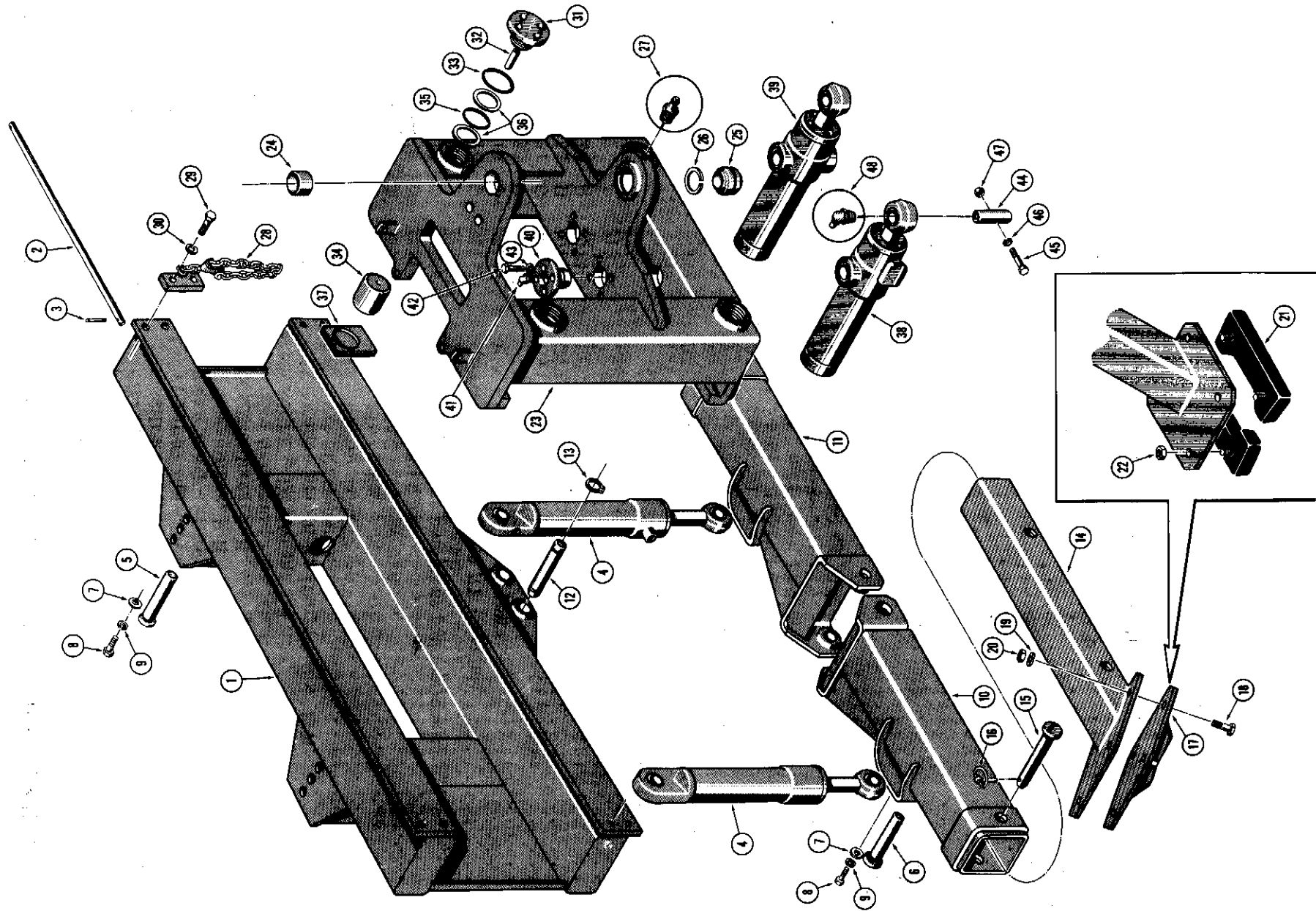


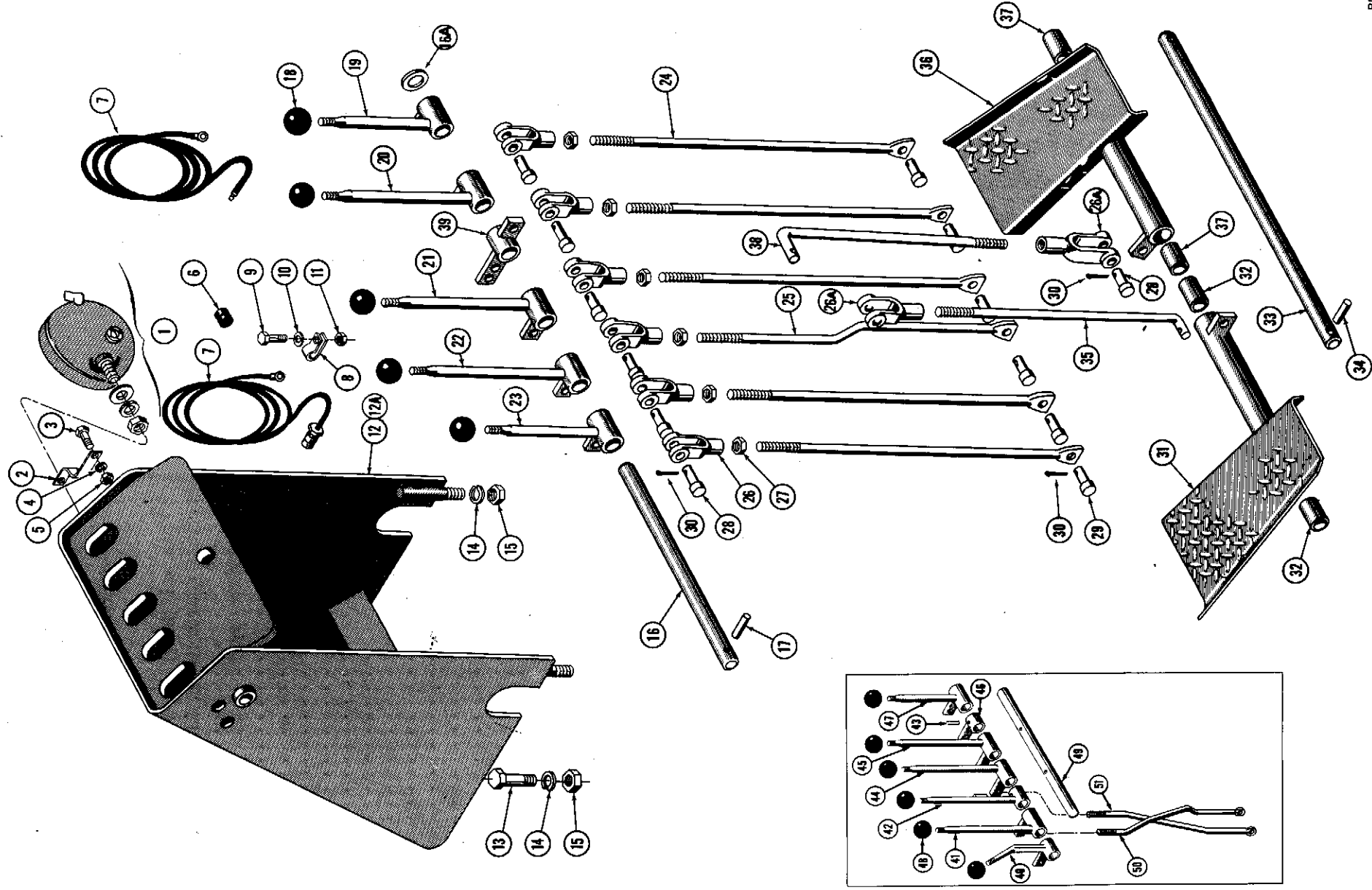
MOUNTING FRAME AND STABILIZERS

REF.	PART NO.	DESCRIPTION	REQ'D
1	D 30703	FRAME - mounting	1
1A	D 30661	STUD - backhoe mounting	2
2	D 30078	CHAIN - lock	2
3	D 21927	BUSHING - upper swing	1
4	D 23601	BUSHING - pivotal ball type	1
5	D 24431	SNAP RING - D23601 bushing	1
6	D 26908	LEG - stabilizer, R.H.	1
7	D 26909	LEG - stabilizer, L.H.	1
8	D 27187	PIN - leg to frame	2
9	D 25280	SNAP RING - D27187 pin	4
10	D 27754	CYLINDER - stabilizer (Parts list p. 137)	2
11	D 25079	PIN - cyl. to frame	2
12	D 25280	SNAP RING - D25079 pin	4
13	D 28037	PIN - cyl. to leg	2
14	D 25279	SNAP RING - D28037 pin	4
15	D 23313	FOOT - cleated pad	2
16	D 23326	FOOT - street or cemetery pad (optional)	2
17	D 32838	PAD - rubber (optional)	4
18	D 29712	NUT - hex., 7/16" - 20 NF (Special)	8
19	D 26104	PIN - foot (Includes snap rings)	2
20	D 26918	SNAP RING - D26104 pin	2
21	D 30745	CYLINDER - swing, R.H. (Parts list p. 137)	1
22	D 30746	CYLINDER - swing, L.H. (Parts list p. 137)	1
23	D 30724	PIN - swing cyl. (Two used on early production models)	2-4
23A	D 30725	PIN - swing cyl., lower (Early production only)	2
		Use 1-D30724 pin and 1-219-39 fitting	2
24	219- 39	FITTING - grease, 45° (1/8" NPT)	2-4
25	13- 832	HHCS - 1/2" - 13 NC x 2"	16
26	92- 8	WASHER - med. sect. lock (1/2")	16
27	219- 1	FITTING - grease, str. (1/8" NPT)	1
28	D 30761	PIN - swing cyl. at tower	2
29	13- 1064	HHCS - 5/8" - 11 NC x 4"	2
30	92- 10	WASHER - med. sect. lock (5/8")	2
31	25- 1010	NUT - hex. (5/8" - 11 NC)	2
32	219- 39	FITTING - grease, 45° (1/8" NPT)	2



MOUNTING FRAME AND STABILIZERS FOR MODEL 32-S BACKHOE

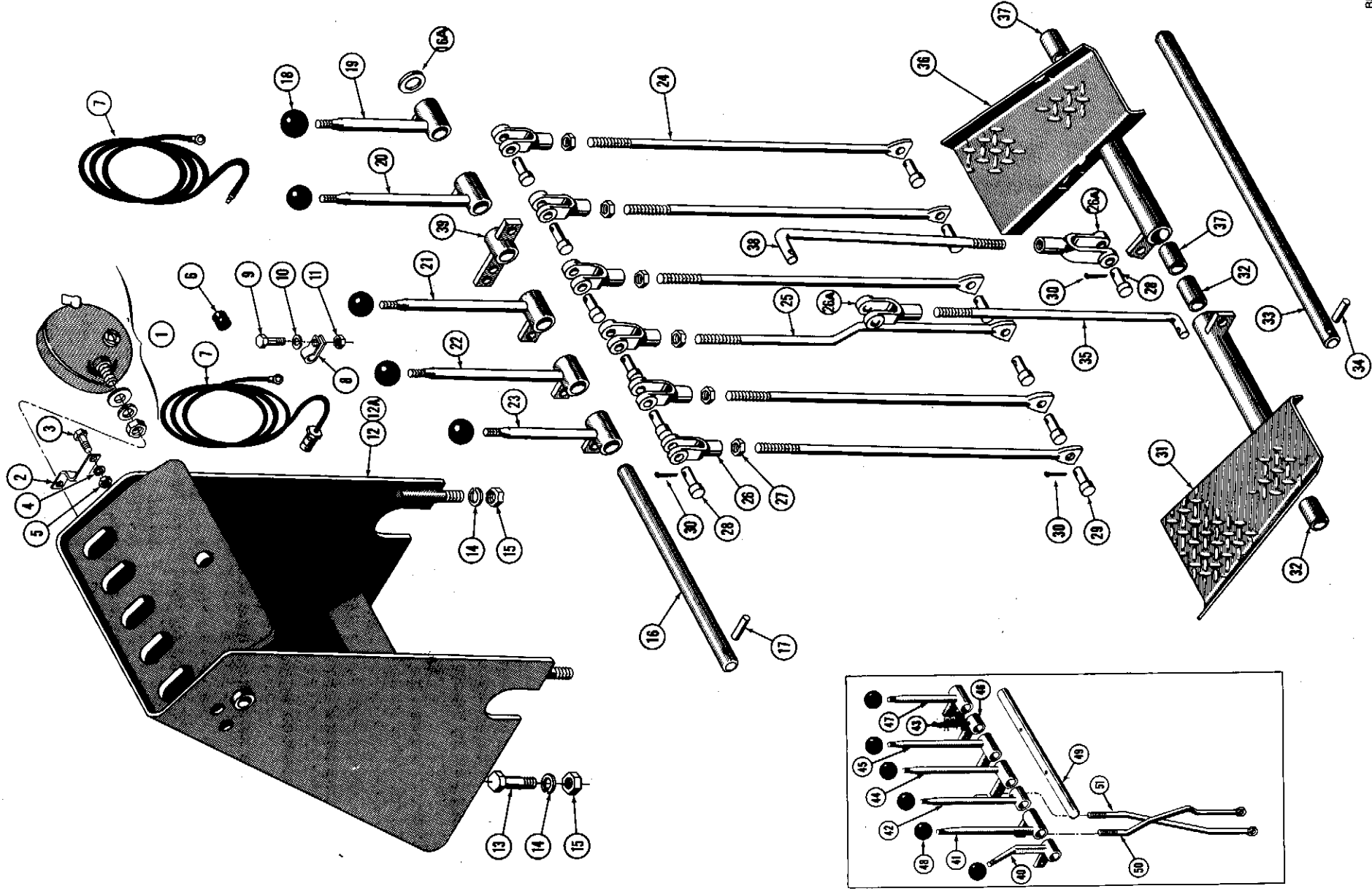
REF.	PART NO.	DESCRIPTION	REQ'D.
1 D	35604	FRAME - main	1
2 D	36801	ROD - support	1
3 132- 48		PIN - cotter (1/8" dia. x 1" long)	2
4 D	35683	CYLINDER - stabilizer (Parts list p. 137B)	2
5 D	35675	PIN - cylinder at frame	2
6 D	36710	PIN - cylinder at stabilizer leg	2
7	70523	WASHER - retaining	4
8 13- 1020		HHCS - 5/8" - 11 NC x 1-1/4"	4
9 92- 10		WASHER - med. sect. lock (5/8")	4
10 D	35582	LEG - stabilizer, L.H.	1
11 D	35583	LEG - stabilizer, R.H.	1
12 D	35680	PIN - stabilizer leg	2
13 D	25280	RING - retaining	4
14 D	35572	EXTENSION - stabilizer leg	2
15 D	35569	PIN - stabilizer leg extension	2
16 D	33805	PIN - special locking	2
17 D	35563	FOOT - stabilizer	2
18 14- 724		HHCS - 7/16" - 20 NF x 1-1/2"	8
19 92- 7		WASHER - med. sect. lock (7/16")	8
20 25- 117		NUT - hex. (7/16" - 20 NF)	8
21	32838	PAD - rubber, optional	4
22 D	29712	NUT - hex., special (7/16" - 20 NF)	8
23 D	35601	FRAME - sliding	1
24 D	21927	BUSHING - upper swing	1
25 D	23601	BUSHING - pivotal ball type	1
26 D	24431	RING - retaining, lower bushing	1
27 219- 1		FITTING - grease, str. (1/8" NPT)	1
28 D	37183	CHAIN AND BLOCK - locking	2
29 13- 1020		HHCS - 5/8" - 11 NC x 1-1/4"	4
30 92- 10		WASHER - med. sect. lock (5/8")	4
31 D	35580	COVER - locking cylinder	4
32 138- 210		PIN - roll, D35580 cover (1/2" x 3")	4
33 G	15457	SEAL - "O" ring, cover	4
34 D	35523	PISTON - locking cylinder	4
35 R	13774	SEAL - "O" ring, tube	4
36 D	35889	RING - leather back-up, tube seal	8
37 D	35540	SHOE - locking	4
38 D	36878	CYLINDER - swing, L.H. (Parts list p. 137B)	1
39 D	36879	CYLINDER - swing, R.H. (Parts list p. 137B)	1
40 D	30724	PIN - swing cylinder	4
41 219- 39		FITTING - grease, 45° (1/8" NPT)	4
42 13- 832		HHCS - 1/2" - 13 NC x 2"	16
43 92- 6		WASHER - med. sect. lock (1/2")	16
44 D	30761	PIN - swing cylinder at tower	2
45 13- 1064		HHCS - 5/8" - 11 NC x 4"	2
46 92- 10		WASHER - med. sect. lock (5/8")	2
47 25- 1010		NUT - hex. (5/8" - 11 NC)	2
48 219- 39		FITTING - grease, 45° (1/8" NPT)	2



CONTROL LEVERS AND LINKAGE

REF.	PART NO.	DESCRIPTION	REQ'D
1 A	20965	LIGHT - tail, 12 volt (Parts list p. 143)	1
2 D	30662	BRACKET - taillight	1
3 13-	816	HHCS - 1/2" - 13 NC x 1"	1
4 92-	8	WASHER - med. sect. lock (1/2")	1
5 25-	108	NUT - hex. (1/2" - 13 NC)	2
6	49561	GROMMET	1
7 D	31545	WIRE - taillight, 63" long with large connector (Model 32 Backhoe only)	1
D	38477	WIRE - taillight, 60" long with bullet connector (Model 32 Backhoe only)	1
D	36697	WIRE - taillight, 90" long with large connector (Model 32S Backhoe only)	1
8 G	16005	CLIP - taillight wire (if used)	1
9 13-	616	HHCS - 3/8" - 16 NC x 1" (if used)	1
10 92-	6	WASHER - med. sect. lock (3/8") If used	1
11 25-	106	NUT - hex. (3/8" - 16 NC) If used	1
12 D	30826	SHIELD - control rods (Used on Model 32 and 32S Backhoe with or without Draft-O-Matic)	1
12A D	31364	SHIELD - control rods (With Draft-O-Matic on 32 Backhoe only)	1
13 13-	628	HHCS - 3/8" - 16 NC x 1-3/4"	2
14 92-	6	WASHER - med. sect. lock (3/8")	4
15 25-	106	NUT - hex. (3/8" - 16 NC)	4
16 D	30817	SHAFT - control levers	1
16A 195-	2097	WASHER - spacer	UAR
17 138-	98	ROLL PIN - D30817 shaft (3/16" dia. x 1-1/4" long)	1
18	70213	KNOB - control levers	5
19 D	30811	LEVER - L.H. stabilizer control	1
20 D	30812	LEVER - boom control, long throw (Used before backhoe serial no. 4087001)	1
D	32642	LEVER - boom control, short throw (Used on backhoe serial no. 4087001 and after)	1
21 D	30813	LEVER - dipper arm control, long throw (Used before serial no. 4087001)	1
D	32641	LEVER - dipper arm control, short throw (Used on backhoe serial no. 4087001 and after)	1
22 D	30814	LEVER - bucket control, long throw (Used before backhoe serial no. 4087001)	1
D	32640	LEVER - bucket control short throw (Used on backhoe serial no. 4087001 and after)	1
23 D	30815	LEVER - R.H. stabilizer control	1
24 D	30821	ROD - to valve, str. (Model 32 Backhoe only)	5
D	35531	ROD - to valve, str. (Model 32S Backhoe only)	5
25 D	30823	ROD - to valve, bent (Model 32 Backhoe only)	1
D	35530	ROD - to valve, bent (Model 32S Backhoe only)	1
26 213-	4	YOKE - control levers	6
26A D	37600	YOKE - swing control rods	2
27 25-	156	NUT - hex., jam (3/8" - 24 NF)	6
28 141-	4	PIN - eye, 213-4 yoke	7
29 141-	3	PIN - eye, rods	6
30 132-	25	PIN - cotter (3/32" x 5/8")	15
31 D	30710	PEDAL - swing, R.H. (Left swing)	1
32 D	30706	BUSHING - swing pedal	2
33 D	32056	SHAFT - swing pedals	1
34 138-	102	ROLL PIN - 3/16" x 1-3/4"	1

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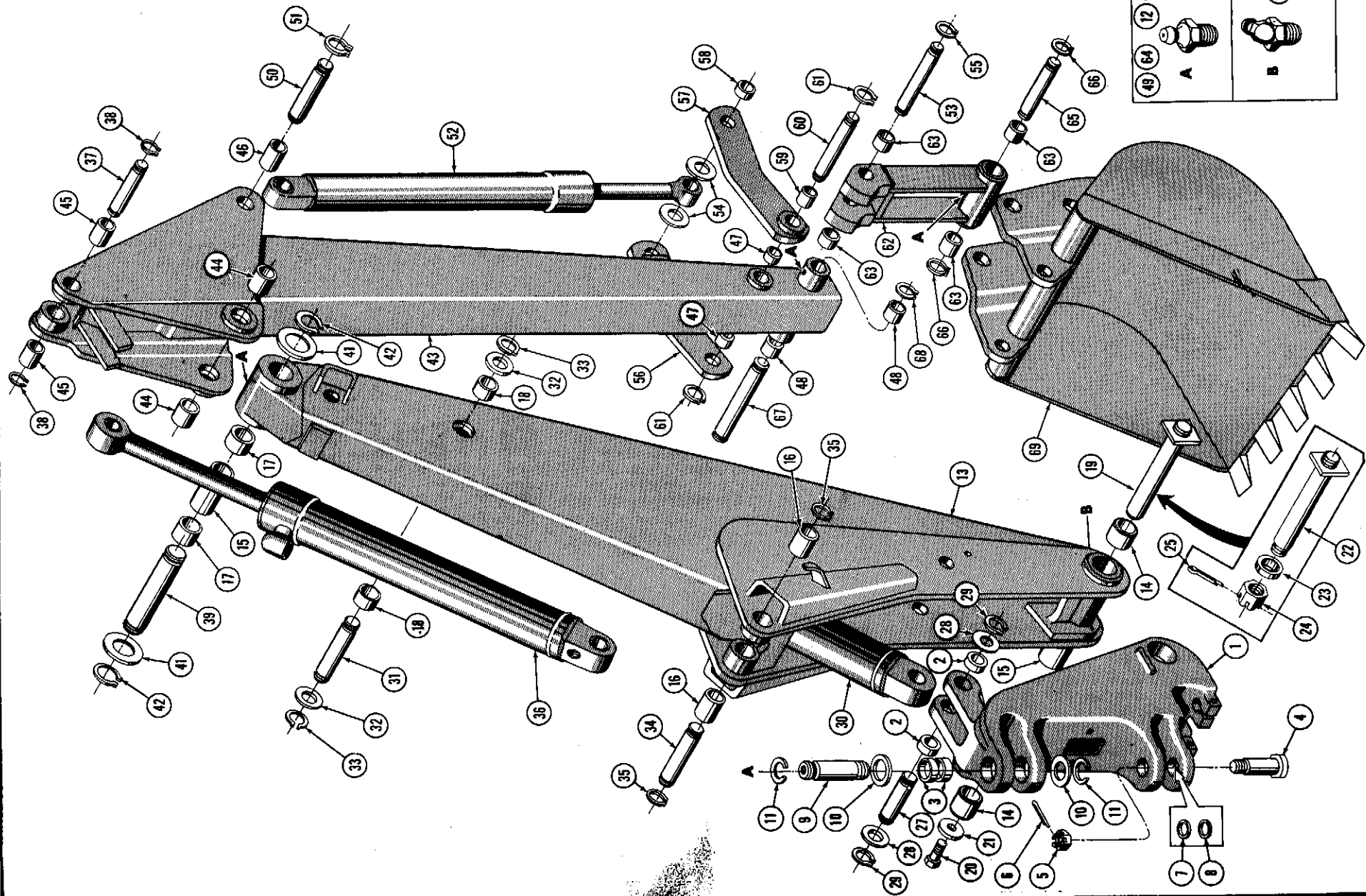


CONTROL LEVERS AND LINKAGE

REF.	PART NO.	DESCRIPTION	REQ'D
35 D	30819	ROD - swing control, front (R.H. pedal)	1
36 D	30711	PEDAL - swing, L.H.-(Right swing)	1
37 D	30706	BUSHING - swing pedal	2
38 D	21762	ROD - swing control, rear (L.H. pedal)	1
39 D	30816	PIVOT - swing control	1

HAND SWING CONTROL PARTS (MODEL 32 BACK-HOE ONLY)

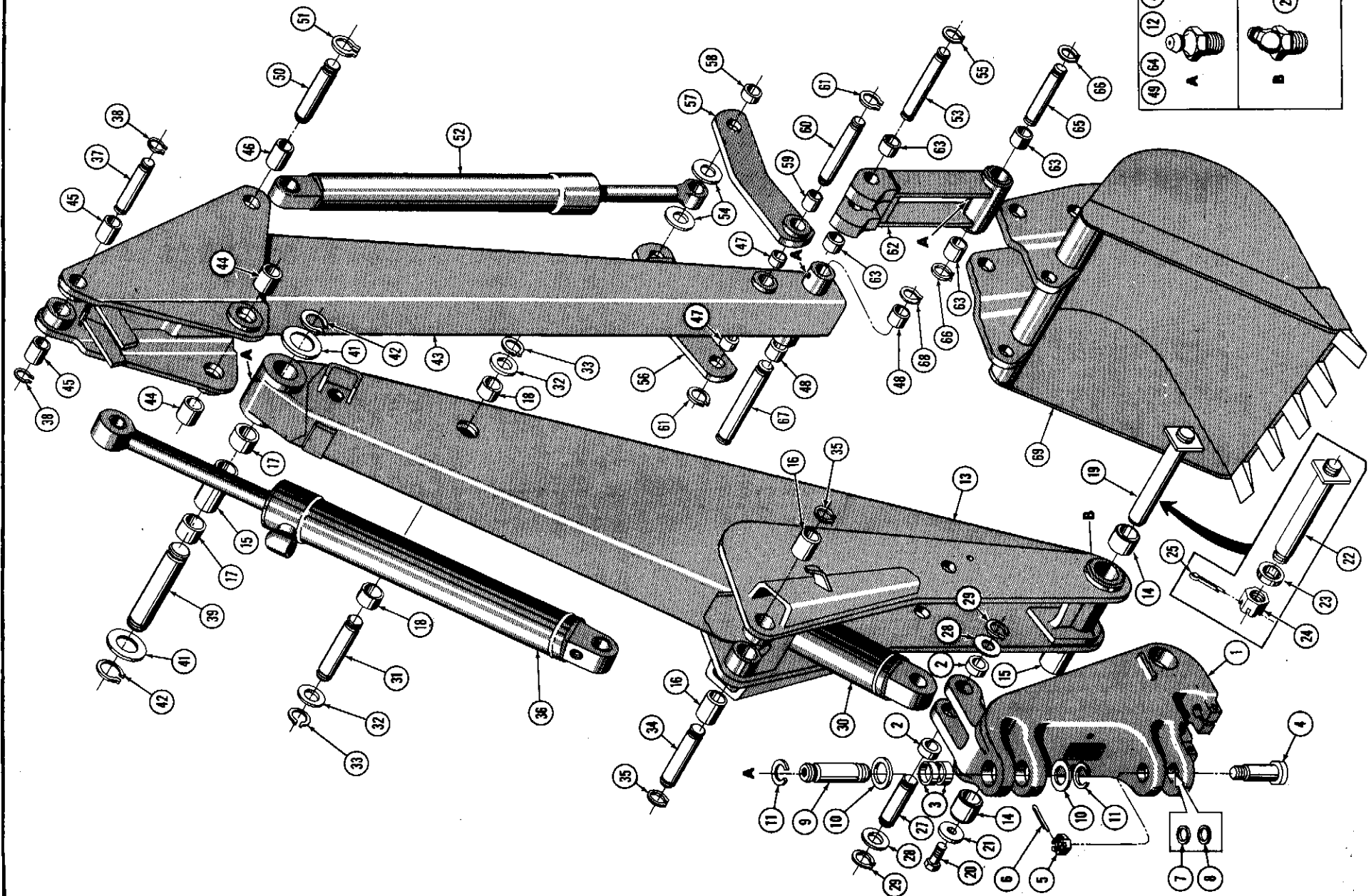
40 D	32401	LEVER - R.H. stabilizer control	1
41 D	32402	LEVER - dipper arm control	1
42 D	32403	LEVER - boom control	1
43 138- 137		ROLL PIN - 1/4" x 1-3/8"	2
44 D	32640	LEVER - bucket control	1
45 D	32404	LEVER - swing control	1
46 D	32431	ARM - lever, boom control	1
47 D	30811	LEVER - L.H. stabilizer control	1
48	70213	KNOB - control levers	6
49 D	32405	SHAFT - control levers	1
50 D	32406	ROD - dipper control lever to valve	1
51 D	32407	ROD - bucket control lever to valve	1



BACKHOE MECHANICAL PARTS

REF.	PART NO.	DESCRIPTION	REQ'D
1	D 30748	TOWER - swing	1
2	D 33047	BUSHING - at boom cyl.	2
3	D 30756	BUSHING - at mtg. frame	2
4	D 30760	BOLT - mounting (Special)	1
5	129- 234	NUT - slotted shear hex. (1-1/2" - 12 NF)	1
6	132- 154	PIN - cotter (1/4" dia. x 2" long)	1
7	D 23907	SPACER - brg., 5/16" thick	UAR
8	D 26991	SPACER - brg., 1/4" thick	UAR
9	D 30763	PIN - at mtg. frame, upper	1
10	D 25509	WASHER - D30763 pin (2-1/64" I.D. x 3" O.D. x 7/64" thick)	1
11	D 26919	SNAP RING - D30763 pin	2
12	219- 1	FITTING - grease, str. (1/8" NPT)	2
13	D 30840	BOOM - backhoe	1
14	36121	BUSHING - at swing tower	2
15	D 33184	SPACER - 36121 bushings (If used)	1
16	D 25029	BUSHING - at crowd cyl. (When stock is exhausted, use D34109)	2
	D 34109	BUSHING - at crowd cyl.	2
17	36121	BUSHING - at dipper arm	2
18	D 25258	BUSHING - at boom cyl. (When stock is exhausted, use D35071)	2
	D 35071	BUSHING - at boom cyl.	2
19	D 30758	PIN - pivot, tower to boom (Used before backhoe serial no. 4082790) See D32337	1
20	113- 900	BOLT - Nylock, self-locking (1" - 8 NC x 2") Used with D30758 pin	1
21	D 25991	WASHER - 113-900 bolt (1-1/32" I.D. x 2-1/2" O.D. x 1/2" thick)	1
22	D 32337	PIN - pivot, tower to boom (Used on backhoe serial no. 4082790 and after)	1
23	D 32338	WASHER - D32337 pin	1
24	25- 2420	NUT - castle (1-1/4" - 7 NC)	1
25	132- 80	PIN - cotter (5/32" x 2-1/2")	1
26	219- 40	FITTING - grease, 67-1/2° (1/8" NPT)	1
27	D 23523	PIN - boom cyl. at tower	1
28	195- 2165	WASHER - D23523 pin (1-13/16" I.D. x 2-3/4" O.D. x 9/64" thick)	2
29	D 25280	SNAP RING - D23523 pin	2
30	D 27751	CYLINDER - boom (Parts list p. 139) Used before backhoe sn. 4101401	1
	D 35435	CYLINDER - boom (Parts list p. 139) Used on backhoe sn. 4101401 and after	1
31	D 23522	PIN - boom cyl. at boom	1
32	195- 2165	WASHER - D23522 pin (1-13/16" I.D. x 2-3/4" O.D. x 9/64" thick)	2
33	D 25280	SNAP RING - D23522 pin	2
34	D 23521	PIN - crowd cyl. at boom	1
35	D 25280	SNAP RING - D23521 pin	2
36	D 27752	CYLINDER - crowd (Parts list p. 139)	1
37	D 23441	PIN - crowd cyl. at dipper arm	1
38	D 25280	SNAP RING - D23441 pin	2
39	D 23517	PIN - boom to dipper arm	1
40	219- 1	FITTING - grease, str. (1/8" NPT)	1
41	D 25509	WASHER - D23517 pin (2-1/64" I.D. x 3" O.D. x 7/64" thick)	2

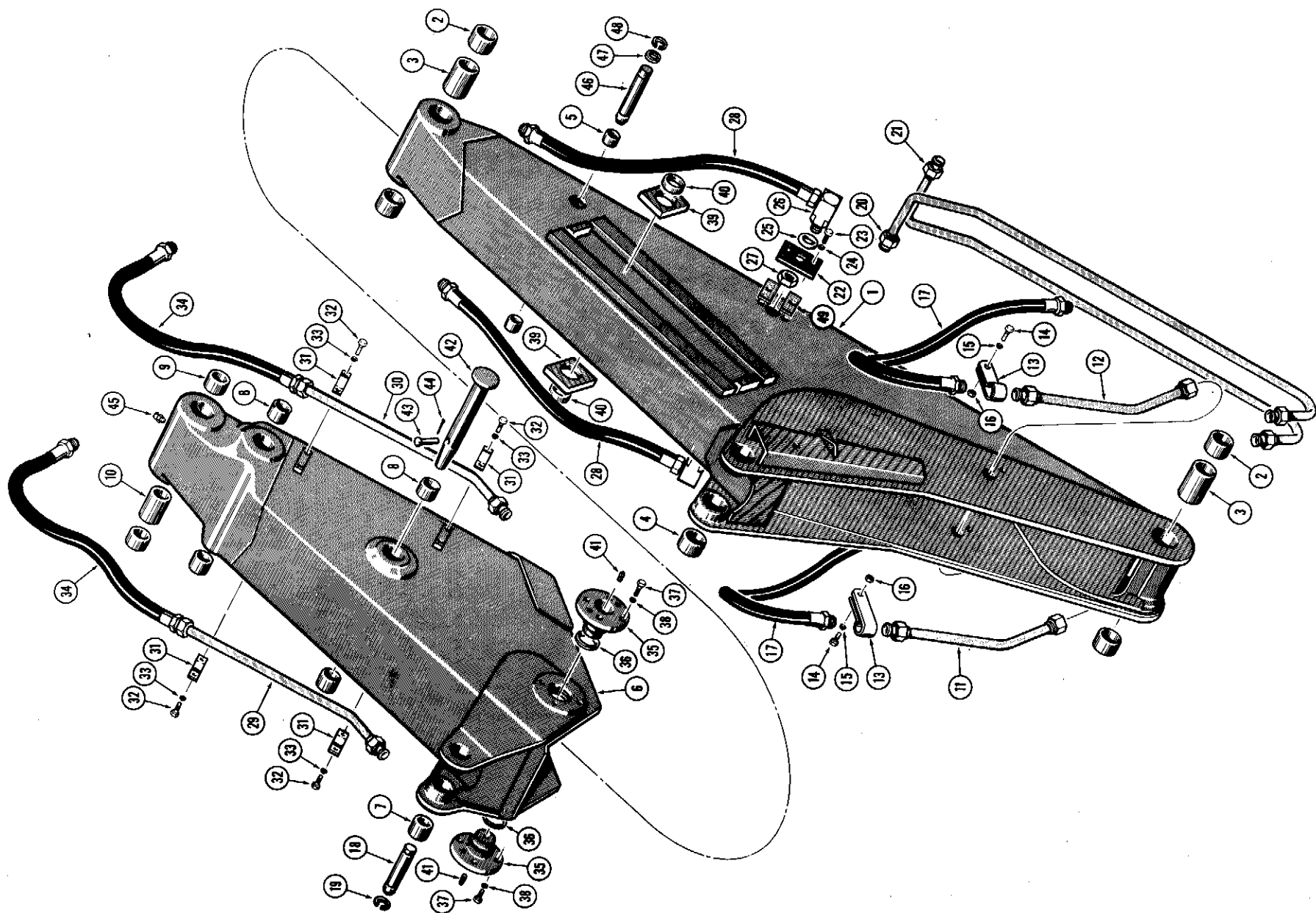
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40	12	40
49	64	A
49	64	B
26		

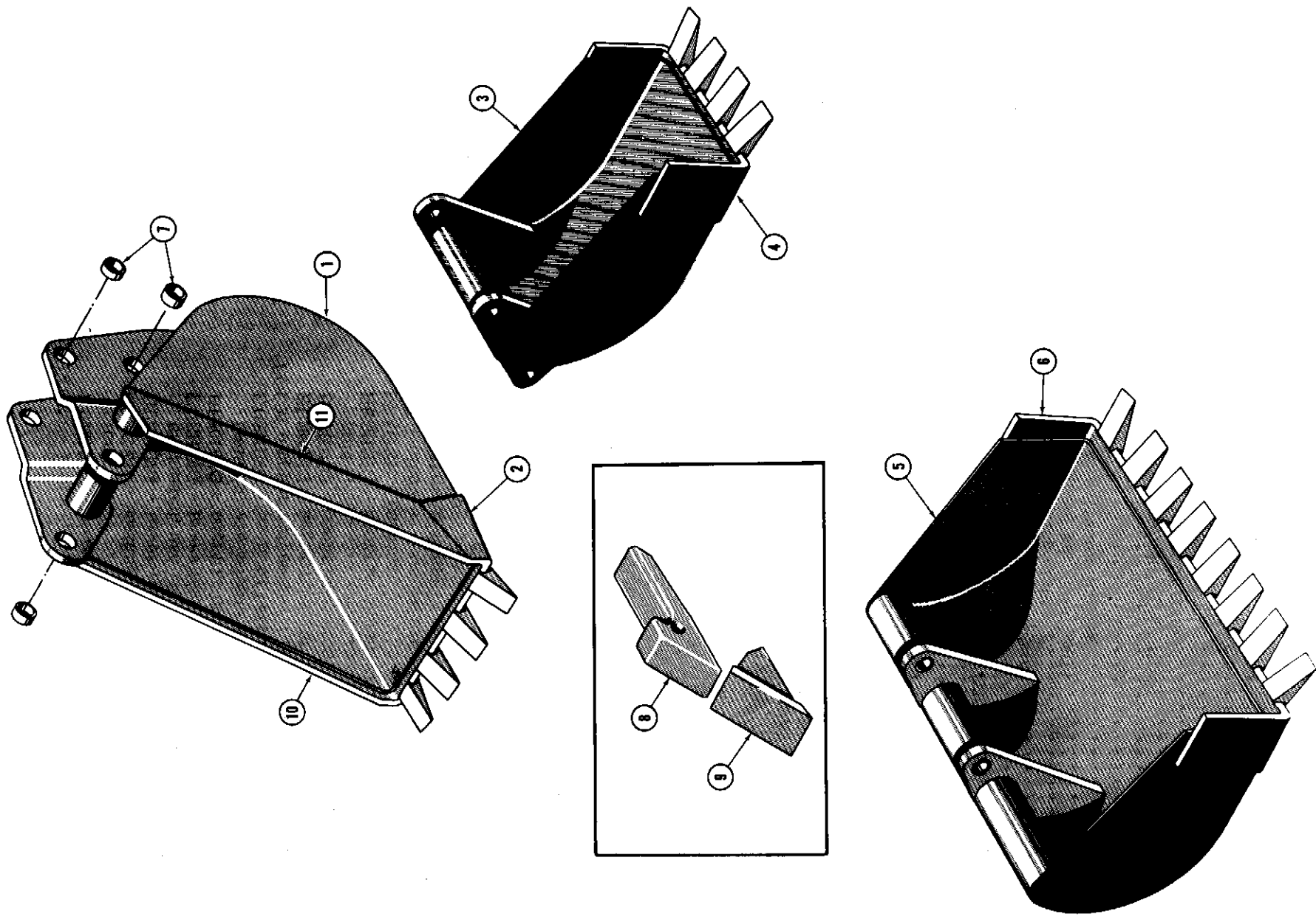
BACKHOE MECHANICAL PARTS

REF.	PART NO.	DESCRIPTION	REQ'D
42 D	26919	SNAP RING - D23517 pin	2
43 D	30632	ARM - dipper	1
44 D	23203	BUSHING - at boom	2
45 D	25029	BUSHING - at crowd cyl. (When stock is exhausted, use D34109)	2
D	34109	BUSHING - at crowd cyl.	2
D	25029	BUSHING - at bucket cyl. (When stock is exhausted use D34109)	2
D	34109	BUSHING - at bucket cyl.	2
47 D	31140	BUSHING - at bucket linkage	2
48 D	31140	BUSHING - at bucket	2
49 219-	1	FITTING - grease, str. (1/8" NPT)	2
50 D	23441	PIN - bucket cyl. at dipper arm	1
51 D	25280	SNAP RING - D23441 pin	2
52 D	30769	CYLINDER - bucket (Parts list p. 141)	1
53 D	30759	PIN - bucket cyl. at link	1
54 D	30042	WASHER - D30759 pin (1-9/16" I.D. x 3" O.D. x 3/16" thick)	2
55 D	25279	SNAP RING - D30759 pin	2
56 D	30754	LINK - bucket, R.H.	1
57 D	30755	LINK - bucket, L.H.	1
58 D	30930	BUSHING - at cyl.	2
59 D	30932	BUSHING - at dipper	2
60 D	30759	PIN - bucket link at dipper arm	1
61 D	25279	SNAP RING - D30759 pin	2
62 D	29991	LINK - dump, bucket	1
63 D	30929	BUSHING - dump link	4
64 219-	1	FITTING - grease, str. (1/8" NPT)	1
65 D	30898	PIN - dump link at bucket	1
66 D	25279	SNAP RING - D30898 pin	2
67 D	30899	PIN - bucket at dipper arm	1
68 D	25279	SNAP RING - 30899 pin	2
69	REF	BUCKET - backhoe (See page 93) Machinery item	1



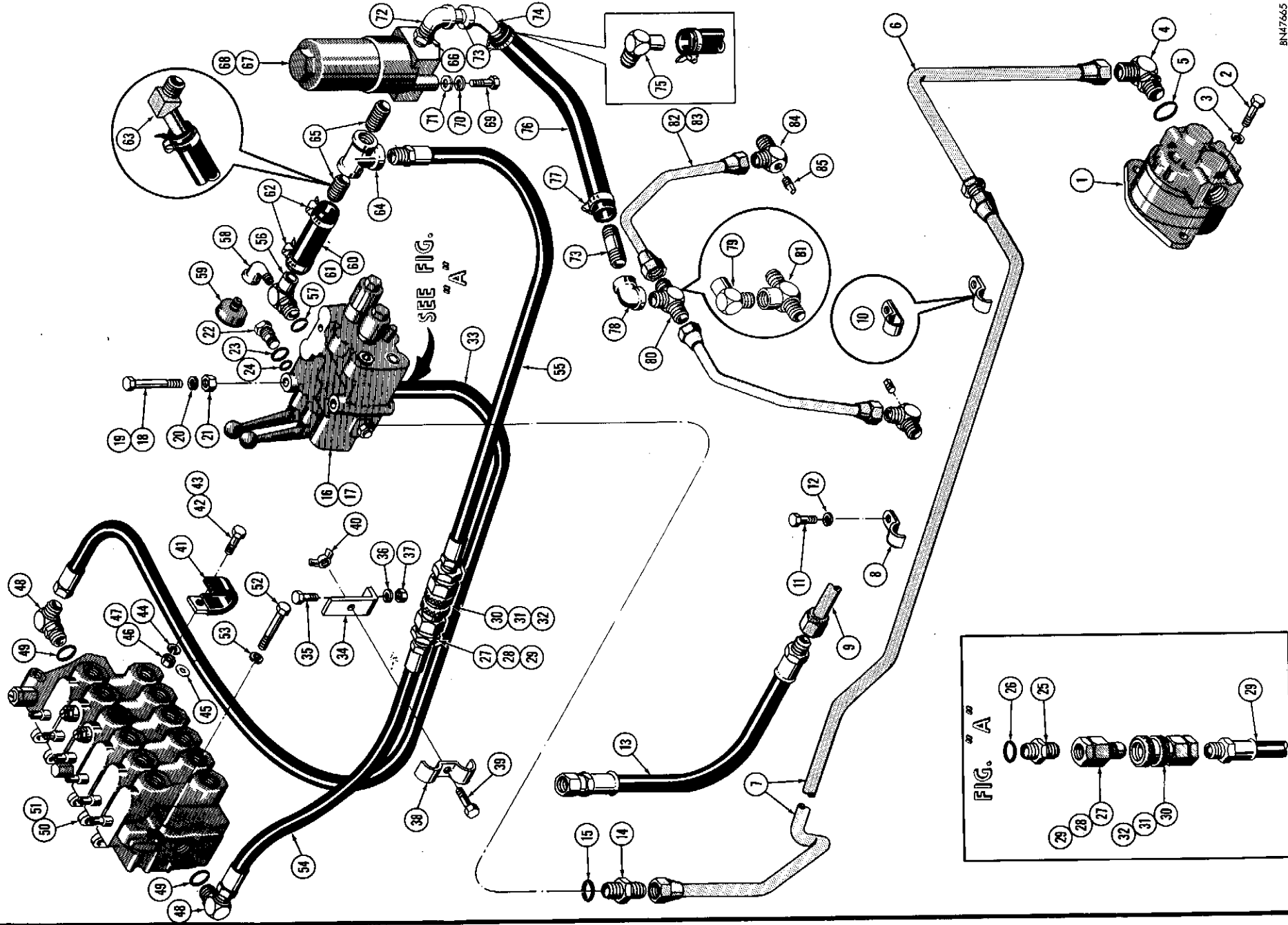
EXTENDABLE BOOM

REF.	PART NO.	DESCRIPTION	REQ'D.
1 D	34130	BOOM - lower	1
2	36121	BUSHING - boom at swing tower and boom at extension lock	1
3 D	33184	SPACER - bushing	4
4 D	25029	BUSHING - lower boom at crowd cylinder (When stock is exhausted, use D34109 bushing for service)	2
D	34109	BUSHING - lower boom at crowd cylinder	2
5 D	25258	BUSHING - boom at boom cylinder (When stock is exhausted, use D35071 bushing for service)	2
D	35071	BUSHING - boom at boom cylinder	2
6 D	34100	BOOM - upper extension	1
7 D	34109	BUSHING - upper boom at crowd cylinder	2
8 D	33024	BUSHING - boom extension, upper and lower locking pin hole	2
9 D	31142	BUSHING - boom at dipper arm	2
10 D	33184	SPACER - bushing	1
11 D	36617	TUBE - elbow at boom to crowd cylinder, R.H.	1
12 D	36618	TUBE - elbow at boom to crowd cylinder, L.H.	1
13 D	30488	CLAMP - hose	2
14 13-	616	HHCS - 3/8" - 16 NC x 1" (D30488 mounting)	2
15 92-	6	WASHER - med. sect. lock (3/8")	2
16 25-	106	NUT - hex. (3/8" - 16 NC)	2
17 D	36622	HOSE - crowd cylinder (3/4" I.D. x 40-1/2" long)	2
18 D	34132	PIN - crowd cylinder to boom	1
19 D	25280	RING - snap	2
20 D	34153	TUBE - to bucket cylinder, lower R.H.	1
21 D	34151	TUBE - to bucket cylinder, lower L.H.	1
22 D	25585	PLATE - spacer	2
23 13-	620	HHCS - 3/8" - 16 NC x 1-1/4" (D25585 mounting)	4
24 92-	6	WASHER - med. sect. lock (3/8")	4
25 VB	1652	SPACER - fitting	2
26 D	25568	ELBOW - 90° special, on boom	2
27 D	26231	NUT - jam, elbow (1-1/16" - 12 NF)	2
28 D	28705	HOSE - to bucket cylinder, lower (3/4" I.D. x 40" long)	2
29 D	36620	TUBE - to bucket cylinder, upper R.H.	1
30 D	36621	TUBE - to bucket cylinder, upper L.H.	1
31 D	36624	CLAMP - tube	4
32 13-	510	HHCS - 5/16" - 18 NC x 5/8" (Clamp mounting)	8
33 92-	5	WASHER - med. sect. lock (5/16")	8
34 D	36622	HOSE - to bucket cylinder, upper (3/4" I.D. x 40-1/2" long)	2
35 D	30724	PIN - slide plate mounting	2
36 D	39137	SPACER	2
37 13-	824	HHCS - 1/2" - 13 NC x 1-1/2" (D30724 mounting)	8
38 92-	8	WASHER - med. sect. lock (1/2")	8
39 D	34118	SLIDE PLATE - boom extension	2
40 D	33678	BUSHING - slide plate	1
41 221-	1011	PLUG - pipe, sq. hd. (1/8" NPT)	2
42 D	34097	PIN - boom extension locking	1
43 A	10123	PIN - clevis	1
44 136-	109	PIN - cotter	1
45 219-	55	FITTING - grease, 90° (1/8" NPT)	1
46 D	23522	PIN - boom cylinder to boom	1
47 195-	2165	WASHER - flat steel	2
48 D	25280	RING - snap	1
49 D	39367	SHIM - spacer plate	4



BACKHOE BUCKETS

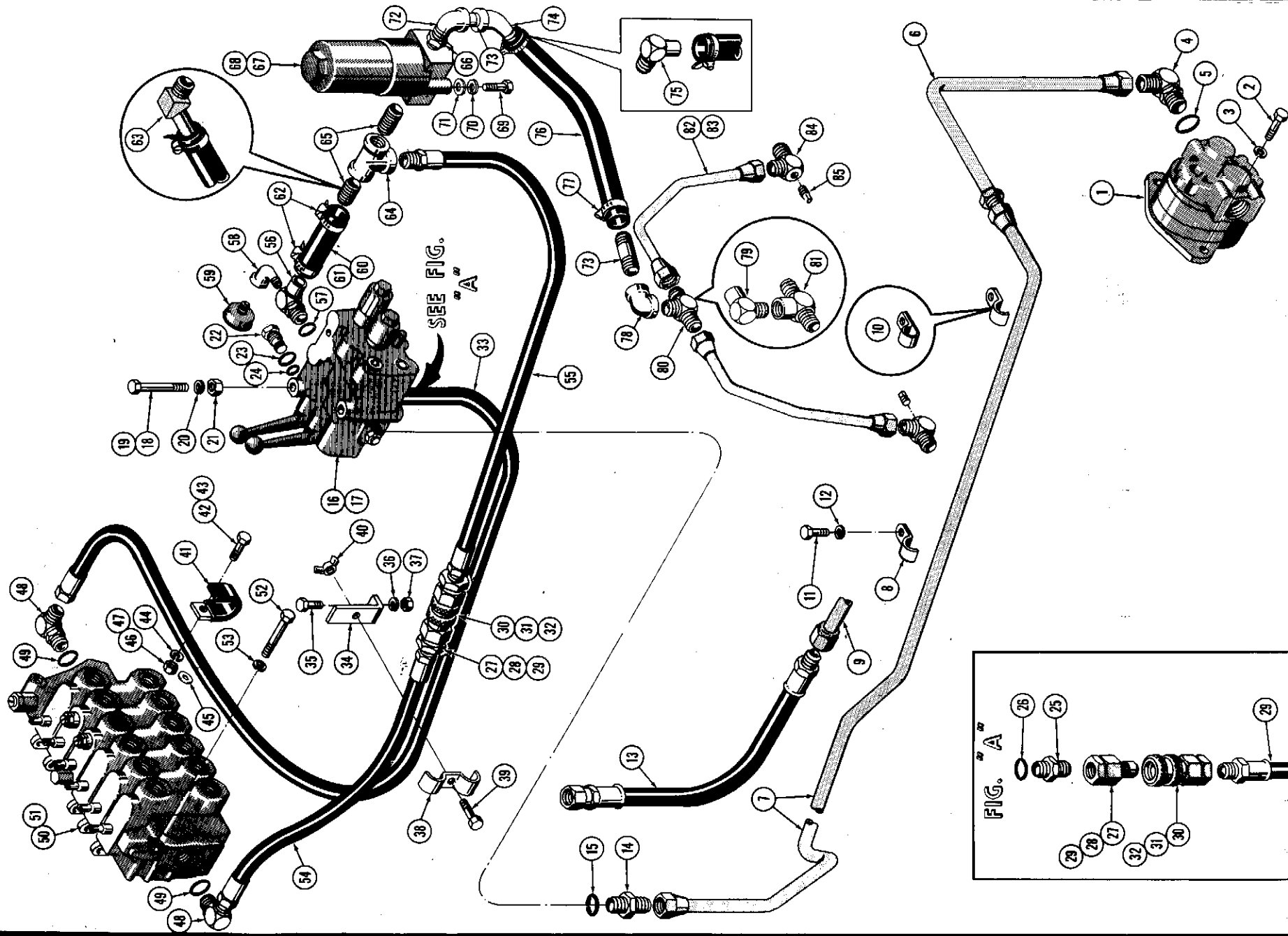
REF.	PART NO.	DESCRIPTION	REQ'D
TRENCHING BUCKETS			
1	D 30907	BUCKET - trenching, 12" (Mach. item)	1
2	D 23227	BLADE - cutting, center	1
1	D 30909	BUCKET - trenching, 18" (Mach. item)	1
2	D 23226	BLADE - cutting, center	1
1	D 30910	BUCKET - trenching, 24" (Mach. item)	1
2	D 35277	BLADE - cutting, center	1
1	D 30912	BUCKET - trenching, 30" (Mach. item)	1
2	D 35294	BLADE - cutting, center	1
1	D 30914	BUCKET - trenching, 36" (Mach. item)	1
2	D 29121	BLADE - cutting, center	1
BELLHOLE BUCKETS			
3	D 30906	BUCKET - bellhole, 12" (Mach. item)	1
4	D 23107	BLADE - cutting	1
3	D 30908	BUCKET - bellhole, 16" (Mach. item)	1
4	D 37696	BLADE - cutting	1
3	D 30911	BUCKET - bellhole, 30" (Mach. item)	1
4	D 37448	BLADE - cutting	1
COMBINATION BELLHOLE AND GRAVE-YARD BUCKET			
5	D 30913	BUCKET - combination bellhole and grave-yard, 36" (Mach. item)	1
6	D 20453	BLADE - cutting	1
PARTS FOR BUCKETS			
7	D 30930	BUSHING - bucket	4-6
8	D 26368	SHANK - tooth	3-8
9	D 27748	POINT - tooth	3-8
	D 36720	POINT - tooth, heavy duty (Optional)	3-8
10	D 21605	BLADE - cutting, side (R.H.) All trenching buckets except 12" (See D29423)	1
	D 29423	BLADE - cutting, side (R.H.) D30907 bucket only	1
11	D 21606	BLADE - cutting, side (L.H.) All trenching buckets except 12" (See D29424)	1
	D 29424	BLADE - cutting, side (L.H.) D30907 bucket only	1



BASIC BACKHOE HYDRAULICS **(BEFORE BACKHOE SERIAL NUMBER 4103863)**

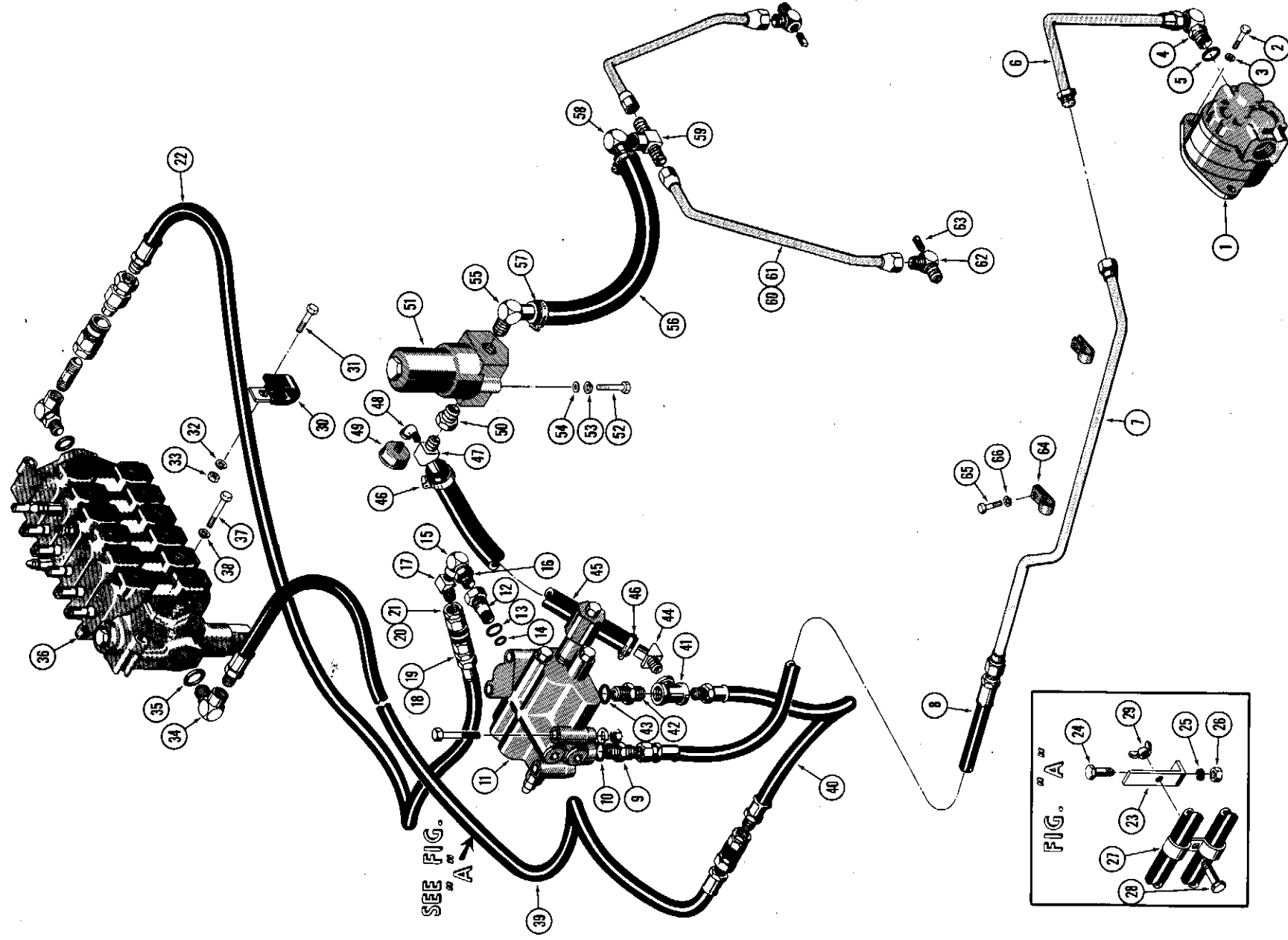
REF.	PART NO.	DESCRIPTION	REQ'D
1	D 31254	PUMP - hydraulic (Parts list p. 35)	1
2	13- 828	HHCS - 1/2" - 13 NC x 1-3/4"	2
3	92- 8	WASHER - med. sect. lock	2
4	218- 5110	ELBOW - 90° adj., 1" JIC	1
5	218- 5010	SEAL - "O" ring, 218-5110 elbow	1
6	D 30563	TUBE - from pump	1
7	D 30513	TUBE - to valve long (Early production) When stock is exhausted, use D33579 tube and D24646 hose	1
8	D 31513	CLAMP - D30513 tube (Use R11405)	2
9	D 33579	TUBE - to valve, long (Late production) Used with D24646 hose	1
10	R 11405	CLAMP - D30513 or D33579 tubes	2
11	13- 58	HHCS - 5/16" - 18 NC x 1/2"	2
12	92- 5	WASHER - med. sect. lock (5/16")	2
13	D 24646	HOSE - D33579 tube to valve (3/4" I.D. x 1-1/4" O.D. x 25" long)	1
14	D 28890	CONNECTOR - male (3/4" JIC x 1" JIC)	1
15	218- 5010	SEAL - "O" ring, D28890 connector	1
16	D 31264	VALVE - loader control, early production (Parts list p. 39) When stock is exhausted, use D32769	1
17	D 32769	VALVE - loader control (Parts list p. 41)	1
18	13- 664	HHCS - 3/8" - 16 NC x 4" (Inside)	2
19	13- 660	HHCS - 3/8" - 16 NC x 3-3/4" (Outside)	1
20	92- 6	WASHER - med. sect. lock (3/8")	3
21	25- 106	NUT - hex (3/8" - 16 NC)	3
22	D 25783	PLUG - special, power beyond type	1
23	218- 5008	SEAL - "O" ring, large	1
24	D 26435	SEAL - "O" ring, small	1
25	D 31393	CONNECTOR - 3/4" JIC x 3/4" NPT	1
26	218- 5008	SEAL - "O" ring, D31393 connector	1
27	D 31284	COUPLING - male, Bruning (Parts list p. 107)	2
28	D 31617	COUPLING - male, Snap-Tite (Parts list p. 109)	2
29	D 36935	COUPLING - male, Lear Siegler (Use 1-D31617 and 1-D31618)	2
30	D 31285	COUPLING - female, Bruning (Parts list p. 107)	2
31	D 31618	COUPLING - female, Snap-Tite (Parts list p. 109)	2
32	D 36936	COUPLING - female, Lear Siegler (Use 1-D31617 and 1-D31618)	2
33	D 31472	HOSE - backhoe pressure (3/4" I.D. x 1-1/4" O.D. x 83" long)	1
34	D 31392	BRACKET - hose	1
35	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	1
36	92- 8	WASHER - med. sect. lock (1/2")	1
37	25- 108	NUT - hex. (1/2" - 13 NC)	1
38	R 15257	CLAMP - plate, rubberized	1
39	13- 532	HHCS - clamp to bracket (5/16" - 18 NC x 2")	1
40	129- 405	NUT - wing (5/16" - 18 NC)	1
41	D 31391	BRACKET - hose, mtg. frame	1
42	13- 524	HHCS - 5/16" - 18 NC x 1-1/2" (If used)	1
43	13- 516	HHCS - 5/16" - 18 NC x 1" (If used)	1
44	92- 5	WASHER - med. sect. lock (5/16") If used	1
45	95- 5	WASHER - std. wrot (5/16") If used	1
46	25- 105	NUT - hex. (5/16" - 18 NC) If used	1
47	131- 4	NUT - hex., lock (5/16" - 18 NC) If used	1

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BASIC BACKHOE HYDRAULICS **(BEFORE BACKHOE SERIAL NUMBER 4103863)**

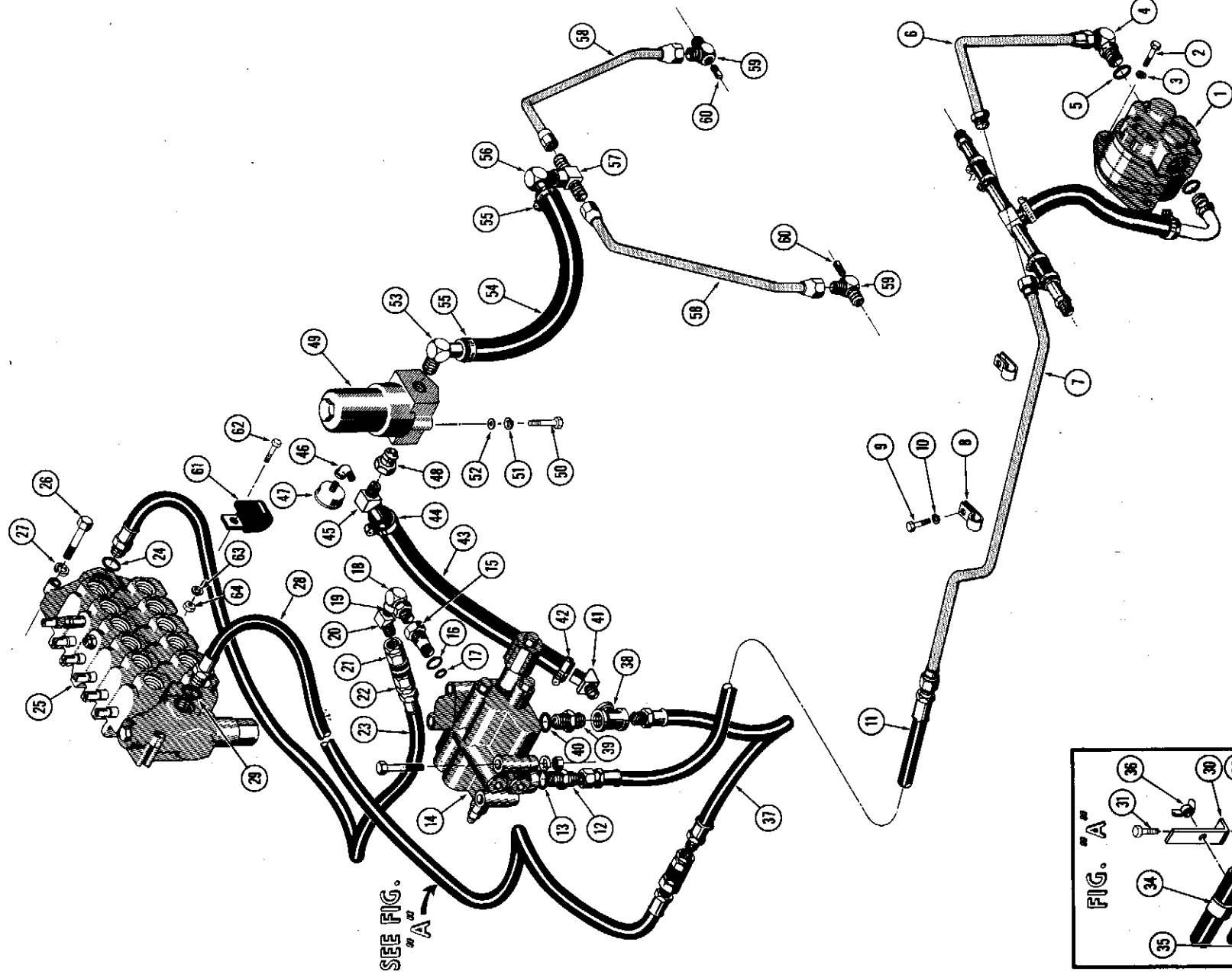
REF.	PART NO.	DESCRIPTION	REQ'D
48 D	26463	ELBOW - 90° adj. (3/4" NPT x 1" JIC	2
49	218- 5010	SEAL - "O" ring, D26463 elbow	1
50 D	30776	VALVE - backhoe control, used before backhoe sn. 4102456 (When stock is exhausted use D36122)	1
51 D	36122	VALVE - backhoe control, used on backhoe sn. 4102456 and after	1
52	13- 660	HHCS - 3/8" - 16 NC x 3-3/4"	3
53	92- 6	WASHER - med. sect. lock (3/8")	3
54 D	31476	HOSE - from valve (3/4" I.D. x 1-1/4" O.D. x 41" long)	1
55 D	33709	HOSE - to filter (3/4" I.D. x 1-1/4" O.D. x 38" long)	1
56 D	31363	ELBOW - 90° adj. (3/4" JIC x 1" O.D. tube)	1
57	218- 5008	SEAL - "O" ring, D31363 elbow	1
58	221- 411	ELBOW - 90° street (1/8" NPT)	1
59 D	29650	GAUGE - hyd. oil pressure	1
60 D	25759	HOSE - ldr. valve to nipple (1" I.D. x 1-1/2" O.D. x 7" long) If used	1
61 D	36798	HOSE - ldr. valve to R11626 elbow (1" I.D. x 1-1/2" O.D. x 6" long) If used	1
62	214- 256	CLAMP - hose	2
63 R	11626	ELBOW - special, 45° (1" O.D. tube x 3/4" NPT) If used	1
64	221- 425	TEE - female, 3/4" NPT	1
65	221- 211	NIPPLE - 3/4" NPT x 1-3/8"	1
66	221- 65	BUSHING - reducing (1" NPT x 3/4" NPT) If used	1-2
67 D	31338	FILTER - hyd. oil, early production (Parts list p. 71) Use D32254 and 2-221-65	1
68 D	32254	FILTER - hyd. oil, late production (Parts list p. 71)	1
69	13- 816	HHCS - 1/2" - 13 NC x 1"	2
70	92- 8	WASHER - med. sect. lock (1/2")	2
71	195- 33	WASHER - plain (1/2")	2
72	221- 415	ELBOW - 90° street (3/4" NPT) If used	1
73	221- 215	NIPPLE - 3/4" NPT x 2" (If used)	1-2
74	221- 405	ELBOW - 45° street (3/4" NPT) If used	1
75	217- 136	ELBOW - special, 90° (1" NPT x 1" O.D. tube) If used	1
76 D	31469	HOSE - to reservoirs (1" I.D. x 1-1/2" O.D. x 17" long)	1
77	214- 256	CLAMP - D31469 hose	2
78	221- 378	ELBOW - 90° (3/4" NPT) If used	1
79 D	33589	ELBOW - special, 90° (3/4" NPT x 1" O.D. tube) If used	1
80	218- 556	TEE - special male (3/4" JIC x 3/4" JIC x 3/4" NPT) If used	1
81	218- 576	TEE - 3/4" NPT x 3/4" JIC (If used)	1
82 D	31354	TUBE - to reservoir (Standard models)	2
83 D	32656	TUBE - to reservoir (Used with Draft-O-Matic or remote hyd.)	2
84 D	28485	ELBOW - 90° male (3/4" JIC x 3/4" NPT)	2
85	221- 14	PLUG - pipe, 1/2" NPT	2



530 CONSTRUCTION KING BACKHOE BASIC BACKHOE HYDRAULICS (BACKHOE SN. 4103863 AND AFTER)

99

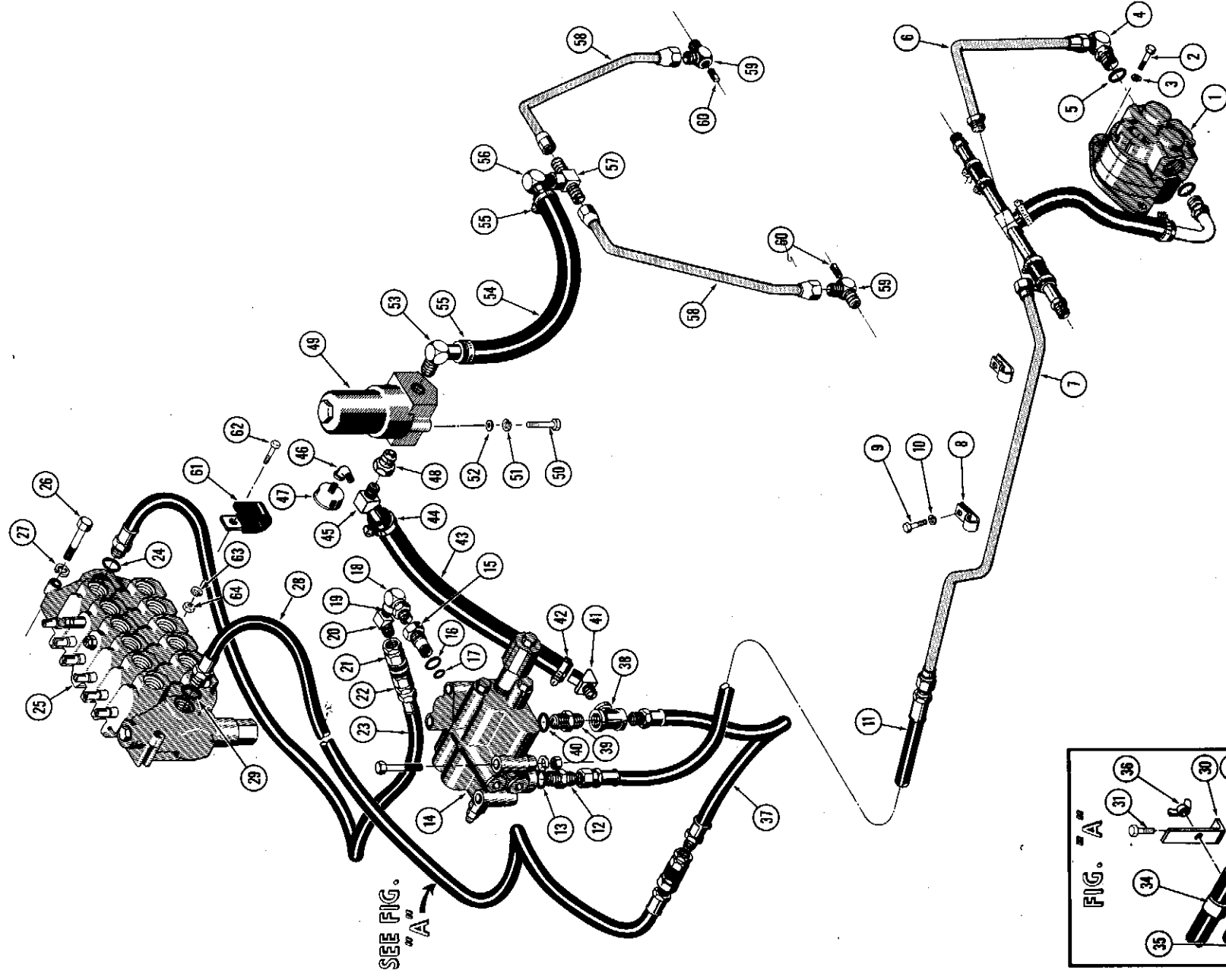
REF.	PART NO.	DESCRIPTION	REQ'D
1	D 31254	PUMP - hydraulic (Parts list p. 35)	1
2	13- 828	HHCS - 1/2" - 13 NC x 1-3/4"	2
3	92- 8	WASHER - med. sect. lock (1/2")	2
4	218- 5110	ELBOW - 90° adj., 1" JIC	1
5	218- 5010	SEAL - "O" ring, 218-5110 elbow	1
6	D 30563	TUBE - from pump, short	1
7	D 33579	TUBE - to valve, long	1
8	D 24646	HOSE - to valve (3/4" I.D. x 1-1/4" O.D. x 25" long)	1
9	D 28890	CONNECTOR - straight	1
10	218- 5010	SEAL - "O" ring, D28890 connector	1
11	REF	VALVE - loader control (See page 39)	1
12	D 35401	FITTING - power beyond type	1
13	218- 5010	SEAL - "O" ring, large	1
14	A 25590	SEAL - "O" ring, small	1
15	D 25354	ELBOW - 90°, 3/4" JIC x 3/4" NPT	1
16	218- 5008	SEAL - "O" ring, D25354 elbow	1
17	D 36909	ELBOW - 3/4" NPT	1
18	D 36935	COUPLING - male, Lear Siefler (Use 1-D31617 and 1-D31618)	1
19	D 31617	COUPLING - male, Snap-Tite (Parts list p. 109)	2
20	D 36936	COUPLING - female, Lear Siegler (Use 1-D31617 and 1-D31618)	2
21	D 31618	COUPLING - female, Snap Tite (Parts list p.)	2
22	D 31472	HOSE - backhoe pressure (3/4" I.D. x 1-1/4" O.D. x 83" long)	1
23	D 31392	BRACKET - hose	1
24	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	1
25	92- 8	WASHER - med. sect. lock (1/2")	1
26	25- 108	NUT - hex. (1/2" - 13 NC)	1
27	R 15257	CLAMP - plate, rubberized	1
28	13- 532	HHCS - clamp to bracket (5/16" - 18 NC x 2")	1
29	129- 405	NUT - wing (5/16" - 18 NC)	1
30	D 31391	BRACKET - hose, mtg. frame	1
31	13- 516	HHCS - 5/16" - 18 NC x 1" (If used)	1
32	95- 5	WASHER - std. wrot (5/16") If used	1
33	131- 4	NUT - hex, lock (5/16" - 18 NC) If used	1
34	D 26463	ELBOW - 90° adj. (3/4" NPT x 1/2" JIC)	2
35	218- 5010	SEAL - "O" ring, D26463 elbow	1
36	D 36122	VALVE - backhoe control (Parts list p. 111)	1
37	13- 660	HHCS - 3/8" - 16 NC x 3-3/4"	3
38	92- 6	WASHER - med. sect. lock (3/8")	3
39	D 31476	HOSE - from valve (3/4" I.D. x 1-1/4" O.D. x 41" long)	1
40	D 32178	HOSE - to ldr. valve (3/4" I.D. x 1-1/4" O.D. x 24" long)	1
41	221- 425	TEE - female, 3/4" NPT	1
42	D 31393	CONNECTOR - 3/4" JIC x 3/4" NPT	1
43	218- 5008	SEAL - "O" ring, D31393 connector	1
44	R 11626	ELBOW - 45°, 3/4" NPT x 1" O.D. tube	1
45	D 36798	HOSE - to filter (1" I.D. x 1-1/2" O.D. x 10-5/8")	1
46	214- 256	CLAMP - D36798 hose	2
47	D 33588	ELBOW - 45° (1" O.D. tube x 3/4" NPT)	1
48	221- 411	ELBOW - 90° street (1/8" NPT)	1
49	D 29650	GAUGE - hyd. oil pressure	1
50	221- 65	BUSHING - reducing, 1" NPT to 3/4" NPT	1



BASIC BACKHOE HYDRAULICS (MODEL 32-S)

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 31254	PUMP - hydraulic (Parts list page 35)	1
2	13- 828	HHCS - 1/2" - 13 NC x 1-3/4"	2
3	92- 8	WASHER - med. sect. lock (1/2")	2
4	218- 5110	ELBOW - 90° adj. (1" JIC)	1
5	218- 5010	SEAL - "O" ring, 218-5110 elbow	1
6	D 30563	TUBE - from pump, short	1
7	D 33579	TUBE - to loader valve, long	1
8	R 11405	CLAMP - D33579 tube	2
9	13- 58	HHCS - 5/16" - 18 NC x 1/2"	2
10	92- 5	WASHER - med. sect. lock (5/16")	2
11	D 24646	HOSE - to loader Valve (3/4" I.D. x 1-5/32" O.D. x 25" long)	1
12	D 28890	CONNECTOR - at valve (3/4" JIC x 1" JIC)	1
13	218- 5010	SEAL - "O" ring, D28890 connector	1
14	D 36725	VALVE - loader control (Parts list p. 37-51)	1
15	D 35401	FITTING - special, power beyond	1
16	218- 5010	SEAL - "O" ring, outer (Large)	1
17	A 25590	SEAL - "O" ring, inner (Small)	1
18	D 25354	ELBOW - 90° adj. (3/4" JIC x 3/4" NPT)	1
19	218- 5008	SEAL - "O" ring, D25354 elbow	1
20	D 36909	ELBOW - 45° male (3/4" NPT)	1
21	D 31617	COUPLING - male (Snap Tite) Parts list p. 109	2
22	D 31618	COUPLING - female (Snap Tite) Parts list p. 109	2
23	D 36646	HOSE - pressure, to backhoe valve (3/4" I.D. x 1-1/4" O.D. x 102" long)	1
24	218- 5010	SEAL - "O" ring, D36644 hose	1
25	D 36658	VALVE - backhoe control (Parts list p. 125B)	1
26	13- 660	HHCS - 3/8" - 16 NC x 3-3/4"	3
27	92- 6	WASHER - med. sect. lock (3/8")	3
28	D 36647	HOSE - return, from backhoe valve (3/4" I.D. x 1-1/4" O.D. x 69-1/2" long)	1
29	218- 5010	SEAL - "O" ring, D36647 hose	1
30	D 31392	BRACKET - hose	1
31	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	1
32	92- 8	WASHER - med. sect. lock (1/2")	1
33	25- 108	NUT - hex. (1/2" - 13 NC)	1
34	R 15257	CLAMP - plate, rubberized	1
35	13- 532	HHCS - clamp to bracket (5/16" - 18 NC x 2")	1
36	129- 405	NUT - wing (5/16" - 18 NC)	1
37	D 32178	HOSE - return, to loader valve (3/4" I.D. x 1-1/4" O.D. x 24" long)	1
38	221- 425	TEE - female (3/4" NPT)	1
39	D 31393	CONNECTOR - 3/4" NPT x 3/4" JIC	1
40	218- 5008	SEAL - "O" ring, D31393 connector	1
41	R 11626	ELBOW - 45°, 3/4" NPT x 1" O.D. tube	1
42	214- 256	CLAMP - D36798 hose	1
43	D 36798	HOSE - to filter (1" I.D. x 1-1/2" O.D. x 10-5/8" long)	1
44	214- 256	CLAMP - D36798 hose	1
45	D 33588	ELBOW - to filter, 45° (1" O.D. tube x 3/4" JIC)	1
46	221- 411	ELBOW - 90° street (1/8" NPT)	1
47	D 29650	GAUGE - hyd. oil pressure	1
48	221- 65	BUSHING - reducing, 1" NPT to 3/4" NPT	1
49	D 32254	FILTER - hyd. (Parts list p. 71)	1
50	13- 816	HHCS - 1/2" - 13 NC x 1"	2
51	92- 8	WASHER - med. sect. lock (1/2")	2

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BASIC BACKHOE HYDRAULICS (MODEL 32-S)

REF.	PART NO.	DESCRIPTION	REQ'D.
52	195- 33	WASHER - plain (1/2")	2
53	217- 136	ELBOW - 90° (1" NPT x 1" O.D. tube)	1
54	D 31469	HOSE - return (1" NPT x 1" O.D. tube)	1
55	214- 256	CLAMP - D32678 hose	2
56	D 33589	ELBOW - 90° (3/4" NPT x 1" O.D. tube)	1
57	218- 576	TEE - to equalizer tubes (3/4" NPT)	1
58	D 31354	TUBE - to reservoir (Std. models)	2
	D 32656	TUBE - to reservoir (With Draft-O-Matic or remote hyd.)	2
59	D 28485	ELBOW - 90° (3/4" JIC x 3/4" NPT)	2
60	221- 14	PLUG - pipe, sq. hd. (1/2" NPT)	2
61	D 31321	BRACKET - hose, mtg. frame	1
62	13- 516	HHCS - 5/16" - 18 NC x 1" long	1
63	95- 5	WASHER - standard wrot (5/16")	1
64	131- 4	NUT - hex. lock (5/16" - 18 NC)	1

