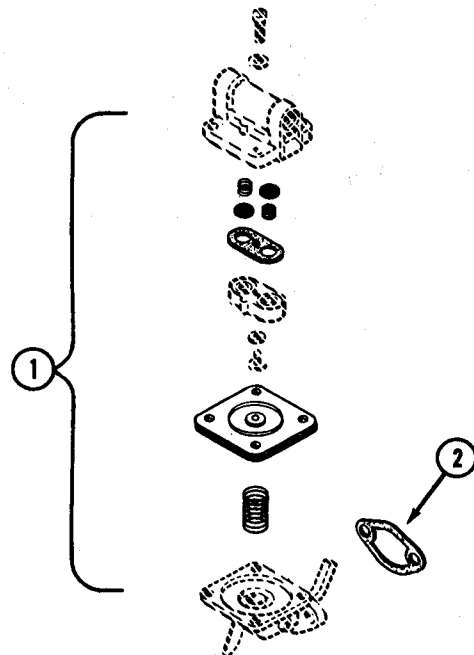
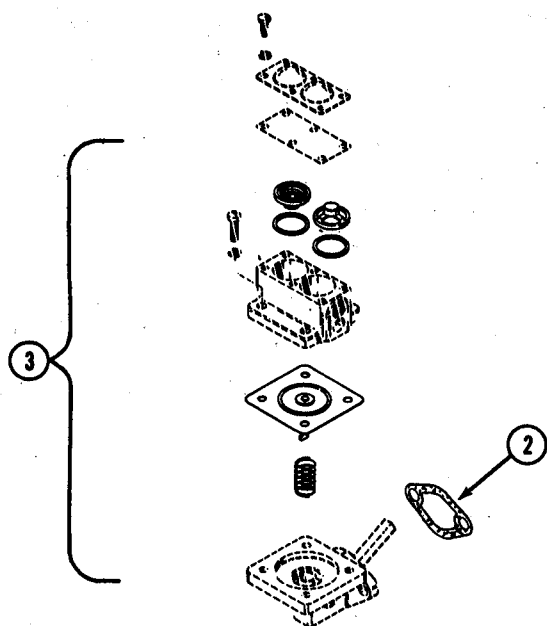
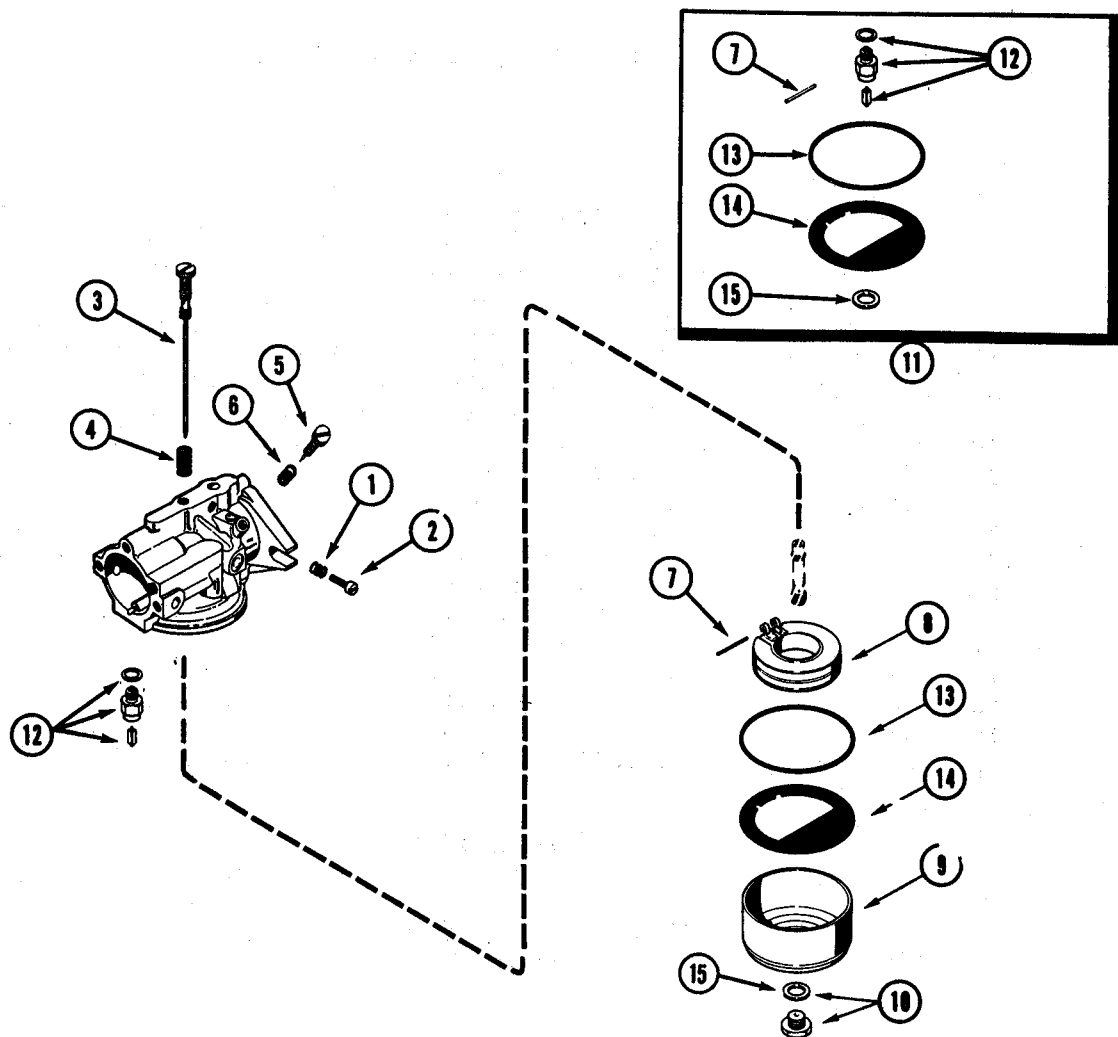


BAFFLES AND SHROUDS

REF. PART NO.	DESCRIPTION	REQ'D
1 C 18296	DEFLECTOR - engine air	1
2 192- 19	LOCKWASHER - 1/4" zinc plated	1
3 113- 6	BOLT - 1/4" x 1/2" NC hex, zinc plated	2
4 KO 235955	BAFFLE - cylinder head	2
5 KO 235368	BAFFLE - carburetor side air	1
6 KO 235207	PULLEY - starter	1
7 C 14345	BELT - drive, starter-generator	1
8 195- 515	WASHER - 1/4" zinc plated	1
9 192- 19	LOCKWASHER - 1/4" zinc plated	4
10 175- 436	SCREW - 1/4" x 5/8" NC truss head Phillips, zinc plated	4
11 KO 235951	HOUSING - blower	4
12 113- 2	BOLT - 1/4" x 3/4" NC hex, zinc plated	1
13 192- 19	LOCKWASHER - 1/4" zinc plated	4
14 KO 235054	BAFFLE - cylinder	4
15 C 12603	CHANNEL - deflector	1

FUEL SYSTEM

1 KOA237490	CARBURETOR ASSEMBLY - 444 (Used S/N 9652117 and after) ..	1
	(Repairs page 27)	
1 KOA236636	CARBURETOR ASSEMBLY - 444 (Used prior to S/N 9652117)...	1
	(Repairs page 27)	
1 A 72073	CARBURETOR ASSEMBLY - 220 & 222 (Repairs page 27).....	1
2 A 72100	GASKET - carburetor flange	1
3 C 10678	ELBOW - fuel pump and carburetor	3
4 214- 251	CLAMP - hose	4
5 C 15007	HOSE - carburetor 5-1/4"	1
6 192- 20	LOCKWASHER 5/16"	2
7 113- 103	BOLT - 5/16" x 1" NC hex	2
8 KOA235845	PUMP - fuel, 10 h.p. models (Repairs page 27)	1
9 71- 410	SCREW - 1/4" x 5/8" NC fillister head	2
10 193- 60	LOCKWASHER - 1/4"	2
11 KO 275341	GASKET - air horn	1
12 KOA236205	PUMP - fuel, 12 and 14 h.p. models (Repairs page 27)	1
13 A 72108	GASKET - fuel pump mounting, all models	1
14 C 10657	ELBOW ASSEMBLY - fuel tank	1
15 C 14157	CLIP - fuel line	2
16 C 17574	HOSE - fuel line 43"	1
17 C 16363	TANK - fuel	1
18 C 11529	CAP - fuel tank (Includes insert)	1
19 C 11545	INSERT - fuel cap	1
20 C 16796	STRAP - fuel tank mounting	2
21 173- 215	SCREW - 1/4 x 1/2" NC round head, machine, zinc plated	2
22 129- 504	NUT - square 1/4" NC	2
23 C 14690	CUSHION - fuel tank	2

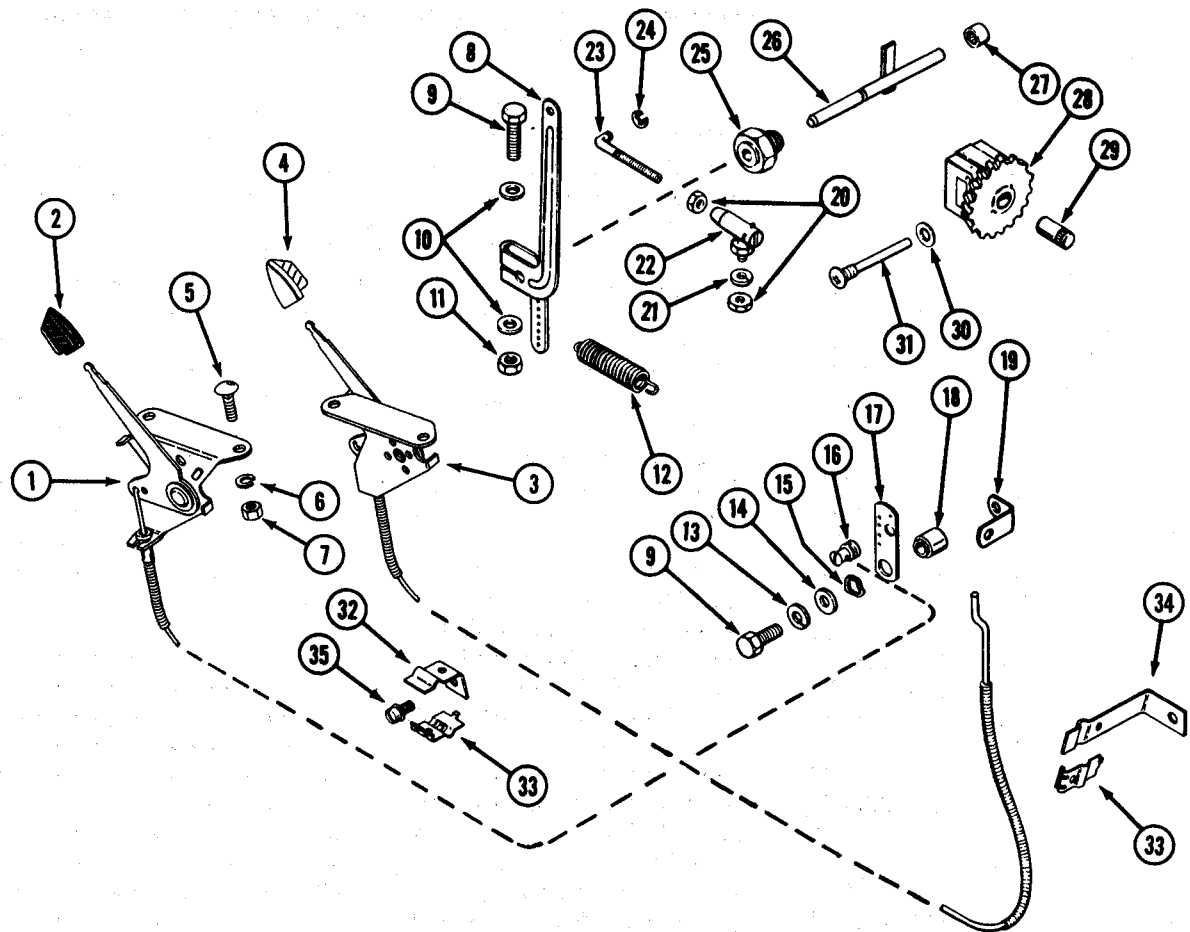


A72073 CARBURETOR

REF.	PART NO.	DESCRIPTION	REQ'D
	A 72073	CARBURETOR ASSEMBLY - 220, 222 & 442	1
	KOA236636	CARBURETOR ASSEMBLY - 444 (Used prior to S/N 9652117)...	1
	KOA237490	CARBURETOR ASSEMBLY - 444 (Used S/N 9652117 and after) ..	1
1	KO 200380	SPRING - tension, idle adjust	1
2	A 72092	SCREW - idle adjust	1
3	A 72077	NEEDLE - main fuel adjust, 220, 222 & 442	1
3	KO 275373	NEEDLE - main fuel adjust, 444 (used prior to S/N 9652117) .	1
3	KO 237489	NEEDLE - main fuel adjust, 444 (used S/N 9652117 and after).	1
4	KO 200383	SPRING - main fuel adjust	1
5	A 72099	NEEDLE - idle adjust (220, 222 & 442)	1
5	KO 275231	NEEDLE - idle adjust (444)	1
6	KO 200380	SPRING - idle fuel adjust	1
7	A 72079	PIN - float	1
8	A 72078	FLOAT - carburetor	1
9	A 72080	BOWL - carburetor	1
10	A 72084	SCREW AND GASKET ASSEMBLY - carburetor bowl	1
11	A 72103	KIT - carburetor repair	1
12	NSS	INLET NEEDLE AND SEAT ASSEMBLY	1
13	NSS	GASKET - bowl ring	1
14	NSS	GASKET - bowl baffle	1
15	A 72083	GASKET - bowl screw	1

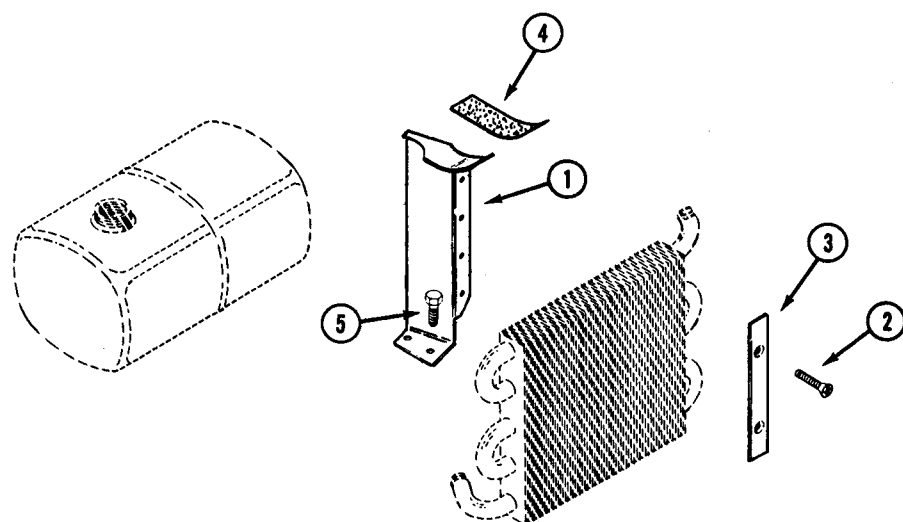
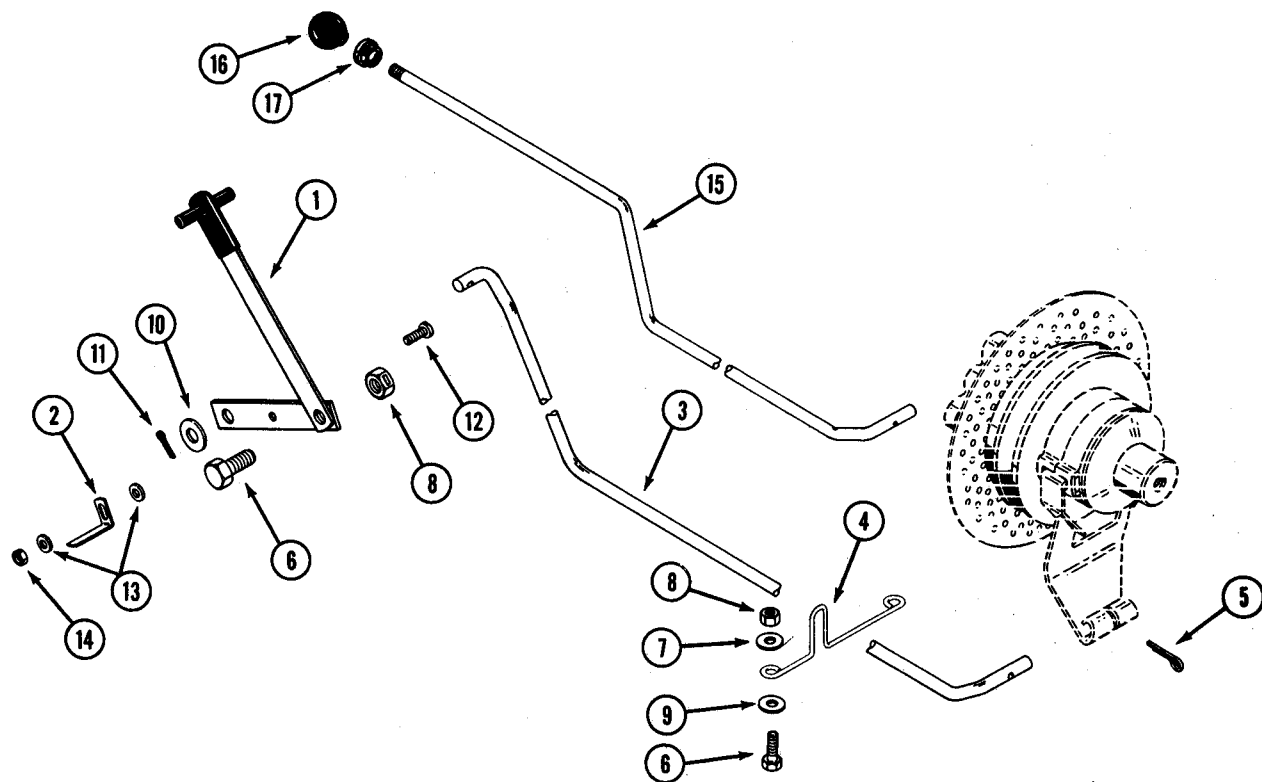
FUEL PUMP

1	KO 230675	KIT - fuel pump for KOA235845 pump	1
	NSS	SPRING - fuel pump valve	2
	NSS	VALVE	2
	NSS	GASKET - valve	1
	NSS	DIAPHRAGM ASSEMBLY	1
	NSS	SPRING - diaphragm	1
2	A 72108	GASKET - fuel pump mounting	1
3	KO 236387	KIT - fuel pump for KOA236205 pump	1
	NSS	VALVE ASSEMBLY	2
	NSS	GASKET - valve	2
	NSS	DIAPHRAGM ASSEMBLY	1
	NSS	SPRING - diaphragm	1
	NSS	GASKET - valve	1
2	A 72108	GASKET - fuel pump mounting	1



CHOKE, THROTTLE AND GOVERNOR

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 16449	CONTROL - throttle	1
2	C 12224	HANDLE - throttle control, black	1
3	C 16448	CONTROL - choke	1
4	C 14506	HANDLE - choke control, white	1
5	111- 1	BOLT - 10-24 x 1/2" round head, square neck	2
6	192- 18	LOCKWASHER - #10 Std. plated	2
7	129- 17	NUT - #10-24 plated	2
8	KO 235494	LEVER - governor	1
9	15- 420	BOLT - 1/4" x 1-1/4" NC hex	2
10	195- 515	WASHER - 1/4" plated	2
11	25- 104	NUT - 1/4" hex	1
12	KO 235496	SPRING - governor	1
13	192- 19	LOCKWASHER - 1/4" plated	1
14	C 18098	WASHER - thrust	1
15	KO 275690	WASHER - wavy	1
16	KO 231052	CLAMP - swivel, wire	1
17	KO 235086	LEVER - speed control	1
18	KO 235085	SPACER - speed control bracket	1
19	KO 235084	BRACKET - high speed stop	1
20	129- 37	NUT - #10-32 hex	2
21	192- 18	LOCKWASHER - 3/16" plated	1
22	A 10326	JOINT - ball	1
23	KO 235277	ROD - throttle	1
24	KO 235278	RING - retaining, throttle rod	1
25	KO 235476	BUSHING - governor cross shaft	1
26	KOA235256	SHAFT ASSEMBLY - governor cross	1
27	C 18103	BEARING - needle governor shaft	1
28	KOA235743	GEAR ASSEMBLY - governor	1
29	KO 235125-S	SHAFT - governor stub	1
30	C 18099	WASHER - governor stop pin	1
31	KO 231355	PIN - governor stop	1
32	KO 235900	BRACKET - throttle cable	1
33	KO 235603	CLIP - bracket	2
34	KO 235680	BRACKET - choke cable	1
35	169- 95	SCREW - #10 x 3/8" NC fillister head	1

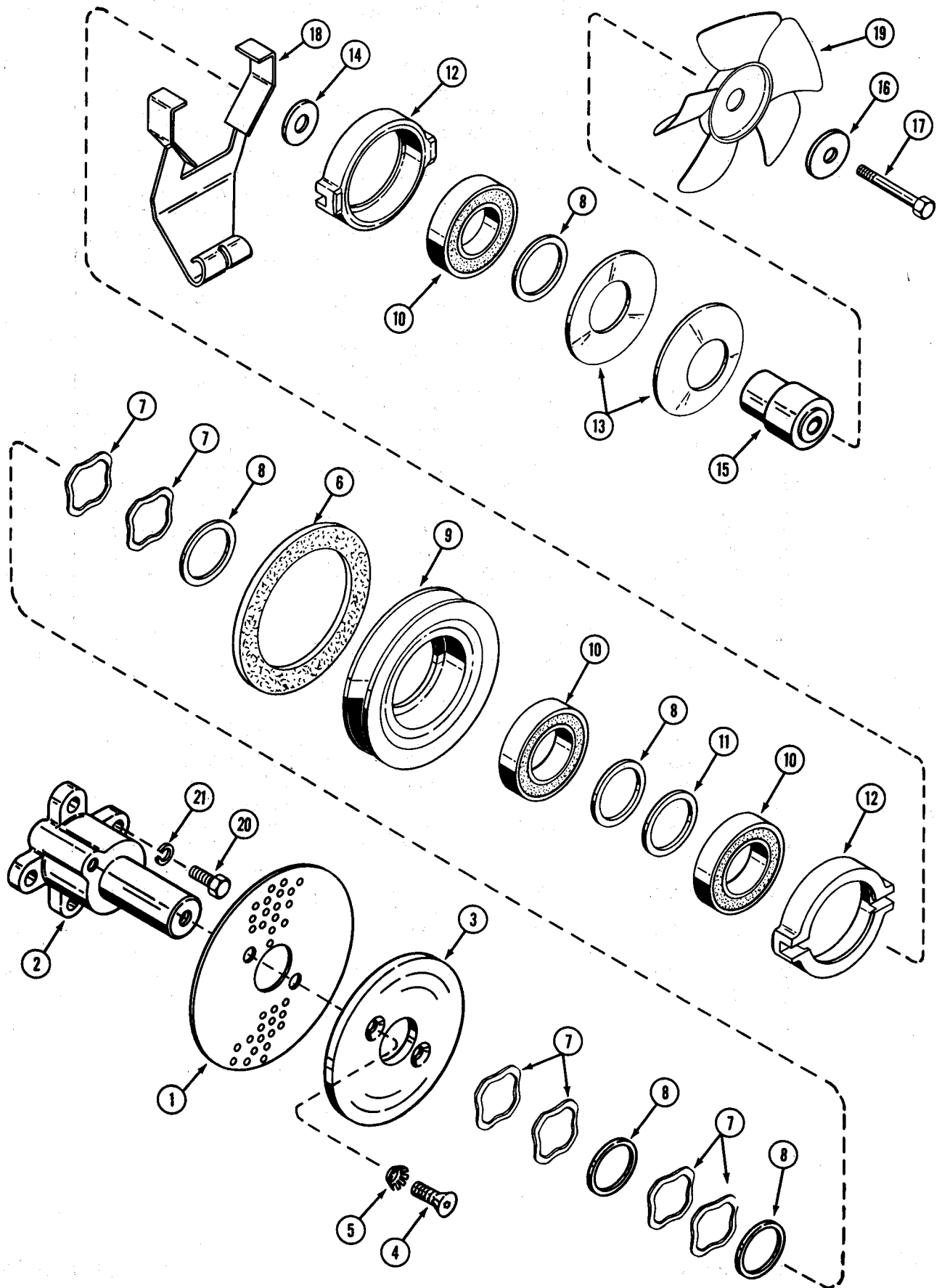


PULLEY CLUTCH & LINKAGE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 18052	LEVER - clutch, 222 (used S/N 9649590 and after)	1
1	C 18052	LEVER - clutch, 442 (used S/N 9650949 and after)	1
1	C 18052	LEVER - clutch, 444 (used S/N 9653291 and after)	1
1	C 18052	LEVER - clutch, 220 (used S/N 9647856 and after)	1
2	C 18115	STRIP - switch, PTO safety	2
3	C 18053	ROD - clutch, 220 (used S/N 9647856 and after)	1
3	C 18053	ROD - clutch, 222 (used S/N 9649590 and after)	1
3	C 18053	ROD - clutch, 442 (used S/N 9650949 and after)	1
3	C 18053	ROD - clutch, 444 (used S/N 9653291 and after)	1
4	C 16682	RETAINER - clutch rod	1
5	132- 48	PIN - cotter 1/8" x 1"	1
6	113- 207	BOLT - 3/8" x 1" NC hex	3
7	195- 126	WASHER - spacer (used on models without hydraulic lift)	2
8	131- 178	LOCKNUT - 3/8" NC hex	3
9	195- 104	WASHER - 3/8"	2
10	195- 525	WASHER - 3/8"	1
11	132- 46	PIN - cotter 1/8" x 3/4"	1
12	C 15702	SCREW - insulating #10 x 5/8" NF binder head	2
13	C 15703	WASHER - insulating 3/16"	4
14	C 15704	NUT - insulating #10 NF	2
15	C 14224	ROD - clutch, 220 (used prior to S/N 9647856)	1
15	C 14224	ROD - clutch, 222 (used prior to S/N 9649590)	1
15	C 14224	ROD - clutch, 442 (used prior to S/N 9650949)	1
15	C 14224	ROD - clutch, 444 (used prior to S/N 9653291)	1
16	C 10487	KNOB - (for C14224 clutch rod)	1
17	353- 441	BUSHING - (for C14224 clutch rod)	1

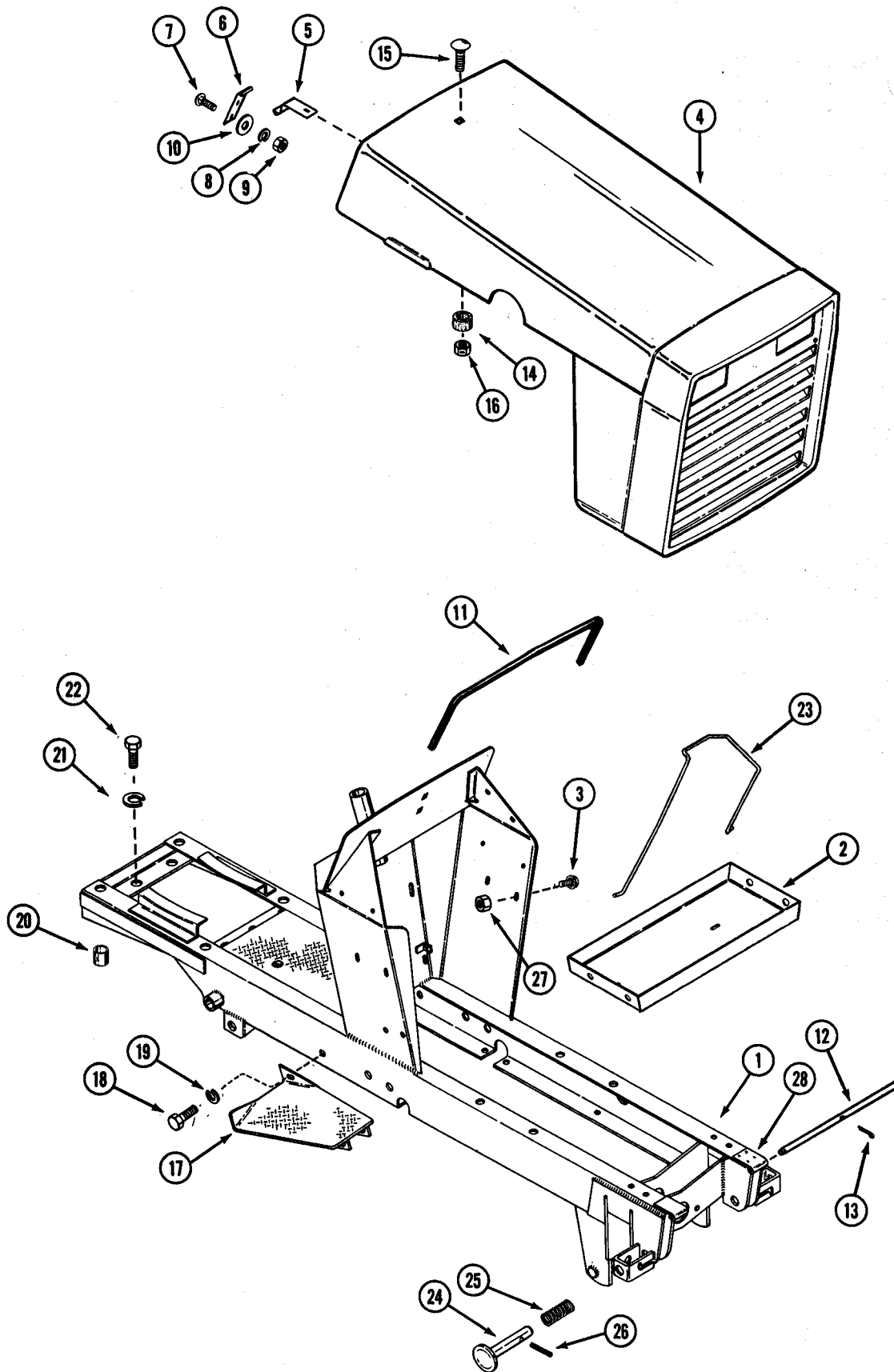
HYDRAULIC RESERVOIR MOUNTING

1	C 14240	SUPPORT - reservoir mounting R.H.	1
1	C 14241	SUPPORT - reservoir mounting L.H.	1
2	187- 1251	SCREW - 1/4 x 1-1/4" NC flat head Phillips	4
3	C 14246	BRACKET - heat exchanger mounting	2
4	C 14690	CUSHION - reservoir	2
5	113- 118	BOLT - 5/16 x 5/8" NC hex	4



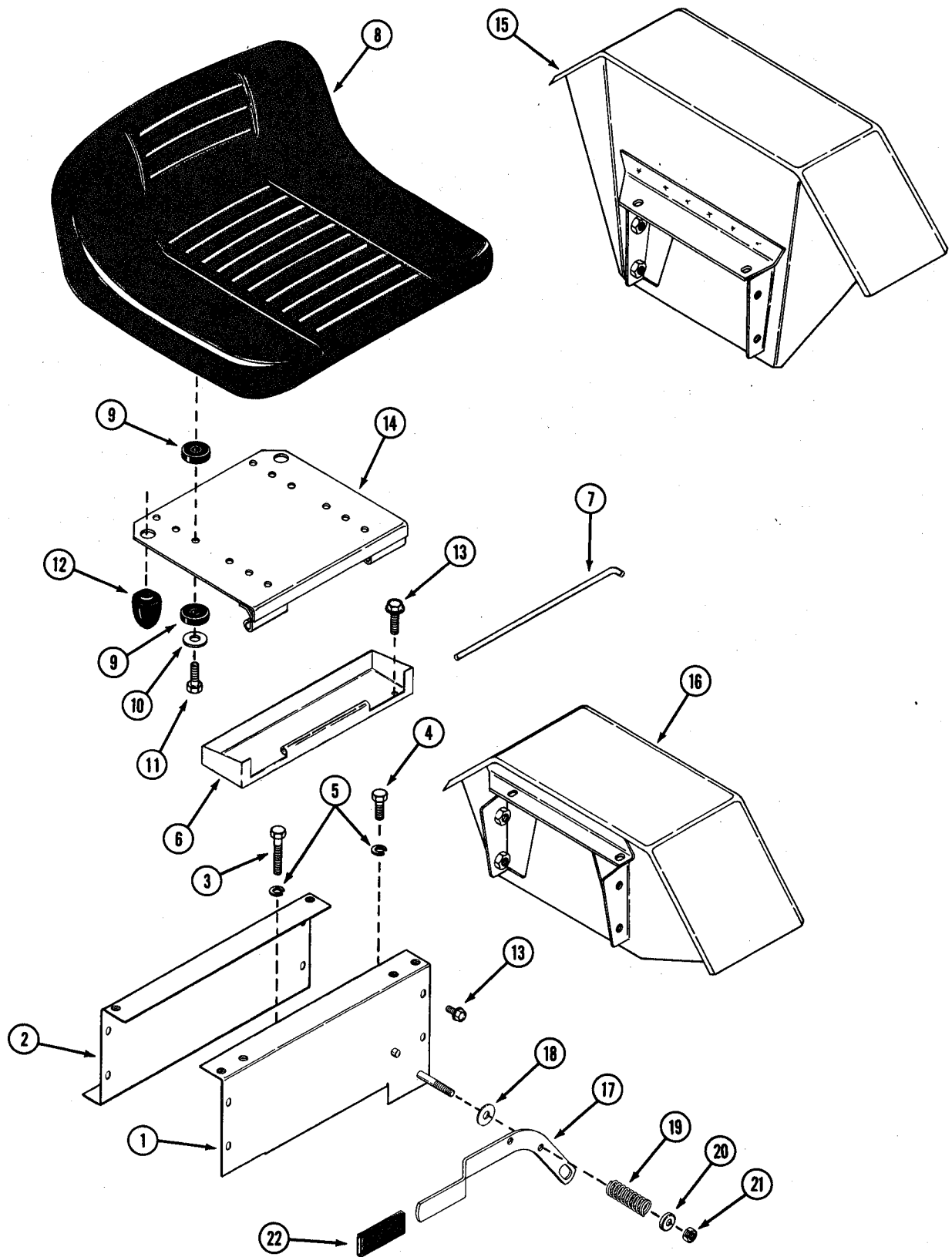
CLUTCH ASSEMBLY (PTO)

REF.	PART NO.	DESCRIPTION	REQ'D
	C 17302	CLUTCH ASSEMBLY - less screen, 220 (used prior to S/N 9648090) (order C18241 clutch for replacement)	1
	C 17302	CLUTCH ASSEMBLY - less screen, 222 (used prior to S/N 9649791) (order C18241 clutch for replacement)	1
	C 17302	CLUTCH ASSEMBLY - less screen, 442 (used prior to S/N 9651073) (order C18241 clutch for replacement)	1
	C 17302	CLUTCH ASSEMBLY - less screen, 444 (used prior to S/N 9653691) (order C18241 clutch for replacement)	1
	C 18241	CLUTCH ASSEMBLY - less screen, 220 (used S/N 9648090 and after).	1
	C 18241	CLUTCH ASSEMBLY - less screen, 222 (used S/N 9649791 and after).	1
	C 18241	CLUTCH ASSEMBLY - less screen, 442 (used S/N 9651073 and after).	1
	C 18241	CLUTCH ASSEMBLY - less screen, 444 (used S/N 9653691 and after).	1
1	C 15721	SCREEN - grass	1
2	C 15717	HUB - clutch (used with C17302 clutch).	1
2	C 18245	HUB - clutch (used with C18241 clutch).	1
3	C 15718	PLATE - clutch	1
4	164- 40	BOLT - 5/16" x 3/4" NC flat head socket	2
5	193- 76	LOCKWASHER - 5/16" countersunk external tooth	2
6	C 14291	DISC - friction	1
7	C 15515	WASHER - spring	6
8	C 15557	WASHER - spacer .050"	5
9	C 15719	PULLEY - clutch	1
10	C 14295	BEARING - cam and pulley	3
11	C 15556	WASHER - spacer .010"	1
12	C 14293	CAM - clutch	2
13	C 16786	SPRING - clutch load	2
14	C 15743	WASHER - spacer (used with C17302 clutch)	1
14	C 18243	WASHER - spacer (used with C18241 clutch)	1
15	C 16464	SPACER - hub (used with C17302 clutch).	1
15	C 18244	SPACER - hub (used with C18241 clutch).	1
16	195- 2036	WASHER - fan 13/32" (used with C17302 clutch).	1
16	O 2815N	WASHER - fan 17/32" (used with C18241 clutch).	1
17	C 15744	BOLT - 3/8" x 3-1/8" NC hex L.H. threads (used with C17302 clutch)	1
17	C 18242	BOLT - 1/2" x 3-1/8" NC hex L.H. threads (used with C18241 clutch)	1
18	C 14994	ARM - engaging	1
19	C 16616	FAN - cooling.	1
20	113- 207	BOLT - 3/8" x 1" NC hex ZP	4
21	192- 21	LOCKWASHER - 3/8"	4



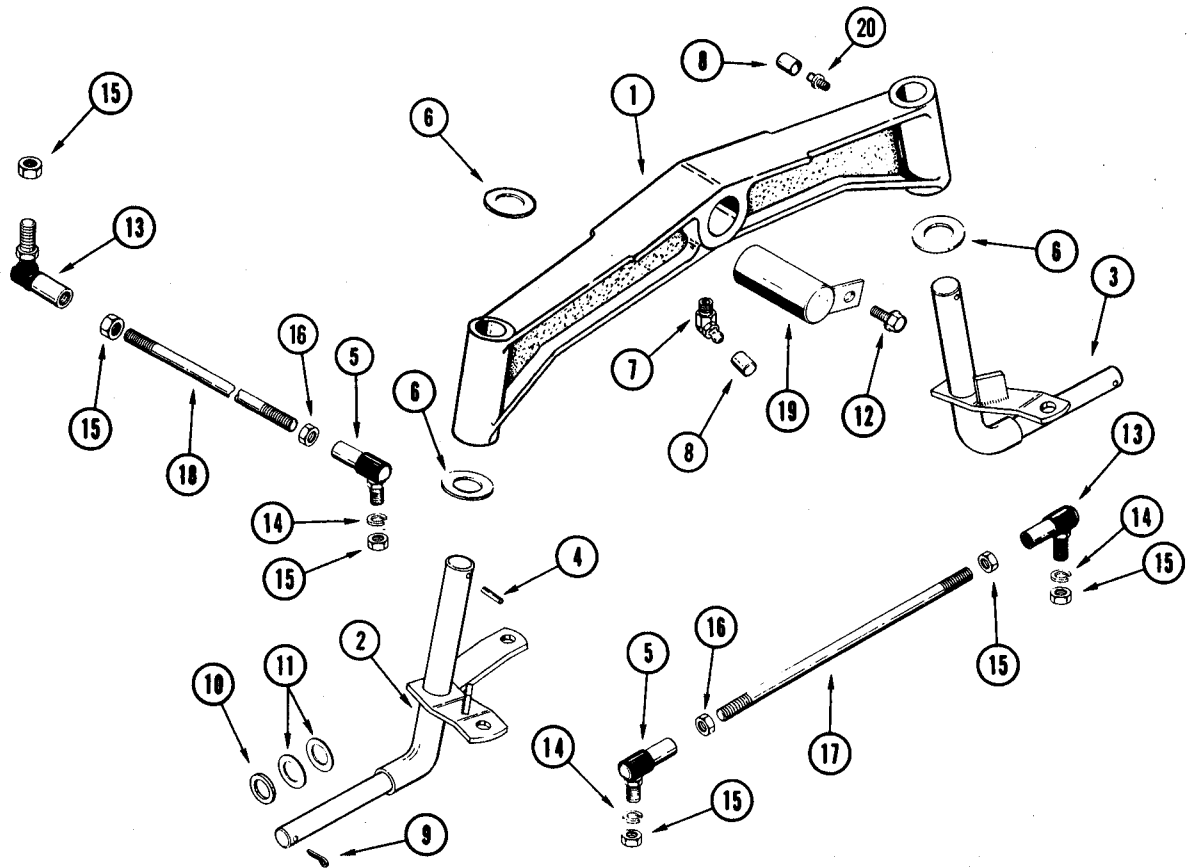
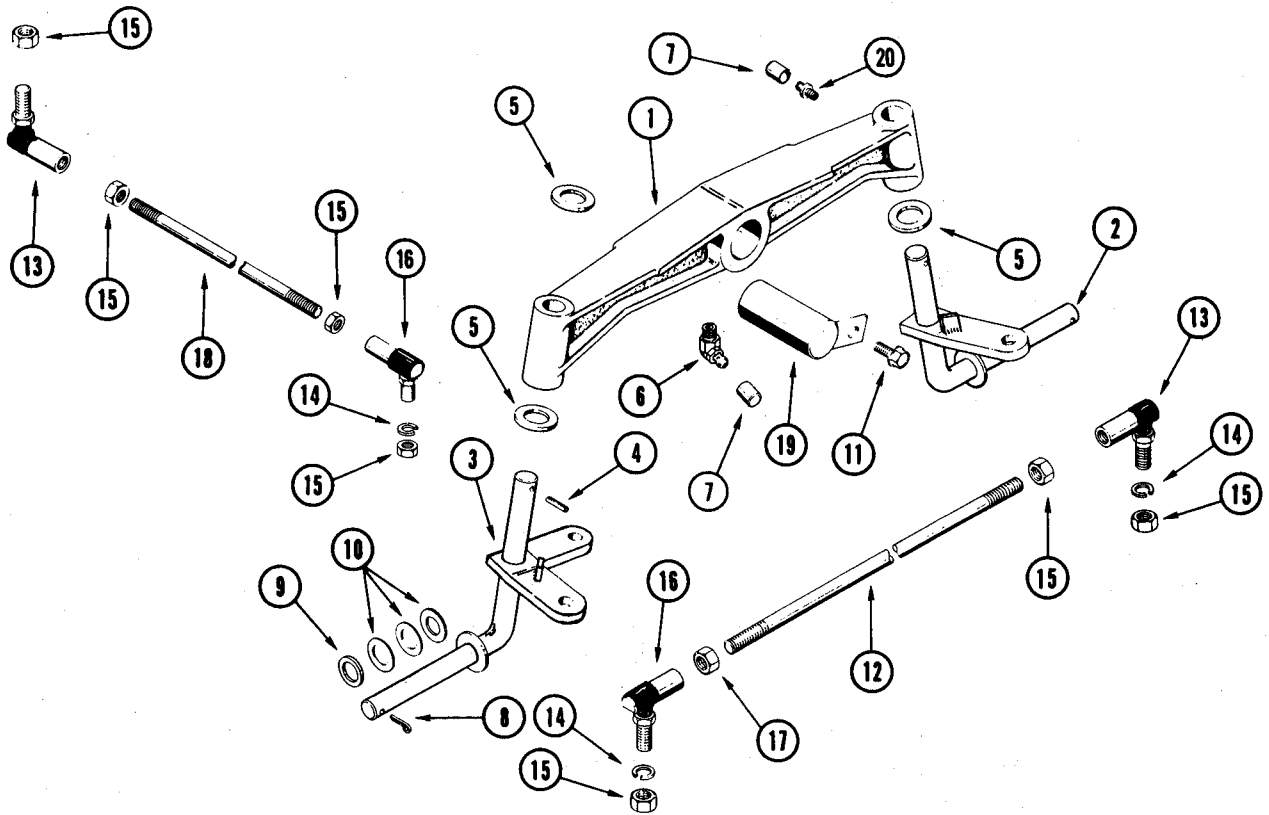
HOOD, FRAME AND GRILLE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 16195	FRAME - main, 220 (used prior to S/N 9647856)	1
1	C 16195	FRAME - main, 222 (used prior to S/N 9649590)	1
1	C 16196	FRAME - main, 442 (used prior to S/N 9650949)	1
1	C 16196	FRAME - main, 444 (used prior to S/N 9653291)	1
1	C 18059	FRAME - main, 220 (used S/N 9647856 and after)	1
1	C 18059	FRAME - main, 222 (used S/N 9649590 and after)	1
1	C 18060	FRAME - main, 442 (used S/N 9650949 and after)	1
	C 18060	FRAME - main, 444 (used S/N 9653291 and after)	1
2	C 16170	TRAY - battery	1
3	121- 106	SCREW - 5/16" x 1/2" whizlock	4
4	C 16364	HOOD AND GRILLE ASSEMBLY	1
5	C 15183	SPRING - hood latch	1
6	C 15184	LATCH - hood	1
7	111- 1	BOLT - #10 x 1/2" NC round head, square neck	2
8	192- 18	LOCKWASHER - #10	2
9	129- 17	NUT - #10 NC hex	2
10	195- 512	WASHER - 7/32" zinc plated	2
11	C 18153	CHANNEL - instrument panel liner	1
12	C 16362	ROD - hood hinge	1
13	132- 46	PIN - cotter 1/8" x 3/4"	1
14	C 14500	SPACER - hood	1
15	111- 109	BOLT - 1/4" x 1-1/4" NC round head, square neck	1
16	131- 71	LOCKNUT - 1/4" NC hex	1
17	C 18148	PAD - foot L.H.	1
17	C 18150	PAD - foot R.H.	1
18	13- 514	BOLT - 5/16" x 7/8" NC hex	2
19	192- 20	LOCKWASHER - 5/16"	2
20	C 14729	SPACER - rear frame (442 & 444)	2
20	C 14730	SPACER - rear frame (220 & 222)	2
21	192- 23	LOCKWASHER - 1/2"	4
22	113- 424	BOLT - 1/2" x 1" NC hex	4
23	C 16239	STRAP - battery hold down	1
24	C 16373	PIN - latch	2
25	C 16374	SPRING - latch	2
26	138- 319	PIN - roll 3/16" x 1-1/4"	2
27	129- 102	NUT - 5/16" NC hex	4
28	C 16351	HINGE - frame	2



SEAT, FENDERS AND TOOL TRAY

REF. PART NO.	DESCRIPTION	REQ'D
1 C 16408	SUPPORT - seat, front	1
2 C 16404	SUPPORT - seat, rear	1
3 113- 441	BOLT - 1/2 x 2-1/4" NC hex (442 & 444)	2
3 113- 427	BOLT - 1/2 x 3-1/4" NC hex (220 & 222)	2
4 113- 424	BOLT - 1/2 x 1" NC hex	2
5 192- 23	LOCKWASHER - 1/2"	4
6 C 16430	TRAY - tool	1
7 C 16429	PIN - seat hinge	1
8 C 16129	SEAT - 220 & 222	1
8 C 16651	SEAT - 442 & 444	1
9 C 15410	CUSHION - rubber	8
10 195- 2021	WASHER - 5/16 x 1-1/4" OD, zinc plated	4
11 26- 524	BOLT - 5/16 x 1-1/2"	4
12 C 14534	BUMPER - seat	2
13 121- 106	BOLT - 5/16 x 1/2" flange whizlock	14
14 C 17152	HINGE ASSEMBLY - seat	1
15 C 16444	FENDER - L. H. (442 & 444)	1
15 C 16445	FENDER - R. H. (442 & 444)	1
16 C 16446	FENDER - L. H. (220 & 222)	1
16 C 16447	FENDER - R. H. (220 & 222)	1
17 C 16393	LEVER - shift	1
18 195- 2029	WASHER - 7/16 x 1-1/4" OD	1
19 C 17216	SPRING - shift lever	1
20 C 17066	WASHER - cupped	1
21 131- 178	NUT - lock 3/8" NC hex	1
22 C 14728	GRIP - shift lever	1

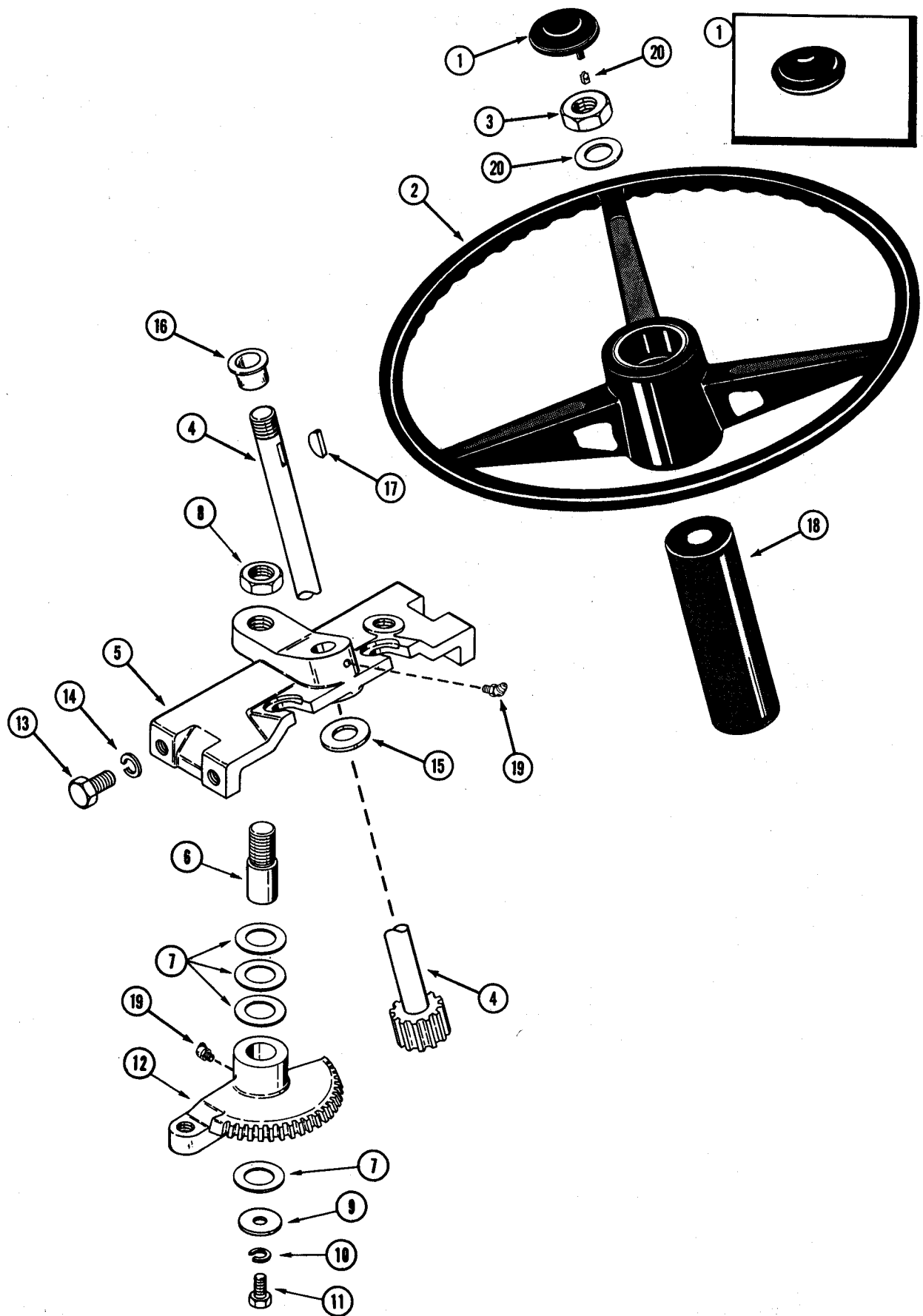


220 AND 222 FRONT AXLE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14129	AXLE - front	1
2	C 14128	SPINDLE - left hand	1
3	C 14131	SPINDLE - right hand	1
4	138- 99	PIN - roll	2
5	C 11906	WASHER - thrust	4
6	219- 404	FITTING - lube	3
7	C 13106	COVER - lube fitting	3
8	132- 311	PIN - cotter 5/32 x 1-1/4"	2
9	C 12975	WASHER - wheel spindle	2
10	A 30881	WASHER - wheel spacer	6
11	187- 1046	BOLT - 3/8" NC indented hex head	1
12	C 14334	TIE ROD	1
13	C 12102	BALL JOINT - 1/2" R. H. thread	2
14	192- 23	LOCKWASHER - 1/2" zinc plated	3
15	129- 125	NUT - 1/2" NF hex R. H. thread	6
16	C 13605	BALL JOINT - 1/2" L. H. thread	2
17	129- 325	NUT - 1/2" NF hex L. H. thread	2
18	C 16401	ROD - drag link	1
19	C 12003	PIN - axle pivot	1
20	219- 17	FITTING - lube	2

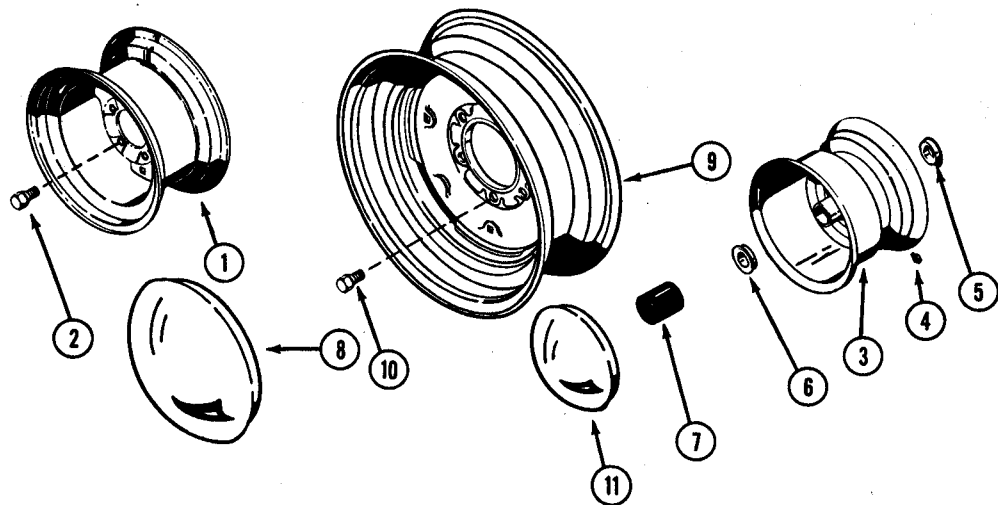
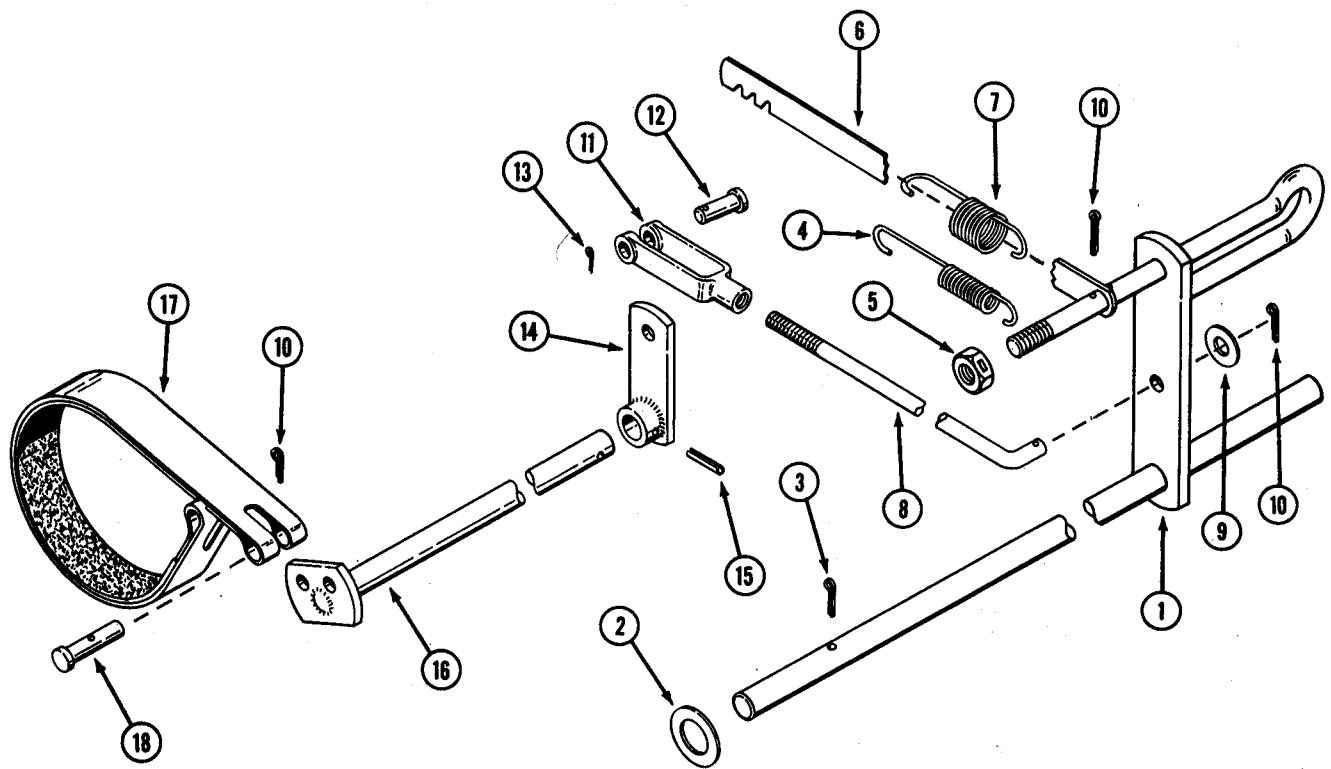
442 AND 444 FRONT AXLE

1	C 14151	AXLE - front	1
2	C 16382	SPINDLE - right hand	1
3	C 16383	SPINDLE - left hand	1
4	138- 99	PIN - roll	2
5	C 13605	BALL JOINT - 1/2" L. H. thread	2
6	C 13716	WASHER - thrust	4
7	219- 404	FITTING - lube	3
8	C 13106	COVER - lube fitting	3
9	132- 311	PIN - cotter 5/32 x 1-1/4"	2
10	C 12975	WASHER - wheel spindle	2
11	A 30881	WASHER - wheel spacer	4
12	187- 1046	BOLT - 3/8" NC indented hex head	1
13	C 12102	BALL JOINT - 1/2" R. H. thread	2
14	192- 23	LOCKWASHER - 1/2" zinc plated	3
15	129- 125	NUT - 1/2" NF hex R. H. thread	6
16	129- 325	NUT - 1/2" NF hex L. H. thread	2
17	C 16384	TIE ROD	1
18	C 16401	ROD - drag link	1
19	C 12003	PIN - axle pivot	1
20	219- 17	FITTING - lube	2



STEERING GEAR

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 16945	CAP - steering wheel (used with C16944 steering wheel)	1
1	C 18016	CAP - steering wheel (used with C18014 steering wheel)	1
2	C 16944	WHEEL - steering, 220 (used prior to S/N 9647434)	1
2	C 16944	WHEEL - steering, 222 (used prior to S/N 9649226)	1
2	C 16944	WHEEL - steering, 442 (used prior to S/N 9650702)	1
2	C 16944	WHEEL - steering, 444 (used prior to S/N 9652579)	1
2	C 18014	WHEEL - steering, 220 (used S/N 9647434 and after)	1
2	C 18014	WHEEL - steering, 222 (used S/N 9649226 and after)	1
2	C 18014	WHEEL - steering, 442 (used S/N 9650702 and after)	1
2	C 18014	WHEEL - steering, 444 (used S/N 9652579 and after)	1
3	131- 356	NUT - lock 5/8"	1
4	C 16200	SHAFT - steering	1
5	C 16644	SUPPORT - steering gear	1
6	C 14200	PIN - pivot	1
7	C 14201	WASHER - shim	4
8	131- 1112	NUT - jam 3/4"	1
9	G 49048	WASHER	1
10	192- 20	LOCKWASHER - 5/16" zinc plated	1
11	113- 113	BOLT - 5/16" x 7/8" NC hex	1
12	C 14990	GEAR - steering	1
13	113- 206	BOLT - 3/8" x 3/4" NC hex	4
14	192- 21	LOCKWASHER - 3/8"	4
15	195- 2069	WASHER - 5/8" zinc plated	1
16	C 15096	BUSHING - flanged nylon	1
17	126- 16	KEY - Woodruff 3/16" x 3/4"	1
18	C 16692	TUBE - steering	1
19	219- 404	FITTING - lube 45°	2
20	C 12975	WASHER - 5/8"	1
21	C 18017	CLIP - tinnerman (use with C18014 steering wheel)	2

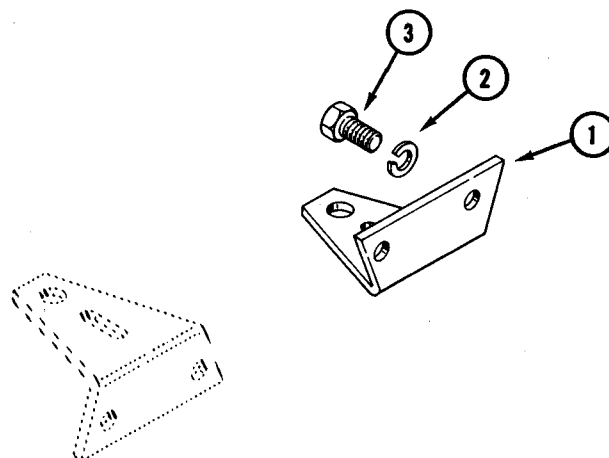
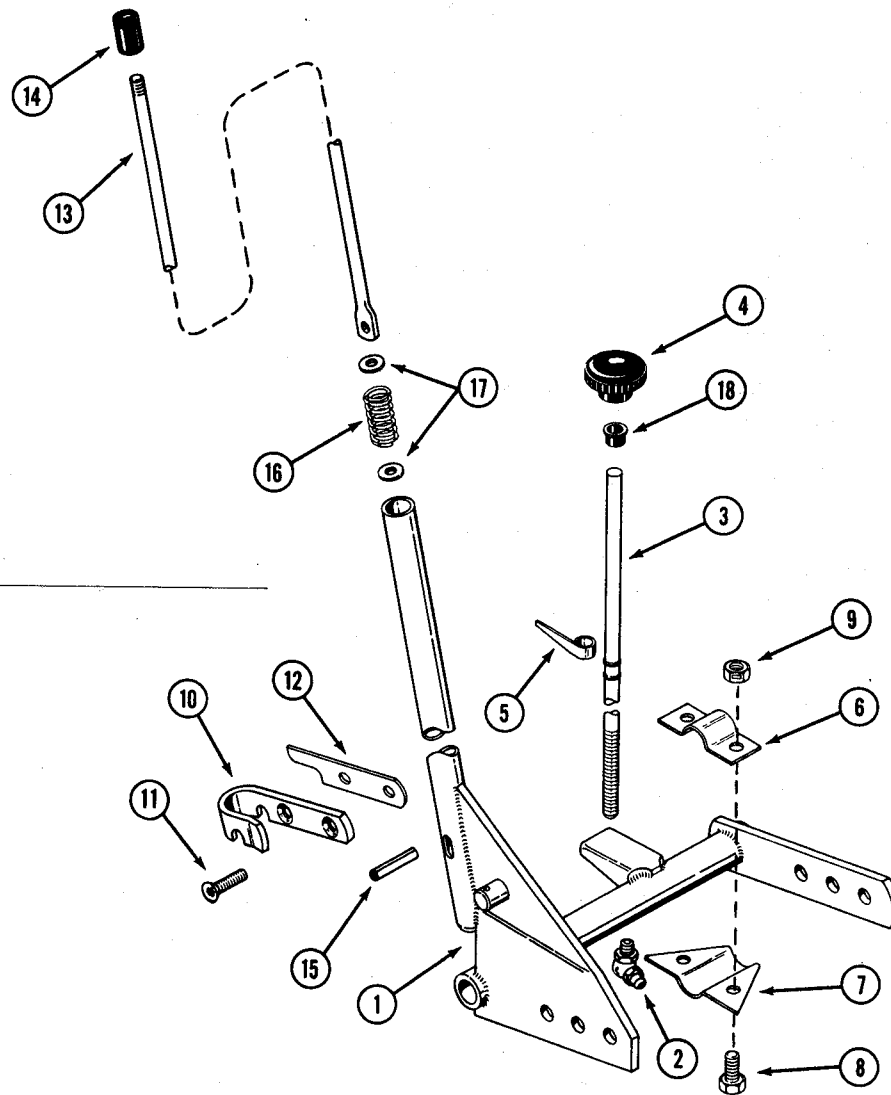


BRAKE ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 18152	PEDAL - brake	1
2	C 12975	WASHER - brake shaft	1
3	132- 336	PIN - cotter 1/8 x 1-1/2"	1
4	C 16370	SPRING - pedal return	1
5	131- 164	NUT - lock 1/2" NC hex	2
6	C 18147	LEVER - brake lock	1
7	C 16379	SPRING - brake lock	1
8	C 14946	ROD - brake (220 & 222)	1
8	C 14945	ROD - brake (442 & 444)	1
9	195- 104	WASHER - 7/16"	1
10	132- 310	PIN - cotter 1/8 x 1"	4
11	213- 4	CLEVIS - 3/8"	1
12	141- 4	PIN - clevis	1
13	132- 321	PIN - cotter 3/32 x 1"	1
14	C 13863	ARM - brake	1
15	138- 96	PIN - roll 3/16 x 1"	1
16	C 13866	SHAFT - brake	1
17	C 14187	BAND - brake	1
18	C 13526	PIN - clevis	2

FRONT AND REAR WHEELS

			220	442
			222	444
1	C 10263	WHEEL - rear, 5 bolt	2	
2	C 10314	BOLT - rear wheel	10	
3	C 12081	WHEEL - front	2	2
4	219- 1	FITTING - lube	2	2
5	C 12110	BEARING - wheel, inner	2	2
6	C 12111	BEARING - wheel, outer	2	2
7	C 12370	CAP - plastic, front	2	2
8	A 70185	CAP - hub, rear (optional)	2	
9	C 10317	WHEEL - rear, 6 bolt		2
10	A 30064	BOLT - rear wheel		12
11	A 70062	CAP - hub front wheel (optional)	2	2



MOUNTING POSITION FOR 220 AND 222 TRACTORS

IMPLEMENT LIFT

REF. PART NO.	DESCRIPTION	REQ'D
1 C 17319	LEVER ASSEMBLY - implement lift	1
2 219- 404	FITTING - lube 45°	1
3 C 16741	ROD - height adjust	1
4 C 16751	KNOB - height adjust	1
5 C 16750	ARM - indicator	1
6 C 17249	BRACKET - mounting top	1
7 C 17250	BRACKET - mounting bottom	1
8 13- 614	BOLT - 3/8 x 7/8" NC hex	4
9 131- 178	NUT - lock 3/8"	4
10 C 17174	LIFT - latch	1
11 164- 42	SCREW - 5/16 x 1-1/4" flat head socket	2
12 C 17281	SPACER - latch	4
13 C 17067	ROD - lift lever push	1
14 C 14525	BUTTON - thumb	1
15 138- 2054	PIN - spirol 5/16 x 1-3/4"	1
16 C 15564	SPRING - lift lever	1
17 195- 521	WASHER - 3/8 x 11/16" OD.	2
18 C 18144	BUSHING	1

DRAWBAR AND TOW HITCH

1 C 13360	DRAWBAR	1
2 192- 23	LOCKWASHER - 1/2" zinc plated	2
3 113- 424	BOLT - 1/2 x 1" NC hex zinc plated	2

