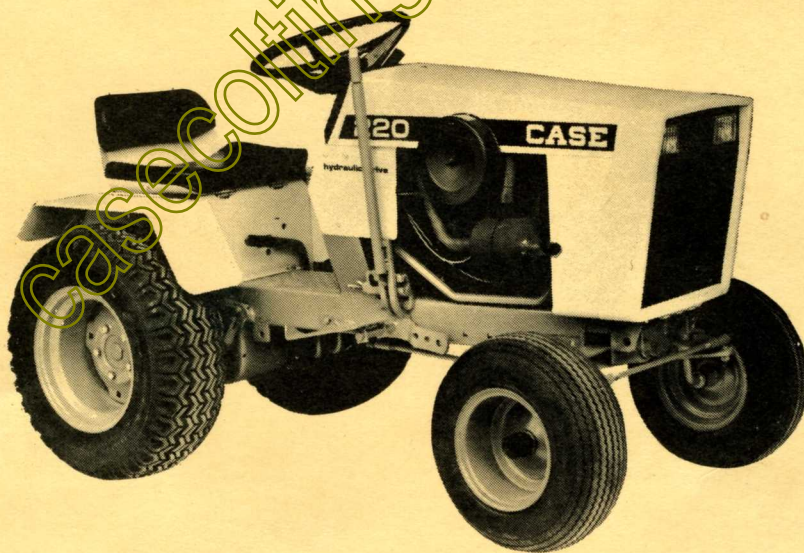


PARTS CATALOG NO. A1123

NOTE: This Parts Catalog replaces the previous issue No. 1123 which is obsolete and should be discarded.

CASE

**CASE 220, 222 AND 442
COMPACT TRACTORS**



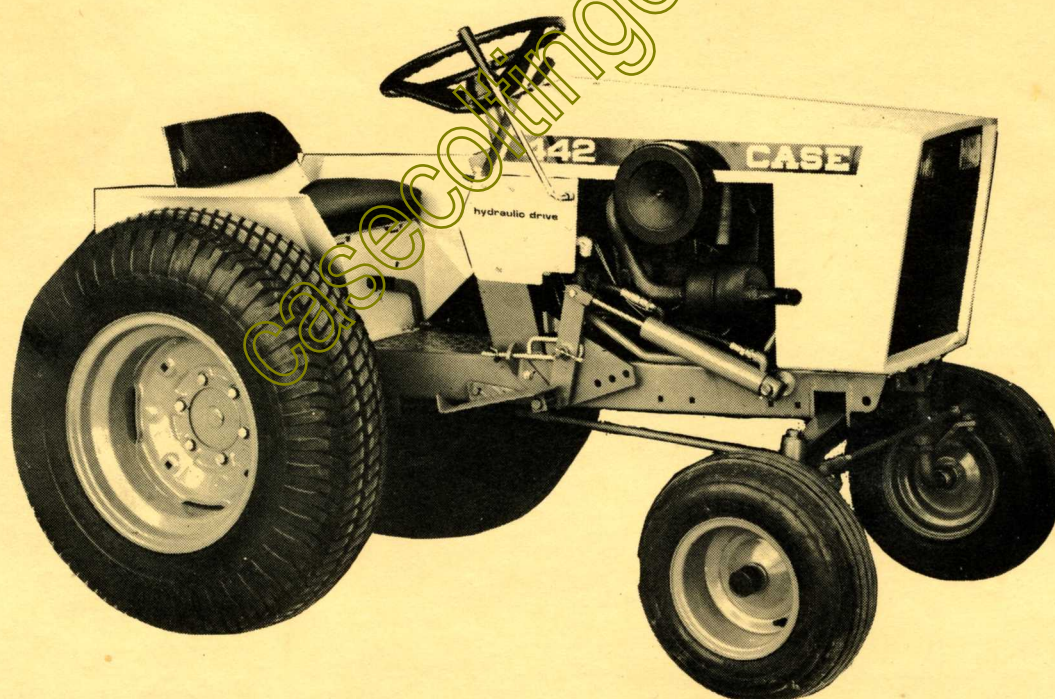
PRICE 75 CENTS



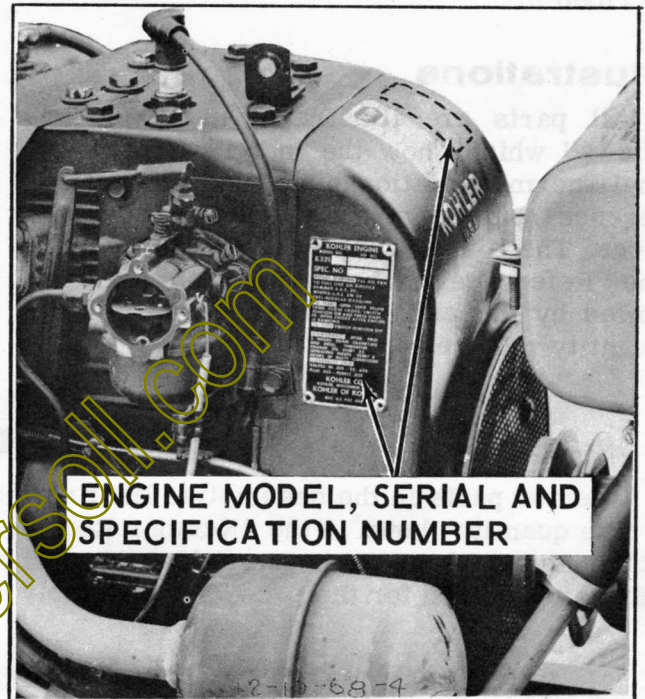
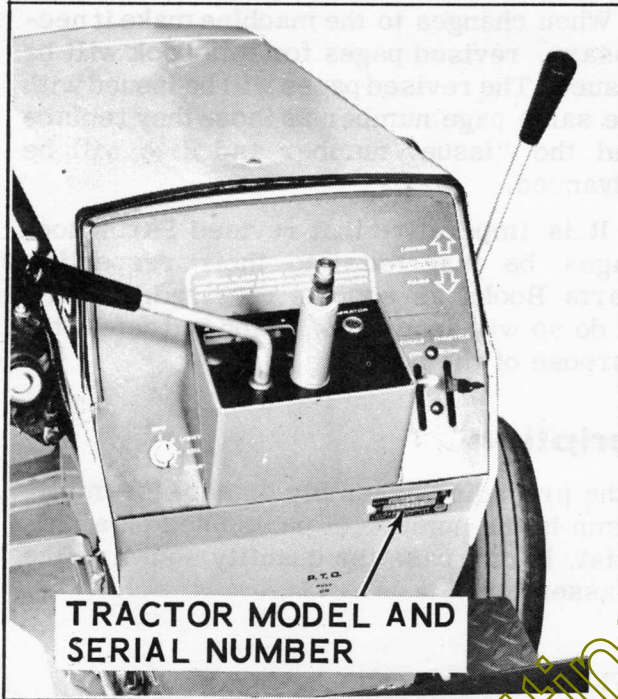
J. I. CASE COMPANY
Racine, Wisconsin, U.S.A.



Left Hand View of Case 222 Tractor with Optional Hydraulic Lift



Right Hand View of Case 442 Tractor with Optional Hydraulic Lift

CASE 220, 222 AND 442 COMPACT TRACTORS

TRACTOR MODEL DESIGNATIONS	ENGINE MODEL DESIGNATIONS
220 TRACTOR	C 14610 K241 A Engine
222 TRACTOR	C 14611 K301 A Engine
442 TRACTOR	C 14611 K301 A Engine

Serial Numbers

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

Indexes

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

Illustrations

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

Orders

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

Changes

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

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

Indented Description

Indented parts in the descriptive list are a part of the preceding assembly or sub-assembly.

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

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

Terms "Right Hand" and "Left Hand"

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

ALPHABETICAL INDEX ENGINE SECTION

220 & 222 442

220 & 222 442

Page

Page

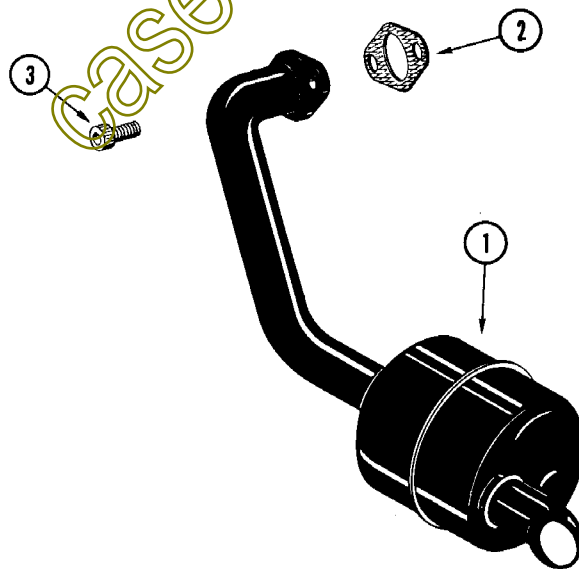
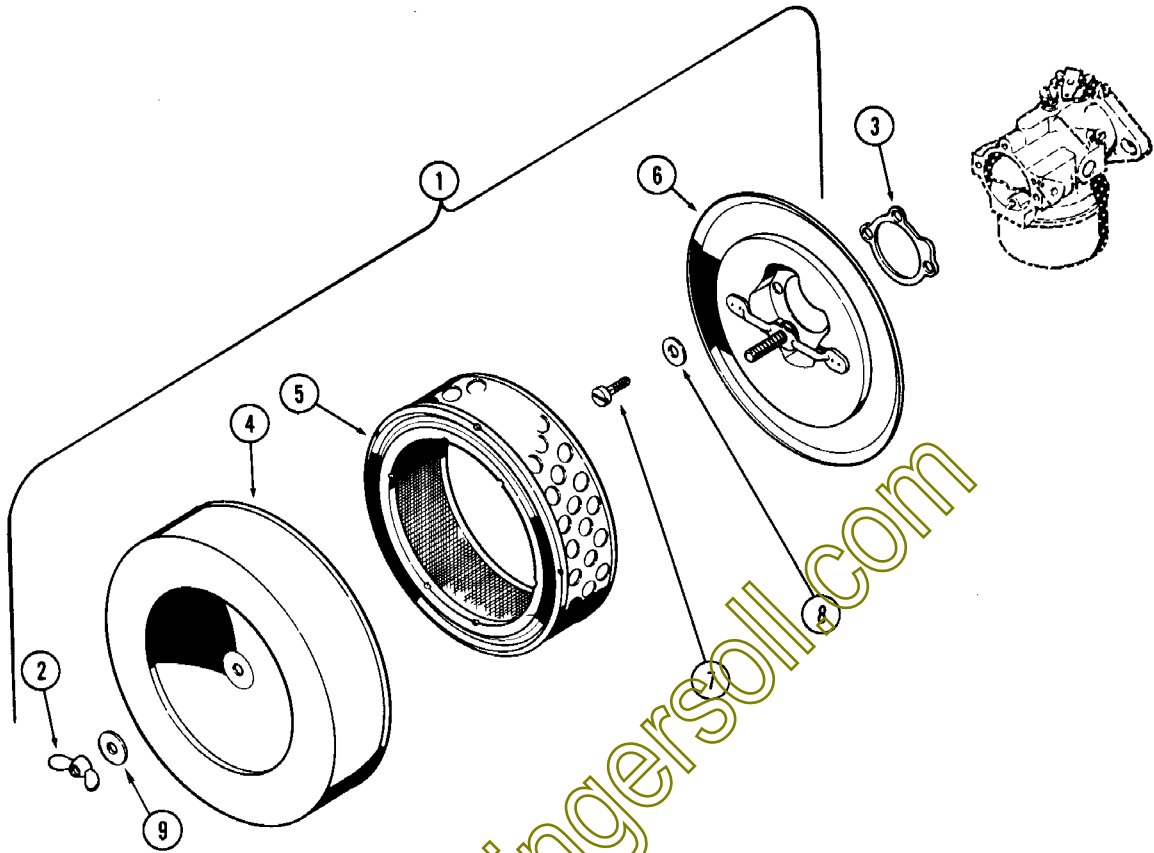
Air Cleaner	5	5
Battery	51-53	51-53
Belt, Starter-Generator	17	17
Breather, Crankcase	7	7
Camshaft	7	7
Carburetor	19	19
Connecting Rod	9	11
Crankshaft	9	11
Cylinder Block	13	15
Cylinder Head	13	15
Electrical System	51-53	51-53
Engine Block & Attaching		
Parts	13-15	13-15
Exchanger, Heat	35	35
Exhaust System	5	5
Fan	17	17

Filter, Breather	7	7
Flywheel	13	15
Fuel Strainer	21	21
Fuel System	21	21
Gasket Kits	13	15
Governor	17	17
Muffler	5	5
Oil Pan	13	15
Piston	9	11
Pulley, Clutch	25	25
Spark Plug	51	51
Starter-Generator	49	49
Tank, Fuel	21	21
Throttle Linkage	17	17
Valves	7	7

BASIC TRACTOR SECTION

Axle, Front	29
Axle, Rear	33
Baffles & Shrouds	17
Brakes	31
Decals	43
Electrical System	51-53
Fenders	21
Frame	45
Grille	45
Hitch	47
Hood	45
Hydraulics	35
Coupling, Pump Drive	39
Hoses, Lines & Fittings	35
Motor, Hydraulic Drive	41
Pump	39
Valve, Control	37

Hydraulics (Continued)	
Valve Control Linkage	37
Implement Lift Lever	47
Instruments	51-53
Models D8 & D10 Wheel Weights	55
Model F26 Three Point Hitch	61
Model F27 Three Point Hitch Adapter	63
Model F22 & F24 Sleeve Hitch	65
Model F18 Counterweight Brackets	67
Model F11 Shaft Drive PTO	67
Model F30 Hydraulic Lift	57
Pulley Clutch	22-25
Seat, Operator's	21
Steering Wheel & Gear	27
Tool Box	21
Transmission	33
Wheels, Front & Rear	31

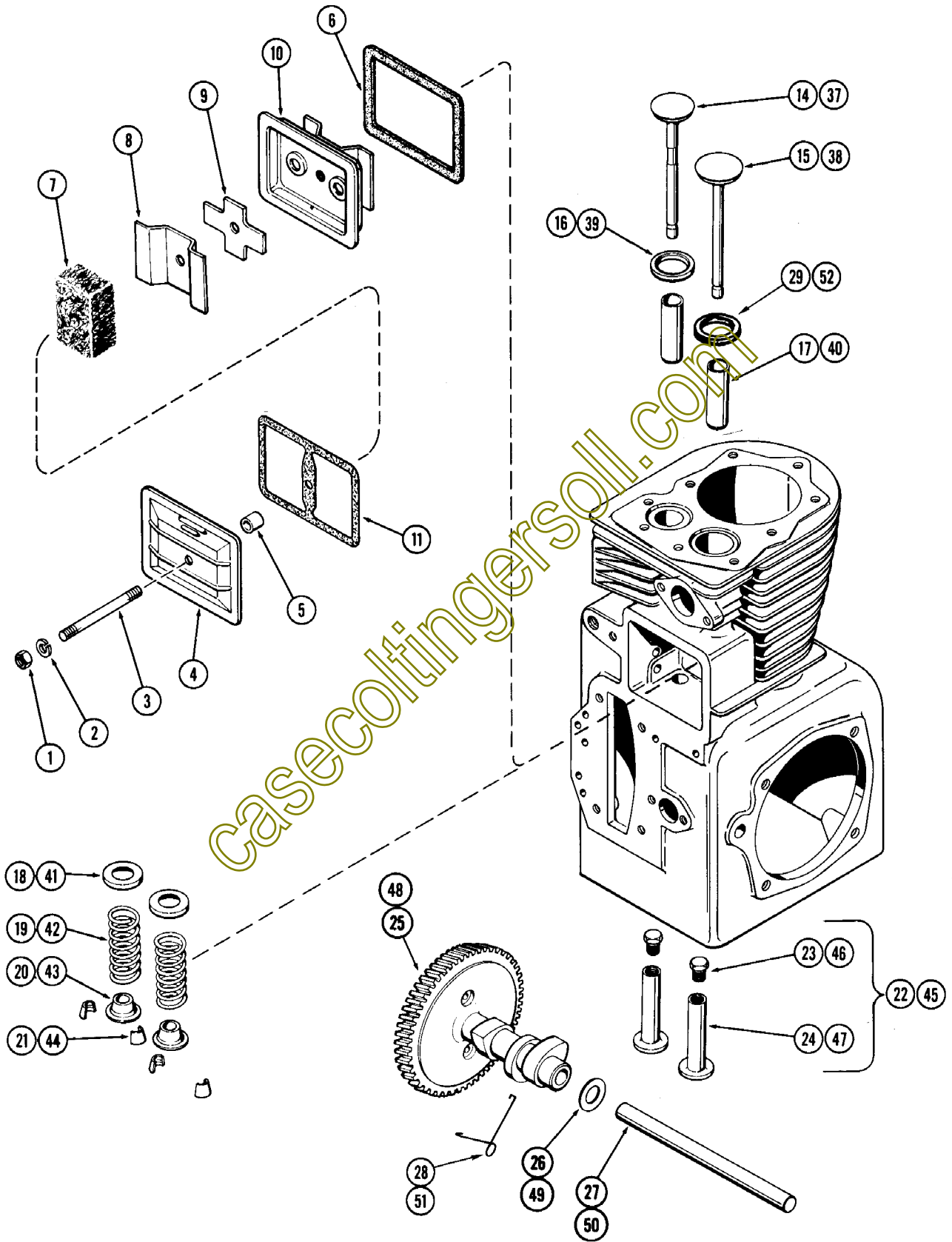


AIR CLEANER

REF.	PART NO.	DESCRIPTION	REQ'D
1	KOA235100	AIR CLEANER ASSEMBLY	1
2	129- 409	NUT - wing 3/8" NC	1
3	KO 275341	GASKET - air horn	1
4	NSS	COVER - air cleaner (Order KOA235100)	1
5	A 70090	ELEMENT - air cleaner	1
6	NSS	BASE - air cleaner (Order KOA235100)	1
7	177- 94	SCREW - fillister head 10-32 x 5/16"	3
8	195- 512	WASHER - plain 3/16"	3
9	KOA 536	WASHER - copper	1

EXHAUST SYSTEM

1	C 12071	MUFFLER - exhaust	1
2	C 10372	GASKET - exhaust pad	1
3	61- 510	SCREW - 5/16-18 x 5/8" Socket Head	2



CRANKCASE BREATHER

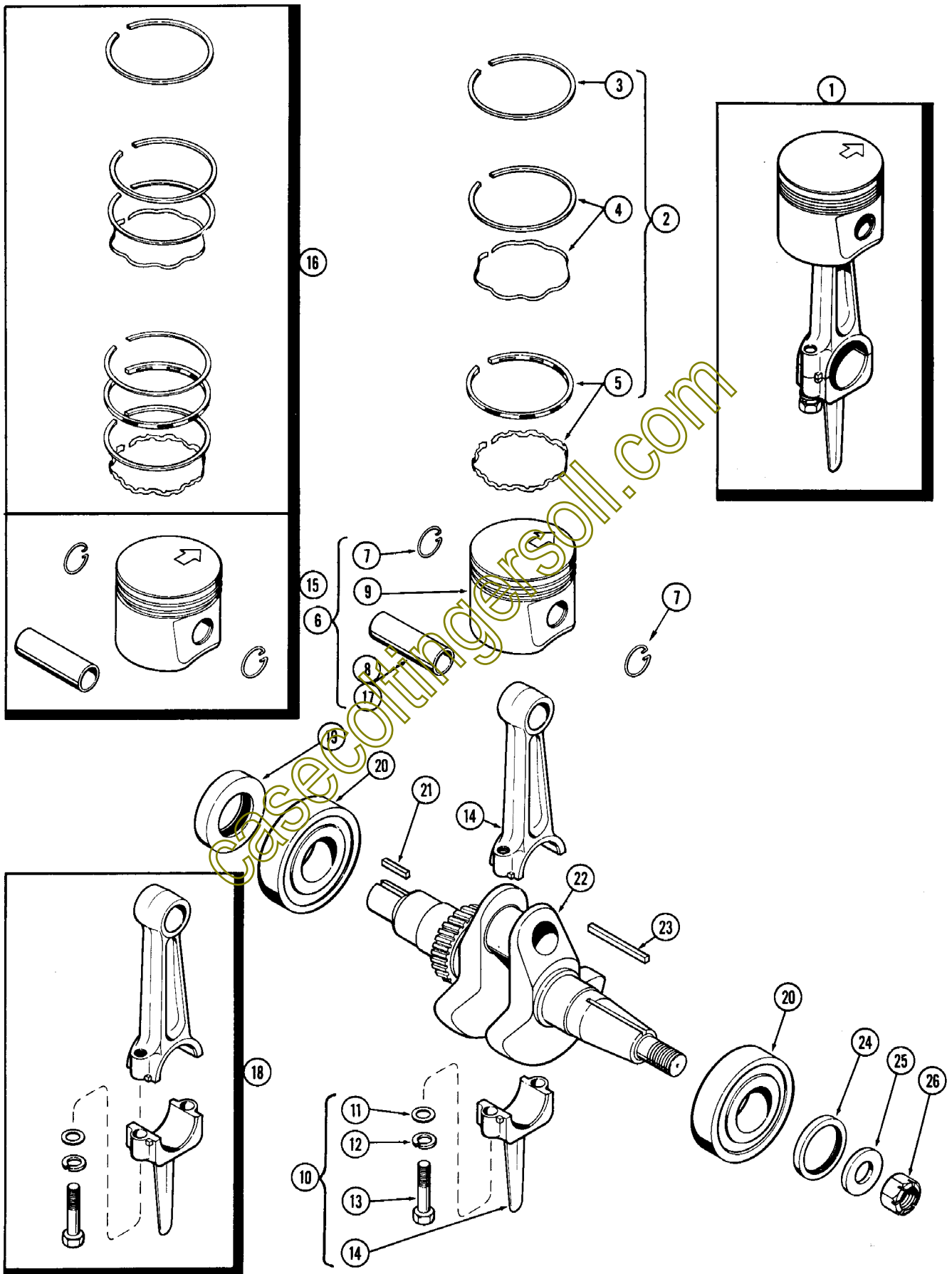
REF.	PART NO.	DESCRIPTION	REQ'D
1	25- 104	NUT - 1/4" NC Hex	1
2	92- 4	LOCKWASHER - 1/4"	1
3	KO 275220	STUD - valve cover	1
4	KO 275143	COVER - valve	1
5	KO 231032	SEAL - breather	1
6	KO 235048	GASKET - breather plate	1
7	KO 235118	FILTER - breather	1
8	KO 235117	BAFFLE - breather	1
9	KO 235047	REED -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

220 CAMSHAFT AND VALVES

14	KO 235826	VALVE - exhaust	1
15	KO 235008	VALVE - intake	1
16	KO 230170-S	INSERT - exhaust valve seat	1
17	KO 235007-S	GUIDE - valve	2
18	KO 235011	SEAT - valve spring	2
19	KO 235010	SPRING - valve	2
20	KO 230011	RETAINER - valve spring	2
21	KO 240013	LOCK - valve retainer	4
22	KOA235327	LIFTER ASSEMBLY	2
23	NSS	SCREW - tappet adjusting	1
24	NSS	LIFTER - valve	1
25	KOA235646	CAMSHAFT ASSEMBLY	1
26	KO 275066	SPACER - camshaft, .005"	UAR
26	KO 275067	SPACER - camshaft, .010"	UAR
27	KO 235053	PIN - camshaft	1
28	KO 232770	SPRING - actuating	1
29	KO 230265-S	INSERT - intake valve seat	1

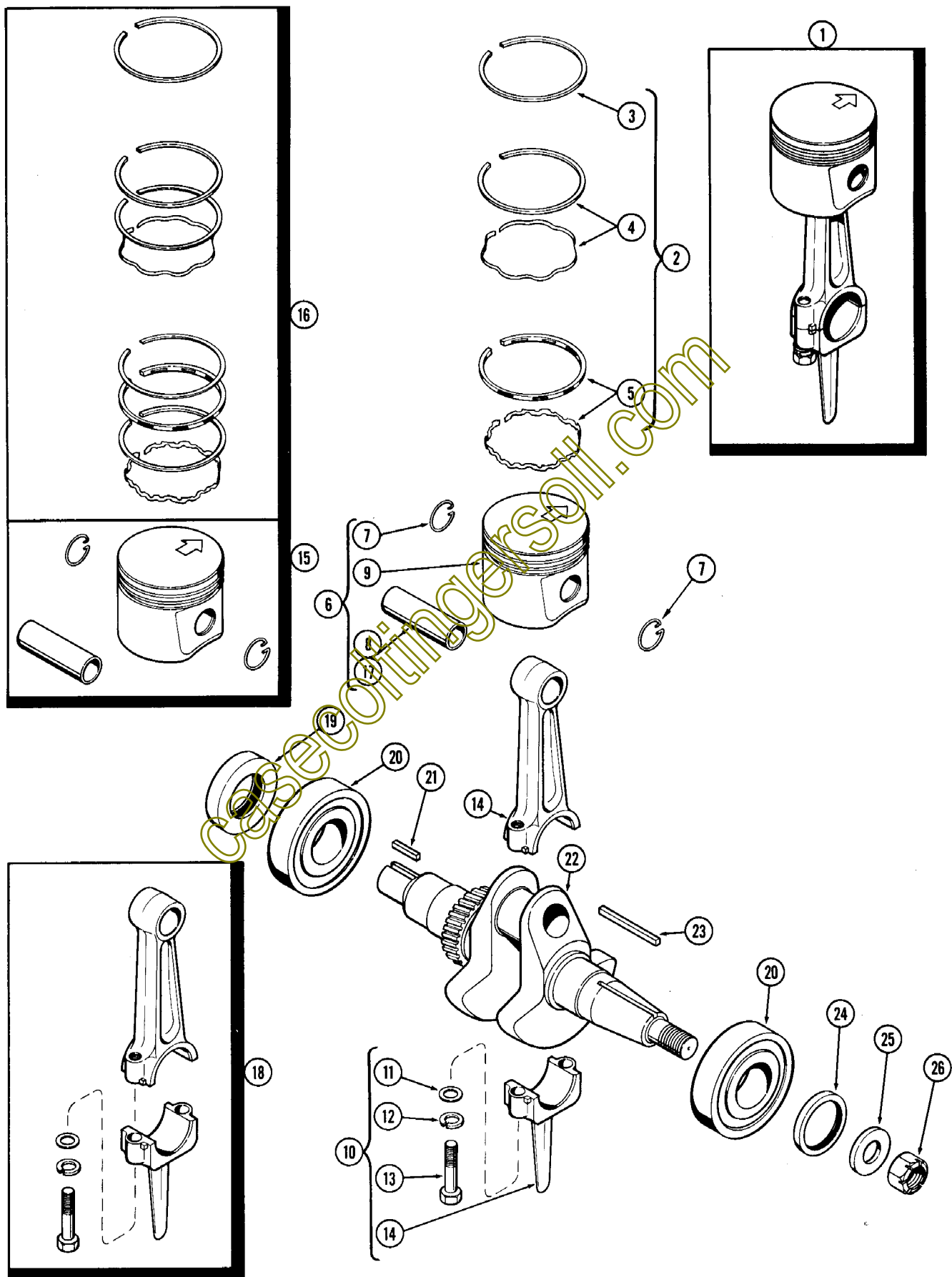
222 AND 442 CAMSHAFT AND VALVES

37	KO 235826	VALVE - exhaust	1
38	KO 235008	VALVE - intake	1
39	KO 230170-S	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	KO 240013	LOCK - valve retainer	4
45	KOA235327	LIFTER ASSEMBLY	2
46	NSS	SCREW - tappet adjusting	1
47	NSS	LIFTER - valve	1
48	KOA235646	CAMSHAFT ASSEMBLY	1
49	KO 275066	SPACER - camshaft, .005"	UAR
49	KO 275067	SPACER - camshaft, .010"	UAR
50	KO 235053	PIN - camshaft	1
51	KO 232770	SPRING - actuating	1
52	KO 230265-S	INSERT - intake valve seat	1



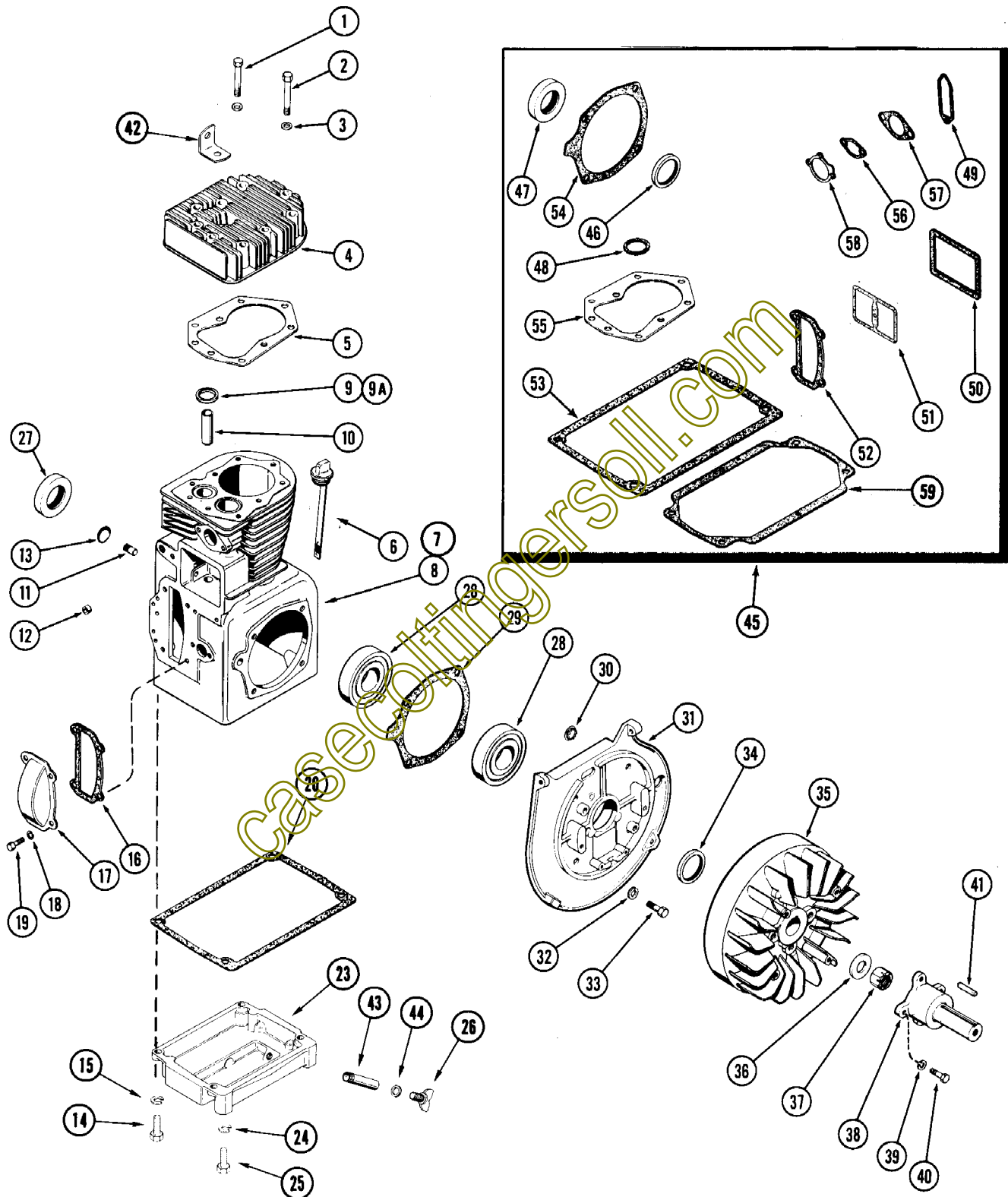
220 CRANKSHAFT, PISTON — CONNECTING ROD

REF. PART NO.	DESCRIPTION	REQ'D
1 NSS	PISTON AND ROD ASSEMBLY (Std. size)	1
2 KO 235287	RING SET - piston (For oversize, see item 16)	1
3 NSS	RING - top compression	1
4 NSS	RING - 2nd compression (Includes expander)	1
5 NSS	RING - oil (Includes expander)	1
6 KOA235611	PISTON ASSEMBLY (For oversize, see item 15)	1
7 KO 235004	RETAINER - piston pin	2
8 KO 235572	PIN - piston	1
9 NSS	PISTON	1
10 KOA235139	CONNECTING ROD ASSEMBLY (For undersize, see item 18)	1
11 KO 235003	WASHER - special	2
12 92- 6	LOCKWASHER	2
13 KO 236611	SCREW - cap, connecting rod	2
14 NSS	ROD - connecting	1
15 KOA235569	PISTON ASSEMBLY - .010" oversize	1
15 KOA235571	PISTON ASSEMBLY - .020" oversize	1
15 KOA235616	PISTON ASSEMBLY - .030" oversize	1
16 KO 235288	RING SET - piston .010" oversize	1
16 KO 235289	RING SET - piston .020" oversize	1
16 KO 235290	RING SET - piston .030" oversize	1
17 KO 235573	PIN - piston, .005" oversize	1
18 KOA235139-10	CONNECTING ROD ASSEMBLY - .010" undersize	1
19 KOX 379-6	OIL SEAL - crankshaft rear	1
20 40035	BEARING - crankshaft ball	2
21 W 5063-S	KEY - 1/4" Sq. x 3/4" (Pump Coupling)	1
22 KOA235711	CRANKSHAFT	1
23 KOX 286-15	KEY - flat 1/4" x 3/16" x 1-3/4" (Flywheel)	1
24 KOX 271-30	OIL SEAL - crankshaft front	1
25 KOX 25-88	WASHER - 5/8"	1
26 KOX 119-14	NUT - special Marsden 5/8" NF	1



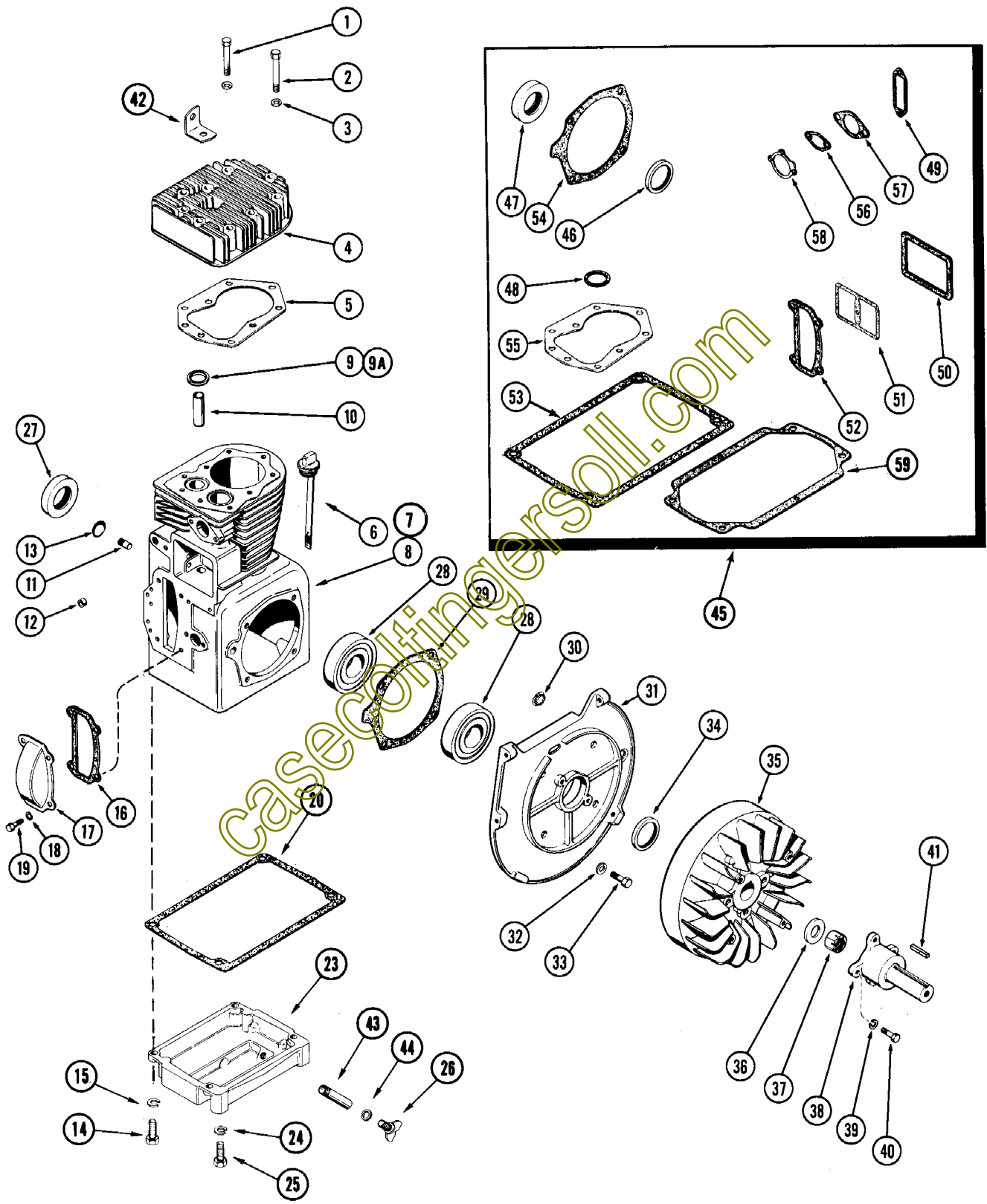
222 AND 442 CRANKSHAFT, PISTON — CONNECTING ROD

REF. PART NO.	DESCRIPTION	REQ'D
1 NSS	PISTON AND ROD ASSEMBLY (Std. size)	1
2 KO 235889	RING SET - piston (For oversize, see item 16)	1
3 NSS	RING - top compression	1
4 NSS	RING - 2nd compression (Includes expander)	1
5 NSS	RING - oil (Includes expander)	1
6 KOA235827	PISTON ASSEMBLY (For oversize, see item 15)	1
7 KO 235811	RETAINER - piston pin	2
8 KO 235803	PIN - piston	1
9 NSS	PISTON	1
10 KOA235828	CONNECTING ROD ASSEMBLY (For undersize, see item 18)	1
11 KO 235003	WASHER - special	2
12 92- 6	LOCKWASHER	2
13 KO 236611	SCREW - cap, connecting rod	2
14 NSS	ROD - connecting	1
15 KOA235865	PISTON ASSEMBLY - .010" oversize	1
15 KOA235866	PISTON ASSEMBLY - .020" oversize	1
15 KOA235867	PISTON ASSEMBLY - .030" oversize	1
16 KO 235890	RING SET - piston .010" oversize	1
16 KO 235891	RING SET - piston .020" oversize	1
16 KO 235892	RING SET - piston .030" oversize	1
17 KO 235868	PIN - piston .005" oversize	1
18 KOA235828-10	CONNECTING ROD ASSEMBLY - .010" undersize	1
19 KOX 379-6	OIL SEAL - crankshaft rear	1
20 40035	BEARING - crankshaft ball	2
21 W 5063-S	KEY - 1/4" Sq. x 3/4" (Pump Coupling)	1
22 KOB235949	CRANKSHAFT	1
23 KOX 286-15	KEY - flat 1/4" x 3/16" x 1-3/4" (Flywheel)	1
24 KOX 271-30	OIL SEAL - crankshaft front	1
25 KOX 25-88	WASHER - 5/8"	1
26 KOX 119-14	NUT - special Marsden 5/8" NF	1



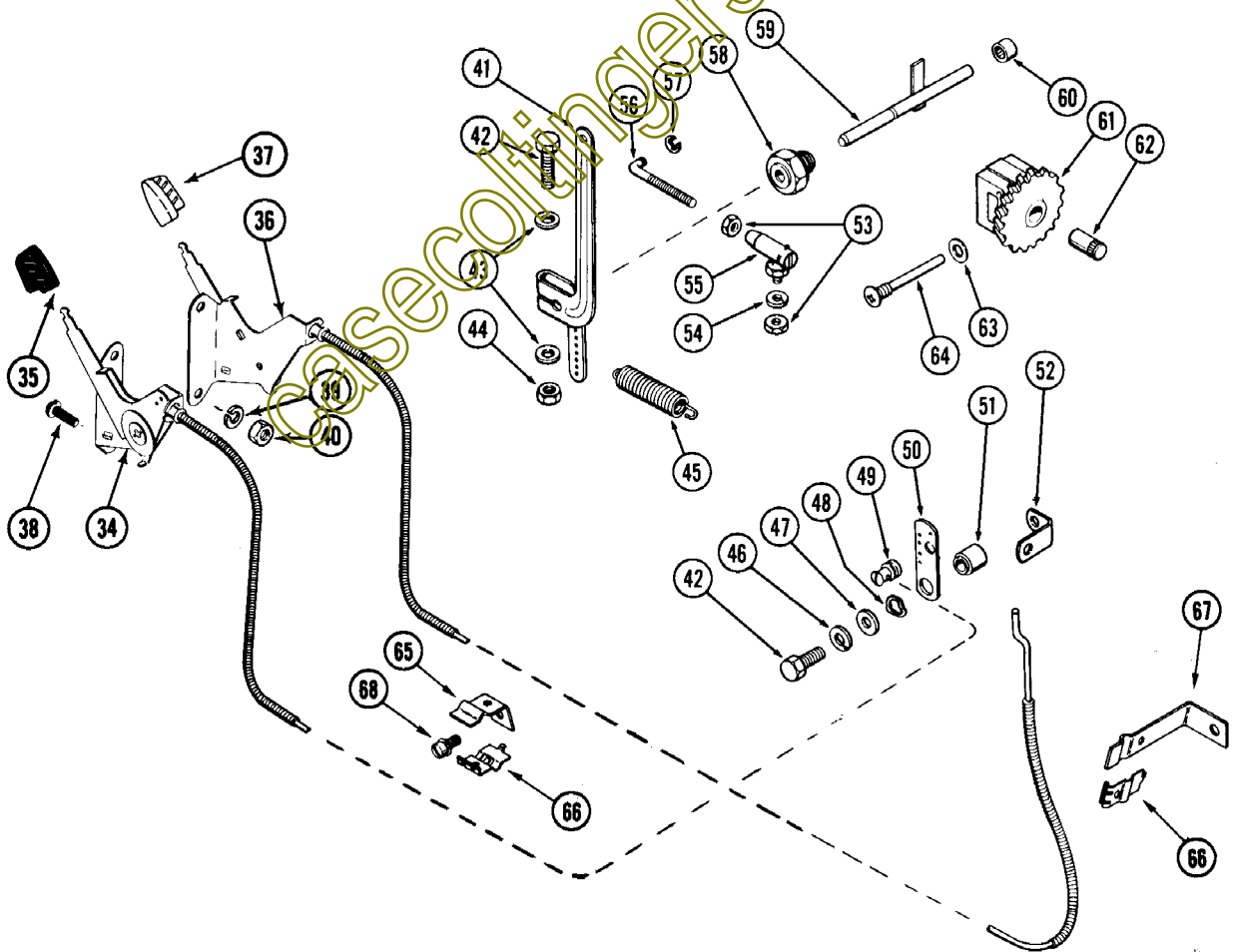
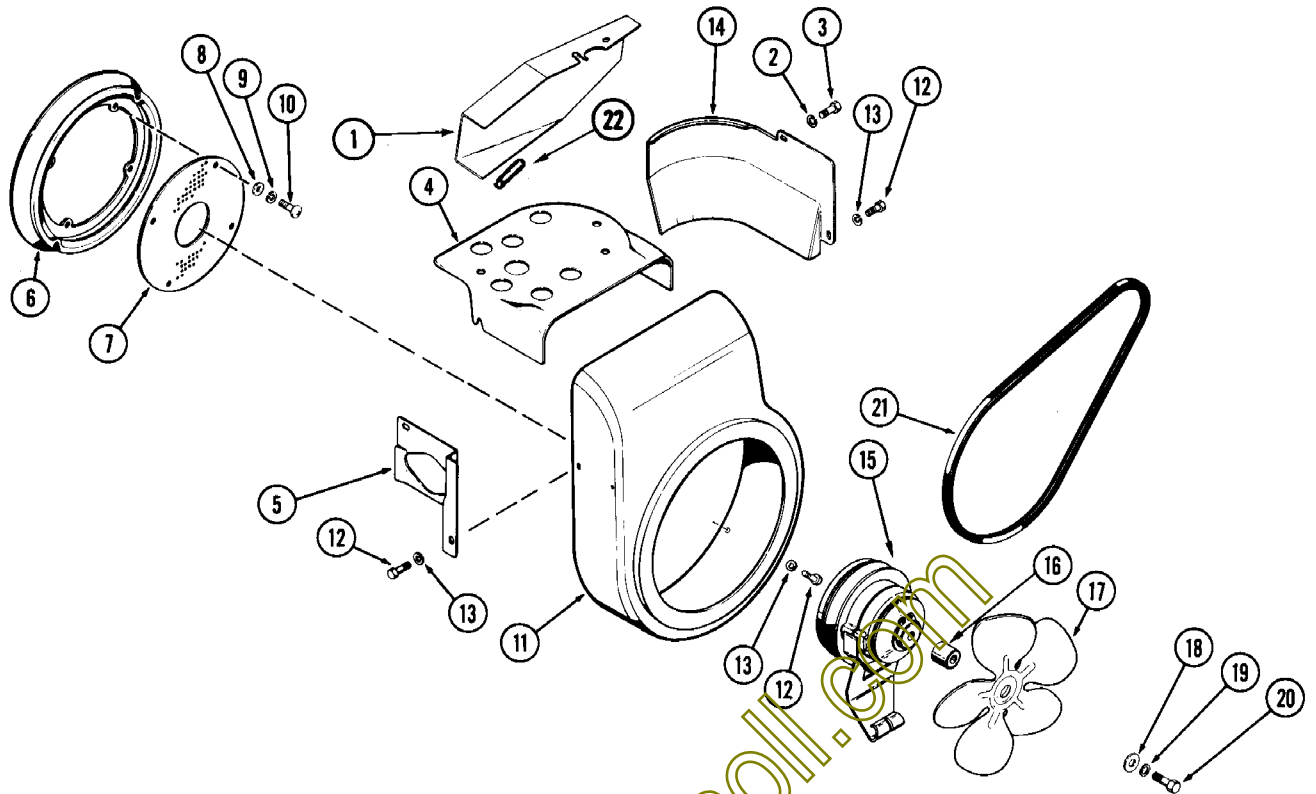
220 ENGINE BLOCK AND ATTACHING PARTS

REF. PART NO.	DESCRIPTION	REQ'D
1 KO 271077	BOLT - cylinder head (Length 2-1/4")	.6
2 KO 235175	BOLT - cylinder head (Length 2-1/2")	.3
3 KO 270889	WASHER - cylinder head bolt	.9
4 KO 235656	HEAD - cylinder	.1
5 KO 235810	GASKET - head	.1
6 KOA235747	DIPSTICK ASSEMBLY	.1
7 KOA236303	BLOCK ASSEMBLY - cylinder, short (Includes crankshaft, rod assembly, camshaft, valves, bearings and plate)	.1
8 KOA235737	BLOCK ASSEMBLY - cylinder, stripped (Std. bore)	.1
9 KO 230170-S	INSERT - exhaust valve	.1
9A KO 230265-S	INSERT - intake valve seat	.1
10 KO 235007-S	GUIDE - valve	.2
11 KO 235125-S	SHAFT - stub, governor	.1
12 KOX 293-4	BEARING - needle, governor shaft	.1
13 41- 18	PLUG - expansion	.1
14 113- 206	BOLT - 3/8" x 7/8" NC hex plated	.4
15 192- 21	LOCKWASHER - 3/8" plated	.4
16 KO 235025	GASKET - camshaft cover	.1
17 KO 235026	COVER - camshaft gear	.1
18 192- 19	LOCKWASHER - 1/4" plated	.4
19 113- 6	BOLT - 1/4" x 1/2" NC plated	.4
20 KO 235353	GASKET - oil pan	.1
23 KO 235950	BASE - oil pan	.1
24 192- 21	LOCKWASHER - 3/8" plated	.4
25 115- 204	BOLT - 3/8" x 1" NC hex plated	.4
26 C 14399	PLUG - oil drain	.1
27 KOX 379-6	OIL SEAL - crankshaft rear	.1
28 40035	BEARING - crankshaft ball	.2
29 KO 235757	GASKET - shim, bearing plate, .010"	.6
29 KO 235070	GASKET - shim, .010"	UAR
30 205- 27	PLUG - button, timing hole	.1
31 KO 235815	PLATE - bearing (Can use KO235815)	.1
32 192- 21	LOCKWASHER - 3/8" plated	.4
33 113- 207	BOLT - 3/8" x 1" NC plated	.4
34 KOX 271-30	OIL SEAL - crankshaft front	.1
35 KO 235818	FLYWHEEL	.1
36 195- 545	WASHER - special, plated	.1
37 KOX 119-14	NUT - special, Marsden 5/8" NF	.1
38 KO 235954	SHAFT - front drive stub	.1
39 192- 21	LOCKWASHER - 3/8" plated	.4
40 113- 208	BOLT - 3/8" x 1-1/4" NC hex	.4
41 W 5063-S	KEY - 1/4" Sq. x 3/4"	.1
42 KO 235748	STRAP - lifting	.1
43 C 14398	NIPPLE - oil drain extension	.1
44 C 14906	GASKET - plug, oil drain	.1
45 KO 235165	KIT - engine gasket and seal	.1
46 KOX 271-30	SEAL - crankshaft front oil	.1
47 KOX 379-6	SEAL - crankshaft rear oil	.1
48 B 59393	GASKET - fuel strainer bowl	.1
49 KO 220174	GASKET - breaker cover	.1
50 KO 235048	GASKET - breather plate	.1
51 KO 275144	GASKET - valve cover	.1
52 KO 235025	GASKET - camshaft gear cover	.1
53 KO 235353	GASKET - oil pan	.1
54 KO 235757	GASKET - shim, bearing plate, .010"	.6
54 KO 235070	GASKET - shim, .010"	UAR
55 KO 235810	GASKET - cylinder head	.1
56 A 72108	GASKET - fuel pump flange	.1
57 A 72100	GASKET - carburetor flange	.1
58 KO 275341	GASKET - carburetor air horn	.1
59 KO 235057	GASKET - oil pan (Not used on this model)	.1



222 AND 442 ENGINE BLOCK AND ATTACHING PARTS

REF.	PART NO.	DESCRIPTION	REQ'D
1	KO 271077	BOLT - cylinder head (Length 2-1/4")	6
2	KO 235175	BOLT - cylinder head (Length 2-1/2")	3
3	KO 270889	WASHER - cylinder head bolt	9
4	KO 235820	HEAD - cylinder	1
5	KO 235810	GASKET - head	1
6	KOA 235747	DIPSTICK ASSEMBLY	1
7	KOA 236293	BLOCK ASSEMBLY - cylinder, short (Includes crankshaft, rod assembly, camshaft, valves, bearings and plate)	1
8	KOA235952	BLOCK ASSEMBLY - cylinder, standard bore	1
9	KO 230170-S	INSERT - exhaust valve	1
9A	KO 230265-S	INSERT - intake valve seat	1
10	KO 235007-S	GUIDE - valve	2
11	KO 235125-S	SHAFT - stub governor	1
12	KOX 293-4	BEARING - needle, governor shaft	1
13	41- 18	PLUG - expansion	1
14	113- 206	BOLT - 3/8" x 1-1/4" NC hex plated	4
15	192- 21	LOCKWASHER - 3/8" plated	4
16	KO 235025	GASKET - camshaft cover	1
17	KO 235026	COVER - camshaft gear	1
18	192- 19	LOCKWASHER - 1/4" plated	4
19	113- 6	BOLT - 1/4" x 1/2" NC plated	4
20	KO 235353	GASKET - oil pan	1
23	KO 235950	BASE - oil pan	1
24	192- 21	LOCKWASHER - 3/8" plated	4
25	115- 204	BOLT - 3/8" x 1" NC hex plated	4
26	C 14399	PLUG - oil drain	1
27	KOX 379-6	OIL SEAL - crankshaft rear	1
28	40035	BEARING - crankshaft ball	2
29	KO 235757	GASKET - shim, bearing plate .010"	6
29	KO 235070	GASKET - shim, .010"	UAR
30	205- 27	PLUG - button, timing hole	1
31	KO 235815	PLATE - bearing	1
32	192- 21	LOCKWASHER - 3/8" plated	4
33	113- 207	BOLT - 3/8" x 1" NC plated	4
34	KOX 271-30	OIL SEAL - crankshaft front	1
35	KO 235818	FLYWHEEL	1
36	195- 545	WASHER - special, plated	1
37	KOX 119-14	NUT - special Marsden	1
38	KO 235954	SHAFT - front drive stub	1
39	192- 21	LOCKWASHER - 3/8" plated	4
40	113- 208	BOLT - 3/8" x 1-1/4" NC hex plated	4
41	W 5063-S	KEY - 1/4" Sq. x 3/4"	1
42	KO 235748	STRAP - lifting	1
43	C 14398	NIPPLE - oil drain extension	1
44	C 14906	GASKET - plug, oil drain	1
45	KO 235165	KIT - engine gasket and seal	1
46	KOX 271-30	SEAL - crankshaft front oil	1
47	KOX 379-6	SEAL - crankshaft rear oil	1
48	B 59393	GASKET - fuel strainer bowl	1
49	KO 220174	GASKET - breaker cover	1
50	KO 235048	SEAL - breather	1
51	KO 275144	GASKET - valve cover	1
52	KO 235025	GASKET - camshaft gear cover	1
53	KO 235353	GASKET - oil pan	1
54	KO 235757	GASKET - shim, bearing plate, .010"	6
54	KO 235070	GASKET - shim, .010"	UAR
55	KO 235810	GASKET - cylinder head	1
56	A 72108	GASKET - fuel pump flange	1
57	A 72100	GASKET - carburetor flange	1
58	KO 275341	GASKET - carburetor air horn	1
59	KO 235057	GASKET - oil pan (Not used on this model)	1

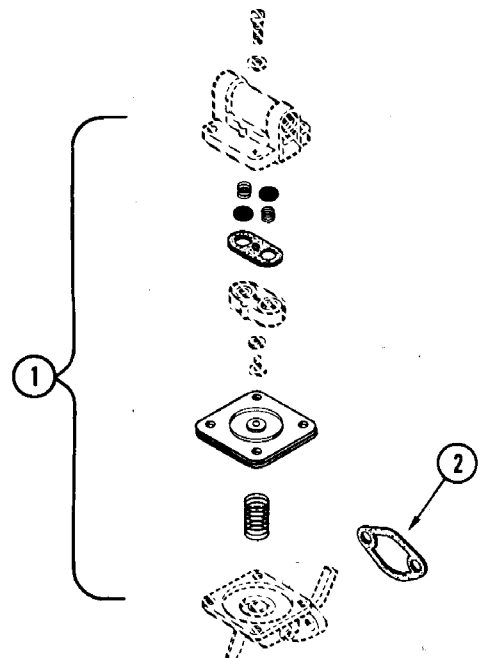
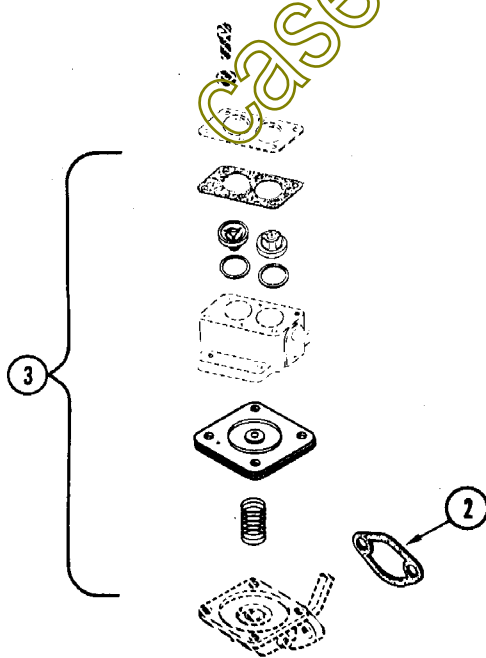
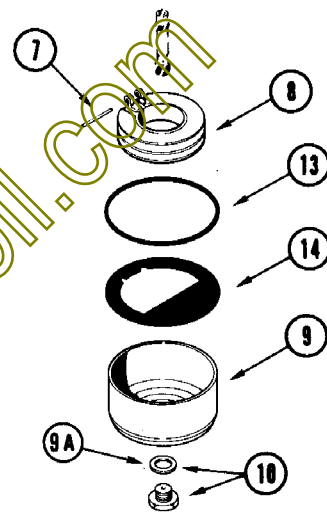
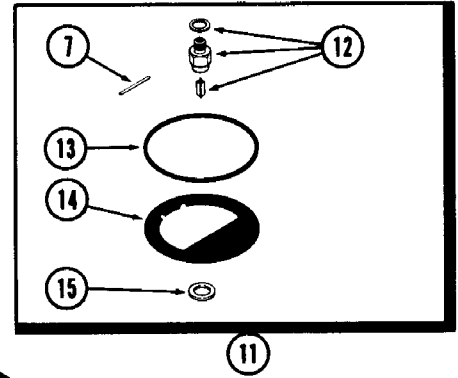
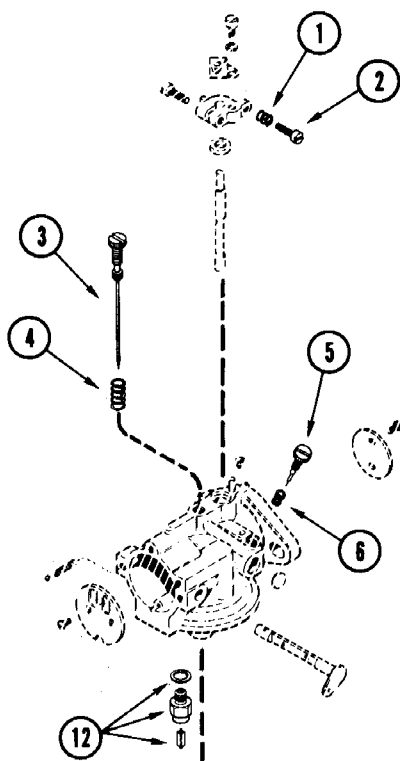


BAFFLES, SHROUDS AND CLUTCH PULLEY

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 10492	DEFLECTOR - engine air	1
2	192- 19	LOCKWASHER - 1/4" plated	2
3	113- 6	BOLT - 1/4" x 1/2" NC hex plated	2
4	KO 235955	BAFFLE - cylinder head	1
5	KO 235368	BAFFLE - carburetor side air	1
6	KO 235207	PULLEY - starter	1
7	KO 235052	SCREEN - blower air intake	1
8	195- 515	WASHER - 1/4" plated	4
9	192- 19	LOCKWASHER - 1/4" plated	4
10	175- 436	SCREW - 1/4" x 5/8" NC truss head Phillips, plated	4
11	KO 235951	HOUSING - blower	1
12	113- 2	BOLT - 1/4" x 3/4" NC hex head plated	4
13	192- 19	LOCKWASHER - 1/4" plated	4
14	KO 235054	BAFFLE - cylinder	1
15	C 14152	CLUTCH - pulley	1
16	C 10312	SPACER - short	1
17	C 14494	FAN- engine	1
18	195- 104	WASHER - 3/8" plain	1
19	192- 21	LOCKWASHER - 3/8"	1
20	115- 208	BOLT - 3/8" x 3-1/2" NC hex (For pulley clutch)	1
21	C 14345	BELT - drive, starter, generator	1
22	C 12603	CHANNEL - deflector	1

CHOKE, THROTTLE AND GOVERNOR

34	C 13848	CONTROL - throttle	1
35	C 12224	HANDLE - throttle control, black	1
36	C 12187	CONTROL - choke	1
37	C 14506	HANDLE - choke control, white	1
38	111- 1	BOLT - 10-24 x 1/2" Rd. Hd. Sq. Nk.	2
39	192- 18	LOCKWASHER - #10 Std. plated	2
40	129- 17	NUT - #10-24 plated	2
41	KO 235494	LEVER - governor	1
42	15- 420	BOLT - 1/4" x 1-1/4" NC hex	2
43	195- 515	WASHER - 1/4" plated	2
44	25- 104	NUT - 1/4" hex	1
45	KO 235496	SPRING - governor	1
46	192- 19	LOCKWASHER - 1/4" plated	1
47	KOX 25-67	WASHER - thrust	1
48	KO 275699	WASHER - wavy	1
49	KO 231052	CLAMP - swivel, wire	1
50	KO 235086	LEVER - speed control	1
51	KO 235085	SPACER - speed control bracket	1
52	KO 235084	BRACKET - high speed stop	1
53	129- 37	NUT - #10-32 hex	2
54	192- 18	LOCKWASHER - 3/16" plated	1
55	A 10326	JOINT - ball	1
56	KO 235277	ROD - throttle	1
57	KO 235278	RING - retaining, throttle rod	1
58	KO 235476	BUSHING - governor cross shaft	1
59	KOA235256	SHAFT ASSEMBLY - governor cross	1
60	KOX 293-4	BEARING - needle governor shaft	1
61	KOA235743	GEAR ASSEMBLY - governor	1
62	KO 235125-S	SHAFT - governor stub	1
63	KOX 25-55	WASHER - governor stop pin	1
64	KO 231355	PIN - governor stop	1
65	KO 235900	BRACKET - throttle cable	1
66	KO 235603	CLIP - bracket	2
67	KO 235680	BRACKET - choke cable	1
68	175- 430	SCREW - #10 x 3/8" NC fillister head	1

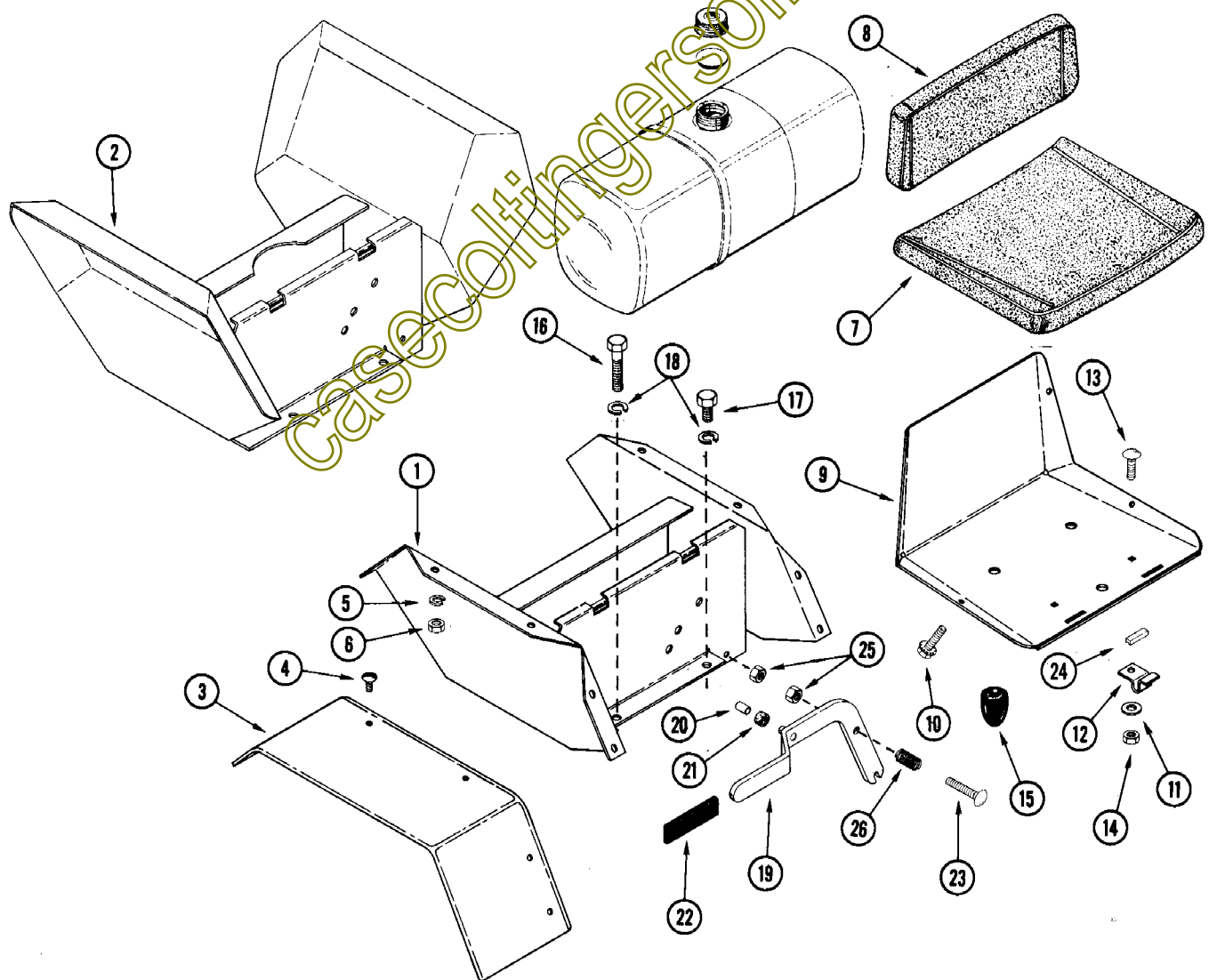
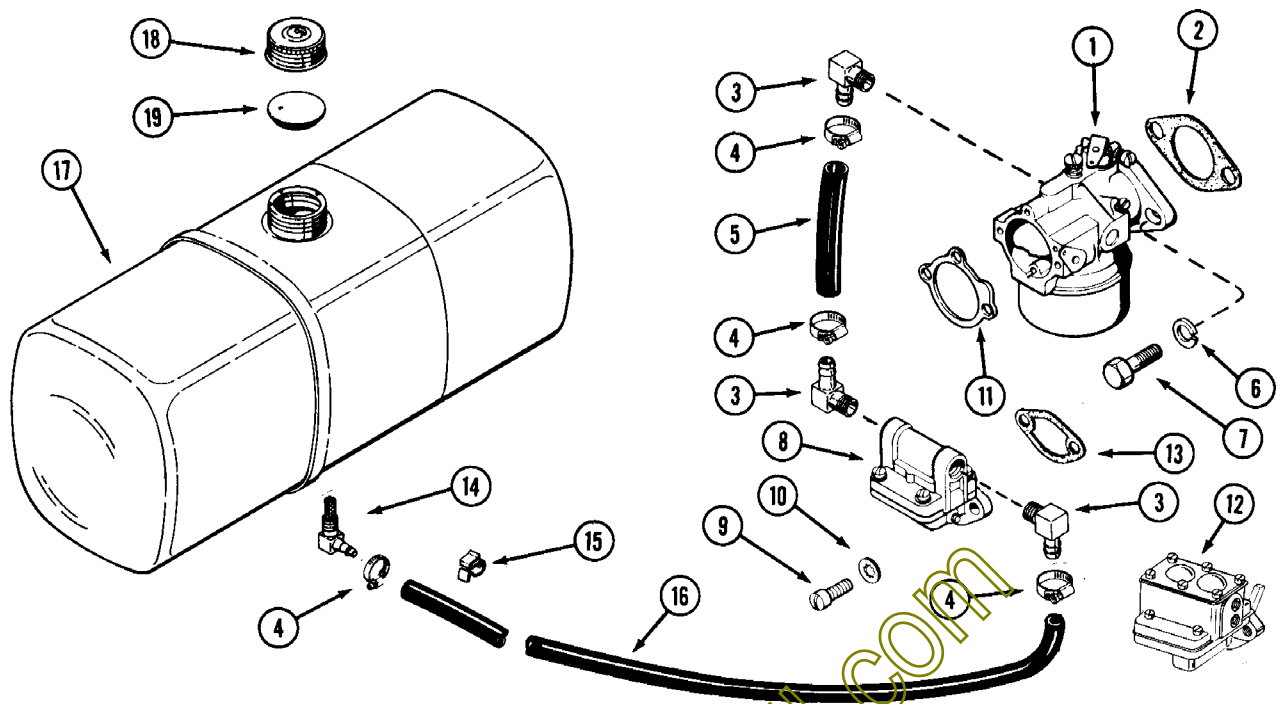


A72073 CARBURETOR

REF.	PART NO.	DESCRIPTION	REQ'D
	A 72073	CARBURETOR ASSEMBLY	1
1	A 72093	SPRING - idle screw tension	1
2	A 72092	SCREW - idle adjust	1
3	A 72077	JET ASSEMBLY - high speed and idle adjust	1
4	A 72076	SPRING - idle jet	1
5	A 72099	SCREW - adjusting (Lean-rich)	1
6	A 72098	SPRING - Lean-rich adjust screw	1
7	A 72079	PIN - carburetor float	1
8	A 72078	FLOAT ASSEMBLY	1
9	A 72080	BOWL - carburetor	1
9A	A 72083	GASKET - bowl screw	1
10	A 72084	NUT AND GASKET ASSEMBLY - bowl	1
11	A 72103	KIT - carburetor repair	1
12	NSS	INLET NEEDLE AND SEAT ASSEMBLY	1
13	NSS	GASKET - carburetor bowl ring	1
14	NSS	GASKET - carburetor bowl	1
15	A 72083	GASKET - bowl screw	1

FUEL PUMP

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

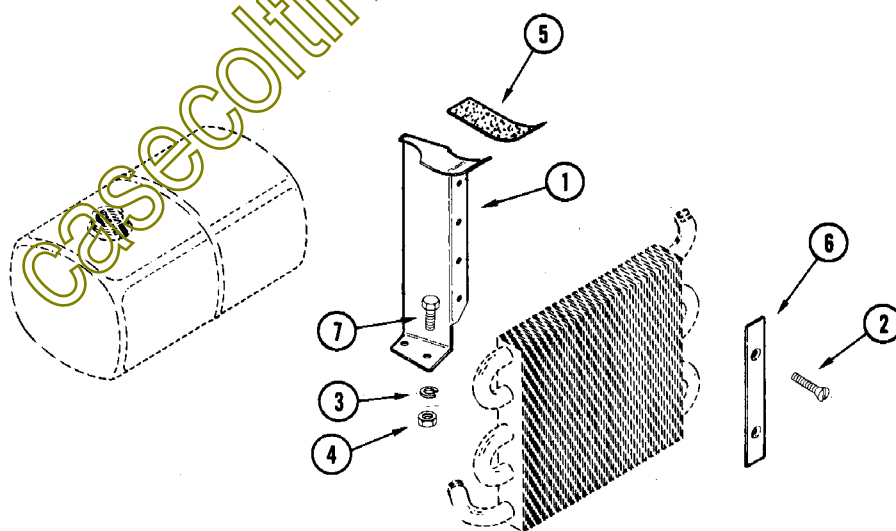
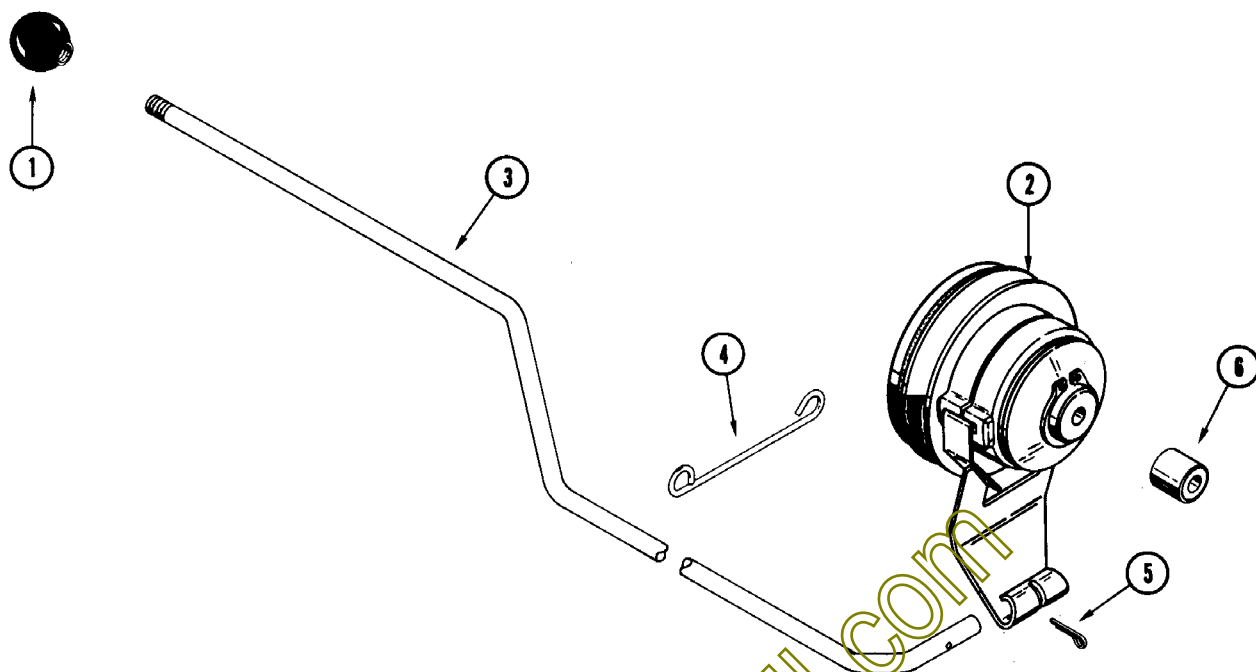


FUEL SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 72073	CARBURETOR ASSEMBLY (Repairs, page 19).....	1
2	A 72100	GASKET - carburetor flange	1
3	C 10678	ELBOW - fuel pump and carburetor.....	3
4	214- 251	CLAMP - hose.....	4
5	C 15007	HOSE - carburetor 5-1/4".....	1
6	192- 20	LOCKWASHER - 5/16"	2
7	113- 103	BOLT - 5/16" x 1" NC hex	2
8	KOA235845	FUEL PUMP - (10 H.P. model) 220	1
9	71- 410	SCREW - 1/4" x 5/8" NC fillister head	2
10	193- 60	LOCKWASHER - 1/4"	2
11	KO 275341	GASKET - air horn.....	1
12	KOA236205	FUEL PUMP - (12 H.P. model) 222 and 442	1
13	A 72108	GASKET - fuel pump mounting	1
14	C 10657	ELBOW ASSEMBLY - fuel tank	1
15	C 14157	CLIP - fuel line	2
16	C 13415	HOSE - fuel line 46".....	1
17	C 13411	TANK - fuel	1
18	C 11529	CAP - fuel tank (Includes insert).....	1
19	C 11545	INSERT - fuel cap	1

SEAT, FENDERS AND TOOL BOX

1	C 14250	SUPPORT - seat (220 and 222)	1
2	C 14513	SUPPORT - seat (442)	1
3	C 14126	FENDER - R.H.	1
3	C 14127	FENDER - L.H.	1
4	175- 400	SCREW - 1/4" x 1/2" truss head Z.P.	10
5	192- 19	LOCKWASHER - 1/4" Z.P.	10
6	129- 101	NUT - 1/4" NC hex Z.P.	10
	C 13345	SEAT ASSEMBLY	1
7	C 14536	CUSHION - seat	1
8	C 11635	CUSHION - back	1
9	C 13373	PAN - seat	1
10	C 14900	SCREW - #10 x 3/8" Spin-Lok	5
11	195- 515	WASHER - 1/4" plain	2
12	C 13287	BRACKET - hinge	2
13	111- 101	BOLT - 1/4" x 5/8" Rd. Hd. Sq. Nk.	2
14	131- 350	NUT - lock 1/4" NC hex	2
15	C 14534	BUMPER - seat	2
16	15- 836	BOLT - 1/2" x 2-1/4" NC hex (442). ...	2
16	15- 852	BOLT - 1/2" x 3-1/4" NC hex (220 and 222)	2
17	15- 816	BOLT - 1/2" x 1" NC hex	2
18	92- 8	LOCKWASHER - 1/2"	4
19	C 14258	LEVER - shift	1
20	353- 157	SLEEVE - lock pin	1
21	C 14517	SPACER - cushion	1
22	C 14728	GRIP - shift lever	1
23	111- 349	BOLT - 3/8" x 2-1/2" NC Rd. Hd. Sq. Nk.	1
24	C 14645	SPACER - seat hinge	2
25	129- 103	NUT - 3/8" NC hex Z.P.	2
26	C 11942	SPRING - shift lever.....	1

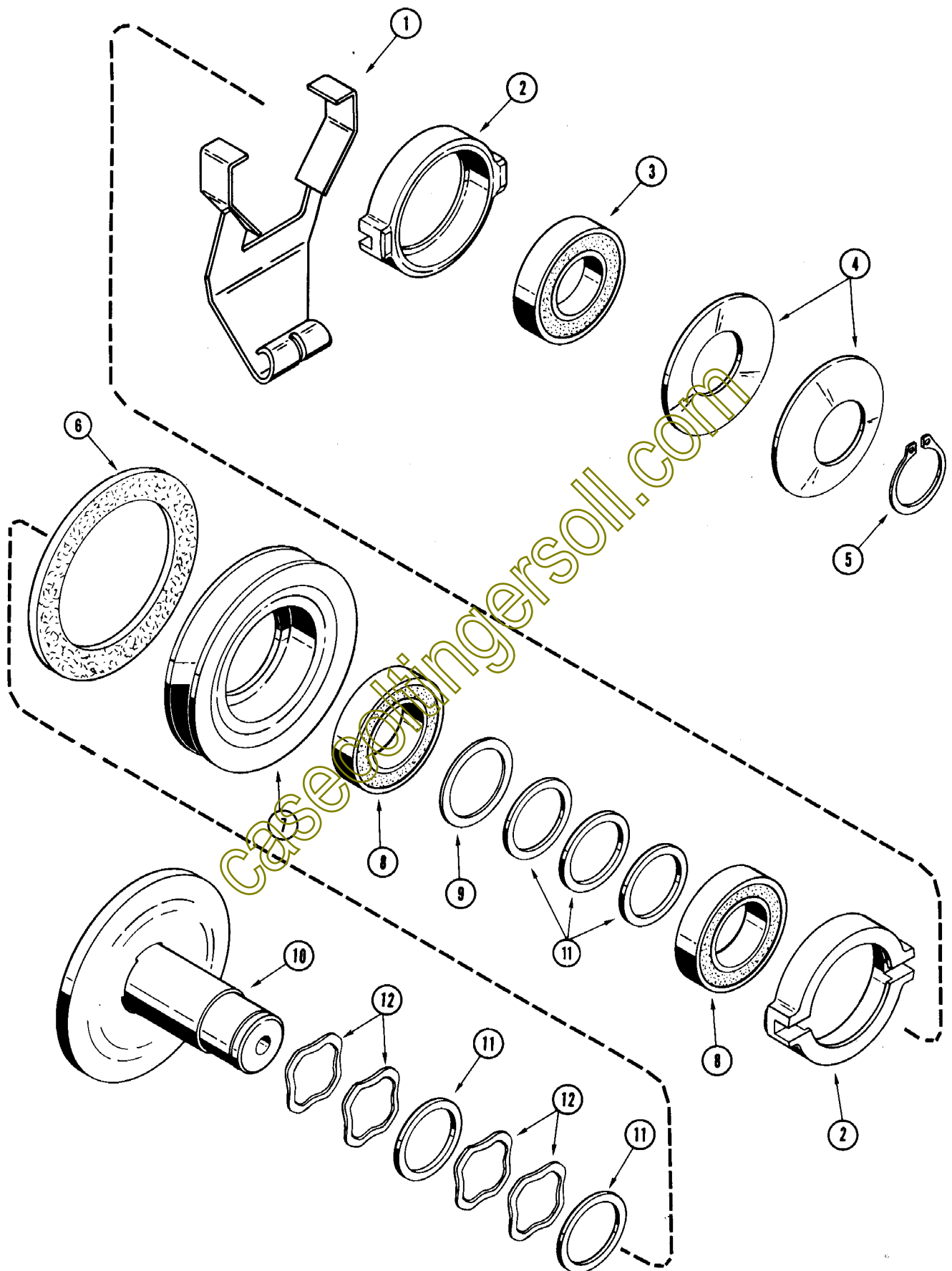


PULLEY CLUTCH & LINKAGE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 10487	KNOB - lever	1
2	C 14152	CLUTCH - PTO (Repairs, page 25)	1
3	C 14224	ROD - clutch control	1
4	C 14225	RETAINER - clutch rod	1
5	132- 48	PIN - cotter 1/8" x 1"	1
6	C 10312	SPACER - fan, short	1

HYDRAULIC RESERVOIR MOUNTING

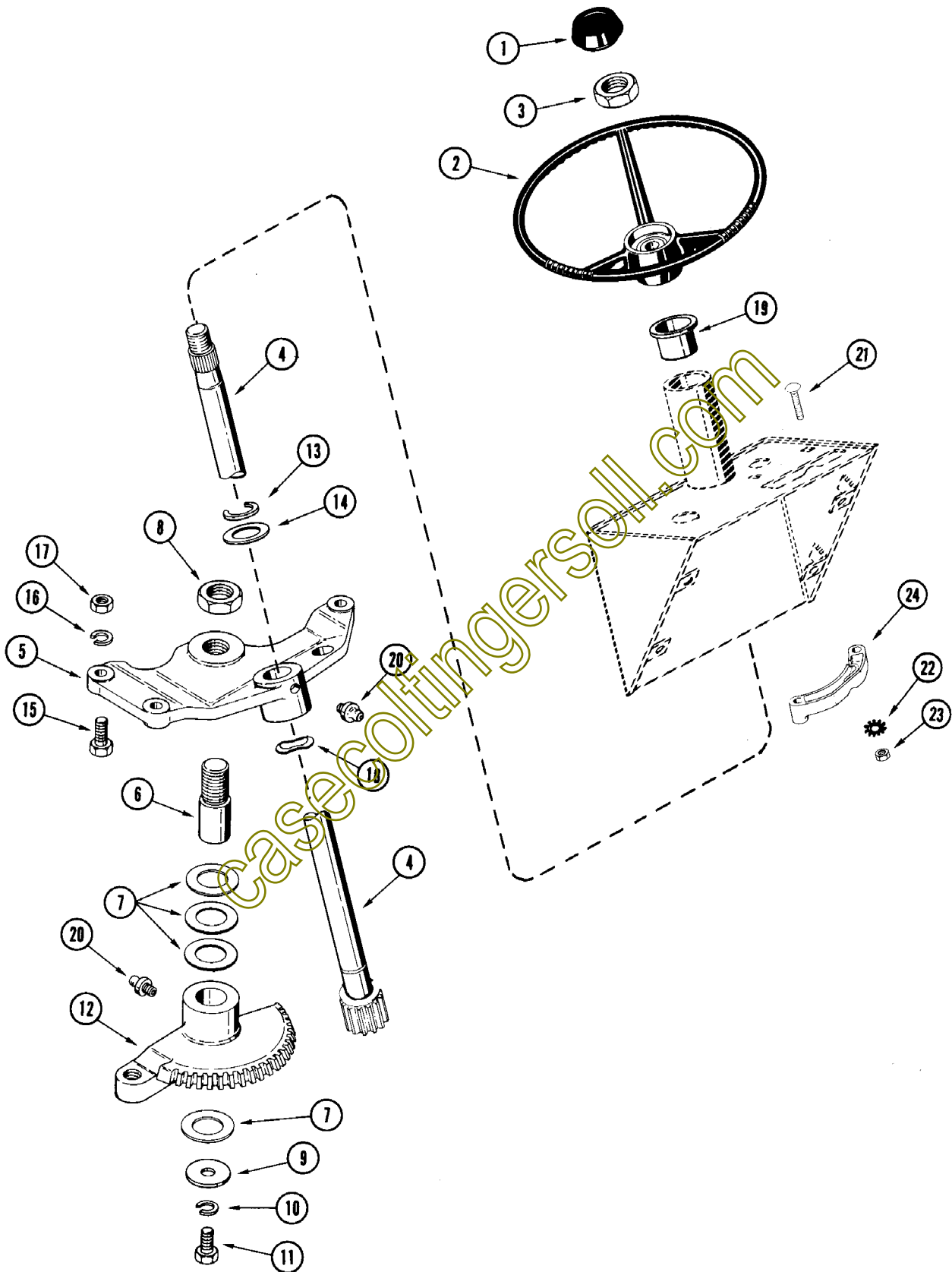
1	C 14240	SUPPORT - reservoir mounting R.H.	1
1	C 14241	SUPPORT - reservoir mounting L.H.	1
2	187- 1251	SCREW - 1/4" x 1-1/4" NC fillister head, Phillips, Z.P.	4
3	192- 20	LOCKWASHER - 5/16" Z.P.	4
4	129- 102	NUT - 5/16" NC hex Z.P.	4
5	C 14690	CUSHION - oil reservoir	2
6	C 14246	BRACKET - heat exchanger mounting	2
7	113- 118	BOLT - 5/16" x 5/8" NC hex Z.P.	4



C 14152 PULLEY CLUTCH

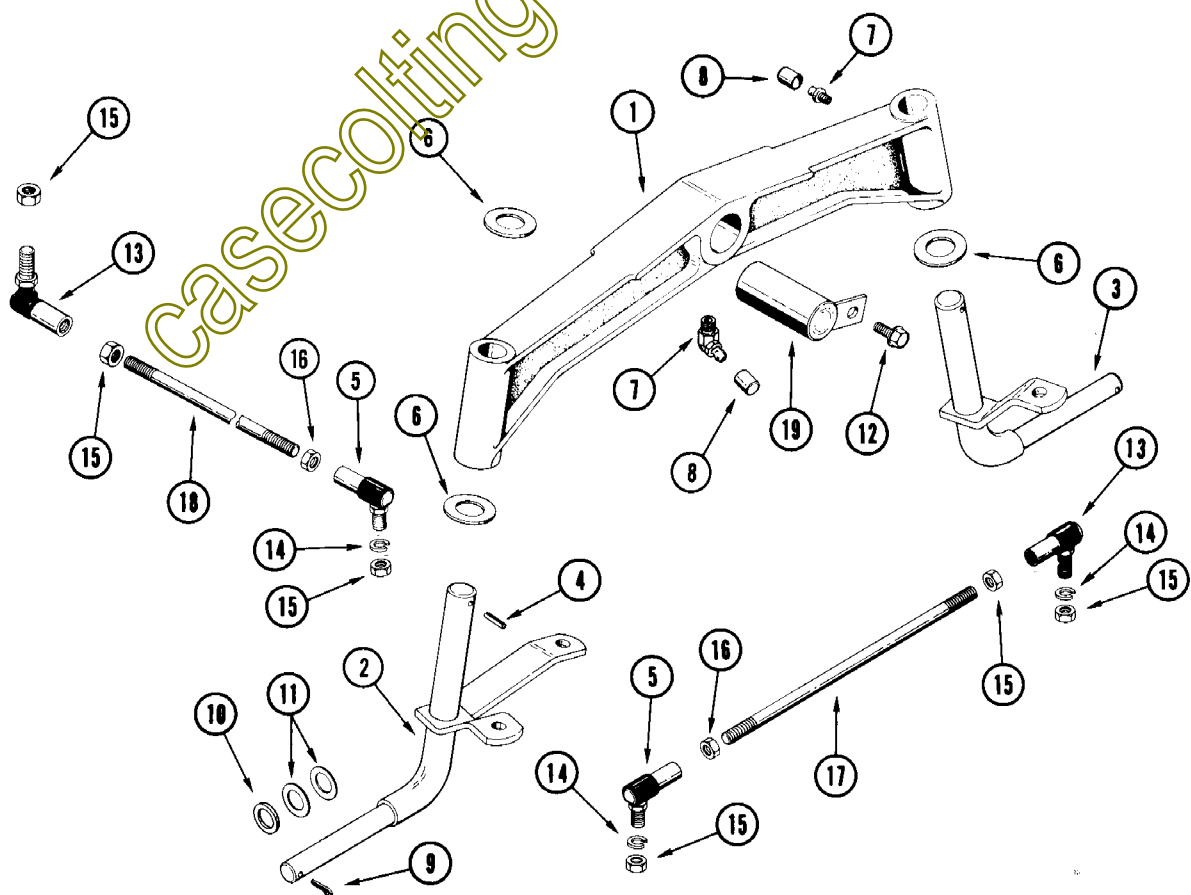
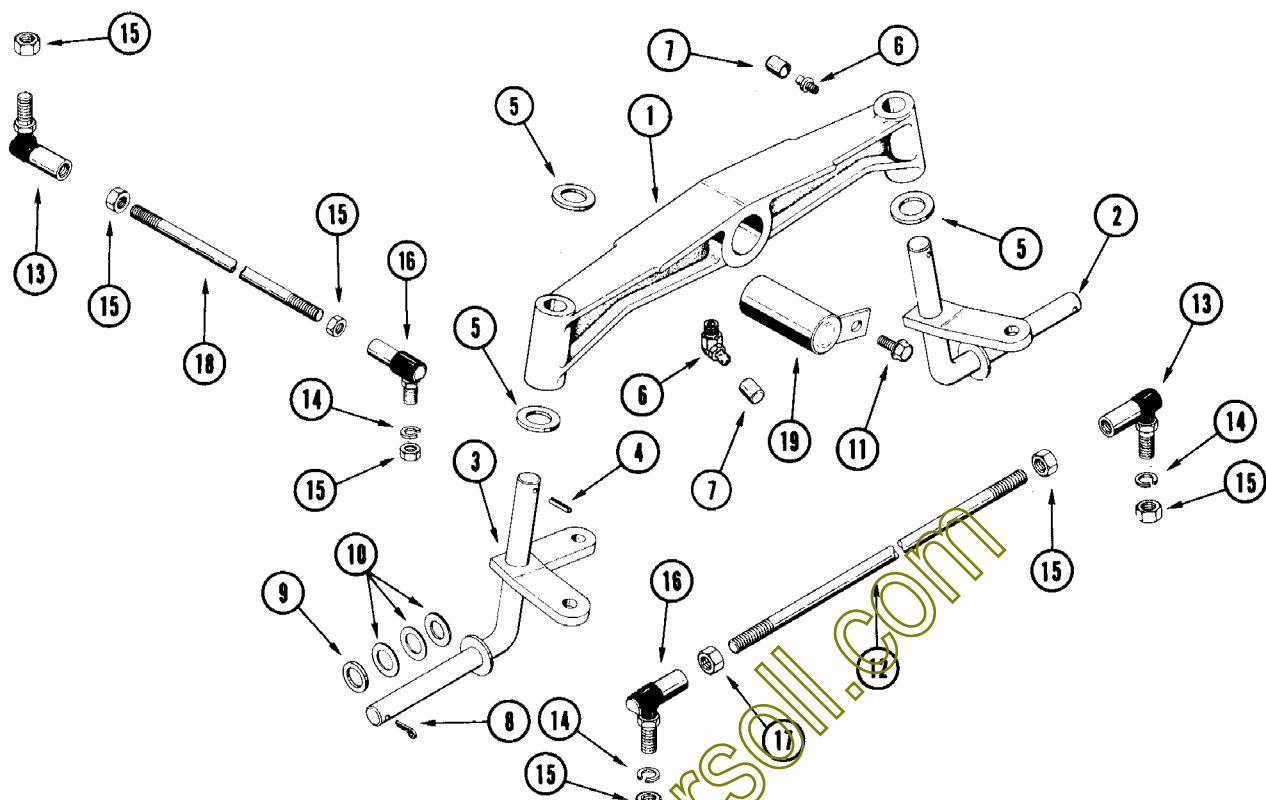
REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14994	YOKE ASSEMBLY - clutch	1
2	C 14293	CAM	2
3	C 14295	BEARING - cam	1
4	C 14296	SPRING - load	2
5	C 14297	RING - retainer	1
6	C 14291	DISC - friction liner	1
7	C 14292	PULLEY	1
8	C 14294	BEARING - cam and pulley	2
9	C 14288	SPACER - .010"	UAR
10	C 14283	HUB AND PLATE ASSEMBLY	1
11	C 14290	SPACER - .050"	5
12	C 14287	WASHER - spring	4

casecoltingersoll.com



STEERING GEAR

REF. PART NO.	DESCRIPTION	REQ'D
1 L 15282	CAP - steering wheel	1
2 A 70058	WHEEL - steering	1
3 25- 1510	NUT - jam 5/8"	1
4 C 14194	SHAFT - steering	1
5 C 14197	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 G 49048	WASHER	1
10 192- 20	LOCKWASHER - 5/16" Z.P.	1
11 115- 103	BOLT - 5/16" x 3/4" NC hex	1
12 C 14990	GEAR - steering	1
13 O 5904-AB	RING - external retainer	1
14 A 30881	WASHER	1
15 115- 106	BOLT - 5/16" x 1-1/4" NC hex	3
16 92- 5	LOCKWASHER - 5/16"	3
17 25- 105	NUT - 5/16" NC hex	3
18 C 14343	WASHER - wavy	1
19 C 12126	BUSHING - flanged nylon	1
20 219- 404	FITTING - lube	2
21 111- 131	BOLT - 1/4" x 1-1/8" NC Rd. Hd. Sq. Nk.	2
22 193- 57	LOCKWASHER - 1/4" external tooth	2
23 129- 101	NUT - 1/4" NC hex Z.P.	2
24 C 14515	LOCATOR AND NEUTRAL SAFETY SWITCH ASSEMBLY	1

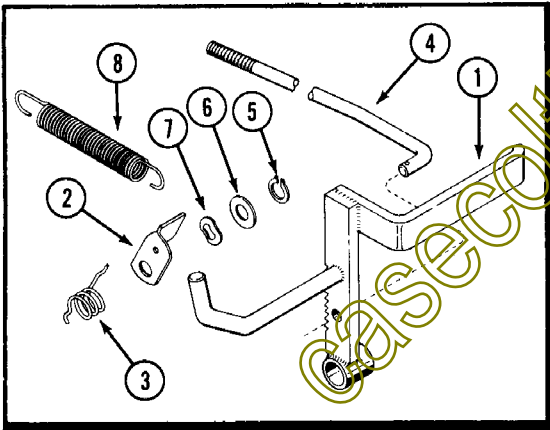
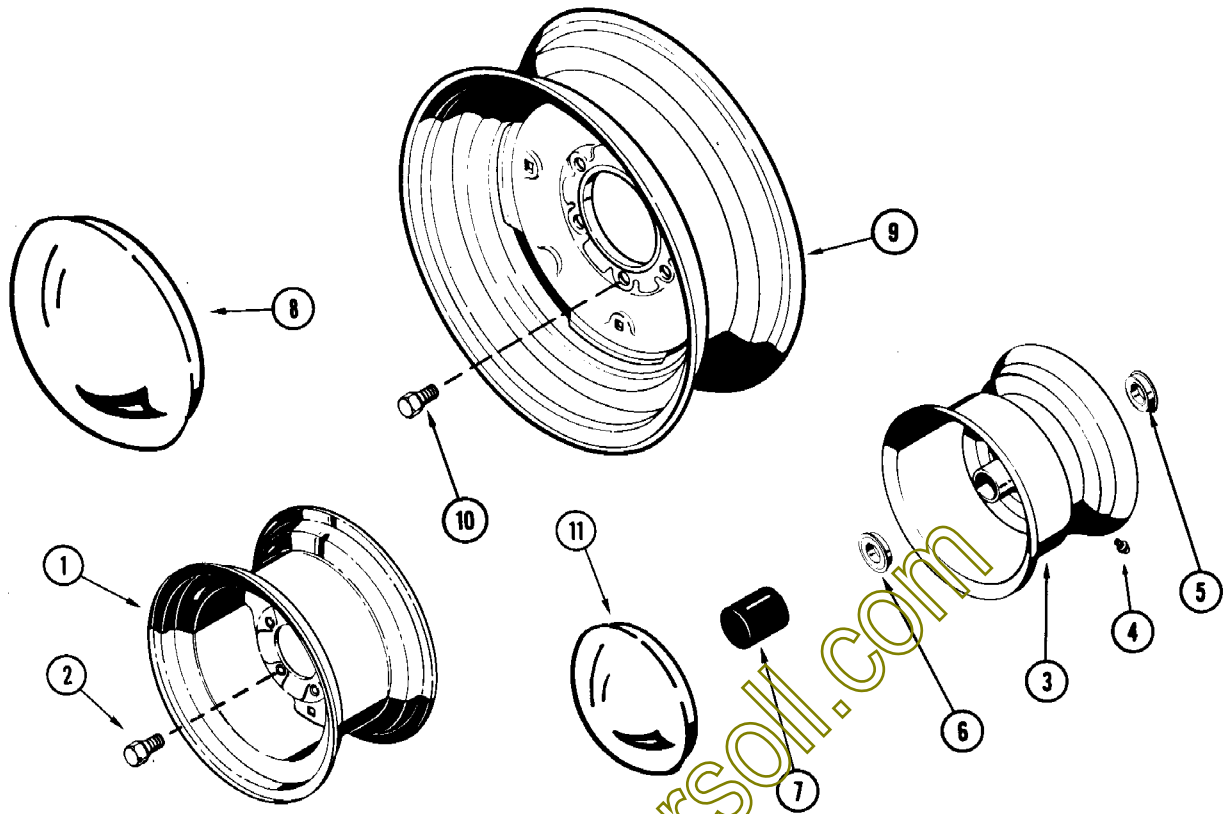


220 AND 222 FRONT AXLE

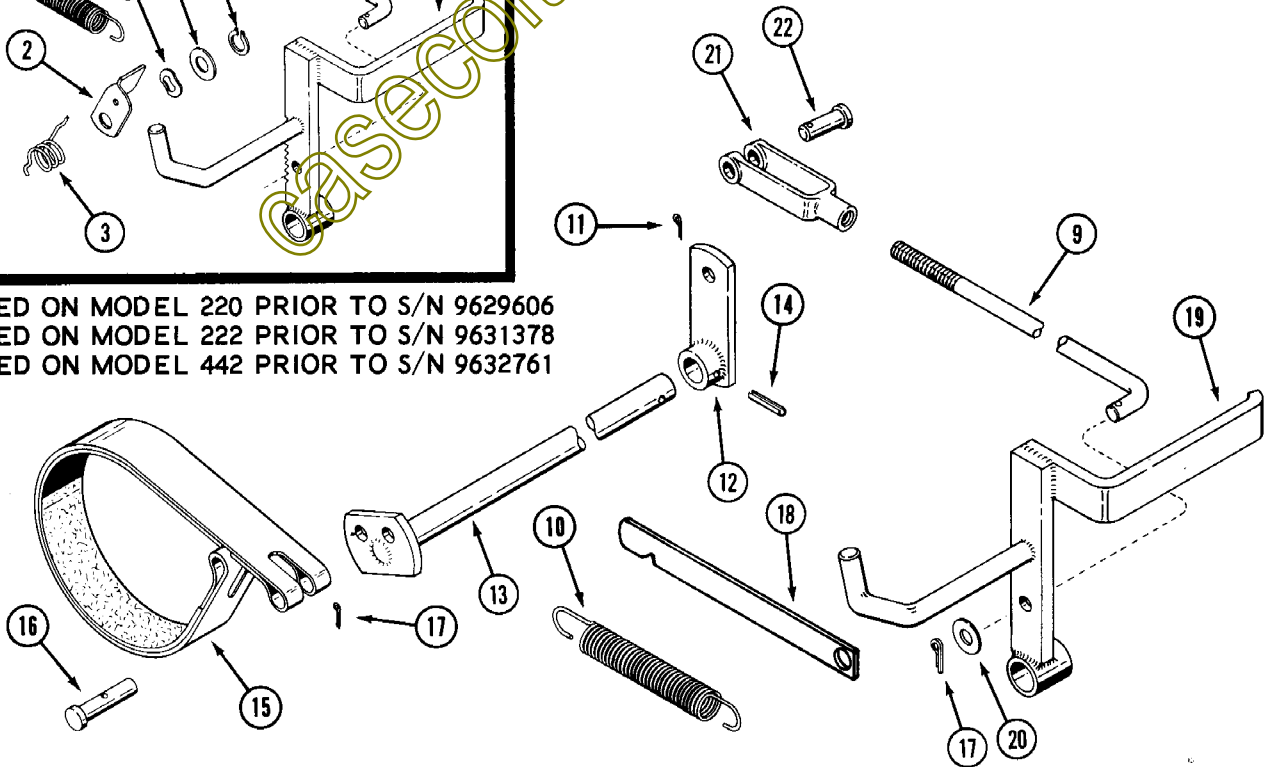
REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14129	AXLE - front	1
2	C 14128	SPINDLE - left hand	1
3	C 14131	SPINDLE - right hand	1
4	138- 99	PIN - roll	2
5	C 11906	WASHER - thrust	4
6	219- 404	FITTING - lube	3
7	C 13106	COVER - lube fitting	3
8	132- 311	PIN - cotter 5/32" x 1-1/4"	2
9	C 12975	WASHER - wheel spindle	2
10	A 30881	WASHER - wheel spacer	6
11	187- 1046	BOLT - 3/8" NC indented hex head	1
12	C 14334	TIE ROD	1
13	C 12102	BALL JOINT - 1/2" R.H. Thread	2
14	192- 23	LOCKWASHER - 1/2" Z.P.	3
15	25- 118	NUT - 1/2" NF hex R.H. Thread	6
16	C 13605	BALL JOINT - 1/2" L.H. Thread	2
17	129- 325	NUT - 1/2" NF hex L.H. Thread	2
18	C 14332	ROD - drag link	1
19	C 12003	PIN - axle pivot	1

442 FRONT AXLE

1	C 14151	AXLE - front	1
2	C 14317	SPINDLE - right hand	1
3	C 14318	SPINDLE - left hand	1
4	138- 99	PIN - roll	2
5	C 13605	BALL JOINT - 1/2" L.H. Thread	2
6	C 13716	WASHER - thrust	4
7	219- 404	FITTING - lube	3
8	C 13106	COVER - lube fitting	3
9	132- 311	PIN - cotter 5/32" x 1-1/4"	2
10	C 12975	WASHER - wheel spindle	2
11	A 30881	WASHER - wheel spacer	4
12	187- 1046	BOLT - 3/8" NC indented hex head	1
13	C 12102	BALL JOINT - 1/2" R.H. Thread	2
14	192- 23	LOCKWASHER - 1/2" Z.P.	3
15	25- 118	NUT - 1/2" NF hex R.H. Thread	6
16	129- 325	NUT - 1/2" NF hex L.H. Thread	2
17	C 14333	TIE ROD	1
18	C 14332	ROD - drag link	1
19	C 12003	PIN - axle pivot	1



USED ON MODEL 220 PRIOR TO S/N 9629606
 USED ON MODEL 222 PRIOR TO S/N 9631378
 USED ON MODEL 442 PRIOR TO S/N 9632761

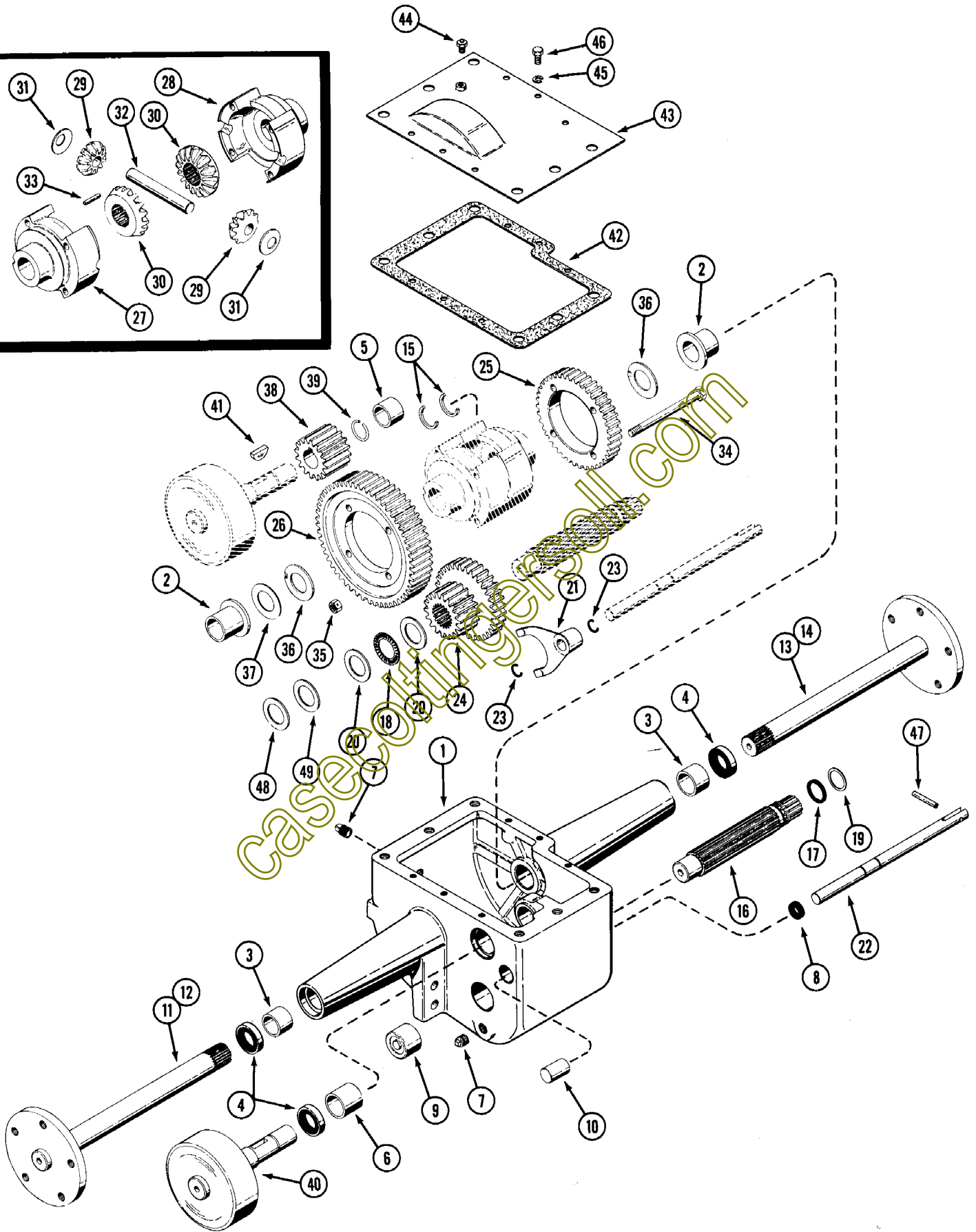
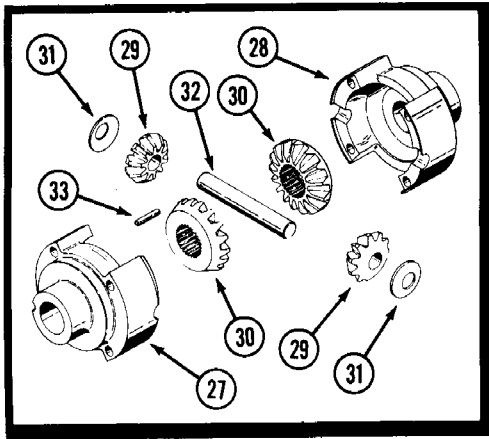


FRONT AND REAR WHEELS

REF. PART NO.	DESCRIPTION	220 & 222	442
1 C 10263	WHEEL - rear, 5 bolt	2	
2 C 10314	BOLT - rear wheel	10	
3 C 12081	WHEEL - front	2	2
4 219- 1	FITTING - lube.	2	2
5 C 12110	BEARING - front wheel (inner)	2	2
6 C 12111	BEARING - front wheel (outer)	2	2
7 C 12370	CAP - plastic, front wheel	2	2
8 A 70185	CAP - hub rear wheel (optional)	2	
9 C 10317	WHEEL - rear, 6 bolt		2
10 A 30064	BOLT - rear wheel		12
11 A 70062	CAP - hub front wheel (optional)	2	2

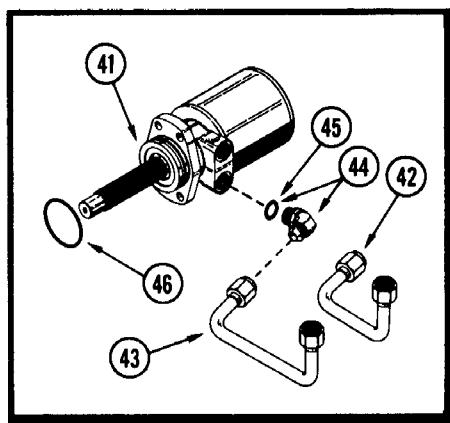
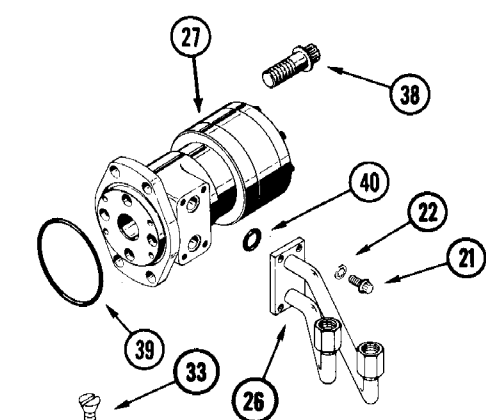
BRAKE ASSEMBLY

1 C 14268	PEDAL - brake	1
2 C 12604	LOCK - brake	1
3 C 13357	SPRING - brake lock	1
4 C 14186	ROD - brake (220 and 222)	1
4 C 14916	ROD - brake (442)	1
5 A 11538	RETAINER - external	1
6 195- 533	WASHER - 1/2" Z.P.	1
7 C 12115	WASHER - 1/2" wavy	1
8 C 12612	SPRING - brake pedal	1
9 C 14945	ROD - brake (442)	1
9 C 14946	ROD - brake (220 and 222)	1
10 C 14944	SPRING - brake pedal	1
11 132- 321	PIN - cotter 3/32" x 1"	1
12 C 13863	ARM - brake	1
13 C 13866	SHAFT - brake	1
14 138- 96	PIN - spirol 3/16" x 1"	1
15 C 14187	BAND - brake	1
16 C 13526	PIN - clevis	3
17 132- 310	PIN - cotter 1/8" x 1"	2
18 C 14942	LEVER - brake lock	1
19 C 14950	PEDAL - brake	1
20 195- 104	WASHER - 7/16" Z.P.	1
21 213- 4	CLEVIS - 3/8"	1
22 141- 4	PIN - clevis	1

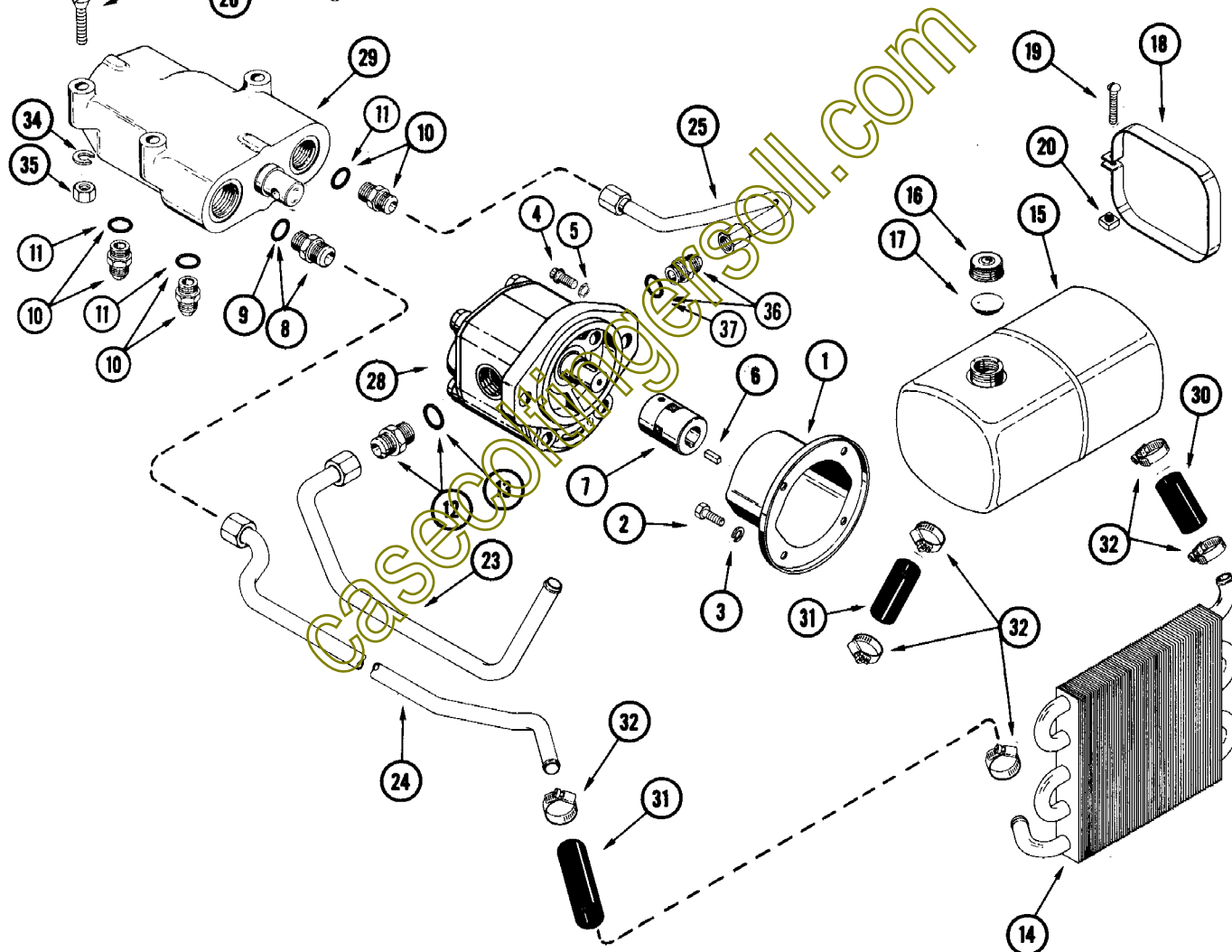


TRANSMISSION AND FINAL DRIVE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 13770	CASE - transmission	1
2	C 12713	BEARING - flange	2
3	C 12540	BEARING - sleeve	2
4	C 14531	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 12720	SHAFT - axle, short R.H. (220 and 222)	1
12	C 12722	SHAFT - axle, short R.H. (442)	1
13	C 12719	SHAFT - axle, long L.H. (220 and 222)	1
14	C 12721	SHAFT - axle, long L.H. (442)	1
15	O 4466-AB	RING - retainer, axle	2
16	C 12554	SHAFT - transmission input (220 & 222; also 442 prior to S/N 9632452)	1
17	C 14199	RING - input shaft seal (220 & 222; also 442 prior to S/N 9632452)	1
18	T 36441	BEARING - thrust	1
19	C 14656	RING - back up (220 & 222; also 442 prior to S/N 9632452)	1
20	C 13212	RACE - thrust bearing	2
21	C 12725	FORK - shift	1
22	C 14519	ROD - gear shift	1
23	C 14168	RING - retaining	2
24	C 14644	GEAR - cluster input (442 S/N 9632452 and after)	1
24	C 12553	GEAR - cluster input (220 & 222; also 442 prior to S/N 9632452)	1
25	C 12551	GEAR - high 41 tooth	1
26	C 12552	GEAR - low 55 tooth	1
27	C 12549	CASE - differential male	1
28	C 12548	CASE - differential female	1
29	C 12558	GEAR - differential pinion	2
30	C 12557	GEAR - differential	2
31	C 12559	WASHER - pinion thrust	2
32	C 12560	PIN - differential cross	1
33	C 12562	PIN - differential cross lock	1
34	C 12561	SCREW - 3/8" x 4-3/4" NC hex cap	4
35	131- 366	NUT - lock 3/8" NC 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	C 13196	GASKET - transmission cover	1
43	C 13197	COVER - transmission	1
44	A 50096	BREATHER - transmission	1
45	92- 4	LOCKWASHER - 1/4"	6
46	15- 48	BOLT - 1/4" x 1/2" NC hex	6
47	138- 2043	PIN - Spirol 1/4" x 11/16"	1
48	C 14844	WASHER - Special, thrust .030" hardened	UAR
49	C 14919	WASHER - special, shim .015"	UAR

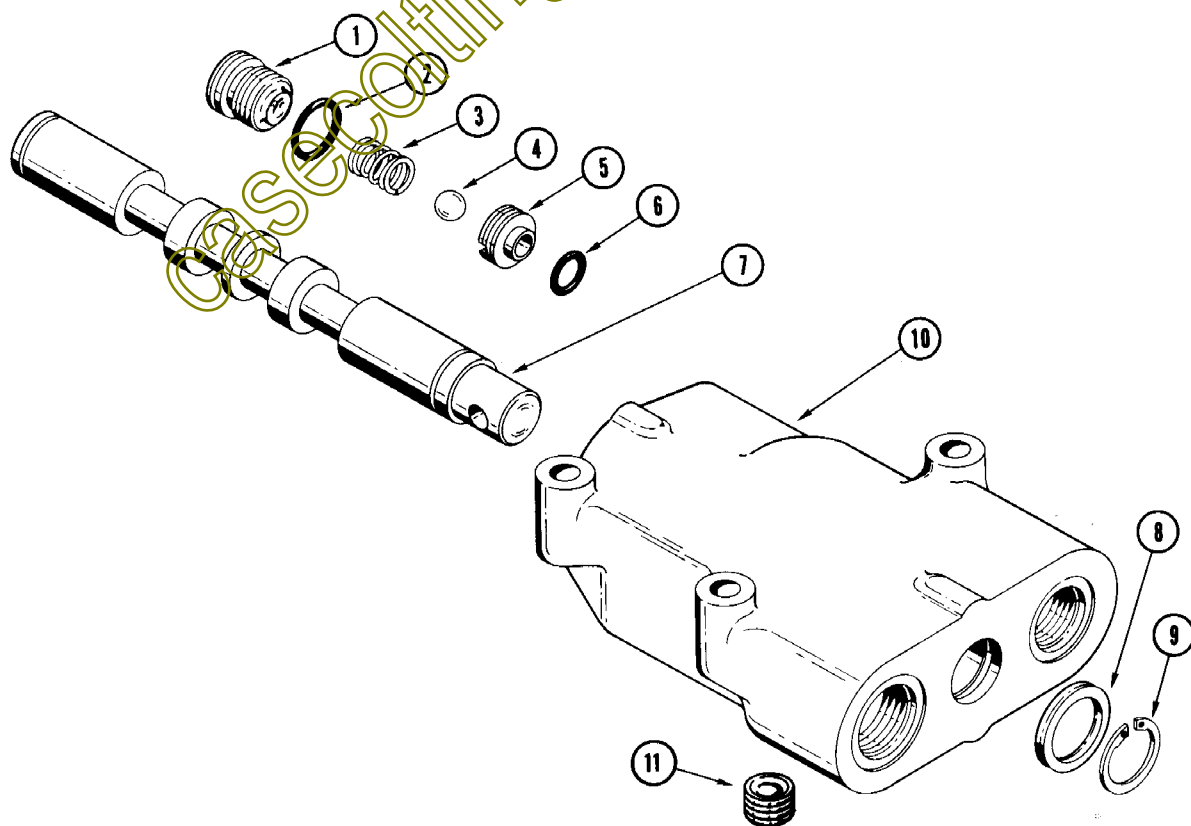
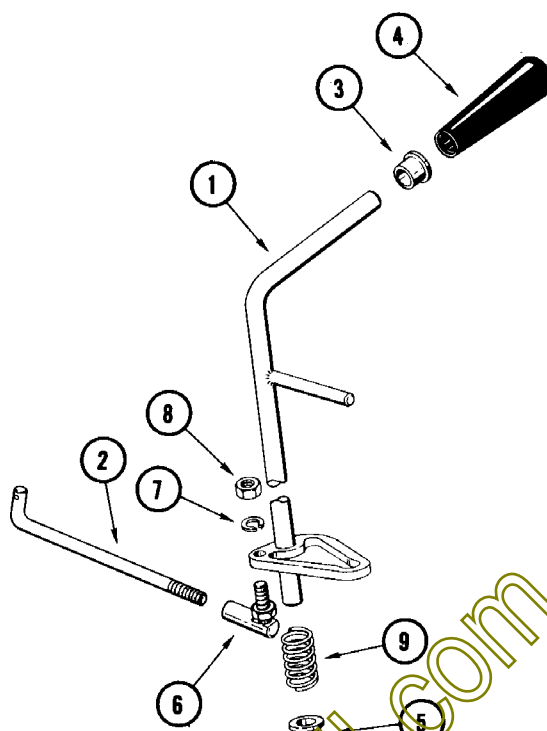


USED ON MODEL 442 S/N 9632452 AND AFTER



HYDRAULIC SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 70109	SUPPORT - pump mounting	1
2	113- 207	BOLT - 3/8" x 1" NC hex Z.P.	4
3	192- 21	LOCKWASHER - 3/8" Z.P.	4
4	166- 561	BOLT - 7/16" x 1" NF ferry cap Z.P.	2
5	193- 31	LOCKWASHER - 7/16" internal tooth	2
6	W 5063-S	KEY - square 1/4" x 3/4"	1
7	A 70111	COUPLING - pump drive (Repairs page 39)	1
8	218- 5065	FITTING - valve 3/4" T x 7/8" "O" ring	1
9	218- 5007	"O" RING - 5/8"	1
10	218- 5066	FITTING - hydraulic (For valves with 3/4" "O" ring motor ports)	3
10	218- 5062	FITTING - hydraulic (For valves with 7/8" "O" ring motor ports)	3
11	218- 5006	"O" RING - 1/2" (For 218-5066 fittings)	3
11	218- 5007	"O" RING - 5/8" (For 218-5062 fittings)	3
12	218- 5064	FITTING - pump suction 3/4" T x 1-1/16" O" ring.	1
13	218- 5008	"O" RING - 3/4"	1
14	C 14195	EXCHANGER - heat	1
15	C 14512	RESERVOIR - hydraulic oil	1
16	C 11529	CAP - reservoir, with insert	1
17	C 11545	INSERT - reservoir cap	1
18	A 70100	STRAP - reservoir mounting	2
19	173- 215	SCREW - 1/4" x 1-1/4" NC Rd. Hd. Machine Z.P.	2
20	129- 504	NUT - 1/4" NC square Z.P.	2
21	166- 24	BOLT - 5/16" x 3/4" NC ferry cap	4
22	193- 29	LOCKWASHER - 5/16" internal tooth	4
23	C 14247	TUBE - pump to reservoir.	1
24	C 14248	TUBE - valve to heat exchanger	1
25	C 14249	TUBE - pump to valve	1
26	C 14180	MANIFOLD - 220 and 222 tractors	1
26	C 14615	MANIFOLD - 442 tractors (used prior to S/N 9632452)	1
27	C 13047	MOTOR - hydraulic, 220 and 222 (Repairs page 41)	1
27	C 13498	MOTOR - hydraulic, 442 used prior to S/N 9632452 (Repairs page 41)	1
28	C 14244	PUMP - hydraulic, 220 and 222; also 442 S/N 9632452 and after (Repairs page 39)	1
28	C 14243	PUMP - hydraulic, 442 used prior to S/N 9632452 (Repairs page 39)	1
29	NSS	VALVE - control, 220 and 222; also 442 prior to S/N 9632452, order C 14172 valve and three of item 10, 218-5062 (Repairs page 37)	1
29	NSS	VALVE - control, 442 S/N 9632452 and after, order C 14613 valve and three of item 10, 218-5062 (Repairs page 37)	1
30	C 14245	HOSE - 3"	1
31	C 14619	HOSE - 4"	2
32	214- 9	CLAMP - hose 1-1/4"	6
33	73- 528	SCREW - 5/16" x 1-3/4" NC flat head	3
34	92- 5	LOCKWASHER - 5/16"	3
35	25- 105	NUT - 5/16" NC hex	3
36	218- 5062	FITTING - pump 5/8" T x 7/8" "O" ring	1
37	218- 5007	"O" RING - 5/8"	1
38	166- 1002	SCREW - 12 pt. 1/2" x 1-1/8" NC	4
39	A 32190	SEAL - hydraulic motor to transmission case	1
40	A 27410	"O" RING - manifold to motor	2
41	C 14655	MOTOR - hydraulic drive (Parts not serviced)	1
42	C 14653	TUBE - short, valve to upper motor port	1
43	C 14654	TUBE - long, valve to lower motor port	1
44	218- 5107	FITTING - elbow 90° (Includes "O" ring)	2
45	218- 2007	"O" RING - 5/8" for 218-5107 fitting	2
46	A 30095	SEAL - hydraulic motor to transmission case	1

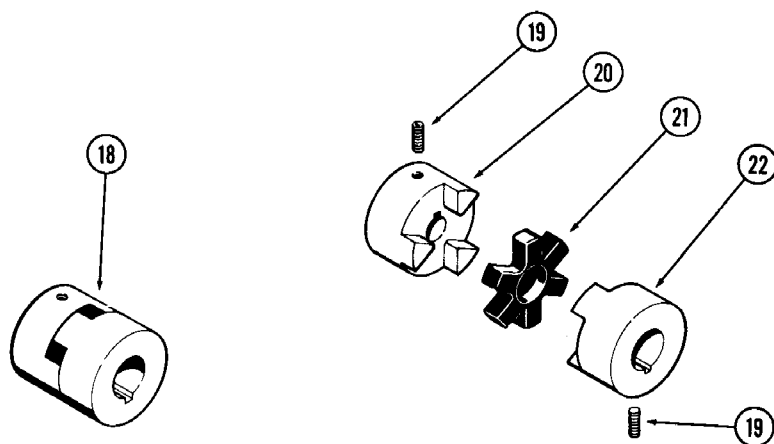
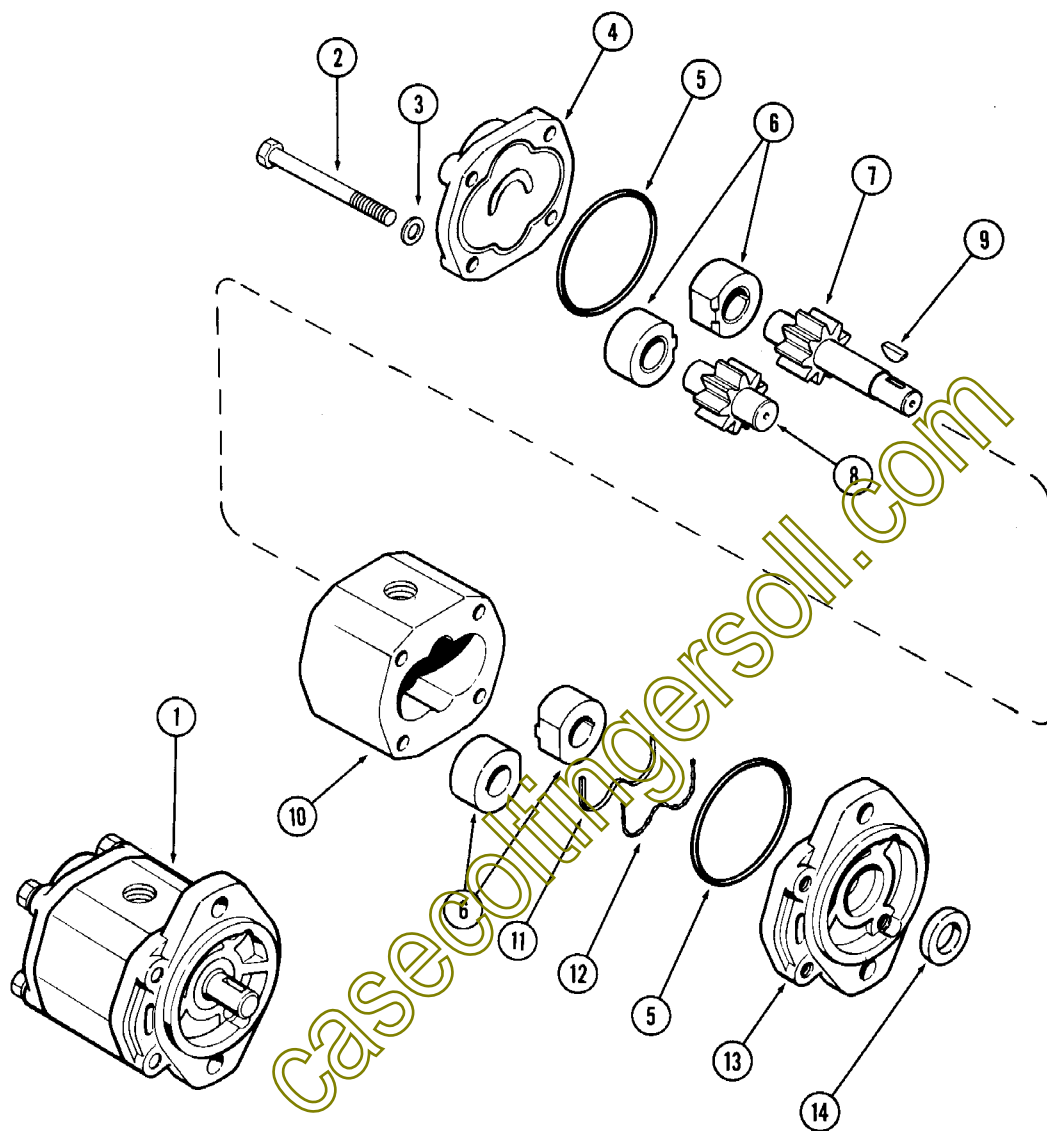


SPEED CONTROL

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14278	LEVER - speed control	1
2	C 14255	ROD - speed control	1
3	C 12093	BUSHING - flip lock	1
4	A 37247	KNOB - speed control	1
5	C 12127	BUSHING - nylon	1
6	C 12168	JOINT - ball	1
7	192- 20	LOCKWASHER - 5/16" Z.P.	1
8	129- 102	NUT - 5/16" NC hex Z.P.	1
9	C 11942	SPRING - compression	1

HYDRAULIC CONTROL VALVE

	C 14172	VALVE - control (220 and 222, also 442 prior to S/N 9632452)	1
	C 14613	VALVE - control (442; S/N 9632452 and after)	1
1	C 13512	PLUG - adjusting	1
2	16905	SEAL - "O" ring	1
3	C 13515	SPRING - relief	1
4	211- 10	BALL - steel 11/32"	1
5	C 13510	SEAT - ball	1
6	A 27891	SEAL - "O" ring	1
7	NSS	SPOOL (Order C14172 or C14613 valve)	1
8	C 13514	SEAL - quad ring	2
9	C 13513	RING - retainer	2
10	NSS	BODY - valve (Order C14172 or C14613 valve)	1
11	221- 12	PLUG - 1/4" NPT	1

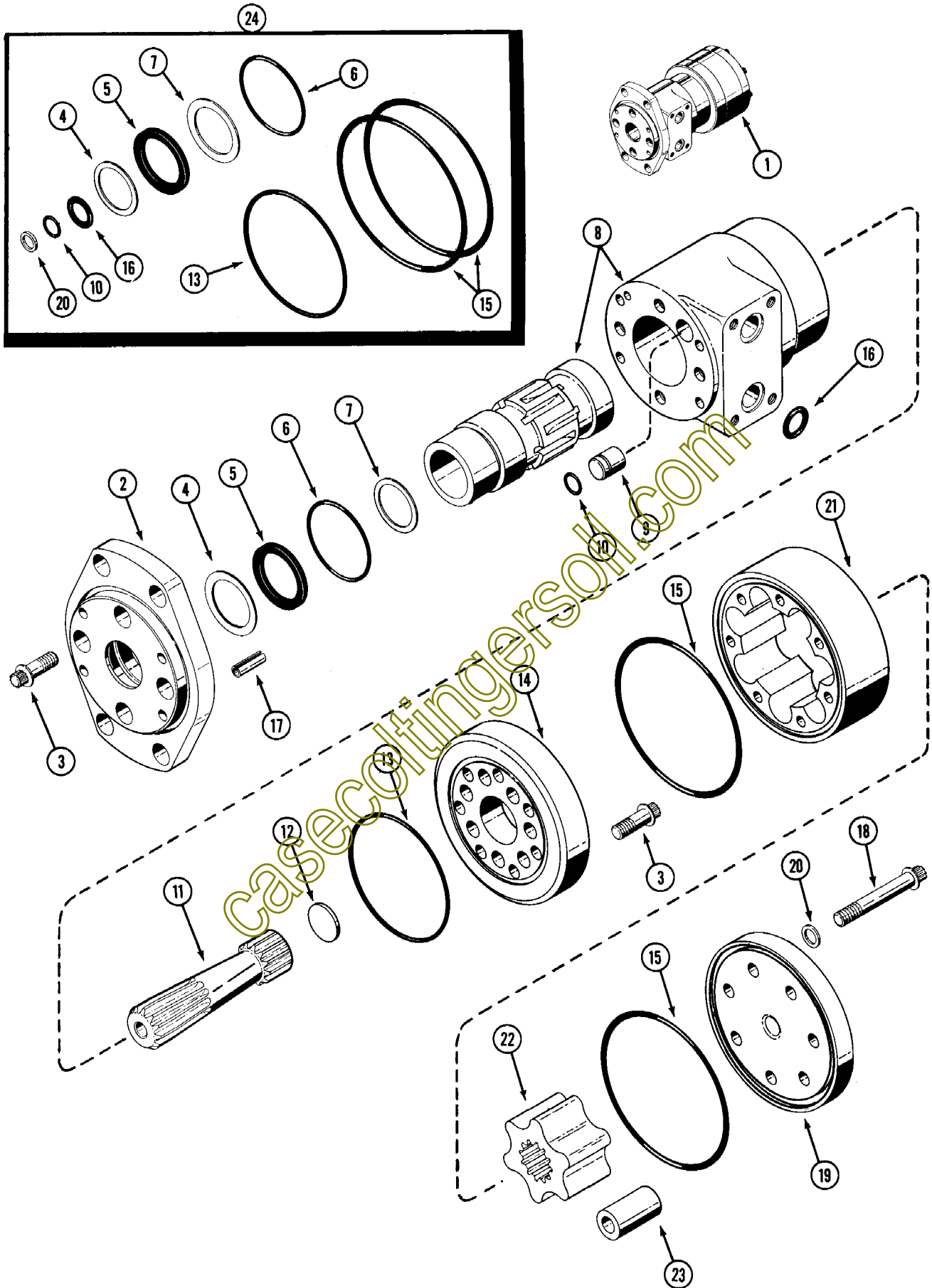


HYDRAULIC PUMP

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14244	PUMP - hydraulic (220 and 222; also 442 S/N 9632452 and after) . . .	1
1	C 14243	PUMP - hydraulic (442 prior to S/N 9632452)	1
2	13- 652	BOLT - 3/8" x 3-1/4" NC hex head (C14243 pump)	4
2	13- 650	BOLT - 3/8" x 3-1/8" NC hex (C14244 pump)	1
3	92- 6	WASHER - special	4
4	C 11644	COVER - rear, pump body	1
5	C 14923	SEAL - pump cover	2
6	A 35956	BEARING - pump gear	4
7	C 11642	GEAR - pump drive (For C14244 pump on Models 220 and 222)	1
7	A 72005	GEAR - pump drive (For C14243 pump on Model 442)	1
8	C 11643	GEAR - pump driven (For C14244 pump on Models 220 and 222)	1
8	A 72004	GEAR - pump driven (For C14243 pump on Model 442)	1
9	126- 12	KEY - Woodruff #6	1
10	NSS	BODY - pump (Order C14243 or C14244)	1
11	A 72001	GASKET - brass, front cover	1
12	A 72002	SPACER - gasket, front cover	1
13	A 72007	COVER - front pump body	1
14	G 13827	SEAL - pump shaft	1

PUMP DRIVE COUPLING

18	A 70111	COUPLING - pump drive	1
19	83- 55	SCREW - 5/16" x 5/16" NC socket head set	2
20	NSS	HUB - half, 5/8" diameter bore (Order A70111)	1
21	A 70112	SPIDER - coupling	1
22	NSS	HUB - half, 1" diameter bore (Order A70111)	1



HYDRAULIC DRIVE MOTOR

REF. PART NO.	DESCRIPTION	REQ'D
1 C 13047	MOTOR - hydraulic drive (220 and 222)	1
1 C 13498	MOTOR - hydraulic drive (442 prior to S/N 9632452)	1
2 C 14816	PLATE - mounting	1
3 166- 524	SCREW - cap, ferry 5/16" x 7/8" NF	11
4 NSS	WASHER - back up (See Ref. 24)	1
5 NSS	QUAD RING - mounting plate (See Ref. 24)	1
6 NSS	"O" RING - mounting plate (See Ref. 24)	1
7 C 14817	WASHER - thrust (See Ref. 24)	1
8 C 14818	SHAFT AND HOUSING ASSEMBLY	1
9 A 72034	PLUG - housing	1
10 NSS	"O" RING - housing plug	1
11 C 14819	COUPLING - drive for C13047 motor	1
11 C 14820	COUPLING - drive for C13498 motor	1
12 C 14824	SPACER - coupling	1
13 NSS	"O" RING - housing to spacer plate (See Ref. 24)	1
14 C 14821	PLATE - spacer	1
15 NSS	"O" RING - spacer plate to geroler (See Ref. 24)	2
16 A 27410	"O" RING - housing	2
17 138- 134	PIN - roll 1/4" x 1"	4
18 166- 535	SCREW - cap, end 5/16" x 2-1/8" NF	7
18 166- 536	SCREW - cap, end 5/16" x 2-7/8" NF	7
19 C 14825	CAP - end	1
20 C 14301	WASHER - end cap	7
C 14822	KIT - geroler (For C13047 motor) (220 and 222)	1
C 14823	KIT - geroler (For C13498 motor) (442)	1
21 NSS	HOUSING - roller geroler	1
22 NSS	GEROLER	1
23 NSS	ROLLER	6
24 C 14826	KIT - "O" RING AND SEAL (Includes items 4, 5, 6, 7, 10, 13, 15, 16 and 20)	1

PK
220 Performance King

PK
222 Performance King

PK
442 Performance King

hydraulic drive

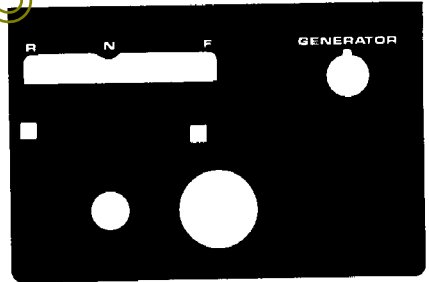
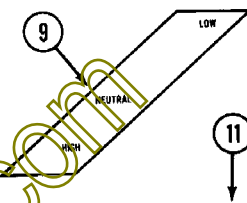
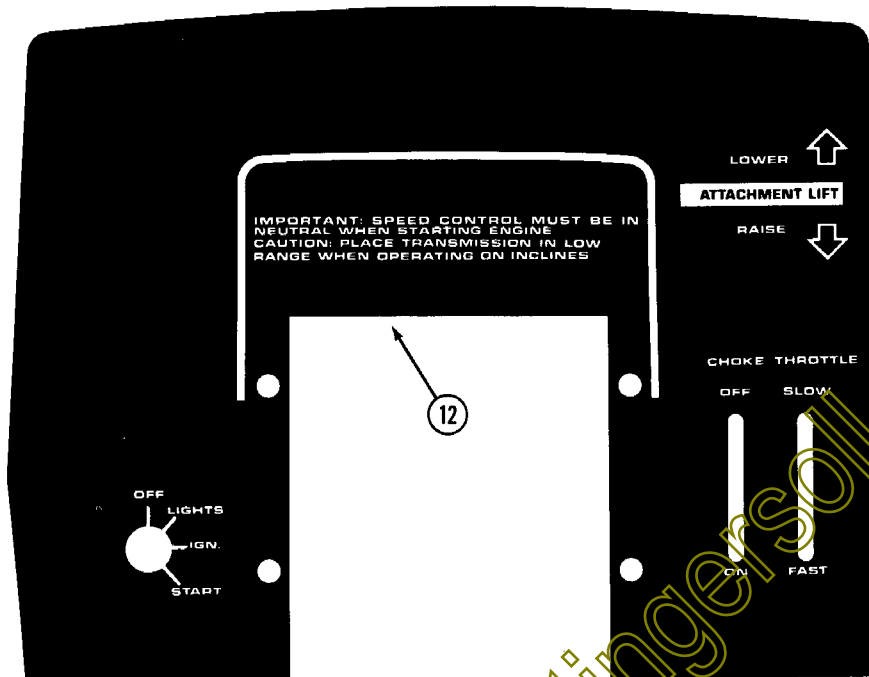
ATTACHMENT DRIVE
PULL ON PUSH OFF

GASOLINE
ONLY

HYDRAULIC RESERVOIR
OIL ONLY
WINTER SUMMER
8W-8D 8W-10
FILL LEVEL 1 INCH
BELOW TOP

POWER LIFT

F
E
D
C
B
A



CASE

220

CASE

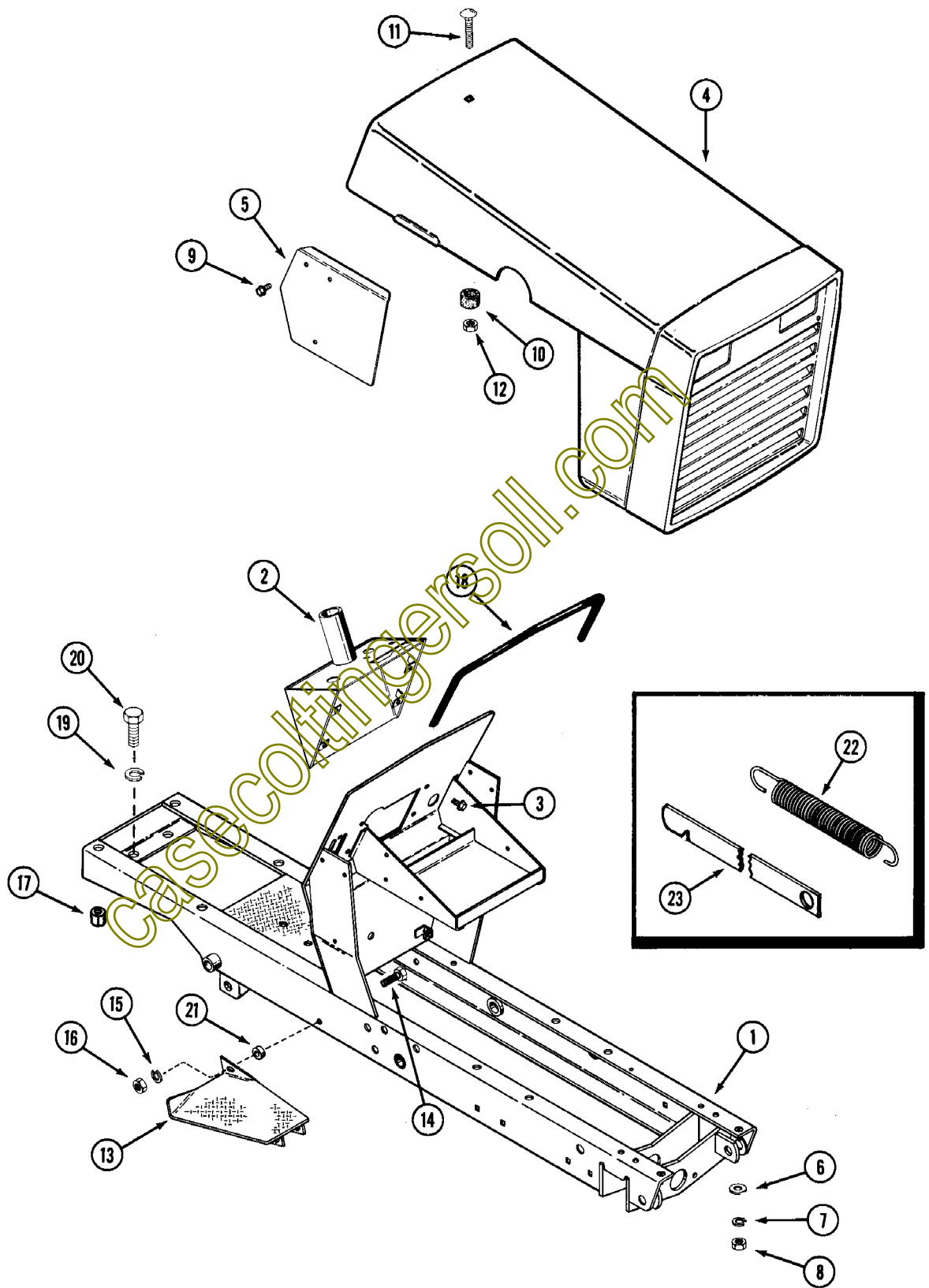
222

CASE

442

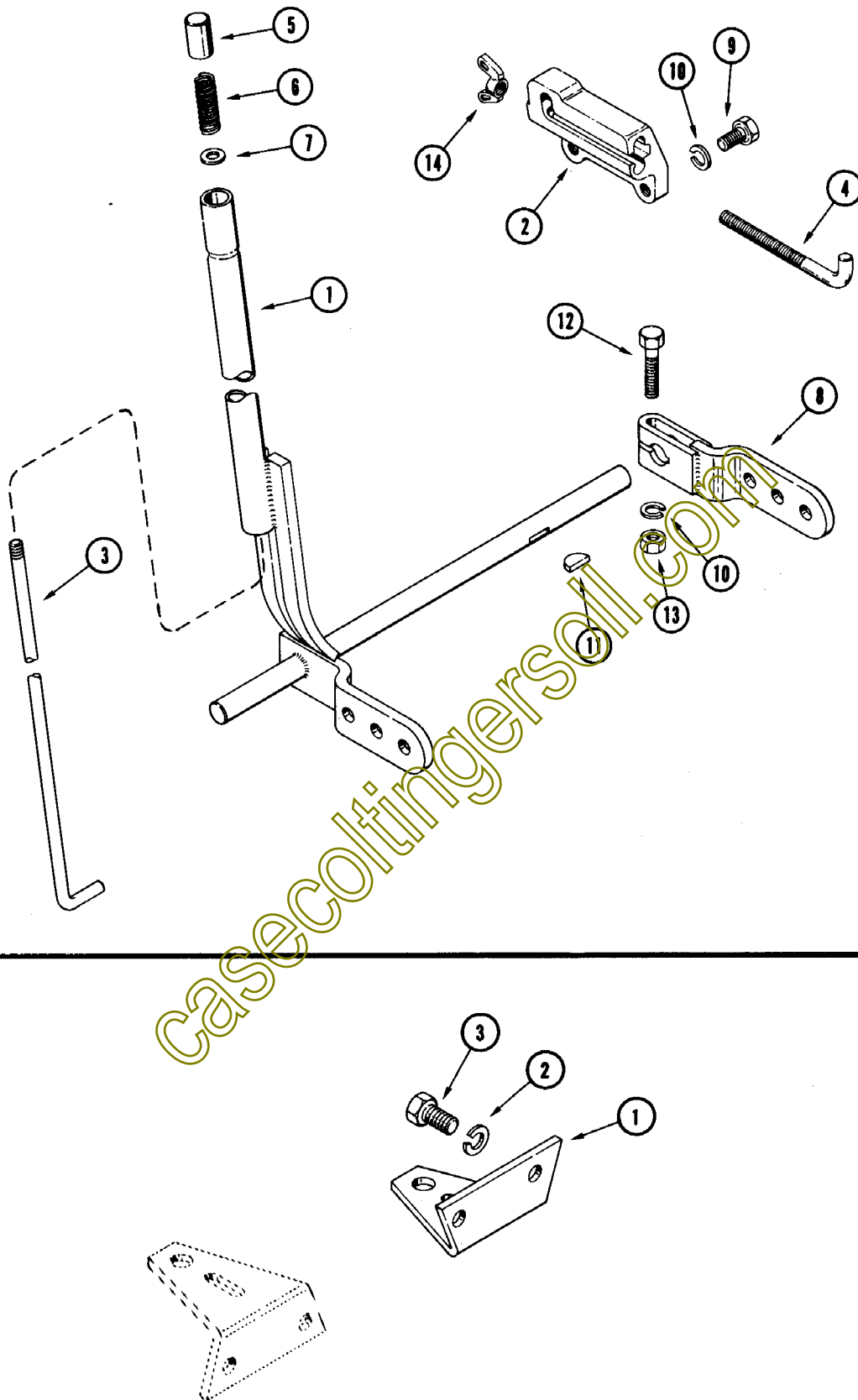
DECALS AND TRANSFERS

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14542	TRANSFER - PK220	1
2	C 14543	TRANSFER - PK222	1
3	C 14544	TRANSFER - PK442	1
4	C 14540	TRANSFER - hydraulic drive	2
5	C 14067	DECAL - attachment drive	1
6	C 14066	DECAL - gasoline	1
7	C 14539	DECAL - hydraulic reservoir	1
8	C 14627	DECAL - power lift	1
9	C 14561	DECAL - shift range	1
10	C 12506	DECAL - level indicator	1
11	C 14562	DECAL - instrument panel, small	1
12	C 14228	DECAL - instrument panel, large	1
13	C 14548	DECAL - 220 hood stripe L.H.	1
14	C 14549	DECAL - 220 hood stripe R.H.	1
15	C 14550	DECAL - 222 hood stripe L.H.	1
16	C 14551	DECAL - 222 hood stripe R.H.	1
17	C 14557	DECAL - 442 hood stripe L.H.	1
18	C 14558	DECAL - 442 hood stripe R.H.	1
19	C 14546	DECAL - stripe, rear hood	1



HOOD, FRAME AND GRILLE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14948	FRAME - main (220 and 222) (Includes items 22 & 23)	1
1	C 14947	FRAME - main (442) (Includes items 22 & 23)	1
2	C 14341	SUPPORT - steering	1
3	C 14326	SCREW - 1/4" x 1/2" NC indented hex	4
4	C 14213	GRILLE AND HOOD ASSEMBLY	1
5	C 14209	PANEL - rear side R.H.	1
5	C 14210	PANEL - rear side L.H.	1
6	195- 520	WASHER - 1/4" plain Z.P.	2
7	195- 19	LOCKWASHER - 1/4" Z.P.	2
8	129- 101	NUT - 1/4" NC hex	2
9	187- 1036	SCREW - 1/4" x 1/2" self-tapping hex head	6
10	C 14500	SPACER - hood	1
11	111- 109	BOLT - 1/4" x 1-1/4" Rd. Hd. Square Neck	1
12	131- 71	NUT - 1/4" NC hex	1
13	C 14589	PAD - foot L.H.	1
13	C 14590	PAD - foot R.H.	1
14	13- 514	BOLT - 5/16" x 7/8" NC hex	2
15	92- 5	LOCKWASHER - 5/16"	2
16	25- 105	NUT - 5/16" NC hex	2
17	C 14729	SPACER - rear frame (442)	2
17	C 14730	SPACER - rear frame (220 and 222)	2
18	C 14805	CHANNEL - instrument panel liner	1
19	92- 8	LOCKWASHER - 1/2"	4
20	15- 816	BOLT - 1/2" x 1" NC hex	4
21	C 14598	SPACER - foot pad R.H. (Used with Model F30 Hydraulic Lift Kit)	1
22	C 14944	SPRING - brake lock	1
23	C 14942	LEVER - brake lock	1



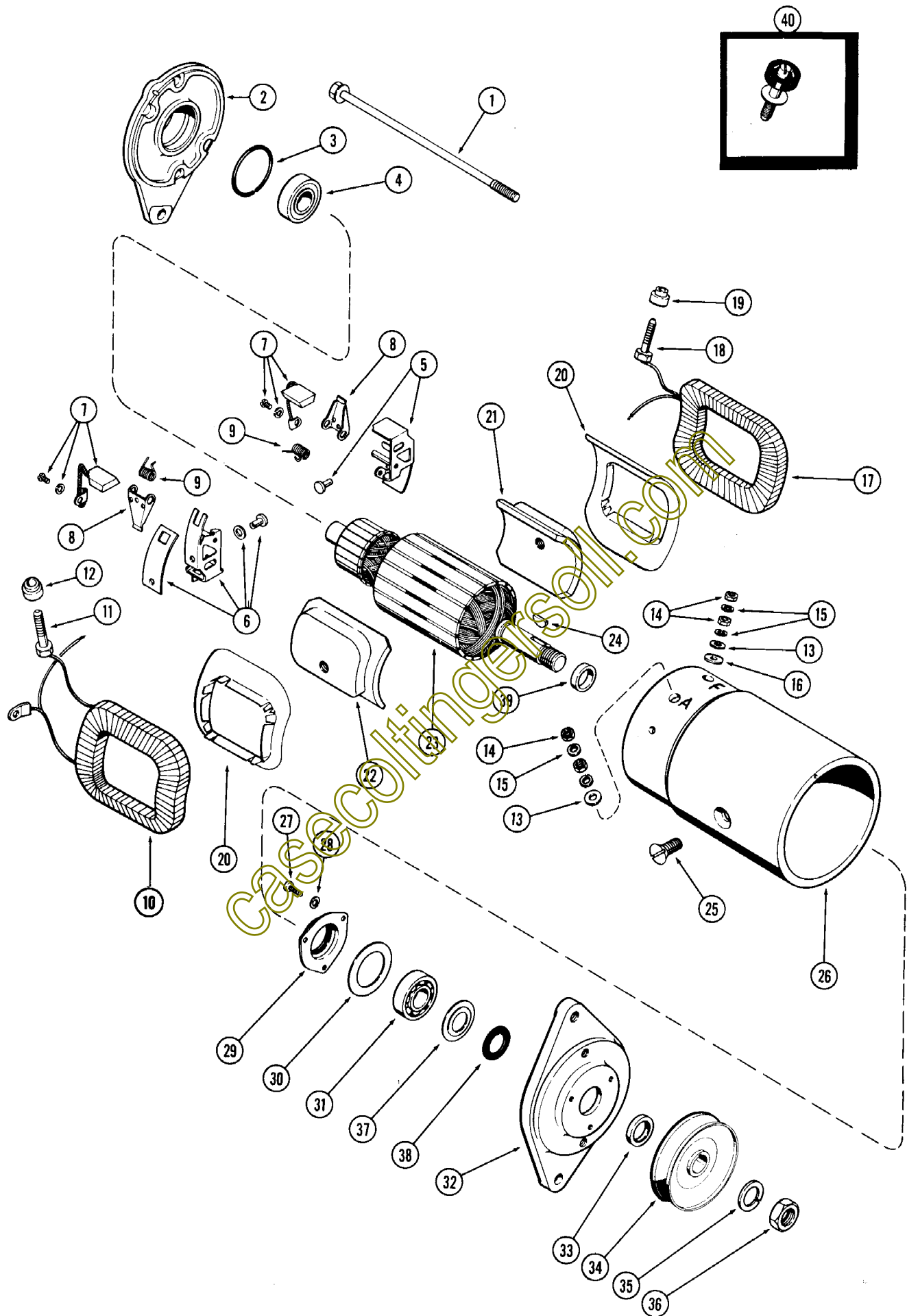
MOUNTING POSITION FOR 220 AND 222 TRACTORS

IMPLEMENT LIFT

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14524	LEVER - implement lift	1
2	C 13289	PAD - lift lever	1
3	C 14526	ROD - lift lever	1
4	C 12280	ROD - depth adjust	1
5	C 14525	BUTTON - thumb	1
6	C 14530	WASHER - spring support	1
7	C 10482	SPRING - compression	1
8	C 14528	LEVER - pivot	1
9	115- 203	BOLT - 3/8" x 3/4" NC hex Z.P.	2
10	192- 21	LOCKWASHER - 3/8" Z.P.	3
11	126- 119	KEY - Woodruff	1
12	113- 219	BOLT - 3/8" x 2" NC hex Z.P.	1
13	129- 103	NUT - 3/8" NC hex Z.P.	1
14	129- 601	NUT - wing 3/8" Nylock, Z.P.	1

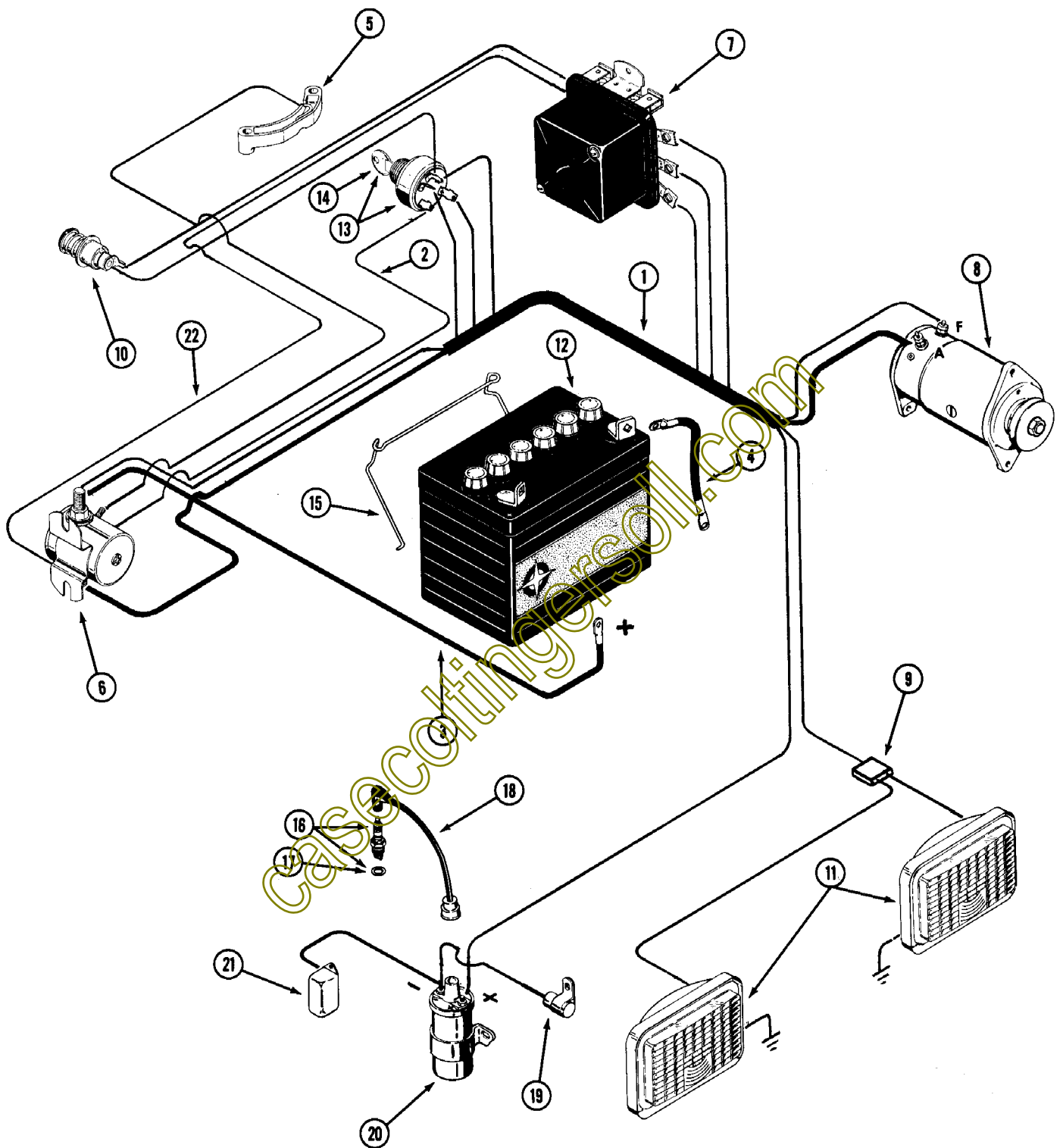
DRAWBAR AND TOW HITCH

1	C 13360	DRAWBAR	1
2	192- 23	LOCKWASHER - 1/2" Z.P.	2
3	113- 424	BOLT - 1/2" x 1" NC hex Z.P.	2



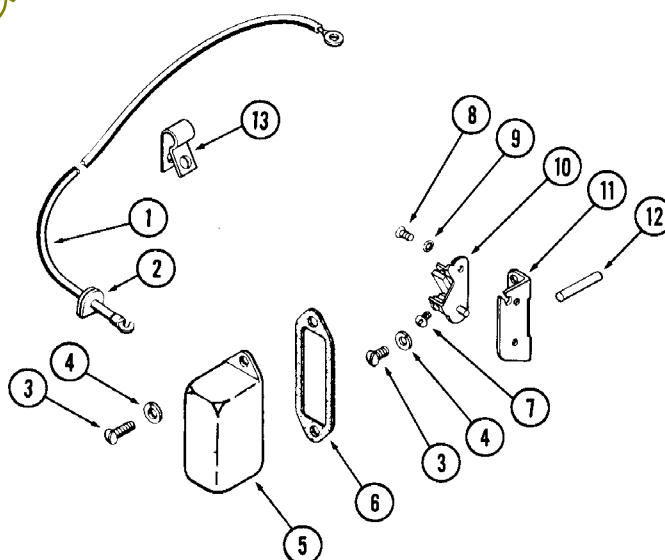
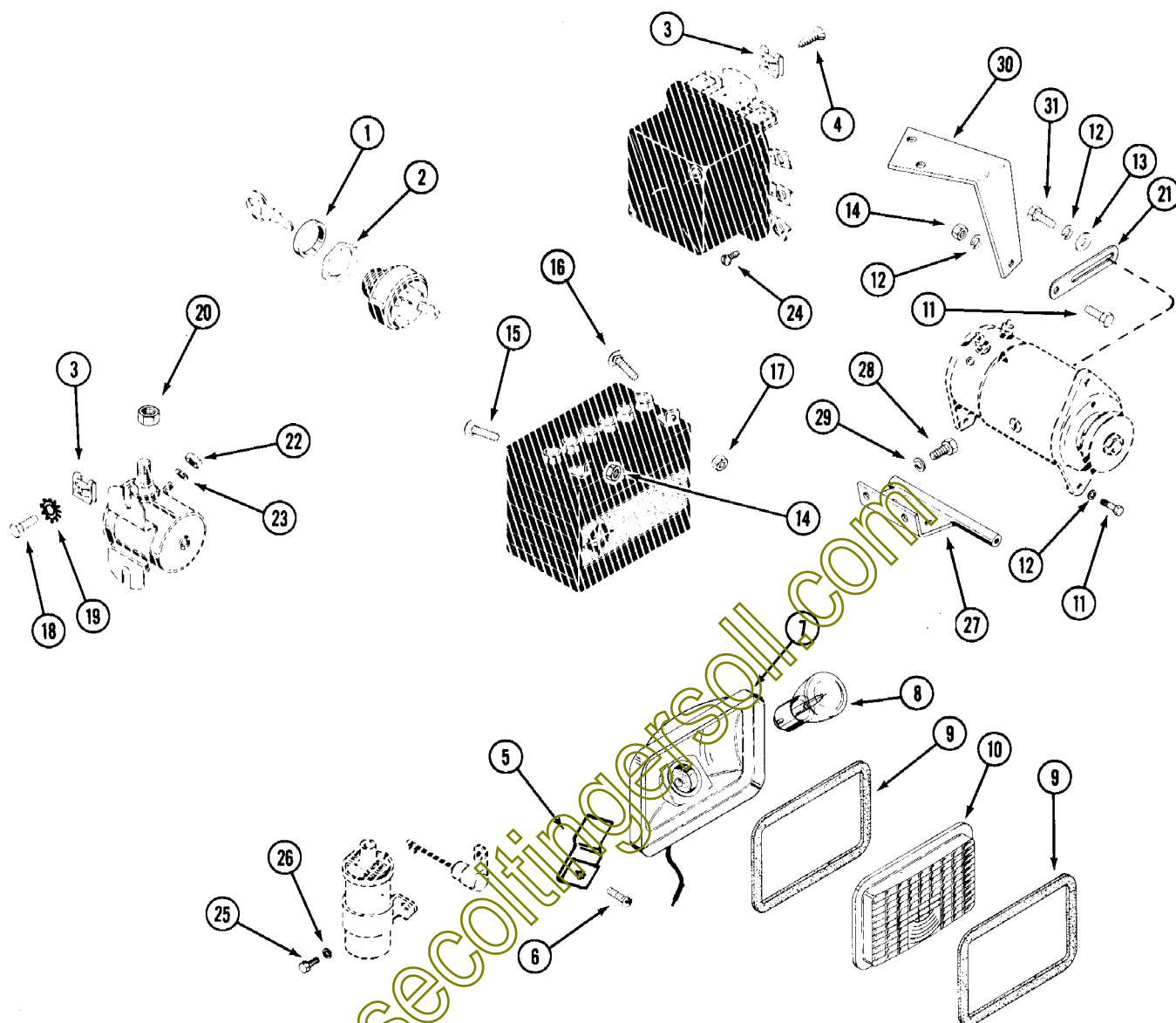
A70202 STARTER-GENERATOR

REF.	PART NO.	DESCRIPTION	REQ'D
1	R 15106	BOLT - through (Includes washer)	2
2	A 72104	FRAME ASSEMBLY - commutator end	1
3	R 15087	RING - bearing retainer	1
4	A 25461	BEARING - commutator end ball	1
5	A 72039	HOLDER KIT - ground brush	1
6	A 72040	HOLDER KIT - insulated brush	1
7	A 72038	BRUSH ASSEMBLY	2
8	R 15090	ARM - brush pressure	2
9	A 25423	SPRING - brush arm	2
10	A 72042	COIL ASSEMBLY - field R.H.	1
11	A 72048	STUD - armature terminal	1
12	R 16147	BUSHING - insulated, armature stud	1
13	R 15079	WASHER - armature stud	2
14	129- 18	NUT - terminal stud 12-24 hex	4
15	192- 17	LOCKWASHER - terminal stud #12	4
16	R 16148	WASHER - insulated, field stud	1
17	A 72043	COIL ASSEMBLY - field L.H.	1
18	NSS	STUD - field terminal (See Ref. 40)	1
19	R 15077	BUSHING - insulated, field stud (Order A40702)	1
20	A 25447	INSULATOR - field coil	2
21	A 72044	SHOE - pole, plain (Order A40702)	1
22	A 40736	SHOE - pole, notched	1
23	A 72041	ARMATURE	1
24	126- 111	KEY - Woodruff, armature	1
25	74- 610	SCREW - pole	2
26	NSS	BODY - starter, generator (Order A70202)	1
27	173- 237	SCREW - 10-32 x 1/2" Rd. Hd.	3
28	192- 18	LOCKWASHER - 3/16" plated	3
29	A 72050	RETAINER ASSEMBLY - bearing (Includes Ref. 37 and 38)	1
30	R 16170	GASKET - bearing retainer	1
31	A 25441	BEARING - ball, drive end	1
32	A 72046	FRAME ASSEMBLY - drive end	1
33	A 72047	SPACER - pulley	1
34	C 14344	PULLEY - starter, generator drive	1
35	192- 26	LOCKWASHER - 11/16" plated	1
36	A 25546	NUT - armature shaft, drive end	1
37	NSS	RETAINER - grease (Order A72050)	1
38	NSS	SEAL - felt (Order A72050)	1
39	NSS	SPACER - armature shaft, inner	1
40	A 40702	KIT - stud (Includes items 16, 18 and 19)	1



ELECTRICAL SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14578	HARNES - wire	1
2	C 14564	WIRE - Switch to Solenoid (Red 8")	1
3	C 14565	WIRE - Battery to Solenoid (Black 10-1/2")	1
4	C 14566	WIRE - Battery to Ground (Black 12")	1
5	C 14515	SWITCH - neutral safety	1
6	C 14553	SOLENOID - start	1
7	A 70221	REGULATOR - voltage 12 volt	1
8	A 70202	STARTER - generator 12 volt	1
9	C 14537	CONNECTOR - headlamp	1
10	C 14575	LAMP ASSEMBLY - generator indicator	1
	B 50213	BULB - warning lamp, generator indicator (white)	1
11	C 14302	HEADLAMP ASSEMBLY - 12 volt	2
12	M 20164	BATTERY - 12 volt	1
13	C 14576	SWITCH - ignition (Includes key)	1
14	C 12684	KEY - ignition	1
15	C 10549	CLAMP - battery hold down	1
16	M 20007	SPARK PLUG - (Includes gasket)	1
17	A 27251	GASKET - spark plug	1
18	KOA235095	CABLE - high tension	1
19	KO 230722	CONDENSER	1
20	KO 231281	COIL - ignition 12 volt	1
21	KO 232535	COVER - breaker contact	1
22	C 12193	WIRE - regulator ground to solenoid (White 12")	1

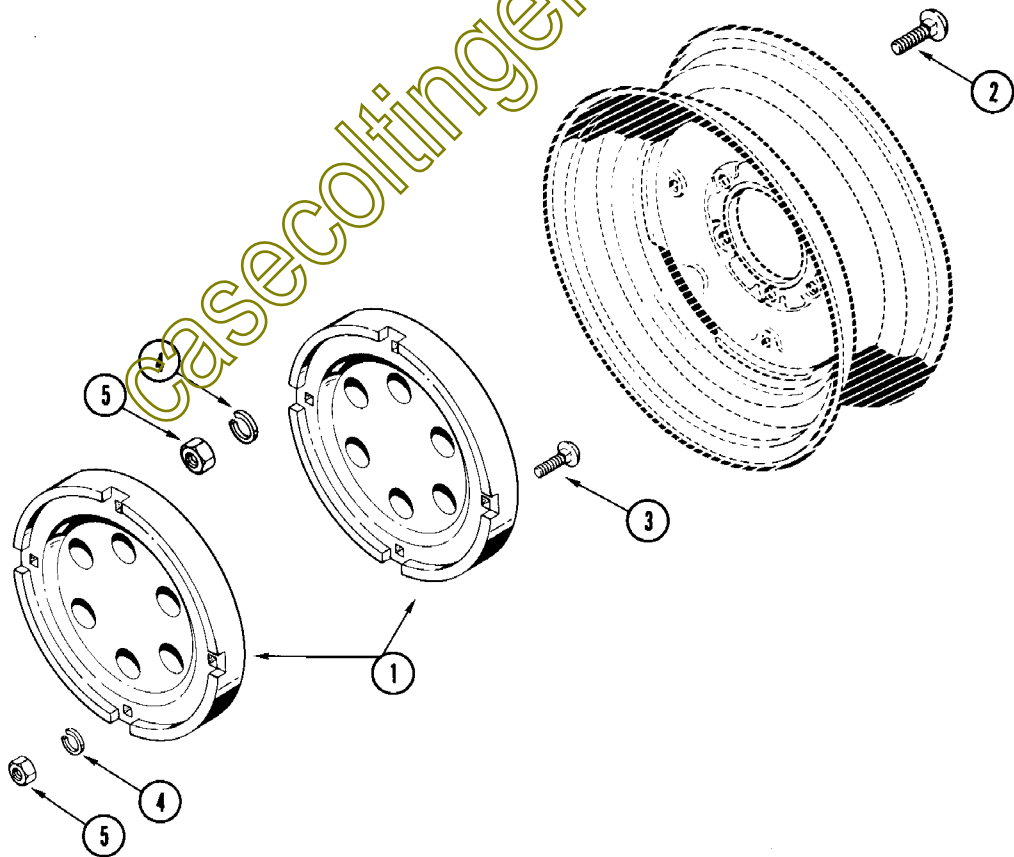
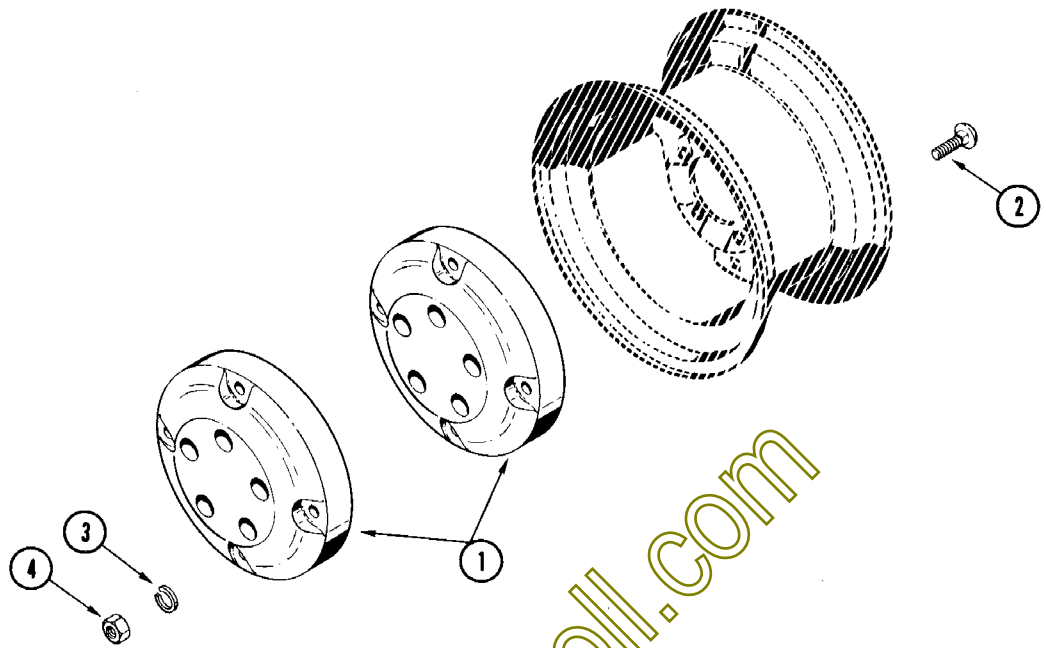


ELECTRICAL SYSTEM HARDWARE

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14060	NUT - back up 3/4"	1
2	C 12683	NUT - escutcheon 3/4"	1
3	C 10836	NUT - speed type "U"	4
4	187- 131	SCREW - #10 x 3/4" Self Tapping Flat Head Z.P.	2
5	131- 615	NUT - speed type "U"	4
6	187- 1047	SCREW - #8 x 1/2" Self Tapping Rd. Hd. Phillips	4
	C 14302	HEADLAMP ASSEMBLY	2
7	NSS	RECEPTACLE - headlamp (Order C14302)	1
8	C 14305	BULB - headlamp	1
9	C 14304	GASKET - headlamp	2
10	C 14303	LENS - headlamp	1
11	113- 103	BOLT - 5/16" x 1" NC hex Z.P.	2
12	192- 20	LOCKWASHER - 5/16" Z.P.	3
13	195- 520	WASHER - 5/16" plain Z.P.	1
14	129- 102	NUT - 5/16" NC hex Z.P.	2
15	111- 102	BOLT - 5/16" x 3/4" NC Rd. Hd. Sq. Neck	1
16	111- 108	BOLT - 1/4" x 3/4" NC Rd. Hd. Sq. Neck	1
17	129- 101	NUT - 1/4" NC hex	1
18	187- 484	SCREW - #10 x 1/2" Self-Tapping hex Z.P.	2
19	193- 70	LOCKWASHER - #10 external tooth	2
20	129- 122	NUT - 5/16" NF hex	2
21	C 14599	BRACKET - starter generator adjust	1
22	129- 27	NUT - #10 NF hex	2
23	192- 18	LOCKWASHER - #10	2
24	169- 131	SCREW - #8 x 5/16" NC fillister head	3
25	113- 1	BOLT - 1/4" x 1/2" NC hex Z.P.	2
26	192- 19	LOCKWASHER - 1/4" Z.P.	2
27	C 14204	SUPPORT - starter generator	1
28	13- 612	BOLT - 3/8" x 3/4" NC hex	2
29	92- 6	LOCKWASHER - 3/8"	2
30	C 14229	SUPPORT - starter generator adjust	1
31	113- 102	BOLT - 5/16" x 3/4" NC hex Z.P.	1

BREAKER CONTACTS

1	KOA231533	LEAD - breaker contact (Includes grommet)	1
2	KO 220297	GROMMET - contact lead	1
3	173- 210	SCREW - #10 x 3/8" Rd. Hd. Z. P.	4
4	192- 18	LOCKWASHER - 3/16" Z.P.	4
5	KO 232535	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" NC Rd. Hd.	1
9	193- 5	LOCKWASHER - #8 internal tooth	1
10	KO 220475	POINT SET - breaker contact	1
11	KO 220476	BRACKET - breaker contact	1
12	KOX 389-1	ROD - breaker contact push	1
13	KO 275182	CLIP - wire	1

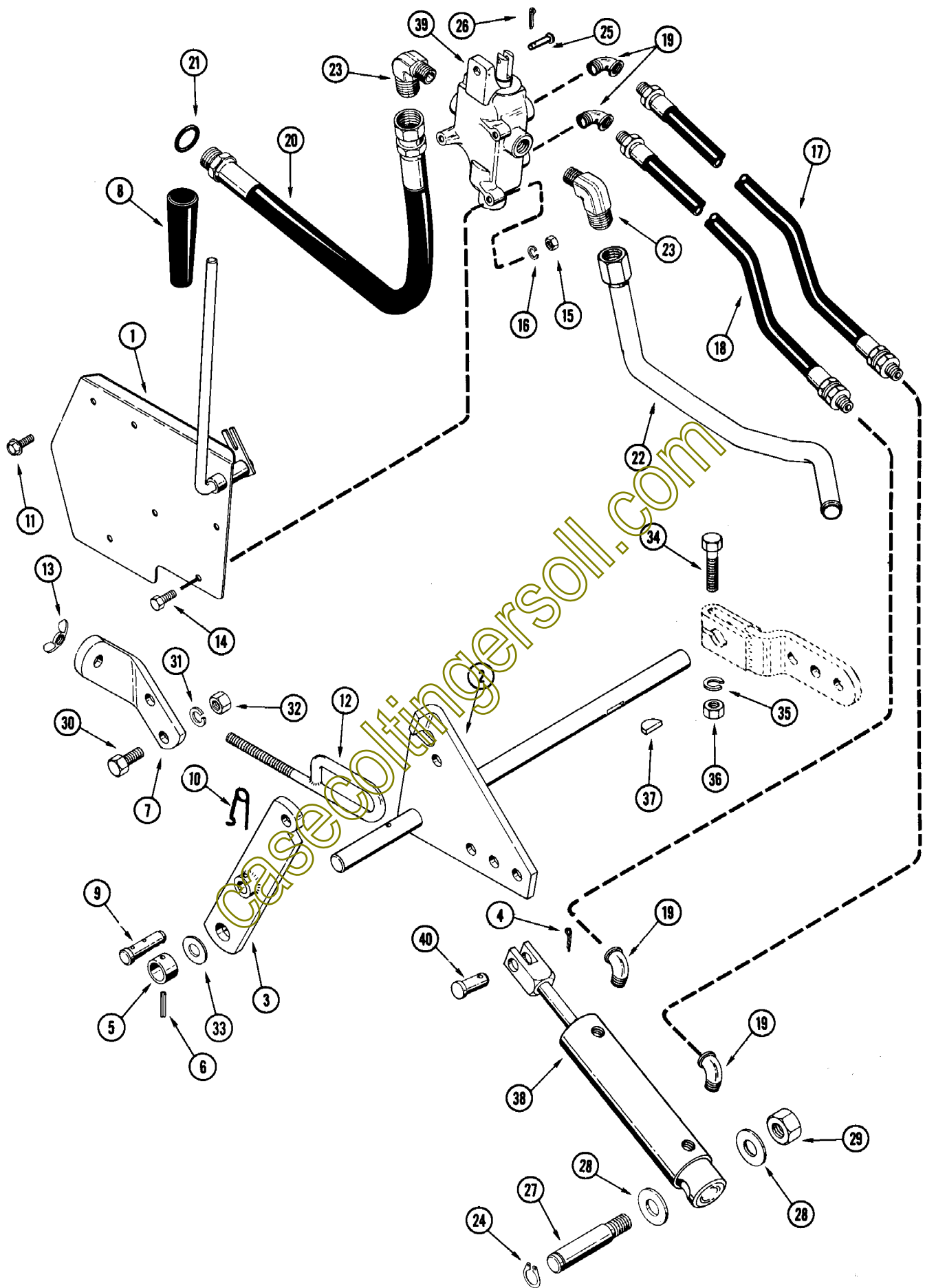


D8 WHEEL WEIGHTS - MODEL 220 AND 222

REF. PART NO.	DESCRIPTION	REQ'D
1 NSS	WEIGHT - wheel 12" (Order as Machinery Item)	4
2 111- 532	BOLT - 1/2" x 3-3/4" Rd. Hd. Sq. Neck NC Z.P.	8
3 192- 23	LOCKWASHER - 1/2" Z.P.	8
4 129- 105	NUT - 1/2" NC hex	8

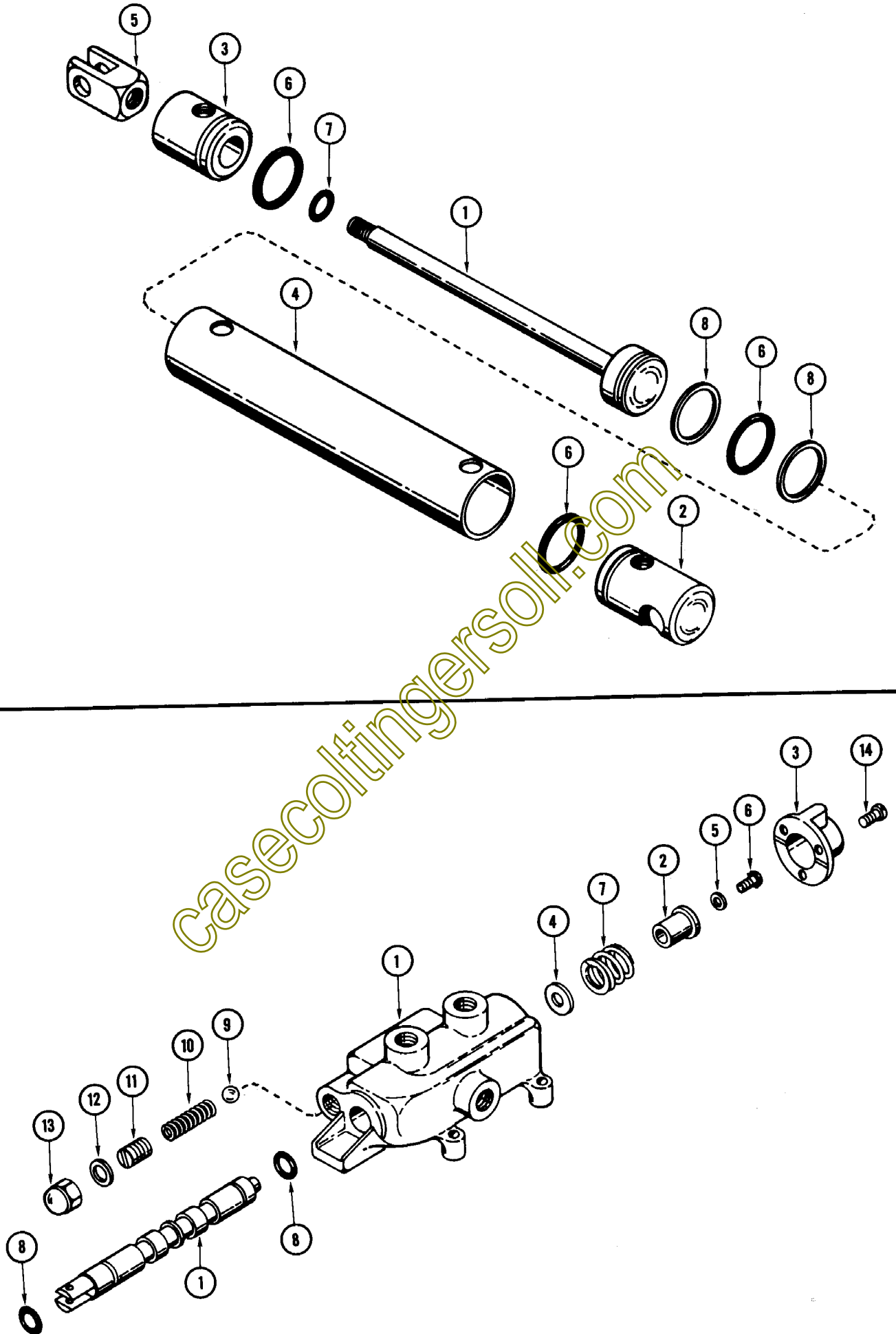
D10 WHEEL WEIGHTS - MODEL 442

1 NSS	WEIGHT - wheel 15" & 16" (Order as Machinery Item)	4
2 111- 530	BOLT - 1/2" x 2-1/2" Rd. Hd. Sq. Neck NC Z.P.	4
3 111- 531	BOLT - 1/2" x 2-3/4" Rd. Hd. Sq. Neck NC Z.P.	4
4 92- 8	LOCKWASHER - 1/2" Z.P.	8
5 129- 105	NUT - 1/2" NC hex	8



MODEL F30 HYDRAULIC LIFT

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14466	PANEL - valve mounting	1
2	C 14477	CROSS SHAFT ASSEMBLY	1
3	C 14489	LEVER - cylinder lift	1
4	132- 310	PIN - cotter 1/8" x 1" Z.P.	1
5	C 14481	COLLAR - cross shaft	1
6	138- 96	PIN - roll 3/16" x 1"	1
7	C 14492	BRACKET - link adjust	1
8	C 12678	GRIP - lever	1
9	C 13744	PIN - clevis 1/2"	1
10	C 10898	PIN - safety	1
11	187- 1036	SCREW - 1/4" x 1/2" NC hex self tapping	3
12	C 14491	LINK - stop	1
13	129- 601	NUT - wing 3/8" NC Nylock	1
14	113- 4	BOLT - 1/4" x 1" NC hex Z.P.	3
15	129- 101	NUT - 1/4" NC hex Z.P.	3
16	192- 19	LOCKWASHER - 1/4" Z.P.	3
17	C 15080	HOSE - 11"	1
18	C 12675	HOSE - 20"	1
19	221- 412	ELBOW - street 1/4" NPTF.	4
20	C 14629	HOSE - pressure	1
21	218- 5007	"O" RING	1
22	C 14533	TUBE - cooler	1
23	218- 1057	FITTING - 90° 5/8" T x 3/8" NPTF.	2
24	T 25683	RING - retaining	1
25	141- 2	PIN - clevis 1/4"	1
26	132- 5	PIN - cotter 1/16" x 1/2"	2
27	C 14470	STUD - cylinder pivot	1
28	195- 541	WASHER - 5/8" plain	2
29	129- 107	NUT - 5/8" NC hex Z.P.	1
30	13- 614	BOLT - 3/8" x 7/8" NC hex	2
31	92- 6	LOCKWASHER - 3/8"	2
32	25- 106	NUT - 3/8" NC Hex	2
33	A 30881	WASHER - spacer	UAR
34	113- 219	BOLT - 3/8" x 2" NC hex Z.P.	1
35	192- 21	LOCKWASHER - 3/8" Z.P.	1
36	129- 103	NUT - 3/8" NC hex Z.P.	1
37	126- 119	KEY - Woodruff #11	1
38	C 12676	CYLINDER - hydraulic (Repairs, See page 59).	1
39	C 14152	VALVE - lift (Repairs, See page 59)	1
40	141- 56	PIN - clevis 1/2"	1



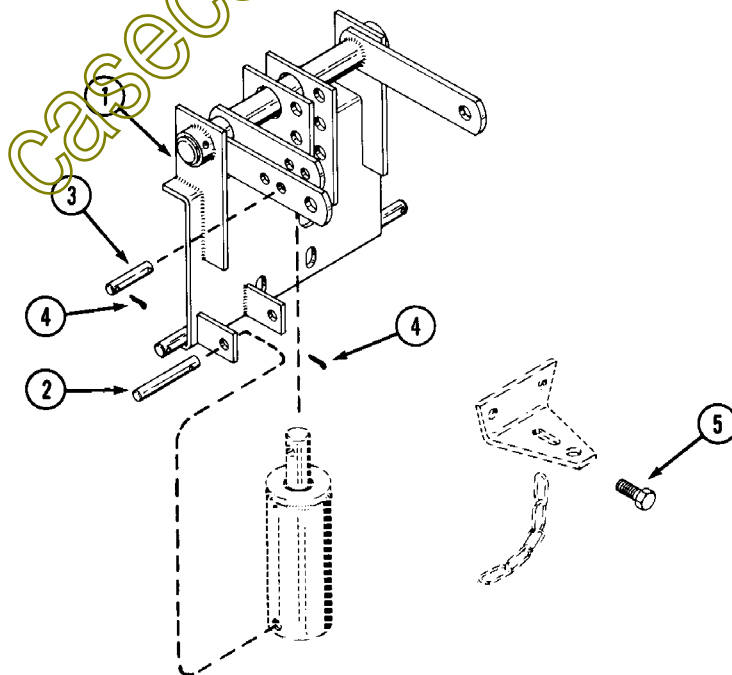
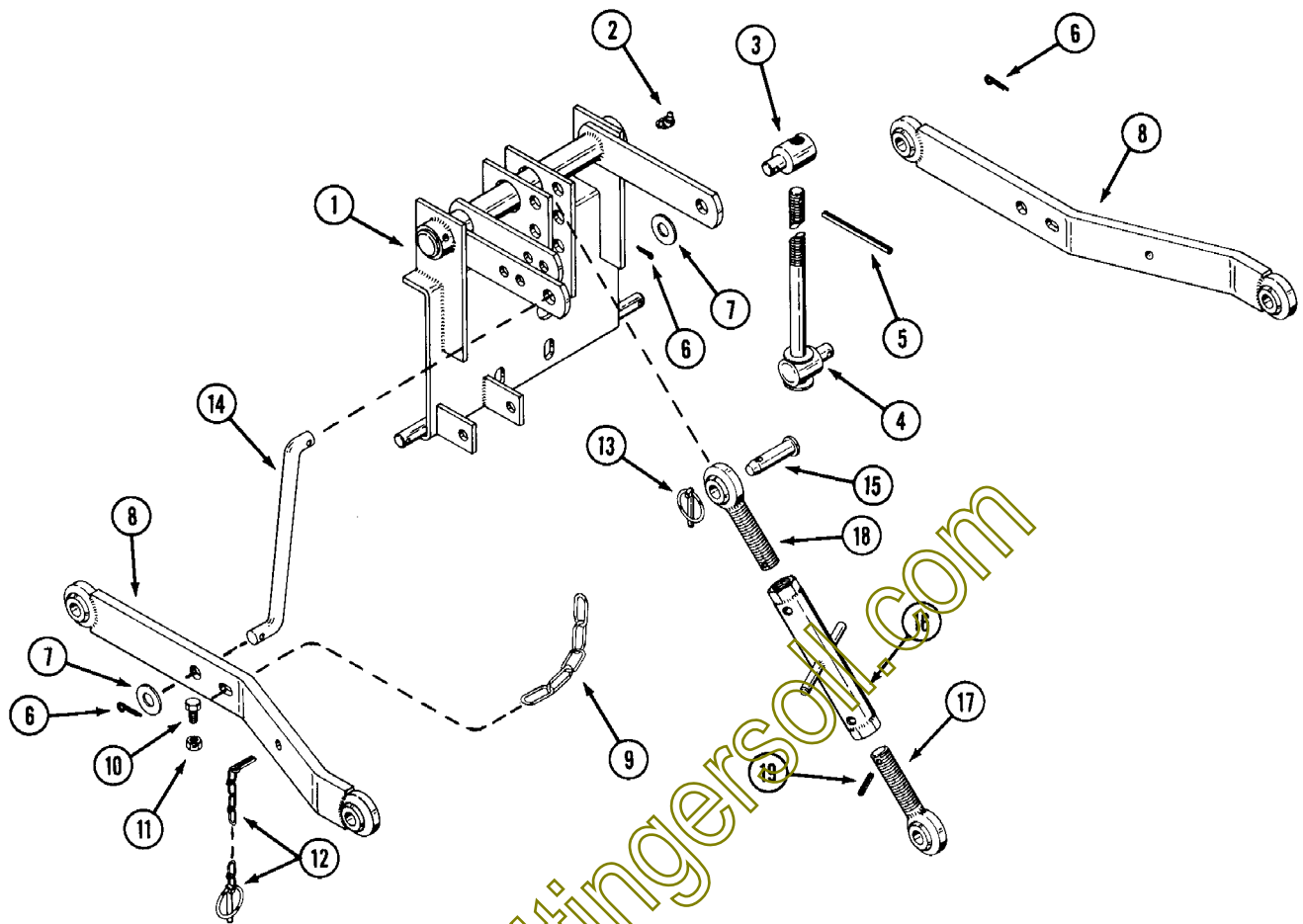
MODEL F30 HYDRAULIC LIFT

(C12676 Lift Cylinder)

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 12880	ROD - cylinder	1
2	C 12883	HEAD - cylinder	1
3	C 12884	HEAD - cylinder rod end	1
4	C 12885	TUBE - cylinder	1
5	C 12886	CLEVIS - rod end	1
6	D 26819	"O" RING - 1-1/2" OD	3
7	A 27410	"O" RING - 3/4" OD	1
8	C 12903	WASHER - back up	2

C-14153 DIRECTIONAL VALVE

1	NSS	BODY AND SPOOL ASSEMBLY	1
2	C 13200	SPACER	1
3	C 13201	CAP - end	1
4	195- 521	WASHER - plain 3/8"	1
5	195- 510	WASHER - plain 3/16"	1
6	193- 524	SCREW - Rd. Hd. slotted w/ext. lockwasher #10-32 x 3/8"	1
7	C 13202	SPRING - return	1
8	D 40816	SEAL - "O" ring	2
9	211- 9	BALL - steel	1
10	C 13203	SPRING - relief	1
11	C 13207	SCREW - relief adj. 7/16-20 x 5/8"	1
12	C 13204	GASKET - relief cap	1
13	129- 531	CAP - acorn 7/16" NF	1
14	169- 146	SCREW - fillister head #8-32 x 3/8" NC Z.P.	3

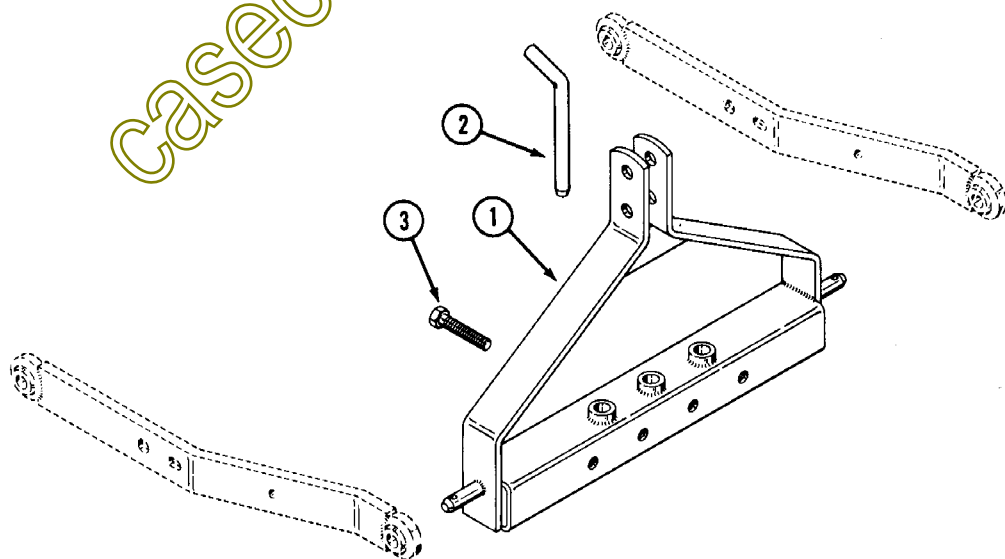
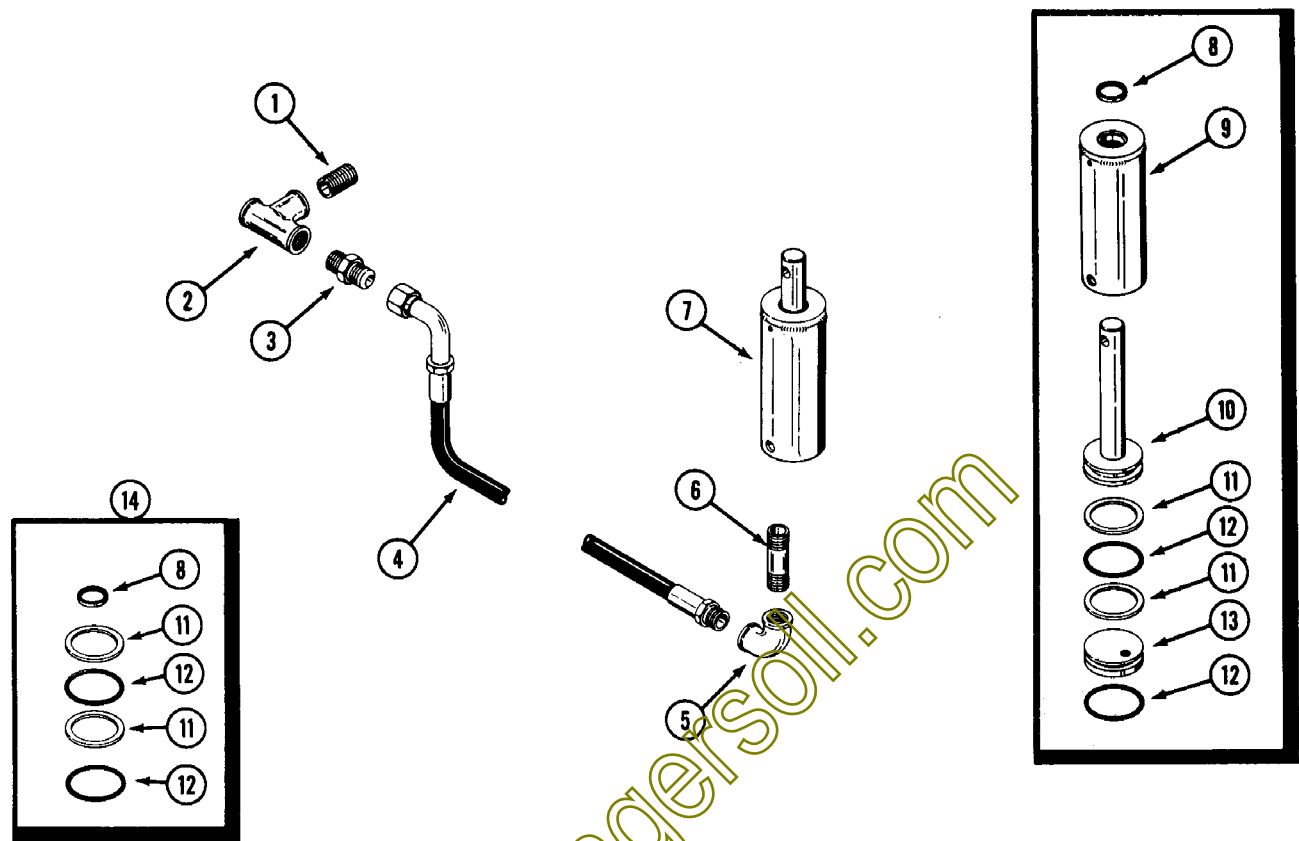


MODEL F26 THREE POINT HITCH-MODEL 442 FRAME, LIFT RODS AND ARMS

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14977	HITCH PLATE ASSEMBLY	1
2	219- 405	FITTING - lube	2
3	C 14722	NUT - lift rod	1
4	C 14724	ROD ASSEMBLY - R.H. lift	1
5	138- 309	PIN - roll 1/4" x 4"	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" NC hex Z.P.	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	2
	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

CYLINDER AND DRAWBAR MOUNTING

1	C 14977	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 Z.P.	2

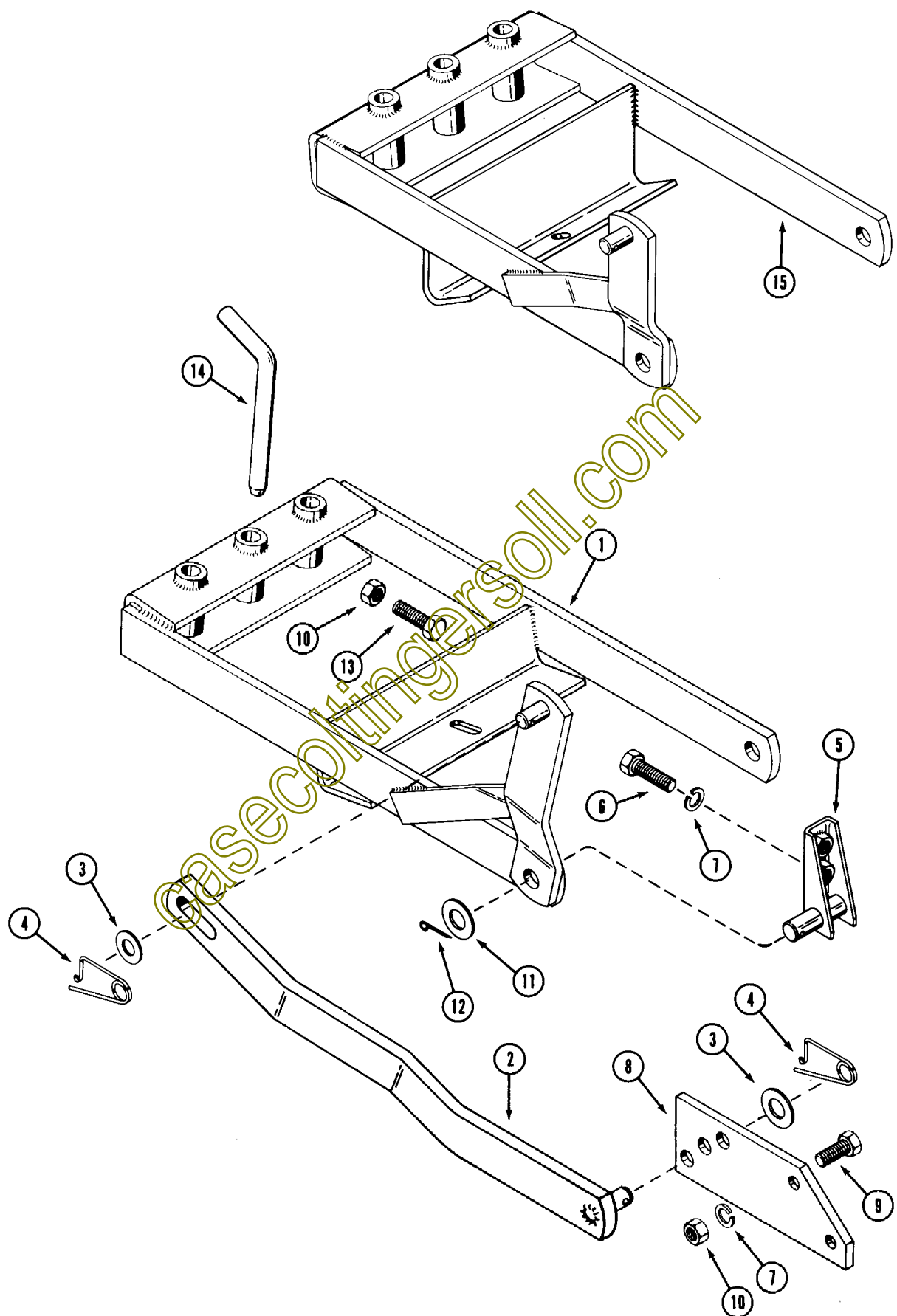


MODEL F26 THREE POINT HITCH AND MODEL F27 HITCH ADAPTER HYDRAULIC CONNECTIONS AND COMPONENTS

REF.	PART NO.	DESCRIPTION	REQ'D
1	221- 1130	NIPPLE - 1/4" x 7/8" NPT	1
2	221- 1422	TEE - 1/4" NPT	1
3	218- 455	FITTING - hydraulic 1/2" T x 1/4" NPT	1
4	C 14979	HOSE - hydraulic	1
5	221- 1375	ELBOW - 90° x 1/4" NPT	1
6	221- 1139	NIPPLE - 1/4" x 3" NPT	1
7	C 14700	CYLINDER ASSEMBLY	1
8	C 14970	SEAL - wiper	1
9	C 14698	BODY - cylinder	1
10	C 14695	ROD AND PISTON ASSEMBLY	1
11	C 14699	RING - back up	2
12	A 30971	"O" RING	2
13	C 14692	END CAP - cylinder	1
14	C 15123	KIT - "O" ring and seal (Consists of items 8, 11 & 12)	1

MODEL F27 HITCH ADAPTER

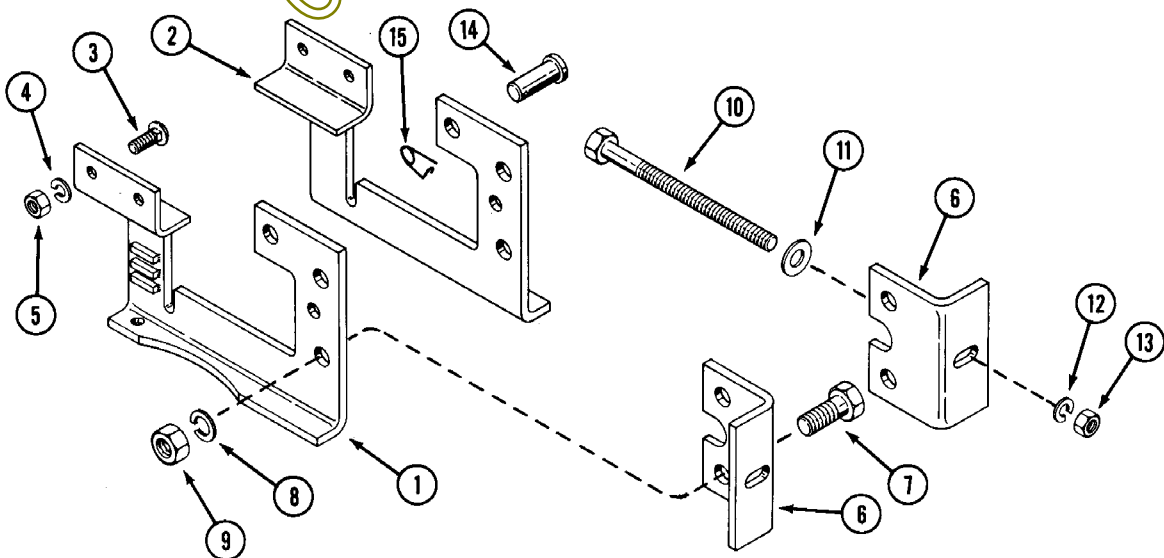
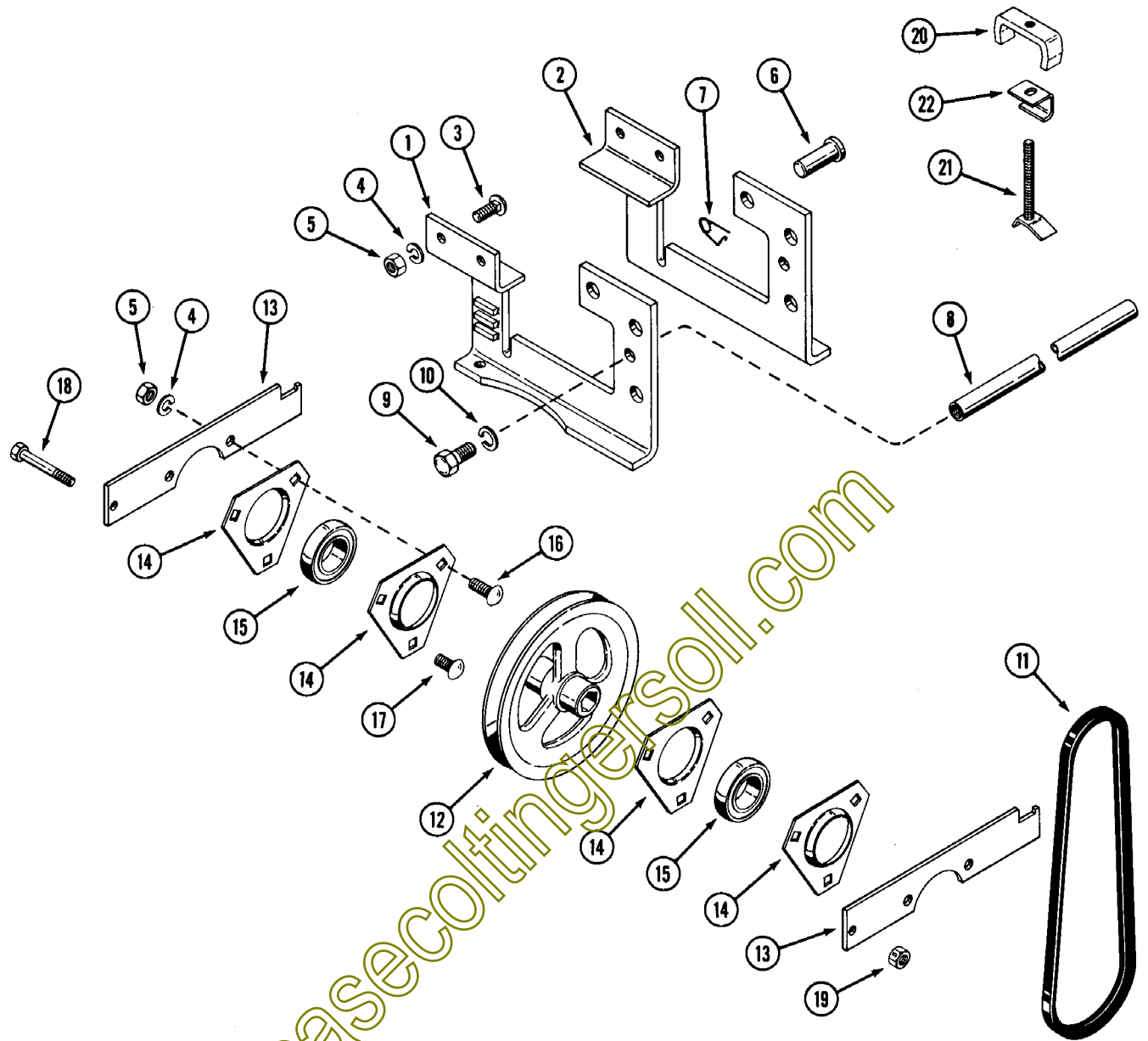
1	C 14872	BRACKET - hitch adapter	1
2	C 14568	PIN - drawbar	1
3	113- 425	BOLT - 1/2" x 3" NC hex Z.P.	4



CASE 220, 222 AND 442 COMPACT TRACTORS 65
MODEL F22 AND F 24 SLEEVE HITCH

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14867	HITCH FRAME ASSEMBLY (442).....	1
2	C 14457	ARM - lift.....	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 14460	BRACKET - hitch mounting L.H.....	1
6	113- 412	BOLT - 1/2" x 1-3/4" NC hex Z.P.....	4
7	192- 23	LOCKWASHER - 1/2" Z. P.....	6
8	C 14462	PLATE - lift lever.....	1
9	113- 417	BOLT - 1/2" x 1-1/4" NC hex Z.P.....	2
10	129- 105	NUT - 1/2" NC hex Z.P.....	4
11	195- 545	WASHER - plain 3/4" Z.P.....	2
12	132- 306	PIN - cotter 3/16" x 1-3/4".....	2
13	113- 421	BOLT - 1/2" x 2" NC hex Z.P.....	2
14	C 14568	PIN - drawbar.....	1
15	C 14866	HITCH FRAME ASSEMBLY (220 and 222).....	1

casecoltingersoll.com



MODEL F11 SHAFT DRIVE PTO AND MODEL F18 FRONT COUNTERWEIGHT BRACKET KITS

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14646	BRACKET - mounting R.H.	1
2	C 14647	BRACKET - mounting L.H.	1
3	111- 362	BOLT - 3/8" x 1" NC Rd. Hd. Square Neck	4
4	192- 21	LOCKWASHER - 3/8"	10
5	129- 103	NUT - 3/8" NC hex Z.P.	10
6	C 12692	PIN - clevis 5/8"	2
7	C 10898	PIN - safety	2
8	C 14363	SPACER - mounting bracket	1
9	113- 424	BOLT - 1/2" x 2" NC hex Z.P.	2
10	192- 23	LOCKWASHER - 1/2" Z.P.	2
11	C 14116	BELT - PTO drive.	1
12	C 14113	PULLEY - PTO.	1
13	C 14348	PLATE - bearing mounting	2
14	C 14504	FLANGETTE	4
15	C 14505	BEARING - pulley	2
16	111- 362	BOLT - 3/8" x 1" NC Rd. Hd. Square Neck Z.P.	4
17	111- 340	BOLT - 3/8" x 3/4" NC Rd. Hd. Square Neck Z.P.	2
18	113- 111	BOLT - 5/16" x 2-1/2" NC hex Z.P.	1
19	131- 176	NUT - lock 5/16" NC hex Z.P.	1
20	C 14351	NUT - belt tension	1
21	C 14596	SCREW - belt tension adj.	1
22	C 14353	LOCK - belt tension	1

F18 FRONT COUNTERWEIGHT BRACKET KITS

1	C 14646	BRACKET - mounting R.H.	1
2	C 14647	BRACKET - mounting L.H.	1
3	111- 362	BOLT - 3/8" x 1" NC Rd. Hd. Square Neck	4
4	192- 21	LOCKWASHER - 3/8" Z.P.	4
5	129- 103	NUT - 3/8" NC hex Z.P.	4
6	C 14687	BRACKET - weight support	2
7	113- 607	BOLT - 5/8" x 1-1/2" NC hex Z.P.	4
8	192- 25	LOCKWASHER - 5/8" Z.P.	4
9	129- 107	NUT - 5/8" NC hex Z.P.	4
10	113- 423	BOLT - 1/2" x 7" NC hex Z.P.	2
11	195- 533	WASHER - plain 17/32" Z.P.	2
12	192- 23	LOCKWASHER - 1/2" Z.P.	2
13	129- 105	NUT - 1/2" NC hex Z.P.	2
14	C 12692	PIN - clevis 5/8" Z.P.	2
15	C 10898	PIN - safety	2

NUMERICAL INDEX

PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.
A 10326	17	55	A 72083	19	9A	C 12168	37	6
A 11538	31	5	A 72083	19	15	C 12187	17	36
A 25423	49	9	A 72084	19	10	C 12193	51	22
A 25441	49	31	A 72092	19	2	C 12224	17	35
A 25447	49	20	A 72093	19	1	C 12280	47	4
A 25461	49	4	A 72098	19	6	C 12370	31	7
A 25546	49	36	A 72099	19	5	C 12506	43	10
A 27251	51	17	A 72100	13	57	C 12540	33	3
A 27410	35	40	A 72100	15	57	C 12548	33	28
A 27410	41	16	A 72100	21	2	C 12549	33	27
A 27410	59	7	A 72103	19	11	C 12551	33	25
A 27891	37	6	A 72104	49	2	C 12552	33	26
A 30064	31	10	A 72108	13	56	C 12553	33	24
A 30095	35	46	A 72108	15	56	C 12554	33	16
A 30338	61	13	A 72108	19	2	C 12557	33	30
A 30881	27	14	A 72108	19	2	C 12558	33	29
A 30881	29	10	A 72108	21	13	C 12559	33	31
A 30881	29	11	B 50213	51		C 12560	33	32
A 30881	57	33	B 52118	61	12	C 12561	33	34
A 30971	63	12	B 59393	13	48	C 12562	33	33
A 32190	35	39	B 59393	15	48	C 12603	17	22
A 35956	39	6	C 10263	31	1	C 12604	31	2
A 37247	37	4	C 10312	17	16	C 12612	31	8
A 40702	49	40	C 10312	23	6	C 12675	57	18
A 40736	49	22	C 10314	31	2	C 12676	57	38
A 50096	33	44	C 10317	31	9	C 12678	57	8
A 70058	27	2	C 10372	5	2	C 12683	53	2
A 70062	31	11	C 10482	47	7	C 12684	51	14
A 70090	5	5	C 10487	23	1	C 12692	67	6
A 70100	35	18	C 10492	17	1	C 12692	67	14
A 70109	35	1	C 10549	51	15	C 12713	33	2
A 70111	35	7	C 10657	21	14	C 12718	33	36
A 70111	39	18	C 10678	21	3	C 12719	33	13
A 70112	39	21	C 10836	53	3	C 12720	33	11
A 70185	31	8	C 10898	57	10	C 12721	33	14
A 70202	51	8	C 10898	65	4	C 12722	33	12
A 70221	51	7	C 10898	67	7	C 12723	33	10
A 72001	39	11	C 10898	67	15	C 12725	33	21
A 72002	39	12	C 11529	21	18	C 12880	59	1
A 72004	39	8	C 11529	35	16	C 12883	59	2
A 72005	39	7	C 11545	21	19	C 12884	59	3
A 72007	39	13	C 11545	35	17	C 12885	59	4
A 72034	41	9	C 11635	21	8	C 12886	59	5
A 72038	49	7	C 11642	39	7	C 12903	59	8
A 72039	49	5	C 11643	39	8	C 12965	33	38
A 72040	49	6	C 11644	39	4	C 12975	29	9
A 72041	49	23	C 11906	29	5	C 12975	29	10
A 72042	49	10	C 11942	21	26	C 13047	35	27
A 72043	49	17	C 11942	37	9	C 13047	41	1
A 72044	49	21	C 12003	29	19	C 13106	29	7
A 72046	49	32	C 12003	29	19	C 13106	29	8
A 72047	49	33	C 12071	5	1	C 13196	33	42
A 72048	49	11	C 12081	31	3	C 13197	33	43
A 72050	49	29	C 12093	37	3	C 13200	59	2
A 72073	19		C 12102	29	13	C 13201	59	3
A 72073	21	1	C 12102	29	13	C 13202	59	7
A 72076	19	4	C 12110	31	5	C 13203	59	10
A 72077	19	3	C 12111	31	6	C 13204	59	12
A 72078	19	8	C 12115	31	7	C 13207	59	11
A 72079	19	7	C 12126	27	19	C 13211	33	9
A 72080	19	9	C 12127	37	5	C 13212	33	20

NUMERICAL INDEX

PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.
C 13241	33	5	C 14225	23	4	C 14477	57	2
C 13261	33	40	C 14228	43	12	C 14481	57	5
C 13266	33	8	C 14229	53	30	C 14489	57	3
C 13289	47	2	C 14240	23	1	C 14491	57	12
C 13297	21	12	C 14241	23	1	C 14492	57	7
C 13345	21		C 14243	35	28	C 14494	17	17
C 13357	31	3	C 14243	39	1	C 14500	45	10
C 13360	47	1	C 14244	35	28	C 14504	67	14
C 13373	21	9	C 14244	39	1	C 14505	67	15
C 13385	33	6	C 14245	35	30	C 14506	17	37
C 13411	21	17	C 14246	23	6	C 14512	35	15
C 13415	21	16	C 14247	35	23	C 14513	21	2
C 13498	35	27	C 14248	35	24	C 14515	27	24
C 13498	41	1	C 14249	35	25	C 14515	51	5
C 13510	37	5	C 14250	21	1	C 14517	21	21
C 13512	37	1	C 14255	37	2	C 14519	33	22
C 13513	37	9	C 14258	21	19	C 14524	47	1
C 13514	37	8	C 14268	31	1	C 14525	47	5
C 13515	37	3	C 14278	37	1	C 14526	47	3
C 13526	31	16	C 14283	25	10	C 14528	47	8
C 13605	29	5	C 14287	25	12	C 14530	47	6
C 13605	29	16	C 14288	25	9	C 14531	33	4
C 13716	29	6	C 14290	25	11	C 14533	57	22
C 13744	57	9	C 14291	25	6	C 14534	21	15
C 13770	33	1	C 14292	25	7	C 14536	21	7
C 13848	17	34	C 14293	25	2	C 14537	51	9
C 13863	31	12	C 14294	25	8	C 14539	43	7
C 13866	31	13	C 14295	25	3	C 14540	43	4
C 14060	53	1	C 14296	25	4	C 14542	43	1
C 14066	43	6	C 14297	25	5	C 14543	43	2
C 14067	43	5	C 14301	41	20	C 14544	43	3
C 14113	67	12	C 14302	51	11	C 14546	43	19
C 14116	67	11	C 14302	53		C 14548	43	13
C 14126	21	3	C 14303	53	10	C 14549	43	14
C 14127	21	3	C 14304	53	9	C 14550	43	15
C 14128	29	2	C 14305	53	8	C 14551	43	16
C 14129	29	1	C 14317	29	2	C 14553	51	6
C 14131	29	3	C 14318	29	3	C 14557	43	17
C 14151	29	1	C 14326	45	3	C 14558	43	18
C 14152	17	15	C 14332	29	18	C 14561	43	9
C 14152	23	2	C 14332	29	18	C 14562	43	11
C 14153	57	39	C 14333	29	17	C 14564	51	2
C 14157	21	15	C 14334	29	12	C 14565	51	3
C 14168	33	23	C 14341	45	2	C 14566	51	4
C 14172	37		C 14343	27	18	C 14568	63	2
C 14180	35	26	C 14344	49	34	C 14568	65	14
C 14186	31	4	C 14345	17	21	C 14575	51	10
C 14187	31	15	C 14348	67	13	C 14576	51	13
C 14194	27	4	C 14351	67	20	C 14578	51	1
C 14195	35	14	C 14353	67	22	C 14589	45	13
C 14197	27	5	C 14363	67	8	C 14590	45	13
C 14199	33	17	C 14398	13	43	C 14596	67	21
C 14200	27	6	C 14398	15	43	C 14598	45	21
C 14201	27	7	C 14399	13	26	C 14599	53	21
C 14204	53	27	C 14399	15	26	C 14613	37	
C 14209	45	5	C 14457	65	2	C 14615	35	26
C 14210	45	5	C 14459	65	5	C 14619	35	31
C 14213	45	4	C 14460	65	5	C 14627	43	8
C 14222	33	39	C 14462	65	8	C 14629	57	20
C 14223	33	37	C 14466	57	1	C 14644	33	24
C 14224	23	3	C 14470	57	27	C 14645	21	24

NUMERICAL INDEX

PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.
C 14646	67	1	C 14977	61	1	KO 235048	15	50
C 14646	67	1	C 14977	61	1	KO 235052	17	7
C 14647	67	2	C 14979	63	4	KO 235053	7	27
C 14647	67	2	C 14990	27	12	KO 235053	7	50
C 14653	35	42	C 14991	61	9	KO 235054	17	14
C 14654	35	43	C 14994	25	1	KO 235057	13	59
C 14655	35	41	C 15007	21	5	KO 235057	15	59
C 14656	33	19	C 15080	57	17	KO 235070	13	29
C 14687	67	6	C 15123	63	14	KO 235070	13	54
C 14690	23	5	D 26819	59	6	KO 235070	15	29
C 14692	63	13	D 40816	59	8	KO 235070	15	54
C 14695	63	10	G 13827	39	14	KO 235084	17	52
C 14698	63	9	G 49048	27	9	KO 235085	17	51
C 14699	63	11	KO 220174	13	49	KO 235086	17	50
C 14700	63	7	KO 220174	15	49	KO 235117	7	8
C 14703	61	16	KO 220174	53	6	KO 235118	7	7
C 14709	61	17	KO 220297	53	2	KO 235125-S	13	11
C 14710	61	18	KO 220475	53	10	KO 235125-S	15	11
C 14712	61		KO 220476	53	11	KO 235125-S	17	62
C 14715	61	8	KO 230011	7	20	KO 235165	13	45
C 14717	61	15	KO 230011	7	43	KO 235165	15	45
C 14722	61	3	KO 230170-S	7	16	KO 235175	13	2
C 14724	61	4	KO 230170-S	7	39	KO 235175	15	2
C 14725	61	14	KO 230170-S	13	9	KO 235207	17	6
C 14728	21	22	KO 230170-S	15	9	KO 235277	17	56
C 14729	45	17	KO 230265-S	7	29	KO 235278	17	57
C 14730	45	17	KO 230265-S	7	52	KO 235287	9	2
C 14805	45	18	KO 230265-S	13	9A	KO 235288	9	16
C 14816	41	2	KO 230265-S	15	9A	KO 235289	9	16
C 14817	41	7	KO 230675	19	1	KO 235290	9	16
C 14818	41	8	KO 230722	51	19	KO 235353	13	20
C 14819	41	11	KO 231032	7	5	KO 235353	13	53
C 14820	41	11	KO 231052	17	49	KO 235353	15	20
C 14821	41	14	KO 231281	51	20	KO 235353	15	53
C 14822	41		KO 231355	17	64	KO 235368	17	5
C 14823	41		KO 232535	51	21	KO 235476	17	58
C 14824	41	12	KO 232535	53	5	KO 235494	17	41
C 14825	41	19	KO 232770	7	28	KO 235496	17	45
C 14826	41	24	KO 232770	7	51	KO 235572	9	8
C 14844	33	48	KO 235003	9	11	KO 235573	9	17
C 14866	65	15	KO 235003	11	11	KO 235603	17	66
C 14867	65	1	KO 235004	9	7	KO 235631	7	10
C 14872	63	1	KO 235007-S	7	17	KO 235656	13	4
C 14900	21	10	KO 235007-S	7	40	KO 235680	17	67
C 14906	13	44	KO 235007-S	13	10	KO 235748	13	42
C 14906	15	44	KO 235007-S	15	10	KO 235748	15	42
C 14916	31	4	KO 235008	7	15	KO 235757	13	29
C 14919	33	49	KO 235008	7	38	KO 235757	13	54
C 14923	39	5	KO 235010	7	19	KO 235757	15	29
C 14942	31	18	KO 235010	7	42	KO 235757	15	54
C 14942	45	23	KO 235011	7	18	KO 235803	11	8
C 14944	31	10	KO 235011	7	41	KO 235810	13	5
C 14944	45	22	KO 235025	13	16	KO 235810	13	55
C 14945	31	9	KO 235025	13	52	KO 235810	15	5
C 14946	31	9	KO 235025	15	16	KO 235810	15	55
C 14947	45	1	KO 235025	15	52	KO 235811	11	7
C 14948	45	1	KO 235026	13	17	KO 235815	13	31
C 14950	31	19	KO 235026	15	17	KO 235815	15	31
C 14970	63	8	KO 235047	7	9	KO 235818	13	35
C 14975	61	2	KO 235048	7	6	KO 235818	15	35
C 14976	61	3	KO 235048	13	50	KO 235820	15	4

NUMERICAL INDEX

PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.
KO 235826	7	14	KOA 235828-10	11	18	HARDWARE CODE NUMBERS		
KO 235826	7	37	KOA 235845	21	8	11-	412	53 16
KO 235868	11	17	KOA 235865	11	15	11-	512	53 15
KO 235889	11	2	KOA 235866	11	15	13-	514	45 14
KO 235890	11	16	KOA 235867	11	15	13-	612	53 28
KO 235891	11	16	KOA 235952	15	8	13-	614	57 30
KO 235892	11	16	KOA 236205	21	12	13-	650	39 2
KO 235900	17	65	KOA 236293	15	7	13-	652	39 2
KO 235950	13	23	KOA 236303	13	7	15-	48	33 46
KO 235950	15	23	KOB 235949	11	22	15-	420	17 42
KO 235951	17	11	KOX 25-55	17	63	15-	816	21 17
KO 235954	13	38	KOX 25-67	17	47	15-	816	45 20
KO 235954	15	38	KOX 25-88	9	25	15-	836	21 16
KO 235955	17	4	KOX 25-88	11	25	15-	852	21 16
KO 236387	19	3	KOX 119-14	9	26	25-	104	7 1
KO 236611	9	13	KOX 119-14	11	26	25-	104	17 44
KO 236611	11	13	KOX 119-14	13	37	25-	105	27 17
KO 240013	7	21	KOX 119-14	15	37	25-	105	35 35
KO 240013	7	44	KOX 271-30	9	24	25-	105	45 16
KO 270889	13	3	KOX 271-30	11	24	25-	106	57 32
KO 270889	15	3	KOX 271-30	13	34	25-	118	29 15
KO 271077	13	1	KOX 271-30	13	46	25-	118	29 15
KO 271077	15	1	KOX 271-30	15	34	25-	1510	27 3
KO 275066	7	26	KOX 271-30	15	46	41-	18	13 13
KO 275066	7	49	KOX 286-15	9	23	41-	18	15 13
KO 275067	7	26	KOX 286-15	11	23	61-	510	5 3
KO 275067	7	49	KOX 293-4	13	12	71-	410	21 9
KO 275143	7	4	KOX 293-4	15	12	73-	528	35 33
KO 275144	7	11	KOX 293-4	17	60	74-	610	49 25
KO 275144	13	51	KOX 379-6	9	19	83-	55	39 19
KO 275144	15	51	KOX 379-6	11	19	92-	4	7 2
KO 275182	53	13	KOX 379-6	13	27	92-	4	33 45
KO 275220	7	3	KOX 379-6	13	47	92-	5	27 16
KO 275341	5	3	KOX 379-6	15	27	92-	5	35 34
KO 275341	13	58	KOX 379-6	15	47	92-	5	45 15
KO 275341	15	58	KOX 389-1	53	12	92-	6	9 12
KO 275341	21	11	L 15282	27	1	92-	6	11 12
KO 275690	17	48	M 20007	51	16	92-	6	39 3
KOA 536	5	9	M 20164	51	12	92-	6	53 29
KOA 231533	53	1	O 4466-AB	33	15	92-	6	57 31
KOA 235095	51	18	O 5904-AB	27	13	92-	8	21 18
KOA 235100	5	1	R 15077	49	19	92-	8	45 19
KOA 235139	9	10	R 15079	49	13	92-	8	55 4
KOA 235139-10	9	18	R 15087	49	3	111-	1	17 38
KOA 235256	17	59	R 15090	49	8	111-	101	21 13
KOA 235327	7	22	R 15106	49	1	111-	102	53 15
KOA 235327	7	45	R 16147	49	12	111-	108	53 16
KOA 235569	9	15	R 16148	49	16	111-	109	45 11
KOA 235571	9	15	R 16170	49	30	111-	131	27 21
KOA 235611	9	6	T 25683	57	24	111-	340	67 17
KOA 235616	9	15	T 36441	33	18	111-	349	21 23
KOA 235646	7	25	W 5063-S	9	21	111-	362	67 3
KOA 235646	7	48	W 5063-S	11	21	111-	362	67 3
KOA 235711	9	22	W 5063-S	13	41	111-	362	67 16
KOA 235737	13	8	W 5063-S	15	41	111-	530	55 2
KOA 235743	17	61	W 5063-S	35	6	111-	531	55 3
KOA 235747	13	6				111-	532	55 2
KOA 235747	15	6				113-	1	53 25
KOA 235827	11	6				113-	2	17 12
KOA 235828	11	10						

NUMERICAL INDEX

PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.
113- 4	57	14	129- 107	67	9	187- 1251	23	2
113- 6	13	19	129- 122	53	20	192- 17	49	15
113- 6	15	19	129- 148	27	8	192- 18	17	39
113- 6	17	3	129- 325	29	16	192- 18	17	54
113- 102	53	31	129- 325	29	17	192- 18	49	28
113- 103	21	7	129- 409	5	2	192- 18	53	4
113- 103	53	11	129- 504	35	20	192- 18	53	23
113- 111	67	18	129- 531	59	13	192- 19	13	18
113- 118	23	7	129- 601	47	14	192- 19	15	18
113- 118	61	10	129- 601	57	13	192- 19	17	2
113- 206	13	14	131- 71	45	12	192- 19	17	9
113- 206	15	14	131- 176	61	11	192- 19	17	13
113- 207	13	33	131- 176	67	19	192- 19	17	46
113- 207	15	33	131- 350	21	14	192- 19	21	5
113- 207	35	2	131- 366	33	35	192- 19	53	26
113- 208	13	40	131- 615	53	5	192- 19	57	16
113- 208	15	40	132- 5	57	26	192- 20	21	6
113- 219	47	12	132- 48	23	5	192- 20	23	3
113- 219	57	34	132- 91	61	6	192- 20	27	10
113- 412	65	6	132- 306	65	12	192- 20	37	7
113- 417	61	5	132- 310	31	17	192- 20	53	12
113- 417	65	9	132- 310	57	4	192- 21	13	15
113- 421	65	13	132- 310	61	4	192- 21	13	24
113- 423	67	10	132- 311	29	8	192- 21	13	32
113- 424	47	3	132- 311	29	9	192- 21	13	39
113- 424	67	9	132- 321	31	11	192- 21	15	15
113- 425	63	3	138- 59	61	19	192- 21	15	24
113- 607	67	7	138- 96	31	14	192- 21	15	32
115- 103	27	11	138- 96	57	6	192- 21	15	39
115- 106	27	15	138- 99	29	4	192- 21	17	19
115- 203	47	9	138- 99	29	4	192- 21	35	3
115- 204	13	25	138- 134	41	17	192- 21	47	10
115- 204	15	25	138- 309	61	5	192- 21	57	35
115- 208	17	20	138- 2043	33	47	192- 21	67	4
126- 12	39	9	141- 2	57	25	192- 21	67	4
126- 111	49	24	141- 4	31	22	192- 23	29	14
126- 119	47	11	141- 56	57	40	192- 23	29	14
126- 119	57	37	166- 24	35	21	192- 23	47	2
126- 128	33	41	166- 524	41	3	192- 23	55	3
129- 17	17	40	166- 535	41	18	192- 23	65	7
129- 18	49	14	166- 536	41	18	192- 23	67	10
129- 27	53	22	166- 561	35	4	192- 23	67	12
129- 37	17	53	166- 1002	35	38	192- 25	67	8
129- 101	21	6	169- 131	53	24	192- 26	49	35
129- 101	27	23	169- 146	59	14	193- 5	53	9
129- 101	45	8	173- 210	53	3	193- 29	35	22
129- 101	53	17	173- 215	35	19	193- 31	35	5
129- 101	57	15	173- 224	53	8	193- 57	27	22
129- 102	23	4	173- 237	49	27	193- 60	21	10
129- 102	37	8	175- 400	21	4	193- 70	53	19
129- 102	53	14	175- 430	17	68	193- 524	59	6
129- 103	21	25	175- 436	17	10	195- 19	45	7
129- 103	47	13	177- 94	5	7	195- 104	17	18
129- 103	57	36	187- 131	53	4	195- 104	31	20
129- 103	67	5	187- 408	53	7	195- 510	59	5
129- 103	67	5	187- 484	53	18	195- 512	5	8
129- 105	55	4	187- 1036	45	9	195- 515	17	8
129- 105	55	5	187- 1036	57	11	195- 515	17	43
129- 105	65	10	187- 1046	29	11	195- 515	21	11
129- 105	67	13	187- 1046	29	12	195- 520	45	6
129- 107	57	29	187- 1047	53	6	195- 520	53	13

NUMERICAL INDEX

PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.
195-	521	59	4					
195-	533	31	6					
195-	533	67	11					
195-	541	57	28					
195-	541	61	7					
195-	541	65	3					
195-	545	13	36					
195-	545	15	36					
195-	545	65	11					
205-	27	13	30					
205-	27	15	30					
211-	9	59	9					
211-	10	37	4					
213-	4	31	21					
214-	9	35	32					
214-	251	21	4					
218-	455	63	3					
218-	1057	57	23					
218-	2007	35	45					
218-	5006	35	11					
218-	5007	35	9					
218-	5007	35	11					
218-	5007	35	37					
218-	5007	57	21					
218-	5008	35	13					
218-	5062	35	10					
218-	5062	35	36					
218-	5064	35	12					
218-	5065	35	8					
218-	5066	35	10					
218-	5107	35	44					
219-	1	31	4					
219-	404	27	20					
219-	404	29	6					
219-	404	29	7					
219-	405	61	2					
221-	4	33	7					
221-	12	37	11					
221-	412	57	19					
221-	1130	63	1					
221-	1139	63	6					
221-	1375	63	5					
221-	1422	63	2					
353-	157	21	20					
	16905	37	2					
	40035	9	20					
	40035	11	20					
	40035	13	28					
	40035	15	28					

