

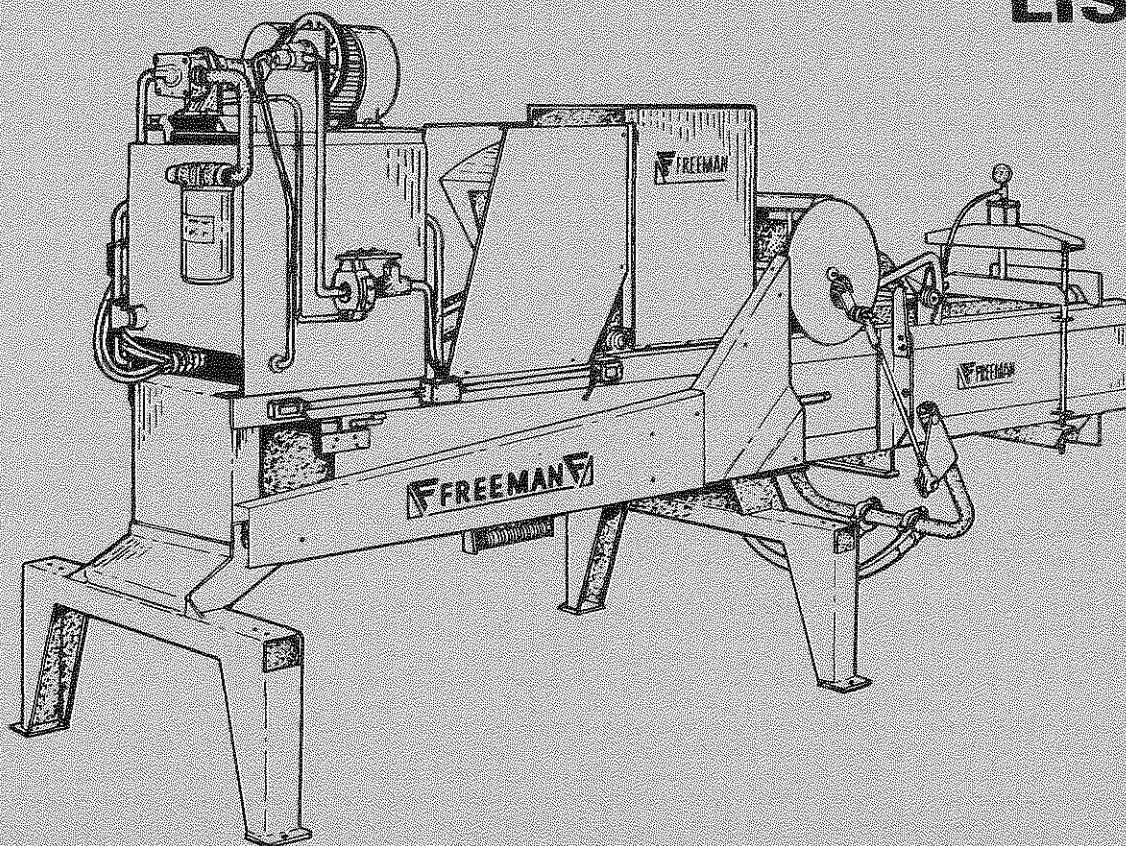
FREEMAN

COTTON MOTES

BALER

PARTS

LIST



manufactured and distributed by

J. A. FREEMAN & SON, INC.

PB00000159

PORTLAND, OREGON

Printed in U.S.A. 9-76

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.
 - (c) In identifying some parts we refer to them as "front", "rear," right or left. In doing this we consider the "front" of the machine the end the motor and pump are mounted on, and the "rear" where the bale comes out. "Right" and "left" are determined by standing at the rear of the machine facing toward the front.
 - (d) Due to the complexity on some of the parts, we have used reference numbers on the pictures. Please do not use these reference numbers as part numbers.
2. Order by baler serial number and model.
3. Much delay and confusion can be avoided if part numbers are arranged in sequence on all orders.
4. State how to ship: whether by truck, stage, parcel post, air parcel post, UPS 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:

Baler Serial No. _____

Motor Serial No. _____

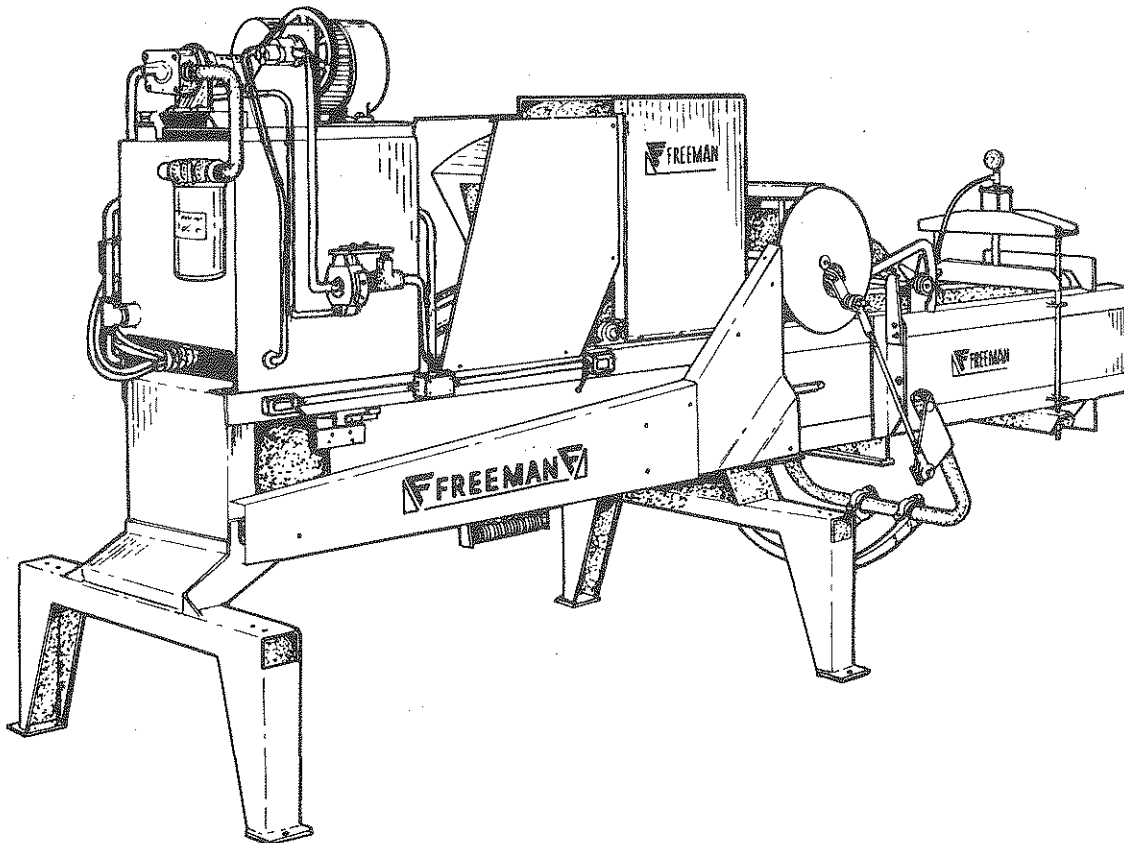
Permission must be secured before any parts are returned for credit. When parts are returned, the freight must be prepaid or arrangements made so that they can be brought in by our trucks.

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.

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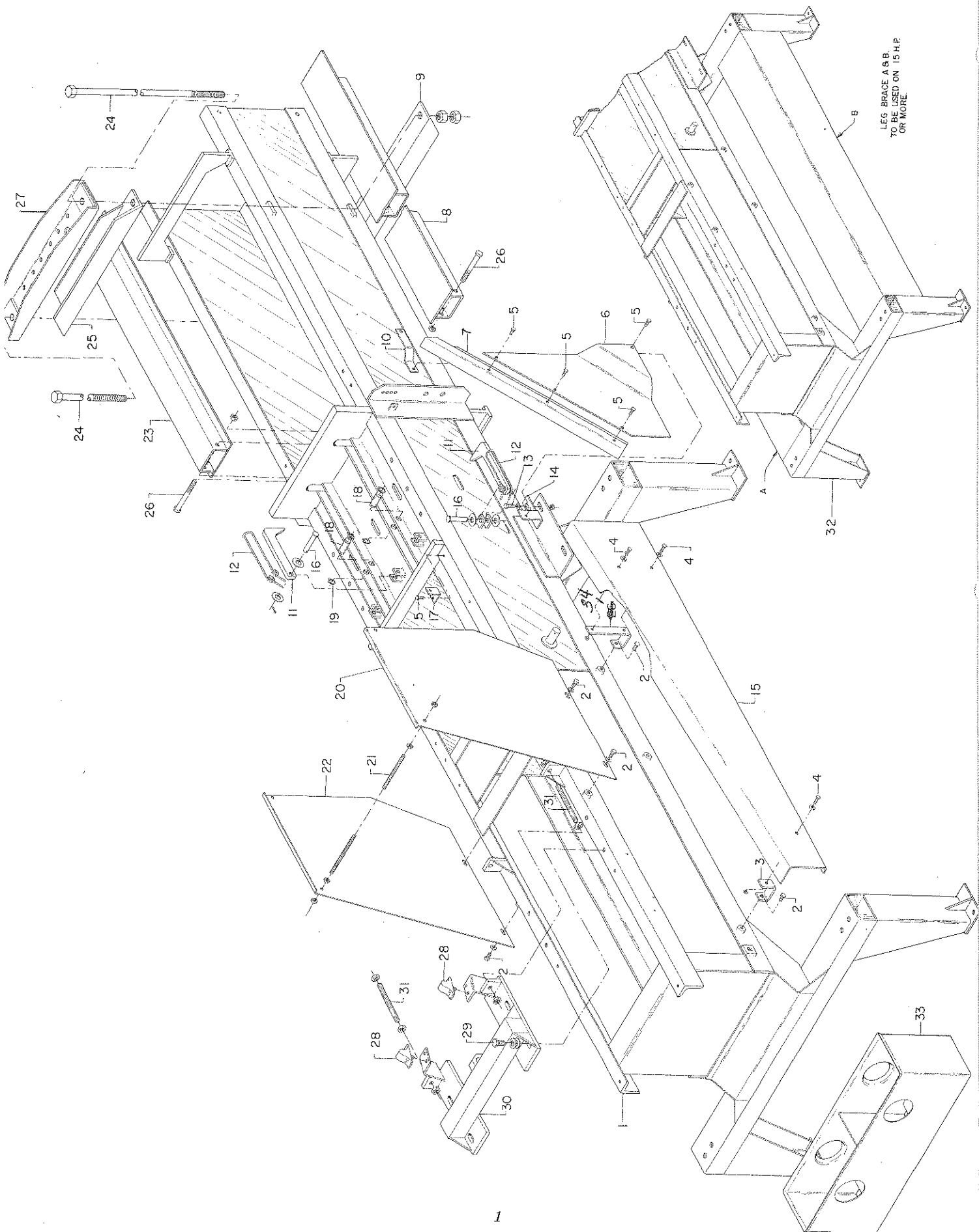


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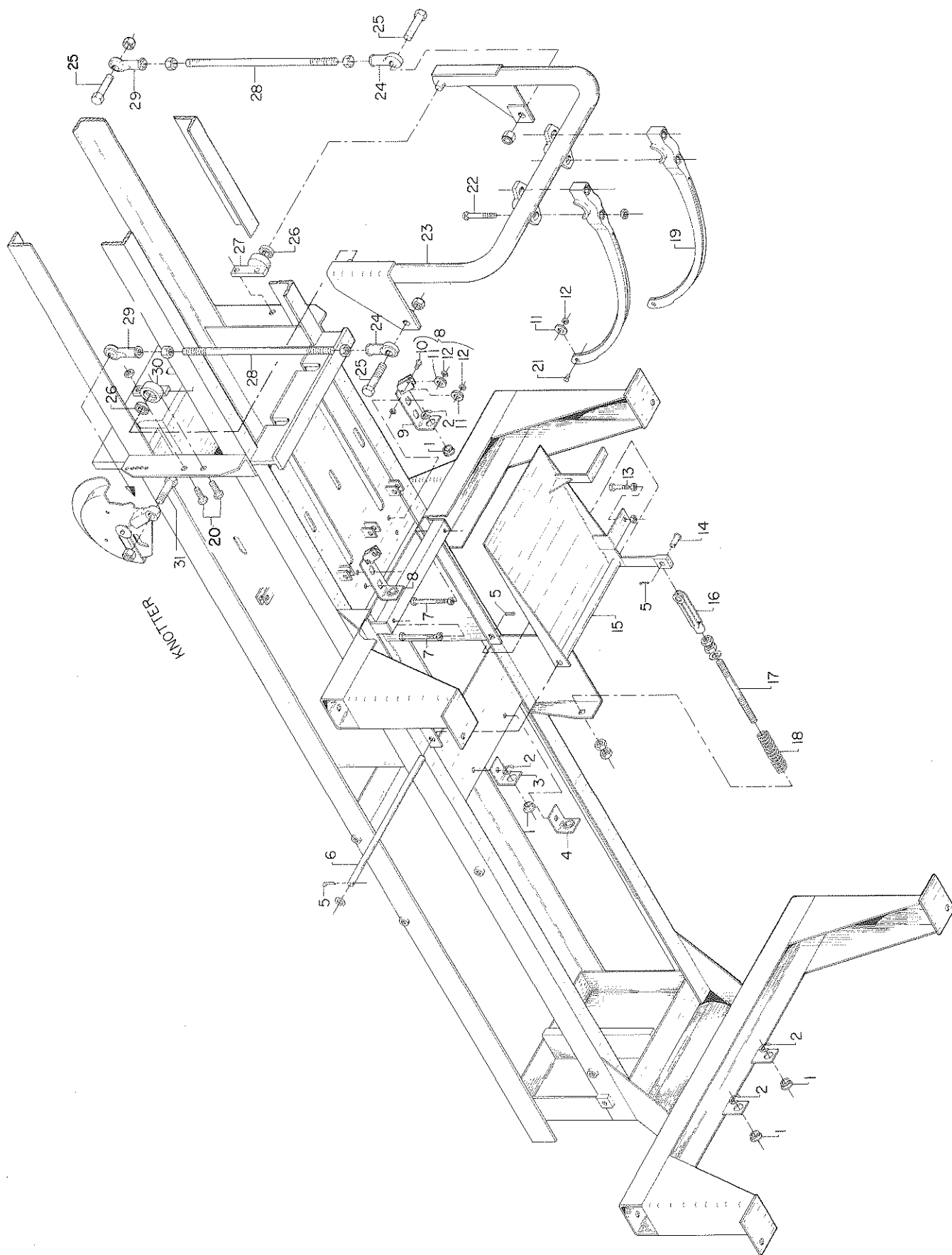
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LEG BRACE A & B
TO BE USED ON 15 H.P.
OR MORE

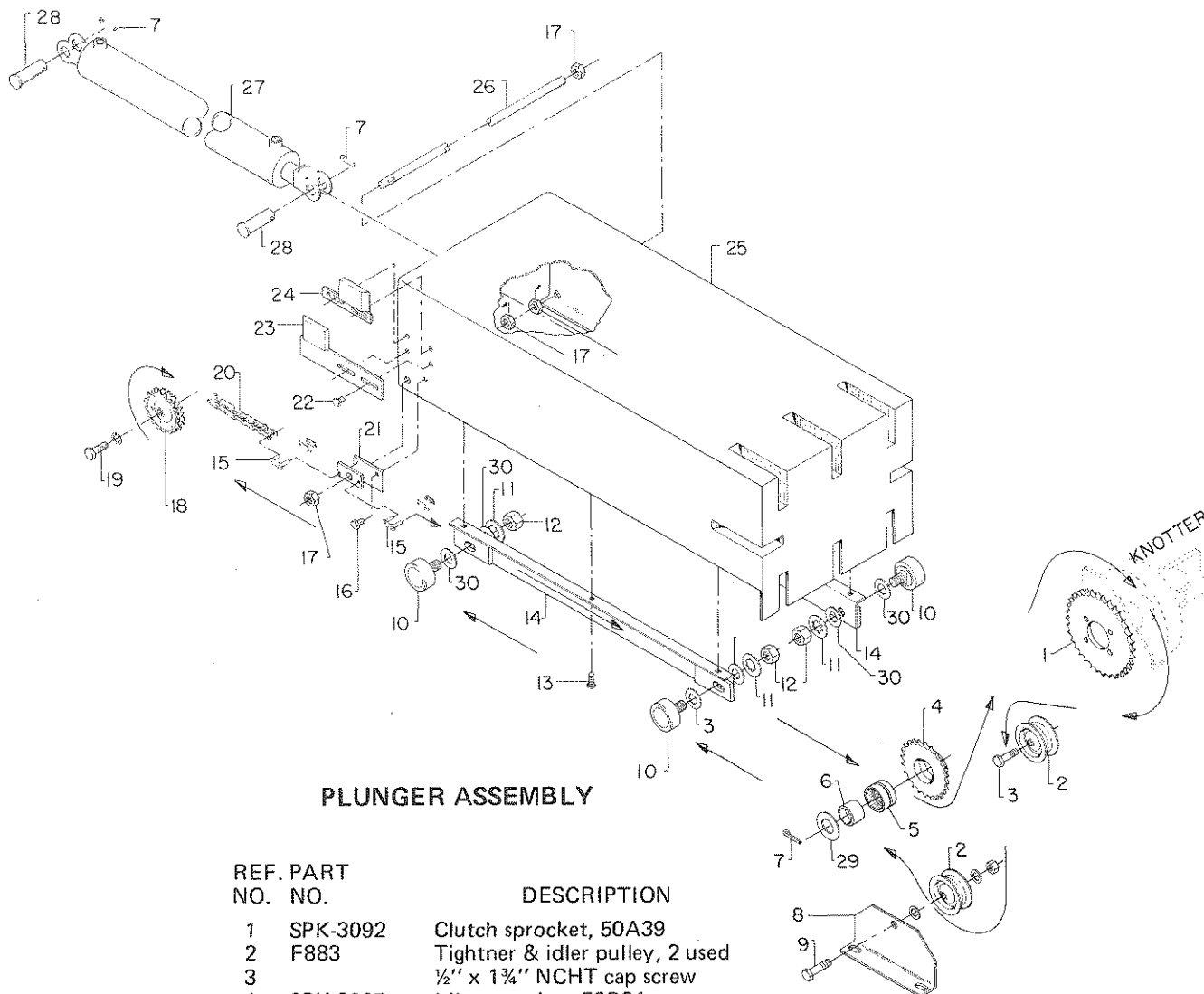
MAIN FRAME – TOP VIEW

REF. PART NO.	NO.	DESCRIPTION
1	CBF-5572	Main frame
2		3/8" x 3/4" NC cap screws, 6 used
3	BKT-1197	Chain shield bracket, front
4		1/4" x 1" NC cap screws, 3 used
5		5/16" x 3/4" NC cap screws, 5 used
6	SHD-4130	Chain shield
7	SHD-4129	Chain shield
8	TNS-6781	Bottom tension rail
9	TNS-66971	Bottom tension angle
10	BKT-4133	Shield bracket
11	DOG-951	Dog
12	F797	Dog spring
13		1/2" x 1 1/4" NC cap screw
14	BKT-4131	Shield bracket
15	SHD-1202	Chain shield
16	F220	Dog pin, 8 used
17	BKT-4132	Shield bracket
18	F4204	Upper wire guide pin, 2 used
19	F5159	Snap ring, 4 used
20	SHD-48620	Valve shield, LH
21	RDB-100	5/16" NC ready rod, 22" long, 4 used
22	SHD-48621	Valve shield, RH
23	TNS-6780	Top tension rail
24	TNS-3041	Tension bolt, 2 used
25	TNS-66970	Top tension angle
26		1/2" x 5" NC cap screw, 2 used
27	FT-199	Ram frame
28	F8264	Rubber bumper, 2 used
29		1/2" x 1" NCHT cap screw, 4 used
30	PKR-6713	Packer ram frame
31	PKR-6709	Packer ram tightner bolt, 2 used
32	CBF-55721	Main frame, 15 HP
33	BOX-6829	Wire box, 2 compartment
34	F3185	Chain shield Bracket, rear



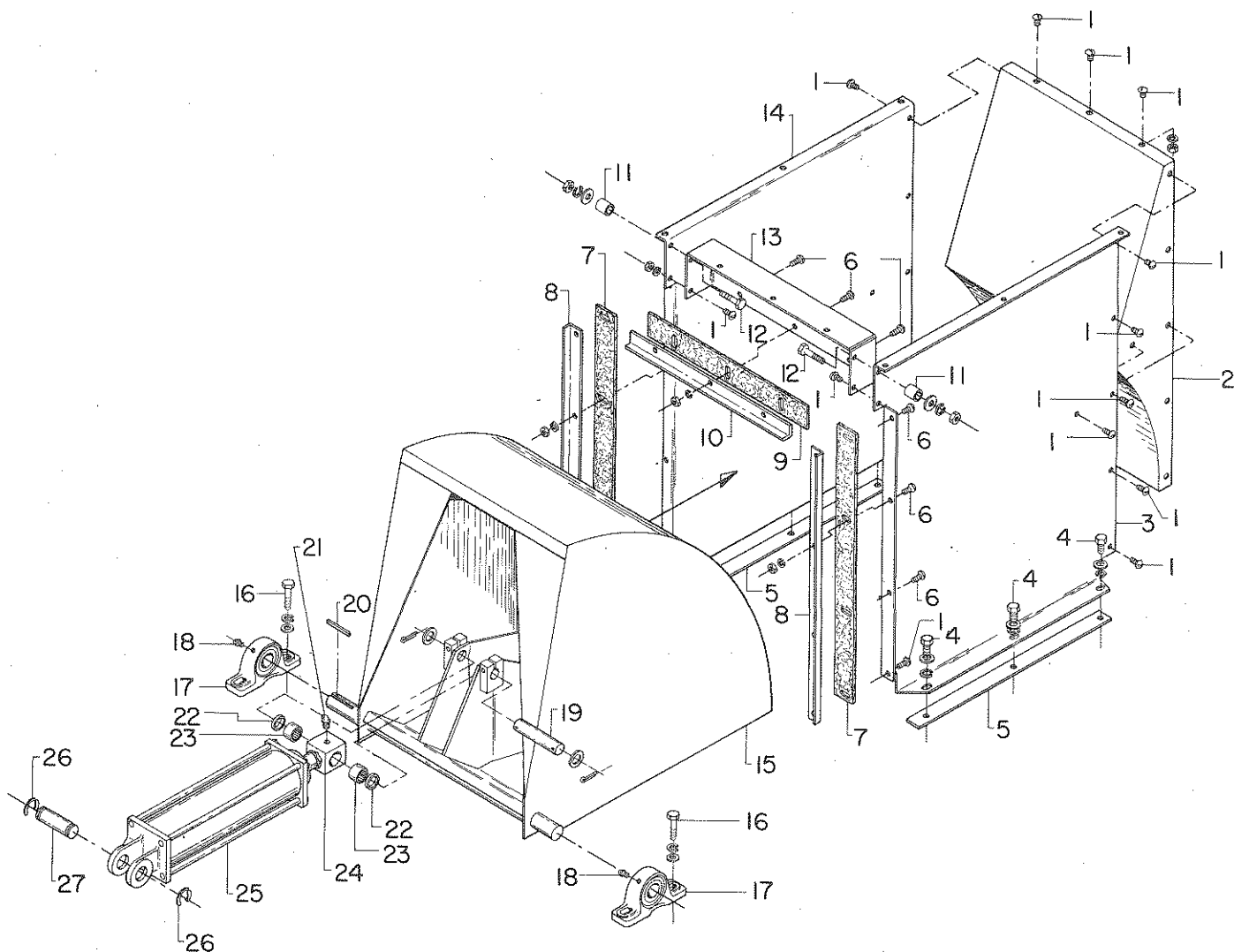
MAIN FRAME – BOTTOM VIEW

REF. PART NO.	NO.	DESCRIPTION
1	F856	Wire guide bushing
2	F857	Snap ring for F856 bushing
3	F4163	Wire guide frame
4	F4224	Wire guide complete
5		1/8" x 1" cotter pin
6	PIN-1079	Hinge pin, compression door
7		3/8" x 4" NC cap screw, 2 used
8	F4205	Wire guide, complete
9	F4222	Wire guide frame
10		1/4" x 1" NC cap screw
11	F4014	Roller
12	F4015	Bushing
13		1/2" x 3 1/2" NC cap screw
14	F7527	Pin
15	DOR-1220	Compression door
16	F7526	Clevis, RH thread, 5/8"
17	SHF-1104	Shaft, compression door, 5/8"
18	SPG-3170	Spring, compression door
19	F7744 F8177	Needle, wide base w/roller
20		1/2" x 1 1/4" NC cap screw w/nut
21	F4016	Bolt, needle roller
22	F7552	Bolt, 1/2" x 3 1/4" carriage
23	F8367	Needle yoke
24	F1549	Needle yoke drive rod end, RH thread
25	F1552	Bolt w/nut
26	F7523	Bearing
27	F7521	Needle yoke bearing complete, RH
28	F7554	Needle yoke drive rod
29	F1550	Needle yoke drive rod end, LH thread
30	F7522	Needle yoke bearing complete, LH
31	F1551	Bolt w/nut, drive rod to clutch



PLUNGER ASSEMBLY

REF. PART NO.	NO.	DESCRIPTION
1	SPK-3092	Clutch sprocket, 50A39
2	F883	Tightner & idler pulley, 2 used
3		$\frac{1}{2}$ " x $1\frac{1}{4}$ " NCHT cap screw
4	SPK-3097	Idler sprocket, 50B24
5	F4077	Bearing, GR22SS
6	F4078	Inner race, MI-18
7		Cotter pin, $\frac{3}{16}$ " x 2", 3 used
8	BKT-1291	Chain idler bracket
9		$\frac{1}{2}$ " x $2\frac{1}{2}$ " NCHT cap screw
10	F1636	Roller for plunger, $\frac{3}{4}$ " shank, 6901, 4 used
11		$\frac{3}{4}$ " internal star lock, 4 used
12		$\frac{3}{4}$ " NF nut, 4 used
13		$\frac{5}{16}$ " x 1" NC carriage bolt, 6 used
14	PLG-944	Plunger rail, side, 2 used
15	F25	Conn link for RC 50 chain, 2 used
16		$\frac{3}{8}$ " x 1" NCHT cap screw
17		$\frac{5}{16}$ " Jam nut, 4 used
18	SPK-3095	Idler sprocket, 50AG2416
19		$\frac{1}{2}$ " x $1\frac{1}{2}$ " NCHT cap screw
20	CHN-3096	Knotter drive chain
21	PLG-1084	Drive chain anchor
22		$\frac{5}{16}$ " x $\frac{3}{4}$ " NCHT cap screw
23	PLG-4486	Limit switch cam, plunger return
24	PLG-4482	Limit switch cam, plunger compression
25	PLG-963	Plunger
26	PLG-6838	Plunger rod
27	CYL-3036	Cylinder, WC3036 Duke
	CYL-3015	Seal repair kit
28	PIN-103	Pin
29	ZZ-201	10 GA x $\frac{3}{4}$ ID machinery bushing, as needed
30		$\frac{3}{4}$ " cut washer, 8 used



PACKER & PACKER CHUTE

REF. PART
NO. NO.

DESCRIPTION

1		1/4" x 1/2" truss head stove bolt, 20 used
2	PKR-1305	Packer chute back
3	PKR-10301	Packer chute, LH side
4		5/16" x 1/2" NC cap screw, 6 used
5	PKR-6824	Shim, 2 used
6		1/4" x 3/4" truss head stove bolt, 9 used
7	PKR-1300	Packer chute side seal, 2 used
8	PKR-1405	Packer chute side seal plate, 2 used
9	PKR-1024	Packer chute top seal
10	PKR-4872	Packer chute top seal plate
11	F117	Pipe spacer, 2 used
12		1/4" x 1 1/4" NC cap screw, 2 used
13	PKR-1023	Packer chute front
14	PKR-10300	Packer chute, RH side

REF. PART
NO. NO.

DESCRIPTION

15	PKR-1034	Packer
16		3/8" x 2" NCHT cap screw, 4 used
17	BRG-3064	Bearing for packer, 1" pillow block, 2 used
	BRG-3066	Bearing insert for P3064
18	ZZ-100	Grease fitting, 1/8", 2 used
19	PKR-1371	Pin
20	ZZ-411	1/4" x 1/4" x 2" key
21	ZZ-102	Grease fitting, 1/4"
22	F7587	Seal, Victor, 2 used
23	F481	Bearing, 2 used
24	PKR-6859	Cylinder rod end
25	CYL-3010	Cylinder, RBG-3010 Victor
26	KPR-100	Keeper
27	PIN-103	Pin

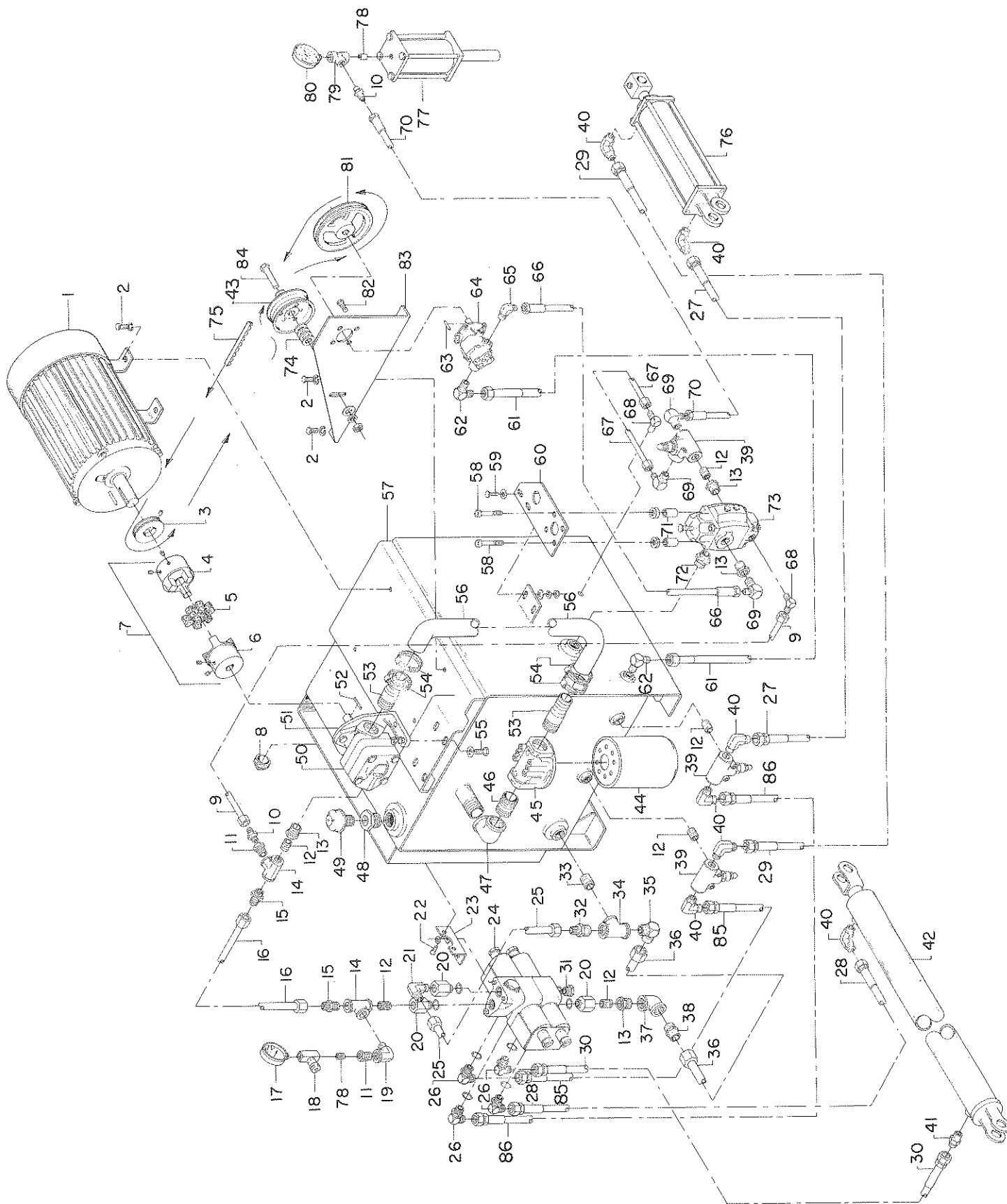
HYDRAULIC SYSTEM

with

Integral System Relief and Integral Packer Cylinder Relief

REF. PART NO. NO.	DESCRIPTION
1 ELC-10012	Motor, 10 HP, 1800 rpm, 3 phase
2	3/8" x 1/4" NC cap screw, 6 used
3 PUL-32	Pulley unit, AS-32 1/2
4 CPL-10001	Half coupling, G1000 x 1-3/8"
5 CPL-10002	Coupling insert
6 CPL-10003	Half coupling, G1000 x 3/4"
7 CPL-10000	Coupling complete, G1000
8 PPE-21250	1 1/4" pipe plug
9 TBE-6861	3/8" hydraulic tube
10 HYD-5205030	3/8" x 1/4" str. male connector, C5205 x 6 WH, 2 used
11 01-712	1/2" x 1/4" steel bushing, 3109 x 8 x 4 WH, 2 used
12 01-720	1/2" close. extra heavy black nipple, 6 used
13 01-714	3/4" x 1/2" steel bushing, C3109 x 12 x 8 WH, 4 used
14 01-702	1/2" steel tee, C3709 x 8 WH, 2 used
15 01-442	5/8" x 1/2" straight male connector, C5205 x 10 WH, 2 used
16 TBE-6866	5/8" Hydraulic tube
17 GAG-2112	Hydraulic guage, 3000 lb., 21Gx12 UI
18 VLV-400	Needle valve, N400S PH
19 01-729	1/2" 90° street elbow, C3409 x 8 WH
20 HYD-3269044	1/2" "O" ring adapter fitting, 3 used
21 01-443	5/8" x 1/2" 90° male elbow, C5405 x 10 WH
22	5/16" x 3/4" NC cap screw
23 16-138	Mounting bracket for solenoid, 2 used
24 VLV-13400	Solenoid valve, 4013-F400-13S-R2500- 115VAC
ELC-15004	Solenoid only, 6009840
25 TBE-6869	5/8" hydraulic tube, 17"
26 01-446	1/2" "O" ring 90° elbow, C5515 x 8 WH, 4 used
27 HOS-6895	1/2" hydraulic hose, 63"
28 HOS-6871	1/2" hydraulic hose, 81"
29 HOS-6874	1/2" hydraulic hose, 74"
30 HOS-6873	1/2" hydraulic hose, 46"
31 01-449	1/2" "O" ring plug 7230 x 8 WH
32 HYD-5205056	5/8" x 3/4" male connector, C5205 x 10 x 12 WH
33	3/4" close standard black nipple
34 PPE-40750	3/4" standard black tee
35 HYD-5405060	3/4" 90° male elbow, C5405 x 12 WH
36 TBE-6875	5/8" hydraulic tube, 14"
37 PPE-75900	3/4" 90° standard black elbow
38 HYD-5205060	3/4" male connector, C5205 x 12 WH
39 01-506	Relief valve, RD11A Cross, 3 used
40 01-447	1/2" 90° male elbow, C5405 x 8 x 8 WH, 7 used
41 01-448	1/2" male connector straight, C5205 x 8 x 8 WH
42 CYL-3036	Hydraulic cylinder, Duke WC3036
43 PUL-810601	Idler pulley, V008601 Fafnir
44 01-636	Filter element, K2319-25 Gresen

REF. PART NO. NO.	DESCRIPTION
45 01-635	Filter complete with element, FS252- 100B Gresen
46 PPE-1250	1 1/4" close standard black nipple
47 PPE-125900	1 1/4" 90° standard black elbow
48 PPE-1250750	1 1/4" x 3/4" black reducer bushing
49 FT530	Air filter assembly
50 PMP-2027	Hydraulic pump, 7 gal., V20-2P-7P- 1A-11 Vickers
PMP-10265	Hydraulic pump, 5 gal., V10-26P-5- P-1A-10R Vickers
51 PMP-10266	Hydraulic pump foot
52	Key, 3/16" x 3/16" x 1-5/8"
53 01-612	Hose nipple, Gates, 2 used with PMT- 2027 pump
PPE-1251000	1 1/4" x 1" black reducer bushing
54 06-121	Hose clamp, 4-1203 BK, 4 used with PMT-2027 pump
55	3/8" x 1 1/4" NC cap screw, 4 used
56 HOS-6881	1 1/4" hydraulic hose, 30", (w/PMT- 2027 pump)
TBE-6898	1" hydraulic tube, not shown, (w/PMT- 10265 pump)
57 TNK-5791	Tank
58	3/8" x 2 3/4" NC socket head cap screw, 4 used
59	5/16" x 1 1/4" NC cap screw
60 BKT-5764	Tension control valve bracket
61 HOS-6891	3/8" hydraulic hose, 26"
62 HYD-5405040	1/2" x 3/8" 90° male elbow, C5405 x 8 WH
63 ZZ403	Key, 1/8" x 1/8" x 1"
64 FT547	Hydraulic pump
65 F6635	3/8" x 3/8" 90° male elbow, C5405 x 6 x 6 WH
66 HOS-6893	1/4" hydraulic hose, 23"
67 TBE-6894	3/8" hydraulic tube, 14"
68 F6638	3/8" 90° male elbow, C5405 x 6 WH, 2 used
69 F6673	3/8" x 1/2" 90° male elbow, C5405 x 6 x 8 WH
70 HOS-6892	1/4" hydraulic hose, 144"
71 F8175	Spacer, 2 used
72 HYD-3069060	3/4" hex nipple, C3069 x 12 WH
73 VLV-6423	Sequence valve, RT-06-F4-23 Vickers
74	1/2" cut washer
75 BLT-38	Belt, AX38 Dayton
76 CYL-3010	Hydraulic cylinder, RBG-3010 Victor
77 FT232	Tension control cylinder complete
78 FT73	Nipple, 1/4" x 1 1/2", 2 used
79 FT74	Tee, 1/4"
80 F800	Hydraulic pressure gauge, 2000 lb.
81 PUL-615	Sheave, tension control pump drive, AK 61-1/2
82	3/8" x 1" NC cap screw
83 BKT-5306	Tension control pump bracket
84	1/2" x 2 1/2" NCHT cap screw

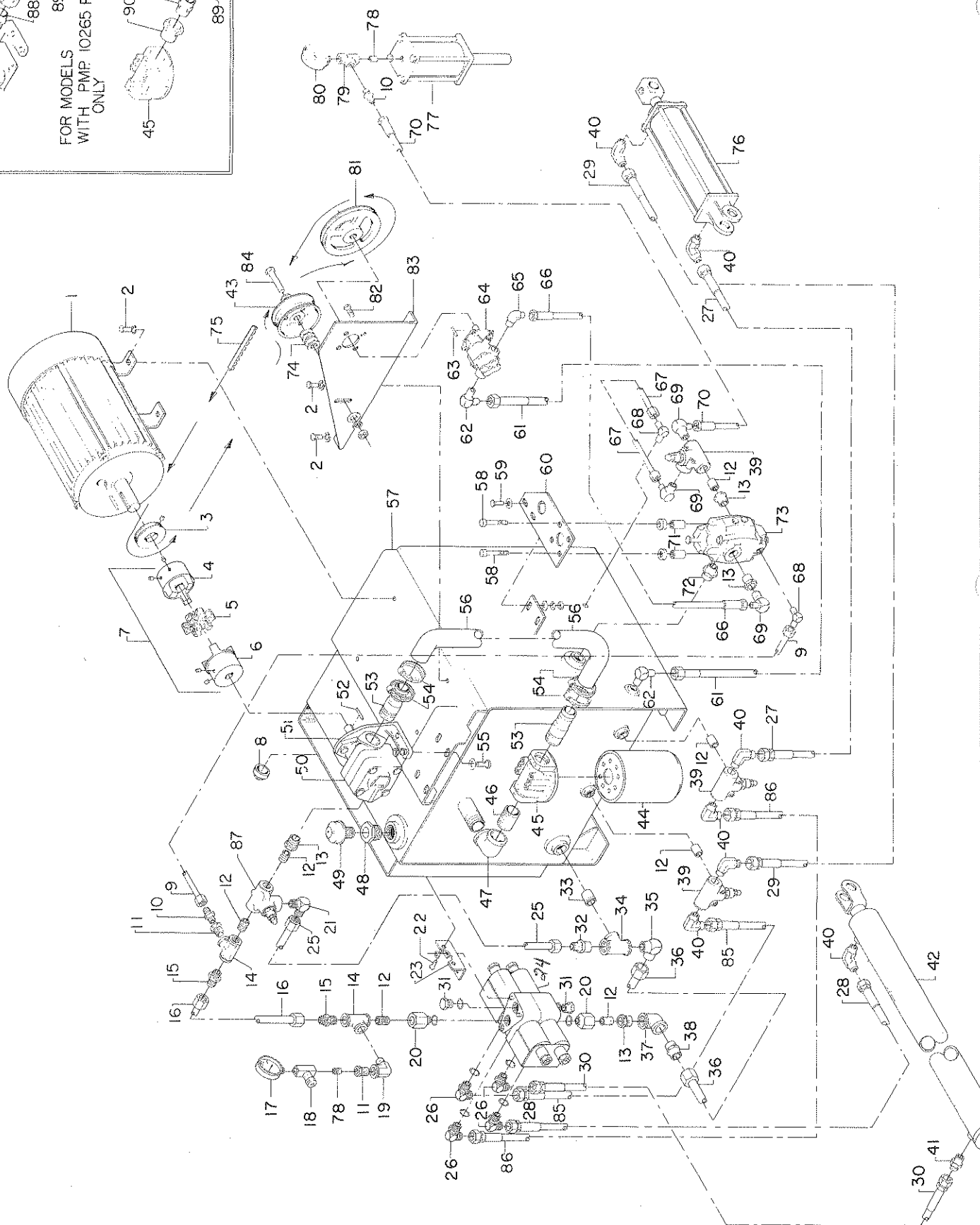
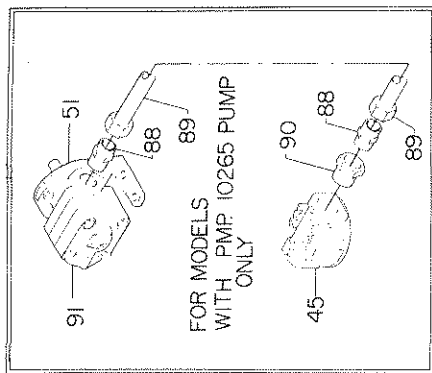


HYDRAULIC SYSTEM

with

Integral System Relief and
External Packer Cylinder Relief

REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
1 ELC-10012	Motor, 10 HP, 1800 rpm, 3 phase	45 01-635	Filter complete with element, F5252-100B Gresen
2	3/8" x 1/4" NC cap screw, 6 used	46 PPE-1250	1 1/4" close standard black nipple
3 PUL-32	Pulley unit, AS-32 1/2	47 PPE-125900	1 1/4" 90° standard black elbow
4 CPL-10001	Half coupling, G1000 x 1-3/8"	48 PPE-1250750	1 1/4" x 3/4" black reducer bushing
5 CPL-10002	Coupling insert	49 FT530	Air filter assembly
6 CPL-10003	Half coupling, G1000 x 3/4"	50 PMP-2027	Hydraulic pump, 7 gal., V20-2P-7P-1A-11 Vickers
7 CPL-10000	Coupling complete, G1000		PMP-10265 Hydraulic pump, 5 gal., V10-26P-5-P-1A-10R Vickers
8 PPE-21250	1 1/4" pipe plug	51 PMP-10266	Hydraulic pump foot
9 TBE-6861	3/8" hydraulic tube	52	Key, 3/16" x 3/16" x 1-5/8"
10 HYD-5205030	3/8" x 1/4" str. male connector, C5205 x 6 WH, 2 used	53 01-612	Hose nipple, Gates, 2 used with PMT-2027 pump
11 01-712	1/2" x 1/4" steel bushing, 3109 x 8 x 4 WH, 2 used		PPE-1251000 1 1/4" x 1" black reducer bushing
12 01-720	1/2" close. extra heavy black nipple, 6 used	54 06-121	Hose clamp, 4-1203 BK, 4 used with PMT-2027 pump
13 01-714	3/4" x 1/2" steel bushing, C3109 x 12 x 8 WH, 4 used	55	3/8" x 1 1/4" NC cap screw, 4 used
14 01-702	1/2" steel tee, C3709 x 8 WH, 2 used	56 HOS-6881	1 1/4" hydraulic hose, 30", (w/PMT-2027 pump)
15 01-442	5/8" x 1/2" straight male connector, C5205 x 10 WH, 2 used		TBE-6898 1" hydraulic tube, not shown, (w/PMT-10265 pump)
16 TBE-6866	5/8" Hydraulic tube	57 TNK-5791	Tank
17 GAG-2112	Hydraulic guage, 3000 lb., 21Gx12 UI	58	3/8" x 2 3/4" NC socket head cap screw, 4 used
18 VLV-400	Needle valve, N400S PH	59	5/16" x 1 1/4" NC cap screw
19 01-729	1/2" 90° street elbow, C3409 x 8 WH	60 BKT-5764	Tension control valve bracket
20 HYD-3269044	1/2" "O" ring adapter fitting, 3 used	61 HOS-6891	3/8" hydraulic hose, 26"
21 01-443	5/8" x 1/2" 90° male elbow, C5405 x 10 WH	62 HYD-5405040	1/2" x 3/8" 90° male elbow, C5405 x 8 WH
22	5/16" x 3/4" NC cap screw	63 ZZ403	Key, 1/8" x 1/8" x 1"
23 16-138	Mounting bracket for solenoid, 2 used	64 FT547	Hydraulic pump
24 VLV-132500	Solenoid valve, 4013-13S-R2500-115VAC	65 F6635	3/8" x 3/8" 90° male elbow, C5405 x 6 x 6 WH
	ELC-15004 Solenoid only, 6009840	66 HOS-6893	1/4" hydraulic hose, 23"
25 TBE-6869	5/8" hydraulic tube, 17"	67 TBE-6894	3/8" hydraulic tube, 14"
26 01-446	1/2" "O" ring 90° elbow, C5515 x 8 WH, 4 used	68 F6638	3/8" 90° male elbow, C5405 x 6 WH, 2 used
27 HOS-6895	1/2" hydraulic hose, 63"	69 F6673	3/8" x 1/2" 90° male elbow, C5405 x 6 x 8 WH
28 HOS-6871	1/2" hydraulic hose, 81"	70 HOS-6892	1/4" hydraulic hose, 144"
29 HOS-6874	1/2" hydraulic hose, 74"	71 F8175	Spacer, 2 used
30 HOS-6873	1/2" hydraulic hose, 46"	72 HYD-3069060	3/4" hex nipple, C3069 x 12 WH
31 01-449	1/2" "O" ring plug 7230 x 8 WH	73 VLV-6423	Sequence valve, RT-06-F4-23 Vickers
32 HYD-5205056	5/8" x 3/4" male connector, C5205 x 10 x 12 WH	74	1/2" cut washer
33	3/4" close standard black nipple	75 BLT-38	Belt, AX38 Dayton
34 PPE-40750	3/4" standard black tee	76 CYL-3010	Hydraulic cylinder, RBG-3010 Victor
35 HYD-5405060	3/4" 90° male elbow, C5405 x 12 WH	77 FT232	Tension control cylinder complete
36 TBE-6875	5/8" hydraulic tube, 14"	78 FT73	Nipple, 1/4" x 1 1/2", 2 used
37 PPE-75900	3/4" 90° standard black elbow	79 FT74	Tee, 1/4"
38 HYD-5205060	3/4" male connector, C5205 x 12 WH	80 F800	Hydraulic pressure gauge, 2000 lb.
39 01-506	Relief valve, RD11A Cross, 3 used	81 PUL-615	Sheave, tension control pump drive, AK 61-1/2
40 01-447	1/2" 90° male elbow, C5405 x 8 x 8 WH, 7 used	82	3/8" x 1" NC cap screw
41 01-448	1/2" male connector straight, C5205 x 8 x 8 WH	83 BKT-5306	Tension control pump bracket
42 CYL-3036	Hydraulic cylinder, Duke WC3036	84	1/2" x 2 1/2" NCHT cap screw
43 PUL-810601	Idler pulley, V008601 Fafnir	85 HOS-6872	1/2" hydraulic hose, 18"
44 01-636	Filter element, K2319-25 Gresen	86 HOS-6870	1/2" hydraulic hose, 30"

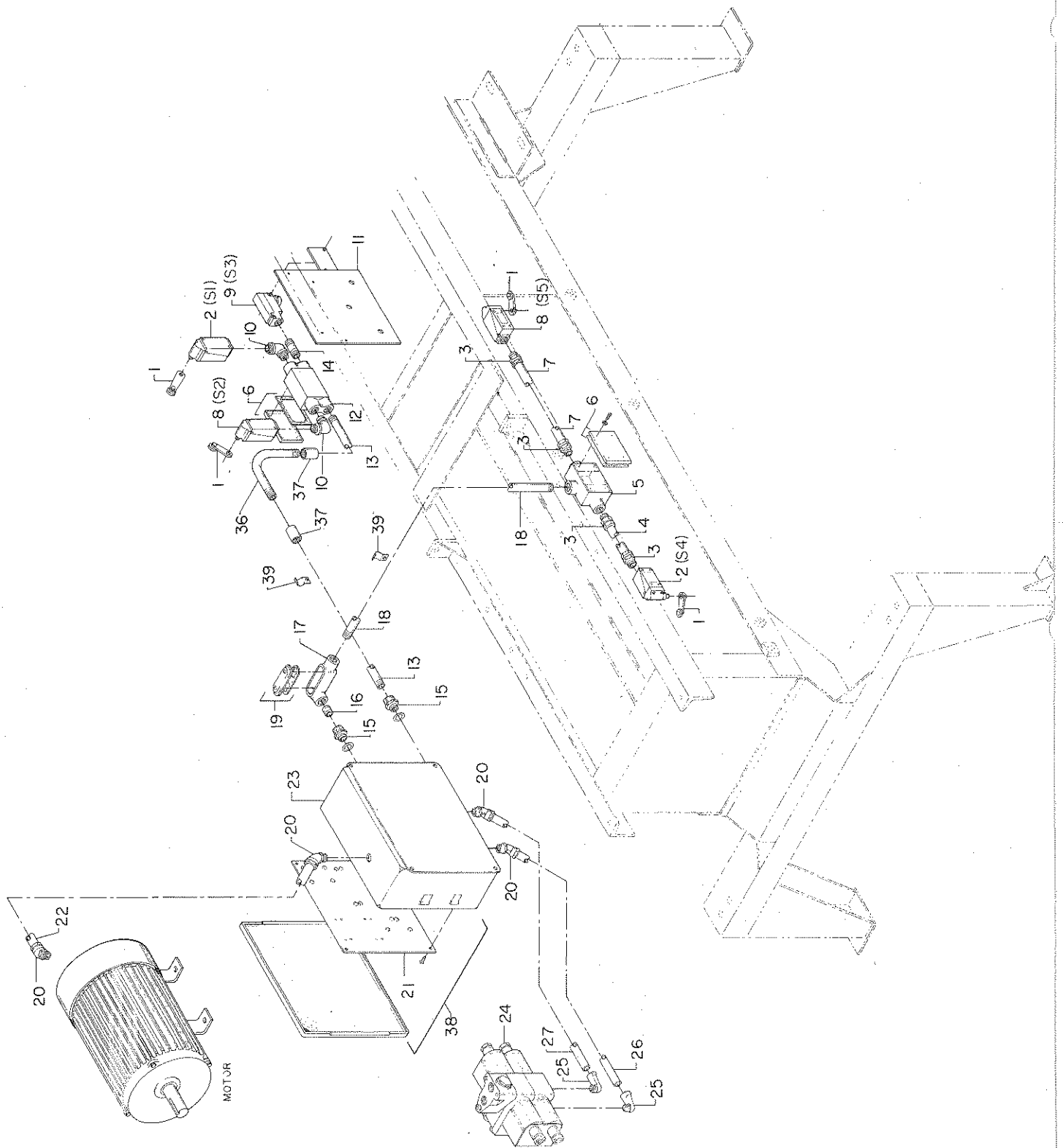


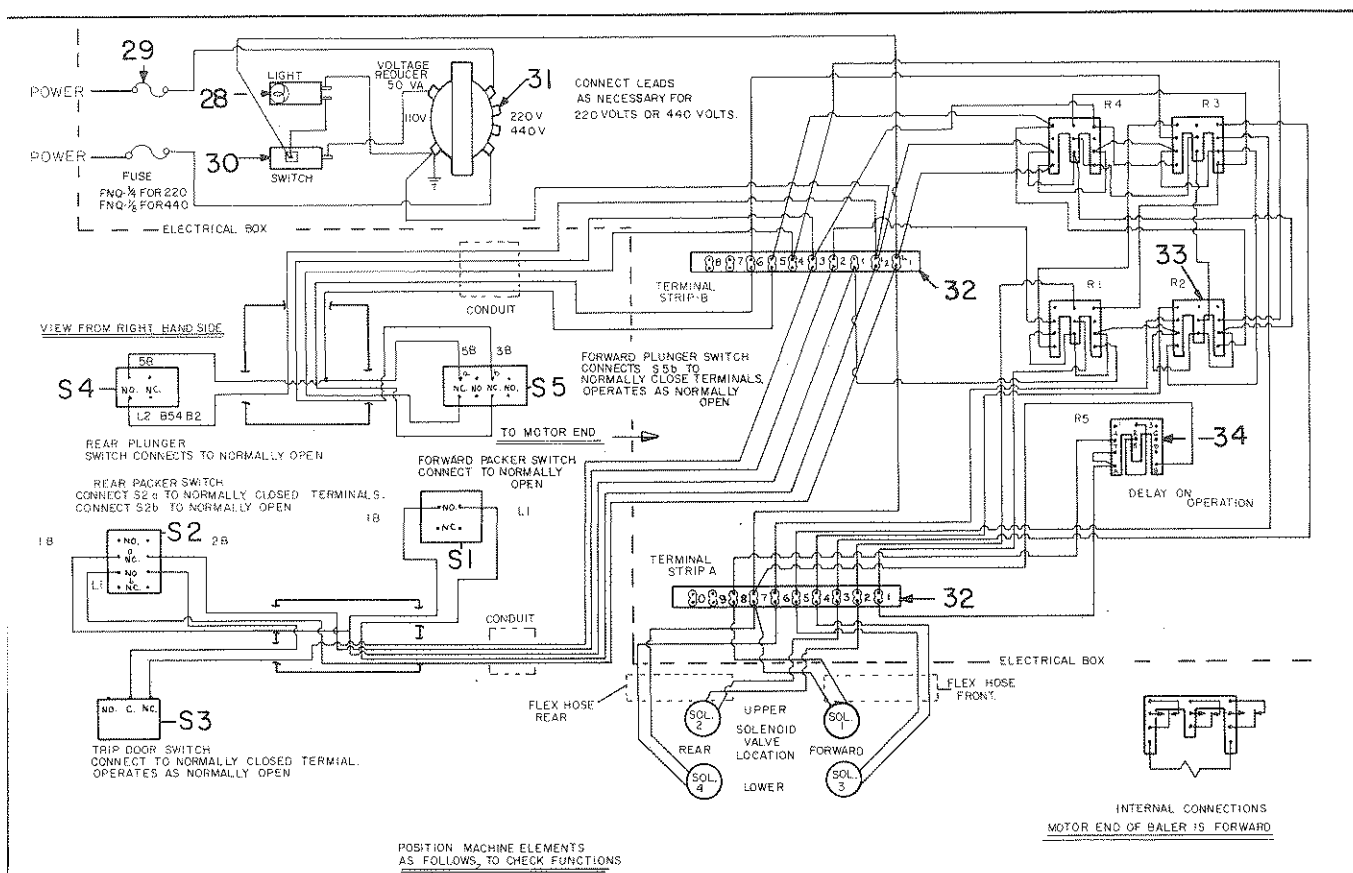
HYDRAULIC SYSTEM

with

External System Relief and External Packer Cylinder Relief

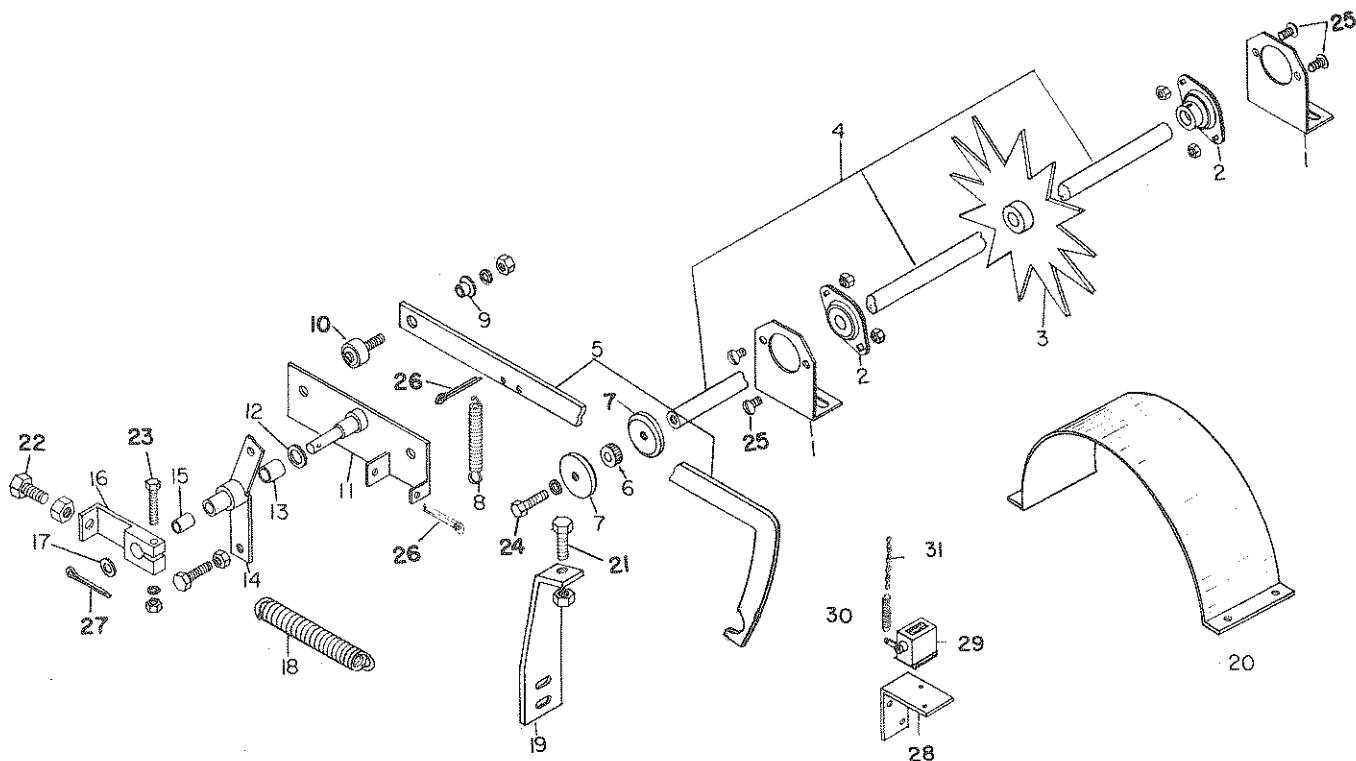
REF. PART Q. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
ELC-10012	Motor, 10 HP, 1800 rpm, 3 phase 3/8" x 1/4" NC cap screw, 6 used	45 01-635	Filter complete with element, F5252-100B Gresen
PUL-32	Pulley unit, AS-32 1/2	46 PPE-1250	1 1/4" close standard black nipple
CPL-10001	Half coupling, G1000 x 1-3/8"	47 PPE-125900	1 1/4" 90° standard black elbow
CPL-10002	Coupling insert	48 PPE-1250750	1 1/4" x 3/4" black reducer bushing
CPL-10003	Half coupling, G1000 x 3/4"	49 FT530	Air filter assembly
CPL-10000	Coupling complete, G1000	50 PMP-2027	Hydraulic pump, 7 gal., V20-2P-7P-1A-11 Vickers
PPE-21250	1 1/4" pipe plug		
TBE-6861	3/8" hydraulic tube	51 PMP-10266	Hydraulic pump foot
HYD-5205030	3/8" x 1/4" str. male connector, C5205 x 6 WH, 2 used	52	Key, 3/16" x 3/16" x 1-5/8"
01-712	1/2" x 1/4" steel bushing, 3109 x 8 x 4 WH, 2 used	53 01-612	Hose nipple, Gates, 2 used
01-720	1/2" close. extra heavy black nipple, 6 used	54 06-121	Hose clamp, 4-1203 BK, 4 used with 3/8" x 1 1/4" NC cap screw, 4 used
01-714	3/4" x 1/2" steel bushing, C3109 x 12 x 8 WH, 4 used	55	
01-702	1/2" steel tee, C3709 x 8 WH, 2 used	56 HOS-6881	1 1/4" hydraulic hose, 30"
01-442	5/8" x 1/2" straight male connector, C5205 x 10 WH, 2 used	57 TNK-5791	Tank
		58	3/8" x 2 3/4" NC socket head cap screw, 4 used
TBE-6946	5/8" Hydraulic tube	59	5/16" x 1 1/4" NC cap screw
GAG-2112	Hydraulic guage, 3000 lb., 21Gx12 UI	60 BKT-5764	Tension control valve bracket
VLV-400	Needle valve, N400S PH	61 HOS-6891	3/8" hydraulic hose, 26"
01-729	1/2" 90° street elbow, C3409 x 8 WH	62 HYD-5405040	1/2" x 3/8" 90° male elbow, C5405 x 8 WH
HYD-3269044	1/2" "O" ring adapter fitting, 3 used	63 ZZ403	Key, 1/8" x 1/8" x 1"
01-443	5/8" x 1/2" 90° male elbow, C5405 x 10 WH	64 FT547	Hydraulic pump
		65 F6635	3/8" x 3/8" 90° male elbow, C5405 x 6 x 6 WH
	5/16" x 3/4" NC cap screw	66 HOS-6893	1/4" hydraulic hose, 23"
16-138	Mounting bracket for solenoid, 2 used	67 TBE-6894	3/8" hydraulic tube, 14"
VLV-13115	Solenoid valve, 4013-13S- 115VAC	68 F6638	3/8" 90° male elbow, C5405 x 6 WH, 2 used
ELC-15004	Solenoid only, 6009840	69 F6673	3/8" x 1/2" 90° male elbow, C5405 x 6 x 8 WH
TBE-6947	5/8" hydraulic tube	70 HOS-6892	1/4" hydraulic hose, 144"
01-446	1/2" "O" ring 90° elbow, C5515 x 8 WH, 4 used	71 F8175	Spacer, 2 used
HOS-6895	1/2" hydraulic hose, 63"	72 HYD-3069060	3/4" hex nipple, C3069 x 12 WH
HOS-6871	1/2" hydraulic hose, 81"	73 VLV-6423	Sequence valve, RT-06-F4-23 Vickers 1/2" cut washer
HOS-6874	1/2" hydraulic hose, 74"	74	
HOS-6873	1/2" hydraulic hose, 46"	75 BLT-38	Belt, AX38 Dayton
01-449	1/2" "O" ring plug 7230 x 8 WH	76 CYL-3010	Hydraulic cylinder, RBG-3010 Victor
HYD-5205056	5/8" x 3/4" male connector, C5205 x 10 x 12 WH	77 FT232	Tension control cylinder complete
	3/4" close standard black nipple	78 FT73	Nipple, 1/4" x 1 1/2", 2 used
PPE-40750	3/4" standard black tee	79 FT74	Tee, 1/4"
HYD-5405060	3/4" 90° male elbow, C5405 x 12 WH	80 F800	Hydraulic pressure gauge, 2000 lb.
TBE-6875	5/8" hydraulic tube, 14"	81 PUL-615	Sheave, tension control pump drive, AK 61-1/2
PPE-75900	3/4" 90° standard black elbow		
HYD-5205060	3/4" male connector, C5205 x 12 WH	82	3/8" x 1" NC cap screw
01-506	Relief valve, RD11A Cross, 3 used	83 BKT-5306	Tension control pump bracket
01-447	1/2" 90° male elbow, C5405 x 8 x 8 WH, 7 used	84	1/2" x 2 1/2" NCHT cap screw
01-448	1/2" male connector straight, C5205 x 8 x 8 WH	85 HOS-6872	1/2" hydraulic hose, 18" <i>S/B 30"</i>
CYL-3036	Hydraulic cylinder, Duke WC3036	86 HOS-6870	1/2" hydraulic hose, 36" <i>S/B 42"</i>
PUL-810601	Idler pulley, V008601 Fafnir	87 01-513	Relief valve, RD11E Cross
01-636	Filter element, K2319-25 Gresen	88 HYD-7205070	1" male connector, 7205 x 16 WH
		89 TBE-6898	1" hydraulic tube
		90 PPE-1251000	1 1/4" x 1" black reducer bushing
		91 PMP-10265	Hydraulic pump, 5 gal., V10-26P-5- P-1A-10R Vickers





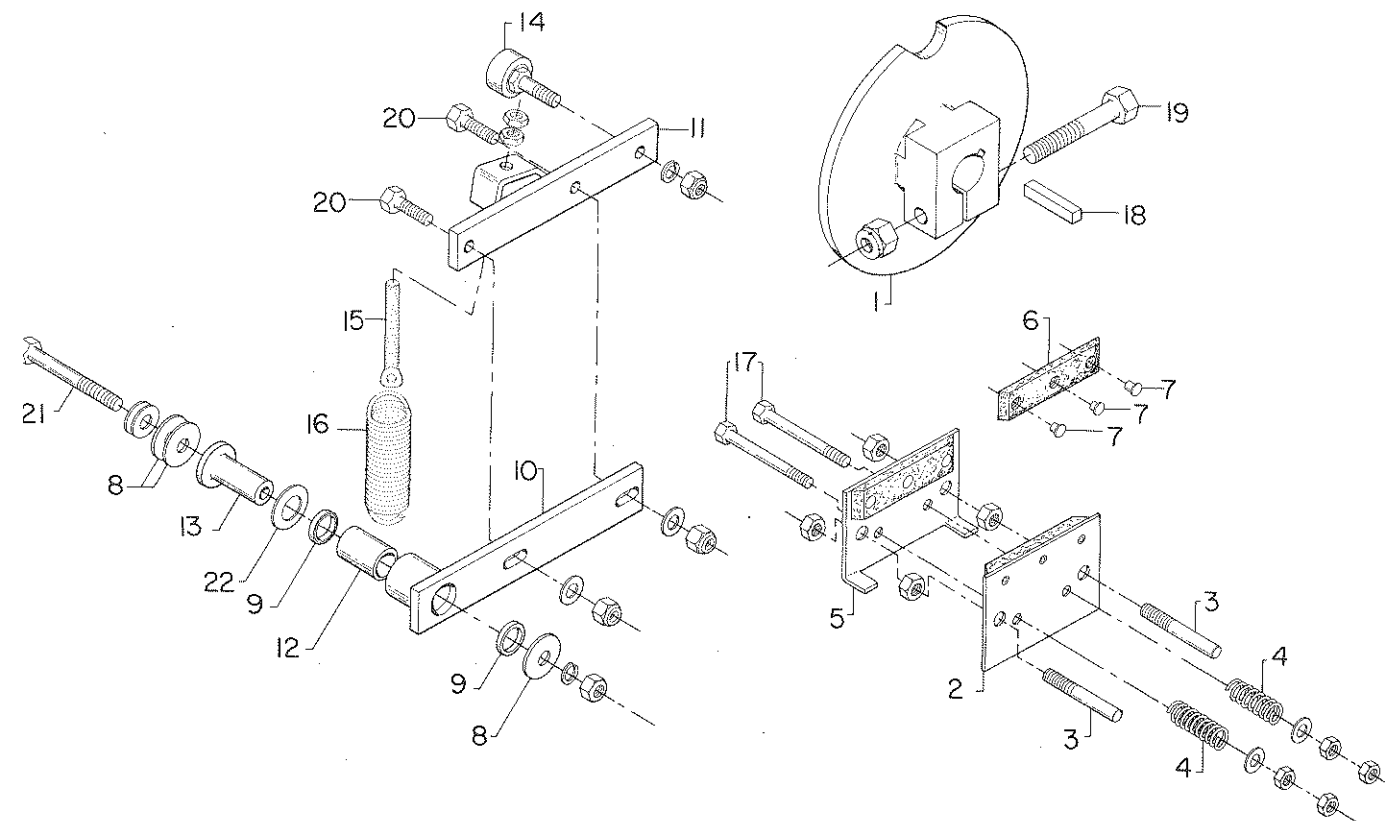
ELECTRIC CONTROLS

REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
1 ELC-5001	Lever arm, 9007-MA11 SQ-D, 4 used	23 ELC-1412	Electric box, A1412 Hoffman
2 ELC-5008	Limit switch, B62B2 SQ-D, 2 used	24 VLV-13400	Solenoid valve, 4013-F400-13S-R2500-115VAC
3 CNR-101	1/2" EMT water tight connector, 650-S Midwest	VLV-132500	Solenoid valve, 4013-13S-R2500-115VAC
4 ELC-20006	1/2" thin wall conduit, 4"	VLV-13115	Solenoid valve, 4013-13S-115VAC
5 ELC-20500	Outlet Box, FSCT-1 Crouse Hinds	ELC-15004	Solenoid only, 6009840
6 ELC-20501	Cover, DS100G Crouse Hinds	25 CNR-104	1/2" x 90° insulated flex conduit connector, 3132 T&B
7 ELC-20007	1/2" thin wall conduit, 24"	26 ELC-20011	1/2" flex conduit, 16"
8 ELC-5000	Limit switch, B54B2 SQ-D, 2 used	27 ELC-20012	1/2" flex conduit, 10"
9 ELC-5010	Limit switch, BZE6-2RN Micro	28 SOK-930405	Lamp holder, 930-405E Little Lite
10 ELC-20195	90° male elbow, EL195 Crouse Hinds, 2 used	LEN-15404	Lens, 15404 Little-Lite
11 PLT-4483	Switch mounting plate	LIT-51	Lamp bulb, NE51-B1A CM
12 ELC-20502	Outlet box, FSCD1 Crouse Hinds	29 ELC-15	Fuse, FNO-1/4 Buss
13 ELC-20008	1/2" ridged conduit, 40"	30 ELC-5011	Switch, 2X821 Grainger
14 ELC-20021	1/2" x 3" conduit nipple	31 ELC-15005	Transformer, 9070E01 SQ-D
15 CNR-111	1/2" water right conduit connector, ST-1 Myers	32 TES-10142	Terminal strip, 10-142 Cinch Jones
16 ELC-20024	1/2" x 1 1/2" Conduit nipple	33 REL-5821	Relay, 5X821 Grainger, 4 used
17 ELC-20503	Outlet box, LR17 Crouse Hinds	34 REL-42700010	Delay relay, W388ACQSOX-2 Magnecraft
18 ELC-20009	1/2" ridged conduit, 36"	35 ELC-10	Fuse block, 2808 Buss
19 ELC-20504	Cover, 170 Crouse Hinds	36 ELC-20022	1/2" rigid conduit elbow
ELC-20505	Gasket for cover, GASK571	37 ELC-20023	1/2" rigid conduit coupling
20 CNR-112	1/2" x 45° connector, liquid tight, insulated, LTB5045	38 ELC-50001	Control box complete
21 ELC-50000	Relay chasis complete	39 CIP-130	Jiffy clip, 5/8" No. 130
22 ELC-20010	1/2" flex conduit, 18"		



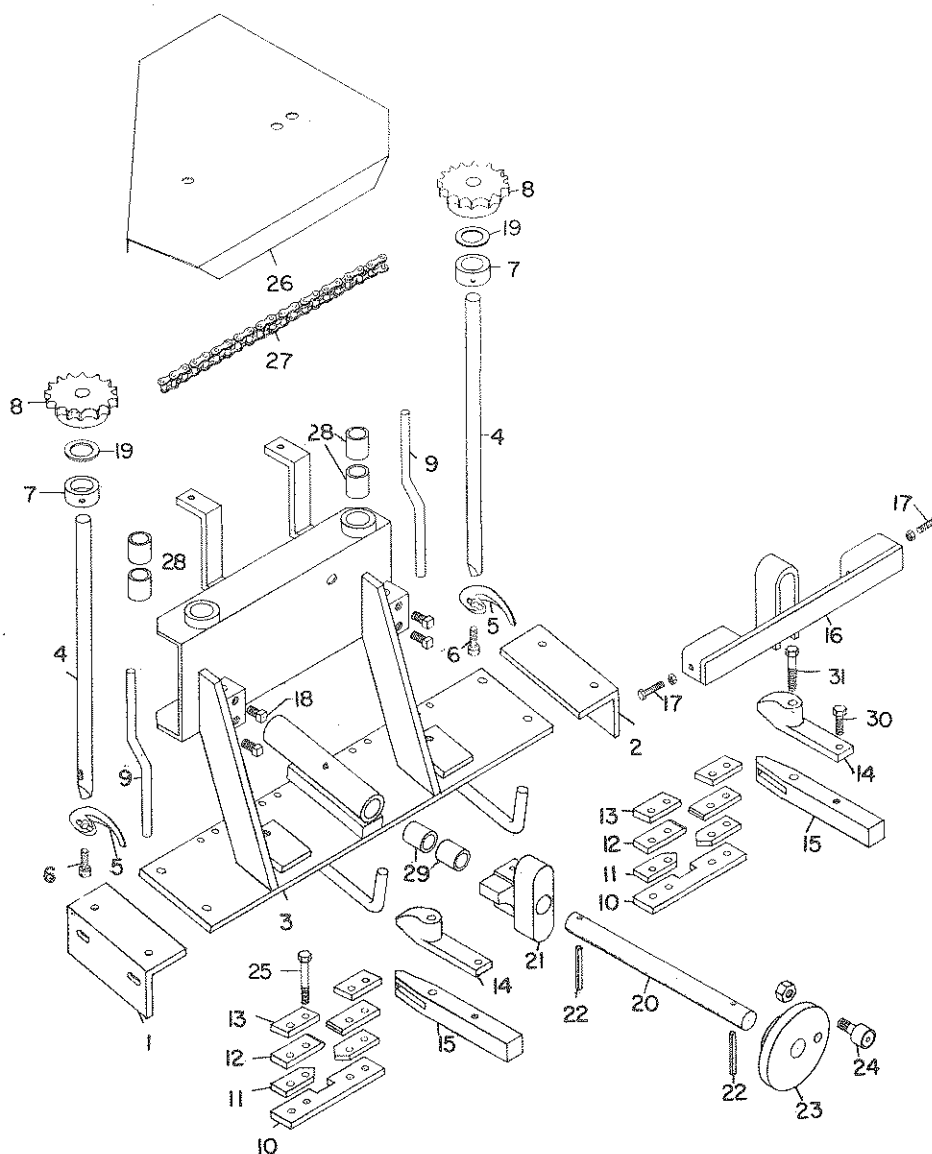
KNOTTER TRIP ASSEMBLY

REF. PART NO.	NO.	DESCRIPTION
1	F1617	Meter wheel shaft bracket, 2 used
2	F1618	Meter wheel shaft bearing complete, 2 used
	F1619	Bearing only, RA012NPPB
	F1889	Flangett only, 47MST
	F1890	Locking Collar only, S1012K
3	F1531	Meter wheel, 10"
4	F8034	Meter wheel shaft
5	F1686	Meter trip bar
6	F1687	Knurled friction disc
7	F8023	Guide washer
8	F278	Spring
9	F440	Ferrule
10	F1572	Cam follower bearing
11	F1513	Knotter trip mount
12		3/4" x 1 1/4" - 10 ga. machine bushing
13	F7227	Bushing, 3/4" x 7/8" x 3/4" oilite
14	F1514	Reset lever
15	F1568	Bushing, rest lever, 1/2" x 5/8" x 1" oilite
16	F1515	Clutch stop lever
17		1/2" x 7/8" - 14 ga. machine bushing
18	F1517	Trip spring
19	F1632	Meter trip bar stop with bolt
20	F1608	Shield for meter wheel
21		1/2" x 1 3/4" NC cap screw, trip bar stop
22		1/2" x 1 1/4" NC cap screw, clutch stop
23		5/16" x 2" NC cap screw, clutch stop clamp
24		3/8" x 1 1/4" NC cap screw, knurled roller and washers
25		5/16" x 3/4" NCBH machine screw, bearing to bracket
26		3/16" x 3/4" cotter key
27		1/8" x 1" cotter key
28	F7391	Bale counter mounting angle
29	F304	Bale counter, Veeder Root
	F635	Arm w/screw for F304
	F636	Reset knob for F304
30	F638	Spring, bale counter
31	F637	Chain, bale counter



KNOTTER BRAKE ASSEMBLY

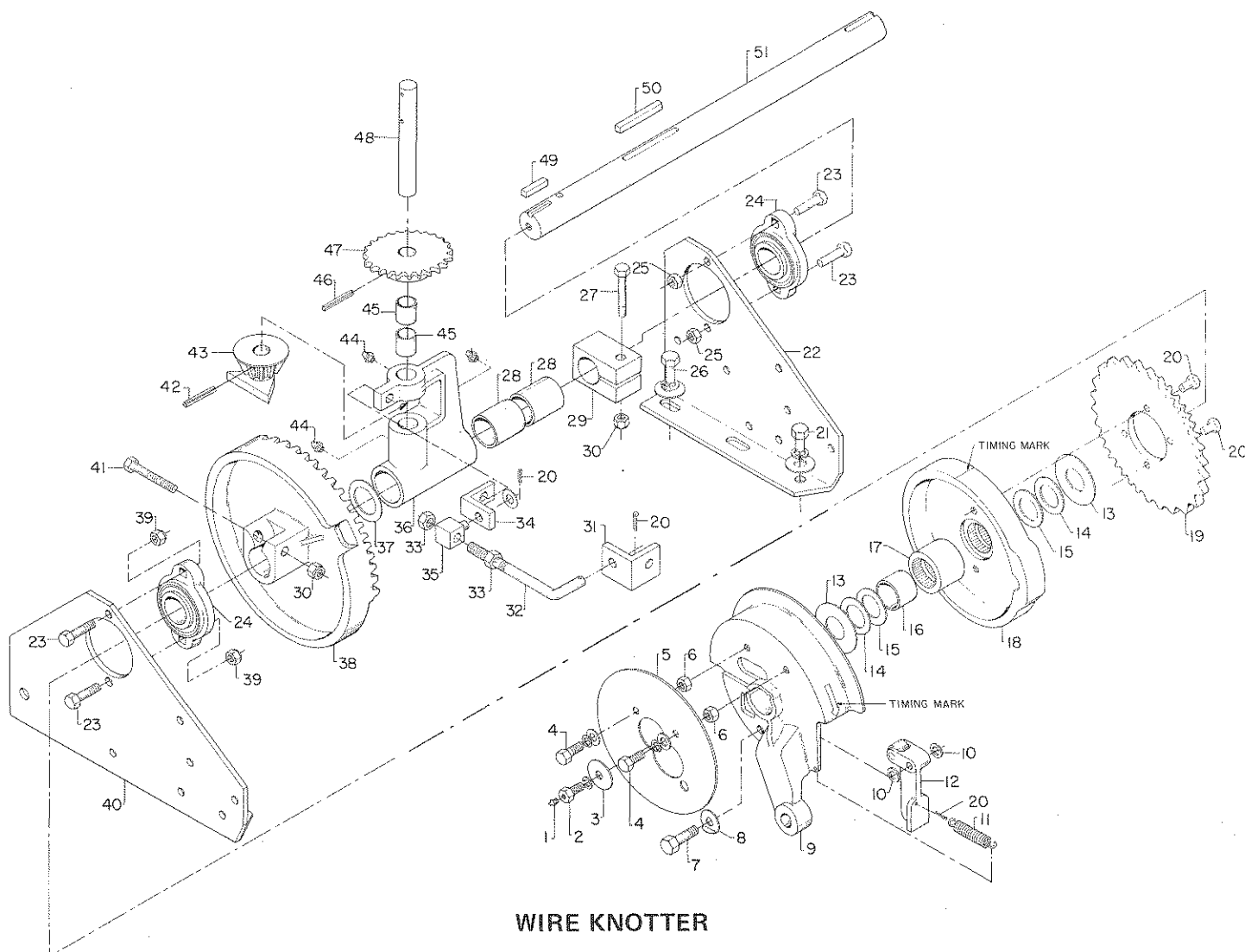
REF. PART NO. NO.	DESCRIPTION
1 FA7528	Brake disc with hard notch, 1-3/8"
2 F7450	Outside brake plate with lining
3 F7451	Brake plate stud, 2 used
4 F7453	Brake plate spring, 2 used
5 F7449	Inside brake plate with lining
6 F7454	Brake lining with rivets, 2 used
7	Rivets for brake lining, 6 used
8 F246	Saddle lever washer
9 F7587	Seal for saddle lever anchor, 63123 Victor
10 F7561	Saddle lever lower half with bushing
11 F7560	Saddle lever upper half with spring anchor
12 F7586	Bushing for saddle lever, 3/4" x 1" x 1 1/2"
13 F7585	Saddle lever sleeve
14 F1572	Cam follower, saddle lever
15 F7448	Saddle lever spring eyebolt
16 F7559	Saddle lever spring
17 F7452	Brake plate bolt, 1/4" x 3 1/2" NC
18 F7904	3/8" x 3/8" x 2" key for brake disc
19	1/2" x 3 1/4" NC cap screw w/fibre lock nut for brake clamp
20	5/16" x 1 1/4" NC cap screw w/fibre lock nut for saddle lever
21	3/8" x 3 1/2" NC cap screw w/fibre lock nut for saddle lever anchor



WIRE KNOTTER

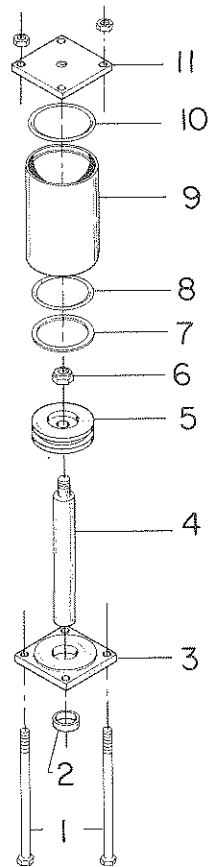
REF. PART NO. NO.	DESCRIPTION
1 F7062	Knotter mounting angle, LH
2 F7065	Knotter mounting angle, RH
3 F7311	Twister and shuttle bar frame
4 F7089	Twister shaft
5 F4046	Twister hook
6 F7248	Twister hook bolt
7 F172	Set collar, 3/4"
8 F4024	Sprocket, twister shaft, 15T
9 F7318	Wire holder rod
10 F7087	Wire knife
11 F7086	Gripper spacer, bottom
12 F7085	Wire gripper
13 F7084	Gripper top plate
14 F7312	Wire divider
15 F7313	Wire gripper tongue
16 F7316	Shuttle bar with adjusting screws

REF. PART NO. NO.	DESCRIPTION
17 F7081	Shuttle bar adjusting screws
18	3/8" x 3/4" NC square head set screw
19	Washer, 10 ga., 3/4"
20 F7077	Cam shaft
21 F7075	Shuttle bar drive cam
22 F7076	Roll pin, 1/4" x 1 1/2"
23 F7078	Shuttle bar crank flange
24 F7079	Cam follower
25	5/16" x 1 1/4" NFHT cap screw
26 F7317	Shield
27 F7348	Twister drive chain, 64P No. 40
28 F7227	Bushing, twister shaft
29 F7227	Bushing, cam shaft
30	5/16" x 3/4" NC cap screw
31	3/8" x 2 1/2" NFHT cap screw



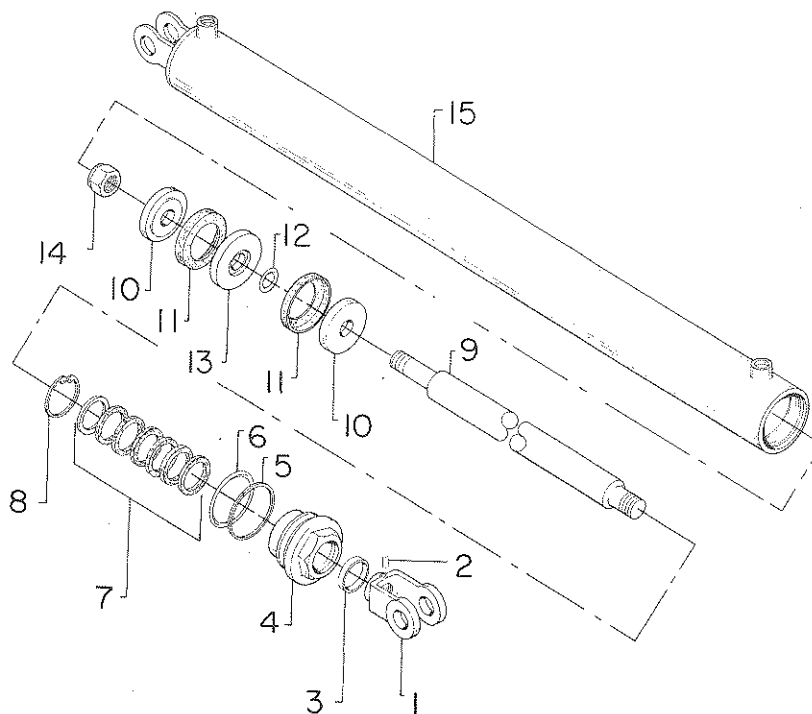
WIRE KNOTTER

REF. PART NO. NO.	DESCRIPTION	REF. PART NO. NO.	DESCRIPTION
1	Zerk, 1645B	28	F4137 Bushing for F7072 frame, 1-3/8" x 1 1/2" x 2"
2	F1576 Adapter W/1645B zerk	29	F4138 Clamp collar
3	F246 Washer, knotter shaft end	30	1/2" NC nut
4	3/8" x 1" NC cap screw	31	F7332 Angle for chain tightner rod, large
5	F7987 Shield for knotter clutch	32	F7334 Chain tightner rod
6	3/8" NC nut	33	1/2" NF nut
7	F1633 Clutch pawl pin	34	F7333 Angle for chain tightner rod, small
8	F1620 Clutch pawl pin lock	35	F7335 Block for chain tightner rod
9	F7519 Clutch w/pawl	36	F7072 Pinion frame
10	F1623 Washer, 7/16" ID x 7/8" OD x .025"	37	F4159 Washer, 1-3/8" ID x 10 ga.
11	F4115 Spring, clutch pawl		F4160 Washer, 1-3/8" ID x 14 ga.
12	F1622 Clutch pawl		F4161 Washer, 1-3/8" ID x 18 ga.
13	F4136 Hardened washer, 1-3/8" ID x 16 Ga.	38	F7432 Intermittent gear
14	F4159 Knotter shaft spacer washer, 10 Ga.	39	3/8" NC elastic stop nut
15	F4161 Knotter shaft spacer washer, 18 Ga.	40	F7571 Knotter mount, LH
16	F4135 Inner race for F4134 bearing	41	1/2" x 3" NC cap screw
17	F4134 Bearing for F4133 disc	42	F7076 Roll pin, 1/4" x 1 1/2"
18	F4133 Notched clutch disc with F4134 bearing	43	F7431 Pinion
19	F755 Clutch sprocket, 32T60	44	Zerk, 1641B
20	1/8" x 1" cotter key	45	Bushing for F7072 frame, 7/8" x 1" x 1"
21	1/2" x 3/4" NC cap screw	46	F4030 Roll pin, 1/4" x 2"
22	F7570 Knotter mount, RH	47	F7257 Twister drive sprocket, 40B25
23	3/8" x 1 1/2" NC cap screw	48	F7069 Pinion shaft
24	F7063 Bearing, knotter shaft, 2 used	49	3/8" x 3/8" x 2" key
25	3/8" NC plain nut	50	3/8" x 3/8" x 2 3/4" key
26	1/2" x 1" NC cap screw	51	F7457 Knotter shaft
27	1/2" x 2 3/4" NC cap screw		



TENSION CONTROL RAM

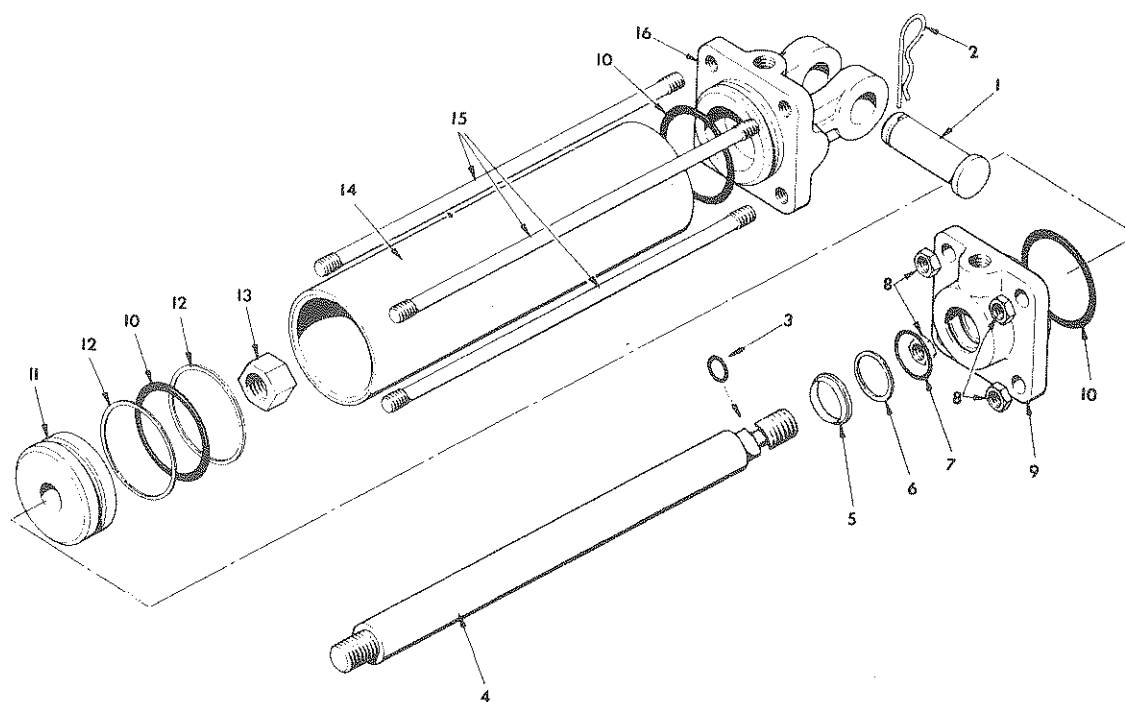
REF. PART NO. NO.	DESCRIPTION
1 FT16	Tie bolt w/nut, 3/8 x 7 1/2, 4 used
2 FT19	Bushing for FT14, 1" x 1 1/4" x 5/8"
3 FT14	Cylinder bottom w/bushing
4 FT233	Piston rod
5 FT236	Piston head
6	1/2" NF esna jam nut
7 FT137	Backup ring
8 FT12	"O" ring for piston
9 FT234	Cylinder
10 FT15	"O" ring top seal
11 FT13	Cylinder top



PLUNGER CYLINDER

CYL 3036

REF. PART NO.	NO.	DESCRIPTION
1	CYL-2500911	Clevis, WM-2500-9-112
2	CYL-10223	Set screw, 10223
3	*	Piston rod wiper, 10233
4	CYL-3000315	Cylinder head, W-3000-3-150
5	*	Tube seal backup washer, 26112
6	*	Tube seal, 20012
7	*	Piston rod packing set, 66150
8	*	Snap ring, 71200
9	CYL-3004436	Piston rod, W-3000-44-360
10	CYL-30006	Piston cup retainer, W-3000-6
11	*	Piston cup, 40030
12	*	Seal, piston body, 25017
13	CYL-3005	Piston, W3000-5
14	CYL-10252	Nut, 10252
15	CYL-3000236	End cap & tube assembly, WC3000- 2A-360
	*CYL-3015	Seal repair kit, KW3015



VICTOR CYLINDER CYL-3010

REF. PART NO.	PART NO.	DESCRIPTION
1	CYL-181106	Pin
2	CYL-181107	Pin clip
3	*	"O" ring
4	CYL-4110861	Rod, 411086-10
5	*	Rod wiper
6	*	Backup ring
7	*	"O" ring rod packing
8		3/8" NF nut
9	CYL-414215	Head
10	*	"O" ring
11	CYL-412056	Piston
12	*	Backup ring
13		7/8 - 14 NF nut
14	CYL-4101111	Tube, 410111-10
15	CYL-4191451	Tie rod, 419145-10
16	CYL-414216	Bottom
	*CYL-199125	Seal repair kit