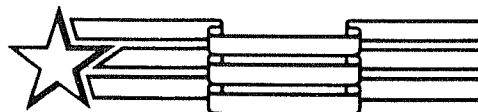
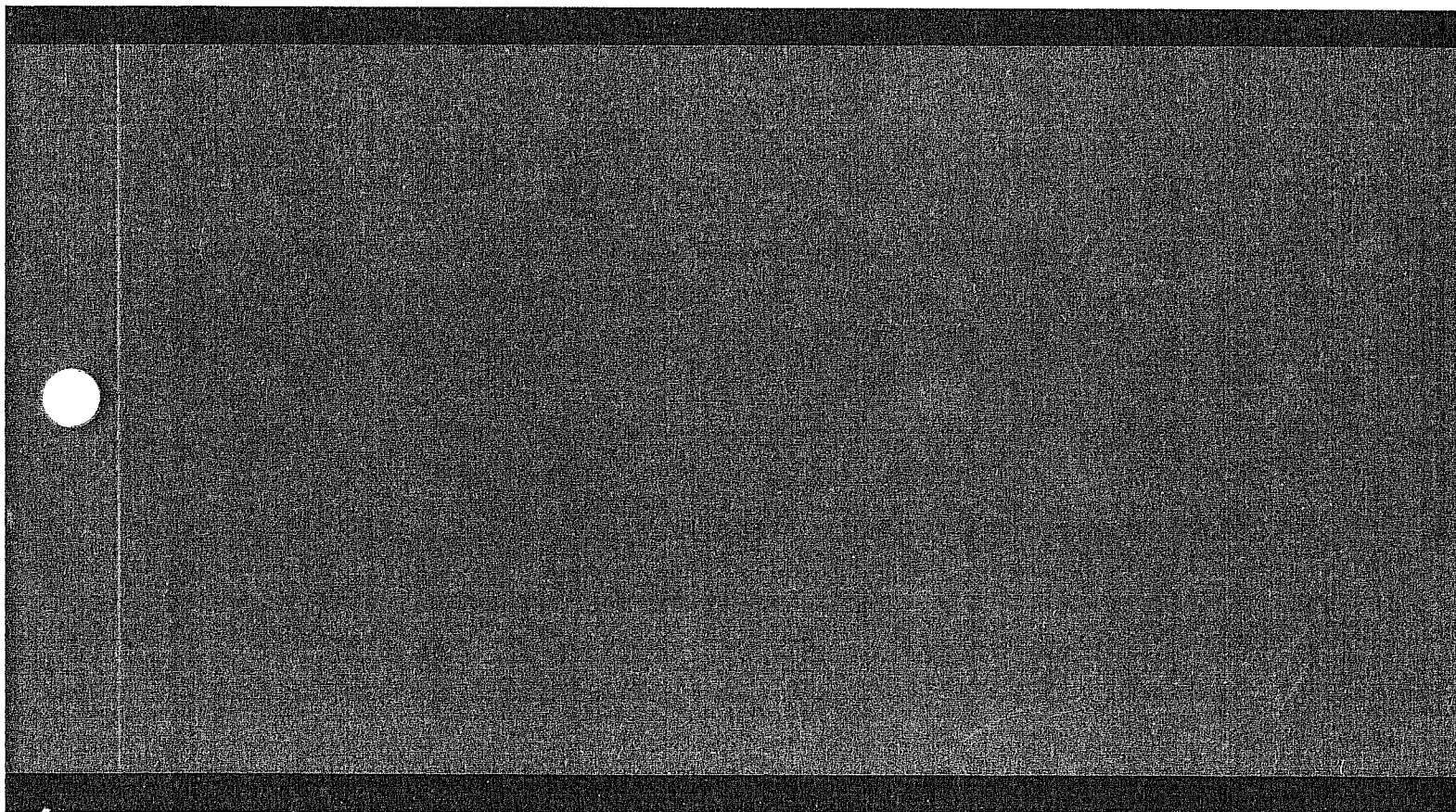


Ingersoll

446 COMPACT TRACTORS

S/N 9742953 AND AFTER

Parts Catalog No. A1376



QUALITY IN THE AMERICAN TRADITION

Ingersoll Equipment Co., Inc.

Winneconne, Wisconsin 54986-9576

**446 COMPACT TRACTOR
S/N 9742953 AND AFTER
Parts Catalog A1376**

This catalog replaces catalog 1326

1-96-RP-250-500

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.

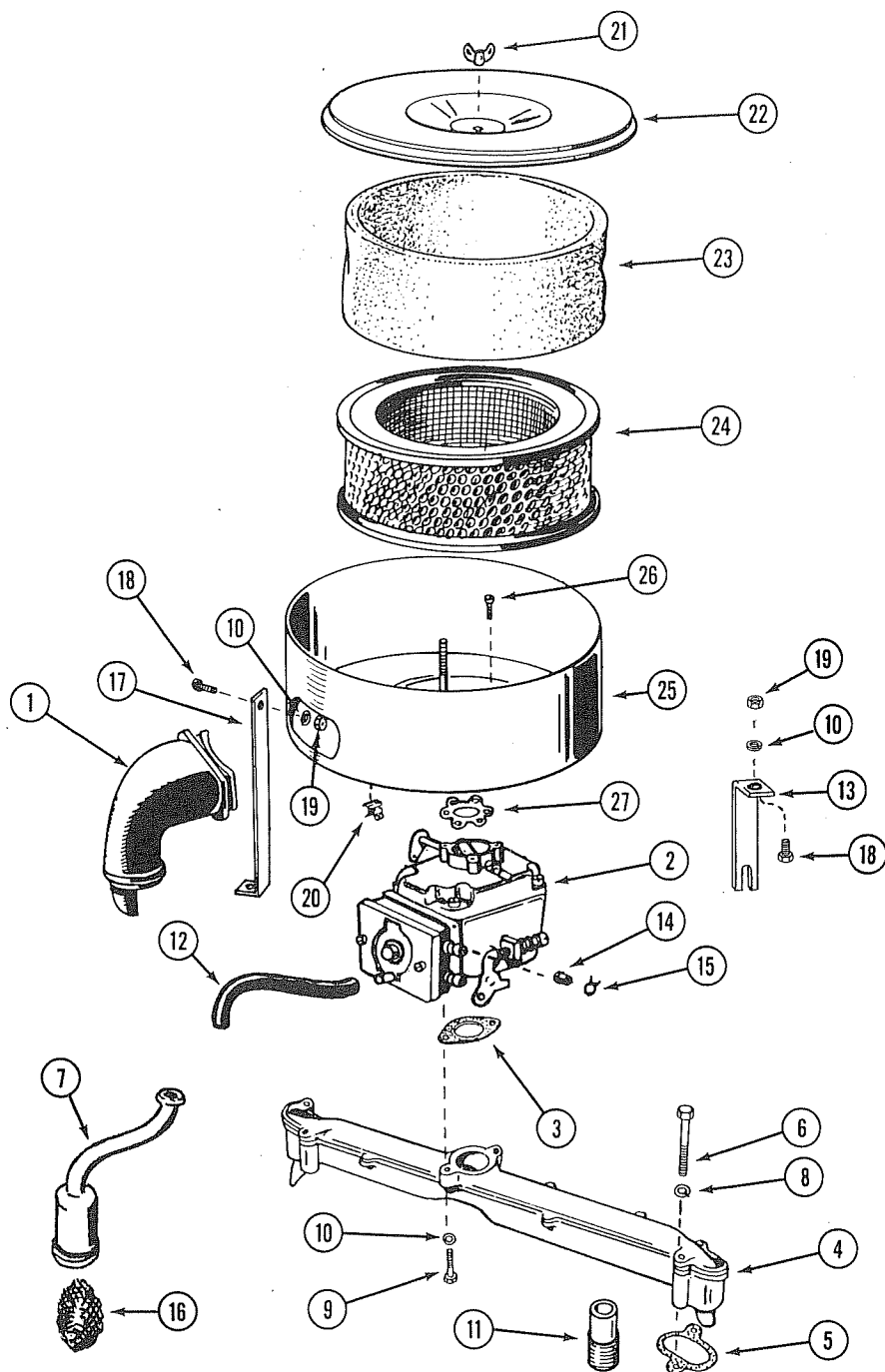
ALPHABETICAL INDEX

ENGINE SECTION

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Battery	51	Fuel System	5-23
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Crankshaft	9	Pistons & Rods	9
Electrical System	19-53	Starter Motor	17
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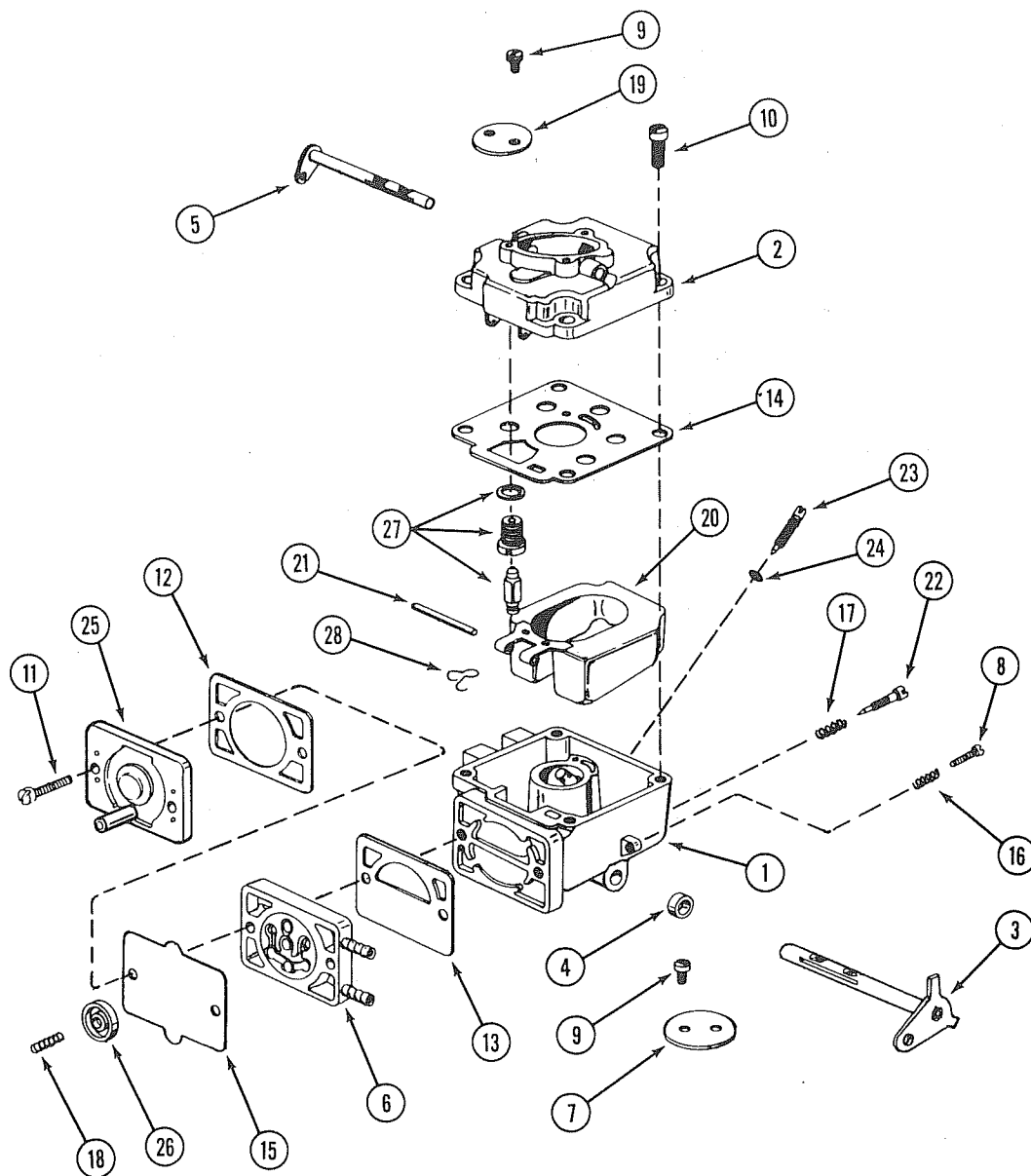
BASIC TRACTOR SECTION

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Valve, Hydraulic	45		



CARBURETOR, AIR FILTER AND MANIFOLD

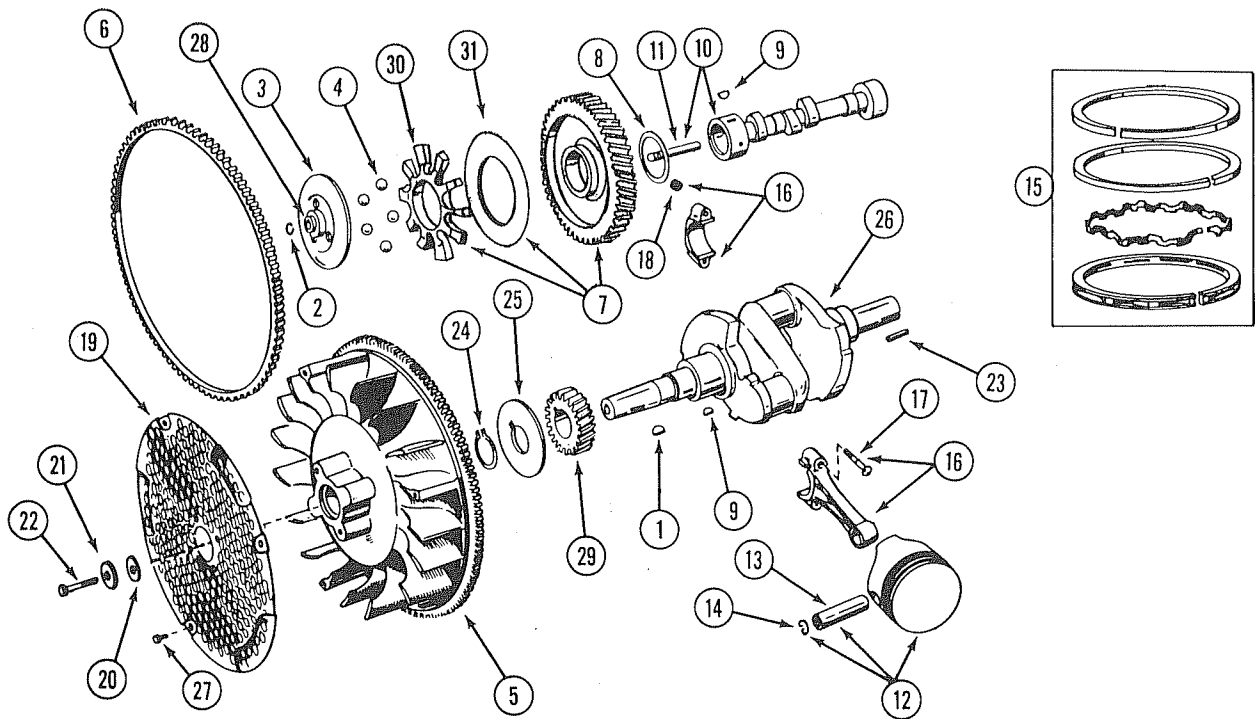
REF.	PART NO.	DESCRIPTION	REQ'D
1	C 20387	TUBE - air intake	1
2	C 27507	CARBURETOR AND FUEL PUMP ASSEMBLY (repairs page 7)	1
3	C 20389	GASKET - carburetor mtg.	1
4	C 20390	MANIFOLD - engine intake	1
5	C 26202	GASKET - intake manifold	2
6	13- 532	BOLT - manifold 5/16" x 2"	4
7	C 24927	HOSE - breather	1
8	92- 5	LOCKWASHER - 5/16"	4
9	113- 65	BOLT - 1/4" x 1-3/4" N.C. hex	2
10	92- 4	LOCKWASHER - 1/4"	3
11	C 20401	NIPPLE - exhaust, 1" x 2-1/2" (use prior to PIN 9756606)	2
12	C 23300	HOSE - fuel pump	1
13	C 24929	BRACKET - support	1
14	C 20411	CAP - fuel pump	1
15	214- 102	CLAMP - hose 7/16"	1
16	C 29948	FILTER - breather	1
17	C 20393	SUPPORT - air cleaner.	1
18	13- 48	BOLT - 1/4" x 1/2" N.C. hex.	1
19	25- 104	NUT - 1/4" N.C. hex.	1
20	C 20407	CLIP - choke cable	2
21	C 26703	NUT - wing 1/4"	1
22	C 20399	COVER - air cleaner	1
23	C 20405	PRE-CLEANER.	1
24	C 20398	ELEMENT - air cleaner	1
25	C 20397	HOUSING - air cleaner	1
26	182- 525	SCREW - #10 x 3/8" round head	3
27	C 20396	GASKET - air cleaner mtg.	1



C24926 CARBURETOR AND FUEL PUMP ASSEMBLY

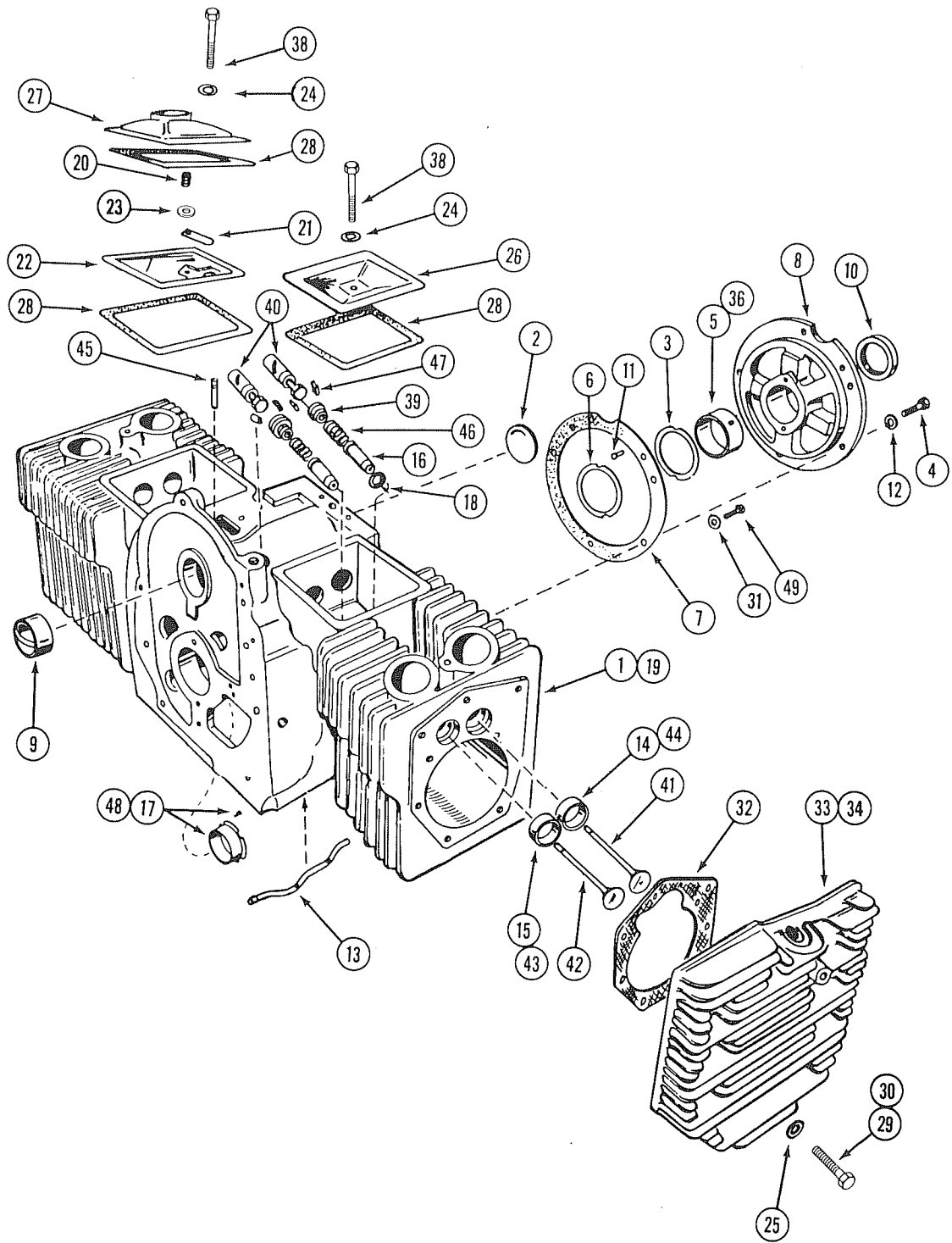
REF.	PART NO.	DESCRIPTION	REQ'D
1	NSS	BODY ASSEMBLY - carburetor (order C27507 carburetor)	1
2	NSS	SLEEVE ASSEMBLY - carburetor (order C27507 carburetor)	1
3	C 20425	SHAFT - throttle (See kit below)	1
4	NSS	PACKING - shaft (See kit below)	1
5	C 20427	SHAFT - choke	1
6	NSS	VALVE - plate assembly (see kit below)	1
7	C 20429	FLY - throttle	1
8	C 20430	SCREW - throttle stop.	1
9	C 20431	SCREW - fly mounting (See kit below)	4
10	C 20432	SCREW - bowl cover mtg.	4
11	C 20433	SCREW - pump cover	2
12	NSS	GASKET - cover to valve plate (See kit below)	1
13	NSS	GASKET - pump cover (See kit below)	1
14	NSS	GASKET - sleeve assembly (See kit below)	1
15	NSS	DIAPHRAGM - fuel pump (See kit below)	1
16	C 20438	SPRING - screw, throttle stop	1
17	C 20439	SPRING - idle needle (See kit below)	1
18	C 20440	SPRING - diaphragm, fuel pump (See kit below)	1
19	C 20441	FLY - choke	1
20	C 27506	FLOAT ASSEMBLY - carburetor	1
21	C 20443	PIN - float (See kit below)	1
22	C 20444	NEEDLE - idle adjust (See kit below)	1
23	C 20445	NEEDLE ASSEMBLY - power	1
24	C 20446	"O" RING - needle assembly (see kit below)	1
25	C 20447*	COVER - fuel pump	1
26	C 20448	PLATE - spring, fuel pump (See kit below)	2
27	C 20449	INLET - needle and seat assembly (See kit below)	1
28	C 20450	CLIP - float pin	1
	C 24665	KIT - gasket (includes items 4, 12, 13, 14, 15, 24)	1
	C 24666	KIT - repair (includes items 3, 6, 9, 15, 17, 18, 21, 22, 26, 27 and gasket kit)	1

* Use C43676 Kit - fuel pump cover when
you use a remote fuel pump



PISTON, CRANKSHAFT, FLYWHEEL AND CAMSHAFT

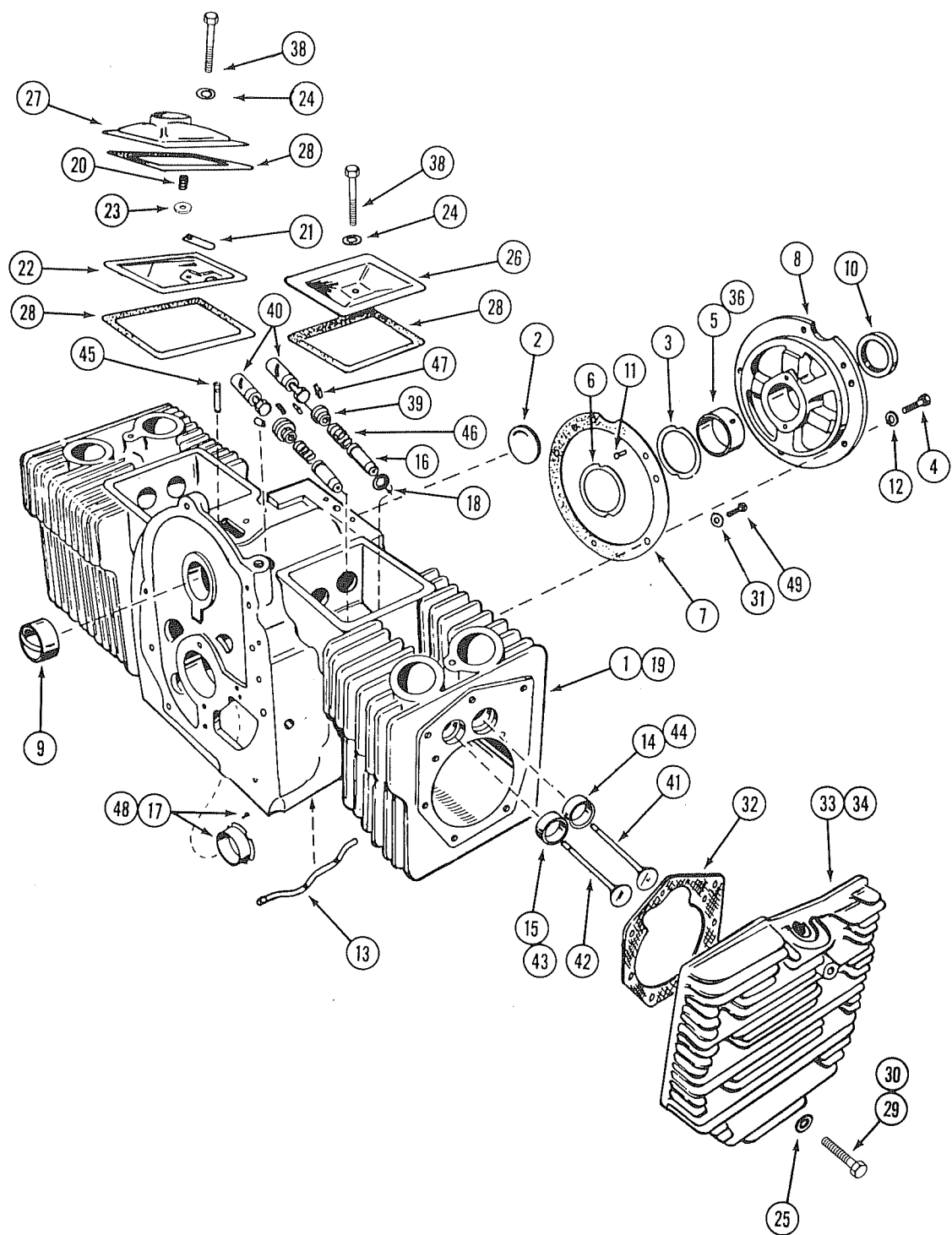
REF.	PART NO.	DESCRIPTION	REQ'D
1	126- 13	KEY - woodruff 3/16" x 5/8", flywheel mtg.	1
2	C 20223	RING - camshaft center pin	1
3	C 24326	CUP - governor	1
4	211- 216	BALL - fly, governor	5
5	C 24943	FLYWHEEL - eng. (includes ring gear & magnet ring)	1
6	C 20226	GEAR - ring, flywheel	1
7	C 22261	GEAR ASSEMBLY - camshaft (includes items 30 and 31)	1
8	C 20229	WASHER - thrust, camshaft gear	1
9	126- 9	KEY - woodruff 1/8" x 1/2"	2
10	C 32469	CAMSHAFT - (includes C 20233 pin).	1
11	C 20233	PIN - camshaft center	1
12	C 40793	PISTON AND PIN ASSEMBLY - standard (includes item 14)	2
12	C 24932	PISTON AND PIN ASSEMBLY - .005" oversize (includes item 14)	2
12	C 40794	PISTON AND PIN ASSEMBLY - .010" oversize (includes item 14)	2
12	C 40795	PISTON AND PIN ASSEMBLY - .020" oversize (includes item 14)	2
12	C 40796	PISTON AND PIN ASSEMBLY - .030" oversize (includes item 14)	2
12	C 24936	PISTON AND PIN ASSEMBLY - .040" oversize (includes item 14)	2
13	C 29972	PIN - piston	2
14	C 20241	RETAINER - piston pin	4
15	C 29739	RING SET - piston, (standard)	2
15	C 24938	RING SET - piston, (.005" oversize)	2
15	C 24939	RING SET - piston, (.010" oversize)	2
15	C 24940	RING SET - piston, (.020" oversize)	2
15	C 24941	RING SET - piston, (.030" oversize)	2
15	C 24942	RING SET - piston, (.040" oversize)	2
16	C 29750	CONNECTING ROD ASSEMBLY - (standard) includes 17 and 18.	2
16	C 29751	CONNECTING ROD ASSEMBLY - (.010" undersize) includes 17 and 18.	2
16	C 20204	CONNECTING ROD ASSEMBLY - (.020" undersize) includes 17 and 18.	2
16	C 20205	CONNECTING ROD ASSEMBLY - (.030" undersize) includes 17 and 18.	2
17	C 25774	BOLT - connecting rod, special 5/16" N.F. hex	4
18	C 25775	NUT - lock, connecting rod 5/16" N.F. hex	4
19	C 20215	SCREEN - flywheel	1
20	C 20303	WASHER - 7/16" flywheel mtg.	1
21	92- 7	LOCKWASHER - 7/16".	1
22	13- 764	BOLT - 7/16" x 4" N.C. hex, flywheel mtg.	1
23	C 28315	KEY - 1/4 x 1/4" sq. x 2", rear crankshaft	1
24	C 20218	RETAINER - crankshaft gear	1
25	C 20219	WASHER - retaining, crankshaft gear	1
26	C 22500	CRANKSHAFT - engine	1
27	182- 547	SCREW - locking 1/4" x 1/2" N.C. hex	3
28	C 24325	HUB - governor cup	2
29	C 22262	GEAR - crankshaft	1
30	C 22263	SPACER - governor flyball	1
31	C 22261	PLATE - governor flyball	1



ENGINE BLOCK AND ATTACHING PARTS

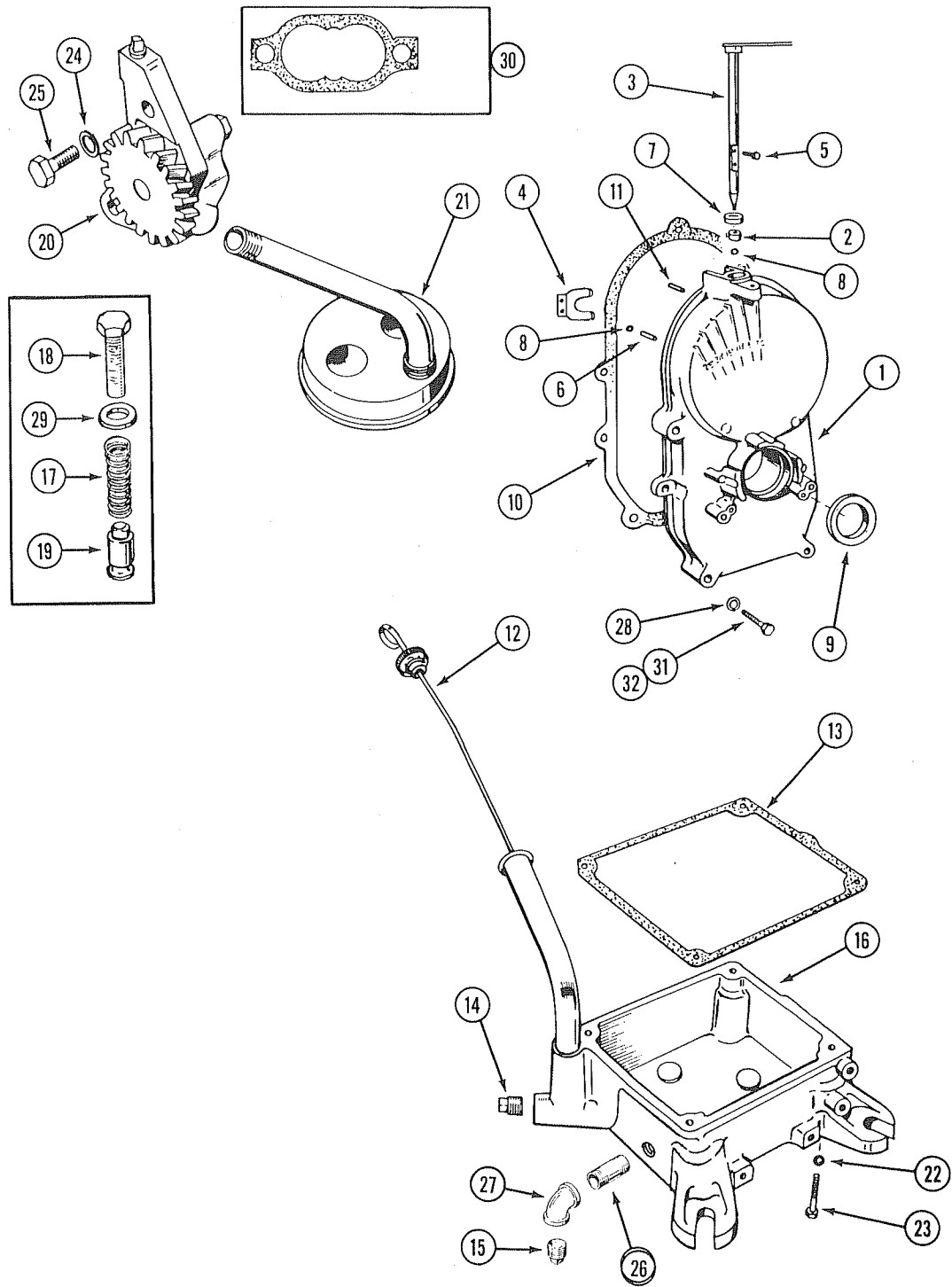
REF.	PART NO.	DESCRIPTION	REQ'D
1	NSS	BLOCK ASSEMBLY - cylinder, standard bore (use with spec. 3552A).	1
1	NSS	BLOCK ASSEMBLY - cylinder, standard bore (use with spec. 3419A).	1
2	41- 26	PLUG - camshaft expansion	1
3	C 20256	SHIM - rear bearing plate (.005").	UAR
4	13- 620	BOLT - 3/8" x 1-1/4" N.C. hex	5
5	C 22618	BEARING - crankshaft, rear (std.).	1
6	C 20267	WASHER - thrust, crankshaft bearing.	2
7	C 20268	GASKET - bearing plate	1
8	C 20269	PLATE - bearing (excludes bearing)	1
9	C 20270	BEARING - camshaft	2
10	C 20271	SEAL - bearing plate.	1
11	C 20272	PIN - main bearing stop	4
12	192- 21	LOCKWASHER - 3/8" bearing plate	5
13	C 24946	TUBE - oil, crankcase	1
14	C 20287	INSERT - valve seat, intake	2
15	C 29974	INSERT - valve seat, exhaust	2
16	C 20292	GUIDE - valve	4
17	C 20295	BEARING - crankshaft front (std.)	1
18	C 20302	GASKET - valve guide, intake.	2
19	C 40929*	BLOCK ASSEMBLY - short (includes: cylinder and crankcase, all bearings, crankshaft, camshaft, timing gear, governor gear case, rods, pistons, rings, valves, oil pump and breather tube . . .	1
20	C 20243	SPRING - breather valve	1
21	C 20244	VALVE - breather	1
22	C 20245	BAFFLE - breather.	1
23	195- 2010	WASHER - 1/4".	1
24	C 20247	WASHER - 1/4" copper.	2
25	C 20248	WASHER - 5/16".	18
26	C 20250	COVER - valve	1
27	C 24948	COVER - valve (with breather hole)	1
28	C 20251	GASKET - valve cover.	3
29	26- 532	BOLT - head, 5/16" - 18 x 2"	6
30	26- 526	BOLT - head, 5/16" - 18 x 1-5/8"	12
31	C 20574	WASHER - copper 3/8".	2
32	C 29979	GASKET - cylinder head	2
33	C 24949	HEAD - L.H. No. 1	1
34	C 24950	HEAD - R.H. No. 2	1
36	C 22619	BEARING - crankshaft, rear (.002" undersize).	1
36	C 22620	BEARING - crankshaft, rear (.010" undersize).	1
36	C 22621	BEARING - crankshaft, rear (.020" undersize).	1
36	C 22622	BEARING - crankshaft, rear (.030" undersize).	1
38	113- 132	BOLT - valve cover 1/4" x 1-3/4" hex	2
39	NSS	RETAINER - valve spring (use C20517)	4
40	C 20276	TAPPET - valve (standard)	4
40	C 20470	TAPPET - valve (.001" oversize)	4

* Also use C33098 flange kit



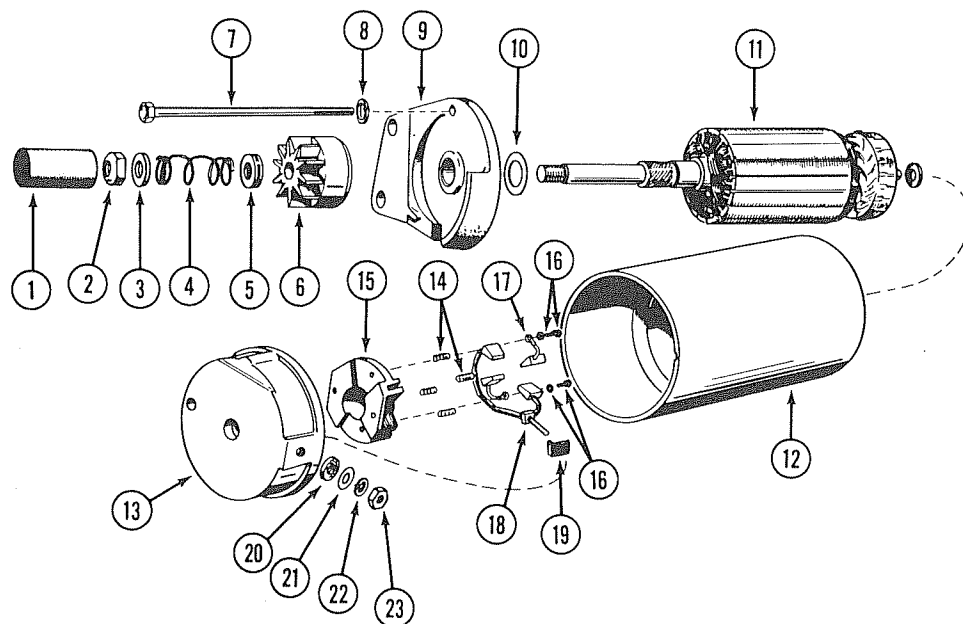
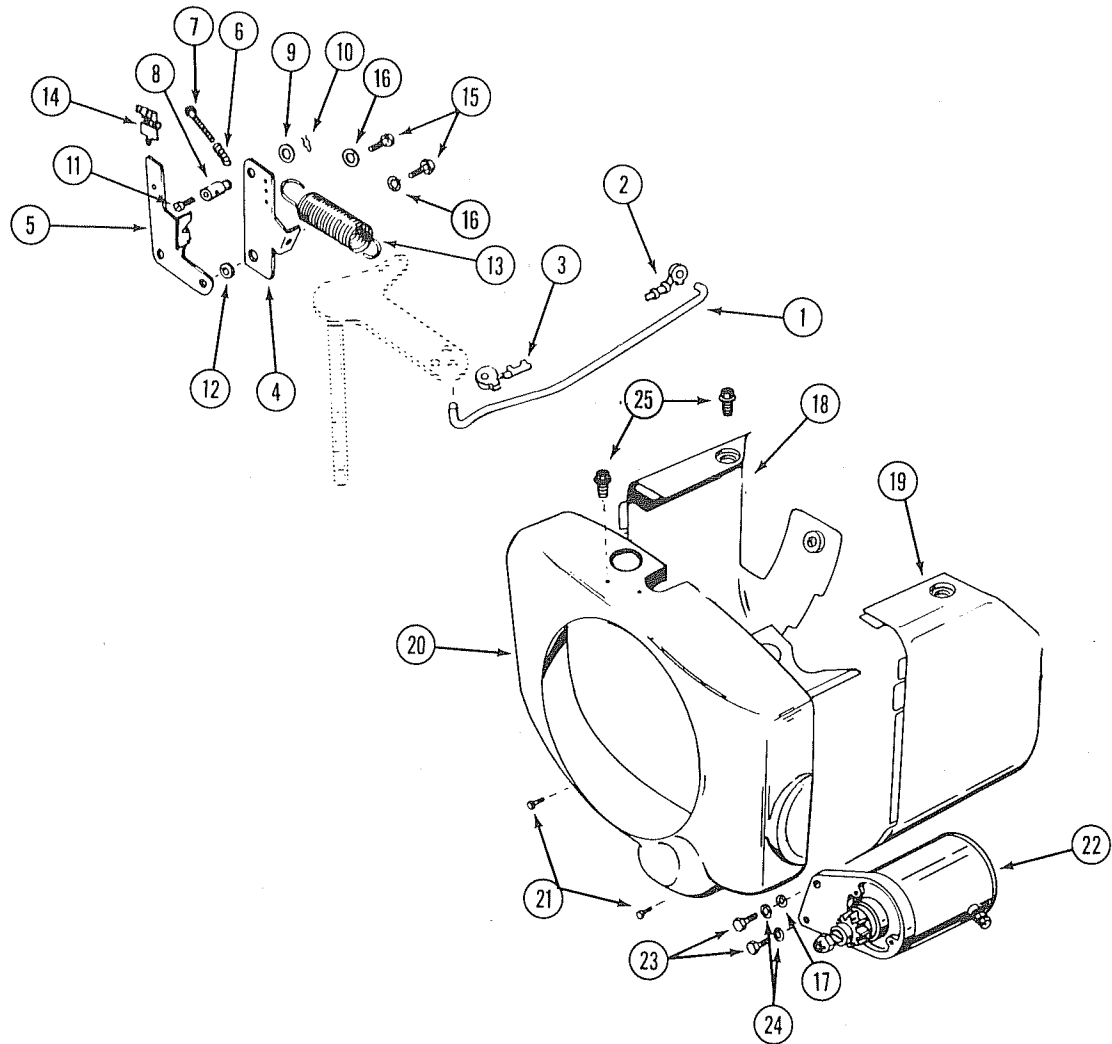
ENGINE BLOCK AND ATTACHING PARTS

REF.	PART NO.	DESCRIPTION	REQ'D
40	C 20471	TAPPET - valve (.002" oversize)	4
40	C 20277	TAPPET - valve (.005" oversize)	4
41	C 29754	VALVE - intake	2
42	C 29755	VALVE - exhaust	2
43	C 29975	INSERT - valve seat, exhaust (.002" oversize)	2
43	C 29976	INSERT - valve seat, exhaust (.005" oversize)	2
43	C 29977	INSERT - valve seat, exhaust (.010" oversize)	2
43	C 29978	INSERT - valve seat, exhaust (.025" oversize)	2
44	C 20288	INSERT - valve seat, intake (.002" oversize)	2
44	C 20289	INSERT - valve seat, intake (.005" oversize)	2
44	C 20290	INSERT - valve seat, intake (.010" oversize)	2
44	C 20291	INSERT - valve seat, intake (.025" oversize)	2
45	C 20412	TUBE - fuel pump vacuum	1
46	C 20293	SPRING - valve	4
47	C 20294	LOCK - valve and spring	8
48	C 20296	BEARING - crankshaft, front (.002" undersize)	1
48	C 20297	BEARING - crankshaft, front (.010" undersize)	1
48	C 20298	BEARING - crankshaft, front (.020" undersize)	1
48	C 20299	BEARING - crankshaft, front (.030" undersize)	1
49	13- 68	BOLT - 3/8" x 1/2" N.C. hex	2
	C 29981	KIT - gasket, engine	1
	C 29982	KIT - gasket, carbon removal (includes: valve cover gaskets, cylinder head gaskets, and intake manifold gaskets).	1
	C 25226	KIT - overhaul, engine (includes: valves, valve springs and retainers, ring set, breather tube, points, plugs, condenser, crankshaft retaining ring, air cleaner element, carburetor gasket kit and engine gasket kit)	1



OIL BASE, OIL PUMP AND GEAR COVER

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 22631	COVER ASSEMBLY - gear	1
2	C 20305	BEARING - governor shaft.	1
3	C 22632	SHAFT AND ARM ASSEMBLY - governor	1
4	C 20307	YOKE - governor shaft	1
5	182- 84	SCREW - yoke retaining	2
6	C 20309	PIN - governor, cup stop	1
7	C 20310	SEAL - oil, governor shaft	1
8	211- 5	BALL - governor shaft bearing	2
9	C 20312	SEAL - gear cover.	1
10	C 20313	GASKET - gear cover	1
11	C 23320	PIN - gear cover 5/16" x 1-1/8"	2
12	C 24958	DIPSTICK - oil level indicator.	1
13	C 29984	GASKET - oil pan	1
14	221- 14	PLUG - oil base, 1/2" sq. head	1
15	221- 844	PLUG - oil base, 1/2" socket head	1
16	C 22633	BASE - oil	1
17	C 20320	SPRING - oil by-pass.	1
18	114- 200	BOLT - oil by-pass 3/8" x 1" N.C. hex.	1
19	C 20322	VALVE - oil by-pass	1
20	C 29734	PUMP - oil	1
21	C 23321	INTAKE - oil pump (includes cup, screen and pipe)	1
22	192- 21	LOCKWASHER - 3/8".	4
23	13- 640	BOLT - 3/8" x 2-1/2" N.C. hex	4
24	192- 19	LOCKWASHER - 1/4".	2
25	13- 416	BOLT - 1/4" x 1" N.C. hex	2
26	221- 1190	NIPPLE - oil drain	1
27	221- 1377	ELBOW - oil drain	1
28	C 20331	WASHER - 5/16" copper.	5
29	C 20574	WASHER - 3/8" copper.	1
30	C 20325	KIT - gasket, oil pump	1
31	13- 528	BOLT - 5/16" x 1-3/4"	4
32	26- 544	BOLT - 5/16" x 2-3/4"	1

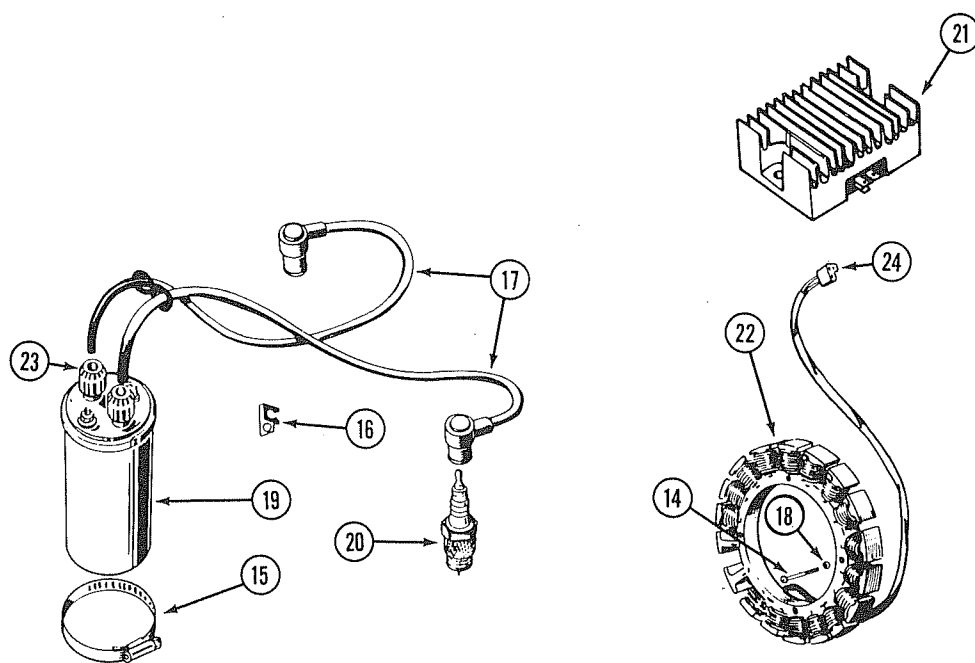
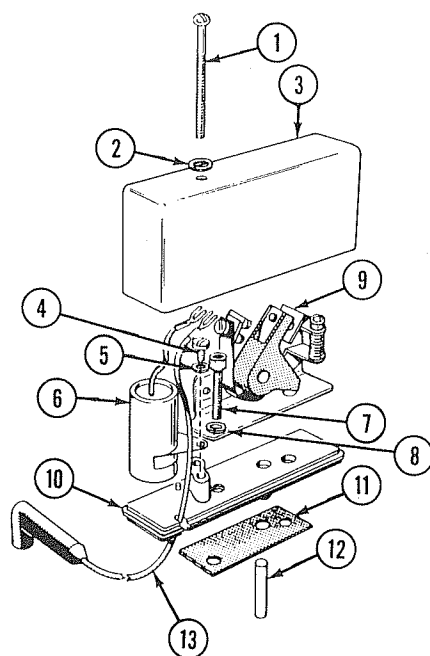


GOVERNOR AND BLOWER HOUSING

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 20359	ROD - governor control	1
2	C 20360	CLIP - governor control rod, carburetor end	1
3	C 20361	CLIP - governor control rod, governor end	1
4	C 20369	ARM - governor control	1
5	C 28719	BRACKET - governor mtg.	1
6	C 20371	SPRING - throttle lever adj.	1
7	182- 49	SCREW - #6 x 7/8" round hd. mach.	1
8	C 20372	CLAMP - swivel, throttle	1
9	195- 14	WASHER - swivel clamp mtg.	2
10	136- 2	PIN - cotter, swivel clamp mtg.	1
11	169- 74	SCREW - #8 x 5/16", swivel clamp	1
12	C 20375	BUSHING - governor control	1
13	C 20376	SPRING - governor	1
14	NSS	CLIP - throttle cable (use C29506, 187-1511)	1
15	187- 1839	BOLT - #10 - 32 x 5/8"	2
16	193- 6	LOCKWASHER - 1/4"	2
17	195- 2027	WASHER - 5/16"	2
18	C 24951	BAFFLE - cylinder air, L.H.	1
19	C 24952	BAFFLE - cylinder air, R.H.	1
20	C 24953	HOUSING - blower	1
21	163- 22	BOLT - 1/4" x 7/16" N.C. hex	7
22	C 29733	MOTOR - starting, 12 volt (see below)	1
23	13- 516	BOLT - 5/16" x 1" N.C. hex, starter motor	2
24	92- 5	LOCKWASHER - 5/16"	2
25	187- 1073	BOLT	4

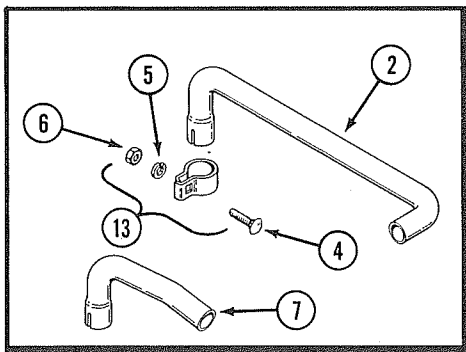
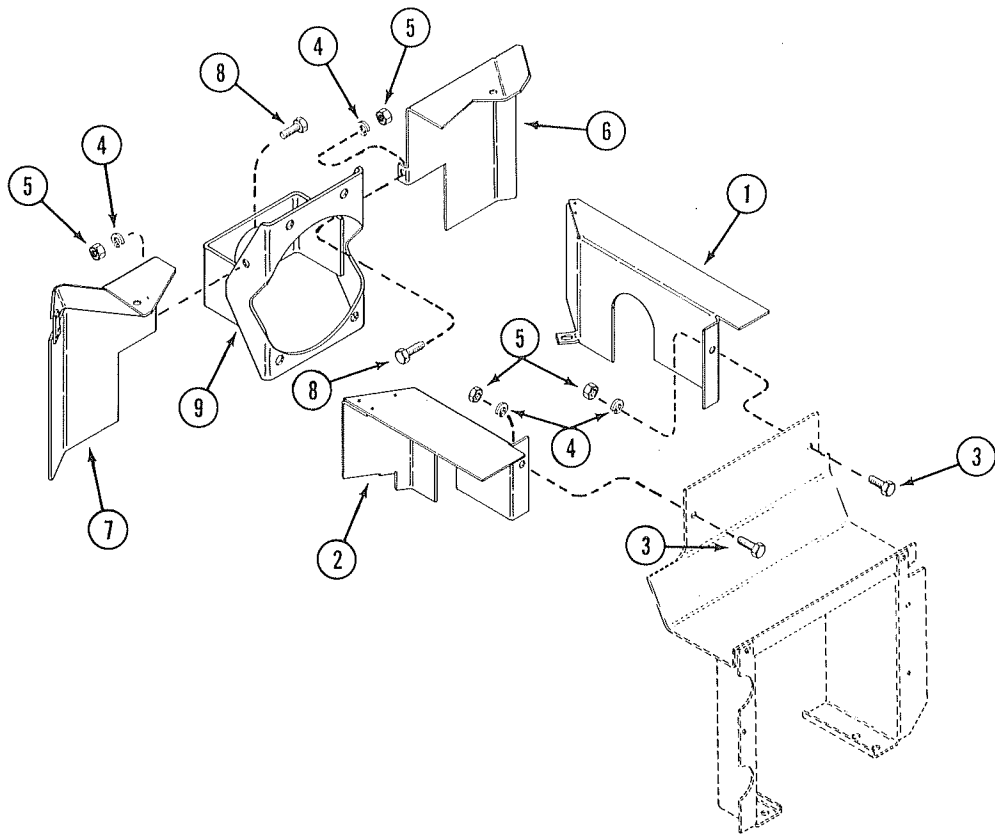
C 20230 STARTER MOTOR

1	C 26508	COVER - dust	1
2	NSS	NUT - stop	1
3	NSS	WASHER - stop nut	1
4	NSS	SPRING - anti drift.	1
5	NSS	SPACER - dust cover.	1
6	C 20274	DRIVE ASSEMBLY	1
7	C 20278	BOLT - thru	2
8	92- 4	LOCKWASHER - thru bolt	2
9	C 20333	CAP ASSEMBLY - drive end	1
10	C 20334	WASHER - thrust, armature	1
11	C 20335	ARMATURE - starter motor	1
12	NSS	HOUSING - starter, order C 29733 starter	1
13	C 20336	CAP ASSEMBLY - commutator (includes item 14 thru 23)	1
14	NSS	SPRING - brush	4
15	NSS	HOLDER - brush	1
16	NSS	SCREW AND LOCKWASHER - brush mtg.	2
17	NSS	BRUSH - ground	2
18	NSS	STUD AND BRUSH ASSEMBLY	2
19	NSS	BUSHING - insulating	1
20	NSS	WASHER - insulating	1
21	NSS	WASHER - stud mtg.	1
22	NSS	LOCKWASHER - stud mtg.	1
23	NSS	NUT - stud mtg.	1
	C 20337	KIT - brush and spring (includes items 14, 17 and 18)	1

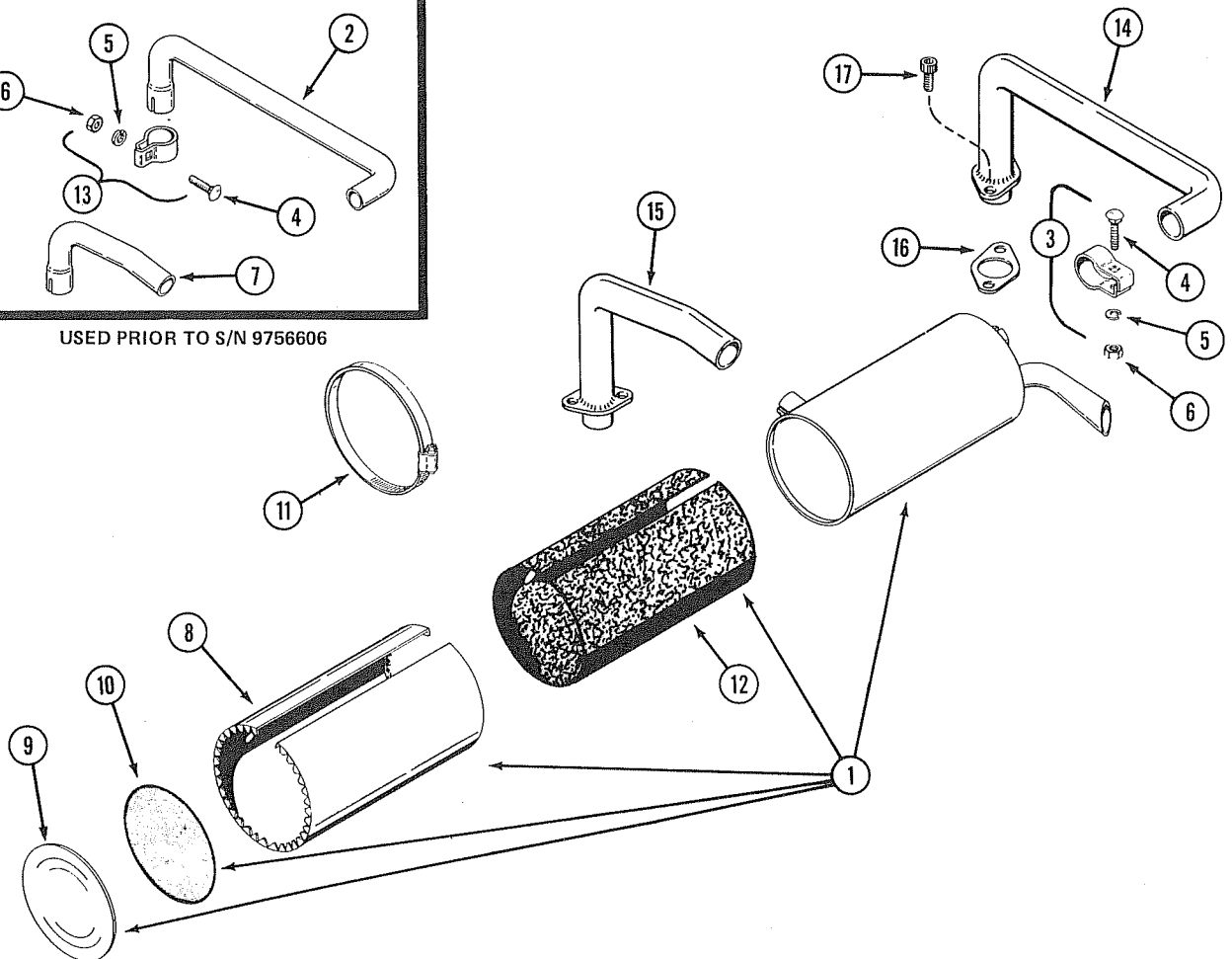


IGNITION AND CHARGING SYSTEMS

REF.	PART NO.	DESCRIPTION	REQ'D
	C 29990	BOX ASSEMBLY - breaker contact	1
1	182- 520	SCREW - #10 - 24 x 1-1/2" pan hd.	1
2	195- 513	WASHER - #10	1
3	C 23854	COVER - breaker box	1
4	182- 545	SCREW - #8 - 32 x 5/16" self tapping	1
5	192- 16	LOCKWASHER - #8	1
6	C 29991	CONDENSER - ignition	1
7	165- 143	SCREW - 1/4" - 20 x 3/4"	2
8	192- 19	LOCKWASHER - 1/4"	2
9	C 29736	POINT ASSEMBLY - breaker contact	1
10	C 25100	BASE - breaker box	1
11	C 20345	GASKET - breaker box	1
12	C 20347	PLUNGER - breaker box	1
13	C 29992	LEAD - breaker to coil negative	1
14	173- 219	SCREW - #10 x 1-1/2" rd. head mach.	3
15	214- 259	CLAMP - coil mtg.	1
16	C 20344	CLIP - sparkplug cables	1
17	C 32299	KIT - spark plug cable	2
18	92- 18	LOCKWASHER - #10	3
19	C 29752	COIL - ignition	1
20	C 25845	SPARK PLUG	2
21	C 31249	REGULATOR, RECTIFIER ASSEMBLY - 12 volt.	1
22	C 24956	STATOR - alternator charging	1
23	C 25227	CAP - coil	2
24	C 25338	CONNECTOR	1



USED PRIOR TO S/N 9756606

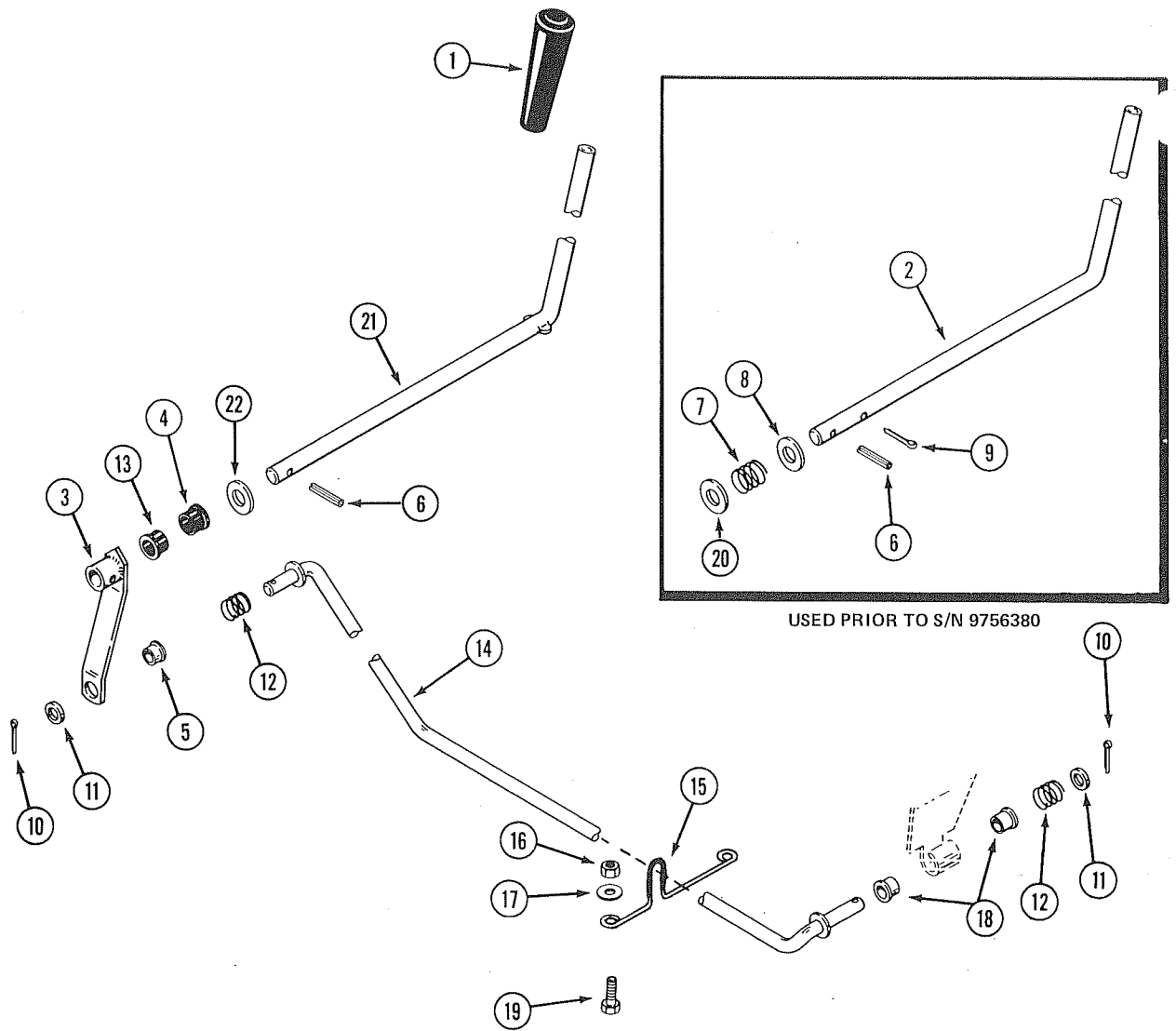


HEAT SHIELDS AND ENGINE BAFFLES

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 25489	SHIELD - exhaust pipe L.H.	1
2	C 25490	SHIELD - exhaust pipe R.H.	1
3	113- 1	BOLT - 1/4" - 20 x 1/2" hex	2
4	192- 19	LOCKWASHER - 1/4"	4
5	129- 101	NUT - 1/4" - 20 hex	4
6	C 28033	BAFFLE - cylinder L.H.	1
7	C 28034	BAFFLE - cylinder R.H.	1
8	187- 1036	SCREW - self tap (used S/N 9741243 and after)	2
8	113- 3	BOLT - 1/4" - 20 x 3/4" hex (used prior to S/N 9741243)	2
9	C 26255	SUPPORT - pump mounting	1

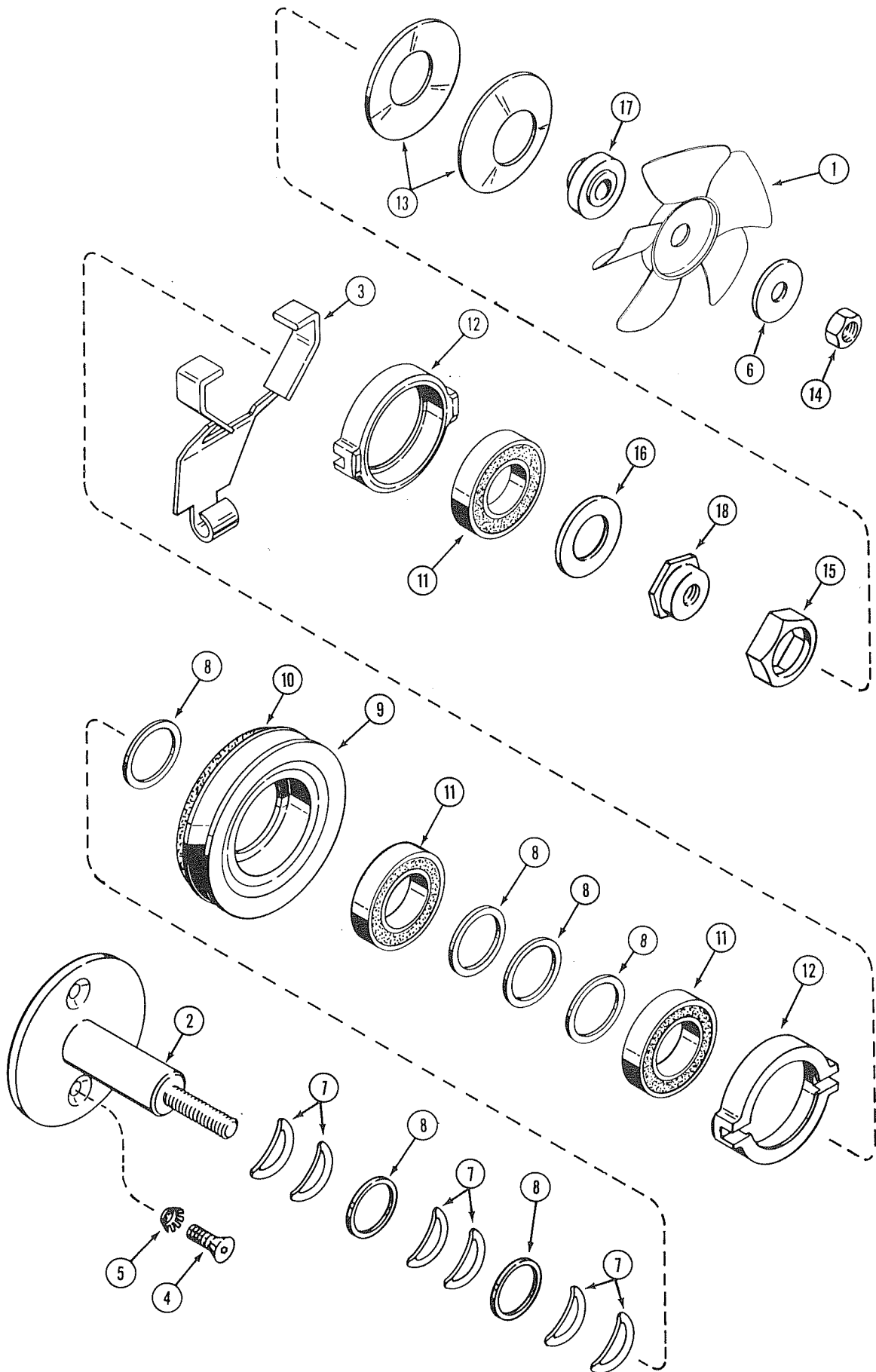
EXHAUST SYSTEM

1	C 24703	MUFFLER ASSEMBLY - exhaust (includes items 8, 9, 10 and 12 banded together)	1
2	C 22969	PIPE - engine exhaust L.H. (used prior to S/N 9756606)	1
3	C 28968	CLAMP ASSEMBLY - muffler	4
4	111- 256	BOLT - 5/16" x 1-1/4" round head, square neck N.C.	1
5	192- 20	LOCKWASHER - 5/16"	1
6	129- 102	NUT - 5/16" N.C. hex	1
7	C 22970	PIPE - engine exhaust R.H. (used prior to S/N 9756606)	1
8	C 24296	WRAPPER - muffler	1
9	C 23581	COVER - muffler end	1
10	C 23580	INSULATION - muffler end	1
11	214- 272	CLAMP - wrapper mounting	3
12	C 23686	INSULATION - muffler	1
13	C 20468	CLAMP ASSEMBLY - exhaust pipe (includes items 4, 5 and 6) (used prior to S/N 9756606)	2
14	C 25071	PIPE - engine exhaust L.H. (used S/N 9756606 and after)	1
15	C 25073	PIPE - engine exhaust R.H. (used S/N 9756606 and after)	1
16	C 26207	GASKET - pipe, exhaust (used S/N 9756606 and after)	2
17	61- 510	BOLT - 5/16" x 5/8" sockethead (used S/N 9756606 and after)	1



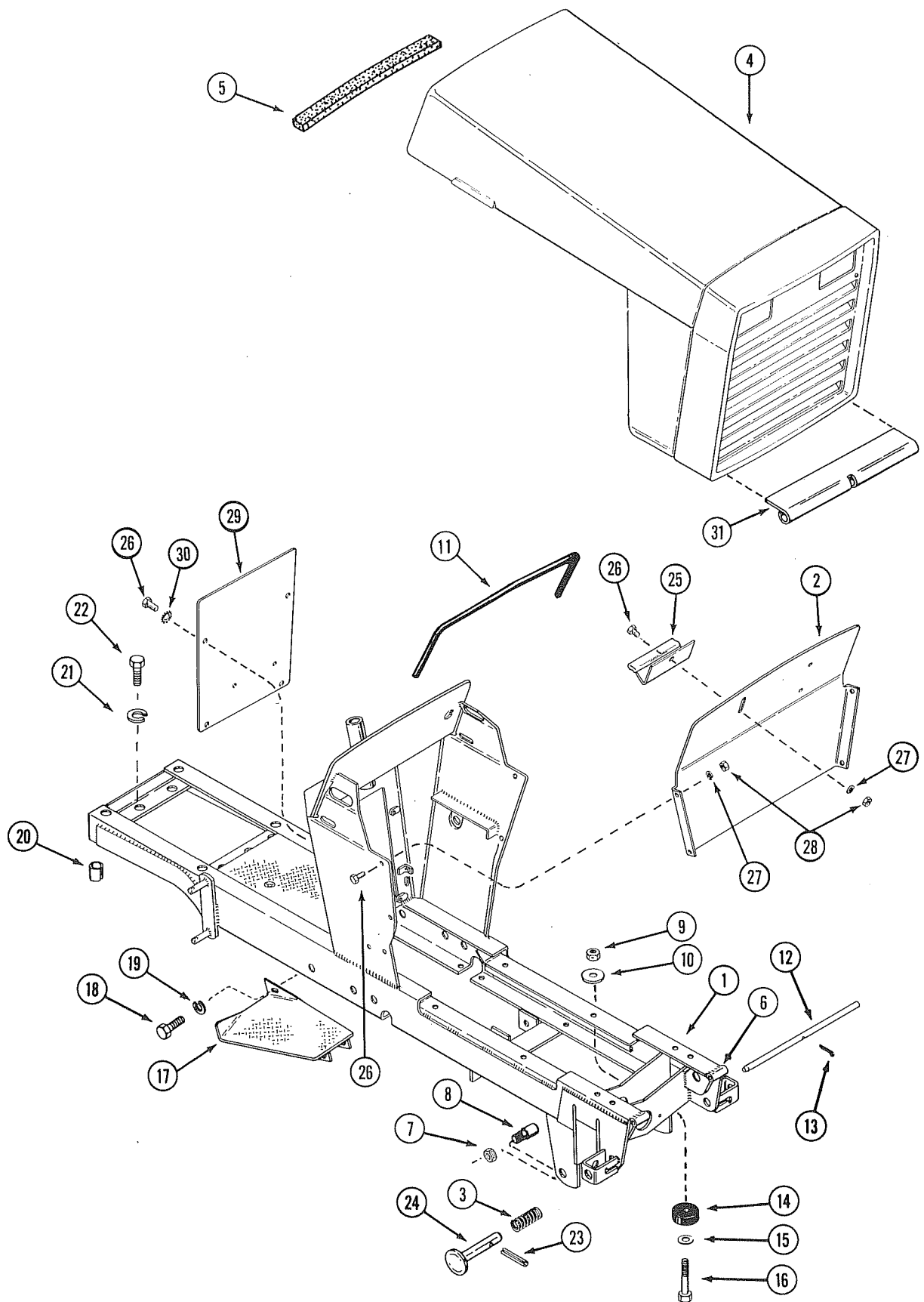
PTO CLUTCH LINKAGE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 28237	KNOB - lever, PTO	1
2	NSS	LEVER - PTO engaging (order item 21 and 22)	1
3	C 24872	ARM ASSEMBLY - PTO (used S/N 9743060 and after)	1
3	C 24792	ARM ASSEMBLY - PTO (used prior to S/N 9743060)	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 (used prior to S/N 9756380)	1
8	C 28240	WASHER - nylon (used prior to S/N 9756380)	1
9	132- 310	PIN - cotter 1/8" 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	NSS	ROD - clutch (use C27734, C26166, C20053)	1
15	C 19767	GUIDE - clutch rod	1
16	131- 178	NUT - lock 3/8" N.C. hex	2
17	195- 104	WASHER - 3/8"	2
18	C 20053	BUSHING - nylon	2
19	113- 207	BOLT - 3/8" x 1" N.C. hex	2
20	195- 2069	WASHER - 5/8" (used prior to S/N 9756380)	1
21	C 29409	LEVER - PTO engaging (used S/N 9756380 and after)	1
22	195- 533	WASHER - 1/2" (used S/N 9756380 and after)	1



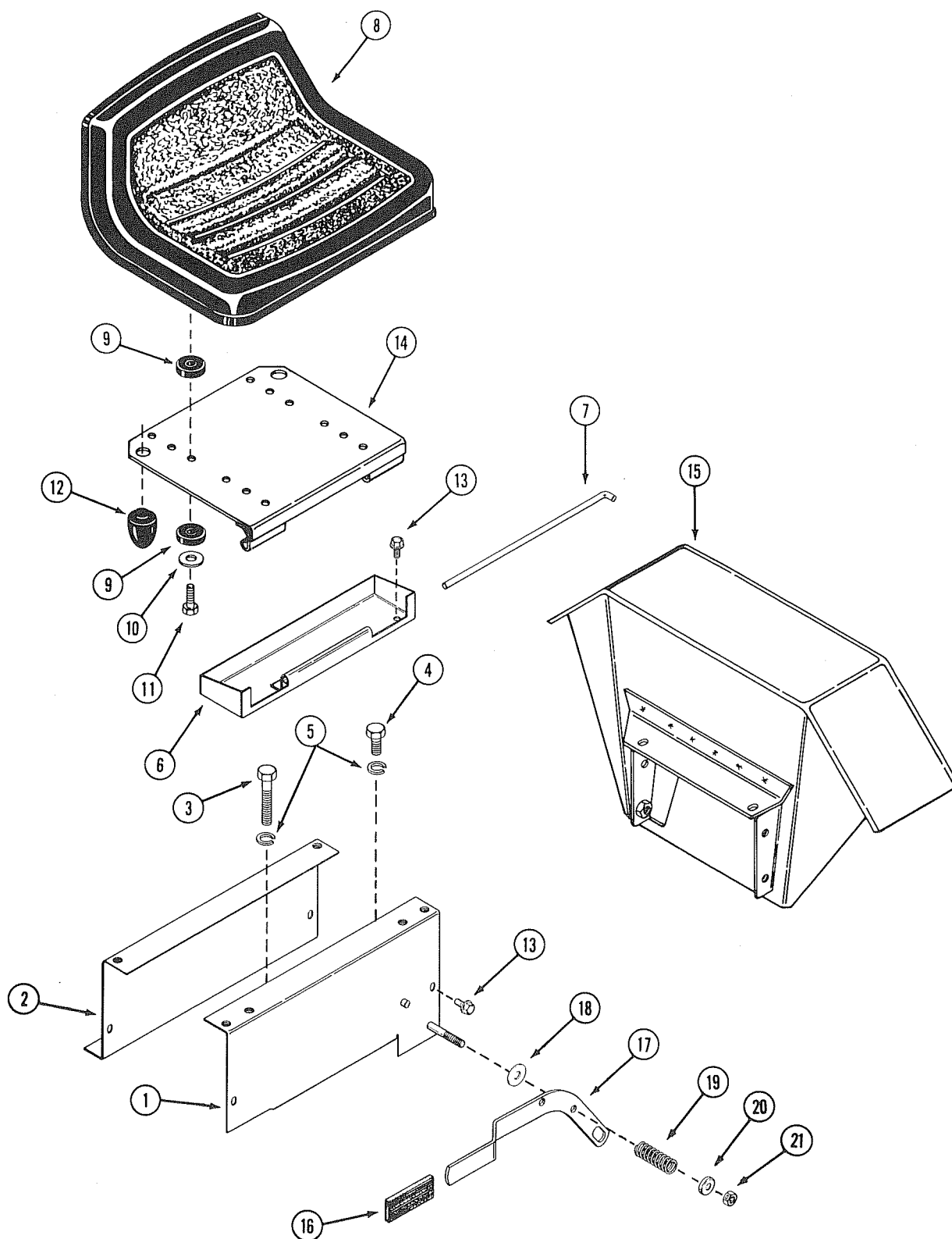
CLUTCH ASSEMBLY (PTO)

REF.	PART NO.	DESCRIPTION	REQ'D
	C 27152	CLUTCH AND FAN ASSEMBLY	1
1	C 16616	FAN - cooling	1
2	C 24741	HUB - clutch	1
3	C 27031	ARM - engaging	1
4	164- 41	SCREW - 5/16" - 18 x 1" flat head socket	2
5	193- 76	LOCKWASHER - 5/16" countersunk external tooth	2
6	C 28677	WASHER - fan 17/32"	1
7	C 15515	WASHER - spring	6
8	C 15557	WASHER - spacer .050	6
9	C 31045	PULLEY AND DISC ASSEMBLY	1
10	C 23740	KIT - friction disc	1
11	C 29735	BEARING - ball	3
12	C 32169	CAM - clutch	2
13	C 16786	SPRING - clutch load	2
14	129- 125	NUT - 1/2" N.F.	1
15	C 23627	GUIDE - adjusting nut	1
16	C 23624	WASHER - spacer	1
17	C 23630	SPACER - hub	1
18	C 23625	NUT - adjust	1



HOOD, FRAME AND GRILLE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 24772	FRAME - main (also order C24872 arm prior to S/N 9743060)	1
2	C 24821	SHIELD - heat	1
3	C 24137	SPRING - latch	2
4	C 23573	HOOD AND GRILLE ASSEMBLY (includes item 31)	1
5	C 23527	LINER - hood	1
6	C 22023	HINGE - frame	2
7	131- 1318	NUT - lock 1/2" N.F.	2
8	C 27508	PIN - attachment	2
9	131- 1181	NUT - lock 3/8" N.C.	4
10	195- 525	WASHER - plain 3/8" x 13/16" O.D. (over engine foot pad)	4
11	C 18153	CHANNEL - instrument panel liner	1
12	C 16362	ROD - hood hinge.	1
13	132- 334	PIN - cotter 1/8" x 3/4"	1
14	C 15410	CUSHION - washer.	4
15	195- 2029	WASHER - plain 3/8" x 1-1/4" O.D. (under cushion)	8
16	113- 219	BOLT - 3/8" x 2-1/4" N.C. hex	4
17	C 18890	PAD - foot L.H.	1
17	C 18150	PAD - foot R.H.	1
18	13- 514	BOLT - 5/16" x 7/8" N.C. hex	2
19	192- 20	LOCKWASHER - 5/16"	2
20	C 14729	SPACER - rear, frame	2
21	192- 23	LOCKWASHER - 1/2"	4
22	113- 424	BOLT - 1/2" N.C. hex, transaxle mtg.	4
23	138- 319	PIN - roll 3/16" x 1-1/4"	2
24	C 16373	PIN - latch	2
25	C 24820	CLIP - battery hold down.	1
26	113- 1	BOLT - 1/4" - 20 x 1/2"	9
27	192- 19	LOCKWASHER - 1/4"	5
28	129- 101	NUT - 1/4" - 20 hex	5
29	C 24822	COVER - access	1
30	193- 57	LOCKWASHER - 1/4" external tooth	4
31	C 16361	HINGE - hood	1



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" N.C. hex	2
4	113- 424	BOLT - 1/2" x 1" N.C. hex	2
5	192- 23	LOCKWASHER - 1/2"	4
6	C 19417	TRAY - tool	1
7	C 16429	PIN - seat hinge	1
8	C 30071	SEAT	1
9	C 15410	CUSHION - rubber	8
10	195- 2175	WASHER - 5/16" x 1-1/4" OD, zinc plated	4
11	113- 122	BOLT - 5/16" x 1-1/2"	4
12	NSS*	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.	1
15	C 16445	FENDER - R.H.	1
16	C 14728	GRIP - shift lever	1
17	C 16393	LEVER - shift	1
18	195- 525	WASHER - 7/16" x 1-1/4" O.D.	1
19	C 17216	SPRING - shift lever	1
20	C 17066	WASHER - cupped	1
21	131- 178	NUT - lock 3/8" N.C. hex	1

* Use 2 of each:

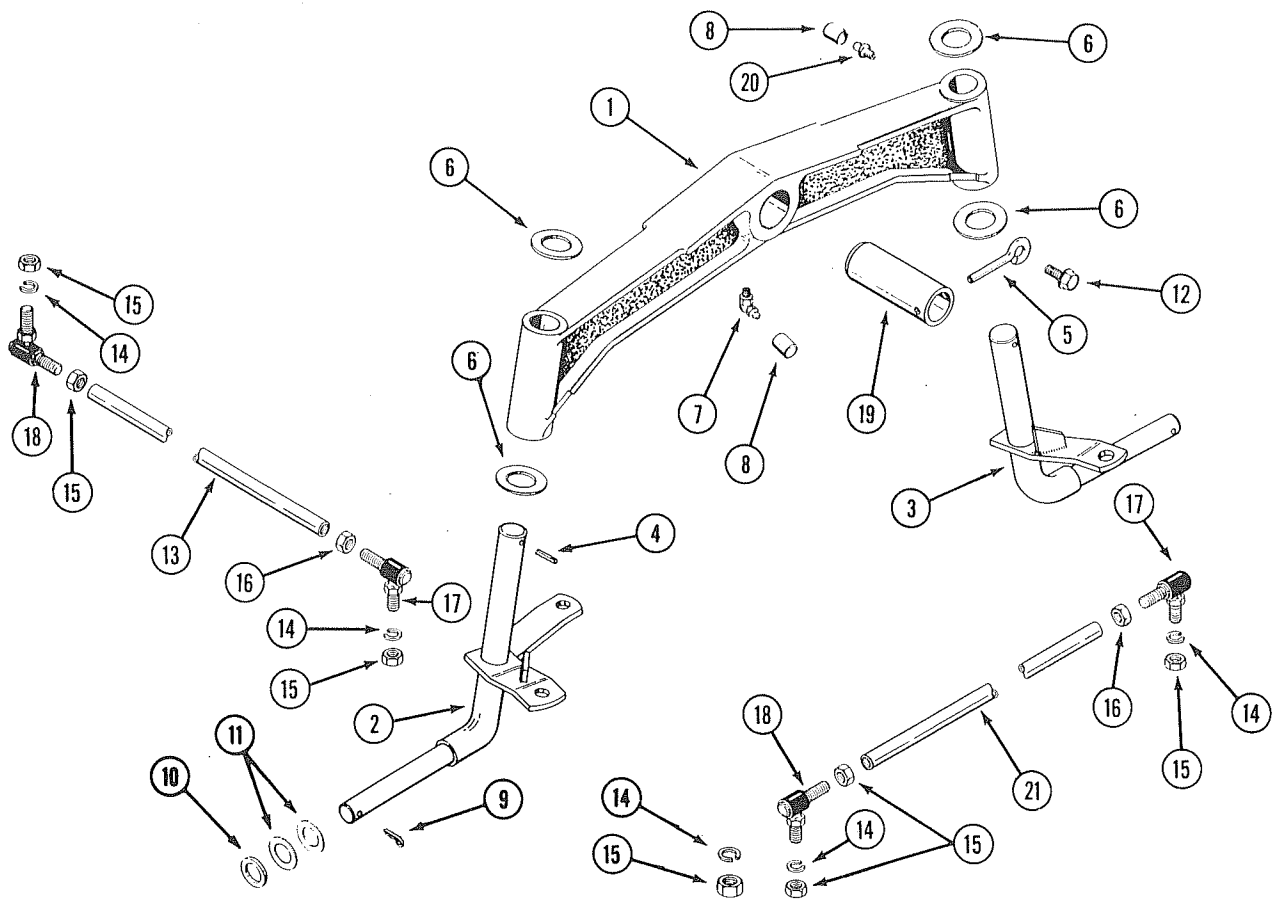
C29306

C29305

113-103

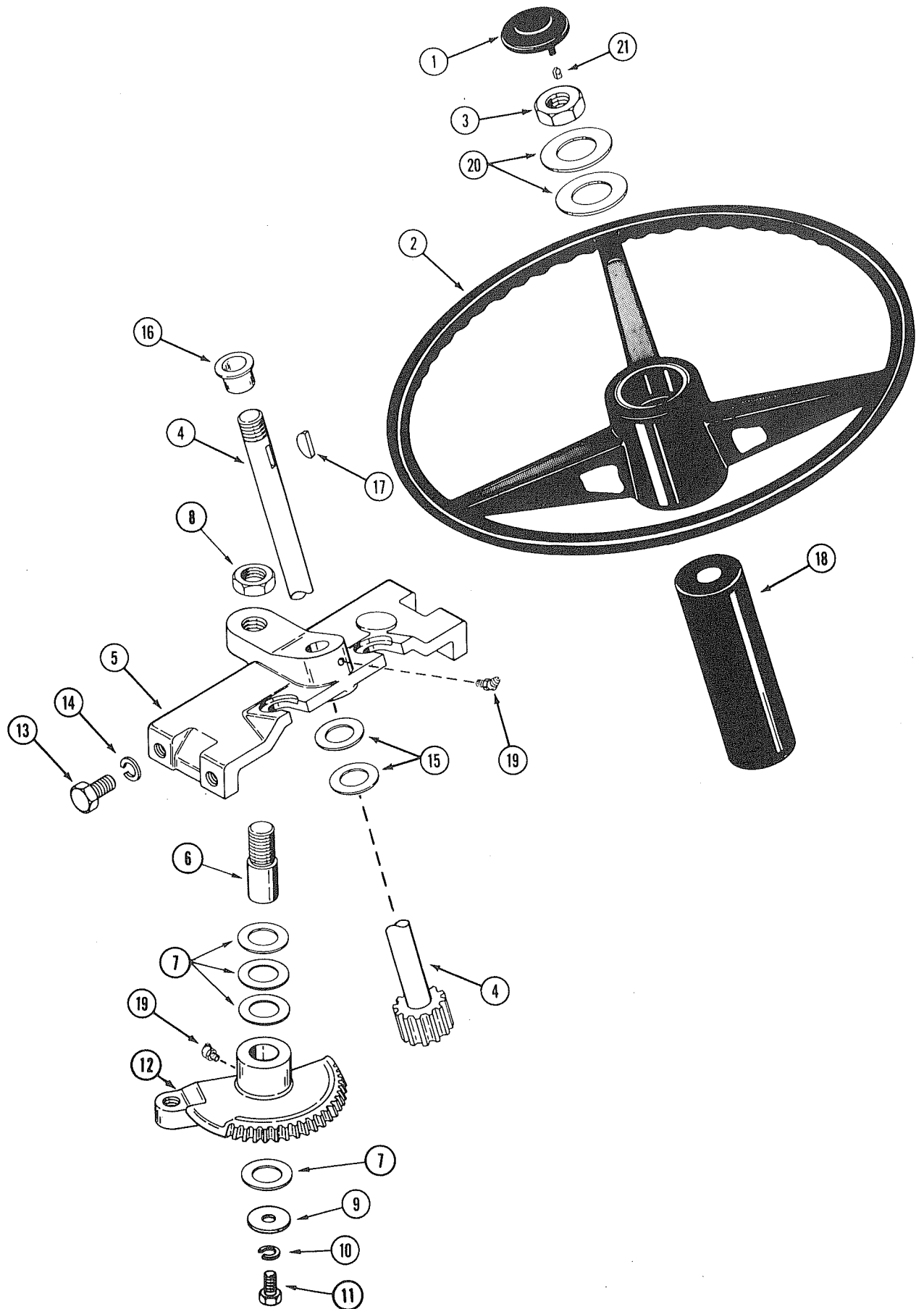
C28263

131-911



FRONT AXLE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 40687	AXLE - front	1
2	NSS	SPINDLE - right hand (use C31341, 132-311, C27902)	1
3	NSS	SPINDLE - left hand (use C31340, 132-311, C27902)	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	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	C 28226	WASHER - wheel spacer	4
12	187- 1910	BOLT - 3/8" N.C. indented hex head	1
13	C 22992	KIT - drag link (includes items 15 and 16).	1
14	192- 23	LOCKWASHER - 1/2" zinc plated	3
15	129- 165	NUT - 1/2" jam N.F. R.H. thread	6
16	129- 365	NUT - 1/2" jam N.F. L.H. thread	2
17	C 21527	BALL JOINT - 1/2" L.H.	2
18	C 21526	BALL JOINT - 1/2" R.H.	2
19	C 22568	PIN - axle pivot	1
20	219- 17	FITTING - lube	2
21	C 21529	TIE ROD	1

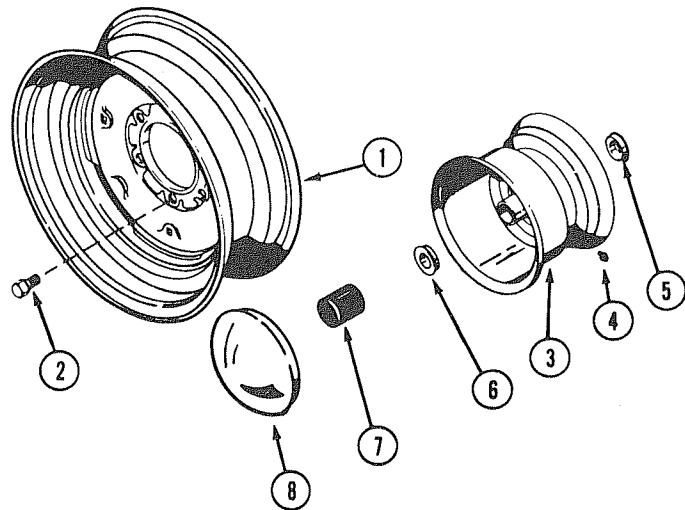
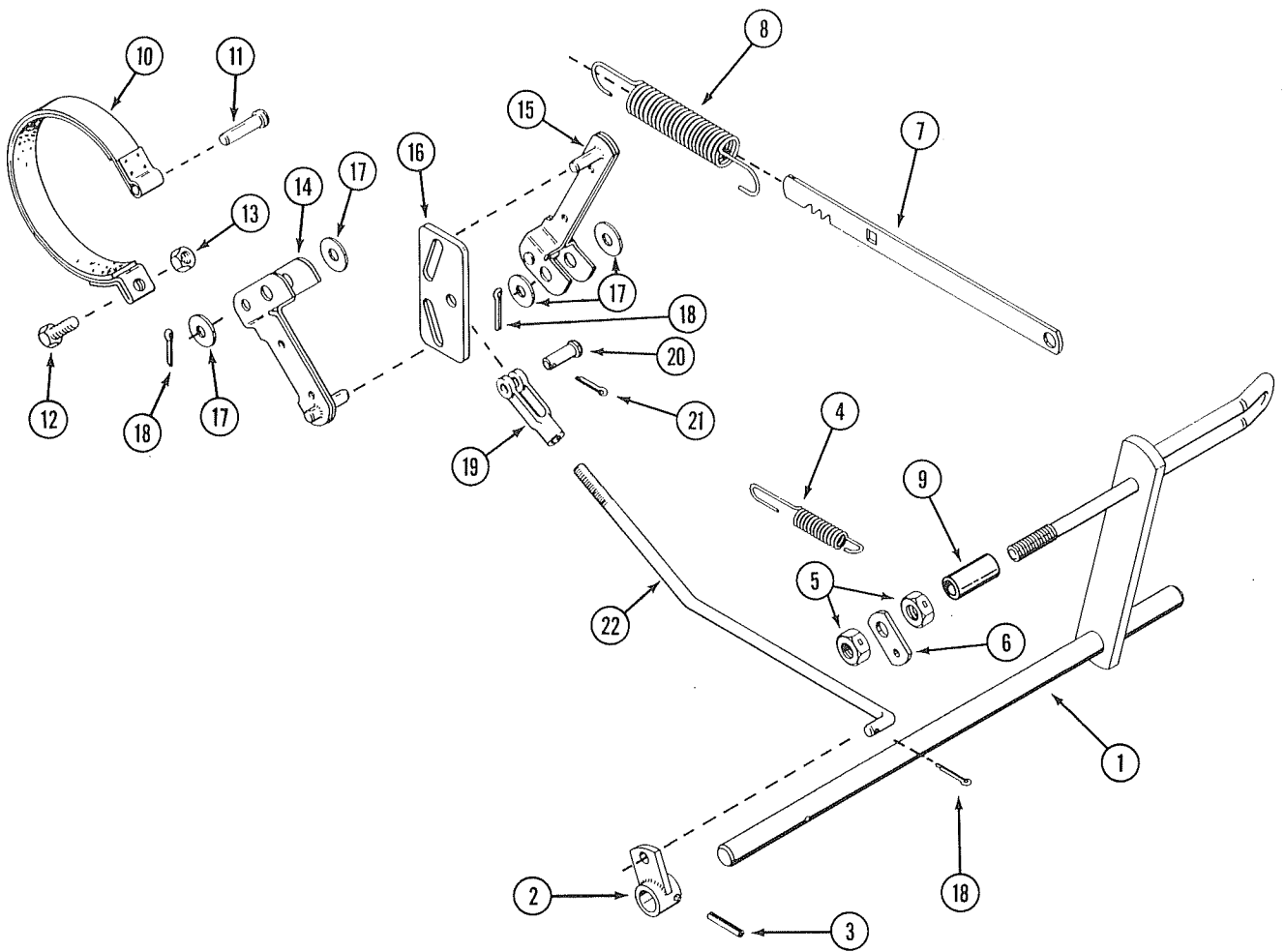


STEERING GEAR

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 16945	CAP - steering wheel	1
2	C 18014	WHEEL - steering	1
3	131- 356	NUT - lock 5/8"	1
4	NSS*	SHAFT - steering	1
5	NSS**	SUPPORT - steering gear	1
6	C 14200	PIN - pivot	1
7	C 14201	WASHER - shim	4
8	129- 48	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" N.C. hex	1
12	C 33309	GEAR - steering	1
13	113- 206	BOLT - 3/8" x 3/4" N.C. 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, steering wheel	2
	C 13106	COVER - lube fitting	2

* Use C26325 & C26326 & 138-143

** Use C44378 & C29044 & C29812, 113-248, 129-103, 192-21, 195-2029

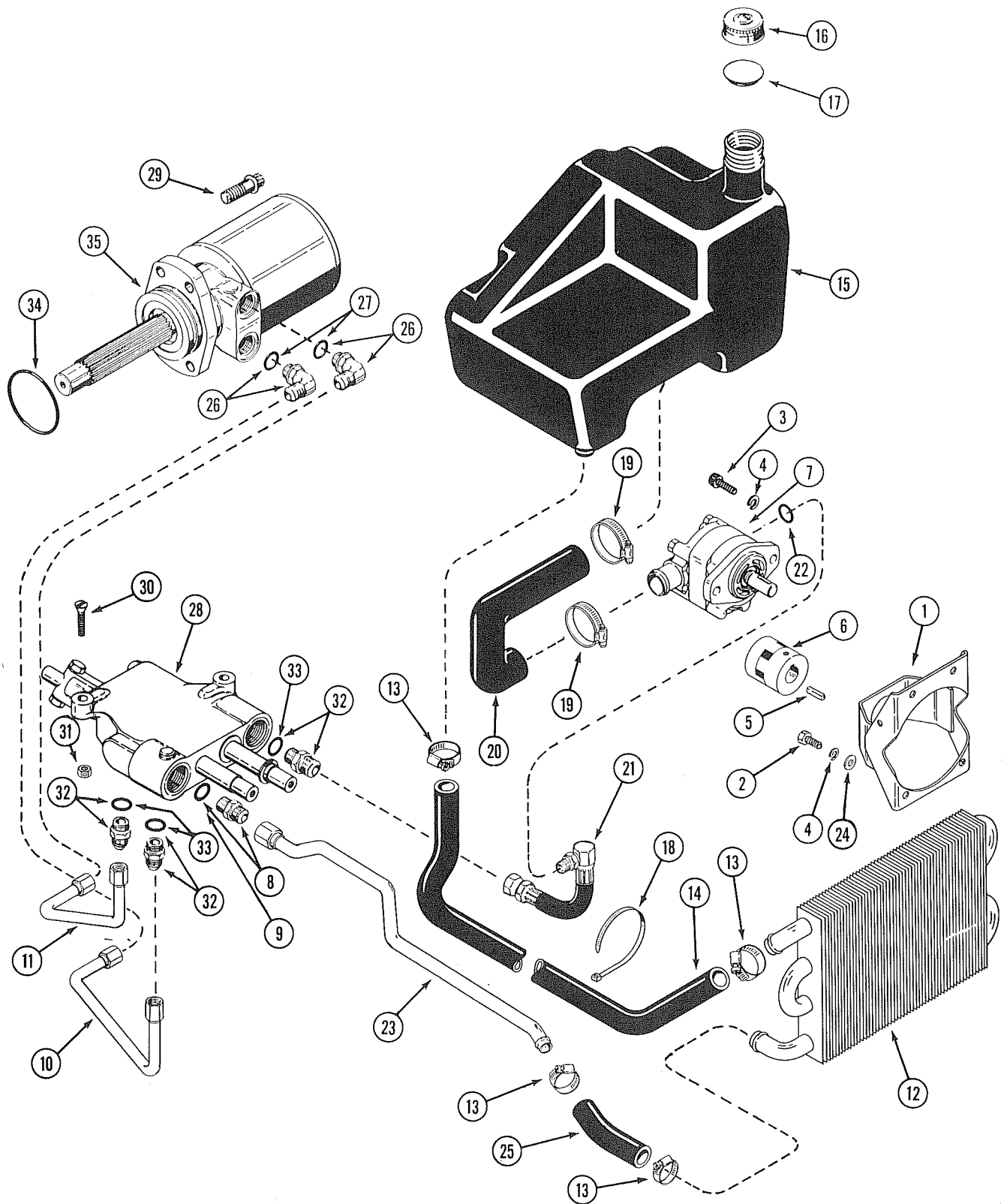


BRAKE ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 22316	PEDAL - brake actuating	1
2	C 26381	ARM - brake pedal	1
3	138- 319	PIN - roll 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 27755	SPRING - brake lock	1
9	C 21857	SPACER - brake pedal	1
10	C 33427	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 40646	GUIDE - brake actuation	1
17	195- 533	WASHER - .531 I.D.	4
18	132- 310	PIN - cotter 1/8" x 1"	3
19	213- 41	CLEVIS	1
20	141- 4	PIN - clevis.	1
21	132- 321	PIN - cotter	1
22	C 24795	ROD - brake	1

FRONT AND REAR WHEELS

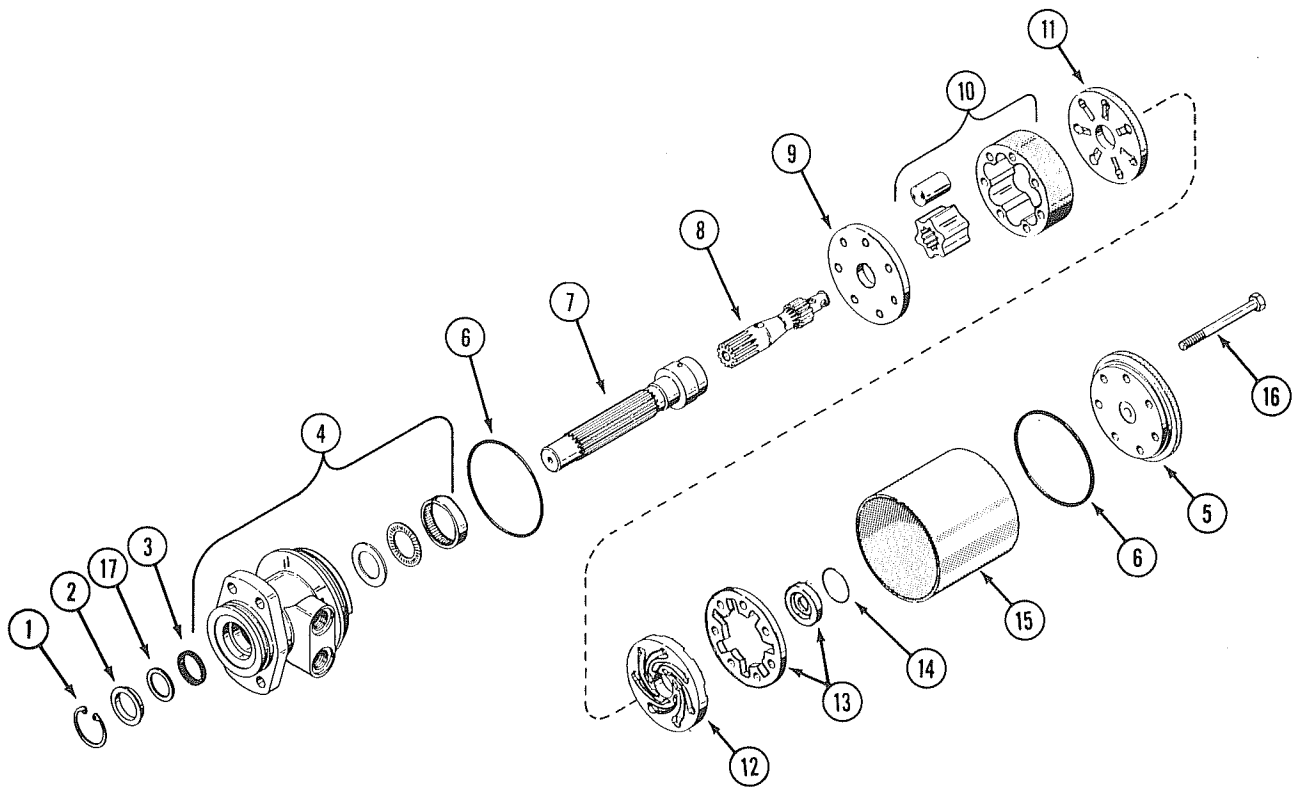
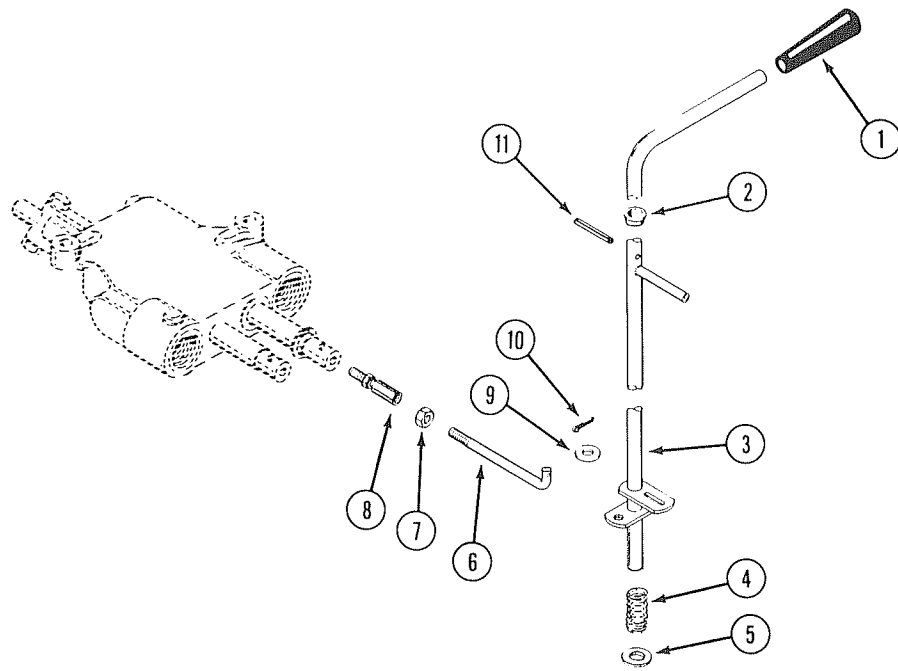
1	C 30917	WHEEL - rear, 6 bolt (white)	2
2	C 27763	BOLT - rear wheel	12
3	C 30912	WHEEL - front (white) (includes items 5 and 6)	2
4	219- 403	FITTING - lube	2
5	C 44499	BEARING - wheel, inner	2
6	C 44499	BEARING - wheel, outer	2
7	C 44478	CAP - plastic, front.	2
8	C 28965	CAP - hub, front wheel (optional)	2
	C 13106	COVER - lube fitting	2



HYDRAULIC SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 26255	SUPPORT - pump mounting	1
2	113- 206	BOLT - 3/8" x 3/4" N.C. hex, support mounting	4
3	61- 616	SCREW - 3/8" x 1" N.C. hex, soc. hd. pump mounting	2
4	192- 21	LOCKWASHER - 3/8" zinc plated.	6
5	C 28980	KEY - square 1/4" x 1" (engine shaft)	1
6	C 25209	COUPLING - pump, 9/16" shaft (See page 43)	1
7	NSS*	PUMP - hyd. 9/16" shaft (repairs page 43).	1
8	218- 5065	FITTINGS - hyd. 3/4" x 7/8" "O" Ring	1
9	218- 5007	"O" RING - 5/8" (for C17236 fitting)	1
10	C 16687	TUBE - valve to lower motor port	1
11	C 17898	TUBE - valve to upper motor port	1
12	C 25784	EXCHANGER - heat.	1
13	214- 254	CLAMP - hose	4
14	C 29697	HOSE - rubber, tank to heat exchanger.	1
15	NSS	RESERVOIR - hydraulic oil (use C33167 kit)	1
16	C 25237	CAP - reservoir (includes insert)	1
17	NSS	INSERT - reservoir cap	1
18	C 22947	TIE - hose clamp	2
19	C 23326	CLAMP - hose	2
20	C 33423	HOSE - rubber, tank to pump.	1
21	C 18797	HOSE - hydraulic, pump to valve.	1
22	218- 5006	"O" RING - 1/2" (for C18797).	1
23	C 26182	TUBE - valve to heat exchanger	1
24	195- 104	WASHER - 3/8"	4
25	C 29697	HOSE - rubber, 4"	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 25967	VALVE - hydraulic control, two spool (repairs page 45)	1
29	166- 86	SCREW - 1/2" x 1-1/4" N.C. flanged 12 pt.	4
30	171- 247	SCREW - 5/16" x 1-1/4" N.C. flat hd. machine	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" (for C18321).	3
34	C 28949	SEAL - motor to transmission.	1
35	C 14655	MOTOR - hydraulic (repairs page 41)	1

*Use C26278, C15724, C17300

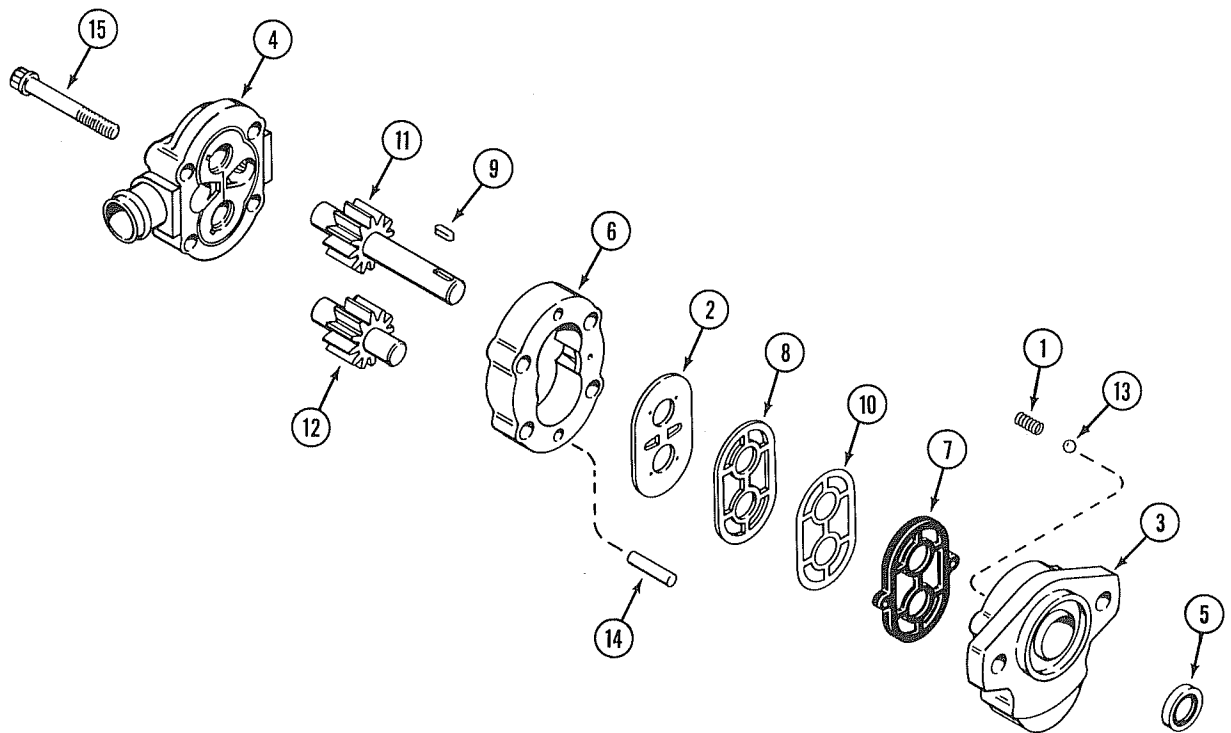
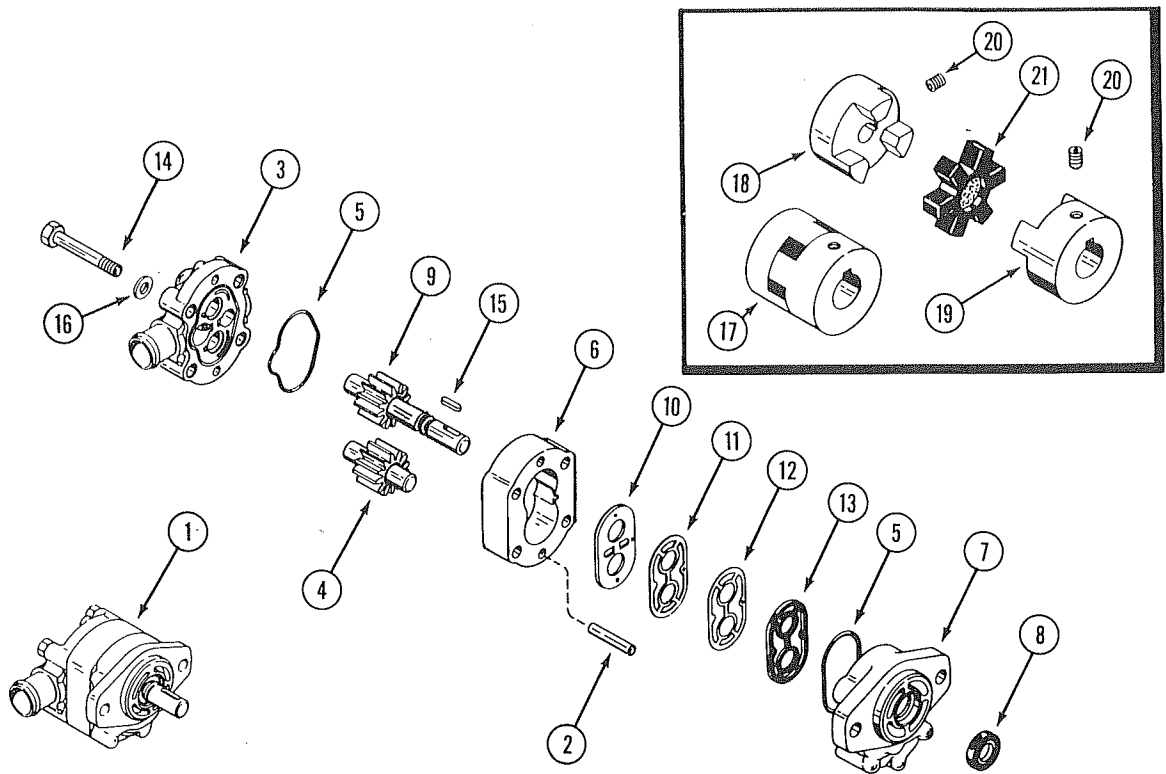


SPEED CONTROL

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 28237	KNOB - speed control	1
2	C 27593	BUSHING - lever	1
3	NSS	LEVER - speed control (use C29407, C28003).	1
4	C 27822	SPRING - compression	1
5	C 21518	WASHER - nylon	1
6	C 18742	ROD - control	1
7	129- 122	NUT - 5/16" N.F. 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- 2072	PIN - roll 1/8" x 1-3/4"	1

HYDRAULIC DRIVE MOTOR

	C 14655	MOTOR - hydraulic	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	C 14829	DRIVE LINK	1
9	C 14830	PLATE - wear	1
10	C 14831	ROTOR ASSEMBLY	1
	NSS	KIT - manifold (use complete motor)	1
11	NSS	PLATE - manifold	1
12	NSS	MANIFOLD	1
13	NSS	COMMUTATOR AND RING SET (use complete motor)	1
14	NSS	RING - sealing (See kit below)	1
15	C 14836	SLEEVE	1
16	C 14838	BOLT - 3/8" x 4-3/8" N.F. hex.	7
17	NSS	WASHER - back up, .010" (see kit below).	1
	C 29732	KIT - "O" ring and seal	1
	NSS	RING - sealing	1
	NSS	SEAL - dirt (not used - throw away item)	1
	NSS	SEAL	2
	NSS	SEAL	1
	NSS	RING - retaining	1
	NSS	SPACER - seal	1
	NSS	WASHER - back up, .010"	1



HYDRAULIC PUMP AND COUPLING (PARKER-HANNIFIN)

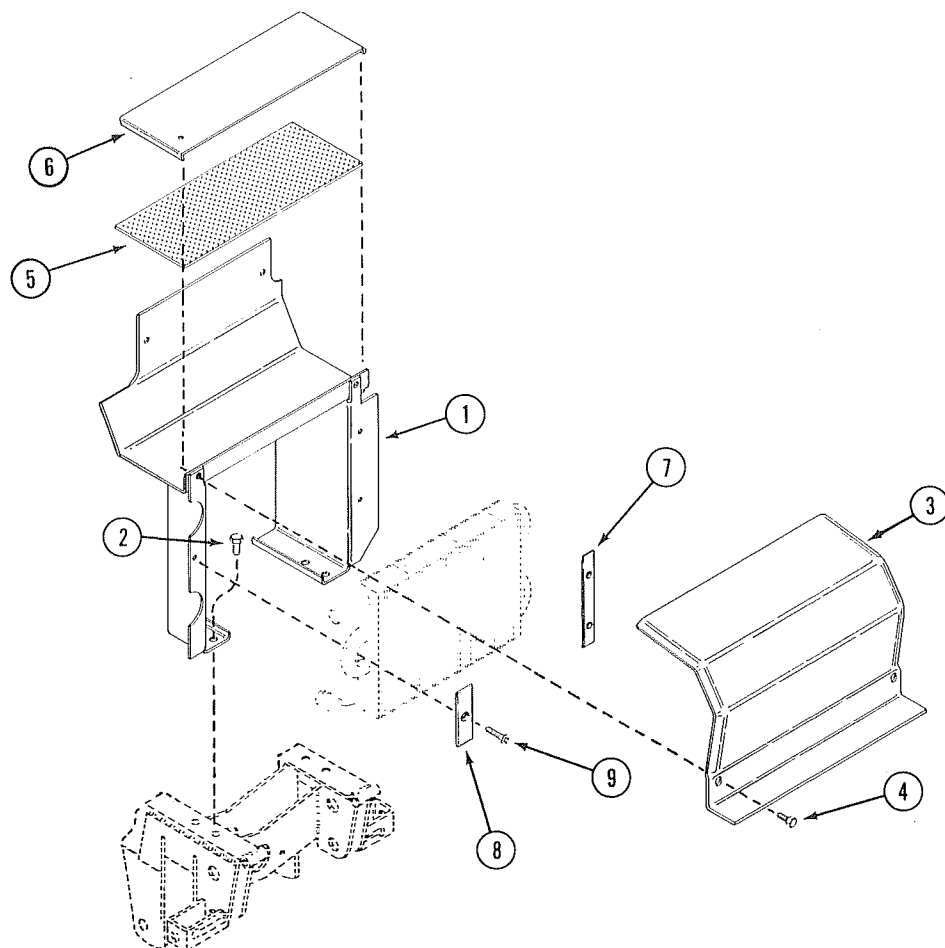
REF.	PART NO.	DESCRIPTION	REQ'D
1	NSS	PUMP - hyd. 9/16" shaft (use C26278, C15724, C17300)	1
2	F 53109	PIN - dowel	2
3	C 24861	COVER - rear	1
4	C 15731	GEAR ASSEMBLY - driven	1
5	C 15732	"O" RING - cover	2
6	C 15733	BODY - pump	1
7	C 15734	COVER - front	1
8	C 15735	SEAL - shaft	1
9	NSS	GEAR ASSEMBLY - 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 28215	KEY - 3/16" square	1
16	C 19115	WASHER	4
17	C 25209	COUPLING - pump	1
18	NSS	HUB - (order item 17)	1
19	NSS	HUB - (order item 17)	1
20	C 32199	SCREW - set 5/16" x 5/16" NC socket head	2
21	C 15036	SPIDER - (for C17298 coupling)	1

HYDRAULIC PUMP (CESSNA)

	NSS*	PUMP - hyd. 9/16" shaft	1
1	C 28709	SPRING	2
2	C 28718	DIAPHRAGM - wear plate	1
3	NSS*	COVER - front	1
4	NSS*	COVER - rear	1
5	C 28711	SEAL - shaft	1
6	NSS*	BODY - pump	1
7	C 28712	SEAL - diaphragm	1
8	C 28714	GASKET - back up	1
9	C 28215	KEY - 3/16" square x .609	1
10	C 28713	GASKET - back up	1
11	NSS*	GEAR ASSEMBLY - drive	1
12	NSS*	GEAR ASSEMBLY - drive	1
13	211- 306	BALL - steel 7/32"	2
14	C 28715	PIN - dowel 1/4" x 1-1/4"	2
15	O/L	BOLT - 5/16" - 18 x 2-1/2" 12 pt. flange	4

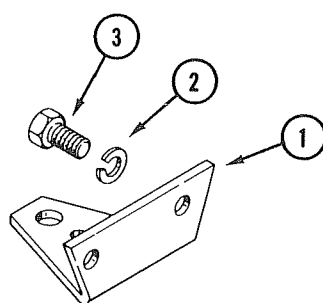
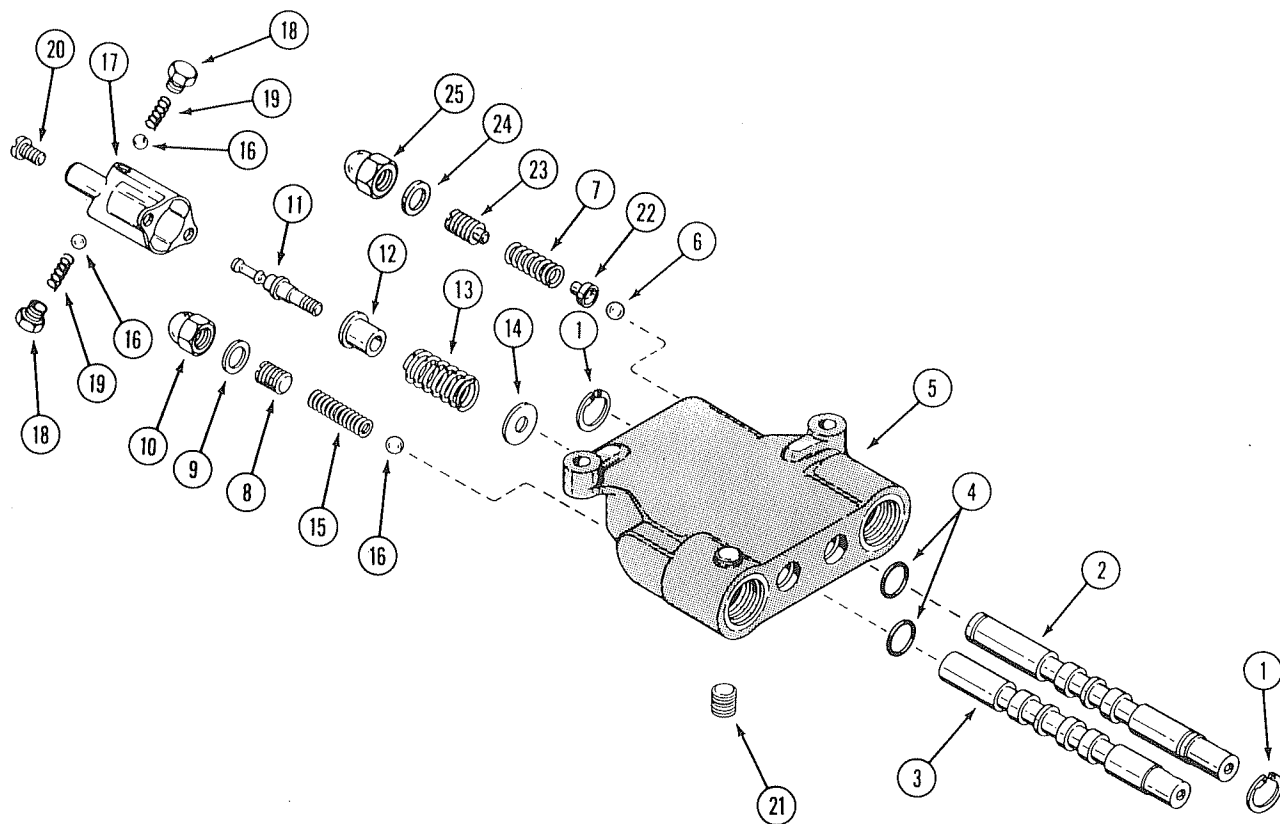
** use C26278, C15724, C17300

43A.



HEAT EXCHANGER MOUNTS AND MUFFLER SHIELDS

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 23482	SUPPORT - heat exchanger	1
2	113- 118	BOLT - 5/16" x 5/8"	4
3	C 26455	SHIELD - heat, muffler	1
4	113- 1	BOLT - 1/4" - 20 x 1/2" hex	2
5	C 23558	PAD - insulation	1
6	C 23559	RETAINER - insulation	1
7	C 14246	BRACKET - heat exchanger L.H.	1
8	C 25556	BRACKET - heat exchanger R.H.	1
9	187- 1252	SCREW - 1/4" x 1-1/2" flat head Phillips	3

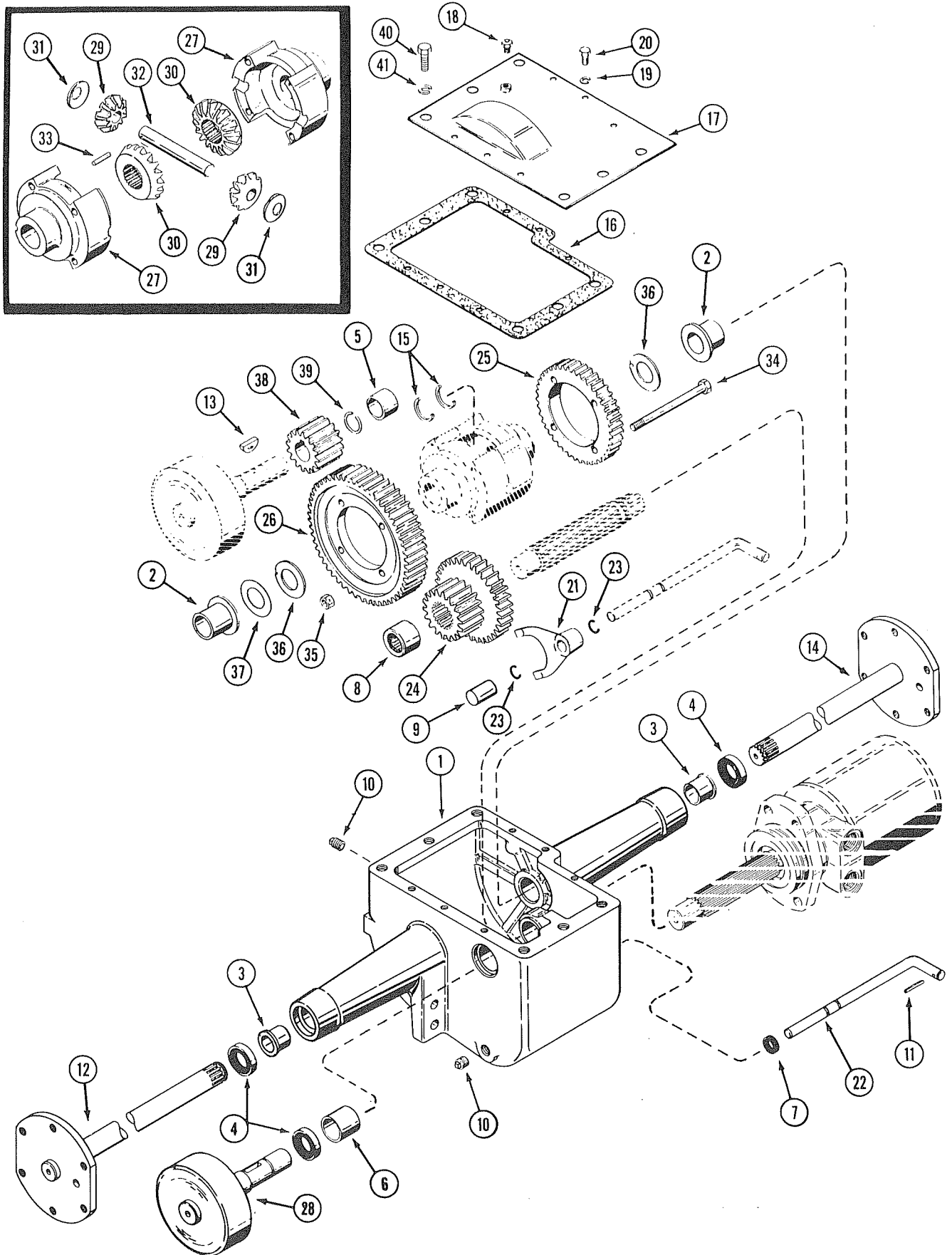


HYDRAULIC CONTROL VALVE (TWO SPOOL)

REF.	PART NO.	DESCRIPTION	REQ'D
	C 25967	VALVE - control, two spool.	1
1	C 28699	RING - retaining	2
2	NSS	SPOOL - motor (Order C25967)	1
3	NSS	SPOOL - float (Order C25967)	1
4	C 28856	SEAL - spool	4
5	NSS	BODY - valve (Order C25967)	1
6	211- 208	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	NSS	SPRING - detent return (use C21511 kit)	1
14	C 17440	WASHER - return.	1
15	NSS	SPRING - relief (use C21511 kit)	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 21521	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

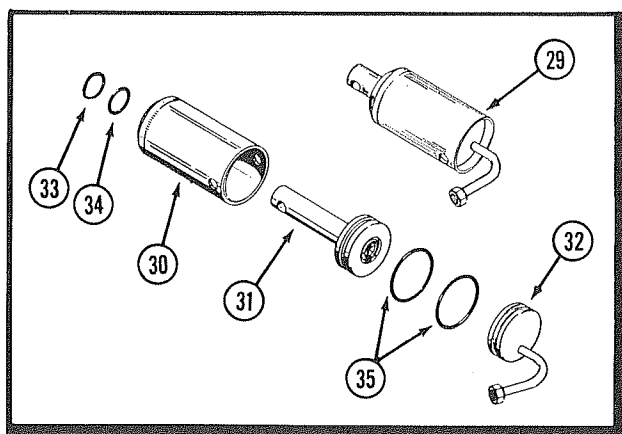
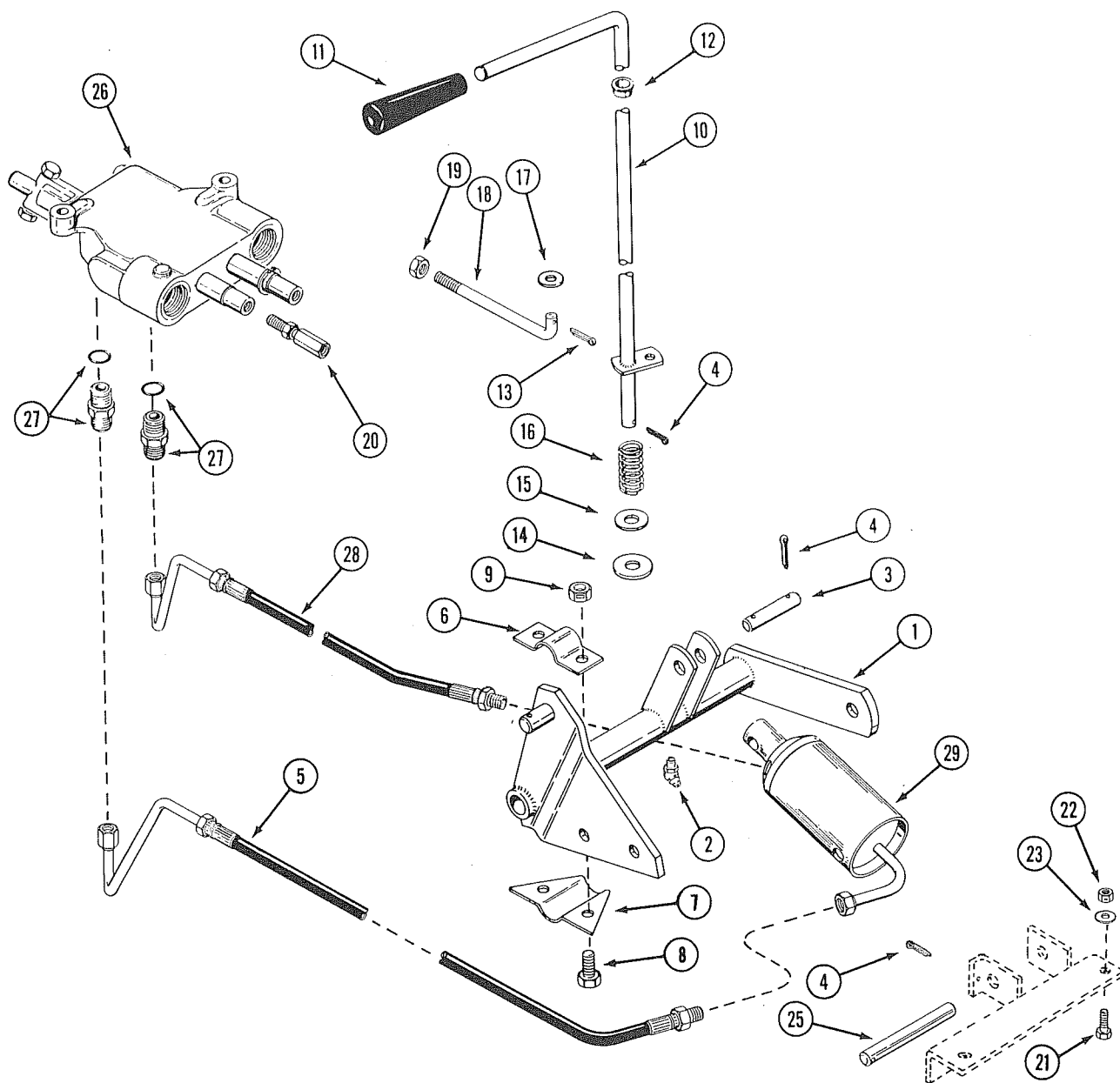
DRAWBAR AND TOW HITCH

1	C 13360	DRAWBAR.	1
2	192- 23	LOCKWASHER - 1/2" ZP	2
3	113- 424	BOLT - 1/2" x 1" N.C. hex ZP	2



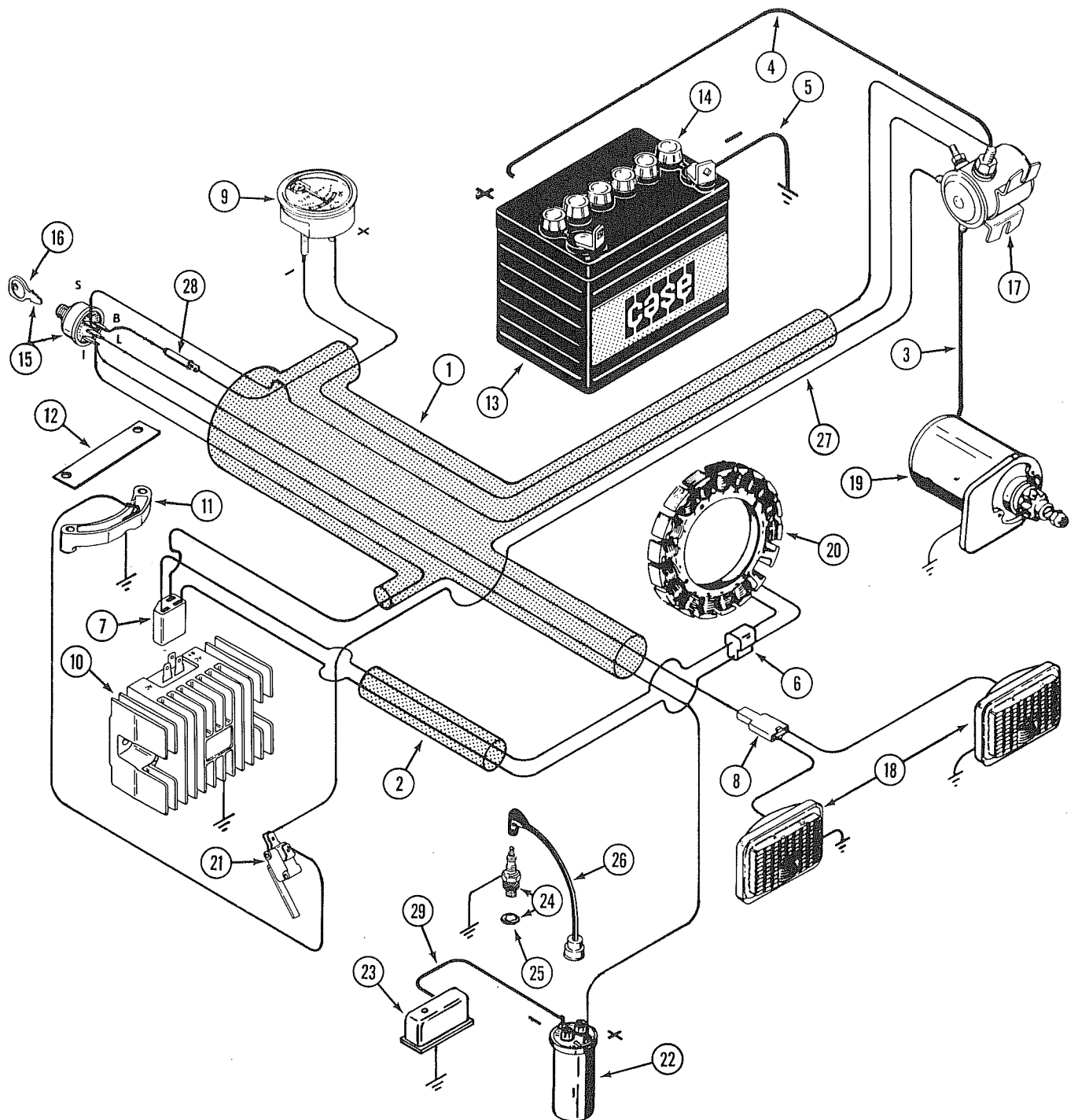
TRANSMISSION AND FINAL DRIVE

REF.	PART NO.	DESCRIPTION	REQ'D
	C 24843	CASE ASSEMBLY - transmission (used S/N 9755072 and after)	1
1	NSS	CASE - transmission (used prior to S/N 9755072)(order C24843 assembly and C24802 rod)	1
1	NSS	CASE - transmission (used S/N 9755072 and after)(order C24843 assembly)	1
2	C 12713	BEARING - flanged	2
3	C 16744	BEARING - flanged (used prior to S/N 9755072)	2
3	C 24804	BEARING - flanged (used S/N 9755072 and after)	2
4	C 24803	SEAL - shaft (used S/N 9755072 and after)	3
4	C 14531	SEAL - shaft (used prior to S/N 9755072)	3
5	C 13241	BEARING - sleeve	1
6	C 13385	BEARING - sleeve	1
7	C 13266	SEAL - shift rod	1
8	C 28281	BEARING - roller (used S/N 9755072 and after)	1
8	C 13211	BEARING - roller (used prior to S/N 9755072)	1
10	221- 4	PLUG - filler and drain 1/2"	2
11	138- 319	PIN - roll 3/16" x 1-1/2"	1
12	C 22638	SHAFT - axle, short R.H.	1
13	126- 128	KEY - Woodruff, brake idler.	1
14	C 22637	SHAFT - axle, long L.H.	1
15	C 26342	RING - retainer, axle.	2
16	C 13196	GASKET - transmission cover	1
17	C 36935	COVER - transmission	1
18	C 28241	BREATHER - transmission.	1
19	192- 19	LOCKWASHER - 1/4"	6
20	113- 1	BOLT - 1/4" x 1/2" N.C. hex	6
21	C 12725	FORK - shift	1
22	C 16339	ROD - gear shift(used prior to S/N 9755072)	1
22	C 37222	ROD - gear shift(used S/N 9755072 and after)	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	NSS	KIT - diff. case (includes Ref. 34 and 35)	1
28	NSS	BRAKE DRUM (use C25258 & C25254)	1
	C 24192	KIT - pinion and side gear	1
29	NSS	GEAR - differential pinion	2
30	NSS	GEAR - differential.	2
31	NSS	WASHER - pinion thrust	2
32	NSS	PIN - differential cross.	1
33	NSS	PIN - differential cross lock	1
34	28- 680	SCREW - 3/8" x 5" N.F. hex cap	4
35	131- 1133	NUT - lock 3/8" N.F. hex	4
36	C 12718	WASHER - differential	2
37	C 14223	WASHER - spacer.	UAR
38	NSS	GEAR - brake idler (use C25254 & C25258)	1
39	C 14222	RING - retainer, brake idler	1
40	113- 424	BOLT - 1/2" - 13 x 1" hex	3
40	166- 86	BOLT - 1/2" - 13 x 1-1/4" flange	1
41	192- 23	LOCKWASHER - 1/2"	4
42	C 25177	DIFFERENTIAL	1



HYDRAULIC LIFT

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 19661	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"	5
5	NSS	HOSE - long (use C44753, 218-5134)	1
6	C 17249	BRACKET - mounting top	2
7	C 17250	BRACKET - mounting, bottom	2
8	113- 207	BOLT - 3/8" x 1" N.C. hex	4
9	131- 1181	NUT - 3/8" N.C. hex	4
10	C 29408	LEVER - lift control	1
11	C 29237	KNOB - control lever	1
12	C 27593	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 27822	SPRING - control lever	1
17	195- 521	WASHER - 5/16"	1
18	C 18742	ROD - control	1
19	129- 122	NUT - 5/16" N.F. hex	1
20	C 19025	BALL JOINT	1
21	113- 207	BOLT - 3/8" x 1" N.C. hex	2
22	131- 1181	NUT - lock 3/8" N.C. hex	2
23	195- 104	WASHER - 3/8" x 1-1/8" O.D.	2
25	C 26188	PIN - cylinder foot	1
26	C 21496	VALVE - hydraulic, two spool	1
27	218- 5056	FITTING - valve (includes 218-5004 "O" ring)	2
28	NSS	HOSE - short. (use C44742, 218-5134, 218-1093)	1
29	NSS	CYLINDER - lift (use C26493 & C30049)	1
30	NSS	BODY - cylinder	1
31	NSS	ROD AND PISTON ASSEMBLY (use C26493)	1
32	NSS	FOOT - cylinder	1
33	NSS	SEAL	1
34	NSS	"O" RING	1
35	NSS	"O" RING	2
	C 30054	KIT - seal, cylinder	1
	C 13106	COVER - lube fitting	1

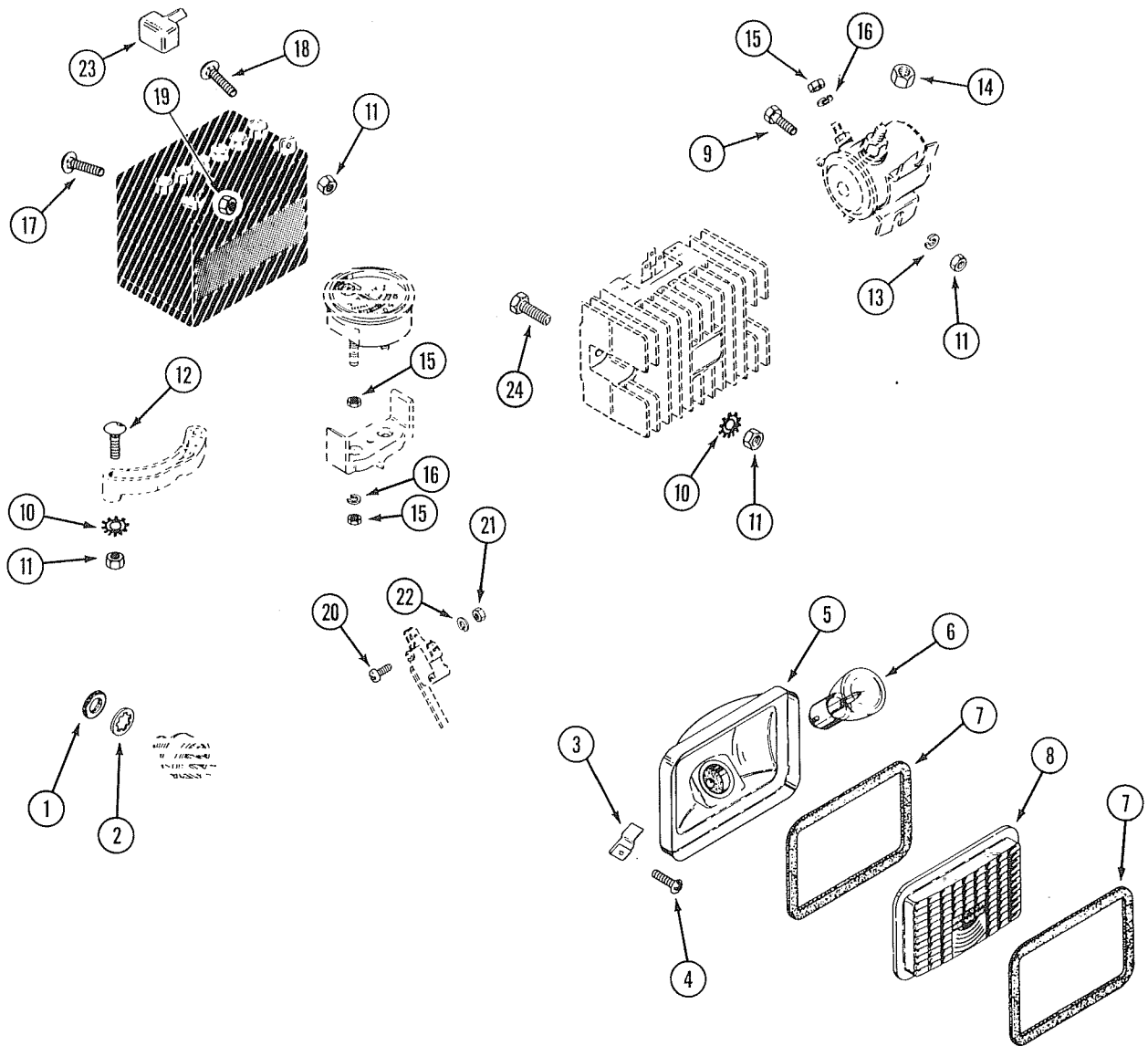


ELECTRICAL SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 24898	HARNESS - wire	1
2	C 24815	HARNESS - wire	1
3	C 24809	CABLE - solenoid to starter (black)	1
4	C 14565	CABLE - solenoid to battery positive (red)	1
5	C 24814	CABLE - battery negative to ground (black)	1
6	C 24813	CONNECTOR - stator	1
7	C 19378	CONNECTOR - rectifier	1
8	C 14537	CONNECTOR - lights	1
9	C 29413	AMMETER - 30 amps, 12v	1
10	NSS*	RECTIFIER - voltage, 12v.	1
11	C 23002	SWITCH - neutral start (includes wire).	1
12	C 21989	INSULATOR - locator.	1
13	C 41010	BATTERY - 12v	1
14	NLA	CAP - battery	6
15	C 30268	SWITCH ASSEMBLY - ignition (includes key and lockwasher)	1
16	C 32407	KEY - ignition.	1
17	NSS**	SOLENOID - start 12v.	1
18	C 22571	HEADLAMP ASSEMBLY - 12v (repairs page 53)	2
19	C 29733	STARTER - bendix drive (repairs page 17)	1
20	C 24956	STATOR	1
21	C 26108	SWITCH - neutral start, PTO	1
22	C 29752	COIL - ignition, 12v	1
23	C 29990	BREAKER CONTACT ASSEMBLY - ignition (repairs page 19)	1
24	C 25845	SPARK PLUG - (includes gasket).	2
25	C 28673	GASKET - spark plug	1
26	C 32299	KIT - high tension cable.	1
27	C 24896	WIRE - solenoid to micro switch	1
28	NLA	FUSE - 20 amp (included in C24808 harness)	1
29	C 29992	WIRE - breaker contacts to coil negative	1

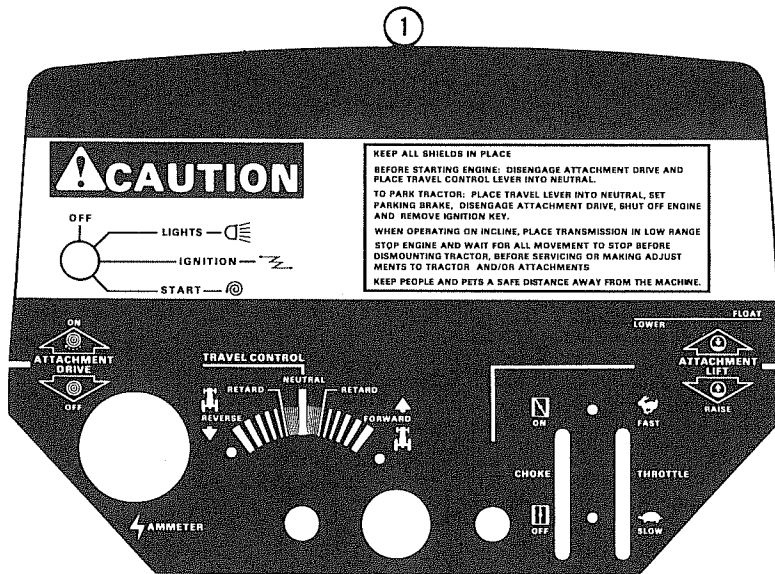
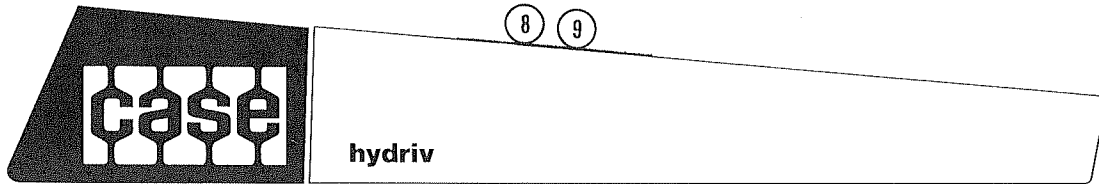
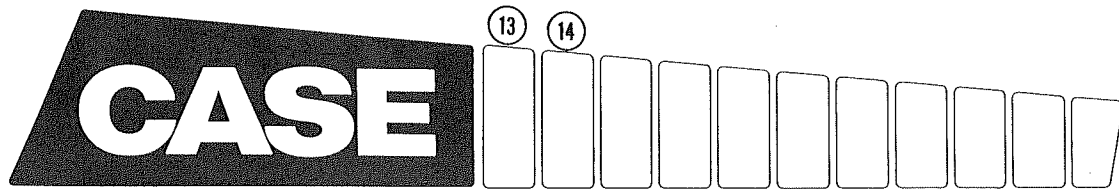
* Use C25486, C26670, C31249

** Use C33024, C33026, 129-101, 192-19



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- 1334	SCREW - #8 x 1/2" self tapping, rd. head Phillips	4
	C 32178	HEADLAMP ASSEMBLY	2
5	NSS	RECEPTACLE - headlamp (order C32178)	1
6	C 28932	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	4
11	129- 101	NUT - 1/4" - 20 hex	2
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	8
16	193- 26	LOCKWASHER - #10	8
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	C 33697	NUT - #4 - 40 hex	2
22	192- 13	LOCKWASHER - #4	2
23	C 24069	COVER - terminal	1
24	113- 3	BOLT - 1/4" - 20 x 3/4" hex	2



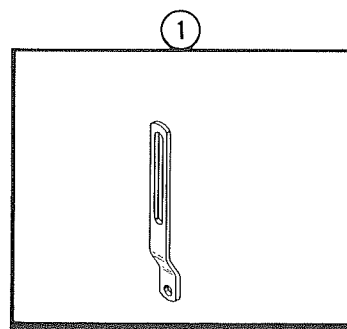
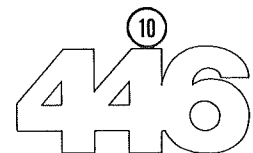
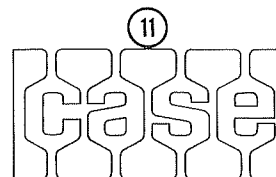
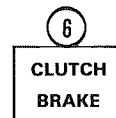
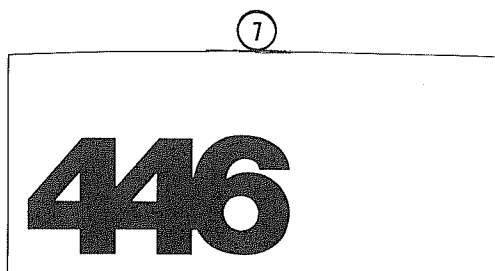
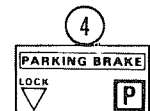
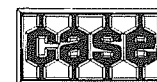
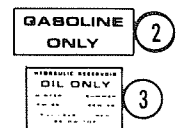
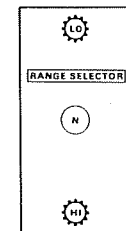
CASE

16

446

12

hydriv



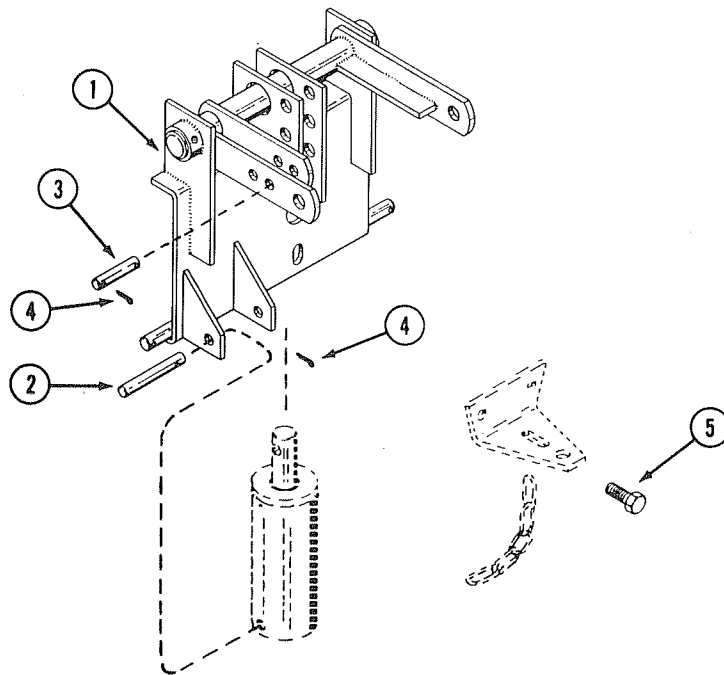
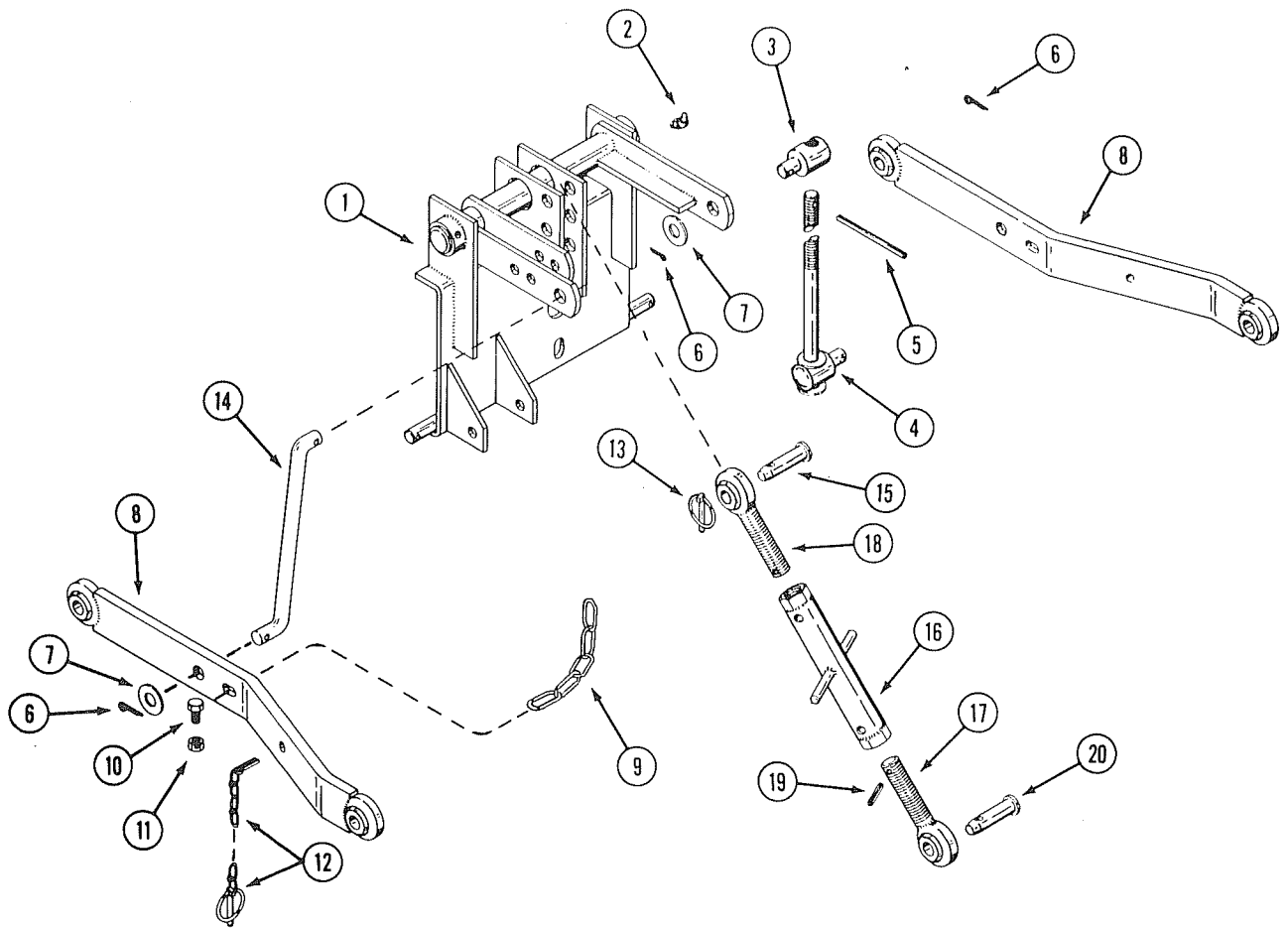
DECALS

(English)

REF.	PART NO.	DESCRIPTION	REQ'D
1	321- 3585	DECAL - instrument panel	1
2	C 29031	DECAL - gasoline	1
3	321- 4767	DECAL - hydraulic reservoir.	1
4	C 27481	DECAL - parking brake.	1
5	C 33589	DECAL - shift range	1
6	C 26932	DECAL - clutch, brake	1
7	321- 4166	DECAL - hood top (used prior to S/N 9756430)	1
8	321- 4155	DECAL - hood R.H. (used prior to S/N 9756430)	1
9	321- 4156	DECAL - hood L.H. (used prior to S/N 9756430)	1
10	321- 4153	DECAL - fender, "446" (used prior to S/N 9756430)	1
11	321- 2677	DECAL - fender, "Case" (used prior to S/N 9756430)	1
12	321- 5107	DECAL - hood top (used S/N 9756430 and after)	1
13	321- 5100	DECAL - hood R.H. (shown) (used S/N 9756430 and after)	1
14	321- 5101	DECAL - hood L.H. (used S/N 9756430 and after)	1
15	321- 5040	MEDALLION - "Case" (used S/N 9756430 and after)	1
16	321- 5097	DECAL - "Case" seatback (used S/N 9756430 and after).	1

MOWER LIFT LINK

1	C 25702	LINK - lift, rotary mower (shipped loose with tractor)	1
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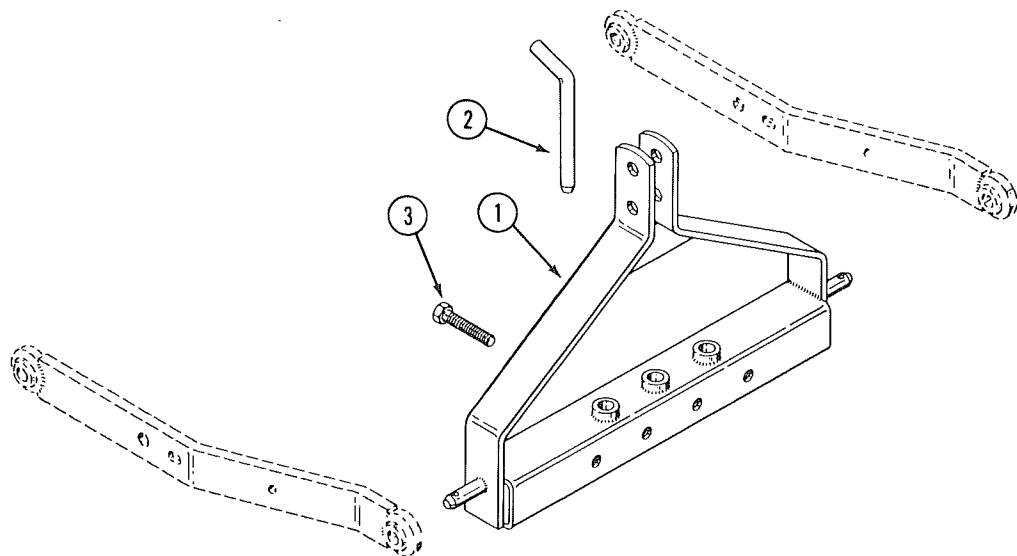
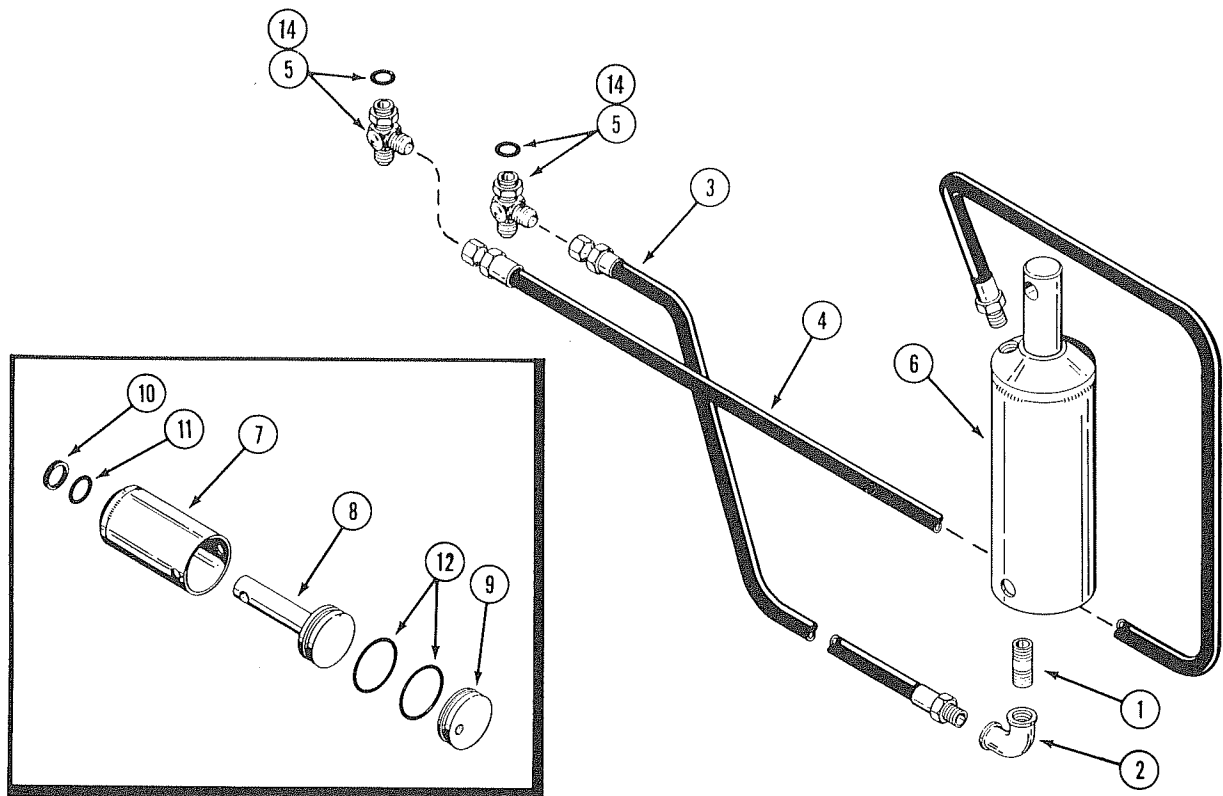


H26, J26 THREE POINT HITCH FRAME, LIFT RODS AND ARMS

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 19740	HITCH PLATE ASSEMBLY	1
2	219- 405	FITTING - lube	2
	C 24447	ROD ASSEMBLY - R.H. lift.	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" N.C. hex, zinc plated	2
11	131- 176	NUT - lock 5/16" N.C. hex	2
12	B 52118	PIN - klik	2
13	C 28985	PIN - klik	3
14	C 28222	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 32427	BALL END ASSEMBLY L.H. thread	1
19	138- 59	PIN - roll 1/8" x 7/8"	2
20	C 14717	PIN - clevis 5/8" x 3"	1

CYLINDER AND DRAWBAR MOUNTING

1	C 19740	HITCH PLATE ASSEMBLY	1
2	C 26188	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" N.C., hex, zinc plated	2

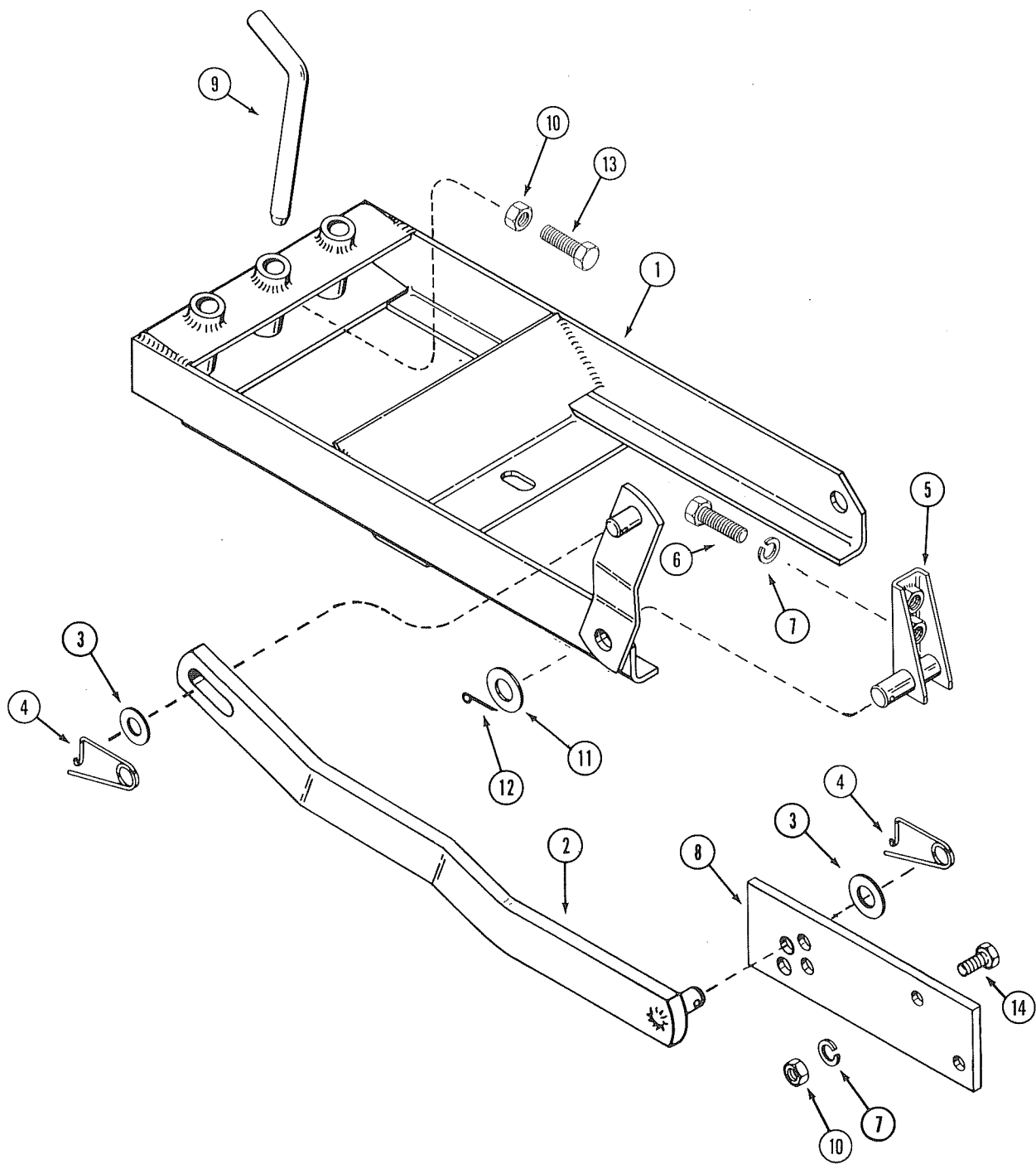


**MODEL H26, J26 THREE POINT HITCH AND MODEL
F27 HITCH ADAPTER
HYDRAULIC CONNECTIONS AND COMPONENTS**

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 (use C26494, C26188)	1
7	C 19476	BODY - cylinder (also use C26188)	1
8	C 19469	ROD AND PISTON ASSEMBLY	1
9	NSS	FOOT - cylinder (order complete cylinder)	1
10	NSS	SEAL - wiper.	1
11	NSS	"O" RING	1
12	NSS	"O" RING	2
13	C 17268	KIT - seal (Consists of items 10, 11 and 12).	1
14	218- 5479	FITTING - tee, swivel (late production)	2

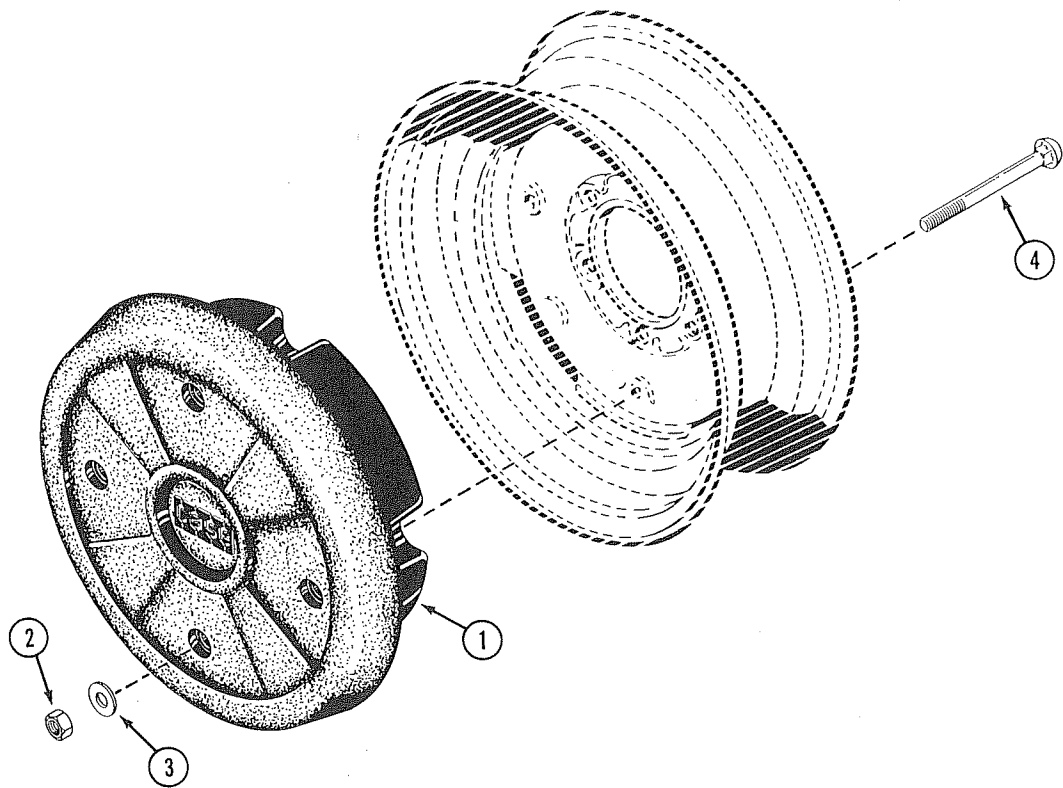
MODEL F27 HITCH ADAPTER

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



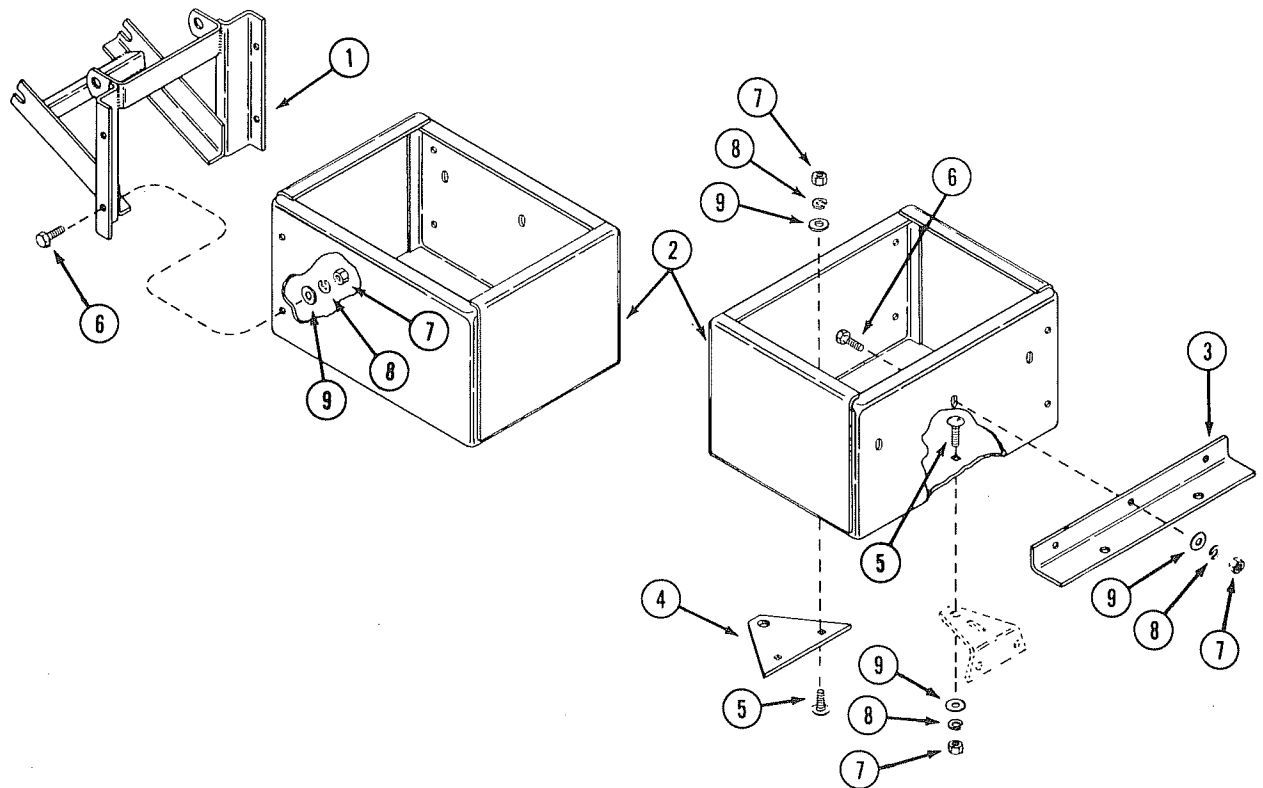
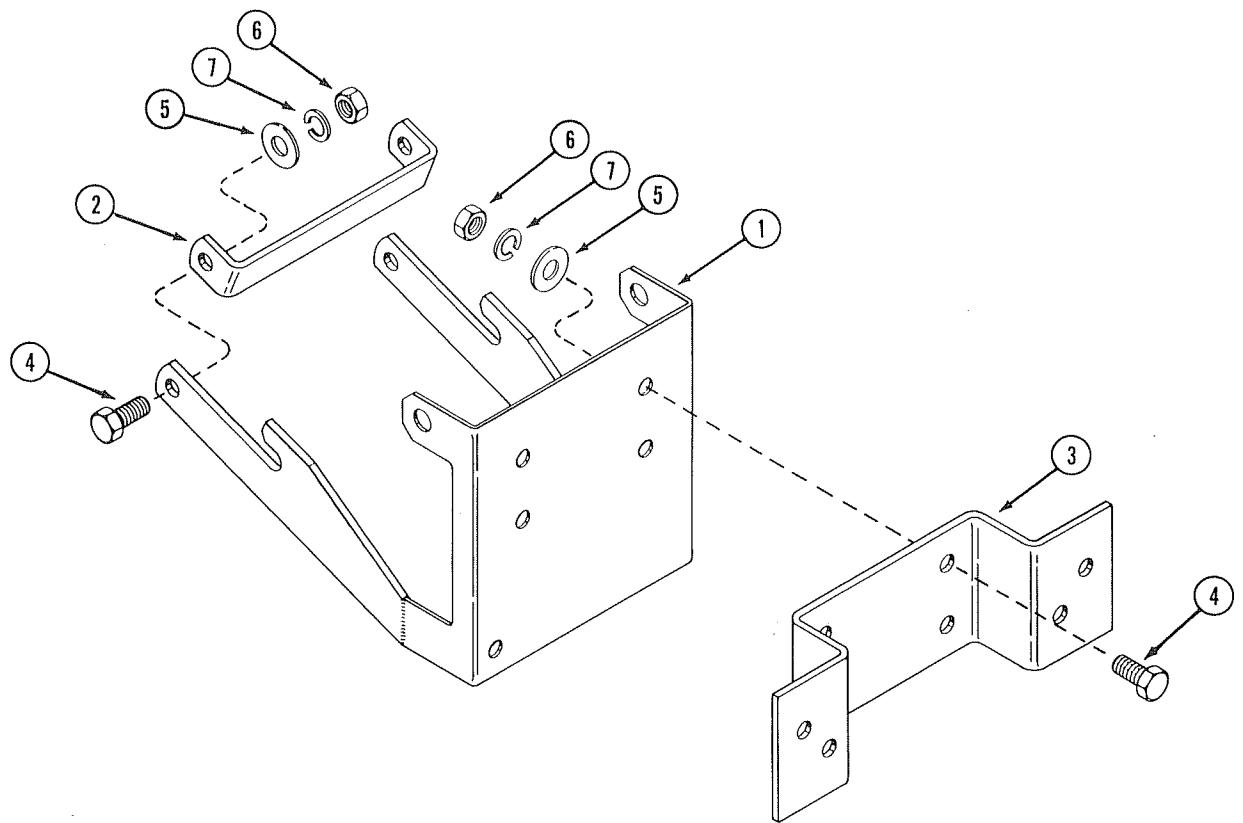
J24, K24 SLEEVE HITCH

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 22218	HITCH FRAME ASSEMBLY	1
2	C 25371	ARM - lift (K24) (use S/N 9770165 and after)	1
2	C 14457	ARM - lift (J24) (use before S/N 9770165)	1
3	195- 541	WASHER - plain 21/32"	2
4	C 10898	PIN - safety	2
5	C 14459	BRACKET - hitch mounting R.H.	1
5	C 25789	BRACKET - hitch mounting L.H.	1
6	113- 2400	BOLT - 1/2" x 1-3/8" N.C. hex, zinc plated	6
7	192- 23	LOCKWASHER - 1/2" zinc plated	6
8	C 25382	PLATE - lift lever	1
9	C 14568	PIN - drawbar	1
10	129- 105	NUT - 1/2" N.C. 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	22- 844	BOLT - 1/2" x N.C. hex, zinc plated 2-3/4"	2
14	113- 417	BOLT - 1/2" - 13 x 1-1/4	2



K10 WHEEL WEIGHTS

REF.	PART NO.	DESCRIPTION	REQ'D
1	NSS	WEIGHT - wheel, 75 lb. (order as machinery item)	2
2	131- 1182	NUT - 1/2" N.C. hex	8
3	195- 533	WASHER - 1/2"	8
4	111- 525	BOLT - 1/2" x 6" rd. hd. sq. neck	8

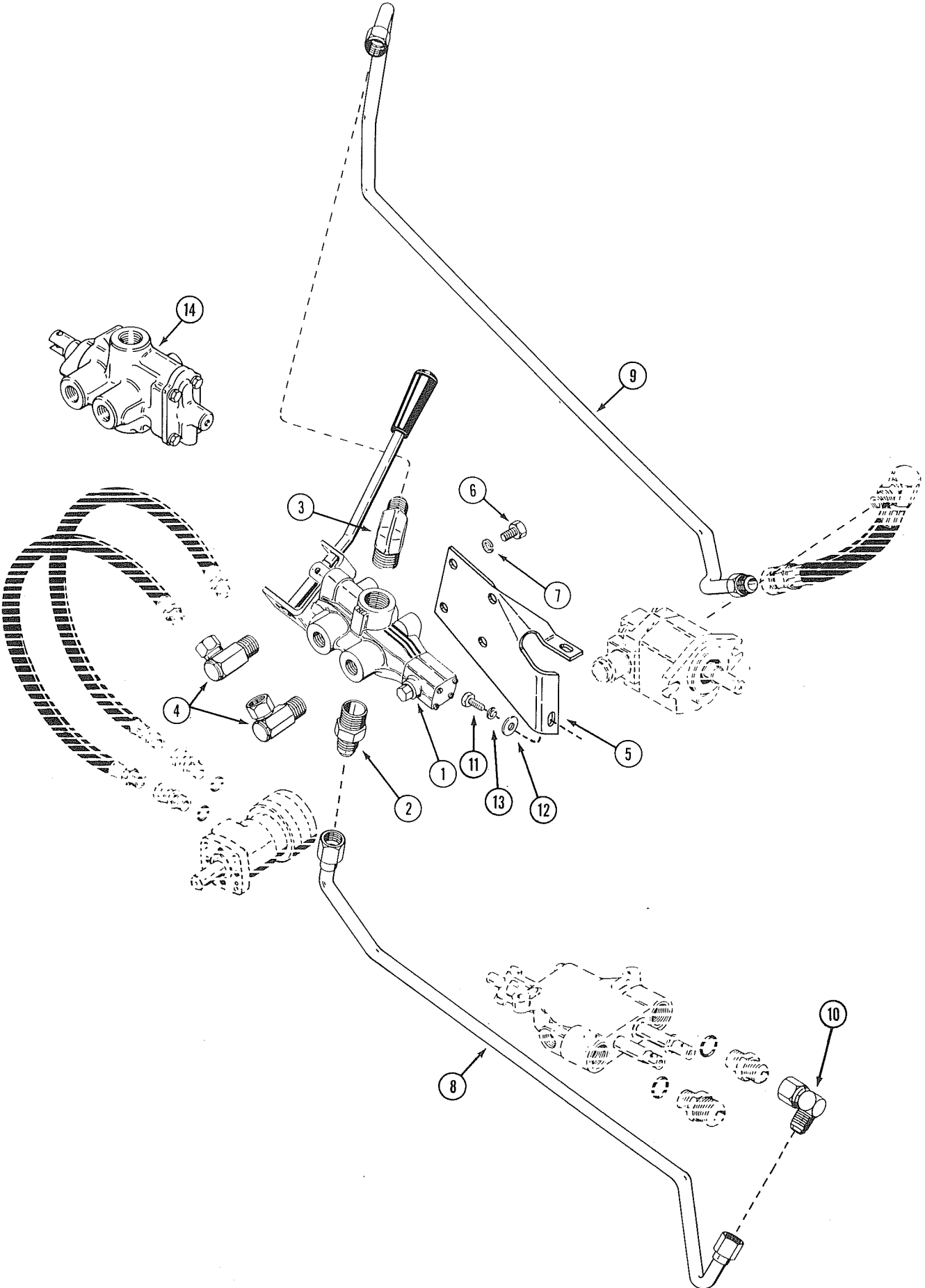


MODEL K18 FRONT END WEIGHT BRACKETS

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 1-1/2" N.C. hex, zinc plated	6
5	195- 533	WASHER - 1/2" zinc plated	6
6	129- 105	NUT - 1/2" N.C. hex, zinc plated	6
7	192- 23	LOCKWASHER - 1/2"	6

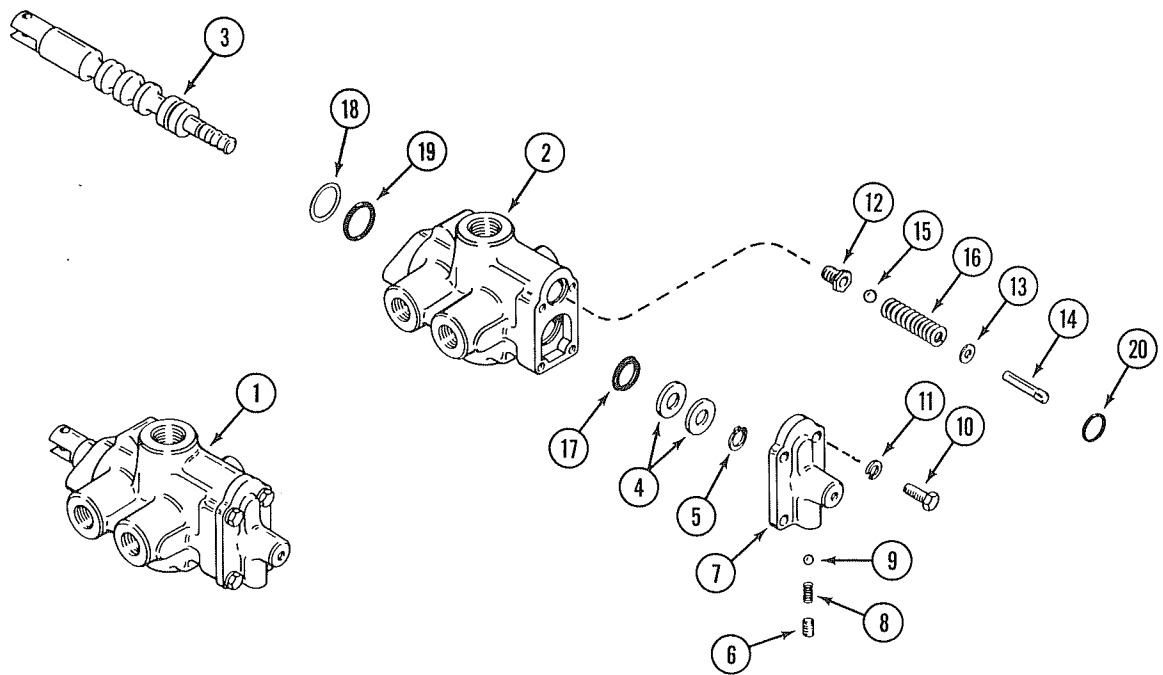
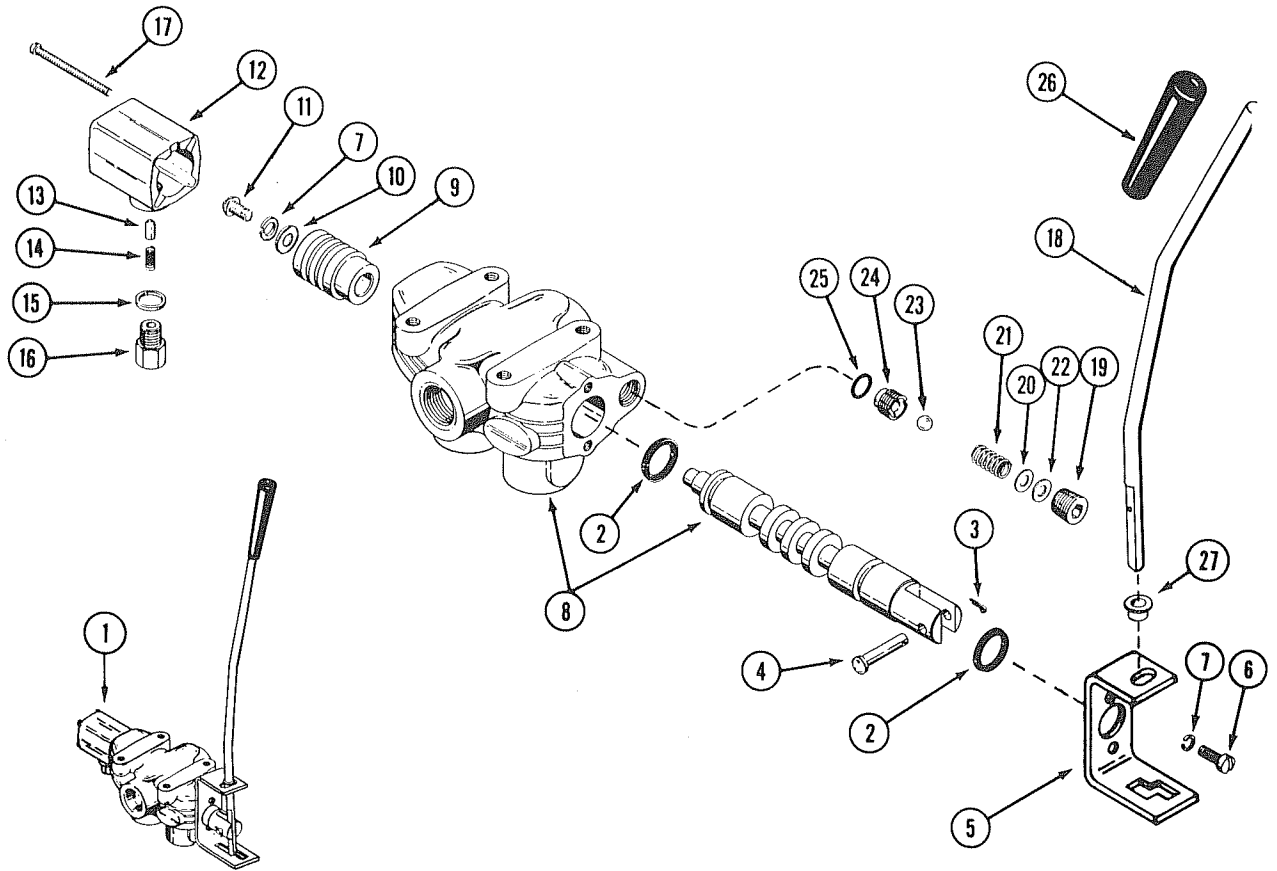
MODEL H13 WEIGHT BOX

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- 371	BOLT - 3/8" x 1" round head, square neck	3
6	113- 207	BOLT - 3/8" x 1" N.C. hex	4
7	129- 103	NUT - 3/8" N.C. hex	7
8	192- 21	LOCKWASHER - 3/8"	7
9	195- 525	WASHER - 3/8"	7



J-17 AND K-17 HYDRAULIC PTO KIT

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 30044	VALVE - PTO control (J17)	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" x 3/4" N.C. hex.	4
7	192- 21	LOCKWASHER - 3/8"	4
8	C 23888	TUBE - PTO valve to travel control valve (use before S/N 9770165) . . .	1
8	C 25343	TUBE - PTO to travel valve (use S/N 9770165 and after)	1
9	C 25344	TUBE - Pump to PTO (use S/N 9770165 and after)	1
9	C 23962	TUBE - pump to PTO valve (use before S/N 9770165)	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" N.C. hex	2
12	195- 521	WASHER - 5/16"	2
13	192- 20	LOCKWASHER - 5/16"	2
14	NSS	VALVE - control (K17) (use C30044)	1

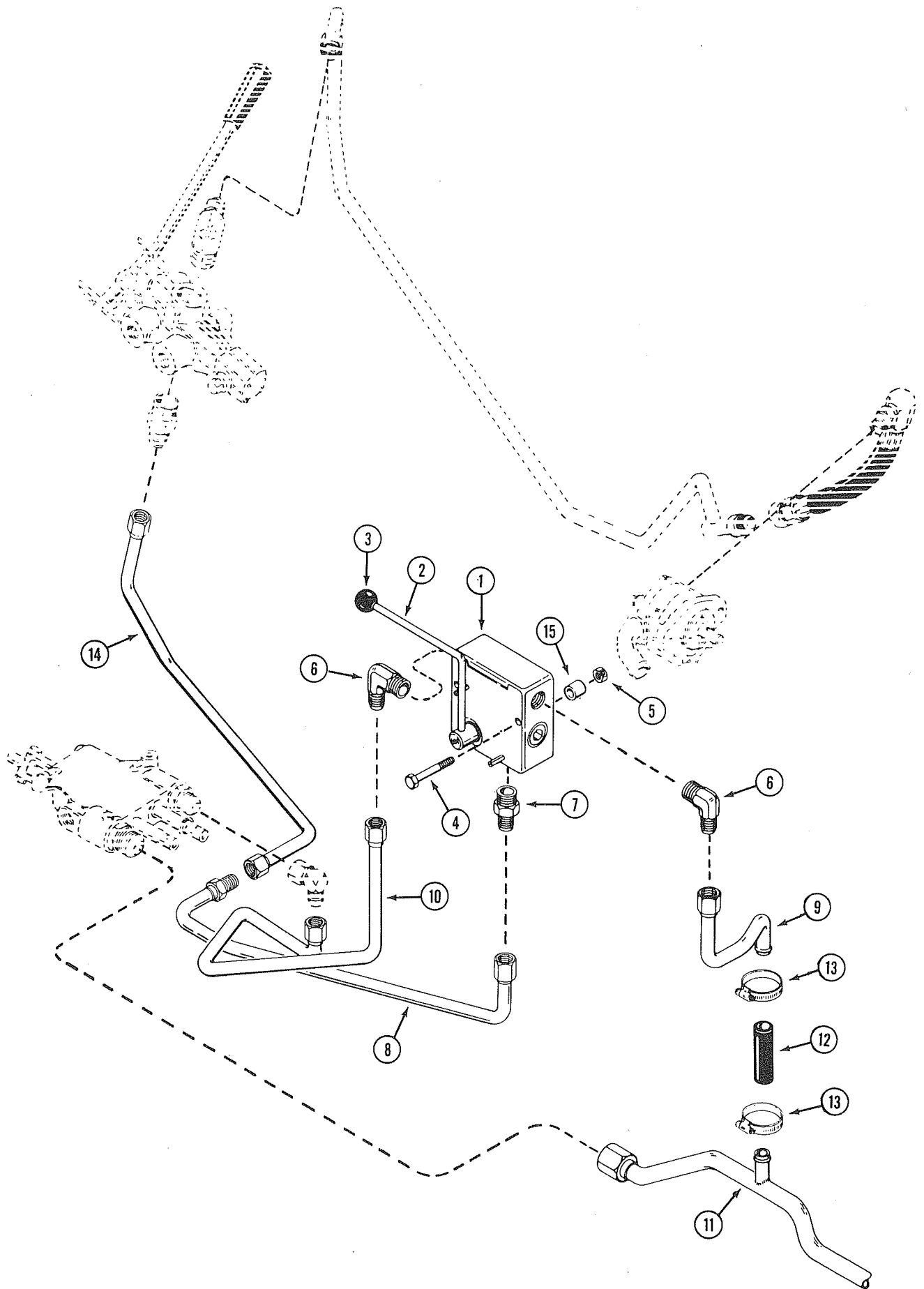


J-17 HYDRAULIC PTO VALVE J-17 AND K-17 LEVER ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D
1	NSS	VALVE - control (use C30044)	1
2	C 11891	SEAL - U-cup	2
3	132- 5	PIN - cotter 1/16" x 1/2"	1
4	C 28875	PIN - handle	1
5	C 19422	BRACKET - handle	1
6	71- 410	SCREW - 1/4" x 5/8" N.C. fillister head	2
7	192- 19	LOCKWASHER - 1/4"	3
8	NSS	BODY AND SPOOL ASSEMBLY (Order C30044)	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- 88	SCREW - bonnet #8-32 x 2-1/4" fillister head	4
18	C 19423	LEVER - valve	1
19	221- 842	PLUG - relief 3/8" NPT	1
20	C 28700	SHIM - .010" thick	UAR
21	C 28716	SPRING - relief	1
22	C 28698	SHIM - .020" thick	UAR
23	211- 11	BALL - relief 3/8"	1
24	C 18417	SEAT - relief	1
25	C 28696	"O" RING - relief seat	1
26	C 28237	KNOB - hand throttle	1
27	C 26266	BUSHING - nylon	1
	C 25024	SHIM - handle mount	1

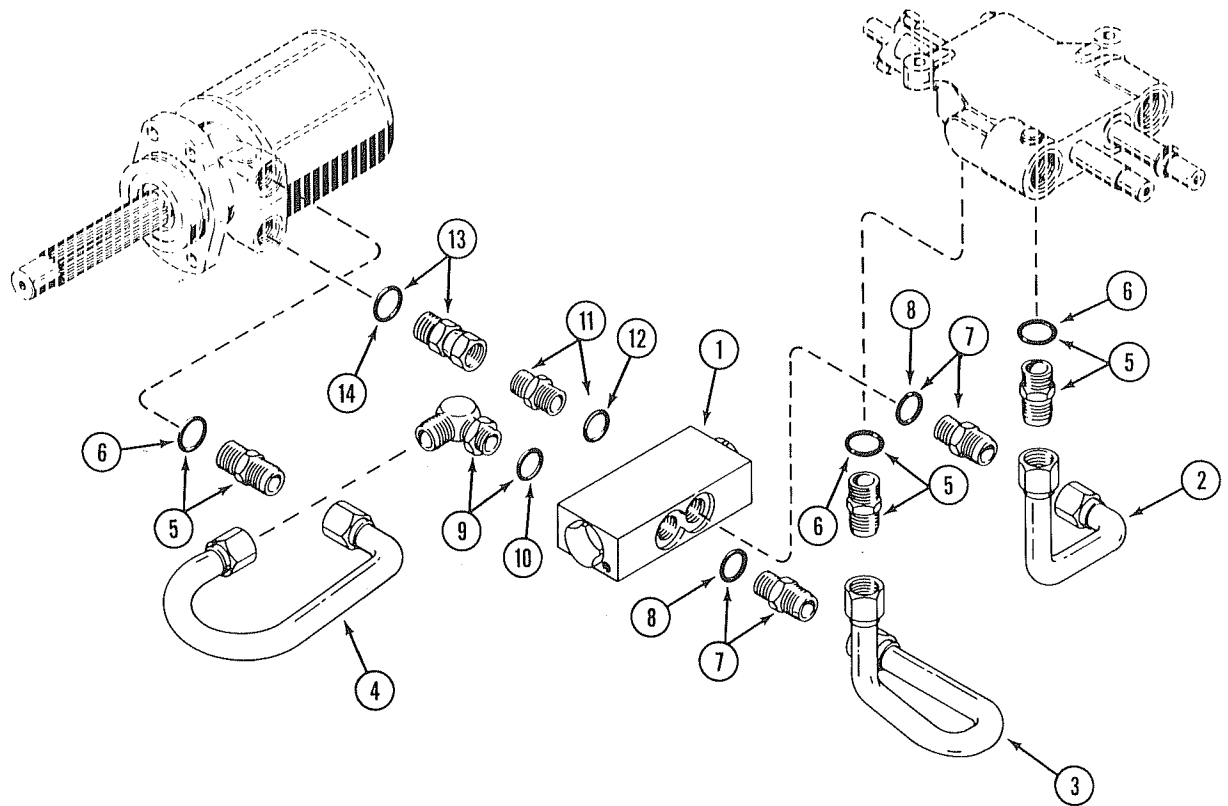
K-17 HYDRAULIC PTO VALVE

1	NSS	VALVE - control (use C30044)	1
2	NSS	BODY - valve (order C30044 valve)	1
3	NSS	SPOOL - valve (order C30044 valve)	1
4	195- 533	WASHER - spool	2
5	NSS	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	NSS	SEAT - relief	1
13	C 28700	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	NSS	"O" RING	1
20	NSS	"O" RING	1



MODEL L-19, M-19 FLOW CONTROL VALVE KIT

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 23618	VALVE - flow control	1
	C 28217	"O" RING - shaft 3/4" I.D. x 15/16" O.D. x 3/32"	2
	C 28710	RING - snap	2
2	C 36848	LEVER - valve	1
3	C 28251	KNOB - lever	1
4	113- 12	BOLT - 1/4" x 2-1/2" NC hex	2
5	131- 1180	NUT - lock 1/4" NC hex	2
6	218- 485	FITTING - elbow 90° 1/2" NPT	2
7	C 45431	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 26181	TUBE - heat exchanger.	1
12	C 36849	HOSE - return	1
13	214- 6	CLAMP - hose	2
14	C 23879	TUBE - PTO valve to tube (446 before S/N 9770165)	1
14	C 25392	TUBE - PTO valve to tube (448) (446 - S/N 9770165 and after)	1
15	C 21592	SPACER (L19)	2
	C 18719	DECAL - valve, "slow-fast"	1
16	C 25391	PLATE - adapter (M19)	1
17	113- 2	BOLT - 1/4" - 20 x 5/8" (M19)	2



L-9 HOLDING VALVE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 24995	VALVE - holding	1
	C 28487	"O" RING - end caps	2
2	C 24992	TUBE - valve to valve	1
3	C 24993	TUBE - valve to valve	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	NSS	CONNECTOR - straight, male (use 218-5406, 218-5254)	1
12	218- 5006	"O" RING	1
13	218- 5251	CONNECTOR - straight, male/female swivel	1
14	218- 5007	"O" RING	1

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