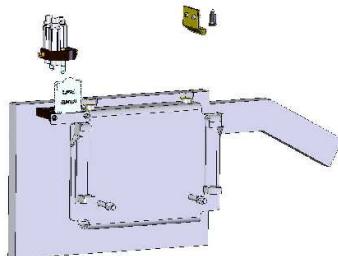




VARAOSAKIRJA
PART LIST
DELLISTA
ERSATZTEILLISTE



Piennarleikkuri Powerarm 1.0 m
Flail Mower 1.0 m
Slaghackaggregat
Schlegelmulcher

A410727

15.4.2015
Rev A

Manufacturer:

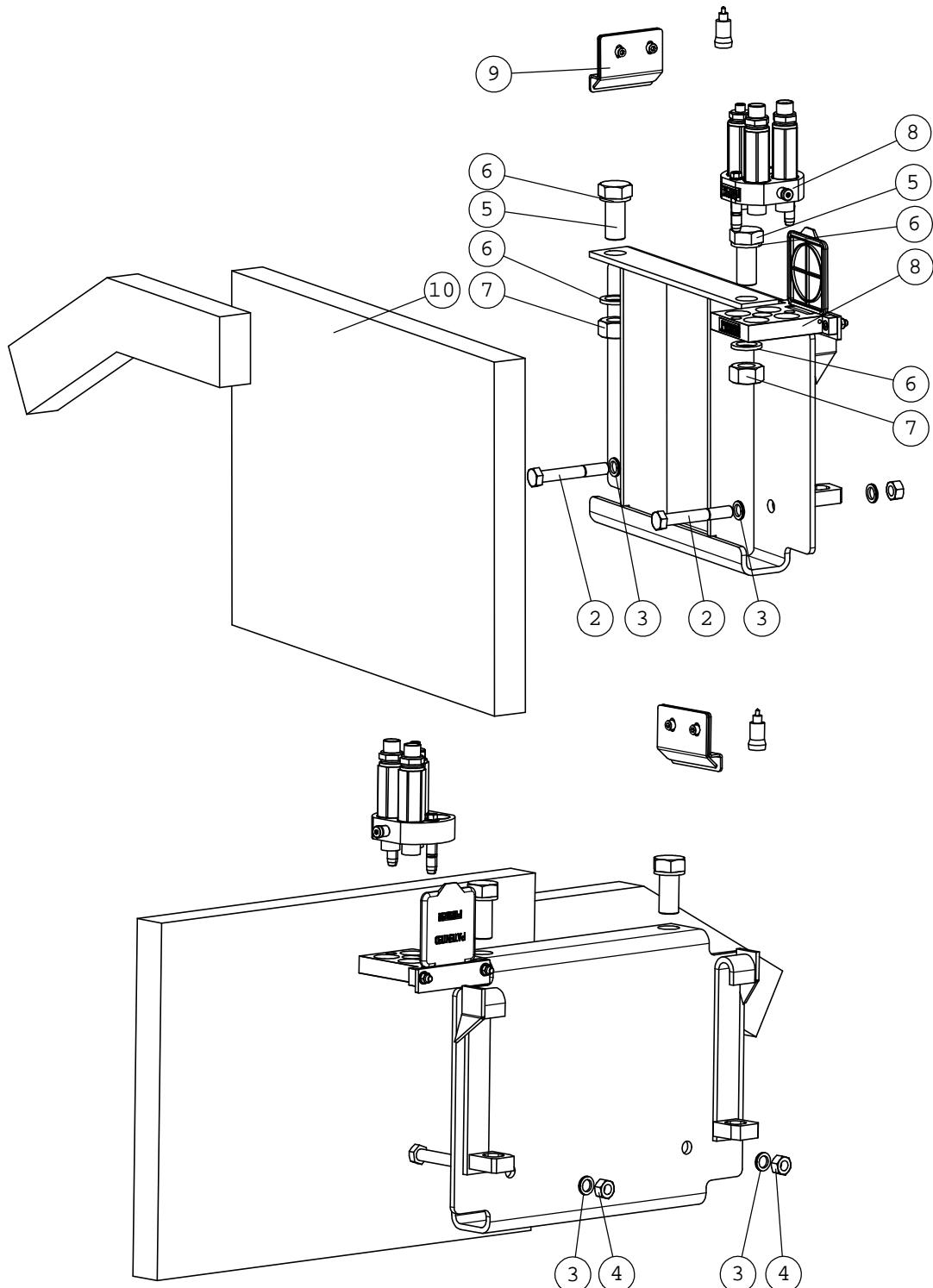
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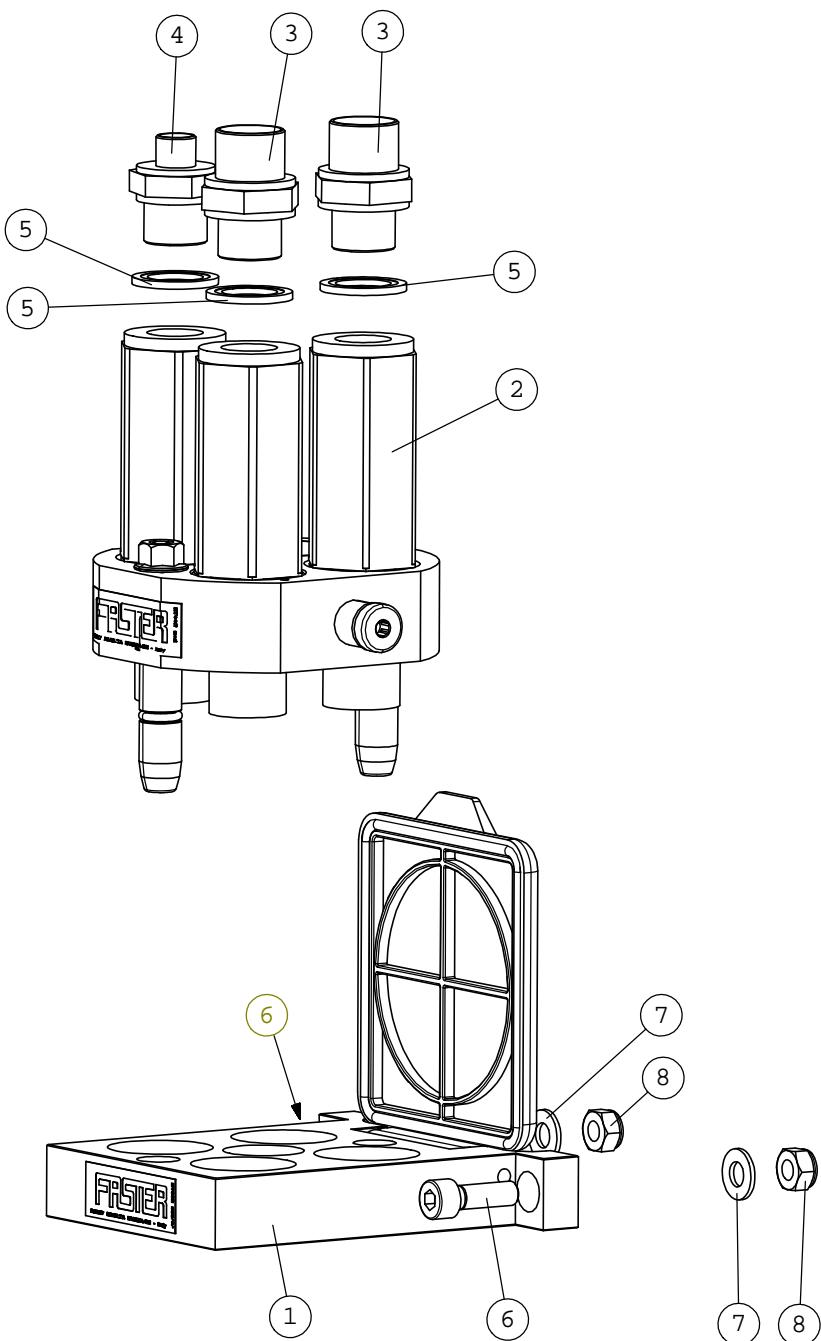
A410727**PIENNARLEIKKURI****POWERARM 35 1,0M**

NRO REF POS TEIL	OSAN NRO PART NO BESTÄLL.NR BEST.NR	KPL QTY ST ST	NIMITYS	DESCRIPTION	BENÄMNING	BEZEICHNUNG
1	a34471	1	ADAPTERI	ATTACH PLATE, FLAIL	REDSKAPSFASTE, SLAGH	ANBAUPLATTE SCHLEGEL
2	74742	2	KUUSIORUUVI ZN	HEXAGONAL SCREW M1	SEXKANTSKRUV M16x	SECHSKANTSCHR. M16x
3	74533	4	ALUSLEVYPARI M16	WASHER, PAIR, M16 NL	BRICKA, PAR, M16 NL1	UNTERLEGSCHEIBE, PAA
4	72329	2	KUUSIOMUTTERI	HEXAGONAL NUT M 16	SEXKANTMUTTER M 16 D	SECHSKANTMUTTER M16
5	74829	2	KUUSIORUUVI ZN	HEXAGONAL SCREW M27	SEXKANTSKRUV M27x60	SECHSKANTSCHRAUBE M2
6	74830	4	ALUSLEVYPARI M27	WASHER M27, PAIR, NO	BRICKA NORD-LOCK M27	UNTERLEGSCHEIBE M27,
7	74828	2	KUUSIOMUTTERI	HEXAGONAL NUT M27	SEXKANTMUTTER M27	SECHSKANTMUTTER M27
8	A419289	1	HYDRAULIIKAN VARUSTELU	CONTROL VALVE COMPLE	STYRVENTIL KOMPLETT	STEUERGERAT KOMPLETT
9	A419290	1	KAUKO-OHJAIMEN VARUST.	MOUNTING BRACKET, KI	FASTE, 200 SERIE, FJ	AUFNAHME, KIT, 200 S
10	66145	1	PIENNARLEIKKURI POWE	FLAIL MOWER WITH HYD	SLAGHACKAGGR MED HYD	SCHLEGELMULCHER MIT



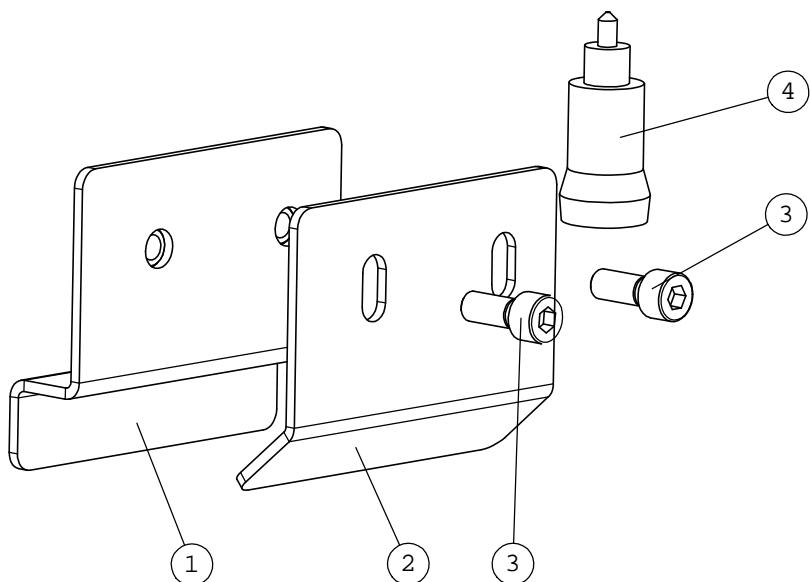
A419289**HYDRAULIIKAN****VARUSTELU**

NRO REF POS TEIL	OSAN NRO PART NO BESTÄLL.NR BEST.NR	KPL QTY ST ST	NIMITYS	DESCRIPTION	BENÄMNING	BEZEICHNUNG
1	65594	1	PIKALIITINRYHMÄ TEL	PARKING FOR MULTI CO	PARKING FÖR FLERSNAB	PARKING FÜR MULTI-KU
2	65250	1	PIKALIITINRYHMÄ	MULTI CONNECTOR, 3 C	FLERKOPPLING, 3 KOPP	MULTI-KUPPLUNG, 3 KU
3	74827	2	SUPISTUSNIPPA R5/8"UK	REDUCING NIPPLE HYDR	FÖRMINSKNINGSNIPPEL	REDUZIERNIPPEL R5/8"UK
4	73566	1	SUPISTUSNIPPA R1/2"U	REDUCING NIPPLE HYDR	FÖRMINSKNINGSSOCKER	REDUZIERNIPPEL R1/2"
5	73047	3	USIT-TIIVISTE R1/2"	USIT SEAL RING R/12"	USIT-PACKNING 1/2" F	USIT-DICHTUNGSSCHEIB
6	71884	2	KUUSIOKOLORUUVI	HEXAGONAL SCREW M	SEXKANTHÄLSKRUV M	INNSECHSKANT - SCH
7	73122	2	ALUSLEVY M 8	WASHER M8 A8	BRICKA M8 A8,	UNTERLEGSCHEIBE M8
8	72320	2	KUUSIOMUTTERI ZN	NUT M8 NYLOC DIN 98	SEXKANTMUTTER M8 NY	SECHSKANTMUTTER M 8



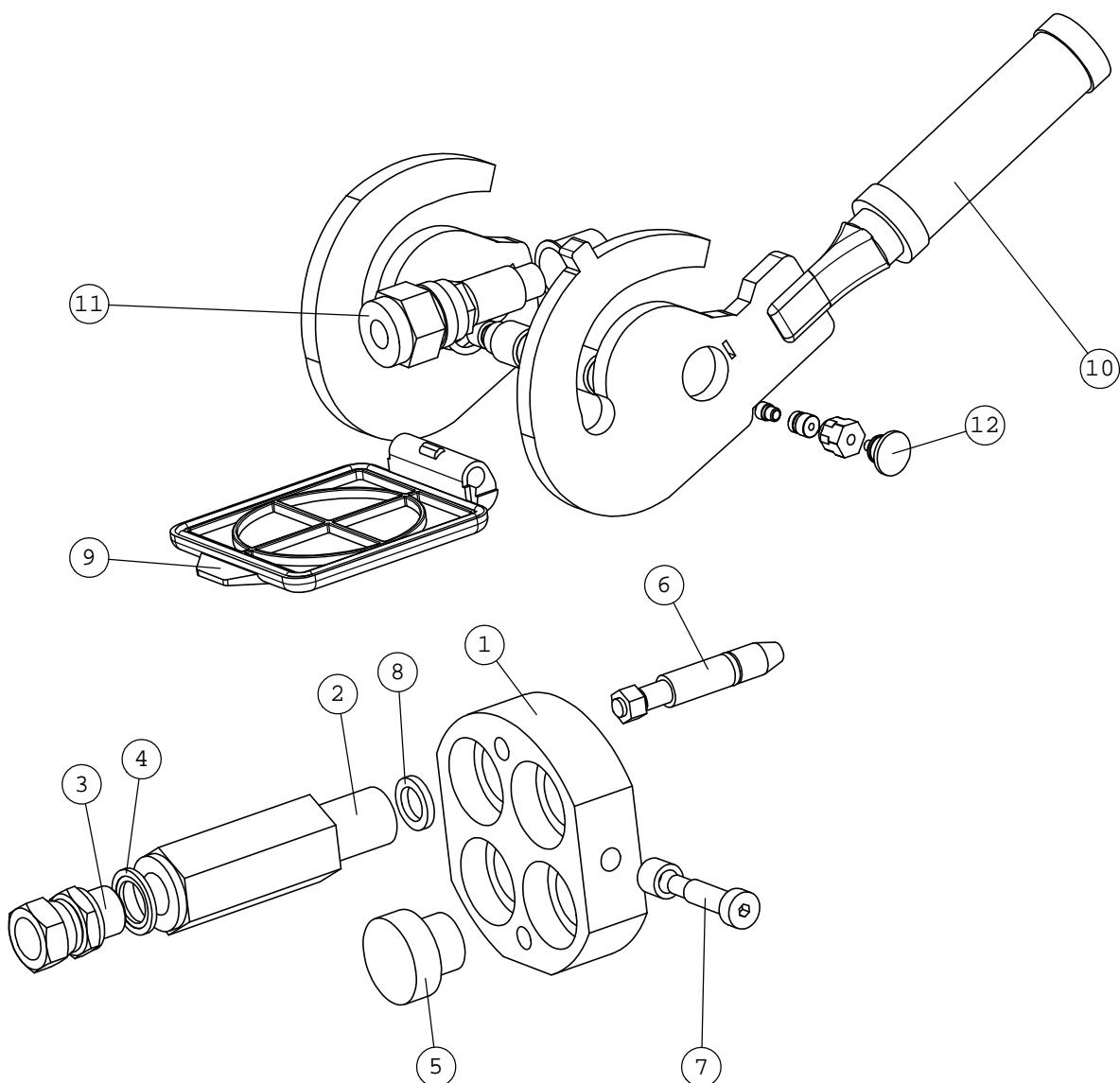
A419290**KAUKO-OHJAIMEN****VARUSTELU**

NRO REF POS TEIL	OSAN NRO PART NO BESTÄLL.NR BEST.NR	KPL QTY ST ST	NIMITYS	DESCRIPTION	BENÄMNING	BEZEICHNUNG
1	A413918	1	KIINNITYSLEVY	MOUNTING PLATE, CONT	FASTNINGSPLÄT, STYRE	AUFNAHMESCHEIBE, STE
2	A413854	1	KIRISTIN	TIGHTENER PLATE, CON	SPÄNNPLÄT, STYRENHET	SPANNERSCHEIBE, STEU
3	74481	2	KUUSIOKOLORUUVI ZN	HEXAGONAL HEAD SCREW	SEXKANTHÄLSKRUV M8x2	INNEN-SECHSKANTSCHRA
4	64621	1	PISTOKE SUORA	MALE PLUG 12V MERIT	STICKPROPP 12V MERIT	STECKER 12V MERIT 11



A417531**PIKALIITINRYHMÄ****VARAOSAKOKOONPANO**

NRO REF POS TEIL	OSAN NRO PART NO BESTÄLL.NR BEST.NR	KPL QTY ST ST	NIMITYS	DESCRIPTION	BENÄMNING	BEZEICHNUNG
1	65628	1	PIKALIITINRUNKO KIT	MULTIFASTER MOBILE B	MULTIFASTER MOBILE B	MULTIFASTER MOBILE B
2	65627	1	PIKALIITIN UROS	CHECK VALVE CARTRIDG	KONTRASTVENTILPATRON	RÜCKSCHLAGVENTIL-PAT
3	65600	1	YHDSNIPPA	CONNECTOR NIPPLE 8	FÖRBINDNINGSNIPPEL	VERBINDUNGSNIPPEL
4	73047	1	USIT-TIIVISTE R1/2"	USIT SEAL RING R/12"	USIT-PACKNING 1/2" F	USIT-DICHTUNGSSCHEIB
5	65626	1	PIKALIITINTULPPA	PLUG, MULTI CONNECTO	PROPP, FLERSNABBKOPP	PROPfen, KIT, MULTIK
6	65878	1	PIKALIITIN OHJANTAP	GUIDE PIN MULTIFASTE	STYRTAPP MULTIFASTER	STEUERBOLZEN MULTIFA
7	65879	1	PIKALIITIN LUKITUSTA	LOCKING PIN MULTIFAS	LÄSTAPP MULTIFASTER	VERRIEGELUNGSBOLZEN
8	65880	1	PIKALIITIN TIIVISTE	SEAL RING, MULTI CON	PACKNING, FLERSNABBK	DICHTUNG, MULTI-KUPP
9	65882	1	PIKALIITIN SUOJALEVY	CAP PLATE, KIT, MULT	LOCK, KIT, FLERSNABB	SCHUTZDECKEL, KIT, M
10	65884	1	PIKALIITIN LUKITUSVI	HANDLE, KIT, MULTI C	HANDTAG, KIT, FLERSN	GRIFF, KIT, MULTI-KU
11	65881	1	PIKALIITINRUNKO KIT	QUICK COUPLER, ON MU	SNABBKOPPLING, PÅ FL	SCHNELLKUPPLUNG, AUF
12	65883	1	PIKALIITIN LUKITUSPA	SAFETY BUTTON, KIT,	SAKERHETSKNAPP, KIT,	DRUCKKNOPF, KIT, MUL



Publication 494
November 2005
Part No. 41570.94
Rev. 14.02.06



PA 35

FRONT MOUNT

Parts Manual



McCONNEL



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- **Part Number**

*Design Improvements may have altered some of the parts listed in this manual –
The latest part will always be supplied when it is interchangeable with an earlier one.*

LIST OF CONTENTS

	<i>Page No.</i>
Stabilizer Kit	5.
Main Frame Assembly	6.
Hydraulic Tank Assembly	8.
Rocker Assembly	10.
Main Arm Assembly	12.
Dipper Upper Assembly	14.
Dipper Arm Assembly	16.
Head Angling Mechanism Assembly	18.
Pump & Gearbox Assembly – <i>SI Models</i>	20.
Pump & Gearbox Assembly – <i>TI Models</i>	22.
Control Valve Assembly – <i>Cable Models</i>	24.
Control Valve Assembly – <i>Proportional Electric Models</i>	26.
Control Levers & Cable Assemblies – <i>Cable Models</i>	28.
Control Box – <i>Electric Models</i>	30.
In Cab Control Mountings – <i>Cable, Electric & Proportional Models</i>	31.
Angle Ram Assembly	32.
Breakaway Ram Assembly	33.
Lift Ram Assembly	34.
Reach Ram Assembly	36.
Hydraulic Hose Installation – <i>Models without Pump & Valve</i>	38.
Hydraulic Hose Installation – <i>SI Models</i>	40.
Hydraulic Hose Installation – <i>TI Models</i>	42.
Lift Float Kit	44.
Covers Assembly	46.
Machine Decals	48.
Cab Guard Kit	50.

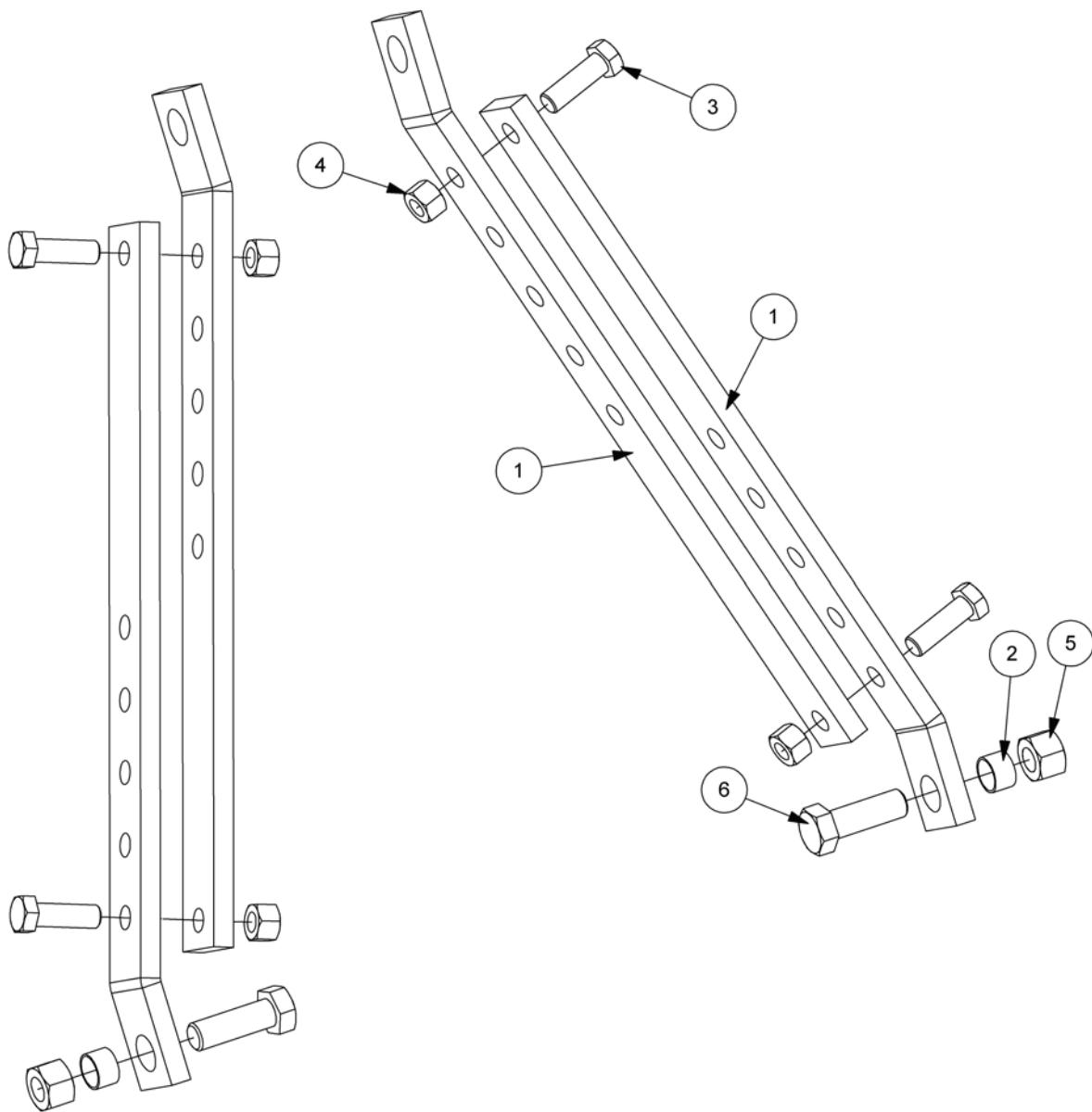
PA35 Front Mount

STABILIZER KIT



Module:

7490769



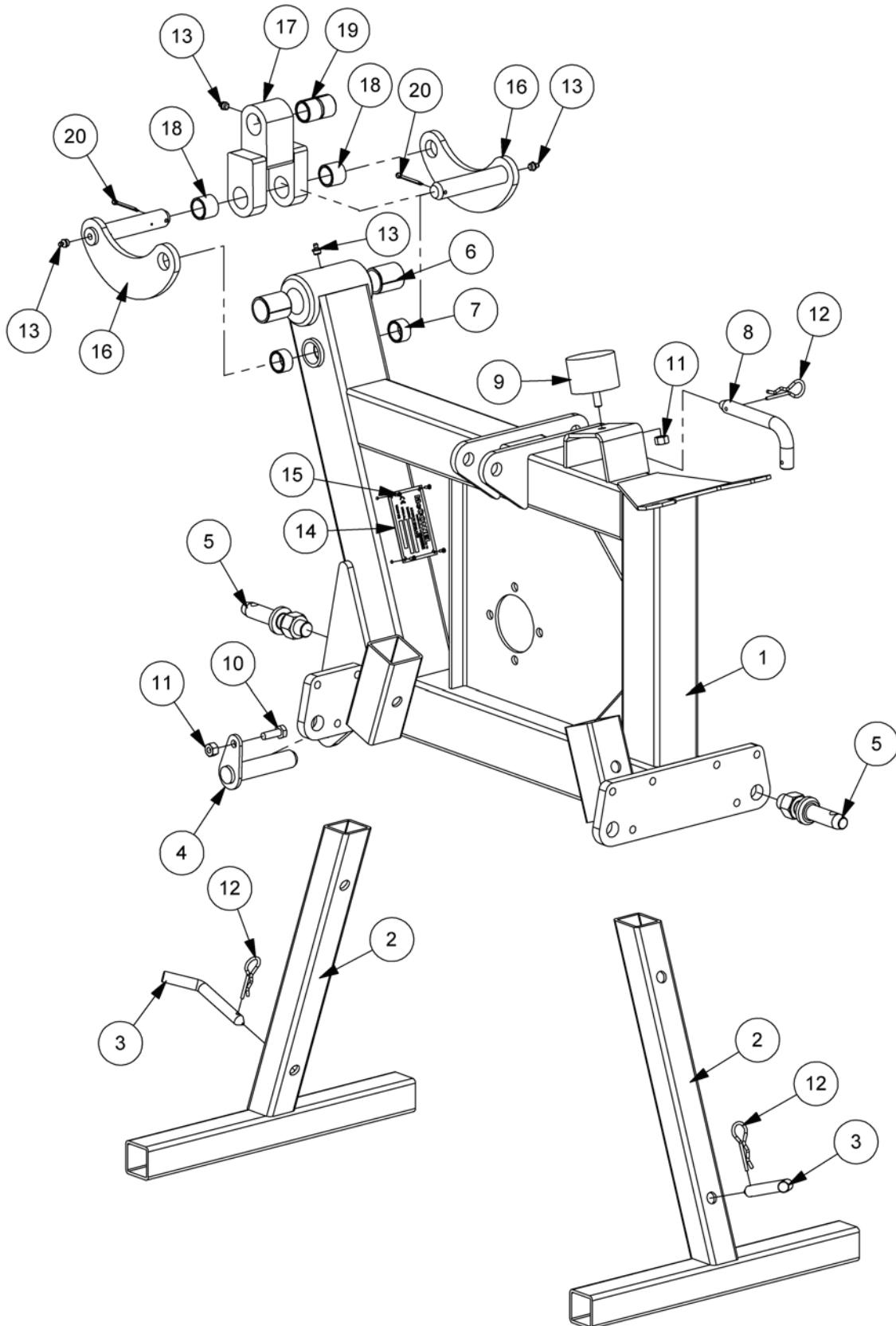
REF.	QTY.	PART No.	DESCRIPTION
		7490769	STABILIZER KIT
1	4	42366.04	STABILIZER BAR
2	2	21914.01	SPACER
3	4	9213107	BOLT
4	4	9143007	SELF-LOCKING NUT
5	2	9143008	SELF-LOCKING NUT
6	2	9213128	BOLT

PA35 Front Mount

MAIN FRAME ASSEMBLY



Module:
7490600



PA35 Front Mount

MAIN FRAME ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
		7490600	MAIN FRAME ASSEMBLY - R/H Front Mount
1	1	41197.07	MAIN FRAME
2	2	21853.01	STAND
3	2	7192023	LEG PIN
4	1	41267.04	PIN
5	2	21849.01	LINKAGE PIN - CAT 1 (REPLACEABLE)
6	2	7101134	BUSH
7	2	7214060	BUSH
8	1	7192026	TOP LINK PIN
9	1	1337114	RUBBER BUFFER ASSEMBLY
10	1	9313065	SETSCREW
11	2	9143005	SELF-LOCKING NUT
12	3	0431105	SPRING COTTER
13	5	0901121	GREASE NIPPLE
14	1	1335246	SERIAL No. PLATE
15	4	7103230	POP RIVET
16	2	21851.01	RADIUS ARM
17	1	21850.01	SLAVE LINK
18	2	7101083	LINK BUSH
19	1	7105050	ROD END BUSH
20	2	9501406	SPLIT PIN

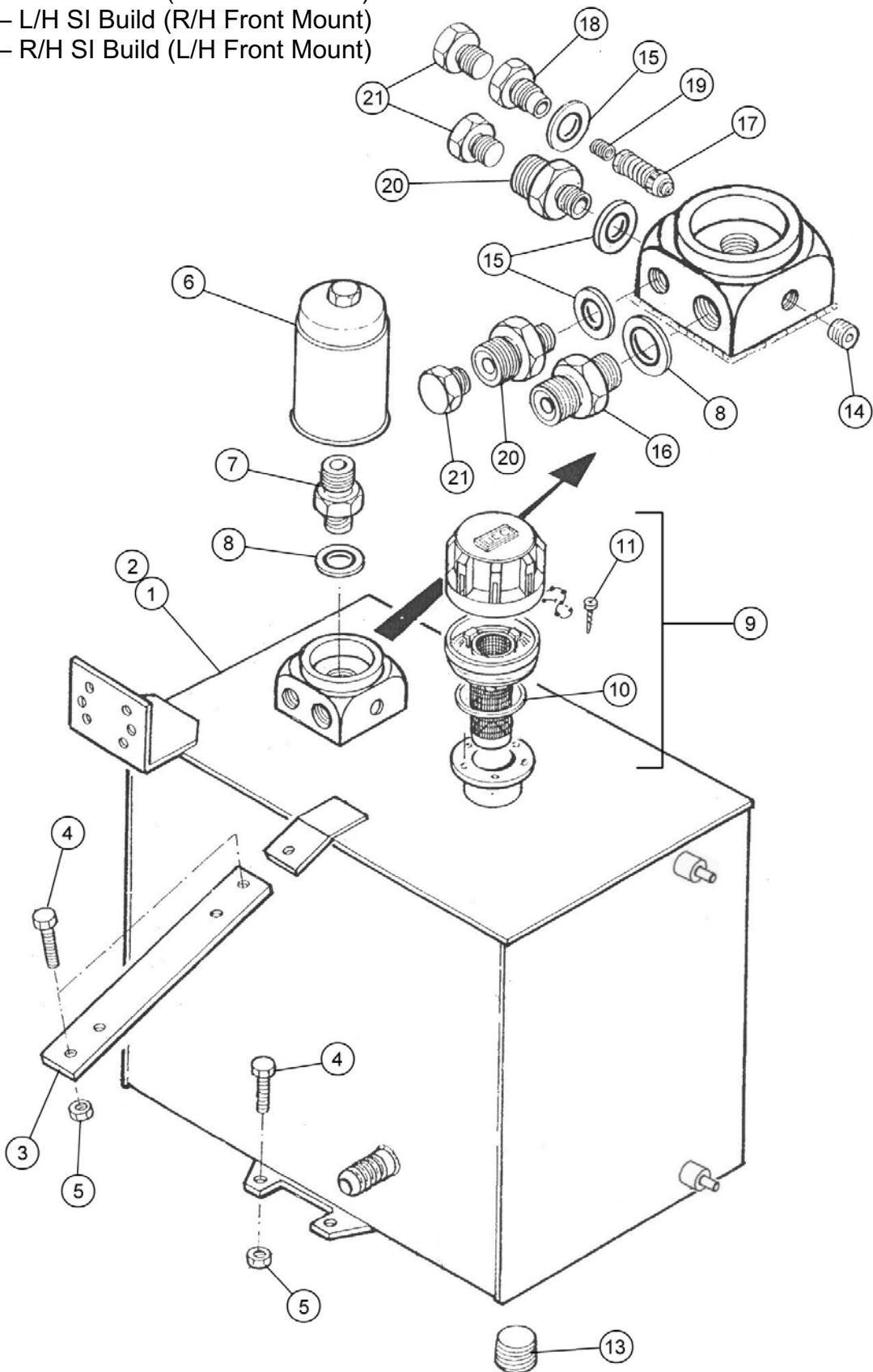
Modules:

7490777 – L/H TI Build (R/H Front Mount)

7490778 – R/H TI Build (L/H Front Mount)

7490779 – L/H SI Build (R/H Front Mount)

7490780 – R/H SI Build (L/H Front Mount)



PA35 Front Mount

HYDRAULIC TANK ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
		7490777	TANK ASSEMBLY - L/H TI Build (R/H F/Mount)
		7490778	TANK ASSEMBLY - R/H TI Build (L/H F/Mount)
		7490779	TANK ASSEMBLY - L/H SI Build (R/H F/Mount)
		7490780	TANK ASSEMBLY - R/H SI Build (L/H F/Mount)
1	1	41196.05	TANK - L/H (<i>R/H on Front Mounted Models</i>)
2	1	41196.06	TANK- R/H (<i>L/H on Front Mounted Models</i>)
3	1	41204.01	TANK STRAP
4	6	9313065	SETSCREW
5	6	9143005	SELF-LOCKING NUT
6	1	8401045	FILTER
7	1	8581174	ADAPTOR
8	2	8650104	BONDED SEAL
9	1	8401014	FILLER / BREATHER ASSEMBLY - c/w
10	1	8401017	GASKET
11	6	0300082	SELF-TAPPING SCREW
12	4	9100104	* FLAT 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 models only</i>
22	2	9213144	* BOLT
23	1	9213134	* BOLT
24	3	9143004	* NUT
25	1	41204.02	* EXTENSION BRACKET

* *not illustrated*

SI models only

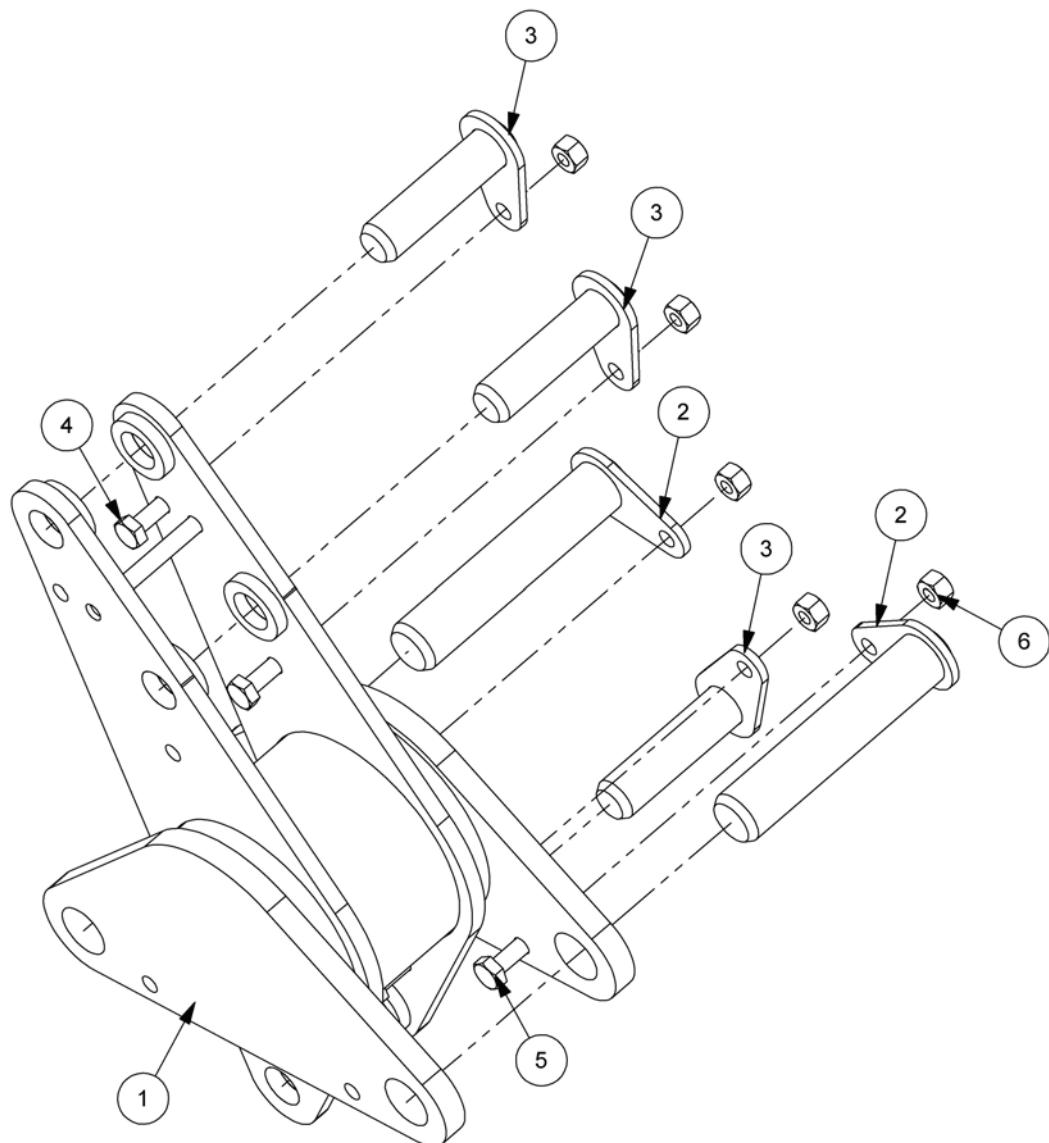
PA35 Front Mount

ROCKER ASSEMBLY



Module:

7490602



PA35 Front Mount

ROCKER ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
		7490602	ROCKER ASSEMBLY
1	1	41198.04	ROCKER
2	2	41268.01	MAIN PIVOT PIN
3	3	41691.03	PIN
4	3	9313065	SETSCREW
5	2	9313075	SETSCREW
6	5	9143005	SELF-LOCKING NUT

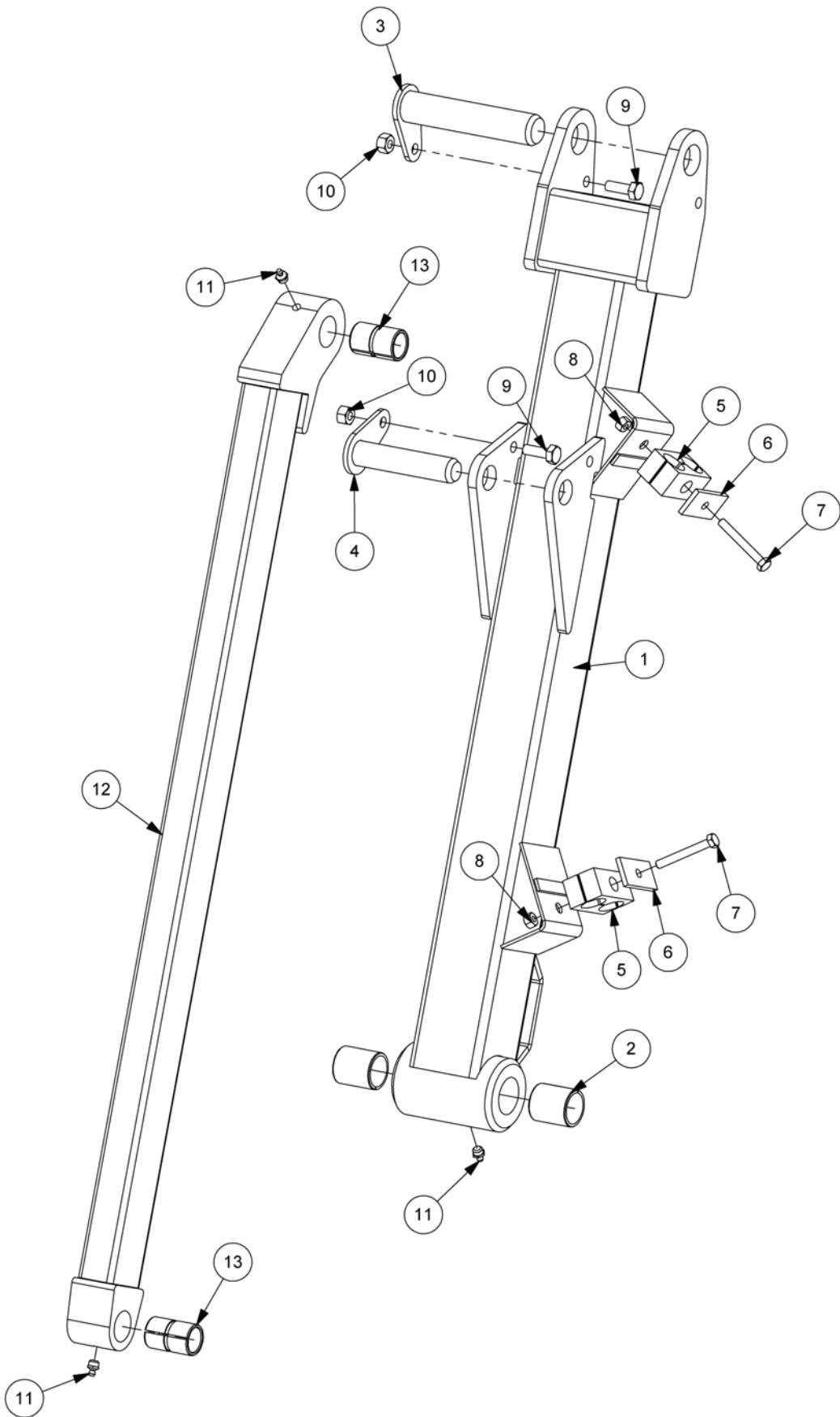
PA35 Front Mount

MAIN ARM ASSEMBLY



Module:

7490603



PA35 Front Mount

MAIN ARM ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
		7490603	MAIN ARM ASSEMBLY
1	1	41199.07	MAIN ARM
2	2	7101134	BUSH
3	1	41268.01	MAIN PIVOT PIN
4	1	41267.04	PIN
5	2	06.430.09	DOUBLE HOSE CLAMP
6	2	06.418.03	CLAMP PLATE
7	2	9213134	BOLT
8	2	9143004	SELF-LOCKING NUT
9	2	9313065	SETSCREW
10	2	9143005	SELF-LOCKING NUT
11	3	0901121	GREASE NIPPLE
12	1	41200.03	TENSION LINK
13	2	7105050	ROD END BUSH

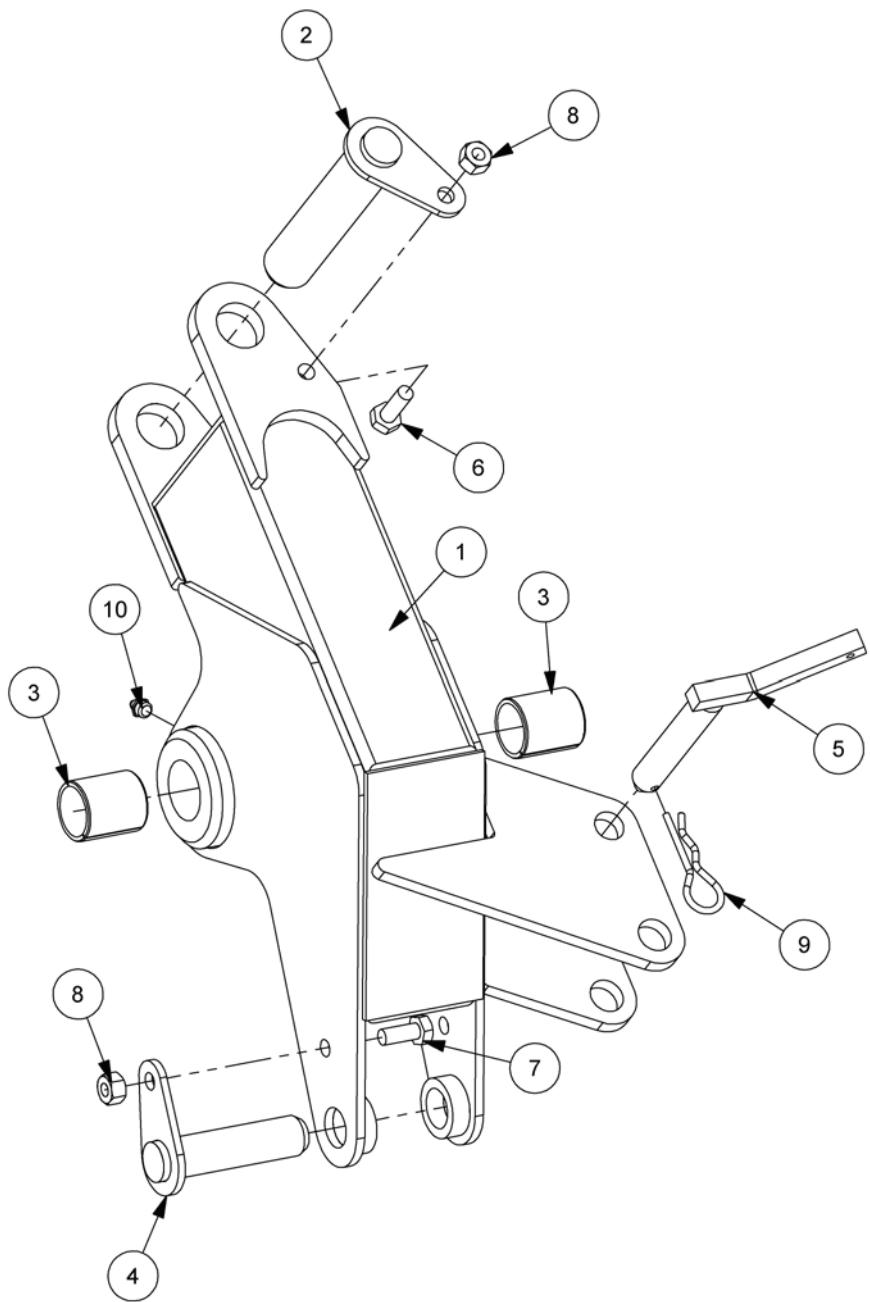
PA35 Front Mount

DIPPER UPPER ASSEMBLY



Module:

7490605



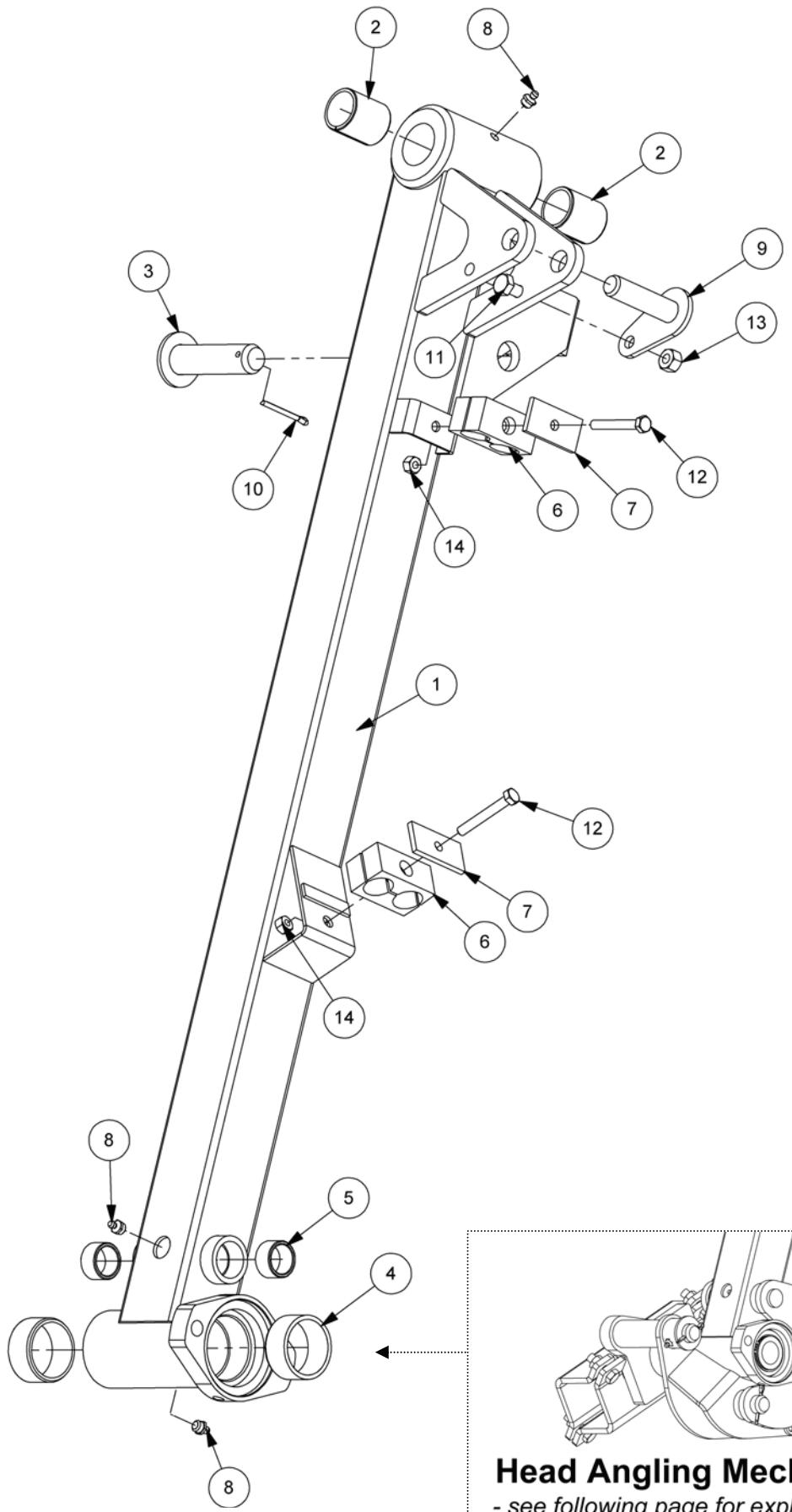
PA35 Front Mount

DIPPER UPPER ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
		7490605	DIPPER UPPER ASSEMBLY
1	1	41201.05	DIPPER UPPER
2	1	41268.03	MAIN PIVOT PIN
3	2	7101134	BUSH
4	1	41267.03	PIN
5	1	7191036	B/A RAM PIN
6	1	9313065	SETSCREW
7	1	9313055	SETSCREW
8	2	9143005	SELF-LOCKING NUT
9	1	0431105	SPRING COTTER
10	1	0901121	GREASE NIPPLE

Module:
7490607



Head Angling Mechanism
- see following page for exploded view

PA35 Front Mount

DIPPER ARM ASSEMBLY

REF.	QTY.	PART No.	DESCRIPTION
		7490607	DIPPER ARM ASSEMBLY
1	1	41202.03	DIPPER ARM
2	2	7101134	BUSH
3	1	7191041	ANGLE BASE PIN
4	2	1090001	HINGE BEARING
5	2	7214060	BUSH
6	2	06.430.09	DOUBLE HOSE CLAMP
7	2	06.418.03	CLAMP PLATE
8	3	0901121	GREASE NIPPLE
9	1	41270.01	PIN
10	1	9501406	SPLIT PIN
11	1	9313065	SETSCREW
12	2	9213124	BOLT
13	1	9143005	SELF-LOCKING NUT
14	2	9143004	SELF-LOCKING NUT

HEAD ANGLING MECHANISM COMPONENTS

– refer to following page for exploded view

15	2	1090001	HINGE BEARING
16	6	7214060	BUSH
17	2	21851.02	RADIUS ARM
18	1	21850.02	SLAVE LINK - R/H
19	1	41270.01	PIN
20	2	0901121	GREASE NIPPLE
21	1	21872.01	HEAD BRACKET
22	1	0100109	FLAT WASHER
23	3	9501406	SPLIT PIN
24	1	9313055	SETSCREW
25	1	9143005	SELF-LOCKING NUT
26	1	21873.01	CLAMP PLATE
27	5	9313086	SETSCREW
28	5	9143006	SELF-LOCKING NUT
29	1	0406247	EXTERNAL CIRCLIP
30	1	1090037	RETAINING WASHER

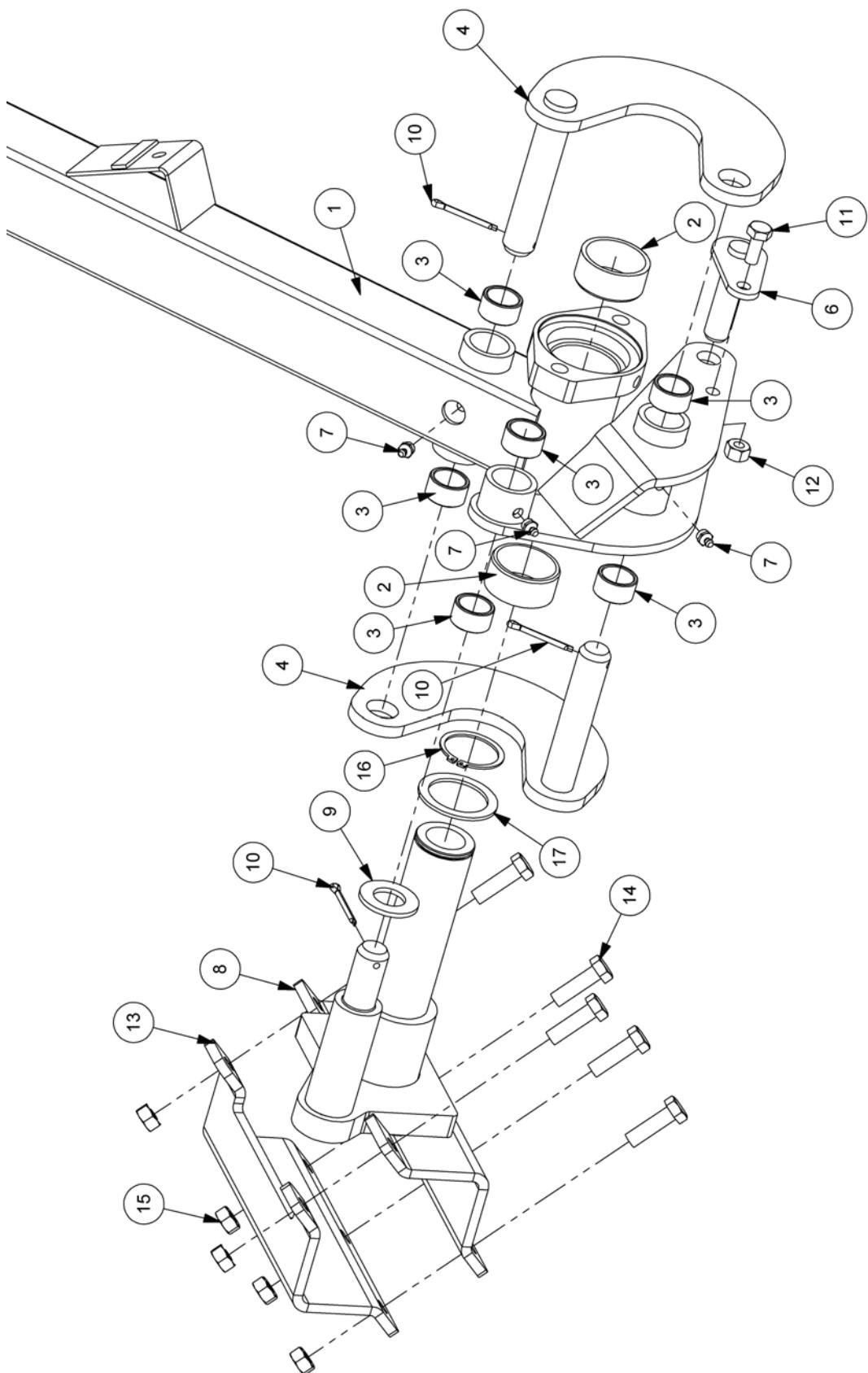
PA35 Front Mount

HEAD ANGLING MECHANISM



Module:

Sub-component of Dipper Arm Assembly 7490607



PA35 Front Mount

HEAD ANGLING MECHANISM

REF.	QTY.	PART No.	DESCRIPTION
<i>Component of: 7490607</i>			HEAD ANGLING MECHANISM
1	1	41202.03	DIPPER
2	2	1090001	HINGE BEARING
3	6	7214060	BUSH
4	2	21851.02	RADIUS ARM
5	1	21850.02	SLAVE LINK - R/H
6	1	41270.01	PIN
7	3	0901121	GREASE NIPPLE
8	1	21872.01	HEAD BRACKET
9	1	0100109	FLAT WASHER
10	3	9501406	SPLIT PIN
11	1	9313055	SETSCREW
12	1	9143005	SELF-LOCKING NUT
13	1	21873.01	CLAMP PLATE
14	5	9313086	SETSCREW
15	5	9143006	SELF-LOCKING NUT
16	1	0406247	EXTERNAL CIRCLIP
17	1	1090037	RETAINING WASHER

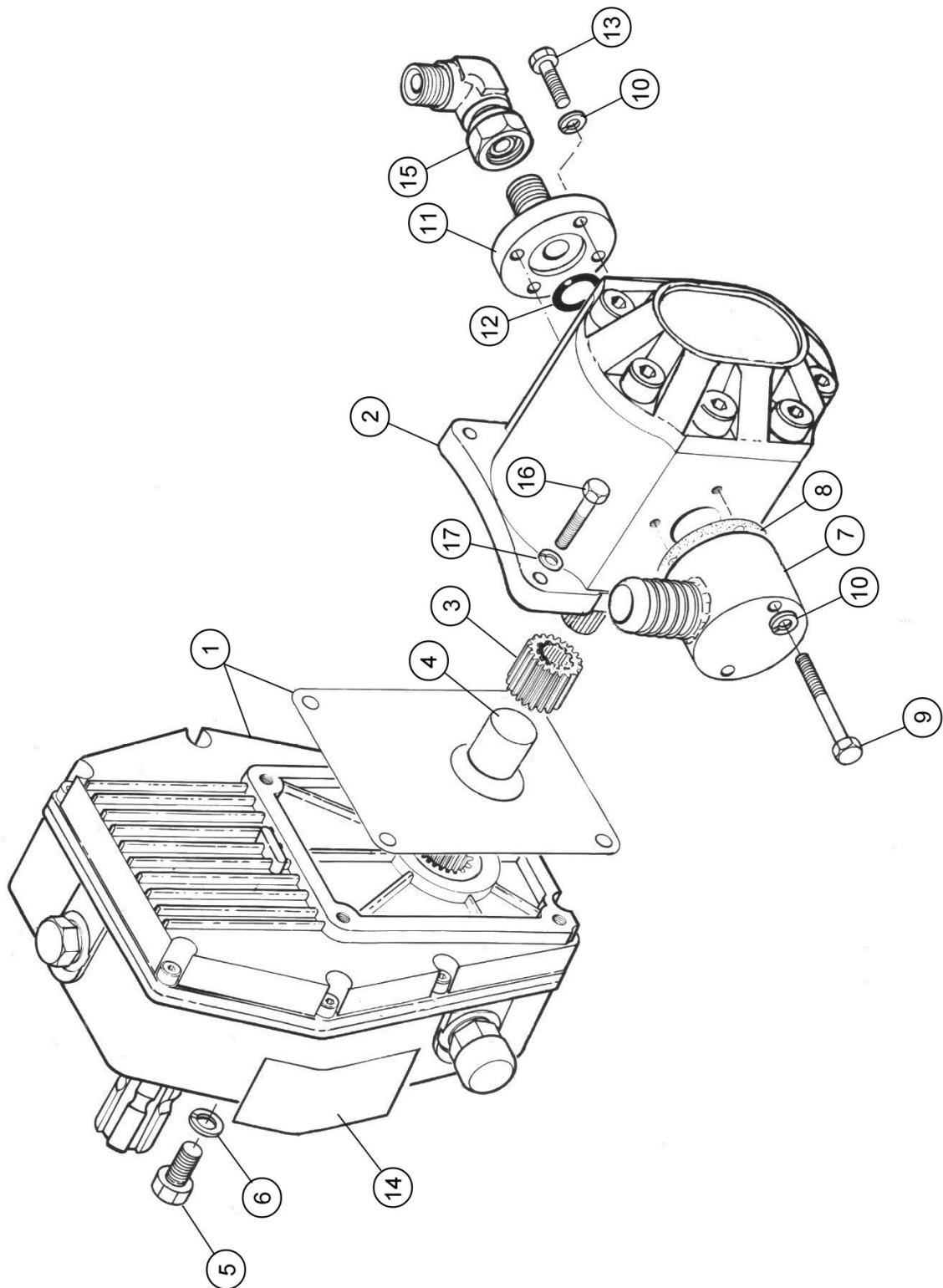
PA35 Front Mount

SI PUMP & GEARBOX ASSEMBLY



Module:

41316.06



PA35 Front Mount

SI PUMP & GEARBOX ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
		41316.06	SI PUMP & GEARBOX ASSEMBLY
1	1	8013570	GEARBOX ASSEMBLY
2	1	8201704	PUMP
3	1	8013097	COUPLING
4	1	42415.02	SPACER
5	4	9313046	SETSCREW
6	4	9100206	SPRING WASHER
7	1	8013022/B	SUCTION CONNECTION
8	1	8013023	GASKET
9	2	9213144	BOLT
10	6	9100204	SPRING WASHER
11	1	8013083	PRESURE CONNECTION
12	1	8600119	O RING
13	4	9300147	SETSCREW
14	1	1290030	DECAL
15	1	8581338	ELBOW - SWVEL
16	4	9213095	BOLT
17	4	9100205	SPRING WASHER
		8699231	PUMP SEAL KIT

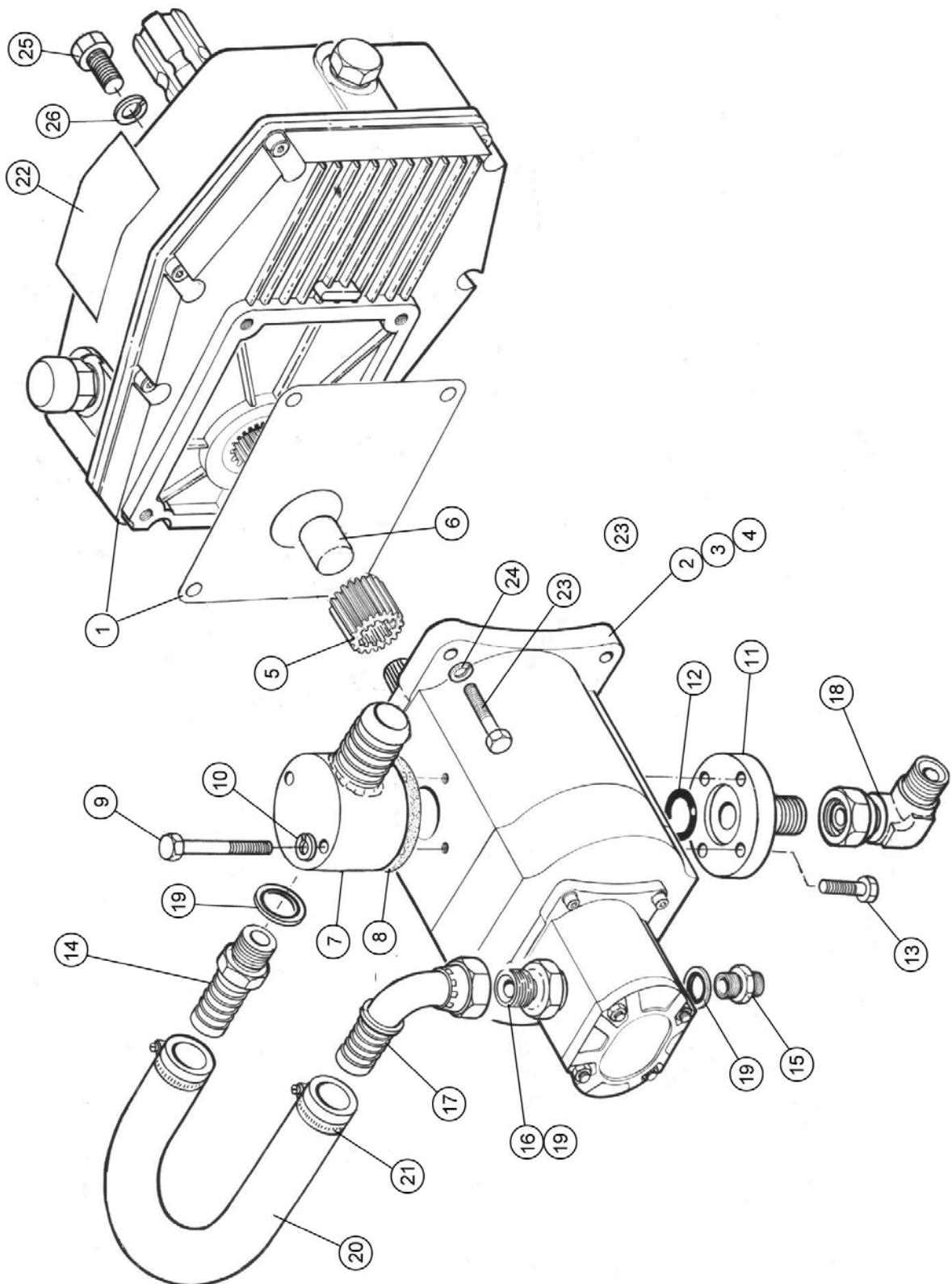
PA35 Front Mount

TI PUMP & GEARBOX ASSEMBLY



Module:

41317.07



PA35 Front Mount

TI PUMP & GEARBOX ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
		41317.07	TI PUMP & GEARBOX ASSEMBLY
1	1	8013570	GEARBOX ASSEMBLY
2	1	8201693	TANDEM PUMP - <i>comprising of:</i>
3	1	-	LARGE PUMP
4	1	-	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 - LOW PRESSURE
18	1	8581338	ELBOW - SWIVEL
19	2	8650104	BONDED SEAL
20	1	8501099	HOSE - 5/8" BORE
21	2	0904204	HOSE CLIP
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

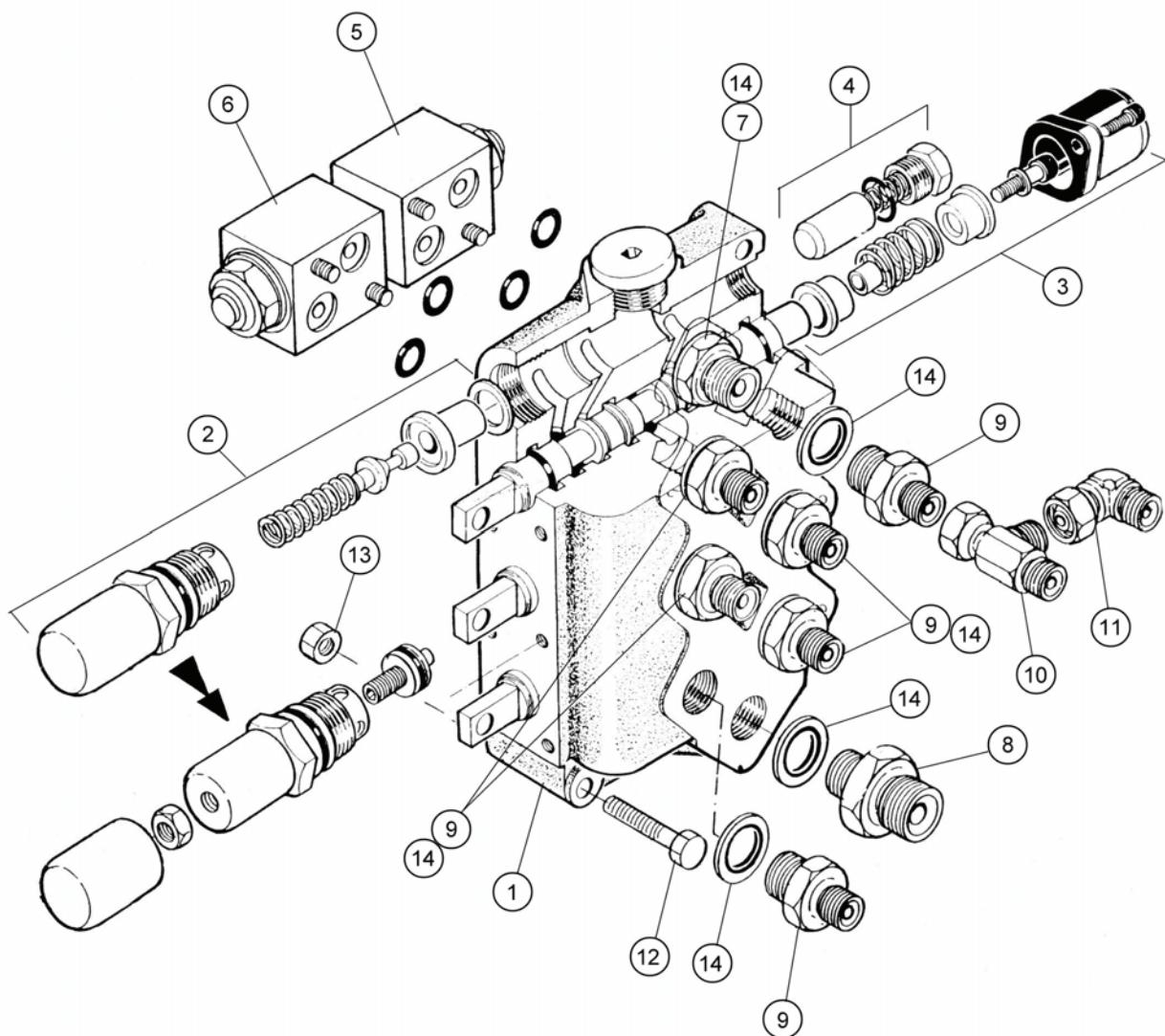
PA35 Front Mount

CABLE CONTROL VALVE



Module:

7490773



PA35 Front Mount

CABLE CONTROL VALVE



REF.	QTY.	PART No.	DESCRIPTION
		7490773	CABLE CONTROL VALVE ASSEMBLY
1	1	8130616	CONTROL VALVE - 3 SPOOL 160BAR
2	1	G3812539	MAIN RELIEF VALVE - 160BAR (2300psi)
3	3	8130134	CENTERING SPRING ASSEMBLY
4	1	8130022	NON RETURN VALVE ASSEMBLY
5	1	8128022	SERVICE RELIEF VALVE - 175BAR (Lift Base)
6	1	8128065	SERVICE RELIEF VALVE - 40BAR (Lift Gland)
7	1	6000113	ADAPTOR
8	1	6000112	ADAPTOR
9	6	8581115	ADAPTOR
10	1	8581254	TEE CONNECTOR
11	1	8581190	ELBOW - SWIVEL
12	3	9213144	BOLT
13	5	9143004	SELF-LOCKING NUT
14	8	8650103	BONDED SEAL
		8699163	SEAL KIT
		8700510	O RING

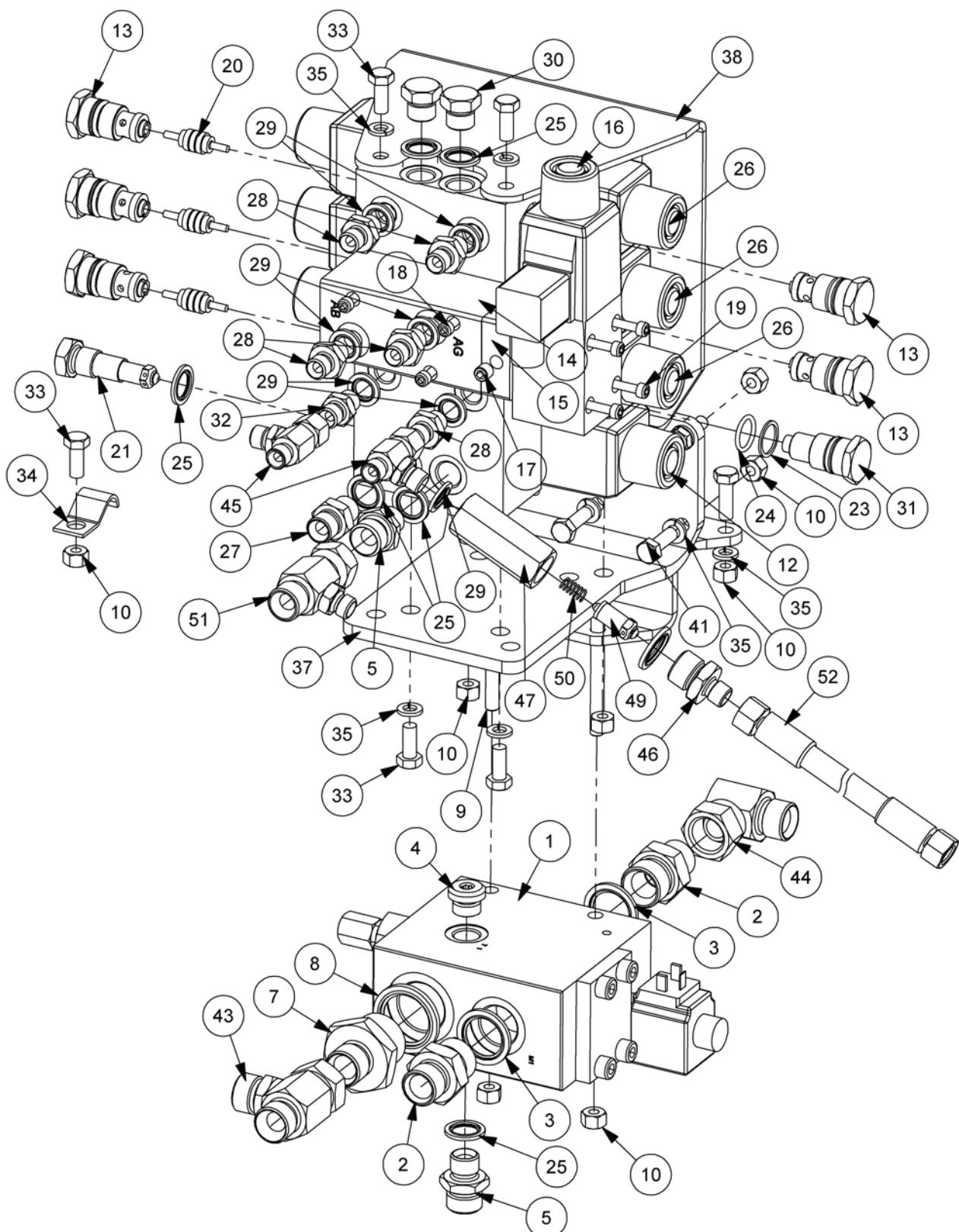
PA35 Front Mount

CONTROL VALVE – Prop. Electric



Module:

7490797



PA35 Front Mount

CONTROL VALVE – Prop. Electric

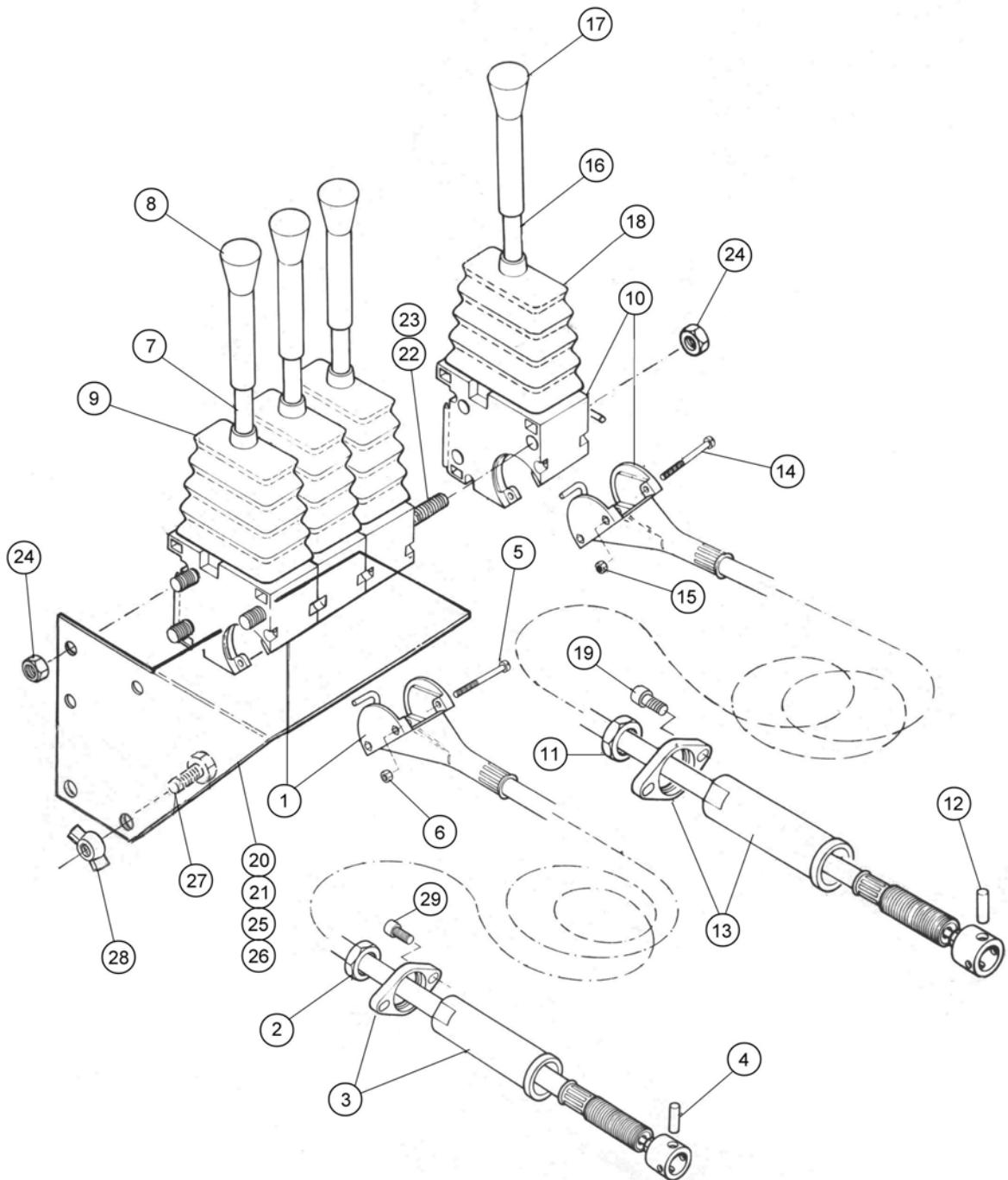


REF.	QTY.	PART No.	DESCRIPTION
		7490797	VALVE ASSEMBLY - Proportional Electric
1	1	08.943.01	RELIEF VALVE / DIVERTER
2	2	8581270	ADAPTOR
3	2	8650106	BONDED SEAL
4	1	8581436	PLUG - SOFT SEAL
5	2	6000112	ADAPTOR
6	1	21476.02	PLATE
7	1	8581378	ADAPTOR
8	1	8650108	BONDED SEAL
9	2	9213164	BOLT
10	11	9143004	SELF-LOCKING NUT
11	1	8130653	BLOCK - 3 SERVICE
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	8130124	RELIEF VALVE (140BAR)
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	7	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	1	7109151	CABLE CLAMP
35	11	9100204	SPRING WASHER
36	16	9243062	CAPSCREW
37	1	43497.02	PLATE BRACKET
38	1	7194277	VALVE COVER
39	1	41844.02	LOOM - 14 CORE PLUG IN
40	1	7313282	CAB MOUNTING KIT
41	6	9313054	SETSCREW
42	1	8402338	LOOM - ANGLE FLOAT
43	1	8581460	ADAPTOR TEE - MFM
44	1	8581338	ADAPTOR - 90° MF
45	2	8581254	ADAPTOR TEE - MFM
46	1	8130083	ADAPTOR RELIEF BODY
47	1	8130156	RELIEF VALVE HOUSING
48	1	8650104	BONDED SEAL
49	1	8130164	RELIEF VALVE (50BAR)
50	1	8116011	SPRING
51	1	04.056.25	ADAPTOR TEE - MF
52	1	10.001.05	HOSE - 1/4" BSP FS/FS x 250mm

Module:

8017037 – Armhead Control Lever & Cable Assembly

8017052 – Rotor Control Lever & Cable Assembly



PA35 Front Mount

LEVER & CABLE ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
1	3	8017037	LEVER & CABLE ASSEMBLY (Lift/Reach/Angle)
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 (BLACK)
	1	8017067	KNOB (GREEN)
	1	8017068	KNOB (YELLOW)
9	1	8017026	WEATHER GAITER
10	1	8017052	** 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 (RED)
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*

PA35 Front Mount

CONTROL BOX - Mini Single Lever



Modules:

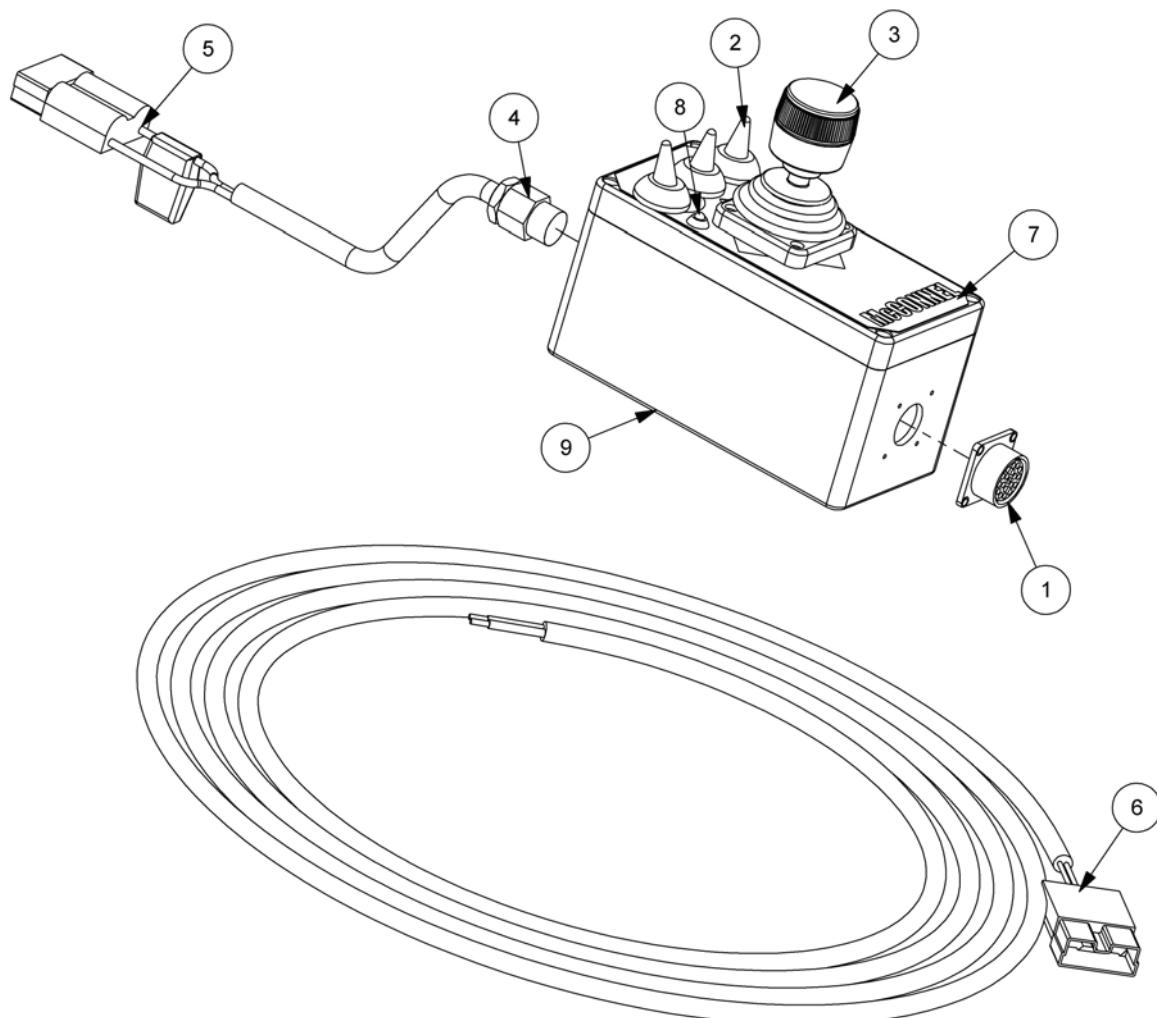
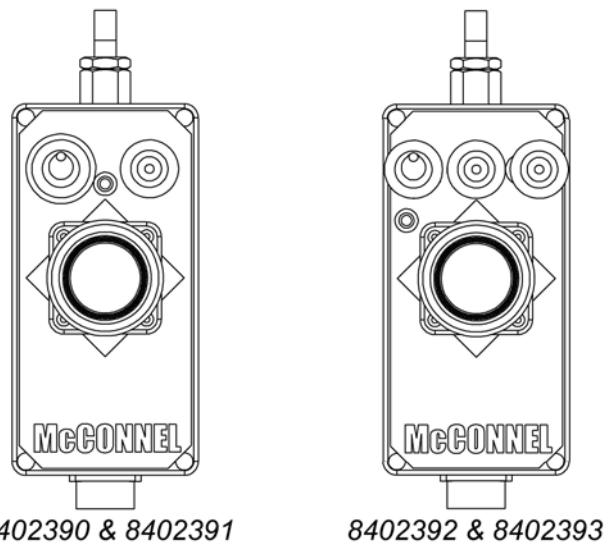
8402393 Illustrated

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



PA35 Front Mount

CONTROL BOX - Mini Single Lever

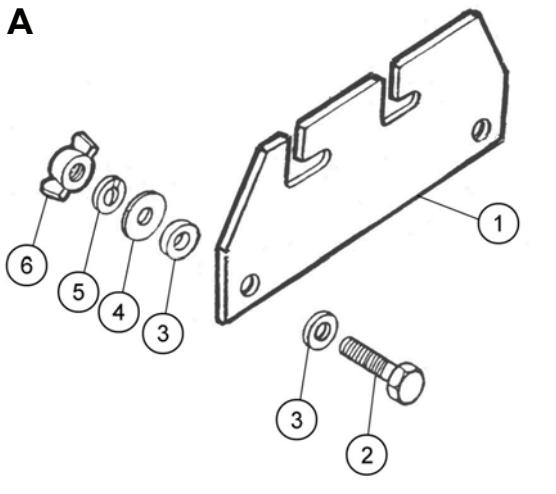
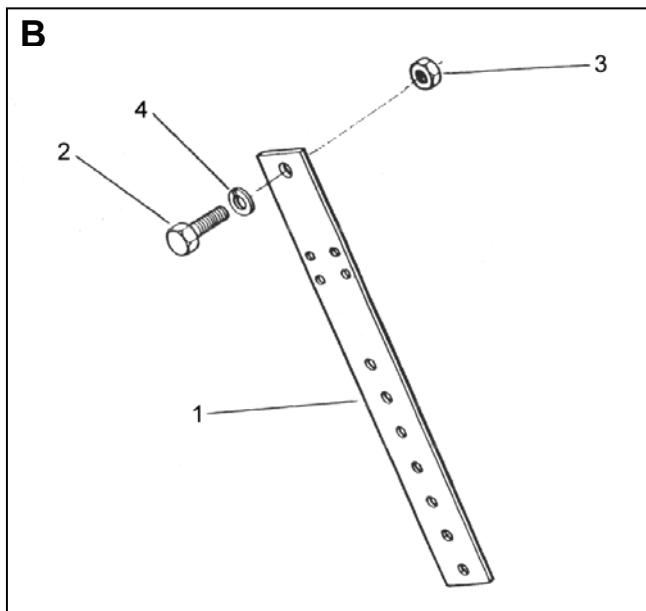
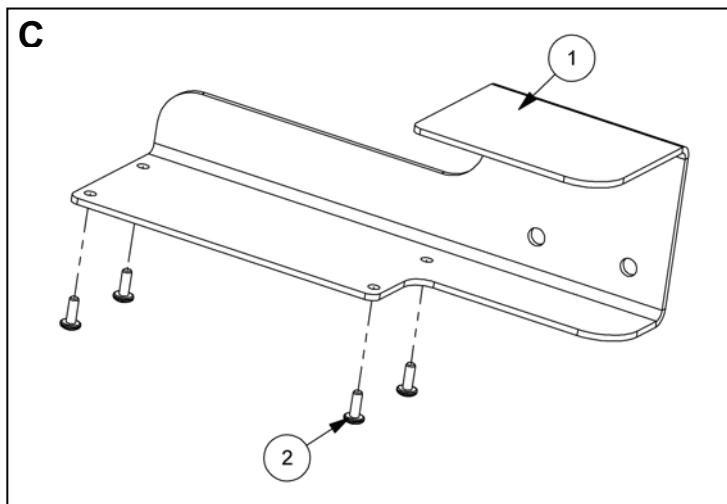


REF.	QTY.	PART No.	DESCRIPTION
		8402390	CONTROL BOX - B/B 2 Switch
		8402391	CONTROL BOX - Prop. B/B 2 Switch
		8402392	CONTROL BOX - Prop. B/B 3 Switch
		8402393	CONTROL BOX - Prop. 3 Switch
1	1	8402189	PANEL MTG SHELL
2	3*	8402024	SWITCH COVER
3	1	8402246	JOYSTICK (4 AXIS)
4	1	8402149	GLAND - PLASTIC
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

Modules:

- 7313282 – Cable Controls (*Diagram A*)
7109319 – Electric Switchbox (*Diagram B*)
42442.01 – Proportional Control (*Diagram C*)

A**B****C**

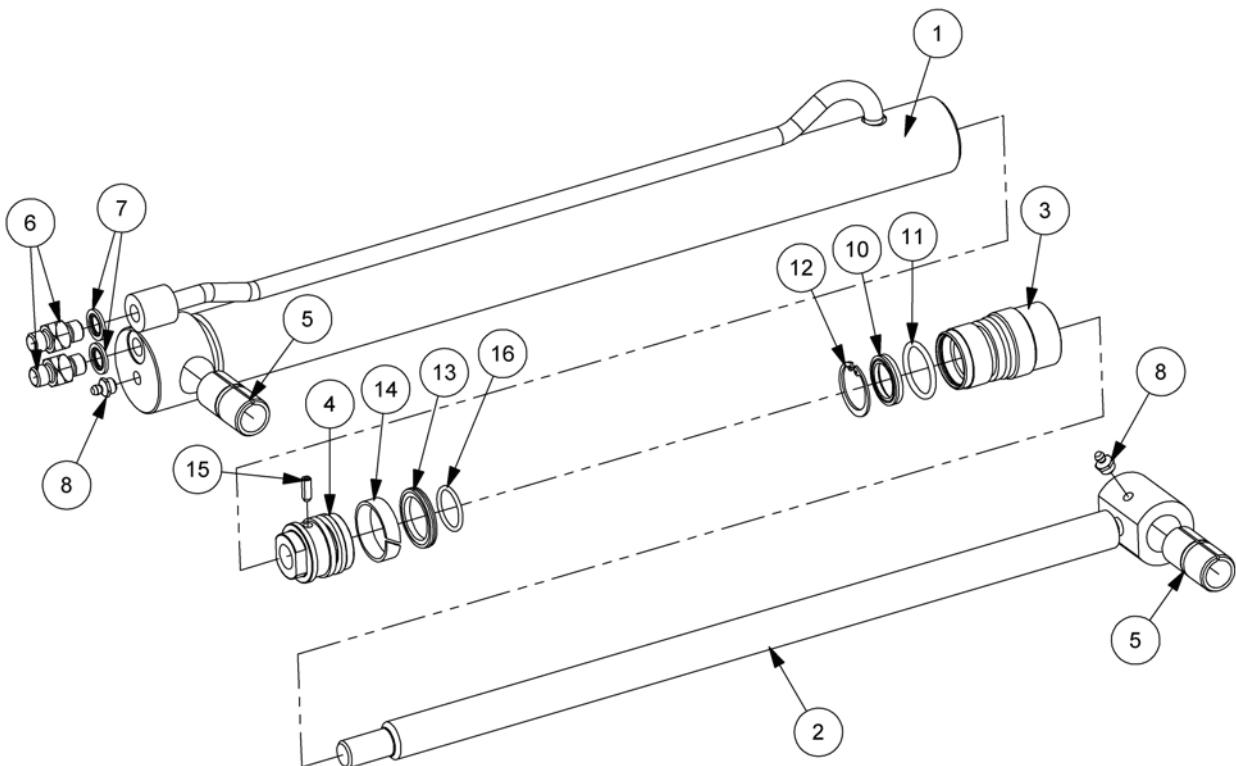


REF.	QTY.	PART NO.	DESCRIPTION
A		7313282	CABLE CONTROL UNIT MOUNTING
1	1	42491.01	BRACKET
2	2	9313094	SETSCREW
3	4	03.152.01	RUBBER WASHER
4	2	9100104	PLAIN WASHER
5	2	9100204	SPRING WASHER
6	2	9193004	WINGNUT

REF.	QTY.	PART NO.	DESCRIPTION
B		7109319	ELECTRIC SWITCHBOX CONTROL MOUNTING
1	1	7109146	PILLAR
2	1	9311086	SETSCREW
3	1	0111006	NUT
4	1	0100206	SPRING WASHER

REF.	QTY.	PART NO.	DESCRIPTION
C		42442.01	PROPORTIONAL CONTROL BOX
1	1	42442.01	CONTROL BOX BRACKET
2	4	2800243	SELF TAPPING SCREW

Module:
21856.01



REF.	QTY.	PART No.	DESCRIPTION
		21856.01	ANGLE RAM ASSEMBLY
1	1	21859.01	RAM BARREL
2	1	21857.01	PISTON ROD
3	1	1090273	GLAND HOUSING
4	1	21858.01	PISTON
5	1	1090005	RAM BUSH
6	2	8130037	ADAPTOR RESTRICTOR
7	2	8650102	BONDED SEAL
8	2	0901121	GREASE NIPPLE
9	1	8129161	SCRAPER RING
10	1	8629162	GLAND SEAL
11	1	8600123	O RING
12	1	0411234	CIRCLIP
13	1	8629240	PISTON SEAL
14	1	8629241	BEARING RING
15	1	42775.03	DOWEL
16	1	8600120	O RING

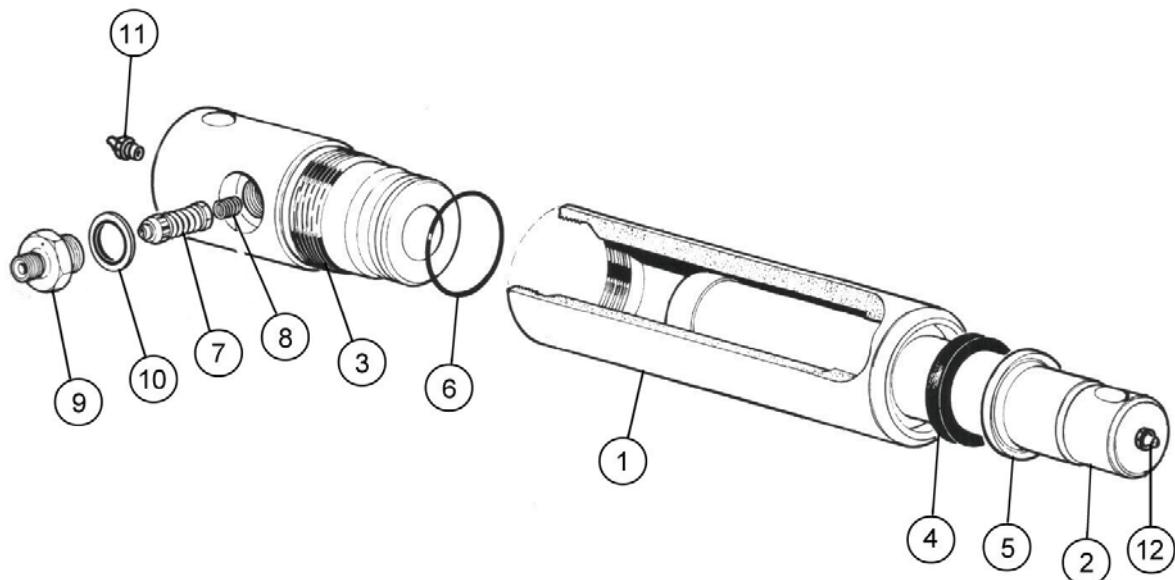
PA35 Front Mount

BREAKAWAY RAM ASSEMBLY



Module:

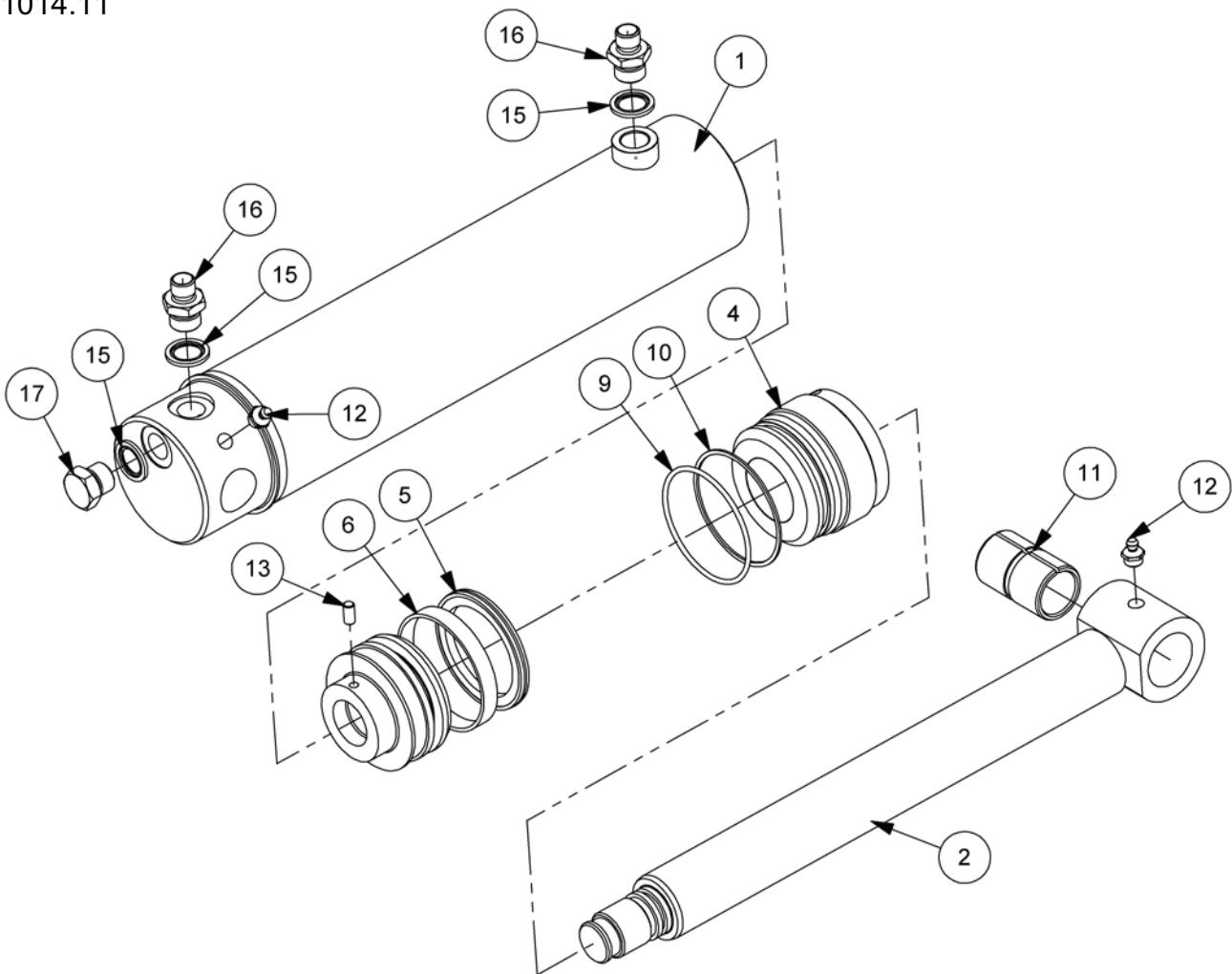
41322.02



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
12	1	8581360	ADAPTOR
13	1	8581363	SWIVEL ELBOW

Module:

41014.11



REF.	QTY.	PART No.	DESCRIPTION
		41014.11	LIFT RAM ASSEMBLY
1	1	41034.04	RAM BARREL
2	1	41035.04	PISTON ROD
3	1	7120383	PISTON
4	1	7120384	GLAND HOUSING
5	1	8629189	PISTON SEAL
6	1	8629190	GUIDE RING
7	1	8629164	GLAND SEAL
8	1	8629147	SCRAPER RING
9	1	8600429	O RING
10	1	8609429	AE RING
11	1	7105050	ROD END BUSH
12	2	0901124	GREASE NIPPLE - 67°
13	1	9363023	GRUB SCREW
14	1	8600403	O RING
15	3	8650103	BONDED SEAL
16	2	46518.08	RESTRICTOR UNION
17	1	8003001	ADAPTOR PLUG

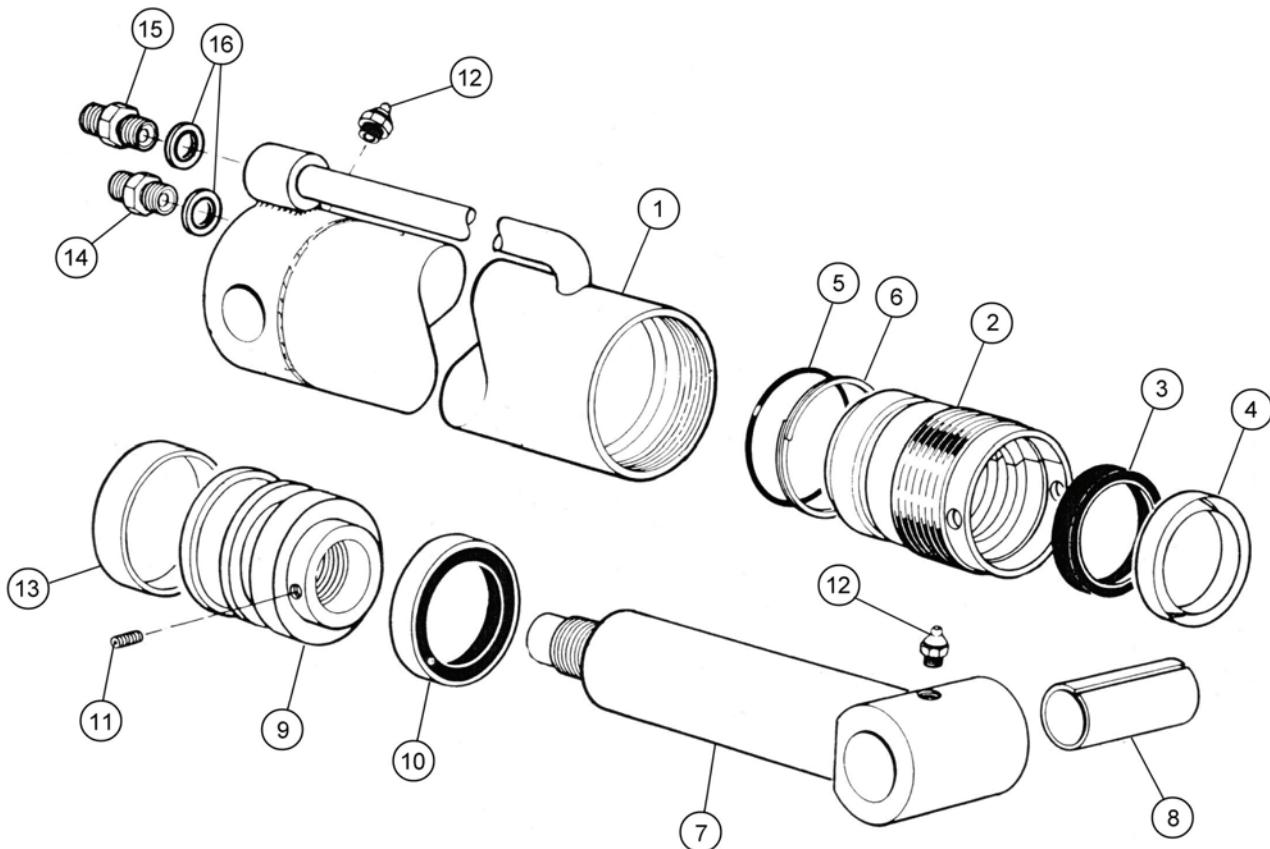
PA35 Front Mount

REACH RAM ASSEMBLY



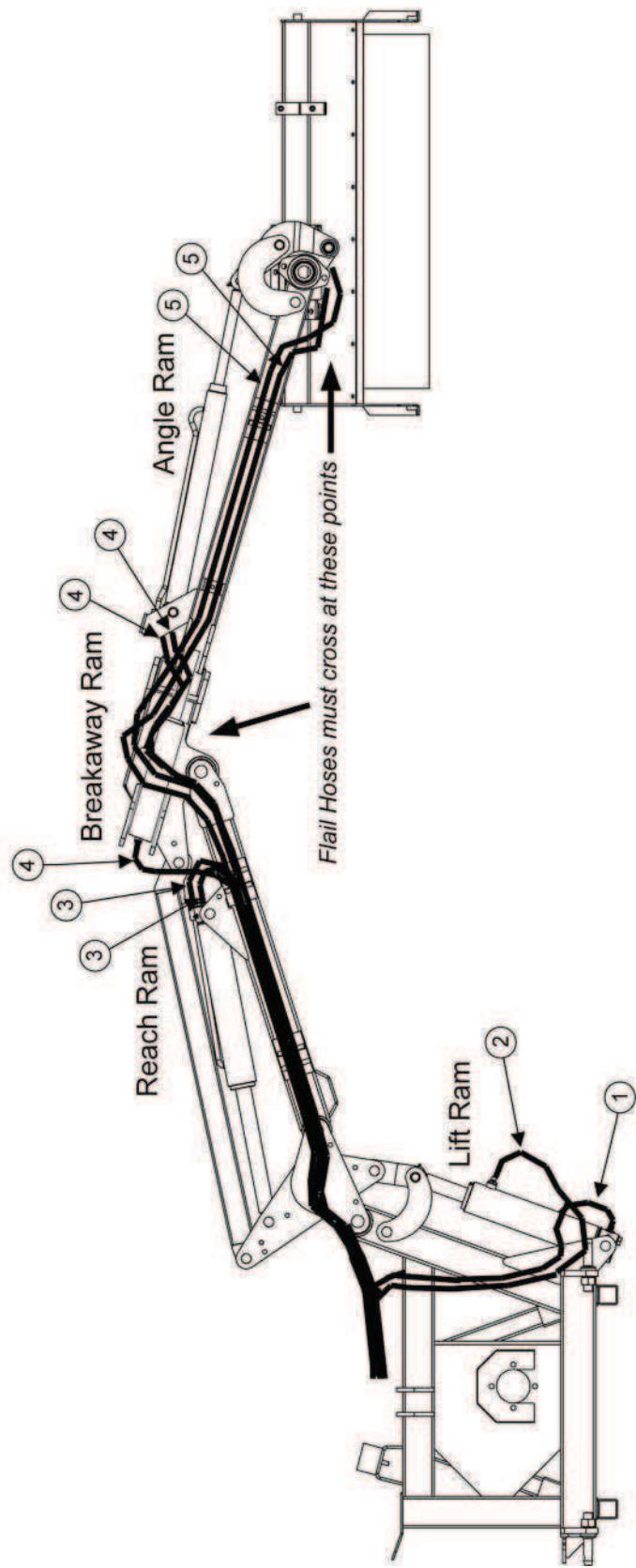
Module:

41015.03



REF.	QTY.	PART No.	DESCRIPTION
		41015.05	REACH RAM ASSEMBLY
1	1	41036.01	RAM BARREL
2	1	1186512	GLAND HOUSING
3	1	8629164	GLAND SEAL
4	1	8629147	WIPER SEAL
5	1	8600306	O RING
6	1	8609306	AE 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
12	2	0901121	GREASER
13	1	8627157	GUIDE RING
14	1	8124101	RESTRICTOR UNION
15	1	8124105	RESTRICTOR UNION
16	2	8650103	BONDED SEAL
		8699217	SEAL KIT

Module:
41320.12



*It is always advisable when replacing hoses to run the new hose alongside the old one to ensure the correct routing before removal of the old hose
- failure to route the hose correctly may result in damage to the hose due to chaffing or pinching.*

PA35 Front Mount

HYDRAULIC HOSE INSTALLATION

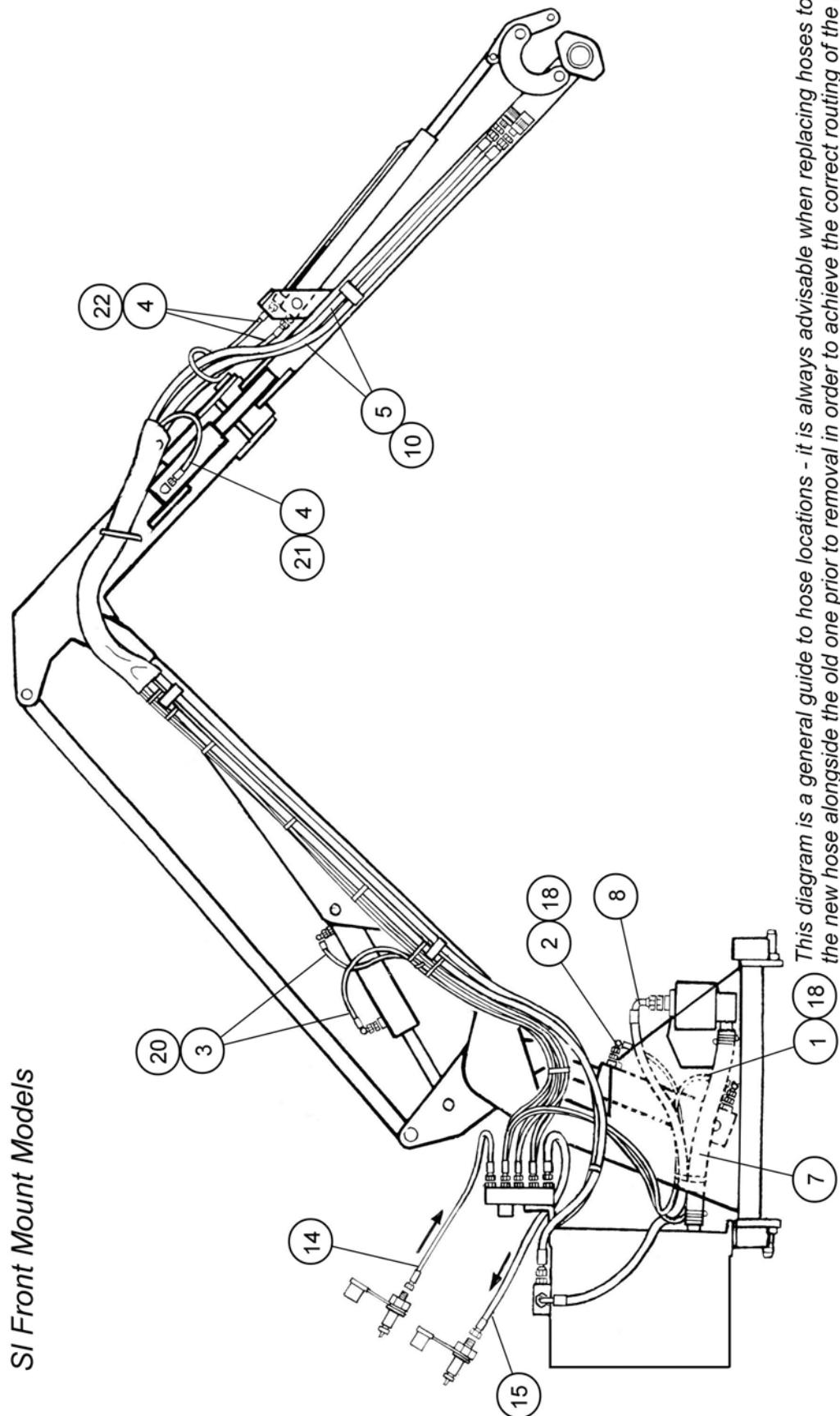


REF.	QTY.	PART No.	DESCRIPTION
		41320.12	HOSE KIT - Front Mount Models without Pump & Valve
1	1	10.002.25	HOSE - 1/4" BSP ST/90 x 1500mm Lift Base
2	1	10.002.26	HOSE - 1/4" BSP ST/90 x 1600mm Lift Gland
3	2	10.001.38	HOSE - 1/4" BSP FS/FS x 2800mm Reach Base/Gland
4	3	10.001.42	HOSE - 1/4" BSP ST/ST x 3200mm Angle Base/Gland + B/way
5	2	10.007.48	HOSE - 5/8" BSP FS/FS x 3800mm Flail Head

Modules:

41320.12 – R/H SI Models without Pump & Valve (Front Mount).

41320.15 – R/H SI Cable Models (Front Mount).



PA35 Front Mount

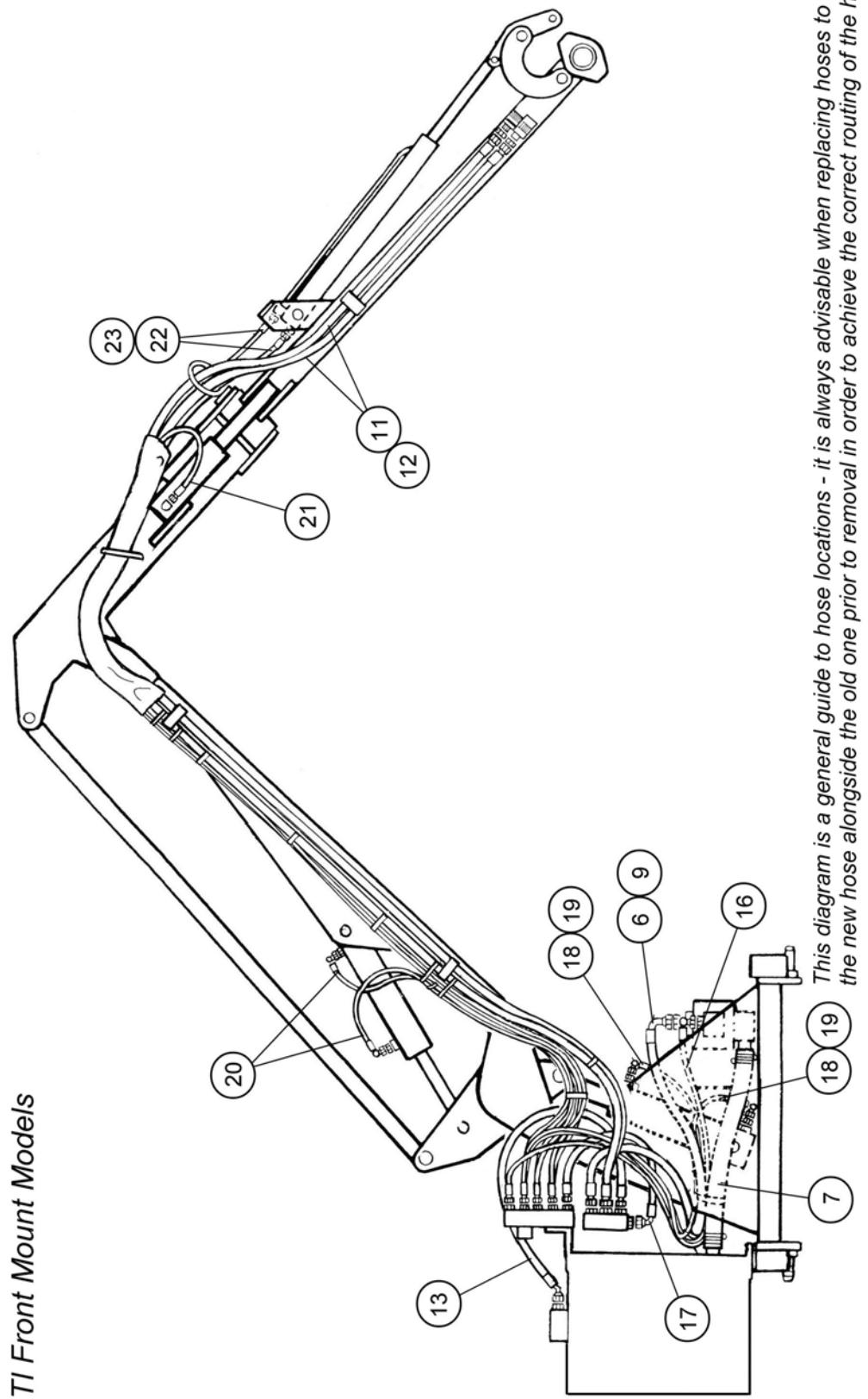
HOSE KITS – SI/TI F/Mount Models



REF.	QUANTITY	PART No.	DESCRIPTION
		41320.12	HOSE KIT R/H F/MOUNT - No Valve & Pump Models
		41320.15	HOSE KIT R/H F/MOUNT - 1000rpm SI Cable Models
		41320.17	HOSE KIT R/H F/MOUNT - 1000rpm TI Cable Models
		41320.19	HOSE KIT R/H F/MOUNT - 1000rpm TI Electric Models
1	1 - - -	10.002.25	HOSE - 1/4" BSP FS/F90 x 1500mm <i>Lift Base</i>
2	1 - - -	10.002.26	HOSE - 1/4" BSP FS/F90 x 1600mm <i>Lift Gland</i>
3	2 - - -	10.001.38	HOSE - 1/4" BSP FS/FS x 2800mm <i>Reach Base & Gland</i>
4	3 - - -	10.001.42	HOSE - 1/4" BSP FS/FS x 3200mm <i>Angle B & G+ B/Way</i>
5	2 - - -	10.007.48	HOSE - 5/8" BSP FS/FS x 3800mm <i>Flail Hoses</i>
6	- - 1 -	10.008.22	HOSE - 5/8" BSP FS/F90 x 1200mm <i>Pump to Cable RCV</i>
7	- 1 1 1	8501139	HOSE - 1-1/4" BORE x 635mm <i>Suction</i>
8	- 1 - -	8501250	HOSE - 5/8" BSP FS/F135 x 52" <i>Pump to Tank</i>
9	- - - 1	10.007.19	HOSE - 5/8" BSP FS/FS x 950mm <i>Pump to RCV</i>
10	- 2 - -	10.007.45	HOSE - 5/8" BSP FS/FS x 3500mm <i>Flail Hoses</i>
11	- - 2 1	10.007.42	HOSE - 5/8" BSP FS/FS x 3200mm <i>Flail</i>
12	- - - 1	10.007.41	HOSE - 5/8" BSP FS/FS x 3100mm <i>Flail Return</i>
13	- - 1 1	10.008.12	HOSE - 5/8" BSP FS/F90 x 600mm <i>RCV Return</i>
14	- 1 - -	10.004.30	HOSE - 3/8" BSP FS/F90 x 2000mm <i>SI Supply</i>
15	- 1 - -	10.006.30	HOSE - 1/2" BSP FS/F90 x 2000mm <i>SI Return</i>
16	- - - 1	10.004.22	HOSE - 3/8" BSP FS/F90 x 1200mm <i>Pump to ACV</i>
17	- - - 1	10.006.13	HOSE - 1/2" BSP FS/F90 x 650mm <i>ACV to RCV Return</i>
18	- 2 2 -	10.002.22	HOSE - 1/4" BSP FS/F90 x 1200mm <i>Lift Base & Gland</i>
19	- - - 2	10.002.21	HOSE - 1/4" BSP FS/F90 x 1100mm <i>Lift Base & Gland</i>
20	- 2 2 2	10.001.32	HOSE - 1/4" BSP FS/FS x 2200mm <i>Reach Base & Gland</i>
21	- 1 1 1	10.002.35	HOSE - 1/4" BSP FS/F90 x 2500mm <i>Breakaway</i>
22	- 2 2 -	10.001.34	HOSE - 1/4" BSP FS/FS x 2400mm <i>Angle Base & Gland</i>
23	- - - 2	10.001.33	HOSE - 1/4" BSP FS/FS x 2300mm <i>Angle Base & Gland</i>

**Modules:**

- 41320.17 – R/H TI Cable Models (Front Mount).
41320.19 – R/H TI Electric Models (Front Mount).



PA35 Front Mount

HOSE KITS – SI/TI F/Mount Models



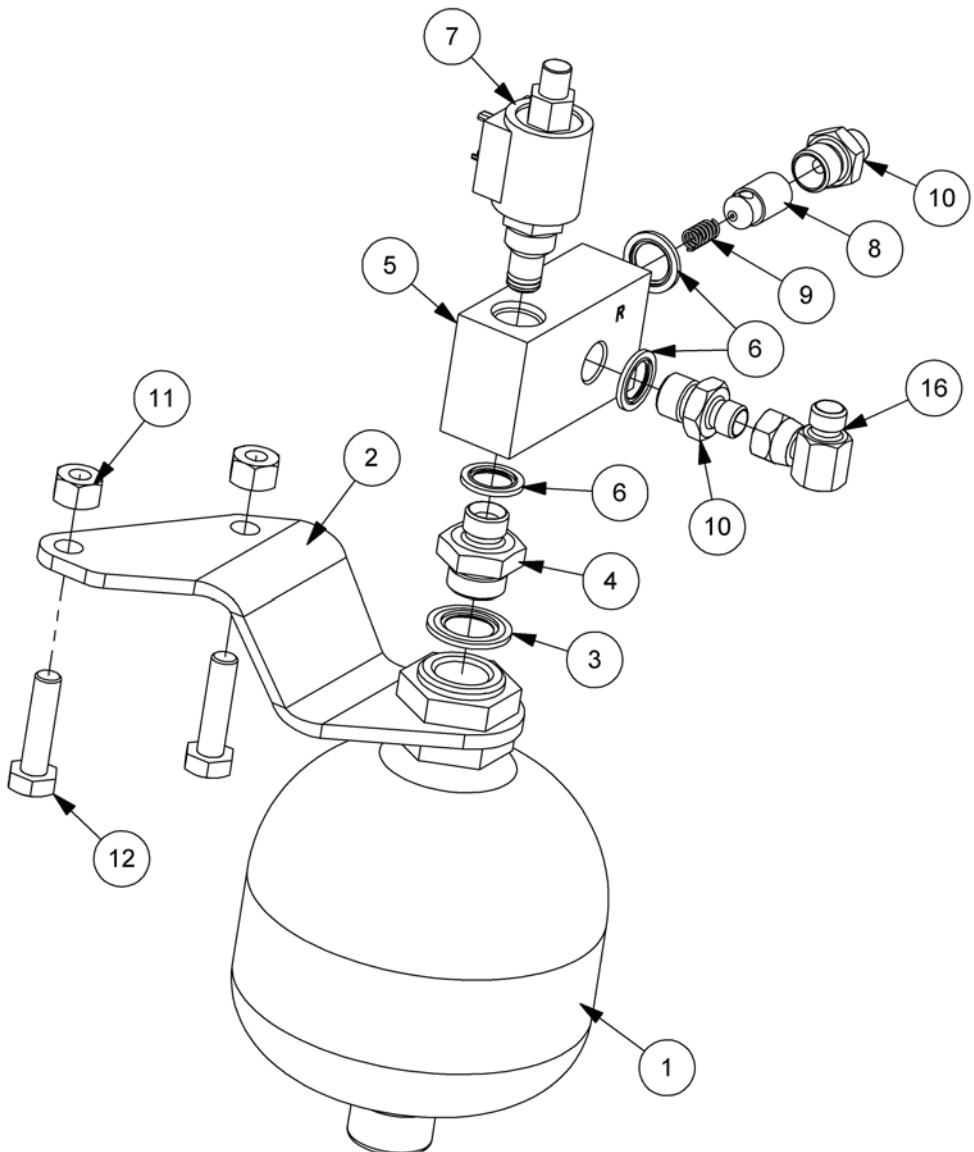
REF.	QUANTITY	PART No.	DESCRIPTION
		41320.12	HOSE KIT R/H F/MOUNT - No Valve & Pump Models
		41320.15	HOSE KIT R/H F/MOUNT - 1000rpm SI Cable Models
		41320.17	HOSE KIT R/H F/MOUNT - 1000rpm TI Cable Models
		41320.19	HOSE KIT R/H F/MOUNT - 1000rpm TI Electric Models
1	1 - - -	10.002.25	HOSE - 1/4" BSP FS/F90 x 1500mm <i>Lift Base</i>
2	1 - - -	10.002.26	HOSE - 1/4" BSP FS/F90 x 1600mm <i>Lift Gland</i>
3	2 - - -	10.001.38	HOSE - 1/4" BSP FS/FS x 2800mm <i>Reach Base & Gland</i>
4	3 - - -	10.001.42	HOSE - 1/4" BSP FS/FS x 3200mm <i>Angle B & G+ B/Way</i>
5	2 - - -	10.007.48	HOSE - 5/8" BSP FS/FS x 3800mm <i>Flail Hoses</i>
6	- - 1 -	10.008.22	HOSE - 5/8" BSP FS/F90 x 1200mm <i>Pump to Cable RCV</i>
7	- 1 1 1	8501139	HOSE - 1-1/4" BORE x 635mm <i>Suction</i>
8	- 1 - -	8501250	HOSE - 5/8" BSP FS/F135 x 52" <i>Pump to Tank</i>
9	- - - 1	10.007.19	HOSE - 5/8" BSP FS/FS x 950mm <i>Pump to RCV</i>
10	- 2 - -	10.007.45	HOSE - 5/8" BSP FS/FS x 3500mm <i>Flail Hoses</i>
11	- - 2 1	10.007.42	HOSE - 5/8" BSP FS/FS x 3200mm <i>Flail</i>
12	- - - 1	10.007.41	HOSE - 5/8" BSP FS/FS x 3100mm <i>Flail Return</i>
13	- - 1 1	10.008.12	HOSE - 5/8" BSP FS/F90 x 600mm <i>RCV Return</i>
14	- 1 - -	10.004.30	HOSE - 3/8" BSP FS/F90 x 2000mm <i>SI Supply</i>
15	- 1 - -	10.006.30	HOSE - 1/2" BSP FS/F90 x 2000mm <i>SI Return</i>
16	- - - 1	10.004.22	HOSE - 3/8" BSP FS/F90 x 1200mm <i>Pump to ACV</i>
17	- - - 1	10.006.13	HOSE - 1/2" BSP FS/F90 x 650mm <i>ACV to RCV Return</i>
18	- 2 2 -	10.002.22	HOSE - 1/4" BSP FS/F90 x 1200mm <i>Lift Base & Gland</i>
19	- - - 2	10.002.21	HOSE - 1/4" BSP FS/F90 x 1100mm <i>Lift Base & Gland</i>
20	- 2 2 2	10.001.32	HOSE - 1/4" BSP FS/FS x 2200mm <i>Reach Base & Gland</i>
21	- 1 1 1	10.002.35	HOSE - 1/4" BSP FS/F90 x 2500mm <i>Breakaway</i>
22	- 2 2 -	10.001.34	HOSE - 1/4" BSP FS/FS x 2400mm <i>Angle Base & Gland</i>
23	- - - 2	10.001.33	HOSE - 1/4" BSP FS/FS x 2300mm <i>Angle Base & Gland</i>

PA35 Front Mount

LIFT FLOAT KIT



Module:
8126346



PA35 Front Mount

LIFT FLOAT KIT



REF.	QTY.	PART No.	DESCRIPTION
		8126346	LIFT FLOAT KIT
1	1	8126042	ACCUMULATOR
2	1	21924.01	ACCUMULATOR BRACKET
3	1	8650322	BONDED SEAL
4	1	G2410380	ADAPTOR
5	1	8126287	LIFT FLOAT VALVE BLOCK
6	3	8650103	BONDED SEAL
7	1	8130183	VALVE POPPET
8	1	8126037	RESPONSE PISTON
9	1	8116011	SPRING
10	2	8581115	ADAPTOR
11	2	9143005	SELF-LOCKING NUT
12	2	9213085	BOLT
13	1	8402159	* HARNESS
14	1	1290061	* OPERATION DECAL
15	1	10.002.11	* HOSE - 1/4" BSP FS/F90 x 550mm
16	1	8581190	ADAPTOR ELBOW - 90°

* *not illustrated*

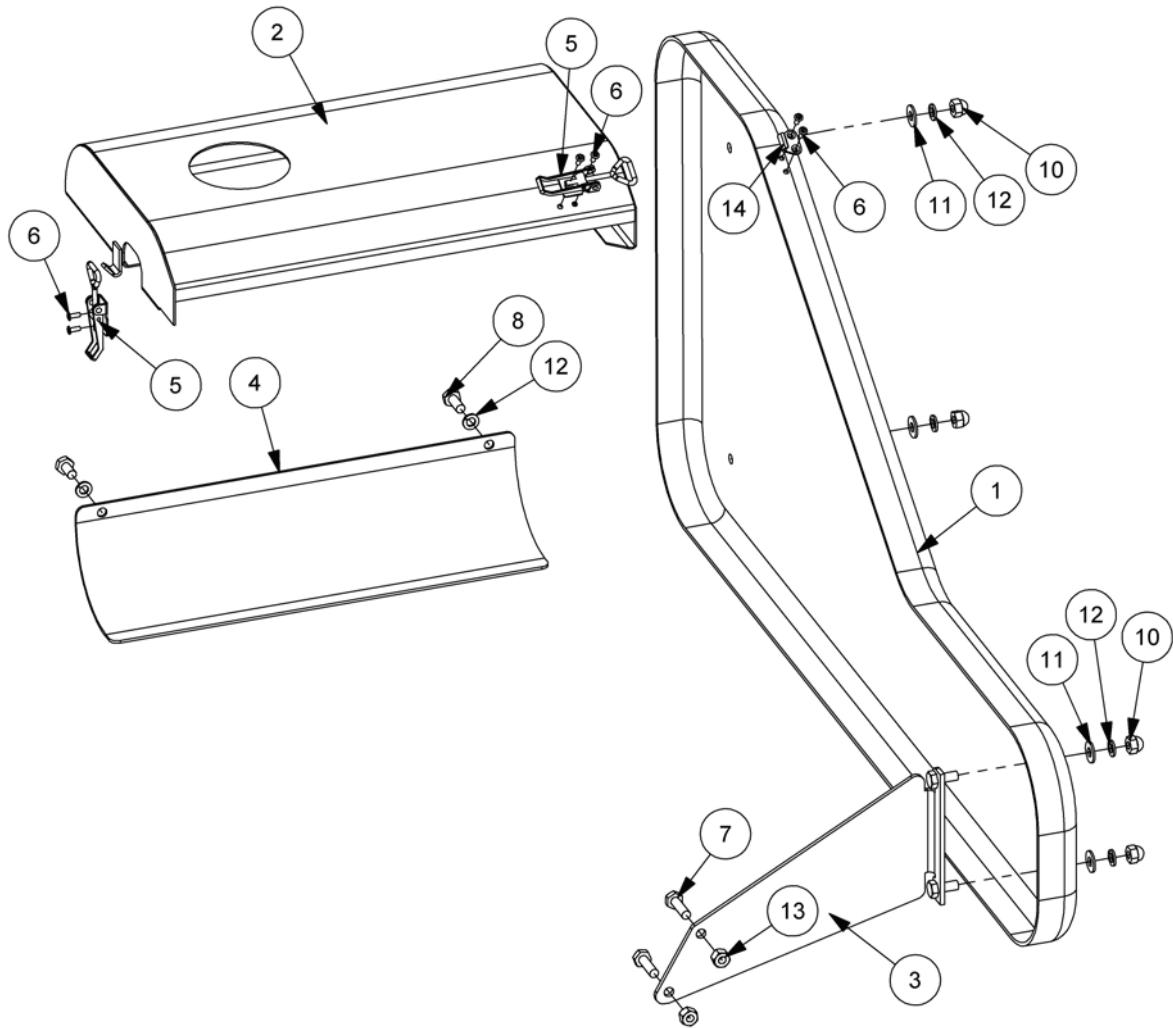
PA35 Front Mount

COVERS ASSEMBLY



Module:

Module:
7490798



PA35 Front Mount

COVERS ASSEMBLY



REF.	QTY.	PART No.	DESCRIPTION
		7490798	COVERS ASSEMBLY
1	1	45629.01	COVER MOULDING
2	1	45633.01	TANK COVER
3	1	45636.05	COVER BRACKET
4	1	45638.01	TANK FAIRING
5	2	43449.02	OVERCENTRE FASTENER
6	6	1069088	POP RIVET
7	2	9313075	SETSCREW
8	1	9313055	SETSCREW
9	1	9313045	SETSCREW
10	4	9100025	DOME NUT
11	4	9100105	FLAT WASHER
12	6	9100205	SPRING WASHER
13	2	9143005	SELF-LOCKING NUT
14	1	46007.01	HOOK - OVERCENTRE FASTENER

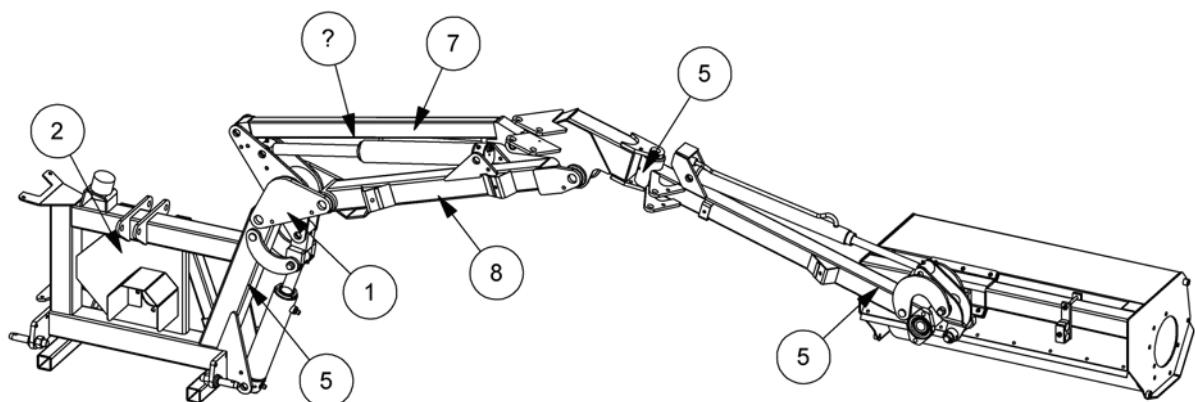
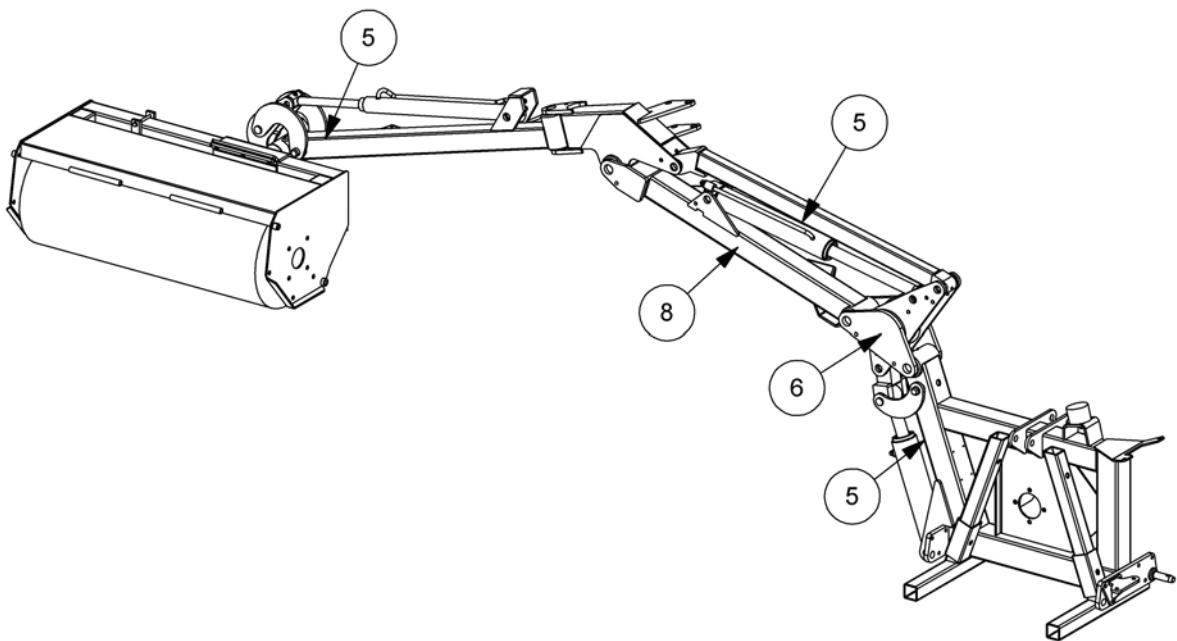
PA35 Front Mount

MACHINE DECALS



Module:

7490796



PA35 Front Mount

MACHINE DECALS



REF.	QTY.	PART No.	DESCRIPTION
		7490796	DECAL KIT - PA35 Front Mount
1	1	7105130	DECAL - READ THE BOOK FIRST
2	1	7135295	DECAL - TIGHTEN CHECK CHAINS
3	1	1290074	DECAL - SLING HERE
4	1	1290352	DECAL - CAB (ENGLISH/FRENCH)
5	5	02962764	DECAL - PINCH POINT
6	1	1290296	DECAL - LOGO
7	1	1290403	DECAL - BREAKAWAY WARNING
8	2	1290255	DECAL - McCONNEL

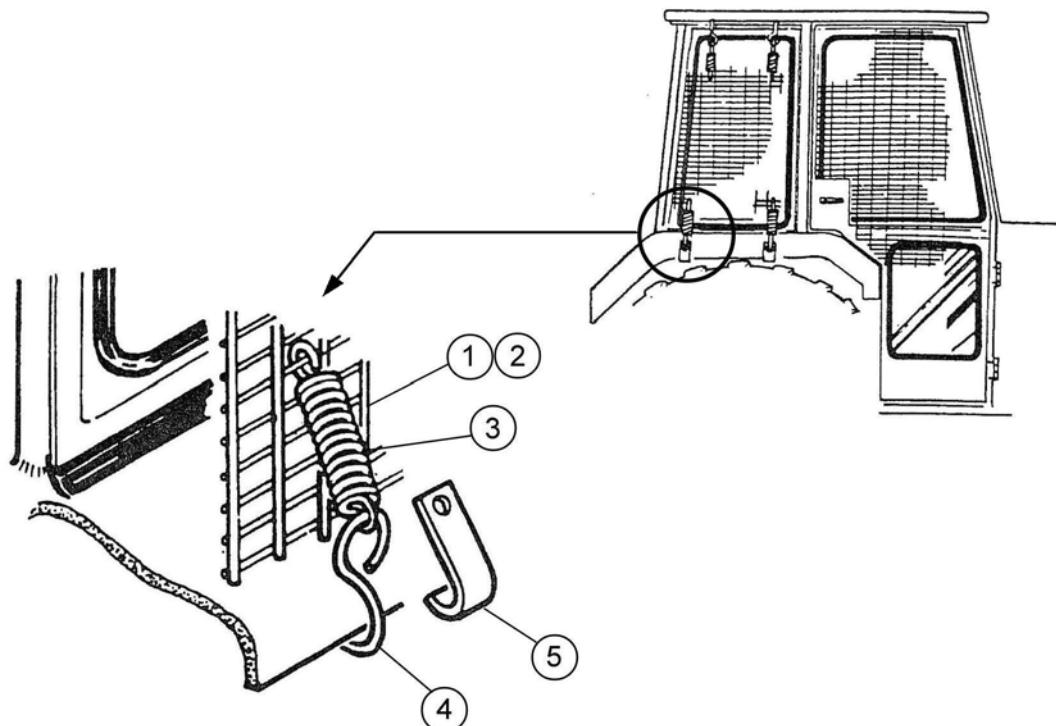
PA35 Front Mount

CAB GUARD KIT



Module:

7313324



REF.	QTY.	PART No.	DESCRIPTION
		7313324	CAB GUARD & MOUNTING KIT
1	1	7313049	GUARD PANEL - LARGE
2	1	7313050	GUARD PANEL - SMALL
3	12	6001064	SPRING
4	6	6001065	HOOK
5	6	7313051	HOOK

Fault finding

Symptom

Rams react slowly or are spongy

Possible cause

- a. *Air in the system caused by leaks on the suction pipe or connections*
- b. *Very low oil level*
- c. *Blocked reservoir breather should be replaced every 1500 hours*
- d. *Worn pump*
- e. *Low voltage on proportional machines*

Arm will not lift at full reach - lacks power

- a. *Faults as above*
- b. *Main relief valve set too low or defective*
- c. *Main relief valve stuck open or seating worn*
- d. *Control valves not opening fully*
- e. *Cut-off not closing fully*
- f. *Worn pump*

Excessive system noise

- a. *Excessive rotor speed due to incorrect pump or motor*
- b. *Aeration of oil*
- c. *Sticking cut-off valve*

Ram creep

Double acting ram creeps in. The leak is in the control valve either through a service line relief valve, if fitted, or past the spool on a cable controlled machine or past the check valve on an electric machine.

Double acting ram creeps out. It can be the causes above or the ram seals. Fit a tap into the gland pipe and turn it off, if the creep stops the leak is in the valve.

Remember double acting rams can only creep out if the seals have failed.

Lift ram creep

On all machines the lift ram is working in single acting mode so if it is creeping down it is possible the ram seals have failed. Also on all machines with power slew the lift ram is connected to slew/break-back ram when in auto reset mode, so a leak in the slew circuit will show up as lift ram creep.

Arm creeps down in Power Slew and Auto reset modes then the leak is in the lift ram circuit. Fit a tap into the lift ram hose, if the creep stops when the tap is turned off the leak is through the check valve, if it continues the ram seals are at fault.

Arm creeps down in Power Slew but stops when switched to auto reset, the leak is in the slew circuit through either the slew relief valve, slew ram seals or slew check valve.

Auto Reset.

Auto reset or safety break back is designed into all McConnel hedge cutters, and is achieved either mechanically, or hydraulically, when the flail head encounters an obstruction to forward motion.

On the mechanical system a gravity, spring assisted breakaway is complimented by pre tensioned rubber spring to absorb reset forces. With the hydraulic system of auto reset, the base port of the lift ram is connected to one side of the slew ram and the other side is opened to tank return (to prevent cavitation). When auto reset is engaged, either by cable controlled spool valve, or electric solenoid valve, any movement of the main / dipper arms in a rearward direction, transfers oil from the slew ram to the lift ram thereby lifting the arm head up and out of the obstruction. On clearing the obstruction, gravity, and the ram pressure differential ensures that the arm head returns to the original working position and height.

General test procedures

Main lift ram creep.

Ram creeps down in auto reset only.

Possible cause,

- a. *Lift ram seals leaking. Fit tap to lift base connection and turn off. (If ram continues to creep, ram seals are suspect.)*
- b. *Lift base check valve defect. Check valve can be tested with a manual hydraulic pump and pressure gauge by pumping oil into the lift base port on slew block. (Do not exceed 138 bar when conducting this test.) It is possible to test all other check valves in the same way.*
- c. *Slew relief valve defect. Test relief valve with manual hydraulic pump and pressure gauge, connected to the port stamped SG on the slew block, it should reseat within 40 bar. (Check handbook for correct pressure).*
- d. *Slew check valve leaking. Change check valve with one from another service.*
- e. *Slew ram seals leaking. Fit tap in slew ram line and turn off. (Arm head should remain rigid.)*

Note: Machine to be in power slew mode when conducting these

Several types of slew valve block have been used over the years.

PA50, PA500, PA96, PA97, PA2050, PA5000, PA6000 and PA7000 use a slew block with only slew relief valve fitted.

PA52 and PA59 use a slew valve block incorporating a slew relief valve and a lift ram base end relief valve set at 210 bar, which can be an additional leak path when lift ram creep is present.

The type of relief valve used in this block has given problems of leakage round the valve seat. If these persist in the field a slew relief valve kit can be fitted in place of the existing valve.

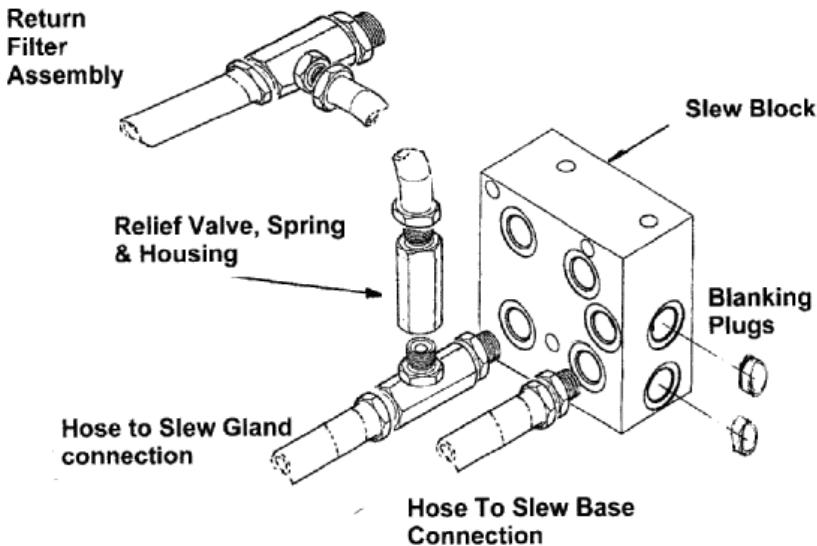
Slew Relief Valve Kit

Parts required for external slew relief valve kit PA52 & PA59

Part No.	Qty.	Description
8581254	1	¼ BSP M-F-M Tee
8650102	1	Bonded Seal
8130156	1	Relief valve housing
8130083	1	Relief valve body
8650104	1	Bonded seal
8116011	1	Spring
04.056.25	1	½ BSP-½BSP-½ BSP F-M-M
8130092	1	Relief valve c/w spring
8535012	1	Hose
8128066	2	Blanking plug



R.V. Detail



PA55, PA60, PA65, PA550, PA650, and PA5600 to PA8000

There are three valves in the slew block on these machine models. (See diagram following text.)

No 1. Is a 3-way valve, hydraulically operated by pressure from the base end of the lift ram. When the lift ram is pressurized, this valve opens to allow the oil from the gland side of the lift ram to return to tank.

With no pressure in the lift base, the valve closes to allow 40 bar of oil pressure to be diverted to the lift gland via relief valve No 2. To test this, release all pressure from lift base connection No 6, and connect manual hydraulic pump with pressure gauge to union No 5.

The relief valve No 3. is the slew relief. This valve is set at 175 bar and is only normally activated when the machine is in manual reset.

To check or adjust this valve, connect manual hydraulic pump and pressure gauge to union No 4.

Both valves are adjustable externally with a screwdriver.

By using a manually operated hydraulic pump / pressure gauge it is not only possible to set the pressure accurately, but also to check for leakage.

Main lift ram creep.

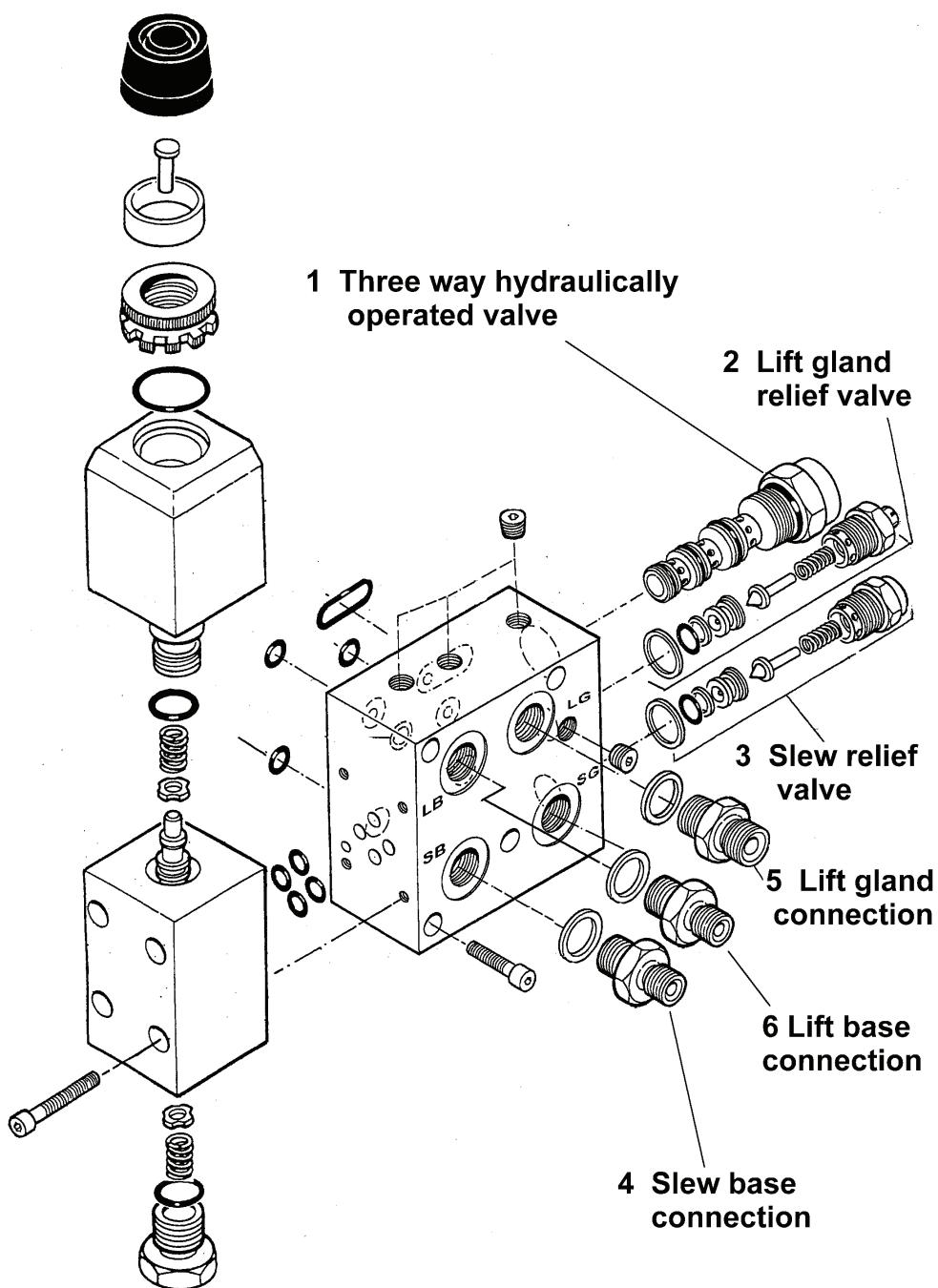
Ram creeps in auto reset only.

- a. *Slew relief valve defect. Test relief valve with manual hydraulic pump and pressure gauge connected to union No 4.*
- b. *Slew ram seals leaking. Fit tap to slew ram base hose, lift main arm in auto reset then turn tap off. If creep is eliminated, then ram or ram seal are defective.*
- c. *Slew base check valve. Because check valve and relief valve are always in the same line, it is more expedient to change the check valve with one from another service first.*

Ram creeps down in manual and auto reset.

- a. *Lift ram seals leaking. Fit tap to lift base connection and turn off. (If ram continues to creep, ram seals are suspect.)*

b. Lift base check valve defect. Check valve can be tested with a manual hydraulic pump and pressure gauge by pumping oil into the lift base port, No. 6, on the slew block. (Do not exceed 138 bar when conducting this test.)

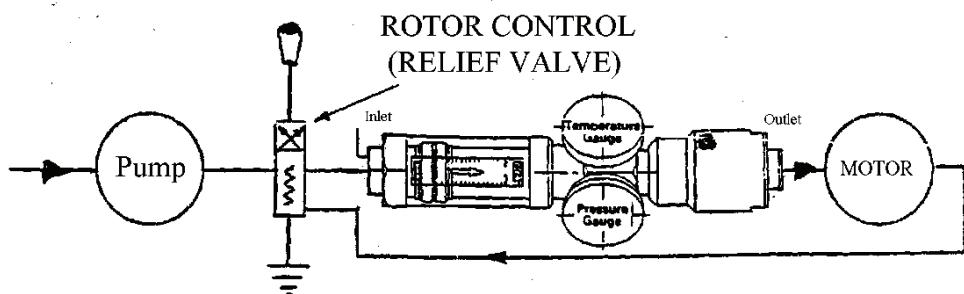


Testing the Flail Circuit.

Complaint 1 – Loss of power.

- a. Check oil level, oil condition and specification. Take oil sample in clean glass jar. It should be clear not cloudy, and have no burnt smell. If in doubt replace oil and filters. Check for possible restriction due to incorrect hoses, unions, etc.
- b. Check condition of flails and ensure that the machine is not being forced beyond its safe limit. Flails designed for hedge cutting take considerably more power when cutting grass!
- c. Check that the rotor control spool moves through its full travel (Cable rotor control) and that the lever detent has a positive action.
- d. Use a flow meter with pressure gauge to test the pump condition. See diagram 1. for installation. Test meter restriction control must be fully OPEN at this stage.

Diagram 1.



Set the tractor to 540 rpm at the p.t.o. shaft for gear pumps or 800 rpm for piston pumps and NOTE the flow.

Gradually close the flow meter restriction control to raise pressure until the system relief valve operates, but OPEN the control if the relief has not opened at its pre-set pressure (consult machine handbook for correct setting.) If this situation arises, the relief valve must be reset, or replaced if its condition is suspect.

When satisfied that the relief valve is working correctly, the next step is to close the control to raise pressure to approximately 35 bar below relief valve setting. Ensure tractor retains a steady 540 rpm or 800 rpm at the p.t.o. and NOTE the flow under load.

$$\text{PUMP EFFICIENCY \%} = \frac{\text{FLOW UNDER PRESSURE (2nd reading)}}{\text{FLOW OPEN CIRCUIT (1st reading)}} \times 100$$

$$\text{Example} = \frac{41 \text{ litres / min}}{46 \text{ litres / min}} \times 100 = 89.1\% \text{ at test pressure of 138 bar.}$$

Note. A new pump has an efficiency rating of 90% plus however, when testing a machine in service, 85%+ at 172 bar. Is acceptable for practical purposes.

- e. If loss of hydraulic oil flow or pressure through the rotor relief control valve is suspected, the flow meter can be installed between the pump and the rotor control valve. However, great care must be taken to ensure that the flow meter restriction control is fully OPEN initially, and is closed gradually to ensure the pressure rating of the system is not exceeded.
- f. If rotor speed fluctuates and / or hydraulic oil becomes aerated, check all suction connections between tank and pump including flange face joints, threads and suction hose. On PA 2000 series machines ensure tank tap is fully open.

Note. It is rare for the tank suction strainer to cause an obstruction as it has a large surface area, but in the event of serious contamination, the tank should be drained and “back flushed”.

Testing the Motor.

An accurate assessment of motor efficiency can only be achieved by loading the motor with a Dynamometer. However, by elimination we can conclude that if the pump, rotor control, and rotor relief valve prove to be efficient at normal operating temperature, any remaining losses must be through the motor.

A reasonable indication of motor condition can be obtained in the field as follows: Install flow meter as shown in diagram 1. With the flow meter restriction control fully OPEN, the machine can be put to cut thick grass while the flow and pressure are monitored.

If the flail rotor slows down with no corresponding drop in flow through the flow meter, this indicates oil slippage through the motor.

Important. Never carry out this test with the flow meter close to the flail head and ensure that the ground is free of stones, sticks or any obstruction. The roller must be set to its lowest position. Observe all safety precautions!

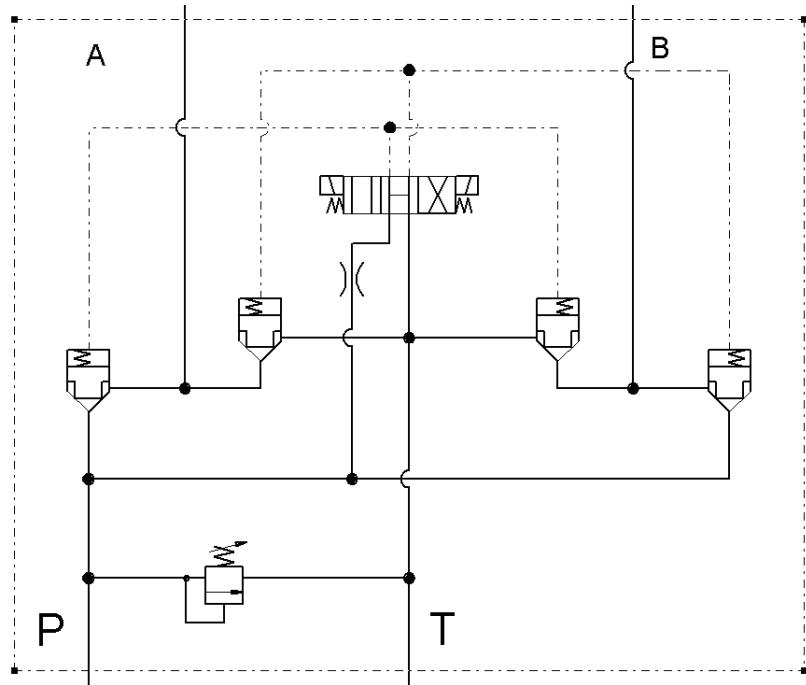
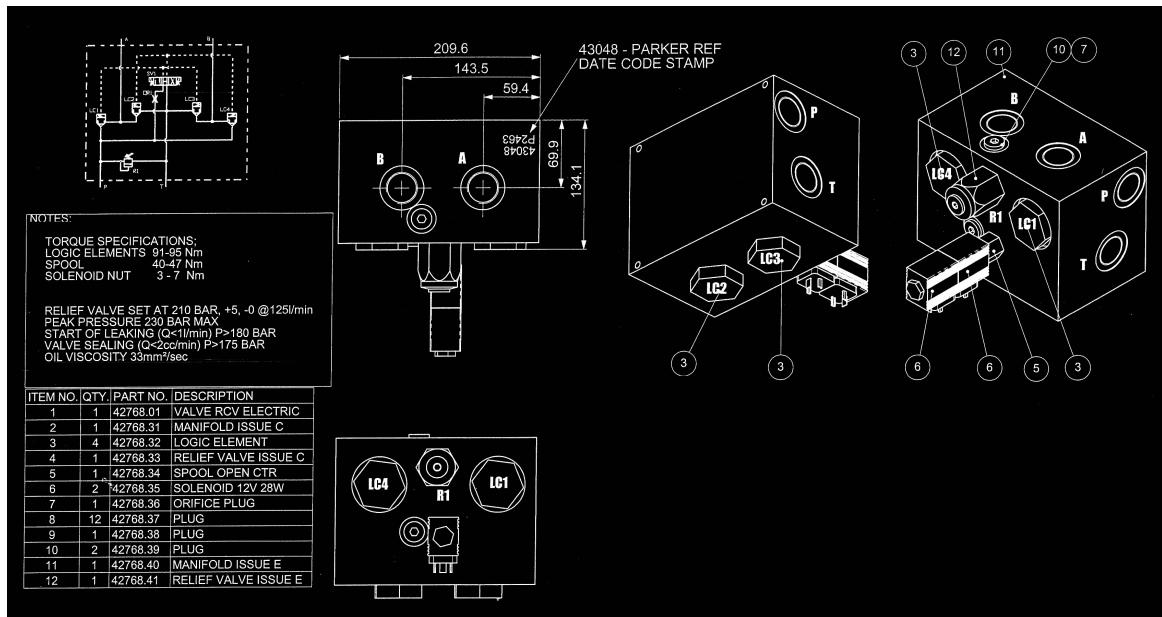
FLAIL CIRCUIT FLOW, PRESSURE AND ROTOR SPEED CHART

MODELS Part No.Range	HEAD DESCRIPTION	PTO rpm Running	PTO rpm Max	PUMP FLOW L/min Running Max	ROTOR SPEED rpm Running Max	Pressure bar
PA8000TT		1000	1000	122	122	310
	1.2m Multicut				3000	3000
PA55/60/65, PA5600, PA6400, PA6500T, PA7700TT, PA 550/650T, PA 5000-7000T GEAR		500	540	117	126	210
73 71 8..	1.2m Multicut Direct Drive Gear				2659	2872
	1.2m Multicut Belt Drive Gear				2659	2872
73 72 800	1.5m Supermulticut DD Gear				2659	2872
73 73 800	1.6m Multicut Direct Drive Gear				2340	2527
	1.6m Multicut Belt Drive Gear				2340	2527
PA5600, PA6400, PA6500T, PA7700TT, PA 550/650T, PA 5000-7000T PISTON (1000 PTO)		1000	1000	122	122	276
73 80 8..	1.2m Multicut Belt Drive Piston				3000	3000
73 80 85..	1.6m Multicut Belt Drive Piston				3000	3000
PA5600, PA6400, PA6500T, PA7700TT, PA 550/650T, PA 5000-7000T PISTON (800 PTO UK)		800	833	117	122	276
	1.2m Multicut Belt Drive Piston				2880	3000
	1.6m Multicut Belt Drive Piston				2880	3000
PA53		500	540	95	102	250
	1.2m Multicut Direct Drive				2557	2761
ECON			540		104	210
PA48, PA52, PA59, PA 93, PA 500, PA590 High power PA95-PA97, PA2050-PA2070		500	540	95	102	190
73 55 ...	1.2m Multicut Direct Drive				2557	2761
71 98 860	1.2m Supercut HP Direct Drive(PA590)				2557	2761
	1.5m Supermulticut Direct Drive					
PA47, PA 470, PA45, PA 93, PA 9058, PA92 Standard power		500	540	71	77	210
71 98 836	1.0m Supercut Direct Drive				2447	2642
71 98 837	1.2m Supercut Direct Drive				2447	2642
	1.2m Supercut Belt Drive				2289	2472
PA 91		500	540	58	62	210
71 91 260	1.0m Supercut Direct Drive				2511	2712
PA 90, PA 41, PA32		500	540	43	46	210
	0.9m Direct Drive				2860	3089
	1.0m Direct Drive				2860	3089
	Cutter bar				858	927
PA 27, PA 31		500	540	30	33	165
	0.85m Direct Drive				2338	2526

ARM HEAD CIRCUIT FLOW AND PRESSURE CHART

MODELS Part No.Range	PTO rpm Running	PTO rpm Maximum	PUMP FLOW L/min Running	PUMP FLOW L/min Maximum	Pressure bar
PA8000TT					
	1000	1000	51	51	250
PA55/60/65, PA5600, PA6400, PA6500T, PA7700TT, PA 550/650T, PA 5000-7000T GEAR					
	500	540	17	18.5	190
PA 550/650T, PA 5000-7000T PISTON (1000 PTO)					
	1000	1000	31	31	175
PA5600, PA6400, PA6500T, PA7700TT, PISTON (1000 PTO)					
	1000	1000	51	51	250
PA 550/650T, PA 5000-7000T PISTON (800 PTO UK)					
	800	833	30	31	175
PA5600, PA6400, PA6500T, PA7700TT, PISTON (800 PTO UK)					
	800	833	47	50	250
PA550/650 PA5000, PA6000, PA7000 Gear					
	500	540	23	24.5	175
PA48, PA50, PA52, PA53, PA59, PA 93, PA 500, PA590 High power					
	500	540	18	19.5	190
PA95, PA96, PA97, PA2050, PA2060, PA2080, PA2070 Gear					
	500	540	20	22	160
PA95, PA96, PA97					
	500	540	20	22	175
PA47, PA 470, PA45, PA92, PA 93, PA94, PA 9058, PA500, PA590 Standard power					
	500	540	13	14	160
PA 91					
	500	540	11	12	125
PA 90, PA 41, PA32					
	500	540	8	9	160
ECON					
		540		22	210

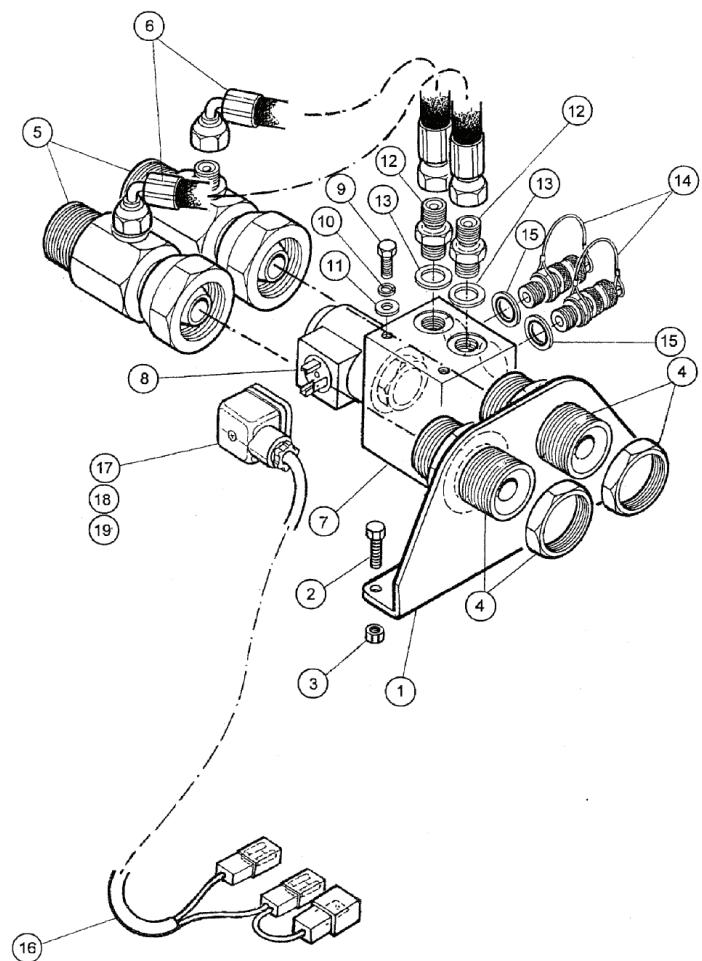
Rotor Control valve



The rotor control valve consists of an operating spool, relief valve and four logic valves. In neutral all the logic valves are open equalizing pressure on both sides of the motor. When the rotor is engaged the operating spool moves across to allow oil from the pressure pipe to be applied to the back side of two logic valves thus closing them. This forces the oil to flow in one

direction round the circuit. If something prevents a logic valve closing both sides of the motor remain open to return so the rotor will not work.

Pump By-pass on piston machines



The purpose of the pump by-pass is to equalize the pressure on both sides of the motor to prevent it rotating when the rotor control is switched to stop. When rotor start is selected the solenoid is energized and closes the passage between the two pipes. If this fails to shut completely or at all the flail head will lack power or fail to rotate.

Complaint 2 – Flail circuit surging.

This can be due to a blocked tank breather or air being sucked in through the suction line. When both the above have been eliminated without curing the problem it can be resolved by fitting an Anti Surging Kit. It should be noted that this problem has only occurred on the 125 l/min systems.

Flail Accumulator Kit part numbers

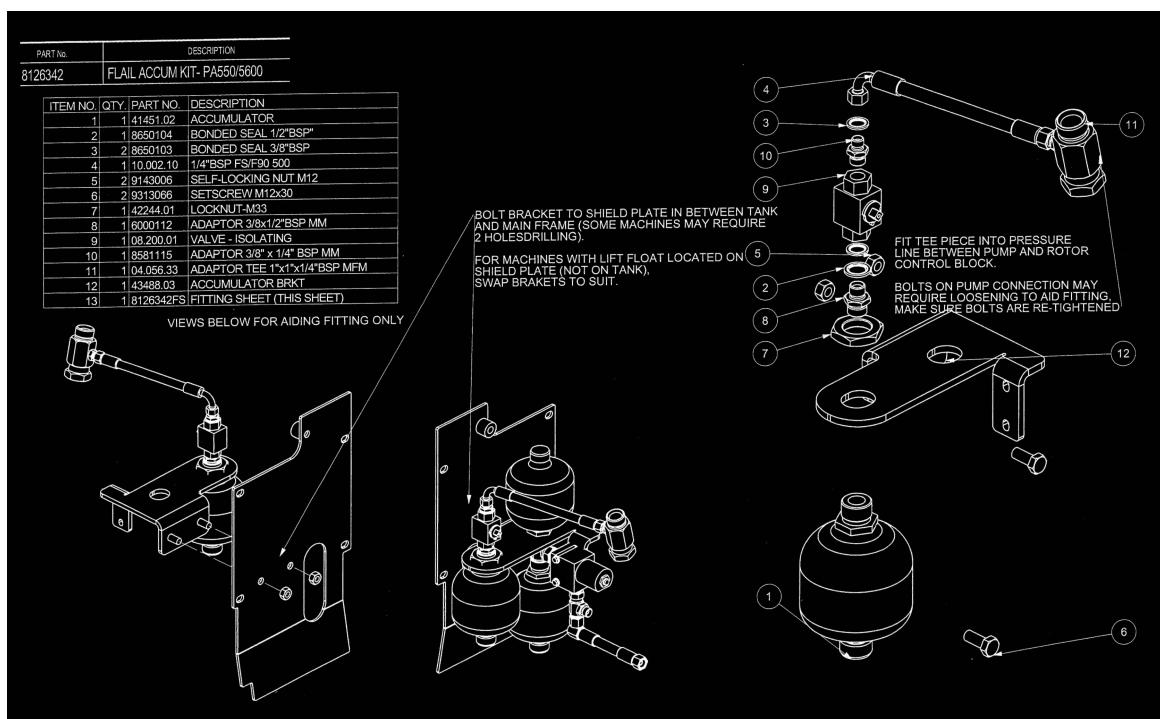
81 26 342 fits PA550/5600 series left hand

81 26 343 fits PA5000 series

81 26 344 fits PA550/5600 series right hand

81 26 345 fits PA550/650 with metric hoses

81 26 339 fits PA55/60



Parts Manual for

WGC No: 7490992

PA3530 M/CAR RH

Print date: 29/03/2012

Applicable to Works Order No: 87964B

For Serial No: M1227181



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*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 one.*

McCONNEL PARTS DEPARTMENT

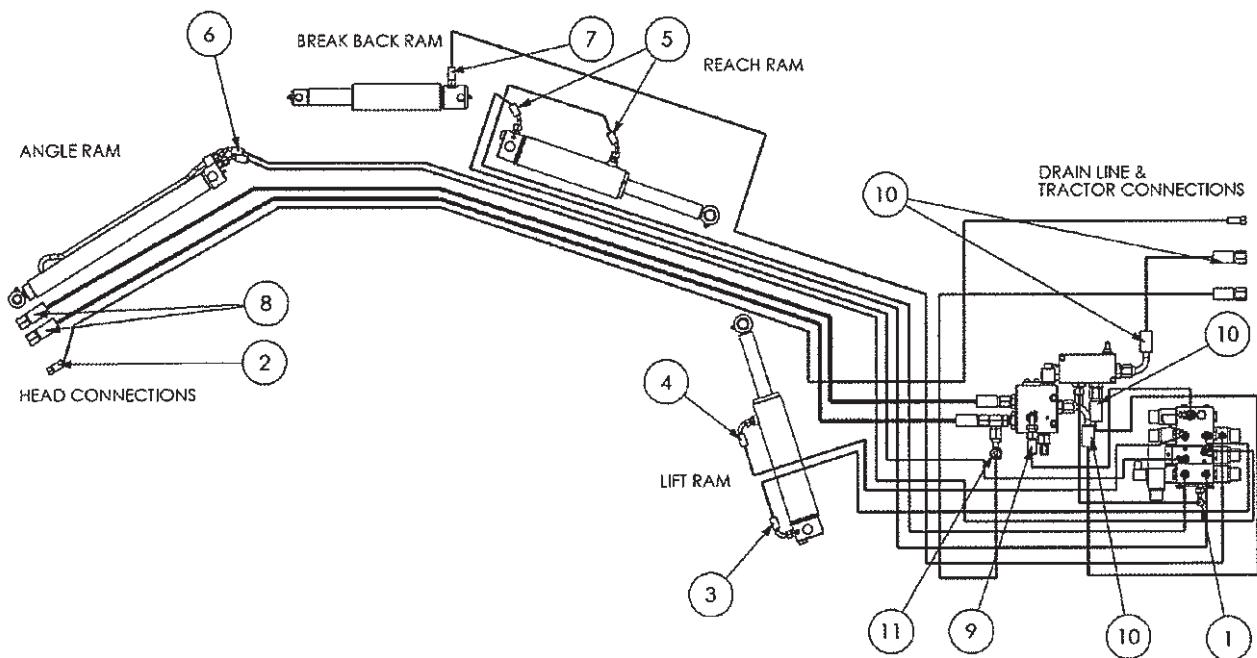
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CONTENTS

Page No	Schedule No	Schedule Description
3	41320.22	HOSE KIT PA35 SKIDST
5	7313282	CAB CTRL MTG MOD
7	7313324	GUARD KIT
9	7490602	ROCKER MODULE
11	7490604	MAIN ARM MODULE
13	7490605	DIPPER UPPER MOD
15	7490607	DIPPER MODULE
17	7490618	COVERS MODULE
19	7490619	PROP CONT VALVE ASSY
23	8130456	VALVE
25	41784.48	VALVE
27	8130457	VALVE
29	8130090	VALVE
31	08.943.01	VALVE
33	8402394	CONTROL BOX
35	7490626	MAIN FRAME PA35
37	7490627	MULTICAR LIFTING KIT
39	7490628	HYD INST MULTICAR
41	41014.11	RAM
43	41015.03	RAM ASSY
45	21856.01	RAM
47	41322.02	RAM
49	7490652	DECAL KIT

* optional component

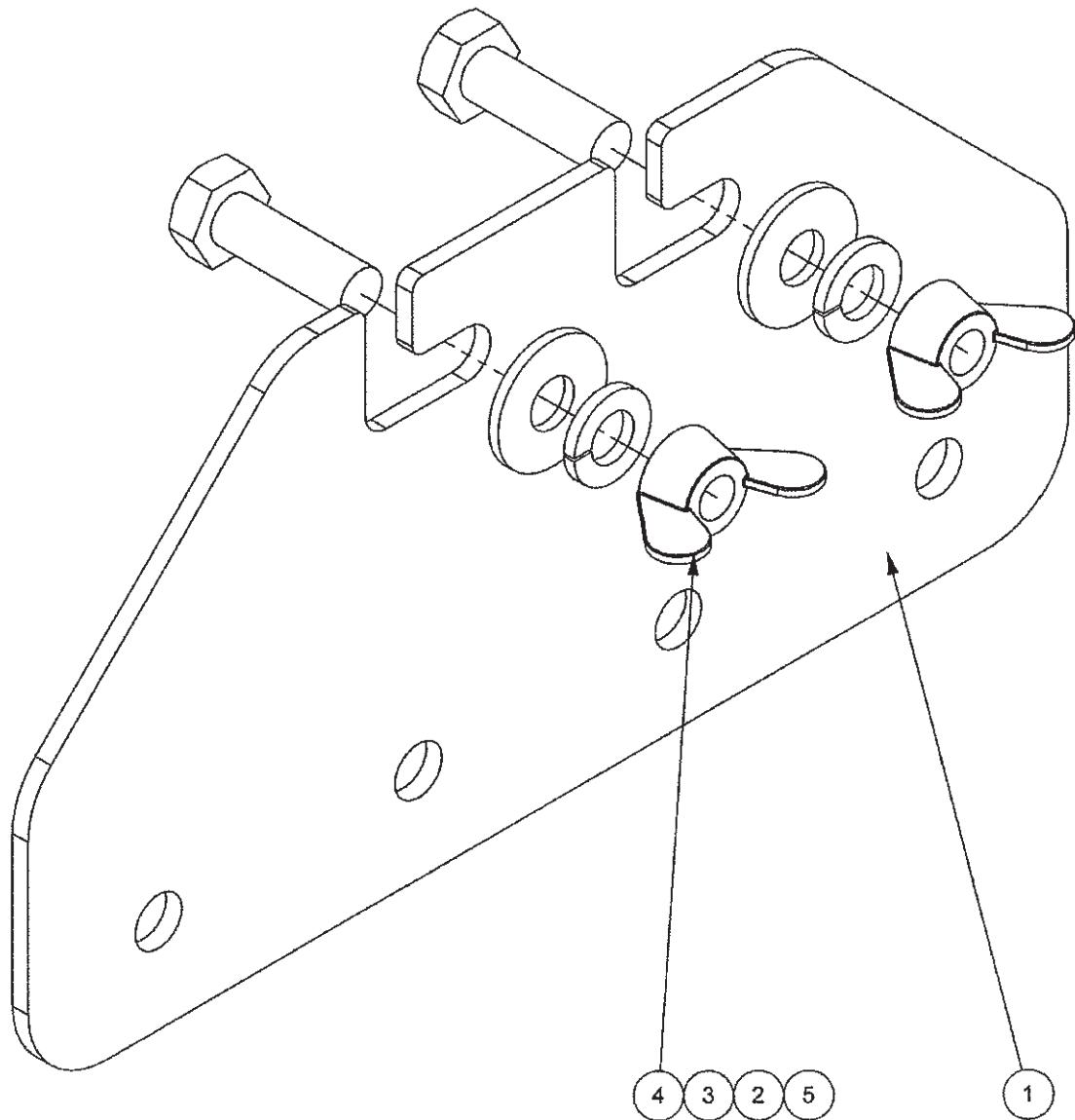
41320.22 - HOSE KIT PA35 SKIDST



41320.22 - HOSE KIT PA35 SKIDST

Ref	Part No	Description	Qty
1	10.004.13	HOSE	1
2	10.001.73	HOSE	1
3	10.002.22	HOSE	1
4	10.002.21	HOSE	1
5	10.017.32	HOSE	2
6	10.017.40	HOSE	2
7	10.001.40	HOSE	1
8	10.007.45	HOSE	2
9	10.005.14	HOSE	1
10	10.008.20	HOSE	2
11	10.008.30	HOSE	1

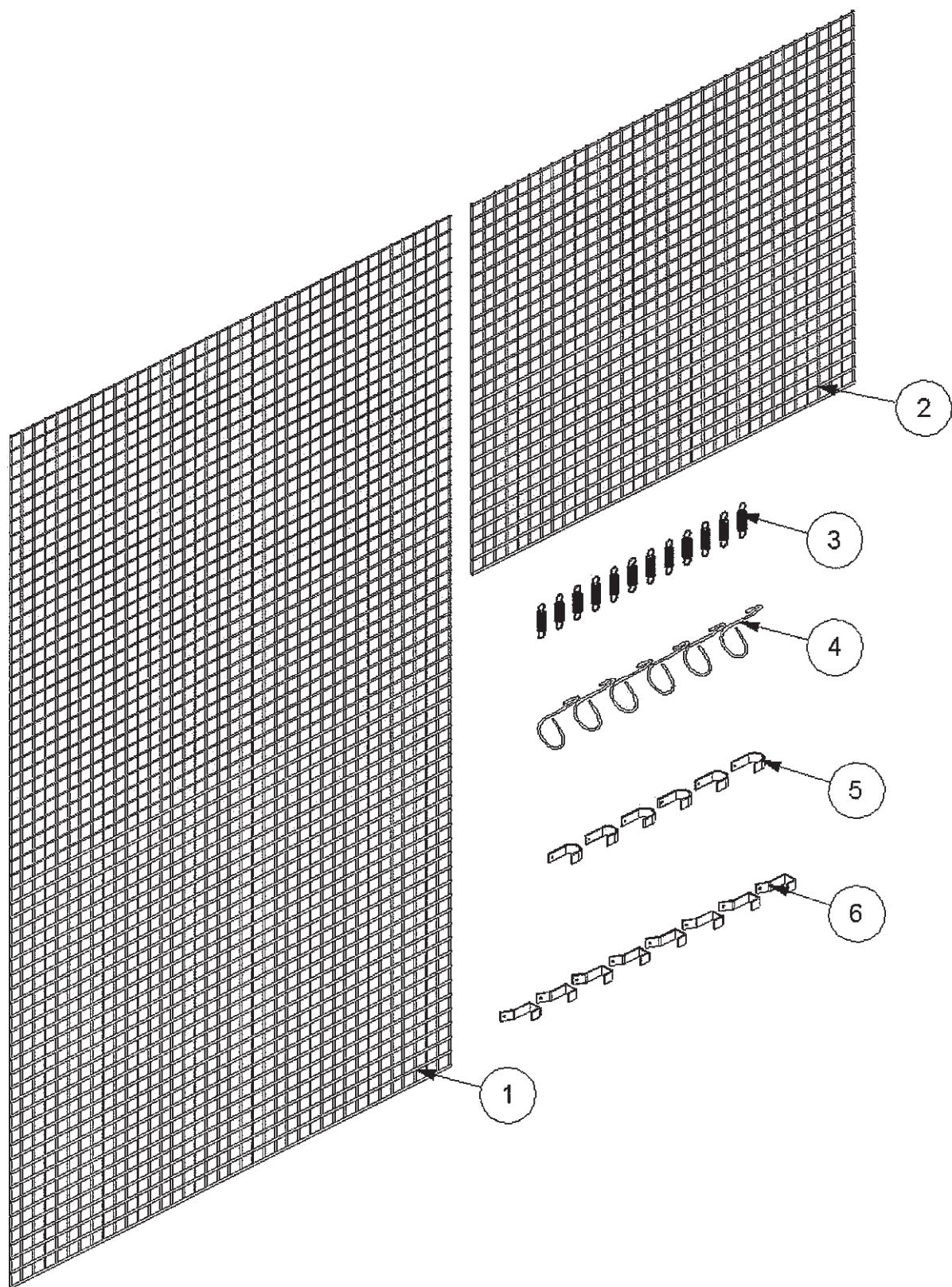
7313282 B - CAB CTRL MTG MOD



7313282 B - CAB CTRL MTG MOD

Ref	Part No	Description	Qty
1	42491.01	PLATE	1
2	9100104	WASHER	2
3	9100204	WASHER	2
4	9193004	NUT	2
5	9313054	SCREW	2

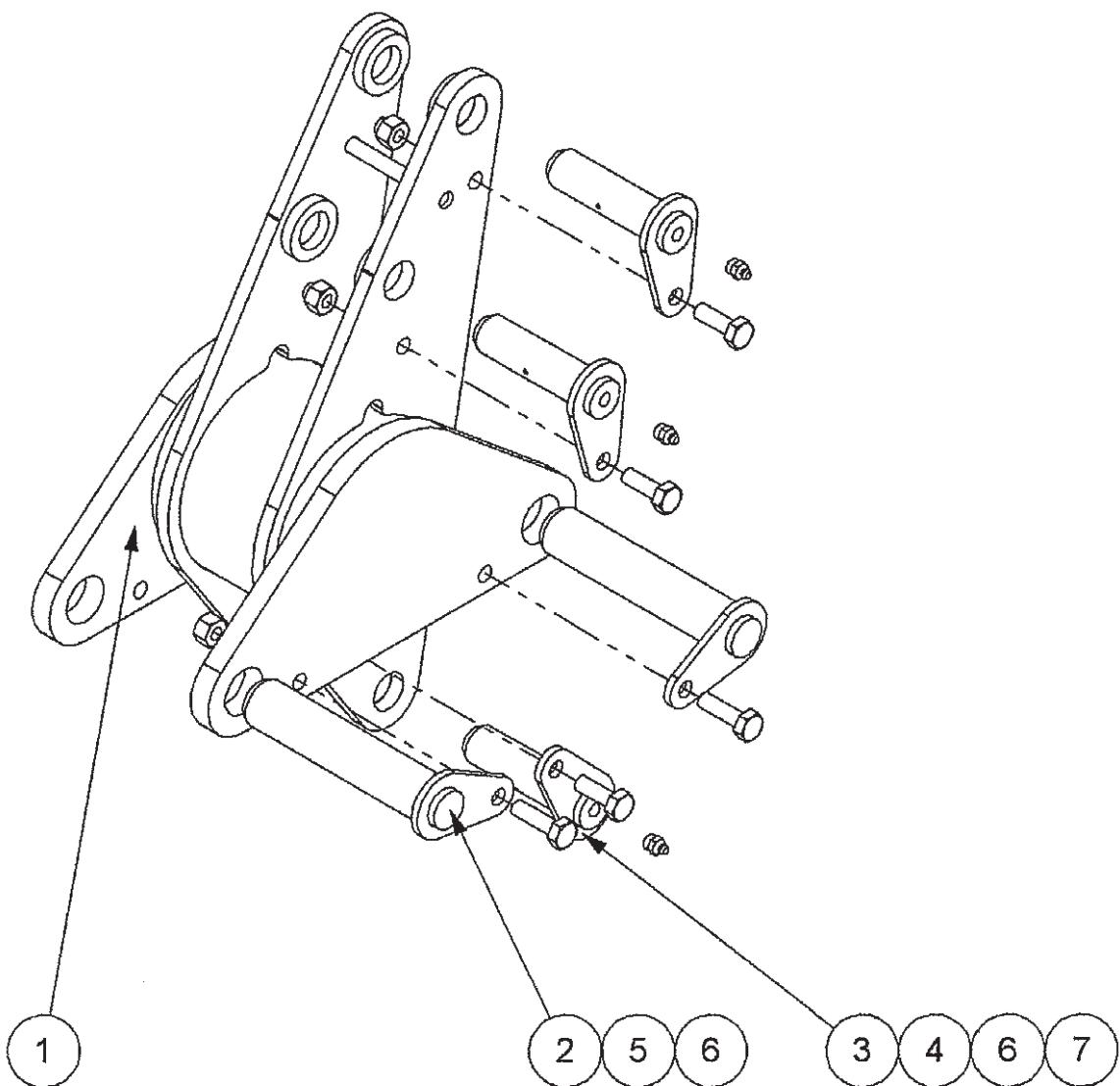
7313324 D - GUARD KIT



7313324 D - GUARD KIT

Ref	Part No	Description	Qty
1	7313049	GUARD PANEL	1
2	7313050	GUARD PANEL	1
3	6001064	SPRING	12
4	6001065	HOOK	6
5	41587.01	GUARD HOOK	6
6	41745.01	HOOK	8

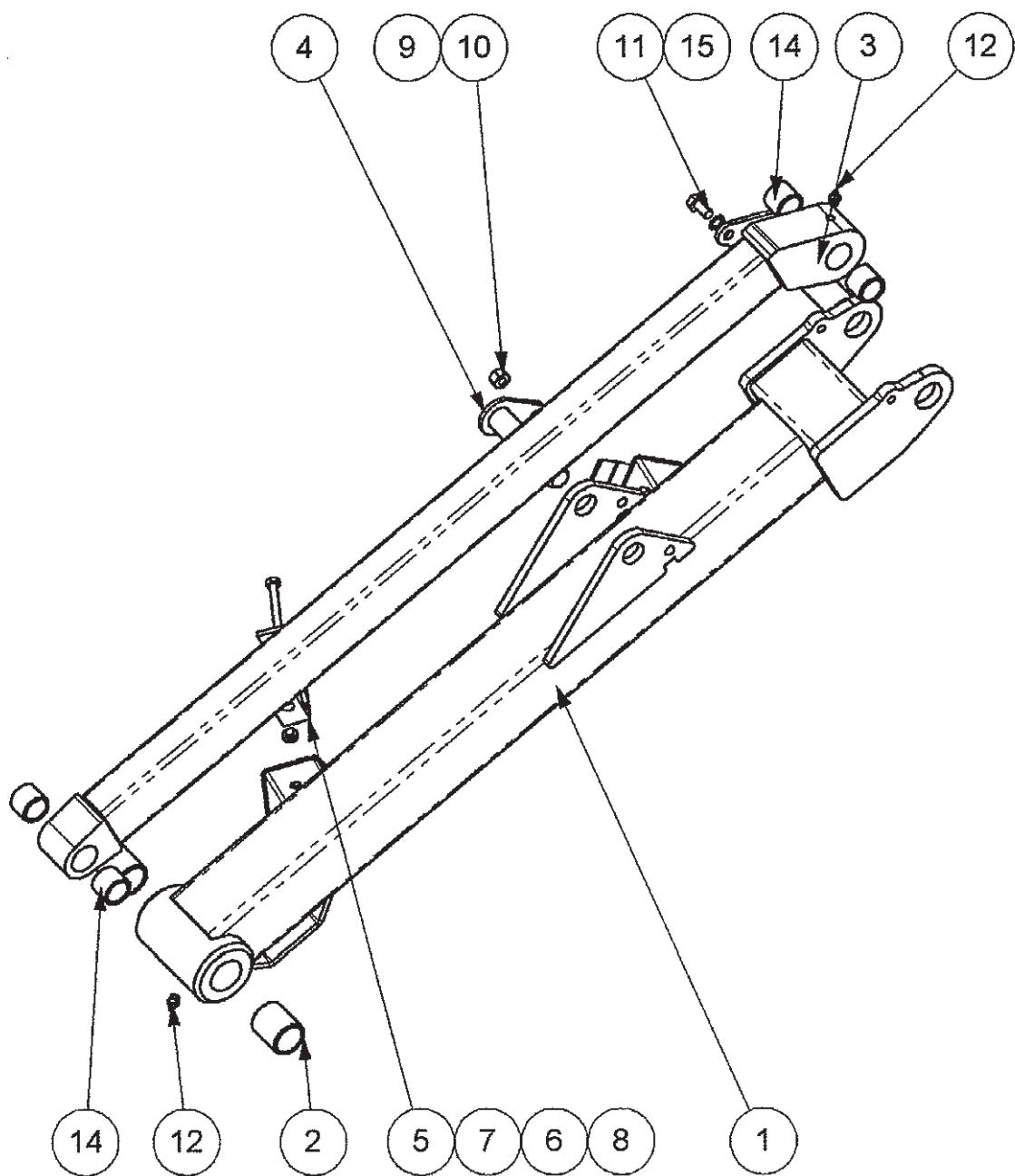
7490602 C - ROCKER MODULE



7490602 C - ROCKER MODULE

Ref	Part No	Description	Qty
1	41198.04	ROCKER W.A	1
2	41268.01	PIN	2
3	41691.03	PIN	3
4	9313065	SCREW	3
5	9313075	SCREW	2
6	9163005	NUT	5
7	0901121	GREASER	3

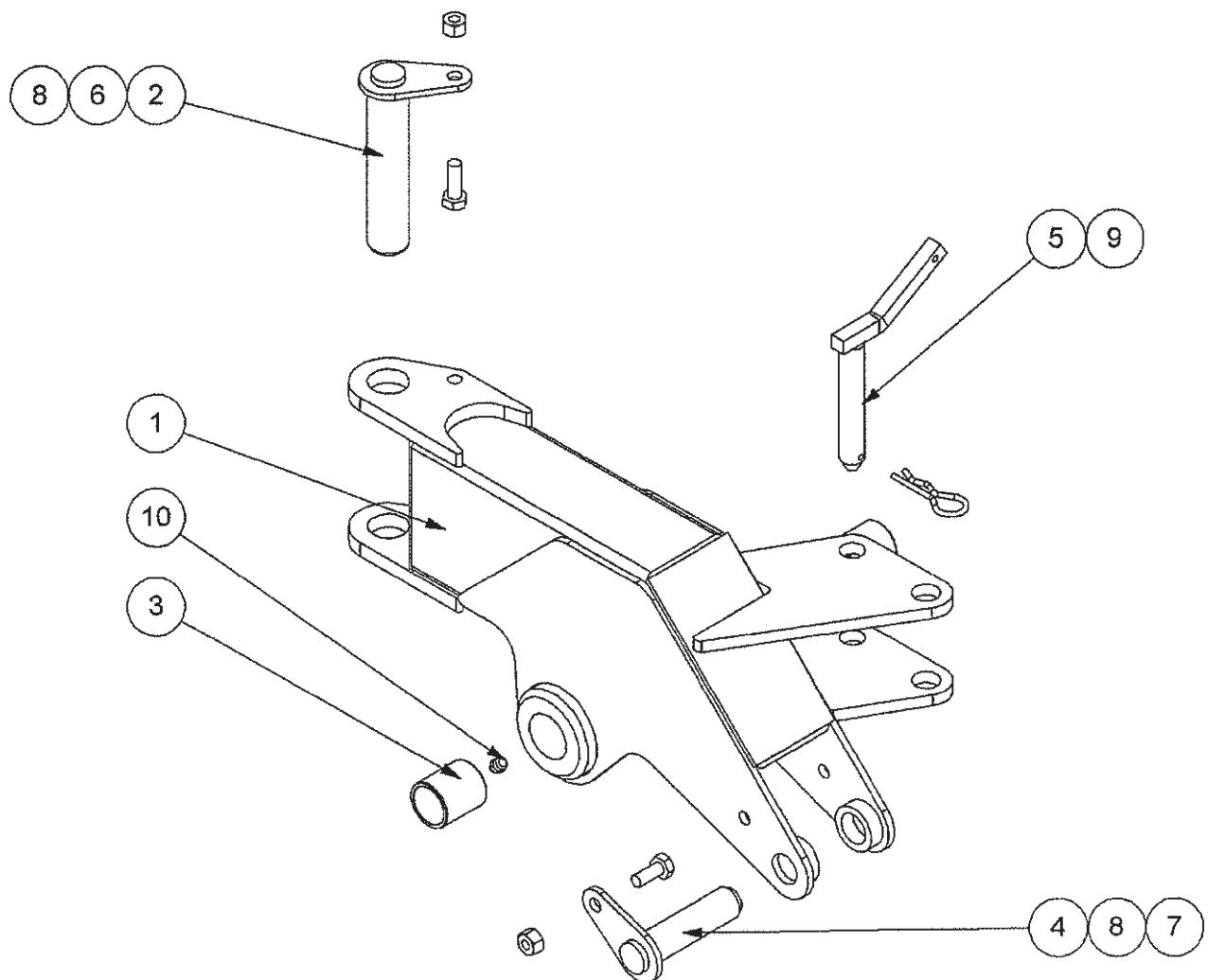
7490604 B - MAIN ARM MODULE



7490604 B - MAIN ARM MODULE

Ref	Part No	Description	Qty
1	41199.08	PA35 BOBCAT MAINARM	1
2	21149.01	BUSH	2
3	41268.01	PIN	1
4	41267.04	PIN	1
5	06.430.09	CLAMP (2 PCS)	2
6	06.418.03	PLATE	2
7	9213134	BOLT	2
8	9163004	NUT	2
9	9313065	SCREW	1
10	9163005	NUT	1
11	9313045	SCREW	1
12	0901121	GREASER	2
13	41200.03	TENSION LINK	1
14	7101083	BUSH	4
15	9100405	WASHER	1

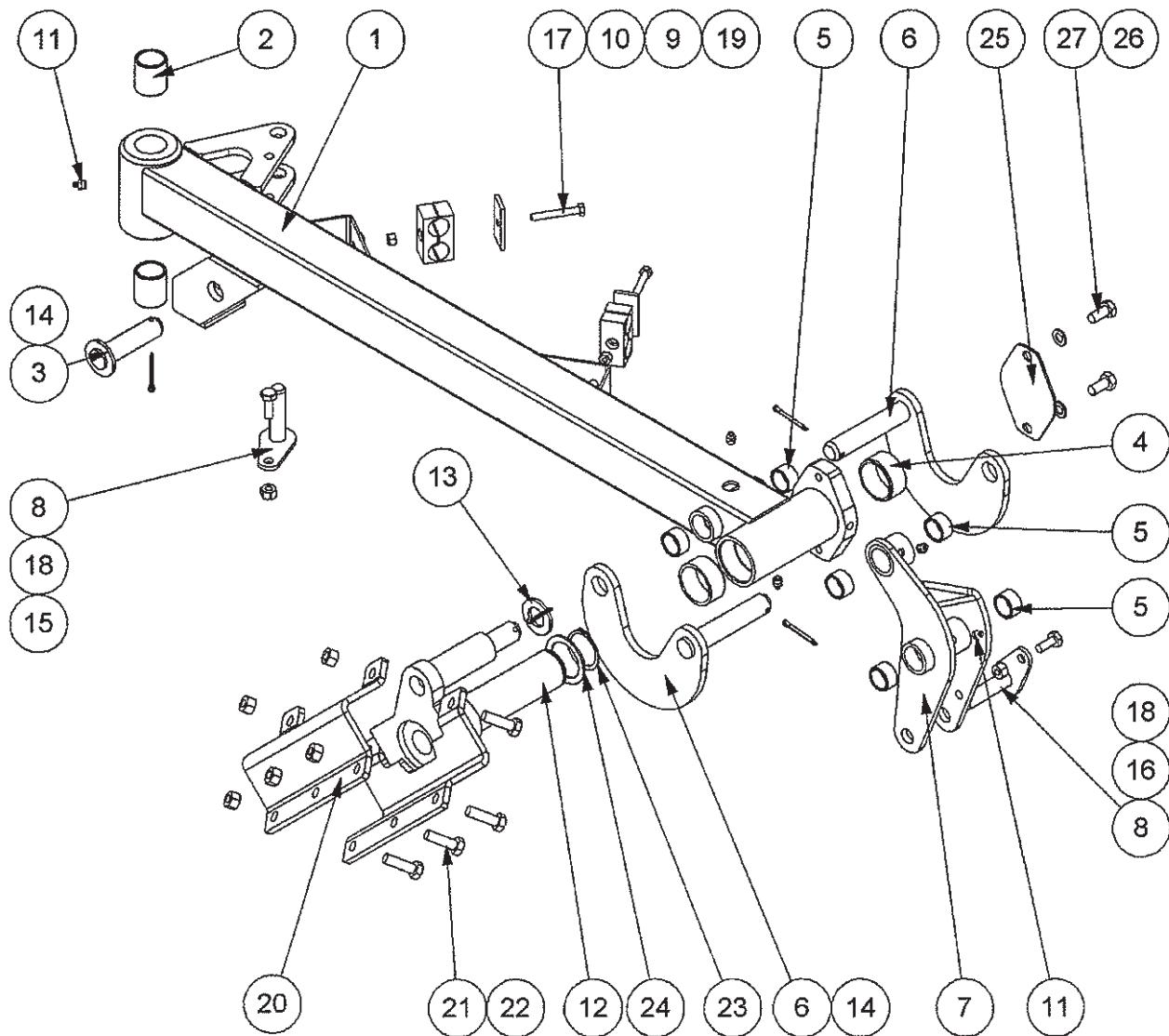
7490605 F - DIPPER UPPER MOD



7490605 F - DIPPER UPPER MOD

Ref	Part No	Description	Qty
1	41201.05	DIPPER UPPER W.A	1
2	41268.03	PIN W/A	1
3	21149.01	BUSH	2
4	41267.03	PIN	1
5	7191036	PIN	1
6	9313065	SCREW	1
7	9313055	SCREW	1
8	9163005	NUT	2
9	0431105	PIN	1
10	0901121	GREASER	1

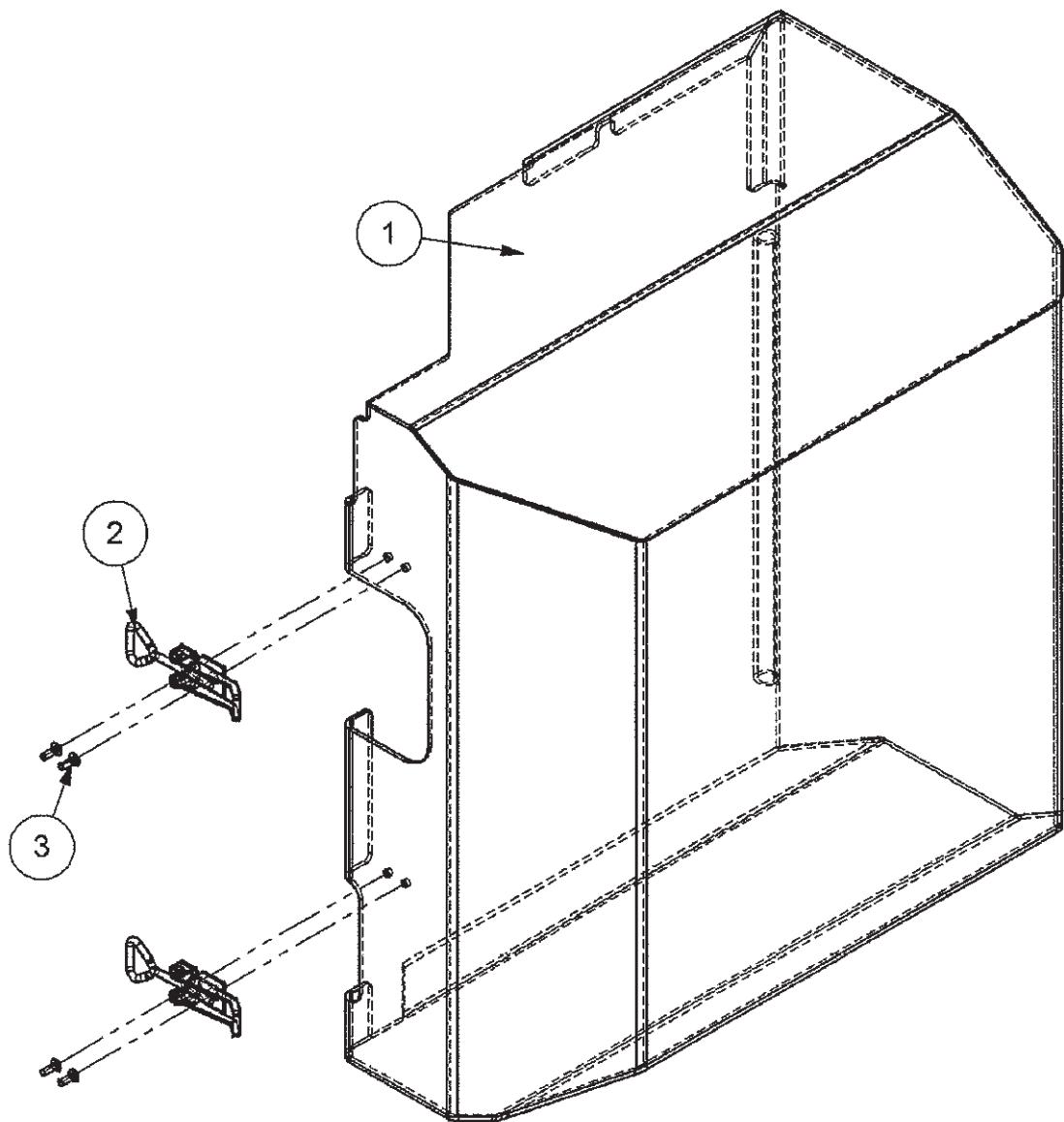
7490607 E - DIPPER MODULE



7490607 E - DIPPER MODULE

Ref	Part No	Description	Qty
1	41202.03	DIPPER ARM	1
2	21149.01	BUSH	2
3	7191041	PIN	1
4	1090001	BEARING	2
5	7214060	BUSH	6
6	21851.02	RADIUS ARM	2
7	21850.02	SLAVE LINK -RH	1
8	41270.01	PIN	2
9	06.430.09	CLAMP (2 PCS)	2
10	06.418.03	PLATE	2
11	0901121	GREASER	5
12	21872.01	BRACKET	1
13	0100109	WASHER	1
14	9501406	PIN	4
15	9313065	SCREW	1
16	9313055	SCREW	1
17	9213124	BOLT	2
18	9163005	NUT	2
19	9163004	NUT	2
20	21873.01	PLATE	1
21	9313086	SCREW	5
22	9163006	NUT	5
23	0406247	CIRCLIP	1
24	1090037	WASHER	1
25	41261.44	PLATE	1
26	9100206	WASHER	2
27	9313056	SCREW	2

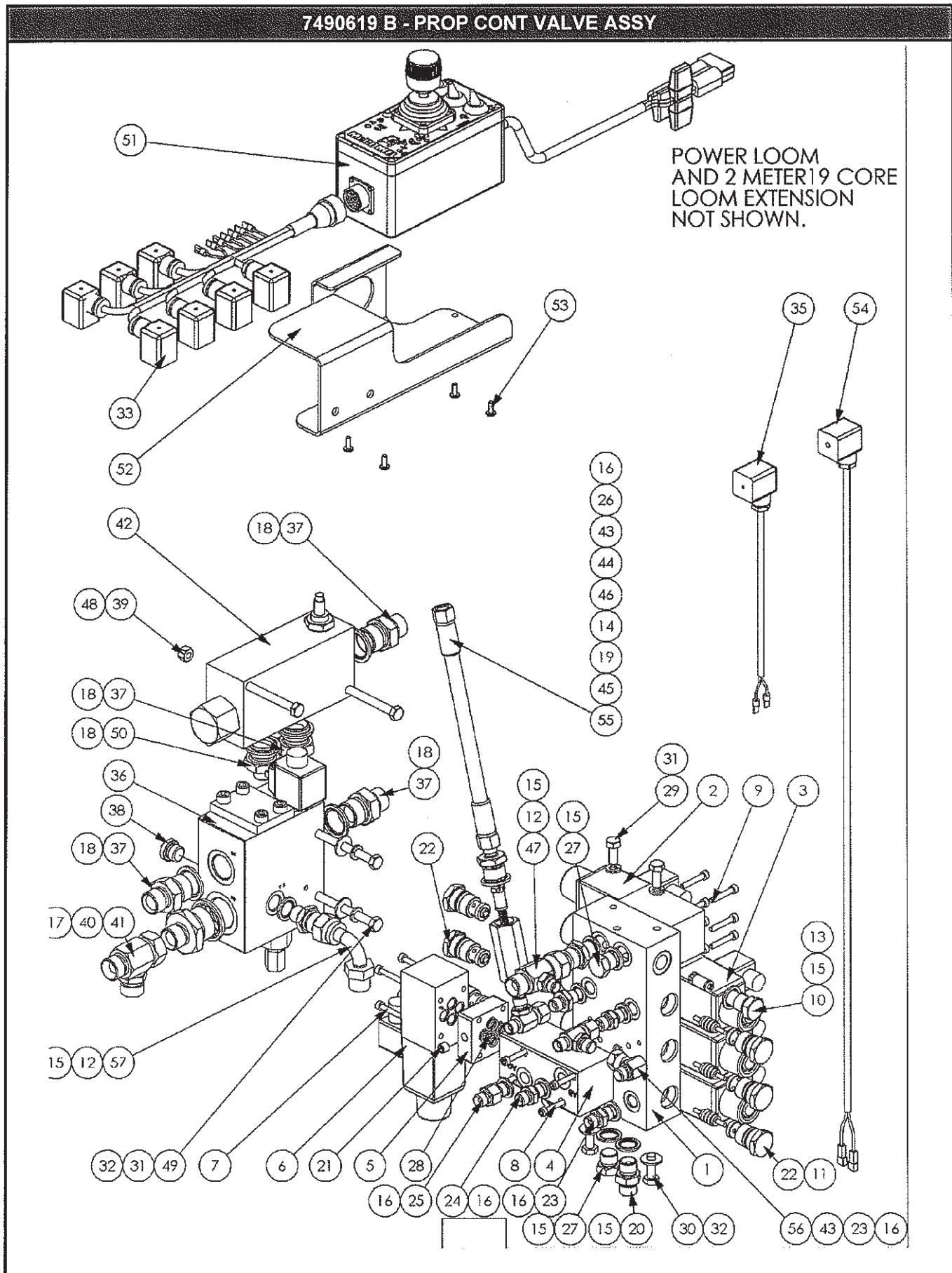
7490618 B - COVERS MODULE



7490618 B - COVERS MODULE

Ref	Part No	Description	Qty
1	22290.02	VALVE COVER	1
2	43449.02	FASTENER	2
3	1069088	RIVET	4

7490619 B - PROP CONT VALVE ASSY

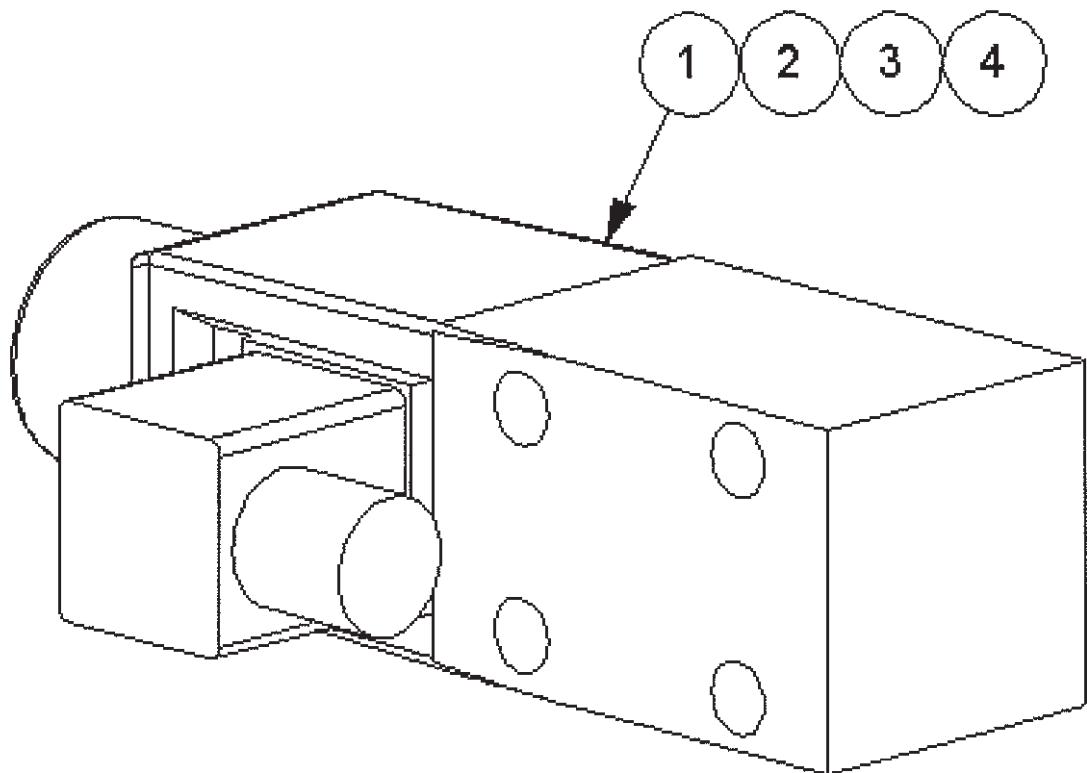


7490619 B - PROP CONT VALVE ASSY

Ref	Part No	Description	Qty
1	8130653	BLOCK	1
2	8130456	VALVE	1
3	41784.48	VALVE	3
4	8130323	BLOCK	1
5	8126280	PLATE	1
6	8130457	VALVE	1
7	9243102	SCREW	4
8	9243082	SCREW	4
9	9243062	SCREW	16
10	8130032	CAP	1
11	8130087	ACTUATOR	3
12	6000112	ADAPTOR	2
13	8130092	VALVE	1
14	8130189	VALVE	1
15	8650103	SEAL	6
16	8650102	SEAL	7
17	8650108	SEAL	1
18	8650106	SEAL	5
19	8650104	SEAL	1
20	6000113	ADAPTOR	1
21	8582041	PLUG	1
22	8130090	VALVE	6
23	8130105	RESTRICTOR	2
24	8130038	RESTRICTOR	2
25	8130037	RESTRICTOR	1
26	8581169	ADAPTOR	1
27	8003001	PLUG	2
28	8700511	"O" RING	7
29	9313044	SCREW	2
30	9313054	SCREW	2
31	9100204	WASHER	4
32	9100104	WASHER	4
33	41844.02	LOOM	1
34	8402361	LOOM	1
35	8402338	LOOM	1
36	08.943.01	VALVE	1
37	8581270	ADAPTOR	4
38	8581436	ADAPTOR	1
39	9163004	NUT	4
40	8581378	ADAPTOR	1
41	8581460	ADAPTOR	1
42	42844.02	VALVE	1

43	8581254	ADAPTOR	2
44	8130156	HOUSING	1
45	8130083	BODY	1
46	8116011	SPRING	1
47	04.056.25	ADAPTOR	1
48	9213144	BOLT	2
49	9213184	BOLT	2
50	8581131	ADAPTOR	1
51	8402394	CONTROL BOX	1
52	42442.03	BRACKET	1
53	2800243	SCREW	4
54	43177.29	LOOM	1
55	10.001.10	1/4" FS/FS HOSE	1
56	8581190	ADAPTOR	1
57	8581215	ADAPTOR	1

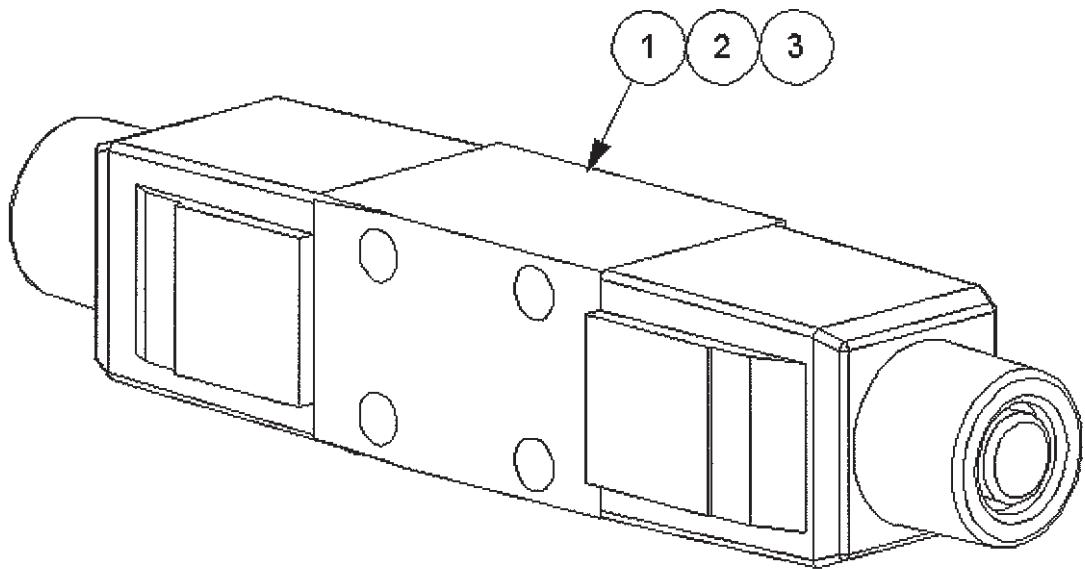
8130456 - VALVE



8130456 - VALVE

Ref	Part No	Description	Qty
1	8699224	SEAL KIT	1
2	8130175	COIL	1
3	8130176	OVERRIDE KIT	1
4	8600107	"O" RING	4

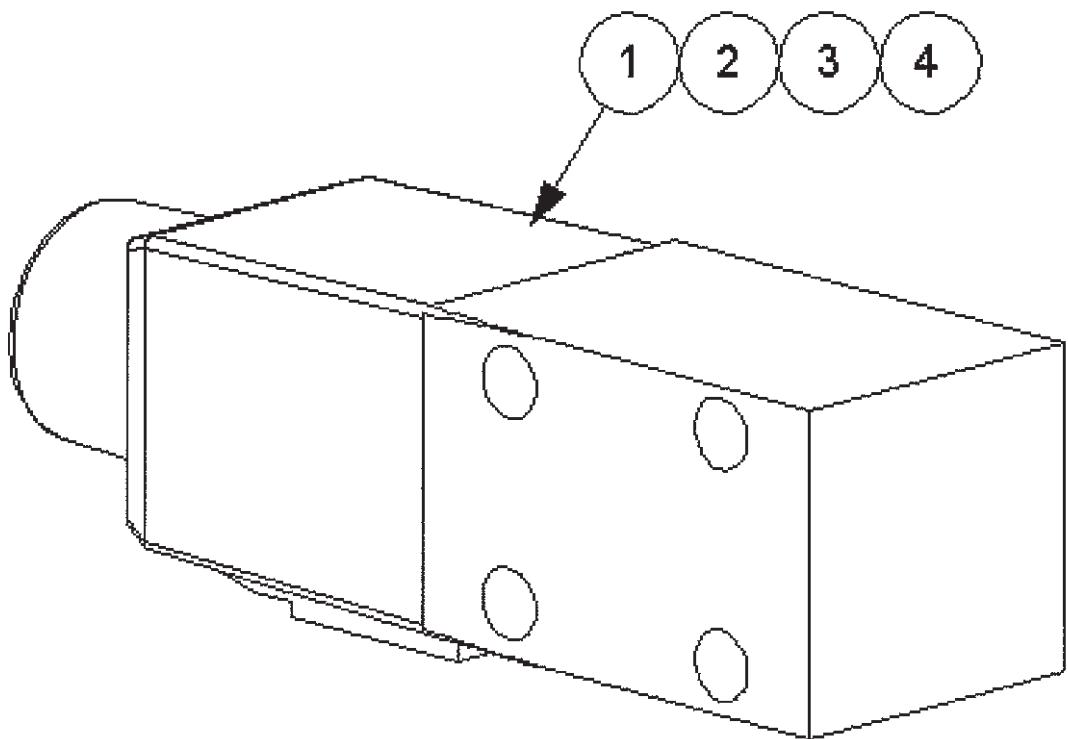
41784.48 - VALVE



41784.48 - VALVE

Ref	Part No	Description	Qty
1	8699224	SEAL KIT	1
2	41784.99	COIL	2
3	8600107	"O" RING	4

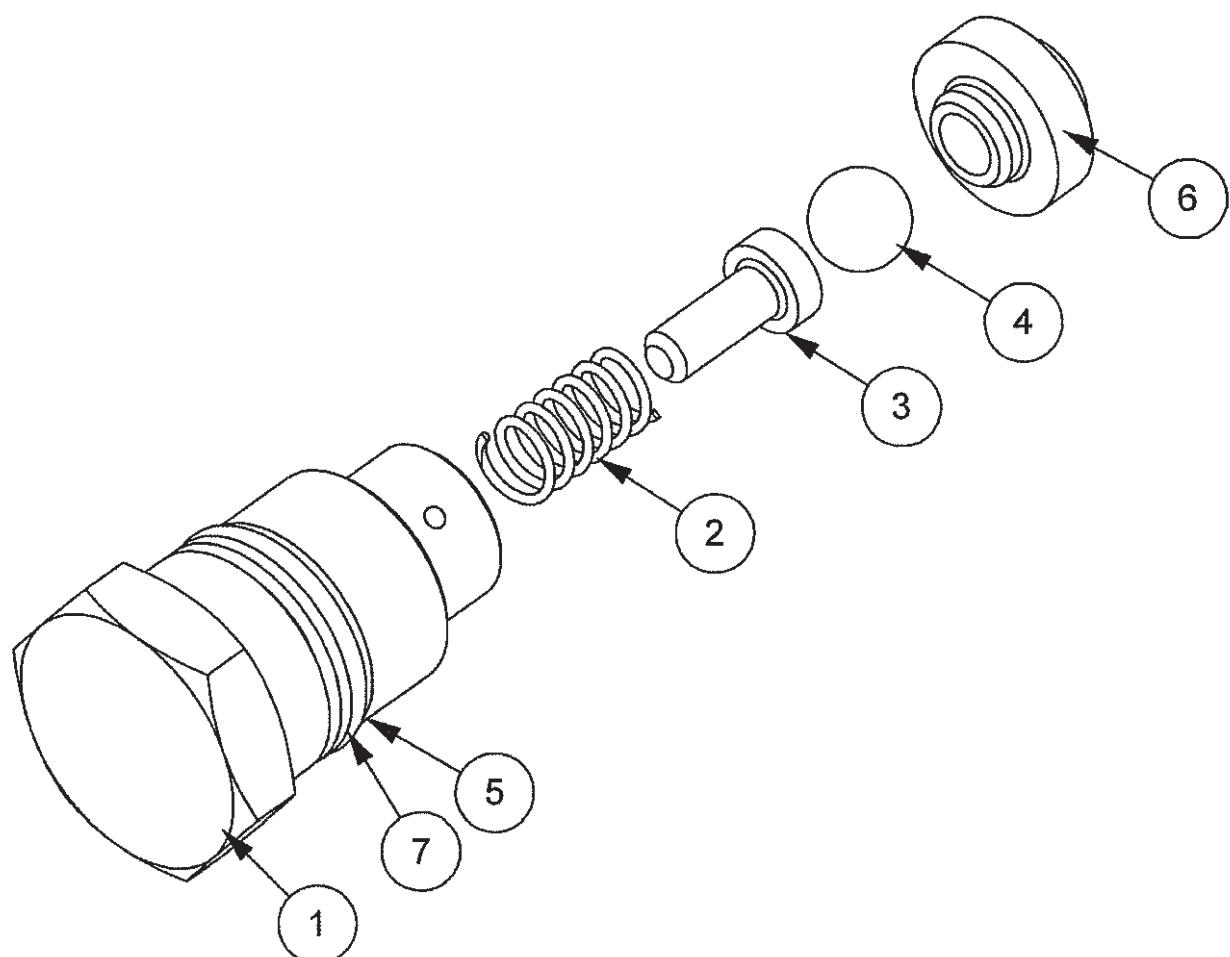
8130457 - VALVE



8130457 - VALVE

Ref	Part No	Description	Qty
0	8130175	COIL	1
0	8130176	OVERRIDE KIT	1
0	8699224	SEAL KIT	1
4	8600107	"O" RING	4

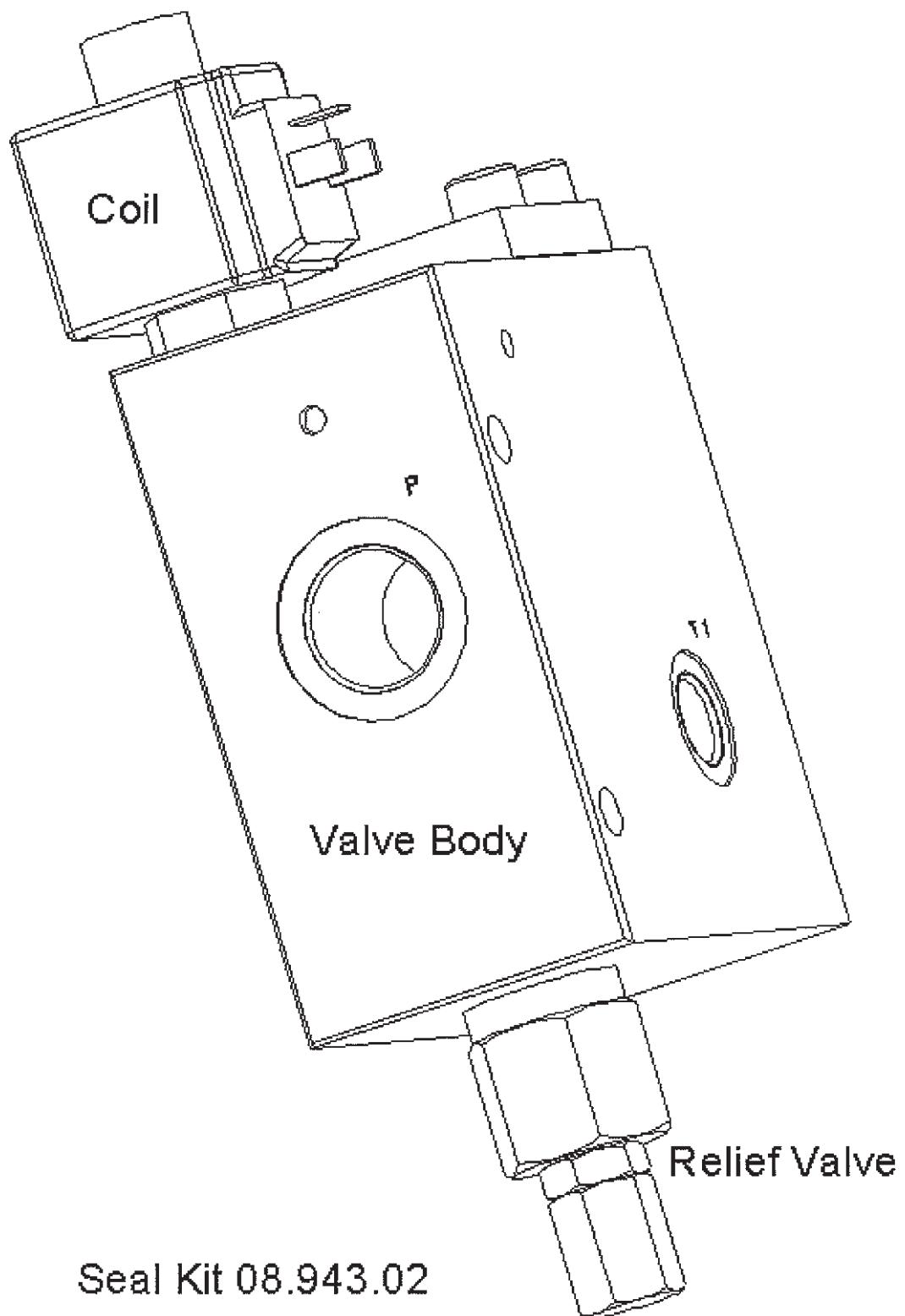
8130090 - VALVE



8130090 - VALVE

Ref	Part No	Description	Qty
1	8130025	CAP	1
2	8114045	SPRING	1
3	8130089	GUIDE	1
4	0905509	BALL	1
5	8700644	"O" RING	1
6	8130088	SEAT	1
7	8709644	ANTI.EXT.RING	1

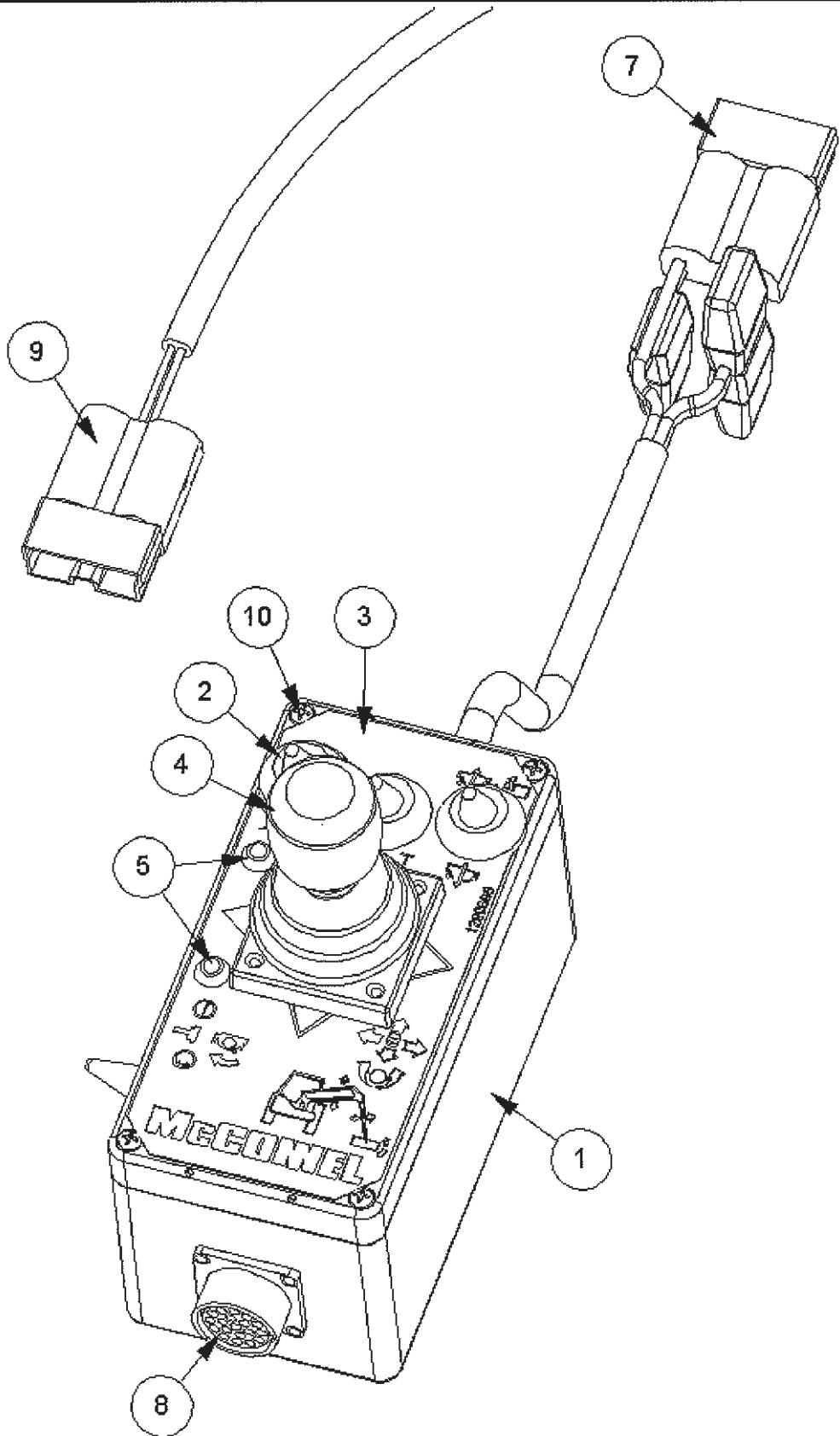
Solenoid



08.943.01 - VALVE

Ref	Part No	Description	Qty
0	08.943.02	SEAL KIT	1
0	08.943.20	BODY ASSY	1
0	08.943.21	RELIEF VALVE	1
0	08.943.22	COIL	1
0	08.943.23	SOLENOID	1

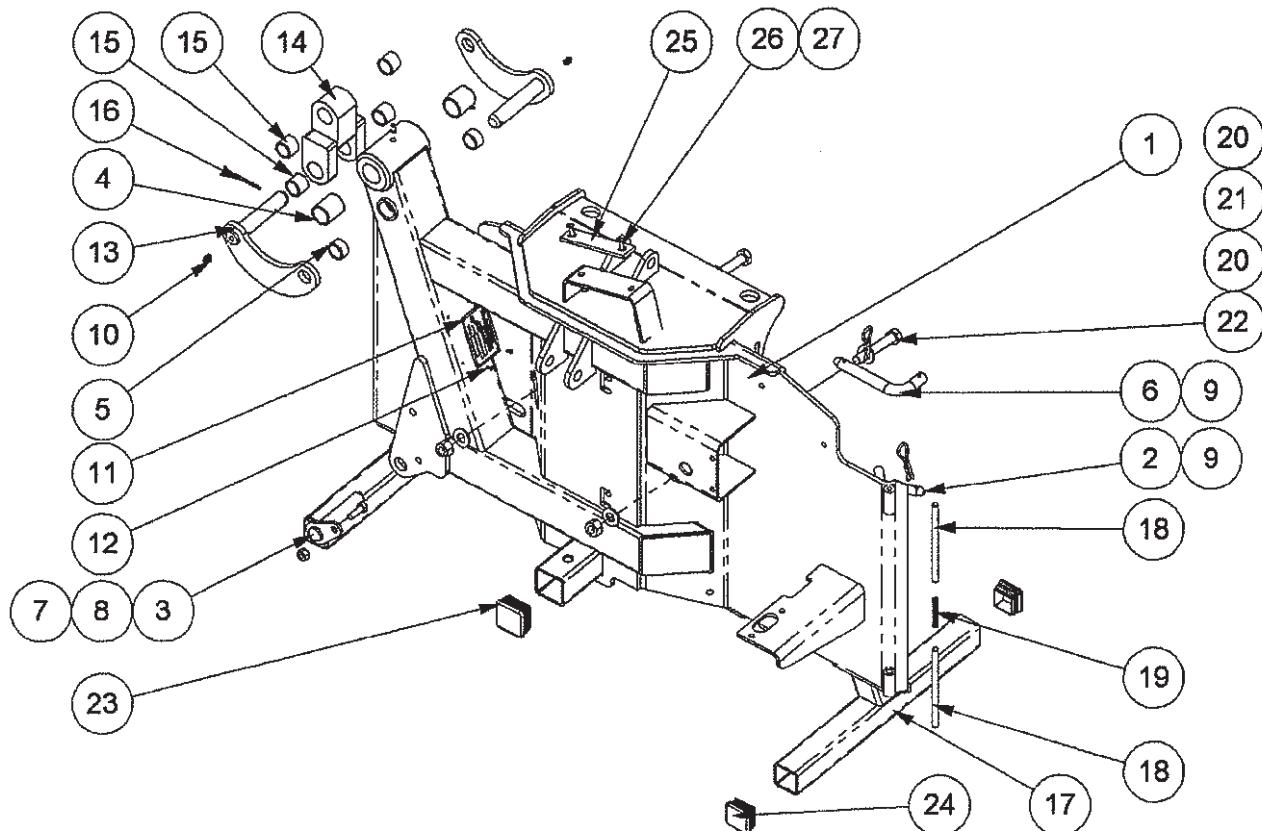
8402394 C - CONTROL BOX



8402394 C - CONTROL BOX

Ref	Part No	Description	Qty
0	8402396	PCB	1
1	8402400	BOX	1
2	8402024	COVER	4
3	1290696	DECAL	1
4	8402246	JOYSTICK	1
5	41845.41	LED	2
6	8402149	GLAND	1
7	43022.47	LOOM	1
8	8402189	SHELL	1
9	8402237	LOOM	1

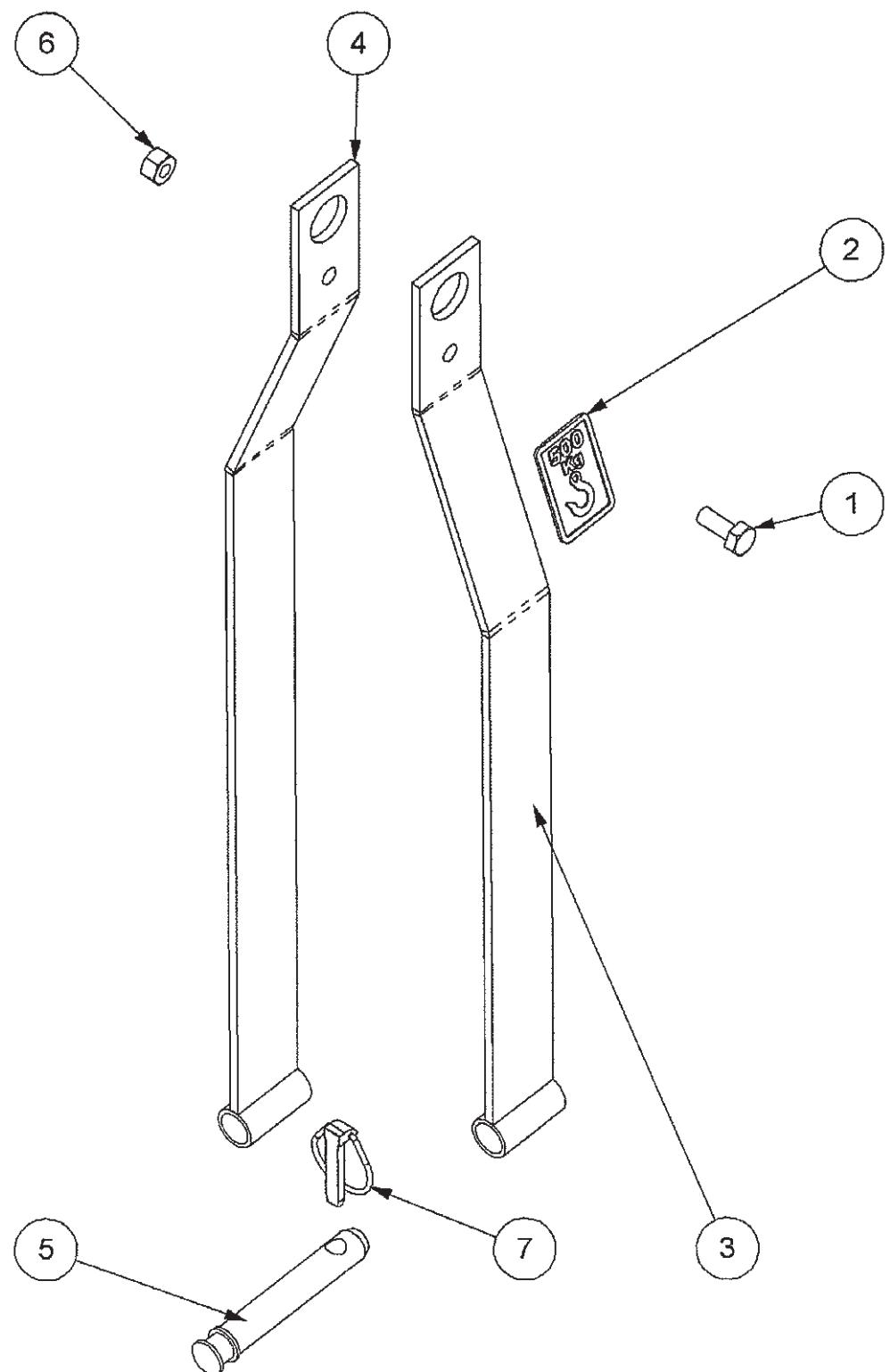
7490626 B - MAIN FRAME PA35



7490626 B - MAIN FRAME PA35

Ref	Part No	Description	Qty
1	22290.06	MAIN FRAME W/A	1
2	7192023	PIN	1
3	41267.04	PIN	1
4	21149.01	BUSH	2
5	7214060	BUSH	2
6	7192026	PIN	1
8	9313065	SCREW	1
9	9163005	NUT	1
10	0431105	PIN	2
11	0901121	GREASER	3
12	1335246	SERIAL NO.PLATE	1
13	7103230	RIVET	4
14	21851.01	RADIUS ARM	2
15	21850.01	SLAVE LINK	1
16	7101083	BUSH	4
17	9501406	PIN	2
18	22290.07	LEG W/A	2
19	22290.54	COVER PIVOT PIN	2
20	21326.01	SPRING	1
21	05.281.04	WASHER	4
22	9163007	NUT	2
24	9213207	BOLT	2
25	43091.03	PAD	1
25	7191108	BUNG	1
26	07.262.03	PLUG	4
26	9353043	SCREW	2
27	9163003	NUT	2

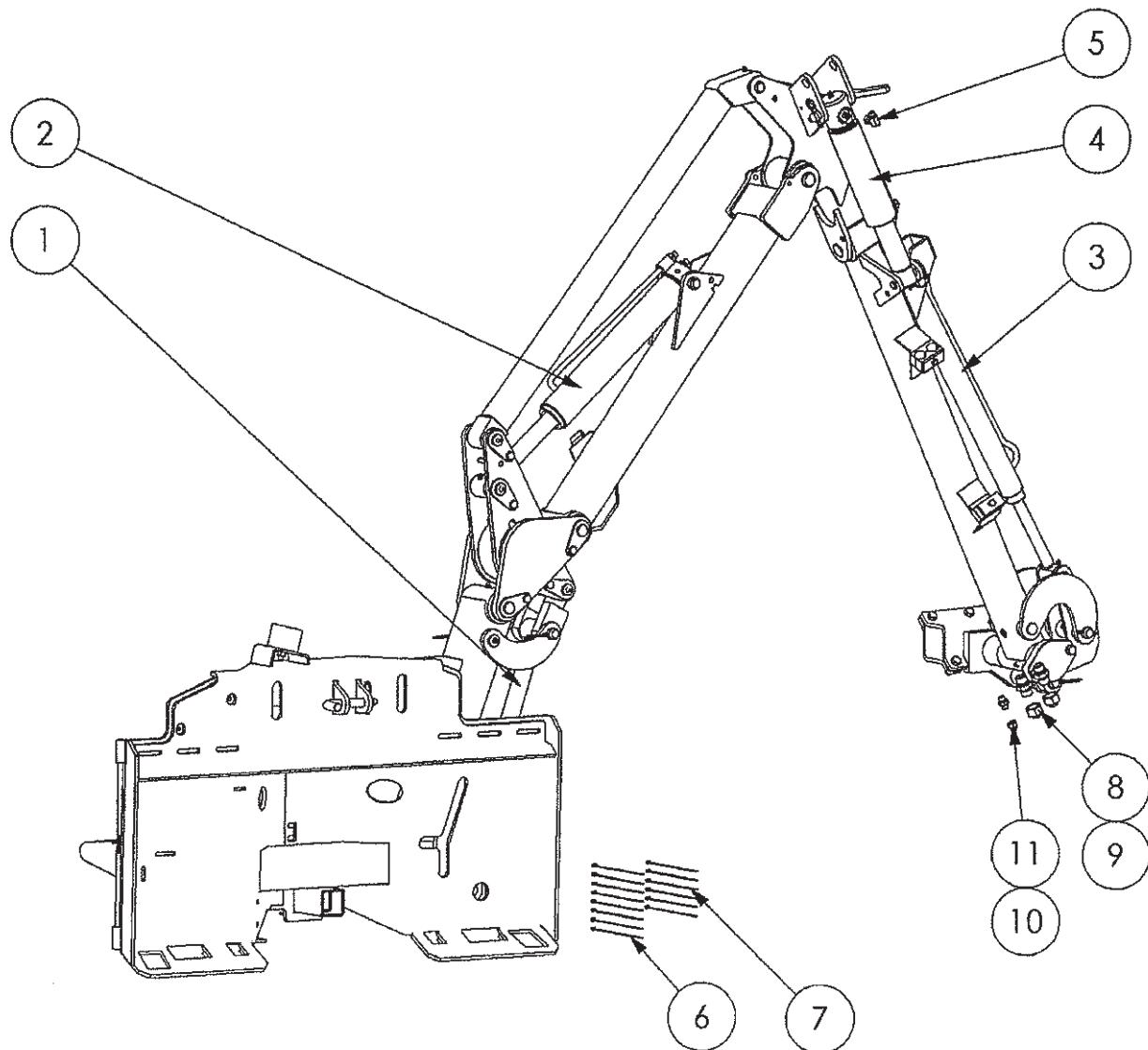
7490627 B - MULTICAR LIFTING KIT



7490627 B - MULTICAR LIFTING KIT

Ref	Part No	Description	Qty
2	9313055	SCREW	1
3	09.843.03	DECAL	1
4	22025.02	LIFTING STRAP	1
5	22025.01	LIFT STRAP PA35	1
6	T1657	PIN - LINKAGE	1
7	9163005	NUT	1
8	0431217	PIN	1

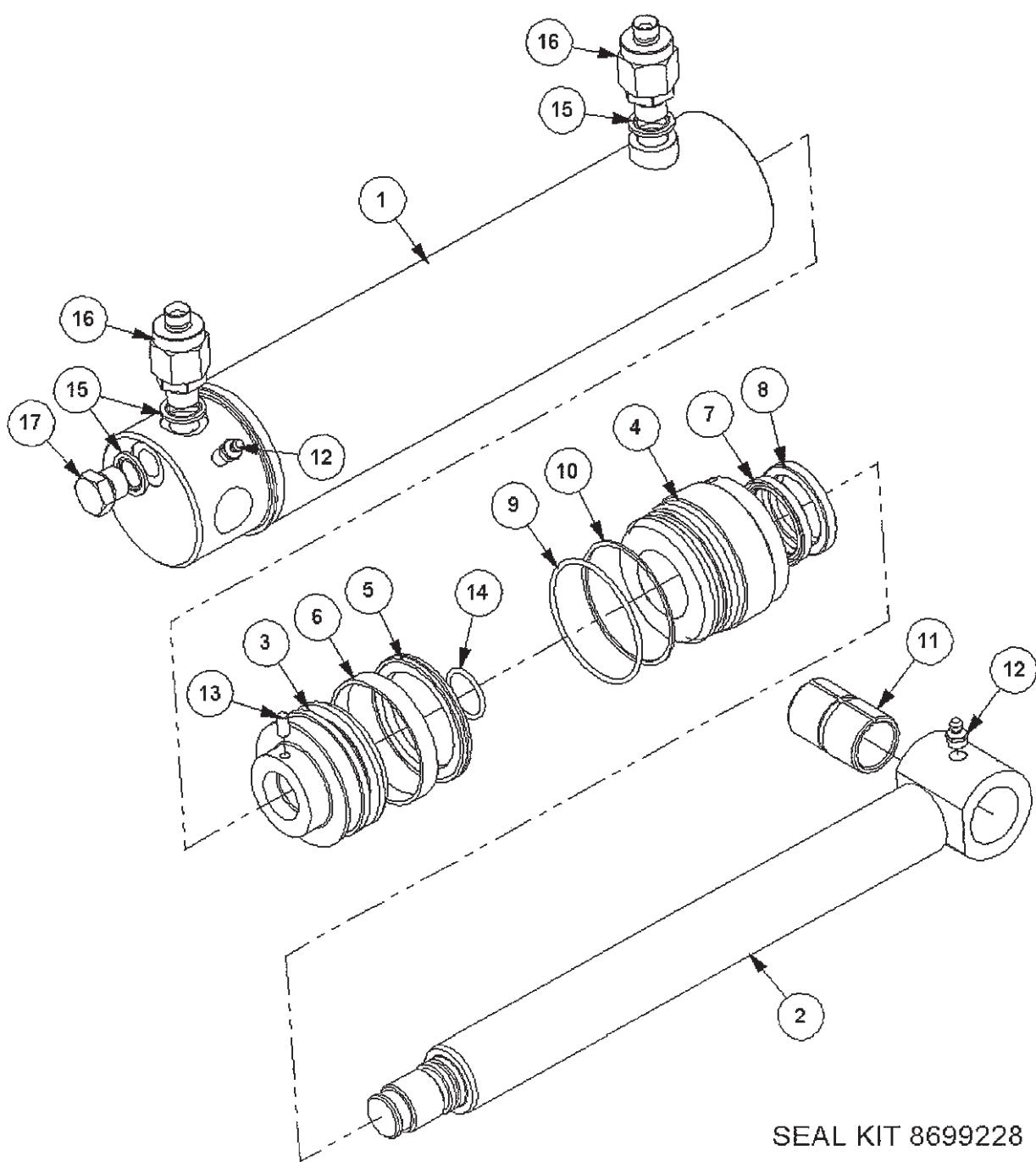
7490628 B - HYD INST MULTICAR



7490628 B - HYD INST MULTICAR

Ref	Part No	Description	Qty
5	41014.11	RAM	1
6	41015.03	RAM ASSY	1
7	21856.01	RAM	1
8	41322.02	RAM	1
10	8581190	ADAPTOR	1
20	7196045	HOSE TIE	8
21	7135084	HOSE TIE	6
23	G3812119	ADAPTOR	4
24	8581318	ADAPTOR	2
33	8581169	ADAPTOR	1
34	520560	ADAPTOR	2

41014.11 - RAM

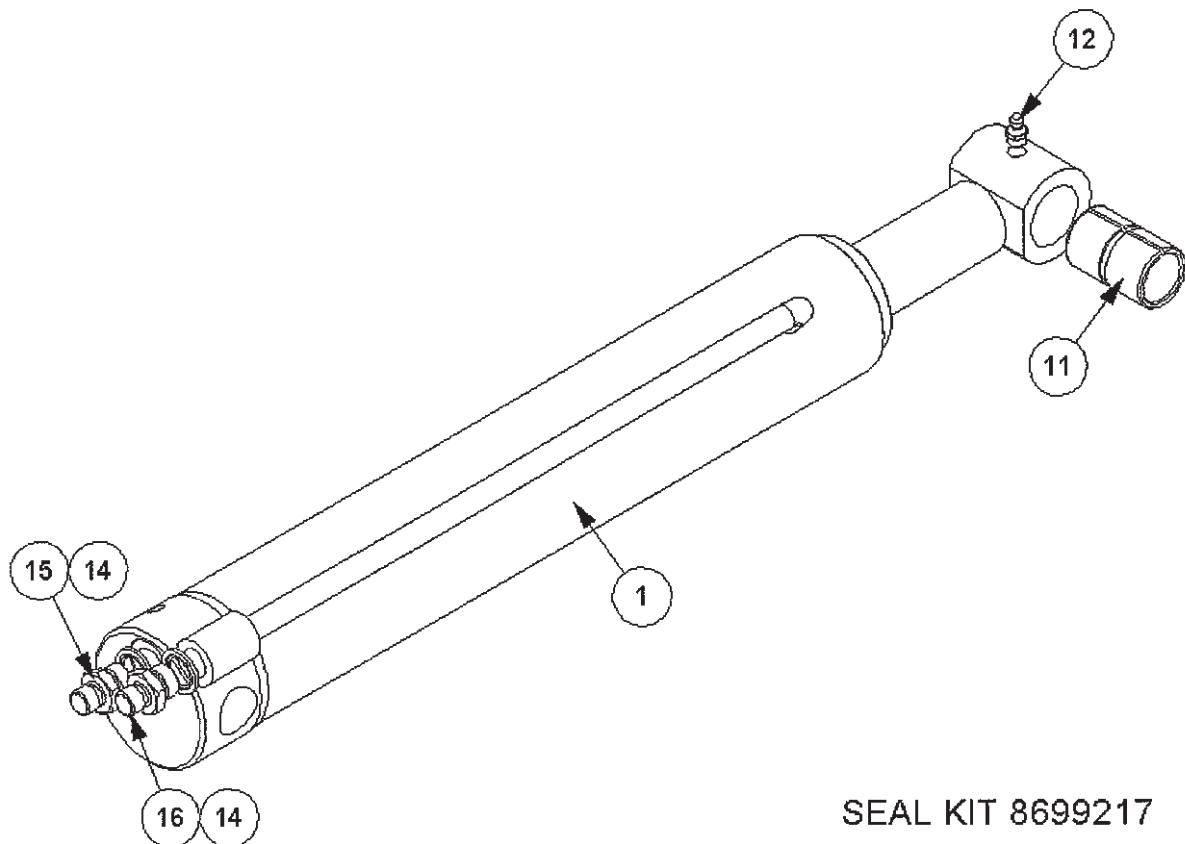


SEAL KIT 8699228

41014.11 - RAM

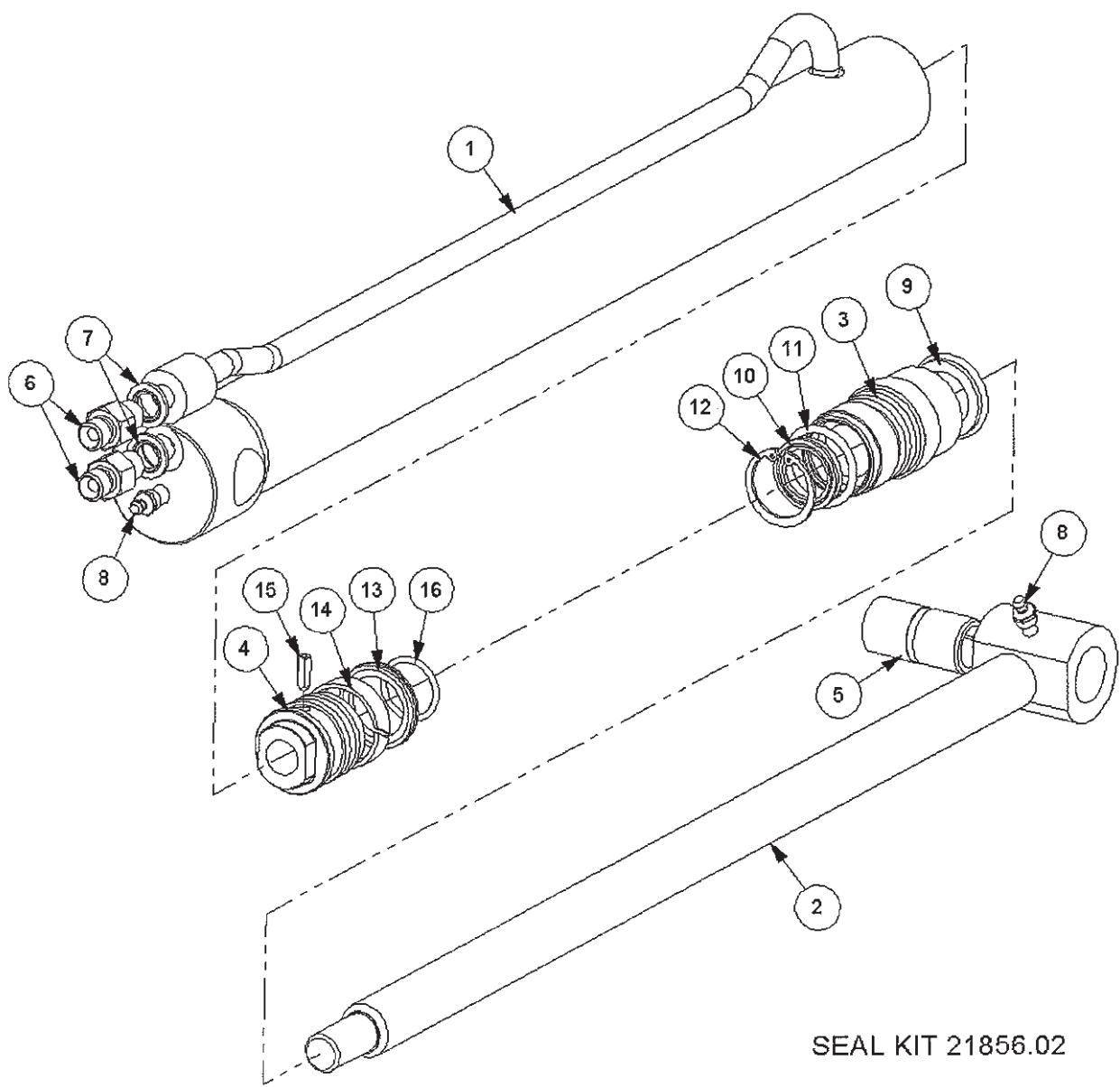
Ref	Part No	Description	Qty
0	41014.11P	PAINTED RAM	0
1	41034.04	RAM BARREL	1
2	41035.04	PISTON ROD	1
3	7120383	PISTON	1
4	7120384	HOUSING	1
5	8629189	SEAL	1
6	8629190	SEAL	1
7	8629164	SEAL	1
8	8629147	SEAL	1
9	8600429	"O" RING	1
10	8609429	ANTI.EXT.RING	1
11	7105050	BUSH	1
12	0901124	GREASER	2
13	9363023	SCREW	1
14	8600403	"O" RING	1
15	8650103	SEAL	3
16	46518.08	RESTRICTOR	2
17	8003001	PLUG	1
18	8699228	SEAL KIT	0

41015.03 B - RAM ASSY



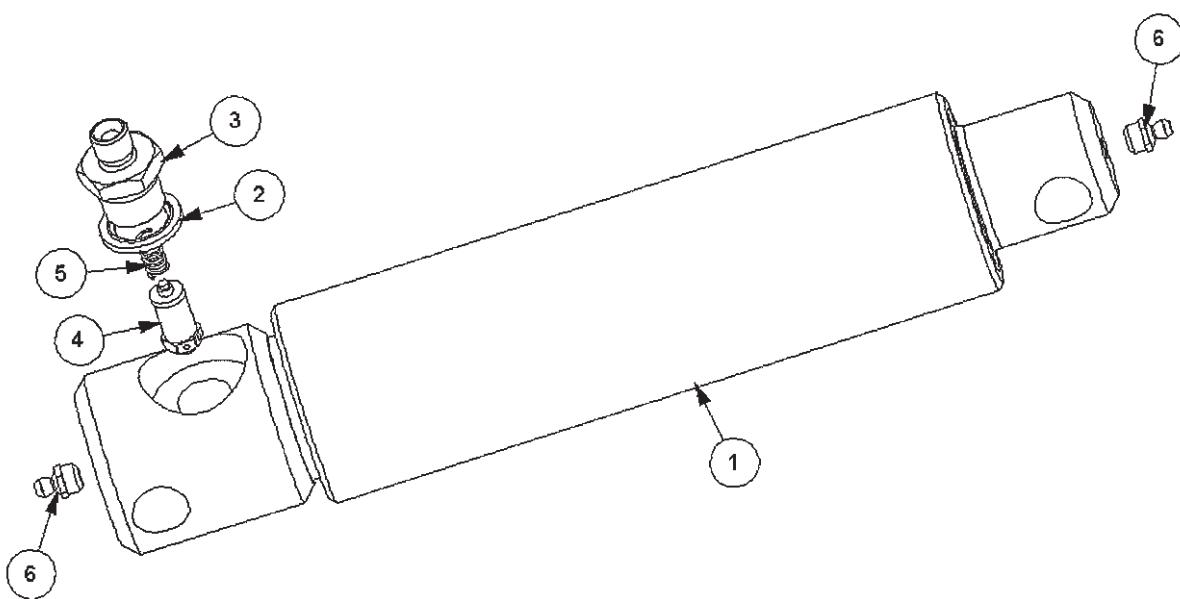
41015.03 B - RAM ASSY

Ref	Part No	Description	Qty
1	41015.03AP	RAM ASSY	1
1	41015.03P	RAM -PAINTED	0
7	8699217	SEAL KIT	0
11	7105050	BUSH	1
12	0901121	GREASER	1
14	8650103	SEAL	2
15	8130046	RESTRICTOR	1
16	8130066	RESTRICTOR	1



21856.01 C - RAM

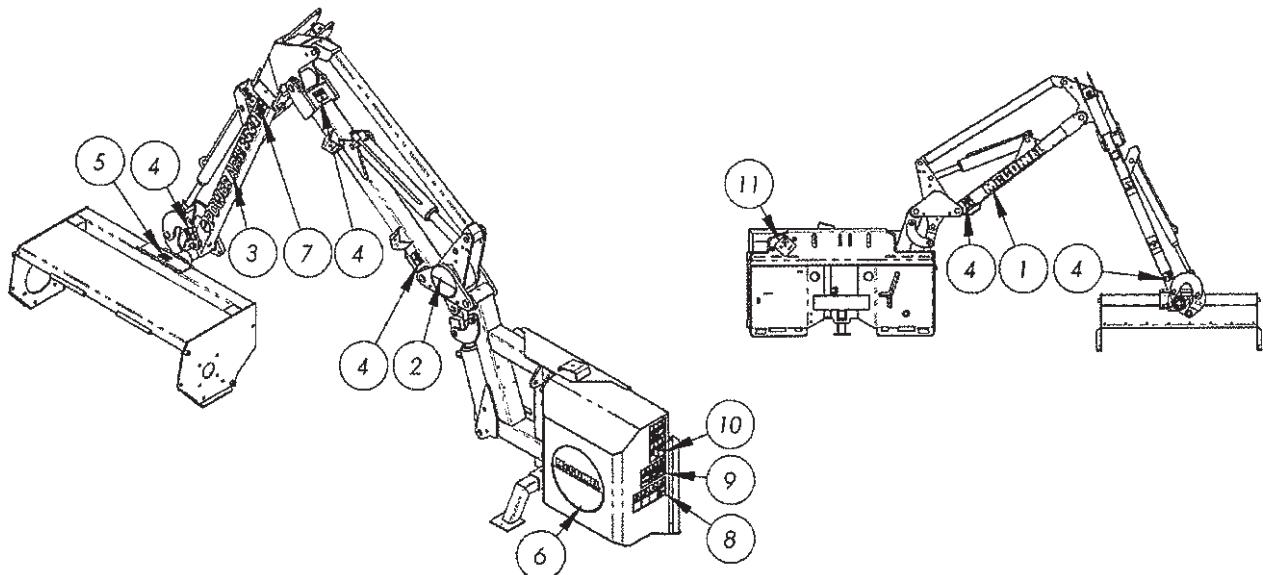
Ref	Part No	Description	Qty
0	21856.01P	PAINTED RAM	0
0	21856.02	SEAL KIT	0
1	21859.01	RAM BARREL	1
2	21857.01	PISTON ROD	1
3	1090273	HOUSING	1
4	21858.01	PISTON	1
5	1130002	BUSH	1
6	8130037	RESTRICTOR	2
7	8650102	SEAL	2
8	0901121	GREASER	2
9	8129161	SCRAPER RING	1
10	8629162	SEAL	1
11	8600124	"O" RING	1
12	0411234	CIRCLIP	1
13	8629240	PISTON SEAL	1
14	8629241	WEAR RING	1
15	42775.03	DOWEL	1
16	8600120	O RING	1
17	8609124	AE RING	1



41322.02 - RAM

Ref	Part No	Description	Qty
1	7198292AP	RAM	1
1	7198292P	RAM -PAINTED	0
2	8650104	SEAL	1
3	8130083	BODY	1
4	8130189	VALVE	1
5	8116011	SPRING	1
6	0901121	GREASER	2

7490652 B - DECAL KIT



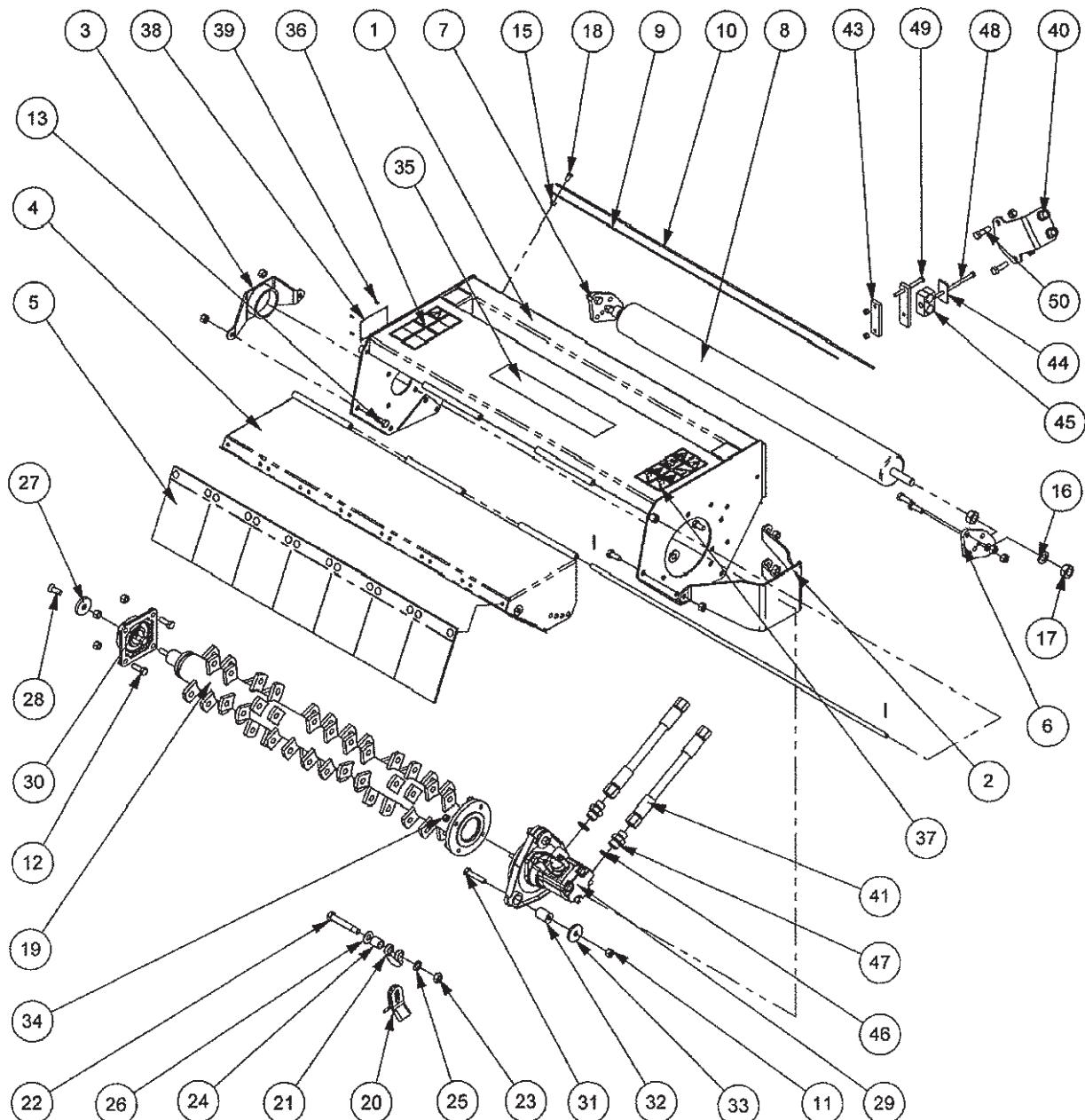
7490652 B - DECAL KIT

Ref	Part No	Description	Qty
1	1290255	DECAL	1
2	1290296	DECAL	1
3	1290930	PA3530 D/ARM DECAL	1
4	02962764	DECAL	7
5	21917.06	DECAL	1
6	1290870	DECAL	1
7	1290746	DECAL	1
8	09.821.28	DECAL	1
9	09.821.32	DECAL	1
10	09.821.35	DECAL	1
11	7105130	DECAL	1

1.0M SLIDING FLAILHEAD ASSEMBLY

Module(s): 7490805

McCONNELL



REF.	QTY.	PART No.	DESCRIPTION
		7490805	1.0M SLIDING FLAILHEAD ASSEMBLY
1	1	41282.12	CASING - 1.0m RH IB / LH OB (SLIDING)
	1	41282.11	CASING - 1.0m RH OB / LH IB (SLIDING)
2	1	42495.01	MOTOR COVER - L/H
	1	42495.02	MOTOR COVER - R/H
3	1	42496.01	BEARING COVER
4	1	7442250	FRONT HOOD KIT
5	1	7442254	FRONT FLAP KIT

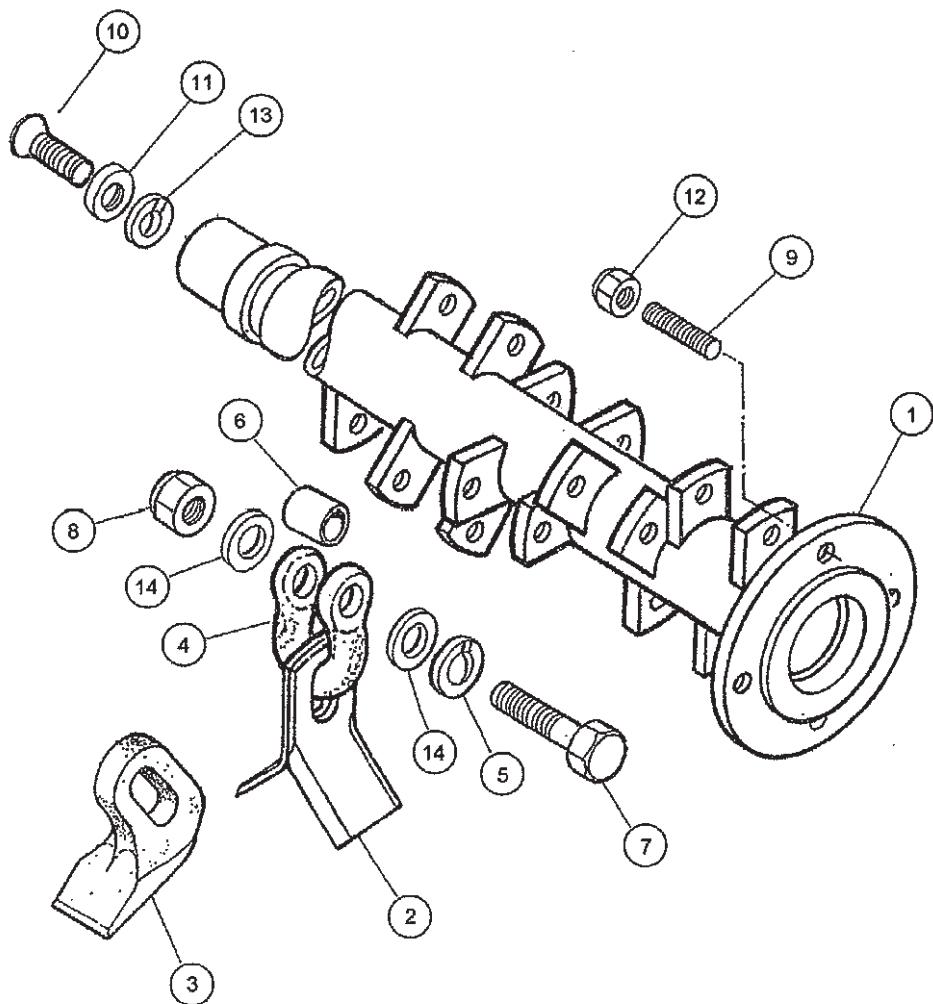
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1.0M SLIDING FLAILHEAD ASSEMBLY

Module(s): 7490805

McCONNEL

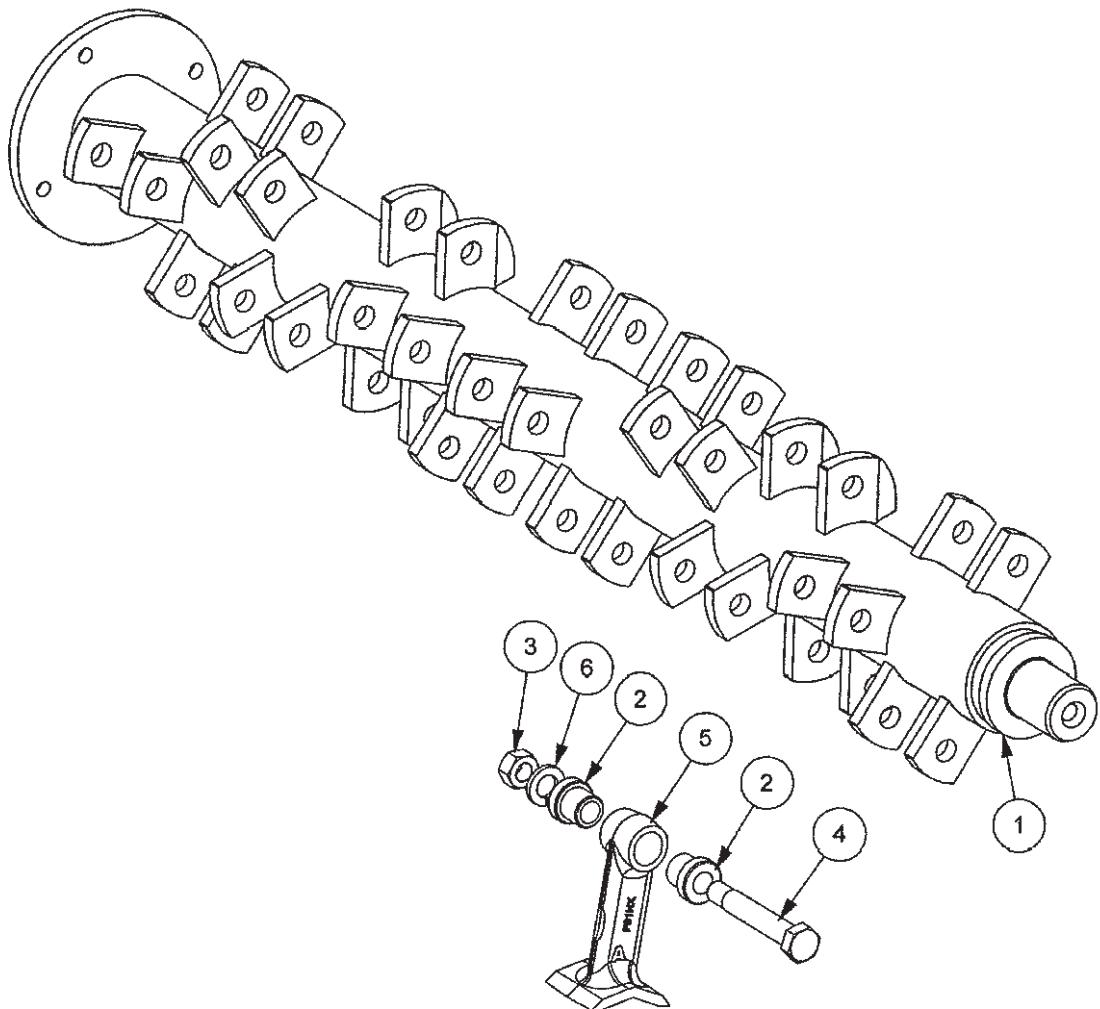
REF.	QTY.	PART No.	DESCRIPTION
		7490805	1.0M SLIDING FLAILHEAD ASSEMBLY
6	1	41285.03	ROLLER BRACKET - L/H
7	1	41285.04	ROLLER BRACKET - R/H
8	1	41301.02	ROLLER
9	1	41290.02	CLAMP STRIP
10	1	41289.02	REAR FLAP
11	18	9143006	SELF-LOCKING NUT
12	8	9313076	SETSCREW
13	2	9313066	SETSCREW
14	3	9313056	SETSCREW
15	11	9143004	SELF-LOCKING NUT
16	2	9100208	SPRING WASHER
17	4	9113008	NUT
18	9	9313034	SETSCREW
19	1	41284.02	ROTOR - 1.0M
20	56	7190166	GRASS FLAIL
21	28	05.895.01	SHACKLE
22	28	05.775.10	SPECIAL BOLT
23	28	05.968.06	SELF-LOCKING NUT
24	28	02.807.01	SPACER
25	28	9100207	SPRING WASHER
26	56	05.281.04	FLAT WASHER
27	1	42503.01	SPECIAL WASHER
28	1	9353076	CAPSCREW
29	1	42603.02	MOTOR ASSEMBLY
30	1	03.008.01	BEARING FLANGE
31	3	9213126	BOLT
32	3	03.871.01	RUBBER BUSH
33	3	02.824.01	WASHER
34	4	05.968.02	FINE SELF-LOCKING NUT
35	1	1290255	DECAL - McCONNEL
36	1	1290738	DECAL - FLAILHEAD
37	1	09.821.35	COMBINED EURO DECAL
38	1	1335246	SERIAL No. PLATE
39	4	7103230	POP RIVET
40	1	41297.01	HOSE BRACKET
41	2	10.007.23	HOSE - 5/8" BSP FS/FS x 1300mm
42	1	21874.01	CLAMP BAR - LONG
43	1	21874.02	CLAMP BAR - SHORT
44	1	06.418.03	CLAMP PLATE
45	1	06.430.09	DOUBLE HOSE CLAMP
46	2	8650106	BONDED SEAL
47	2	8581270	BSP ADAPTOR
48	1	9213284	BOLT
49	1	9213204	BOLT
50	2	9313086	SETSCREW



REF.	QTY.	PART No.	DESCRIPTION
ROTOR ASSEMBLY & FLAIL OPTIONS			
1	1	41284.02	ROTOR ASSEMBLY
2	56	7190166	FLAIL - GRASS
3	28	7190463	FLAIL - UNIVERSAL
4	28	05.895.01	SHACKLE
5	28	9100207	SPRING WASHER
6	28	02.807.01	SPACER
7	28	05.775.10	SPECIAL BOLT
8	28	05.968.06	SELF-LOCKING NUT
9	4	03.917.01	STUD
10	1	9353073	SETSCREW
11	1	42503.01	SPECIAL WASHER
12	4	05.968.02	SELF-LOCKING NUT
13	1	9100206	SPRING WASHER
14	56	05.281.04	PLAIN WASHER

1.0M ROTOR ASSEMBLY – F91HX Flails

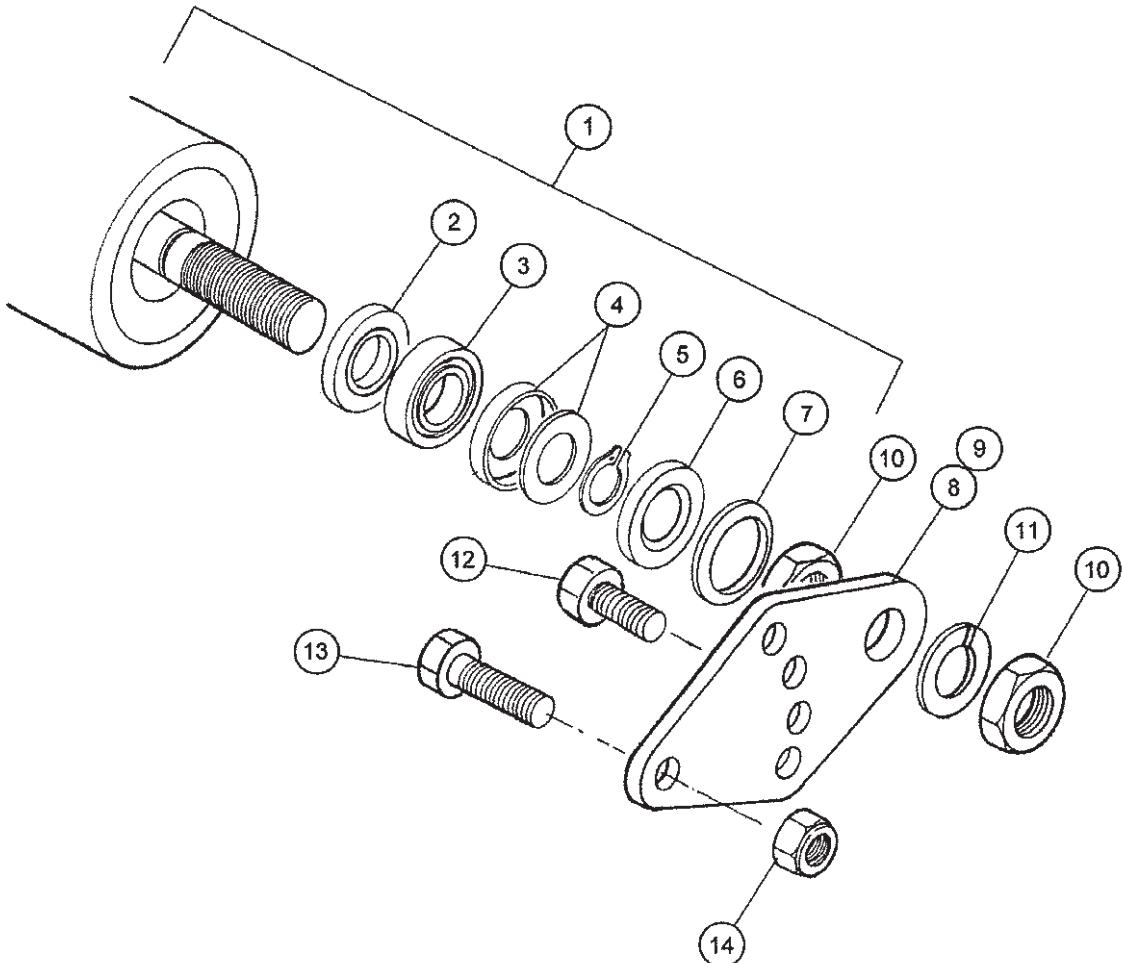
Module(s): 21959.11

McCONNELL

REF.	QTY.	PART No.	DESCRIPTION
		21959.11	1.0M ROTOR ASSEMBLY - F91HX Flails
1	1	41284.02	1.0M ROTOR
2	56	21637.01	FLAIL BUSH - STEPPED
3	28	05.968.06	SELF LOCKING NUT
4	28	05.775.10	BOLT - SPECIAL
5	28	7191320	F91HX CAST FLAIL
6	28	9100207	SPRING WASHER

1.0M ROLLER ASSEMBLY

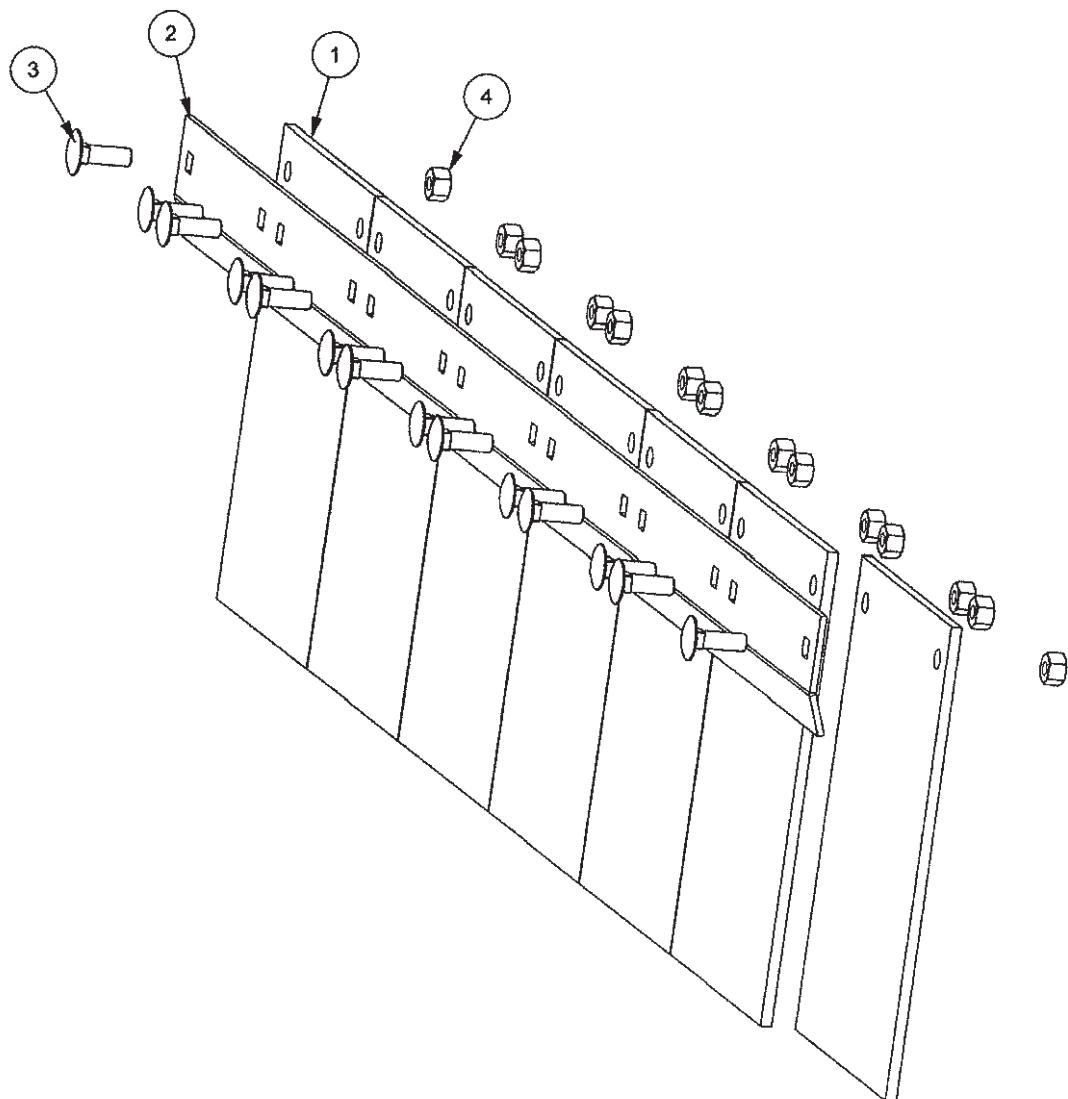
Module(s): 41301.02

McCONNEL

REF.	QTY.	PART No.	DESCRIPTION
ROLLER ASSEMBLY & FITTINGS			
1		41301.02	1.0M ROLLER ASSEMBLY - c/w:
2		04.456.07	SEAL
3		04.456.11	BEARING
4		04.456.06	LABYRINTH SEAL
5		04.456.04	EXTERNAL CIRCLIP
6		04.456.08	V SEAL
7		04.456.05	BEARING RETAINER
8		41285.03	ROLLER BRACKET - L/H
9		41285.04	ROLLER BRACKET - R/H
10		9113008	PLAIN NUT
11		9100208	SPRING WASHER
12		9313066	SETSCREW
13		9313086	SETSCREW
14		9143006	SELF-LOCKING NUT

FRONT FLAP KIT (Option)

Module(s): 7490805

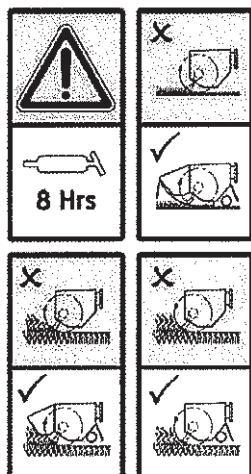
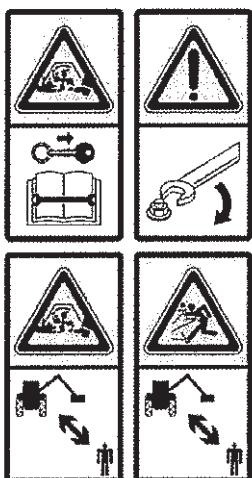
McCONNELL

REF.	QTY.	PART No.	DESCRIPTION
		7442254	FRONT FLAP KIT - 1.0M
1	7	41296.02	FRONT FLAP (2 HOLES)
2	1	41291.02	FRONT FLAP CLAMP STRIP
3	14	9293054	CUP HEAD SCREW
4	14	9143004	SELF-LOCKING NUT

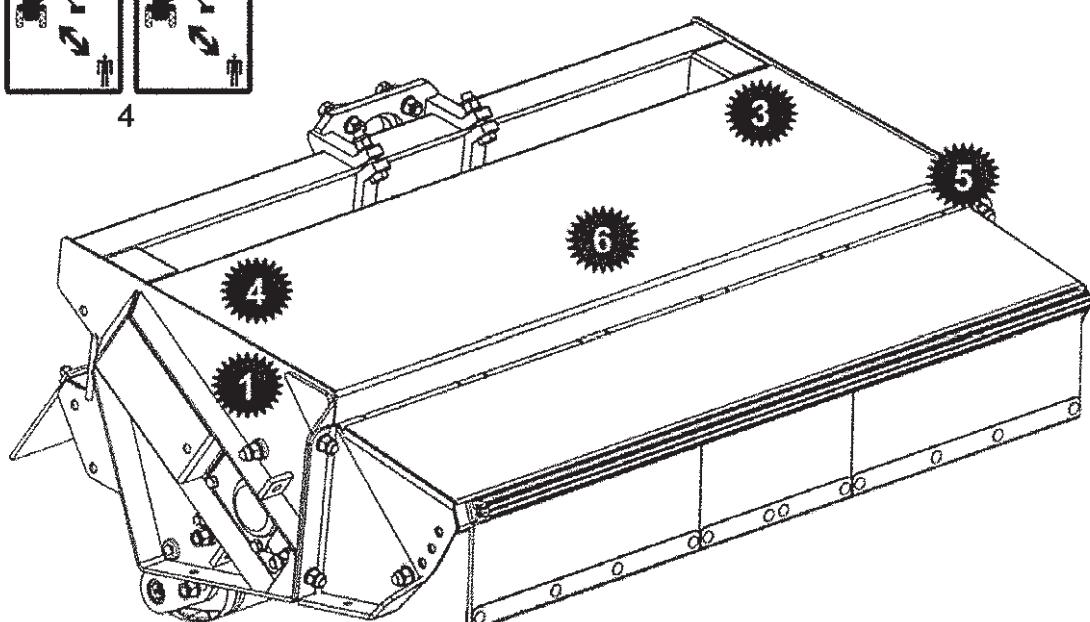
DECALS

Module(s):

McCONNEL



3



Flailhead shown is for general illustration purposes only and appearance may differ from your particular model



1

McCONNEL

6

DECALS

Module(s):

McCONNEL

REF.	QTY.	PART No.	DESCRIPTION
FLAILHEAD DECALS			
1	1	1335246	SERIAL No. PLATE
2	4	7103230	POP RIVET
3	1	1290738	DECAL - FLAILHEAD
4	1	09.821.35	DECAL - COMBINED EURO
5	1	1290392	DECAL - PARTS
6	1	1290255	DECAL - McCONNEL



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