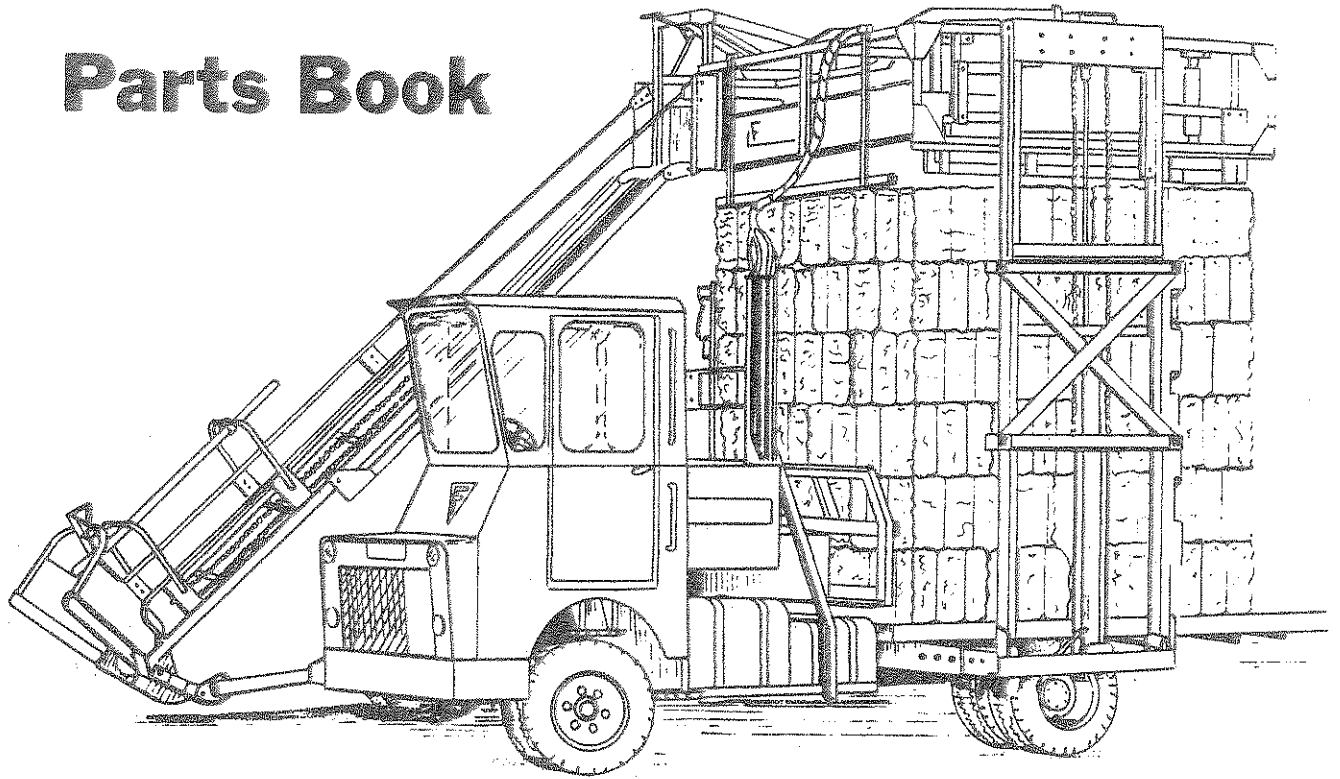


FREEMAN

ROADSIDER

BALE WAGON

Parts Book



manufactured and distributed by

J. A. FREEMAN & SON, INC.

DR00000166

PORTLAND, OREGON

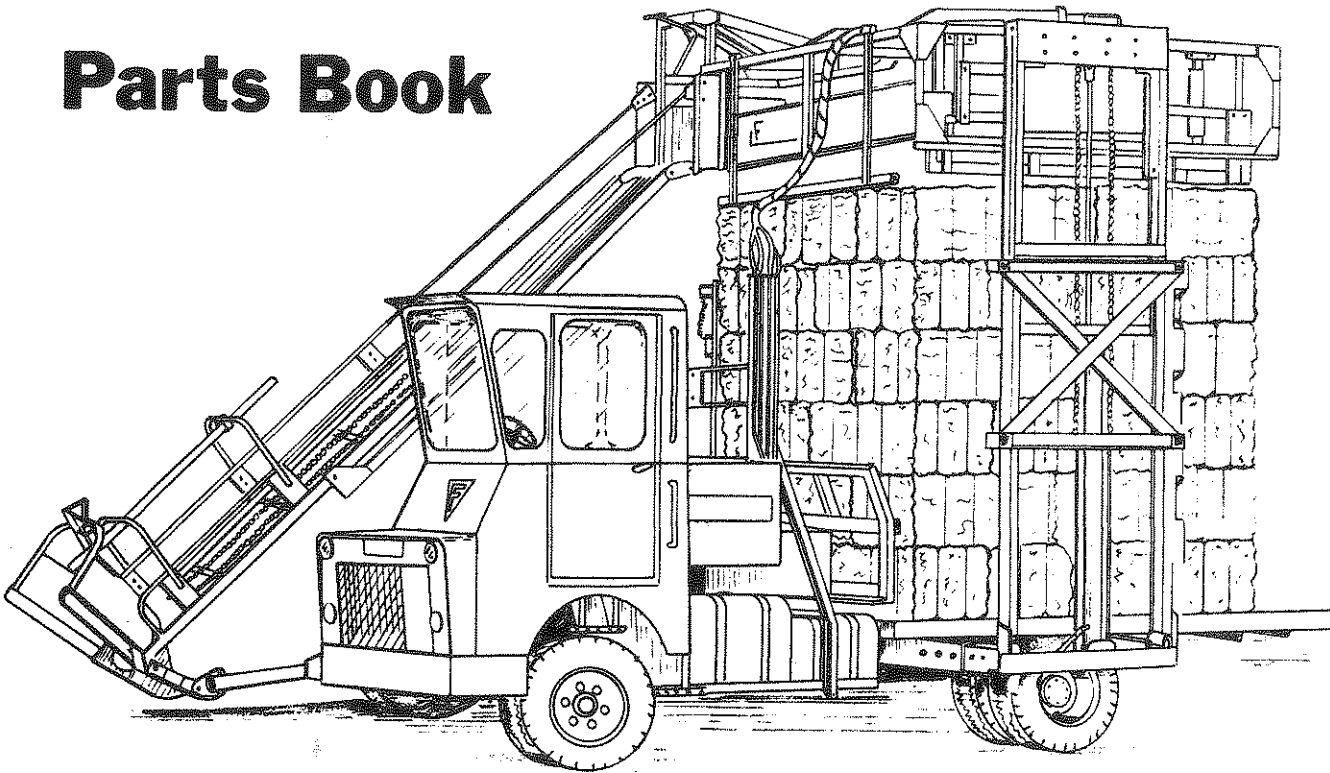
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FREEMAN

ROADSIDER

BALE WAGON

Parts Book



POLICY

1. It is the policy of J. A. Freeman & Son, Inc. to constantly improve its products whenever it is practical to do so.
2. J. A. Freeman & Son, Inc. reserve the right to redesign or change its equipment or component parts thereof without incurring any obligation to install or furnish such changes on equipment previously delivered.
3. Unauthorized changes or additions to equipment manufactured by J. A. Freeman & Son, Inc. relieves the company of further responsibility for warranted operation and breakage replacement.

INSTRUCTIONS FOR ORDERING PARTS

1. Part number and description of part.
 - (a) Parts should NOT be ordered from illustration only.
 - (b) Parts should NOT be ordered from numbers on castings.
2. Order by bale wagon serial number and model.
3. Much delay and confusion can be avoided if parts numbers are arranged in sequence on all orders.
4. State how to ship: whether by truck, stage, mail, rail, express or freight, air express or air freight.
5. Claims for shortage or error in handling of an order for parts must be made upon receipt of goods.
6. Address all orders for parts as follows:

J. A. Freeman & Son, Inc.
Parts Department,
2034 N. W. 27th Avenue,
Portland, Oregon 97210

Place serial number of machine here for your convenience:

Bale wagon Serial No. _____

Motor Serial No. _____

Left and right of machine are understood to mean from a position facing in the direction of baler travel.

Permission must be secured before any parts are returned for credit. When parts are returned, the freight must be prepaid or arrangements made so that they can be brought in by our trucks.

"NOTE"

Parts are identified by reference numbers. See parts list for correct part numbers. DO NOT USE REFERENCE NUMBERS AS PART NUMBERS.

SPECIFICATIONS

WAGON SERIAL NO. _____ CAGE SERIAL NO. _____

ENGINE SERIAL NO. _____ CAB SERIAL NO. _____

ENGINE MAKE & MODEL _____

TRANSMISSION:

MAKE _____

MODEL _____

NO. OF SPEEDS _____

CLUTCH:

MAKE _____

MODEL _____

TYPE Plate () Disc ()

FRONT AXLE:

MAKE _____

MODEL _____

REAR AXLE:

MAKE _____

MODEL _____

HYDRAULIC PUMP:

MAKE _____

MODEL _____

RELIEF SETTING:

POWER STEERING _____ psi

MAIN SYSTEM _____ psi

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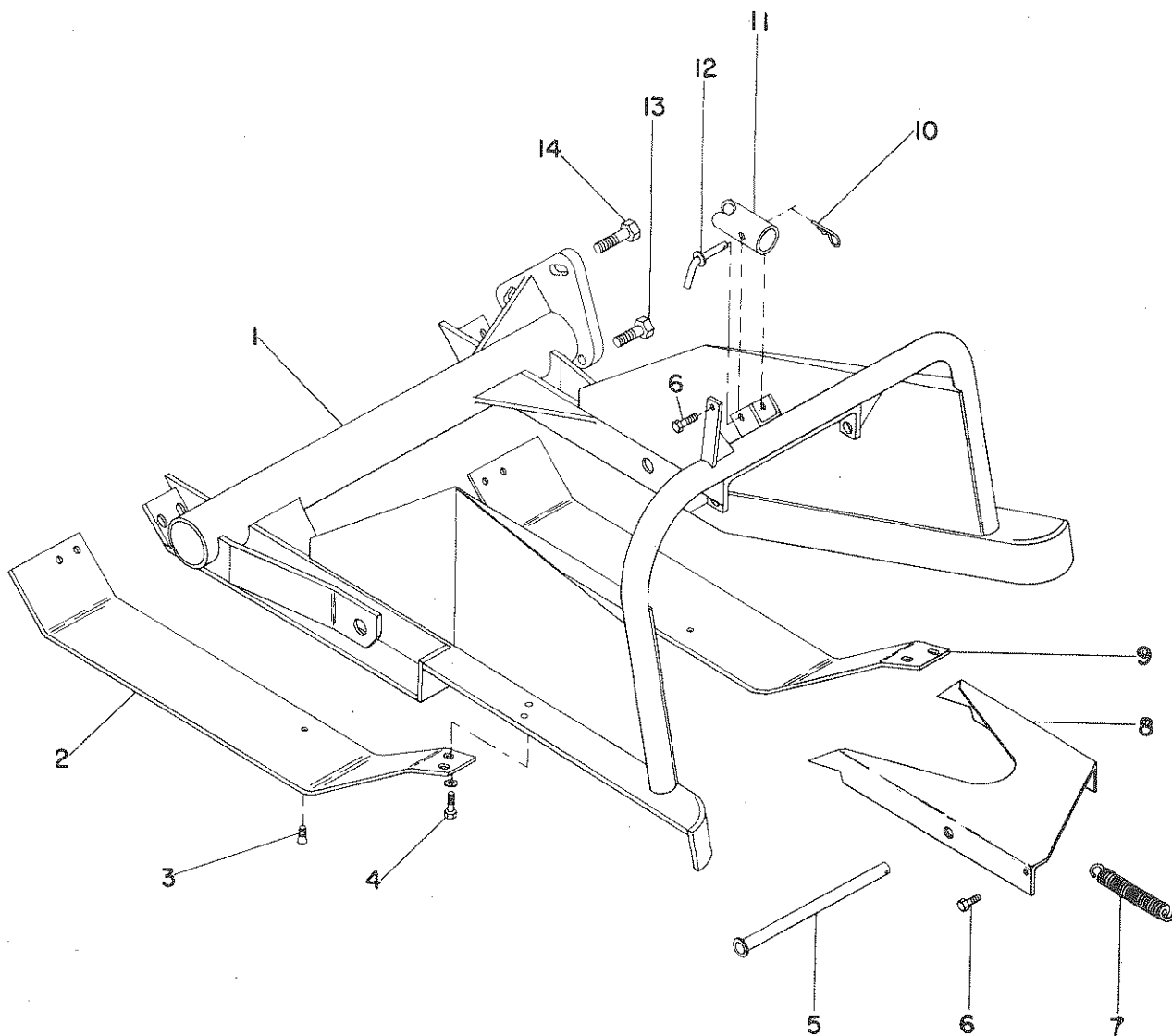
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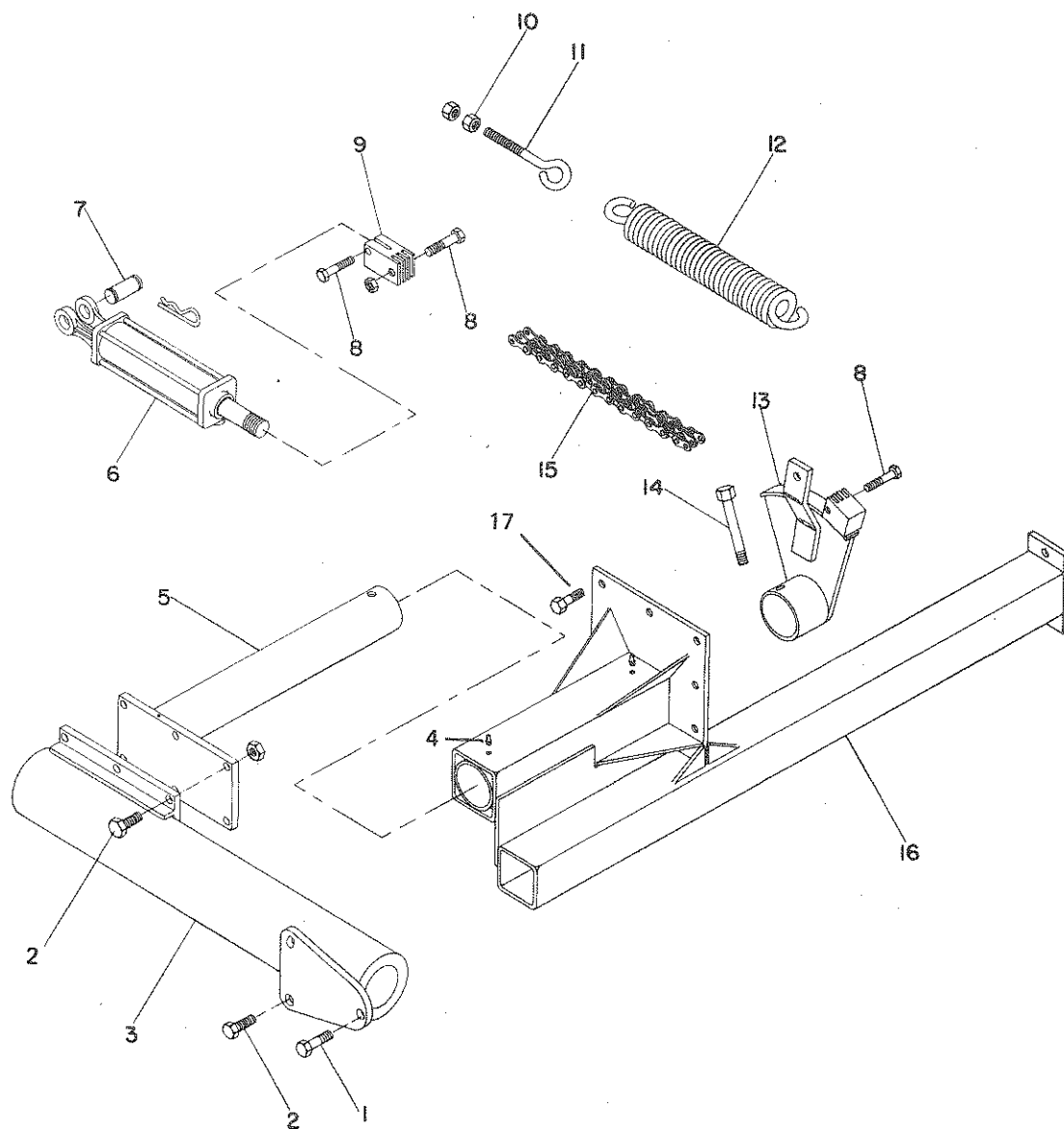
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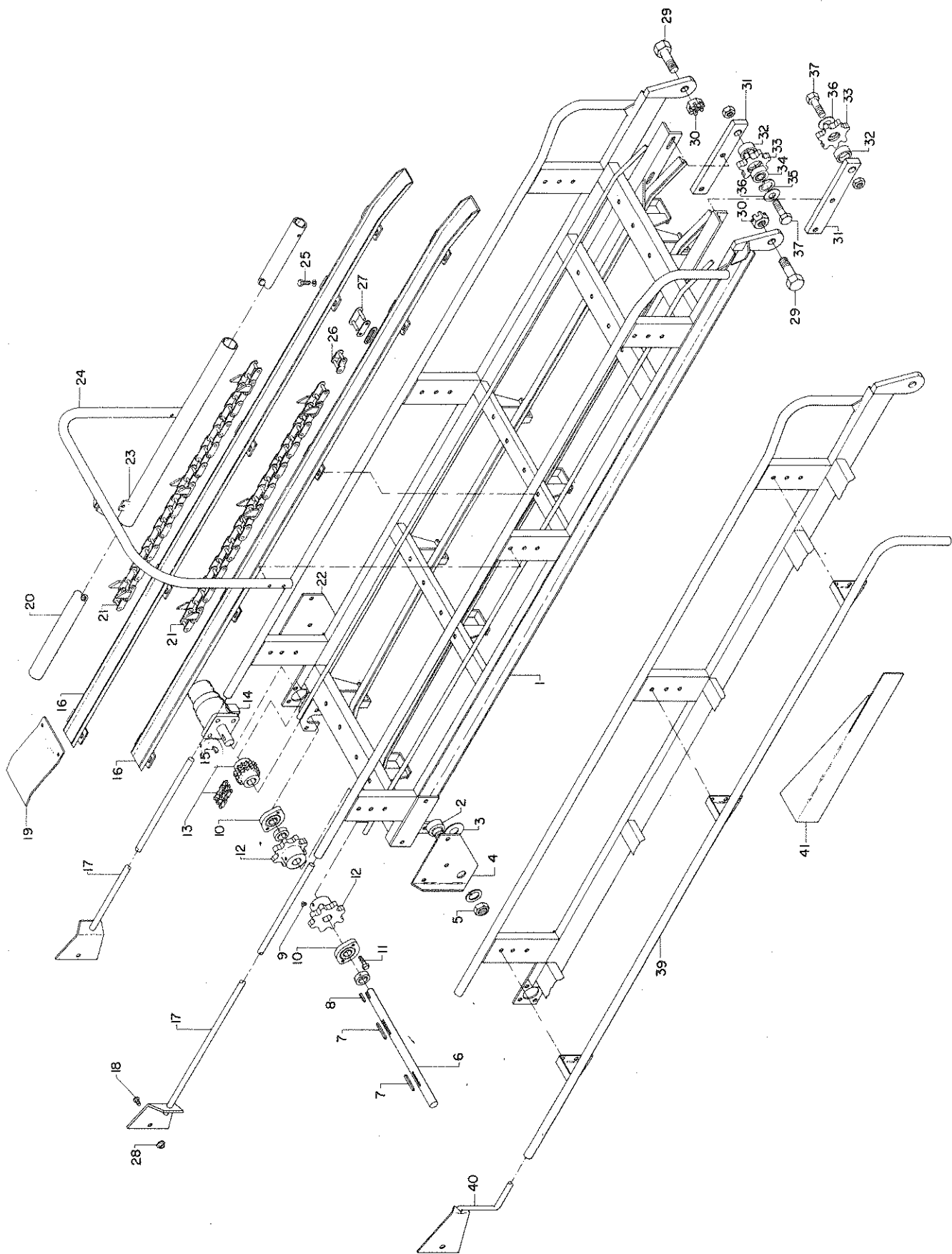
PICK UP

REF. NO.	PART NO.	DESCRIPTION
	10-906	Pick up Assembly complete
1	10-141	Pick up Frame
2	10-142	R.H. Runner
3		3/8" x 1" N.C. Flat Head Socket Cap Screw
4		3/8" x 1-1/2" N.C. Cap Screw
5	10-145	Pin
6		5/16" x 1-1/4" N.C. Cap Screw
7	F 747	Spring
8	10-144	Bale Check
9	10-143	L.H. Runner
10	F 1019	Hair Pin
11	10-139	Center Bale Guide
12	10-146	Pin, Bale Guide
13		5/8" x 2" N.C. Cap Screw
14		5/8" x 2-1/2" N.C. Cap Screw



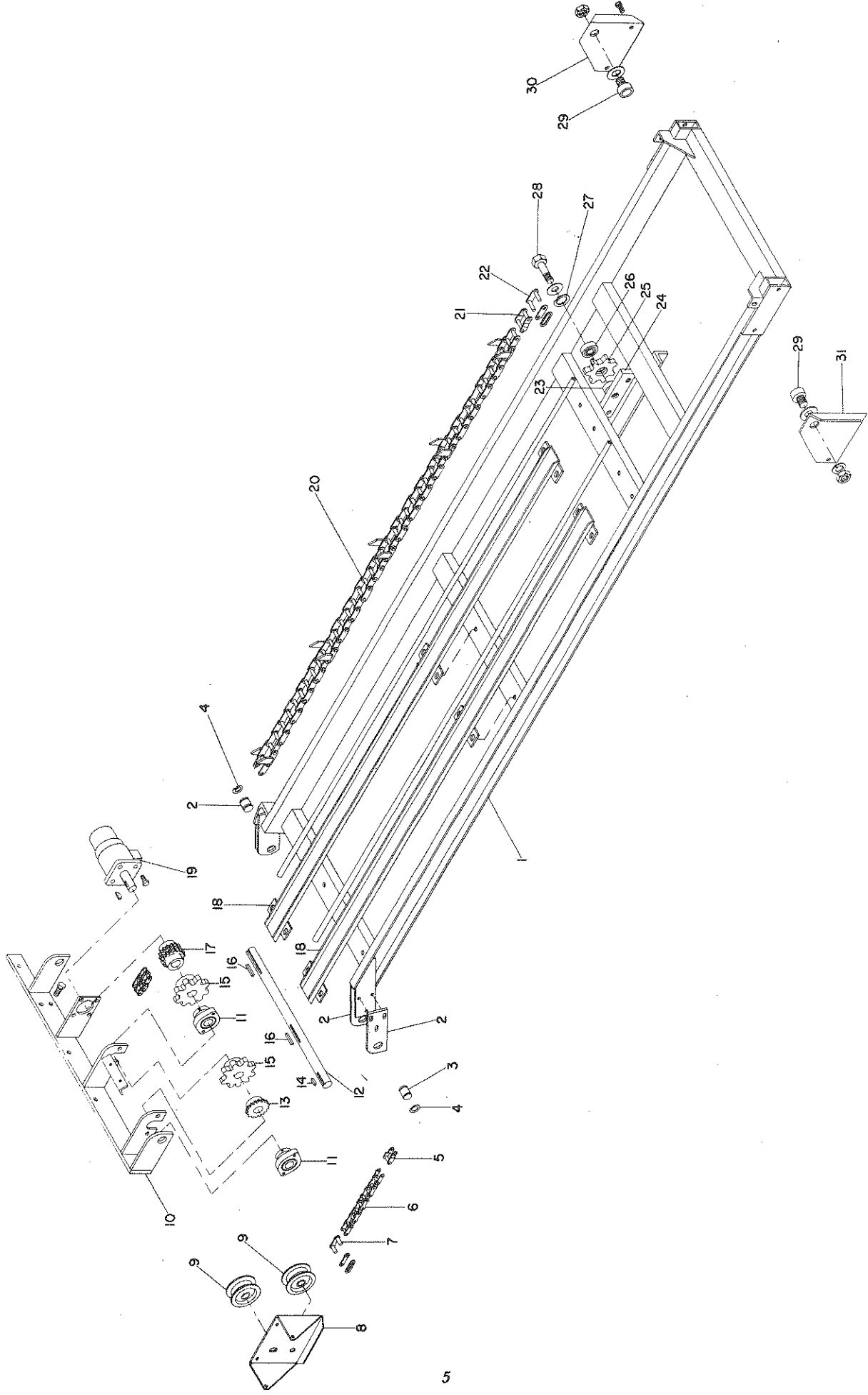
PICK UP LIFT

REF. NO.	PART NO.	DESCRIPTION
1		5/8" x 2" NCHT Cap Screw
2		5/8" x 2-1/2" NCHT Cap Screw, 8 used
3	10-123	Arm, Pick up Support
4		1/4"-28 Zerk, 2 used
5	10-124	Pivot Tube, Pick up Support Arm
6	01-550	Hydraulic Cylinder, 2-1/2" x 8" Cross
	01-561	Seal Kit for 01-550 Cylinder
	01-569	Hydraulic Cylinder, 2-1/2" x 8" Victor
	01-570	Seal Kit for 01-569 Cylinder
7	06-102	Pin with Keeper
8		3/8" x 2-1/4" Cap Screw, 3 used
9	10-134	End Block
10		5/8" NC Jam Nut
11	10-105	Eye Bolt
	10-155	Spring Bolt, Conical Head
12	04-102	Spring, Hook Both Ends
	04-123	Spring, Hook One End
13	10-136	Lever
14		1" x 6" NCHT Cap Screw
15	10-150	Chain, 17 Links BL834
16	10-138	Bearing, Pickup Support Arm Pivot Tube
17		5/8" x 2 1/4" NCHT Cap Screw, 7 used



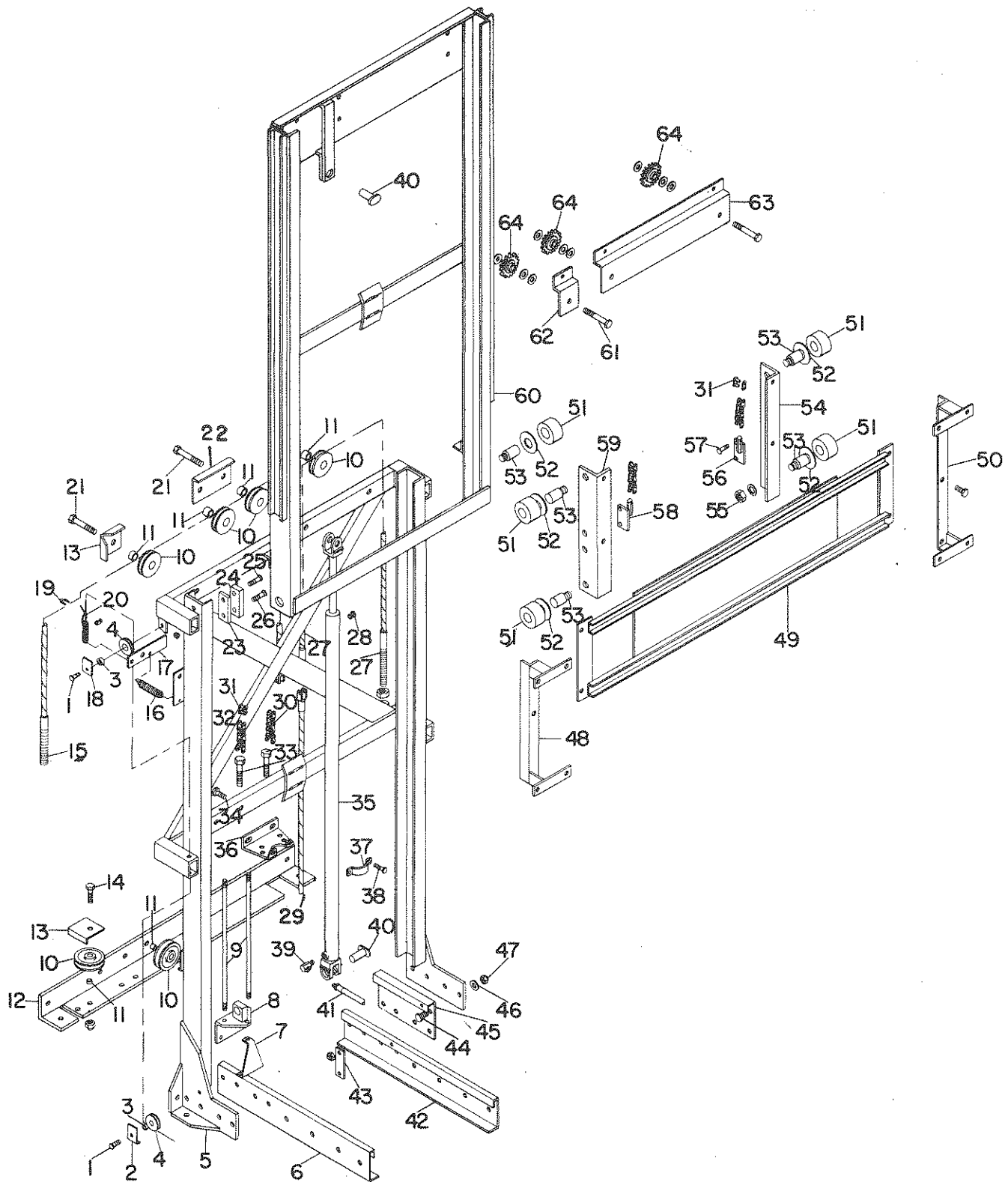
FRONT ELEVATOR

REF. NO.	PART NO.	DESCRIPTION
	10-904	Front Elevator Complete
1	10-109	Frame
2	02-101	Roller, BCA 6206, 2 used
3		1" Flat Washer
4	10-110	Plate, Roller Mount, RH
5		Jam Nut, 1" NF, 2 used
6	10-112	Drive Shaft
7		Key, 1/4" x 1/4" x 1-3/4", 2 used
8		Key, 1/4" x 1/4" x 1"
9		3/8" x 1/2" NC Socket Set Screw
10	02-104	Bearing, FLCT 1" Fafnir
11		5/16" x 1-1/4" NCHT Cap Screw, 4 used
12	05-101	Sprocket, 8 tooth, 550, 2 used
13	05-901	Chain Coupler, D4016 x 1" x 1"
	05-111	Chain Coupler Half, 1" Bore
	05-112	Coupler Chain
14	01-601	Hydraulic Motor, Char-Lynn A5K
	01-618	Seal Kit for 01-601
15		Woodruff Key, No. 808
16	10-113	Chain Track, 2 used
17	10-106	Bale Guide, 2 used
18		3/8" x 1" N.C. Socket Button Head Cap Screw
19	10-115	Bale Lifter
20	10-139	Center Bale Guide
21	10-129	Chain, Front Elevator, 136P No. 550
22	10-111	Plate, Roller Mount LH
23	10-148	Bale Guide Support
24	10-149	Bale Guide Support Bracket
25		5/16" x 1" NCHT Cap Screw, 20 used
26	05-108	Offset Link, No. 550, 2 used
27	05-107	Connector Link, No. 550, 2 used
28	F 440	Ferrule
29	10-116	Pin, 1" Dia., 2 used
30		Nut, 1" N.C. Castelated, 2 used
31	10-114	Tightener Bracket, Elevator Chain, 2 used
32	F 172	3/4" Set Collar, 2 used
33	05-104	Sprocket, 7 Tooth Idler, 550, 2 used
34	02-102	Bearing, P204 KRN-P2 Fafnir, 2 used
35	06-117	Snap Ring, N5000-181 Truarc, 2 used
36		Machinery Bushing, 3/4" x 12 ga., 2 used
37		3/4" x 3" NCHT Cap Screw, 2 used.
38	05-902	Sprocket with Bearing, 7 Tooth Idler, 550
39	10-152	Bale Guide Adapter, 2 Tie
40	10-153	Bale Guide, 2 Tie
41	10-154	Bale Deflector, 2 Tie



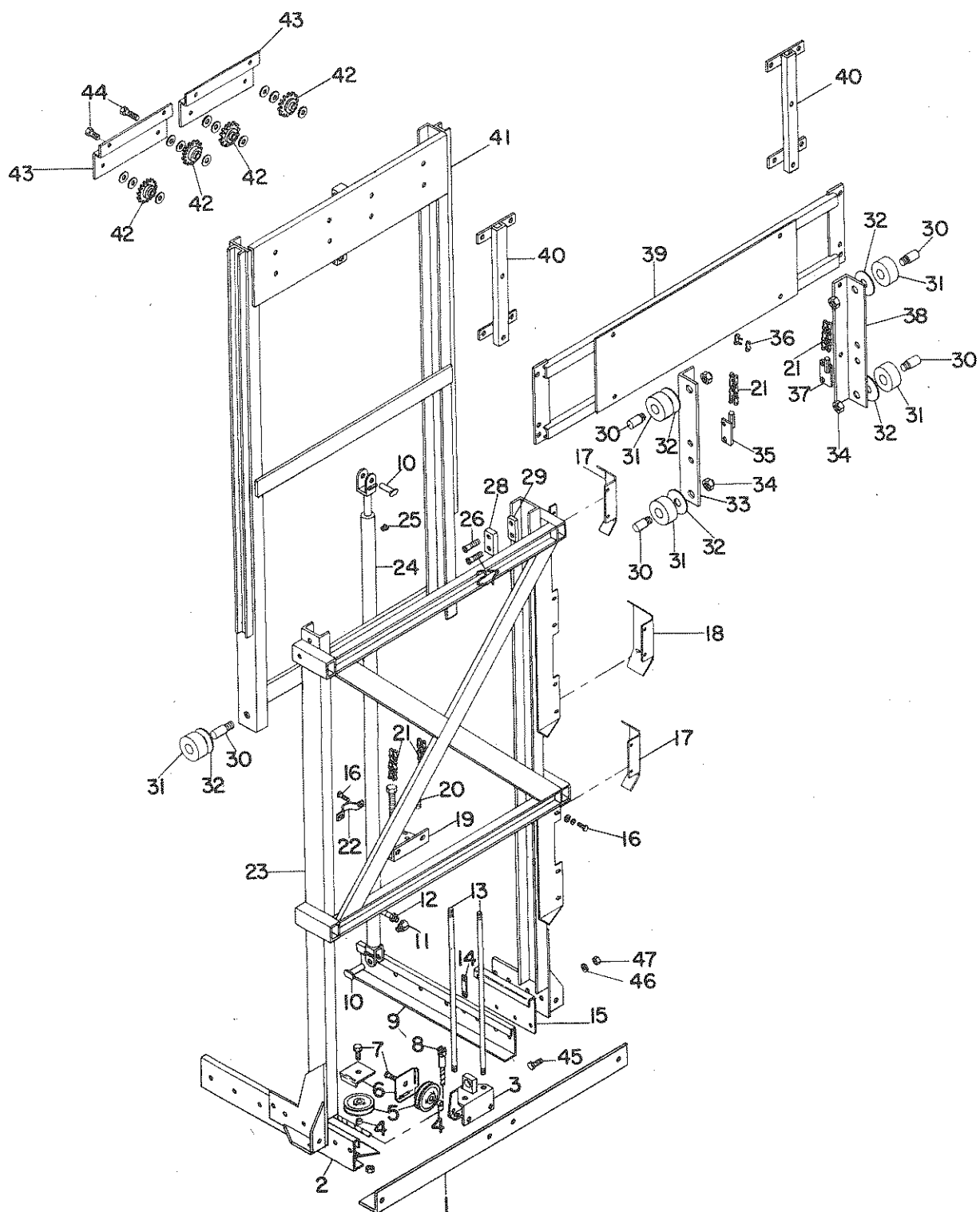
REAR ELEVATOR

REF. NO.	PART NO.	DESCRIPTION
	10-905	Rear Elevator Complete
1	10-131	Frame
2	10-135	Pickup mount, 2 used
3	10-119	Pin, Pickup Pivot, 2 used
4	F 857	Snap Ring, x5133-98 Truare
5	F 123	Offset Link, No. RC 50
6	05-209	Chain, Cage Conveyor, 101P, No. RC 50
7	F 25	Connecting Link, No. RC 50
8	10-137	Mount Bracket, Chain Tightener
9	F 883	Idler Pulley, 2 used
10	10-151	Mounting Hinge, Rear Elevator
11	02-104	Bearing with Set Collar, FLCT 1" Fafnir
12	10-132	Drive Shaft
13	05-113	Sprocket, 50B14 x 1"
14		Key, 1/4" x 1"
15	05-101	Sprocket, 8 tooth, 2 used
16		Key 1/4" x 1-3/4", 2 used
17	05-901	Chain Coupler, D4016 x 1" x 1"
	05-111	Chain Coupler Half, 1" Bore
	05-112	Coupler Chain
18	10-140	Chain Track, 2 used
19	01-601	Hydraulic Motor, A5K Char-lynn
	01-618	Seal Kit
20	10-130	Chain 119P, No. 550
21	05-108	Offset Link, No. 550
22	05-107	Connecting Link, 550
23	F 172	Set Collar, 3/4"
24	10-118	Tightener Bracket
25	05-104	Sprocket, 7 tooth, Idler No. 550
	05-902	Sprocket with Bearing, 7 tooth Idler, 550
26	02-102	Bearing, P204KRN-P2
27	06-117	Snap Ring, N5000-181 Truarc
28		3/4" x 2-1/2" NCHT Cap Screw
29	02-101	Roller, 6296 BCA
30	10-111	Roller Mount Plate, LH
31	10-110	Roller Mount Plate, RH
32		3/8" x 1" NCHT Cap Screw
33		1/2" x 2-1/4" NCHT Cap Screw
34		1/4" x 1" Woodruff Key
35		3/8" x 3/4" NCHT Cap Screw
36		5/16" x 1-1/2" NCHT Cap Screw



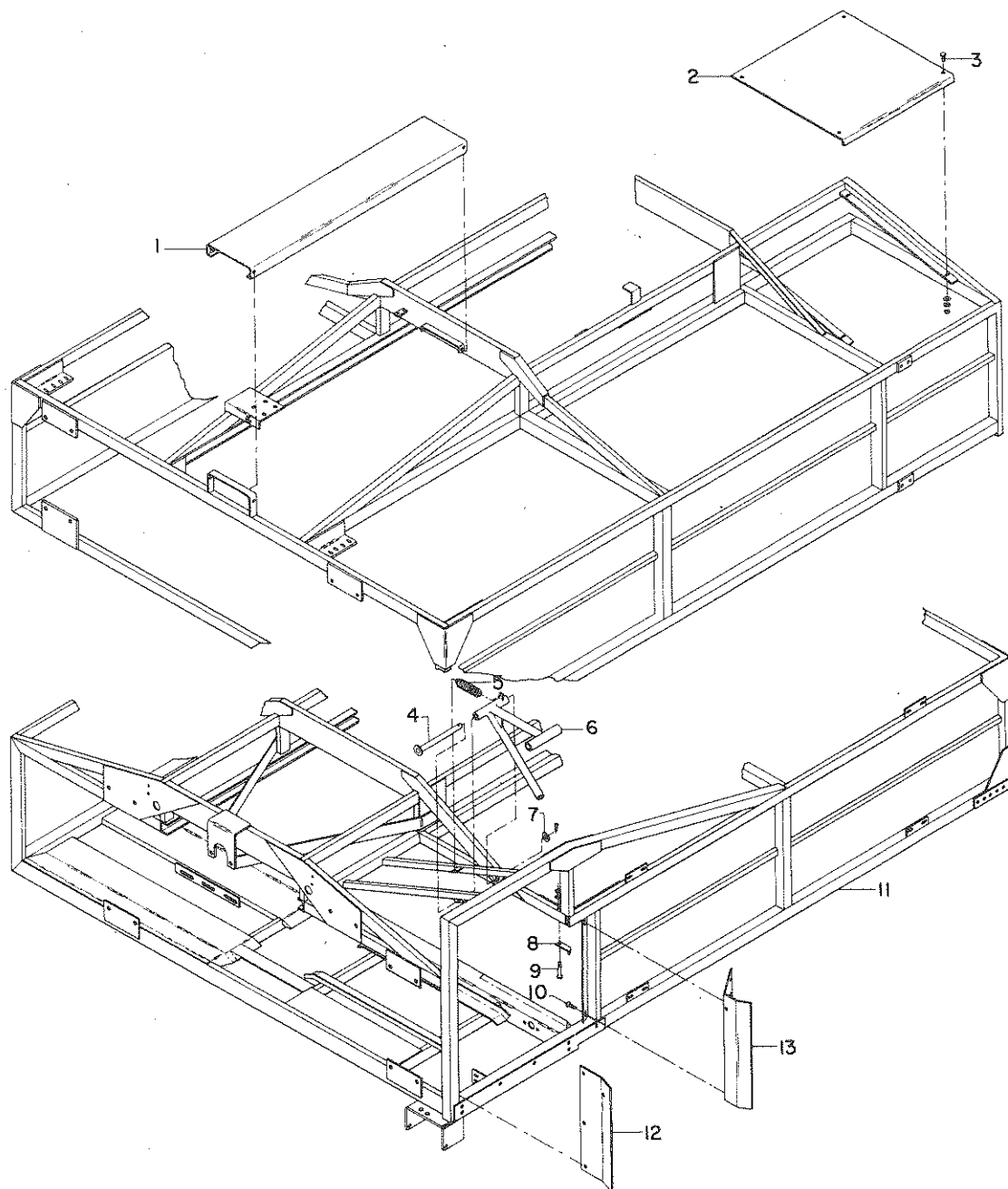
RIGHT HAND SIDE MAST

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1		1/4" x 1-1/2" N.C. Cap Screw	33	12-114	Chain Anchor, 2 used
2	F 994	Shield for Roller	34		3/8" x 1-1/2" NCHT Cap Screw
3	F 4068	Bushing	35	01-566	Hydraulic Cylinder, LC 25 x 63 SP Hypower
4	F 4067	Roller		01-567	Seal Kit for 01-566
5	12-105	Side Mast Frame, Outer	36	12-152	Support, Side Mast Cylinder
6	12-163	Outrigger, Front	37	12-153	Clamp, Side Mast Cylinder
7	12-160	Cylinder Support Bracket	38		3/8" x 1" NCHT Cap Screw, 4 used
8	12-110	Ram Bracket	39	01-312	1/2" x 90 degrees Swivel Adapter, 9405 x 8 x 8 WH
9	12-109	Tie Rod, Side Mast Cylinder Mount	40	06-113	Pin with Keeper
10	05-109	Roller, 000235 Van Dale, 6 used	41	01-251	3/8" Hydraulic Hose, 51"
11	02-107	Bushing, M-18 Torrington, 6 used	42	12-164	Outrigger, Rear
12	12-165	Support Angle	43	12-162	Brace, Rear Outrigger
13	12-131	Guide, Single Roller, 4 used	44		5/8" x 1-3/4" NF Cap Screw, 20 used
14		1/2" x 2-1/4" N.C. Cap Screw	45	12-161	Rear Outrigger Extension
15	12-150	Lift Cable, Right Front	46		5/8" Heavy Duty Lock Washer, 20 used
16	F 747	Spring	47		5/8" NF Nut, 20 used
17	12-166	Trip, Safety Latch	48	12-128	Cage Support, Front
18	F 995	Shield for F 4067 Roller	49	12-124	Apron
19	F 990	Cable Clamp, 2 used	50	12-154	Rear Cage Support
20	18-188	Cable, 5/32" x 186"	51	12-117	Roller Guide, 4 used
21		1/2" x 2" N.C. Allen Head Button Cap Screw, 4 used	52	F 602	Washer, 1-1/8" x 14 ga., Hardened
22	12-130	Guide, Double Roller	53	12-116	Stud, Guide Roller, 6 used
23	12-118	Spacer Block, 2 used	54	12-123	Apron Roller Angle, Rear
24	12-119	Top Guide, Side Mast, 2 used	55		1" NF Jam Nut
25		1/2" x 2-1/2" N.C. Socket, Flat Head Cap Screw, 2 used	56	12-125	Rear Chain Anchor
26		1/2" x 3" N.C. Socket Flat Head Cap Screw, 2 used	57		3/8" x 1-1/2" NCHT Cap Screw
27	12-151	Lift Cable, Rear	58	12-126	Front Chain Anchor
28	01-603	Breather, 3/8", PM-BHF-4 Prince	59	12-122	Apron Roller Angle, Front
29	12-159	Cable, Side Mast Equalizer, 260"	60	12-106	Inner Frame, Side Mast
30	05-137	Lift Chain, Rear, 92 Pitch, 2060RC	61		5/8" x 2-1/2" NCHT Cap Screw, 3 used
31	F 760	Connecting Link, RC60	62	12-120	Chain Guide, Front
	05-145	Connecting Link, RC2060	63	12-121	Chain Guide, Rear
32	05-138	Lift Chain, Front, 76 Pitch, 2060RC	64	02-108	Idler Sprocket, 01011536 Fafnir, 3 used



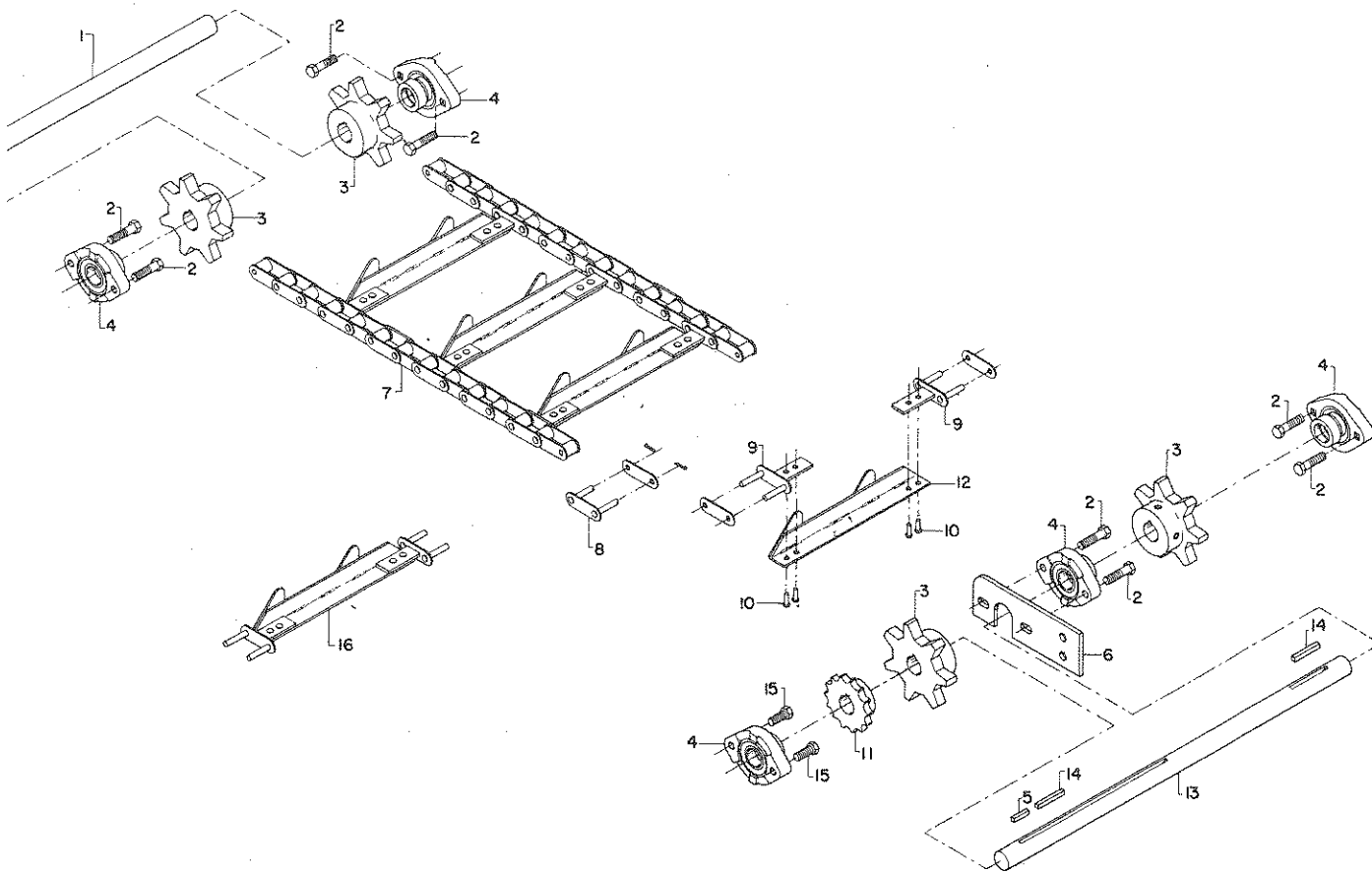
L.H. SIDE MAST

REF. NO.	PART NO.	DESCRIPTION
1	12-156	Support Angle, LH
2	12-157	Outrigger, LH Rear
3	12-127	Ram Bracket
4	02-107	Bushing, M-18 Torrington
5	05-109	Cable Roller, 000235 Van Dale
6	12-131	Guide, Single Roller, 2 used
7		1/2" x 2-1/4" N.C. Cap Screw, 2 used
8	12-159	Cable, Side Mast Equalizer, 260"
9	12-158	Outrigger, LH Front
10	06-113	Pin With Keeper
11	01-301	1/2" x 45 degrees Swivel adapter, 9355 x 8 x 8 WH
12	01-250	3/8" hyd. Hose, 34"
13	12-109	Tie Rod, Side Mast Cylinder Mount, 2 used
14	12-162	Brace, Rear Outrigger Extension
15	12-161	Rear Outrigger Extension
16		3/8" x 1-1/4" N.C. Cap Screw, 6 used
17	12-182	Tie Cam
18	12-183	Interlocking Tie Cam
19	12-152	Support, Side Mast Cylinder
20	12-114	Chain Anchor, 2 used
21	05-139	Lift Chain, 84 pitch, 2060RC, 2 used
22	12-153	Clamp, Side Mast Cylinder
23	12-138	Side Mast Frame, Outer LH
24	01-566	Hydraulic Cylinder, LC 25 x 63 Sp. Hypower
	01-567	Seal Kit for 01-566
25	01-603	Breather, 3/8", PM-BHF4 Prince
26		1/2" x 2-1/2" NCHT Socket Flat Head Cap Screw, 2 used
27		1/2" x 3" NCHT Socket Flat Head Cap Screw, 2 used
28	12-119	Top Guide, Side Mast, 2 used
29	12-118	Spacer Block, 2 used
30	12-116	Stud, Guide Roller, 6 used
31	12-117	Guide Roller, 6 used
32	F 602	Hardened Washer, 1-1/8" x 14 ga.
33	12-123	Apron Roller Angle, Front
34		1" NF Jam Nut
35	12-125	Chain Anchor, Front
36	F 760	Connecting Link RC60
	05-145	Connecting Link, RC2060
37	12-126	Chain Anchor, Rear
38	12-122	Apron Roller Angle, Rear
39	12-155	Side Mast Apron
40	12-146	Cage Support, 2 used
41	12-139	Side Mast Frame, Inner
42	02-108	Idler Sprocket 01011536 Fafnir
43	12-144	Chain Guide
44		5/8" x 2-1/2" NCHT Cap Screw, 4 used
45		5/8" x 1-3/4" NF Cap Screw, 20 used
46		5/8" Heavy Duty Lock Washer, 20 used
47		5/8" NF Nut, 20 used



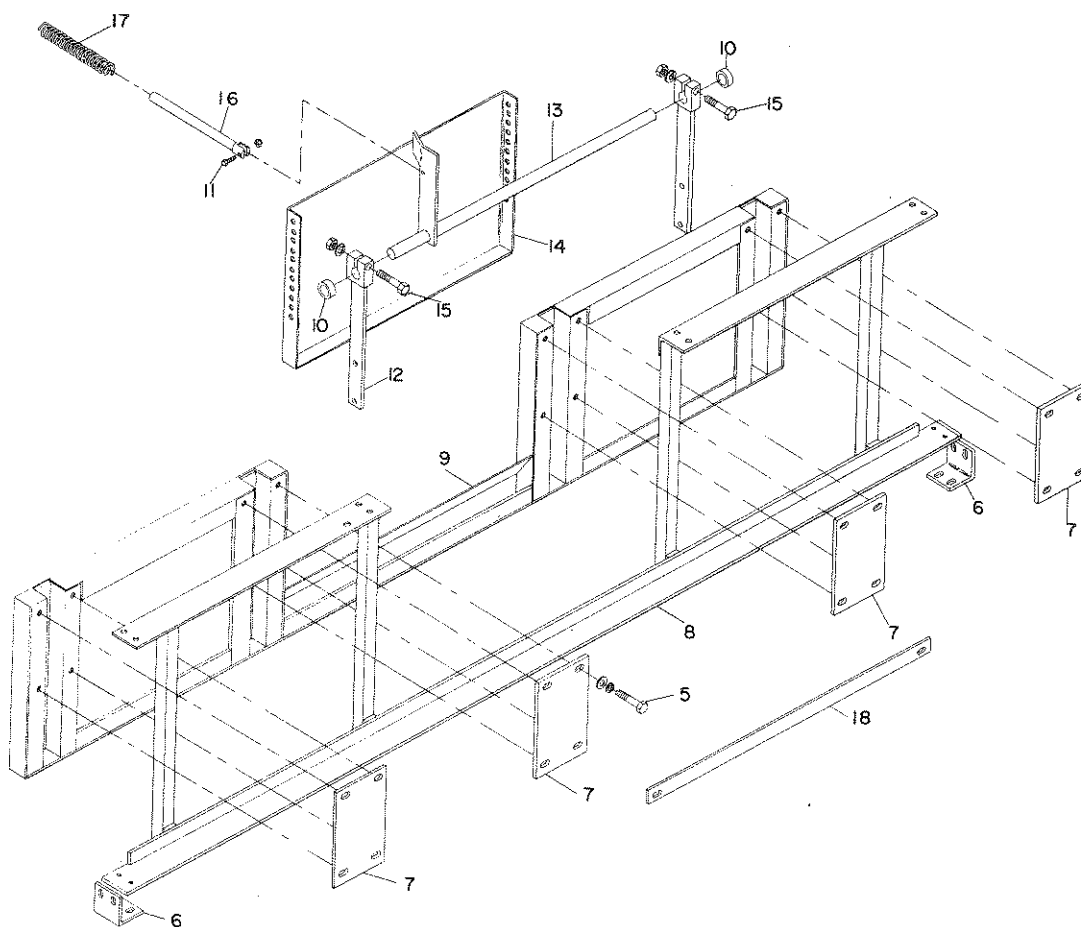
CAGE

REF. NO.	PART NO.	DESCRIPTION
1	11-237	Shield, Pusher Cylinder
2	11-238	Shield, Pusher
3		5/16" x 1" N.C. Cap Screw
4	11-102	Pin, Bale Kicker
5	F 747	Spring
6	11-103	Bale Kicker
7		1/2" Washer
8	11-225	Shield Bracket
9		3/8" x 2-3/4" N.C. Cap Screw
10		3/8" x 1-1/4" Button Head Bolt
11	11-212	Cage Frame
12	11-211	Bale Guide for Cage Ext., RH
13	11-209	Bale Guide for Cage Ext., LH

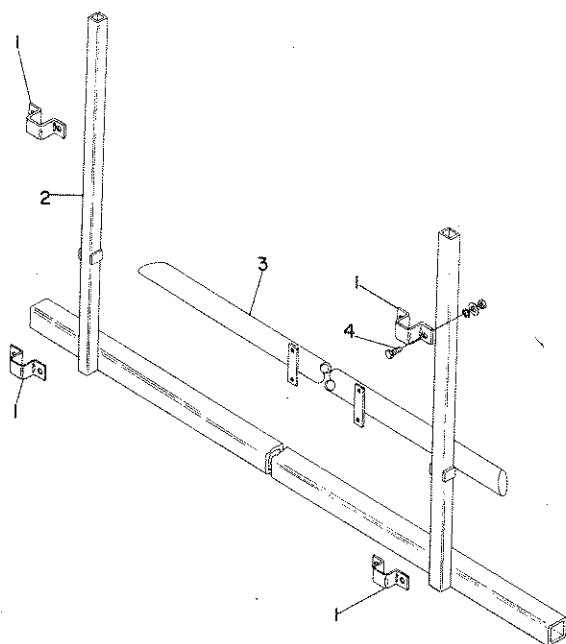


CAGE CONVEYOR

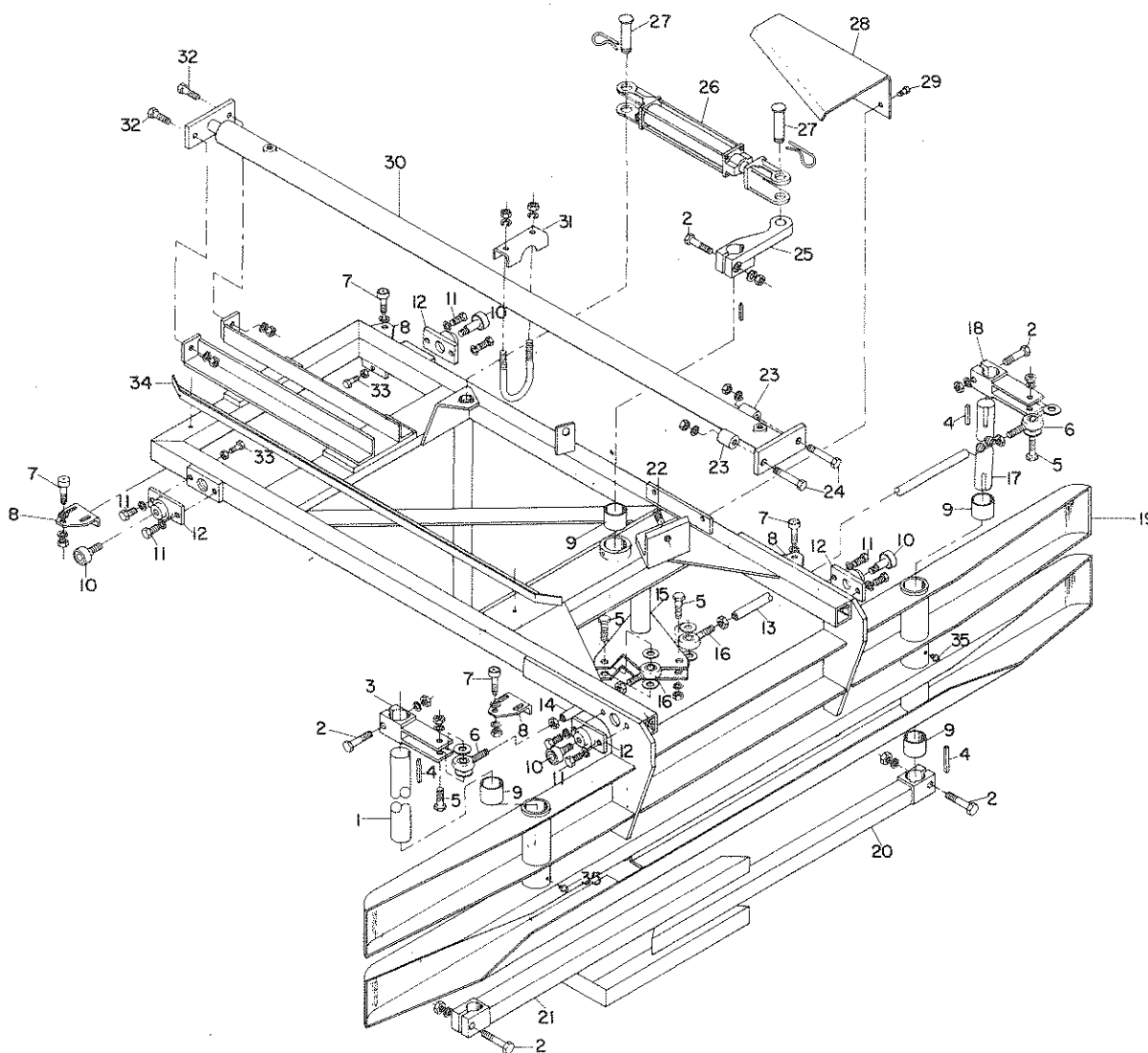
REF. NO.	PART NO.	DESCRIPTION
1	11-247	Idler Shaft
2		3/8" x 1 1/2" NCHT Cap Screw, 8 used
3	05-121	Sprocket 7 tooth, 1" Bore No. 550, 4 used
4	02-104	Bearing, 1" Flange, FLCT 1", 4 used
5		Key, 1/4" x 1"
6	11-248	Center Bearing Mount
7	11-903	Chain, 60 Pitch, each side
8	05-107	Connecting Link, No. 550
9	05-123	Attachment Link with Slat Mount, CA 550
10		1/4" x 5/8" Round Head Rivet
11	05-113	Sprocket, 50B14 x 1
12	11-249	Slat only
13	11-251	Drive Shaft
14		Key 1/4" x 1-3/4"
15		3/8" x 1" NCHT Cap Screw
16	11-250	Slat Complete With Links



CAGE INDEX AND BALE SUPPORT

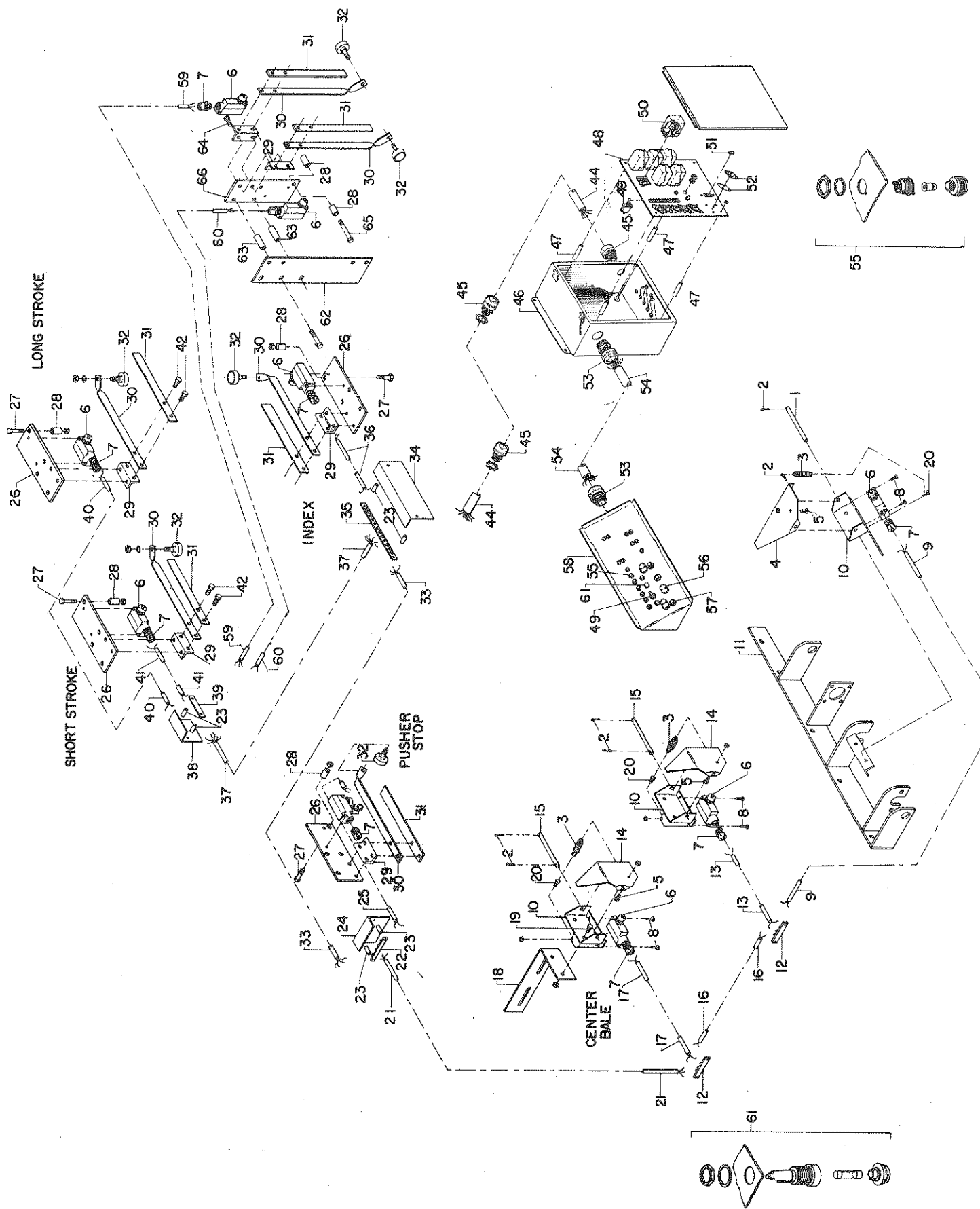


REF. NO.	PART NO.	DESCRIPTION
1	11-220	Bracket, Front Bale Support, 4 used
2	11-219	Front Bale Support
3	11-128	Bale Guide Tube
4		3/8" x 1-1/4" N.C. Cap Screw
5		3/8" x 3/4" NCHT Cap Screw, 24 used
6	11-127	Mount Angle, Bale Support, 2 used
7	11-126	Guide Plate, Bale Support, 4 used
8	11-192	Mounting Bracket, Bale Support
9	11-124	Bale Support
10	05-124	1" Set Collar, 2 used
11		1/4"x1 1/2" N.C. Cap Screw, 2 used
12	11-218	Arm for Index Shaft, 2 used
13	11-246	Index Shaft
14	11-122	Skid, Index
15		1/2" x 2 - 3/4" NFHT Cap Screw, 2 used
16	11-121	Rod, Index Valve Return, F1643
17	04-105	Spring, 461 Winks
18	11-270	Index Stop



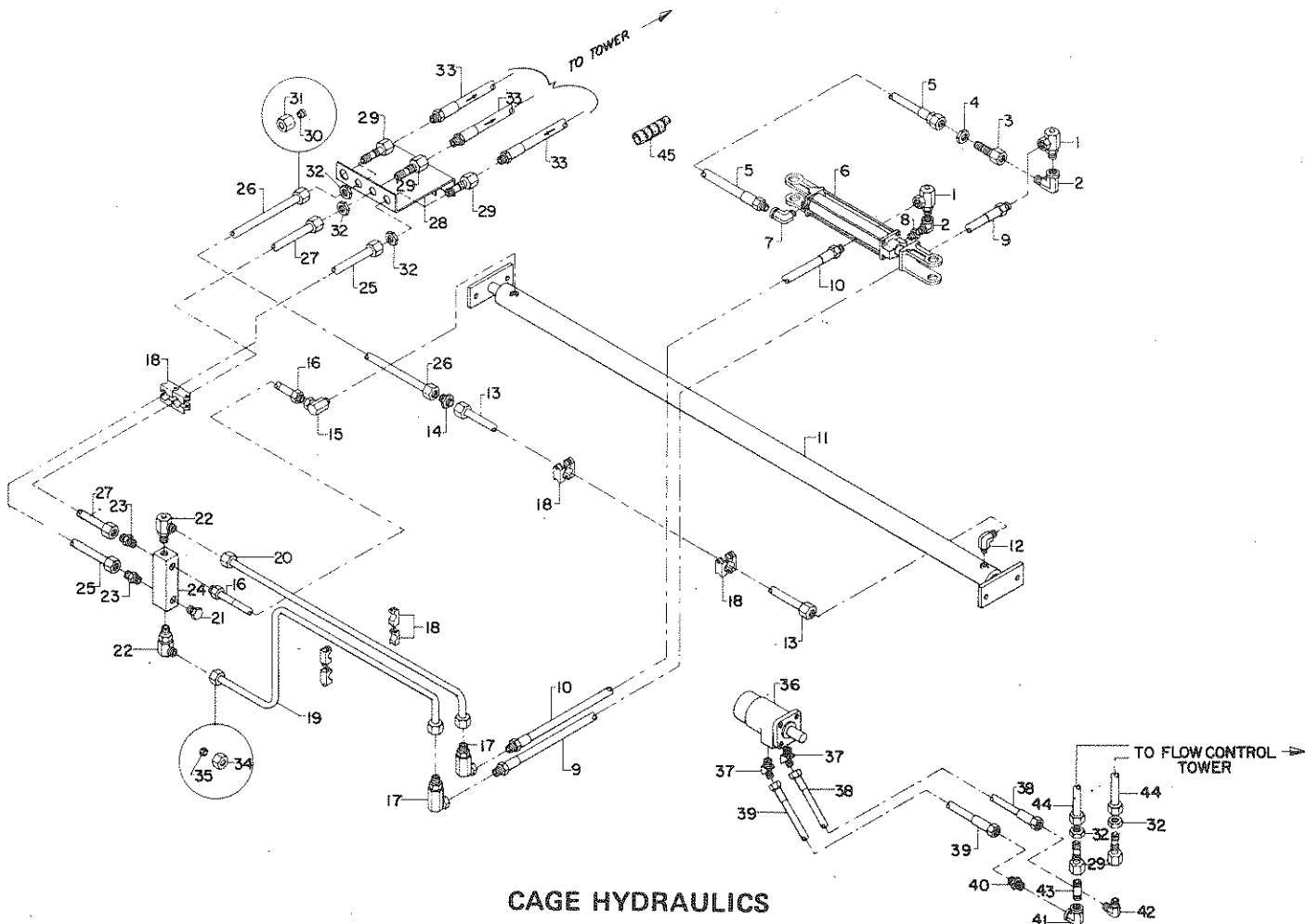
CAGE PUSHER

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	11-171	Shaft, Tie Arm, Rear	20	11-169	Front Tie Arm
2		1/2" x 2-3/4" NCHT Cap Screw, 5 used	21	11-168	Rear Tie Arm
3	11-203	Tie Arm Lever, rear	22		3/4" x 1-3/4" Square Head Set Screw
4		3/8" x 1-7/8" Key, 5 used	23	11-109	Spacer, 2 used
5		1/2" x 2" NCHT Cap Screw, 4 used	24		1/2" x 4" NCHT Cap Screw, 2 used
6	02-121	Rod End, 1/2" RH Male, FRE-8N, 2 used	25	11-183	Lever, Tie Cylinder
7	02-160	Cam Follower, CF-1-S McGill, 4 used, F 822	26	01-553	Cylinder, PMC 8408 Prince
8	11-230	Mounting Plate, guide roller, 4 used		01-562	Seal Kit for 01-553
9	02-106	Oilite Bushing, 1-3/8", 1-1/2" x 1-1/2", AA1507 Kingwell	27	06-122	Pin with Keeper, 2 used
10	F 7598	Cam Roller, 4 used	28	11-180	Shield, Tie Cylinder
11		3/8" x 1" NCHT Cap Screw, 16 used	29		3/8" x 3/4" NCHT Cap Screw, 2 used
12	11-208	Roller Mount Plate for Pusher, 4 used	30	01-552	Hydraulic Cylinder, LC 2 x 65 SP Hypower
13	11-206	Connecting Rod, Front Tie Arm		01-559	Seal Kit for 01-552
14	11-204	Connecting Rod, Rear Tie Arm		01-574	Hydraulic Cylinder, 2x65, Freeman
15	11-205	Bell Crank		01-575	Seal Kit for 01-574
16	02-153	Rod End, 1/2" LH Male, FREL-8N, 2 used	31	06-145	Clamp, 2 1/2", "U" Bolt, 3-4885 BK
17	11-175	Shaft, Front Tie Arm	32		1/2" x 1 3/4" NCHT Cap Screw, 2 used
18	11-207	Lever, Front Tie Arm	33		3/8" x 1 1/4" NCHT Cap Screw, 2 used
19	11-244	Pusher Frame	34	11-245	Cam Pusher, Limit Switch
			35		1/4" - 28 Zerk Fitting, 3 used



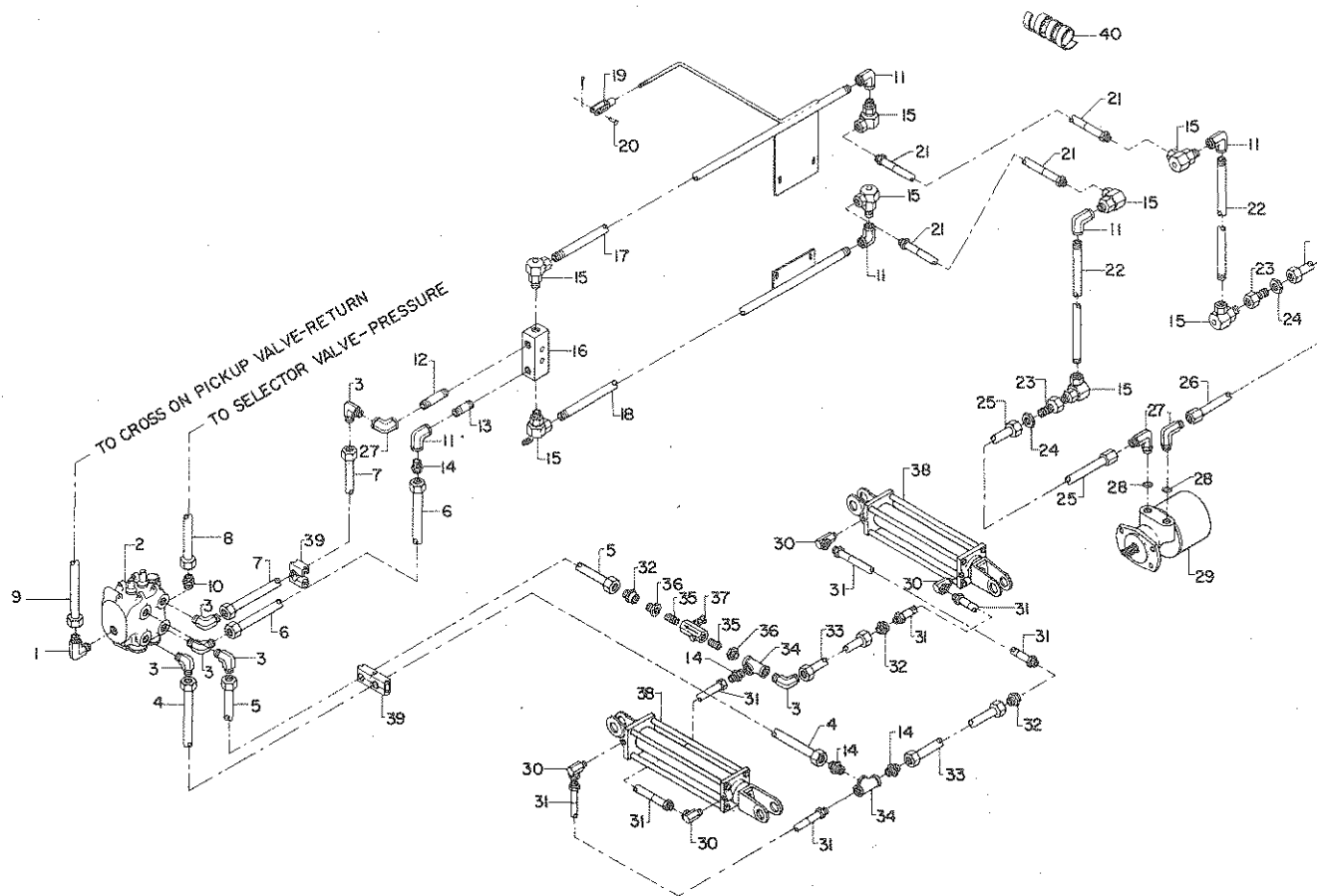
ELECTRIC CAGE CONTROLS

REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
1 11-256	Actuator pivot pin	36 03-172	2 conductor electric cord, 36"
2	1/8" x 1" cotter key	37 03-170	6 conductor electric cord, 60"
3 F278	Spring, 3 used	38 11-269	Shield for 6 post terminal
4 11-257	Actuator, limit switch	39 03-161	Terminal block, 6 post, 4721-P6
6 03-158	5/16" x 1" NC cap screw	40 03-173	2 conductor electric cord, 40"
03-178	Limit switch, BZG1-2RN Micro	41 03-174	2 conductor electric cord, 30"
03-177	Repair kit for 03-158, limit switch	42	3/8" x 3/4" cap screw
7	Connector, 1/2", CGB196 C-H	43	3/8" x 3" cap screw
8	10-32 x 1 1/2" machine screw	44 03-171	12 conductor electric cord, 232"
9 03-163	2 conductor electric cord, 44"	45 03-179	Connector, 3/4" CGB296 CH
10 11-258	Bracket, limit switch, 3 used	46 03-180	Box, with cover, A-1210LP
11 10-151	Mounting hinge, rear elevator	47 07-126	Spacer, 3/8" OD x 1 1/2" tubing
12 03-159	Terminal block, 3 post, 4721-P3	48 03-900	Relay Chassis complete
13 03-164	2 conductor electric cord, 17"	49 03-181	Switch, 1TL1-3 Micro
14 11-259	Actuator, limit switch, 2 used	50 03-182	Relay, W388CPX-10 Magnecraft
15 11-260	Actuator pivot pin, 2 used	51 03-183	Integrated circuit, MC140174CP Motorola
16 03-166	2 conductor electric cord, 57"	52 03-184	Transistor, 2N6055
17 03-165	2 conductor electric cord, 20"	03-185	Transistor Base, MK-15
18 11-261	Bracket mount, center bale switch	53 03-186	Connector, 1", CGB397 C-H
19	3/8" x 1" NC cap screw	54 03-187	20 conductor electric cord, 80"
20	1/4" x 1" NC Cap screw	55 03-188	Indicator lamp base, 162-8130-09-502
21 03-167	3 conductor electric cord, 126"	03-189	Indicator lamp lens, 178-0331-500
22 03-160	Terminal block, 4 post, 4721-P4	03-190	Indicator lamp bulb, 330GE
23 11-262	Spacer	56 03-119	Switch
24 11-263	Shield for 4 post terminal	57 03-191	Switch, 1PB4 Micro
25 03-169	2 conductor electric cord, 29"	58 17-235	Control panel only
26 11-264	Bracket, limit switch	03-901	Control panel complete
27	3/8" x 2" NC cap screw	59 03-175	3 conductor electric cord, 84"
28 11-265	Stop, actuator	60 03-176	2 conductor electric cord, 84"
29 11-266	Mounting bracket, limit switch actuator	61 03-192	Fuse holder, HKP Buss
30 11-267	Actuator, limit switch	03-193	Fuse, AGC15
31 11-268	Backing plate, limit switch actuator	62 11-254	Mount, bracket
32 F7598	Roller	63 11-235	Spacer
33 03-168	4 conductor electric cord, 114"	64	3/8" x 1 1/4" NC cap screw
34 11-253	Shield for 12 post terminal	65	3/8" x 3/4" NC cap screw
35 03-162	Terminal block, 12 post, 4721-P12	66 11-255	Mount, limit switch



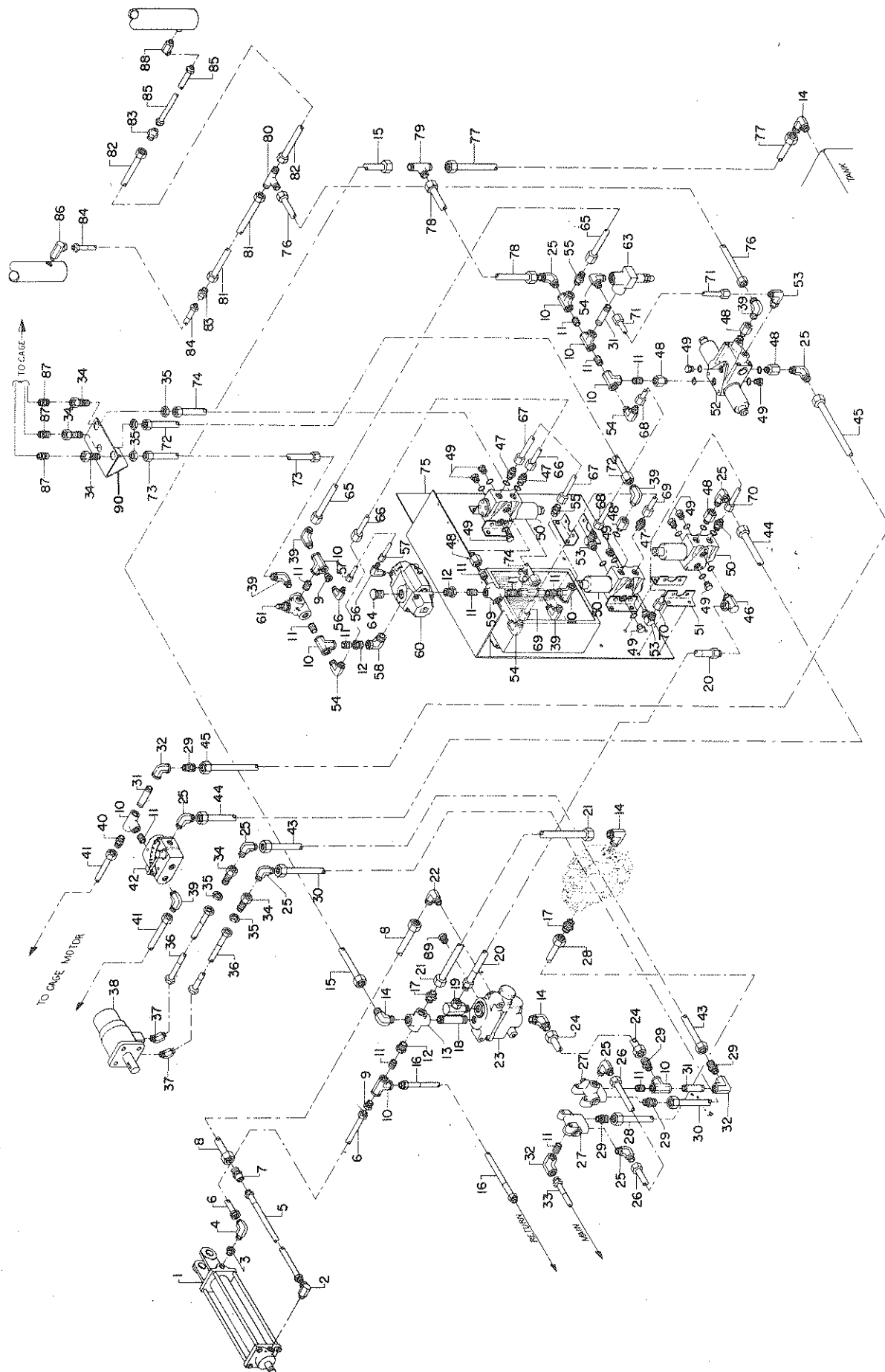
CAGE HYDRAULICS

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	01-419	3/8" x 90° rotating swivel fitting, 59UC x 06 x 06 x 06	20	01-145	5/8" Hydraulic tube, swivel arm, upper
	01-432	Seal kit, 59SK06	21	01-717	1/2" steel hex head plug, C3159 x 8 WH
2	01-731	3/8" x 90° steel street elbow, C3409 x 6 WH	22	01-418	1/2" x 90° rotating swivel fitting, 590Ax 10 x 08 x 08
3	01-421	1/2" female bulkhead connector, C5275 x 8 WH		01-433	Seal kit, 59SK-08 Imp.
4	01-422	1/2" bulkhead nut, C5924 x 8 WH	23	01-402	5/8" straight male connector, 8205 x 10 WH
5	01-237	3/8" hydraulic hose, 28"	24	01-604	Hydraulic swivel block
6	01-553	Hydraulic cylinder, 2" x 8", RMC 8408 Prince	25	01-180	5/8" hydraulic tube
	01-562	Seal kit for 01-553	26	01-181	5/8" hydraulic tube
7	01-729	1/2" x 90° steel street elbow, C3409 x 8 WH	27	01-182	5/8" hydraulic tube
8	01-713	1/2" x 3/8" steel bushing, C3109 x 8 x 6 WH	28	11-229	Hose mount plate
9	01-209	3/8" hydraulic hose, 21"	29	01-416	5/8" female bulkhead connector, C5275 x 10 WH
10	01-238	3/8" hydraulic hose, 23"	30	01-431	5/8" sleeve, JIC, C5165 x 10 WH
11	01-574	Pusher cylinder, Freeman	31	01-430	5/8" nut, JIC, C5105 x 10 WH
	01-575	Seal kit for 01-574	32	01-426	5/8" bulkhead nut, C5924 x 10 WH
	01-552	Pusher cylinder, LC2 x 65 SP Hypower	33	01-235	1/2" hydraulic hose, 90", 3 used
	01-559	Seal kit for 01-552	34	01-437	5/8" nut, 8105 x 10 WH
12	01-444	5/8" x 90° JIC male elbow, C5405 x 10 x 6 WH	35	01-438	5/8" sleeve, 8165 x 10 WH
13	01-179	5/8" hydraulic tube	36	01-601	Hydraulic motor, A5K Char-Lynn
14	F6241	5/8" tube union, 8305 x 10 WH	37	01-441	1/2" x 45° JIC male elbow, C5355 x 10 WH
15	01-321	1/2" x 90° swivel adapter, 9405 x 8 x 6 WH	38	01-264	1/2" hydraulic rubber hose, 49"
16	01-236	1/2" hydraulic hose, 26-1/2"	39	01-265	1/2" hydraulic rubber hose, 51"
17	01-420	1/2" x 90° rotating swivel fitting, 590K-08-10-08 Imp.	40	01-442	1/2" JIC straight male connector, C5205 x 10 WH
	01-433	Seal kit, 59SK-08 Imp.	41	01-705	1/2" x 90° steel elbow, C3509 x 8 WH
18	06-105	5/8" tube clamp, 100-5/8 Gerard	42	01-443	5/8" x 90° JIC male elbow, C5405 x 10 WH
19	01-146	5/8" Hydraulic tube, swivel arm, lower	43	01-722	1/2" x 2" extra heavy black nipple
			44	01-261	1/2" hydraulic rubber hose, 75"
			45	07-124	Plastic hose wrap, 12 ft.



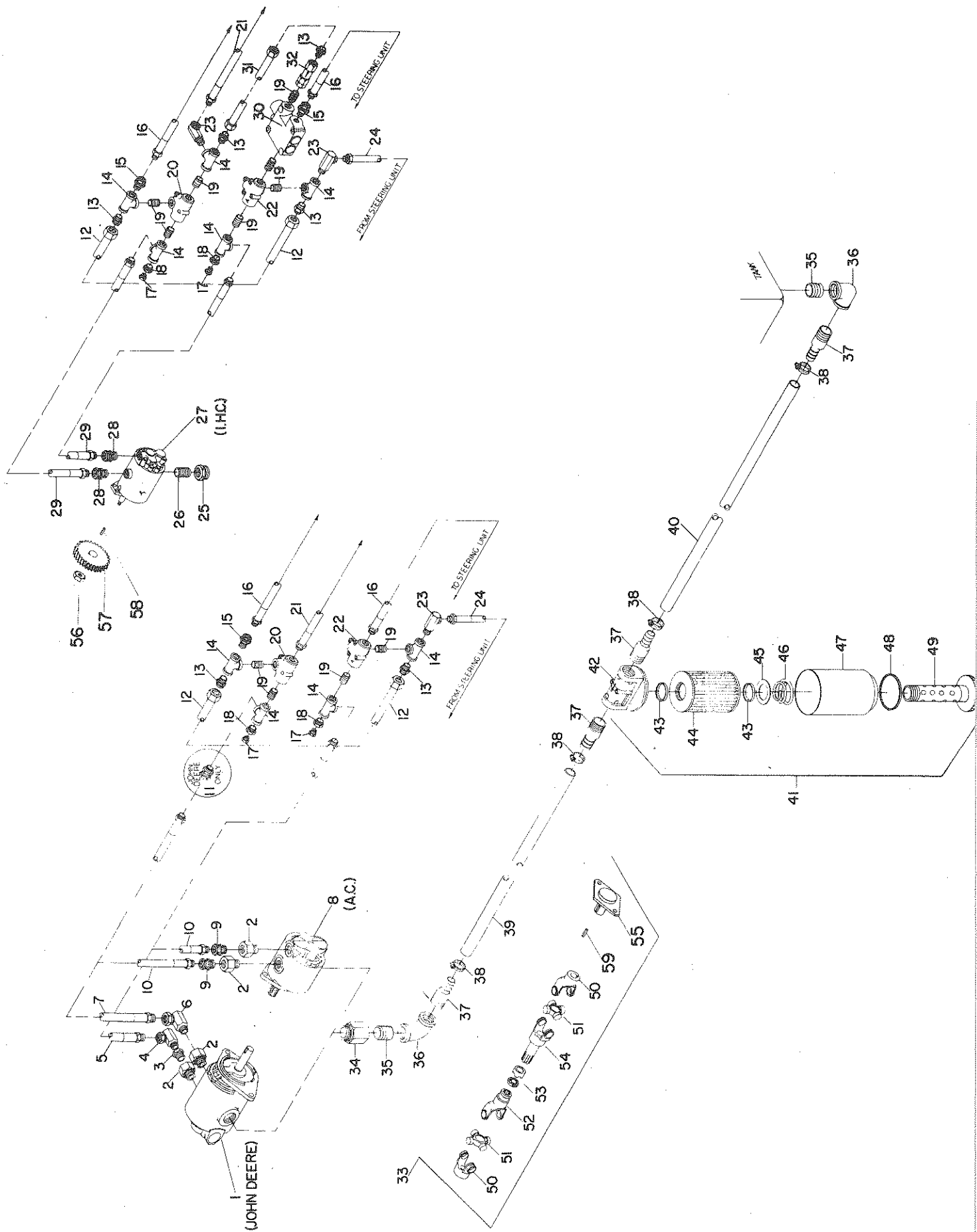
MAIN FRAME HYDRAULICS

REF. PART NO.	NO.	DESCRIPTION	REF. PART NO.	NO.	DESCRIPTION
1	01-401	3/4" x 90° Male Elbow, 8405 x 12 WH, 6 used	21	01-258	1/2" Hydraulic Hose, 118", 2 used
2	01-516	Valve, SP 4 x 4 NR Gresen	22	01-728	1/2" x 30" Extra Heavy Black Pipe, 2 used
3	01-403	5/8" x 90° Male Elbow, 8405 x 10 WH, 7 used	23	01-416	5/8" Female Bulkhead Connector, C5275 x 10 WH, 3 used
4	01-161	5/8" Tube, Valve to Tilt Cylinder	24	01-426	5/8" Bulkhead Nut, 3 used
5	01-157	5/8" Tube, Tilt Cylinder to Valve, Retract	25	01-158	5/8" Tube, Pusher Motor to Swivel Arm
6	01-160	5/8" Tube, Pusher Valve to Swivel block, Lower Port	26	01-176	5/8" Tube, Swivel Arm to Pusher Motor
7	01-159	5/8" Tube, Pusher Valve to Swivel Block, Upper Port	27	01-411	Straight Thread "O" Ring 90° Elbow, 7515 x 10 WH, 2 used
8	01-163	3/4" Tube, System Selector to Tilt Valve	28	01-436	"O" Ring for 7515 x 10 Fitting
9	01-174	3/4" Tube, Return Line, Tilt & Pusher Valve	29	01-607	Hydraulic Motor, MAB-16-002 Ross
10	01-404	3/4" Male Connector, 8205 x 12 WH	30	01-312	1/2" x 90° Swivel Adapter, 9405 x 8 x 8 WH, 5 used
11	01-705	1/2" x 90° Steel Elbow, C3509 x 8 WH, 8 used	31	01-256	3/8" Hydraulic Hose, 25", 4 used
12	01-723	1/2" x 3" Extra Heavy Black Nipple, 2 used	32	01-435	5/8" Female Connector, 8255 x 10 WH, 5 used
13	01-722	1/2" x 2" Extra Heavy Black Nipple	33	01-162	5/8" Tube, Tee to RH Tilt Cylinder, Retract
14	01-402	5/8" Male Connector, 8205 x 10 WH, 4 used	34	01-702	1/2" Tee, C3709 x 8 WH, 4 used
15	01-407	1/2" x 90° Swivel Joint, 59 UC-08 x 08 x 08 IMP, 8 used	35	01-718	3/8" Close Extra Heavy Black Nipple, 2 used
16	01-608	Swivel Block	36	01-713	1/2" x 3/8" Steel Bushing, C3109 x 8 x 6 WH, 2 used
17	01-632	Swivel Arm, Upper	37	01-508	Restrictor Valve, F25B Pneutrol
18	01-609	Swivel Arm, Lower	38	01-568	Cylinder, 9010 Prince, 2 used
19	06-125	3/8" Clevis	39	06-105	5/8" Tube Clamp, 100-5/8 Girard
20	06-126	Clevis Pin, 3/8"	40	07-125	Plastic Hose Wrap, 10 ft.



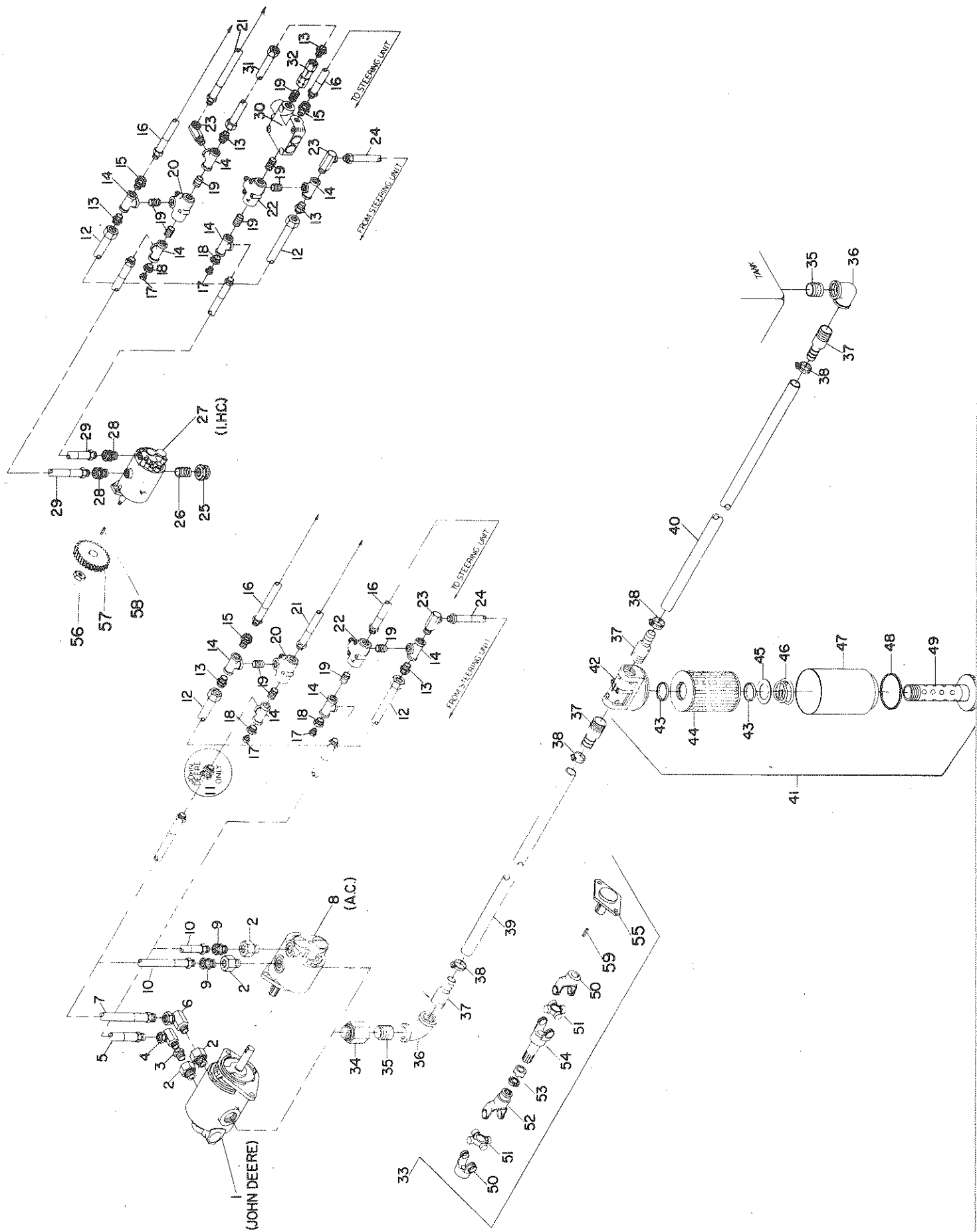
MAIN FRAME HYDRAULICS

REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
1 01-569	Hydraulic Cylinder, 2½" x 8" Victor	48 01-413	½" "O" ring adapter fitting, C5255 x 8 x 8 WH
01-570	Seal kit for 01-550	49 01-449	½" "O" ring plug
2 01-305	3/8 x 90° swivel adapter, 9405 x 6 x 6 WH	50 01-522	Single solenoid valve 4030-12 VDC
3 01-735	3/8" to ¼" bushing	03-142	Solenoid Coil only, 6002790
4 01-427	¼" x 90° male elbow, C5405 x 4 x 4 WH	51 16-138	Mounting bracket for solenoid valve
5 01-211	3/8" hydraulic hose, 24"	52 01-523	Double solenoid valve, 4413L-12 VDC
6 01-246	¼" hydraulic hose, 66"	03-142	Solenoid coil only, 6002790
7 01-435	5/8" female connector, 8255 x 10 WH	01-525	Pilot operated check valve only, "L"
8 01-164	5/8" hydraulic tube, pickup lift	53 01-446	½" x 90° "O" ring elbow, C5515 x 8 x 10 WH
9 01-712	½" x ¼" steel bushing, C3109 x 8 x 4 WH	54 01-447	½" x 90° male elbow, C5405 x 8 x 8 WH
10 01-702	½" tee, C3709 x 8 WH, 4 used	55 01-448	½" male connector, C5205 x 8 x 8 WH
11 01-720	½" close extra heavy black nipple, 3 used	56 01-427	¼" x 90° male elbow, C5405 x 4 x 4 WH
12 01-714	¾" x ½" steel bushing, C3109 x 12 x 8 WH	57 01-186	¼" hydraulic tube
13 01-734	¾" steel cross	58 01-707	¾" x 90° steel street elbow, C3409 x 12 WH
14 01-401	¾" x 90° male elbow, 8405 x 12 WH, 6 used	59 01-725	½" steel cross, C3959 x 8 WH
15 01-183	¾" hydraulic tube	60 01-517	Sequence valve, RCT-06-F-2-23
16 01-254	½" hydraulic hose, 48"	61 01-506	Relief valve, RD 11A cross
17 01-404	¾" male connector, 8205 x 12 WH	62 01-503	Check valve, ½" DC500 x 5 Brunning
18 01-726	¾" x 4" extra heavy black nipple	63 01-524	Relief valve, J50 Gresen
19 01-322	½" x 90° swivel adapter, 9405 x 8 x 12 WH	64 01-737	¾" steel pipe plug, C3159 x 12 WH
20 01-245	½" hydraulic hose, 18"	65 01-187	5/8" hydraulic tube
21 01-174	¾" hydraulic tube	66 01-188	½" hydraulic tube
22 01-403	5/8" x 90° male elbow, 8405 x 10 WH, 7 used	67 01-189	½" hydraulic tube
23 01-520	Valve, SPYE-3-NR-NH Gresen	68 01-190	½" hydraulic tube
24 01-167	¾" hydraulic tube, selector valve to pickup & cage valve	69 01-191	½" hydraulic tube
25 01-410	¾" x 90° male elbow, 8405 x 12 x 8 WH	70 01-192	½" hydraulic tube
26 01-150	¾" hydraulic tube, main selector to pickup control selector	71 01-193	½" hydraulic tube
27 01-504	Valve, S50 Gresen, 2 used	72 01-194	5/8" hydraulic tube
28 01-163	¾" hydraulic tube	73 01-195	5/8" hydraulic tube
29 01-409	¾" male connector, 8205 x 12 x 8 WH, 5 used	74 01-196	5/8" hydraulic tube
30 01-184	¾" hydraulic tube	75 16-139	Valve mounting plate
31 01-723	½" x 3" extra heavy black nipple, 2 used	76 01-197	5/8" hydraulic tube
32 01-705	½" x 90° steel elbow, C3509 x 8 WH, 8 used	77 01-198	¾" hydraulic tube
33 01-257	½" hydraulic hose, 28-½"	78 01-199	¾" hydraulic tube
34 01-416	5/8" female bulkhead connector, C5275 x 10 WH, 3 used	79 01-408	¾" tee union, 8705 x 12 WH
35 01-426	5/8" bulkhead nut, 3 used	80 01-412	5/8" tee union, 8705 x 10 WH, 2 used
36 01-260	½" hydraulic rubber hose, 62"	81 01-173	5/8" hydraulic tube, RH side mast cylinder
37 01-441	½" x 45° JIC male elbow, C5355 x 10 WH	82 01-177	5/8" hydraulic tube, LH side mast cylinder
38 01-601	Hydraulic Motor A5K Char-lynn	83 01-435	5/8" female connector, 8255 x 10 WH 5 used
39 01-443	5/8" x 90° JIC male elbow, C5405 x 10 WH	84 01-251	3/8" hydraulic hose, 51"
40 01-442	½" straight JIC male connector, C5205 x 10 WH	85 01-250	3/8" hydraulic hose, 34"
41 01-261	½" hydraulic rubber hose, 72"	86 01-312	½" x 90° swivel adapter, 9405 x 8 x 8 WH, 5 used
42 01-521	Flow control valve, FC51 ½" Brand	87 01-302	½" straight swivel adapter, 9205 x 8 x 8WH
43 01-185	¾" hydraulic tube	88 01-301	½" x 45° swivel adapter, 9355 x 8 x 8 WH
44 01-170	¾" hydraulic tube, pressure line, pickup selector to orbit motor	89 01-717	½" steel Hex head plug, C3159 x 8 WH
45 01-168	¾" hydraulic tube, return pickup motor	90 16-145	Hose mount plate, tower
46 01-306	½" x 90° ring swivel adapter, 9515 x 8 x 8		
47 01-445	½" "O" ring connector, C5315 x 8 x 10 WH		



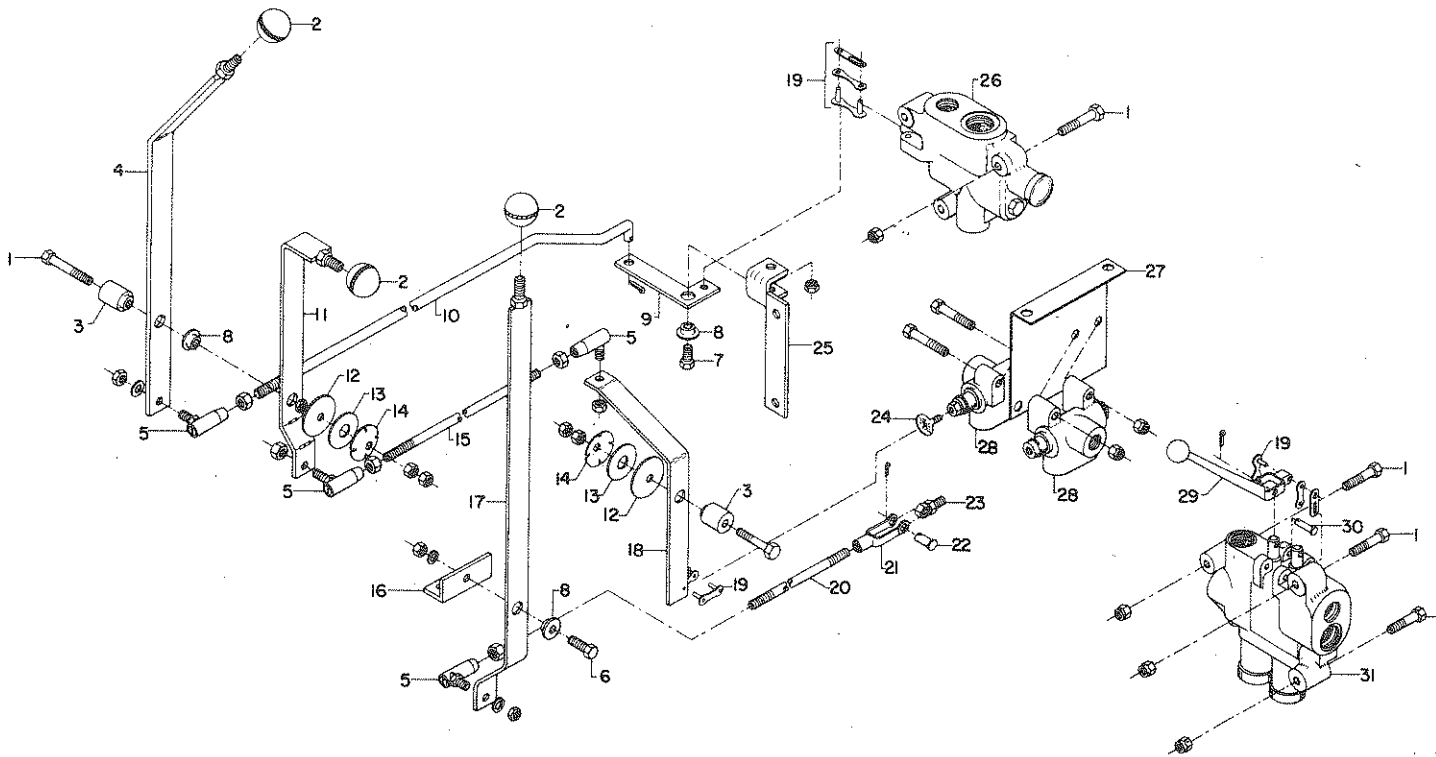
MAIN FRAME HYDRAULICS

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2 01-305	3/8 x 90° swivel adapter, 9405 x 6 x 6 WH	50 01-522	Single solenoid valve 4030-12 VDC
3 01-735	3/8" to ¼" bushing	03-142	Solenoid Coil only, 6002790
4 01-427	¼" x 90° male elbow, C5405 x 4 x 4 WH	51 16-138	Mounting bracket for solenoid valve
5 01-211	3/8" hydraulic hose, 24"	52 01-523	Double solenoid valve, 4413L-12 VDC
6 01-246	¼" hydraulic hose, 66"	03-142	Solenoid coil only, 6002790
7 01-435	5/8" female connector, 8255 x 10 WH	01-525	Pilot operated check valve only, "L"
8 01-164	5/8" hydraulic tube, pickup lift	53 01-446	½" x 90° "O" ring elbow, C5515 x 8 x 10 WH
9 01-712	½" x ¼" steel bushing, C3109 x 8 x 4 WH	54 01-447	½" x 90° male elbow, C5405 x 8 x 8 WH
10 01-702	½" tee, C3709 x 8 WH, 4 used	55 01-448	½" male connector, C5205 x 8 x 8 WH
11 01-720	½" close extra heavy black nipple, 3 used	56 01-427	¼" x 90° male elbow, C5405 x 4 x 4 WH
12 01-714	¾" x ½" steel bushing, C3109 x 12 x 8 WH	57 01-186	¼" hydraulic tube
13 01-734	¾" steel cross	58 01-707	¾" x 90° steel street elbow, C3409 x 12 WH
14 01-401	¾" x 90° male elbow, 8405 x 12 WH, 6 used	59 01-725	½" steel cross, C3959 x 8 WH
15 01-183	¾" hydraulic tube	60 01-517	Sequence valve, RCT-06-F-2-23
16 01-254	½" hydraulic hose, 48"	61 01-506	Relief valve, RD 11A cross
17 01-404	¾" male connector, 8205 x 12 WH	62 01-503	Check valve, ½" DC500 x 5 Brunning
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19 01-322	½" x 90° swivel adapter, 9405 x 8 x 12 WH	64 01-737	¾" steel pipe plug, C3159 x 12 WH
20 01-245	½" hydraulic hose, 18"	65 01-187	5/8" hydraulic tube
21 01-174	¾" hydraulic tube	66 01-188	½" hydraulic tube
22 01-403	5/8" x 90° male elbow, 8405 x 10 WH, 7 used	67 01-189	½" hydraulic tube
23 01-520	Valve, SPYE-3-NR-NH Gresen	68 01-190	½" hydraulic tube
24 01-167	¾" hydraulic tube, selector valve to pickup & cage valve	69 01-191	½" hydraulic tube
25 01-410	¾" x 90° male elbow, 8405 x 12 x 8 WH	70 01-192	½" hydraulic tube
26 01-150	¾" hydraulic tube, main selector to pickup control selector	71 01-193	½" hydraulic tube
27 01-504	Valve, S50 Gresen, 2 used	72 01-194	5/8" hydraulic tube
28 01-163	¾" hydraulic tube	73 01-195	5/8" hydraulic tube
29 01-409	¾" male connector, 8205 x 12 x 8 WH, 5 used	74 01-196	5/8" hydraulic tube
30 01-184	¾" hydraulic tube	75 16-139	Valve mounting plate
31 01-723	½" x 3" extra heavy black nipple, 2 used	76 01-197	5/8" hydraulic tube
32 01-705	½" x 90° steel elbow, C3509 x 8 WH, 8 used	77 01-198	¾" hydraulic tube
33 01-257	½" hydraulic hose, 28-½"	78 01-199	¾" hydraulic tube
34 01-416	5/8" female bulkhead connector, C5275 x 10 WH, 3 used	79 01-408	¾" tee union, 8705 x 12 WH
35 01-426	5/8" bulkhead nut, 3 used	80 01-412	5/8" tee union, 8705 x 10 WH, 2 used
36 01-260	½" hydraulic rubber hose, 62"	81 01-173	5/8" hydraulic tube, RH side mast cylinder
37 01-441	½" x 45° JIC male elbow, C5355 x 10 WH	82 01-177	5/8" hydraulic tube, LH side mast cylinder
38 01-601	Hydraulic Motor A5K Char-lynn	83 01-435	5/8" female connector, 8255 x 10 WH 5 used
39 01-443	5/8" x 90° JIC male elbow, C5405 x 10 WH	84 01-251	3/8" hydraulic hose, 51"
40 01-442	½" straight JIC male connector, C5205 x 10 WH	85 01-250	3/8" hydraulic hose, 34"
41 01-261	½" hydraulic rubber hose, 72"	86 01-312	½" x 90° swivel adapter, 9405 x 8 x 8 WH, 5 used
42 01-521	Flow control valve, FC51 ½" Brand	87 01-302	½" straight swivel adapter, 9205 x 8 x 8WH
43 01-185	¾" hydraulic tube	88 01-301	½" x 45° swivel adapter, 9355 x 8 x 8 WH
44 01-170	¾" hydraulic tube, pressure line, pickup selector to orbit motor	89 01-717	½" steel Hex head plug, C3159 x 8 WH
45 01-168	¾" hydraulic tube, return pickup motor	90 16-145	Hose mount plate, tower
46 01-306	½" x 90° ring swivel adapter, 9515 x 8 x 8		
47 01-445	½" "O" ring connector, C5315 x 8 x 10 WH		



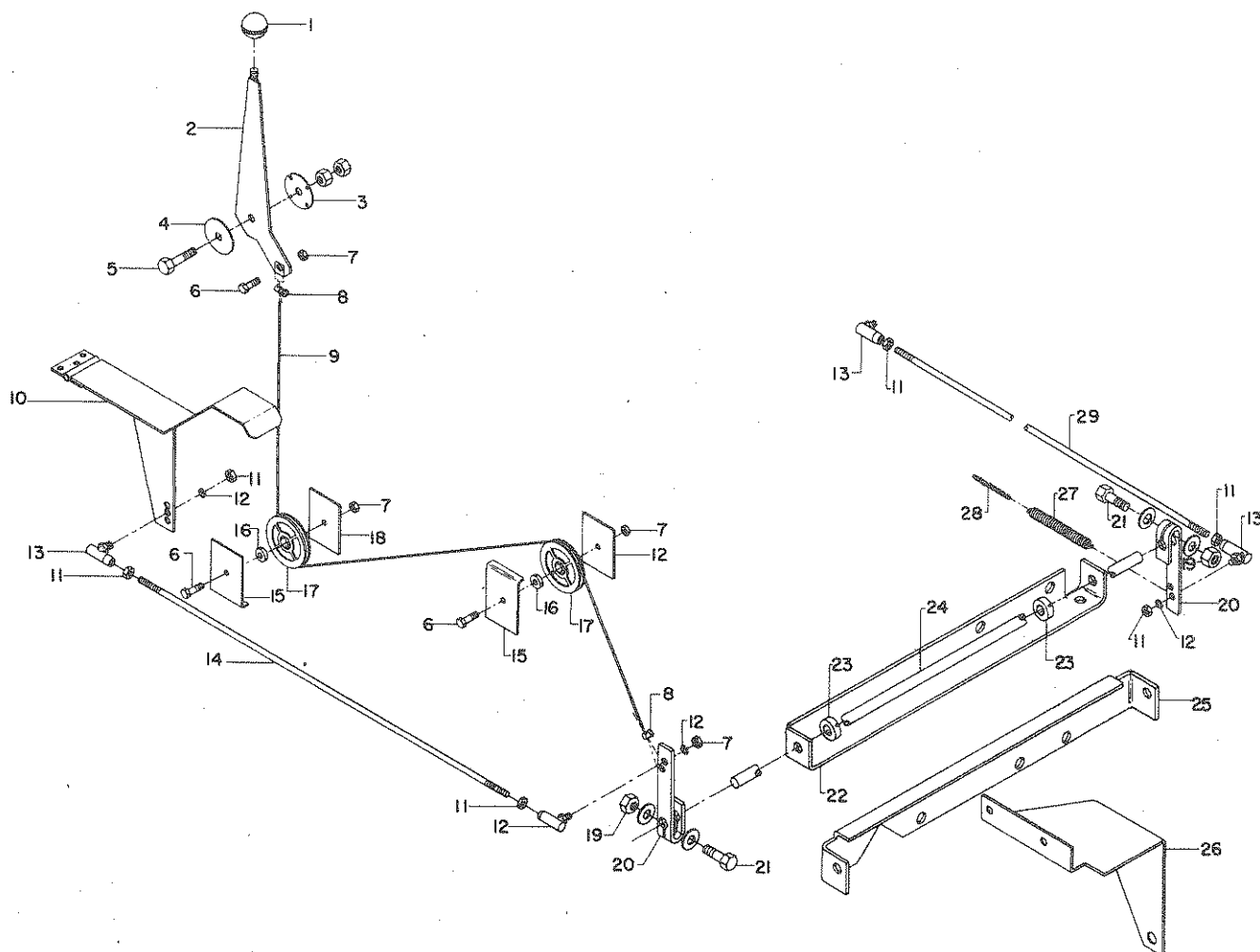
HYDRAULIC PUMPS

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	01-628	Pump, John Deere, 3YDS6/OYDLE Webster	28	01-317	7/8" "O" Ring Swivel Adapter, 9315 x 10 x 8 WH
2	01-732	3/4" Straight Thread Pipe Adapter, C3269 x 12 x 12 WH		01-325	7/8" "O" Ring, 7629 x 14 WH
	01-324	3/4" "O" Ring, 7629 x 12 WH	29	01-245	1/2" Hydraulic Hose, 18"
3	01-714	3/4" x 1/2" Steel Bushing, C3109 x 12 x 8 WH	30	01-518	Flow Divider, CFD 50 Gresen
4	01-312	1/2" x 90 degree Swivel Adapter, 9405 x 8 x 8 WH	31	01-147	5/8" By Pass Tube
5	01-252	1/2" Hydraulic Hose, 52"	32	01-503	Check Valve, DC500-5 Brunning
6	01-319	3/4" x 90 degree Swivel Adapter, 9405 x 12 x 12 WH	33	05-907	Pump Drive Assy
7	01-253	3/4" Rubber Hydraulic Hose, 52"	34	01-733	1-1/4" Straight Thread Pipe Adapter, C3269 x 20 x 20 WH
8	01-627	Pump, A.C. -2YDS6/OYDRE Webster		01-326	1-1/4" "O" Ring, 7629 x 20 WH
9	01-320	3/4" Straight Swivel Adapter, 9205 x 8 x 12 WH	35		1-1/4" Close Standard Black Nipple
10	01-259	1/2" Rubber Hydraulic Hose, 14"	36		1-1/4" x 90 degree Standard Black Elbow
11	01-323	3/4" Straight Swivel Adapter, 9205 x 12 x 8 WH	37	01-612	1-1/4" Hose Nipple, 73270018 Gates
12	01-154	5/8" Tube	38	06-121	Hose Clamp, 4-1203BK
13	01-402	5/8" Male Connector, 8205 x 10 WH	39	01-249	1-1/4" Rubber Hose, J.D., Front Suction
14	01-702	1/2" Steel Tee, C3709 x 8 WH		01-248	1-1/4" Rubber Hose, IHC & AC, 20", Front Suction
15	01-302	1/2" Straight Swivel Adapter, 9205 x 8 x 8 WH	40	01-228	1-1/4" Rubber Hose, 60" Rear Suction
16	01-254	1/2" Hydraulic Hose, 48"	41	01-611	Oil Filter FA203 Gresen
17	01-715	1/4" Steel Hex Head Plug, C3159 x 4 WH	42	01-620	Head Casting, 1560 Gresen
18	01-712	1/2" x 1/4" Steel Bushing, C3109 x 8 x 4 WH	43	01-621	Rubber Seal, 2174 Gresen
19	01-720	1/2" Close Extra Heavy Black Nipple	44	01-617	Filter Element, K23012
20	01-513	Relief Valve, RD 11 D Cross, 2000 psi	45	01-622	Backup Washer, 3277 Gresen
21	01-257	1/2" Hydraulic Hose, 28-1/2"	46	01-623	Conical Spring, 1563 Gresen
22	01-514	Relief Valve, RD 11 C Cross, 1500 psi	47	01-624	Filter Housing, 1557 Gresen
23	01-312	1/2" x 90 degree Swivel Adapter, 9405 x 8 x 8 WH	48	01-625	Center Post Seal Gasket, 1575 Gresen
24	01-255	1/2" Hydraulic Hose, 34"	49	01-626	Center Post, 1599 Gresen
25		3/4" x 1-1/4" Standard Black Hex Bushing	50	05-237	End Yoke, 10-4-53 Spicer
26		3/4" x Close Standard Black Nipple	51	05-238	"U" Joint Kit, 5-101X Spicer
27	01-629	Pump, IHC, 632862-R92	52	05-239	Spline Yoke, 1-3-88X Spicer
			53	05-240	Dust Cap Kit, D-1-A Spicer
			54	05-241	Yoke, 1-82-21 Spicer
			55	05-236	Pump Drive Adapter, JD
			56		3/8" NC Left Hand Nut
			57	05-245	Gear, 631180 R1 IHC
			58		5/32 x 5/32 x 3/4 Key
			59		1/4" x 1/4" x 1" Key



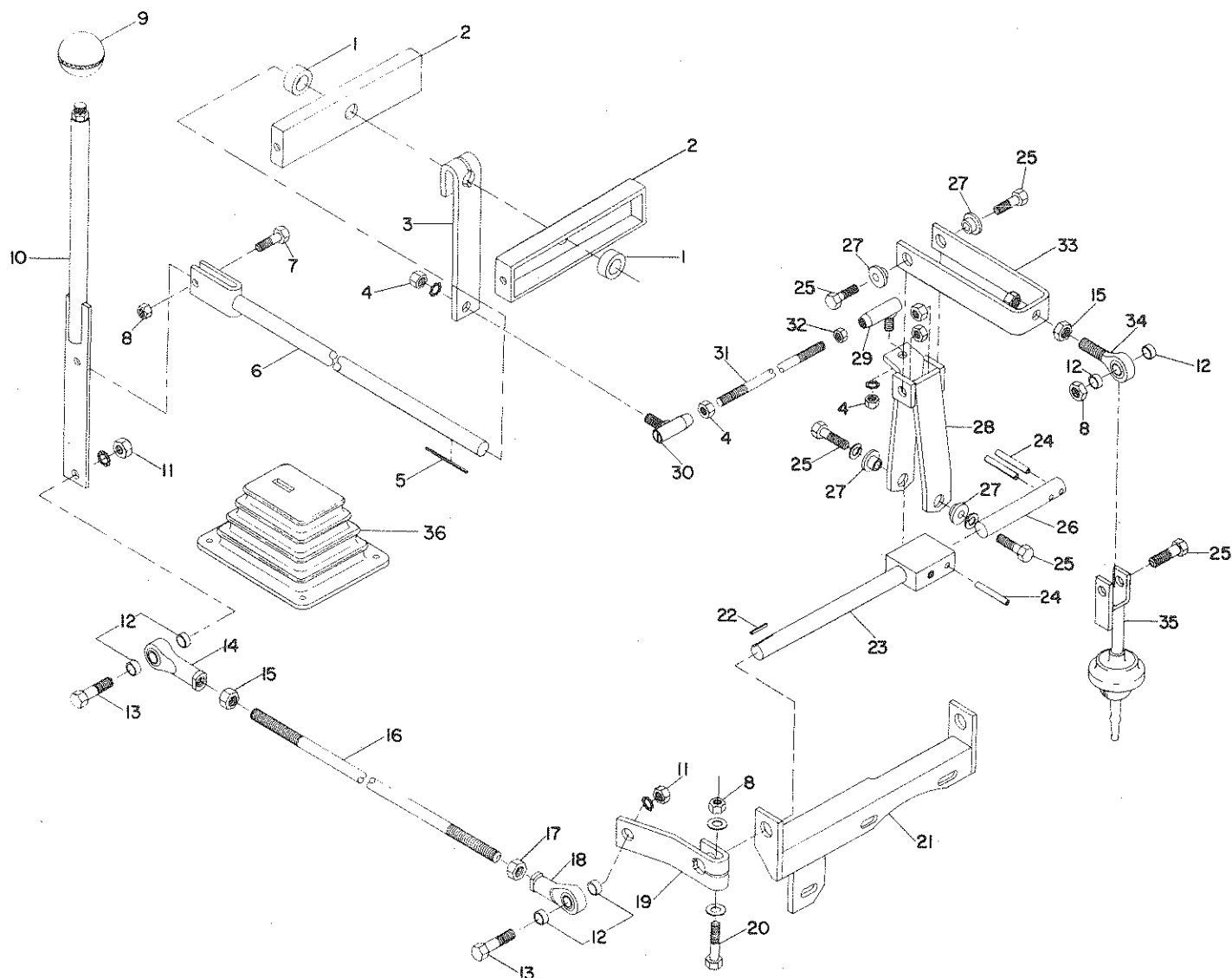
HYDRAULIC CONTROLS

REF. NO.	PART NO.	DESCRIPTION
1		5/16" x 2-1/2" NCHT Cap Screw
2	F 5055	Knob, Lever, 4 used
3	07-120	Spacer, 3 used
4	18-158	Control Lever, Pickup
5	F 1294	Ball Joint, 3/8" NF RH Thread, 5 used
6		3/8" x 1 1/4" NCHT, Cap Screw
7		3/8" x 3/4" NCHT Cap Screw, 2 used
8	F 440	Ferrule, 4 used
9	18-118	Bell Crank, Pickup & Cage Valve
10	18-163	Linkage Rod, Pickup Lift
11	18-159	Control Lever, Selector
12	F 5546	Friction Disc, 2 used
13		5/8" Flat Washer
14	F 5551	Conical Washer, 2 used
15	18-172	Linkage Rod, System Selector
16	18-167	Mounting Plate, Pickup Control Lever
17	18-160	Pickup Control Lever
18	18-161	Bell Crank
19	F 25	Connecting Link, RC50
20	18-166	Linkage Rod, Pickup Selector
21	06-125	3/8" Clevis
22	06-126	Clevis Pin, 3/8"
23	18-168	Valve Spool Stud
24	18-182	Valve Spool Stud
25	18-164	Bell Crank Bracket
26	01-520	Valve, SPYE-3-NR-NR Gresen
27	07-102	Bracket, Selector Valve
28	01-504	Valve, S50 Gresen
29	18-185	Valve Lever, 2 used
30	06-130	Clevis Pin, 1/4" x 1-1/4", 2 used
31	01-516	Valve, SP-4-4NR Gresen



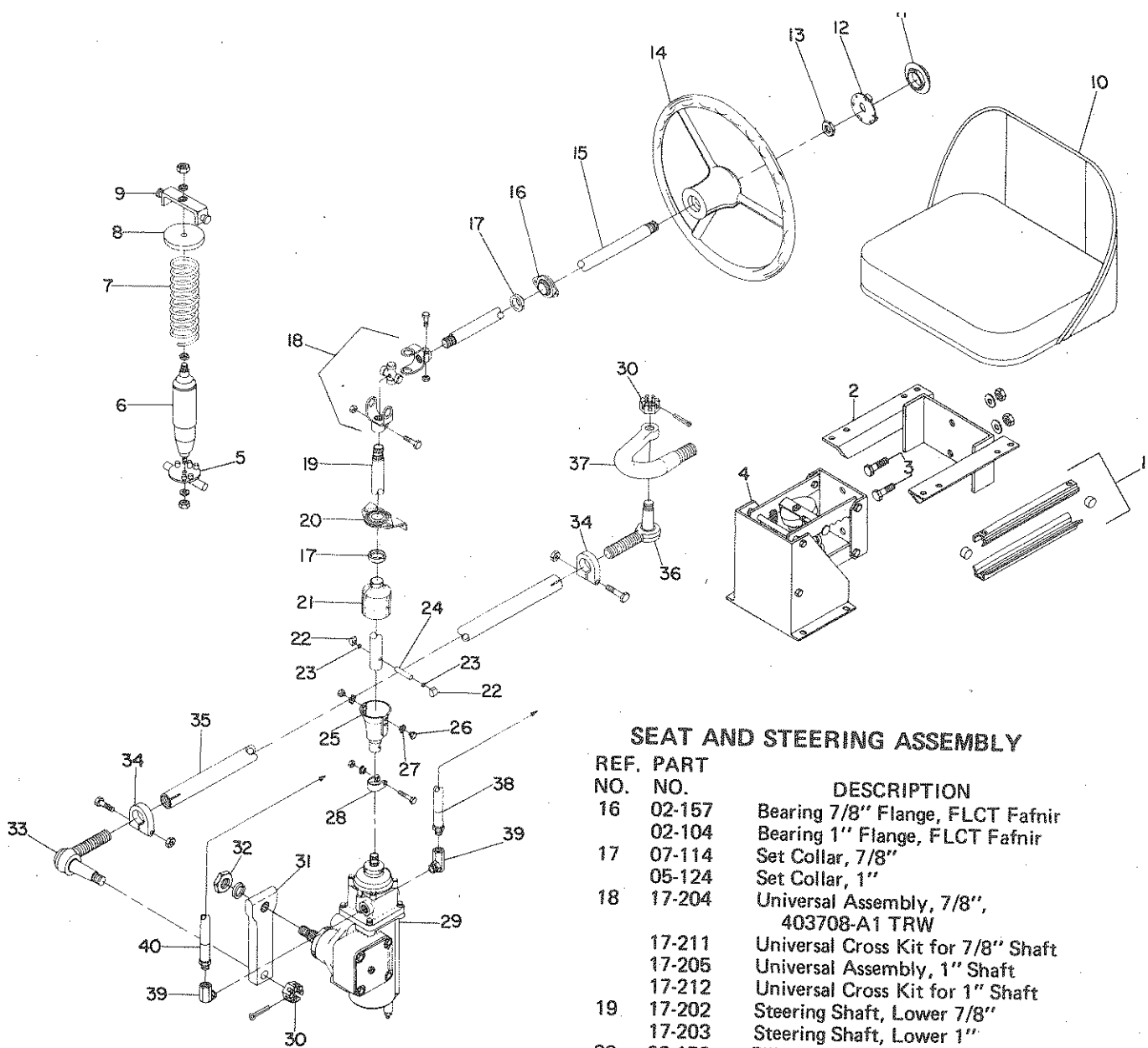
MANUAL CONTROL LEVERS

REF. PART NO.	NO.	DESCRIPTION	REF. PART NO.	NO.	DESCRIPTION
1	F 5554	Knob, Throttle Lever	19		3/8" N.C. Lock Nut, 3 Used
2	18-122	Lever, Throttle	20	18-126	Lever, Throttle Cross Shaft, 2 used
3	F 1002	Conical Washer	21		3/8" x 1-1/2" NCHT Cap Screw, 3 used
4	F 1003	Friction Disc	22	18-170	Throttle Rod Bracket, IHC
5		5/16" x 1-1/4" N.C. Cap Screw	23	FT 141	1/2" Set Collar, 2 used
6		1/4" x 1-1/4" N.C. Cap Screw, 3 used	24	18-147	Throttle Cross Shaft, AC & IHC
7		1/4" N.C. Lock Nut, 3 used	25	18-192	Throttle Cross Shaft, JD
8	06-116	Cable Clamp	26	18-171	Throttle Rod Bracket, AC
9	18-189	Cable, Throttle, 56"	27	18-191	Throttle Rod Bracket, JD
10	18-124	Foot Throttle	28	04-109	Spring, 525 Winks
11		1/4" NF Nut, 8 used	29	05-110	Chain
12		1/4" Star Washer, 2 used		18-174	Accelerator Rod, AC & John Deere
13	F 5207	Ball Joint, 1/4" NF RH, 4 used			
14	18-173	Throttle Rod			
15	F 994	Shield, 2 used			
16	F 4068	Bushing, 2 used			
17	F 4067	Roller, 2 used			
18	F 995	Plate, 2 used			



TRANSMISSION SHIFT MECHANISM

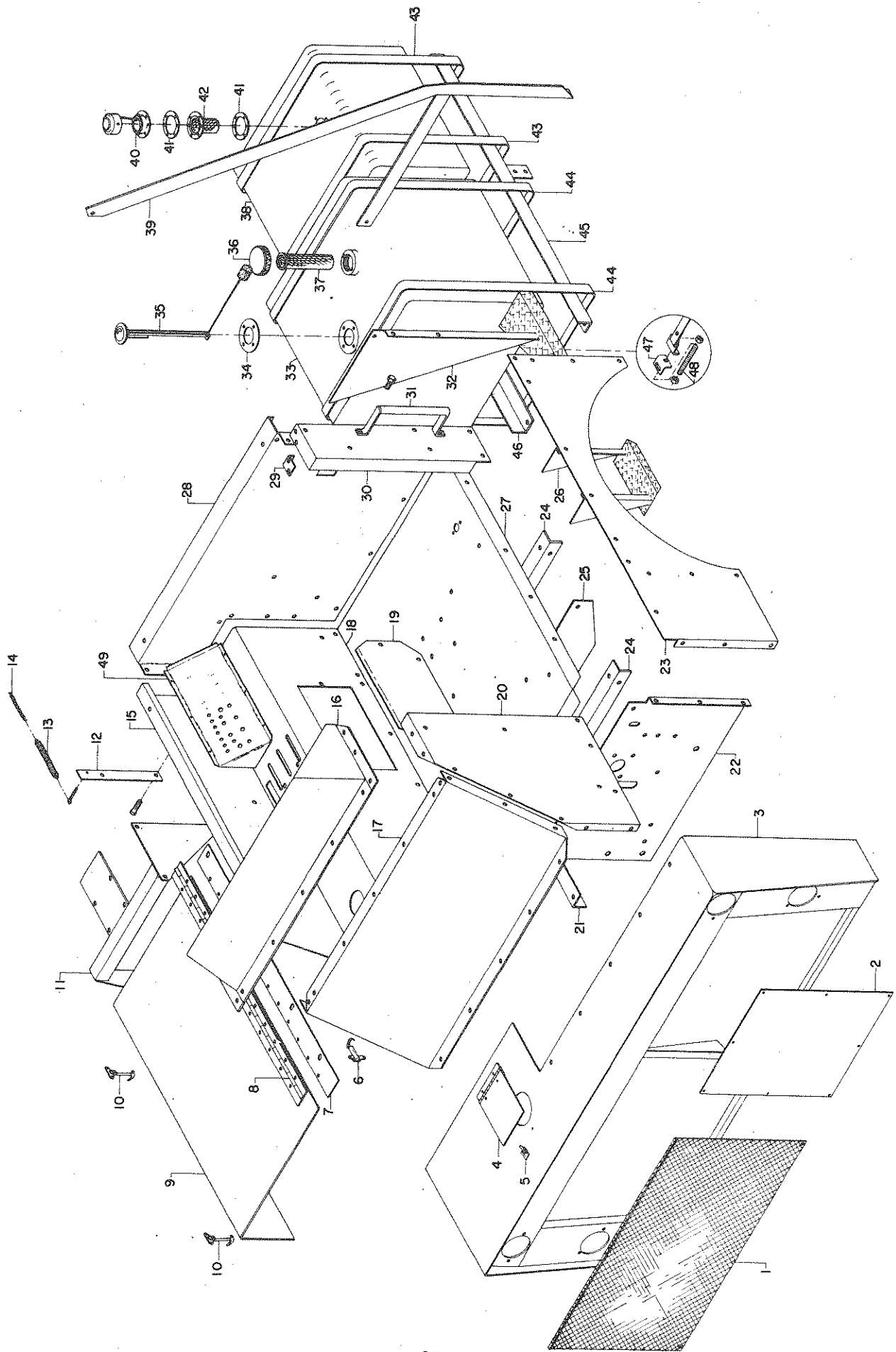
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	F 172	3/4" Set Collar	18	02-120	Rod End, 1/2" NF LH Female, FRL-8N Sperico
2	18-149	Bearing, Shift Rod, 2 used	19	18-153	Lever, Shift Shaft
3	18-151	Lever, Shift Rod	20		3/8" x 2-1/4" N.C. Cap Screw, 3 used
4		3/8" NF Nut, 3 used	21	18-152	Mounting Bracket, Shift Shaft
5		Key, 3/16" x 3/16" x 1-1/2"	22		Key, 1/4" x 1/4" x 1"
6	18-156	Shift Rod	23	18-140	Shift Shaft
7		3/8" x 1-1/2" N.C. Cap Screw	24		Roll Pin, 1/4" x 2", 3 used
8		3/8" N.C. Lock Nut, 5 used	25		3/8" x 1" N.C. Cap Screw, 4 used
9	F 6278	Knob, Shift Lever	26	18-141	Shift Shaft Extension
10	18-155	Shift Lever, Top Unit	27	F 440	Ferrule, 4 used
11		1/2" N.C. Lock Nut, 2 used	28	18-142	Pivot, Shift Lever
12	18-146	Spacer, 6 used	29	F 1294	Ball Joint, 3/8" NF, RH
13		1/2" x 2" N.C. Cap Screw, 2 used	30	F 1295	Ball Joint, 3/8" NF, LH
14	F 6212	Rod End, 1/2" NF RH Female, FR-8N Sperico	31	18-154	Linkage Rod, Side Movement
15		1/2" NF Nut, 3 used	32		3/8" NF, LH Thread Nut
16	18-157	Linkage Rod, Transmission Forward Movement	33	18-143	Shift Link
17		1/2" NF LH Nut	34	F 5992	Rod End, 1/2" RH Male, 8N-Sperico
			35	18-169	Shift Lever
			36	18-193	Boot, Shift lever, 3-9540 BK



SEAT AND STEERING ASSEMBLY

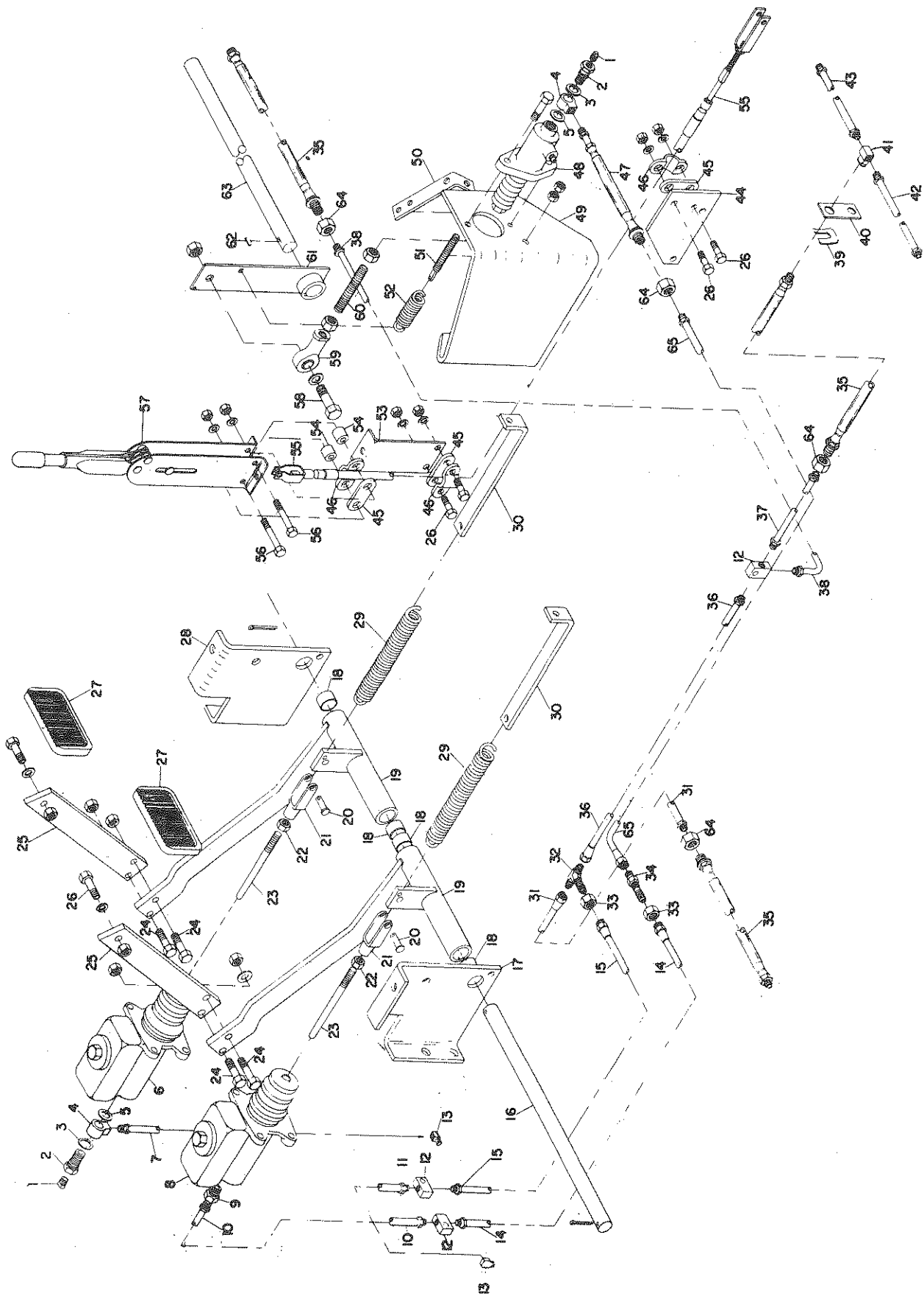
REF. PART NO.	NO.	DESCRIPTION
1	F 6858	Seat Adjusting Rails, Complete
2	F 5867	Seat Bracket
3		1/2" x 1-3/4" N.C. Cap Screw
4	F 5703	Seat Spring & Hydraulic Assembly Complete
5	F 5505	Plate, Bottom Pivot
6	F 5866	Shock Absorber
7	F 5705	Spring, Seat Assembly
8	F 5502	Cup Washer
9	F 5501	Spring & Cylinder Adjusting Bracket
10	F 5918	Seat Assembly
	F 5920	Bottom Seat Cushion
	F 5921	Back Cushion
11	F 5031	Steering Column Cap, 18" Wheel
	F 6576	Steering Column Cap, 14" Wheel
12	F 5032	Steering Column Cap Holder
13	06-124	Nut, Steering Column, 13/16"-20
14	F 6292	Steering Wheel, 18"
	F 6575	Steering Wheel, 14"
15	17-199	7/8" Steering Shaft, Upper, 08 9138 2500 TRW
	17-200	1" Steering Shaft, Upper

REF. PART NO.	NO.	DESCRIPTION
16	02-157	Bearing 7/8" Flange, FLCT Fafnir
	02-104	Bearing 1" Flange, FLCT Fafnir
17	07-114	Set Collar, 7/8"
	05-124	Set Collar, 1"
18	17-204	Universal Assembly, 7/8", 403708-A1 TRW
	17-211	Universal Cross Kit for 7/8" Shaft
	17-205	Universal Assembly, 1" Shaft
	17-212	Universal Cross Kit for 1" Shaft
19	17-202	Steering Shaft, Lower 7/8"
	17-203	Steering Shaft, Lower 1"
20	02-158	Pillow Block Bearing, 7/8" PBS Fafnir
	02-159	Pillow Block Bearing, 1" PBS Fafnir
21	17-213	Seal, 032313 TRW
22	17-214	Button, 055028 TRW
23	17-215	Washer, 9/64" x 3/8", 02 8308 TRW
24	17-206	Pin, 040071 TRW
25	17-207	Shell Assembly, 403752-A1 TRW
26		Screw - 1/4"-28 x 3/8" Hex Head
27		1/4" Lock Washer
28	17-208	Clamp Assembly, 475187-A1 TRW
29	17-209	Steering Gear Assembly, HF 54008 TRW
30	17-218	Castillated Nut, 7/8"-14
31	17-210	Steering Arm, 438272-01 (520) TRW
32		1" UNF Nut
33	17-216	Rod End, NAPA 5187R
34	06-147	Clamp
35	17-217	Drag Link
	17-219	Drag Link Serial, No. 0110 Thru No. 0116
36	17-220	Rod End, NAPA 5187L
37	17-221	Steering Arm
38	01-254	1/2" Hydraulic Hose, 48"
39	01-309	1/2" "O" Ring Swivel Adapter, 9315 x 8 x 6 WH
	01-327	1/2" "O" Ring, 7629 x 8 WH
40	01-255	1/2" Hydraulic Hose, 34"



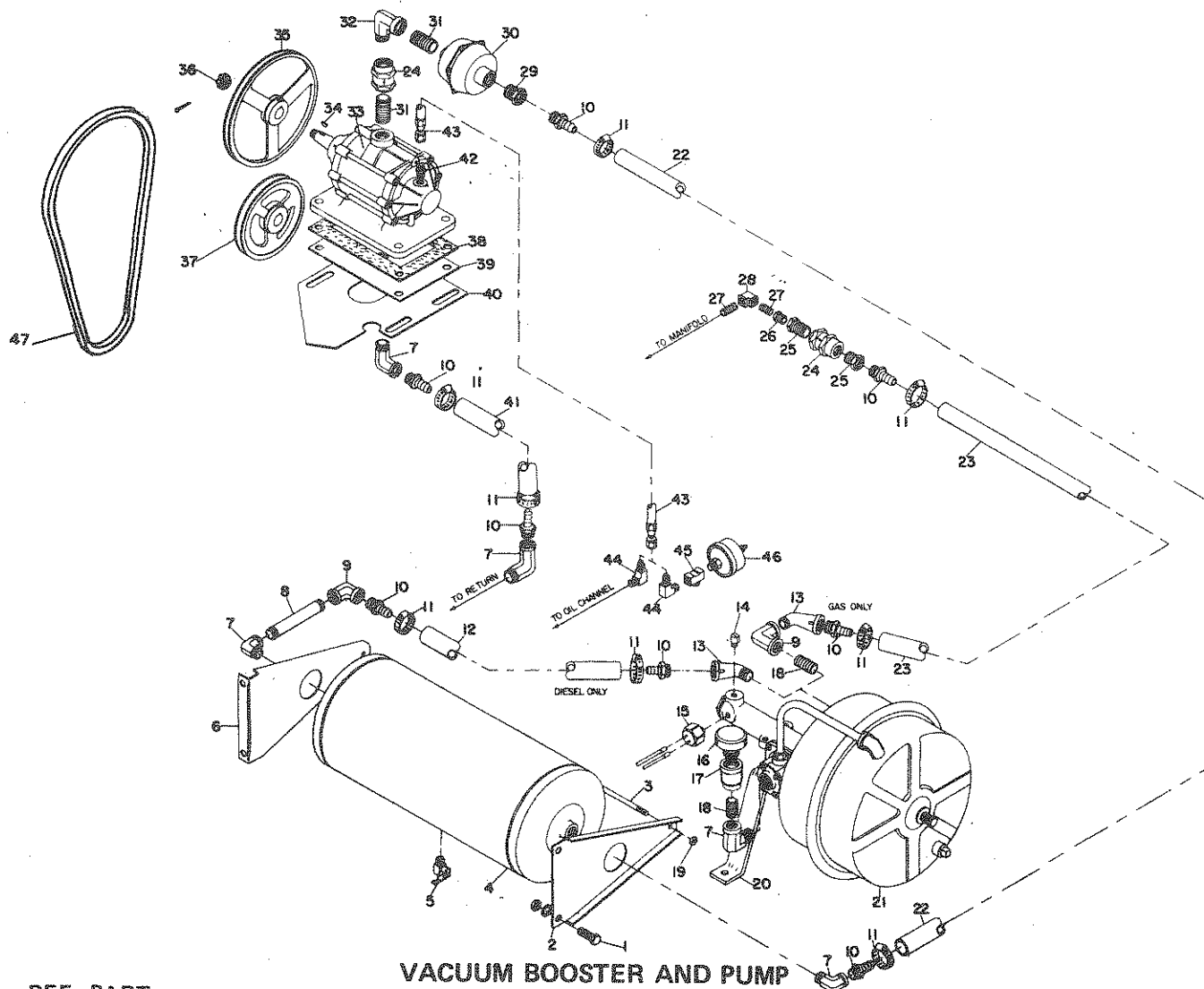
DECK AND ENGINE HOOD

REF. NO.	PART NO.	DESCRIPTION
1	17-175	Grill
2	17-176	Grill Extension
3	17-177	Cowl, Front, J.D. and Ford
	17-172	Cowl, Front, I.H.C.
	17-173	Cowl, Front, A.C.
4	17-153	Radiator Cap Cover
5	F 6108	Latch, Radiator Cap Cover
6	F 853	Latch
7	17-179	Hinge Plate, Hood
8	17-139	Hinge, Hood
9	17-178	Hood
10	F 7166	Hood Latch
11	17-183	Hood Support, A.C.
	17-184	Hood Support, John Deere & IHC
12	17-144	Swivel Arm Return Spring Bracket
13	04-112	Spring, 641 Winks
14	05-110	Chain, 2 used
15	17-186	Console Right Side
16	17-182	Dash
17	17-180	Console Front
18	17-234	Control Panel, levers
19	17-115	Cover, Control Panel Side
20	17-189	Console Side, LH Front
21	17-135	Rib, Platform Center
22	17-181	Front Deck Support
23	17-192	Shield
24	17-190	Deck Mount Ribs
25	17-191	Rear Deck Support
26	17-193	Top Step
27	17-198	Operator's Deck
28	17-188	Console, Rear Section
29	17-140	Connecting Angle
30	17-118	Console Side, LH Rear
31	17-123	Hand Rail
32	17-194	Lower Step
33	17-128	Fuel Tank
34	F 5949	Gasket, Fuel Gauge
35	F 5948	Fuel Gauge
36	F 1689	Cap, Fuel Tank
37	F 5950	Filter Screen, Fuel Tank
38	17-130	Hydraulic Tank
39	17-197	Tower Brace
40	F 6268	Filler Cap, Hydraulic Tank
41	F 6857	Gasket For Filler Cap
42	F 6267	Screen For Filler
43	17-134	Tank Straps, Hydraulic, 2 used
44	17-129	Tank Straps, Fuel, 2 used
45	17-195	Tank Rail, LH
46	17-196	Tank Rail, RH
47	17-141	Anchor, Tank Strap, 8 used
48	17-142	Bolt with Nut, Tank Strap, 4 used
49	17-235	Control Panel, electric



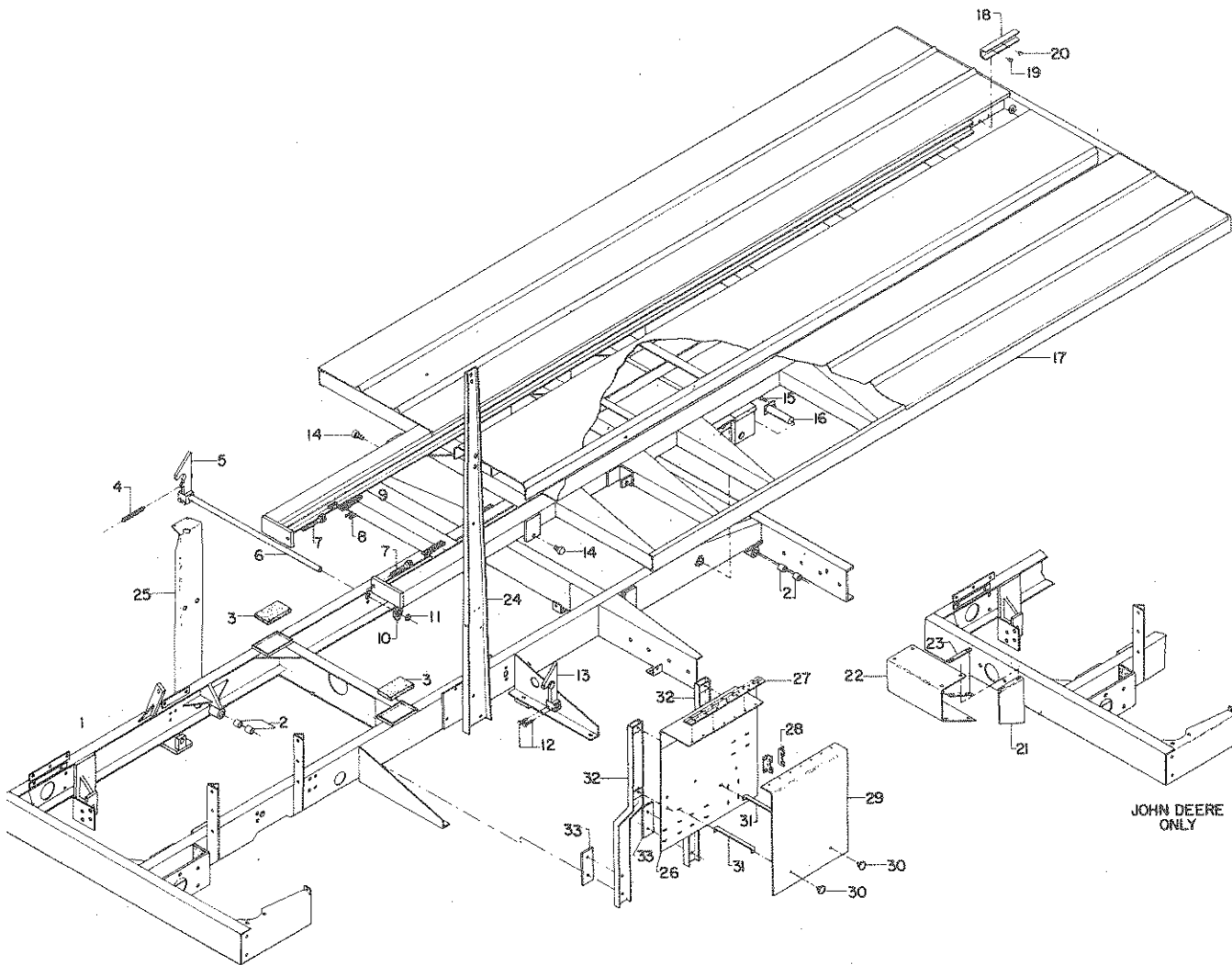
BRAKE AND CLUTCH

REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
1	1/8" NPT Plug	32	01-804 Bulkhead Branch Tee, C5725 x 4 WH
2	19-142 Adapter, Stop Light, F3474 Wagner	33	7/16" UNF Nut, 2 used
3	19-141 Washer, Stop Light Adapter, F602 Wagner	34	01-805 Bulkhead Union, C5325 x 4 WH
4	19-140 Adapter, Stop Light, F2678 Wagner	35	19-191 Brake Hose, F4000 Wagner
5	19-139 Washer, Stop Light Adapter, F603 Wagner	36	01-856 1/4" Brake Line, Bulkhead Tee to Rear "T" Block
6	19-157 Brake Master Cylinder, F27304 Wagner	37	01-858 1/4" Brake Line, Rear "T" Block to Rear Axle
7	01-854 1/4" Brake Line, Cylinder to Vacuum Booster	38	01-857 1/4" Brake Line, Rear "T" Block to Right Front Brake
8	19-138 Clutch Master Cylinder, F22977 Wagner	39	06-131 Spring Lock, 5188 WH
9	01-801 Brass Fitting, 7727 WH	40	19-159 Brake Line Support
10	01-850 1/4" Clutch Line, Master Cylinder to "T" Block	41	01-806 Brass Fitting, 7734 WH
11	01-853 1/4" Brake Line, Vacuum Booster to "T" Block	42	01-860 1/4" Brake Line, Left Rear Brake
12	01-802 Brass Fitting, 7708 WH	43	01-859 1/4" Brake Line, Right Rear Brake
13	01-807 1/4" x 90 degree Elbow, 400 x 4 WH	44	19-315 Brake Cable Mount
14	01-851 1/4" Clutch Line, "T" Block to Bulkhead Fitting	45	19-168 Link Spacer, 81000131 Orscheln
15	01-852 1/4" Brake Line, "T" Block to Bulkhead Tee	46	19-169 Cable Clamp, 81000104 Orscheln
16	19-152 Pivot Shaft	47	19-192 Clutch Hose, F27048 Wagner
17	19-153 Pedal Hanger Bracket, LH	48	19-175 Slave Cylinder, F26022 Wagner
18	F 7247 Bushing	49	19-199 Slave Cylinder Mounting Bracket
19	19-149 Pedal	50	19-173 Brace, Slave Cylinder
20	06-126 3/8" Clevis Pin	51	06-139 Adjustment Screw
21	06-125 3/8" Clevis	52	04-115 Spring
22	3/8" UNF Nut, 2 used	53	19-179 Brace, Emergency Brake Cable
23	19-151 Push Rod	54	19-170 Spacer, 81000108 Orscheln
24	3/8" x 1-1/4" N.C. Cap Screw, 4 used	55	19-167 Brake Cable, 15259600 Orscheln
25	19-148 Pedal Extension	56	5/16" x 2-1/4" N.C. Cap Screw, 2 used
26	5/16" x 1-1/4" N.C. Cap Screw, 6 used	57	19-166 Hand Brake Lever, 01009300 Orscheln
27	F 5979 Pedal Pad	58	1/2" x 1-3/4" N.C. Cap Screw
28	19-198 Pedal Hanger Bracket, RH	59	F 6212 Rod End, FR-8N Sperico
29	04-111 Spring	60	19-172 1/2" x 3" NF Bolt
30	19-155 Spring Bracket	61	19-197 Clutch Lever
31	01-861 1/4" Brake Line, Bulkhead Tee to Left Front Brake	62	Woodruff Key, No. 808
		63	19-202 Clutch Shaft
		64	5/8" NF Jam Nut
		65	01-855 1/4" Clutch Line, Bulkhead Fitting to Slave Cylinder



VACUUM BOOSTER AND PUMP

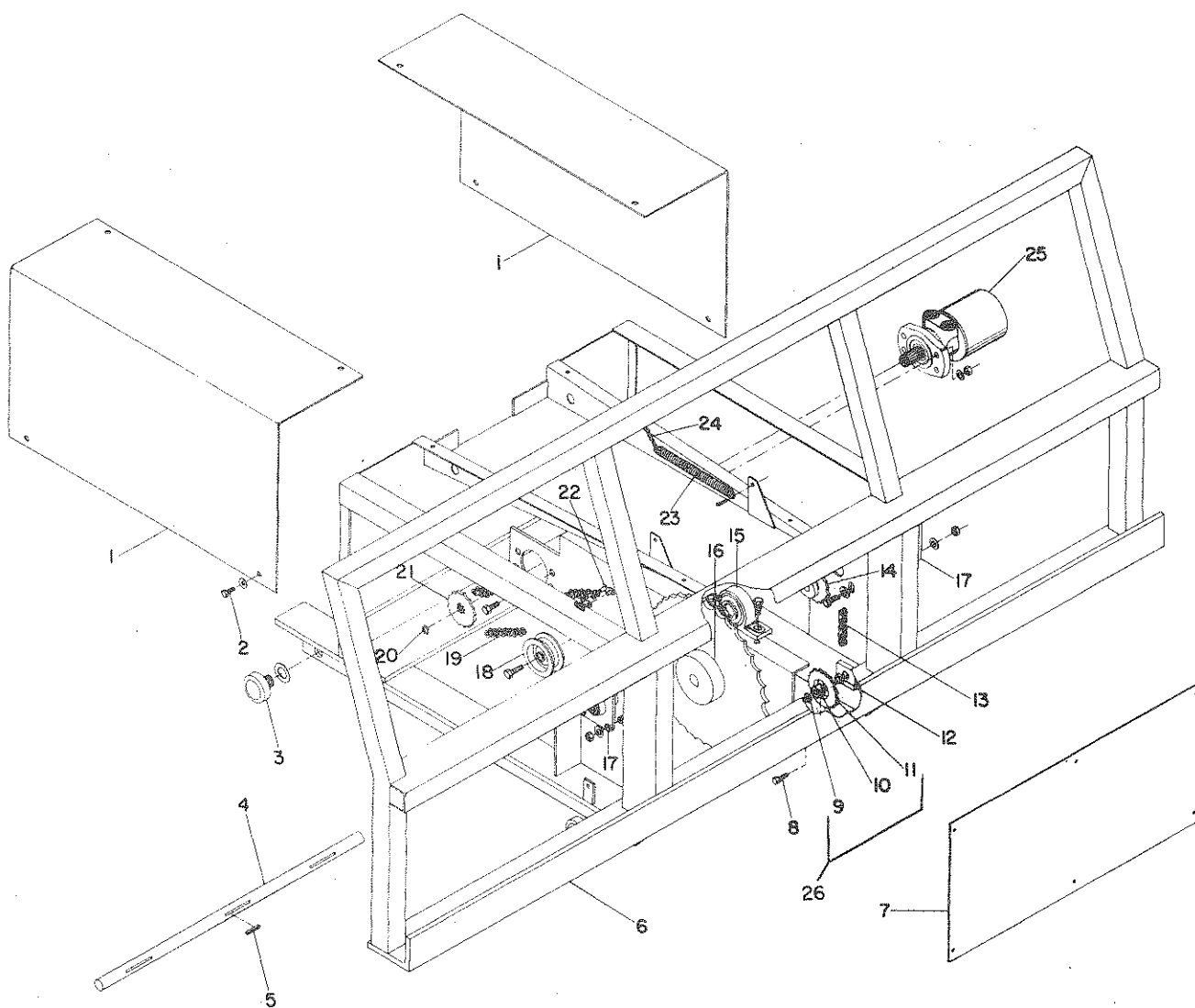
REF. PART NO.	NO.	DESCRIPTION	REF. PART NO.	NO.	DESCRIPTION
1		5/16" x 1-1/4" N.C. Cap Screw, 4 used	25	01-713	1/2" x 3/8" Bushing, 2 used
2	19-323	Rear Mounting Bracket for Vacuum Tank	26	01-736	3/8" x 1/8" Bushing
3	18-128	Linkage Rod, 1/4" x 18-1/4"	27		1/8" Close Nipple
4	19-143	Vacuum Tank	28	01-811	1/8" x 90 degree Brass Elbow
5	F 6828	Drain Plug	29	01-713	1/2" x 3/8" Bushing
6	19-322	Front Mounting Bracket for Vacuum Tank	30	19-220	Filter, BK 18249 Bendix
7	01-731	3/8" x 90 degree Steel Street Elbow	31	01-720	1/2" Close Nipple, Extra Heavy
8	01-719	3/8" x 4" Extra Heavy Nipple	32	01-729	1/2" x 90 degree Steel Street Elbow
9	01-704	3/8" x 90 degree Steel Elbow, C3509 x 6 WH	33	19-316	Vacuum Pump, 2500948 Bendix
10	FT 193	3/8" x 1/2" Hose Coupler	34		Woodruff Key, No. 60
11	06-136	Hose Clamp	35	05-216	Sheave, Vacuum Pump, J.D. & A.C.
12	19-280	Vacuum Hose, 1/2" ID x 13"	36		1/2" NF Castellated Nut
13		1/2" x 45 degree Street Elbow	37	05-217	Sheave, Vacuum pump, IHC
14	01-807	1/4" x 90 degree Brass Fitting	38	19-221	Gasket, BK16904 Bendix
15	03-130	Stop Light Switch, SL134 Echlin	39	19-318	Base Plate, Vacuum Pump
16	FT 530	Breather	40	19-319	Vacuum Pump Mounting Bracket, J.D.
17		3/8" x 3/4" Pipe Bushing		19-320	Vacuum Pump Mounting Bracket, A.C.
18	01-718	3/8" Extra Heavy Close Nipple		19-321	Vacuum Pump Mounting Bracket, IHC
19		1/4" Lock Nut	41	19-280	Return Hose 1/2" x 13"
20	19-317	Vacuum Booster Brace	42	01-810	1/4" NPT x 1/4" Hose Fitting, 48 x 4 x 4 WH
21	19-162	Vacuum Booster, C464R Midland	43	19-222	Oil Line, 44", John Deere
22	19-279	Vacuum Hose 1/2" ID x 78"		19-223	Oil Line, 30", AC & IHC
23	19-219	Vacuum Hose 1/2" ID x 60"	44	01-808	90 degree elbow 1/8" NPT x 1/4", 49 x 4 WH
24	19-164	Vacuum Check Valve, C11475 Midland	45	01-809	Brass Male Tee, 3600 x 2 WH
			46	03-132	Oil Sending Unit, SW3535
			47	05-242	Drive Belt, A38, IHC
				05-243	Drive Belt, A62, A.C.
				05-244	Drive Belt, A71, J.D.



MAIN FRAME AND BED

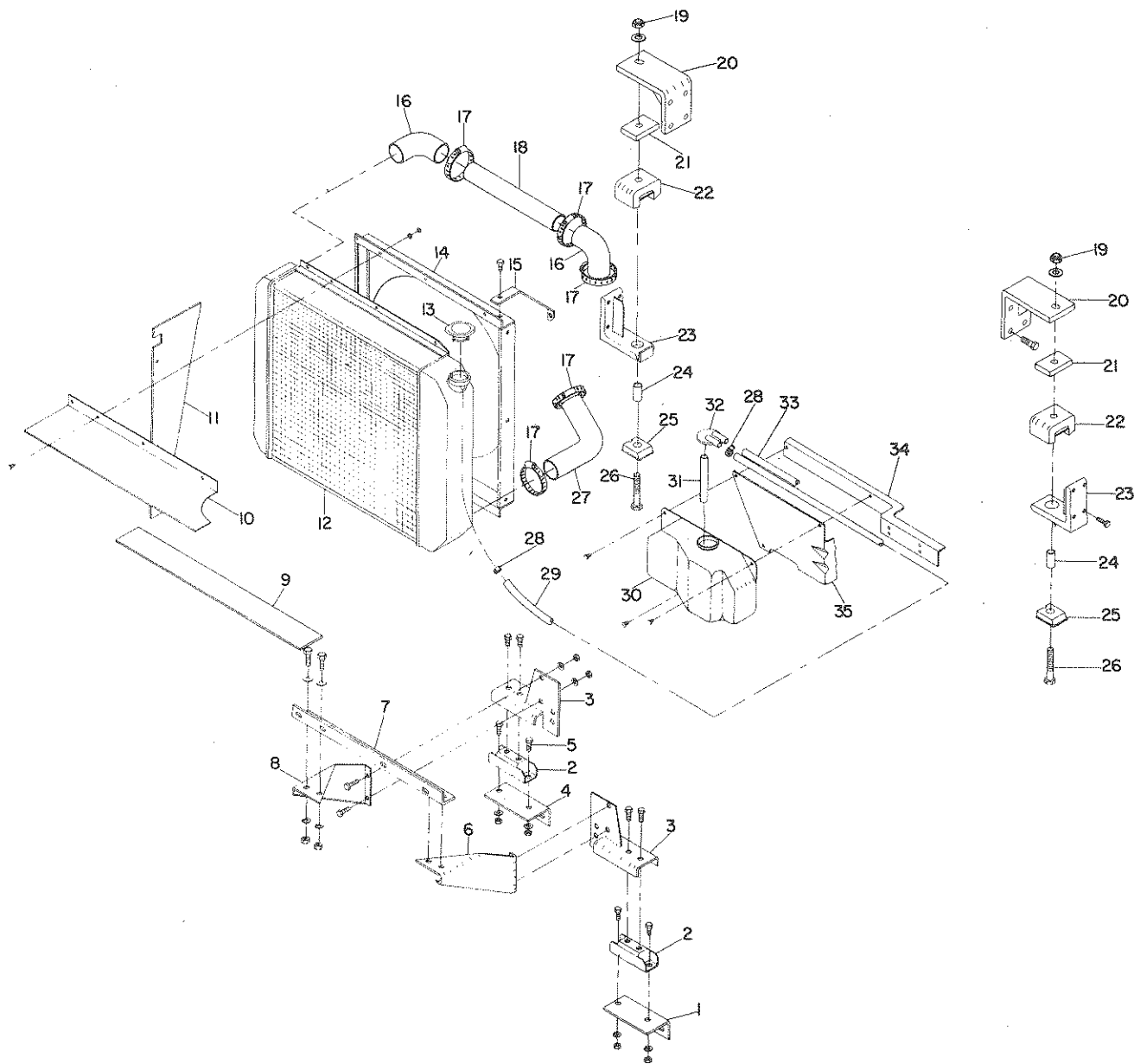
REF. PART NO.	NO.	DESCRIPTION	REF. PART NO.	NO.	DESCRIPTION
1	16-137	Main Frame	17	16-119	Bed
2	02-118	Bushing, 1-3/8" OD x 1-1/8" ID x 1-1/2", 8 used	18	16-122	Track Extension, 2 used
3	16-124	Bumper Pad, 2 used	19		1/2" x 1" N.C. Flat Head Socket Cap Screw, 2 used
4	F 747	Spring	20		1/2" x 1" N.C. Cap Screw, 2 used
5	16-123	Safety Latch, RH	21	16-125	Pump Guard Bracket, LH (Weld on)
6	16-117	Shaft, Safety Latch	22	16-127	Pump Guard
7	07-123	Chain Anchor, 2 used	23	16-126	Pump Guard Bracket, RH (Weld on)
8	05-212	Connecting Link, No. 80 Chain	24	16-103	Tower
9	05-211	Drive Chain, No. 80 Chain, 2 used	25	16-136	Pickup Hose Support
10	02-104	Bearing, 1" Flange, 2 used	26	16-139	Valve Mounting Plate
11	05-124	1" Set Collar, 2 used	27	16-140	Hinge, Valve Cover
12		1/2" x 2-1/2" N.C. Cap Screw	28	16-138	Mounting Bracket, Solinoid Valve
13	16-120	Safety Latch, LH	29	16-141	Valve Cover
14	02-156	Cam Roller, CF 1-1/2" McGill	30	F1007	Knobs
15		5/16" x 3/4" N.C. Cap Screw	31	16-142	Valve Cover Holding Bracket
16	16-121	Pivot Pin, 2 used	32	16-143	Valve Mount Plate Support
			33	16-144	Spacer

JOHN DEERE
ONLY



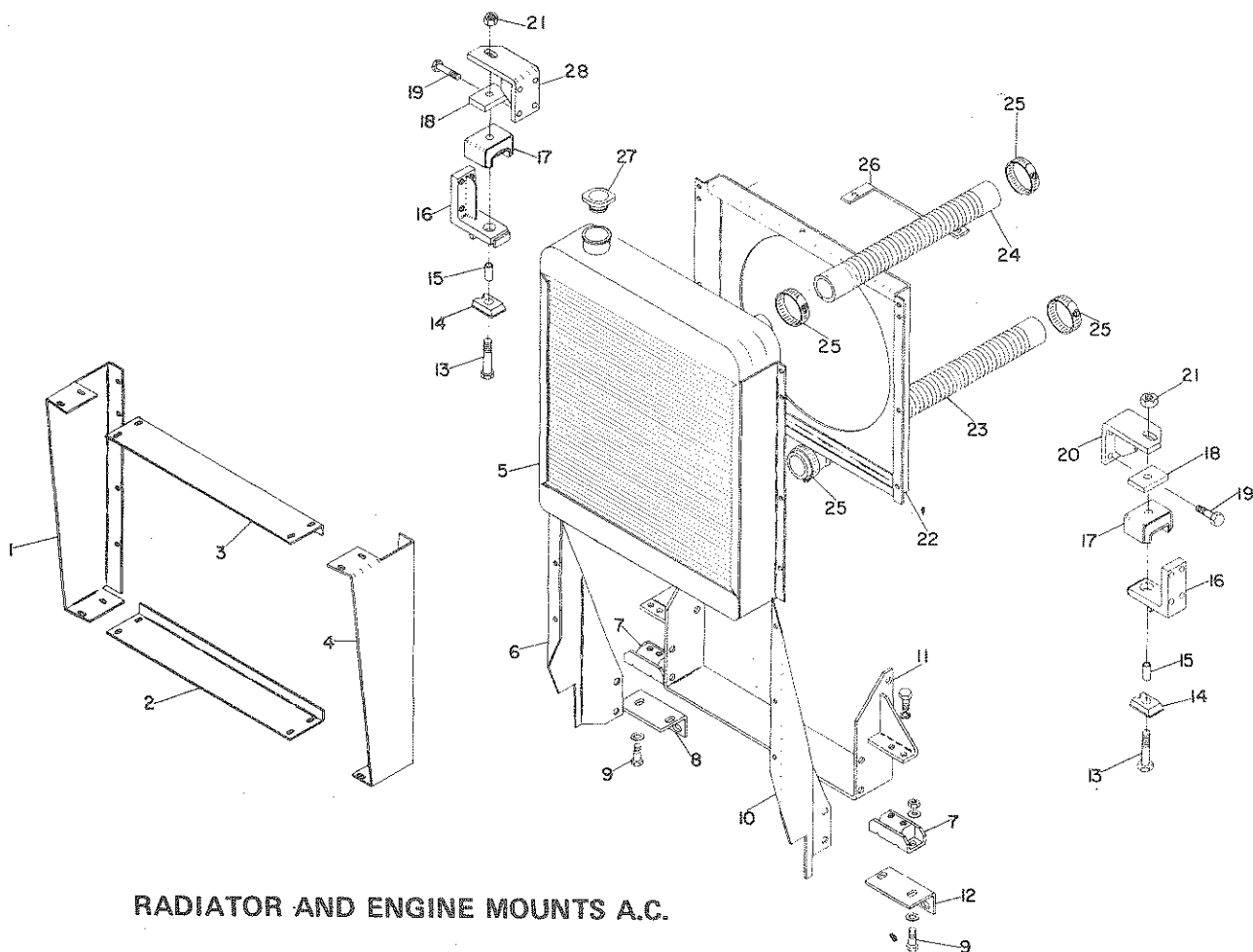
LOAD PUSHER

REF. NO.	PART NO.	DESCRIPTION
1	13-111	Shield, Pusher Side, 2 used
2		3/8" x 1" N.C. Cap Screw, 12 used
3	02-112	Roller CFH 2-1/2 S McGill, 4 used
4	13-114	Shaft, Pusher Drive
5		Key, 3/8" x 3/8" x 1-1/4", 3 used
6	13-113	Pusher Frame
7	13-112	Shield, Pusher Face
8		3/4" x 1" N.C. Cap Screw, 4 used
9	06-117	Snap Ring, N5000-181 Truarc
10	02-102	Bearing, P-204 KRNP2 Fafnir
11	05-213	Sprocket, Pusher Idler, 80B12, 4 used
12	F 172	3/4" Set Collar
13	05-211	Chain, 228P No. 80
	05-212	Connecting Link, No. 80
14	05-214	Sprocket, Drive 80B12 x 1-3/8"
15	02-145	Bearing, 1-3/8" Pillow Block
16	05-219	Sprocket, 60B60 x 1-3/8"
17	02-154	Bearing, 1-3/8 Flange
18	F 883	Idler Roller
19	05-210	Chain, 101P No. 60
20	06-118	Snap Ring, 5100-100 Truarc
21	05-140	Sprocket, Drive 60 B 13 x 1" - 6 spline
22	F 760	Connecting Link, RC 60
23	04-112	Spring
24	07-113	Chain, 2 used
25	01-607	Hyd. Motor, MAB-16-002 Ross
26	05-908	Sprocket with Bearing, 80B12



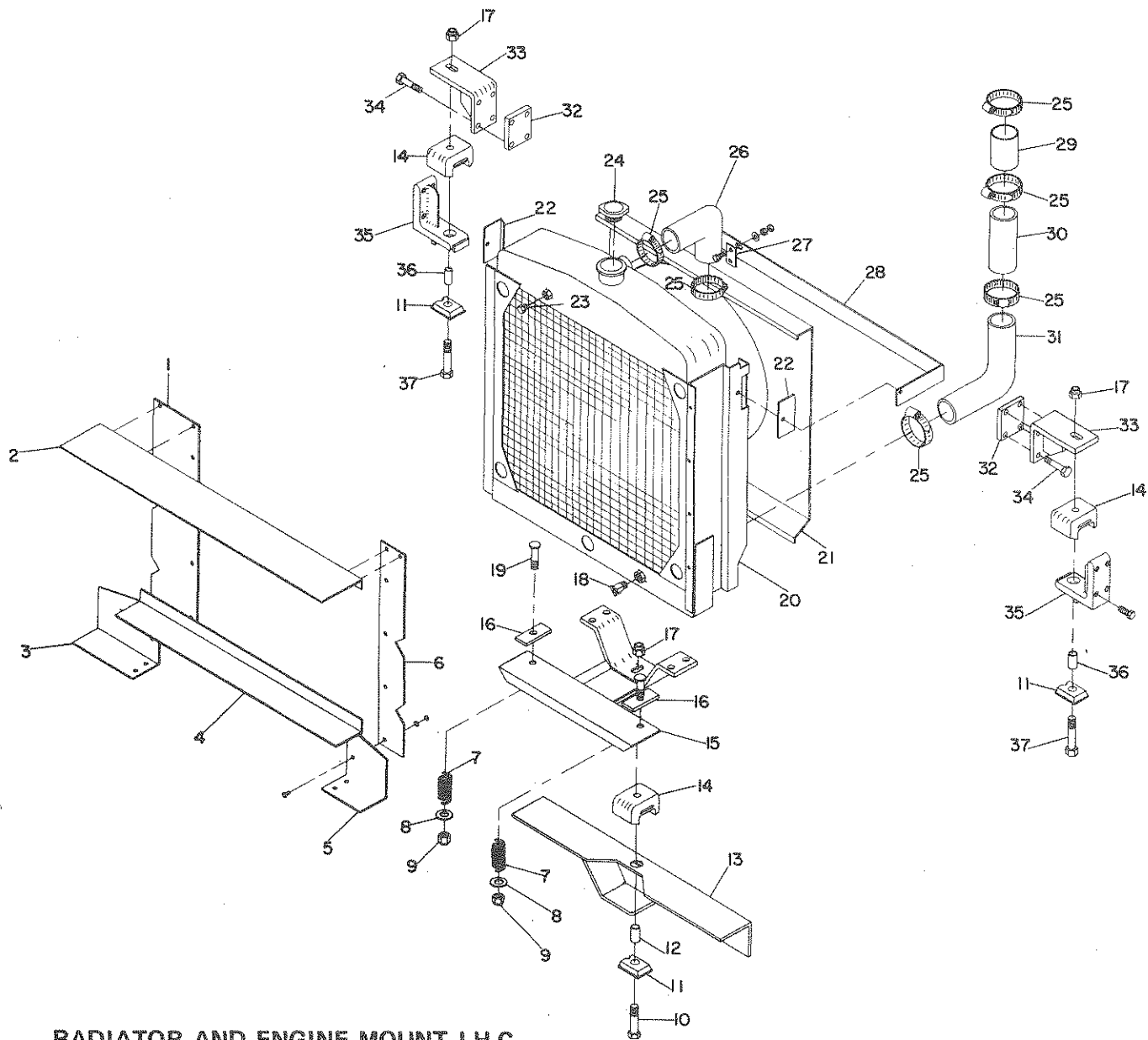
RADIATOR AND ENGINE MOUNTS — John Deere

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	20-149	Front Mount Angle, Engine to Frame, LH	18	20-192	Pipe, 2" x 12"
2	20-168	Front Motor Mount, 3-5192 BK, 2 used	19		9/16" N.C. Esna Nut
3	20-189	Front Motor Support, 2 used	20	20-201	Engine Mount, 2 used
4	20-169	Front Mount Angle, Engine to Frame RH	21	20-161	Spacer, 2 used
5		7/16" x 1" N.C. Cap Screw	22	20-109	Motor Mount, 3-5114BK, 2 used
6	20-196	Radiator Support Bracket, LH	23	20-115	Engine Support Bracket, 2 used
7	20-187	Radiator Mount	24	20-116	Bushing, 1-11/16" long, 2 used
8	20-197	Radiator Support Bracket, RH	25	20-112	Motor Mount, 3-5115BK, 2 used
9	20-198	Wind Baffle, Bottom Section	26		9/16" N.C. x 4" Cap Screw
10	20-178	Wind Baffle, Top Section	27	20-104	Radiator Hose
11	20-179	Wind Baffle, Side Section	28	F 8301	Hose Clamp
12	20-176	Radiator	29	20-184	1/4" x 30" Overflow Tube
13	20-200	Radiator Cap with Gasket	30	20-181	Overflow Tank
14	20-177	Shroud	31	20-186	Siphon Tube
15	20-199	Brace, Radiator	32	20-185	Filler Cap
16	20-174	Radiator Hose, 2" x 90 degrees	33	20-180	1/4" x 5" Overflow Tube
17	F 6830	Hose Clamp, 4-1204 BK, 6 used	34	20-183	Overflow Tank Support Bracket
			35	20-182	Overflow Tank Bracket



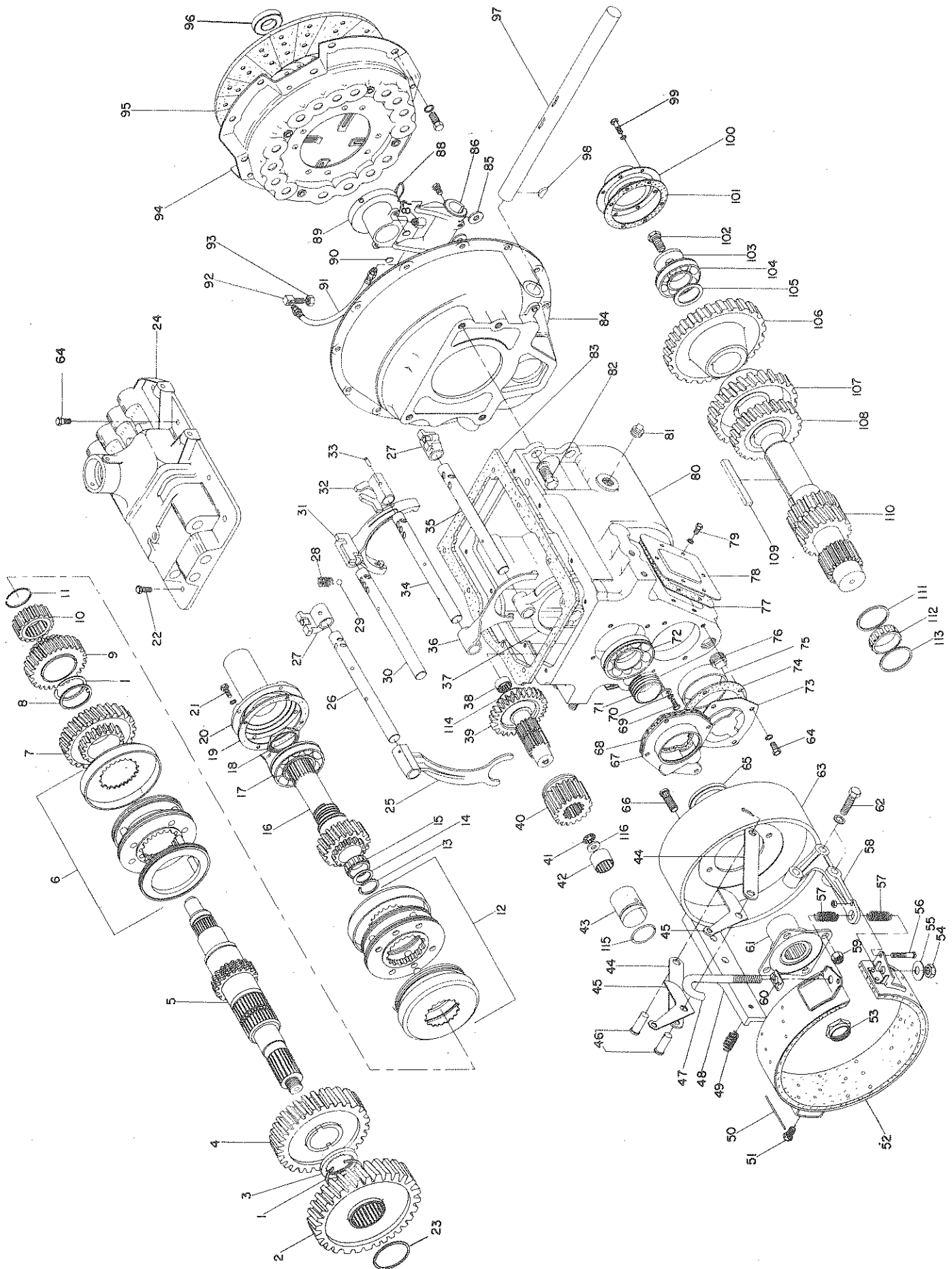
RADIATOR AND ENGINE MOUNTS A.C.

REF. NO.	PART NO.	DESCRIPTION
1	20-171	Wind Baffle, Right Section
2	20-170	Wind Baffle, Bottom Section
3	20-170	Wind Baffle, Top Section
4	20-172	Wind Baffle, Left Section
5	F 6823	Radiator
6	20-167	Radiator Mount, Right Side
7	20-168	Front Motor Mount, 3-5192 BK
8	20-169	Front Mount Angle, Engine to Frame, RH
9		7/16" N.C. Cap Screw
10	20-166	Radiator Mount, Left Side
11	20-165	Front Motor Mount Bracket
12	20-149	Front Mount Angle, Engine to Frame, LH
13		9/16" x 4" N.C. Cap Screw, 2 used
14	20-112	Motor Mount, 3-5155BK, 2 used
15	20-116	Bushing, 1-11/16" Long
16	20-115	Engine Support Bracket
17	20-109	Motor Mount, 3-5114 BK
18	20-161	Spacer, 2 used
19		1/2" x 2" N.C. Cap Screw, 8 used
20	20-175	Rear Motor Mount Bracket, LH
21		9/16" N.C. Esna Nut
22	F 6824	Fan Shroud
23	F 6825	Radiator Hose, Upper, FM 62 Modoc
24	F 6827	Radiator Hose, Lower, FM 59 Modoc
25	F 6830	Hose Clamp
26	20-164	Top Radiator Brace
27	F 6821	Radiator Cap
28	20-162	Rear Motor Mount Bracket, RH



RADIATOR AND ENGINE MOUNT I.H.C.

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	20-123	Wind Baffle, Right Side	20	20-101	Radiator
2	20-122	Wind Baffle, Top Section	21	20-117	Shroud
3	20-119	Wind Baffle, Lower Right Section	22	20-125	Cover Plate, Radiator Side, 2 used
4	20-121	Wind Baffle, Bottom Section	23	01-715	1/4" Allen Head Pipe Plug, C3159 x 4, WH
5	20-120	Wind Baffle, Lower Left Section	24	20-105	Radiator Cap
6	20-124	Wind Baffle, Left Side	25	F 6830	Hose Clamp, 4-1204 BK, 6 used
7	04-118	Spring, 2 used	26	20-104	Radiator Hose
8		7/16" Washer, 2 used	27	20-163	Bracket for Support Strap, Gas Only
9		7/16" N.C. Esna Nut, 2 used	28	20-126	Support Strap, Radiator
10		9/16" x 3" N.C. Cap Screw	29	20-190	Radiator Hose
11	20-112	Motor Mount, 3-5115BK, 3 used	30	20-188	Radiator Pipe, 2" x 6"
12	20-111	Bushing, 1-7/16" Long	31	20-191	Radiator Hose, 2" x 90 degree Elbow
13	20-110	Front Engine Support	32	20-113	Engine Mount Spacer, 2 used
14	20-109	Motor Mount, 3-5114BK, 3 used	33	20-114	Engine Mount, 2 used
15	20-107	Radiator Mounting Bracket	34		1/2" x 2" N.C. Cap Screw, 8 used
16	20-108	Radiator Pad, 2 used	35	20-115	Engine Support Bracket, 2 used
17		9/16" N.C. Esna Nut, 3 used	36	20-116	Bushing, 1-11/16" Long, 2 used
18	F 6828	Drain Plug, 120 WH	37		9/16" x 3-1/2" N.C. Cap Screw, 2 used
19		7/16" x 3" Carriage Bolt, 2 used			

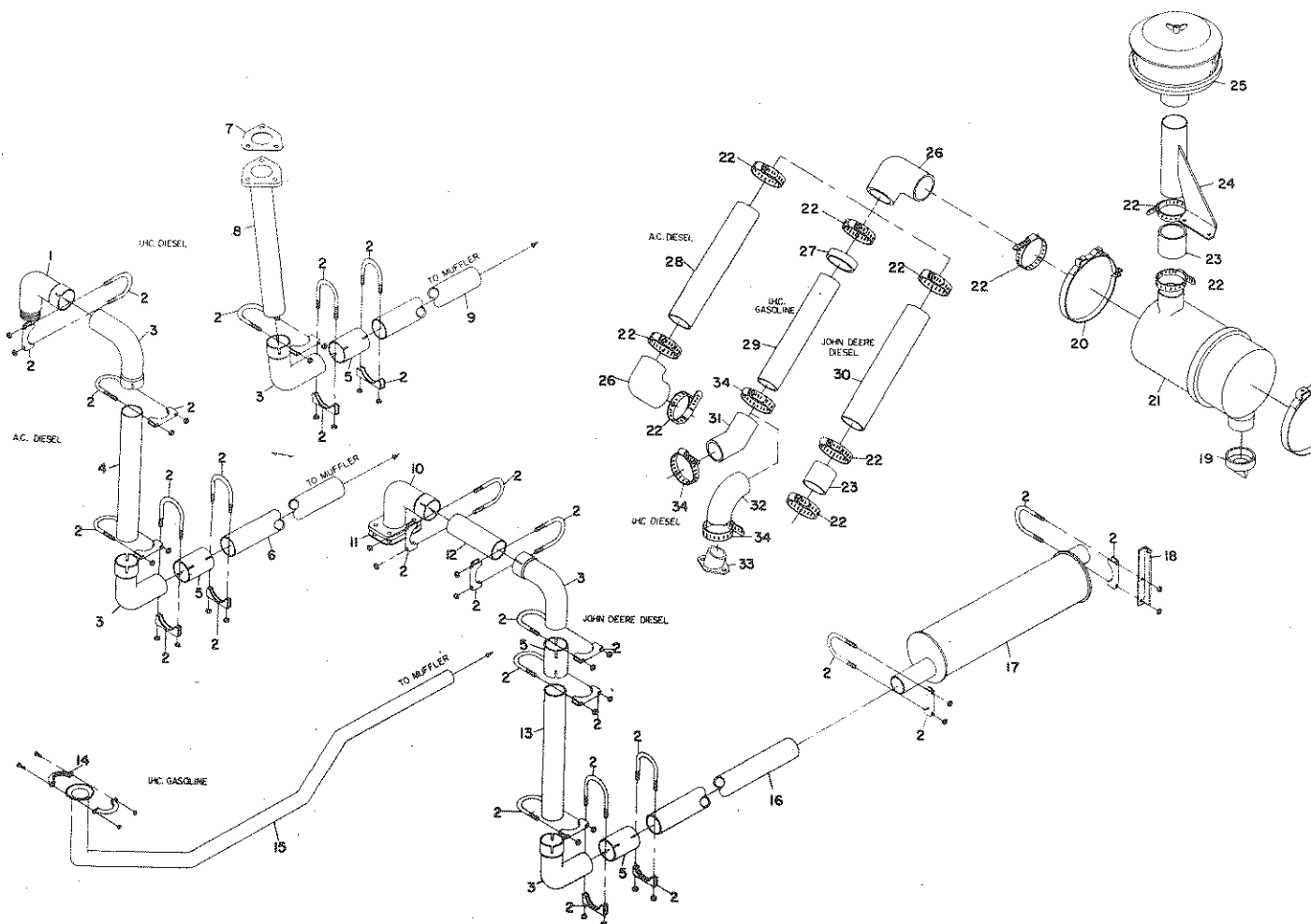


TRANSMISSION

19-922-----New Process 5 Speed

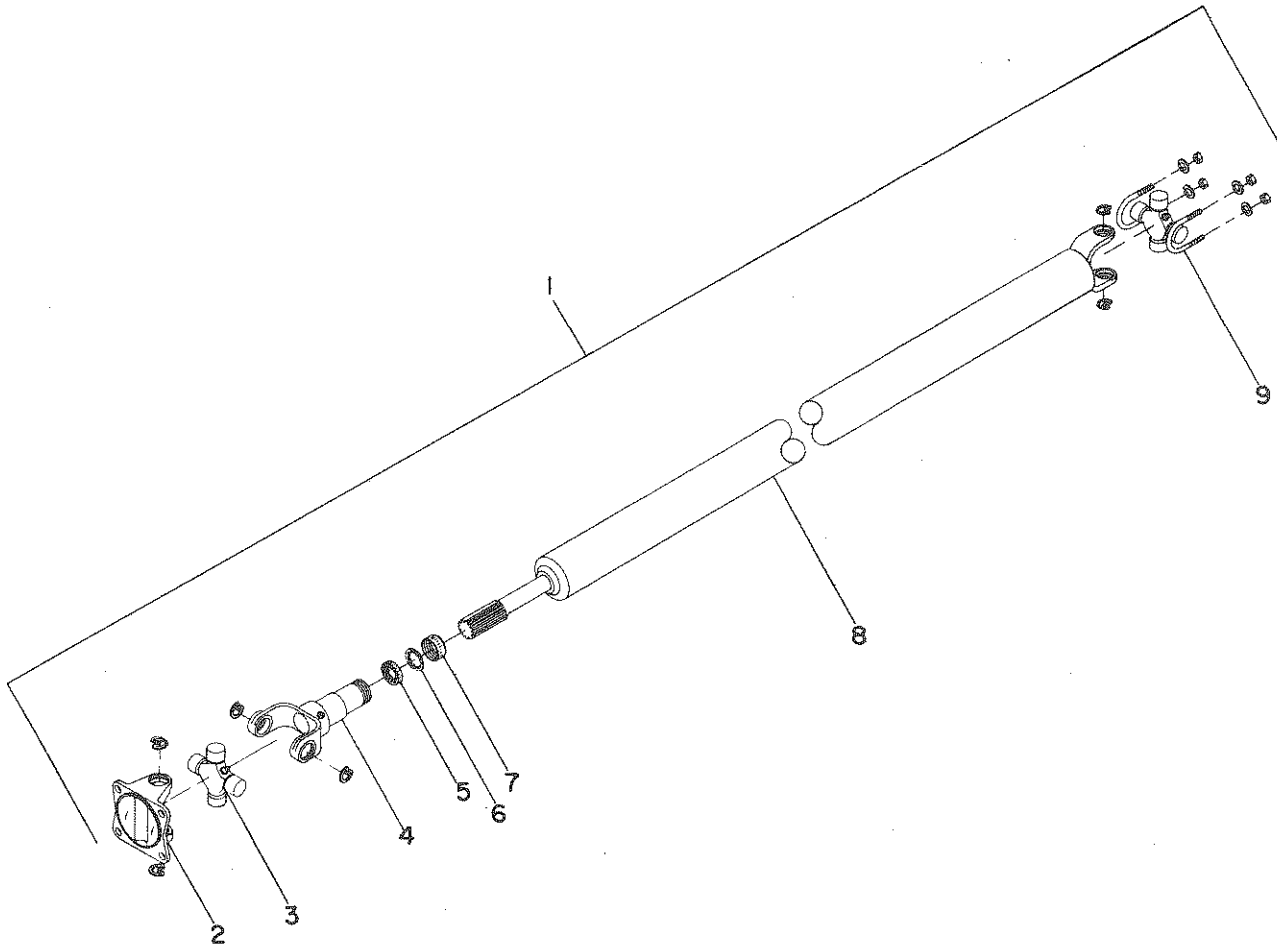
WHEN ORDERING THE FOLLOWING PART NUMBERS
REFER TO THE TRANSMISSION PART NUMBER

REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
1 97422B	Snap Ring, 2 used	58 38897	Support Bracket
2 97844	Gear, M/S Low Speed	59 941967	Nut, Adjusting
3 97974	Thrust Washer	60 38906	Shoe, Cam Lever
4 97978	Gear w/ Bushing, 2nd speed	61 95249	Companion Flange
5 97848	Main Shaft	62	9/16" N.C. x 2" Cap Screw
6 94458	2 and 3 Synchronizer	63 97554	Brake Drum
7 97999	Gear, 3rd Speed	64 61527	Screw,
8 97998	Washer	65 90235	Seal, Main Shaft, 21120 C/R
9 99003	Gear, 4th Speed	66 91924	Bolt, 4 used
10 95849	Gear, Synchromesh Clutch	67 93161	Retainer, Main Shaft
11 96711	Snap Ring	68 93257	Gasket
12 11564	4 and 5 Synchronizer	69 423351	Screw
13 91484	Snap Ring	70 38869	Lock Plate
14 91486	Washer	71 93628	Speedometer Gear
15 91233	Roller, 14 required	72 92712	Bearing, MRC 308MG
16 99705	Main Drive	73 97982	Retainer with Race
17 92695	Bearing, MRC211MFG	74 91204	Gasket
18 92106	Nut	75 94227	Race, Cam Shaft
19 38809	Gasket	76 93769	Drain Plug
20 94809	Retainer	77 35666	Gasket, PTO Cover, 2 used
21 90128	Screw, 4 used	78 35662	PTO Cover, 2 used
22 91739	Shoulder Screw, 2 used	79 423351	Screw, 12 required
23 99009	Stop, low speed gear	80 11650	Gear Case
24 97342	Case Cover Only	81 444592	1/2" Plug
11353	Cover Assembly Complete	82	5/8" x 1-3/4" N.C. Cap Screw, 4 used
25 92719	Reverse Fork	83 92794	Gasket
26 91221	Reverse Shifter Rail	84 94816	Bell Housing
27 91217	Low Lug, 2 used	85 92421	Washer Key, 2 used
28 91504	Spring, 4 used	86 92348	Yoke
29 147491	Poppet Balls, 10 used	87 F 5392	90 degree Brass Fitting
30 91224	Fourth and Fifth Rail	88 92345	Spring, Pull Back
31 93966	Fork, 4th and 5th	89 93787	Sleeve Only
32 91491	Lug, 2nd and 3rd	93798	Bearing
33 91239	1/8" Roll Pin, 7 used	90 92429	Clutch Pad
34 92779	Rail, 2nd and 3rd	91 F 5393	Flex Hose
35 92717	Low Rail	92 F 5394	Right Angle Fitting
36 91677	Fork, 2nd and 3rd	93	5/8" NF Nut
37 92718	Fork, Low	94 260280	Pressure Plate, J.D. Only
38 92737	Bearing, Front, B1412	1219BW	Pressure Plate, A.C. & I.H.C.
39 92533	Reverse Idler Gear	95 11967	Clutch Disc
40 92534	Reverse Shift Idler Gear	96 F 5362	Pilot Bearing, 6205-2RSNR, AC & IHC
41 93081	Thrust Bearing	97 19-202	Shaft
42 92743	Bearing Race, B1816	98 F 5389	Woodruff Key
43 97991	Retainer, Reverse Idler Gear	99 95276	Screw, 6 used
44 38903	Link, Brake Spacer, 2 used	100 97986	Retainer
45 88524	Brake Cam Lever, 2 used	101 92732	Gasket
46 114787	Clevis Pin, 2 used	102 223736	Screw
47 93414	Bolt	103 97979	Washer, Counter Shaft
48 38898	Bar, Anchor	104 92796	Bearing, Counter Shaft, MRC6208M
49 39616	Spring	105 92917	Thrust Washer
50 35754	Lock Wire	106 93644	Counter Shaft Drive
51 36396	Screw, Brake Anchor Clip	107 92496	4th Speed Counter Shaft
52 94676	Brake Band	108 92497	3rd Speed Counter Shaft
53 97348	Main Shaft Nut	109 92716	Key
54 9422279	Nut	110 97847	Counter Shaft
55 103343	Washer	111 94229	Spacer
56 38904	Screw, Band Adjusting	112 91233	Roller, 24 used
57 35747	Spring, Adjusting Bolt	113 94228	Spacer, Rear
		114 99976	Thrust Washer
		115 92822	O-Ring
		116 93079	Thrust Bearing Race



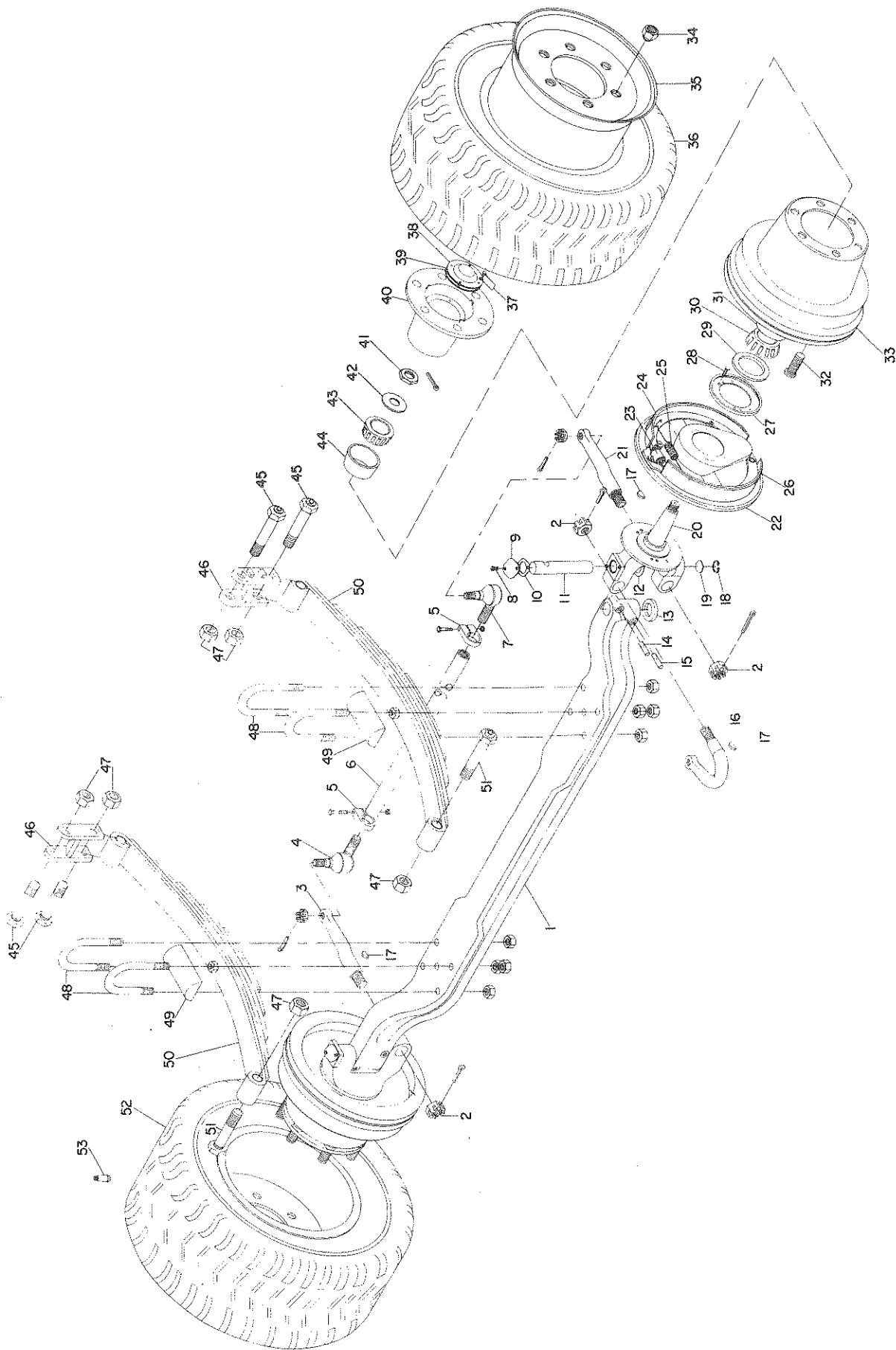
EXHAUST AND AIR CLEANER

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	20-155	Exhaust Adapter, A.C.	18	20-147	Mounting Bracket, Muffler Clamp, Diesel
2	20-143	Muffler Clamp, Diesel, 3-4889 SM		20-141	Mounting Bracket, Muffler Clamp, Gasoline
	20-142	Muffler Clamp, Gas, 35-408 SM	19	20-128	Bleeder, Air Cleaner
3	20-153	Exhaust Elbow, 2-1/2" x 90 degree, 41002 SM	20	20-129	Clamp, Air Cleaner Mount, 2 used
4	20-157	Exhaust Pipe, 2-1/2" OD x 22", A.C.	21	20-127	Air Cleaner
5	20-154	Connector, 35651 SM		20-133	Air Cleaner Element
6	20-158	Exhaust Pipe, 2-1/2" OD x 72", A.C.	22	06-135	Hose Clamp, 4-1216 BK
7	20-194	Gasket for Exhaust Flange, IHC Diesel	23	20-130	Hose, 3" ID x 4"
8	20-152	Exhaust Pipe with Flange, IHC Diesel	24	20-131	Air Cleaner Stand
9	20-144	Exhaust Pipe, 2-1/2" OD x 66", IHC Diesel	25	20-132	Pre Cleaner, H 253 Donaldson
10	20-159	Manifold Adapter, John Deere	26	F 6795	Rubber Elbow, 3" x 90 degrees
11	20-195	Gasket for Manifold Adapter, John Deere	27	F 6796	Rubber Bushing, 2-1/4" x 3", P10-4090
12	20-160	Exhaust Pipe, 2-1/2" OD x 9", John Deere	28	20-150	Pipe, 3" ID x 23", A.C.
13	20-193	Exhaust Pipe, 2-1/2" OD x 20-1/2", John Deere	29	20-136	Pipe, 2-1/4" ID x 25", IHC Gasoline
14	20-103	Exhaust Clamp, IHC Gas 369283R1	30	20-151	Pipe, 3" ID x 16", John Deere
15	20-138	Exhaust Pipe, IHC Gas	31	20-137	Rubber Elbow, 2-1/4" ID x 45 degrees Gasoline
16	20-156	Exhaust Pipe, 2-1/2" OD x 64", John Deere	32	F 6521	Rubber Elbow, 2-1/4" ID x 90 degrees Diesel
17	20-140	Muffler, Diesel, 21475 SM	33	20-149	Intake Manifold Adapter, IHC Diesel
	20-139	Muffler, Gasoline, 0035-22800 SM	34	F 6830	Hose Clamp, 4-1204 BK



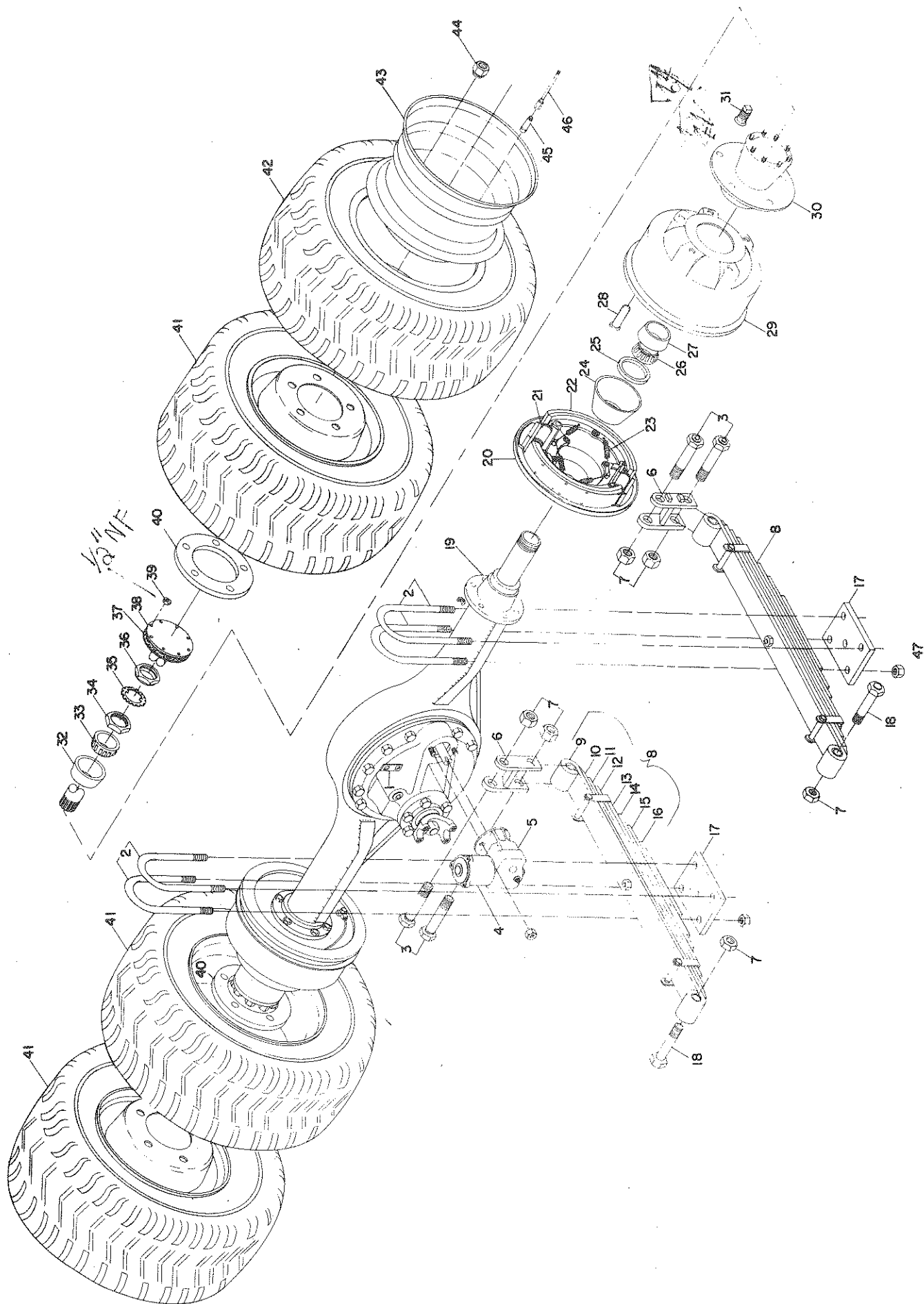
DRIVE LINE

REF. NO.	PART NO.	DESCRIPTION
1	19-909	Drive Line Assembly
2	19-209	Flange Yoke, 3-2-429 Spicer
3	19-124	Journal & Bearing Kit, 5-160X Spicer
4	19-214	Slip Sleeve Yoke, 3-3-118X Spicer
5	19-215	Cork Washer, 3-16-53 Spicer
6	19-216	Steel Washer, 3-1/2-15-53 Spicer
7	19-120	Dust Cap, 3-1/2-14-39 Spicer
8	19-212	Drive Line Shaft
9	19-125	"U" Bolt Assembly, 3-94-18X Spicer



FRONT AXLE

REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
19-920	Front Axle Complete, FC 901 x 92, Wheels & Springs not included.		
1 19-224	Axle Center, 3100H - 2634	27 19-243	Wheel Bearing Oil Slinger, 3286-V-178
2 19-255	Nut, 4X-3	28 19-247	Rivot, Knuckle & Brake Assembly, 17-X-173
3 19-258	Cross Tube Arm, RH, 3133-F-1072	29 19-244	Oil Seal w/ Wiper, A-1205-C-1381
4 19-233	Cross Tube Rod End w/ Nut, RH, A3144-Z-442	30 19-245	Wheel Bearing Cone, Inner, 45284
5 19-266	Clamp w/ Bolt & Nut, A3102-0-3995	31 19-246	Wheel Bearing Cup, Inner, 45220
6 19-265	Cross Tube, 3102-Q-3995	32 19-267	Wheel Stud, LH, 20-X-1393
7 19-232	Cross Tube Rod End w/ Nut, LH, A3144-Y-441	19-268	Wheel Stud, RH, 20-X-1394
8 19-252	Screw, A-10X-468	33 19-250	Brake Drum, 3219-Q-3735
9 19-235	Steering Knuckle Cap, 1199-W-1687	34 19-269	Lug Nut, LH, 1199-G-111
10 19-236	Gasket, Steering Knuckle Cap, 2208-F-370	19-270	Lug Nut, RH, 1199-H-112
11 19-237	Knuckle Pin, 3101-N-92	35 19-276	Wheel
12	Shim, .010 Thk. or .005 Thk.	36 19-277	Tire, 10-17.5, 10 ply
13 19-259	Thrust Bearing, T-126	37 19-264	Cap Screw, 3 25G
14 19-240	Draw Key, upper, 7X-59	38 19-262	Hub Cap, 3 262-K-89
15 19-241	Draw Key, lower, 7X-9	39 19-263	Gasket, Hub Cap, 2208-J-374
16 19-242	Steering Arm	40 19-271	Hub, 333-G-1801
17 19-256	Key, 16X-202	41 19-260	Nut, X1421
18 19-254	Retaining Lock, 1229-T-1138	42 19-261	Washer, 1229-Y-1325
19 19-253	Plug, 1250-P-172	43 19-249	Wheel Bearing Cone, Outer, 25880
20 19-238	Steering Knuckle w/Bushing, LH, A3111-Q-849	44 19-248	Wheel Bearing Cup, Outer, 25820
19-239	Steering Knuckle w/Bushing, RH, A3111-R-850	45 19-105	Bolt, Rear Shackle
19-251	Bushing for 19-238 & 19-239, 1225-D-524	46 19-104	Shackle
21 19-257	Cross Tube Arm, LH, 3133-E-1071	47	1-1/8" UNF ESNA Nut
22 19-914	Complete Brake Assembly, LH, WE-16-695	48 19-231	"U" Bolt w/ Nuts
19-915	Complete Brake Assembly, RH, WE-16-694	49 19-203	Spring Spacer
23 19-272	Wheel Cylinder, A-3261-A-27	50 19-210	Spring Assembly
24 19-275	Rear Brake Shoe, A6-3722-M-169	19-225	Top Leaf
25 19-273	Spring-Brake Shoe Return, 5758-Q-43 Stopmaster	19-226	2nd Leaf
26 19-274	Front Brake Shoe, A5-3722-M-169	19-227	3rd Leaf
		19-228	4th Leaf
		19-229	5th Leaf
		19-230	Bottom Leaf
		51 19-110	Bolt, Front Shackle
		52 19-911	Tire & Wheel Assembly
		53 19-109	Valve Stem



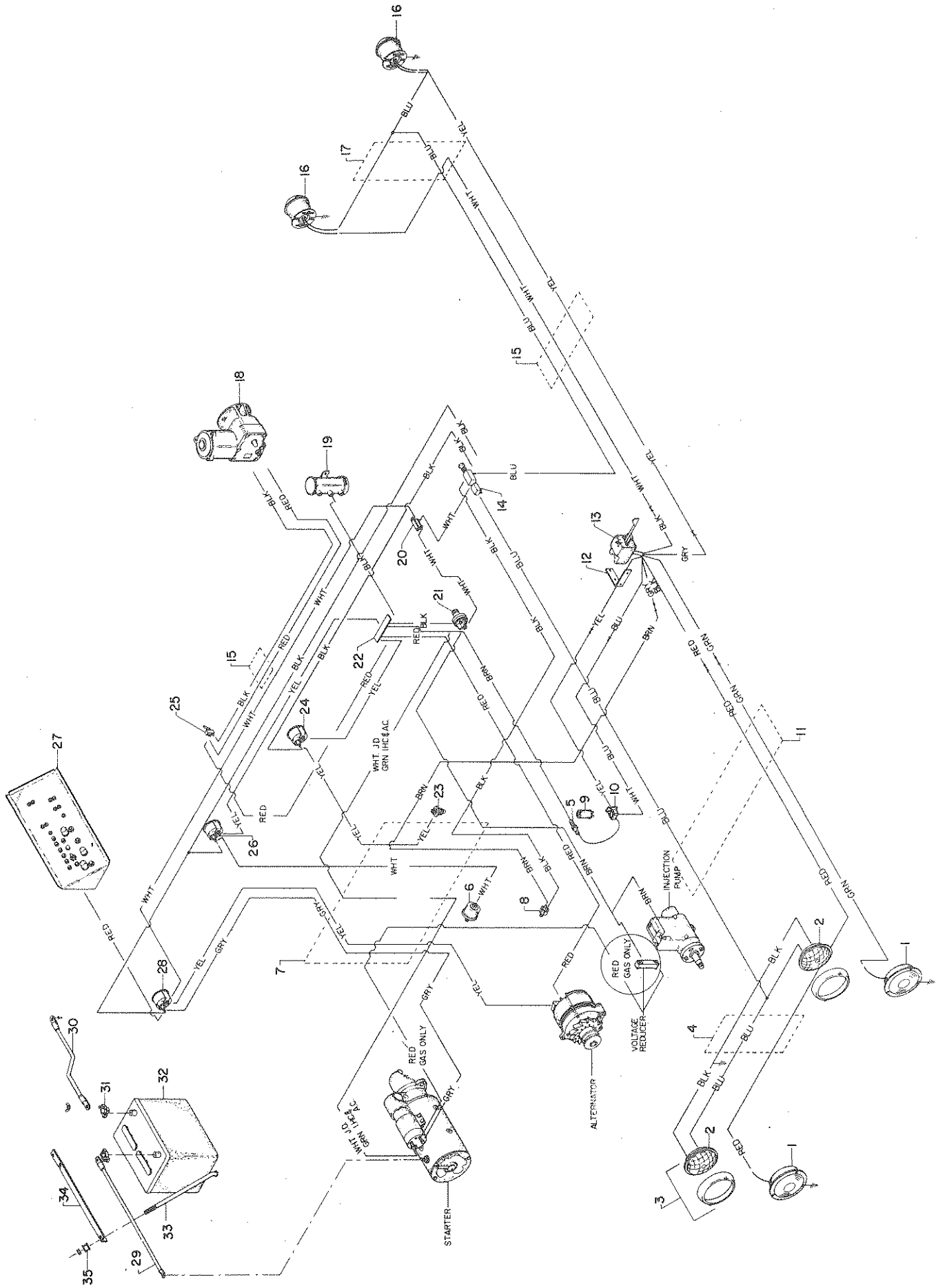
REAR AXLE

REF. NO.	PART NO.	DESCRIPTION
	19-912	Rear Axle, complete
1	19-159	Brake Line Support
2	19-281	"U" Bolt, 4 used
3	19-105	Bolt, Rear Shackle, 4 used
4	19-193	Motor Only, 2 Speed Shift
5	19-115	Two Speed Shift Unit w/ motor
6	19-104	Spring Shackle, 2 used
7		1-1/8" - 12 NF Esna Nut, 6 used
8	19-211	Rear Spring Assembly, 8-leaf, 2 used
9	19-282	Top Leaf
10	19-283	2nd Leaf
11	19-284	3rd Leaf
12	19-285	4th Leaf
13	19-286	5th Leaf
14	19-287	6th Leaf
15	19-288	7th Leaf
16	19-289	Bottom Leaf
17	19-112	Plate, Spring Bottom, 2 used
18	19-110	Bolt, Front Shackle, 2 used
19	19-290	Rear Axle Housing Only
20	19-918	Brake Assembly, RH
	19-919	Brake Assembly, LH
21	19-291	Wheel Cylinder, FD9534
22	19-292	Shoe with Lining, FD9553
23	19-293	Spring, Brake Shoe Retracting, FC12098
24	19-294	Dust Shield
25	19-295	Oil Seal, Inner Hub, 34188
26	19-296	Bearing Cone, Inner Hub, 3984
27	19-297	Bearing Cup, Inner Hub, 3920
28	19-298	Lug Bolt, RH, 70071
	19-299	Lug Bolt, LH, 70072
29	19-300	Brake Drum
30	19-301	Hub
31	19-302	Inner Nut, Dual Wheel, RH, B10708
	19-324	Inner Nut, Dual Wheel, LH, B10709
32	19-303	Bearing Cup, Outer Hub, 29520
33	19-304	Bearing Cone, Outer Hub, 29585
34	19-305	Hub Nut, 9126
35	19-306	Hub Nut Lock, 54676
36	19-307	Nut with Oil Seal, 12411
37	19-308	Axle Gasket, 34416
38	19-309	Axle Shaft, 43776
39	19-310	Nut, Axle Shaft Stud, 28520
40	19-311	Spacer
41	19-910	Tire and Wheel Assembly
42	19-277	Tire, 10x17.5, 10 ply GHM
43	19-312	Rear Wheel, 5 Hole
44	19-313	Lug Nut, RH, B37891
	19-314	Lug Nut, LH, B37892
45	19-109	Valve Stem
46	07-122	Valve Stem Extension



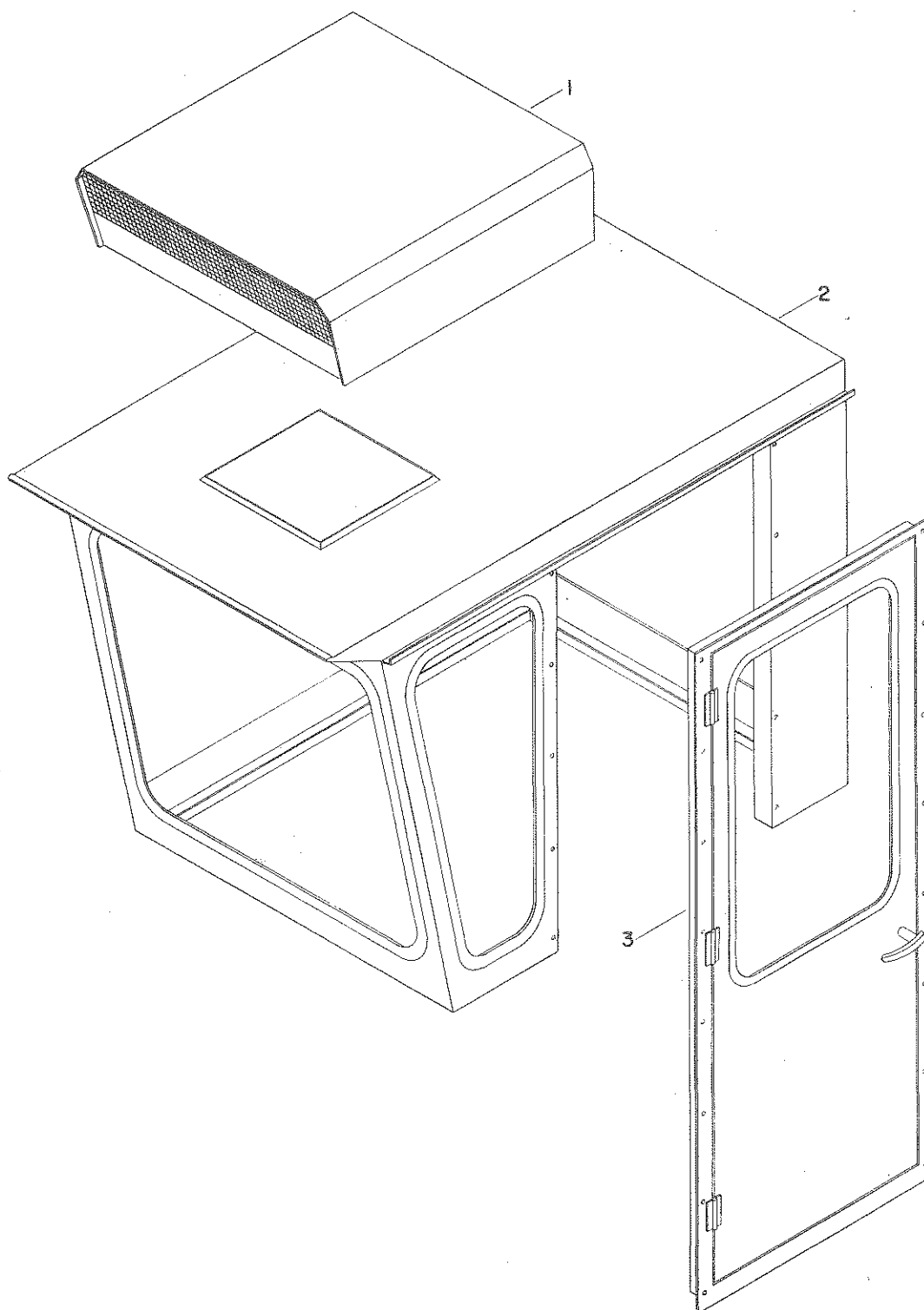
REAR AXLE DIFFERENTIAL BREAKDOWN

PART NO.				PART NO.			
REF.	Carrier Type		DESCRIPTION	REF.	Carrier Type		DESCRIPTION
NO.	Conical	Ribbed		NO.	Conical	Ribbed	
1	12563	12563	Lock Wire	51			Washer
2	90036	90036	Cap Screw	52	49849	10776	Pinion Bearing Cup (Inner)
3	90873	90873	Cotter Pin	53			Pinion Bearing Cage Shims
4	90186	90186	Adjuster Lock (RH)			12099	0.003
5	47941	47941	Differential Carrier & Bearing Caps			58961	0.005
6	10524	10524	Differential Bearing Adjuster (RH)			12097	0.010
7	24328	24328	Differential Bearing Cup (RH)			58962	0.020
8	24330	24330	Differential Bearing Cone (RH)			12096	0.030
9	44355	44355	Bolt	54	64548	81737	Pinion Bearing Cage w/ Cups
10	20759	20759	Gear Support Case (RH Half)	55	28571	90417	Lock Washer
11	20850	20850	Support Case Thrust Washer (RH)	56	30800	10809	Cap Screw
12	70298	70298	Differential Assy.	57	49849	10776	Pinion Cap (Outer)
13	32130	23130	Lock Wire	58	49848	10775	Pinion Bearing Cone (Outer)
14	20768	20768	Cap Screw (Long)	59	12904	12904	Companion Flange Flat Washer
15	20761	20761	Differential Case (RH Half)	60			Washer
16	20850	20850	Side Gear Thrust Washer (RH)	61	67925		Strip Seal
17	70061	70061	Side Gear (RH)	62	64551	64551	Oil Seal
18	25968	25968	Side Pinion Thrust Washer	63	64549	64550	Oil Retainer
19	69967	69967	Side Pinion	64	4114	4114	Companion Flange
20	20766	20766	Spider	65	23991	23991	Flat Washer
21	70061	70061	Side Gear (LH)	66	90246	90246	Pinion Nut
22	20850	20850	Side Gear Thrust Washer (LH)	67	90302	90302	Cotter Pin
23	20884	20884	Differential Case w/ Clutch Plate Pin	68			Washer
24	20821	20821	Idler Pinion Pin	69			Dowel Bushing
25	74057		Idler Pinion	70		15275	Oil Collector Drum
		15868	Idler Pinion	71	12563	12563	Lock Wire
26	74056	16401	High-Speed Clutch Plate	72			Lock Bushing (LH)
27	43268	43268	Support Case Thrust Washer (LH)	73			Lock Wire
28	74044	74044	Ring Gear & Drive Pinion	74			Shift Fork Shaft Bushing
29	13385	13385	Gear Support Case (LH Half)	75			Cork Washer
30	60597	60597	Lock Nut	76		47941	Cap Screw
31	9804	9804	Differential Bearing Cone (LH)	77		47941	Lock Washer
32	9803	9803	Differential Bearing Cup (LH)	78		47941	Pinion Inner Bearing Sleeve
33	74055	19849	Differential Bearing Adjuster (LH)	79		47941	Differential Carrier & Bearing Caps
34	74054	19848	Sliding Clutch Gear				(Matched Parts)
35	10602	10602	Adjusting Lock	80		33127	Carrier Shift Pad Cup Plug
36	9820	9820	Cap Screw	81		5515	Oil Distributor
37	71805	71805	Carrier Gasket	82		15277	Spring
38	67815		Oil Trough Screw	83		90321	Pipe Plug
39	67814		Oil Trough	84			Pinion Bearing Cage Spacers
40	9797	9797	Expansion Plug			12099	0.003
41	47399	47399	Shift Fork Shaft (2-Sp)			58961	0.005
42	78400	78400	Shift Fork Stud (2-Sp)			12097	0.010
43	32326	32326	Shift Fork Assy. (2-Sp)			58962	0.020
44	64085	64085	Shift Fork Seal & Spring			12096	0.030
45	35585	35585	Shift Fork Seal Spring	85		81737	Pinion Bearing Cap w/ Cups
46	78401	78401	Stud Flat Washer	86		10767	Cork Seal
47	63028	63028	Stud Nut	87		46551	Oil Seal
48	13224	13224	Pinion Pilot Bearing	88		55548	Felt Seal
49	49848	10775	Pinion Bearing Cone (Inner)	89		46549	Oil Seal Retainer Assy.
50	10800	10800	Pinion Bearing Spacer				



ELECTRICAL SYSTEM

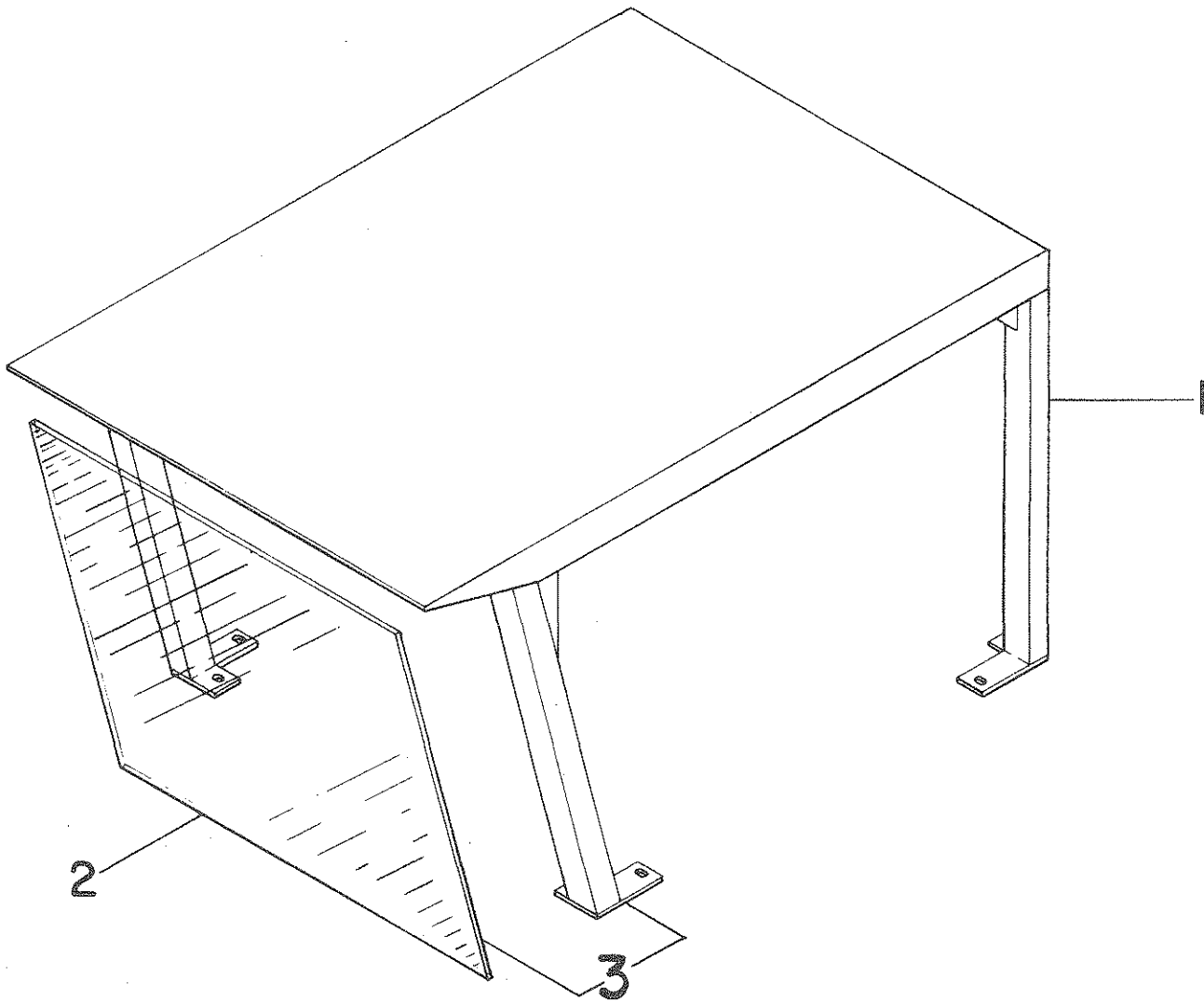
REF. PART NO. NO.	DESCRIPTION
1 03-155	Turn signal light, 6003-12-A Speaker
2 03-103	Sealed beam unit only (F6429)
3 03-102	Headlight with housing (F6428)
4 03-150	Wire harness, head light & turn signal
5 03-112	Fuse, 14 amp
6 03-132	Sending unit oil pressure, 353SSW
7 03-151	Wire harness, A.C.
03-152	Wire harness, I.H.C.
03-194	Wire harness, J.D.
8 03-130	Switch, stop light, SL134 Echlin
9 03-113	Flasher, 550 Echlin
10 03-195	Flasher base
11 03-106	Wire harness, deck to hood
12 03-196	Mounting bracket, signal light control
13 03-157	Control, signal light, No. 900 Signal Stat
14 03-108	Switch, light (F862)
15 03-153	Wire harness, Deck to rear
16 03-156	Tail and stop light, 182-2611 Napa
17 03-154	Wiring harness, tail & Stop light
18 19-115	Two speed shift unit w/motor
19 03-134	Electric fuel pump, No. 476087 Bendix
20 03-111	Circuit breaker, 3005-30 CH
21 03-110	Switch, ignition, KS6180 Echlin
22 03-197	Terminal block, M449
23 03-133	Sending unit, temperature, 362AN SW
24 03-115	Gauge, temperature, 311HH SW
25 03-114	Switch, 2 speed, 2X465 Grainger
26 03-116	Gauge, oil, 306DD SW
27 03-901	Control panel complete, cage
28 03-117	Gauge, amp, 359EN SW
29 03-198	Battery cable, I.H.C., 75"
03-199	Battery cable, J.D., 92"
03-200	Battery cable, A.C., 62"
30 03-201	Cable, ground, 13"
03-202	Battery connecting cable, 6½"
31 03-203	Battery terminal, Positive, CP809
03-204	Battery terminal, negative, CP810
32 03-138	Battery, 2 used with diesel
33 03-143	Battery holddown bolt, 2 used
34 03-139	Battery holddown, gasoline
03-140	Battery holddown, diesel
35 03-144	Battery holddown grommet



CAB

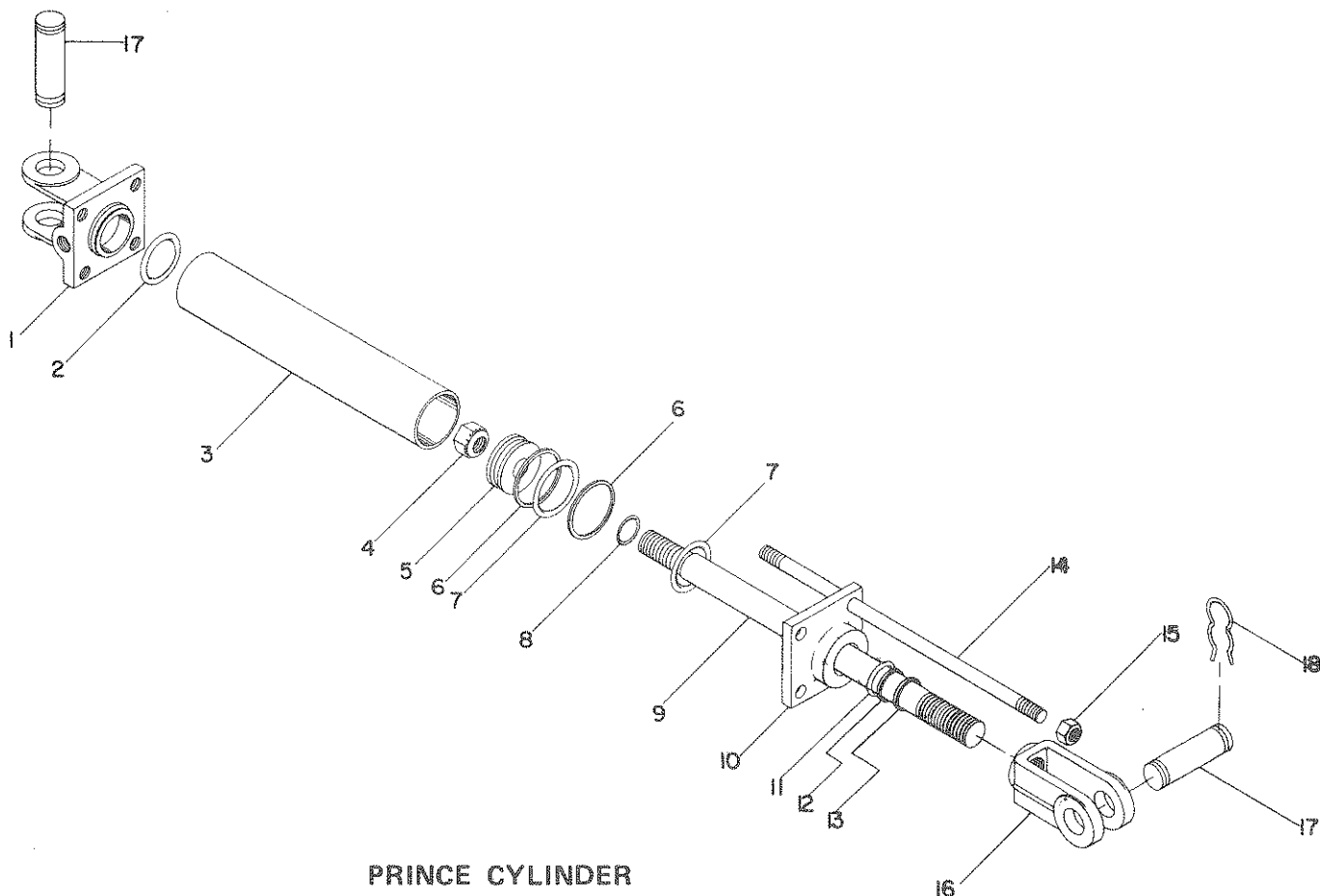
REF. NO.	PART NO.	DESCRIPTION
	17-901	Cab Complete with Door
	17-902	Cab Complete with Door & Blower
1	17-171	Blower for Cab
2	17-222	Cab with Cutout for Blower
	17-223	Cab Without Cutout
3	17-170	Door

MTR 60 32761 MOTOR ONLY F/BLOWER



HALF CAB

REF. NO.	PART NO.	DESCRIPTION
1	17-224	Half Cab
2	17-225	Windshield
3	17-903	Half Cab Complete with Windshield

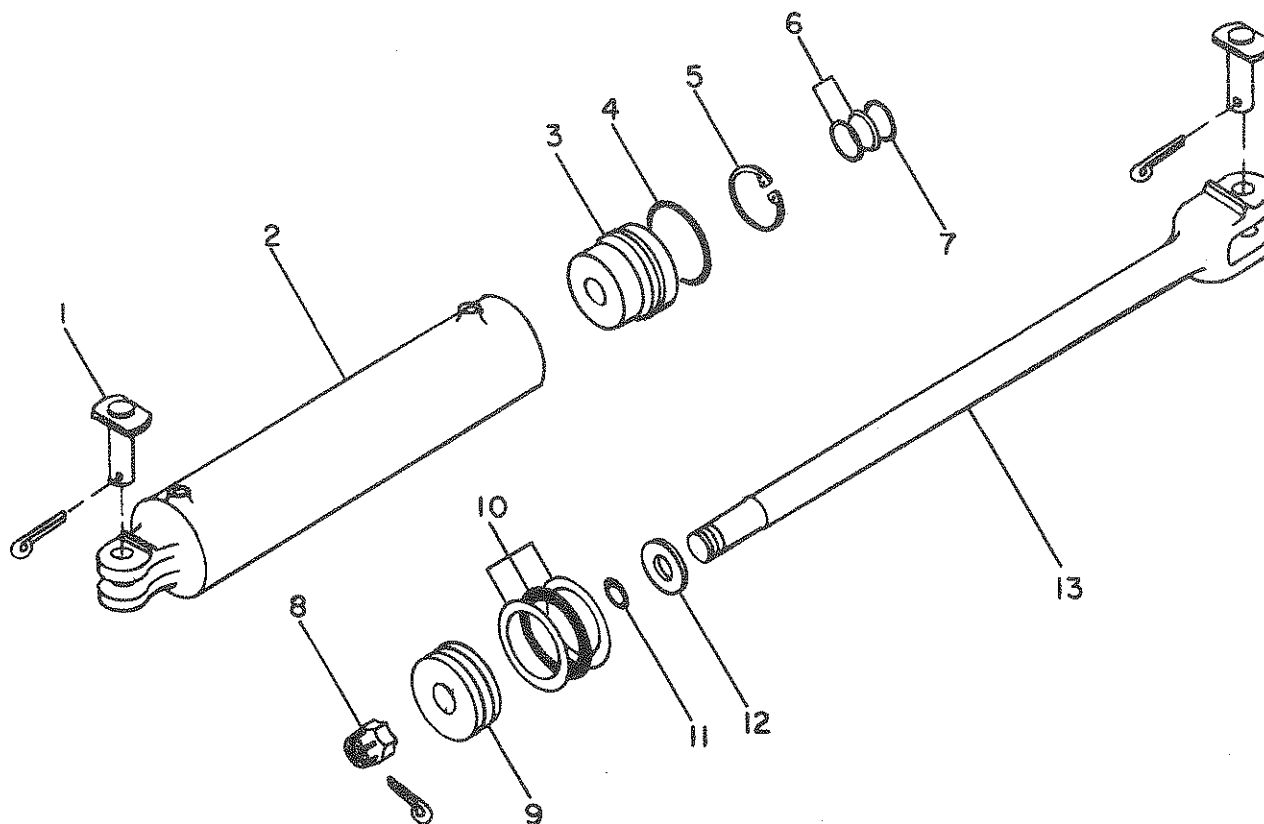


PRINCE CYLINDER

REF. NO.	QUAN- TITY	DESCRIPTION	PMC 8408 (F 6519)	PMC 9010 (01-568)
			PART NO.	PART NO.
1	1	Butt	141100003	141199991
2	2	"O" Ring	240001326	240001326
3	1	Tube	051100008	051100009
4	1	Lock Nut	220000208	220000208
5	1	Piston	071100004	071100004
6	2	B/U Washer	240005326	240005326
7	1	"O" Ring	240000326	240000326
8	1	"O" Ring	240000018	240000018
9	1	Piston Rod	010400008	010500006
10	1	Gland	081100006	081100005
11	1	B/U Washer	240005214	240005216
12	1	"O" Ring	240000214	240000216
13	1	Wiper	250001214	250001216
14	4	Tie Rod	170103122	170201141
15	4	3/4 Nut		
16	1	Clevis	100000014	100000018
17	2	Clevis Pin	190400001	190400001
18	4	Hair Pin Clip	190400002	190400002

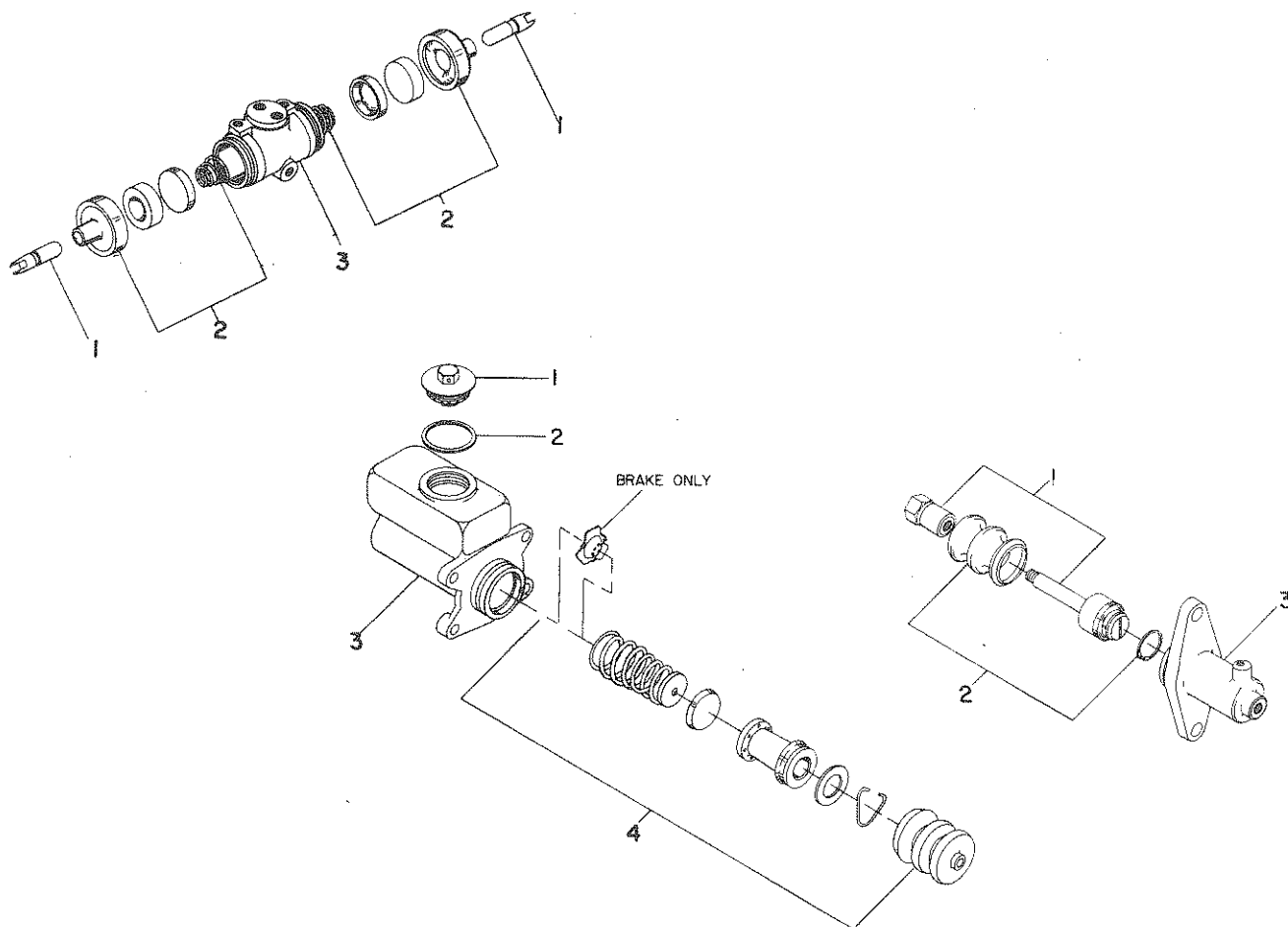
READ BEFORE ORDERING PARTS:

The parts listed above are for newer model cylinders beginning with serial no. 00614935 and larger. Cylinders with smaller numbers please advise serial no. when ordering parts. Serial numbers are located on the tube near the butt end in line with the port holes.



CYLINDER

	01-566	Hypower	LC 25 x 63
REF. PART NO.	NO.	QUANTITY	DESCRIPTION
1	LC25P.28	1	Clevis Pin
2	LC 258C	1	Tube
3	LC 25E	1	Head
4	LC 250-57	1	Head "O" Ring
5	LC 25LR-47	1	Lock Ring
6	LC 25 US	2	Shaft Packing
7	LC 25 RW	1	Rod Wiper
8	LC25N-82	1	Piston Nut
9	LC25B-133	1	Piston
10	LC25PO-137	1	Piston Packing
11	LC25SO-153	1	Small "O" Ring
12	LC 25M	1	Steel Washer
13	LC25-63C	1	Shaft



BRAKE AND CLUTCH CYLINDERS

19-272 ----- Brake Wheel Cylinder

REF. NO.	PART NO.	DESCRIPTION
1	2042	Link, 2 used
2	13644	Kit, Includes Boot, Cap and Spring
3		Body

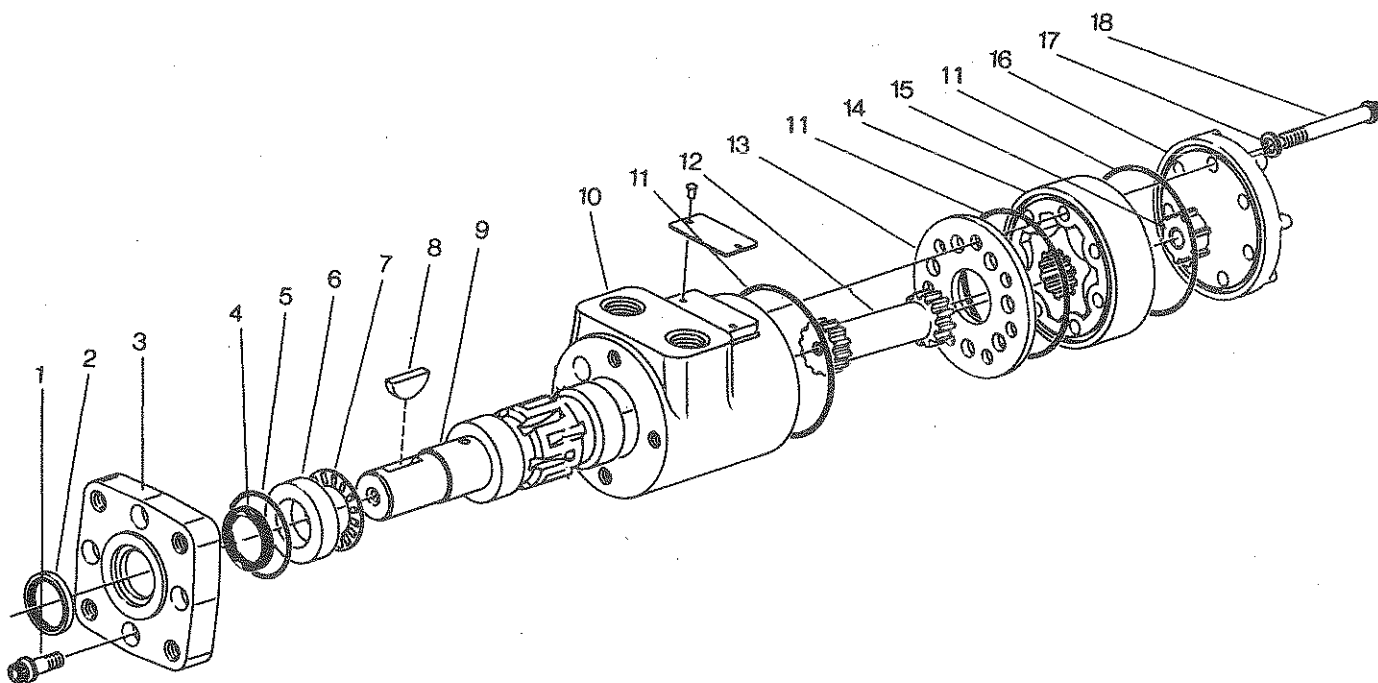
19-138 ----- Clutch Master Cylinder

19-157 ----- Brake Master Cylinder

REF. NO.	PART NO.	DESCRIPTION
1	2152	Cap
2	2167	Gasket
3	FE23126	Body
4	19432	Kit, Includes Spring, Retainer Cup, Piston Plate, Snap Ring & Boot

19-175 ----- Clutch Slave Cylinder

REF. NO.	PART NO.	DESCRIPTION
1		Piston & Nut
2	33124	Kit, Includes Boot & Cup Retainer
3	FE21637	Body



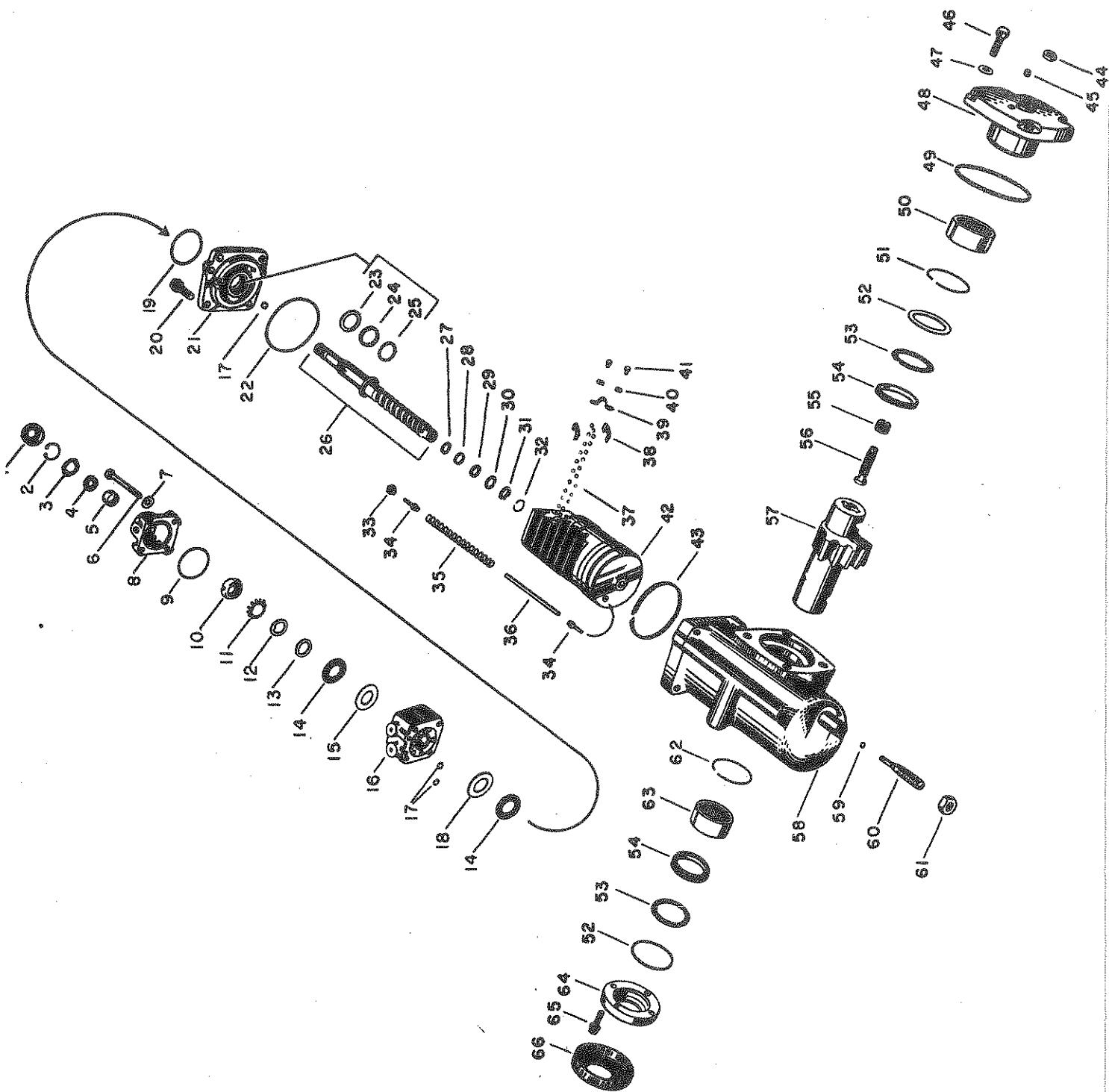
HYDRAULIC MOTOR BREAKDOWN 01-601

101-1006-007 CHARLYNN

101-1006-005 CHARLYNN

REF. PART NO.	NO.	DESCRIPTION
1	5777	5/16"x7/8" NF Cap Screw
2	9055-1	Seal
3	7464	Flange, Mounting
4	9057-1	Seal
5	15048	Seal, O-Ring
6	7462	Race, Bearing
7	7537	Bearing, Thrust Needle
8	14193	Key, Woodruff
9	7360-1	Shaft, Output
10	7359-2	Housing
11	5776	Seal, O-Ring
12	616	Drive
13	7358	Plate, Spacer
14	7357-6	Gerotor Set
15	6901-5	Spacer
16	7461	Cap, End
17	6049	Washer, Seal
18	5389-6	5/16"x2 1/2" NF Cap Screw
	60023	Seal, Kit, Incl. Ref. 4,5,11, and 17

REF. PART NO.	NO.	DESCRIPTION
1	5777	Cap Screw, 5/16"x5/8"
	5417	Washer, 5/16 Internal Lock
	14166	Rolled Pin, 1/4" x 1"
2	844	Oil Seal, 1-1/4" x 1 x 1
3	6295	Plate, Mounting
4	5799	Washer, Teflow Backup
	20599	Seal, Quad, 1-5/16" OD x 1/8"
5	15048	Seal, Quad, 1-5/16" OD x 3/32"
6	866	Race, Bearing
7	867	Bearing, Thrust
8	14193	Key, Woodruff, 1/4" x 1"
9	5367	Shaft, Output
10	6316-2	Housing & Spool, Matched Assembly
	6305-2	Housing (NSS)
	15007	Seal, "O" Ring, 1/2" OD x 1/16"
	20817	Plug, Housing
12	616	Drive
13	5414	Spacer, Plate
14	5387-6	Gerotor Set
15	621	Spacer
	5662	Spacer
16	6481	Cap End
17	6049	Washer, Seal
18	5389-6	Cap Screw, 5/16"
	20831-1	Seal Kit, Incl. Ref. 2,4,5, and 17



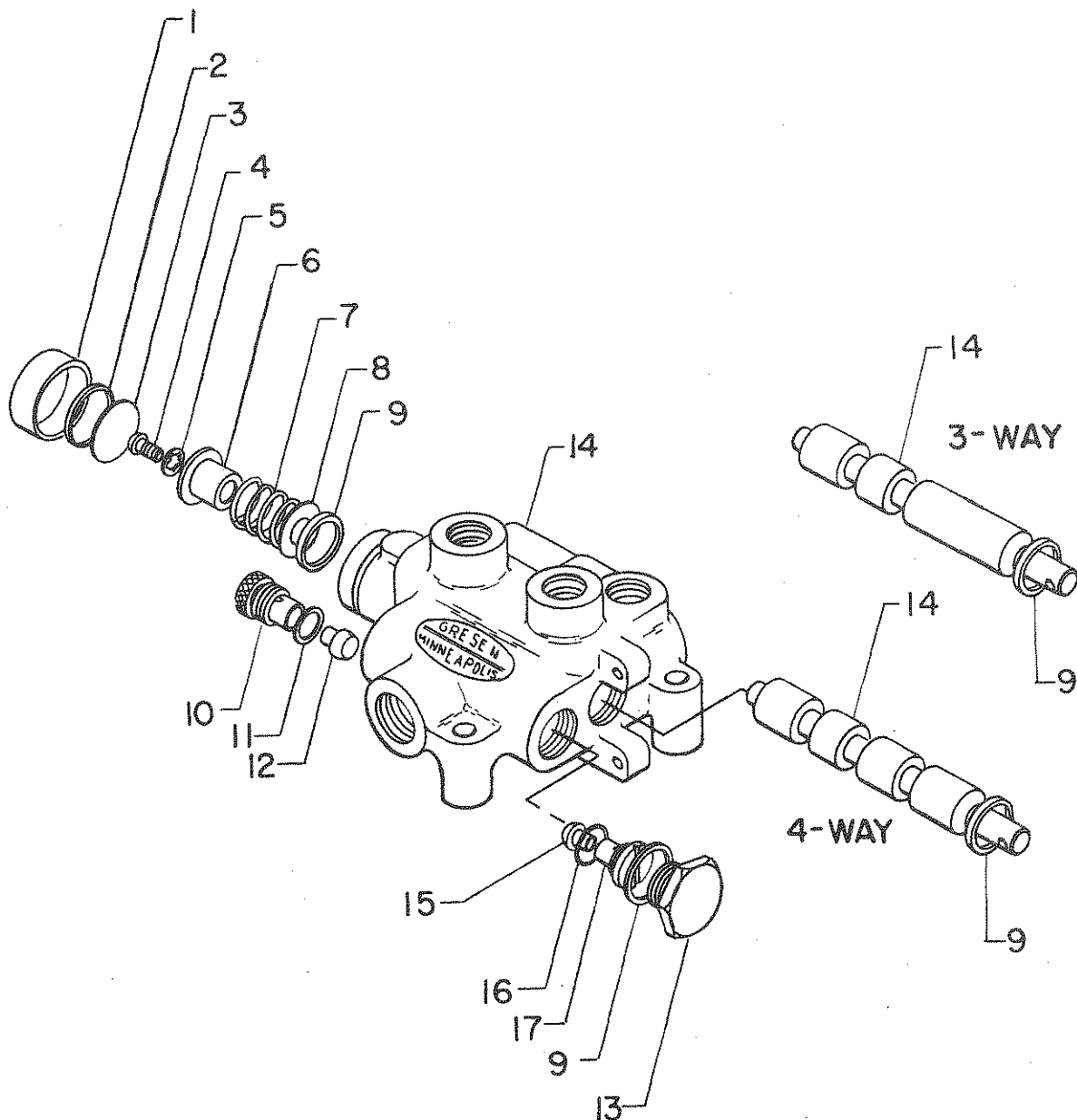
STEERING GEAR ASSEMBLY BREAKDOWN

17-209

HF 54008 TRW

WHEN ORDERING THE FOLLOWING PARTS,
PLEASE MAKE NOTE THAT THEY ARE
STEERING GEAR PARTS

			REF. NO.	PART NO.	DESCRIPTION
1	402226	Seal, Input Shaft Dirt & Water	35	401321	Spring
2	401314	Ring, Retaining	36	075002	Rod, Poppet
3	029097	Washer, Seal Back-up			
4	032356	Seal, Input Shaft	37	215396	Ball, Steel, 2 used
5	063029	Bearing, Input Shaft Needle		213684	Ball, Steel, 2 used
6	G186282	Cap Screw	38	213685	Guide, Ball Return
7	028333	Washer	39	402302	Clip, Ball Return Guide
8	HF546001	Cover, Hydraulic Control Valve	40	028371	Lock Washer (spl.)
	HF546001-A1	Cover & Bearing Assembly, Inc. Ref. 5 & 8	41	G179788	Hex Head Screw
9	032344	Seal, Hydraulic Control Valve Cover	42	HF547004	Rack, Piston
10	G127708	Nut, Thrust Bearing Adjustment	43	C546001	Ring, Piston
11	028285	Washer, External Tang Adjusting Lock Nut	44	025031	Nut, Sector Shaft Adjusting Screw Jam
12	028258	Washer, Internal Tang	45	036141	Plug, Relief (plastic)
13	028332	Washer, Thrust Bearing Race (Small)	46	G179858	Hex Head Cap Screw
14	065978	Bearing, Needle Thrust, 2 used	47	028334	Washer, 4 used
15	028288	Washer, Thrust Bearing Race (Large)	48	HF545002	Cover, Housing Side
16	V220007	Valve, Hydraulic Control		HF545002-A1	Side Cover Assembly, Ref. 45,48,50 to 54
17	032341	Seal, Hydraulic Cylinder Port, 3 used	49	032385	Seal, Housing Side Cover
18	028288	Washer Thrust Bearing Race (Large)	50	069508	Bearing, Sector Shaft
19	032344	Seal, Hydraulic Control Valve Cover	51	401222	Snap Ring
20	020205	Cap Screw (12 point), 4 used	52	028366	Washer, Seal Back-up (steel)
21	402306	Adapter, Hydraulic Control Valve	53	032383	Washer, Leather Back-up
	402306-A1	Adapter Assembly, Inc. Ref. 21 to 25	54	032384-A1	Seal Assembly, Sector Shaft
22	032381	Seal, Hydraulic Control Valve Adapter	55	062005	Retainer, Sector Shaft Adjusting Screw
23	032380	Washer, Seal Back-up	56	021246	Screw, Sector Shaft Adjusting
24	032325	Seal, Hydraulic Control Valve Adapter	57	HF544001-409	Shaft, Sector
25	401320	Ring, Spiral Lock		HF544001-A1-409	Gear, Shaft & Adjusting Screw Incl. Ref. 55,56,57
26	HF543003	Shaft, Input Worm		HF544001-A2-409	Side Cover & Gear Shaft Assembly, Incl. Ref. 45,48,50 to 57
	HF543003-A1	Worm, Adapter, Rack & Valve Assembly, Incl. Ref. 5,8,21,23 to 43	58	HF542003	Housing, Steering Gear
	HF543003-A2	Worm, Adapter and Rack Assembly, Inc. Ref. 21,23 to 43		HF542003-A1	Housing Assembly, Incl. Ref. 58 to 63
27	213679	Washer, Lower Worm Shaft Seal Back-up	59	032200-3	"O" Ring, Pressure Unloader Screw
28	3522	Seal, Lower Worm Shaft	60	021244	Screw, Pressure Unloader Valve Adjusting
29		Cup, Lower Worm Shaft	61	G272121	Nut, Pressure Unloader Valve Adjusting
30	213677	Washer, Lower Worm Shaft Seal Cup Back-up (Bronze)	62	401324	Ring, Sector Shaft Bearing Retaining
31	213627	Washer, Lower Worm Shaft Retaining Ring	63	069509	Bearing, Sector Shaft
32	3430	Ring, Lower Worm Shaft Retaining	64	402303	Adapter, Sector Shaft Seal
33	415414	Seat, Poppet, 2 used		402303-A1	Trunnion Seal Carrier Assembly, Incl. Ref. 53, 54,64
34	040092	Poppet, 2 used	65	020206	Cap Screw (12 point), 4 used
			66	032387	Seal, Sector Shaft Dirt & Water



HYDRAULIC CONTROL VALVE BREAKDOWN

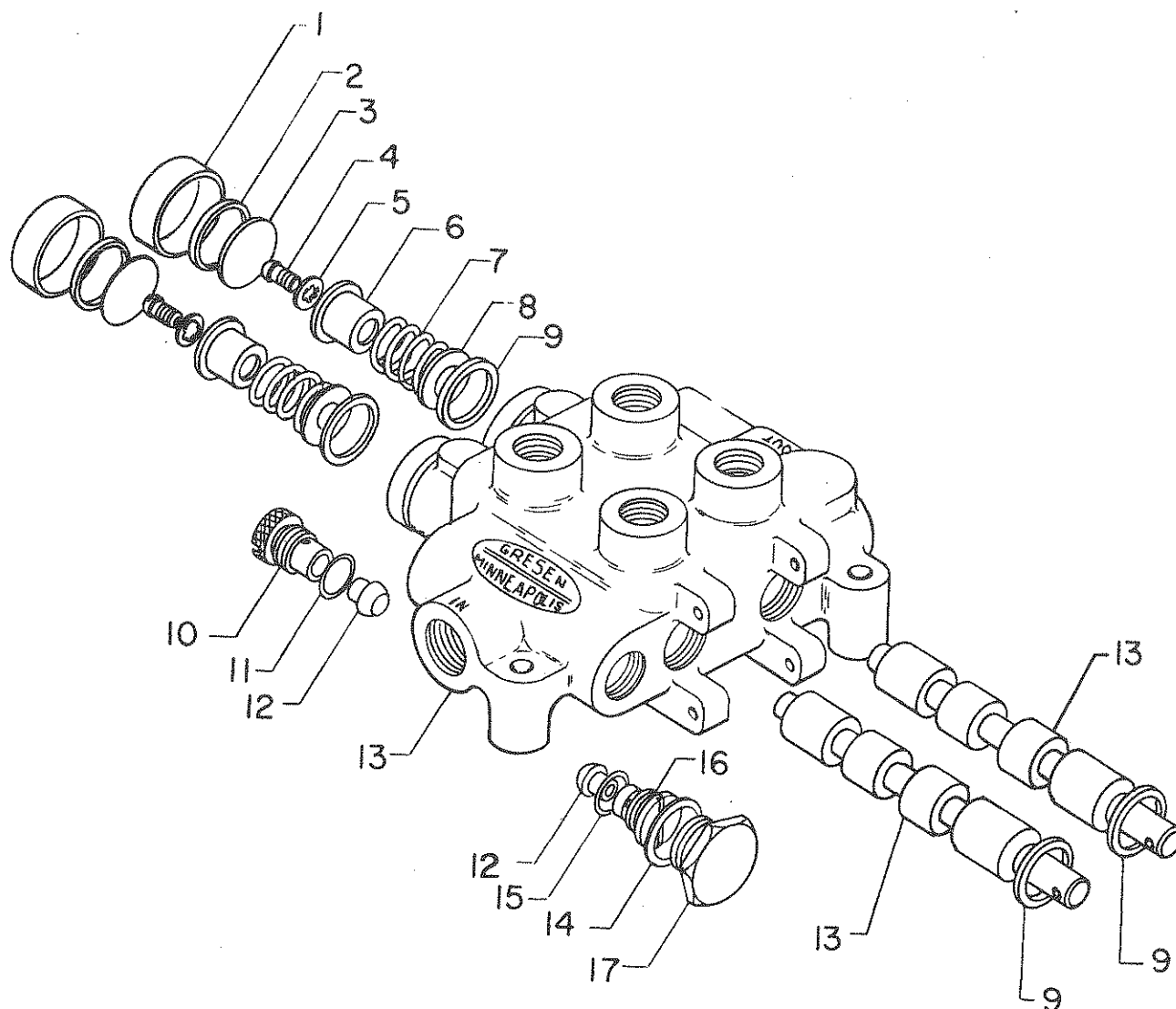
01-501
SPYT-4-NR GRESEN

REF. PART NO.	NO.	DESCRIPTION
1	967	Rubber Bonnet
2	914	Stop Disc, Snap Ring
3	912	Stop Disc
4	510	Spring Assembly Bolt
5	2529	Center Spring Lock Washer
6	911A	Stop Collar
7	913	Center Spring
8	1202	Stop Washer
9	932	Spool Seal, 3 used
10	2783	Check Plug
11	1141	Check Plug "O" Ring
12	2781	Check Poppet
13	983	Relief Plug Cap
14	2701 & 904	Valve Housing & Spool
15	2781	Check Poppet
16	2706	Relief Valve Seat "O" Ring
17	2787	Relief Seat Plug (N.R.)

HYDRAULIC CONTROL VALVE BREAKDOWN

01-520
SPYE-3-NR GRESEN

REF. PART NO.	NO.	DESCRIPTION
1	967	Rubber Bonnet
2	914	Stop Disc, Snap Ring
3	912	Stop Disc
4	510	Spring Assembly Bolt
5	2529	Center Spring Lock Washer
6	911A	Stop Collar
7	913	Center Spring
8	1202	Stop Washer
9	932	Spool Seal, 3 used
10	2783	Check Plug
11	1141	Check Plug "O" Ring
12	2781	Check Poppet
13	983	Relief Plug Cap
14	2701 & 903	Valve Housing & Spool
15	2781	Check Poppet
16	2706	Relief Valve Seat "O" Ring
17	2787	Relief Seat Plug (N.R.)



HYDRAULIC CONTROL VALVE BREAKDOWN

01-516

SP-4-4-NR GRESEN

REF. PART NO.	PART NO.	DESCRIPTION
1	967	Rubber Bonnet, 3 used
2	914	Stop Disc Snap Ring, 3 used
3	912	Stop Disc, 3 used
4	510	Spring Assembly Bolt, 3 used
5	2529	Cent. Spring Lockwasher, 3 used
6	911-A	Stop Collar, 3 used
7	913	Centering Spring, 3 used
8	1202	Stop Washer, 3 used
9	932	Spool Seal, 6 used
10	2783	Check Plug
11	1141	Check Plug "O" Ring
12	2781	Check Poppet, 2 used
13	2703 & 904	Valve Housing & Spools
14	923	Relief Body Gasket
15	2706	Relief Valve Seat "O" Ring
16	2787	Relief Seat Plug (N.R.)
17	983	Relief Plug Cap

INTENTIONALLY BLANK