

680E Loader Backhoe

Parts Catalog

C1224

Reprinted

CASE

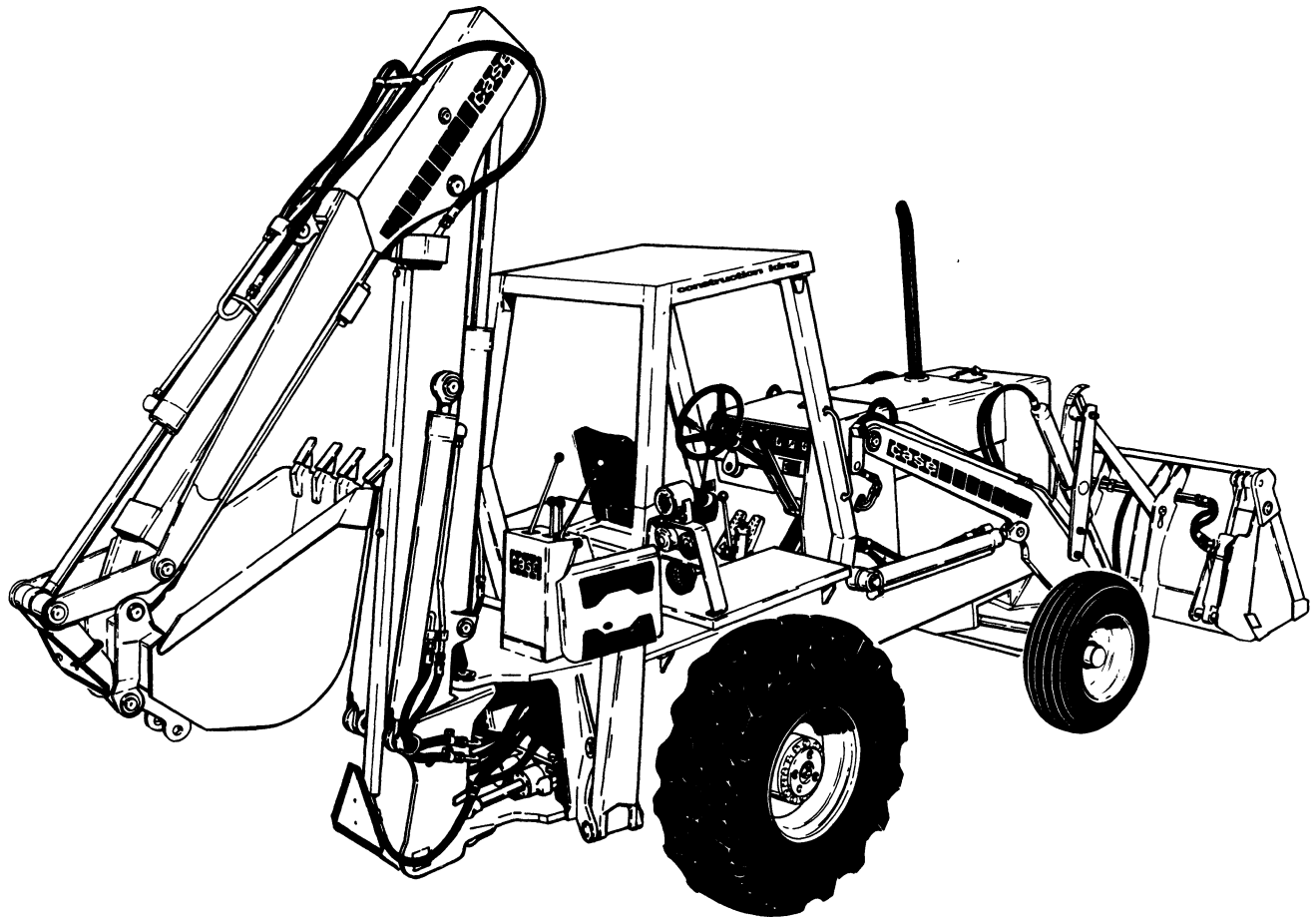
REVISION RECORD LOG

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680E CK LOADER BACKHOE S/N 9114101 AND AFTER

Parts Catalog C1224

Note: This parts catalog replaces the previous issue - B1224 - which is obsolete and should be discarded.



Service Parts Supply

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Indexes

This parts catalog is arranged for easy identification of parts. The Alphabetical Index at the front of the catalog gives location of major groups and assemblies. The Numerical Index at the rear of the the catalog gives part numbers and the page on which they are listed.

Abbreviations and Terms

HHCS - Hex head capscrew.
 NSS- Not sold separately.
 REF - Reference. Used to clarify drawing.
 RESERVED - No item listed.
 UAR - Use as required.

Changes

When changes are made to the machine, revised pages for this catalog will be issued. These pages must be inserted into your catalog as soon as they are received. Failure to keep your catalog up to date will result in confusion and may cause you to order wrong parts.

Description, Quantity, and Machinery Items

All parts are briefly described under DESCRIPTION. The quantity used is listed under REQ'D. Notice in the example below that the description of some items is moved in (indented) from the left-hand margin. An indented item is part of the item under which it is indented. The example shows that six track roller assemblies are used on the machine. Each track roller contains two nuts, two washers, two block and retainers, two O-rings, and two face seal assemblies (indented items 1 thru 5). The face seal assemblies are further divided to show individual parts (items 6, 7, and 8).

Machinery items (Mach. Item) must be ordered from the Machinery Price List. See item 9 in the example.

REF.	PART NO.	DESCRIPTION	REQ'D.
	R 27948	ROLLER ASSEMBLY - track, single flange	6
1	131- 737	NUT - hex., lock (3/4" - 10 NC)	2
2	R 29429	WASHER - hardened, 1/2" thick	2
3	R 27951	BLOCK AND RETAINER - seal	2
4	A 7156	O-RING	2
5	D 35267	SEAL - face	2
6	NSS	BODY - seal, split	1
	D 36826	KIT - repair	1
7	NSS	SEAL - rubber	2
8	NSS	RETAINER - plastic	1
9	Mach. Item	FRAME - mounting (See page 2 or 3 for ordering)	1
10	D 48297	HOSE - lube, 30" (762 mm) long	1
11	13- 728	HHCS - 7/16" - 14 NC x 1-3/4"	2
12	D 51263	HHCS - M20 x 2.5 x 80 (8.8)	2

Orders

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

Right-Hand and Left-Hand Sides

The terms right-hand and left-hand (abbreviated to L. H. and R. H.) as used in this catalog indicate the right and left sides of the machine as viewed from the operator's seat for proper operation of the machine or attachment.

U.S. and Metric Units

Sizes, lengths, and dimensions are given in U.S. units followed by its equivalent in metric units. See item 10 below. Sizes of hardware (bolts, nuts, etc.) are given according to hardware type---in inches for U.S. hardware; in millimeters for metric hardware. See items 2, 11 and 12.

PARTS ORDERING INFORMATION FOR FRENCH, GERMAN, ITALIAN AND SWEDISH SPEAKING COUNTRIES

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COMMANDE DE PIÈCES DE RECHANGE

Ce catalogue Pièces Rechange est conçu pour une identification facile de toutes les pièces CASE d'origine. Situé au début du catalogue, un répertoire permet de localiser rapidement les principaux groupes ou montages. **A la fin du catalogue, un index numérique de pièces de rechange précise la page sur laquelle chacune des pièces est décrite.**

Les pièces sont mentionnées par ordre du numéro de référence suivies du numéro de la pièce, de la description et de la quantité nécessaire. Les quantités mentionnées sous la rubrique « Quantité » correspondent à la quantité nécessaire pour former des assemblages ou des sous-ensembles.

Toutes les pièces sont illustrées sur des dessins éclatés montrant les pièces individuellement les unes par rapport aux autres. Les numéros de référence correspondent aux numéros des pièces sur les vues éclatées. Ces chiffres se rapportent à ceux de la rubrique « Chiffre de référence » qui sont suivis par le numéro de la pièce et sa description.

Toutes les commandes doivent spécifier exactement le numéro correct de la pièce, sa description, la quantité nécessaire, le type et le NUMERO DU MATERIEL, le mode d'expédition et l'adresse du destinataire.

Pour être sûr que votre commande de pièces correspond à vos besoins, vérifier l'illustration et la description dans le catalogue avec la pièce à commander.

BESTELLUNG VON ERSATZTEILEN

Diese Ersatzteilliste ist so zusammengestellt, dass alle Original—CASE—Ersatzteile leicht identifiziert werden koennen. Vorn ist ein Inhaltsverzeichnis nach Baugruppen und Bauteilen angeordnet, welches das Auffinden der Teile erleichtert. Hinten am Schluss der Liste befindet sich ein fortlaufendes Verzeichnis der Ersatzteilnummern, in dem der betreffenden Ersatzteilnummer jeweils die Seitennummer gegenuebersteht, auf der das Teil verzeichnet ist.

Im Ersatzteilverzeichnis befindet sich vor der Ersatzteilnummer eine laufende Nummer, die auch auf der Abbildung wiederholt wird, daneben die Ersatzteilnummer, die Bezeichnung des Teils und die davon benoetigte Stueckzahl für die betreffende Baugruppe.

Alle Teile sind in Zerlegt-Darstellung so abgebildet, dass sie in ihrem natuerlichen Zusammenhang mit den anderen Teilen erkennbar sind, und werden mit der « laufenden Nummer » des Ersatzteilverzeichnisses bezeichnet, um ihre Auffindung zu erleichtern.

Alle Ersatzteil-Auftraege muessen deutlich die richtige Ersatzteilnummer, die genaue Beschreibung, die benoetigte Anzahl von Teilen, Modell und NUMMER des traktors, die gewuenschte Versandart und die Versandadresse enthalten.

Das benoetigte Teil muss sorgfaeltig mit der Abbildung und der Beschreibung verglichen werden, damit die in Auftrag gegebenen Teile auch richtig bestellt sind.

ORDINI DI PEZZI

Questo libro di pezzi è disposto in modo da permettere facilmente una identificazione di tutti gli Autentici Pezzi CASE Impiegati. Un indice è fornito sulla facciata del catalogo dei pezzi per individuare i principali gruppi o montaggi. Un indice numerico alla fine del catalogo dei pezzi indica la pagina in cui ciascun pezzo numerato è descritto.

I pezzi sono elencati in ordine di numero di riferimento seguito dal numero del pezzo, descrizione, e quantitativo richiesto. I quantitativi indicati nella colonna « Quantitativo richiesto » rappresentano il numero di pezzi richiesto per comporre uno dei precedenti Montaggi o Sotto- Montaggi.

Tutti i pezzi sono illustrati in « Prospetti Sviluppati » che mostrano i singoli pezzi e la loro relazione normale tra di loro. I numeri di riferimento sono indicati nella illustrazione. Questi numeri corrispondono a quelli nella colonna « Numero di Riferimento » e sono seguiti dal numero del pezzo e la descrizione.

Tutti gli ordini devono specificare chiaramente il preciso numero del pezzo, completa descrizione, quantitativo richiesto, modello e NUMERO DELLA SERIE della trattrice, metodo di spedizione e indirizzo della spedizione.

Controllate l'illustrazione e la descrizione con il pezzo richiesto, per assicurarvi che i pezzi ordinati sono giusti.

BESTÄLLNING AV RESERVDLAR

Denna reservdelkatalog har getts en speciell uppställningsform för att förenkla identifieringen av alla äkta CASE reservdelar. Ett register finns i början av katalogen upptagande de olika större grupperna och enheterna. En reservdelsnummerförteckning i slutet av katalogen anger vilken sida de olika detaljerna förekomma på.

De olika reservdelarna anges i referensnummerordning atföljda av serservdelsnumret, beskrivning och antal. Antalet, som anges i kolumnen « Quantity Required », är det antal som ingår i enheten i fråga.

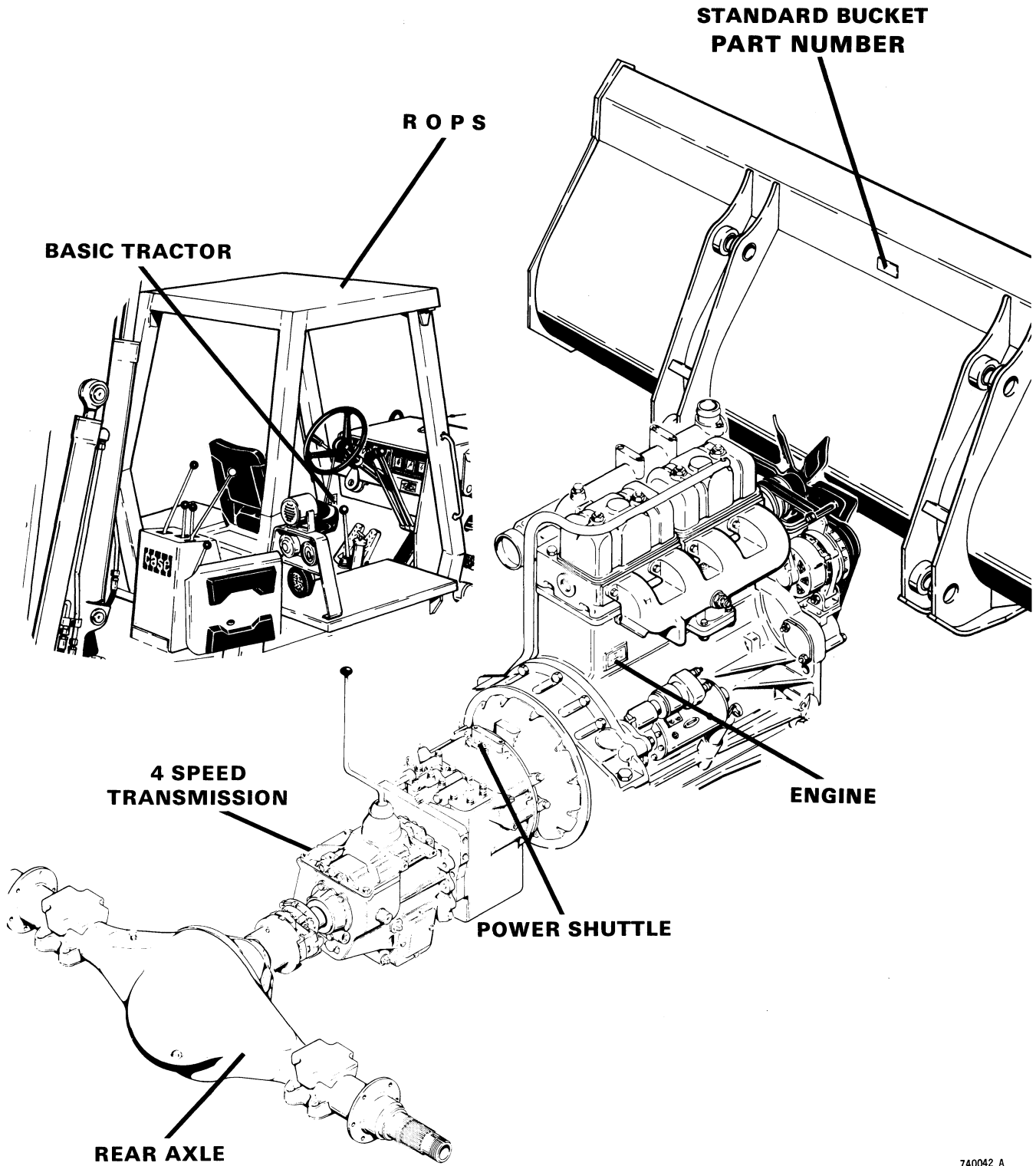
Alla reservdelaravbildas i sprängbilder i sina inbördes lägen. Referensnumren anges på sprängbilderna. De framgå också av kolumnen « Reference Number » där de atföljas av beskrivning och reservdelsnummer.

Reservdelbeställningar skall upptaga korrekt reservdelsnummer, beskrivning, beställt antal, modell och serienummer på maskinen, transportsätt och mottagarens adress.

Kontrollera noga att bild och beskrivning motsvara den önskade detaljen så att misstag undvikas.

720143

MODEL 680E CONSTRUCTION KING LOADER BACKHOE SERIAL NUMBER LOCATION



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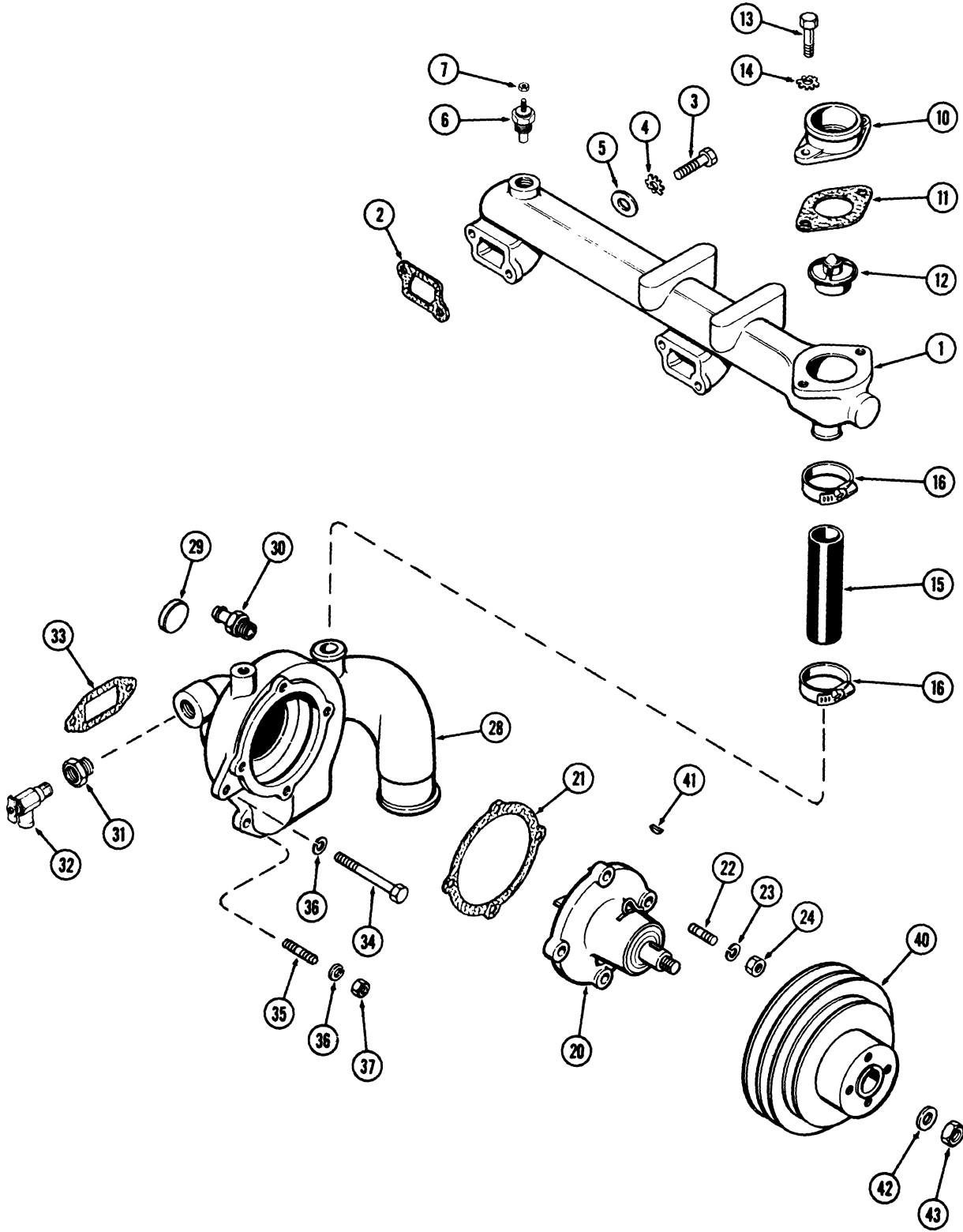
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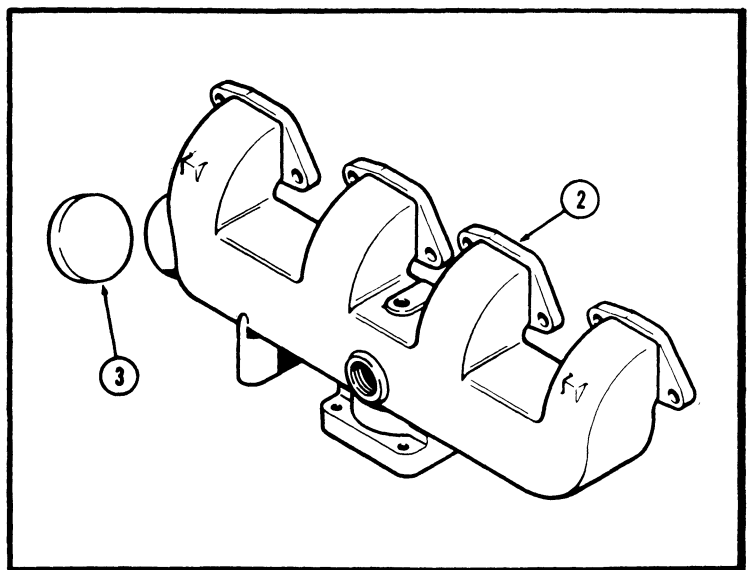
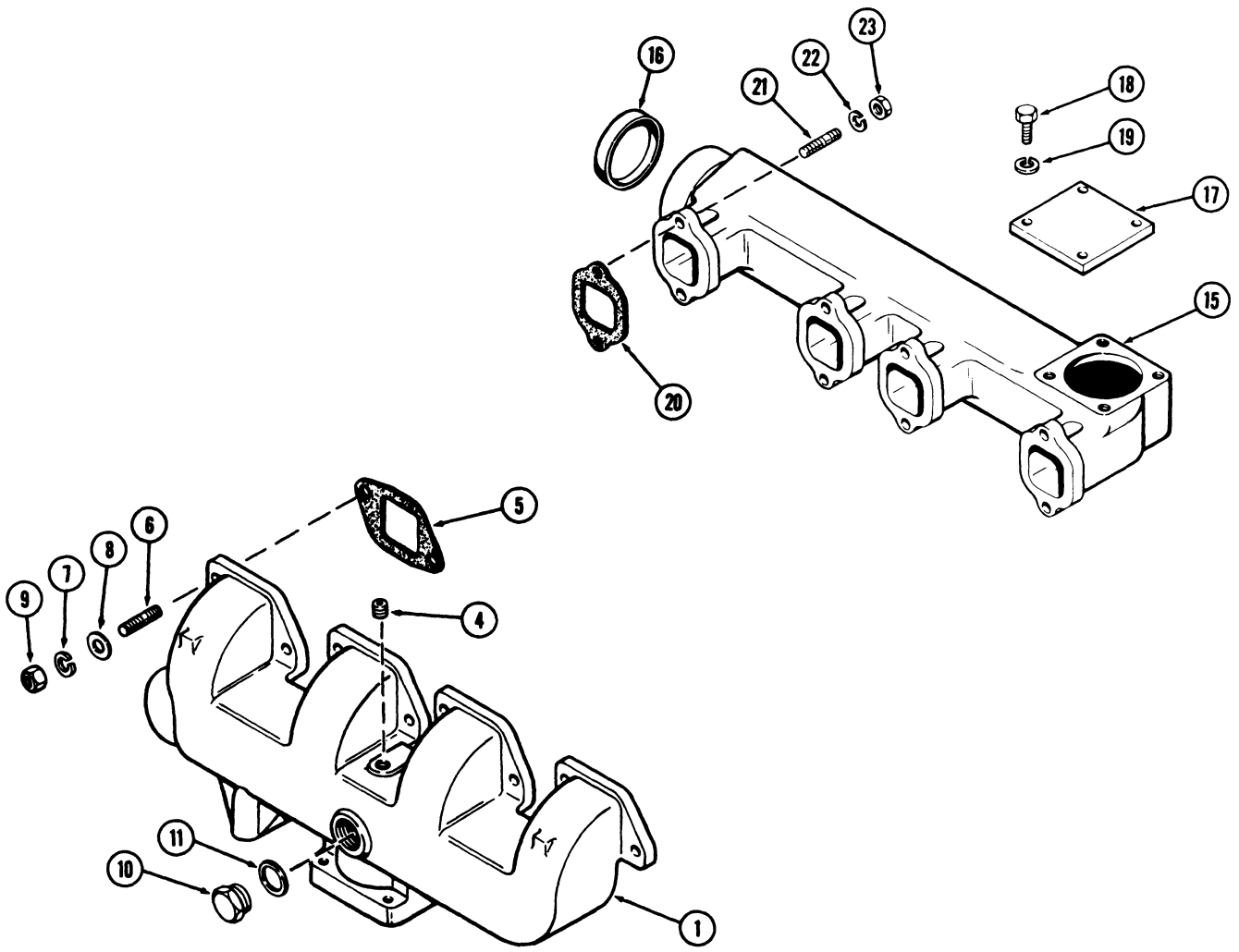


**WATER MANIFOLD AND THERMOSTAT
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 58735	MANIFOLD - water	1
2	A 58637	GASKET - water manifold	2
3	13- 624	BOLT - manifold (3/8 x 1-1/2" N.C. hex.)	2
3	13- 632	BOLT - manifold (3/8 x 2" N.C. hex.)	2
4	193- 10	WASHER - 3/8" ext. skpf	4
5	195- 25	WASHER - 3/8 x 13/16 x 1/16"	4
6	L 56217	UNIT - sending, engine temperature	1
7	193- 1000	NUT - unit terminal (#10 N.F. hex., brass)	1
10	A 58736	HOUSING - thermostat	1
11	G 46907	GASKET - housing to manifold	1
12	A 57641	THERMOSTAT	1
13	13- 614	BOLT - housing (3/8 x 7/8" N.C. hex.)	2
14	193- 10	WASHER - 3/8" ext. skpf	2
15	A 58737	HOSE - manifold to pump (1-1/4" I.D. x 5")	1
16	214- 256	CLAMP - hose (1-3/16" to 1-3/4")	2

WATER PUMP

20	A 62974	PUMP ASSY. - water	1
21	A 58646	GASKET - pump to body	1
22	A 62234	STUD - pump to body (3/8" N.C. x 1-5/16")	4
23	193- 30	WASHER - 3/8" int. skpf	4
24	25- 146	NUT - 3/8" N.C. hex., jam	4
28	A 138498	BODY ASSY. - water pump (for 1/2" P.T. connector) (See Ref. 30)	1
29	A 58568	PLUG - (1-3/8" cup type)	1
28	A 59220	BODY ASSY. - water pump (for 3/4" P.T. connector) (See Ref. 30)	1
29	A 58568	PLUG - (1-3/8" cup type)	1
30	217- 153	CONNECTOR - hose (1/2" P.T.)(Used w/A138498 body)	1
30	217- 381	CONNECTOR - hose (3/4" P.T.)(Used w/A59220 body)	1
31	221- 1092	BUSHING - reducer (3/4" to 3/8")	1
32	A 16764	VALVE ASSY. - shut-off	1
33	A 58649	GASKET - body to block	1
34	13- 620	BOLT - body (3/8 x 1-1/4" N.C. hex.)	2
35	G 11204	STUD - body (3/8" N.C. x 1-7/16")	2
36	92- 6	WASHER - 3/8" lock	4
37	25- 106	NUT - 3/8" N.C. hex	2
40	A 58650	PULLEY - fan	1
41	126- 116	KEY - pulley (#9 Woodruff)	1
42	A 58651	WASHER - (1/2 x 1 x 3/32")	1
43	131- 1106	NUT - 1/2" N.F., crown lock	1

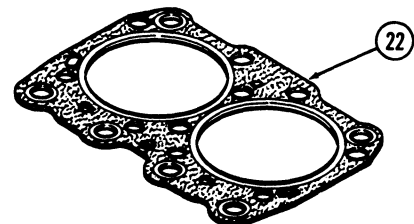
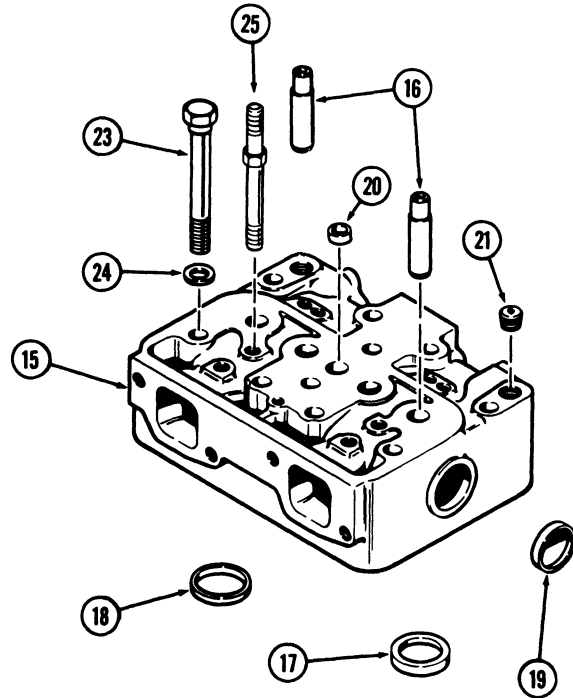
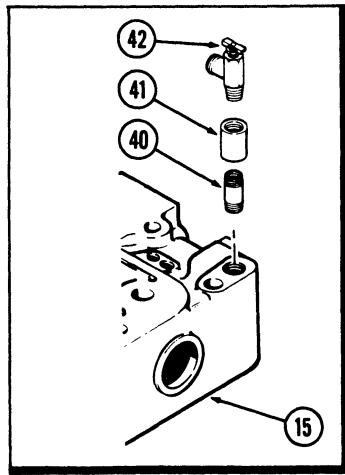
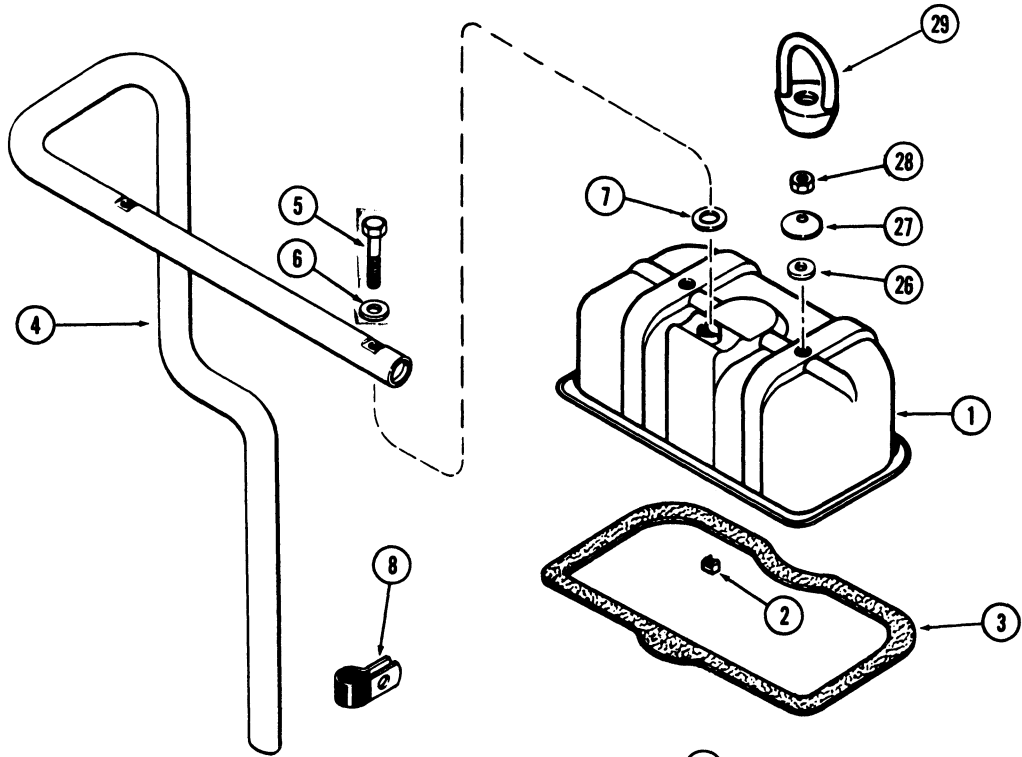


**MANIFOLDS
336BD DIESEL ENGINE
INTAKE MANIFOLD**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 140120	MANIFOLD - intake (aluminum)	1
2	A 59225	MANIFOLD ASSY. - intake (cast iron)	1
3	41- 1042	PLUG - (2-5/8" cup type)	1
4	221- 1011	PLUG - (1/8" P.T., sq. hd.)	1
5	A 58662	GASKET - intake manifold	4
6	A 59077	STUD - intake manifold (3/8" N.C. x 1-13/16")	8
7	92- 6	WASHER - 3/8" lock	8
8	195- 25	WASHER - 3/8 x 13/16 x 1/16" (Used w/A140120 manifold)	8
9	25- 166	NUT - 3/8" N.C. hex	8
10	A 20917	PLUG - heater hole	1
11	A 20916	GASKET - plug	1

EXHAUST MANIFOLD

	A 65272	MANIFOLD ASSY. - exhaust	1
15	NSS	MANIFOLD - exhaust	1
16	A 58750	PLUG - (3-1/4" cup type)	1
17	A 58665	PLATE - outlet cover	1
18	13- 616	BOLT - plate to manifold (3/8 x 1" N.C. hex.)	4
19	92- 6	WASHER - 3/8" lock	4
20	A 58666	GASKET - exhaust manifold	4
21	A 59077	STUD - exhaust manifold (3/8" N.C. x 1-13/16")	8
22	92- 6	WASHER - 3/8" lock	8
23	131- 903	NUT - 3/8" N.C. hex., Seez-Pruf	8

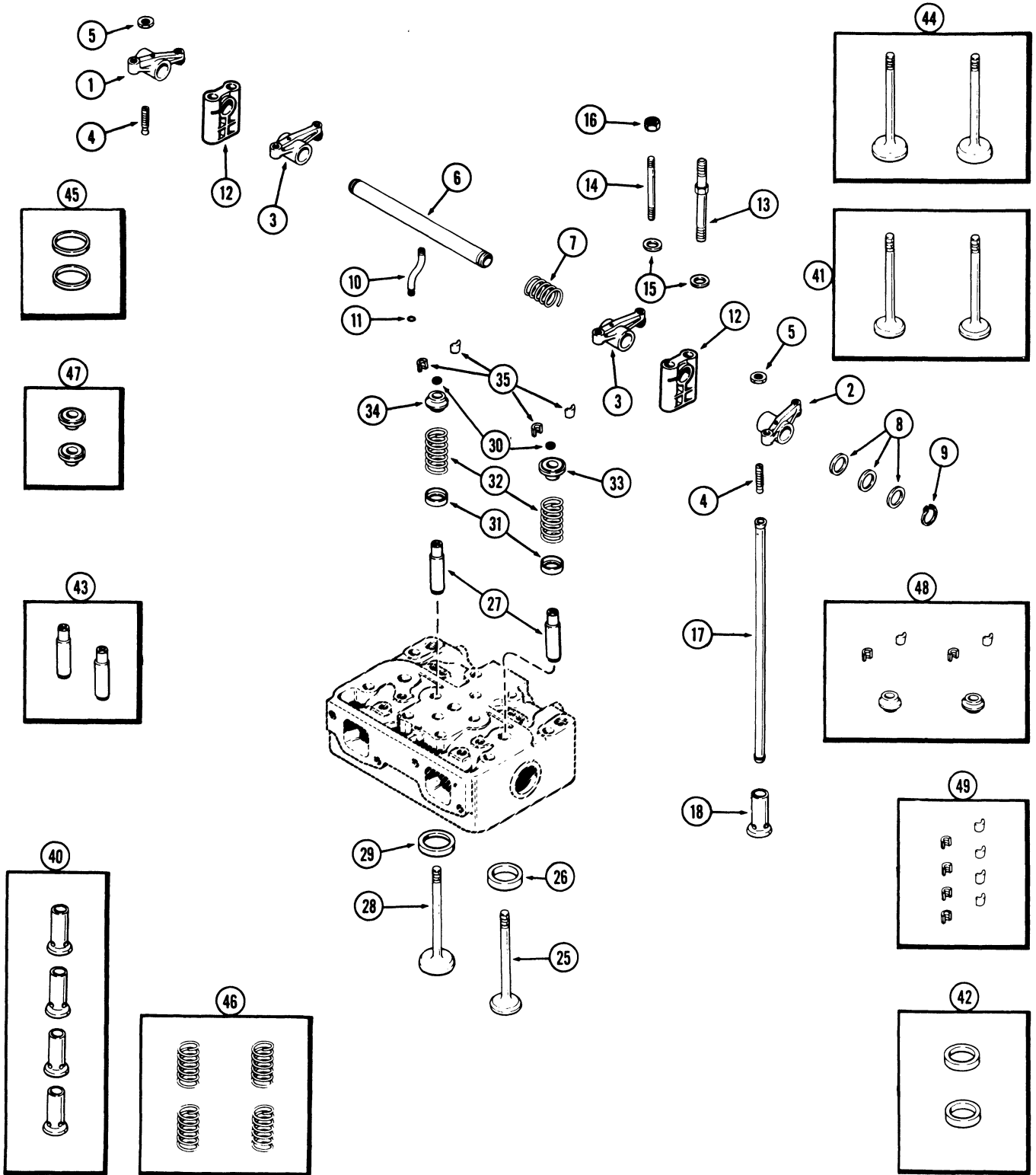


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ENGINE DATA		DECAL NO 321
MODEL		
FULL LOAD R P M		
NO LOAD R P M		
VALVE TAPPET	INTAKE	COLD
CLEARANCE	EXHAUST	COLD
FUEL PUMP TIMING		B T C
NOZZLE OPENING PRESS		P S I

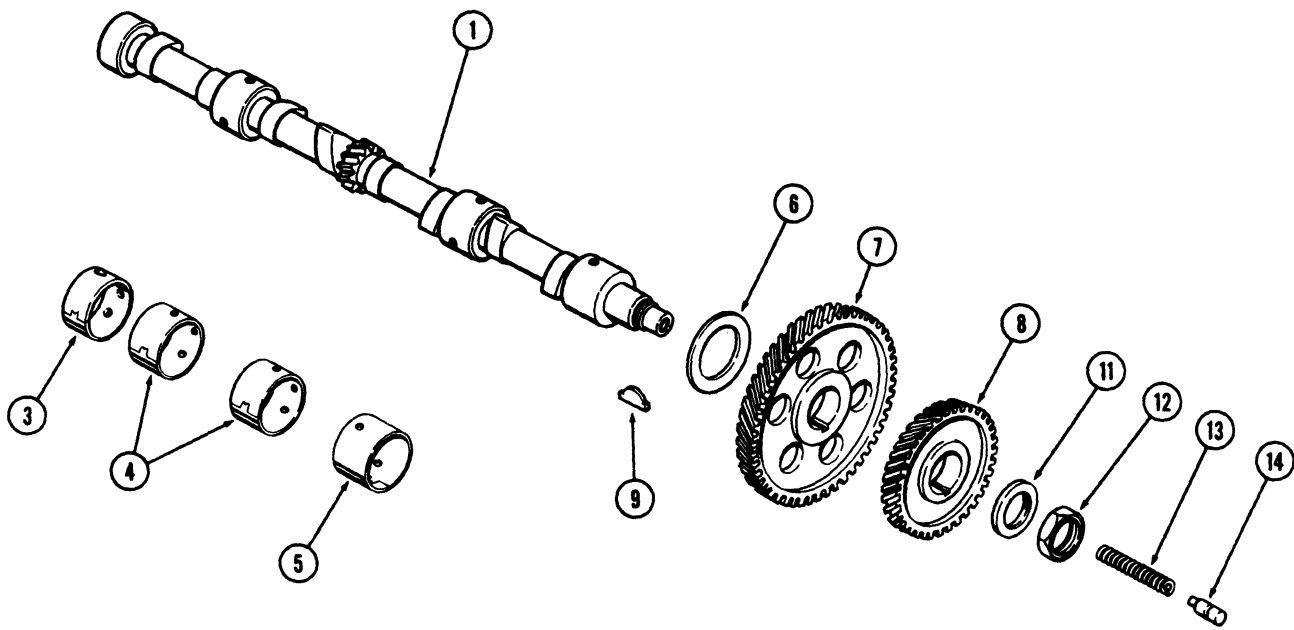
**CYLINDER HEAD AND COVER
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 58929	COVER ASSEMBLY - cylinder head	2
2	131- 114	NUT - 1/4" NC Tinnerman	1
3	A 65734	GASKET - cover	2
4	A 64994	TUBE - breather	1
5	13- 440	BOLT - tube to cover (1/4 x 2-1/2" NC hex)	2
6	A 34133	GASKET - tube, upper	2
7	A 58635	GASKET - tube, lower	2
8	D 34033	CLAMP - breather tube (to flywheel housing)	1
15	A 66709	HEAD ASSEMBLY - cylinder (Replaces A60558)	2
16	A 41783	GUIDE - intake and exhaust valves	4
17	A 60557	INSERT - exhaust valve seat	2
18	A 66192	INSERT - intake valve seat	2
19	A 34124	PLUG - 1-3/8" (41.3 mm) cup type	2
20	A 58620	PLUG - 3/4" (19.1 mm) cup type	3
21	221- 843	PLUG - cylinder head (3/8" PT, hex socket head)	4
22	REF	GASKET - cylinder head (See Page 33)	2
23	A 62732	BOLT - cylinder head (5/8 x 5-5/8" NC hex)	20
24	A 58629	WASHER - cylinder head bolt	20
25	A 67121	STUD - cylinder head cover and rocker arm bracket (7/16" NC x 6-7/16")	4
26	A 23684	GASKET - cover	4
27	A 23683	WASHER - cover (dished)	4
28	25- 107	NUT - 7/16" NC hex	2
29	A 60567	EYE - engine lifting	2
37	321- 2644	DECAL - engine data (on cover)	1
40	221- 158	NIPPLE - (3/8" PT x 1")	1
41	221- 337	COUPLING - nipple to valve	1
42	A 16764	VALVE ASSEMBLY - shut-off	1



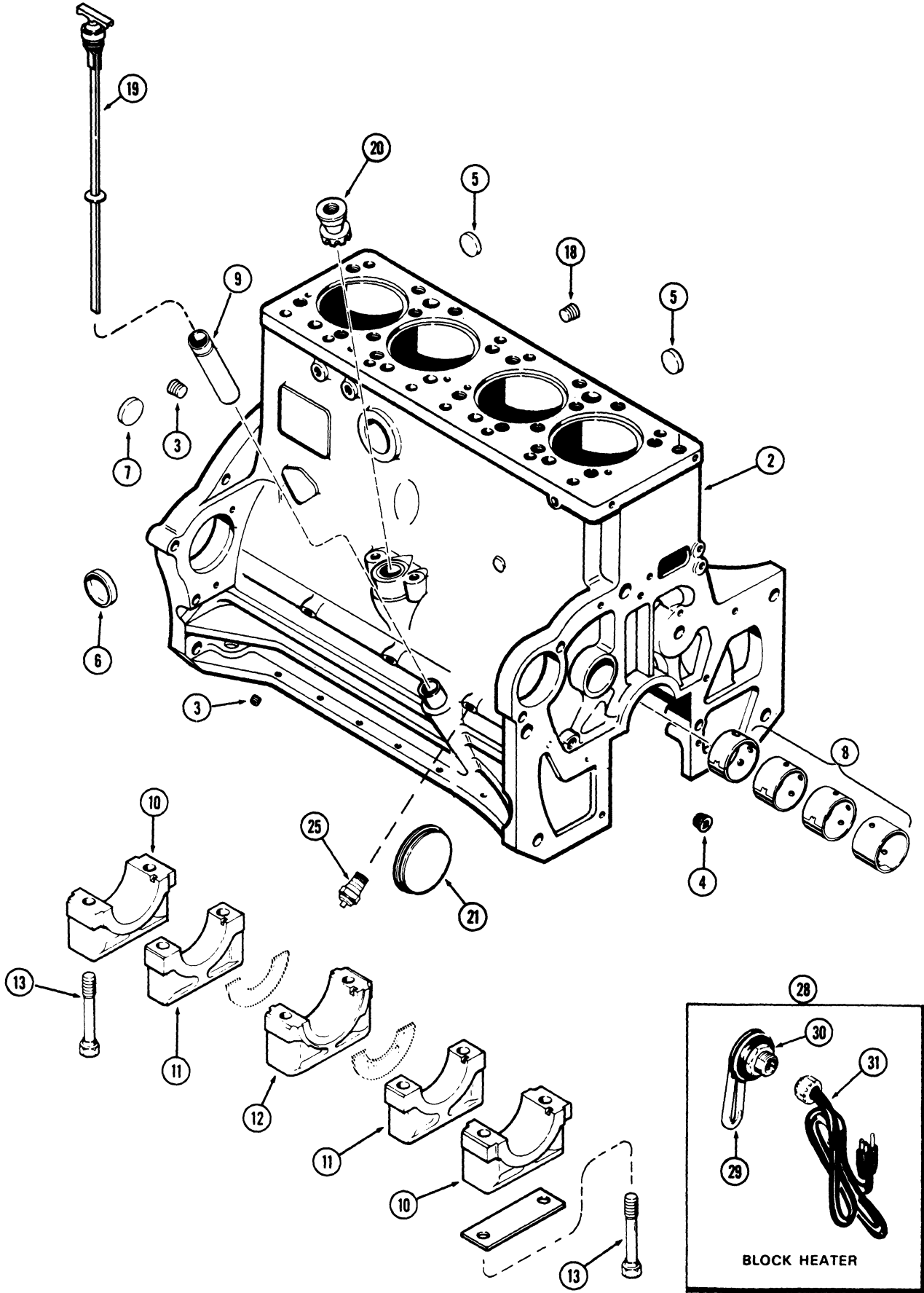
**VALVE MECHANISM
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 58655	ARM - rocker, exhaust valve, 1st and 3rd cyl	2
2	A 58656	ARM - rocker, exhaust valve, 2nd and 4th cyl	2
3	A 58654	ARM - rocker, intake valve	4
4	A 21105	SCREW - adjusting, rocker arm	8
5	25- 156	NUT - lock, adj. screw (3/8" N.F. hex., jam)	8
6	A 57532	SHAFT - rocker arm	2
7	A 27877	SPRING - rocker shaft	2
8	A 27878	WASHER - rocker shaft (29/32 x 1-5/16 x 1/32")	UAR
9	B 18206	RING - snap, rocker shaft	4
10	A 58657	TUBE - oil, rocker shaft	2
11	A 27880	O-RING - oil tube (3/16 x 5/16 x 1/16")	2
12	A 61128	BRACKET - rocker arm shaft	4
13	A 67121	STUD - bracket (7/16" N.C. x 6-7/16")	4
14	A 58659	STUD - bracket (7/16" N.C. x 4-5/16")	4
15	195- 29	WASHER - (15/32 x 15/16 x 1/16")	8
16	25- 107	NUT - 7/16" N.C. hex	4
17	A 141841	ROD ASSY. - push (Replaces A58596)	8
18	NSS	LIFTER - push rod (Order Ref. 40)	8
25	NSS	VALVE - exhaust (Order Ref. 41)	4
26	NSS	INSERT - exhaust valve seat (Order Ref. 42)	4
27	NSS	GUIDE - intake and exhaust valves (Order Ref. 43)	8
28	NSS	VALVE - intake (Order Ref. 44)	4
29	NSS	INSERT - intake valve seat (Order Ref. 45)	4
30	A 58628	SEAL - valve stem	8
31	A 66328	SEAT - valve springs	8
32	NSS	SPRING - valves (Order Ref. 46)	8
33	NSS	ROTO CAP - exhaust valve (Order Ref. 47)	4
34	NSS	RETAINER - intake valve (Order Ref. 48)	4
35	NSS	LOCK - valve springs (Order Ref. 49)	16
40	A 21653	LIFTER KIT - push rod (Set of 4)(Standard)(0.810" O.D.)	2
40	A 22463	LIFTER KIT - push rod (Set of 4)(Oversize)(0.819" O.D.)	2
41	A 41753	VALVE KIT - exhaust (Set of 2)	2
42	A 44576	INSERT KIT - exhaust valve seat (Set of 2)	2
43	A 41781	GUIDE KIT - intake and exhaust valves (Set of 2)	4
44	A 41754	VALVE KIT - intake (Set of 2)	2
45	A 42259	INSERT KIT - intake valve seat (Set of 2)	2
46	A 42895	SPRING KIT - valves (Set of 4)	2
47	A 44658	ROTO CAP KIT - exhaust valves (Set of 2)	2
48	A 44645	RETAINER KIT - intake valves (Set of 2 w/locks)	4
49	A 40352	LOCK KIT - valve spring keepers (Set of 8)	2



CAMSHAFT 336BD DIESEL ENGINE

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 66742	CAMSHAFT - (Replaces A62733)	1
	A 23577	BUSHING KIT - camshaft (Set of 4)	1
3	NSS	BUSHING - rear (1-5/32" wide)	1
4	NSS	BUSHING - intermediate (1-7/16" wide)	2
5	NSS	BUSHING - front (1-21/32" wide)	1
6	A 21017	WASHER - thrust (2-1/4 x 3-1/4 x 1/8")	1
7	A 58592	GEAR - camshaft	1
8	A 58593	GEAR - idler drive	1
9	126- 227	KEY - (Hi-Pro type)	1
11	A 31038	WASHER - camshaft nut (1-3/8 x 2-1/4 x 5/32") (Replaces tab washer A58594)	1
12	A 58595	NUT - camshaft	1
13	A 27853	SPRING - plunger, camshaft bumper	1
14	A 27852	PLUNGER - thrust, camshaft	1

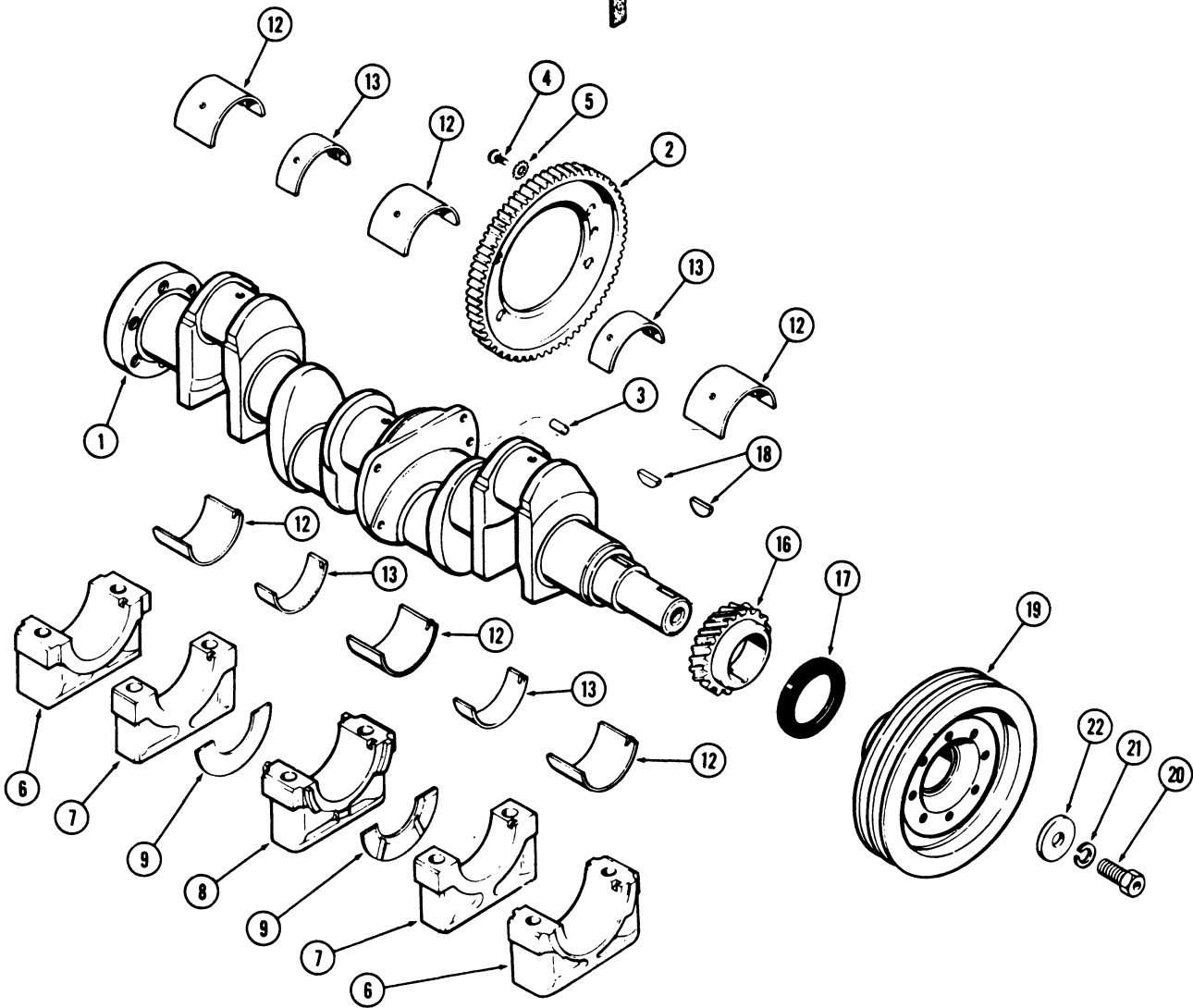
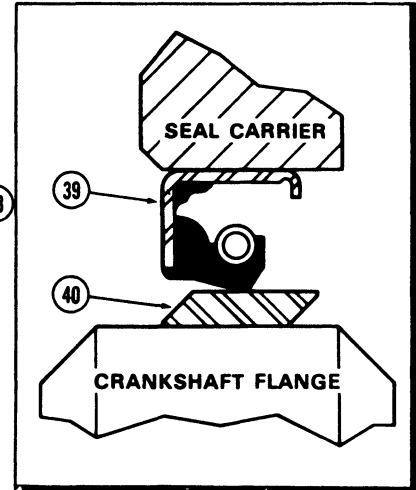
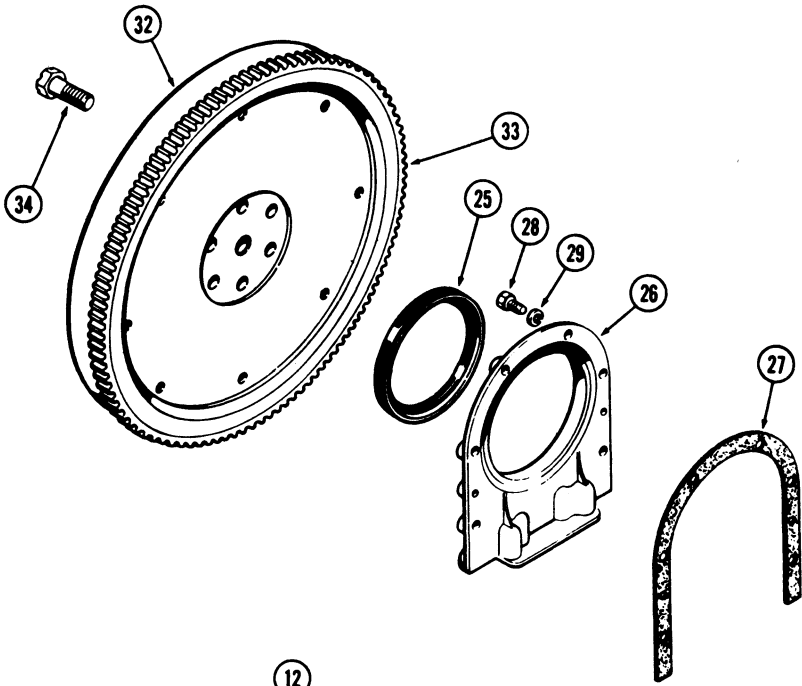


**CYLINDER BLOCK
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
	A 44056	BLOCK ASSY. - short (Incl. stripped block, camshaft, connecting rods and brgs., piston assy., crankshaft and brgs. and timing gears)	1
2	A 44057	BLOCK ASSY. - stripped (Casting No. A58504)	1
3	221- 1849	PLUG - oil gallery (1/8" P.T., sckt. hex. hd.)	4
4	221- 1843	PLUG - oil gallery (3/8" P.T., hex. sckt. hd.)	4
5	A 58568	PLUG - water gallery (1-3/8" cup type)	2
6	A 58569	PLUG - heater hole (2" cup type)	1
7	A 24361	PLUG - camshaft hole (2-3/8" cup type)	1
8	A 23577	BUSHING KIT - camshaft	1
9	A 34540	TUBE - oil filler and dipstick	1
10	A 58783	CAP - main bearing, front and rear (wide)	2
11	A 58784	CAP - main bearing, intermediate (narrow)	2
12	A 58785	CAP - main bearing, thrust, center (wide)	1
13	A 58566	BOLT - bearing caps (5/8 x 4-1/2" N.C. spec.)	10
18	221- 845	PLUG - (3/4" P.T., hex. sckt. hd.)	1
19	A 138330	DIPSTICK - oil level (Replaces A20739)	1
20	A 34266	DRIVE ASSY. - tachometer	1
21	41- 1052	COVER - pump mtg. hole (3-1/2" cup type plug)	1
25	A 66737	SWITCH - oil pressure	1

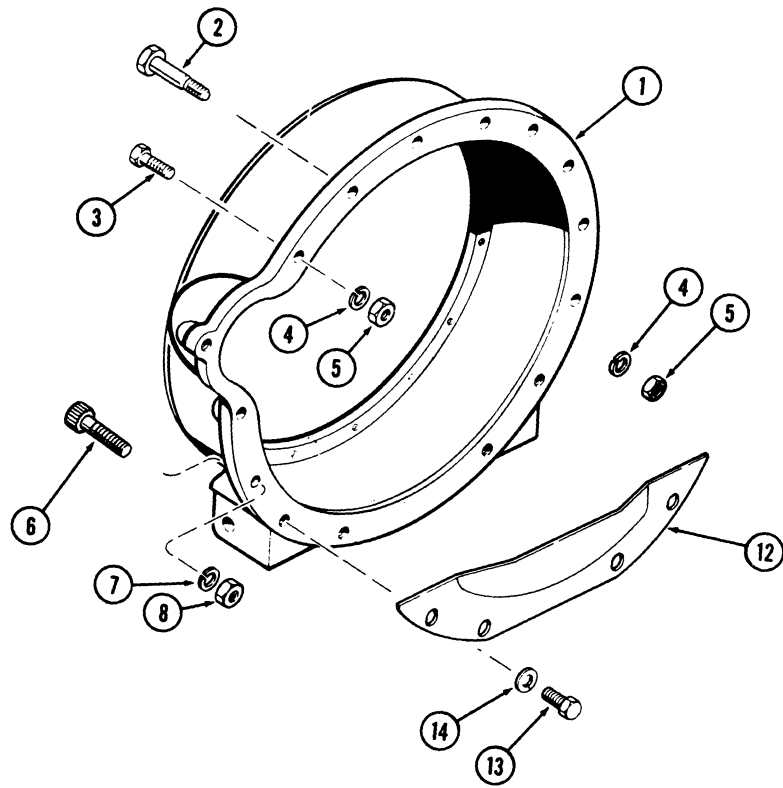
BLOCK HEATER

28	A 44812	HEATER ASSY. - block	1
29	NSS	ELEMENT - heater	1
30	A 7156	O-RING - element (1-3/4 x 2 x 1/8")	1
31	A 44713	CORD - heater	1



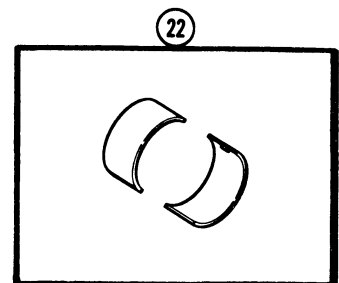
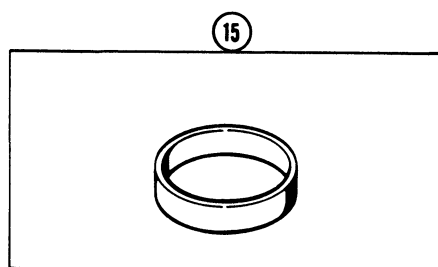
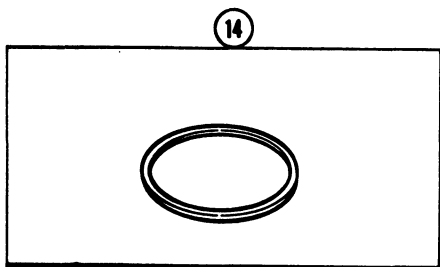
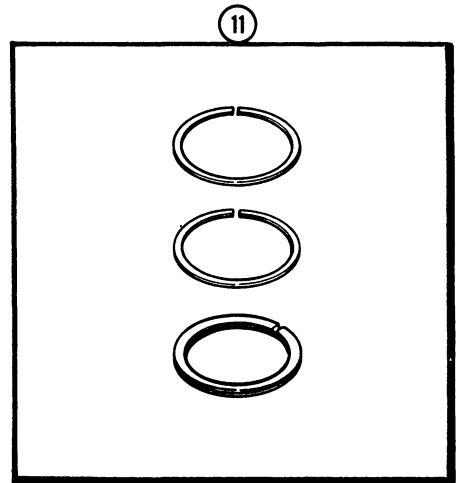
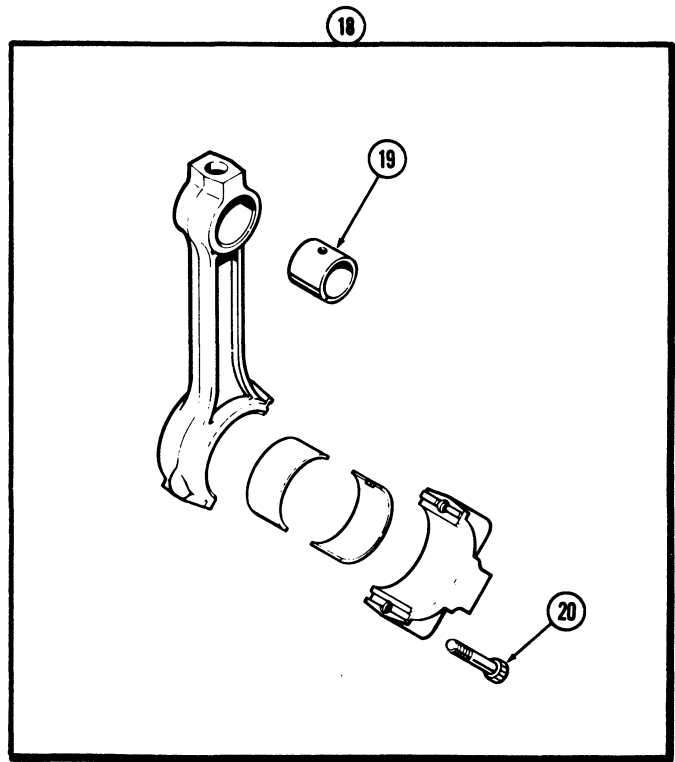
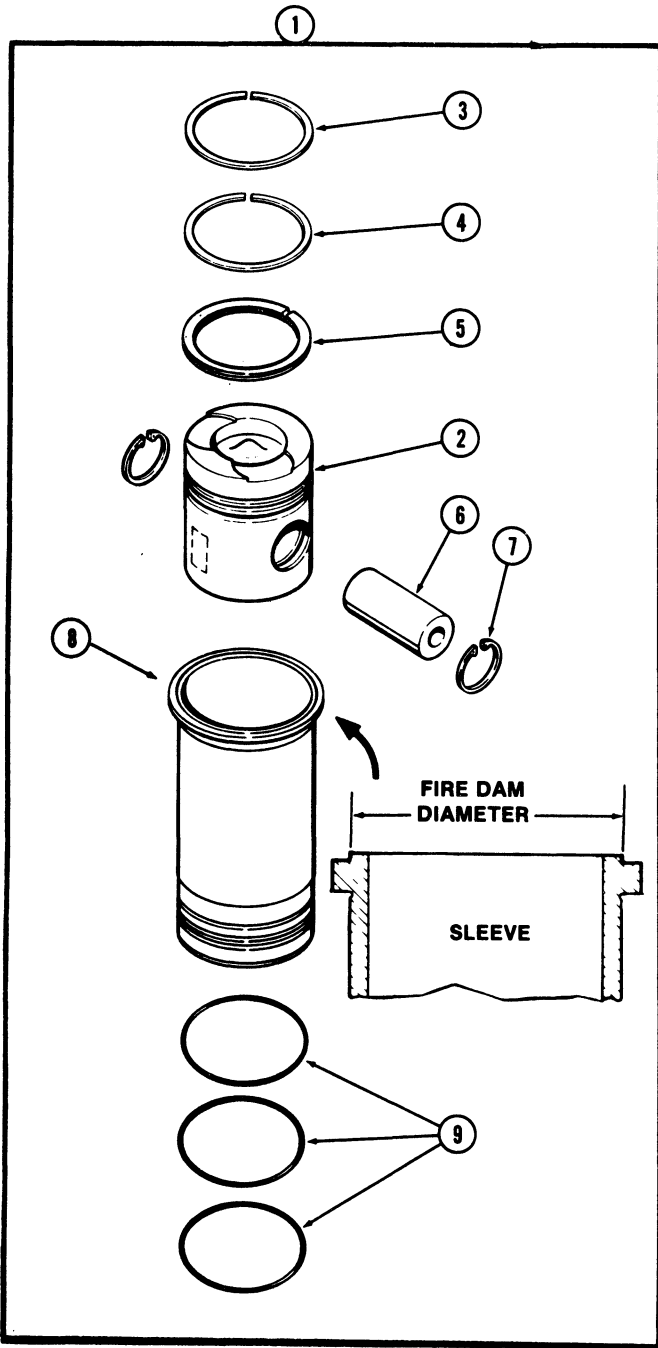
CRANKSHAFT AND FLYWHEEL 336BD DIESEL ENGINE

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 58889	CRANKSHAFT	1
2	A 148425	GEAR - balancer drive (Replaces A62450)	1
3	A 8134	PIN - balancer gear locating (3/8 x 3/4")	1
4	A 146984	SCREW - (3/8 x 7/8" N.F. flat sckt. hd.)(Rpl. A23583)	4
5	193- 56	WASHER - 3/8" ext. skpf	4
6	A 58783	CAP - main bearing, front and rear (wide)	2
7	A 58784	CAP - main bearing, intermediate (narrow)	2
8	A 58785	CAP - main bearing, thrust, center (wide)	1
9	A 62573	WASHER - thrust, center bearing (Standard)(0.185")	2
9	A 42932	WASHER - thrust, center bearing (Oversize)(0.191")	2
12	A 43163	LINER SET - main brg., wide (Std.)(Set of 2)	3
12	A 43164	LINER SET - main brg., wide (-.002")(Set of 2)	3
12	A 43165	LINER SET - main brg., wide (-.010")(Set of 2)	3
12	A 43166	LINER SET - main brg., wide (-.020")(Set of 2)	3
12	A 43167	LINER SET - main brg., wide (-.030")(Set of 2)	3
13	A 43158	LINER SET - main brg., narrow (Std.)(Set of 2)	2
13	A 43159	LINER SET - main brg., narrow (-.002")(Set of 2)	2
13	A 43160	LINER SET - main brg., narrow (-.010")(Set of 2)	2
13	A 43161	LINER SET - main brg., narrow (-.020")(Set of 2)	2
13	A 43162	LINER SET - main brg., narrow (-.030")(Set of 2)	2
16	A 66404	GEAR - crankshaft	1
17	A 62049	SEAL - oil, front (2-5/8 x 3-5/8 x 1/2")	1
18	126- 129	KEY - gear and pulley (#C Woodruff)	2
19	A 66621	PULLEY - fan drive	1
20	A 28028	BOLT - pulley (5/8 x 1-1/2" N.F. hex., sckt. hd.)	1
21	92- 10	WASHER - 5/8" lock	1
22	A 27903	WASHER - pulley (21/32 x 2-1/8 x 1/4")	1
25	A 62050	SEAL - oil, rear (4-3/4 x 5-3/4 x 1/2")(See Ref. 38)	1
26	A 57457	RETAINER - rear oil seal	1
27	A 32830	GASKET - rear oil seal retainer	1
28	13- 620	BOLT - retainer (3/8 x 1-1/4" N.C. hex.)	6
29	92- 6	WASHER - 3/8" lock	6
32	A 66388	FLYWHEEL ASSY	1
33	A 27920	GEAR - ring, starter	1
34	28- 1024	BOLT - flywheel to crankshaft (5/8 x 1-1/2" N.F. hex.)	6
WEAR SEAL KIT			
38	A 43194	WEAR SEAL KIT - oil, crankshaft, rear	1
39	NSS	SEAL - oil, rear (4-7/8 x 5-3/4 x 1/2")	1
40	NSS	SLEEVE - wear (4-3/4 x 4-7/8 x 9/16")	1



**FLYWHEEL HOUSING
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 150268	HOUSING - flywheel (Replaces A9397)	1
2	A 61041	BOLT - dowel (1/2 x 2-7/16" N.C. hex.)	1
2	A 61040	BOLT - dowel (1/2 x 3" N.C. hex.)	1
3	13- 826	BOLT - (1/2 x 1-5/8" N.C. hex.)	3
3	13- 836	BOLT - (1/2 x 2-1/4" N.C. hex.)	3
4	92- 8	WASHER - 1/2" lock	8
5	25- 108	NUT - 1/2" N.C. hex	5
6	166- 138	SCREW - (3/4 x 3" N.C. 12 pt. hd.)	2
7	92- 12	WASHER - 3/4" lock	2
8	25- 1012	NUT - 3/4" N.C. hex	2
12	A 58931	SHIELD - dust, flywheel	1
13	13- 812	BOLT - (1/2 x 3/4" N.C. hex.)	2
13	13- 824	BOLT - (1/2 x 1-1/2" N.C. hex.)	2
14	92- 8	WASHER - 1/2" lock	4

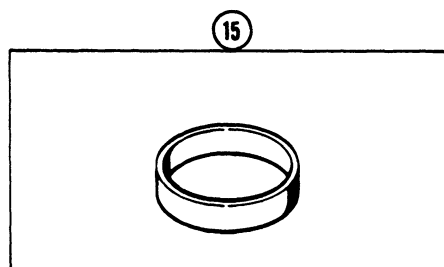
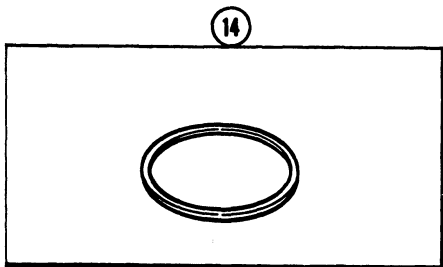
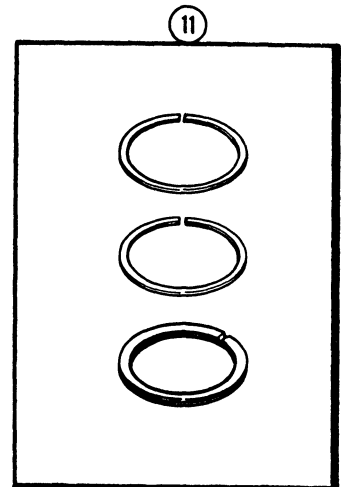
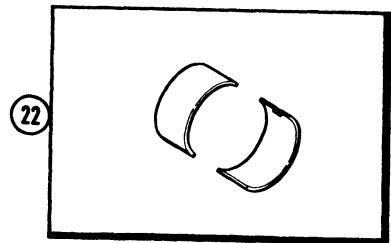
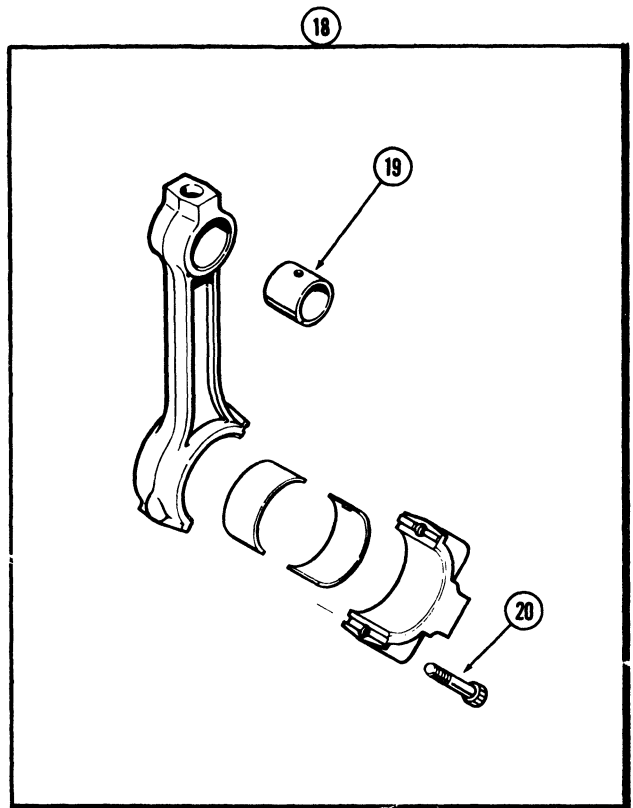
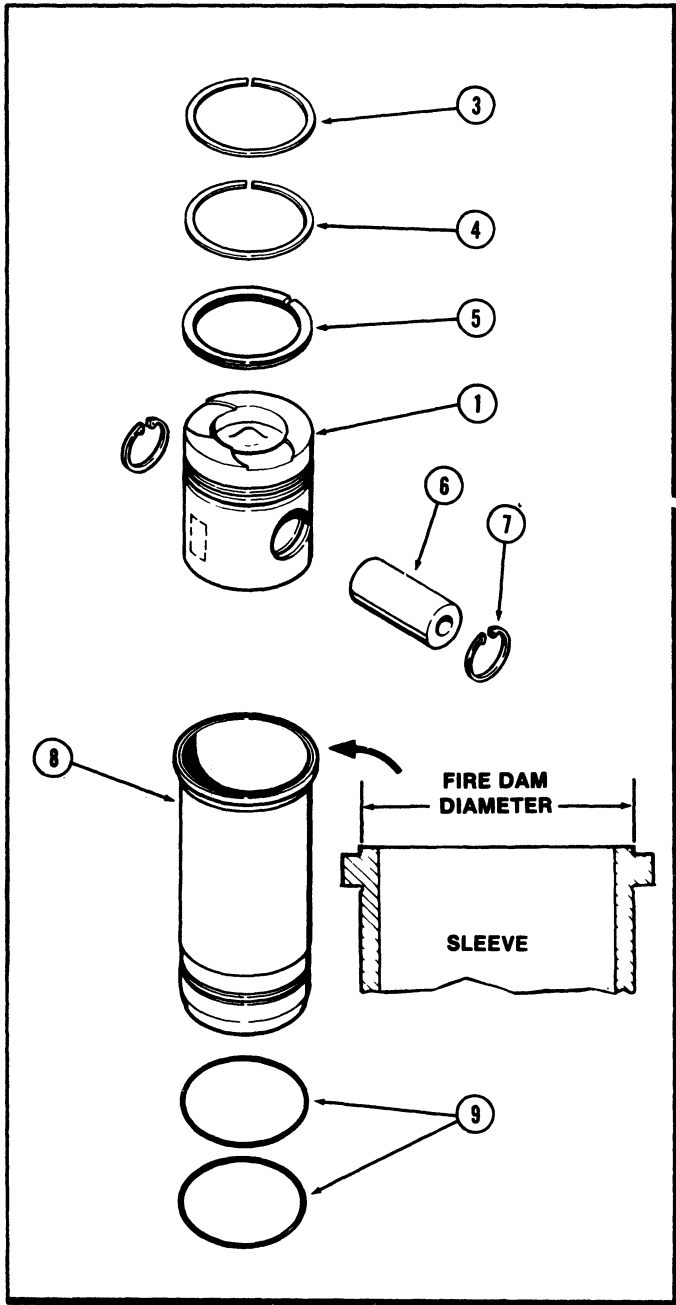


**PISTONS AND SLEEVES
WITH 5.189" TO 5.194" FIRE DAM DIAMETER SLEEVE
336BD DIESEL ENGINES**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 156931	PISTON AND SLEEVE ASSEMBLY - engine (Set of 2)	2
2	A 66531	PISTON - cylinder	2
3	NSS	RING - compression (1st groove)(Order Ref. 11)	2
4	NSS	RING - compression (2nd groove)(Order Ref. 11)	2
5	NSS	RING - oil control (3rd groove)(Order Ref. 11)	2
6	A 140607	PIN - piston	2
7	D 27833	RING - snap, piston pin retaining	4
8	A 153638	SLEEVE - cylinders, (With 3 grooves)	2
	NSS	SLEEVE - cylinder (2 groove) Order 3 groove sleeve A153638	2
9	A 144667	O-RING - sleeve	6
11	A 44060	RING SET - piston re-ring (Set of 1)	4
14	A 148553	SHIM - sleeve, 0.010" (0.254 mm)(Repairs Only)	UAR
14	A 148554	SHIM - sleeve, 0.005" (0.127 mm)(Repairs Only)	UAR
15	A 150327	BUSHING - sleeve (Repairs Only)	UAR
	A 150328	LOCTITE - tube (Not Shown)	UAR

CONNECTING RODS

18	A 62954	ROD ASSEMBLY - connecting	4
19	A 61241	BUSHING - piston pin	1
20	A 65757	BOLT - connecting rod bearing cap	2
22	A 43173	INSERT - connecting rod bearing, (Standard)(Set of 2)	4
22	A 43174	INSERT - connecting rod bearing, 0.002" (0.051 mm) undersize (Set of 2) .	4
22	A 43175	INSERT - connecting rod bearing, 0.010" (0.254 mm) undersize (Set of 2) .	4
22	A 43176	INSERT - connecting rod bearing, 0.020" (0.508 mm) undersize (Set of 2) .	4
22	A 43177	INSERT - connecting rod bearing, 0.030" (0.762 mm) undersize (Set of 2) .	4

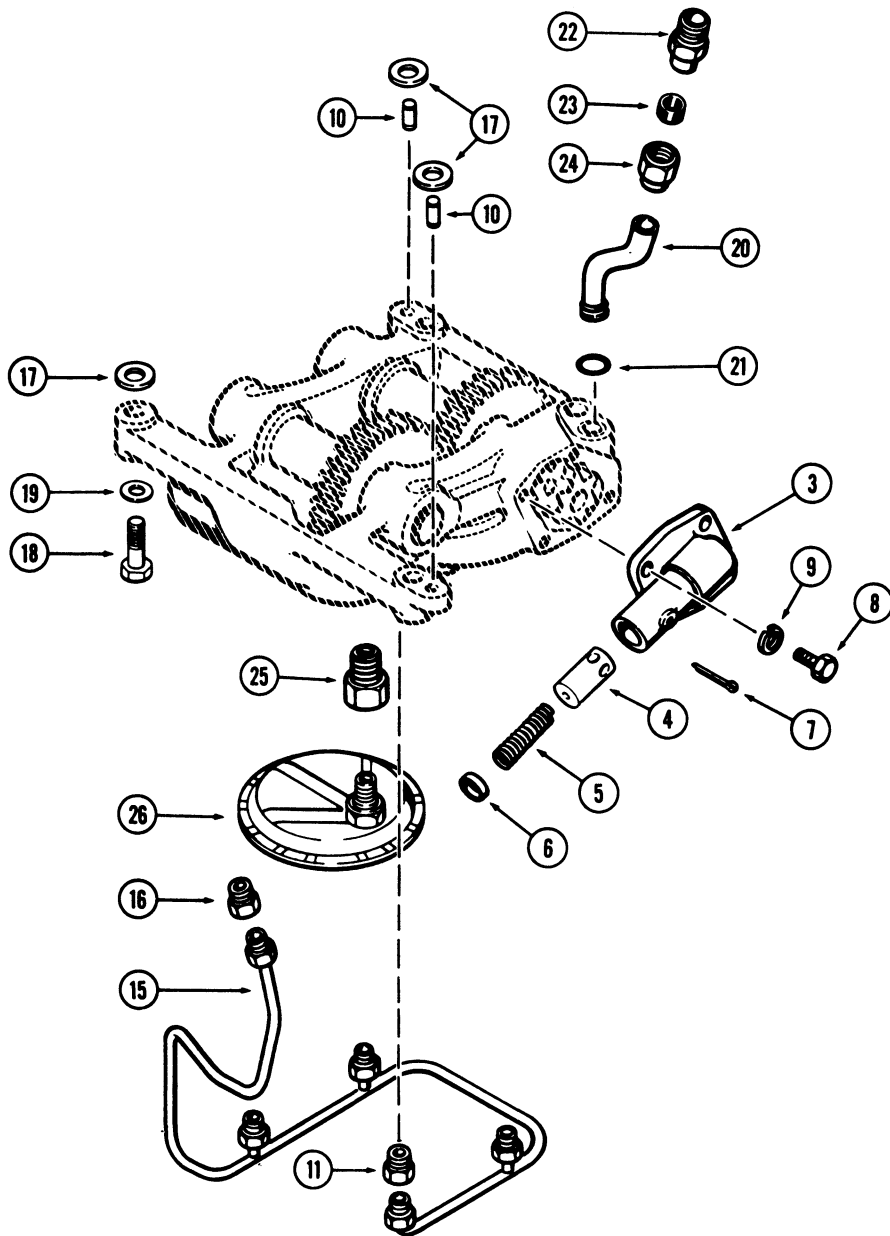
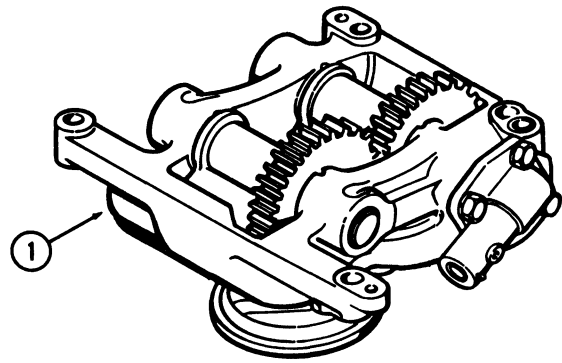
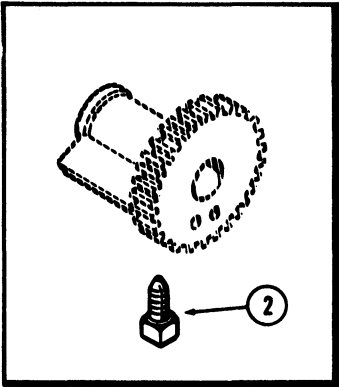


**PISTONS AND SLEEVES
WITH 5.092" TO 5.097" FIRE DAM DIAMETER SLEEVE
336BD DIESEL ENGINES**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 66531	PISTON - cylinder	4
3	NSS	RING - compression (1st groove)(Order Ref. 11)	4
4	NSS	RING - compression (2nd groove)(Order Ref. 11)	4
5	NSS	RING - oil control (3rd groove)(Order Ref. 11)	4
6	A 140607	PIN - piston	4
7	D 27833	RING - snap, piston pin retaining	8
8	A 140216	SLEEVE - cylinders, (With 2 grooves)	4
9	A 146616	O-RING - sleeve	8
11	A 44060	RING SET - piston re-ring (Set of 1)	4
14	A 148553	SHIM - sleeve, 0.010" (0.254 mm)(Repairs Only)	UAR
14	A 148554	SHIM - sleeve, 0.005" (0.127 mm)(Repairs Only)	UAR
15	A 150327	BUSHING - sleeve (Repairs Only)	UAR
	A 150328	LOCTITE - tube (Not Shown)	UAR

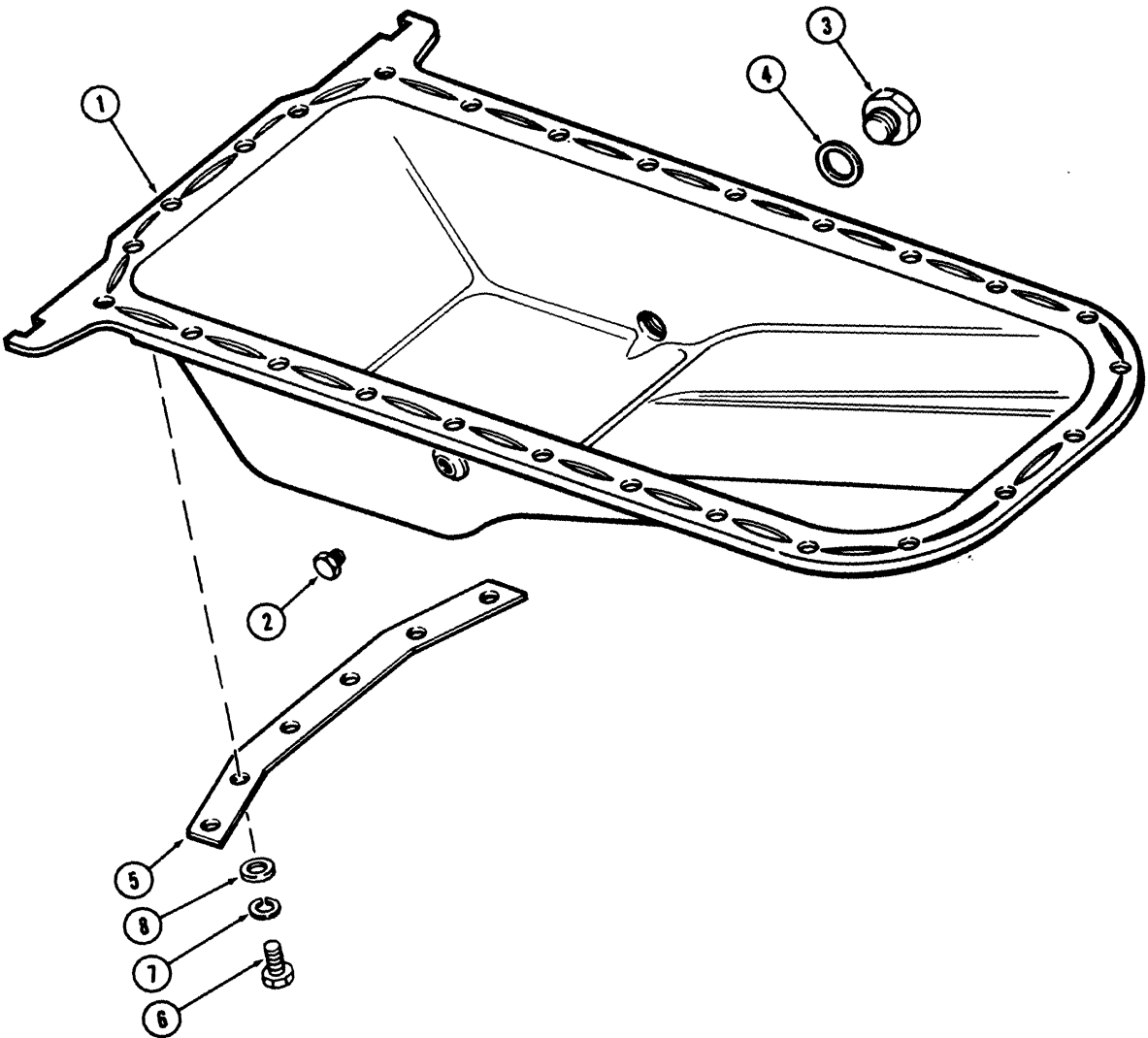
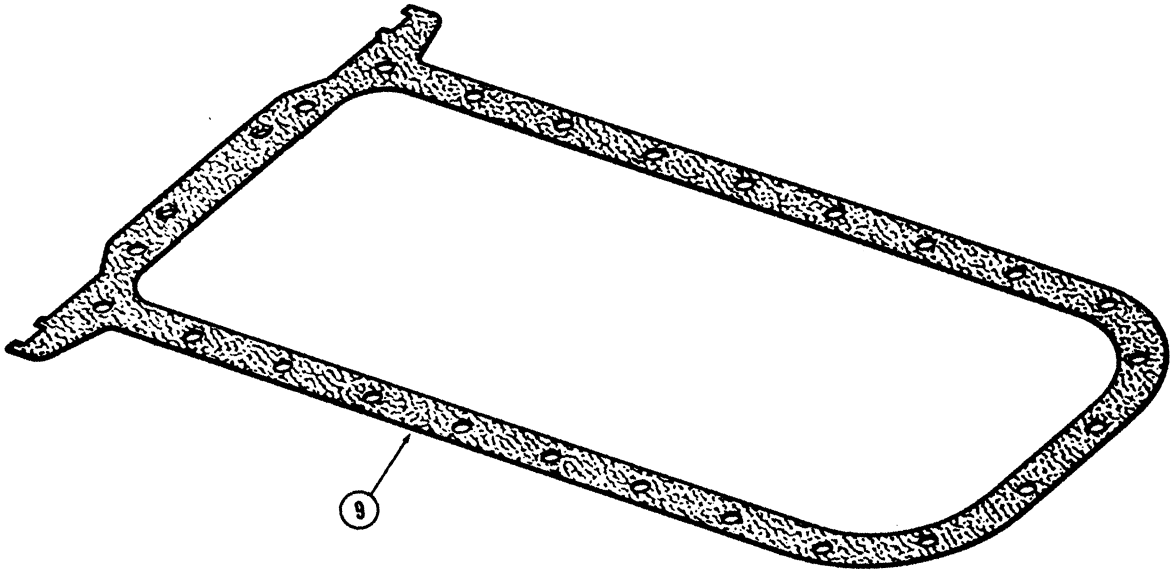
CONNECTING RODS

18	A 62954	ROD ASSEMBLY - connecting	4
19	A 61241	BUSHING - piston pin	1
20	A 65757	BOLT - connecting rod bearing cap	2
22	A 43173	INSERT - connecting rod bearing, (Standard)(Set of 2)	4
22	A 43174	INSERT - connecting rod bearing, 0.002" (0.051 mm) undersize (Set of 2)	4
22	A 43175	INSERT - connecting rod bearing, 0.010" (0.254 mm) undersize (Set of 2)	4
22	A 43176	INSERT - connecting rod bearing, 0.020" (0.508 mm) undersize (Set of 2)	4
22	A 43177	INSERT - connecting rod bearing, 0.030" (0.762 mm) undersize (Set of 2)	4



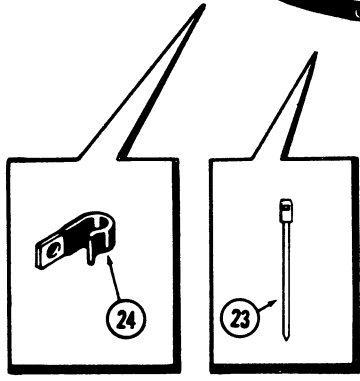
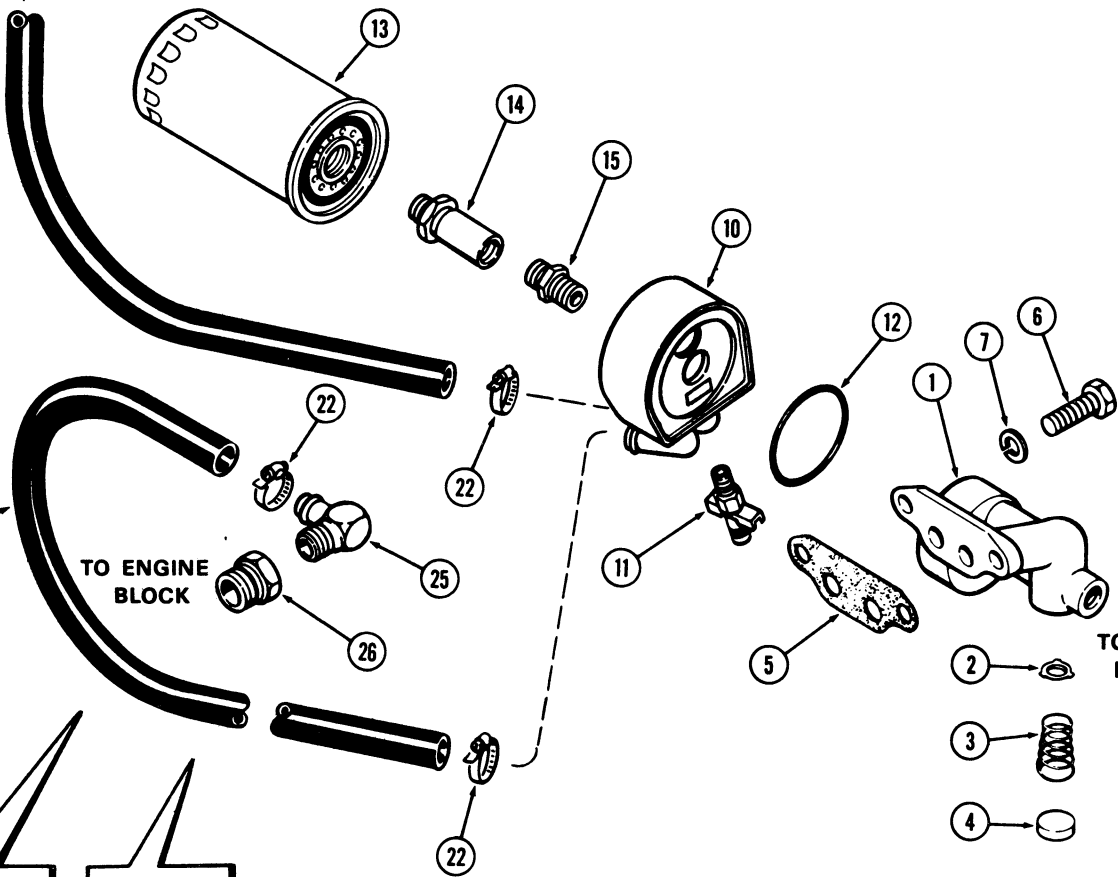
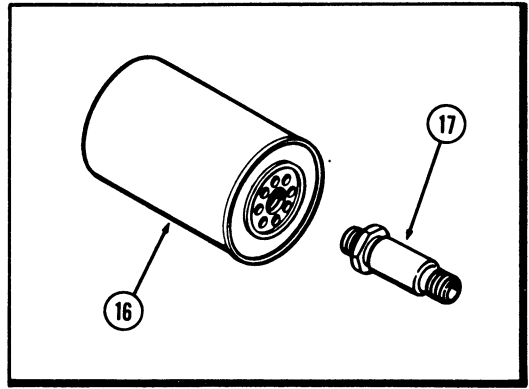
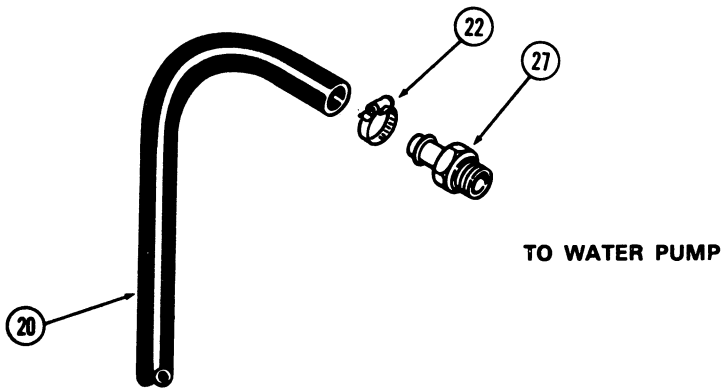
**BALANCER AND OIL PUMP
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 66168	BALANCER ASSY. - engine	1
2	181- 675	SCREW - set (1/2 x 1-1/4" N.C. sq. hd., dog pt.)	4
3	A 61129	COVER - oil pump	1
4	A 65083	VALVE - oil pump relief	1
5	A 59111	SPRING - relief valve (2-1/16" free length)	1
6	41- 1011	PLUG - relief valve (11/16" cup type)	1
7	132- 32	PIN - cotter (3/32 x 1-1/2")	1
8	13- 514	BOLT - (5/16 x 7/8" N.C. hex.)	3
8	13- 522	BOLT - (5/16 x 1-3/8" N.C. hex.)	1
9	92- 5	WASHER - 5/16" lock	4
10	A 8134	PIN - dowel, balancer locating	2
11	222- 1012	CONNECTOR - manifold	4
15	A 62002	MANIFOLD - balancer oil supply	1
16	222- 1012	CONNECTOR - manifold inlet	1
17	G 49401	SHIM - mounting (.005")	UAR
17	G 49402	SHIM - mounting (.010")	UAR
18	13- 840	BOLT - balancer mtg. (1/2 x 2-1/2" N.C. hex.)	2
18	13- 852	BOLT - balancer mtg. (1/2 x 3-1/4" N.C. hex.)	2
19	A 150672	WASHER - 1/2 x 7/8 x 1/8"	4
20	A 61130	TUBE - pump to block	1
21	A 64436	O-RING - tube (9/16 x 3/4 x 3/32")	1
22	222- 31	CONNECTOR ASSY	1
23	222- 106	SLEEVE - (for 5/8" tube)	1
24	222- 116	NUT - (for 5/8" tube)	1
25	A 21235	ADAPTER - screen to balancer	1
26	A 22590	SCREEN ASSY. - oil inlet	1



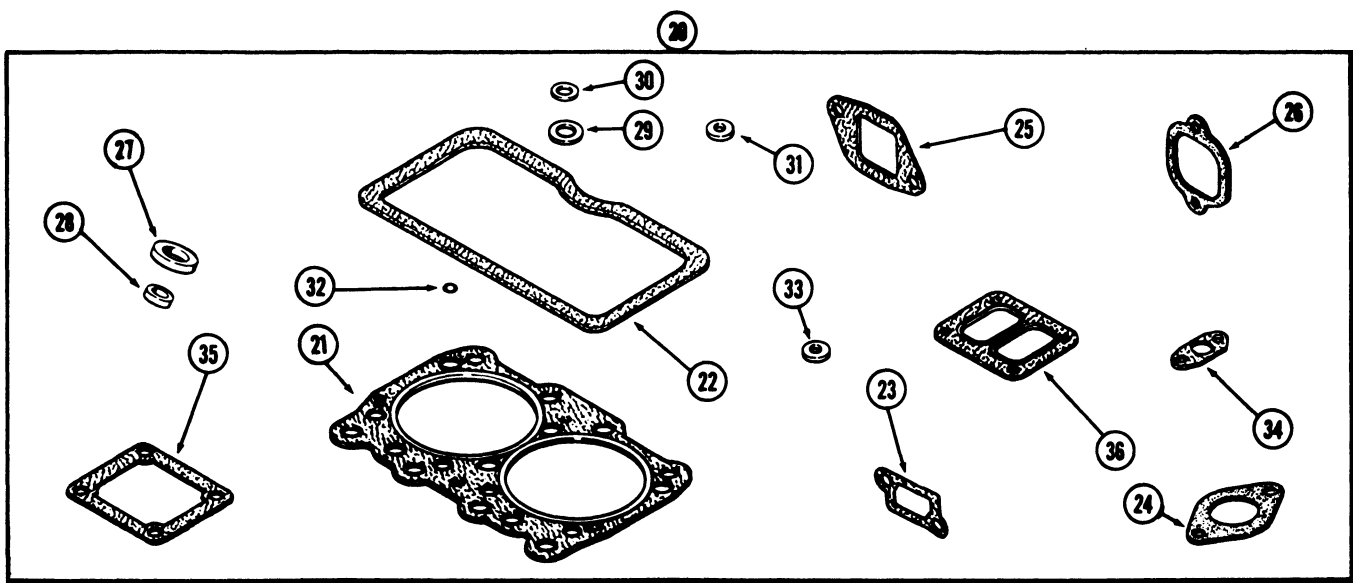
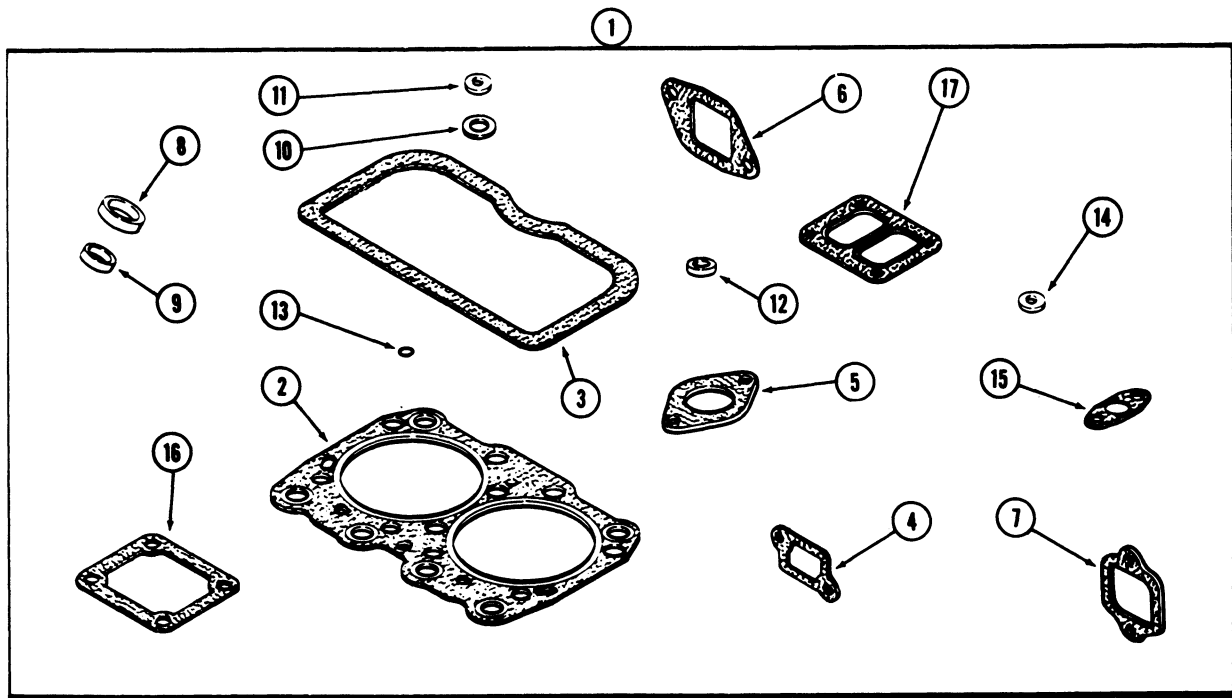
**OIL PAN
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 62711	PAN ASSY. - oil	1
2	221- 664	PLUG - (1/2" P.T., hex. hd.)	1
3	A 34826	PLUG - drain, oil pan	1
4	A 27968	GASKET - drain plug (7/8 x 1-1/8 x 1/16" copper)	1
5	A 58932	STRAP - reinforcing	1
6	13- 614	BOLT - (3/8 x 7/8" N.C. hex.)	24
6	193- 528	BOLT - breather tube brkt. (3/8 x 1-1/2" N.C. hex., sems)	2
7	92- 6	WASHER - 3/8" lock	24
8	195- 25	WASHER - (3/8 x 13/16 x 1/16")	32
9	NSS	GASKET - oil pan (See Page 33)	1



**OIL FILTER AND COOLER
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 58752	BASE ASSY. - oil filter and cooler	1
2	A 58754	VALVE - relief	1
3	A 58755	SPRING - relief valve	1
4	41- 1016	PLUG - relief valve (1" cup type)	1
5	A 58756	GASKET - filter base to block	1
6	13- 828	BOLT - base to block (1/2 x 1-3/4" N.C. hex.)	2
7	92- 8	WASHER - 1/2" lock	2
10	A 66295	COOLER - oil	1
11	217- 107	DRAINCOCK - cooler (discard 1/8" pipe plug in cooler)	1
12	A 66410	SEAL - oil, cooler to base (2-5/8 x 3 x 3/16" sq.)	1
13	A 75294	FILTER - oil (with 1"-12 N.F. threads) (1st used eng. ser. no. 10018987)	1
14	A 66992	ADAPTER - A75294 filter to A58757 adapter (1" - 12 N.F. threads and 3/4"-16 N.F. threads)	1
15	A 58757	ADAPTER - A66992 adapter to A66295 cooler (3/4"-16 N.F. threads and 3/4"-10 N.C. threads)	1
16	A 58758	FILTER - oil (with 3/4"-16" N.F. threads) (Used prior to eng. ser. no. 10018987)	1
17	A 66296	ADAPTER - A58757 filter to A66295 cooler (3/4"-16 N.F. threads and 3/4"-10 N.C. threads)	1
20	NSS	HOSE - water inlet (43" long)(Order A42610)	1
21	NSS	HOSE - water outlet (25" long)(Order A42610)	1
	A 42610	HOSE - (5/8" I.D. x 1" O.D. x 50 ft.)(Cut to length req.)	1
22	214- 335	CLAMP - hose (1/2" to 5/8")	4
23	L 11541	STRAP - hose tie	1
24	A 59718	CLAMP - hose	1
25	217- 134	CONNECTOR - hose (90°)	1
26	221- 60	REDUCER - (in block)(3/4" to 1/2")	1
27	217- 153	CONNECTOR - hose (to water pump)(1/2" P.T.) (Used w/A138498 water pump body)(See Page 9)	1
27	217- 381	CONNECTOR - hose, (to water pump)(3/4" P.T.) (Used w/A59220 water pump body)(See Page 9)	1



**ENGINE GASKET KITS
336BD DIESEL ENGINE
VALVE GRIND KIT**

USED WITH 5.189" TO 5.194" FIRE DAM DIAMETER SLEEVE

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 46367	GASKET KIT - valve grind (See Note)	1
2	A 138397	GASKET - cylinder head	2
3	A 65734	GASKET - cylinder head cover	2
4	A 58637	GASKET - water manifold	2
5	G 46907	GASKET - thermostat housing	1
6	A 58662	GASKET - intake manifold	4
7	A 58895	GASKET - exhaust manifold (Metal faced)(336BDT)	4
7	A 58666	GASKET - exhaust manifold (Asbestos faced)(336BD)	4
8	A 41403	WASHER - injector nozzle body	4
9	A 41402	SEAL - injector nozzle carbon stop	4
10	A 58635	GASKET - breather tube, lower	2
11	A 34133	GASKET - breather tube, upper	2
12	A 23684	GASKET - cover studs	4
13	A 27880	O-RING - rocker shaft oil tube	2
14	A 58628	SEAL - valve stem	8
15	A 58892	GASKET - turbocharger oil drain tube	1
16	A 58910	GASKET - turbocharger air intake elbow	1
17	A 58899	GASKET - turbocharger	2

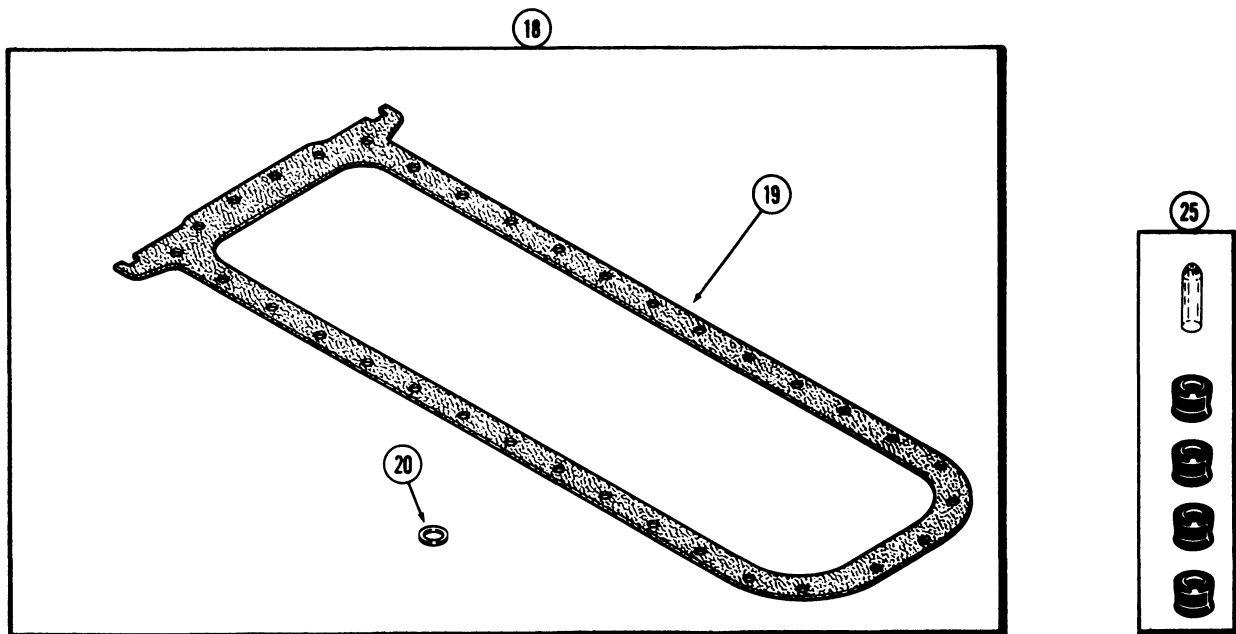
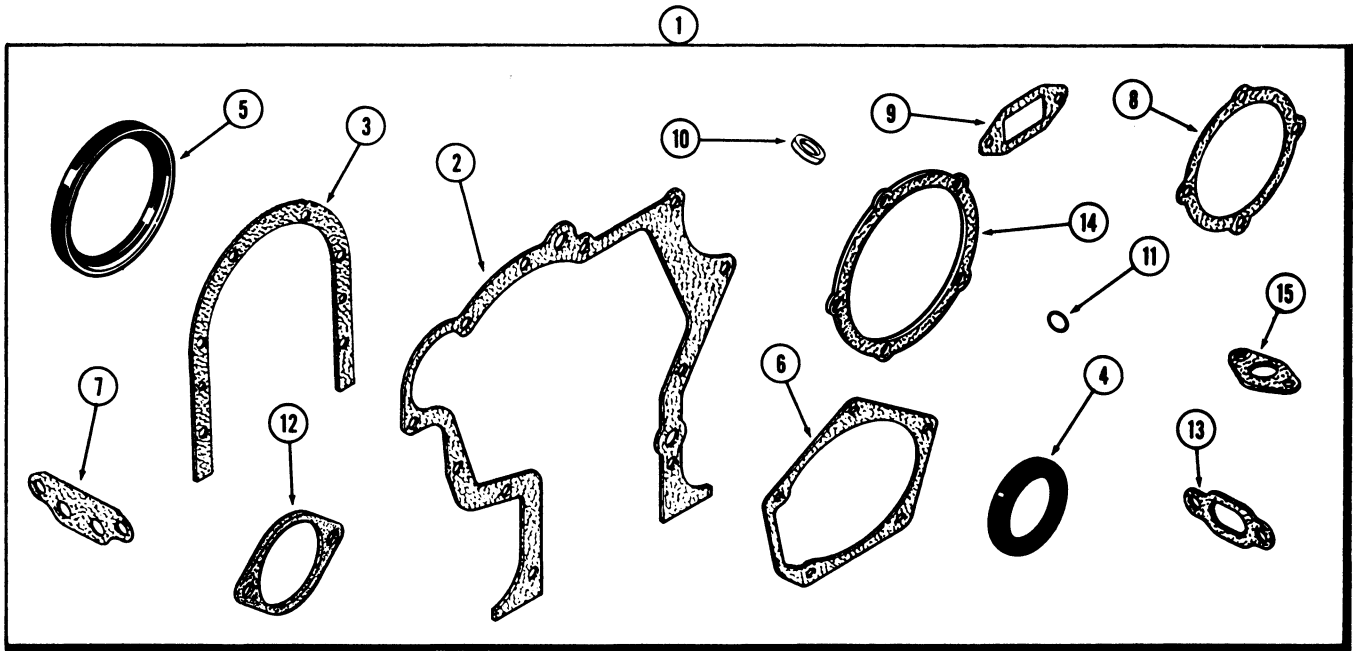
NOTE: FOR COMPLETE ENGINE OVERHAUL ORDER 1-A46367, 1-A44075 AND 1-A42221.

VALVE GRIND KIT

USED WITH 5.092" TO 5.097" FIRE DAM DIAMETER SLEEVE

20	A 44086	GASKET KIT - valve grind (See Note)	1
21	A 142481	GASKET - cylinder head	2
22	A 65734	GASKET - cylinder head cover	2
23	A 58637	GASKET - water manifold	2
24	G 46907	GASKET - thermostat housing	1
25	A 58662	GASKET - intake manifold	4
26	A 58895	GASKET - exhaust manifold (Metal faced)(336BDT)	4
26	A 58666	GASKET - exhaust manifold (Asbestos faced)(336BD)	4
27	A 41403	WASHER - injector nozzle body	4
28	A 41402	SEAL - injector nozzle carbon stop	4
29	A 58635	GASKET - breather tube, lower	2
30	A 34133	GASKET - breather tube, upper	2
31	A 23684	GASKET - cover studs	4
32	A 27880	O-RING - rocker shaft oil tube	2
33	A 58628	SEAL - valve stem	8
34	A 58892	GASKET - turbocharger oil drain tube (Not Used)	1
35	A 58910	GASKET - turbocharger air intake elbow (Not Used)	1
36	A 58899	GASKET - turbocharger (Not Used)	2

NOTE: FOR COMPLETE ENGINE OVERHAUL ORDER 1-A44086, 1-A44075 AND 1-A42221.



**ENGINE GASKET KITS
336BD DIESEL ENGINES
CYLINDER BLOCK KIT**

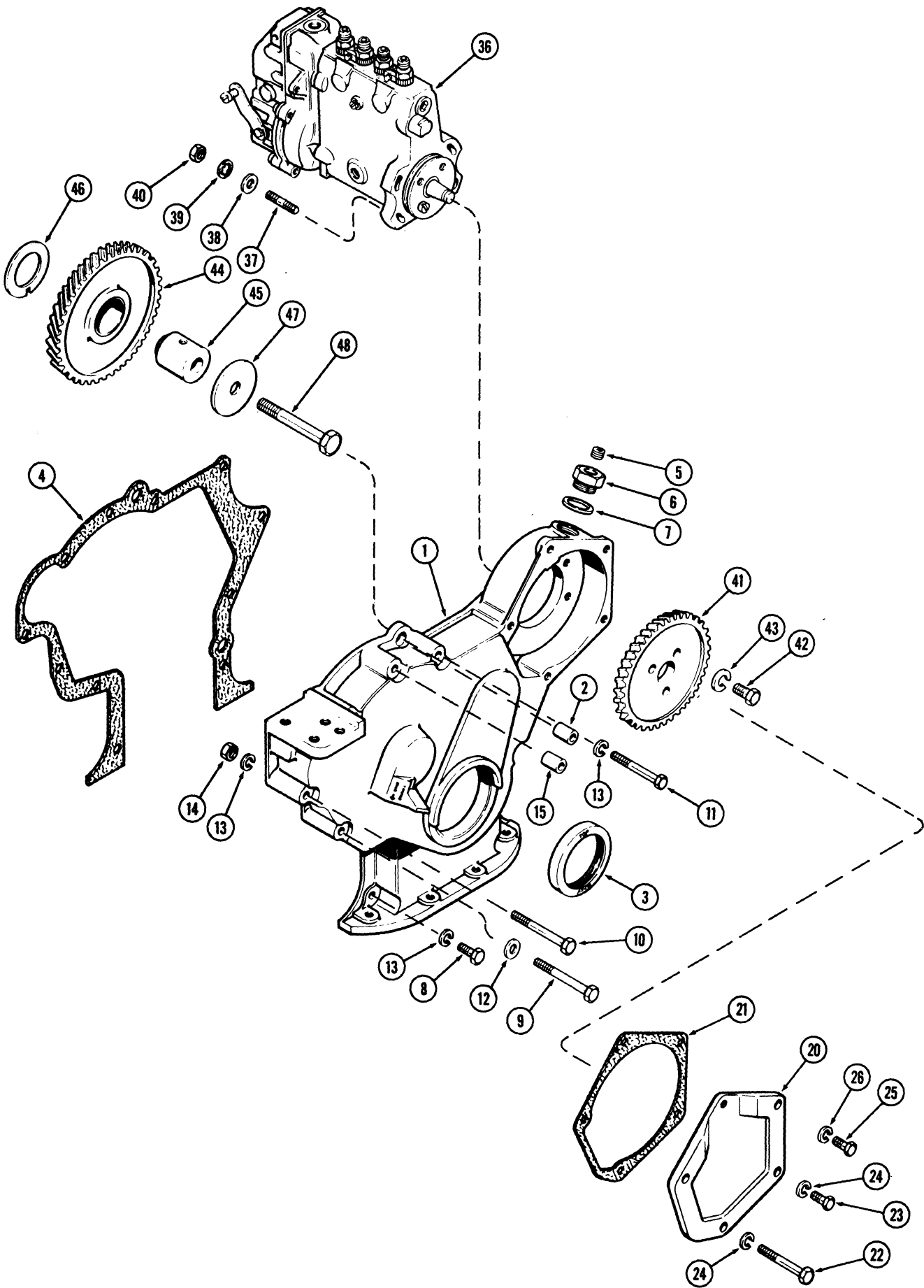
REF.	PART NO.	DESCRIPTION	REQ'D
1	A 44075	GASKET KIT - cylinder block (See Note)	1
2	A 58612	GASKET - timing gear cover	1
3	A 32830	GASKET - rear seal retainer	1
4	A 62049	SEAL - oil, crankshaft, front 2-5/8 x 3-5/8 x 1/2"	1
5	A 62050	SEAL - oil, crankshaft, rear 4-3/4 x 5-3/4 x 1/2"	1
6	A 58615	GASKET - fuel pump cover	1
7	A 58756	GASKET - oil filter base	1
8	A 58646	GASKET - water pump to body	1
9	A 58649	GASKET - water pump body to block	1
10	A 58613	GASKET - timing window plug	1
11	A 64434	O-RING - oil filter base (Not used this application)	3
12	A 58617	GASKET - (Not used this application)	1
13	A 58670	GASKET - (Not used this application)	1
14	A 76656	GASKET - (Not used this application)	1
15	A 58680	GASKET - (Not used this application)	1

OIL PAN KIT

18	A 42221	GASKET KIT - oil pan (See Note)	1
19	NSS	GASKET - oil pan	1
20	A 27968	GASKET - drain plug (Copper)	1
25	M 20614	SEAL KIT - valves (Incl. 4 seals and installation sleeve)	UAR

NOTE: FOR COMPLETE ENGINE OVERHAUL WITH 5.189" TO 5.194" FIRE DAM DIAMETER SLEEVES, ORDER 1-A46367, 1-A44075 AND 1-A42221.

NOTE: FOR COMPLETE ENGINE OVERHAUL WITH 5.092" TO 5.097" FIRE DAM DIAMETER SLEEVES ORDER 1-A44086, 1-A44075 AND 1-A42221.

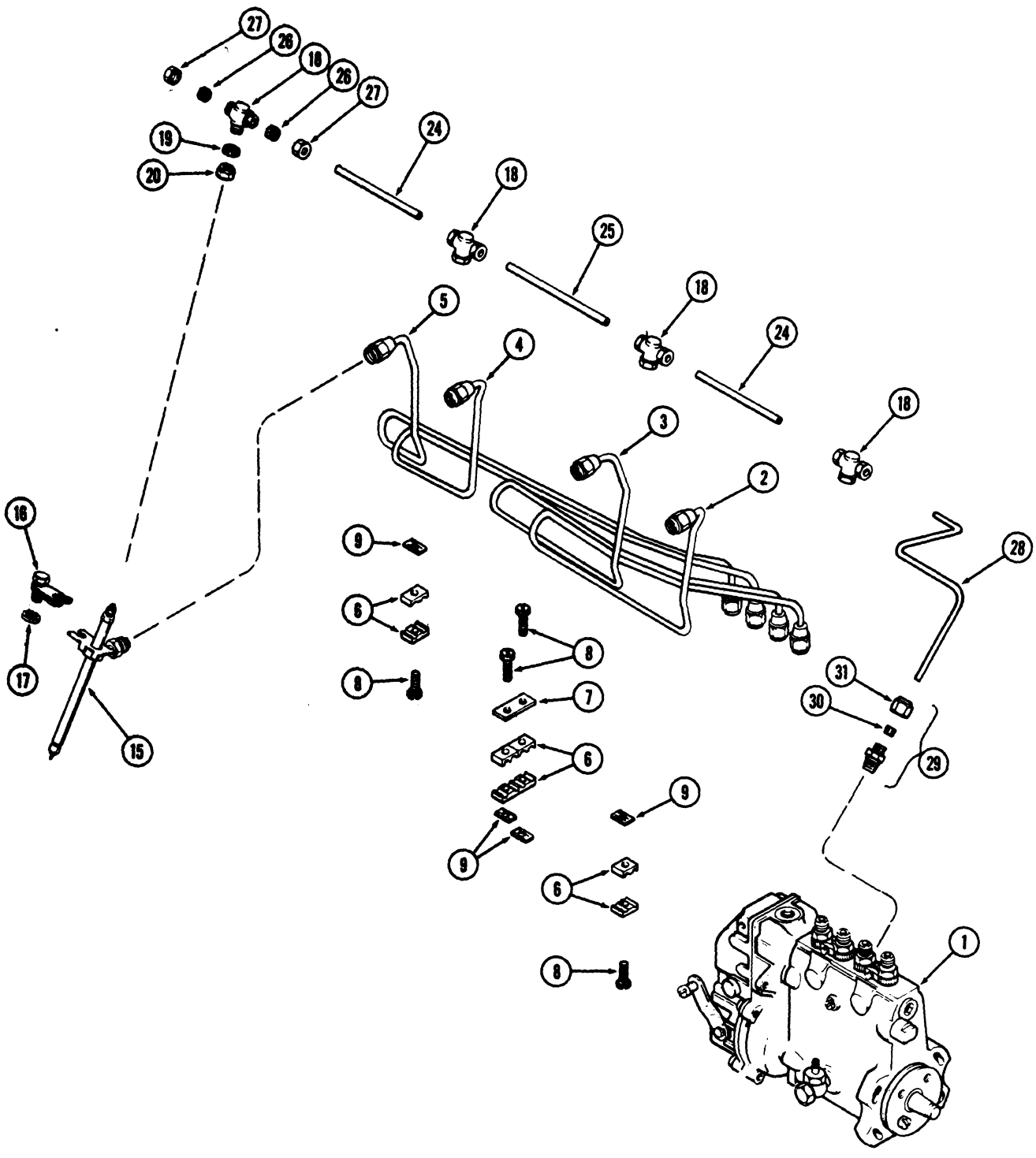


**TIMING GEAR COVER
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 58609	COVER ASSY. - timing gears	1
2	A 58611	DOWEL - cover locating	2
3	A 62049	SEAL - oil, crankshaft, front (2-5/8 x 3-5/8 x 1/2")	1
4	A 58612	GASKET - cover to block	1
5	A 18550	PLUG - timing window	1
6	221- 843	PLUG - (3/8" P.T., hex. sckt. hd.)	1
7	A 58613	GASKET - plug (1 x 1-1/4 x 1/16" nylon)	1
8	13- 616	BOLT - cover (3/8 x 1" N.C. hex.)	4
9	13- 640	BOLT - cover (3/8 x 2-1/2" N.C. hex.)	2
10	13- 656	BOLT - cover (3/8 x 3-1/2" N.C. hex.)	1
11	13- 660	BOLT - cover (3/8 x 3-3/4" N.C. hex.)	2
12	195- 25	WASHER - cover bolts (3/8 x 13/16 x 1/16")	2
13	92- 6	WASHER - 3/8" lock	9
14	25- 106	NUT - 3/8" N.C. hex	2
15	A 19774	SPACER - alternator pry point	1
20	A 61053	COVER - fuel pump gears	1
21	A 58615	GASKET - cover	1
22	13- 656	BOLT - cover (3/8 x 3-1/2" N.C. hex.)	2
23	A 150118	BOLT - cover (3/8 x 1-1/2" N.C. hex.) (Head drilled for anti-tamper wire)	2
24	92- 6	WASHER - 3/8" lock	4
25	13- 514	BOLT - cover (5/16 x 7/8" N.C. hex.)	1
26	92- 5	WASHER - 5/16" lock	1

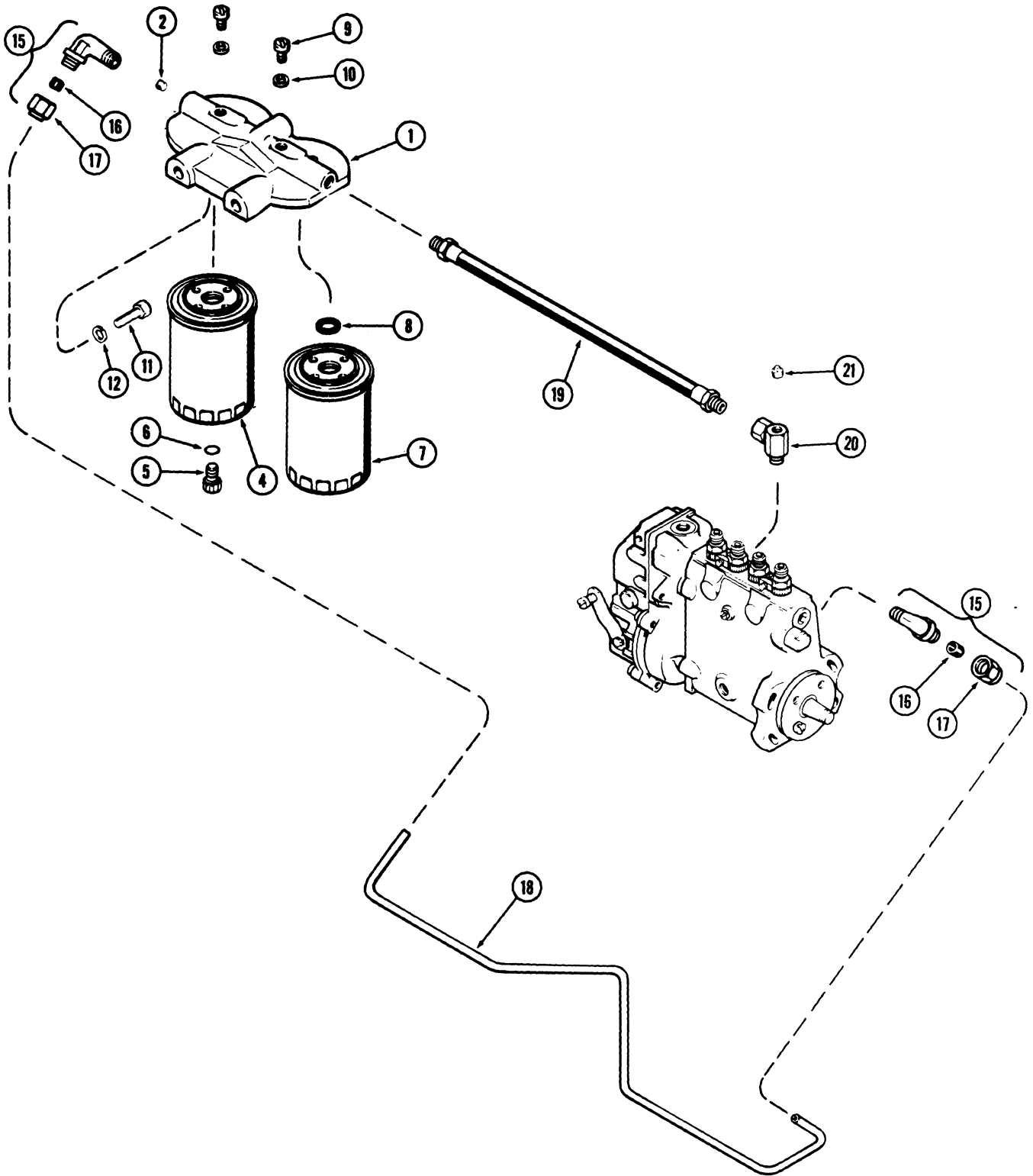
INJECTION PUMP DRIVE

36	REF.	PUMP ASSY. - fuel injection (See Pages 41 and 43)	1
37	A 58689	STUD - pump mounting (3/8" N.C. x 1-7/8")	3
37	A 142092	STUD - pump mounting (3/8" N.C. x 1-7/8") (Drilled for anti-tamper wire)	1
38	A 57470	WASHER - 3/8 x 11/16 x 16 ga	4
39	193- 30	WASHER - 3/8" int. skpf	4
40	25- 106	NUT - 3/8" N.C. hex. (Used w/A58689 stud)	3
40	25- 126	NUT - 3/8" N.C. hex. sltd. (Used w/A142092 stud)	1
41	A 58693	GEAR - injection pump drive	1
42	13- 616	BOLT - drive gear to hub (3/8 x 1" N.C. hex.)	3
43	92- 6	WASHER - 3/8" lock	3
44	A 62542	GEAR ASSY. - idler, w/bushing	1
45	A 58690	SHAFT - idler	1
46	A 58691	WASHER - thrust, idler gear	1
47	A 58692	PLATE - thrust, idler shaft	1
48	13- 868	BOLT - idler shaft (1/2 x 4-1/4" N.C. hex.)	1



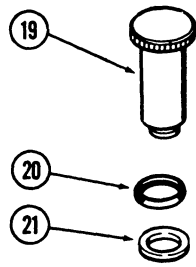
**FUEL INJECTION SYSTEM
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	PUMP ASSY. - fuel injection (See Pages 41 & 43)	1
2	A 58702	TUBE ASSY. - fuel injection, #1 cylinder	1
3	A 58703	TUBE ASSY. - fuel injection, #2 cylinder	1
4	A 58704	TUBE ASSY. - fuel injection, #3 cylinder	1
5	A 58705	TUBE ASSY. - fuel injection, #4 cylinder	1
6	A 58709	CLAMP - injection tubes	8
7	A 58710	PLATE - clamp support	1
8	163- 19	SCREW - clamps (#10 x 1" N.C. sltd. hex. hd.)	4
9	131- 612	NUT - #10 Tinnerman	4
15	REF.	NOZZLE ASSY. - fuel injector (See Page 45)	4
16	A 58695	CLAMP ASSY. - nozzle hold down	4
17	A 58696	SPACER - nozzle clamp	4
18	A 58960	TEE - inj. nozzles & leak-off lines	4
19	A 58962	GROMMET - inj. nozzle to tee	4
20	A 58961	NUT - inj. nozzle to tee	4
24	A 58965	TUBE - fuel leak-off (4-5/8" long)	2
25	A 58964	TUBE - fuel leak-off (5-5/8" long)	1
26	222- 102	SLEEVE - (for 1/4" tube)	8
27	222- 112	NUT - (for 1/4" tube)	8
28	A 58963	TUBE - fuel leak-off (#1 cyl. to check valve)	1
29	A 28098	VALVE ASSY. - check (one way valve)	1
30	222- 102	SLEEVE - (for 1/4" tube)	1
31	222- 112	NUT - (for 1/4" tube)	1

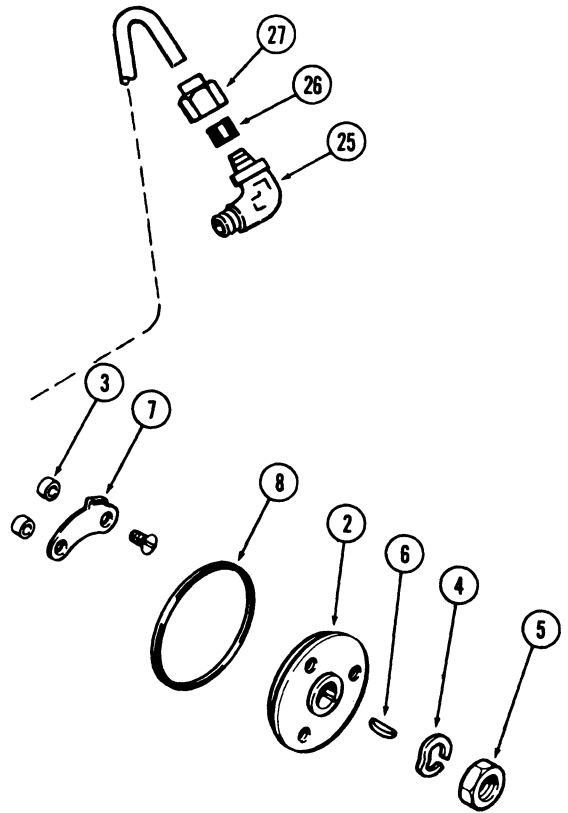
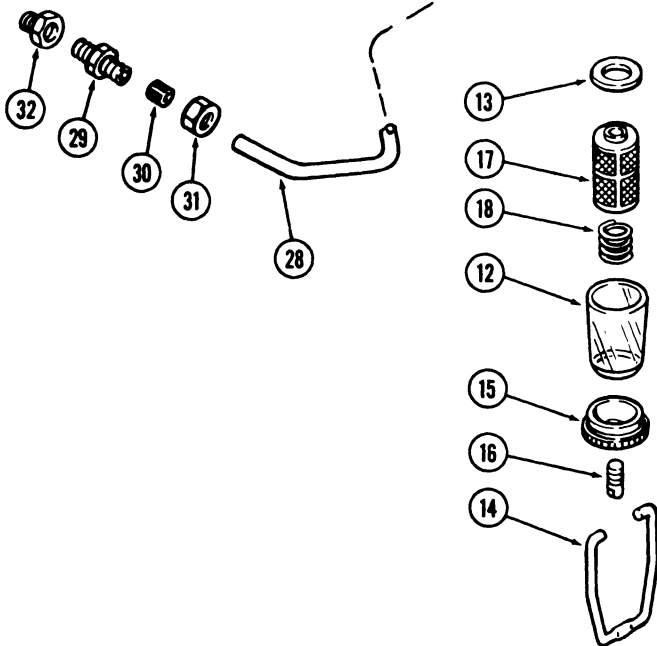


**FUEL FILTER SYSTEM
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
	A 62347	FILTER ASSY. - fuel	1
1	A 62339	HEAD ASSY. - fuel filters	1
2	221- 1849	PLUG - (1/8" P.T., sckt. hex. hd.)	1
	A 41745	ELEMENT KIT - fuel filters	1
4	NSS	FILTER ASSY. - 1st stage	1
5	G 49080	PLUG - filter drain (3/8" P.T., 12 pt. hd.)	1
6	A 28090	O-RING - drain plug (3/8" x 9/16 x 3/32")	1
7	NSS	FILTER ASSY. - 2nd stage	1
8	A 42315	GASKET - filter to head	1
9	A 20663	SCREW - bleed (#10-32 x 5/16" fill. hd.)	2
10	A 146368	WASHER - bleed screw (3/16 x 3/8 x 1/16" aluminum)	2
11	13- 620	BOLT - head to block (3/8 x 1-1/4" N.C. hex.)	2
12	92- 6	WASHER - 3/8" lock	2
15	222- 45	ELBOW ASSY. - fuel line	2
16	222- 103	SLEEVE - (for 5/16" tube)	1
17	222- 113	NUT - (for 5/16" tube)	1
18	A 62341	TUBE - pump to 1st stage filter	1
19	A 58774	HOSE - 2nd stage filter to pump	1
20	A 20539	UNION - (in pump)	2
21	221- 1011	PLUG - (1/8" P.T., sq. hd.)	1

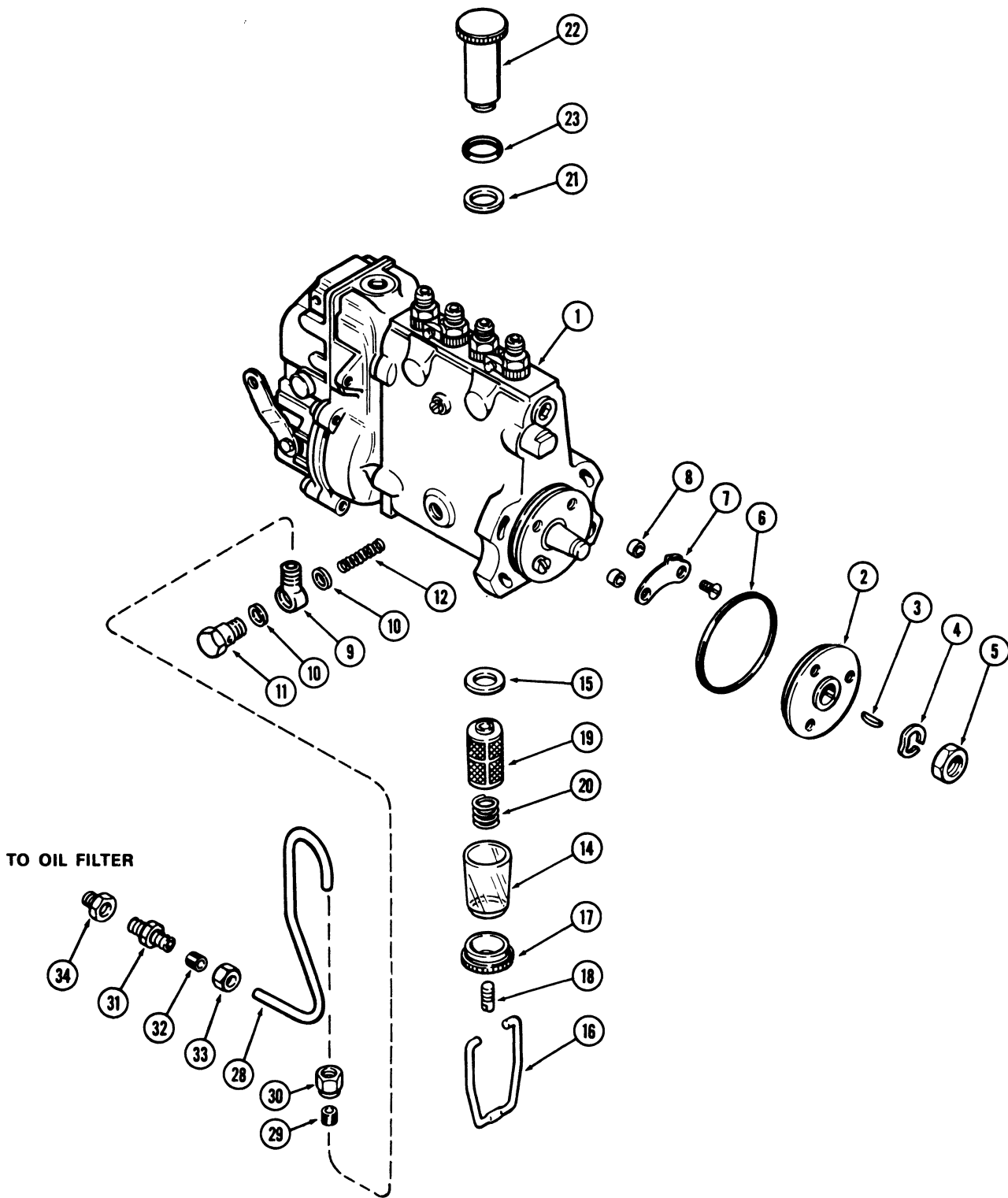


TO OIL FILTER



**A138012 INJECTION PUMP
336BD DIESEL ENGINE
WITH LUBE TUBE ON OUTSIDE OF PUMP**

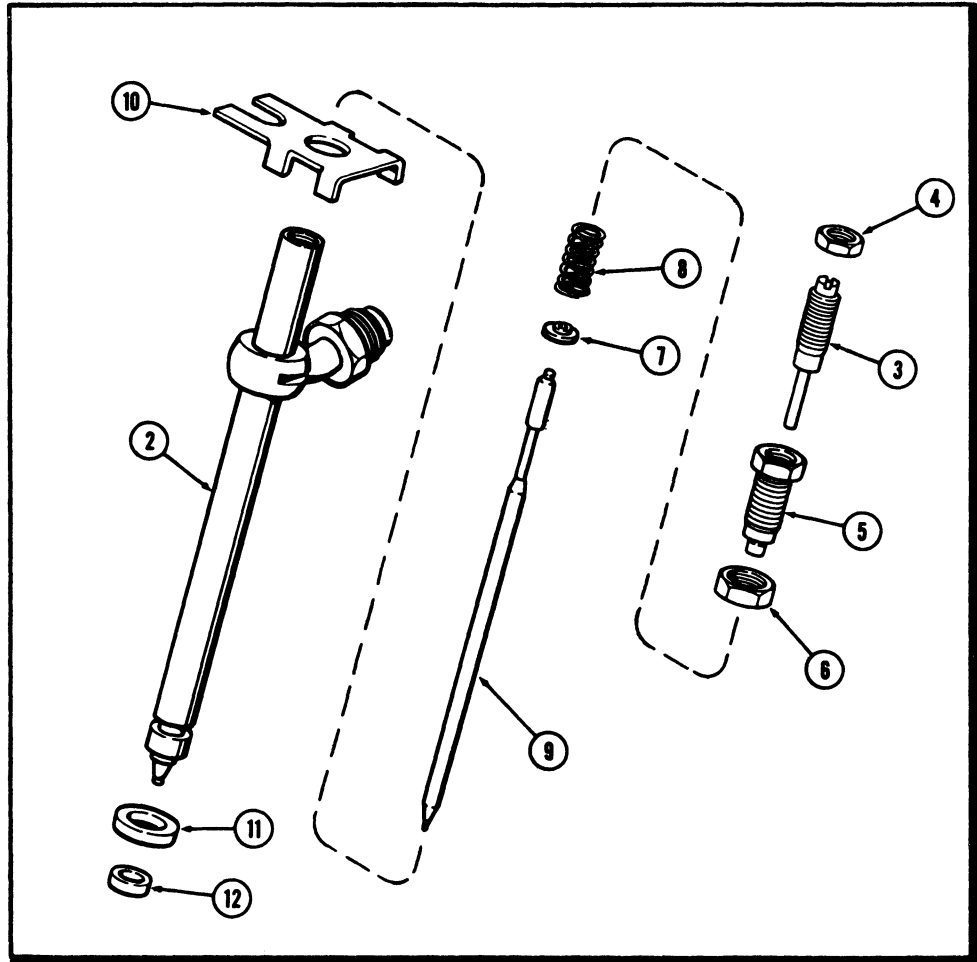
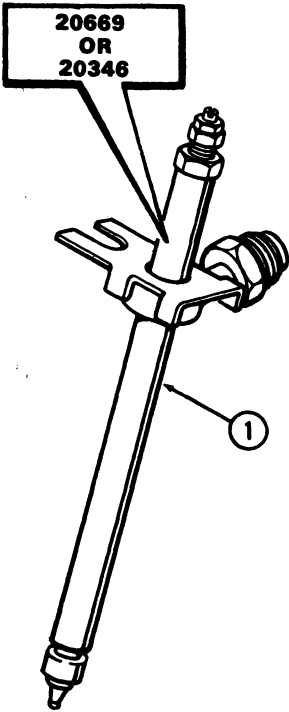
REF.	PART NO.	DESCRIPTION	REQ'D
1	A 138012	PUMP ASSY. - fuel injection	1
2	A 41853	HUB - pump drive	1
3	A 41855	SPACER - hub	2
4	A 42312	WASHER - lock, hub nut	1
5	A 42313	NUT - hub retaining	1
6	A 20933	KEY - hub to shaft	1
7	A 41854	POINTER - hub timing	1
8	A 41856	O-RING - (2-15/16 x 3-3/16 x 1/8")	1
12	A 43347	BOWL - filter (glass)	1
13	A 43346	GASKET - filter bowl	1
14	A 43350	BAIL - bowl hanger	1
15	A 43348	BAILNUT - bowl hanger	1
16	A 43349	STUD - bailnut lock & adjustment	1
17	A 43344	ELEMENT - filter	1
18	A 43345	SPRING - element	1
19	A 43343	PRIMER ASSY. - hand pump	1
20	A 45342	GASKET - hand pump	1
21	A 43351	SEAL - hand pump (copper)	1
25	222- 42	ELBOW ASSY. - (at pump)	1
26	222- 102	SLEEVE - (for 1/4" tube)	1
27	222- 112	NUT - (for 1/4" tube)	1
28	A 136902	TUBE - pump to oil filter	1
29	222- 23	CONNECTOR ASSY. - (at oil filter base)	1
30	222- 102	SLEEVE - (for 1/4" tube)	1
31	222- 112	NUT - (for 1/4" tube)	1
32	221- 86	BUSHING - reducing (1/4" P.T. to 3/8" P.T.)	1



**A64993 INJECTION PUMP
336BD DIESEL ENGINE
WITH LUBE TUBE ON ENGINE SIDE OF PUMP**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 64993	PUMP ASSY. - fuel injection (See Note)	1
2	A 41853	HUB - pump drive	1
3	A 20933	KEY - hub to shaft	1
4	A 42312	WASHER - lock, hub	1
5	A 42313	NUT - hub retaining	1
6	A 41856	O-RING - pump sealing (2-15/16 x 3-3/16 x 1/8")	1
7	A 41854	POINTER - hub adjustment	1
8	A 41855	SPACER - pointer	2
9	A 25192	BOLT - oil tube fitting	1
10	A 22381	WASHER - banjo fitting (copper)	2
11	A 25191	FITTING - banjo, oil tube	1
12	A 25190	SPRING - oil tube fitting	1
14	A 43347	BOWL - filter (glass)	1
15	A 43346	GASKET - bowl	1
16	A 43350	BAIL - bowl	1
17	A 43348	BAILNUT - bowl retaining	1
18	A 43349	STUD - bailnut lock	1
19	A 43344	ELEMENT - filter	1
20	A 43345	SPRING - element tension	1
21	A 43351	SEAL - port (copper)	1
22	A 43343	PRIMER ASSY. - hand pump	1
23	A 45342	GASKET - hand primer (Replaces A44761)	1
28	A 58775	TUBE - oil filter to injection pump	1
29	222- 102	SLEEVE - (for 1/4" tube)	1
30	222- 112	NUT - (for 1/4" tube)	1
31	222- 23	CONNECTOR ASSY. - oil tube (at oil filter base)	1
32	222- 102	SLEEVE - (for 1/4" tube)	1
33	222- 112	NUT - (for 1/4" tube)	1
34	221- 86	BUSHING - reducer (3/8" P.T. to 1/4" P.T.)	1

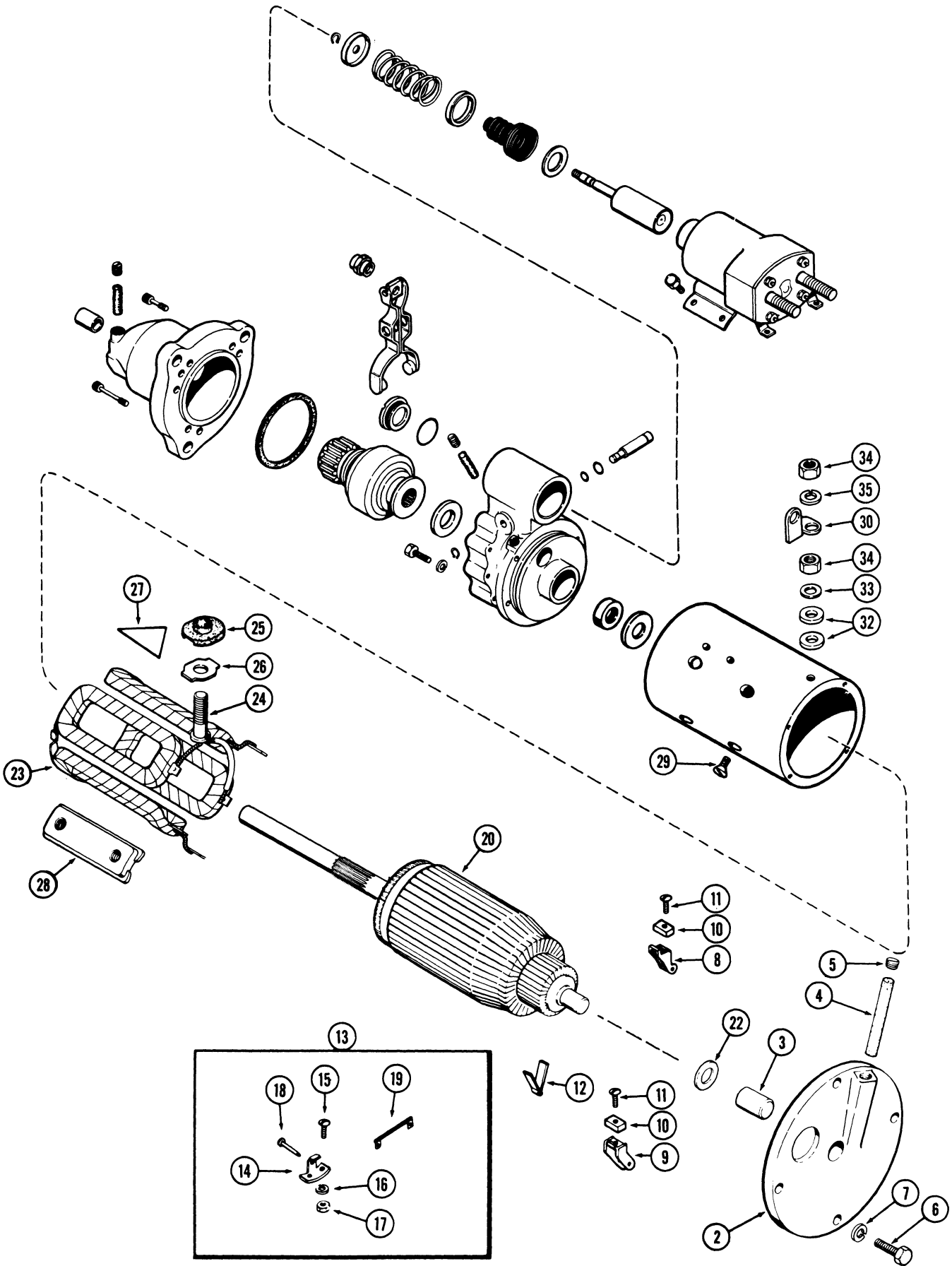
NOTE: PRIOR TO ENGINE SERIAL NO. 2569948 FUEL INJECTION PUMPS DID NOT HAVE A HAND PRIMER. USE A64993 FOR REPAIRS.



**INJECTOR NOZZLES
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 140830	NOZZLE ASSY. - injector (See Note) (Stamped 20669 on body)(Blue & Yellow color code) (1st used eng. ser. no. 2581421)	4
1	A 64439	NOZZLE ASSY. - injector (Order A140830) (Stamped 20346 on body)(Yellow & Blue color code) (Used prior to eng. ser. no. 2581421)	4
2	NSS	BODY - nozzle	1
3	A 43599	SCREW - lift adjusting	1
4	A 43602	NUT - lock, lift adjusting screw	1
5	A 43600	SCREW - pressure adjusting	1
6	A 42424	NUT - lock, pressure adjusting screw	1
7	A 44369	SEAT - spring	1
8	A 43733	SPRING - pressure adj. (9/16" free length)(Red color code)	1
9	NSS	VALVE - nozzle	1
10	A 41768	PLATE - nozzle locating	1
11	A 41403	WASHER - nozzle (3/8 x 9/16 x 1/16")	1
12	A 41402	SEAL - carbon stop (5/16 x 3/8 x 1/8")	1

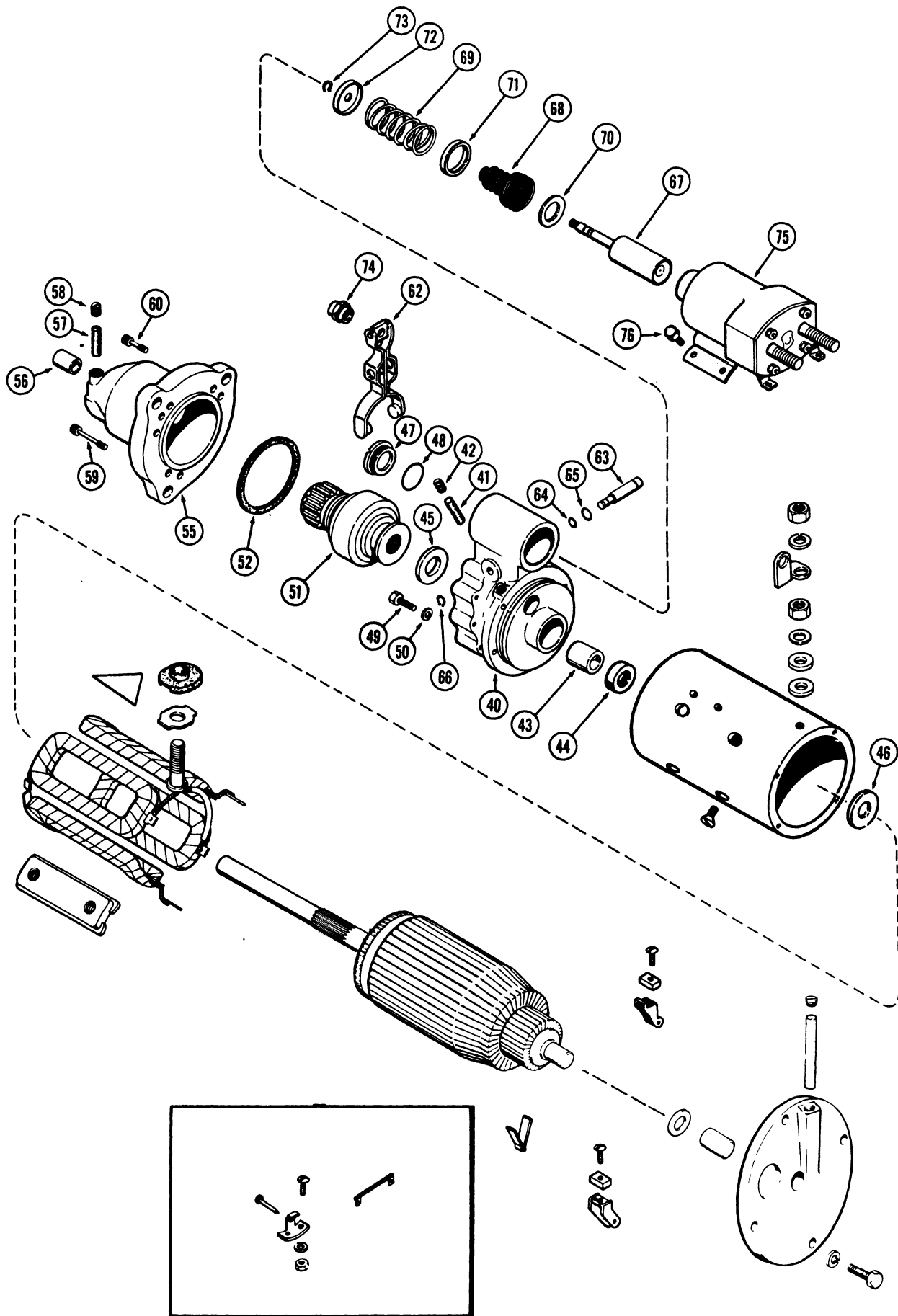
NOTE: WHENEVER NOZZLE IS REMOVED FROM HEAD, A41402 SEAL & A41403 WASHER MUST BE REPLACED BEFORE NOZZLE IS INSTALLED BACK IN HEAD.



R26136 STARTER 336BD DIESEL ENGINE

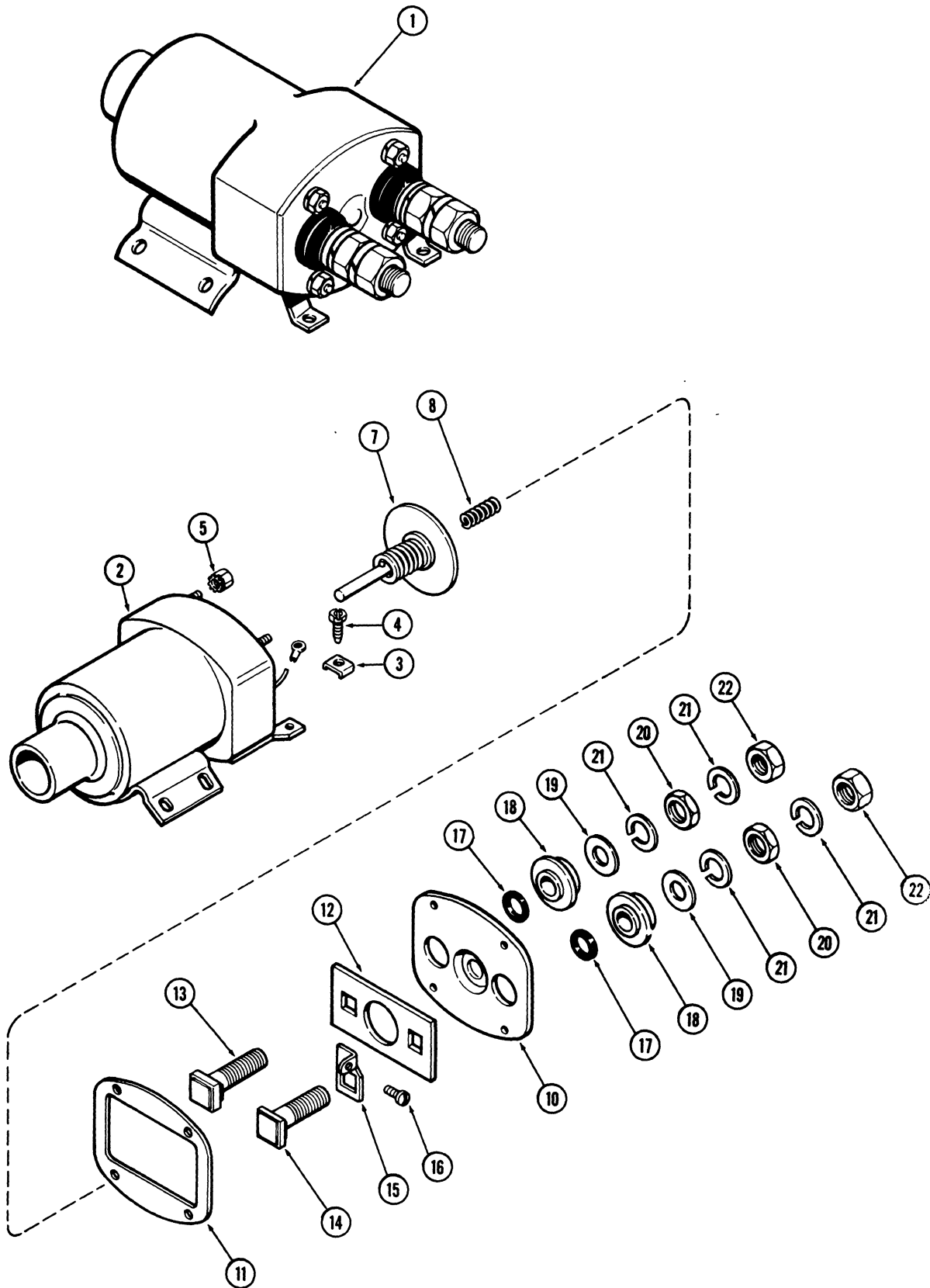
REF.	PART NO.	DESCRIPTION	REQ'D
	R 26136	STARTER ASSY. - (Delco-Remy #1113403)	1
2	A 43861	FRAME ASSY. - commutator end	1
3	A 42323	BUSHING - shaft (9/16 x 11/16 x 25/32")	1
4	R 15023	WICK - oil	1
5	221- 1849	PLUG - (1/8" P.T., sckt. hd.)	1
6	114- 1	BOLT - (1/4 x 1" N.F. hex.)	4
7	192- 19	WASHER - 1/4" lock	4
8	R 21590	HOLDER - brush, insulated	2
9	A 40217	HOLDER - brush, grounded	2
10	R 15024	BRUSH	4
11	D 32481	SCREW - brush (#8-32 x 13/16" self tapping)	4
12	R 15025	SPRING - brush tension	2
13	R 15029	BRUSH SUPPORT KIT	2
14	NSS	SUPPORT - (Order R15029)	1
15	175- 449	SCREW - support (#10 x 3/4" N.F., truss hd.)	2
16	192- 18	WASHER - #10 lock	2
17	129- 17	NUT - #10 N.F. hex. (Replaces R15032)	2
18	R 15035	PIN - brush holder	1
19	R 15030	LEAD - brush	1
20	A 40909	ARMATURE	1
22	A 41917	WASHER - thrust, comm. end (9/16 x 1 x 1/16")	1
23	A 43860	COIL ASSY. - field	1
24	A 40896	STUD - field terminal	1
	A 41925	BUSHING ASSY. - inner, terminal insulating	1
25	NSS	INSULATOR - field coil stud, inner	1
26	NSS	SUPPORT - stud insulator	1
27	A 41977	INSULATOR - field coil	1
28	R 15115	SHOE - pole	4
29	A 42127	SCREW - pole shoes (3/8 x 5/8" N.F., flat sltd. hd)	8
30	A 40894	CONNECTOR - field terminal to solenoid	1
32	D 30005	INSULATOR - field stud, outer (1/2 x 1 x 3/32")	2
33	D 30006	WASHER - terminal stud (1/2 x 7/8 x 1/32")	1
34	129- 145	NUT - terminal stud (1/2" N.C. hex.)	2
35	192- 113	WASHER - 1/2" lock	1

CONTINUED ON PAGE 49



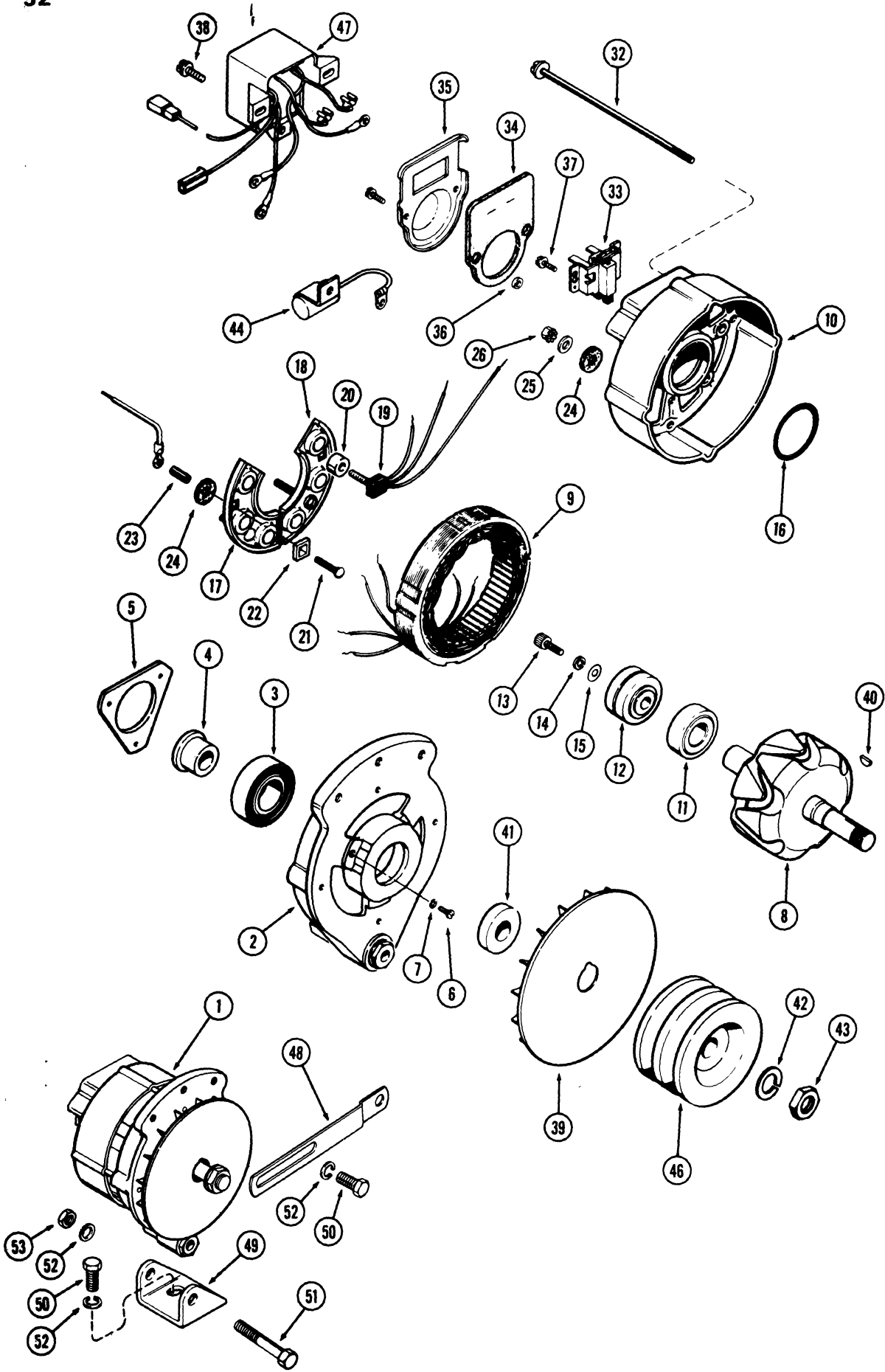
**R26136 STARTER
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
	R 26136	STARTER ASSY. - (Continued from Page 47)	1
40	R 21579	HOUSING ASSY. - shift lever	1
41	R 15023	WICK - oil	1
42	221- 1041	PLUG - (1/8" P.T., sltd. hd.)	1
43	R 21580	BUSHING - (13/16 x 1 x 1-1/4")	1
44	R 21582	SEAL - oil (13/16 x 1-3/8 x 3/8")	1
45	R 15145	WASHER - brake (7/16 x 1-7/8 x 3/16")	1
46	A 40892	WASHER - thrust, drive end (7/16 x 1-3/4 x 3/16")	1
47	R 21587	PLUG - housing	1
48	A 41924	GASKET - plug	1
49	114- 1	BOLT - housing to frame (1/4 x 1" N.F. hex.)	5
50	192- 19	WASHER - 1/4" lock	5
51	A 42397	DRIVE ASSY. - starter pinion	1
52	R 21562	GASKET - drive housing to drive end	1
55	A 44340	HOUSING ASSY. - drive end	1
56	A 40893	BUSHING - (5/8 x 3/4 x 3/4")	1
57	R 15023	WICK - oil	1
58	221- 1041	PLUG - (1/8" P.T., sltd. hd.)	1
59	D 32488	SCREW - housing (5/16 x 1-1/2" N.C., sckt. hd.)	1
60	D 32489	SCREW - housing (5/16 x 7/8" N.C., sckt. hd.)	1
62	D 32547	LEVER - shift control	1
63	A 42199	SHAFT - pivot, shift lever	1
64	R 21574	O-RING - shaft (1/4 x 3/8 x 1/16")	1
65	R 21573	O-RING - shaft (3/8 x 1/2 x 1/16")	1
66	G 46146	RING - snap, shaft retaining	1
67	A 42309	PLUNGER - solenoid	1
68	A 42308	BOOT - plunger (rubber)	1
69	A 41242	SPRING - plunger return	1
70	A 41922	WASHER - spring seat (13/16 x 1-3/8 x 1/32")	1
71	A 43380	RETAINER - plunger spring, inner (1-3/16" hole)	1
72	A 43419	RETAINER - plunger spring, outer (3/8" hole)	1
73	G 46146	RING - snap, retainer to plunger	1
74	A 43856	NUT - plunger to lever (5/16" N.F. special)	1
75	A 42376	SOLENOID ASSY. - (See Page 51)	1
76	R 15159	SCREW - solenoid mtg. (1/4 x 3/8" N.F. hex.)	4



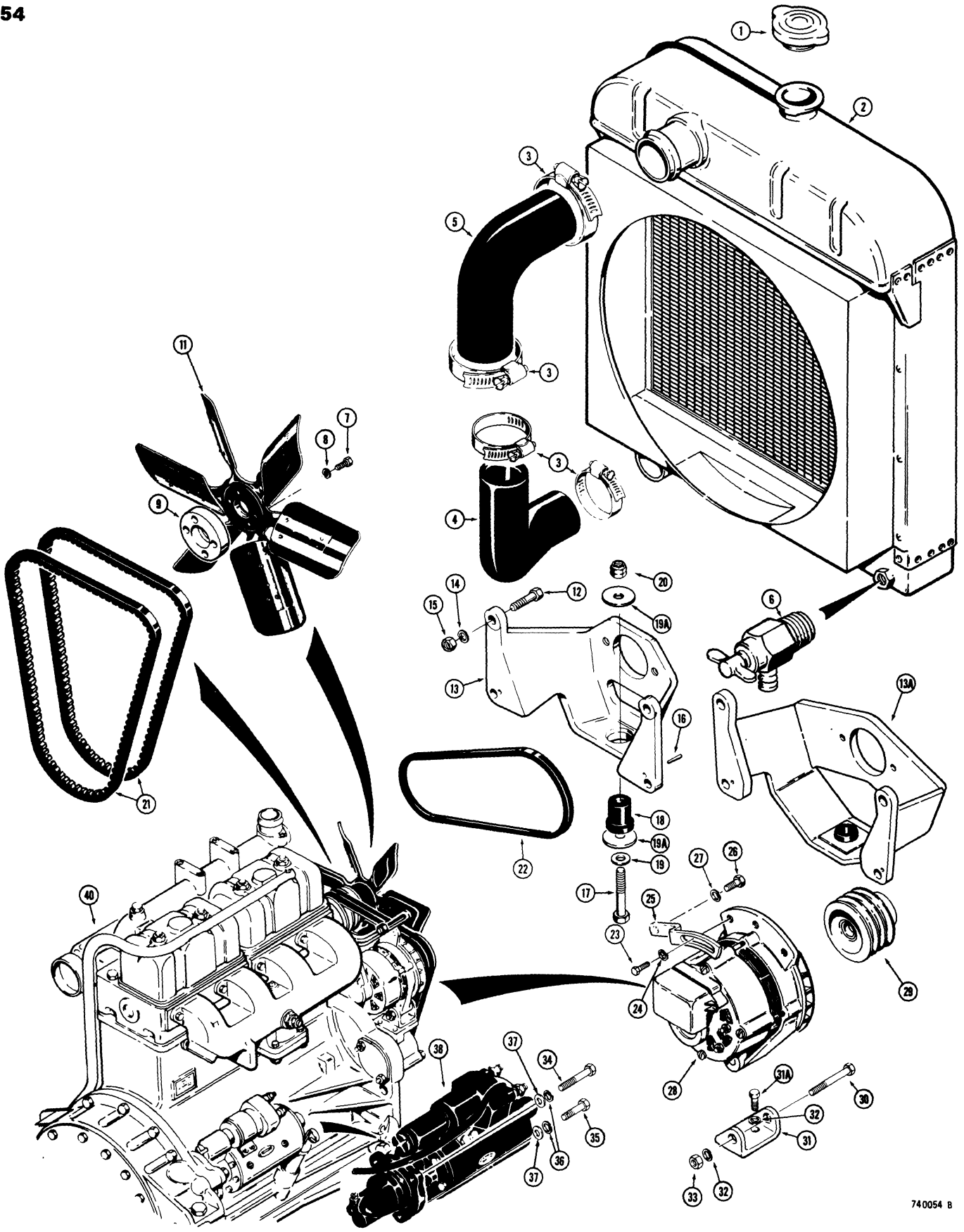
**A42376 SOLENOID
336BD DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 42376	SOLENOID ASSY. - (Delco-Remy #1119848)	1
2	NSS	CASE ASSY. - w/coil	1
3	A 42407	CLAMP - terminal	1
4	D 32502	SCREW - terminal clamp	2
5	D 32500	NUT ASSY. - w/skpf. washer	4
7	D 32498	DISC ASSY. - contact	1
8	A 42411	SPRING - return, contact disc	1
	A 42412	PLATE ASSY.	1
10	A 42410	PLATE - terminals & case cover	1
11	A 42260	GASKET - terminal plate to case	1
12	D 32507	INSULATOR - terminal plate	1
13	A 42413	STUD - battery term. (1-21/32" thread length)	1
14	D 32506	STUD - starter term. (1-13/16" thread length)	1
15	D 29910	TERMINAL - coil lead (Replaces A42406)	1
16	175- 56	SCREW - coil lead (#6-32 x 3/16" truss hd.)	1
17	D 32510	BUSHING - terminal plate insulators	2
18	A 43701	BUSHING - terminal studs insulators (Replaces A42409)	2
19	D 30004	WASHER - insulating, terminal studs (1/2 x 1-3/16" x 3/32")	2
20	129- 145	NUT - terminal studs (1/2" N.C. hex., jam)	2
21	192- 113	WASHER - terminal studs (1/2" lock)	4
22	129- 105	NUT - terminal studs (1/2" N.C. hex)	2



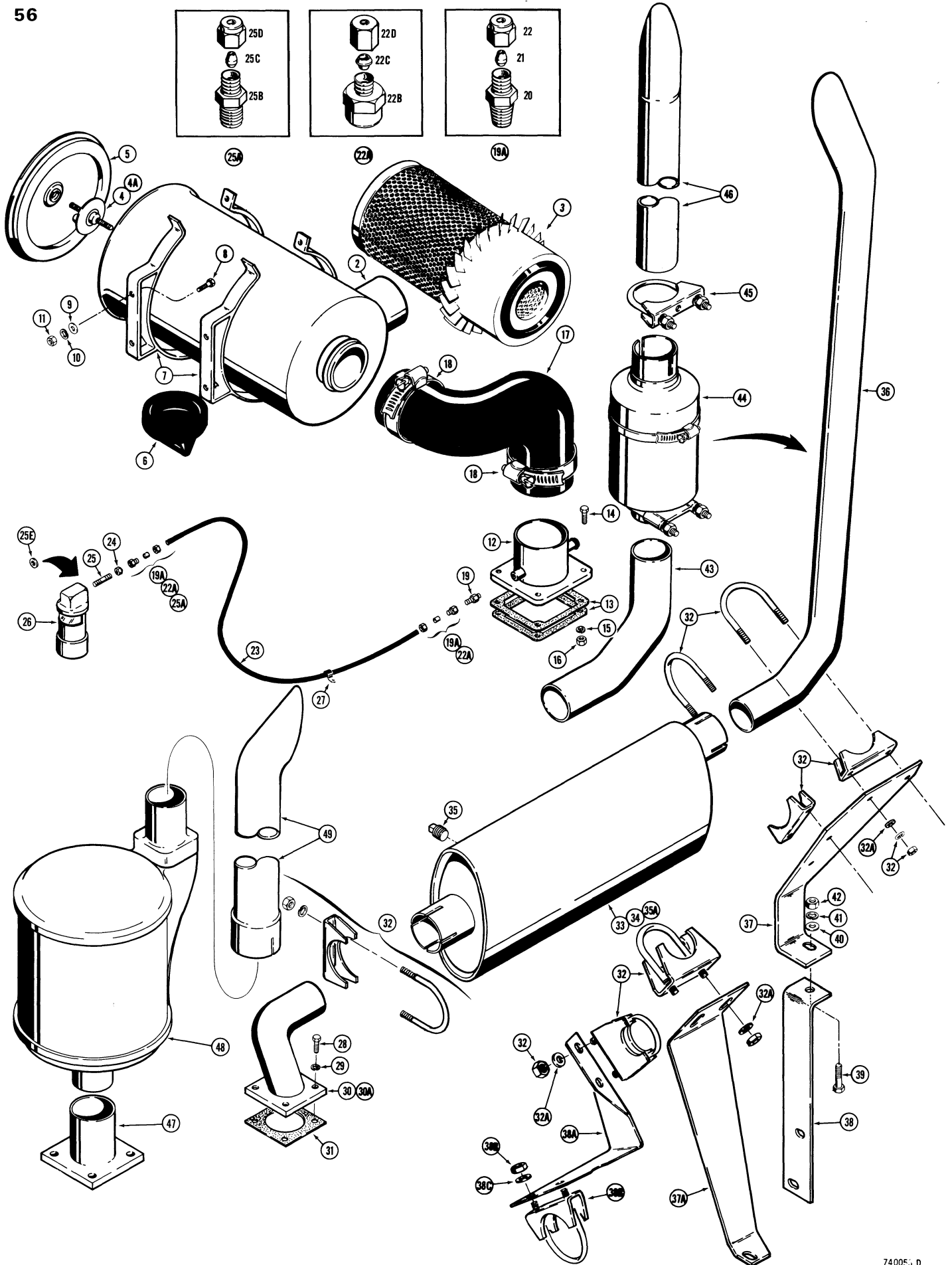
ALTERNATOR

REF.	PART NO.	DESCRIPTION	REQ'D
L	74747	ALTERNATOR ASSY. - (Production only)(24 volt) Motorola #8HC3006F) (Order 1-A44798 alternator, 1-A41361 pulley and 1 vol. regulator from Page 77)	1
1	A 44798	ALTERNATOR ASSY. - (Repairs Only)	1
2	A 44774	HOUSING - front	1
3	A 42075	BEARING - housing, front (1 x 2 x 9/16")	1
4	A 41052	SLEEVE - bearing pilot	1
5	A 43280	RETAINER - front bearing	1
6	169- 146	SCREW - front retainer (#8-32 x 3/8" sltd. hd.)	3
7	192- 16	WASHER - #8 lock	3
8	A 44775	ROTOR	1
9	A 44672	STATOR	1
10	A 44776	HOUSING - rear	1
11	A 42810	BEARING - housing, rear	1
12	A 44581	RING - slip (Order A44580)	1
13	163- 4	SCREW - slip ring (1 x 5/8" 12 pt. sckt. hd.)	1
14	192- 18	WASHER - #10 lock	1
15	A 44788	WASHER - slip ring	1
16	A 42806	O-RING - rear brg. retainer (1-1/2 x 1-3/4 x 1/8")	1
17	A 44777	DIODE ASSY. - negative	1
18	A 44778	DIODE ASSY. - positive	1
19	A 45253	DIODE ASSY. - trio	1
20	A 45254	SPACER - trio diode	1
21	A 41436	STUD - (#10 x 1-1/2" N.C., carr. hd.)	1
22	A 41041	INSULATOR - diode stud	1
23	A 44771	SLEEVE - insulator (1/4 x 5/16 x 1/2")	1
23	A 44782	SLEEVE - insulator (3/16 x 1/4 x 3/8")	2
24	A 44763	WASHER - insulating (1/4 x 3/4 x 1/16")	2
24	A 41038	WASHER - insulating (3/16 x 3/4 x 1/16")	4
25	A 44789	WASHER - 3/8 x 3/16"	4
26	A 41060	NUT - #10-24 hex., w/skpf. washer	4
32	A 44423	BOLT - thru (#10 N.F. x 3-1/8")	4
33	A 44779	BRUSH ASSY. - w/holder	1
34	A 44781	GASKET - brush cover (felt)	1
35	A 44785	COVER - brush	1
36	A 44784	SPACER - brush cover (3/16 x 9/32 x 1/16")	2
37	182- 519	SCREW - brush holder	2
38	187- 1089	SCREW - regulator (#8-32 x 3/4" sltd. hd.)	1
39	A 42431	FAN	1
40	126- 111	KEY - fan and pulley (#5 Woodruff)	1
41	A 42432	SPACER - fan (5/8 x 1-3/8 x 11/32")	1
42	192- 25	WASHER - 5/8" lock	1
43	A 41035	NUT - pulley retaining (5/8" N.F. hex.)	1
44	A 44770	CAPACITOR - (condenser)	1
46	A 41361	PULLEY - alternator	1
47	REF.	REGULATOR ASSY. - voltage (See Page 77)	1
48	A 62429	STRAP - alternator adjusting	1
49	A 38492	BRACKET - alternator mounting	1
50	13- 616	BOLT - brkt. and strap (3/8 x 1" N.C. hex.)	3
51	13- 652	BOLT - alt. to brkt. (3/8 x 3-1/4" N.C. hex.)	1
52	92- 6	WASHER - 3/8" lock	4
53	25- 106	NUT - 3/8" N.C. hex	1



RADIATOR, ENGINE AND RELATED PARTS

REF.	PART NO.	DESCRIPTION	REQ'D
1	D 25826	CAP - radiator, 7 PSI (48 kPa)	1
2	L 72507	RADIATOR - engine and hydraulic oil cooling, includes item 6	1
3	214- 262	CLAMP - radiator hose	4
4	L 55764	HOSE - radiator, lower	1
5	L 55524	HOSE - radiator, upper	1
6	A 23655	VALVE - radiator drain, included in L 72507 radiator	1
7	13- 628	HHCS - 3/8" - 16 NC x 1-3/4"	4
8	92- 6	WASHER - lock, 3/8"	4
9	A 61283	SPACER - fan	1
10		RESERVED	
11	A 15519	FAN - suction	1
11	L 73972	FAN - pusher, not shown	1
12	13- 1248	HHCS - 3/4" - 10 NC x 3"	4
13	L 50435	BRACKET - engine, order L78158 bracket, includes item 18	1
13A	L 78158	BRACKET - engine, includes item 18	1
14	92- 12	WASHER - lock, 3/4"	4
15	25- 1012	NUT - hex, 3/4" - 10 NC	4
16	139- 64	PIN - taper, #5 x 1-1/2"	2
17	13- 1264	HHCS - 3/4" - 10 NC x 4"	1
18	L 79179	CUSHION - rubber mount	1
19	L 74506	WASHER - flat, 3/4", hardened	1
19A	A 19068	WASHER - special, 3/4"	2
20	131- 1205	NUT - hex, lock, 3/4" - 10 NC	1
21	A 59296	BELTS - matched set, fan and alternator drive	1
22	L 55580	BELT - brake air compressor drive, before tractor sn. 9121647	1
22	L 72739	BELT - brake air compressor drive, tractor sn. 9121647 and after	1
23	13- 512	HHCS - 5/16" - 18 NC x 3/4", adjusting strap	1
24	92- 5	WASHER - lock, 5/16"	1
25	A 62429	STRAP - alternator belt adjusting	1
26	13- 616	HHCS - 3/8" - 16 NC x 1", strap mounting	1
27	92- 6	WASHER - lock, 3/8"	1
28	REF.	ALTERNATOR - electrical, parts list page 53	1
29	A 41361	PULLEY - alternator	1
30	13- 652	HHCS- 3/8" - 16 NC x 3-1/4"	1
31	A 38492	BRACKET - alternator mounting	1
31A	13- 616	HHCS - 3/8" - 16 NC x 1"	2
32	92- 6	WASHER - lock, 3/8"	3
33	25- 106	NUT - hex, 3/8" - 16 NC	1
34	13- 848	HHCS - 1/2" - 13 NC x 3"	1
35	13- 824	HHCS - 1/2" - 13 NC x 1-1/2"	2
36	92- 8	WASHER - lock, 1/2"	3
37	R 24323	WASHER - special, starter mounting	3
38	REF.	STARTER - electrical, parts list page 47- 51	1
39		RESERVED	
40	REF.	ENGINE - tractor, parts list pages 9 thru 45	1

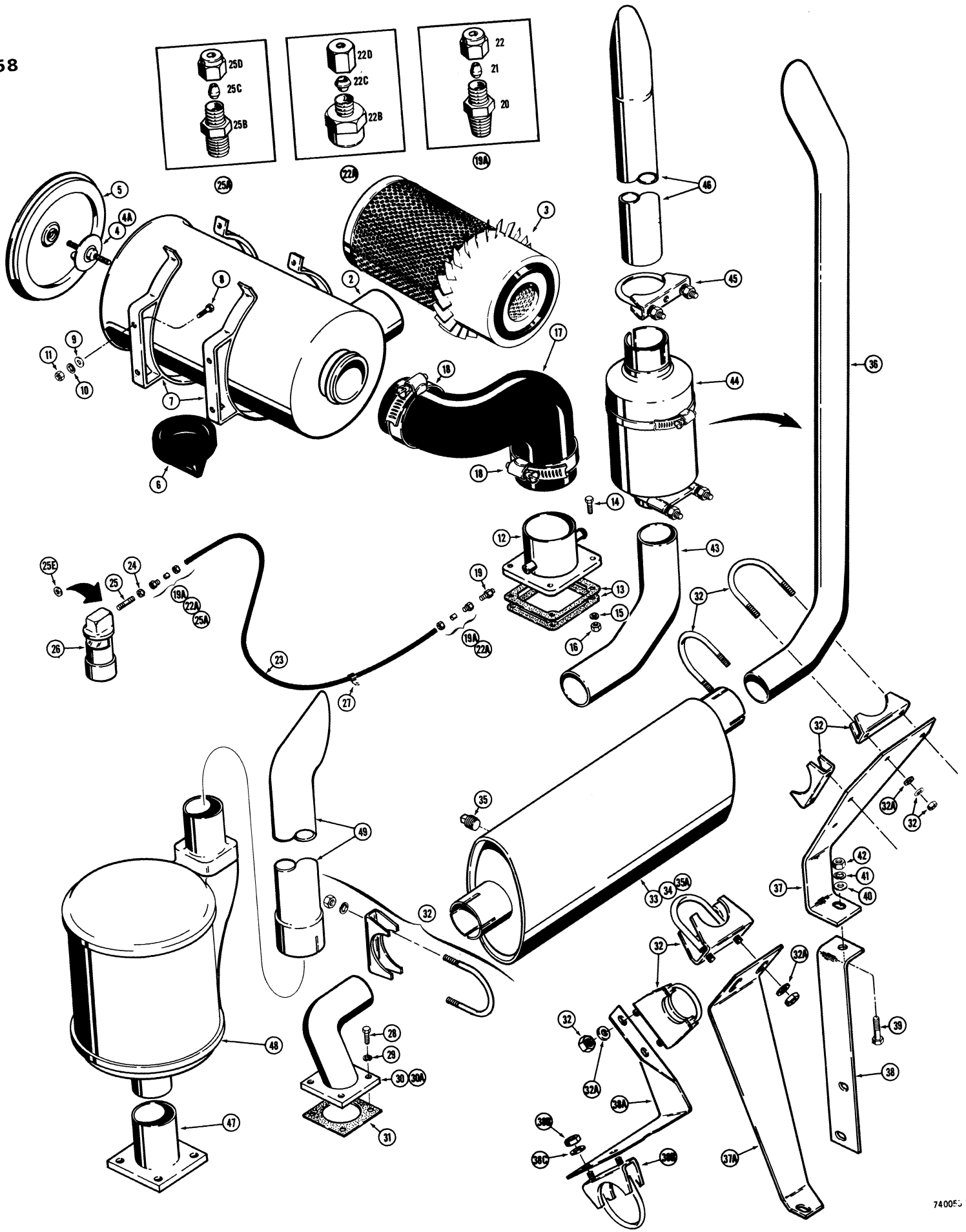


AIR CLEANER AND MUFFLER

REF.	PART NO.	DESCRIPTION	REQ'D
1	L 55408	AIR CLEANER - dry type, not illustrated assembled	1
2	NSS	BODY - air cleaner	1
3	L 35975	ELEMENT - air cleaner	1
4	E 73655	BOLT - retainer, element	1
4A	L 36187	WASHER - sealing, retainer bolt	1
5	L 35976	COVER - air cleaner element	1
6	D 71455	VALVE - vacuater	1
7	70973	BAND - mounting, air cleaner	2
8	13- 512	HHCS - 5/16" - 18 NC x 3/4"	4
9	95- 5	WASHER - flat, 5/16"	4
10	92- 5	WASHER - lock, 5/16"	4
11	25- 105	NUT - hex, 5/16" - 18 NC	4
12	L 55258	ADAPTER - air cleaner to manifold, used before tractor sn. 9121647	1
12	L 73780	ADAPTER - air cleaner to manifold, used on tractor sn. 9121647 and after	1
13	A 58910	GASKET - adapter to manifold	2
14	13- 628	HHCS - 3/8" - 16 NC x 1-3/4"	4
15	92- 6	WASHER - lock, 3/8"	4
16	25- 106	NUT - hex, 3/8" - 16 NC	4
17	*L 55254	HOSE - air cleaner	1-2
18	214- 264	CLAMP - hose	2-3
19	D 36264	FITTING - special, filter type	1
19A	222- 681	FITTING ASSEMBLY - tube, for service order 222-5131 connector	2
20	NSS	FITTING - body	1
21	222- 650	SLEEVE - compression	1
22	222- 660	NUT - tube	1
22A	222- 5131	FITTING ASSEMBLY - tube	1-2
22B	NSS	FITTING - body, order 222-5131	1
22C	NSS	SLEEVE - compression, order 222-5131	1
22D	NSS	NUT - tube, order 222-5131	1
23	D 36961	TUBE - gauge to air intake tube	1
24	L 13268	NUT - lock, nipple retaining, used before tractor sn. 9122224	1
25	L 13267	NIPPLE - gauge to coupling, used before tractor sn. 9122224	1
25A	222- 600	FITTING ASSEMBLY - at gauge, used on tractor sn. 9122224 and after	1
25B	NSS	FITTING - body	1
25C	222- 650	SLEEVE - compression	1
25D	222- 660	NUT - tube	1
25E	195- 26	WASHER - used with 222-600 fitting only	1
26	A 17652	GAUGE - air cleaner restriction	1
27	49851	CLAMP - to hood bracket, if used	1

Continued on next page

***NOTE:** On tractors with extra parts added for noise reduction, two L55254 hoses are used. One is used as illustrated, and the other is used to extend the air intake opening on the air cleaner.



AIR CLEANER AND MUFFLER

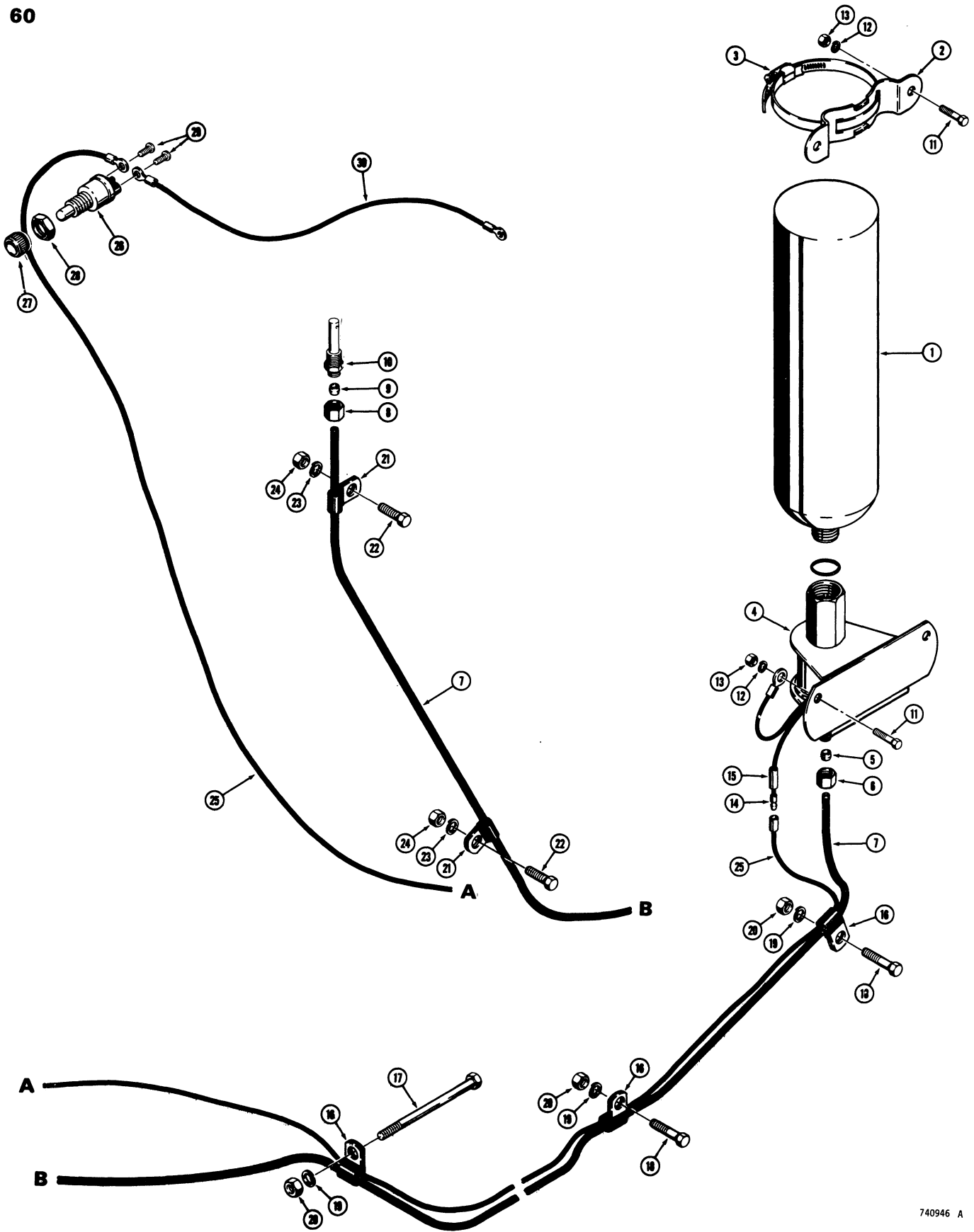
REF.	PART NO.	DESCRIPTION:	REQ'D
28	13- 616	HHCS - 3/8" - 16 NC x 1"	4
29	92- 6	WASHER - lock, 3/8"	4
30	L 57839	ADAPTER - muffler to manifold, used before tractor sn. 9127796	1
30A	L 78911	ADAPTER - muffler to manifold, used on tractor sn. 9127796 and after	1
31	L 14218	GASKET - muffler adapter to manifold	1
32	A 13240	CLAMP - muffler to exhaust pipe and adapter	3
32A	95- 6	WASHER - flat, 5/16"	4
33	L 55720	MUFFLER - exhaust, early production, 23-3/16" (588.9 mm) long, if used	1
34	L 58969	MUFFLER - exhaust, spark arresting type, early production, 23-3/16" (588.9 mm) long, if used	1
35	217- 78	PLUG - pipe, brass, 1/2" NPT	1
35A	L 73117	MUFFLER - exhaust, late production, 22- 11/16" (576.2 mm) long	1
36	L 57841	PIPE - exhaust, standard	1
37	L 58994	PLATE - support, muffler, use before tractor sn. 9127796	1
37A	L 78909	STRAP - exhaust pipe, used on tractor sn. 9127796 and after	1
38	L 58993	STRAP - exhaust pipe, use before tractor sn. 9127796	1
38A	L 78889	BRACKET - exhaust support, used on tractor 9127796 and after	1
38B	A 56092	CLAMP - L78889 bracket to manifold, includes nuts	1
38C	92- 6	WASHER - flat, 3/8"	2
39	13- 824	HHCS - 1/2" - 13 NC x 1-1/2"	1
40	95- 8	WASHER - flat, 1/2"	1
41	92- 8	WASHER - lock, 1/2"	1
42	25- 108	NUT - hex, 1/2" - 13 NC	1

USED WITH VERTICAL SPARK ARRESTER

43	L 70064	PIPE - exhaust, lower	1
44	D 45256	ARRESTER - spark, includes one clamp	1
45	A 13240	CLAMP - arrester to pipe	1
46	L 70063	PIPE - exhaust, upper	1

USED WITH NOISE CONTROL MUFFLER

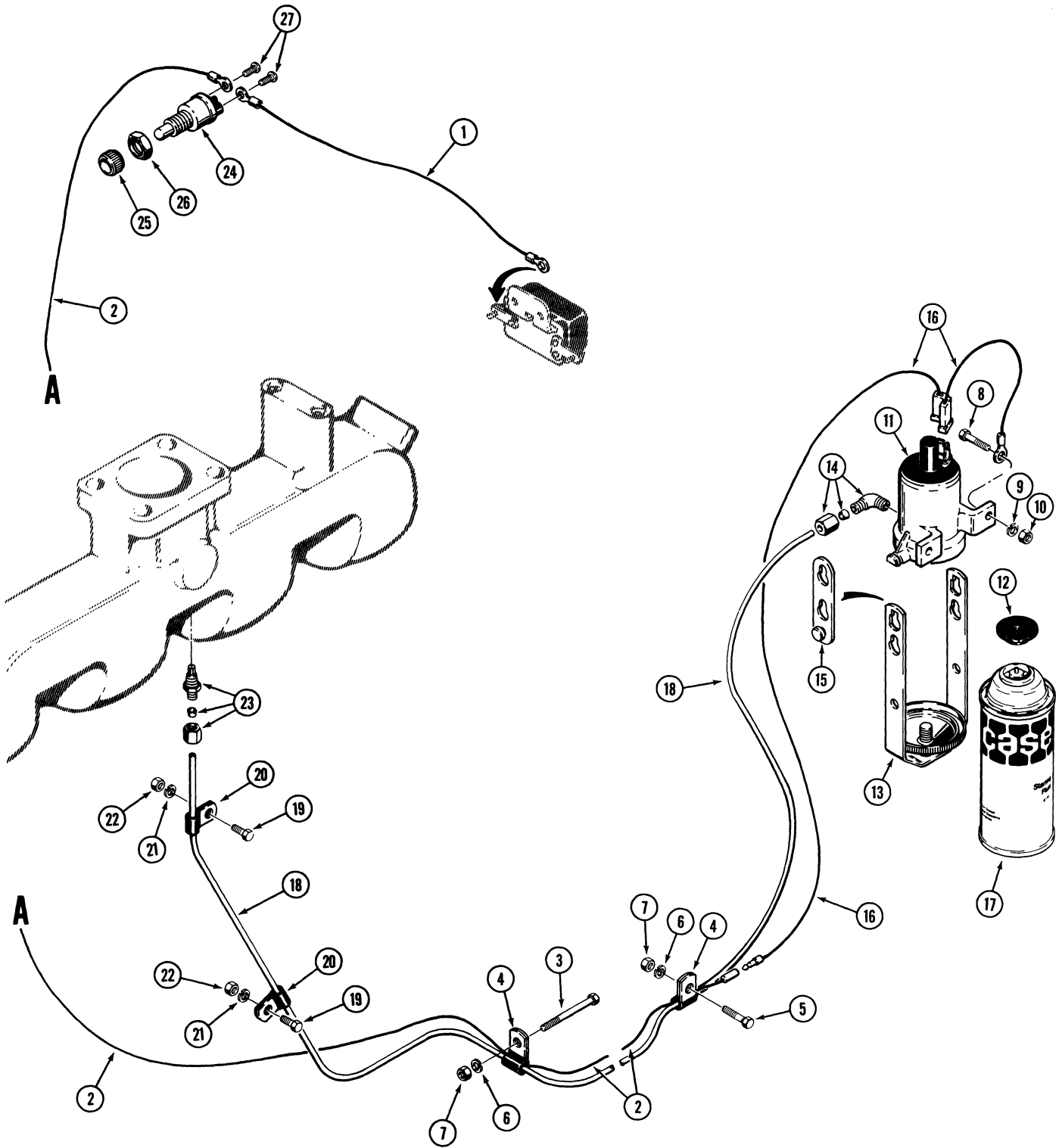
47	L 72680	ADAPTER - muffler to manifold	1
48	L 70100	MUFFLER - increased noise control	1
49	L 70511	PIPE - exhaust, used with L70100 muffler	1



COLD START SYSTEM
* EARLY PRODUCTION

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 53196	KIT - cold starting aid	1
1	D 55767	CYLINDER - ether	1
2	D 55949	BRACKET - clamp mounting	1
3	214- 262	CLAMP - tank retaining	1
4	L 35280	VALVE ASSEMBLY - actuator	1
5	222- 650	SLEEVE - compression	1
6	222- 660	NUT - tube	1
	L 35283	SEAL KIT - overhaul repair	1
	NSS	SEAL - O-ring, cylinder to valve	1
	NSS	SEAL - O-ring, armature	1
	NSS	SEAL - O-ring, retainer fitting	1
	NSS	WASHER - bumper, retainer fitting	1
7	L 35281	TUBE - nylon, 1/8" (3.1 mm) O.D. x 60" (1524 mm) long	1
8	222- 660	NUT - tube	1
9	222- 650	SLEEVE - compression	1
10	L 35282	NOZZLE - manifold	1
11	13- 416	HHCS - 1/4" - 20 NC x 3/4"	4
12	92- 4	WASHER - lock, 1/4"	4
13	25- 104	NUT - hex., 1/4" - 20 NC	4
14	L 11778	CONNECTOR - male bullet	1
15	L 11779	INSULATOR - connector tubing	1
16	49851	CLAMP - wiring	3
17	13- 656	HHCS - 3/8" - 16 NC x 3-1/2"	1
18	13- 616	HHCS - 3/8" - 16 NC x 1"	2
19	92- 6	WASHER - lock, 3/8"	3
20	25- 106	NUT - hex., 3/8" - 16 NC	3
21	49853	CLAMP - wiring	2
22	13- 612	HHCS - 3/8" - 16 NC x 3/4"	2
23	92- 6	WASHER - lock, 3/8"	2
24	25- 106	NUT - hex., 3/8" - 16 NC	2
25	L 58842	WIRE - connecting, cold start to button	1
	L 72776	SWITCH - push button, cold start	1
26	NSS	SWITCH - cold start	1
27	D 73741	NUT - face	1
28	H 275784	NUT - jam	1
29	174- 93	SCREW - terminal	2
30	L 59605	WIRE - jumper, cold start switch to buzzer terminal	1

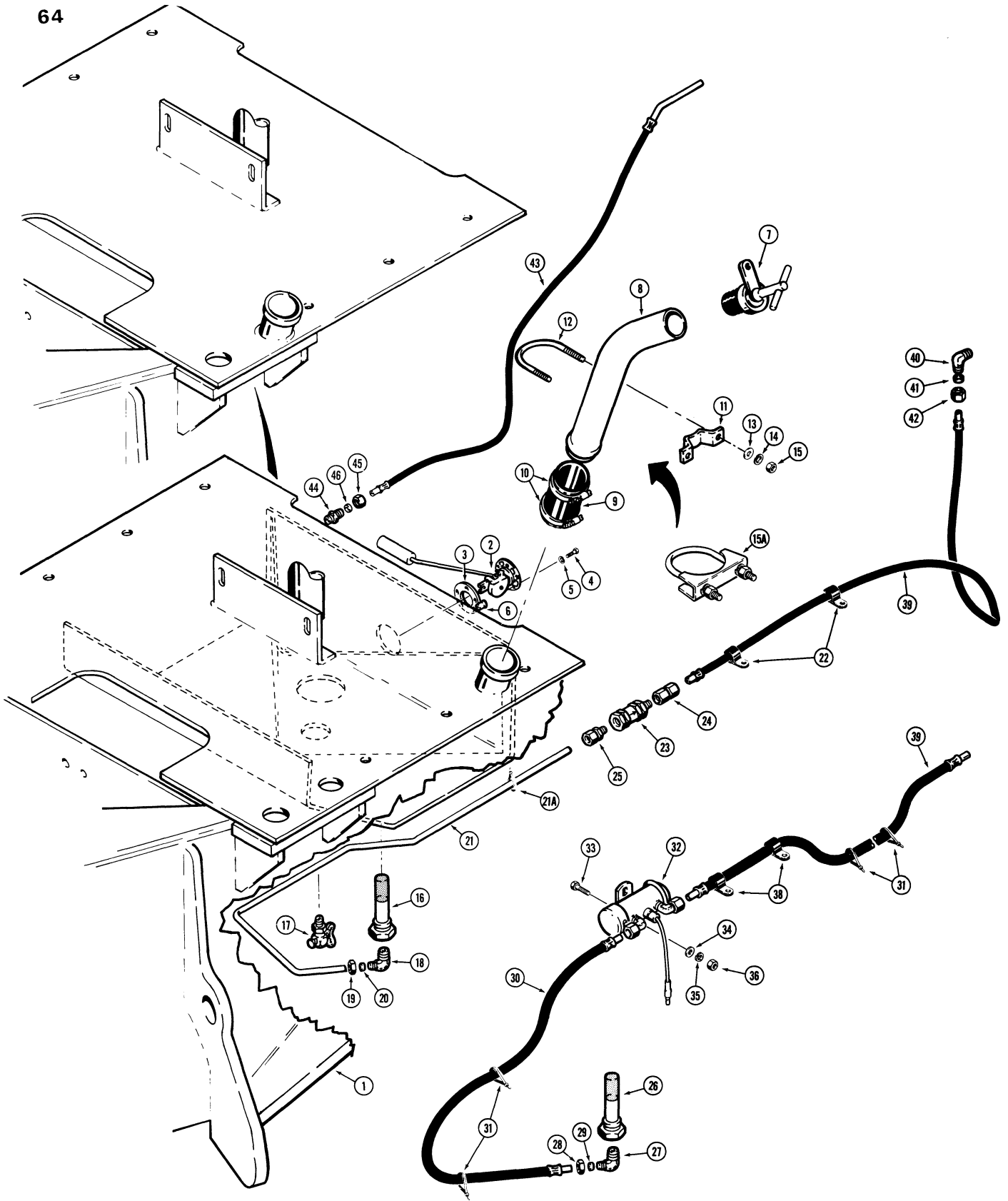
*NOTE: See page 63 for late production models.



COLD START SYSTEM
*** LATE PRODUCTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 59605	WIRE - jumper, cold start switch to buzzer	1
2	L 58842	WIRE - connecting, cold start solenoid to push button	1
3	13- 656	HHCS - 3/8" - 16 NC x 3-1/2"	1
4	49851	CLAMP - wiring	2
5	13- 616	HHCS - 3/8" - 16 NC x 1"	1
6	92- 6	WASHER - lock, 3/8"	2
7	25- 106	NUT - hex., 3/8" - 16 NC	2
8	13- 516	HHCS - 5/16" - 18 NC x 1"	2
9	92- 5	WASHER - med. sect. lock, 5/16"	2
10	25- 105	NUT - hex., 5/16" - 18 NC	2
	L 73025	SOLENOID - cold start	1
11	NSS	SOLENOID - cold start	1
12	R 30786	GASKET - solenoid	1
13	D 74444	BAIL - solenoid	1
14	222- 615	ELBOW - solenoid	1
15	R 30812	EXTENSION - bail	2
16	L 73023	WIRE - solenoid	1
17	B 17072	FLUID - starting, ether (16 oz. can)	1
18	D 35090	TUBE - cold start	1
19	13- 612	HHCS - 3/8" - 16 NC x 3/4"	2
20	49853	CLAMP - tube	2
21	92- 6	WASHER - lock, 3/8"	2
22	25- 106	NUT - hex., 3/8" - 16 NC	2
23	L 73024	NOZZLE - atomizer	1
	L 72776	SWITCH - push button, cold start	1
24	NSS	SWITCH - push button	1
25	D 73741	NUT - hex., face	1
26	H 275784	NUT - jam	1
27	174- 93	SCREW - terminal	2

* NOTE: See page 61 for early production models.



FUEL TANK AND LINES

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	CHASSIS ASSEMBLY - see page 421	1
2	L 57512	SENDING UNIT - fuel level gauge	1
3	A 11822	GASKET - sending unit to tank	1
4	163- 4	SCREW - machine, #10 - 32 NF x 5/8"	5
5	92- 3	WASHER - lock, #10	5
6	L 13194	RIVNUT - retainer, #10 - 32 NF	5
7	L 58208	CAP - fuel filler pipe, for lock up parts see page 459	1
8	L 71484	PIPE - fuel filler	1
9	L 40248	HOSE - fuel filler 2-1/2" (63.5 mm) I.D. x 4" (101.6 mm) long .	1
10	214- 263	CLAMP - hose	2
11	L 58025	BRACKET - support, filler pipe, if used	1
12	L 58024	"U" BOLT - filler pipe to bracket, if used	1
13	95- 4	WASHER - flat, 1/4"	2
14	92- 4	WASHER - lock, 1/4"	2
15	25- 104	NUT - hex., 1/4" - 20 NC	2
15A	L 73711	CLAMP - filler pipe, if used	1

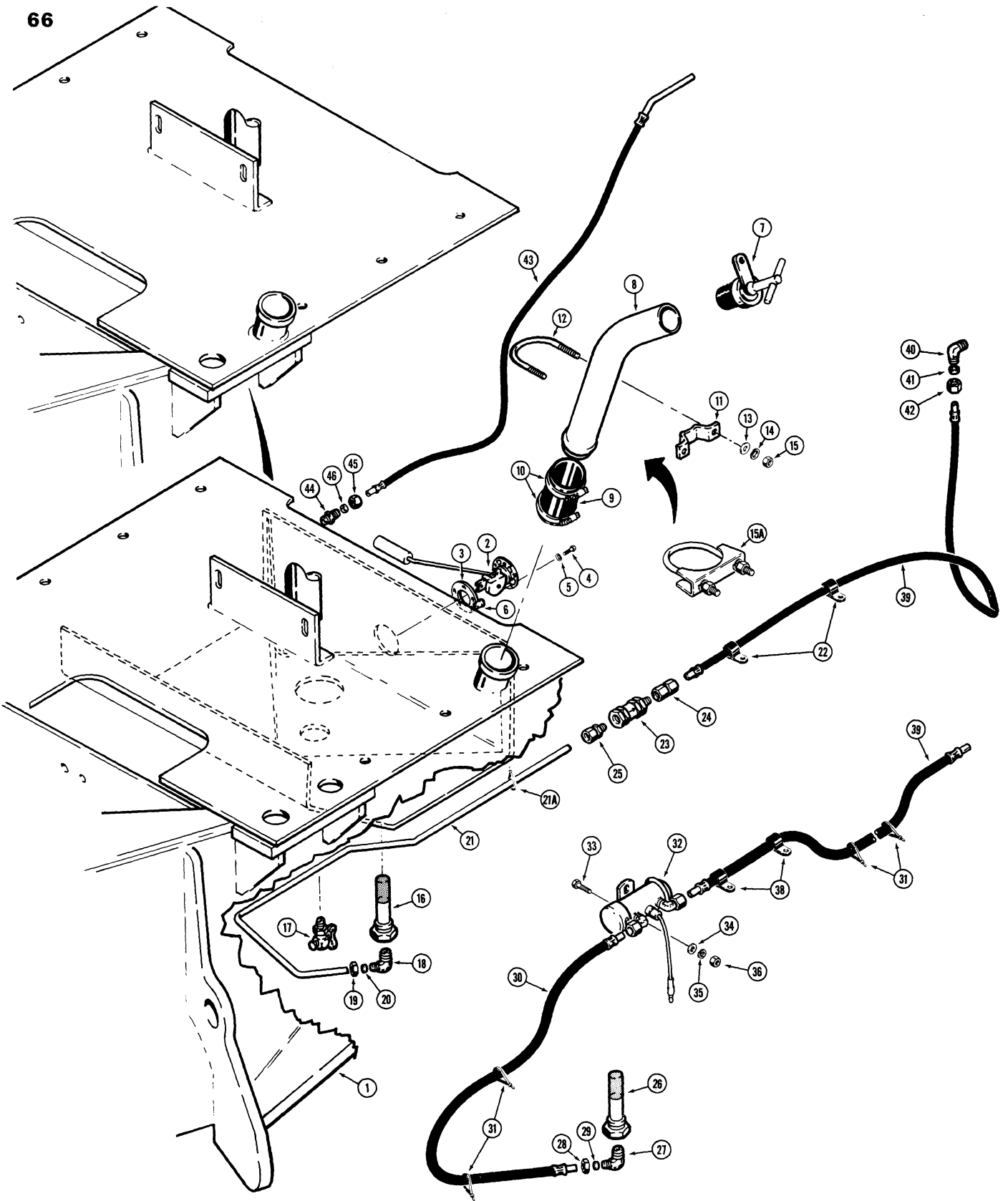
MODELS WITHOUT ELECTRIC FUEL PUMP

16	L 58022	STRAINER - fuel	1
17	A 27862	VALVE - fuel drain, if used	1
17A	221- 12	PLUG - fuel drain, if used, not shown	1
	222- 48	FITTING ASSEMBLY - hose, 90°, at tank	1
18	NSS	BODY - fitting	1
19	222- 114	NUT - fitting	1
20	222- 104	SLEEVE - fitting	1
21	L 71665	TUBE - fuel tank to pump	1
21A	L 11541	STRAP - tie, tube support	1
22	49852	CLAMP - hose	2
23	L 17627	VALVE - check	1
24	222- 14	FITTING - valve	1
25	222- 27	FITTING - valve	1

MODELS WITH ELECTRIC FUEL PUMP

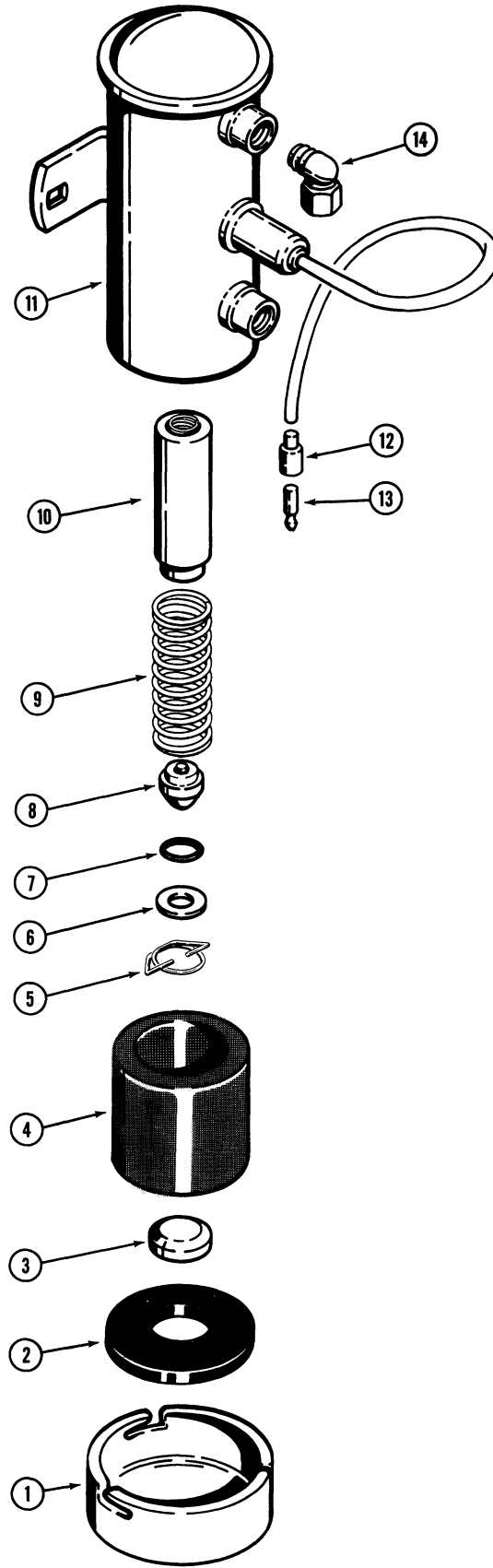
26	L 58022	STRAINER - fuel	1
	222- 48	FITTING ASSEMBLY - hose, 90°, at tank	1
27	NSS	BODY - fitting	1
28	222- 114	NUT - fitting	1
29	222- 104	SLEEVE - fitting	1
30	L 40164	HOSE - tank to pump	1
31	L 11541	TIE - hose	4
32	L 52634	PUMP - fuel, electric, parts list page 69	1
33	13- 420	HHCS - 1/4" - 20 NC x 1-1/4"	2
34	95- 4	WASHER - flat, 1/4"	2
35	92- 4	WASHER - lock, 1/4"	2
36	25- 104	NUT - hex., 1/4" - 20 NC	2
37		RESERVED	
38	49852	CLAMP - hose	2

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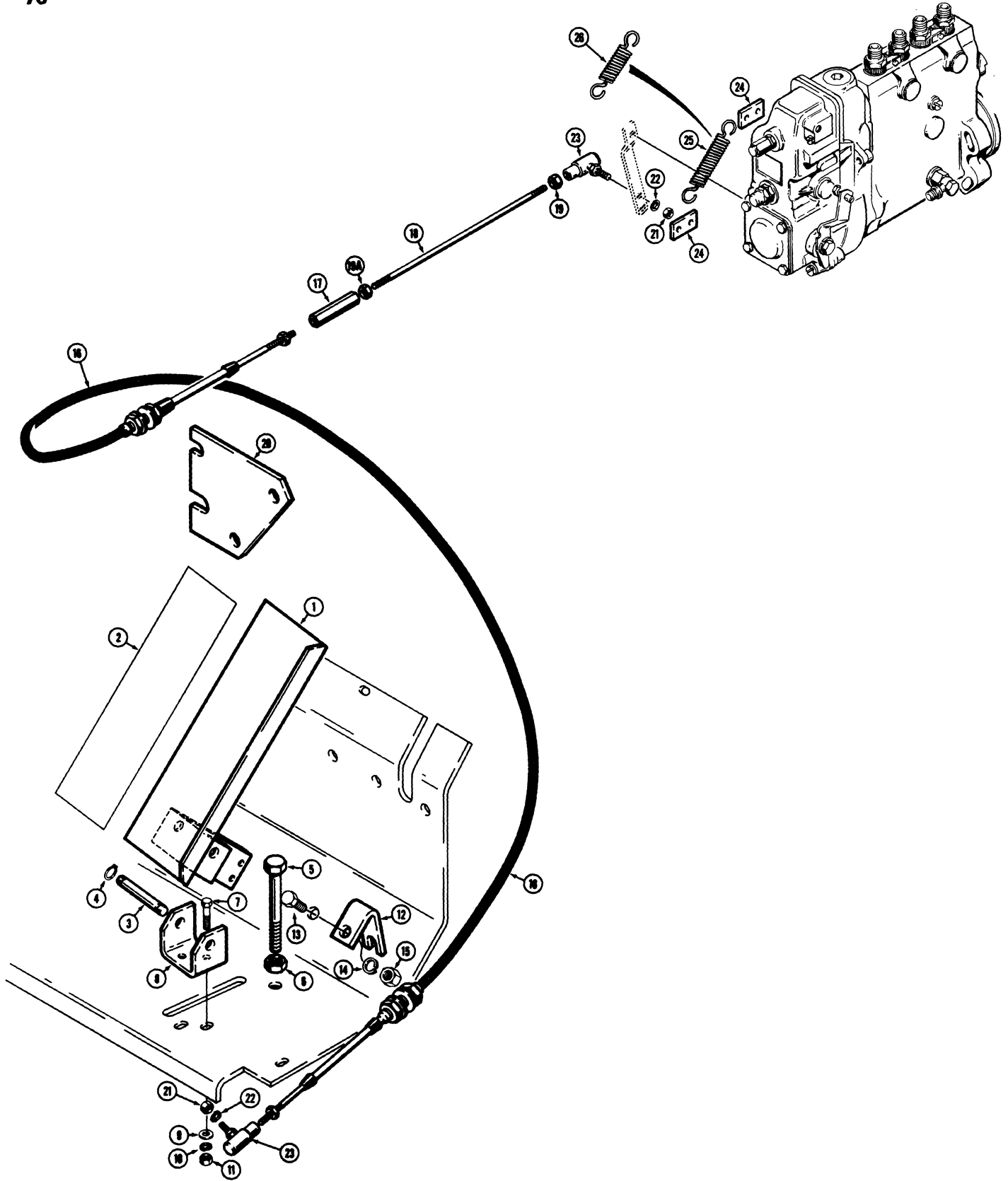
**FUEL TANK AND LINES
USED ON ALL MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
39	L 40164	HOSE - fuel line to injector pump	1
	222- 47	FITTING ASSEMBLY - hose, 90°	1
40	NSS	BODY - fitting	1
41	222- 104	SLEEVE - fitting	1
42	222- 114	NUT - fitting	1
43	L 57137	HOSE - return, injector pump to tank	1
	222- 23	FITTING ASSEMBLY - flex. type, straight	1
44	NSS	BODY - fitting	1
45	222- 112	NUT - fitting	1
46	222- 102	SLEEVE - fitting	1



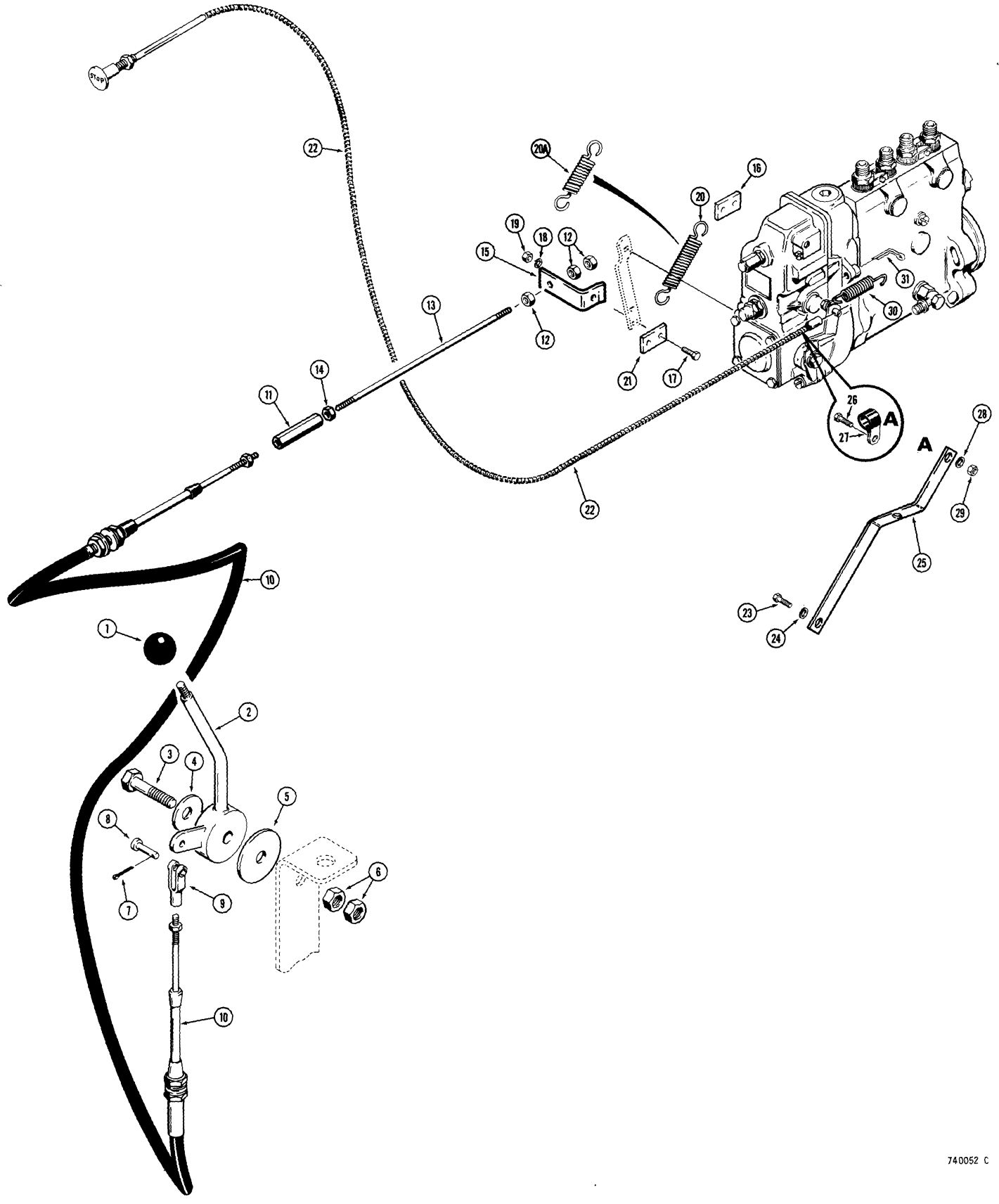
ELECTRIC FUEL PUMP

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 52634	PUMP - fuel transfer	1
1	A 40312	COVER - fuel pump	1
2	A 40315	GASKET - cover	1
3	A 40311	MAGNET - plunger	1
4	L 33210	SCREEN - filtering	1
5	A 40316	RETAINER - seal	1
6	A 40317	WASHER — special, retainer	1
7	A 40318	O-RING - valve	1
8	A 40313	VALVE - cup	1
9	L 35316	SPRING - plunger	1
10	A 40310	PLUNGER - fuel pump	1
11	NSS	BODY - pump, fuel transfer	1
12	L 11779	SLEEVE - insulation	1
13	L 11778	CONNECTOR - male, bullet	1
14	222- 46	FITTING - 90°, 1/8" NPT x 3/8" NPT	2



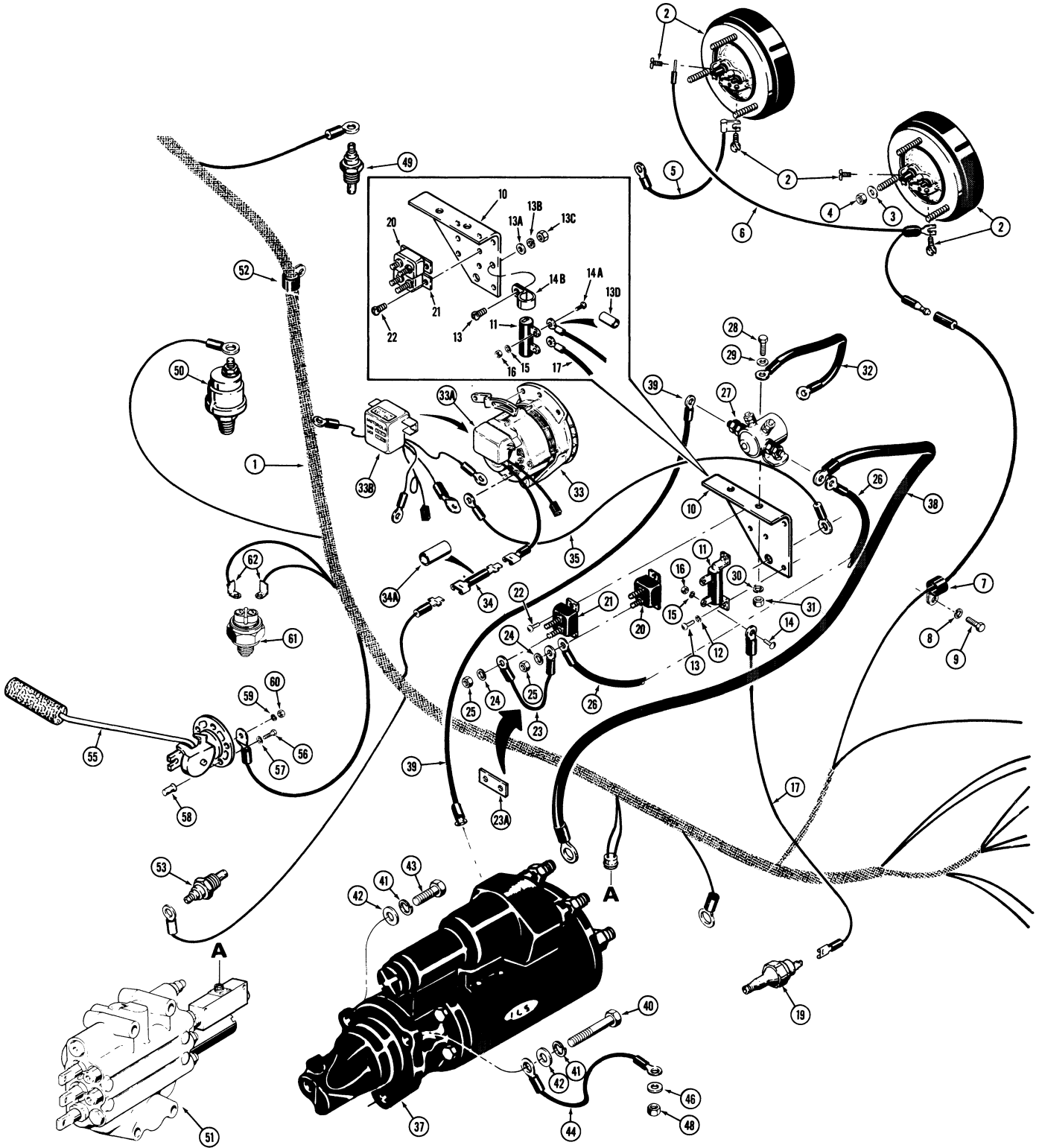
FOOT THROTTLE CONTROL

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 48004	PEDAL - accelerator, foot	1
2	L 48674	PAD - accelerator pedal	1
3	L 48003	PIN - pedal pivot	1
4	A 27795	RING - pin retaining, 5-1/2"	2
5	13- 888	HHCS - 1/2" - 13 NC x 5-1/2", accelerator stop	1
6	25- 148	NUT - hex., jam, 1/2" - 13 NC	1
7	13- 416	HHCS - 1/4" - 20 NC x 1"	2
8	L 48002	BRACKET - accelerator pedal pivot	1
9	95- 4	WASHER - flat, 1/4"	2
10	92- 4	WASHER - lock, 1/4"	2
11	25- 104	NUT - hex., 1/4" - 20 NC	2
12	L 55855	BRACKET - cable mounting, accelerator, rear	1
13	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	1
14	92- 8	WASHER - lock, 1/2"	1
15	25- 108	NUT - hex., 1/2" - 13 NC	1
16	L 72961	CABLE ASSEMBLY - accelerator	1
17	L 14227	TURNBUCKLE - throttle adjustment	1
18	L 58515	ROD - throttle adjustment	1
19	129- 27	NUT - hex., #10 - 32 NF, Right hand thread	1
19A	129- 315	NUT - hex., #10 - 32 NF, Left hand thread	1
20	L 78680	BRACKET - cable mounting, accelerator, front	1
21	129- 37	NUT - hex., #10 - 32 NF, plated	2
22	92- 3	WASHER - lock, 3/16"	2
23	L 12437	BALL JOINT - cable end	2
24	L 40703	PLATE - retaining, return spring, if used	2
25	L 50735	SPRING - return, accelerator pedal, 3" (76 mm) free length	1
26	L 48104	SPRING - return, accelerator pedal, 2-1/4" (57 mm) free length	1



HAND THROTTLE AND FUEL SHUTOFF

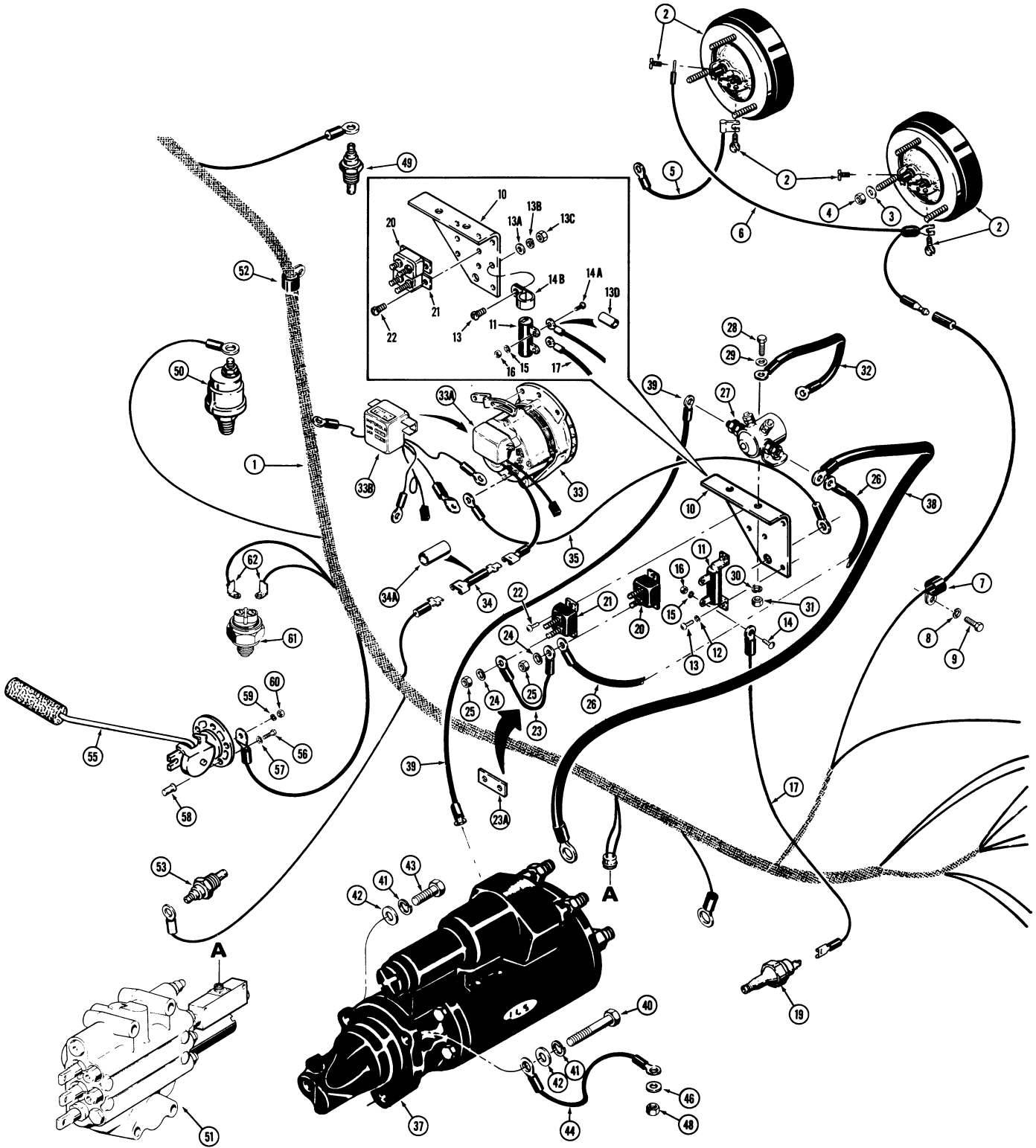
REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 49996	KNOB - hand throttle lever	1
2	L 55583	LEVER - hand throttle	1
3	13- 836	HHCS - 1/2" - 13 NC x 2-1/4"	1
4	R 14771	WASHER - spring, special	1
5	R 15071	DISC - friction	1
6	25- 148	NUT - hex., jam, 1/2" - 13 NC	2
7	132- 6	PIN - cotter, 1/16" dia. x 5/8"	1
8	141- 2	PIN - clevis, 1/4"	1
9	213- 2	CLEVIS - adjustable 1/4"	1
10	L 55603	CABLE ASSEMBLY - backhoe throttle	1
11	L 58548	TURNBUCKLE - throttle adjustment	1
12	25- 214	NUT - hex., 1/4" - 28 NF, R.H. thread	3
13	L 58523	ROD - control, backhoe throttle	1
14	129- 361	NUT - hex., 1/4" L.H. thread	1
15	L 58210	SLIDE - throttle, backhoe	1
16	L 55741	PLATE - retaining, return spring, if used	1
17	14- 412	HHCS - 1/4" - 28 NF x 3/4", used with L50735 spring	1
17	113- 169	HHCS - 1/4" - 20 NC x 1-3/4", used with L48104 spring	1
18	92- 4	WASHER - lock, 1/4"	1
19	25- 154	NUT - hex., jam, 1/4" - 28 NF, used with L50735 spring	1
19	25- 144	NUT - hex., jam, 1/4" - 20 NC, used with L48104 spring	1
20	L 50735	SPRING - return, throttle, 3" (76 mm) free length	1
20A	L 48104	SPRING - return, throttle, 2-1/4" (57 mm) free length	1
21	L 40703	PLATE - retaining, return spring, if used	1
22	L 57925	CABLE - control, fuel shutoff	1
23	13- 68	HHCS - 3/8" - 16 NC x 1/2"	1
24	92- 6	WASHER - lock, 3/8"	1
25	L 71856	BRACKET - support, fuel shutoff	1
26	13- 612	HHCS - 3/8" - 16 NC x 3/4"	1
27	49853	CLAMP - cable to bracket	1
28	92- 6	WASHER - lock, 3/8"	1
29	25- 106	NUT - hex., 3/8" - 16 NC	1
30	L 45037	SPRING - return, fuel shutoff, if used	1
31	L 46009	PIN - return spring, if used	1



**ELECTRICAL SYSTEM
FRONT HARNESS AND CONNECTIONS**

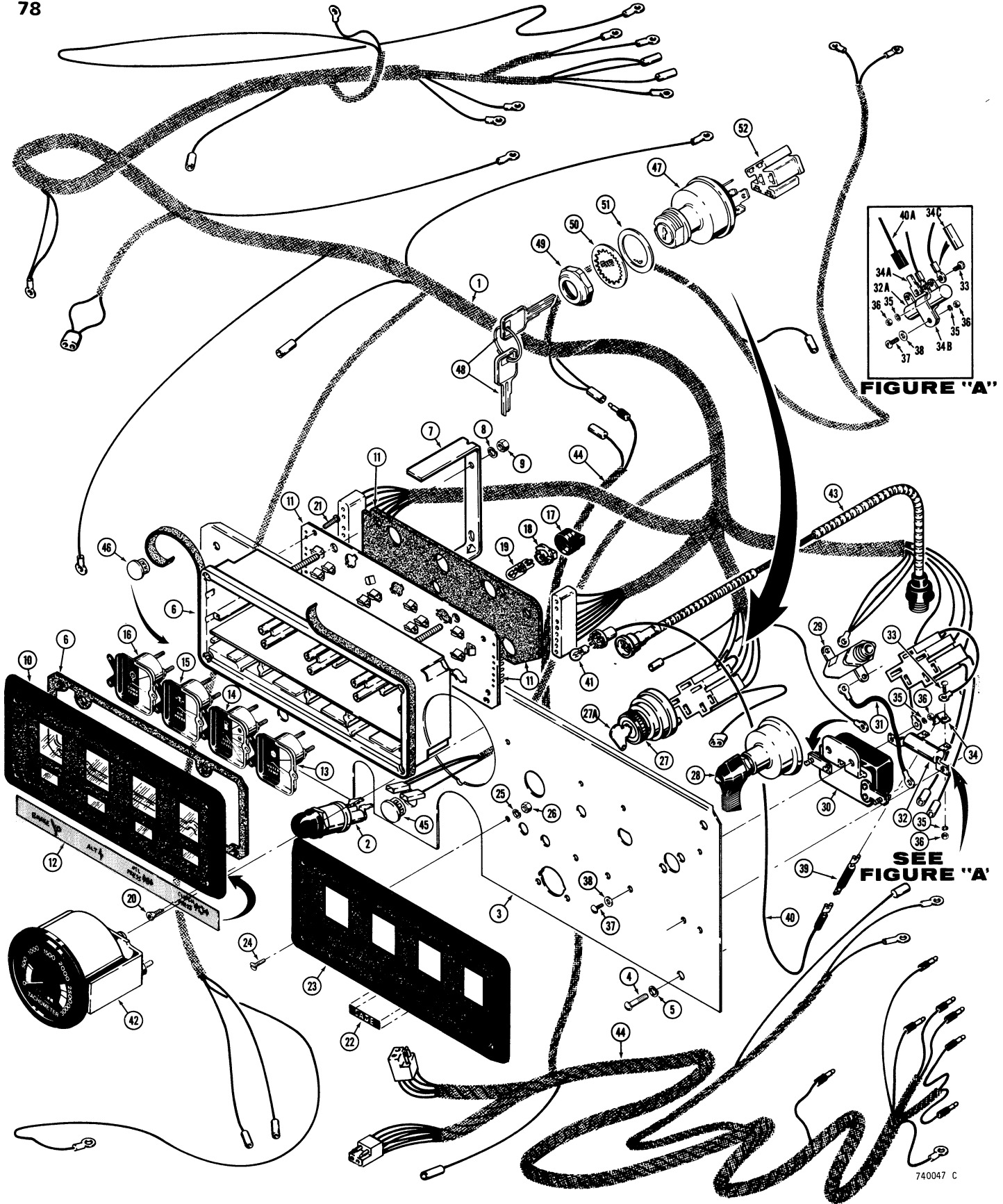
REF.	PART NO.	DESCRIPTION	REQ'D
1	L 58334	HARNESS - front, models with Case built cab	1
1	L 71684	HARNESS - front, Sims cab and 5 lead voltage regulator, see ref. nos. 33A and 33B	1
1	L 76350	HARNESS - front, Sims cab and 4 lead voltage regulator, see ref. nos. 33A and 33B, used before sn. 9127825	1
1	L 79230	HARNESS - front, sn. 9127825 and after	1
2	L 43743	LIGHT - front, flood, parts list page 105	2
3	193- 6	WASHER - flat, #10	6
4	129- 7	NUT - hex, #10 - 24 NC	6
5	A 15941	WIRE - flood light ground	2
6	L 11352	WIRE - front flood light connecting, pink color	1
6	L 70179	WIRE - front flood light connecting, dark green color	1
7	49857	CLAMP - wire retaining	2
8	92- 6	WASHER - lock, 3/8"	2
9	13- 610	HHCS - 3/8" - 16 NC x 5/8"	2
10	L 72967	BRACKET - solenoid mounting	1
11	L 58091	RESISTOR - 10 Ohm	1
12	192- 15	WASHER - lock, #6, if used	2
13	182- 46	SCREW - pan head, #6 - 32 NC x 1/2"	1
13A	195- 7	WASHER - flat, #6	1
13B	192- 5	WASHER - lock, #6	1
13C	129- 5	NUT - hex, #6 - 32 NC	1
13D	L 78495	TUBE - shrink, insulation, if used	2
14	173- 274	SCREW - round head, #8 - 32 NC x 1/2", plated, if used	2
14A	173- 73	SCREW - round head, #8 - 32 NC x 1/4", plated	2
14B	L 70217	CLAMP - resistor mounting, if used	1
15	192- 6	WASHER - lock, #8	2
16	129- 6	NUT - hex, #8 - 32 NC	2
17	L 58820	WIRE - resistor to oil sending unit	1
18		RESERVED	
19	A 66737	SWITCH - oil pressure sending unit	1
20	D 37203	BREAKER - circuit, 15 amp	1
21	L 11342	BREAKER - circuit, 25 amp	1
22	187- 811	SCREW - pan head, #6, breaker mounting	4
23	L 57036	WIRE - jumper, breaker to breaker, orange- black color	1
23	L 70057	WIRE - jumper, breaker to breaker, red color, if used	1
23A	L 74683	BAR - jumper, breaker to breaker, if used	1
24	192-o18	WASHER - lock, #10	4
25	129- 37	NUT - hex, #10 - 32 NF, plated	4
26	L 57035	WIRE - solenoid relay to circuit breaker, orange-black color	1
26	L 70058	WIRE - solenoid relay to circuit breaker, red color	1
27	S 219533	SOLENOID - relay, starter	1
28	13- 412	HHCS - 1/4" - 20 NC x 3/4", solenoid mounting	2
29	95- 4	WASHER - flat, 1/4"	2
30	92- 4	WASHER - lock, 1/4"	2
31	25- 104	NUT - hex, 1/4" - 20 NC	2
32	A 31060	WIRE - solenoid relay ground, if used	1

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**ELECTRICAL SYSTEM
FRONT HARNESS AND CONNECTIONS**

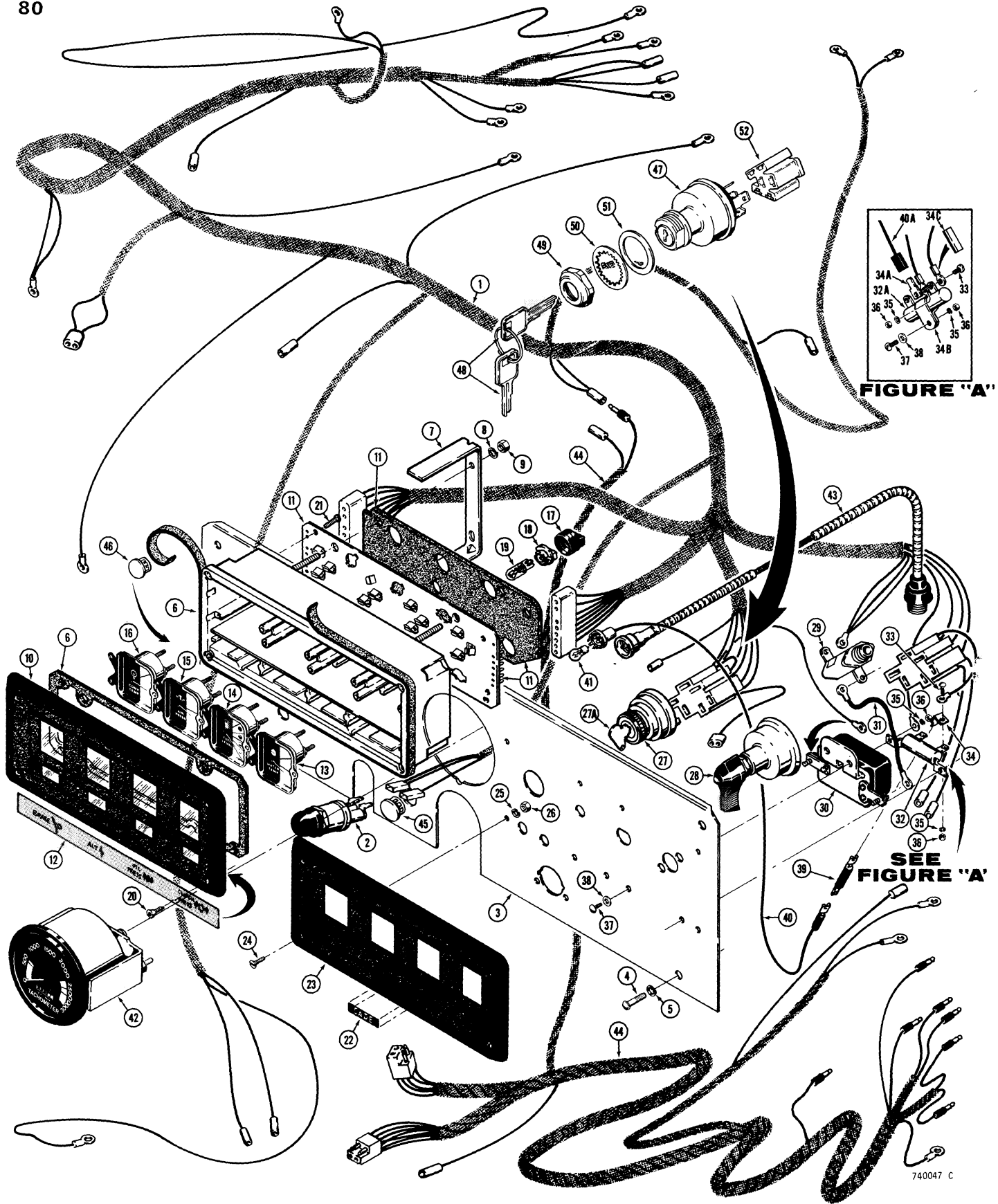
REF.	PART NO.	DESCRIPTION	REQ'D
33	REF.	ALTERNATOR - 24 volt, parts lists page 53	1
33A	A 44783	REGULATOR - voltage, 5 leads, order L76431 kit for service	1
	L 76431	KIT - voltage regulator, replaces 5 lead alternator with 4 lead alternator	1
33B	L 74931	REGULATOR - voltage, 4 leads	1
34	L 58496	RESISTOR - 25 Ohm, if used	1
34A	223- 125	TUBE - shrink, insulation, if used	1
35	A 18312	WIRE - ground, alternator	1
36		RESERVED	
37	R 26136	STARTING MOTOR - engine, parts list pages 47 and 49	1
38	L 14552	WIRE - starter to solenoid, 13" (330 mm) long	1
38	L 70385	WIRE - starter to solenoid, 16" (406 mm) long	1
39	L 50012	WIRE - solenoid to starter, red color	1
39	L 70191	WIRE - solenoid to starter, orange color	1
40	13- 848	HHCS - 1/2" - 13 NC x 3", starter mounting	1
41	92- 8	WASHER - lock, 1/2"	3
42	R 24323	WASHER - starter mounting	3
43	13- 824	HHCS - 1/2" - 13 NC x 1-1/2", starter mounting	2
44	L 40793	WIRE - ground, starter to engine frame	1
45		RESERVED	
46	195- 2051	WASHER - flat, 1/2"	1
47		RESERVED	
48	25- 148	NUT - hex, 1/2" - 13 NC	1
49	L 56217	SENDING UNIT- engine water temperature	1
50	L 57176	SENDING UNIT - air pressure	1
51	REF.	VALVE - loader, see pages 381 and 383 for related parts	1
52	49774	CLAMP - front harness	1
53	L 56217	SENDING UNIT - converter oil temperature	1
54		RESERVED	
55	L 100566	SENDING UNIT - fuel level	1
56	163- 4	SCREW - #10 - 32 NF x 5/8"	5
57	92- 3	WASHER - lock, #10	5
58	L 13194	RIVNUT - fuel tank, #10 - 32 NF	5
59	92- 3	WASHER - lock, #10	1
60	129- 37	NUT - hex, #10 - 32 NF, plated	1
61	L 71304	SWITCH - neutral start, transmission sn. 75001 and after	1
62	L 58511	TERMINAL - electrical	2



**ELECTRICAL SYSTEM
INSTRUMENT PANEL**

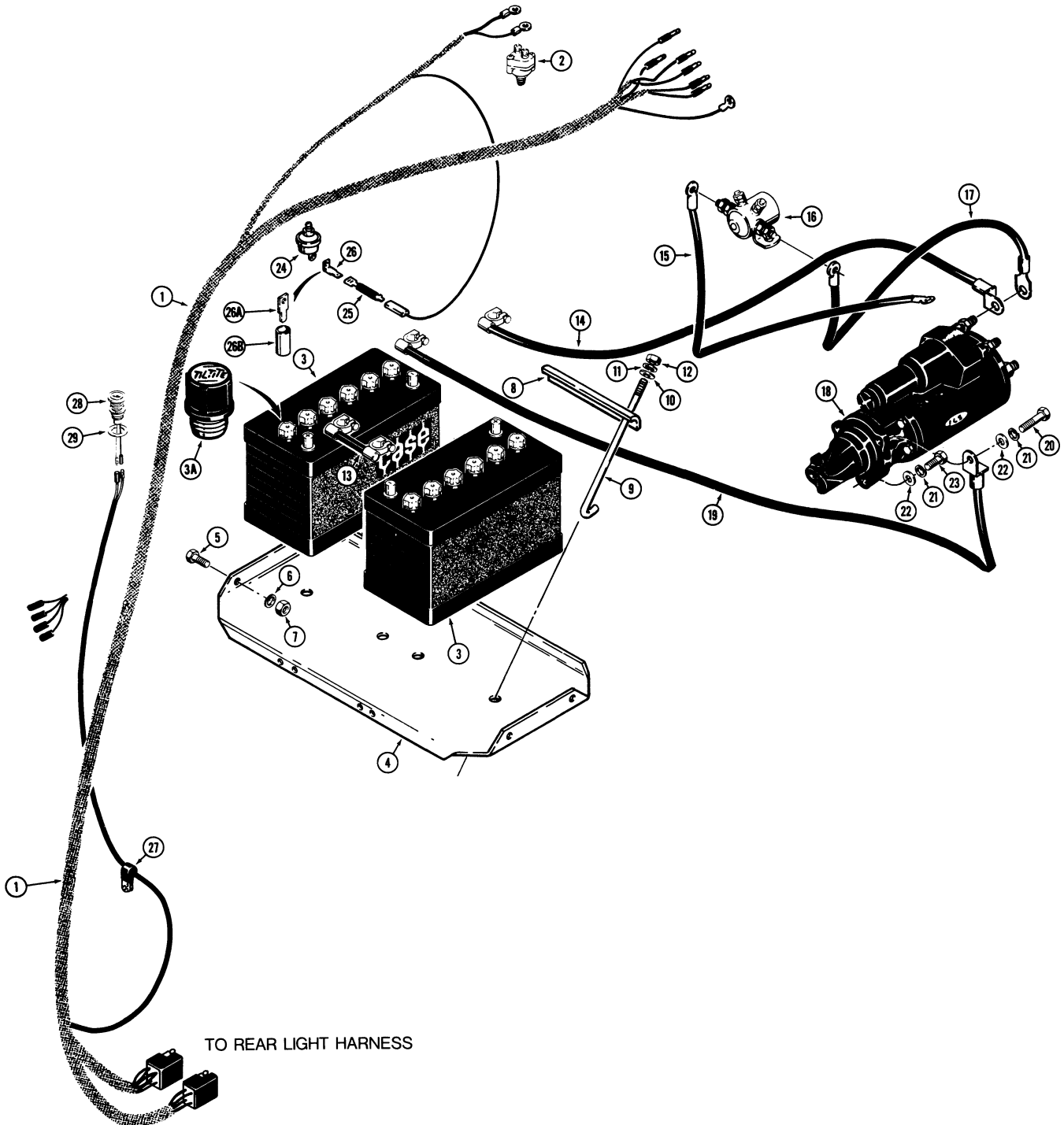
REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	HARNESS - front, see page 75	1
2	L 55778	SWITCH - starting, push button, used before transmission sn. 75001	1
3	L 57050	PANEL - instrument, inner, used before sn. 9124838	1
3	L 77296	PANEL - instrument, inner, used on sn. 9124838 thru 9127823	1
3	L 79233	PANEL - instrument, inner, used on sn. 9127823 and after	1
4	182- 527	SCREW - 1/4" - 20 NC x 5/8"	4
5	193- 8	WASHER - lock, 1/4"	4
	L 55650	CLUSTER - instrument panel, L.H.	1
6	NSS	CASE AND GASKET - cluster mounting	1
7	L 35954	STRAP - case mounting	2
8	192- 18	WASHER - lock, #10, plated	4
9	129- 37	NUT - hex, #10 - 32 NF, plated	4
10	L 35948	PANEL - instrument, L.H. outer	1
11	L 35950	CIRCUIT BOARD - wiring and gauges	1
12	L 35953	PANEL - identification, brake, alternator, engine oil pressure and clutch pressure warning light	1
13	L 35946	GAUGE - engine water temperature	1
14	L 35943	GAUGE - fuel level	1
15	L 35944	GAUGE - air pressure	1
16	L 35945	GAUGE - converter oil temperature	1
17	L 35947	COVER - rubber, light socket	7
18	L 35949	SOCKET - instrument light	7
19	W 10478	BULB - light, instrument (#194)	7
20	164- 215	SCREW - hex, socket head, #6 - 32 NC x 3/4", special	4
21	187- 976	SCREW - hex head, self- tapping, #6 - 3/8"	13
22	L 57685	DECAL - "CASE", included in decal kits, see pages 463 and 465	1
23	L 55774	PANEL - instrument, R.H. outer	1
24	164- 215	SCREW - #6 - 32 NC x 3/4"	4
25	192- 15	WASHER - lock, #6	4
26	129- 15	NUT - hex, #6 - 32 NC	4
27	L 55655	SWITCH ASSEMBLY - electrical, uses D36822 key, see item 47	1
27A	D 36822	KEY - set of 2	1
28	L 55654	SWITCH - lights	1
29	L 48480	SWITCH - air pressure	1
30	L 15056	BUZZER - air pressure warning	1
31	L 57801	WIRE - switch to buzzer	1
32	L 57052	RESISTOR - 25 ohm, has mounting lugs, if used	1
32A	L 59799	RESISTOR - 15 ohm, mounted with "P" type clamp, if used	1
33	182- 44	SCREW - #6 - 32 NC x 3/8"	2
34	L 58511	TERMINAL - panel, 90°	1
34A	L 59682	TERMINAL - panel, straight	1
34B	49833	CLAMP - resistor mounting, L59799 resistor only	1
34C	223- 125	SLEEVE - insulation, if used	1
35	192- 15	WASHER - lock, #6	5
36	129- 15	NUT - hex, #6 - 32 NC	5
37	182- 47	SCREW - #6 - 32 NC x 5/8"	3
38	195- 7	WASHER - flat, #6	3

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**ELECTRICAL SYSTEM
INSTRUMENT PANEL**

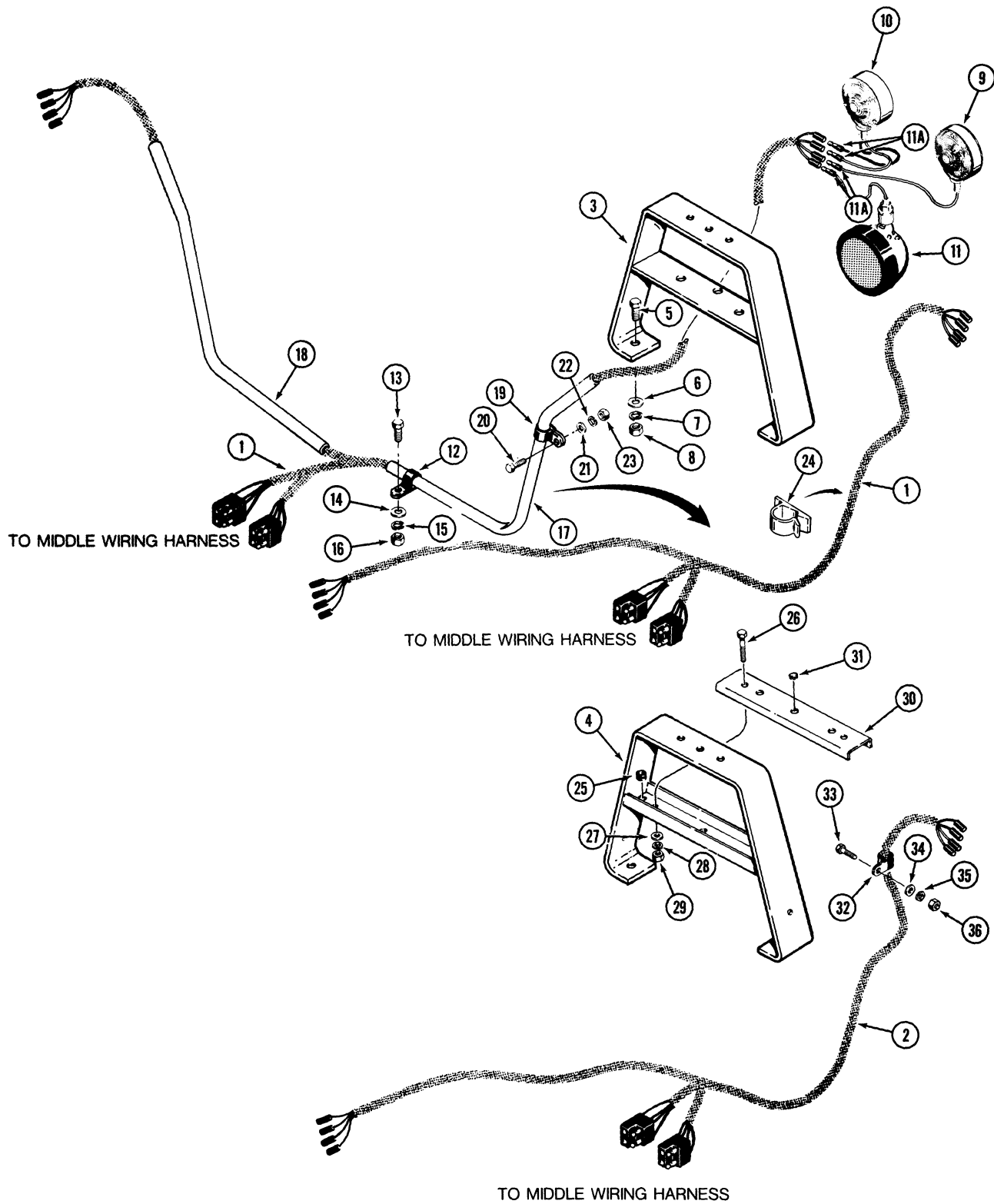
REF.	PART NO.	DESCRIPTION	REQ'D
39	L 58497	RESISTOR - 40 ohm, if used	1
40	L 57799	WIRE - tachometer light, black-red color	1
40	L 70185	WIRE - tachometer light, gray color	1
41	A 14553	BULB - tachometer light (#57)	1
42	L 58174	GAUGE - tachometer, for security cover see page 459	1
43	R 29332	SHAFT - tachometer drive, flexible	1
44	L 58335	HARNESS - middle, wiring	1
45	353- 404	PLUG - heater switch mounting, if used	1
46	353- 407	PLUG - cold start switch mounting, if used	1
47	*A 77312	SWITCH - electrical, uses A77313 key, see item 27	1
48	*A 77313	KEY - set of 2	1
49	*A 77314	NUT - mounting	1
50	*193- 37	WASHER - internal tooth lock, 1"	1
51	*L 31557	WASHER - flat	1
52	NSS	PLUG - wiring harness	1
	*L 36185	KIT - electrical switch. Includes items preceeded by an asterisk	1



ELECTRICAL SYSTEM REAR HARNESS AND CONNECTIONS

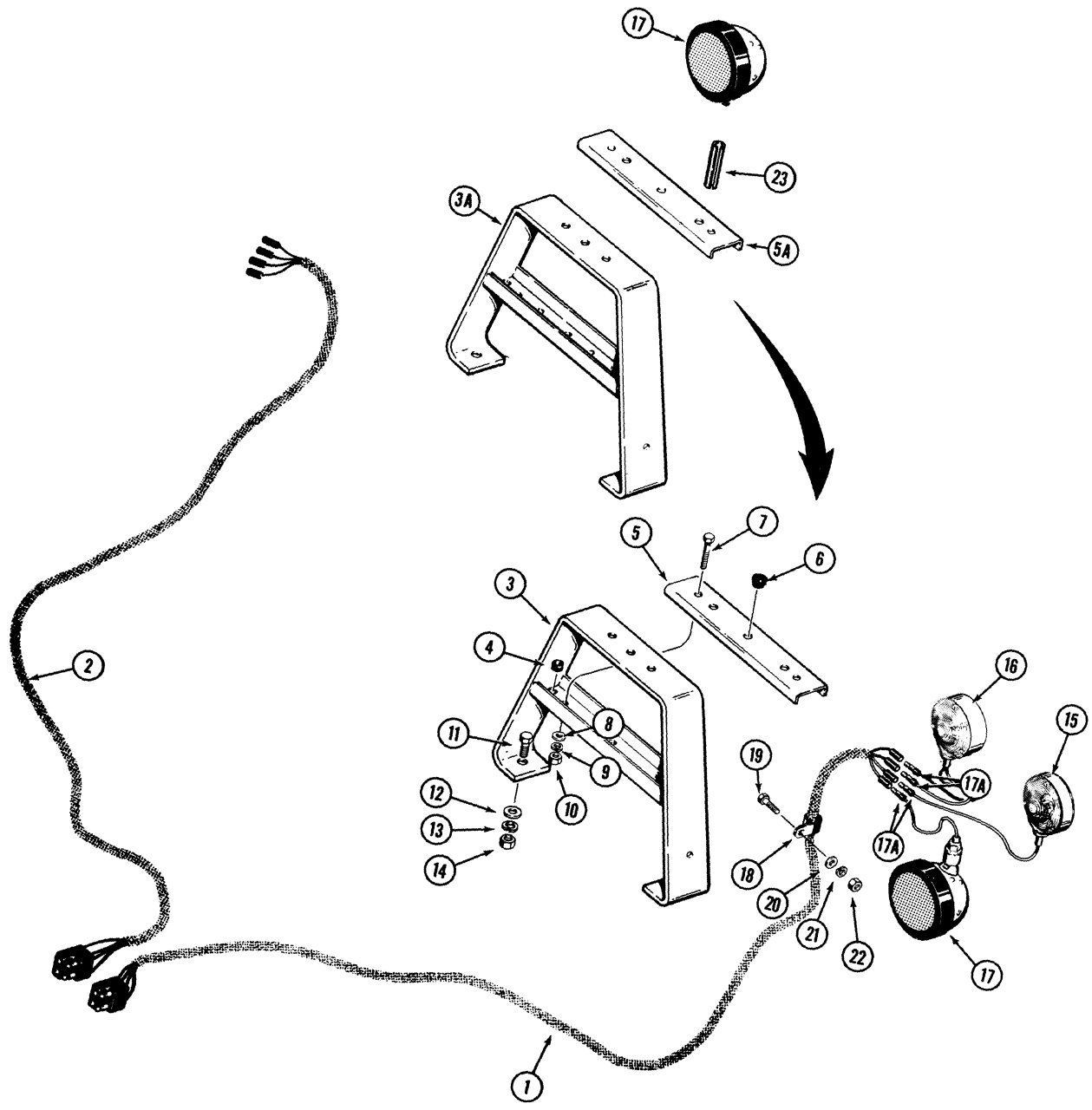
REF.	PART NO.	DESCRIPTION	REQ'D
1	L 58335	HARNESS - middle, wiring	1
2	L 47989	SWITCH - stop light	1
3	*A 38411	BATTERY - dry charge (12 volt) Must be used with A60553 nonspill caps ..	2
3A	A 60553	CAP - battery, nonspill	12
4	L 57444	PLATE - battery support	1
5	13- 824	HHCS - 1/2" - 13 NC x 1-1/2"	4
6	92- 8	WASHER - lock, 1/2"	4
7	25- 108	NUT - hex, 1/2" - 13 NC	4
8	L 57488	HOLDDOWNS - battery, angle	2
9	L 52096	BOLT - hook, battery holddown	4
10	95- 5	WASHER - flat, 5/16"	4
11	92- 5	WASHER - lock, 5/16"	4
12	25- 105	NUT - hex, 5/16" - 18 NC	4
13	L 57766	CABLE - jumper, battery to battery	1
14	L 79907	CABLE - battery to starter	1
15	L 14552	CABLE - starter to solenoid	1
16	S 219533	SOLENOID - starter	1
17	L 50012	WIRE - solenoid to starter	1
18	R 26136	STARTER - engine, parts list pages 47 and 49	1
19	L 57765	CABLE - battery ground	1
20	13- 852	HHCS - 1/2" - 13 NC x 3-1/2", starter mounting	1
21	92- 8	WASHER - lock, 1/2"	3
22	R 24323	WASHER - starter mounting	3
23	13- 824	HHCS - 1/2" - 13 NC x 1-1/2", starter mounting	2
24	L 57937	SWITCH - air pressure	1
25	L 58497	RESISTOR - 40 ohm, if used	1
26	L 58511	TERMINAL - plug in, 90°	1
26A	L 59682	TERMINAL - plug in, straight	1
26B	223- 125	SLEEVE - insulation, if used	1
27	49853	CLAMP - harness	1
28	REF.	LAMP - engine warning, see page 107	1
29	L 11345	GASKET - engine warning light	1

***NOTE:** When replacing battery, conventional caps must be removed from new battery and replaced by (6) A60553 nonspill caps. Nonspill caps can be removed from the existing battery and reused or new nonspill caps can be ordered.



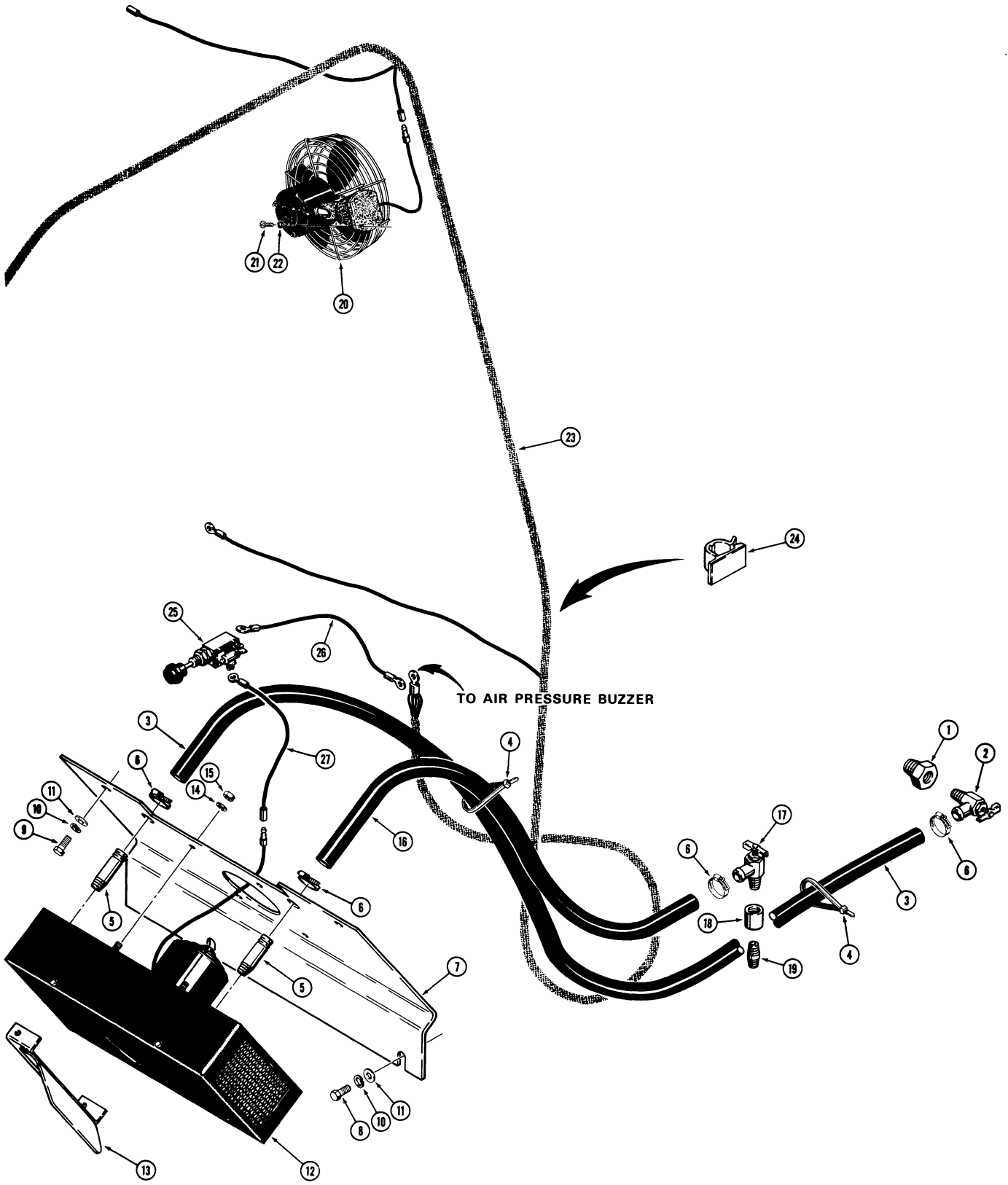
ELECTRICAL SYSTEM
ONE PIECE REAR LIGHT HARNESS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 57900	HARNESS - rear light, used with items 12-23 or item 24	1
2	L 73162	HARNESS - rear light, used with items 32-36	1
3	L 57910	BRACKET - rear light mounting, used with L57900 harness	2
4	L 73486	BRACKET - rear light mounting, used with L73162 harness	2
5	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	4
6	95- 8	WASHER - flat, 1/2"	4
7	92- 8	WASHER - lock, 1/2"	4
8	25- 108	NUT - hex., 1/2" - 13 NC	4
9	L 43738	LIGHT - turn signal and flasher, parts list page 105	2
10	L 43737	LIGHT - stop and tail, parts list page 105	2
11	D 71193	LIGHT - rear flood, parts list page 105	2
11A	L 11779	SLEEVE - insulation, light terminals	8
12	49799	CLAMP - harness, if used	2
13	13- 820	HHCS - 1/2" - 13 NC x 1-1/4", if used	2
14	95- 8	WASHER - flat, 1/2", if used	2
15	92- 8	WASHER - lock, 1/2", if used	2
16	25- 108	NUT - hex., 1/2" - 13 NC, if used	2
17	L 58070	TUBE - shield, rear harness, R.H., if used	1
18	L 58069	TUBE - shield, rear harness, L.H., if used	1
19	49858	CLAMP - tube retaining, if used	2
20	13- 616	HHCS - 3/8" - 16 NC x 1", if used	2
21	95- 6	WASHER - flat, 3/8", if used	2
22	92- 6	WASHER - lock, 3/8", if used	2
23	25- 106	NUT - hex., 3/8" - 16 NC, if used	2
24	L 54606	CLIP - harness mounting, stick on, if used	14
25	L 13765	GROMMET - harness	2
26	13- 640	HHCS - 3/8" - 16 NC x 2-1/2"	4
27	95- 6	WASHER - flat, 3/8"	4
28	92- 6	WASHER - lock, 3/8"	4
29	25- 106	NUT - hex., 3/8" - 16 NC	4
30	L 73479	COVER - light support	2
31	353- 403	PLUG - light bracket	2
32	49852	CLAMP - harness	6
33	13- 416	HHCS - 1/4" - 20 NC x 1"	6
34	95- 4	WASHER - flat, 1/4"	6
35	92- 4	WASHER - lock, 1/4"	6
36	25- 104	NUT - hex., 1/4" - 20 NC	6



ELECTRICAL SYSTEM TWO PIECE REAR LIGHT HARNESS

REF.	PART NO.	DESCRIPTION	REQ'D
1	L 74575	HARNESS - rear light, R.H.	1
2	L 74574	HARNESS - rear light, L.H.	1
3	L 73486	BRACKET - rear light mounting, used before sn. 9127825	2
3A	L 78742	BRACKET - rear light mounting, used on sn. 9127825 and after	2
4	L 13765	GROMMET - harness	2
5	L 73479	COVER - light support, used before sn. 9127825	2
5A	L 79121	COVER - light support, used on sn. 9127825 and after	2
6	353- 403	PLUG - light bracket	2
7	13- 640	HHCS - 3/8" - 16 NC x 2-1/2"	4
8	95- 6	WASHER - flat, 3/8"	4
9	92- 6	WASHER - lock, 3/8"	4
10	25- 106	NUT - hex, 3/8" - 16 NC	4
11	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	4
12	95- 8	WASHER - flat, 1/2"	4
13	92- 8	WASHER - lock, 1/2"	4
14	25- 108	NUT - hex, 1/2" - 13 NC	4
15	L 43738	LIGHT - turn signal and flasher, parts list page 105	2
16	L 43737	LIGHT - stop and tail, parts list page 105	2
17	D 71193	LIGHT - rear flood, parts list page 105	2
17A	L 11779	SLEEVE - insulation, light terminals	8
18	49852	CLAMP - harness	2
19	13- 416	HHCS - 1/4" - 20 NC x 1"	2
20	95- 4	WASHER - flat, 1/4"	2
21	92- 4	WASHER - lock, 1/4"	2
22	25- 104	NUT - hex, 1/4" - 20 NC	2
23	L 77093	CONDUIT - flood light wire, used on sn. 9127825 and after	2

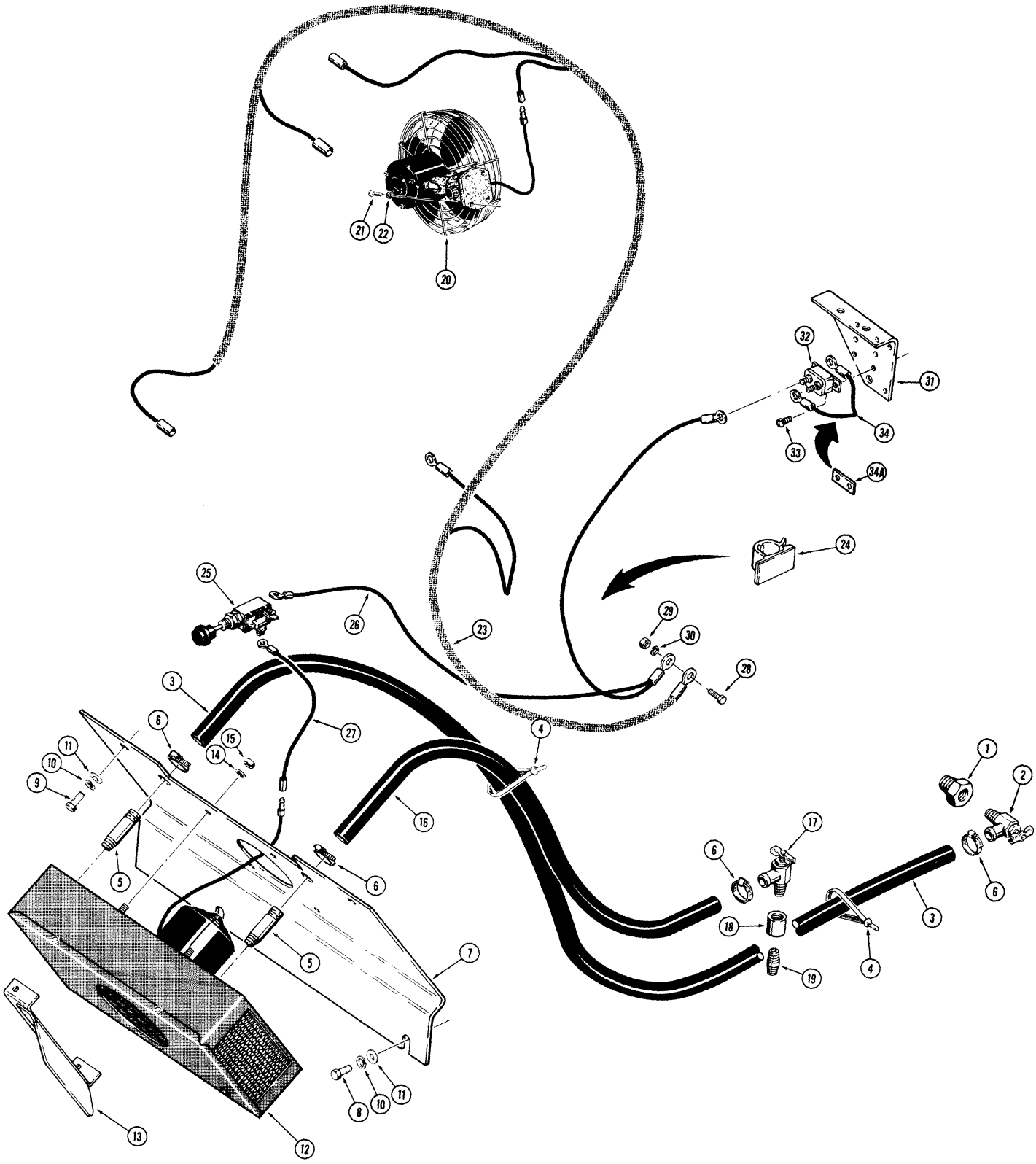


**ELECTRICAL SYSTEM
CAB HEATER AND DEFROSTER
*MODELS WITH CASE BUILT CAB
EARLY PRODUCTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	221- 1092	BUSHING - reducer, 3/4" x 3/8" NPT	1
2	A 16764	VALVE - shut-off	1
3	L 78623	HOSE - heater, 5/8" (15.8 mm) I.D. x 63" (1600 mm) long	1
4	L 11541	STRAP - tie, hose retaining	2
5	D 65132	NIPPLE - straight, pipe	2
6	214- 253	CLAMP - hose	4
7	L 59043	PLATE - heater mounting	1
8	13- 616	HHCS - 3/8" - 16 NC x 1"	2
9	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	2
10	92- 6	WASHER - lock, 3/8"	4
11	95- 6	WASHER - flat, 3/8"	4
12	**D 65190	HEATER ASSEMBLY - operators cab, parts list page 95	1
13	L 59280	PLATE - air deflector, if used	1
14	92- 4	WASHER - lock, 1/4"	4
15	25- 104	NUT - hex., 1/4" - 20 NC	4
16	A 136406	HOSE - heater return, 5/8" (15.8 mm) I.D. x 29" (736 mm) long	1
17	A 16764	VALVE - water shut-off	1
18	221- 337	COUPLING - 3/8" NPT	1
19	**221- 158	NIPPLE - 3/8" NPT x 1"	1
20	L 48971	FAN - defroster, parts list page 97	1
21	169- 99	SCREW - fillister head, #10 - 24 NC x 5/8"	4
22	92- 3	WASHER - lock, #10	4
23	L 59696	HARNESS - cab wiring	1
24	L 54606	CLIP - cab harness	11
25	**L 33827	SWITCH - heater motor	1
26	L 59161	WIRE - heater switch to cab harness	1
27	L 59170	WIRE - heater switch to heater motor	1

*NOTE: Case built cabs may be identified by the J I Case Co. Sn. plate located in the upper L.H. corner of the cab.

**NOTE: Items preceded by an asterisk are included in L59025 heater kit.

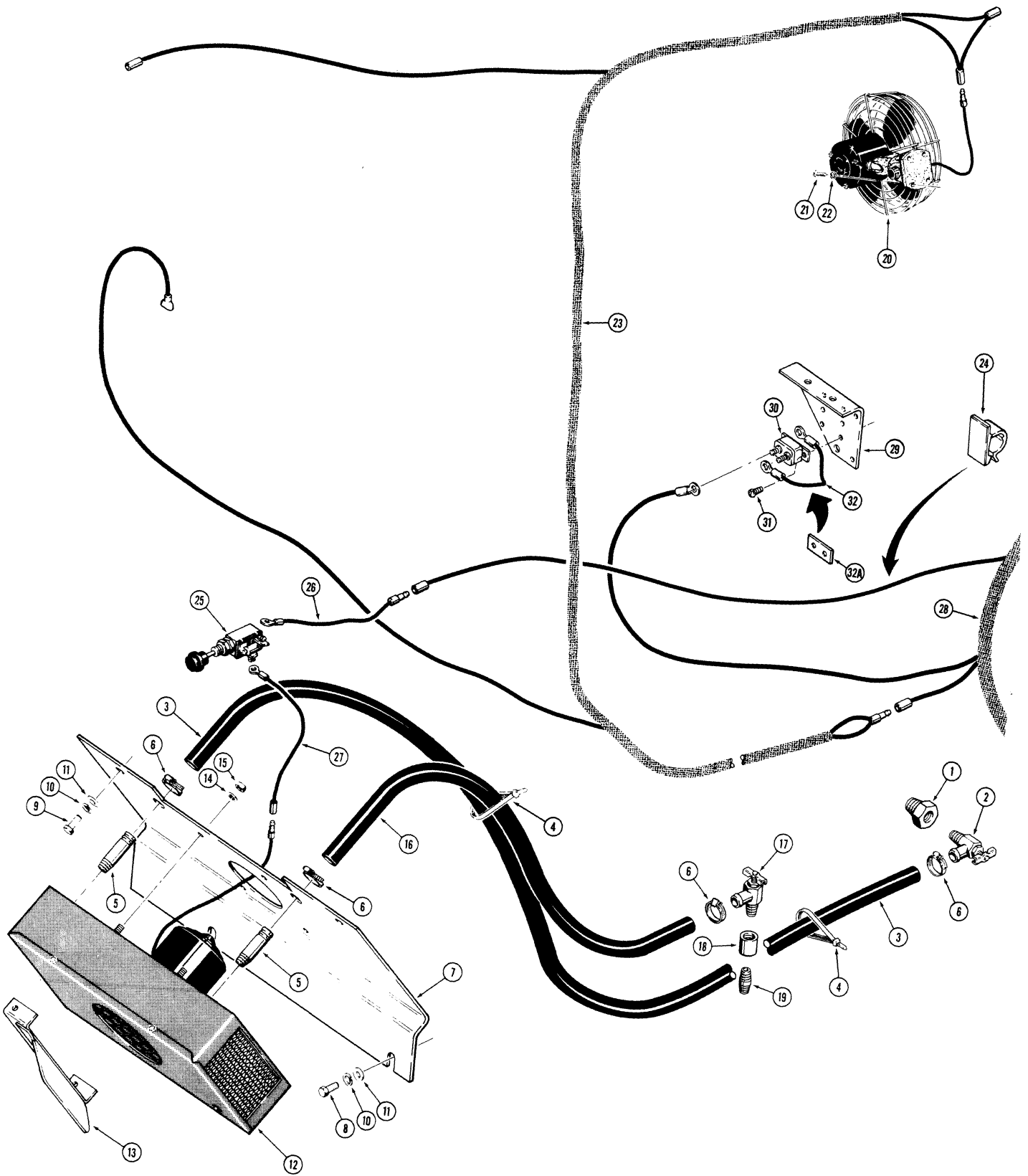


**ELECTRICAL SYSTEM
CAB HEATER AND DEFROSTER
*MODELS WITH CASE BUILT CAB
LATE PRODUCTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	221- 1092	BUSHING - reducer, 3/4" x 3/8" NPT	1
2	A 16764	VALVE - shutoff	1
3	L 78623	HOSE - heater, 5/8" (15.8 mm) I.D. x 63" (1600 mm) long	1
4	L 11541	STRAP - tie, hose retaining	2
5	D 65132	NIPPLE - straight, pipe	2
6	214- 253	CLAMP - hose	4
7	L 59043	PLATE - heater mounting	1
8	13- 616	HHCS - 3/8" - 16 NC x 1"	2
9	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	2
10	92- 6	WASHER - lock, 3/8"	4
11	95- 6	WASHER - flat, 3/8"	4
12	**D 65190	HEATER ASSEMBLY - operators cab, parts list page 95	1
13	L 59280	PLATE - air deflector, if used	1
14	92- 4	WASHER - lock, 1/4"	4
15	25- 104	NUT - hex., 1/4" - 20 NC	4
16	A 136406	HOSE - heater return, 5/8" (15.8 mm) I.D. x 29" (736 mm) long	1
17	A 16764	VALVE - water shutoff	1
18	221- 337	COUPLING	1
19	**221- 158	NIPPLE - 3/8" NPT x 1"	1
20	L 48971	FAN - defroster, parts list page 97	1
21	169- 99	SCREW - fillister head, #10 - 24 NC x 5/8"	4
22	92- 3	WASHER - lock, #10	4
23	L 70386	HARNESS - cab wiring	1
24	L 54606	CLIP - cab harness	11
25	**L 33827	SWITCH - heater motor	1
26	L 59527	WIRE - heater switch to cab harness	1
27	L 59170	WIRE - heater switch to heater motor	1
28	173- 74	SCREW - #8 - 32 NC x 5/16"	1
29	129- 6	NUT - hex., #8 - 32 NC	1
30	192- 106	WASHER - lock, #8	1
31	REF.	PLATE - solenoid and circuit breaker mounting, see page 75 for related parts	1
32	L 11342	BREAKER - circuit, 25 amp	1
33	187- 811	SCREW - self-tapping	2
34	L 70057	WIRE - jumper, breaker to breaker, if used	1
34A	L 74683	BAR - jumper, breaker to breaker, if used	1

*NOTE: Case built cabs may be identified by the J I Case Co. Sn. plate located in the top L.H. corner of the cab.

**NOTE: Items preceded by an asterisk are included in L59025 heater kit.

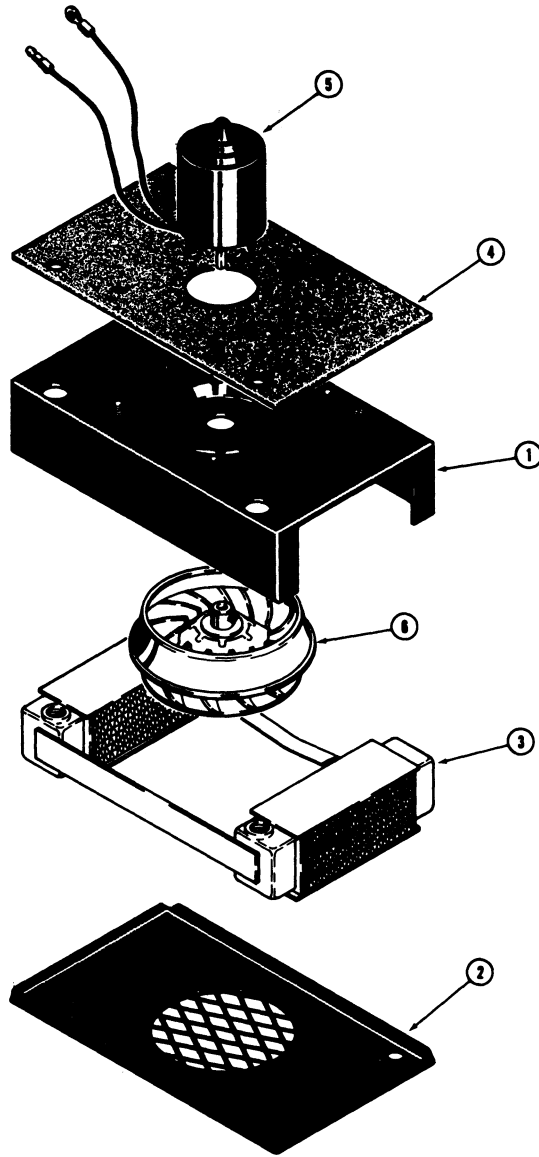


**ELECTRICAL SYSTEM
CAB HEATER AND DEFROSTER
*MODELS WITH SIMS BUILT CAB**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	221- 1092	BUSHING - reducer, 3/4" x 3/8" NPT	1
2	A 16764	VALVE - shutoff	1
3	L 78623	HOSE - heater, 5/8" (15.8 mm) I.D. x 63" (1600 mm) long	1
4	L 11541	STRAP - tie, hose retaining	2
5	D 65132	NIPPLE - straight, pipe	2
6	214- 253	CLAMP - hose	4
7	L 59043	PLATE - heater mounting	1
8	13- 616	HHCS - 3/8" - 16 NC x 1"	2
9	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	2
10	92- 6	WASHER - lock, 3/8"	4
11	95- 6	WASHER - flat, 3/8"	4
12	**D 65190	HEATER ASSEMBLY - operators cab, parts list page 95	1
13	L 59280	PLATE - air deflector, if used	1
14	92- 4	WASHER - lock, 1/4"	4
15	25- 104	NUT - hex., 1/4" - 20 NC	4
16	A 136406	HOSE - heater return, 5/8" (15.8 mm) I.D. x 29" (736 mm) long ..	1
17	A 16764	VALVE - water shutoff	1
18	221- 337	COUPLING - 3/8" NPT	1
19	**221- 158	NIPPLE - 3/8" NPT x 1"	1
20	L 48971	FAN - defroster, parts list page 97	1
21	169- 99	SCREW - fillister head, #10 - 24 NC x 5/8"	4
22	92- 3	WASHER - lock, #10	4
23	D 70623	HARNESS - cab wiring	1
24	L 54606	CLIP - cab harness	11
25	**L 33827	SWITCH - heater motor	1
26	L 71699	WIRE - heater switch to cab harness	1
27	L 59170	WIRE - heater switch to heater motor	1
28	REF.	HARNESS - front wiring, see page 75	1
29	REF.	PLATE - solenoid and circuit breaker mounting, see page 75 for related parts	1
30	L 11342	BREAKER - circuit, 25 amp	1
31	187- 811	SCREW - self-tapping	2
32	L 70057	WIRE - jumper, breaker to breaker, if used	1
32A	L 74683	BAR - jumper, breaker to breaker, if used	1

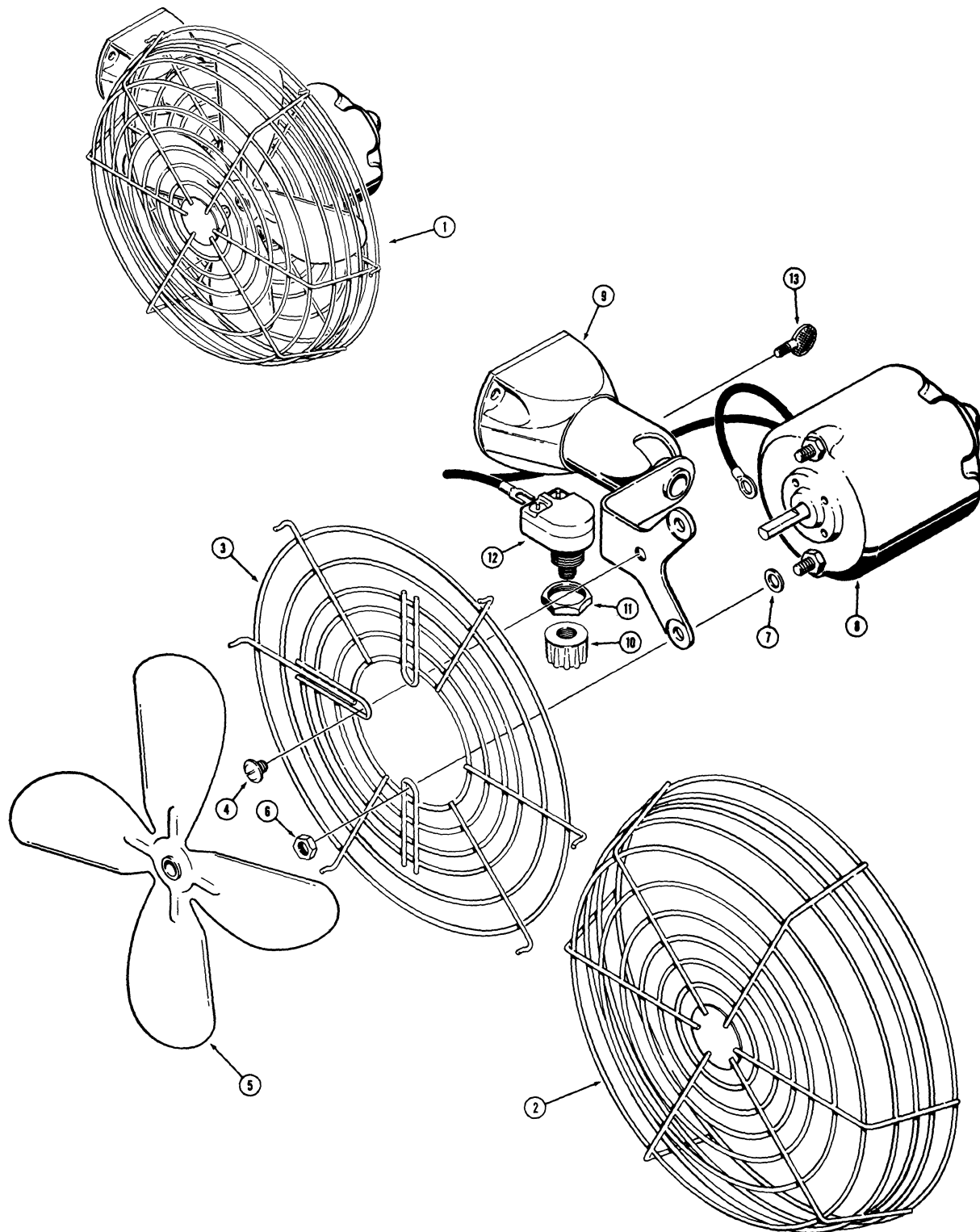
*NOTE: Sims built cabs may be identified by the Sims part number stamped on the cab Sn. plate.

**NOTE: Items preceded by an asterisk are included in L59025 heater kit.



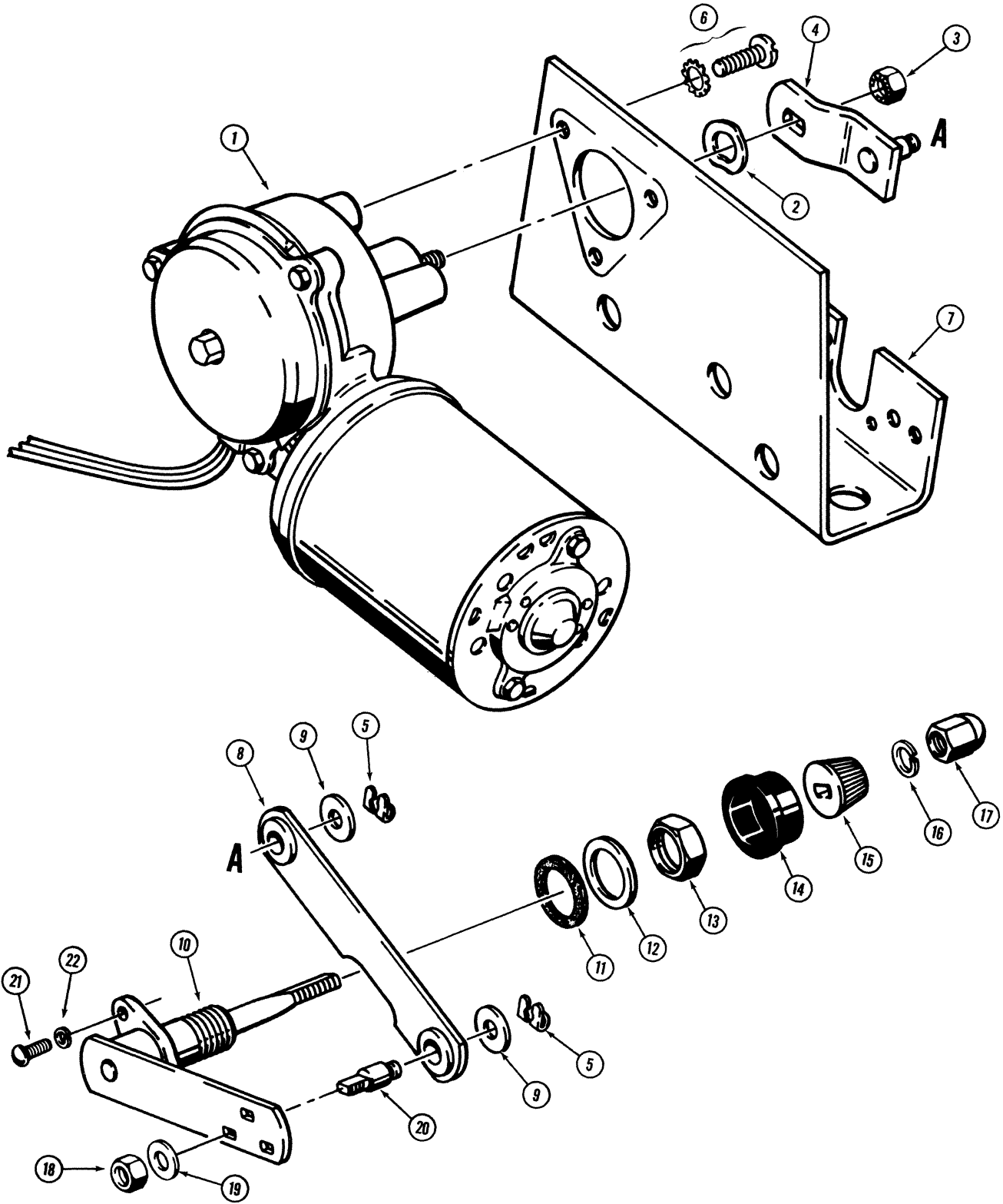
**ELECTRICAL SYSTEM
CAB HEATER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	D 65190	HEATER ASSEMBLY - operator's cab	1
1	NSS	SHELL - heater	1
2	NSS	COVER - heater	1
3	D 63393	CORE - heater	1
4	NSS	GASKET - heater mounting	1
5	D 63395	MOTOR ASSEMBLY - heater fan	1
6	D 63396	FAN - heater	1



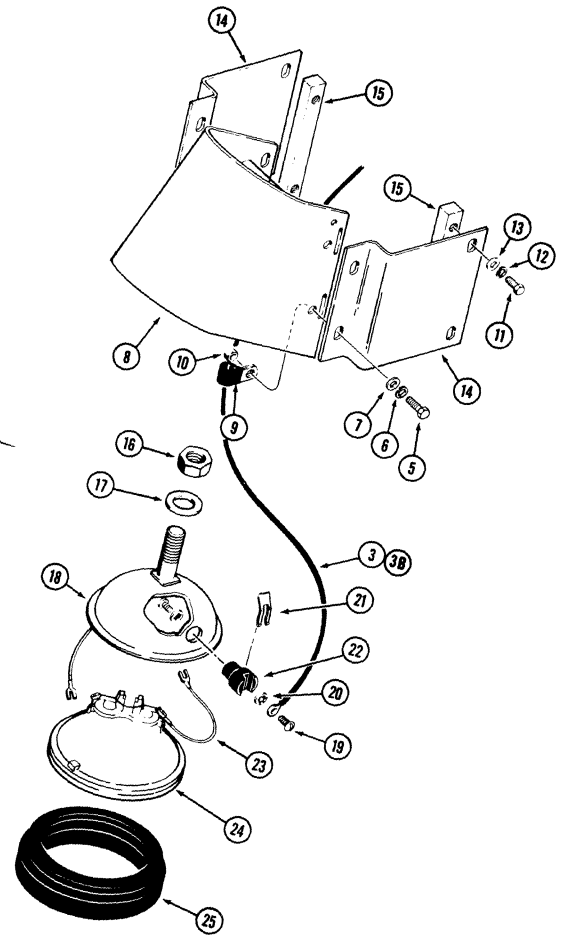
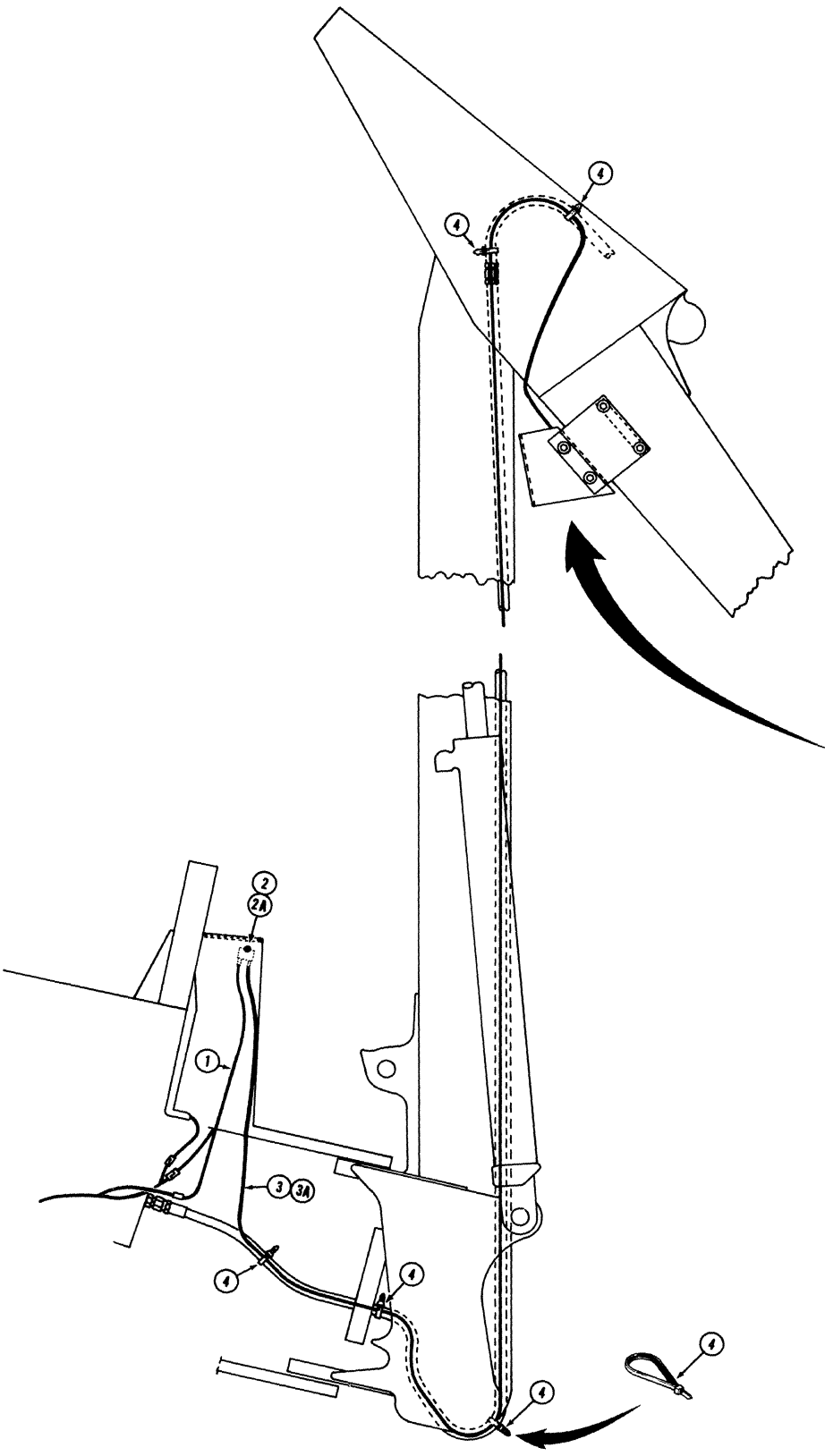
**ELECTRICAL SYSTEM
CAB DEFROSTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 48971	FAN - defroster, cab rear window	1
2	L 30907	GRILLE - fan, front	1
3	L 30904	GRILLE - fan, back	1
4	L 30906	BOLT - special	1
5	L 30902	BLADE ASSEMBLY - fan	1
6	129- 26	NUT - hex., #8 - 36 NF	2
7	L 35760	WASHER - special	2
8	D 54871	MOTOR - fan, 24 volt	1
9	L 30900	BASE - fan	1
10	L 30909	KNOB - control	1
11	L 30908	NUT - hex., special	1
12	D 54872	SWITCH - control	1
13	L 30910	SCREW - thumb swivel, if used	1



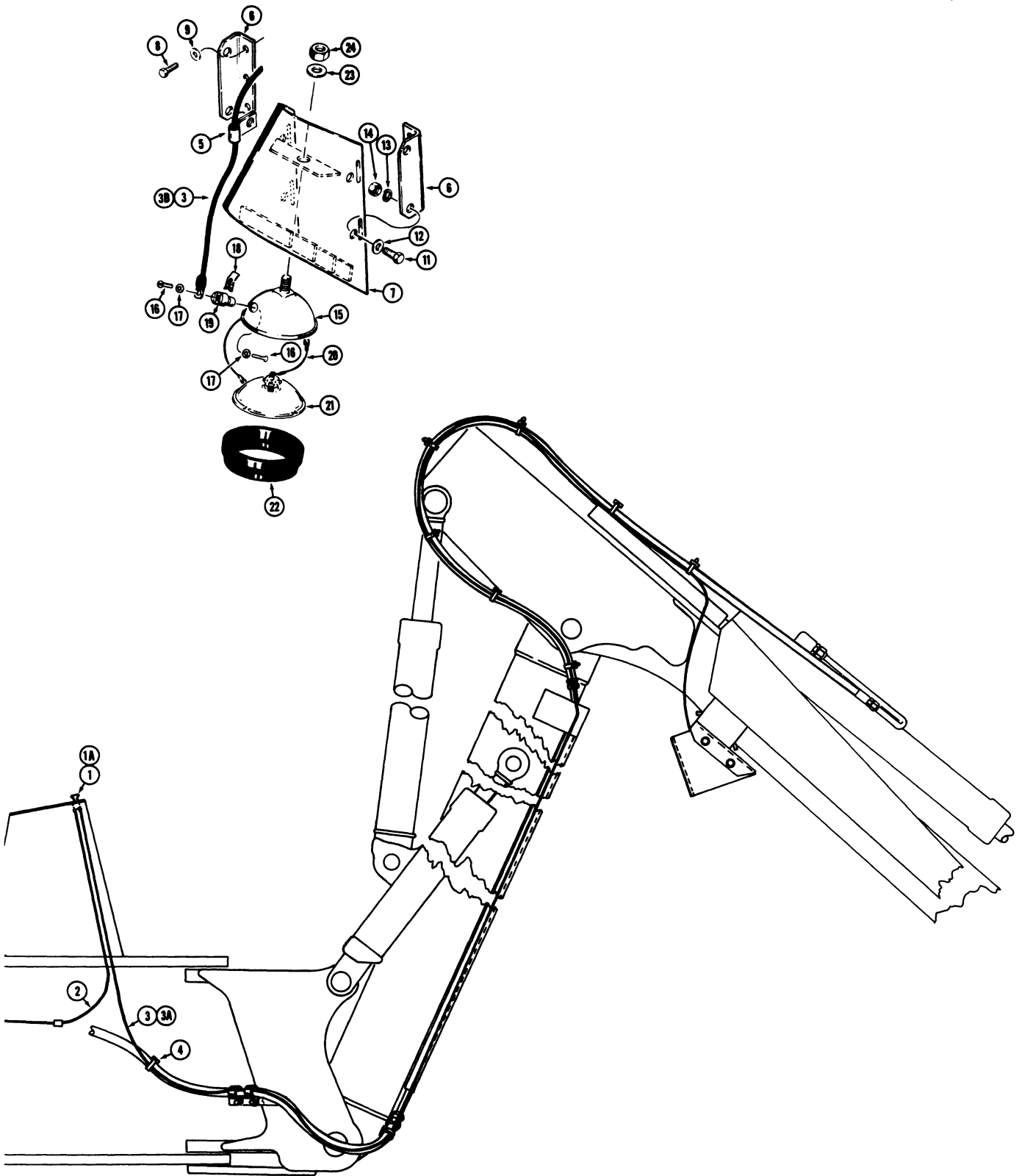
**ELECTRICAL SYSTEM
WIPER MOTORS**

REF.	PART NO.	DESCRIPTION	REQ'D
	REF.	MOTOR - wiper, front, bullet connectors, use F93455	1
	F 93455	MOTOR - wiper, front, spade connectors	1
1	D 71423	MOTOR - 24 volt	1
2	F 44453	WASHER - wave	1
3	193- 1001	NUT AND EXTERNAL WASHER - 1/4" - 28 NF	1
4	A 36091	ARM - drive	1
5	F 44455	CLIP - spring	2
6	D 72849	SCREW AND WASHER - #10 - 32 NF	2
7	D 72850	BRACKET	1
8	D 71427	LINK	1
9	A 22431	SPACER - washer	2
	D 72848	SHAFT AND PIVOT	1
10	NSS	SHAFT	1
11	D 71417	WASHER - felt	1
12	D 71418	WASHER - flat	1
13	D 71419	NUT	1
14	D 71420	COVER - rubber	1
15	D 71421	SPROCKET - driver	1
16	193- 9	WASHER - lock, 5/16"	1
17	D 71472	NUT - cap	1
18	129- 161	NUT - hex, 1/4" - 28 NF	1
19	193- 60	WASHER - flat, 1/4"	1
20	D 73642	PIN - threaded	1
21	F 44456	SCREW - round head slotted, #10 - 32 NF x 3/8"	2
22	92- 3	WASHER - flat, #10, if used	2



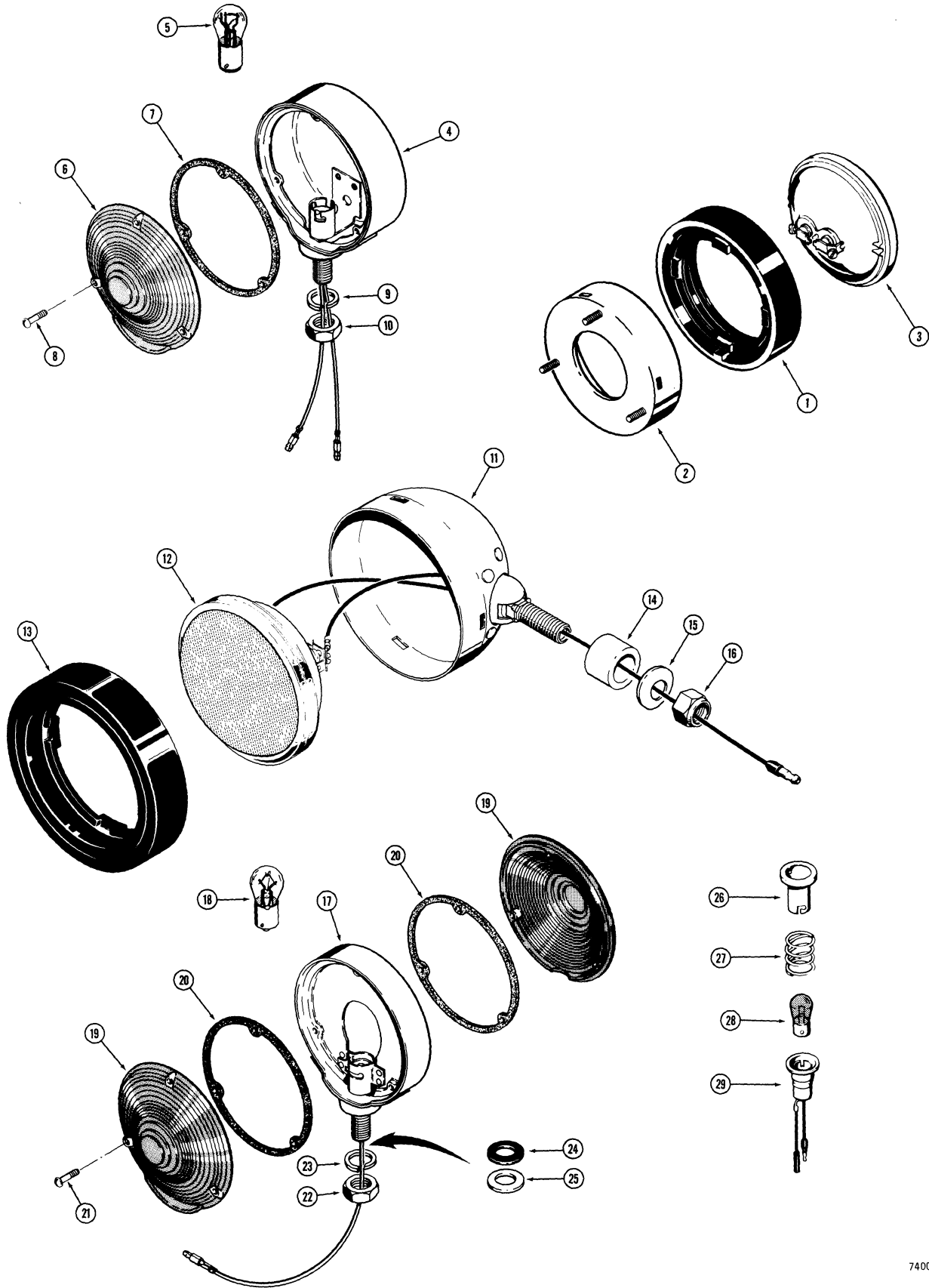
**ELECTRICAL SYSTEM
DIPPER LIGHT FOR NON-EXTENDABLE DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D
1	L 73161m	WIRE - rear harness to dipper light switch, 36" (914 mm) long	1
2	A 39887	SWITCH - dipper light	1
2A	A 39888	NUT - switch mounting	1
3	NSS	WIRE - switch to dipper light, 185" (4699 mm) long, if used, order items 3A and 3B	1
3A	L 79801	WIRE - from switch, 28" (711 mm) long	1
3B	L 79986	WIRE - to dipper light, 209" (5308 mm) long	1
4	L 11541	STRAP - tie, wire retaining	UAR
5	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	4
6	92- 8	WASHER - lock, 1/2"	4
7	95- 8	WASHER - flat, 1/2"	4
8	D 41427	SHIELD - dipper light	1
9	49857	CLAMP - wire	1
10	25- 108	NUT - hex, 1/2" - 13 NC	4
11	13- 814	HHCS - 1/2" - 13 NC x 7/8"	4
12	92- 8	WASHER - lock, 1/2"	4
13	95- 8	WASHER - flat, 1/2"	4
14	L 58510	PLATE - mounting, dipper lamp	2
15	L 50502	BLOCK - tapped, weld on	2
16	131- 354	NUT - hex, self lock. 1/2" - 13 NC	1
17	195- 33	WASHER - flat, 1/2"	1
	L 45149	LAMP ASSEMBLY - dipper arm	1
18	NSS	BODY - lamp	1
19	173- 73	SCREW - machine, round head, #8 - 32 NC x 1/4"	2
20	193- 25	WASHER - external tooth lock, #8	2
21	10927	SPRING - lamp	1
22	B 50293	INSULATOR - lamp	1
23	A 40033	WIRE - lamp	1
24	L 10499	BULB - sealed beam, 24 volt (#4589)	1
25	D 31441	RETAINER - lamp	1



**ELECTRICAL SYSTEM
DIPPER LIGHT FOR EXTENDABLE DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 39887	SWITCH - dipper light	1
1A	A 39888	NUT - switch mounting	1
2	L 73161	WIRE - rear wiring harness to switch, 36" (914 mm) long	1
3	L 55370	WIRE - dipper light, 266" (6756 mm) long, used before sn. 9122202, if used	1
3	NSS	WIRE - dipper light, 254" (6451 mm) long, used on sn. 9122201 and after, if used, order items 3A and 3B	1
3A	L 79801	WIRE - from switch, 28" (711 mm) long, used on sn. 9122201 and after	1
3B	L 100002	WIRE - to dipper light, 254" (6451 mm) long, used on sn. 9122201 and after	1
4	L 11541	STRAP - wire	12
5	49857	CLAMP - wire, at dipper light	1
6	L 59067	ANGLE - dipper light bracket	2
7	D 41427	SHIELD - dipper light	1
8	26- 624	HHCS - 3/8" - 16 NC x 1-1/2", grade 8	4
9	D 41740	WASHER - special	4
10		RESERVED	
11	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	4
12	5- 8	WASHER - flat, 1/2"	4
13	92- 8	WASHER - lock, 1/2"	4
14	25- 108	NUT - hex, 1/2" - 13 NC	4
	L 45149	LIGHT ASSEMBLY - dipper arm	1
15	NSS	BODY - light	1
16	173- 73	SCREW - machine, round head, #8 - 32 NC x 1/4"	2
17	193- 25	WASHER - external tooth lock, #8	2
18	10927	SPRING - light	1
19	B 50293	INSULATOR - light	1
20	A 40033	WIRE - light	1
21	L 10499	LIGHT - sealed beam, 24 volt (#4589)	1
22	D 31441	RETAINER - light	1
23	195- 33	WASHER - flat, 1/2"	1
24	131- 354	NUT - hex, self lock, 1/2" - 13 NC	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 105

**ELECTRICAL SYSTEM
LIGHTS**

REF.	PART NO.	DESCRIPTION	REQ'D.
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L43743 FRONT LIGHT

L	43743	LIGHT ASSEMBLY - front, 24 volt	2
1	A 25213	RETAINER - light	1
2	R 17306	BODY - light	1
3	L 10499	LAMP - sealed beam (#4589)	1

L43737 STOP AND TAIL LIGHT

L	43737	LIGHT ASSEMBLY - stop and tail	2
4	NSS	BODY - light	1
5	L 33194	BULB - light (#1662)	1
	L 32213	LENS KIT - replacement	1
6	NSS	LENS - red	1
7	NSS	GASKET - lens	1
8	173- 279	SCREW - machine, #6 - 32 NC x 5/8"	3
9	192- 23	WASHER - lock, 1/2"	1
10	129- 125	NUT - hex., self lock, 1/2" - 20 NF	1

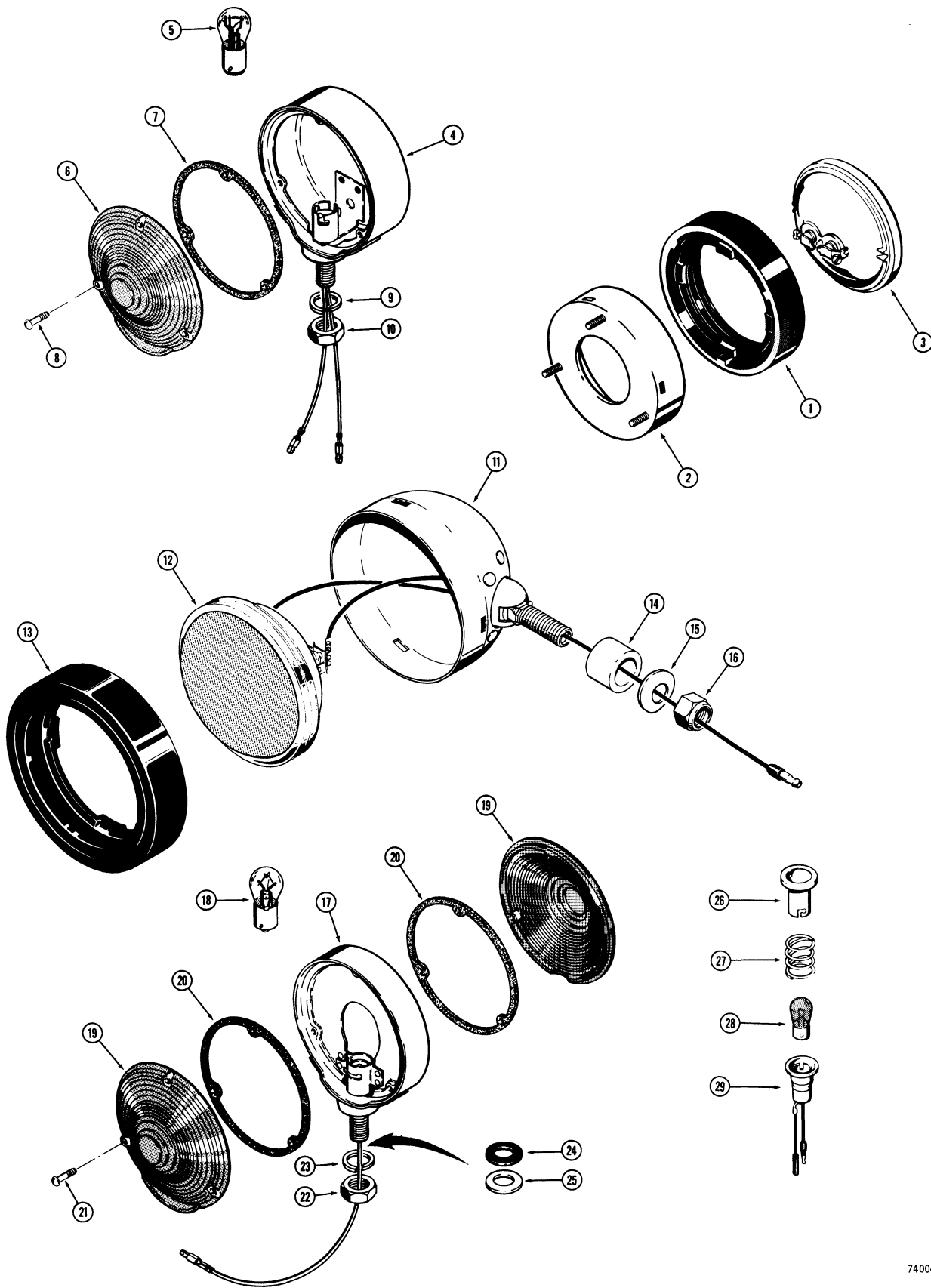
D71193 REAR FLOOD LIGHT

D	71193	LIGHT ASSEMBLY - rear flood, 24 volt	2
11	NSS	BODY - light	1
12	A 25212	LAMP - sealed beam (#4593)	1
13	A 25213	RETAINER - light	1
14	D 37048	BUSHING - light pivot	1
15	D 37049	WASHER - special	1
16	131- 9	NUT - hex., self lock, 1/2" - 20 NF	1

L43738 TURN SIGNAL AND FLASHER

L	43738	LIGHT ASSEMBLY - turn signal and flasher	2
17	NSS	BODY - light	1
18	L 32257	BULB - light (#307)	1
	L 32214	LENS KIT - replacement	2
19	NSS	LENS - signal light	1
20	NSS	GASKET - lens	1
21	173- 279	SCREW - machine, #6 - 32 NC x 5/8"	3
22	129- 125	NUT - hex., 1/2" - 20 NF	1
23	192- 23	WASHER - lock, 1/2"	1
24	L 32256	WASHER - rubber	1
25	195- 106	WASHER - flat, 1/2"	1

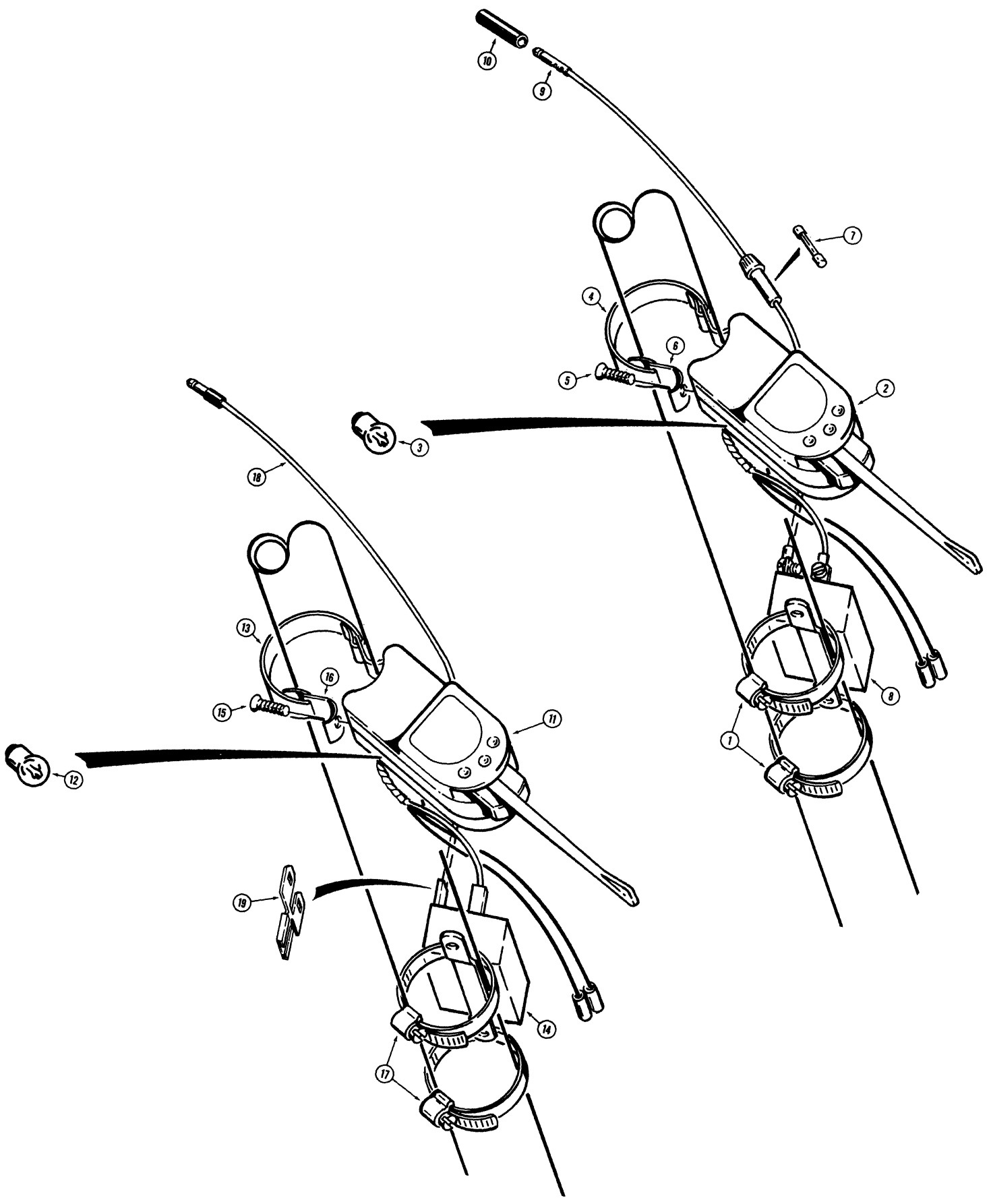
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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 107

**ELECTRICAL SYSTEM
LIGHTS**

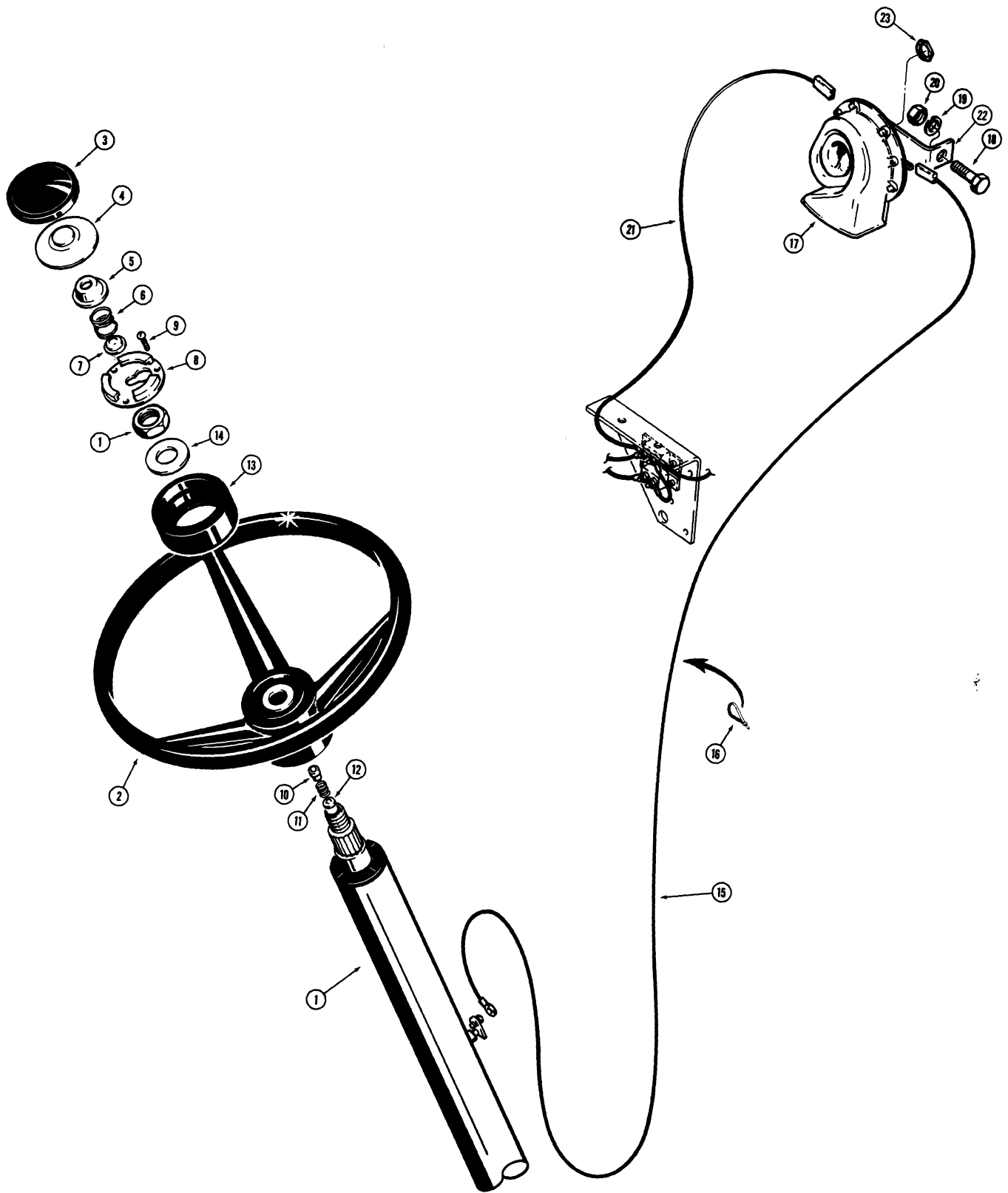
REF.	PART NO.	DESCRIPTION	REQ'D.
L73251 ENGINE WARNING LIGHT			
	L 73251	LIGHT ASSEMBLY - engine warning, backhoe console, with red bulb and clear lens, if used	1
26	L 36002	LENS AND HOUSING - clear	1
27	L 30505	SPRING - light	1
28	45490	BULB - red (#1003R)	1
29	NSS	SOCKET - light base	1
L78150 ENGINE WARNING LIGHT			
	L 73251	LIGHT ASSEMBLY - engine warning, backhoe console, with clear bulb and red lens, if used	1
26	D 78345	LENS AND HOUSING - red	1
27	L 30505	SPRING - light	1
28	B 50223	BULB - clear (#1003)	1
29	NSS	SOCKET - light base	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 109

**ELECTRICAL SYSTEM
TURN SIGNAL AND FLASHER CONTROL**

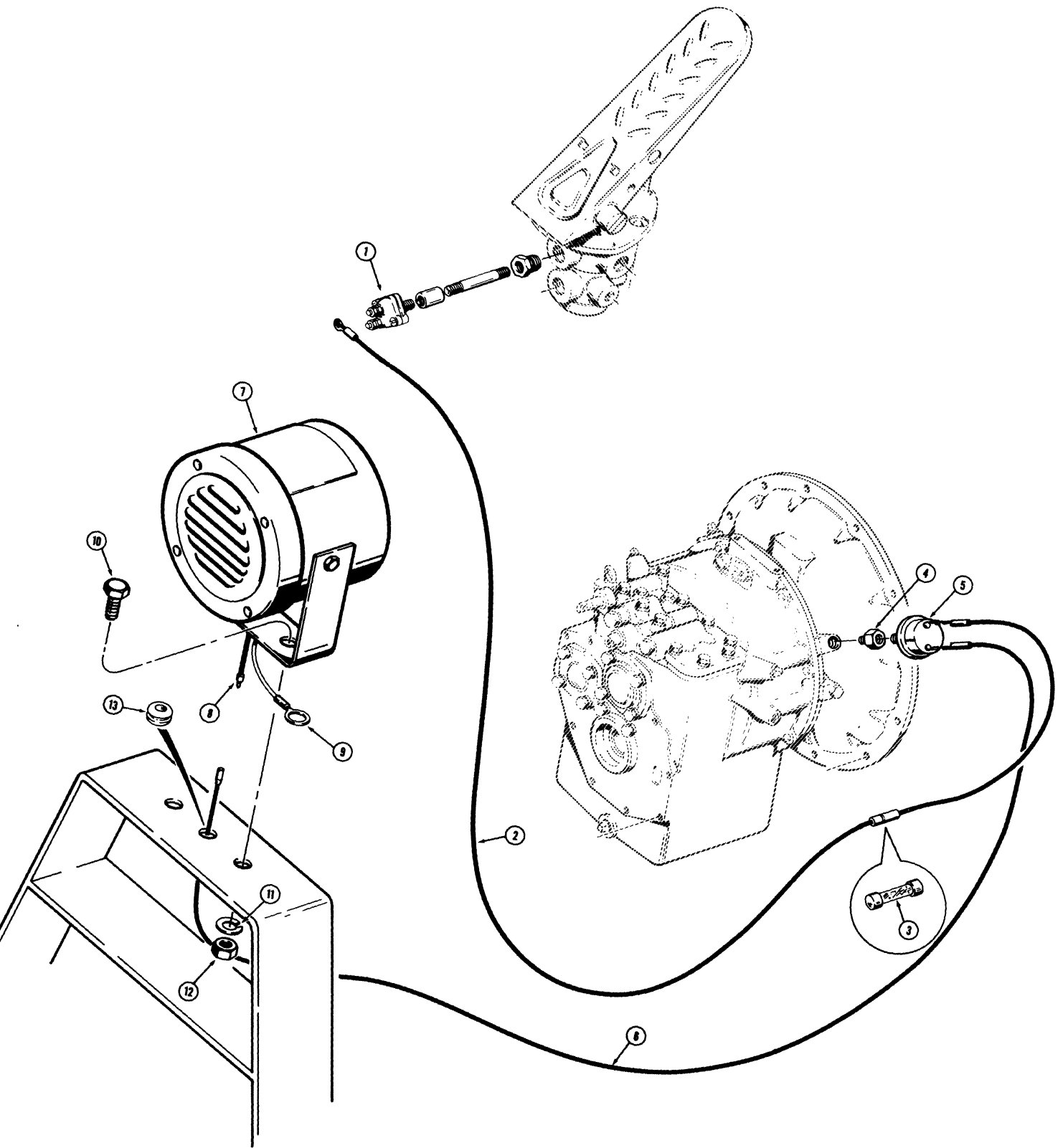
REF.	PART NO.	DESCRIPTION	REQ'D.
EARLY PRODUCTION			
1	214- 258	CLAMP - flasher switch	2
	L 52823	SIGNAL - turn and flasher, use L73667 signal, L59393 wire and F43508 spade	1
2	NSS	SWITCH - turn signal	1
3	A 14928	BULB - directional indicator, 24 volt (#358)	1
4	L 32658	STRAP - mounting, signal	1
	L 32659	KIT - mounting, turn signal	1
5	169- 148	SCREW - flat head machine, #8 - 32 NC x 1"	2
6	NSS	CLIP - strap mounting	2
7	223- 6	FUSE - 6 amp (3AG6)	1
8	L 32657	FLASHER - signal	1
9	L 11778	BULLET - connecting, male	1
10	L 11779	TUBING - protective	1
LATE PRODUCTION			
	L 73252	SIGNAL KIT - turn and flasher, use L73667 signal, L73672 wire and F43508 spade	1
	L 73667	SIGNAL KIT - turn and flasher	1
11	NSS	SWITCH - turn signal	1
12	A 14928	BULB - direction indicator, 24 volt (#358)	1
13	L 32658	STRAP - mounting, signal	1
14	NSS	FLASHER - signal	1
	L 32659	KIT - mounting, turn signal	1
15	169- 148	SCREW - flat head machine, #8 - 32 NC x 1"	2
16	NSS	CLIP - strap mounting	2
17	214- 258	CLAMP - flasher mounting	2
18	L 73672	WIRE - to circuit breaker, L73667 signal	1
19	F 43508	TERMINAL - spade, L73672 wire	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 111

ELECTRIC HORN

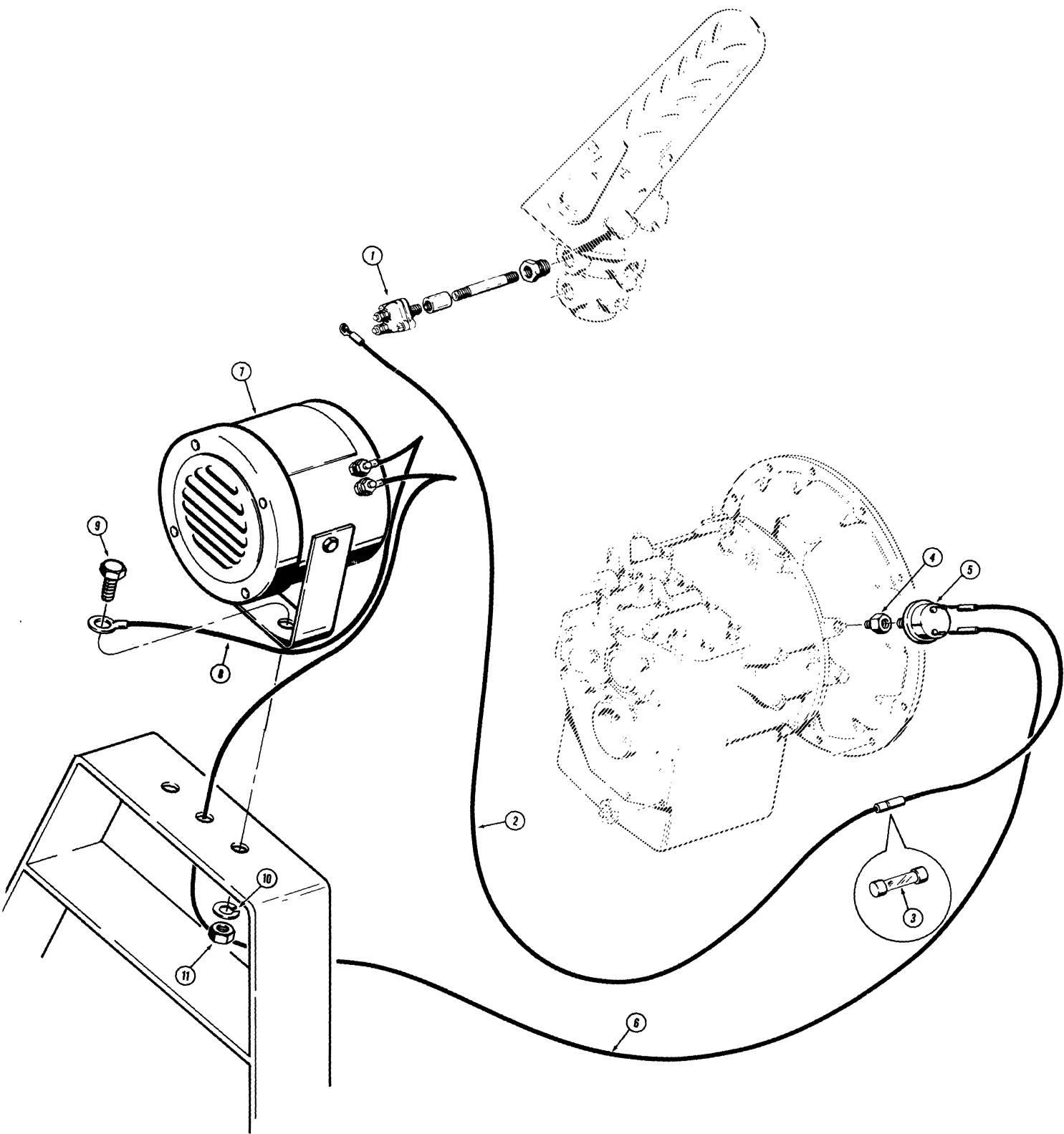
REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	GEAR AND VALVE - steering, parts list page 125 and 127	1
2	A 65544	WHEEL - steering	1
	A 16843	BUTTON ASSEMBLY - horn	1
3	A 13088	COVER - horn button	1
4	A 13089	BUTTON - horn	1
5	A 13092	CUP - contact	1
6	A 13091	SPRING - button	1
7	A 13090	CAP - contact	1
8	A 13093	PLATE - base	1
9	187- 321	SCREW - self-tapping, #8 - 32 NC x 1/2"	3
10	A 13058	FERRULE - insulating	1
11	A 13059	SPRING - contact (Not used on 680E)	1
12	A 13057	CONTACT - lower (Not used on 680E)	1
13	L 60175	ADAPTOR - horn button	1
14	195- 2099	WASHER - flat, 7/8", plated	1
15	L 70486	WIRE - steering column to horn	1
16	L 11541	TIE - wire mounting	2
17	*L 10353	HORN - electric, 24 volt	1
18	13- 520	HHCS - 3/8" - 16 NC x 1-1/4"	1
19	92- 5	WASHER - lock, 3/8"	1
20	25- 105	NUT - hex., 3/8" - 16 NC	1
21	L 70487	WIRE - horn to circuit breaker	1
22	*L 73799	BRACKET - horn mounting	1
23	*L 30866	NUT - horn mounting	1
	*D 77650	HORN ASSEMBLY - includes items above preceded by an asterisk	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 113

**BACKUP ALARM
EARLY PRODUCTION**

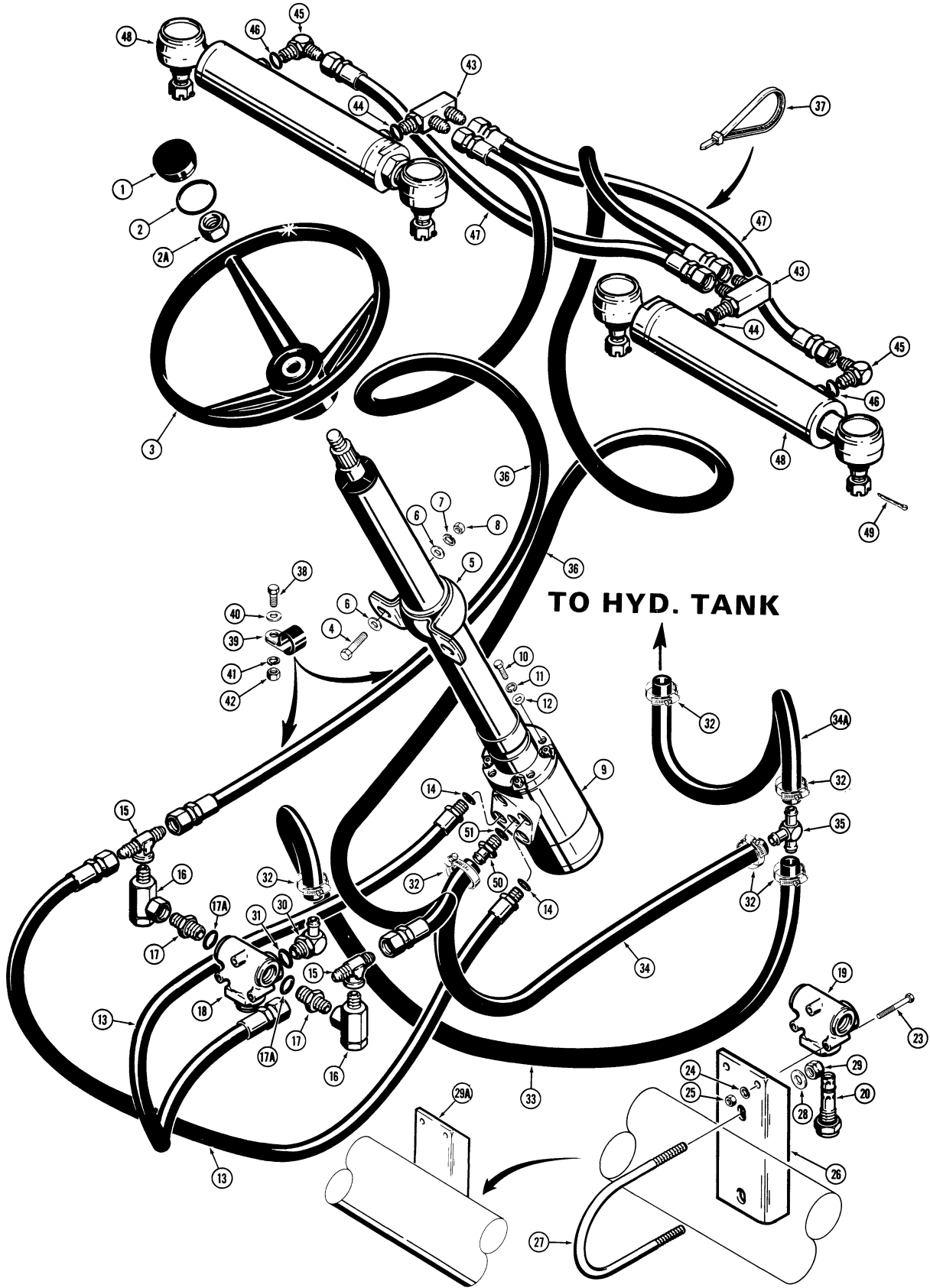
REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 47989	SWITCH - stop light	1
2	L 57475	WIRE - jumper, stop light switch to pressure switch, orange-black color	1
2	L 79089	WIRE - jumper, stop light switch to pressure switch, pink-white color	1
3	223- 10	FUSE - protective, 10 amp. (3AG10)	1
4	221- 51	BUSHING - reducing, 1/4" NPT to 1/8" NPT	1
5	L 57459	SWITCH - pressure, alarm	1
6	L 57474	WIRE - pressure switch to alarm	1
	L 57528	ALARM ASSEMBLY - backup	1
7	NSS	ALARM - backup	1
8	R 18653	CONNECTOR - male bullet	1
9	223- 56	EYELET - backup alarm	1
10	13- 616	HHCS - 3/8" - 16 NC x 1"	2
11	92- 6	WASHER - lock, 3/8"	2
12	25- 106	NUT - hex., 3/8" - 16 NC	2
13	L 13766	GROMMET - wire	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 115

**BACKUP ALARM
LATE PRODUCTION**

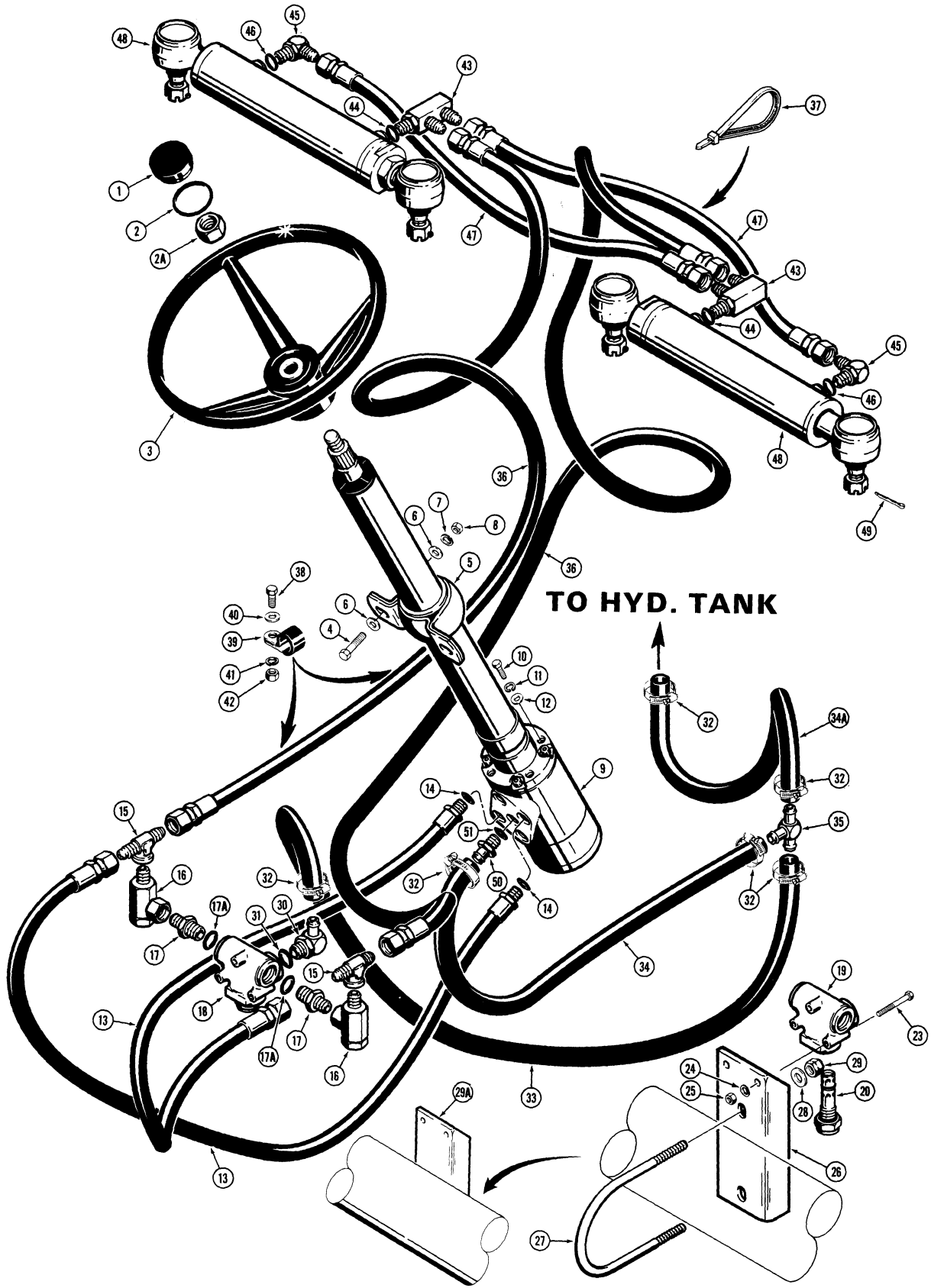
REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 47989	SWITCH - stop light	1
2	L 79089	WIRE - jumper, stop light switch to pressure switch, pink- white color	1
3	223- 10	FUSE - protective, 10 amp, (3AG10)	1
4	221- 51	BUSHING - reducing, 1/4" NPT to 1/8" NPT	1
5	L 57459	SWITCH - pressure, alarm	1
6	L 79067	WIRE - pressure switch to alarm	1
7	L 70498	ALARM ASSEMBLY - backup	1
8	L 59563	WIRE - alarm ground	1
9	13- 616	HHCS - 3/8" - 16 NC x 1"	2
10	92- 6	WASHER - lock, 3/8"	2
11	25- 106	NUT - hex., 3/8" - 16 NC	2



**STEERING HYDRAULICS
MANUAL STEERING PUMP TO STEERING CYLINDERS**

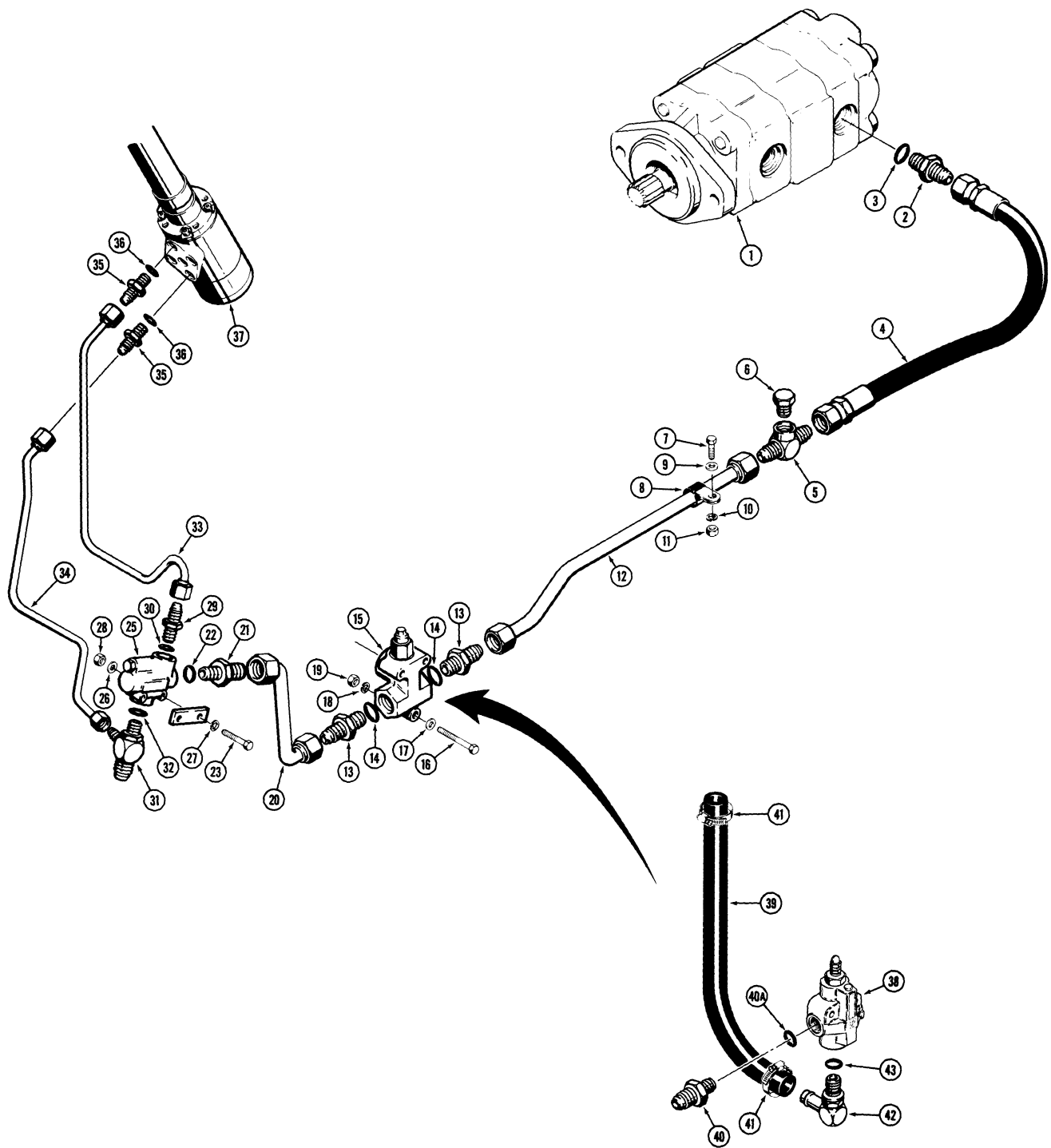
REF.	PART NO.	DESCRIPTION	REQ'D.
1	A 62210	CAP - steering wheel	1
2	A 29884	RING - medallion retaining	1
2A	A 14567	NUT - hex., special (Steering wheel mounting)	1
3	A 65544	WHEEL - steering	1
4	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	2
5	L 45471	BEARING - column support	1
6	95- 6	WASHER - flat, 3/8"	4
7	92- 6	WASHER - lock, 3/8"	2
8	25- 106	NUT - hex., 3/8" - 16 NC	2
9	REF.	GEAR AND VALVE - steering, see page 125 and 127 for proper gear	1
10	13- 512	HHCS - 5/16" - 18 NC x 3/4"	3
11	92- 5	WASHER - lock, 5/16"	3
12	95- 5	WASHER - flat, 5/16"	3
13	L 59106	HOSE - steering valve to relief valve, 17" (432 mm) long	2
14	218- 5005	O-RING - hose	1
15	218- 573	FITTING - at check valve, 3-way	1
16	L 59038	VALVE - check	2
17	218- 5442	FITTING - check valve to relief valve	2
17A	218- 5006	O-RING - fitting	1
18	L 59037	VALVE - secondary relief	1
19	NSS	BODY - valve	1
20	L 36080	CARTRIDGE ASSEMBLY - relief	1
21	NSS	CARTRIDGE - relief, non-adjustable, not shown	1
22	R 31000	KIT - repair, seal, not shown	1
23	13- 432	HHCS - 1/4" - 20 NC x 2"	2
24	92- 4	WASHER - lock, 1/4"	2
25	25- 104	NUT - hex., 1/4" - 20 NC	2
26	L 59107	PLATE - mounting, relief valve, if used	1
27	T 31659	BOLT - "U" type, if used	1
28	95- 6	WASHER - flat, 3/8", if used	2
29	131- 471	NUT - hex., lock, 3/8" - 16 NC, if used	2
29A	REF.	PLATE - mounting, relief valve, welded to chassis	1
30	217- 348	FITTING - 90° adjustable, barb stem	1
31	218- 5006	O-RING - fitting	1
32	214- 254	CLAMP - hose	6
33	L 55952	HOSE - return, relief valve to tank, 1/2" (13 mm) I.D. x 16" (406 mm) long	1
34	L 59112	HOSE - return, steering 1/2" (13 mm) I.D. x 8" (203 mm) long	1
34A	L 77374	HOSE - return, to tank 1/2" (13 mm) I.D. x 8" (203 mm) long	1
35	L 59109	FITTING - barb type, return hoses, 3-way	1
36	L 59105	HOSE - relief valve to steering cylinders, 85" (2159 mm) long	2

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**STEERING HYDRAULICS
MANUAL STEERING PUMP TO STEERING CYLINDERS**

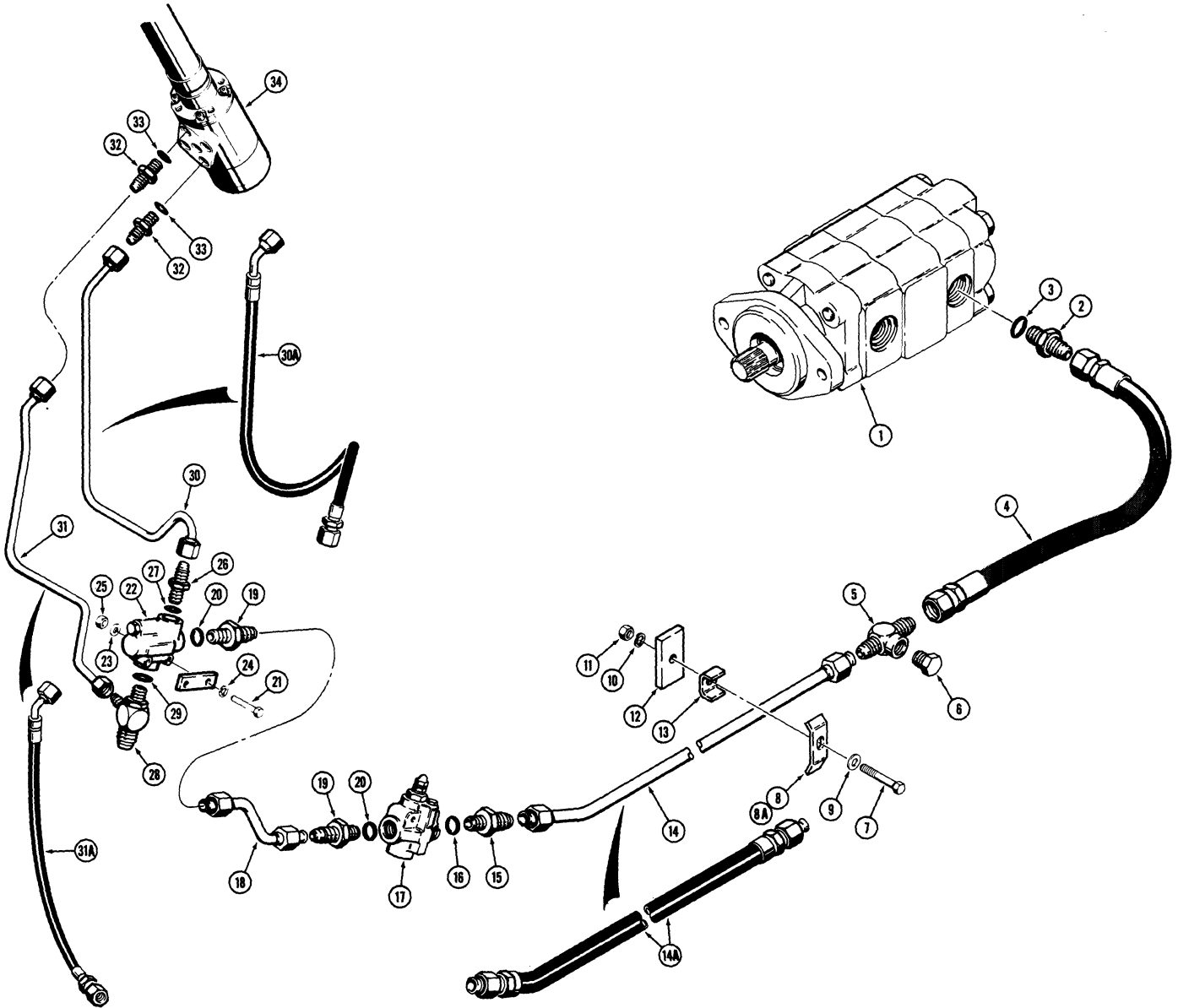
REF.	PART NO.	DESCRIPTION	REQ'D.
37	L 11541	STRAP - hose tie	2
38	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	4
39	49858	CLAMP - hose	4
40	95- 6	WASHER - flat, 3/8"	4
41	92- 6	WASHER - lock, 3/8"	4
42	25- 106	NUT - hex., 3/8" - 16 NC	4
43	L 57911	FITTING - tee, special, closed end of steering cylinder	2
44	218- 5005	O-RING - seal	1
45	218- 5105	FITTING - adjustable, 90°, rod end	2
46	218- 5005	O-RING - fitting	1
47	L 57299	HOSE - R.H to L.H. steering cylinder, 36" (914 mm) long	2
48	G 34886	CYLINDER - steering, parts list page 129	2
49	132- 48	PIN - cotter, 1/8" dia. x 1"	4
50	217- 397	FITTING - hose stem, straight	1
51	218- 5005	O-RING - fitting	1



**STEERING VALVE HYDRAULIC CIRCUIT
*EARLY PRODUCTION**

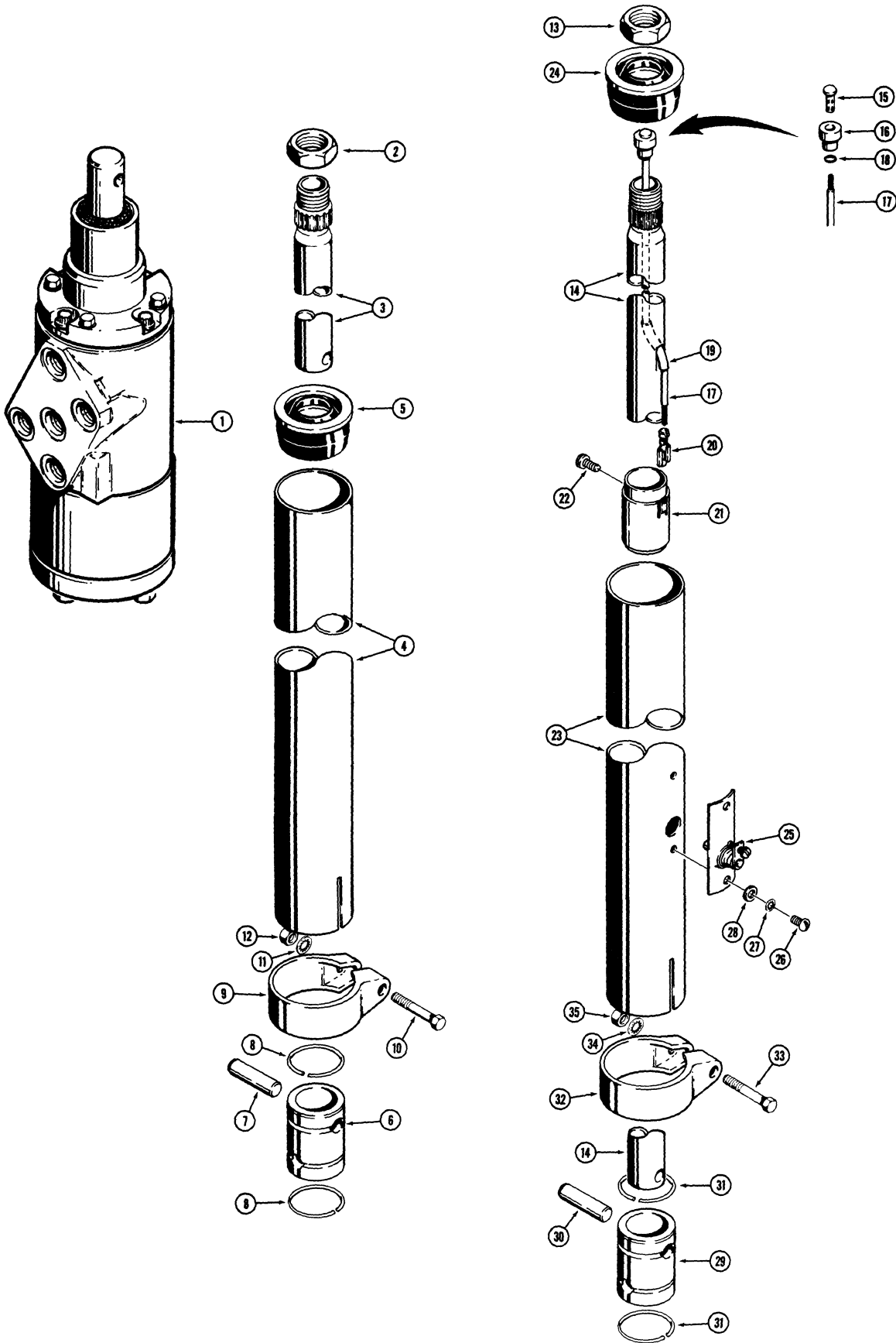
REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 55247	PUMP - hydraulic, equipment, parts list page 335	1
2	218- 5064	FITTING - straight, male connector	1
3	218- 5008	O-RING - fitting	1
4	L 55955	HOSE - pump to relief valve, 26-1/2" (673 mm) long	1
5	218- 576	FITTING - pressure check, 3-way	1
6	218- 665	PLUG - pressure check, 3/4" NPT	1
7	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	1
8	49858	CLAMP - tube, 3/4" (19 mm) tube O.D.	1
9	95- 6	WASHER - flat, 3/8"	1
10	92- 6	WASHER - lock, 3/8"	1
11	25- 106	NUT - hex., 3/8" - 16 NC	1
12	L 55802	TUBE - pump to relief valve	1
13	218- 5064	FITTING - straight, male connector	2
14	218- 5008	O-RING - fitting	1
15	*L 54772	VALVE - relief, hydraulic, parts list page 333	1
16	13- 648	HHCS - 3/8" - 16 NC x 3"	3
17	195- 104	WASHER - flat, 3/8"	3
18	92- 6	WASHER - lock, 3/8"	3
19	25- 106	NUT - hex., 3/8" - 16 NC	3
20	L 55804	TUBE - relief valve to flow divider valve	1
21	218- 5065	FITTING - straight, male connector	1
22	218- 5007	O-RING - fitting	1
23	13- 548	HHCS - 5/16" - 18 NC x 3"	2
24		RESERVED	
25	L 54770	VALVE - flow control, parts list page 331	1
26	195- 2042	WASHER - flat, 5/16"	2
27	92- 5	WASHER - lock, 5/16"	2
28	25- 105	NUT - hex., 5/16" - 18 NC	2
29	218- 5060	FITTING - straight, male connector	1
30	218- 5007	O-RING - fitting	1
31	218- 5576	FITTING - adjustable, 3-way	1
32	218- 5007	O-RING - fitting	1
33	L 55806	TUBE - upper port of flow control valve to steering valve	1
34	L 55808	TUBE - lower port of flow control valve to steering valve	1
35	218- 5351	FITTING - straight, male connector	2
36	218- 5005	O-RING - fitting	1
37	REF.	VALVE - steering control, see page 127 for proper valve	1
	L 71138	KIT - relief valve	1
38	L 59641	VALVE - relief, hydraulic, parts list page 333	1
39	L 71137	HOSE - return, relief valve, 1" (25 mm) I.D. x 26" (660 mm) long	1
40	218- 5065	FITTING - straight, male connector	2
40A	218- 5007	O-RING - fitting	1
41	214- 257	CLAMP - hose	2
42	217- 366	FITTING - 90°, barb stem adjustable	1
43	218- 5008	O-RING - fitting	1

*NOTE: Early production circuits used a Gresch manufactured relief valve. For service of complete relief valve, order L71138 relief valve kit, parts list above.



**STEERING VALVE HYDRAULIC CIRCUIT
*LATE PRODUCTION**

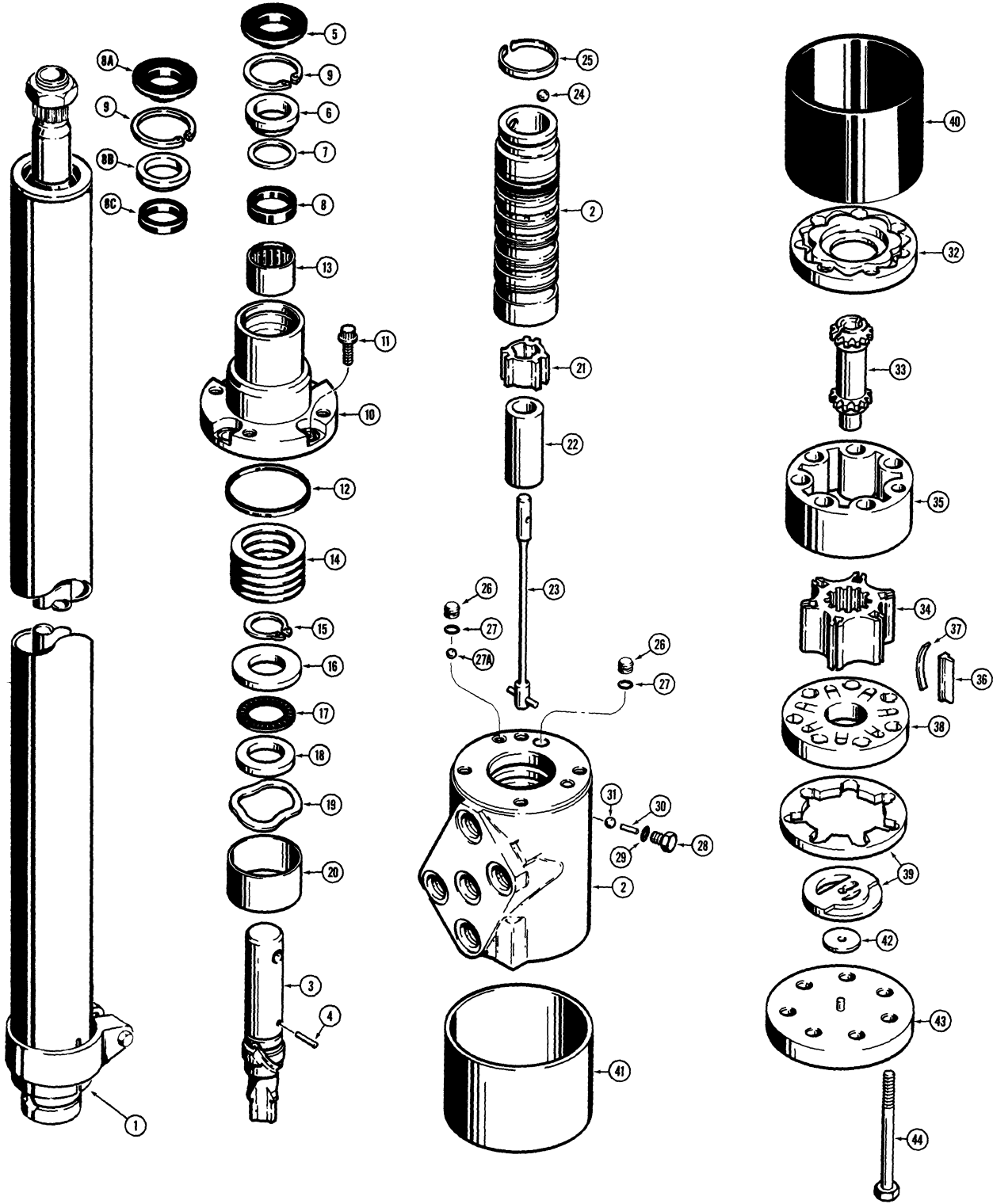
REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 55247	PUMP - hydraulic, equipment, parts list page 335	1
2	218- 5064	FITTING - straight, male connector	1
3	218- 5008	O-RING - fitting	1
4	L 55955	HOSE - pump to relief valve, 26-1/2" (673 mm) long	1
5	218- 583	TEE - pressure check, steering valve	1
6	218- 665	PLUG - pressure check, 3/4" NPT	1
7	13- 648	HHCS - 3/8" - 16 NC x 3"	1
8	L 17788	CLAMP - used with tubes only	1
8A	L 59126	CLAMP - used with hoses, see item 14A	1
9	95- 6	WASHER - flat, 3/4"	1
10	92- 6	WASHER - lock, 3/8"	1
11	25- 106	NUT - hex., 3/8" - 16 NC	1
12	D 37116	BLOCK - spacer, tube mounting	1
13	L 59801	CHANNEL - tube mounting, used with tubes only	1
14	L 59796	TUBE - to relief valve	1
14A	L 71569	HOSE - to relief valve, models with increased noise control, 29-1/4" (743 mm) long	1
15	218- 5046	FITTING - straight, male connector	2
16	218- 5010	O-RING - fitting	1
17	L 59641	VALVE - relief, hydraulic, parts list page 333	1
18	L 59790	TUBE - relief valve to flow divider valve	1
19	218- 5065	FITTING - straight, male connector	2
20	218- 5007	O-RING - fitting	1
21	13- 548	HHCS - 5/16" - 18 NC x 3"	2
22	L 54770	VALVE - flow control, parts list page 331	1
23	195- 2042	WASHER - flat, 5/16"	2
24	92- 5	WASHER - lock, 5/16"	2
25	25- 105	NUT - hex., 5/16" - 18 NC	2
26	218- 5060	FITTING - straight, male connector	1
27	218- 5007	O-RING - fitting	1
28	218- 5576	TEE - adjustable	1
29	218- 5007	O-RING - seal	1
30	L 55806	TUBE - upper port of flow control valve to steering valve	1
30A	L 71566	HOSE - special, upper port of flow control valve to steering valve, models with increased noise control	1
31	L 55808	TUBE - lower port of flow control valve to steering valve	1
31A	L 71567	HOSE - special, lower port of flow control valve to steering valve, models with increased noise control	1
32	218- 5351	FITTING - straight, male connector	2
33	218- 5005	O-RING - fitting	1
34	REF.	VALVE - steering control, see page 127 for proper valve	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 125

STEERING COLUMN

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 54773	STEERING COLUMN ASSEMBLY - tractor, models without electric horn	1
	L 59941	STEERING COLUMN ASSEMBLY - tractor, models with electric horn	1
1	L 36068 NSS	VALVE ASSEMBLY - steering, parts list page 127	1
		SHAFT AND TUBE - steering column, models without electric horn	1
2	A 14567	NUT - steering wheel	1
3	L 36008	SHAFT - steering column	1
	L 36009	TUBE ASSEMBLY - shaft	1
4	NSS	TUBE - jacket, shaft	1
5	L 35675	BEARING AND SEAL - shaft	1
6	L 35654	PIN - coupling	2
	D 72851	KIT - coupling	1
7	NSS	COUPLING - steering column shaft and valve shaft	1
8	NSS	RING - pin retaining	2
	L 35657	CLAMP ASSEMBLY - tube	1
9	NSS	CLAMP - tube	1
10	14- 532	HHCS - 5/16" - 24 NF x 2"	1
11	193- 29	WASHER - internal tooth lock, 5/16"	1
12	129- 122	NUT - hex., 5/16" - 24 NF, zinc plated	1
	NSS	SHAFT AND TUBE - steering column, models with electric horn	1
		NUT - steering wheel	1
13	A 14567	NUT - steering wheel	1
14	D 66476	SHAFT - steering column	1
	D 66478	CABLE ASSEMBLY - electric horn	1
15	A 14954	TERMINAL - electric horn	1
16	A 13058	FERRULE - cable guide	1
17	NSS	CABLE - electric horn	1
18	T 30271	O-RING - cable protection	1
19	D 66479	TUBING - cable protection	1
20	D 66480	TERMINAL - electric horn	1
21	D 66477	RING - contact, electric horn	1
22	182- 82	SCREW - ring mounting	1
	D 66475	TUBE ASSEMBLY - steering column	1
23	NSS	TUBE - steering column	1
24	L 35675	BEARING AND SEAL - steering column	1
25	A 13060	TERMINAL - electric horn connections	1
26	182- 82	SCREW - #8 - 32 NC x 1/4"	2
27	193- 41	WASHER - internal tooth lock, #8	2
28	195- 10	WASHER - flat, #8	2
29	L 35653	COUPLING - steering column and pump shaft	1
30	L 35654	PIN - coupling	2
31	L 35655	RING - pin retaining	2
	L 35657	CLAMP ASSEMBLY - tube	1
32	NSS	CLAMP - tube	1
33	14- 532	HHCS - 5/16" - 24 NF x 2"	1
34	193- 29	WASHER - internal tooth lock, 5/16"	1
35	129- 122	NUT - hex., 5/16" - 24 NF, plated	1

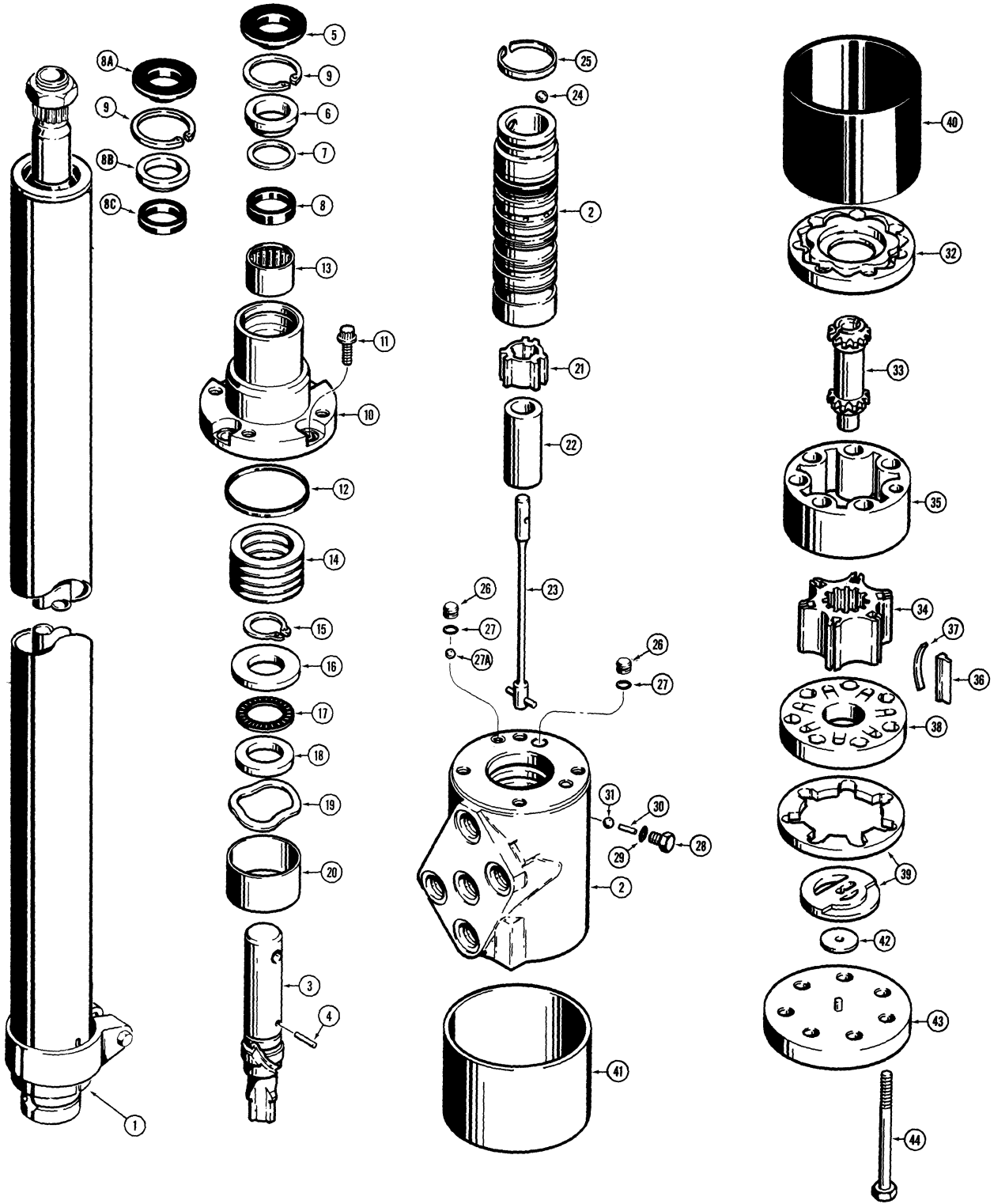


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 127

STEERING VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
L	54773	STEERING COLUMN ASSEMBLY - tractor, models without electric horn	1
L	59941	STEERING COLUMN ASSEMBLY - tractor, models with electric horn	1
1	NSS	SHAFT AND TUBE — steering column, models without electric horn, parts list page 125	1
1	NSS	SHAFT AND TUBE - steering column, models with electric horn, parts list page 125	1
L	36068	VALVE ASSEMBLY - steering	1
2	NSS	HOUSING AND SPOOL ASSEMBLY	1
3	A	43551 SHAFT - input, pump	1
4	D	53297 PIN - torsion bar retaining	1
	D	65140 SEAL KIT - shaft, order D73671 kit for service	1
5	NSS	SEAL - dust	1
6	NSS	RING - seal	1
7	NSS	SPACER - seal kit	1
8	NSS	PACKING - input shaft	1
	D	73671 SEAL KIT - shaft	1
8A	D	70586 SEAL - dust	1
8B	NSS	RING - seal	1
8C	NSS	SEAL AND SPACER - shaft	1
9	A	21145 SNAP RING - bearing retaining	1
10	D	65139 COVER - upper, uses cast bushing surface	1
11	A	43567 SCREW - 5/16" - 18 NC x 3/4"	4
12	A	43566 SEAL - cover	1
13	A	43564 BEARING - roller, needle, used with A43562 cover only	1
14	A	44435 SHIM KIT - cover	1
15	A	43720 RING - retaining, shaft	1
16	A	43558 WASHER - thrust	1
17	F	19633 BEARING - thrust	1
18	F	19634 WASHER - thrust	1
19	A	43721 WASHER - wave	1
20	A	43728 SPACER - bearing	1
21	A	43554 RING - drive	1
22	L	36070 SPACER - drive link	1
23	L	36069 BAR - torsion	1
24	211-	9 BALL - 5/16" dia.	1
25	A	43560 SPRING - preload	1
	L	36015 PLUG ASSEMBLY - valve	1-2
26	NSS	PLUG - valve	1
27	A	43729 O-RING - seal	1
27A	211-	7 BALL - check	1
	F	82943 CHECK ASSEMBLY - ball type	1
28	NSS	PLUG - check assembly	1
29	218-	5002 SEAL - O-ring	1
30	138-	60 PIN - check assembly	1
31	211-	7 BALL - check assembly	1
32	A	43569 SPACER - link	1

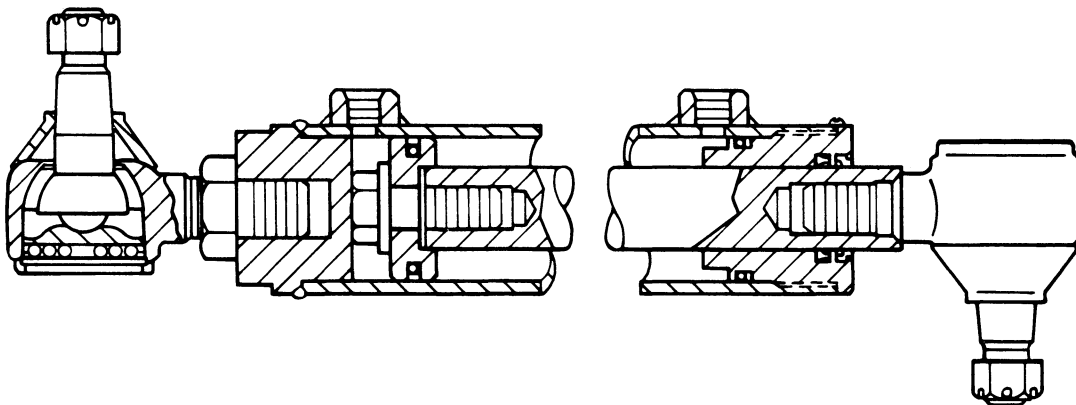
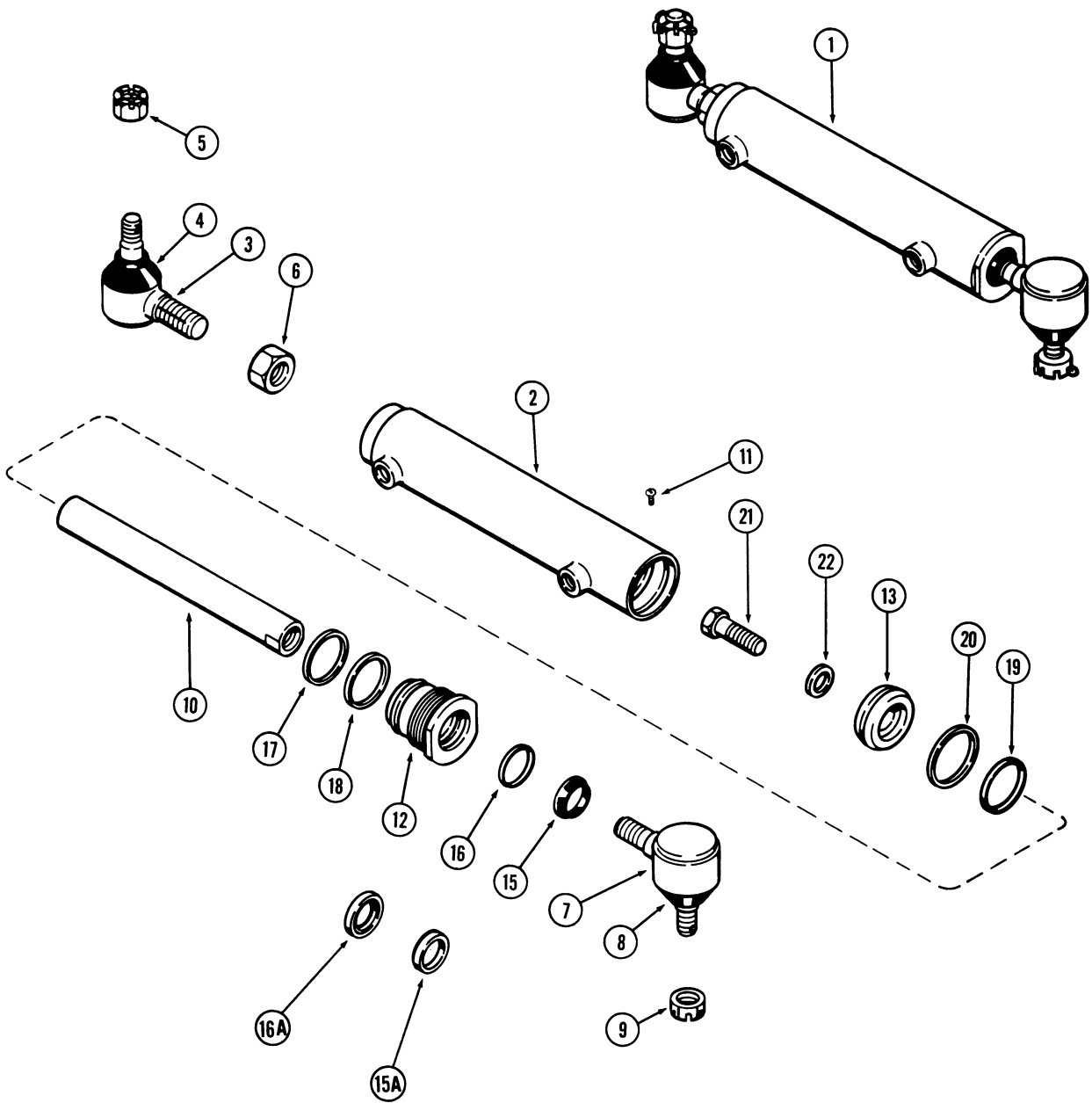
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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 127B

STEERING VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 54773	STEERING COLUMN ASSEMBLY - tractor, models without electric horn	1
	L 59941	STEERING COLUMN ASSEMBLY - tractor, models with electric horn	1
33	A 43568	LINK - drive	1
	D 66466	ROTOR SET - valve	1
34	NSS	GEAR - star	1
35	NSS	GEAR - ring	1
36	L 36076	VANE - valve star	6
37	L 36075	SPRING - vane	6
38	A 43573	MANIFOLD - valve	1
39	A 43574	COMMUTATOR - valve	1
40	L 36072	SEAL - rotor	1
41	D 71233	RETAINER - seal	1
42	A 43579	WASHER - wear, rotor	1
43	A 43580	COVER - end	1
44	L 36074	HHCS - 5/16" - 18 NC x 3-1/4", special	7



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 129

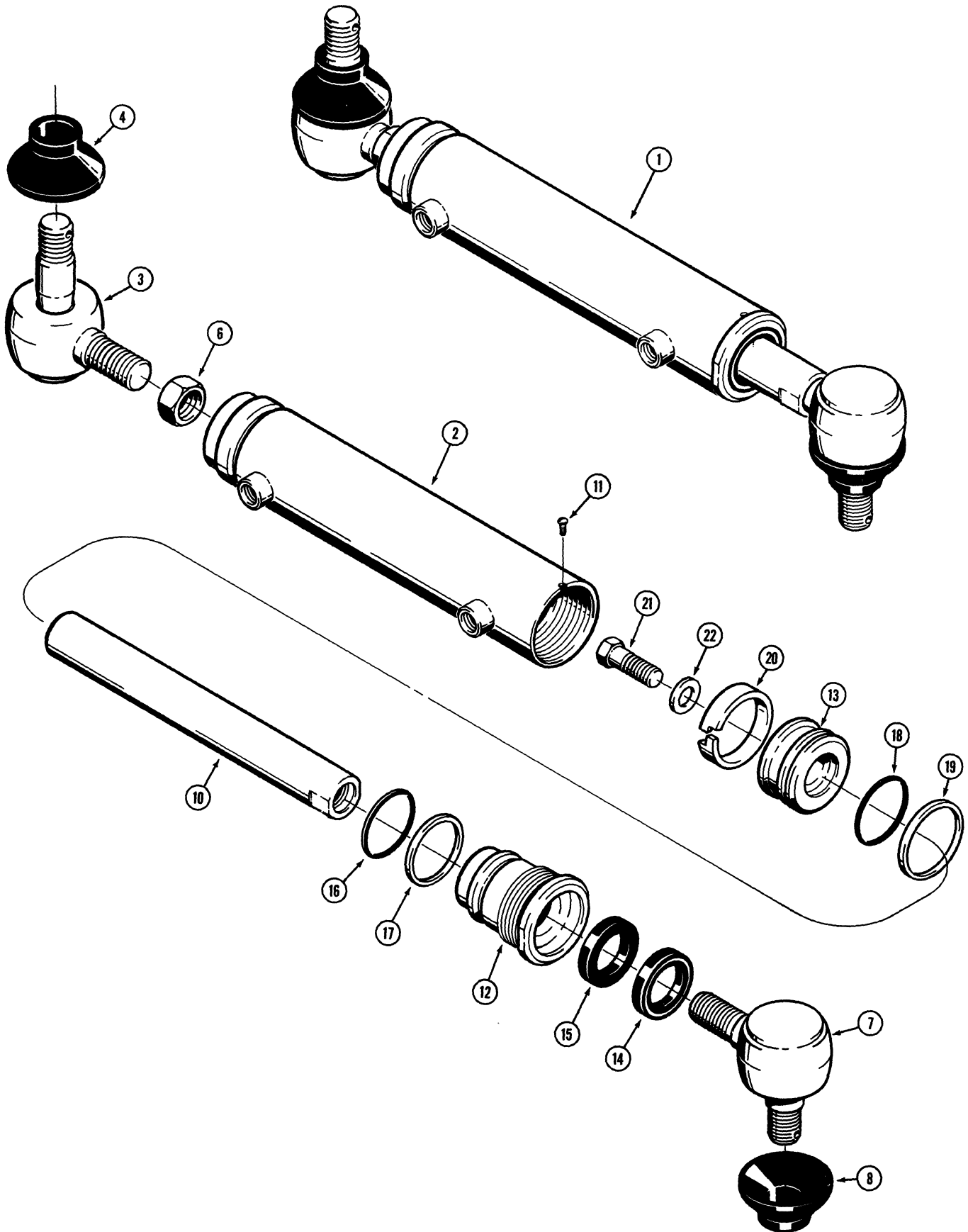
G34886 STEERING CYLINDER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34886	CYLINDER ASSEMBLY - 2-1/8" (54 mm) I.D. x 7-1/2" (190 mm) stroke	2
2	G 34691	TUBE - cylinder body	1
3	L 59042	BALL JOINT ASSEMBLY - closed end	1
4	D 72832	COVER - dust	1
5	25- 1314	NUT - hex., slotted, 7/8" - 14 NF	1
6	129- 169	NUT - hex., jam, 7/8" - 14 NF	1
7	L 59041	BALL JOINT ASSEMBLY - rod end	1
8	D 72832	COVER - dust	1
9	25- 1314	NUT - hex., slotted, 7/8" - 14 NF	1
10	G 34695	ROD - piston, 1-1/4" dia.	1
11	187- 1031	SCREW - gland lock, #8 - 32 x 1/4", self tapping	1
12	A 62071	GLAND - cylinder	1
13	A 61428	PISTON - cylinder	1
14		RESERVED	
	A 43296	SEAL KIT - cylinder repair	1
15	A 61426	WIPER - piston rod, in gland, step type	1
16	A 61425	SEAL - piston rod, in gland	1
17	A 60212	O-RING - gland	1
18	A 62070	RING - gland, back-up	1
19	A 61429	O-RING - piston	1
20	A 61430	RING - piston	1
21	28- 1028	BOLT - piston, 5/8" x 1-3/4" NF	1
22	D 43266	WASHER - piston bolt	1

G100674 STEERING CYLINDER

1	G 100674	CYLINDER ASSEMBLY - 2-1/8" (54 mm) I.D. x 7-1/2" (190 mm) stroke	2
2	G 34691	TUBE - cylinder body	1
3	L 59042	BALL JOINT ASSEMBLY - closed end	1
4	D 72832	COVER - dust	1
5	25- 1314	NUT - hex., slotted, 7/8" - 14 NF	1
6	129- 169	NUT - hex., jam, 7/8" - 14 NF	1
7	L 59041	BALL JOINT ASSEMBLY - rod end	1
8	D 72832	COVER - dust	1
9	25- 1314	NUT - hex., slotted, 7/8" - 14 NF	1
10	G 34695	ROD - piston, 1-1/4" dia.	1
11	187- 1031	SCREW - gland lock, #8 - 32 NC x 1/4", self tapping	1
12	* NSS	GLAND - cylinder	1
13	A 61428	PISTON - cylinder	1
14		RESERVED	
	G 101021	SEAL KIT - cylinder repair	1
15A	*D 95141	WIPER - piston rod, U-cup type	1
16A	*D 36968	SEAL - piston rod, U-cup type	1
17	*A 60212	SEAL - O-ring, gland	1
18	*A 62070	RING - gland, backup	1
19	A 61429	SEAL - O-ring, piston	1
20	A 61430	RING - piston	1
21	28- 1028	BOLT - piston, 5/8" - 18 NF x 1-3/4", grade 8	1
22	D 43266	WASHER - piston bolt	1

*G 34820 GLAND ASSEMBLY - with seals, includes all items marked with an asterisk. Can be used to convert G34886 cylinder above into G100674 cylinder



G102602 STEERING CYLINDER

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 102602	CYLINDER ASSEMBLY - 2-1/8" (54 mm) I.D. x 7-1/2" (190 mm) stroke	2
2	G 34691	TUBE - cylinder body	1
3	L 59042	BALL JOINT ASSEMBLY - closed end	1
4	D 72832	COVER - dust	1
5		RESERVED	
6	129- 169	NUT - hex, jam, 7/8" - 14 NF	1
7	L 59041	BALL JOINT ASSEMBLY - rod end	1
8	D 72832	COVER - dust	1
9		RESERVED	
10	G 34695	ROD - piston, 1-1/4" (32 mm) O.D.	1
11	187- 1031	SCREW - gland lock, #8 - 32 NC x 1/4", self tapping	1
12	*NSS	GLAND - cylinder	1
13	G 102604	PISTON - cylinder	1
	G 34819	SEAL KIT - cylinder repair	1
14	*D 95141	WIPER - piston rod, U-cup type	1
15	*D 36968	SEAL - piston rod, U-cup type	1
16	*A 60212	O-RING - gland	1
17	*A 62070	RING - gland, backup	1
18	A 61429	O-RING - piston	1
19	A 61430	RING - piston	1
20	G 101837	RING - wear	1
21	28- 1028	BOLT - piston, 5/8" - 18 NF x 1- 3/4", grade 8	1
22	D 43266	WASHER - piston bolt	1
	*G 34820	GLAND ASSEMBLY - with seals, includes all items marked with an asterisk ..	1

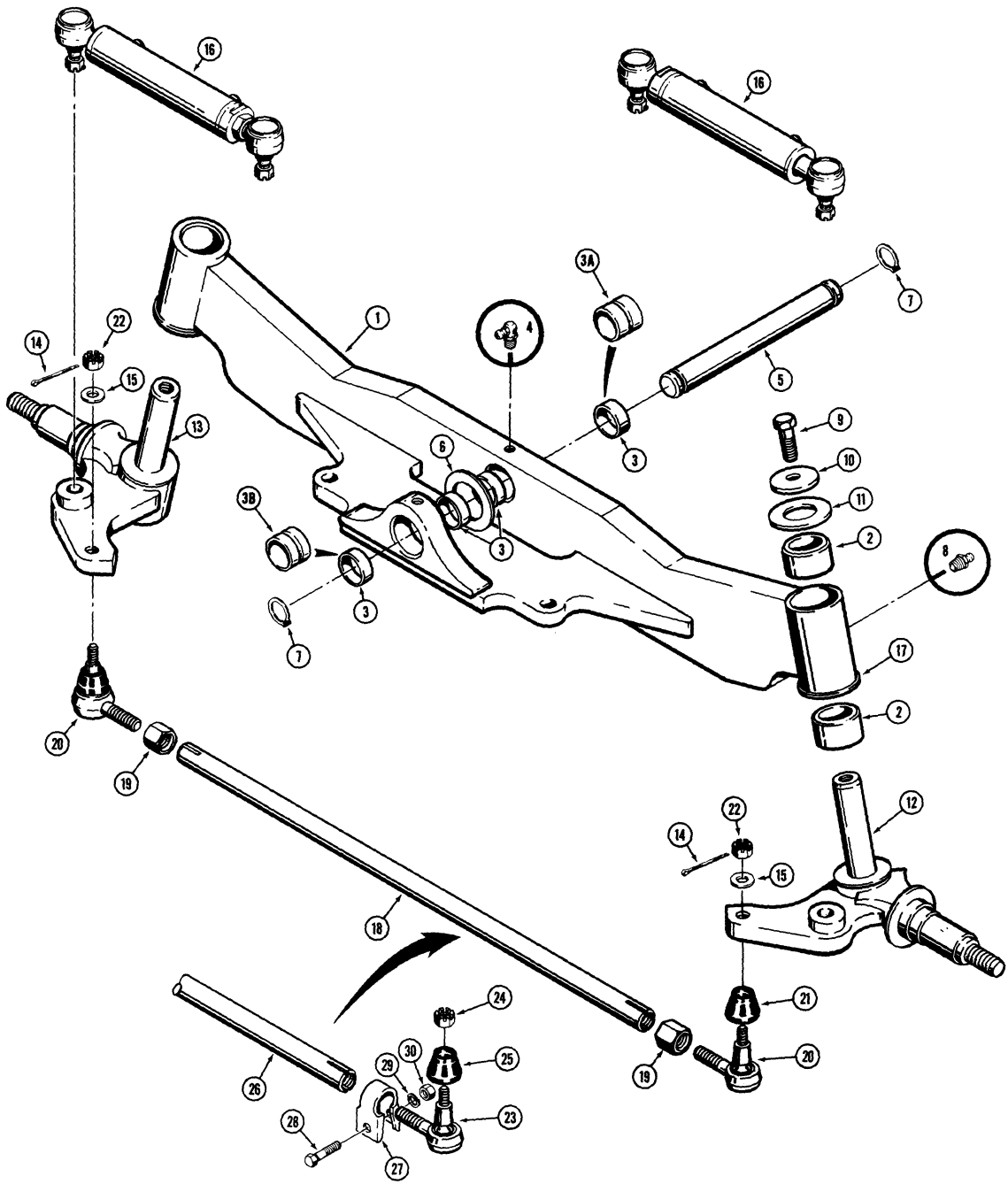
FRONT AXLE, SPINDLES AND TIE ROD

PEF.	PART NO.	DESCRIPTION	REQ'D.
1	L 71446	AXLE ASSEMBLY - front steering, uses short bushings, see item 3 for identification	1
1	L 73640	AXLE ASSEMBLY - front steering, uses long bushings, see items 3A and 3B for identifications	1
2	L 71756	BUSHING - steering arm pin	4
3	L 57710	BUSHING - axle to chassis, short bushings, used in L71446 axle	4
3A	L 73643	BUSHING - axle to chassis, long bushing, used in L73640 axle assembly	1
3B	L 73635	BUSHING - axle to chassis, rear, long bushing, used in L73640 axle assembly	1
4	219- 55	FITTING - grease, 90°, 1/8" NPT	2
5	L 57714	PIN - pivot, axle to chassis	1
6	L 11917	SHIM - axle to chassis	UAR
7	D 26919	RING - retaining	2
8	219- 1	FITTING - grease, straight, 1/8" NPT	2
9	13- 1224	HHCS - 3/4" - 10 NC x 1-1/2"	2
10	A 61406	WASHER - steering arm pin	2
11	L 57457	SHIM - steering arm pin, 2-9/32" (57.94 mm) I.D. x 2-1/2" (63.5 mm) O.D., if used	UAR
11A	95- 12	WASHER - flat, 3/16" (4.76 mm) I.D. x 2" (50.8 mm) O.D., used with L71370 and L71371 spindles, not shown	UAR
12	L 71370	SPINDLE AND KING PIN - steering, R.H., early production use L73886 spindle and king pin	1
12	L 73886	SPINDLE AND KING PIN - steering, R.H., late production	1
13	L 71371	SPINDLE AND KING PIN - steering, L.H., early production, use L73887 spindle and king pin	1
13	L 73887	SPINDLE AND KING PIN - steering, L.H., late production	1
14	132- 56	PIN - cotter, 1/8" x 2"	2
15	195- 45	WASHER - flat, 3/4"	2
16	G 34886	CYLINDER ASSEMBLY - steering, parts list page 129	2
17	L 71369	SHIM - thrust, steering	UAR

MODELS WITH NUT RETAINED BALL JOINTS TO TUBE

18	L 54130	TUBE - tie rod	1
19	A 41511	NUT - jam, tie rod	2
20	L 13421	BALL JOINT - tie rod to spindle	2
21	A 41515	SEAL - boot, ball joint	1
22	25- 1310	NUT - hex., slotted, 5/8" - 18 NF	1

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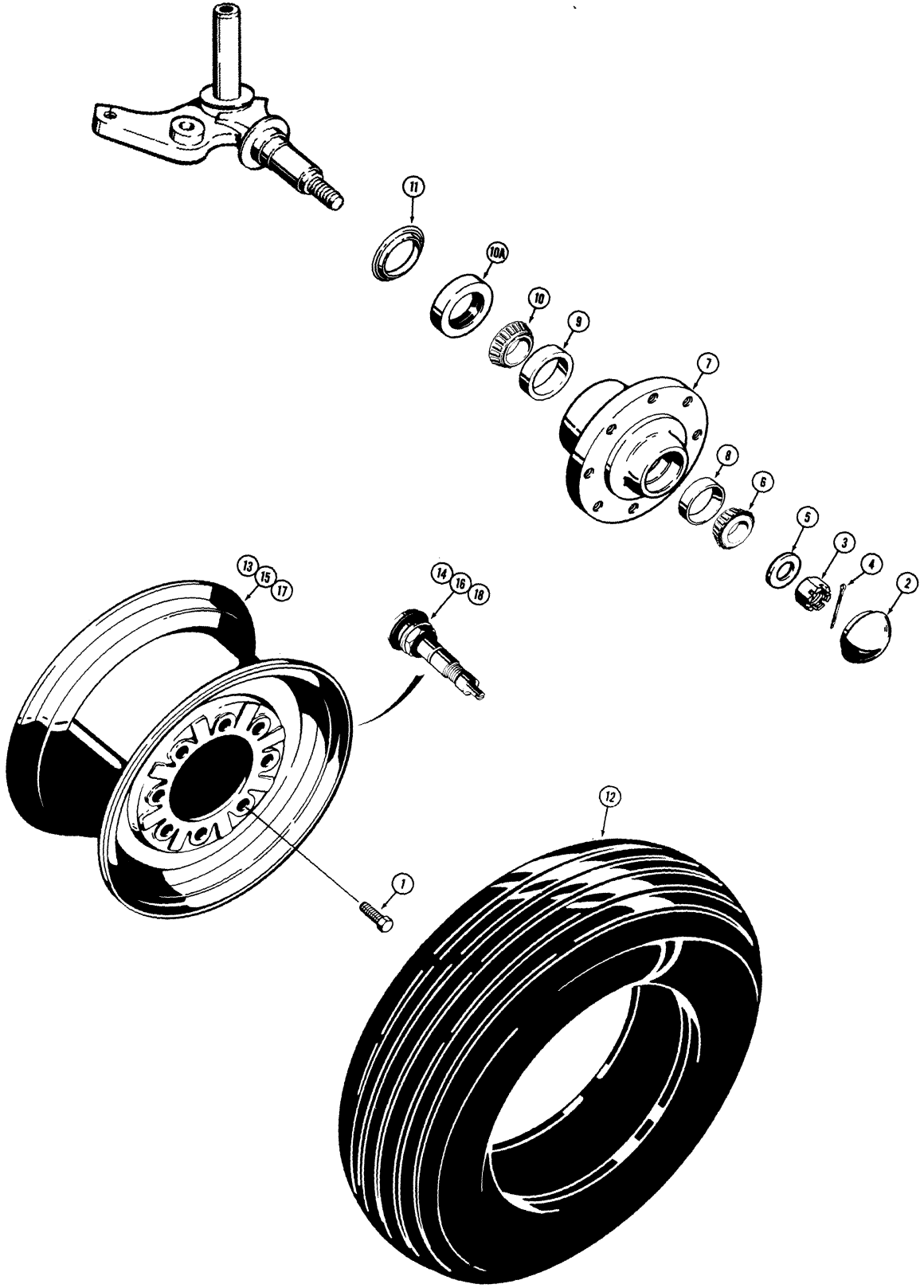


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 133

FRONT AXLE, SPINDLES AND TIE ROD

MODELS WITH CLAMP RETAINED BALL JOINTS TO TUBE

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 70639	TIE ROD ASSEMBLY - front steering	1
	D 66470	BALL JOINT ASSEMBLY - tie rod to spindle, R.H.	1
	D 66467	BALL JOINT ASSEMBLY - tie rod to spindle, L.H.	1
23	NSS	BALL JOINT - tie rod	1
24	129- 610	NUT - hex., 5/8" - 18 NF	1
25	A 31186	SEAL - dust cover	1
26	D 66468	TUBE - tie rod	1
27	A 16638	CLAMP - ball joint retaining	2
28	14- 840	HHCS - 1/2" - 20 NF x 2-1/2", if used	2
28	113- 422	HHCS - 1/2" - 13 NC x 2-1/2", plated, if used	2
29	92- 8	WASHER - lock, 1/2", if used	2
30	25- 118	NUT - hex., 1/2" - 20 NF, if used	2
30	131- 1116	NUT - hex., lock, 1/2" - 13 NC, plated, if used	2



FRONT WHEELS AND HUBS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 76788	BOLT - wheel to hub	16
2	A 61450	CAP - bearing cover	2
3	25- 1918	NUT - hex., castle	2
4	132- 99	PIN - cotter, 3/16" dia. x 2"	2
5	D 74949	WASHER - thrust, outer bearing	2
6	G 15215	CONE - bearing, outer	1
	A 66759	HUB ASSEMBLY - front wheel	2
7	NSS	HUB - front wheel	1
8	G 15214	CUP - bearing, outer	1
9	A 61446	CUP - bearing, inner	1
10	A 61447	CONE - bearing, inner	2
10A	A 61448	SEAL - oil, hub	1
11	A 61449	SEAL - oil, spindle	2
12	REF.	TIRE - front	2

USED ON MODELS WITH 11.00 X 16-12 PLY TIRES

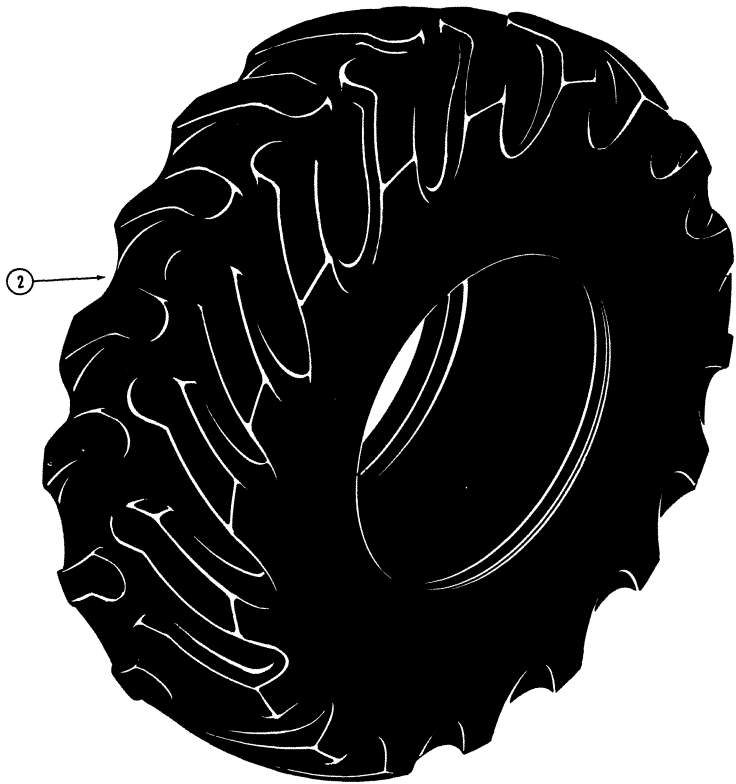
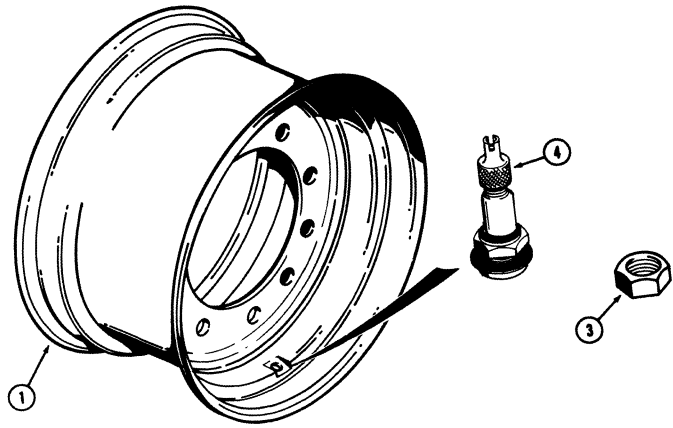
13	A 61570	WHEEL - front	2
14	A 20058	VALVE STEM - wheel	2

USED ON MODELS WITH 12.5L X 16-12 PLY TIRES

15	L 73000	WHEEL - front	2
16	A 20058	VALVE STEM - wheel	2

USED ON MODELS WITH 14L OR 14.5/.75 X 16.1 - 10 PLY TIRES

17	L 57966	WHEEL - front steering	2
18	A 20058	VALVE STEM - wheel	2



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 137

REAR WHEELS

REF.	PART NO.	DESCRIPTION	REQ'D.
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USED ON MODELS WITH 16.9 X 24-8 PLY TIRES

1	L	57550	RIM - rear drive wheel2
2		REF.	TIRE - rear drive, 16.9 x 24 - 8 ply2
3	L	50592	NUT - valve stem, tube type tires only2
4	A	20058	VALVE STEM - wheels, tubeless tires only2

USED ON MODELS WITH 16.9 X 24-10 PLY TIRES

1	L	57550	RIM - rear drive wheel2
2		REF.	TIRE - rear drive, 16.9 x 24 - 10 ply2
3	L	50592	NUT - valve stem, tube type tires only2
4	A	20058	VALVE STEM - wheel, tubeless tires only2

USED ON MODELS WITH 16.9 X 24-12 PLY TIRES

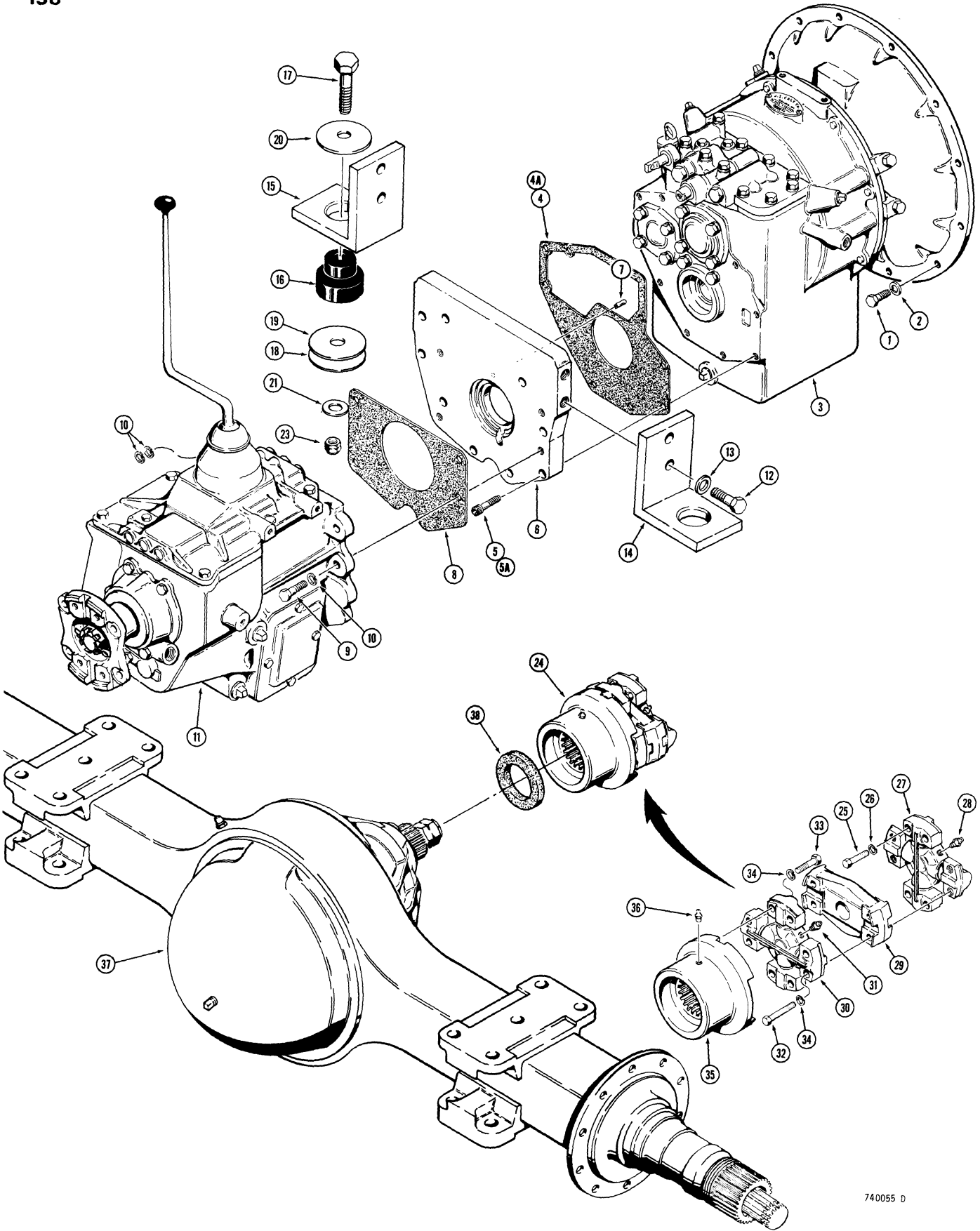
1	L	57550	RIM - rear drive wheel2
2		REF.	TIRE - rear drive, 16.9 x 24 - 12 ply2
3	L	50592	NUT - valve stem, tube type tires only2
4	A	20058	VALVE STEM - wheel, tubeless tires only2

USED ON MODELS WITH 16.9 X 28-8 - 10 PLY TIRES

1	L	57552	RIM - rear drive wheel2
2		REF.	TIRE - rear drive, 16.9 x 28 - 8 or 10 ply2
3	L	50592	NUT - valve stem, tube type tires only2
4	A	20058	VALVE STEM - wheel, tubeless tires only2

USED ON MODELS WITH 19.5L X 24-12 PLY TIRES (FOR TRACTORS EXCEPT WHEN EQUIPPED WITH EXTENDAHOE)

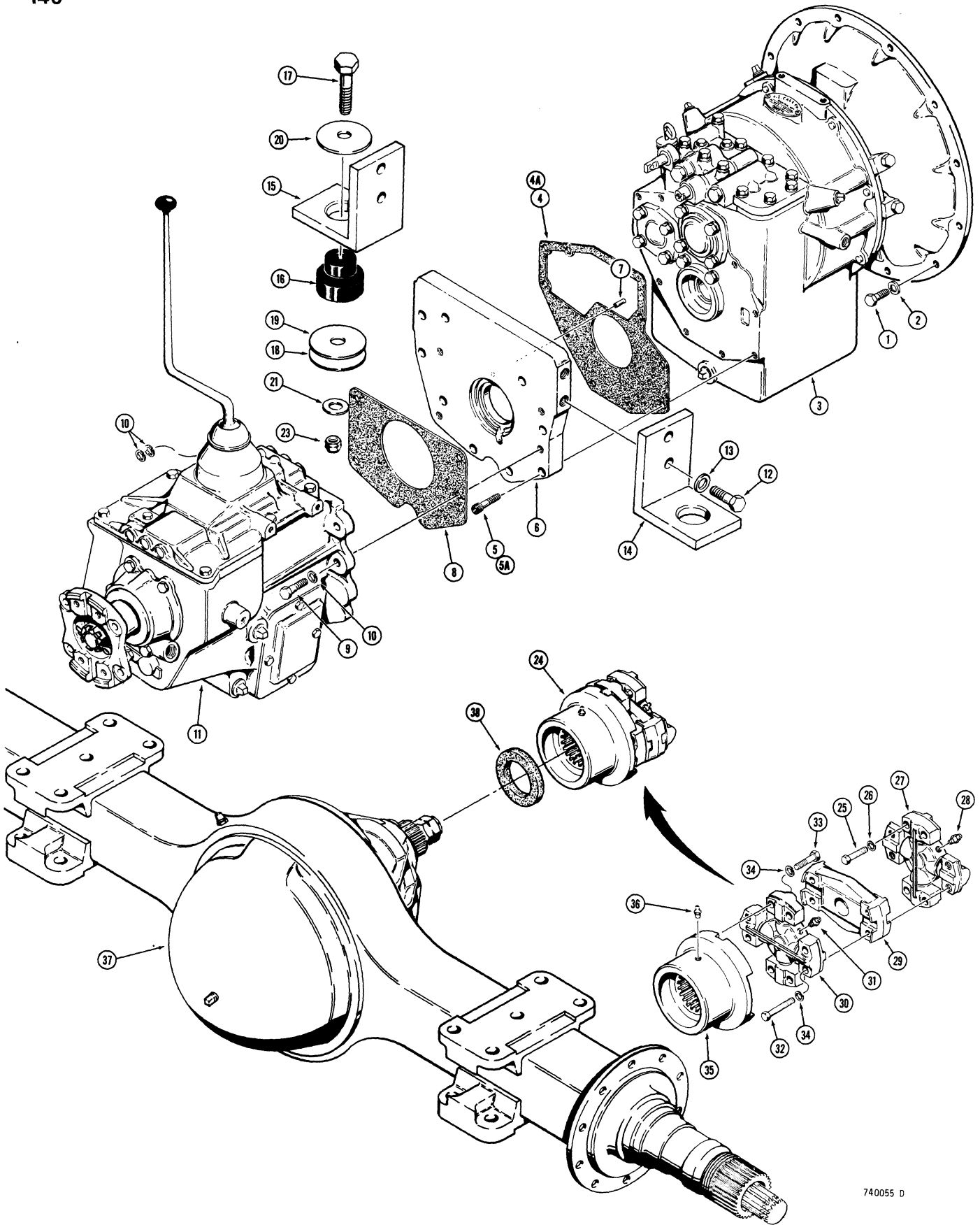
1	L	57551	RIM AND DISC - rear drive wheel2
2		REF.	TIRE - rear drive, 19.5L x 24-12 ply2
3	L	50592	NUT - valve stem, tube type tires only2
4	A	20058	VALVE STEM - wheel, tubeless tires only2



TRANSMISSION AND RELATED PARTS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	13- 616	HHCS - 3/8" - 16 NC x 1", transmission to flywheel housing ...	12
2	92- 6	WASHER - lock, 3/8"	12
3	REF.	TRANSMISSION ASSEMBLY - forward and reverse, parts list pages 143 thru 163	1
4	L 47759	GASKET - forward-reverse transmission to adapter plate, before transmission sn. 75001	1
4A	D 72754	GASKET - forward-reverse transmission to adapter plate, transmission sn. 75001 and after	1
5	L 35545	SCREW - sealing, special, before trans. sn. 75001	9
5A	165- 168	SCREW - hex., socket head, 5/16" - 18 NC x 1-1/2", trans. sn. 75001 and after	9
6	D 78400	PLATE - adapter, forward-reverse to four speed transmission ...	1
7	138- 127	PIN - roll, 1/4" dia. x 1/2" long, if used	1
8	D 71460	GASKET - adapter plate to four speed transmission	1
9	13- 924	HHCS - 9/16" - 12 NC x 1-1/2"	1
9	13- 928	HHCS - 9/16" - 12 NC x 1-3/4"	3
10	92- 9	WASHER - lock, 9/16"	4
11	L 54268	TRANSMISSION ASSEMBLY - four speed, parts list pages 167 thru 173	1
12	26- 1036	HHCS - 5/8" - 11 NC x 2-1/4", grade 8	4
13	D 43266	WASHER - hardened, 5/8"	4
14	L 55862	BRACKET - mounting, adapter plate to chassis R.H.	1
15	L 55863	BRACKET - mounting, adapter plate to chassis L.H.	1
16	S 93392	CUSHION - rubber, transmission	2
17	13- 1264	HHCS - 3/4" - 10 NC x 4"	2
18	L 50197	SHIM - 16 gauge	UAR
19	L 50194	SHIM - 12 gauge	UAR
20	A 19068	WASHER - special, rubber mount	2
21	95- 12	WASHER - flat, 3/4"	2
22		RESERVED	
23	131- 1205	NUT - hex., self lock, 3/4" - 10 NC	2
24	L 59905	DRIVE SHAFT ASSEMBLY - four speed transmission to rear axle, includes items 25 thru 36	1
25	L 31781	BOLT - special, front spider and bearing to four speed transmission, 3/8" - 24 NF x 1-7/8"	4
26	192- 161	WASHER - heavy lock, 3/8"	4
	L 32423	SPIDER AND BEARING ASSEMBLY - front	1
27	NSS	SPIDER AND BEARING - front	1
28	219- 1	FITTING - grease, straight, 1/8" NPT	1
29	L 48345	COUPLING - center, spider and bearing	1

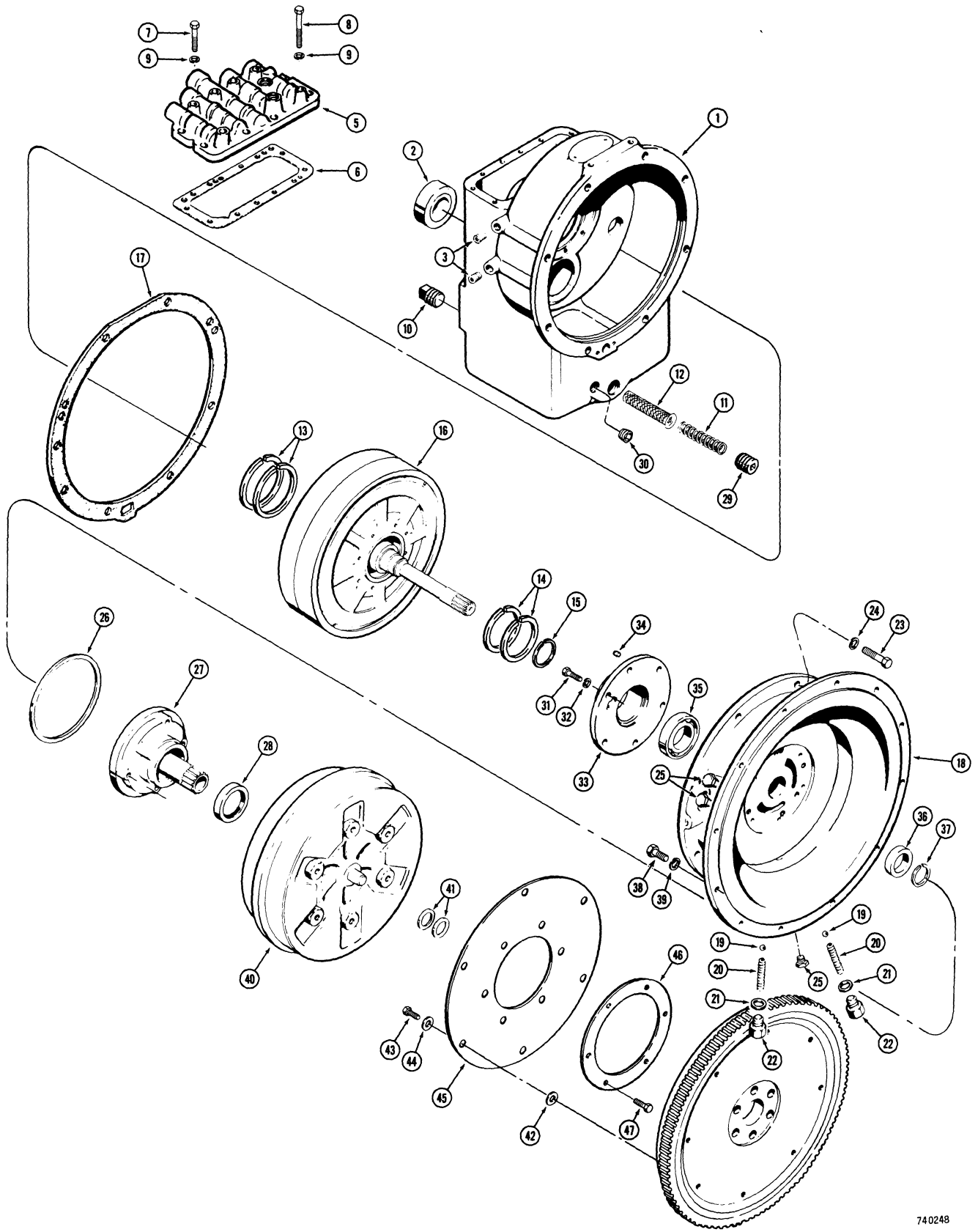
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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 141

TRANSMISSION AND RELATED PARTS

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 31776	SPIDER AND BEARING ASSEMBLY - rear	1
30	NSS	SPIDER AND BEARING - rear	1
31	219- 1	FITTING - grease, straight, 1/8" NPT	1
32	28- 648	BOLT - special, spider and bearing assemblies to center coupling, 3/8" - 24 NF x 3"	4
33	L 33426	BOLT - special, rear spider and bearing to splined yoke, 3/8" - 24 NF x 1-3/4"	4
34	192- 161	WASHER - heavy lock, 3/8"	8
35	D 65185	YOKE - splined, to rear axle	1
35A	41- 51	PLUG - expansion, not shown	1
36	219- 1	FITTING - grease, straight, 1/8" NPT	1
37	REF.	AXLE ASSEMBLY - rear drive, parts list pages 177 thru 219	1
38	L 48498	SEAL - drive shaft, at splined yoke	1

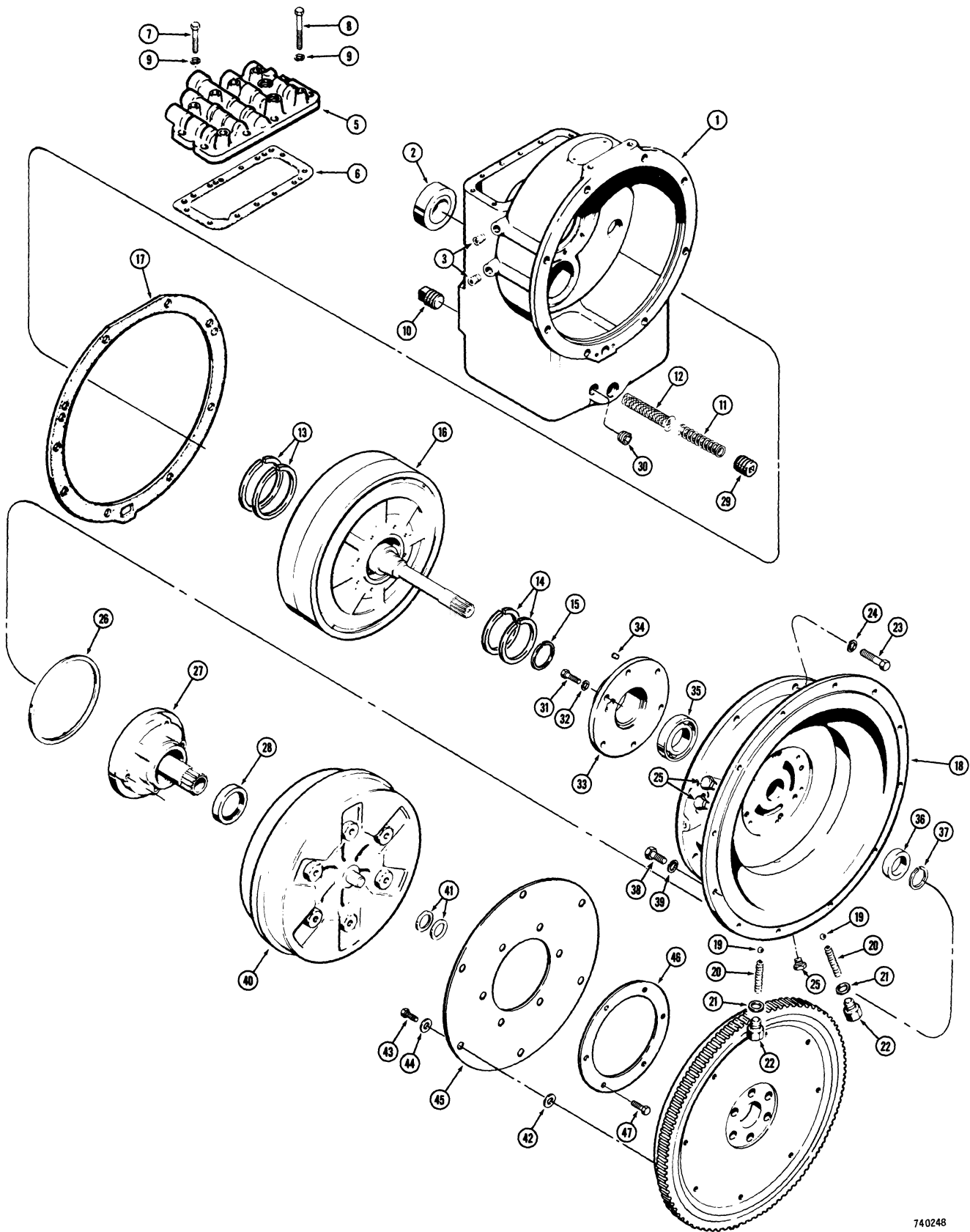


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 143

**TRANSMISSION
TORQUE CONVERTER HOUSING AND PUMP
BEFORE TRANSMISSION SN 75001**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 35677	TRANSMISSION ASSEMBLY - forward and reverse	1
	D 66379	HOUSING ASSEMBLY - transmission	1
1	NSS	HOUSING - transmission	1
2	G 13075	BEARING - housing	1
3	221- 841	PLUG - pipe, hex. socket head, 1/4" NPT	2
4	221- 13	PLUG - pipe, square head, 3/8" NPT, not shown	2
4A	D 73701	PLUG - pipe, drain, 5/8" NF, not shown	1
5	L 30972	VALVE ASSEMBLY - forward and reverse control, see page 155	1
6	L 32119	GASKET - valve body	1
7	13- 520	HHCS - 5/16" - 18 NC x 1-1/4"	8
8	13- 536	HHCS - 5/16" - 18 NC x 2-1/4"	4
9	92- 5	WASHER - lock, 5/16"	12
10	221- 4	PLUG - pipe, 1/2" NPT	1
11	L 32746	SPRING - screen	1
12	L 32745	SCREEN - oil	1
13	L 30237	RING - sealing, 3-1/2" (89 mm) O.D.	2
14	A 14833	RING - sealing, 3" (76 mm) O.D.	2
15	L 30486	RING - sealing, 2" (51 mm) O.D.	1
16	L 35684	CLUTCH ASSEMBLY - forward and reverse, see page 151	1
17	D 66388	GASKET - transmission housing	1
18	L 35692	CASE - transmission, front	1
19	211- 12	BALL - steel, 7/16" (11 mm) dia.	2
20	L 33705	SPRING - pop valve	2
21	A 14810	WASHER - special	2
22	A 14811	SEAT - spring, pop valve	2
23	13- 618	HHCS - 3/8" - 16 NC x 1-1/8"	5
23	13- 628	HHCS - 3/8" - 16 NC x 1-3/4"	3
24	92- 6	WASHER - lock, 3/8"	8
25	221- 661	PLUG - pipe, hex. head, 1/8" NPT	3
26	L 30487	GASKET - jump	1
27	L 30488	PUMP ASSEMBLY - torque converter charging	1
28	L 30489	SEAL - pump	1
29	221- 846	PLUG - square socket head, 1" NPT	1
30	221- 654	PLUG - hex. head, 1/2" NPT	1
31	13- 516	HHCS - 5/16" - 18 NC x 1"	6
32	92- 5	WASHER - lock, 5/16"	6
	L 30479	RETAINER ASSEMBLY - bearing	1
33	NSS	RETAINER - bearing	1
34	L 30245	PLUG - retainer	2
35	40025	BEARING - clutch	1
36	L 30483	SPACER - bearing	1
37	L 30484	RING - retaining, input shaft	1
38	13- 616	HHCS - 3/8" - 16 NC x 1"	12

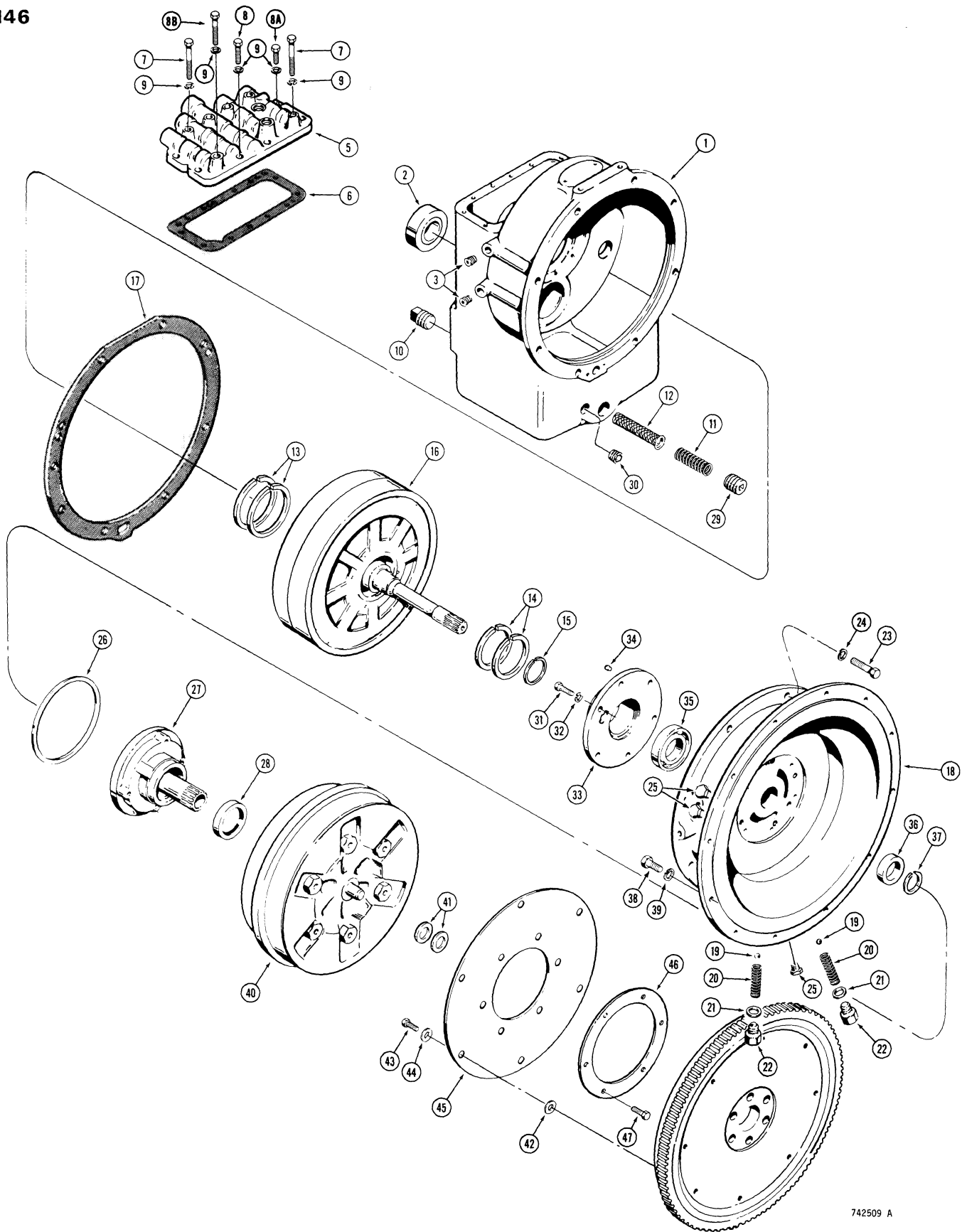
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**TRANSMISSION
TORQUE CONVERTER HOUSING AND PUMP
BEFORE TRANSMISSION SN. 75001**

REF.	PART NO.	DESCRIPTION	REQ'D
39	92- 6	WASHER - lock, 3/8"	12
40	L 77848	CONVERTER - torque	1
41	L 11172	SHIM - pump engagement	UAR
42	195- 2024	WASHER - flat, 3/8"	UAR
	L 100684	KIT - torque converter drive	1
43	121- 104	BOLT - place, 5/16" - 18 NC x 3/ 4"	6
44	A 14512	WASHER - torque converter drive plate	6
45	A 14509	PLATE - torque converter drive	1
46	D 81592	PLATE - reinforcement	1
47	121- 203	BOLT - place, 3/8" - 24 NF x 1/2"	6

SEE PAGES 143 THRU 163 FOR COMPLETE TRANSMISSION



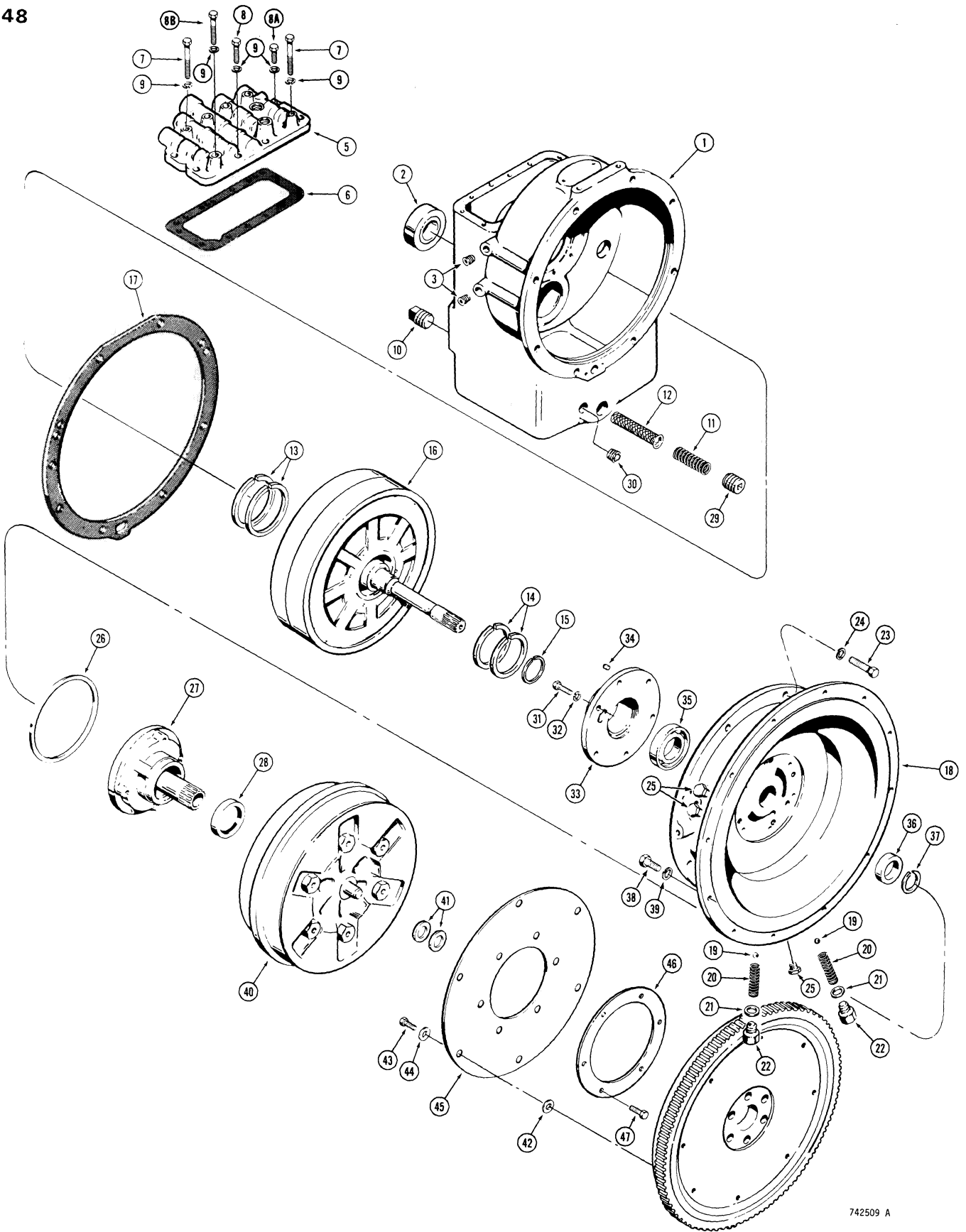
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 147

**TRANSMISSION
TORQUE CONVERTER HOUSING AND PUMP
TRANSMISSION SN. 75001 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	D 73700	TRANSMISSION ASSEMBLY - forward and reverse	1
	D 66379	HOUSING ASSEMBLY - transmission	1
1	NSS	HOUSING - transmission	1
2	G 13075	BEARING - housing	1
3	221- 841	PLUG - pipe, hex. socket head, 1/4" NPT	2
4	221- 13	PLUG - pipe, square head, 3" NPT, not shown	2
4A	D 73701	PLUG - pipe, drain, 5/8" NF, not shown	1
5	D 66391	VALVE ASSEMBLY - forward and reverse control, parts list page 157	1
5A	D 72753	GASKET - valve body, trans. sn 76081 and after, part of D66391 valve, see page 157, not shown	1
6	D 66390	GASKET - valve body, before trans sn. 76081	1
7	13- 534	HHCS - 5/16" - 18 NC x 2-1/8"	5
8	13- 524	HHCS - 5/16" - 18 NC x 1-1/2"	5
8A	13- 518	HHCS - 5/16" - 18 NC x 1-1/8"	1
8B	13- 532	HHCS - 5/16" - 18 NC x 2"	1
9	92- 5	WASHER - lock, 5/16"	12
10	221- 4	PLUG - pipe, 1/2" NPT	1
11	L 32746	SPRING - screen	1
12	L 32745	SCREEN - oil	1
13	L 30237	RING - sealing, 3-1/2" (89 mm) O.D.	2
14	A 14833	RING - sealing, 3" (76 mm) O.D.	2
15	L 30486	RING - sealing, 2" (51 mm) O.D.	1
16	D 66382	CLUTCH ASSEMBLY - forward and reverse, parts list page 153	1
17	D 66388	GASKET - transmission housing	1
18	D 66389	CASE - transmission, front, includes item 35	1
19	211- 12	BALL - steel, 7/16" (11.1 mm) dia.	2
20	L 33705	SPRING - pop valve	2
21	A 14810	WASHER - special	2
22	A 14811	SEAT - spring, pop valve	2
23	13- 618	HHCS - 3/8" - 16 NC x 1-1/8"	5
23	13- 628	HHCS - 3/8" - 16 NC x 1-3/4"	3
24	92- 6	WASHER - lock, 3/8"	8
25	221- 661	PLUG - pipe, hex. head, 1/8" NPT	3
26	L 30487	GASKET - pump	1
27	L 30488	PUMP ASSEMBLY - torque converter charging	1
28	L 30489	SEAL - pump	1
29	221- 846	PLUG - square socket head, 1" NPT	1
30	221- 654	PLUG - hex. head, 1/2" NPT	1

SEE PAGES 143 THRU 163 FOR COMPLETE TRANSMISSION

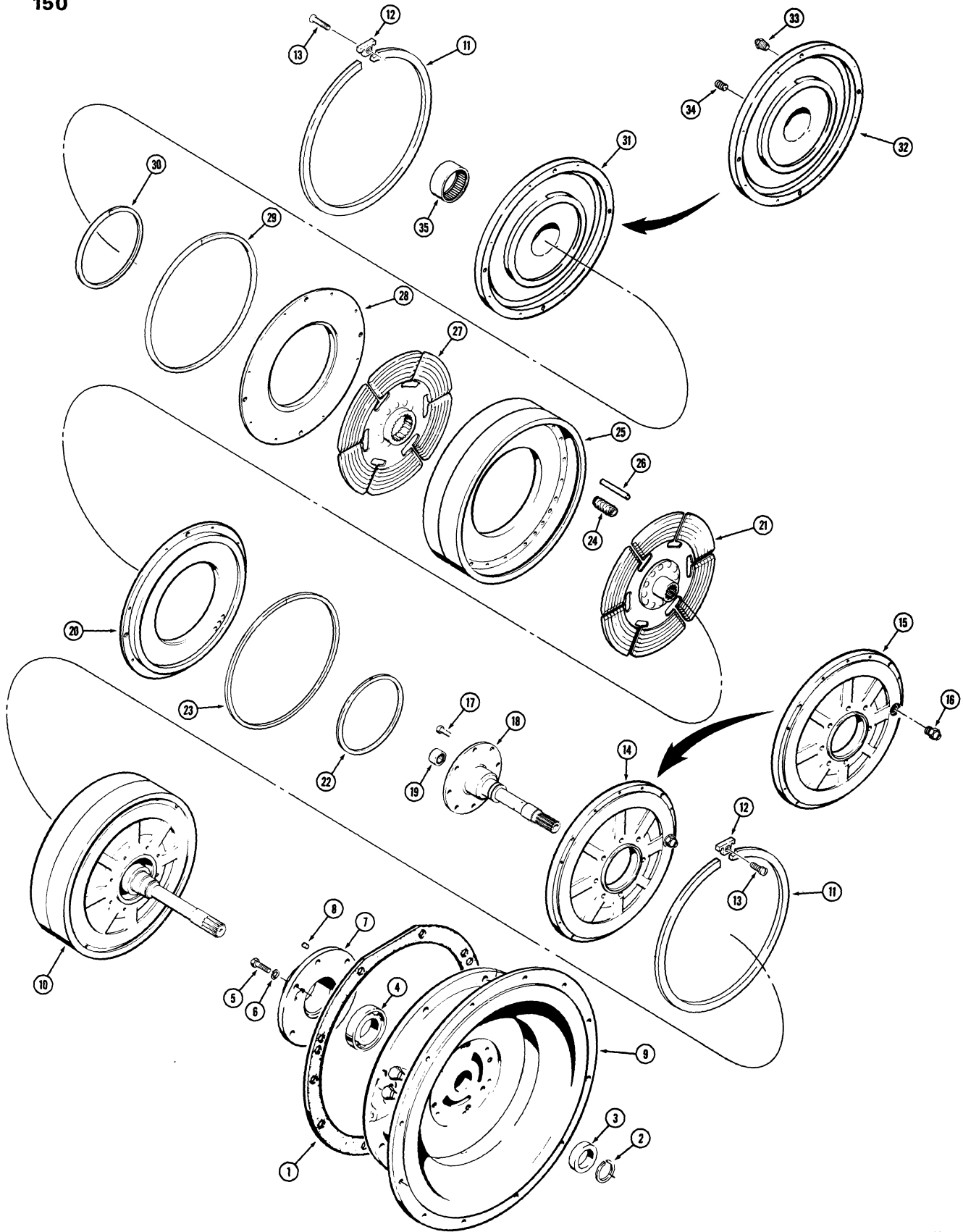
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TRANSMISSION
TORQUE CONVERTER HOUSING AND PUMP
TRANSMISSION SN. 75001 AND AFTER

REF.	PART NO.	DESCRIPTION	REQ'D
31	13- 516	HHCS - 5/16" - 18 NC x 1"	6
32	92- 5	WASHER - lock, 5/16"	6
	L 30479	RETAINER ASSEMBLY - bearing	1
33	NSS	RETAINER - bearing	1
34	L 30245	PLUG - retainer	2
35	40025	BEARING - clutch	1
36	L 30483	SPACER - bearing	1
37	L 30484	RING - retaining, input shaft	1
38	13- 616	HHCS - 3/8" - 16 NC x 1"	12
39	92- 6	WASHER - lock, 3/8"	12
40	L 77848	CONVERTER - torque	1
41	L 11172	SHIM - pump engagement	UAR
42	195- 2024	WASHER - flat, steel	UAR
	L 100684	KIT - torque converter dirve	1
43	121- 104	BOLT - place, 5/16" - 18 NC x 3/ 4"	6
44	A 14512	WASHER - torque converter drive plate	6
45	A 14509	PLATE - torque converter drive	1
46	D 81592	PLATE - reinforcement	1
47	121- 203	BOLT - place, 3/8" - 24 NF x 1/2"	6

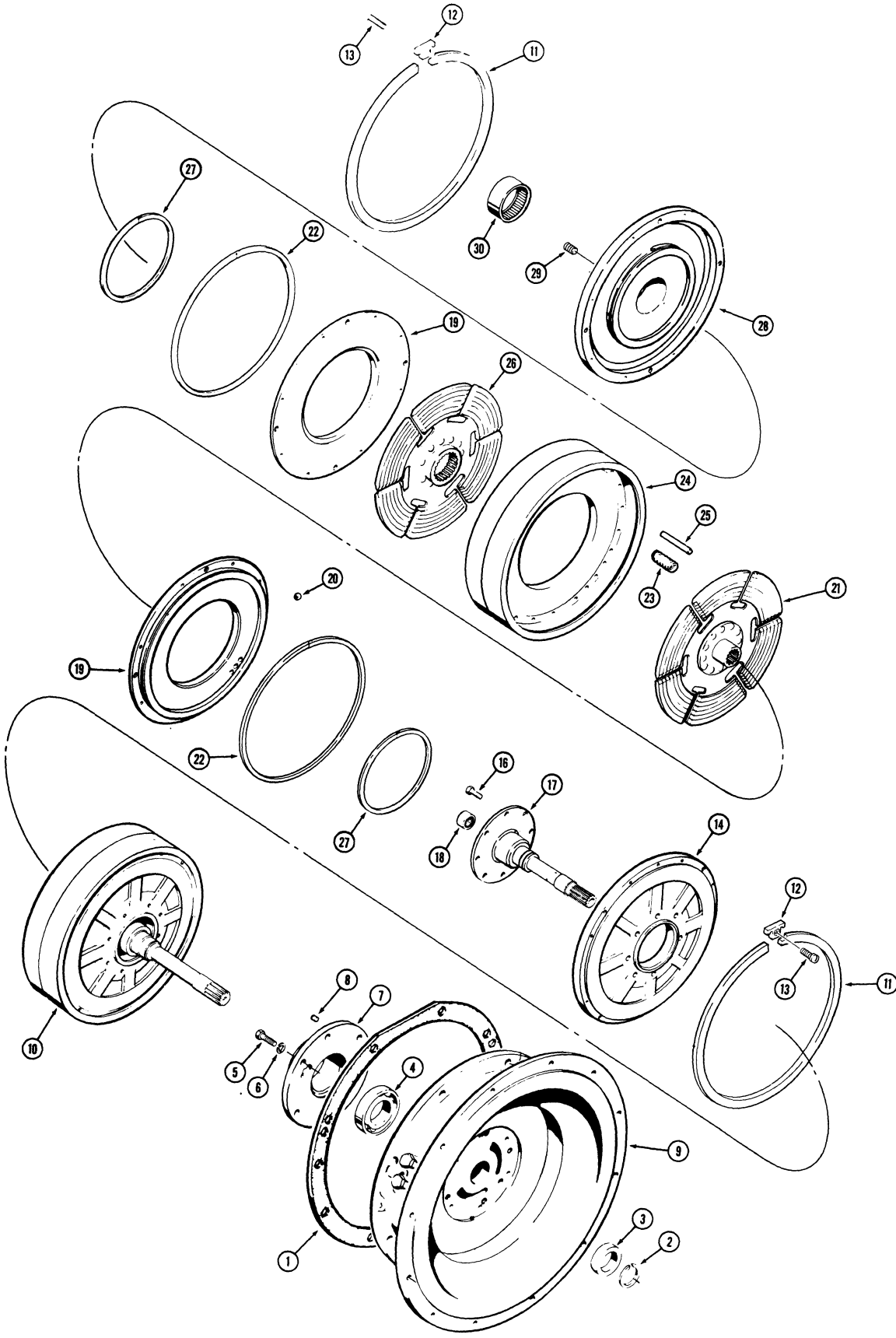
SEE PAGES 143 THRU 163 FOR COMPLETE TRANSMISSION



**TRANSMISSION
FORWARD AND REVERSE CLUTCH
BEFORE TRANSMISSION SN. 75001**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 35677	TRANSMISSION ASSEMBLY - forward and reverse	1
1	D 66388	GASKET - transmission housing	1
2	L 30484	RING - snap, input shaft	1
3	L 30483	SPACER - bearing	1
4	40025	BEARING - clutch	1
5	13- 516	HHCS - 5/16" - 18 NC x 1"	6
6	92- 5	WASHER - lock, 5/16"	6
	L 30479	RETAINER ASSEMBLY - bearing	1
7	NSS	RETAINER - bearing	1
8	L 30245	PLUG - retainer	2
9	L 35692	CASE - transmission, front	1
10	L 35684	CLUTCH ASSEMBLY forward and reverse	1
11	L 32121	RING - snap, cylinder to plate	2
12	L 32120	PLATE - lock, snap ring	2
13	L 32084	SCREW - locking	2
	L 35685	CYLINDER AND SHAFT ASSEMBLY - clutch	1
14	L 35686	CYLINDER AND FLYBALL ASSEMBLY - reverse clutch	1
15	NSS	CYLINDER - reverse clutch	1
16	L 33326	SLEEVE - flyball	1
17	L 30440	BOLT - special	8
	L 30477	SHAFT ASSEMBLY - input	1
18	NSS	SHAFT - input	1
19	T 32720	BEARING - needle	1
20	L 35690	PISTON - clutch	1
21	L 35691	PLATE - reverse clutch	1
22	A 14832	RING - seal, inner	1
23	A 14831	RING - seal, outer	1
24	A 14827	SPRING - clutch retractor	24
	L 30694	PLATE ASSEMBLY - pressure	1
25	NSS	PLATE - pressure	1
26	A 14829	PIN - pressure plate drive	4
27	L 35687	PLATE - forward clutch	1
28	L 35690	PISTON - clutch	1
29	A 14831	RING - seal, outer	1
30	A 14832	RING - seal, inner	1
	L 35688	CYLINDER AND BEARING ASSEMBLY - clutch	1
31	NSS	CYLINDER AND FLYBALL ASSEMBLY - forward clutch, use L35688	1
32	NSS	CYLINDER - forward clutch	1
33	L 33326	SLEEVE - flyball	1
34	L 30245	PLUG - cylinder	2
35	A 28230	BEARING - needle	1

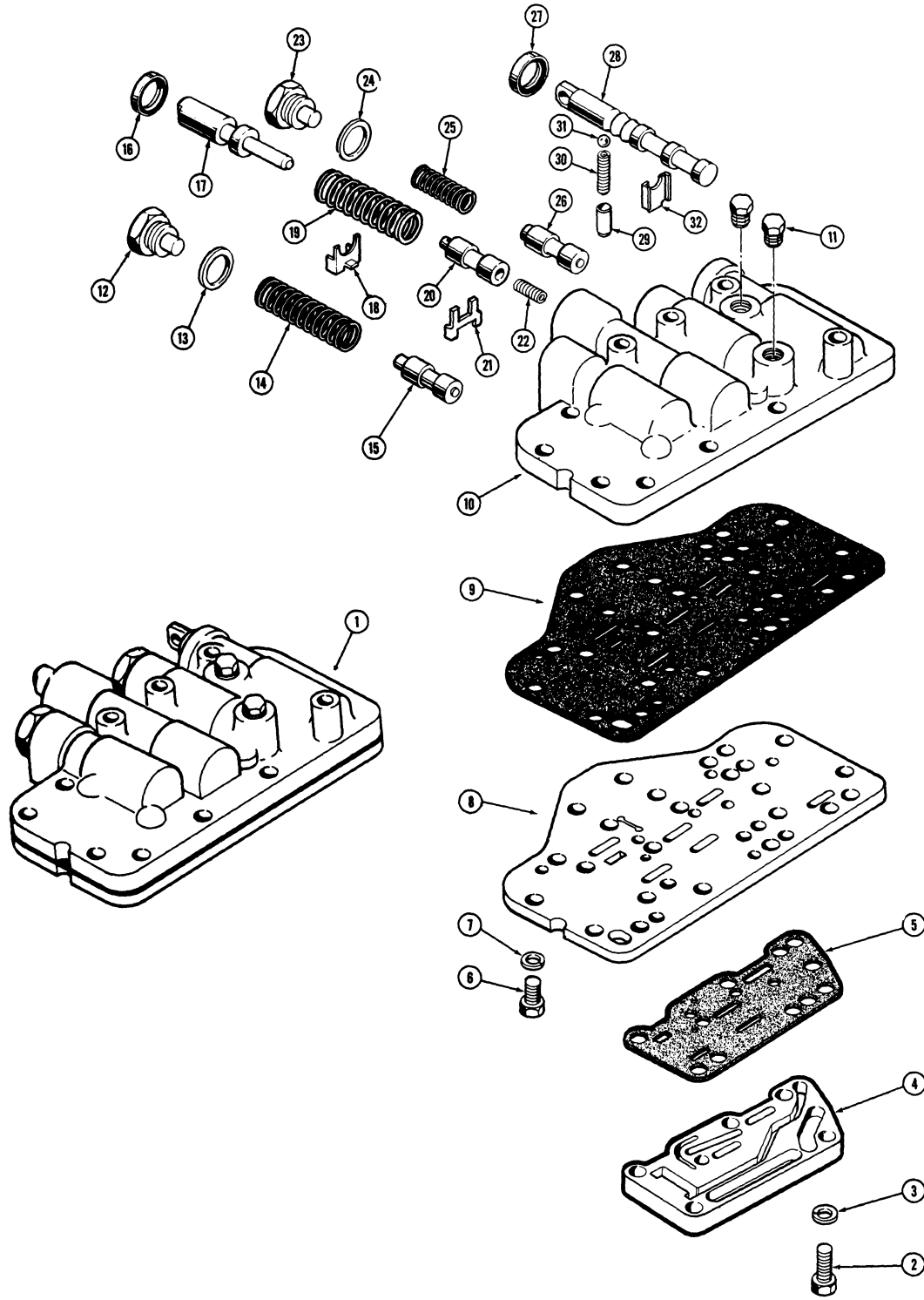
SEE PAGES 143 THRU 163 FOR COMPLETE TRANSMISSION



**TRANSMISSION
FORWARD AND REVERSE CLUTCH
TRANSMISSION SN. 75001 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	D 73700	TRANSMISSION ASSEMBLY - forward and reverse	1
1	D 66388	GASKET - transmission housing	1
2	L 30484	RING - snap, input shaft	1
3	L 30483	SPACER - bearing	1
4	40025	BEARING - clutch	1
5	13- 516	HHCS - 5/16" - 18 NC x 1"	6
6	92- 5	WASHER - lock, 5/16"	6
	L 30479	RETAINER ASSEMBLY - bearing	1
7	NSS	RETAINER - bearing	1
8	L 30245	PLUG - retainer	2
9	D 66389	CASE - transmission, front, includes item 4	1
10	D 66382	CLUTCH ASSEMBLY - forward and reverse	1
11	L 32121	RING - snap, cylinder to plate	2
12	L 32120	PLATE - lock, snap ring	2
13	L 32084	SCREW - locking	2
	D 66386	CYLINDER AND SHAFT ASSEMBLY - reverse clutch	1
14	NSS	CYLINDER - reverse clutch	1
15		RESERVED	
16	L 30440	BOLT - special	8
	L 30477	SHAFT ASSEMBLY - input	1
17	NSS	SHAFT - input	1
18	T 32720	BEARING - needle	1
19	D 66383	PISTON - clutch	2
20	211- 306	BALL - steel, 7/32" (5 mm)	2
21	L 35691	PLATE - reverse clutch	1
22	D 66384	RING - seal, outer	2
23	A 14827	SPRING - clutch retractor	24
	L 30694	PLATE ASSEMBLY - pressure	1
24	NSS	PLATE - pressure	1
25	A 14829	PIN - pressure plate drive	4
26	L 35687	PLATE - forward clutch	1
27	A 14832	RING - seal, inner (Steel) If used	2
27	D 66414	RING - seal, inner (Rubber) If used	2
	D 66385	CYLINDER AND BEARING ASSEMBLY - forward clutch	1
28	NSS	CYLINDER - forward clutch	1
29	L 30245	PLUG - cylinder	2
30	A 28230	BEARING - needle	1

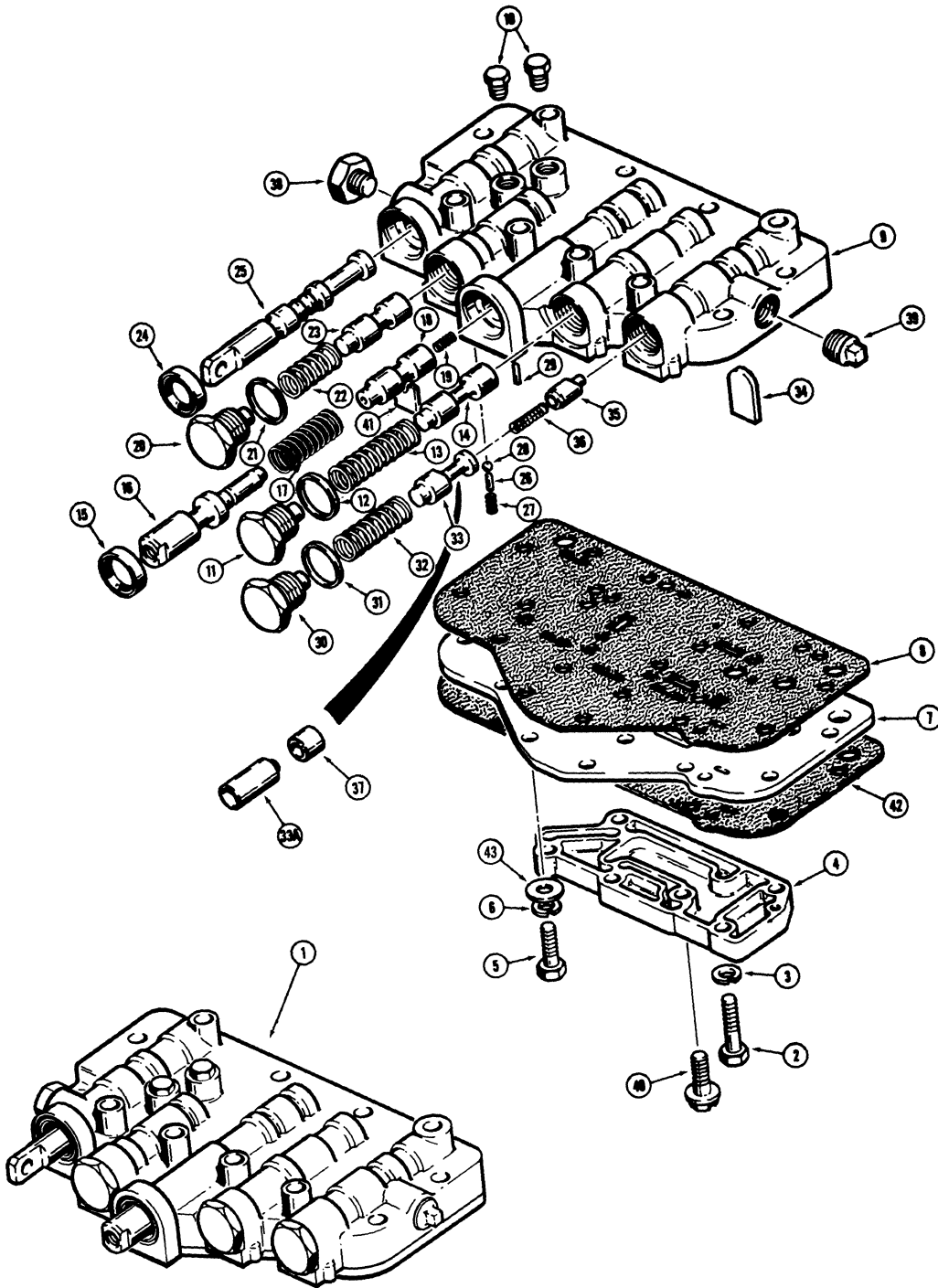
SEE PAGES 143 THRU 163 FOR COMPLETE TRANSMISSION



**TRANSMISSION
FORWARD AND REVERSE CONTROL VALVE
BEFORE TRANSMISSION SN. 75001**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 30972	VALVE ASSEMBLY - forward and reverse control	1
2	13- 520	HHCS - 5/16" - 18 NC x 1-1/4"	6
3	92- 5	WASHER - lock, 5/16"	6
4	L 30491	COVER - valve body	1
5	A 14871	GASKET - cover	1
6	13- 514	HHCS - 5/16" - 18 NC x 7/8"	2
7	92- 5	WASHER - lock, 5/16"	2
8	L 30973	PLATE - separator	1
9	L 30974	GASKET - plate to body	1
10	NSS	BODY - valve	1
11	L 35696	PLUG - pipe, hex. head, special	2
12	A 14882	SCREW - pressure regulator valve	1
13	G 10964	GASKET - valve retainer screw	1
14	A 14885	SPRING - regulator valve	1
15	A 14883	VALVE - pressure regulator	1
16	A 14877	SEAL - oil, clutch control	1
17	A 14873	PLUNGER - clutch control	1
18	A 14876	STOP - clutch control plunger	1
19	A 14874	SPRING - plunger	1
20	A 14878	VALVE - clutch control	1
21	A 14880	STOP - clutch control valve	1
22	A 14879	SPRING - clutch control valve	1
23	A 14882	SCREW - clutch supply valve	1
24	G 10964	GASKET - valve retainer screw	1
25	A 14881	SPRING - clutch supply valve	1
26	A 14884	VALVE - clutch supply	1
27	A 14863	SEAL - oil, direction selector spool	1
28	L 30255	SPOOL - direction selector	1
29	A 14864	PLUNGER - detent spring	1
30	L 35694	SPRING - detent ball	1
31	211- 7	BALL - steel, 1/4" (6 mm) dia.	1
32	A 14866	STOP - selector spool	1

SEE PAGES 143 THRU 163 FOR COMPLETE TRANSMISSION

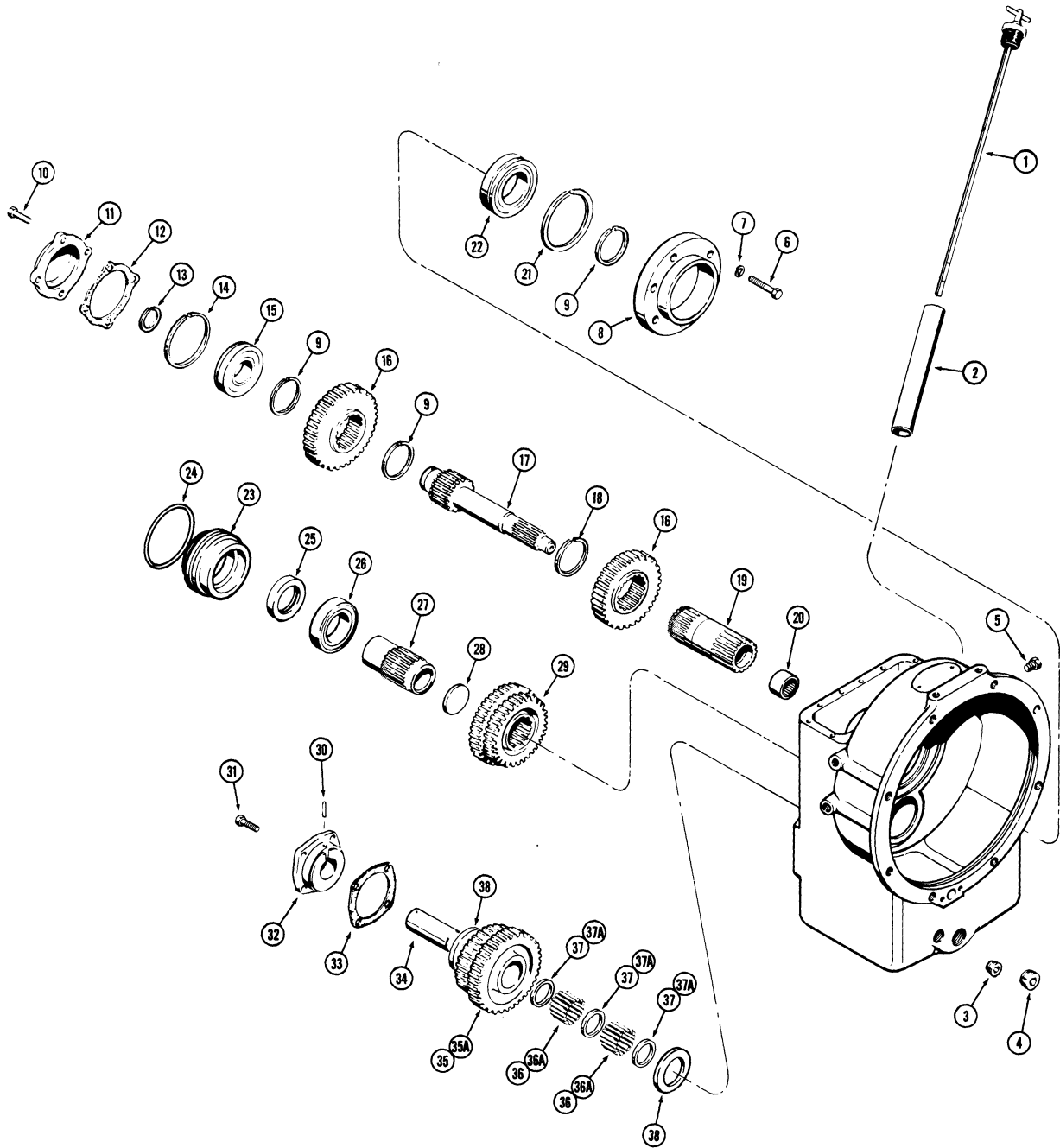


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 157

**TRANSMISSION
FORWARD AND REVERSE CONTROL VALVE
TRANSMISSION SN. 75001 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 66391	VALVE ASSEMBLY - complete	1
2	D 66401	HHCS - 5/16" - 18 NC x 1-1/4"	6
3	92- 5	WASHER - lock, 5/16"	6
4	D 66400	COVER - valve body	1
5	13- 512	HHCS - 5/16" - 18 NC x 7/8", order item 5A	2
5A	D 80336	BOLT AND WASHER ASSEMBLY - replaces items 5 and 6 ..	1
6	92- 5	WASHER - lock, 5/16"	2
7	D 66399	PLATE - separator, before transmission sn. 76081 .110" - .128" (2.79-3.25 mm) thick	1
7A	D 72751	PLATE - separator, trans. sn. 76801 and after, .057" - .063" (1.45-1.60 mm) thick (When ordered for transmissions prior to 76081 also order (9) of item 43	1
8	D 66398	GASKET - plate to body	1
9	NSS	BODY - valve	1
10	221- 661	PLUG - pipe, hex. head, 1/8" NPT	2
11	A 14882	SCREW - pressure regulator valve	1
12	G 10964	GASKET - valve retainer screw	1
13	A 14885	SPRING - regulator valve	1
14	D 66393	VALVE - pressure regulator	1
15	A 14877	SEAL - oil, clutch control	1
16	D 66394	PLUNGER - clutch control	1
17	A 14874	SPRING - plunger	1
18	A 14878	VALVE - clutch control	1
19	A 14879	SPRING - clutch control valve	1
20	A 14882	SCREW - clutch supply valve	1
21	G 10964	GASKET - valve retainer screw	1
22	A 14881	SPRING - clutch supply valve	1
23	A 14884	VALVE - clutch supply	1
24	A 14863	SEAL - oil, direction selector spool	1
25	D 66395	SPOOL - direction selector	1
26	D 66397	PIN - detent spring	1
27	D 66396	SPRING - detent ball	1
28	211- 7	BALL - steel, 1/4" (6 mm) dia.	1
29	D 71461	PIN - dowel	1
30	D 72748	PLUG - converter regulating valve retainer	1
31	G 10964	GASKET - converter regulating valve screw	1
32	D 72749	SPRING - converter regulating valve	1
33	NSS	VALVE - converter regulating, for service order L72748 plug, D72749 spring, D72750 valve and D72747 plug	1
33A	D 72750	VALVE - converter regulating	1
34	D 66404	PLATE - valve stop	1
35	D 66402	VALVE - lube regulating valve	1
36	D 66403	SPRING - lube regulating valve	1
37	D 72747	PLUG - converter regulator valve	1
38	D 72752	PLUG - special, .56" (14.22 mm) long, if used	1
39	221- 12	PLUG - pipe, 1/4" NPT	1
40	163- 25	SCREW - #10 - 24 NC x 7/8"	1
41	D 73728	STOP - valve	1
42	D 72753	GASKET - valve body	1
43	195- 2026	WASHER - flat	9

SEE PAGES 143 THRU 163 FOR COMPLETE TRANSMISSION

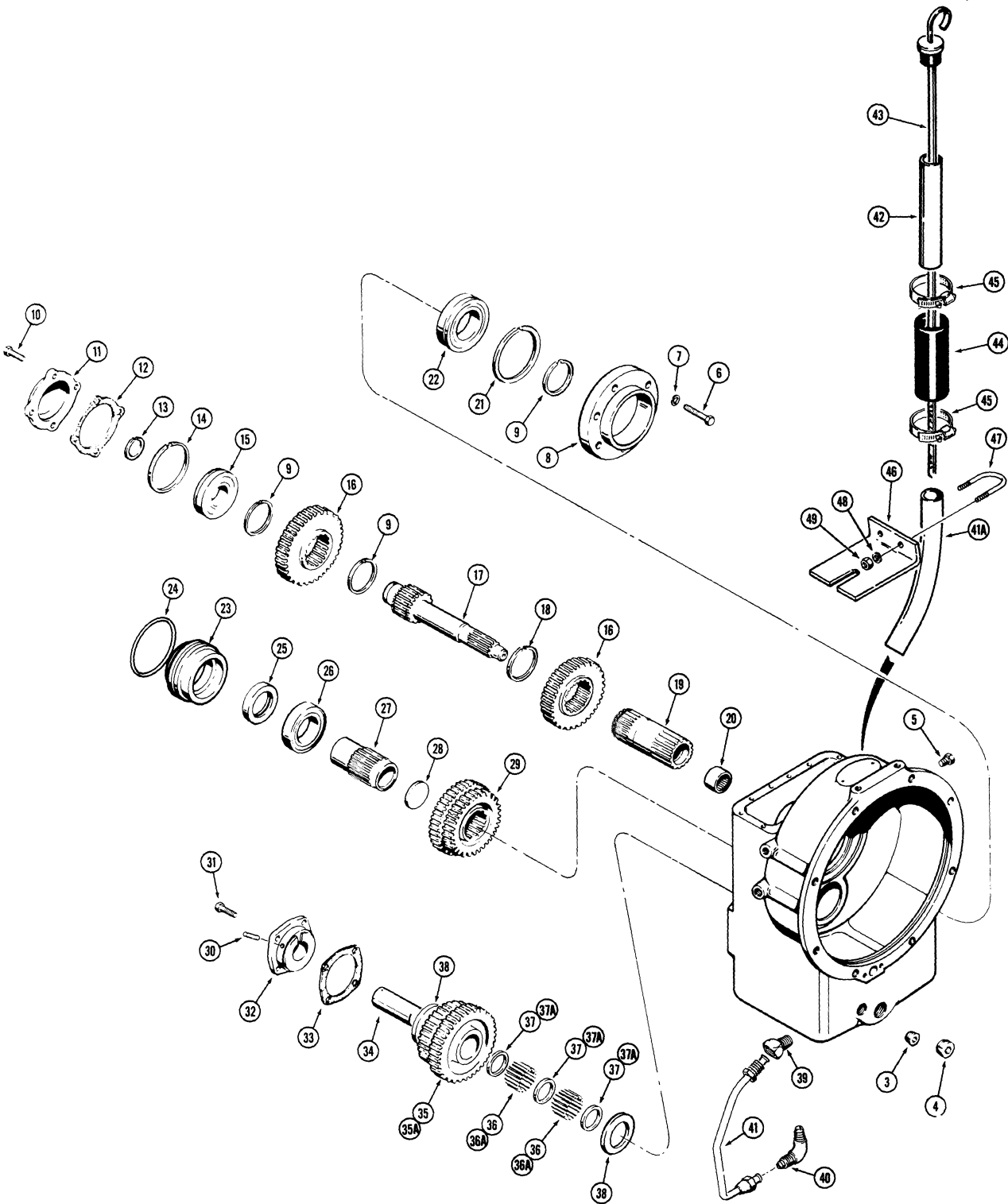


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 159

**TRANSMISSION
POWER SHUTTLE AND HOUSING
BEFORE TRANSMISSION SN. 75001**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 35677	TRANSMISSION ASSEMBLY - forward and reverse	1
1	A 14837	DIPSTICK - oil level	1
2	L 30225	TUBE - filler and dipstick	1
3	221- 654	PLUG - pipe, hex. head, 1/2" NPT	1
4	221- 846	PLUG - pipe, square socket head, 1" NPT	1
5	221- 12	PLUG - pipe, hex. head, 1/4" NPT	1
6	13- 520	HHCS - 5/16" - 18 NC x 1-1/4"	5
7	92- 5	WASHER - lock, 5/16"	5
8	L 30236	RETAINER - bearing	1
9	A 27089	RING - snap	3
10	L 32122	BOLT - locking and sealing	4
11	A 14854	RETAINER - shaft bearing	1
12	A 14855	GASKET - bearing retainer	1
13	A 14835	RING - retaining, shaft	1
14	A 28153	RING - retaining, bearing to retainer	1
15	L 33854	BEARING - forward drive shaft	1
16	A 14853	GEAR - low and reverse, 35 teeth	2
17	A 14850	SHAFT - forward drive	1
	L 30230	SHAFT ASSEMBLY - drive	1
18	A 27089	RING - snap	1
19	NSS	SHAFT - drive	1
20	A 14858	BEARING - needle	1
21	L 30233	RING - snap, bearing	1
22	A 31209	BEARING - reverse	1
23	L 33320	RETAINER - output shaft bearing	1
24	D 50034	O-RING - retainer	1
25	A 55446	SEAL - oil, output shaft	1
26	G 13075	BEARING - output shaft	1
	L 35680	SHAFT ASSEMBLY - output	1
27	NSS	SHAFT - output	1
28	A 7509	PLUG - expansion	1
29	L 30470	GEAR - countershaft	1
30	F 37914	PIN - lock, shaft	1
31	L 32122	BOLT - locking and sealing	4
32	L 33892	RETAINER - idler shaft	1
33	A 14844	GASKET - retainer	1
34	A 14841	SHAFT - idler gear	1
35	L 35681	GEAR - idler, used with items 36 and 37 only	1
35A	*D 78402	GEAR - idler, used with items 36A and 37A only	1
36	A 63087	BEARING - needle, idler gear, .187" (4.75 mm) dia., if used .	48
36A	*D 78403	BEARING - needle, idler gear, .216" (5.49 mm) dia., if used .	42
37	L 35683	SPACER - needle bearing, used with item 36 only	3
37A	*D 78404	SPACER - needle bearing, used with item 36A only	3
38	L 33891	WASHER - thrust, idler gear	2
	*D 78401	KIT - gear and bearing, includes items 35A, 36A and 37A	1

SEE PAGES 143 THRU 163 FOR COMPLETE TRANSMISSION



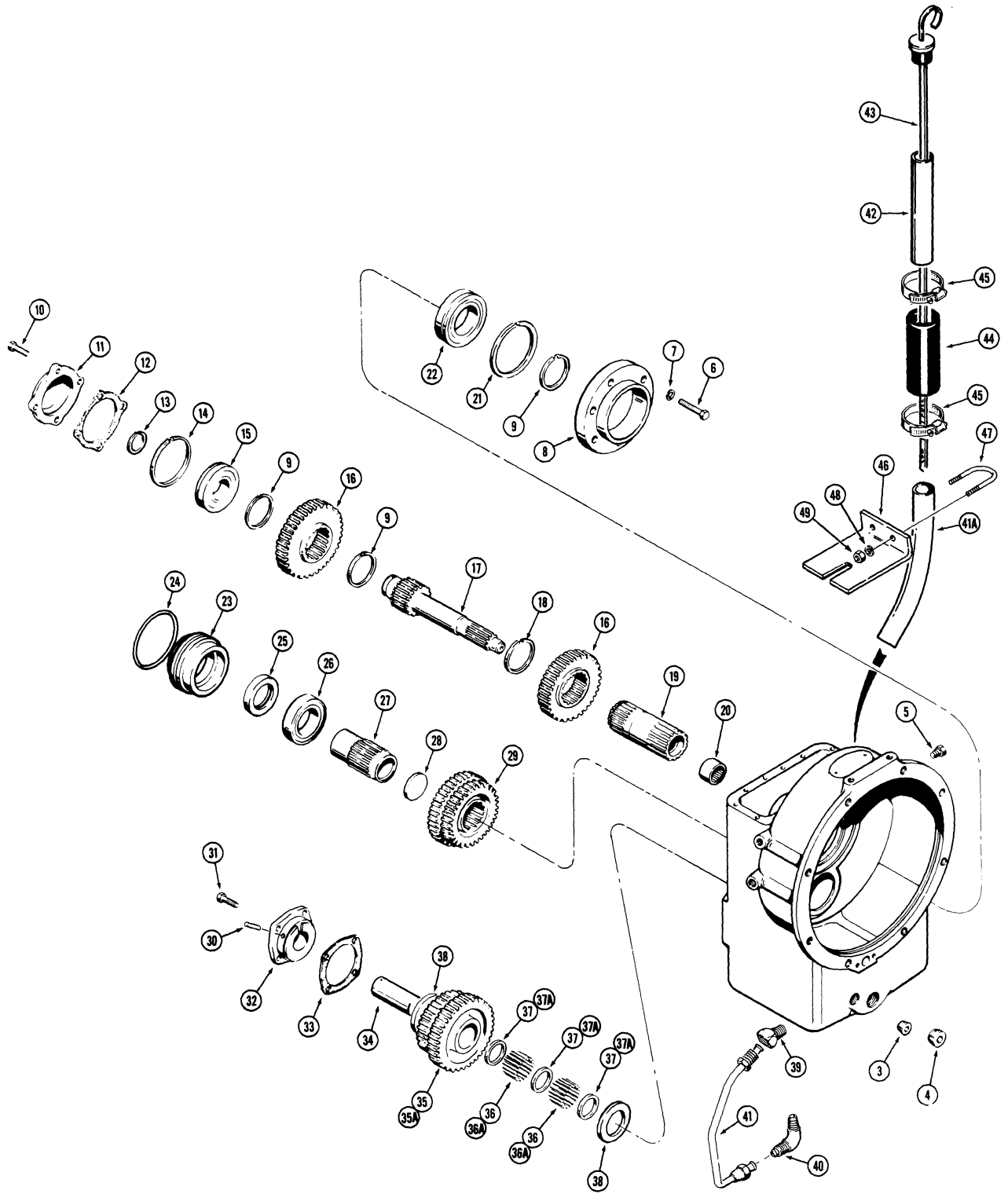
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 161

**TRANSMISSION
POWER SHUTTLE AND HOUSING
TRANSMISSION SN. 75001 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	D 73700	TRANSMISSION ASSEMBLY - forward and reverse	1
1		RESERVED	
2		RESERVED	
3	221- 654	PLUG - pipe, hex. head, 1/2" NPT	1
4	221- 846	PLUG - pipe, square socket head, 1" NPT	1
5	221- 12	PLUG - pipe, hex. head, 1/4" NPT	1
6	13- 520	HHCS - 5/16" - 18 NC x 1-1/4"	5
7	92- 5	WASHER - lock, 5/16"	5
8	L 30236	RETAINER - bearing	1
9	A 27089	RING - snap	3
10	L 32122	BOLT - locking and sealing	4
11	A 14854	RETAINER - shaft bearing	1
12	A 14855	GASKET - bearing retainer	1
13	A 14835	RING - snap, shaft	1
14	A 28153	RING - snap, bearing to retainer	1
15	L 33854	BEARING - forward drive shaft	1
16	A 14853	GEAR - low and reverse, 35 teeth	2
17	A 14850	SHAFT - forward drive	1
	L 30230	SHAFT ASSEMBLY - drive	1
18	A 27089	RING - snap	1
19	NSS	SHAFT - drive	1
20	A 14858	BEARING - needle	1
21	L 30233	RING - retaining	1
22	A 31209	BEARING - reverse	1
23	L 33320	RETAINING - output shaft bearing	1
24	D 50034	SEAL - O-ring, retainer	1
25	A 55446	SEAL - oil, output shaft	1
26	G 13075	BEARING - output shaft	1
	L 35680	SHAFT ASSEMBLY - output	1
27	NSS	SHAFT - output	1
28	A 7509	PLUG - expansion	1
29	L 30470	GEAR - countershaft	1
30	F 37914	PIN - lock, shaft	1
31	L 32122	BOLT - locking and sealing	4
32	D 66381	RETAINER - idler shaft	1
33	A 14844	GASKET - retainer	1
34	A 14841	SHAFT - idler gear	1

Continued on next page

SEE PAGES 143 THRU 163 FOR COMPLETE TRANSMISSION

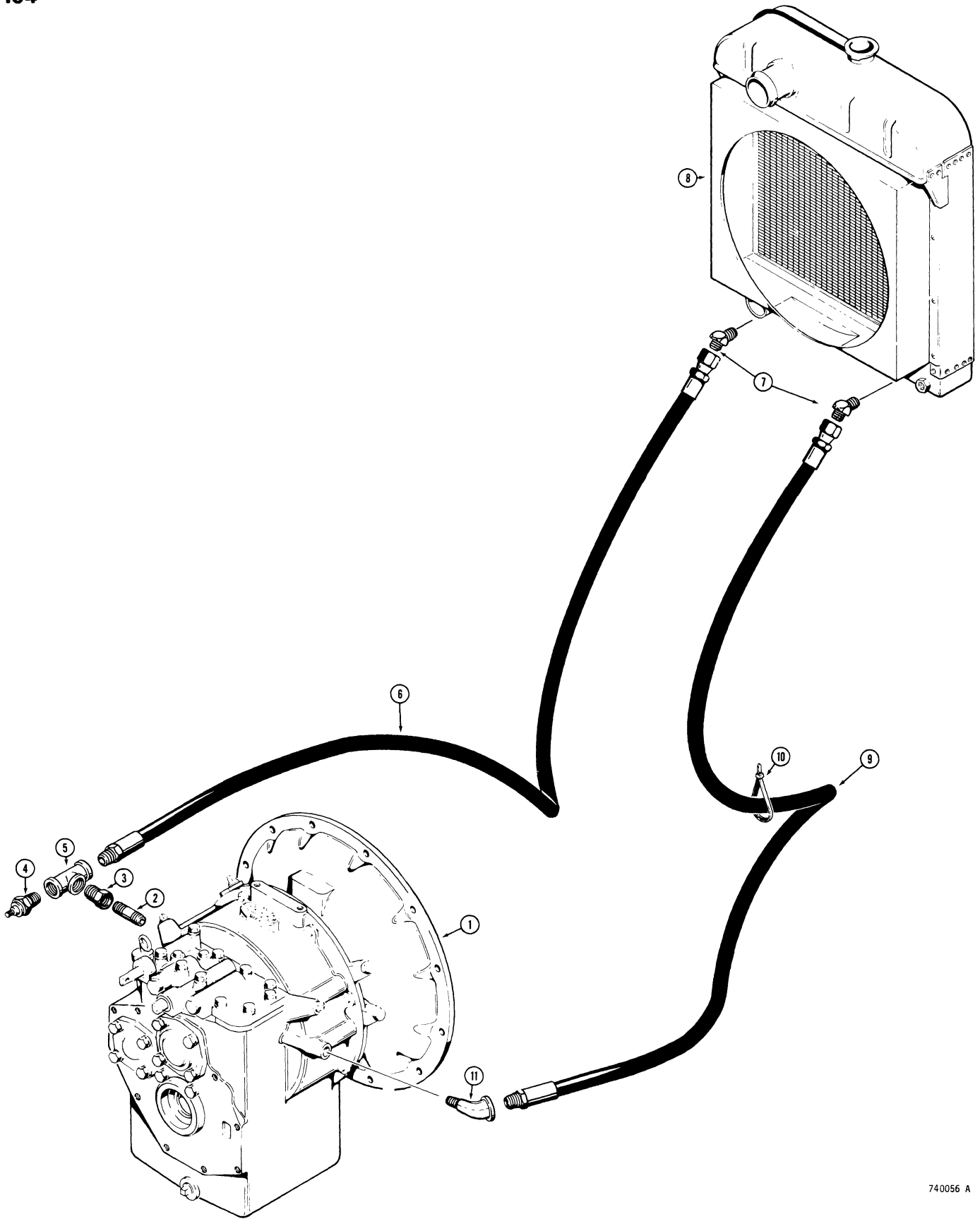


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 163

**TRANSMISSION
POWER SHUTTLE AND HOUSING
TRANSMISSION SN. 75001 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
35	L 35681	GEAR - idler, used with items 36 and 37 only	1
35A	*D 78402	GEAR - idler, used with items 36A and 37A only	1
36	A 63087	BEARING - needle, idler gear, .187 (4.75 mm) dia., if used	48
36A	*D 78403	BEARING - needle, idler gear, .216" (5.49 mm) dia., if used	42
37	L 35683	SPACER - needle bearing, used with item 36 only	3
37A	*D 78404	SPACER - needle bearing, used with item 36A only	3
38	L 33891	WASHER - thrust, idler gear	2
39	222- 1034	FITTING - 45°	1
40	222- 768	FITTING - 90°	1
41	D 66409	TUBE - valve to sump	1
41A	L 58031	TUBE - dipstick, lower	1
42	L 59122	TUBE - filler and dipstick, upper	1
43	L 73981	DIPSTICK - oil level	1
44	L 40247	HOSE - dipstick connecting	1
45	214- 256	CLAMP - hose	2
46	**L 72971	BRACKET - dipstick mounting	1
47	**A 34979	"U" BOLT - 1/4" - 20 NC	1
48	**92- 4	WASHER - lock, 1/4"	2
	*D 78401	KIT - gear and bearing, includes items 35A, 36A and 37A	1
	**L 73097	KIT - dipstick bracket, includes items 46 thru 48	1

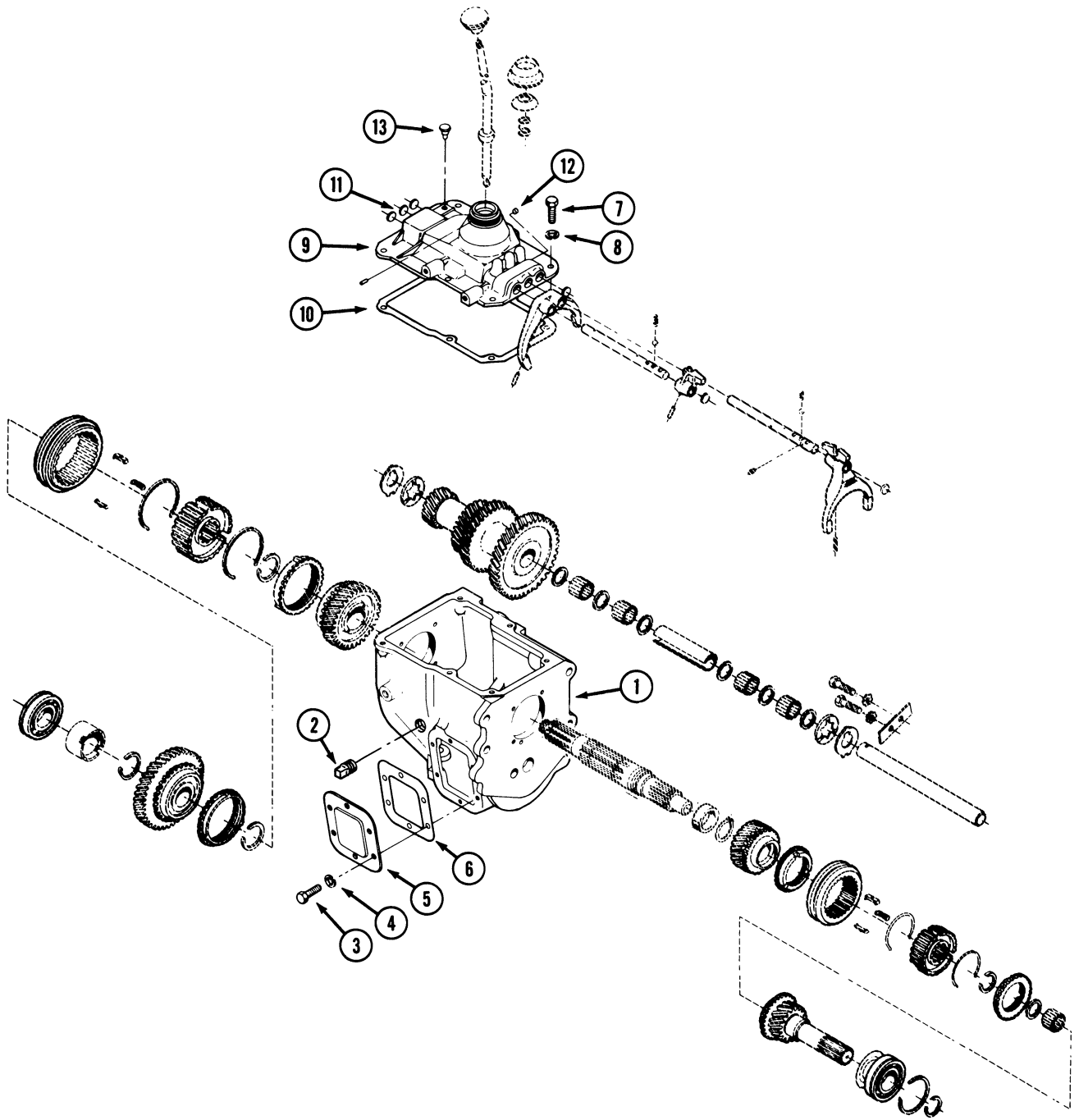
SEE PAGES 143 THRU 163 FOR COMPLETE TRANSMISSION



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 165

**FORWARD AND REVERSE TRANSMISSION
COOLING SYSTEM**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	TRANSMISSION - forward and reverse, see pages 143 thru 163 for complete transmission	1
2	221- 164	NIPPLE - pipe, 3/8" NPT x 2"	1
3	221- 1056	REDUCING BUSHING - hex., pipe, 1/2" x 3/8" NPT	1
4	L 56217	SENDING UNIT - torque converter temperature gauge	1
5	221- 1424	TEE - pipe, 1/2" NPT	1
6	L 48749	HOSE - forward and reverse transmission to radiator, 56" (1422 mm) long	1
7	218- 1098	ADAPTER - radiator to hoses, 45°	2
8	REF.	RADIATOR ASSEMBLY - engine and forward and reverse transmission cooling, see page 55 for related parts	1
9	L 48750	HOSE - radiator to forward and reverse transmission, 62" (1575 mm) long	1
10	L 11541	STRAP - hose tie	UAR
11	221- 1403	FITTING - 45°, 3/8" NPT	1

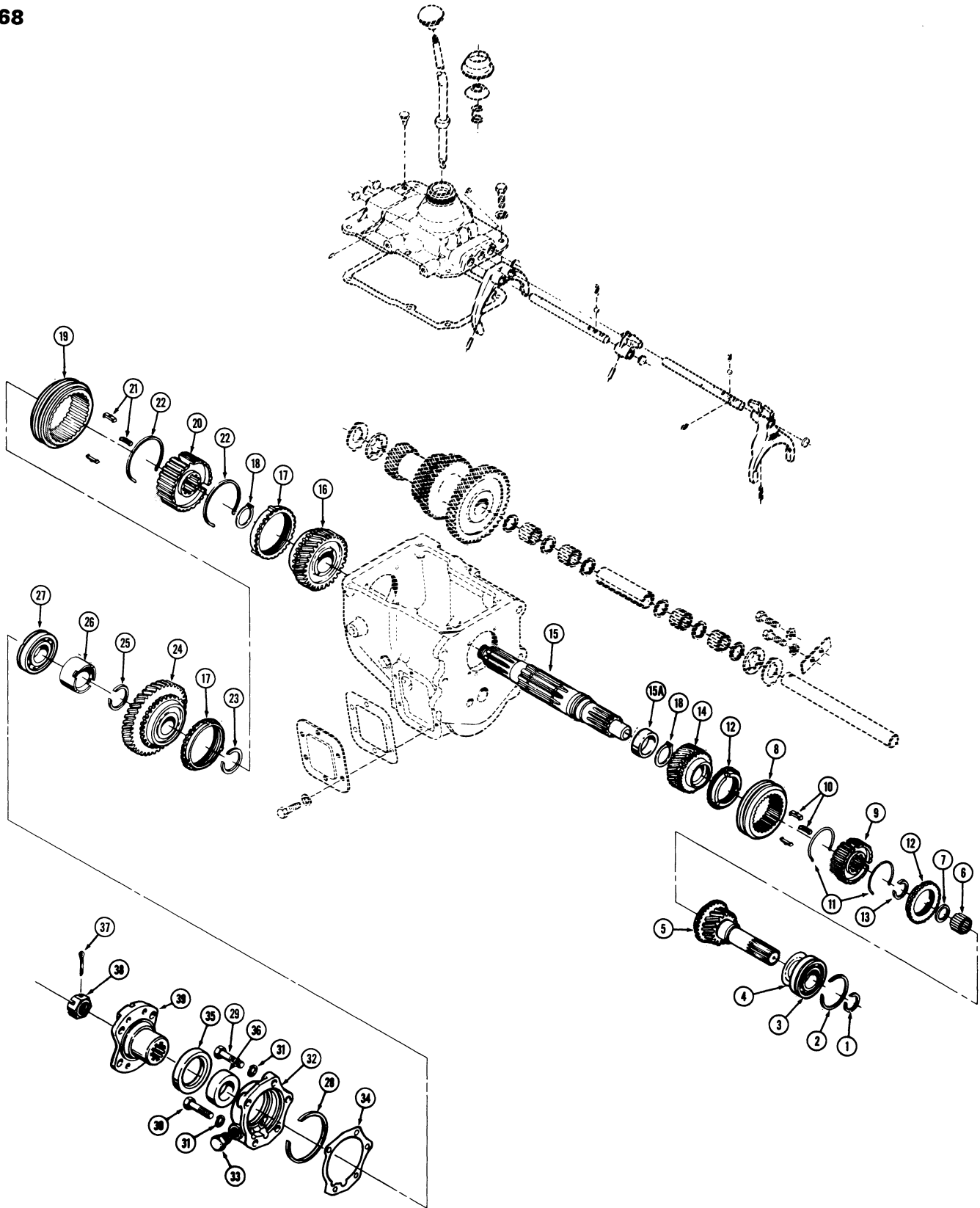


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 167

**TRANSMISSION
CASE AND COVERS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 54268	TRANSMISSION ASSEMBLY - 4-speed	1
1	D 72755	CASE - transmission	1
2	221- 676	PLUG - drain, magnetic	1
3	13- 610	HHCS - 3/8" - 16 NC x 5/8"	6
4	193- 10	WASHER - external tooth lock, 3/8"	6
5	L 33330	COVER - side, transmission	1
6	L 33331	GASKET - cover to case	1
7	13- 614	HHCS - 3/8" - 16 NC x 7/8"	6
8	92- 6	WASHER - lock, 3/8"	6
9	L 33366	COVER - shift control	1
10	L 33377	GASKET - cover to case	1
11	41- 12	PLUG - expansion	6
12	L 33367	PLUG - taper	1
13	L 33376	BREATHER - transmission case	1

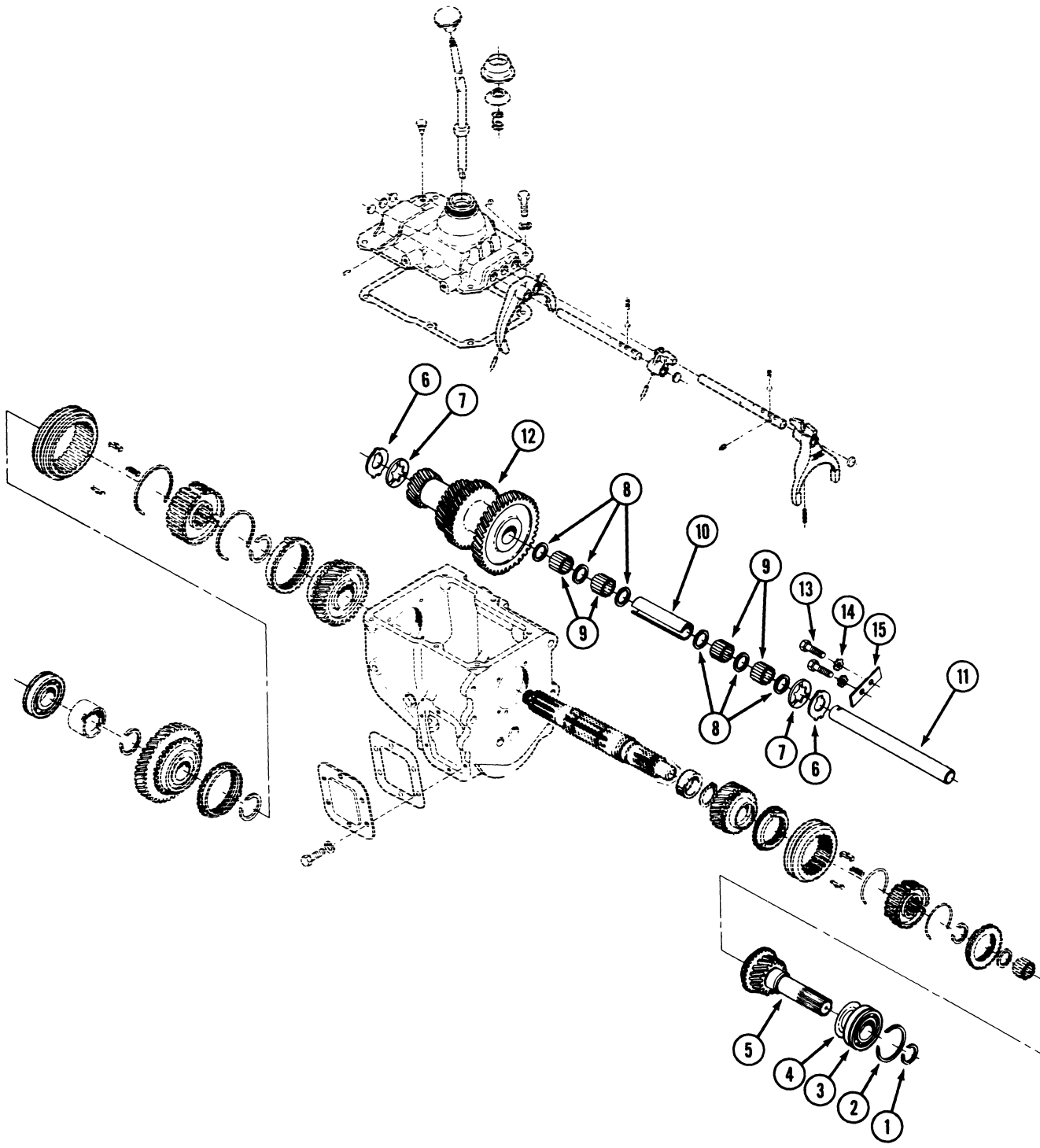
SEE PAGES 167 THRU 173 FOR COMPLETE TRANSMISSION



**TRANSMISSION
MAIN SHAFT AND GEARS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 54268	TRANSMISSION ASSEMBLY - 4 speed	1
1	L 33360	RING - retaining, main drive gear, color code - white	UAR
1	L 33361	RING - retaining, main drive gear, color code - blue	UAR
1	L 33362	RING - retaining, main drive gear, color code - orange	UAR
1	L 33363	RING - retaining, main drive gear, color code - green	UAR
2	A 14857	RING - retaining, bearing retaining	1
3	L 33357	BEARING - main drive gear	1
4	L 33358	SLINGER - oil	1
5	L 33356	GEAR - main drive	1
6	R 17820	BEARING - roller, main shaft	22
7	L 33352	SPACER - bearing	1
	L 33333	SYNCHRONIZER ASSEMBLY - third and fourth gear	1
8	NSS	HUB - synchronizer	1
9	NSS	SLEEVE - synchronizer	1
10	L 33395	PLATE - shifting	3
11	L 33396	SPRING - synchronizer	2
12	L 33336	RING - blocking, synchronizer, third and fourth gears	2
13	L 33337	RING - retaining, synchronizer to shaft	1
14	L 33335	GEAR - third speed	1
15	L 33332	SHAFT - main	1
15A	L 35314	WASHER - thrust, main shaft, if used	1
16	L 33339	GEAR - second speed	1
17	L 33343	RING - blocking, synchronizer, first and second gears	2
18	L 33338	RING - retaining, synchronizer to shaft	2
	L 33334	SYNCHRONIZER ASSEMBLY - first and second gears	1
19	NSS	HUB - synchronizer	1
20	NSS	SLEEVE - synchronizer	1
21	L 33397	PLATE - shifting	3
22	L 33398	SPRING - synchronizer	2
23	L 33338	RING - retaining, synchronizer, color code - steel	UAR
23	L 33340	RING - retaining, synchronizer, color code - white	UAR
23	L 33341	RING - retaining, synchronizer, color code - blue	UAR
23	L 33342	RING - retaining, synchronizer, color code - orange	UAR
24	L 33344	GEAR - first speed	1
25	L 33342	RING - retaining, gear to main shaft	1
26	L 33345	SPACER - reverse gear	1
27	L 33346	BEARING - main shaft	1
28	A 14857	RING - retaining, bearing	1
29	13- 616	HHCS - 3/8" - 16 NC x 1"	4
30	13- 630	HHCS - 3/8" - 16 NC x 1-7/8"	1
31	193- 10	WASHER - external tooth lock, 3/8"	5
32	L 35603	RETAINER - bearing, main shaft, uses item 33	1
32	D 78405	RETAINER - bearing, main shaft, does not use item 33, not illustrated	1
33	L 33402	PLUG - speedometer outlet	1
34	L 33364	GASKET - bearing retainer	1
35	D 50060	OIL SEAL - main shaft	1
36	L 33347	SPACER - speedometer gear	1
37	132- 54	PIN - cotter, 1/8" (3.17 mm) dia. x 1-3/4" (43.9 mm)	1
38	L 48339	NUT - output shaft to companion flange	1
39	L 48234	FLANGE - companion	1

SEE PAGES 167 THRU 173 FOR COMPLETE TRANSMISSION

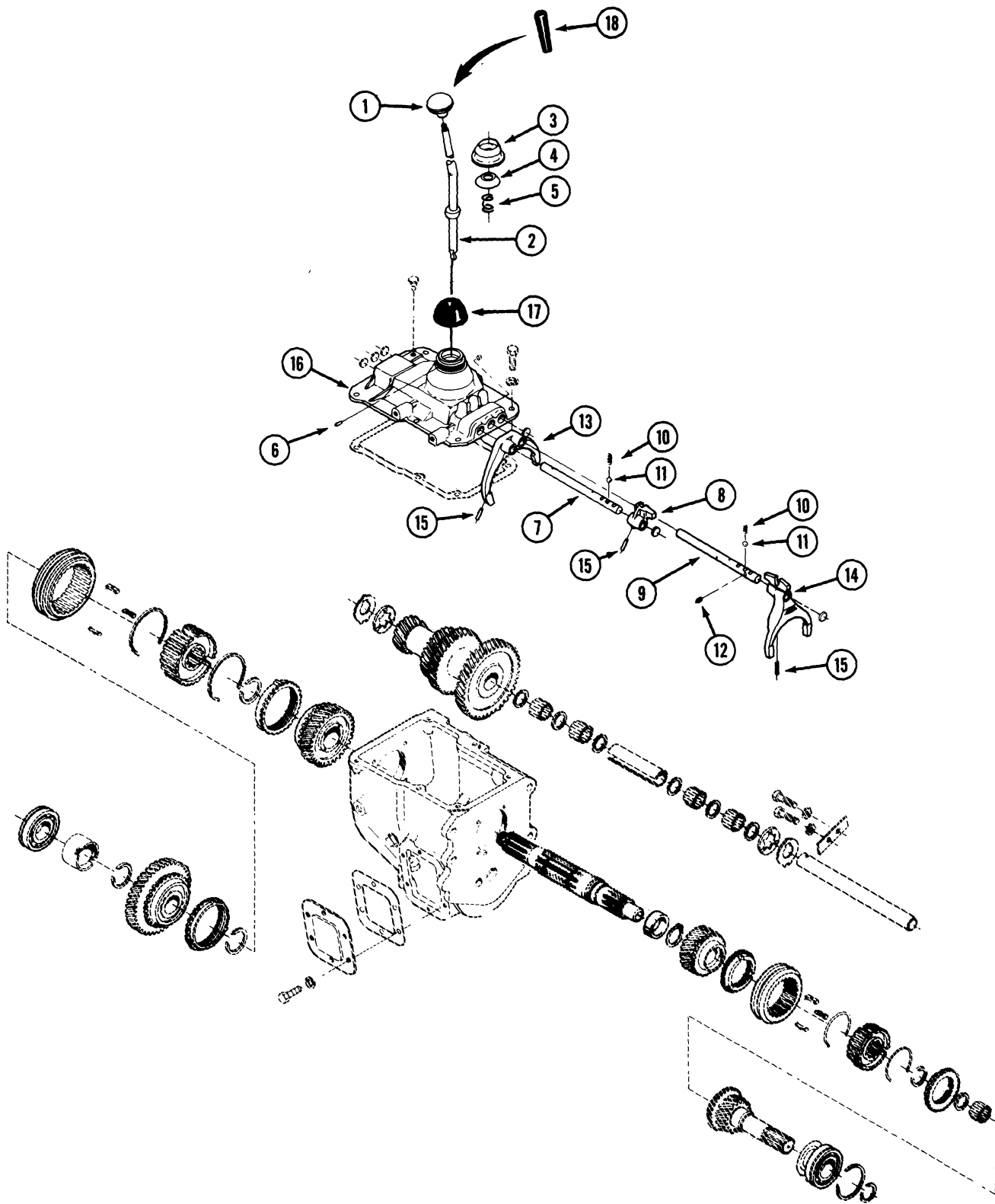


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 171

**TRANSMISSION
INPUT, IDLER GEAR AND COUNTERSHAFT**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 54268	TRANSMISSION ASSEMBLY - 4 speed	1
1	L 33360	RING - retaining, main drive gear, color code - white	UAR
1	L 33361	RING - retaining, main drive gear, color code - blue	UAR
1	L 33362	RING - retaining, main drive gear, color code - orange ...	UAR
1	L 33363	RING - retaining, main drive gear, color cose - green	UAR
2	A 14857	RING - retaining, bearing	1
3	L 33357	BEARING - main drive gear	1
4	L 33358	SLINGER - oil	1
5	L 33356	GEAR - main drive	1
6	L 33350	WASHER - thrust, countershaft, outer	2
7	L 33351	WASHER - thrust, countershaft, inner	2
8	L 33352	SPACER - countershaft bearing	6
9	R 17820	BEARING - roller, countershaft	88
10	L 33349	SPACER - bearing, center, 5" (127 mm) long	1
11	L 33354	SHAFT - counter	1
12	L 33348	GEAR - countershaft and reverse idler	1
13	13- 612	HHCS - 3/8" - 16 NC x 3/4"	2
14	193- 10	WASHER - lock	2
15	L 33355	PLATE - lock, countershaft	1

SEE PAGES 167 THRU 173 FOR COMPLETE TRANSMISSION

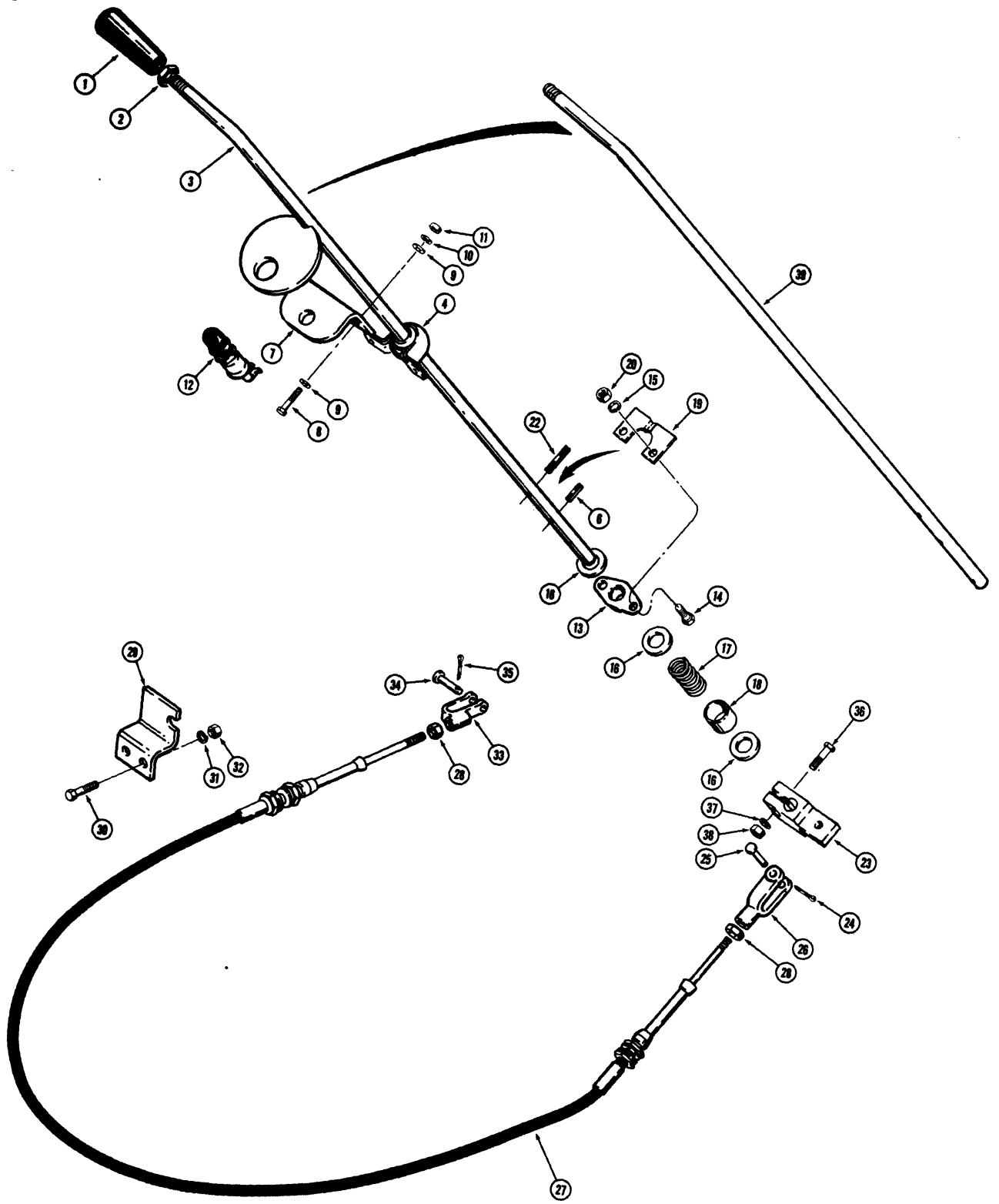


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 173

**TRANSMISSION CONTROLS
FOUR SPEED SHIFTING PARTS**

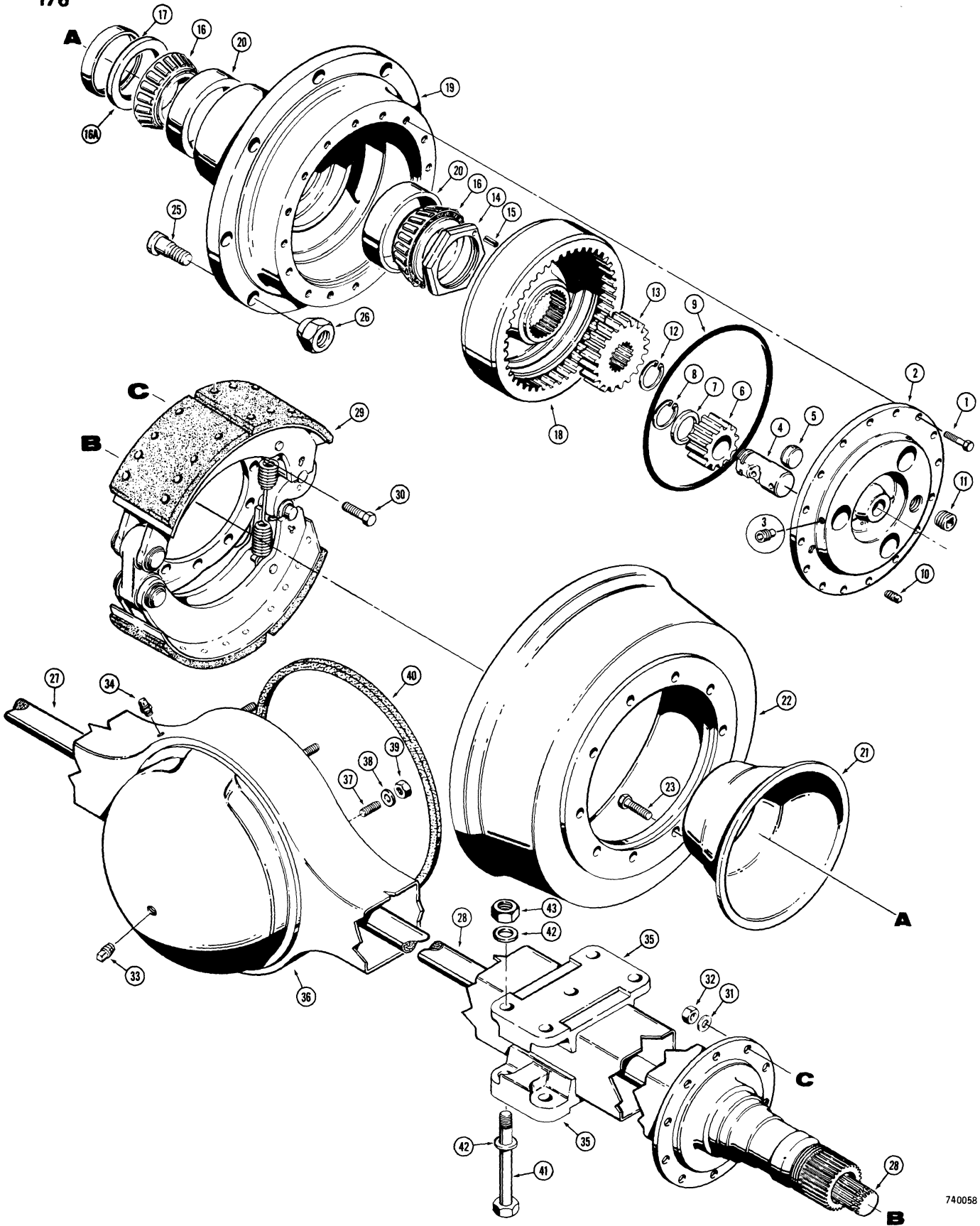
REF.	PART NO.	DESCRIPTION	REQ'D.
	L 54268	TRANSMISSION ASSEMBLY - 4 speed	1
1	A 26727	KNOB - shift lever	1
2	D 72860	LEVER - shift control	1
3	L 33378	CAP - control cover	1
4	L 33379	WASHER - spring, control lever	1
5	L 33380	SPRING - control lever	1
6	L 33375	PIN - control cover	1
7	L 33369	RAIL - shift, first and second gears	1
8	L 33372	END - shift rail, first and second gears	1
9	L 33368	RAIL - shift, third and fourth gears	1
10	L 33373	SPRING - poppet	2
11	211- 11	BALL - steel, 3/8" (9.5 mm) dia.	2
12	L 33374	PLUNGER - interlock	1
13	L 33371	FORK - shifting, first and second gears	1
14	L 33370	FORK - shifting, third and fourth gears	1
15	138- 97	PIN - roll, 3/16" (4.76 mm) dia. x 1-1/8" (28.57 mm)	3
16	L 33366	COVER - shift control, see page 167 for related parts	1
17	L 33986	BOOT - shift lever	1
18	L 58835	KNOB - transmission shift, if used	1

SEE PAGES 167 THRU 173 FOR COMPLETE TRANSMISSION



**TRANSMISSION CONTROLS
FORWARD-REVERSE SHIFTING PARTS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 55721	HANDLE - shift lever	1
2	25- 156	NUT - hex., lock, 5/8" - 11 NC	1
3	L 57819	LEVER - shift, forward and reverse, used before transmission sn. 75001	1
4	L 74516	BEARING - support, lever, upper	1
5		RESERVED	
6	138- 63	PIN - roll, 1/8" x 1-1/4"	1
7	L 55937	BRACKET - mounting, neutral start button, used before transmission sn. 75001	1
8	13- 520	HHCS - 5/16" - 18 NC x 1-1/4"	2
9	195- 21	WASHER - flat, 5/16"	4
10	92- 5	WASHER - lock, 5/16"	2
11	25- 105	NUT - hex., 5/16" - 18 NC	2
12	L 55778	SWITCH - starting, push button, see page 79 for electrical connection, used before transmission sn. 75001	1
13	L 58543	BEARING - support, lever, lower	1
14	13- 520	HHCS - 5/16" - 18 NC x 1-1/4"	2
15	92- 5	WASHER - lock, 5/16"	2
16	195- 2074	WASHER - flat, 5/8"	3
17	L 74517	SPRING - forward and reverse	1
18	L 12479	SLEEVE - spring	1
19	L 70051	PLATE - forward and reverse lever	1
20	25- 105	NUT - hex., 5/16" - 18 NC	2
21		RESERVED	
22	138- 104	PIN - roll, 3/16" x 2"	1
23	L 70454	LEVER - forward-reverse control	1
24	132- 7	PIN - cotter, 1/16" x 3/4"	1
25	141- 2	PIN - clevis, 1/4"	1
26	213- 2	CLEVIS - cable end, 1/4"	1
27	L 55718	CABLE - control, forward-reverse	1
28	25- 214	NUT - hex., 1/4" - 28 NF	2
29	L 55867	BRACKET - cable mounting, lower	1
30	13- 616	HHCS - 3/8" - 16 NC x 1"	2
31	92- 6	WASHER - lock, 3/8"	2
32	25- 106	NUT - hex., 3/8" - 16 NC	2
33	L 55717	CLEVIS - offset, at control valve	1
34	L 26373	PIN - clevis, special	1
35	132- 7	PIN - cotter, 1/16" x 3/4"	1
36	13- 524	HHCS - 5/16" - 18 NC x 1-1/2"	1
37	92- 5	WASHER - lock, 5/16"	1
38	25- 105	NUT - hex., 5/16" - 18 NC	1
39	L 74086	LEVER - forward-reverse, shift, used transmission sn. 75001 and after	1



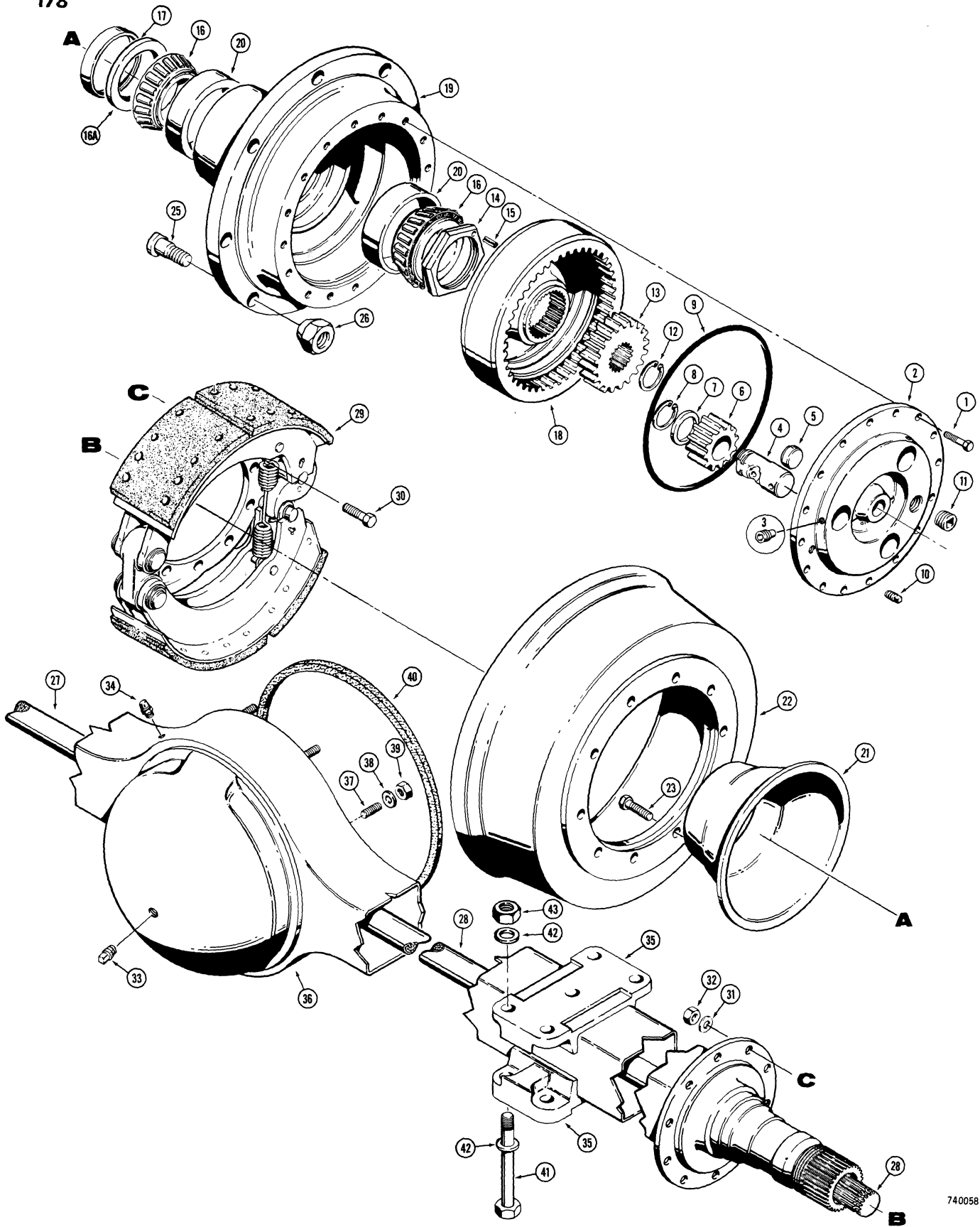
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 177

**L57350 AND L70686 REAR AXLE
AXLE HOUSING AND PLANETARY**

FIND ROCKWELL NUMBER ON AXLE — THEN USE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 57350	AXLE ASSEMBLY - complete, rear, PR65-PX-6/17.44-1	1
	L 70686	AXLE ASSEMBLY - complete, rear, PR65-PX-8/17.44-1	1
1	A 18221	CAPSCREW - special	32
	L 35235	SPIDER AND COVER ASSEMBLY - planetary	2
	L 35236	SPIDER ASSEMBLY - planetary	1
2	NSS	SPIDER - planetary	1
3	178- 256	SCREW - set, 3/8" x 5/8"	3
4	A 18246	SHAFT - pinion	3
5	A 18247	BUTTON - thrust	1
6	L 35237	PINION - gear	3
7	A 18236	WASHER - thrust	3
8	A 18242	RING - snap	3
9	A 18218	O-RING - planetary cover	2
10	221- 3	PLUG - drain, square head, 3/8" NPT	2
11	221- 25	PLUG - fill, square socket, 3/4" NPT	2
12	A 18241	RING - snap, sun gear retaining	2
13	L 35232	GEAR - sun	2
	L 35228	NUT ASSEMBLY - lock, bearing	2
14	NSS	NUT - lock	1
15	138- 132	PIN - roll	1
16	L 35221	CONE - bearing, roller	4
16A	L 35226	SEAL - bearing	2
17	L 35220	SLEEVE - oil seal	2
18	L 35230	GEAR - ring, pinion	2
	NSS	HUB AND DRUM ASSEMBLY - axle	2
	L 35223	HUB AND CUP ASSEMBLY - axle	1
19	NSS	HUB - wheel	1
20	A 63171	CUP - bearing, roller	2
21	L 35224	SLINGER - oil	1
22	L 35580	DRUM - brake	1
23	26- 1024	HHCS - 5/8" - 11 NC x 1-1/2", grade 8	10
24		RESERVED	
25	A 13112	STUD - wheel	8
26	A 12522	NUT - wheel to hub	16
27	L 35231	SHAFT - axle, L.H.	1
28	L 35234	SHAFT - axle, R.H.	1
29	REF.	BRAKE ASSEMBLY - axle, see pages 205 and 209 for proper brakes	2
30	28- 930	HHCS - 9/16" - 18 NF x 1-7/8", grade 8	20
31	L 35233	WASHER - special	20
32	131- 1235	NUT - lock, 9/16" - 18 NF	20
33	221- 25	PLUG - fill and drain	2
34	A 12928	BREATHER - axle housing	1
35	L 73207	PAD - axle mounting, lower pads not shipped with axle, order separately	4

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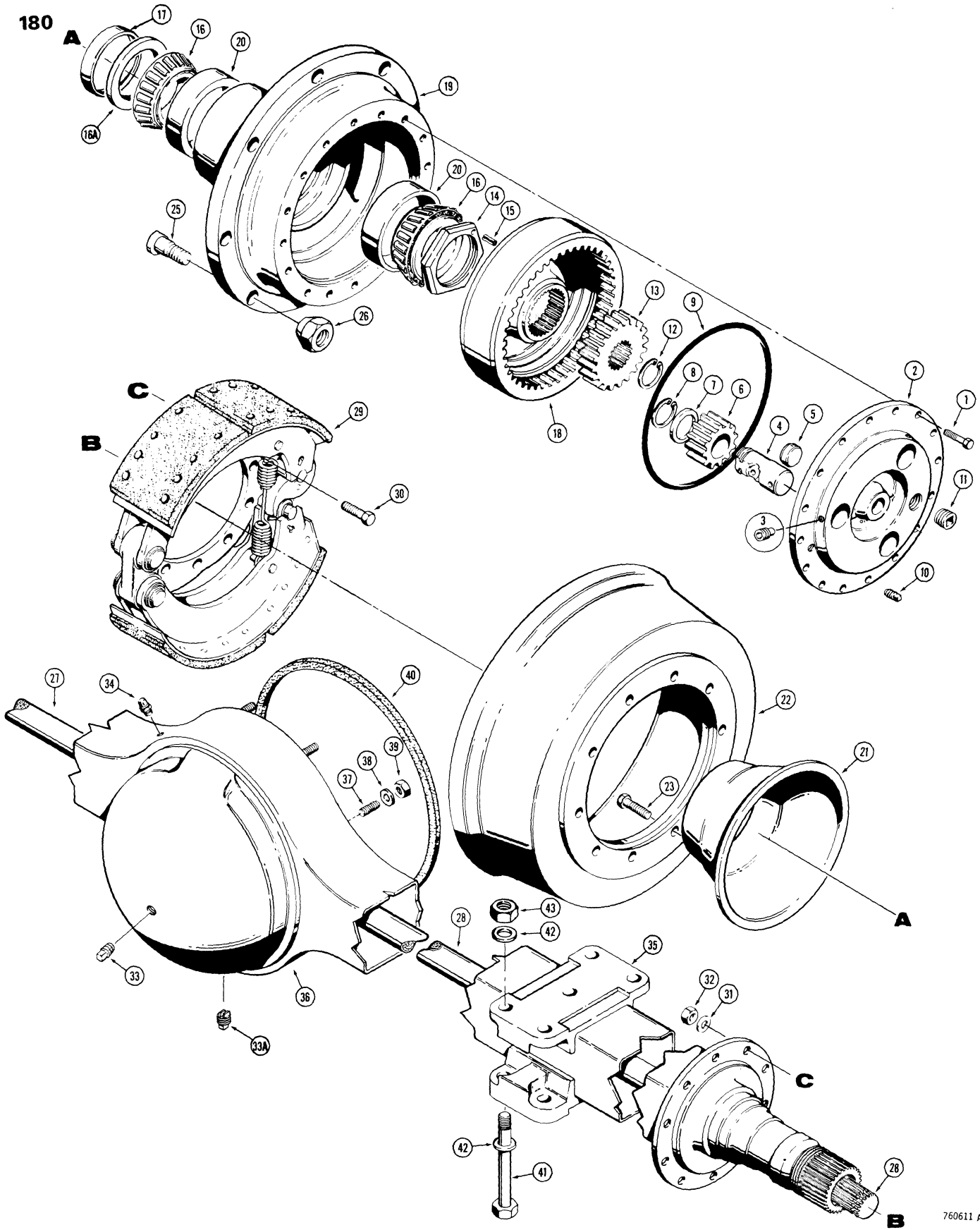
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 179

**L57350 AND L70686 REAR AXLE
AXLE HOUSING AND PLANETARY**

FIND ROCKWELL NUMBER ON AXLE — THEN USE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 57350	AXLE ASSEMBLY - complete, rear, PR65-PX-6/17.44-1	1
	L 70686	AXLE ASSEMBLY - complete, rear, PR65-PX-8/17.44-1	1
	L 35957	HOUSING ASSEMBLY - axle	1
36	NSS	HOUSING - axle	1
37	L 33691	STUD - carrier mounting, 3" (76.2 mm) long	2
37	L 33692	STUD - carrier housing, 2-1/2" (63.5 mm) long	2
37	L 33693	STUD - carrier housing, 1-7/8" (47.6 mm) long	6
38	D 47367	WASHER - special	10
39	129- 530	NUT - hex., 7/16" - 20 NF, grade 8	10
40	L 35977	GASKET - differential to housing	1
41	116- 707	HHCS - 3/4" - 16 NF x 9", grade 8	8
42	L 74506	WASHER - special, hardened	16
43	131- 186	NUT - hex., self lock, 3/4" - 16 NF	8

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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 181

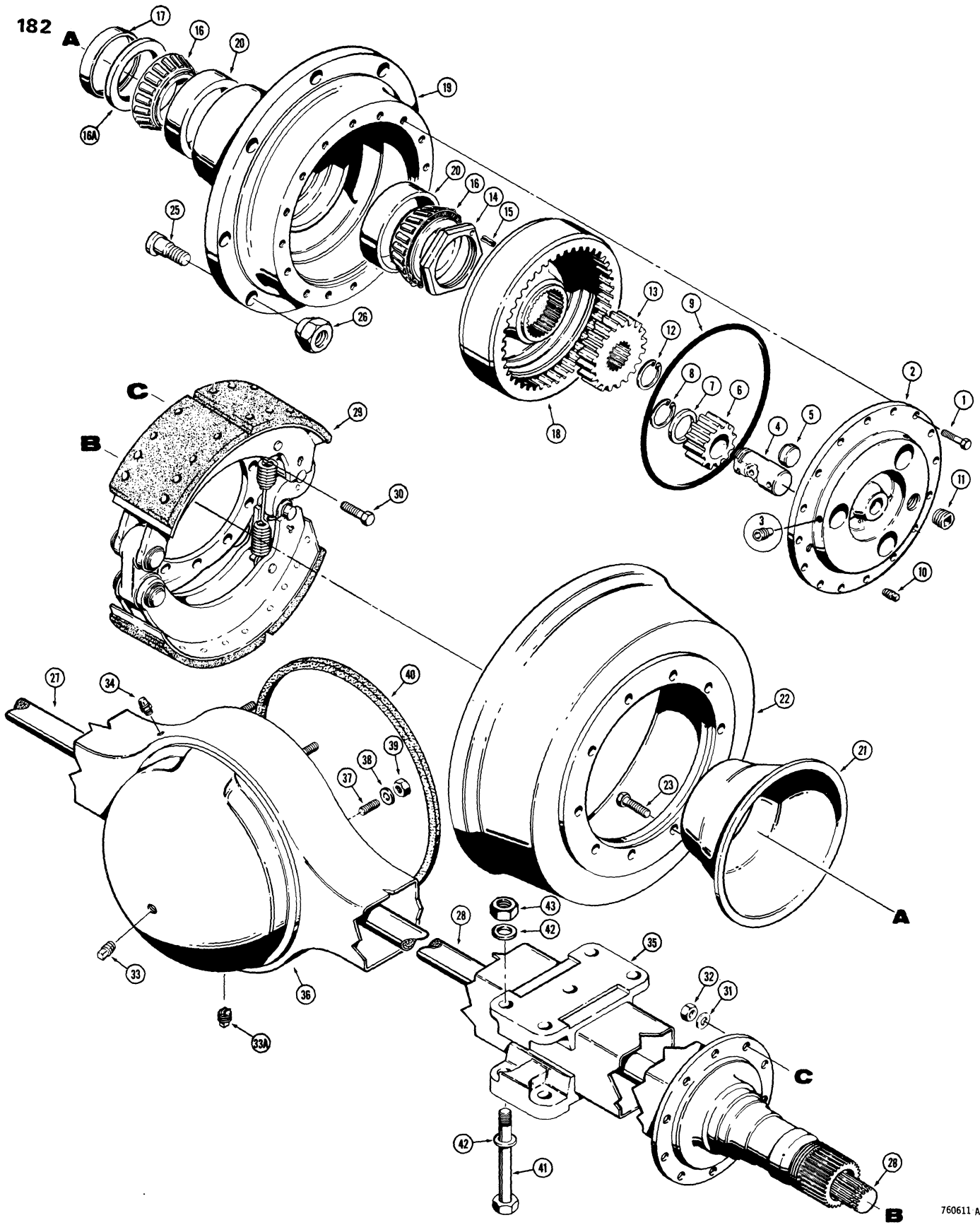
**L72035, L74029 AND L76807 REAR AXLE
AXLE HOUSING AND PLANETARY**

FIND ROCKWELL NUMBER ON AXLE — THEN USE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 72035	AXLE ASSEMBLY - complete, rear, PR65-PX-11/17.44-1	1
	L 74029	AXLE ASSEMBLY - complete, rear, PR65-PX-13/17.44-1	1
	L 76807	AXLE ASSEMBLY - complete, rear, PRS-204-P-2/17.44-1	1
1	26- 822	CAPSCREW - special	32
	L 35235	SPIDER AND COVER ASSEMBLY - planetary	2
	L 35236	SPIDER ASSEMBLY - planetary	1
2	NSS	SPIDER - planetary	1
3	178- 256	SCREW - set, 3/8" x 5/8"	3
4	A 18246	SHAFT - pinion	3
5	A 18247	BUTTON - thrust	1
6	L 35237	PINION - gear	3
7	A 18236	WASHER - thrust	3
8	A 18242	RING - snap	3
9	A 18218	SEAL - O-ring, planetary cover	2
10	221- 3	PLUG - drain, square head, 3/8" NPT	2
11	221- 25	PLUG - fill, square socket, 3/4" NPT	2
12	A 18241	RING - snap, sun gear retaining	2
13	L 35232	GEAR - sun	2
	L 35228	NUT ASSEMBLY - lock, bearing	2
14	NSS	NUT - lock	1
15	138- 132	PIN - roll	1
16	L 35221	CONE - bearing, roller	4
16A	L 35226	SEAL - bearing	2
17	L 35220	SLEEVE - oil seal	2
18	L 35230	GEAR - ring, pinion	2
	NSS	HUB AND DRUM ASSEMBLY - axle	2
	L 35223	HUB AND CUP ASSEMBLY - axle	1
19	NSS	HUB - wheel	1
20	A 63171	CUP - bearing, roller	2
21	L 35224	SLINGER - oil	1
22	L 35580	DRUM - brake	1
23	26- 1024	HHCS - 5/8" - 11 NC x 1-1/2", grade 8	10
24		RESERVED	
25	A 13112	STUD - wheel	8
26	A 12522	NUT - wheel to hub	16
27	L 35231	SHAFT - axle, L.H.	1
28	L 35234	SHAFT - axle, R.H.	1
29	REF.	BRAKE ASSEMBLY - axle, see pages 213 and 215 or 217 and 219 for proper brakes	2

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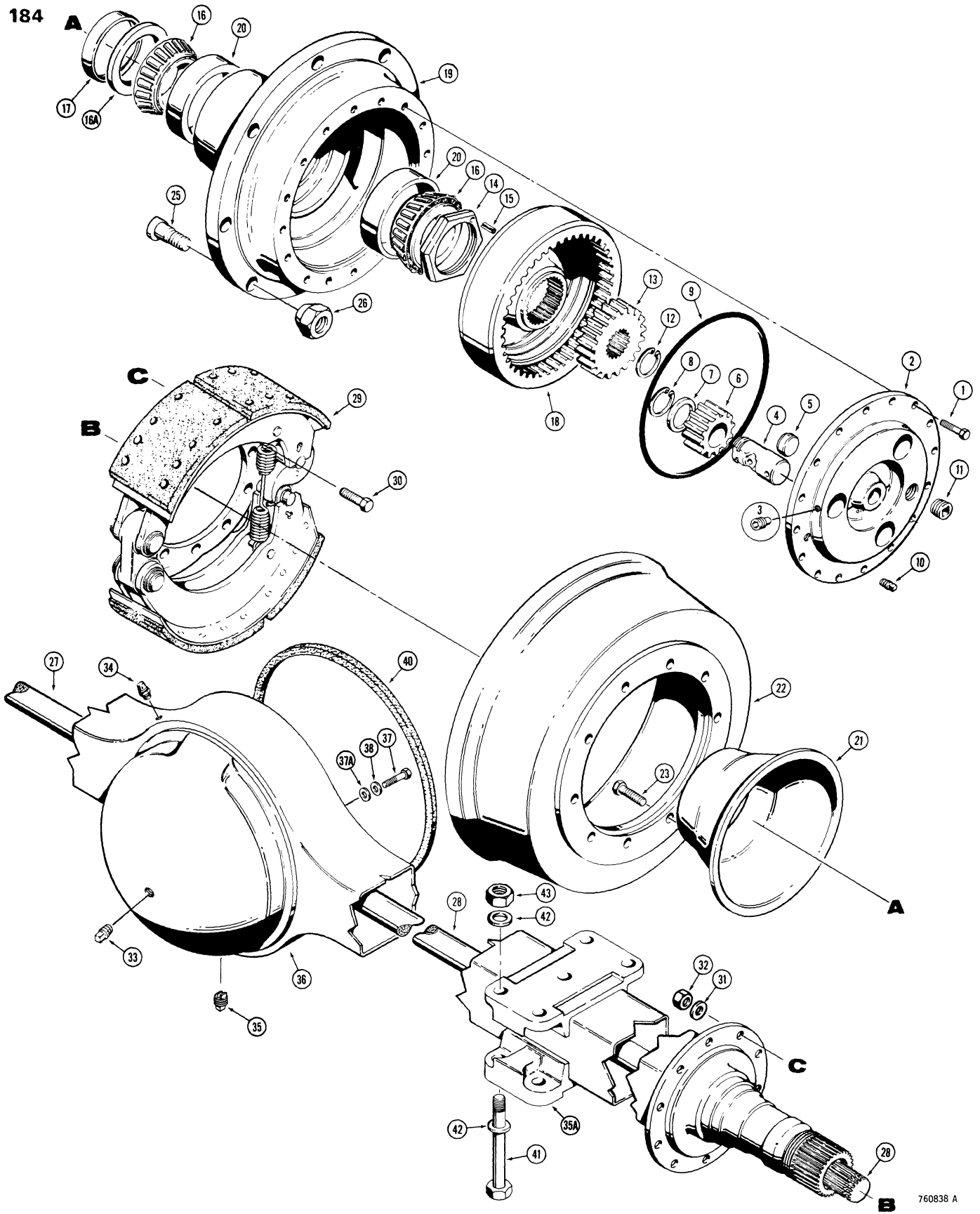


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 183

**L72035, L74029 AND L76807 REAR AXLE
AXLE HOUSING AND PLANETARY**

FIND ROCKWELL NUMBER ON AXLE — THEN USE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 72035	AXLE ASSEMBLY - complete, rear, PR65-PX-11/17.44-1	1
	L 74029	AXLE ASSEMBLY - complete, rear, PR65-PX-13/17.44-1	1
	L 76807	AXLE ASSEMBLY - complete, rear, PRS-204-P-2/17.44-1	1
30	28- 930	HHCS - 9/16" - 18 NF x 1-7/8", grade 8, if used	20
30	28 1032	HHCS - 5/8" - 18 NF x 1-7/8", grade 8, if used	20
31	L 35233	WASHER - special, 9/16", if used	20
31	L 30737	WASHER - special, 5/8", if used	20
32	131- 1235	NUT - hex., self lock, 9/16" - 18 NF, if used	20
32	131- 1236	NUT - lock, 5/8" - 18 NF, if used	20
33	221- 25	PLUG - fill	1
33A	221- 678	PLUG - drain, magnetic	1
34	A 12928	BREATHER - axle housing	1
35	L 35587	PAD - axle mounting, L72035 or L74029 axles, lower pads not shipped with axle, order separately	2
35	L 76970	PAD - axle mounting, L76807 axle only, lower pads shipped with axle - order separately	4
	L 35957	HOUSING ASSEMBLY - L72035 or L74029 axles	1
	D 77623	HOUSING ASSEMBLY - L76807 axle only	1
36	NSS	HOUSING - axle	1
37	L 33691	STUD - carrier mounting, 3" (76.2 mm) long	2
37	L 33692	STUD - carrier housing, 2-1/2" (63.5 mm) long	2
37	L 33693	STUD - carrier housing, 1-7/8" (47.6 mm) long	6
38	D 47367	WASHER - special	10
39	129- 530	NUT - hex., 7/16" - 20 NF, grade 8	10
40	NSS	GASKET - differential housing, order M20704 gasket material	1
41	116- 707	HHCS - 3/4" - 16 NF x 9", grade 8, if used	8
41	116- 701	HHCS - 3/4" - 16 NF x 8", grade 8, if used	8
42	L 74506	WASHER - special, hardened	16
43	131- 186	NUT - hex., self lock, 3/4" - 16 NF	8

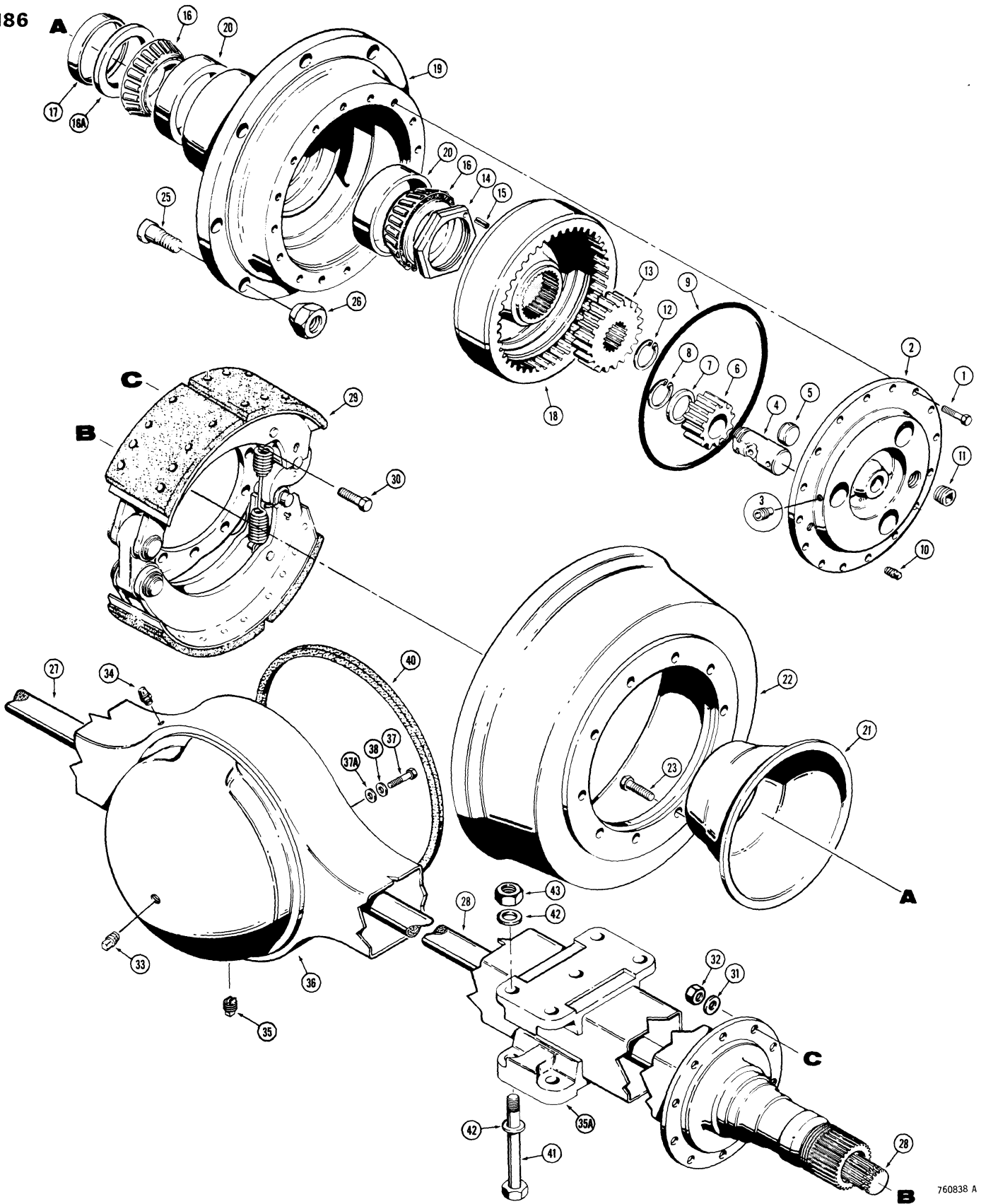


**L78317 AND L100707 REAR AXLE
AXLE HOUSING AND PLANETARY
FIND ROCKWELL NUMBER ON AXLE - THEN USE CORRECT PARTS LIST**

REF.	PART NO.	DESCRIPTION	REQ'D
	L 78317	AXLE ASSEMBLY - complete, rear, PRS-204-P3/17.44-1	1
	L 100707	AXLE ASSEMBLY - complete, rear, PRS-204-P4/17.44-1	1
1	A 18221	CAPSCREW - special	32
	L 35235	SPIDER AND COVER ASSEMBLY - planetary	2
	L 35236	SPIDER ASSEMBLY - planetary	1
2	NSS	SPIDER - planetary	1
3	178- 256	SCREW - set, 3/8" x 5/8"	3
4	A 18246	SHAFT - pinion	3
5	A 18247	BUTTON - thrust	1
6	L 35237	PINION - gear	3
7	A 18236	WASHER - thrust	3
8	A 18242	RING - snap	3
9	A 18218	O-RING - planetary cover, if used	2
9	345- 84	GASKET - form-in-place, if used, not shown	2
10	221- 3	PLUG - drain, square head, 3/8" NPT	2
11	221- 25	PLUG - fill, square socket, 3/4" NPT	2
12	A 18241	RING - snap, sun gear retaining	2
13	L 35232	GEAR - sun	2
	L 35228	NUT ASSEMBLY - lock, bearing	2
14	NSS	NUT - lock	1
15	138- 132	PIN - roll	1
16	L 35221	CONE - bearing, roller	4
16A	L 35226	SEAL - bearing	2
17	L 35220	SLEEVE - oil seal	2
18	L 35230	GEAR - ring, pinion	2
	L 35223	HUB AND CUP ASSEMBLY - axle	2
19	NSS	HUB - wheel	1
20	A 63171	CUP - bearing, roller	2
21	L 35224	SLINGER - oil	2
22	L 35580	DRUM - brake	2
23	26- 1024	HHCS - 5/8" - 11 NC x 1-1/2", grade 8	20
24		RESERVED	
25	A 13112	STUD - wheel	16
26	A 12522	NUT - wheel, not shipped with axle, order separately	16
27	L 35231	SHAFT - axle, L.H.	1
28	L 35234	SHAFT - axle, R.H.	1
29	REF.	BRAKE ASSEMBLY - axle, see pages 217 and 219 for proper brakes	2
30	28- 1032	HHCS - 5/8" - 18 NF x 2", grade 8	20
31	L 30737	WASHER - special	20
32	131- 1236	NUT - hex, self lock, 5/8" - 18 NF	20

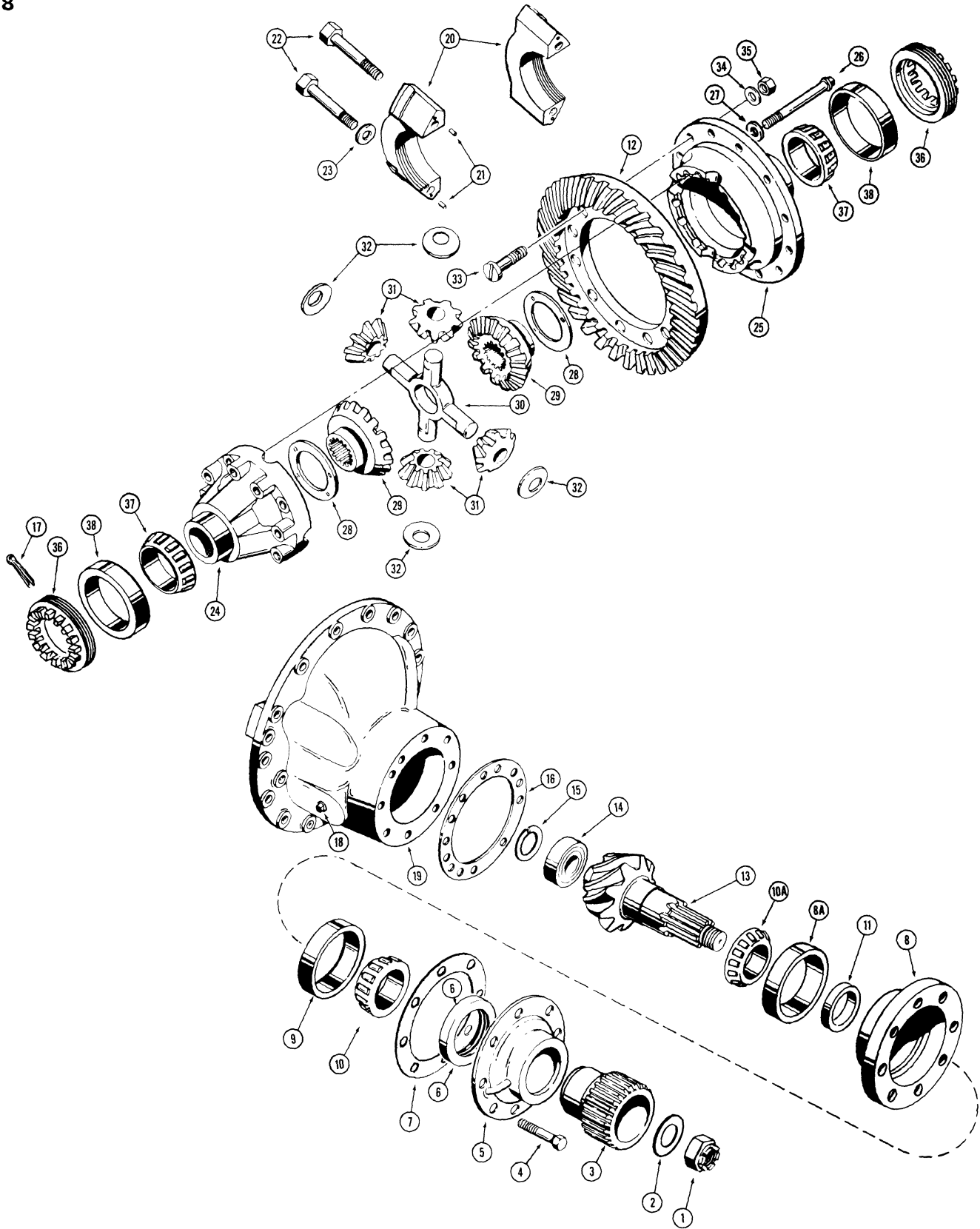
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**D 78348 HOUSING ASSEMBLY - service, includes items, 33, 35 and 36 1



**L78317 AND L100707 REAR AXLE
 AXLE HOUSING AND PLANETARY
 FIND ROCKWELL NUMBER ON AXLE - THEN USE CORRECT PARTS LIST**

REF.	PART NO.	DESCRIPTION	REQ'D
	L 78317	AXLE ASSEMBLY - complete, rear, PRS-204-P3/17.44 -1	1
	L 100707	AXLE ASSEMBLY - complete, rear, PRS-204-P4/17.44 -1	1
33	**221- 25	PLUG - fill	1
34	A 12928	BREATHER - axle housing	1
35	**221- 678	PLUG - drain, magnetic	1
35A	L 76957	PAD - axle, lower pads not shipped with axle, order sepately	4
36	** NSS	HOUSING - axle	1
37	26- 824	HHCS - 1/2" - 13 NC x 1-1/2", grade 8	12
37	26- 728	HHCS - 7/16" - 14 NC x 1-3/4", grade 8	2
37	26- 740	HHCS - 7/16" - 14 NC x 2-1/2", grade 8	2
37A	D 47366	WASHER - flat	12
38	D 47367	WASHER - special	4
39		RESERVED	
40	NSS	GASKET - differential to housing, order M20704 from-in-place gasket ..	1
41	116- 703	HHCS - 3/4" - 16 NF x 9-1/2", grade 8	8
42	L 74506	WASHER - special, hardened	16
43	131- 1251	NUT - hex, lock, 3/4" - 16 NF	8
**D	78348	HOUSING ASSEMBLY - service, includes items 33, 35 and 36	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 189

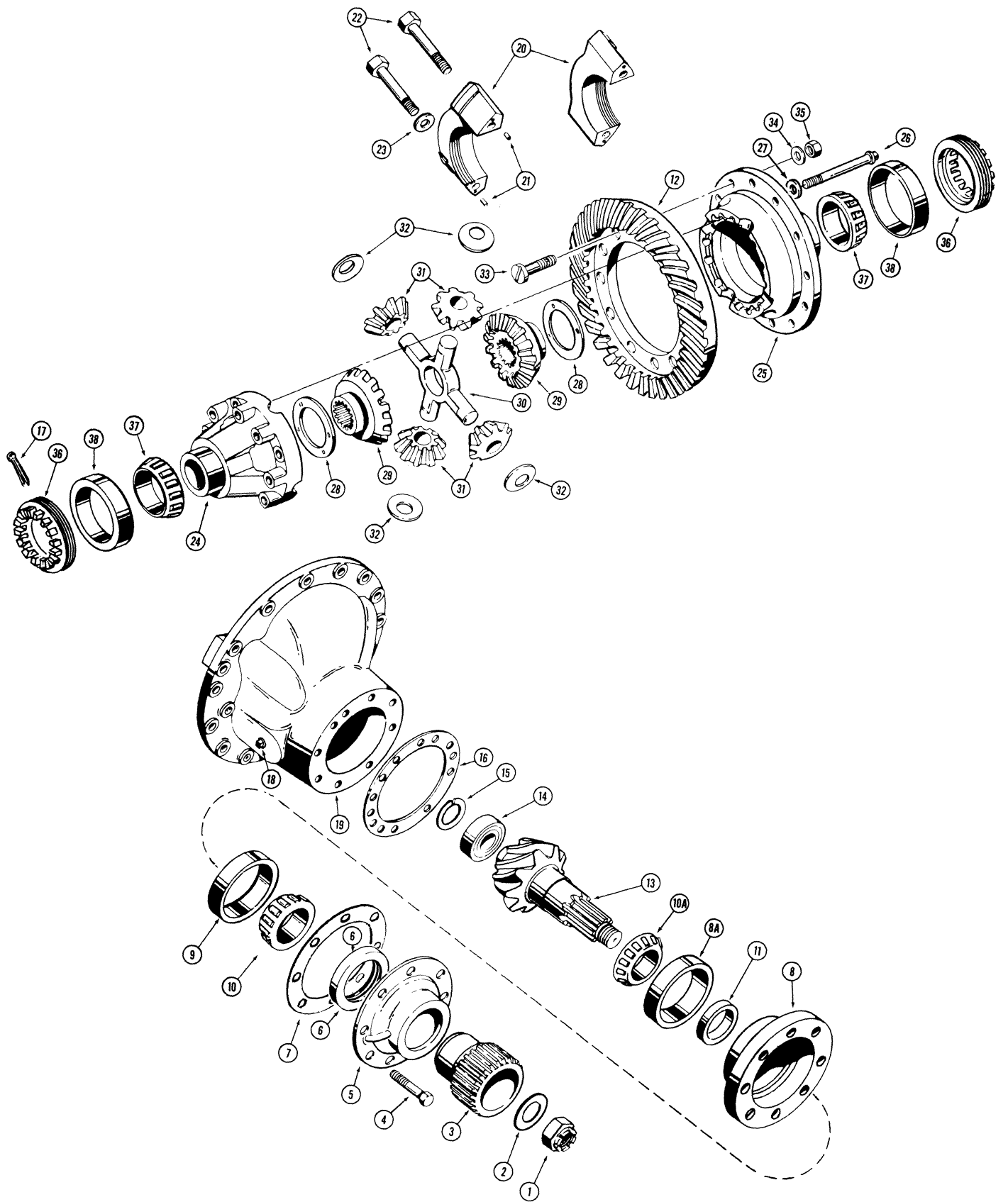
**L57350 AND L70686 REAR AXLE
DIFFERENTIAL**

FIND ROCKWELL NUMBER ON AXLE — THEN USE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
L	57350	AXLE ASSEMBLY - complete, rear, PR65-PX-6/17.44-1	1
L	70686	AXLE ASSEMBLY - complete, rear, PR65-PX-8/17.44-1	1
D	73626	DIFFERENTIAL ASSEMBLY - axle, replaces D66310	1
1 *L	35091	NUT - slotted, special, sleeve to shaft	1
2 A	13124	WASHER - sleeve retaining	1
3 L	35585	SLEEVE - splined	1
4 13-	720	HHCS - 7/16" - 14 NC x 1-1/4"	8
L	35927	COVER ASSEMBLY - includes seal	1
5	NSS	COVER - pinion shaft	1
6 L	35584	SEAL - oil, pinion shaft	1
7 L	33674	GASKET - pinion cover to cage	1
D	73692	CAGE ASSEMBLY - pinion shaft bearing	1
8	NSS	CAGE - pinion bearing	1
8A	NSS***	CUP - bearing, inner, 3-7/8" (98.4 mm) O.D., if used	1
8A R	10277	CUP - bearing, inner, 3-1/2" (88.9 mm) O.D., if used	1
9 A	13161	CUP - bearing, outer	1
10 A	13160	CONE - bearing, outer	1
10A	NSS***	CONE - inner, see below	1
10A R	10276	CONE - bearing, inner used with R10277 cup only	1
11 **D	74357	SPACER - bearing, .153" (3.886 mm) thick	UAR
11 **D	74358	SPACER - bearing, .154" (3.911 mm) thick	UAR
11 **D	74359	SPACER - bearing, .155" (3.937 mm) thick	UAR
11 **D	74360	SPACER - bearing, .156" (3.962 mm) thick	UAR
11 **D	74361	SPACER - bearing, .157" (3.987 mm) thick	UAR
11 **D	74362	SPACER - bearing, .158" (4.013 mm) thick	UAR
11 **D	74363	SPACER - bearing, .164" (4.165 mm) thick	UAR
11 **D	74364	SPACER - bearing, .170" (4.318 mm) thick	UAR
11 **A	18358	SPACER - bearing, .172" (4.368 mm) thick	UAR
11 **A	18359	SPACER - bearing, .173" (4.394 mm) thick	UAR
11 **A	18390	SPACER - bearing, .174" (4.419 mm) thick	UAR
11 **A	18361	SPACER - bearing, .175" (4.445 mm) thick	UAR
11 **D	74365	SPACER - bearing, .176" (4.470 mm) thick	UAR
11 **A	18363	SPACER - bearing, .177" (4.495 mm) thick	UAR
11 **D	74366	SPACER - bearing, .182" (4.662 mm) thick	UAR
11 **A	18364	SPACER - bearing, .188" (4.775 mm) thick	UAR
11 **A	18365	SPACER - bearing, .189" (4.800 mm) thick	UAR
11 **A	18366	SPACER - bearing, .195" (4.953 mm) thick	UAR
11 **A	18367	SPACER - bearing, .201" (5.105 mm) thick	UAR

Continued on next page

- *A 18200 KIT - gear, includes items 1, 12, 13, 15, 33, 34 and 35.
- **NOTE: Use two spacers (item 11) together to replace the single original equipment spacer.
- ***D 72766 BEARING - includes cup and cone with outer cup diameter of 3-7/8" (98.4 mm) see item 8A and 10A above, if used 1

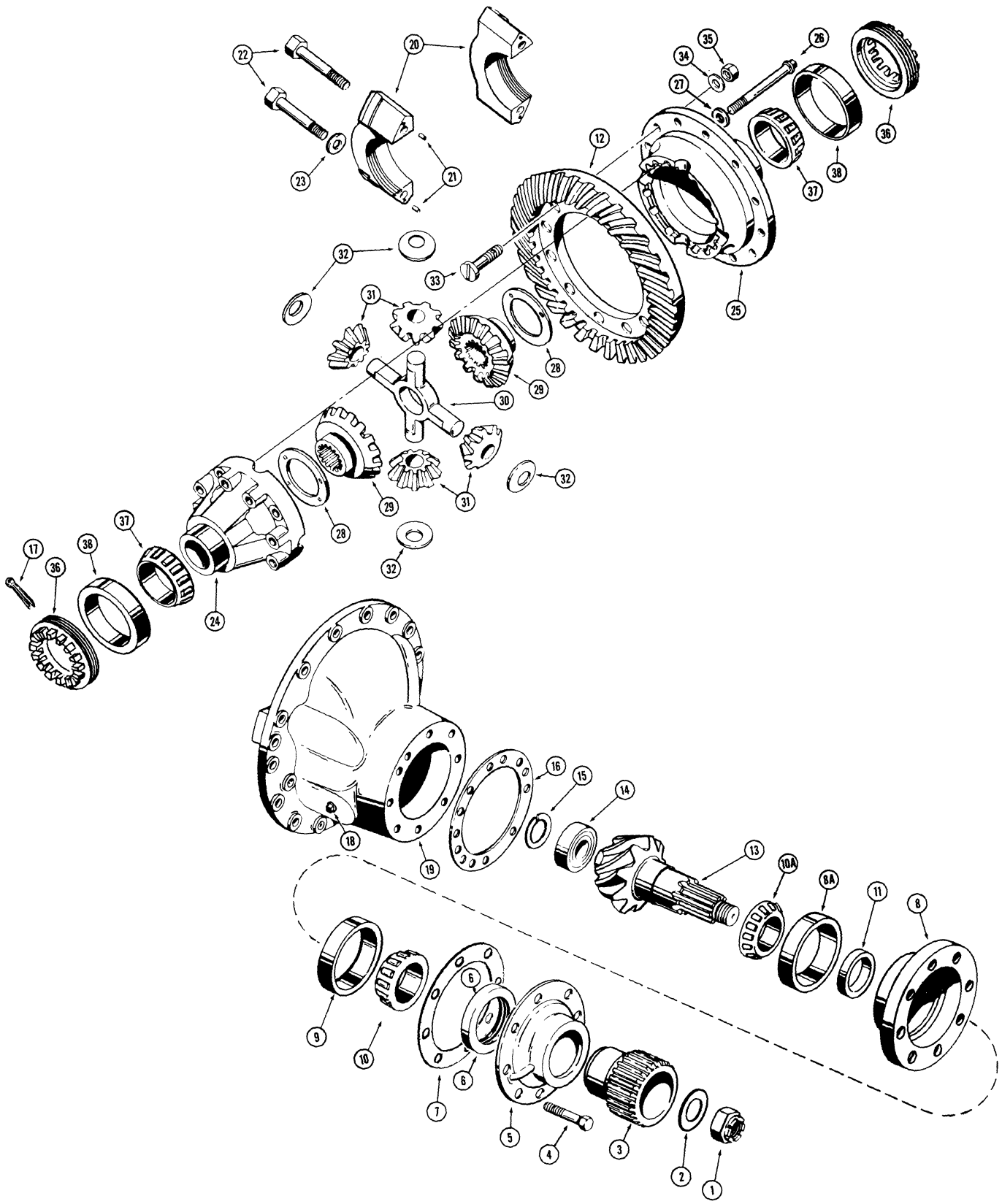


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 191

**L57350 AND L70686 REAR AXLE
DIFFERENTIAL**

FIND ROCKWELL NUMBER ON AXLE — THEN USE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
L	57350	AXLE ASSEMBLY - complete, rear, PR65-PX-6/17.44-1	1
L	70686	AXLE ASSEMBLY - complete, rear, PR65-PX-8/17.44-1	1
D	73626	DIFFERENTIAL ASSEMBLY - axle (continued)	1
*	REF.	GEAR SET - ring and pinion, order A18200 kit, see note below	1
12	* NSS	GEAR - ring	1
13	* NSS	GEAR - pinion	1
14	A 18182	BEARING - inner, drive pinion	1
15	*A 18199	RING - bearing retaining	1
16	L 36104	SHIM - bearing cage, .003" (0.076 mm) thick	UAR
16	L 36105	SHIM - bearing cage, .005" (0.127 mm) thick	UAR
16	L 36106	SHIM - bearing cage, .010" (2.254 mm) thick	UAR
17	A 18196	PIN - lock, cotter	2
	L 35924	CARRIER AND CAP ASSEMBLY - differential	1
18	221- 835	PLUG - square head, 3/4" NPT	1
	L 35925	CARRIER AND CAP - differential	1
19	NSS	CARRIER - differential	1
20	NSS	CAP - differential bearing	2
21	A 15443	DOWELL - cap	4
22	26- 1056	HHCS - 5/8" - 11 NC x 3-1/2", grade 8	4
23	L 30737	WASHER - special	4
	D 66306	CASE AND GEAR ASSEMBLY - differential	1
	D 66305	CASE ASSEMBLY - differential	1
24	NSS	CASE - plain half	1
25	NSS	CASE - flange half	1
26	26- 848	BOLT - special	8
27	D 47366	WASHER - special hardened	8
28	F 9740	WASHER - thrust, side gear	2
29	D 66304	GEAR - differential, side	2
30	A 18181	SPIDER - differential	1
31	A 18175	GEAR - differential, pinion	4
32	A 18176	WASHER - thrust	4
33	*L 35919	BOLT - special, ring gear to differential	12
34	*D 47366	WASHER - special	12
35	*131- 1138	NUT - hex., lock, 1/2" - 13 NC	12
36	A 18194	RING - bearing adjusting	2
37	A 18173	CONE - bearing	2
38	L 35931	CUP - bearing	2
*A	18200	KIT - gear, includes items 1, 12, 13, 15, 33, 34 and 35.	



**L72035 REAR AXLE
DIFFERENTIAL**

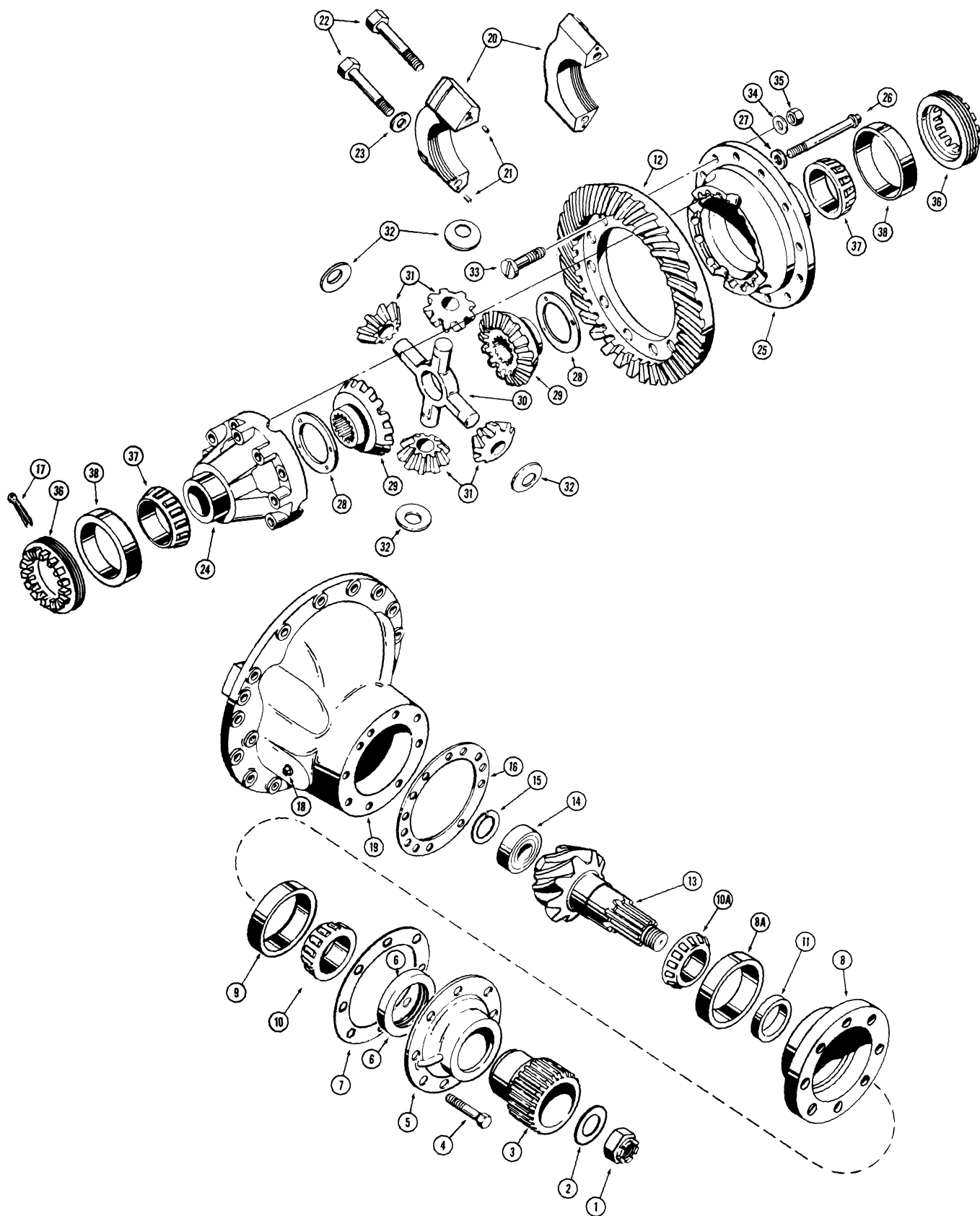
FIND ROCKWELL NUMBER ON AXLE — THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 72035	AXLE ASSEMBLY - complete, rear, PR65-PX-11/17.44-1	1
	L 73626	DIFFERENTIAL ASSEMBLY - axle	1
1	*L 35091	NUT - slotted, special, sleeve to shaft	1
2	A 13124	WASHER - sleeve retaining	1
3	L 35585	SLEEVE - splined	1
4	13- 720	HHCS - 7/16" - 14 NC x 1-1/4"	8
	L 35927	COVER ASSEMBLY - includes seal	1
5	NSS	COVER - pinion shaft	1
6	L 35584	SEAL - oil, pinion shaft	1
7	L 33674	GASKET - pinion cover to cage	1
	D 73692	CAGE ASSEMBLY - pinion shaft bearing	1
8	NSS	CAGE - pinion bearing	1
8A	L 33668	CUP - bearing, inner, 3-7/8" (98.4 mm) O.D., if used	1
8A	R 10277	CUP - bearing, inner, 3-1/2" (88.9 mm) O.D., if used	1
9	A 13161	CUP - bearing, outer	1
10	A 13160	CONE - bearing, outer	1
10A	L 30397	CONE - bearing, inner, used with L33668 cup only	1
10A	R 10276	CONE - bearing, inner used with R10277 cup only	1
11	**D 74357	SPACER - bearing, .153" (3.886 mm) thick	UAR
11	**D 74358	SPACER - bearing, .154" (3.911 mm) thick	UAR
11	**D 74359	SPACER - bearing, .155" (3.937 mm) thick	UAR
11	**D 74360	SPACER - bearing, .156" (3.962 mm) thick	UAR
11	**D 74361	SPACER - bearing, .157" (3.987 mm) thick	UAR
11	**D 74362	SPACER - bearing, .158" (4.013 mm) thick	UAR
11	**D 74363	SPACER - bearing, .164" (4.165 mm) thick	UAR
11	**D 74364	SPACER - bearing, .170" (4.318 mm) thick	UAR
11	**A 18358	SPACER - bearing, .172" (4.368 mm) thick	UAR
11	**A 18359	SPACER - bearing, .173" (4.394 mm) thick	UAR
11	**A 18390	SPACER - bearing, .174" (4.419 mm) thick	UAR
11	**A 18361	SPACER - bearing, .175" (4.445 mm) thick	UAR
11	**D 74365	SPACER - bearing, .176" (4.470 mm) thick	UAR
11	**A 18363	SPACER - bearing, .177" (4.495 mm) thick	UAR
11	**D 74366	SPACER - bearing, .182" (4.662 mm) thick	UAR
11	**A 18364	SPACER - bearing, .188" (4.775 mm) thick	UAR
11	**A 18365	SPACER - bearing, .189" (4.800 mm) thick	UAR
11	**A 18366	SPACER - bearing, .195" (4.953 mm) thick	UAR
11	**A 18367	SPACER - bearing, .201" (5.105 mm) thick	UAR

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*A 18200 KIT - gear, includes items 1, 12, 13, 15, 33, 34 and 35.

**NOTE: Use two spacers (item 11) together to replace the single original equipment spacer.

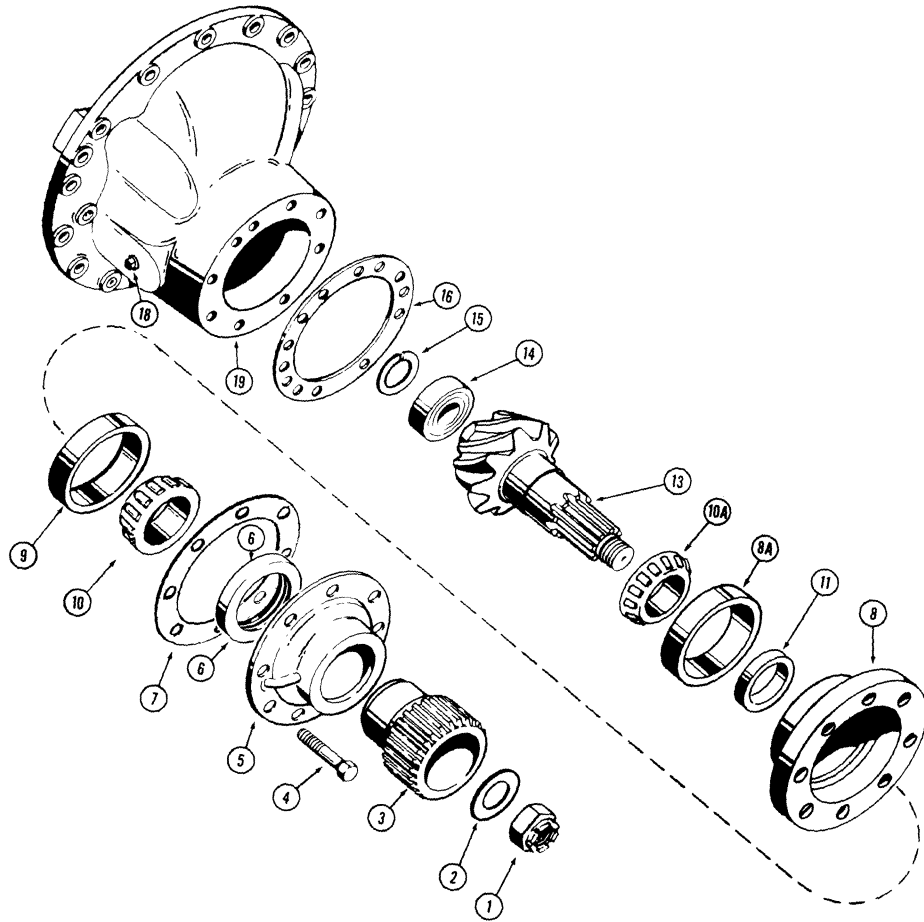
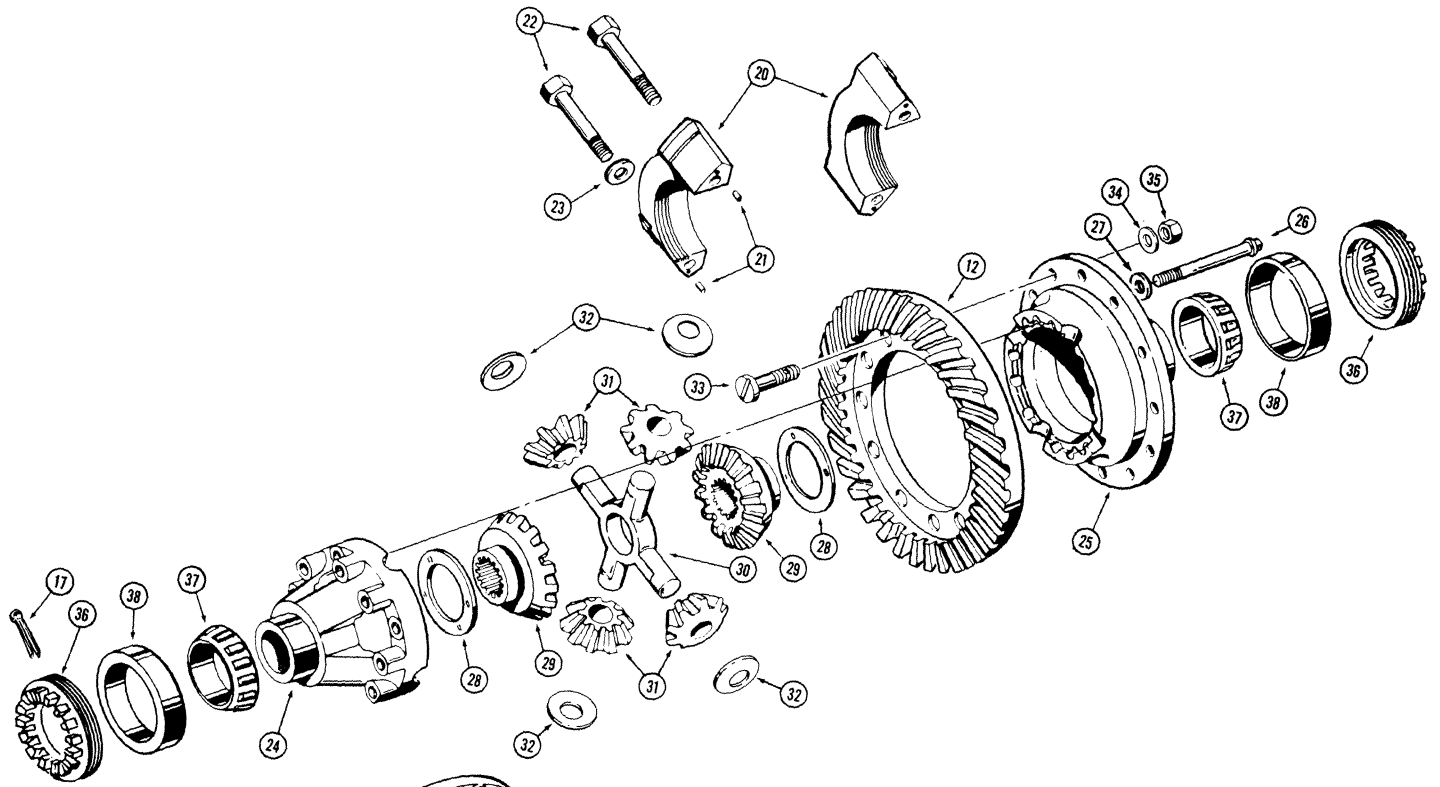


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 195

**L72035 REAR AXLE
DIFFERENTIAL**

FIND ROCKWELL NUMBER ON AXLE — THEN USE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
L	72035	AXLE ASSEMBLY - complete, rear, PR65-PX-11/17.44-1	1
D	73626	DIFFERENTIAL ASSEMBLY - axle (continued)	1
*	REF.	GEAR SET - ring and pinion, order A18200 kit, see note below	1
12	* NSS	GEAR - ring	1
13	* NSS	GEAR - pinion	1
14	A 18182	BEARING - inner, drive pinion	1
15	*A 18199	RING - bearing retaining	1
16	L 36104	SHIM - bearing cage, .003" (0.076 mm) thick	UAR
16	L 36105	SHIM - bearing cage, .005" (0.127 mm) thick	UAR
16	L 36106	SHIM - bearing cage, .010" (2.254 mm) thick	UAR
17	A 18196	PIN - lock, cotter	2
	L 35924	CARRIER AND CAP ASSEMBLY - differential	1
18	221- 835	PLUG - square head, 3/4" NPT	1
	L 35925	CARRIER AND CAP - differential	1
19	NSS	CARRIER - differential	1
20	NSS	CAP - differential bearing	2
21	A 15443	DOWEL - cap	4
22	26- 1056	HHCS - 5/8" - 11 - NC x 3-1/2", grade 8	4
23	L 30737	WASHER - special	4
	D 66306	CASE AND GEAR ASSEMBLY - differential	1
	D 66305	CASE ASSEMBLY - differential	1
24	NSS	CASE - plain half	1
25	NSS	CASE - flange half	1
26	26- 848	BOLT - special	8
27	D 47366	WASHER - special hardened	8
28	F 9740	WASHER - thrust, side gear	2
29	D 66304	GEAR - differential, side	2
30	A 18181	SPIDER - differential	1
31	A 18175	GEAR - differential, pinion	4
32	A 18176	WASHER - thrust	4
33	*L 35919	BOLT - special, ring gear to differential	12
34	*D 47366	WASHER - special	12
35	*131- 1138	NUT - hex., self lock, 1/2" - 13 NC	12
36	A 18194	RING - bearing adjusting	2
37	A 18173	CONE - bearing	2
38	L 35931	CUP - bearing	2
*A	18200	KIT - gear, includes items 1, 12, 13, 15, 33, 34 and 35.	



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 197

**L74029 AND L76807 REAR AXLE
DIFFERENTIAL**

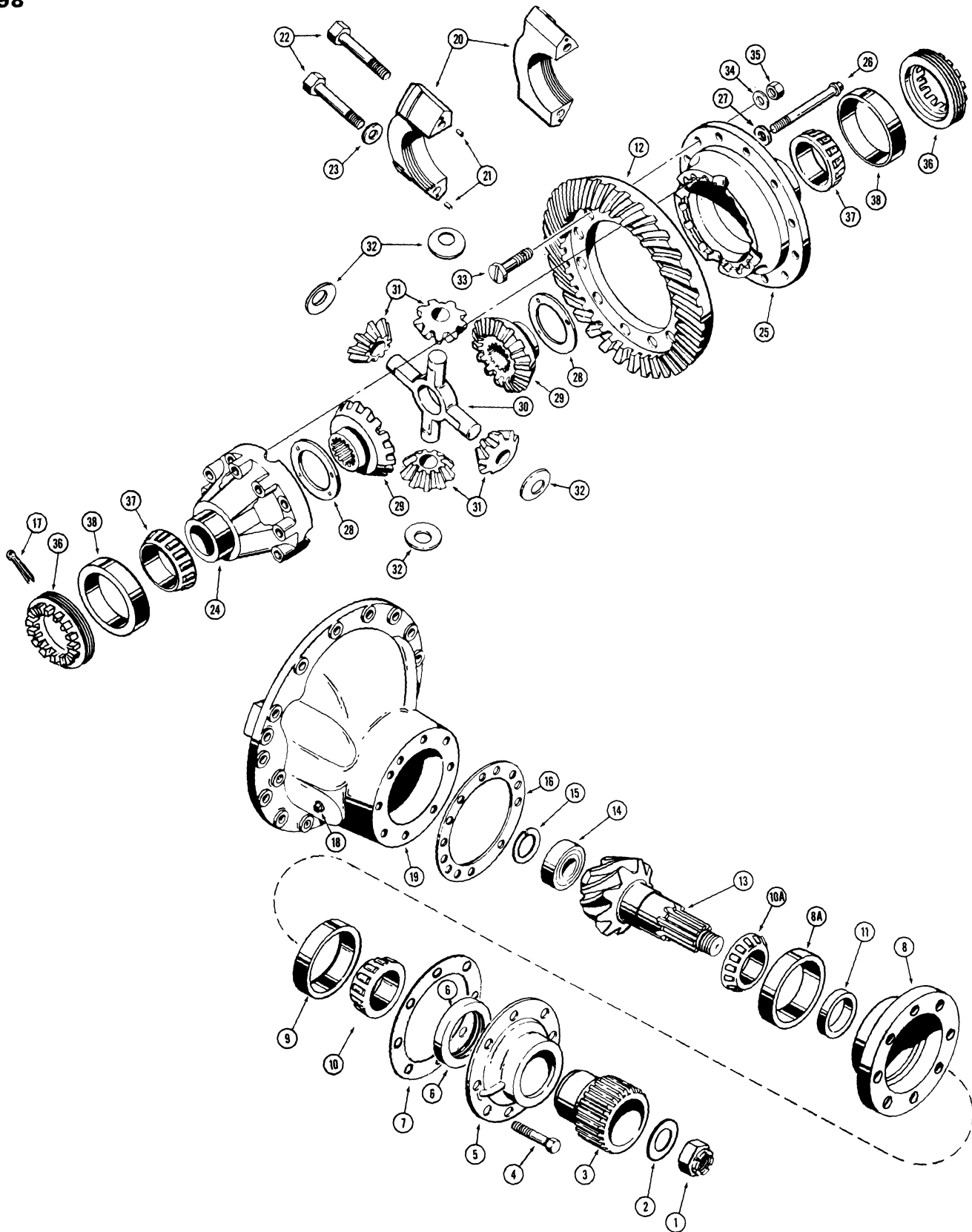
FIND ROCKWELL NUMBER ON AXLE — THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 74029	AXLE ASSEMBLY - complete, rear, PR65-PX-13/17.44-1	1
	L 76807	AXLE ASSEMBLY - complete, rear, PRS-204-P2/17.44-1	1
	D 73639	DIFFERENTIAL ASSEMBLY - axle	1
1	*L 35091	NUT - slotted, special, sleeve to shaft	1
2	A 13124	WASHER - sleeve retaining	1
3	L 35585	SLEEVE - splined	1
4	13- 720	HHCS - 7/16" - 14 NC x 1-1/4"	8
	L 35927	COVER ASSEMBLY - includes seal	1
5	NSS	COVER - pinion shaft	1
6	L 35584	SEAL - oil, pinion shaft	1
7	L 33674	GASKET - pinion cover to cage	1
	D 73641	CAGE ASSEMBLY - pinion shaft bearing	1
8	NSS	CAGE - pinion bearing	1
8A	R 10277	CUP - bearing, tapered roller type, inner	1
9	A 13161	CUP - bearing, tapered roller type, outer	1
10	A 13160	CONE - bearing, tapered roller type, outer	1
10A	R 10276	CONE - bearing, tapered roller type, inner	1
11	**D 74357	SPACER - bearing, .153" (3.886 mm) thick	UAR
11	**D 74358	SPACER - bearing, .154" (3.911 mm) thick	UAR
11	**D 74359	SPACER - bearing, .155" (3.937 mm) thick	UAR
11	**D 74360	SPACER - bearing, .156" (3.962 mm) thick	UAR
11	**D 74361	SPACER - bearing, .157" (3.987 mm) thick	UAR
11	**D 74362	SPACER - bearing, .158" (4.013 mm) thick	UAR
11	**D 74363	SPACER - bearing, .164" (4.165 mm) thick	UAR
11	**D 74364	SPACER - bearing, .170" (4.318 mm) thick	UAR
11	**D 74365	SPACER - bearing, .176" (4.470 mm) thick	UAR
11	**D 74366	SPACER - bearing, .182" (4.622 mm) thick	UAR
	* REF.	GEAR SET - ring and pinion, order A18200 kit, see note below	1
12	* NSS	GEAR - ring	1
13	* NSS	GEAR - pinion	1
14	A 18182	BEARING - inner, drive pinion	1
15	*A 18199	RING - bearing retaining	1
16	L 36104	SHIM - bearing cage, .003" (0.076 mm) thick	UAR
16	L 36105	SHIM - bearing cage, .005" (0.127 mm) thick	UAR
16	L 36106	SHIM - bearing cage, .010" (0.254 mm) thick	UAR
17	A 18196	PIN - lock, cotter	2
	L 35924	CARRIER AND CAP ASSEMBLY - differential	1
18	221- 835	PLUG - square head, 3/4" NPT	1
	L 35925	CARRIER AND CAP ASSEMBLY - differential	1
19	NSS	CARRIER - differential	1
20	NSS	CAP - differential bearing	2
21	A 15443	DOWEL - cap	4
22	26- 1052	HHCS - 5/8" - 11 NC x 3-1/4", grade 8	4
23	L 30737	WASHER - special	4

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*A 18200 KIT - gear, includes items 1, 12, 13, 15, 33, 34 and 35

**NOTE: Use two spacers (item 11) together to replace the single original equipment spacer.

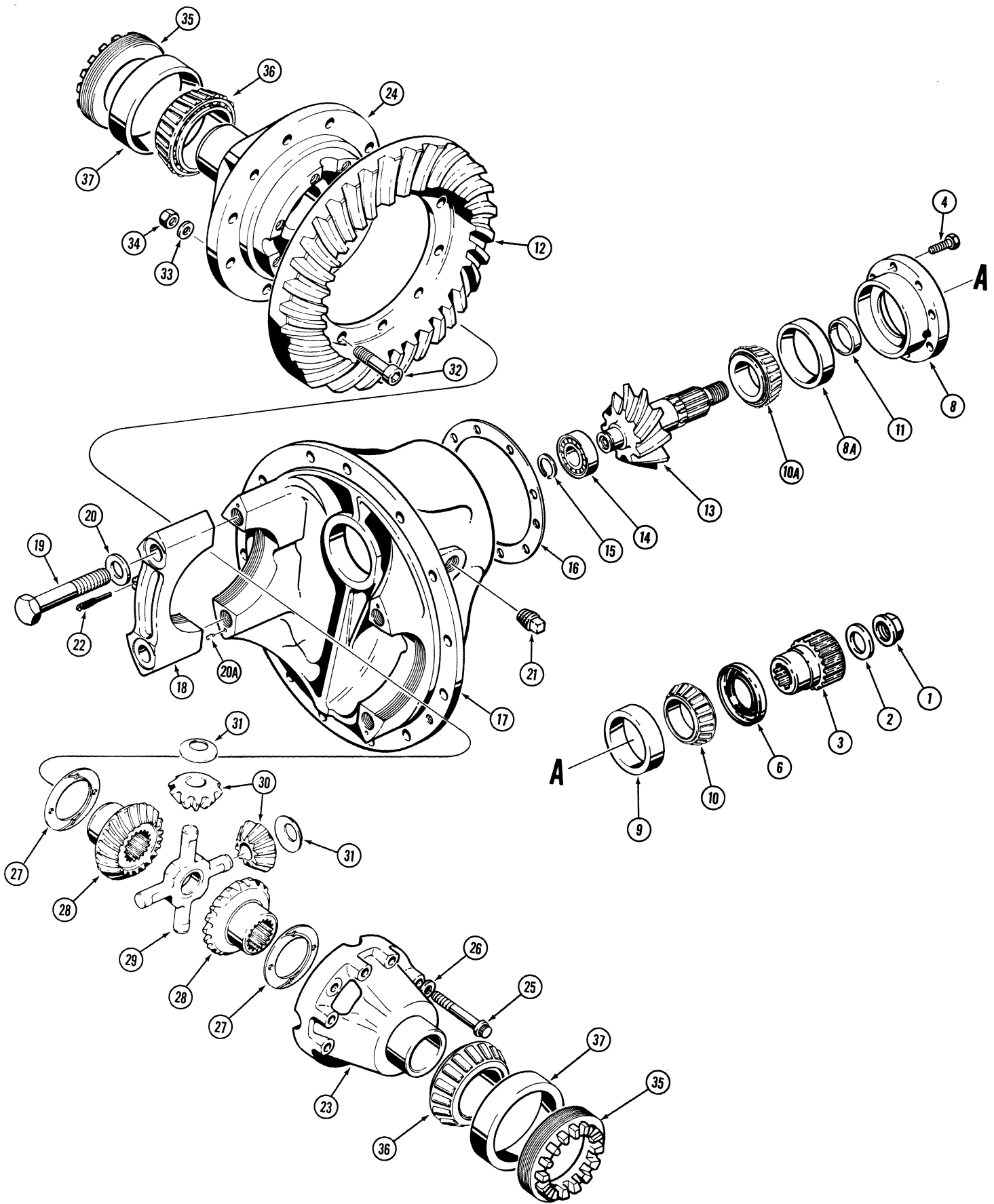


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 199

**L74029 AND L76807 REAR AXLE
DIFFERENTIAL**

FIND ROCKWELL NUMBER ON AXLE — THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 74029	AXLE ASSEMBLY - complete, rear, PR65-PX-13/17.44-1	1
	L 76807	AXLE ASSEMBLY - complete, rear, PRS-204-P2/17.44-1	1
	D 73639	DIFFERENTIAL ASSEMBLY - axle (continued)	1
	D 66306	CASE AND GEAR ASSEMBLY - differential	1
	D 66305	CASE ASSEMBLY - differential	1
24	NSS	CASE - plain half	1
25	NSS	CASE - flange half	1
26	26- 848	BOLT - special	8
27	D 47366	WASHER - special hardened	8
28	F 9740	WASHER - thrust, side gear	2
29	D 66304	GEAR - differential, side	2
30	A 18181	SPIDER - differential	1
31	A 18175	GEAR - differential, pinion	4
32	A 18176	WASHER - thrust	4
33	*L 35919	BOLT - special, ring gear to differential	12
34	*D 47366	WASHER - special	12
35	*131- 1138	NUT - hex. self lock	12
36	A 18194	RING - bearing adjusting	2
37	A 18173	CONE - bearing, differential	2
38	L 35931	CUP - bearing, differential	2
	*A 18200	KIT - gear, includes items 1, 12, 13, 15, 33, 34 and 35	1



**L78317 AND L100707 REAR AXLE
DIFFERENTIAL**

FIND ROCKWELL NUMBER ON AXLE - THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D
	L 78317	AXLE ASSEMBLY - complete, rear, PRS-204-P3/17.44-1	1
	L 100707	AXLE ASSEMBLY - complete, rear, PRS-204- P4/17.44-1	1
	D 78347	DIFFERENTIAL ASSEMBLY - L78317 axle	1
	D 83067	DIFFERENTIAL ASSEMBLY - L100707 axle	1
1	*L 35091	NUT - hex, slotted, sleeve to pinion shaft	1
2	A 13124	WASHER - sleeve retaining	1
3	L 35585	SLEEVE - splined	1
4	13- 720	HHCS - 7/16" - 14 NC x 1-1/4"	8
5		RESERVED	
6	D 73689	SEAL - oil, pinion shaft	1
7		RESERVED	
	D 73688	CAGE ASSEMBLY - pinion shaft bearing	1
8	NSS	CAGE - pinion bearing	1
8A	R 10277	CUP - bearing, tapered roller type, inner	1
9	A 13161	CUP - bearing, tapered roller type, outer	1
10	A 13160	CONE - bearing, tapered roller type, outer	1
10A	R 10276	CONE - bearing, tapered roller type, inner	1
11	**D 74357	SPACER - bearing, .153" (3.886 mm) thick	UAR
11	**D 74358	SPACER - bearing, .154" (3.911 mm) thick	UAR
11	**D 74359	SPACER - bearing, .155" (3.937 mm) thick	UAR
11	**D 74360	SPACER - bearing, .156" (3.962 mm) thick	UAR
11	**D 74361	SPACER - bearing, .157" (3.987 mm) thick	UAR
11	**D 74362	SPACER - bearing, .158" (4.013 mm) thick	UAR
11	**D 74363	SPACER - bearing, .164" (4.165 mm) thick	UAR
11	**D 74364	SPACER - bearing, .170" (4.318 mm) thick	UAR
11	**D 74365	SPACER - bearing, .176" (4.470 mm) thick	UAR
11	**D 74366	SPACER - bearing, .182" (4.622 mm) thick	UAR
	* REF.	GEAR SET - ring and pinion, order A 18200 kit, see note below	1
12	* NSS	GEAR - ring	1
13	* NSS	GEAR - pinion	1
14	A 18182	BEARING - inner, drive pinion, L 78317 axle, order D83068	1
14	D 83068	BEARING - inner, drive pinion, L 100707 axle	1
15	*A 18199	RING - bearing retaining	1
16	L 36104	SHIM - bearing cage, .003" (0.076 mm) thick	UAR
16	L 36105	SHIM - bearing cage, .005" (0.127 mm) thick	UAR
16	L 36106	SHIM - bearing cage, .010" (0.254 mm) thick	UAR
	*A 18200	KIT - gear, includes items 1, 12, 13, 15, 33, 34 and 35	1

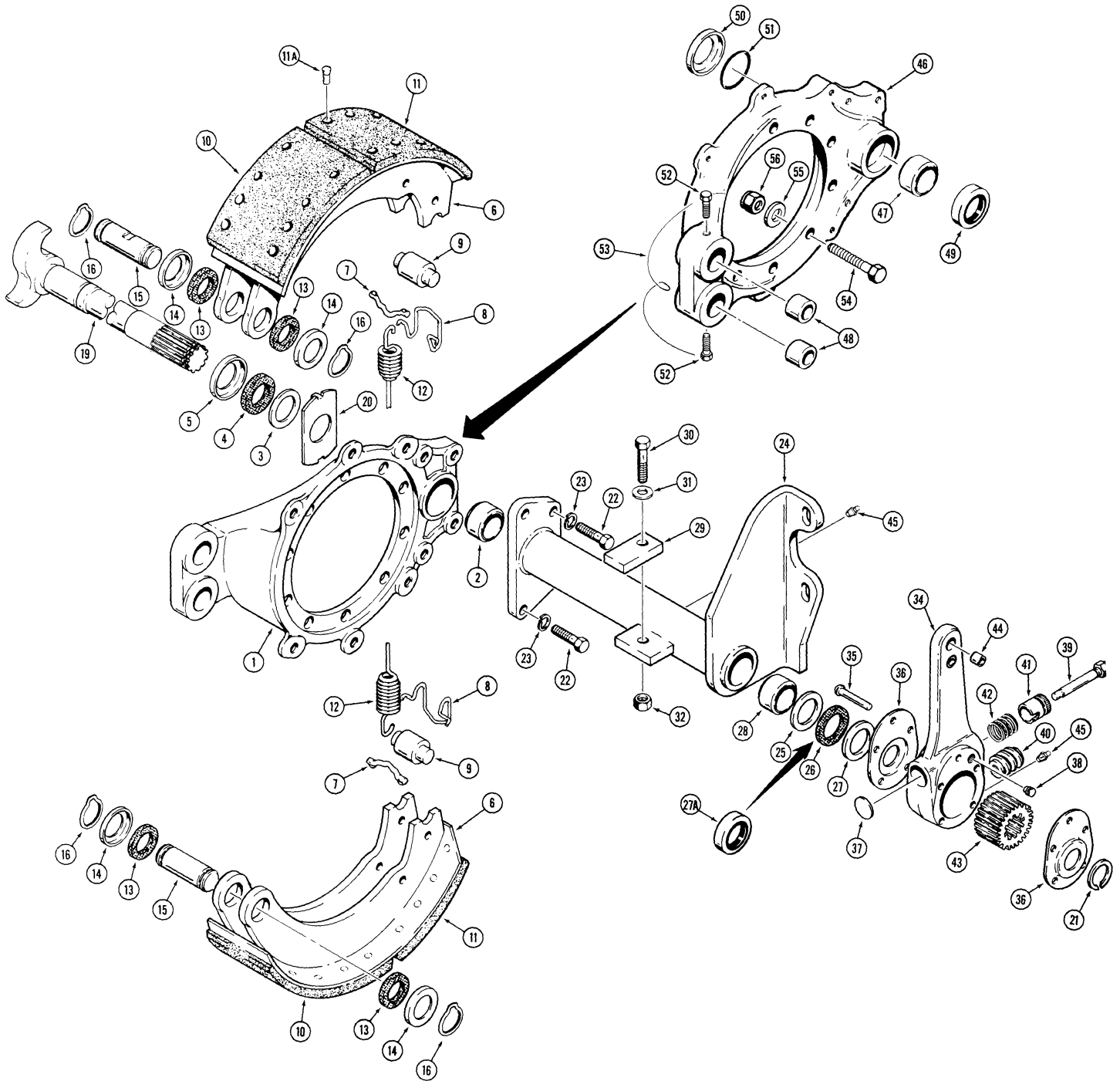
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****NOTE:** Use two spacers (item 11) together to replace the single original equipment spacer.

**L78317 AND L100707 REAR AXLE
DIFFERENTIAL**

FIND ROCKWELL NUMBER ON AXLE - THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D
	L 78317	AXLE ASSEMBLY - complete, rear, PRS-204- P3/17.44-1	1
	L 100707	AXLE ASSEMBLY - complete, rear, PRS-204- P4/17.44-1	1
	REF.	DIFFERENTIAL ASSEMBLY - axle, complete (continued)	1
	D 73630	CARRIER AND CAP ASSEMBLY - differential	1
17	NSS	CARRIER - differential	1
18	NSS	CAP - differential bearing	2
19	26- 1056	HHCS - 5/8" - 11 NC x 3-1/ 4", grade 8	4
20	L 30737	WASHER - special	4
20A	A 15443	DOWEL - cap	4
21	221- 25	PLUG - pipe, fill	1
22	A 18196	PIN - lock, cotter	2
	D 66306	CASE AND GEAR ASSEMBLY - differential	1
	D 66305	CASE ASSEMBLY - differential	1
23	NSS	CASE - plain half	1
24	NSS	CASE - flange half	1
25	26- 848	BOLT - special	8
26	D 47366	WASHER - special hardened	8
27	F 9740	WASHER - thrust, side gear	2
28	D 66304	GEAR - differential, side	2
29	A 18181	SPIDER - differential	1
30	A 18175	GEAR - differential, pinion	4
31	A 18176	WASHER - thrust	4
32	*L 35919	BOLT - special, ring gear to differential	12
33	*D 47366	WASHER - special	12
34	*131- 1138	NUT - hex, self lock	12
35	A 18194	RING - bearing adjusting	2
36	A 18173	CONE - bearing, differential	2
37	L 35931	CUP - bearing, differential	2
	*A 18200	KIT - gear, includes items 1, 12, 13, 15, 33, 34 and 35	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 205

L57350 REAR AXLE

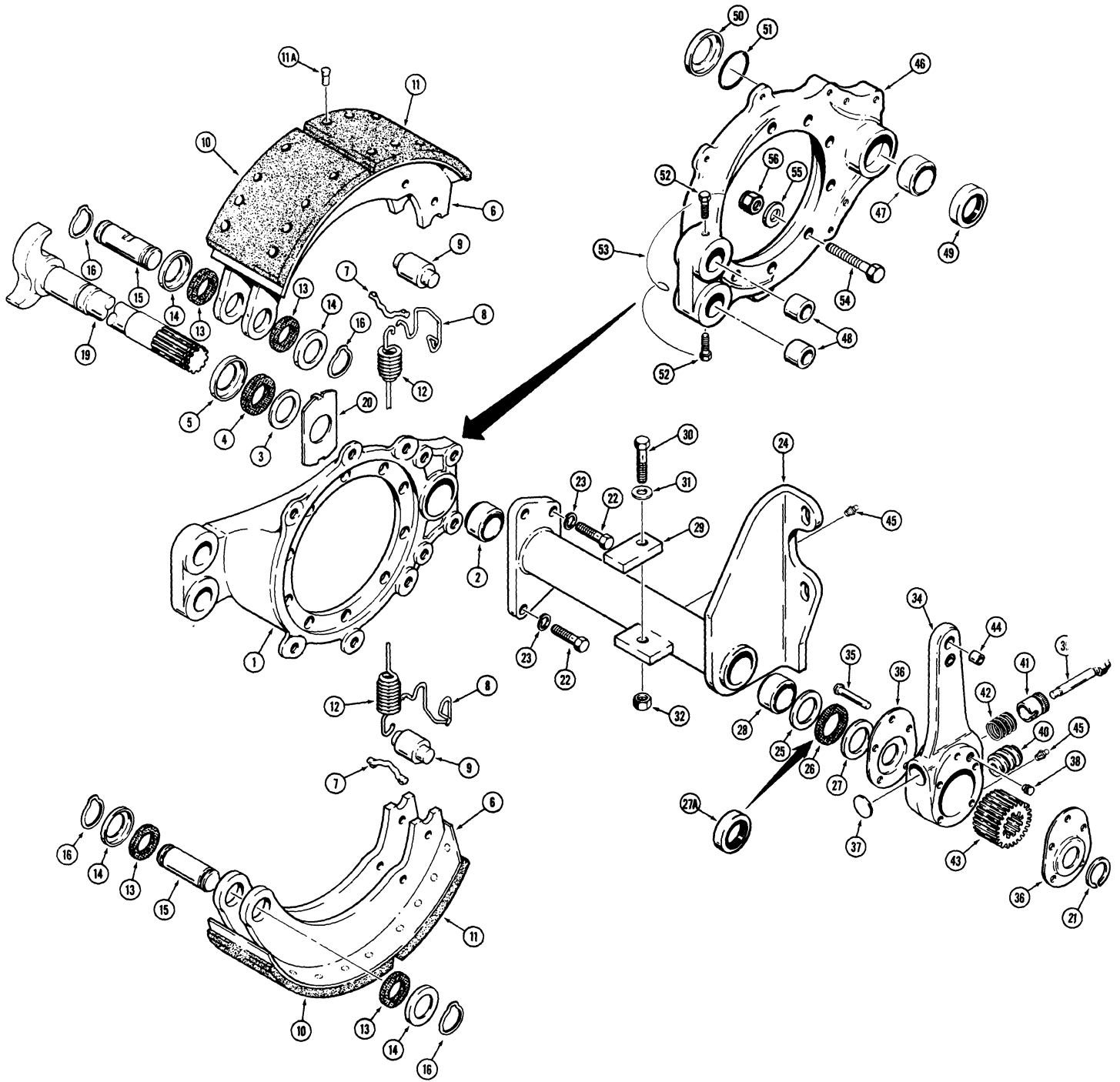
REAR BRAKES AND ADJUSTERS

FIND ROCKWELL NUMBER ON AXLE — THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 57350	AXLE ASSEMBLY - complete, rear, PR65-PX-6/17.44-1	1
	L 35561	SPIDER ASSEMBLY - brake mounting, order L76714 kit or its components for service, see items 46 thru 56	2
1	NSS	SPIDER - brake	1
2	L 35560	BUSHING - cam	1
3	L 35559	RETAINER - seal	1
4	L 31689	SEAL - felt	1
5	L 31690	RETAINER - seal	1
	L 35563	SHOE AND LINING ASSEMBLY - brake	4
6	NSS	SHOE - brake	1
7	L 35588	PIN - return spring, brake shoe	1
8	L 35589	RETAINER - roller	1
9	L 35590	ROLLER - shoe, cam follower	1
10	*NSS	LINING - shoe, anchor end	1
11	*NSS	LINING - shoe, cam end	1
11A	*L 35591	RIVET - brake lining	16
12	L 35564	SPRING - return, brake shoe	4
13	L 35566	FELT - anchor pin	8
14	L 35567	RETAINER - felt	8
15	L 35565	PIN - anchor, brake shoe	4
16	L 35960	RETAINER - spring type	8
17		RESERVED	
18	L 35961	CAM AND SHAFT - L.H. brake adjustment, not shown	1
19	L 35962	CAM AND SHAFT - R.H. brake adjustment	1
20	L 35706	WASHER - flat, cam head	2
21	R 13338	RING - lock, cam groove	2
22	26- 824	HHCS - 1/2" - 13 NC x 1-1/2", grade 8	8
23	92- 8	WASHER - lock, 1/2"	8
	L 35958	BRACKET ASSEMBLY - mounting, L.H. brake chamber, not shown	1
	L 35959	BRACKET ASSEMBLY - mounting, R.H. brake chamber	1
24	NSS	BRACKET - mounting, brake chamber, R.H. or L.H.	1
25	L 35559	RETAINER - seal, order D71280 seal for service	1
26	L 31689	SEAL - felt, order D71280 seal for service	1
27	L 31690	RETAINER - seal, order D71280 seal for service	1
27A	D 71280	SEAL - oil, replaces L35559 retainer, L31689 seal and L31690 retainer	1
28	L 35560	BUSHING - cam and shaft	1
29	L 35577	LUG - mounting, chamber bracket, welded to axle housing	2
30	26- 928	HHCS - 9/16" - 12 NC x 1-3/4", grade 8	2
31	L 35578	WASHER - special	2
32	25- 109	NUT - hex., 9/16" - 12 NC	2
33	L 35705	PIN - anchor, not shown	4

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*D	66415	KIT - brake linings and rivets, for two wheels	1
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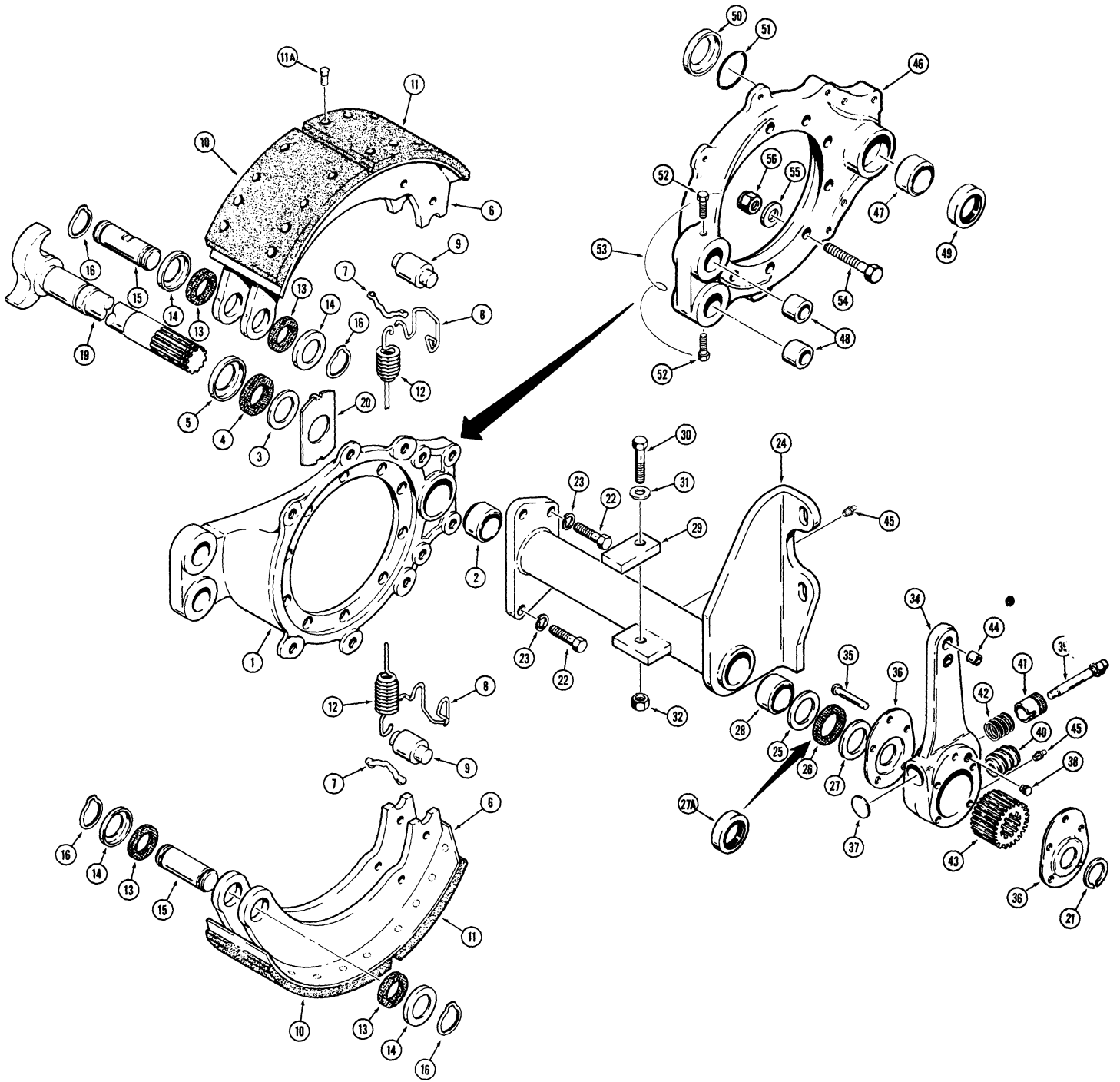
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 207

L57350 REAR AXLE

REAR BRAKES AND ADJUSTERS

FIND ROCKWELL NUMBER ON AXLE — THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 57350	AXLE ASSEMBLY - complete, rear, PR65-PX-6/17.44-1	1
	L 35572	ADJUSTER - slack, brake shoe	2
34	NSS	BODY - adjuster	1
35	L 35598	RIVET - adjuster body	5
36	L 35600	COVER - adjuster gear	2
37	41- 10	PLUG - welch, body	1
38	L 35597	PIN - lock	1
39	L 35594	SHAFT - drive, worm gear	1
40	L 35595	GEAR - drive, worm	1
41	L 35593	LOCK - worm gear shaft	1
42	L 35592	SPRING - lock, worm	1
43	L 35601	GEAR - worm, splined, driven	1
44	L 35602	BUSHING - adjuster body	2
45	219- 1	FITTING - grease, straight, 1/8" NPT	4
	L 76714	KIT - repair, brake spider	1
	L 77556	SPIDER ASSEMBLY - brake mounting	2
46	NSS	SPIDER - brake	1
47	L 35560	BUSHING - cam	1
48	D 77629	BUSHING - brake pin	2
49	D 71280	SEAL - oil	1
50	D 77627	RETAINER - oil seal	1
51	D 77626	O-RING	1
52	A 15983	SCREW - lock, anchor pin	4
53	391- 751	WIRE - lock, anchor pin lock screw	2
54	D 77557	BOLT - 9/16" - 18 NC x 2", grade 9	20
55	L 35233	WASHER - flat, 9/16", special	20
56	D 77558	NUT - hex. lock, 9/16" - 18 NC, grade 9	20



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 209

L70686 REAR AXLE

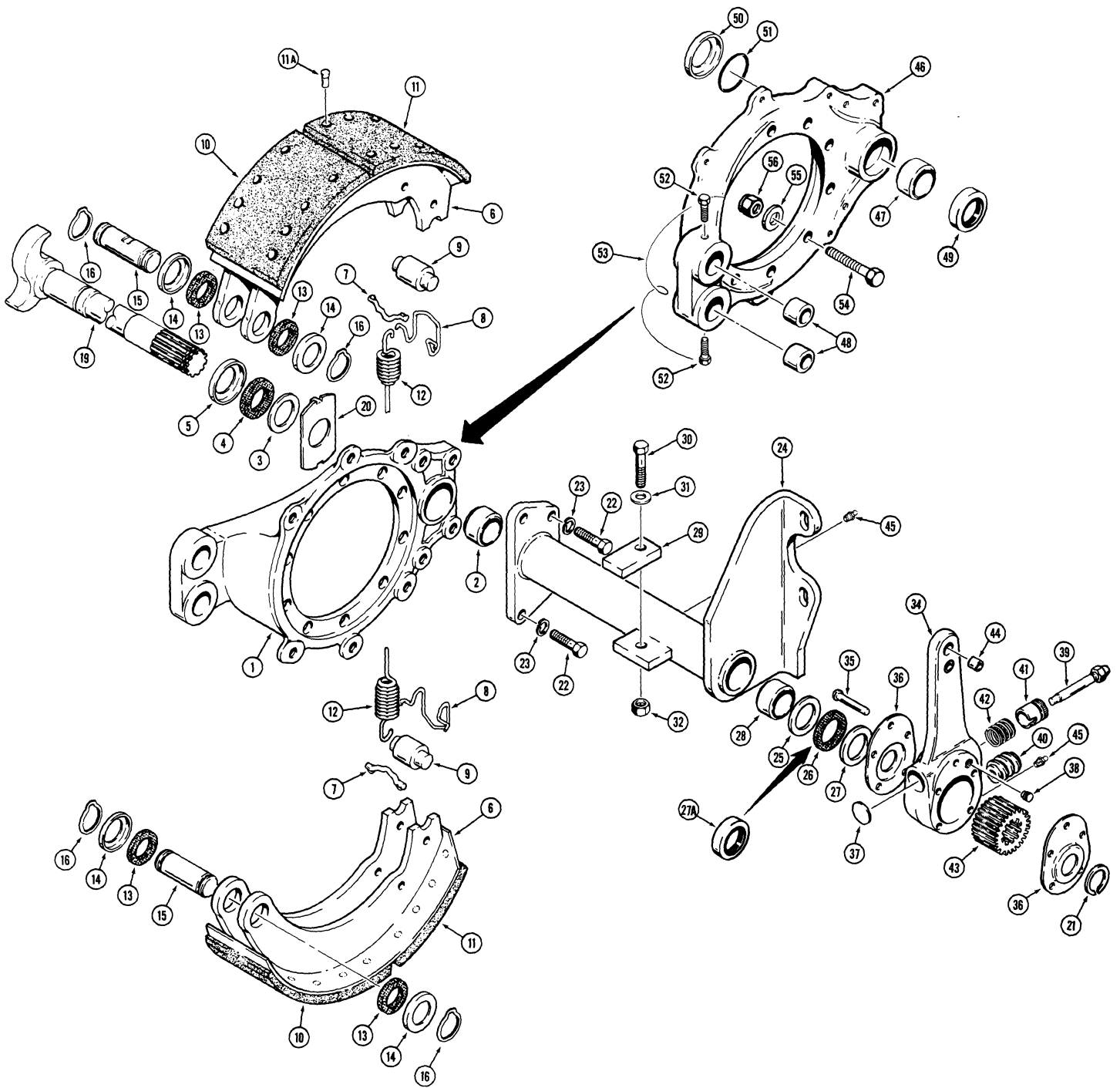
REAR BRAKES AND ADJUSTERS

FIND ROCKWELL NUMBER ON AXLE — THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 70686	AXLE ASSEMBLY - complete, rear, PR65-PX-8/17.44-1	1
	L 35561	SPIDER ASSEMBLY - brake mounting, order L76714 kit or its components, see items 46 thru 56	2
1	NSS	SPIDER - brake	1
2	L 35560	BUSHING - cam	1
3	L 35559	RETAINER - seal	1
4	L 31689	SEAL - felt	1
5	L 31690	RETAINER - seal	1
	D 66311	SHOE AND LINING ASSEMBLY - brake	4
6	NSS	SHOE - brake	1
7	D 66416	PIN - return spring, brake shoe	1
8	L 35589	RETAINER - roller	1
9	L 35590	ROLLER - shoe, cam follower	1
10	*NSS	LINING - shoe, anchor end	1
11	*NSS	LINING - shoe, cam end	1
11A*	L 35591	RIVET - brake lining	16
12	L 35564	SPRING - return, brake shoe	4
13	L 35566	FELT - anchor pin	8
14	L 35567	RETAINER - felt	8
15	L 35565	PIN - anchor, brake shoe	4
16	L 35960	RETAINER - spring type	8
17		RESERVED	
18	L 35961	CAM AND SHAFT - L.H. brake adjustment, not shown	1
19	L 35962	CAM AND SHAFT - R.H. brake adjustment	1
20	L 35706	WASHER - flat, cam head	2
21	R 13338	RING - lock, cam groove	2
22	26- 824	HHCS - 1/2" - 13 NC x 1-1/2", grade 8	8
23	92- 8	WASHER - lock, 1/2"	8
	L 35958	BRACKET ASSEMBLY - mounting, L.H. brake chamber, not shown	1
	L 35959	BRACKET ASSEMBLY - mounting, R.H. brake chamber	1
24	NSS	BRACKET - mounting, brake chamber, R.H. or L.H.	1
25	L 35559	RETAINER - seal, order D71280 seal for service	1
26	L 31689	SEAL - felt, order D71280 seal for service	1
27	L 31690	RETAINER - seal, order D71280 seal for service	1
27A	D 71280	SEAL - oil, replaces L35559 retainer, L31689 seal and L31690 retainer	1
28	L 35560	BUSHING - cam and shaft	1
29	L 35577	LUG - mounting, chamber bracket, welded to axle housing ...	2
30	26- 928	HHCS - 9/16" - 12 NC x 1-3/4", grade 8	2
31	L 35578	WASHER - special	2
32	25- 109	NUT - hex., 9/16" - 12 NC	2
33	L 35705	PIN - anchor, not shown	4

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*D	66415	KIT - brake linings and rivets, for two wheels	1
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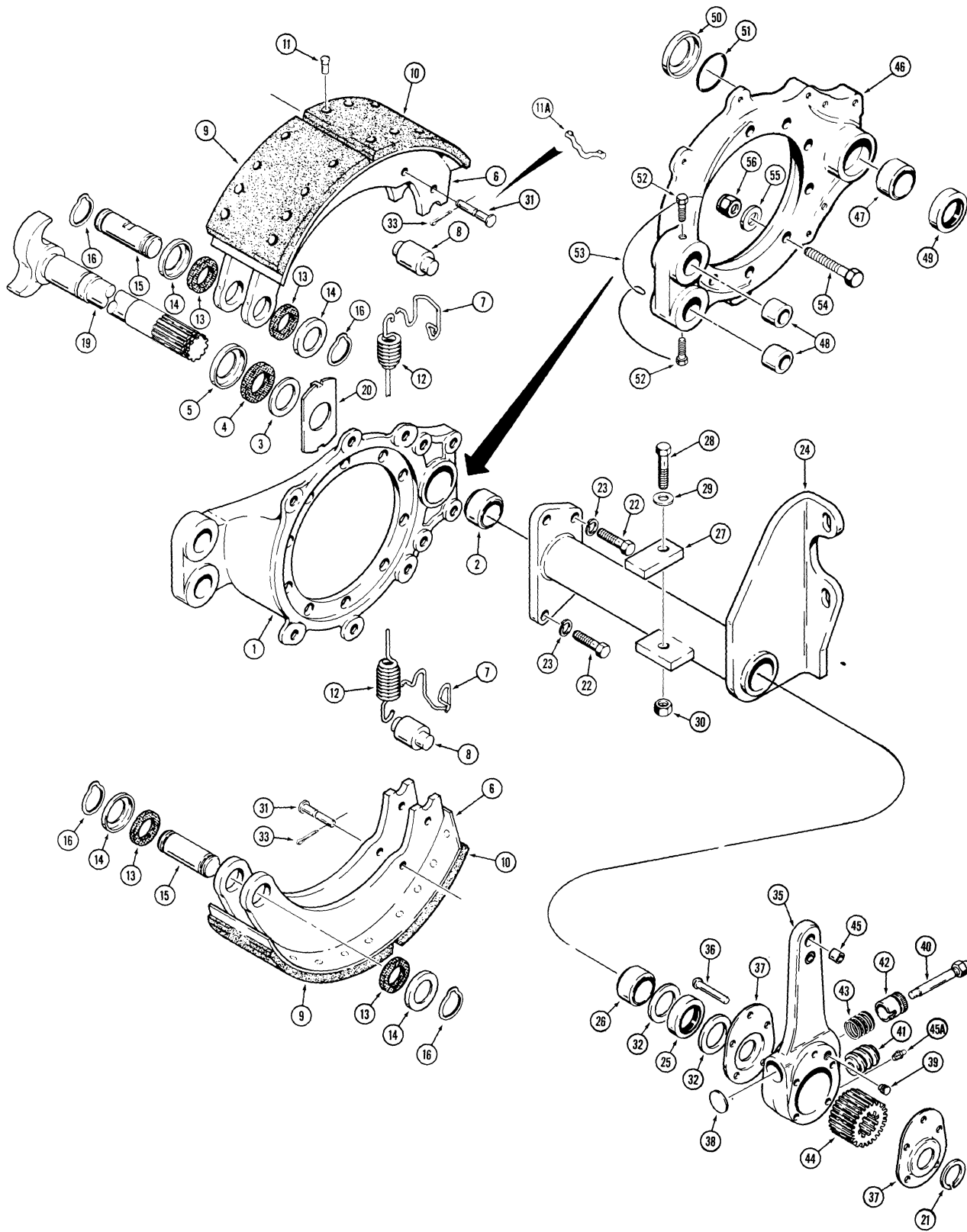
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 211

L70686 REAR AXLE

REAR BRAKES AND ADJUSTERS

FIND ROCKWELL NUMBER ON AXLE — THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 70686	AXLE ASSEMBLY - complete, rear, PR65-PX-8/17.44-1	1
	L 35572	ADJUSTER - slack, brake shoe	2
34	NSS	BODY - adjuster	1
35	L 35598	RIVET - adjuster body	5
36	L 35600	COVER - adjuster gear	2
37	41- 10	PLUG - welch, body	1
38	L 35597	PIN - lock	1
39	L 35594	SHAFT - drive, worm gear	1
40	L 35595	GEAR - drive, worm	1
41	L 35593	LOCK - worm gear shaft	1
42	L 35592	SPRING - lock, worm	1
43	L 35601	GEAR - worm, splined, driven	1
44	L 35602	BUSHING - adjuster body	2
45	219- 1	FITTING - grease, straight, 1/8" NPT	4
	L 76714	KIT - repair, brake spider	1
	L 77556	SPIDER ASSEMBLY - brake mounting	2
46	NSS	SPIDER - brake	1
47	L 35560	BUSHING - cam	1
48	D 77629	BUSHING - brake pin	2
49	D 71280	SEAL - oil	1
50	D 77627	RETAINER - oil seal	1
51	D 77626	O-RING	1
52	A 15983	SCREW - lock, anchor pin	4
53	391- 751	WIRE - lock, anchor pin lock screw	2
54	D 77557	BOLT - 9/16" - 18 NC x 2", grade 9	20
55	L 35233	WASHER - flat, 9/16", special	20
56	D 77558	NUT - hex. lock, 9/16" - 18 NC, grade 9	20



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 213

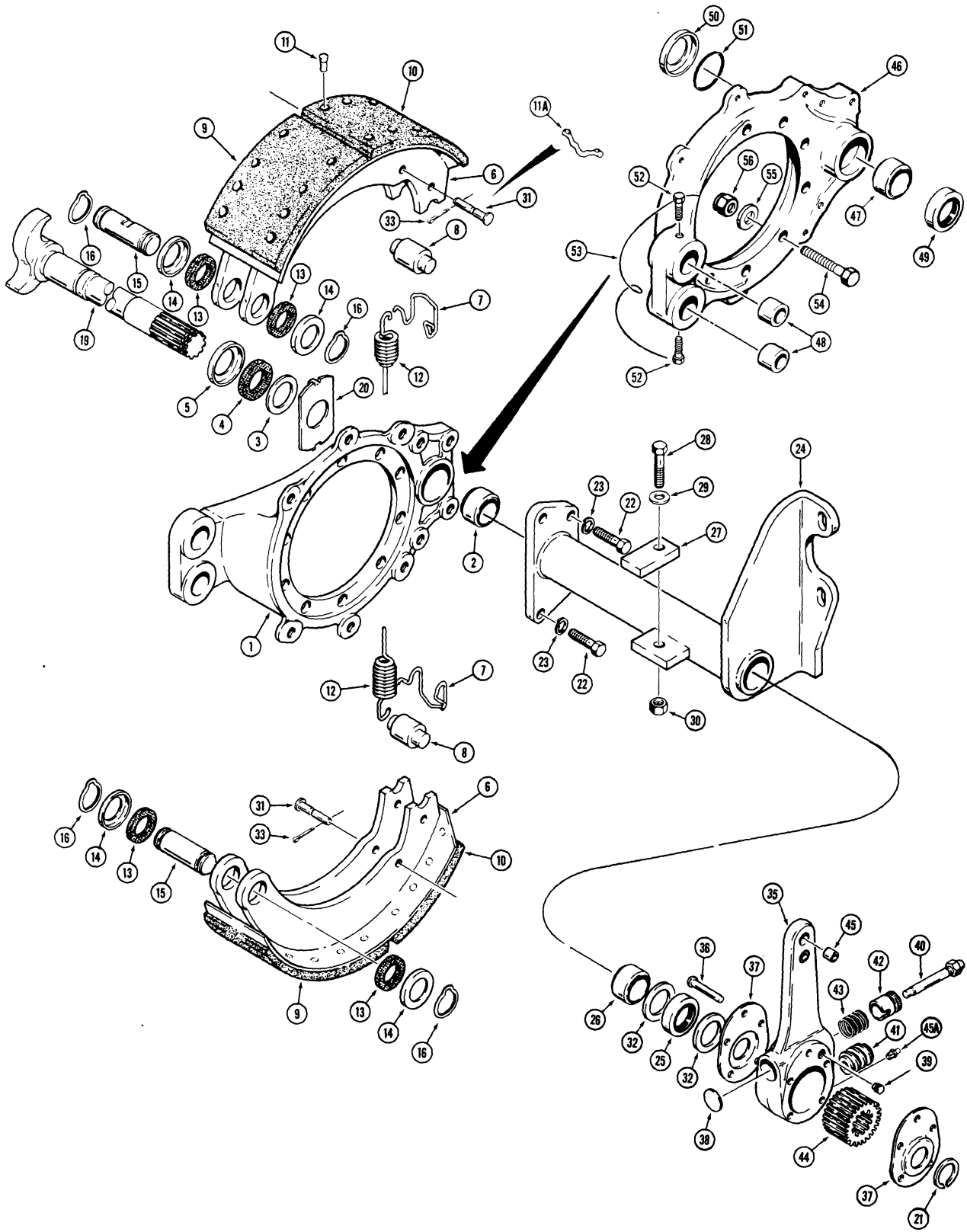
L72035 AND L74029 REAR AXLE REAR BRAKES AND ADJUSTERS

FIND ROCKWELL NUMBER ON AXLE — THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 72035	AXLE ASSEMBLY - complete, rear, PR65-PX-11/17.44-1	1
	L 74029	AXLE ASSEMBLY - complete, rear, PR65-PX-13/17.44-1	1
	L 35561	SPIDER ASSEMBLY - brake mounting, order L76714 kit or its components for service, see items 46 thru 56	2
1	NSS	SPIDER - brake	1
2	L 35560	BUSHING - cam	1
3	L 35559	RETAINER - seal	1
4	L 31689	SEAL - oil	1
5	L 31690	RETAINER - seal	1
	L 35563	SHOE AND LINING ASSEMBLY - brake	4
6	NSS	SHOE - brake	1
7	L 35589	RETAINER - roller	1
8	L 35590	ROLLER - shoe, cam follower	1
9	* NSS	LINING - shoe, anchor end	1
10	* NSS	LINING - shoe, cam end	1
11	*L 35591	RIVET - brake lining	16
12	L 35564	SPRING - return, brake shoe L72035 axle only	4
12A	D 73640	SPRING - return, brake shoe, L74029 axle only, not shown	2
13	L 35566	FELT - anchor pin	8
14	L 35567	RETAINER - felt	8
15	L 35565	PIN - anchor, brake shoe	4
16	L 35960	RETAINER - spring type	8
17		RESERVED	
18	L 35961	CAM AND SHAFT - L.H. brake adjustment, not shown	1
19	L 35962	CAM AND SHAFT - R.H. brake adjustment	1
20	L 35706	WASHER - flat, cam head	2
21	R 13338	RING - lock, cam groove	2
22	26- 824	HHCS - 1/2" - 13 NC x 1-1/2", grade 8	8
23	92- 8	WASHER - lock, 1/2"	8
	L 35958	BRACKET ASSEMBLY - mounting, L.H. brake chamber, not shown	1
	L 35959	BRACKET ASSEMBLY - mounting, R.H. brake chamber	1
24	NSS	BRACKET - mounting, brake chamber, R.H. or L.H.	1
25	D 71280	SEAL - oil	1
26	L 35560	BUSHING - cam and shaft	1
27	L 35577	LUG - mounting, chamber bracket, welded to axle housing	2
28	26- 928	HHCS - 9/16" - 12 NC x 1-3/4", grade 8	2
29	L 35578	WASHER - special	2
30	25- 109	NUT - hex., 9/16" - 12 NC	2
31	L 35705	PIN - anchor	4
32	L 35573	WASHER - flat	4
33	132- 28	PIN - cotter, 3/32" x 1"	4
34	S 89827	GASKET - bracket, not shown	2

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*D	66415	KIT - brake linings and rivets, for two wheels	1
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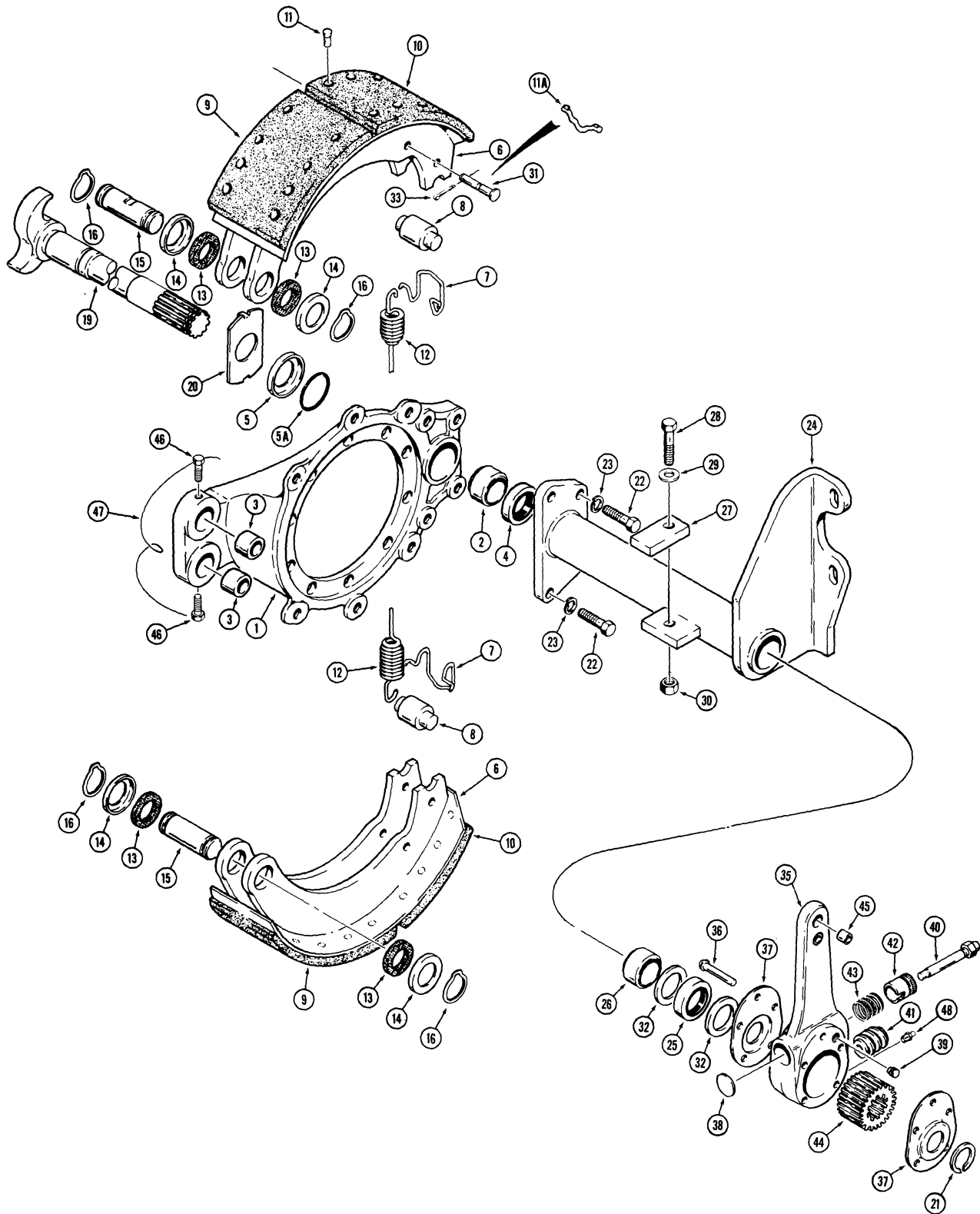


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 215

**L72035 AND L74029 REAR AXLE
REAR BRAKES AND ADJUSTERS**

FIND ROCKWELL NUMBER ON AXLE — THEN USE THE CORRECT PARTS LIST

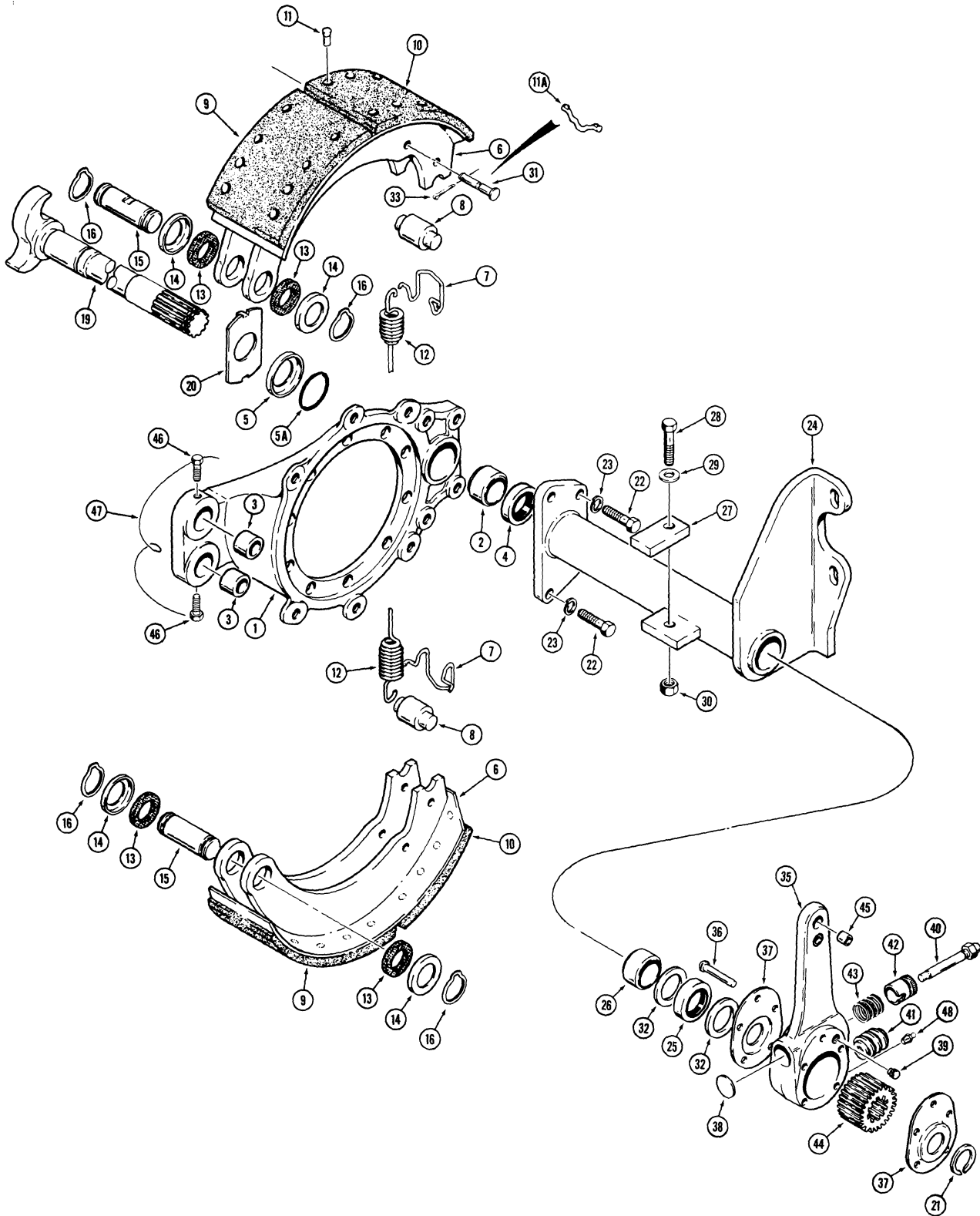
REF.	PART NO.	DESCRIPTION	REQ'D.
	L 72035	AXLE ASSEMBLY - complete, rear, PR65-PX-11/17.44-1	1
	L 74029	AXLE ASSEMBLY - complete, rear, PR65-PX-13/17.44-1	1
	L 35572	ADJUSTER - slack, brake shoe	2
35	NSS	BODY - adjuster	1
36	L 35598	RIVET - adjuster body	10
37	L 35600	COVER - adjuster gear	2
38	41- 10	PLUG - welch, body	1
39	L 35597	PIN - lock	1
40	L 35594	SHAFT - drive, worm gear	1
41	L 35595	GEAR - drive, worm	1
42	L 35593	LOCK - worm gear shaft	1
43	L 35592	SPRING - lock, worm	1
44	L 35601	GEAR - worm, splined, driven	1
45	L 35602	BUSHING - adjuster body	2
45A	219- 1	FITTING - grease, straight, 1/8" NPT	4
	L 76714	KIT - repair, brake spider	1
	L 77556	SPIDER ASSEMBLY - brake mounting	2
46	NSS	SPIDER - brake	1
47	L 35560	BUSHING - cam	1
48	D 77629	BUSHING - brake pin	2
49	D 71280	SEAL - oil	1
50	D 77627	RETAINER - oil seal	1
51	D 77626	O-RING	1
52	A 15983	SCREW - lock, anchor pin	4
53	391- 751	WIRE - lock, anchor pin lock screw	2
54	D 77557	BOLT - 9/16" - 18 NC x 2", grade 9	20
55	L 35233	WASHER - flat, 9/16", special	20
56	D 77558	NUT - hex. lock, 9/16" - 18 NC, grade 9	20



**L76807 AND L100707 REAR AXLE
REAR BRAKES AND ADJUSTERS**

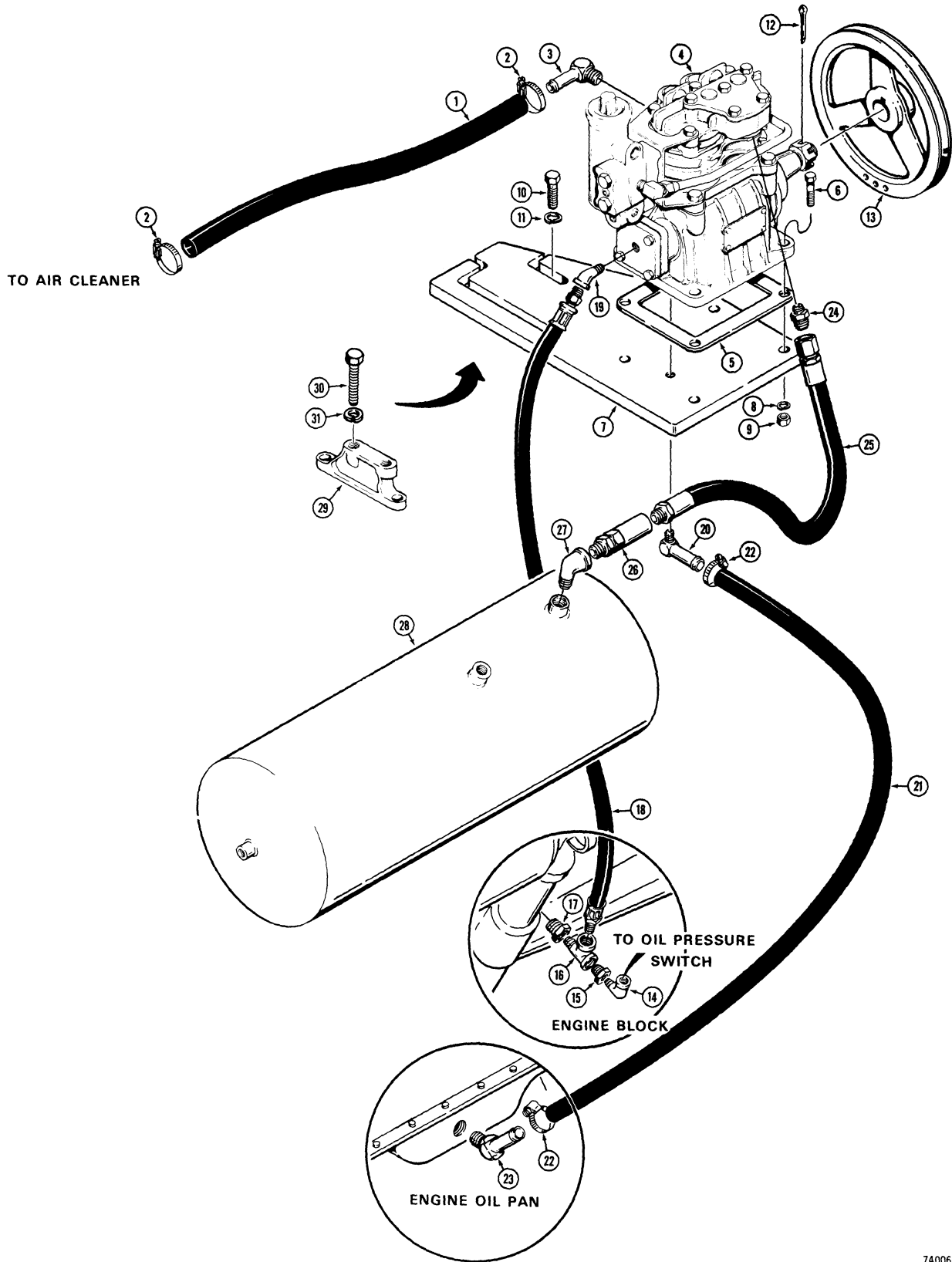
FIND ROCKWELL NUMBER ON AXLE - THEN USE THE CORRECT PARTS LIST

REF.	PART NO.	DESCRIPTION	REQ'D
	L 76807	AXLE ASSEMBLY - complete, rear, PRS-204- P2/17.44-1	1
	L 78317	AXLE ASSEMBLY - complete, rear, PRS-204- P3/17.44-1	1
	L 100707	AXLE ASSEMBLY - complete, rear, PRS-204- P4/17.44-1	1
	L 77117	SPIDER ASSEMBLY - brake mounting	2
1	NSS	SPIDER - brake	1
2	L 35560	BUSHING - cam	1
3	D 77629	BUSHING - brake pin	2
4	D 71280	SEAL - oil	1
5	D 77627	RETAINER - O-ring	1
5A	D 77626	O-RING - shaft seal	1
	L 35563	SHOE AND LINING ASSEMBLY - brake	4
6	NSS	SHOE - brake	1
7	L 35589	RETAINER - roller	1
8	L 35590	ROLLER - shoe	1
9	* NSS	LINING - shoe, anchor end	1
10	* NSS	LINING - shoe, cam end	1
11	*L 35591	RIVET - brake lining	16
11A	L 35588	PIN - anchor, alternate to item 31, if used	1
12	D 73640	SPRING - return, brake shoe	4
13	L 35566	FELT - anchor pin	8
14	L 35567	RETAINER - felt	8
15	D 77625	PIN - anchor, brake shoe	4
16	F 62020	RETAINER - spring type	8
17		RESERVED	
18	L 35961	CAM AND SHAFT - L.H. brake adjustment, not shown	1
19	L 35962	CAM AND SHAFT - R.H. brake adjustment	1
20	L 35706	WASHER - flat, cam head	2
21	R 13338	RING - lock, cam groove	2
22	26- 824	HHCS - 1/2" - 13 NC x 1-1/2", grade 8	8
23	92- 8	WASHER lock, 1/2"	8
	L 35958	BRACKET ASSEMBLY - mounting, L.H. brake chamber, not shown	1
	L 35959	BRACKET ASSEMBLY - mounting, R.H. brake chamber	1
24	NSS	BRACKET - mounting, brake chamber, R.H. or L.H.	1
25	D 71280	SEAL - oil	1
26	L 35560	BUSHING - cam and shaft	1
27	L 35577	LUG - mounting, chamber bracket, welded to axle housing	2
28	26- 928	HHCS - 9/16" - 12 NC x 1-3/4", grade 8	2
29	L 35578	WASHER - special	2
30	25- 109	NUT - hex, 9/16" - 12 NC	2
31	L 35705	PIN - anchor, alternate to item 11A, if used	4
32	L 35573	WASHER - flat	4
33	132- 28	PIN - cotter, 3/32" x 1", if used	4
34	S 89827	GASKET - bracket, not shown	2
		Continued on next page	
*D	66415	KIT - brake lining and rivets, for two wheels	1



**L76807 AND L100707 REAR AXLE
REAR BRAKES AND ADJUSTERS
FIND ROCKWELL NUMBER ON AXLE - THEN USE THE CORRECT PARTS LIST**

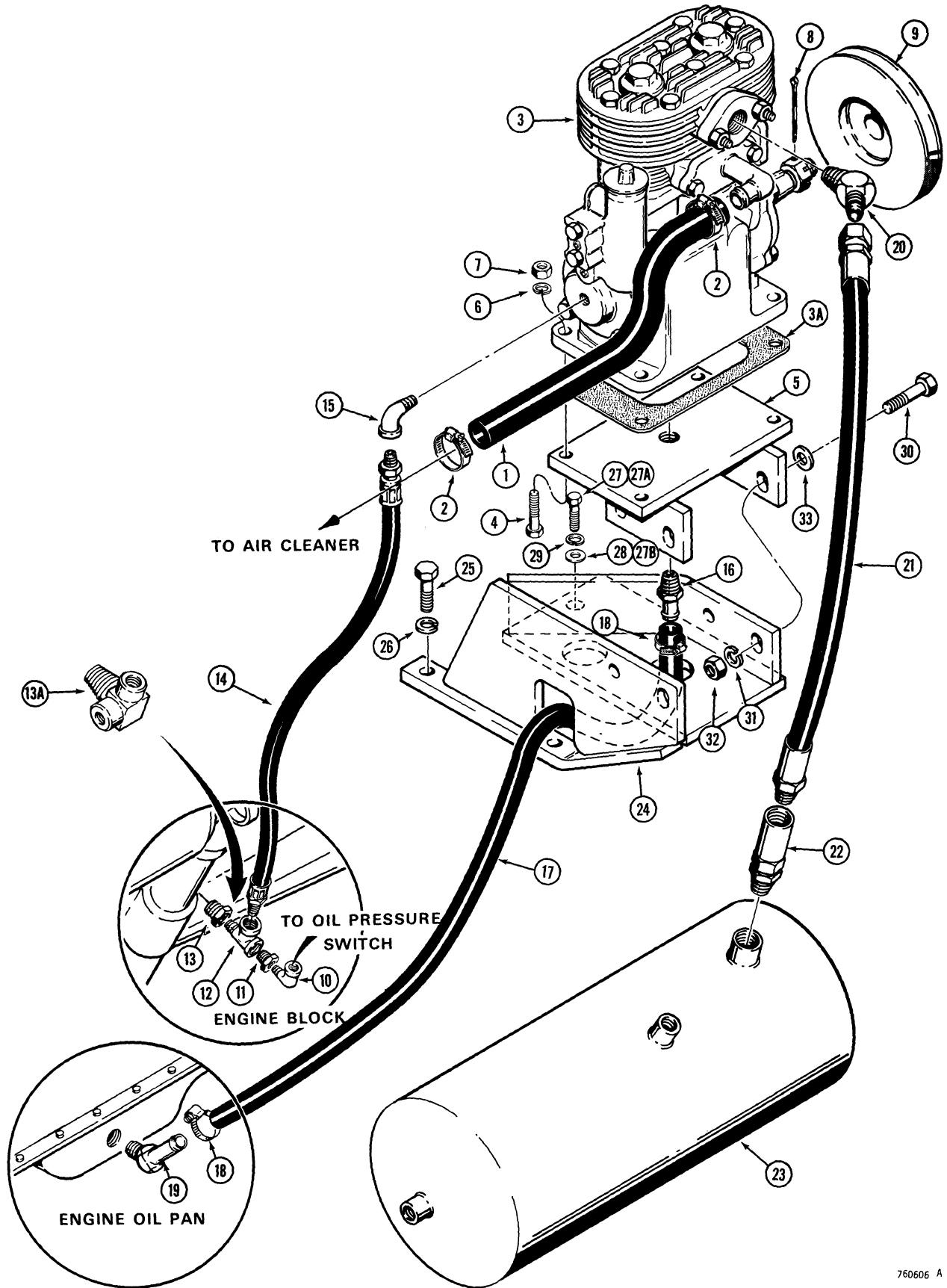
REF.	PART NO.	DESCRIPTION	REQ'D.
	L 76807	AXLE ASSEMBLY - complete, rear, PRS-204- P2/17.44-1	1
	L 78317	AXLE ASSEMBLY - complete, rear, PRS-204- P3/17.44-1	1
	L 100707	AXLE ASSEMBLY - complete, rear, PRS-204- P4/17.44-1	1
	L 35572	ADJUSTER - slack, brake shoe	2
35	NSS	BODY - adjuster	1
36	L 35598	RIVET - adjuster body	10
37	L 35600	COVER - adjuster gear	2
38	41- 10	PLUG - welch, body	1
39	L 35597	PIN - lock	1
40	L 35594	SHAFT - drive, worm gear	1
41	L 35595	GEAR - drive, worm	1
42	L 35593	LOCK - worm , gear shaft	1
43	L 35592	SPRING - lock, worm	1
44	L 35601	GEAR - worm, splined, driven	1
45	L 35602	BUSHING - adjuster body	2
46	A 15983	SCREW - lock, anchor pin	4
47	391- 751	WIRE - lock, anchor pin lock screw	2
48	219- 1	FITTING - grease, straight, 1/8" NPT	4



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 221

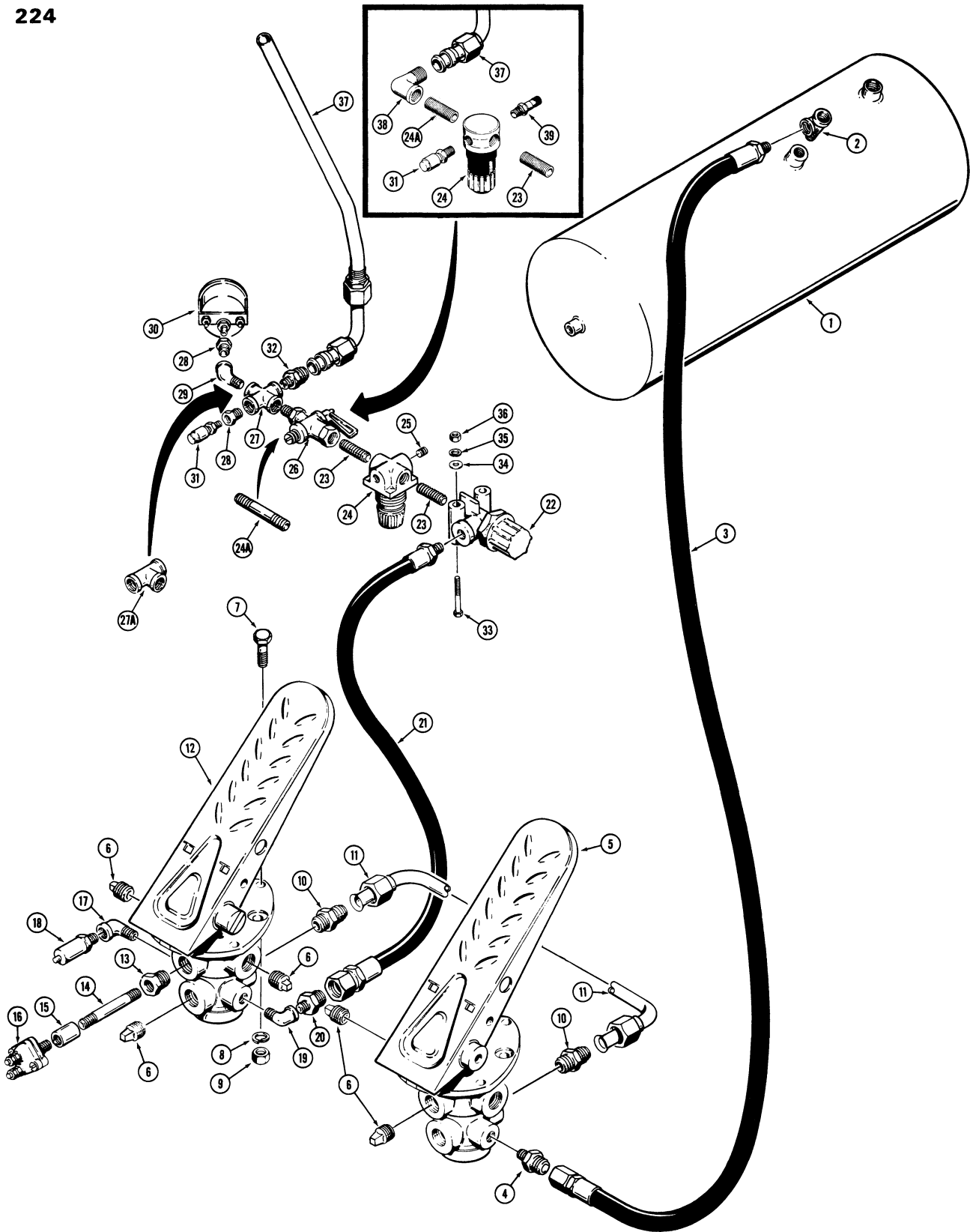
**BRAKE SYSTEM
AIR COMPRESSOR AND RESERVOIR
BEFORE TRACTOR SN 9121647**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 71196	HOSE - intake, 14-1/2" (368.3 mm) long x 1/2" (13 mm) I.D. . . .	1
2	214- 253	CLAMP - hose	2
3	217- 134	STEM - hose, 90°, at compressor	1
4	REF.	COMPRESSOR - air, see pages 239 and 241	1
5	L 10354	GASKET - air compressor to bracket	1
6	13- 622	HHCS - 3/8" - 16 NC x 1-3/8"	4
7	L 57721	BRACKET - compressor mounting	1
8	92- 6	WASHER - lock, 3/8"	4
9	25- 106	NUT - hex., 3/8" - 16 NC	4
10	26- 724	HHCS - 7/16" - 14 NC x 1-1/2", grade 8.	3
11	R 24323	WASHER - hardened, 7/16"	3
12	132- 48	PIN - cotter, 1/8" x 1"	1
13	L 51052	PULLEY - compressor	1
14	221- 402	FITTING - 45°, street, 1/4" NPT	1
15	221- 84	FITTING - adapter, 1/4" x 1/8" NPT	1
16	221- 691	FITTING - tee, 1/4" NPT	1
17	221- 53	FITTING - adapter, 3/8" x 1/4" NPT	1
18	L 57976	HOSE - lubrication, compressor, 28" (711 mm) long	1
19	221- 1401	FITTING - 45°, street, 1/8" NPT	1
20	217- 133	FITTING - 90°, stem, 3/8" NPT x 1/2" tube	1
21	L 57344	HOSE - oil return, 34" (864 mm) long x 5/8" 15.9 mm) I.D. . . .	1
22	214- 253	CLAMP - hose	2
23	217- 186	FITTING - 45°, stem, 1/2" NPT x 1/2" tube	1
24	218- 1024	ADAPTOR - 3/4" JIC x 3/8" NPT	1
25	L 57158	HOSE - compressor, 15-1/2" (394 mm) long	1
26	L 12586	VALVE - check	1
27	221- 1414	FITTING - 90°, street, 1/2" NPT	1
28	L 57152	TANK - reservoir, air	1
29	A 61155	BRACKET - compressor mounting	1
30	13- 822	HHCS - 1/2" - 13 NC x 1-3/8"	2
31	92- 8	WASHER - lock, 1/2"	2



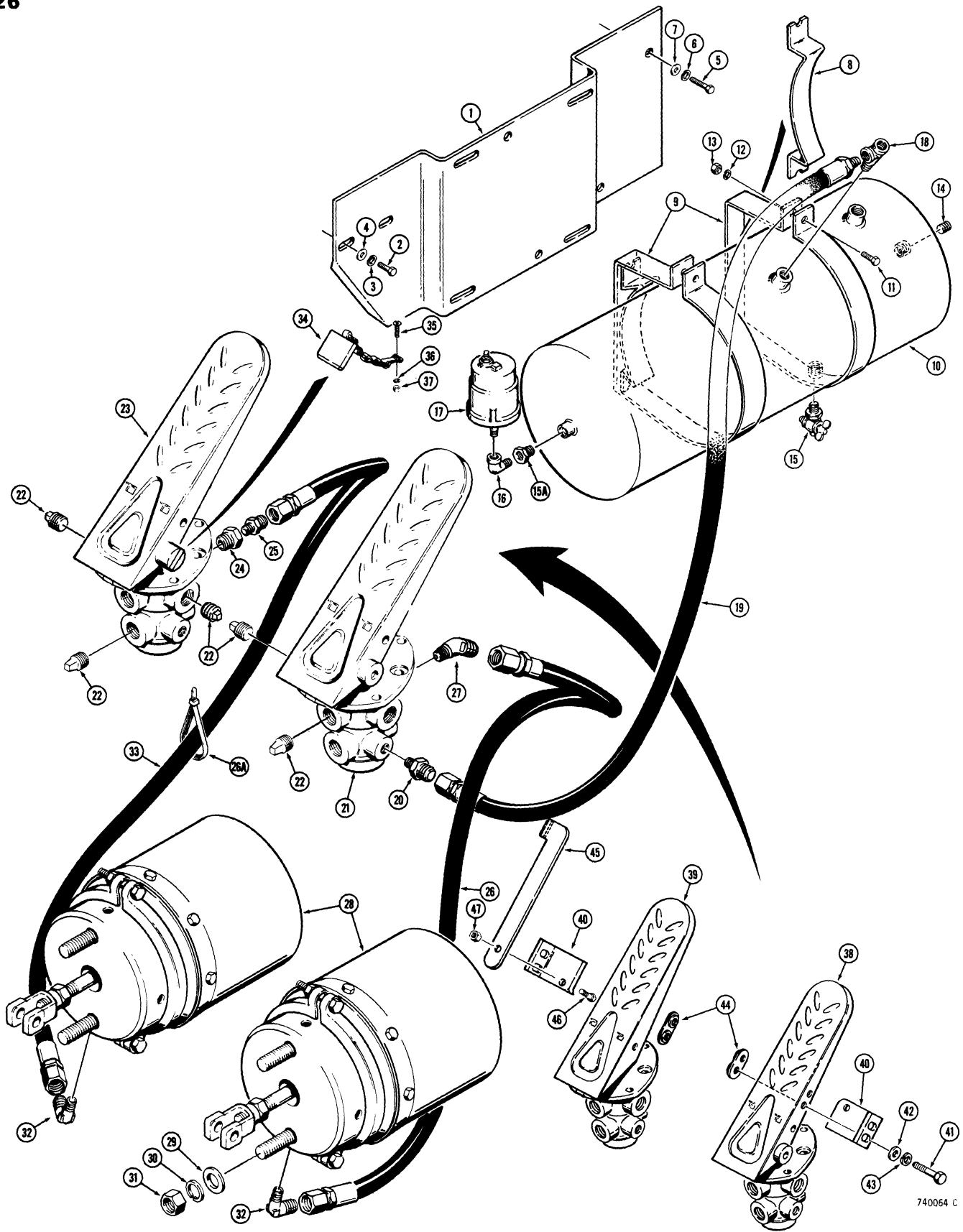
**BRAKE SYSTEM
AIR COMPRESSOR AND RESERVOIR
TRACTOR SN. 9121647 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D
1	L 74393	HOSE - intake, air cleaner to compressor	1
2	214- 254	CLAMP - hose	2
3	L 73296	COMPRESSOR - air, parts list pages 243 to 247	1
3A	L 32918	GASKET - mounting	1
4	13- 724	HHCS - 7/16" - 14 NC x 1-1/2"	4
5	L 79224	BRACKET - compressor mounting, upper	1
6	92- 7	WASHER - lock, 7/16"	4
7	25- 107	NUT - hex, 7/16" - 14 NC	4
8	132- 48	PIN - cotter, 1/8" x 1"	1
9	L 73154	PULLEY - compressor	1
10	221- 1411	FITTING - 90°, street 1/8" NPT	1
11	221- 1084	FITTING - adapter, 1/4" x 1/8" NPT	1
12	221- 691	FITTING - tee, 1/4" NPT	1
13	221- 53	FITTING - adapter, 3/8" x 1/4" NPT	1
13A	L 74391	FITTING - special, will replace items 10-13, if used	1
14	L 57976	HOSE - lubrication, 28" (711 mm) long	1
15	221- 1411	FITTING - 90°, street, 1/4" NPT	1
16	217- 152	FITTING - stem, 3/8" NPT x 1/2" tube	1
17	L 57344	HOSE - compressor oil return, 34" (864 mm) long	1
18	214- 253	CLAMP - hose	2
19	217- 186	FITTING - 45°, 1/2" NPT x 1/2" tube	1
20	218- 1096	FITTING - 45°	1
21	L 73294	HOSE - compressor, 15-1/2" (394 mm) long	1
22	L 12586	VALVE - check	1
23	L 57152	TANK - reservoir, air	1
24	L 79225	BRACKET - air compressor mounting, lower	1
25	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	2
26	92- 8	WASHER - lock, 1/2"	2
27	13- 720	HHCS - 7/16" - 14 NC x 1-1/4"	1
27A	26- 720	HHCS - 7/16" - 14 NC x 1-1/4", grade 8	1
27B	L 79092	WASHER - special	1
28	95- 7	WASHER - flat, 7/16"	1
29	92- 7	WASHER - lock, 7/16"	1
30	13- 828	HHCS - 1/2" - 13 NC x 1-3/4"	4
31	92- 8	WASHER - lock, 1/2"	4
32	25- 108	NUT - hex, 1/2" - 13 NC	4
33	95- 8	WASHER - flat, 1/2"	4



**BRAKE SYSTEM
RESERVOIR TO PROTECTION VALVES AND TREADLES**

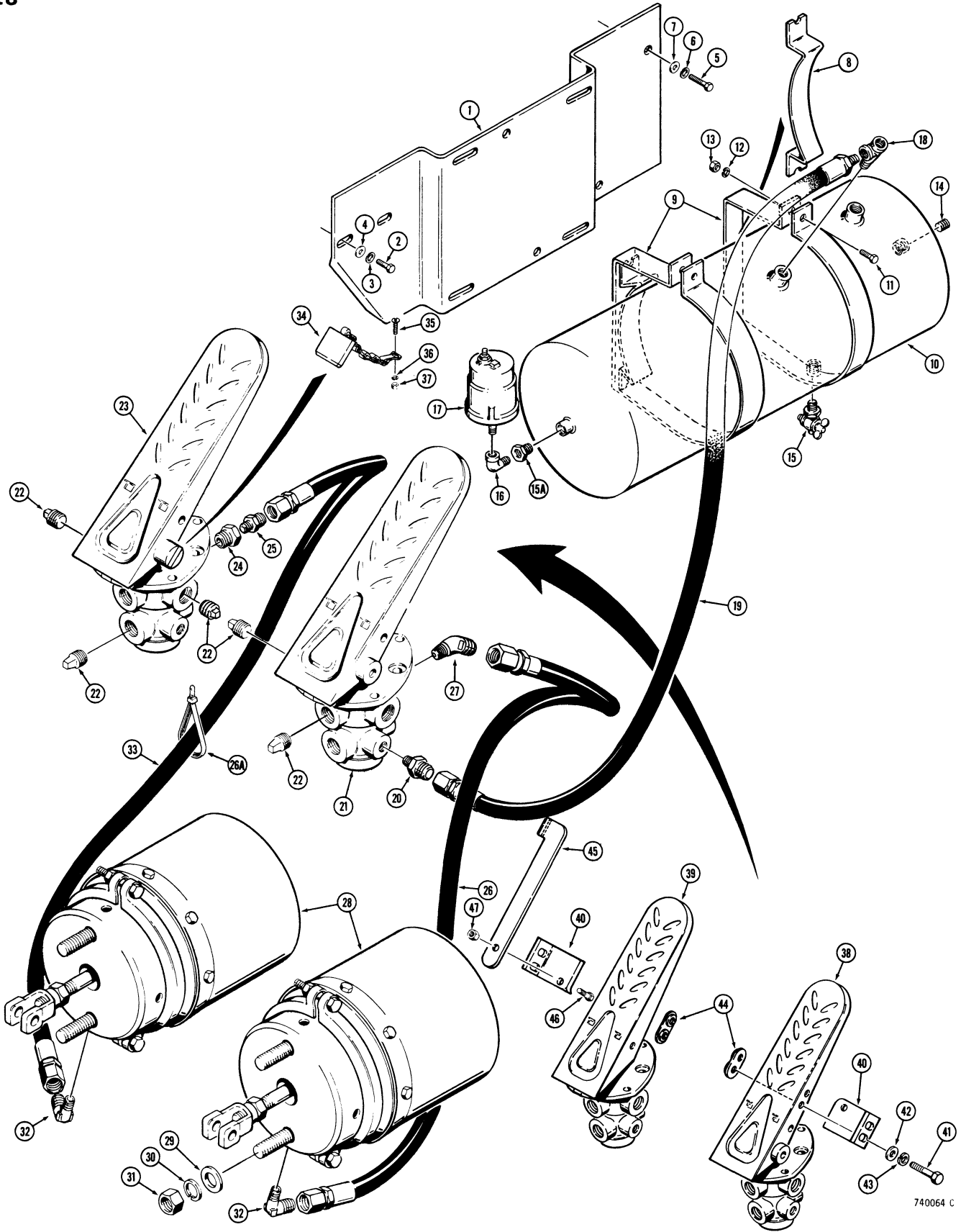
REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 57152	RESERVOIR - air tank	1
2	221- 1691	FITTING - tee, 1/4" NPT	1
3	L 57163	HOSE - reservoir, 50" (1270 mm) long	1
4	218- 443	FITTING - adapter, 3/8" tube to 1/4" NPT	1
5	REF.	TREADLE - R.H. valve, parts list page 251	1
6	221- 1014	PLUG - 1/2" NPT, square head	5
7	13- 516	HHCS - 5/16" - 18 NC x 1"	6
8	92- 5	WASHER - lock, 5/16"	6
9	25- 105	NUT - hex., 5/16" - 18 NC	6
10	218- 454	ADAPTER - 1/2" NPT x 9/16" JIC	2
11	L 57157	TUBE - brake valve connecting	1
12	REF.	TREADLE - L.H. valve, parts list page 251	1
13	221- 1088	FITTING - 1/2" NPT x 1/4" NPT	1
14	221- 1139	NIPPLE - 1/4" NPT x 3"	1
15	221- 1327	FITTING - 1/4" NPT	1
16	L 47989	SWITCH - stop light	1
17	221- 1412	FITTING - 90°, street, 1/4" NPT	1
18	L 48992	VALVE - safety	1
19	221- 1412	FITTING - 90°, street, 1/4" NPT	1
20	218- 443	FITTING - 3/8" tube to 1/4" NPT	1
21	L 57160	HOSE - L.H. treadle, 21" (533 mm) long	1
22	L 13530	VALVE - pressure protection, parts list page 255	1
23	221- 1131	NIPPLE - 1/4" NPT x 1", if used	1-2
24	L 72409	VALVE - pressure reduction, if used	1
24A	221- 1138	NIPPLE - 1/4" NPT x 2-1/2", if used	1
25	221- 1849	PLUG - hex. socket head, 1/8" NPT, if used	1
26	L 53739	VALVE - air, shut-off, if used	1
27	221- 1502	FITTING - 4-way, 1/4" NPT, if used	1
27A	221- 1422	FITTING - tee, 1/4" NPT, if used	1
28	221- 1084	FITTING - adapter, 1/4" NPT to 1/8" NPT	2
29	221- 1402	FITTING - street, 45°, 1/4" NPT	1
30	L 13271	GAUGE - pressure, hydraulic tank, if used	1
31	D 38663	VALVE - relief, pressure	1
32	218- 443	FITTING - 3/8" tube to 1/4" NPT	1
33	13- 432	HHCS - 1/4" - 20 NC x 2"	2
34	95- 4	WASHER - flat, 1/4"	2
35	92- 4	WASHER - lock, 1/4"	2
36	25- 104	NUT - hex., 1/4" - 20 NC	2
37	L 58388	TUBE ASSEMBLY - air vent	1
38	221- 1375	FITTING - 90°, 1/4" NPT, if used	1
39	L 51311	VALVE - tank, if used	1



**BRAKE SYSTEM
RESERVOIR TO BRAKE TREADLES AND BRAKE CHAMBER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 70056	PLATE - reservoir mounting	1
2	26- 512	HHCS - 5/16" - 18 NC x 3/4", grade 8	2
3	92- 5	WASHER - lock, 5/16"	2
4	95- 5	WASHER - flat, 5/16"	2
5	26- 614	HHCS - 3/8" x 16 NC x 7/8", grade 8	2
6	92- 6	WASHER - lock, 3/8"	2
7	95- 6	WASHER - flat, 3/8"	2
8	L 57146	BRACKET - reservoir mounting	2
9	L 57979	STRAP - reservoir mounting	2
10	L 57152	RESERVOIR - air	1
11	13- 416	HHCS - 1/4" - 20 NC x 1"	2
12	92- 4	WASHER - lock, 1/4"	2
13	25- 104	NUT - hex., 1/4" - 20 NC	2
14	221- 1662	PLUG - hex. head, 1/4" NPT	1
15	217- 109	VALVE - drain	1
15A	221- 1084	FITTING - adapter, 1/4" to 1/8" NPT	1
16	221- 1411	FITTING - 90°, street, 1/8" NPT	1
17	L 57176	SENDING UNIT - air pressure	1
18	221- 1691	FITTING - street, tee, 1/4" NPT	1
19	L 57163	HOSE - reservoir to treadle, 50" (1270 mm) long	1
20	218- 443	FITTING - 3/8" tube to 1/4" NPT	1
21	L 53601	TREADLE - R.H., brake valve, parts list page 251, early production	1
22	221- 1014	PLUG - square head, 1/2" NPT	5
23	L 53600	TREADLE - L.H., brake valve, parts list page 251, early production	1
24	221- 1088	FITTING - adapter, 1/2" NPT to 1/4" NPT	1
25	218- 443	FITTING - adapter, 3/8" tube to 1/4" NPT	1
26	L 53613	HOSE - treadle to R.H. brake chamber, 41" (1041 mm) long, used before sn. 9124666	1
26	L 53612	HOSE - treadle to R.H. brake chamber, 35" (889 mm) long, used on sn. 9124666 and after	1
26A	L 11541	STRAP - tie, hoses, if used	2
27	218- 533	FITTING - adapter, 45°, 1/2" NPT to 9/16" JIC	1
28	REF.	CHAMBER ASSEMBLY - brake, see pages 257 and 259	2
29	95- 10	WASHER - flat, 5/8"	4
30	92- 10	WASHER - lock, 5/8"	4
31	25- 1110	NUT - hex., 5/8" - 18 NF	4
32	218- 483	FITTING - 90°, 1/4" NPT to 9/16" JIC	2
33	L 53612	HOSE - L.H. brake chamber to treadle, 35" (889 mm) long	1
34	L 53599	PIN - brake lock, used with L53600 and L53601 treadles	1
35	173- 274	SCREW - machine, #8 x 1/2", zinc plated, if used	1
36	192- 16	WASHER - lock, #8, zinc plated, if used	1
37	129- 16	NUT - hex., #8 zinc plated, if used	1

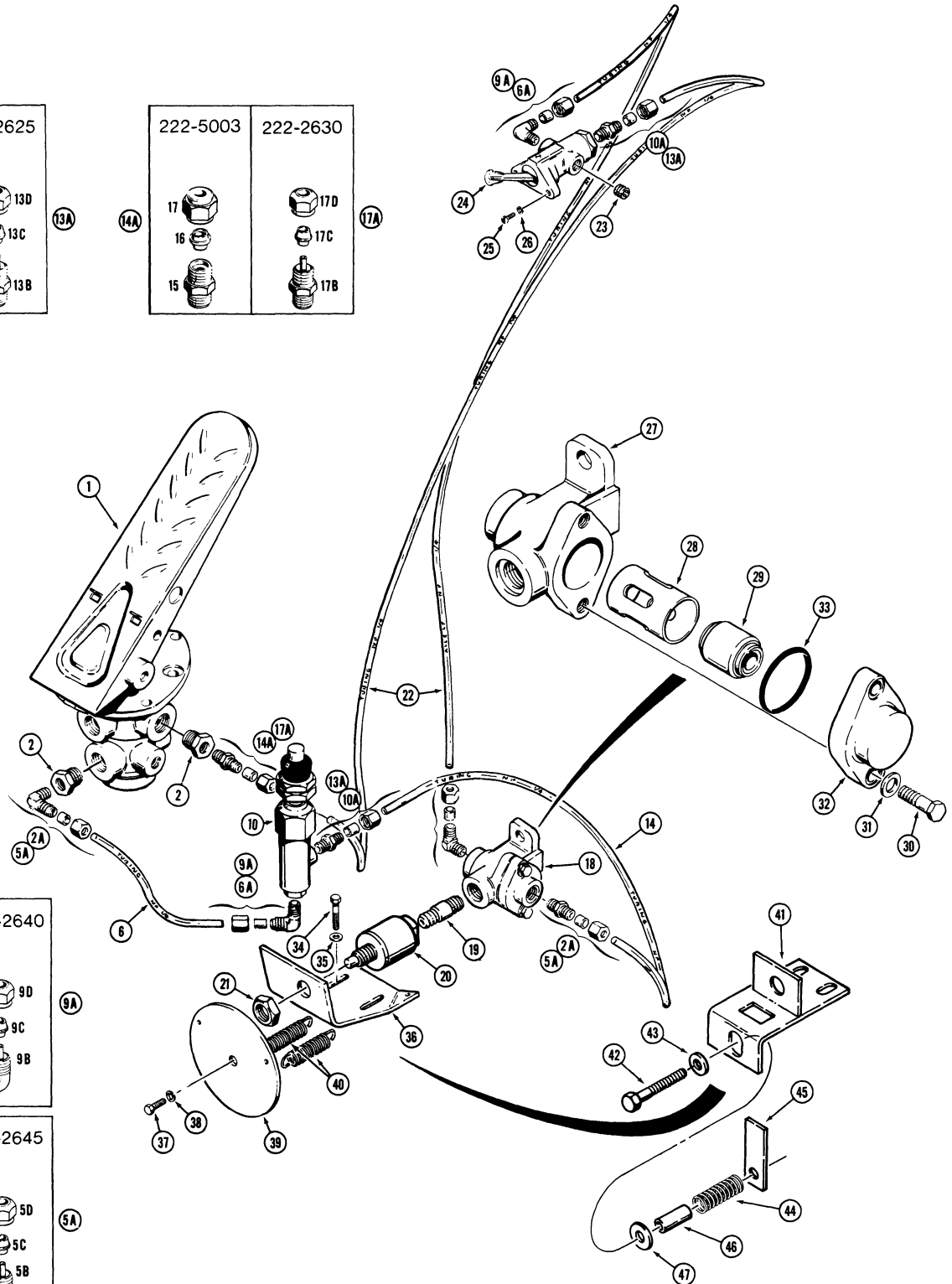
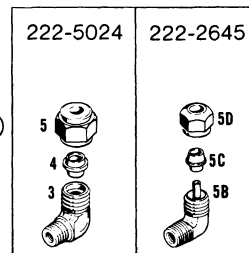
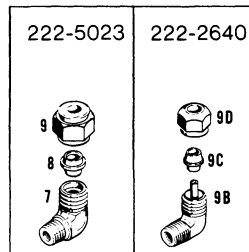
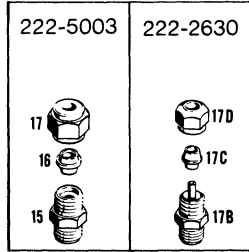
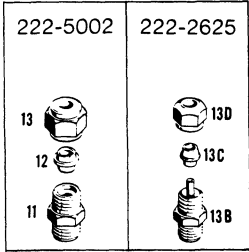
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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 229

**BRAKE SYSTEM
RESERVOIR TO BRAKE TREADLES AND BRAKE CHAMBER**

REF.	PART NO.	DESCRIPTION	REQ'D.
38	REF.	TREADLE - R.H. brake valve, parts list page 251, late production	1
39	REF.	TREADLE - L.H. brake valve, parts list page 251, late production	1
40	L 71273	BRACKET - locking bar	2
41	13- 412	HHCS - 1/4" - 20 NC x 3/4", if used	4
42	95- 4	WASHER - flat, 1/4", if used	4
43	92- 4	WASHER - lock, 1/4", if used	4
44	129- 724	NUT - weld, if used	2
45	L 71180	BAR - locking, if used	1
46	13- 516	HHCS - 5/16" - 18 NC x 1", if used	1
47	131- 4	NUT - hex., self lock, 5/16" - 18 NC, if used	1



**BRAKE SYSTEM
TREADLE TO CLUTCH CUTOUT**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	TREADLE - brake valve, R.H., parts list page 167	1
2	221- 1088	FITTING - 1/2" to 1/4" NPT	2
2A	222- 5024	FITTING ASSEMBLY - 90°, male, order item 5A	2
3	NSS	BODY - male fitting	1
4	222- 5047	SLEEVE - fitting	1
5	222- 5060	NUT - fitting	1
5A	222- 2695	FITTING ASSEMBLY - 90°, male, if used	2
5B	NSS	BODY - male fitting	1
5C	222- 2610	SLEEVE - fitting	1
5D	222- 2600	NUT - fitting	1
6	L 16536	TUBE - treadle to floor mounted clutch cutout valve	1
6A	222- 5023	FITTING ASSEMBLY - 90°, male, order item 9A	2
7	NSS	BODY - male fitting	1
8	222- 5047	SLEEVE - fitting	1
9	222- 5060	NUT - fitting	1
9A	222- 2640	FITTING ASSEMBLY - 90°, male, if used	2
9B	NSS	BODY - male fitting	1
9C	222- 2610	SLEEVE - fitting	1
9D	222- 2600	NUT - fitting	1
10	L 14818	VALVE - clutch cut-out, parts list page 253	1
10A	222- 5002	FITTING ASSEMBLY - straight, order item 13A	2
11	NSS	BODY - straight fitting	1
12	222- 5047	SLEEVE - fitting	1
13	222- 5060	NUT - fitting	1
13A	222- 2625	FITTING ASSEMBLY - straight, if used	2
13B	NSS	BODY - straight fitting	1
13C	222- 2610	SLEEVE - fitting	1
13D	222- 2600	NUT - fitting	1
14	L 55262	TUBE - clutch cutout valve to cutout cylinder	1
14A	222- 5003	FITTING ASSEMBLY - straight, order item 17A	1
15	NSS	BODY - straight fitting	1
16	222- 5047	SLEEVE - fitting	1
17	222- 5060	NUT - fitting	1
17A	222- 2630	FITTING ASSEMBLY - straight, if used	1
17B	NSS	BODY - straight fitting	1
17C	222- 2610	SLEEVE - fitting	1
17D	222- 2600	NUT - fitting	1
18	L 55059	VALVE - double check	1
19	221- 1133	NIPPLE - 1/4" NPT x 1-3/8", early production	1
20	L 12627	CYLINDER - clutch cutout	1
21	L 54140	NUT - lock, cutout cylinder mounting	1
22	L 54114	TUBE - cylinder to manual cutout valve	2
23	221- 1849	PLUG - 1/8" NPT, hex. socket head	1
24	L 12630	VALVE - clutch cutout, manual, parts list page 255	1
25	173- 97	SCREW - machine, round head, #10 x 1/2"	2
26	92- 3	WASHER - lock, #10	2

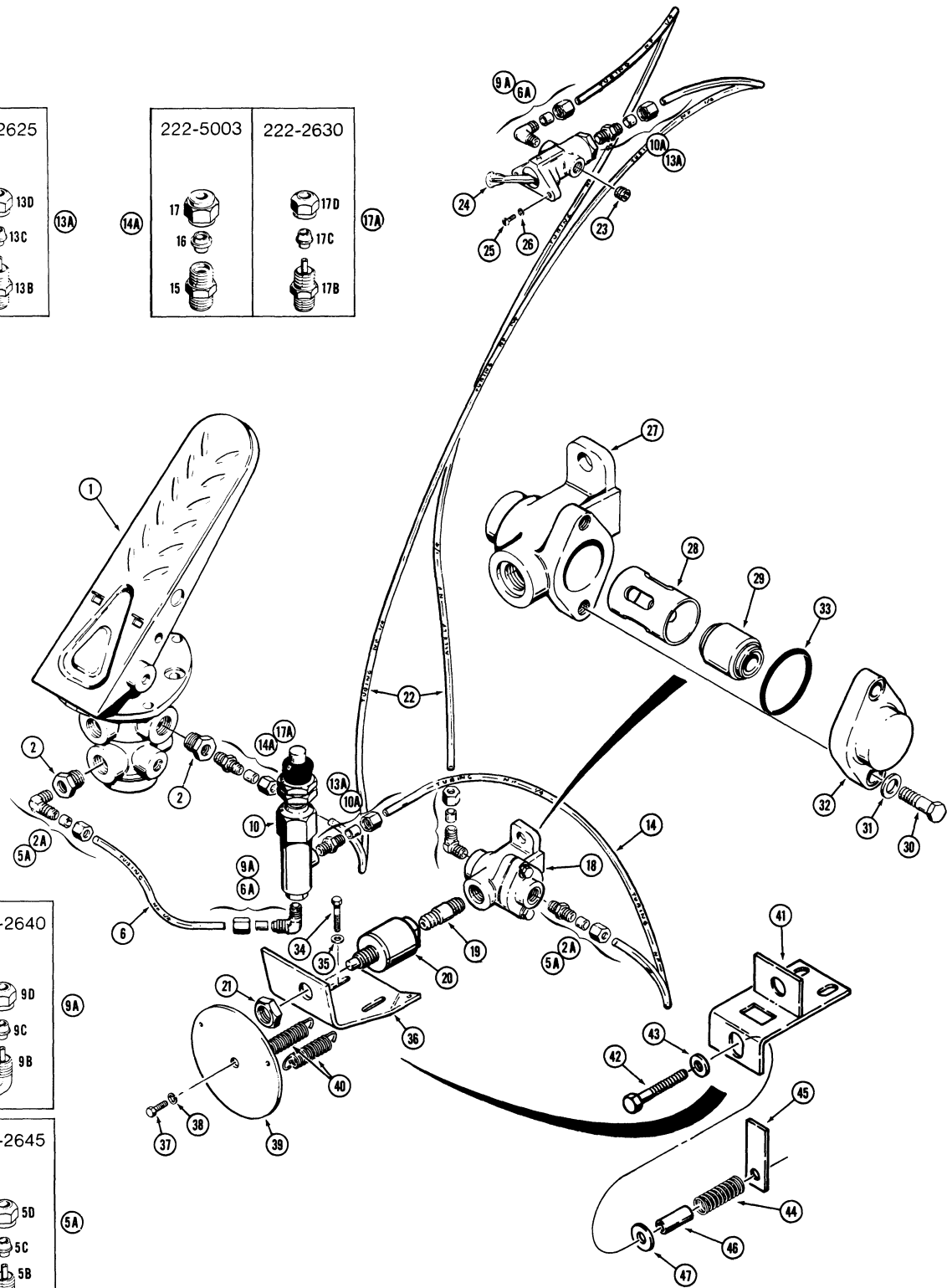
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222-5002	222-2625
13	13D
12	13C
11	13B

222-5003	222-2630
17	17D
16	17C
15	17B

222-5023	222-2640
9	9D
8	9C
7	9B

222-5024	222-2645
5	5D
4	5C
3	5B



**BRAKE SYSTEM
TREADLE TO CLUTCH CUTOUT**

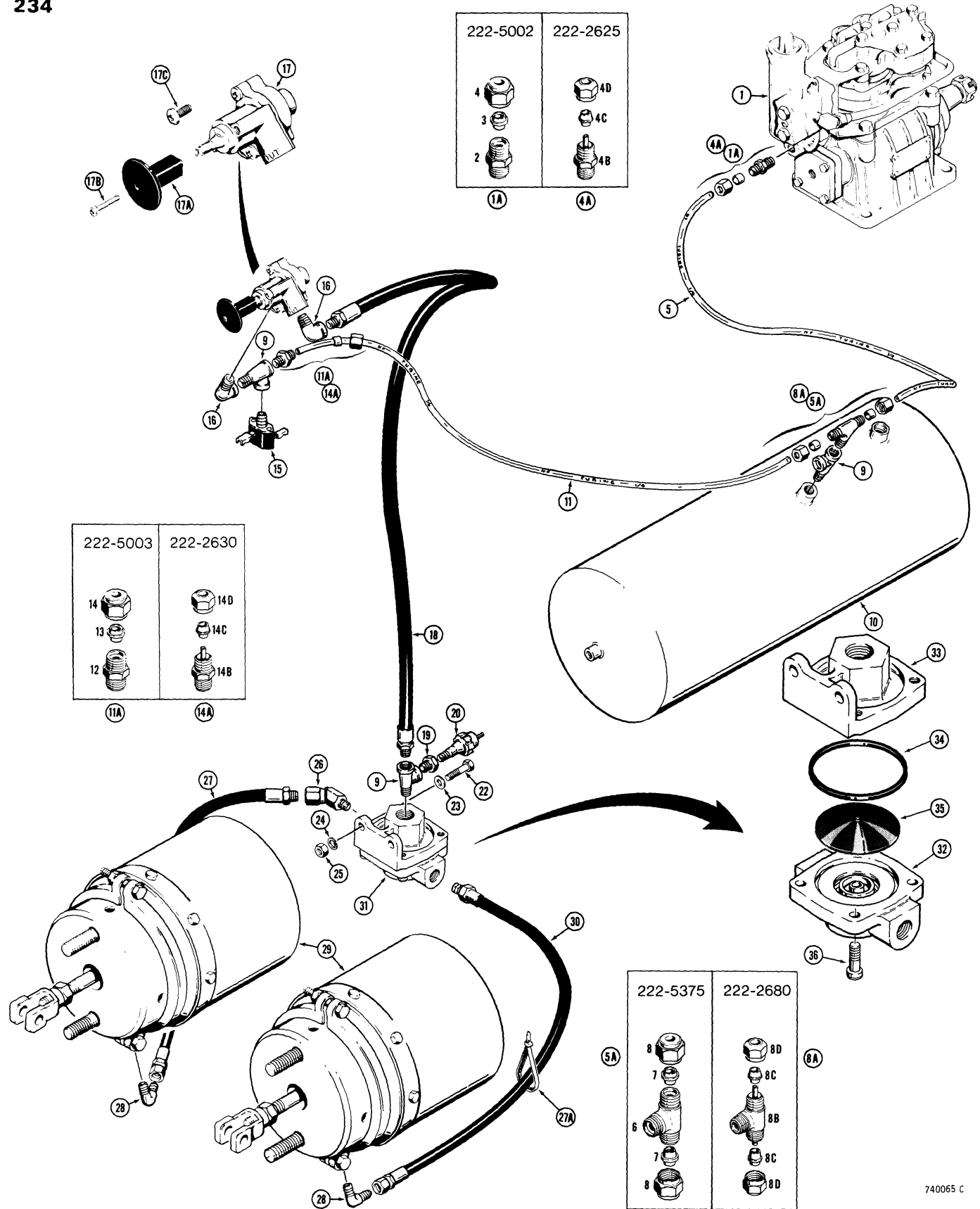
REF.	PART NO.	DESCRIPTION	REQ'D.
	L 55059	VALUE - double check	1
27	L 35711	BODY - valve	1
28	L 31497	GUIDE - shuttle	1
29	L 31498	SHUTTLE - check	1
30	113- 3	HHCS - 1/4" - 20 NC x 3/4", plated	2
31	195- 515	WASHER - flat, 1/4", plated	2
32	L 33702	CAP - valve	1
33	L 31499	O-RING - cap to body	1
34	13- 540	HHCS - 5/16" - 18 NC x 2-1/2"	2
35	95- 5	WASHER - flat, 5/16"	4

BEFORE TRACTOR SN 9118513

36	L 55881	BRACKET - mounting, clutch cutout cylinder	1
37	14- 512	HHCS - 5/16" - 24 NF x 3/4"	1
38	92- 5	WASHER - lock, 5/16"	1
39	L 70250	DISC - clutch cutout	1
40	L 48104	SPRING - return, clutch cutout	2

TRACTOR SN 9118513 AND AFTER







	L 73098	KIT - clutch cutout repair	1
41	L 72956	BRACKET - clutch cutout cylinder mounting	1
42	14- 532	HHCS - 5/16" - 24 NF x 2"	1
43	95- 5	WASHER - flat, 5/16"	1
44	L 72882	SPRING - return, clutch cutout	1
45	L 72895	LEVER - clutch cutout	1
46	L 72896	SPACER - clutch cutout lever	1
47	A 26381	WASHER - flat, special	1

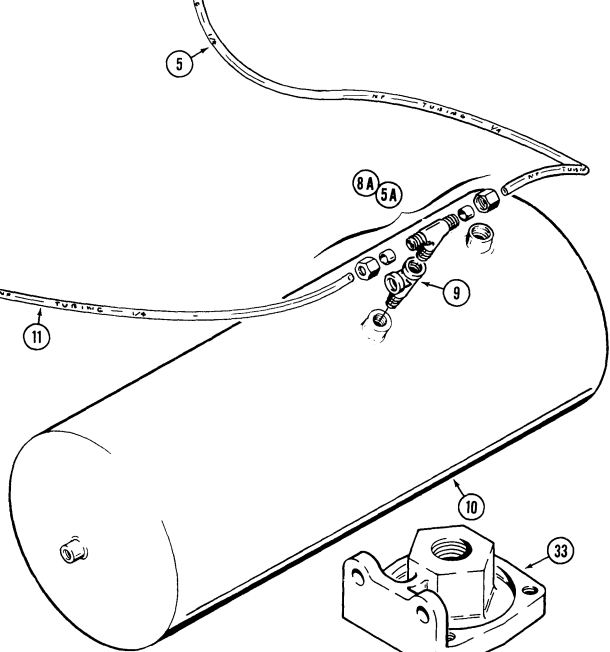
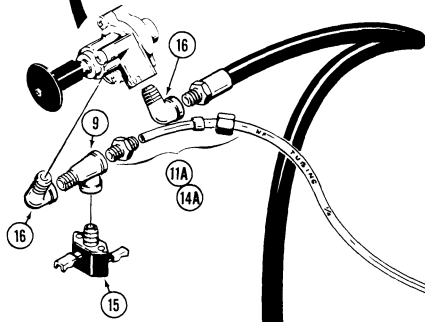
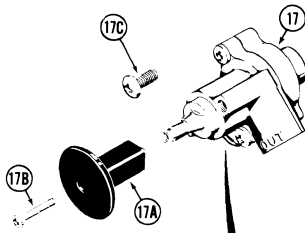
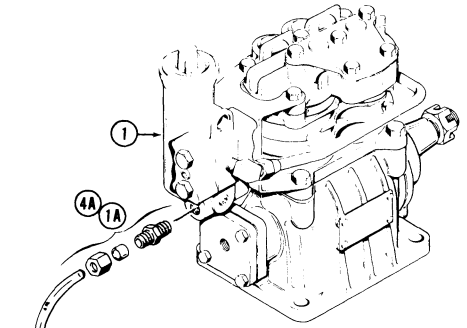








**BRAKE SYSTEM
PARKING BRAKE CONTROLS AND QUICK RELEASE VALVE**

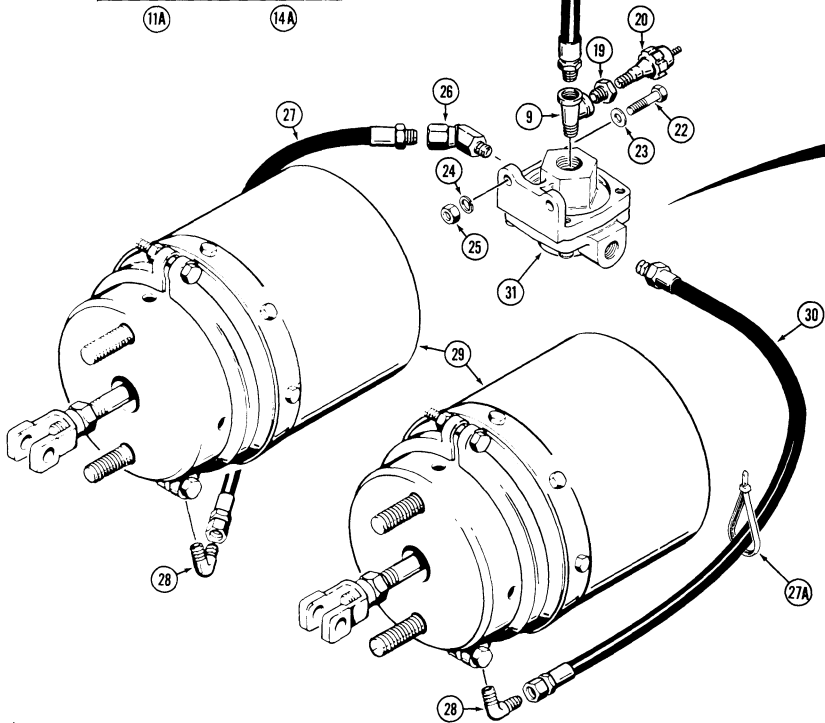
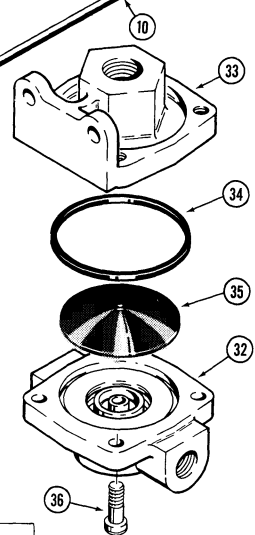
REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	COMPRESSOR - air, see pages 239-247	1
1A	222- 5002	FITTING ASSEMBLY - straight, order item 4A	1
2	NSS	BODY - straight fitting	1
3	222- 5047	SLEEVE - fitting	1
4	222- 5060	NUT - fitting	1
4A	222- 2625	FITTING ASSEMBLY - straight, if used	1
4B	NSS	BODY - straight fitting	1
4C	222- 2610	SLEEVE - fitting	1
4D	222- 2600	NUT - fitting	1
5	L 48192	TUBE - governor to reservoir, before tractor sn. 9121647	1
5	L 46110	TUBE - governor to reservoir, tractor sn. 9121647 and after	1
5A	222- 5375	FITTING ASSEMBLY - tee, reservoir, order item 8A	1
6	NSS	BODY - tee	1
7	222- 5047	SLEEVE - fitting	2
8	222- 5060	NUT - fitting	2
8A	222- 2680	FITTING ASSEMBLY - tee, reservoir, if used	1
8B	NSS	BODY - tee	1
8C	222- 2610	SLEEVE - fitting	2
8D	222- 2600	NUT - fitting	2
9	221- 1691	FITTING - tee, street, 1/4" NPT	3
10	L 57152	RESERVOIR - air	1
11	L 48191	TUBE - reservoir to parking brake valve	1
11A	222- 5003	FITTING ASSEMBLY - straight, order item 14A	1
12	NSS	BODY - straight fitting	1
13	222- 5047	SLEEVE - fitting	1
14	222- 5060	NUT - fitting	1
14A	222- 2630	FITTING ASSEMBLY - straight, if used	1
14B	NSS	BODY - straight fitting	1
14C	222- 2610	SLEEVE - fitting	1
14D	222- 2600	NUT - fitting	1
15	L 48480	SWITCH - buzzer	1
16	221- 1412	FITTING - street, 90°, 1/4" NPT	2
	L 57682	VALVE - parking brake	1
17	NSS	BODY - valve	1
17A	L 36025	KNOB - valve	1
17B	169- 146	SCREW - machine, Phillips head, #8 - 32 NC x 3/8"	1
17C	182- 202	SCREW - 1/4" - 20 NC x 1/2"	2
17D	D 80516	KIT - repair, parking brake valve, not shown	1
18	L 57165	HOSE - parking brake, 44" (1117 mm) long	1
19	221- 1084	FITTING - 1/4" NPT to 1/8" NPT	1
20	L 57937	SWITCH - brake warning light	1
21		RESERVED	
22	13- 516	HHCS - 5/16" - 18 NC x 1"	2
23	95- 5	WASHER - flat, 5/16"	2
24	92- 5	WASHER - lock, 5/16"	2
25	25- 105	NUT - hex, 5/16" - 18 NC	2







Continued on next page

222-5002	222-2625
	
	
	
1A	4A



222-5003	222-2630
	
	
	
11A	14A

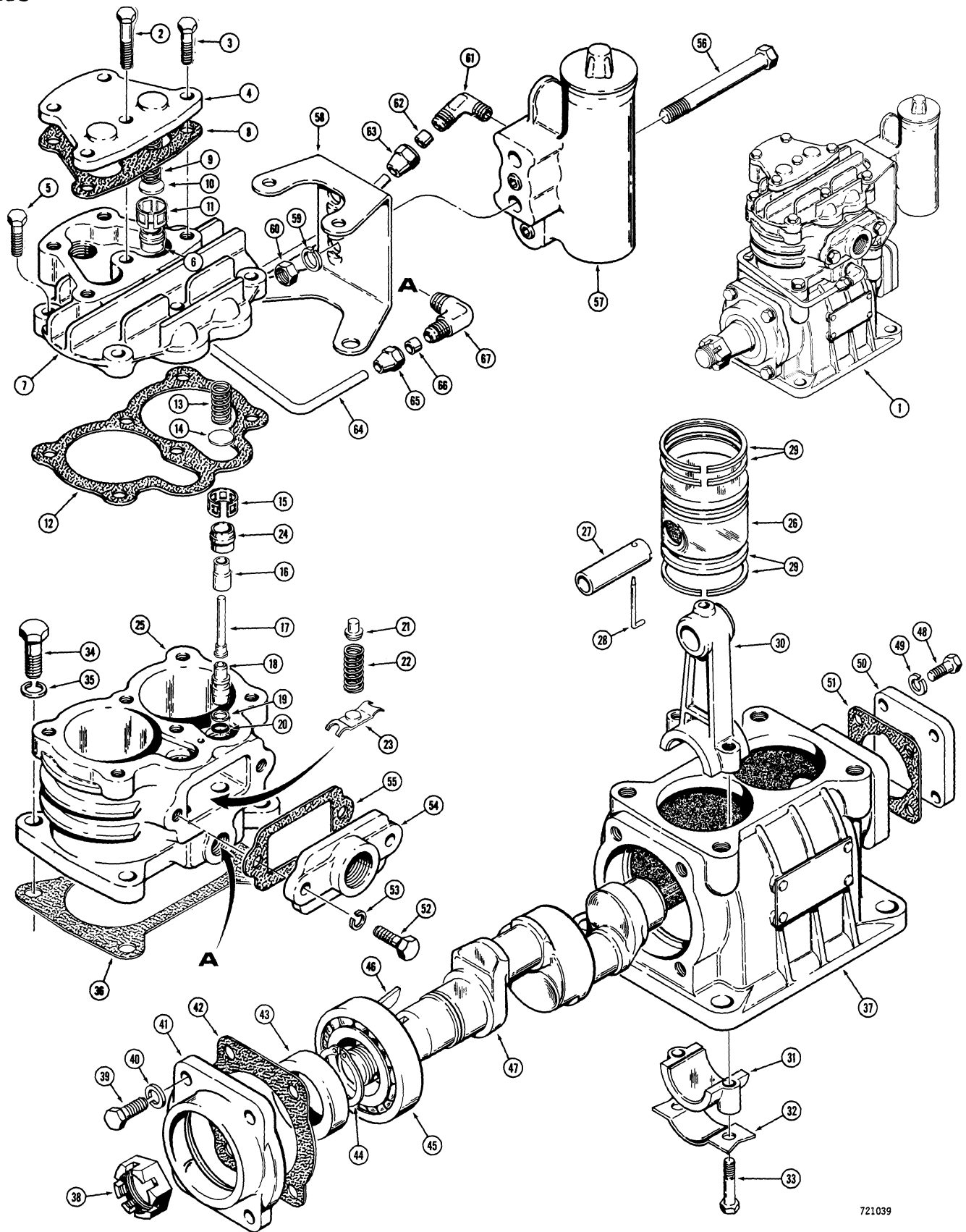


222-5375	222-2680
	
	
	
5A	8A

MODEL 680E CONSTRUCTION KING LOADER BACKHOE 237

**BRAKE SYSTEM
PARKING BRAKE CONTROLS AND QUICK RELEASE VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
26	218- 936	ADAPTER - swivel union, 45°	1
27	L 58459	HOSE - to L.H. brake chamber, used before sn. 9124666, 24" (610 mm) long	1
27	L 53615	HOSE - to L.H. brake chamber, used on sn. 9124666 and after, 21" (533 mm) long	1
27A	L 11541	STRAP - tie, hoses, if used	2
28	218- 483	ELBOW - 1/4" NPT to 9/16" JIC	2
29	REF.	CHAMBER - air brakes, see pages 257 and 259	2
30	L 53615	HOSE - to R.H. brake chamber, 21" (533 mm) long	1
31	L 71758	VALVE - quick release, brake	1
32	NSS	BODY - valve	1
33	D 72740	COVER - valve	1
34	D 73718	SEAL - cover	1
35	D 72741	DIAPHRAGM - valve	1
36	182- 204	SCREW - 1/4" - 20 NC x 3/4"	4

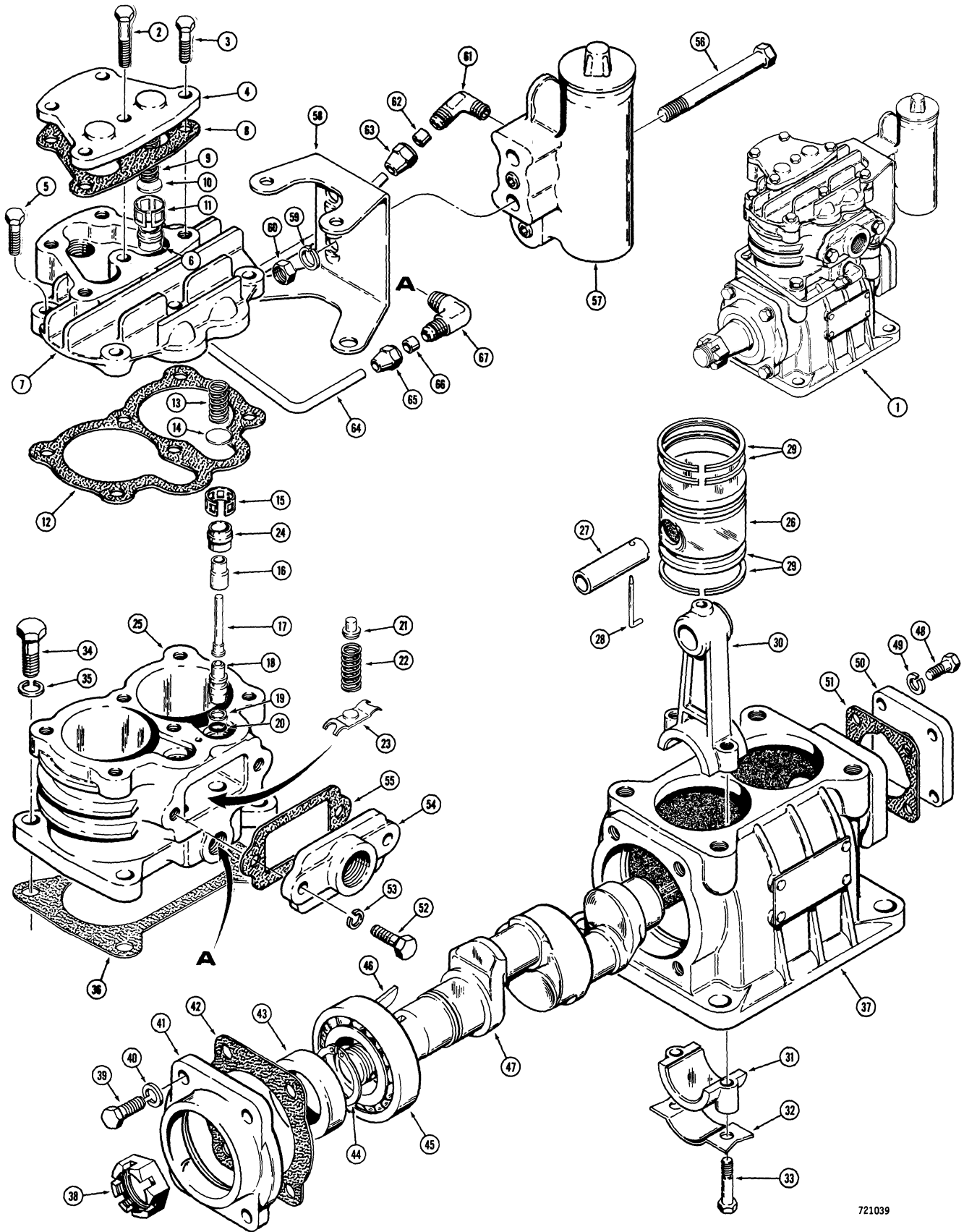


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 239

**BRAKE SYSTEM
L52092 AND L73263 AIR COMPRESSOR
(TU-FLO 300)**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 52092	COMPRESSOR - air, before tractor sn. 9118505	1
1	L 73263	COMPRESSOR - air, tractor sn. 9118505 thru 9121646 and service replacement for prior models	1
2	L 32588	BOLT - special, long cover to head assembly	1
3	L 32561	BOLT - special, short, cover to head assembly	4
4	L 32560	COVER - head	1
5	L 31458	BOLT - special, head assembly to cylinder block	5
	L 32554	HEAD ASSEMBLY - cylinder	1
6	L 32556	SEAT - discharge valve	2
7	NSS	HEAD - cylinder	1
	L 32590	KIT - repair, cylinder head and block	1
8	NSS	GASKET - cover	1
9	NSS	SPRING - valve	2
10	NSS	VALVE - discharge	2
11	NSS	GUIDE - valve	2
12	L 32562	GASKET - head assembly to cylinder block	1
13	NSS	SPRING - valve, inlet	2
14	NSS	VALVE - inlet	2
15	NSS	GUIDE - inlet valve	2
	L 32591	KIT - unloader, air compressor	1
16	NSS	GUIDE - plunger	2
17	NSS	PLUNGER - unloader	2
18	NSS	PISTON - unloader	2
19	L 31407	RING - backup	2
20	L 31406	O-RING	2
21	L 31412	SEAT - spring	1
22	NSS	SPRING - unloader	1
23	NSS	SADDLE - spring	1
	L 32517	BLOCK ASSEMBLY - cylinder	1
24	L 32519	SEAT - inlet valve	2
25	NSS	BLOCK - cylinder	1
	L 32570	PISTON AND WRIST PIN ASSEMBLY - standard	2
	L 32571	PISTON AND WRIST PIN ASSEMBLY - .010" (0.254 mm) oversize	2
	L 32572	PISTON AND WRIST PIN ASSEMBLY - .020" (0.508 mm) oversize	2
	L 32573	PISTON AND WRIST PIN ASSEMBLY - .030" (0.762 mm) oversize	2
26	NSS	PISTON - air compressor	1
27	NSS	WRIST PIN - piston	1
28	L 32574	LOCK WIRE - wrist pin	2
	L 32580	RING SET - piston (Standard) Color - steel	1
	L 32581	RING SET - piston, .010" (0.254 mm) oversize, Color, yellow ..	1

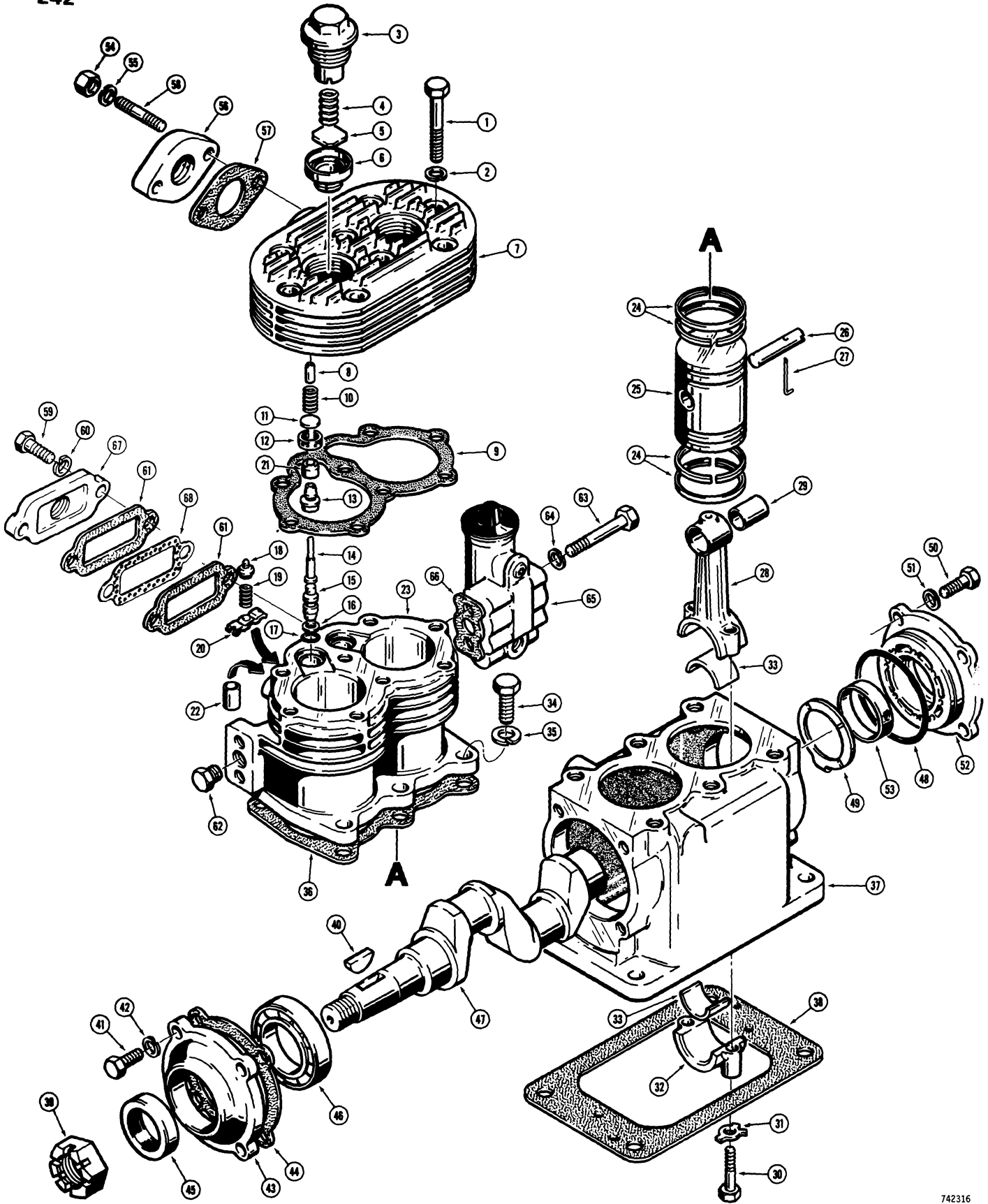
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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 241

BRAKE SYSTEM L52092 AND L73263 AIR COMPRESSOR (TU-FLO 300)

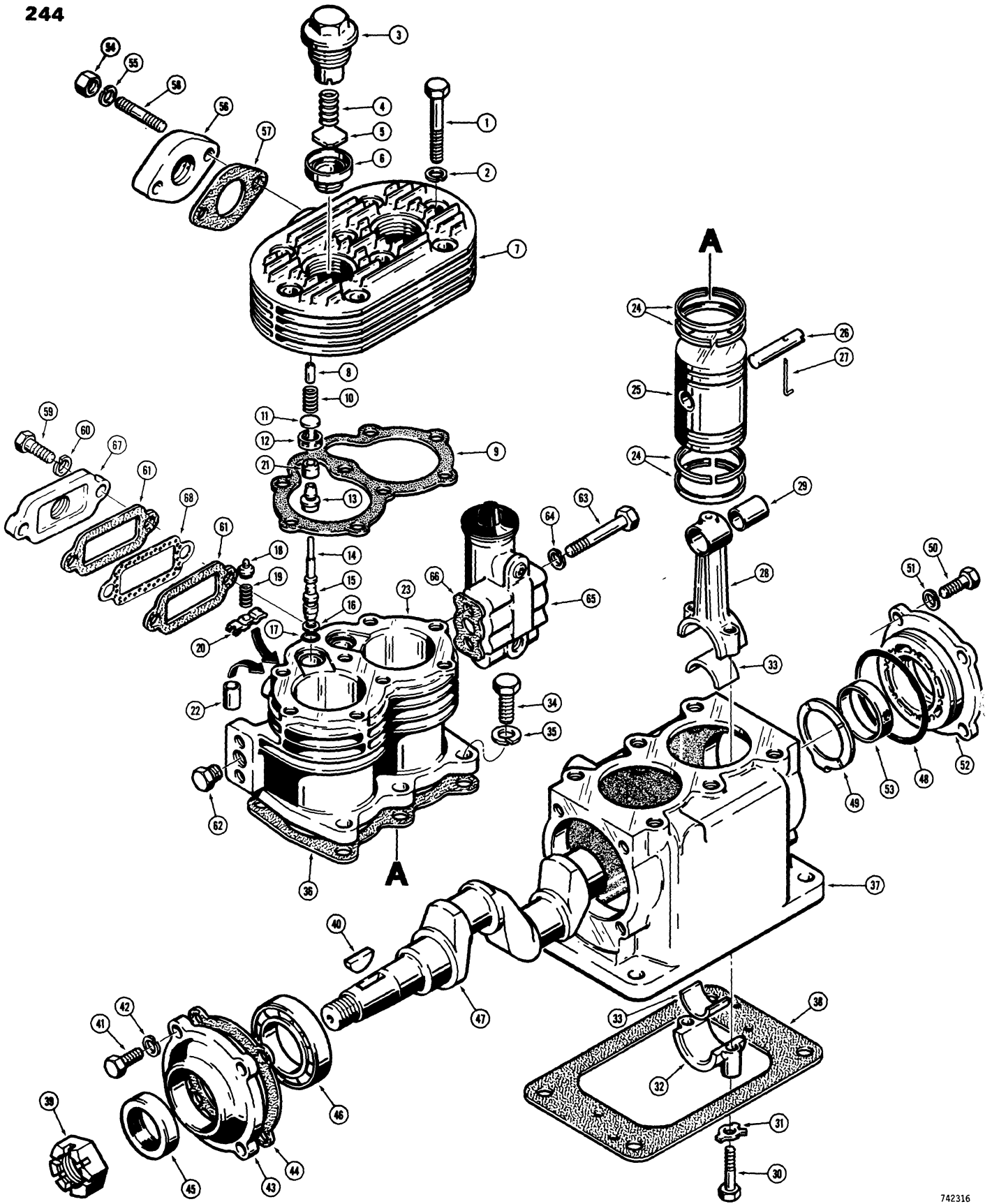
REF.	PART NO.	DESCRIPTION	REQ'D.
	L 32582	RING SET - piston, .020" (0.508 mm) oversize, Color - blue ...	1
	L 32583	RING SET - piston, .030" (0.762 mm) oversize, Color - green ..	1
29	NSS	RING - piston	6
	L 32569	ROD ASSEMBLY - connecting	2
30	NSS	ROD - connecting	1
31	NSS	CAP - connecting rod	1
32	L 32579	STRAP - locking	1
33	L 32589	BOLT - special	2
34	13- 516	HHCS - 5/16" - 18 NC x 1"	4
35	192- 110	WASHER - lock 5/16"	4
36	L 32516	GASKET - cylinder block to crankcase	1
37	L 32515	CRANKCASE - air compressor	1
38	25- 2312	NUT - hex., slotted, 3/4" - 16 NF	1
39	L 31458	BOLT - special, front cover mounting	4
40	92- 4	WASHER - lock, 1/4"	4
41	L 32529	COVER - front	1
42	L 32528	GASKET - front cover	1
43	L 32530	SEAL - oil, front crankcase	1
44	A 8218	RING - retaining	1
45	L 32527	BEARING - ball	1
46	126- 213	KEY - Woodruff, special	1
47	L 32526	CRANKSHAFT - air compressor	1
48	163- 11	BOLT - hex., special	4
49	192- 18	WASHER - lock, #10, plated	4
50	L 32532	COVER - rear, crankcase	1
51	L 32531	GASKET - rear cover	1
52	L 31458	BOLT - special, inlet adapter mounting	2
53	92- 4	WASHER - lock, 1/4"	2
54	L 32586	ADAPTER - special, inlet	1
55	L 32585	GASKET - inlet adapter	1
56	113- 119	HHCS - 5/16" - 18 NC x 2-3/4"	2
57	L 32563	GOVERNOR ASSEMBLY - air compressor, see page 249	1
58	L 35410	BRACKET - governor mounting	1
59	192- 110	WASHER - lock, 5/16"	2
60	129- 142	NUT - hex., lock, 5/16" - 18 NC	2
	222- 617	FITTING ASSEMBLY - at governor	1
61	NSS	BODY - fitting	1
62	222- 102	SLEEVE - fitting	1
63	222- 112	NUT - fitting	1
64	L 35411	TUBE - copper, 1/4" (6 mm) dia., compressor to governor	1
	222- 618	FITTING ASSEMBLY - at compressor	1
65	222- 112	NUT - fitting	1
66	222- 102	SLEEVE - fitting	1
67	NSS	BODY - fitting	1



BRAKE SYSTEM
L79808 ANDL73296 AIR COMPRESSOR
(TU-FLO 400)

REF.	PART NO.	DESCRIPTION	REQ'D
	L 73296	COMPRESSOR -air, tractor sn. 9121647 thru 9127879	1
	L 79808	COMPRESSOR - air tractor sn. 9127879 and after	1
1	113- 110	HHCS - 5/16" - 18 NC x 2-1/4"	8
2	L 32917	WASHER - special	8
	L 32899	DISCHARGE VALVE AND HEAD ASSEMBLY - cylinder	1
3	L 32916	CAP - discharge valve	2
4	L 31451	SPRING - valve	2
5	L 32915	VALVE - discharge	2
	NSS	HEAD ASSEMBLY - cylinder	1
6	L 32909	SEAT - discharge valve	2
7	NSS	HEAD - cylinder	1
8	L 32914	STOP - valve	2
9	L 32898	GASKET - head to cylinder block	1
10	L 31442	SPRING - inlet valve	2
11	L 31441	VALVE - inlet	2
12	L 31440	GUIDE - inlet valve	2
	L 32880	BLOCK ASSEMBLY - cylinder	1
13	L 31409	GUIDE - plunger	2
14	L 31408	PLUNGER - unloader	2
	L 31404	PISTON ASSEMBLY - unloader	2
15	NSS	PISTON - unloader	1
16	L 31406	RING - backup, unloader piston seal	1
17	L 31407	O-RING - unloader piston	1
18	L 31412	SEAT - spring, unloader	1
19	L 31413	SPRING - unloader	1
20	L 32885	SADDLE - spring, unloader	1
	L 32881	BLOCK - cylinder	1
21	L 39948	SEAT - inlet valve	2
22	L 33174	BUSHING - cylinder block	2
23	NSS	BODY - cylinder	1
24	L 32910	RING - piston, standard, 2.0625" (52.387 mm)	6-8
24	L 32911	RING - piston, oversize, 2.0725" (52.641 mm)	6-8
24	L 32912	RING - piston, oversize, 2.0825" (52.895 mm)	6-8
24	L 32913	RING - piston, oversize, 2.0925" (53.149 mm)	6-8
	L 32904	PISTON ASSEMBLY - standard, L73296 compressor	2
	D 80617	PISTON ASSEMBLY - standard, L79808 compressor	2
	L 32905	PISTON ASSEMBLY - .010" (0.254 mm) oversize, L73296 compressor ..	2
	D 80618	PISTON AND ASSEMBLY - 0.010" (0.254 mm) oversize, L79808 compressor	2
	L 32906	PISTON ASSEMBLY - .020" (0.508 mm) oversize, L73296 compressor ..	2
	D 80619	PISTON ASSEMBLY - .020" (0.508 mm) oversize, L79808 compressor ..	2
	L 32907	PISTON ASSEMBLY - .030" (0.762 mm) oversize, L73296 compressor ..	2
	D 80620	PISTON ASSEMBLY - .030" (0.762 mm) oversize, L79808 compressor ..	2
25	NSS	PISTON - air compressor	1
26	NSS	WRIST PIN - piston	1
27	L 31437	LOCK WIRE - wrist pin	2

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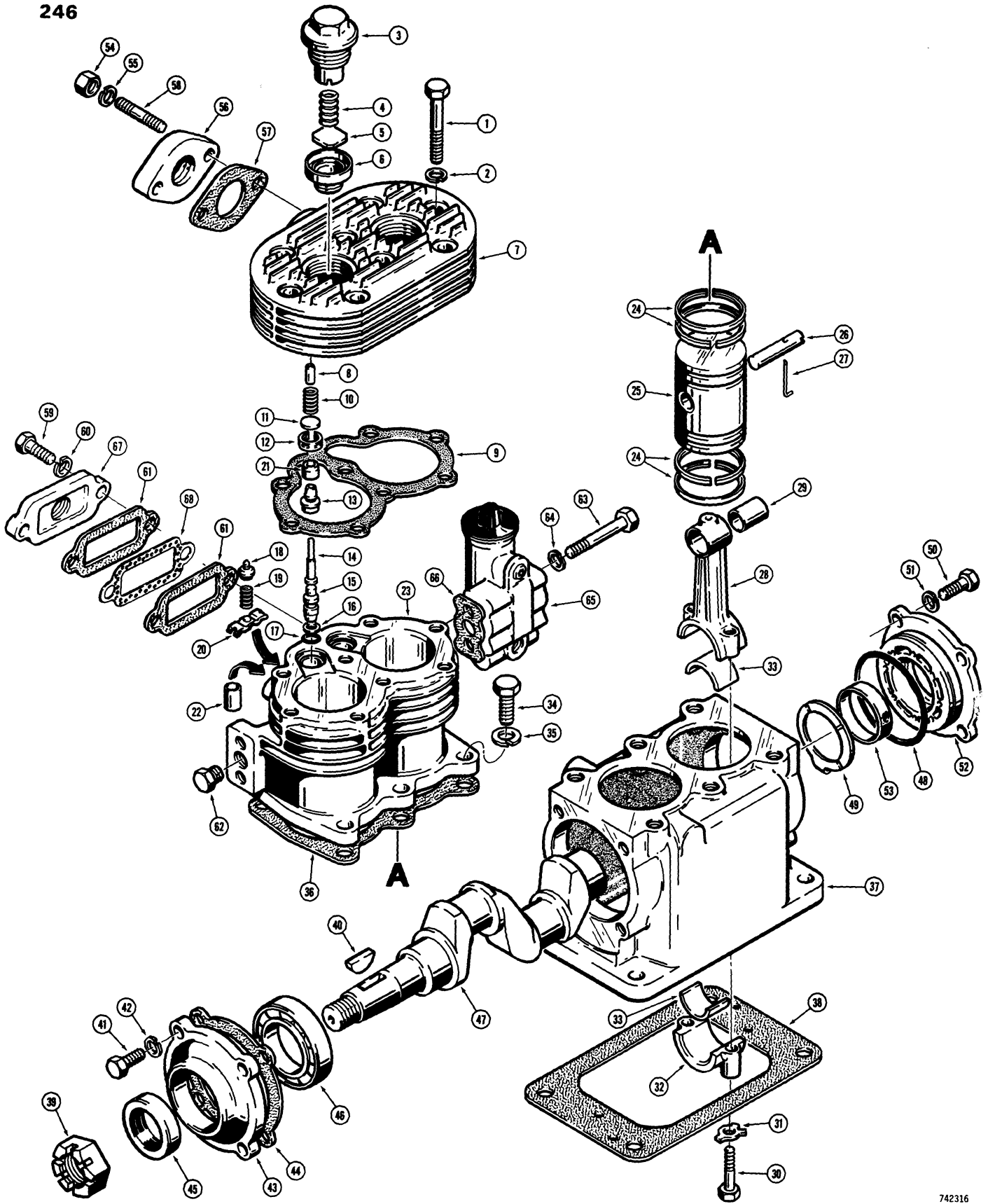


**BRAKE SYSTEM
L79808 ANDL73296 AIR COMPRESSOR
(TU-FLO 400)**

REF.	PART NO.	DESCRIPTION	REQ'D
	L 79808	COMPRESSOR - air, tractor sn. 9127879 and after	1
	L 73296	COMPRESSOR - air, tractor sn. 9121647 thru 9127879	1
	L 32894	ROD ASSEMBLY - connecting, standard, 1.253" (31.825 mm)	2
	L 32895	ROD ASSEMBLY - connecting, undersize, 1.1153" (28,328 mm)	2
	L 32896	ROD ASSEMBLY - connecting, undersize, 1.1053" (28.074 mm)	2
	L 32897	ROD ASSEMBLY - connecting, undersize, 1.0953" (27.820 mm)	2
28	NSS	ROD - connecting	1
29	NSS	BUSHING - wrist pin	1
30	L 31427	BOLT - special, connecting rod	2
31	L 31426	WASHER - special, connecting rod	2
32	NSS	CAP - rod	1
33	L 33720	INSERT KIT - bearing, L32894 rod, .05210" to .05185" (1.323 to 1.316 mm) thick	1
33	L 33721	INSERT KIT - bearing, L32895 rod, .05710" to .05685" (1.450 to 1.443 mm) thick	1
33	L 33722	INSERT KIT - bearing, L32896 rod, .06210" to .06185" (1.577 to 1.570 mm) thick	1
33	L 33723	INSERT KIT - bearing, L32897 rod, .06710" to .06685" (1.704 to 1.697 mm) thick	1
34	113- 288	HHCS - 3/8" - 16 NC x 7/8"	6
35	92- 6	WASHER - lock, 3/8"	6
36	L 32879	GASKET - cylinder block to crankcase, L73296 compressor	1
36	D 80609	GASKET - cylinder block to crankcase, L79808 compressor	1
37	L 32878	CRANKCASE - air compressor, L73296 compressor	1
37	D 80611	CRANKCASE - air compressor, L79808 compressor	1
38	L 32918	GASKET - flange, L73296 compressor	1
38	D 80610	GASKET - flange, L79808 compressor	1
39	25- 2312	NUT - crankshaft, 3/4" - 16 NF	1
40	126- 216	KEY - Woodruff, special	1
41	13- 514	HHCS - 5/16" - 18 NC x 7/8"	4
42	192- 110	WASHER - lock, 5/16"	4
43	L 32889	COVER - end, front	1
44	L 32888	GASKET - cover, front end	1
45	A 50423	SEAL - oil, front cover	1
46	L 32887	BEARING - ball	1
47	L 32886	CRANKSHAFT - air compressor	1
48	A 57116	O-RING - rear cover	1
49	L 31414	WASHER - thrust, crankshaft	1
50	13- 512	HHCS - 5/16" - 18 NC x 3/4"	4
51	192- 110	WASHER - lock, 5/16"	4

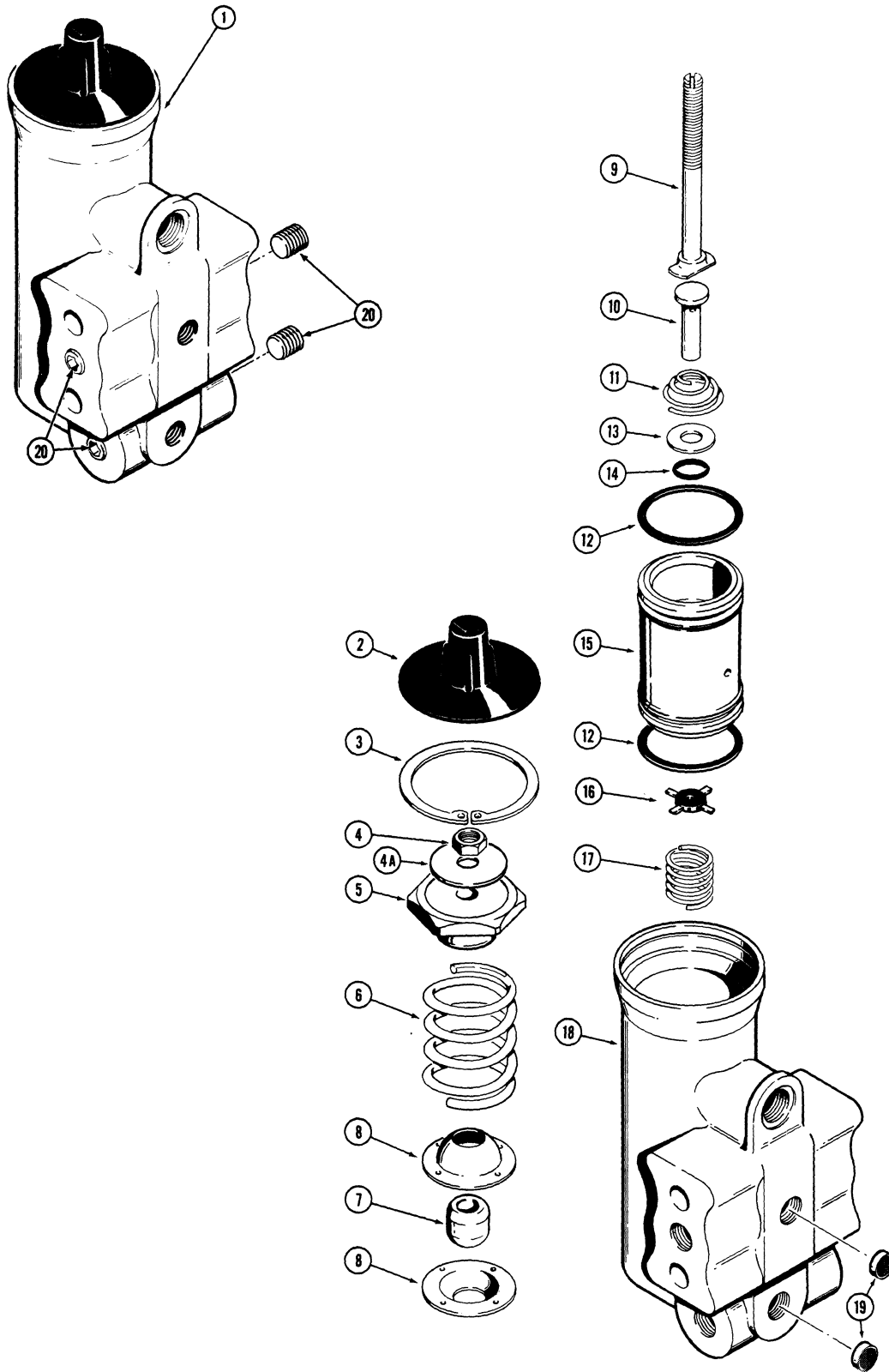
NOTE: Each insert bearing kit contains two inserts.

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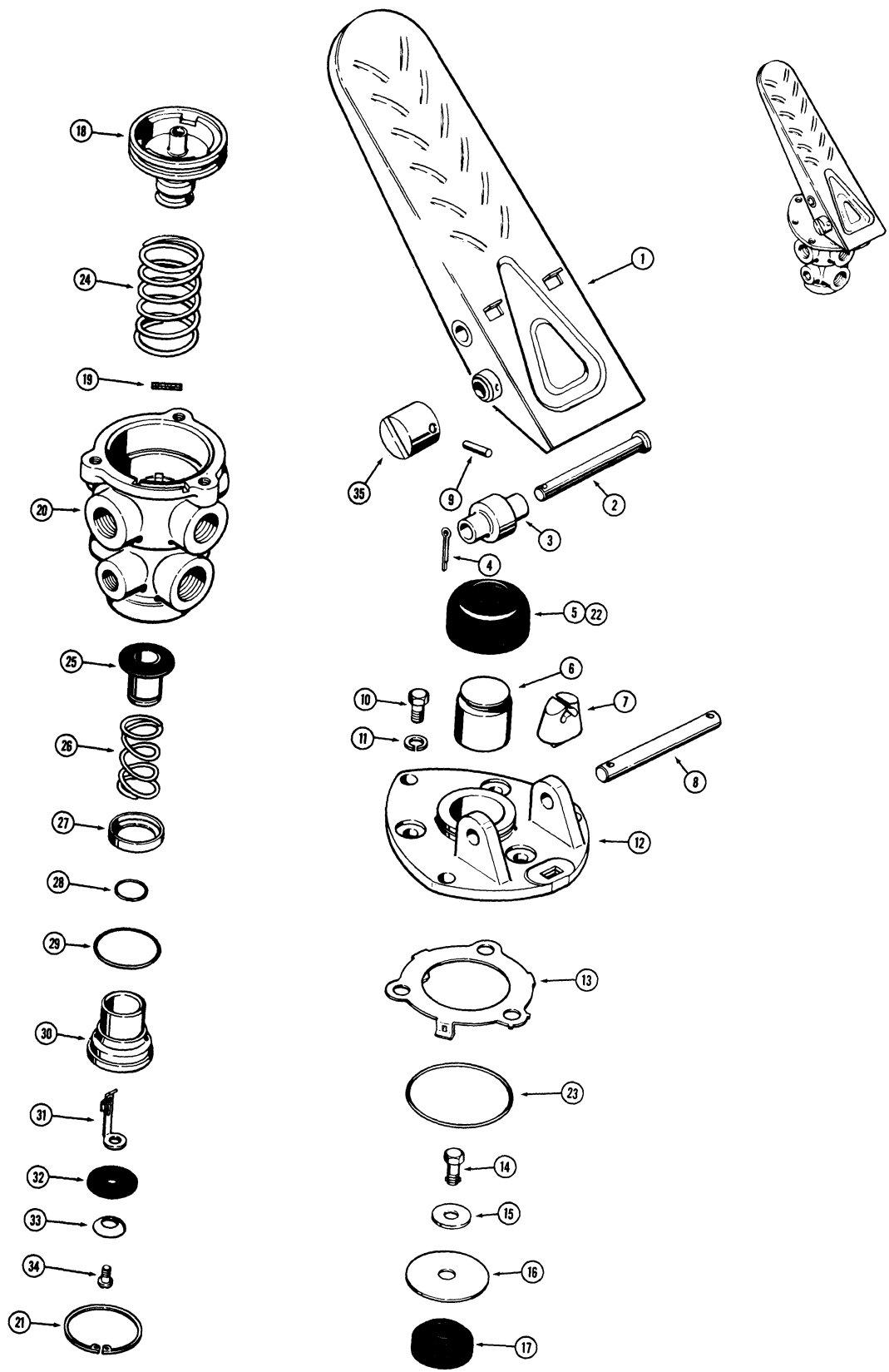
**BRAKE SYSTEM
L79808 ANDL73296 AIR COMPRESSOR
(TU-FLO 400)**

REF.	PART NO.	DESCRIPTION	REQ'D
	L 79808	COMPRESSOR - air, tractor sn. 9127879 and after	1
	L 73296	COMPRESSOR - air, tractor sn. 9121647 thru 9127879	1
52	L 32890	COVER - rear, crankcase, 1.381" (35.07 mm) I.D. bushing, L73296 compressor	1
52	D 80612	COVER - rear, crankcase, 1.381" (35.07 mm) I.D. bushing, L79808 compressor	1
53	L 32824	BUSHING - crankshaft, 1.381" (35.07 mm) I.D.	1
52	L 32891	COVER - rear, crankcase, 1.371" (34.82 mm) I.D. bushing, L73296 compressor	1
52	D 80613	COVER - rear, crankcase, 1.371" (34.82 mm) I.D. bushing, L79808 compressor	1
53	L 32825	BUSHING - crankshaft, 1.371" (34.82 mm) I.D.	1
52	L 32892	COVER - rear, crankcase, 1.361" (34.56 mm) I.D. bushing, L73296 compressor	1
52	D 80614	COVER - rear, crankcase, 1.361" (34.56 mm) I.D. bushing, L79808 compressor	1
53	L 32826	BUSHING - crankshaft, 1.361" (34.56 mm) I.D.	1
52	L 32893	COVER - rear crankcase, 1.351" (34.31 mm) I.D. bushing, L73296 compressor	1
52	D 80615	COVER - rear crankcase, 1.351" (34.31 mm) I.D. bushing, L79808 compressor	1
53	L 32827	BUSHING - crankshaft, 1.351" (34.31 mm) I.D.	1
54	25- 115	NUT - hex, 5/16" - 24 NF	2
55	192- 110	WASHER - lock, 5/16"	2
56	L 13524	FITTING - discharge	1
57	L 31456	GASKET - discharge fitting	1
58	D 66472	STUD - discharge fitting	2
58A	13- 516	HHCS - 5/16" - 18 NC x 1", used on some models in place of items 54 and 58, not shown	1
59	113- 149	HHCS - 5/16" - 18 NC x 7/8"	2
60	192- 110	WASHER - lock, 5/16"	2
61	L 31457	GASKET - strainer	2
62	221- 1662	PLUG - pipe, hex head, 1/4" NPT	1
63	113- 142	HHCS - 5/16" - 18 NC x 2-7/8", governor mounting	2
64	192- 110	WASHER - lock, 5/16"	2
65	REF.	GOVERNOR ASSEMBLY - compressor, parts list page 249	1
66	L 13526	GASKET - governor mounting	1
67	L 32921	FITTING - inlet	1
68	L 32920	PLATE - strainer	1



**BRAKE SYSTEM
AIR COMPRESSOR GOVERNOR**

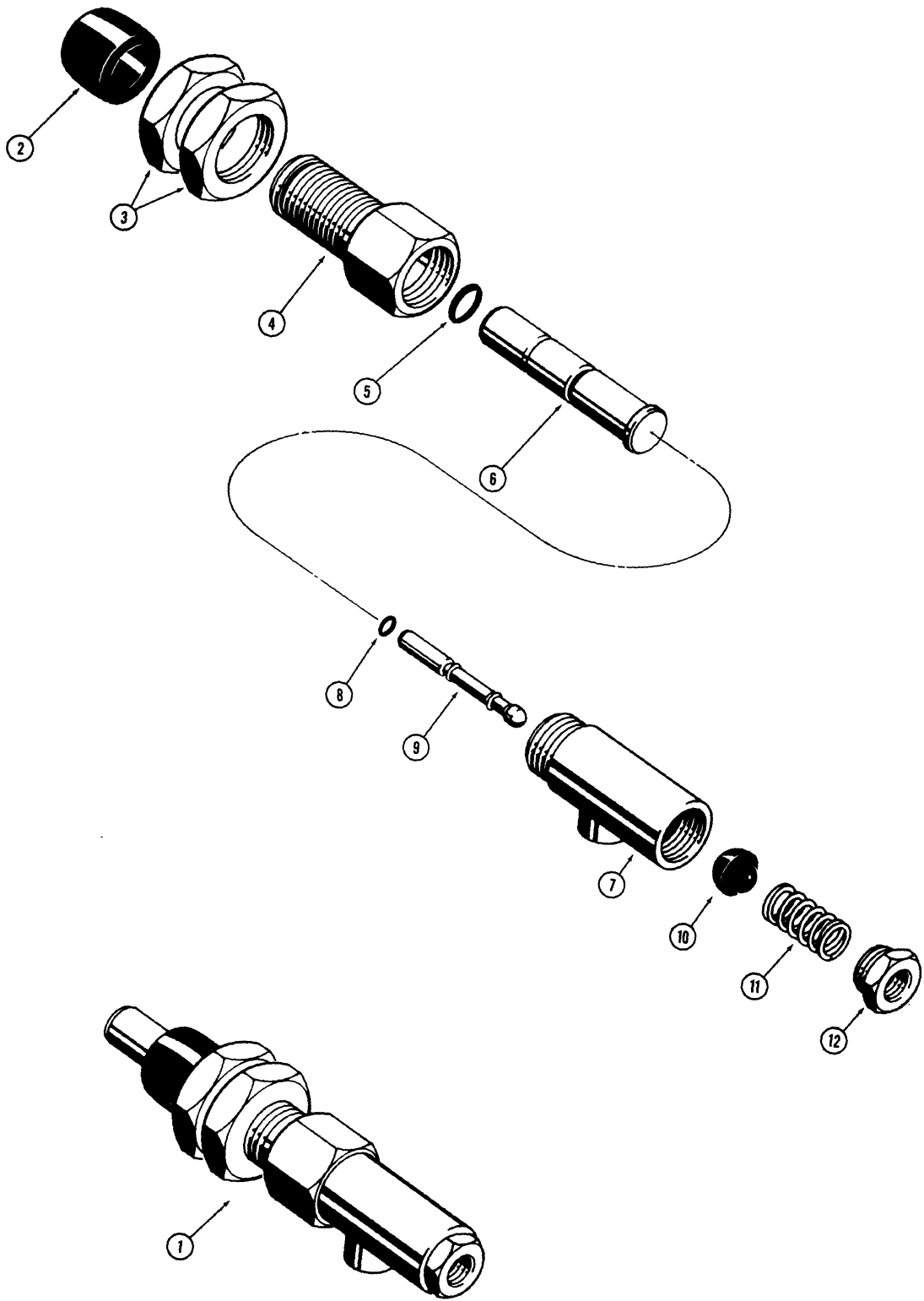
REF.	PART NO.	DESCRIPTION	REQ'D
1	L 32563	GOVERNOR - air compressor, TU-FLO-300 compressor, before tractor sn. 9118505	1
1	D 72831	GOVERNOR - air compressor, TU-FLO-300 compressor, tractor sn. 9118505 and after and service replacement for prior models ..	1
1	D 66474	GOVERNOR - air compressor, TU-FLO-400 compressor, before tractor sn. 9127879	1
1	D 82776	GOVERNOR - air compressor, TO-FLO-400 compressor, tractor sn. 9127879 and after	1
2	*NSS	COVER - top, governor	1
3	T 28550	RING - retaining	1
	L 31533	ADJUSTING ASSEMBLY - governor	1
4	25- 104	NUT - hex, 1/4" - 20 NC	1
4A	NSS	WASHER - special	1
5	NSS	SEAT - spring, upper	1
6	NSS	SPRING - tension	1
7	NSS	GUIDE - adjusting spring	1
8	NSS	SEAT - spring, lower	2
9	NSS	SCREW - special, adjusting	1
10	L 31532	STEM - exhaust	1
11	L 31531	SPRING - stem, exhaust	1
12	*L 31499	O-RING - piston	2
	L 31528	PISTON ASSEMBLY - governor	1
13	L 31541	WASHER - special	1
14	*L 31540	O-RING - piston	1
15	NSS	PISTON - governor	1
16	*L 31529	VALVE - inlet and exhaust	1
17	*L 31530	SPRING - valve, inlet and exhaust	1
18	L 31527	BODY - governor	1
19	NSS	FILTER - inlet and outlet ports	2
20	221- 1849	PLUG - hex, socket head, 1/8" NPT	4
	*L 31808	KIT - governor repair, includes items preceded by an asterisk	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 251

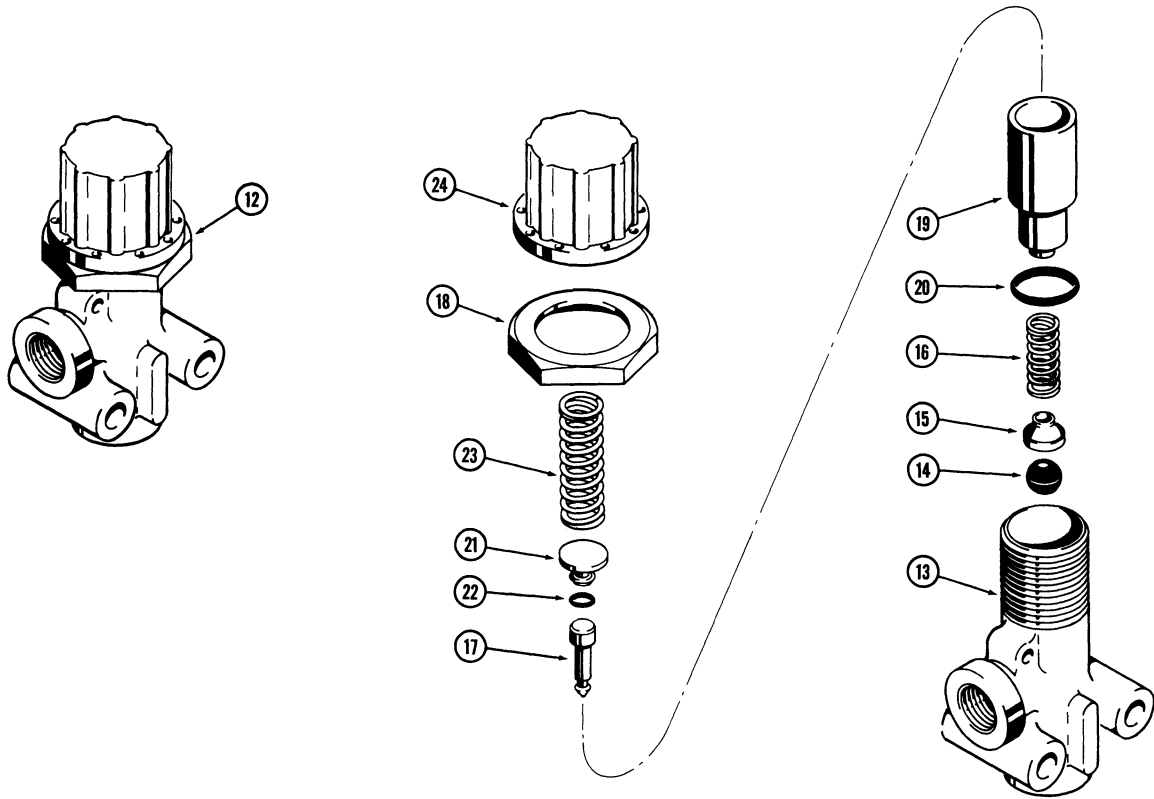
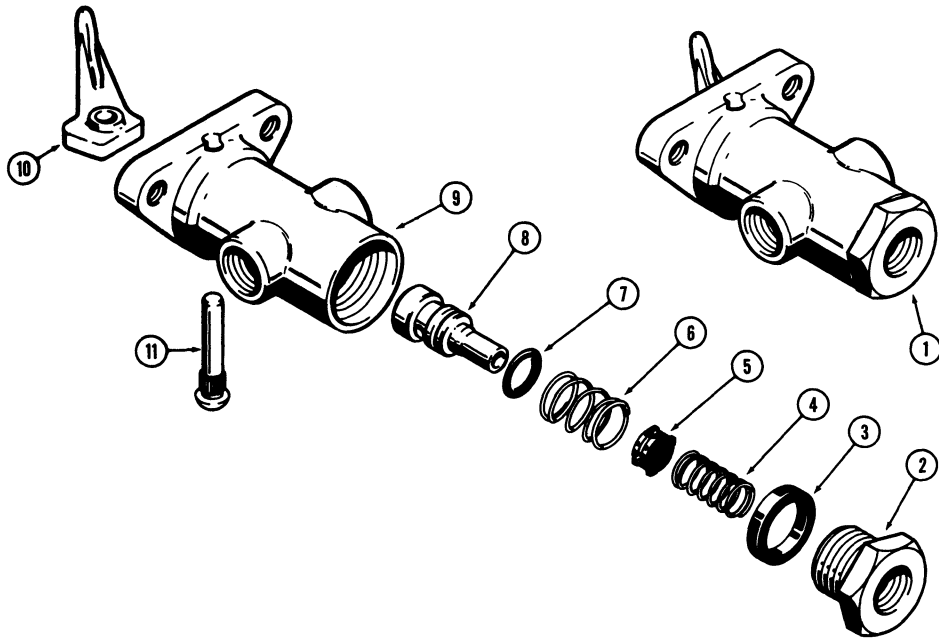
**BRAKE SYSTEM
L53600 AND L53601 TREADLE AND BRAKE VALVES**

REF.	PART NO.	DESCRIPTION	REQ'D.
L	53600	TREADLE AND VALVE ASSEMBLY - brake, L.H., before tractor sn. 9118497	1
L	53601	TREADLE AND VALVE ASSEMBLY - brake, R.H., before tractor sn. 9118497	1
L	71274	TREADLE AND VALVE ASSEMBLY - brake, R.H., tractor sn. 9118497 and after, order L73042 treadle for service	1
L	71275	TREADLE AND VALVE ASSEMBLY - brake, L.H., tractor sn. 9118497 and after, order L73042 treadle	1
L	73042	TREADLE AND VALVE ASSEMBLY - brake, R.H. and L.H.	2
1 L	32927	TREADLE - brake valve, also order L53639 boss for service of L53600 or L53601 only	1
1 D	73635	TREADLE - brake valve, used with L73042 treadle only	1
2 L	31367	PIN - roller, treadle valve	1
3 L	32676	ROLLER - treadle valve	1
4 132-	26	PIN - cotter, 3/32" x 3/4"	1
5 L	31364	COVER - treadle, brake (Included in L31806 repair kit)	1
6 L	32925	PLUNGER - treadle, brake	1
7 L	31362	BUTTON - stop, treadle	1
8 L	31465	PIN - fulcrum, treadle	1
9 138-	59	PIN - roll, fulcrum pin	1
10 13-	512	HHCS - 5/16" - 18 NC x 3/4"	3
11 92-	5	WASHER - lock, 5/16"	3
12 L	32924	PLATE - mounting, brake treadle	1
L	31360	VALVE ASSEMBLY - brake	1
13 L	31382	RETAINER - valve	1
L	31380	PISTON ASSEMBLY - valve	1
14 L	31384	BOLT - locking, special	1
15 L	31387	WASHER - compression, spring	1
16 L	31386	SEAT - spring, piston	1
17 L	31385	SPRING - rubber, piston	1
18 L	31383	PISTON - valve	1
19 L	31459	FILTER - vent	1
20	NSS	BODY - valve	1
21 D	27833	RING - retaining, washer	1
L	31806	KIT - repair, valve (also includes item 5 above)	1
23 L	31381	O-RING - piston	1
24 L	31379	SPRING - return, piston	1
	NSS	VALVE ASSEMBLY - inlet and exhaust	1
25 L	31375	VALVE - inlet and exhaust	1
26 L	31378	SPRING - valve	1
27 L	31376	RETAINER - valve	1
28 L	31377	O-RING - valve	1
29 L	31374	O-RING - exhaust check valve	1
30 L	31370	SEAT - check valve, exhaust	1
31 L	31371	SPRING - preload, inlet valve	1
32 L	31372	DIAPHRAGM - valve	1
33 L	31373	WASHER - diaphragm, valve	1
34 182-	84	SCREW - machine, slotted head, #8 - 32 NC x 3/8"	1
35 L	53639	BOSS - slotted, treadle locking, if used	1



**BRAKE SYSTEM
L14818 CLUTCH CUTOUT VALVE**

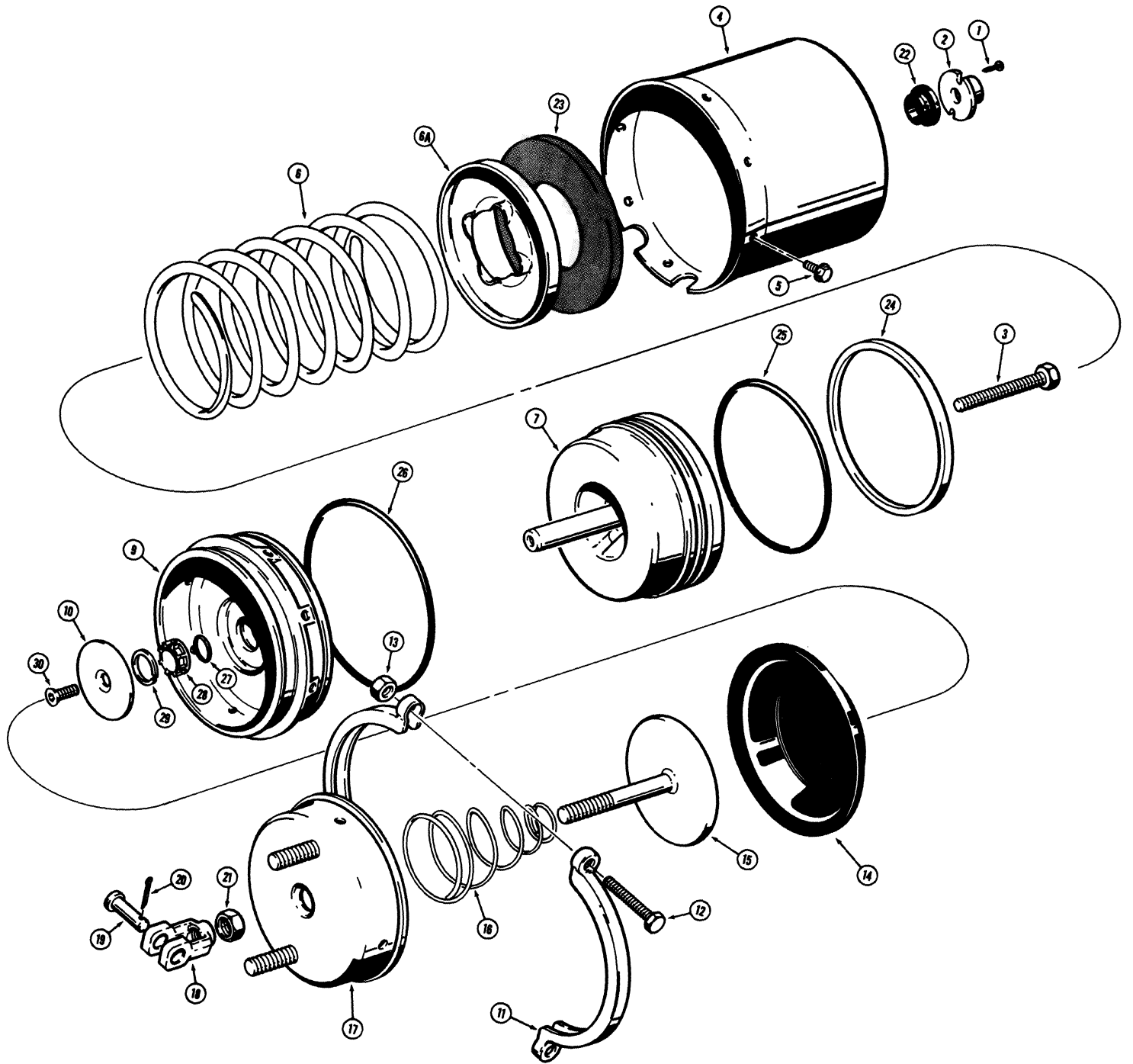
REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 14818	VALVE - clutch cutout	1
2	L 32338	BOOT - valve, brake control	1
3	129- 574	NUT - hex., 3/4" - 16 NC	2
4	L 32337	ADAPTER - valve, brake control	1
5	L 32336	O-RING - plunger, large	1
6	L 32335	PLUNGER - valve, brake control	1
7	NSS	BODY - valve, brake control	1
8	L 31798	O-RING - stem, small	1
9	L 32332	STEM - valve, brake control	1
10	L 31354	POPPET - air intake	1
11	L 32333	SPRING - valve, brake control	1
12	L 32334	ADAPTER - air intake	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 255

BRAKE SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D.
L12630 CLUTCH CUTOUT VALVE			
1	L 12630	VALVE ASSEMBLY - clutch control	1
2	L 31396	CAP NUT - clutch control valve	1
3	L 31397	RING - seal, cap nut	1
4	L 31391	SPRING - return, plunger	1
5	L 31394	VALVE - control	1
6	L 31395	SPRING - control valve	1
7	L 31390	O-RING - valve plunger	1
8	L 31389	PLUNGER - valve, clutch control	1
9	NSS	BODY - valve, clutch control	1
10	L 31392	LEVER - clutch control valve	1
11	L 31393	RIVET - clutch control valve	1
L13530 PRESSURE PROTECTION VALVE			
12	L 13530	VALVE ASSEMBLY - pressure protection	1
13	NSS	BODY - valve	1
14	L 31802	VALVE - inlet	1
15	NSS	RETAINER - valve	1
16	L 31800	SPRING - inlet valve	1
17	NSS	STEM - valve	1
18	131- 414	PALNUT - hex., lock, 7/8" - 14 NF	1
19	NSS	PISTON - valve	1
20	L 31797	O-RING - piston	1
21	NSS	PLUG - valve	1
22	L 31798	O-RING - plug	1
23	NSS	SPRING - pressure regulating	1
24	L 33316	END CAP - adjusting	1

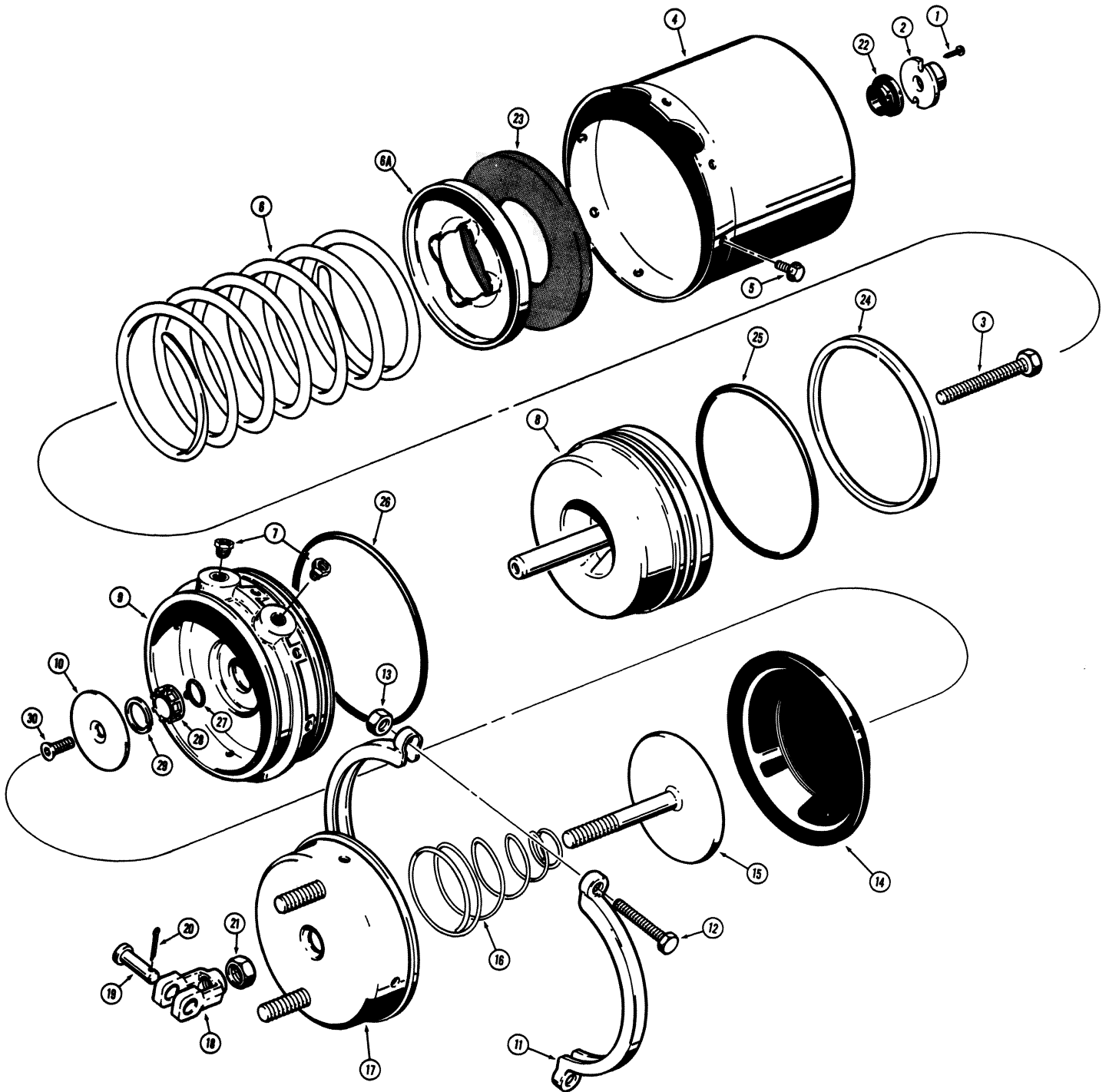


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 257

**BRAKE SYSTEM
*L54297 BRAKE CHAMBER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 54297	CHAMBER ASSEMBLY - brake	2
1	187- 835	SCREW - self-tapping, #10 - 32 NC x 5/8"	2
2	L 35621	WASHER - stop	1
3	113- 330	HHCS - 7/16" - 14 NC x 3-3/4"	1
4	L 35624	CYLINDER - brake chamber	1
5	121- 123	BOLT - flange head type	8
6	L 35620	SPRING - brake chamber	1
6A	L 35623	LOCATOR - spring	1
8		RESERVED	
9	L 35625	BULKHEAD - brake chamber	1
10	L 35609	FOLLOWER - piston rod	1
	L 35605	CLAMP ASSEMBLY - brake chamber	1
11	NSS	CLAMP - brake chamber	2
12	114- 213	HHCS - 3/8" - 24 NF x 2-1/4"	2
13	25- 176	NUT - hex., heavy, 3/8" - 24 NF	2
14	L 35610	DIAPHRAGM - brake chamber	1
15	L 35626	PUSH ROD - brake chamber	1
16	L 35615	SCREW - return, push rod	1
17	L 35614	PLATE - non pressure	1
	L 35613	YOKE ASSEMBLY - brake connecting	1
18	NSS	YOKE - brake	1
19	L 33649	PIN - yoke	1
20	132- 310	PIN - cotter, 1/8" x 1"	1
21	129- 167	NUT - hex., lock, 5/8" - 18 NF	1
	L 35612	KIT - repair, brake chamber, contains components to service two complete chambers	1
22	L 35622	PLUG - snap	2
23	L 35618	FILTER - air	2
24	L 35606	RING - wiper, felt	2
25	T 29460	RING - piston seal	2
26	A 40052	SEAL - ring, bulkhead	2
27	F 62075	RING - seal, rod	2
28	L 35608	BUSHING - nylon, rod	2
29	A 36277	RING - retaining, nylon bushing	2
30	164- 99	SCREW - machine, hex. socket head, 5/16" - 18 NC x 5/8" ..	2
31	NSS	LUBRICANT - TR3, 8 oz. (236.5 ml) tube, not shown	1

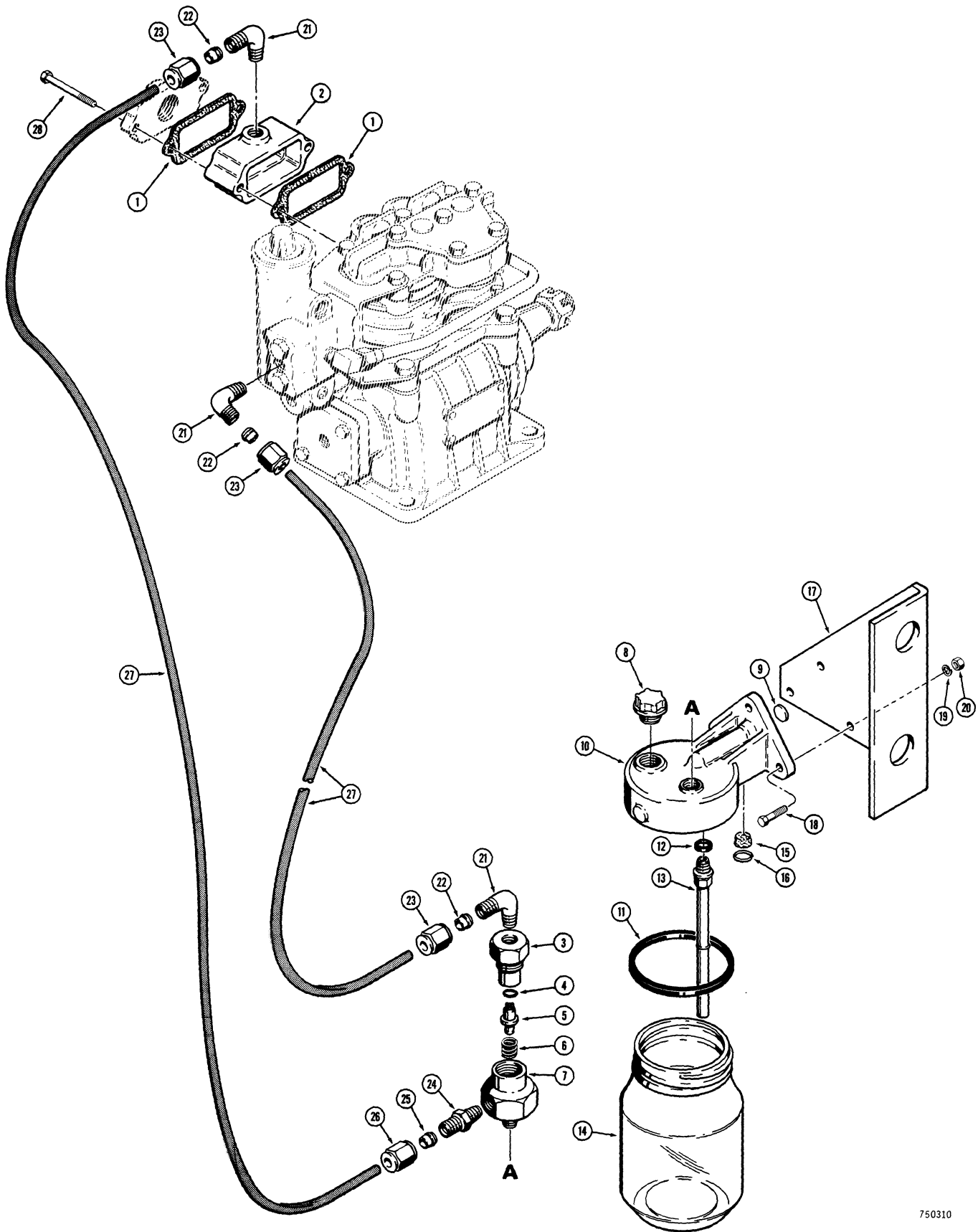
*NOTE: Used on models before tractor Sn. 9118416 and on 9118417, 9118420 thru 9118474 and 9118478 thru 9118482.



**BRAKE SYSTEM
*L73081 BRAKE CHAMBER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 73081	CHAMBER ASSEMBLY - brake	2
1	187- 835	SCREW - self-tapping, #10 - 32 NC x 5/8"	2
2	L 35621	WASHER - stop	1
3	113- 330	HHCS - 7/16" - 14 NC x 3-3/4"	1
4	D 72838	CYLINDER - brake chamber	1
5	121- 124	BOLT - flange head type	8
6	L 35620	SPRING - brake chamber	1
6A	L 35623	LOCATOR - spring	1
7	221- 86	FITTING - 3/8" to 1/4"	2
8	D 72839	PISTON ASSEMBLY - brake	1
9	D 72840	BULKHEAD - brake chamber	1
10	L 35609	FOLLOWER - piston rod	1
	L 35605	CLAMP ASSEMBLY - brake chamber	1
11	NSS	CLAMP - brake chamber	2
12	114- 213	HHCS - 3/8" - 24 NF x 2-1/4"	2
13	25- 176	NUT - hex., heavy, 3/8" - 24 NF	2
14	L 35610	DIAPHRAGM - brake chamber	1
15	L 35626	PUSH ROD - brake chamber	1
16	L 35615	SCREW - return, push rod	1
17	L 35614	PLATE - non pressure	1
	L 35613	YOKE ASSEMBLY - brake connecting	1
18	NSS	YOKE - brake	1
19	L 33649	PIN - yoke	1
20	132- 310	PIN - cotter, 1/8" x 1"	1
21	129- 167	NUT - hex., lock, 5/8" - 18 NF	1
	L 35612	KIT - repair, brake chamber, contains components to service two complete chambers	1
22	L 35622	PLUG - snap	2
23	L 35618	FILTER - air	2
24	L 35606	RING - wiper, felt	2
25	T 29460	RING - piston seal	2
26	A 40052	SEAL - ring, bulkhead	2
27	F 62075	RING - seal, rod	2
28	L 35608	BUSHING - nylon, rod	2
29	A 36277	RING - retaining, nylon bushing	2
30	164- 99	SCREW - machine, hex. socket head, 5/16" - 18 NC x 5/8"	2
31	NSS	LUBRICANT - TR3, 8 oz. (236.5 ml) tube, not shown	1

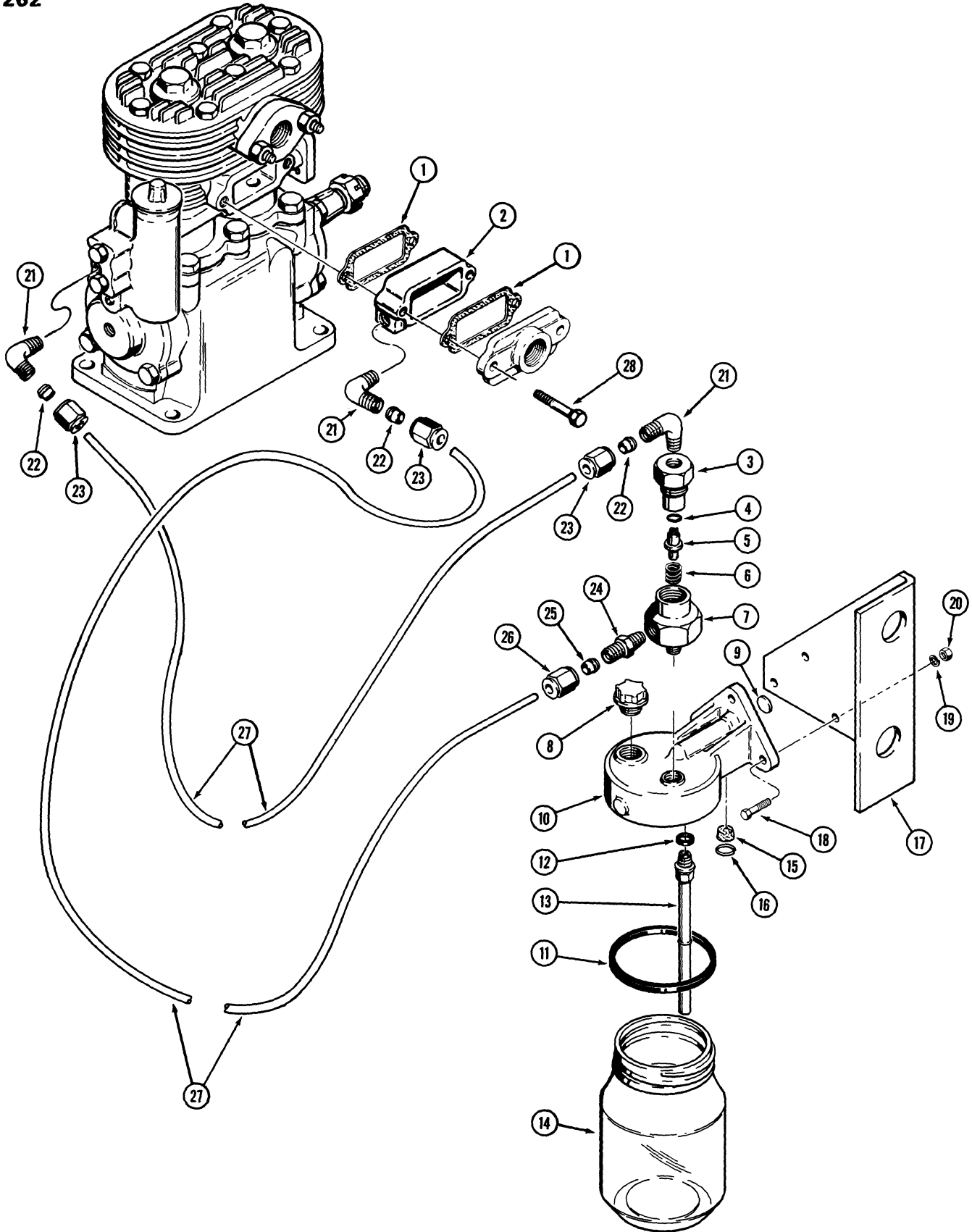
*NOTE: L73081 used after tractor Sn. 9118483 also used on 9118416, 9118418-9118419 and 9118475 thru 9118477.



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 261

**ALCOHOL EVAPORATOR
BEFORE TRACTOR SN 9121647**

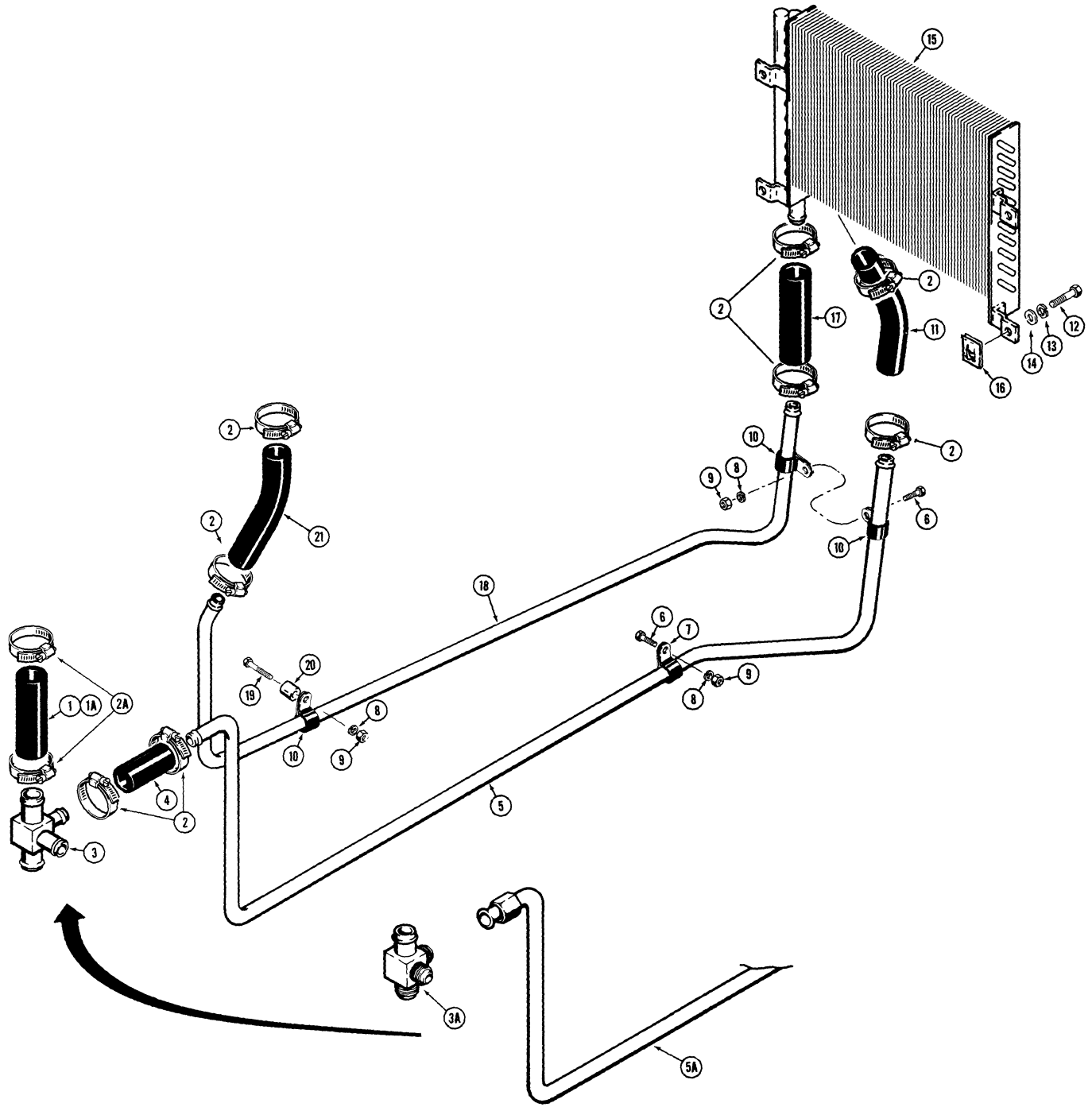
REF.	PART NO.	DESCRIPTION	REQ'D.
	L 71749	EVAPORATOR ASSEMBLY - alcohol	1
	L 46411	KIT - alcohol evaporator	1
1	L 35409	GASKET - adapter	2
2	L 35408	ADAPTER - compressor	1
	L 33157	VALVE ASSEMBLY - check, at evaporator	1
3	L 33162	NUT - cap	1
4	L 33161	GROMMET - valve	1
5	L 33160	VALVE - check	1
6	L 33159	SPRING - valve	1
7	NSS	HOUSING - valve	1
	L 33145	EVAPORATOR ASSEMBLY - alcohol	1
8	L 33151	PLUG - filler	1
9	41- 102	PLUG - expansion, steel, 1/2"	1
10	L 33146	BODY - alcohol evaporator	1
11	L 33153	GASKET - housing to jar	1
12	L 33156	RING - sealing, evaporator tube	1
13	L 33152	TUBE - evaporator	1
14	L 33154	JAR - alcohol evaporator, plastic	1
15	L 33150	FILTER - air intake	1
16	A 58439	RING - retaining, filter	1
17	L 71412	BRACKET - alcohol evaporator mounting	1
18	13- 412	HHCS - 1/4" - 20 NC x 3/4"	3
19	92- 4	WASHER - lock, 1/4"	3
20	25- 104	NUT - hex., 1/4" - 20 NC	3
	222- 5023	FITTING ASSEMBLY - 90°	3
21	NSS	BODY - fitting	1
22	222- 5047	SLEEVE - fitting	1
23	222- 5060	NUT - fitting	1
	222- 5002	FITTING ASSEMBLY - straight	1
24	NSS	BODY - fitting	1
25	222- 5047	SLEEVE - fitting	1
26	222- 5060	NUT - fitting	1
27	L 52494	TUBE - jar to compressor, 33" (838 mm) long	2
28	13- 428	HHCS - 1/4" - 20 NC x 1-3/4"	2



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 263

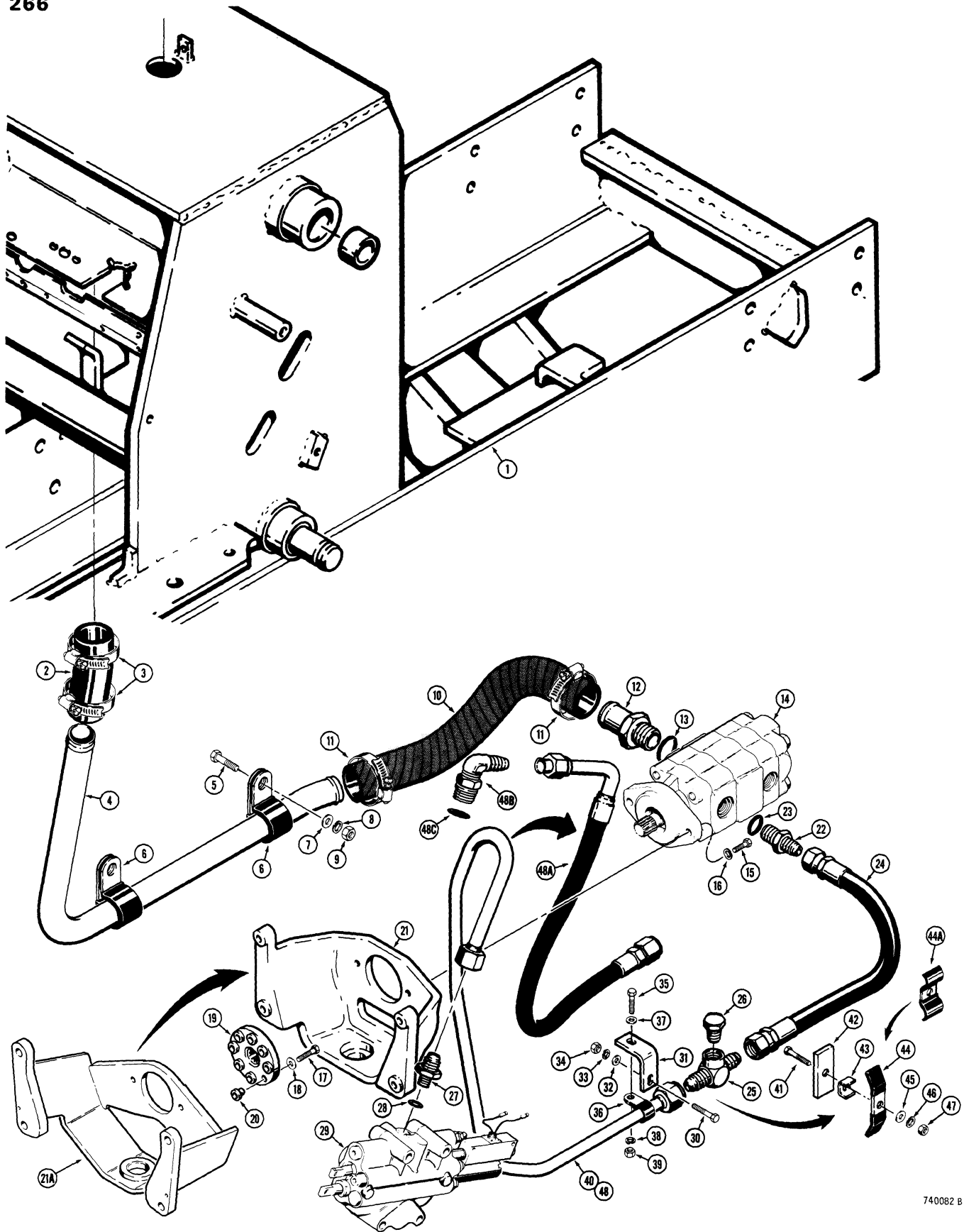
**ALCOHOL EVAPORATOR
TRACTOR SN 9121647 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 73277	EVAPORATOR ASSEMBLY - alcohol	1
	L 46372	KIT - alcohol evaporator	1
1	L 31457	GASKET - adapter	2
2	L 32930	ADAPTER - compressor	1
	L 33157	VALVE ASSEMBLY - check, at evaporator	1
3	L 33162	NUT - cap	1
4	L 33161	GROMMET - valve	1
5	L 33160	VALVE - check	1
6	L 33159	SPRING - valve	1
7	NSS	HOUSING - valve	1
	L 33145	EVAPORATOR ASSEMBLY - alcohol	1
8	L 33151	PLUG - filler	1
9	41- 102	PLUG - expansion, steel, 1/2"	1
10	L 33146	BODY - alcohol evaporator	1
11	L 33153	GASKET - housing to jar	1
12	L 33156	RING - sealing, evaporator tube	1
13	L 33152	TUBE - evaporator	1
14	L 33154	JAR - alcohol evaporator, plastic	1
15	L 33150	FILTER - air intake	1
16	A 58439	RING - retaining, filter	1
17	L 79058	BRACKET - alcohol evaporator mounting	1
18	13- 412	HHCS - 1/4" - 20 NC x 3/4"	3
19	92- 4	WASHER - lock, 1/4"	3
20	25- 104	NUT - hex., 1/4" - 20 NC	3
	222- 5023	FITTING ASSEMBLY - 90°	3
21	NSS	BODY - fitting	1
22	222- 5047	SLEEVE - fitting	1
23	222- 5060	NUT - fitting	1
	222- 5002	FITTING ASSEMBLY - straight	1
24	NSS	BODY - fitting	1
25	222- 5047	SLEEVE - fitting	1
26	222- 5060	NUT - fitting	1
27	L 52494	TUBE - jar to compressor, 33" (838 mm) long	2
28	13- 428	HHCS - 1/4" - 20 NC x 1-3/4"	2



EQUIPMENT HYDRAULIC CIRCUIT
OIL COOLER LINE

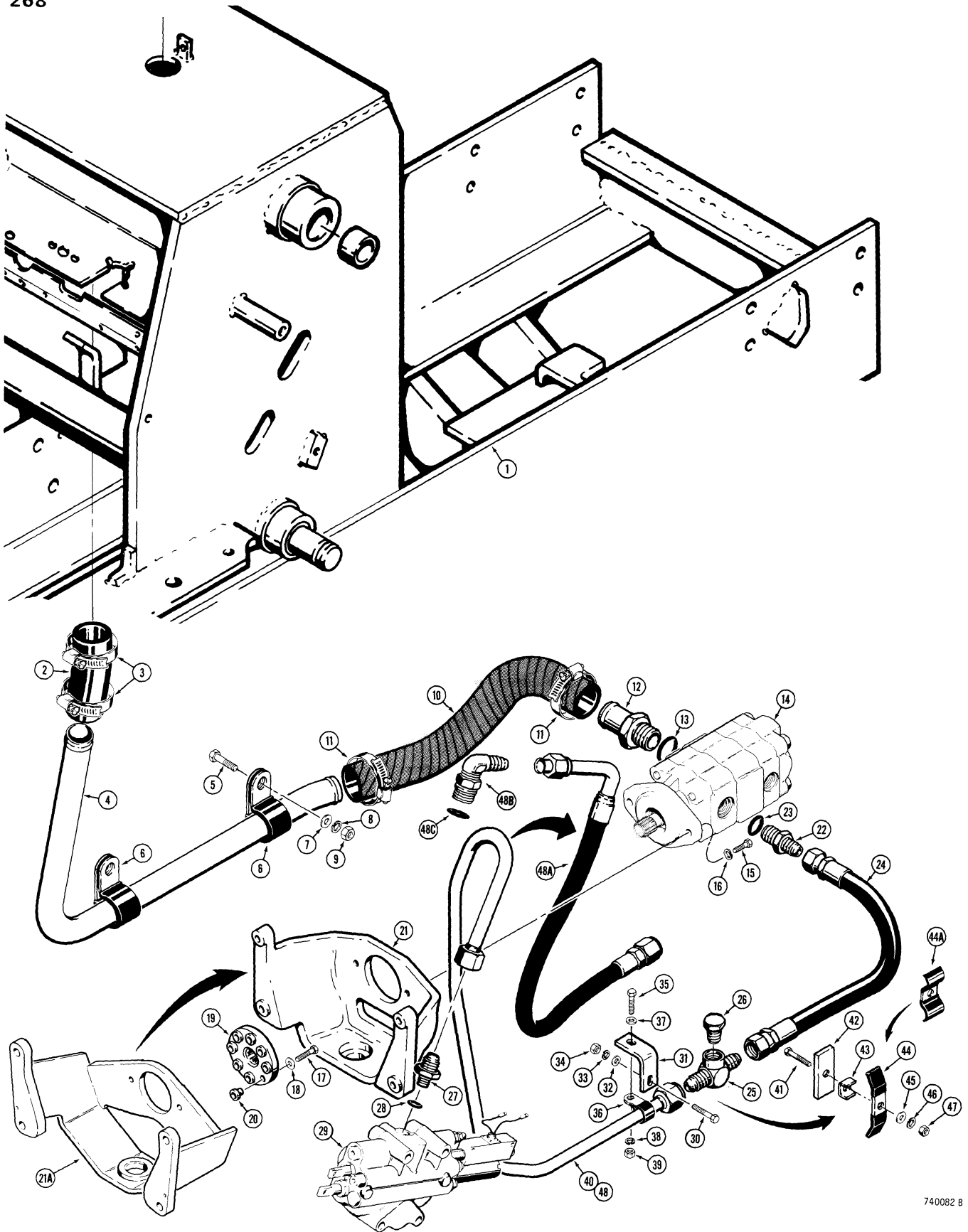
REF.	PART NO.	DESCRIPTION	REQ'D.
	REF.	TANK - hydraulic oil, see page 421 for complete chassis and related parts	1
1	L 55951	HOSE - return, hydraulic oil, 1-1/4" (32 mm) I.D. x 9" (229 mm) long, used before tractor sn. 9124781	1
1A	L 77084	HOSE - return, hydraulic oil, 1-1/4" (32 mm) I.D. x 11-1/2" (292 mm) long, used on tractor sn. 9124781 and after	1
2	214- 255	CLAMP - hose	6-8
2A	214- 257	CLAMP - hose	2
3	L 55399	BLOCK - junction, used before tractor sn. 9124781	1
3A	L 77083	BLOCK - junction, used on tractor sn. 9124781 and after	1
4	R 20804	HOSE - block to cooler tube, 3/4" (19 mm) I.D. x 3" (76 mm) long, if used	1
5	L 57656	TUBE - junction block to cooler, used before tractor sn. 9124781	1
5A	L 77086	TUBE - junction block to cooler, used on tractor sn. 9124781 and after	1
6	13- 616	HHCS - 3/8" - 16 NC x 1"	2
7	49799	CLAMP - oil cooler tubes	1
8	92- 6	WASHER - lock, 3/8"	3
9	25- 106	NUT - hex., 3/8" - 16 NC	3
10	49858	CLAMP - tube mounting	3
11	R 21518	HOSE - oil cooler, 3/4" (19 mm) I.D. x 12" (305 mm) long	1
12	14- 512	HHCS - 5/16" - 24 NF x 3/4"	4
13	92- 5	WASHER - lock, 5/16"	4
14	195- 21	WASHER - flat, 5/16"	4
15	L 43582	COOLER - hydraulic oil	1
16	131- 607	NUT - "J" type, 5/16" - 24 NF	4
17	D 95231	HOSE - oil cooler, 3/4" (19 mm) I.D. x 8" (203 mm) long	1
18	L 57652	TUBE - cooler to reservoir	1
19	13- 636	HHCS - 3/8" - 16 NC x 2-1/4"	1
20	A 19774	SPACER - tube clamp	1
21	L 13707	HOSE - return, cooler to reservoir, 3/4" (19 mm) I.D. x 5" (127 mm) long	1



**EQUIPMENT HYDRAULIC CIRCUIT
RESERVOIR TO LOADER VALVE**

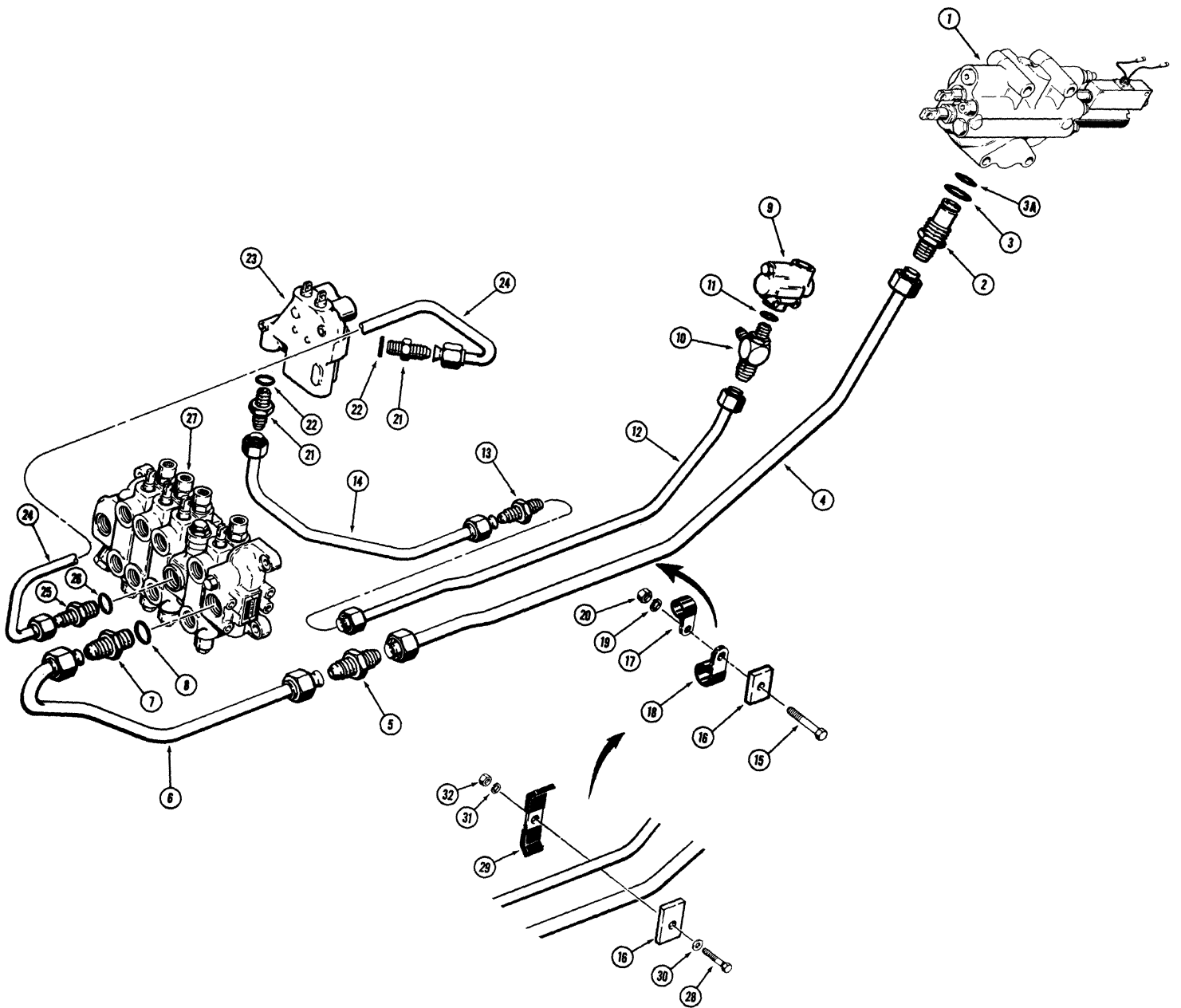
REF.	PART NO.	DESCRIPTION	REQ'D.
		USED ON ALL MODELS	
1	REF.	TANK - hydraulic oil reservoir, see page 423 for complete chassis	1
2	L 55950	HOSE - suction, at tank, 2" (51 mm) I.D. x 5" (127 mm) long	1
3	214- 260	CLAMP - hose	2
4	L 55826	TUBE - suction, rear	1
5	13- 824	HHCS - 1/2" - 13 NC x 1-1/2"	2
6	R 14097	CLAMP - tube to chassis	2
7	95- 8	WASHER - flat, 1/2"	2
8	92- 8	WASHER - lock, 1/2"	2
9	25- 108	NUT - hex., 1/2" - 13 NC	2
10	L 55953	HOSE - suction, at pump, 2" (51 mm) I.D. x 24" (610 mm) long ..	1
11	214- 351	CLAMP - hose	2
12	L 57792	FITTING - adapter, (At pump inlet)	1
13	218- 5012	O-RING - fitting	1
14	L 55247	PUMP - hydraulic, equipment, parts list page 335	1
15	13- 824	HHCS - 1/2" - 13 NC x 1-1/2"	2
16	92- 8	WASHER - lock, 1/2"	2
17	113- 2611	BOLT - special, coupling mounting	8
18	195- 29	WASHER - flat, 7/16"	8
	L 16692	COUPLING - pump to crankshaft pulley	1
19	NSS	HUB - splined	1
20	G 36905	BUSHING - hub	8
21	L 50435	BRACKET - pump and engine mounting, order L72189	1
21A	L 72189	BRACKET - pump and engine mounting	1
22	218- 5077	FITTING - straight, male	1
23	218- 5008	O-RING - fitting	1
24	L 55955	HOSE - pump to loader valve, 26-1/2" (673 mm) long	1
25	218- 583	FITTING - pressure check, loader valve	1
26	221- 655	PLUG - pressure check, 3/4" NPT	1
27	218- 5050	FITTING - male, straight	1
28	218- 5008	O-RING - fitting	1

Continued on next page



**EQUIPMENT HYDRAULIC CIRCUIT
RESERVOIR TO LOADER VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
USED ON ALL MODELS			
29	REF.	VALVE - hydraulic, loader control, see pages 299 and 301 for proper valve	1
USED WITH 90° CLAMP BRACKET			
30	13- 828	HHCS - 1/2" - 13 NC x 1-3/4"	1
31	L 55882	BRACKET - support, tube clamp	1
32	95- 8	WASHER - flat, 1/2"	1
33	92- 8	WASHER - lock, 1/2"	1
34	25- 108	NUT - hex., 1/2" - 13 NC	1
35	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	1
36	R 14668	CLAMP - tube	1
37	95- 6	WASHER - flat, 3/8"	1
38	92- 6	WASHER - lock, 3/8"	1
39	25- 106	NUT - hex., 3/8" - 16 NC	1
40	L 55800	TUBE - pressure, at loader valve	1
USED WITH FLAT CLAMP BLOCK			
41	13- 648	HHCS - 3/8" - 16 NC x 3"	1
41	13- 644	HHCS - 3/8" - 16 NC x 2-3/4", if used	1
42	D 37116	BLOCK - spacer, tube mounting	1
43	L 59801	CHANNEL - tube mounting, if used	1
44	L 17788	CLAMP - tube mounting	1
44A	L 78057	CLAMP - tube, not used with item 43, if used	1
45	95- 6	WASHER - flat, 3/8"	1
46	92- 6	WASHER - lock, 3/8"	1
47	25- 106	NUT - hex., 3/8" - 16 NC	1
48	L 70340	TUBE - pressure, at loader valve, used with 2 spool valve only, used before sn. 9124952	1
48	L 59816	TUBE - pressure at loader valve, used with 3 spool valve only, used before sn. 9125074	1
48	L 77020	TUBE - pressure, at loader valve, used with 2 spool valve only, used on sn. 9124952	1
48	L 77011	TUBE - pressure, at loader valve, used with 3 spool valve only, used on sn. 9125074	1
48A	L 71568	HOSE - pressure, at loader valve, used in place of tube on some models	1
	L 59126	CLAMP - used with L71568 hose only, not shown	1
48B	218- 5124	FITTING - 90°, at valve, used with hose	1
48C	218- 5008	O-RING - fitting	1



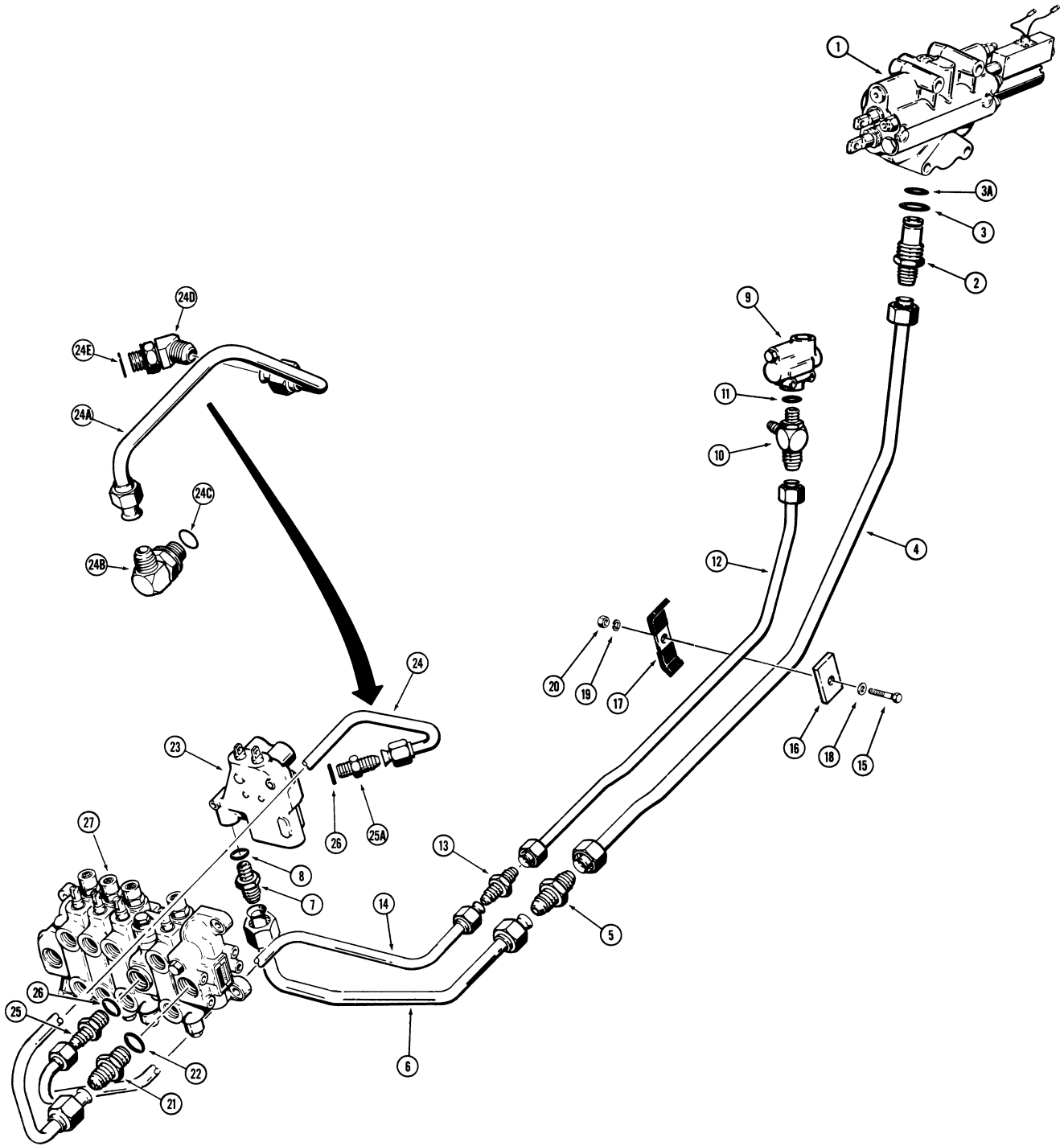
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 271

**EQUIPMENT HYDRAULIC CIRCUIT
TO BACKHOE CONTROL VALVE
*EARLY PRODUCTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - hydraulic, loader, see page 299 for proper valve	1
2	L 30446	FITTING - straight, special	1
3	218- 5010	O-RING - large	1
3A	L 32680	O-RING - small	1
4	L 55810	TUBE - loader valve to backhoe valve, end inlet, front	1
5	218- 739	FITTING - tube	1
6	L 55814	TUBE - loader valve to backhoe valve, end inlet, rear	1
7	218- 5069	FITTING - straight, male	1
8	218- 5010	O-RING - fitting	1
9	**L 54770	VALVE - flow divider, parts list page 331	1
10	218- 5576	FITTING - adjustable tee	1
11	218- 5007	O-RING - fitting	1
12	L 55812	TUBE - flow divider valve to stabilizer control valve, front	1
13	218- 737	FITTING - tube	1
14	L 55816	TUBE - flow divider valve to stabilizer control valve, rear	1
15	13- 832	HHCS - 1/2" - 13 NC x 2"	1
16	L 55306	SPACER - tube clamp	1
17	49799	CLAMP - tube	1
18	49891	CLAMP - tube	1
19	92- 8	WASHER - lock, 1/2"	1
20	25- 108	NUT - hex., 1/2" - 13 NC	1
21	218- 5064	FITTING - straight, male	2
22	218- 5008	O-RING - fitting	1
23	D 62348	VALVE - control, stabilizer, parts list page 313	1
24	L 55822	TUBE - stabilizer valve to backhoe control valve	1
25	218- 5077	FITTING - straight, male	1
26	218- 5010	O-RING - fitting	1
27	G 34669	VALVE - backhoe control, parts list page 315	1
28	13- 644	HHCS - 3/8" - 16 NC x 2-3/4"	1
29	D 40236	CLAMP - tube mounting	1
30	95- 6	WASHER - flat, 3/8"	1
31	92- 6	WASHER - lock, 3/8"	1
32	25- 106	NUT - hex., 3/8" - 16 NC	1

*NOTE: Before tractor Sn. 9118436 except for 9118396, 9118398 thru 9118401, 9118403, 9118404, 9118406 thru 9118415, 9118417, 9118420 thru 9118429, 9118431 thru 9118433.

**NOTE: See pages 221 and 223 for the backhoe and steering hydraulic circuit from the pump to flow divider valve.



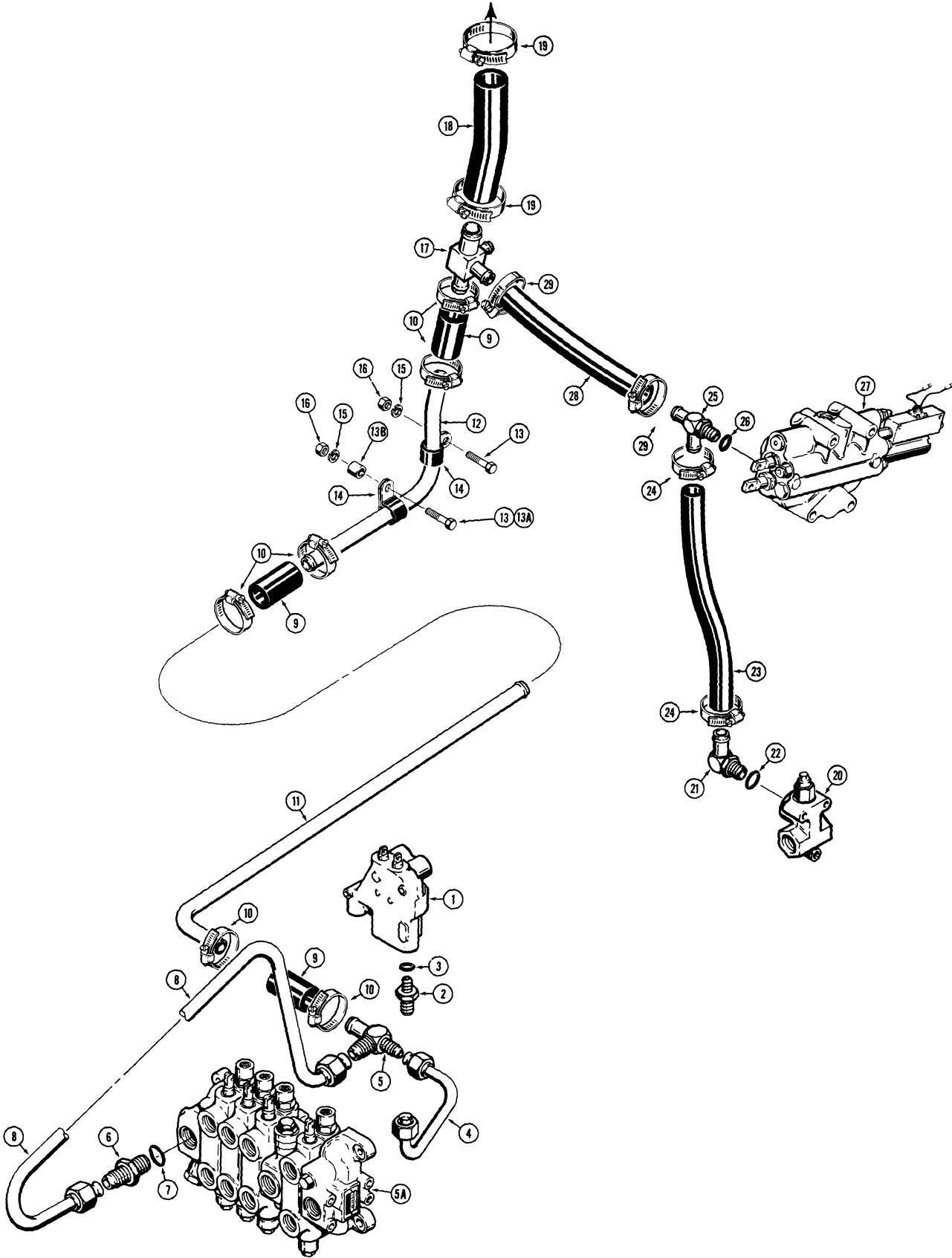
**EQUIPMENT HYDRAULIC CIRCUIT
TO BACKHOE CONTROL VALVE
*LATE PRODUCTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - hydraulic, loader, see page 301 for proper valve	1
2	L 30446	FITTING - straight, special	1
3	218- 5010	O-RING - large	1
3A	L 32680	O-RING - small	1
4	L 55810	TUBE - loader valve to stabilizer valve	1
5	218- 739	FITTING - tube	1
6	L 70096	TUBE - loader valve to stabilizer valve	1
7	218- 5050	FITTING - straight, male	1
8	218- 5010	O-RING - fitting	1
9	**L 54770	VALVE - flow divider, parts list page 331	1
10	218- 5576	FITTING - adjustable tee	1
11	218- 5007	O-RING - fitting	1
12	L 55812	TUBE - flow divider valve to backhoe control valve, front	1
13	218- 737	FITTING - tube	1
14	L 70094	TUBE - flow divider valve to backhoe control valve, rear	1
15	13- 644	HHCS - 3/8" - 16 NC x 2-3/4"	1
16	L 55306	SPACER - tube clamp	1
17	D 40236	CLAMP - tube	1
18	95- 6	WASHER - flat, 3/8"	1
19	92- 6	WASHER - lock, 3/8"	1
20	25- 106	NUT - hex., 3/8" - 16 NC	1
21	218- 5069	FITTING - straight, male, if used	1
22	218- 5010	O-RING - fitting	1
23	D 62348	VALVE - control, stabilizer, parts list page 313	1
24	L 70098	TUBE - stabilizer valve to backhoe control valve, before sn. 9122980	1
24	L 74489	TUBE - stabilizer valve, sn. 9122980 and after, order items 24A thru 24E	1
24A	L 79454	TUBE - stabilizer valve	1
24B	218- 5110	FITTING - 90°, male, if used	1
24C	218- 5010	O-RING - fitting	1
24D	218- 5147	FITTING - 45°, male, if used	1
24E	218- 5010	O-RING - fitting	1
25	218- 5077	FITTING - straight, male	1
25A	218- 5050	FITTING - straight, male, if used	1
26	218- 5010	O-RING - fitting for 218-5077 and 218-5050	1
27	REF.	VALVE - backhoe control, see page 315	1

*NOTE: Tractor Sn. 9118396 and after, except for 9118397, 9118402, 9118405, 9118416, 9118418 and 9118419, 9118430, 9118434 and 9118435.

**NOTE: See pages 221 and 223 for the backhoe and steering hydraulic circuit from the pump to flow divider valve.

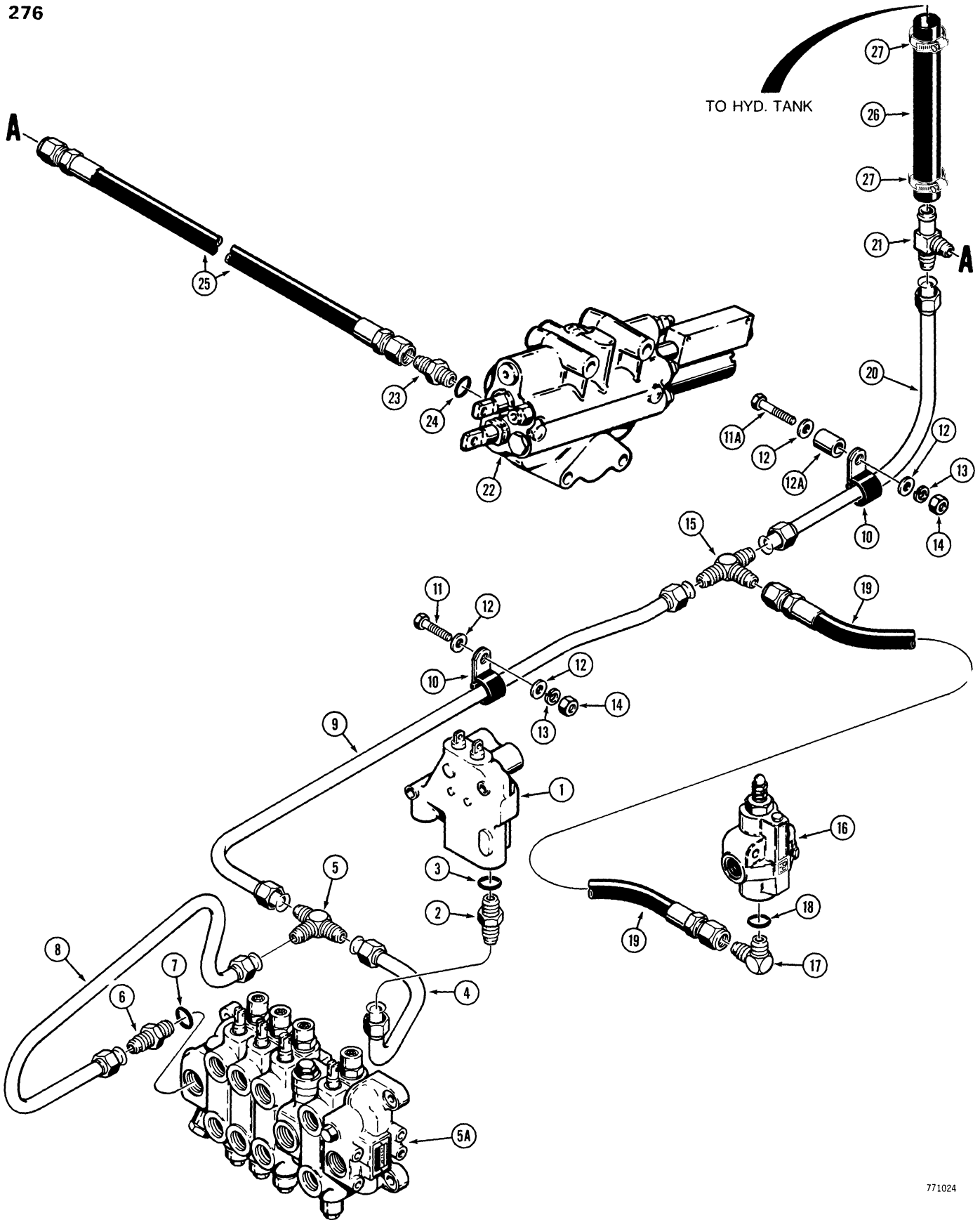
TO HYD. TANK



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 275

**EQUIPMENT HYDRAULIC CIRCUIT
RETURN LINES
BEFORE TRACTOR SN 9124781**

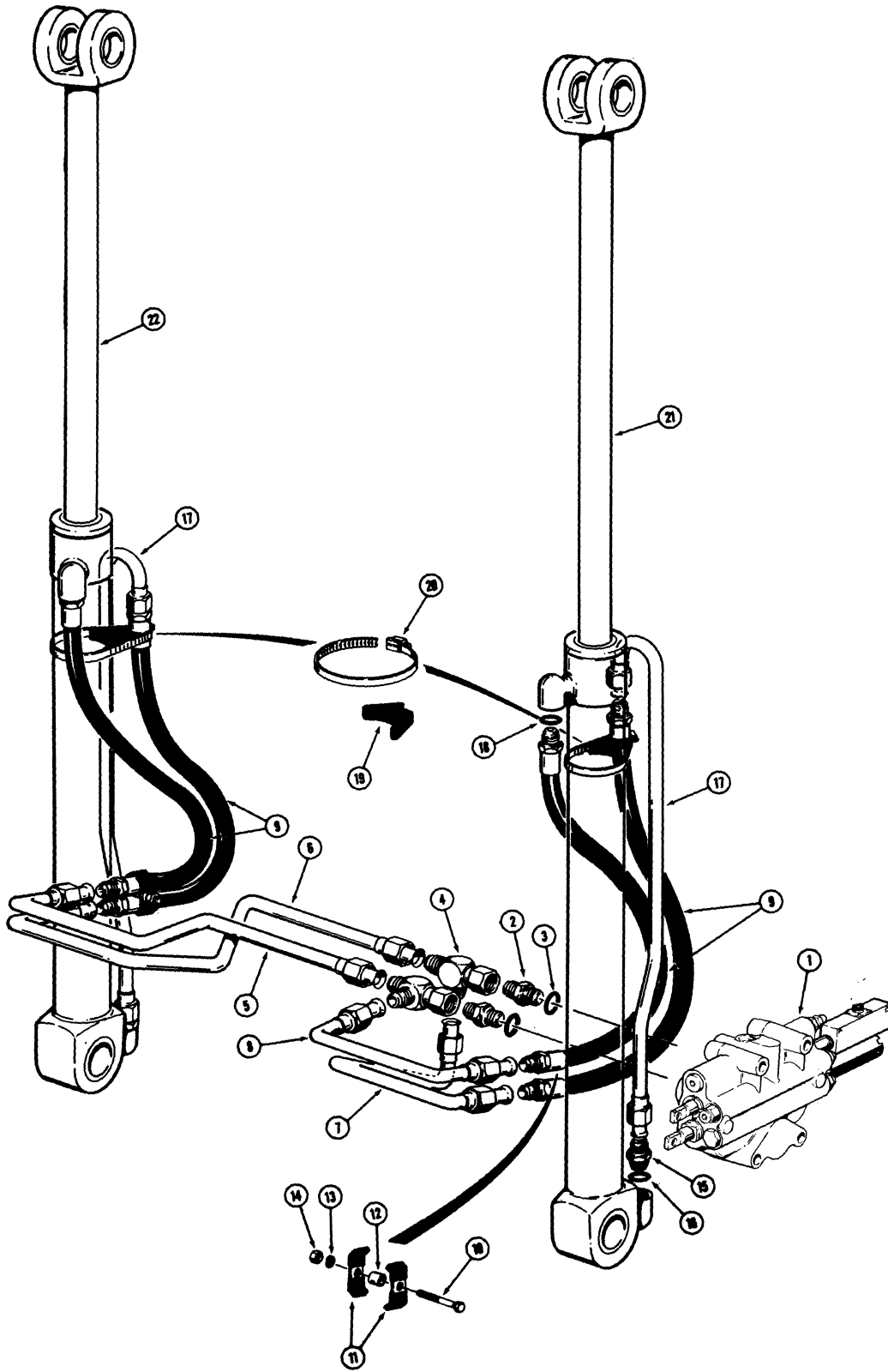
REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 62348	VALVE - control, stabilizer, parts list page 313	1
2	218- 5065	FITTING - straight, male	1
3	218- 5007	O-RING - fitting	1
4	L 55818	TUBE - return, from stabilizer control valve	1
5	L 55918	FITTING - valve return, 3-way	1
5A	REF.	VALVE - backhoe control, see page 315	1
6	218- 5069	FITTING - straight, male	1
7	218- 5010	O-RING - fitting	1
8	L 55820	TUBE - return, from backhoe control valve	1
9	L 70343	HOSE - return, low pressure	3
10	214- 257	CLAMP - hose	6
11	L 55824	TUBE - return, backhoe valve, rear	1
12	L 55825	TUBE - return, backhoe valve, front	1
13	13- 824	HHCS - 1/2" - 13 NC x 1-1/2"	2
13A	13- 832	HHCS - 1/2" - 13 NC x 2"	1
13B	L 58752	SPACER - clamp	1
14	R 17416	CLAMP - tube	2
15	92- 8	WASHER - lock, 1/2"	2
16	25- 108	NUT - hex., 1/2" - 13 NC	2
17	L 55399	BLOCK - junction, return hose	1
18	L 55951	HOSE - return, block to hydraulic tank	1
19	214- 351	CLAMP - hose	2
20	REF.	VALVE - relief, hydraulic, see page 333 for proper valve	1
21	217- 366	FITTING - 90°, hose stem, adjustable	1
22	218- 5008	O-RING - fitting	1
23	L 71137	HOSE - return, relief valve, 26" (660 mm) long, if used	1
23	L 59001	HOSE - return, relief valve, 14" (355 mm) long, used with Gresen relief valve	1
23	L 70287	HOSE - return, relief valve, 22" (558 mm) long, used with Parker Hannifin relief valve	1
24	214- 257	CLAMP - hose	2
25	L 58992	FITTING - special, return, at loader valve	1
26	218- 5008	O-RING - fitting	1
27	REF.	VALVE - hydraulic, loader, see pages 299 and 301 for proper valve	1
28	L 70286	HOSE - return, loader valve to junction block	1
29	214- 257	CLAMP - hose	2



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 277

**EQUIPMENT HYDRAULIC CIRCUIT
RETURN LINES
TRACTOR SN 9124781 AND AFTER**

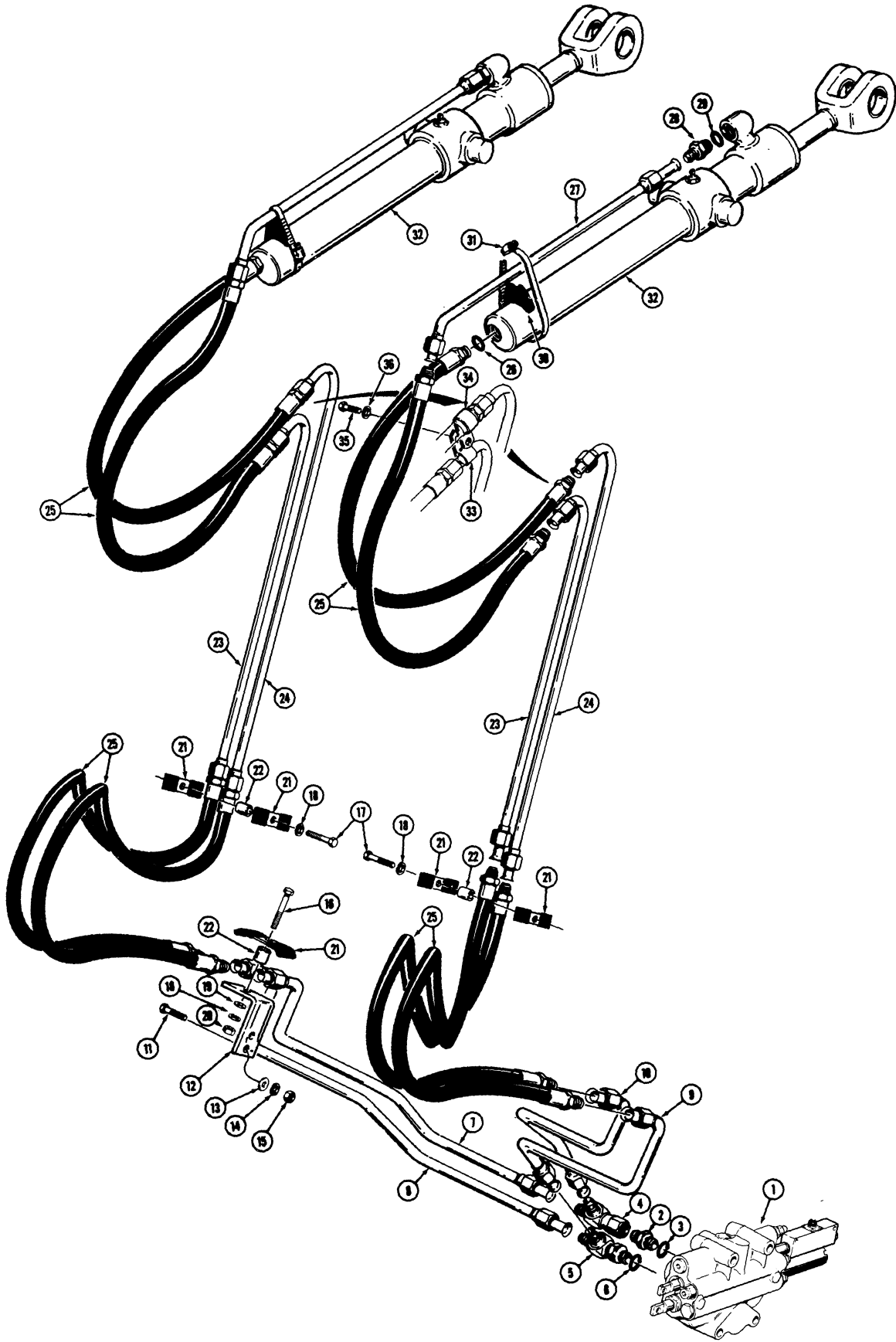
REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 62348	VALVE - control, stabilizer, parts list page 313	1
2	218- 5065	FITTING - straight, male	1
3	218- 5008	O-RING - fitting	1
4	L 77532	TUBE - return, from stabilizer valve	1
5	218- 1576	FITTING - valve return, 3-way	1
5A	REF.	VALVE - backhoe control, see page 301	1
6	218- 5069	FITTING - straight, male	1
7	218- 5010	O-RING - fitting	1
8	L 77541	TUBE - return, from backhoe valve	1
9	L 77082	TUBE - return, from backhoe and stabilizer valves	1
10	R 17416	CLAMP - tube	2
11	13- 824	HHCS - 1/2" - 13 NC x 1-1/2" rear clamp only	1
11A	13- 836	HHCS - 1/2" - 13 NC x 2-1/4" front clamp only	1
12	95- 8	WASHER - flat, 1/2"	4
12A	D 37548	SPACER - front clamp only	1
13	92- 8	WASHER - lock, 1/2"	2
14	25- 108	NUT - hex., 1/2" - 13 NC	2
15	218- 1577	FITTING - tee	1
16	REF.	VALVE - relief, see page 333 for proper valve	1
17	218- 5108	FITTING - 90°, relief valve outlet	1
18	218- 5008	O-RING - fitting	1
19	L 77088	HOSE - return, from relief valve, 34" (864 mm) long	1
20	L 77091	TUBE - to reservoir	1
21	L 77083	BLOCK - junction, return lines	1
22	REF.	VALVE - loader control, see pages 299 and 301 for proper valve	1
23	218- 5064	FITTING - straight, male	1
24	218- 5008	O-RING - fitting	1
25	L 77087	HOSE - return, loader valve, 20"	1
26	L 77084	HOSE - at tank, 1-1/4" (32 mm) I.D. x 11-1/2" (292 mm)	1
27	214- 257	CLAMP - hose	2



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 279

LOADER LIFT CYLINDER HYDRAULIC CIRCUIT

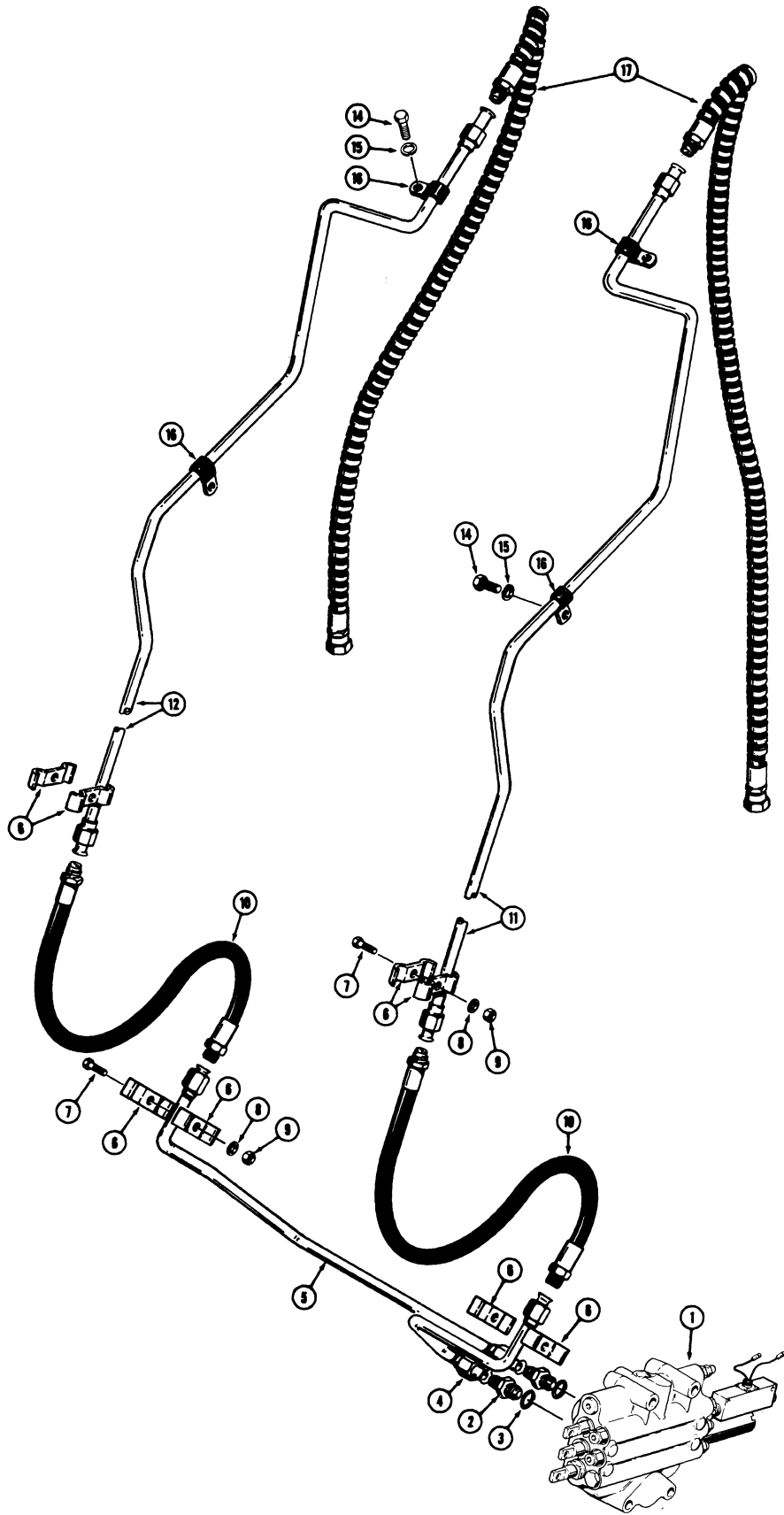
REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - hydraulic, loader control, see pages 299 and 301 for proper valve	1
2	218- 5063	FITTING - straight, male	2
3	218- 5008	O-RING - fitting	1
4	218- 5220	FITTING - swivel type	2
5	L 57596	TUBE - tee to L.H. lift cylinder, rod end	1
6	L 57598	TUBE - tee to L.H. lift cylinder, closed end	1
7	L 57592	TUBE - tee to R.H. lift cylinder, closed end	1
8	L 57594	TUBE - tee to R.H. lift cylinder, rod end	1
9	L 57599	HOSE - valve to lift cylinders, 37" (940 mm) long	4
10	13- 652	HHCS - 3/8" - 16 NC x 3-1/4"	2
11	D 40236	CLAMP - tube to chassis	4
12	D 33554	SPACER - tube	2
13	92- 6	WASHER - lock, 3/8"	2
14	25- 106	NUT - hex., 3/8" - 16 NC	2
15	218- 5062	FITTING - straight, male	2
16	218- 5007	O-RING - fitting	1
17	L 57601	TUBE - lift cylinder, closed end	2
18	218- 5007	O-RING - rod end of lift cylinder	2
19	D 38648	SPACER - tube	2
20	214- 269	CLAMP - tube	2
21	REF.	CYLINDER - hydraulic, R.H. loader lift, see page 337 or 339	1
22	REF.	CYLINDER - hydraulic, L.H. loader lift, see page 337 or 339	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 281

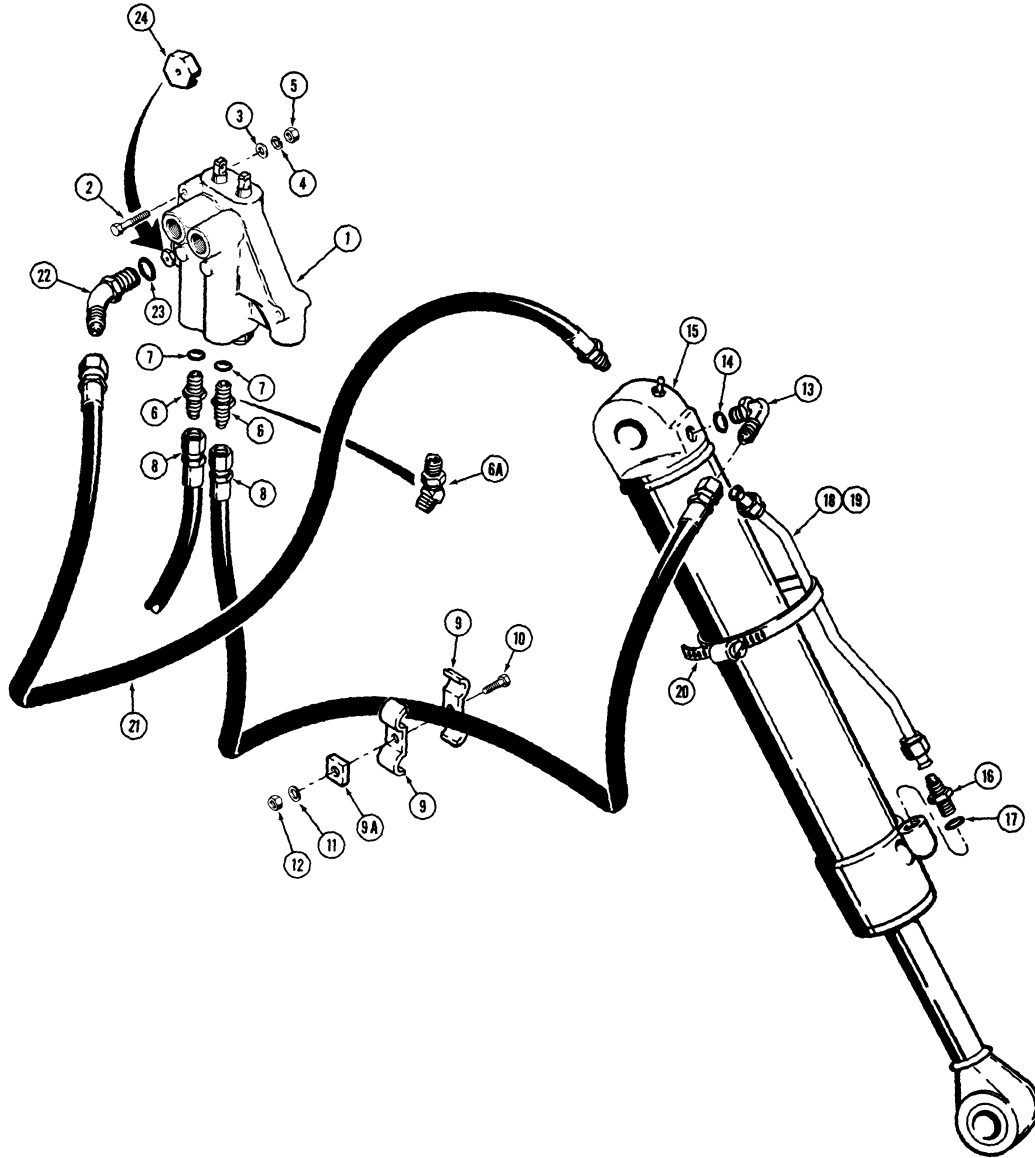
LOADER BUCKET TILT CYLINDER HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - hydraulic, loader control, see pages 299 and 301 for proper valve	1
2	218- 5063	FITTING - straight, male	1
3	218- 5008	O-RING - fitting	1
4	218- 5220	FITTING - swivel type	1
5	218- 5294	FITTING - adjustable	1
6	218- 5008	O-RING - fitting	1
7	L 57609	TUBE - tee to L.H. bucket cylinder, closed end	1
8	L 57607	TUBE - tee to L.H. bucket cylinder, rod end	1
9	L 57603	TUBE - tee to R.H. bucket cylinder, rod end	1
10	L 57605	TUBE - tee to R.H. bucket cylinder, closed end	1
11	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	4
12	L 57616	BRACKET - hose support	2
13	95- 6	WASHER - flat, 3/8"	4
14	92- 6	WASHER - lock, 3/8"	4
15	25- 106	NUT - hex., 3/8" - 16 NC	4
16	13- 640	HHCS - 3/8" - 16 NC x 2-1/2"	2
17	13- 628	HHCS - 3/8" - 16 NC x 1-3/4"	2
18	92- 6	WASHER - lock, 3/8"	4
19	95- 6	WASHER - flat, 3/8"	2
20	25- 106	NUT - hex., 3/8" - 16 NC	2
21	D 40236	CLAMP - tube and hose	6
22	D 33554	SPACER - tube	6
23	L 57611	TUBE - valve to bucket cylinder, upper, at lift arm	2
24	L 57613	TUBE - valve to bucket cylinder, lower, at lift arm	2
25	L 57599	HOSE - bucket cylinder, 37" (940 mm) long	8
26	218- 5007	SEAL - O-ring	2
27	L 73331	TUBE - to bucket cylinder, rod end	2
28	218- 5062	FITTING - male, straight	2
29	218- 5007	O-RING - fitting	1
30	D 38648	SPACER - tube	2
31	214- 267	CLAMP - tube	2
32	REF.	CYLINDER - hydraulic, R.H. and L.H. loader bucket, see page 341 or 343	1
33	D 34174	CLAMP - tube retaining	2
34	A 27256	CLAMP - hose retaining	2
35	13- 612	HHCS - 3/8" - 16 NC x 3/4"	2
36	92- 6	WASHER - lock, 3/8"	2



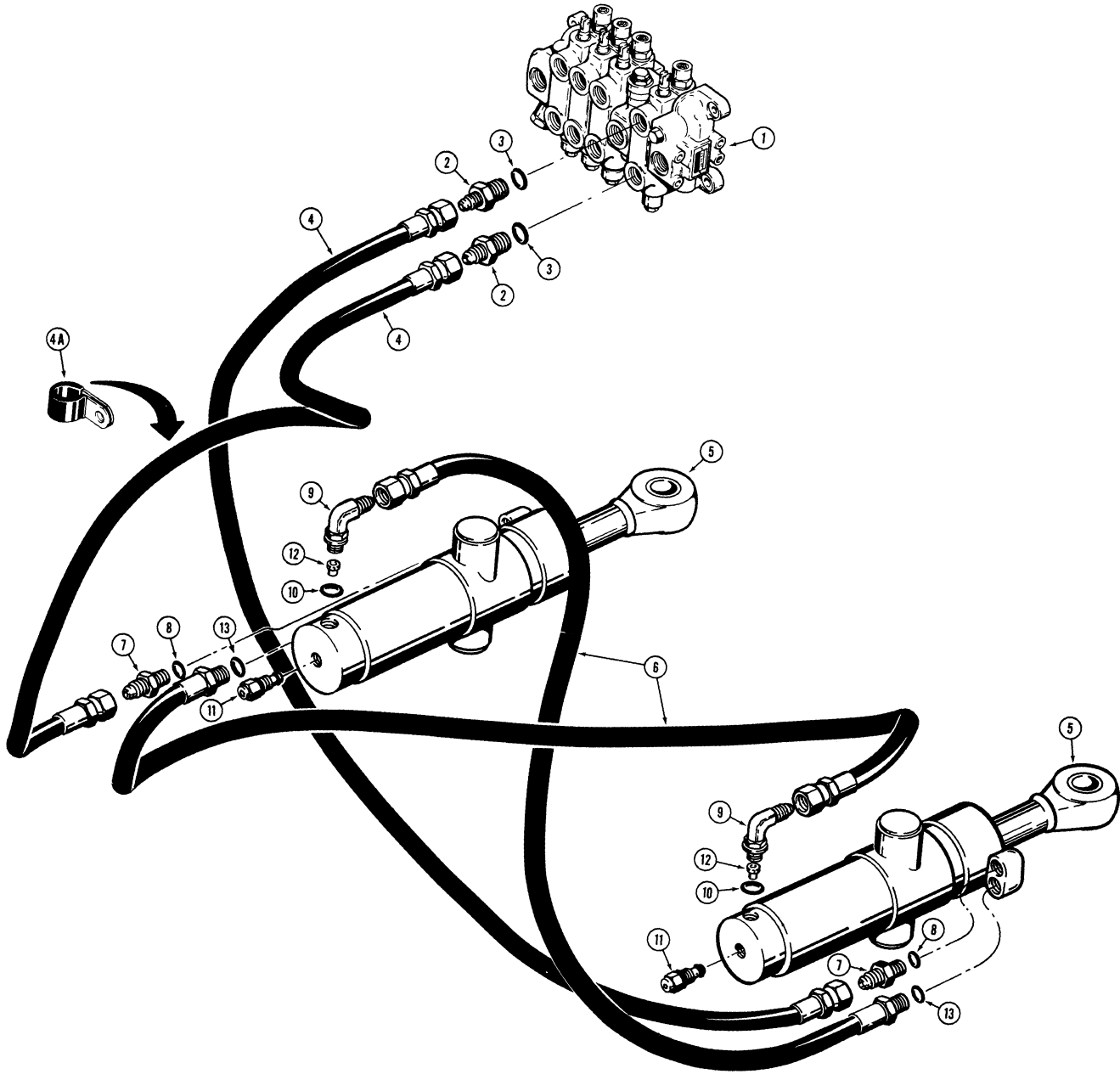
**LOADER HYDRAULICS
CONTROL VALVE TO CLAM CYLINDERS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - hydraulic, loader, 3 spool, see pages 299 and 301	1
2	218- 5063	FITTING - straight, male	2
3	218- 5008	O-RING - fitting	1
4	L 58406	TUBE - valve to R.H. lift arm tube, at valve	1
5	L 58408	TUBE - valve to L.H. lift arm tube, at valve	1
6	A 12032	CLAMP - tube	8
7	13- 516	HHCS - 5/16" - 18 NC x 1"	4
8	92- 5	WASHER - lock, 5/16"	4
9	25- 105	NUT - hex., 5/16" - 18 NC	4
10	L 57599	HOSE - valve to lift arm tubes, 37" (940 mm) long	2
11	L 58402	TUBE - valve to clam cylinder, at R.H. lift arm	1
12	L 58404	TUBE - valve to clam cylinder, at L.H. lift arm	1
13		RESERVED	
14	13- 612	HHCS - 3/8" - 16 NC x 3/4"	4
15	92- 6	WASHER - lock, 3/8"	4
16	49771	CLAMP - tube to tapped block	4
17	L 50629	HOSE - lift arm tubes to clam cylinders, 50" (1270 mm) long	2
18	218- 776	PLUG - hex. head, 5/8", used when bucket is removed to plug clam cylinder hoses, not shown	2



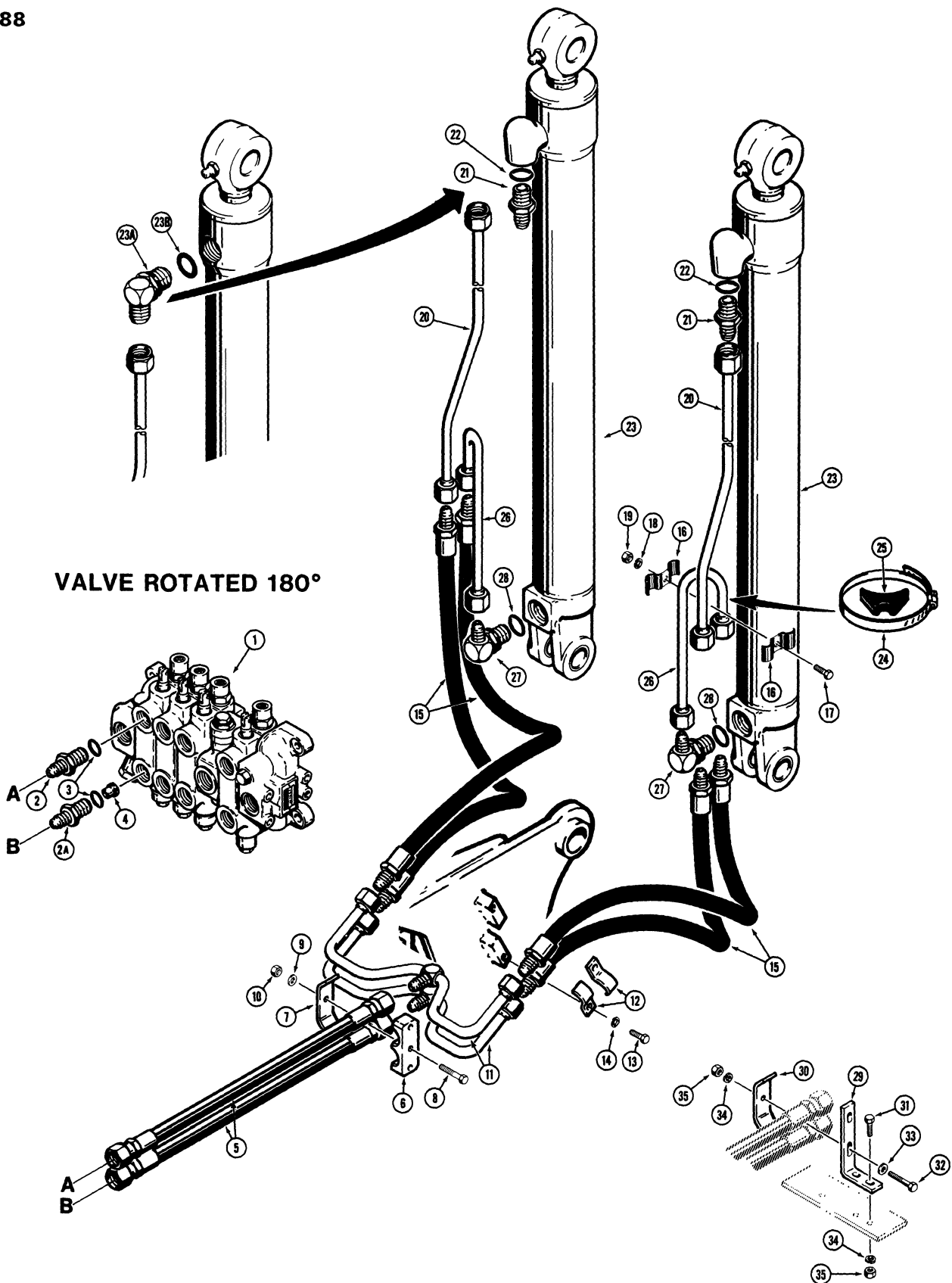
BACKHOE STABILIZER CYLINDER HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D
1	D 62348	VALVE - stabilizer control, parts list page 313	1
2	13- 544	HHCS - 5/16" - 18 NC x 2-3/4", valve mounting	2
3	95- 5	WASHER - flat, 5/16"	2
4	92- 5	WASHER - lock, 5/16"	2
5	25- 105	NUT - hex, 5/16" - 18 NC	2
6	218- 5060	FITTING - male, straight, early production	2
6A	218- 5146	FITTING - 45°, adjustable, late production	2
7	218- 5007	O-RING - fitting	1
8	L 54790	HOSE - stabilizer valve to stabilizer cylinder, closed end, 63" (1600 mm) long .	2
9	L 26312	CLAMP - hose to chassis, if used	2
9A	D 56781	SPACER - clamp to frame, if used	2
10	13- 624	HHCS - 3/8" - 16 NC x 1-1/2", clamp mounting, if used	2
11	92- 6	WASHER - lock, 3/8", if used	2
12	25- 106	NUT - hex, 3/8" - 16 NC, if used	2
13	218- 5121	FITTING - 90°, adjustable	2
14	218- 5007	O-RING - fitting	1
15	REF.	CYLINDER - hydraulic, stabilizer, parts list page 349 or 349B	2
16	218- 5062	FITTING - male, straight	2
17	218- 5007	O-RING - fitting	1
18	L 54786	TUBE - L.H. stabilizer cylinder	1
19	L 54788	TUBE - R.H. stabilizer cylinder	1
20	214- 273	CLAMP - tube to cylinder	2
21	L 54789	HOSE - stabilizer valve to rod end of stabilizer cylinder, 42" (1067 mm) long , if used	2
21	L 71092	HOSE - stabilizer valve to rod end of stabilizer cylinder, 58" (1473 mm) long, if used	2
22	218- 5146	FITTING - 45°, adjustable	2
23	218- 5007	O-RING - fitting	1
24	L 59006	ORIFICE - stabilizer cylinder, 1/8" (3.17 mm) dia. orifice	2
24	D 61933	ORIFICE - stabilizer cylinder, 5/32" (3.96 mm) dia. orifice	2



BACKHOE SWING CYLINDER HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	VALVE - backhoe control, parts list page 315	1
2	218- 5071	FITTING - male, straight	2
3	218- 5010	O-RING - fitting	1
4	R 28980	HOSE - backhoe valve to rod end of swing cylinder 58" (1473 mm) long ...	2
4A	49891	CLAMP - swing cylinder hoses, if used	2
5	REF.	CYLINDER - hydraulic, swing, see page 351 or 353	2
6	D 39140	HOSE - cross-over, 23-1/2" (597 mm) long, includes item 13	2
7	218- 5059	FITTING - male	2
8	218- 5006	O-RING - fitting	1
9	218- 5121	FITTING - adjustable, 90°	2
10	218- 5007	O-RING - fitting	1
11	REF.	VALVE - relief, swing cylinder, see page 355	2
12	L 78722	RESTRICTOR - check, swing cylinder	2
13	218- 5006	O-RING - included with item 6	2

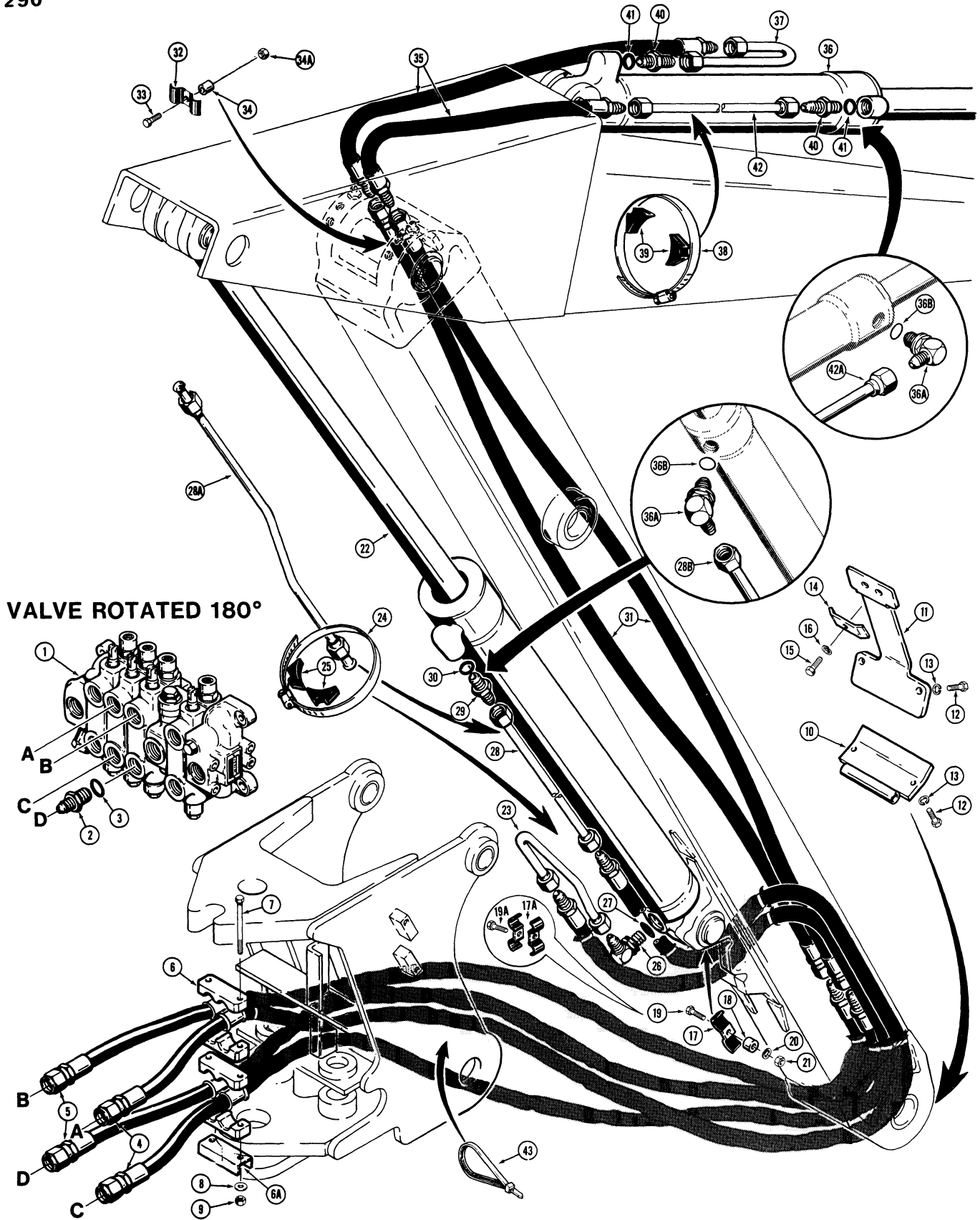


BACKHOE BOOM CYLINDER HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	VALVE - backhoe control, parts list page 315	1
2	218- 5077	FITTING - male, straight	1
2A	L 55143	FITTING - male, straight, special	1
3	218- 5010	O-RING - 218-5077 and L55143 fittings	1
4	L 58934	RESTRICTOR - boom drop	1
5	L 55955	HOSE - backhoe valve to boom manifold, 26-1/2" (673 mm) long	2
6	L 58202	BLOCK - boom manifold support, used before sn. 9125069	1
7	L 59126	CLAMP - boom manifold, used before sn. 9125069	1
8	13- 644	HHCS - 3/8" - 16 NC x 2-3/4"	1
9	95- 6	WASHER - flat, 3/8"	1
10	131- 6	NUT - hex, self lock, 3/8" - 16 NC	1
11	L 58132	MANIFOLD - boom cylinder	2
12	L 58147	CLAMP - boom cylinder hose to tower	4
13	13- 616	HHCS - 3/8" - 16 NC x 1"	4
14	92- 6	WASHER - lock, 3/8"	4
15	T 41362	HOSE - boom cylinder manifold to boom cylinder, 27-1/2" (698 mm) long	4
16	R 15257	CLAMP - tube	4
17	13- 614	HHCS - 3/8" - 16 NC x 7/8"	2
18	92- 6	WASHER - lock, 3/8"	2
19	25- 106	NUT - hex, 3/8" - 16 NC	2
20	L 58145	TUBE - boom cylinder, rod end	2
21	218- 5077	FITTING - male, straight	2
22	218- 5010	O-RING - fitting	1
23	REF.	CYLINDER - hydraulic, boom, see page 357 or 359	2
23A	218- 5108	FITTING - 90°, adjustable, used on cylinders requiring four 90° fittings	42
23B	218- 5008	O-RING - fitting	1
24	214- 273	CLAMP - tubes to boom cylinder	2
25	D 38648	SPACER - tube	2
26	L 58142	TUBE - boom cylinder, closed end	2
27	218- 5118	FITTING - adjustable, 90°, if used, see item-23A	2
28	218- 5010	O-RING - fitting	1

USED ON SN. 9125069 AND AFTER

29	L 78210	BRACKET - hose support	1
30	L 78057	CLAMP - hose	1
31	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	1
32	13- 636	HHCS - 3/8" - 16 NC x 2-1/4"	1
33	95- 6	WASHER - flat, 3/8"	1
34	92- 6	WASHER - lock, 3/8"	2
35	25- 106	NUT - 3/8" - 16 NC	2

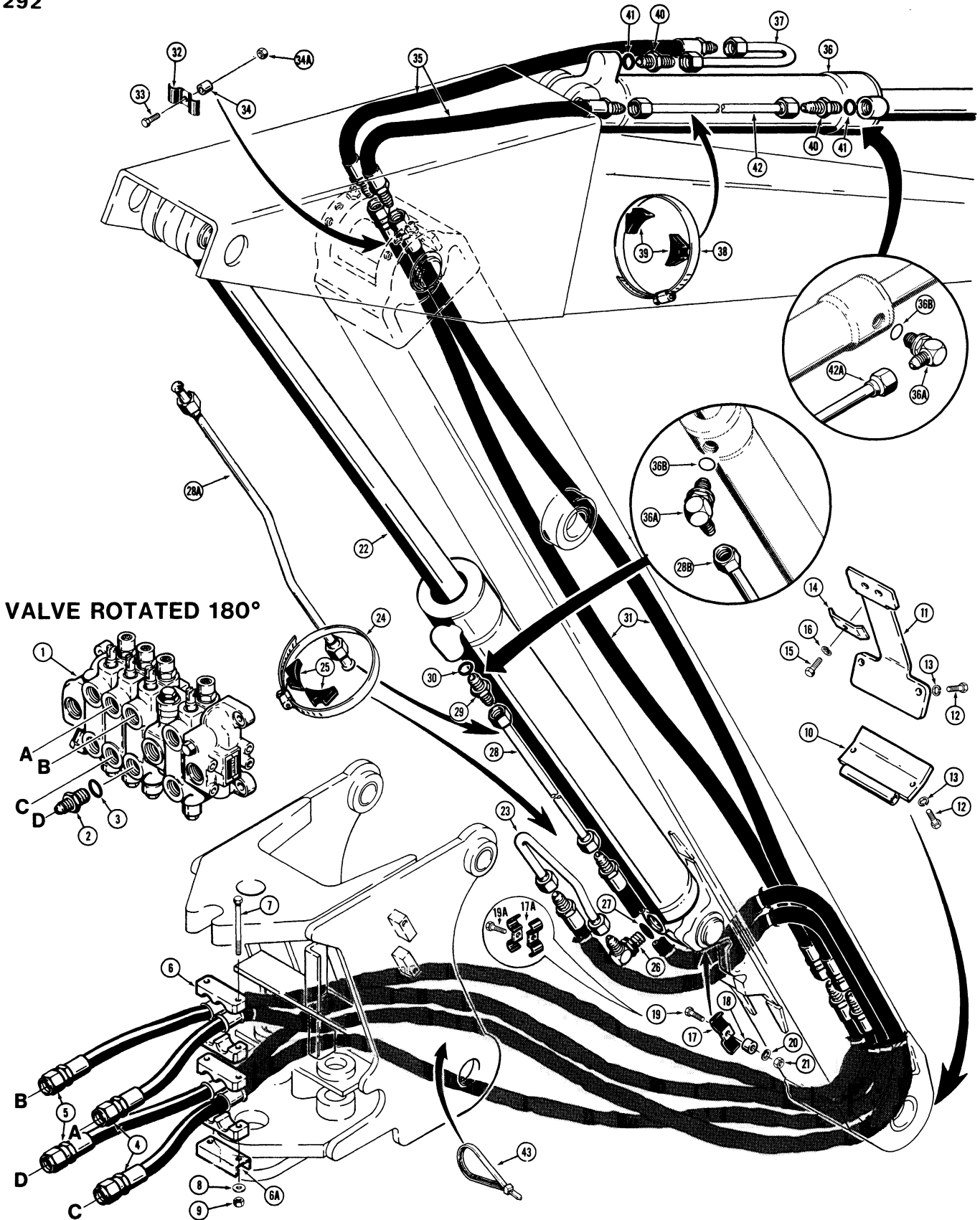


BACKHOE DIPPER AND BUCKET CYLINDER HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	VALVE - backhoe control, parts list page 315	1
2	218- 5077	FITTING - male, straight	4
3	218- 5010	O-RING - fitting	1
4	L 77824	HOSE - valve to dipper cylinder, 102" (2597 mm) long	2
5	*L 77825	HOSE - valve to bucket cylinder, 58" (1473 mm) long	2
6	L 58088	BLOCK - hose support	4
6A	L 76698	BRACKET - support, hose block, if used	1
7	13- 680	HHCS - 3/8" - 16 NC x 5"	1-2
7	13- 688	HHCS - 3/8" - 16 NC x 5-1/2", if used	1
8	95- 6	WASHER - flat, 3/8"	2
9	131- 6	NUT - hex, self lock, 3/8" - 16 NC	2
10	L 79095	GUARD - hose protecting	1
11	L 78634	CLAMP - hose guard	1
12	13- 812	HHCS - 1/2" - 13 NC x 3/4"	4
13	92- 8	WASHER - lock, 1/2"	4
14	D 40236	CLAMP - hose to guard, at boom	1
15	13- 628	HHCS - 3/8" - 16 NC x 1-3/4", if used	1
15	13- 632	HHCS - 3/8" - 16 NC x 2", if used	1
16	92- 6	WASHER - lock, 3/8"	1
17	R 15257	CLAMP - dipper hose to boom, single, if used	1
17A	D 78057	CLAMP - dipper hose to boom, used in pairs, if used	1
18	D 36040	SPACER - clamp	1
19	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	1
19A	13- 632	HHCS - 3/8" - 16 NC x 2", if used	1
20	92- 6	WASHER - lock, 3/8"	1
21	25- 106	NUT - hex, 3/8" - 16 NC	1
22	REF.	CYLINDER - hydraulic, dipper, see page 361 or 363	1
23	L 54749	TUBE - dipper cylinder, closed end	1
24	214- 273	CLAMP - tube to dipper cylinder	1
25	D 38648	SPACER - tube	2
26	218- 5108	FITTING - adjustable, 90°	1
27	218- 5008	O-RING - fitting	1
28	L 54522	TUBE - dipper cylinder, rod end, used on G34323 cylinder	1
28A	L 74390	TUBE - dipper cylinder, rod end, used on G100004 cylinder	1
28B	L 58145	TUBE - dipper cylinder, rod end, used on G101348 cylinder	1
29	218- 5064	FITTING - male, straight, if used	1
30	218- 5008	O-RING - fitting	1
31	*L 58822	HOSE - bucket cylinder, middle, 104" (2642 mm) long	2
32	R 15257	CLAMP - hose to boom	1
32A	L 79113	CLAMP AND NUT ASSEMBLY - option to item 32, if used, not shown	1
33	13- 664	HHCS - 3/8" - 16 NC x 4"	1
34	L 59005	SPACER - clamp, if used	1
34A	131- 6	NUT - hex, self lock, 3/8" - 16 NC, if used	1

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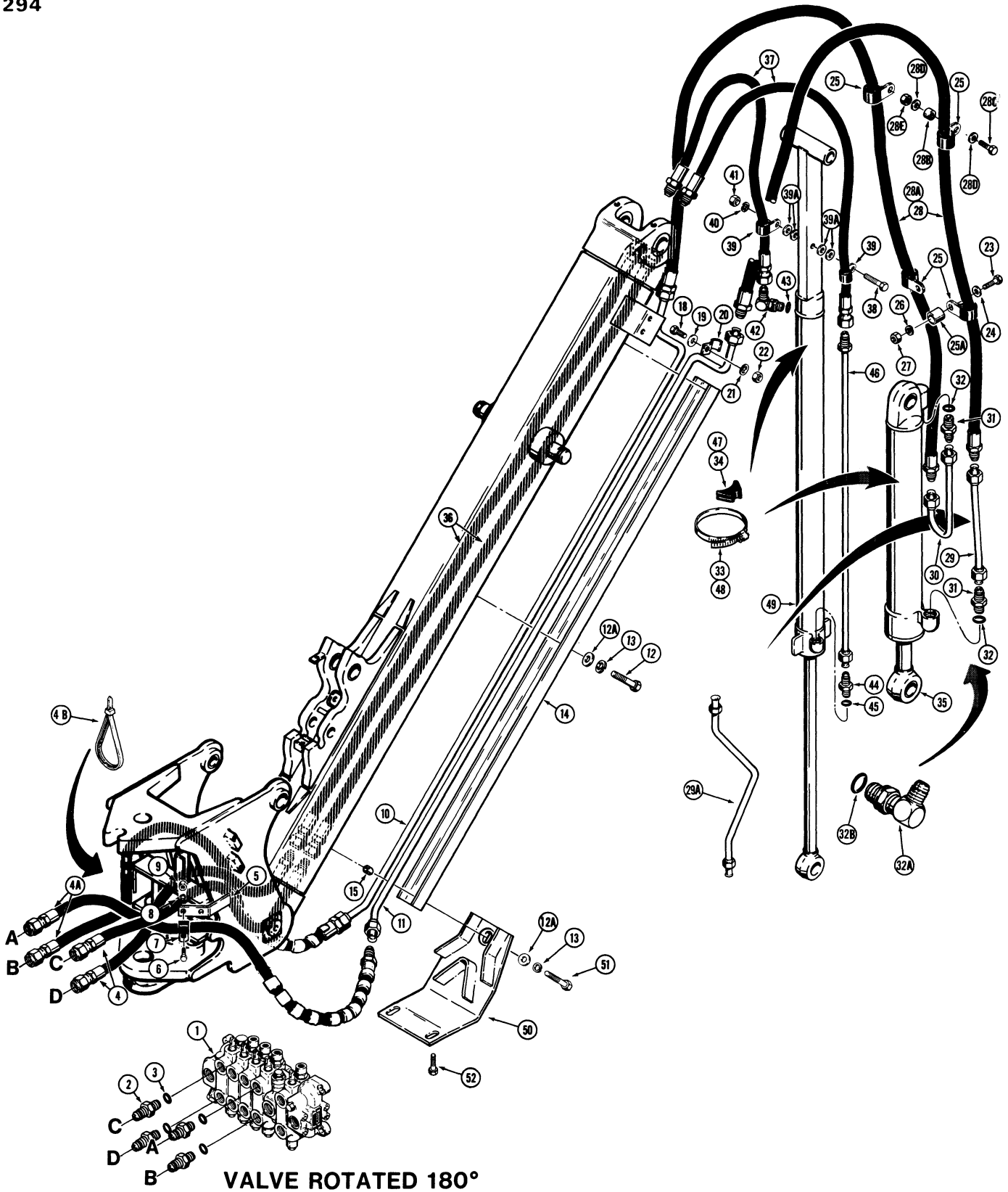
***NOTE:** On models with extendable dipper, items 5 and 31 above are used in the dipper extension circuit, and separate hoses are used for the bucket cylinder circuit. See pages 295-295D.



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 293

BACKHOE DIPPER AND BUCKET CYLINDER HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D.
35	L 58821	HOSE - bucket cylinder, 47" (1194 mm) long	2
36	REF.	CYLINDER - hydraulic, bucket, see page 365 or 367	1
36A	218- 5108	FITTING - 90°, adjustable, cylinder port, if used	2
36B	218- 5008	O-RING - fitting	1
37	L 58142	TUBE - bucket cylinder, closed end	1
38	214- 277	CLAMP - tube to cylinder	1
39	D 38648	SPACER - tube	2
40	218- 5064	FITTING - male, straight, if used	2
41	218- 5008	O-RING - fitting	1
42	L 57038	TUBE - bucket cylinder, rod end	1
42A	L 77131	TUBE - bucket cylinder, rod end, used with item 36A only	1
43	L 18331	STRAP - hose tie	1

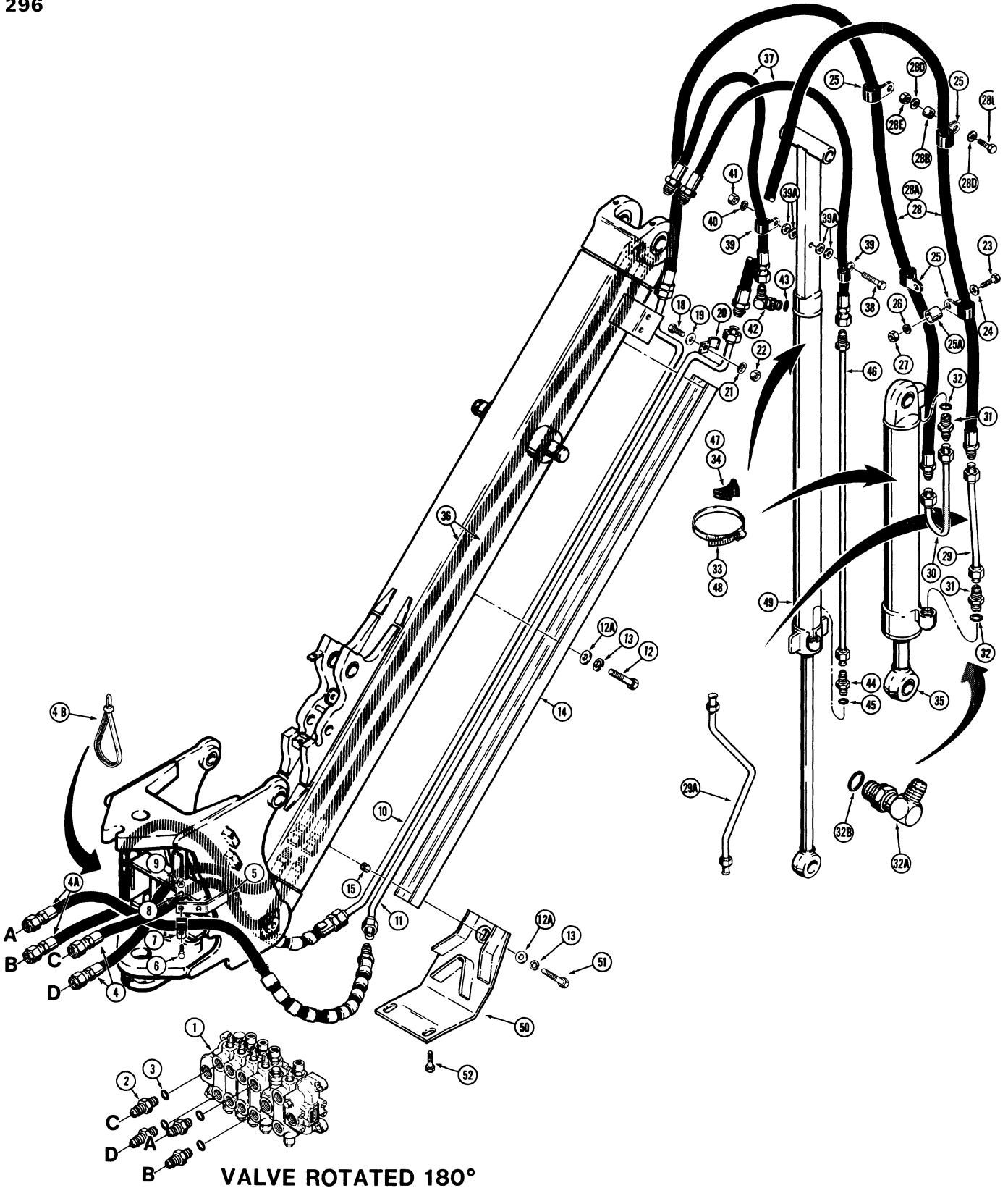


**BACKHOE EXTENDABLE DIPPER HYDRAULIC CIRCUIT
BEFORE TRACTOR SN. 9125069**

REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	VALVE - backhoe and extendable control, parts list page 315	1
2	218- 5077	FITTING - straight, male	4
3	218- 5010	O-RING - fitting	1
4	*L 77825	HOSE - to extension cylinders, 58" (1473 mm) long	2
4A	L 74090	HOSE - to bucket cylinders, 58" (1473 mm) long	2
4B	L 18331	STRAP - hose tie	2
5	L 59101	BRACKET - clamp support, welded to tower	2
6	13- 612	HHCS - 3/8" - 16 NC x 3/4"	4
7	D 40471	CLAMP - bucket cylinder hoses	4
8	92- 6	WASHER - lock, 3/8"	4
9	25- 106	NUT - hex, 3/8" - 16 NC	4
10	L 58748	TUBE - valve to bucket cylinder, R.H., used with L58351 hose	1
10	L 73190	TUBE - valve to bucket cylinder, L.H., used with L73182 or L78165 hose	1
11	L 58746	TUBE - valve to bucket cylinder, L.H., used with L58351 hose	1
11	L 73192	TUBE - valve to bucket cylinder, R.H., used with L73182 or L78165 hose	1
12	13- 824	HHCS - 1/2" - 13 NC x 1-1/2"	2
12A	95- 8	WASHER - flat, 1/2"	3
13	92- 8	WASHER - lock, 1/2"	3
14	L 58750	GUARD - boom tubes, lower	1
15	L 58752	SPACER - tube, if used	3
16		RESERVED	
17		RESERVED	
18	13- 616	HHCS - 3/8" - 16 NC x 1"	2
19	95- 6	WASHER - flat, 3/8"	2
20	L 25930	CLAMP - bucket tubes, upper	2
21	92- 6	WASHER - lock, 3/8"	2
22	25- 106	NUT - hex, 3/8" - 16 NC	2
23	13- 636	HHCS - 3/8" - 16 NC x 2-1/4"	2-4
23	13- 620	HHCS - 3/8" - 16 NC x 1-1/4", if used	2
24	95- 6	WASHER - flat, 3/8"	4
25	D 40471	CLAMP - bucket cylinder hoses	4
25A	L 14794	SPACER - lower clamp, 1.09" (28 mm) long	2-4
26	92- 6	WASHER - lock, 3/8"	2-4
27	25- 106	NUT - hex, 3/8" - 16 NC	2-4
28	L 73182	HOSE - at bucket cylinder, 108" (2743 mm) long, used before sn. 9122310 except for 9122278 and 9122290	2
28	L 73182	HOSE - at bucket cylinder, 96" (2438 mm) long, used on sn. 9122278, 9122290 and 9122310 thru 9124627	2
28A	L 78165	HOSE - at bucket cylinder, 98" (2489 mm) long, used on sn. 9124628 and after	2
28B	L 78175	SPACER - clamp, 1/2" (13 mm) long, if used	2
28C	13- 624	HHCS - 3/8" - 16 NC x 1-1/2", if used	2
28D	195- 2034	WASHER - flat, 3/8", if used	2-4
28E	131- 652	NUT - hex, self lock, 3/8" - 16 NC, if used	2

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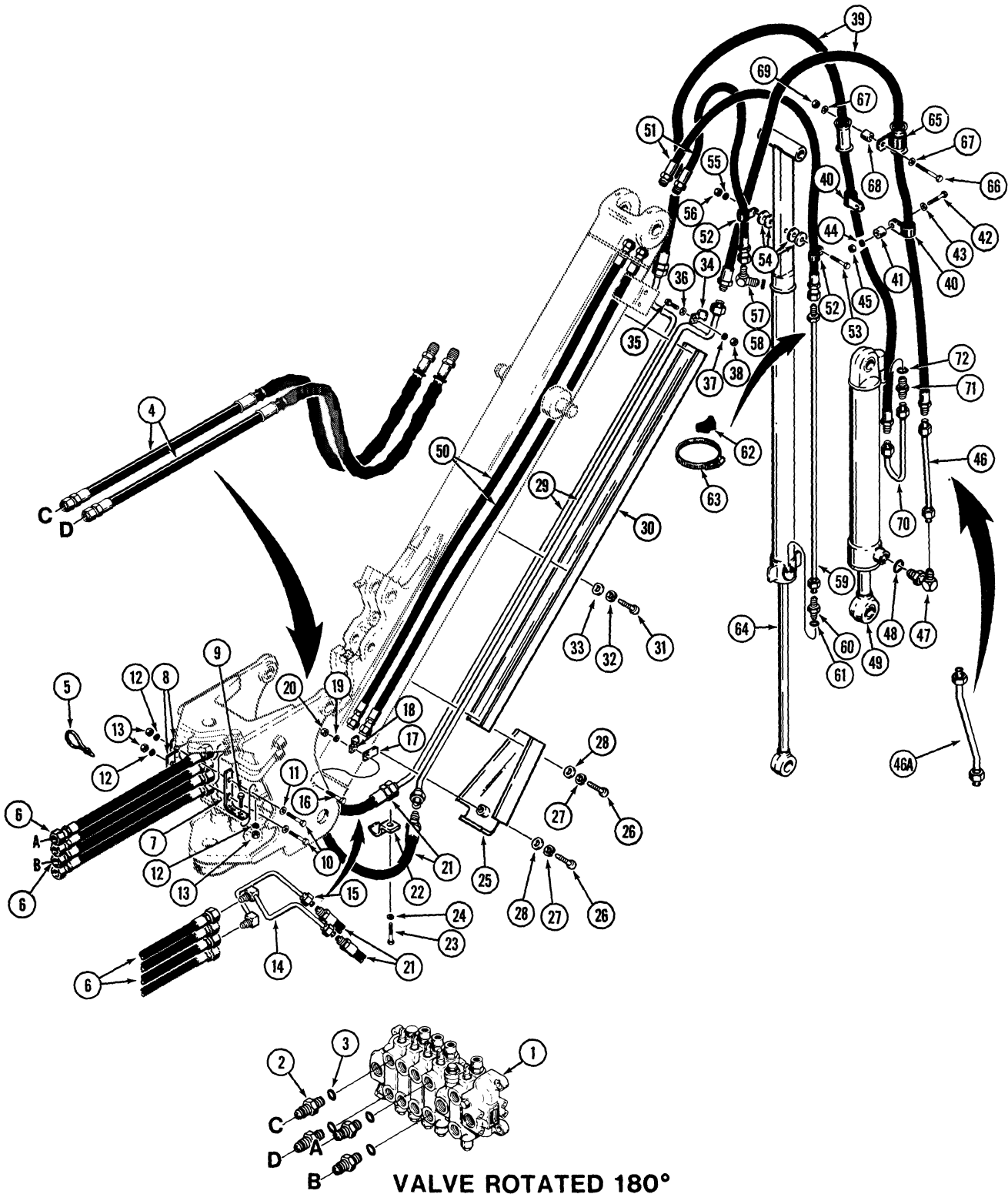
***NOTE:** On models without extendable dipper, D77825 hoses are used as bucket cylinder circuit hoses. See page 291 for these hoses and hose clamps.



**BACKHOE EXTENDABLE DIPPER HYDRAULIC CIRCUIT
BEFORE TRACTOR SN. 9125069**

REF.	PART NO.	DESCRIPTION	REQ'D
29	L 57038	TUBE - bucket cylinder, at rod end	1
29	L 77131	TUBE - bucket cylinder, at rod end, used with item 32A only	1
29A	L 100128	TUBE - bucket cylinder, at rod end, models with dual lever controls only, if used	1
30	L 58142	TUBE - bucket cylinder, at closed end	1
31	218- 5064	FITTING - male, straight, if used	2
32	218- 5008	O-RING - fitting	1
32A	218- 5108	FITTING - male, 90°, if used	1
32B	218- 5008	O-RING - fitting	1
33	214- 277	CLAMP - tube to cylinder	1
34	D 38648	SPACER - tube	2
35	REF.	CYLINDER - hydraulic, bucket, see page 365 or 367	1
36	*L 58822	HOSE - valve to extension cylinder, 107" (2718 mm) long	2
37	L 76819	HOSE - valve to extension cylinder, 24" (609 mm) long	2
38	13- 652	HHCS - 3/8" - 16 NC x 3-3/4"	1
39	R 49858	CLAMP - extension cylinder hose	2
39A	F 12215	WASHER - special, flat	4
40	92- 6	WASHER - lock, 3/8"	1
41	25- 106	NUT - hex, 3/8" - 16 NC	1
42	218- 5121	FITTING - adjustable, 90°	1
43	218- 5007	O-RING - fitting	1
44	218- 5060	FITTING - male, straight	1
45	218- 5007	O-RING - fitting	1
46	L 54652	TUBE - extension cylinder, rod end	1
47	D 38648	SPACER - tube	1
48	214- 265	CLAMP - tube	1
49	REF.	CYLINDER - hydraulic, dipper extension, see page 369 or 371	1
50	L 73034	GUARD - bucket tubes, if used	1
51	13- 836	HHCS - 1/2" - 13 NC x 2-1/4"	1
52	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	2

***NOTE:** On models without extendable dipper, D58822 hoses are used as bucket cylinder circuit hoses. See page 291 for hose clamps and hose guards used with these hoses.



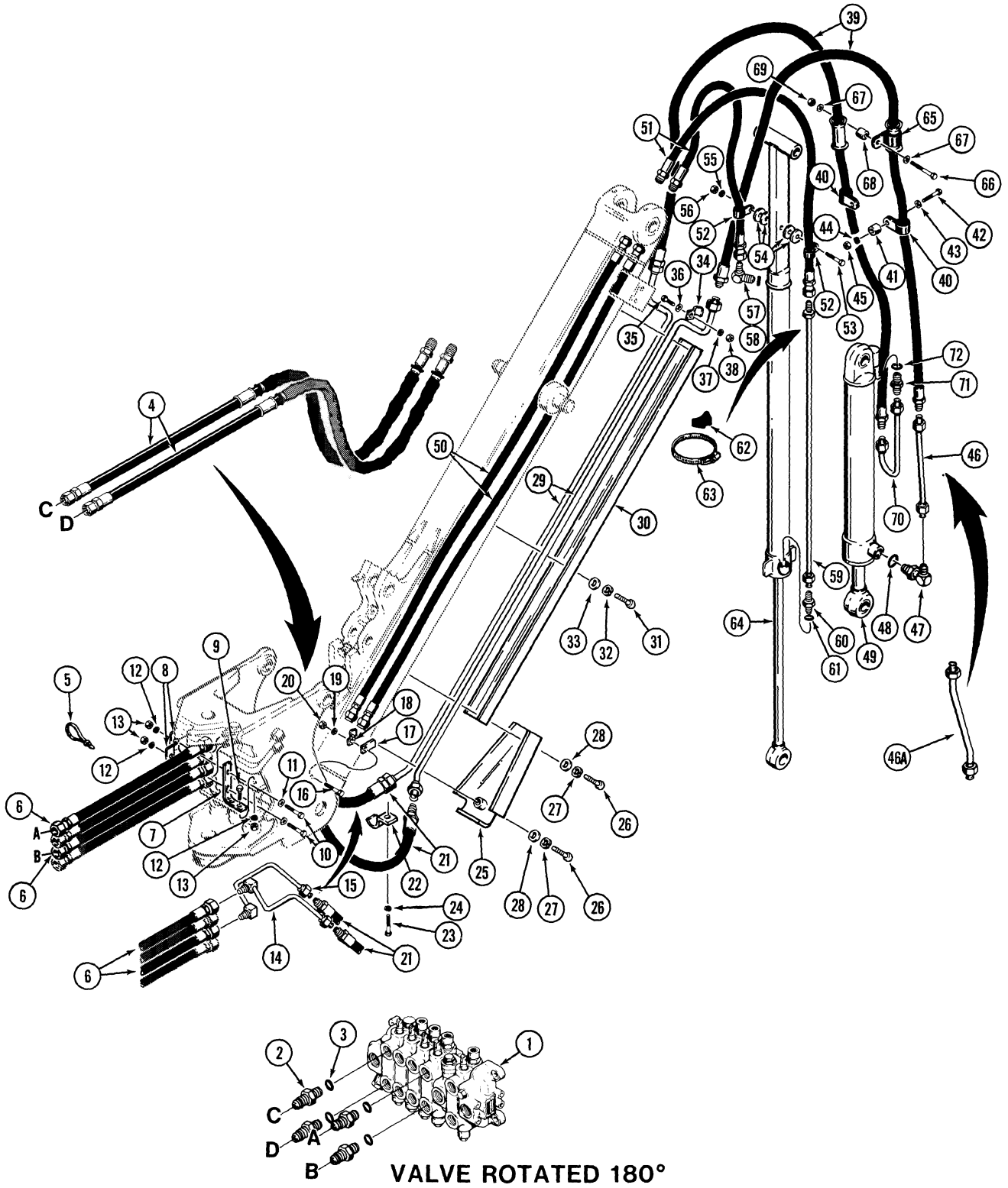
VALVE ROTATED 180°

**BACKHOE EXTENDABLE DIPPER HYDRAULIC CIRCUIT
TRACTOR SN. 9125069 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	VALVE - backhoe, parts list page 315	1
2	218- 5077	FITTING - straight, male	4
3	218- 5010	O-RING - fitting	1
4	*L 77825	HOSE - to extension cylinder, from backhoe valve to boom, 58" (1473 mm) long	2
5	L 18331	STRAP - hose tie	UAR
6	L 55955	HOSE - to bucket cylinder, 26-1/2" (673 mm) long	2
7	L 78210	BRACKET - hose support	1
8	D 40236	CLAMP - hose	2
9	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	1
10	13- 640	HHCS - 3/8" - 16 NC x 2-1/2"	2
11	95- 6	WASHER - flat	2
12	92- 6	WASHER - lock	3
13	25- 106	NUT - hex, 3/8" - 16 NC	3
14	L 78383	TUBE - to bucket cylinder, R.H.	1
15	L 78385	TUBE - to bucket cylinder, L.H.	1
16	13- 632	HHCS - 3/8" - 16 NC x 2"	2
17	L 78192	SPACER - tube	2
18	L 58147	CLAMP - tube	2
19	92- 6	WASHER - lock, 3/8"	2
20	25- 106	NUT - hex, 3/8" - 16 NC	2
21	L 78508	HOSE - to bucket cylinder, 27-1/2" (699 mm) long	2
22	L 58147	CLAMP - hose	2
23	13- 612	HHCS - 3/8" - 16 NC x 3/4"	2
24	92- 6	WASHER - lock, 3/8"	2
25	L 78387	GUARD - bucket tubes lower	1
26	164- 577	SCREW - button head, hex socket	2
27	92- 8	WASHER - lock, 1/2"	2
28	95- 8	WASHER - flat, 1/2"	2
29	L 78415	TUBE - to bucket cylinder	2
30	L 79141	GUARD - bucket tubes	1
31	164- 573	SCREW - button head, hex socket, 1/2" - 13 NC x 1-1/2"	2
32	92- 8	WASHER - lock, 1/2"	2
33	95- 8	WASHER - flat, 1/2"	2
34	L 25930	CLAMP - tube	2
35	13- 616	HHCS - 3/8" - 16 NC x 1"	2
36	95- 6	WASHER - flat, 3/8"	2
37	92- 6	WASHER - lock, 3/8"	2
38	25- 106	NUT - hex, 3/8" - 16 NC	2
39	L 78165	HOSE - to bucket cylinders, 98" (2489 mm) long	2
40	D 40471	CLAMP - hose	2
41	L 14794	SPACER - hose to support	2
42	13- 636	HHCS - 3/8" - 16 NC x 2-1/4"	2
43	95- 6	WASHER - flat, 3/8"	2
44	92- 6	WASHER - lock, 3/8"	2
45	25- 106	NUT - hex, 3/8" - 16 NC	2
46	L 77131	TUBE - bucket cylinder, rod end	1

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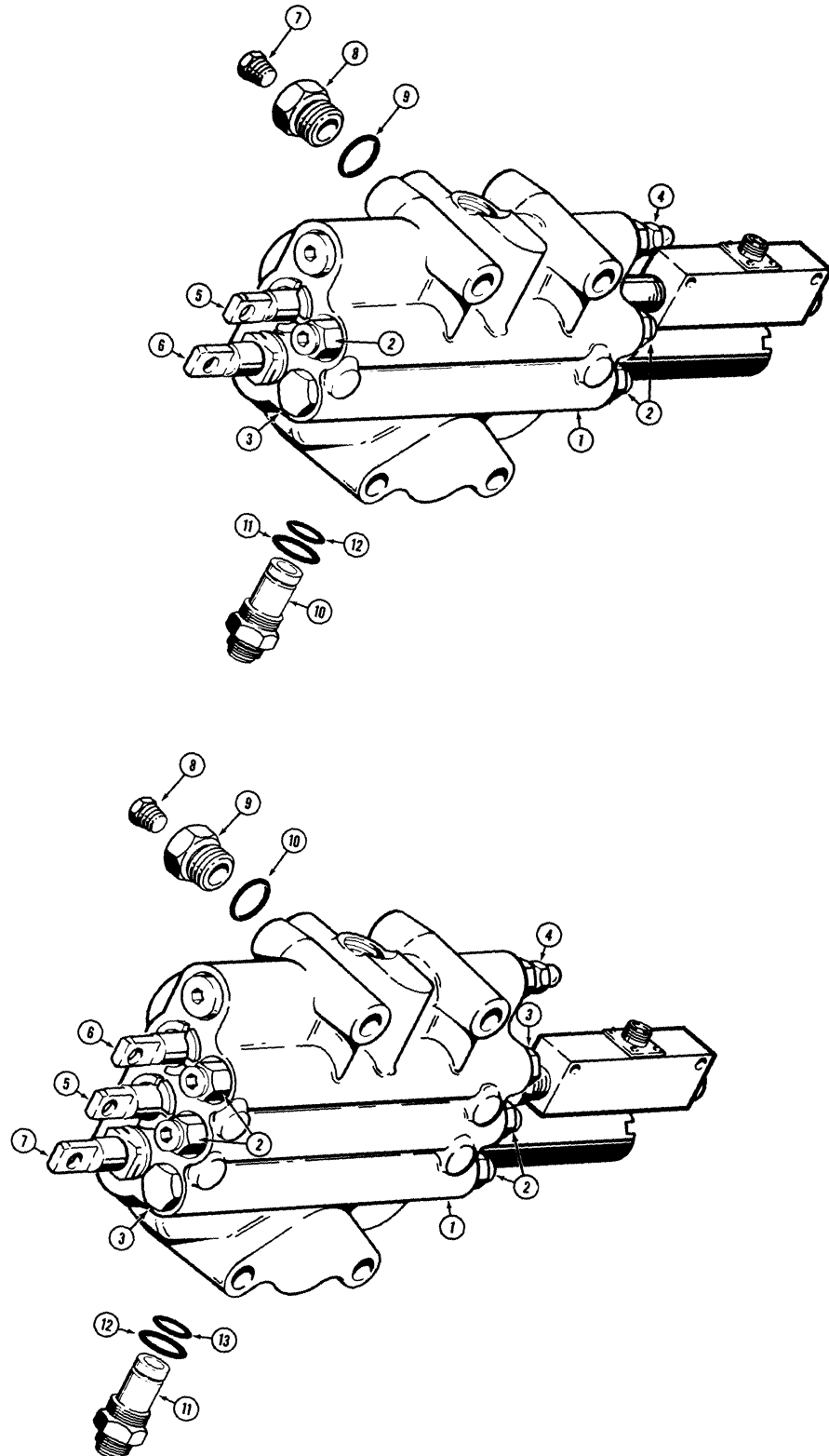
***NOTE:** On models without extendable dipper, D77825 hoses are used as bucket cylinder circuit hoses. See page 291 for these hoses and hose clamps.



**BACKHOE EXTENDABLE DIPPER HYDRAULIC CIRCUIT
TRACTOR SN. 9125069 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D
46A	L 100128	TUBE - bucket cylinder, rod end, models with dual lever controls only, if used	1
47	218- 5108	FITTING - male, 90°	1
48	218- 5008	O-RING - fitting	1
49	REF.	CYLINDER - bucket, see page 367	1
50	*L 58822	HOSE - to extension cylinder, 107" (2718 mm) long	2
51	L 76819	HOSE - to extension cylinder, 24" (609 mm) long	2
52	49858	CLAMP - hose	2
53	13- 652	HHCS - 3/8" - 16 NC x 3-1/4"	2
54	F 12215	WASHER - spacer	4
55	92- 6	WASHER - lock, 3/8"	1
56	25- 106	NUT - hex, 3/8" - 16 NC	1
57	218- 5121	FITTING - 90°, male	1
58	218- 5007	O-RING - fitting	1
59	L 54652	TUBE - extension cylinder	1
60	218- 5060	FITTING - straight	1
61	218- 5007	O-RING - fitting	1
62	D 38648	SPACER - tube, rubber	1
63	214- 265	CLAMP - adjustable	1
64	REF.	CYLINDER - extension, parts list page 369 or 371	1
65	D 40471	CLAMP - hose	2
66	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	2
67	195- 2034	WASHER - flat, 3/8"	4
68	L 78175	SPACER - hose clamp	2
69	131- 652	NUT - hex, self lock, 3/8" - 16 NC	2
70	L 58142	TUBE - bucket cylinder, closed end	1
71	218- 5064	FITTING - straight, male	1
72	218- 5008	O-RING - fitting	1

***NOTE:** On models without extendable dipper, D58822 hoses are used as bucket cylinder circuit hoses. See page 291 for hose clamps and hose guards used with these hoses.



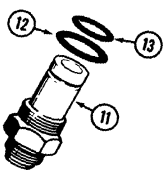
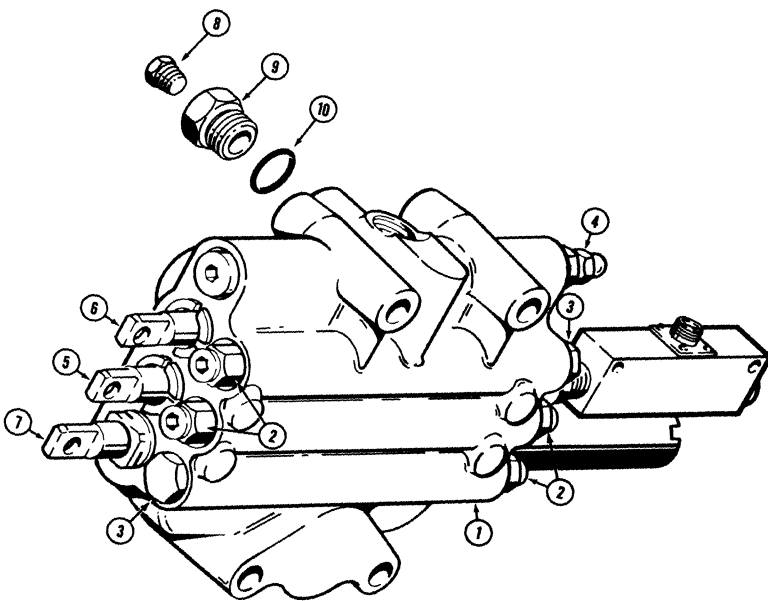
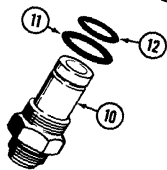
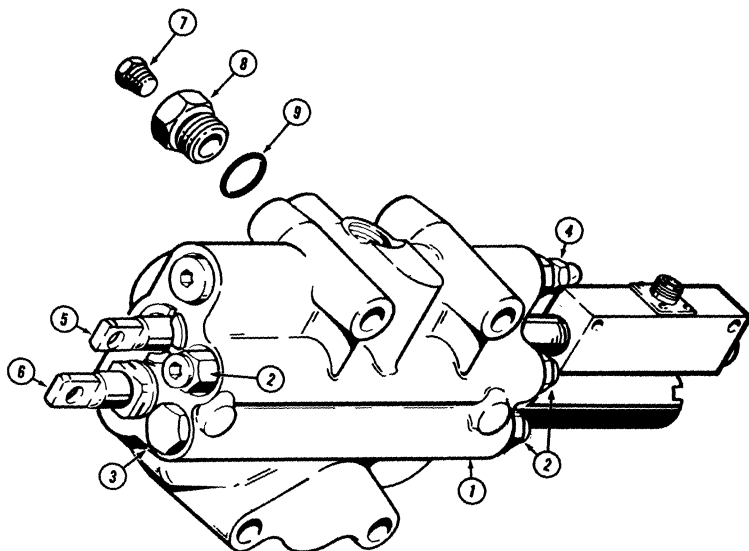
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 299

L55009 LOADER CONTROL VALVE (2 SPOOL)

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 55009	VALVE - loader control, 2 spool, before tractor sn. 9118604	1
2	NSS	VALVE - secondary relief, parts list page 311	3
3	NSS	VALVE - check, parts list page 311	1
4	NSS	VALVE - main relief, parts list page 309.....	1
5	L 36036	SPOOL - tilt with magnetic detent, parts list page 307	1
6	L 36037	SPOOL - lift, parts list page 303	1
7	221- 662	PLUG - pressure check adapter	1
8	D 38825	ADAPTER - pressure check	1
9	218- 5008	O-RING - adapter	1
10	L 30446	CONNECTOR - power beyond	1
11	218- 5010	O-RING - connector, large	1
12	L 32680	O-RING - connector, small	1

L55010 LOADER CONTROL VALVE (3 SPOOL)

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 55010	VALVE - loader control, 3 spool, before tractor sn. 9118604	1
2	NSS	VALVE - secondary relief, parts list page 311	4
3	NSS	VALVE - check, parts list page 311	2
4	NSS	VALVE - main relief, parts list page 309.....	1
5	L 36036	SPOOL - tilt with magnetic detent, parts list page 307	1
6	D 52300	SPOOL - clam, without magnetic detent, parts list page 309 ...	1
7	L 36037	SPOOL - lift, parts list page 303	1
8	221- 662	PLUG - pressure check adapter	1
9	D 38825	ADAPTER - pressure check	1
10	218- 5008	O-RING - adapter	1
11	L 30446	CONNECTOR - power beyond	1
12	218- 5010	O-RING - connector, large	1
13	L 32680	O-RING - connector, small	1



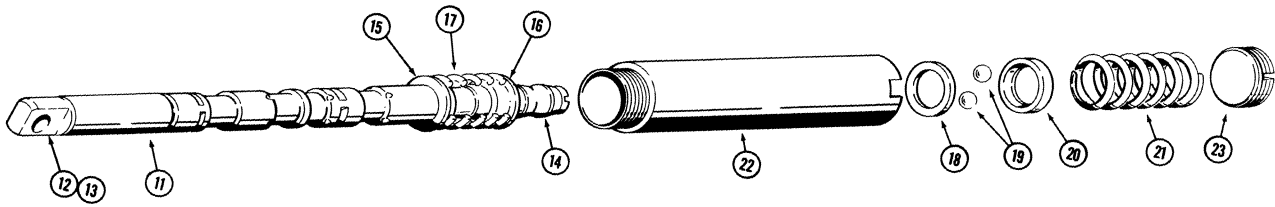
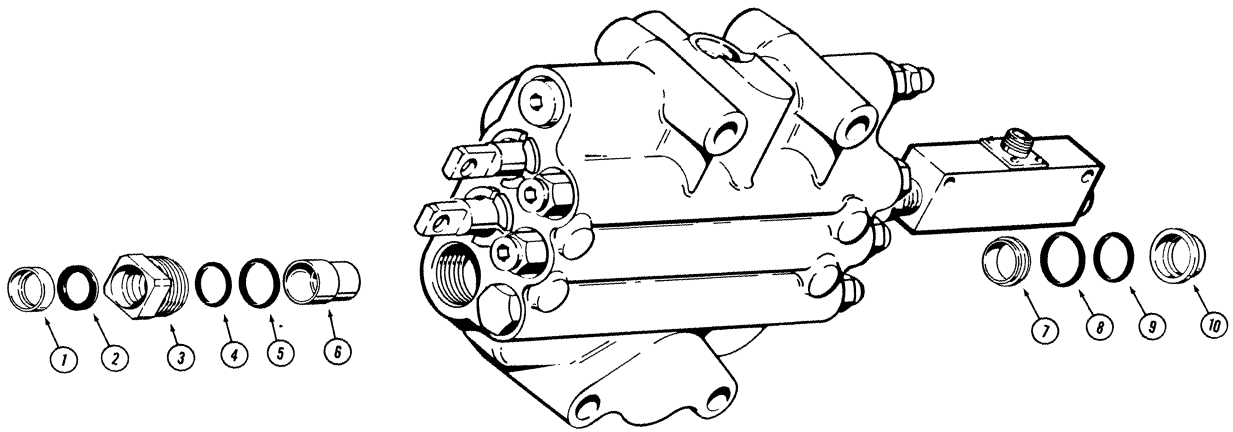
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 301

L71838 LOADER CONTROL VALVE (2 SPOOL)

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 71838	VALVE - loader control, 2 spool, tractor sn. 9118604 and after ...	1
2	NSS	VALVE - secondary relief, parts list page 311	3
3	NSS	VALVE - check, parts list page 311	1
4	NSS	VALVE - main relief, parts list page 309.....	1
5	L 36036	SPOOL - tilt with magnetic detent, parts list page 307	1
6	D 71232	SPOOL - lift, parts list page 305	1
7	221- 662	PLUG - pressure check adapter	1
8	D 38825	ADAPTER - pressure check	1
9	218- 5008	O-RING - adapter	1
10	L 30446	CONNECTOR - power beyond	1
11	218- 5010	O-RING - connector, large	1
12	L 32680	O-RING - connector, small	1

L71839 LOADER CONTROL VALVE (3 SPOOL)

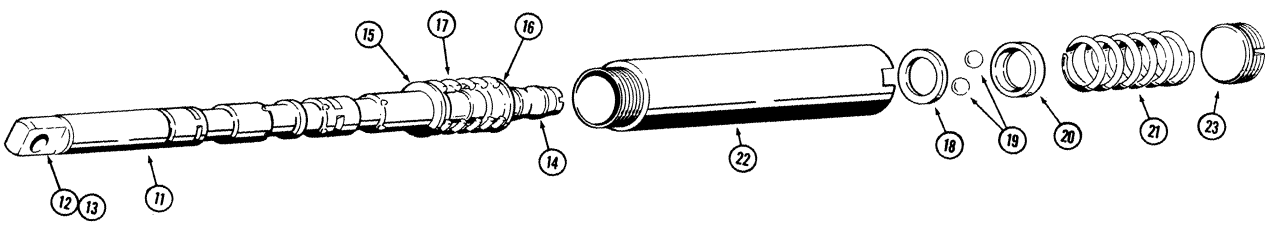
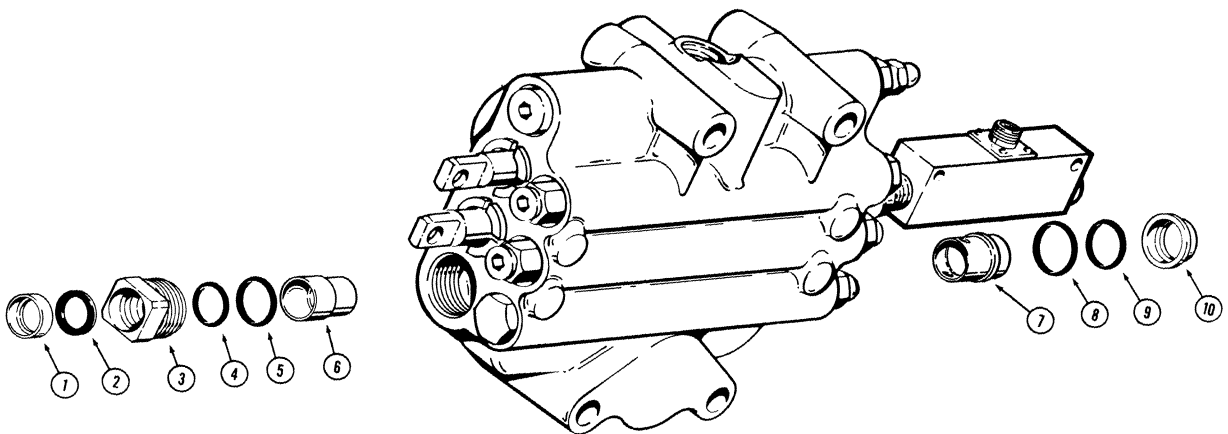
REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 71839	VALVE - loader control, 3 spool, tractor sn. 9118604 and after ...	1
2	NSS	VALVE - secondary relief, parts list page 311	4
3	NSS	VALVE - check, parts list page 311	2
4	NSS	VALVE - main relief, parts list page 309.....	1
5	L 36036	SPOOL - tilt with magnetic detent, parts list page 307	1
6	D 52300	SPOOL - clam, without magnetic detent, parts list page 309 ...	1
7	D 71232	SPOOL - lift, parts list page 305	1
8	221- 662	PLUG - pressure check adapter	1
9	D 38825	ADAPTER - pressure check	1
10	218- 5008	O-RING - adapter	1
11	L 30446	CONNECTOR - power beyond	1
12	218- 5010	O-RING - connector, large	1
13	L 32680	O-RING - connector, small	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 303

**LOADER CONTROL VALVE
LIFT SPOOL
BEFORE TRACTOR SN 9118604**

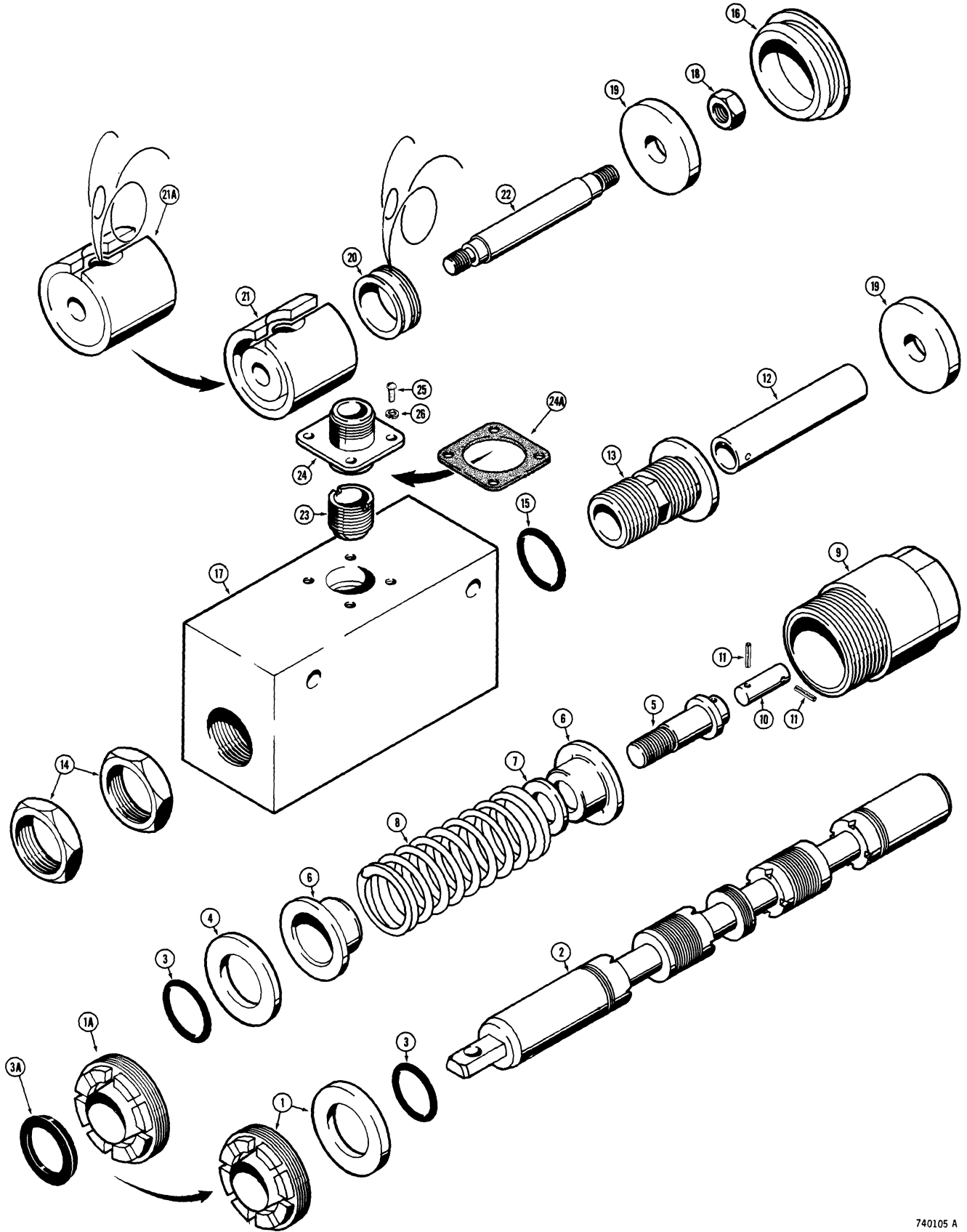
REF.	PART NO.	DESCRIPTION	REQ'D.
	L 36037	SPOOL ASSEMBLY - lift	1
1	D 37153	RETAINER - wiper ring	1
2	A 14527	RING - wiper	1
3	D 37152	GLAND - spool	1
4	A 27365	O-RING - gland, small	1
5	D 37156	O-RING - gland, large	1
6	D 37076	SLEEVE - spool, lug end	1
7	D 33857	RETAINER - O-Ring	1
8	A 7623	O-RING - housing, large	1
9	A 27365	O-RING - spool, small	1
10	D 33856	RETAINER - O-ring	1
11	L 36052	SPOOL - lift	1
12	E 88928	EYE - spool	1
13	218- 5005	O-RING - spool eye	1
14	L 30453	STUD - detent	1
15	A 16879	RETAINER - spring, at spool	1
16	A 16881	RETAINER -spring, at stud	1
17	L 36053	SPRING - centering	1
18	L 30455	WASHER - detent	1
19	211- 11	BALL - detent, 9/32" dia.	8
20	L 30456	CAM - detent	1
21	L 36054	SPRING - detent	1
22	L 30454	CAP - valve, detent	1
23	L 30458	PLUG - detent adjustment	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 305

**LOADER CONTROL VALVE
LIFT SPOOL
TRACTOR SN. 9118604 AND AFTER**

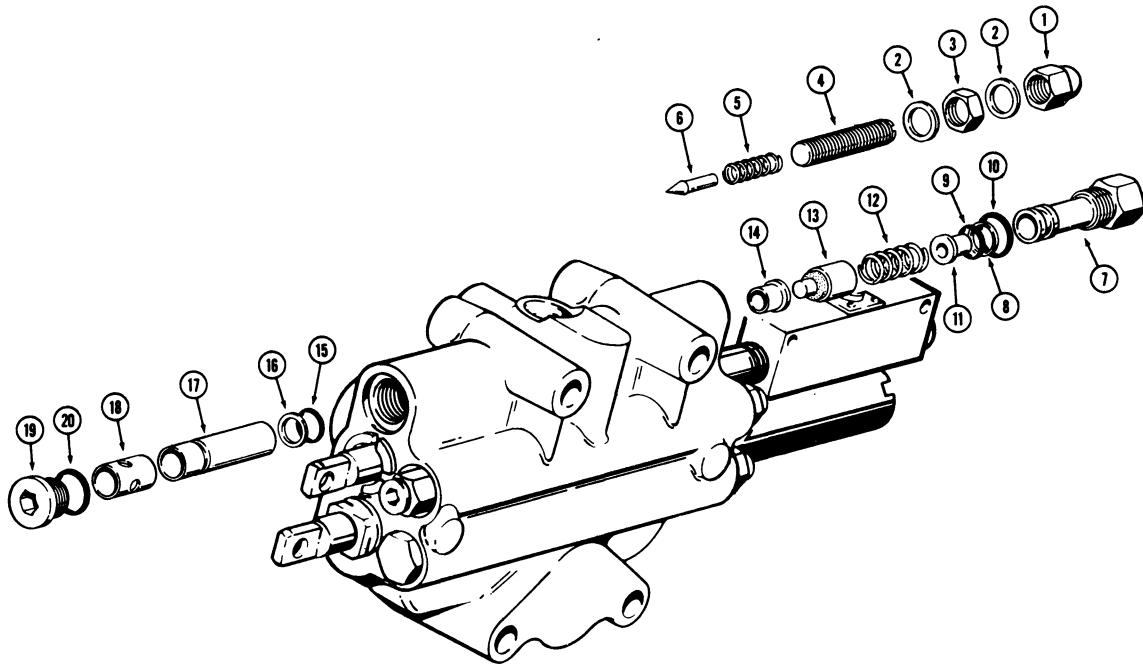
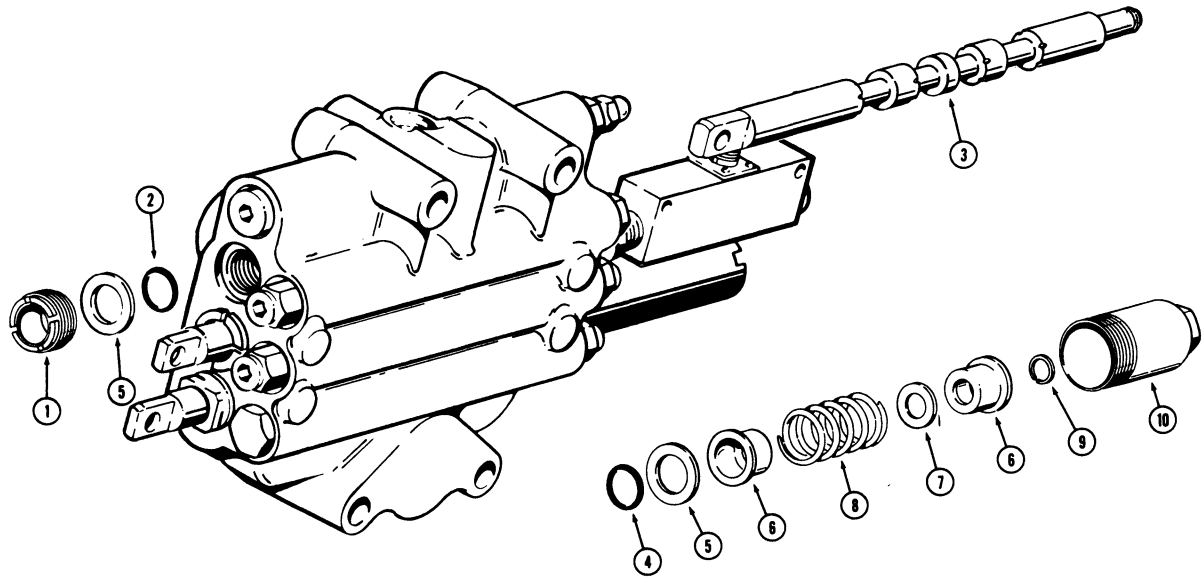
REF.	PART NO.	DESCRIPTION	REQ'D.
	D 71232	SPOOL ASSEMBLY - lift	1
1	D 37153	RETAINER - wiper ring	1
2	A 14527	RING - wiper	1
3	D 37152	GLAND - spool	1
4	A 27365	O-RING - gland, small	1
5	D 37156	O-RING - gland, large	1
6	D 37076	SLEEVE - spool, lug end	1
7	D 71282	RETAINER - O-ring	1
8	A 7623	O-RING - housing, large	1
9	R 17547	O-RING - spool small	1
10	D 33856	RETAINER - O-ring	1
11	L 36052	SPOOL - lift	1
12	E 88928	EYE - spool	1
13	218- 5005	O-RING - spool eye	1
14	L 30453	STUD - detent	1
15	A 16879	RETAINER - spring, at spool	1
16	A 16881	RETAINER - spring, at stud	1
17	L 36053	SPRING - centering	1
18	L 30455	WASHER - detent	1
19	211- 11	BALL - detent, 9/32" dia.	8
20	L 30456	CAM - detent	1
21	L 36054	SPRING - detent	1
22	L 30454	CAP - valve, detent	1
23	L 30458	PLUG - detent adjustment	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 307

**LOADER CONTROL VALVE
TILT SPOOL**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 36036	SPOOL ASSEMBLY - loader tilt	1
1	L 30744	RETAINER AND WIPER - spool, used with item 3	1
1A	D 80412	RETAINER AND WIPER - spool, used with item 3A	1
2	L 36051	SPOOL - loader tilt	1
3	A 27365	O-RING - spool	2
3A	D 80411	SEAL - wiper, lip type, used with item 1A	1
4	A 14535	RETAINER - spool O-ring	1
5	L 36048	PLUG - spool end	1
6	A 14533	RETAINER - spring	2
7	A 25286	WASHER - spacer	1
8	A 25285	SPRING - centering	1
9	L 36047	COVER - centering spring	1
10	D 33858	LINK - detent	1
11	138- 2012	PIN - connecting, link to spacer	2
12	L 36049	SPACER - detent	1
13	L 36046	CONNECTOR - detent housing to coil housing	1
14	L 36045	NUT - lock, housing	2
15	F 62114	O-RING - connector	1
16	L 36039	CAP - detent housing	1
17	L 36040	HOUSING - detent coil	1
18	25- 114	NUT - hex., lock, 1/4" - 28 NF	1
19	L 36038	CLAPPER - washer	2
20	L 36044	COIL - magnetic, early production, order item 21A	1
21	L 36041	SLEEVE - coil spacer, early production, order item 21A	1
21A	D 80409	COIL AND HOLDER - late production, replaces items 20 and 21	1
22	L 36050	SPACER - clapper	1
23	L 36042	TUBE - wire	1
24	L 36043	CONNECTOR - electrical, coil	1
24A	D 80410	GASKET - connector to housing, if used	1
25	173- 26	SCREW - machine, round head, #4 x 5/16"	4
26	192- 53	WASHER - heavy lock, #4	4



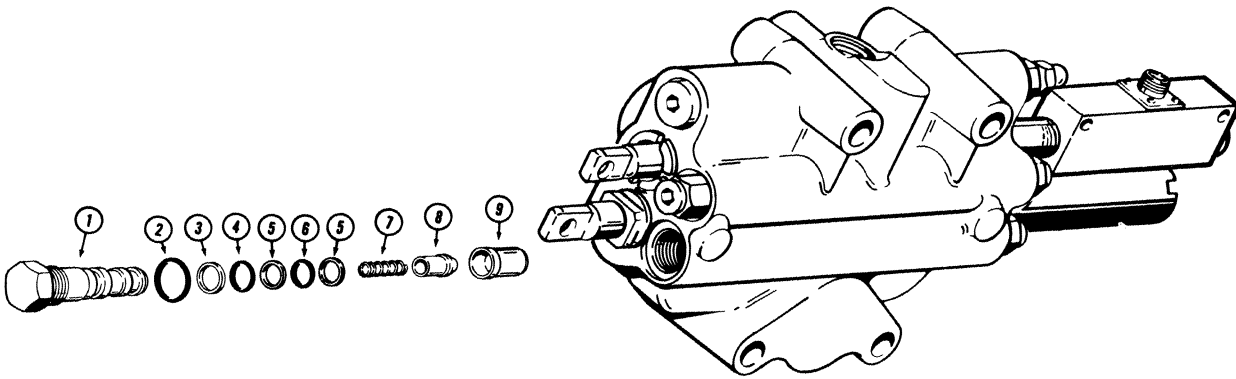
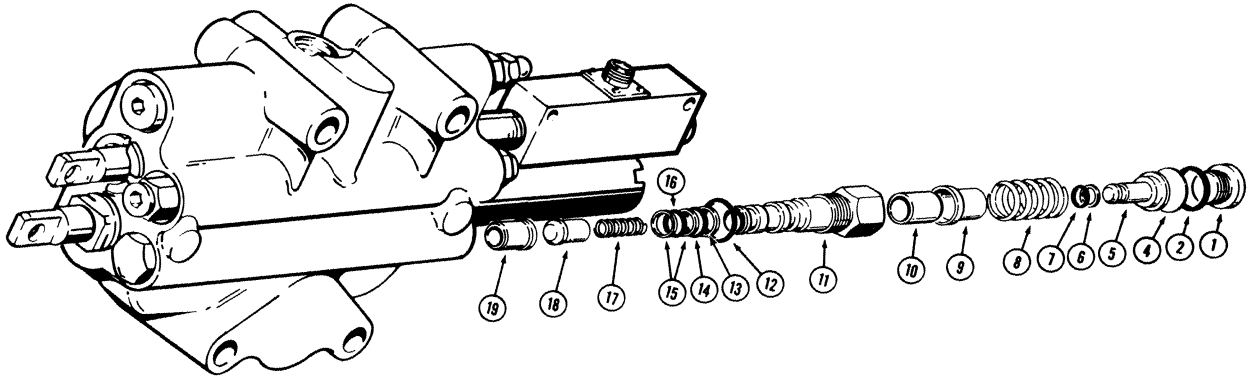
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 309

**LOADER CONTROL VALVE
CLAM SPOOL**

REF.	PART NO.	DESCRIPTION	REQ'D.
	D 52300	SPOOL ASSEMBLY - clam	1
1	L 30744	GLAND AND WIPER - spool	1
2	A 27365	O-RING - spool	1
3	NSS	SPOOL - clam control	1
4	A 27365	O-RING - spool	1
5	A 14535	RETAINER - O-ring	2
6	A 14533	RETAINER - spring	2
7	A 25286	WASHER - centering spring	1
8	A 25285	SPRING - spool return	1
9	A 27020	RING - retaining	1
10	A 14529	CAP - spool	1

MAIN RELIEF VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	129- 514	NUT - acorn, main relief valve	1
2	D 26270	WASHER - special	2
3	25- 155	NUT - hex., lock, 5/16" - 24 NF	1
4	176- 296	SCREW - adjusting, main relief valve, 5/16" - 24 NF x 1-3/4"	1
5	D 26268	SPRING - pilot	1
6	D 26267	PLUNGER - relief valve	1
7	A 25291	CAP - relief valve	1
8	L 30443	RING - backup, L30444 seal	1
9	L 30444	O-RING - relief valve cap, small	1
10	218- 5006	O-RING - relief valve cap, large	1
11	D 26266	SEAT - plunger	1
12	D 52319	SPRING - relief valve	1
13	D 37062	POPPET ASSEMBLY - main relief valve	1
14	D 37063	SEAT - poppet	1
15	L 30444	O-RING - sleeve	1
16	L 30443	RING - backup	1
17	D 37064	SLEEVE - poppet seat	1
18	D 37065	SLEEVE - drain	1
19	218- 5210	PLUG - main relief valve	1
20	218- 5006	O-RING - plug	1

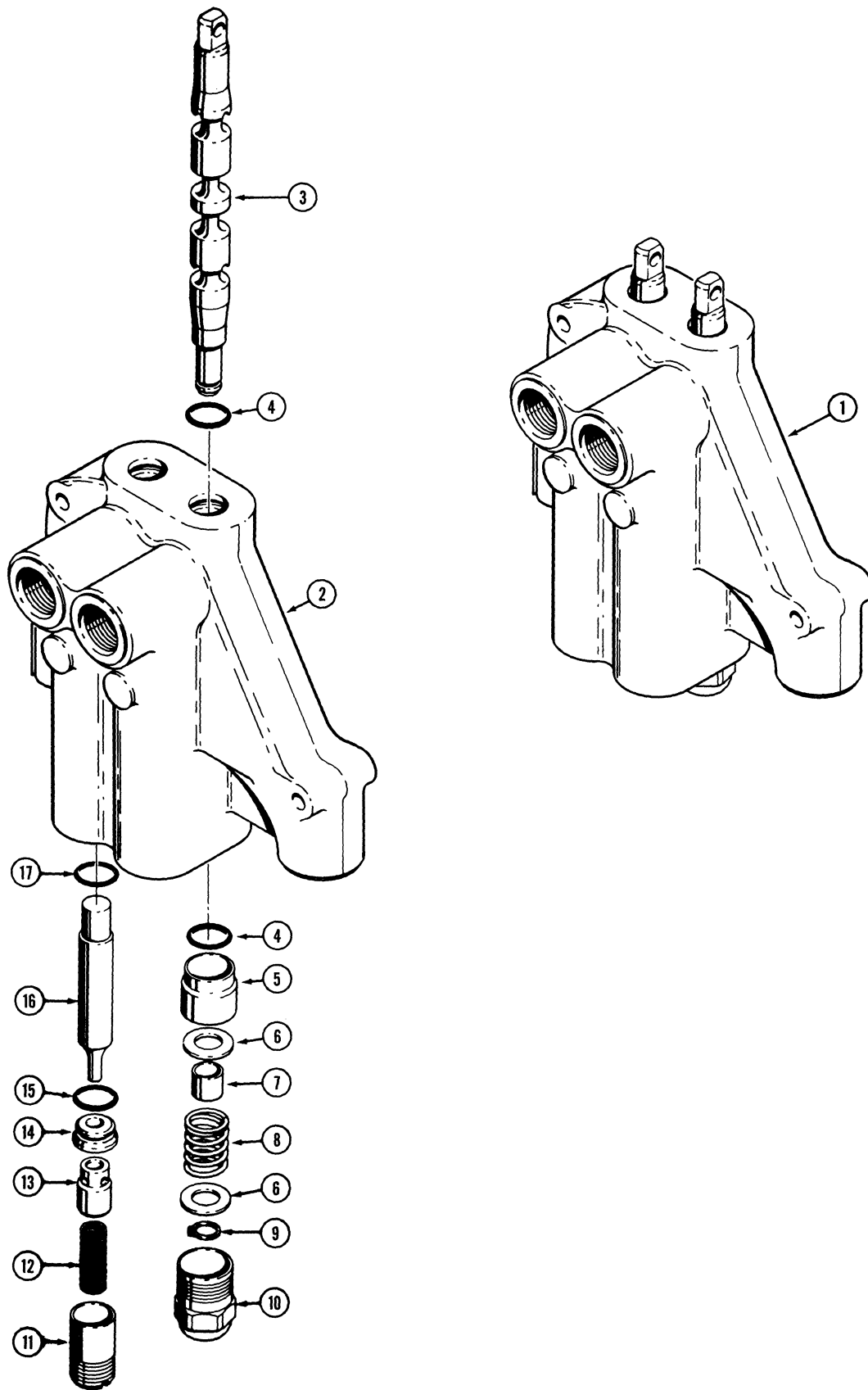


**LOADER CONTROL VALVE
SECONDARY RELIEF VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	218- 5210	PLUG - secondary relief	1
2	218- 5006	O-RING - plug	1
3		RESERVED	
4	L 36077	SHIM - spring guide	UAR
5	D 37150	GUIDE - spring	1
6	D 54860	RING - backup, spring guide	1
7	T 41959	O-RING - spring guide	1
8	D 37148	SPRING - plunger	1
9	D 37151	PLUNGER - relief valve	1
10	D 37075	SEAT - plunger	1
11	D 37072	BODY - secondary relief valve	1
12	218- 5007	O-RING - valve body, large	1
13	D 37071	RING - backup, center O-ring	1
14	D 26265	O-RING - relief body, center	1
15	D 37070	RING - backup, small O-ring	2
16	D 26872	O-RING - relief body, small	1
17	D 37067	SPRING - poppet	1
18	D 37068	POPPET - check valve	1
19	D 40358	SEAT - poppet	1

CHECK VALVE

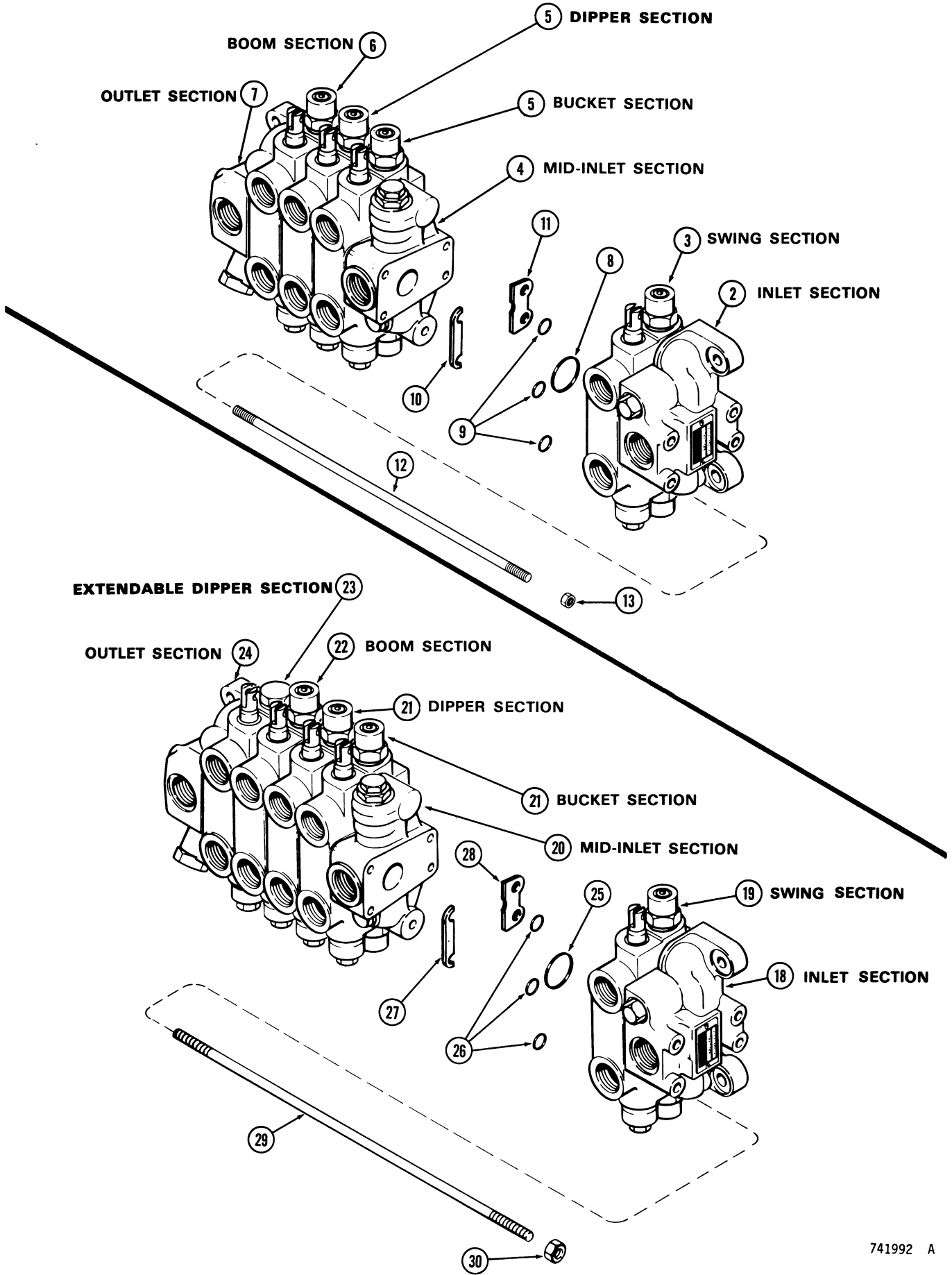
REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 37066	CAP - check valve	1
2	218- 5007	O-RING - check valve cap, large	1
3	D 37071	RING - backup, center O-ring	1
4	D 26265	O-RING - check valve cap, center	1
5	D 37070	RING - backup, small O-ring	2
6	D 26872	O-RING - check valve cap, small	1
7	D 37067	SPRING - check valve	1
8	D 37068	POPPET - check valve	1
9	D 40358	SEAT - poppet	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 313

D62348 STABLIZER CONTROL VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 62348	VALVE ASSEMBLY - stablizer control, Cessna No. 39042-AAE . . .	1
2	NSS	BODY - valve	1
3	NSS	SPOOL - control valve	1
4	D 56443	O-RING - valve spool	4
5	D 56439	BUSHING - valve spool	2
6	F 8235	WASHER - spring retainer	4
7	D 56909	SPACER - spring	2
8	D 56445	SPRING - spool return	2
9	A 27020	RING - retaining, washer	2
11	D 59653	PLUG - spring retainer	2
12	D 56444	SPRING - poppet	2
13	D 59654	POPPET - valve	2
14	D 56455	SEAT - plunger	2
15	D 48359	O-RING - seat	2
16	D 59655	PLUNGER - valve	2
17	D 31410	O-RING - plunger	2



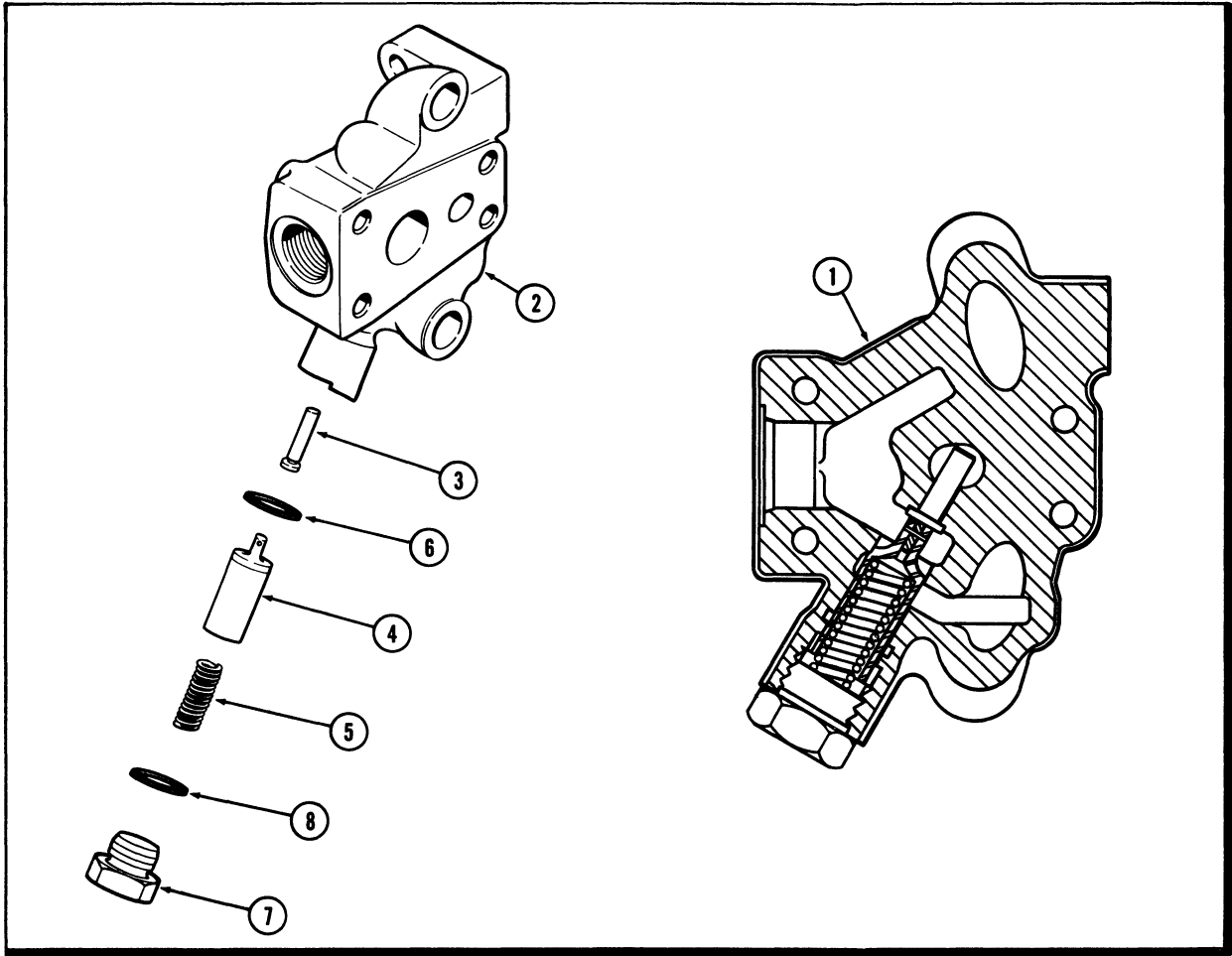
BACKHOE CONTROL VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34669	VALVE ASSEMBLY - control, 7 section valve, not shown, used before tractor sn. 9121632	1
1	G 100191	VALVE ASSEMBLY - control, 7 section valve, not shown, used on tractor sn. 9121632 and after	1
2	G 33102	INLET SECTION - see page 317	1
3	REF.	SWING SECTION - see page 327	1
4	REF.	MID-INLET SECTION - see page 325 for proper section	1
5	REF.	BUCKET & DIPPER SECTIONS - see page 319	2
6	REF.	BOOM SECTION see page 321	1
7	G 33108	OUTLET SECTION - see page 317	1
8	G 34001	O-RING - section ports	6
9	G 34000	O-RING - section ports	18
10	G 33964	SHIM - section, top, .002" (0.05 mm)	6
11	G 33965	SHIM - section, bottom, .002" (0.05 mm)	6
12	G 34675	ROD - tie, valve sections	4
13	25- 106	NUT - hex., 3/8" - 16 NC	8
14		RESERVED	
15		RESERVED	
16		RESERVED	

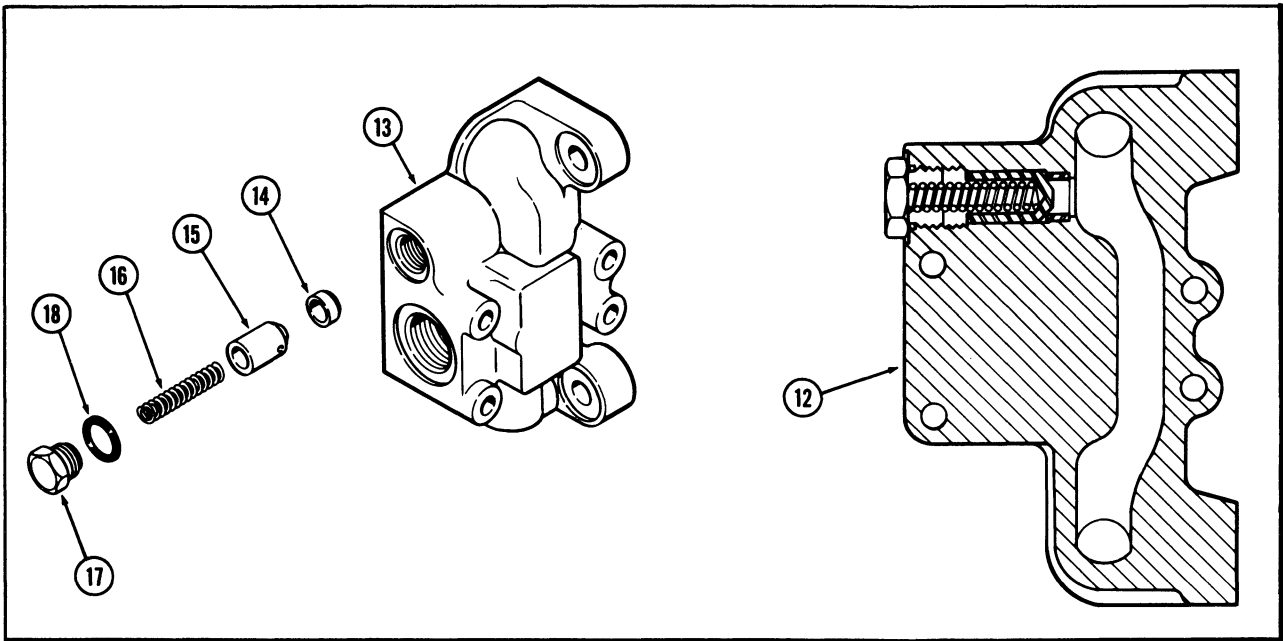
**BACKHOE CONTROL VALVE
USED ON EXTENDAHOE MODELS**

17	G 34670	VALVE ASSEMBLY - control, 8 section valve, not shown, used before tractor sn. 9121632	1
17	G 100183	VALVE ASSEMBLY - control, 8 section valve, not shown, used on tractor sn. 9121632 and after	1
18	G 33102	INLET SECTION - see page 317	1
19	REF.	SWING SECTION - see page 327	1
20	REF.	MID-INLET SECTION - see page 325 for proper section	1
21	REF.	BUCKET & DIPPER SECTIONS - see page 319	2
22	REF.	BOOM SECTION - see page 321	1
23	REF.	EXTENDABLE DIPPER SECTION - see page 329	1
24	G 33108	OUTLET SECTION - see page 317	1
25	G 34001	O-RING - section ports	7
26	G 34000	O-RING - section ports	21
27	G 33964	SHIM - section, top, .002" (0.05 mm)	7
28	G 33965	SHIM - section, bottom, .002" (0.05 mm)	7
29	G 33124	ROD - tie, valve sections	4
30	25- 106	NUT - hex., 3/8" - 16 NC	8

G33108 OUTLET SECTION



G33102 INLET SECTION



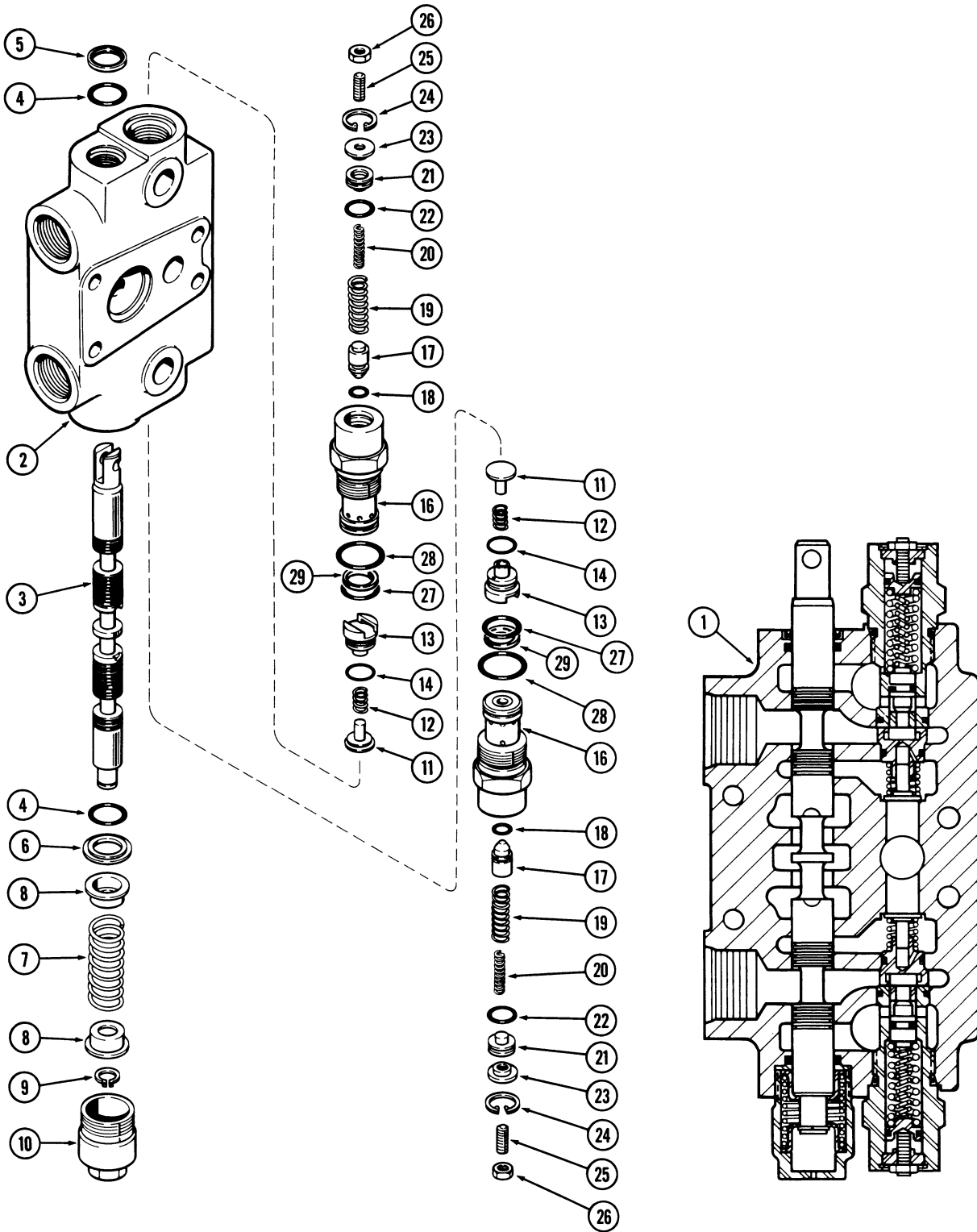
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 317

**BACKHOE CONTROL VALVE
OUTLET SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 33108	SECTION ASSEMBLY - outlet	1
2	NSS	MANIFOLD - section body	1
3	G 33110	PISTON - regeneration sensing	1
4	G 34586	SPOOL - regeneration	1
5	G 33112	SPRING - regeneration spool, free length	1
6	A 35104	O-RING - manifold	1
7	G 33113	PLUG - regeneration spool	1
8	218- 5009	O-RING - plug	1

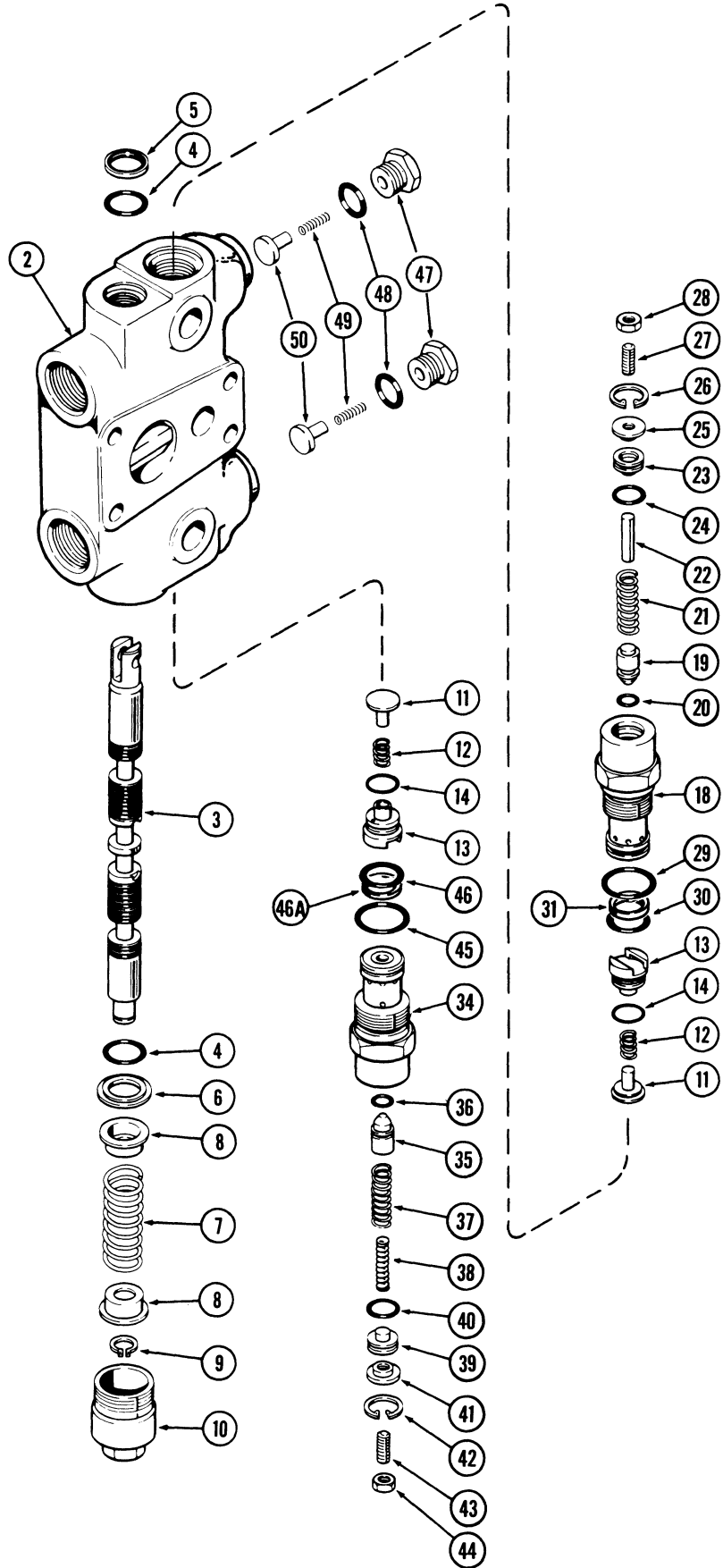
INLET SECTION

12	G 33102	SECTION ASSEMBLY- inlet	1
13	NSS	MANIFOLD - section body	1
14	G 33104	SEAT - check valve poppet	1
15	G 33105	POPPET - check valve	1
16	G 33106	SPRING - check valve	1
17	A 39586	PLUG - check valve	1
18	218- 5007	O-RING - plug	1



BACKHOE CONTROL VALVE
DIPPER AND BUCKET SECTIONS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34671	SECTION ASSEMBLY - dipper and bucket, order G100195 section	2
1	G 100195	SECTION ASSEMBLY - dipper and bucket	2
2	NSS	BODY - section	1
3	NSS	SPOOL - section	1
4	A 27365	O-RING - body	2
5	A 32309	SEAL - valve spool	1
6	G 33803	RETAINER - body O-ring	1
7	G 34463	SPRING - spool centering	1
8	G 33075	RETAINING - centering spring	2
9	G 33077	RING - snap, retainer	1
10	G 33080	CAP - centering spring	1
11	G 33081	POPPET - load check	2
12	G 33573	SPRING - load check	2
13	G 33084	PLUG - load check	2
14	G 33686	O-RING - plug	2
15		RESERVED	
	*G 34672	VALVE ASSEMBLY - relief	2
16	NSS	BODY - relief valve	1
17	NSS	POPPET - relief valve	1
18	A 28090	O-RING - poppet	1
19	G 33090	SPRING - relief valve, outer	1
20	G 34659	SPRING - relief valve, inner	1
21	G 33091	PISTON - relief valve	1
22	D 31409	O-RING - piston	1
23	G 33092	RETAINER - relief valve	1
24	G 46150	RING - snap, retainer	1
25	178- 630	SCREW - set, piston adjusting, 1/4" - 20 NC x 3/4"	1
26	25- 144	NUT - lock, 1/4" - 20 NC	1
27	218- 5008	O-RING - valve body, large	1
28	G 100959	O-RING - valve body, small	1
29	G 35540	RING - backup, if used	1
	*G 34862	KIT - service, relief valve, this kit will service the complete relief valve and includes items 16 thru 28	2



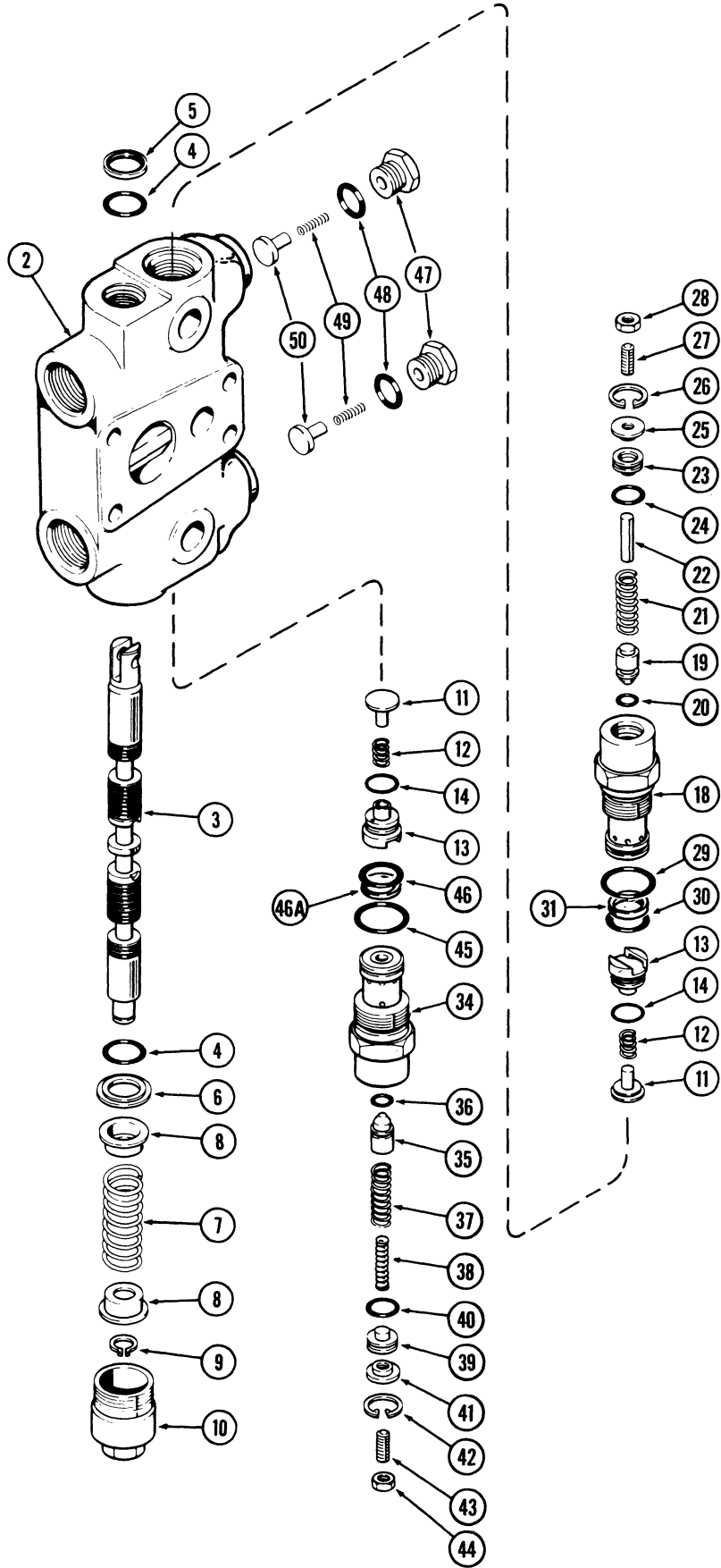
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 321

**BACKHOE CONTROL VALVE
BOOM SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34460	SECTION ASSEMBLY - boom, not shown, order G100194 section	1
1	G 100194	SECTION ASSEMBLY - boom, not shown	1
2	NSS	BODY - boom section	1
3	NSS	SPOOL - boom section	1
4	A 27365	O-RING - body	2
5	A 32309	SEAL - valve spool	1
6	G 33803	RETAINER - body O-ring	1
7	G 34463	SPRING - spool centering	1
8	G 33075	RETAINING - centering spring	2
9	G 33077	RING - snap, retaining	1
10	G 33080	CAP - centering spring	1
11	G 33081	POPPET - load check	2
12	G 33573	SPRING - load check	2
13	G 33084	PLUG - load check	2
14	G 33686	O-RING - plug	2
15		RESERVED	
16		RESERVED	
17		RESERVED	
	*G 34052	VALVE ASSEMBLY - relief, upper	1
18	NSS	BODY - relief valve	1
19	NSS	POPPET - relief valve	1
20	A 28090	O-RING - poppet	1
21	G 33090	SPRING - relief valve	1
22	G 33241	PIN - stop, relief valve	1
23	G 33091	PISTON - relief valve	1
24	D 31409	O-RING - piston	1
25	G 33092	RETAINER - relief valve	1
26	G 46150	RING - snap, retainer	1
27	178- 630	SCREW - set, piston adjusting, 1/4" - 20 NC x 3/4"	1
28	25- 144	NUT - lock, 1/4" - 20 NC	1
29	218- 5008	O-RING - valve body, large	1
30	G 100959	O-RING - valve body, small	1
31	D 35540	RING - backup, if used	1
32		RESERVED	
33		RESERVED	
	*G 34595	VALVE ASSEMBLY - relief, lower, includes items 34 thru 46A .	1
34	NSS	BODY - relief valve	1
35	NSS	POPPET - relief valve	1
36	A 28090	O-RING - poppet	1

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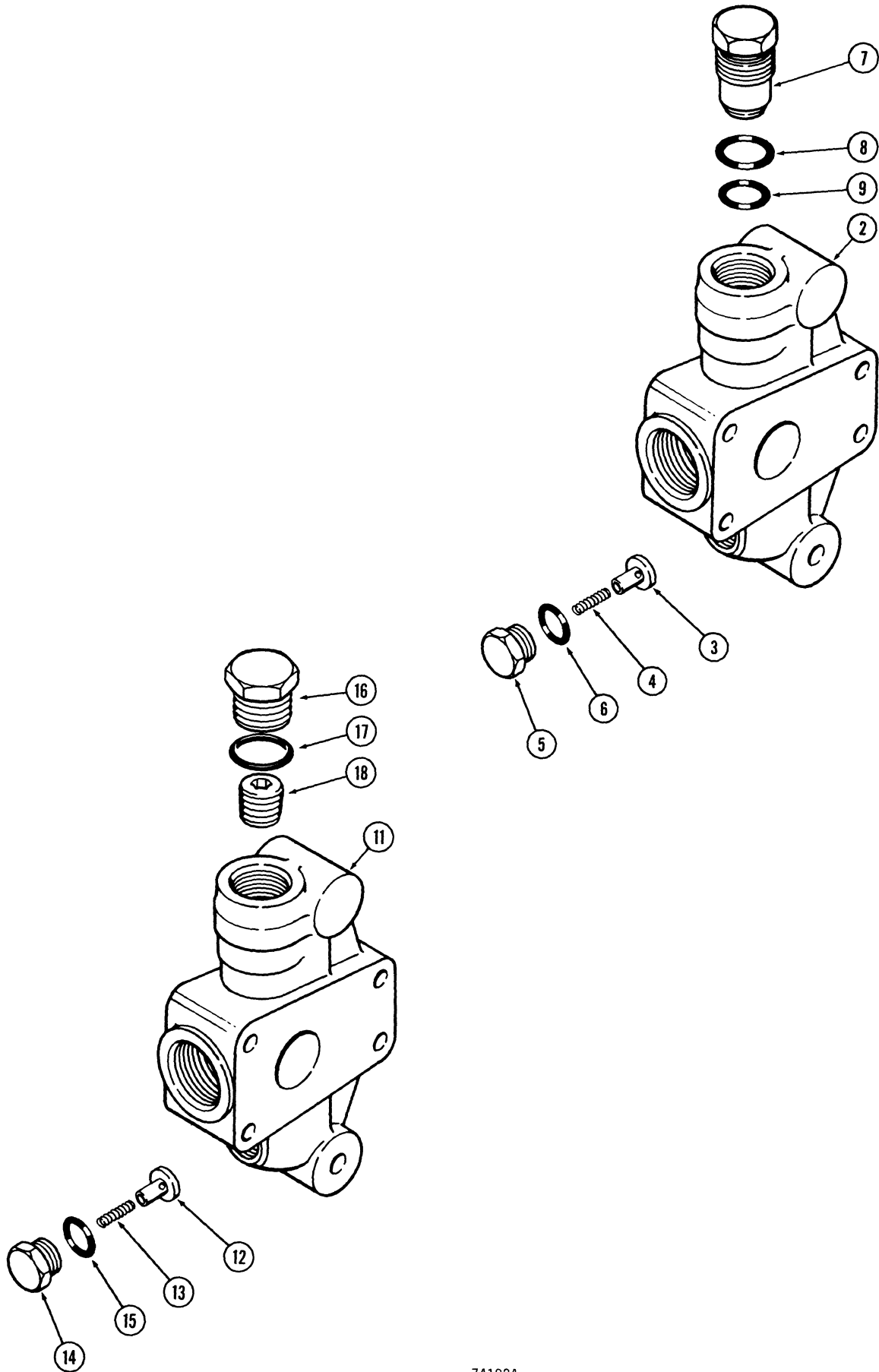
*G	34862	KIT - service, relief valve, this kit will service either complete relief valve and includes items 18 thru 31 or 34 thru 46A	2
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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 323

**BACKHOE CONTROL VALVE
BOOM SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
	REF.	SECTION ASSEMBLY - boom, continued from page 321	1
*G	34595	VALVE ASSEMBLY — relief, lower, continued from page 321	1
37	G 33090	SPRING - relief valve, outer	1
38	G 34659	SPRING - relief valve, inner	1
39	G 33091	PISTON - relief valve	1
40	D 31409	O-RING - piston	1
41	G 33092	RETAINER - relief valve	1
42	G 46150	RING - snap, retainer	1
43	178- 630	SCREW - set, piston adjusting, 1/4" - 20 NC x 3/4"	1
44	25- 144	NUT - lock, 1/4" - 20 NC	1
45	218- 5008	O-RING - valve body, large	1
46	G 100959	O-RING - valve body, small	1
46A	D 35540	RING - backup, if used	1
47	G 34937	PLUG - anticavitation, G100194 section only	2
48	218- 5007	SEAL - O-ring, G100194 section only	2
49	G 34458	SPRING - poppet, G100194 section only	2
50	G 34938	POPPET - anticavitation, G100194 section only	2
*G	34862	KIT - service, relief valve, this kit will service either complete relief valve and includes items 18 thru 31 or 34 thru 46A	2



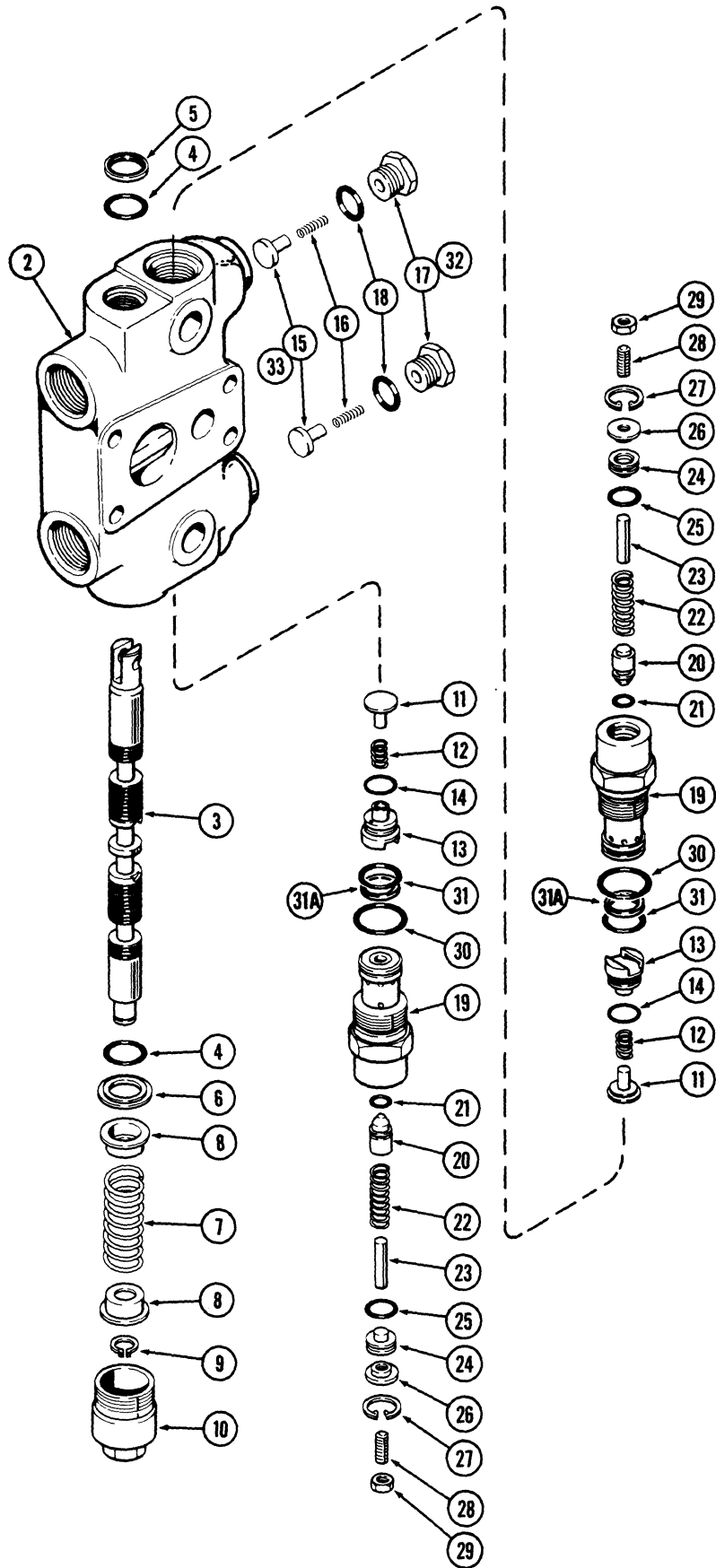
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 325

**BACKHOE CONTROL VALVE
G34843 MID-INLET SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34843	MANIFOLD ASSEMBLY - mid-inlet section, not shown	1
2	NSS	BODY - manifold	1
3	G 34938	POPPET - check valve	1
4	G 34458	SPRING - check valve	1
5	G 34937	PLUG - check valve	1
6	218- 5007	O-RING - plug	1
	G 34844	PLUG ASSEMBLY - manifold port	1
7	NSS	PLUG	1
8	D 39717	O-RING - upper	1
9	G 34846	O-RING - lower	1

G34895 MID-INLET SECTION

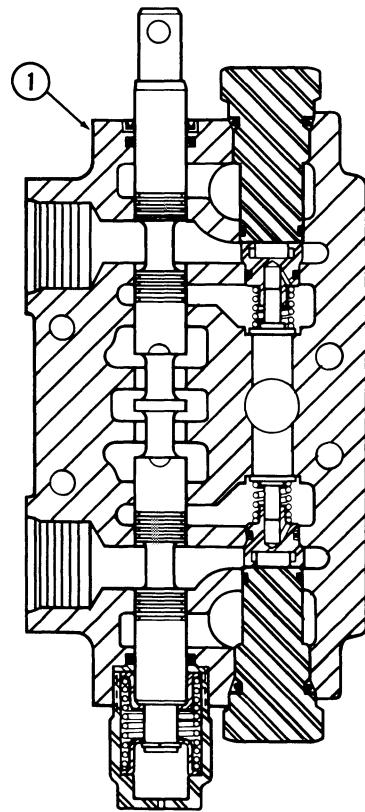
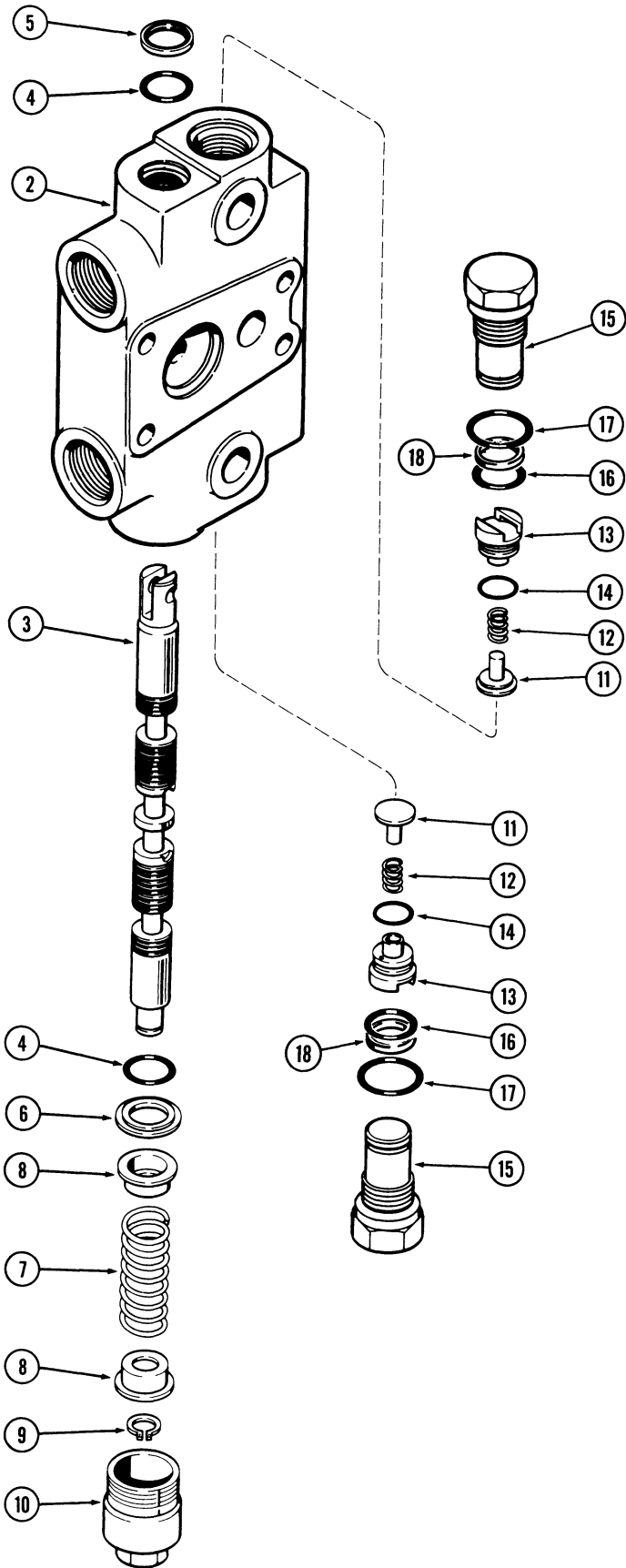
10	G 34895	MANIFOLD ASSEMBLY - mid-inlet section, not shown	1
11	NSS	BODY - manifold	1
12	G 34938	POPPET - check valve	1
13	G 34458	SPRING - check valve	1
14	G 34937	PLUG - check valve	1
15	218- 5007	O-RING - plug	1
	218- 5159	PLUG ASSEMBLY - manifold port	1
16	NSS	PLUG	1
17	218- 5009	O-RING - plug	1
18	221- 844	PLUG - pipe, square socket head, 1/2" NPT	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 327

**BACKHOE CONTROL VALVE
SWING SECTION**

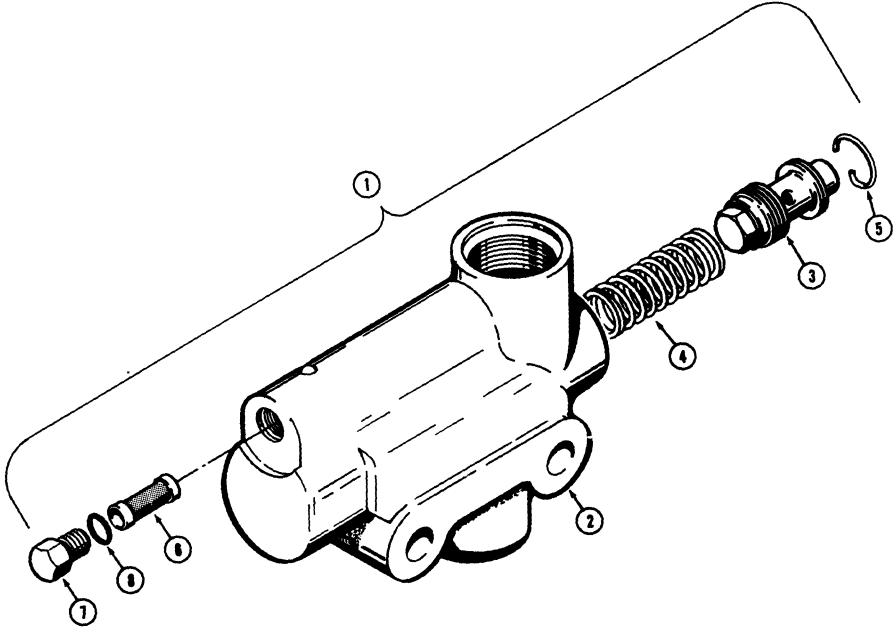
REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34658	SECTION ASSEMBLY - swing, order G100192 section	1
1	G 34941	SECTION ASSEMBLY - swing, order G100192 section	1
1	G 100192	SECTION ASSEMBLY - swing	1
2	NSS	BODY swing section	1
3	NSS	SPOOL - swing section	1
4	A 27365	O-RING - body	2
5	A 32309	SEAL - valve spool	1
6	G 33803	RETAINER - body O-ring	1
7	G 34463	SPRING - spool centering	1
8	G 33075	RETAINER - centering spring	2
9	G 33077	RING - snap, retainer to spool	1
10	G 33080	CAP - centering spring	1
11	G 33081	POPPET - load check valve	2
12	G 33573	SPRING - load check valve	2
13	G 33084	PLUG - load check valve	2
14	G 33686	O-RING - plug	2
15	G 34456	POPPET - anticavitation valve, 3/8" (9.5 mm) stem on poppet, G34658 section only, for service order G34937 plug and G34938 poppet, items 32 and 33	2
16	G 34458	SPRING - anticavitation valve, free length	2
17	G 34457	PLUG - anticavitation valve, 3/8" (9.5 mm) hole in plug G34658 section only, for service order G34937 plug and poppet, items 32 and 33	2
18	218- 5007	O-RING - plug	2
	*G 34657	VALVE ASSEMBLY - relief	2
19	NSS	BODY - relief valve	1
20	NSS	POPPET - relief valve	1
21	A 28090	O-RING - poppet	1
22	G 33090	SPRING - relief valve	1
23	G 34455	PIN - stop, relief valve spring	1
24	G 33091	PISTON - relief valve	1
25	D 31409	O-RING - piston	1
26	G 33092	RETAINER - relief valve	1
27	G 46150	RING - snap, retainer	1
28	178- 630	SCREW - set, piston adjusting, 1/4" - 20 NC x 3/4"	1
29	25- 144	NUT - lock, 1/4" - 20 NC	1
30	218- 5008	O-RING - valve body, large	1
31	G 100959	O-RING - valve body, small	1
31A	G 35540	RING - backup, if used	1
32	G 34937	PLUG - anticavitation valve, 15/32" (11.9 mm) hole in plug, G34941 and G100192 section only	2
33	G 34938	POPPET - anticavitation valve, 15/32" (11.9 mm) stem on poppet, G34941 and G100192 section only	2
	*G 34862	KIT - service, relief valve, this kit will service either complete relief valve and includes items 19 thru 31A	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 329

**BACKHOE CONTROL VALVE
EXTENDABLE DIPPER SECTION**

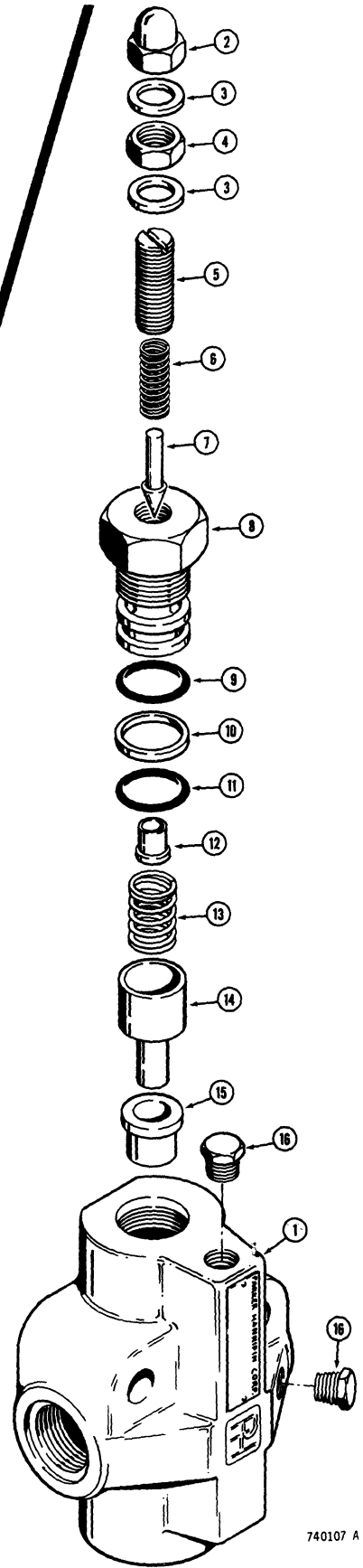
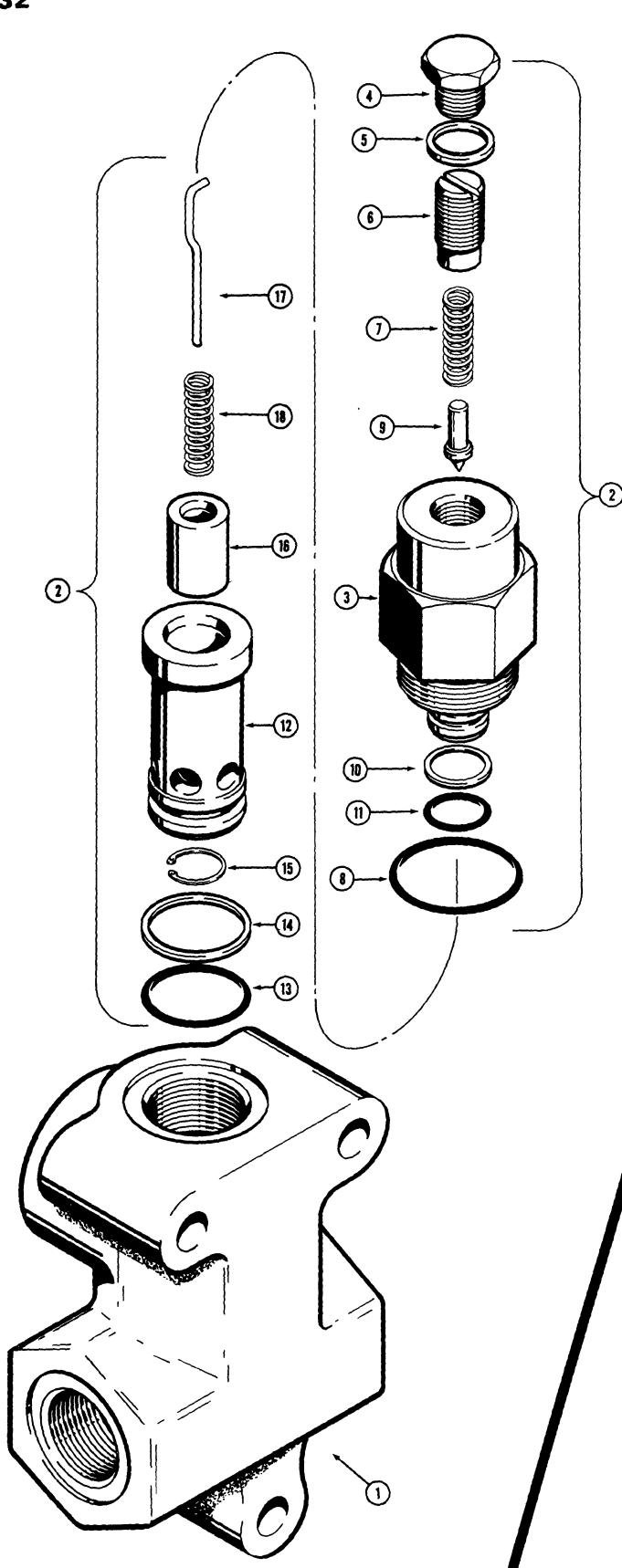
REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 33121	SECTION ASSEMBLY - extendable dipper, order G100193 section	1
1	G 100193	SECTION ASSEMBLY - extendable dipper	1
2	NSS	BODY - extendable dipper section	1
3	NSS	SPOOL - extendable dipper section	1
4	A 27365	O-RING - body	2
5	A 32309	SEAL - valve spool	1
6	G 33803	RETAINER - body O-ring	1
7	G 34463	SPRING - spool centering	1
8	G 33075	RETAINER - centering spring	2
9	G 33077	RING - snap, retainer	1
10	G 33080	CAP - center spring	1
11	G 33081	POPPET - load check	2
12	G 33573	SPRING - load check	2
13	G 33084	PLUG - load check	2
14	G 33686	O-RING - plug	2
15	G 33122	PLUG ASSEMBLY - relief port	2
16	G 100959	O-RING - plug, small	1
17	218- 5008	O-RING - plug, large	1
18	G 35540	RING - backup, if used	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 331

L54770 FLOW CONTROL VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 54770	VALVE - flow control	1
2	NSS	BODY - flow divider valve	1
3	E 74266	VALVE - relief	1
4	D 46216	SPRING - compression	1
5	D 46214	RING - spring retaining	1
6	L 33959	SCREEN - filter	1
7	218- 5152	PLUG - screen retaining	1
8	218- 5002	O-RING - plug	1



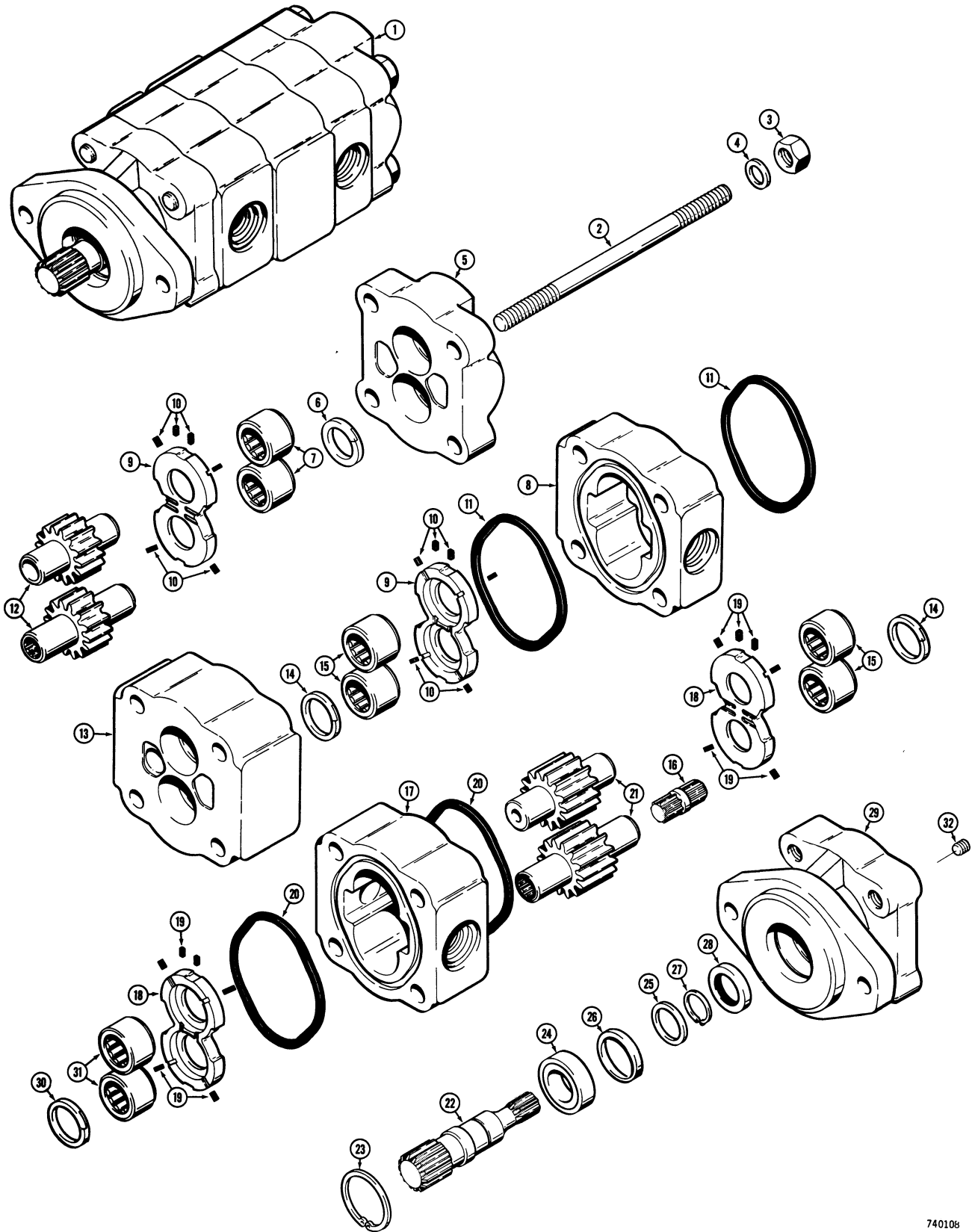
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 333

L54772 HYDRAULIC RELIEF VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 54772	VALVE ASSEMBLY - relief, hydraulic, Gresen PK-12, to service complete valve, see page 121	1
1	NSS	BODY - relief valve	1
2	L 35638	VALVE - relief	1
	NSS	CAGE ASSEMBLY - outer	1
3	L 35648	BODY - cage assembly	1
4	L 35645	CAP - cage assembly	1
5	L 35646	GASKET - cap	1
6	L 35647	SCREW - adjusting	1
7	L 35649	SPRING - poppet	1
8	A 29197	O-RING - large	1
9	L 35650	POPPET - cage	1
10	L 35403	WASHER - backup	1
11	218- 5009	O-RING - small	1
	NSS	CAGE ASSEMBLY - inner	1
12	L 35967	CYLINDER - cage assembly body	1
13	D 51516	O-RING - cylinder	1
14	D 51530	WASHER - backup	1
15	G 46147	RING -retaining	1
16	L 35967	PISTON - cage assembly	1
17	L 35643	PIN - relief	1
18	L 35642	SPRING - piston	1

L59641 HYDRAULIC RELIEF VALVE

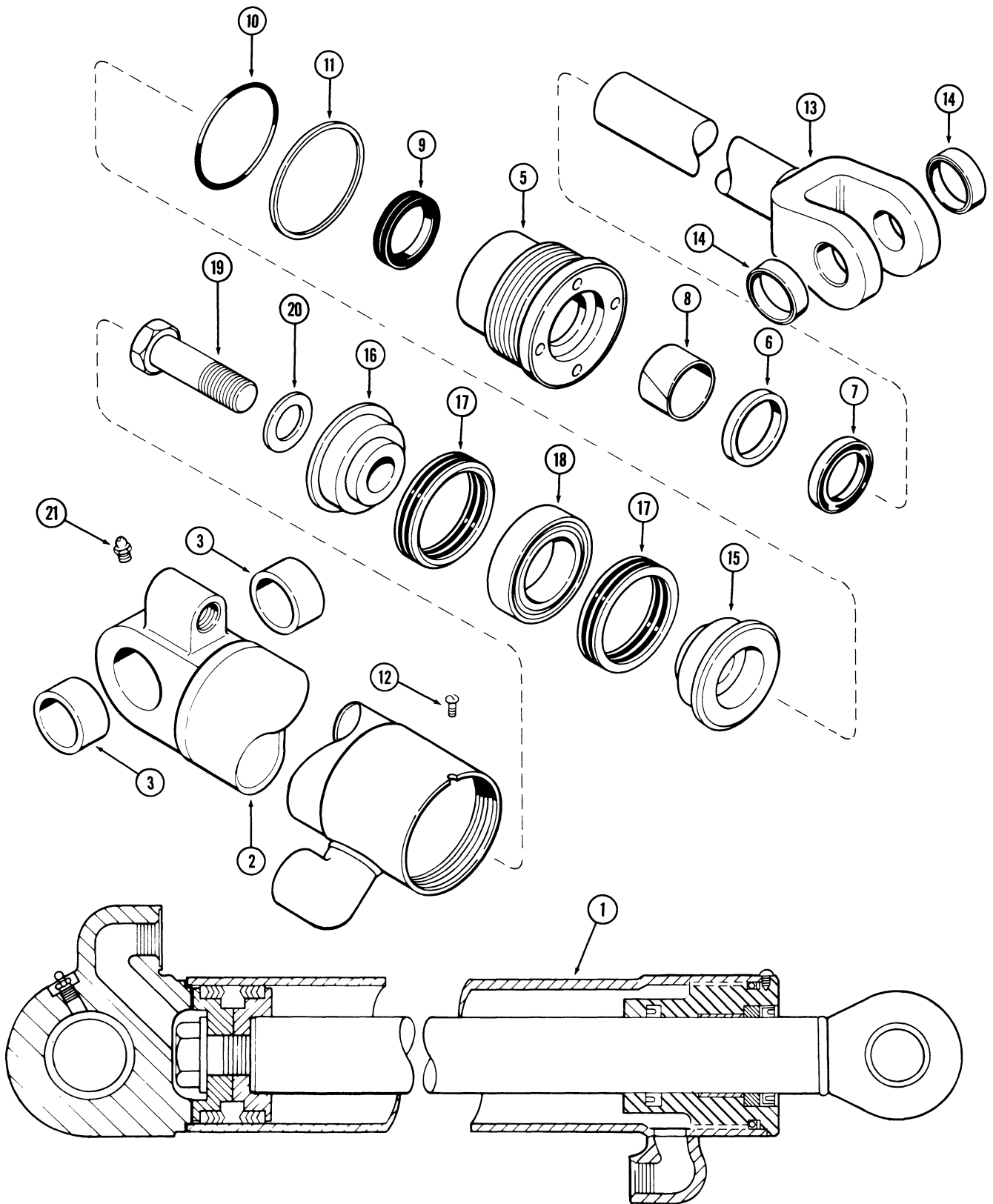
	L 59641	VALVE ASSEMBLY - relief, hydraulic, Parker Hannifin No. VPRP5B-3-A-A-270	1
1	NSS	BODY - relief valve	1
	W 12116	VALVE ASSEMBLY - relief	1
2	129- 514	NUT - acorn	1
3	D 26270	SEAL - lock and acorn nut	2
4	25- 155	NUT - lock, 5/16" - 24 NF	1
5	176- 299	SCREW - set	1
6	D 26268	SPRING - pilot	1
7	D 26267	PLUNGER - pilot	1
8	D 26262	CAP - relief valve body	1
9	218- 5006	O-RING - outer	1
10	L 30443	WASHER - backup	1
11	L 30444	O-RING - inner	1
12	D 26266	SEAT - pilot	1
13	D 26261	SPRING - plunger	1
14	L 30687	POPPET ASSEMBLY - valve	1
	NSS	PLUNGER - poppet	1
	NSS	SCREEN - poppet, order L30687	1
	W 12133	RETAINER - snap ring	1
15	D 26259	SEAT - relief valve plunger	1
16	221- 661	PLUG - pipe, 1/8" NPT	2



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 335

L55247 HYDRAULIC PUMP

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 55247	PUMP ASSEMBLY - hydraulic, Commercial Shearing #C230-138	1
2	L 32111	STUD - special, 5/8" - 11 NC x 9-3/4"	4
3	129- 561	NUT - hex., 5/8" - 11 NC	4
4	D 31957	WASHER - special	4
	L 32109	COVER ASSEMBLY - closed end	1
5	NSS	COVER - pump end	1
6	L 32096	RING - seal, bronze	1
7	L 32097	BEARING - roller	2
	L 35992	HOUSING ASSEMBLY - gear, 1" (25.4 mm) wide gears	1
8	NSS	HOUSING - gear	1
9	L 32101	PLATE - thrust	2
10	L 32099	SEAL - pocket, thrust plate	12
11	L 32100	SEAL - ring, square edge	2
12	L 32107	GEAR - matched set, drive and driven, 1" (25.4 mm) wide	1
	L 35991	CARRIER ASSEMBLY - bearing	1
13	NSS	CARRIER - bearing	1
14	L 32096	RING - seal, bronze	2
15	L: 32097	BEARING - roller	4
16	L 32104	SHAFT - connecting, drive gears	1
	L 35990	HOUSING ASSEMBLY - gear, 1-1/2" (38.1 mm) wide gears	1
17	NSS	HOUSING - gear	1
18	L 32101	PLATE - thrust	2
19	L 32099	SEAL - pocket, thrust plate	12
20	L 32100	SEAL - ring, square edge	2
21	L 32102	GEAR - matched set, drive and driven, 1-1/2" (38.1 mm) wide	1
22	L 32098	SHAFT - drive pump	1
23	71466	RING - retaining	1
24	73153	BEARING - drive shaft	1
25	L 32092	RETAINING - bearing	1
26	L 35989	SPACER - bearing, drive shaft	1
27	B 18208	RING - retaining	1
28	L 32093	SEAL - lip, drive shaft	1
	L 32094	COVER ASSEMBLY - shaft end	1
29	NSS	COVER - pump end	1
30	L 32096	RING - seal, bronze	1
31	L 32097	BEARING - roller	2
32	L 32320	SCREW - special, 7/16" - 20 NF x 3/8"	1

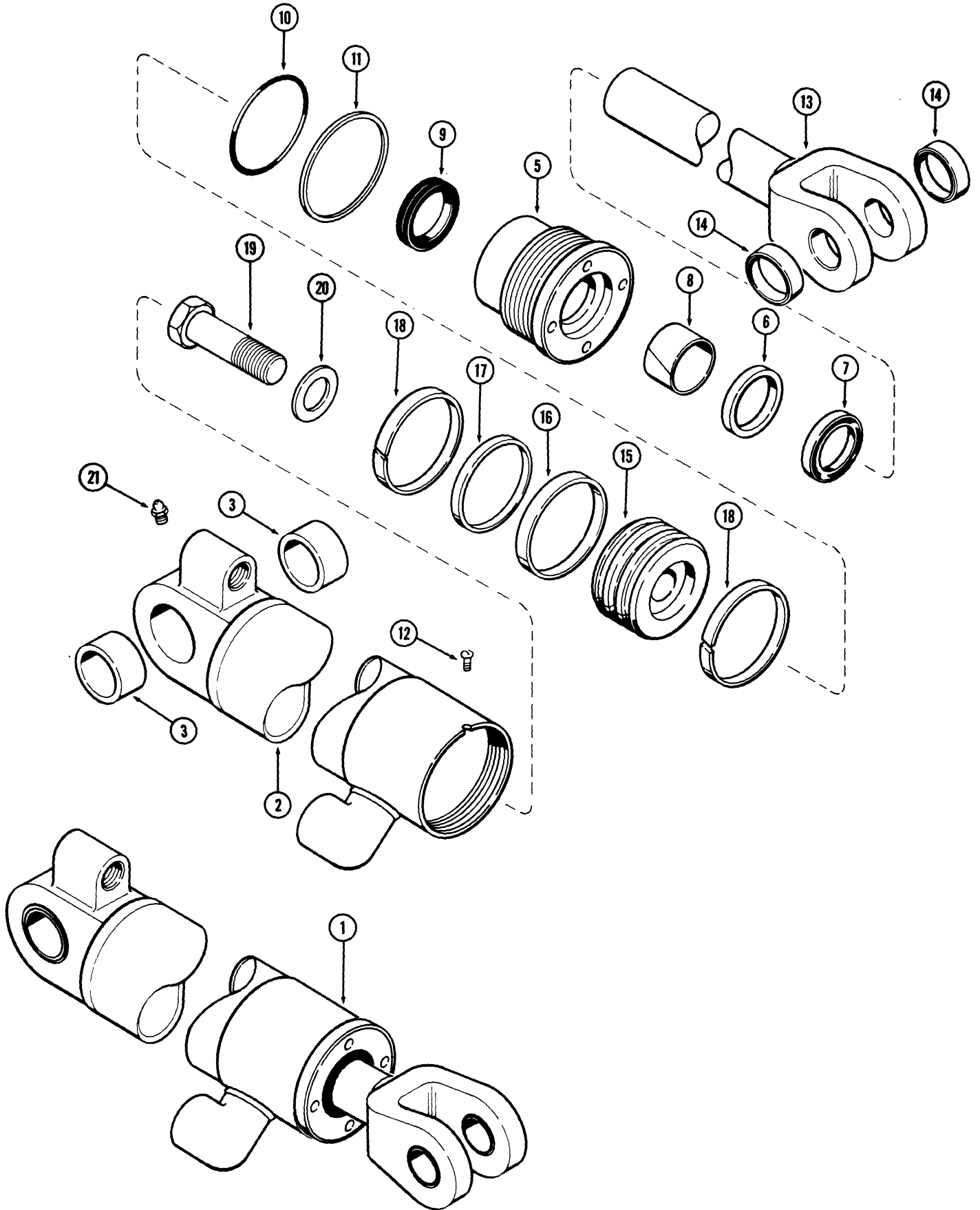


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 337

**G34663 AND G34664 LOADER LIFT CYLINDER
WITH TWO PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34663	CYLINDER - lift, R.H., 3-1/2" (89 mm) I.D. x 31" (787 mm) stroke	1
1	G 34664	CYLINDER - lift, L.H., 3-1/2" (89 mm) I.D. x 31" (787 mm) stroke	1
2	G 34717	TUBE - cylinder, R.H.	1
2	G 34716	TUBE - cylinder, L.H.	1
3	D 30735	BUSHING - tube	2
	G 34629	GLAND ASSEMBLY	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95144	WIPER - piston rod	1
8	*G 34322	BEARING - center	1
9	*D 36971**	SEAL - piston rod	1
10	*G 15457	O-RING - gland	1
11	*G 32126	RING - backup	1
12	187- 1031	SCREW - #8 - 32 NC x 1/4", self tapping	1
13	G 33604	ROD - piston, 2" (51 mm) O.D.	1
14	D 33047	BUSHING - piston rod	2
15	G 33167	PISTON - split, rod end	1
16	D 28367	PISTON - split, bolt end	1
	*G 33237	PACKING - piston	1
17	NSS	PACKING - "V" type	2
18	NSS	RING - center bearing	1
19	28- 1640	HHCS - piston, 1" - 14 NF x 2-1/2", grade 8	1
20	G 32303	WASHER - piston bolt	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	1
	*G 34630	SEAL KIT - cylinder repair, includes all items with an asterisk ...	1
	**G 100778	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

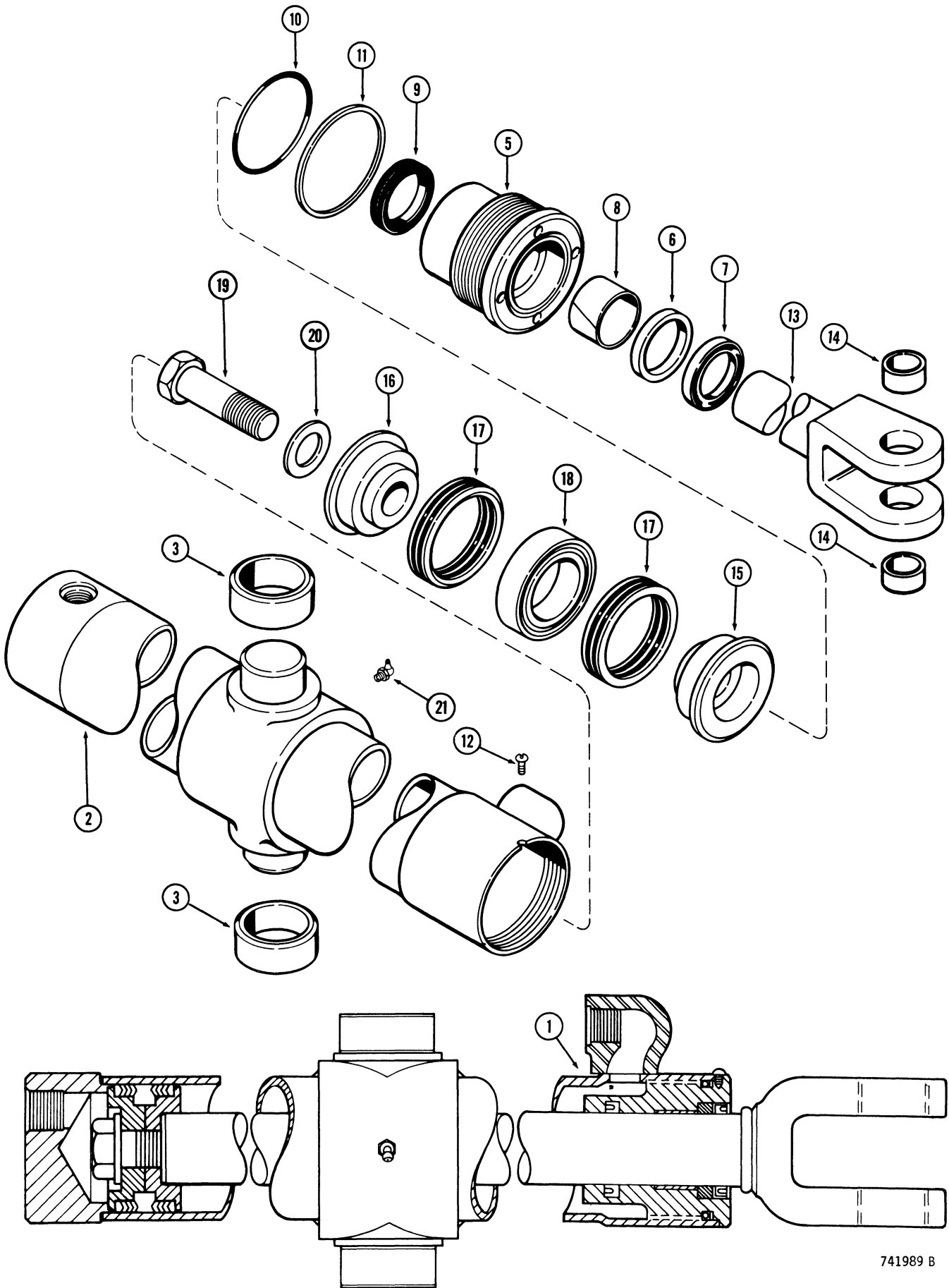


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 339

**G102140 LOADER LIFT CYLINDERS
WITH ONE PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 102140	CYLINDER ASSEMBLY - lift, 3-1/2" (89 mm) I.D. x 31" (787 mm) stroke	2
2	G 102139	TUBE ASSEMBLY - cylinder	1
3	D 30735	BUSHING - tube	2
4		RESERVED	
	G 34629	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95144	WIPER - piston rod	1
8	*G 34322	BEARING - center	1
9	*D 36971**	SEAL - piston rod	1
10	*G 15457	O-RING - gland	1
11	*G 32126	RING - backup	1
12	187- 1031	SCREW - self tapping, #8 - 32 NC x 1/4"	1
13	G 33604	ROD ASSEMBLY - piston, 2" (51 mm) O.D.	1
14	D 33047	BUSHING - piston rod	2
15	G 100694	PISTON - cylinder	1
16	*G 102286	SEAL - piston	1
17	*G 100710	RING - backup	1
18	*G 100711	RING - wear	2
19	28- 1640	HHCS - 1" - 14 NF x 2-1/2", grade 8	1
20	G 32303	WASHER - hardened	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	1
	*G 102402	KIT - seal, includes all items with an asterisk	1
	**G 100778	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

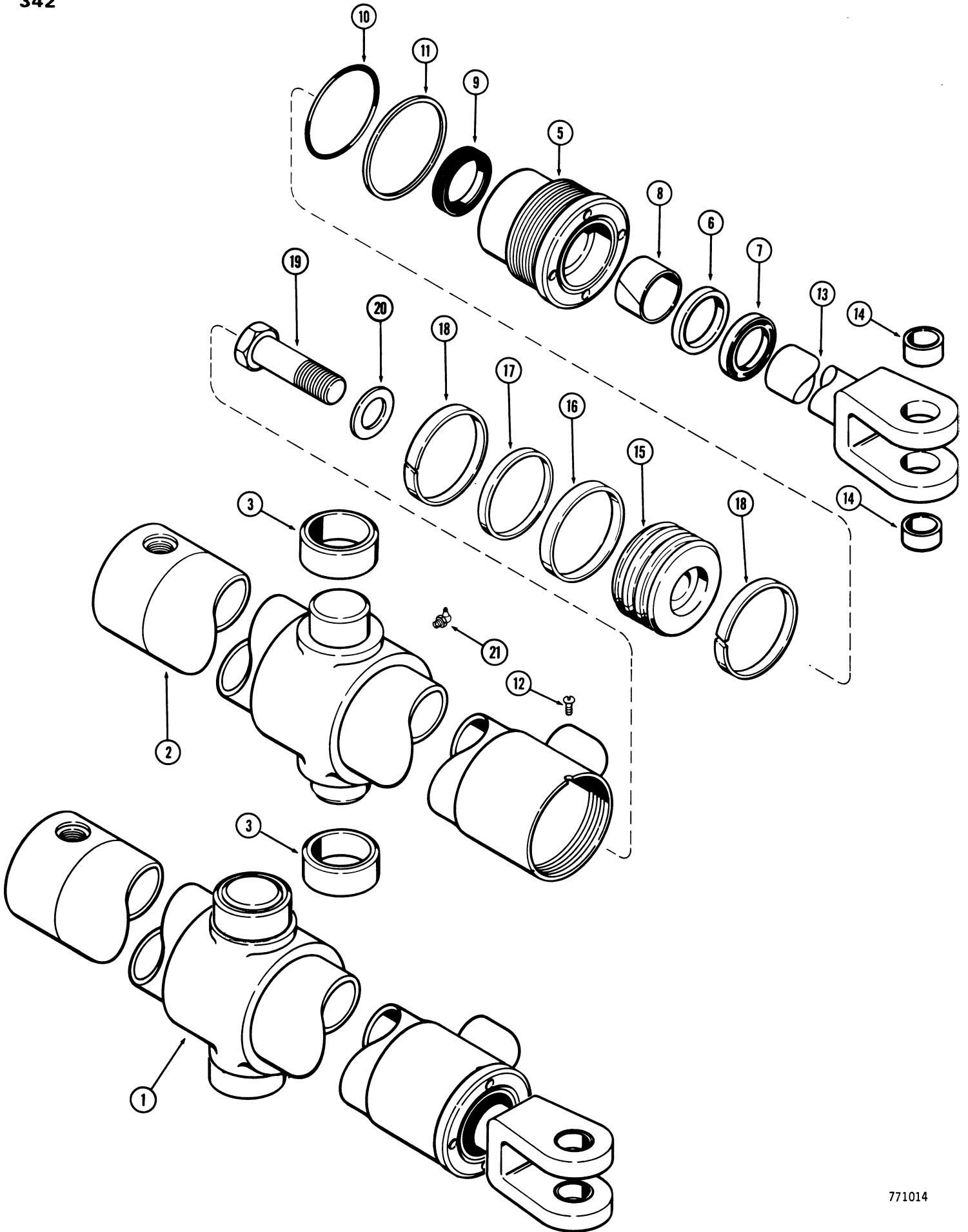


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 341

**G33562 LOADER BUCKET TILT CYLINDER
WITH TWO PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 33562	CYLINDER - bucket, 3" (76 mm) I.D. x 23-1/2" (597 mm) stroke	2
2	D 35102	TUBE - cylinder	1
3	D 31511	BUSHING - tube	2
	G 34633	GLAND ASSEMBLY	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95143	WIPER - piston rod	1
8	*G 34621	BEARING - piston rod	1
9	*D 36970**	SEAL - piston rod	1
10	*A 30095	O-RING - gland	1
11	*G 32122	RING - backup	1
12	187- 1031	SCREW - #8 - 32 NC x 1/4" self tapping	1
13	G 33563	ROD ASSEMBLY - piston, 1-3/4" (44 mm) O.D.	1
14	D 32865	BUSHING - piston rod	2
15	G 33331	PISTON - split, rod end	1
16	D 28896	PISTON - split, bolt end	1
	*G 33151	PACKING - piston	1
17	NSS	PACKING - "V" type	2
18	NSS	RING - center bearing	1
19	28- 1640	HHCS - piston 1" - 14 NF x 2-1/2", grade 8	1
20	G 32303	WASHER - piston bolt	1
21	219- 36	FITTING - grease, 45°, 1/8" NPT	1
	*G 34643	SEAL KIT - cylinder repair, includes all items with an asterisk	1
	**G 100777	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

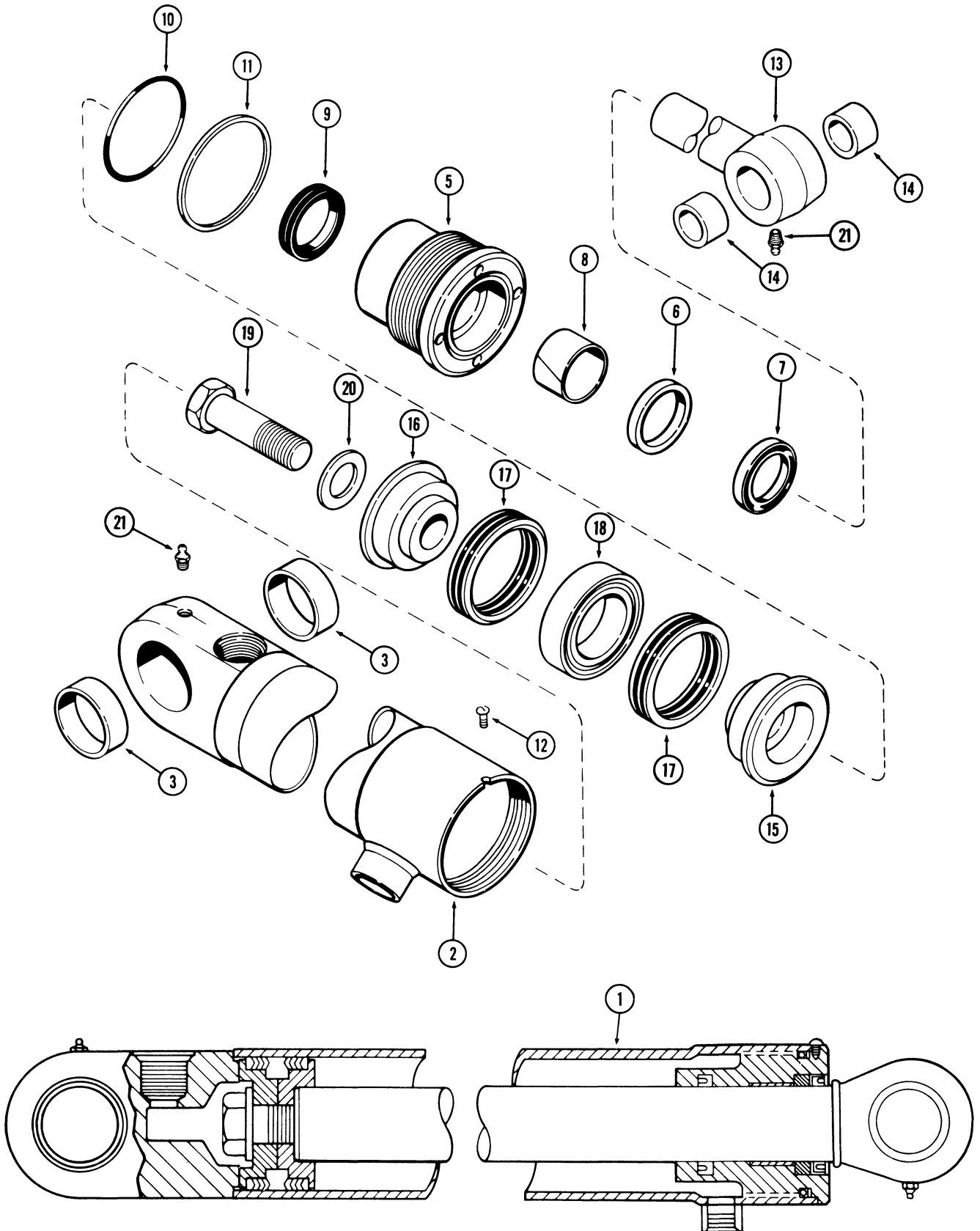


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 343

**G101220 LOADER BUCKET TILT CYLINDERS
WITH ONE PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 101220	CYLINDER ASSEMBLY - bucket tilt, 3" (76 mm) I.D. x 23-1/2" (597 mm) stroke	2
2	D 35102	TUBE ASSEMBLY - cylinder	1
3	D 31511	BUSHING - tube	2
4		RESERVED	
	G 34633	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95143	WIPER - piston rod	1
8	*G 34621	BEARING - center	1
9	*D 36970**	SEAL - piston rod	1
10	*A 30095	O-RING - gland	1
11	*G 32122	RING - backup	1
12	187- 1031	SCREW - self tapping, #8 - 32 NC x 1/4"	1
13	G 33563	ROD ASSEMBLY - piston, 1-3/4" (44 mm) O.D.	1
14	D 32865	BUSHING - piston rod	2
15	G 100704	PISTON - cylinder	1
16	*G 102288	SEAL - piston	1
17	*G 100444	RING - backup	1
18	*G 100449	RING - wear	2
19	28- 1640	HHCS - 1" - 14 NF x 1-1/2", grade 8	1
20	G 32303	WASHER - hardened	1
21	219- 36	FITTING - grease, 45°, 1/8" NPT	1
	*G 102405	KIT - seal, includes all, items with an asterisk	1
	**G 100777	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

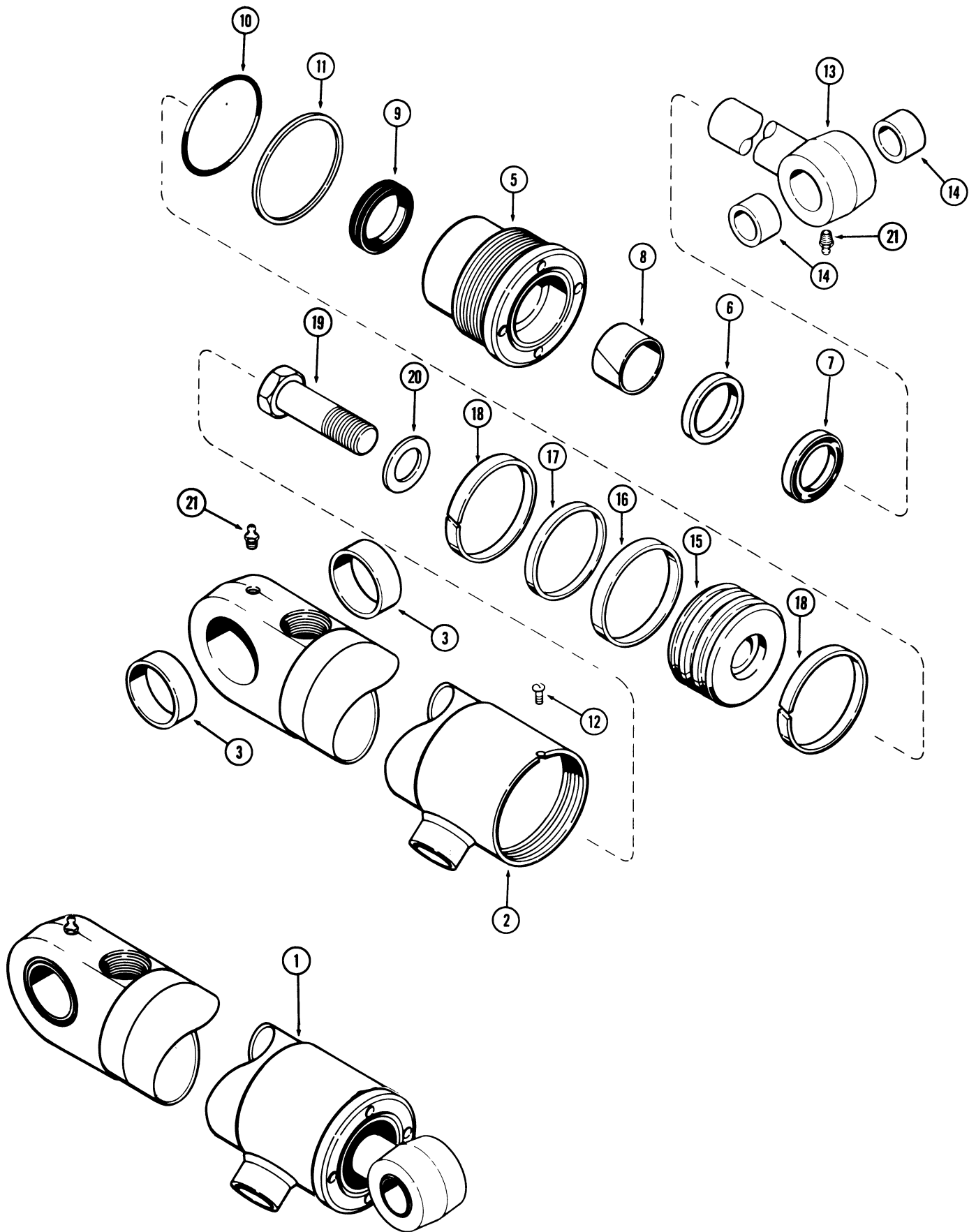


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 345

G33770 AND G33771 DROTT CLAM CYLINDERS WITH TWO PIECE PISTON

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 33770	CYLINDER - clam, R.H., 3" (76 mm) I.D. x 10 - 1/2" (266 mm) stroke	1
1	G 33771	CYLINDER - clam, L.H., 3" (76 mm) I.D. x 10-1/2" (266 mm) stroke	1
2	D 46911	TUBE - cylinder R.H.	1
2	D 46910	TUBE - cylinder, L.H.	1
3	30364	BUSHING - tube	2
4	G 34328	GLAND ASSEMBLY - not shown	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95142	WIPER - piston rod	1
8	*G 34302	BEARING - center	1
9	*D 36969**	SEAL - piston rod	1
10	*A 30095	O-RING - gland	1
11	*G 32122	RING - backup	1
12	187- 1031	SCREW - #8-32 x 1/4" self tapping	1
13	G 33467	ROD - piston, 1-1/2" (38.1 mm) O.D.	1
14	30634	BUSHING - piston rod	2
15	G 33150	PISTON - split, rod end	1
16	D 28366	PISTON - split, bolt end	1
	*G 33151	PACKING - piston	1
17	NSS	PACKING - "V" type	2
18	NSS	RING - center bearing	1
19	28- 1240	HHCS - piston, 3/4" - 16 NF x 2-1/2", grade 8	1
20	G 32317	WASHER - piston bolt	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	2
	*G 34332	SEAL KIT - cylinder repair, includes all items with an asterisk	1
	**G 100776	SEAL - piston rod, service option - extreme heat or cold	1

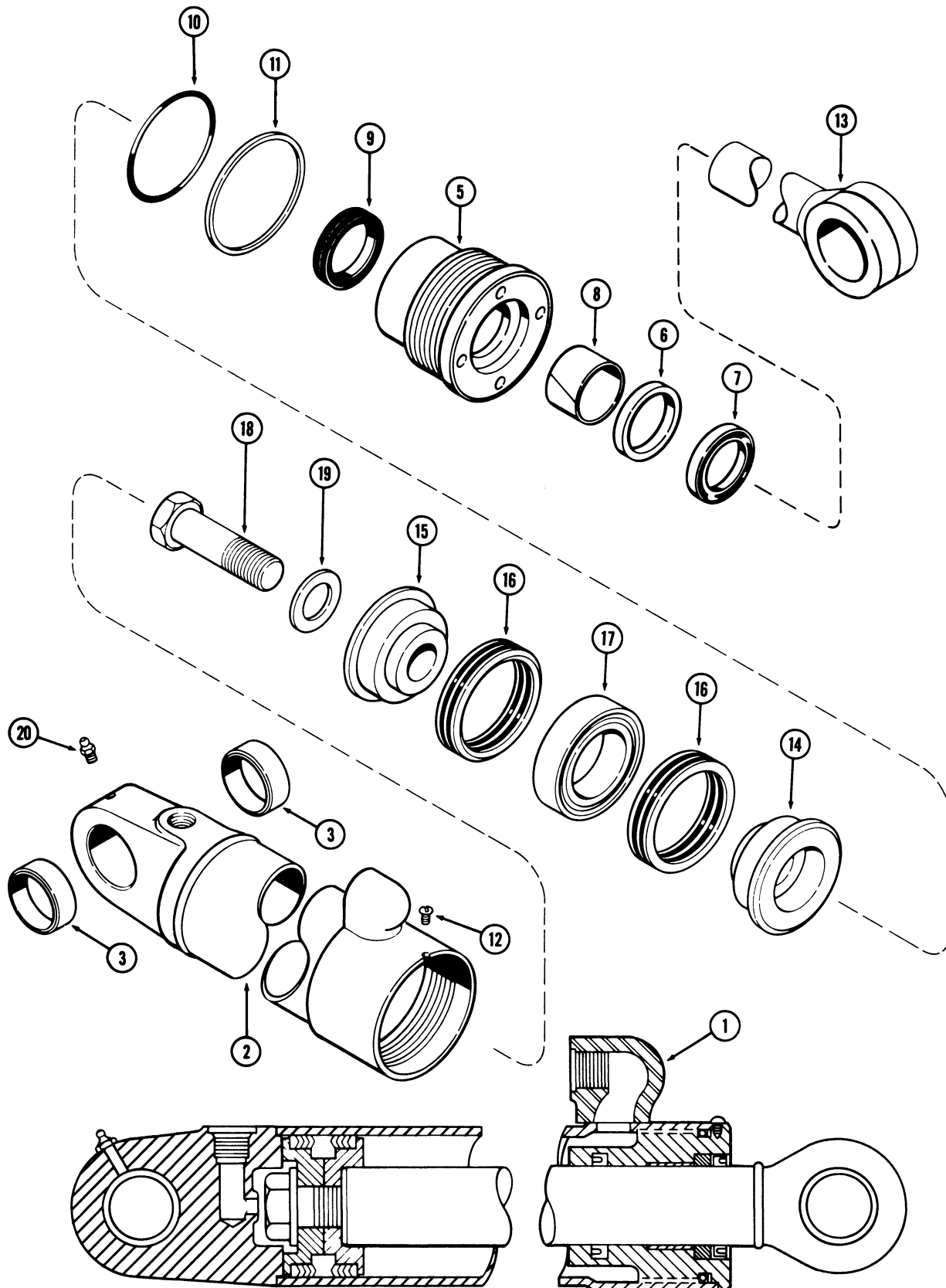
NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.



**G101226 AND G101227 LOADER CLAM CYLINDER
WITH ONE PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 101226	CYLINDER - clam, R.H., 3" (76 mm) I.D. x 10-1/2" (266 mm) stroke	1
1	G 101227	CYLINDER - clam, L.H., 3" (76 mm) I.D. x 10-1/2" (266 mm) stroke	1
2	D 46911	TUBE ASSEMBLY - R.H. cylinder	1
2	D 46910	TUBE ASSEMBLY - L.H. cylinder	1
3	30634	BUSHING - tube	2
4		RESERVED	
	G 34328	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95142	WIPER - piston rod	1
8	*G 34302	BEARING - center	1
9	*D 36969**	SEAL - piston rod	1
10	*A 30095	O-RING - gland	1
11	*G 32122	RING - backup	1
12	187- 1031	SCREW - self tapping, #8 - 32 NC x 1/4"	1
13	G 33467	ROD ASSEMBLY - piston, 1-1/2" (38 mm) O.D.	1
14	30634	BUSHING - piston rod	2
15	G 100442	PISTON - cylinder	1
16	*G 102288	SEAL - piston	1
17	*G 100444	RING - backup	1
18	*G 100449	RING - wear	2
19	28- 1240	HHCS - 3/4" - 16 NF x 2-1/2", grade 8	1
20	G 32317	WASHER - piston bolt	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	2
	*G 102404	KIT - seal, includes all items with an asterisk	1
	**G 100776	SEAL - piston rod, service option - extreme heat or cold	1

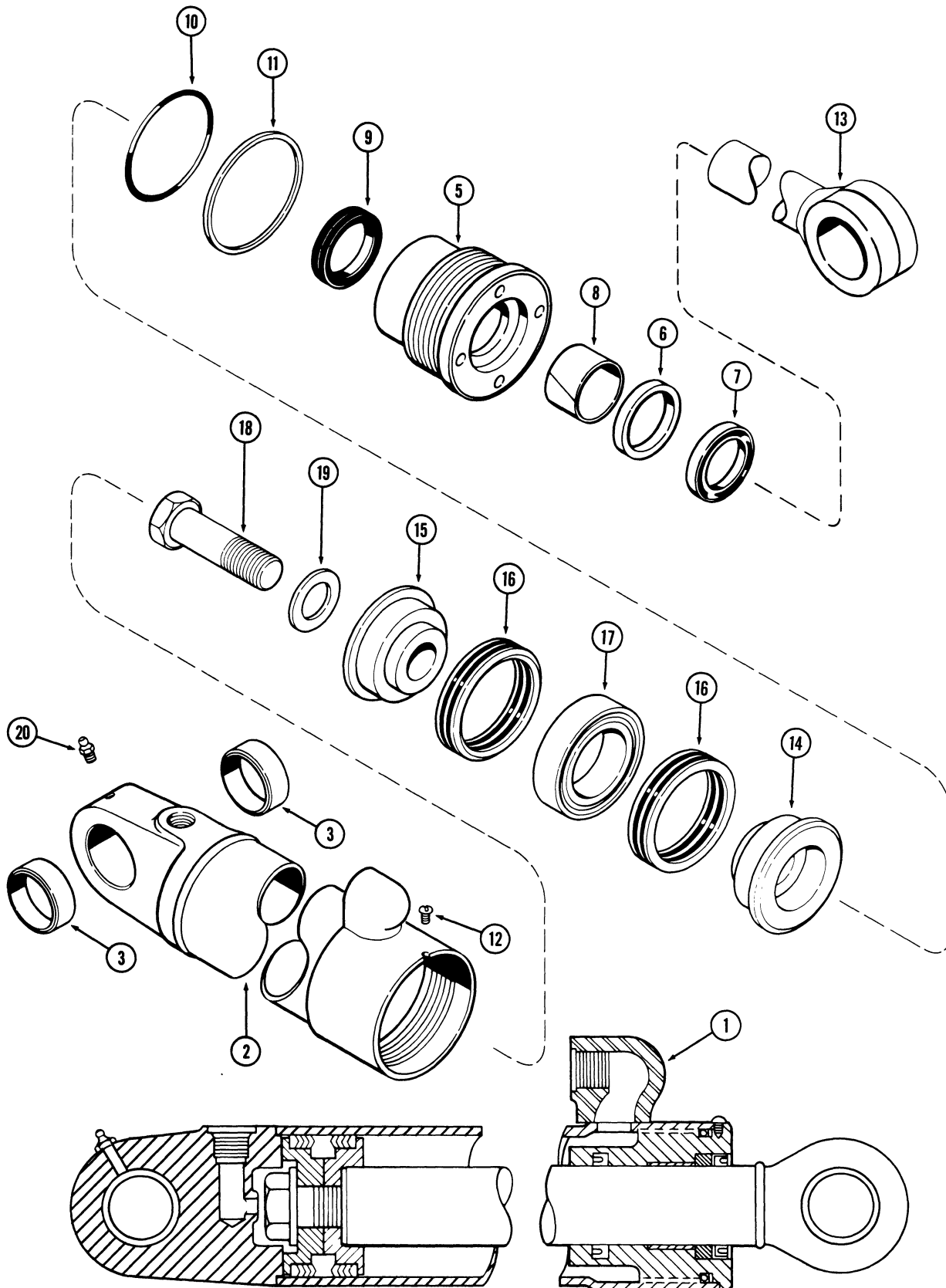
NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.



**G34829 BACKHOE STABILIZER CYLINDER
WITH TWO PIECE PISTON
USED BEFORE TRACTOR SN. 9127845**

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 34829	CYLINDER - stabilizer, 4-1/2" (114 mm) I.D. x 21-3/8" (543 mm) stroke ...	1
2	G 34830	TUBE - cylinder	1
3	D 34340	BUSHING - tube	2
4		RESERVED	
	G 34397	GLAND ASSEMBLY - cylinder	1
5	NSS	GALND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95144	WIPER - piston rod	1
8	*G 34322	BEARING - center	1
9	*D 36971**	SEAL - piston rod	1
10	*A 23316	O-RING - gland	1
11	*G 32284	RING - backup	1
12	187- 1031	SCREW - #8 - 32 NC x 1/4", self tapping	1
13	G 33831	ROD - piston, 2" (51 mm) O.D.	1
14	G 33634	PISTON - split, rod half	1
15	D 46931	PISTON - split, bolt half	1
16	*D 47205	PACKING - piston, "V" type	2
17	D 47210	RING - center bearing	1
18	28- 2048	HHCS - piston, 1-1/2" - 12 NF x 2-1/2", grade 8	1
19	G 32351	WASHER - piston bolt	1
20	219- 1	FITTING - grease, striaght, 1/8" NPT	1
	*G 34644	SEAL KIT - cylinder repair, includes all items with an asterisk	1
	**G 100778	SEAL - piston rod, service option - extreme heat or cold	1

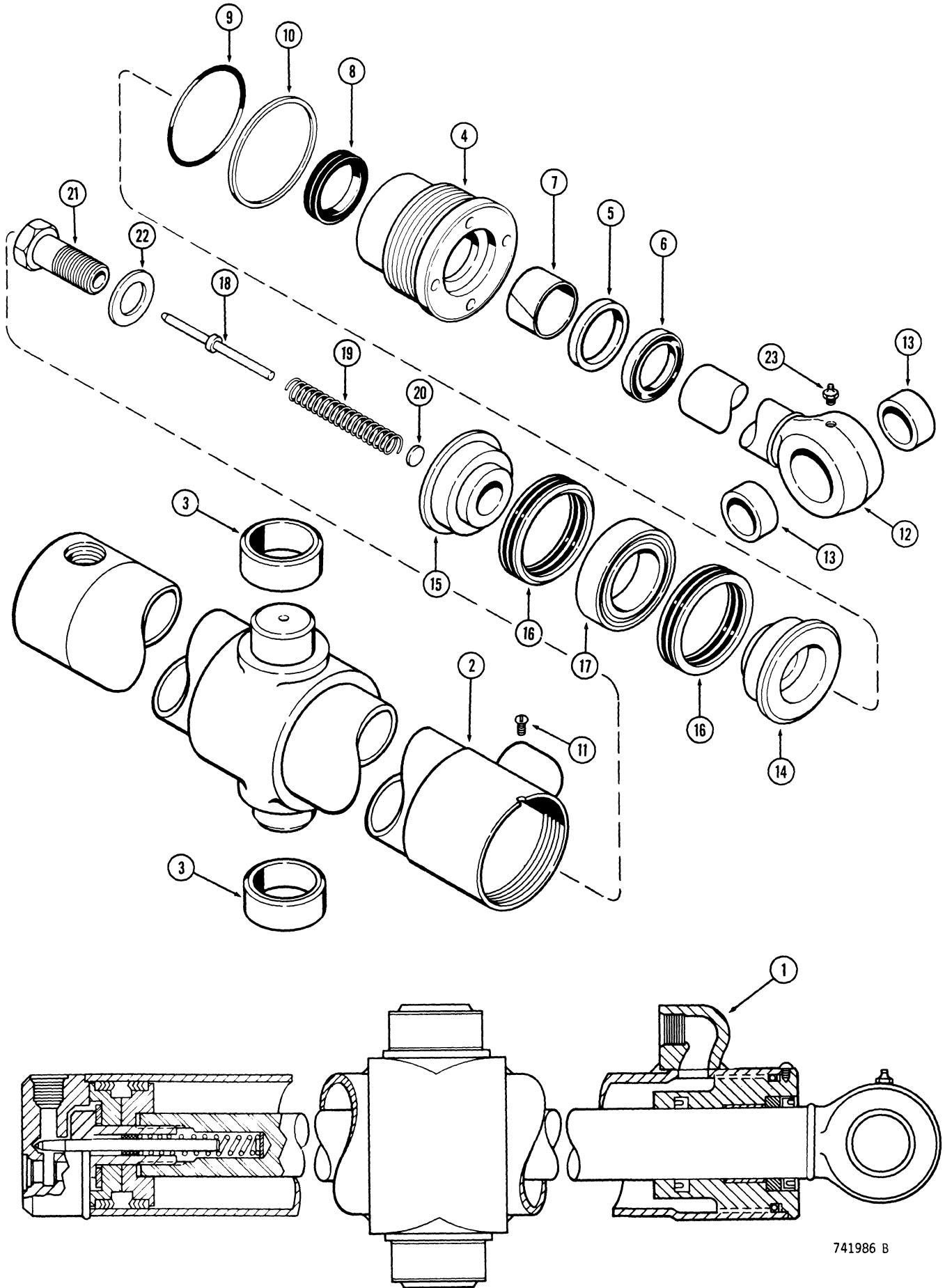
NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.



**G102276 BACKHOE STABILIZER CYLINDER
WITH TWO PIECE PISTON
USED ON TRACTOR SN. 9127845 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 102276	CYLINDER - stabilizer, 4-1/2" (114 mm) I.D. x 22-3/8" (568 mm) stroke	1
2	G 102277	TUBE - cylinder	1
3	D 34340	BUSHING - tube	2
4		RESERVED	
	G 34397	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95144	WIPER - piston rod	1
8	*G 34322	BEARING - center	1
9	*D 36971**	SEAL - piston rod	1
10	*A 23316	O-RING - gland	1
11	*G 32284	RING - backup	1
12	187- 1031	SCREW - #8 - 32 NC x 1/4", self tapping	1
13	G 102280	ROD - piston, 2" (51 mm) O.D.	1
14	G 33634	PISTON - split, rod half	1
15	D 46931	PISTON - split, bolt half	1
16	*D 47205	PACKING - piston, "V" type	2
17	D 47210	RING - center bearing	1
18	28- 2048	HHCS - piston, 1-1/2" - 12 NF x 2-1/2", grade 8	1
19	G 32351	WASHER - hardened	1
20	219- 1	FITTING - grease, striaght, 1/8" NPT	1
	*G 34644	SEAL KIT - cylinder repair, includes all items with an asterisk	1
	**G 100778	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.



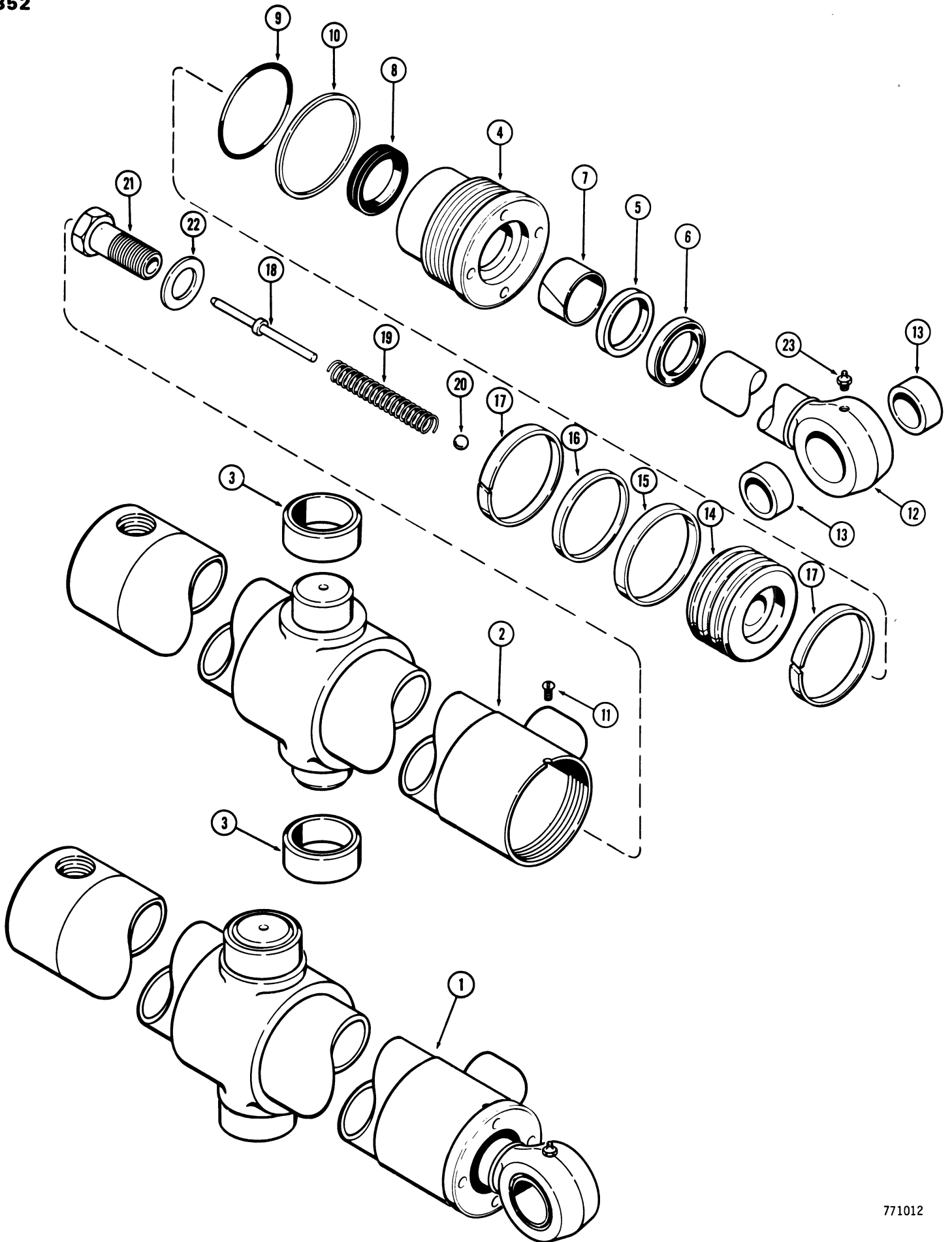
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 351

**G34880 BACKHOE SWING CYLINDER
WITH TWO PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34880	CYLINDER - swing, 4" (101 mm) I.D. x 11-1/4" (285 mm) stroke	1
2	G 34877	TUBE - cylinder	1
3	G 34875	BUSHING - tube	2
	G 34331	GLAND ASSEMBLY - cylinder	1
4	NSS	GLAND - cylinder	1
5	NSS	RING - retaining	1
6	*D 95144	WIPER - piston rod	1
7	*G 34322	BEARING - center	1
8	*D 36971	SEAL - piston rod	1
9	*A 27507	O-RING - gland	1
10	*G 32176	RING - backup	1
11	187- 1031	SCREW - #8 - 32 x 1/4", self tapping	1
12	G 34775	ROD - piston, 2" (51 mm) O.D.	1
13	G 34854	BUSHING - piston rod	2
14	G 33159	PISTON - split, rod end	1
15	D 49161	PISTON - split, bolt end	1
16	*D 47204	PACKING - piston, "V" type	2
17	D 47209	RING - center bearing	1
18	G 34882	PIN - cushion relief	1
19	D 38683	SPRING - cushion relief	1
20	D 38684	SPACER - cushion relief spring, if used	1
20	211- 14	BALL - cushion relief spring, if used, not shown	1
21	G 34885	BOLT - piston and cushion relief	1
22	G 32351	WASHER - bolt	1
23	219- 1	FITTING - grease, straight, 1/8" NPT	1
	*G 34594	SEAL KIT - cylinder repair, includes all items with an asterisk	1
	**G 100778	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

SEE PAGE 355 FOR SWING CYLINDER RELIEF VALVE

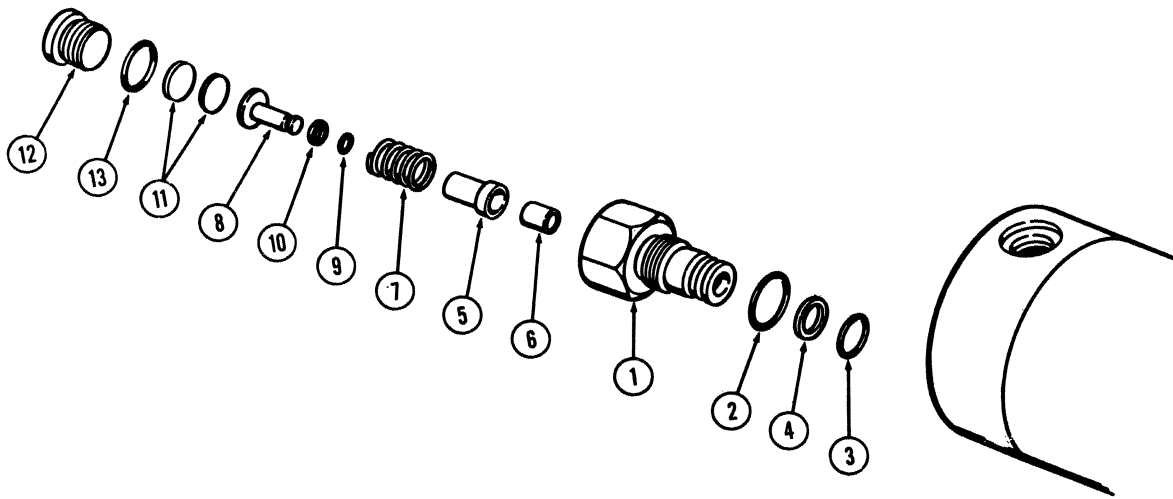


**G102214 BACKHOE SWING CYLINDER
WITH ONE PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 102214	CYLINDER ASSEMBLY - swing, 4" (101 mm) I.D. x 11-1/4" (285 mm) stroke	1
2	G 34877	TUBE ASSEMBLY - cylinder	1
3	G 34875	BUSHING - tube	2
	G 34331	GLAND ASSEMBLY - cylinder	1
4	NSS	GLAND - cylinder	1
5	NSS	RING - retaining	1
6	*D 95144	WIPER - piston rod	1
7	*G 34322	BEARING - center	1
8	*D 36971	SEAL - piston rod	1
9	*A 27507	O-RING - gland	1
10	*G 32176	RING - backup	1
11	187- 1031	SCREW - self tapping, #8 - 32 NC x 1/4"	1
12	G 34775	ROD ASSEMBLY - piston, 2" (51 mm) O.D.	1
13	G 34854	BUSHING - piston rod	2
14	G 101309	PISTON - cylinder	1
15	*G 102285	SEAL - piston	1
16	*G 100440	RING - backup	1
17	*G 100448	RING - wear	2
18	G 102245	PIN - cushion relief	1
19	D 38683	SPRING - cushion relief	1
20	211- 14	BALL - cushion relief spring	1
21	G 34885	BOLT - piston and cushion relief	1
22	G 32351	WASHER - hardened	1
23	219- 1	FITTING - grease, straight, 1/8" NPT	1
	*G 102401	KIT - seal, includes all items with an asterisk	1
	**G 100778	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

SEE PAGE 355 FOR SWING CYLINDER RELIEF VALVE



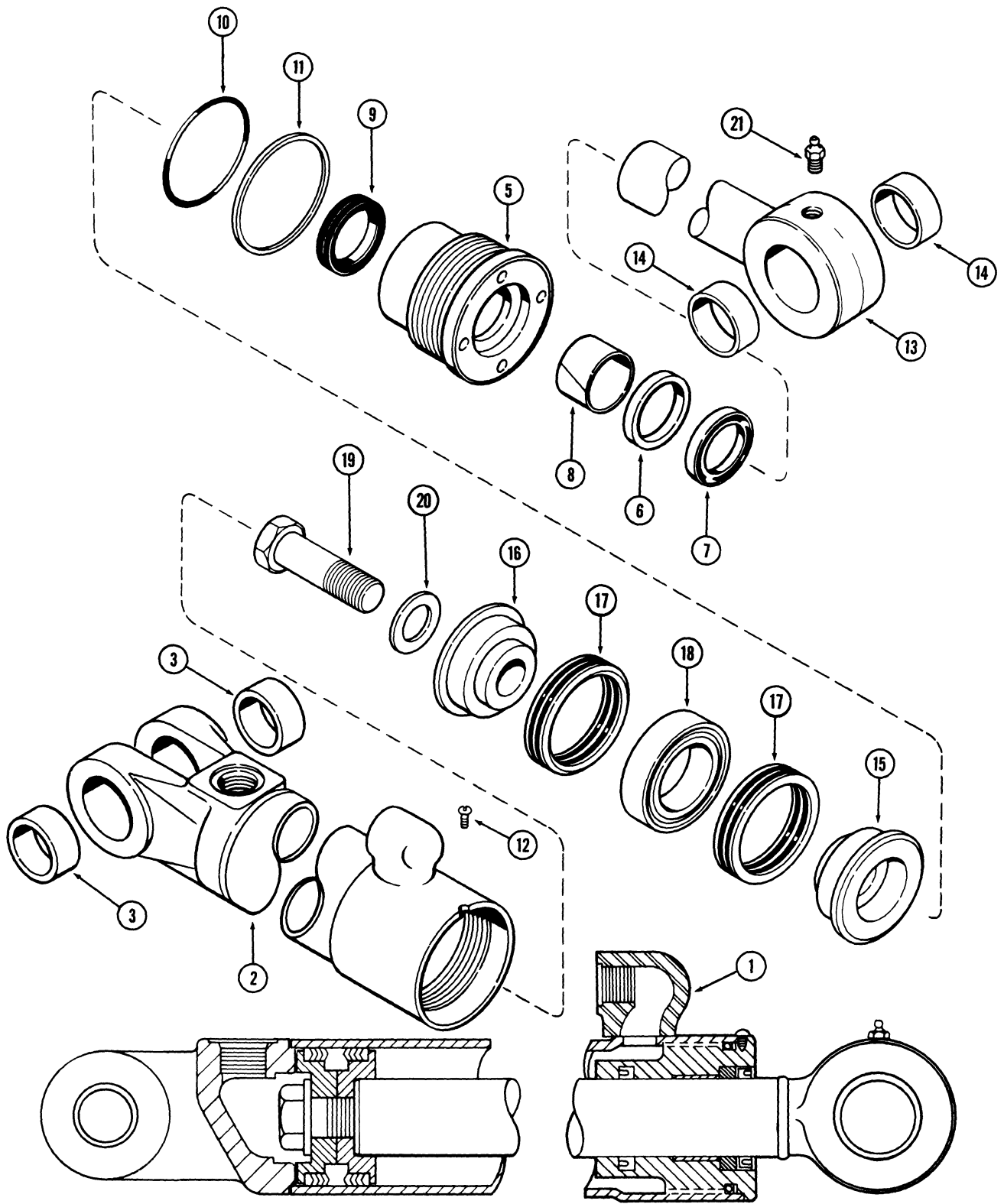
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 355

**D47557 RELIEF VALVE
USED BEFORE SN 9124799**

REF.	PART NO.	DESCRIPTION	REQ'D.
	D 47557	VALVE ASSEMBLY - relief, for service order L78723	1
1	D 47667	BODY - relief valve	1
2	218- 5007	O-RING - body	1
3	D 26265	O-RING - body	1
4	D 37071	RING - O-ring back-up	1
5	D 37151	PLUNGER - relief valve	1
6	D 37075	SEAT - plunger	1
7	D 37148	SPRING - plunger	1
8	D 37150	GUIDE - plunger spring	1
9	T 41959	O-RING - spring guide	1
10	D 37147	RING - O-ring back-up	1
11	D 40355	SHIM - spring guide, .005" (0.127 mm)	UAR
11	16917	SHIM - spring guide, .010" (0.254 mm)	UAR
12	D 40354	PLUG - relief valve	1
13	218- 5006	O-RING - plug	1

**L78723 RELIEF VALVE
USED ON SN. 9124799 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 78723	VALVE ASSEMBLY - relief	1
1	D 47667	BODY - relief valve	1
2	218- 5007	O-RING - body	1
3	D 26265	O-RING - body	1
4	D 37071	RING - O-ring back-up	1
5	D 37054	PLUNGER - relief valve	1
6	D 37075	SEAT - plunger	1
7	D 37148	SPRING - plunger	1
8	D 37073	GUIDE - plunger spring	1
9	D 40356	O-RING - spring guide	1
10	D 40357	RING - O-ring back-up	1
11	R 33411	SHIM - spring guide	UAR
12	218- 5210	PLUG - relief valve	1
13	218- 5006	O-RING - plug	1

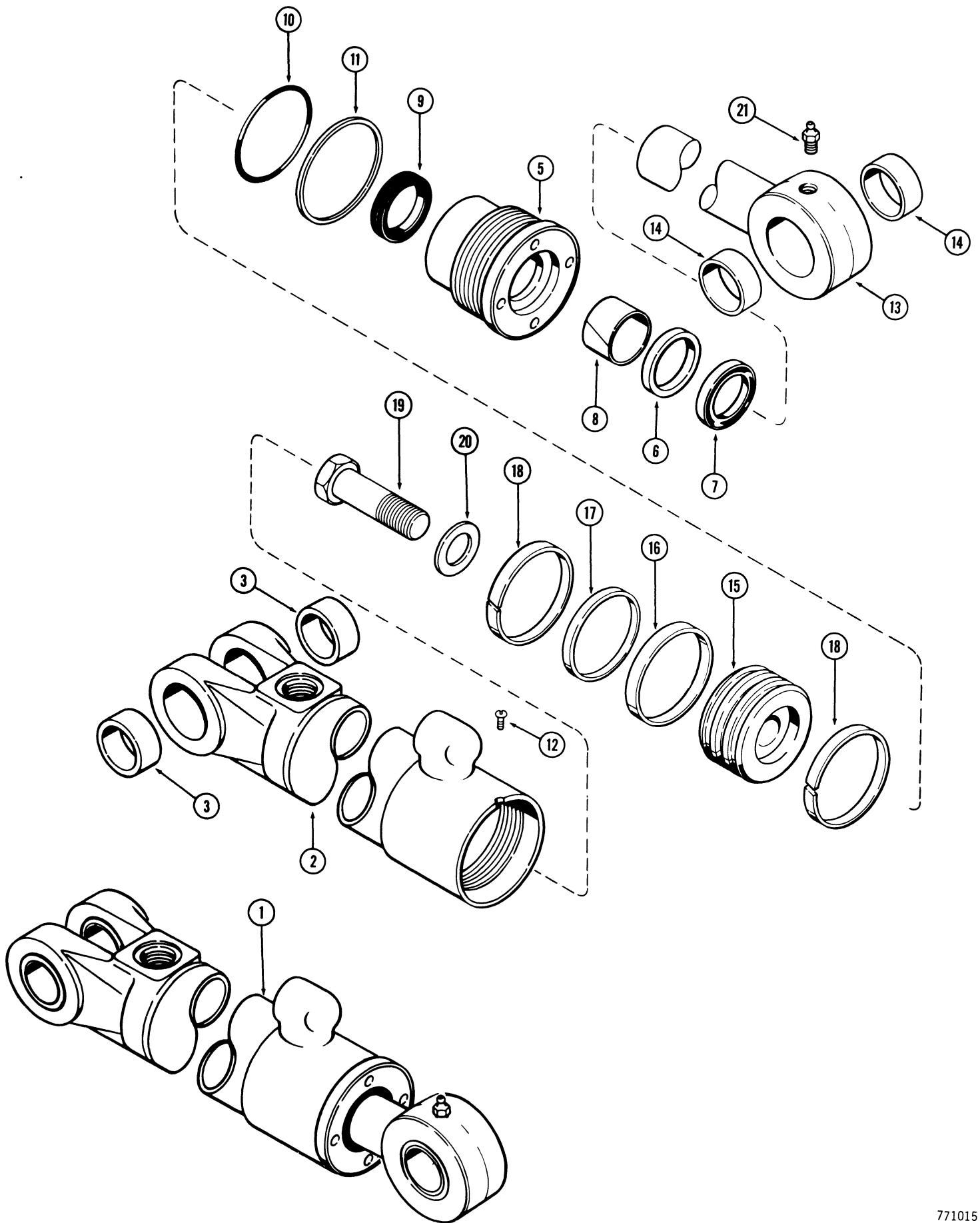


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 357

**G34821 BACKHOE BOOM CYLINDER
WITH TWO PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34821	CYLINDER - boom, 4" (102 mm) I.D. x 41-3/16" (1046 mm) stroke	1
2	G 34822	TUBE - cylinder	1
3	D 32865	BUSHING - tube	2
4		RESERVED	
	G 34635	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95145	WIPER - piston rod	1
8	*G 34620	BEARING - center	1
9	*D 39359**	SEAL - piston rod	1
10	*A 27507	O-RING - gland	1
11	*G 32176	RING - backup	1
12	187- 1031	SCREW - #8 - 32 NC x 1/4", self tapping	1
13	G 34848	ROD - piston, 2-1/4" (57 mm) O.D.	1
14	D 33024	BUSHING - piston rod	2
15	D 49168	PISTON - split, rod end	1
16	D 46930	PISTON - split, bolt end	1
	*G 33239	PACKING - piston	1
17	NSS	PACKING - "V" type	2
18	NSS	RING - center bearing	1
19	28- 2044	HHCS - piston, 1-1/4" - 12 NF x 2-3/4", grade 8	1
20	G 32351	WASHER - piston bolt	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	1
	*G 34827	SEAL KIT - cylinder repair, includes all items with an asterisk	1
	**G 100779	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

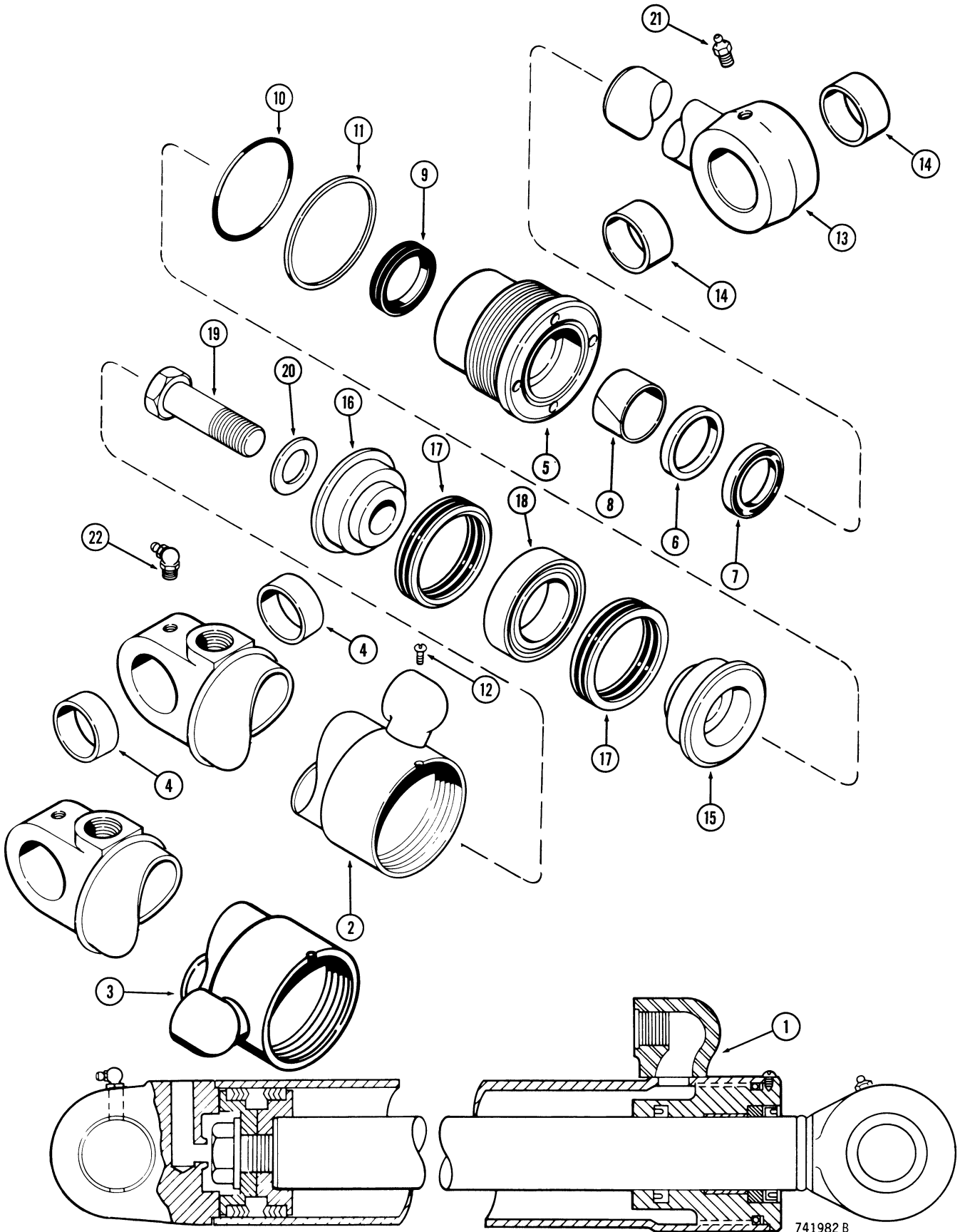


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 359

**G101256 BACKHOE BOOM CYLINDER
WITH ONE PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 101256	CYLINDER ASSEMBLY - boom, 4" (102 mm) I.D. x 41-3/16" (1046 mm) stroke	1
2	G 101686	TUBE ASSEMBLY - cylinder	1
3	D 32865	BUSHING - tube	2
4		RESERVED	
	G 34635	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95145	WIPER - piston rod	1
8	*G 34620	BEARING - center	1
9	*G 39359**	SEAL - piston rod	1
10	*A 27507	O-RING - gland	1
11	*G 32176	RING - backup	1
12	187- 1031	SCREW - self tapping, #8 - 32 NC x 1/4"	1
13	G 34848	ROD ASSEMBLY - piston, 2-1/4" (57 mm) O.D.	1
14	D 33024	BUSHING - piston rod	1
15	G 100686	PISTON - cylinder	1
16	*G 102285	SEAL - piston	1
17	*G 100440	RING - backup	1
18	*G 100448	RING - wear	2
19	28- 2044	HHCS - 1-1/4" - 12 NF x 2-3/4", grade 8	1
20	G 32351	WASHER - piston bolt	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	1
	*G 102412	KIT - seal, includes all items with an asterisk	1
	**G 100779	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

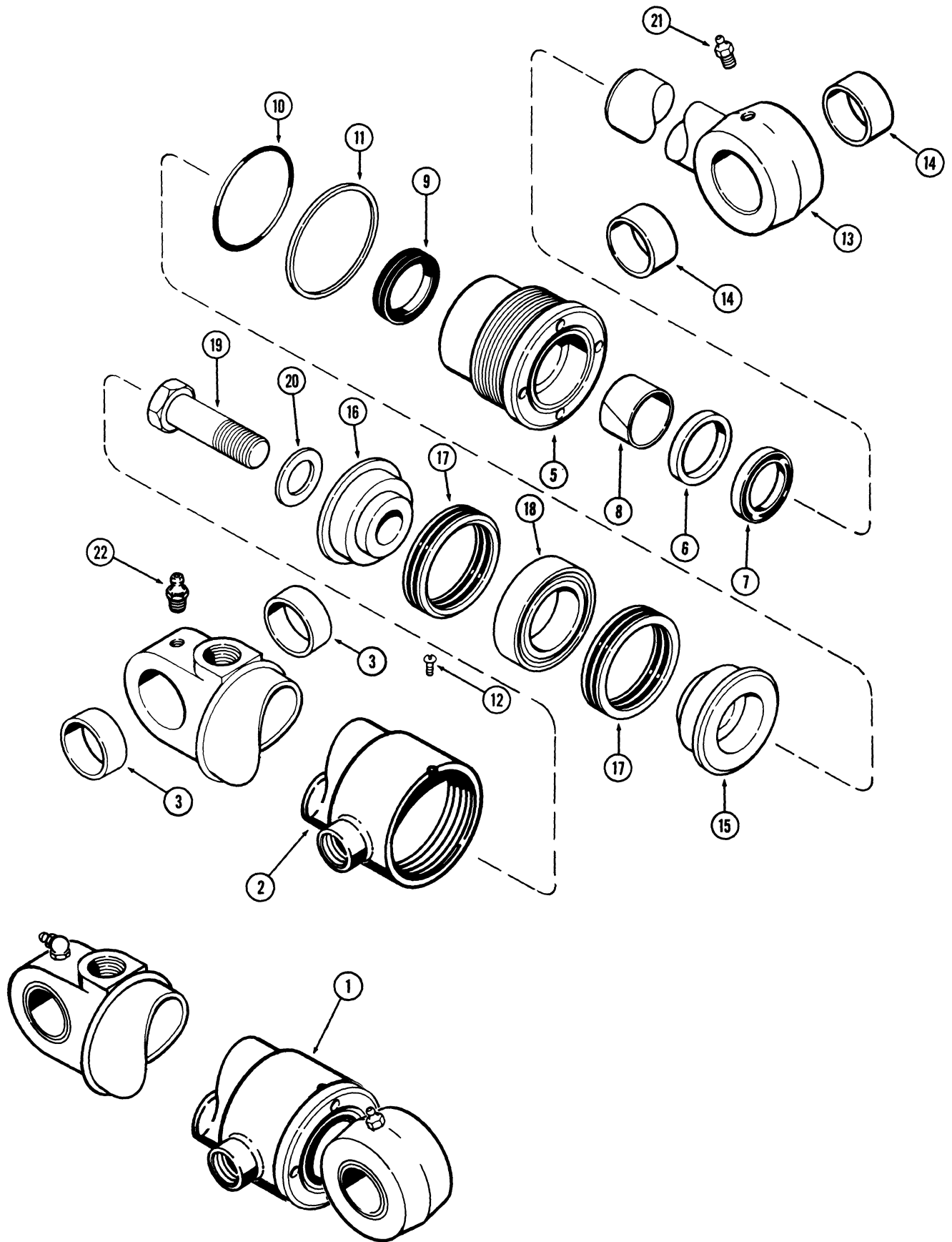


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 361

**G34323 AND G100004 DIPPER CYLINDER
WITH TWO PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34323	CYLINDER - dipper, 4-1/2" (114 mm) I.D. x 40-1/8" (1019 mm) stroke	1
1	G 100004	CYLINDER - dipper, 4-1/2" (114 mm) I.D. x 40-1/8" (1019 mm) stroke	1
2	G 34256	TUBE - cylinder, G34323 cylinder only	1
3	G 100005	TUBE - cylinder, G100004 cylinder only	1
4	D 38943	BUSHING - tube	2
	G 34329	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95146	WIPER - piston rod	1
8	*G 34307	BEARING - center	1
9	*D 45571**	SEAL - piston rod	1
10	*A 23316	O-RING - gland	1
11	*G 32284	RING - backup	1
12	187- 1031	SCREW - #8 - 32 NC x 1/4", self tapping	1
13	G 34324	ROD ASSEMBLY - piston, 2-1/2" (63 mm) O.D.	1
14	D 38943	BUSHING - piston rod	2
15	D 49163	PISTON - split, rod end	1
16	D 46931	PISTON - split, blot end	1
17	*D 47205	PACKING - piston, "V" type	2
18	D 47210	RING - center bearing	1
19	28- 2052	HHCS - piston, 1-1/4" - 12 NF x 3-1/4", grade 8	1
20	G 32351	WASHER - piston bolt	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	1-2
22	219- 55	FITTING - grease, 90°, 1/8" NPT, if used	1
	*G 34333	SEAL KIT - cylinder repair, includes all items with an asterisk ...	1
	**G 100780	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

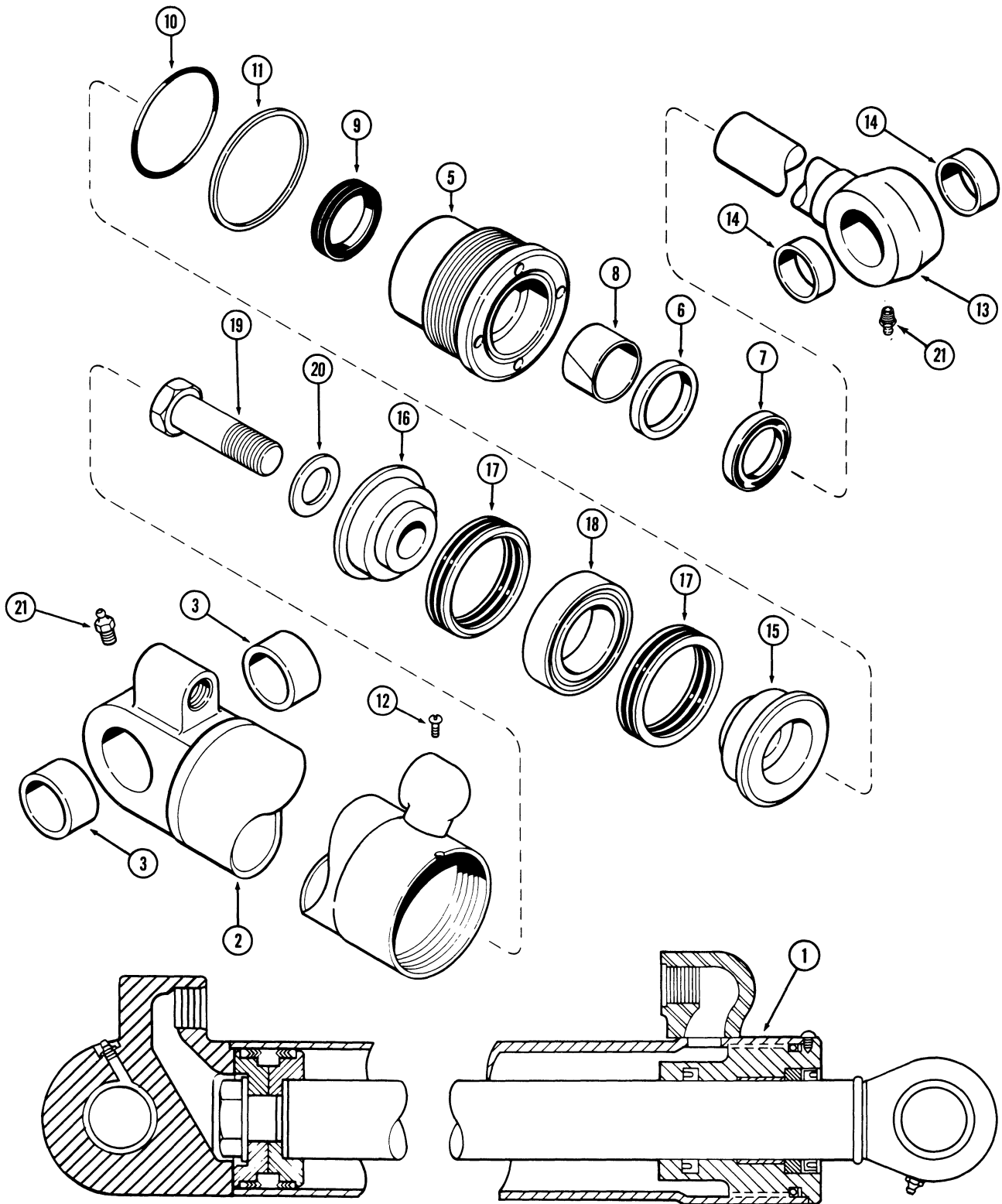


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 363

**G101348 BACKHOE DIPPER CYLINDER
WITH TWO PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 101348	CYLINDER ASSEMBLY - dipper, 4-1/2" (114 mm) I.D. x 40-1/8" (1019 mm) stroke.....	1
2	G 101688	TUBE ASSEMBLY - cylinder	1
3	D 38943	BUSHING - tube	2
4		RESERVED	
	G 34329	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95146	WIPER - piston rod	1
8	*G 34307	BEARING - center	1
9	*D 45571**	SEAL - piston rod	1
10	*A 23316	O-RING - gland	1
11	*G 32284	RING - backup	1
12	187- 1031	SCREW - self tapping, #8 - 32 NC x 1/4"	1
13	G 34324	ROD ASSEMBLY - piston, 2-1/2" (63 mm) O.D.	1
14	D 38943	BUSHING - piston rod	2
15	D 49163	PISTON - split, rod end	1
16	D 46931	PISTON - split, bolt end	1
17	*D 47205	PACKING ASSEMBLY - piston, "V" type	2
18	D 47210	RING - center bearing	1
19	28- 2052	HHCS - piston, 1-1/4" - 12 NF x 3-1/4", grade 8	1
20	G 32351	WASHER - hardened	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	2
	*G 34333	KIT - seal, cylinder repair, includes all items with an asterisk	1
	**G 100780	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

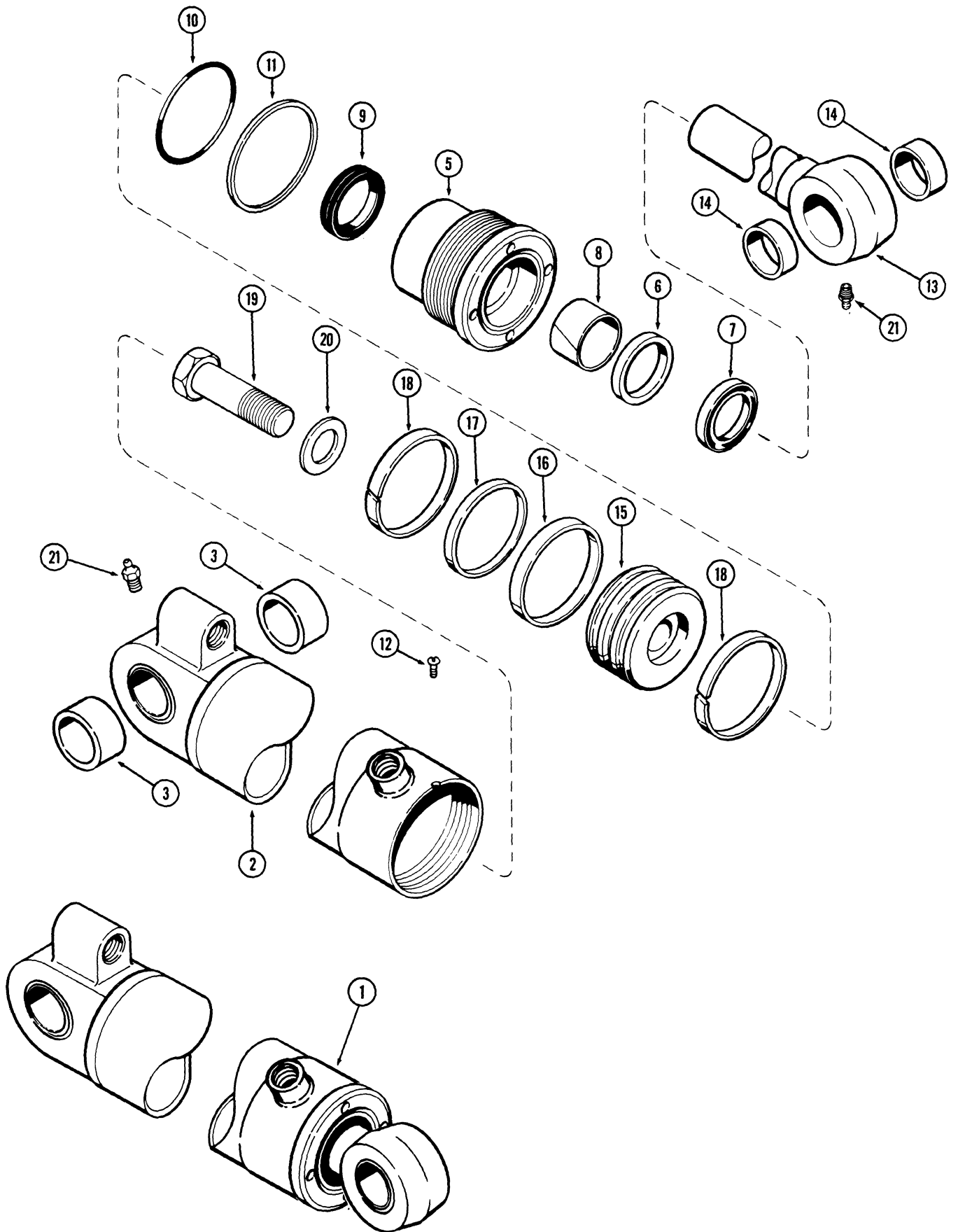


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 365

**G34662 BACKHOE BUCKET CYLINDER
WITH TWO PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34662	CYLINDER - bucket, 4" (102 mm) I.D. x 27-1/4" (692 mm) stroke	1
2	G 34710	TUBE - cylinder	1
3	D 33047	BUSHING - tube	2
4		RESERVED	
	G 34635	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95145	WIPER - piston rod	1
8	*G 34620	BEARING - center	1
9	*D 39359**	SEAL - piston rod	1
10	*A 27507	O-RING - gland	1
11	*G 32176	RING - backup	1
12	187- 1031	SCREW - #8 - 32 NC x 1/4", self tapping	1
13	G 34714	ROD ASSEMBLY - piston, 2-1/4" (57 mm) O.D.	1
14	D 34340	BUSHING - piston rod	2
15	D 49168	PISTON - split, rod end	1
16	D 46930	PISTON - split, bolt end	1
17	*D 47204	PACKING - piston, "V" type	2
18	D 47209	RING - center bearing	1
19	28- 2040	HHCS - piston, 1-1/4" - 12 NF x 2-1/2", grade 8	1
20	G 32351	WASHER - piston bolt	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	2
	*G 34636	SEAL KIT - cylinder repair, includes all items with an asterisk ...	1
	**G 100779	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

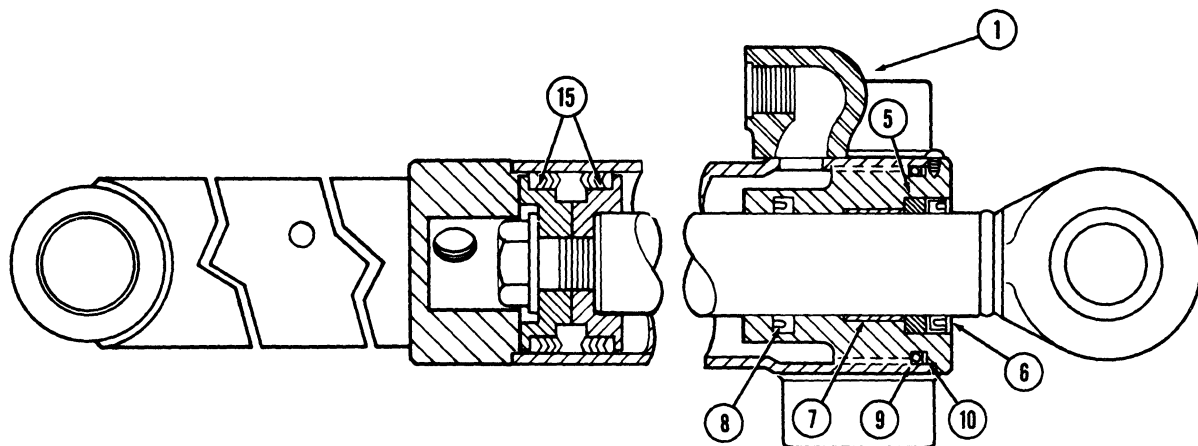
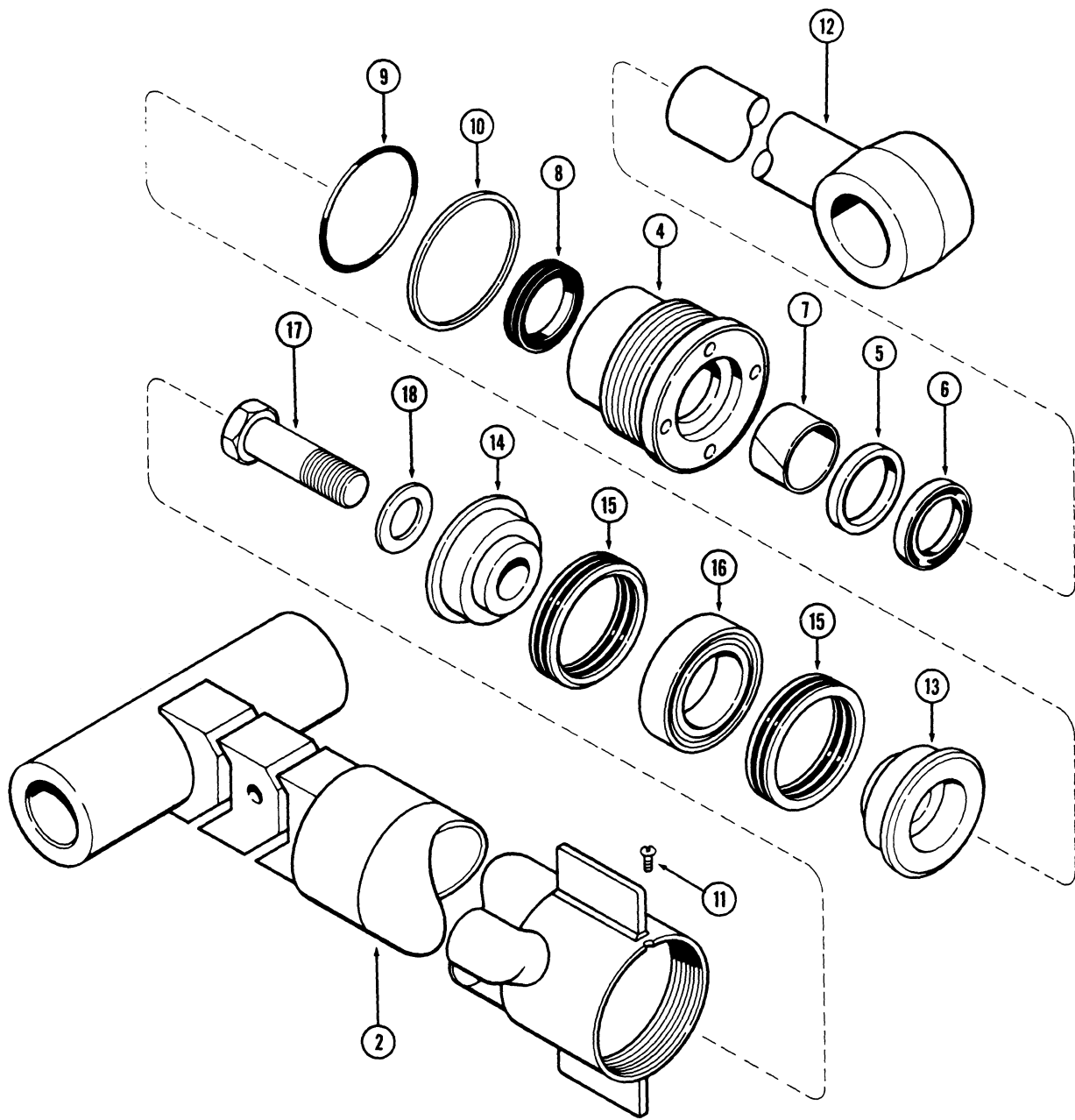


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 367

**G101254 BACKHOE BUCKET CYLINDER
WITH ONE PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 101254	CYLINDER ASSEMBLY - bucket, 4" (102 mm) I.D. x 27-1/4" (692 mm) stroke	1
2	G 101684	TUBE ASSEMBLY- cylinder	1
3	D 33047	BUSHING - tube	2
4		RESERVED	
	G 34635	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95145	WIPER - piston rod	1
8	*G 34620	BEARING - center	1
9	*D 39359**	SEAL - piston rod	1
10	*A 27507	O-RING - gland	1
11	*G 32176	RING - backup	1
12	187- 1031	SCREW - self tapping, #8 - 32 NC x 1/4"	1
13	G 34714	ROD ASSEMBLY - piston, 2-1/4" (57 mm) O.D.	1
14	D 34340	BUSHING - piston rod	2
15	G 100686	PISTON - cylinder	1
16	*G 102285	SEAL - piston	1
17	*G 100440	RING - backup	1
18	*G 100448	RING - wear	1
19	28- 2040	HHCS - 1-1/4" - 12 NF x 2-1/2", grade 8	1
20	G 32351	WASHER - hardened	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	2
	*G 102412	KIT - seal, includes all items with an asterisk	1
	**G 100779	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

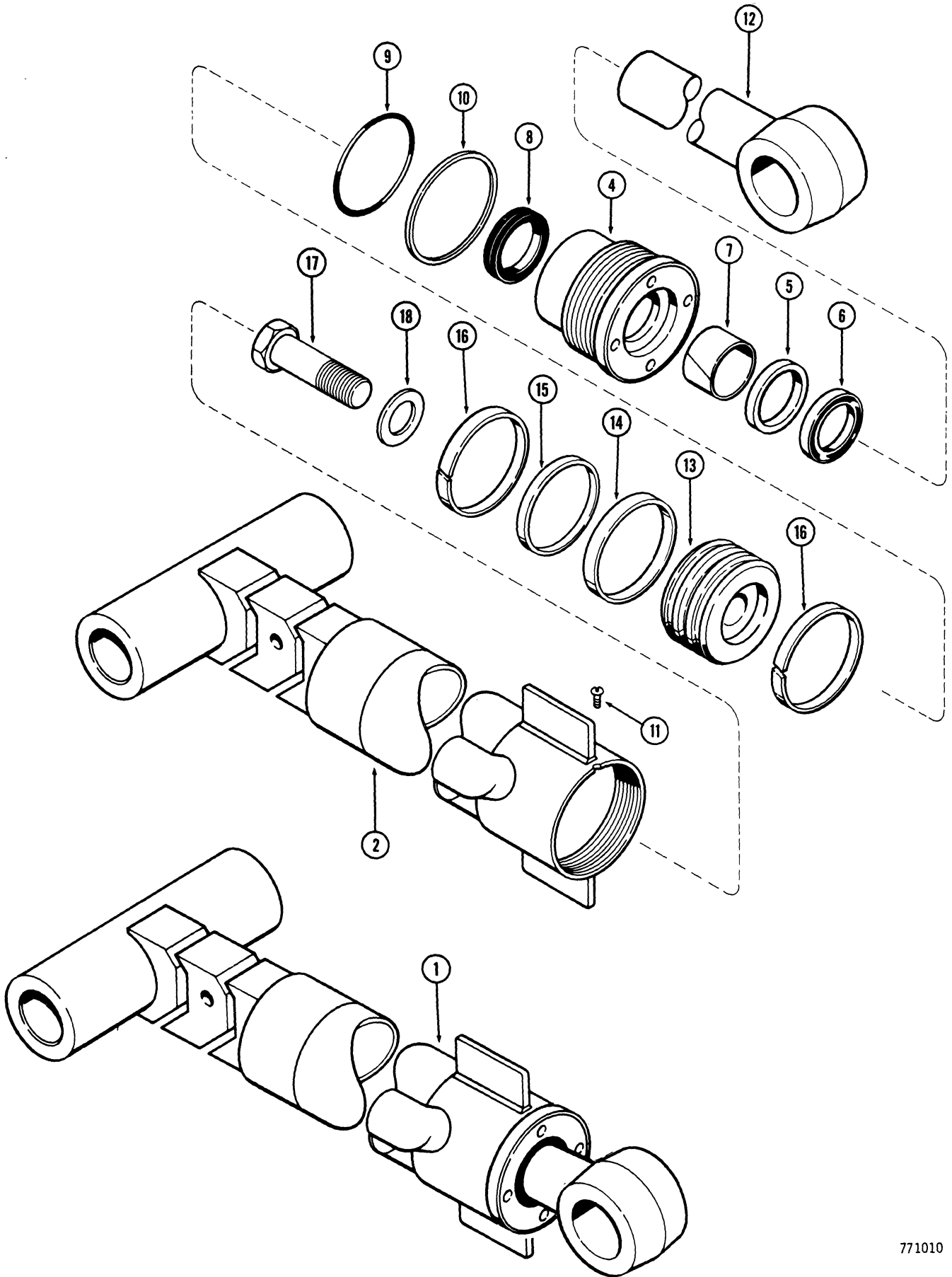


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 369

**G34426 BACKHOE DIPPER EXTENSION CYLINDER
WITH TWO PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 34426	CYLINDER ASSEMBLY - dipper extension, 3" (76 mm) x 48" (1219 mm) stroke	1
2	G 34427	TUBE - cylinder	1
3		RESERVED	
	G 34328	GLAND ASSEMBLY - cylinder	1
4	NSS	GLAND - cylinder	1
5	NSS	RING - retaining	1
6	*D 95142	WIPER - piston rod	1
7	*G 34302	BEARING - center	1
8	*D 36969**	SEAL - piston rod	1
9	*A 30095	O-RING - gland	1
10	*G 32122	RING - backup	1
11	187- 1031	SCREW - #8 - 32 NC x 1/4", self tapping	1
12	G 34432	ROD - piston, 1-1/2" (38 mm) O.D.	1
13	G 33150	PISTON - split, rod end	1
14	D 28366	PISTON - split, bolt end	1
	*G 33151	PACKING - piston	1
15	NSS	PACKING - "V" type	2
16	NSS	RING - center bearing	1
17	28- 1240	HHCS - piston, 3/4" - 16 NF x 2-1/2", grade 8	1
18	G 32317	WASHER - hardened	1
	*G 34332	SEAL KIT - cylinder repair, includes all items with an asterisk	1
	**G 100778	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

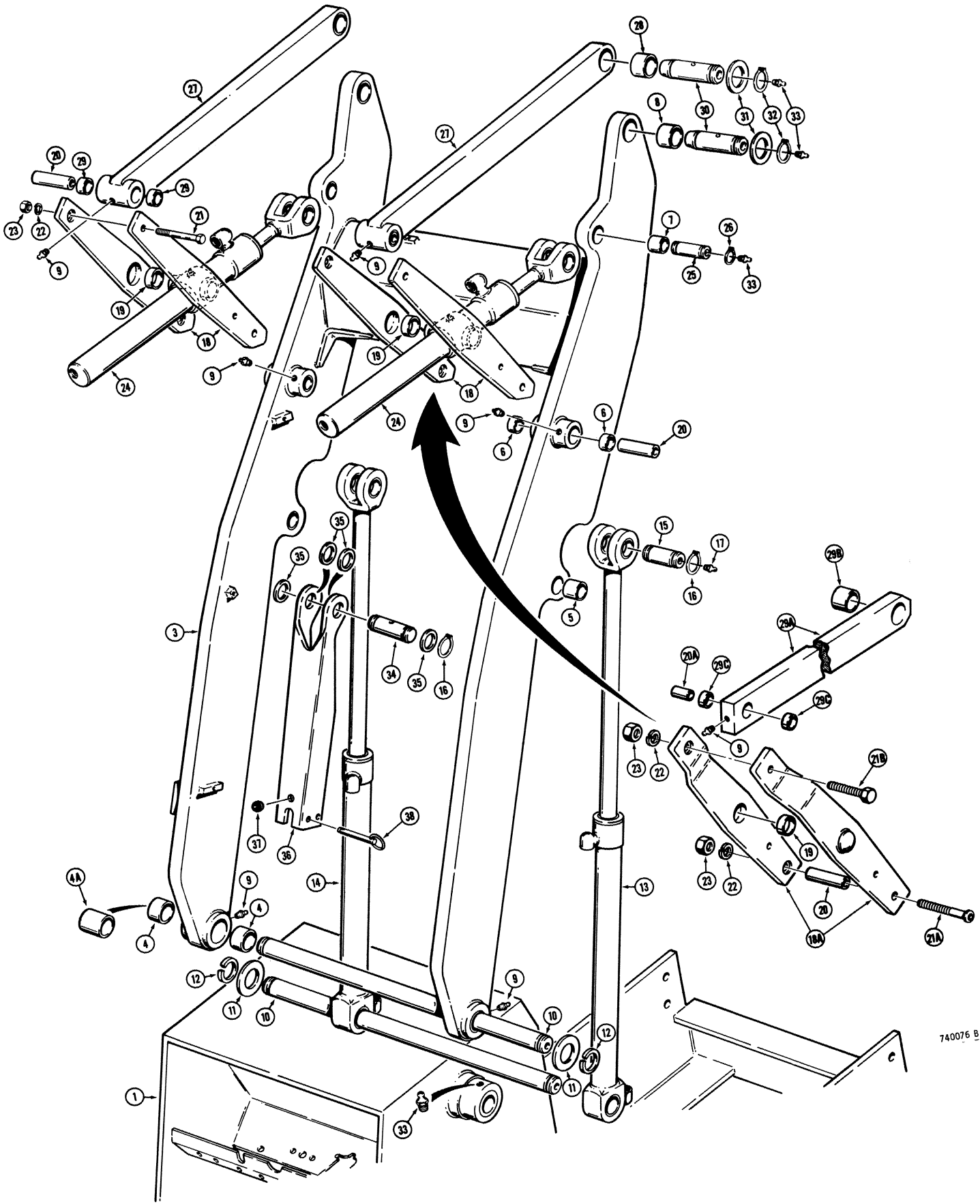


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 371

**G101259 BACKHOE DIPPER EXTENSION CYLINDER
WITH ONE PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G 101259	CYLINDER ASSEMBLY - dipper extension, 3" (76 mm) x 48" (1219 mm) stroke	1
2	G 34427	TUBE ASSEMBLY - cylinder	1
3		RESERVED	
	G 34328	GLAND ASSEMBLY - cylinder	1
4	NSS	GLAND - cylinder	1
5	NSS	RING - retaining	1
6	*D 95142	WIPER - piston rod	1
7	*G 34302	BEARING - center	1
8	*D 36969**	SEAL - piston rod	1
9	*A 30095	O-RING - gland	1
10	*G 32122	RING - backup	1
11	187- 1031	SCREW - self tapping, #8 - 32 NC x 1/4"	1
12	G 34432	ROD - piston, 1-1/2" (38 mm) O.D.	1
13	G 100442	PISTON - cylinder	1
14	*G 102288	SEAL - piston	1
15	*G 100444	RING - backup	1
16	*G 100449	RING - wear	2
17	28- 1240	HHCS - 3/4" - 16 NF x 2-1/2", grade 8	1
18	G 32317	WASHER - hardened	1
	*G 102404	KIT - seal, includes all items with an asterisk	1
	**G 100778	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder gland or tube.

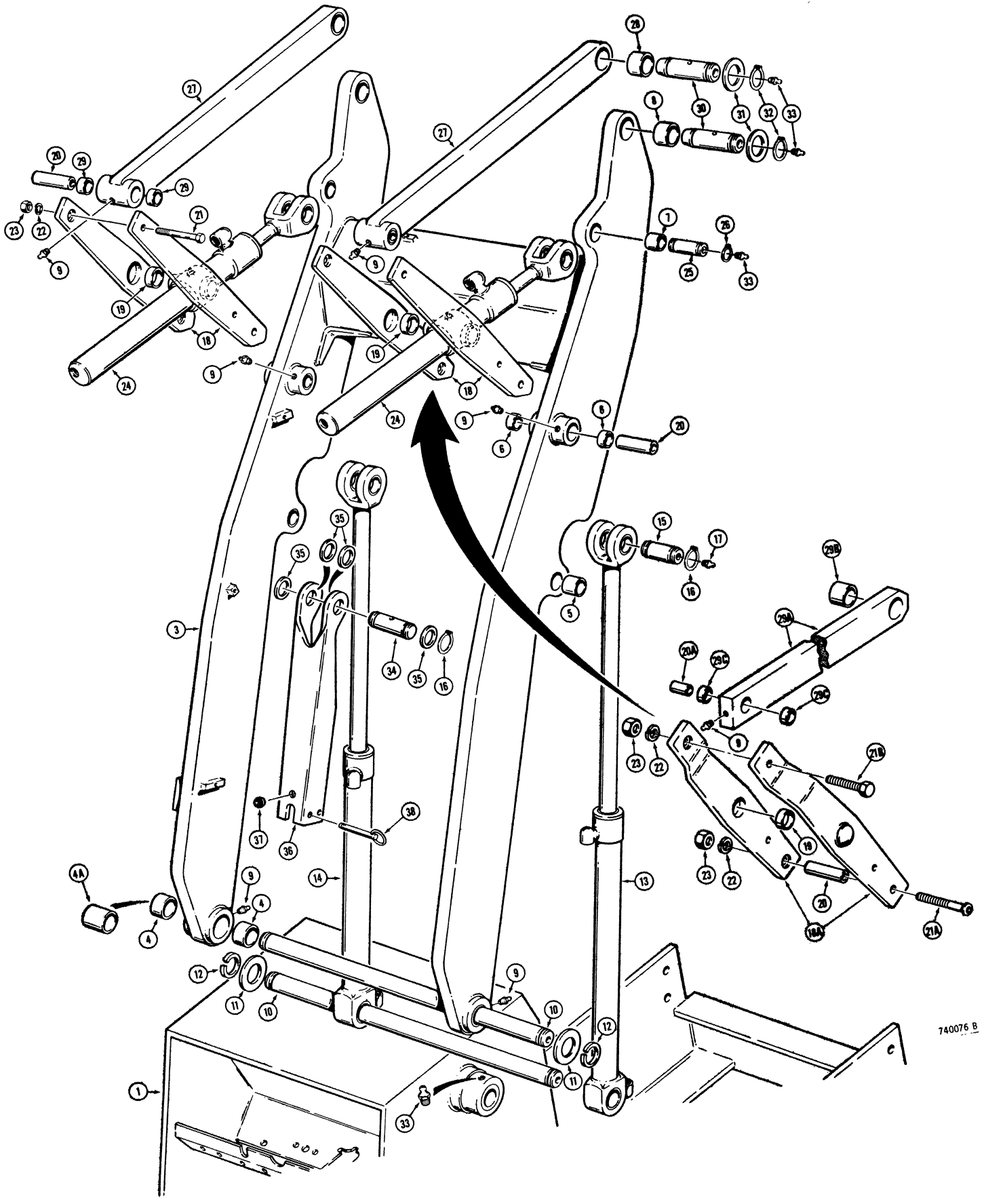


740076 B

LOADER LIFT FRAME AND RELATED PARTS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	CHASSIS ASSEMBLY - see page 423 for proper parts and bushings	1
2		RESERVED	
3	L 57111	FRAME ASSEMBLY - loader lift, used before tractor sn. 9114538, for service order L59852 frame and L59854 return-to-dig rod, see page 385	1
3	L 59852	FRAME ASSEMBLY - loader lift, tractor sn. 9114538 thru 9118631	1
3	L 71121	FRAME ASSEMBLY - loader lift, tractor sn. 9118631 thru 9124788 with dual bushings at chassis pivot pin	1
3	L 73721	FRAME ASSEMBLY - loader lift, tractor sn. 9118631 thru 9124788 with single bushings at chassis pivot pin	1
3	L 79371	FRAME ASSEMBLY - loader lift, used on tractor sn. 9124788 and after	1
4	D 33024	BUSHING - lift frame at chassis, models with dual bushings ..	4
4A	L 79365	BUSHING - lift frame at chassis, models with single bushings ..	2
5	D 34354	BUSHING - lift frame at lift cylinders	2
6	D 30930	BUSHING - lift frame at bucket linkage	4
7	D 30929	BUSHING - lift frame at bucket cylinders	2
8	D 31142	BUSHING - lift frame at bucket	2
9	219- 1	FITTING - grease, straight, 1/8" NPT	4-6
10	L 57362	PIN - pivot, lift arm and lift cylinders to chassis	2
11	D 34668	WASHER - special	4
12	D 34664	RING - pin retaining	4
13	REF.	CYLINDER - R.H. lift, see page 337 or 339	1
14	REF.	CYLINDER - L.H. lift, see page 337 or 339	1
15	D 34658	PIN - mounting, lift cylinder to lift frame, see item 34	1-2
16	D 25280	RING - pin retaining	4
17	219- 1	FITTING - grease, straight, 1/8" NPT	2
18	L 55958	BELLCRANK ASSEMBLY - straight type, includes bushings	4
18A	L 74595	BELLCRANK ASSEMBLY - offset type, includes bushings	4
19	D 31512	BUSHING - bellcrank at cylinder	1
20	L 57197	SPACER - bellcrank	2-4
20A	L 74594	SPACER - used with offset bellcranks only	2
21	26- 12108	HHCS - 3/4" - 10 NC x 6-3/4", grade 8, if used	2-4
21A	164- 675	BOLT - button head, 3/4" - 10 NC x 6-3/4", grade 8, if used ...	2-4
21B	26- 1268	HHCS - 3/4" - 10 NC x 4-1/4", grade 8, used with offset bellcranks at bucket link	2
22	92- 12	WASHER - lock, 3/4"	4
23	129- 138	NUT - hex., 3/4" - 10 NC, grade 8, plated	4
24	REF.	CYLINDER - bucket tilt, see page 341 or 343	2
25	D 34656	PIN - bucket cylinder to lift frame	2
26	D 25279	RING - pin retaining	4

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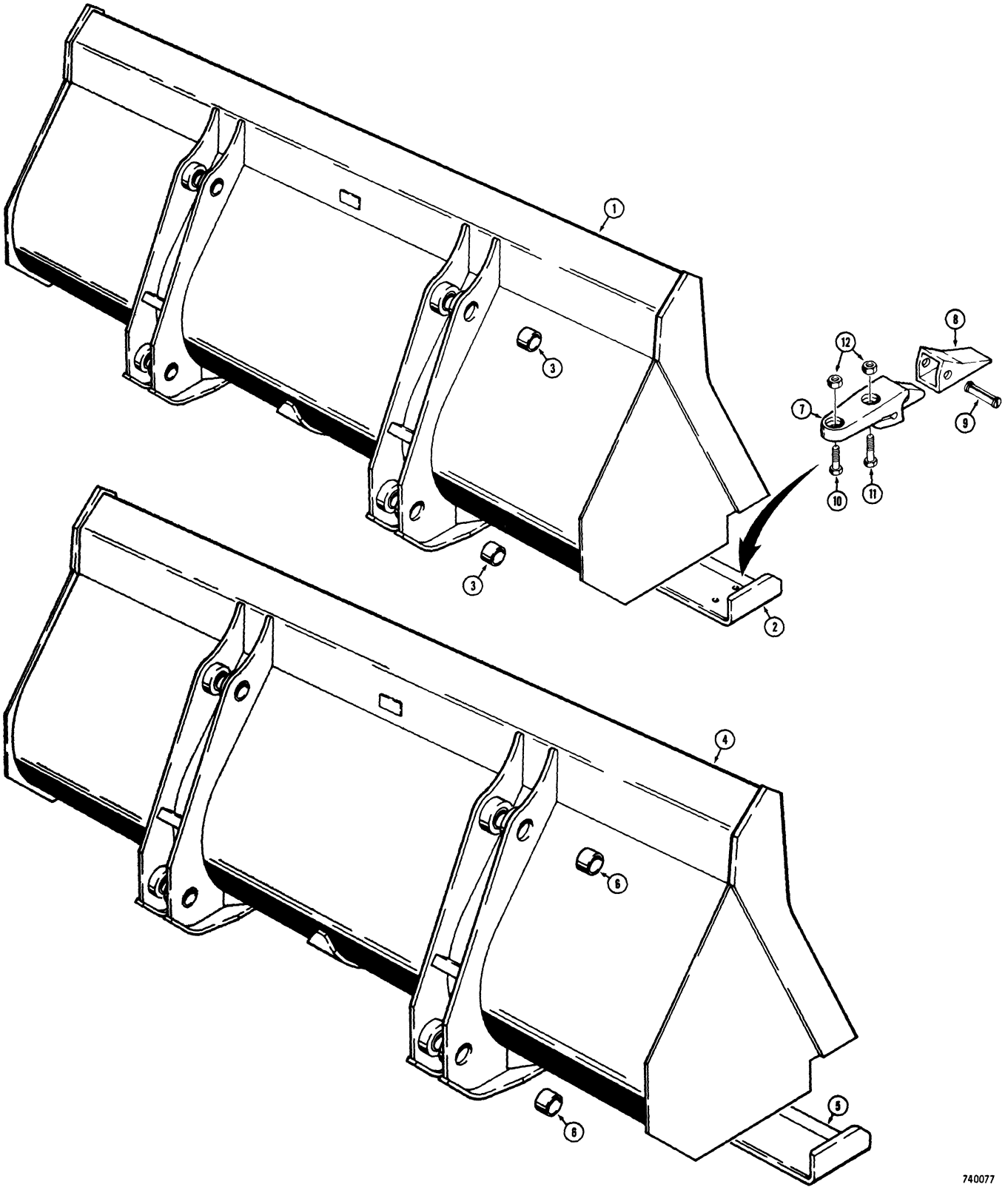
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 375

LOADER LIFT FRAME AND RELATED PARTS

REF.	PART NO.	DESCRIPTION	REQ'D.
27	L 55962	LINK ASSEMBLY - bucket, used with straight bellcranks	2
28	D 31142	BUSHING - link, at bucket	1
29	D 32919	BUSHING - link, at bellcrank	2
29A	L 78551	LINK ASSEMBLY - bucket, used with offset bellcranks	2
29B	D 31142	BUSHING - link, at bucket	1
29C	D 30930	BUSHING - link, at bellcrank	2
30	L 55737	PIN - bucket link and lift arm to bucket	4
31	195- 2155	WASHER - flat	8
32	D 26919	RING - pin retaining	8
33	219- 1	FITTING - grease, straight, 1/8" NPT	8

SPECIAL PARTS USED WITH SAFETY STRUT

34	L 78791	PIN - L.H. lift cylinder mounting	1
35	195- 2151	WASHER - flat	4
36	L 78530	STRUT - safety	1
37	D 42106	GROMMET - rubber	1
38	L 78801	PIN - hitch	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 377

LOADER BUCKETS

REF.	PART NO.	DESCRIPTION	REQ'D.
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1-1/4 CU. YD. (1.0 CU. METRE) LOADER BUCKET

L	74889	BUCKET ASSEMBLY - 86" (2184 mm) wide, machinery item, see page 2 for ordering	1
1	NSS	BUCKET - loader	1
2	L 58159	EDGE - cutting	1
3	D 31142	BUSHING - bucket	8

1-1/2 CU. YD. (1.2 METRE) LOADER BUCKET

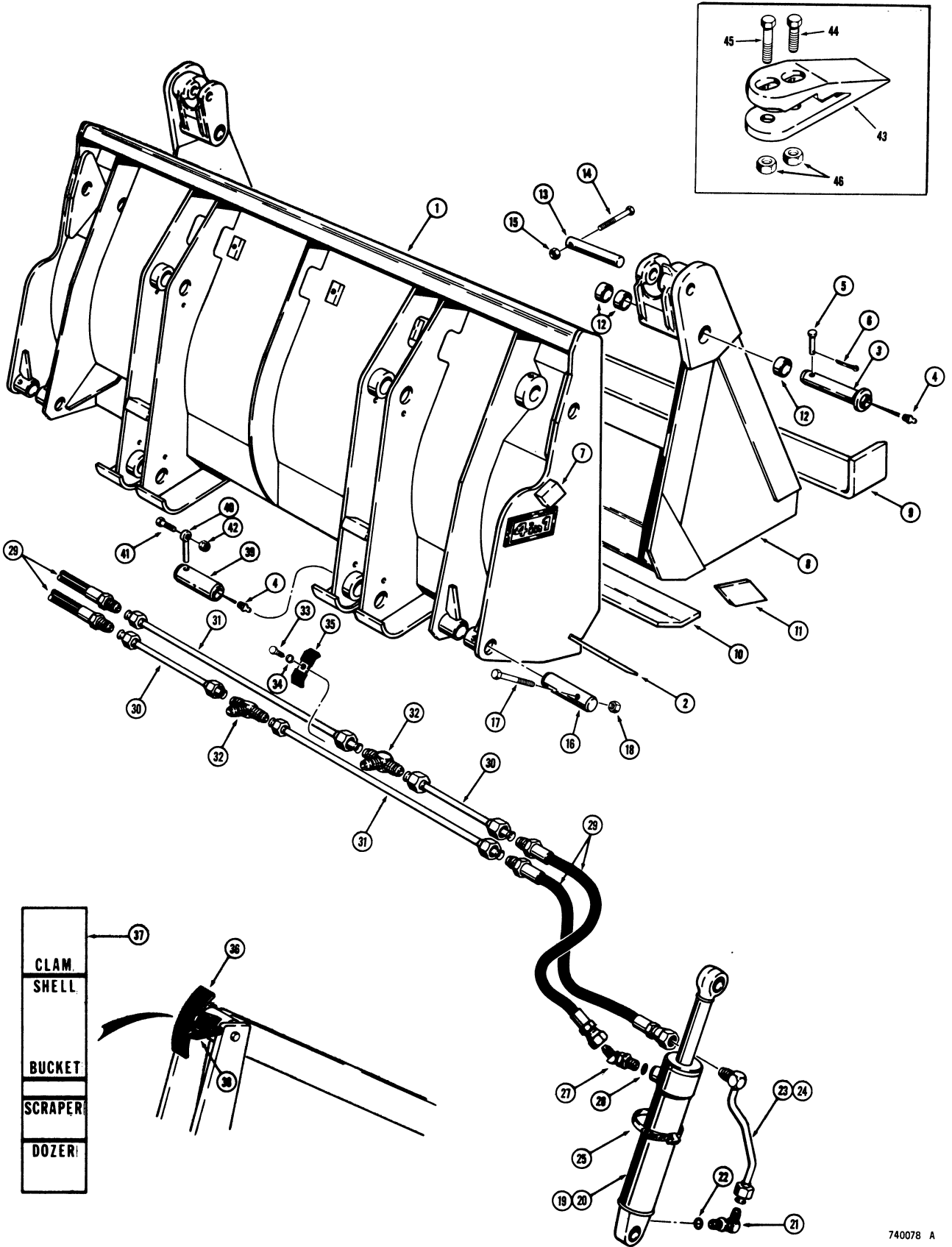
L	76924	BUCKET ASSEMBLY - 96" (2438 mm) wide, machinery item see page 2 for ordering	1
1	NSS	BUCKET - loader	1
2	L 58427	EDGE - cutting	1
3	D 31142	BUSHING - bucket ear	8

1-3/4 CU. YD. (1.3 CU. METRE) LOADER BUCKET

L	76487	BUCKET ASSEMBLY - 96" (2438 mm) wide, machinery item, see page 2 for ordering	1
4	NSS	BUCKET - loader	1
5	L 58427	EDGE - cutting	1
6	D 31142	BUSHING - bucket ear	8

BUCKET TEETH — OPTIONAL ON L74889 BUCKET

D	50780	TOOTH ASSEMBLY - bucket	8
7	NSS	SHANK - tooth	1
8	D 51750	POINT - tooth	1
9	D 39094	FLEX PIN - point	1
10	26- 1036	HHCS - 5/8" - 11 NC x 2-1/4", grade 8	8
11	26- 1040	HHCS - 5/8" - 11 NC x 2-1/2", grade 8	8
12	129- 563	NUT - hex., 5/8" - 11 NC	16

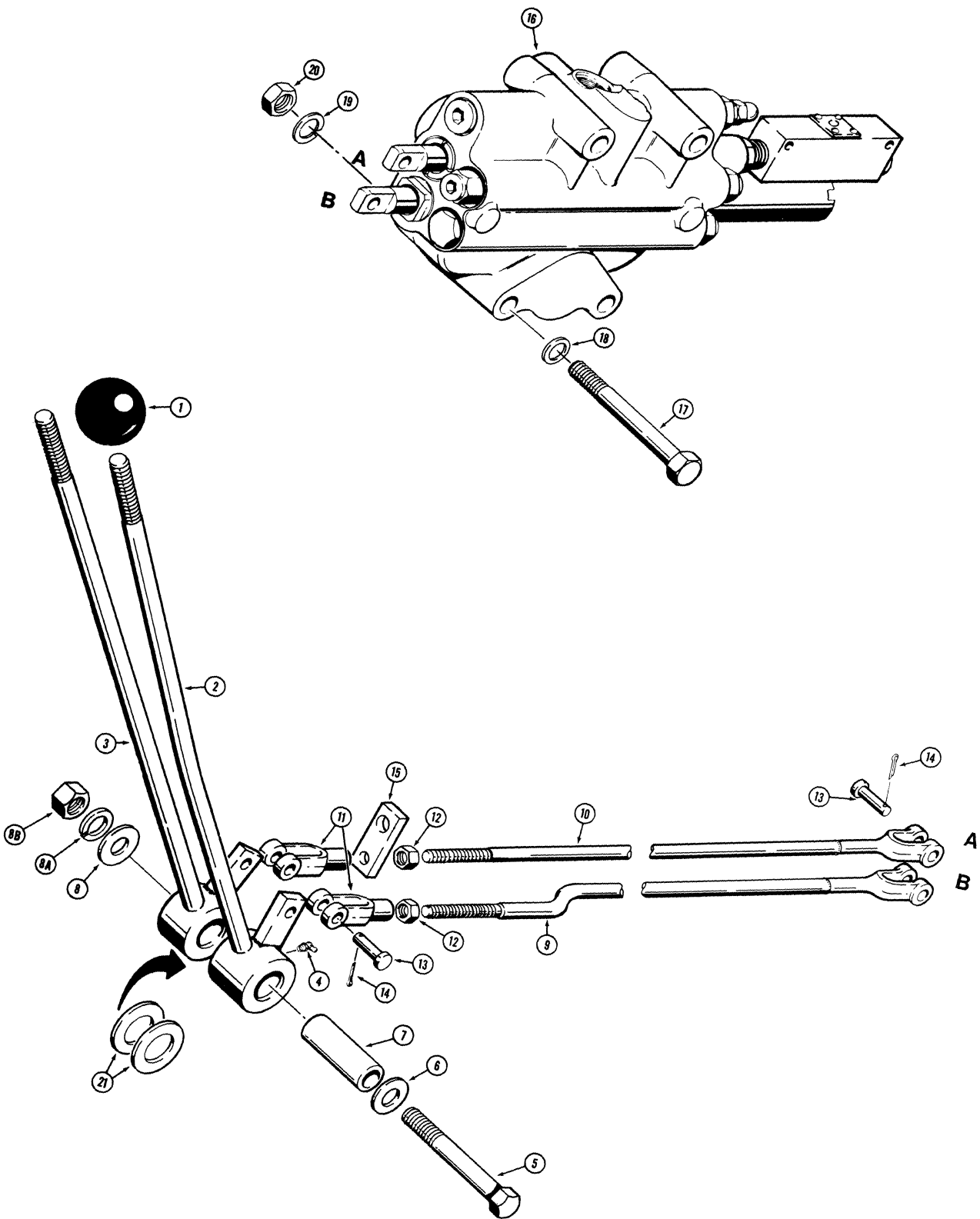


4-IN-1 BUCKET

REF.	PART NO.	DESCRIPTION	REQ'D
	L 76489	BUCKET ASSEMBLY - without teeth, machinery item, see page 2 for ordering	1
	L 76490	BLADE ASSEMBLY - bucket	1
1	NSS	BLADE - bucket	1
2	D 95182	EDGE - blade cutting	1
3	D 46917	PIN - blade to clam	2
4	219- 1	FITTING - grease, straight, 1/8" NPT	6
5	D 46973	PIN - clevis	2
6	132- 48	PIN - cotter, 1/8" x 1"	2
7	D 46913	BLOCK - stop	2
	D 49616	CLAM ASSEMBLY - bucket	1
8	NSS	CLAM - bucket	1
9	D 49617	EDGE - cutting	1
10	D 49618	PLATE - wear	1
11	D 46914	HOOK - grab	2
12	D 31140	BUSHING - hinge	6
13	D 39311	PIN - upper, cylinder to clam	2
14	13- 668	HHCS - 3/8" - 16 NC x 4-1/4"	2
15	131- 471	NUT - hex, lock, 3/8" - 16 NC	2
16	D 39306	PIN - lower, cylinder to blade	2
17	13- 644	HHCS - 3/8" - 16 NC x 2-3/4"	2
18	131- 471	NUT - hex, lock, 3/8" - 16 NC	2
19	REF.	CYLINDER - clam, R.H., see page 345 and 347	1
20	REF.	CYLINDER - clam, L.H., see pages 345 and 347	1
21	218- 5107	FITTING - 90°	2
22	218- 5007	O-RING - fitting	1
23	D 46957	TUBE - closed end cylinder, R.H.	1
24	D 46955	TUBE - closed end cylinder, L.H.	1
25	214- 267	CLAMP - tube	2
26		RESERVED	
27	218- 5137	FITTING - 45°	2
28	218- 5007	O-RING - fitting	1
29	36547	HOSE - tube to cylinder, 19" (482 mm) long	4
30	L 53589	TUBE - tee to cylinder, 15-1/2" (394 mm) long	2
31	L 53591	TUBE - tee to cylinder, 35-1/2" (902 mm) long	2
32	218- 595	FITTING - swivel tee	2
33	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	3
34	92- 6	WASHER - lock, 3/8"	3
35	D 40236	CLAMP - tube	3
36	L 58345	BRACKET - decal mounting, used before sn. 9124776	1
36	L 79128	BRACKET - decal mounting, used on sn. 9124776 and after	1
37	321- 2654	DECAL - bucket position	1
38	L 58348	PLATE - gauge indicator, used before sn. 9124776	1
38	L 79069	PLATE - gauge indicator, used on sn. 9124776 and after	1
39	L 53855	PIN - mounting, bucket	4
40	R 17756	ROD - retaining, mounting pin	4
41	13- 828	HHCS - 1/2" - 13 NC x 1-3/4"	4
42	131- 10	NUT - hex, 1/2" - 13 NC	4

OPTIONAL BUCKET TEETH

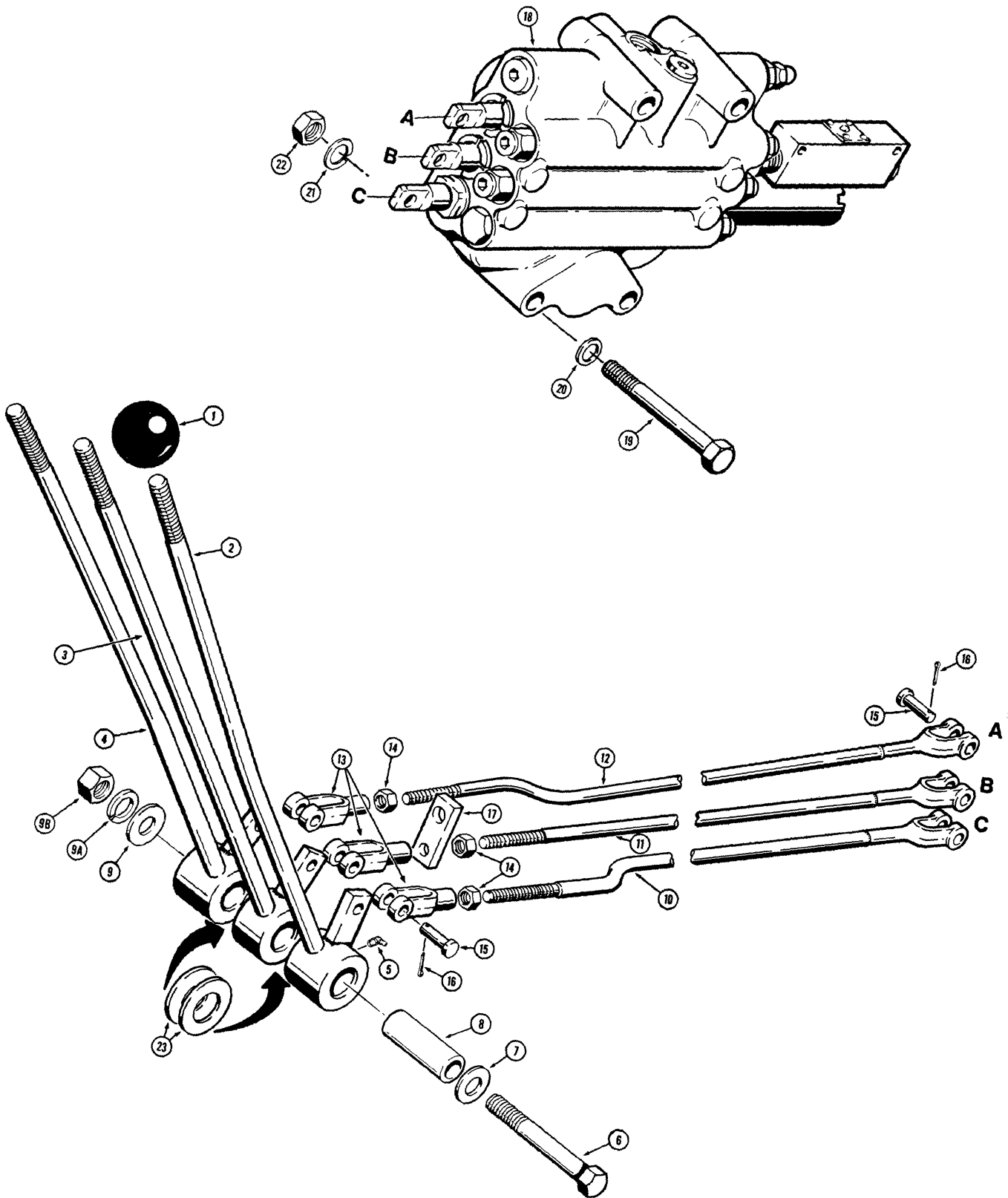
43	D 46885	TOOTH - bucket	7
44	13- 832	HHCS - 1/2" - 13 NC x 2"	7
45	13- 836	HHCS - 1/2" - 13 NC x 2-1/4"	7
46	25- 108	NUT - hex, 1/2" - 13 NC	14



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 381

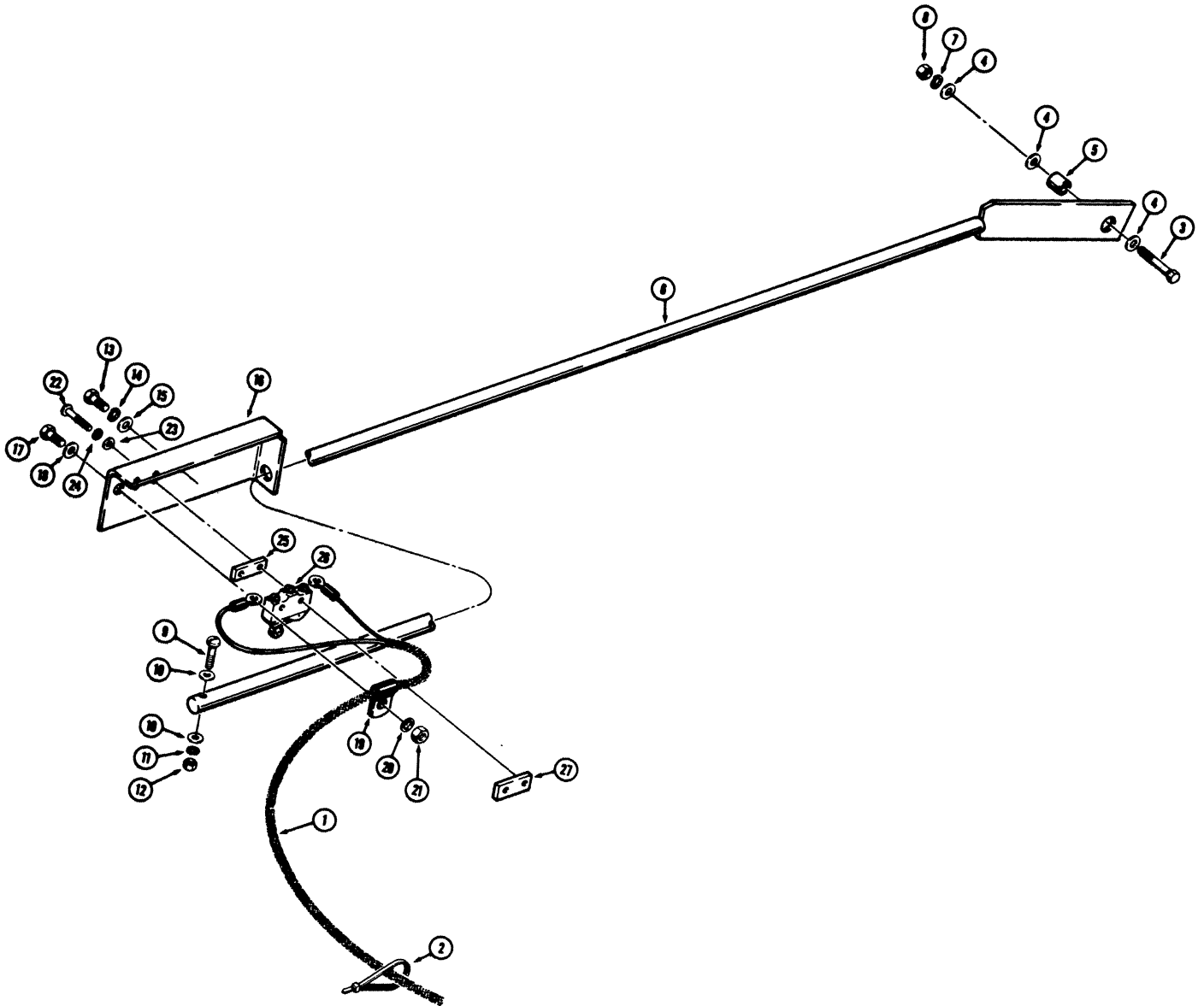
**LOADER CONTROLS
2 SPOOL VALVE AND LEVERS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 54563	KNOB - control lever	2
2	L 72110	LEVER - lift control	1
3	L 72111	LEVER - bucket control	1
4	219- 92	FITTING - grease, 90°, 1/8" NPT, self tapping	2
5	13- 864	HHCS - 1/2" - 13 NC x 4"	1
6	195- 2054	WASHER - flat, 1/2"	1
7	L 73453	SLEEVE - pivot, loader control levers	1
8	95- 8	WASHER - flat, 1/2"	1
8A	92- 8	WASHER - lock, 1/2"	1
8B	25- 108	NUT - hex., 1/2" - 13 NC	1
9	L 73018	ROD - lift lever to valve	1
10	L 57287	ROD - bracket control lever to valve	1
11	213- 3	YOKE - rod end, 5/16"	2
12	25- 155	NUT - hex., lock, 5/16" - 24 NF	2
13	141- 3	PIN - clevis, 5/16"	4
14	132- 25	PIN - cotter, 3/32" x 5/8"	4
15	L 53636	PLATE - anti-roll back to bucket control rod	1
16	REF.	VALVE - loader control, 2 spool, see pages 299 and 301	1
17	13- 672	HHCS - 3/8" - 16 NC x 4-1/2"	3
18	95- 6	WASHER - flat, 3/8"	3
19	92- 6	WASHER - lock, 3/8"	3
20	25- 106	NUT - hex., 3/8" - 16 NC	3
21	195- 2191	WASHER - spacer	UAR



**LOADER CONTROLS
3 SPOOL VALVE AND LEVERS**

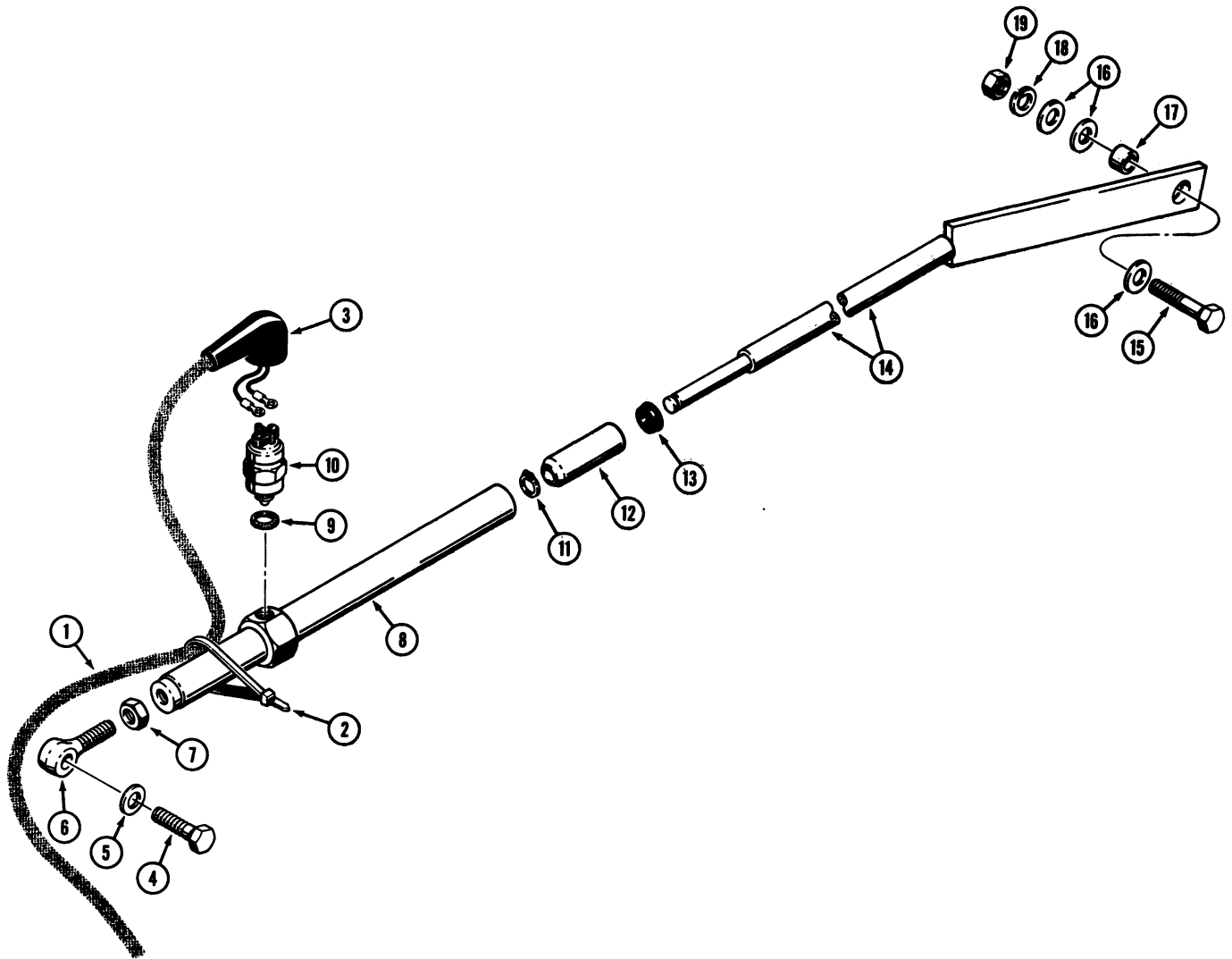
REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 54563	KNOB - control lever	3
2	L 72110	LEVER - lift control	1
3	L 72111	LEVER - bucket control	1
4	L 72109	LEVER - clam control	1
5	219- 92	FITTING - grease, 90°, 1/8" NPT, self tapping	3
6	13- 888	HHCS - 1/2" - 13 NC x 5-1/2"	1
7	195- 2054	WASHER - flat, 1/2"	1
8	L 73456	PIN - mounting, loader control levers	1
9	95- 8	WASHER - flat, 1/2"	1
9A	92- 8	WASHER - lock, 1/2"	1
9B	25- 108	NUT - hex., 1/2" - 13 NC	1
10	L 73018	ROD - lift lever to valve	1
11	L 57287	ROD - bucket control lever to valve	1
12	L 77390	ROD - clam control lever to valve	1
13	213- 3	YOKE - rod end, 5/16"	3
14	25- 155	NUT - hex., lock, 5/16" - 24 NF	3
15	141- 3	PIN - clevis, 5/16"	6
16	132- 25	PIN - cotter, 3/32" x 5/8"	6
17	L 53636	PLATE - anti-roll back to bucket control rod	1
18	REF.	VALVE - loader control, 3 spool, see pages 299 and 301	1
19	13- 672	HHCS - 3/8" - 16 NC x 4-1/2"	3
20	95- 6	WASHER - flat, 3/8"	3
21	92- 6	WASHER - lock, 3/8"	3
22	25- 106	NUT - hex., 3/8" - 16 NC	3
23	195- 2191	WASHER - spacer	UAR



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 385

**LOADER CONTROL
RETURN-TO-DIG PARTS
USED ON MODELS BEFORE TRACTOR SN 9118631**

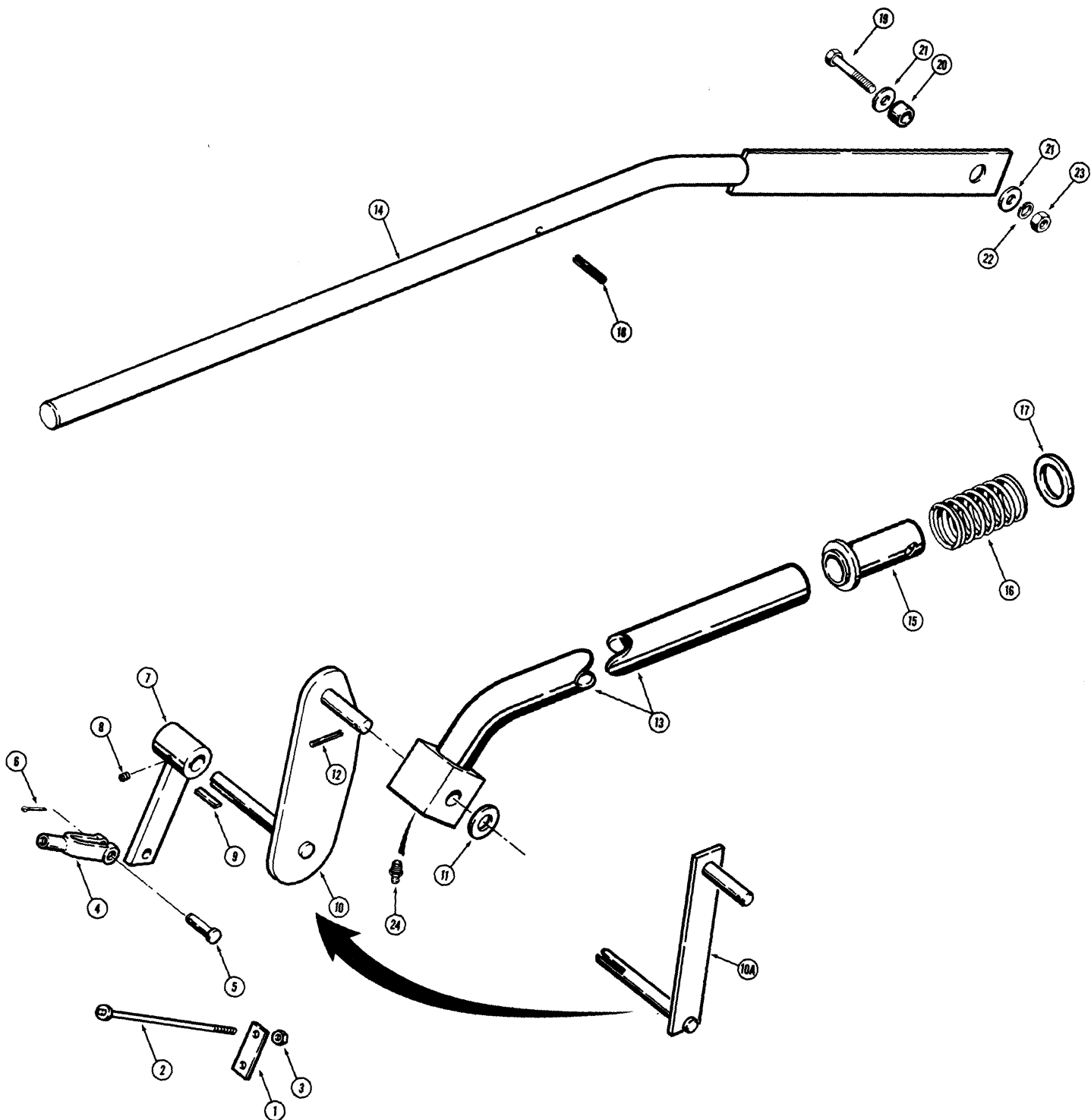
REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 58334	HARNES - front wiring	1
2	L 11541	STRAP - harness tie	5
3	13- 836	HHCS - 1/2" - 13 NC x 2-1/4"	1
4	95- 8	WASHER - flat, 1/2"	3
5	L 57298	BUSHING - return-to-dig rod	1
6	L 58983	ROD - return-to-dig, before tractor sn. 9114538, 59-1/2" (1511 mm) overall	1
6A	L 59854	ROD - return-to-dig, tractor sn. 9114538 and after, 57-1/2" (1460 mm) overall, not shown	1
7	92- 8	WASHER - lock, 1/2"	1
8	25- 108	NUT - hex., 1/2" - 13 NC	1
9	182- 208	SCREW - machine, pan head, 1/4" - 20 NC x 1-1/4"	1
10	95- 4	WASHER - flat, 1/4"	2
11	92- 4	WASHER - lock, 1/4"	1
12	25- 104	NUT - hex., 1/4" - 20 NC	1
13	13- 612	HHCS - 3/8" - 16 NC x 3/4"	2
14	92- 6	WASHER - lock, 3/8"	2
15	95- 6	WASHER - flat, 3/8"	2
16	L 58984	COVER AND BRACKET - return-to-dig switch	1
17	13- 612	HHCS - 3/8" - 16 NC x 3/4"	1
18	95- 6	WASHER - flat, 3/8"	1
19	D 43839	CLAMP - harness to cover	1
20	92- 6	WASHER - lock, 3/8"	1
21	25- 106	NUT - hex., 3/8" - 16 NC	1
22	169- 143	SCREW - machine, round head, #6 - 32 NC x 1-1/2"	2
23	195- 507	WASHER - flat, #6	2
24	193- 4	WASHER - lock, #6	2
25	L 70276	SPACER - switch to cover	2
26	L 54683	SWITCH - limit, return-to-dig	1
27	L 52496	BLOCK - tapped (Switch adjustment)	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 387

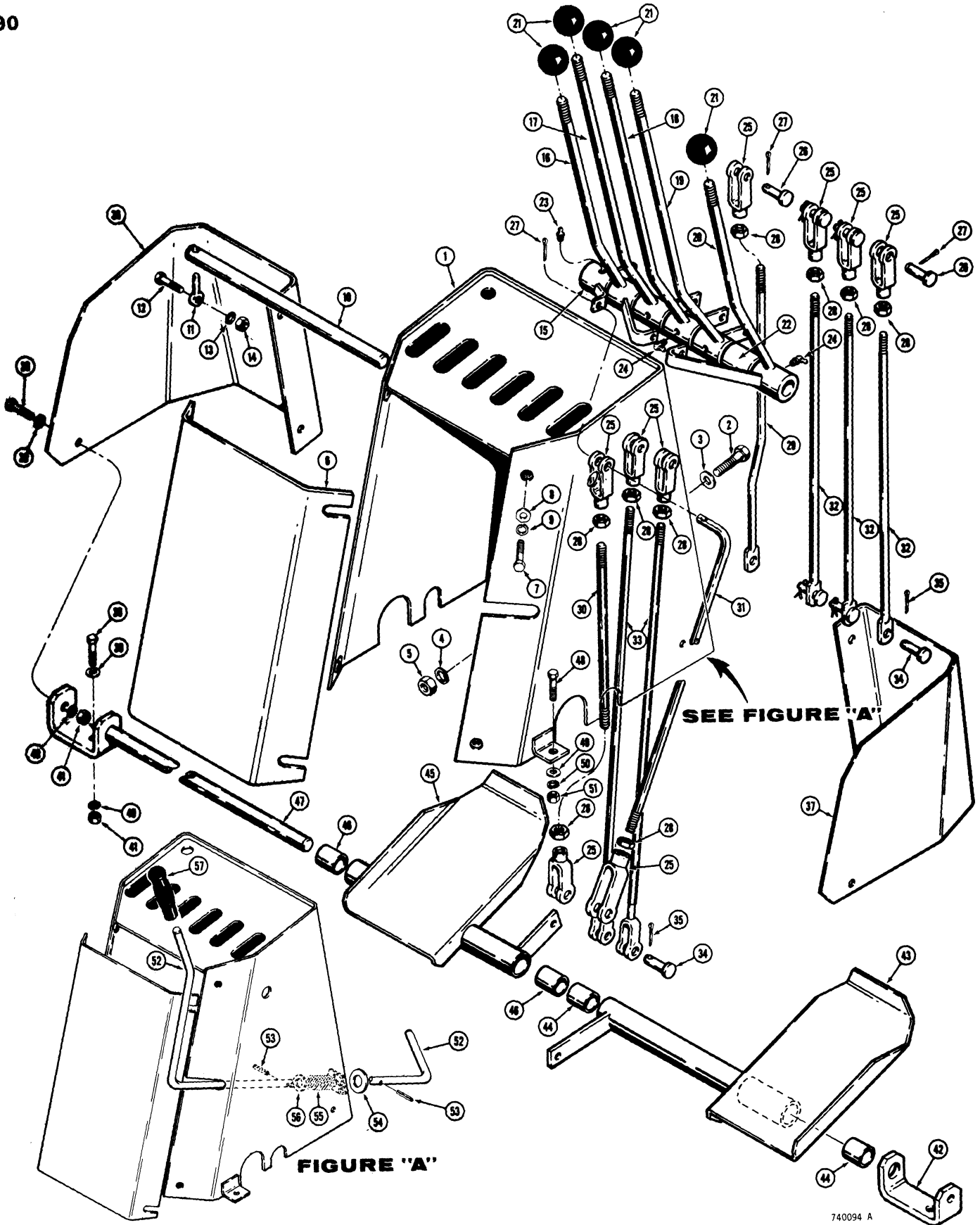
**LOADER CONTROL
RETURN-TO-DIG PARTS
TRACTOR SN 9118631 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 58334	HARNESS - front wiring	1
2	L 11541	STRAP - harness tie	6
3	L 71343	BOOT - switch, if used	1
4	13- 828	HHCS - 1/2" - 13 NC x 1-3/4"	1
5	195- 33	WASHER - flat, 1/2", if used	1
	L 71239	RETURN-TO-DIG ASSEMBLY - loader control	1
6	L 73773	EYE - rod	1
7	25- 148	NUT - hex., lock, 1/2" - 13 NC	1
8	L 73093	TUBE - outer	1
9	33261	GASKET - switch	1
10	L 71304	SWITCH - return-to-dig	1
11	A 11538	RING - retaining	1
12	L 72720	TUBE - inner slide	1
13	L 71557	SEAL - inner tube	1
14	L 72771	ROD - return-to-dig	1
15	13- 836	HHCS - 1/2" - 13 NC x 2-1/4"	1
16	95- 8	WASHER - flat, 1/2"	3
17	L 57298	BUSHING - pivot	1
18	92- 8	WASHER - lock, 1/2"	1
19	25- 108	NUT - hex., 1/2" - 13 NC	1



LOADER CONTROL
ANTI-ROLLBACK PARTS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 53636	PLATE - anti-rollback control, at valve control lever	1
2	114- 146	BOLT, control, anti-rollback, rear	1
3	25- 155	NUT - hex., lock, 5/16" - 24 NF	1
4	213- 3	YOKE - rod, 5/16"	1
5	141- 3	PIN - clevis, 5/16"	1
6	132- 25	PIN - cotter, 3/32" x 5/8"	1
7	L 57277	LINK - pivot, anti-rollback control, used with L57274 bellcrank, for service order L70413 link and L70414 bellcrank ..	1
7	L 77524	LINK - pivot, anti-rollback control, used with L72910 bellcrank ..	1
8	75- 420	SCREW - round head, 1/4" x 1-1/4", used with L70413 link	1
8	182- 208	SCREW - pan head, 1/4" x 1-1/4", used with L57277 link	1
9	A 27001	KEY - parallel, 3/16" x 1-3/8"	1
10	L 57274	BELLCRANK - control, anti-rollback, used with L57277 link, for service order L70413 link and L72910 bellcrank	1
10A	L 72910	BELLCRANK - control, anti-rollback, used with L70413 link	1
11	195- 45	WASHER - flat, 3/4"	1
12	138- 138	PIN - roll, 1/4" x 1-1/2"	1
13	L 70193	TUBE - support, anti-rollback rod, Does not use grease fitting ..	1
13	L 73169	TUBE - support, anti-rollback rod, uses grease fitting	1
14	L 70180	ROD - control, anti-rollback, front	1
15	L 70294	SLEEVE - spring	1
16	T 51274	SPRING - anti-rollback control	1
17	195- 2122	WASHER - flat, 1-1/4"	5
18	138- 2039	PIN - roll, 1/4" x 2"	1
19	13- 836	HHCS - 1/2" - 13 NC x 2-1/4"	1
20	L 57298	BUSHING - pivot, control rod	1
21	95- 8	WASHER - flat, 1/2"	2
22	92- 8	WASHER - lock, 1/2"	1
23	25- 108	NUT - hex., 1/2" - 13 NC	1
24	219- 1	FITTING - grease, straight, 1/8" NPT	1

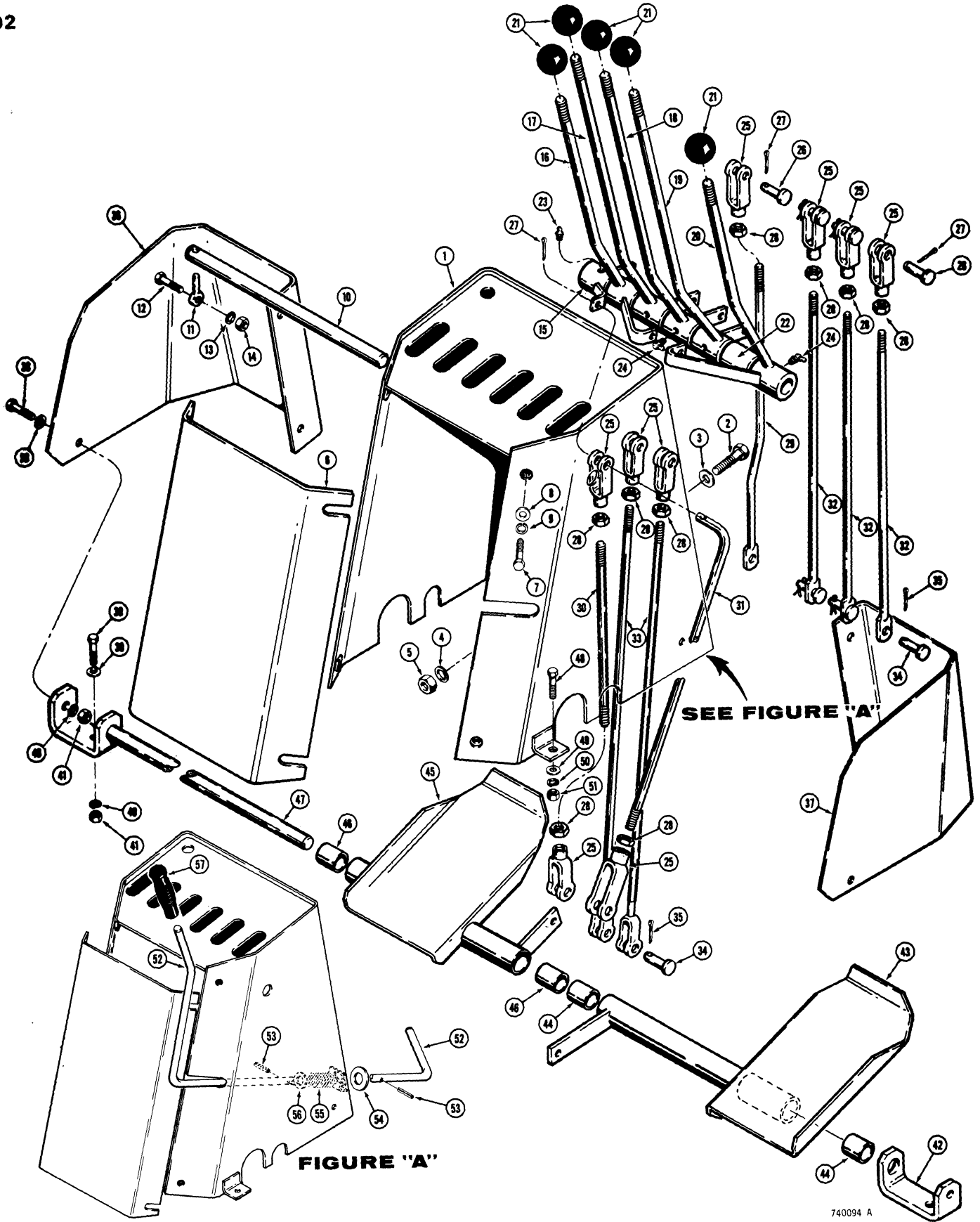


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 391

BACKHOE CONTROLS WITH FOOT SWING

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 59515	CONSOLE - backhoe control	1
2	13- 820	HHCS - 1/2" - 13 NC x 1-1/4", console mounting	2
3	95- 8	WASHER - flat, 1/2"	2
4	92- 8	WASHER - lock, 1/2"	2
5	25- 108	NUT - hex., 1/2" - 13 NC	2
6	L 55451	COVER - backhoe console	1
7	13- 620	HHCS - 3/8" - 16 NC x 1-1/4", cover mounting	4
8	95- 6	WASHER - flat, 3/8"	4
9	92- 6	WASHER - lock, 3/8"	4
10	L 55445	SHAFT - control handle	1
11	L 55570	ROD END - control shaft retaining	1
12	13- 520	HHCS - 5/16" - 18 NC x 1-1/4"	1
13	92- 5	WASHER - lock, 5/16"	1
14	25- 105	NUT - hex., 5/16" - 18 NC	1
15	L 55460	BELLCRANK - foot swing	1
16	L 55461	HANDLE - stablizer, L.H., before tractor sn. 9114317, when stock is exhausted, order L59694 and L59695	1
16	L 59694	HANDLE - stablizer, L.H., tractor sn. 9114317 and after	1
17	L 55456	HANDLE - bucket	1
18	L 55457	HANDLE - dipper	1
19	L 55458	HANDLE - boom	1
20	L 55462	HANDLE - stabilizer, R.H., before tractor sn. 9114317, when stock is exhausted, order L59694 and L59695	1
20	L 59695	HANDLE - stabilizer, R.H., tractor sn. 9114317 and after	1
21	L 54563	KNOB - handle	5
22	L 55440	TUBE - spacer	1
23	219- 86	FITTING - grease, straight	1
24	219- 92	FITTING - grease, 90°	5
25	213- 4	CLEVIS - rod end, 3/8"	9
26	141- 4	PIN - clevis	8
27	132- 26	PIN - cotter, 3/32' x 3/4"	9
28	25- 156	NUT - lock, 3/8" - 24 NF	9
29	L 55454	ROD - swing control	1
30	L 55435	ROD - swing, L.H. foot control	1
31	L 55455	ROD - swing, R.H. foot control	1
32	L 55436	ROD - bucket, dipper and boom control	3
33	L 55466	ROD - stabilizer control	2
34	141- 3	PIN - clevis, 5/16"	6
35	132- 26	PIN - cotter, 3/32" x 3/4"	6

Continued on next page



SEE FIGURE 'A'

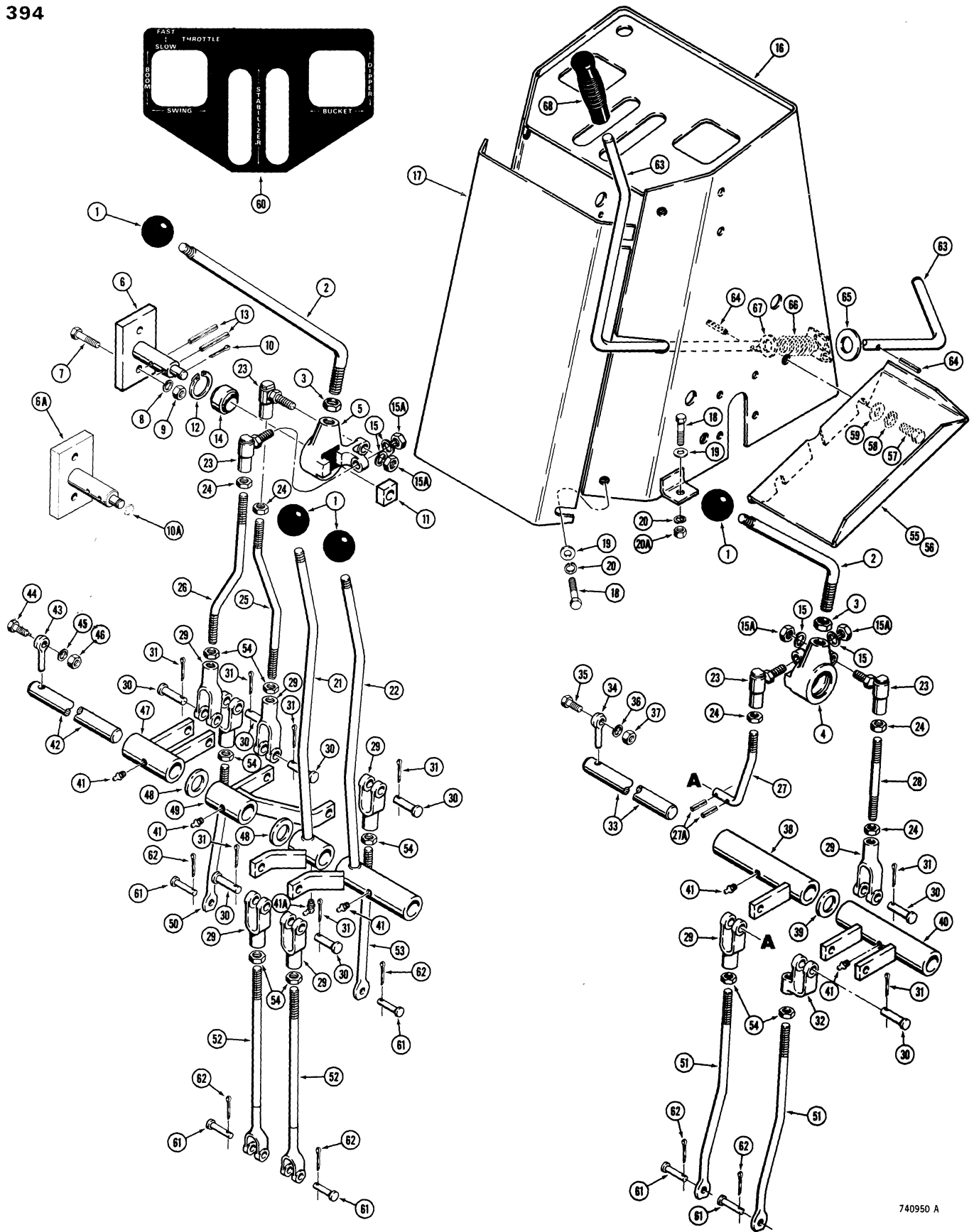
FIGURE 'A'

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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 393

BACKHOE CONTROLS WITH FOOT SWING

REF.	PART NO.	DESCRIPTION	REQ'D.
36	L 55553	SHIELD - L.H. foot pedal, not used with cab	1
37	L 55554	SHIELD - R.H. foot pedal, not used with cab	1
38	13- 620	HHCS - 3/8" - 18 NC x 1-1/4", shield mounting	8
39	95- 6	WASHER - flat, 3/8"	8
40	92- 6	WASHER - lock, 3/8"	8
41	25- 106	NUT - hex. 3/8" - 18 NC	8
42	L 70129	LUG - shield and shaft retaining	2
43	L 71078	PEDAL - swing, R.H.	1
44	D 30706	BUSHING - swing pedal	2
45	L 71077	PEDAL - swing, L.H.	1
46	D 30706	BUSHING - swing pedal	2
47	L 70130	SHAFT - swing pedal mounting	1
48	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	2
49	95- 6	WASHER - flat, 3/8"	2
50	92- 6	WASHER - lock, 3/8"	2
51	25- 106	NUT - hex. 3/8" - 16 NC	2
52	L 59332	LEVER - boom lock release	1
53	138- 2033	PIN - roll, 1/4" x 1-3/8"	2
54	D 53273	WASHER - special hardened	1
55	F 41514	SPRING - boom lock	1
56	95- 10	WASHER - flat, 5/8"	1
57	L 52477	GRIP - handle, boom lock release	1

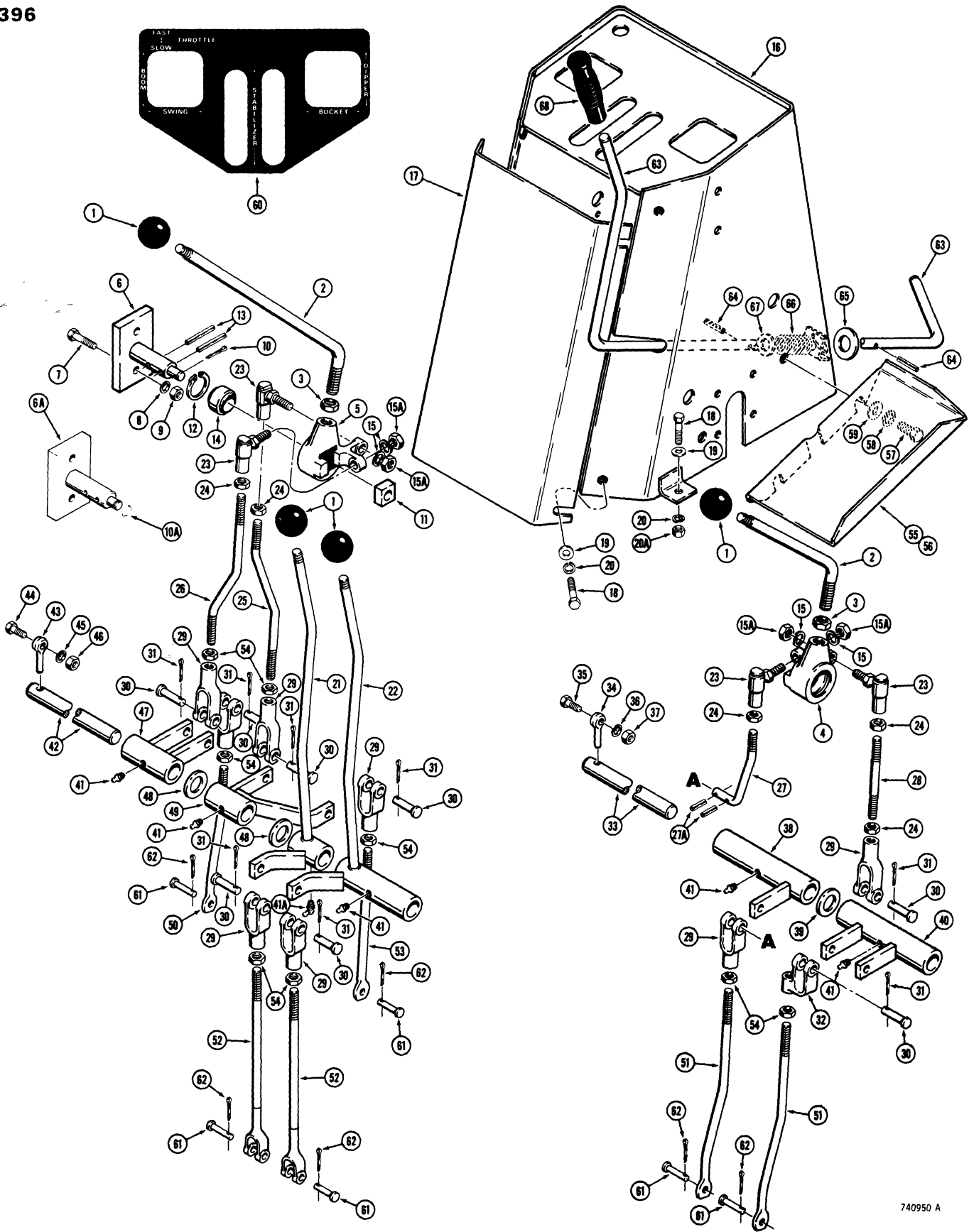


MODEL 680C CONSTRUCTION KING LOADER BACKHOE 395

BACKHOE CONTROLS WITH HAND SWING

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 54563	KNOB - control levers	4
2	L 58185	LEVER - backhoe control	2
3	25- 1510	NUT - hex., jam 5/8"	2
4	D 38303	BELLCRANK - dual lever control, R.H.	1
5	D 38302	BELLCRANK - dual lever control, L.H.	1
6	D 38299	PIVOT - dual lever control, uses cotter pin - item 10	2
6A	L 78119	PIVOT - dual lever control, uses retaining ring - item 10A	2
7	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	4
8	92- 6	WASHER - lock, 3/8"	4
9	25- 106	NUT - hex., 3/8" - 16 NC	4
10	132- 25	PIN - cotter, 3/32" x 5/8", used with item 6 only	2
10A	A 11538	RING - retaining, used with item 6A only	2
11	D 38305	BLOCK - wear, bellcrank	2
12	D 38298	RING - retaining	2
13	138- 96	PIN - roll, 3/16" x 1"	4
14	D 38297	BUSHING - self-aligning	2
15	92- 6	WASHER - lock, 3/8"	4
15A	25- 156	NUT - hex, lock, 3/8"	4
16	L 58163	CONSOLE - backhoe control	1
17	L 55451	COVER - backhoe console	1
18	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	6
19	95- 6	WASHER - flat, 3/8"	6
20	92- 6	WASHER - lock, 3/8"	6
20A	25- 106	NUT - hex., 3/8" - 16 NC	2
21	L 58125	LEVER - stabilizer, L.H.	1
22	L 58126	LEVER - stabilizer, R.H.	1
23	D 38296	BALL JOINT - dual lever control	4
24	25- 156	NUT - lock, 3/8"	5
25	L 58113	ROD - boom control	1
26	L 58110	ROD - swing control, upper	1
27	L 58116	ROD - bucket control, upper	1
27A	138- 53	PIN - roll, 1/8" dia. x 1/2", rod retaining	2
28	L 58108	ROD - dipper control, upper	1
29	213- 4	YOKE - clevis, 3/8"	8
30	141- 4	PIN - clevis	8
31	132- 26	PIN - cotter, 3/32" dia. x 3/4"	8
32	L 11182	YOKE - clevis, offset	1
33	L 55445	SHAFT - pivot, control	1
34	L 55570	RETAINER - pivot shaft	1
35	13- 516	HHCS - 5/16" - 18 NC x 1"	1
36	92- 5	WASHER - lock, 5/16"	1
37	25- 105	NUT - hex., 5/16" - 18 NC	1
38	L 58115	BELLCRANK - bucket control	1
39	195- 2091	WASHER - spacer, 7/8"	UAR
40	L 58114	BELLCRANK - dipper control	1

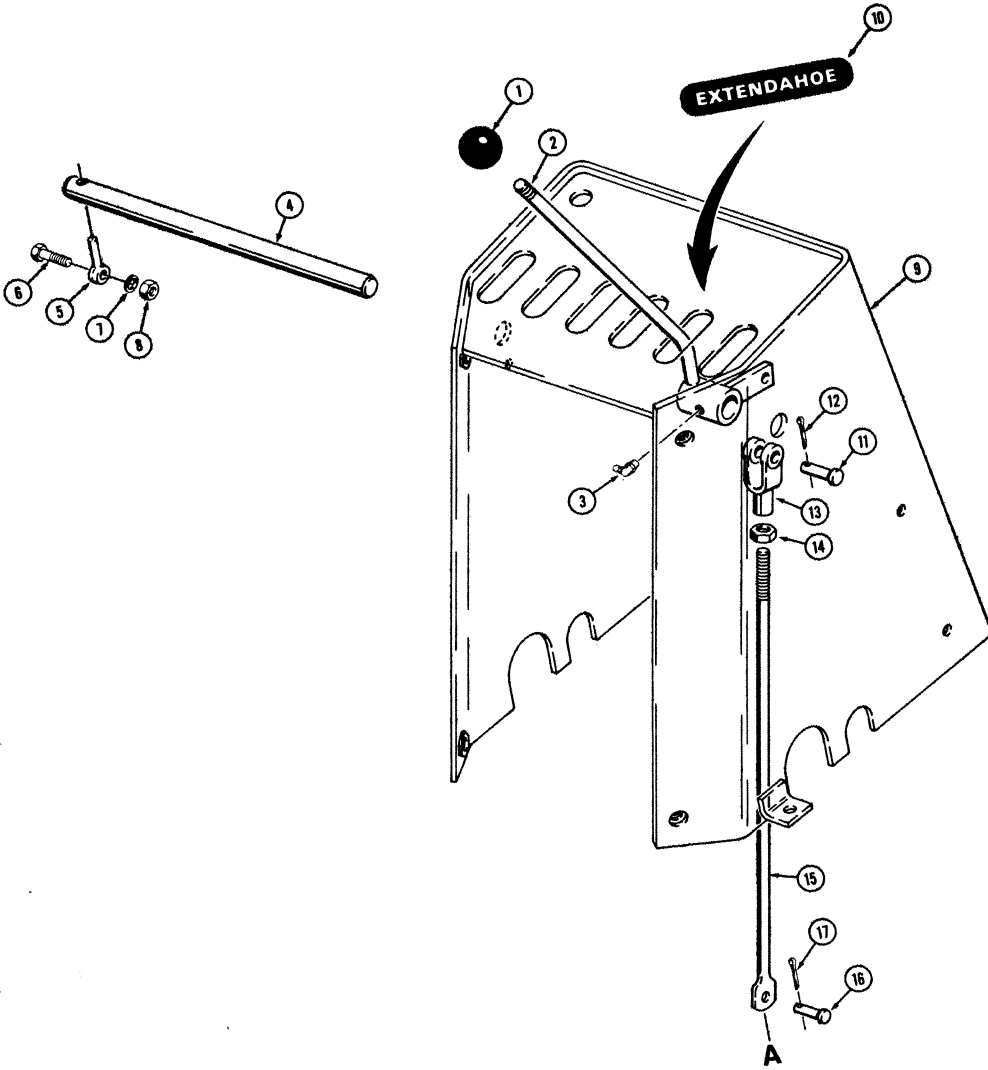
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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 397

BACKHOE CONTROLS WITH HAND SWING

REF.	PART NO.	DESCRIPTION	REQ'D.
41	219- 86	FITTING - grease, 1/8" NPT, self-tapping	5
41A	219- 92	FITTING - grease, 90°	1
42	L 55445	SHAFT - control	1
43	L 55570	RETAINER - control shaft	1
44	13- 520	HHCS - 5/16" - 18 NC x 1-1/4"	1
45	92- 5	WASHER - lock, 5/16"	1
46	25- 105	NUT - hex., 5/16" - 18 NC	1
47	L 58120	BELLCRANK - swing control	1
48	195- 2091	WASHER - spacer, 7/8"	UAR
49	L 58124	BELLCRANK - boom control	1
50	L 58117	ROD - swing	1
51	L 58111	ROD - bucket and dipper control	2
52	L 58187	ROD - stabilizer control	2
53	L 58112	ROD - boom control	1
54	25- 156	NUT - hex., lock, 3/8" - 16 NC	8
55	L 58128	FOOT REST - R.H.	1
56	L 58127	FOOT REST - L.H.	1
57	13- 812	HHCS - 1/2" - 13 NC x 3/4"	4
58	92- 8	WASHER - lock, 1/2"	4
59	195- 2051	WASHER - flat, 1/2"	4
60	321- 2746	DECAL - dual lever control	1
61	214- 3	PIN - clevis, 5/16"	6
62	132- 26	PIN - cotter, 3/32" x 3/4"	6
63	L 59332	LEVER - boom lock release	1
64	138- 135	PIN - roll	2
65	D 53273	WASHER - special hardened	1
66	F 41514	SPRING - boom lock	1
67	95- 10	WASHER - flat, 5/8"	1
68	L 52477	GRIP - handle, boom lock release	1

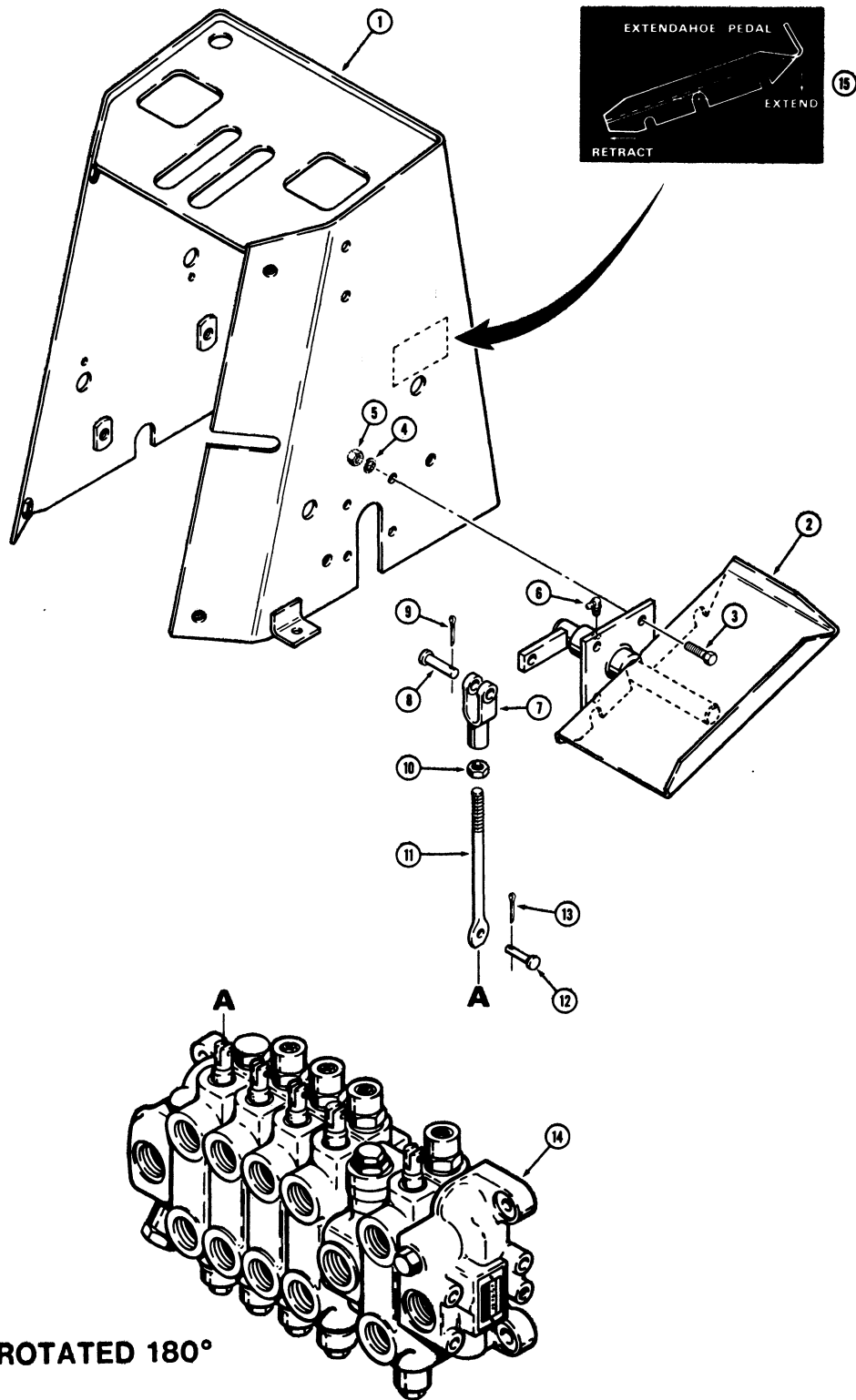


VALVE ROTATED 180°

MODEL 680E CONSTRUCTION KING LOADER BACKHOE 399

EXTENDABLE DIPPER CONTROL WITH FOOT SWING MODELS

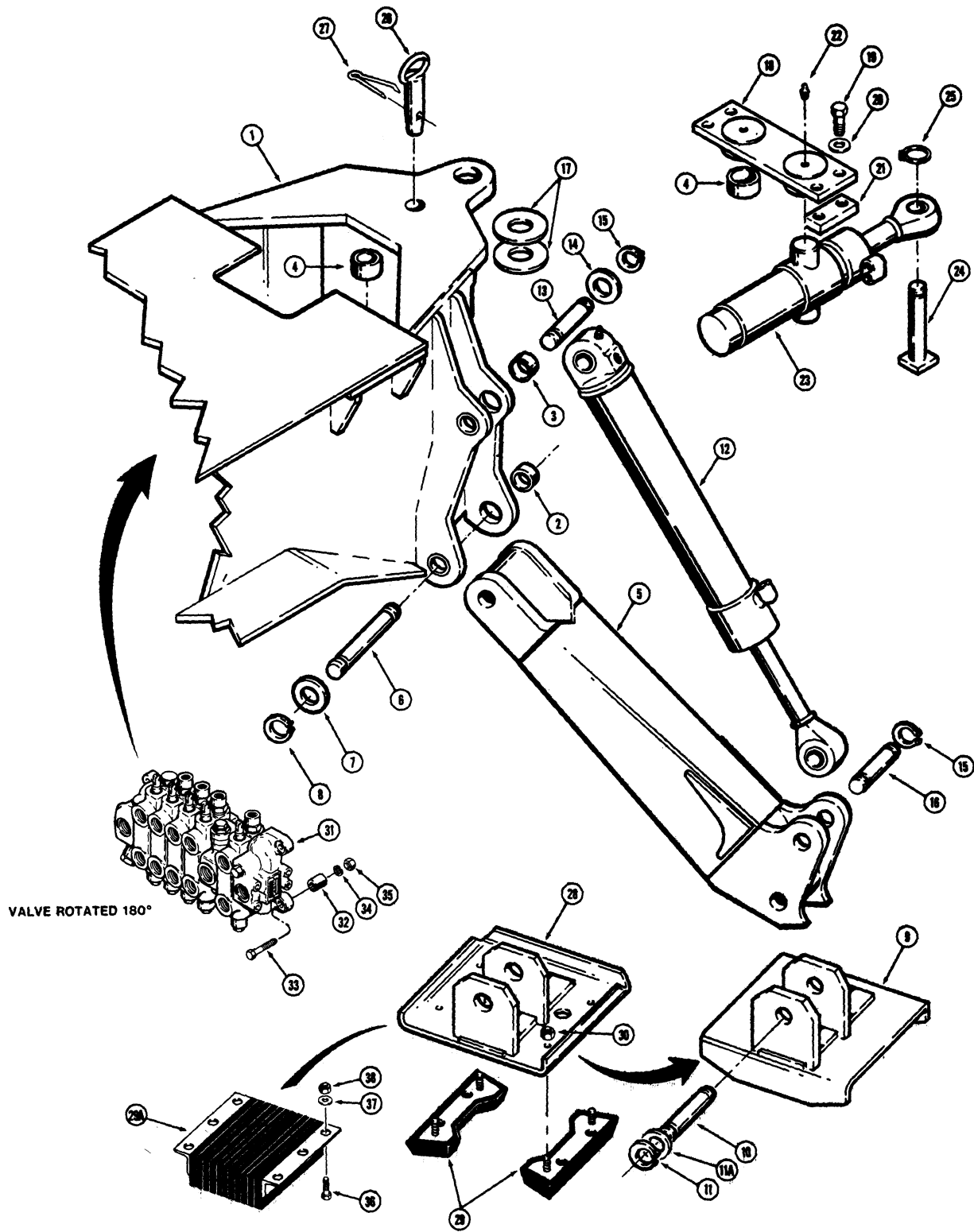
REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 54563	KNOB - control lever	1
2	L 59708	LEVER - control, extendahoe	1
3	219- 92	FITTING - grease, 90°, 1/8" NPT	1
4	L 55445	SHAFT - control lever	1
5	L 55570	ROD EYE - shaft retaining	1
6	13- 520	HHCS - 5/16" - 18 NC x 1-1/4"	1
7	92- 5	WASHER - lock, 5/16"	1
8	25- 105	NUT - hex., 5/16" - 18 NC	1
9	REF.	CONSOLE - backhoe control, see page 391	1
10	321- 2724	DECAL - extendahoe control	1
11	141- 4	PIN - clevis, 3/8"	1
12	132- 26	PIN - cotter, 3/32" x 3/4"	1
13	213- 4	CLEVIS - rod end, 3/8"	1
14	25- 156	NUT - hex., lock, 3/8" - 24 NF	1
15	L 55436	ROD - control, lever to valve	1
16	141- 3	PIN - clevis, 5/16"	1
17	132- 26	PIN - cotter, 3/32" x 3/4"	1
18	REF.	VALVE - backhoe and extendahoe control, see page 315	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 401

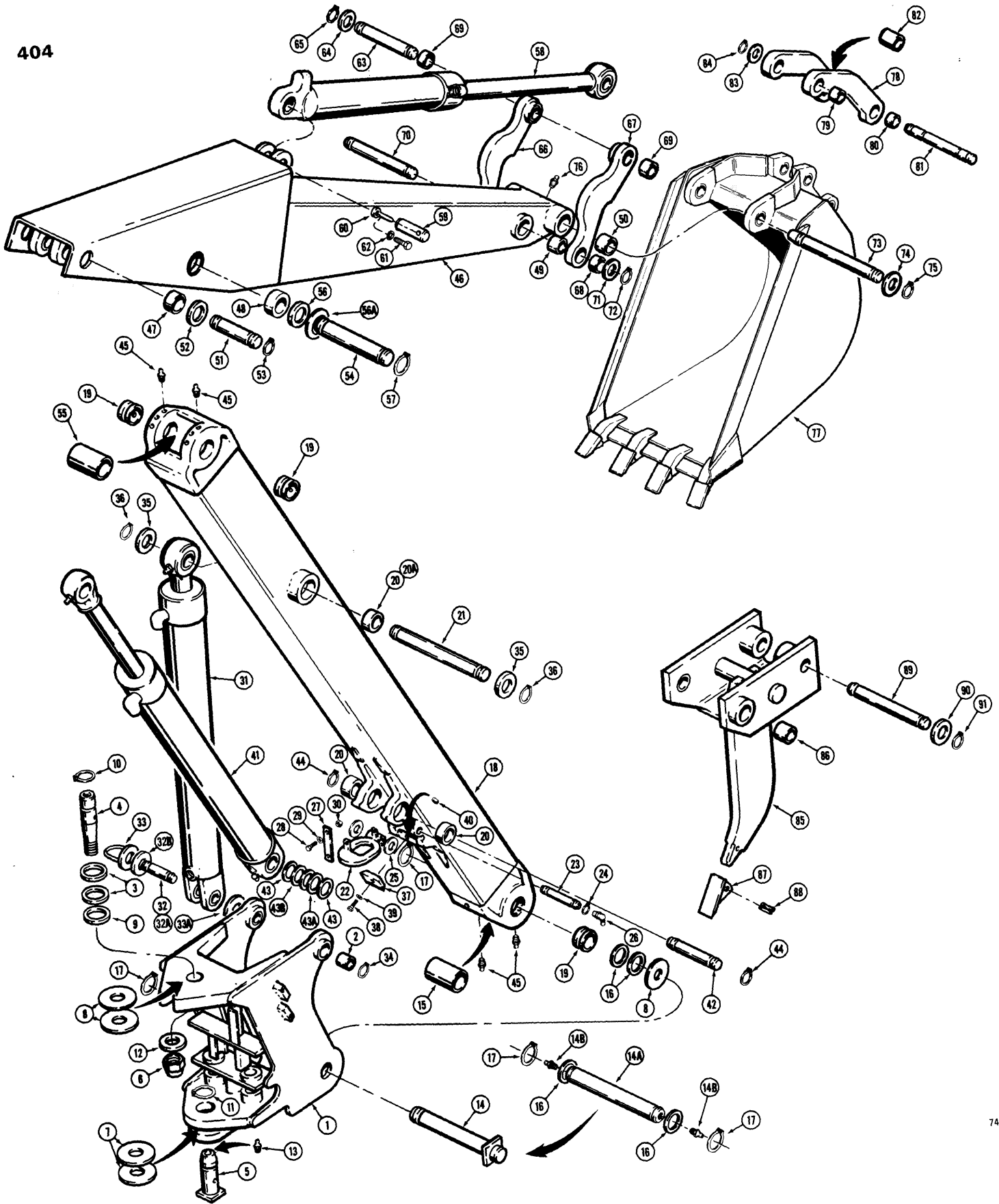
EXTENDABLE DIPPER CONTROL WITH HAND SWING MODELS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	CONSOLE - backhoe control, see page 395	1
2	L 58121	PEDAL - extendahoe control	1
3	13- 616	HHCS - 3/8" - 16 NC x 1"	4
4	92- 6	WASHER - lock, 3/8"	4
5	25- 106	NUT - hex., 3/8" - 16 NC	4
6	219- 86	FITTING - grease, 1/8" NPT, self-tapping	1
7	213- 4	YOKE - clevis, 3/8"	1
8	141- 4	PIN - clevis, 3/8"	1
9	132- 26	PIN - cotter, 3/32" x 3/4"	1
10	25- 156	NUT - hex., lock, 3/8" - 24 NF	1
11	L 58188	ROD - extendahoe control	1
13	132- 26	PIN - cotter, 3/32" x 3/4"	1
14	REF.	VALVE - backhoe and extendahoe control, see page 315	1
15	321- 2747	DECAL - extendahoe control	1



BACKHOE MONTING FRAME AND STABILIZERS

REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	FRAME ASSEMBLY - tractor and backhoe, see page 423	1
2	D 33024	BUSHING - stabilizer leg to frame	4
3	D 34340	BUSHING - stabilizer cylinder to frame	4
4	D 60159	BUSHING - swing cylinder	2
5	L 51427	LEG - stabilizer, used before tractor sn. 9122407, uses L70871, L58956 or L59831 foot	2
5	L 72990	LEG - stabilizer, used on tractor sn. 9122407 thru 9127845, uses L73675 or L73677 foot	2
5	L 78877	LEG - stabilizer, used on tractor sn. 9127845 and after, uses L73675 or L73677 foot	2
6	D 42911	PIN - stabilizer to chassis	2
7	195- 2155	WASHER - spacer	UAR
8	D 26919	RING - retaining	4
9	L 57696	FOOT - stabilizer, standard, uses D26001 pin, order L70871 foot and L71043 pin for service	2
9	L 70871	FOOT - stabilizer, standard, uses L71043 pin, used with L51427 leg before sn. 9122407	2
9	L 73675	FOOT - stabilizer, standard, uses L71043 pin, used with L72990 leg on sn. 9122407 and after	2
10	D 26001	PIN - stabilizer to pad, 8-1/16" (204 mm) long, if used	2
10	L 71043	PIN - stabilizer to pad, 8-5/16" (211 mm) long, if used	2
11	D 25279	RING - retaining	4
11A	195- 2142	WASHER - spacer	UAR
12	REF.	CYLINDER - stabilizer, see page 349	2
13	D 25079	PIN - stabilizer to chassis	2
14	195- 2152	WASHER - spacer	4
15	D 25280	RING - retaining	8
16	D 25079	PIN - stabilizer cylinder to stabilizer	2
17	L 54129	SHIM - spacer, swing tower and main frame	4
18	L 57106	PLATE - swing, cylinder mounting	1
19	13- 1644	BOLT - 1" - 8 NC x 2-3/4", swing plate to chassis	4
20	D 30196	WASHER - special hardened	4
21	L 54782	BLOCK - bolt retaining	2
22	219- 36	FITTING - grease	2
23	REF.	CYLINDER - swing, see page 351 or 353	2
24	L 58883	PIN - swing cylinder to tower	2
25	D 25280	RING - pin retaining	2
26	L 70598	PIN - swing lock	1
27	L 70149	PIN - retaining	1
28	L 58956	FOOT - cemetery and street, uses R31222 rubber pad, used with L51427 leg before sn. 9122407	2
28	L 59831	FOOT - cemetery and street, uses R31222 or D61368 rubber pad, used with D51427 leg before sn. 9122407	2
28	L 73677	FOOT - cemetery and street, uses D61368 rubber pad, used with L72990 leg on sn. 9122407 and after	2
29	R 31222	PAD - rubber, bolt on, used with L59856 foot	4
29A	D 61368	PAD - rubber, bolt on, used with L59831 or L73677 foot	2
30	D 29712	NUT - hex, self lock, 7/16" - 20 NF, if used	8
31	REF.	VALVE - backhoe control, see page 315	1
32	L 55306	SPACER - backhoe valve mounting	3
33	13- 848	HHCS - 1/2" - 13 NC x 3"	3
34	92- 8	WASHER - lock, 1/2"	3
35	25- 108	NUT - hex, 1/2" - 13 NC	3
36	13- 1028	HHCS - 5/8" - 11 NC x 1-3/4", if used	8
37	95- 10	WASHER - flat, 5/8", if used	16
38	25- 1010	NUT - hex, 5/8" - 11 NC, if used	8

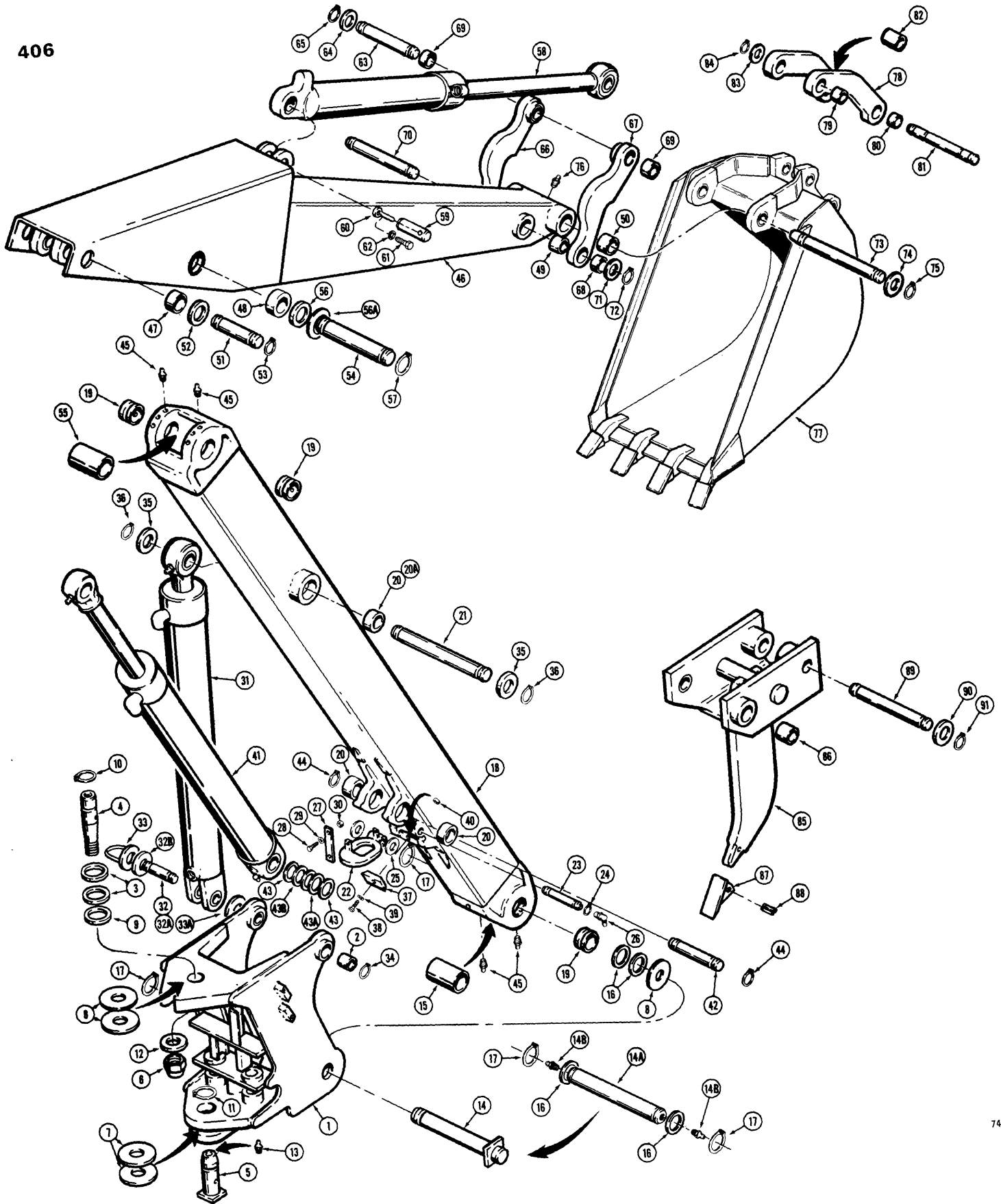


TOWER, BOOM, DIPPER ARM AND BUCKET

REF.	PART NO.	DESCRIPTION	REQ'D
1	58218	TOWER - backhoe swing, used before tractor sn. 9122041	1
1	L 74619	TOWER - backhoe swing, used on tractor sn. 9122041 thru 9125069	1
1	L 79025	TOWER - backhoe, used on tractor sn. 9125069 and after	1
2	D 30929	BUSHING - tower, at boom cylinders	2
2A	L 78951	BUSHING - tower, at boom, if used, not shown	1
3	195- 2167	WASHER - spacer, 2-1/2" (63 mm)	UAR
4	L 78203	PIN - tower mounting, upper	1
5	L 59120	PIN - tower mounting, lower	1
6	25- 1528	NUT - hex, 1-3/4" - 12 NF, thin height, if used	1
6	131- 484	NUT - hex, self lock, 1-3/4" - 12 NF, thin height, can be used to replace plain nut, if used	1
7	L 47461	SHIM - pin mounting, lower pin	UAR
8	L 79228	SHIM - pin mounting, upper pin and boom pin	UAR
9	L 47700	WASHER - special, upper pin	1
10	L 16015	RING - upper pin retaining	1
11	L 59033	RING - lower pin retaining	1
12	L 59117	WASHER - special, hardened, 3/4"	1
13	219- 1	FITTING - grease, straight, 1/8" NPT	1
14	L 74618	PIN - boom to tower, used before tractor sn. 9125069	1
14A	L 79012	PIN - boom to tower, used on tractor sn. 9125069 and after	2
14B	219- 1	FITTING - grease, straight, 1/8" NPT	2
15	L 58656	SPACER - boom	1
16	D 41472	WASHER - flat, used as shim	UAR
17	F 40807	RING - pin retaining	1-2
18	L 72807	BOOM - backhoe, used before tractor sn. 9124704	1
18	L 77902	BOOM - backhoe, used on tractor sn. 9124704 and after	1
19	L 70791	BUSHING - boom ends	4
20	D 30756	BUSHING - at cylinder mounting, 2-1/2" (64 mm) O.D.	2-4
20A	L 77788	BUSHING - at boom cylinder mounting, 3" (76 mm) O.D., if used	2
21	L 54419	PIN - boom cylinder to boom	1
22	L 59196	RING - boom lock	1
23	D 42611	PIN - boom lock	1
24	D 25279	RING - pin retaining	2
25	A 11990	WASHER - special	2
26	219- 55	FITTING - grease, 90°	1
27	L 73300	STRAP - boom lock	1
28	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	2
29	95- 6	WASHER - flat, 3/8"	2
30	131- 6	NUT - hex, self lock, 3/8" - 16 NC	2
31	REF.	CYLINDER - boom, see page 357 or 359	2

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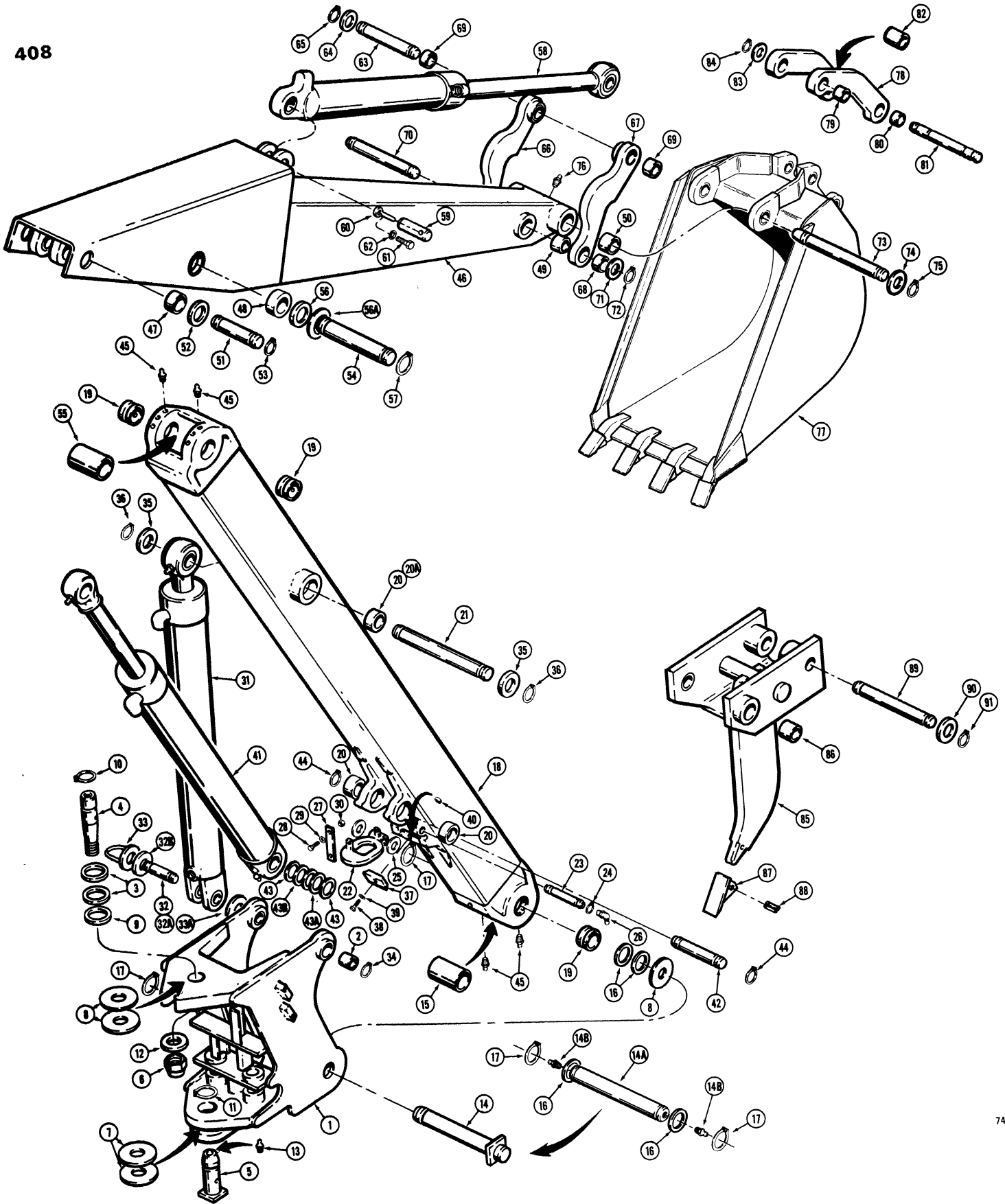
NOTE: For boom and swing tower used on extendahoe models, see pages 410-413.



TOWER, BOOM, DIPPER ARM AND BUCKET

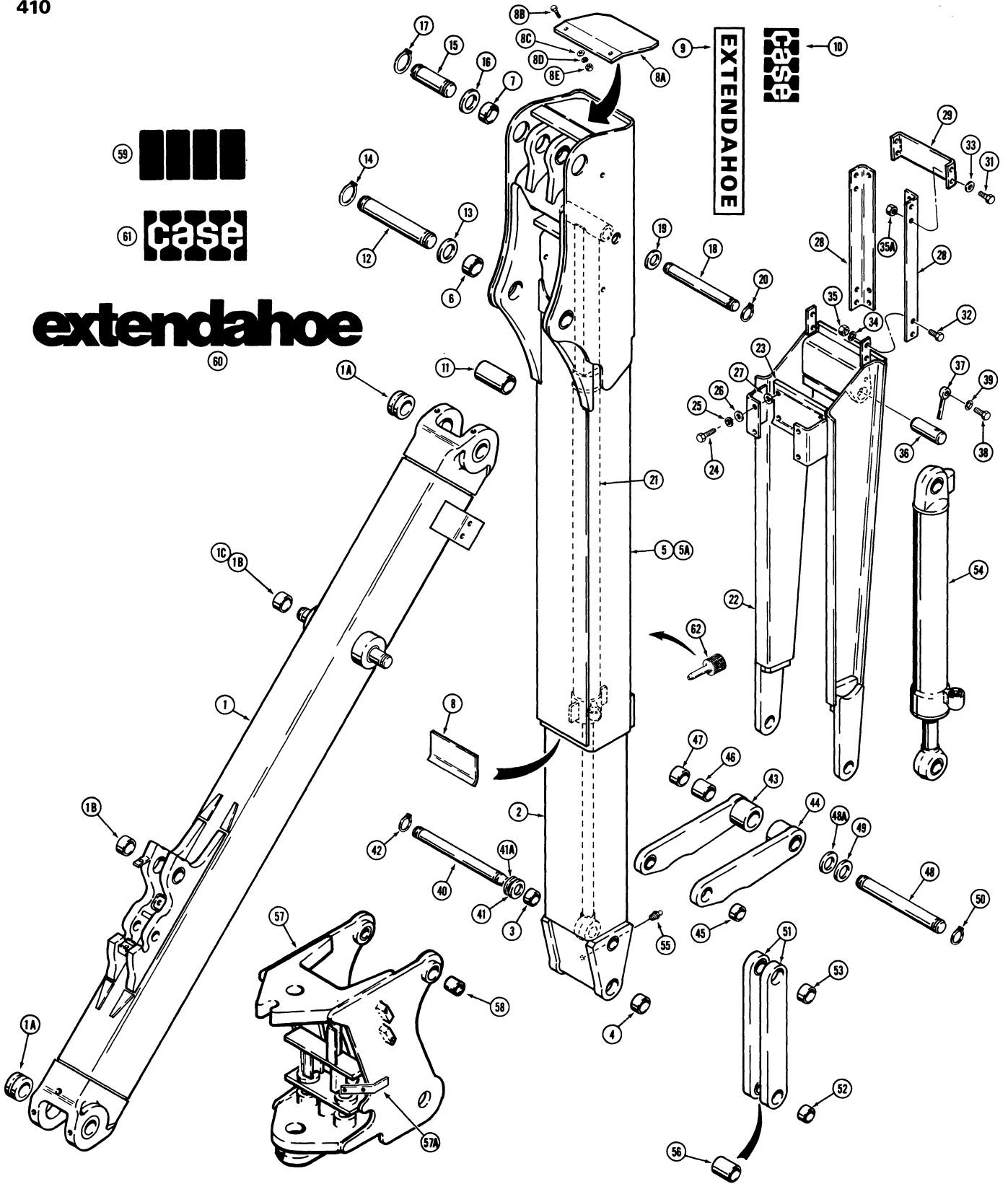
REF.	PART NO.	DESCRIPTION	REQ'D
32	L 58075	PIN - boom cylinder to tower, used before tractor sn. 9124614	2
32A	D 40037	PIN - boom cylinder to tower, used on tractor sn. 9124614 and after	2
32B	95- 24	WASHER - spacer, outer, used with D4037 pin	UAR
32C	219- 1	FITTING - grease, straight, 1/8" NPT, D40037 pin, not shown	2
33	L 58072	GUIDE - hose, boom cylinder, if used	2
33A	L 79009	WASHER - shim, inner	UAR
34	D 25279	RING - pin retaining	4
35	195- 2155	WASHER - pin	2
36	D 26919	RING - retaining	2
37	L 58319	BLOCK - stop, used before sn. 9127880	1
37	L 79185	BLOCK - stop, used on sn. 9127880 and after	1
38	13- 624	HHCS - 3/8" - 16 NC x 1-1/2", stop block mounting, if used	1
38	13- 628	HHCS - 3/8" - 16 NC x 1-3/4", if used	1
39	95- 6	WASHER - flat, 3/8"	1
40	131- 94	NUT - hex, lock, 3/8" - 16 NC	1
41	REF.	CYLINDER - hydraulic, dipper, see page 361 or 363	1
42	L 54437	PIN - dipper cylinder to boom	1
43	L 11917	SPACER - dipper cylinder to boom, .07" (1.78 mm) thick	2
43A	L 47422	SPACER - dipper cylinder to boom, .25" (6.35 mm) thick	2
43B	L 47424	SPACER - dipper cylinder to boom, .18" (4.76 mm) thick	2
44	D 26919	RING - dipper cylinder pin retaining	2
45	219- 1	FITTING - grease, straight, 1/8" NPT	4
46	L 55909	DIPPER - backhoe	1
47	D 33024	BUSHING - dipper cylinder mounting	2
48	L 55734	BUSHING - dipper pivot	2
49	D 30933	BUSHING - dipper at bucket link	2
50	D 37443	BUSHING - dipper at bucket	2
51	L 73598	PIN - dipper cylinder to dipper	1
52	195- 2155	WASHER - dipper cylinder pin	2
53	D 26919	RING - pin retaining	2
54	L 54388	PIN - dipper to boom	1
55	L 58656	SPACER - boom end casting	1
56	D 41472	WASHER - flat, 3" (76 mm) O.D.	UAR
56A	L 79228	WASHER - flat, 6" (152 mm) O.D.	UAR
57	F 40807	RING - pin retaining	2
58	REF.	CYLINDER - hydraulic, bucket, see page 365 or 367	1
59	L 57029	PIN - bucket cylinder to dipper	1
60	R 17756	PIN - retaining	1
61	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	1
62	92- 8	WASHER - lock, 1/2"	1

Continued on next page



TOWER, BOOM, DIPPER ARM AND BUCKET

REF.	PART NO.	DESCRIPTION	REQ'D
63	D 37611	PIN - bucket cylinder to bucket link	1
64	195- 2152	WASHER - bucket cylinder pin	UAR
65	D 25280	RING - pin retaining	2
66	L 55934	LINK - bucket guide, L.H.	1
67	L 55933	LINK - bucket guide, R.H.	1
68	D 31140	BUSHING - link, for 1-1/2" (38 mm) pin dia.	1
69	L 58710	BUSHING - link, for 1-3/4" (44 mm) pin dia.	1
70	D 53812	PIN - guide link to dipper	1
71	L 79009	WASHER - flat, 1-1/2" (38 mm) I.D.	UAR
72	D 25279	RING - pin retaining	2
73	L 79166	PIN - bucket to dipper	1
74	195- 2152	WASHER - flat, 1-13/16" (46 mm) I.D.	UAR
75	D 25280	RING - pin retaining	2
76	219- 1	FITTING - grease	1
77	REF.	BUCKET - backhoe, see pages 415 thru 421 for proper bucket	1
78	L 55936	LINK - backhoe	2
79	D 37392	BUSHING - link, for 1-3/4" (44 mm) pin dia.	1
80	D 30933	BUSHING - link, for 1-1/2" (38 mm) pin dia.	1
81	L 78991	PIN - link to bucket	1
82	D 37450	SPACER - link to bucket	1
83	L 79009	WASHER - flat, L41109 pin	2
84	D 25279	RING - pin retaining	2
85	D 54136	FROST POINT - backhoe	1
86	D 37495	BUSHING - frost point	2
87	D 43416	POINT - tooth	1
88	D 43417	FLEX PIN - point	1
89	D 54218	PIN - bucket link to front point	1
90	195- 63	WASHER - used with D54218 pin only	2
91	D 25279	RING - pin retaining	2



EXTENDABLE DIPPER AND RELATED PARTS

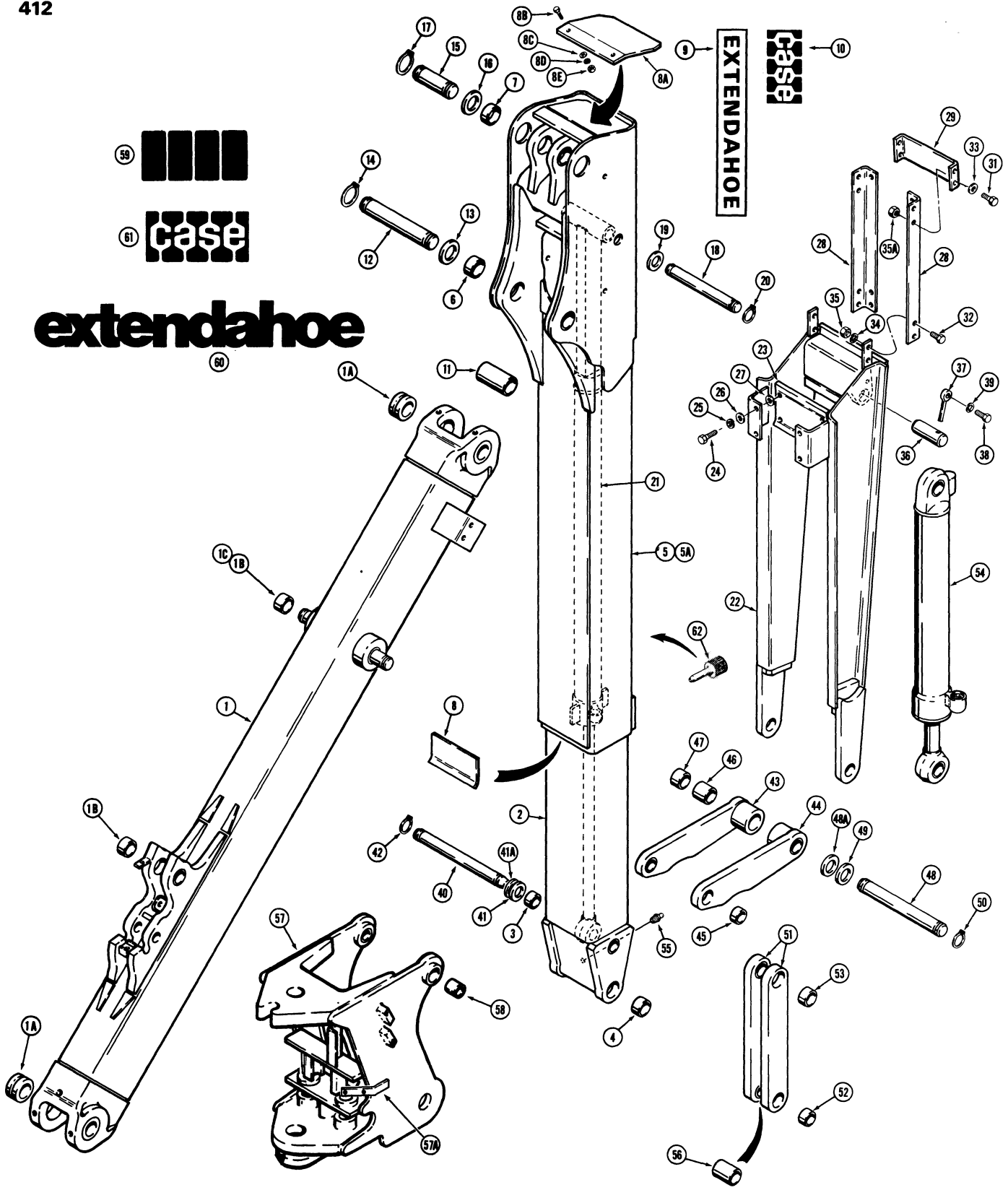
REF.	PART NO.	DESCRIPTION	REQ'D
1	L 72808	BOOM - backhoe, extendahoe, used before tractor sn. 9124704	1
1	L 77934	BOOM - backhoe, extendahoe, used on tractor sn. 9124704 thru 9125069	1
1	L 79142	BOOM - extendahoe, used on tractor sn. 9124704 and after	1
1A	L 70791	BUSHING - boom to tower and dipper	4
1B	D 30756	BUSHING - at cylinder mounting, 2-1/2" (64 mm) O.D.	2-4
1C	L 77788	BUSHING - at boom cylinder mounting, 3" (76 mm) O.D., if used	2
2	L 54358	EXTENSION - dipper arm, inner	1
3	D 31140	BUSHING - at bucket link	2
4	D 37495	BUSHING - at bucket	2
5	L 55647	ARM - dipper, models without end cover	1
5A	L 79318	ARM- dipper, models with end cover, see item 62	1
6	L 55734	BUSHING - at boom pivot	2
7	D 33024	BUSHING - at dipper pivot	2
8	L 57012	PLATE - wear	1
8A	L 78390	COVER - end, if used	1
8B	13- 824	HHCS - 1/2" - 13 NC x 1-1/2"	2
8C	95- 8	WASHER - flat, 1/2"	2
8D	92- 8	WASHER - lock, 1/2"	2
8E	25- 108	NUT - hex self lock, 1/2"	2
9	321- 2058	DECAL - "EXTENDAHOE"	2
10	321- 1572	DECAL - "CASE", 4" (102 mm) high	2
11	L 58656	SPACER - dipper to boom	1
12	L 54388	PIN - dipper to boom	1
13	D 41472	WASHER - flat, 2-1/4"	2
14	F 40807	RING - pin retaining	2
15	L 73598	PIN - dipper cylinder to dipper	1
16	195- 2155	WASHER - flat, 2-1/16"	2
17	D 26919	RING - pin retaining	2
18	L 54407	PIN - extension cylinder to dipper	1
19	L 79009	WASHER - flat, 1-1/2"	2
20	D 25279	RING - pin retaining	2
21	REF.	CYLINDER - dipper extension, see page 369 or 371	1
22	L 76923	GUIDE - bucket cylinder, used before sn. 9127939	1
22	L 100120	GUIDE - bucket cylinder, used on sn. 9127939 and after	1
23	L 54741	PLATE - wear, used before sn. 9127939	1
23	L 100121	PLATE - wear, used on sn. 9127939 and after	1
24	26- 620	HHCS - 3/8" - 16 NC x 1-1/4", grade 8, used with L76923 guide	4
24	26- 820	HHCS - 1/2" - 13 NC x 1-1/4", grade 8, used with L100120 guide	4
25	92- 6	WASHER - lock, 3/8", if used	4
25	92- 8	WASHER - lock, 1/2", if used	4
26	D 52275	WASHER - flat, 3/8", hardened, if used	UAR
26	R 24323	WASHER - flat, 1/2" hardened, if used	UAR
27	D 41740	SPACER - L54741 wear plate	UAR
27	D 64050	SPACER - L100121 wear plate	UAR
28	L 78977	ANGLE - bucket cylinder hose support	2
29	L 78976	BRACKET - hose support, replaces straight bar on some models	1
30		RESERVED	

Continued on next page

extendahoe

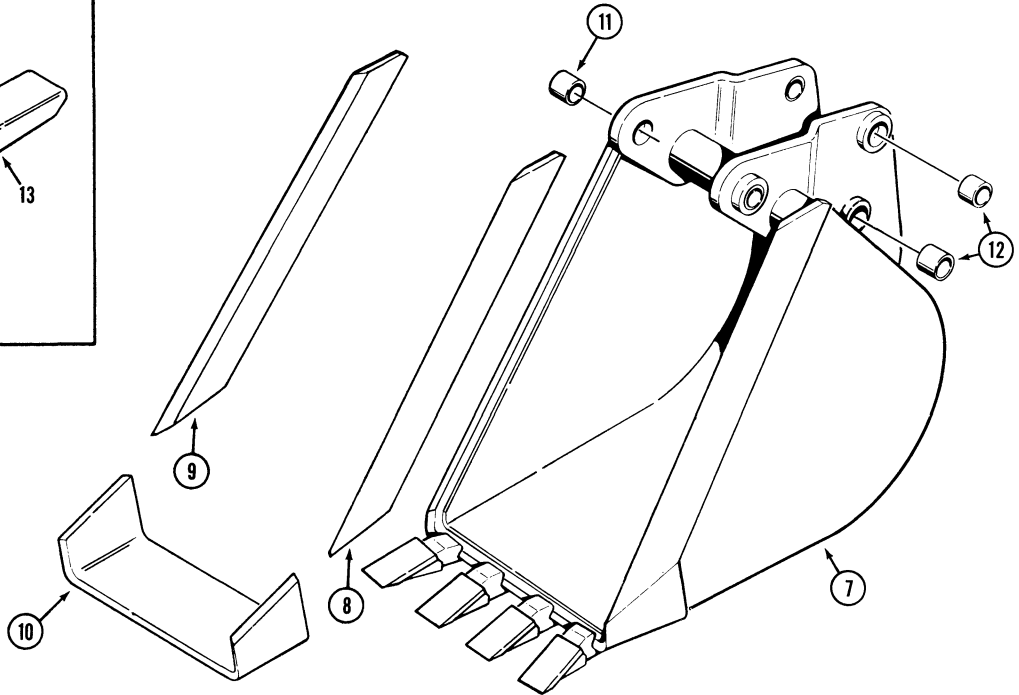
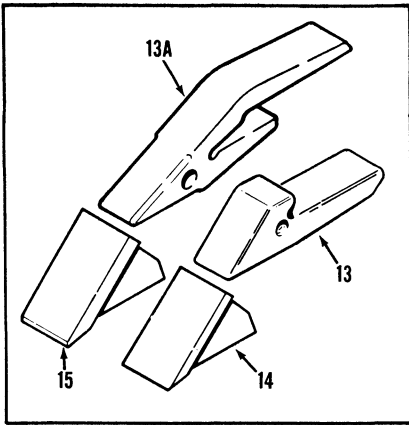
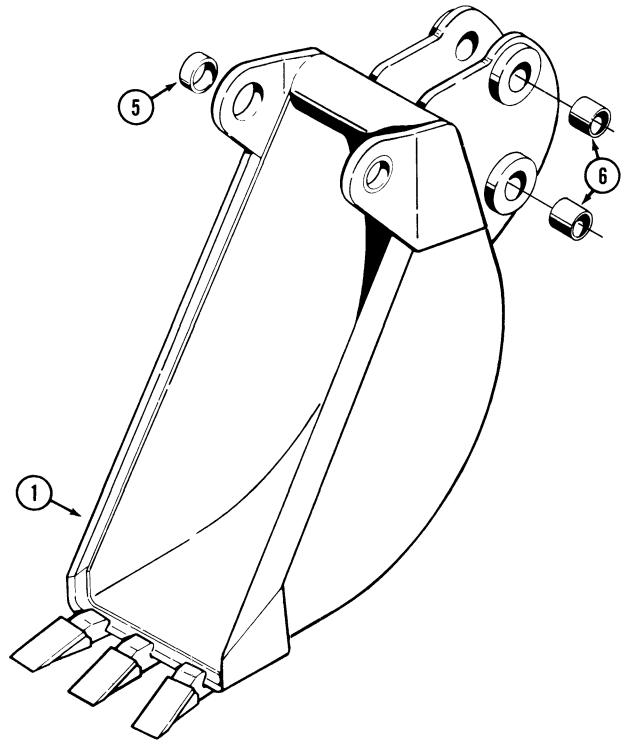
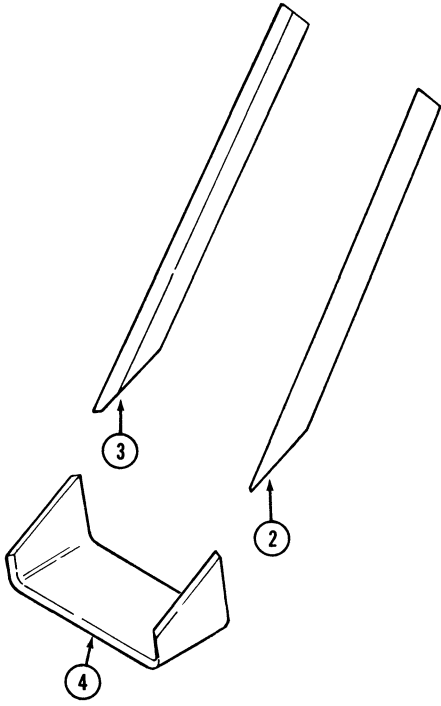


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EXTENDABLE DIPPER AND RELATED PARTS

REF.	PART NO.	DESCRIPTION	REQ'D
31	13- 616	HHCS - 3/8" - 16 NC x 1"	2
32	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	4
33	95- 6	WASHER - flat, 3/8"	2
34	92- 6	WASHER - lock, 3/8"	4
35	25- 106	NUT - hex, 3/8" - 16 NC	4
35A	131- 652	NUT - hex, self lock, 3/8" - 16 NC	2
36	L 57029	PIN - bucket cylinder to bucket cylinder guide	1
37	R 17756	LOCK - pin retaining	1
38	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	1
39	92- 8	WASHER - lock, 1/2"	1
40	L 58783	PIN - dipper extension cylinder and bucket cylinder guide to dipper extension	1
41	L 55703	WASHER - special	2
41A	L 79009	WASHER - shim, hardened	UAR
42	T 37909	RING - pin retaining	2
43	L 57903	LINK ASSEMBLY - guide, L.H.	1
44	L 57904	LINK ASSEMBLY - guide, R.H.	1
45	D 31140	BUSHING - guide link, at bar end	1
46	D 40089	BUSHING - guide link, at boss, long	1
47	D 34354	BUSHING - guide link, at boss, short	1
48	L 74047	PIN - guide and dump link to bucket cylinder at rod end	1
48A	195- 2152	WASHER - flat, shim	UAR
49	L 50511	WASHER - special, 1-3/4"	2
50	D 25280	RING - pin retaining	2
51	L 55835	LINK ASSEMBLY - dump	2
52	D 30933	BUSHING - link, 1-1/2" (38 mm) I.D.	1
53	D 37392	BUSHING - link, 1-3/4" (44 mm) I.D.	1
54	REF.	CYLINDER - hydraulic, bucket, parts list page 365 or 367	1
55	219- 1	FITTING - grease, straight, 1/8" NPT	1
56	L 55723	SPACER - dump links	1
57	L 74720	TOWER - backhoe swing, used before sn. 9125069 for mounting and related parts, see page 405	1
57	L 79025	TOWER - backhoe, used on tractor sn. 9125069 and after, for mounting and related parts, see page 405	1
57A	L 59101	BRACKET - hose clamp, part of L74720 tower only	1
58	D 30929	BUSHING - tower, at boom cylinders	2
59	321- 3120	DECAL - tread	2
60	321- 3139	DECAL - extendahoe	2
61	321- 2427	DECAL - "CASE"	2
61	219- 107	FITTING - grease, special, use for lubrication of dipper arm (store in tool box)	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 415

BACKHOE BUCKETS

REF.	PART NO.	DESCRIPTION	REQ'D.
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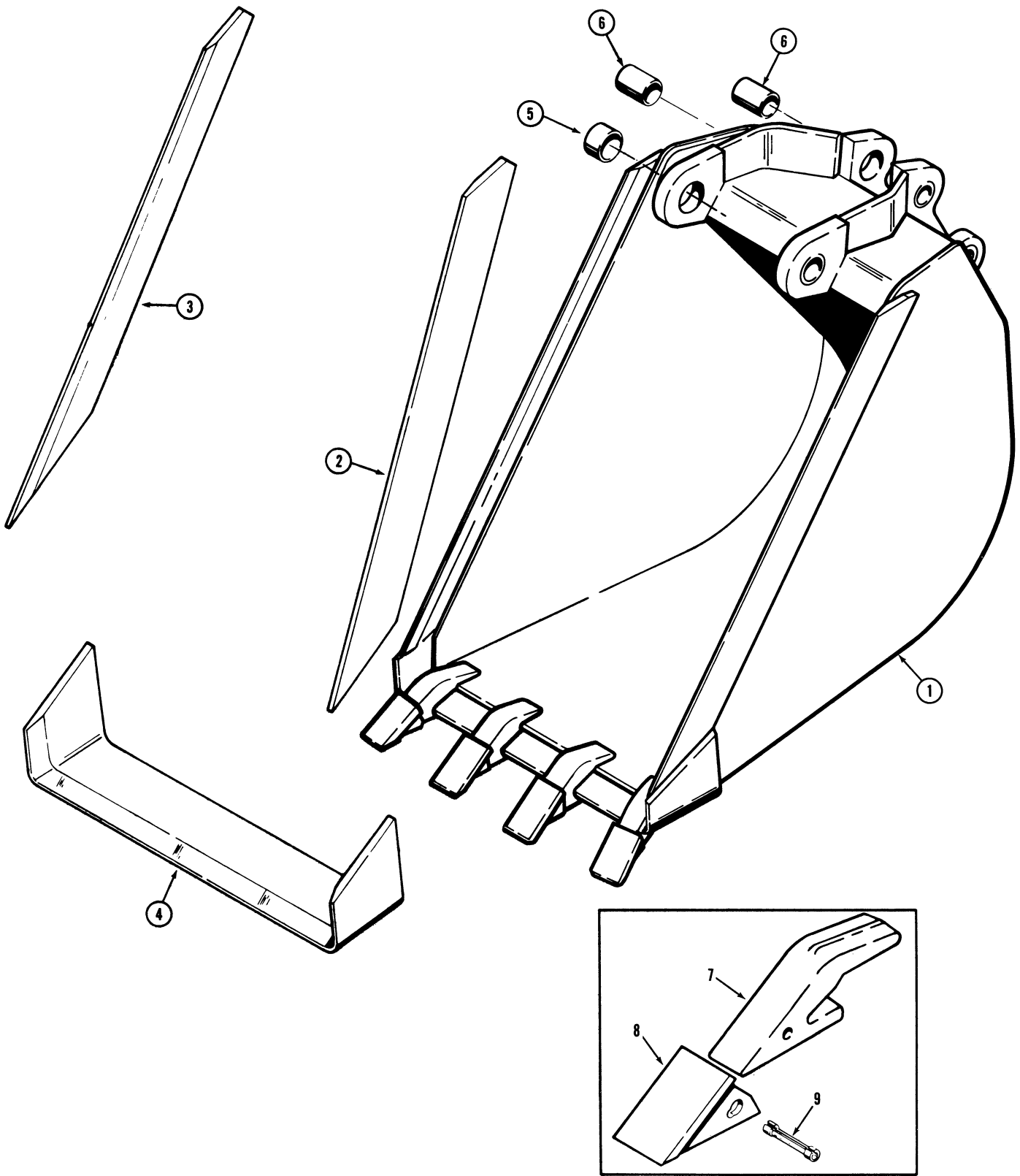
TRENCHING BUCKETS

1	D	52642	BUCKET - 12 inch (305 mm) Machinery item, see page 2 for ordering, not used with extendahoe1	
2	D	29424	BLADE - cutting, R.H. side1	
3	D	29423	BLADE - cutting, L.H. side1	
4	D	37464	BLADE - cutting, center1	
5	D	40243	BUSHING - bucket, at dipper arm2	
6	D	30933	BUSHING - bucket, bucket link pin hole4	
7	D	37473	BUCKET - 18 inch (457 mm) Machinery item, see page 2 for ordering1	
8	D	21606	BLADE - cutting, R.H. side1	
9	D	21605	BLADE - cutting, L.H. side1	
10	D	37642	BLADE - cutting, center1	
11	D	37495	BUSHING - bucket, at dipper arm2	
12	D	30933	BUSHING - bucket, upper and lower bucket link pin hole4	

BUCKET TEETH

13	D	26368	SHANK - tooth, original equipment UAR	
13A	D	58499	SHANK - tooth, service option UAR	
14	D	58576	POINT - tooth, H and L manufactured, 4-7/8" (124 mm) long . UAR	
14	D	58577	POINT - tooth, Fabco manufactured, 4-3/4" (121 mm) long . UAR	
15	D	58592	POINT - tooth, H and L manufactured, Heavy duty service option, 4-7/8" (124 mm) long UAR	
	D	58593	POINT - tooth, Fabco manufacturing, heavy duty service option, 4-7/8" (124 mm) long UAR	

NOTE: Additional buckets are listed on pages 417 thru 421.



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 417

BACKHOE BUCKETS

REF.	PART NO.	DESCRIPTION	REQ'D.
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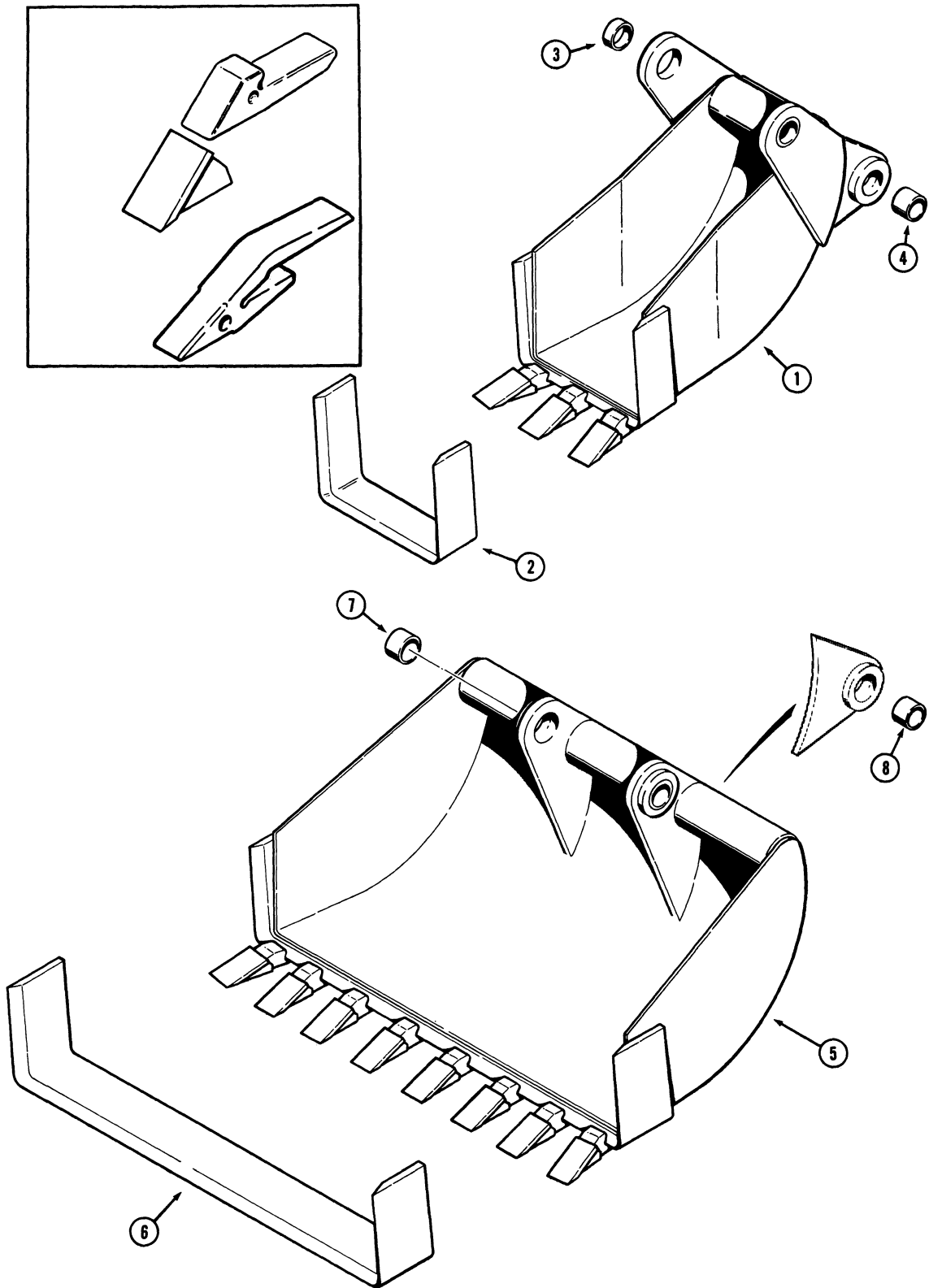
TRENCHING BUCKETS

1	L	51104	BUCKET - 24 inch (610 mm) high capacity, machinery item, see page 2 for ordering	1
1	L	59873	BUCKET - 24 inch (610 mm) high capacity, machinery item, see page 2 for ordering	1
2	D	41675	BLADE - cutting, R.H. side of L51104 bucket	1
2	L	70084	BLADE - cutting, R.H. side of L59873 bucket	1
3	D	41674	BLADE - cutting, L.H. side of L51104 bucket	1
3	L	70083	BLADE - cutting, L.H. side of L59873 bucket	1
4	D	41673	BLADE - cutting, center	1
5	D	37495	BUSHING - bucket, at dipper arm	2
6	D	30933	BUSHING - bucket, bucket link pin hole	4
1	L	53132	BUCKET - 30 inch (762 mm) high capacity, machinery item, see page 2 for ordering	1
1	L	59585	BUCKET - 30 inch (762 mm) high capacity, machinery item, see page 2 for ordering	1
2	D	41675	BLADE - cutting, R.H. side of L53132 bucket	1
2	L	70084	BLADE - cutting, R.H. side of L59585 bucket	1
3	D	41674	BLADE - cutting, L.H. side of L53132 bucket	1
3	L	70083	BLADE - cutting, L.H. side of L59585 bucket	1
4	D	41870	BLADE - cutting, center	1
5	D	37495	BUSHING - bucket, at dipper arm	2
6	D	30933	BUSHING - bucket, bucket link pin hole	4
1	L	55629	BUCKET - 36 inch (914 mm) high capacity, machinery item, see page 2 for ordering	1
1	L	59893	BUCKET - 36 inch (914 mm) high capacity, machinery item, see page 2 for ordering	1
2	D	41675	BLADE - cutting, R.H. side of L55629 bucket	1
2	L	70084	BLADE - cutting, R.H. side of L59893 bucket	1
3	D	41674	BLADE - cutting, L.H. side of L55629 bucket	1
3	L	70083	BLADE - cutting, L.H. side of L59893 bucket	1
4	L	43412	BLADE - cutting, center	1
5	D	37495	BUSHING - bucket, at dipper arm	2
6	D	30933	BUSHING - bucket, bucket link pin hole	4

BUCKET TEETH — INCLUDED WITH BUCKET

	L	43266	TOOTH ASSEMBLY - includes items 7, 8 and 9	UAR
7		NSS	SHANK - tooth	1
8	D	39093	POINT - tooth	1
8A	D	51750	POINT - tooth, heavy duty service option, not shown	1
9	D	39094	FLEX PIN - point	1

NOTE: Additional buckets are listed on pages 415, 419 and 421.



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 419

BACKHOE BUCKETS

REF.	PART NO.	DESCRIPTION	REQ'D.
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BELLHOLE BUCKETS

1	D	41547	BUCKET - 12 inch (305 mm) Machinery item, see page 2 for ordering, not used with extendahoe	1
2	D	37490	BLADE - cutting	1
3	D	40243	BUSHING - bucket, at dipper arm	2
4	D	30933	BUSHING - bucket, bucket link pin hole	2
1	D	41548	BUCKET - 16 inch (406 mm) Machinery item, see page 2 for ordering	1
2	D	37518	BLADE - cutting	1
3	D	37495	BUSHING - bucket, at dipper arm	2
4	D	30933	BUSHING - bucket, bucket link pin hole	2
1	D	41549	BUCKET - 30 inch (762 mm) Machinery item, see page 2 for ordering	1
2	D	37515	BLADE - cutting	1
3	D	37495	BUSHING - bucket, at dipper arm	2
4	D	30933	BUSHING - bucket, bucket link pin hole	2

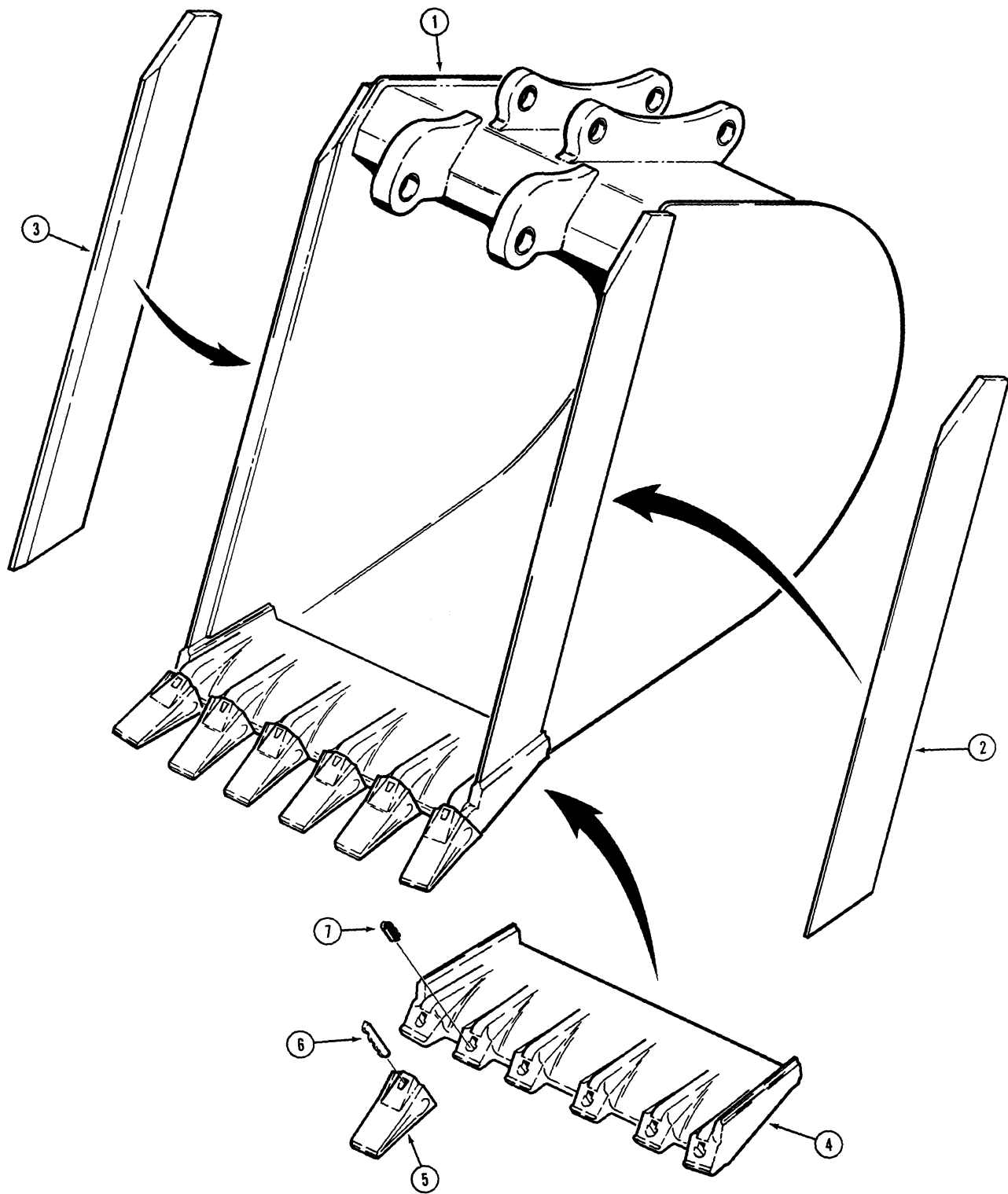
COMBINATION BELLHOLE AND GRAVEYARD BUCKET

5	D	41550	BUCKET - 36 inch (914 mm) Machinery item, see page 2 for ordering	1
6	D	37516	BLADE - cutting	1
7	D	37495	BUSHING - bucket, at dipper arm	2
8	D	30933	BUSHING - bucket, bucket link pin hole	2

BUCKET TEETH

9	D	58499	SHANK - tooth, service option	UAR
9A	D	26368	SHANK - tooth, original equipment	UAR
10	D	58576	POINT - tooth, H and L manufactured, 4-7/8" (124 mm) long	UAR
10	D	58577	POINT - tooth, Fabco manufactured, 4-3/4" (121 mm) long .	UAR
11	D	58592	POINT - tooth, H and L manufactured, heavy duty service option.....	UAR
11	D	58593	POINT - tooth, Fabco manufactured, heavy duty service option	UAR

NOTE: Additional buckets are listed on pages 415, 417 and 421.



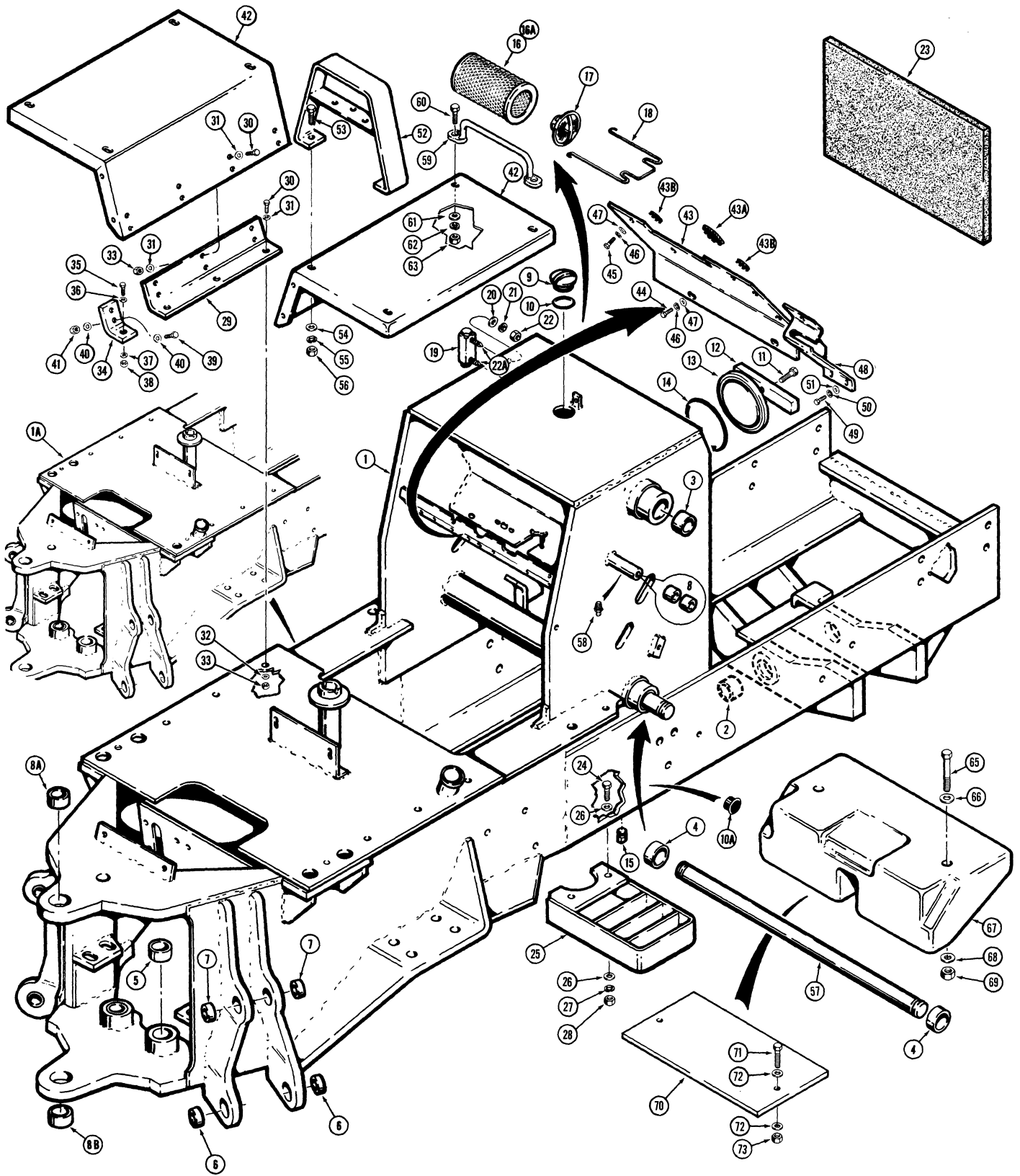
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 421

BACKHOE BUCKETS

REF.	PART NO.	DESCRIPTION	REQ'D.
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TRENCHING BUCKETS

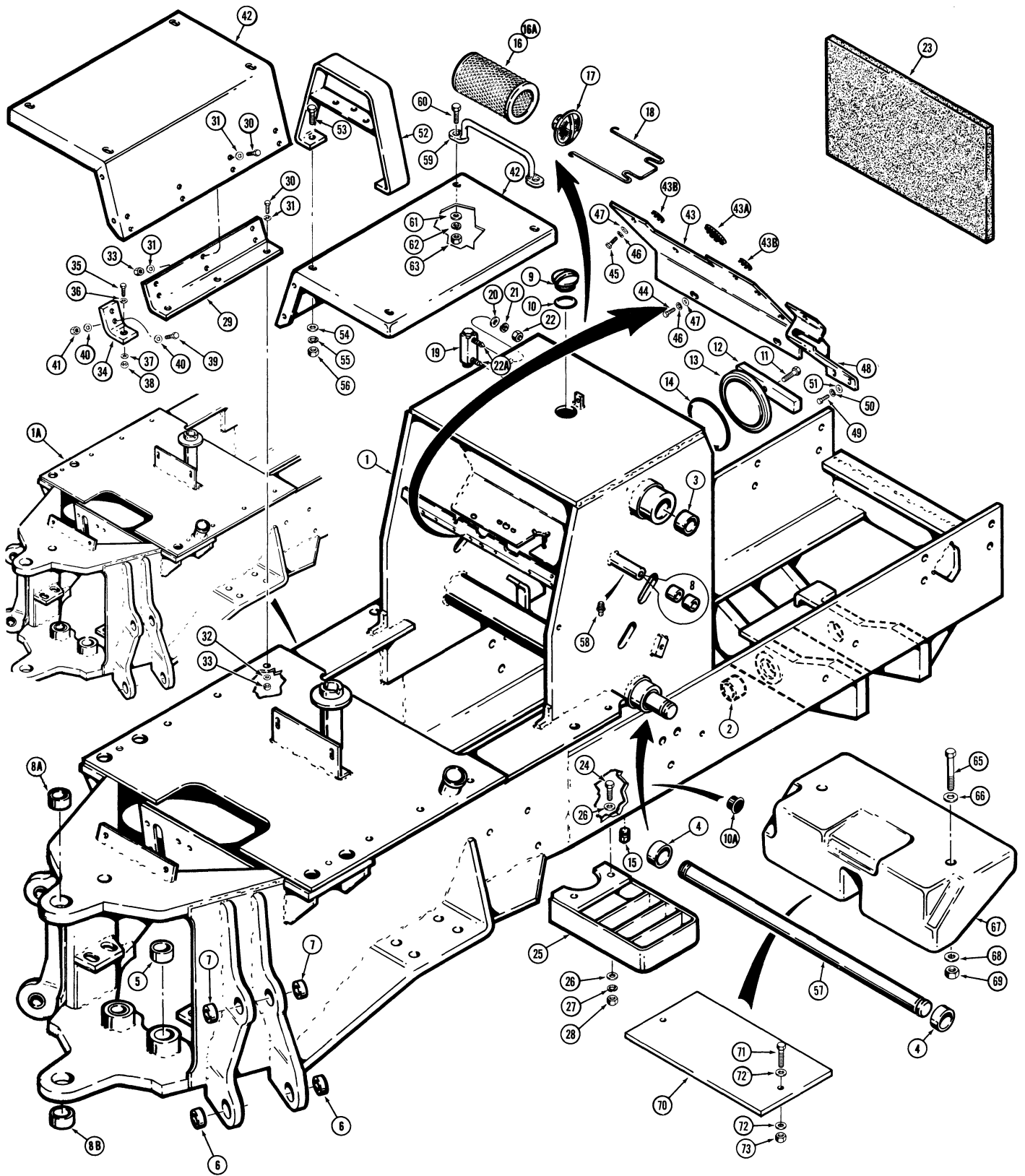
1	L	72900	BUCKET - 24 inch (610 mm) heavy duty, machinery item, see page 2 for ordering	1
2	L	72992	BLADE - cutting, R.H. side	1
3	L	72993	BLADE - cutting, L.H. side	1
	L	72991	BLADE ASSEMBLY - center	1
4		NSS	BLADE - center	1
	R	38572	TOOTH ASSEMBLY	5
5		NSS	POINT - tooth	1
6	R	35318	PIN - tooth	1
7	R	35319	LOCK - tooth	1
1	L	73212	BUCKET - 30 inch (762 mm) heavy duty, machinery item, see page 2 for ordering	1
2	L	72992	BLADE - cutting, R.H. side	1
3	L	72993	BLADE - cutting, L.H. side	1
	L	73209	BLADE ASSEMBLY - center	1
4		NSS	BLADE - center	1
	R	38572	TOOTH ASSEMBLY	6
5		NSS	POINT - tooth	1
6	R	35318	PIN - tooth	1
7	R	35319	LOCK - tooth	1



CHASSIS, FENDERS AND STEPS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 55000	CHASSIS AND FRAME ASSEMBLY - tractor and backhoe, models with fuel filler in forward part of operator's compartment	1
1A	L 59800	CHASSIS AND FRAME ASSEMBLY - tractor and backhoe, models with fuel filler in rear part of operator's compartment, used before tractor sn. 9122234	1
2	L 11494	BUSHING - front axle pivot	2
3	D 33659	BUSHING - loader lift frame pivot	4
4	D 43508	BUSHING - lift cylinder pivot	2
5	D 60159	BUSHING - swing cylinder pivot, lower	2
6	D 33024	BUSHING - stabilizer leg to frame	4
7	D 34340	BUSHING - stabilizer cylinder to frame	4
8	L 17421	BUSHING - pivot, anti-rollback	2
8A	L 70379	BUSHING - upper, swing tower mounting	1
8B	L 58870	BUSHING - lower, swing tower mounting	1
9	A 26009	CAP - filler, hydraulic tank	1
10	A 7552	O-RING - filler cap	1
10A	205- 61	PLUG - button, if used	1
11	113- 419	HHCS - 1/2" - 13 NC x 2-1/2", cover retaining	1
12	L 50741	BAR - cover holddown	1
13	L 55406	COVER - access, hydraulic filter	1
14	L 55410	O-RING - access cover	1
15	221- 35	PLUG - pipe, 3/4" NPT, tank drain	1
16	L 59846	FILTER - hydraulic tank, paper cartridge, order L72877	1
16A	L 72877	FILTER - hydraulic tank, metal cartridge	1
17	L 59847	RELIEF VALVE - filter	1
18	L 52759	SPRING - retainer, filter	1
19	L 53208	GAUGE - hydraulic oil level	1
20	A 27410	SEAL - gauge	2
21	92- 8	WASHER - lock, 1/2"	2
22	131- 402	NUT - hex., self lock, 1/2"	2
22A	D 75821	STUD - mounting	2
22B	A 30825	O-RING - end plugs to body, not shown	2
22C	D 75820	TUBE - sight, internal, not shown	1
22D	D 75819	GASKET - internal, sight tube, not shown	2
23	L 54670	INSULATOR - heat, hydraulic tank, foam material	1
24	13- 832	HHCS - 1/2" - 13 NC x 2"	4
25	L 58575	STEP - operator assist	2
26	95- 8	WASHER - flat, 1/2"	8
27	92- 8	WASHER - lock, 1/2"	4
28	25- 108	NUT - hex., 1/2" - 13 NC	4

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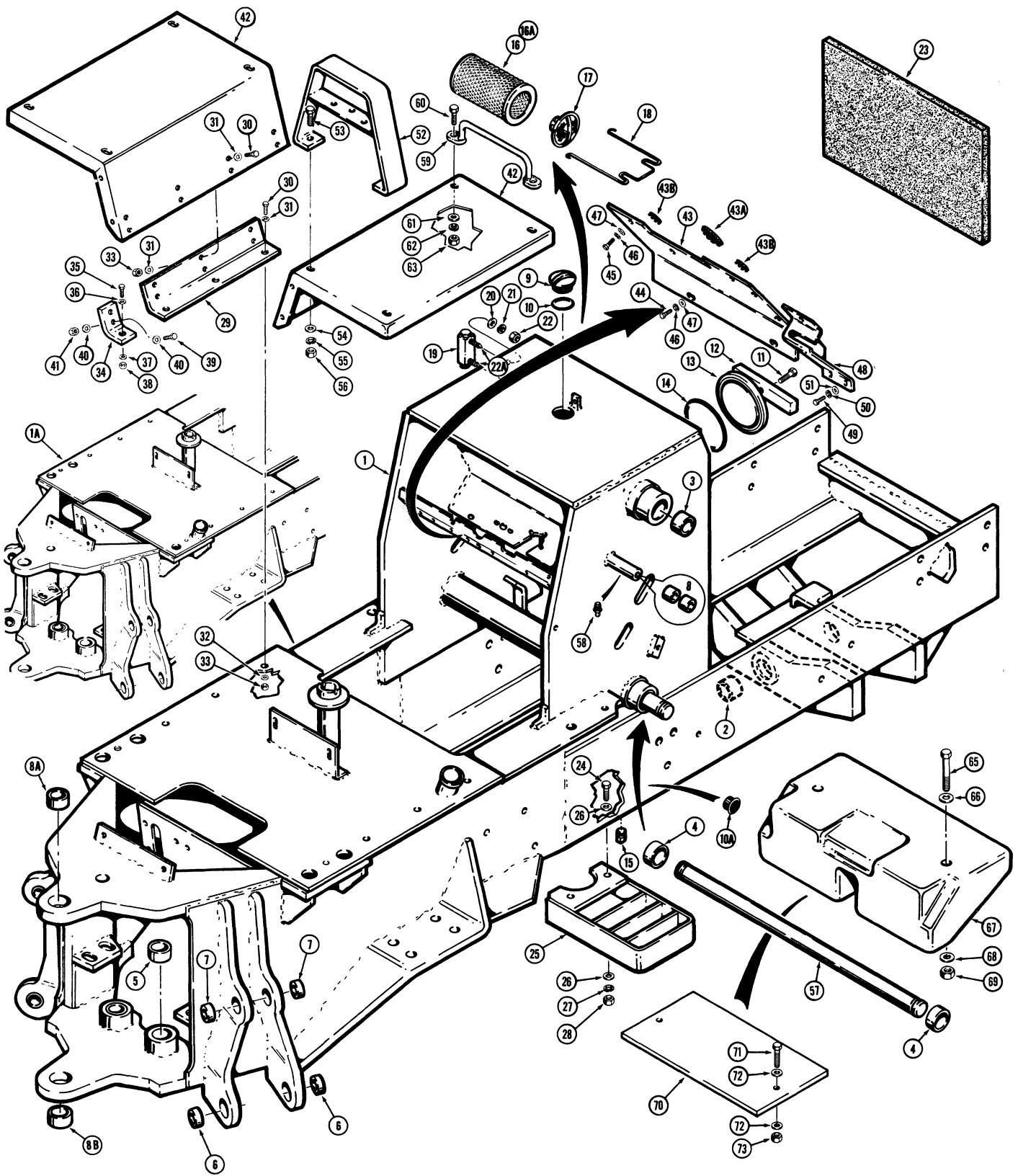


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 425

CHASSIS, FENDERS AND STEPS

REF.	PART NO.	DESCRIPTION	REQ'D.
29	L 58516	BRACKET - fender mounting, used with L58550 fender	2
29	L 72166	BRACKET - fender mounting, used with L59933 fender	2
30	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	18
31	95- 6	WASHER - flat, 3/8"	30
32	195- 2042	WASHER - flat	6
33	25- 106	NUT - hex., 3/8" - 16 NC	18
34	L 72634	ANGLE - fender mounting, used on units without ROPS	2
35	13- 636	HHCS - 3/8" - 16 NC x 2-1/4"	2
36	95- 6	WASHER - flat, 3/8"	2
37	195- 28	WASHER - flat, special	2
38	25- 106	NUT - hex., 3/8" - 16 NC	2
39	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	4
40	95- 6	WASHER - flat, 3/8"	8
41	25- 106	NUT - hex., 3/8" - 16 NC	4
42	L 58550	FENDER - rear wheel, R.H. and L.H., models with fuel filler in forward part of operator's compartment	2
42	L 59933	FENDER - rear wheel, R.H. and L.H., models with fuel filler in rear part of operator's compartment, without grab handle	2
42	L 73371	FENDER - rear wheel, R.H. and L.H., models with fuel filler in rear part of operator's compartment, with grab handles	2
43	L 57897	PLATE - cover, instrument wiring, for models with heater, see pages 89-93	1
43A	353- 255	PLUG - button head, 3-1/2", if used	1
43B	353- 580	PLUG - button head, 1", if used	2
44	13- 616	HHCS - 3/8" - 16 NC x 1"	2
45	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	2
46	92- 6	WASHER - lock, 3/8"	4
47	95- 6	WASHER - flat, 3/8"	4
48	L 58657	PLATE - cover, instrument wiring, end	1
49	13- 612	HHCS - 3/8" - 16 NC x 3/4"	3
50	92- 6	WASHER - lock, 3/8"	3
51	95- 6	WASHER - flat, 3/8"	3
52	L 57910	BRACKET - light, rear	2
53	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	4
54	95- 8	WASHER - flat, 1/2"	4
55	92- 8	WASHER - lock, 1/2"	4
56	25- 108	NUT - hex., 1/2" - 13 NC	4
57	REF.	SHAFT - lift cylinder mounting, see page 373 for related parts . . .	1
58	219- 87	FITTING - grease, 1/4" - 28 NF self tapping	1
59	L 73545	HANDLE - grab, mounted on fender	2
60	13- 616	HHCS - 3/8" - 16 NC x 1"	4
61	95- 6	WASHER - flat, 3/8"	4
62	92- 6	WASHER - lock, 3/8"	4
63	25- 106	NUT - hex., 3/8" - 16 NC	4
64	L 15043	MAGNET - hydraulic tank, not shown	1

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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 427

CHASSIS, FENDERS AND STEPS

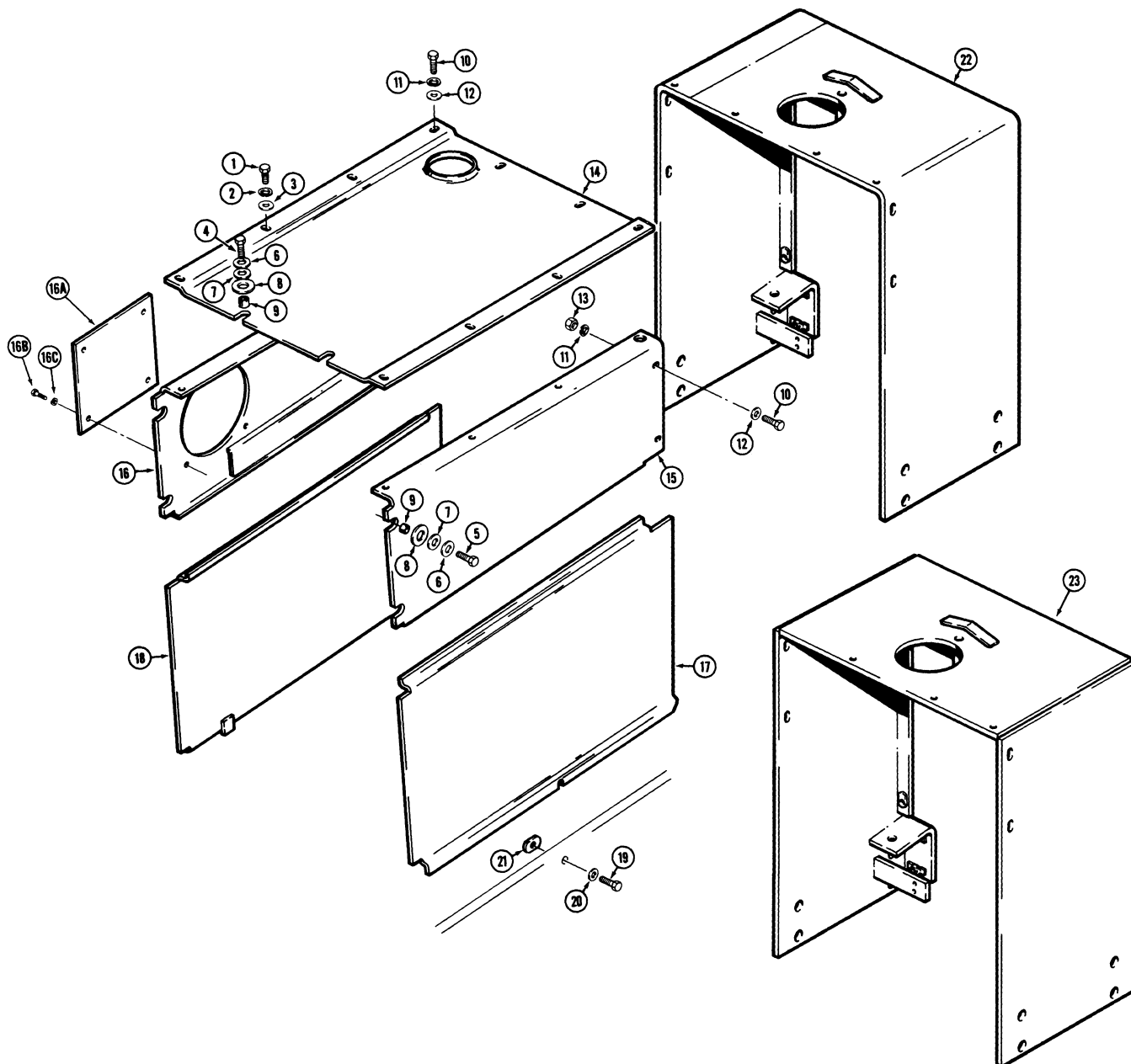
REF.	PART NO.	DESCRIPTION	REQ'D.
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USED WITH STANDARD BUCKET ONLY

65	13-	12120	HHCS - 3/4" - 10 NC x 7-1/2"2
66	95-	12	WASHER - flat, 3/4", upper2
67	L	74558	COUNTERWEIGHT - front, 690 lbs. (313 kg)1
68	195-	45	WASHER - flat, 3/4", lower2
69	25-	1012	NUT - hex., 3/4" - 10 NC2

USED WITH 4-IN-1 BUCKET ONLY

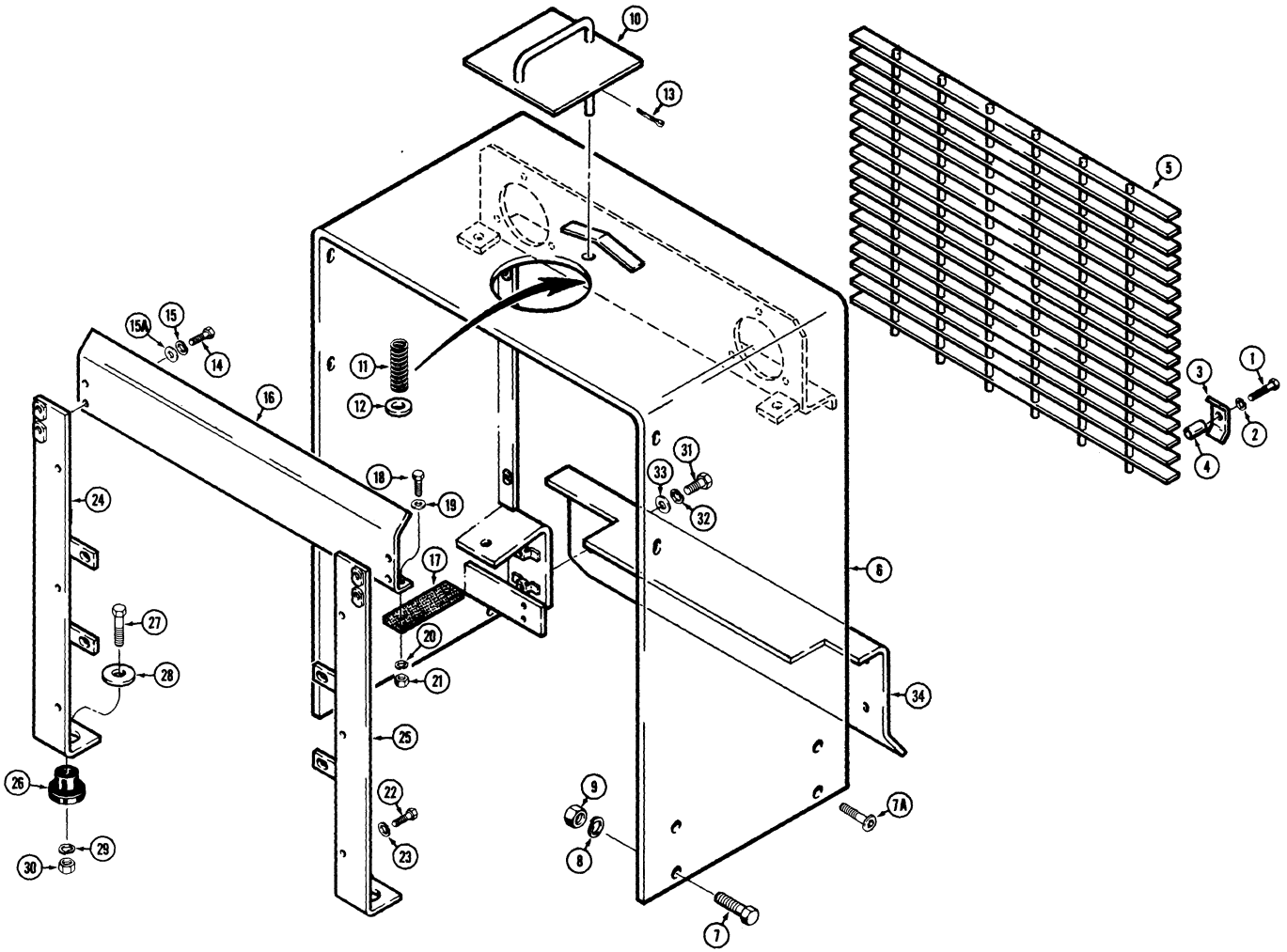
70	L	59642	PLATE - pump guard1
71	13-	1240	HHCS - 3/4" - 10 NC x 2-1/2"2
72	95-	12	WASHER - flat, 3/4"4
73	25-	1012	NUT - hex., 3/4" - 10 NC2



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 429

HOOD AND ENGINE SIDE PANELS

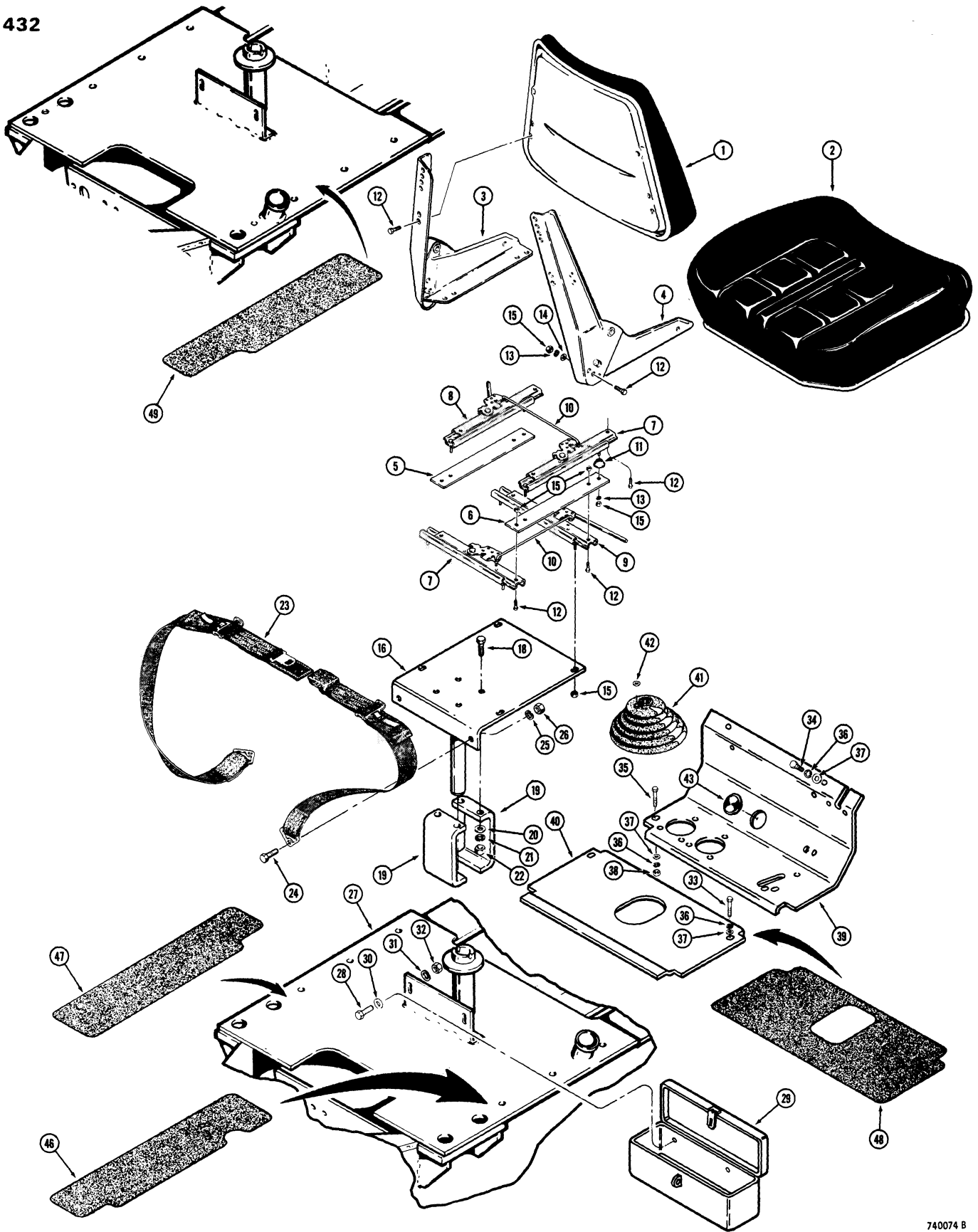
REF.	PART NO.	DESCRIPTION	REQ'D.
1	13- 612	HHCS - 3/8" - 16 NC x 3/4", hood top	6
2	92- 6	WASHER - lock, 3/8"	6
3	95- 6	WASHER - flat, 3/8"	6
4	13- 620	HHCS - 3/8" - 16 NC x 1-1/4", hood rear	2
5	13- 620	HHCS - 3/8" - 16 NC x 1-1/4", hood side	4
6	A 29277	WASHER - flat, 3/8"	6
7	R 16171	WASHER - spring wave type	6
8	95- 10	WASHER - special	6
9	D 45998	SPACER - hood to chassis	6
10	13- 620	HHCS - 3/8" - 16 NC x 1-1/4", hood front	8
11	92- 6	WASHER - lock, 3/8"	8
12	95- 6	WASHER - flat, 3/8"	8
13	131- 1202	NUT - hex., lock, 3/8" - 16 NC	4
14	L 55833	HOOD - top, center of exhaust opening is 4-1/4" (108 mm) from front edge, if used	1
14	L 70214	HOOD - top, center of exhaust opening is 11-1/2" (292 mm) from front edge, if used	1
15	L 55831	HOOD - side, R.H., used with L55693 frame	1
15	L 71803	HOOD - side, R.H., used with L73982 frame	1
16	L 55829	HOOD - side, L.H., used with L55693 frame	1
16	L 71805	HOOD - side, L.H., used with L73982 frame	1
16A	L 70501	PLATE - air cleaner access, if used	1
16B	13- 612	HHCS - 3/8" - 16 NC x 3/4"	4
16C	92- 6	WASHER - lock, 3/8"	4
17	L 55785	PANEL - engine side, R.H.	1
18	L 55786	PANEL - engine side, L.H.	1
19	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	2
20	195- 104	WASHER - flat, 3/8"	2
21	129- 471	NUT - weld type, 3/8" - 16 NC	UAR
22	L 55693	FRAME - radiator and grille, one piece formed, order L73982 frame, L71803 hood side and L71805 hood side	1
23	L 73982	FRAME - radiator and grille, Three piece welded	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 431

RADIATOR FRAME AND GRILLE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	13- 628	HHCS - 3/8" - 16 NC x 1-3/4"	4
2	92- 6	WASHER - lock, 3/8"	4
3	L 15301	CLAMP - grille retaining	4
4	T 34922	SPACER - grille to frame	4
5	L 55682	GRILLE - radiator frame	1
6	REF.	FRAME - radiator and grille, see page 429	1
7	13- 1232	HHCS - 3/4" - 10 NC x 2"	4
7A	164- 591	CAPSCREW - button head, hex socket	4
8	92- 12	WASHER - lock, 3/4"	8
9	25- 1012	NUT - hex., 3/4" - 10 NC	8
10	L 55697	COVER - radiator cap access	1
11	A 27100	SPRING - cover mounting	1
12	95- 6	WASHER - flat, 3/8"	1
13	132- 47	PIN - cotter, 1/8" x 7/8"	1
14	13- 512	HHCS - 5/16" - 18 NC x 3/4"	4
15	92- 5	WASHER - lock, 5/16"	4
15A	95- 5	WASHER - flat, 5/16"	6
16	L 55694	BAFFLE - radiator, upper	1
17	L 50641	STRAP - radiator mounting, upper	2
18	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	4
19	95- 6	WASHER - flat, 3/8"	4
20	92- 6	WASHER - lock, 3/8"	4
21	25- 106	NUT - hex., 3/8" - 16 NC	4
22	14- 512	HHCS - 5/16" - 24 NF x 1/2"	6
23	92- 5	WASHER - lock, 5/16"	6
24	L 55699	BRACKET - radiator mounting, L.H.	1
25	L 55700	BRACKET - radiator mounting, R.H.	1
26	L 46821	BUSHING - radiator mounting, lower	2
27	13- 840	HHCS - 1/2" - 13 NC x 2-1/2"	2
28	195- 2061	WASHER - flat, 1/2"	2
29	92- 8	WASHER - lock, 1/2"	2
30	25- 108	NUT - hex., 1/2" - 13 NC	2
31	13- 824	HHCS - 1/2" - 13 NC x 1-1/2"	4
32	92- 8	WASHER - lock, 1/2"	4
33	95- 8	WASHER - flat, 1/2"	4
34	L 55701	PLATE - guard, lower radiator	1

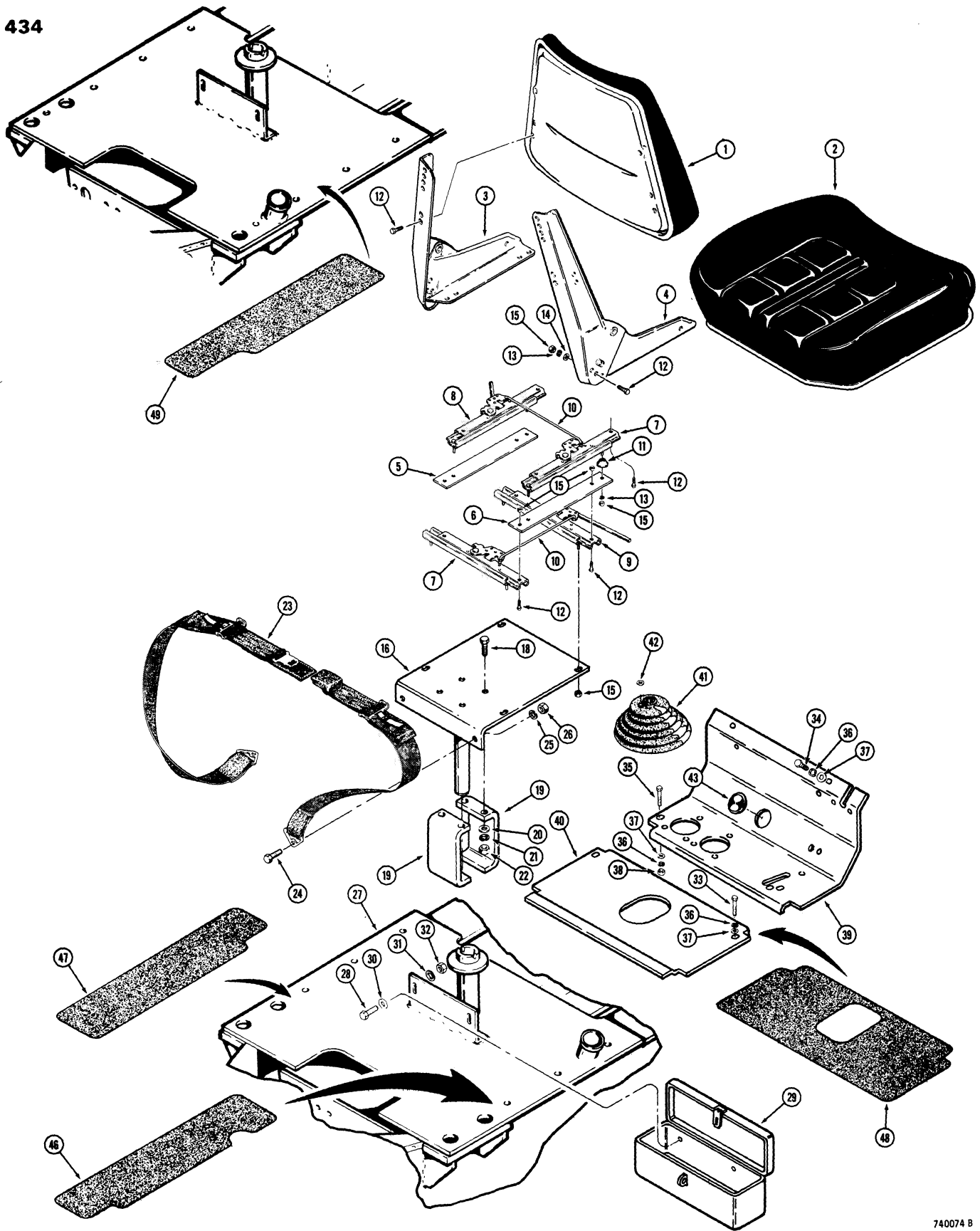


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 433

FUEL TANK, FLOOR PLATES AND SEAT

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 57148	SEAT ASSEMBLY - operator's	1
1	D 56884	BACKREST - seat	1
2	D 56883	CUSHION - seat	1
3	D 56885	FRAME - seat, L.H.	1
4	D 56886	FRAME - seat, R.H.	1
5	D 59687	BRACKET - mounting, L.H.	1
6	D 59686	BRACKET - mounting, R.H.	1
7	A 64818	ADJUSTER - seat	2
8	L 35629	ADJUSTER - seat, L.H.	1
9	D 59695	ADJUSTER - seat, front	1
10	L 35492	ROD - connecting, seat adjusters	2
11	D 59689	SPACER - seat frame	4
12	113- 118	HHCS - 5/16" - 18 NC x 5/8", zinc plated	18
13	192- 20	WASHER - lock, 5/16", plated	10
14	195- 521	WASHER - flat, 5/16", plated	10
15	129- 102	NUT - hex., 5/16" - 18 NC, plated	10
15A	D 80346	GUARD - clothing protection, slide rail front, if used, not shown	2
16	L 55925	POST - seat, inner	1
17		RESERVED	
18	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	4
19	L 54713	CLAMP - seat post	2
20	95- 6	WASHER - flat, 3/8"	4
21	92- 6	WASHER - lock, 3/8"	4
22	25- 106	NUT - hex., 3/8" - 16 NC	4
23	D 60615	BELT ASSEMBLY - seat, 3" (76 mm) wide, if used	1
23	D 75428	BELT ASSEMBLY - seat, 2" (51 mm) wide, if used	1
24	113- 424	HHCS - 1/2" - 13 NC x 1", plated	2
25	192- 23	WASHER - lock, 1/2", plated	2
26	131- 654	NUT - hex., self lock, 1/2" - 13 NC	2
27	REF.	TANK ASSEMBLY - fuel, see page 423 for chassis and related parts	1
28	13- 616	HHCS - 3/8" - 16 NC x 1", tool box mounting	2
29	D 55624	BOX - tool	1
30	95- 6	WASHER - flat, 3/8"	2
31	92- 6	WASHER - lock, 3/8"	2
32	25- 106	NUT - hex., 3/8" - 16 NC	2

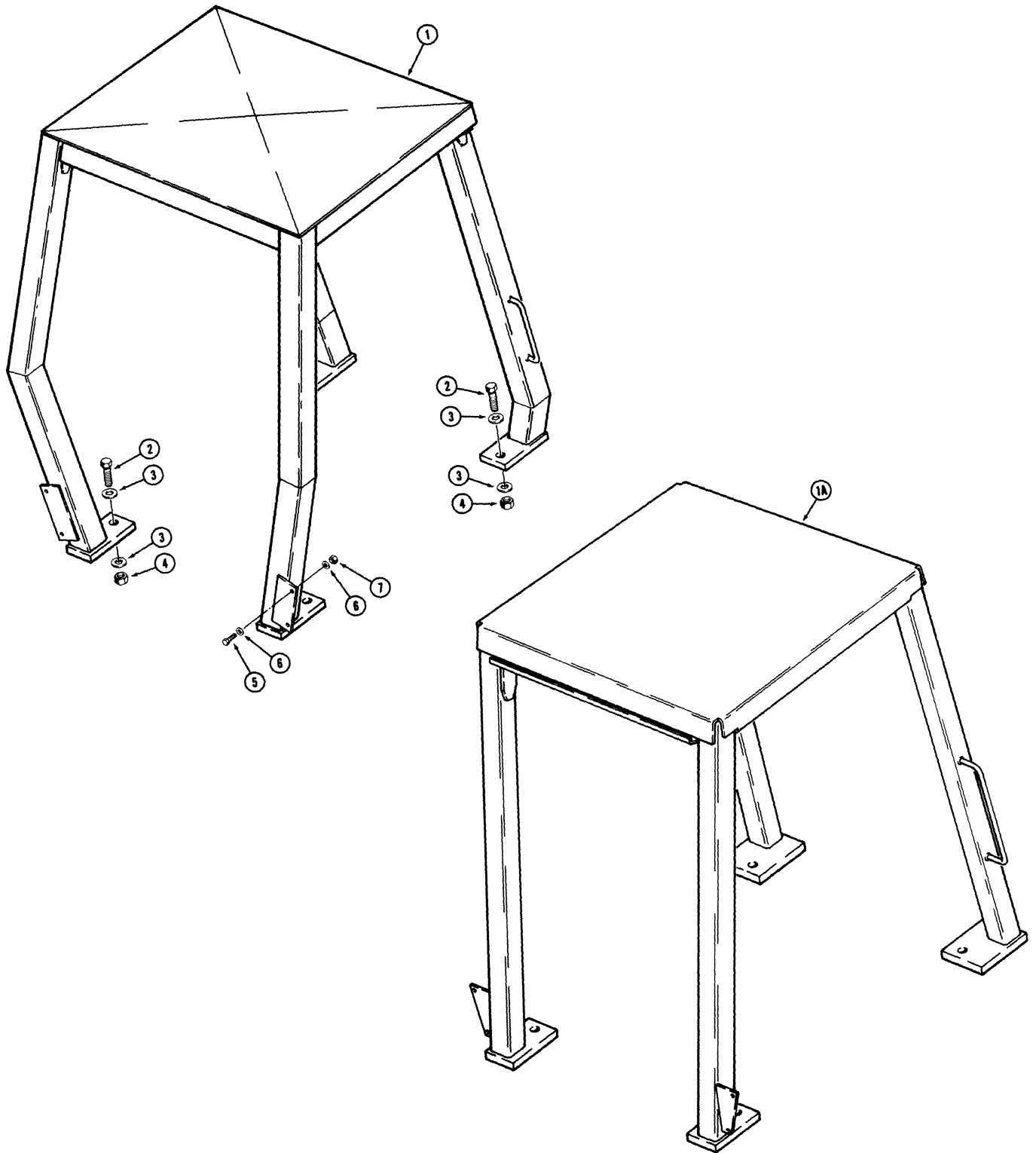
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MODEL 680E CONSTRUCTION KING LOADER BACKHOE 435

FUEL TANK, FLOOR PLATES AND SEAT

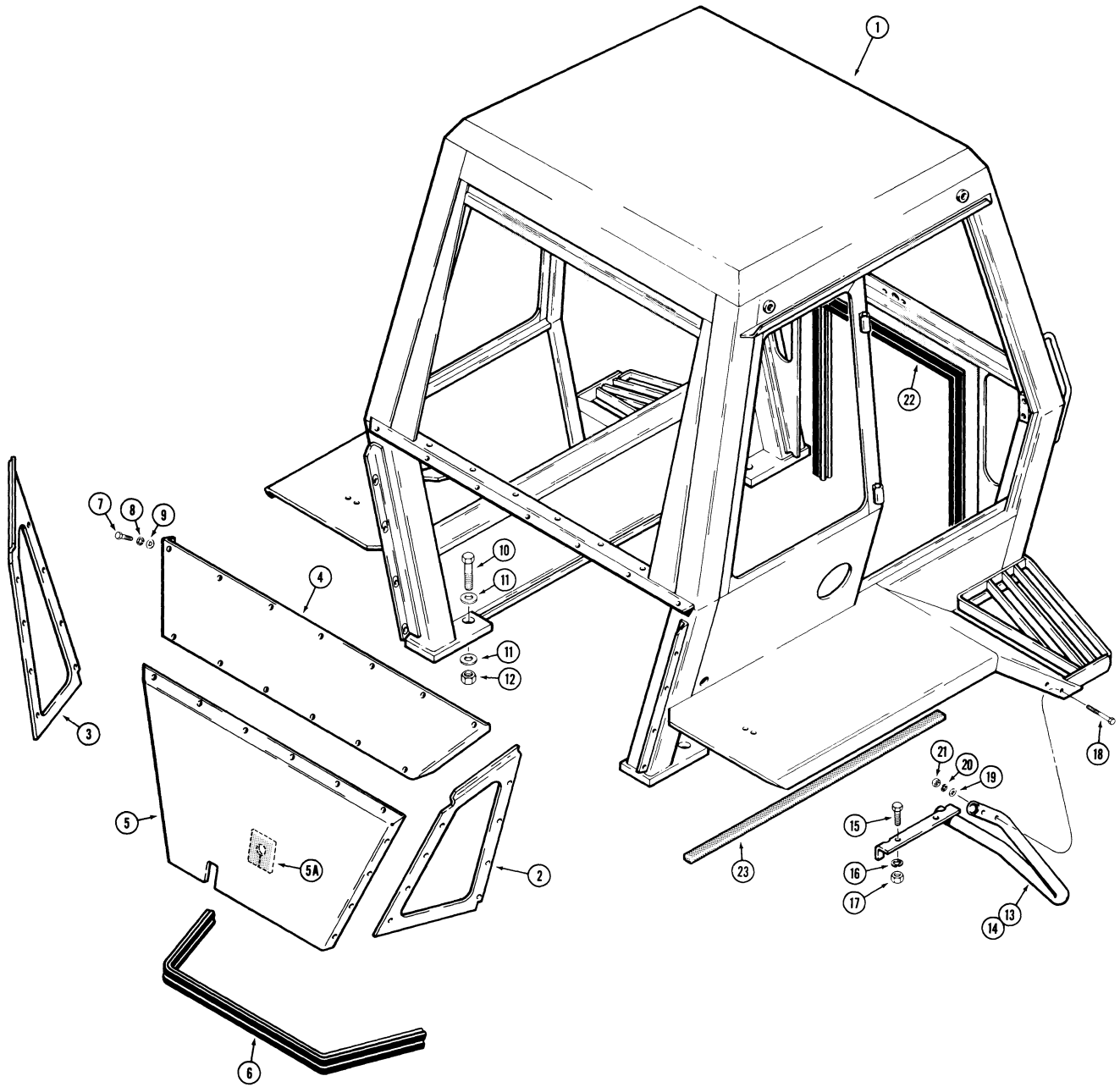
REF.	PART NO.	DESCRIPTION	REQ'D.
33	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	2
34	13- 612	HHCS - 3/8" - 16 NC x 3/4"	2
35	13- 632	HHCS - 3/8" - 16 NC x 2"	2
36	92- 6	WASHER - lock, 3/8"	6
37	95- 6	WASHER - flat, 3/8"	8
38	25- 106	NUT - hex., 3/8" - 16 NC	2
39	L 57005	PLATE - floor, front	1
40	L 55922	PLATE - floor, rear	1
41	L 54087	SEAL - transmission, shift lever	1
42	95- 8	WASHER - flat, 1/2", seal retainer	1
43	L 52474	COVER - access, snap-in plug	1
44	L 71570	FLOORMAT - front, not shown	1
45	L 72665	FLOORMAT - rear- not shown	1
46	L 71421	PAD - non-slip, R.H., models with front fuel filler tube	1
47	L 71262	PAD - non-slip, L.H.	1
48	L 71264	PAD - non-slip, center	1
49	L 71421	PAD - non-slip, R.H., models with rear fuel filler tube	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 437

ROPS CANOPY

REF.	PART NO.	DESCRIPTION	REQ'D.
1	F 93538	CANOPY - ROPS, bent legs, machinery item, see page 2 for ordering	1
1A	L 71080	CANOPY - ROPS, straight legs, machinery item, see page 2 for ordering	1
2	13- 2056	HHCS - 1-1/4" - 7 NC x 3-1/2", ROPS mounting	4
3	D 43536	WASHER - flat, 1-1/4", hardened	8
4	25- 1020	NUT - hex., 1-1/4" - 7 NC	4
5	13- 624	HHCS - 3/8" - 16 NC x 1-1/2", fender mounting	4
6	95- 6	WASHER - flat, 3/8"	8
7	25- 106	NUT - hex., 3/8" - 16 NC	4
8	L 72019	HEADLINER - canopy, used with F93538 canopy	1
9	L 79212	HEADLINER - canopy, used with L71080 canopy	1
10	345- 57	ADHESIVE - headliner, not shown	UAR

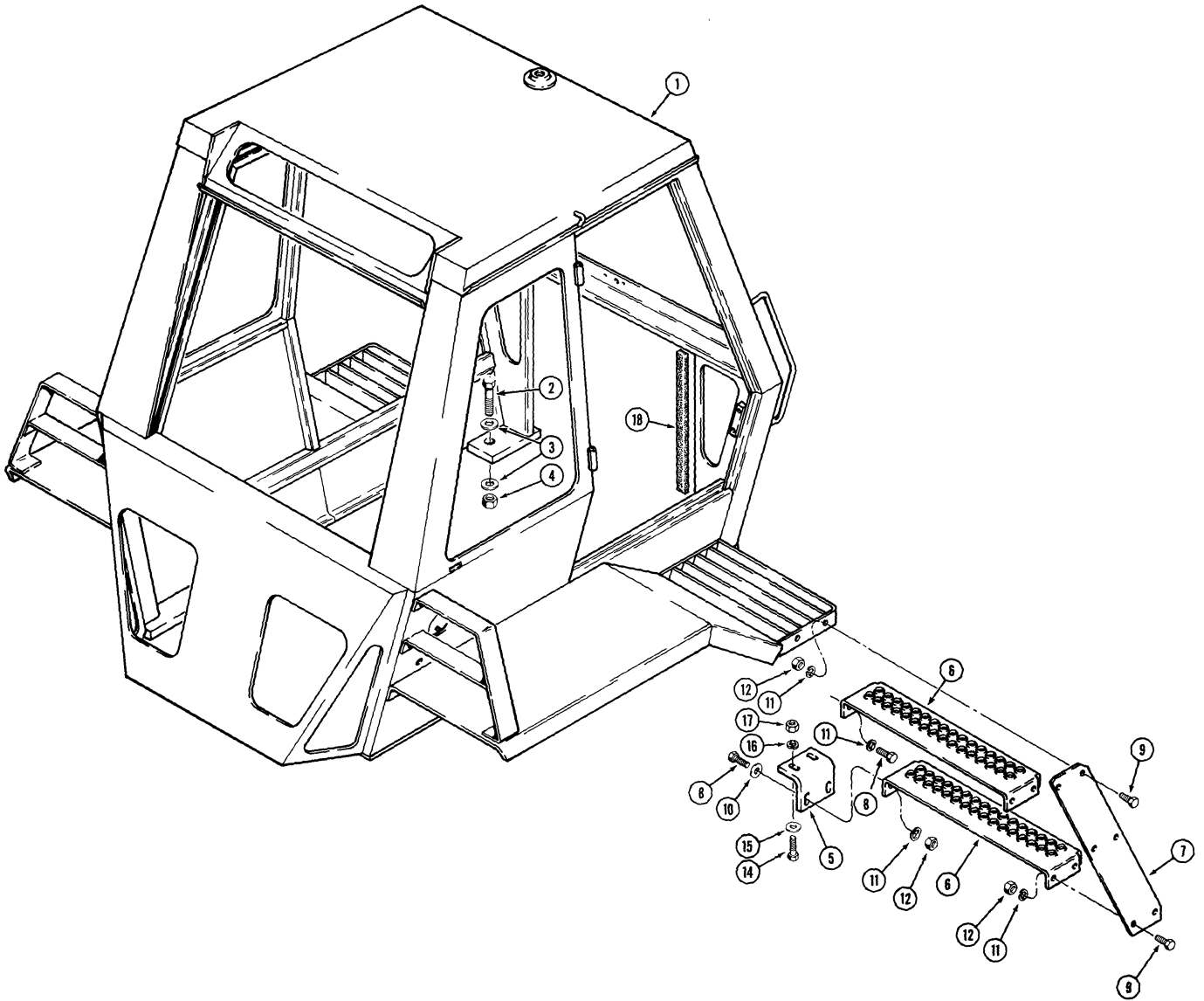


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 439

***OPERATOR'S CAB (CASE BUILT)
MOUNTING AND BACKHOE CLOSURE PARTS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	F 93569	FRAME - operator's cab	1
2	F 42911	PANEL - backhoe, R.H.	1
3	F 42912	PANEL - backhoe, L.H.	1
4	F 93554	PANEL - backhoe, upper	1
5	F 93555	PANEL - backhoe, lower	1
5A	F 43282	SEAL - lower backhoe panel	1
6	REF.	SEAL - backhoe panels, 45.2" (1148 mm) Cut from F43117 bulk seal, see item 24	UAR
7	113- 118	HHCS - 5/16" - 18 NC x 5/8", plated	29
8	192- 20	WASHER - lock, 5/16", plated	29
9	195- 103	WASHER - flat, 5/16", plated	29
10	13- 2056	HHCS - 1-1/4" - 7 NC x 3-1/2", cab mounting	4
11	D 43536	WASHER - flat, heat treated, 1-1/4"	8
12	25- 1020	NUT - hex., 1-1/4" - 7 NC	4
13	F 93630	STEP - access, R.H.	1
14	F 93631	STEP - access, L.H.	1
15	113- 607	HHCS - 5/8" - 11 NC x 1-1/2", plated	4
16	192- 25	WASHER - lock, 5/8", plated	4
17	129- 107	NUT - hex., 5/8" - 11 NC, plated	4
18	113- 219	HHCS - 3/8" - 16 NC x 2", plated	4
19	195- 525	WASHER - flat, 3/8", plated	4
20	192- 21	WASHER - lock, 3/8", plated	4
21	129- 103	NUT - hex., 3/8" - 16 NC, plated	4
22	REF.	SEAL - cowl, 85" (2159 mm) Cut from F43094 bulk seal, see item 25	UAR
23	F 43283	SEAL - fender, 40.3" (1023 mm) long	2
24	F 43117	SEAL - bulk material, 100 ft. (30 metres) roll, not shown	UAR
25	F 43094	SEAL - bulk material, 100 ft. (30 metres) roll, not shown	UAR

*NOTE: Case built cabs may be identified by the J I Case Company serial number plate located in the top L.H. corner of the cab. For replacement of complete cab, order Sims built cab, pages 451 and 453.

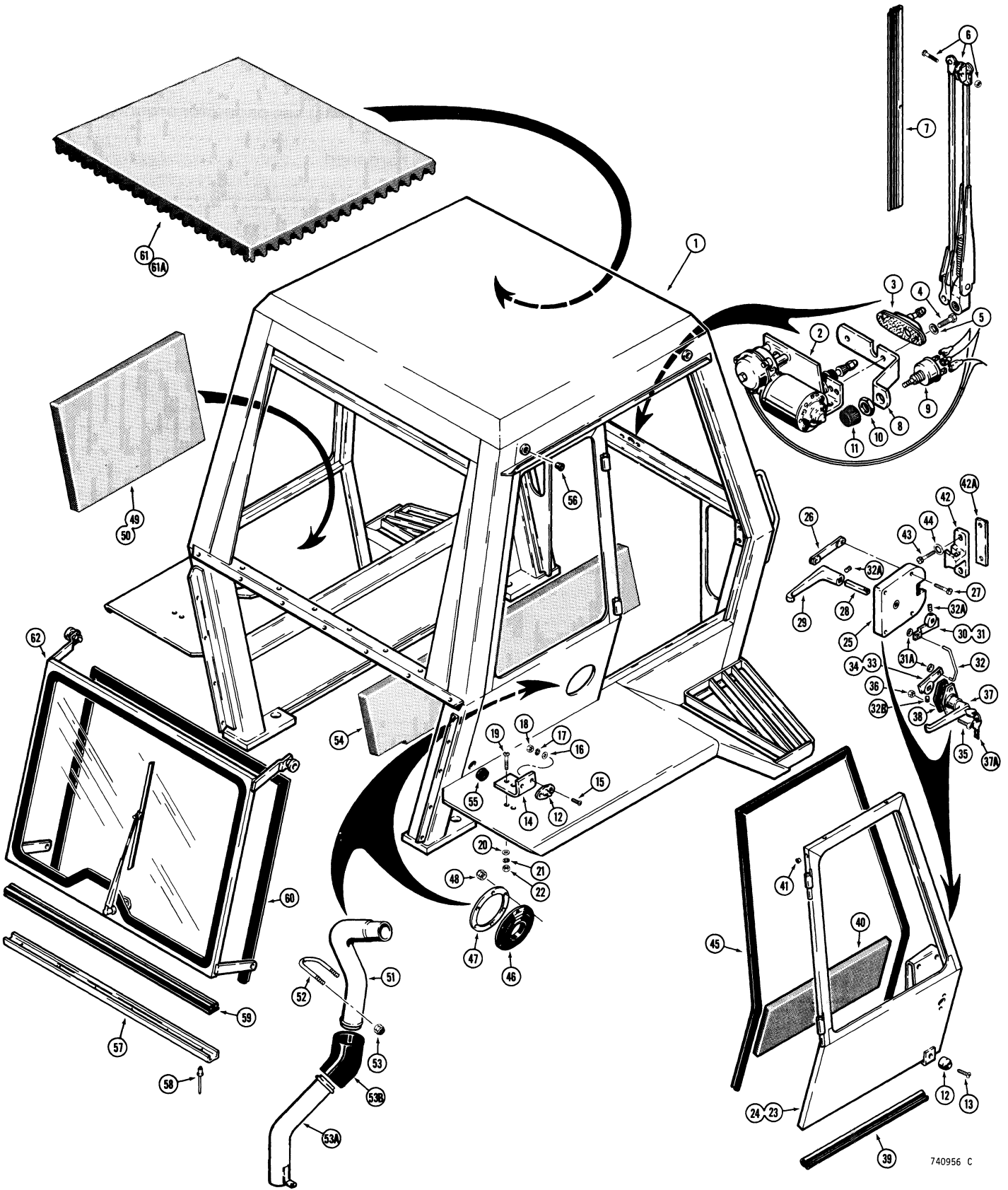


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 441

***OPERATOR'S CAB (SIMS BUILT)
MOUNTING PARTS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	Mach. Item	CAB - operator's (Sims 1000-0405) see page 2 for ordering	1
2	13- 2056	HHCS - 1-1/4" - 7 NC x 3-1/2"	4
3	D 43536	WASHER - flat, 1-1/4", hardened	8
4	25- 1020	NUT - hex., 1-1/4" - 7 NC	4
5	L 71214	BRACKET - step	2
6	L 71215	STEP - access	4
7	L 71219	PLATE - step mounting	2
8	13- 824	HHCS - 1/2" - 13 NC x 1-1/2"	8
9	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	12
10	D 64050	WASHER - flat, 1/2", special	4
11	92- 8	WASHER - lock, 1/2"	20
12	25- 108	NUT - hex., 1/2" - 13 NC	16
13		RESERVED	
14	13- 1032	HHCS - 5/8" 11 NC x 1-3/4"	4
15	195- 41	WASHER - flat, 5/8"	4
16	92- 10	WASHER - lock, 5/8"	4
17	25- 1010	NUT - hex., 5/8" - 11 NC	4
18	L 73272	FOAM - cowl, used on some tractors	1

*NOTE: Sims built cabs may be identified by the Sims part number stamped on the cab serial number plate.

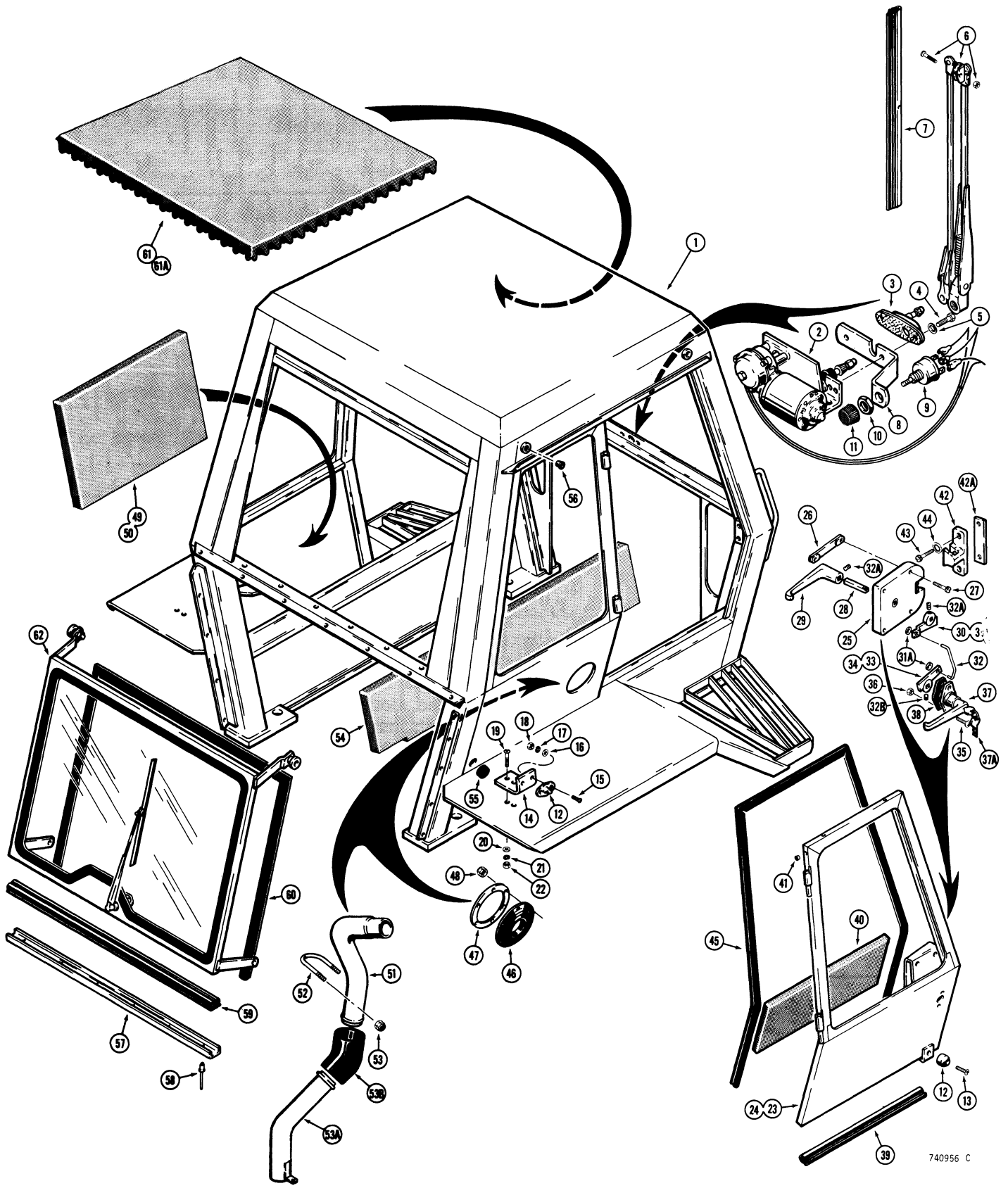


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 443

***OPERATOR'S CAB (CASE BUILT)
DOORS AND WIPERS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	F 93569	FRAME - operator's cab	1
2	REF.	MOTOR - wiper, parts list page 99	1
3	F 43096	ADAPTOR - Pantograph, double arm wiper	1
4	114- 5	HHCS - 1/4" - 28 NF x 3/4", plated	2
5	192- 19	WASHER - lock, 1/4", plated	2
6	F 43097	ARM - windshield wiper, 19" (482 mm)	1
7	F 43095	BLADE - windshield wiper, 17" (431 mm)	1
8	F 43227	BRACKET - switch, wiper motor	1
9	F 63532	SWITCH - wiper motor, spade terminals	1
9	L 35743	SWITCH - wiper motor, bullet terminals	1
10	A 42561	NUT - hex., switch mounting, 7/16" - 27 NF	1
11	A 42578	KNOB - wiper motor switch	1
12	F 93104	BUMPER - door	2
13	182- 527	SCREW - pan head, slotted, 1/4" - 20 NC x 5/8", plated	2
14	F 43138	ANGLE - door holder	2
15	179- 155	SCREW - oval head, slotted, #10 - 24 NC x 3/4", plated	4
16	195- 513	WASHER - flat, #10, plated	4
17	192- 18	WASHER - lock, 3/16", plated	4
18	129- 17	NUT - hex., #10 - 24 NC, plated	4
19	111- 203	SCREW - round head, slotted, 5/16" - 18 NC x 1", plated	4
20	195- 521	WASHER - flat, 5/16", plated	4
21	192- 20	WASHER - lock, 5/16", plated	4
22	129- 102	NUT - hex., 5/16" - 18 NC, plated	4
23	F 93573	DOOR - R.H.	1
24	F 93574	DOOR - L.H.	1
25	F 89824	LATCH - door, inside	2
26	F 93579	STRAP - latch	4
27	182- 534	SCREW - pan head, slotted, 1/4" - 20 NC x 1", plated	8
28	F 42982	SHAFT - door latch, inside	2
29	F 63925	HANDLE - inside release	2
30	F 93575	ARM - handle, R.H., inner	1
31	F 93576	ARM - handle, L.H., inner	1
31A	131- 421	NUT - push type	4
32	F 42980	ROD - latch	2
32A	178- 830	SCREW - set, #10 - 24 NC x 3/8"	4
32B	178- 838	SCREW - set, #10 - 24 NC x 5/8"	2
33	F 93577	ARM - handle, R.H., outer	1
34	F 93578	ARM - handle, L.H., outer	1
35	179- 154	SCREW - oval head, phillips, #10 - 24 NC x 5/8", plated	4
36	131- 50	NUT - hex., #10 - 24 NC, plated	4
37	F 93580	HANDLE - door, outside	2
37A	A 42653	KEYS - handle, outside	2
38	F 63860	GASKET - outside handle	2
39	REF.	SEAL - door bottoms, 23.5" (597 mm) long, Cut from F43086 bulk seal, see item 63	UAR
40	F 43070	PADDING - door, inside	2

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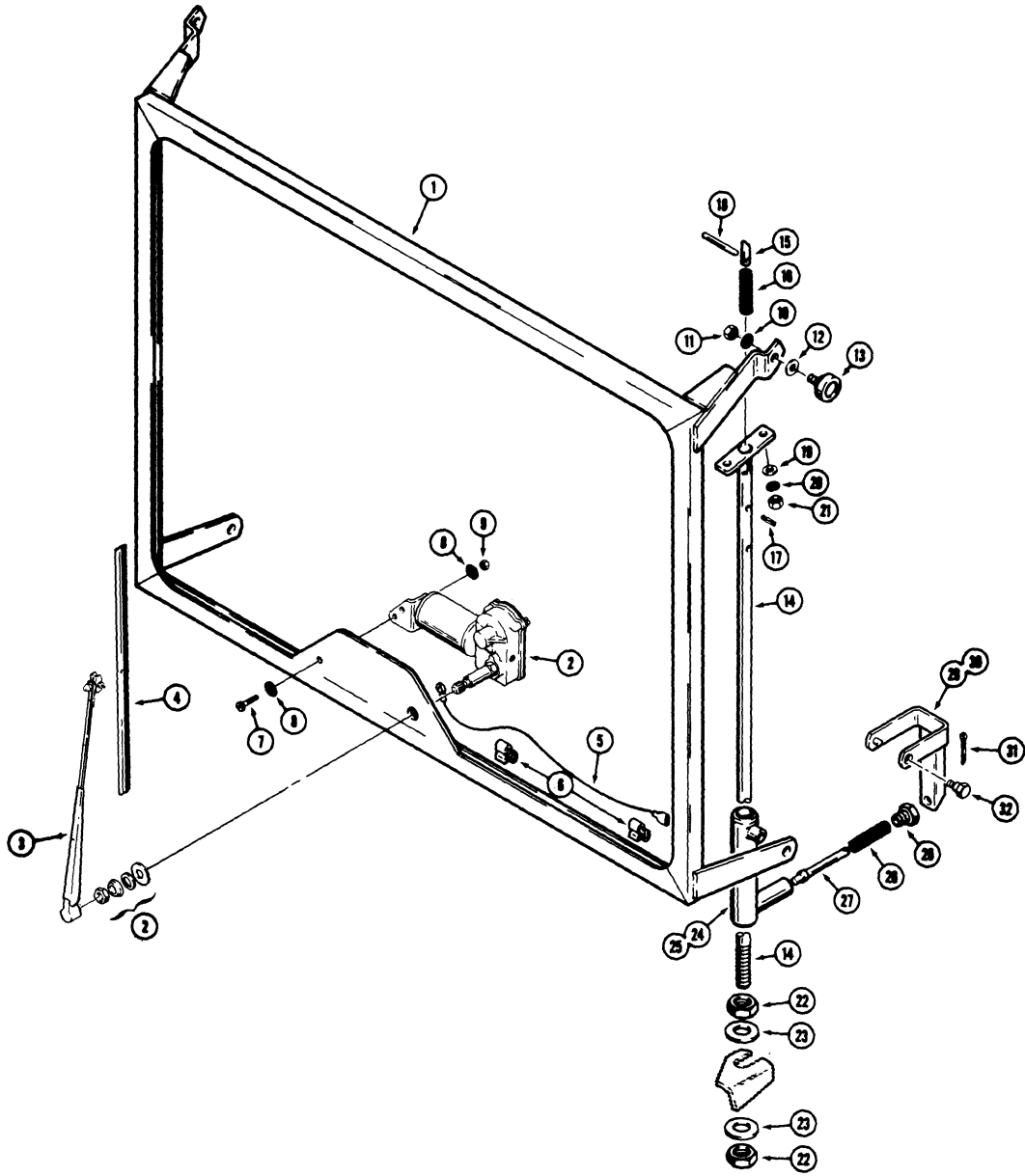


MODEL 680E CONSTRUCTION KING LOADER BACKHOE 445

***OPERATOR'S CAB (CASE BUILT)
DOORS AND WIPERS**

REF.	PART NO.	DESCRIPTION	REQ'D.
41	355- 62	PLUG - plastic	12
42	F 63580	STRIKER - door, R.H. and L.H.	2
42A	F 43527	SHIM - striker, if used	UAR
43	182- 534	SCREW - pan head, slotted, 1/4" - 20 NC x 1", plated	4
44	193- 73	WASHER - internal tooth, shakeproof, plated	4
45	REF.	SEAL - door frame, 106" (2692 mm) long, Cut from F43086 bulk seal, see item 63	UAR
46	F 42990	BELLOWS - fuel filler tube	1
47	F 43064	RING - retaining, fuel filler tube	1
48	131- 1180	NUT - hex., self lock, 1/4" - 20 NC, plated	6
49	F 43071	PADDING - R.H. side panel	1
50	F 43072	PADDING - L.H. side panel	1
51	F 43066	PIPE - fuel filler tube	1
52	F 43065	BOLT - "U" self lock, 1/4" - 20 NC	1
53	131- 1180	NUT - hex., self lock, 1/4" - 20 NC, plated	2
53A	L 73543	PIPE - fuel filler extension, if used	1
53B	R 17765	HOSE - fuel filler, if used	1
54	F 43073	PADDING - fender panel	2
55	A 61145	GROMMET - rubber	2
56	353- 550	PLUG - plastic, with shoulder	4
57	F 42983	RETAINER - rear window seal	1
58	151- 526	RIVET - pop, 1/8" x .294" long (3.17 mm x 7.46 mm long)	6
59	REF.	SEAL - rear window, lower, 38.6" (980 mm) long, Cut from F43091 bulk seal, see item 64	UAR
60	REF.	SEAL - rear window, 97.4" (2474 mm) long, Cut from F43092 bulk seal, see item 65	UAR
61	F 43069	HEADLINER - cab	1
61A	F 43577	HEADLINER - cab	1
62	REF.	REAR WINDOW ASSEMBLY - slide-up, see page 447 for breakdown	1
63	F 43086	SEAL - bulk roll, 100 ft. (30 metres), not shown	UAR
64	F 43091	SEAL - bulk roll, 100 ft. (30 metres), not shown	UAR
65	F 43092	SEAL - bulk roll, 100 ft. (30 metres), not shown	UAR

*NOTE: Case built cabs may be identified by the J I Case Company serial number plate located in the top L.H. corner of the cab. For replacement of complete cab, order Sims built cab, pages 451 and 453. For dimensional information on glass and mouldings, see page 449.



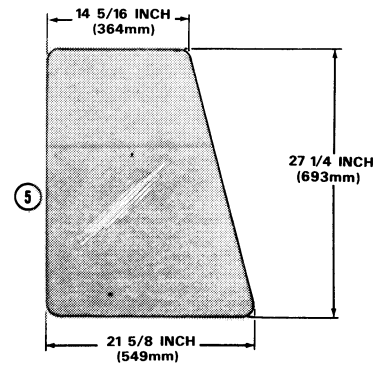
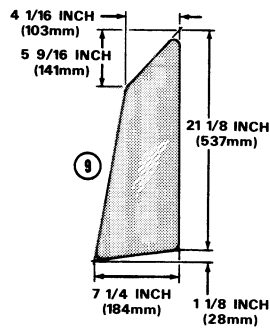
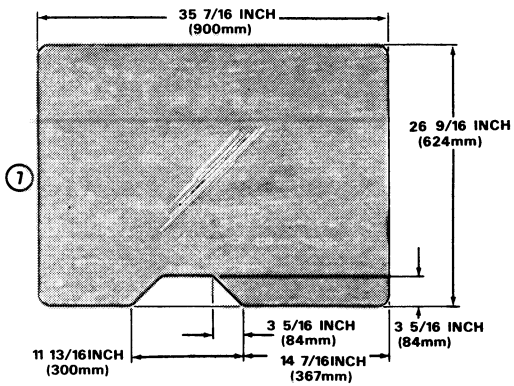
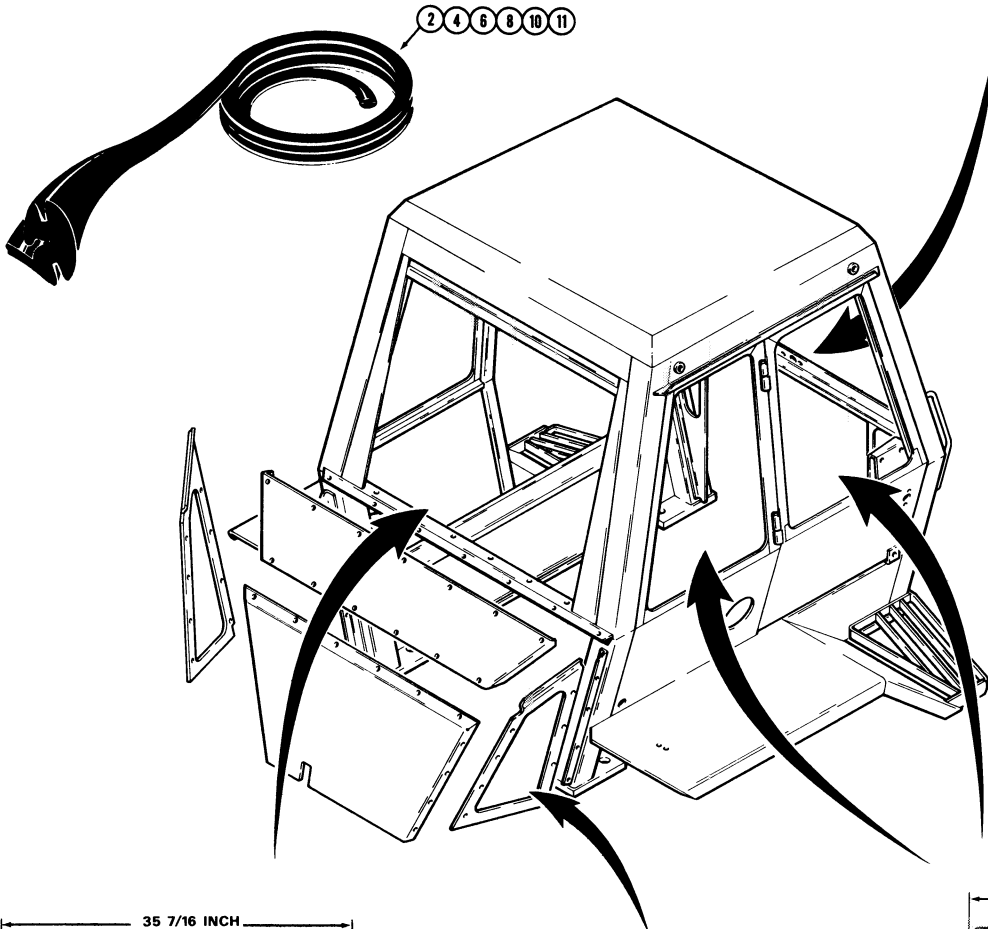
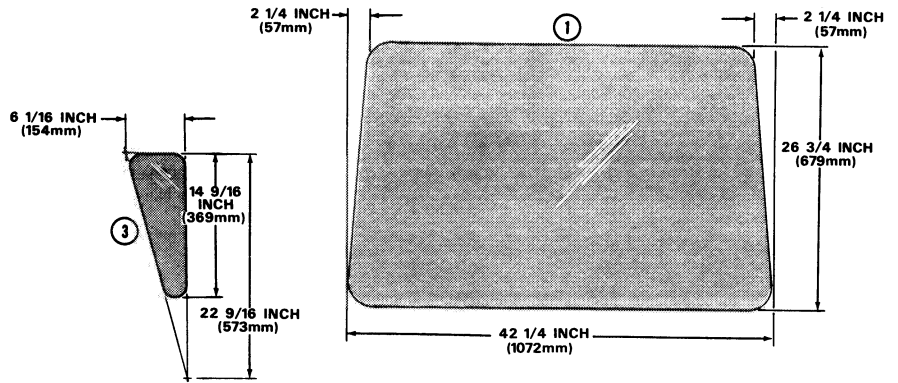
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 447

***OPERATOR'S CAB (CASE BUILT)
REAR WINDOW**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	F 93604	FRAME - rear window	1
2	F 93633	MOTOR - rear window wiper	1
3	F 42213	ARM - rear wiper, 16" (406 mm)	1
4	F 42214	BLADE - rear wiper, 18" (451 mm)	1
5	F 43217	HARNES - rear wiper	1
6	F 54095	CLIP - wire retaining	3
7	182- 516	SCREW - pan head, slotted, #10 - 24 NC x 1/2", plated	1
8	193- 70	WASHER - lock, shakeproof, #10, plated	2
9	129- 17	NUT - hex., #10 - 24 NC, plated	1
10	192- 20	WASHER - lock, 5/16", plated	2
11	129- 102	NUT - hex., 5/16" - 18 NC, plated	2
12	195- 521	WASHER - flat, 5/16"	2
13	F 42201	BEARING - rear window carrier	2
14	F 93658	TUBE - rear window guide	2
15	F 43239	PLUNGER - lock, rear window	2
16	F 62245	SPRING - plunger	2
17	138- 129	PIN - roll, 1/4" x 11/16"	2
18	138- 321	PIN - roll, 3/16" x 2", plated	2
19	195- 518	WASHER - flat, 1/4", plated	4
20	192- 19	WASHER - lock, 1/4", plated	4
21	129- 101	NUT - hex., 1/4" - 20 NC, plated	4
22	129- 148	NUT - hex., lock, 3/4" - 10 NC, plated	4
23	195- 545	WASHER - flat, 3/4", plated	4
24	F 93651	GUIDE - R.H., rear window	1
25	F 93652	GUIDE - L.H., rear window	1
27	F 43241	PLUNGER - guide	2
28	222- 1004	NUT - hex., 3/8" tube, inverted flare	2
29	F 93662	HANDLE - window guide, R.H.	1
30	F 93663	HANDLE - window guide, L.H.	1
31	132- 331	PIN - cotter, 3/32" x 5/8"	2
32	F 13404	BOLT - shoulder, 5/16" - 18 NC	2

*NOTE: Case built cabs may be identified by the J I Case Company serial number plate located in the top L.H. corner of the cab.

NOTE: ALL RADII ARE 1 3/16 INCH (30mm)



3 3/16 INCH

MODEL 680E CONSTRUCTION KING LOADER BACKHOE 449

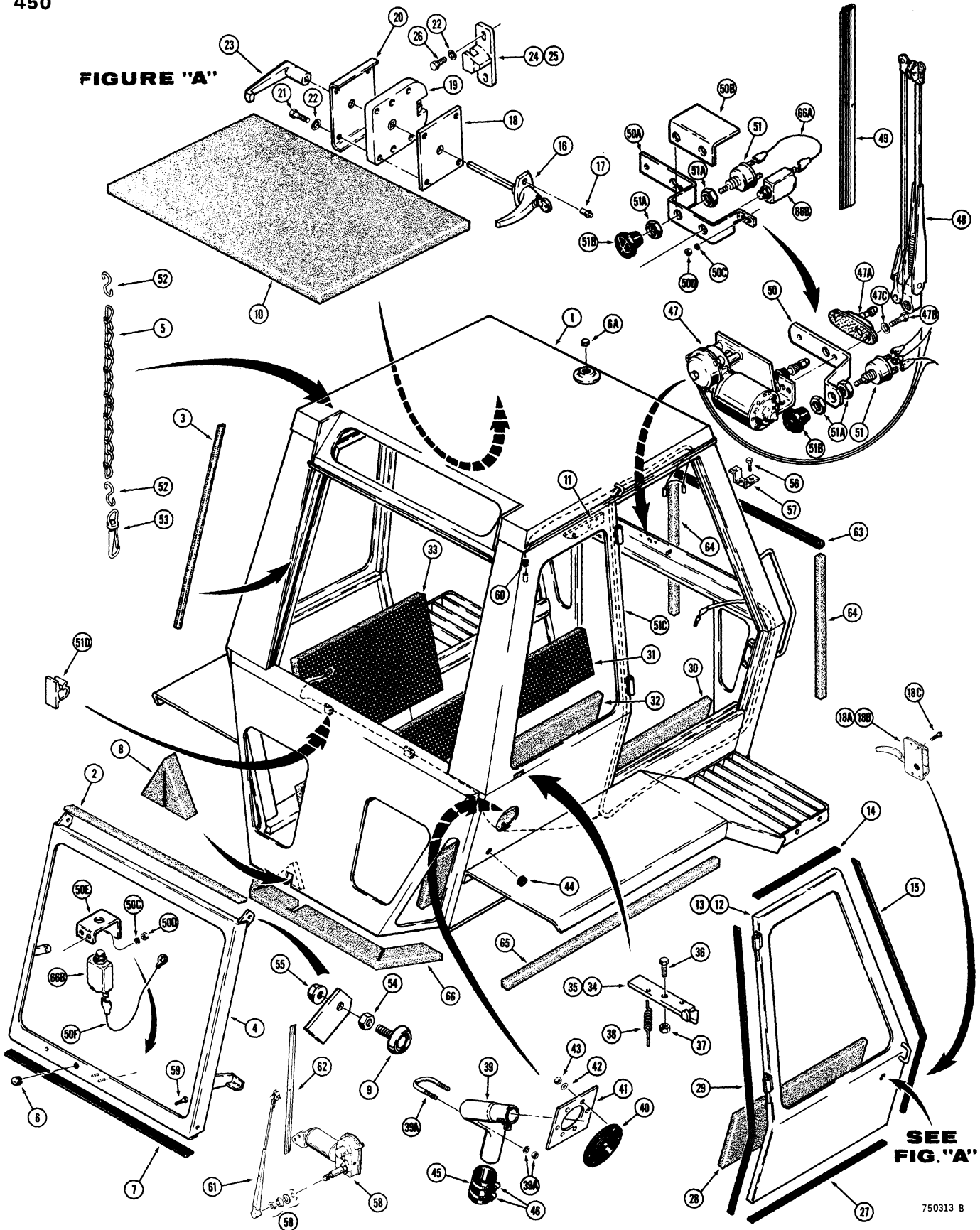
***OPERATOR'S CAB (CASE BUILT)
GLASS AND MOULDINGS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	GLASS - windshield	1
2	REF.	MOULDING - windshield, 131.6" (3343 mm) long, Cut from A42677 bulk moulding, see item 11	UAR
3	REF.	GLASS - window, cowl	2
4	REF.	MOULDING - cowl window, 35.6" (904 mm) long, Cut from A42677 bulk moulding, see item 11	UAR
5	REF.	GLASS - door and side windows	4
6	REF.	MOULDING - door window, 89.5" (2273 mm) long, Cut from A42677 bulk moulding, see item 11	4
7	REF.	GLASS - rear window	1
8	REF.	MOULDING - rear window, 125.4" (3185 mm) long, Cut from A42677 bulk moulding, see item 11	1
9	REF.	GLASS - backhoe closure panels	2
10	REF.	MOULDING - backhoe closure panel glass, 47-5/8" (1209 mm) long, Cut from A42677 bulk moulding, see item 11	2
11	A 42677	MOULDING - bulk material, 50 ft. (15 metres) roll	UAR

NOTE: All cab glass must be obtained from local sources. Order laminated safety glass to dimensions shown on opposite page.

***NOTE:** Case built cabs may be identified by the J I Case Company serial plate located in the top L.H. corner of the cab.

FIGURE "A"



SEE FIG. "A"

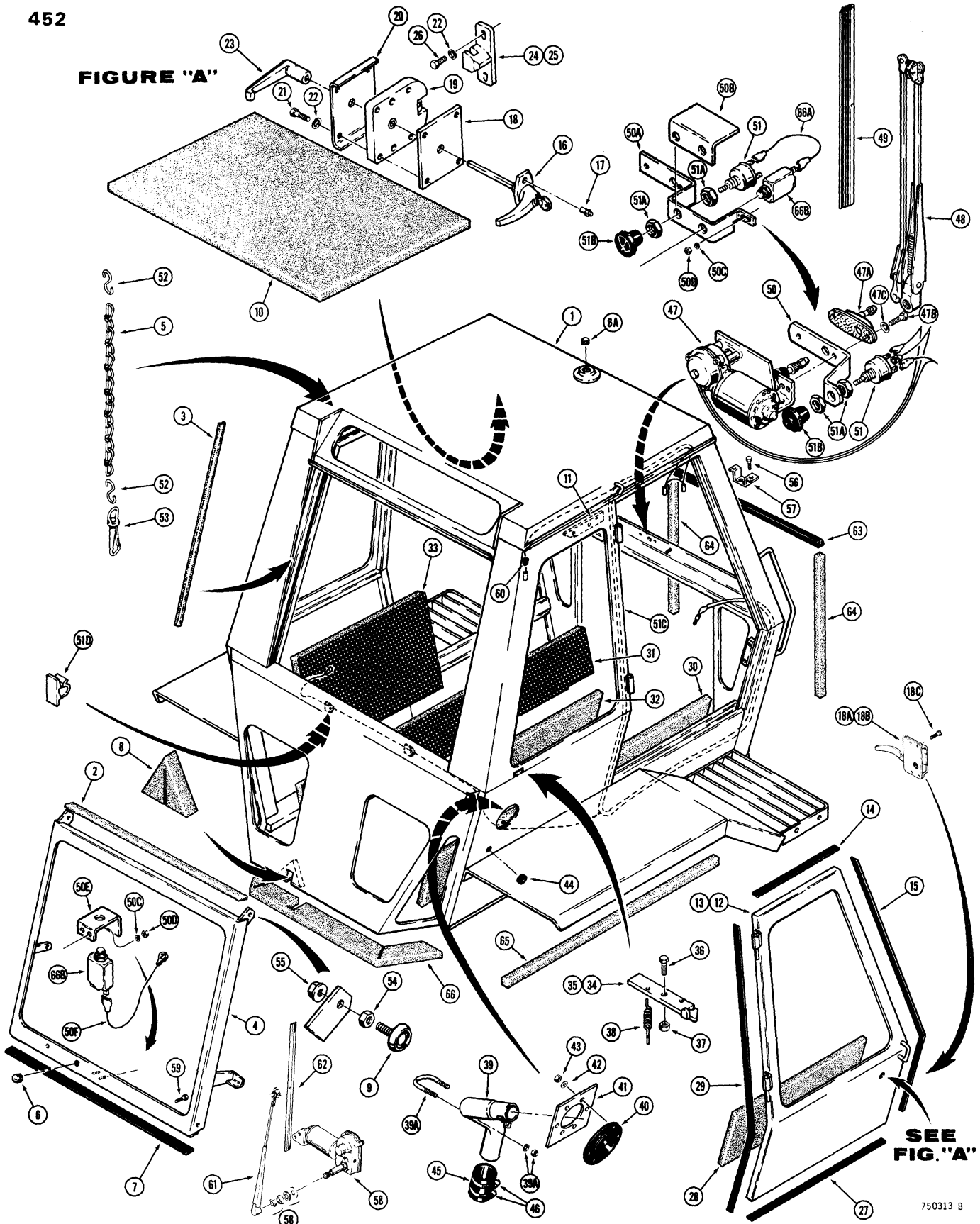
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 451

***OPERATOR'S CAB (SIMS BUILT)
DOORS AND WINDOWS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	*Mach. Item	CAB - operator's complete (Sims 1000-0405) See page 2 for ordering	1
1	NSS	FRAME - cab	1
2	REF.	FOAM - upper, roof, cut from L35801 bulk	1
3	REF.	GASKET - rear window, sides, 33" (838 mm) long, cut from L34759 bulk, see item 68	2
4	D 70592	REAR WINDOW - roll up	1
5	D 70605	CHAIN - rear window	1
6	205- 28	PLUG - button, if used	1
6A	353- 679	PLUG - button, if used	1
7	REF.	GASKET - rear window, bottom, 37" (536 mm) long, cut from L35819 bulk, see item 69	1
8	D 70600	FOAM - lower rear	1
9	D 70621	ROLLER - rear window	4
10	D 70604	FOAM - roof	1
11	L 35747	LATCH - holdback, rear	1
12	D 70606	DOOR - R.H.	1
13	D 70607	DOOR - L.H.	1
14	REF.	GASKET - door, top, 16" (406 mm) long, cut from D66499 bulk, see item 70	2
15	REF.	GASKET - door, front, 52" (1321 mm) long, cut from D66499 bulk, see item 70	2
16	D 70613	HANDLE - door, locking, 3" (76 mm) shaft, order keys from Sims under the number stamped on the lock and the key	2
16	D 71372	HANDLE - door, locking, 3-3/4" (95 mm) shaft, order keys from Sims under the number stamped on the lock and the key	2
17	D 70620	RIVET - drive	4
18	F 89824	LATCH - door, Early Production	2
18A	L 35737	LATCH - door, R.H., Late Production	1
18B	L 35738	LATCH - door, L.H., Late Production	1
18C	187- 994	SCREW - 1/4" - 20 NC x 3/4", if used	8
19	D 70615	BLOCK - latch, spacer, Early Production	2
20	D 70616	COVER - latch, Early Production	2
21	113- 5	HHCS - 1/4" - 20 NC x 1-1/2", Early Production	8
22	192- 19	WASHER - lock, 1/4", Early Production	12
23	D 70617	HANDLE - door, inner, Early Production	2
24	D 70618	STRIKER - door, R.H., Early Production	1
25	D 70619	STRIKER - door, L.H., Early Production	1
26	113- 3	HHCS - 1/4" - 20 NC x 3/4", Early Production	4
27	REF.	GASKET - door, bottom, 25" (635 mm) long, cut from D66499 bulk, see item 70	2
28	D 70603	FOAM - door	2
29	REF.	GASKET - door, rear, 50" (1270 mm) long, cut from D66499 bulk, see item 70	2
30	D 70601	FOAM - side panel, R.H., lower	1
31	D 70602	FOAM - side panel, L.H., lower	1
32	D 70598	FOAM - side panel, R.H., upper	1
33	D 70599	FOAM - side panel, L.H., upper	1

Continued on next page

FIGURE "A"



SEE FIG. "A"

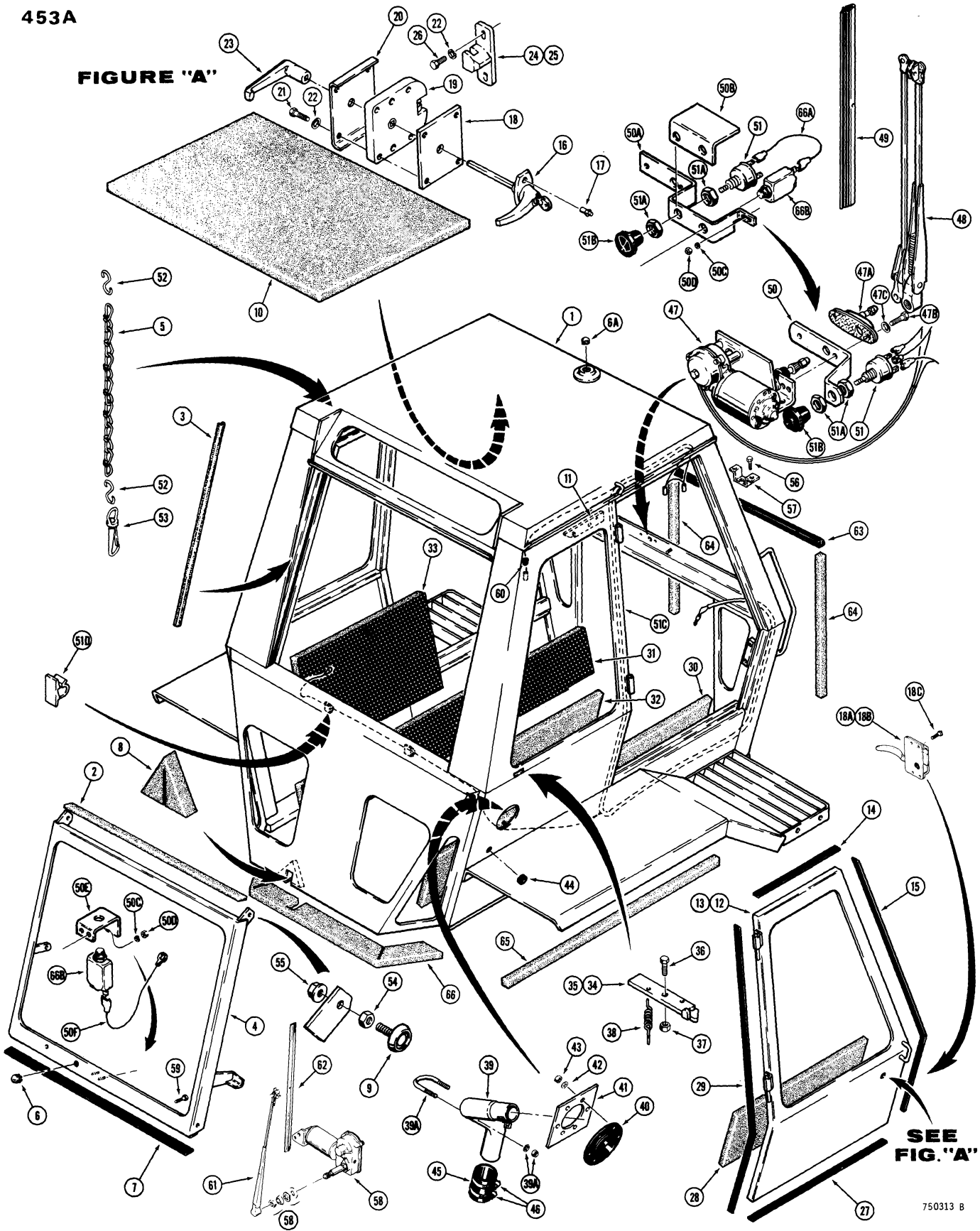
***OPERATOR'S CAB (SIMS BUILT)
DOORS AND WINDOWS**

REF.	PART NO.	DESCRIPTION	REQ'D.
34	D 70596	LATCH - hold back, R.H.	1
35	D 70595	LATCH - hold back, L.H.	1
36	113- 207	HHCS - 3/8" - 16 NC x 1"	2
37	131- 52	NUT - hex., self lock, 3/8" - 16 NC	2
38	L 35748	SPRING - latch	2
39	D 70597	PIPE - fuel filler, see page 65 for connecting hose	1
39A	A 13240	CLAMP - pipe, retaining (Includes hardware)	1
40	F 42990	BELLOWS - fuel filler pipe	1
41	D 70612	RETAINER - fuel filler	1
42	195- 102	WASHER - flat, 1/4"	6
43	129- 101	NUT - hex., 1/4" - 20 NC	6
44	D 72837	GROMMET - rubber	2
45	D 70622	HOSE - fuel filler	1
46	214- 261	CLAMP - hose	2
47	REF.	MOTOR - wiper, 24 volt, parts list page 99	1
47A	L 35753	ADAPTER - panograph, wiper	1
47B	113- 3	HHCS - 1/4" - 20 NC x 3/4"	2
47C	192- 15	WASHER - lock, 1/4"	2
48	L 35986	ARM - wiper, 16" (406 mm)	1
49	A 42580	BLADE - wiper, 16" (406 mm)	1
50	D 70609	BRACKET - switch, used before cab sn. 24364	1
50A	L 76555	BRACKET - switch, used on cab sn. 24364 and after	1
50B	L 76554	PLATE - switch, used on cab sn. 24364 and after	1
50C	192- 19	WASHER - lock, 1/4", plated, brackets	3
50D	129- 101	NUT - hex., 1/4" - 20 NC, plated, brackets	3
50E	L 77252	BRACKET - circuit breaker, rear wiper, if used	1
50F	D 78370	WIRE - rear breaker to rear wiper, if used	1
51	F 63532	SWITCH ASSEMBLY - wiper, includes 51A and 51B	1
51A	A 42561	NUT - hex., wiper switch	2
51B	A 42578	KNOB - wiper switch	2
51C	D 70623	HARNES - cab	1
51D	L 54606	CLIP - stick on	2
52	L 35834	HOOK - "S", rear window chain	1
53	L 35835	SNAP - chain	1
54	129- 145	NUT - lock, 1/2" - 13 NC	4
55	131- 912	NUT - flanged, 1/2" - 13 NC	4
56	D 72836	BRACKET - defroster mount	1
57	13- 512	HHCS - 5/16" - 18 NC x 3/4"	2
58	F 93633	MOTOR - wiper, rear	1
59	187- 988	BOLT - wiper ground	2
60	A 75994	GROMMET - wire	3
61	D 71195	ARM - wiper, rear	1
62	A 42580	BLADE - wiper, rear	1
63	REF.	RUBBER - mounting, 30" (762 mm) long, cut from L35840 bulk, see item 71	1
64	REF.	RUBBER - mounting, 29" (737 mm) long, cut from D70610 bulk, see item 72	2

Continued on next page

*NOTE: Sims built cabs may be identified by the Sims part numbers stamped on the cab serial number plate.

FIGURE "A"



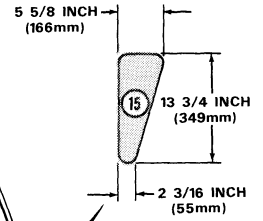
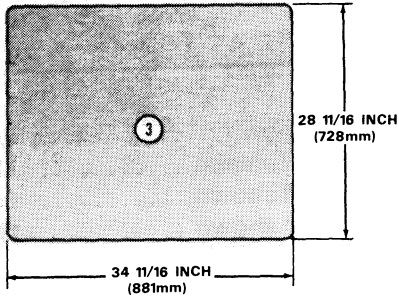
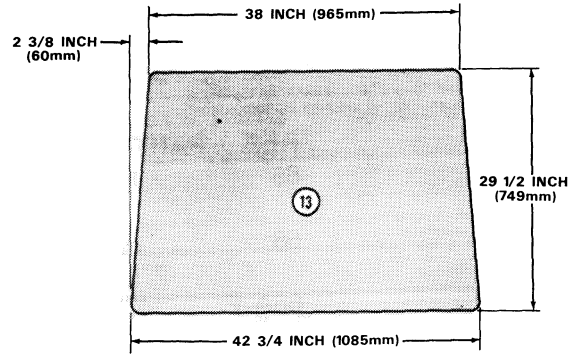
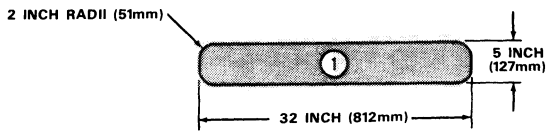
SEE FIG. "A"

MODEL 680E CONSTRUCTION KING LOADER BACKHOE 453B

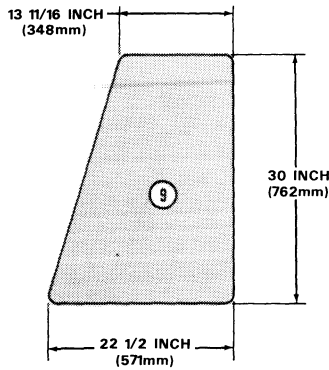
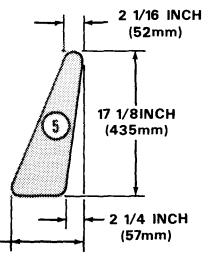
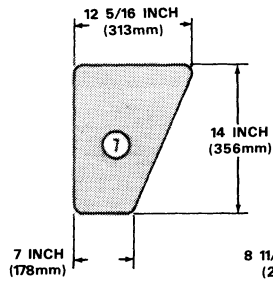
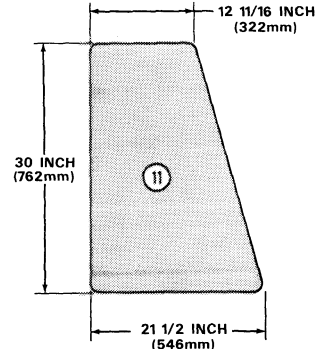
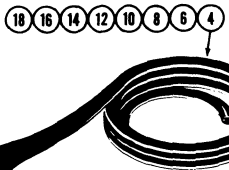
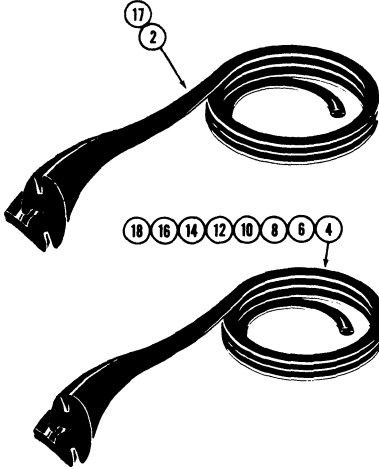
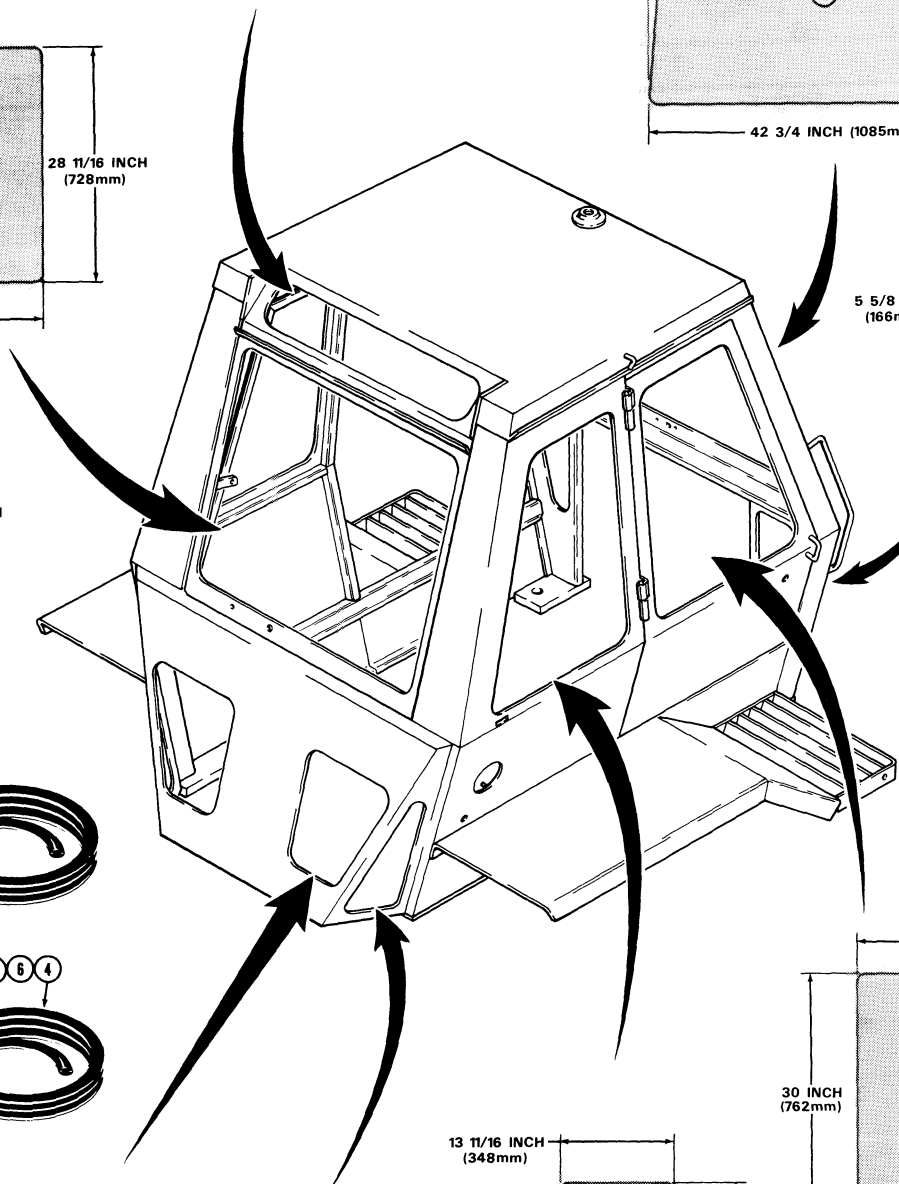
*OPERATOR'S CAB (SIMS BUILT) DOORS AND WINDOWS

REF.	PART NO.	DESCRIPTION	REQ'D.
65	REF.	RUBBER - mounting, 40" (1016 mm) long, cut from D71360 bulk, see item 73	2
66	REF.	RUBBER - mounting, 55-3/4" (1416 mm) long, cut from D71360 bulk, see item 73	1
66A	F 43266	WIRE - front breaker to wiper switch, if used	1
66B	L 76726	BREAKER - circuit, 3 ampres, if used	2
67	L 35801	FOAM - bulk, 50' (15 metres) roll, not shown	UAR
68	L 35759	GASKET - bulk, 50' (15 metres) roll, not shown	UAR
69	L 35819	GASKET - bulk, 50' (15 metres) roll, not shown	UAR
70	D 66499	GASKET - bulk, 50' (15 metres) roll, not shown	UAR
71	L 35840	RUBBER - bulk, 50' (15 metres) roll, not shown	UAR
72	D 70610	RUBBER - bulk, 50' (15 metres) roll, not shown	UAR
73	D 71360	RUBBER - bulk, 50' (15 metres) roll, not shown	UAR

*NOTE: Sims built cabs may be identified by the Sims part numbers stamped on the cab serial number plate.



NOTE: ALL RADII ARE 1 1/4 INCH (32mm) EXCEPT ITEM No 1



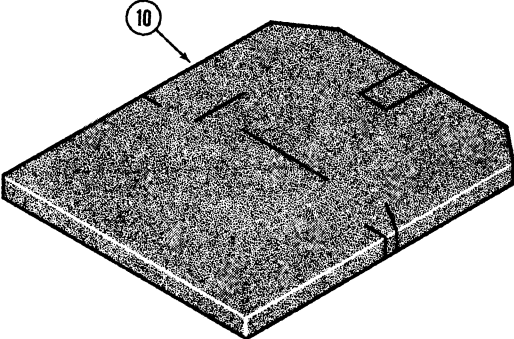
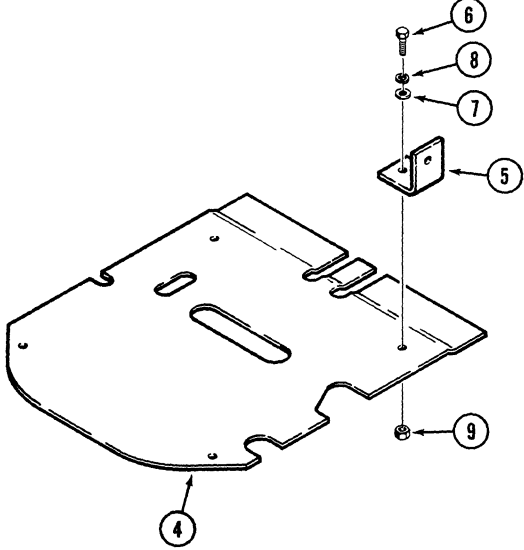
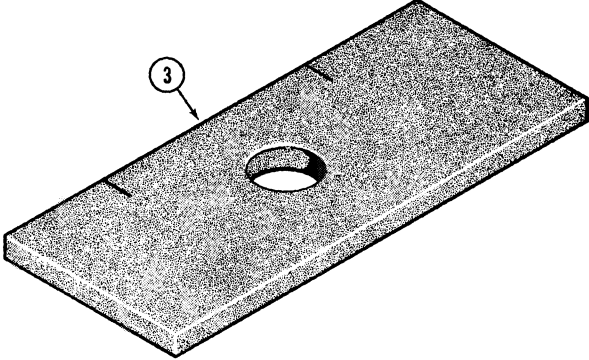
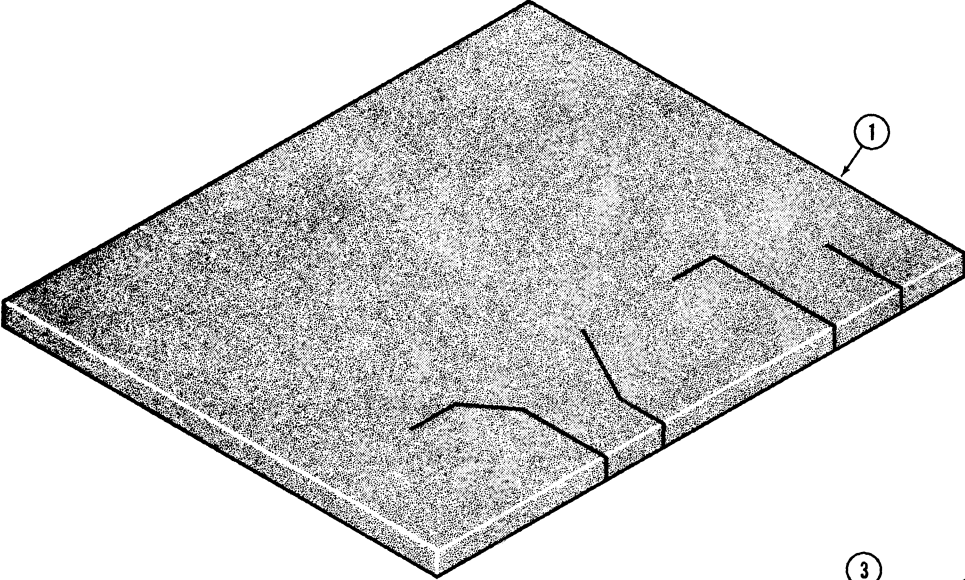
MODEL 680E CONSTRUCTION KING LOADER BACKHOE 455

***OPERATOR'S CAB (SIMS BUILT)
CAB GLASS AND MOULDING**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	GLASS - rear, upper	1
2	REF.	MOULDING - upper rear window, 77" (1956 mm) long, cut from L35717 bulk	1
3	REF.	GLASS - rear	1
4	REF.	MOULDING - rear window, 128" (3251 mm) long, cut from D70593 bulk	1
5	REF.	GLASS - rear, lower, outside	2
6	REF.	MOULDING - rear lower window, 36.25" (921 mm) long, cut from D70593 bulk	2
7	REF.	GLASS - rear, lower, inside	2
8	REF.	MOULDING - rear, lower, 36" (914 mm) long, cut from D70593 bulk	2
9	REF.	GLASS - side panel	2
10	REF.	MOULDING - side panel, 101" (2565 mm) long, cut from D70593 bulk	2
11	REF.	GLASS - door	2
12	REF.	MOULDING - door window, 108" (2743 mm) long, cut from D70543 bulk	2
13	REF.	GLASS - windshield	1
14	REF.	MOULDING - windshield, 144" (3658 mm) long, cut from D70593 bulk	1
15	REF.	GLASS - cowl, front	2
16	REF.	MOULDING - front cowl window, 34" (864 mm) long, cut from D70593 bulk	2
17	L 35717	MOULDING - bulk, 50' (15 metres) roll, not shown	UAR
18	D 70593	MOULDING - bulk, 50' (15 metres) roll, not shown	UAR

NOTE: All cab glass must be obtained from local sources. Order laminated safety glass to dimensions shown on opposite page.

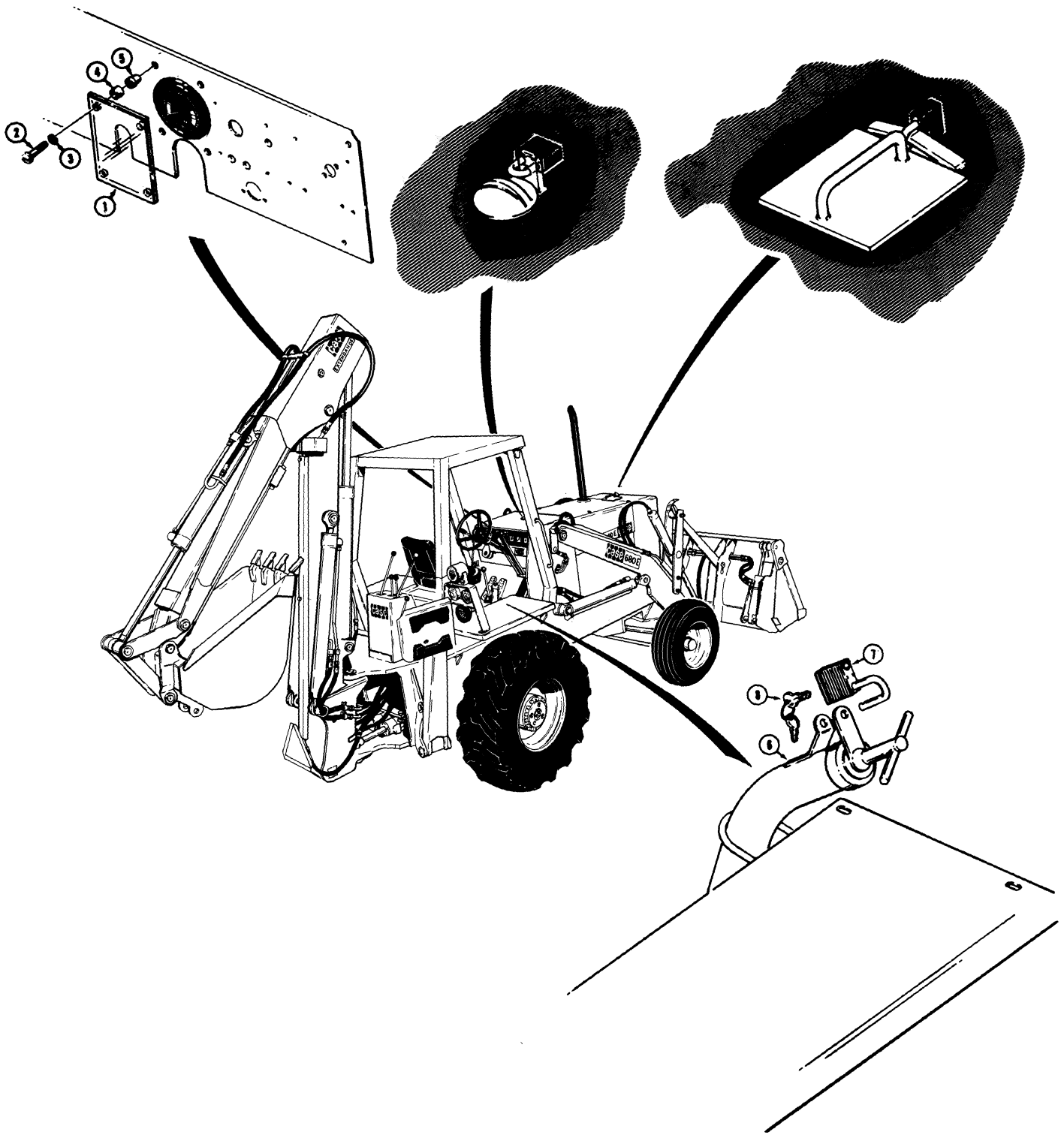
***NOTE:** Sims built cabs may be identified by the Sims part number stamped on the cab serial number plate.



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 457

NOISE REDUCTION PADS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 71578	PAD - firewall, heat and noise control	1
2	345- 57	CEMENT - for L71578 pad, 1 pint (.047 litre)	1
3	L 71579	PAD - instrument panel	1
4	L 71565	PLATE - pad support, backhoe console floor	1
5	L 71563	BRACKET - support plate to console	4
6	13- 516	HHCS - 5/16" - 18 NC x 1"	8
7	95- 5	WASHER - flat, 5/16"	8
8	92- 5	WASHER - lock, 5/16"	8
9	25- 105	NUT - hex., 5/16" - 18 NC	8
10	L 72272	PAD - floor, backhoe console	1



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 459

LOCKUP PARTS

REF. PART NO. DESCRIPTION REQ'D.

TACHOMETER GLASS LOCKUP

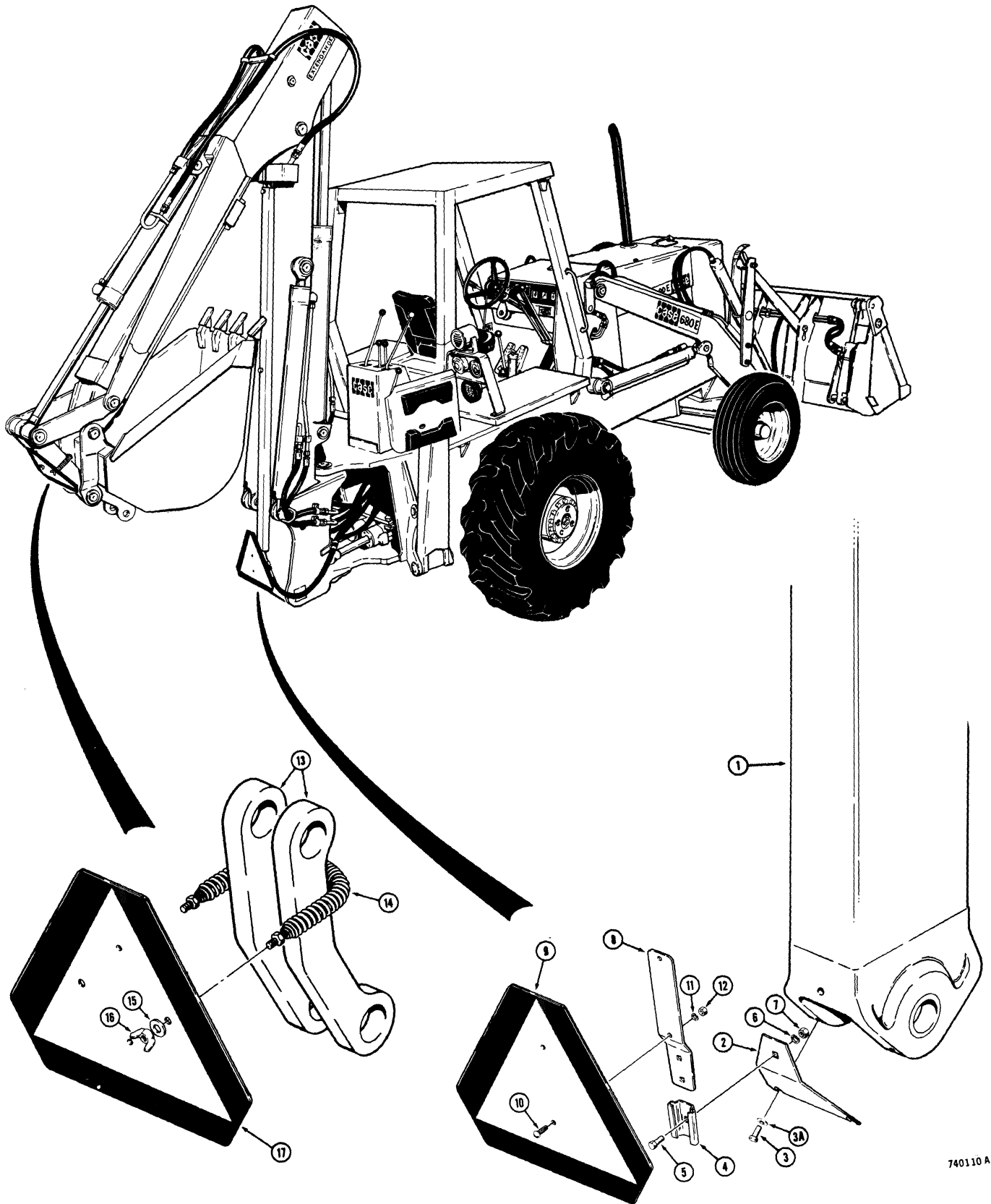
1	L	54570	COVER - tachometer glass.....	1
2	182-	208	SCREW - machine, pan head, 1/4" - 20 NC x 1-1/4"	4
3	92-	4	WASHER - lock, 1/4"	4
4	L	72459	SPACER - cover	4
5	151-	500	NUT - rivet, 1/4" - 20 NC	4

FUEL LOCKUP

6	L	58386	BRACKET - fuel filler lock, welded to filler neck.....	1
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LOCK AND KEY

7	R	29554	LOCK - padlock.....	3
8	R	29555	KEY - padlock	2



MODEL 680E CONSTRUCTION KING LOADER BACKHOE 461

**SLOW MOVING VEHICLE EMBLEM
EARLY PRODUCTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	BOOM - backhoe, see page 405 for related parts	1
2	L 58801	BRACKET - emblem mounting	1
3	14- 616	HHCS - 3/8" - 24 NF x 1", bracket mounting	2
3A	95- 6	WASHER - flat, 3/8"	2
4	A 60977	SOCKET - slow moving vehicle emblem	1
5	11- 716	BOLT - 7/16" - 14 NC x 1", socket mounting	1
6	92- 7	WASHER - lock, 7/16"	1
7	25- 107	NUT - hex., 7/16" - 14 NC	1
	A 59450	EMBLEM - slow moving vehicle	1
8	NSS	BRACKET - emblem	1
9	NSS	EMBLEM - slow moving vehicle, plate and decal	1
9	321- 1751	DECAL - slow moving vehicle	1
10	182- 125	SCREW - machine, pan head, #10 - 24 NC x 1/2", emblem to bracket	2
11	92- 3	WASHER - lock, #10	2
12	129- 7	NUT - hex., #10 - 24 NC	2

**SLOW MOVING VEHICLE EMBLEM
LATE PRODUCTION**

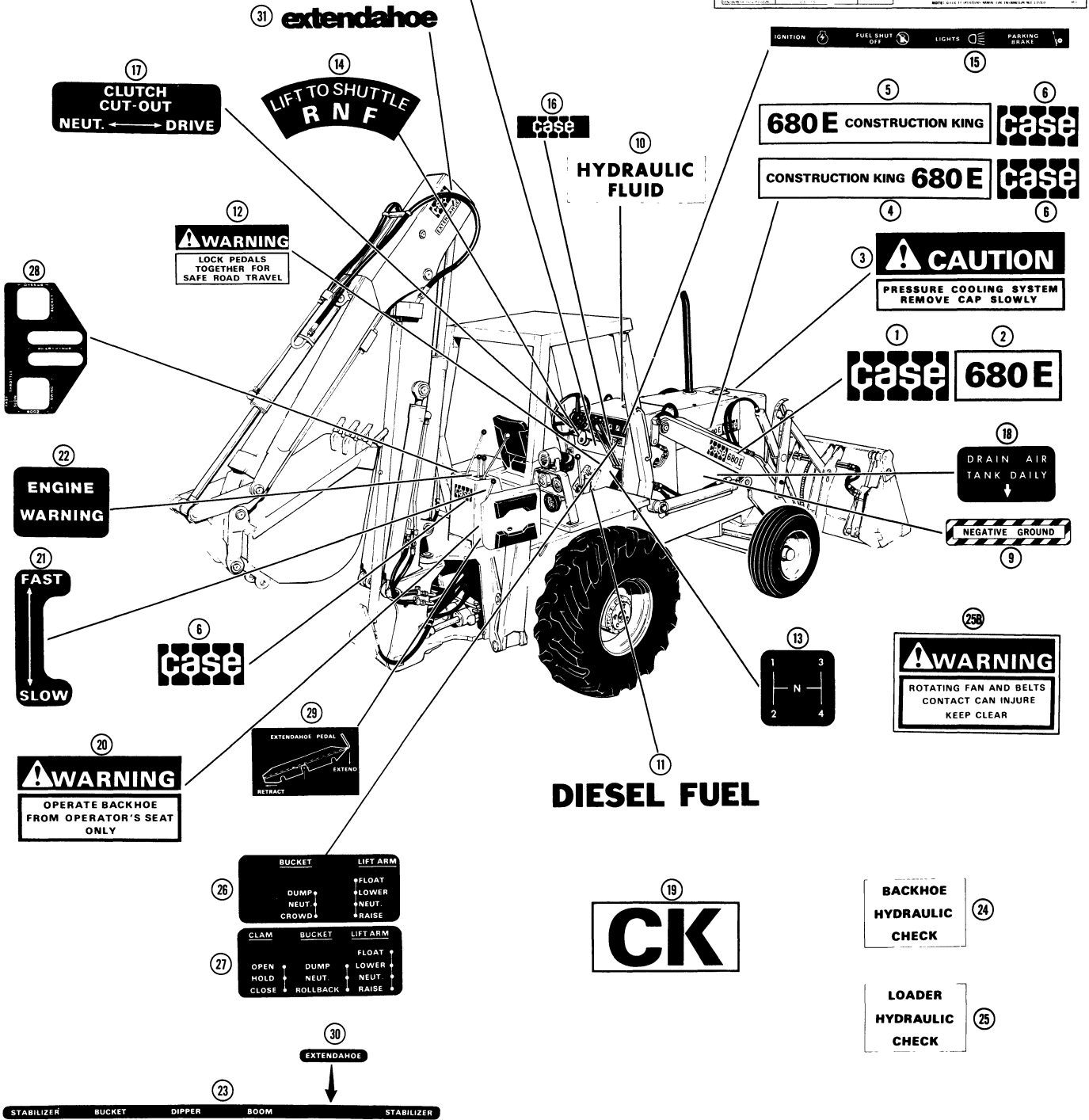
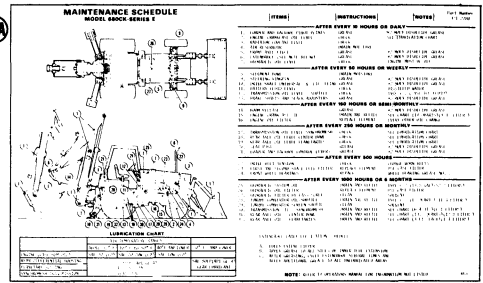
13	REF.	LINKS - backhoe buckets, see pages 241 and 243 for related parts	2
14	D 52564	SPRING - fastner, emblem	1
15	195- 518	WASHER - flat, plated	2
16	129- 409	NUT - wing, 1/4" - 20 NC, plated	2
17	D 52581	EMBLEM - slow moving vehicle, plate and decal	1
17	321- 1751	DECAL - slow moving emblem	1

8 J.I. CASE COMPANY... owns or is licensed under the following patents

2,759,996	2,422,241	3,224,044	3,657,713
2,767,420	2,428,274	3,294,274	3,688,342
2,781,748	2,440,243	3,342,428	3,688,379
2,792,840	2,462,852	3,344,106	3,688,381
2,797,186	2,463,407	3,376,372	3,539,545
2,800,048	2,463,862	3,349,128	3,539,545
2,810,193	2,468,002	3,410,325	CAN 339,777
2,811,174	2,468,002	3,410,325	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
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2,816,527	2,471,041	3,448,360	CAN 339,777
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2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777

7 J I Case Company... owns or is licensed under the following patents

2,759,996	2,422,241	3,224,044	3,657,713
2,767,420	2,428,274	3,294,274	3,688,342
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2,792,840	2,462,852	3,344,106	3,688,381
2,797,186	2,463,407	3,376,372	3,539,545
2,800,048	2,463,862	3,349,128	3,539,545
2,810,193	2,468,002	3,410,325	CAN 339,777
2,811,174	2,468,002	3,410,325	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777
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2,816,527	2,471,041	3,448,360	CAN 339,777
2,816,527	2,471,041	3,448,360	CAN 339,777



DECALS

*EARLY PRODUCTION

REF.	PART NO.	DESCRIPTION	REQ'D
	*L 36081	KIT - decal, repair	1
1	321- 1573	DECAL - "CASE", 5 inch (127 mm) lift arm	2
2	321- 2728	DECAL - "680E", lift arm	2
3	321- 3061	DECAL - warning, radiator pressure	1
4	321- 2730	DECAL - "CONSTRUCTION KING 680E", at R.H. hood side	1
5	321- 2731	DECAL - "680E CONSTRUCTION KING", at L.H. hood side	1
6	321- 1572	DECAL - "CASE", 4 inch (101 mm), at hood side, dipper side and console ..	5
7	321- 663	DECAL - patent, no longer used	1
8	321- 246	DECAL - patent, no longer used	1
9	321- 704	DECAL - negative ground	1
10	321- 229	DECAL - hydraulic fluid	1
11	321- 230	DECAL - diesel fuel	1
12	321- 3209	DECAL - warning, brake pedals	1
13	321- 1000	DECAL - transmission shift pattern	1
14	321- 2799	DECAL - forward - reverse lever	1
15	321- 2613	DECAL - cluster panel, R.H.	1
16	L 57685	DECAL - "CASE", R.H. panel	1
17	321- 2785	DECAL - clutch cut-out	1
18	321- 1077	DECAL - air tank drain	1
19	321- 1482	DECAL - "OK", at dipper sides	2
20	321- 3054	DECAL - operator warning, at backhoe	2
21	321- 2729	DECAL - backhoe throttle	1
22	321- 2721	DECAL - engine warning light	1
23	321- 2725	DECAL - backhoe controls, at console	1
24	321- 2798	DECAL - backhoe hydraulic check	1
25	321- 2797	DECAL - loader hydraulic check	1
25A	321- 4901	CHART - maintenance	1
25B	321- 3596	DECAL - warning, fan and belts	2
25C	151- 525	RIVET - used with item 25A	4
26	321- 2722	DECAL - bucket control, 2 spool valve	1
27	321- 2720	DECAL - bucket control, 3 spool valve	1
28	321- 2746	DECAL - dual lever control	1
29	321- 2747	DECAL - extendahoe control, models with twin levers	1
30	321- 2724	DECAL - extendahoe control, models with individual levers	1
31	321- 3139	DECAL - extendahoe	1

***NOTE:** This decal kit should be used on machines before tractor sn. 9118170 except for 9118139, 9118196, 9118250, 911253, 9118255, 9118261 and 9118262.



J.I. CASE COMPANY ... owns or is licensed under the following patents

2,742,791	2,735,889	2,722,274	2,558,472
2,756,766	2,749,252	2,745,474	2,568,571
2,770,961	2,762,267	2,747,078	2,584,517
2,784,988	2,766,802	2,748,876	2,589,189
2,811,951	2,834,017	2,841,729	2,625,262
2,816,714	2,868,862	2,842,205	2,646,771
2,833,524	2,879,117	2,842,961	2,661,418
2,865,751	2,927,441	2,848,861	2,678,417
2,888,001	2,944,218	2,849,617	2,693,521
2,895,951	2,958,148	2,850,897	2,706,521
2,902,481	2,988,411	2,851,881	2,719,521
2,918,801	2,998,261	2,852,248	2,734,521
2,928,801	3,028,516	2,852,801	2,749,521
2,938,801	3,058,771	2,853,354	2,764,521
2,948,801	3,089,026	2,853,907	2,779,521
2,958,801	3,119,281	2,854,460	2,794,521
2,968,801	3,149,536	2,855,013	2,809,521
2,978,801	3,179,791	2,855,566	2,824,521
2,988,801	3,210,046	2,856,119	2,839,521
2,998,801	3,240,301	2,856,672	2,854,521
3,008,801	3,270,556	2,857,225	2,869,521
3,018,801	3,300,811	2,857,778	2,884,521
3,028,801	3,331,066	2,858,331	2,899,521
3,038,801	3,361,321	2,858,884	2,914,521
3,048,801	3,391,576	2,859,437	2,929,521
3,058,801	3,421,831	2,860,000	2,944,521
3,068,801	3,452,086	2,860,553	2,959,521
3,078,801	3,482,341	2,861,106	2,974,521
3,088,801	3,512,596	2,861,659	2,989,521
3,098,801	3,542,851	2,862,212	3,004,521
3,108,801	3,573,106	2,862,765	3,019,521
3,118,801	3,603,361	2,863,318	3,034,521
3,128,801	3,633,616	2,863,871	3,049,521
3,138,801	3,663,871	2,864,424	3,064,521
3,148,801	3,694,126	2,864,977	3,079,521
3,158,801	3,724,381	2,865,530	3,094,521
3,168,801	3,754,636	2,866,083	3,109,521
3,178,801	3,784,891	2,866,636	3,124,521
3,188,801	3,815,146	2,867,189	3,139,521
3,198,801	3,845,401	2,867,742	3,154,521
3,208,801	3,875,656	2,868,295	3,169,521
3,218,801	3,905,911	2,868,848	3,184,521
3,228,801	3,936,166	2,869,401	3,199,521
3,238,801	3,966,421	2,869,954	3,214,521
3,248,801	3,996,676	2,870,507	3,229,521
3,258,801	4,026,931	2,871,060	3,244,521
3,268,801	4,057,186	2,871,613	3,259,521
3,278,801	4,087,441	2,872,166	3,274,521
3,288,801	4,117,696	2,872,719	3,289,521
3,298,801	4,147,951	2,873,272	3,304,521
3,308,801	4,178,206	2,873,825	3,319,521
3,318,801	4,208,461	2,874,378	3,334,521
3,328,801	4,238,716	2,874,931	3,349,521
3,338,801	4,268,971	2,875,484	3,364,521
3,348,801	4,299,226	2,876,037	3,379,521
3,358,801	4,329,481	2,876,590	3,394,521
3,368,801	4,359,736	2,877,143	3,409,521
3,378,801	4,389,991	2,877,696	3,424,521
3,388,801	4,420,246	2,878,249	3,439,521
3,398,801	4,450,501	2,878,802	3,454,521
3,408,801	4,480,756	2,879,355	3,469,521
3,418,801	4,511,011	2,879,908	3,484,521
3,428,801	4,541,266	2,880,461	3,499,521
3,438,801	4,571,521	2,881,014	3,514,521
3,448,801	4,601,776	2,881,567	3,529,521
3,458,801	4,632,031	2,882,120	3,544,521
3,468,801	4,662,286	2,882,673	3,559,521
3,478,801	4,692,541	2,883,226	3,574,521
3,488,801	4,722,796	2,883,779	3,589,521
3,498,801	4,753,051	2,884,332	3,604,521
3,508,801	4,783,306	2,884,885	3,619,521
3,518,801	4,813,561	2,885,438	3,634,521
3,528,801	4,843,816	2,885,991	3,649,521
3,538,801	4,874,071	2,886,544	3,664,521
3,548,801	4,904,326	2,887,097	3,679,521
3,558,801	4,934,581	2,887,650	3,694,521
3,568,801	4,964,836	2,888,203	3,709,521
3,578,801	4,995,091	2,888,756	3,724,521
3,588,801	5,025,346	2,889,309	3,739,521
3,598,801	5,055,601	2,889,862	3,754,521
3,608,801	5,085,856	2,890,415	3,769,521
3,618,801	5,116,111	2,890,968	3,784,521
3,628,801	5,146,366	2,891,521	3,799,521
3,638,801	5,176,621	2,892,074	3,814,521
3,648,801	5,206,876	2,892,627	3,829,521
3,658,801	5,237,131	2,893,180	3,844,521
3,668,801	5,267,386	2,893,733	3,859,521
3,678,801	5,297,641	2,894,286	3,874,521
3,688,801	5,327,896	2,894,839	3,889,521
3,698,801	5,358,151	2,895,392	3,904,521
3,708,801	5,388,406	2,895,945	3,919,521
3,718,801	5,418,661	2,896,498	3,934,521
3,728,801	5,448,916	2,897,051	3,949,521
3,738,801	5,479,171	2,897,604	3,964,521
3,748,801	5,509,426	2,898,157	3,979,521
3,758,801	5,539,681	2,898,710	3,994,521
3,768,801	5,569,936	2,899,263	4,009,521
3,778,801	5,600,191	2,899,816	4,024,521
3,788,801	5,630,446	2,900,369	4,039,521
3,798,801	5,660,701	2,900,922	4,054,521
3,808,801	5,690,956	2,901,475	4,069,521
3,818,801	5,721,211	2,902,028	4,084,521
3,828,801	5,751,466	2,902,581	4,099,521
3,838,801	5,781,721	2,903,134	4,114,521
3,848,801	5,811,976	2,903,687	4,129,521
3,858,801	5,842,231	2,904,240	4,144,521
3,868,801	5,872,486	2,904,793	4,159,521
3,878,801	5,902,741	2,905,346	4,174,521
3,888,801	5,932,996	2,905,899	4,189,521
3,898,801	5,963,251	2,906,452	4,204,521
3,908,801	5,993,506	2,907,005	4,219,521
3,918,801	6,023,761	2,907,558	4,234,521
3,928,801	6,054,016	2,908,111	4,249,521
3,938,801	6,084,271	2,908,664	4,264,521
3,948,801	6,114,526	2,909,217	4,279,521
3,958,801	6,144,781	2,909,770	4,294,521
3,968,801	6,175,036	2,910,323	4,309,521
3,978,801	6,205,291	2,910,876	4,324,521
3,988,801	6,235,546	2,911,429	4,339,521
3,998,801	6,265,801	2,911,982	4,354,521
4,008,801	6,296,056	2,912,535	4,369,521
4,018,801	6,326,311	2,913,088	4,384,521
4,028,801	6,356,566	2,913,641	4,399,521
4,038,801	6,386,821	2,914,194	4,414,521
4,048,801	6,417,076	2,914,747	4,429,521
4,058,801	6,447,331	2,915,300	4,444,521
4,068,801	6,477,586	2,915,853	4,459,521
4,078,801	6,507,841	2,916,406	4,474,521
4,088,801	6,538,096	2,916,959	4,489,521
4,098,801	6,568,351	2,917,512	4,504,521
4,108,801	6,598,606	2,918,065	4,519,521
4,118,801	6,628,861	2,918,618	4,534,521
4,128,801	6,659,116	2,919,171	4,549,521
4,138,801	6,689,371	2,919,724	4,564,521
4,148,801	6,719,626	2,920,277	4,579,521
4,158,801	6,749,881	2,920,830	4,594,521
4,168,801	6,780,136	2,921,383	4,609,521
4,178,801	6,810,391	2,921,936	4,624,521
4,188,801	6,840,646	2,922,489	4,639,521
4,198,801	6,870,901	2,923,042	4,654,521
4,208,801	6,901,156	2,923,595	4,669,521
4,218,801	6,931,411	2,924,148	4,684,521
4,228,801	6,961,666	2,924,701	4,699,521
4,238,801	6,991,921	2,925,254	4,714,521
4,248,801	7,022,176	2,925,807	4,729,521
4,258,801	7,052,431	2,926,360	4,744,521
4,268,801	7,082,686	2,926,913	4,759,521
4,278,801	7,112,941	2,927,466	4,774,521
4,288,801	7,143,196	2,928,019	4,789,521
4,298,801	7,173,451	2,928,572	4,804,521
4,308,801	7,203,706	2,929,125	4,819,521
4,318,801	7,233,961	2,929,678	4,834,521
4,328,801	7,264,216	2,930,231	4,849,521
4,338,801	7,294,471	2,930,784	4,864,521
4,348,801	7,324,726	2,931,337	4,879,521
4,358,801	7,354,981	2,931,890	4,894,521
4,368,801	7,385,236	2,932,443	4,909,521
4,378,801	7,415,491	2,932,996	4,924,521
4,388,801	7,445,746	2,933,549	4,939,521
4,398,801	7,476,001	2,934,102	4,954,521
4,408,801	7,506,256	2,934,655	4,969,521
4,418,801	7,536,511	2,935,208	4,984,521
4,428,801	7,566,766	2,935,761	4,999,521
4,438,801	7,597,021	2,936,314	5,014,521
4,448,801	7,627,276	2,936,867	5,029,521
4,458,801	7,657,531	2,937,420	5,044,521
4,468,801	7,687,786	2,937,973	5,059,521
4,478,801	7,718,041	2,938,526	5,074,521
4,488,801	7,748,296	2,939,079	5,089,521
4,498,801	7,778,551	2,939,632	5,104,521
4,508,801	7,808,806	2,940,185	5,119,521
4,518,801	7,839,061	2,940,738	5,134,521
4,528,801	7,869,316	2,941,291	5,149,521
4,538,801	7,899,571	2,941,844	5,164,521
4,548,801	7,929,826	2,942,397	5,179,521
4,558,801	7,960,081	2,942,950	5,194,521
4,568,801	7,990,336	2,943,503	5,209,521
4,578,801	8,020,591	2,944,056	5,224,521
4,588,801	8,050,846	2,944,609	5,239,521
4,598,801	8,081,101	2,945,162	5,254,521
4,608,801	8,111,356	2,945,715	5,269,521
4,618,801	8,141,611	2,946,268	5,284,521
4,628,801	8,171,866	2,946,821	5,299,521
4,638,801	8,202,121	2,947,374	5,314,521
4,648,801	8,232,376	2,947,927	5,329,521
4,658,801	8,262,631	2,948,480	5,344,521
4,668,801	8,292,886	2,949,033	5,359,521
4,678,801	8,323,141	2,949,586	5,374,521
4,688,801	8,353,396	2,950,139	5,389,521
4,698,801	8,383,651	2,950,692	5,404,521
4,708,801	8,413,906	2,951,245	5,419,521
4,718,801	8,444,161	2,951,798	5,434,521
4,728,801	8,474,416	2,952,351	5,449,521
4,738,801	8,504,671	2,952,904	5,464,521
4,748,801	8,534,926	2,953,457	5,479,521
4,758,801	8,565,181	2,954,010	5,494,521
4,768,801	8,595,436	2,954,563	5,509,521
4,778,801	8,625,691	2,955,116	5,524,521
4,788,801	8,655,946	2,955,669	5,539,521
4,798,801	8,686,201	2,956,222	5,554,521
4,808,801	8,716,4		

DECALS
***LATE PRODUCTION**

REF.	PART NO.	DESCRIPTION	REQ'D
	*L 36164	KIT - decal, items 9 and 12 are stick on type	1
	*L 36175	KIT - decal, items 9 and 12 are rivet on type	1
	*L 36180	KIT - decal, items 9 and 12 are rivet on type	1
1	321- 3061	DECAL - warning, radiator pressure	1
2	321- 663	DECAL - patent, no longer used	1
3	321- 246	DECAL - patent, no longer used	1
4	321- 704	DECAL - negative ground	1
5	321- 229	DECAL - hydraulic fluid	1
6	321- 230	DECAL - diesel fuel	1
7	321- 3209	DECAL - warning, brake pedals	1
8	321- 1000	DECAL - transmission shift pattern	1
9	321- 2799	DECAL - forward - reverse lever, stick on type	1
9	321- 4145	DECAL - forward - reverse lever, rivet on type	1
10	321- 2613	DECAL - cluster panel, R.H.	1
11	L 57685	DECAL - "CASE", R.H. panel	1
12	321- 2785	DECAL - clutch cutout, stick on type	1
12	321- 4146	DECAL - clutch cutout, rivet on type	1
13	321- 1077	DECAL - air tank drain	1
14		RESERVED	
15	321- 3054	DECAL - operator warning, at backhoe	2
16	321- 2729	DECAL - backhoe throttle	1
17	321- 2721	DECAL - engine warning light	1
18	321- 2725	DECAL - backhoe controls, at console	1
19	321- 2798	DECAL - backhoe hydraulic check	1
20	321- 2797	DECAL - loader hydraulic check	1
21	321- 4901	CHART - maintenance	1
22	321- 3069	DECAL - Construction King	2
23	321- 3090	DECAL - "CASE", R.H.	1
24	321- 3091	DECAL - "CASE", L.H.	1
25	321- 3087	DECAL - "CASE"	1
26	321- 3088	DECAL - "CASE"	1
27	321- 3089	DECAL - "CASE"	1
28	321- 3092	DECAL - 680E	2
28A	321- 3596	DECAL - warning, fan and belts	2
28B	321- 3705	DECAL - warning, read and study all safety messages before operating machine	1
28C	321- 4127	DECAL - warning, parking brake	1
28D	321- 4408	DECAL - loader safety strut, L 36175 Kit only	1
28E	151- 525	RIVET - for items 9 and 12, if used, part of L36175 Kit only, not shown	4
28F	321- 4633	DECAL - light switch, L36180 kit only	1
28G	321- 4632	DECAL - flood light caution, L36180 kit only	1
29	321- 3099	DECAL - "CASE"	1
30	321- 2722	DECAL - bucket control, 2 spool valve	1
31	321- 2720	DECAL - bucket control, 3 spool valve	1
32	321- 2746	DECAL - dual lever control	1
33	321- 2747	DECAL - extendahoe control, models with twin levers	1
34	321- 2724	DECAL - extendahoe control, models with individual levers	1
35	321- 2653	DECAL - cold start	1
36	151- 525	RIVET - maintenance chart, not shown	4

NOTE: L36164 Kit is used on tractor sn. 9118139, 9118916, 9118250, 9118255, 9118261, 9118262, 9118270 thru 9124838. L36175 Kit is used on tractor sn. 9124838 thru 9127825. L36180 Kit is used on sn. 9127825 and after.

HOSE AND FITTING ASSEMBLY CONVERSION PART NUMBERS

To make up a replacement hose line, find the CASE original equipment part number in the left hand column. To the right of this number are the component part numbers needed to assemble the replacement hose line.

ORIGINAL EQUIPMENT ASS'Y. NO.	BULK HOSE NO.	CUT HOSE LENGTH	USE FITTING NO.	USE FITTING NO.	ADDITIONAL PARTS REQUIRED
36547	A21573	15-3/4"	220-205	220-224	218-5006 "O" Ring
A58774	A21565	8-3/4"	220-123	220-123	
D39140	A21572	20-5/8"	220-203	220-263	
L48749	A21572	52-3/4"	220-203	220-224	
L48750	A21572	59"	220-203	220-223	
L50629	A21572	44-5/8"	220-204	220-251	
L53612	A21565	32-1/4"	220-103	220-103	
L53613	A21565	38-1/4"	220-103	220-103	
L54789	A21572	38-3/4"	220-203	220-251	
L54790	A21572	59-5/8"	220-203	220-203	
L55083	A21572	36-5/8"	220-203	220-203	
L55955	A21572	22-3/4"	220-199	220-199	
L57158	Use Original Equipment Hose Assembly No. L57158				
L57163	Use Original Equipment Hose Assembly No. L57163				
L57165	Use Original Equipment Hose Assembly No. L57165				
L57299	A21565	33-1/4"	220-103	220-103	
L57599	A21572	33-7/8"	220-251	220-251	
L57976	Use Original Equipment Hose Assembly No. L57976				
L58094	A21573	24-1/4"	220-199	220-199	
L58351	A21574	104-3/8"	220-245	220-245	
L58459	A21565	21-3/8"	220-103	220-123	
L58821	A21574	43-3/8"	220-245	220-245	
L58822	A21574	100-1/8"	220-206	220-206	
L59105	A21565	82-1/4"	220-103	220-103	
L59106	A21565	14-5/8"	220-184	220-103	218-5005 "O" Ring
L71566	A21572	15-7/8"	220-203	220-291	
L71567	A21572	22-5/8"	220-203	220-402	
L71568	Use Original Equipment Hose Assembly No. L71568				
L71569	A21575	24-1/2"	220-207	220-207	Use Sleeve From Old Hose
L73182	A21574	92"	220-206	220-206	
L76819	A21572	20-5/8"	220-252	220-203	
L77088	A21567	30-1/4"	220-114	220-114	
L77824	A21573	98-1/4"	220-238	220-199	Use Shield and Sleeve from Old Hose
L77825	A21573	54-1/4"	220-238	220-199	Use Shield and Sleeve from Old Hose
L78165	A21573	94-3/8"	220-245	220-245	Use Sleeve from Old Hose
T41362	A21573	24"	220-238	220-238	

MODEL 680E CONSTRUCTION KING LOADER BACKHOE

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NUMERICAL INDEX

PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.
10927	101	21	A 12928	187	34	A 14841	161	34
10927	103	18	A 13057	111	12	A 14844	159	33
16917	355	11	A 13058	111	10	A 14844	161	33
30364	345	3	A 13058	125	16	A 14850	159	17
30634	345	14	A 13059	111	11	A 14850	161	17
30634	347	3	A 13060	125	25	A 14853	159	16
30634	347	14	A 13088	111	3	A 14853	161	16
33261	387	9	A 13089	111	4	A 14854	159	11
36547	379	29	A 13090	111	7	A 14854	161	11
40025	143	35	A 13091	111	6	A 14855	159	12
40025	149	35	A 13092	111	5	A 14855	161	12
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L 35566	209	13	L 35597	215	39	L 35655	125	31
L 35566	213	13	L 35597	219	39	L 35657	125	
L 35566	217	13	L 35598	207	35	L 35657	125	
L 35567	205	14	L 35598	211	35	L 35675	125	5
L 35567	209	14	L 35598	215	36	L 35675	125	24
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L 35572	215		L 35600	219	37	L 35680	161	
L 35572	219		L 35601	207	43	L 35681	159	35
L 35573	213	32	L 35601	211	43	L 35681	163	35
L 35573	217	32	L 35601	215	44	L 35683	159	37
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L 35706	213	20	L 35962	217	19	L 36106	195	16
L 35706	217	20	L 35967	333	12	L 36106	197	16
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L 50592	137	3	L 54563	381	1	L 55451	395	17
L 50592	137	3	L 54563	383	1	L 55454	391	29
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L 53591	379	31	L 54786	285	18	L 55699	431	24
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L 55734	411	6	L 57029	407	59	L 57599	283	10
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L 55764	55	4	L 57036	75	23	L 57605	281	10
L 55774	79	23	L 57038	293	42	L 57607	281	8
L 55778	79	2	L 57038	297	29	L 57609	281	7
L 55778	175	12	L 57050	79	3	L 57611	281	23
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L 55786	429	18	L 57106	403	18	L 57616	281	12
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L 55808	123	31	L 57152	225	1	L 57696	403	9
L 55810	271	4	L 57152	227	10	L 57710	131	3
L 55810	273	4	L 57152	235	10	L 57714	131	5
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L 55818	275	4	L 57163	227	19	L 57799	81	40
L 55820	275	8	L 57165	235	18	L 57801	79	31
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L 55824	275	11	L 57176	227	17	L 57839	59	30
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L 55855	71	12	L 57298	387	17	L 57910	425	52
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L 55955	123	4	L 57528	113		L 58108	395	28
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