



Compact Tractors
220-S/N 9734870 & After
222-S/N 9736998 & After
224-S/N 9738335 & After
444-S/N 9739739 & After
Parts Catalog 1375

JI Case
A Tenneco Company



REVISION RECORD LOG

REVISION NO.	DATE INSERTED
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TS/6-6-76	

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Port Publ. 2500

Published February 1978



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Service Parts Supply

700 State Street
Racine, Wisconsin 53404

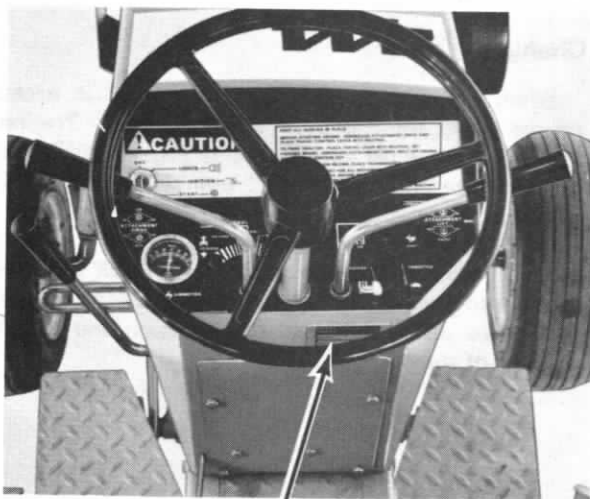
Printed in U.S.A.

COMPACT TRACTORS
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 221 - 21H 2100000 & 2100000
 222 - 21H 2100000 & 2100000
 223 - 21H 2100000 & 2100000
 224 - 21H 2100000 & 2100000

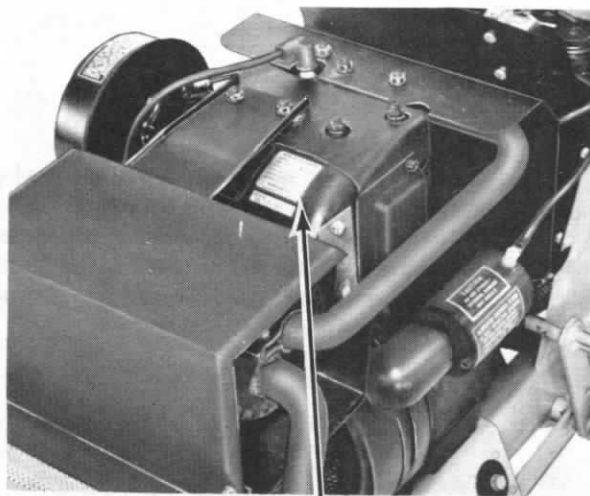
Model	HP	Weight	Wheelbase	Turning Radius	Top Speed	Fuel Capacity	Storage Capacity
220	18	1100	48"	10'	18.5	15	100
221	20	1200	50"	10'	19.5	16	110
222	22	1300	52"	10'	20.5	17	120
223	24	1400	54"	10'	21.5	18	130
224	26	1500	56"	10'	22.5	19	140



CASE 220, 222, 224 AND 444 COMPACT TRACTORS



TRACTOR MODEL AND
SERIAL NUMBER



ENGINE MODEL, SERIAL AND
SPECIFICATION NUMBER

TRACTOR MODEL DESIGNATIONS	ENGINE MODEL DESIGNATIONS
220 TRACTOR	K-241-AS C24784 SPEC. PF46746D
222 TRACTOR	K-301-AS C24785 SPEC. PF47612D
224 TRACTOR	K-321-AS C24786 SPEC. PF60324D
444 TRACTOR	K-321-AS C24786 SPEC. PF60324D

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.

GENERAL INFORMATION

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"

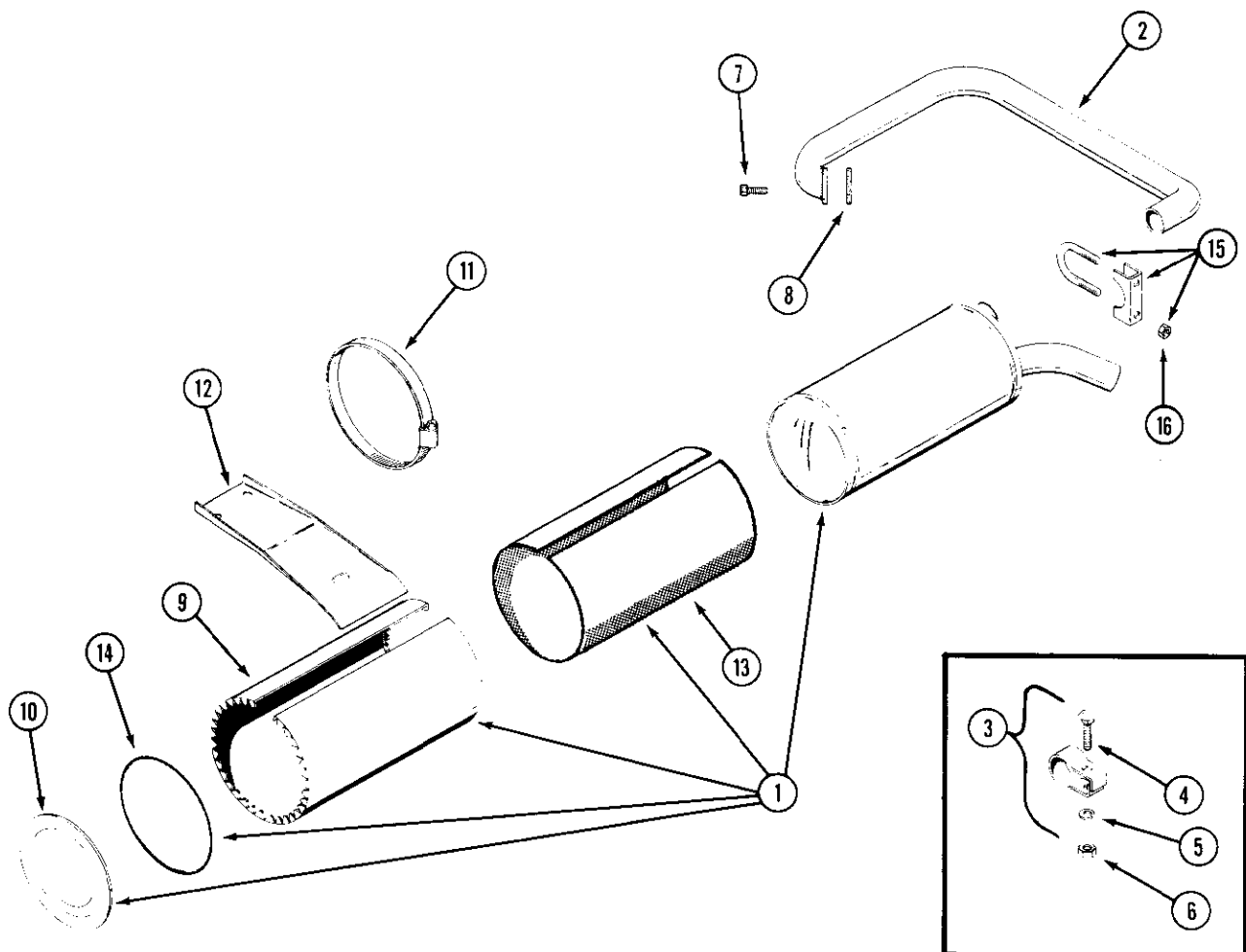
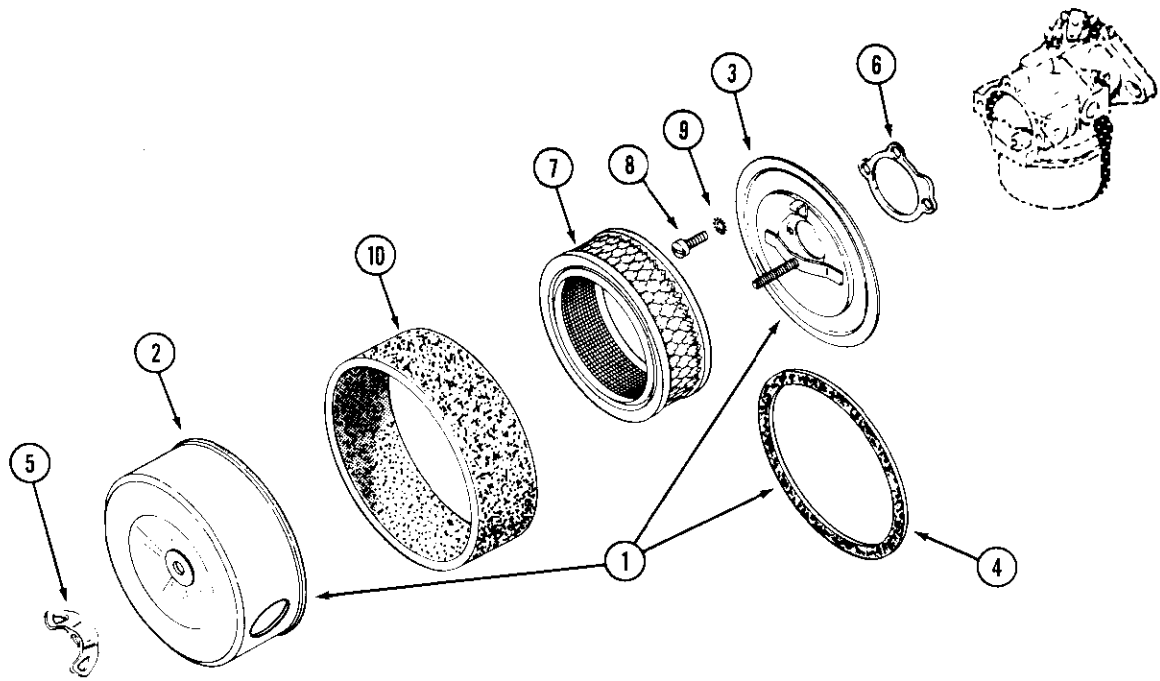
"Right Hand" and "Left Hand" sides of this machine are determined by standing at the rear of the unit and facing in the direction of forward travel.

ENGINE SECTION

	220 222	224 444		220 222	224 444
	Page			Page	
Air Cleaner	5	5	Filter, Breather	7	9
Battery	59	59	Flywheel	17-19	21
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Breather, Crankcase	7	9	Fuel Strainer	25	25
Camshaft	7	9	Fuel System	25	25
Carburetor	25-27	25-27	Gasket Kits	23	23
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Crankshaft	11-13	15	Muffler	5	5
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Cylinder Head	17-19	21	Oil Pan	17-19	21
Electrical System	59-63	59-63	Piston	11-13	15
Engine Block & Attaching Parts	17-19	21	PTO Clutch	31-33	31-33
Exchanger, Heat	49	49	Spark Plug	59	59
Exhaust System	5	5	Starter	57	57
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			Throttle Linkage	29	29
			Valves	7	9

BASIC TRACTOR SECTION

Axle, Front	39	L7 Holding Valve	83B
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Brakes	43	L19 Flow Control Valve Kit	83
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Decals	65	M9 Holding Valve	83B
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Motor, Hydraulic Drive	49-55	PTO Clutch	31-33
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Valve, Control Linkage	55	Tail Lamp	63
Implement Lift Lever	45	Tool Box	37
Instruments	59	Transmission	47
J17 Hydraulic PTO	79-81	Wheels, Front & Rear	43

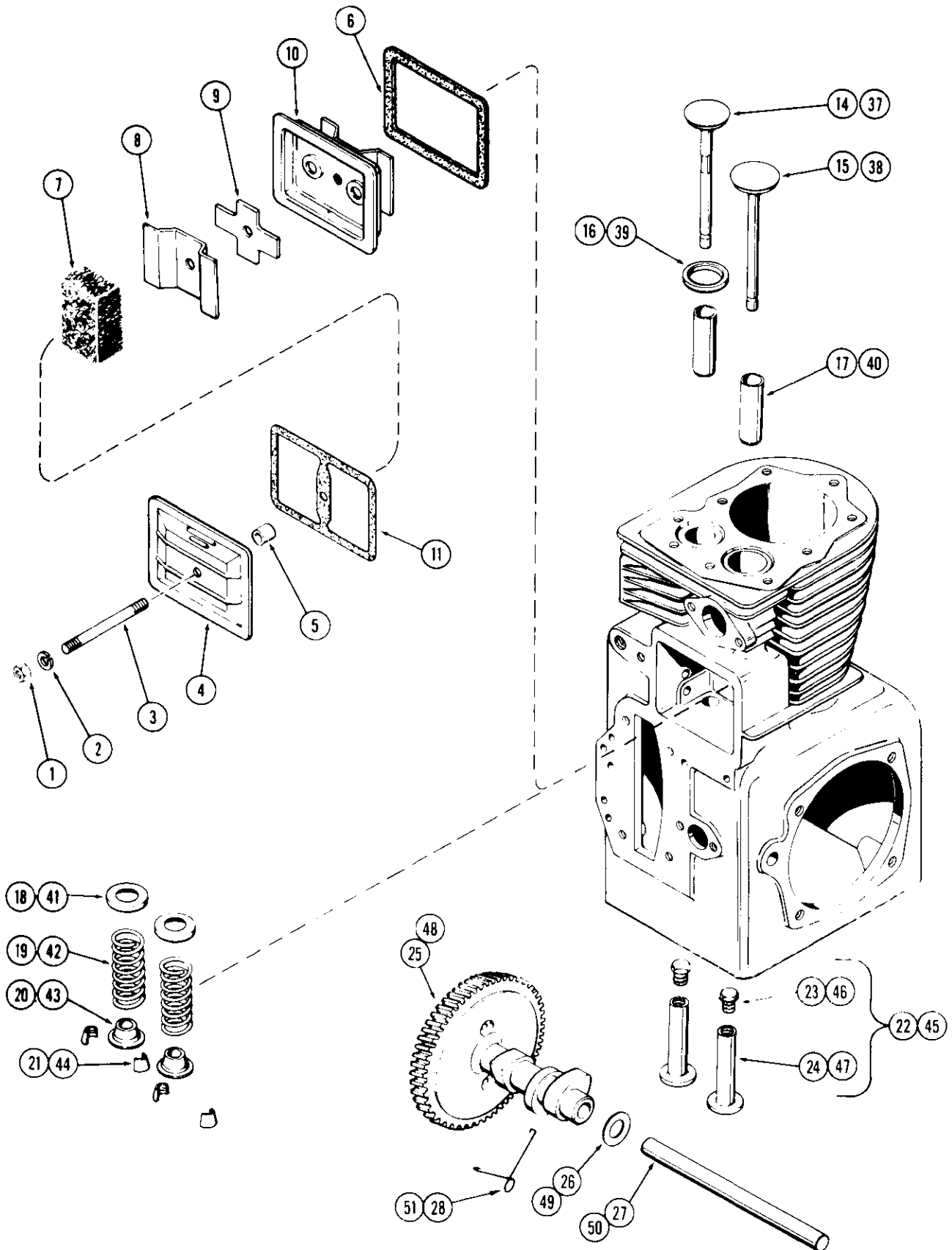


AIR CLEANER

REF.	PART NO.	DESCRIPTION	REQ'D
1	KO 237895	AIR CLEANER ASSEMBLY	1
2	NSS	COVER - air cleaner (order KO237895)	1
3	NSS	BASE - air cleaner (order KO237895)	1
4	KO 237423	GASKET - cover, air cleaner	1
5	129- 409	NUT - wing 1/4" N.C.	1
6	KO 275341	GASKET - air horn.	1
7	A 70090	ELEMENT - air cleaner	1
8	177- 94	SCREW - fillister head 10-32 x 5/16"	3
9	193- 6	LOCKWASHER - ext. tooth	3
10	KO 237421	PRE-CLEANER.	1

EXHAUST SYSTEM

1	C 24702	MUFFLER ASSEMBLY - exhaust (includes items 9, 10, 13 and 14 banded together)	1
2	C 22747	PIPE - engine exhaust	1
3	NSS	CLAMP ASSEMBLY - muffler (use L47766)	1
4	111- 256	BOLT - 5/16" x 1-1/4" round head NC	1
5	192- 20	LOCKWASHER - 5/16"	1
6	129- 102	NUT - 5/16" N.C. hex.	1
7	61- 510	BOLT - 5/16" x 5/8" socket head	2
8	C 10372	GASKET - exhaust	1
9	C 24295	WRAPPER - muffler	1
10	C 22889	COVER - muffler end	1
11	214- 272	CLAMP - muffler and wrapper mounting	3
12	C 22819	BRACKET - muffler mounting	1
13	C 22859	INSULATION - muffler	1
14	C 22860	INSULATION - muffler end	1
15	L 47766	CLAMP - muffler	1
16	129- 102	NUT - 5/16" - 18 hex	2



220 AND 222 CRANKCASE BREATHER

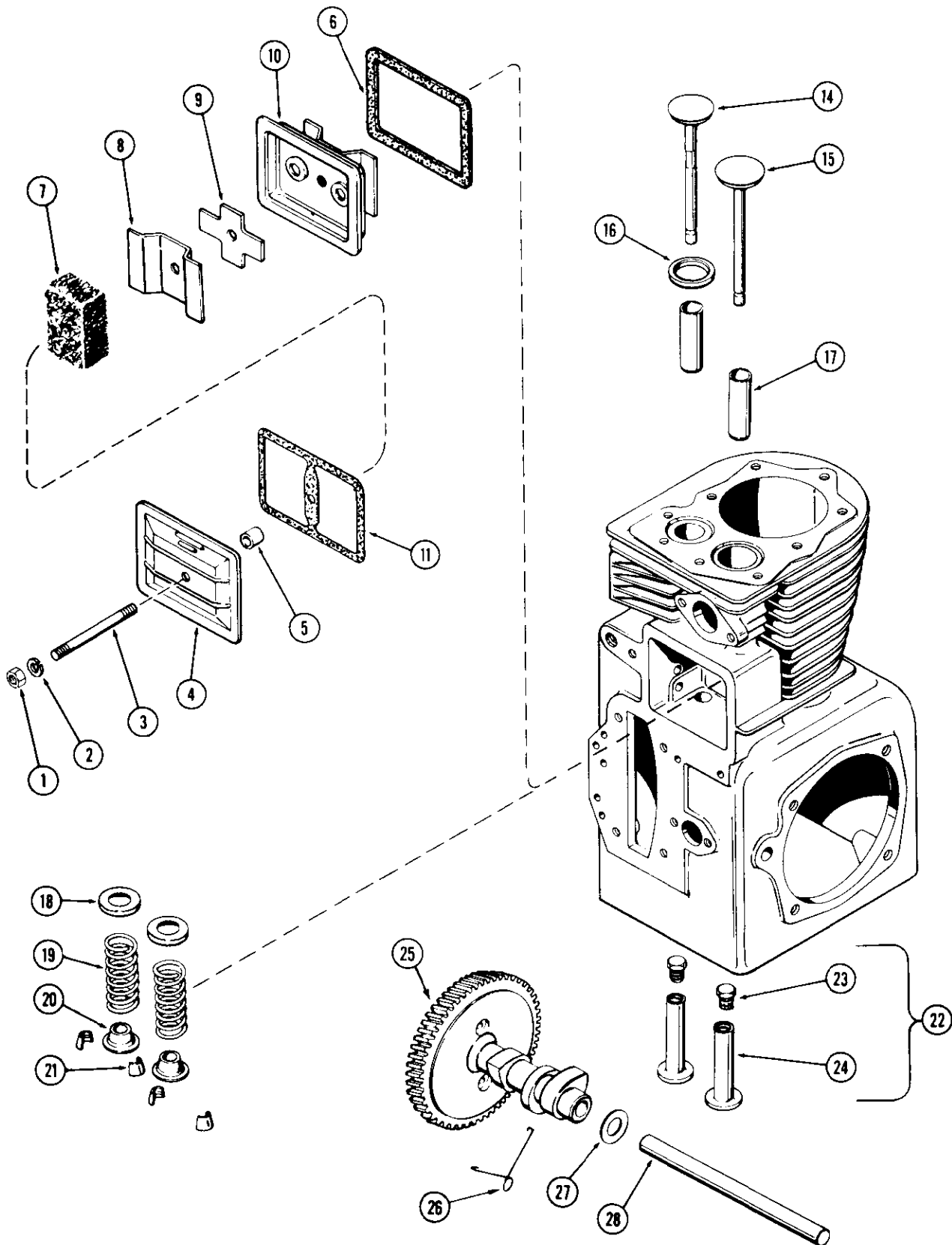
REF.	PART NO.	DESCRIPTION	REQ'D
1	129- 409	NUT - 1/4" NC hex	1
2	92- 4	LOCKWASHER - 1/4"	1
3	KO 275220	STUD - valve cover	1
4	KO 275143	COVER - valve.	1
5	KO 231032	SEAL - breather.	1
6	KO 235048	GASKET - breather plate.	1
7	KO 235118	FILTER - breather	1
8	KO 235117	BAFFLE - breather.	1
9	KO 235047	REED - breather.	1
10	KO 235631	PLATE - breather.	1
11	KO 275144	GASKET - valve cover.	1

220 CAMSHAFT AND VALVES

14	KO 235826	VALVE - exhaust	1
15	KO 235008	VALVE - intake.	1
16	KO 230170	INSERT - exhaust valve seat	1
17	KO 235007-S	GUIDE - valve	2
18	KO 235011	SEAT - valve spring.	2
19	KO 235010	SPRING - valve	2
20	KO 230011	RETAINER - valve spring	2
21	C 24884	KIT - valve retainer (includes both halves)	2
22	KOD 235327	LIFTER ASSEMBLY	2
23	NSS	SCREW - tappet adjusting	1
24	NSS	LIFTER - valve	1
25	C 24885	CAMSHAFT ASSEMBLY	1
26	KO 275066	SPACER - camshaft, .005"	UAR
26	KO 275067	SPACER - camshaft, .010"	UAR
27	KO 235053	PIN - camshaft.	1
28	V 34346	SPRING - actuating	1

222 CAMSHAFT AND VALVES

37	KO 235826	VALVE - exhaust	1
38	KO 235008	VALVE - intake	1
39	KO 230170	INSERT - exhaust valve seat.	1
40	KO 235007-S	GUIDE - valve	2
41	KO 235011	SEAT - valve spring.	2
42	KO 235010	SPRING - valve	2
43	KO 230011	RETAINER - valve spring	2
44	C 24884	KIT - valve retainer (includes both halves)	2
45	KOD 235327	LIFTER ASSEMBLY	2
46	NSS	SCREW - tappet adjusting	1
47	NSS	LIFTER - valve	1
48	C 24885	CAMSHAFT ASSEMBLY	1
49	KO 275066	SPACER - camshaft, .005"	UAR
49	KO 275067	SPACER - camshaft, .010"	UAR
50	KO 235053	PIN - camshaft.	1
51	V 34346	SPRING - actuating	1

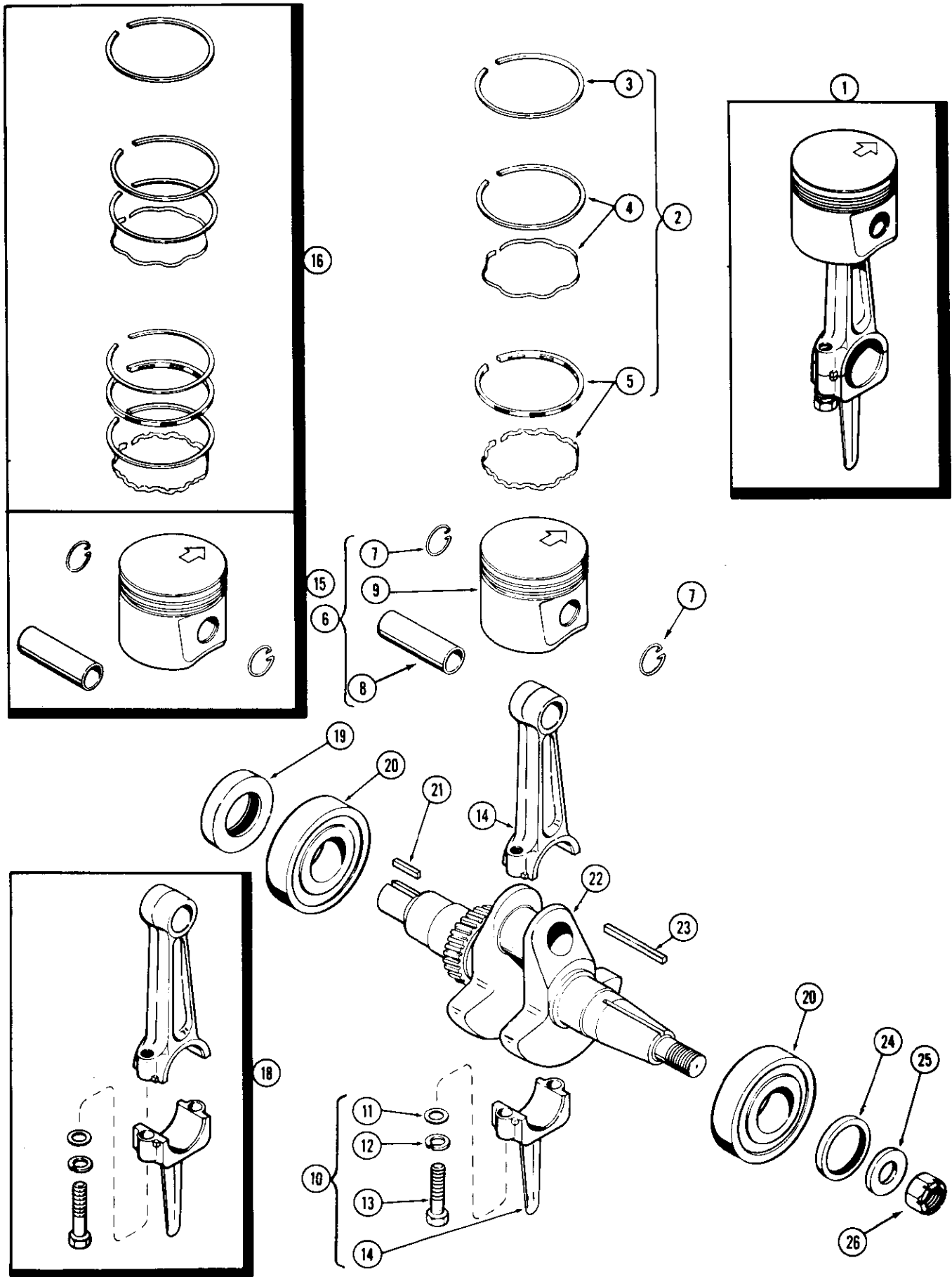


224 AND 444 CRANKCASE BREATHER

REF.	PART NO.	DESCRIPTION	REQ'D
1	129- 409	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

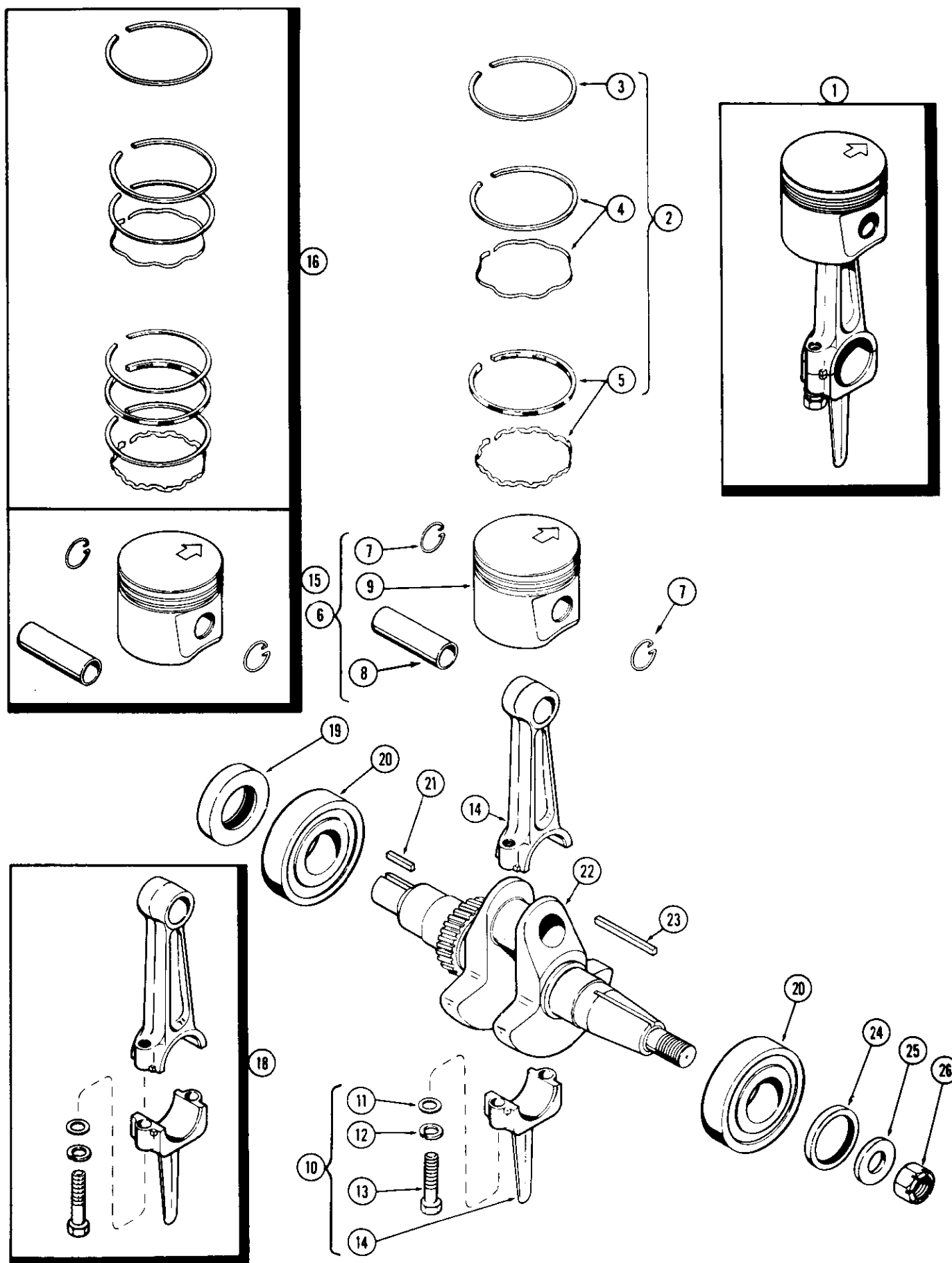
224 AND 444 CAMSHAFT AND VALVES

14	KO 237672	VALVE - exhaust.	1
15	KO 235582	VALVE - intake	1
16	KO 230170	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	C 24884	KIT - valve retainer (includes both halves)	2
22	KOD 235327	LIFTER ASSEMBLY	2
23	NSS	SCREW - tappet adjusting	1
24	NSS	LIFTER - valve	1
25	C 24885	CAMSHAFT ASSEMBLY	1
26	V 34346	SPRING - actuating	1
27	KO 275066	SPACER - camshaft, .005"	UAR
27	KO 275067	SPACER - camshaft, .010"	UAR
28	KO 235053	PIN - camshaft.	1



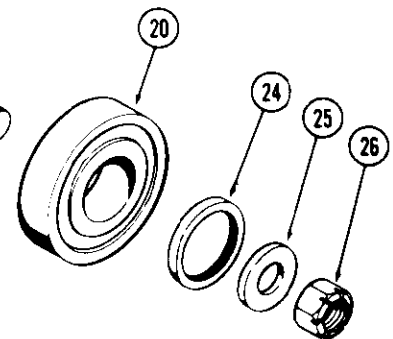
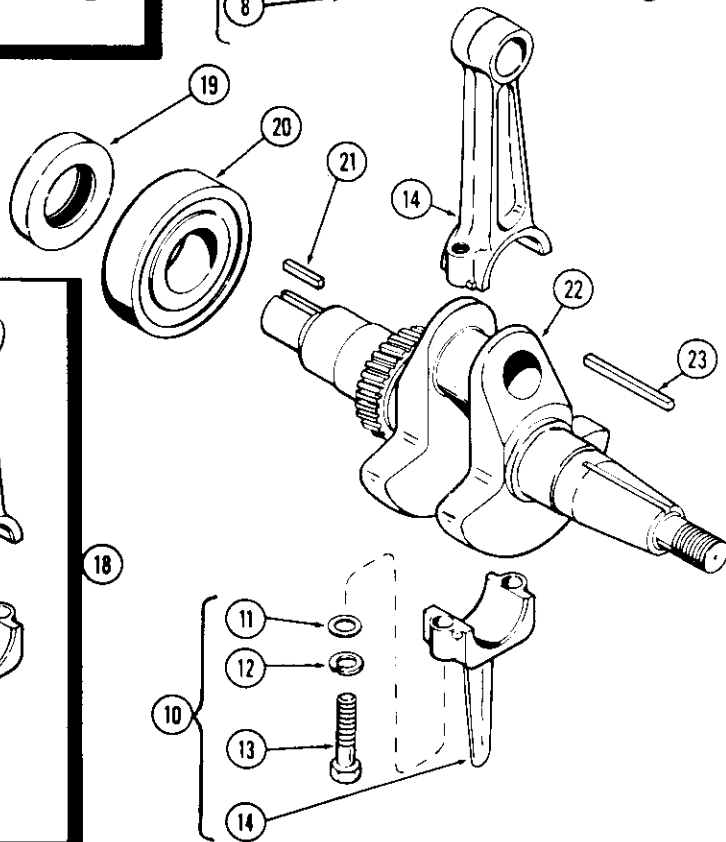
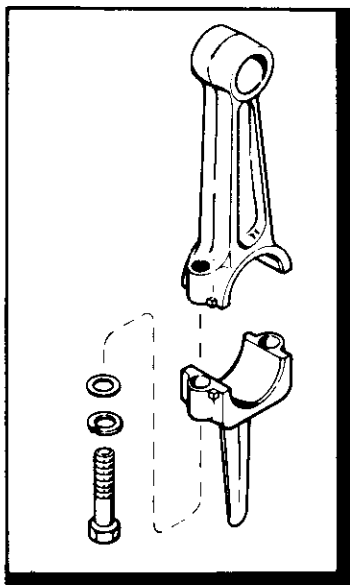
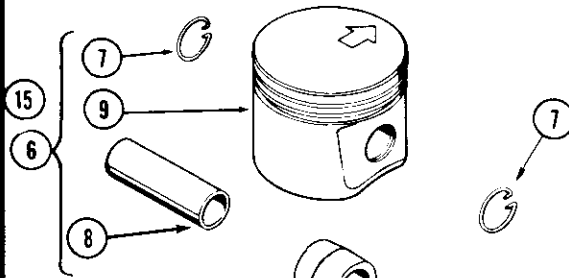
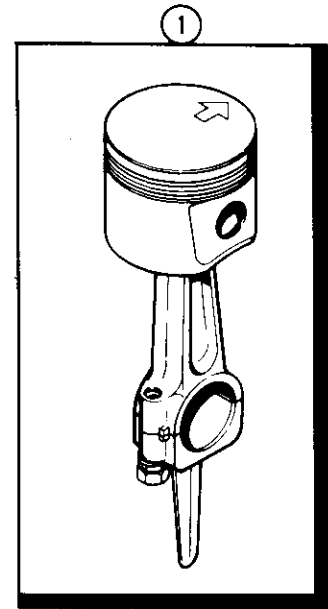
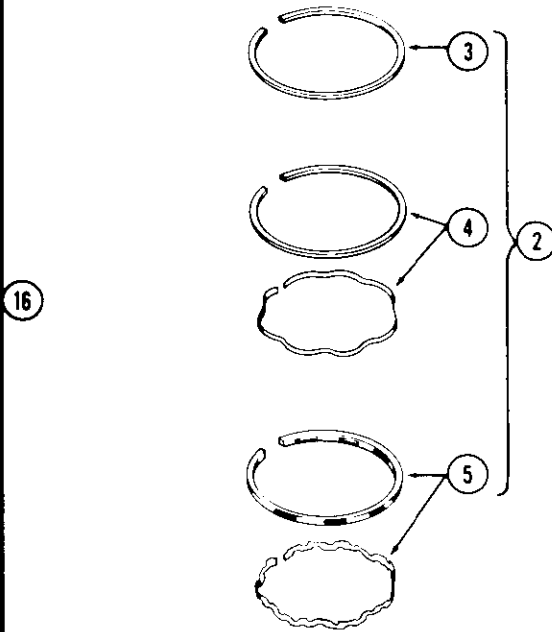
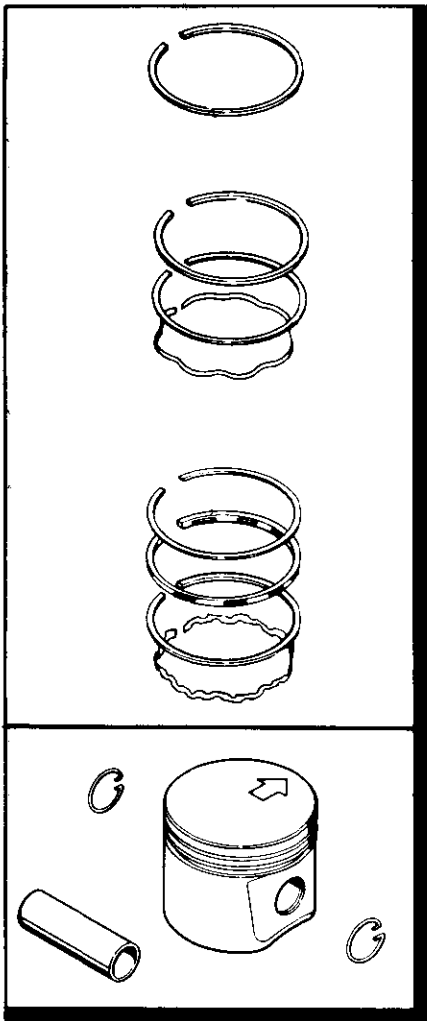
220 CRANKSHAFT, PISTON — CONNECTING ROD

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	KOA 235611	PISTON ASSEMBLY (For oversize, see item 15)	1
7	KO 235004	RETAINER - piston pin	2
8	NSS	PIN - piston.	1
9	NSS	PISTON	1
10	KOA 235139	CONNECTING ROD ASSEMBLY (For undersize, see item 18)	1
11	KO 235003	WASHER - special	2
12	92- 6	LOCKWASHER.	2
13	C 22698	SCREW - cap connecting rod	2
14	NSS	ROD - connecting.	1
15	KOA 235569	PISTON ASSEMBLY - .010" oversize	1
15	KOA 235571	PISTON ASSEMBLY - .020" oversize	1
15	KOA 235616	PISTON ASSEMBLY - .030" oversize	1
15	KOA 235567	PISTON ASSEMBLY - .003" oversize (order KO235287 std. ring set)	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
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	KOB 236364	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	195- 541	WASHER - 5/8".	1
26	131- 301	NUT - special Marsden 5/8" NF.	1



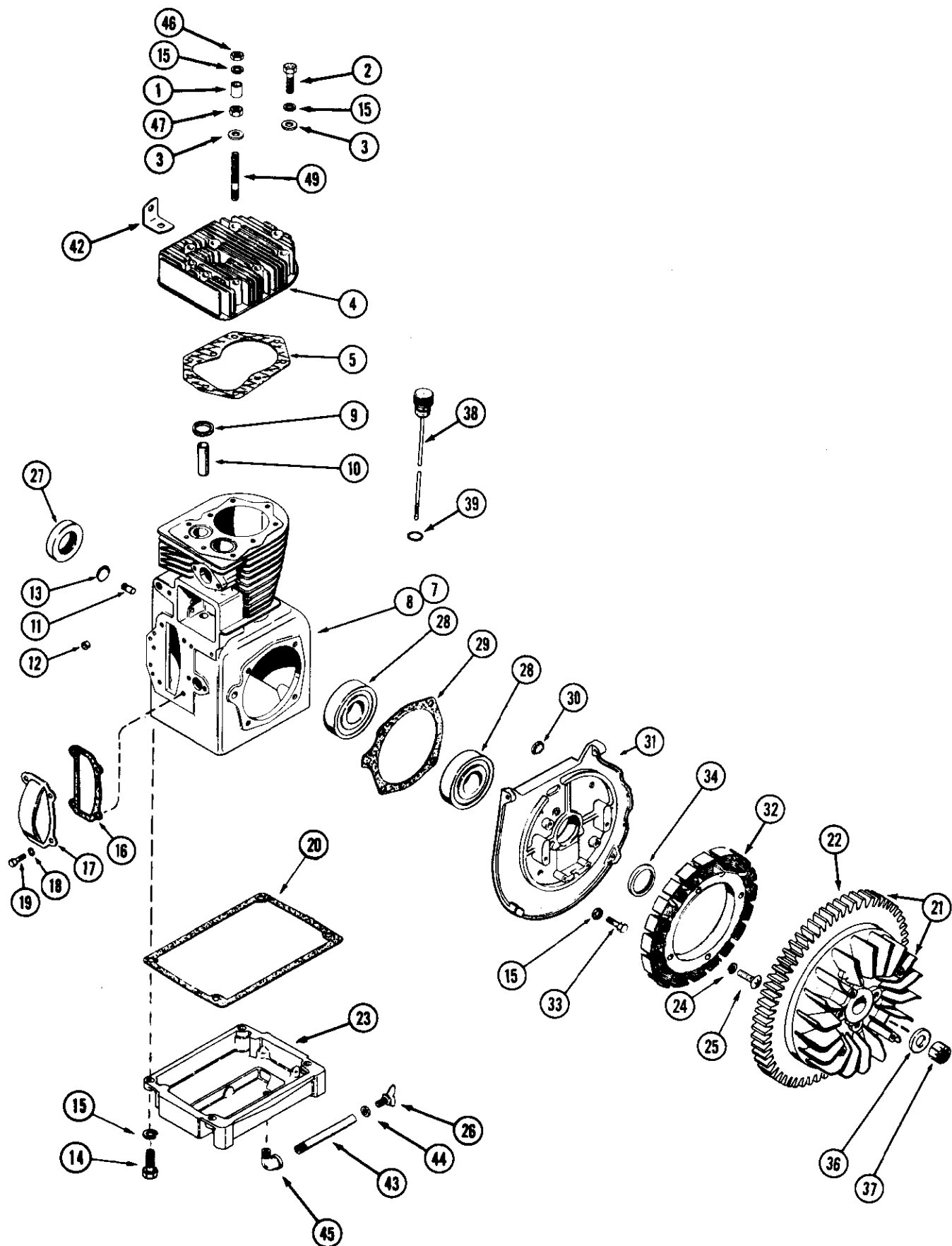
222 CRANKSHAFT, PISTON – CONNECTING ROD

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	KOA 235827	PISTON ASSEMBLY (For oversize, see item 15)	1
7	KO 235811	RETAINER - piston pin	2
8	NSS	PIN - piston	1
9	NSS	PISTON	1
10	KOA 237344	CONNECTING ROD ASSEMBLY (For undersize, see item 18).	1
11	KO 235003	WASHER - special	2
12	92- 6	LOCKWASHER	2
13	C 22698	SCREW - cap, connecting rod	2
14	NSS	ROD - connecting.	1
15	KOA 235865	PISTON ASSEMBLY - .010" oversize.	1
15	KOA 235866	PISTON ASSEMBLY - .020" oversize.	1
15	KOA 235867	PISTON ASSEMBLY - .030" oversize.	1
15	KOA 235864	PISTON ASSEMBLY - .003" oversize (order KO235889 std. ring set)	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
18	C 23135	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	KOB 235949	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	195- 541	WASHER - 5/8".	1
26	131- 301	NUT - special Marsden 5/8" NF	1



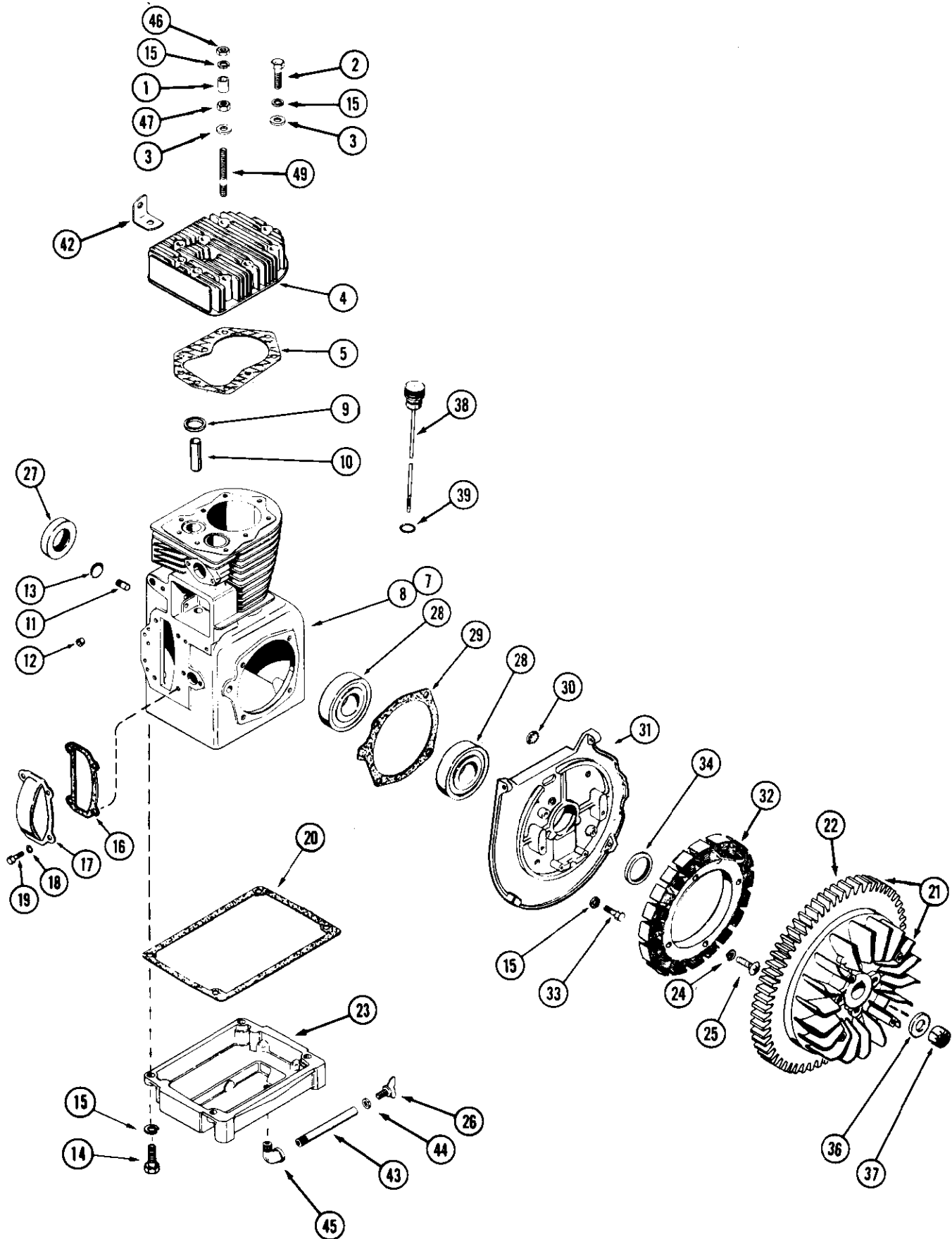
224 AND 444 CRANKSHAFT, PISTON – CONNECTING ROD

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	KOA 237401	PISTON ASSEMBLY (For oversize, see item 15)	1
7	KO 235811	RETAINER - piston pin	2
8	NSS	PIN - piston	1
9	NSS	PISTON	1
10	KOA 237344	CONNECTING ROD ASSEMBLY (For undersize, see item 18)	1
11	KO 235003	WASHER - special	2
12	92- 6	LOCKWASHER - 3/8"	2
13	C 22698	SCREW - cap, connecting rod	2
14	NSS	ROD - connecting	1
15	KOA 237403	PISTON ASSEMBLY - .010" oversize	1
15	KOA 237404	PISTON ASSEMBLY - .020" oversize	1
15	KOA 237405	PISTON ASSEMBLY - .030" oversize	1
15	KOA 237402	PISTON ASSEMBLY - .003" oversize (order KO236763 std. ring set)	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
18	C 23135	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	KOB 237034	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	195- 541	WASHER - 5/8"	1
26	131- 301	NUT - special Marsden 5/8" NF	1



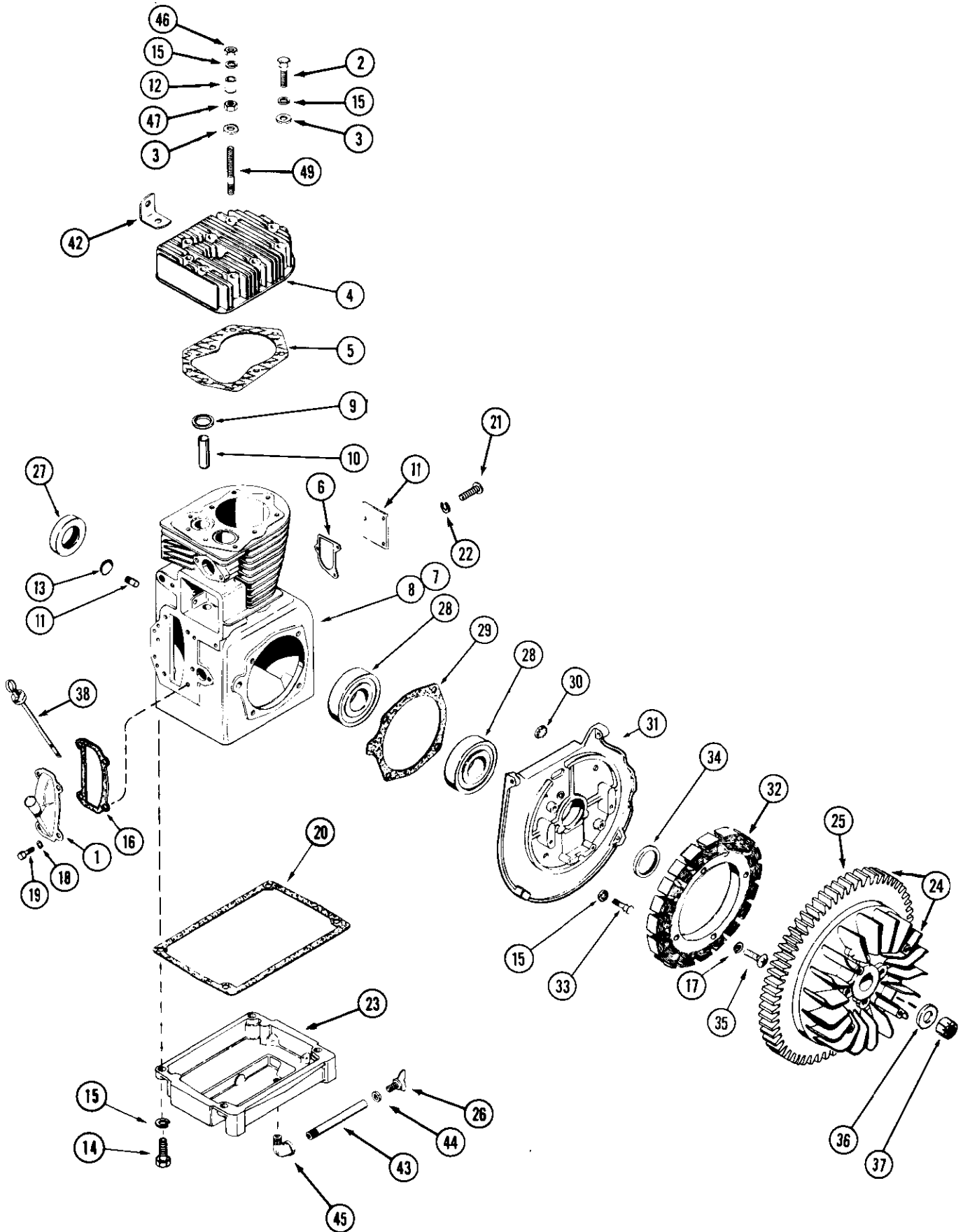
220 ENGINE BLOCK AND ATTACHING PARTS

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 21814	SPACER - cylinder head	6
2	KO 270158	BOLT - cylinder head	2
3	KO 270889	WASHER - cylinder head	9
4	KO 236675	HEAD - cylinder	1
5	KO 237658	GASKET - head	1
7	C 24139	BLOCK ASSEMBLY - cylinder, short (Includes crankshaft, piston assembly, ring set, crankshaft seals, rod assembly, camshaft assembly, valves, bearings, plate and plate gasket, governor gear assembly and cross shaft) (also includes gaskets)	1
8	C 24138	BLOCK ASSEMBLY - cylinder, mini (Includes camshaft assembly, piston assembly, ring set, (1) mainbearing, valves, rod assembly, governor gear assembly and cross shaft (also includes gaskets)	1
9	KO 230170	INSERT - exhaust valve	1
10	KO 235007-S	GUIDE - valve	2
11	KO 235125-S	SHAFT - stub, governor	1
12	V 34418	BEARING - needle, governor shaft	1
13	41- 18	PLUG - expansion	1
14	113- 209	BOLT - 3/8" x 1-1/2" NC hex plated	4
15	92- 6	LOCKWASHER - 3/8" plated	17
16	KO 235025	GASKET - camshaft cover	1
17	KO 235026	COVER - camshaft gear	1
18	92- 4	LOCKWASHER - 1/4" plated	4
19	13- 48	BOLT - 1/4" x 1/2" NC plated	4
20	KO 235353	GASKET - oil pan	1
21	C 24883	FLYWHEEL ASSEMBLY	1
22	KO 236285	RING GEAR	1
23	C 22699	BASE - oil pan	1
24	193- 99	LOCKWASHER - internal tooth	4
25	182- 541	SCREW - stator	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 - bearing plate	1
29	KO 235070	GASKET - shim, .010	UAR
30	205- 27	PLUG - button, timing hole	1
31	C 24290	PLATE - bearing	1
32	C 24882	STATOR - 15 amp.	1
	C 24888	CONNECTOR - stator	1
33	113- 207	BOLT - 3/8" x 1" NC plated	4
34	C 18097	OIL SEAL - crankshaft front	1
36	195- 541	WASHER - special, plated	1
37	131- 301	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 18814	NIPPLE - oil drain extension	1
44	C 14906	GASKET - plug, oil drain	1
45	221- 1412	ELBOW - street	1
46	129- 143	NUT - 3/8" NC hex. jam	6
47	129- 103	NUT - 3/8" NC hex	6
49	KO 237277	STUD - cylinder head	7



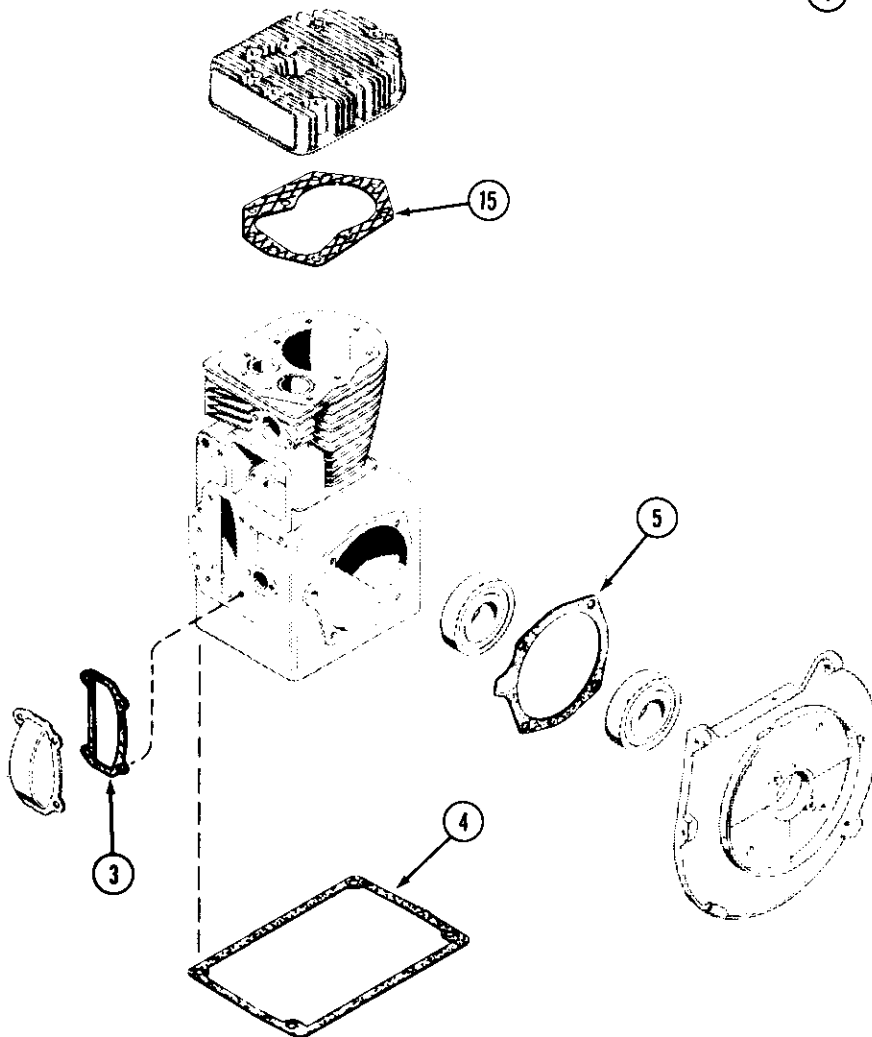
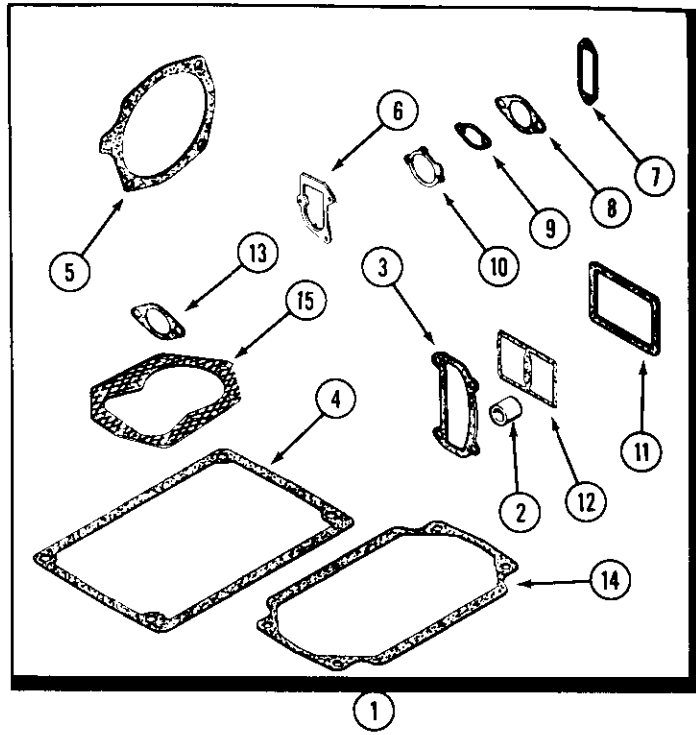
222 ENGINE BLOCK AND ATTACHING PARTS

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 21814	SPACER - cylinder head	6
2	KO 270158	BOLT - cylinder head 3/8" x 1-1/2" NC hex.	2
3	KO 270889	WASHER - cylinder head	9
4	KO 237670	HEAD - cylinder	1
5	KO 237658	GASKET - head	1
7	C 24141	BLOCK ASSEMBLY - cylinder, short (Includes crankshaft, piston assembly, ring set, crankshaft seals, rod assembly, camshaft assembly, valves, bearings, plate and plate gasket, governor gear assembly and cross shaft) (also includes gasket set)	1
8	C 24140	BLOCK ASSEMBLY - cylinder mini (Includes camshaft assembly, piston assembly, ring set, valves, rod assembly, governor gear assembly and cross shaft and rear crankshaft seal) (also includes gasket set)	1
9	KO 230170	INSERT - exhaust valve.	1
10	KO 235007-S	GUIDE - valve	2
11	KO 235125-S	SHAFT - stub, governor	1
12	V 34418	BEARING - needle, governor shaft	1
13	41- 18	PLUG - expansion.	1
14	113- 209	BOLT - 3/8" x 1-1/2" NC hex plated	4
15	92- 6	LOCKWASHER - 3/8" plated	17
16	KO 235025	GASKET - camshaft cover	1
17	KO 235026	COVER - camshaft gear.	1
18	92- 4	LOCKWASHER - 1/4" plated	4
19	13- 48	BOLT - 1/4" x 1/2" NC plated	4
20	KO 235353	GASKET - oil pan.	1
21	C 24883	FLYWHEEL ASSEMBLY.	1
22	KO 236285	RING GEAR	1
23	C 22699	BASE - oil pan.	1
24	193- 99	LOCKWASHER - internal tooth.	4
25	182- 541	SCREW - stator.	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 - bearing plate	6
29	KO 235070	GASKET - shim, .020"	UAR
30	205- 27	PLUG - button, timing hole	1
31	C 24290	PLATE - bearing	1
32	C 24882	STATOR	1
	C 24888	CONNECTOR - stator	1
33	113- 107	BOLT - 3/8" x 1" NC plated	4
34	C 18097	OIL SEAL - crankshaft front	1
36	195- 541	WASHER - special, plated	1
37	131- 301	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 18814	NIPPLE - oil drain extension.	1
44	C 14906	GASKET - plug, oil drain.	1
45	221- 1412	ELBOW - street	1
46	129- 143	NUT - 3/8" NC hex, jam	6
47	129- 103	NUT - 3/8" NC hex	6
49	KO 237277	STUD - cylinder head	7



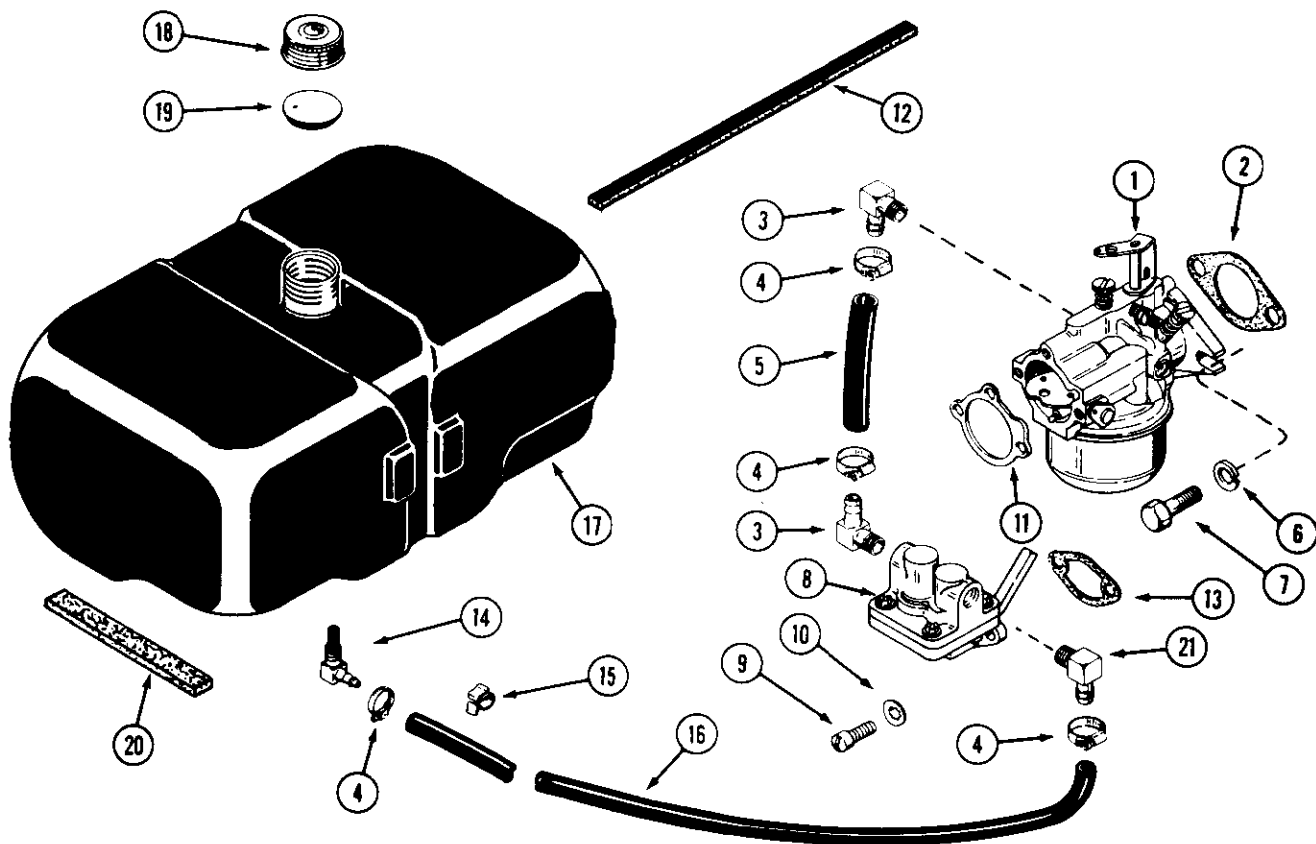
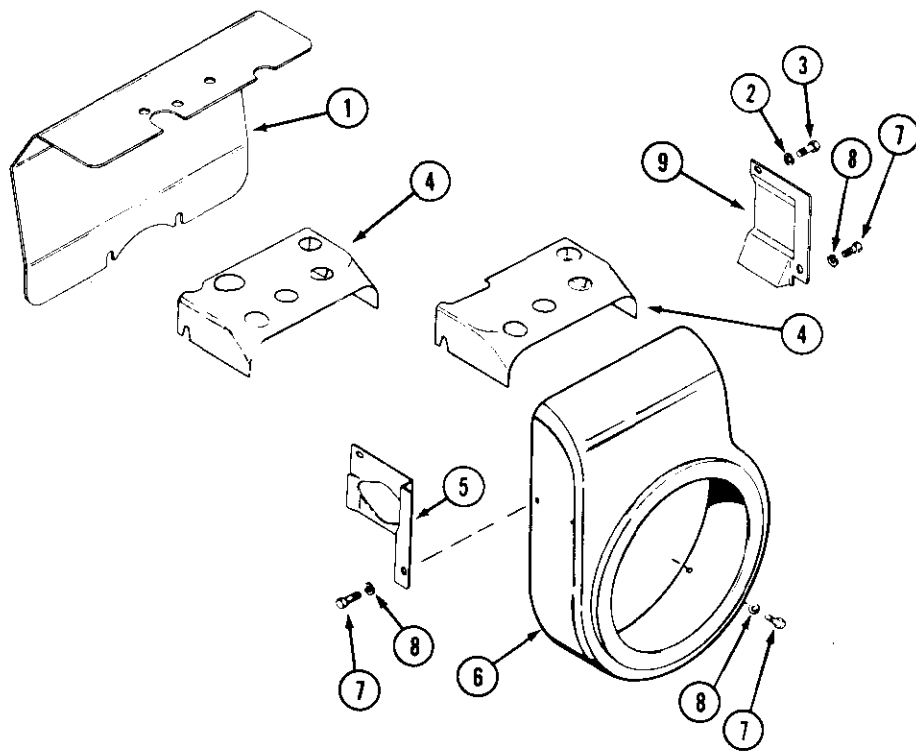
224 AND 444 ENGINE BLOCK AND ATTACHING PARTS

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 24490	FILLER TUBE	1
2	KO 270158	BOLT - cylinder head special 3/8" x 1-1/2" NC hex	2
3	KO 270889	WASHER - cylinder head bolt	9
4	KO 237670	HEAD - cylinder	1
5	KO 237658	GASKET - head	1
6	KO 237064	GASKET - filler tube.	1
7	C 24143	BLOCK ASSEMBLY - cylinder, short (Includes crankshaft and seals, ring set, piston assembly, rod assembly, camshaft assembly, valves, bearing, plate and plate gasket, governor gear assembly and cross shaft) (also includes gasket set)	1
8	C 24142	BLOCK ASSEMBLY - cylinder, mini (Includes camshaft assembly, piston assembly, ring set, valves, rod assembly, rear crankshaft seal, governor gear assembly and cross shaft) (also includes gasket set)	1
9	KO 230170	INSERT - exhaust valve	1
10	KO 235007-S	GUIDE - valve	2
11	C 24495	COVER	1
12	C 21814	SPACER - cylinder head	1
13	41- 18	PLUG - expansion	1
14	113- 209	BOLT - 3/8" x 1-1/2" NC hex plated	4
15	92- 6	LOCKWASHER - 3/8" plated	4
16	KO 235025	GASKET - camshaft cover, oil fill tube	1
17	193- 99	LOCKWASHER	4
18	92- 4	LOCKWASHER - 1/4" plated	4
19	13- 48	BOLT - 1/4" x 1/2" NC plated	4
20	KO 235353	GASKET - oil pan	1
21	173- 96	SCREW - #10 x 7/16" round head machine	3
22	193- 26	LOCKWASHER - #10 internal tooth	7
23	C 22699	BASE - oil pan	1
24	C 24883	FLYWHEEL ASSEMBLY	1
25	KO 236285	RING GEAR	1
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 - bearing plate	1
29	KO 235070	GASKET - shim, .010"	UAR
30	205- 27	PLUG - button, timing hole	1
31	C 24290	PLATE - bearing	1
32	V 34427	STATOR	1
33	113- 207	BOLT - 3/8" x 1" NC plated	4
34	C 18097	OIL SEAL - crankshaft front	1
35	182- 541	SCREW - stator	4
36	195- 541	WASHER - special, plated 21/32" ID x 1-3/8" OD x 1/4"	1
37	131- 301	NUT - special Marsden 5/8"	1
38	C 24491	DIPSTICK ASSEMBLY	1
42	KO 235748	STRAP - lifting	1
43	C 18814	NIPPLE - oil drain extension	1
44	C 14906	GASKET - plug, oil drain	1
45	221- 1412	ELBOW - street	1
46	129- 143	NUT - 3/8" NC hex, jam	6
47	129- 103	NUT - 3/8" NC hex	6
49	KO 237277	STUD - cylinder head	7



ENGINE GASKET AND SEAL KIT

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 23858	KIT - engine gasket (10 thru 14 hp engines)	1
2	KO 231032	SEAL - breather (14 hp engine)	1
3	KO 235025	GASKET - camshaft cover	1
4	KO 235353	GASKET - oil pan	1
5	KO 235757	GASKET - bearing plate	6
5	KO 235070	GASKET - shim (.010")	UAR
6	KO 237064	GASKET - oil fill tube (used on 14 hp)	1
7	KO 220174	GASKET - breaker cover	1
8	C 23860	GASKET - carburetor flange	1
9	C 24887	GASKET - fuel pump flange	1
10	KO 275341	GASKET - carburetor air horn	1
11	KO 235048	GASKET - breather plate	1
12	KO 275144	GASKET - valve cover	1
13	C 10372	GASKET - exhaust	1
14	KO 235057	GASKET - pan (not used)	1
15	KO 237658	GASKET - cylinder head	1

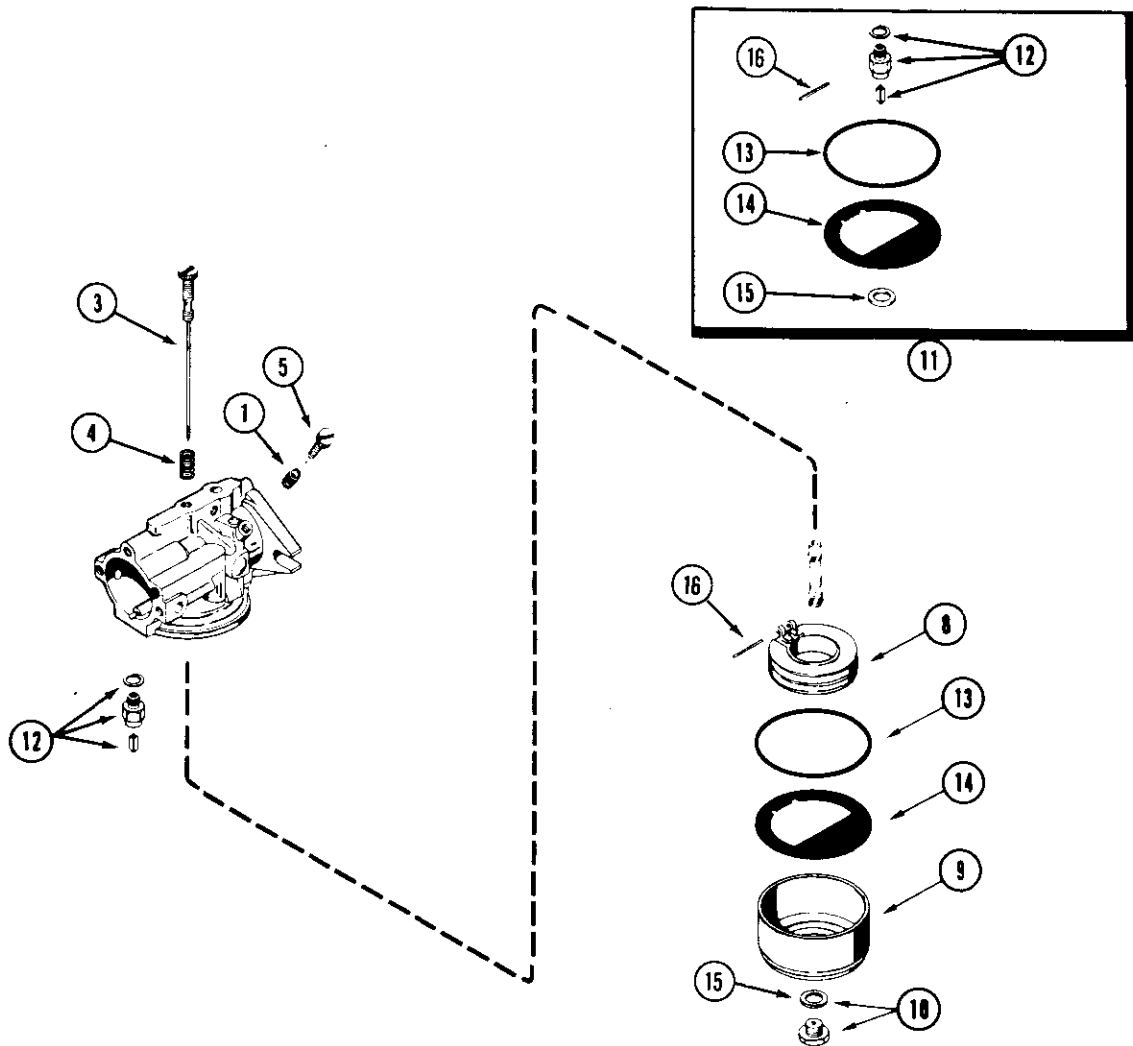


BAFFLES AND SHROUDS

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 22684	DEFLECTOR - engine air	1
2	92- 4	LOCKWASHER - 1/4" zinc plated	2
3	13- 48	BOLT - 1/4" x 1/2" NC hex, zinc plated	2
4	KO 237520	BAFFLE - cylinder head (10 hp engine)	1
4	KO 237677	BAFFLE - cylinder head (12 - 14 hp engine)	1
5	KO 235652	BAFFLE - carburetor side air	1
6	C 24879	HOUSING - blower	1
7	13- 410	BOLT - 1/4" x 3/4" NC hex, zinc plated	4
8	92- 4	LOCKWASHER - 1/4" zinc plated	4
9	KO 236676	BAFFLE - cylinder	1

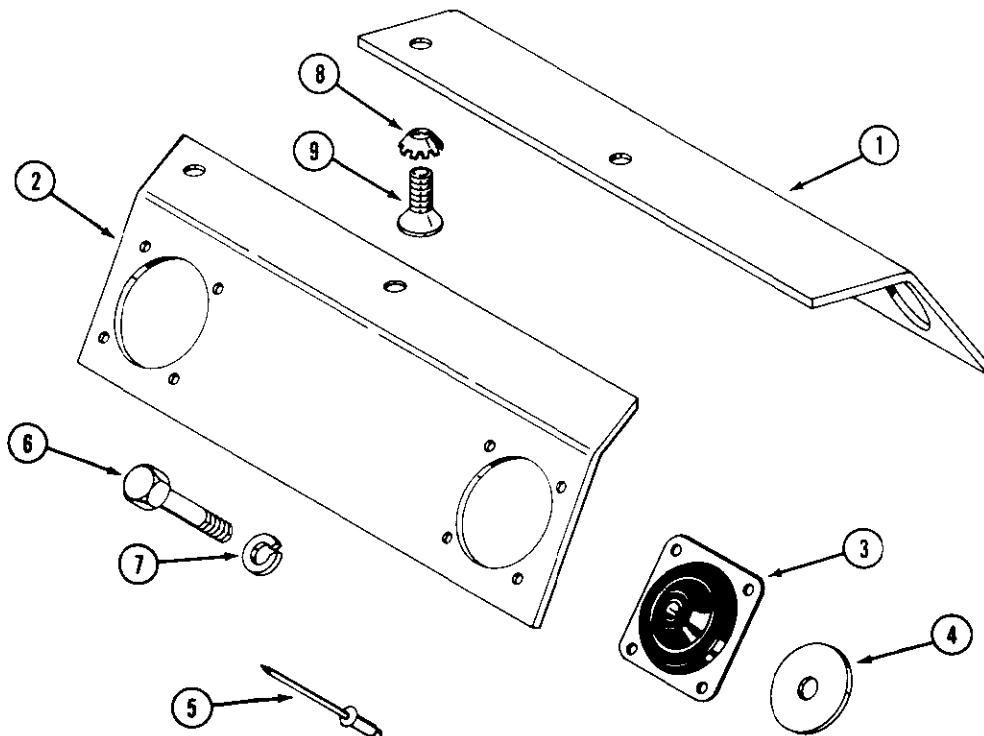
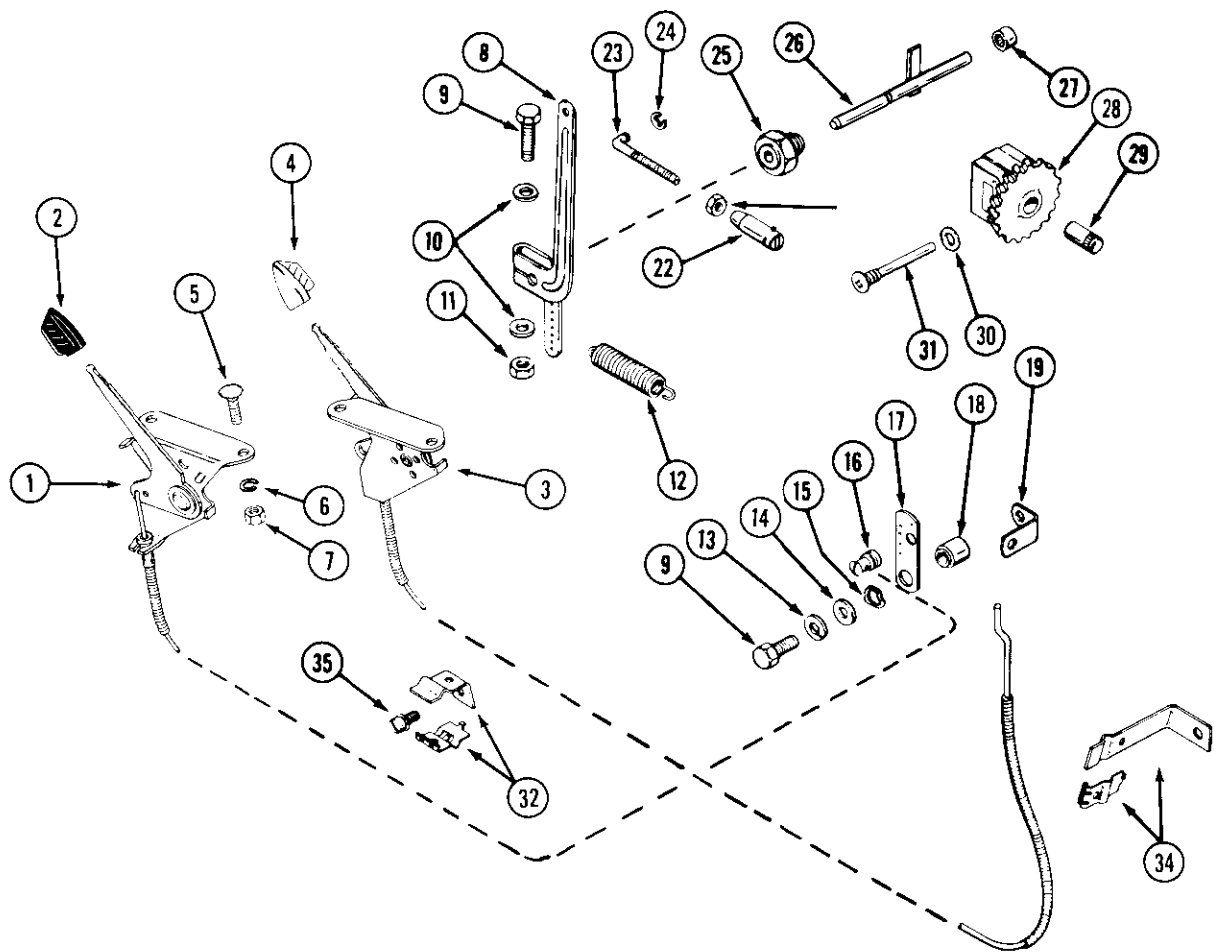
FUEL SYSTEM

1	C 24408	CARBURETOR ASSEMBLY - 444 & 224 (Repairs page 27)	1
1	C 23049	CARBURETOR ASSEMBLY - 220 & 222 (Repairs page 27)	1
2	C 23860	GASKET - carburetor flange	1
3	C 10678	ELBOW - fuel pump and carburetor	2
4	214- 103	CLAMP - hose 1/2"	4
5	V 34404	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	C 24851	PUMP - fuel, all models (includes gasket & washers)	1
9	71- 412	SCREW - 1/4" x 3/4" NC fillister head	2
10	193- 28	LOCKWASHER - 1/4"	2
11	KO 275341	GASKET - air horn	1
12	C 23527	LINER - fuel tank	1
13	C 24887	GASKET - fuel pump mounting, all models	1
14	C 10657	ELBOW ASSEMBLY - fuel tank	1
15	A 62079	CLIP - fuel line	2
16	C 21984	HOSE - fuel line 38-1/2" (220, 222, 224) (444 before S/N 9766840)	1
16	C 25479	HOSE - fuel line 40-1/2" (444 - S/N 9766840 and after)	1
17	C 23815	TANK - fuel	1
18	C 11529	CAP - fuel tank (Includes insert)	1
19	C 11545	INSERT - fuel cap	1
20	C 14690	CUSHION - fuel tank	2
21	217- 292	ELBOW - hose 90°	1



CARBURETOR

REF.	PART NO.	DESCRIPTION	REQ'D
	C 23049	CARBURETOR ASSEMBLY - 220, 222	1
	C 24408	CARBURETOR ASSEMBLY - 224 & 444	1
1	KO 200380	SPRING - tension, idle adjust	1
3	A 72077	NEEDLE - main fuel adjust, 220, 222	1
3	C 24652	NEEDLE - main fuel adjust, 224 & 444	1
4	KO 200383	SPRING - main fuel adjust	1
5	A 72099	NEEDLE - idle adjust (220, 222)	1
5	KO 275231	NEEDLE - idle adjust (224 & 444)	1
8	A 72078	FLOAT - carburetor	1
9	KO 235448	BOWL - carburetor	1
10	KO 235447	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
16	F 19892	PIN - float	1

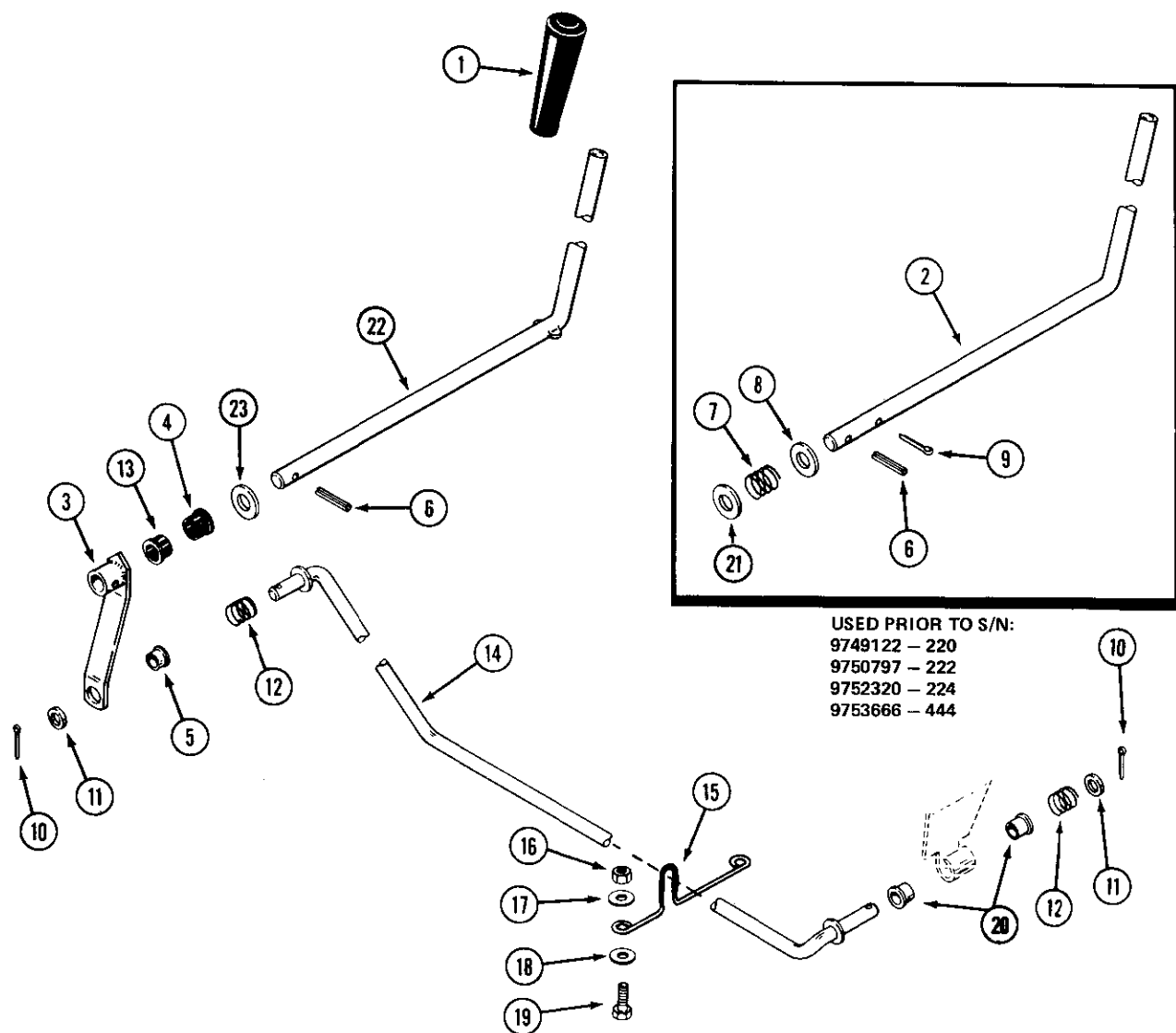


CHOKE, THROTTLE AND GOVERNOR

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 16449	CONTROL - throttle	1
2	C 12224	HANDLE - throttle control, black	1
3	C 18312	CONTROL - choke	1
4	C 14506	HANDLE - choke control, white	1
5	111- 3	BOLT - 10-24 x 5/8" round head, square neck	2
6	192- 18	LOCKWASHER - #10 Std. plated	2
7	129- 17	NUT - #10-24 plated	2
8	KOA 237653	LEVER - governor	1
9	113- 17	BOLT - 1/4" x 1-1/4" NC hex	2
10	195- 518	WASHER - 1/4" plated	2
11	129- 409	NUT - 1/4" hex	1
12	KO 235496	SPRING - governor	1
13	92- 4	LOCKWASHER - 1/4" plated	1
14	C 18098	WASHER - thrust	1
15	KO 275690	WASHER - wavy	1
16	HO 43034	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	1
22	C 25020	JOINT - ball	1
23	KO 235277	ROD - throttle	1
24	49485	RING - retaining, throttle rod	1
25	KO 235476	BUSHING - governor cross shaft	1
26	C 23126	SHAFT - governor cross	1
27	V 34418	BEARING - needle, governor shaft	1
28	V 34419	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	KOA 237559	BRACKET - throttle cable	1
34	KOA 236919	BRACKET - choke cable	1
35	V 34421	SCREW - #10 x 3/8" NC fillister head	1

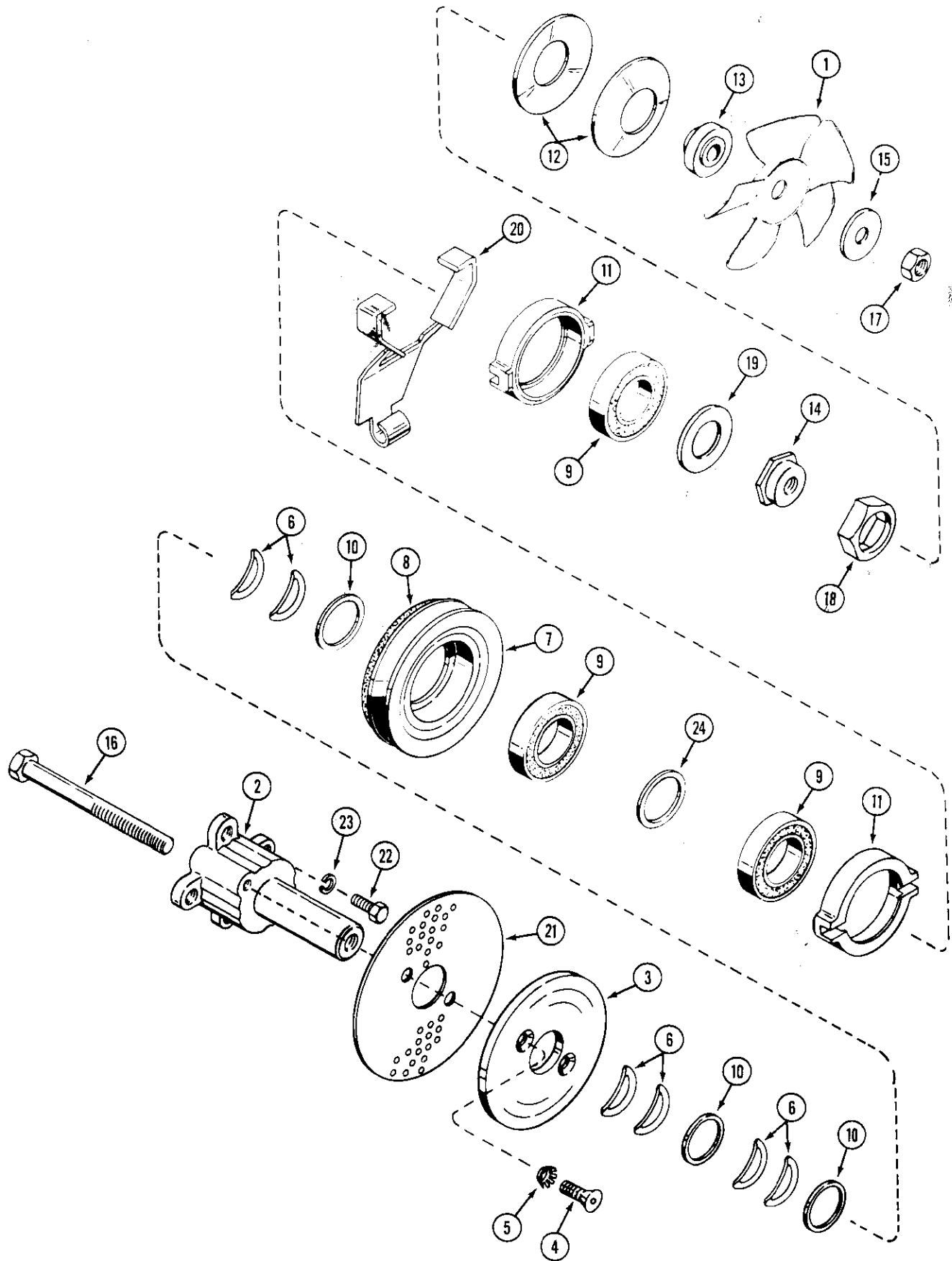
ENGINE MOUNT PLATES

1	C 17717	PLATE - engine mount L.H.	1
2	C 22904	PLATE - engine mount R.H.	1
3	C 18793	MOUNT - engine	4
4	D 22988	WASHER - snubbing	4
5	151- 210	RIVET - semi tubular 3/16"	16
6	113- 219	BOLT - 3/8" x 2" NC hex	4
7	192- 21	LOCKWASHER - 3/8"	4
8	193- 56	LOCKWASHER - 3/8" countersunk external tooth	4
9	164- 50	BOLT - flat head hex socket	4



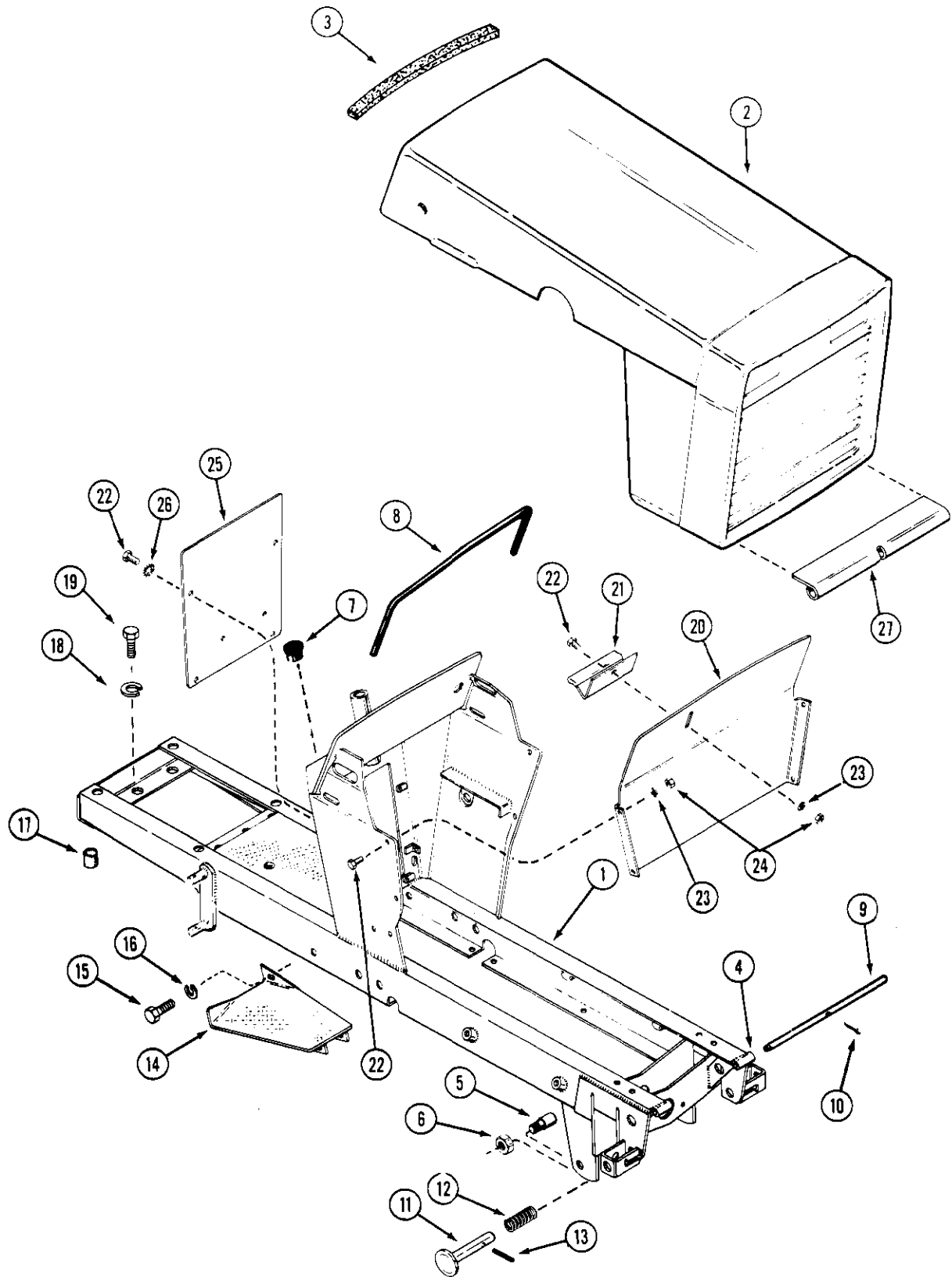
PTO CLUTCH LINKAGE

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 37247	KNOB - lever, PTO	1
2	NSS	LEVER - PTO engaging (order item 22 and 23)	1
3	C 24872	ARM ASSEMBLY - PTO (used 220 - S/N 9734921, 222 - S/N 9737066, 224 - S/N 9738351, 444 - S/N 9739749 and after)	1
3	C 24792	ARM ASSEMBLY - PTO (used prior to 220 - S/N 9734921, 222 - S/N 9737066, 224 - S/N 9738351 and 444 - S/N 9739749).	1
4	353- 462	BUSHING - lever, dash tower	1
5	C 20093	BUSHING - fliplock	1
6	138- 96	PIN - roll - 3/16" x 1"	1
7	C 20036	SPRING - lever, PTO.	1
8	A 39519	WASHER - nylon	1
9	132- 91	PIN - cotter 3/16 x 1"	1
10	132- 310	PIN - cotter 1/8 x 1"	2
11	C 14906	WASHER - nylon 3/8"	2
12	C 19867	SPRING - clutch rod.	2
13	353- 442	BUSHING - heyco	1
14	C 20041	ROD - clutch	1
15	C 19767	GUIDE - clutch rod	1
16	131- 1181	NUT - lock 3/8" n.c. hex	2
17	195- 104	WASHER - 3/8"	2
18	195- 126	WASHER - spacer (used on models without hyd. lift)	2
19	113- 207	BOLT - 3/8 x 1" n.c. hex	2
20	C 20053	BUSHING - nylon	2
21	195- 2069	WASHER - 5/8"	1
22	C 25013	LEVER - PTO engaging	1
23	195- 533	WASHER - 1/2"	1



CLUTCH ASSEMBLY (PTO)

REF.	PART NO.	DESCRIPTION	REQ'D
	C 24774	CLUTCH AND FAN ASSEMBLY	1
1	C 16616	FAN - cooling	1
2	C 23677	HUB - clutch	1
3	C 15718	PLATE - clutch	1
4	164- 40	BOLT - 5/16" - 18 x 3/4"	2
5	193- 76	LOCKWASHER - 5/16" countersunk external tooth	2
6	C 15515	WASHER - spring	6
7	C 22671	PULLEY AND DISC ASSEMBLY	1
8	C 23740	KIT - friction disc	1
9	C 23245	BEARING - ball	3
10	C 15557	WASHER - spacer .050	3
11	C 23033	CAM - clutch	2
12	C 16786	SPRING - clutch load	2
13	C 23630	SPACER - hub	1
14	C 23625	NUT - adjust	1
15	O 2815N	WASHER - fan 17/32"	1
16	C 24743	BOLT - 1/2" - 20 x 5-1/2" NF	1
17	129- 125	NUT - 1/2" - 20 NF	1
18	C 23627	GUIDE - adjusting nut	1
19	C 23624	WASHER - spacer	1
20	C 23391	ARM - engaging	1
21	C 15746	SCREEN - grass	1
22	113- 207	BOLT - 3/8" - 16 x 1" NC	4
23	192- 21	LOCKWASHER - 3/8"	4
24	C 25608	SPACER - washer .200" (use to replace 3 - .050 spacers on early production)	1



HOOD, FRAME AND GRILLE

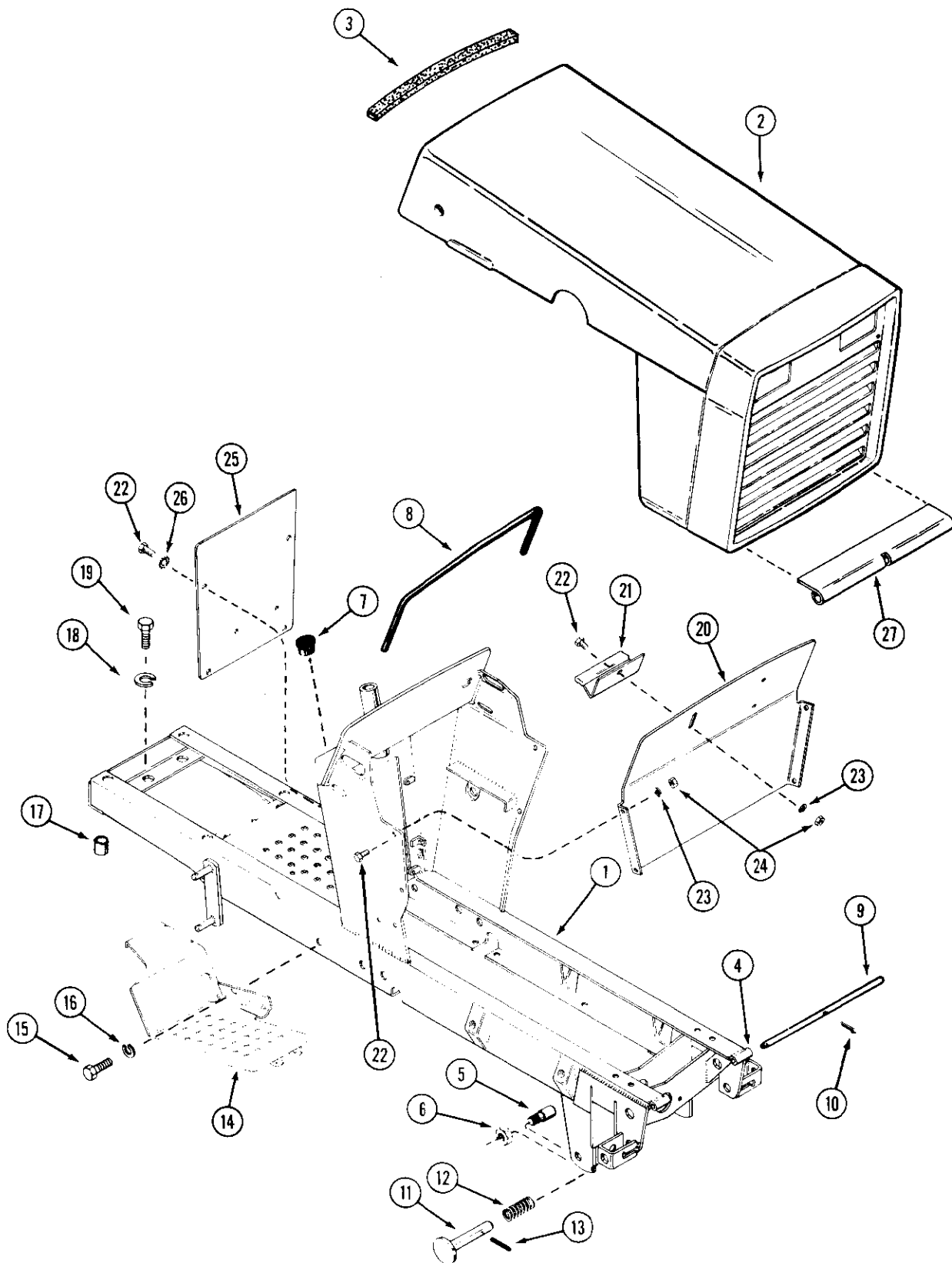
220 - USE BEFORE S/N 9762275

222 - USE BEFORE S/N 9763700

224 - USE BEFORE S/N 9765195

444 - USE BEFORE S/N 9766840

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 24769	FRAME - main (220, 222 and 224) (also order C24872 arm prior to 220 - S/N 9734921, 222 - S/N 9737066, 224 - S/N 9738351)(shown) . . .	1
1	C 24771	FRAME - main (444) (also order C24872 arm prior to S/N 9739749)	1
2	C 22775	HOOD AND GRILLE ASSEMBLY (includes item 27)	1
3	C 23527	LINER - hood	1
4	C 22023	HINGE - frame	2
5	C 18733	PIN - attachment	2
6	131- 1318	NUT - lock 1/2" NF jam	2
7	353- 406	PLUG - hole (models without hydraulic lift)	1
8	C 18153	CHANNEL - instrument panel	1
9	C 16362	ROD - hood hinge	1
10	132- 46	PIN - cotter 1/8" x 3/4"	1
11	C 16373	PIN - latch	2
12	C 24137	SPRING - latch	2
13	138- 319	PIN - roll 3/16" x 1-1/4"	2
14	C 18890	PAD - foot rest, L.H.	1
14	C 18150	PAD - foot rest, R.H.	1
15	13- 514	BOLT - 5/16" x 7/8" N.C. hex	2
16	192- 20	LOCKWASHER - 5/16"	2
17	C 14729	SPACER - frame, rear (444)	2
17	C 14730	SPACER - frame, rear (220, 222 and 224)	2
18	192- 23	LOCKWASHER - 1/2"	4
19	113- 424	BOLT - 1/2" x 1" N.C. hex	4
20	C 24821	SHIELD - heat	1
21	C 24820	CLIP - battery hold down	1
22	113- 1	BOLT - 1/4" - 20 x 1/2	9
23	192- 19	LOCKWASHER - 1/4"	5
24	129- 101	NUT - 1/4" - 20	5
25	C 24822	COVER - access	1
26	193- 57	LOCKWASHER	4
27	C 16361	HING - hood	1



HOOD, FRAME AND GRILLE

220 - USE S/N 9762275 AND AFTER

222 - USE S/N 9763700 AND AFTER

224 - USE S/N 9765195 AND AFTER

444 - USE S/N 9766840 AND AFTER

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 25307	FRAME - main (220, 222 and 224) (shown)	1
1	C 25282	FRAME - main (444)	1
2	C 22775	HOOD AND GRILLE ASSEMBLY (includes item 27)	1
3	C 23527	LINER - hood	1
4	C 22023	HINGE - frame	2
5	C 18733	PIN - attachment	2
6	131- 1318	NUT - lock 1/2" NF	2
7	353- 406	PLUG - hole (models without hydraulic lift)	1
8	C 18153	CHANNEL - instrument panel	1
9	C 16362	ROD - hood hinge	1
10	132- 46	PIN - cotter 1/8" x 3/4"	1
11	C 16373	PIN - latch	2
12	C 24137	SPRING - latch	2
13	138- 319	PIN - roll 3/16" x 1-1/4"	2
14	C 25317	PAD - foot rest, L.H.	1
14	C 25318	PAD - foot rest, R.H.	1
15	13- 514	BOLT - 5/16" x 7/8" N.C. hex	4
16	192- 20	LOCKWASHER - 5/16"	4
17	C 14729	SPACER - frame, rear (444).	2
17	C 14730	SPACER - frame, rear (220, 222 and 224).	2
18	192- 23	LOCKWASHER - 1/2"	4
19	113- 424	BOLT - 1/2" x 1" N.C. hex	4
20	C 24821	SHIELD - heat	1
21	C 24820	CLIP - battery hold down	1
22	113- 1	BOLT - 1/4" - 20 x 1/2	9
23	192- 19	LOCKWASHER - 1/4"	5
24	129- 101	NUT - 1/4" - 20	5
25*	C 24822	COVER - access	1
25**	C 25496	COVER - access	1
26	193- 57	LOCKWASHER	4
27	C 16361	HING - hood	1

*use 220 - before S/N 9779774

222 - before S/N 9781310

224 - before S/N 9782979

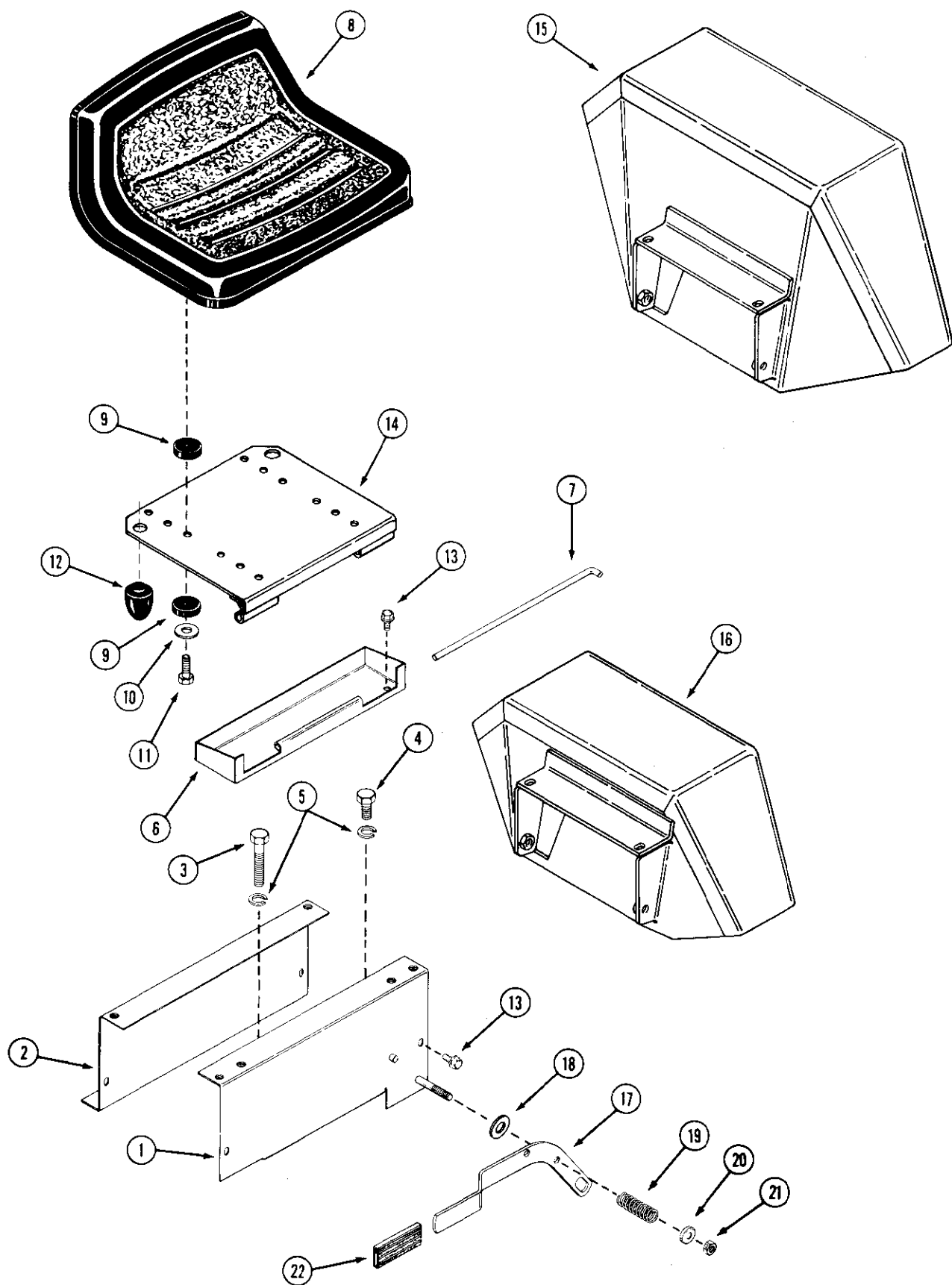
444 - before S/N 9784373

**use 220 - S/N 9779774 and after

222 - S/N 9781310 and after

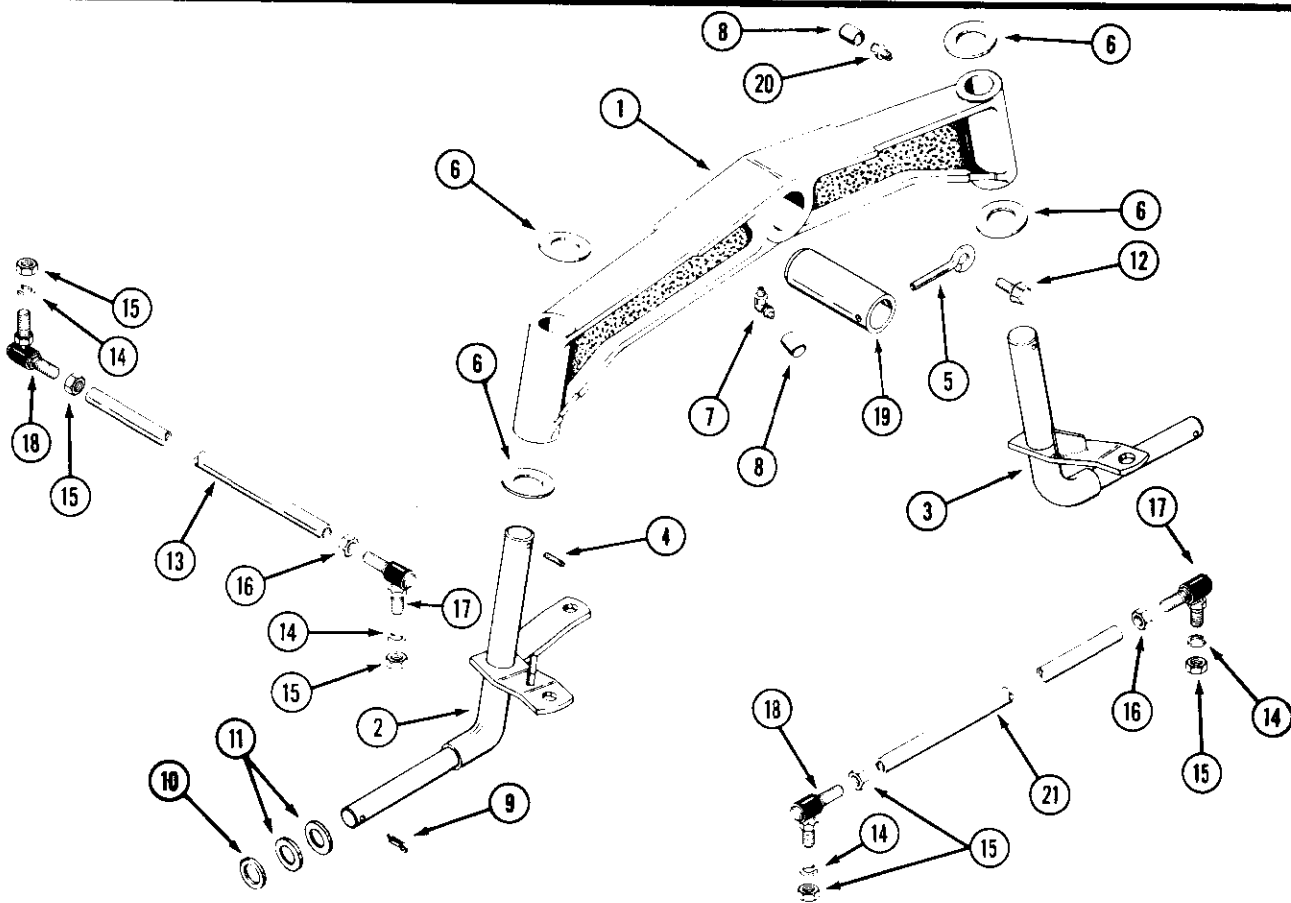
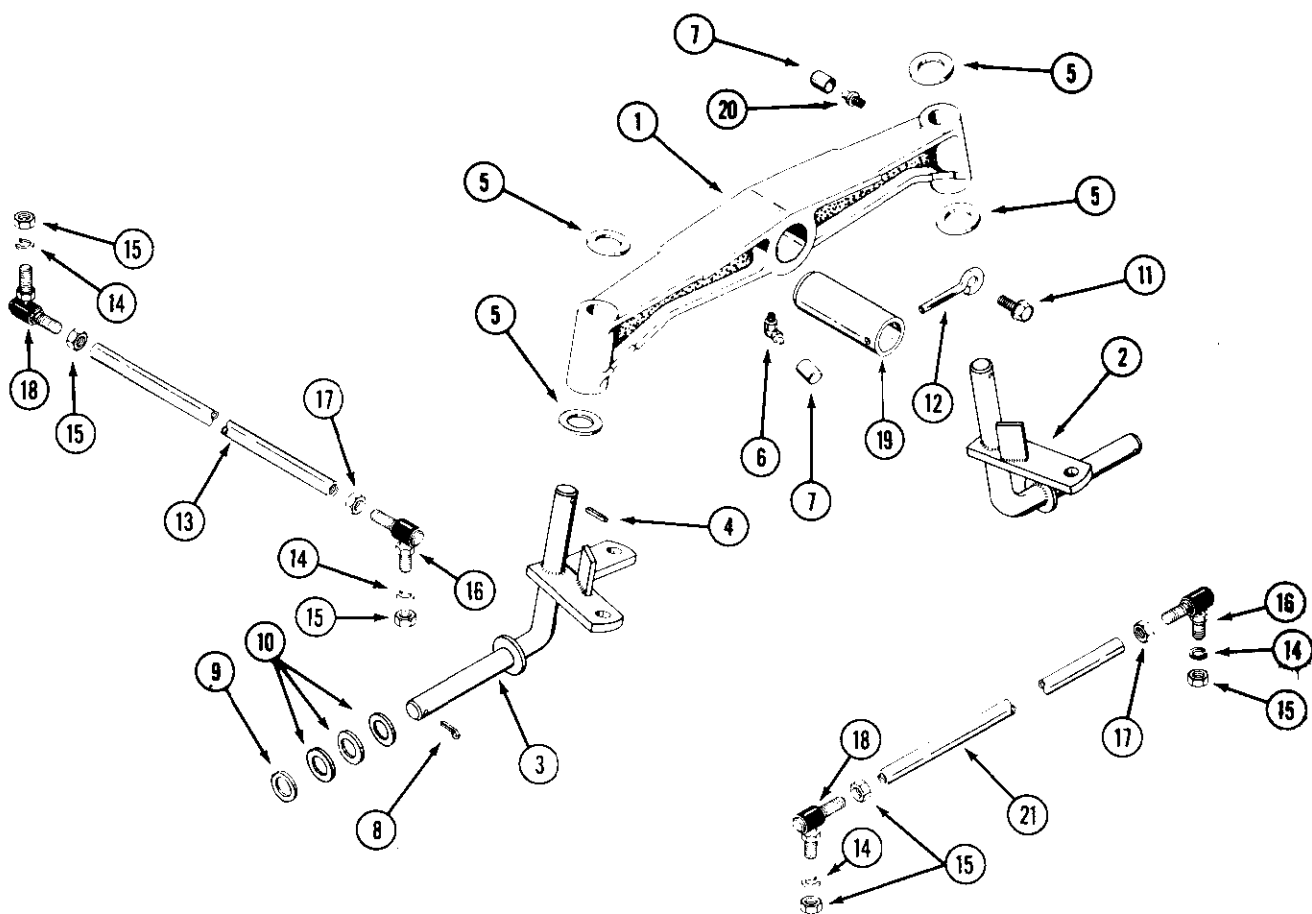
224 - S/N 9782979 and after

444 - S/N 9784373 and after



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 (444)	2
3	113- 427	BOLT - 1/2 x 3-1/4" NC hex (220, 222 and 224)	2
4	113- 424	BOLT - 1/2 x 1" NC hex	2
5	192- 23	LOCKWASHER - 1/2"	4
6	C 19417	TRAY - tool	1
7	C 16429	PIN - seat hinge	1
8	C 24319	SEAT - (220, 222 and 224)	1
8	C 24318	SEAT - (444)	1
9	C 15410	CUSHION - rubber	8
10	195- 2021	WASHER - 5/16 x 1-1/4" OD, zinc plated.	4
11	113- 122	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	10
14	C 17152	HINGE ASSEMBLY - seat	1
15	C 16444	FENDER - L.H. (444) use before S/N 9766840	1
15	C 16445	FENDER - R.H. (444) use before S/N 9766840	1
15	C 25303	FENDER - L.H. (444) use S/N 9766840 and after.	1
15	C 25304	FENDER - R.H. (444) use S/N 9766840 and after.	1
16	C 25297	FENDER - L.H. (use 220 - S/N 9762275, 222 - S/N 9763700, 224 - S/N 9765195 and after)	1
16	C 25298	FENDER - R.H. (use 220 - S/N 9762275, 222 - S/N 9763700, 224 - S/N 9765195 and after)	1
16	C 16446	FENDER - L.H. (use before 220 - S/N 9762275, 222 - S/N 9763700, 224 - S/N 9765195)	1
16	C 16447	FENDER - R.H. (use before 220 - S/N 9762275, 222 - S/N 9763700, 224 - S/N 9765195)	1
17	C 16393	LEVER - shift	1
18	195- 524	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

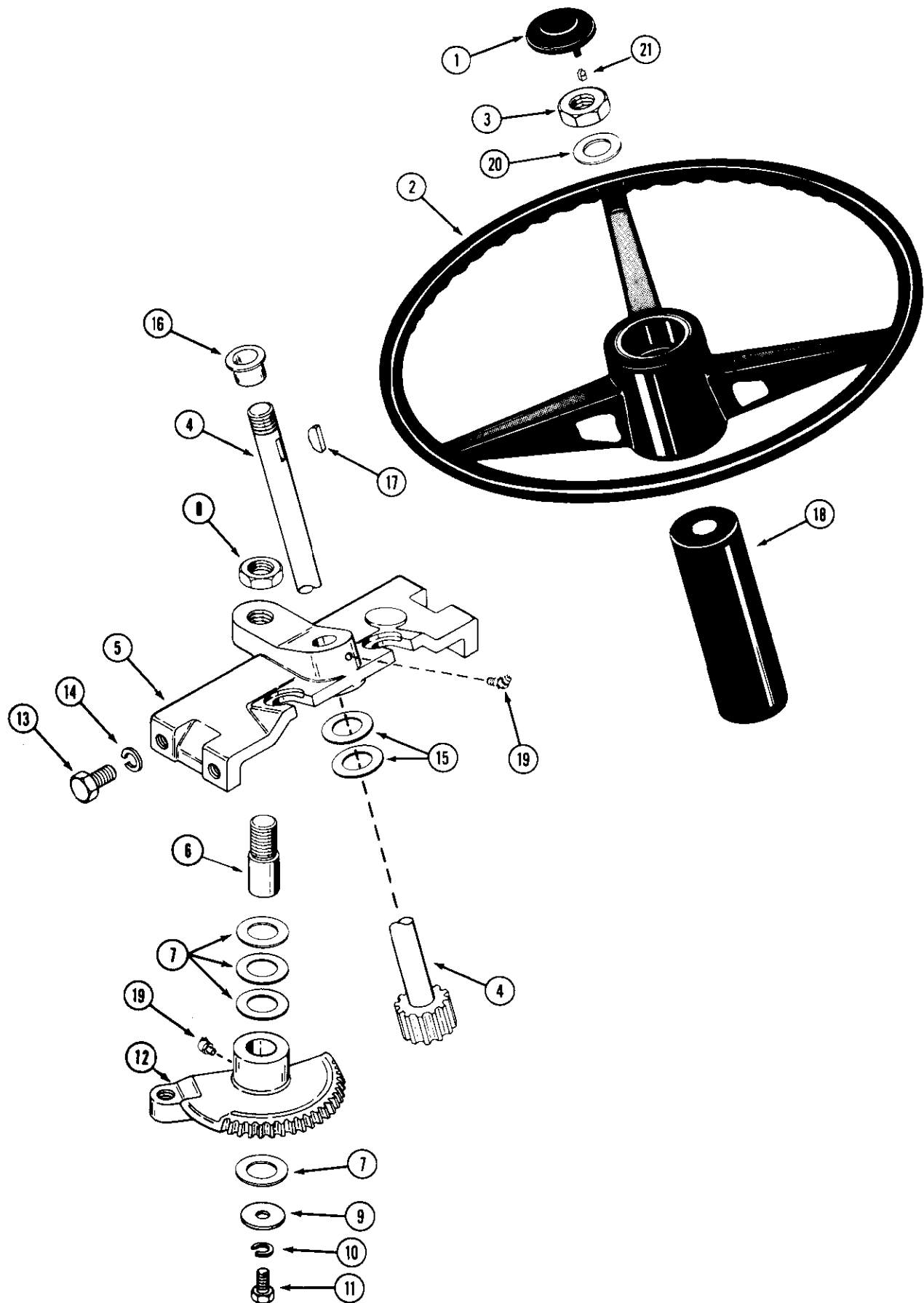


220, 222 AND 224 FRONT AXLE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 18812	AXLE - front	1
2	C 18777	SPINDLE - left hand	1
3	C 18779	SPINDLE - right hand	1
4	138- 99	PIN - roll	2
5	C 11906	WASHER - thrust	4
6	219- 404	FITTING - lube	1
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 22278	PIN - retaining, axle pivot	1
13	C 22992	KIT - drag link rod	1
14	192- 23	LOCKWASHER - 1/2" zinc plated	3
15	129- 165	NUT - jam 1/2" N.F. hex R.H. thread	6
16	C 21527	BALL JOINT - 1/2" L.H. thread	2
17	129- 365	NUT - jam 1/2" N.F. hex L.H. thread	2
18	C 21526	BALL JOINT - R.H. thread	2
19	C 22568	TUBE - axle pivot	1
20	219- 17	FITTING - lube	2
21	C 21530	TIE ROD	1

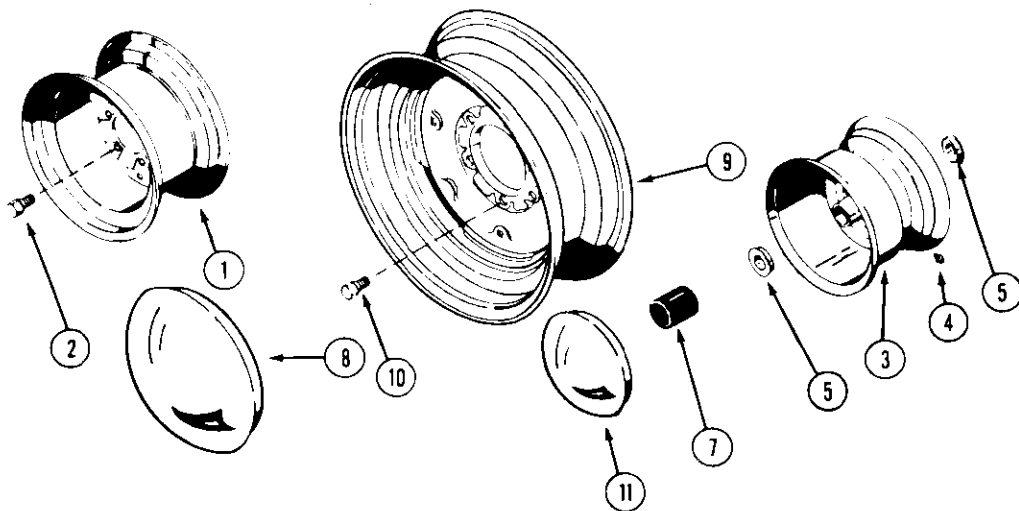
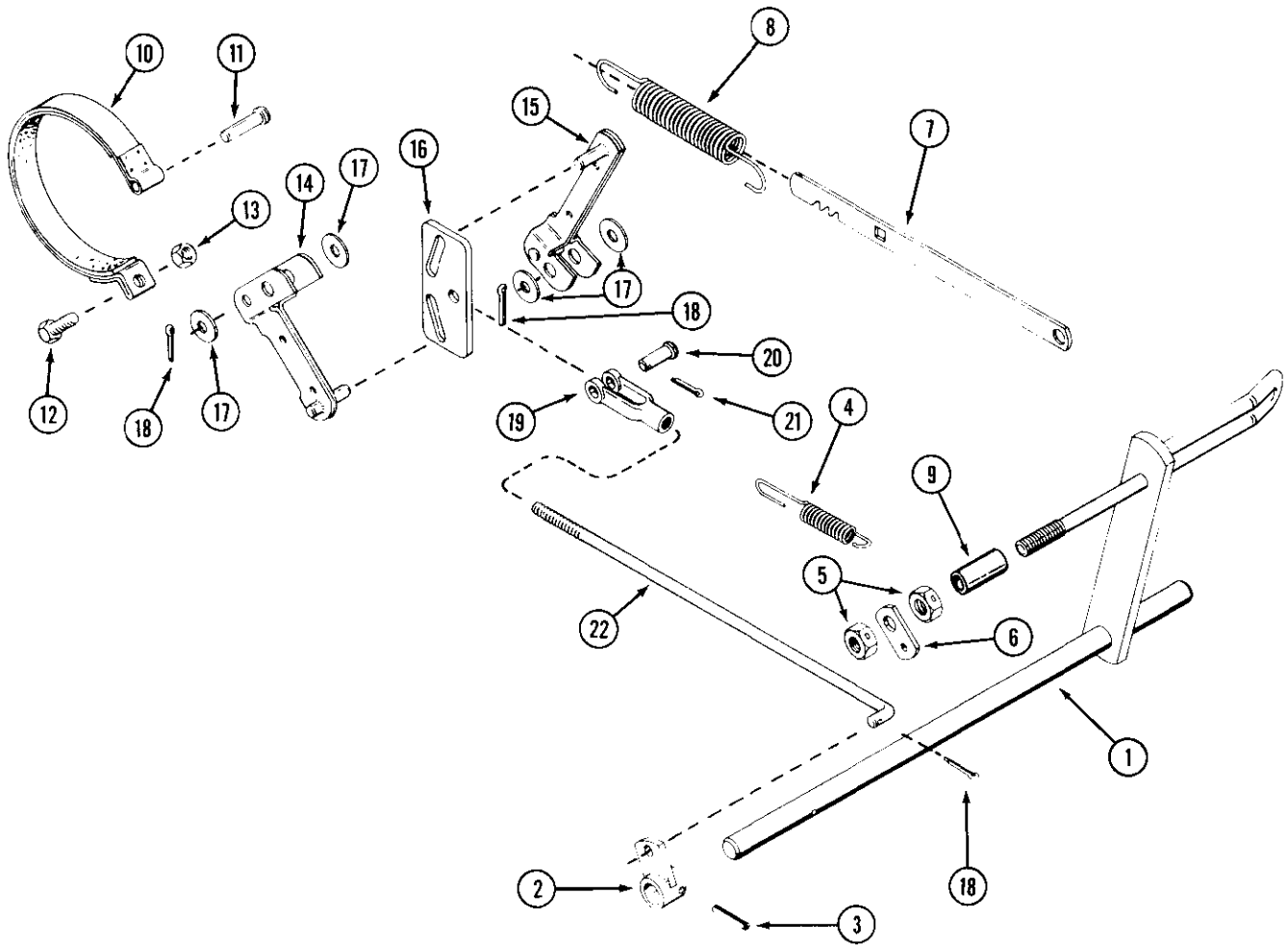
444 FRONT AXLE

1	C 18813	AXLE - front	1
2	C 18784	SPINDLE - right hand	1
3	C 18782	SPINDLE - left hand	1
4	138- 99	PIN - roll	2
5	C 22278	PIN - retaining, axle pivot	1
6	C 13716	WASHER - thrust	4
7	219- 404	FITTING - lube	1
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 22992	KIT - drag link rod	1
14	192- 23	LOCKWASHER - 1/2" zinc plated	3
15	129- 165	NUT - jam 1/2" N.F. hex R.H. thread	6
16	129- 365	NUT - jam 1/2" N.F. hex L.H. thread	2
17	C 21527	BALL JOINT - L.H. thread	2
18	C 21526	BALL JOINT - R.H. thread	2
19	C 22568	TUBE - axle pivot	1
20	219- 17	FITTING - lube	2
21	C 21529	TIE ROD	1



STEERING GEAR

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 16945	CAP - steering wheel	1
2	C 18014	WHEEL - steering	1
3	131- 1113	NUT - lock 5/8" Gripco.	1
4	C 16200	SHAFT - steering	1
5	C 18992	SUPPORT - steering gear	1
6	C 14200	PIN - pivot	1
7	C 14201	WASHER - shim.	4
8	129- 148	NUT - jam 3/4"	1
9	195- 2021	WASHER	1
10	192- 20	LOCKWASHER - 5/16" zinc plated.	1
11	113- 102	BOLT - 5/16" x 3/4" NC hex	1
12	C 18711	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.	2
16	C 15096	BUSHING - flanged nylon	1
17	126- 16	KEY - Woodruff 3/16" x 3/4"	1
18	C 24098	TUBE - steering	1
19	219- 404	FITTING - lube 45°	2
20	C 12975	WASHER - 5/8"	2
21	C 18017	CLIP - tinnerman	2
	C 13106	COVER - lube fitting	2

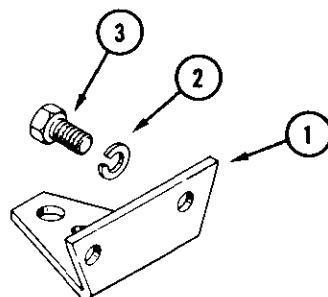
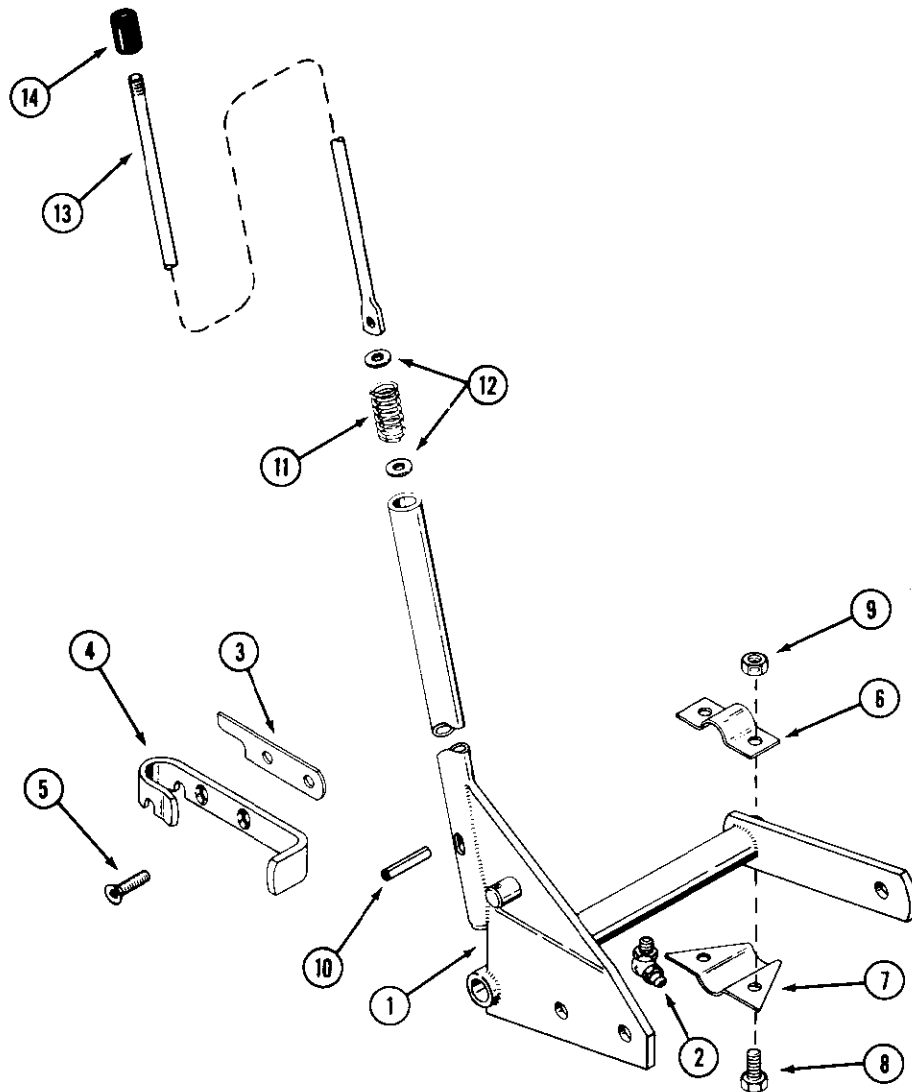


BRAKE ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 21872	PEDAL - brake actuating	1
2	C 19183	ARM - brake pedal	1
3	138- 2073	PIN - spirol 3/16" x 1-1/4"	1
4	C 25022	SPRING - return	1
5	131- 164	NUT - centerlock, jam	2
6	C 16164	TAB - lift	1
7	C 18147	LEVER - brake lock	1
8	C 16379	SPRING - brake lock	1
9	C 21857	SPACER - brake pedal	1
10	C 23909	BAND - brake	1
11	C 23910	PIN - clevis	1
12	113- 2262	BOLT - 3/8" - 16 x 1-1/2" hex	1
13	129- 143	NUT - 3/8" - 16 jam	1
14	C 23899	ARM - brake	1
15	C 24761	ARM - brake (includes adjustment nut)	1
16	C 23883	GUIDE - brake actuation	1
17	195- 533	WASHER - .531 I.D.	4
18	132- 310	PIN - cotter 1/8" x 1"	3
19	213- 4	CLEVIS	1
20	141- 4	PIN - clevis	1
21	132- 321	PIN - cotter	1
22	C 24796	ROD - brake (use before 220 - S/N 9762275, 222 - S/N 9763700, 224 - S/N 9765195).	1
22	C 24795	ROD - brake (444) use before S/N 9766840	1
22	C 25305	ROD - brake (use 220 - S/N 9762275, 222 - S/N 9763700, 224 - S/N 9765195 and after)	1
22	C 25306	ROD - brake (444) use S/N 9766840 and after	1

FRONT AND REAR WHEELS

			220	222	224	444
1	C 24435	WHEEL - rear, 5 bolt (white).	2			
2	C 10314	BOLT - rear wheel	10			
3	C 24433	WHEEL - front (white) (includes items 5 and 6)	2			2
4	219- 403	FITTING - lube	2			2
5	C 12110	BEARING - wheel, inner	4			4
7	C 12370	CAP - plastic, front.	2			2
8	A 70185	CAP - hub, rear (optional)	2			
9	C 24438	WHEEL - rear, 6 bolt (white)				2
10	A 30064	BOLT - rear wheel				12
11	A 70062	CAP - hub front wheel (optional).	2			2
	C 13106	COVER - lube fitting	2			2



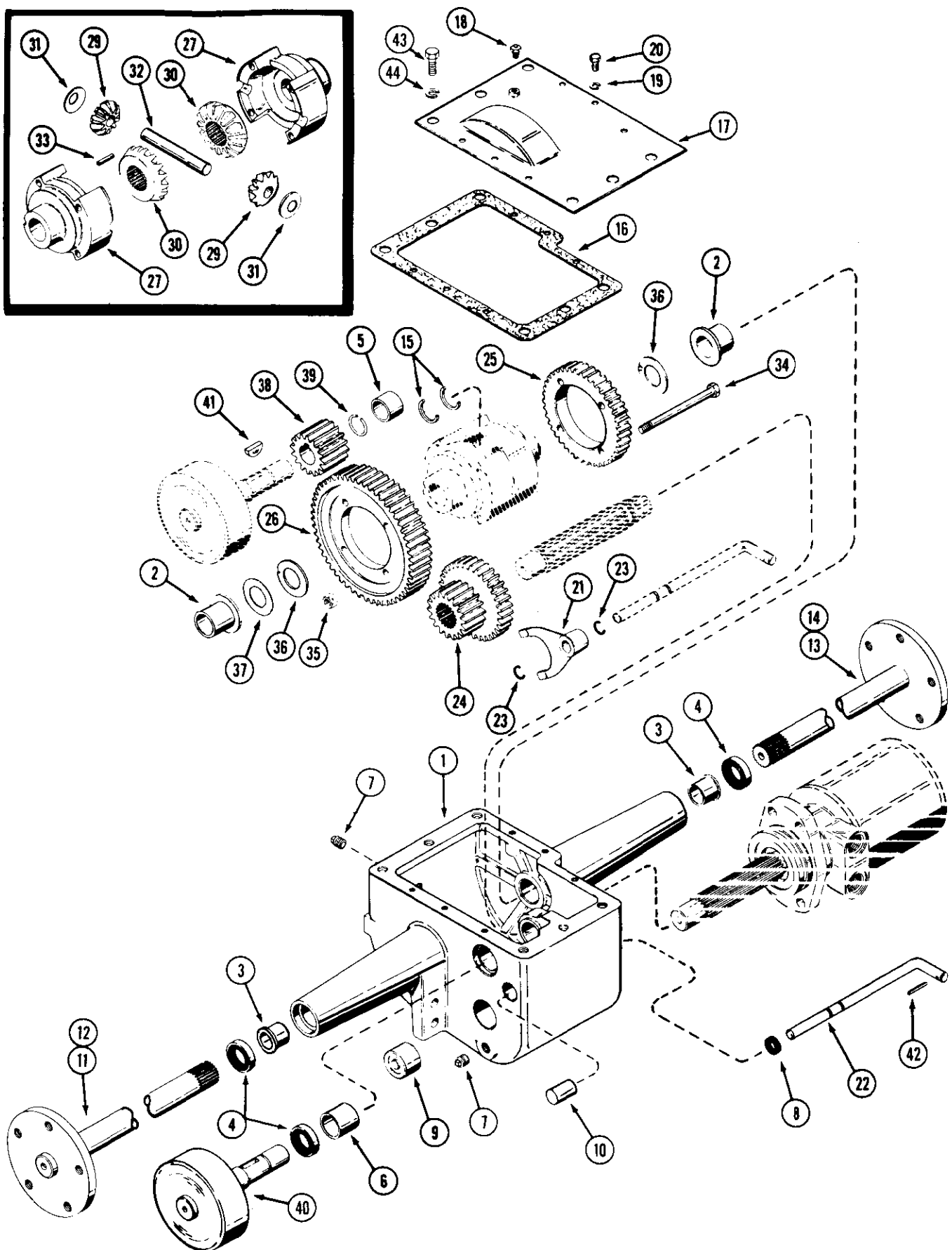
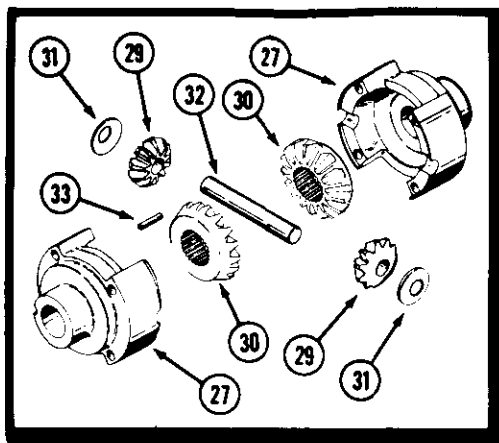
MOUNTING POSITION FOR 220, 222 AND 224 TRACTORS.

IMPLEMENT LIFT

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 18809	LEVER ASSEMBLY - implement lift	1
2	219- 404	FITTING - lube 45°	1
3	C 17281	SPACER - latch	4
4	C 18811	LIFT - latch	1
5	164- 42	SCREW - 5/16 x 1-1/4" flat head socket	2
6	C 17249	BRACKET - mounting top	1
7	C 17250	BRACKET - mounting bottom	1
8	113- 207	BOLT - 3/8 x 1" NC hex	4
9	131- 1181	NUT - lock 3/8"	4
10	138- 2054	PIN - spirol 5/16 x 1-3/4"	1
11	C 15564	SPRING - lift lever	1
12	195- 521	WASHER - 3/8 x 11/16" OD	2
13	C 17067	ROD - lift lever push	1
14	C 14525	BUTTON - thumb	1
	C 13106	COVER - lube fitting	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



TRANSMISSION AND FINAL DRIVE

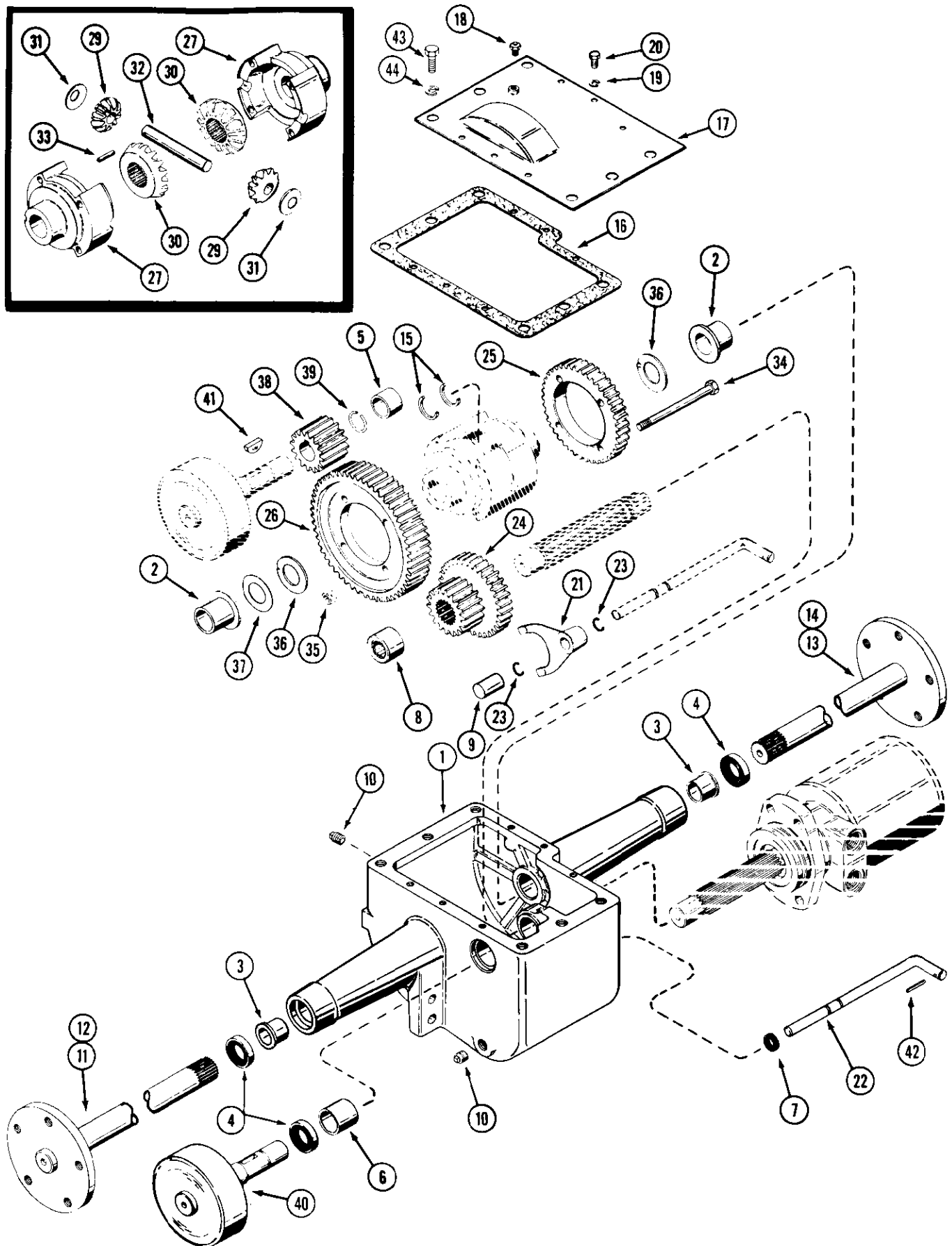
220 - USED PRIOR TO S/N 9748634

222 - USED PRIOR TO S/N 9750308

224 - USED PRIOR TO S/N 9751888

444 - USED PRIOR TO S/N 9753175

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 13770	CASE - transmission	1
2	C 12713	BEARING - flange	2
3	C 16744	BEARING - flanged	2
4	D 31945	SEAL - axle	3
5	C 13241	BEARING - sleeve	1
6	C 13385	BEARING - sleeve	1
7	221- 4	PLUG - filler and drain 1/2"	2
8	C 13266	SEAL - shift rod	1
9	C 13211	BEARING - roller, input shaft	1
10	C 12723	CAP - shift rod	1
11	C 16699	SHAFT - axle, short R.H. (220, 222 and 224)	1
12	C 22638	SHAFT - axle, short R.H. (444)	1
13	C 16700	SHAFT - axle, long L.H. (220, 222 and 224)	1
14	C 22637	SHAFT - axle, long L.H. (444)	1
15	B 52144	RING - retainer, axle	2
16	C 13196	GASKET - transmission cover	1
17	C 13197	COVER - transmission	1
18	A 50096	BREATHER - transmission	1
19	192- 19	LOCKWASHER - 1/4"	6
20	113- 1	BOLT - 1/4 x 1/2" NC hex	6
21	C 12725	FORK - shift	1
22	C 16339	ROD - gear shift	1
23	C 14168	RING - retaining	2
24	C 14644	GEAR - cluster input	1
25	C 12551	GEAR - high 41 tooth	1
26	C 12552	GEAR - low 55 tooth	1
27	C 16295	KIT - diff. case (includes Ref. 34 and 35)	1
	C 24192	KIT - differential pinion and side gear	1
29	NSS	GEAR - differential pinion	2
30	NSS	GEAR - differential	2
31	C 12559	WASHER - pinion thrust	2
32	C 12560	PIN - differential cross	1
33	R 17820	PIN - differential cross lock	1
34	C 24853	SCREW - 3/8 x 5" NF hex cap	4
35	131- 1232	NUT - lock 3/8" NF hex	4
36	C 12718	WASHER - differential	2
37	C 14223	WASHER - spacer	UAR
38	C 12965	GEAR - brake idler	1
39	C 14222	RING - retainer, brake idler	1
40	C 13261	BRAKE DRUM	1
41	126- 128	KEY - Woodruff, brake idler	1
42	138- 319	PIN - roll 3/16 x 1-1/4"	1
43	113- 424	BOLT - 1/2" - 13 x 1" hex	4
44	192- 23	LOCKWASHER - 1/2"	4



TRANSMISSION AND FINAL DRIVE

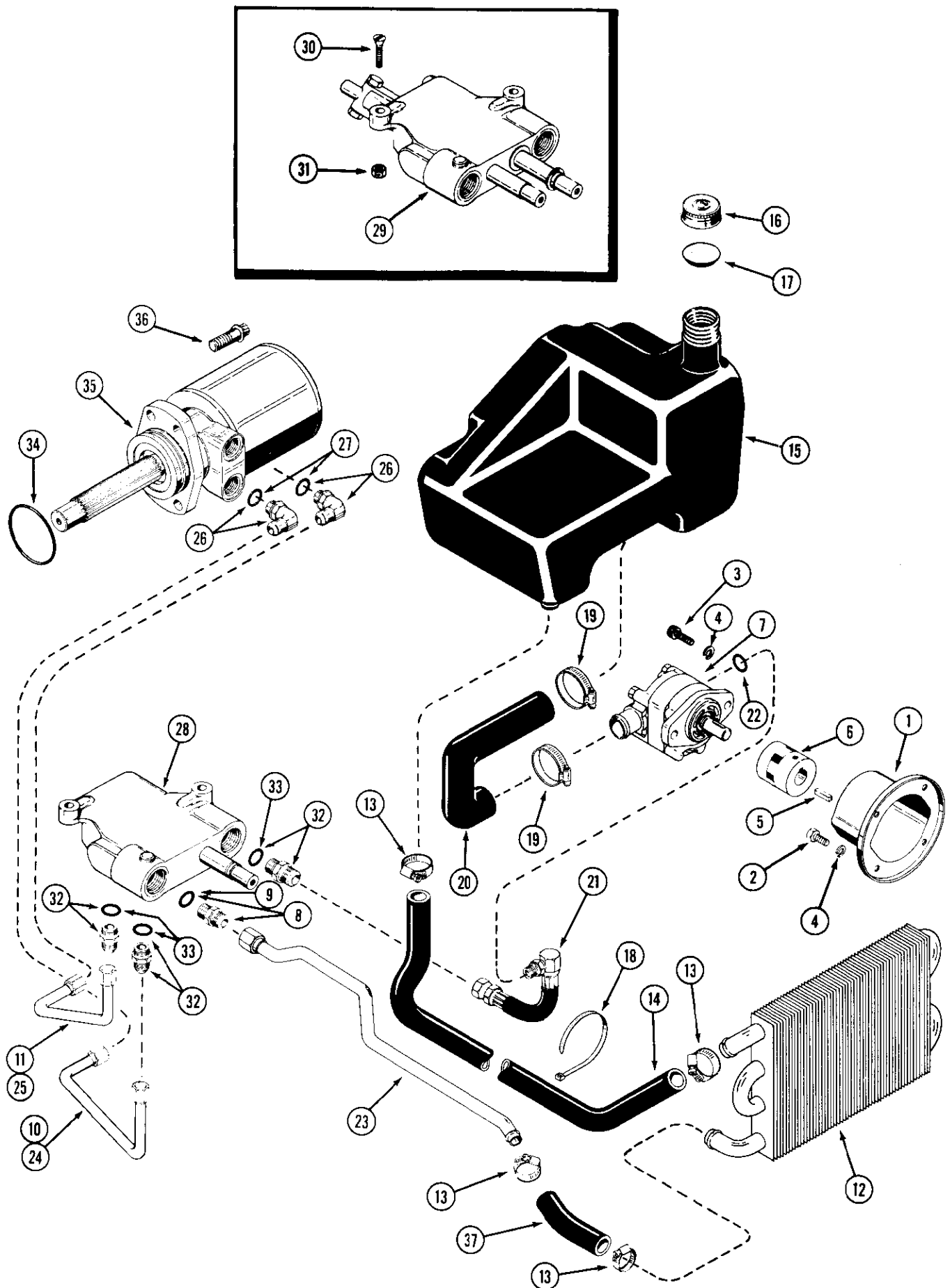
220 - USED S/N 9748634 AND AFTER

222 - USED S/N 9750308 AND AFTER

224 - USED S/N 9751888 AND AFTER

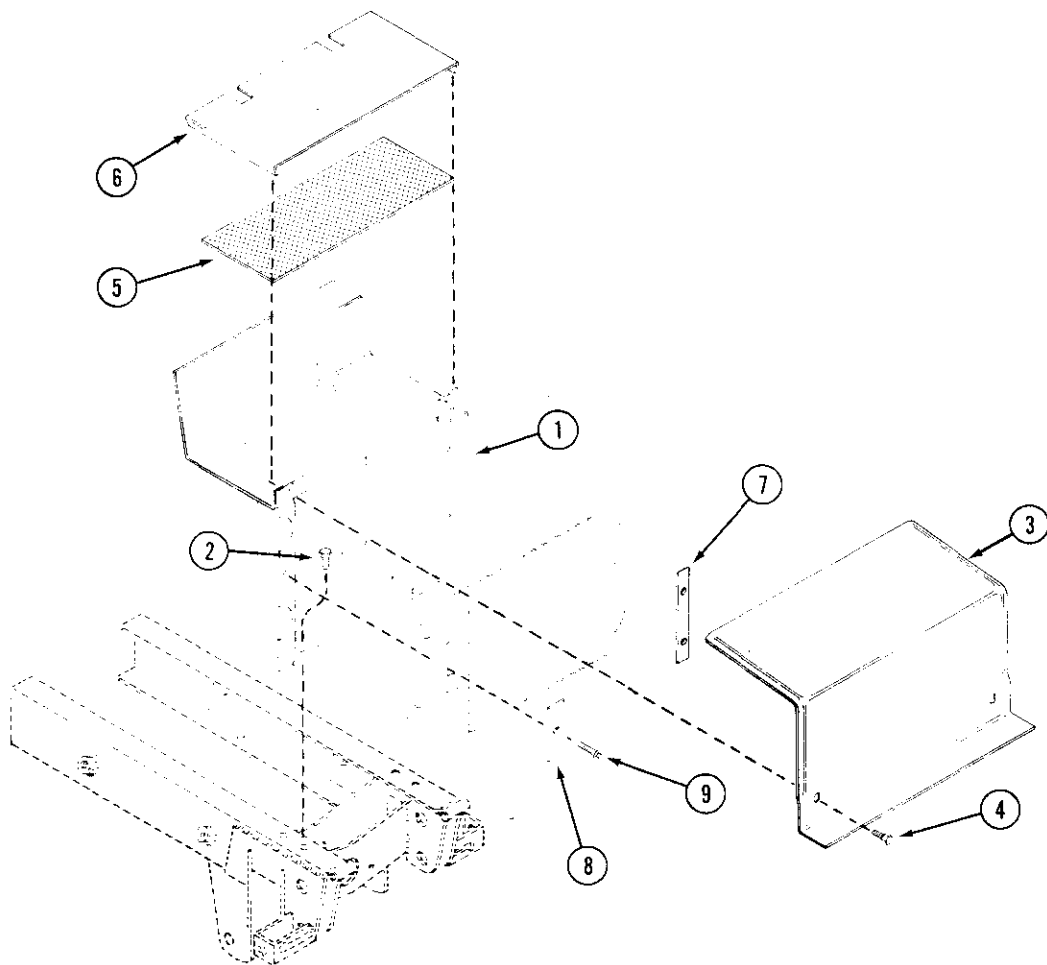
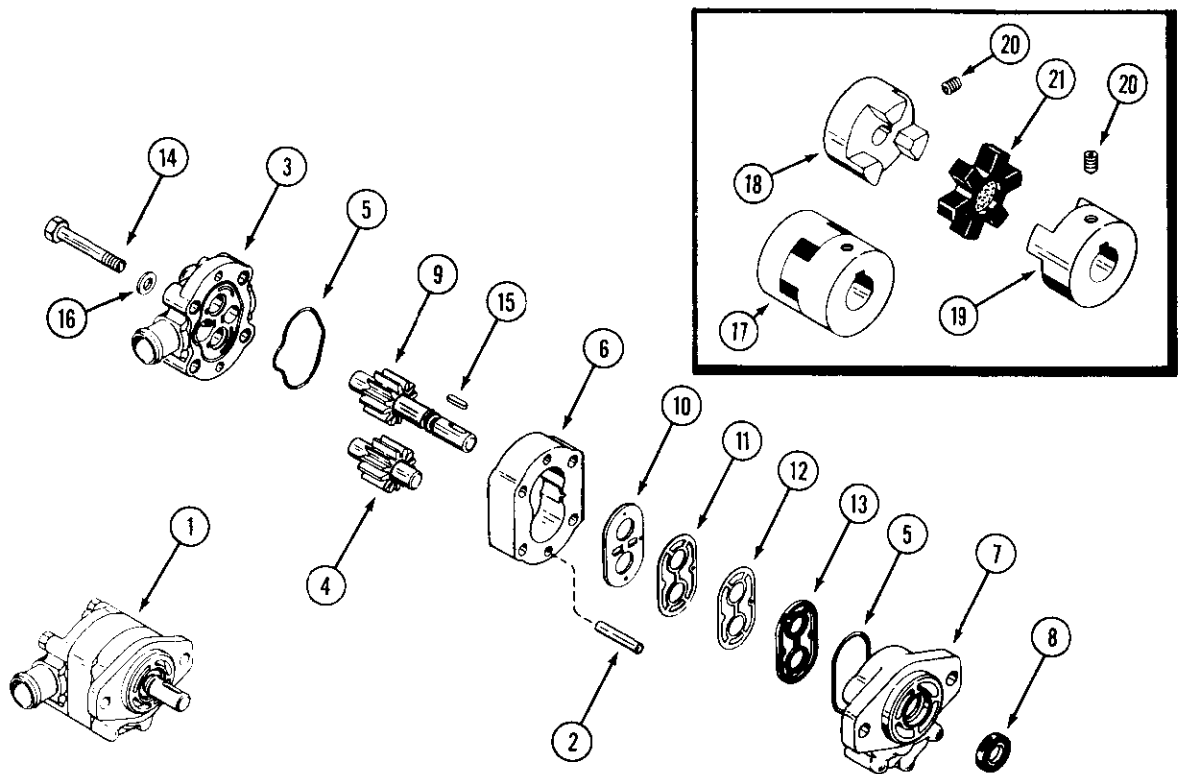
444 - USED S/N 9753175 AND AFTER

REF.	PART NO.	DESCRIPTION	REQ'D
	C 24843	CASE ASSEMBLY - transmission	1
1	NSS	CASE - transmission.	1
2	C 12713	BEARING - flange	2
3	C 24804	BEARING - flange	2
4	C 24803	SEAL - shaft	3
5	C 13241	BEARING - sleeve	1
6	C 13385	BEARING - sleeve	1
7	C 13266	SEAL - shift rod.	1
8	F 7232	BEARING - roller	1
9	C 12723	CAP - shift rod.	1
10	221- 4	PLUG - 1/2" filler and drain	2
11	C 16699	SHAFT - axle, short R.H. (220, 222 and 224)	1
12	C 22638	SHAFT - axle, short R.H. (444).	1
13	C 16700	SHAFT - axle, long L.H. (220, 222 and 224)	1
14	C 22637	SHAFT - axle, long L.H. (444)	1
15	B 52144	RING - retainer, axle	2
16	C 13196	GASKET - transmission cover.	1
17	C 13197	COVER - transmission	1
18	A 50096	BREATHER - transmission.	1
19	192- 19	LOCKWASHER - 1/4"	6
20	113- 1	BOLT - 1/4 x 1/2" NC hex.	6
21	C 12725	FORK - shift	1
22	C 24802	ROD - gear shift.	1
23	C 14168	RING - retaining	2
24	C 14644	GEAR - cluster input.	1
25	C 12551	GEAR - high 41 tooth	1
26	C 12552	GEAR - low 55 tooth	1
27	C 16295	KIT - diff. case (includes Ref. 34 and 35)	1
	C 24192	KIT - differential pinion and side gear	1
29	NSS	GEAR - differential pinion.	2
30	NSS	GEAR - differential	2
31	C 12559	WASHER - pinion thrust	2
32	C 12560	PIN - differential cross	1
33	R 17820	PIN - differential cross lock	1
34	C 24853	SCREW - 3/8 x 5" NF hex cap	4
35	131- 1232	NUT - lock 3/8" NF hex	4
36	C 12718	WASHER - differential	2
37	C 14223	WASHER - spacer.	UAR
38	C 12965	GEAR - brake idler.	1
39	C 14222	RING - retainer, brake idler	1
40	C 13261	BRAKE DRUM	1
41	126- 128	KEY - Woodruff, brake idler.	1
42	138- 319	PIN - roll 3/16 x 1-1/4".	1
43	113- 424	BOLT - 1/2" - 13 x 1" hex	4
44	192- 23	LOCKWASHER - 1/2"	4



HYDRAULIC SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 15335	SUPPORT - pump mounting	1
2	113- 206	BOLT - 3/8" x 3/4" NC hex. support mounting	4
3	62- 616	BOLT - 3/8" x 1" NF hex soc. hd., pump mounting	2
4	192- 21	LOCKWASHER - 3/8" zinc plated	6
5	W 5063-S	KEY - square 1/4" x 3/4" (engine shaft)	1
6	C 25207	COUPLING - pump, 9/16" shaft (220, 222) (See page 51)	1
6	C 25208	COUPLING - pump, 9/16" shaft (224, 444) (See page 51)	1
7	C 24828	PUMP - hyd. 9/16" shaft (repairs page 51 or 51B)	1
8	C 17236	FITTING - hyd. 3/4" x 7/8" "O" Ring	1
9	218- 5007	"O" RING - 5/8" (for C17263 fitting)	1
10	C 16794	TUBE - valve to lower motor port (220, 222 and 224)	1
11	C 16793	TUBE - valve to upper motor port (220, 222 and 224)	1
12	C 22769	EXCHANGER - heat	1
13	214- 9	CLAMP - hose	4
14	C 22902	HOSE - rubber, tank to heat exchanger.	1
15	C 24818	RESERVOIR - hydraulic oil	1
16	C 25237	CAP - reservoir (includes insert).	1
17	NSS	INSERT - reservoir cap (use C25239 and C25240)	1
18	C 22947	TIE - hose clamp	2
19	214- 256	CLAMP - hose	2
20	C 24827	HOSE - suction	1
21	C 18797	HOSE - hydraulic, pump to valve.	1
22	218- 5006	"O" RING - 1/2" (for C18797)	1
23	C 19002	TUBE - valve to heat exchanger	1
24	C 16687	TUBE - valve to lower motor port (444) (use before S/N 9766840)	1
24	C 25333	TUBE - valve to lower motor port (444) (use S/N 9766840 and after)	1
25	C 25334	TUBE - valve to upper motor port (444) (use S/N 9766840 and after)	1
25	C 17898	TUBE - valve to upper motor port (444) (use before S/N 9766840)	1
26	218- 5107	FITTING - motor port, 90° elbow, "O" Ring	2
27	218- 5007	"O" RING - 5/8" (for 218-5107 fitting)	2
28	C 21495	VALVE - hydraulic control, single spool (220, 222) (repairs page 53).	1
29	C 21496	VALVE - hydraulic control, two spool (all models with hydraulic lift) (repairs page 53).	1
30	182- 246	SCREW - 5/16" x 1-1/4" N.C.	2
31	131- 351	NUT - lock 5/16" N.C. hex	2
32	218- 5062	FITTING - hydraulic valve 5/8" x 7/8" "O" Ring	3
33	218- 5007	"O" RING - 5/8"	3
34	A 30095	SEAL - motor to transmission	1
35	C 16697	MOTOR - hydraulic (220, 222 and 224) (repairs page 55)	1
35	C 14655	MOTOR - hydraulic (44) (repairs page 55)	1
36	166- 86	SCREW - 1/2" x 1-1/4" N.C. flanged 12 pt.	4
37	C 14619	HOSE - rubber, 4"	1



HYDRAULIC PUMP AND COUPLING (PARKER-HANNIFIN)

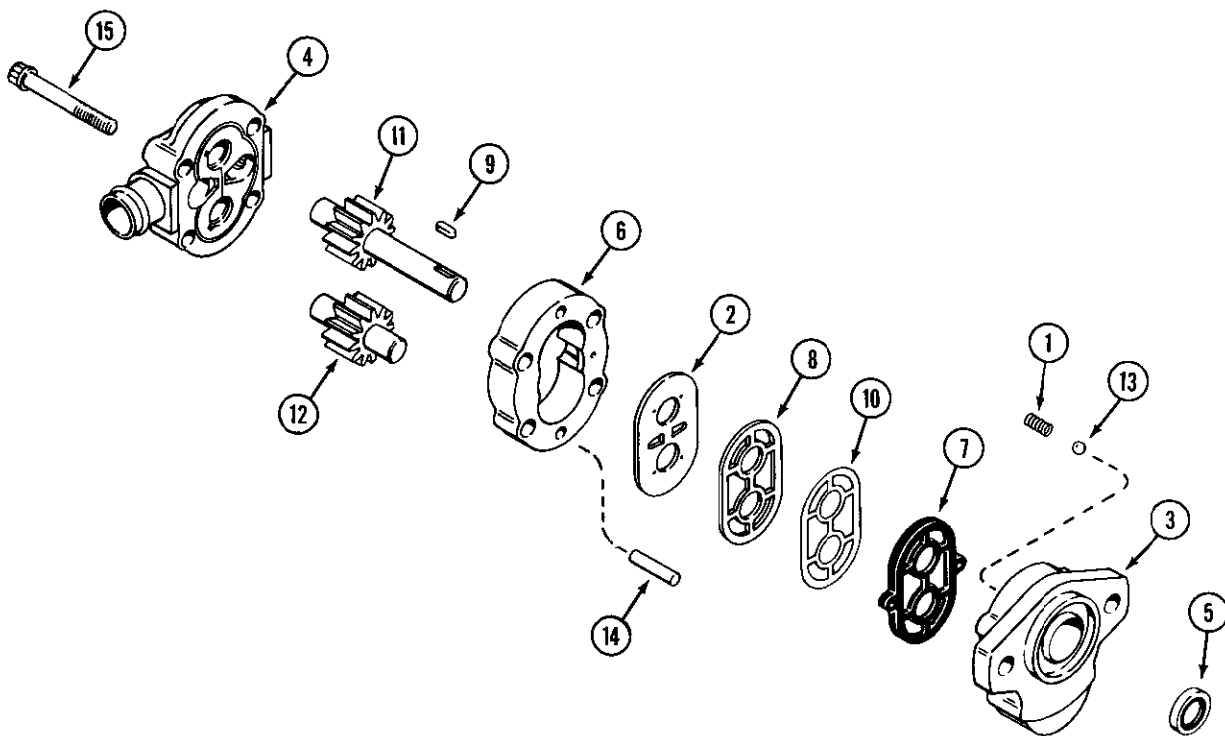
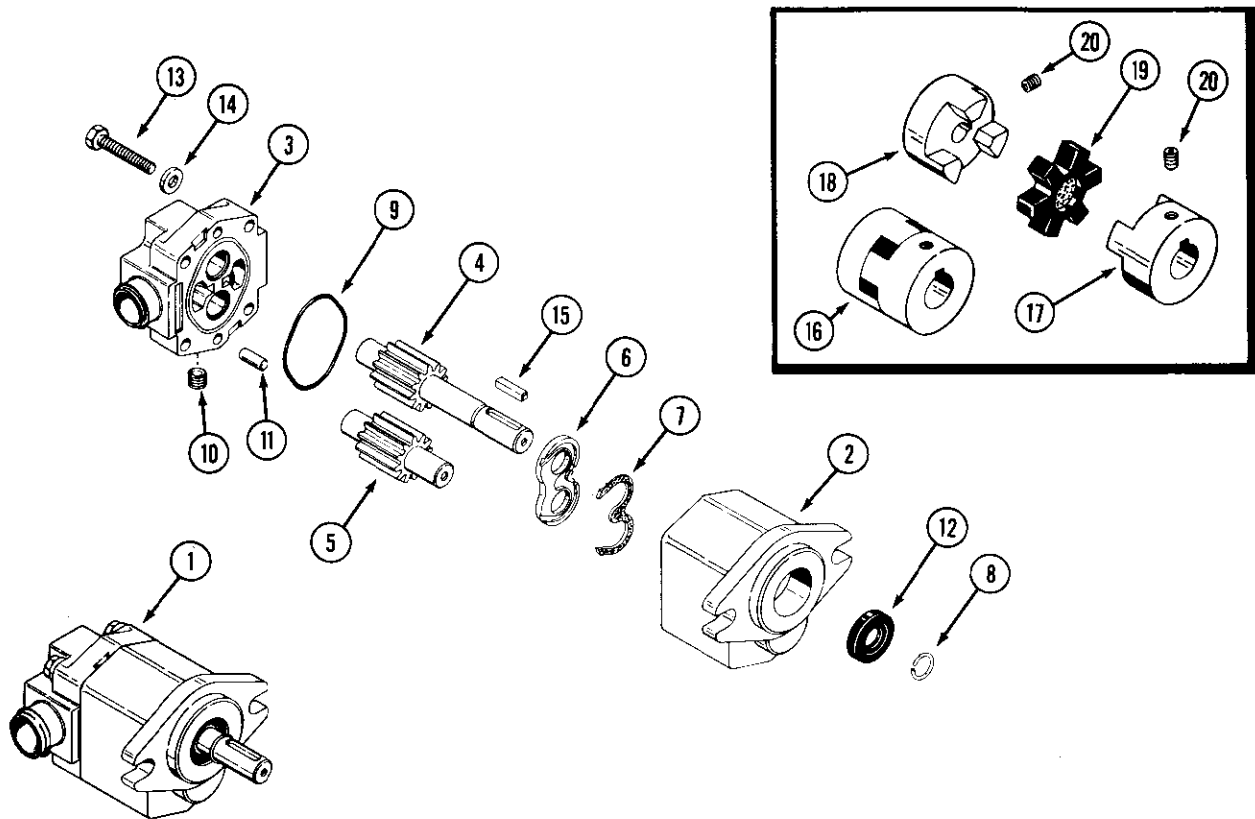
(FOR 220 S/N 9748821 TO 9749036 SEE PAGE 51B)

(FOR 222 S/N 9750516 TO 9750723 SEE PAGE 51B)

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 24828	PUMP - hyd. 9/16" shaft	1
2	C 15729	PIN - dowel	2
3	C 24861	COVER - rear	1
4	C 15731	GEAR ASSEMBLY - driven	1
5	C 15732	"O" RING - cover	2
6	C 15733	BODY - pump	1
7	C 15734	COVER - front	1
8	C 15735	SEAL - shaft	1
9	NSS	GEAR ASSEMBLY - drive	1
	C 24862	SHAFT - drive	1
	C 24863	GEAR - drive	1
	C 24864	KEY - gear	1
	C 24865	RING - retaining	2
10	C 15737	PLATE - wear	1
11	C 15738	SHIELD - heat	1
12	C 15739	GASKET	1
13	C 15740	SEAL	1
14	13- 540	BOLT	4
15	C 24866	KEY - 3/16" square	1
16	C 19115	WASHER	4
17	C 20058	COUPLING - pump (220 and 222)	1
17	C 20059	COUPLING - pump (224 and 444)	1
18	NSS	HUB - (order item 17)	1
19	NSS	HUB - (order item 17)	1
20	83- 55	SCREW - set 5/16" x 5/16" NC socket head	2
21	A 70112	SPIDER - (for C 20058 coupling)	1
21	C 15036	SPIDER - (for C 20059 coupling)	1

HEAT EXCHANGER MOUNTS AND MUFFLER SHIELDS

1	C 22894	SUPPORT - heat exchanger	1
2	113- 118	BOLT - 5/16" x 5/8"	4
3	C 22778	SHIELD - heat, muffler	1
4	113- 1	BOLT - 1/4" x 1/2" hex z.p.	2
5	C 22903	PAD - insulation	1
6	C 22874	RETAINER - insulation	1
7	C 14246	BRACKET - heat exchanger L.H.	1
8	C 22790	BRACKET - heat exchanger R.H.	1
9	187- 1252	SCREW - 1/4" x 1-1/2" N.C. flat hd. Phillips	3



HYDRAULIC PUMP AND COUPLING

(BORG-WARNER)

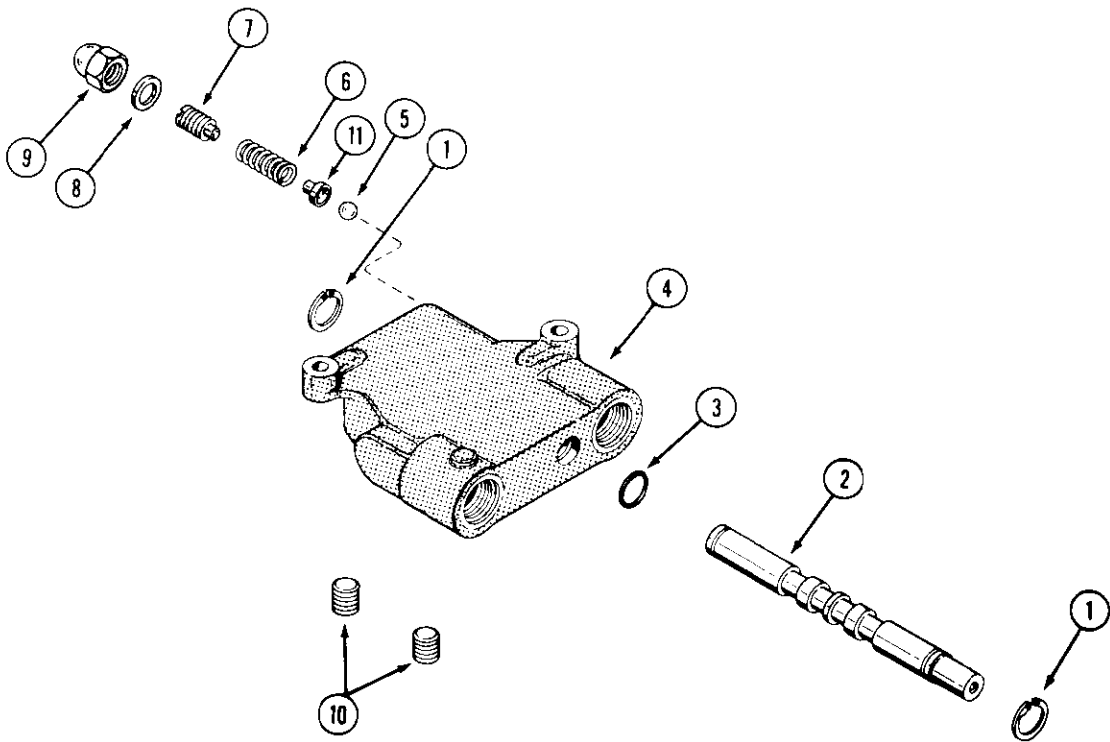
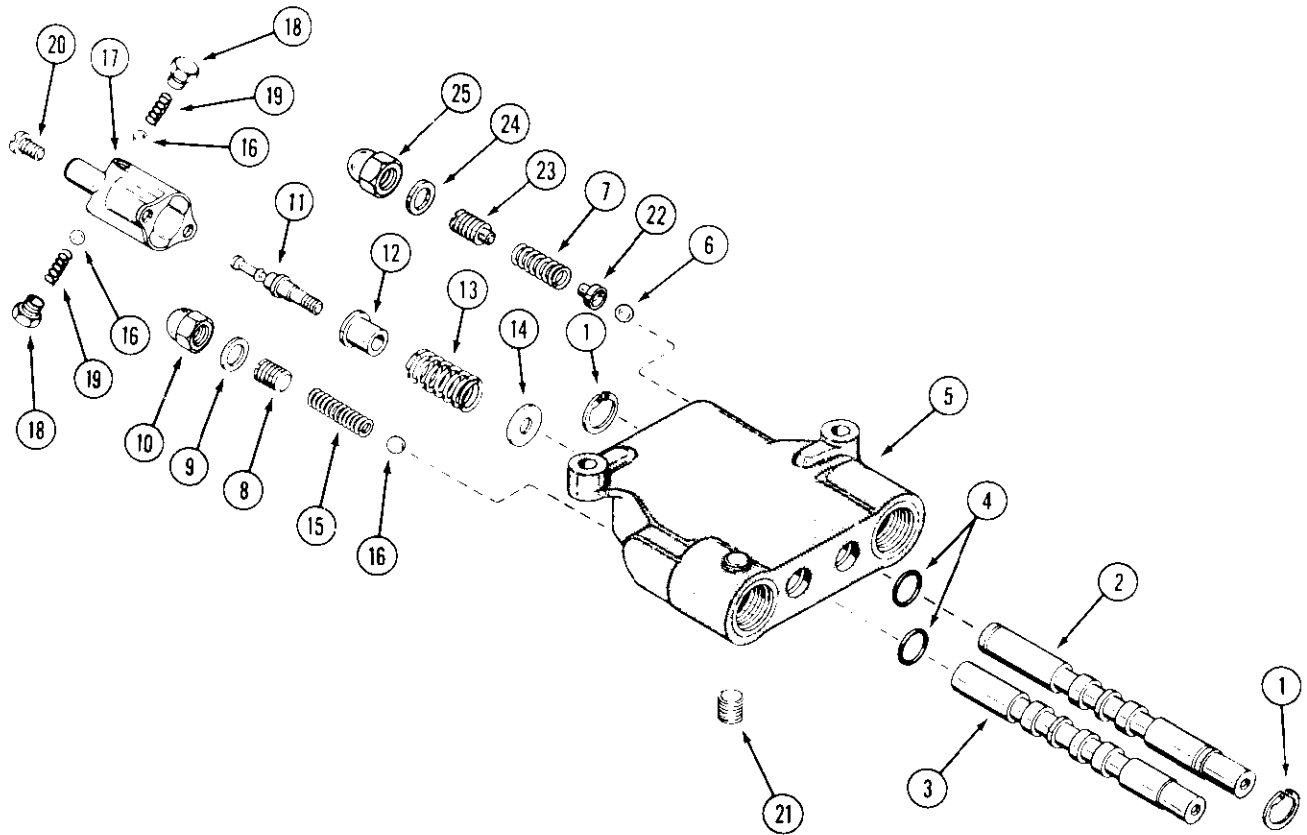
(USED 220 S/N 9748821 TO 9749036)

(USED 222 S/N 9750516 TO 9750723)

REF.	PART NO.	DESCRIPTION	REQ'D
1	NSS	PUMP - hyd. 9/16" shaft (order C24828 pump)	1
2	C 20456	BODY - pump	1
3	NSS	COVER ASSEMBLY - pump (order C24828 pump)	1
4	C 20460	GEAR - drive, pump	1
5	C 20461	GEAR - driven, pump	1
6	C 20462	PLATE - wear	1
7	NSS	SEAL AND RETAINER - wear plate (order C24334 Kit)	1
8	A 35690	RING - retaining	1
9	NSS	SEAL - "O" Ring (order C24334 Kit)	1
10	221- 849	PLUG - pipe	1
11	D 58188	PIN - dowel	2
12	NSS	SEAL - shaft (order C24334 Kit)	1
13	13- 424	BOLT - 1/4" x 1-1/2" NC hex, grade 5.	4
14	D 58189	WASHER - 1/4"	4
15	C 20455	KEY - square 3/16" x 13/16".	1
16	C 20058	COUPLING - 220, 222	1
17	NSS	HUB - coupling (order item 16).	1
18	NSS	HUB - coupling (order item 16).	1
19	A 70112	SPIDER - (for C20058 coupling).	1
20	83- 55	SETSCREW - 5/16" x 5/16" N.C. soc. hd.	2
	C 24334	KIT - seal (includes items 7, 9 and 12)	1

HYDRAULIC PUMP (CESSNA)

REF.	PART NO.	DESCRIPTION	REQ'D
	NSS	PUMP - hyd. 9/16" shaft (use C24828 pump).	1
1	F 9883	SPRING	2
2	FHO 40600	DIAPHRAGM - wear plate	1
3	NSS	COVER - front (use C24828 pump).	1
4	NSS	COVER - rear (use C24828 pump).	1
5	H 89540	SEAL - shaft.	1
6	NSS	BODY - pump (use C24828 pump)	1
7	H 218347	SEAL - diaphragm	1
8	H 218362	GASKET - back up.	1
9	A 21075	KEY - 3/16" square x .609.	1
10	H 218354	GASKET - protector	1
11	NSS	GEAR ASSEMBLY - drive (use C24828 pump).	1
12	NSS	GEAR ASSEMBLY - driven (use C24828 pump).	1
13	211- 306	BALL - steel 7/32".	2
14	H 755413	PIN - dowel 1/4" x 1-1/4"	2
15	166- 32	BOLT - 5/16" - 18 x 2-1/2" 12 pt. flange.	4

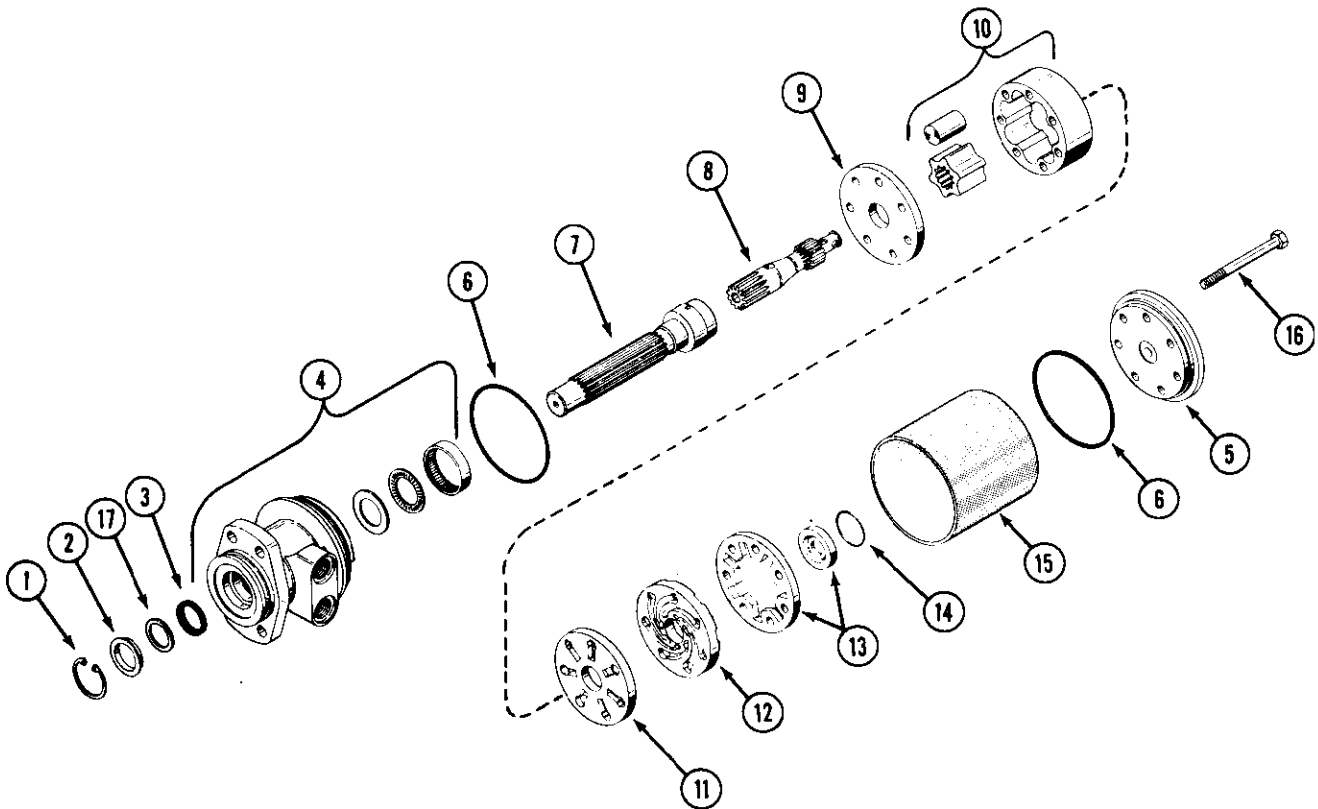
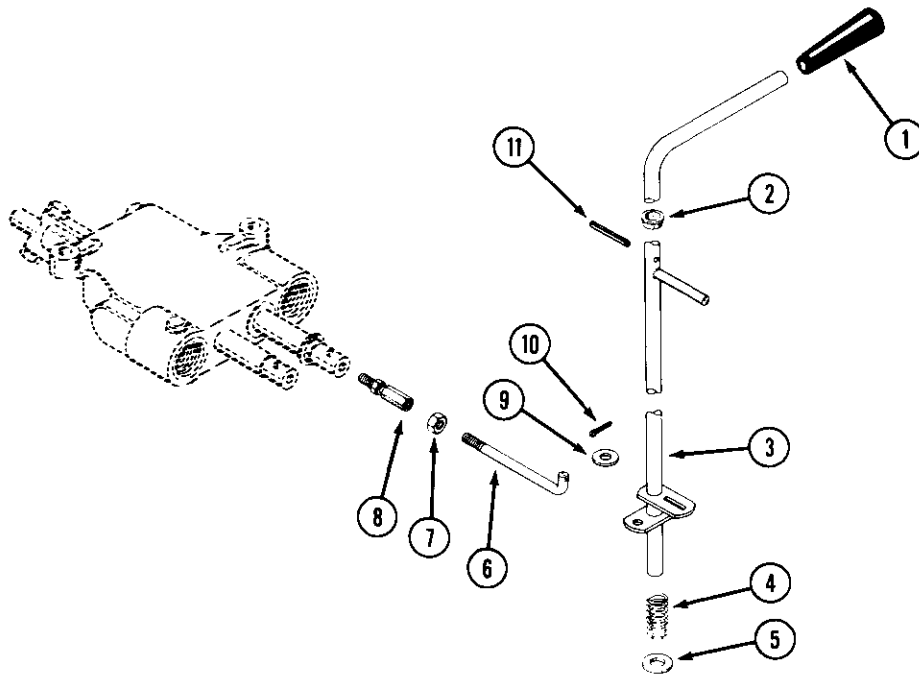


HYDRAULIC CONTROL VALVE (TWO SPOOL)

REF.	PART NO.	DESCRIPTION	REQ'D
	C 21496	VALVE - control, two spool	1
1	A 60273	RING - retaining	2
2	NSS	SPOOL - motor (Order C21496)	1
3	NSS	SPOOL - float (Order C21496)	1
4	A 7982	SEAL - spool	4
5	NSS	BODY - valve (Order C21496)	1
6	211- 9	BALL - steel 5/16"	1
7	C 21507	SPRING - relief	2
8	C 17433	SCREW - relief adjust	1
9	C 17435	GASKET - relief adjust cap	1
10	129- 531	CAP - adjust screw	2
11	C 17439	DETENT - spool	1
12	C 13200	SPACER - detent	1
13	D 59376	SPRING - detent return	1
14	C 17440	WASHER - return	1
15	C 21505	SPRING - relief	1
16	211- 7	BALL - steel 1/4"	3
17	C 17438	COVER - detent	1
18	C 17443	SCREW - detent	2
19	C 17444	SPRING - detent	2
20	169- 114	SCREW - cover	2
21	221- 841	PLUG - pipe	1
22	C 21506	RETAINER - ball seat	1
23	C 21509	SCREW - adjust, relief	1
24	C 21508	GASKET - adjust cap	1
25	C 21510	CAP - adjust screw	1
	C 21504	KIT - relief (includes items 6, 7, 22, 23, 24 and 25)	1
	C 21511	KIT - relief (includes items 8, 9, 10, 15 and 16)	1
	C 18851	KIT - detent (includes items 11, 12, 13, 14, 16, 17, 18, 19 and 20)	1

HYDRAULIC CONTROL VALVE (SINGLE SPOOL)

	C 21495	VALVE - control, single spool	1
1	A 60273	RING - retaining	2
2	NSS	SPOOL - Order C21495 valve	1
3	A 7982	SEAL - spool	2
4	NSS	BODY - valve (Order C21495)	1
5	211- 9	BALL - steel 5/16"	1
6	C 21507	SPRING - relief	1
7	C 21509	SCREW - relief adjust	1
8	C 21508	GASKET - relief adjust cap	1
9	C 21510	CAP - adjust screw	1
10	221- 841	PLUG - 1/4"	3
11	C 21506	RETAINER - ball seat	1
	C 21504	KIT - relief (Includes items 5, 6, 7, 8, 9 and 11)	1

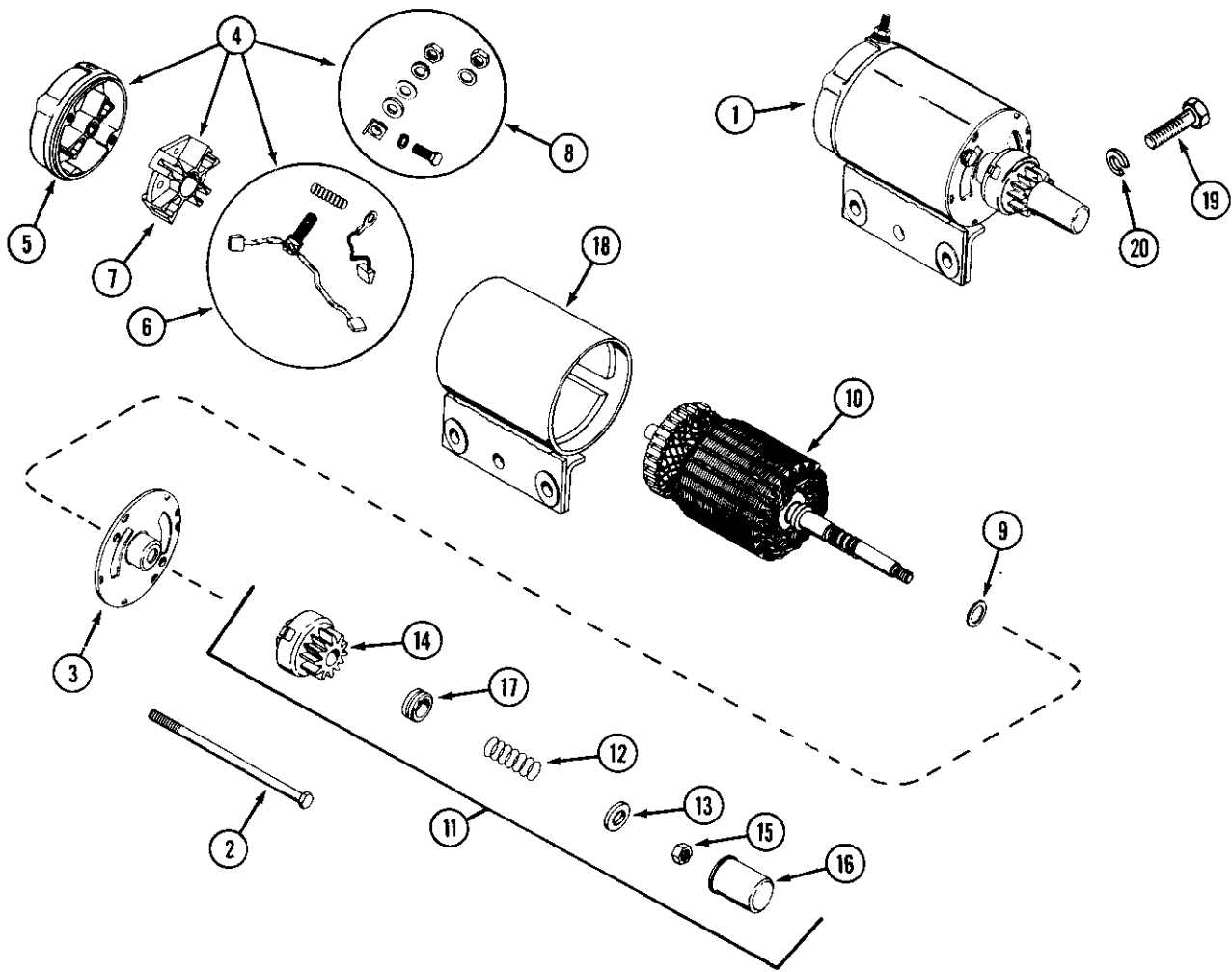


SPEED CONTROL

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 37247	KNOB - speed control	1
2	C 12093	BUSHING - lever	1
3	C 24819	LEVER - speed control	1
4	C 17612	SPRING - compression	1
5	C 21518	WASHER - nylon	1
6	C 18742	ROD - control	1
7	129- 122	NUT - 5/16" NF hex, zinc plated	1
8	C 19025	JOINT - ball	1
9	195- 521	WASHER - 5/16"	1
10	132- 320	PIN - cotter 3/32" x 3/4"	1
11	138- 323	PIN - roll 1/8" x 1-3/4"	1

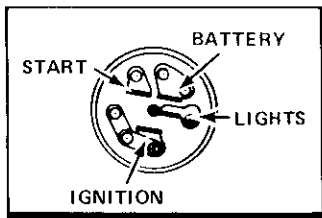
HYDRAULIC DRIVE MOTOR

	C 16697	MOTOR - hydraulic, 220, 222 and 224.	1
	C 14655	MOTOR - hydraulic, 444	1
1	C 16516	RING - retaining	1
2	NSS	SPACER - (See kit below)	1
3	NSS	SEAL - oil (See kit below)	1
4	C 14827	HOUSING ASSEMBLY	1
5	C 14837	END CAP	1
6	NSS	SEAL - (See kit below)	2
7	C 14828	SHAFT - coupling	1
8	D 72853	DRIVE LINK - 220, 222 and 224	1
8	C 14829	DRIVE LINK - 444	1
9	C 14830	PLATE - wear	1
10	C 18110	ROTOR ASSEMBLY - 220, 222 and 224	1
10	C 14831	ROTOR ASSEMBLY - 444	1
	C 24731	KIT - manifold	1
11	NSS	PLATE - manifold	1
12	NSS	MANIFOLD	1
13	D 60857	COMMUTATOR AND RING SET	1
14	NSS	RING - sealing (See kit below)	1
15	C 18092	SLEEVE - 220, 222 and 224	1
15	C 14836	SLEEVE - 444	1
16	28- 662	BOLT - 3/8" x 3-7/8" NF hex, 220, 222 and 224	7
16	C 14838	BOLT - 3/8" x 4-3/8" NF hex, 444	7
17	NSS	WASHER - back up, .010" (See kit below)	1
	C 19037	KIT - "O" ring and seal	1
	C 19041	RING - sealing	1
	NSS	SEAL - dirt (not used - throw away item)	1
	C 18382	SEAL	2
	NSS	SEAL	1
	C 16516	RING - retaining	1
	C 19040	SPACER - seal	1
	C 19212	WASHER - back up, .010"	1

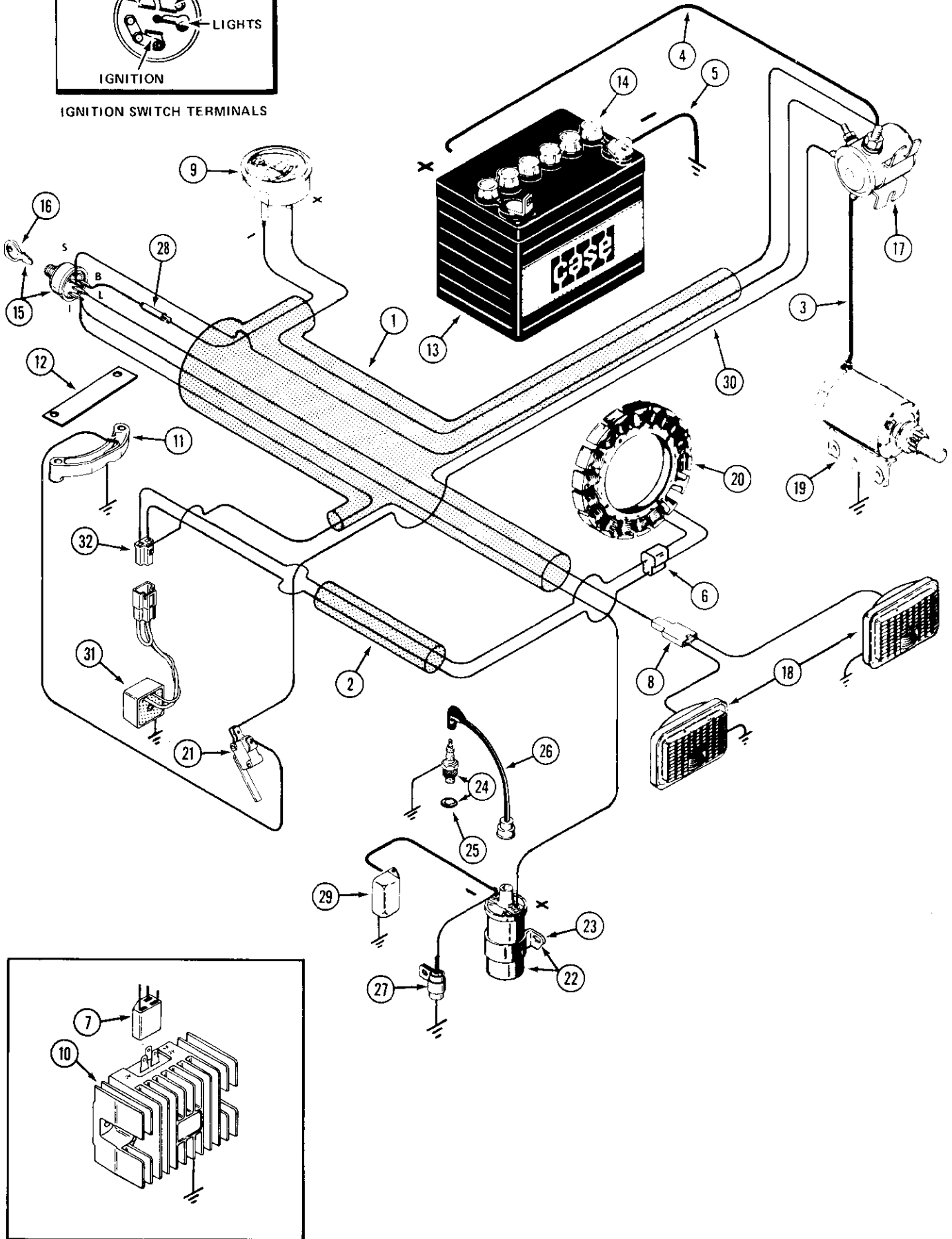


STARTER

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 24889	STARTER ASSEMBLY	1
2	V 34381	BOLT - thru.	2
3	V 34392	CAP - end	1
4	V 34384	KIT - commutator cap.	1
5	NSS	CAP - commutator	1
6	V 34383	KIT - brush and spring.	1
7	V 34830	KIT - brush holder.	1
8	V 34885	KIT - hardware	1
9	V 34382	WASHER - armature thrust.	1
10	C 24890	ARMATURE	1
11	C 24891	KIT - drive	1
12	V 34386	SPRING - anti-drift.	1
13	V 34387	SPACER - gear stop.	1
14	NSS	GEAR - drive.	1
15	V 34388	NUT - gear stop.	1
16	C 24892	COVER - dust.	1
17	V 34391	SPACER - dust cover.	1
18	NSS	BODY - starter	1
19	C 24886	BOLT - shoulder 3/8" - 20 x 1-5/16"	2
20	192- 21	LOCKWASHER - 3/8"	2
	321- 1834	DECAL - alternator electrical system	1
	C 24880	DECAL - "DO NOT STRIKE"	1



IGNITION SWITCH TERMINALS



ELECTRICAL SYSTEM

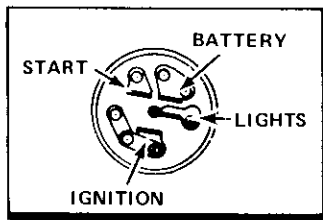
220 - use before S/N 9779977

222 - use before S/N 9781649

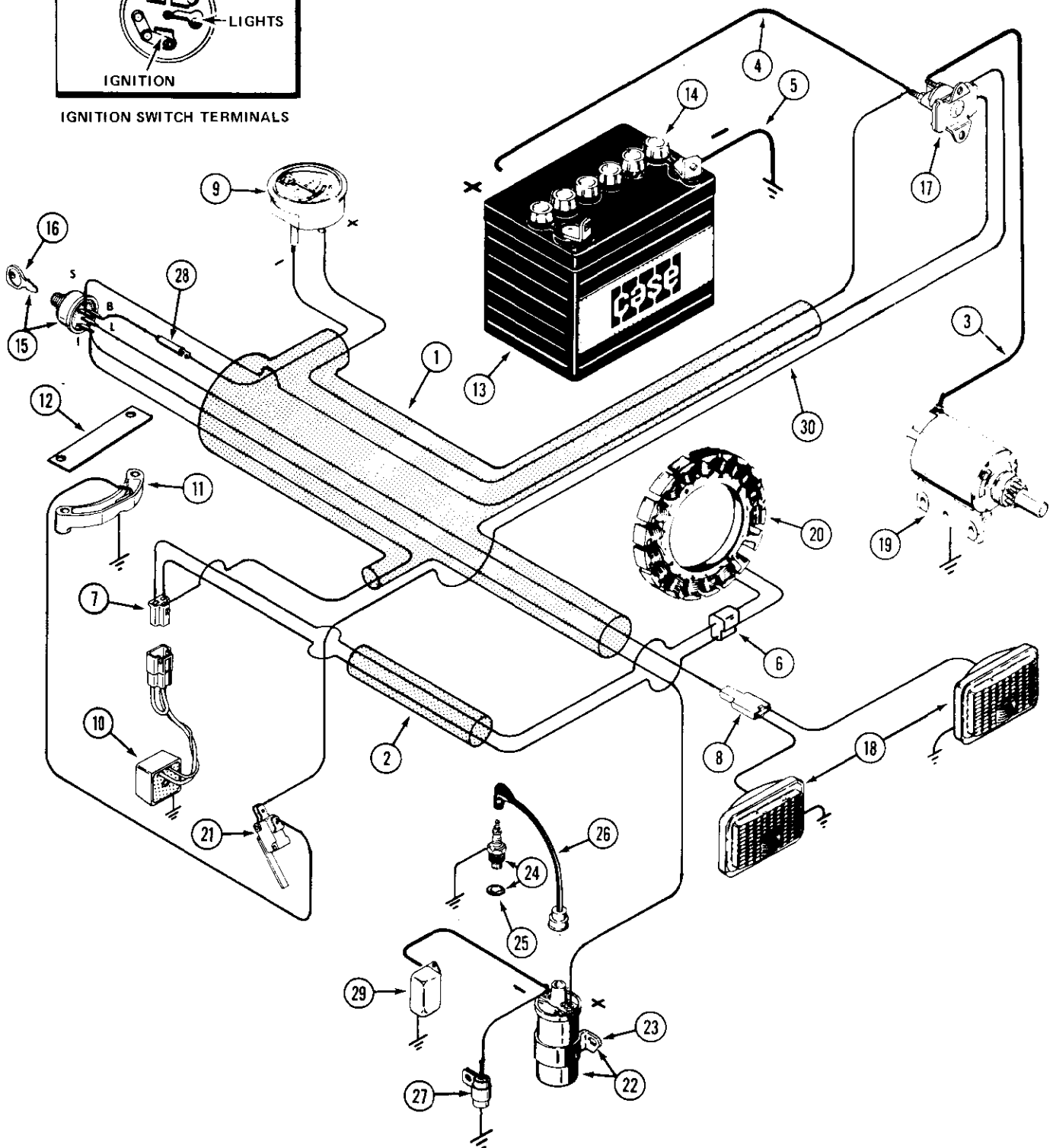
224 - use before S/N 9783251

444 - use before S/N 9784625

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 24898	HARNESS - wire	1
2	C 24815	HARNESS - wire	1
3	C 24816	CABLE - solenoid to starter (black)	1
4	C 14565	CABLE - solenoid to battery positive (red)	1
5	C 23029	CABLE - battery negative to ground (black)	1
6	C 24813	CONNECTOR - stator	1
7	C 19378	CONNECTOR - rectifier (early production)	1
8	C 14537	CONNECTOR - lights	1
9	C 18389	AMMETER - 30 amps, 12v	1
10	C 21945	RECTIFIER - voltage, 12v (early production)	1
11	C 23002	SWITCH - neutral start (includes wire)	1
12	C 21989	INSULATOR - locator	1
13	C 18197	BATTERY - 12v	1
14	C 18113	CAP - battery	6
15	C 23010	SWITCH ASSEMBLY - ignition (includes key and lockwasher)	1
16	A 24509	KEY - ignition	1
17	C 14553	SOLENOID - start 12v	1
18	C 22571	HEADLAMP ASSEMBLY - 12v (repairs page 61)	2
19	C 24889	STARTER - bendix drive (repairs page 57)	1
20	V 34427	STATOR	1
21	C 24800	SWITCH - neutral start, PTO	1
22	KO 231281	COIL - ignition, 12v (includes bracket)	1
23	V 34435	BRACKET - coil mounting	1
24	C 24301	SPARK PLUG - (includes gasket)	1
25	A 27251	GASKET - spark plug	1
26	V 34433	KIT - high tension cable	1
27	KO 230722	CONDENSER	1
28	223- 20	FUSE - 20 amp (included in harness)	1
29	NSS	BREAKER CONTACT ASSEMBLY - ignition (repairs page 63)	1
30	C 24896	WIRE - solenoid to micro switch	1
31	C 25485	RECTIFIER - voltage, 12v (late production)	1
32	C 25486	CONNECTOR - rectifier (late production)	1



IGNITION SWITCH TERMINALS



ELECTRICAL SYSTEM

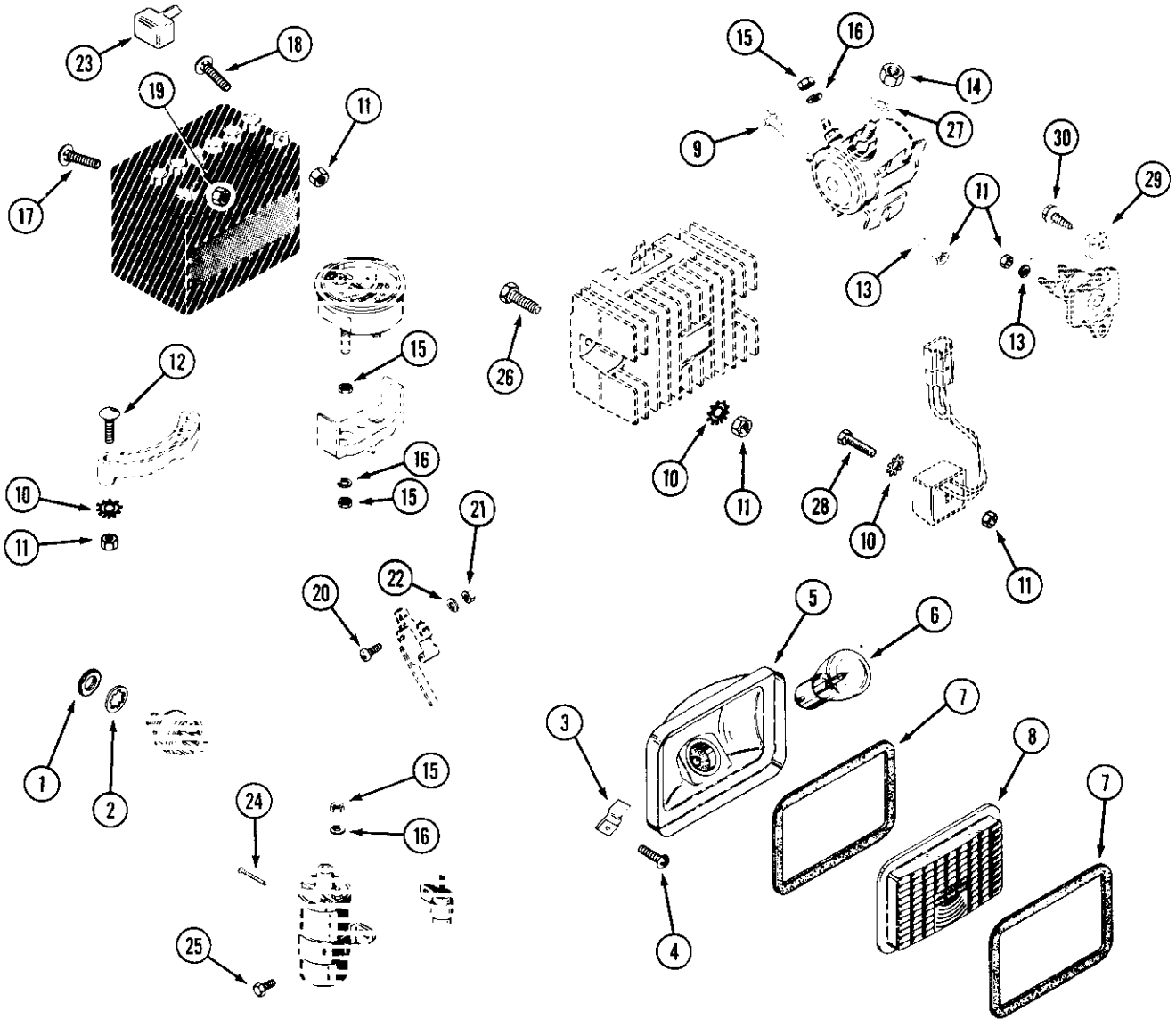
220 - use S/N 9779977 and after

222 - use S/N 9781649 and after

224 - use S/N 9783251 and after

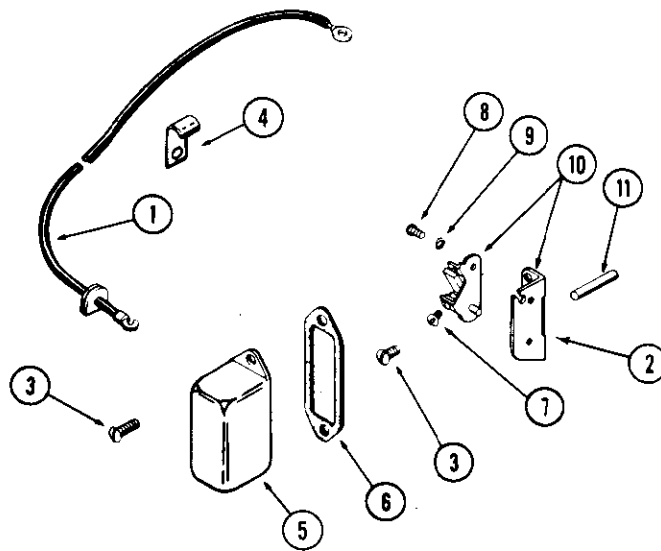
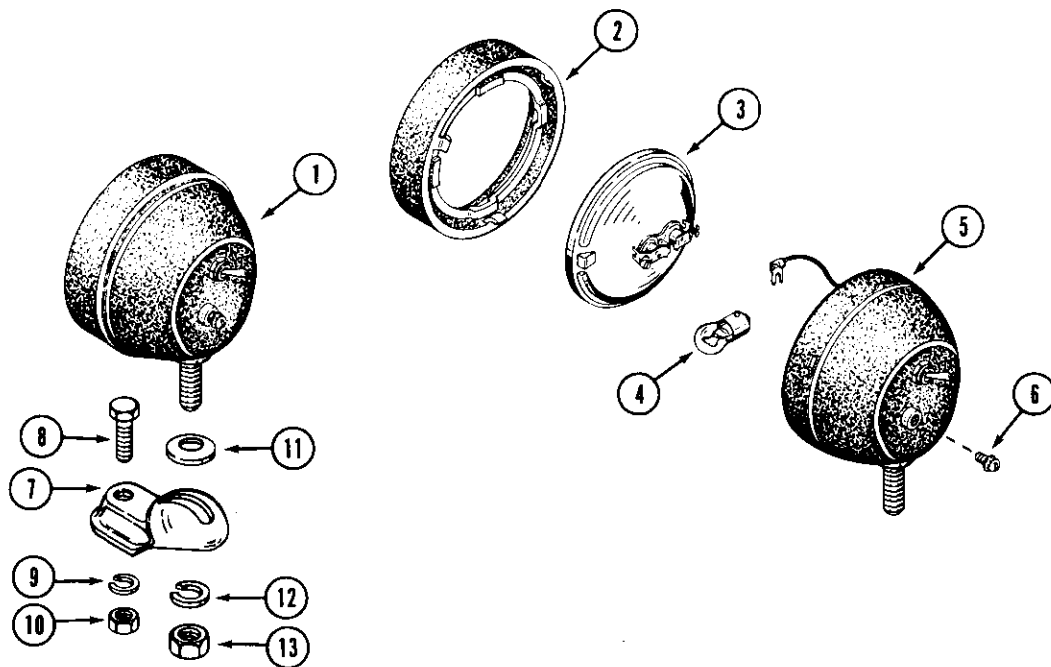
444 - use S/N 9784625 and after

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 25564	HARNESS - wire	1
2	C 24815	HARNESS - wire	1
3	C 24816	CABLE - solenoid to starter (black)	1
4	C 14565	CABLE - solenoid to battery positive (red)	1
5	C 23029	CABLE - battery negative to ground (black)	1
6	C 24813	CONNECTOR - stator	1
7	C 25486	CONNECTOR - rectifier	1
8	C 14537	CONNECTOR - lights	1
9	C 18389	AMMETER - 30 amps, 12v	1
10	C 25485	RECTIFIER - voltage, 12v	1
11	C 23002	SWITCH - neutral start (includes wire)	1
12	C 21989	INSULATOR - locator	1
13	C 18197	BATTERY - 12v	1
14	C 18113	CAP - battery	6
15	C 23010	SWITCH ASSEMBLY - ignition (includes key and lockwasher)	1
16	A 24509	KEY - ignition	1
17	C 25499	SOLENOID - start 12v	1
18	C 22571	HEADLAMP ASSEMBLY - 12v (repairs page 61)	2
19	C 24889	STARTER - bendix drive (repairs page 57)	1
20	V 34427	STATOR	1
21	C 24800	SWITCH - neutral start, PTO	1
22	KO 231281	COIL - ignition, 12v (includes bracket)	1
23	V 34435	BRACKET - coil mounting	1
24	C 24301	SPARK PLUG - (includes gasket)	1
25	A 27251	GASKET - spark plug	1
26	V 34433	KIT - high tension cable	1
27	KO 230722	CONDENSER	1
28	223- 20	FUSE - 20 amp (included in harness)	1
29	NSS	BREAKER CONTACT ASSEMBLY - ignition (repairs page 63)	1
30	C 25563	WIRE - solenoid to micro switch	1



ELECTRICAL SYSTEM HARDWARE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 23330	NUT - switch mounting	1
2	C 23012	LOCKWASHER - internal tooth	1
3	131- 629	NUT - speed type "U"	4
4	187- 1047	SCREW - #8 x 1/2" self tapping, rd. head Phillips	4
	C 22571	HEADLAMP ASSEMBLY	2
5	NSS	RECEPTACLE - headlamp (order C22571).	1
6	A 41264	BULB - headlamp	1
7	C 14304	GASKET - headlamp.	2
8	C 22573	LENS - headlamp	1
9	113- 1	BOLT - 1/4" - 20 x 1/2" hex	2
10	193- 57	LOCKWASHER - 1/4" external tooth	5
11	129- 101	NUT - 1/4" - 20 hex.	3
12	111- 140	BOLT - 1/4" - 20 x 1-1/8" rd. head sq. neck	2
13	192- 19	LOCKWASHER - 1/4".	2
14	129- 162	NUT - 5/16" NF hex	2
15	129- 27	NUT - #10 N.F. hex.	2
16	193- 26	LOCKWASHER - #10	2
17	111- 202	BOLT - 5/16" x 3/4" N.C. rd. head sq. neck	1
18	111- 108	BOLT - 1/4" x 3/4" N.C. rd. head sq. neck	1
19	129- 102	NUT - 5/16" NC hex	1
20	182- 9	SCREW - #4 - 40 x 3/4 N.C. pan head	2
21	129- 13	NUT - #4 - 40 hex	2
22	192- 13	LOCKWASHER - #4	2
23	C 24069	COVER - terminal	1
24	187- 1844	SCREW - #10 x 1-1/2" N.F. self tap	1
25	22- 58	BOLT - 5/16 x 1/2 N.C. hex, self tap.	2
26	113- 3	BOLT - 1/4" - 20 x 3/4" hex.	2
27	193- 29	LOCK WASHER - 5/16"	2
28	113- 17	BOLT - 1/4" - 20 x 1-1/4" hex	1
29	C 10836	NUT - speed type.	2
30	187- 484	SCREW - self tapping.	2

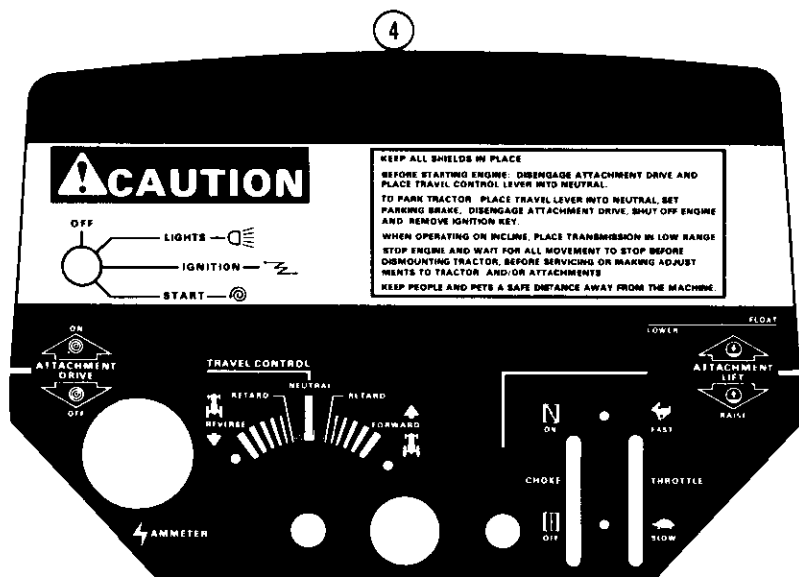


D70115 FLOOD AND TAIL LAMP (OPTIONAL)

REF.	PART NO.	DESCRIPTION	REQ'D
1	D 70115	LIGHT ASSEMBLY - flood and tail	1
2	A 25213	RETAINER - sealed beam	1
3	A 40855	LAMP - sealed beam #4409X	1
4	33686	BULB - tail #1141	1
5	NSS	SHELL - light (order D70115 light assembly).	1
6	193- 543	SCREW AND LOCKWASHER - #8 - 32 x 3/8" N.C.	1
7	A 34046	BRACKET - mounting	1
8	113- 209	BOLT - 3/8" x 1-1/2" N.C. hex	1
9	192- 21	LOCKWASHER - 3/8"	1
10	129- 103	NUT - 3/8" N.C. hex	1
11	10923	WASHER - bearing	1
12	192- 23	LOCKWASHER - 1/2"	1
13	129- 105	NUT - 1/2" N.C. hex.	1

BREAKER CONTACTS

1	NSS	LEAD - breaker contact (order from local supplier)	1
2	NSS	BRACKET - breaker contacts	1
3	V 34421	SCREW - #10 x 3/8" round head, zinc plated	4
4	KO 275182	CLIP - wire	1
5	V 34857	COVER - breaker contact	1
6	KO 220174	GASKET - cover	1
7	187- 408	SCREW - #6 x 3/8" self-tapping	1
8	173- 224	SCREW - #8 x 1/4" N.C. round head	1
9	193- 5	LOCKWASHER - #8 internal tooth	1
10	C 24135	POINT SET - breaker contact assembly.	1
11	C 23870	ROD - breaker contact push	1



1

case

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220

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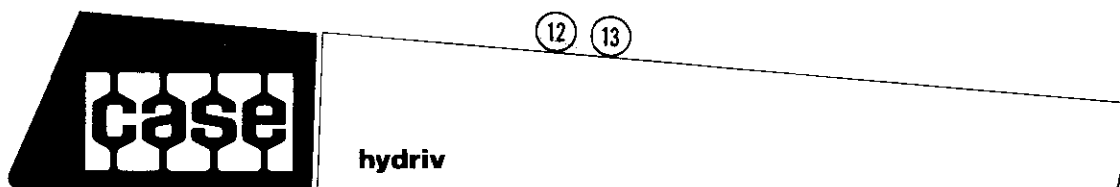
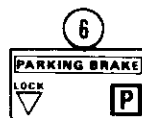
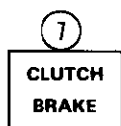
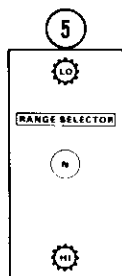
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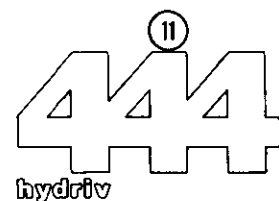
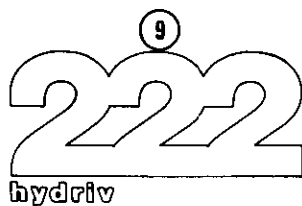
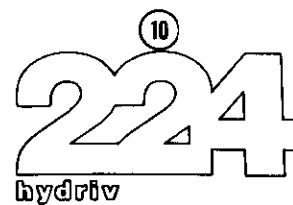
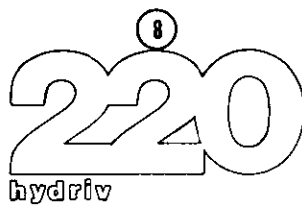
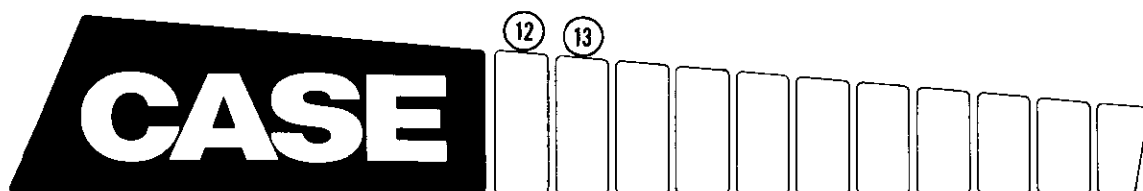
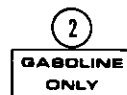
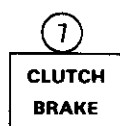
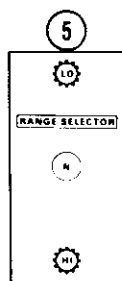
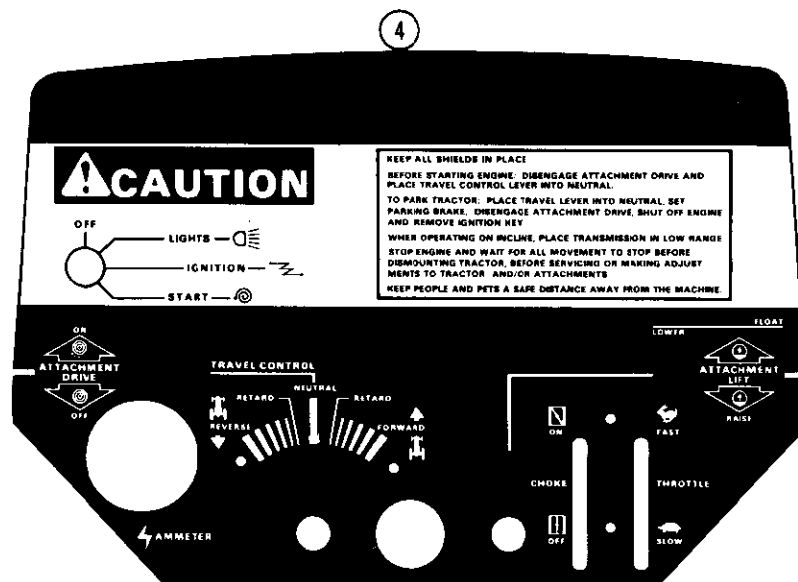
444

DECALS**USED PRIOR TO S/N:****9749188 – 220****9750875 – 222****9752340 – 224****9753695 – 444****(English)**

REF.	PART NO.	DESCRIPTION	REQ'D
1	321- 2677	DECAL - "CASE", fender	1
2	321- 18	DECAL - gasoline	1
3	321- 4767	DECAL - hydraulic reservoir	1
4	321- 3585	DECAL - instrument panel.	1
5	321- 1788	DECAL - shift range.	1
6	321- 2110	DECAL - parking brake	1
7	321- 3909	DECAL - clutch, brake.	1
8	321- 4162	DECAL - hood top, 220.	1
9	321- 4163	DECAL - hood top, 222.	1
10	321- 4164	DECAL - hood top, 224.	1
11	321- 4165	DECAL - hood top, 444.	1
12	321- 4155	DECAL - hood, R.H. (shown)	1
13	321- 4156	DECAL - hood, L.H.	1
14	321- 4147	DECAL - fender, "220"	1
15	321- 4150	DECAL - fender, "222"	1
16	321- 4151	DECAL - fender, "224"	1
17	321- 4152	DECAL - fender, "444"	1

(French and English)

2	321- 4728	DECAL - gasoline	1
3	321- 4764	DECAL - hydraulic reservoir.	1
4	321- 4734	DECAL - instrument panel	1
5	321- 4693	DECAL - shift range	1
6	321- 4697	DECAL - parking brake.	1
7	321- 4696	DECAL - clutch, brake	1



DECALS

USE S/N AND AFTER

9749188 - 220

9750875 - 222

9752340 - 224

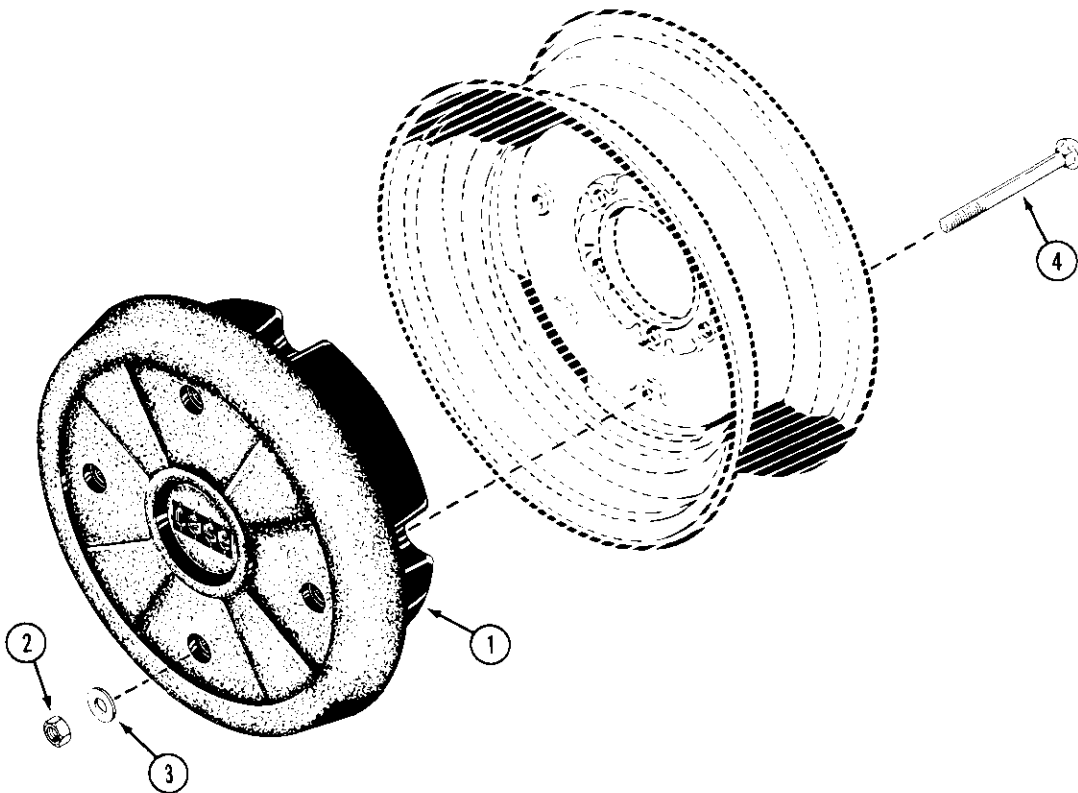
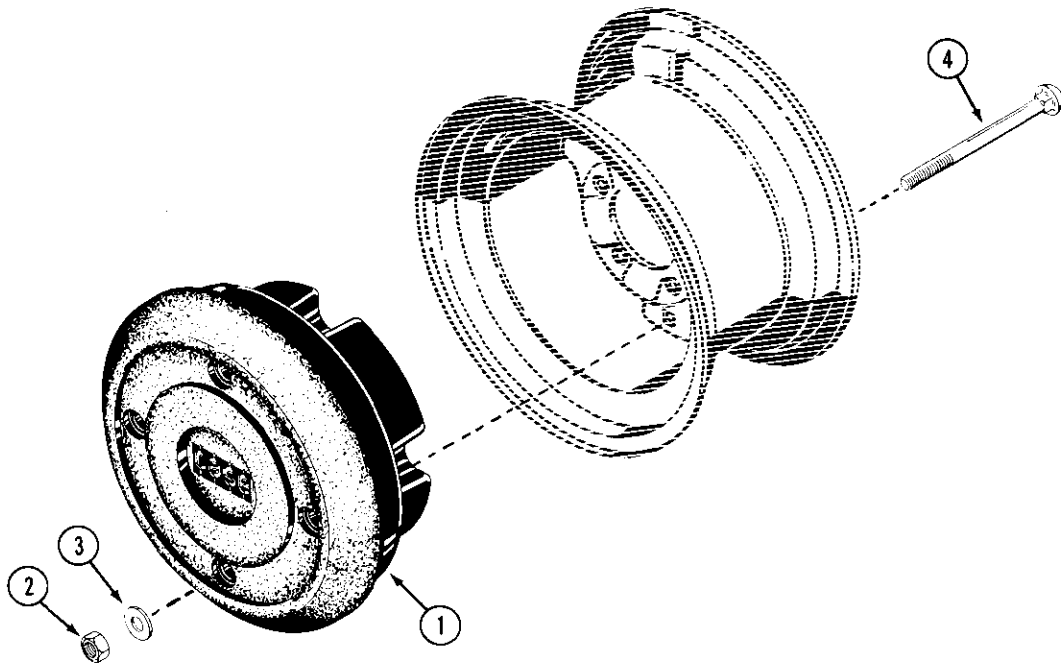
9753695 - 444

(English)

REF.	PART NO.	DESCRIPTION	REQ'D
1	321- 5097	DECAL - "Case" seat back	1
2	321- 18	DECAL - gasoline.	1
3	321- 4767	DECAL - hydraulic reservoir	1
4	321- 3585	DECAL - instrument panel	1
5	321- 1788	DECAL - shift range.	1
6	321- 2110	DECAL - parking brake	1
7	321- 3909	DECAL - clutch, brake.	1
8	321- 5103	DECAL - hood top, 220.	1
9	321- 5104	DECAL - hood top, 222.	1
10	321- 5105	DECAL - hood top, 224.	1
11	321- 5106	DECAL - hood top, 444.	1
12	321- 5100	DECAL - hood R. H. (shown)	1
13	321- 5101	DECAL - hood L. H.	1
14	321- 5040	MEDALLION - "CASE"	1

(French)

1	NSS	DECAL - "Case" seat back	1
2	321- 4728	DECAL - gasoline.	1
3	321- 4764	DECAL - hydraulic reservoir	1
4	321- 4734	DECAL - instrument panel	1
5	321- 4693	DECAL - shift range.	1
6	321- 4697	DECAL - parking brake	1
7	321- 4696	DECAL - clutch, brake.	1
8	NSS	DECAL - hood top, 220.	1
9	NSS	DECAL - hood top, 222.	1
10	NSS	DECAL - hood top, 224.	1
11	NSS	DECAL - hood top, 444.	1
12	NSS	DECAL - hood R. H. (shown)	1
13	NSS	DECAL - hood L. H.	1
14	NSS	MEDALLION - "Case"	1

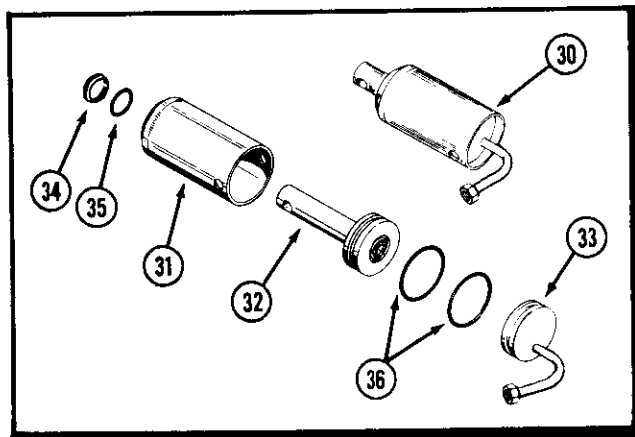
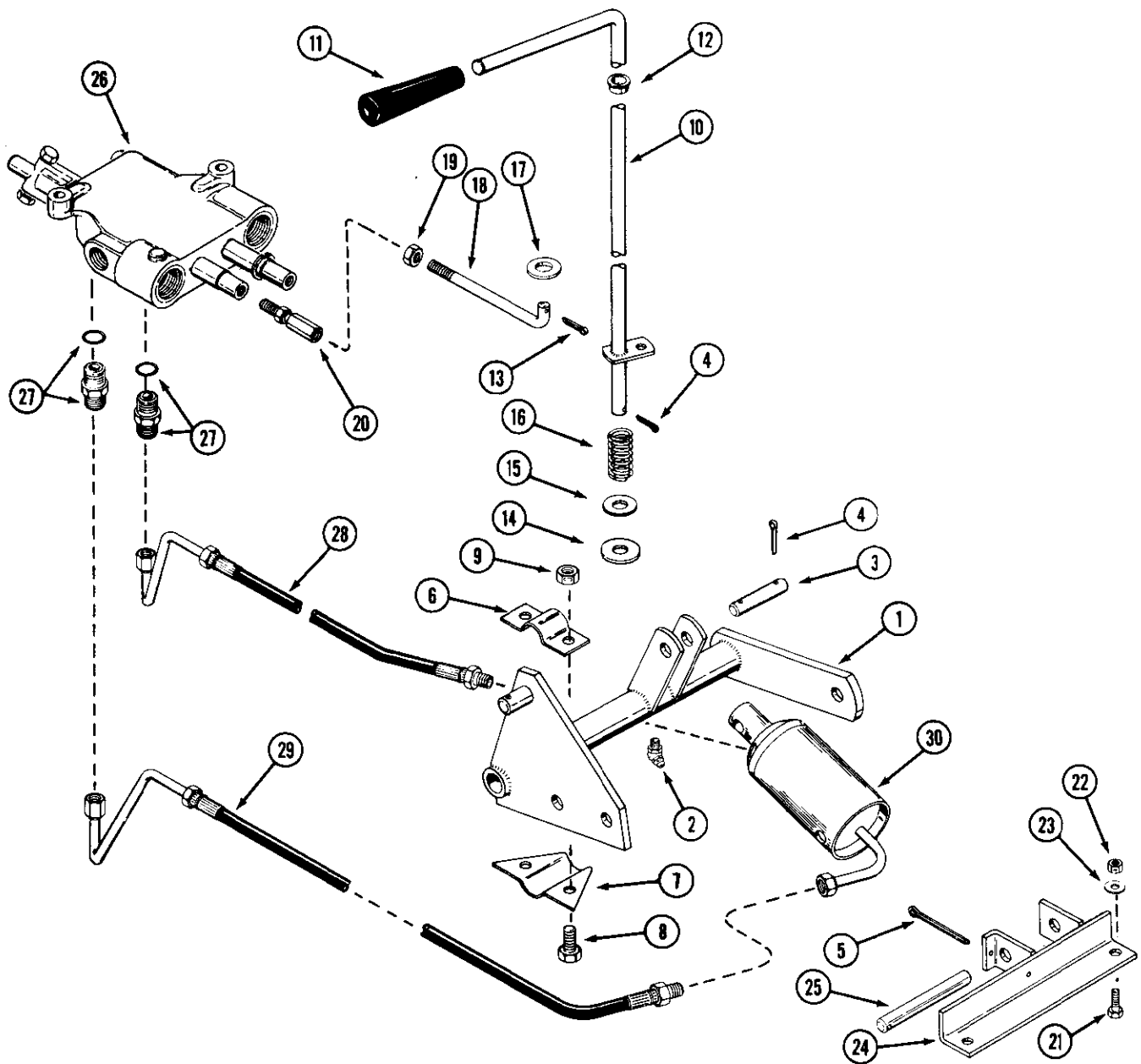


K8 WHEEL WEIGHTS — MODEL 220, 222, AND 224

REF.	PART NO.		DESCRIPTION	REQ'D
1	NSS		WEIGHT - wheel 55 lb. (Order as Machinery Item)	2
2	129	105	NUT - 1/2" NC hex	4
3	195	533	WASHER - 1/2"	4
4	111	521	BOLT - 1/2" x 7" Rd. head Sq. neck	4

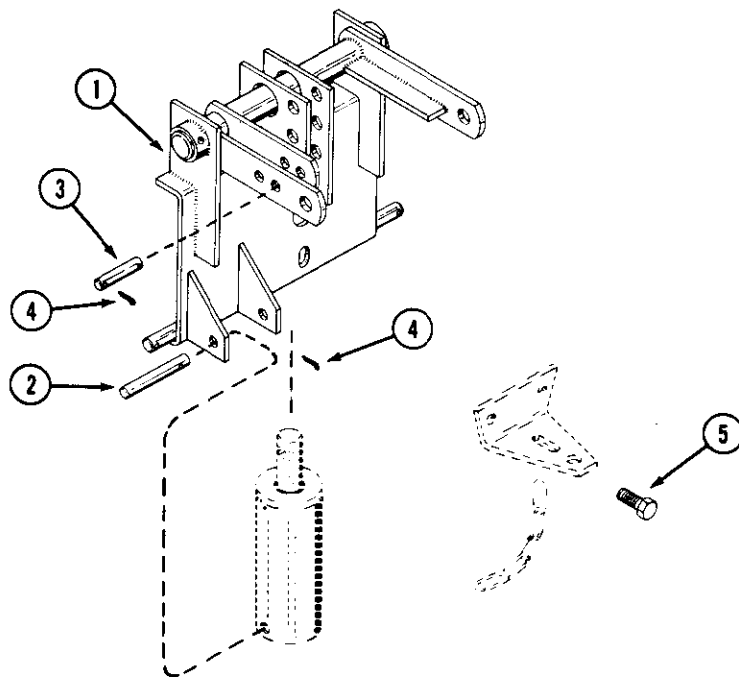
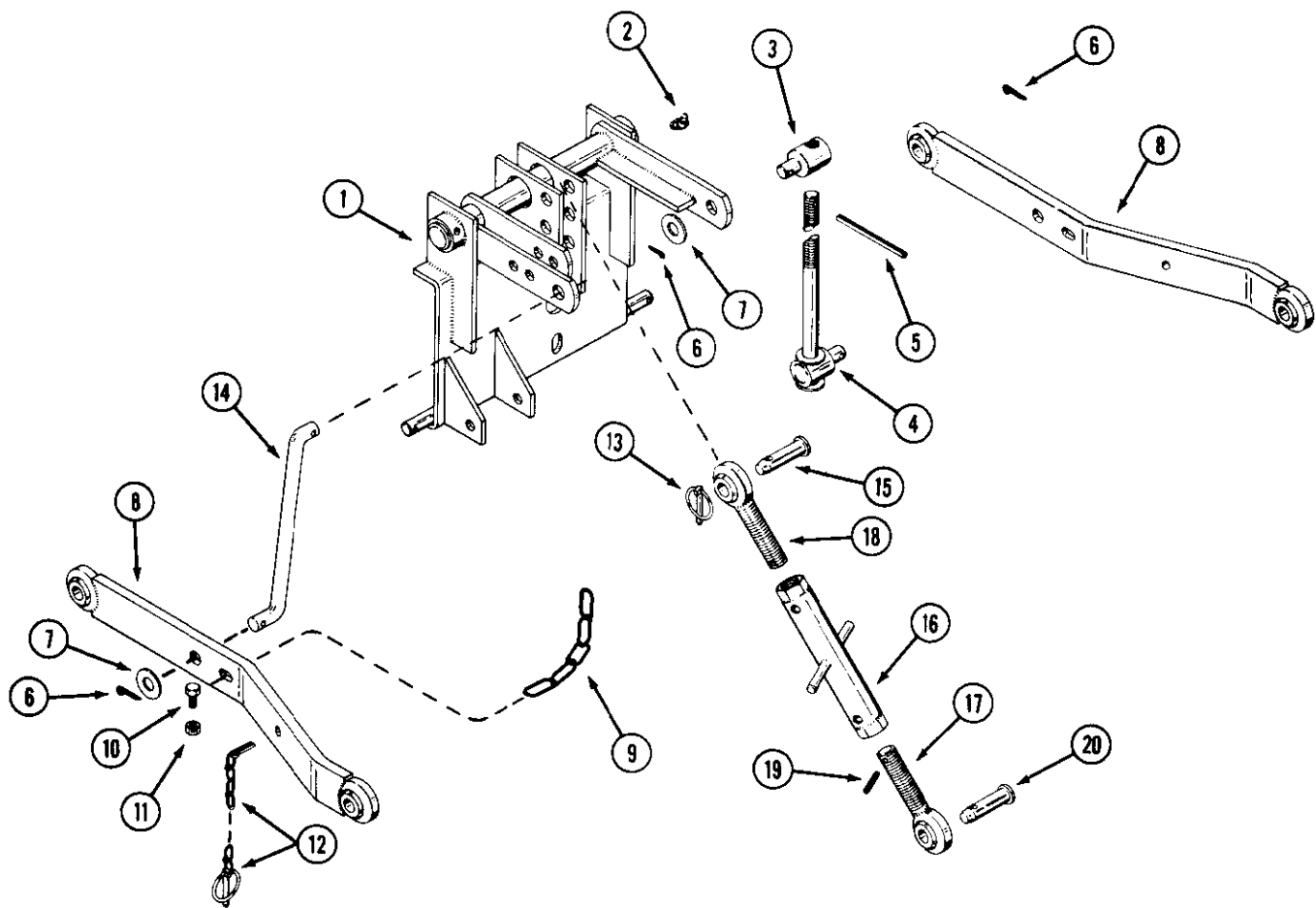
K10 WHEEL WEIGHTS — MODEL 444

1	NSS		WEIGHT - wheel 75 lb. (Order as Machinery Item)	2
2	129	105	NUT - 1/2" NC hex	4
3	195	533	WASHER - 1/2"	4
4	111	525	BOLT - 1/2" x 6" Rd. head Sq. neck	4



MODEL J30 HYDRAULIC LIFT

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 18808	CROSS SHAFT ASSEMBLY	1
2	219- 404	FITTING - lube	1
3	C 18251	PIN - cylinder to lever	1
4	132- 310	PIN - cotter 1/8" x 1"	3
5	132- 361	PIN - cotter 1/8" x 2-1/2"	1
6	C 17249	BRACKET - mounting, top	2
7	C 17250	BRACKET - mounting, bottom	2
8	113- 207	BOLT - 3/8" x 1" NC hex	4
9	131- 1181	NUT - 3/8" NC hex	4
10	C 16163	LEVER - lift control	1
11	A 37247	KNOB - control lever	1
12	C 12093	BUSHING - lift lever	1
13	132- 320	PIN - cotter 3/32" x 3/4"	1
14	195- 533	WASHER - 1/2"	1
15	C 21518	WASHER - nylon	1
16	C 17612	SPRING - control lever	1
17	195- 521	WASHER - 5/16"	1
18	C 18742	ROD - control	1
19	129- 122	NUT - 5/16 NF hex	1
20	C 19025	BALL JOINT	1
21	113- 207	BOLT - 3/8" x 1" NC hex	2
22	131- 1181	LOCKNUT - 3/8" NC hex	2
23	195- 104	WASHER - 3/8" x 1-1/8" OD	2
24	C 18810	BRACKET - cylinder	1
25	C 17536	PIN - cylinder foot	1
26	C 21496	VALVE - hydraulic, 2 spool	1
27	218- 5056	FITTING - valve (includes 218-5004 "O" ring)	2
28	C 17224	HOSE - short	1
29	C 17734	HOSE - long	1
30	NSS	CYLINDER - lift (order (1) C19475 and (1) C17579)	1
31	C 16133	BODY - cylinder	1
32	C 19104	ROD AND PISTON ASSEMBLY	1
33	C 17732	FOOT - cylinder	1
34	NSS	SEAL	1
35	NSS	"O" RING	1
36	NSS	"O" RING	2
	C 17268	KIT - seal, cylinder (consists of items 34, 35, and 36)	1
	C 13106	COVER - lube fitting	1

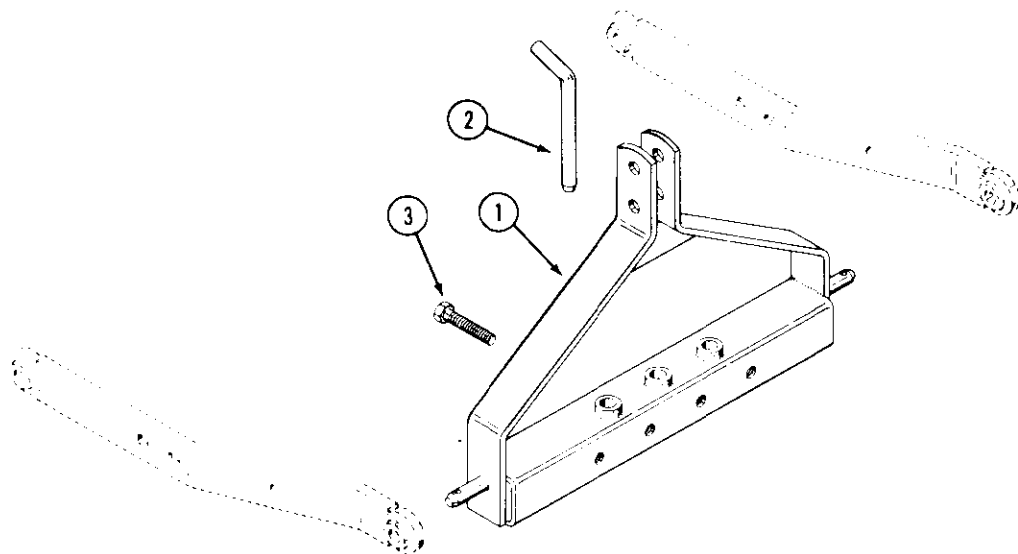
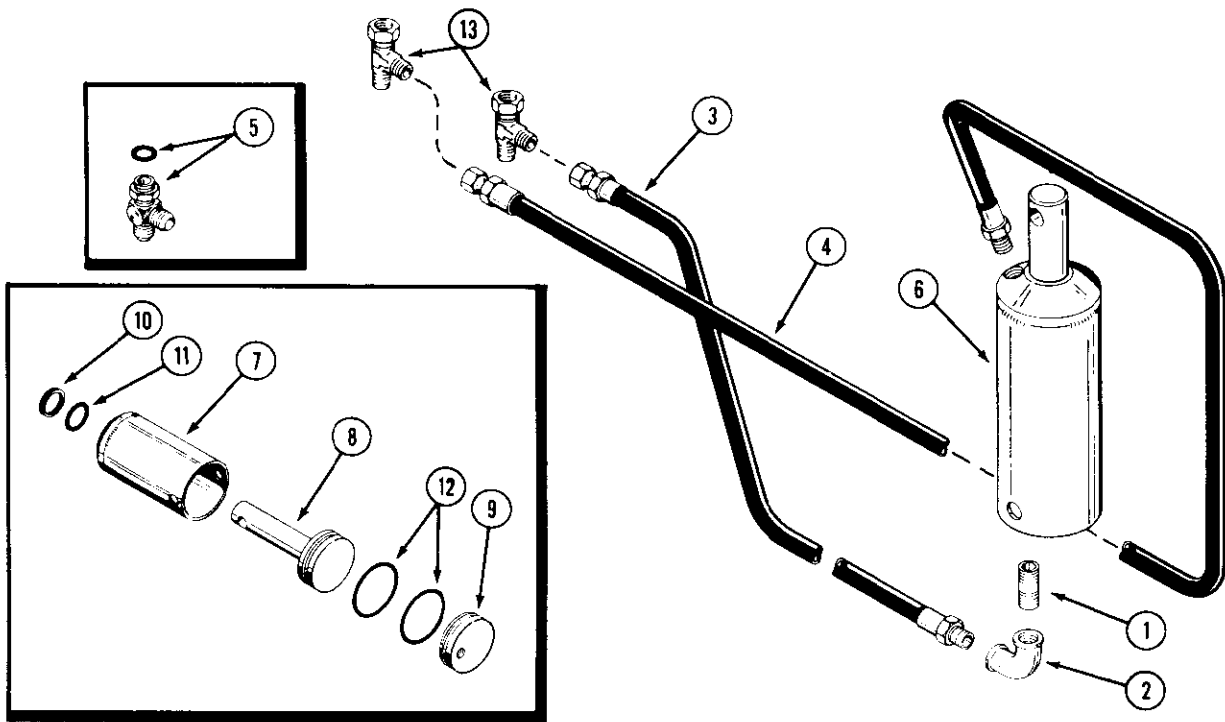


H26 AND J26 THREE POINT HITCH FRAME, LIFT RODS AND ARMS

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 19740	HITCH PLATE ASSEMBLY	1
2	219- 405	FITTING - lube	2
	C 24447	ROD ASSEMBLY - lift R.H.	1
3	C 14722	NUT - lift rod	1
4	C 14724	ROD ASSEMBLY - R.H. lift	1
5	138- 308	PIN - roll 1/4 x 3"	1
6	132- 91	PIN - cotter 3/16 x 1"	6
7	195- 541	WASHER - plain 5/8"	4
8	C 14715	ARM - lift	2
9	C 14991	CHAIN - stay 19 links	1
10	113- 118	BOLT - 5/16 x 5/8" hex, zinc plated	2
11	131- 176	NUT - lock 5/16" NC hex	2
12	B 52118	PIN - klik	2
13	A 30338	PIN - klik	3
14	C 14725	ROD - lift L.H.	1
15	C 14717	PIN - clevis	1
	C 14712	LINK ASSEMBLY	1
16	C 14703	CENTER TUBE ASSEMBLY	1
17	C 14709	BALL END ASSEMBLY R.H. THREAD	1
18	C 14710	BALL END ASSEMBLY L.H. THREAD	1
19	138- 59	PIN - roll 1/8 x 7/8"	2
20	C 16128	PIN - clevis 5/8 x 3"	1

H26 AND J26 THREE POINT HITCH CYLINDER AND DRAWBAR MOUNTING

1	C 19740	HITCH PLATE ASSEMBLY	1
2	C 14975	PIN - lower cylinder mounting	1
3	C 14976	PIN - upper cylinder mounting	1
4	132- 310	PIN - cotter 1/8 x 1"	3
5	113- 417	BOLT - 1/2 x 1-1/4" NC, hex, zinc plated	2

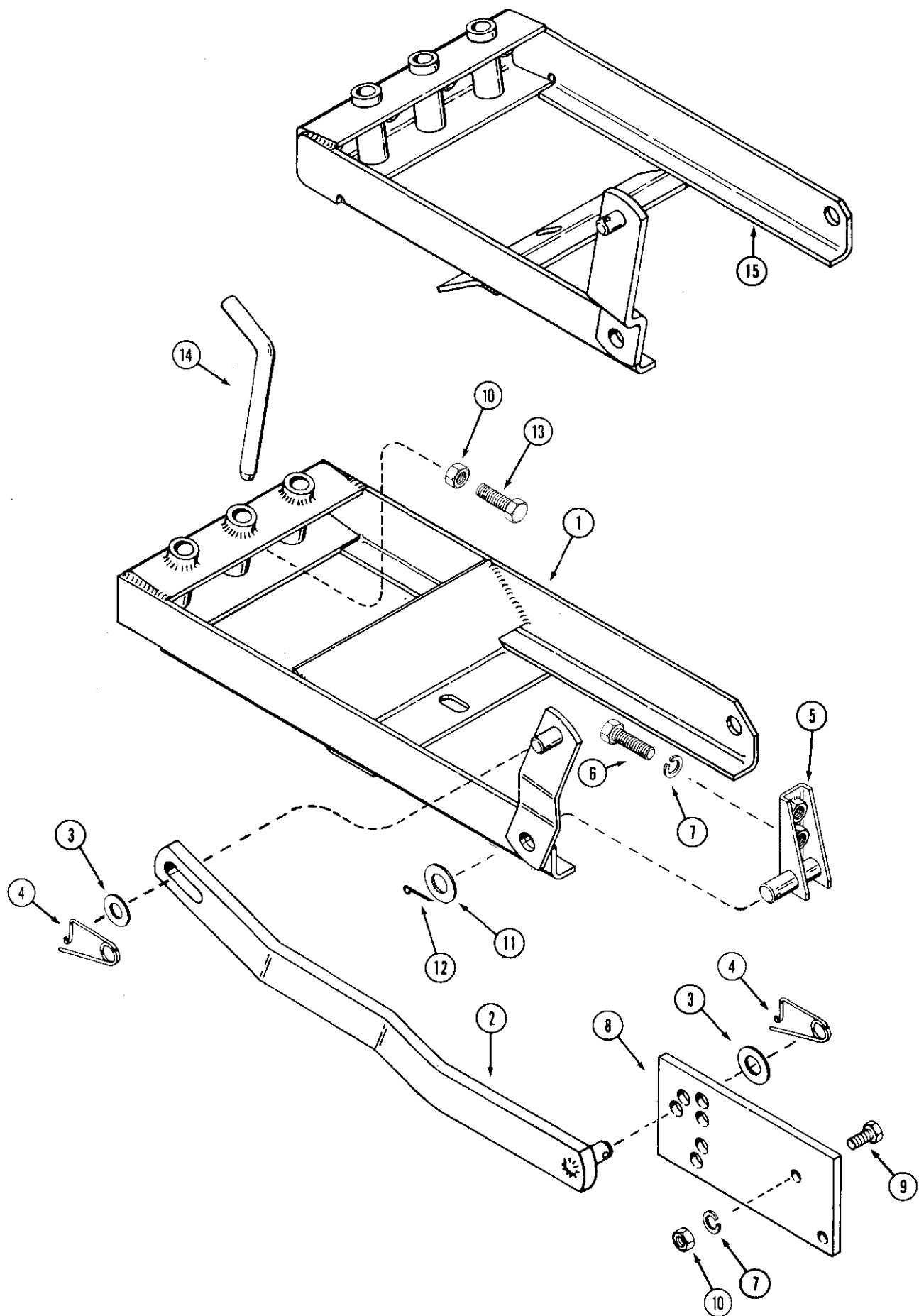


MODEL H26 AND J26 THREE POINT HITCH AND HYDRAULIC CONNECTIONS AND COMPONENTS

REF.	PART NO.		DESCRIPTION	REQ'D
1	221-	1139	NIPPLE - 1/4 x 3"	1
2	221-	1375	ELBOW - 90°	1
3	C	25369	HOSE - hydraulic short	1
4	C	25368	HOSE - hydraulic long	1
5	218-	5291	FITTING - tee (Includes 218-5004 "O" ring) (early production)	2
6	NSS		CYLINDER ASSEMBLY - (order (1) C19480 and (1) C19481)	1
7	C	19476	BODY - cylinder	1
8	C	19469	ROD AND PISTON ASSEMBLY.	1
9	C	14692	FOOT - cylinder	1
10	C	14970	SEAL - wiper	1
11	A	7623	"O" RING	1
12	A	30971	"O" RING	2
13	218-	5479	FITTING - tee, swivel (late production)	2

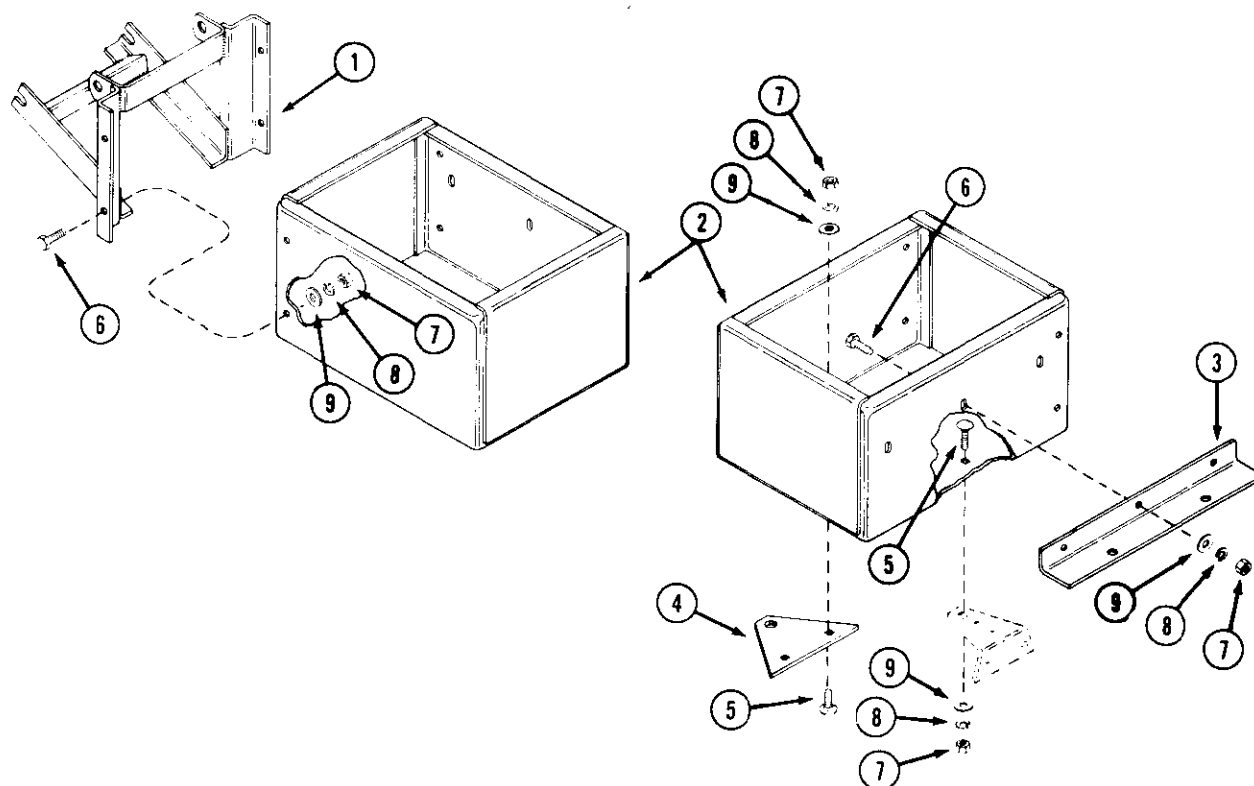
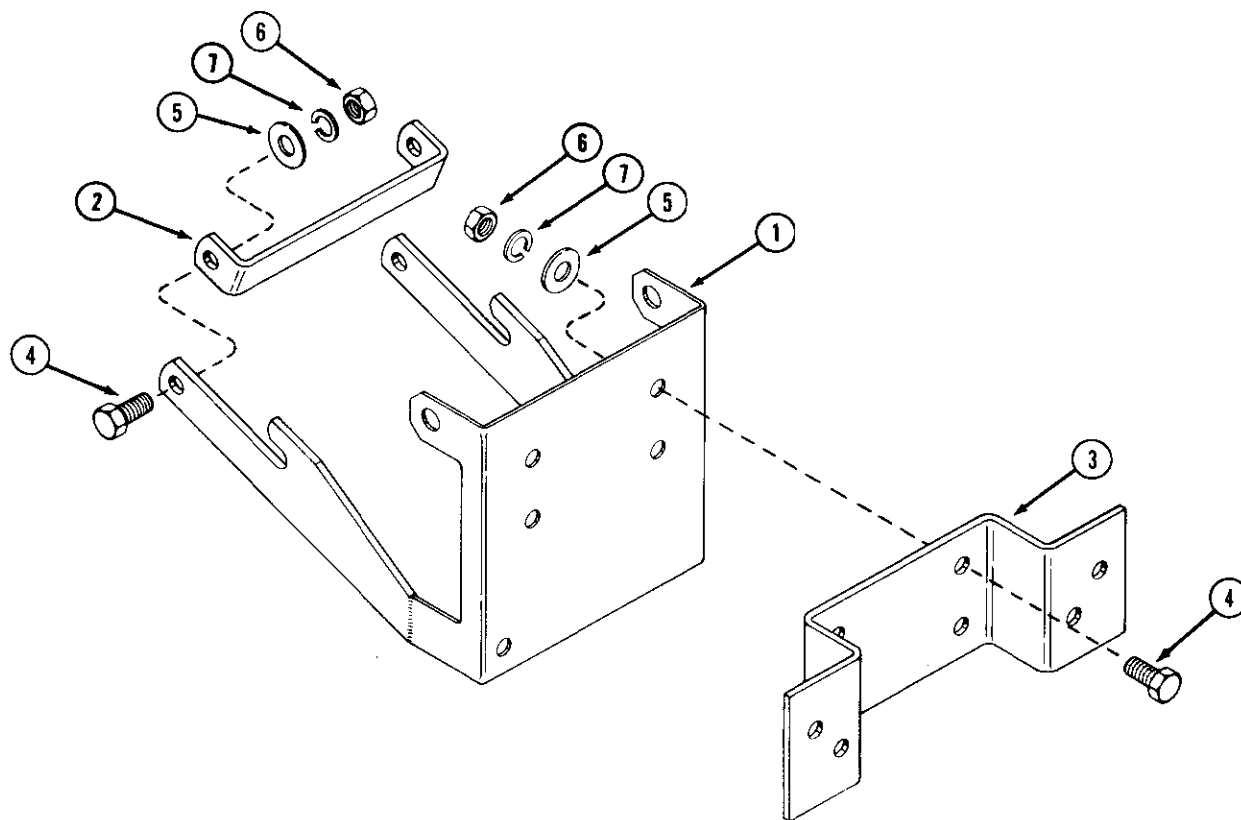
MODEL F-27 HITCH ADAPTER

1	C	14872	BRACKET - hitch adapter	1
2	C	14568	PIN - drawbar	1
3	113-	425	BOLT - 1/2 x 3" NC hex, zinc plated	4



MODEL J22, J24, K22 AND K24 SLEEVE HITCH

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 22218	HITCH FRAME ASSEMBLY (444) (J24, K24)	1
2	C 14457	ARM - lift (J22, J24)	1
2	C 25371	ARM - lift (K22, K24)	1
3	195- 541	WASHER - plain 21/32"	2
4	C 10898	PIN - safety	2
5	C 14459	BRACKET - hitch mounting R.H. shown	1
5	C 14460	BRACKET - hitch mounting L.H.	1
6	113- 410	BOLT - 1/2 x 1-1/2" NC hex, zinc plated	4
7	192- 23	LOCKWASHER - 1/2" zinc plated	6
8	C 25382	PLATE - lift lever	1
9	113- 417	BOLT - 1/2 x 1-1/4" NC hex, zinc plated	2
10	129 105	NUT - 1/2" NC hex, zinc plated	4
11	195- 545	WASHER - plain 3/4" zinc plated	2
12	132- 306	PIN - cotter 3/16 x 1-3/4"	2
13	113- 476	BOLT - 1/2 x 2-3/4" NC hex, zinc plated	2
14	C 14568	PIN - drawbar	1
15	C 23707	HITCH FRAME ASSEMBLY (220, 222 and 224) (J22, K22)	1

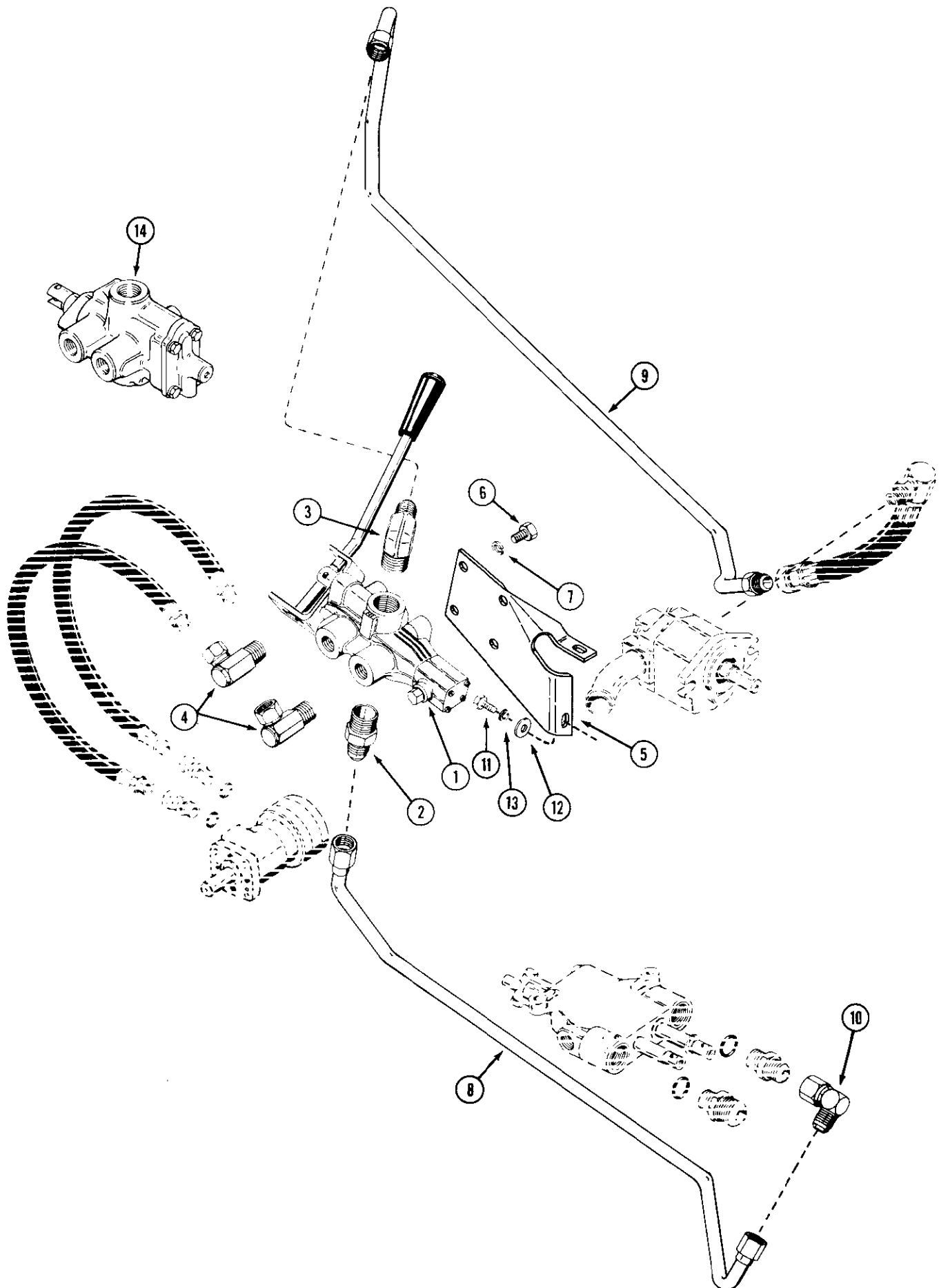


MODEL K18 FRONT END WEIGHT BRACKETS

REF.	PART NO.		DESCRIPTION	REQ'D
1	C	16581	BRACKET - mounting	1
2	C	17161	BRACE - rear	1
3	C	17162	BRACKET - weight mounting.	1
4	113-	417	BOLT - 1/2 x 1-1/4" NC hex, zinc plated	6
5	195-	533	WASHER - 1/2" zinc plated	8
6	25-	108	NUT - 1/2" NC hex, zinc plated	8
7	192-	23	LOCKWASHER - 1/2"	8

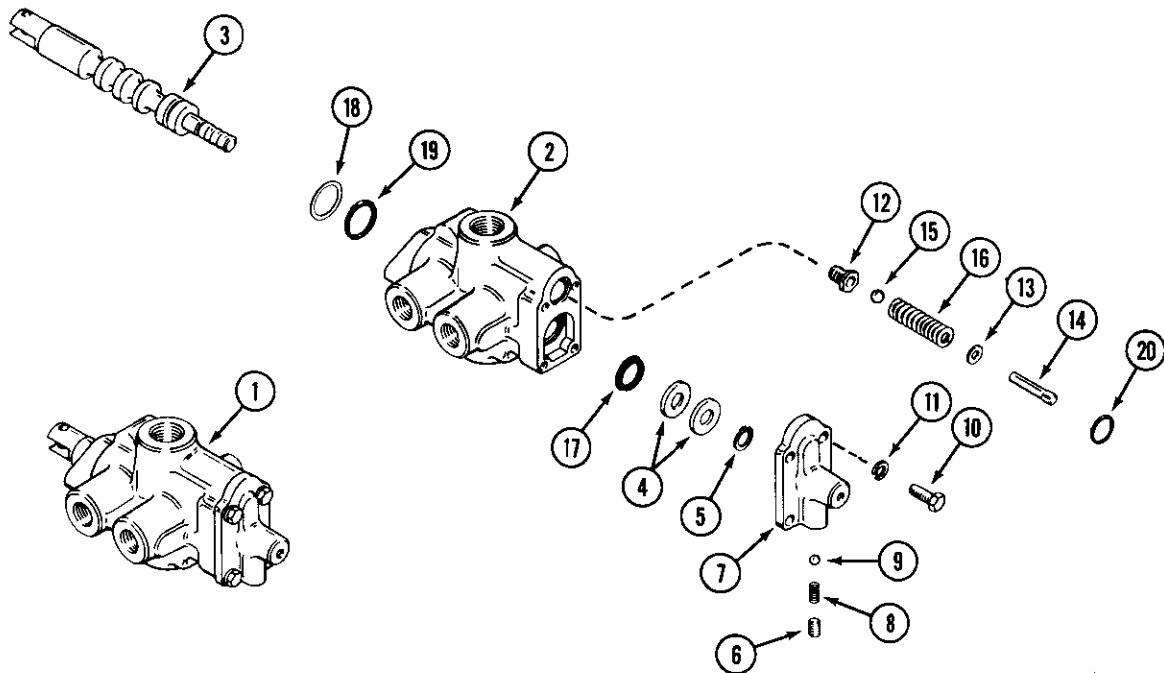
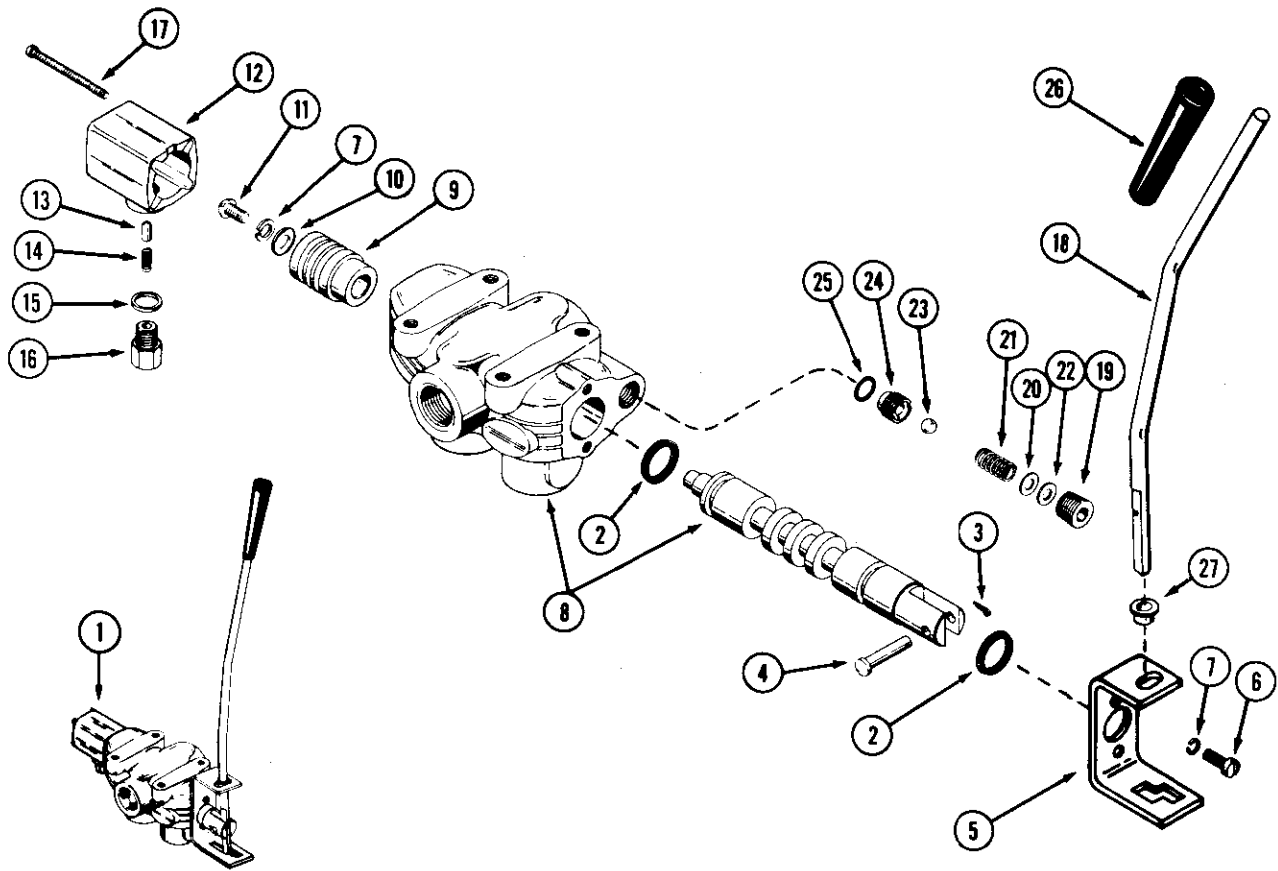
MODEL H13 WEIGHT BOX

1	C	17859	FRAME - weight box	1
2	C	17863	BOX - weight	1
3	C	17860	SUPPORT - weight box	1
4	C	17636	PLATE - hitch	1
5	111-	317	BOLT - 3/8" x 1" round head, square neck	3
6	113-	207	BOLT - 3/8" x 1" NC hex	4
7	129-	103	NUT - 3/8" NC hex	7
8	192-	21	LOCKWASHER - 3/8"	7
9	195-	525	WASHER - 3/8"	7



J17, K17 AND L17 HYDRAULIC PTO KIT

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 18281	VALVE - PTO control (J17, L17)	1
2	218- 457	FITTING - straight 3/4" NPT x 5/8" tube.	1
3	218- 494	FITTING - elbow 90° 3/4" NPT x 5/8" tube	1
4	218- 927	FITTING - elbow 90° 1/2" NPT x 1/2" female NPSM swivel	2
5	C 23337	BRACKET - valve mounting	1
6	113- 206	BOLT - 3/8" hex NC x 3/4"	4
7	192- 21	LOCKWASHER - 3/8"	4
8	C 23888	TUBE - PTO valve to travel control valve (J17, K17)	1
8	C 25343	TUBE - PTO valve to travel control valve (L17)	1
9	C 25344	TUBE - pump to PTO valve (L17)	1
9	C 23962	TUBE - pump to PTO valve (J17, K17).	1
10	218- 5232	FITTING - 90° swivel elbow 3/4" x 3/4" flare 3/4" NPT x 5/8" tube	1
11	113- 103	BOLT - 5/16" x 1" NC hex	3
12	195- 521	WASHER - 5/16"	3
13	192- 20	LOCKWASHER - 5/16"	3
14	NSS	VALVE - control (K17) (use C18281)	1

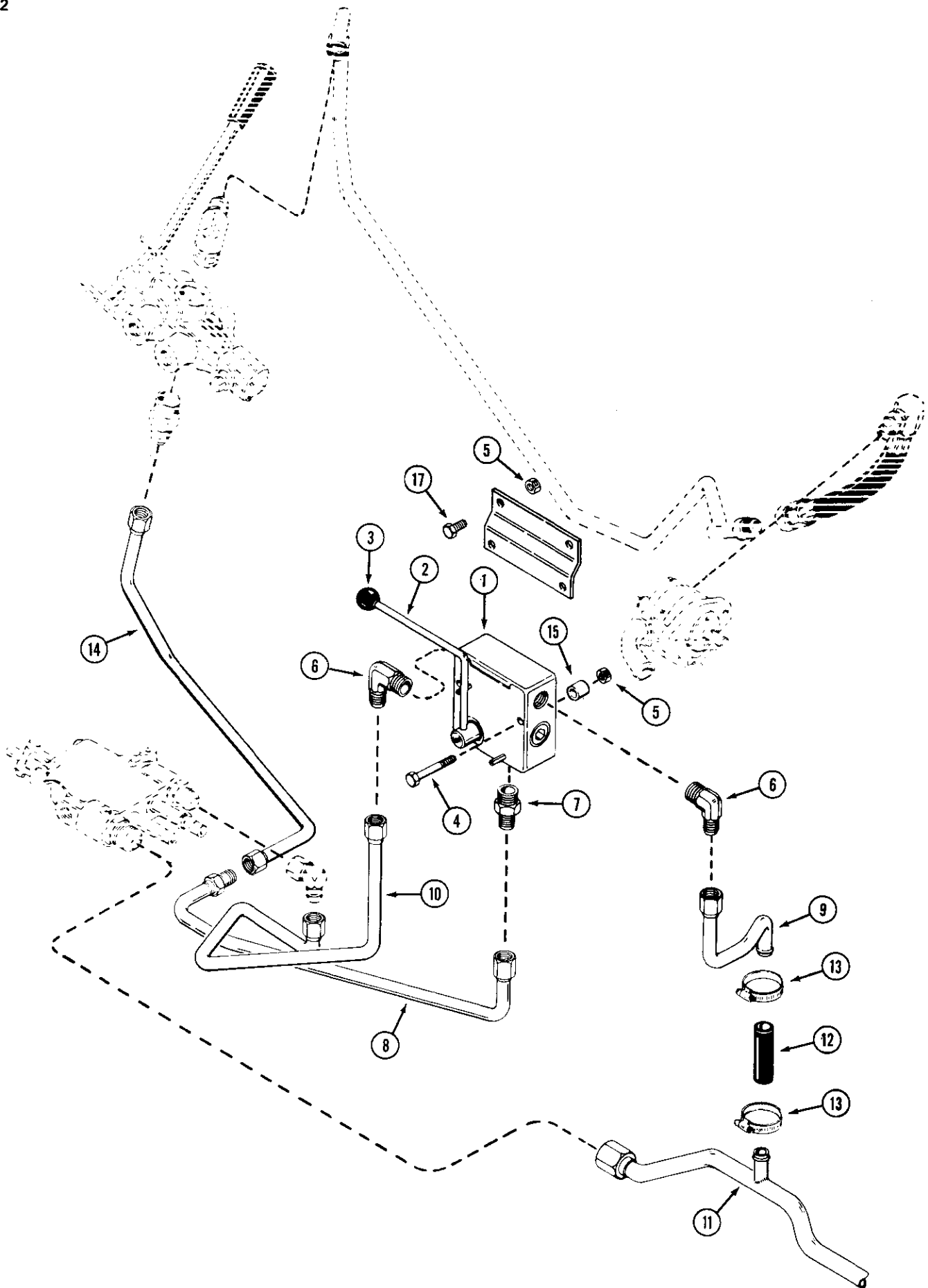


J17 AND L17 HYDRAULIC PTO VALVE J17, K17 AND L17 LEVER ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 18281	VALVE - control	1
2	C 11891	SEAL - U-cup	2
3	132- 5	PIN - cotter 1/16" x 1/2"	1
4	36627	PIN - handle	1
5	C 19422	BRACKET - handle	1
6	71- 410	SCREW - 1/4" x 5/8" NC fillister head	2
7	36628	LOCKWASHER - 1/4"	3
8	NSS	BODY AND SPOOL ASSEMBLY (use C18281 valve)	1
9	C 11895	ADAPTER - spool	1
10	95- 4	WASHER - plain 1/4"	1
11	75- 48	SCREW - 1/4" x 1/2" rd. hd. machine	1
12	C 11893	BONNET - detent	1
13	C 11901	PIN - detent	1
14	C 11892	SPRING - detent	1
15	C 11886	WASHER - detent spring	1
16	C 11887	CAP - detent	1
17	169- 108	SCREW - bonnet #8-32 x 1-1/4" fillister head	4
18	C 19423	LEVER - valve	1
19	221- 842	PLUG - relief 3/8" NPT	1
20	D 39712	SHIM - .010" thick	UAR
21	T 40189	SPRING - relief	1
22	A 55894	SHIM - .020" thick	UAR
23	211- 11	BALL - relief 3/8"	1
24	C 18417	SEAT - relief	1
25	A 27891	"O" RING - relief seat	1
26	A 37247	KNOB - hand throttle	1
27	C 12127	BUSHING - nylon	1

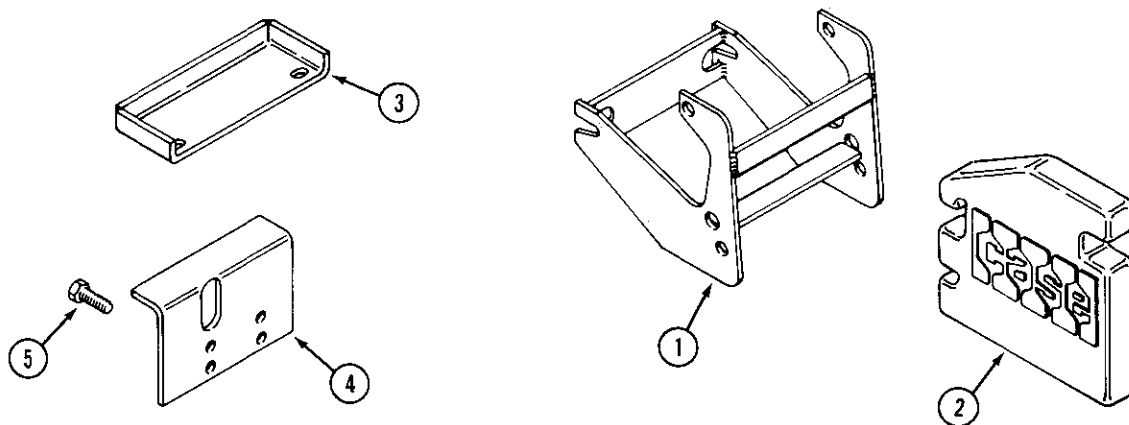
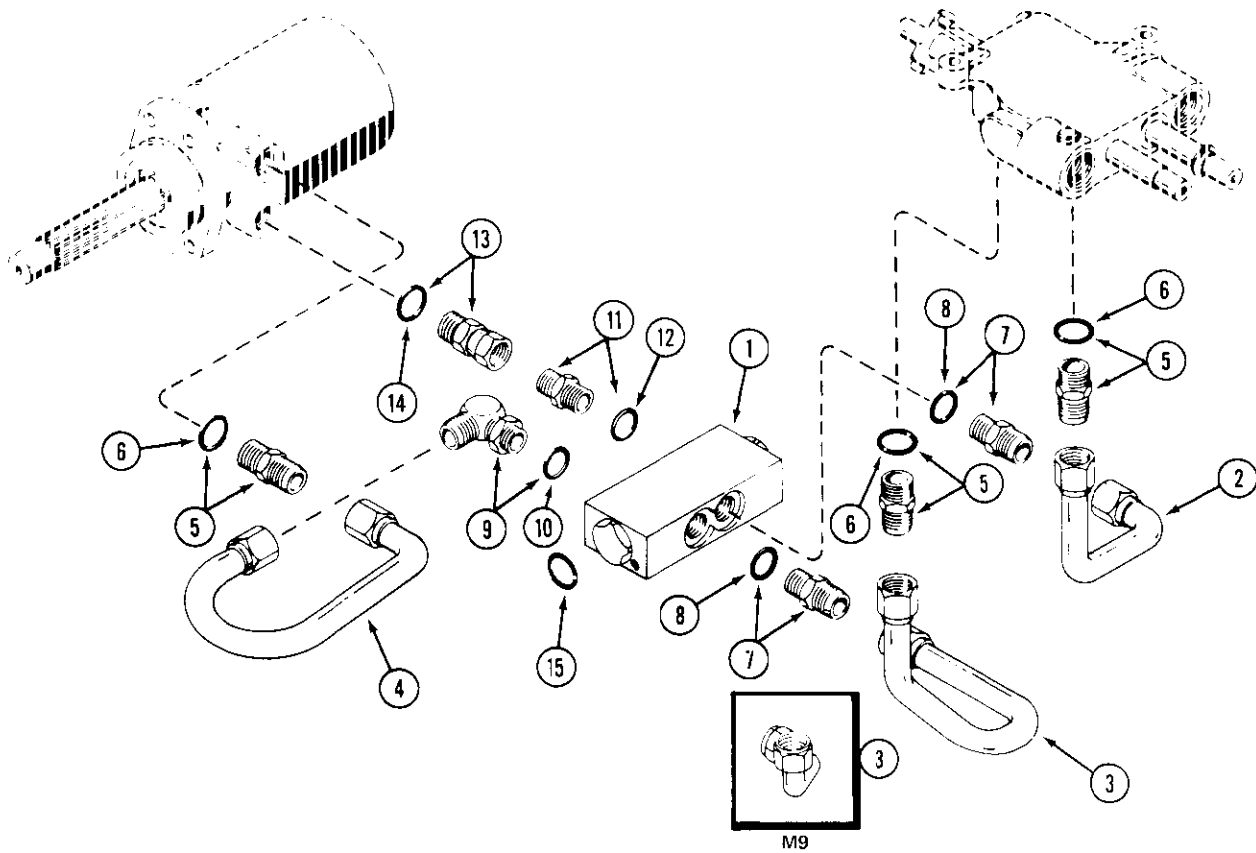
K-17 HYDRAULIC PTO VALVE

1	NSS	VALVE - control (use C18281 valve)	1
2	NSS	BODY - valve (order C18281 valve)	1
3	NSS	SPOOL - valve (order C18281 valve)	1
4	195- 533	WASHER - spool	2
5	H 202416	RETAINER - spool	1
6	173- 38	SCREW - set	1
7	C 24984	COVER - detent and relief	1
8	C 24986	SPRING - detent	1
9	211- 7	BALL - detent, 1/4" steel	1
10	113- 3	BOLT - 1/4" - 20 x 3/4" hex	4
11	192- 19	LOCKWASHER - 1/4"	4
12	H 35592	SEAT - relief	1
13	C 24989	SHIM - pressure adjust	1
14	C 24985	PIN - limit	1
15	211- 103	BALL - relief, 5/16" steel	1
16	C 24988	SPRING - relief	1
17	C 24983	V-PACKING	1
18	C 24987	WASHER - backup	1
19	L 32176	"O" RING	1
20	A 15888	"O" RING	1



MODEL L19 AND M19 FLOW CONTROL VALVE KIT

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 23618	VALVE - flow control	1
	A 27365	"O" RING - shaft 3/4" x 15/16"	2
	F 62023	RING - retaining - shaft .867 I.D.	2
2	C 18720	LEVER - valve	1
3	A 61683	KNOB - lever	1
4	113- 12	BOLT - 1/4" x 2-1/2" NC hex (L19)	2
4	113- 15	BOLT - 1/4" - 20 x 2-1/4" NC hex (M19)	2
5	131- 1180	NUT - lock 1/4" NC hex	4
6	218- 485	FITTING - elbow 90° 1/2" NPT	2
7	218- 445	FITTING - straight 1/2" NPT	1
8	C 25390	TUBE - flow control valve to tube	1
9	C 23407	TUBE - bypass to return line	1
10	C 23600	TUBE - valve to tractor valve	1
11	C 19405	TUBE - heat exchanger	1
12	C 18721	HOSE - return	1
13	214- 6	CLAMP - hose	2
14	C 25392	TUBE - PTO valve to tube (M19)	1
14	C 23879	TUBE - PTO valve to tube (L19)	1
15	C 21592	SPACER - (L19)	2
16	C 25391	PLATE - adapter (M19)	1
17	113- 2	BOLT - 1/4" - 20 x 5/8" NC hex (M19)	2
	C 18719	DECAL - valve, "slow - fast" (English)	1
	321- 4699	DECAL - valve, "slow - fast" (French)	1



L7 HOLDING VALVE (220, 222 AND 224 ALL)

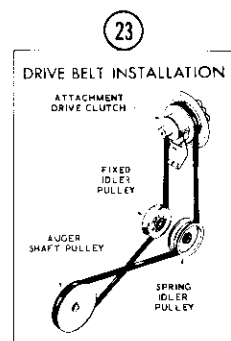
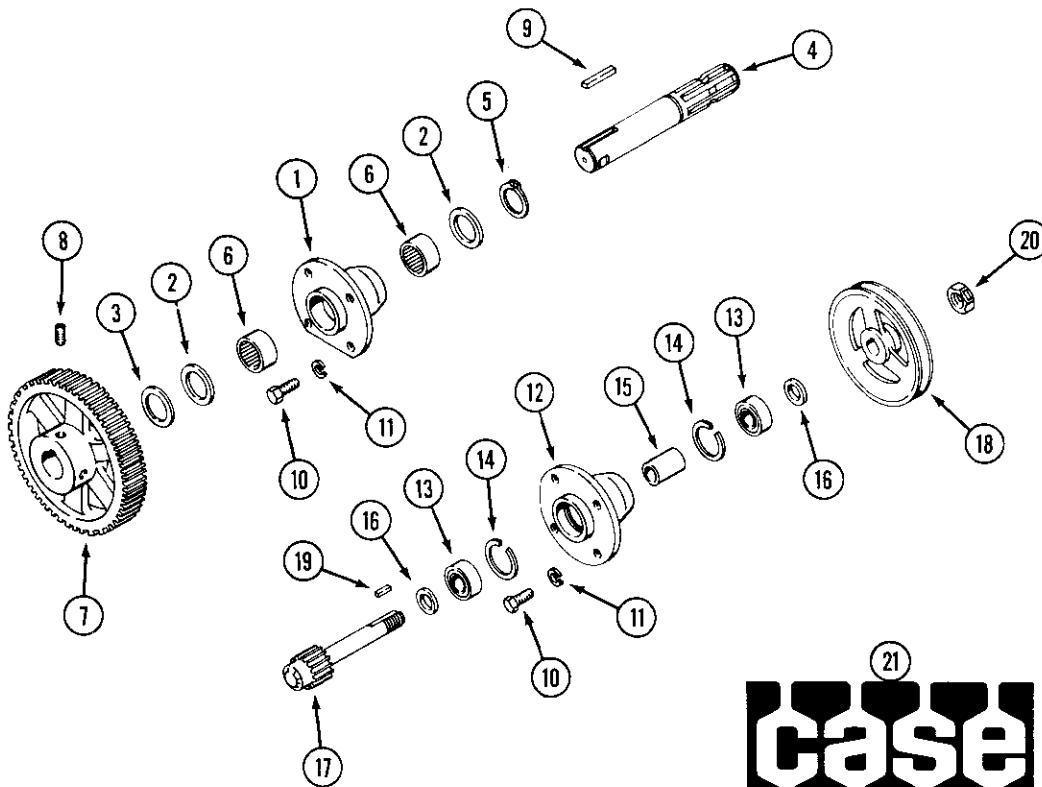
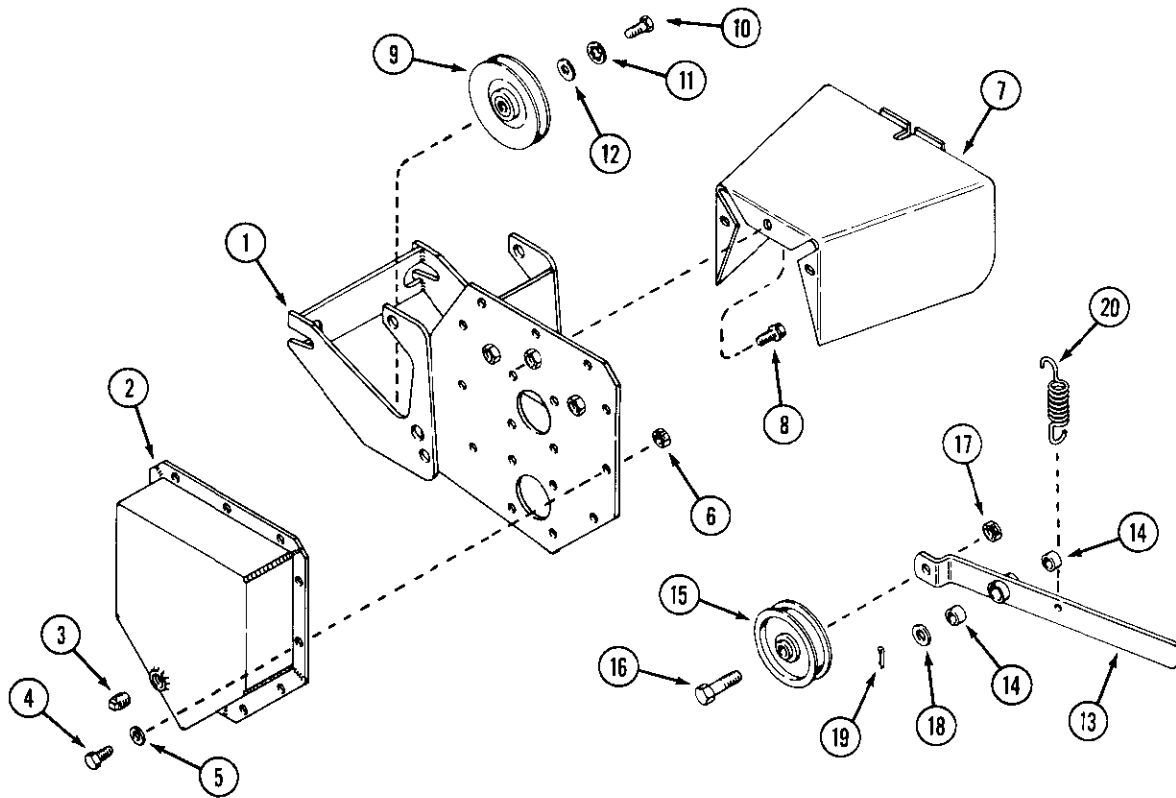
L9 HOLDING VALVE (444 BEFORE S/N 9766840)

M9 HOLDING VALVE (444 S/N 9766840 AND AFTER)

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 24995	VALVE - holding (includes "O" ring)	1
2	C 24990	TUBE - valve to valve (L-7)	1
2	C 24992	TUBE - valve to valve (L-9)	1
2	C 25341	TUBE - valve to valve (M9)	1
3	C 25342	TUBE - valve to valve (M9)	1
3	C 24991	TUBE - valve to valve (L-7)	1
3	C 24993	TUBE - valve to valve (L-9)	1
4	C 24994	TUBE - valve to motor	1
5	218- 5062	CONNECTOR - straight, male	3
6	218- 5007	"O" RING	1
7	218- 5066	CONNECTOR - straight, male	2
8	218- 5006	"O" RING	1
9	218- 5117	ELBOW - adjustable	1
10	218- 5006	"O" RING	1
11	218- 5404	CONNECTOR - straight, male	1
12	218- 5006	"O" RING	1
13	218- 5251	CONNECTOR - straight, male/female swivel	1
14	218- 5007	"O" RING	1
	A 7623	"O" RING - end caps	2

L11 WEIGHT KIT

1	C 25572	BRACKET - mounting, front	1
2	C 25574	WEIGHT - 40 lb. (18 kg)	4
3	C 25791	BRACKET - mounting, rear, upper	1
4	C 25792	BRACKET - mounting, rear, lower	1
5	113- 417	BOLT - 1/2" - 13 x 1-1/4" hex	2



L29 PTO MOUNTING FRAME, SHIELD, IDLERS AND GEAR COVER

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 25800	FRAME - mounting	1
2	C 25815	COVER - gear.	1
3	221- 4	PLUG - oil	1
4	113- 3	BOLT - 1/4" - 20 x 3/4" hex	9
5	195- 521	WASHER - 5/16"	9
6	131- 1180	NUT - 1/4" - 20 hex.	9
7	C 25817	SHIELD - PTO.	1
8	121- 106	BOLT - 5/16" - 18 x 1/2", special	3
9	C 25370	PULLEY - "V" groove	1
10	113- 206	BOLT - 3/8" - 16 x 3/4"	1
11	193- 68	LOCK WASHER - special.	1
12	195- 103	WASHER - 3/8"	1
13	C 25822	ARM - idler	1
14	R 30880	BUSHING - sleeve	2
15	F 51571	PULLEY - flat idler	1
16	113- 412	BOLT - 1/2" - 13 x 1-3/4" hex	1
17	131- 165	NUT - 1/2" lock, hex.	1
18	195- 541	WASHER - 5/8"	1
19	132- 318	PIN - cotter 5/32" x 1"	1
20	C 16870	SPRING - tension.	1

L29 SPINDLES, DECALS AND BELT

1	C 25806	HOUSING - PTO shaft	1
2	C 25807	WASHER - thrust	2
3	195- 2131	WASHER - spacer	1
4	C 25808	SHAFT - spline.	1
5	A 7409	RING - retainer.	1
6	C 25828	BEARING - roller.	2
7	C 25814	GEAR - driven	1
8	83- 68	SET SCREW - 3/8"	2
9	B 18323	KEY - 5/16" x 2"	1
10	113- 206	BOLT - 3/8" - 16 x 3/4" hex	8
11	192- 21	LOCK WASHER - 3/8"	8
12	C 17666	HOUSING - spindle	1
13	A 70280	BEARING	2
14	A 63279	RING - retaining.	2
15	C 10810	SPACER - bearing.	1
16	C 25541	WASHER - spacer.	2
17	C 25810	SPINDLE - input	1
18	C 25813	PULLEY - spindle.	1
19	H 61168	KEY - 3/16" square x 7/8"	1
20	131- 1331	NUT - 3/4" - 16 lock, hex.	1
21	321- 1571	DECAL - "Case"	1
22	321- 3710	DECAL - "Warning"	1
23	C 17462	DECAL - drive belt.	1
	C 23539	BELT - drive (444, 446, 448)	1
	C 23538	BELT - drive (210, 220, 222, 224)	1

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A	27891	81	25	C	12560	47	32	C	14715	71	8
A	30064	43	10	C	12713	47	2	C	14717	71	15
A	30095	49	34	C	12718	47	36	C	14722	71	3
A	30338	71	13	C	12723	47	10	C	14724	71	4
A	30881	39	10	C	12725	47	21	C	14725	71	14
A	30881	39	11	C	12965	47	38	C	14728	37	22
A	34046	63	7	C	12975	39	9	C	14729	35	17
A	37247	31	1	C	12975	39	10	C	14730	35	17
A	37247	55	1	C	12975	41	20	C	14827	55	4
A	37247	69	11	C	13106	39	7	C	14828	55	7
A	37247	81	26	C	13106	39	8	C	14829	55	8
A	39519	31	8	C	13106	41		C	14830	55	9
A	40855	63	3	C	13106	43		C	14831	55	10
A	50096	47	18	C	13106	45		C	14836	55	15
A	55894	81	22	C	13106	69		C	14837	55	5
A	60273	53	1	C	13196	47	16	C	14838	55	16
A	60273	53	1	C	13197	47	17	C	14872	73	1
A	61683	83	3	C	13200	53	12	C	14906	17	44
A	62079	25	15	C	13211	47	9	C	14906	19	44
A	70062	43	11	C	13241	47	5	C	14906	21	44
A	70090	5	7	C	13261	47	40	C	14906	31	11
A	70112	51	21	C	13266	47	8	C	14953	17	38
A	70185	43	8	C	13360	45	1	C	14953	19	38
A	72077	27	3	C	13385	47	6	C	14975	71	2
A	72078	27	8	C	13716	39	6	C	14976	71	3
A	72083	27	15	C	13770	47	1	C	14991	71	9
A	72099	27	5	C	14168	47	23	C	15036	51	21
A	72103	27	11	C	14200	41	6	C	15096	41	16
B	52118	71	12	C	14201	41	7	C	15335	49	1
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C	10314	43	2	C	14223	47	37	C	15515	33	6
C	10372	5	8	C	14246	51	7	C	15557	33	10
C	10372	23	13	C	14304	61	7	C	15564	45	11
C	10657	25	14	C	14305	61	6	C	15718	33	3
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C	15733	51	6	C	17298	51	17	C	18808	69	1
C	15734	51	7	C	17433	53	8	C	18809	45	1
C	15735	51	8	C	17435	53	9	C	18810	69	24
C	15737	51	10	C	17438	53	17	C	18811	45	4
C	15738	51	11	C	17439	53	11	C	18812	39	1
C	15739	51	12	C	17440	53	14	C	18813	39	1
C	15740	51	13	C	17443	53	18	C	18814	17	43
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C	16128	71	20	C	17536	69	25	C	18814	21	43
C	16133	69	31	C	17612	55	4	C	18851	53	
C	16163	69	10	C	17612	69	16	C	18871	43	4
C	16164	43	6	C	17636	77	4	C	18890	35	14
C	16200	41	4	C	17717	29	1	C	18992	41	5
C	16295	47	27	C	17732	69	33	C	19002	49	23
C	16339	47	22	C	17734	69	29	C	19025	55	8
C	16362	35	9	C	17859	77	1	C	19025	69	20
C	16373	35	11	C	17860	77	3	C	19037	55	
C	16379	43	8	C	17863	77	2	C	19040	55	
C	16393	37	17	C	17898	49	25	C	19041	55	
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C	16449	29	1	C	18097	19	34	C	19418	79	5
C	16516	55		C	18097	21	34	C	19422	81	5
C	16516	55	1	C	18098	29	14	C	19423	81	18
C	16581	77	1	C	18099	29	30	C	19469	73	8
C	16616	33	1	C	18101	11	18	C	19476	73	7
C	16687	49	24	C	18110	55	10	C	19740	71	1
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C	16697	55		C	18147	43	7	C	19767	31	15
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C	17249	45	6	C	18742	69	18	C	21507	53	7
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C	21518	69	15	C	23049	27		C	24495	21	11
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C	21527	39	16	C	23135	15	18	C	24731	55	
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C	21592	83	15	C	23407	83	9	C	24771	35	1
C	21814	17	1	C	23527	25	12	C	24774	33	
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C	21857	43	9	C	23612	83	8	C	24795	43	22
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C	22819	5	12	C	24142	21	8	C	24882	21	32
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C	22902	49	14	C	24295	5	9	C	24884	7	44
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