

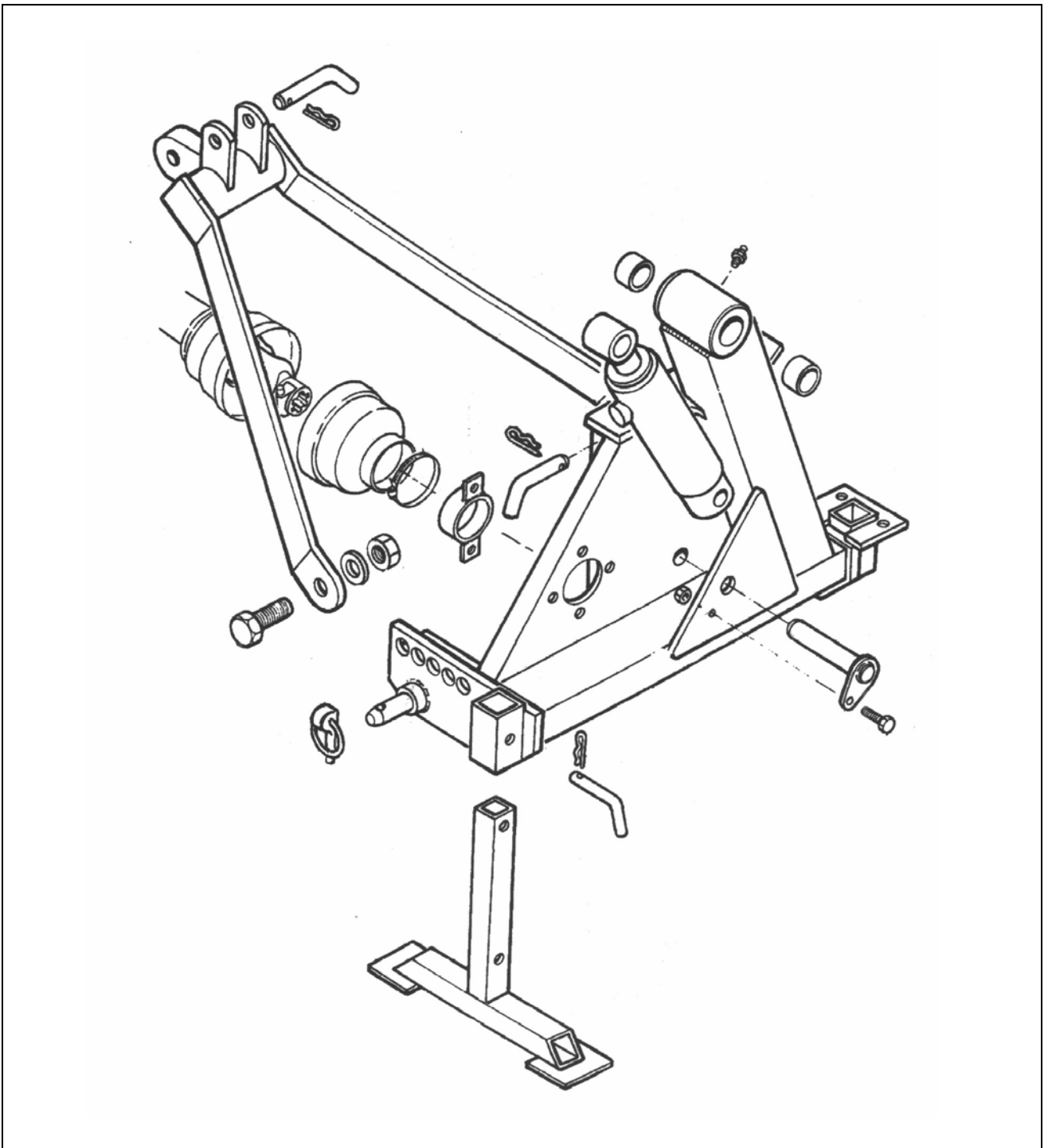
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August 2001
Part No. 41570.11
Revision: 17.01.07



PA 32

HEDGE/GRASS TRIMMER

Parts Manual





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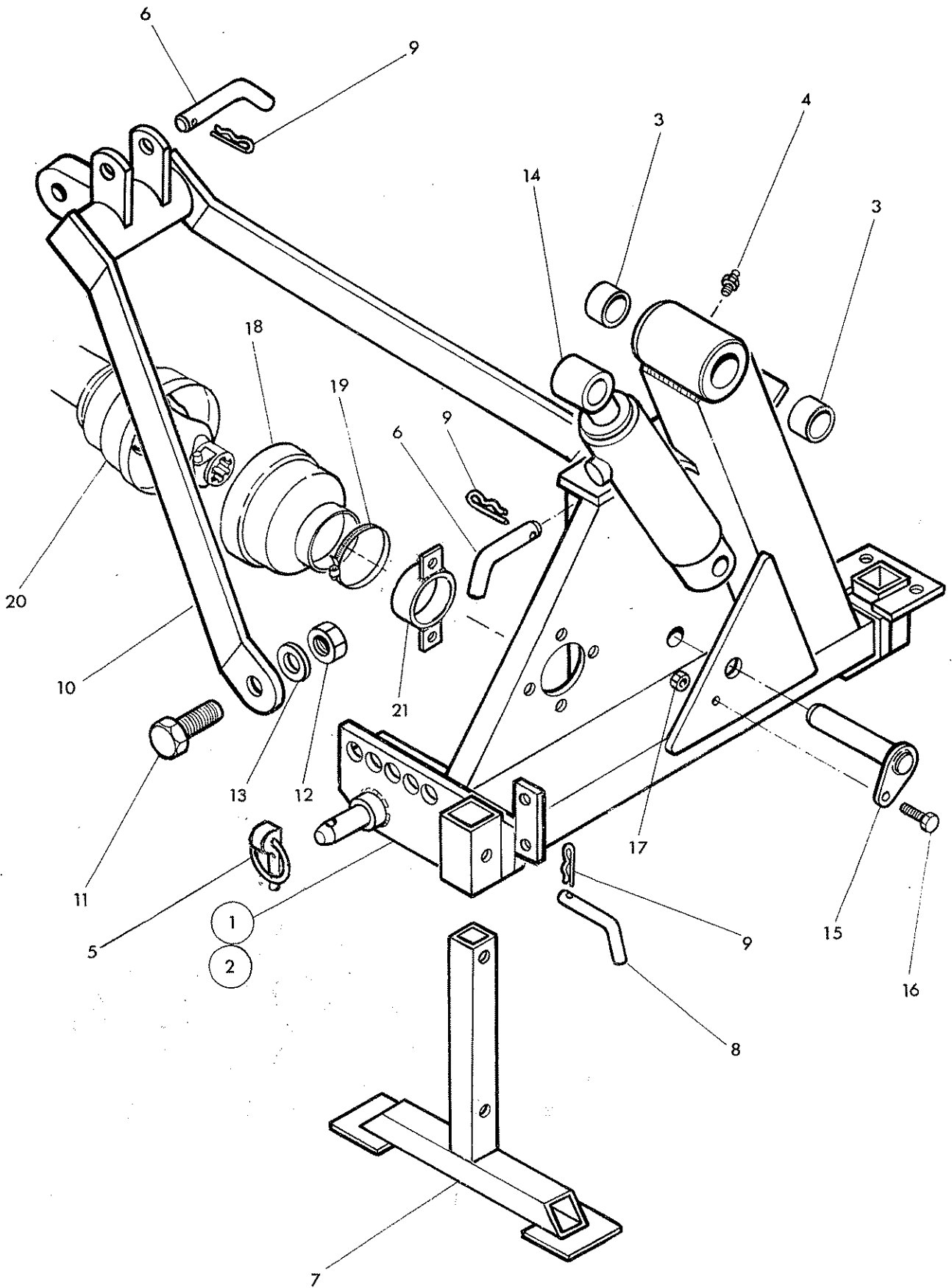
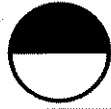
Always quote:

- **Machine Type**
- **Serial Number**
- **Part Number**

Design improvements may alter some of the parts listed in this manual – the latest part will always be supplied when it is interchangeable with an earlier on.

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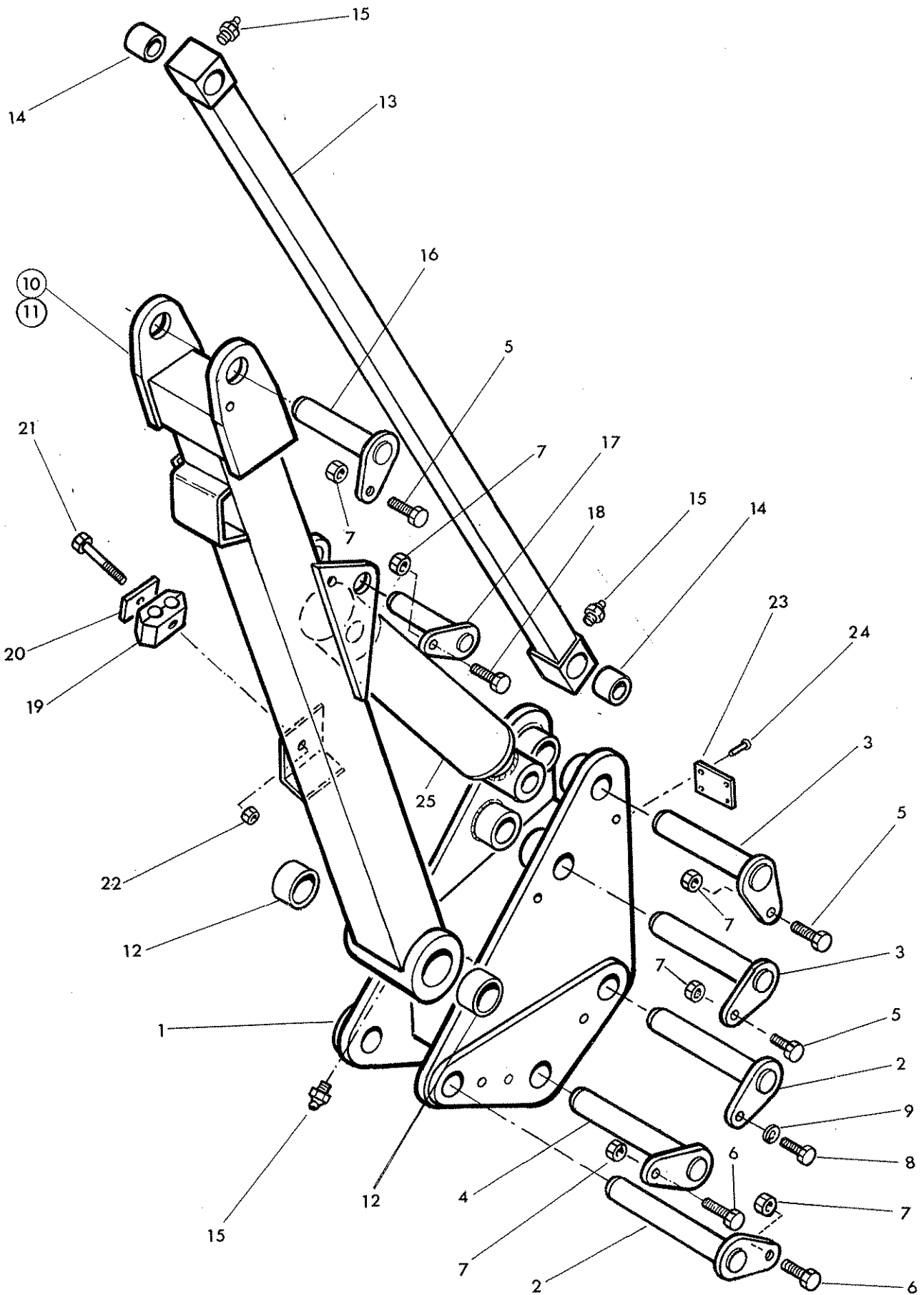


Ref. Part No.	Qty	Description
MAIN FRAME AND STABILISER		
1	41197.01	1 Main frame L.Hand
2	41197.02	1 Main frame R.Hand - not illus.
3	71 01 134	2 Bush
4	09 01 121	1 Greaser
5	04 31 217	1 Linch pin
6	71 92 026	2 Top link pin
7	41203.01	2 Stand leg
8	10 90 051	2 Leg pin
9	04 31 105	4 Spring cotter
10	41205.01	1 Stabiliser
11	91 13 118	2 Setscrew
12	91 13 008	2 Self locking nut
13	91 00 208	2 Spring washer
14	41014.03	1 Lift ram assy.
15	41267.01	1 Pivot pin - lift ram base
16	93 13 065	1 Setscrew
17	91 43 005	1 Self locking nut
18	71.11.038	1 Shaft guard
19	09 04 114	1 Hose clip
20	71 14 289	1 P.T.O. shaft
21	71 91 075	1 Guard mounting collar

MAIN ARM & ROCKER



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Ref. Part No.	Qty	Description
MAIN ARM AND ROCKER		
1	41198.01	1 Rocker
2	41268.01	1 Pin-rocker and main arm
3	41267.02	1 Pin-link and reach ram rod
4	41267.01	1 Pin - lift ram rod
5	93 13 055	3 Setscrew
6	93 13 065	2 Setscrew
7	91 43 005	6 Self locking nut
8	91 13 045	1 Setscrew
9	91 00 205	1 Spring washer
10	41199.01	1 Main arm L.Hand
11	41199.02	1 Main arm R.Hand - not illus.
12	71 01 134	2 Bush
13	41200.01	1 Tension link
14	71 05 050	2 Bush
15	09 01 121	3 Greaser
16	41268.01	1 Pivot pin - dipper
17	41267.04	1 Pivot pin - reach ram base
18	93 13 075	1 Setscrew
19	06.430.09	2 Hose clamp
20	06.418.03	2 Clamp plate
21	92 13 134	2 Bolt
22	91 43 004	2 Self locking nut
23	13 35 246	1 Serial No. Plate
24	71 03 230	4 Pop rivet
25	41015.03	1 Reach ram assembly

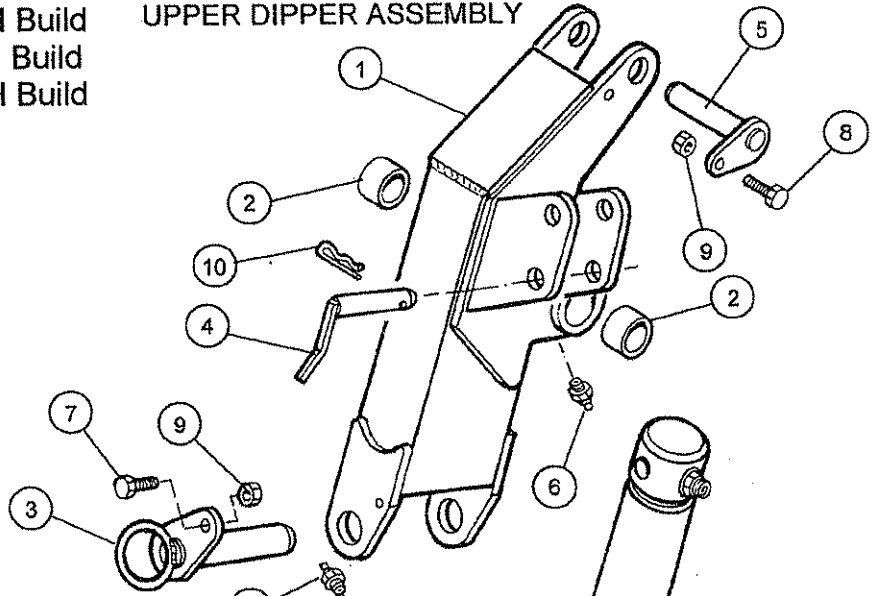
DIPPER ARMS – UPPER & LOWER

Illustrated in Left hand Build

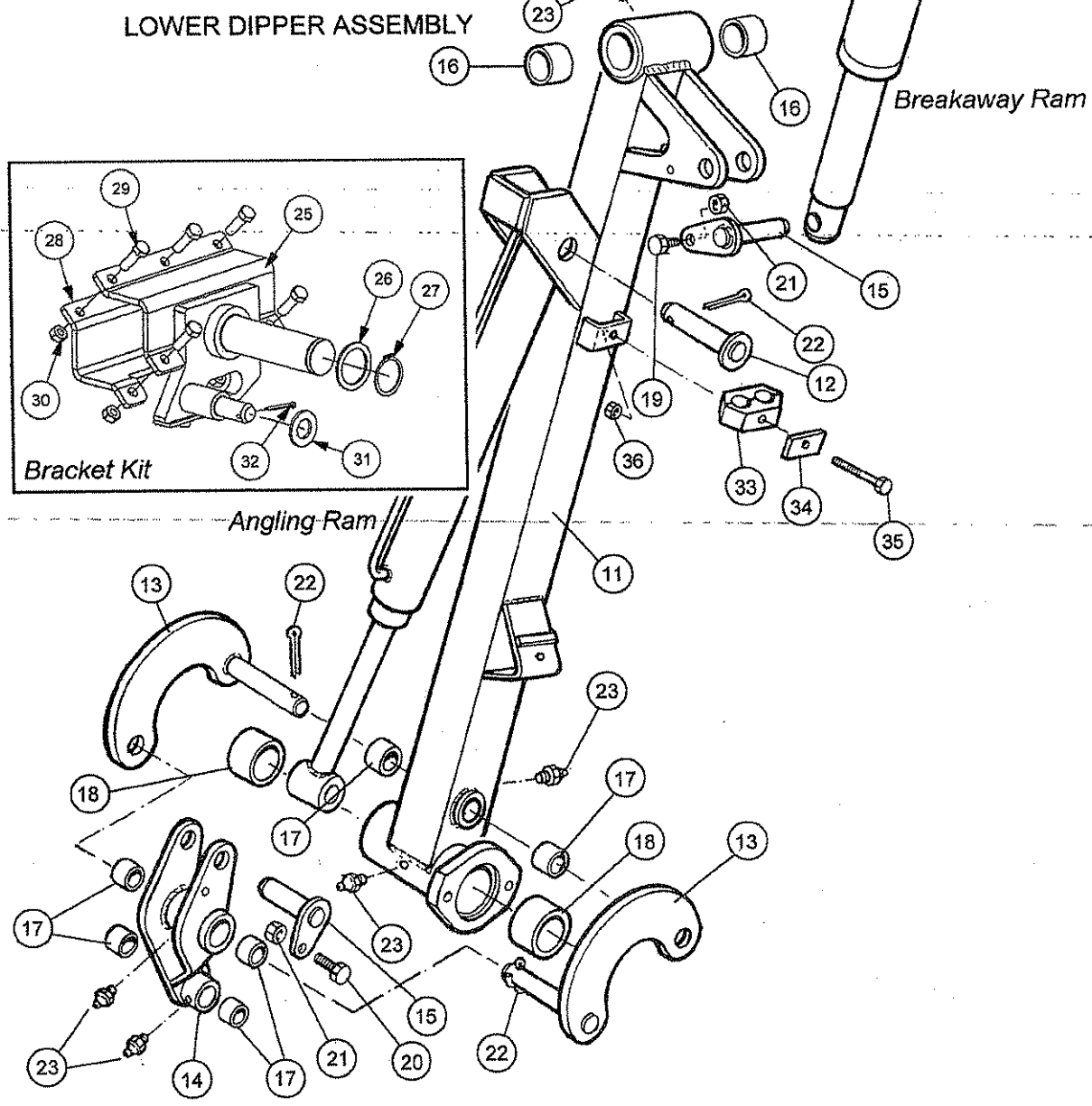
Modules:

- 7490708 – Upper Dipper L/H Build
- 7490709 – Upper Dipper R/H Build
- 7490710 – Lower Dipper L/H Build
- 7490711 – Lower Dipper R/H Build

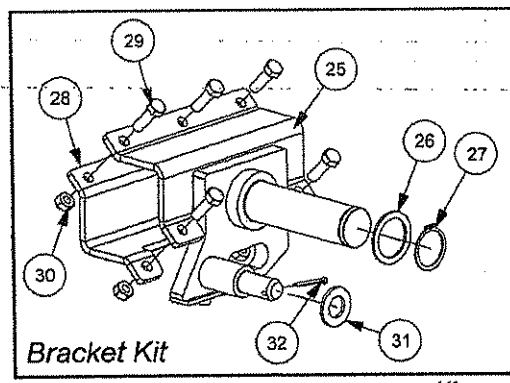
UPPER DIPPER ASSEMBLY



LOWER DIPPER ASSEMBLY



Breakaway Ram



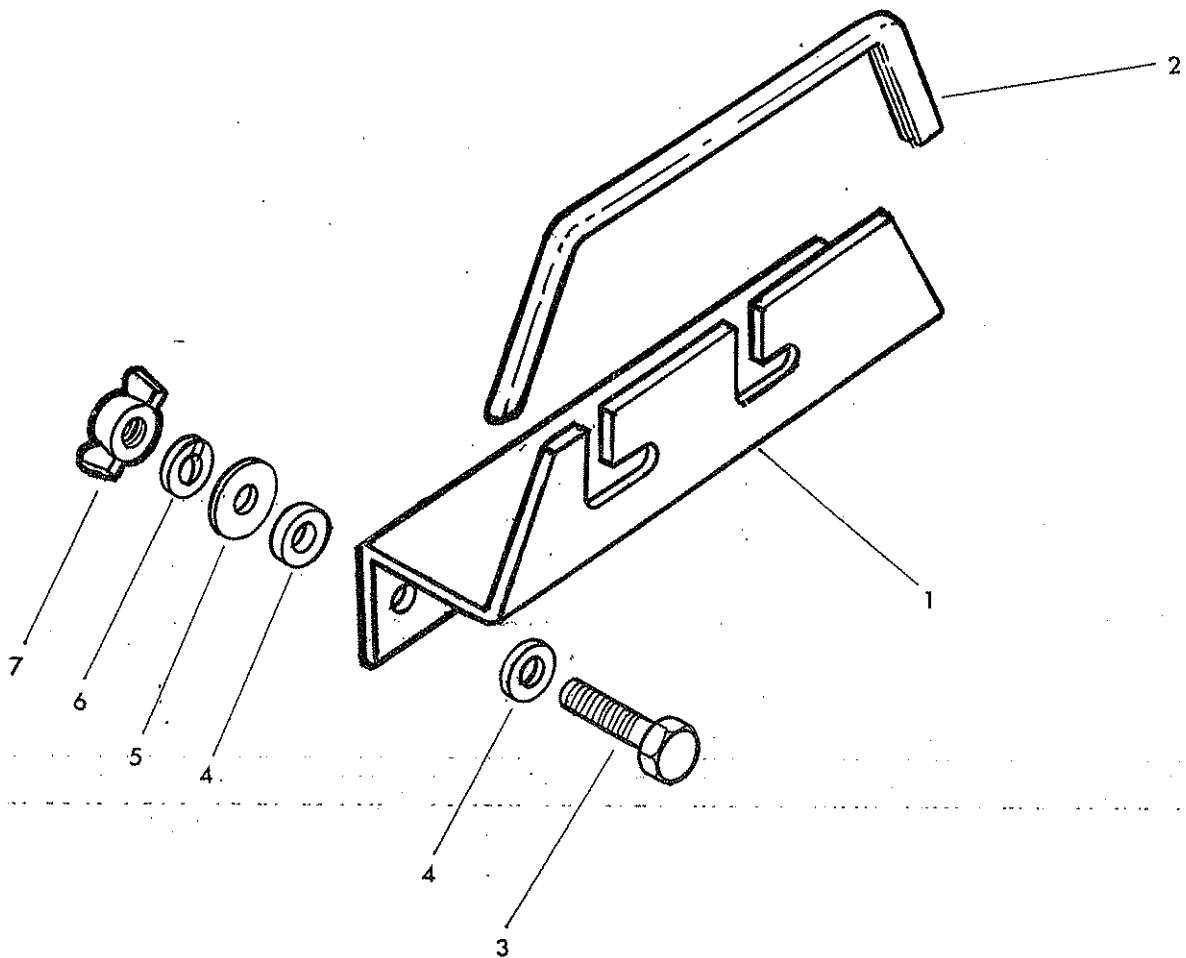
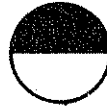
Bracket Kit

Angling Ram

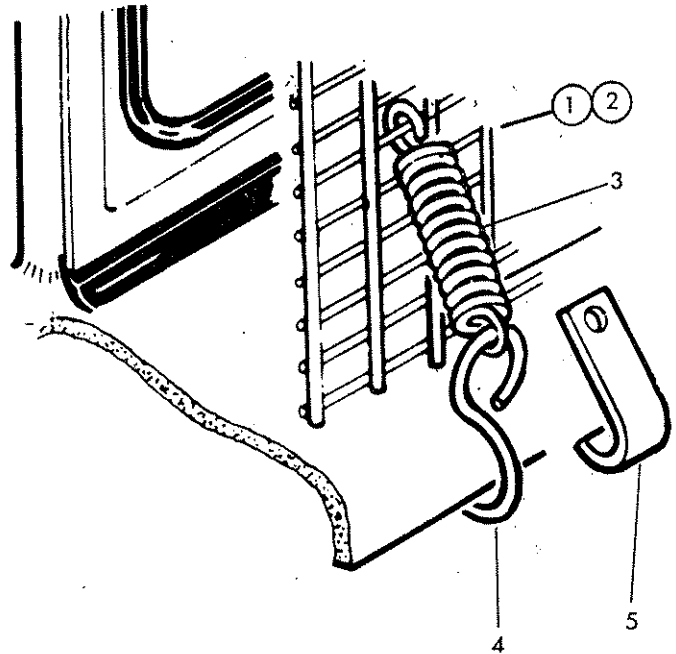
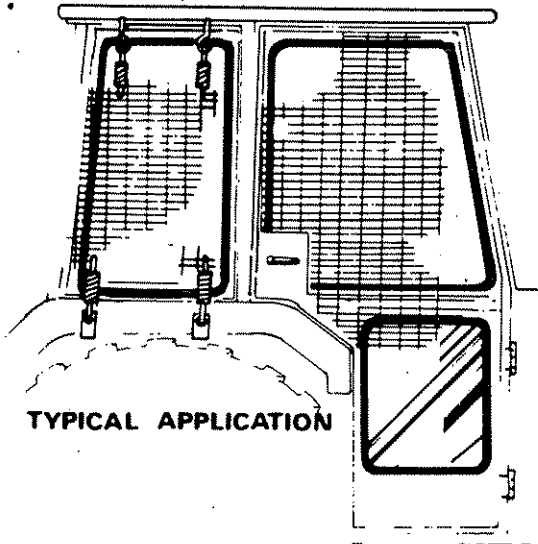

DIPPER ARMS - UPPER & LOWER

REF.	QTY.	PART No.	DESCRIPTION
		7490708	UPPER DIPPER ARM ASSEMBLY - L/H Build
		7490709	UPPER DIPPER ARM ASSEMBLY - R/H Build
1	1	41201.01	UPPER DIPPER ARM - L/H Build
	1	41201.02	UPPER DIPPER ARM - R/H Build (<i>not illustrated</i>)
2	2	21149.01	BUSH
3	1	41269.01	PIN - BREAKAWAY
4	1	7191036	PIN - BREAKAWAY RAM BASE
5	1	41267.03	PIN
6	1	0901121	GREASE NIPPLE
7	1	9313075	SETSCREW
8	1	9313055	SETSCREW
9	2	9143005	SELF-LOCKING NUT
10	1	0431105	SPRING COTTER
		7490710	LOWER DIPPER ARM ASSEMBLY - L/H Build
		7490711	LOWER DIPPER ARM ASSEMBLY - R/H Build
11	1	41202.01	LOWER DIPPER ARM - L/H Build
	1	41202.02	LOWER DIPPER ARM - R/H Build (<i>not illustrated</i>)
12	1	7191041	PIN - ANGLE RAM BASE
13	2	41206.01	RADIUS ARM
14	1	41207.01	SLAVE LINK - L/H Build
	1	41207.02	SLAVE LINK - R/H Build (<i>not illustrated</i>)
15	2	41270.01	PIN - ANGLE RAM ROD
16	2	21149.01	BUSH
17	6	7214060	BUSH
18	2	1090001	BUSH
19	1	9313065	SETSCREW
20	1	9313055	SETSCREW
21	2	9143005	SELF-LOCKING NUT
22	3	9501406	COTTER PIN
23	5	0901121	GREASE NIPPLE
24	1	7490812	BRACKET KIT - L/H Build
	1	7490813	BRACKET KIT - R/H Build
25	1	41261.08	PIVOT BRACKET - L/H Build
	1	41261.04	PIVOT BRACKET - R/H Build
26	1	1090037	RETAINING WASHER
27	1	0406247	EXTERNAL CIRCLIP
28	1	21873.01	CLAMP PLATE
29	5	9313086	SETSCREW
30	5	9143006	SELF-LOCKING NUT
31	1	0100109	FLAT WASHER
32	1	9501406	COTTERPIN
33	2	06.430.09	HOSE CLAMP
34	2	06.418.03	CLAMP PLATE
35	2	9213134	BOLT
36	2	9143004	SELF-LOCKING NUT

comprises of:

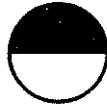


Ref	Part No	Qty	Description
CONTROL UNIT MOUNTING ASSY			
1	03.583.01	1	Bracket
2	03.231.02	1	Rubber edge strip
3	93 13 094	2	Setscrew M8 x 45
4	03.152.01	4	Rubber washer
5	91 00 104	2	Plain washer dia 8
6	91 00 204	2	Spring washer dia 8
7	91 93 004		Wingnut M8

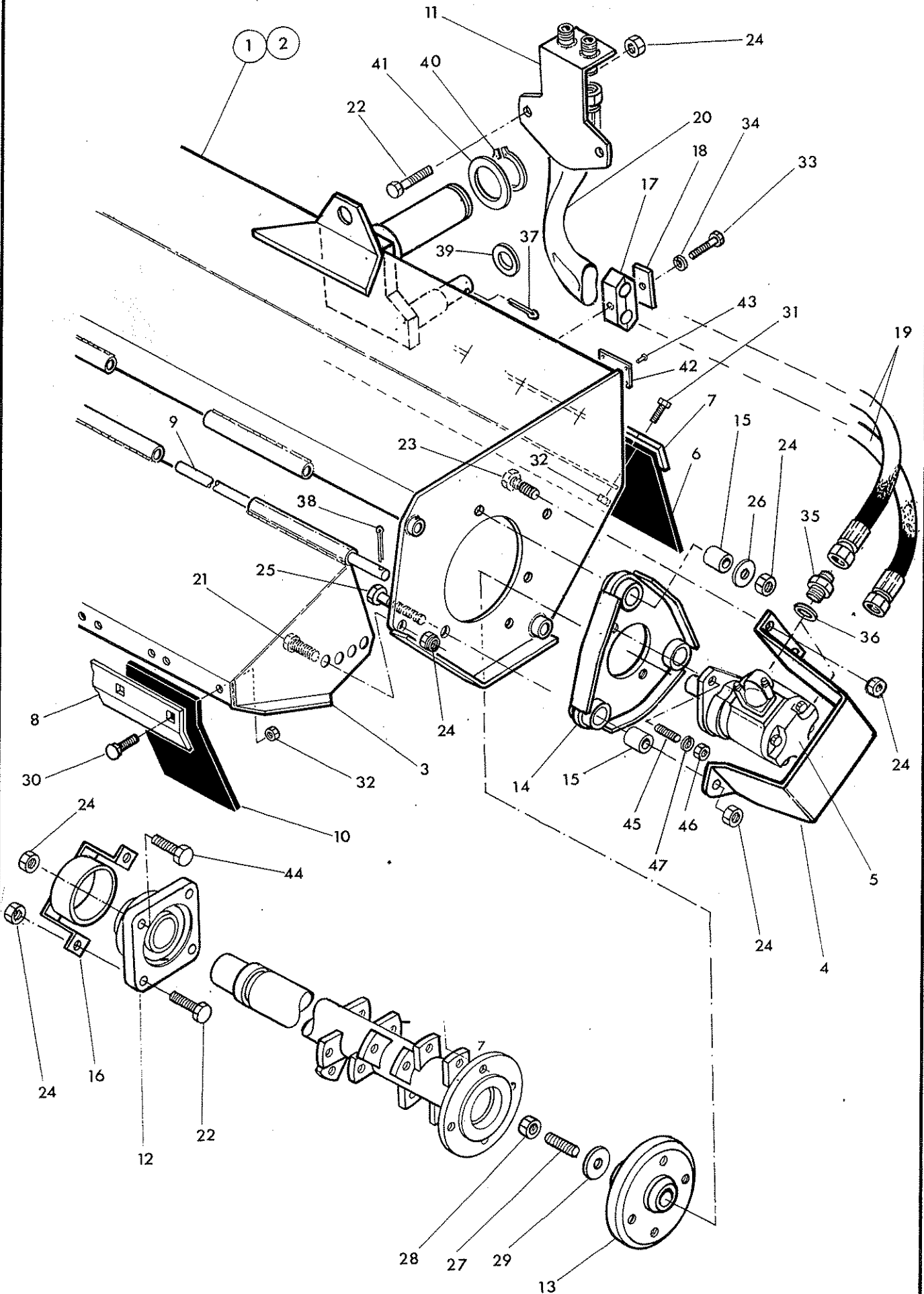


Ref. Part No.	Qty.	Description
73-13-324		CAB GUARD KIT
1 73-13-049	1	Guard panel - large
2 73-13-050	1	Guard panel - small
3 60-01-064	12	Spring
4 60-01-065	6	Hook
5 73-13-051	6	Hook

FLAIL HEAD CASING



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Ref.	Part No.	Qty	Description
FLAIL HEAD CASING			
1	41282.01	1	Casing - L.Hand
2	41282.02	1	Casing - R.Hand - not illus.
3	41283.01	1	Front hood
4	41288.01	1	Motor cover
5	08.785.05	1	Hydraulic motor
6	41289.01	1	Rear flap
7	41290.01	1	Clamp strip - rear
8	41291.01	1	Clamp strip - front
9	41293.01	1	Hood pivot bar
10	41296.01	6	Front flap
11	41297.01	1	Hose bracket
12	03.008.01	1	Flange bearing
13	03.833.01	1	Drive plate
14	09.132.01	1	Motor mounting plate
15	03.871.01	3	Rubber bush
16	06.037.01	1	Bearing cover
17	06.430.09	1	Hose clamp
18	06.418.03	1	Clamp plate
19	85 01 247	2	Hose 5/8 BSPX43 long FS-FS
20	09.868.05	1	Hose sleeve
21	93 13 046	2	Setscrew
22	93 13 086	4	Setscrew
23	93 13 056	2	Setscrew
24	91 43 006	13	Self locking nut
25	92 13 136	3	Bolt
26	02.824.01	2	Washer
27	03.960.02	1	Stud
28	01 41 003	1	Self locking nut
29	03.959.02	1	Plain washer - special
30	92 93 054	12	Cup screw
31	93 13 034	8	Setscrew
32	91 43 004	20	Self locking nut
33	92 13 094	1	Bolt
34	91 00 204	1	Spring washer
35	85 81 270	2	Adaptor
36	86 50 106	2	Bonded seal
37	95 01 406	1	Split pin
38	95 01 325	1	Split pin
39	01 00 109	1	Plain washer
40	04 06 247	1	External circlip
41	10 90 037	1	Retaining washer
42	13 35 246	1	Serial No. Plate
43	71 03 230	4	Pop rivet
44	93 13 076	2	Setscrew
45	04.282.56	2	Stud
46	91.13.005	2	Plain nut
47	91.00.205	2	Spring washer

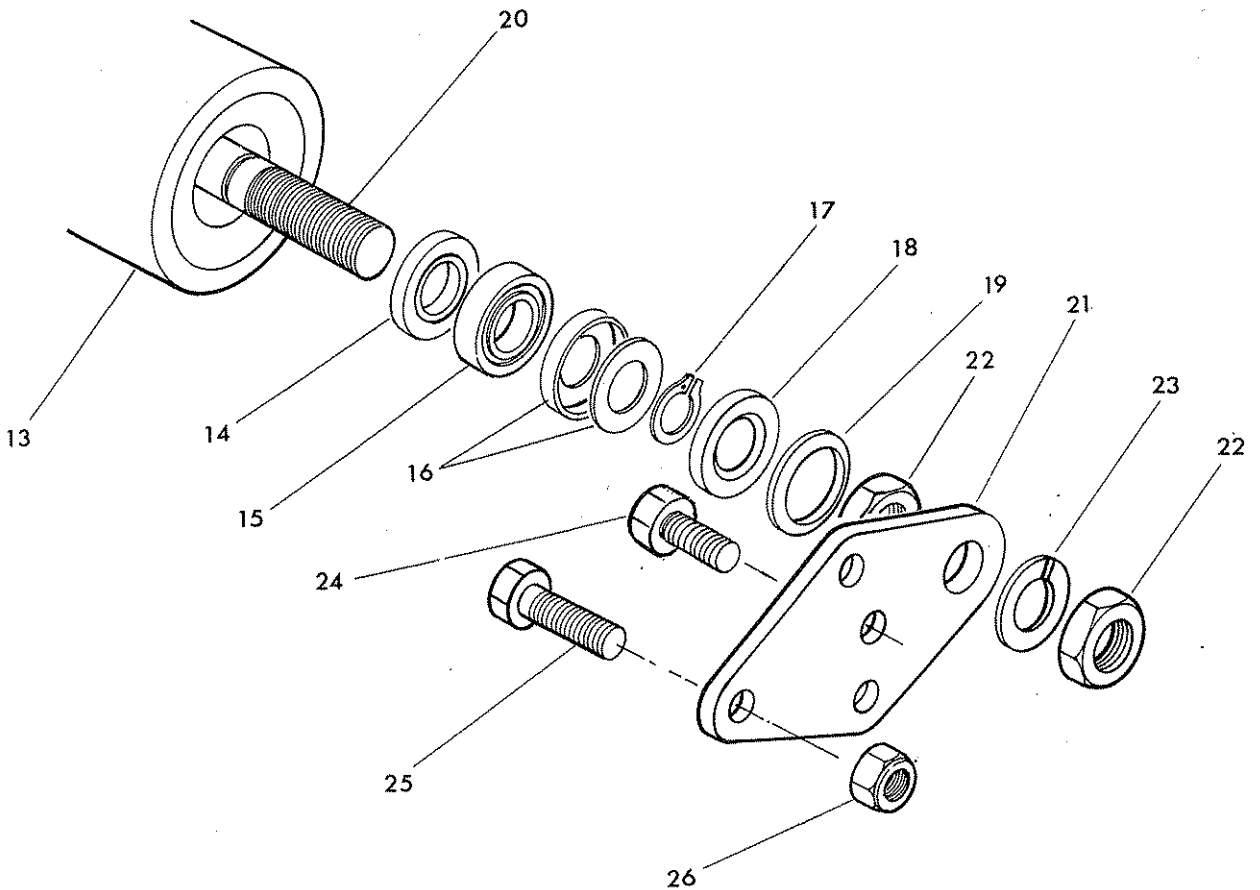
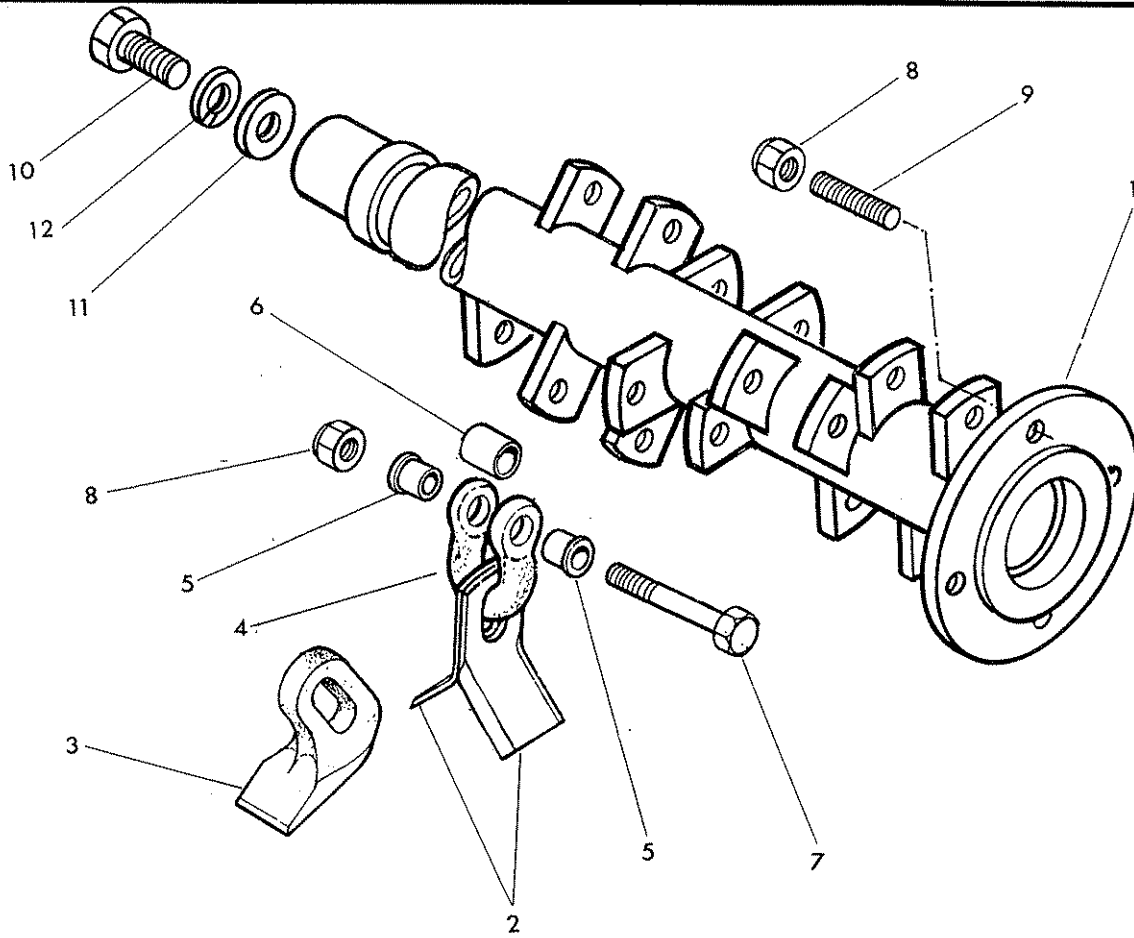
08.785.02

SEAL KIT - hydraulic motor

ROTOR & FLAIL OPTIONS
ROLLER



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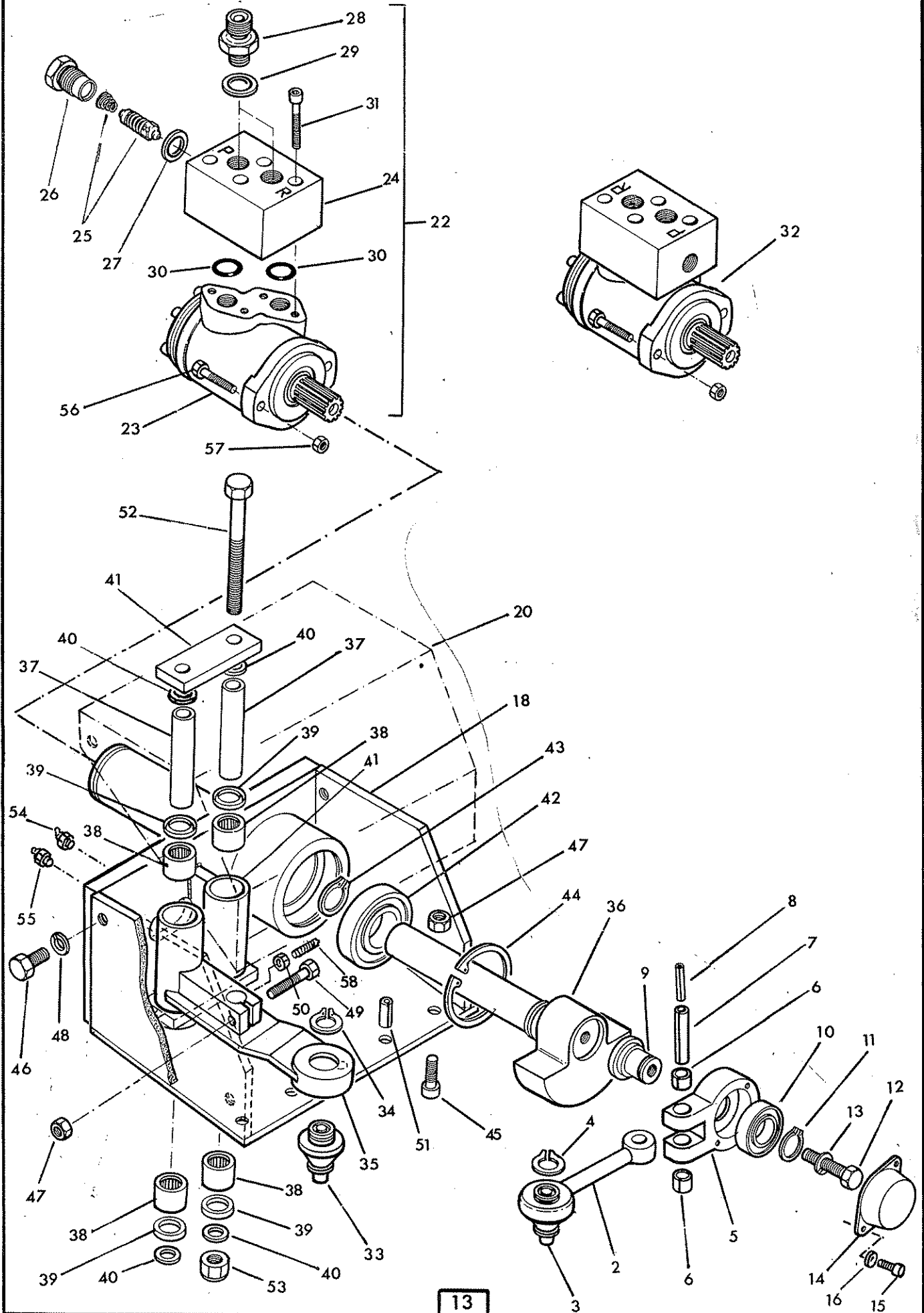
Ref.	Part No.	Qty	Description
ROTOR			
1	41284.01	1	Rotor
2	71 90 166	48	Flail - grass
3	71 90 463	24	Flail - universal
4	05.895.01	24	Shackle
5	02.801.01	48	Collar
6	02.807.01	24	Spacer
7	05.775.02	24	Bolt
8	05.968.02	28	Self locking nut
9	03.917.01	4	Stud
10	93 13 076	1	Setscrew
11	02.824.01	1	Washer - special
12	91 00 206	1	Spring washer

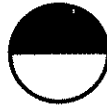
ROLLER			
	41301.01	1	Roller assembly compr:-
13	41301.31	1	Roller
14	04.456.07	2	Seal
15	04.456.11	2	Bearing
16	04.456.06	2	Labyrinth seal
17	04.456.04	2	External circlip
18	04.456.08	2	V seal
19	04.456.05	2	Bearing retainer
20	41301.32	1	Roller shaft
21	41285.01	2	Roller bracket
22	91 13 008	4	Plain nut
23	91 00 208	2	Spring washer
24	93 13 066	2	Setscrew
25	93 13 086	2	Setscrew
26	91.43.006	4	Self locking nut

CUTTERBAR DRIVE



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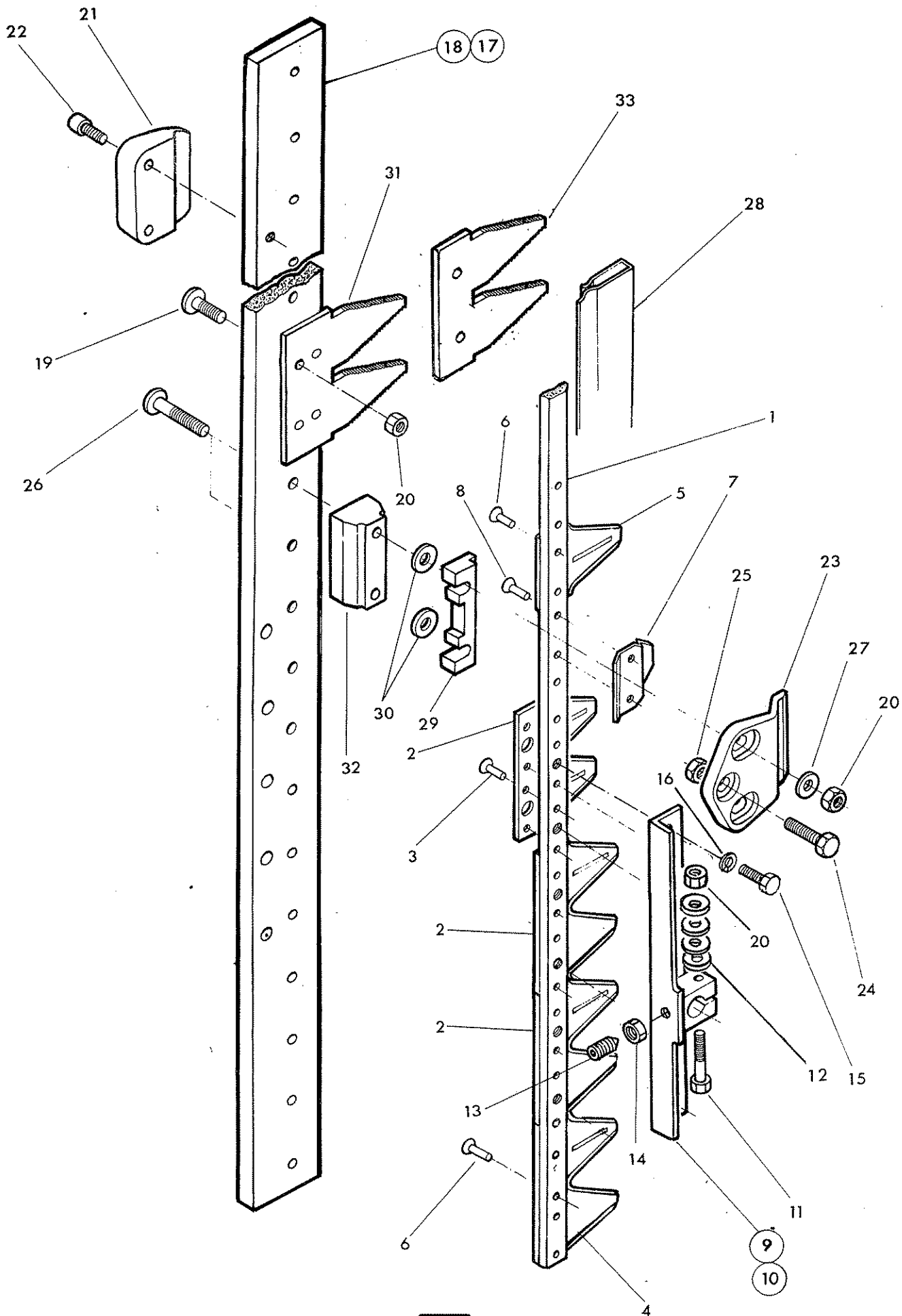
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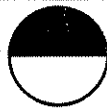
Ref. Part No.	Qty	Description
CUTTERBAR MOUNTING AND DRIVE		
1	41.075.01	1 Con rod - L.Hand compr:-
2		1 Con rod shaft
3	10 90 058	1 Swivel
4	04 01 225	1 External circlip
5	10 90 056	1 Bearing housing
6	10 90 059	2 Bush
7	10 90 060	1 Spring dowel
8	10 90 061	1 Spring dowel
9	10 90 057	1 Spigot
10	06 00 074	1 Bearing
11	04 01 230	1 External circlip
12	92 13 116	1 Bolt
13	91 00 206	1 Spring washer
14	10 90 054	1 Bearing cap
15	93 43 023	2 Capscrew
16	91 00 203	2 Spring washer
17	41.075.02	1 Con rod-R.Hand-not illus.components as L.Hand
18	41261.01	1 Mounting bracket - L.Hand
19	41261.02	1 Mounting bracket - R.Hand - not illus.
20	41264.01	1 Drive cover - L.Hand
21	41264.02	1 Drive cover - R.Hand - not illus.-
22	41336.01	1 Motor assy. L.Hand compr:-
23	83 01 293	1 Motor
24	41360.01	1 Valve plate
25	81 30 151	1 Relief valve
26	81 30 032	1 Relief valve cap
27	86 50 103	1 Bonded seal
28	G381.2120	2 Adaptor
29	86 50 104	2 Bonded seal
30	86 00 403	2 'O' ring
31	93 43 104	4 Capscrew
32	41336.02	1 Motor assy. R.Hand - components as L.Hand
33	10 90 058	1 Swivel
34	04 01 230	1 External circlip
35	41263.01	1 Rocker arm
36	41266.01	1 Crankshaft
37	41242.01	2 Sleeve
38	06 00 102	4 Bearing
39	86 29 212	4 Sealing ring
40	41275.01	4 Thrust washer
41	41262.01	2 Control link
42	06 00 073	1 Bearing
43	04 02 235	1 External circlip
44	04 11 272	1 Internal circlip
45	93 53 075	3 Capscrew
46	93 13 035	4 Setscrew
47	91 43 005	4 Self locking nut
48	91 00 205	4 Spring washer
49	93 43 105	1 Capscrew
50	91 13 004	1 Plain nut
51	04 28 120	2 Spring dowel
52	92 13 286	2 Bolt
53	91 43 006	2 Self locking nut
54	09 01 124	1 Greaser
55	09 01 121	1 Greaser
56	02 11 165	2 Bolt
57	01 41 005	2 Self locking nut
58	93 63 054	1 Grubscrew
		1
86 99 246		SEAL KIT -hydraulic motor

CUTTERBAR



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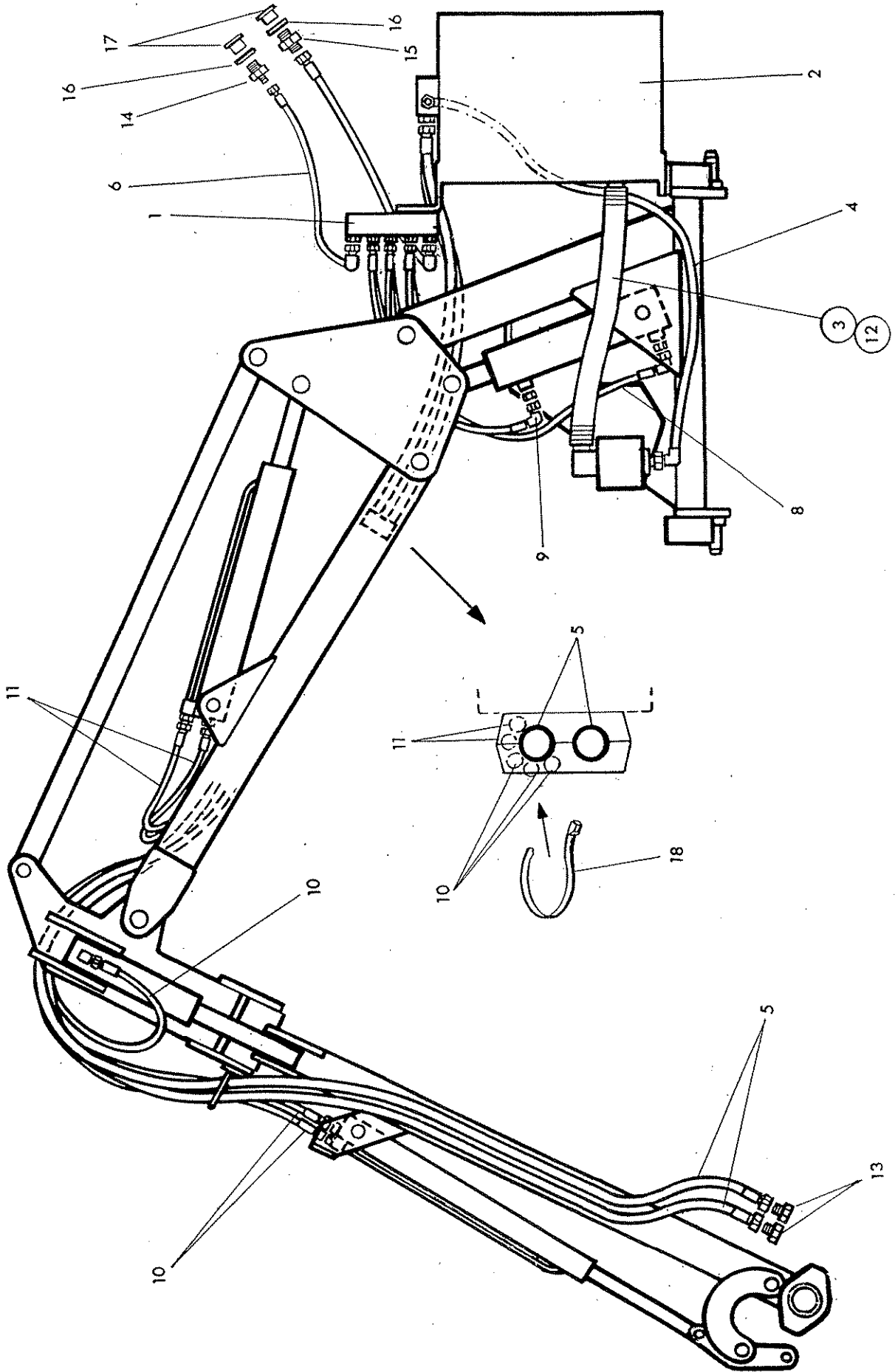
Ref.	Part No.	Qty	Description
			CUTTERBAR ASSEMBLIES
	41.074.03	1	Knife assembly
1	41470.01	1	Knife back
2	41471.01	3	Knife section-double-knife heel pos.
3	10 90 062	12	Rivet
4	41471.02	11	Knife section - double
5	41471.03	1	Knife section - single
6	10 90 063	36	Rivet
7	41472.01	5	Abutment plate
8	10 90 064	20	Rivet
9	41.076.02	1	Knife heel - R.hand
10	41.076.01	1	Knife heel - L.hand
11	92 13 104	1	Setscrews
12	10 90 119	4	Disc spring
13	93 63 044	1	Grubscrew
14	91 13 004	2	Plain nut
15	41477.01	4	Setscrew
16	91 00 204	4	Spring washer
17	41.078.04	1	Fingerbar - R.hand - not illus.
18	41.078.03	1	Fingerbar - L.hand
19	10 90 073	20	Dome headed bolt
20	91 43 004	30	Self locking nut
21	41475.01	1	Slide plate
22	91 43 024	2	Capscrew
23	41476.01	5	Knife clip
24	93 13 064	5	Setscrew
25	91 13 004	5	Plain nut
26	10 90 077	10	Dome headed bolt
27	10 90 079	10	Washer
28	10 90 152	1	Knife guard

CUTTERBAR ASSEMBLY - UNIVERSAL ONLY

29	41473.01	5	Abutment block
30	10 90 078	10	Washer
31	41474.01	15	Finger

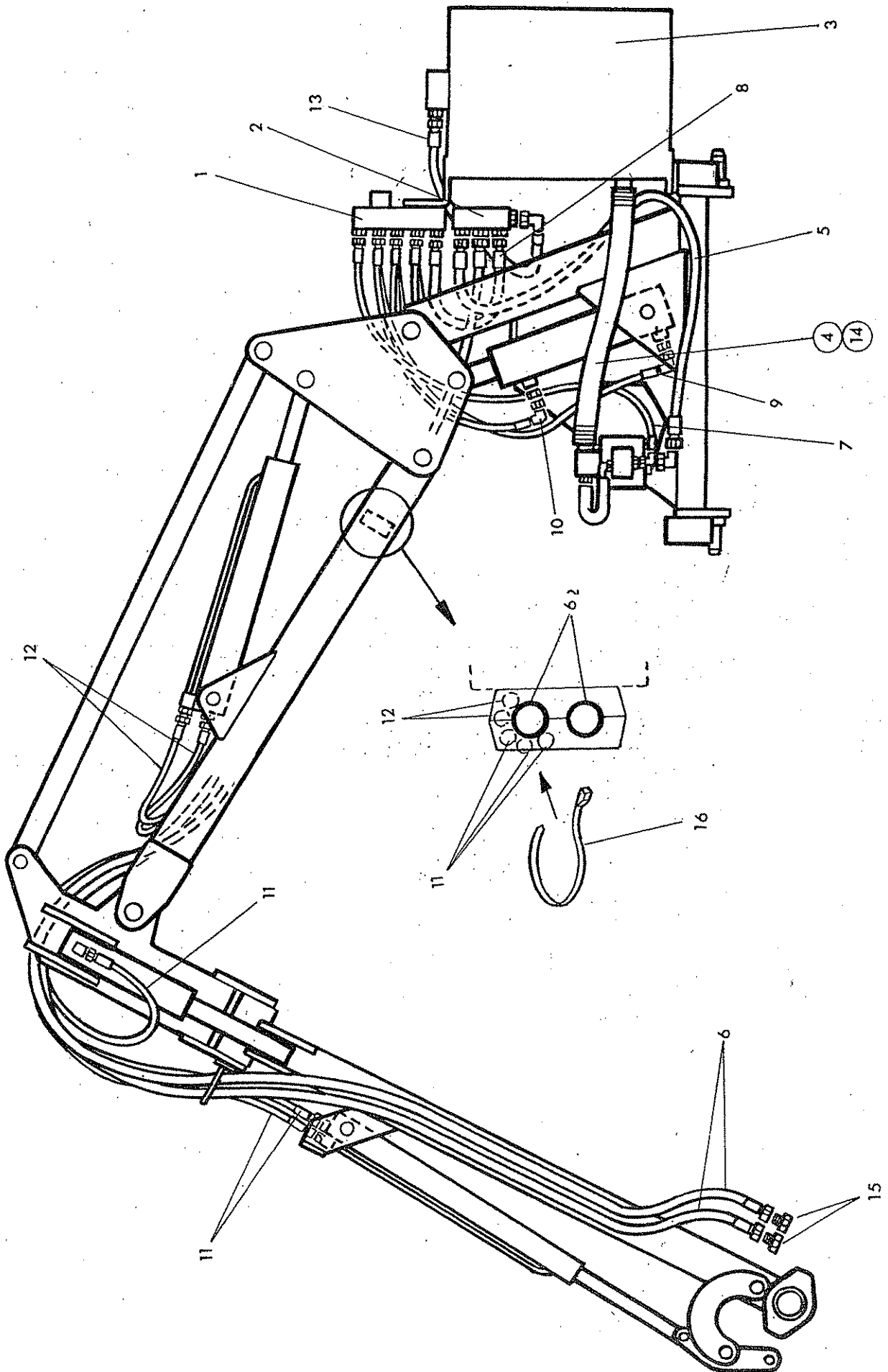
CUTTERBAR ASSEMBLY - GRASS ONLY

32	41473.02	5	Abutment block
33	41474.02	15	Finger




HOSE INSTALLATION – Si Models

REF.	QTY.	PART No.	DESCRIPTION	
		41320.01	HOSE INSTALLATION KIT - Si Models	
1	1		Control Valve	
2	1		Tank	
3	1	8501139	Hose 1 1/4" x 24 long	Suction
4	1	8501250	Hose 5/8" BSP x 52 long FS-F135	Pump to Tank
5	2	8501249	Hose 5/8" BSP x 140 long FS-FS	Flail Hoses
6	1	8531323	Hose 3/8" BSP x 80 long SF-90F	Supply
7	1	8532014	Hose 1/2" BSP x 80 long SF-90F	Return
8	1	8535042	Hose 1/4" BSP x 40 long SF-90F	Lift Base
9	1	8535082	Hose 1/4" BSP x 34 long SF-90F	Lift Gland
10	3	10.001.33	Hose 1/4" BSP x 2300 long SF-SF	Angle & B/way
11	2	8515132	Hose 1/4" BSP x 64 long SF-SF	Reach
12	4	0904107	Hose Clip	
13	2	G3812119	Blanking Cap	
14	1	6000112	Adaptor - MM	
15	1	8581110	Union	
16	2	8650104	Bonded Seal	
17	2	ST134	Plastic Blanking Cap	
18	<i>as req'd</i>	7196045	Hose Tie 300 long	

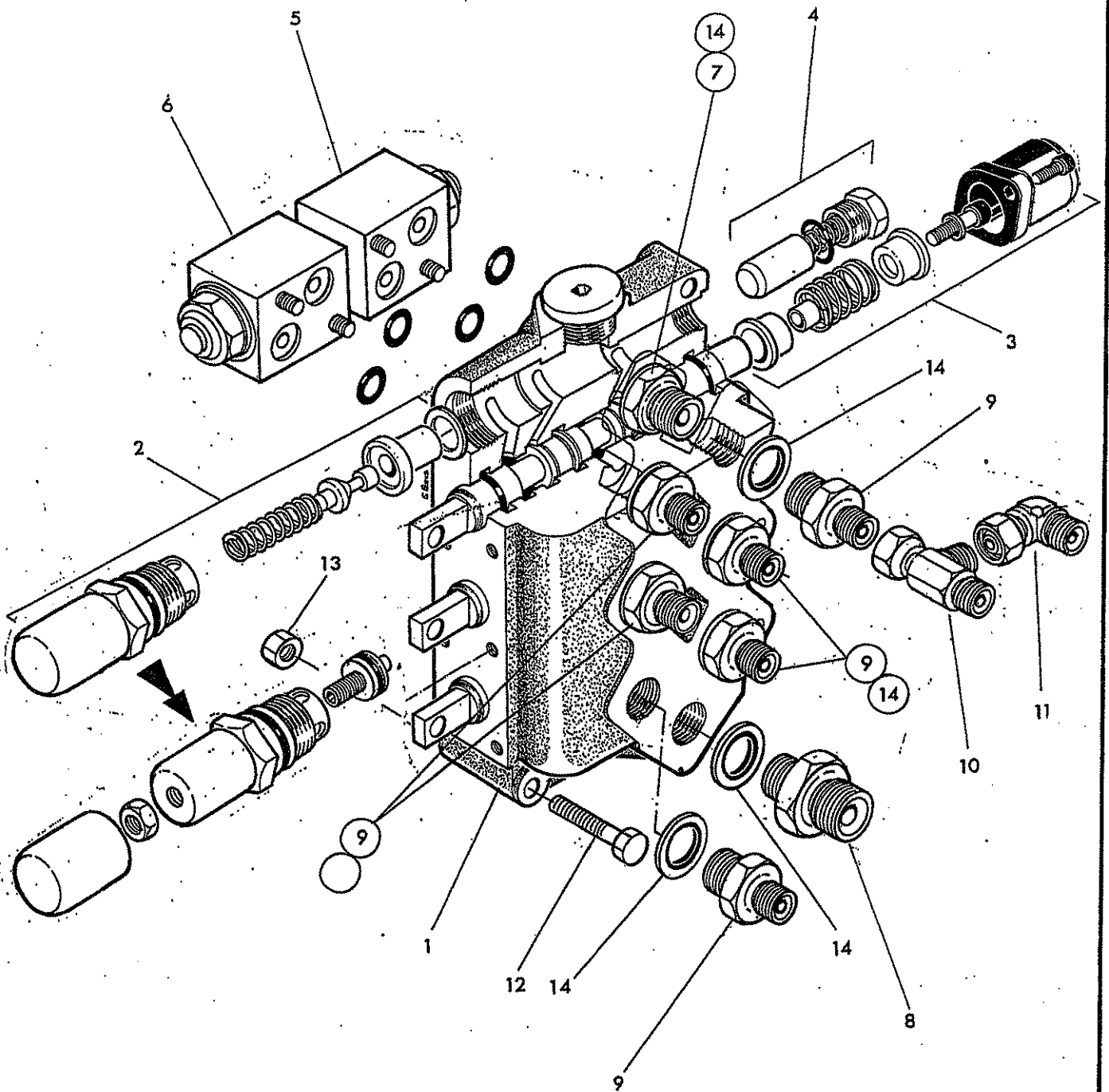


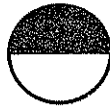

HOSE INSTALLATION – Ti Models

REF.	QTY.	PART No.	DESCRIPTION
ALL TI MODELS			
1	1		Control Valve
2	1		Rotor Control Valve
3	1		Tank
		41320.07	CABLE TI HOSE KIT - L/H Build (R/H Front Mount)
4	1	8501307	Hose 1 1/4" x 560 long Suction
5	1	10.008.12	Hose 5/8" BSP x 600 long FS/F90 Pump to RCV
6	2	8501249	Hose 5/8" BSP x 140 long FS/FS Flail Hoses
7	1	8531243	Hose 3/8" BSP x 51 long FS/F90 Pump to Valve
8	1	8533144	Hose 1/2" BSP x 22 long FS/F90 Valve to RCV
9	1	8535042	Hose 1/4" BSP x 40 long FS/F90 Lift Base
10	1	8535082	Hose 1/4" BSP x 34 long FS/F90 Lift Gland
11	3	10.001.33	Hose 1/4" BSP x 2300 long FS/FS Angle & B/way
12	2	8515132	Hose 1/4" BSP x 64 long FS/FS Reach
13	1	10.008.22	Hose 5/8" BSP x 1200 long FS/F90 RCV to Tank
		41320.08	CABLE TI HOSE KIT - R/H Build (L/H Front Mount)
4	1	8501307	Hose 1 1/4" x 560 long Suction
5*	1	10.008.12	Hose 5/8" BSP x 600 long FS/F90 Pump to RCV
6	2	8501249	Hose 5/8" BSP x 140 long FS/FS Flail Hoses
7	1	8531403	Hose 3/8" BSP x 40 long ST-90 Pump to Valve
8	1	8533144	Hose 1/2" BSP x 22 long FS/F90 Valve to RCV
9	1	8535042	Hose 1/4" BSP x 40 long FS/F90 Lift Base
10	1	8535082	Hose 1/4" BSP x 34 long FS/F90 Lift Gland
11	3	10.001.33	Hose 1/4" BSP x 2300 long FS/FS Angle & B/way
12	2	8515132	Hose 1/4" BSP x 64 long FS/FS Reach
13*	1	10.008.12	Hose 5/8" BSP x 600 long FS/F90 RCV to Tank
* NOTE: For Right Hand build machines items 5 & 13 are identical, therefore Kit 41320.08 contains 2 x hose 10.008.12			
		41320.09	ELECTRIC TI HOSE KIT - L/H & R/H Build
4	1	8501307	Hose 1 1/4" x 560 long Suction
5	1	10.008.12	Hose 5/8" BSP x 600 long FS/F90 Pump to RCV
6	2	8501249	Hose 5/8" BSP x 140 long FS/FS Flail Hoses
7	1	8531403	Hose 3/8" BSP x 40 long ST-90 Pump to Valve
8	1	8533144	Hose 1/2" BSP x 22 long FS/F90 Valve to RCV
9	1	8535042	Hose 1/4" BSP x 40 long FS/F90 Lift Base
10	1	8535082	Hose 1/4" BSP x 34 long FS/F90 Lift Gland
11	3	10.001.33	Hose 1/4" BSP x 2300 long FS/FS Angle & B/way
12	2	8515132	Hose 1/4" BSP x 64 long FS/FS Reach
13	1	10.008.22	Hose 5/8" BSP x 1200 long FS/F90 RCV to Tank
ALL TI MODELS			
14	4	0904107	Hose Clip
15	2	G3812119	Blanking Cap
16	as req'd	7196045	Hose Tie



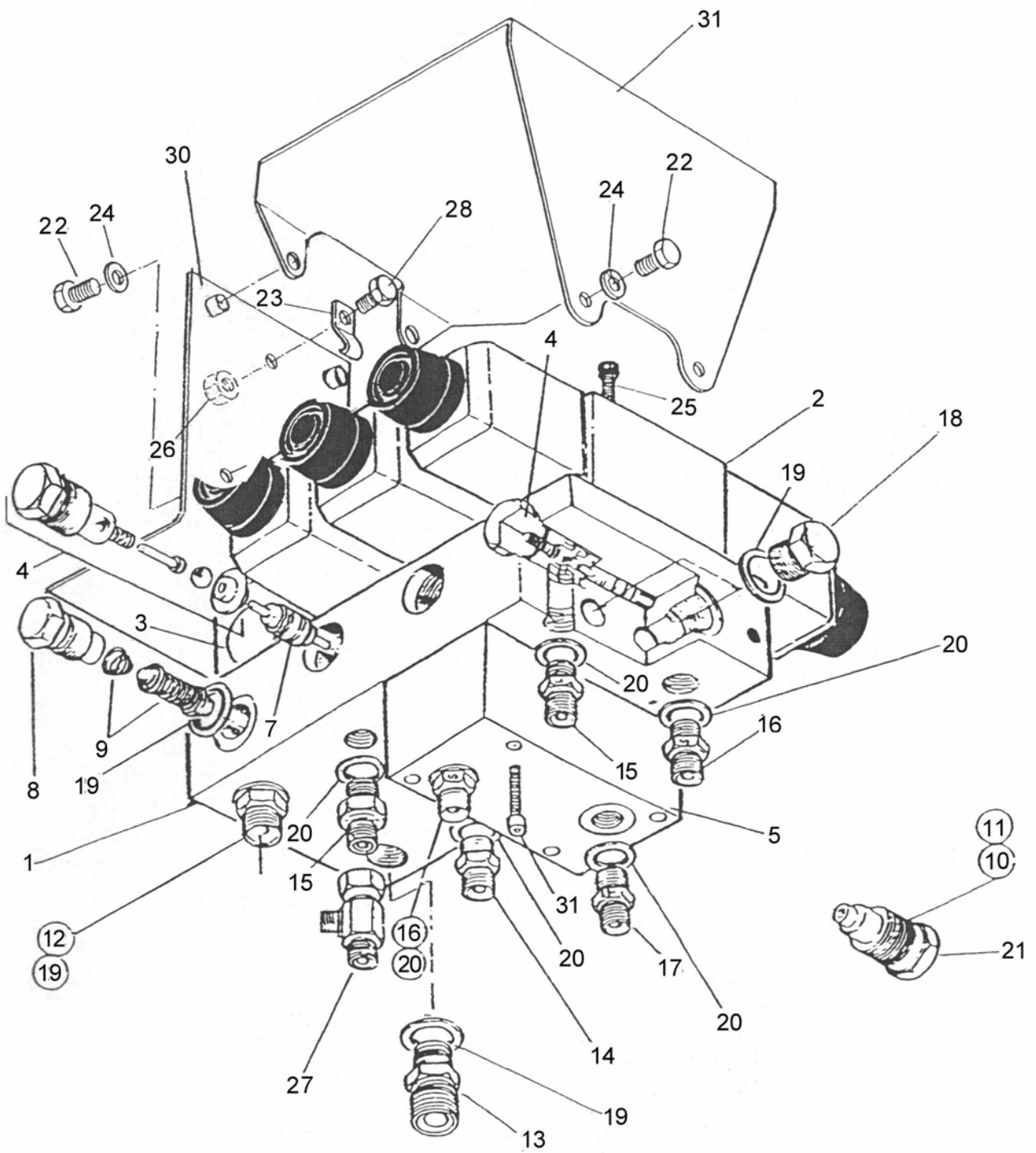
MCCORMICK





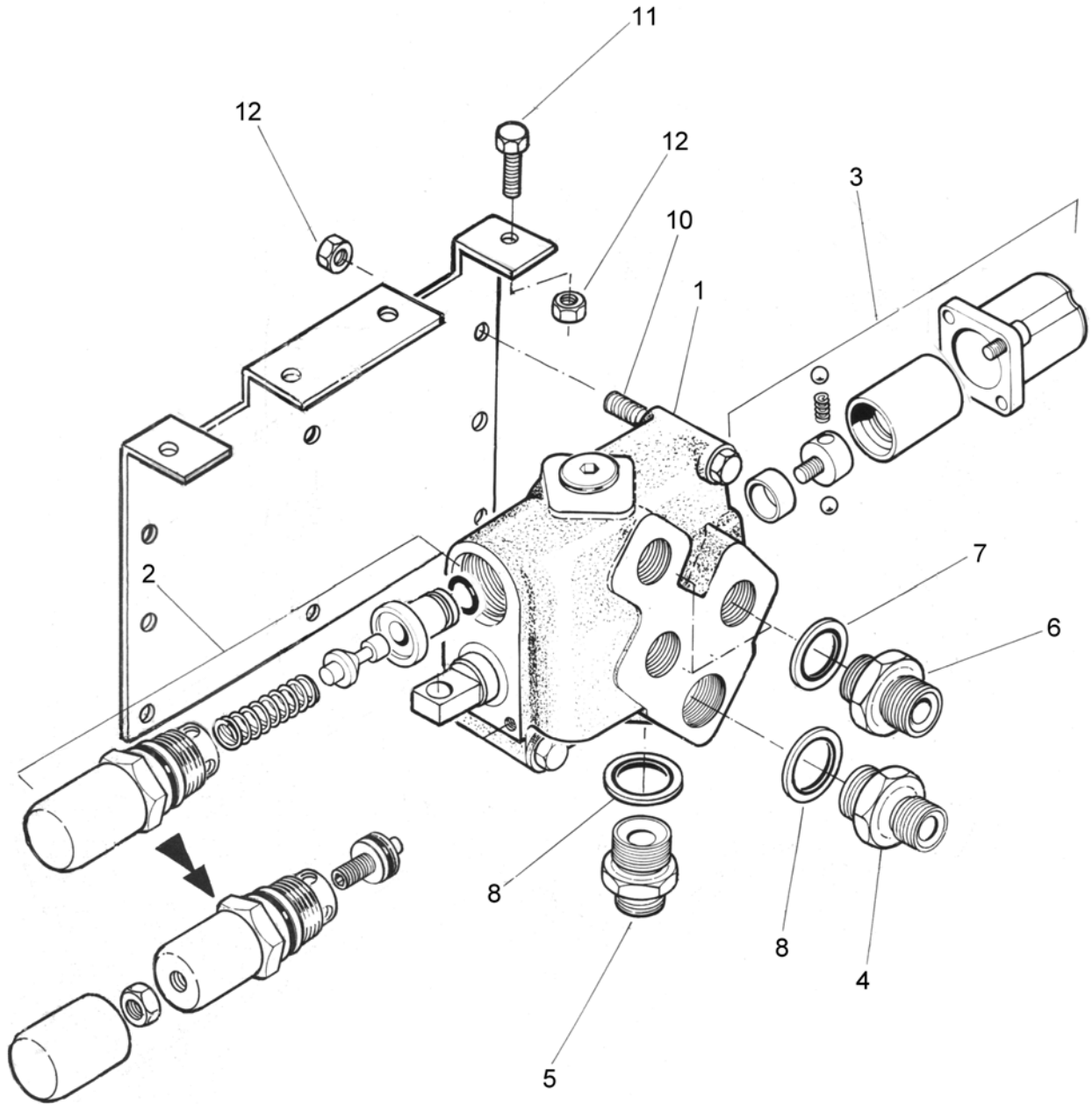
Ref. Part No.	Qty	Description
CONTROL VALVE ASSEMBLY		
1 81 30 324	1	Control valve:
2 G381 2539	1	Main relief valve 160 Bar (2300 Psi)
3 81 30 134	3	Centering spring assembly
4 81 30 022	1	Non return valve assembly
5 81 28 022	1	Service relief valve 175 Bar - Lift base
6 81 28 065	1	Service relief valve 40 Bar Lift gland
7 60 00 113	1	Adaptor 3/8 BSP MM
8 60 00 112	1	Adaptor 3/8 BSP 1/2 BSP MM
9 85 81 115	6	Adaptor 3/8 BSP 1/4 BSP MM
10 85 81 254	1	Tee connector 1/4 BSP MFM
11 85 81 190	1	Elbow-swivel 1/4 BSP MF
12 92 13 144	2	Bolt M8X70
13 91 43 004	2	Self locking nut M8
14 86 50 103	8	Bonded seal 3/8 BSP
86 99 163		SEAL KIT
87 00 510	4	'O' ring

CONTROL VALVE – Ti ELECTRIC




CONTROL VALVE – Ti ELECTRIC

REF.	QTY.	PART No.	DESCRIPTION
		7490787	ELECTRIC TI CONTROL VALVE ASSEMBLY
1	1	8130321	Manifold Block
2	3	8130629	Double Solenoid Valve
3	1	8130456	Single Solenoid Valve
4	5	8130090	Check Valve Assembly
5	1	8130322	Hose Plate
6	4	9243082	Capscrew
7	3	8130087	Actuator
8	1	8130032	Relief Valve Cap
9	1	8130142	Relief Valve c/w Spring (160BAR)
10	1	8709644	Anti Extrusion Ring
11	1	8700644	'O' Ring
12	1	6000113	Union
13	1	6000112	Adaptor
14	1	8581169	Union
15	2	8130038	Restrictor Union
16	2	8130037	Restrictor Union
17	1	8130103	Restrictor Union
18	2	8003001	Plug
19	5	8650103	Seal
20	6	8650102	Seal
21	1	8130078	Plug
22	4	9313034	Setscrew
23	1	7109151	Cable Clamp
24	4	9100204	Washer
25	16	9243062	Capscrew
26	7	9143004	Nut
27	1	8581254	Tee
28	7	9343044	Bolt
29	1	41844.02	Loom
30	1	43497.01	Valve Mounting Plate
31	1	7194277	Valve Cover

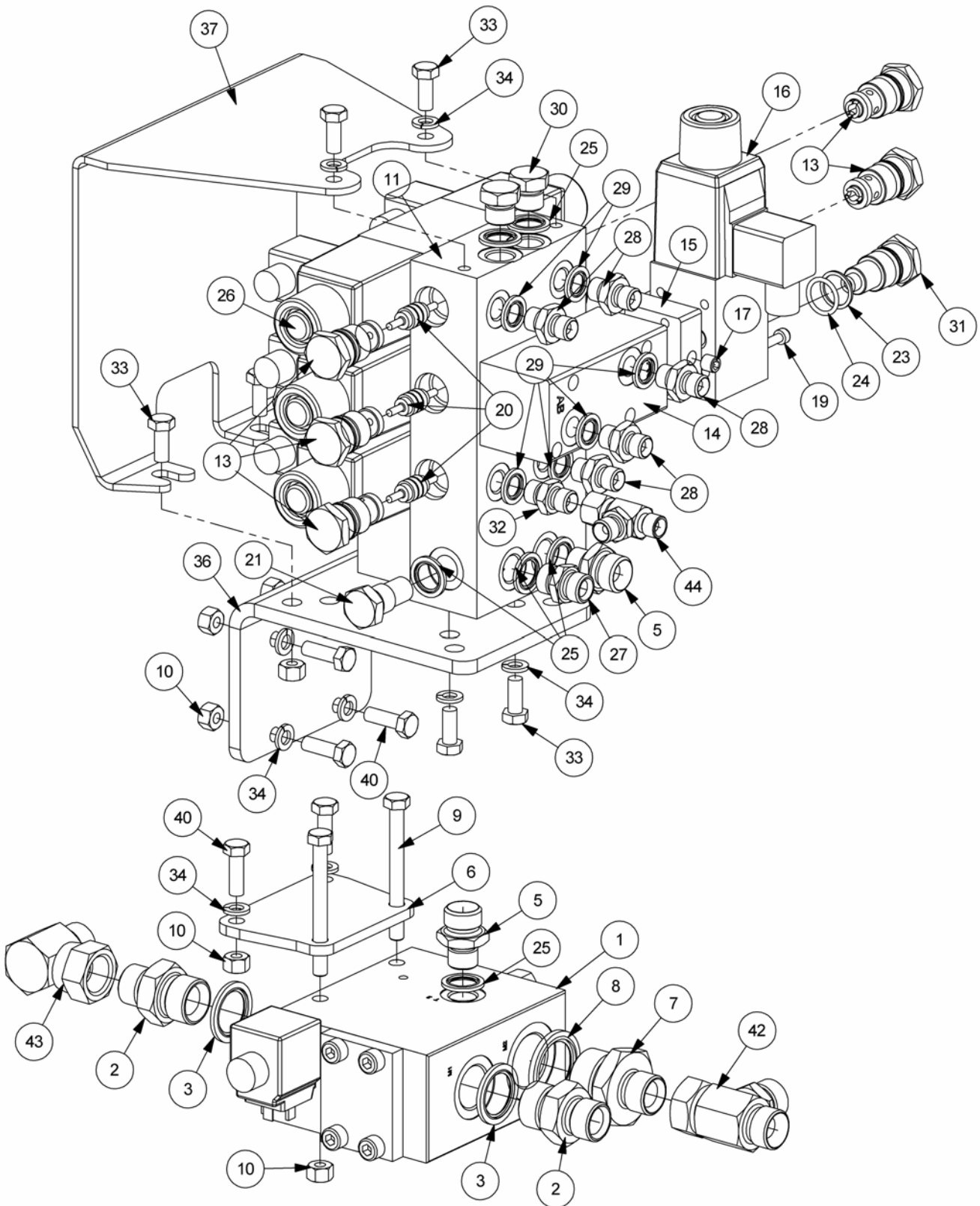


**ROTOR CONTROL VALVE (Ti only)**

REF.	QTY.	PART No.	DESCRIPTION
			ROTOR CONTROL VALVE ASSEMBLY
1	1	8125343	Rotor Control Valve <i>inc:</i>
2	1	8125095	Relief Valve - 3000 psi (210 bar)
3	1	8125109	Spool Detent Assembly
4	1	8581130	Adaptor
5	1	8581270	Adaptor
6	3	8581180	Adaptor
7	3	8650104	Bonded Seal
8	2	8650106	Bonded Seal
9	1	41328.01	Mounting Bracket
10	3	9213164	Bolt
11	2	9313044	Setscrew
12	5	9143004	Self Locking Nut
		8699218	SEAL KIT

PROPORTIONAL ACV/ELEC. RRV

Module:
8130670

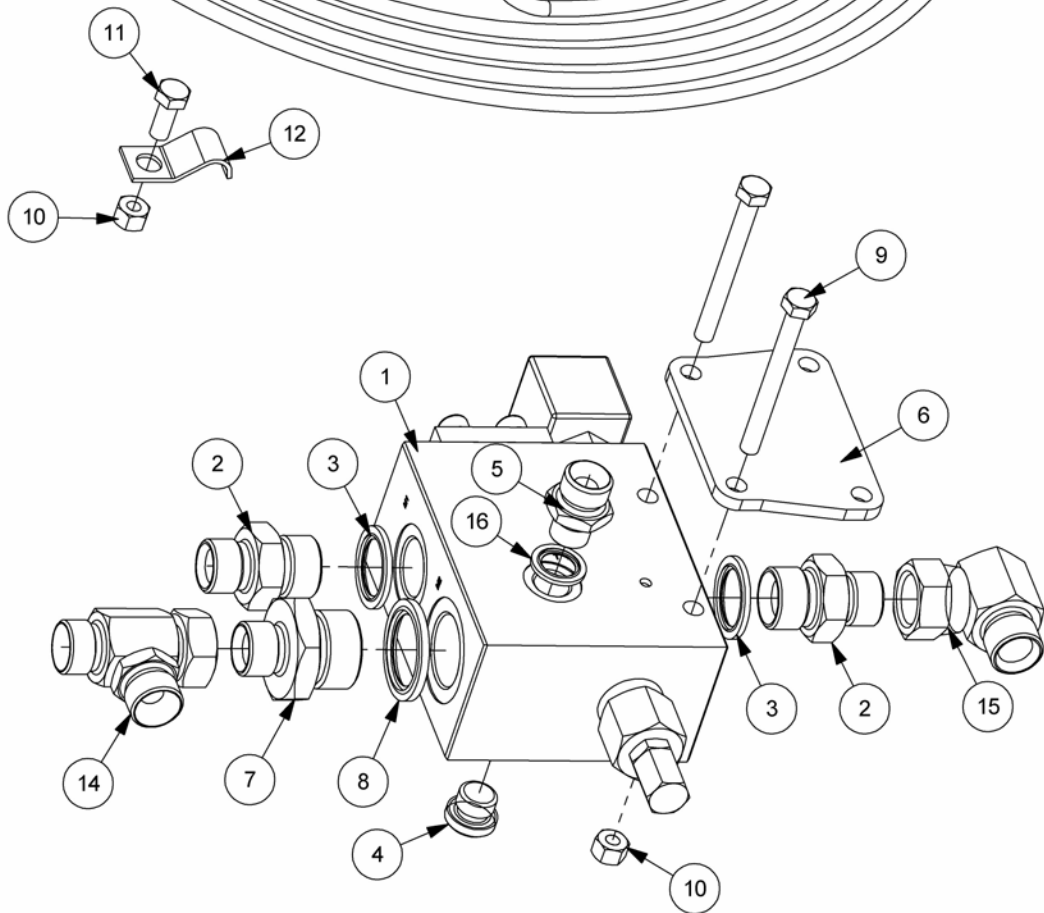
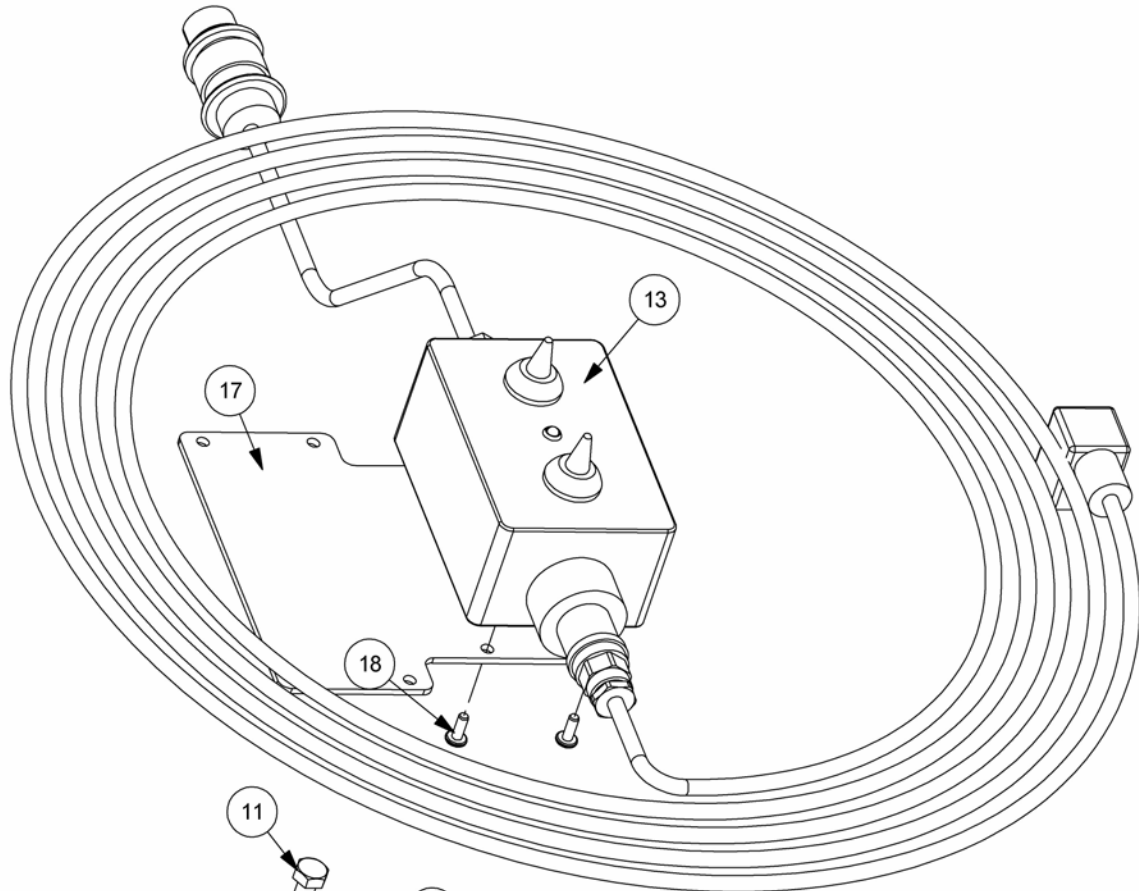



PROPORTIONAL ACV/ELEC. RRV

REF.	QTY.	PART No.	DESCRIPTION
		8130670	PROPORTIONAL ACV / ELEC. RRV
1	1	08.943.01	RELIEF VALVE / DIVERTER
2	2	8581270	ADAPTOR
3	2	8650106	BONDED SEAL
4	1	8581436	PLUG - SOFT SEAL
5	2	6000112	ADAPTOR
6	1	21476.01	RRV BRACKET
7	1	8581378	ADAPTOR
8	1	8650108	BONDED SEAL
9	2	9213164	BOLT
10	11	9143004	SELF-LOCKING NUT
11	1	8130321	BLOCK - 3 FUNCTION MANIFOLD
12	1	8130456	CUT OFF SOLENOID VALVE
13	5	8130090	CHECK VALVE ASSEMBLY
14	1	8130323	FLOAT VALVE BLOCK
15	1	8126280	BRIDGING PLATE
16	1	8130457	SOLENOID VALVE - SINGLE
17	1	8582041	TAPER PLUG
18	4	9243082	CAPSCREW
19	4	9243102	CAPSCREW
20	3	8130087	ACTUATOR
21	1	8130032	RELIEF VALVE CAP
22	1	8130142	RELIEF VALVE - 160BAR
23	1	8709644	BACK UP RING
24	1	8700644	O RING - METRIC
25	6	8650103	BONDED SEAL
26	3	41784.48	DOUBLE SOLENOID PROP. VALVE
27	1	6000113	ADAPTOR
28	5	8581169	ADAPTOR
29	6	8650102	BONDED SEAL
30	2	8003001	ADAPTOR PLUG
31	1	8130078	CHECK VALVE CAP
32	1	8130038	ADAPTOR RESTRICTOR - 1.4 'L'
33	7	9313044	SETSCREW
34	10	9100204	SPRING WASHER
35	16	9243062	CAPSCREW
36	1	43497.01	VALVE MOUNTING PLATE
37	1	7194277	VALVE COVER
38	1	41844.02	LOOM - 14 CORE PLUG IN
39	1	7313282	CAB MOUNTING KIT
40	6	9313054	SETSCREW
41	1	8402338	LOOM - ANGLE FLOAT
42	1	8581460	ADAPTOR TEE
43	1	8581338	ADAPTOR
44	1	8581254	ADAPTOR TEE

ROTOR SWITCHBOX & RRV

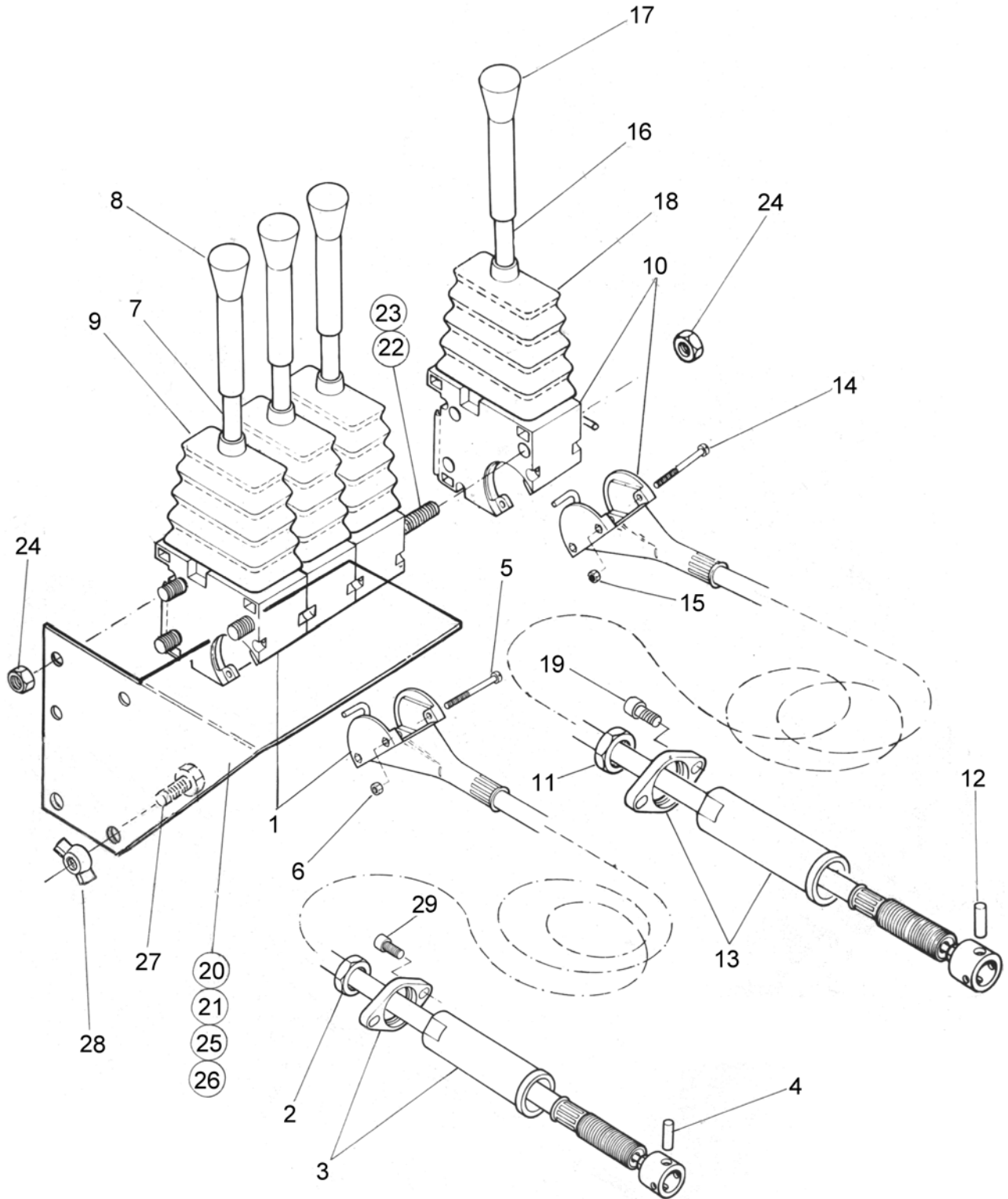
Module:
41351.03 (Component part of Module 8130670)



**ROTOR SWITCHBOX & RRV**

REF.	QTY.	PART No.	DESCRIPTION
		41351.03	PA32 ROTOR SWITCHBOX & RRV
1	1	08.943.01	RELIEF VALVE / DIVERTER
2	2	8581270	ADAPTOR
3	2	8650106	BONDED SEAL
4	1	8581436	PLUG (SOFT SEAL)
5	1	6000112	ADAPTOR
6	1	21476.01	RRV BRACKET
7	1	8581378	ADAPTOR
8	1	8650108	BONDED SEAL
9	2	9213164	BOLT
10	3	9143004	SELF-LOCKING NUT
11	1	9313044	SETSCREW
12	1	7109151	CABLE CLAMP
13	1	41351.03	SWITCH BOX & LOOM
14	1	8581460	ADAPTOR TEE
15	1	8581338	ADAPTOR - 90°
16	1	8650103	BONDED SEAL
17	1	42442.02	BRACKET - ROTOR SWITCH BOX
18	4	2800243	SELF TAPPING SCREW

CONTROL LEVERS & CABLES





CONTROL LEVERS & CABLES

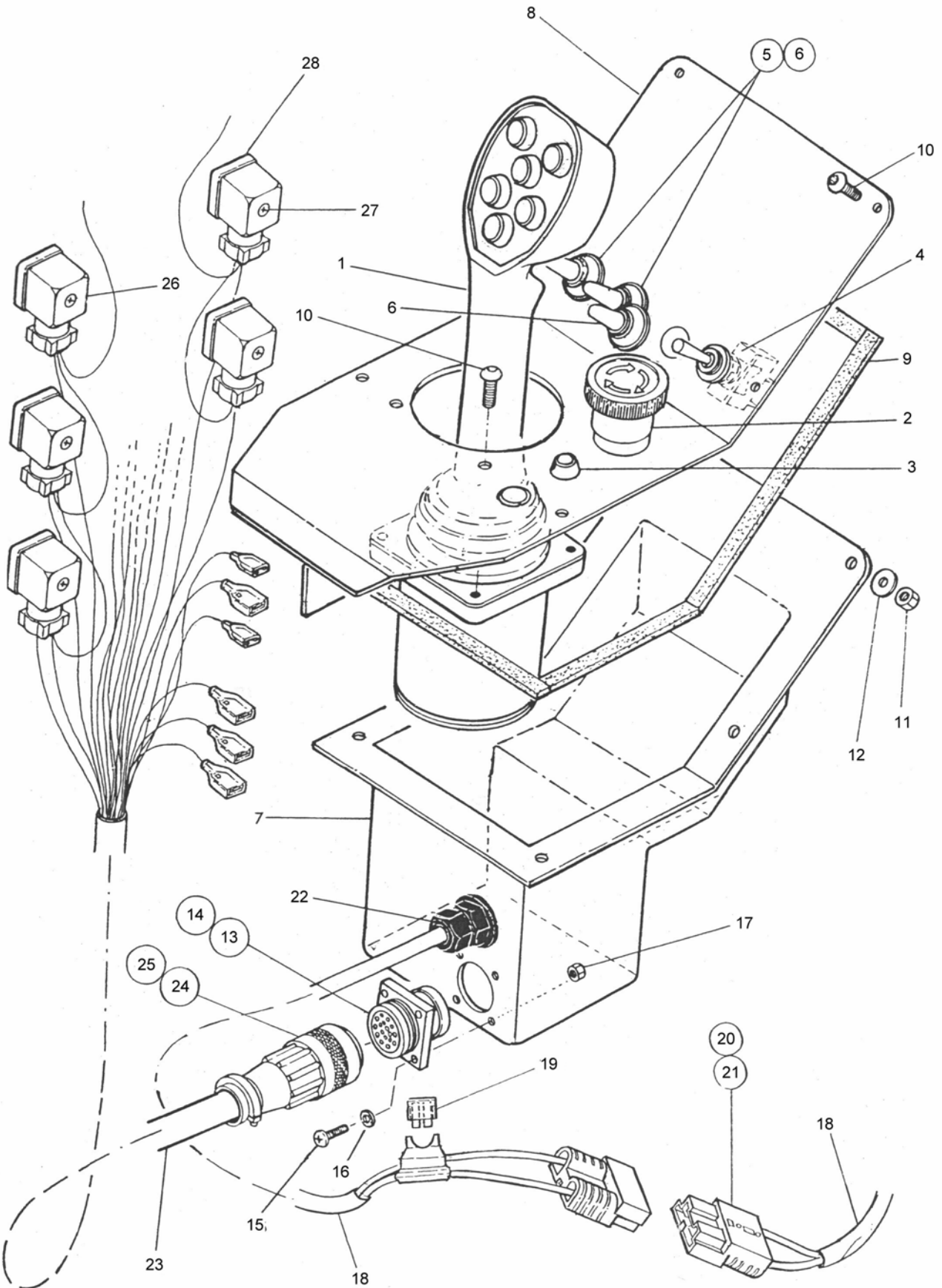
REF.	QTY.	PART No.	DESCRIPTION
			CONTROL LEVERS AND CABLES
			LEVER & CABLE ASSEMBLY (Lift/Reach/Angle)
1	3	8017054	
2	1	8017014	Locknut
3	1	8017013	Flange and Sleeve
4	1	8017016	Spool Eye Pin
5	2	9373081	Screw
6	2	9113001	Nut
7	1	8017023	Lever
8	1	8017027	Knob
9	1	8017026	Weather Gaiter
10	1	8017045	** LEVER & CABLE ASSEMBLY (Rotor Control)
11	1	8017014	** Locknut
12	1	8017021	** Pin
13	1	8017018	** Flange and Sleeve
14	2	9373081	** Screw
15	2	9113001	** Nut
16	1	8017023	** Lever
17	1	09.968.99	** Knob
18	1	8017026	** Weather Gaiter
19	2	9343023	** Capscrew
20	1	09.970.01	** Mounting Bracket - 4 Lever L/H
21	1	09.970.02	** Mounting Bracket - 4 Lever R/H
22	3	04.282.70	** Tie Rod - 4 Lever
23	3	04.282.73	* Tie Rod - 3 Lever
24	3	9143003	Self Locking Nut
25	1	41.181.01	* Mounting Bracket - 3 Lever L/H
26	1	41.181.02	* Mounting Bracket - 3 Lever R/H
27	2	9313034	Setscrew
28	2	9193004	Wingnut
29	6	9343022	Capscrew

* ***Si Models only***

** ***Ti Models only***

MONOLEVER CONTROL & LOOM

MODULE:
8402905




MONOLEVER CONTROL & LOOM

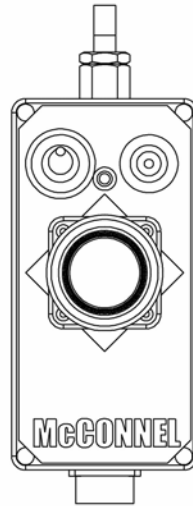
REF.	QTY.	PART NO.	DESCRIPTION
		41590.03	MONOLEVER 6 BUTTON CONTROL ASSEMBLY
1	1	41590.32	Joystick - including Circuit Board
2	1	8402184	Power On/Emergency Stop
3	1	8402174	L.E.D. Main Power On
4	1	8402182	Switch - Slew/Auto Reset
5	2	8402023	Switch - Lift and Angle Float
6	3	8402024	Weather Cover
7	1	7550300	Cover Pod
8	1	7550339	Top Plate
9	1	7290052	Sealing Strip (<i>cut to suit</i>)
10	10	9300125	Screw - Button Head
11	6	9143003	Self Locking Nut
12	6	9100103	Washer
13	1	8402189	Socket Shell
14	14	8402192	Socket Pin - Female
15	4	9200007	Screw - Posidrive Panhead
16	4	9100400	External Serrated Washer
17	4	9100013	Nut - Plated
18	1	8402232	Power Loom <i>inc:</i>
19	1	43034.03	Fuse
20	2	8402230	Contact Housing
21	4	8402229	Contacts
22	1	8402042	Gland
23	1	41844.01	Wiring Loom <i>inc:</i>
24	1	8402188	Shell
25	1	8402190	Cable Clamp
26	12	07.835.04	Plug <i>inc:</i>
27	1	07.835.03	Screw
28	1	07.835.02	Gasket
29	1	8402193	Special Tool

CONTROL BOX - Mini Single Lever

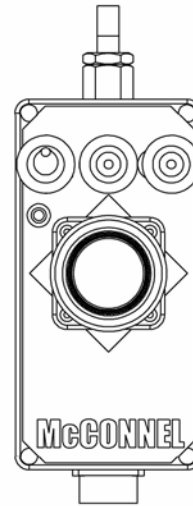
Modules:

- 8402390 – 3 Service B/B 2 Switch
- 8402391 – 3 Service Prop. B/B 2 Switch
- 8402392 – 3 Service Prop. B/B 3 Switch
- 8402393 – 3 Service Prop. 3 Switch

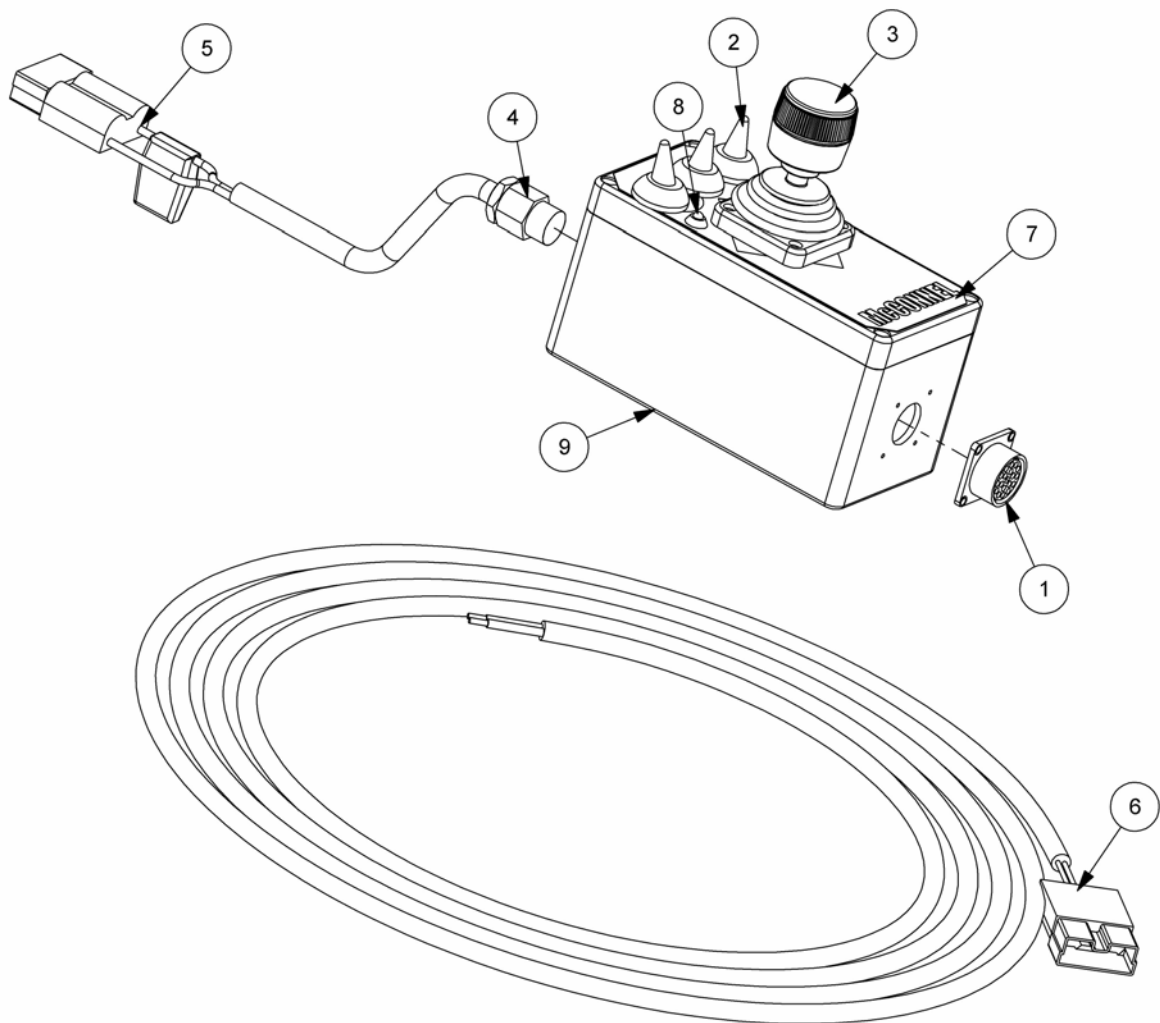
8402393 Illustrated




8402390 & 8402391



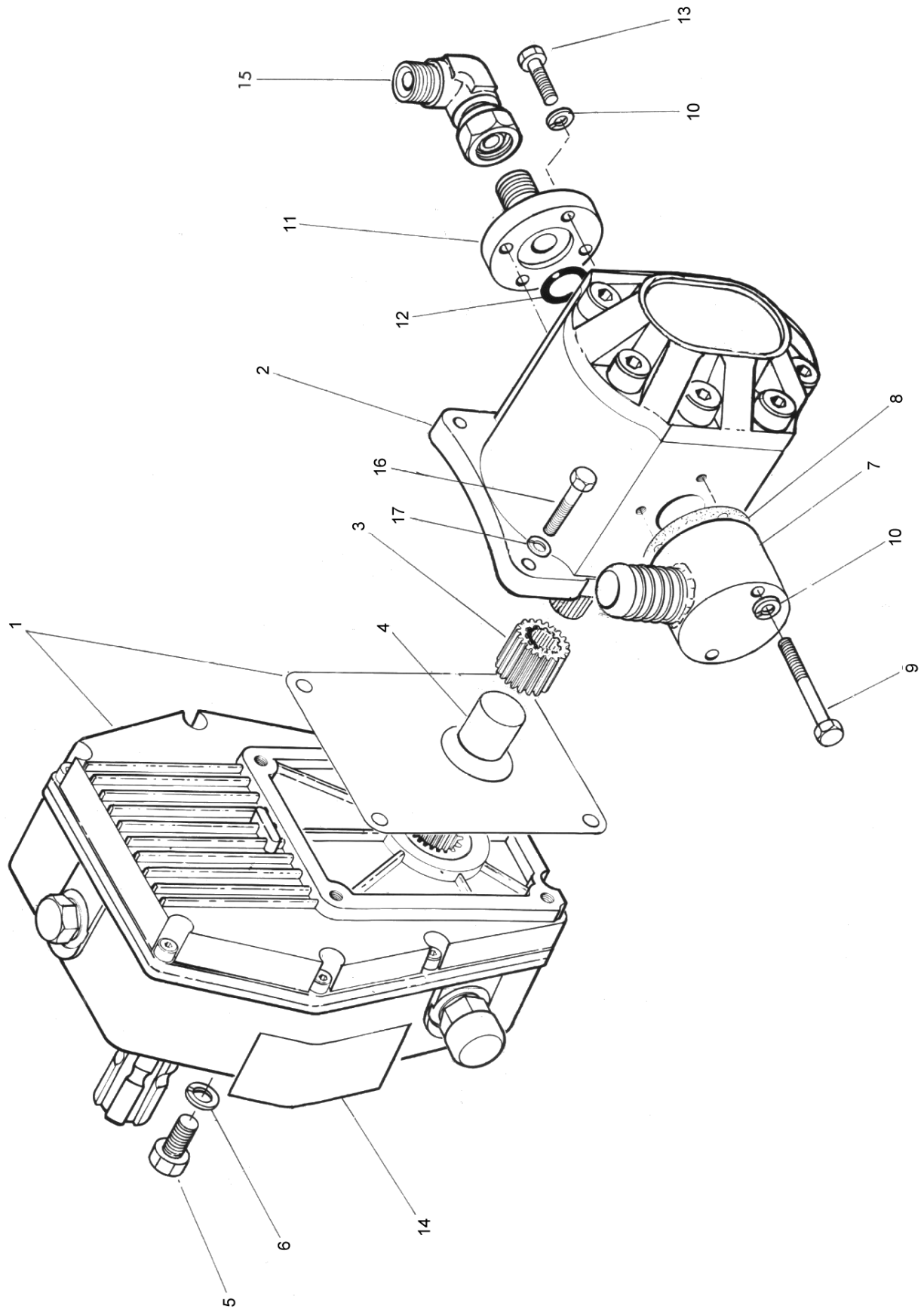
8402392 & 8402393




CONTROL BOX - Mini Single Lever

REF.	QTY.	PART No.	DESCRIPTION
		8402390	CONTROL BOX - B/B 2 Switch
		8402391	CONTROL BOX - Prop. B/B 2 Switch
		8402392	CONTROL BOX - Prop. B/B 3 Switch
		8402393	CONTROL BOX - Prop. 3 Switch
1	1	8402189	PANEL MTG SHELL
2	3*	8402024	SWITCH COVER
3	1	8402246	JOYSTICK (4 AXIS)
4	1	8402149	GLAND - PLASTIC
5	1	43022.47	CONNECTOR
6	1	8402237	LOOM POWER SUPPLY
7	1	1290494	DECAL - SWITCH BOX
8	1	41845.41	LED
9	1	8402349	CONTROL BOX
10	1	43034.02	BLADE FUSE - 20 amp

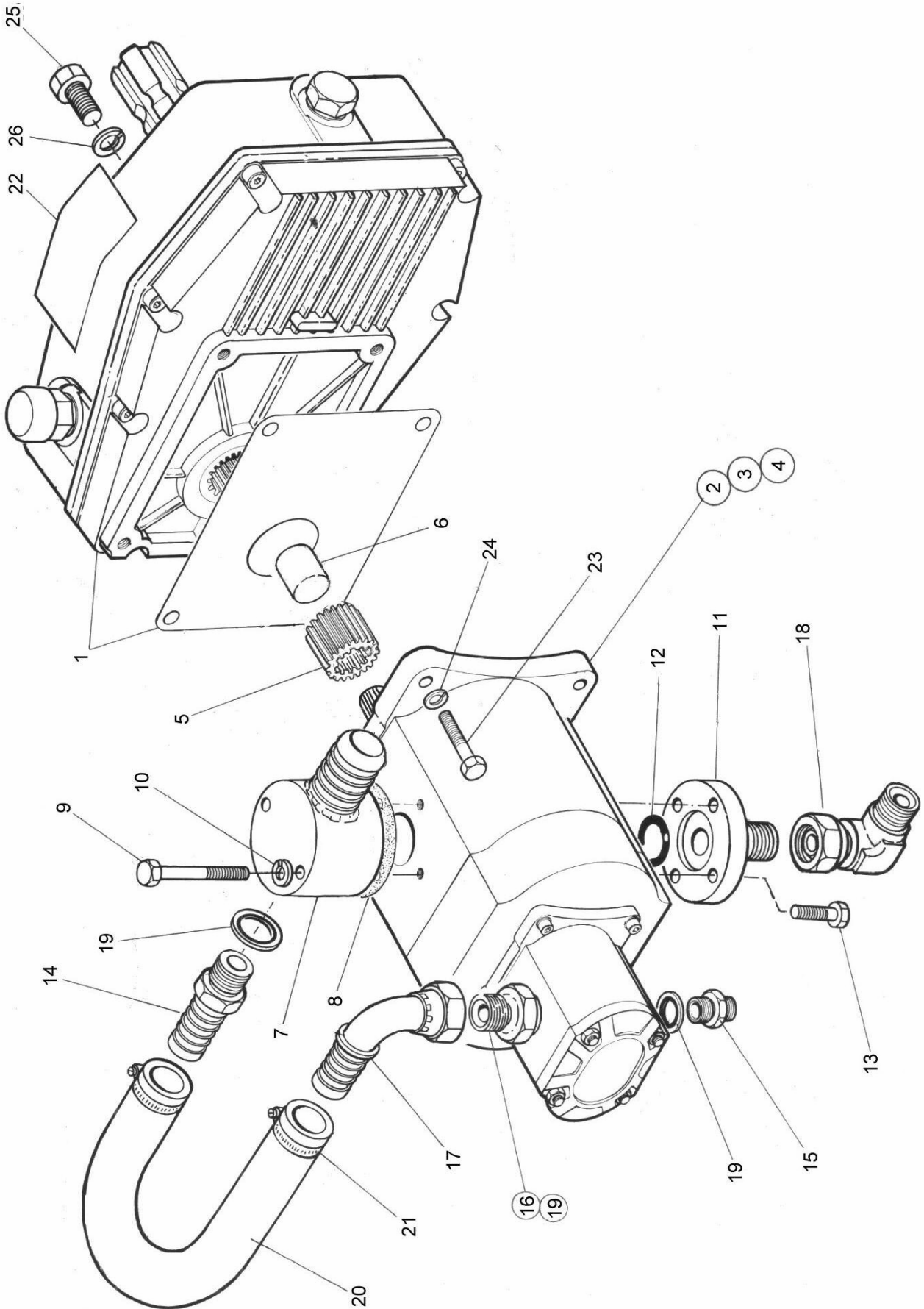
* Control Boxes 8402390 & 8402391 use 2 off only




PUMP & GEARBOX – Si Models


REF.	QTY.	PART No.	DESCRIPTION
			PUMP & GEARBOX ASSEMBLY - Si Models
1	1	8013443	Gearbox Assembly
2	1	8201463	Pump
3	1	8013097	Coupling
4	1	42415.02	Spacer
5	4	9313046	Setscrew
6	4	9100206	Spring Washer
7	1	8012022/B	Suction Connection
8	1	8013023	Gasket
9	2	9213144	Bolt
10	6	9100204	Spring washer
11	1	8013083	Pressure Connection
12	1	8600119	'O' Ring
13	4	9313054	Setscrew
14	1	1290030	Sticker
15	1	8581338	Elbow - Swivel
16	4	9213095	Bolt
17	4	9100205	Spring Washer
		8699231	PUMP SEAL KIT

PUMP & GEARBOX – Ti Models

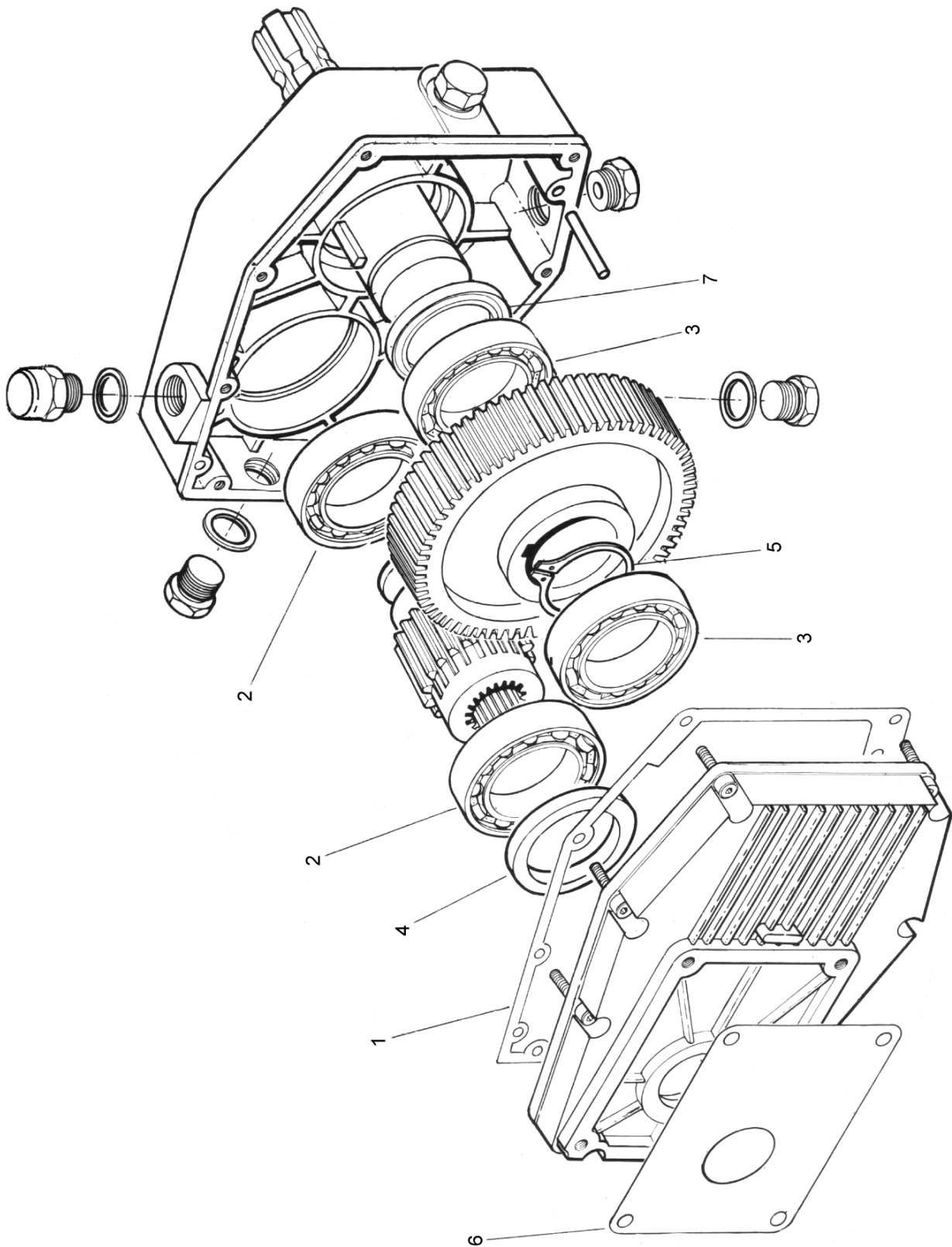




PUMP & GEARBOX – Ti Models

REF.	QTY.	PART No.	DESCRIPTION
		41317.01	TI PUMP & GEARBOX ASSEMBLY - L/H Build
		41317.06	TI PUMP & GEARBOX ASSEMBLY - R/H Build
1	1	 8013443	Gearbox Assembly
2	1	8201693	Tandem Pump for Front Mount Models (ACW)
	1	8201466	Tandem Pump for Std. Models - <i>comprising of:</i>
3	1	8201684	Large Pump
4	1	8201677	Small Pump
5	1	8013097	Coupling
6	1	42415.02	Spacer
7	1	8013082	Suction Connection
8	1	8013023	Gasket
9	2	9213144	Bolt
10	2	9100204	Spring Washer
11	1	8013083	Pressure Connection
12	1	8600119	'O' Ring
13	4	9300147	Setscrew
14	1	8002059	Adaptor - low pressure
15	1	6000112	Adaptor
16	1	G3812120	Adaptor
17	1	8581173	Elbow - <i>low pressure</i>
18	1	8581338	Elbow - <i>swivel</i>
19	2	8650104	Bonded Seal
20	1	8501099	Hose - 5/8" bore x 13" long
21	2	0904204	Hose Clips
22	1	1290030	Gearbox Label
23	4	9213095	Bolt
24	4	9100205	Spring Washer
25	4	9313046	Setscrew
26	4	9100206	Spring Washer
		8699231	PUMP SEAL KIT

GEARBOX ASSEMBLY



**GEARBOX ASSEMBLY**

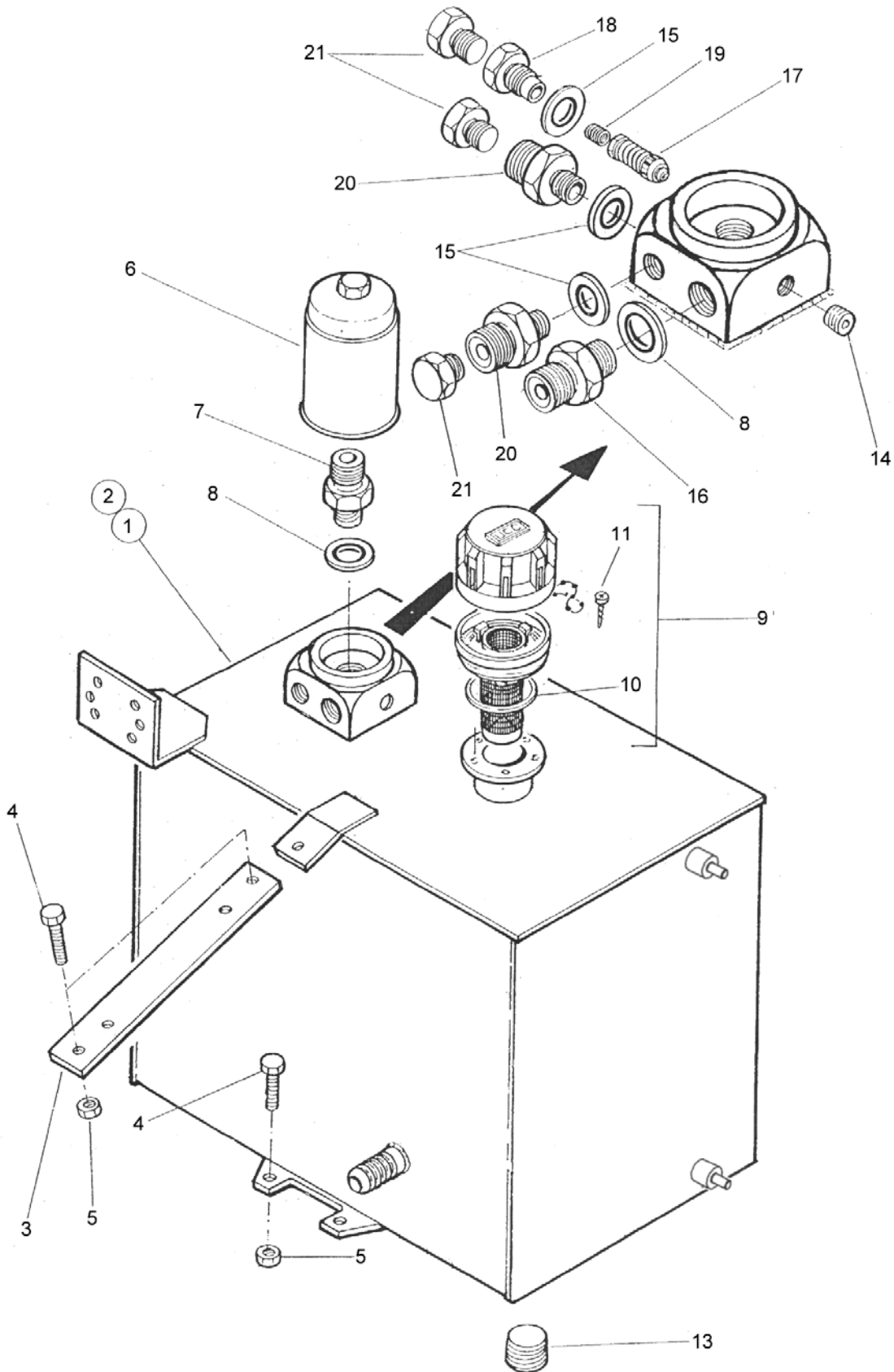
REF.	QTY.	PART No.	DESCRIPTION
		8013443	GEARBOX ASSEMBLY
1	1	8013087	Gearbox Casing Sealing Gasket
2	2	0600047	Bearing
3	2	0600048	Bearing
4	1	8629139	Seal
5	1	0401250	External Circlip
6	1	9013056	Pump Face Gasket
7	1	8629134	Seal

HYDRAULIC TANK ASSEMBLY

MODULES:

7490779 – L/H Build

7490780 – R/H Build

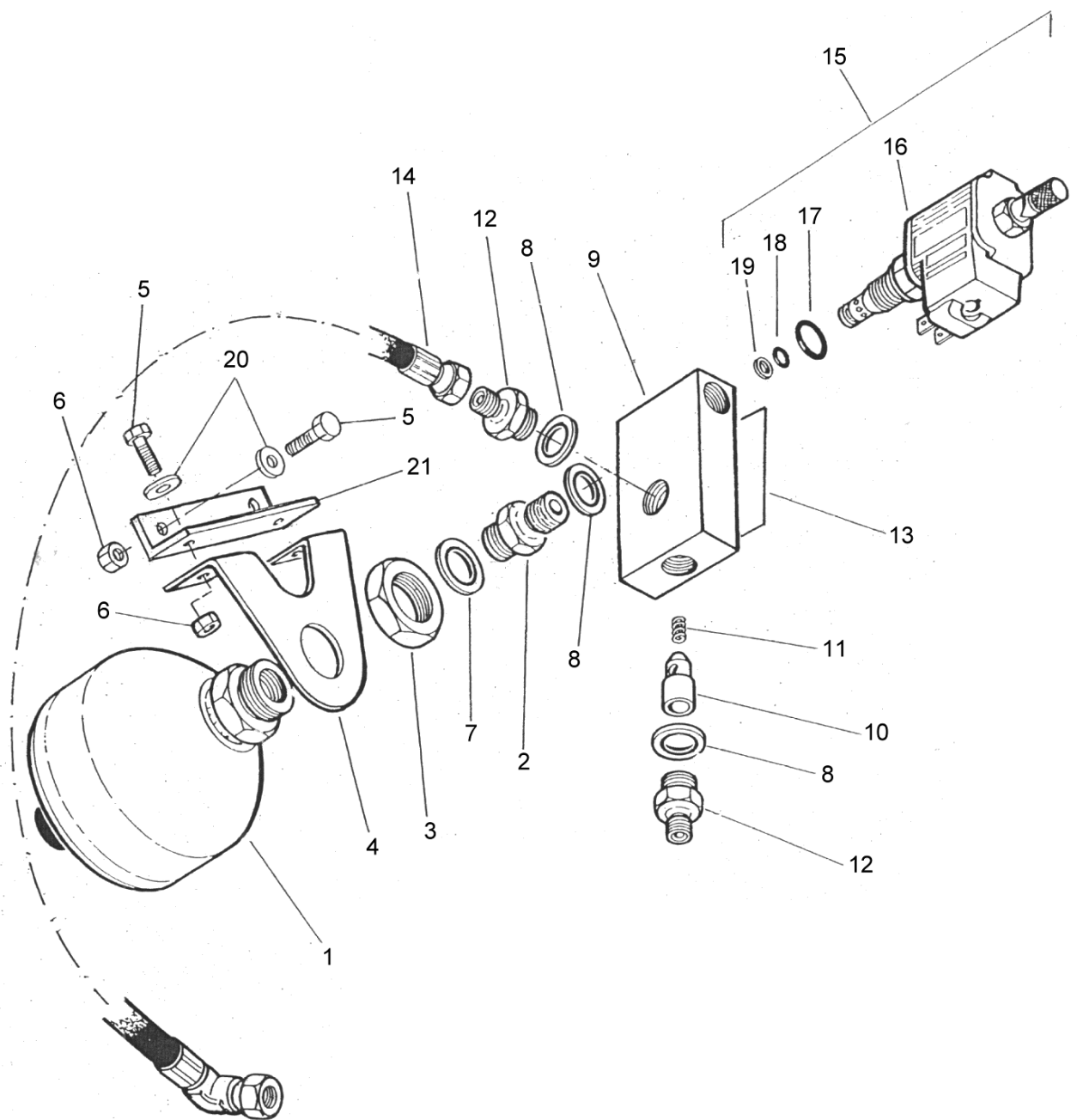




HYDRAULIC TANK ASSEMBLY

REF.	QTY.	PART No.	DESCRIPTION
		7490779	HYDRAULIC OIL TANK ASSEMBLY - L/H Build
		7490780	HYDRAULIC OIL TANK ASSEMBLY - R/H Build
1	1	41196.05	Tank - L/H (<i>Right Hand on Front Mounted Models</i>)
2	1	41196.06	Tank - R/H (<i>Left Hand on Front Mounted Models</i>)
3	1	41204.01	Tank Strap
4	4	9313065	Setscrew
5	4	9143005	Self Locking Nut
6	1	8401045	Filter
7	1	8581174	Adaptor
8	2	8650104	Bonded Seal
9	1	8401014	Filler/Breather Assembly - <i>comprising of:</i>
10	1	8401017	Gasket
11	6	0300082	Screw - Self Tapping
12	2	9100205	Spring Washer
13	1	8581203	Drain plug
14	1	8582042	Plug
15	3	8650103	Bonded Seal
16	1	G381.2120	Adaptor
17	1	8130030	Relief Valve
18	1	8130031	Relief Valve Housing
19	1	8116011	Spring
20	2	8581175	Adaptor
21	3	8003001	Blanking Plug - <i>Ti only</i>

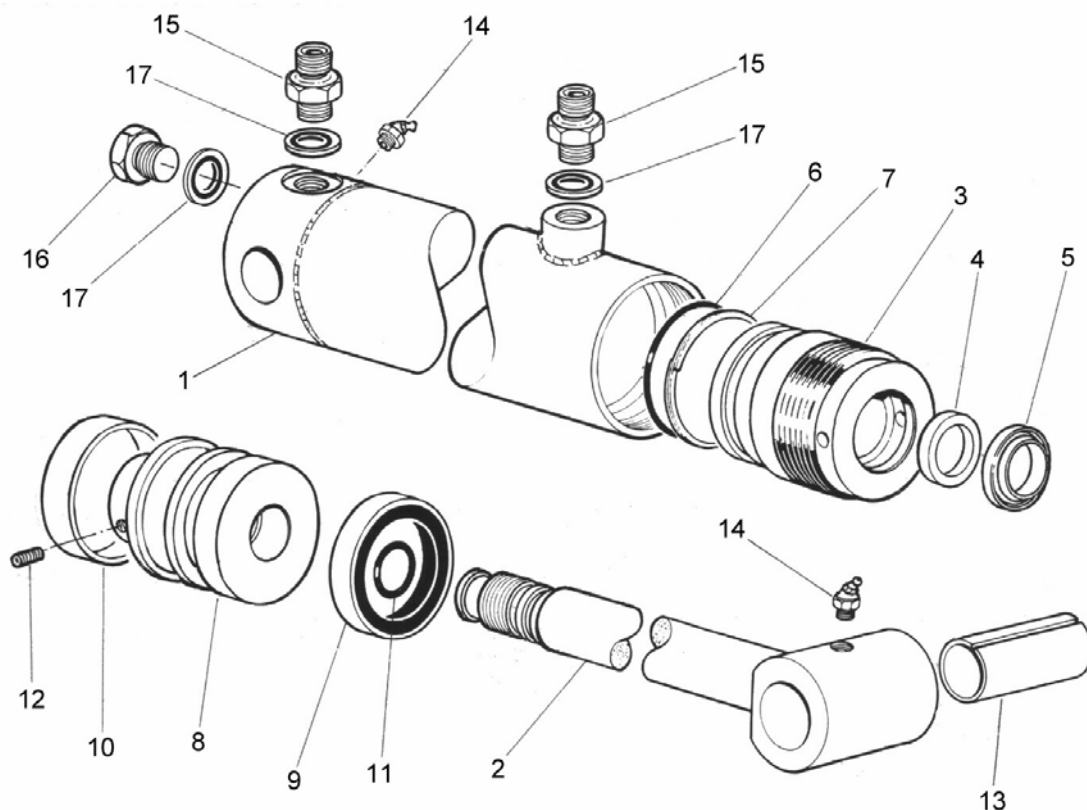
} *Si only*




LIFT FLOAT KIT – Quick Response

REF.	QTY.	PART No.	DESCRIPTION
		8126291	LIFT FLOAT KIT - Quick Response
1	1	8126042	Accumulator
2	1	G2410380	Adaptor
3	1	8126035	Bulkhead Nut
4	1	8126286	Bracket
5	4	9313054	Setscrew
6	4	9143004	Self Locking Nut
7	1	8650322	Bonded Seal
8	3	8650103	Bonded Seal
9	1	8126287	Control Block
10	1	8126037	Response Piston
11	1	8116011	Spring
12	2	8581115	Adaptor
13	1	1290061	Operating Sticker
14	1	8535012	Hose 1/4" BSP x 12" Long SF/90F
15	1	8130183	Poppet Valve <i>inc:</i>
16	1	8130184	Coil
17	1	8700017	'O' Ring
18	1	8700511	'O' Ring
19	1	8709511	Anti Extrusion Ring
20	2	9100104	Plain Washer
21	1	8126306	Mounting Bracket

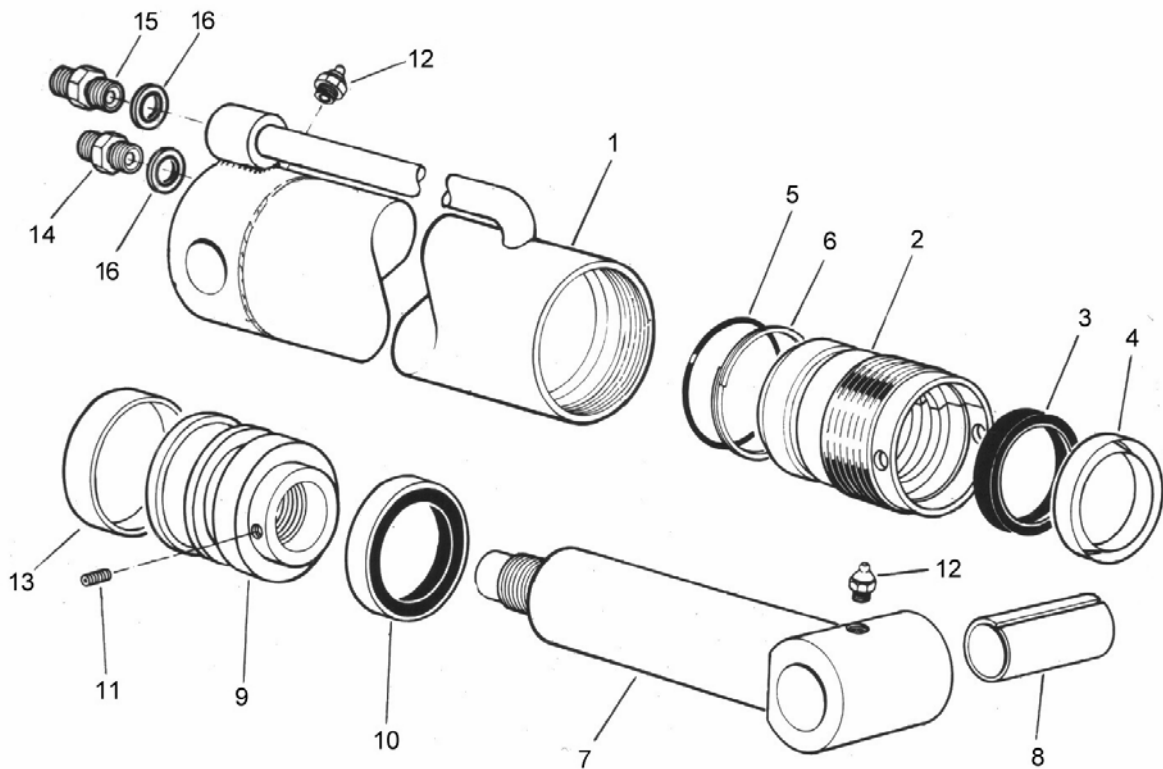
LIFT RAM ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
		41014.03	LIFT RAM ASSEMBLY
1	1	41034.01	Ram Barrel
2	1	41035.01	Piston Rod
3	1	7120384	Gland Housing
4	1	8629164	Gland Seal
5	1	8629147	Piston Rod Wiper Seal
6	1	8600429	'O' Ring
7	1	8609429	Anti Extrusion Ring
8	1	7120383	Piston
9	1	8629189	Piston Seal
10	1	8629190	Guide Ring
11	1	8600403	'O' Ring
12	1	9363023	Grub Screw
13	1	7105050	Bush
14	2	0901124	Greaser
15	2	03.028.08	Restrictor Union
16	1	8003001	Plug
17	3	8650103	Bonded Seal

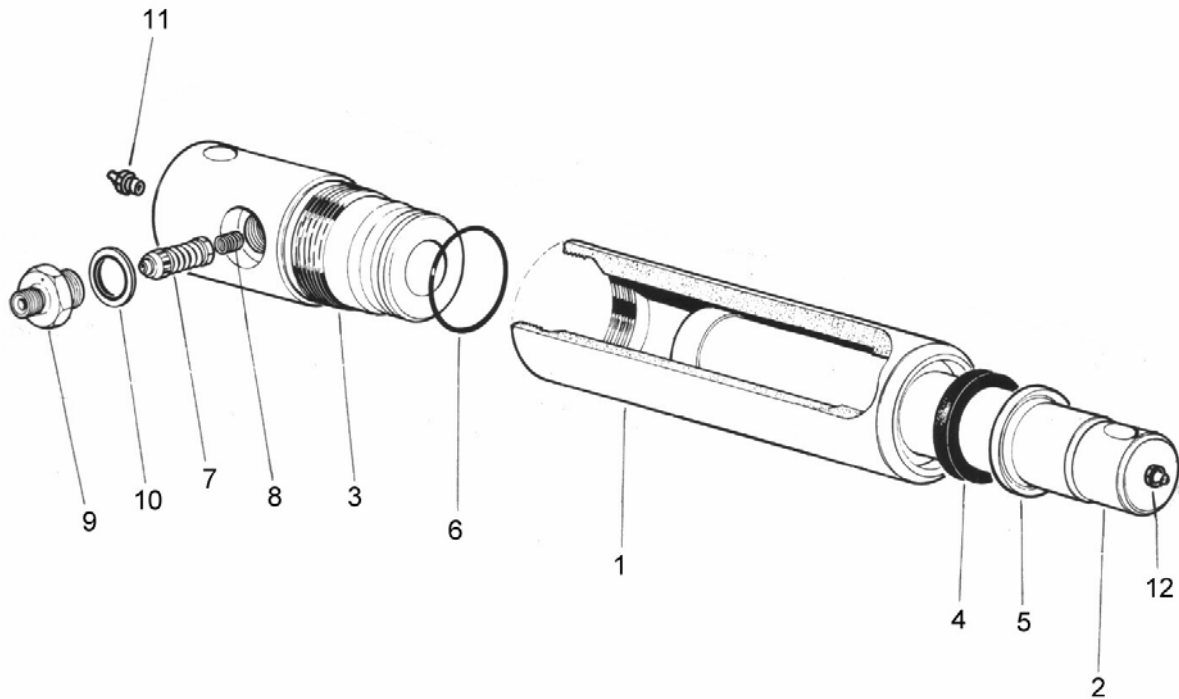
8699228 SEAL KIT

REACH RAM ASSEMBLY



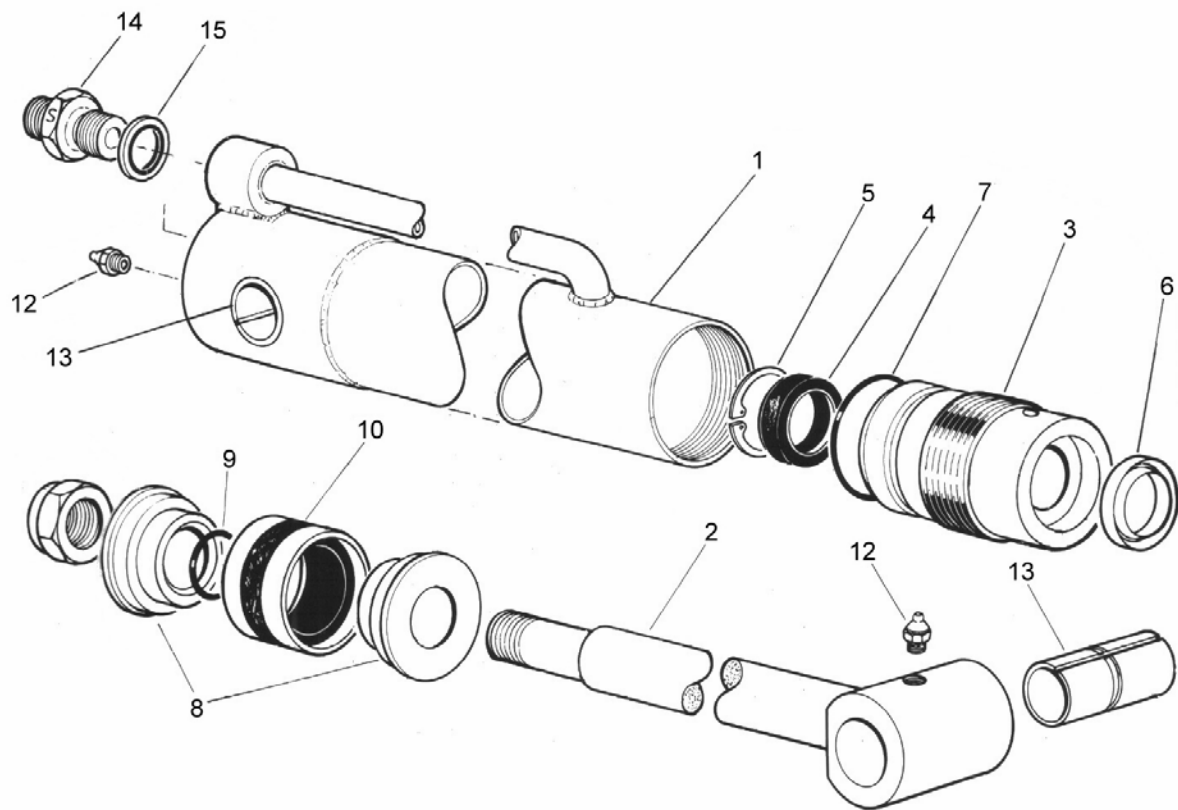
REF.	QTY.	PART No.	DESCRIPTION
		41015.03	REACH RAM ASSEMBLY
1	1	41036.01	Ram Barrel
2	1	1186512	Gland Housing
3	1	8629164	Gland Seal
4	1	8629147	Piston Rod Wiper Seal
5	1	8600306	'O' Ring
6	1	8609306	Anti Extrusion Ring
7	1	41037.01	Piston Rod
8	1	7105050	Bush
9	1	7120368	Piston
10	1	8629156	Piston Seal
11	1	9363023	Grub Screw - Socket Headed
12	2	0901121	Greaser - Straight
13	1	8627157	Guide Ring
14	1	8130046	Restrictor Union
15	1	8130066	Restrictor Union
16	2	8650103	Bonded seal

8699217 SEAL KIT

BREAKAWAY RAM ASSEMBLY

REF.	QTY.	PART No.	DESCRIPTION
		41322.02	BREAKAWAY RAM ASSEMBLY
1	1	7191308	Ram Barrel
2	1	7191051	Rod
3	1	7191299	Ram Base
4	1	8629158	Rod Seal
5	1	8529152	Wiper Seal
6	1	8600302	'O' Ring
7	1	8130189	Relief Valve
8	1	8116011	Spring
9	1	8130083	Relief Valve Body
10	1	8650104	Bonded Seal
11	2	0901121	Greaser

ANGLING RAM ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
		7191072	ANGLING RAM ASSEMBLY
			Basic Ram comprising of:
1	1	7191295	Cylinder
2	1	1090031	Piston Rod
3	1	1090273	Gland Nut
4	1	8629162	Gland Seal
5	1	0416234	Circlip
6	1	8629161	Wiper Ring
7	1	8600123	'O' Ring
8	2	1090034	Piston
9	1	8600112	'O' Ring
10	1	8629160	Piston seal
11	1	0141007	Self-Locking Nut
12	1	0901121	Greaser
13	2	1090005	Bush
14	2	8130037	Restrictor Union 'S'
15	2	8650102	Bonded Seal

8699202 SEAL KIT

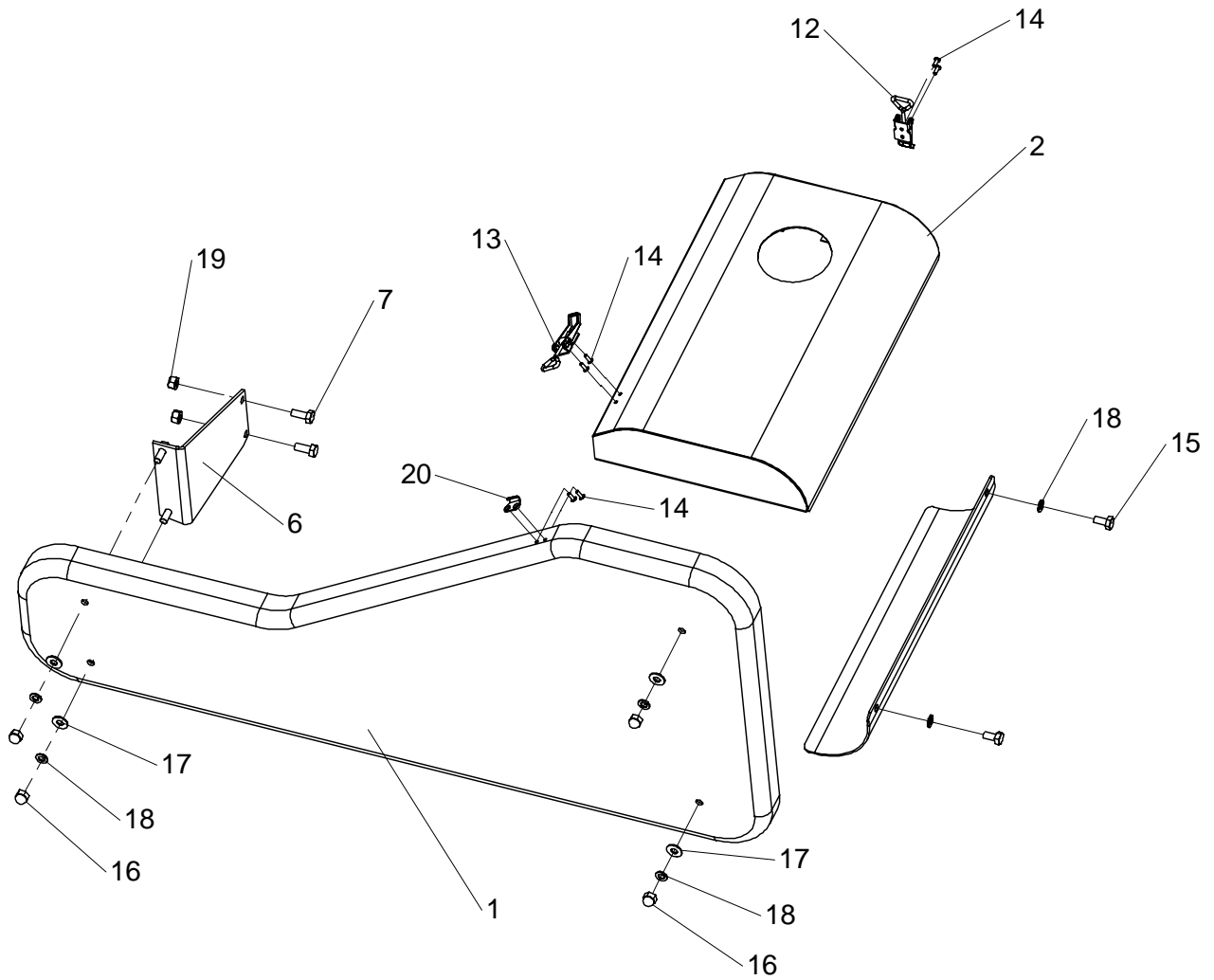
Assembly Note: Assemble locknut onto rod using 'Permabond A113' or similar medium strength thread locking compound.

REAR COVERS ASSEMBLY

MODULES:

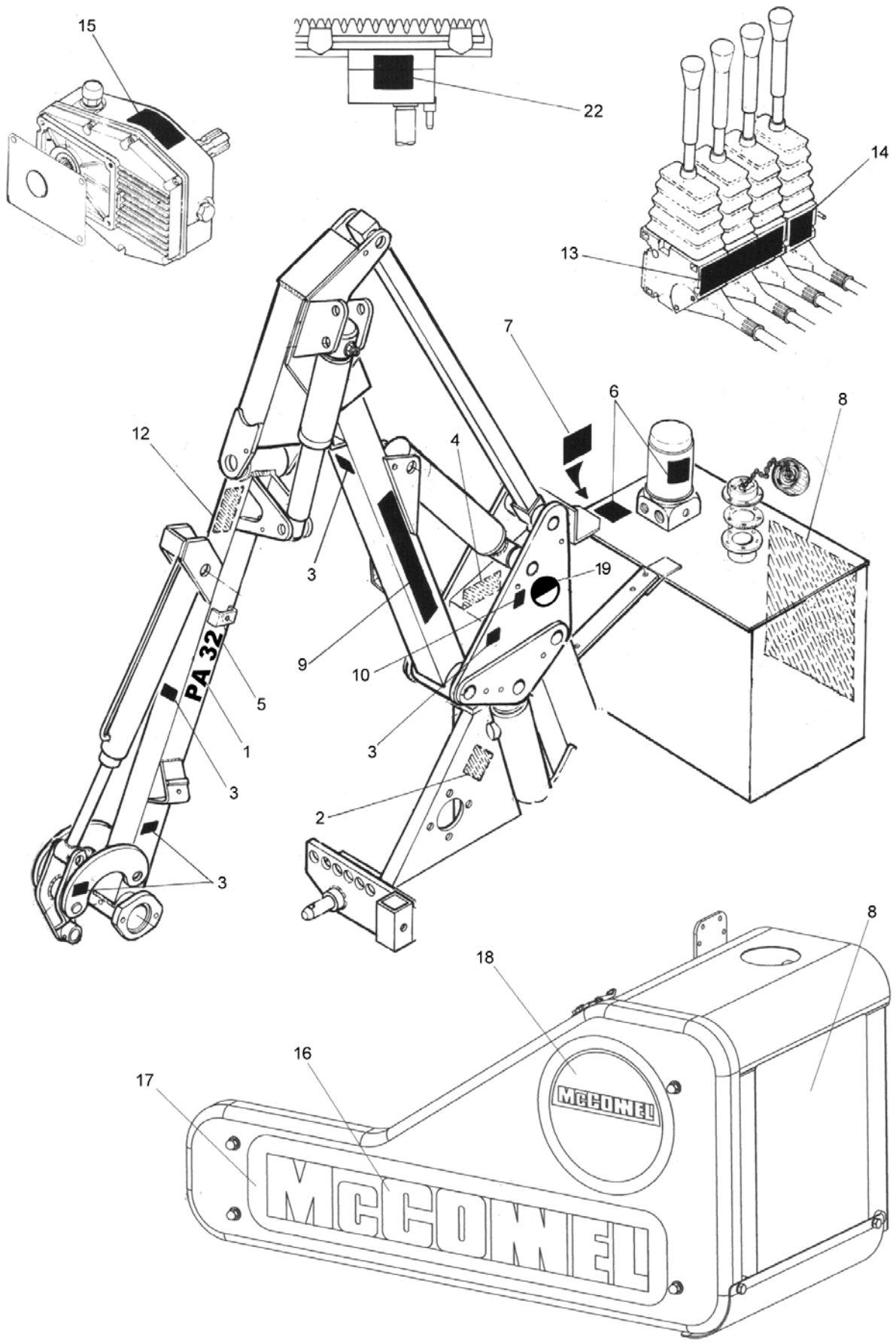
7490775 – L/H BUILD

7490776 – R/H BUILD



**REAR COVERS ASSEMBLY**

REF.	QTY.	PART No.	DESCRIPTION
		7490775	REAR COVERS ASSEMBLY - L/H BUILD
		7490776	REAR COVERS ASSEMBLY - R/H BUILD
1	1	45629.01	Rear Cover - L/H
	1	45629.02	Rear Cover - R/H
2	1	45633.01	Tank Cover - L/H
	1	45633.02	Tank Cover - R/H
3	1	45636.02	Support Bracket - L/H
	1	45636.04	Support Bracket - R/H
4	1	45638.01	Fairing - Tank
5	2	43449.02	Overcentre Fastener
6	6	1069088	Pop Rivet
7	2	9313055	Setscrew
8	2	9313045	Setscrew
9	4	9100025	Dome Nut
10	4	9100105	Flat washer
11	6	9100205	Spring Washer
12	2	9143005	Self Locking Nut
13	1	46007.01	Hook - Overcentre Fastener





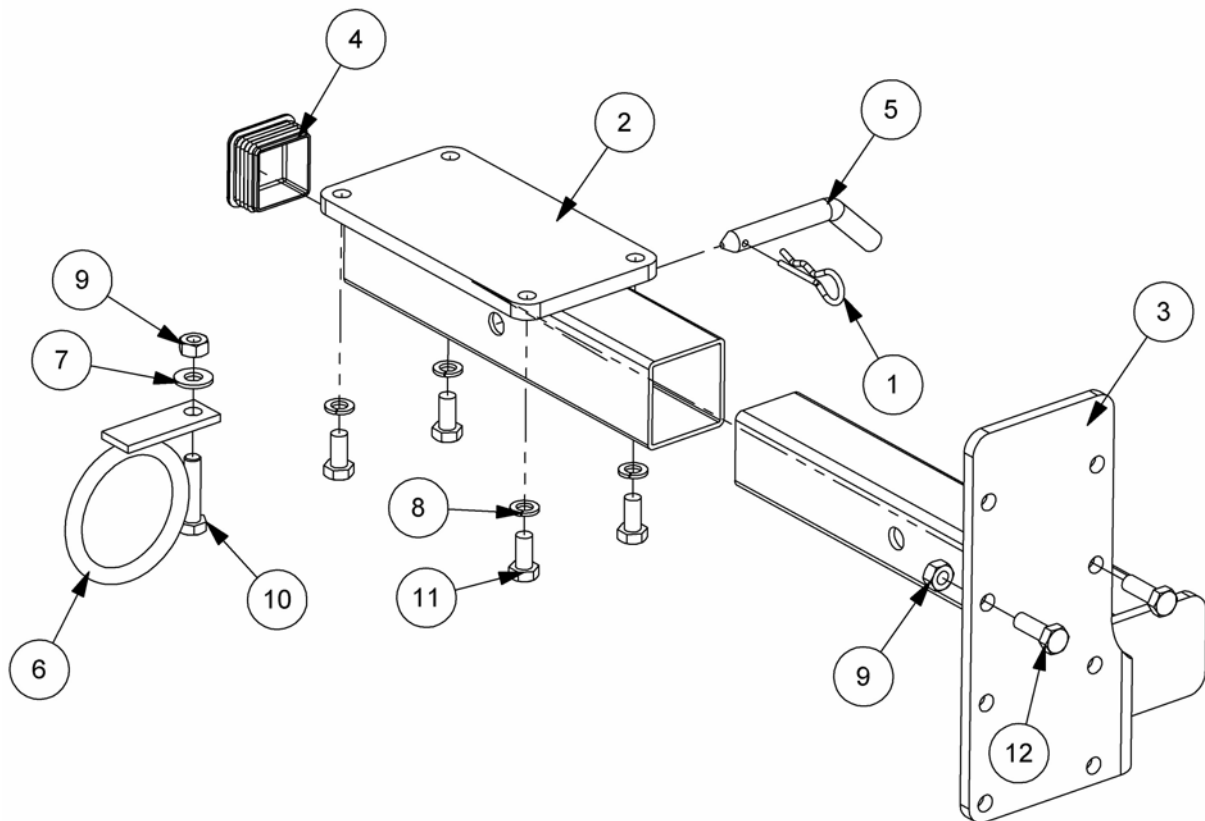
MACHINE DECALS

REF.	QTY.	PART No.	DESCRIPTION
			MACHINE DECALS
1	2	1290453	PA - Black
2	1	7105130	Read Instruction Manual
3	5	02962764	Pinch Point
4	1	7135295	Tighten Check Chains
5	2	1290552	32 - Black
6	1	1290023	Oil Filter Instruction
7	1	00756494	PTO Fitting/Warning
8	1	1290391	General Safety
9	2	1290255	McConnel
10	1	1290074	Sling Here
11	1	1290352	General Warning (<i>Supplied loose for cab location</i>)
12	1	1290403	Breakaway Warning
13	1	1290368	Arm Controls
14	1	1290338	Rotor Controls/Cutterbar ON/OFF - <i>Ti only</i>
15	1	1290030	Gearbox Oil Instructions
16	1	1290527	McConnel - Large Black
17	1	1290553	Backing Panel - Yellow
18	1	1290554	McConnel Roundel - Yellow
19	1	1290296	Logo
20	1	1335246	Serial No. Plate
21	4	7103230	Pop Rivets
22	1	1290078	Warning - Danger to fingers

Modules:

7150770 – L/H Build

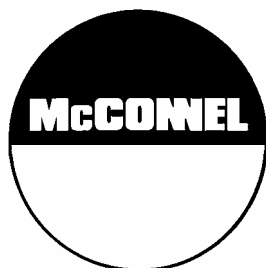
7150771 – R/H Build

Illustrated in Left Hand Build

REF.	QTY.	PART No.	DESCRIPTION
		7150770	DEBRIS BLOWER MOUNTING KIT - L/H Machines
		7150771	DEBRIS BLOWER MOUNTING KIT - R/H Machines
1	1	0431105	SPRING COTTER
2	1	43492.01	BLOWER BRACKET
3	1	43492.05	BLOWER BRACKET - L/H Build
	1	43492.06	BLOWER BRACKET - R/H Build
4	1	7191108	PLASTIC PLUG
5	1	7192023	LEG PIN
6	1	7319282	HOSE RING
7	1	9100106	FLAT WASHER
8	4	9100206	SPRING WASHER
9	3	9143006	SELF-LOCKING NUT
10	1	9213106	BOLT
11	4	9313056	SETSCREW
12	2	9313076	SETSCREW

Suitable for the following machines:

PA32, PA41, PA45, PA47 Mk1*, PA47 Mk2, PA48, PA50Mk1*, PA50 Mk2, PA55/60
(* without lightbars)*



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