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# Illustrated Parts Manual

## Manuel de pièces détachées

***MODEL / MODELE***  
***TOUCAN 1310***



CE

31210060

September 02, 2011





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Revised / Révisé ..... January 01,2010 .....Modification tilt sensor - Add options

Revised / Révisé ..... September 02,2011.....Change Switches manufacturer



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**SECTION 1  
COVERS INSTALL /  
INSTALLATION CAPOTS**



# SECTION 1 COVERS INSTALL / INSTALLATION CAPOTS

**FIGURE 1-1. COVERS INSTALL / INSTALLATION CAPOTS**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>COVERS INSTALL</b>	<b>INSTALLATION CAPOTS</b>		<b>SP1219</b>
1	000003	3	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT		
2	000015	2	M06x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x16 8.8 BI FT		
3	100016	4	M12x40 8.8 HEX HEAD MACHINE SCREW	VIS H M12x40 8.8 BI FT		
4	110002	6	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
5	110003	2	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
6	110026	4	M06 CAGE HEX NUT	ECROU CAGE M06		
7	120002	3	M05 WASHER	RONDELLE M05 BI		
8	120004	2	dD 06x25 WASHER	RONDELLE dD 06x25x1.2 BI		
9	120015	4	dD 12x27 LOCK WASHER	RONDELLE CONTACT dD 12x27 BI		
10	130021	6	M06x20 8.8 ROUND HEAD MACH SCREW	VIS BOMBEE ULF M06x20 8.8 BI FT		
11	130047	12	M5x16 8.8 COUNTERSUNK HEAD M SCR	VIS FHC M05x16 8.8 BI FT		
12	180003	1	Ø5x10 POP RIVET	RIVET POP Ø5x10		
13	180009	10	Ø5x16 LARGE HEAD POP RIVET	RIVET POP TETE LARGE Ø5x16		
14	180011	28	Ø4x14 EXPENDABLE POP RIVET	RIVET POP ECLATE Ø4x14		
15	180012	3	Ø4.8x14.5 EXPENDABLE POP RIVET	RIVET POP ECLATE Ø4.8x14.5		
16	190018	10	C 7-10 RUBBER LATCH	GRENOUILLE C 7-10		
17	190019	4	C 7-10 LATCH LOCKING TAB	RECEPTACLE C 7-10		
18	190027	2	Ø22 CLIP	CLIP Ø22		
19	190032	3	FEMALE HINGE	PAUMELLE FEMELLE		
20	190033	3	MALE HINGE	PAUMELLE MALE		
21	190034	3	FEMALE HINGE	PAUMELLE FEMELLE		
22	190035	3	MALE HINGE	PAUMELLE MALE		
23	190037	1	ROTARY LATCH	LOQUET		
24	190053	1	C 7-20 RUBBER LATCH	GRENOUILLE C 7-20		
25	190072	1	COMPRESSION LATCH	LOQUET A COMPRESSION		
26	310078	1	HAND PUMP HANDLE	MANCHE DE POMPE A MAIN		
27	400034	1	COLLAR	COLLIER		
28	400057	2	CAP	EMBOUT NOIR		
29	ST2383	1	FRONT PLATE	CARTER AVANT		
30	ST2623	1	HINGE SUPPORT PLATE	TOLE SUPPORT CHARNIERE		
31	ST2396	2	HINGE SUPPORT CROSSBAR	ENTRETOISE SUPPORT CHARNIERE		
32	ST2424	3	MAST TOP COVER	COUVRE MAT		
33	ST2425	1	MAST TOP COVER	COUVRE MAT		
34	ST2426	1	MAST TOP COVER	COUVRE MAT		
35	ST2490	1	LEFT SIDE LOWER COVER	COQUE BASSE GAUCHE		
36	ST2491	1	RIGHT SIDE LOWER COVER	COQUE BASSE DROITE		
37	ST2627	1	TOP COVER	CAPOT HAUT		
38	ST2493	1	LEFT SIDE COVER	CAPOT LATERAL GAUCHE		
39	ST2494	1	RIGHT SIDE COVER	CAPOT LATERAL DROIT		
40	ST2495	1	HATCH	TRAPPE		

# SECTION 1 COVERS INSTALL / INSTALLATION CAPOTS

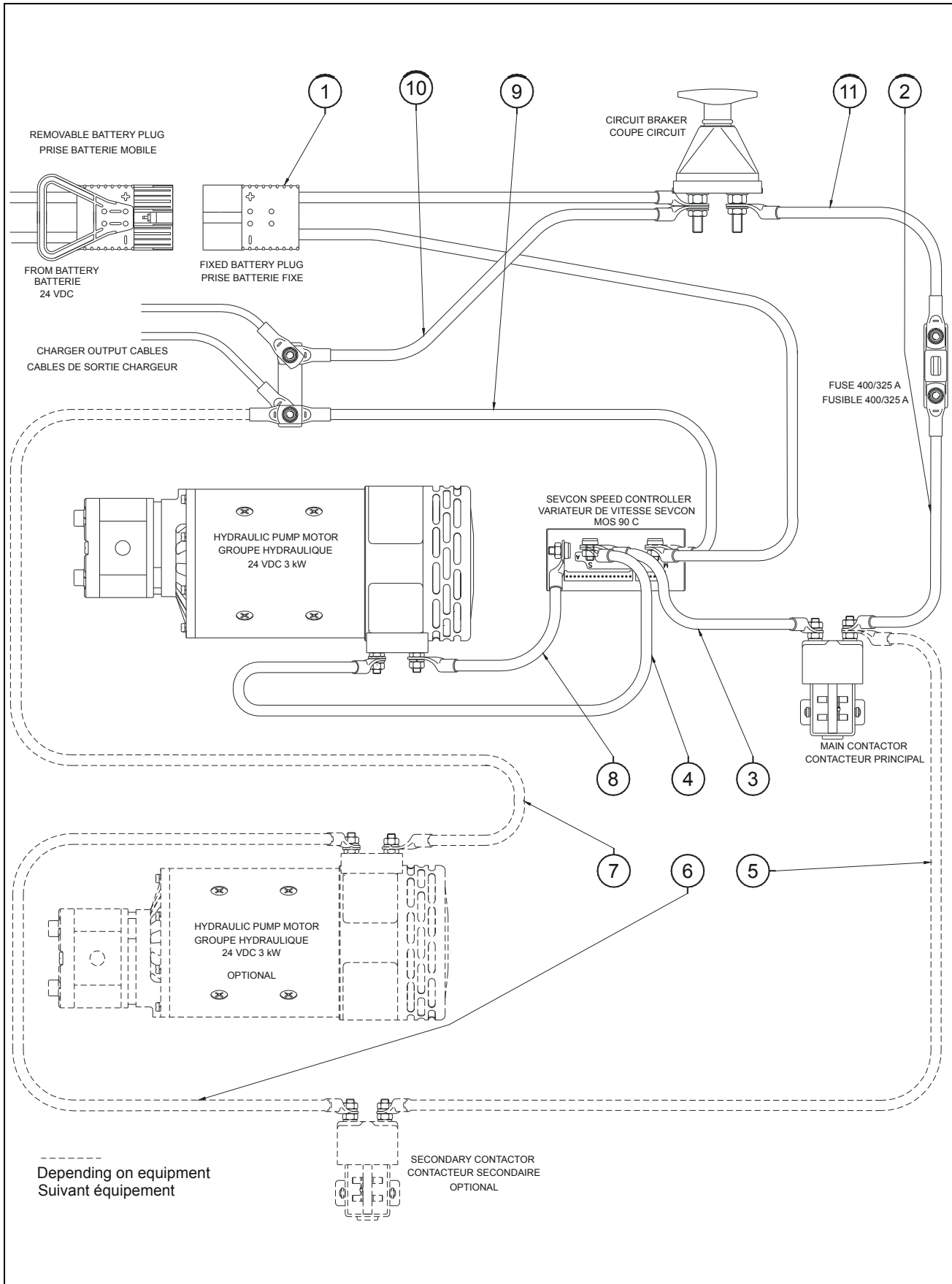
FIGURE 1-1. COVERS INSTALL / INSTALLATION CAPOTS (CONTINUED)

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
41	ST2527	1	FLASHING LIGHT PLATE	BRIDE FEU CLIGNOTANT		SECTION 2
42		2	HARNESS ASSEMBLY-FLASHING LIGHTS	FAISCEAU FEUX A ECLATS		
43	ST3473	1	PLATE,CAP PROTECTION	PLAQUE BOUCHON		

**SECTION 2**  
**ELECTRICAL INSTALL /**  
**INSTALLATION ELECTRIQUE**

# SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

## FIGURE 2-1. S/N PRIOR/AVANT #13113 POWER CIRCUIT / CIRCUIT DE PUISSANCE



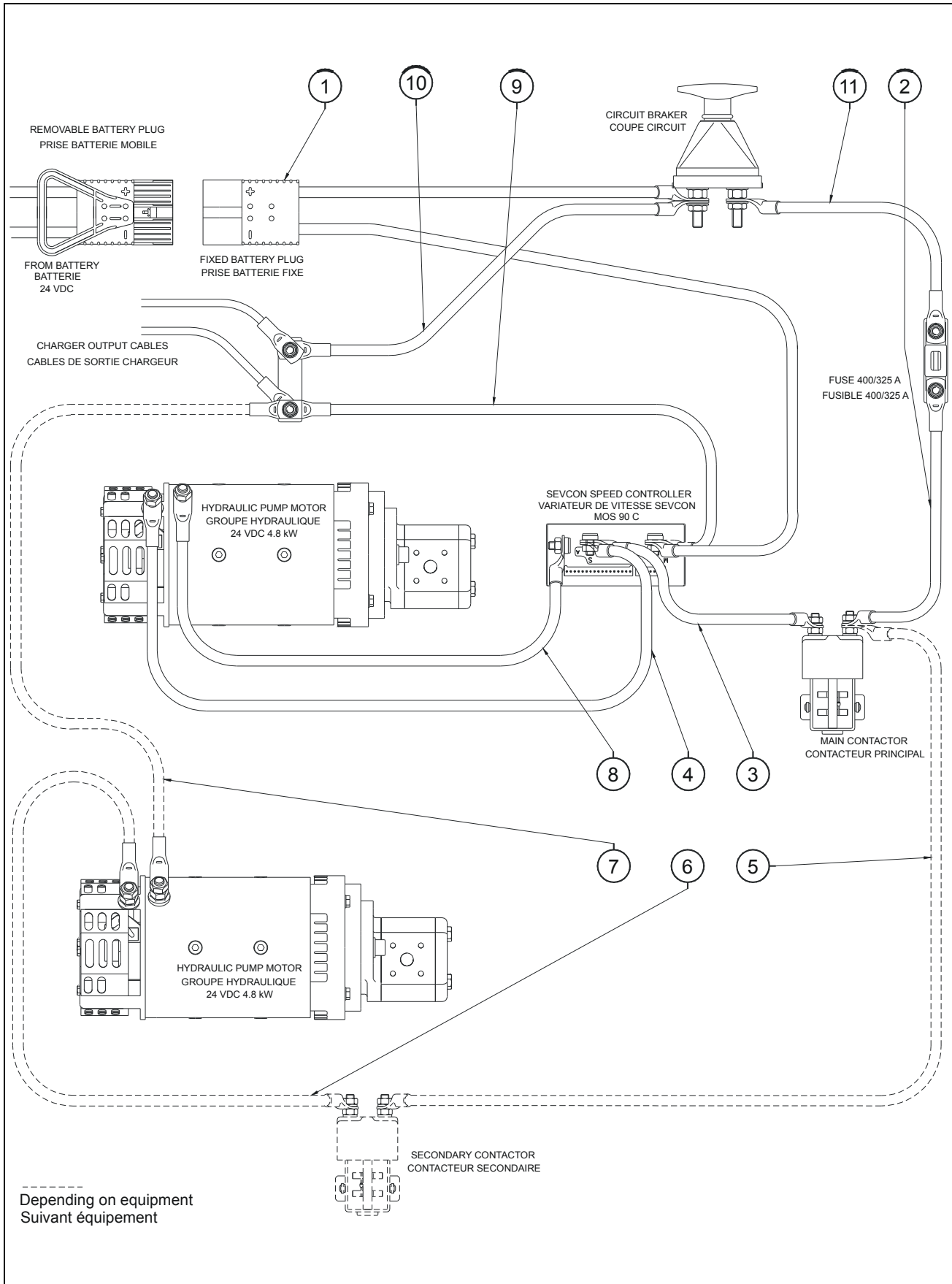
## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-1. S/N PRIOR/AVANT #13113 POWER CIRCUIT / CIRCUIT DE PUISSANCE**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>S/N PRIOR #13113 POWER CIRCUIT</b>	<b>CIRCUIT DE PUISSANCE AVANT N°13113</b>	A	<b>PC0231</b>
1	PC0223	1	HARNESS ASSEMBLY-POWER SUPPLY	FAISCEAU ALIMENTATION		
2	PC0224	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
3	PC0225	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
4	PC0226	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
5	PC0227	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
6	PC0228	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
7	PC0229	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
8	PC0230	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
9	PC0232	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
10	PC0233	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
11	PC0255	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		

# SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

## FIGURE 2-2. S/N SINCE/DEPUIS #13113 POWER CIRCUIT / CIRCUIT DE PUISSANCE





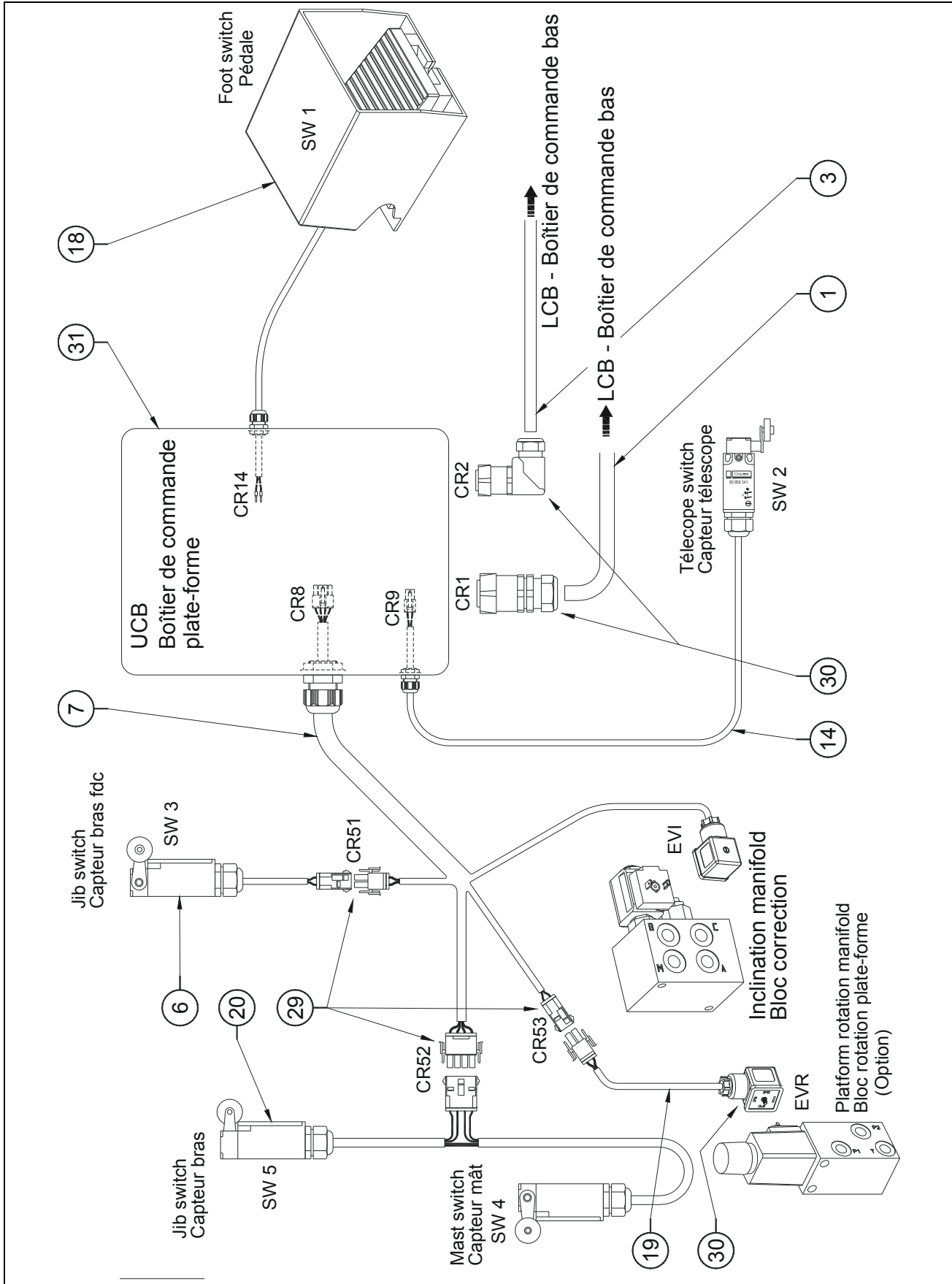
## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-2. S/N SINCE/DEPUIS #13113 POWER CIRCUIT / CIRCUIT DE PUISSANCE**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>S/N SINCE #13113 POWER CIRCUIT</b>	<b>CIRCUIT DE PUISSANCE AVANT N° #13113</b>	A	PC0338
1	PC0223	1	HARNESS ASSEMBLY-POWER SUPPLY	FAISCEAU ALIMENTATION		
2	PC0224	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
3	PC0225	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
4	PC0340	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
5	PC0227	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
6	PC0342	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
7	PC0341	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
8	PC0339	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
9	PC0232	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
10	PC0233	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		
11	PC0255	1	CABLE ASSEMBLY	CABLE ELECTRIQUE		

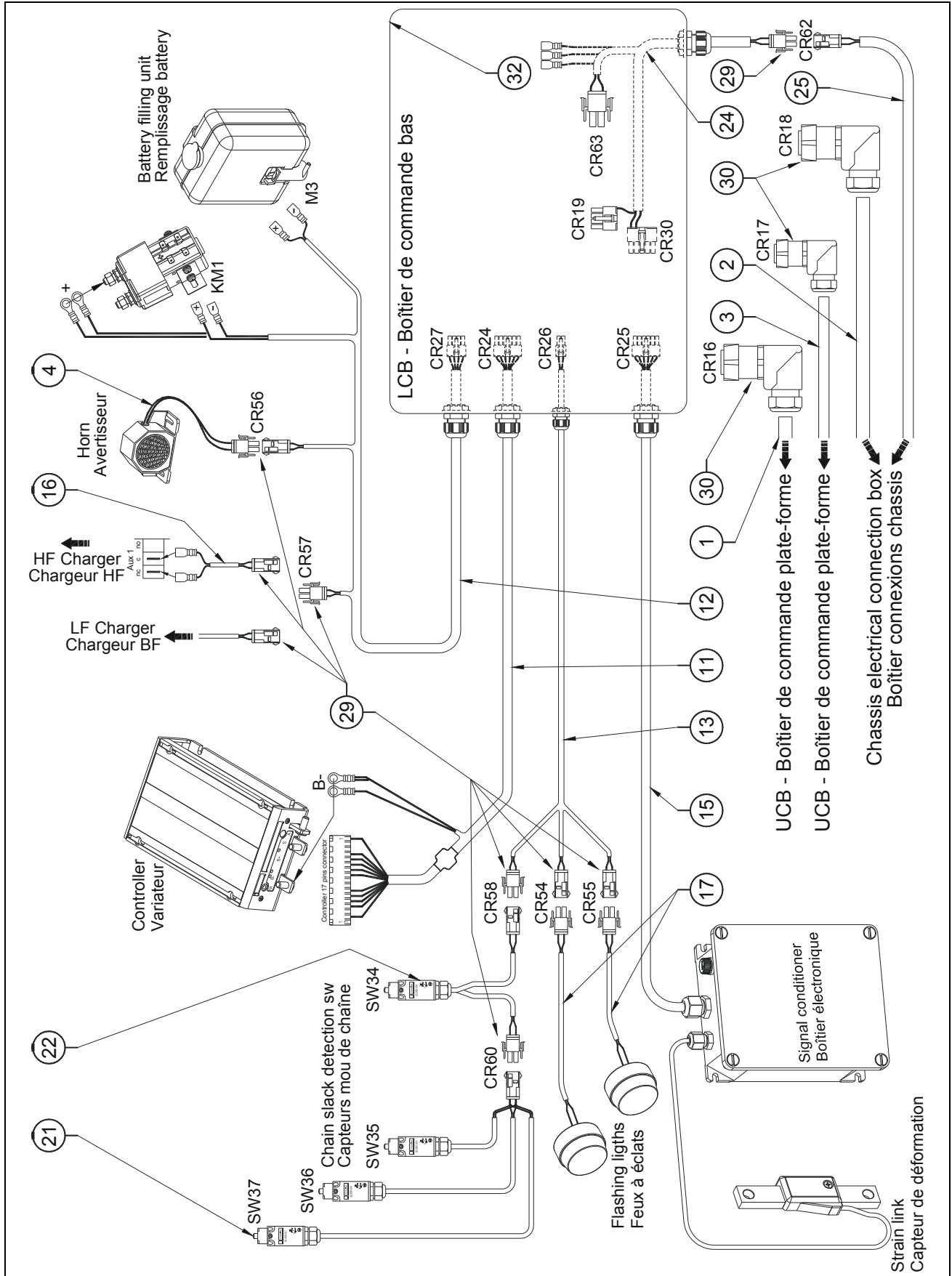
# SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

FIGURE 2-3. S/N PRIOR/AVANT #13148 CONTROL CIRCUIT / CIRCUIT DE COMMANDE



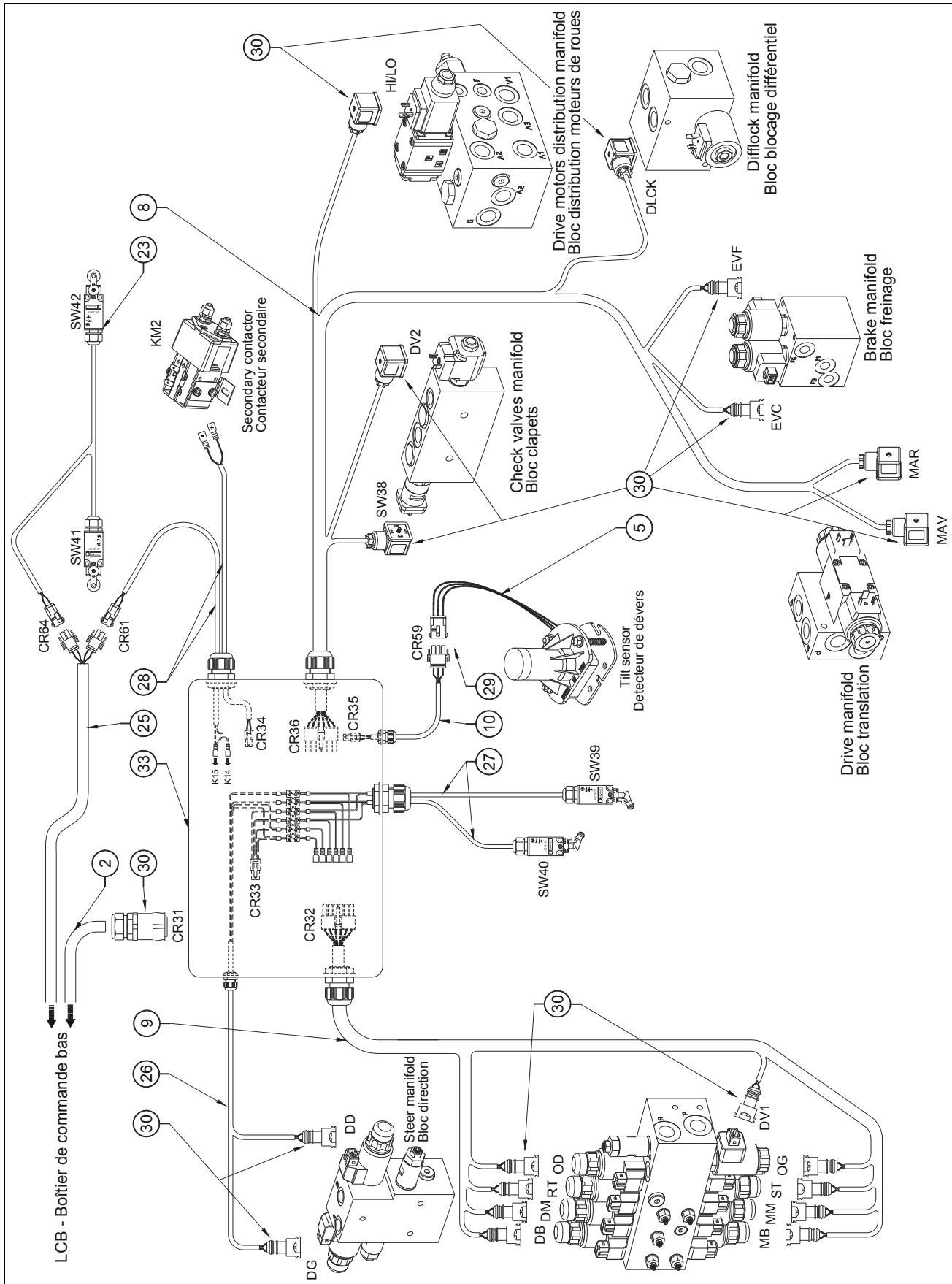
## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-3. S/N PRIOR/AVANT #13148 CONTROL CIRCUIT / CIRCUIT DE COMMANDE**



# SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

FIGURE 2-3. S/N PRIOR/AVANT #13148 CONTROL CIRCUIT / CIRCUIT DE COMMANDE



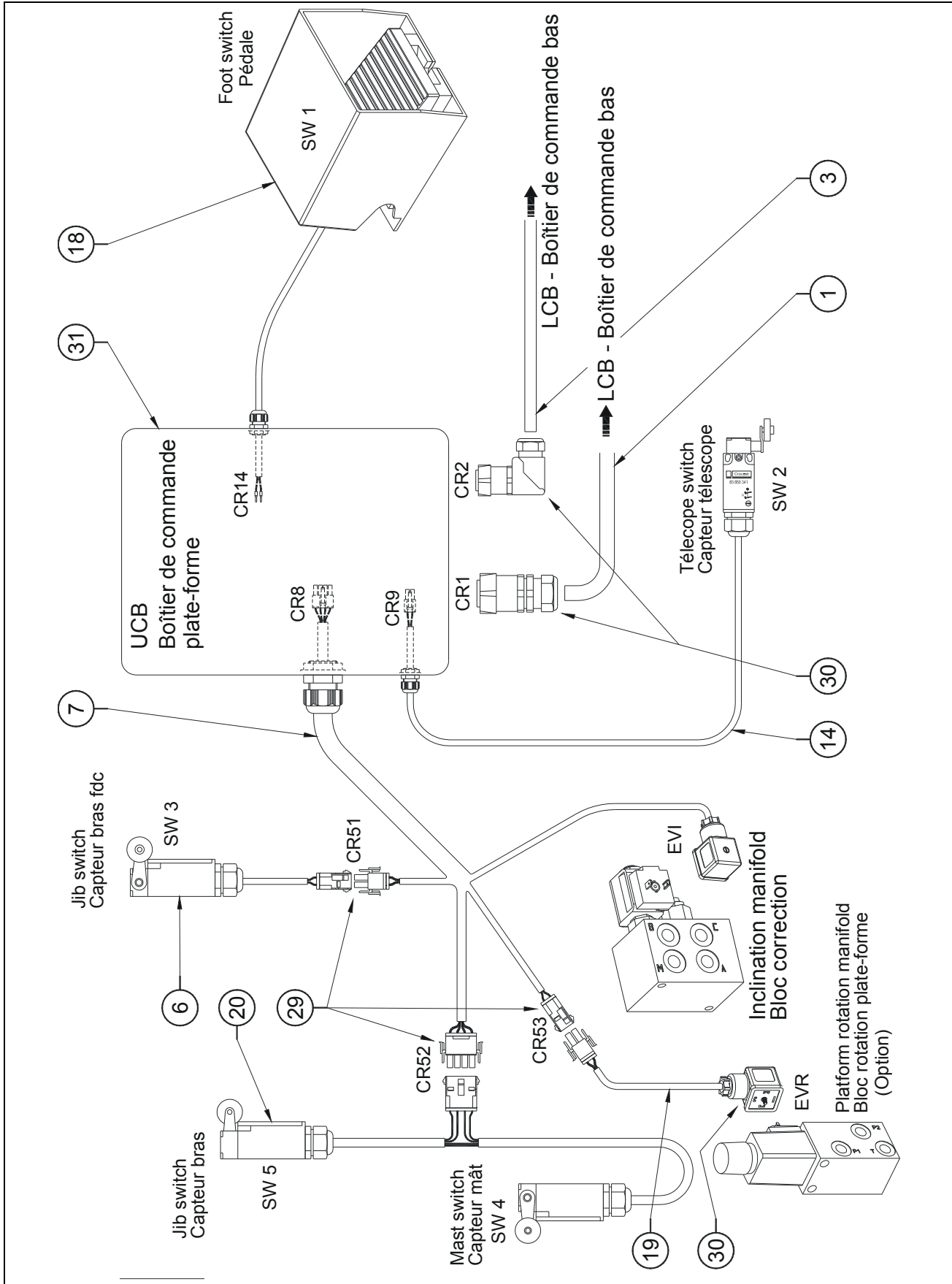
## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-3. S/N PRIOR/AVANT #13148 CONTROL CIRCUIT / CIRCUIT DE COMMANDE**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>S/N PRIOR #13148 CONTROL CIRCUIT</b>	<b>CIRCUIT DE COMMANDE AVANT N°13148</b>	<b>C</b>	<b>SP0765</b>
1	270046	19	CABLE 27x1mm <sup>2</sup> (quantity indicated in meter)	CABLE 27x1mm <sup>2</sup> (qté indiquée en mètre)		
2	270046	6	CABLE 27x1mm <sup>2</sup> (quantity indicated in meter)	CABLE 27x1mm <sup>2</sup> (qté indiquée en mètre)		
3	270055	19	CABLE 18x1mm <sup>2</sup> (qty indicated in meter)	CABLE 18x1mm <sup>2</sup> (qté indiquée en mètre)		
4	PC0201	1	HARNESS ASSEMBLY-HORN	CABLAGE AVERTISSEUR SONORE		
5	PC0203	1	HARNESS ASSEMBLY-TILT SENSOR	CABLAGE DETECTEUR DE DEVERS		
6	PC0238	1	HARNESS ASSEMBLY-JIB LIMIT SWITCH	FAISCEAU CAPTEUR DE BRAS		
7	PC0240	1	HARNESS ASSEMBLY-MAST 6	FAISCEAU MAT 6		
8	PC0241	1	HARNESS ASSEMBLY-DRIVE FUNCTIONS	FAISCEAU TRANSLATION		
9	PC0242	1	HARNESS ASSY-FUNCTION MANIFOLD	FAISCEAU BLOC FONCTIONS		
10	PC0244	1	HARNESS ASSEMBLY-TILT SENSOR	FAISCEAU DETECTEUR DE DEVERS		
11	PC0247	1	HARNESS ASSEMBLY-CONTROLLER	FAISCEAU VARIATEUR		
12	PC0248	1	HARNESS ASSEMBLY-POWER SUPPLY	FAISCEAU ALIMENTATION		
13	PC0249	1	HARNESS ASSEMBLY-CHAIN SLACK	FAISCEAU MOU DE CHAINE		
14	PC0252	1	HARNESS ASSY-TELESCOPE LIMIT SW	FAISCEAU CAPTEUR TELESCOPE		
15	PC0254	1	HARNESS ASSEMBLY-STRAIN LINK	FAISCEAU CAPTEUR DE DEFORMATION		
16	PC0257	1	HARNESS ASSEMBLY-HF CHARGER	FAISCEAU CHARGESUR HF		
17	PC0258	1	HARNESS ASSEMBLY-FLASHING LIGHTS	FAISCEAUX FEUX A ECLATS		
18	PC0259	1	HARNESS ASSEMBLY-FOOT SWITCH	FAISCEAU PEDALE		
19	PC0260	1	HARNESS ASSY-PLATFORM ROTATION	FAISCEAU ROTATION PLATE-FORME		
20	PC0261	1	HARNESS ASSY-JIB / MAST LIMIT SWITCH	FAISCEAU CAPTEURS DE MAT / BRAS		
21	PC0262	1	HARNESS ASSEMBLY-CHAIN SLACK	FAISCEAU MOU DE CHAINE		
22	PC0263	1	HARNESS ASSEMBLY-CHAIN SLACK	FAISCEAU MOU DE CHAINE		
23	PC0264	1	HARNESS ASSEMBLY-DRIVE CUT OUT	FAISCEAU COUPURE TRANSLATION		
24	PC0265	1	HARNESS ASSEMBLY-DRIVE CUT OUT	FAISCEAU COUPURE TRANSLATION		
25	PC0266	1	HARNESS ASSY-DRIVE CUT OUT CONNECTOR	FAISCEAU CONNECTEUR COUPURE TRS		
26	PC0267	1	HARNESS ASSY-STEERING MANIFOLD	FAISCEAU BLOC DE DIRECTION		
27	PC0268	1	HARNESS ASSY-STEERING LIMITATION	FAISCEAU LIMITATION BRAQUAGE		
28	PC0269	1	HARNESS ASSY-SECONDARY CONTACTOR	FAISCEAU CONTACTEUR SECONDAIRE		
29		x	MATE-N-LOK CONNECTORS	CONNECTEURS MATE-N-LOK	C	RM0090
30		x	CONNECTORS ON HARNESS ASSEMBLIES	CONNECTEURS SUR FAISCEAUX	C	RM0091
31	SE0572	1	T1310 UPPER CONTROL BOX ASSEMBLY	ASSEMBLAGE BOITIER HAUT T1310	C	SE0572
32		1	T1310 LOWER CONTROL BOX ASSEMBLY	ASSEMBLAGE BOITIER BAS T1310		SP1304
33	SE0574	1	S/N PRIOR #13148 CHASSIS CONNECTION BOX	BOITIER CONNEXIONS CHASSIS AVANT N°13148	C	
33	SE0631	1	S/N SINCE #13148 CHASSIS CONNECTION BOX	BOITIER CONNEXIONS CHASSIS DEPUIS N°13148	C	

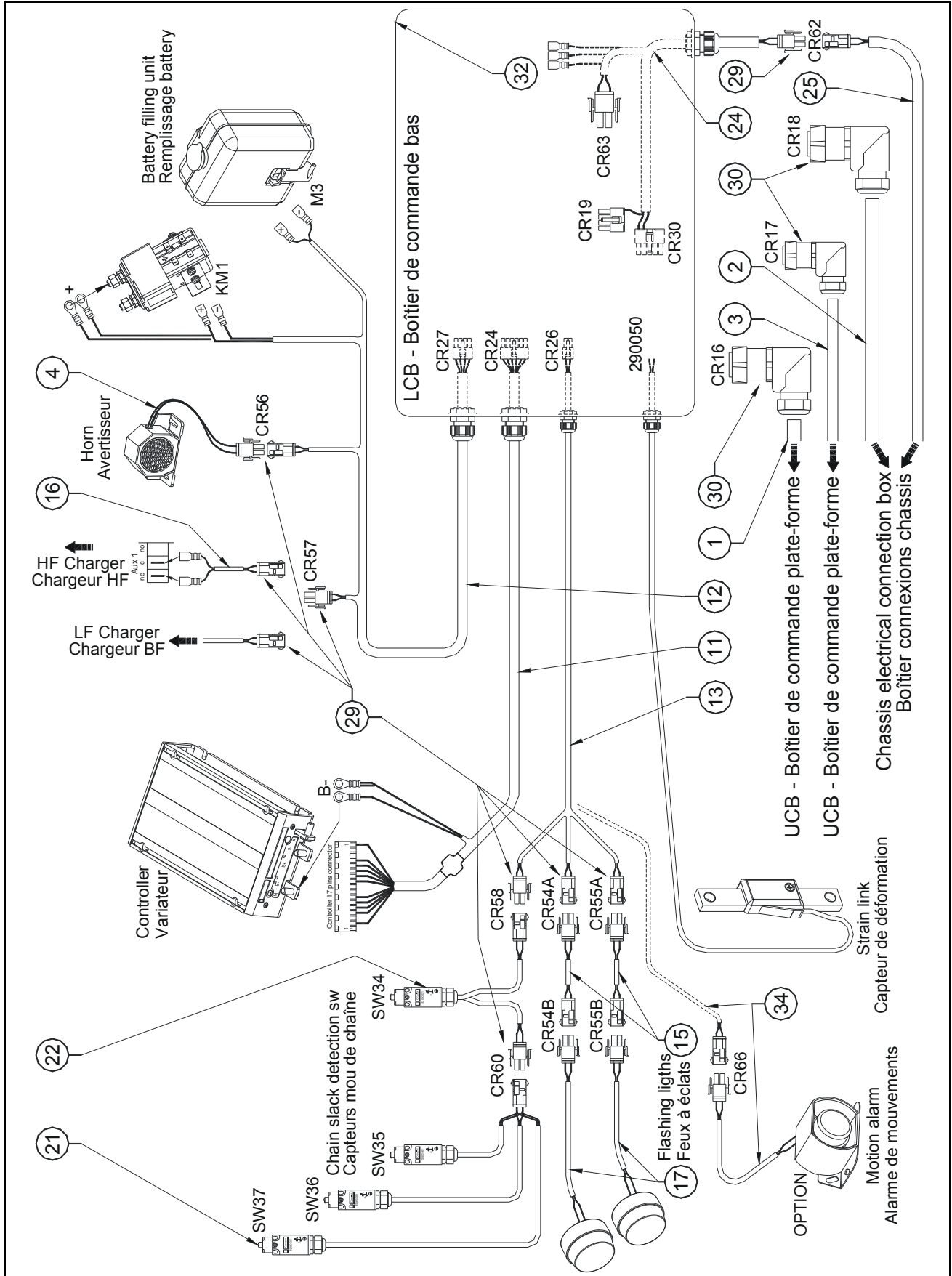
# SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

FIGURE 2-4. S/N SINCE/DEPUIS #13148 CONTROL CIRCUIT / CIRCUIT COMMANDE



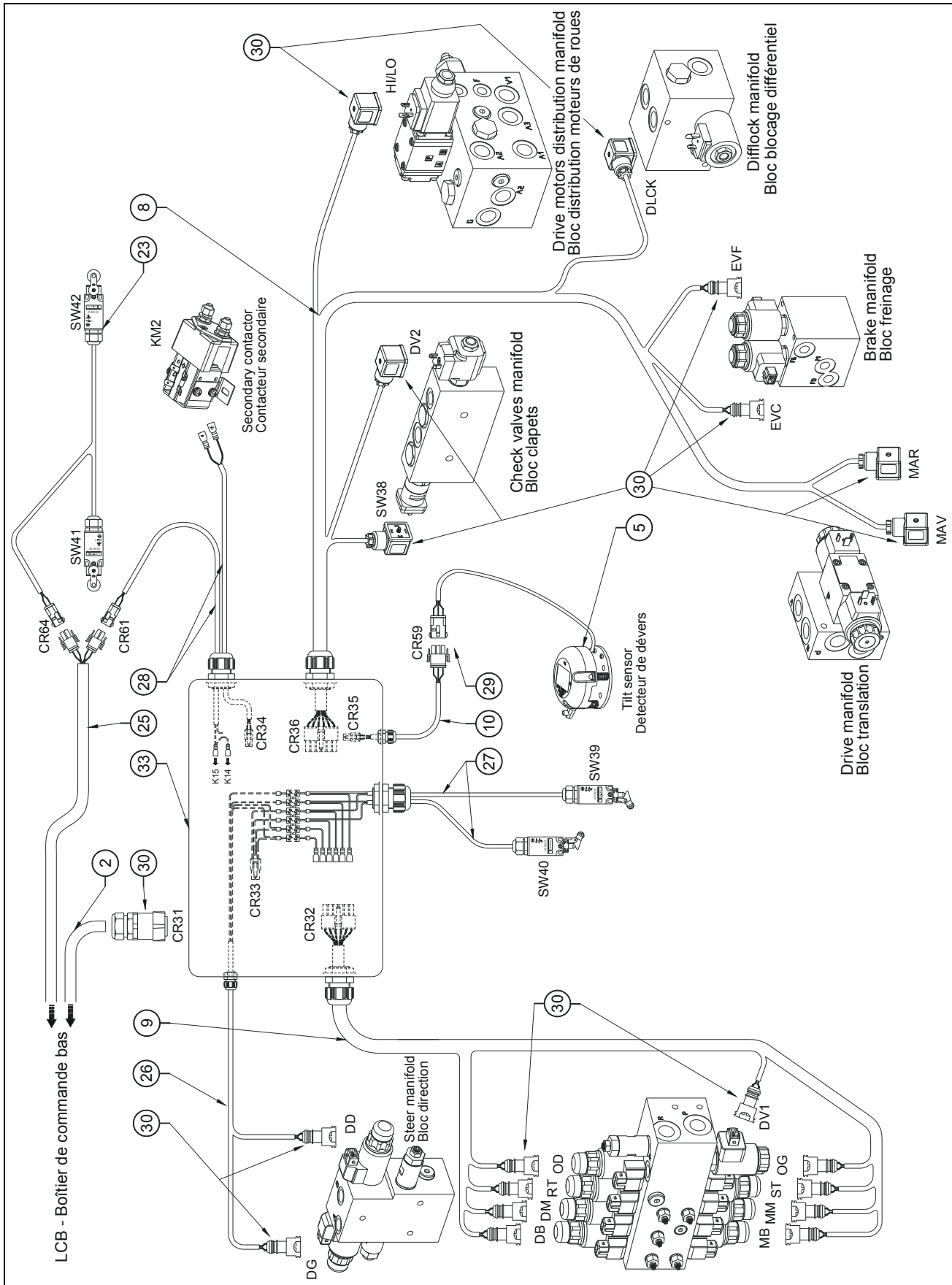
# SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4. S/N SINCE/DEPUIS #13148 CONTROL CIRCUIT / CIRCUIT COMMANDE**



# SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

FIGURE 2-4. S/N SINCE/DEPUIS #13148 CONTROL CIRCUIT / CIRCUIT COMMANDE





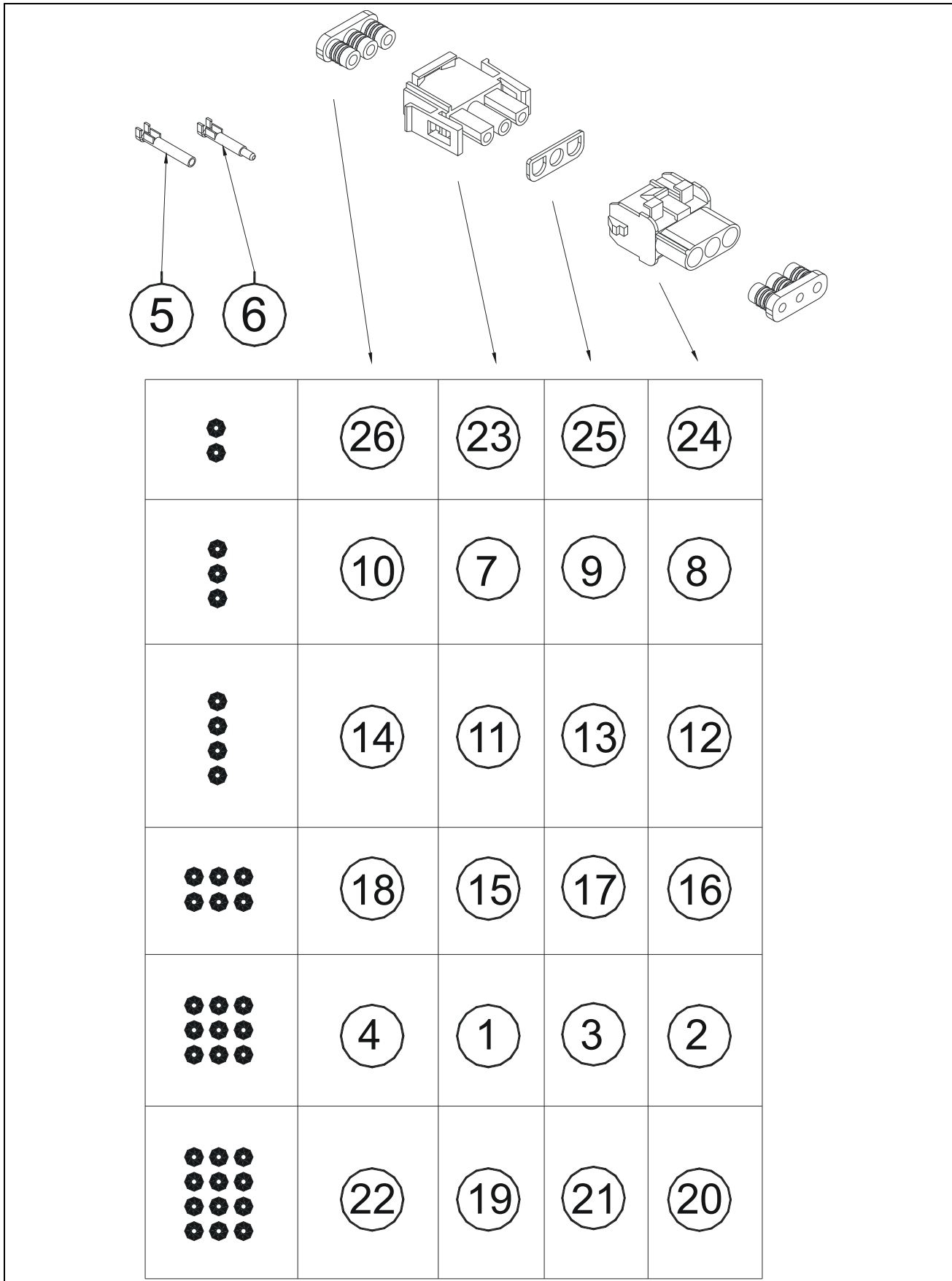
## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4. S/N SINCE/DEPUIS #13148 CONTROL CIRCUIT / CIRCUIT COMMANDE**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION	REV	INFORMATION
			<b>S/N SINCE #13148 CONTROL CIRCUIT</b>		
					<b>CIRCUIT DE COMMANDE DEPUIS N°13148</b>
1	270046	19	CABLE 27x1mm <sup>2</sup> (quantity indicated in meter)		D SP0765
2	270046	6	CABLE 27x1mm <sup>2</sup> (quantity indicated in meter)		
3	270055	19	CABLE 18x1mm <sup>2</sup> (qty indicated in meter)		
4	PC0201	1	HARNESS ASSEMBLY-HORN		
5	260319	1	TILT SENSOR 2°		D
6	PC0238	1	HARNESS ASSEMBLY-JIB LIMIT SWITCH		
7	PC0240	1	HARNESS ASSEMBLY-MAST 6		
8	PC0241	1	HARNESS ASSEMBLY-DRIVE FUNCTIONS		
9	PC0242	1	HARNESS ASSY-FUNCTION MANIFOLD		
10	PC0244	1	HARNESS ASSEMBLY-TILT SENSOR		
11	PC0247	1	HARNESS ASSEMBLY-CONTROLLER		
12	PC0248	1	HARNESS ASSEMBLY-POWER SUPPLY		
13	PC0249	1	HARNESS ASSEMBLY-CHAIN SLACK		
14	PC0252	1	HARNESS ASSY-TELESCOPE LIMIT SW		
15	PC0430	2	FLASHING LIGHT EXTENSION		D
16	PC0257	1	HARNESS ASSEMBLY-HF CHARGER		
17	PC0318	2	HARNESS ASSEMBLY-FLASHING LIGHTS		D
18	PC0259	1	HARNESS ASSEMBLY-FOOT SWITCH		
19	PC0260	1	HARNESS ASSY-PLATFORM ROTATION		
20	PC0261	1	HARNESS ASSY-JIB / MAST LIMIT SWITCH		
21	PC0262	1	HARNESS ASSEMBLY-CHAIN SLACK		
22	PC0263	1	HARNESS ASSEMBLY-CHAIN SLACK		
23	PC0264	1	HARNESS-CROUZET DRIVE CUT OUT		D
23	PC0530	1	HARNESS-TELEMECA DRIVE CUT OUT		D
24	PC0265	1	HARNESS ASSEMBLY-DRIVE CUT OUT		
25	PC0266	1	HARNESS ASSY-DRIVE CUT OUT CONNECTOR		
26	PC0267	1	HARNESS ASSY-STEERING MANIFOLD		
27	PC0268	1	HARNESS ASSY-STEERING LIMITATION		
28	PC0269	1	HARNESS ASSY-SECONDARY CONTACTOR		
29		x	MATE-N-LOK CONNECTORS		C RM0090
30		x	CONNECTORS ON HARNESS ASSEMBLIES		C RM0091
31	SE0572	1	T1310 UPPER CONTROL BOX ASSEMBLY		D SE0572
32	SE0689	1	T1310 LOWER CONTROL BOX ASSEMBLY		D SE0689
33	SE0631	1	CHASSIS ELECTRICAL CONNECTION BOX		D SE0631
34		1	MOTION ALARM OPTION		D OPTION

**SECTION 2 ELECTRICAL INSTALL /  
INSTALLATION ELECTRIQUE**

**FIGURE 2-4-1. MATE-N-LOK CONNECTORS / CONNECTEURS MATE-N-LOK**



## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4-1. MATE-N-LOK CONNECTORS / CONNECTEURS MATE-N-LOK**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION	REV	INFORMATION
			<b>MATE-N-LOK CONNECTORS</b>		<b>RM0090</b>
1	210029		9 POSITIONS PLUG HOUSING "MNL"		
2	210030		9 POSITIONS CAP HOUSING "MNL"		
3	210031		9 POSITIONS INTERFACE SEAL		
4	210032		9 POSITIONS WIRE SEAL		
5	210033		SOCKET CONTACT "MATE-N-LOK"		
6	210034		PIN CONTACT "MATE-N-LOK"		
7	250140		3 POSITIONS "MNL" PLUG HOUSING		
8	250141		3 POSITIONS "MNL" CAP HOUSING		
9	250143		3 POSITIONS INTERFACE SEAL		
10	250144		3 POSITIONS WIRE SEAL		
11	250145		4 POSITIONS "MNL" PLUG HOUSING		
12	250146		4 POSITIONS "MNL" CAP HOUSING		
13	250148		4 POSITIONS INTERFACE SEAL		
14	250149		4 POSITIONS WIRE SEAL		
15	250150		6 POSITIONS "MNL" PLUG HOUSING		
16	250151		6 POSITIONS "MNL" CAP HOUSING		
17	250153		6 POSITIONS INTERFACE SEAL		
18	250154		6 POSITIONS WIRE SEAL		
19	250155		12 POSITIONS "MNL" PLUG HOUSING		
20	250156		12 POSITIONS "MNL" CAP HOUSING		
21	250158		12 POSITIONS INTERFACE SEAL		
22	250159		12 POSITIONS WIRE SEAL		
23	250193		2 POSITIONS "MNL" PLUG HOUSING		
24	250194		2 POSITIONS "MNL" CAP HOUSING		
25	250195		2 POSITIONS INTERFACE SEAL		
26	250196		2 POSITIONS WIRE SEAL		
			<b>CONNECTEURS MATE-N-LOK</b>		
			CONNECTEUR MALE 9 COSSES "MNL"		
			CONNECTEUR FEMELLE 9 COSSES "MNL"		
			JOINT INTERFACE CONNECTEUR 9 CTS		
			JOINT ARRIERE CONNECTEUR 9 CTS		
			CONTACT FEMELLE "MATE-N-LOK"		
			CONTACT MALE "MATE-N-LOK"		
			CONNECTEUR MALE 3 CONTACTS "MNL"		
			CONNECTEUR FEMELLE 3 CTS "MNL"		
			JOINT INTERFACE CONNECTEUR 3 CTS		
			JOINT ARRIERE CONNECTEUR 3 CTS		
			CONNECTEUR MALE 4 CONTACTS "MNL"		
			CONNECTEUR FEMELLE 4 CTS "MNL"		
			JOINT INTERFACE CONNECTEUR 4 CTS		
			JOINT ARRIERE CONNECTEUR 4 CTS		
			CONNECTEUR MALE 6 CONTACTS "MNL"		
			CONNECTEUR FEMELLE 6 CTS "MNL"		
			JOINT INTERFACE CONNECTEUR 6 CTS		
			JOINT ARRIERE CONNECTEUR 6 CTS		
			CONNECTEUR MALE 12 CONTACTS "MNL"		
			CONNECTEUR FEMELLE 12 CTS "MNL"		
			JOINT INTERFACE CONNECTEUR 12 CTS		
			JOINT ARRIERE CONNECTEUR 12 CTS		
			CONNECTEUR MALE 2 CONTACTS "MNL"		
			CONNECTEUR FEMELLE 2 CTS "MNL"		
			JOINT INTERFACE CONNECTEUR 2 CTS		
			JOINT ARRIERE CONNECTEUR 2 CTS		

## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4-2. CONNECTORS ON HARNESS ASSY / CONNECTEURS SUR FAISCEAUX**

Number of pins Nombre de contacts	PART NUMBER / REP				
	MOLEX		FCI		
	Male	Fem			
2	3				
4	4	27			
6	5			GLAND / PE	
8	6			180°	90°
9			12	22	
10	7	28			
12	8				
14	9				
16	10				
18	24		13	21	23
22	25				
24	11				
26			14	20	19

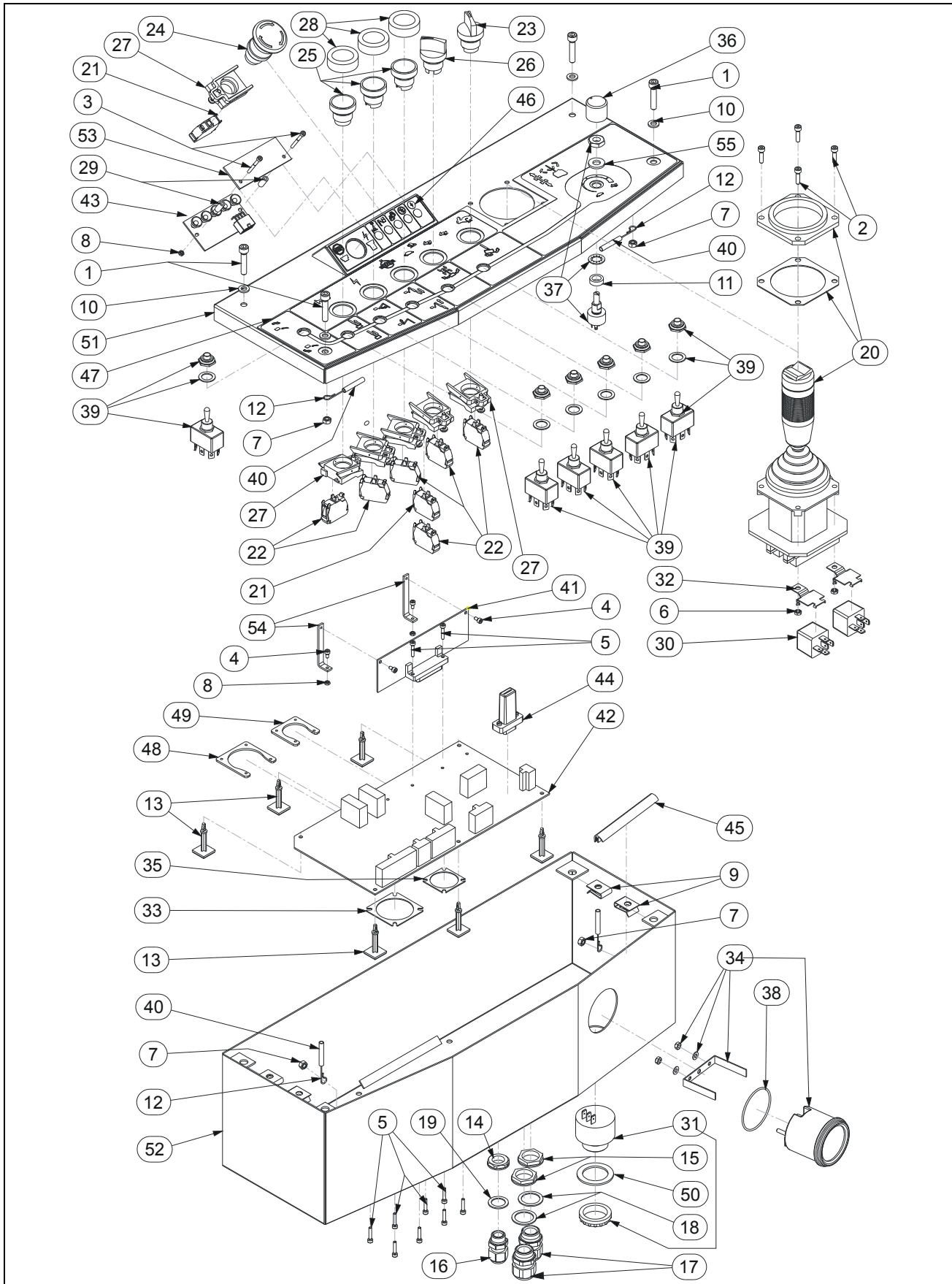
## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4-2. CONNECTORS ON HARNESS ASSY / CONNECTEURS SUR FAISCEAUX**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>CONNECTORS ON HARNESS ASSEMBLIES</b>	<b>CONNECTEURS SUR FAISCEAUX</b>		<b>RM0091</b>
1	250190		SOCKET CONTACT "MOLEX MINI-FIT"	CONTACT FEMELLE "MOLEX MINI-FIT"		
2	260130		SOCKET CONTACT	CONTACT A SERTIR FEMELLE		
3	250206		2 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 2 CTS		
4	250199		4 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 4 CTS		
5	250200		6 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 6 CTS		
6	250189		8 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 8 CTS		
7	250201		10 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 10 CTS		
8	250202		12 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 12 CTS		
9	250203		14 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 14 CTS		
10	250204		16 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 16 CTS		
11	250205		24 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 24 CTS		
12	260177		9 POSITIONS SOCKET HOUSING	CONNECTEUR 9 CONTACTS		
13	260168		18 POSITIONS SOCKET HOUSING	CONNECTEUR 18 CONTACTS		
14	260128		26 POSITIONS SOCKET HOUSING	CONNECTEUR 26 CONTACTS		
15	260132		WIRE SEAL	JOINT DE CONNECTEUR		
16	260136		AMP TIMER CAP HOUSING	CONNECTEUR AMP TIMER		
17	260137		RECEPTACLE CONTACT	CONTACT		
18	900086		GREY CONNECTOR DIN43650-A	CONNECTEUR GRIS DIN43650-A		
18	900087		BLACK CONNECTOR DIN43650-A	CONNECTEUR NOIR DIN43650-A		
19	210020		90° CABLE GLAND N°29	PRESSE ETOUPE COUDE N°29		
20	260129		CABLE GLAND N°29	PRESSE ETOUPE N°29		
21	260169		CABLE GLAND N°21	PRESSE ETOUPE N°21		
22	260179		CABLE GLAND N°16	PRESSE ETOUPE N°16		
23	260221		90° CABLE GLAND N°21	PRESSE ETOUPE COUDE N°21		
24	250216		18 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 18 CTS		
25	250217		22 POS. "MOLEX MINI-FIT" PLUG HOUSING	CONNECTEUR "MOLEX MINI-FIT" 22 CTS		
26	250220		PIN CONTACT "MOLEX MINI-FIT"	CONTACT MALE "MOLEX MINI-FIT"		
27	250221		4 POS. "MOLEX MINI-FIT" SOCKET HOUSING	CONNECTEUR FEM. "MOLEX MINI-FIT" 4 CTS		
28	250222		10 POS. "MOLEX MINI-FIT" SOCKET HOUSING	CONNECTEUR FEM. "MOLEX MINI-FIT" 10 CTS		

# SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

## FIGURE 2-4-3. UPPER CONTROL BOX ASSEMBLY / ASSEMBLAGE BOITIER HAUT



## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4-3. UPPER CONTROL BOX ASSEMBLY / ASSEMBLAGE BOITIER HAUT**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0572</b>		<b>UPPER CONTROL BOX ASSEMBLY</b>	<b>ASSEMBLAGE BOITIER HAUT</b>	<b>B</b>	<b>SE0572</b>
1	000016	4	M06x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x30 8.8 BI FT		
2	000020	2	M04x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M04x20 8.8 BI FT		
3	000052	2	M03x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x30 8.8 BR FT		
4	000065	4	M03x06 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x06 8.8 FT		
5	000091	10	M03x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x16 8.8 BI FT		
6	110001	2	M04 GR. 8.8 LOCK NUT	ECROU FREIN M4 8.8 BI		
7	110002	4	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
8	110024	4	M03 GR. 8.8 LOCK NUT	ECROU FREIN M03 8.8 BI		
9	110026	4	M06 CAGE HEX NUT	ECROU CAGE M06		
10	120009	4	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		
11	120045	1	dDh 10x15x5 PA WASHER	RONDELLE dDh 10x15x5 PA		
12	190047	2	LINKAGE WIRE	CABLE D'ATTACHE		
13	190055	6	ADHESIVE BRACKET SUPPORT	ENTRETOISE SUPPORT CARTE		
14	210009	1	GLAND N°9 NUT	ECROU DE PRESSE ETOUPE N°9		
15	210011	2	GLAND N°13 NUT	ECROU DE PRESSE ETOUPE N°13		
16	210017	1	GLAND N°9	PRESSE ETOUPE N°9		
17	210019	2	GLAND N°13	PRESSE ETOUPE N°13		
18	210057	2	N°13 GLAND SEAL	JOINT DE PRESSE ETOUPE N°13		
19	210063	1	N°9 GLAND SEAL	JOINT DE PRESSE ETOUPE N°9		
20	240044	1	PRIOR 2011 - JOYSTICK	AVANT 2011 - MANIPULATEUR		240044
20	240095	1	SINCE 2011 - JOYSTICK	DEPUIS 2011 - MANIPULATEUR	B	240095
21	240057	2	NC CONTACT BLOCK	CONTACT NF		
22	240058	6	NO CONTACT BLOCK	CONTACT NO		
23	240059	1	2 POSITIONS SELECTOR	SELECTEUR 2 POSITIONS		
24	240060	1	TURN TO RELEASE KNOB	BOUTON D'ARRET D'URGENCE 1/4 TOUR		
25	240061	3	PUSH BUTTON	BOUTON POUSSOIR		
26	240064	1	3 POSITIONS SELECTOR	SELECTEUR 3 POSITIONS		
27	240076	6	CONTACT BLOCK HOLDER	EMBASE CONTACT		
28	240082	3	PUSH BUTTON CAP	CAPUCHON D'ETANCHEITE		
29	250184	2	Ø 3x 14 PLASTIC SPACER	ENTRETOISE PVC Ø 3 lg 14		
30	260019	2	1RT 24V RELAY	RELAIS 24 V 1RT		
31	260045	1	BUZZER 24 V	BUZZER 24 V		
32	260049	2	RELAY HOLDER	SUPPORT RELAIS		
33	260127	1	26 POSITIONS CHASSIS PLUG GASCKET	JOINT CONNECTEUR 26 CONTACTS		
34	260142	1	24V HOURMETRE BATTERY INDICATOR	INDICATEUR DE DECHARGE HORAMETRE		
35	260167	1	18 POSITIONS CHASSIS PLUG GASCKET	JOINT CONNECTEUR 18 CONTACTS		
36	260201	1	POTENTIOMETER KNOB	BOUTON POTENTIOMETRE		
37	260202	1	POTENTIOMETER	POTENTIOMETRE		
38	260209	1	CHARGE INDICATOR RING	JOINT INDICATEUR DE DECHARGE		
39	260261	6	DOUBLE POLE TOGGLE SWITCH	INVERSEUR BIPOLAIRE		

## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4-3. UPPER CONTROL BOX ASSEMBLY / ASSEMBLAGE BOITIER HAUT (CONTINUED)**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
40	280011	2x0.15	Heat Shrink Sleeve 6 (quantity in meter)	GAINÉ THERMO 6 (qté indiquée en mètre)		
41	290026	1	ENABLE BOARD	CARTE VALIDATION		
42	290036	1	UCB MAIN BOARD	CARTE MERE BOITIER HAUT		
43	290033	1	5 LED ELECTRONIC BOARD	CARTE ELECTRONIQUE 5 LED		
44	290037	1	DONGLE	CONNECTEUR SHUNT		
45	400085	1.5	BOX SEAL (quantity indicated in meter)	JOINT BOITIER (quantité indiquée en mètre)		
46	AU1511	1	5 LED LEGEND DECAL	AUTOCOLLANT DE LEGENDE DES 5 LEDS		
47	AU1870	1	UPPER CONTROL BOX DECAL	AUTOCOLLANT BOITIER HAUT		
48	ST1934	1	CONNECTOR PLATE	CONTRE PLAQUE CONNECTEUR		
49	ST1935	1	CONNECTOR PLATE	CONTRE PLAQUE CONNECTEUR		
50	ST2063	1	BUZZER SEAL	JOINT BUZZER		
51	ST2501	1	UPPER CONTROL BOX LID	COUVERCLE BOITIER HAUT		
52	ST2502	1	UPPER CONTROL BOX BOTTOM	FOND BOITIER HAUT		
53	ST2503	1	LED PROTECTOR SCREAN	ECRAN DE PROTECTION DES LEDS		
54	ST2505	2	ENABLE BOARD BRACKET	EQUERRE CARTE VALIDATION		
55	ST2564	1	POTENTIOMETER GASKET	JOINT POTENTIOMETRE		



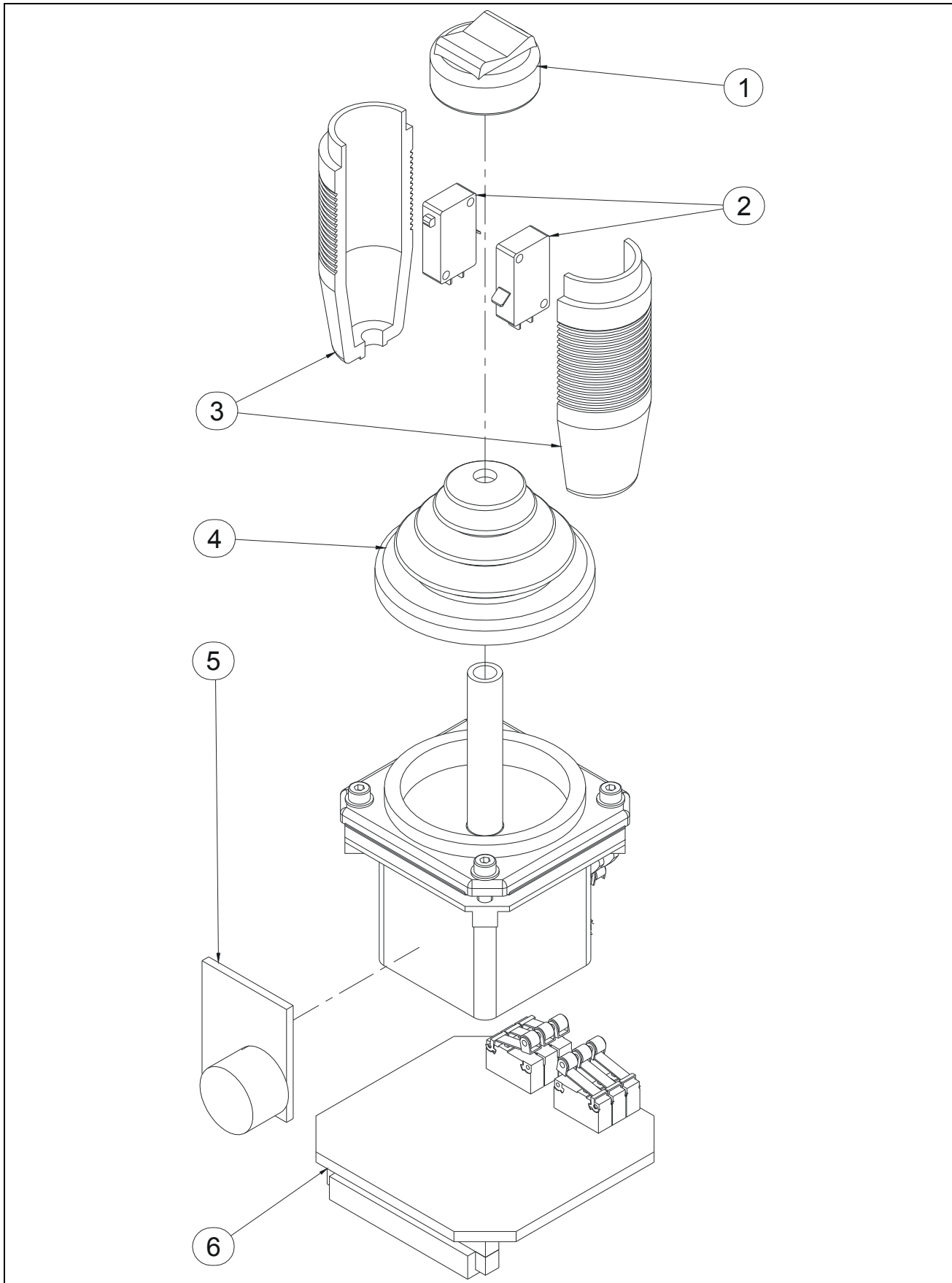
**SECTION 2 ELECTRICAL INSTALL /  
INSTALLATION ELECTRIQUE**

**FIGURE 2-4-3. UPPER CONTROL BOX ASSEMBLY / ASSEMBLAGE BOITIER HAUT (CONTINUED)**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

**SECTION 2 ELECTRICAL INSTALL /  
INSTALLATION ELECTRIQUE**

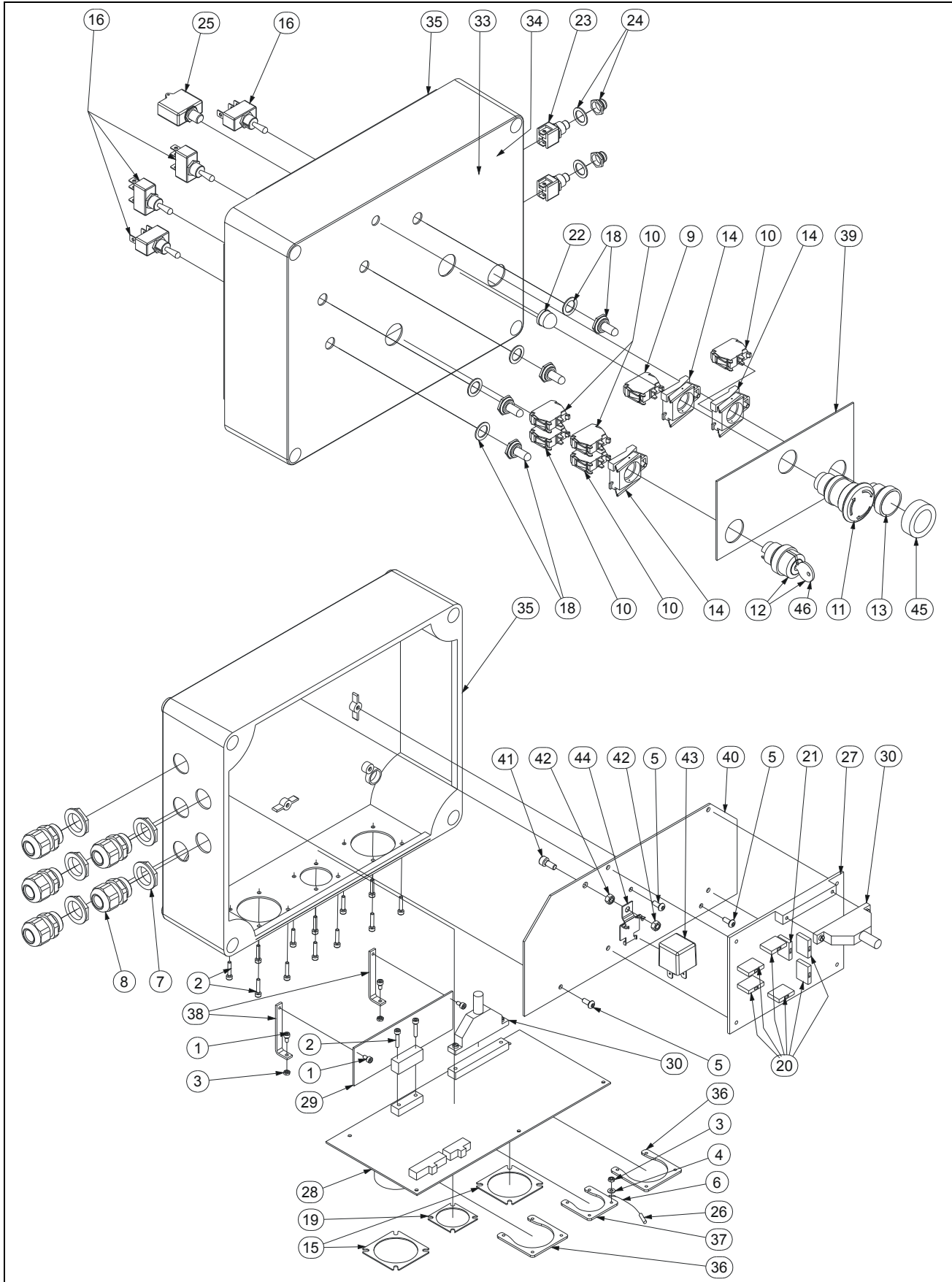
**FIGURE 2-4-3-1. JOYSTICK COMPONENTS / COMPOSANTS MANIPULATEUR**





# SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

## FIGURE 2-4-4. S/N PRIOR/AVANT #13148 LCB ASSY / ASSEMBLAGE BOITIER BAS



## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4-4. S/N PRIOR/AVANT #13148 LCB ASSY / ASSEMBLAGE BOITIER BAS**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>S/N PRIOR #13148 LCB ASSEMBLY</b>	<b>ASSEMBLAGE BOITIER BAS AVANT N°13148</b>	<b>A</b>	<b>SP1304</b>
1	000065	4	M03x06 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x06 8.8 FT		
2	000091	14	M03x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x16 8.8 BI FT	A	
3	110024	3	M03 GR. 8.8 LOCK NUT	ECROU FREIN M03 8.8 BI		
4	120023	1	M03 LOCK WASHER	RONDELLE CONTACT M03 BI		
5	130041	3	SHEET METAL SCREW	VIS AUTOTARAUEUSE		
6	190047	1	LINKAGE WIRE	CABLE D'ATTACHE		
7	210011	5	GLAND N°13 NUT	ECROU DE PRESSE ETOUPE N°13		
8	210019	5	GLAND N°13	PRESSE ETOUPE N°13		
9	240057	1	NC CONTACT BLOCK	CONTACT NF		
10	240058	5	NO CONTACT BLOCK	CONTACT NO		
11	240060	1	TURN TO RELEASE KNOB	BOUTON D'ARRET D'URGENCE 1/4 TOUR		
12	240066	1	3 POSITIONS KEY SELECTOR	SELECTEUR A CLE 3 POSITIONS		
13	240072	1	GREEN PUSCH BUTTON	BOUTON POUSSOIR VERT		
14	240076	3	CONTACT BLOCK HOLDER	EMBASE CONTACT		
15	260127	2	26 POSITIONS CHASSIS PLUG GASCKET	JOINT CONNECTEUR 26 CONTACTS		
16	260133	4	SINGLE POLE TOGGLE SWITCH	INVERSEUR UNIPOLAIRE		
17			NOT REQUIRED	NON REQUIS	A	
18	260135	4	TOGGLE SWITCH COVER	PROTECTION D'INTERRUPTEUR		
19	260167	1	18 POSITIONS CHASSIS PLUG GASCKET	JOINT CONNECTEUR 18 CONTACTS		
20	260200	6	1A QUICK ACTING FUSE	FUSIBLE RAPIDE 1A		
21	260232	1	2A QUICK ACTING FUSE	FUSIBLE RAPIDE 2A		
22	260243	1	CIRCUIT BREAKER BOOT	CAPUCHON DISJONCTEUR		
23	260259	2	PUSH BUTTON MOM NO	BOUTON POUSSOIR MOMENTANE NO		
24	260260	2	PUSH BUTTON SEAL CAP	CAPUCHON ETANCHEITE B. P.		
25	260265	1	CIRCUIT BREAKER 7A	DISJONCTEUR 7A		
26	280011	0.15	Heat Shrink Sleeve 6 (quantity in meter)	GAINÉ THERMO 6 (qté indiquée en mètre)		
27	290010	1	DELAY TIMER BOARD	CARTE TEMPORISATION		
28	290038	1	LOWER CONTROL BOX MAIN BOARD	CARTE MERE BOITIER BAS		
29	290032	1	"POWER PLUS" CONTROL BOARD	CARTE DE CONTRÔLE "POWER PLUS"		
30	PC0270	1	LINK CABLE	CABLE DE LIAISON		
31			NOT REQUIRED	NON REQUIS		
32			NOT REQUIRED	NON REQUIS		
33	AU1715	1	LOWER CONTROL BOX DECAL	AUTOCOLLANT BOITIER BAS	A	
34	AU1525	1	FILLING DECAL	AUTOCOLLANT REMPLISSAGE		
35	SD0628	1	DRILLED ELECTRICAL BOX	BOITIER ELECTRIQUE PERCE		
36	ST1934	2	CONNECTOR PLATE	CONTRE PLAQUE CONNECTEUR		
37	ST1935	1	CONNECTOR PLATE	CONTRE PLAQUE CONNECTEUR		
38	ST2505	2	ENABLE BOARD BRACKET	EQUERRE CARTE VALIDATION		
39	ST2507	1	LCB LID REINFORCEMENT	RENFORT FACADE		
40	ST2511	1	BOARD HOLDER	SUPPORT CARTE TEMPO		

## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4-4. S/N PRIOR/AVANT #13148 LCB ASSY / ASSEMBLAGE BOITIER BAS (CONTINUED)**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
41	000067	1	M05x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x12 8.8 BI FT		
42	110013	2	M05 GR. 8.8 HEX NUT	ECROU H M05 8.8 BI		
43	260019	1	1RT 24V RELAY	RELAIS 24 V 1RT		
44	260049	1	RELAY HOLDER	SUPPORT RELAIS		
45	240082	1	PUSH BUTTON CAP	CAPUCHON D'ETANCHEITE	A	
46	910058	1	KEY N°421E	CLE N°421E	A	

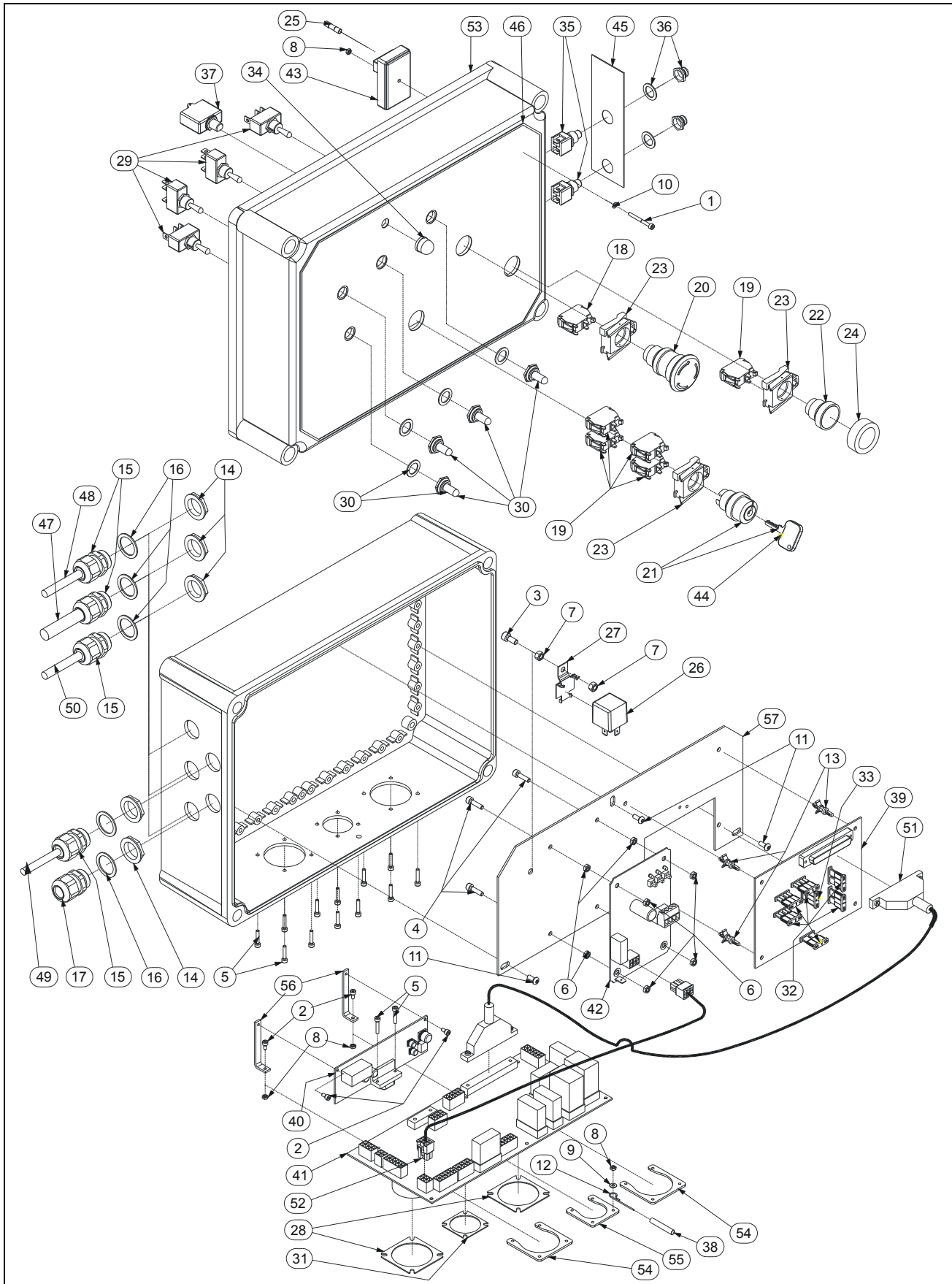
**SECTION 2 ELECTRICAL INSTALL /  
INSTALLATION ELECTRIQUE**

**FIGURE 2-4-4. S/N PRIOR/AVANT #13148 LCB ASSY / ASSEMBLAGE BOITIER BAS (CONTINUED)**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

# SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

## FIGURE 2-4-5. S/N SINCE #13148 LCB ASSEMBLY / BOITIER BAS





## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4-5. S/N SINCE #13148 LCB ASSEMBLY / BOITIER BAS**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>S/N SINCE #13148 LCB ASSEMBLY</b>	<b>ASSEMBLAGE BOITIER BAS DEPUIS N°13148</b>		<b>SE0689</b>
1	000052	1	M03x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x30 8.8 BR FT		
2	000065	4	M03x06 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x06 8.8 FT		
3	000067	1	M05x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x12 8.8 BI FT		
4	000085	4	M04x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M04x16 8.8 BI FT		
5	000091	14	M03x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x16 8.8 BI FT		
6	110001	8	M04 GR. 8.8 LOCK NUT	ECROU FREIN M4 8.8 BI		
7	110013	2	M05 GR. 8.8 HEX NUT	ECROU H M05 8.8 BI		
8	110024	4	M03 GR. 8.8 LOCK NUT	ECROU FREIN M03 8.8 BI		
9	120023	1	M03 LOCK WASHER	RONDELLE CONTACT M03 BI		
10	120040	1	M03 PLASTIC WASHER	RONDELLE PLASTIQUE M03		
11	130041	3	SHEET METAL SCREW	VIS AUTOTARAUEUSE		
12	190047	1	LINKAGE WIRE	CABLE D'ATTACHE		
13	190054	4	BRACKET SUPPORT	ENTRETOISE SUPPORT CARTE		
14	210011	5	GLAND N°13 NUT	ECROU DE PRESSE ETOUPE N°13		
15	210019	4	GLAND N°13	PRESSE ETOUPE N°13		
16	210057	5	N°13 GLAND SEAL	JOINT DE PRESSE ETOUPE N°13		
17	210062	1	GLAND N°13 Ø5 IP65	PRESSE ETOUPE N°13 Ø5 IP65		
18	240057	1	NC CONTACT BLOCK	CONTACT NF		
19	240058	5	NO CONTACT BLOCK	CONTACT NO		
20	240060	1	TURN TO RELEASE KNOB	BOUTON D'ARRET D'URGENCE 1/4 TOUR		
21	240066	1	3 POSITIONS KEY SELECTOR	SELECTEUR A CLE 3 POSITIONS		
22	240072	1	GREEN PUSCH BUTTON	BOUTON POUSSOIR VERT		
23	240076	3	CONTACT BLOCK HOLDER	EMBASE CONTACT		
24	240082	1	PUSH BUTTON CAP	CAPUCHON D'ETANCHEITE		
25	250168	1	SPLICE TERMINAL 1.5-2.5	EPISSURE DE CABLE 1.5-2.5		
26	260019	1	1RT 24V RELAY	RELAIS 24 V 1RT		
27	260049	1	RELAY HOLDER	SUPPORT RELAIS		
28	260127	2	26 POSITIONS CHASSIS PLUG GASCKET	JOINT CONNECTEUR 26 CONTACTS		
29	260133	4	SINGLE POLE TOGGLE SWITCH	INVERSEUR UNIPOLAIRE		
30	260135	4	TOGGLE SWITCH COVER	PROTECTION D'INTERRUPTEUR		
31	260167	1	18 POSITIONS CHASSIS PLUG GASCKET	JOINT CONNECTEUR 18 CONTACTS		
32	260200	6	1A QUICK ACTING FUSE	FUSIBLE RAPIDE 1A		
33	260232	1	2A QUICK ACTING FUSE	FUSIBLE RAPIDE 2A		
34	260243	1	CIRCUIT BREAKER BOOT	CAPUCHON DISJONCTEUR		
35	260259	2	PUSH BUTTON MOM NO	BOUTON POUSSOIR MOMENTANE NO		
36	260260	2	PUSH BUTTON SEAL CAP	CAPUCHON ETANCHEITE B. P.		
37	260265	1	CIRCUIT BREAKER 7A	DISJONCTEUR 7A		
38	280011	0.15	Heat Shrink Sleeve 6 (quantity in meter)	GAINE THERMO 6 (qté indiquée en mètre)		
39	290010	1	DELAY TIMER BOARD	CARTE TEMPORISATION		
40	290032	1	"POWER PLUS" CONTROL BOARD	CARTE DE CONTRÔLE "POWER PLUS"		

## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4-5. S/N SINCE #13148 LCB ASSEMBLY / BOITIER BAS (CONTINUED)**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
41	290038	1	LOWER CONTROL BOX MAIN BOARD	CARTE MERE BOITIER BAS		
42	290050	1	LLD300M82 BOARD	CARTE LLD300M82		
43	290058	1	POWER TIMER	TEMPORISATION MACHINE		
44	910058	1	KEY N°421E	CLE N°421E		
45	AU1525	1	FILLING DECAL	AUTOCOLLANT REMPLISSAGE		
46	AU2070	1	LOWER CONTROL BOX DECAL	AUTOCOLLANT BOITIER BAS		
47	PC0247	1	HARNESS ASSEMBLY-CONTROLLER	FAISCEAU VARIATEUR		
48	PC0248	1	HARNESS ASSEMBLY-POWER SUPPLY	FAISCEAU ALIMENTATION		
49	PC0249	1	HARNESS ASSEMBLY-CHAIN SLACK	FAISCEAU MOU DE CHAINE		
50	PC0265	1	HARNESS ASSEMBLY-DRIVE CUT OUT	FAISCEAU COUPURE TRANSLATION		
51	PC0270	1	LINK CABLE	CABLE DE LIAISON		
52	PC0405	1	HARNESS ASSEMBLY-STRAIN LINK	FAISCEAU CAPTEUR DE DEFORMATION		
53	SD0683	1	DRILLED ELECTRICAL BOX	BOITIER ELECTRIQUE PERCE		
54	ST1934	2	CONNECTOR PLATE	CONTRE PLAQUE CONNECTEUR		
55	ST1935	1	CONNECTOR PLATE	CONTRE PLAQUE CONNECTEUR		
56	ST2505	2	ENABLE BOARD BRACKET	EQUERRE CARTE VALIDATION		
57	ST2887	1	BOARDS HOLDER	SUPPORT CARTES		

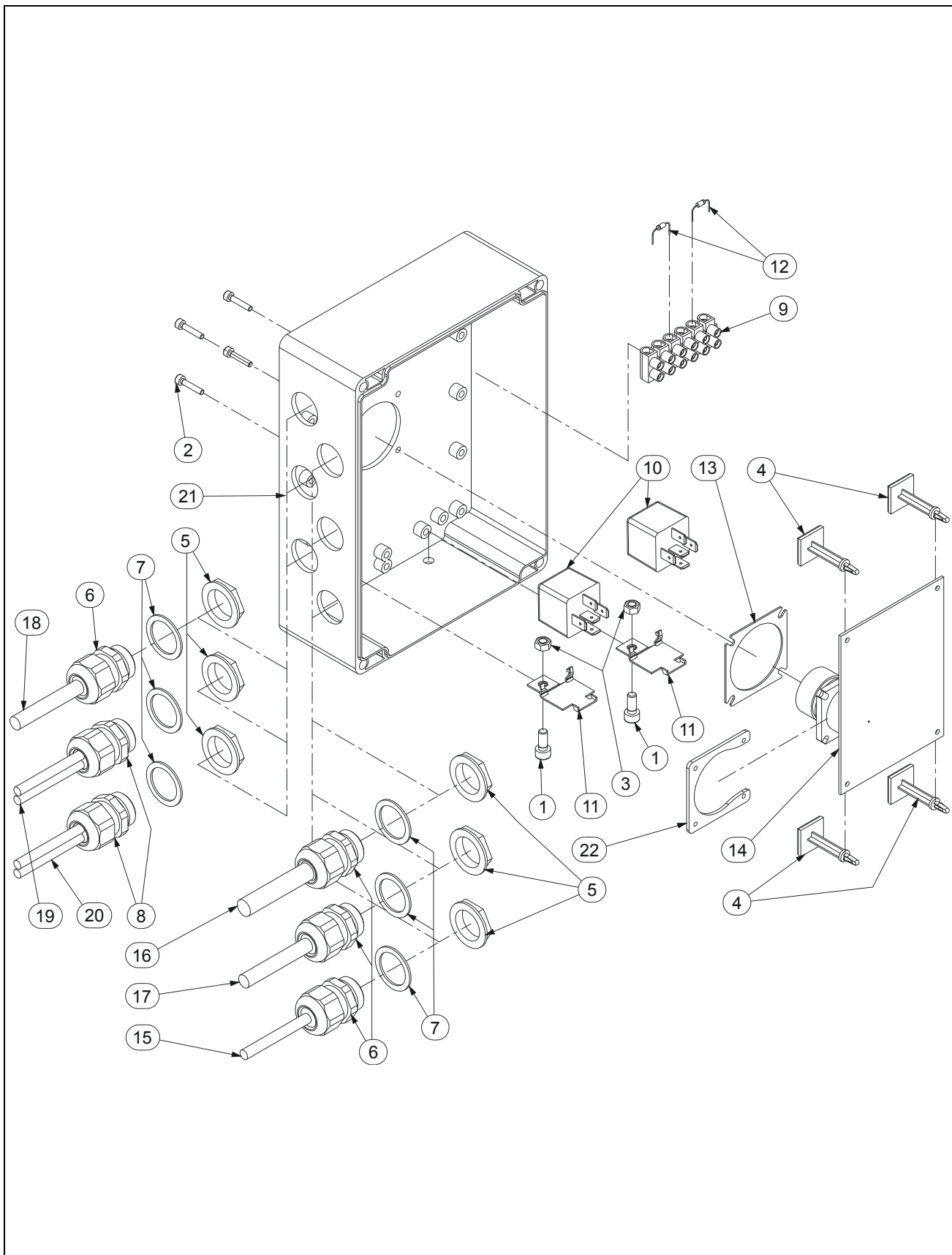
**SECTION 2 ELECTRICAL INSTALL /  
INSTALLATION ELECTRIQUE**

**FIGURE 2-4-5. S/N SINCE #13148 LCB ASSEMBLY / BOITIER BAS (CONTINUED)**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

FIGURE 2-4-6. CHASSIS ELECTRICAL CONNECTION BOX /  
ASSEMBLAGE BOITIER CONNEXION CHASSIS



## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

**FIGURE 2-4-6. CHASSIS ELECTRICAL CONNECTION BOX / ASSEMBLAGE BOITIER CONNEXION CHASSIS**

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	SE0574		S/N PRIOR #13122 CHASSIS CONNECTION BOX	BOITIER CONNEXIONS CHASSIS AVANT N°13122		SE0574
	SE0631		S/N SINCE #13122 CHASSIS CONNECTION BOX	BOITIER CONNEXIONS CHASSIS DEPUIS N°13122		SE0631
1	000067	2	M05x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x12 8.8 BI FT		
2	000091	4	M03x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x16 8.8 BI FT		
3	110013	2	M05 GR. 8.8 HEX NUT	ECROU H M05 8.8 BI		
4	190055	4	ADHESIVE BRACKET SUPPORT	ENTRETOISE SUPPORT CARTE		
5	210011	6	GLAND N°13 NUT	ECROU DE PRESSE ETOUPE N°13		
6	210019	4	GLAND N°13	PRESSE ETOUPE N°13		
7	210057	6	N°13 GLAND SEAL	JOINT DE PRESSE ETOUPE N°13		
8	210059	2	GLAND N°13 2xØ5 IP65	PRESSE ETOUPE N°13 2xØ5 IP65		
9	250018	6	TERMINAL BLOCK 6mm <sup>2</sup>	DOMINO 6mm <sup>2</sup>		
10	260019	2	1RT 24V RELAY	RELAIS 24 V 1RT		
11	260049	2	RELAY HOLDER	SUPPORT RELAIS		
12	260093	2	1A DIODE	DIODE 1A		
13	260127	1	26 POSITIONS CHASSIS PLUG GASCKET	JOINT CONNECTEUR 26 CONTACTS		
14	290034	1	CONNECTION BOARD	CARTE DE DERIVATION		
15	PC0241	1	HARNESS ASSEMBLY-DRIVE FUNCTIONS	FAISCEAU TRANSLATION		
16	PC0242	1	HARNESS ASSY-FUNCTION MANIFOLD	FAISCEAU BLOC FONCTIONS		
17	PC0244	1	HARNESS ASSEMBLY-TILT SENSOR	FAISCEAU DETECTEUR DE DEVERS		
18	PC0267	1	HARNESS ASSY-STEERING MANIFOLD	FAISCEAU BLOC DE DIRECTION		
19	PC0268	1	HARNESS ASSY-STEERING LIMITATION	FAISCEAU LIMITATION BRAQUAGE		
20	PC0269	1	HARNESS ASSY-SECONDARY CONTACTOR	FAISCEAU CONTACTEUR SECONDAIRE		
21	SD0629	1	S/N PRIOR #13122 DRILLED ELECTRICAL BOX	BOITIER ELECTRIQUE PERCE AVANT N°13122		
21	SD0643	1	S/N SINCE #13122 DRILLED ELECTRICAL BOX	BOITIER ELECTRIQUE PERCE DEPUIS N°13122		
22	ST1934	1	CONNECTOR PLATE	CONTRE PLAQUE CONNECTEUR		

## SECTION 2 ELECTRICAL INSTALL / INSTALLATION ELECTRIQUE

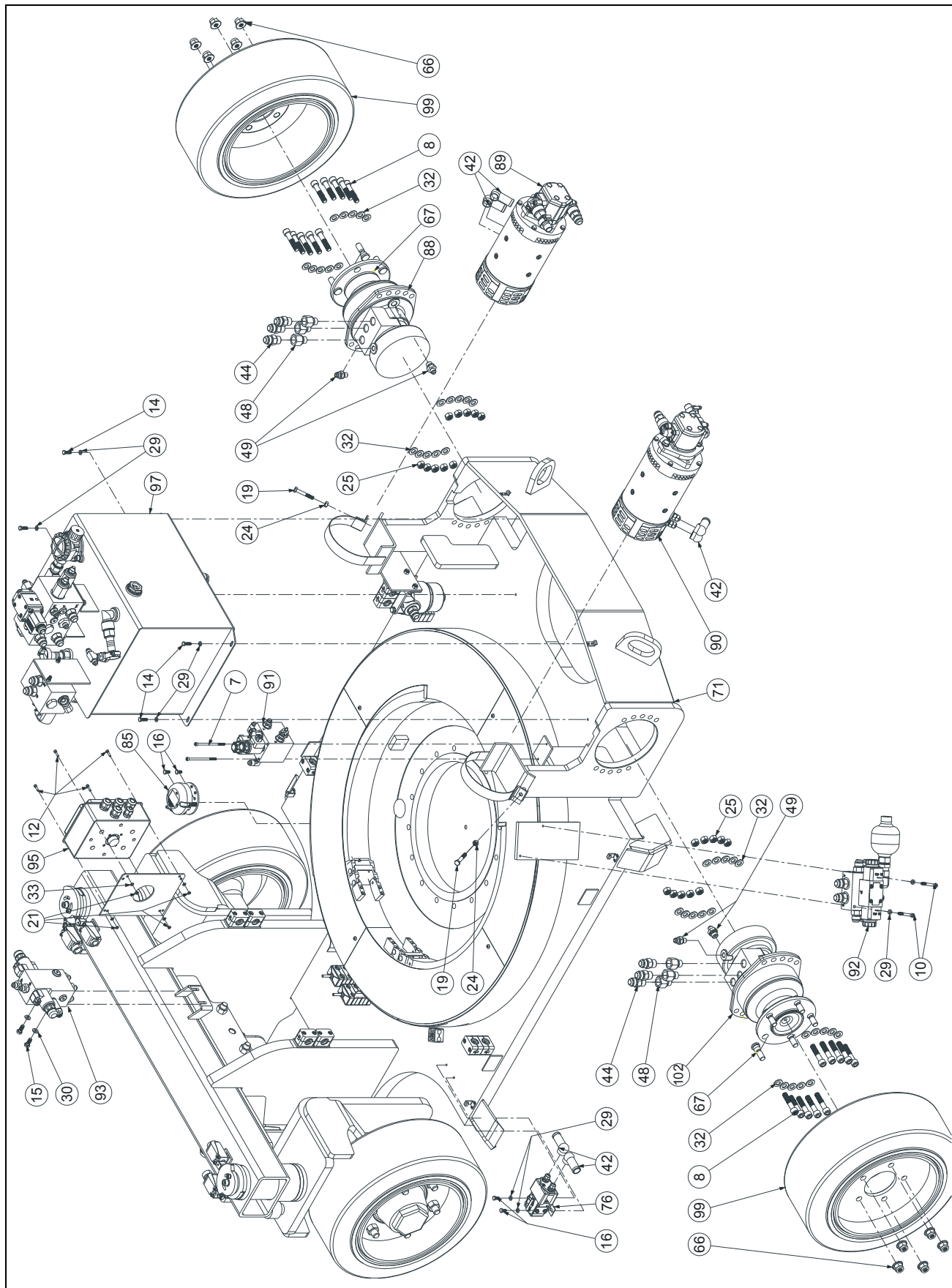
FIGURE 2-4-6. CHASSIS ELECTRICAL CONNECTION BOX / ASSEMBLAGE BOITIER CONNEXION  
CHASSIS (CONTINUED)

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION	REV	INFORMATION

**SECTION 3**  
**CHASSIS ASSEMBLY /**  
**ASSEMBLAGE CHASSIS**

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

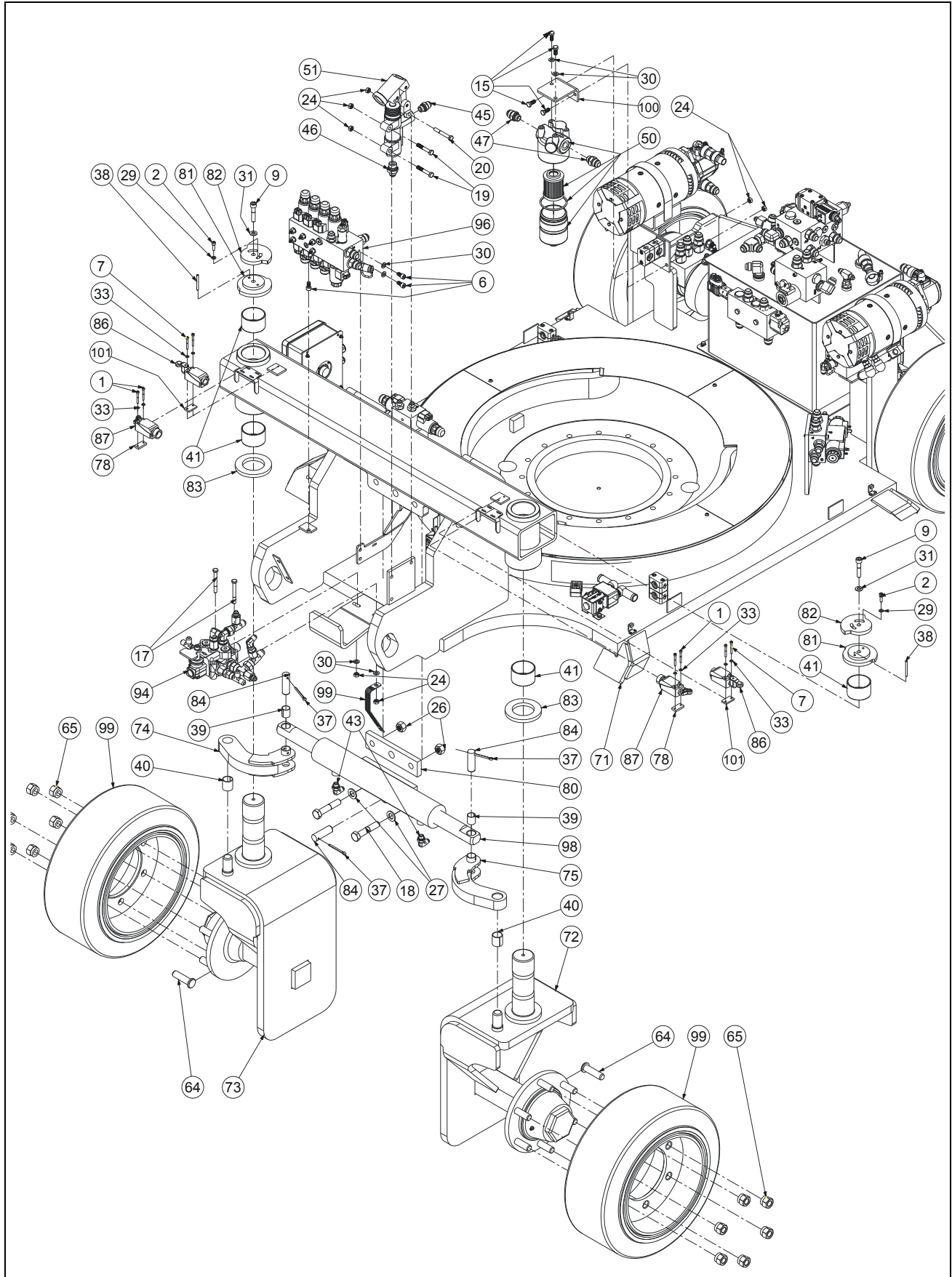
## FIGURE 3-1. CHASSIS INSTALL / INSTALLATION CHASSIS





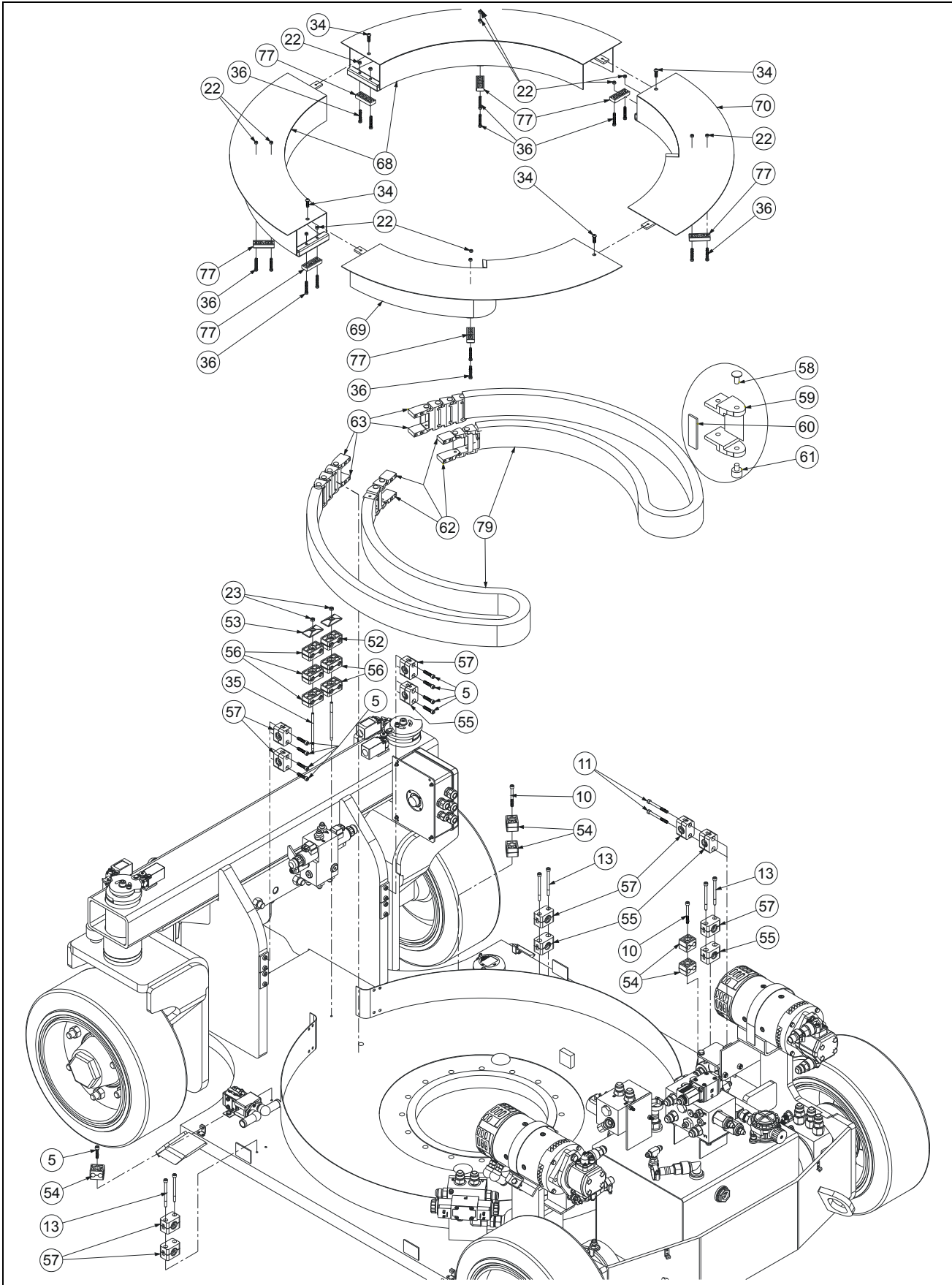
# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1. CHASSIS INSTALL / INSTALLATION CHASSIS



# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1. CHASSIS INSTALL / INSTALLATION CHASSIS



## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1. CHASSIS INSTALL / INSTALLATION CHASSIS**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>FRAME INSTALL</b>	<b>INSTALLATION CHASSIS</b>	<b>E</b>	<b>SP1312</b>
1	000004	4	M04x35 8.8 SOCK. HEAD MACH. SCREW	VIS CHC M04x35 8.8 BI FT		
2	000005	2	M06x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x20 8.8 BI FT		
4	000004	4	TELEMECANIQUE SWITCH M04x35 8.8 SOCK. HEAD MACH. SCREW	CAPTEUR TELEMECANIQUE VIS CHC M04x35 8.8 BI FT	E	
4	000007	4	CROUZET SWITCH M04x30 8.8 SOCKET HEAD CAPSCREW	CAPTEUR CROUZET VIS CHC M04x30 8.8 BI FP	E	
5	000016	9	M06x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x30 8.8 BI FT		
6	000018	3	M08x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x16 8.8 BI FT	C	
7	000072	2	M05x90 8.8 SOCKET HEAD CAPSCREW	VIS CHC M05x90 8.8 BI FP		
8	000074	20	M12x60 10.9 SOCKET HEAD CAPSCREW	VIS CHC M12x60 10.9 BI FP		
9	000075	2	M10x50 8.8 SOCKET HEAD CAPSCREW	VIS CHC M10x50 8.8 BI FP		
10	000076	4	M06x60 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x60 8.8 BI FP		
11	000083	2	M06x65 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x65 8.8 BI FP		
12	000085	4	M04x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M04x16 8.8 BI FT		
13	000087	6	M06x80 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x80 8.8 BI FP		
14	100005	4	M06x20 8.8 HEX HEAD MACHINE SCREW	VIS H M06x20 8.8 BI FT		
15	100019	6	M08x20 8.8 HEX HEAD MACHINE SCREW	VIS H M08x20 8.8 BI FT	C	
16	100027	4	M06x12 8.8 HEX HEAD MACHINE SCREW	VIS H M06x12 8.8 BI FT		
17	100025	2	M08x70 8.8 HEX HEAD CAPSCREW	VIS H M08x70 8.8 BI FP	C	
18	100043	2	M16x80 8.8 HEX HEAD CAPSCREW	VIS H M16x80 8.8 BI FP		
19	100093	4	M08x45 8.8 HEX HEAD MACHINE SCREW	VIS H M08x45 8.8 BI FT	C	
20	100140	1	M08x60 8.8 HEX HEAD CAPSCREW	VIS H M08x60 8.8 BI FP		
21	110001	4	M04 GR. 8.8 LOCK NUT	ECROU FREIN M4 8.8 BI		
22	110002	14	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
23	110003	2	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
24	110004	9	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI	A	
25	110017	20	M12 GR. 10.9 LOCK NUT	ECROU FREIN H M12 10.9 BI		
26	110020	2	M16 GR. 8.8 LOCK NUT	ECROU FREIN M16		
27	120001	2	M16 WASHER	RONDELLE M16 BI		
28			NOT REQUIRED	NON REQUIS	C	
29	120009	10	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		
30	120010	8	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI	C	
31	120011	2	dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		
32	120051	40	dDh 12x20x2 WASHER	RONDELLE dDh 12x20x2 BI	B	
33	120024	12	M04 LOCK WASHER	RONDELLE CONTACT M04 BI	C	
34	130021	4	M06x20 8.8 ROUND HEAD MACH SCREW	VIS BOMBEE ULF M06x20 8.8 BI FT		
35	130043	2	M06x120 GR. 8.8 STUD	GOUJON M06x120 8.8		
36	000030	14	M05x35 8.8 SOCKET HEAD CAPSCREW	VIS CHC M05x35 8.8 ZI FP	C	
37	140009	3	Ø4.5x50 COTTER PIN	GOUPILLE FENDUE Ø4.5x50		
38	140021	2	Ø5x50 LOCK PIN	GOUPILLE ELASTIQUE Ø5x50		
39	150022	2	BUSHING Ø20 H25 DX	BAGUE Ø20 H25 DX		

## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1. CHASSIS INSTALL / INSTALLATION CHASSIS (CONTINUED)**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
40	150023	2	BUSHING Ø25 H30 DX	BAGUE Ø25 H30 DX		
41	150020	4	BUSHING D60 H40	BAGUE D60 H40		
42	250031	6	TERMINAL CAP	CAPUCHON D'ETANCHEITE		
43	300001	2	90° ELBOW MALE BSPP 1/4-MALE JIC 9/16	COUDE 90° Male BSPP 1/4 -Male JIC 9/16		
44	300049	6	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
45	300057	1	FITTING MALE BSPP 3/8 - MALE JIC 3/4	RACCORD MALE BSPP 3/8 - MALE JIC 3/4		
46	300063	1	FITTING MALE BSPP1/2 MALE JIC3/4	RACCORD MALE BSPP1/2 MALE JIC3/4		
47	300110	2	FITTING MALE M18x150-MALE JIC7/8	RACCORD MALE M18x150-MALE JIC3/4		
48	300148	6	FITTING MALE 7/8"-14UNF-FEM BSP 1/2"	RACCORD MALE 7/8"-14UNF-FEM BSP 1/2"		
49	300149	4	FITTING MALE 9/16"-14UNF-MALE 9/16" JIC	RACCORD MALE 9/16"-14UNF-M 9/16" JIC		
50	310064	1	COMPLETE PRESSURE FILTER	FILTRE DE PRESSION COMPLET		
50	930130	1	FILTER CARTRIDGE	CARTOUCHE DE FILTRE		
50	930131	1	O RING AND BACKUP RING	JOINT TORIQUE ET BANDE ANTI-EXTRUSION		
51	320066	1	HAND PUMP	POMPE A MAIN		
52	400011	1	PAIR 1/2 SHELL Ø15-15	PAIRE DEMI COQUILLE Ø15-15		
53	400014	2	PLATE FOR DOUBLE CLAMP T2	PLAQUE SUPPORT COLLIER DOUBLE T2		
54	400018	5	PAIR 1/2 SHELL Ø12-12	PAIRE DEMI COQUILLE Ø12-12		
55	400028	4	PAIR 1/2 SHELL D21	PAIRE DEMI COQUILLE D21		
56	400033	5	PAIR 1/2 SHELL D12.7	PAIRE DEMI COQUILLE D12.7		
57	400056	8	PAIR 1/2 SHELL D23	PAIRE DEMI COQUILLE D23		
58	920045	x	PG305 POWER BRIDGE PIN	AXE CHAINE PORTE-CABLE PG305		
59	920054	x	SLEWING POWER BRIDGE LINK	MAILLON CHAINE PORTE CBL CIRCUL.		
60	920055	x	SLEWING POWER BRIDGE COVER	CAPOT CHAINE PORTE CBL CIRCULAIRE		
61	920056	x	SLEWING POWER BRIDGE PIN	AXE CHAINE PORTE CABLES CIRCULAIRE		
62	920057	1	SLEWING P B MALE ATTACHMENT KIT	KIT ATTACHE MALE C P CBL CIRCULAIRE		
63	920058	1	SLEWING P B FEMALE ATTACHMENT KIT	KIT ATTACHE FEMELLE C P CBL CIRCUL.		
64	920061	12	STUD 18x150 50/40	GOUJON D18x150 50/40		
65	920065	12	M18x150 NUT	ECROU H M18x150		
66	932017	2	5 NUTS KIT (INCLUDED IN MOTOR)	JEU DE 5 ECROUS (inclus dans moteur)		
67	932018	2	5 STUDS KIT (INCLUDED IN MOTOR)	JEU DE 5 GOUJONS (inclus dans moteur)		
68	DL0621	2	SLEWING POWER BRIDGE GUIDE	GUIDE CHAINE CIRCULAIRE		
69	DL0622	1	SLEWING POWER BRIDGE GUIDE	GUIDE CHAINE CIRCULAIRE		
70	DL0623	1	SLEWING POWER BRIDGE GUIDE	GUIDE CHAINE CIRCULAIRE		
71	DL0657	1	FRAME WELDMENT	STRUCTURE DU CHASSIS		
72	DL0658	1	LEFT STEERING KNUCKLE WELDMENT	EQUERRE DE DIRECTION GAUCHE		
73	DL0659	1	RIGHT STEERING KNUCKLE WELDMENT	EQUERRE DE DIRECTION DROITE		
74	DL0660	1	RIGHT STEERING ARM	BIELLETTE DROITE DE DIRECTION		
75	DL0661	1	LEFT STEERING ARM	BIELLETTE GAUCHE DE DIRECTION		
76	SE1003	1	POWER RELAY	RELAIS DE PUISSANCE		

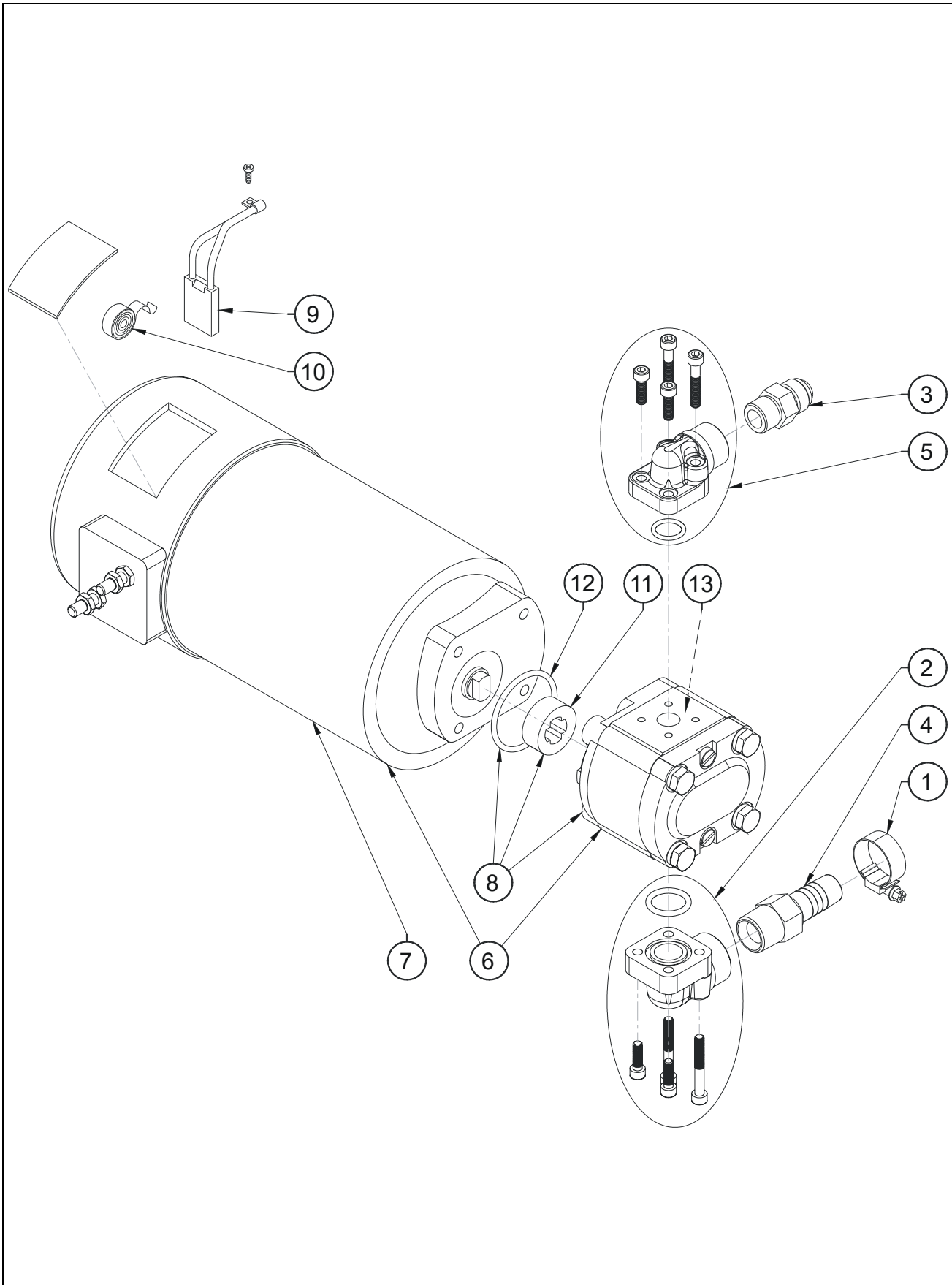
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1. CHASSIS INSTALL / INSTALLATION CHASSIS (CONTINUED)**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
77	ST1777	7	SLIDING BLOC	PATIN DE FROTTEMENT		
78	ST1971	2	STEERING SWITCH PLATE	CONTRE PLAQUE CAPTEUR DIRECTION		
79	ST2446	2	POWER BRIDGE	CHAINE PORTE CABLES		
80	ST2595	1	SPACER	ENTRETOISE		
81	ST2610	2	LOWER STEERING CAM	CAME DE DIRECTION INFERIEURE		
82	ST2611	2	STEERING CAM	CAME DE DIRECTION		
83	US0180	2	THRUST WASHER	RONDELLE D'USURE		
84	US0464	3	STEERING CYLINDER PIN	AXE VERIN DE DIRECTION		
85	260319	1	2° TILT SENSOR	DETECTEUR DE DEVERS 2°	D	
86	260001	2	CROUZET - NO/NC SWITCH PG13	CROUZET - CAPTEUR NO/NF PE13	D	
86	260323	2	TELEMECANIQUE - NO/NC SWITCH PG11	TELEMECANIQUE - CAPTEUR NO/NF PE11	E	
87	260328	2	NO/NC SWITCH PG13	CAPTEUR NO/NF PE13	E	
88	320058	1	RIGHT DRIVE MOTOR MSE03 500/250	MOTEUR ROUE DROITE MSE03 500/250	E	
89		1	S/N PRIOR #13110 - 8cc/rev POWER UNIT ASSEMBLY	ASSEMBLAGE CENTRALE 8cm <sup>3</sup> /tr AVANT N°13110	D	SP0722
89		1	S/N SINCE #13110 - 5.2cc POWER UNIT ASSEMBLY	ASSEMBLAGE CENTRALE 5.2 cm <sup>3</sup> /tr DEPUIS N°13110	B	SP0826
90		1	S/N PRIOR #13110 - 5.5cc/rev POWER UNIT ASSEMBLY	ASSEMBLAGE CENTRALE 5.5cm <sup>3</sup> /tr AVANT N°13110	D	SP0723
90		1	S/N SINCE #13110 - 3.5cc POWER UNIT ASSEMBLY	ASSEMBLAGE CENTRALE 3.5 cm <sup>3</sup> /tr DEPUIS N°13110	B	SP0827
91	SE0748	1	BRAKE MANIFOLD ASSEMBLY	ASSEMBLAGE BLOC FREINAGE		SE0748
92		1	DRIVE MANIFOLD INSTALL	INSTALLATION BLOC TRANSLATION		SP1206
93	SE0527	1	STEERING MANIFOLD ASSEMBLY	ASSEMBLAGE BLOC DIRECTION		SE0527
94		1	S/N PRIOR #13164 - RELEASE VALVE ASSEMBLY	ASSEMBLAGE DISTRIBUTEUR DEBRAYAGE AVANT N°13164		SP1301
94	SE0741	1	S/N SINCE #13164 RELEASE VALVE ASSEMBLY	ASSEMBLAGE DISTRIBUTEUR DEBRAYAGE DEPUIS N°13164	D	SE0741
95	SE0574	1	S/N PRIOR #13122 CHASSIS CONNECTION BOX	BOITIER CONNEXIONS CHASSIS AVANT N°13122	D	SE0574
95	SE0631	1	S/N SINCE #13122 CHASSIS CONNECTION BOX	ASSEMB. BOITIER CONNEXIONS CHASSIS DEPUIS N°13122	D	SE0631
96	SE0570	1	FUNCTIONS MANIFOLD ASSEMBLY	ASSEMBLAGE BLOC FONCTIONS	D	SE0570
97		1	RESERVOIR ASSEMBLY	ASSEMBLAGE RESERVOIR		SP1313
98		1	STEERING CYLINDER	VERIN DE DIRECTION		APPENDIX A
99		1	WHEEL ASSEMBLY	ASSEMBLAGE ROUES		APPENDIX B
100	ST2734	1	FILTER BRACKET	EQUERRE FILTRE	A	
101	ST3139	2	FOR TELEMECANIQUE SWITCH ONLY - SWITCH SPACER	POUR CAPTEUR TELEMECANIQUE SEULEMENT - ENTRETOISE CAPTEUR	E	
102	320059	1	LEFT DRIVE MOTOR MSE03 500/250	MOTEUR ROUE GAUCHE MSE03 500/250	E	

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1-1. 8cc POWER UNIT ASSEMBLY / ASSEMBLAGE CENTRALE 8cm<sup>3</sup>/tr



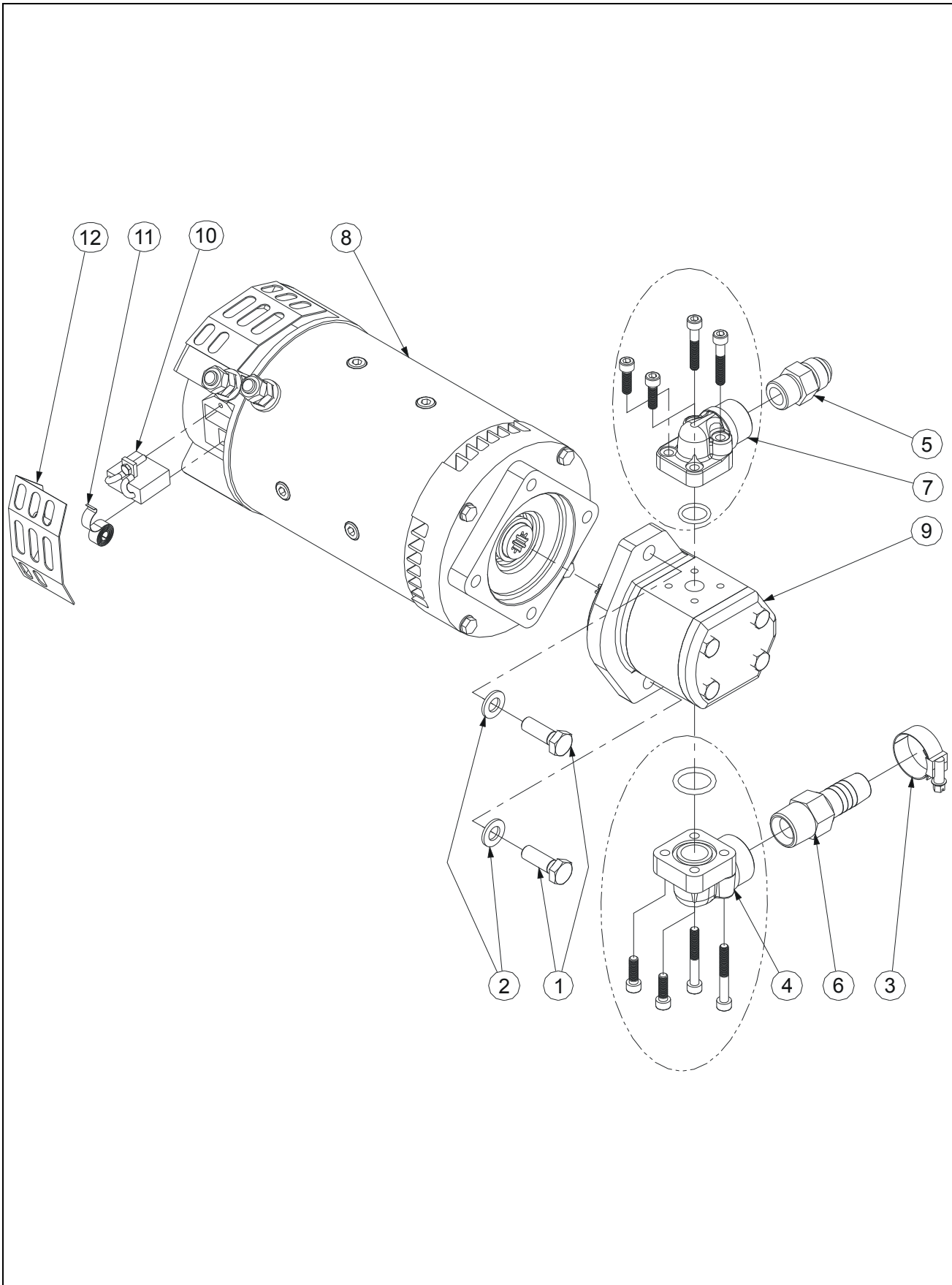
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-1. 8CC POWER UNIT ASSEMBLY / ASSEMBLAGE CENTRALE 8CM<sup>3</sup>/TR**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>8cc/rev POWER UNIT ASSEMBLY</b>	<b>ASSEMBLAGE CENTRALE 8cm<sup>3</sup>/tr</b>	<b>A</b>	<b>SP0722</b>
1	190073	1	CLAMP Ø25-40	COLLIER Ø25-40		
2	300046	1	PUMP FLANGE Ø40 BSPP 3/4	BRIDE POMPE Ø40 BSPP 3/4		
3	300049	1	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
4	300078	1	FITTING Male BSPP3/4-Male Ø19 GROOVE	RACCORD Male BSPP3/4-Ø19 CANNELE		
5	300109	1	PUMP FLANGE Ø35 BSPP 1/2	BRIDE POMPE Ø35 BSPP 1/2		
6	520013	1	8cc/rev POWER UNIT	CENTRALE 8cm <sup>3</sup> /tr		
7	940013	1	DC MOTOR	MOTEUR A COURANT CONTINU	A	
8	900060	1	8 cc/rev PUMP	POMPE 8 cm <sup>3</sup> /tr	A	
9	900005	1	BRUSH KIT (QUANTITY : 4)	JEU DE 4 BALAIS	A	
10	940032	1	SPRING KIT (QUANTITY : 4)	JEU DE 4 RESSORTS	A	
11	940010	1	COUPLING	ACCOUPEMENT DE POMPE	A	
12	900045	1	O-RING	JOINT TORIQUE CENTRAL POMPE	A	
13	900021	1	SEAL KIT	KIT DE JOINTS	A	

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1-2. 5.2cc POWER UNIT ASSEMBLY / ASSEMBLAGE CENTRALE 5.2cm<sup>3</sup>/tr





## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-2. 5.2CC POWER UNIT ASSEMBLY / ASSEMBLAGE CENTRALE 5.2CM<sup>3</sup>/TR**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>5.2CC POWER UNIT ASSEMBLY</b>	<b>ASSEMBLAGE CENTRALE 5.2 CM<sup>3</sup>/TR</b>		<b>SP0826</b>
1	100009	2	M10x30 8.8 HEX HEAD MACHINE SCREW	VIS H M10x30 8.8 BI FT		
2	120011	2	dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		
3	190073	1	CLAMP Ø25-40	COLLIER Ø25-40		
4	300046	1	PUMP FLANGE Ø40 BSPP 3/4	BRIDE POMPE Ø40 BSPP 3/4		
5	300049	1	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
6	300078	1	FITTING Male BSPP3/4-Male Ø19 GROOVE	RACCORD Male BSPP3/4-Ø19 CANNELE		
7	300109	1	PUMP FLANGE Ø35 BSPP 1/2	BRIDE POMPE Ø35 BSPP 1/2		
8	510070	1	POWER UNIT MOTOR	MOTEUR POUR CENTRALE		
9	520093	1	5.2cc/rev PUMP	POMPE 5.2cm <sup>3</sup> /tr		
10	951015	4	BRUSH	BALAIS		
11	951016	4	SPRING BRUSH	RESSORT DE BALAIS		
12	951017	4	BRUSH COVER	CAPOT BALAIS		



## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-3. 5.5CC POWER UNIT ASSEMBLY / ASSEMBLAGE CENTRALE 5.5CM<sup>3</sup>/TR**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>5.5cc/rev POWER UNIT ASSEMBLY</b>	<b>ASSEMBLAGE CENTRALE 5.5cm<sup>3</sup>/tr</b>	<b>A</b>	<b>SP0723</b>
1	190073	1	CLAMP Ø25-40	COLLIER Ø25-40		
2	300046	1	PUMP FLANGE Ø40 BSPP 3/4	BRIDE POMPE Ø40 BSPP 3/4		
3	300049	1	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
4	300078	1	FITTING Male BSPP3/4-Male Ø19 GROOVE	RACCORD Male BSPP3/4-Ø19 CANNELE		
5	300109	1	PUMP FLANGE Ø35 BSPP 1/2	BRIDE POMPE Ø35 BSPP 1/2		
6	520014	1	5.5cc/rev POWER UNIT	CENTRALE 5.5cm <sup>3</sup> /tr		
7	940013	1	DC MOTOR	MOTEUR A COURANT CONTINU	A	
8	900058	1	5.5 cc/rev PUMP	POMPE 5.5 cm <sup>3</sup> /tr	A	
9	900005	1	BRUSH KIT (QUANTITY : 4)	JEU DE 4 BALAIS	A	
10	940032	1	SPRING KIT (QUANTITY : 4)	JEU DE 4 RESSORTS	A	
11	940010	1	COUPLING	ACCOUPLLEMENT DE POMPE	A	
12	900045	1	O-RING	JOINT TORIQUE CENTRAL POMPE	A	
13	900021	1	SEAL KIT	KIT DE JOINTS	A	



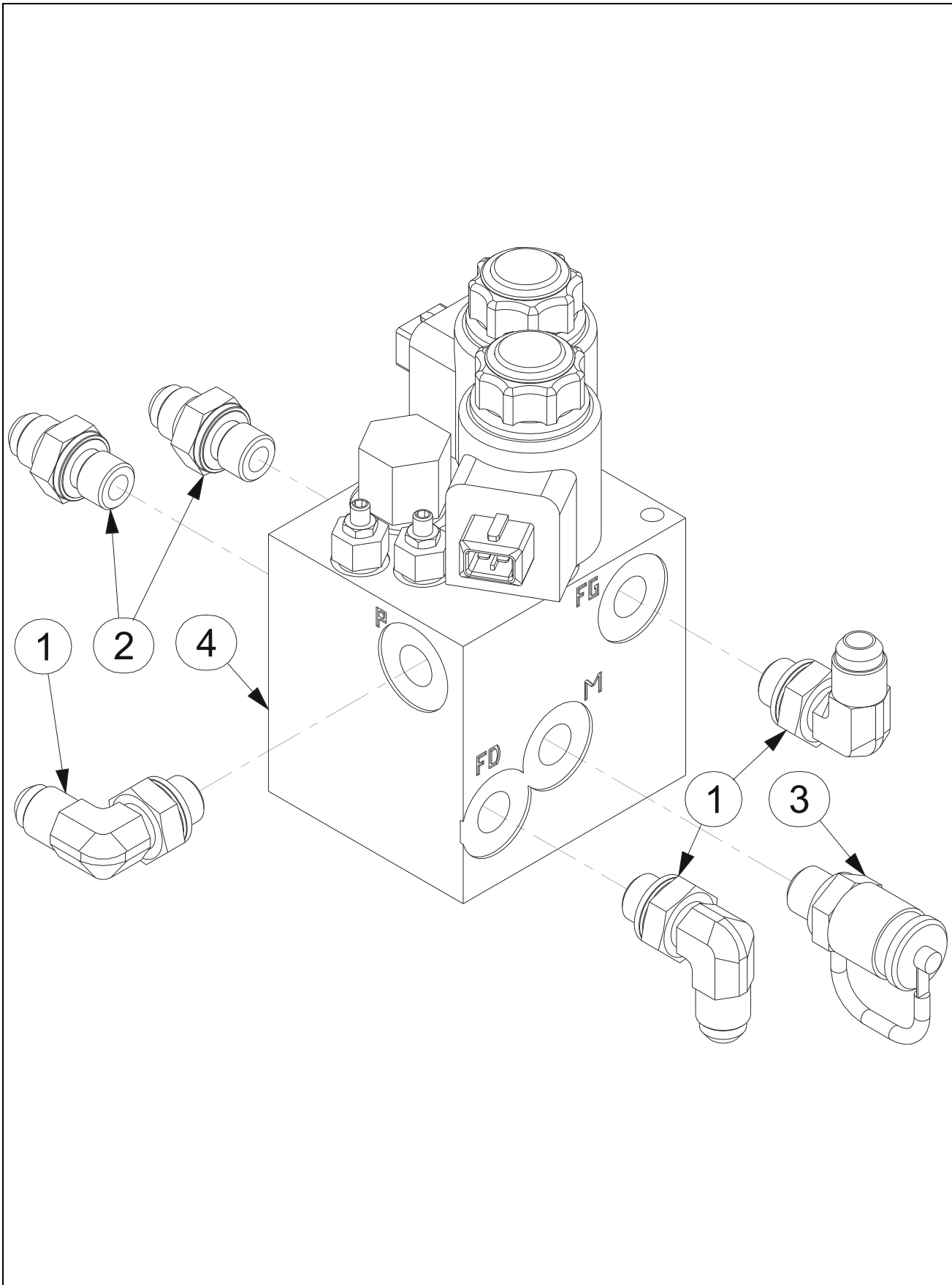
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-4. 3.5CC POWER UNIT ASSEMBLY / ASSEMBLAGE CENTRALE 3.5CM<sup>3</sup>/TR**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>3.5CC POWER UNIT ASSEMBLY</b>	<b>ASSEMBLAGE CENTRALE 3.5 CM<sup>3</sup>/TR</b>		<b>SP0827</b>
1	100009	2	M10x30 8.8 HEX HEAD MACHINE SCREW	VIS H M10x30 8.8 BI FT		
2	120011	2	dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		
3	190073	1	CLAMP Ø25-40	COLLIER Ø25-40		
4	300046	1	PUMP FLANGE Ø40 BSPP 3/4	BRIDE POMPE Ø40 BSPP 3/4		
5	300049	1	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
6	300078	1	FITTING Male BSPP3/4-Male Ø19 GROOVE	RACCORD Male BSPP3/4-Ø19 CANNELE		
7	300109	1	PUMP FLANGE Ø35 BSPP 1/2	BRIDE POMPE Ø35 BSPP 1/2		
8	510070	1	POWER UNIT MOTOR	MOTEUR POUR CENTRALE		
9	520092	1	3.5cc/rev PUMP	POMPE 3.5cm <sup>3</sup> /tr		
10	951015	4	BRUSH	BALAIS		
11	951016	4	SPRING BRUSH	RESSORT DE BALAIS		
12	951017	4	BRUSH COVER	CAPOT BALAIS		

**SECTION 3 CHASSIS ASSEMBLY /  
ASSEMBLAGE CHASSIS**

**FIGURE 3-1-5. BRAKE MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC DE FREINAGE**



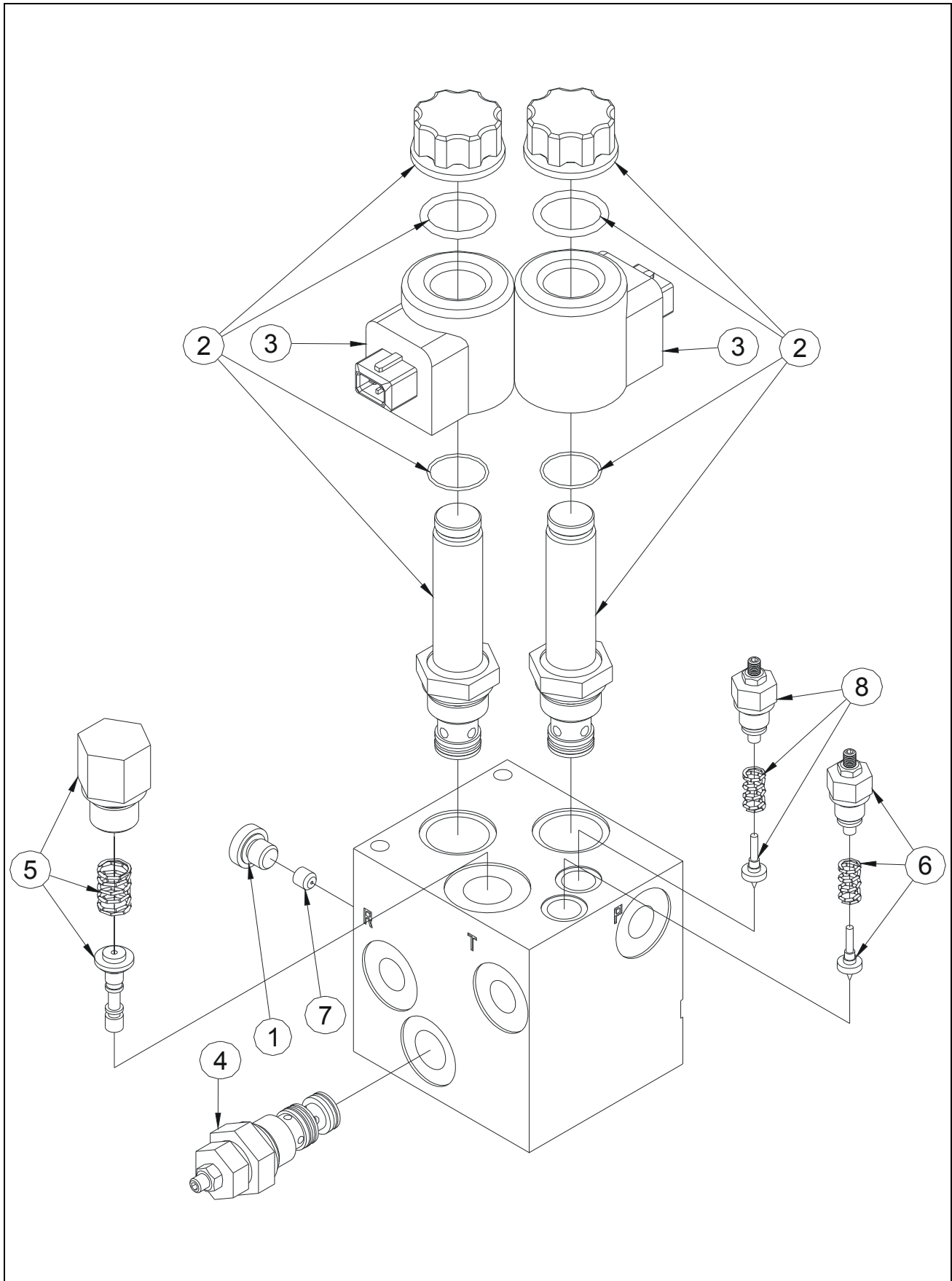
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-5. BRAKE MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC DE FREINAGE**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0748</b>		<b>BRAKE MANIFOLD ASSEMBLY</b>	<b>ASSEMBLAGE BLOC FREINAGE</b>		<b>SE0748</b>
1	300001	3	90° ELBOW MALE BSPP 1/4-MALE JIC 9/ 16	COUDE 90° Male BSPP 1/4 -Male JIC 9/16		
2	300025	2	FITTING MALE BSPP1/4-MALE JIC9/16	RACCORD MALE BSPP1/4-MALE JIC9/16		
3	300101	1	PRESSURE TEST PLUG BSPP1/4	PRISE DE PRESSION BSPP1/4		
4	520090	1	BRAKE MANIFOLD	BLOC FREINAGE		520090

**SECTION 3 CHASSIS ASSEMBLY /  
ASSEMBLAGE CHASSIS**

**FIGURE 3-1-5-1.BRAKE MANIFOLD / BLOC DE FREINAGE**





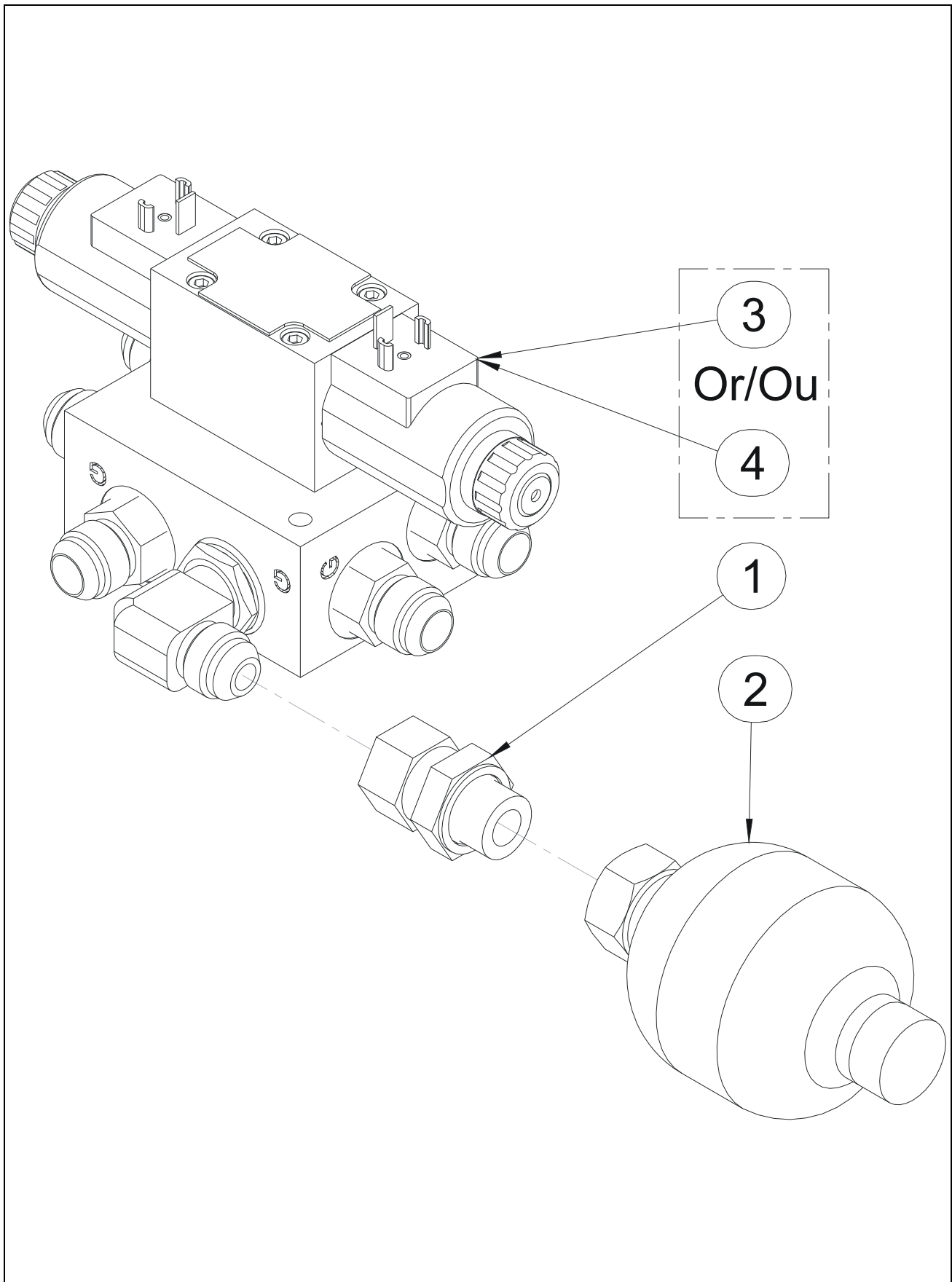
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-5-1. BRAKE MANIFOLD / BLOC DE FREINAGE**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION	REV	INFORMATION
	<b>520090</b>		<b>BRAKE MANIFOLD</b>		<b>520090</b>
1	300163	1	PLUG BSPP 1/8	A	
2	952017	2	2/2 CONTROL VALVE WITH CHECK VALVE		
3	952018	2	24 VDC COIL		
4	952019	1	HYDRAULICALLY PILOTED VALVE		
5	952020	1	PRESSURE REDUCER KIT		
6	952024	1	PRESSURE RELIEF VALVE 0-50 BAR		
7	952025	1	Ø 0.5 JET		
8	952028	1	PRESSURE RELIEF VALVE 0 - 250 BAR		
			<b>BLOC FREINAGE</b>		
			BOUCHON BSPP 1/8		
			DISTRIBUTEUR A CLAPET 2/2		
			BOBINE 24V		
			VALVE A PILOTAGE HYDRAULIQUE		
			KIT REDUCTEUR DE PRESSION		
			REGULATEUR DE PRESSION 0-50 BAR		
			GICLEUR Ø 0.5		
			LIMITEUR DE PRESSION 0 - 250 BAR		

**SECTION 3 CHASSIS ASSEMBLY /  
ASSEMBLAGE CHASSIS**

**FIGURE 3-1-6. DRIVE MANIFOLD INSTALL / INSTALLATION BLOC TRANSLATION**



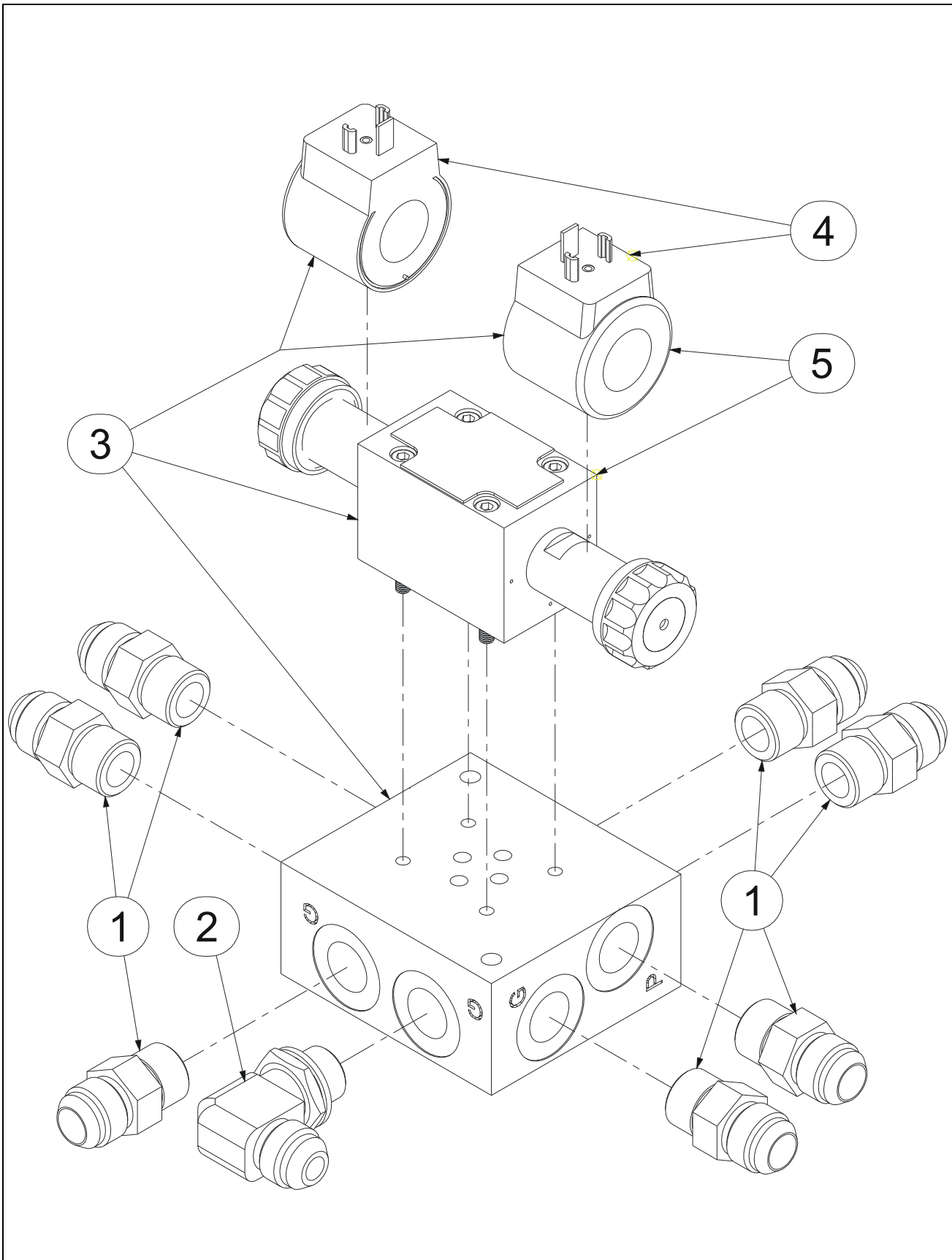
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-6. DRIVE MANIFOLD INSTALL / INSTALLATION BLOC TRANSLATION**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>DRIVE MANIFOLD INSTALL</b>	<b>INSTALLATION BLOC TRANSLATION</b>	<b>B</b>	<b>SP1206</b>
1	300071	1	FITTING Male BSPP1/2-Fem SWIVEL JIC7/ 8	RACCORD M BSPP1/2-F JIC7/8 Ecrou Tour		
2	500031	1	ACCUMULATOR	ACCUMULATEUR		
3	SE0524	1	DRIVE MANIFOLD ASSEMBLY	ASSEMBLAGE BLOC TRANSLATION		SE0524
4	SE0791	1	DRIVE MANIFOLD ASSEMBLY	ASSEMBLAGE BLOC TRANSLATION		SE0791

**SECTION 3 CHASSIS ASSEMBLY /  
ASSEMBLAGE CHASSIS**

**FIGURE 3-1-6-1.DRIVE MANIFOLD ASSEMBLY /  
ASSEMBLAGE BLOC TRANSLATION**



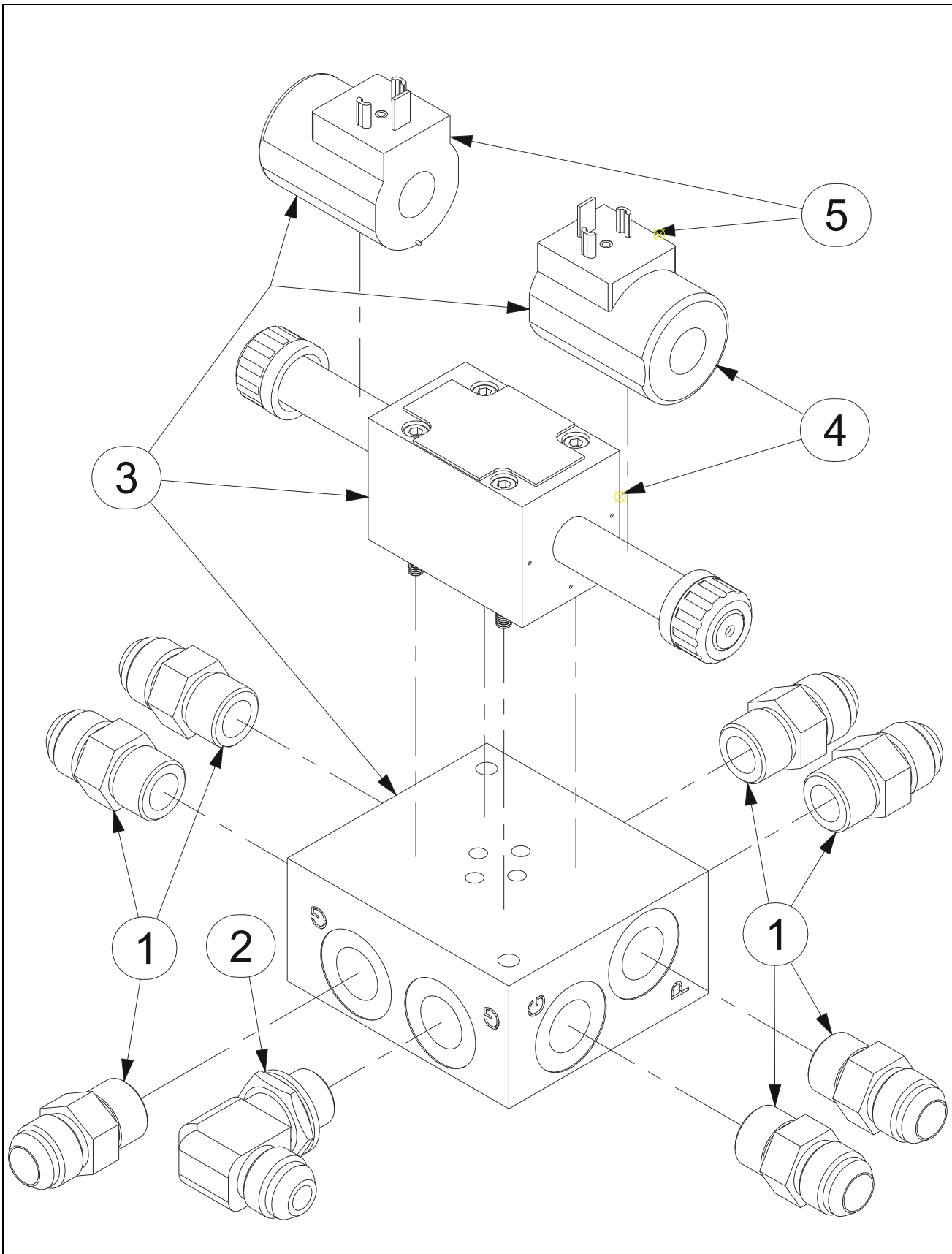
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-6-1. DRIVE MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC TRANSLATION**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0524</b>		<b>DRIVE MANIFOLD ASSEMBLY</b>	<b>ASSEMBLAGE BLOC TRANSLATION</b>		<b>SE0524</b>
1	300049	7	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
2	300106	1	90° ELBOW MALE BSPP1/2 MALE JIC7/8	COUDE MALE BSPP1/2 MALE JIC7/8		
3	520080	1	DRIVE MANIFOLD	BLOC DE TRANSLATION		
4	952068	2	24VDC COIL	BOBINE 24VDC		
5	952069	1	4/2 VALVE	DISTRIBUTEUR 4/2		

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1-6-2.DRIVE MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC TRANSLATION



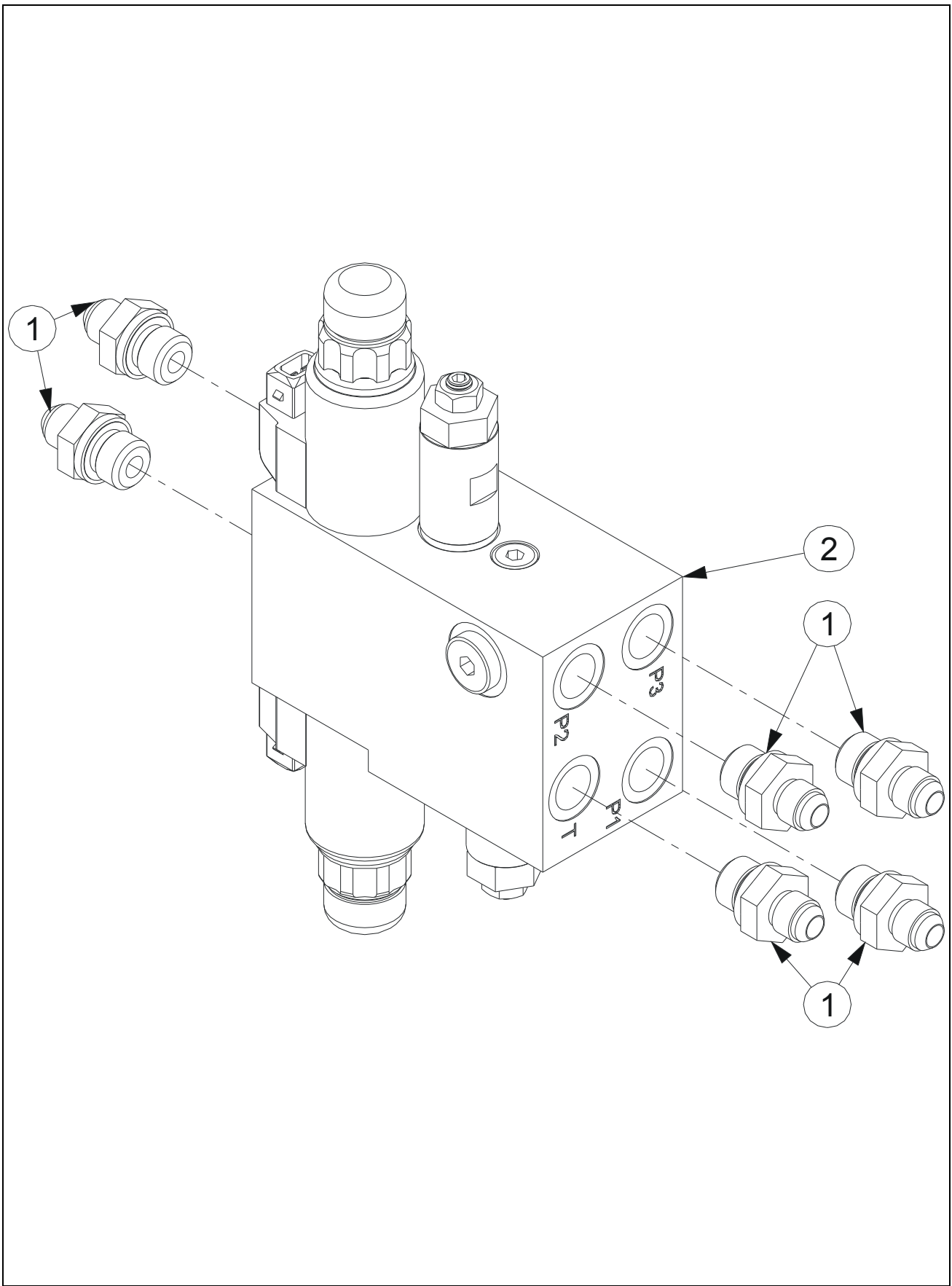
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-6-2. DRIVE MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC TRANSLATION**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0791</b>		<b>DRIVE MANIFOLD ASSEMBLY</b>	<b>ASSEMBLAGE BLOC TRANSLATION</b>		<b>SE0791</b>
1	300049	7	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
2	300106	1	90° ELBOW MALE BSPP1/2 MALE JIC7/8	COUDE MALE BSPP1/2 MALE JIC7/8		
3	520113	1	DRIVE MANIFOLD	BLOC DE TRANSLATION		
4	952092	1	4/2 VALVE	DISTRIBUTEUR 4/2		
5	952093	2	24VDC COIL	BOBINE 24VDC		

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1-7. STEERING MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC DIRECTION





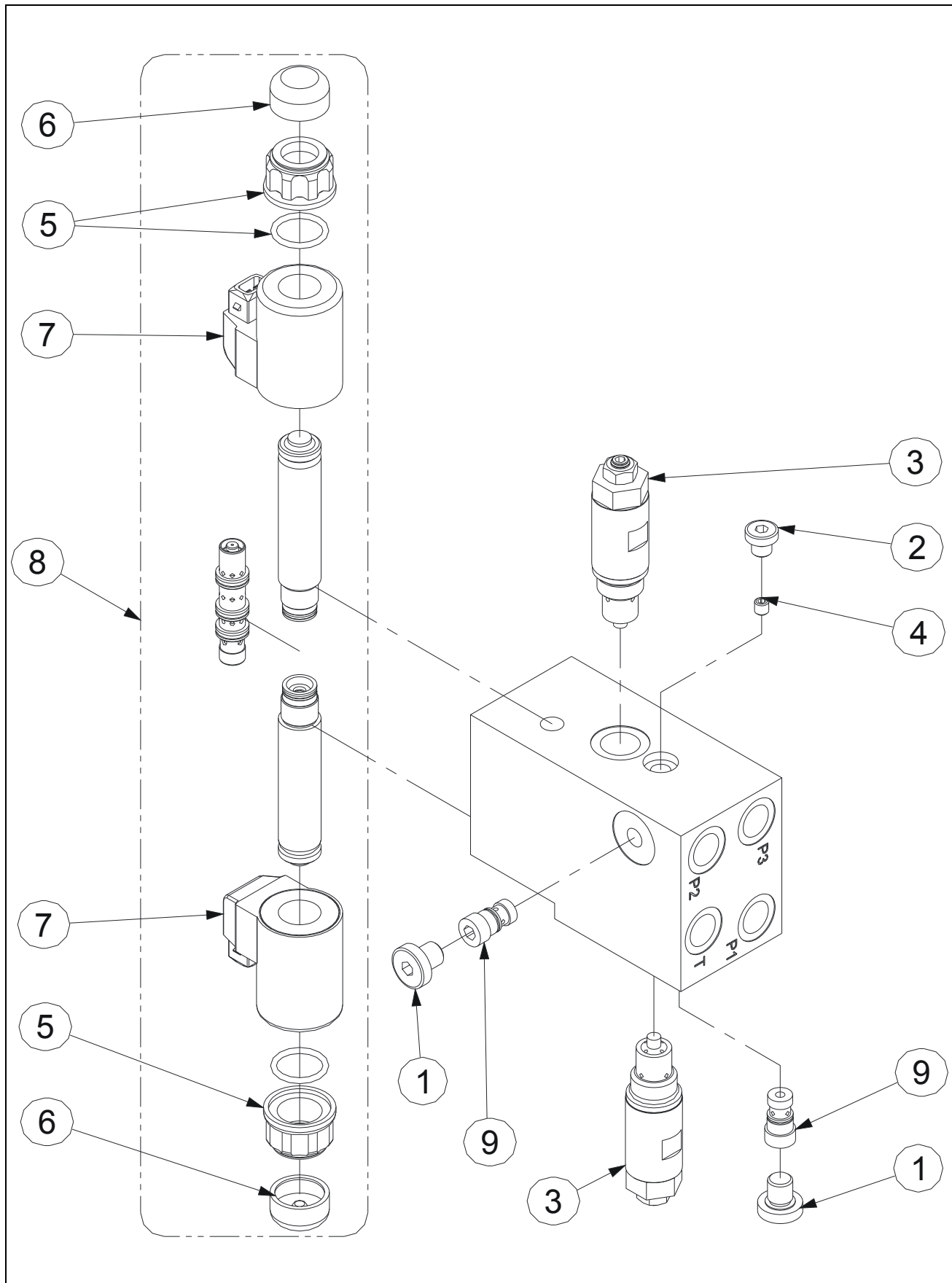
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-7. STEERING MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC DIRECTION**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0527</b>		<b>STEERING MANIFOLD ASSEMBLY</b>	<b>ASSEMBLAGE BLOC DIRECTION</b>		<b>SE0527</b>
1	300040	6	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
2	520081	1	STEERING MANIFOLD	BLOC DE DIRECTION		520081

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

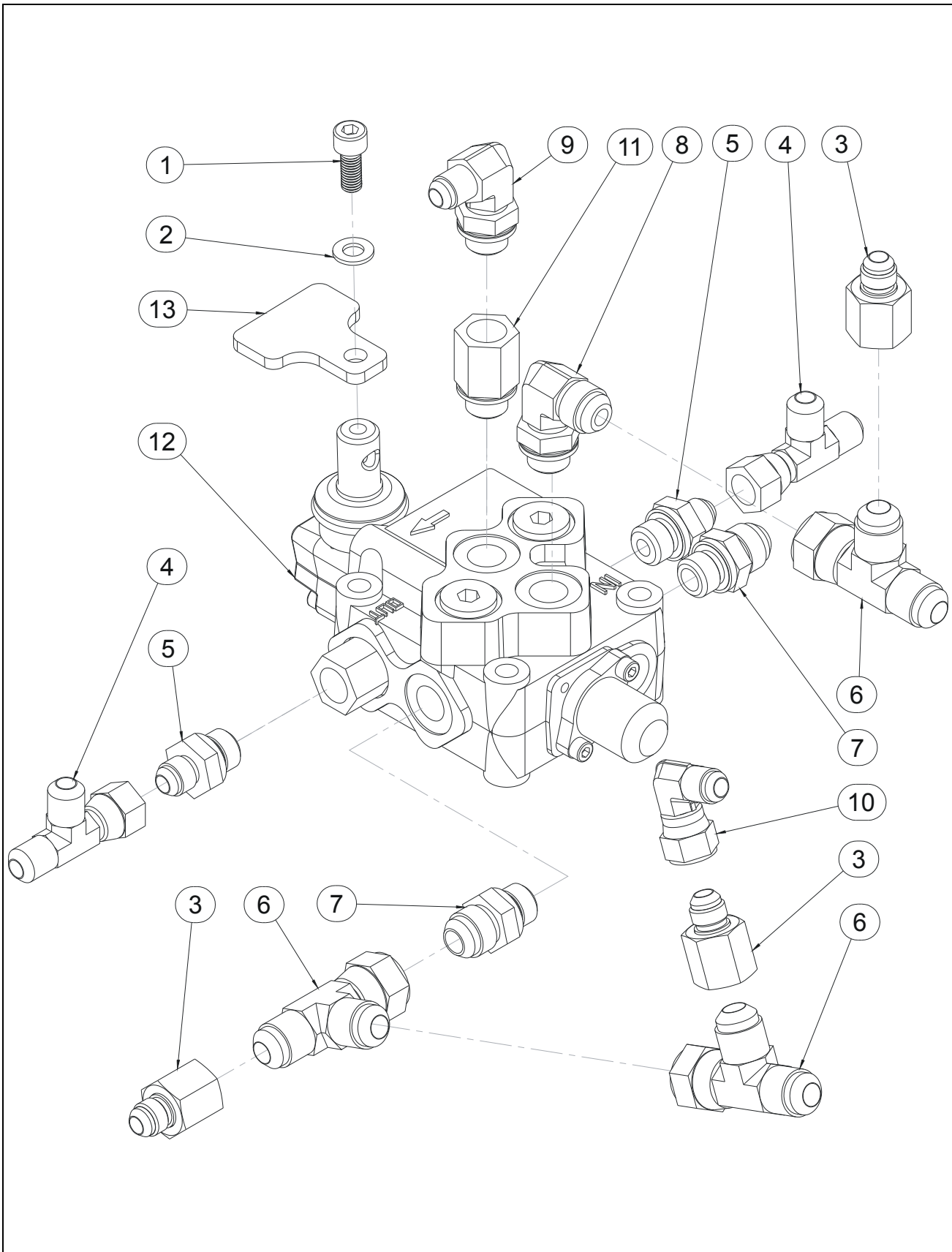
## FIGURE 3-1-7-1. STEERING MANIFOLD / BLOC DE DIRECTION





# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1-8. S/N PRIOR/AVANT #13164 RELEASE VALVE ASSEMBLY / ASSEMBLAGE DISTRIBUTEUR DE DEBRAYAGE



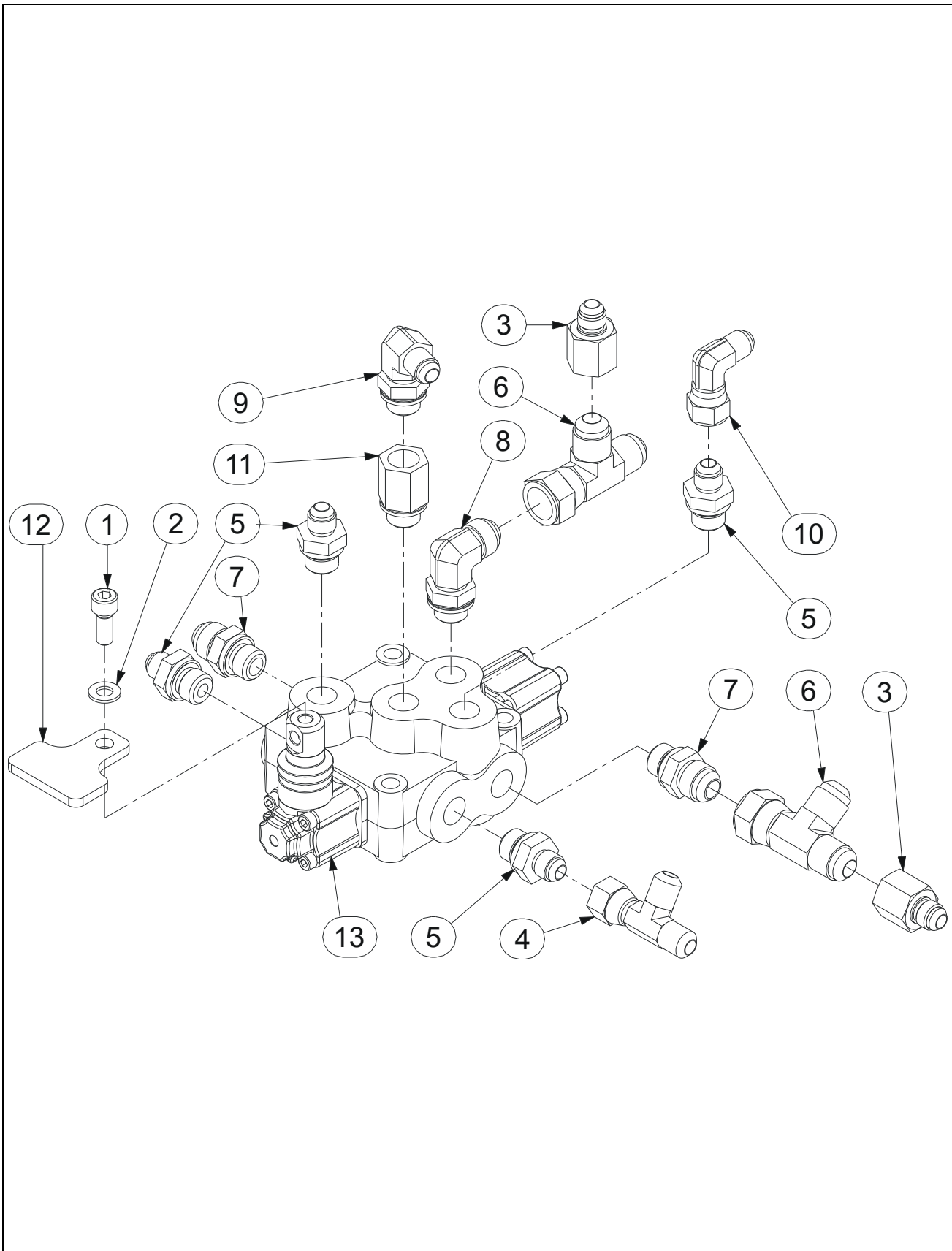
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-8. S/N PRIOR/AVANT #13164 RELEASE VALVE ASSEMBLY / ASSEMBLAGE  
DISTRIBUTEUR DE DEBRAYAGE**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>RELEASE VALVE ASSEMBLY</b>	<b>ASSEMBLAGE DISTRIBUTEUR DEBRAYAGE</b>	<b>B</b>	<b>SP1301</b>
1	000006	1	M08x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x20 8.8 BI FT		
2	120010	1	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI		
3	300024	3	ADAPTER FEMALE JIC3/4-MALE JIC9/16	REDUCT. FEMELLE JIC3/4-MALE JIC9/16		
4	300037	2	RUN TEE JIC 9/16 SWIVEL NUT	TE MALE JIC9/16-FEMELLE JIC9/16 TOUR.		
5	300040	2	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
6	300056	3	RUN TEE JIC 3/4 SWIVEL NUT	TE Male JIC3/4-Fem JIC3/4 TOUR. LAT.		
7	300057	2	FITTING MALE BSPP 3/8 - MALE JIC 3/4	RACCORD MALE BSPP 3/8 - MALE JIC 3/4		
8	300058	1	90° ELBOW MALE BSPP 3/8 - MALE JIC 3/4	COUDE MALE BSPP 3/8 - MALE JIC 3/4		
9	300061	1	90° ELBOW MALE BSPP 3/8-MALE JIC 9/16	COUDE 90° MALE BSPP3/8-MALE JIC9/16		
10	300067	1	90° ELBOW M JIC9/16 F JIC9/16 SWIVEL	COUDE Male JIC9/16 Fem JIC9/16 Tour- nant		
11	310068	1	Ø3.2 JET	GICLEUR Ø3.2		
12	320065	1	RELEASE VALVE	DISTRIBUTEUR DE DEBRAYAGE	<b>B</b>	
13	ST2616	1	HAND LEVER	LEVIER		

**SECTION 3 CHASSIS ASSEMBLY /  
ASSEMBLAGE CHASSIS**

**FIGURE 3-1-9. S/N SINCE/DEPUIS #13164 RELEASE VALVE ASSEMBLY /  
ASSEMBLAGE DISTRIBUTEUR DE DEBRAYAGE**



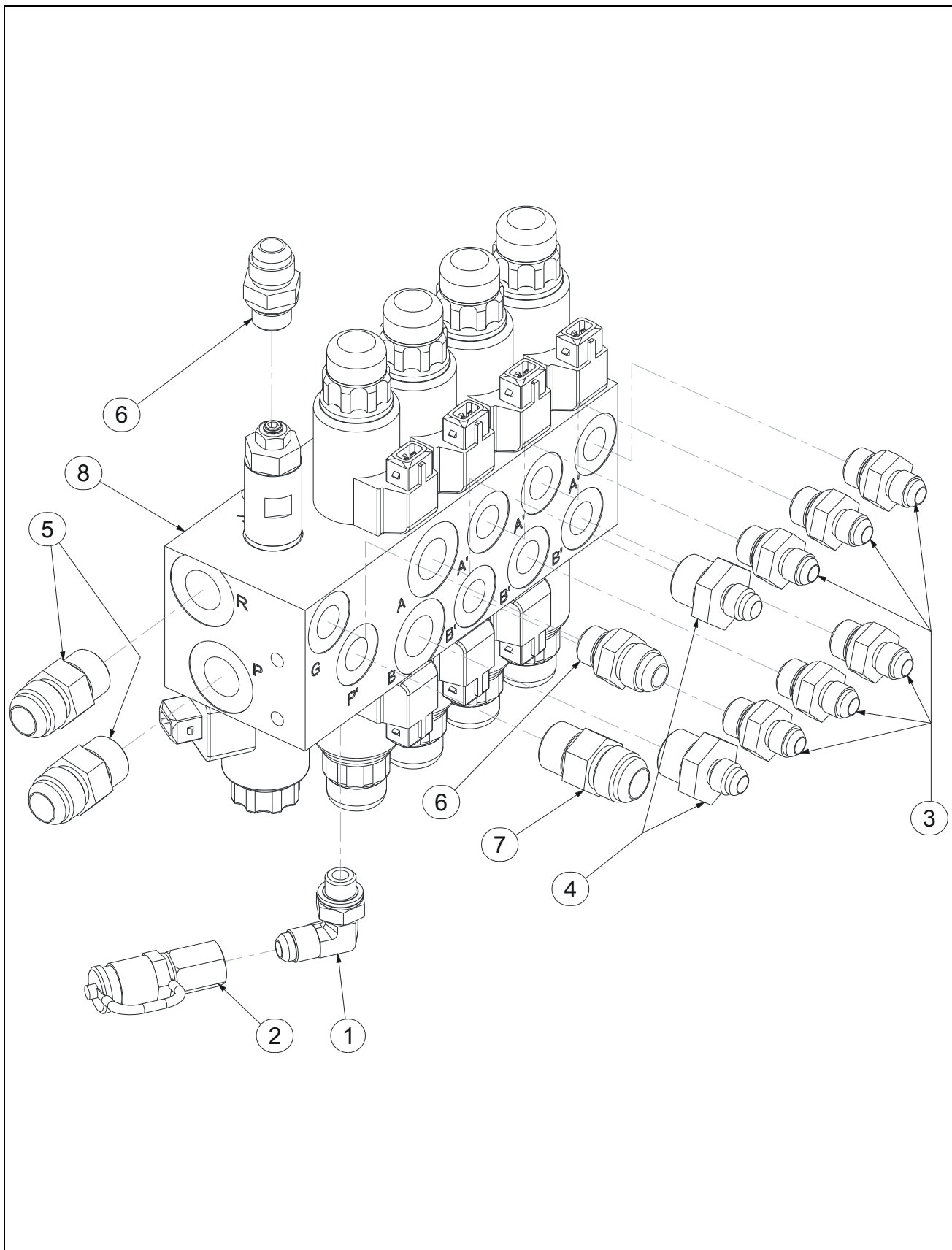
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-9. S/N SINCE/DEPUIS #13164 RELEASE VALVE ASSEMBLY / ASSEMBLAGE  
DISTRIBUTEUR DE DEBRAYAGE**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0741</b>		<b>RELEASE VALVE ASSEMBLY</b>	<b>ASSEMBLAGE DISTRIBUTEUR DEBRAYAGE</b>		<b>SE0741</b>
1	000006	1	M08x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x20 8.8 BI FT		
2	120010	1	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI		
3	300024	2	ADAPTER FEMALE JIC3/4-MALE JIC9/16	REDUCT. FEMELLE JIC3/4-MALE JIC9/16		
4	300037	1	RUN TEE JIC 9/16 SWIVEL NUT	TE MALE JIC9/16-FEMELLE JIC9/16 TOUR.		
5	300040	4	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
6	300056	2	RUN TEE JIC 3/4 SWIVEL NUT	TE Male JIC3/4-Fem JIC3/4 TOUR. LAT.		
7	300057	2	FITTING MALE BSPP 3/8 - MALE JIC 3/4	RACCORD MALE BSPP 3/8 - MALE JIC 3/4		
8	300058	1	90° ELBOW MALE BSPP 3/8 - MALE JIC 3/4	COUDE MALE BSPP 3/8 - MALE JIC 3/4		
9	300061	1	90° ELBOW MALE BSPP 3/8-MALE JIC 9/16	COUDE 90° MALE BSPP3/8-MALE JIC9/16		
10	300067	1	90° ELBOW M JIC9/16 F JIC9/16 SWIVEL	COUDE Male JIC9/16 Fem JIC9/16 Tour- nant		
11	310068	1	Ø3.2 JET	GICLEUR Ø3.2		
12	ST2616	1	HAND LEVER	LEVIER		
13	320065	1	RELEASE VALVE	DISTRIBUTEUR DE DEBRAYAGE		

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1-10. FUNCTIONS MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC FONCTIONS





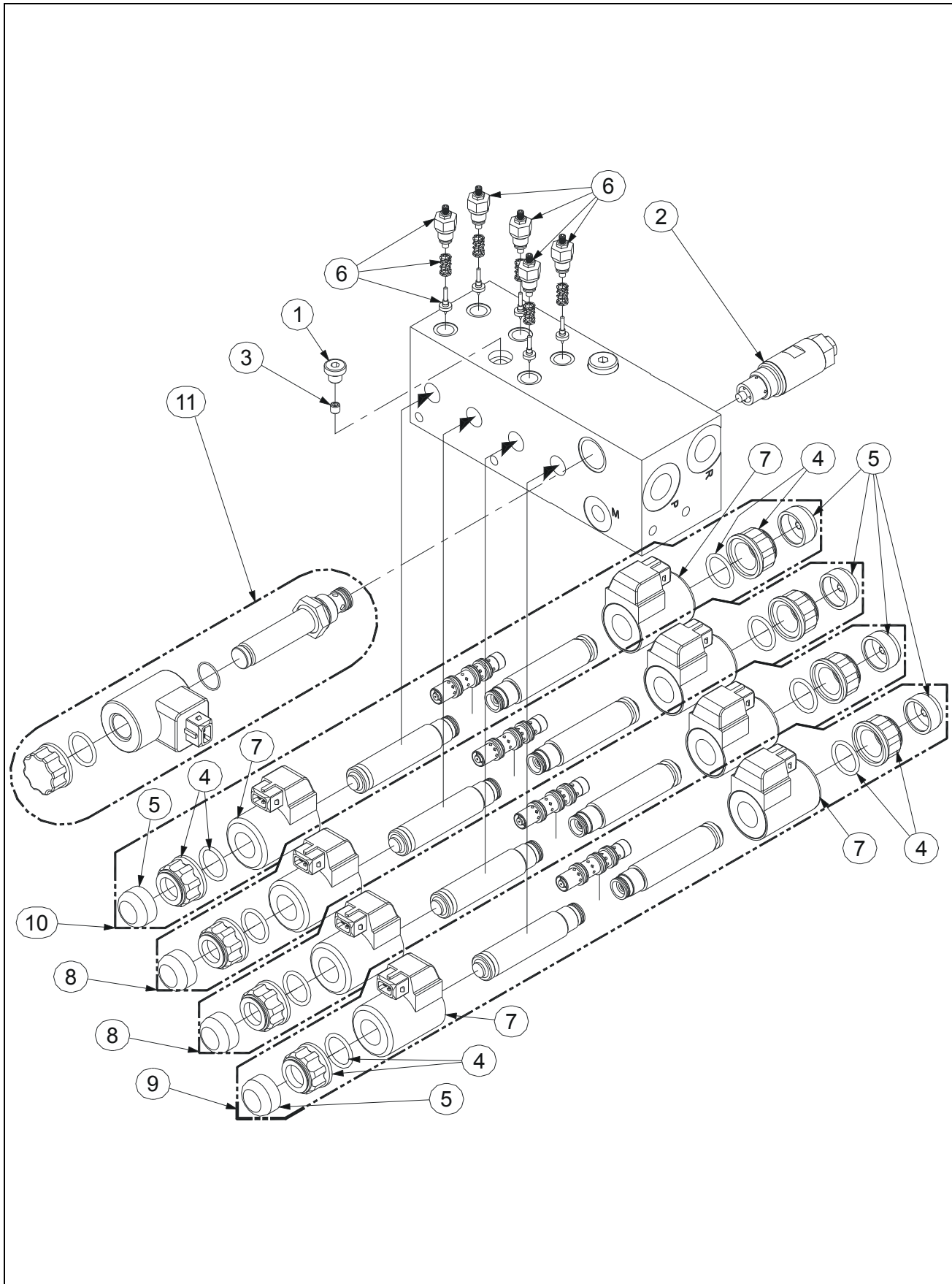
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-10. FUNCTIONS MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC FONCTIONS**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION	REV	INFORMATION
	<b>SE0570</b>		<b>S/N SINCE #299 FUNCTIONS MANI- FOLD ASSEMBLY</b>		<b>SE0570</b>
1	300001	1	90° ELBOW MALE BSPP 1/4-MALE JIC 9/ 16		
					ASSEMBLAGE BLOC FONCTIONS DEPUIS N°299
2	300004	1	PRESSURE TEST PLUG JIC9/16 SMK		
3	300040	6	FITTING MALE BSPP3/8 MALE JIC9/16		
4	300044	2	FITTING MALE BSPP1/2-MALE JIC9/16		
5	300049	2	FITTING MALE BSPP1/2 MALE JIC7/8		
6	300057	2	FITTING MALE BSPP 3/8 - MALE JIC 3/4		
7	300111	1	FITTING MALE BSPP3/8 MALE JIC7/8		
8	520091	1	FUNCTIONS MANIFOLD		520091
					COUDE 90° Male BSPP 1/4 -Male JIC 9/16
					PRISE DE PRESSION JIC 9/16 SMK
					RACCORD MALE BSPP3/8 MALE JIC9/16
					RACCORD MALE BSPP1/2-MALE JIC9/16
					RACCORD MALE BSPP1/2 MALE JIC7/8
					RACCORD MALE BSPP 3/8 - MALE JIC 3/4
					RACCORD MALE BSPP3/8 MALE JIC7/8
					BLOC FONCTIONS

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1-10-1.FUNCTIONS MANIFOLD / BLOC FONCTIONS



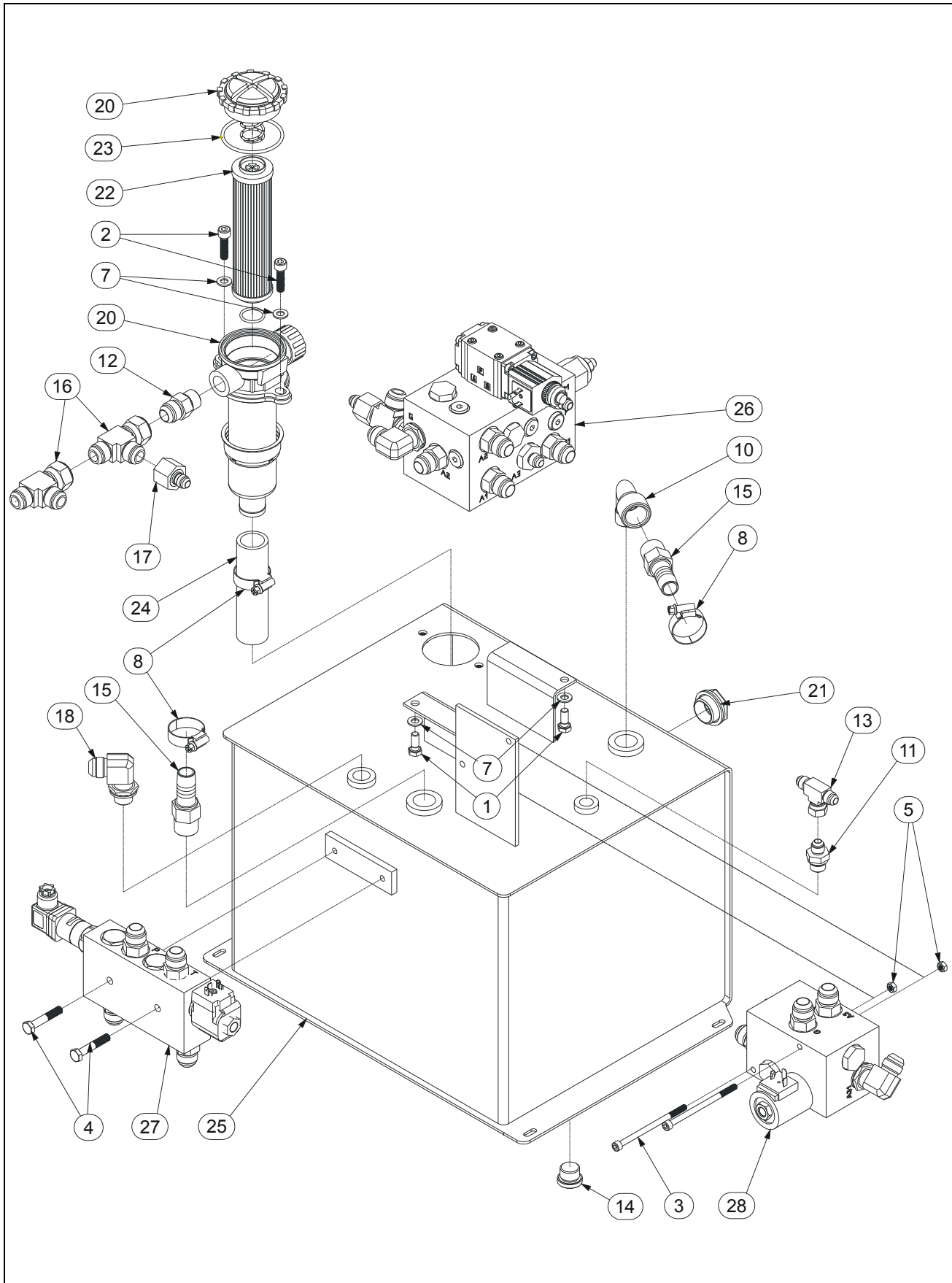
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-10-1. FUNCTIONS MANIFOLD / BLOC FONCTIONS**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>520091</b>		<b>S/N SINCE #299 FUNCTIONS MANIFOLD</b>	<b>BLOC FONCTIONS DEPUIS N°299</b>	<b>A</b>	<b>520091</b>
1	300163	1	PLUG BSPP 1/8	BOUCHON BSPP 1/8		
2	950089	1	PRESSURE RELIEF VALVE DB04E 250V	LIMITEUR DE PRESSION DB4E 250V		
3	950098	1	JET M06 Ø 1	GICLEUR M06 Ø 1		
4	950112	8	M18x1.5 NUT	ECROU M18x1.5		
5	950113	8	CAP	COIFFE		
6	952028	5	PRESSURE RELIEF VALVE 0 - 250 BAR	LIMITEUR DE PRESSION 0 - 250 BAR		
7	952031	8	24 VDC COIL	BOBINE 24V		
8	952042	2	COMPLETE SPOOL KIT	KIT TIROIR COMPLET		
9	952043	1	COMPLETE SPOOL KIT	KIT TIROIR COMPLET		
10	952076	1	S/N SINCE #299 COMPLETE SPOOL KIT	KIT TIROIR COMPLET DEPUIS N°299		
11	952081	1	2/2 SOLENOID VALVE	DISTRIBUTEUR A TIROIR 2/2		

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1-11. RESERVOIR ASSEMBLY / ASSEMBLAGE RESERVOIR



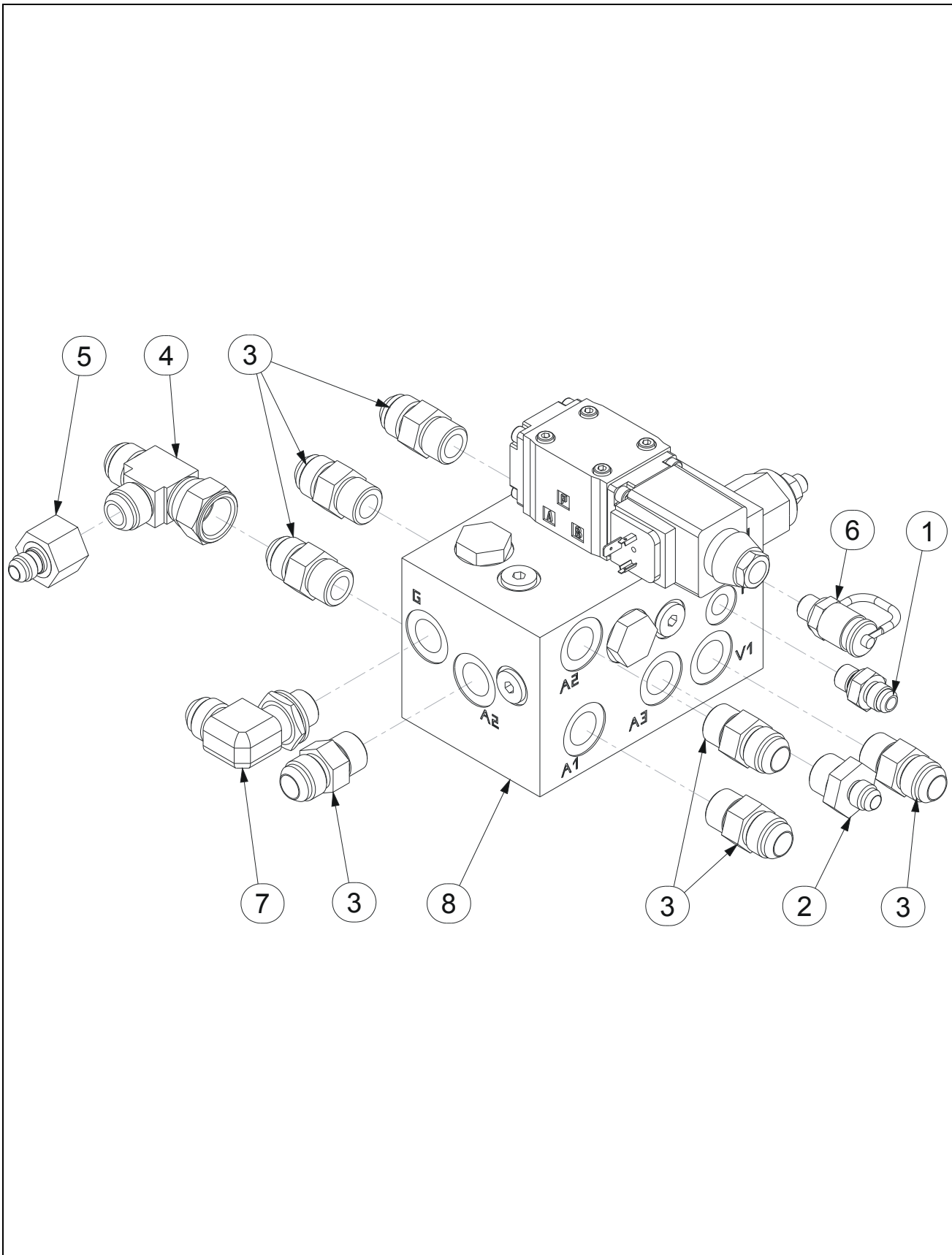
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-11. RESERVOIR ASSEMBLY / ASSEMBLAGE RESERVOIR**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>RESERVOIR ASSEMBLY</b>	<b>ASSEMBLAGE RESERVOIR</b>	<b>B</b>	<b>SP1313</b>
1	100019	2	M08x20 8.8 HEX HEAD MACHINE SCREW	VIS H M08x20 8.8 BI FT	A	
2	000044	2	M08x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x30 8.8 BI FT		
3	000079	2	M06x100 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x100 8.8 BI FP		
4	100093	2	M08x45 8.8 HEX HEAD MACHINE SCREW	VIS H M08x45 8.8 BI FT		
5	110003	2	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
6			NOT REQUIRED	NON REQUIS	A	
7	120010	4	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI		
8	190073	3	CLAMP Ø25-40	COLLIER Ø25-40	A	
9			NOT REQUIRED	NON REQUIS	A	
10	300002	1	90° ELBOW Male BSPT3/4-Female BSPP3/4	COUDE 90° Male BSPT3/4-Femel BSPP3/4		
11	300040	1	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
12	300049	1	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
13	300055	1	BRANCH TEE MALE JIC 9/16 SWIVEL NUT	TE Male JIC9/16 TOURNANT CENTRAL		
14	300060	1	CAP BSPP 1/2	BOUCHON BSPP 1/2		
15	300078	2	FITTING Male BSPP3/4-Male Ø19 GROOVE	RACCORD Male BSPP3/4-Ø19 CANNELE		
16	300082	2	BRANCH TEE JIC7/8 LAT SWIVEL NUT	TE JIC 7/8 ECROU TOURNANT LATERAL		
17	300083	1	REDUCTION	REDUCTION		
18	300120	1	90° ELBOW MALE BSPP1/2-MALE JIC 3/4	COUDE MALE BSPP1/2-MALE JIC 3/4		
19			NOT REQUIRED	NON REQUIS		
20	310065	1	PRIOR NOV 2010 - RETURN FILTER (including 930127&930129)	AVANT NOV 2010 - FILTRE RETOUR (inclus 930127&930129)	B	
20	310104	1	SINCE NOV 2010 - RETURN FILTER (including 930127&930129)	DEPUIS NOV 2010 - FILTRE RETOUR (inclus 930127&930129)	B	
21	310067	1	OIL LEVEL INDICATOR	VOYANT DE NIVEAU		
22	930127	1	OIL FILTER CARTRIDGE	CARTOUCHE DE FILTRE		
23	930129	1	SEAL	JOINT		
24	DF0715	1	PRIOR NOV 2010 - Ø25.4x125 HOSE	AVANT NOV 2010 - DURITE Ø25.4x125	B	
24	310108	1	SINCE NOV 2010 - Ø25x125 TUBE	DEPUIS NOV 2010 - TUBE Ø25x125	B	
25	ST2430	1	HYDRAULIC RESERVOIR	RESERVOIR HYDRAULIQUE		
26	SE0554	1	DRIVE MOTORS DISTRIBUTION MANIFOLD ASSY	ASS. BLOC DISTRIBUTION MOTEURS ROUES	B	SE0554
27	SE0750	1	CHECK VALVE MANIFOLD ASSEMBLY	ASSEMBLAGE BLOC CLAPET	A	SE0750
28	SE0751	1	DIFFLOCK MANIFOLD ASSEMBLY	ASSEMBLAGE BLOC DIFFERENTIEL	B	SE0751

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1-11-1.DRIVE MOTORS DISTRIBUTION MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC DISTRIBUTION MOTEURS DE ROUES



## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

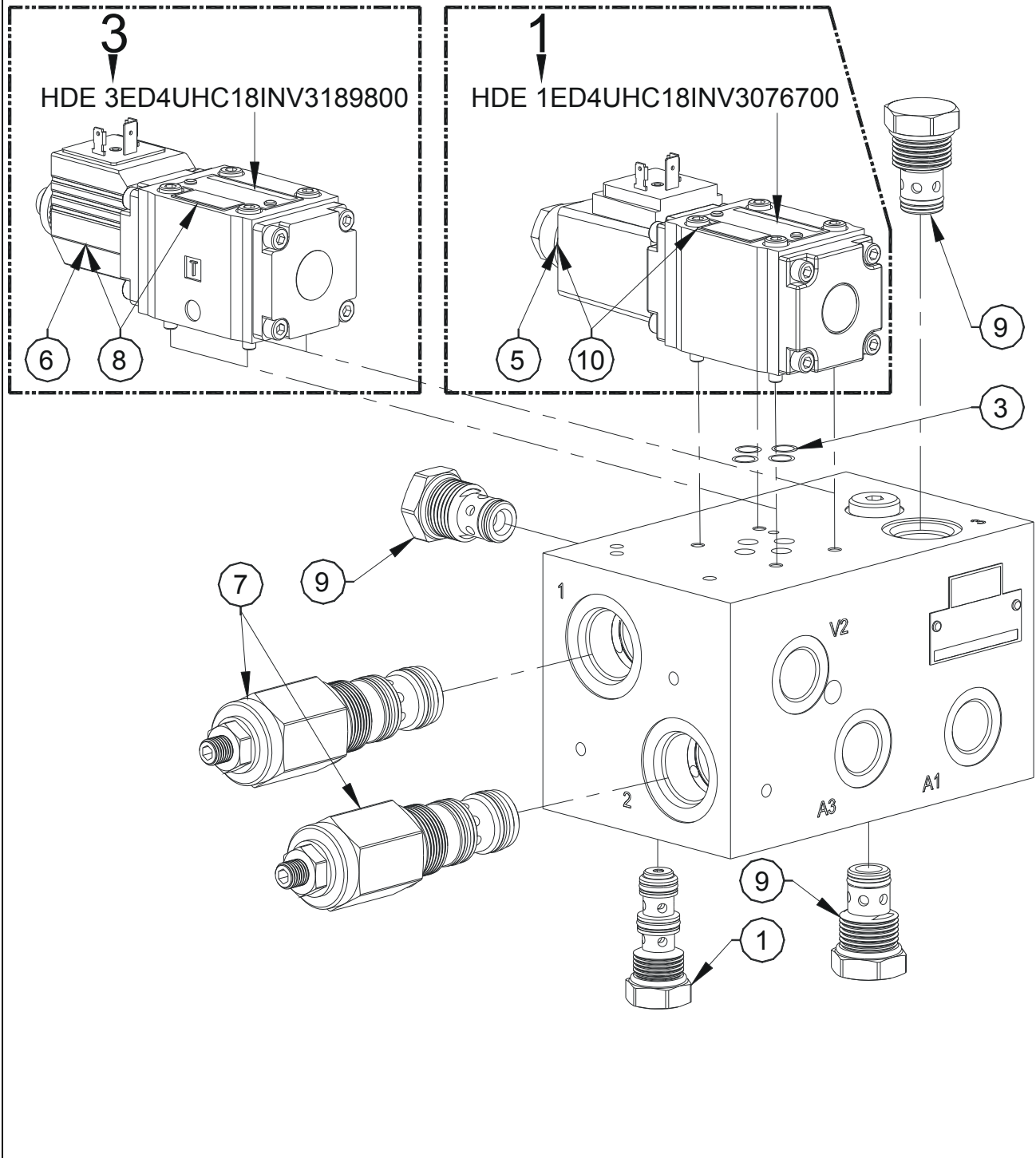
**FIGURE 3-1-11-1-1. DRIVE MOTORS DISTRIBUTION MANIFOLD / BLOC DISTRIBUTION MOTEURS DE ROUES**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0554</b>		<b>DRIVE MOTORS DISTRIB MANIFOLD ASSY</b>	<b>ASS. BLOC DISTRIB MOTEURS DE ROUES</b>		<b>SE0554</b>
1	300025	1	FITTING MALE BSPP1/4-MALE JIC9/16	RACCORD MALE BSPP1/4-MALE JIC9/16		
2	300044	1	FITTING MALE BSPP1/2-MALE JIC9/16	RACCORD MALE BSPP1/2-MALE JIC9/16		
3	300049	7	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
4	300082	1	BRANCH TEE JIC7/8 LAT SWIVEL NUT	TE JIC 7/8 ECROU TOURNANT LATERAL		
5	300083	1	REDUCTION	REDUCTION		
6	300101	1	PRESSURE TEST PLUG BSPP1/4	PRISE DE PRESSION BSPP1/4		
7	300106	1	90° ELBOW MALE BSPP1/2 MALE JIC7/8	COUDE MALE BSPP1/2 MALE JIC7/8		
8	520061	1	DRIVE MOTORS DISTRIB. MANIFOLD	BLOC DISTRIBUTION MOTEURS DE ROUES		520061

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-11-1.DRIVE MOTORS DISTRIBUTION MANIFOLD /  
BLOC DISTRIBUTION MOTEURS DE ROUES**

Coil ⑤ fit only with ⑩ / Bobine ⑤ seulement sur ⑩ / Coil ⑥ fit only with ⑧ / Bobine ⑥ seulement sur ⑧ / ⑧ & ⑩ are interchangeable. / ⑧ & ⑩ sont interchangeables.





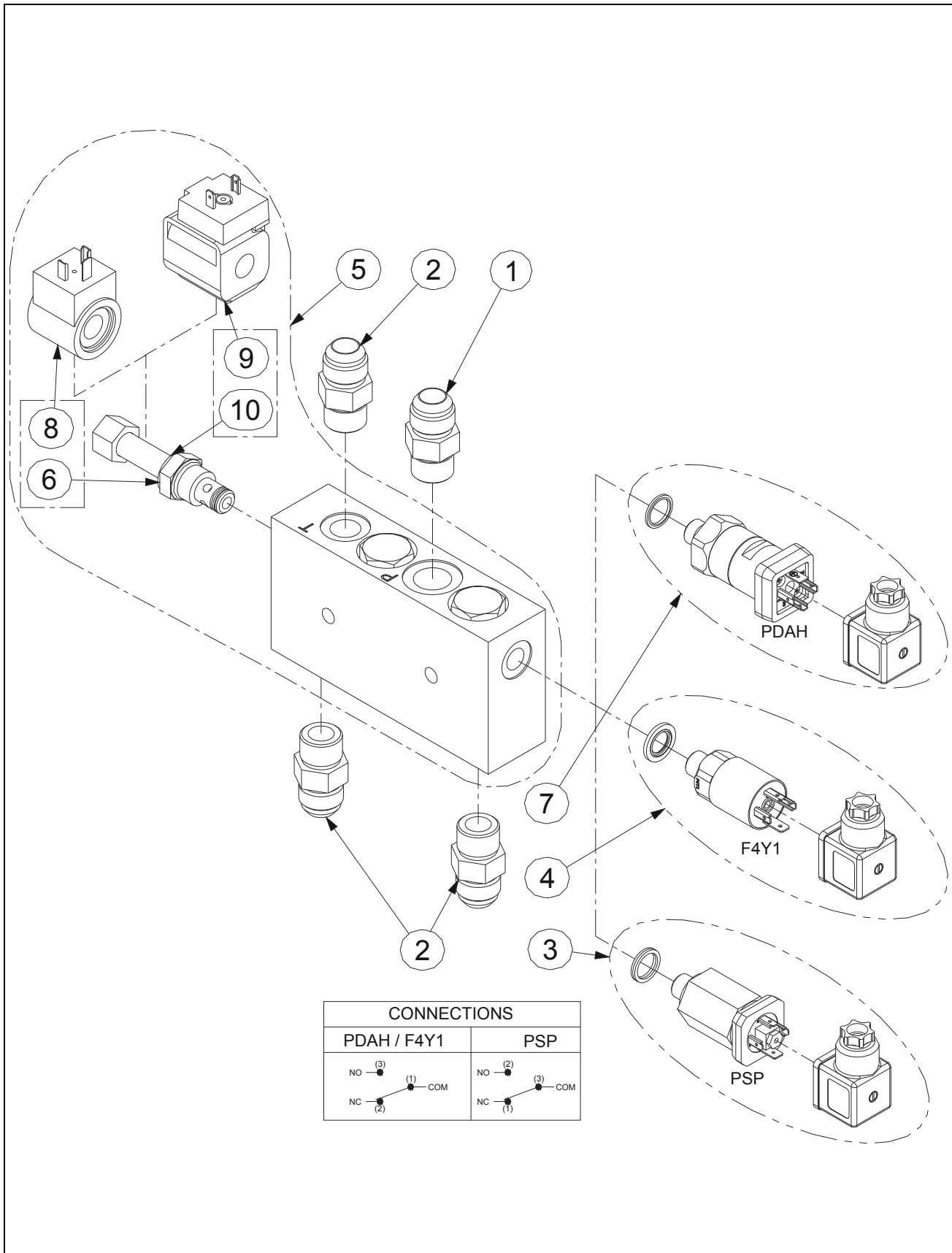
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-11-1-1. DRIVE MOTORS DISTRIBUTION MANIFOLD / BLOC DISTRIBUTION MOTEURS DE ROUES**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>520061</b>		<b>DRIVE MOTORS DISTRIB. MANIFOLD</b>	<b>BLOC DISTRIBUTION MOTEURS DE ROUES</b>	<b>B</b>	<b>520061</b>
1	900068	1	SHUTTLE VALVE	SELECTEUR DE CIRCUIT		
2			NOT REQUIRED	NON REQUIS	B	
3	900071	1	SEAL KIT	KIT DE JOINTS		
4			NOT REQUIRED	NON REQUIS	B	
5	952038	1	18V COIL	BOBINE 18V	A	
6	952090		18V COIL	BOBINE 18V	B	
7	952009	2	COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE		
8	952089		VALVE (INCLUDES ITEM 900071&952090)	DISTRIBUTEUR (INCLUS 900071&952090)	B	
9	952011	3	CHECK VALVE 0.5 BAR	CLAPET ANTI RETOUR 0.5 BAR		
10	952012	1	VALVE (INCLUDES ITEM 900071&952038)	DISTRIBUTEUR (INCLUS 900071&952038)		

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

## FIGURE 3-1-11-2.CHECK VALVE MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC CLAPET



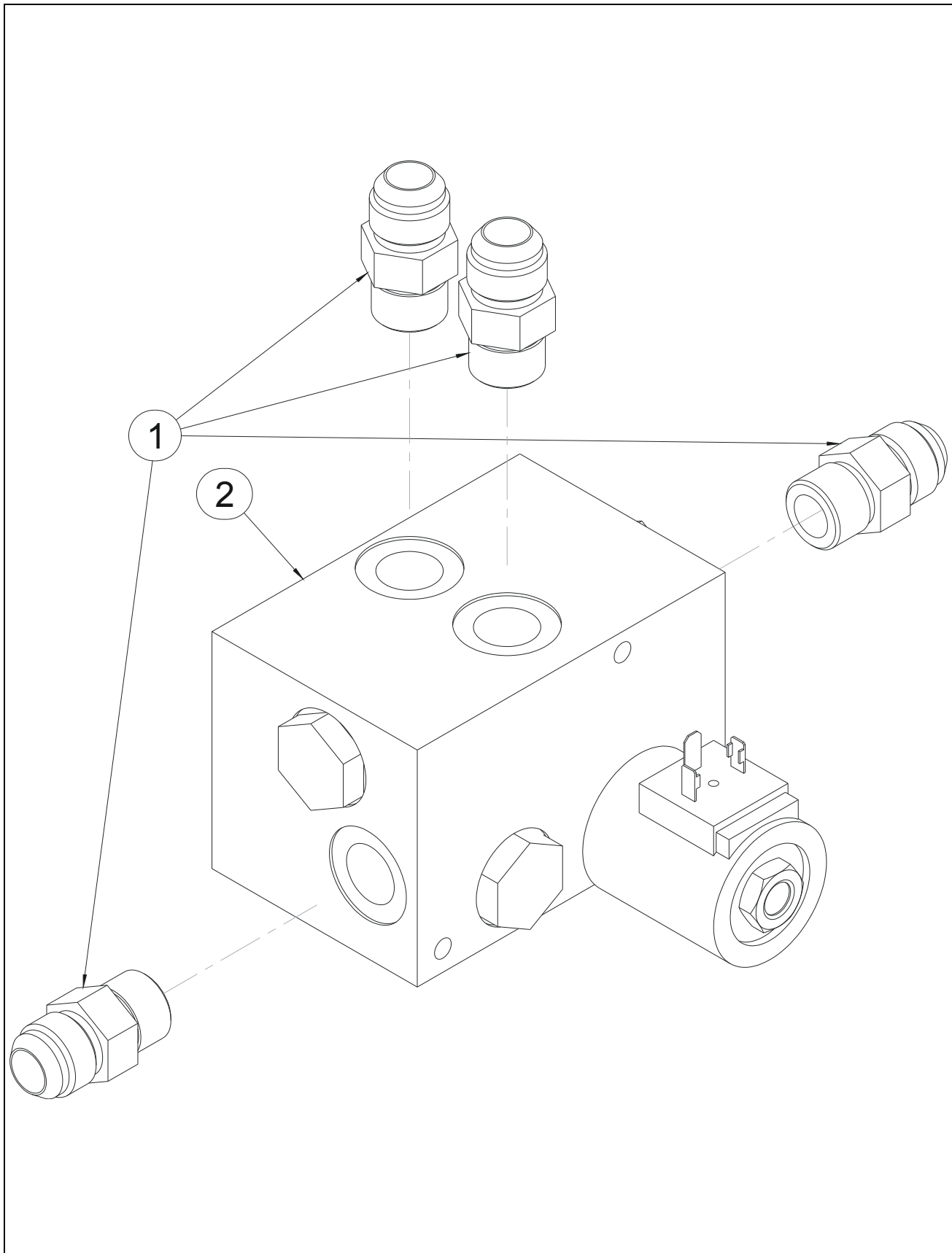
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-11-2. CHECK VALVE MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC CLAPET**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0750</b>		<b>CHECK VALVE MANIFOLD ASSEMBLY</b>	<b>ASSEMBLAGE BLOC CLAPET</b>		<b>SE0750</b>
1	300049	1	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
2	300111	3	FITTING MALE BSPP3/8 MALE JIC7/8	RACCORD MALE BSPP3/8 MALE JIC7/8		
3	310083	1	PRESSURE SWITCH "PSP" MODEL	PRESOSTAT MODELE "PSP"		
4	310097	1	PRESSURE SWITCH "F4Y1" MODEL	PRESOSTAT MODELE "F4Y1"		
5	520021	1	CHECK VALVE	BLOC CLAPET		
6	900056	1	CARTRIDGE VALVE	ELECTROCLAPET		
7	900107	1	PRESSURE SWITCH "PDAH" MODEL	PRESOSTAT MODELE "PDAH"		
8	910001	1	LOW SPEED DISABLE COIL	BOBINE COUPURE PETITE VITESSE		
9	910005	1	24 VDC COIL	BOBINE ELECTROCLAPET 24 VDC		
10	900080	1	CARTRIDGE VALVE	ELECTROCLAPET		

**SECTION 3 CHASSIS ASSEMBLY /  
ASSEMBLAGE CHASSIS**

**FIGURE 3-1-11-3.DIFFLOCK MANIFOLD ASSEMBLY /  
ASSEMBLAGE BLOC DIFFERENTIEL**



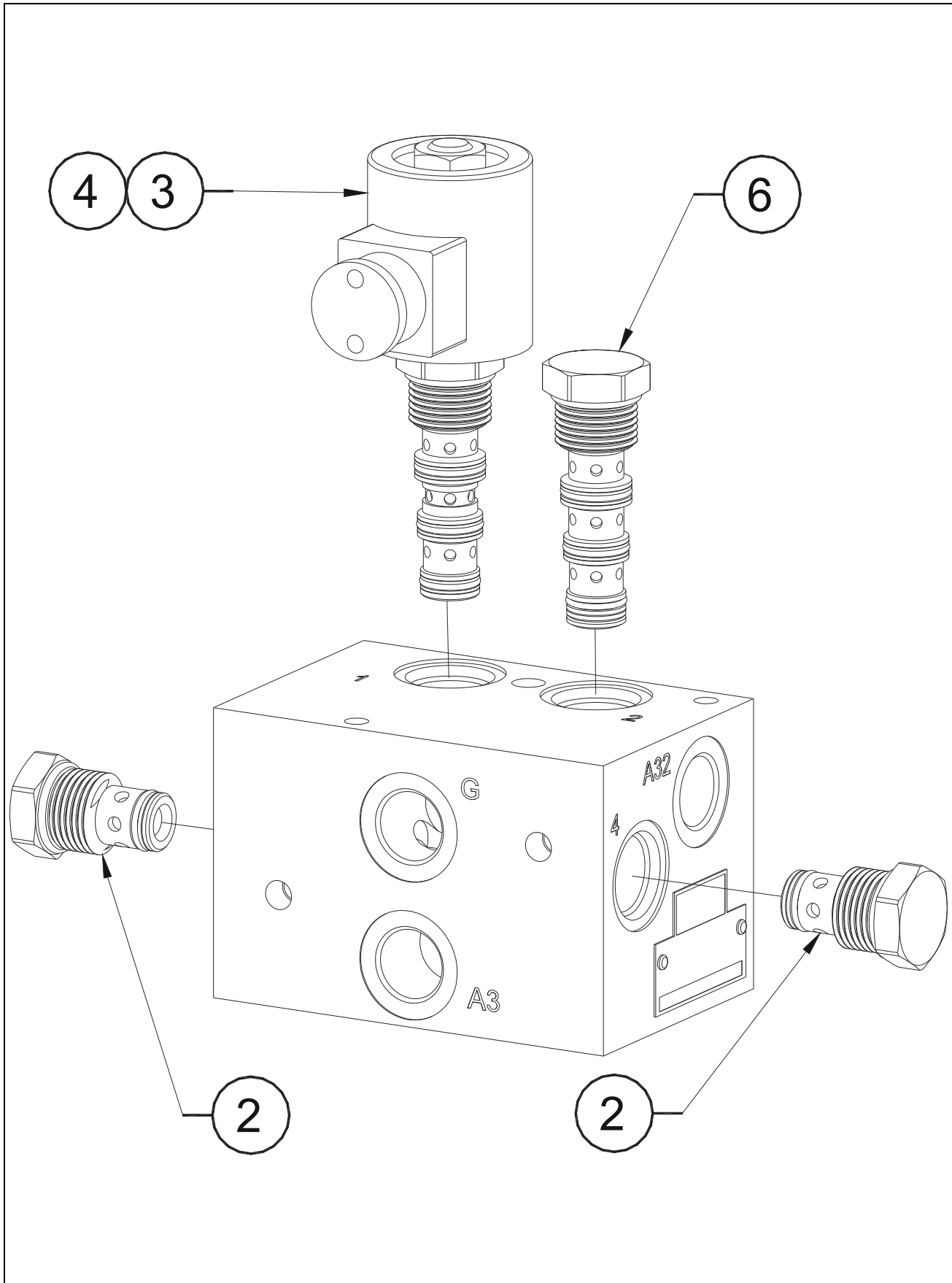
## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-11-3. DIFFLOCK MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC DIFFERENTIEL**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0751</b>		<b>DIFFLOCK MANIFOLD ASSEMBLY</b>	<b>ASSEMBLAGE BLOC DIFFERENTIEL</b>		<b>SE0751</b>
1	300049	4	FITTING MALE BSPP1/2 MALE JIC7/8	RACCORD MALE BSPP1/2 MALE JIC7/8		
2	520062	1	DIFFLOCK MANIFOLD	BLOC DIFFERENTIEL		520062

**SECTION 3 CHASSIS ASSEMBLY /  
ASSEMBLAGE CHASSIS**

**FIGURE 3-1-11-3-1.DIFFLOCK MANIFOLD / BLOC DIFFERENTIEL**



## SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

**FIGURE 3-1-11-3-1. DIFFLOCK MANIFOLD / BLOC DIFFERENTIEL**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION	REV	INFORMATION
	<b>520062</b>		<b>DIFFLOCK MANIFOLD</b>		<b>520062</b>
1			NOT REQUIRED	A	
2	952011	2	CHECK VALVE 0.5 BAR	A	
3	952013	1	BYPASS VALVE (INCLUDES ITEM 952014)		
4	952014	1	COIL		
5			NOT REQUIRED	A	
6	952016	1	FLOW DIVIDER		

# SECTION 3 CHASSIS ASSEMBLY / ASSEMBLAGE CHASSIS

FIGURE 3-1-11-3-1. DIFFLOCK MANIFOLD / BLOC DIFFERENTIEL (CONTINUED)

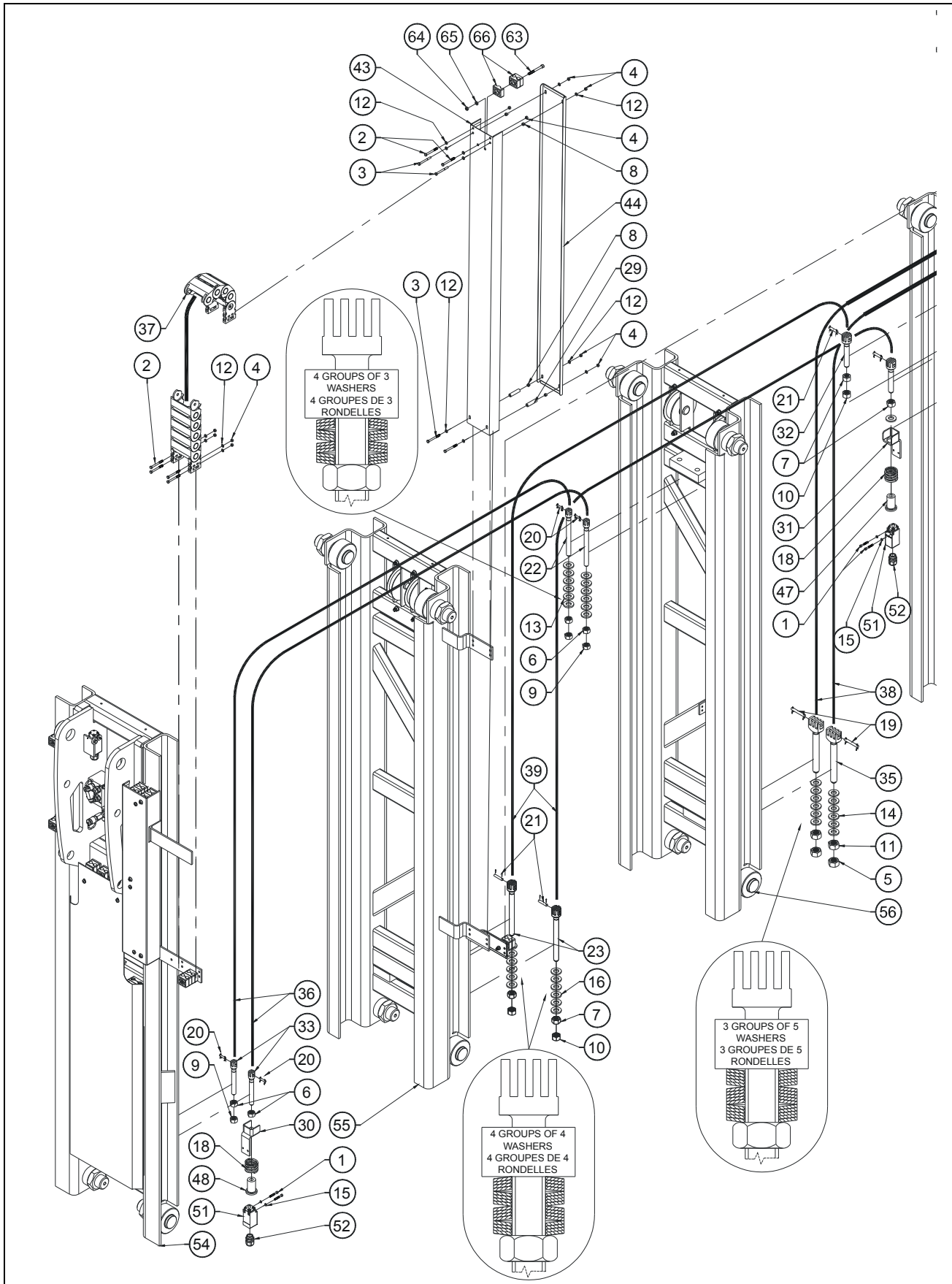
DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION



**SECTION 4  
MASTS INSTALL /  
INSTALLATION MATS**

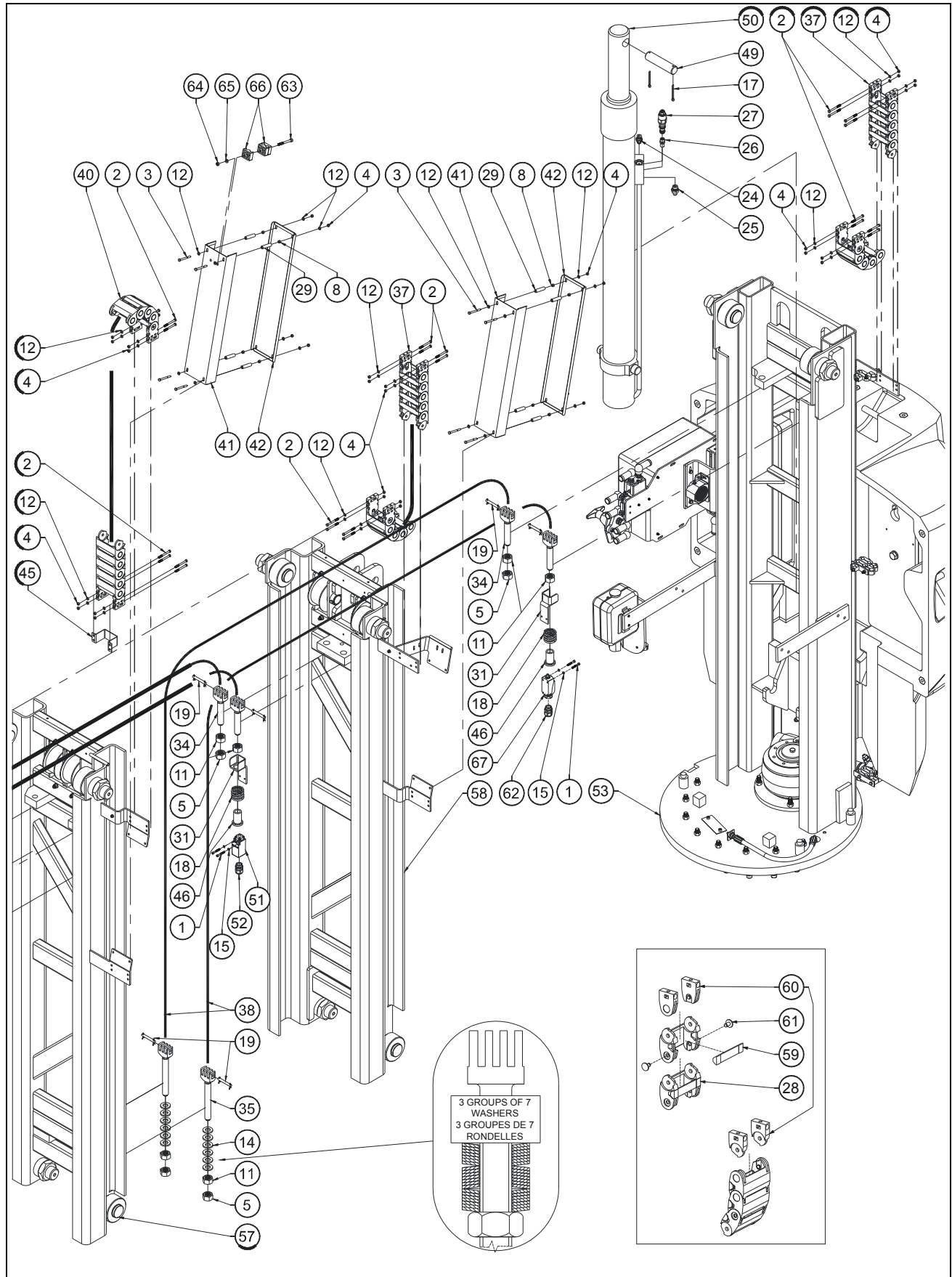
# SECTION 4 MASTS INSTALL / INSTALLATION MATS

## FIGURE 4-1. MASTS ASSEMBLY / ASSEMBLAGE MATS



# SECTION 4 MASTS INSTALL / INSTALLATION MATS

## FIGURE 4-1. MASTS ASSEMBLY / ASSEMBLAGE MATS



## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1. MASTS ASSEMBLY / ASSEMBLAGE MATS**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>MAST INSTALL</b>	<b>INSTALLATION DU MAT</b>	<b>A</b>	<b>SP1300</b>
1	000007	8	M04x30 8.8 SOCKET HEAD CAPSCREW	VIS CHC M04x30 8.8 BI FP		
2	100145	30	M05x50 8.8 HEX HEAD MACHINE SCREW	VIS H M05x50 8.8 BI FT		
3	100148	12	M05x60 8.8 HEX HEAD MACHINE SCREW	VIS H M05x60 8.8 BI FT		
4	110002	42	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
5	110006	6	M20 GR. 8.8 LOCK NUT	ECROU FREIN M20 8.8 BI		
6	110009	4	M14 GR. 8.8 HEX NUT	ECROU H M14 8.8 BI		
7	110010	4	M16 GR. 8.8 HEX NUT	ECROU H M16 8.8 BI		
8	110013	12	M05 GR. 8.8 HEX NUT	ECROU H M05 8.8 BI		
9	110019	3	M14 GR. 8.8 LOCK NUT	ECROU FREIN H M14 8.8 BI		
10	110020	3	M16 GR. 8.8 LOCK NUT	ECROU FREIN M16		
11	110025	8	M20 GR. 8.8 HEX NUT	ECROU H M20 8.8 BI		
12	120002	54	M05 WASHER	RONDELLE M05 BI		
13	120017	24	SPRING WASHER Ø34x14.3x1.5	RONDELLE RESSORT Ø34x14.3x1.5 BR		
14	120018	72	SPRING WASHER Ø40x20.4x2	RONDELLE RESSORT 40x20.4x2 BR		
15	120024	8	M04 LOCK WASHER	RONDELLE CONTACT M04 BI		
16	120036	32	SPRING WASHER Ø40x16.3x2 BLACK	RONDELLE RESSORT Ø40x16.3x2 BR		
17	140009	2	Ø4.5x50 COTTER PIN	GOUPILLE FENDUE Ø4.5x50		
18	160010	4	C 360 450 320 SPRING	RESSORT C 360 450 320		
19	170002	8	M20 CLEVIS PIN	AXE DE CHAPE M20		
20	170007	4	M14 CLEVIS PIN	AXE DE CHAPE M14		
21	170008	4	M16 CLEVIS PIN	AXE DE CHAPE M16		
22	170009	2	M14x150 CHAIN ANCHOR	CHAPE DE CHAINE M14x150		
23	170010	2	CHAIN ANCHOR M16x160	CHAPE DE CHAINE M16x160		
24	300001	1	90° ELBOW MALE BSPP 1/4-MALE JIC 9/16	COUDE 90° Male BSPP 1/4 -Male JIC 9/16		
25	300040	1	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
26	310037	1	FLOW REGULATOR VALVE 9L/mn	REGULATEUR DE DEBIT 9L/mn		
27	310055	1	COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE		
28	920025	x	POWER BRIDGE LINK	MAILLON CHAINE PORTE CABLES		
29	DT0408	10	SPACER	ENTRETOISE		
30	SD0345	1	SWITCH HOLDER	SUPPORT CAPTEUR		
31	SD0464	3	SWITCH HOLDER	SUPPORT CAPTEUR		
32	ST0099	2	CHAIN ANCHOR M16x80	CHAPE DE CHAINE M16x80		
33	ST0120	2	CHAIN ANCHOR M14x90	CHAPE DE CHAINE M14x90		
34	ST0752	4	CHAIN ANCHOR M20x80	CHAPE M20x80		
35	ST0828	4	CHAIN ANCHOR M20x135	CHAPE M20x135		
36	ST1366	2	CHAIN LL 10-40	CHAINE DE LEVAGE LL 10-40		
37	ST2449	3	TELESCOPE POWER BRIDGE	CHAINE PORTE CABLES TELESCOPE		
38	ST2580	4	LH 12-66 CHAIN	CHAINE LH 12-66		
39	ST2581	2	LL 12-66 CHAIN	CHAINE LL 12-66		
40	ST2582	1	POWER BRIDGE	CHAINE PORTE CABLES		

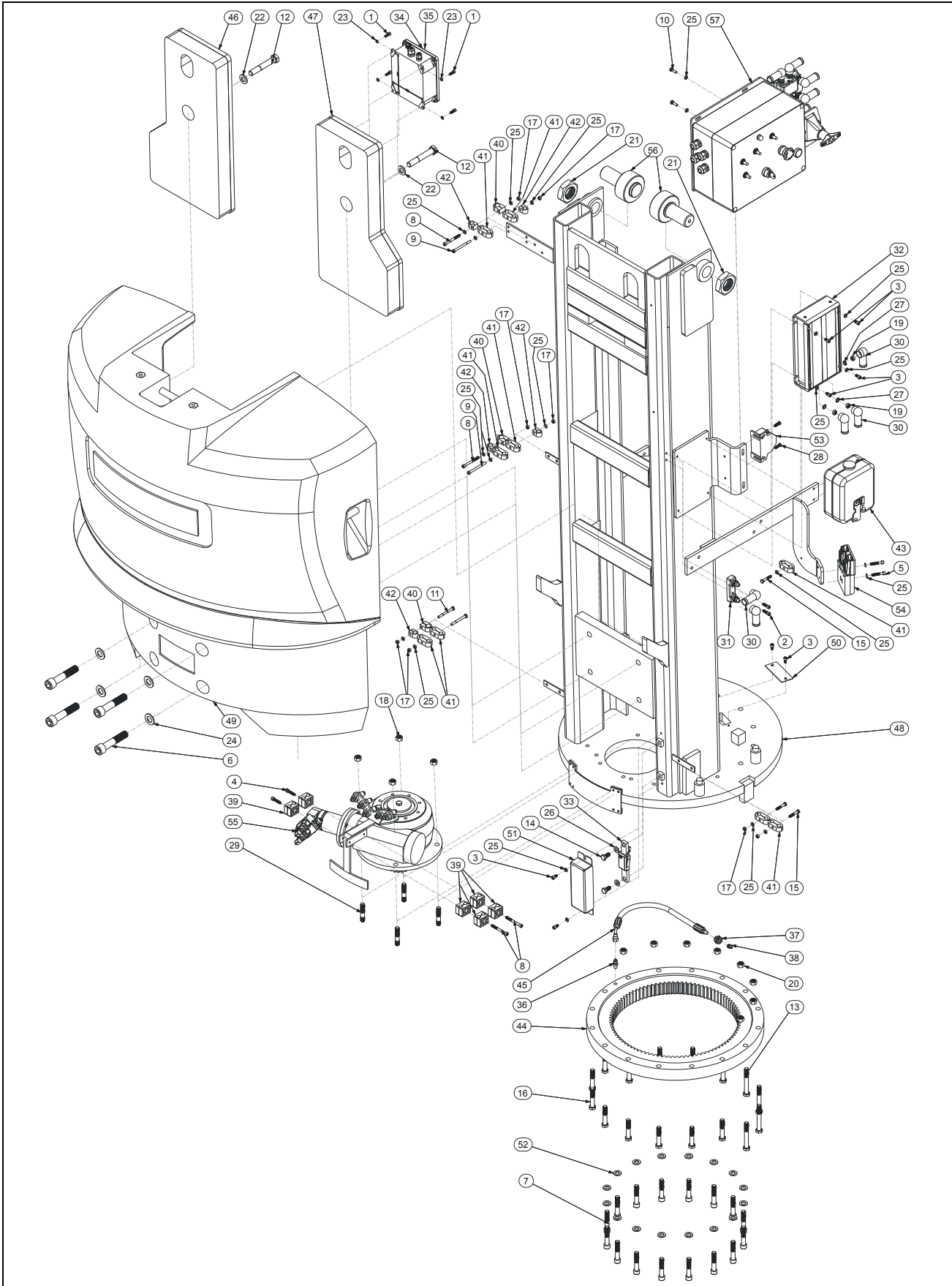
## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1. MASTS ASSEMBLY / ASSEMBLAGE MATS (CONTINUED)**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
41	ST2601	2	HOSE GUARD CHANNEL	GOULOTTE		
42	ST2602	2	HOSE GUARD COVER	COUVERCLE GOULOTTE		
43	ST2603	1	HOSE GUARD CHANNEL	GOULOTTE		
44	ST2604	1	HOSE GUARD COVER	COUVERCLE GOULOTTE		
45	ST2620	1	CABLE U CLAMP	ETRIER SERRE-CABLE		
46	US0203	2	ACTUATOR M20	ACTIONNEUR M20		
47	US0204	1	ACTUATOR M16	ACTIONNEUR M16		
48	US0208	1	ACTUATOR M14	ACTIONNEUR M14		
49	US0465	1	CYLINDER PIN/MAST	AXE VERIN/MAT		
50		1	MAST CYLINDER	VERIN DE MAT		APPENDIX A
51	260016	3	CROUZET-NO/NC SWITCH PG13	CROUZET-CAPTEUR NO/NF PE13	A	
51	260327	3	TELEMECANIQUE-NO/NC SWITCH PG11	TELEMECANIQUE-CAPTEUR NO/NF PE11	A	
52	210062	3	CROUZET - GLAND N°13 Ø5 IP65	CROUZET -PRESSE ETOUPE N°13 Ø5 IP65	A	
52	210018	3	TELEMECANIQUE-GLAND N°11	TELEMECANIQUE-PRESSE ETOUPE N°11	A	
53		1	MAST 1 ASSEMBLY	ASSEMBLAGE MAT 1		SP1302
54		1	MAST 6 ASSEMBLY	ASSEMBLAGE MAT 6		SP1332
55		1	MAST 5 ASSEMBLY	ASSEMBLAGE MAT 5		SP1333
56		1	MAST 4 ASSEMBLY	ASSEMBLAGE MAT 4		SP1334
57		1	MAST 3 ASSEMBLY	ASSEMBLAGE MAT 3		SP1335
58		1	MAST 2 ASSEMBLY	ASSEMBLAGE MAT 2		SP1336
59	920068	x	SR355A065 POWER BRIDGE CLIP	CLIP CHAINE PORTE-CABLE SR355A065		
60	920072	x	SR355 POWER BRIDGE ATTACHMENT KIT	KIT ATTACHES CHAINE PORTE CBL SR355		
61	920074	x	PG355 POWER BRIDGE PIN	AXE CHAINE PORTE-CABLE PG355		
62	210059	1	GLAND N°13 2xØ5 IP65	PRESSE ETOUPE N°13 2xØ5 IP65	A	
63	000073	2	M06x55 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x55 8.8 BI FP	A	
64	110003	2	M06 GR08 LOCK NUT	ECROU FREIN M6 CL08 BI	A	
65	120009	2	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI	A	
66	400018	3	CLAMP, TWIN D12	COLLIER DOUBLE D12	A	
67	260326	1	NO/NC SWITCH PG13	CAPTEUR NO/NF PE13	A	

# SECTION 4 MASTS INSTALL / INSTALLATION MATS

## FIGURE 4-1-1. S/N PRIOR/AVANT #13148 MAST 1 ASSEMBLY / ASSEMBLAGE MAT 1



## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-1. S/N PRIOR/AVANT #13148 MAST 1 ASSEMBLY / ASSEMBLAGE MAT 1**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>S/N PRIOR #13148 PRIOR MAST 1 ASSEMBLY</b>	<b>ASSEMBLAGE MAT 1 AVANT N°13148</b>	<b>D</b>	<b>SP1302</b>
1	000003	4	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT		
2	000005	2	M06x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x20 8.8 BI FT		
3	000014	8	M06x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x12 8.8 BI FT		
4	000016	2	M06x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x30 8.8 BI FT		
5	000017	2	M06x40 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x40 8.8 BI FT		
6	000038	4	M20x100 8.8 SOCKET HEAD CAPSCREW	VIS CHC M20x100 8.8 BI FP		
7	000041	16	M12x65 10.9 SOCKET HEAD C.SCR black	VIS CHC M12x65 10.9 BR FP		
8	000076	4	M06x60 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x60 8.8 BI FP		
9	000087	2	M06x80 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x80 8.8 BI FP		
10	100005	2	M06x20 8.8 HEX HEAD MACHINE SCREW	VIS H M06x20 8.8 BI FT		
11	100020	2	M06x60 8.8 HEX HEAD CAPSCREW	VIS H M06x60 8.8 BI FP		
12	100036	2	M16x100 8.8 HEX HEAD CAPSCREW	VIS H M16x100 8.8 BI FP		
13	100038	8	M12x90 10.9 HEX HEAD CAPSCREW Black	VIS H M12x90 10.9 BR FP		
14	100009	2	M10x30 8.8 HEX HEAD MACHINE SCREW	VIS H M10x30 8.8 BI FT	A	
15	100051	3	M06x35 8.8 HEX HEAD MACHINE SCREW	VIS H M06x35 8.8 BI FT		
16	100146	8	M12x65 10.9 Black HEX HEAD CAP-SCREW	VIS H M12x65 10.9 BR FP		
17	110003	8	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
18	110014	4	M12 GR. 8.8 LOCK NUT	ECROU FREIN M12 8.8 BI		
19	110016	3	M08 GR. 8.8 HEX NUT	ECROU H M08 8.8 BI		
20	110017	8	M12 GR. 10.9 LOCK NUT	ECROU FREIN H M12 10.9 BI		
21	110036	2	M42x4.5 GR. 4 FLAT HEX NUT	ECROU Hm M42x4.5 GR 4 BI		
22	120001	2	M16 WASHER	RONDELLE M16 BI		
23	120002	4	M05 WASHER	RONDELLE M05 BI		
24	120003	4	Ø20x37x3 WASHER	RONDELLE Ø20x37x3 BI		
25	120009	22	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		
26	120011	2	dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		
27	120021	3	HELICAL SPRING LOCK WASHER Ø8	RONDELLE GROWER Ø8 BI		
28	130021	2	M06x20 8.8 ROUND HEAD MACH SCREW	VIS BOMBEE ULF M06x20 8.8 BI FT		
29	130045	4	M12x25 GR. 8.8 STUD Black	GOUJON M12x25 8.8 ZI		
30	250031	5	TERMINAL CAP	CAPUCHON D'ETANCHEITE		
31	260077	1	POWER FUSE HOLDER	PORTE FUSIBLE DE PUISSANCE		
32	260147	1	ELECTRONIC CONTROLLER	VARIATEUR ELECTRONIQUE		
33	260255	1	STRAIN GAUGE	CAPTEUR A DEFORMATION		
34	260256	1	S/N PRIOR #13110 LLD 100i BOARD BOX	BOITIER CARTE LLD 100i AVANT N°13110	D	
34	260283	1	S/N SINCE #13110 LLD300M82 BOARD BOX	BOITIER CARTE LLD300M82 DEPUIS N°13110	D	
35	290028	1	S/N PRIOR #13110 LLD 100iNEXT BOARD	CARTE LLD 100iNEXT AVANT N°13110	D	
35	290050	1	S/N SINCE #13110 LLD300M82 BOARD	CARTE LLD300M82 DEPUIS N°13110	D	

## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-1. S/N PRIOR/AVANT #13148 MAST 1 ASSEMBLY / ASSEMBLAGE MAT 1 (CONTINUED)**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
36	300128	1	FITTING MALE BSPT 1/8-MALE JIC 7/16	RACCORD MALE BSPT 1/8-JIC 7/16		
37	300129	1	FITTING FEEDTHROUGH BSPP 1/8	TRAVERSEE DE CLOISON BSPP 1/8		
38	310057	1	GREASE FITTING 1/8 BSPT	GRAISSEUR BSPT 1/8		
39	400018	6	PAIR 1/2 SHELL Ø12-12	PAIRE DEMI COQUILLE Ø12-12		
40	400045	3	SIMPLE CLAMP Ø16 mm	COLLIER SIMPLE Ø16 mm		
41	400046	9	PAIR 1/2 SHELL D12 mm	PAIRE DEMI COQUILLE D12 mm		
42	400047	5	SIMPLE CLAMP Ø12 mm	COLLIER SIMPLE Ø12 mm		
43	400058	1	DISTILLED WATER CAN KIT	KIT BIDON D'EAU DISTILLEE		
44	500002	1	SLEWING RING	COURONNE D'ORIENTATION		
45	DF0661	1	GREASING EXTENSION	RALLONGE DE GRAISSAGE		
46	DL0649	1	ADDITIONNAL RIGHT COUNTERWEIGHT	CONTREPOIDS ADDITIONNEL DROIT		
47	DL0650	1	ADDITIONNAL LEFT COUNTERWEIGHT	CONTREPOIDS ADDITIONNEL GAUCHE		
48	DL0651	1	MAST 1	MAT 1		
49	ST2322	1	COUNTERWEIGHT	CONTREPOIDS		
50	ST2477	1	GREASING HATCH	TRAPPE DE GRAISSAGE		
51	ST2485	1	STRAIN GAUGE CAP	COUVERCLE CAPTEUR A DEFORMATION		
52	US0190	16	dDH 13x20x02 HEAT TREATED WASHER	RONDELLE TRAITEE dDH 13x20x02		
53	260274	1	HORN	KLAXON	D	
54	PC0223	1	HARNESS ASSEMBLY-POWER SUPPLY	FAISCEAU ALIMENTATION	D	
55		1	SLEWING DRIVE ASSEMBLY	ASSEMBLAGE REDUCT. D'ORIENTATION		SP1203
56	SE0520	2	ROLLER ASSEMBLY	ASSEMBLAGE GALET	D	
57		1	LCB MOUNTING PLATE ASSEMBLY	ASSEMBLAGE PLATINE BOITIER BAS	D	SP1218



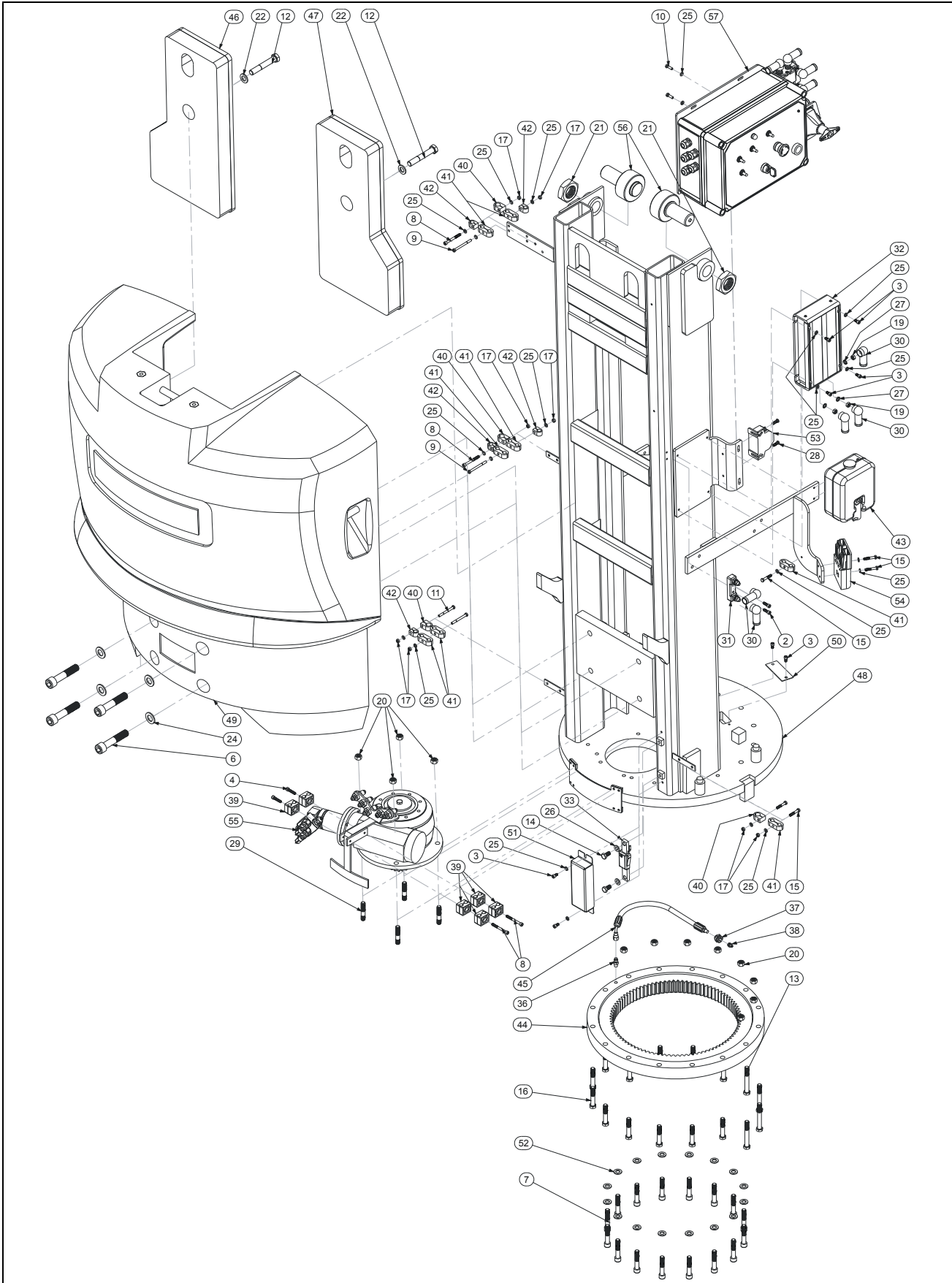
# SECTION 4 MASTS INSTALL / INSTALLATION MATS

FIGURE 4-1-1. S/N PRIOR/AVANT #13148 MAST 1 ASSEMBLY / ASSEMBLAGE MAT 1 (CONTINUED)

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

# SECTION 4 MASTS INSTALL / INSTALLATION MATS

## FIGURE 4-1-2. S/N SINCE/DEPUIS #13148 MAST 1 ASSEMBLY / ASSEMBLAGE MAT 1



## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-2. S/N SINCE/DEPUIS #13148 MAST 1 ASSEMBLY / ASSEMBLAGE MAT 1**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>S/N SINCE #13148 PRIOR MAST 1 ASSEMBLY</b>	<b>ASSEMBLAGE MAT 1 DEPUIS N°13148</b>	<b>E</b>	<b>SP1302</b>
1			NOT REQUIRED	NON REQUIS	B	
2	000005	2	M06x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x20 8.8 BI FT		
3	000014	8	M06x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x12 8.8 BI FT		
4	000016	2	M06x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x30 8.8 BI FT		
5		2	NOT REQUIRED	NON REQUIS	C	
6	000038	4	M20x100 8.8 SOCKET HEAD CAPSCREW	VIS CHC M20x100 8.8 BI FP		
7	000041	16	M12x65 10.9 SOCKET HEAD C.SCR black	VIS CHC M12x65 10.9 BR FP		
8	000076	4	M06x60 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x60 8.8 BI FP		
9	000087	2	M06x80 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x80 8.8 BI FP		
10	100005	2	M06x20 8.8 HEX HEAD MACHINE SCREW	VIS H M06x20 8.8 BI FT		
11	100020	2	M06x60 8.8 HEX HEAD CAPSCREW	VIS H M06x60 8.8 BI FP		
12	100036	2	M16x100 8.8 HEX HEAD CAPSCREW	VIS H M16x100 8.8 BI FP		
13	100038	8	M12x90 10.9 HEX HEAD CAPSCREW Black	VIS H M12x90 10.9 BR FP		
14	100009	2	M10x30 8.8 HEX HEAD MACHINE SCREW	VIS H M10x30 8.8 BI FT	A	
15	100051	5	M06x35 8.8 HEX HEAD MACHINE SCREW	VIS H M06x35 8.8 BI FT	C	
16	100146	8	M12x65 10.9 Black HEX HEAD CAP- SCREW	VIS H M12x65 10.9 BR FP		
17	110003	8	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
18			NOT REQUIRED	NON REQUIS	C	
19	110016	3	M08 GR. 8.8 HEX NUT	ECROU H M08 8.8 BI		
20	110017	12	M12 GR. 10.9 LOCK NUT	ECROU FREIN H M12 10.9 BI	C	
21	110036	2	M42x4.5 GR. 4 FLAT HEX NUT	ECROU Hm M42x4.5 GR 4 BI		
22	120001	2	M16 WASHER	RONDELLE M16 BI		
23			NOT REQUIRED	NON REQUIS	B	
24	120003	4	Ø20x37x3 WASHER	RONDELLE Ø20x37x3 BI		
25	120009	22	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		
26	120011	2	dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		
27	120021	3	HELICAL SPRING LOCK WASHER Ø8	RONDELLE GROWER Ø8 BI		
28	130021	2	M06x20 8.8 ROUND HEAD MACH SCREW	VIS BOMBEE ULF M06x20 8.8 BI FT		
29	130045	4	M12x25 GR. 8.8 STUD Black	GOUJON M12x25 8.8 ZI		
30	250031	5	TERMINAL CAP	CAPUCHON D'ETANCHEITE		
31	260077	1	POWER FUSE HOLDER	PORTE FUSIBLE DE PUISSANCE		
32	260147	1	ELECTRONIC CONTROLLER	VARIATEUR ELECTRONIQUE		
33	260255	1	STRAIN GAUGE	CAPTEUR A DEFORMATION		
34			NOT REQUIRED	NON REQUIS	B	
35			NOT REQUIRED	NON REQUIS	B	
36	300128	1	FITTING MALE BSPT 1/8-MALE JIC 7/16	RACCORD MALE BSPT 1/8-JIC 7/16		
37	300129	1	FITTING FEEDTHROUGH BSPP 1/8	TRAVERSEE DE CLOISON BSPP 1/8		
38	310057	1	GREASE FITTING 1/8 BSPT	GRAISSEUR BSPT 1/8		

## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-2. S/N SINCE/DEPUIS #13148 MAST 1 ASSEMBLY / ASSEMBLAGE MAT 1 (CONTINUED)**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
39	400018	6	PAIR 1/2 SHELL Ø12-12	PAIRE DEMI COQUILLE Ø12-12		
40	400045	4	SIMPLE CLAMP Ø16 mm	COLLIER SIMPLE Ø16 mm	C	
41	400046	8	PAIR 1/2 SHELL D12 mm	PAIRE DEMI COQUILLE D12 mm	C	
42	400047	5	SIMPLE CLAMP Ø12 mm	COLLIER SIMPLE Ø12 mm		
43	400058	1	DISTILLED WATER CAN KIT	KIT BIDON D'EAU DISTILLEE		
44	500002	1	SLEWING RING	COURONNE D'ORIENTATION		
45	DF0661	1	GREASING EXTENSION	RALLONGE DE GRAISSAGE		
46	DL0649	1	ADDITIONNAL RIGHT COUNTERWEIGHT	CONTREPOIDS ADDITIONNEL DROIT		
47	DL0650	1	ADDITIONNAL LEFT COUNTERWEIGHT	CONTREPOIDS ADDITIONNEL GAUCHE		
48	DL0735	1	MAST 1	MAT 1	B	
49	ST2322	1	COUNTERWEIGHT	CONTREPOIDS		
50	ST2477	1	GREASING HATCH	TRAPPE DE GRAISSAGE		
51	ST2485	1	STRAIN GAUGE CAP	COUVERCLE CAPTEUR A DEFORMATION		
52	US0190	16	dDH 13x20x02 HEAT TREATED WASHER	RONDELLE TRAITEE dDH 13x20x02		
53	260274	1	HORN	KLAXON	D	
54	PC0223	1	HARNESS ASSEMBLY-POWER SUPPLY	FAISCEAU ALIMENTATION	E	
55		1	SLEWING DRIVE ASSEMBLY	ASSEMBLAGE REDUCT. D'ORIENTATION		SP1203
56	SE0520	2	ROLLER ASSEMBLY	ASSEMBLAGE GALET	C	
57		1	LCB MOUNTING PLATE ASSEMBLY	ASSEMBLAGE PLATINE BOITIER BAS	C	SP1218

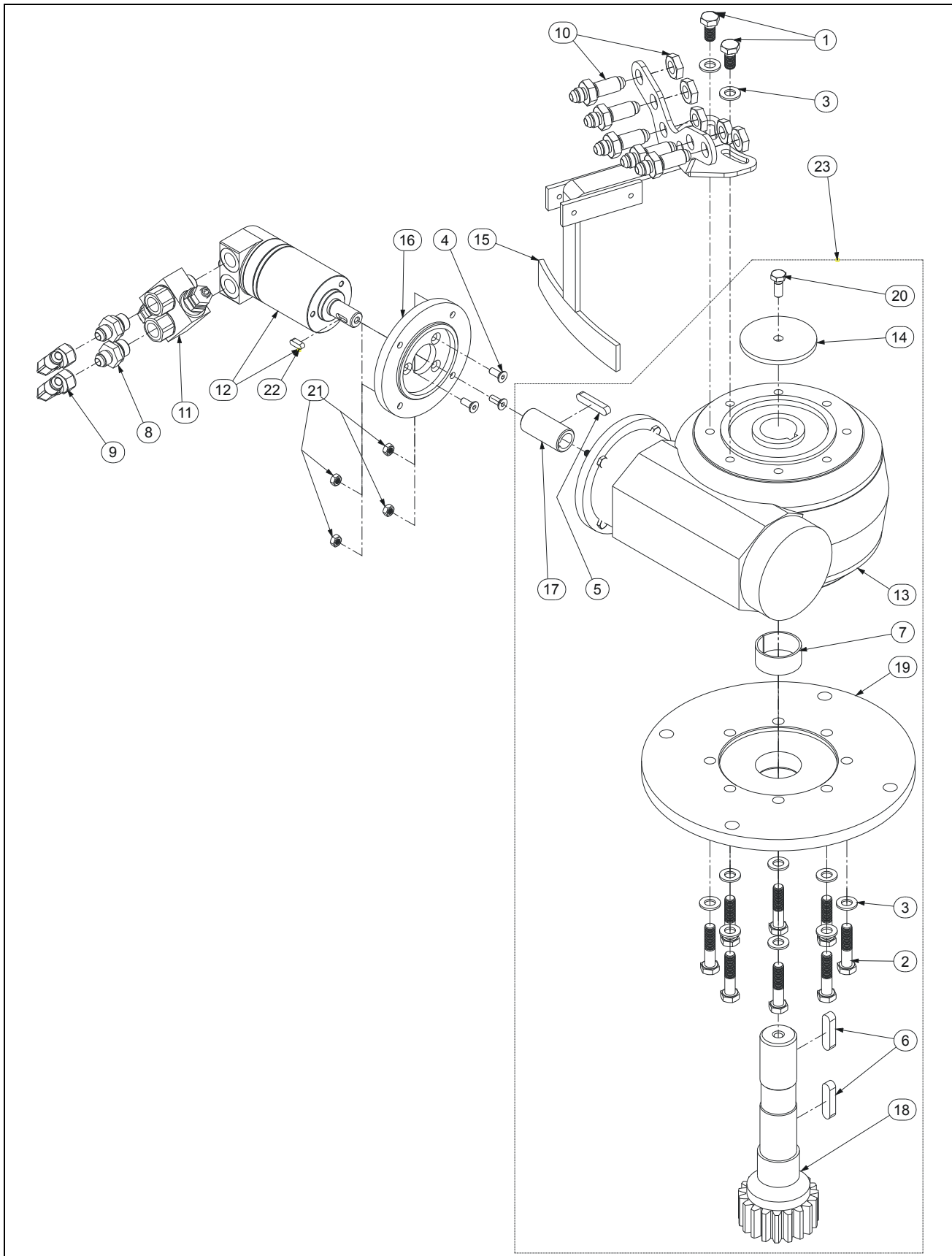
**SECTION 4 MASTS INSTALL /  
INSTALLATION MATS**

**FIGURE 4-1-2. S/N SINCE/DEPUIS #13148 MAST 1 ASSEMBLY / ASSEMBLAGE MAT 1 (CONTINUED)**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

# SECTION 4 MASTS INSTALL / INSTALLATION MATS

## FIGURE 4-1-2-1.SLEWING DRIVE ASSEMBLY / ASSEMBLAGE REDUCTEUR D'ORIENTATION



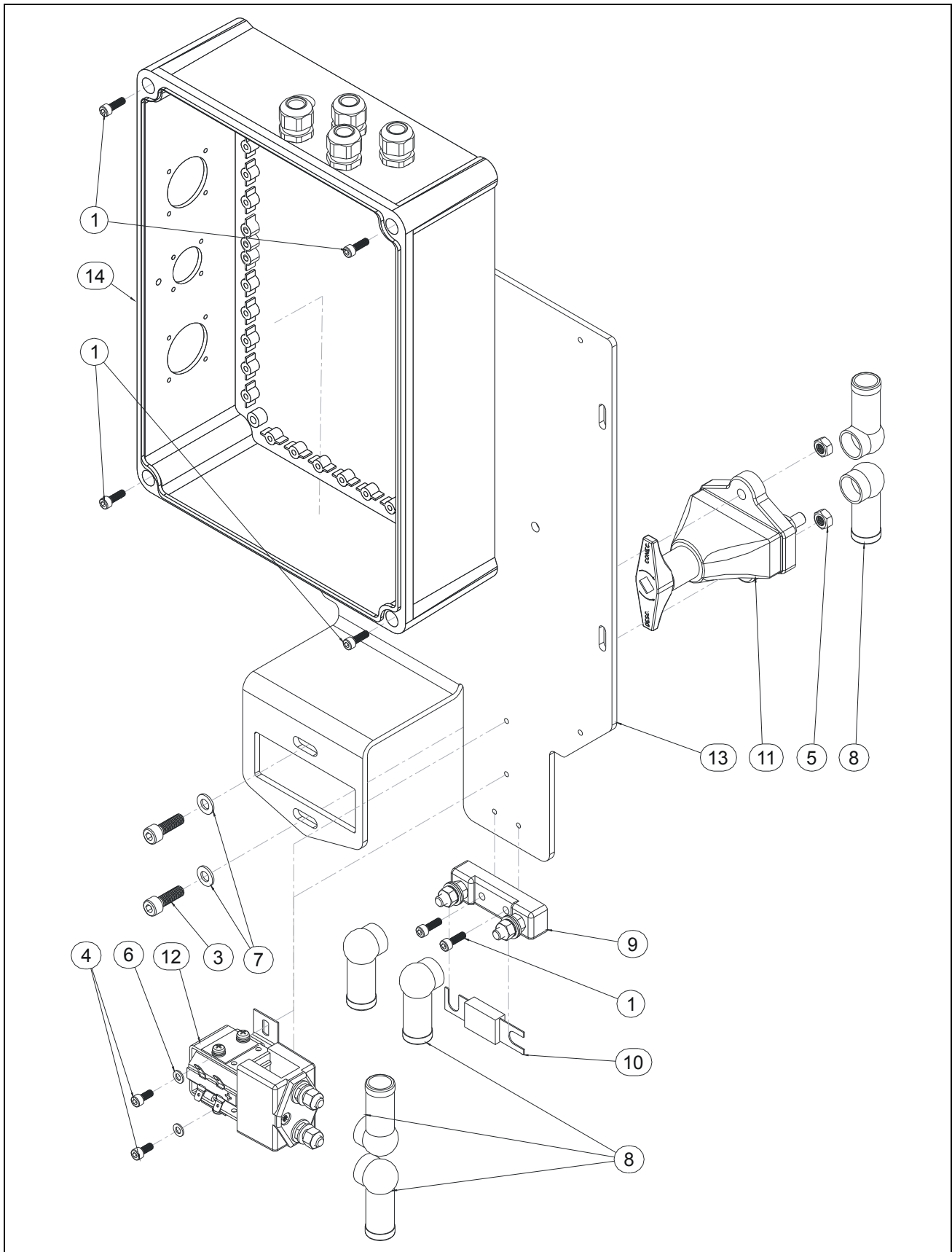
## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-2-1. SLEWING DRIVE ASSEMBLY / ASSEMBLAGE REDUCTEUR D'ORIENTATION**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>SLEWING DRIVE ASSEMBLY</b>	<b>ASSEMBLAGE REDUCT. D'ORIENTATION</b>	<b>B</b>	<b>SP1203</b>
1	100045	2	M10x20 8.8 HEX HEAD MACH SCREW Black	VIS H M10x20 8.8 BR FT	B	
2	100092	8	M10x45 8.8 HEX HEAD MACHINE SCREW	VIS H M10x45 8.8 BI FT		
3	120011	10	dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		
4	130003	3	M06x16 10.9 COUNTERSUNK HEAD M. S.	VIS FHC M06x16 10.9 BI FT		
5	140002	1	A KEY 8x6x40	CLAVETTE FORME A 8x6x40		
6	140003	2	A KEY 10x8x40	CLAVETTE FORME A 10x8x40		
7	150009	1	BUSHING D40 H20	BAGUE D40 H20		
8	300040	2	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
9	300067	2	90° ELBOW M JIC9/16 F JIC9/16 SWIVEL	COUDE Male JIC9/16 Fem JIC9/16 Tour- nant		
10	300089	5	BULKHEAD JIC 9/16	TRVERSE DE CLOISON JIC 9/16		
11	310084	1	DOUBLE RELIEF VALVE MANIFOLD	BLOC LIMITEUR DOUBLE	A	
12	320006	1	SLEWING MOTOR 32cc/rev	MOTEUR D'ORIENTATION 32cm <sup>3</sup> /tr	B	
13	500039	1	GEAR BOX i=56	REDUCTEUR i=56		
14	935001	1	GEAR BOX WASHER	RONDELLE REDUCTEUR		
15	SD0613	1	FITTING FEEDTHROUGH HOLDER	SUPPORT TRAVERSE DE CLOISON		
16	US0044	1	MOTOR ADAPTOR FLANGE	FLASQUE MOTEUR		
17	US0045	1	COUPLING	ACCOUPLLEMENT		
18	US0383	1	PINION	PIGNON		
19	US0451	1	GEAR BOX ADAPTOR FLANGE	FLASQUE REDUCTEUR		
20	100019	1	M08x20 8.8 HEX HEAD MACHINE SCREW	VIS H M08x20 8.8 BI FT	B	
21	110003	4	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI	B	
22	950006	1	KEY SLEWING MOTOR	CLAVETTE MOTEUR	B	
23	KT0068	1	SWING DRIVE WHITOUT MOTOR	REDUCTEUR SANS MOTEUR	B	

# SECTION 4 MASTS INSTALL / INSTALLATION MATS

## FIGURE 4-1-2-2.LCB MOUNTING PLATE ASSEMBLY / ASSEMBLAGE PLATINE BOITIER BAS





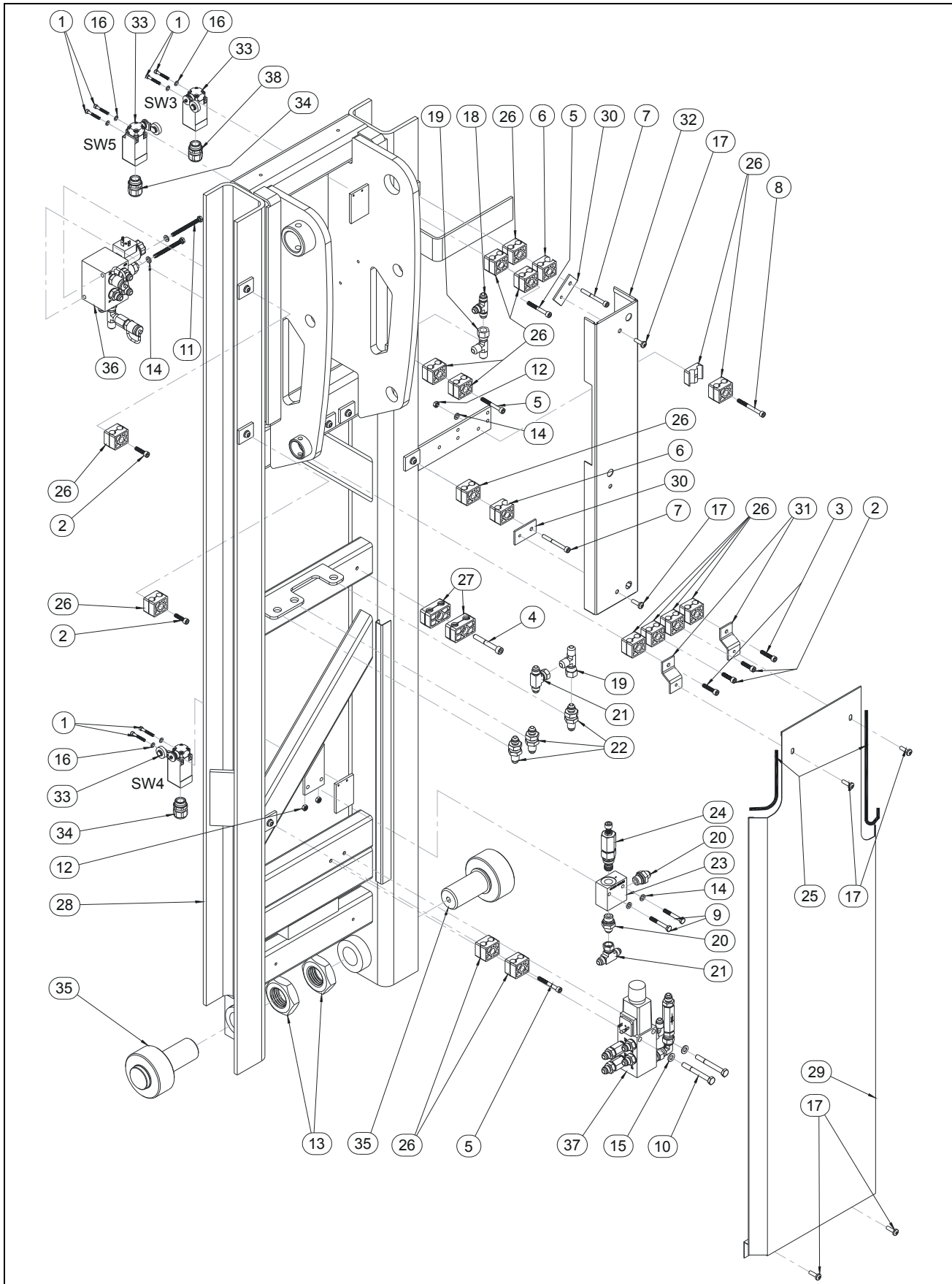
## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-2-2. LCB MOUNTING PLATE ASSEMBLY / ASSEMBLAGE PLATINE BOITIER BAS**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>LCB MOUNTING PLATE ASSEMBLY</b>	<b>ASSEMBLAGE PLATINE BOITIER BAS</b>	<b>C</b>	<b>SP1218</b>
1	000003	6	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT		
2			NOT REQUIRED	NON REQUIS		
3	000053	2	M08x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x25 8.8 BI FT		
4	000067	2	M05x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x12 8.8 BI FT		
5	110004	2	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI		
6	120002	2	M05 WASHER	RONDELLE M05 BI	B	
7	120010	2	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI		
8	250031	6	TERMINAL CAP	CAPUCHON D'ETANCHEITE		
9	260077	1	POWER FUSE HOLDER	PORTE FUSIBLE DE PUISSANCE		
10	260079	1	325A FUSE	FUSIBLE 325A		
11	260230	1	CIRCUIT BREAKER BY 1/4 TURN	COUPE CIRCUIT 1/4 DE TOUR		
12	SE1003	1	POWER RELAY	RELAIS DE PUISSANCE		
13	ST2395	1	S/N PRIOR #13148 PLATE	PLATINE AVANT N° 13148	C	
13	ST2889	1	S/N SINCE #13148 PLATE	PLATINE DEPUIS N° 13148	C	
14		1	LOWER CONTROL BOX ASSEMBLY	ASSEMBLAGE BOITIER BAS	C	SECTION 2

# SECTION 4 MASTS INSTALL / INSTALLATION MATS

## FIGURE 4-1-3. MAST 6 ASSEMBLY / ASSEMBLAGE MAT 6



## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-3. MAST 6 ASSEMBLY / ASSEMBLAGE MAT 6**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>MAST 6 ASSEMBLY</b>	<b>ASSEMBLAGE MAT 6</b>	<b>D</b>	<b>SP1332</b>
1	000007	6	M04x30 8.8 SOCKET HEAD CAPSCREW	VIS CHC M04x30 8.8 BI FP		
2	000008	4	M06x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x25 8.8 BI FT		
3	000016	2	M06x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x30 8.8 BI FT		
4	000024	1	M08x60 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x60 8.8 BI FT		
5	000026	3	M06x50 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x50 8.8 BI FP	B	
6	400092	2	PAIR 1/2 SHELL D12.7 / D15	PAIRE DEMI COQUILLE D12.7 / D15	B	
7	000076	2	M06x60 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x60 8.8 BI FP	B	
8	000073	1	M06x55 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x55 8.8 BI FP	B	
9	100004	2	M06x45 8.8 HEX HEAD MACHINE SCREW	VIS H M06x45 8.8 BI FT		
10	100025	2	M08x70 8.8 HEX HEAD CAPSCREW	VIS H M08x70 8.8 BI FP		
11	100032	2	M06x70 8.8 HEX HEAD CAPSCREW	VIS H M06x70 8.8 BI FP		
12	110003	3	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
13	110036	2	M42x4.5 GR. 4 FLAT HEX NUT	ECROU Hm M42x4.5 GR 4 BI		
14	120009	5	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		
15	120010	2	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI		
16	120024	6	M04 LOCK WASHER	RONDELLE CONTACT M04 BI		
17	130021	6	M06x20 8.8 ROUND HEAD MACH SCREW	VIS BOMBEE ULF M06x20 8.8 BI FT	B	
18	300028	1	TEE JIC 9/16	TE JIC 9/16		
19	300037	2	RUN TEE JIC 9/16 SWIVEL NUT	TE MALE JIC9/16-FEMELLE JIC9/16 TOUR.		
20	300040	2	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
21	300055	2	BRANCH TEE MALE JIC 9/16 SWIVEL NUT	TE Male JIC9/16 TOURNANT CENTRAL		
22	300089	3	BULKHEAD JIC 9/16	TRAVERSEE DE CLOISON JIC 9/16		
23	310075	1	DZ VALVE HOUSING	BLOC DE RACCORDEMENT DZ		
24	931003	1	Presetted PRESSURE SEQUENCE VALVE	SOUPAPE DE SEQUENCE PREREGLEE		
25	400007	1	EDGE GUARD (quantity indicated in meter)	PROFIL A ARMATURE (quantité en mètres)		
26	400018	16	PAIR 1/2 SHELL Ø12-12	PAIRE DEMI COQUILLE Ø12-12	B	
27	400033	2	PAIR 1/2 SHELL D12.7	PAIRE DEMI COQUILLE D12.7		
28	DL0656	1	S/N PRIOR #13154 MAST 6	MAT 6 AVANT N°13154	D	
28	DL0707	1	S/N SINCE #13154 MAST 6	MAT 6 DEPUIS N°13154	A	
29	SD0627	1	PROTECTION PLATE	TOLE DE PROTECTION		
30	ST2351	2	CHANNEL FIXATION	FIXATION DE GOULOTTE	B	
31	ST2553	2	PROTECTION PLATE BRACKET	EQUERRE FIXATION TOLE DE PROTECTION		
32	ST2624	1	CHANNEL	GOULOTTE		
33	260030	3	CROUZET - 2NC SWITCH PG13	CROUZET - CAPTEUR 2NF PE13	D	
33	260325	3	TELEMECANIQUE-2NC SWITCH PG11	TELEMECANIQUE-CAPTEUR 2NF PE11	D	
34	210019	2	CROUZET - GLAND N°13	CROUZET - PRESSE ETOUPE N°13	D	
34	210018	2	TELEMECANIQUE - GLAND N°11	TELEMECANIQUE - PRESSE ETOUPE N°11	D	
35	SE0520	2	ROLLER ASSEMBLY	ASSEMBLAGE GALET	C	

## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-3. MAST 6 ASSEMBLY / ASSEMBLAGE MAT 6 (CONTINUED)**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
36	SE0534	1	INCLINATION MANIFOLD ASSEMBLY	ASSEMBLAGE BLOC CORRECTION	D	SE0534
37	SE0568	1	PLATFORM ROTATION MANIFOLD ASSY	ASSEM. BLOC ROTATION PLATE-FORME	D	SE0568
38	210062	1	CROUZET - GLAND N°13 Ø5 IP65	CROUZET - PRESSE ETOUPE N°13 Ø5 IP65	D	
38	210018	1	TELEMECANIQUE - GLAND N°11	TELEMECANIQUE - PRESSE ETOUPE N°11	D	

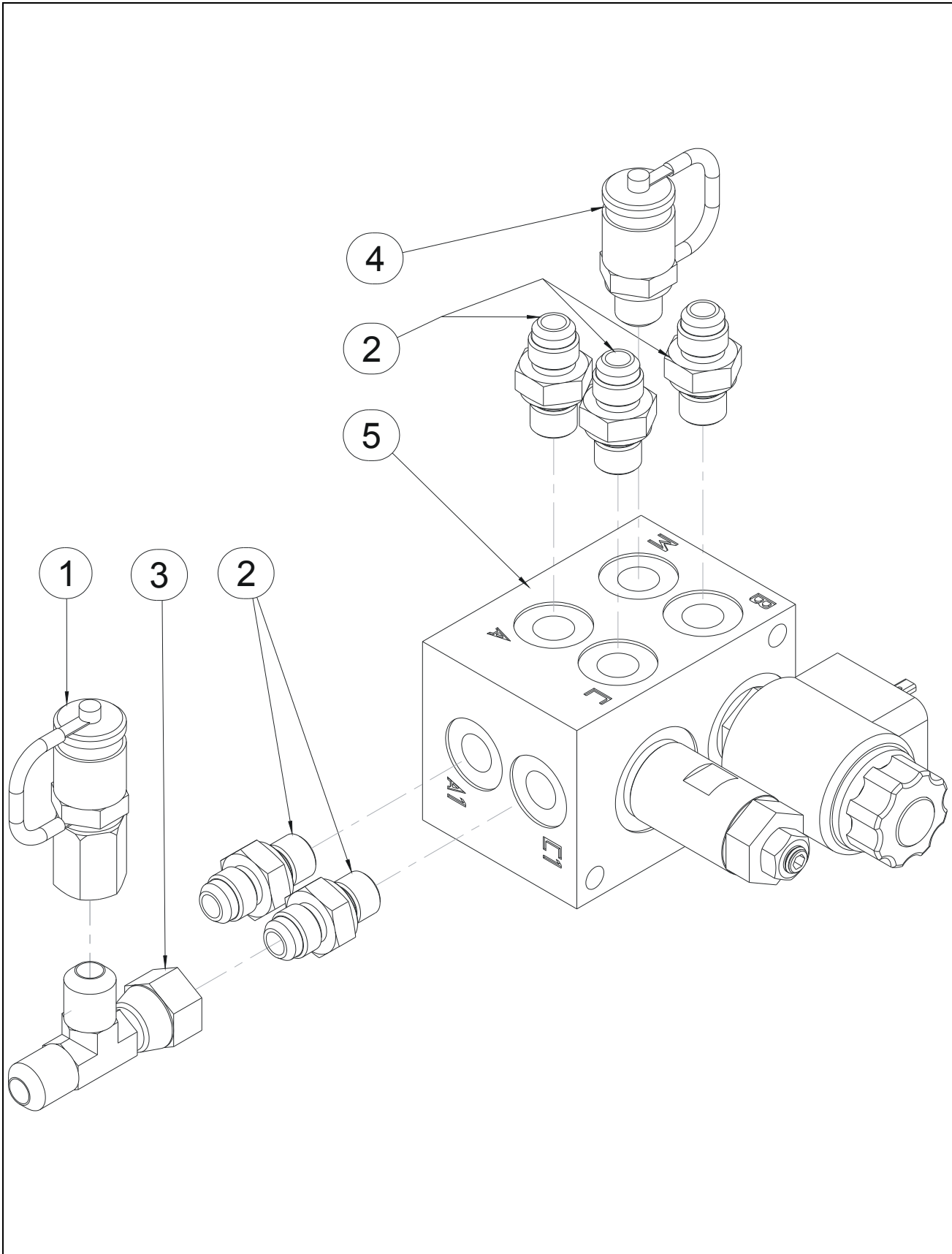
**SECTION 4 MASTS INSTALL /  
INSTALLATION MATS**

**FIGURE 4-1-3. MAST 6 ASSEMBLY / ASSEMBLAGE MAT 6 (CONTINUED)**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

# SECTION 4 MASTS INSTALL / INSTALLATION MATS

## FIGURE 4-1-3-1. INCLINATION MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC CORRECTION



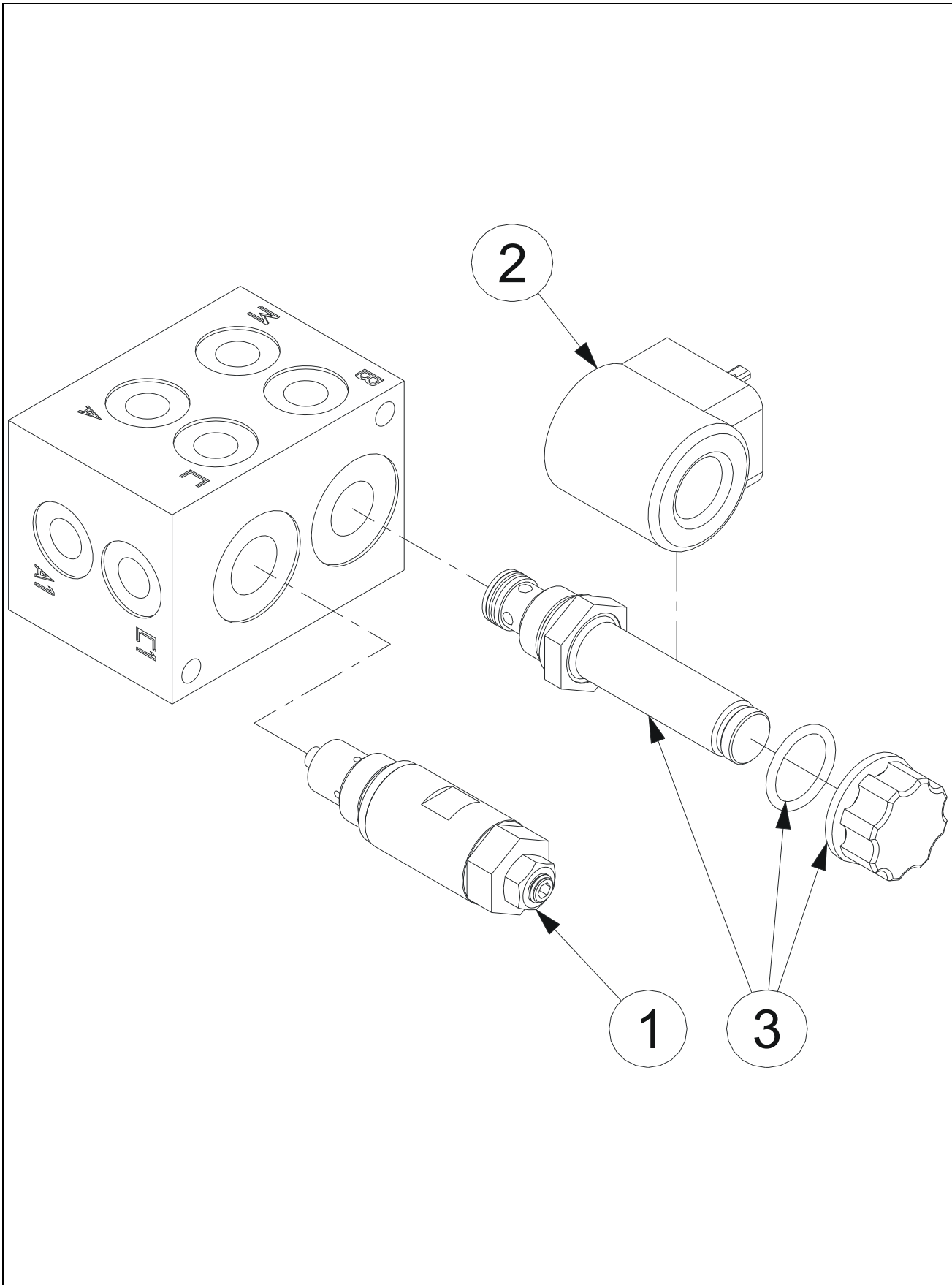
## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-3-1. INCLINATION MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC CORRECTION**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0534</b>		<b>INCLINATION MANIFOLD ASSEMBLY</b>	<b>ASSEMBLAGE BLOC CORRECTION</b>		<b>SE0534</b>
1	300004	1	PRESSURE TEST PLUG JIC9/16 SMK	PRISE DE PRESSION JIC 9/16 SMK		
2	300025	5	FITTING MALE BSPP1/4-MALE JIC9/16	RACCORD MALE BSPP1/4-MALE JIC9/16		
3	300037	1	RUN TEE JIC 9/16 SWIVEL NUT	TE MALE JIC9/16-FEMELLE JIC9/16 TOUR.		
4	300101	1	PRESSURE TEST PLUG BSPP1/4	PRISE DE PRESSION BSPP1/4		
5	520086	1	LEVELING MANIFOLD	BLOC CORRECTION		520086

**SECTION 4 MASTS INSTALL /  
INSTALLATION MATS**

**FIGURE 4-1-3-1-1.LEVELING MANIFOLD / BLOC CORRECTION**

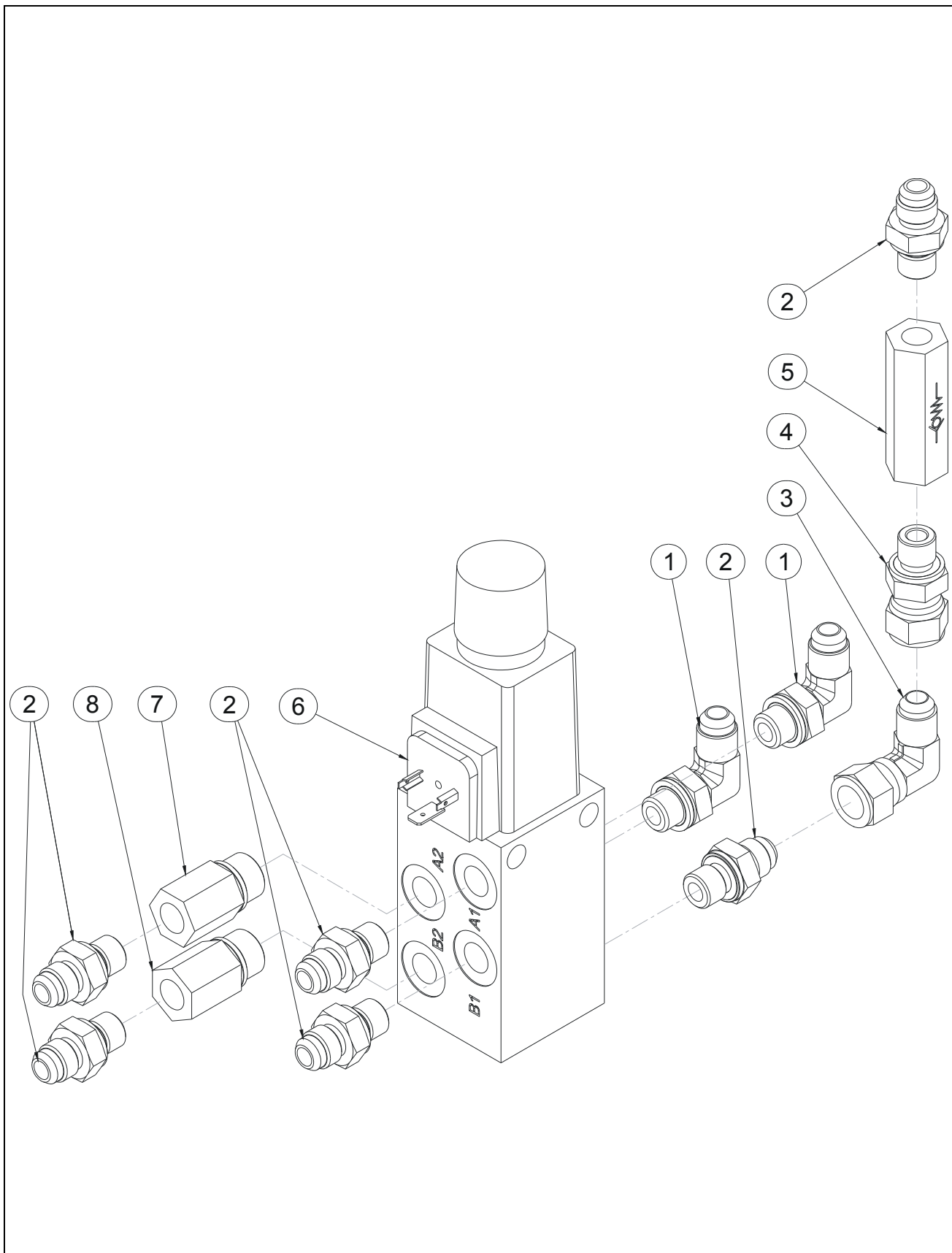






# SECTION 4 MASTS INSTALL / INSTALLATION MATS

## FIGURE 4-1-3-2.PLATFORM ROTATION MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC ROTATION PLATE-FORME



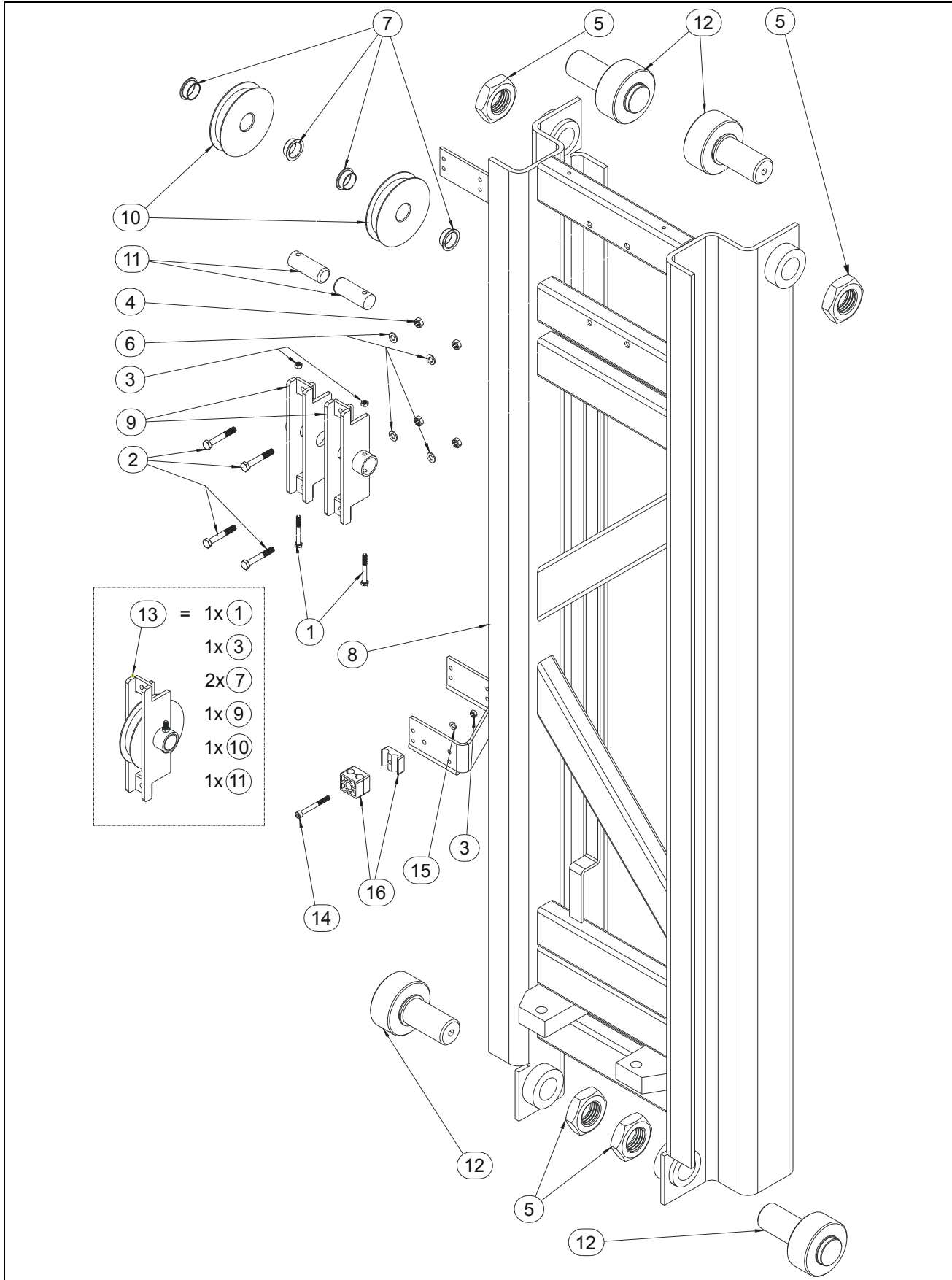
## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-3-2. PLATFORM ROTATION MANIFOLD ASSEMBLY / ASSEMBLAGE BLOC ROTATION  
PLATE-FORME**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>SE0568</b>		<b>PLATFORM ROTATION MANIFOLD ASSY</b>	<b>ASSEM. BLOC ROTATION PLATE-FORME</b>		<b>SE0568</b>
1	300001	2	90° ELBOW MALE BSPP 1/4-MALE JIC 9/16	COUDE 90° Male BSPP 1/4 -Male JIC 9/16		
2	300025	6	FITTING MALE BSPP1/4-MALE JIC9/16	RACCORD MALE BSPP1/4-MALE JIC9/16		
3	300067	1	90° ELBOW M JIC9/16 F JIC9/16 SWIVEL	COUDE Male JIC9/16 Fem JIC9/16 Tour- nant		
4	300073	1	FITTING MALE BSPP 1/4-FEMALE JIC 9/16	RACC. MALE BSPP 1/4 -FEM. JIC 9/16		
5	310060	1	CHECK VALVE	CLAPET ANTI RETOUR		
6	310079	1	PLATFORM ROTATION MANIFOLD	BLOC ROTATION PANIER		
7	310080	1	JET HOLDEUR 1/4" BSPP Ø1	PORTE GICLEUR 1/4" BSPP Ø1		
8	310081	1	JET HOLDEUR 1/4" BSPP Ø0.60	PORTE GICLEUR 1/4" BSPP Ø0.60		

# SECTION 4 MASTS INSTALL / INSTALLATION MATS

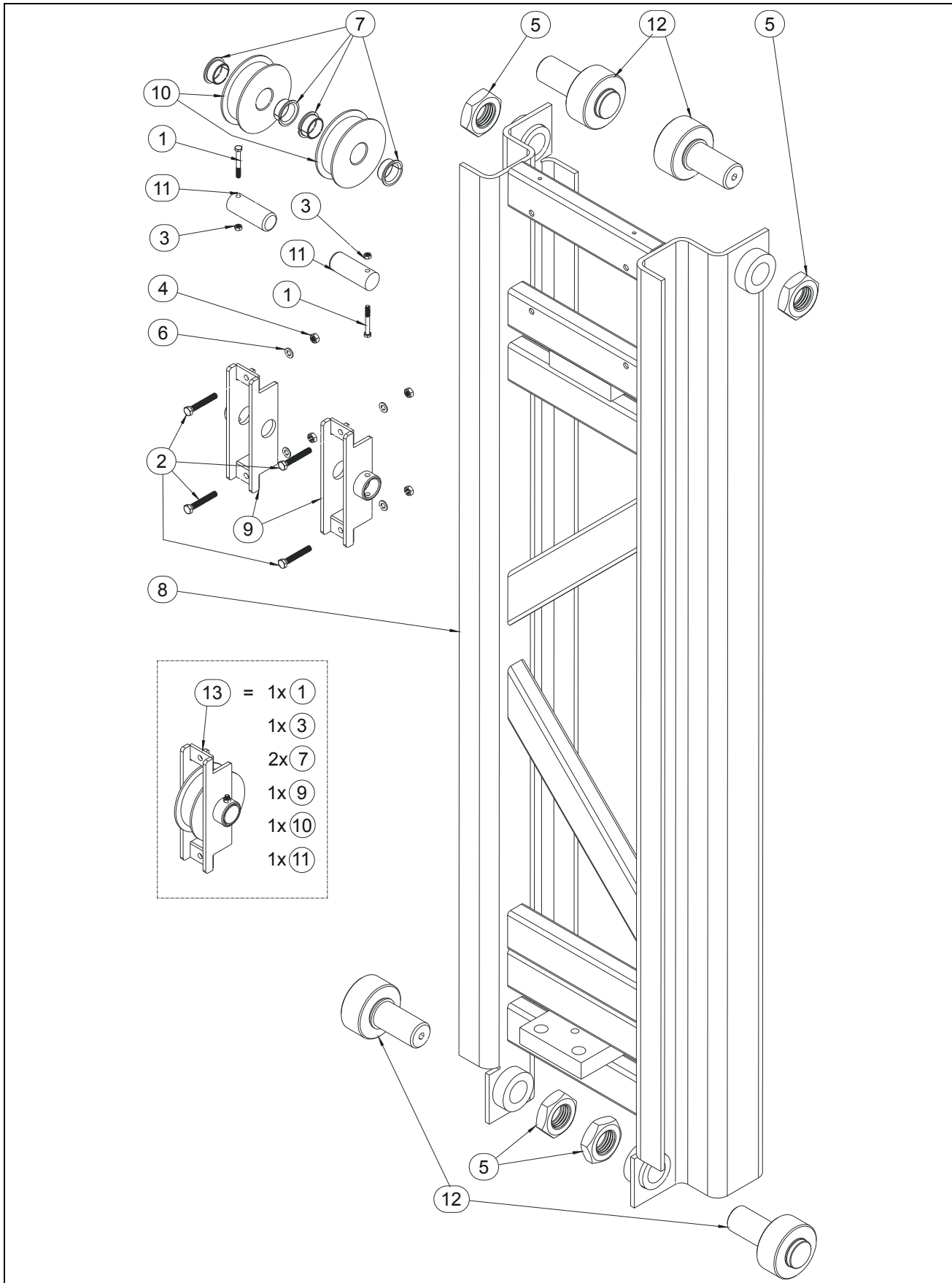
FIGURE 4-1-4. MAST 5 ASSEMBLY / ASSEMBLAGE MAT 5





# SECTION 4 MASTS INSTALL / INSTALLATION MATS

FIGURE 4-1-5. MAST 4 ASSEMBLY / ASSEMBLAGE MAT 4



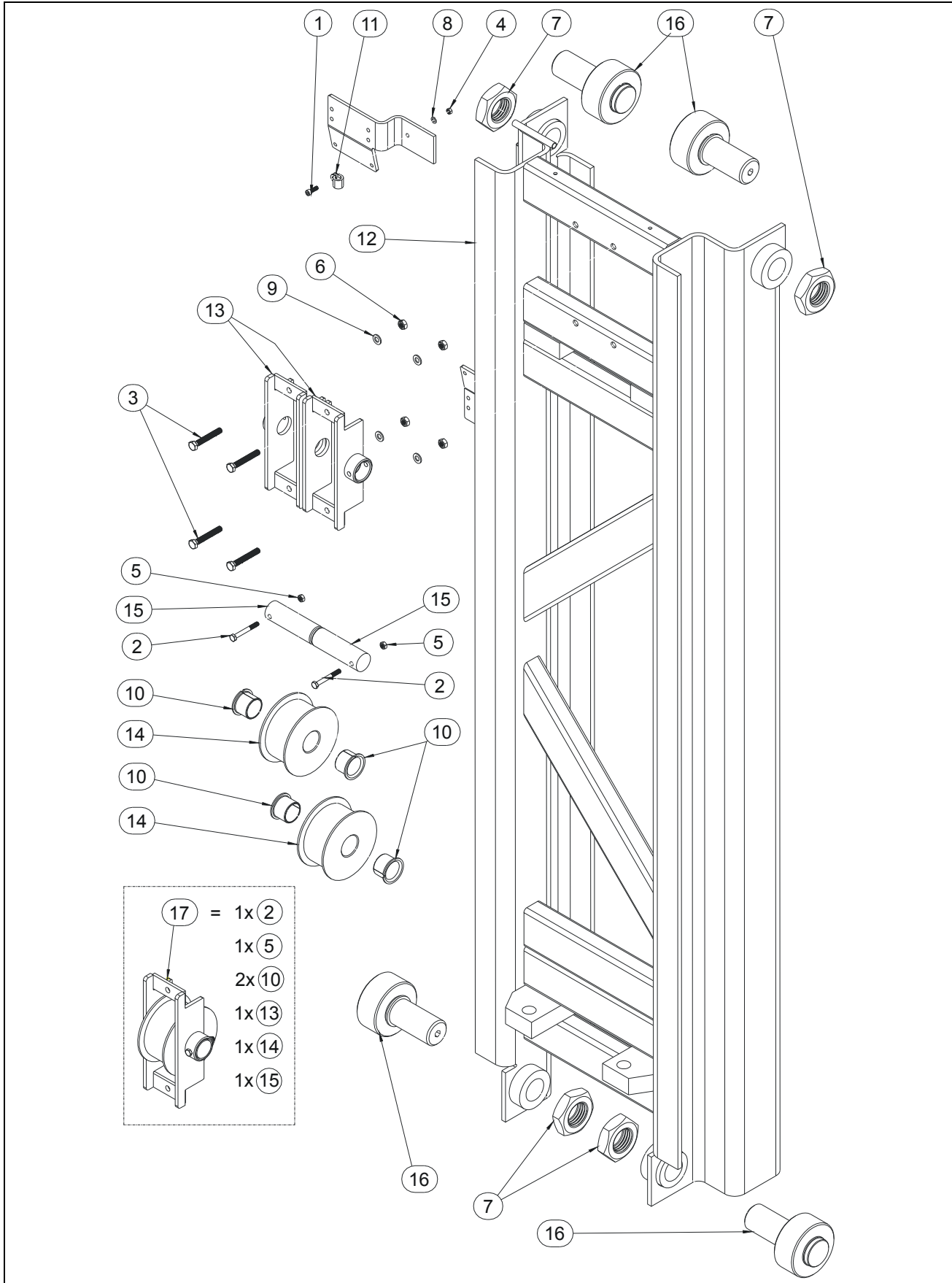
## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-5. MAST 4 ASSEMBLY / ASSEMBLAGE MAT 4**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION	REV	INFORMATION
			<b>MAST 4 ASSEMBLY</b>		
			<b>ASSEMBLAGE MAT 4</b>		
1	100013	2	M06x50 8.8 HEX HEAD CAPSCREW		
2	100040	4	M08x55 8.8 HEX HEAD CAPSCREW		
3	110003	2	M06 GR. 8.8 LOCK NUT		
4	110004	4	M08 GR. 8.8 LOCK NUT		
5	110036	4	M42x4.5 GR. 4 FLAT HEX NUT		
6	120010	4	dD 08x18 LOCK WASHER		
7	150007	4	FLANGE BUSHING Ø30 H16 DU		
8	DL0654	1	MAST 4		
9	SD0452	2	PULLEY MOUNT		
10	US0479	2	LL12-66 PULLEY		A
11	US0375	2	PULLEY PIN		
12	SE0520	4	ROLLER ASSEMBLY		B
13	SE0731	2	PULLEY ASSEMBLY LL12-66		
					SP1334

# SECTION 4 MASTS INSTALL / INSTALLATION MATS

FIGURE 4-1-6. MAST 3 ASSEMBLY / ASSEMBLAGE MAT 3





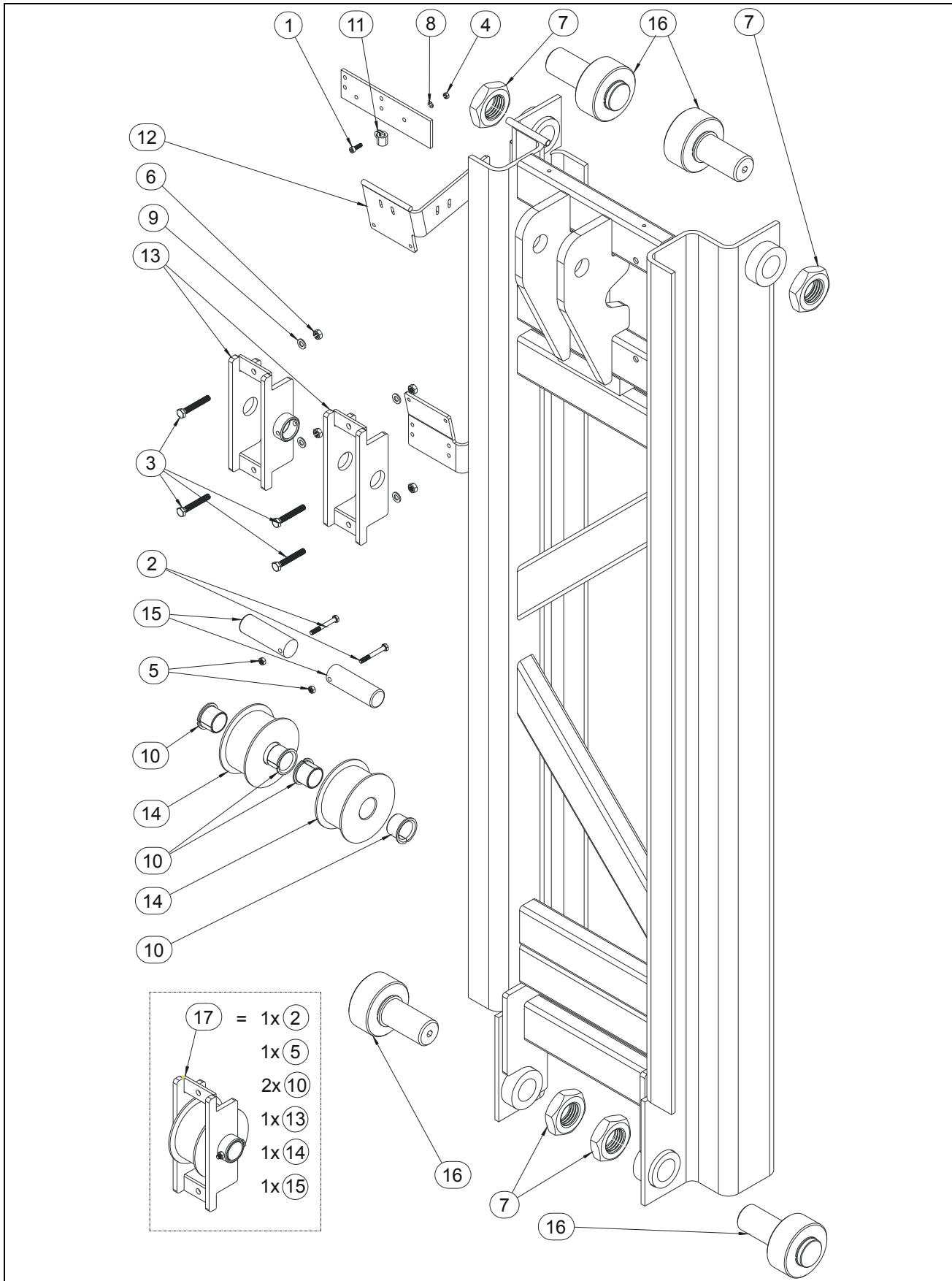
## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-6. MAST 3 ASSEMBLY / ASSEMBLAGE MAT 3**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>MAST 3 ASSEMBLY</b>	<b>ASSEMBLAGE MAT 3</b>	<b>C</b>	<b>SP1335</b>
1	000003	1	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT		
2	100013	2	M06x50 8.8 HEX HEAD CAP-SCREW	VIS H M06x50 8.8 BI FP		
3	100040	4	M08x55 8.8 HEX HEAD CAP-SCREW	VIS H M08x55 8.8 BI FP		
4	110002	1	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
5	110003	2	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
6	110004	4	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI		
7	110036	4	M42x4.5 GR. 4 FLAT HEX NUT	ECROU Hm M42x4.5 GR 4 BI		
8	120002	1	M05 WASHER	RONDELLE M05 BI		
9	120010	4	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI		
10	150006	4	FLANGE BUSHING Ø30 H26 DU	BAGUE EPAULEE Ø30 H26 DU		
11	400034	1	COLLAR	COLLIER		
12	DL0653	1	MAST 3	MAT 3		
13	SD0451	2	Prior December 2011 - PULLEY MOUNT	Avant Décembre 2011 - SUPPORT POULIE		
13	SD0605	2	Since December 2011 - PULLEY MOUNT	Depuis Décembre 2011 - SUPPORT POULIE	C	
14	US0478	2	PULLEY	POULIE	A	
15	US0376	2	Prior December 2011 - PULLEY PIN	Avant Décembre 2011 - AXE DE SUPPORT POULIE		
15	US0460	2	Since December 2011 - PULLEY PIN	Depuis Décembre 2011 - SAXE DE SUPPORT POULIE	C	
16	SE0520	4	ROLLER ASSEMBLY	ASSEMBLAGE GALET	B	
17	SE0733	2	PULLEY ASSEMBLY LH12-66 TH=8mm	ASSEMBLAGE SUPPORT POULIE LH12-66 EP=8mm	C	

# SECTION 4 MASTS INSTALL / INSTALLATION MATS

## FIGURE 4-1-7. MAST 2 ASSEMBLY / ASSEMBLAGE MAT 2



## SECTION 4 MASTS INSTALL / INSTALLATION MATS

**FIGURE 4-1-7. MAST 2 ASSEMBLY / ASSEMBLAGE MAT 2**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>MAST 2 ASSEMBLY</b>	<b>ASSEMBLAGE MAT 2</b>	<b>B</b>	<b>SP1336</b>
1	000003	1	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT		
2	100013	2	M06x50 8.8 HEX HEAD CAP- SCREW	VIS H M06x50 8.8 BI FP		
3	100040	4	M08x55 8.8 HEX HEAD CAP- SCREW	VIS H M08x55 8.8 BI FP		
4	110002	1	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
5	110003	2	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
6	110004	4	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI		
7	110036	4	M42x4.5 GR. 4 FLAT HEX NUT	ECROU Hm M42x4.5 GR 4 BI		
8	120002	1	M05 WASHER	RONDELLE M05 BI		
9	120010	4	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI		
10	150006	4	FLANGE BUSHING Ø30 H26 DU	BAGUE EPAULEE Ø30 H26 DU		
11	400034	1	COLLAR	COLLIER		
12	DL0652	1	MAST 2	MAT 2		
13	SD0605	2	PULLEY MOUNT	SUPPORT POULIE		
14	US0478	2	PULLEY	POULIE	A	
15	US0460	2	PULLEY PIN	AXE DE POULIE		
16	SE0520	4	ROLLER ASSEMBLY	ASSEMBLAGE GALET	B	
17	SE0733	2	PULLEY ASSEMBLY LH12-66 TH=8mm	ASSEMBLAGE SUPPORT POULIE LH12-66 EP=8mm		

# SECTION 4 MASTS INSTALL / INSTALLATION MATS

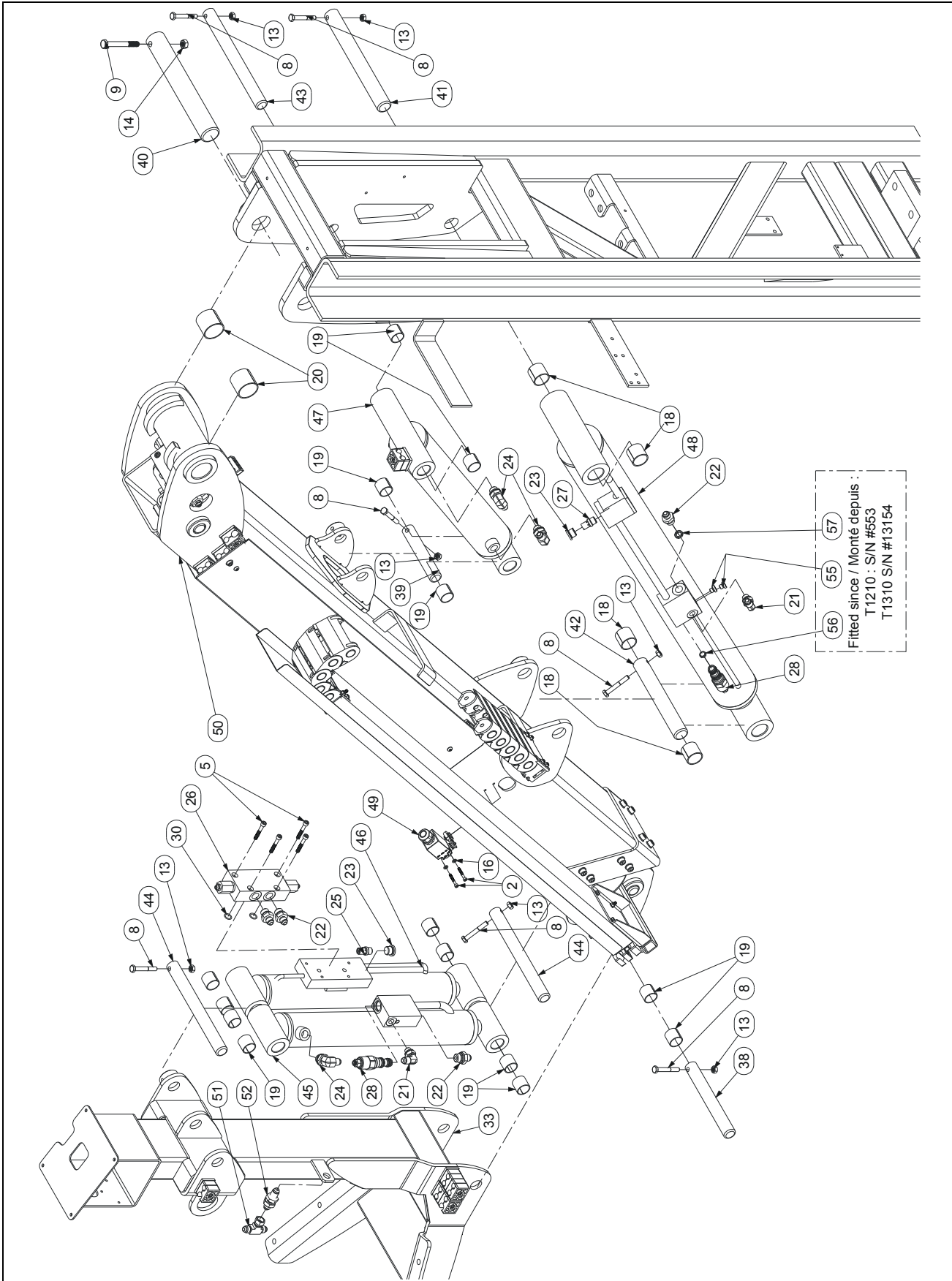
FIGURE 4-1-7. MAST 2 ASSEMBLY / ASSEMBLAGE MAT 2 (CONTINUED)

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

**SECTION 5  
JIB INSTALL /  
INSTALLATION BRAS**

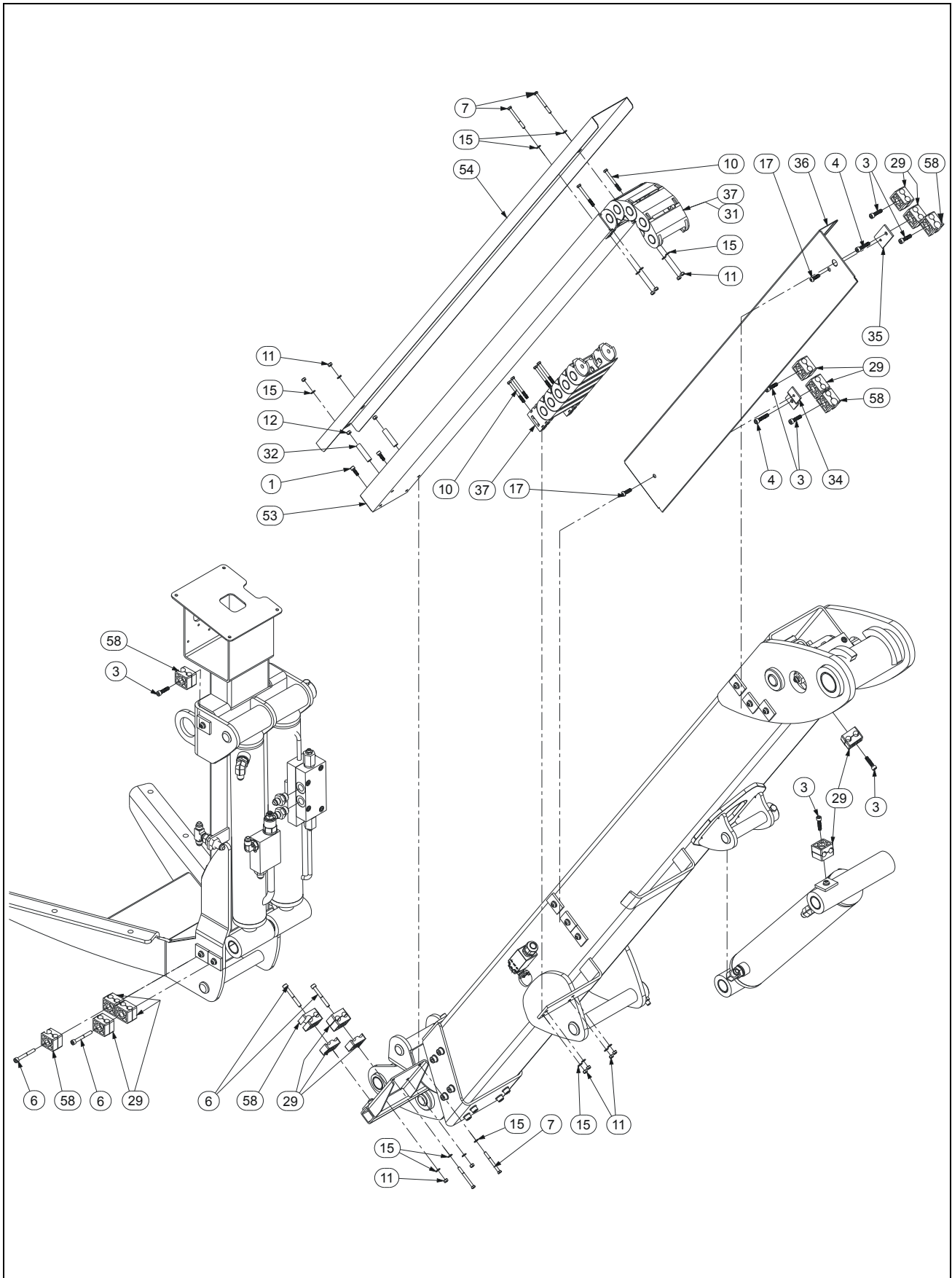
# SECTION 5 JIB INSTALL / INSTALLATION BRAS

FIGURE 5-1. S/N PRIOR #13166 JIB INSTALL / INSTALLATION BRAS



# SECTION 5 JIB INSTALL / INSTALLATION BRAS

## FIGURE 5-1. S/N PRIOR #13166 JIB INSTALL / INSTALLATION BRAS



## SECTION 5 JIB INSTALL / INSTALLATION BRAS

**FIGURE 5-1. S/N PRIOR #13166 JIB INSTALL / INSTALLATION BRAS**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>JIB INSTALL</b>	<b>INSTALLATION BRAS</b>	<b>E</b>	<b>SP1215</b>
1	000003	2	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT	D	
2	000007	2	M04x30 8.8 SOCKET HEAD CAPSCREW	VIS CHC M04x30 8.8 BI FP		
3	000008	7	M06x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x25 8.8 BI FT	E	
4	000016	2	M06x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x30 8.8 BI FT		
5	000017	4	M06x40 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x40 8.8 BI FT		
6	000026	4	M06x50 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x50 8.8 BI FP	B	
7	100148	4	M05x60 8.8 HEX HEAD MACHINE SCREW	VIS H M05x60 8.8 BI FT	D	
8	100040	7	M08x55 8.8 HEX HEAD CAPSCREW	VIS H M08x55 8.8 BI FP	C	
9	100091	1	M10x80 8.8 HEX HEAD CAPSCREW	VIS H M10x80 8.8 BI FP		
10	100145	6	M05x50 8.8 HEX HEAD MACHINE SCREW	VIS H M05x50 8.8 BI FT	D	
11	110002	12	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
12	110013	2	M05 GR. 8.8 HEX NUT	ECROU H M05 8.8 BI	E	
13	110004	7	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI	C	
14	110005	1	M10 GR. 8.8 LOCK NUT	ECROU FREIN M10 8.8 BI		
15	120002	16	M05 WASHER	RONDELLE M05 BI	D	
16	120024	2	M04 LOCK WASHER	RONDELLE CONTACT M04 BI		
17	130021	2	M06x20 8.8 ROUND HEAD MACH SCREW	VIS BOMBEE ULF M06x20 8.8 BI FT		
18	150001	4	BUSHING Ø30 H30 DX	BAGUE Ø30 H30 DX		
19	150002	14	BUSHING Ø25 H25 DX	BAGUE Ø25 H25 DX		
20	150003	2	BUSHING Ø40 H40 DX	BAGUE Ø40 H40 DX		
21	300001	2	90° ELBOW MALE BSPP 1/4-MALE JIC 9/16	COUDE 90° Male BSPP 1/4 -Male JIC 9/16		
22	300040	4	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
23	300047	2	CAP BSPP 3/8	BOUCHON BSPP 3/8		
24	300061	3	90° ELBOW MALE BSPP 3/8-MALE JIC 9/16	COUDE 90° MALE BSPP3/8-MALE JIC9/16		
25	310042	1	FLOW CONTROL VALVE 3L/mn	REGULATEUR DE DEBIT 3L/mn		
26	310045	1	COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE		
27	310037	1	FLOW REGULATOR VALVE 9L/mn	REGULATEUR DE DEBIT 9L/mn	B	
28	310077	2	COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE		
29	400018	11	PAIR 1/2 SHELL Ø12-12	PAIRE DEMI COQUILLE Ø12-12	E	
30	900120	1	SEAL KIT	KIT DE JOINTS		
31	920025	x	POWER BRIDGE LINK	MAILLON CHAINE PORTE CABLES		
32	DT0408	2	SPACER	ENTRETOISE	D	
33	DL0705	1	PLATFORM SUPPORT W/O ROTATION	SUPPORT PANIER SANS ROTATION	C	
34	ST2350	1	CHANNEL FIXATION	FIXATION DE GOULOTTE		
35	ST2351	1	CHANNEL FIXATION	FIXATION DE GOULOTTE		
36	ST2352	1	CHANNEL	GOULOTTE		
37	ST2449	1	TELESCOPE POWER BRIDGE	CHAINE PORTE CABLES TELESCOPE		
38	US0492	1	PIVOT PIN	AXE D'ARTICULATION	C	
39	US0493	1	PIVOT PIN	AXE D'ARTICULATION	C	



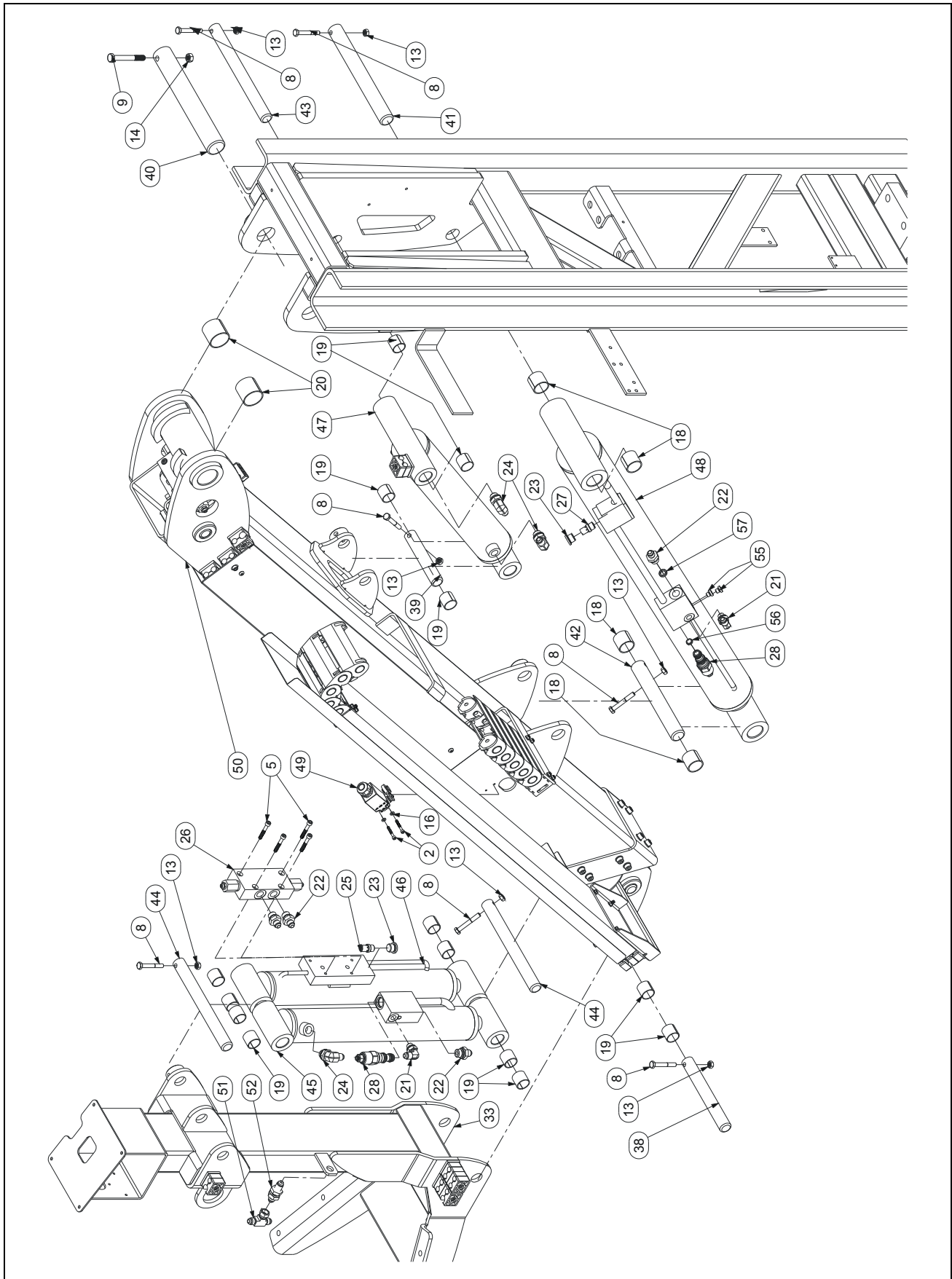
## SECTION 5 JIB INSTALL / INSTALLATION BRAS

**FIGURE 5-1. S/N PRIOR #13166 JIB INSTALL / INSTALLATION BRAS (CONTINUED)**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
40	US0457	1	JIB PIN	AXE DE BRAS		
41	US0458	1	JIB CYLINDER PIN	AXE DE VERIN DE BRAS		
42	US0459	1	JIB CYLINDER PIN	AXE DE VERIN DE BRAS		
43	US0490	1	MASTER CYLINDER PIN	AXE DE VERIN MAITRE	C	
44	US0491	2	SLAVE CYLINDER PIN	AXE DE VERIN ESCLAVE	C	
45		1	ASSISTANCE CYLINDER	VERIN D' ASSISTANCE		APPENDIX A
46		1	SLAVE CYLINDER	VERIN ESCLAVE		APPENDIX A
47		1	MASTER CYLINDER	VERIN MAITRE		APPENDIX A
48		1	JIB CYLINDER	VERIN DE BRAS		APPENDIX A
49	260030	1	2NC SWITCH	CAPTEUR 2NF	E	
49	210019	1	GLAND N°13	PRESSE ETOUPE N°13	E	
50		1	TELESCOPE ASSEMBLY	ASSEMBLAGE TELESCOPE		SP1214
51	300055	1	BRANCH TEE MALE JIC 9/16 SWIVEL NUT	TE Male JIC9/16 TOURNANT CENTRAL	B	
52	300089	1	BULKHEAD JIC 9/16	TRAVERSEE DE CLOISON JIC 9/16	B	
53	ST2739	1	HOSE GUARD CHANNEL	GOULOTTE	D	
54	ST2740	1	HOSE GUARD COVER	COUVERCLE GOULOTTE	D	
55	300163	2	PLUG BSPP 1/8	BOUCHON BSPP 1/8	E	
56	310091	1	SEEVE 1/4 BSPP MESH 0.1mm	TAMIS 1/4 BSPP MAILLE 0.1mm	E	
57	310092	1	SEEVE 3/8 BSPP MESH 0.1mm	TAMIS 3/8 BSPP MAILLE 0.1mm	E	
58	400092	5	PAIR 1/2 SHELL D12.7 / D15	PAIRE DEMI COQUILLE D12.7 / D15	E	

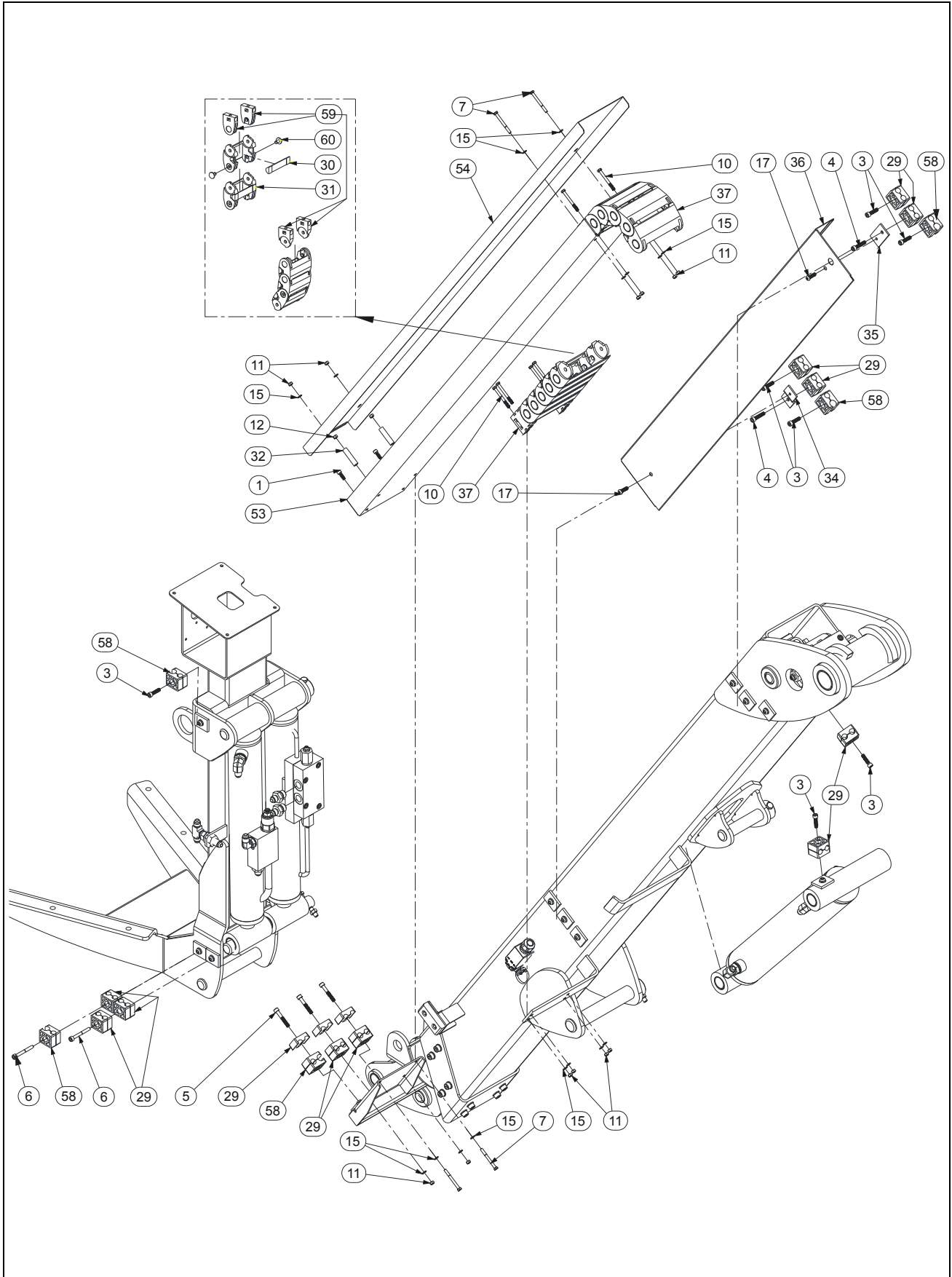
# SECTION 5 JIB INSTALL / INSTALLATION BRAS

## FIGURE 5-2. S/N SINCE/DEPUIS #13166 JIB INSTALL / INSTALLATION BRAS



# SECTION 5 JIB INSTALL / INSTALLATION BRAS

## FIGURE 5-2. S/N SINCE/DEPUIS #13166 JIB INSTALL / INSTALLATION BRAS



## SECTION 5 JIB INSTALL / INSTALLATION BRAS

**FIGURE 5-2. S/N SINCE/DEPUIS #13166 JIB INSTALL / INSTALLATION BRAS**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>JIB INSTALL</b>	<b>INSTALLATION BRAS</b>	<b>F</b>	<b>SP1215</b>
1	000003	2	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT	D	
2	000007	2	M04x30 8.8 SOCKET HEAD CAPSCREW	VIS CHC M04x30 8.8 BI FP		
3	000008	7	M06x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x25 8.8 BI FT	E	
4	000016	2	M06x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x30 8.8 BI FT		
5	000017	7	M06x40 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x40 8.8 BI FT	F	
6	000026	2	M06x50 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x50 8.8 BI FP	F	
7	100148	4	M05x60 8.8 HEX HEAD MACHINE SCREW	VIS H M05x60 8.8 BI FT	D	
8	100040	7	M08x55 8.8 HEX HEAD CAPSCREW	VIS H M08x55 8.8 BI FP	C	
9	100091	1	M10x80 8.8 HEX HEAD CAPSCREW	VIS H M10x80 8.8 BI FP		
10	100145	6	M05x50 8.8 HEX HEAD MACHINE SCREW	VIS H M05x50 8.8 BI FT	D	
11	110002	12	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
12	110013	2	M05 GR. 8.8 HEX NUT	ECROU H M05 8.8 BI	E	
13	110004	7	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI	C	
14	110005	1	M10 GR. 8.8 LOCK NUT	ECROU FREIN M10 8.8 BI		
15	120002	16	M05 WASHER	RONDELLE M05 BI	D	
16	120024	2	M04 LOCK WASHER	RONDELLE CONTACT M04 BI		
17	130021	2	M06x20 8.8 ROUND HEAD MACH SCREW	VIS BOMBEE ULF M06x20 8.8 BI FT		
18	150001	4	BUSHING Ø30 H30 DX	BAGUE Ø30 H30 DX		
19	150002	14	BUSHING Ø25 H25 DX	BAGUE Ø25 H25 DX		
20	150003	2	BUSHING Ø40 H40 DX	BAGUE Ø40 H40 DX		
21	300001	2	90° ELBOW MALE BSPP 1/4-MALE JIC 9/16	COUDE 90° Male BSPP 1/4 -Male JIC 9/16		
22	300040	4	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
23	300047	2	CAP BSPP 3/8	BOUCHON BSPP 3/8		
24	300061	3	90° ELBOW MALE BSPP 3/8-MALE JIC 9/16	COUDE 90° MALE BSPP3/8-MALE JIC9/16		
25	310042	1	FLOW CONTROL VALVE 3L/mn	REGULATEUR DE DEBIT 3L/mn		
26	310093	1	DOUBLE COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE DOUBLE	F	
27	310037	1	FLOW REGULATOR VALVE 9L/mn	REGULATEUR DE DEBIT 9L/mn	B	
28	310077	2	COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE		
29	400018	13	PAIR 1/2 SHELL Ø12-12	PAIRE DEMI COQUILLE Ø12-12	E	
30	920071	x	SR355A095 POWER BRIDGE CLIP	CLIP CHAINE PORTE-CABLE SR355A095	F	
31	920070	x	SR355A095 POWER BRIDGE LINK	MAILLON CHAINE PORTE-CBL SR355A095	F	
32	DT0408	2	SPACER	ENTRETOISE	D	
33	DL0705	1	PLATFORM SUPPORT W/O ROTATION	SUPPORT PANIER SANS ROTATION	C	
34	ST2350	1	CHANNEL FIXATION	FIXATION DE GOULOTTE		
35	ST2351	1	CHANNEL FIXATION	FIXATION DE GOULOTTE		
36	ST2352	1	CHANNEL	GOULOTTE		
37	ST2989	1	TELESCOPE POWER BRIDGE	CHAINE PORTE CABLES TELESCOPE	F	F
38	US0492	1	PIVOT PIN	AXE D'ARTICULATION	C	

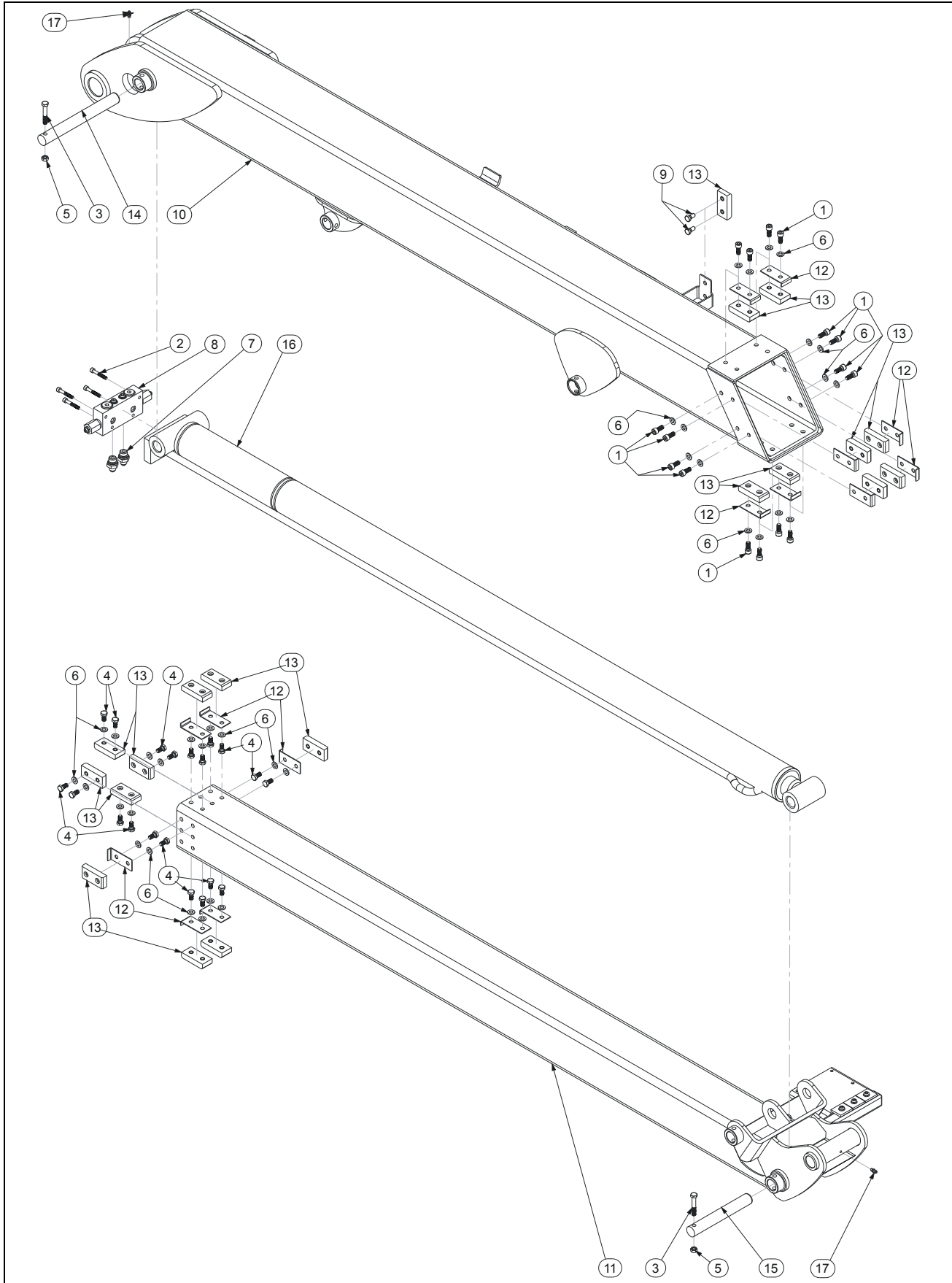
## SECTION 5 JIB INSTALL / INSTALLATION BRAS

**FIGURE 5-2. S/N SINCE/DEPUIS #13166 JIB INSTALL / INSTALLATION BRAS (CONTINUED)**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
39	US0493	1	PIVOT PIN	AXE D'ARTICULATION	C	
40	US0457	1	JIB PIN	AXE DE BRAS		
41	US0458	1	JIB CYLINDER PIN	AXE DE VERIN DE BRAS		
42	US0459	1	JIB CYLINDER PIN	AXE DE VERIN DE BRAS		
43	US0490	1	MASTER CYLINDER PIN	AXE DE VERIN MAITRE	C	
44	US0491	2	SLAVE CYLINDER PIN	AXE DE VERIN ESCLAVE	C	
45		1	ASSISTANCE CYLINDER	VERIN D' ASSISTANCE		APPENDIX A
46		1	SLAVE CYLINDER	VERIN ESCLAVE		APPENDIX A
47		1	MASTER CYLINDER	VERIN MAITRE		APPENDIX A
48		1	JIB CYLINDER	VERIN DE BRAS		APPENDIX A
49	260030	1	CROUZET - 2NC SWITCH PG13	CROUZET - CAPTEUR 2NF PE13	E	
49	260325	1	TELEMECANIQUE-2NC SWITCH PG11	TELEMECANIQUE-CAPTEUR 2NF PE11	F	
49	210019	1	CROUZET - GLAND N°13	CROUZET - PRESSE ETOUPE N°13	E	
49	210018	1	TELEMECANIQUE - GLAND N°11	TELEMECANIQUE - PRESSE ETOUPE N°11	F	
50		1	TELESCOPE ASSEMBLY	ASSEMBLAGE TELESCOPE		SP1214
51	300055	1	BRANCH TEE MALE JIC 9/16 SWIVEL NUT	TE Male JIC9/16 TOURNANT CENTRAL	B	
52	300089	1	BULKHEAD JIC 9/16	TRAVERSEE DE CLOISON JIC 9/16	B	
53	ST2990	1	HOSE GUARD CHANNEL	GOULOTTE	F	
54	ST2991	1	HOSE GUARD COVER	COUVERCLE GOULOTTE	F	
55	300163	2	PLUG BSPP 1/8	BOUCHON BSPP 1/8	E	
56	310091	1	SEEVE 1/4 BSPP MESH 0.1mm	TAMIS 1/4 BSPP MAILLE 0.1mm	E	
57	310092	1	SEEVE 3/8 BSPP MESH 0.1mm	TAMIS 3/8 BSPP MAILLE 0.1mm	E	
58	400092	5	PAIR 1/2 SHELL D12.7 / D15	PAIRE DEMI COQUILLE D12.7 / D15	E	
59	920072	x	SR355 POWER BRIDGE ATTACHMENT KIT	KIT ATTACHES CHAINE PORTE CBL SR355	F	
60	920074	x	PG355 POWER BRIDGE PIN	AXE CHAINE PORTE-CABLE PG355	F	

# SECTION 5 JIB INSTALL / INSTALLATION BRAS

## FIGURE 5-2-1. TELESCOPE ASSEMBLY / ASSEMBLAGE TELESCOPE



## SECTION 5 JIB INSTALL / INSTALLATION BRAS

**FIGURE 5-2-1. TELESCOPE ASSEMBLY / ASSEMBLAGE TELESCOPE**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>TELESCOPE ASSEMBLY</b>	<b>ASSEMBLAGE TELESCOPE</b>	<b>F</b>	<b>SP1214</b>
1	000006	16	M08x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x20 8.8 BI FT		
2	000017	4	M06x40 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x40 8.8 BI FT		
3	100040	2	M08x55 8.8 HEX HEAD CAPSCREW	VIS H M08x55 8.8 BI FP	C	
4	100054	20	M08x16 8.8 HEX HEAD MACHINE SCREW	VIS H M08x16 8.8 BI FT	D	
5	110004	2	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI	C	
6	120010	36	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI	D	
7	300040	2	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
8	310093	1	DOUBLE COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE DOUBLE	E	
9	100053	2	M08x12 8.8 HEX HEAD MACHINE SCREW	VIS H M08x12 8.8 BI FT	E	
10	DL0771	1	JIB	BRAS	E	
11	DL0702	1	S/N PRIOR #A300013166 TELESCOPE	TELESCOPE AVANT N° A300013166	F	
11	DL0772	1	S/N SINCE #A300013166 TELESCOPE	TELESCOPE DEPUIS N° A300013166	F	
12	ST2427	x	SHIM 1mm	CALE 1mm		
12	ST2428	x	SHIM 1.5mm	CALE 1.5mm		
13	ST2429	19	SLIDING BLOCK	PATIN	D	
14	US0494	1	TELESCOPE CYLINDER PIN	AXE VERIN TELESCOPE	C	
15	US0495	1	TELESCOPE CYLINDER PIN	AXE VERIN TELESCOPE	C	
16		1	TELESCOPE CYLINDER	VERIN DE TELESCOPE		APPENDIX A
17	310099	2	GREASE NIPPLE M6	GRAISSEUR COURT M6	E	

# SECTION 5 JIB INSTALL / INSTALLATION BRAS

FIGURE 5-2-1. TELESCOPE ASSEMBLY / ASSEMBLAGE TELESCOPE (CONTINUED)

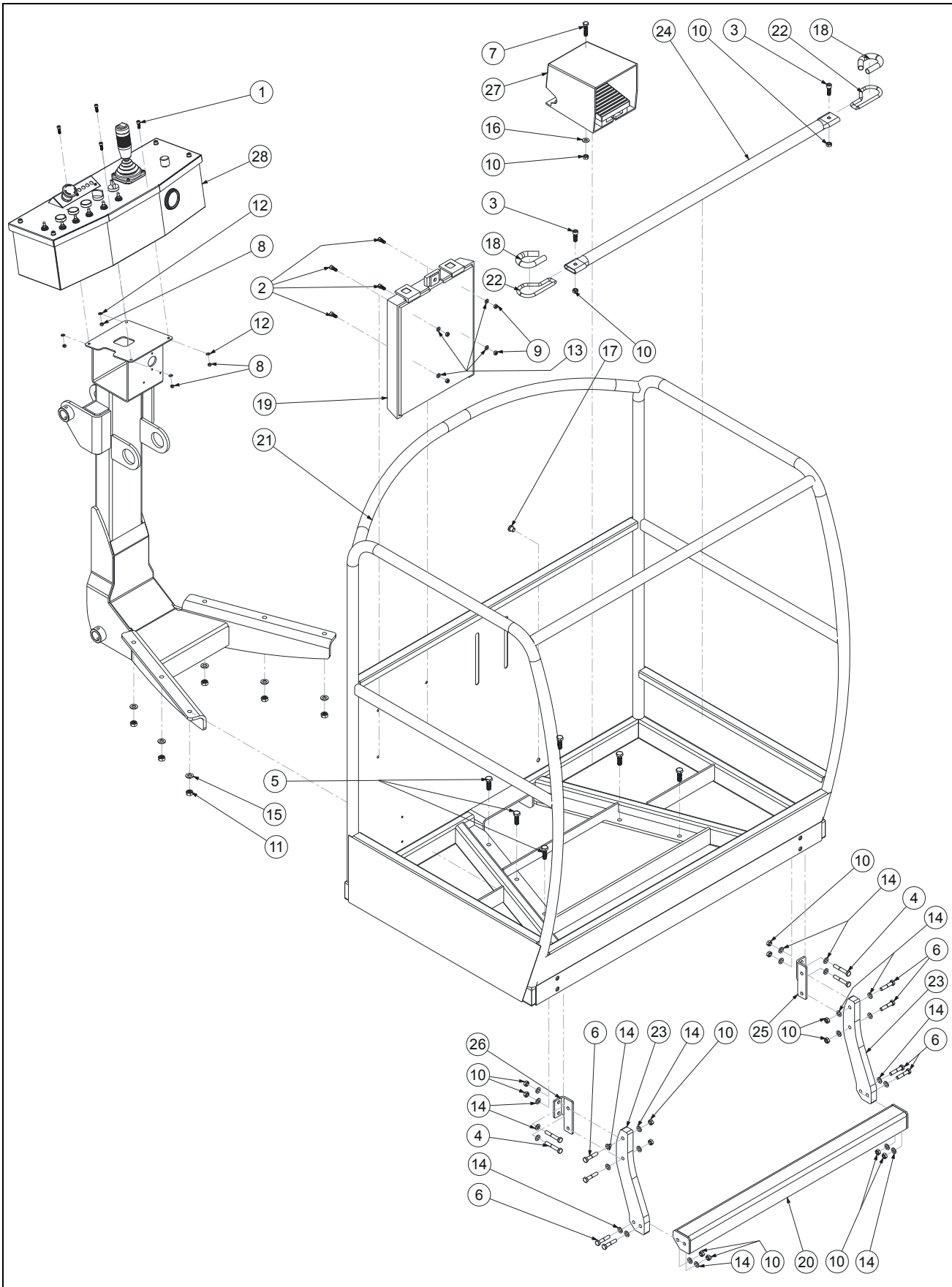
DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION



**SECTION 6**  
**PLATFORM INSTALL /**  
**INSTALLATION PLATE-FORME**

# SECTION 6 PLATFORM INSTALL / INSTALLATION PLATE-FORME

## FIGURE 6-1. PLATFORM INSTALL / INSTALLATION PLATE-FORME



## SECTION 6 PLATFORM INSTALL / INSTALLATION PLATE-FORME

**FIGURE 6-1. PLATFORM INSTALL / INSTALLATION PLATE-FORME**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>PLATFORM INSTALL</b>	<b>INSTALLATION PLATE-FORME</b>		<b>SP1320</b>
1	000003	4	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT		
2	000014	4	M06x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x12 8.8 BI FT		
3	000006	2	M08x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x20 8.8 BI FT		
4	100007	4	M08x50 8.8 HEX HEAD CAPSCREW	VIS H M08x50 8.8 BI FP		
5	100009	6	M10x30 8.8 HEX HEAD MACHINE SCREW	VIS H M10x30 8.8 BI FT		
6	100029	8	M08x40 8.8 HEX HEAD MACHINE SCREW	VIS H M08x40 8.8 BI FT		
7	100050	1	M08x35 8.8 HEX HEAD CAPSCREW	VIS H M08x35 8.8 BI FP		
8	110002	4	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
9	110003	4	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
10	110004	15	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI		
11	110005	6	M10 GR. 8.8 LOCK NUT	ECROU FREIN M10 8.8 BI		
12	120002	4	M05 WASHER	RONDELLE M05 BI		
13	120004	4	dD 06x25 WASHER	RONDELLE dD 06x25x1.2 BI		
14	120010	24	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI		
15	120011	6	dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		
16	120026	1	dD 08x40 WASHER	RONDELLE dD 08x40 BI		
17	250051	1	CHANNEL D11.5	PASSE FIL D11.5		
18	280023	2x0.18	PROTECTION SLEEVE (quantity in meter)	GAINE DE PROTECTION (qté en mètre)		
19	7348000653	1	MANUAL BOX	BOITE PORTE DOCUMENTS		
20	DL0512	1	STEP	MARCHE		
21	DL0664	1	PLATFORM	PLATEFORME		
22	ST0736	2	SLIDING GATE LOOP	ANNEAU PORTILLON		
23	ST1856	2	FLEXIBLE FRAME	MONTANT SOUPLE		
24	ST2407	1	SLIDING GATE	PORTILLON		
25	ST2598	1	RIGHT FLEXIBLE FRAME BRACKET	EQUERRE DROITE MONTANT SOUPLE		
26	ST2599	1	LEFT FLEXIBLE FRAME BRACKET	EQUERRE GAUCHE MONTANT SOUPLE		
27	260103	1	FOOT SWITCH	PEDALE		
27	250047	1	16/13 REDUCTION	REDUCTION 16/13		
27	210062	1	GLAND N°13 Ø5 IP65	PRESSE ETOUPE N°13 Ø5 IP65		
27	910038	1	FOOT SW. CONTACT (included in 260103)	CONTACT PEDALE (inclus dans 260103)		
28		1	UPPER CONTROL BOX ASSEMBLY	ASSEMBLAGE BOITIER HAUT		SECTION 2

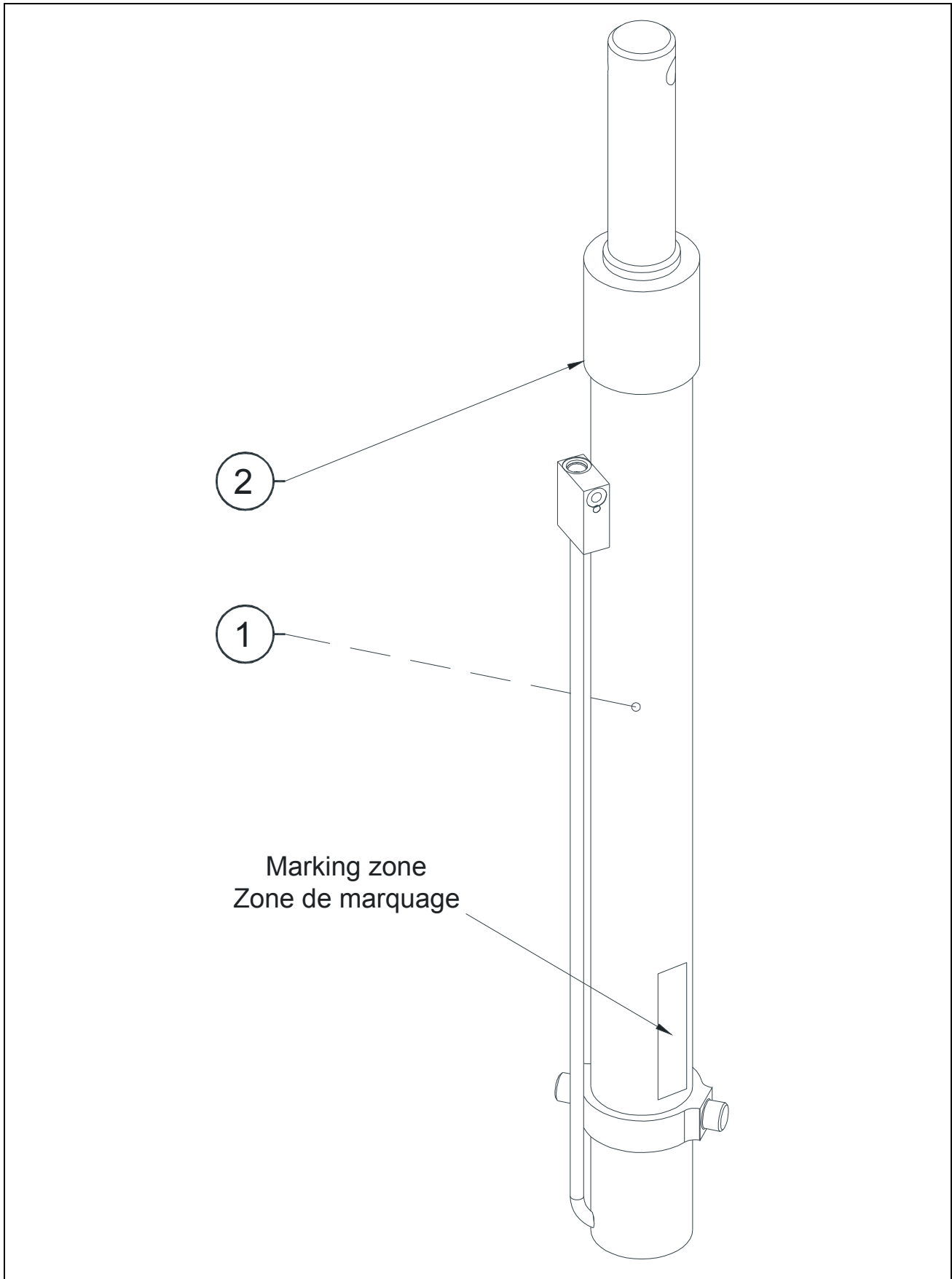
# SECTION 6 PLATFORM INSTALL / INSTALLATION PLATE-FORME

FIGURE 6-1. PLATFORM INSTALL / INSTALLATION PLATE-FORME (CONTINUED)

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

# **SECTION 7 APPENDIX A**

FIGURE 7-1. MAST CYLINDER / VERIN DE MAT



**FIGURE 7-1. MAST CYLINDER / VERIN DE MAT**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
1	960086	1	<b>MAST CYLINDER</b> SEAL KIT	<b>VERIN DE MAT</b> KIT DE JOINTS		<b>RM0088</b>
2	ST2605	1	MAST CYLINDER	VERIN DE MAT		

FIGURE 7-2. MASTER CYLINDER / VERIN MAITRE

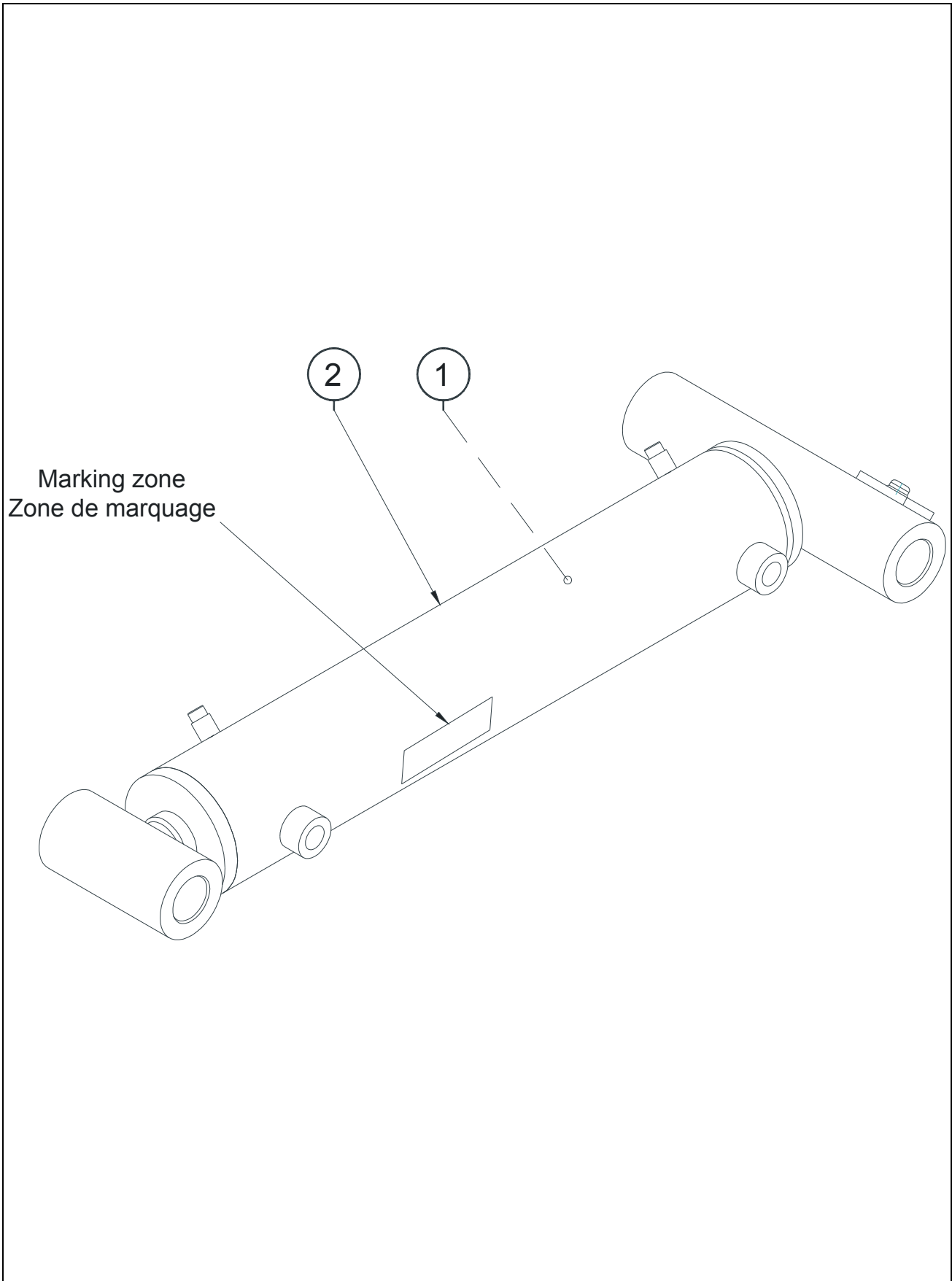
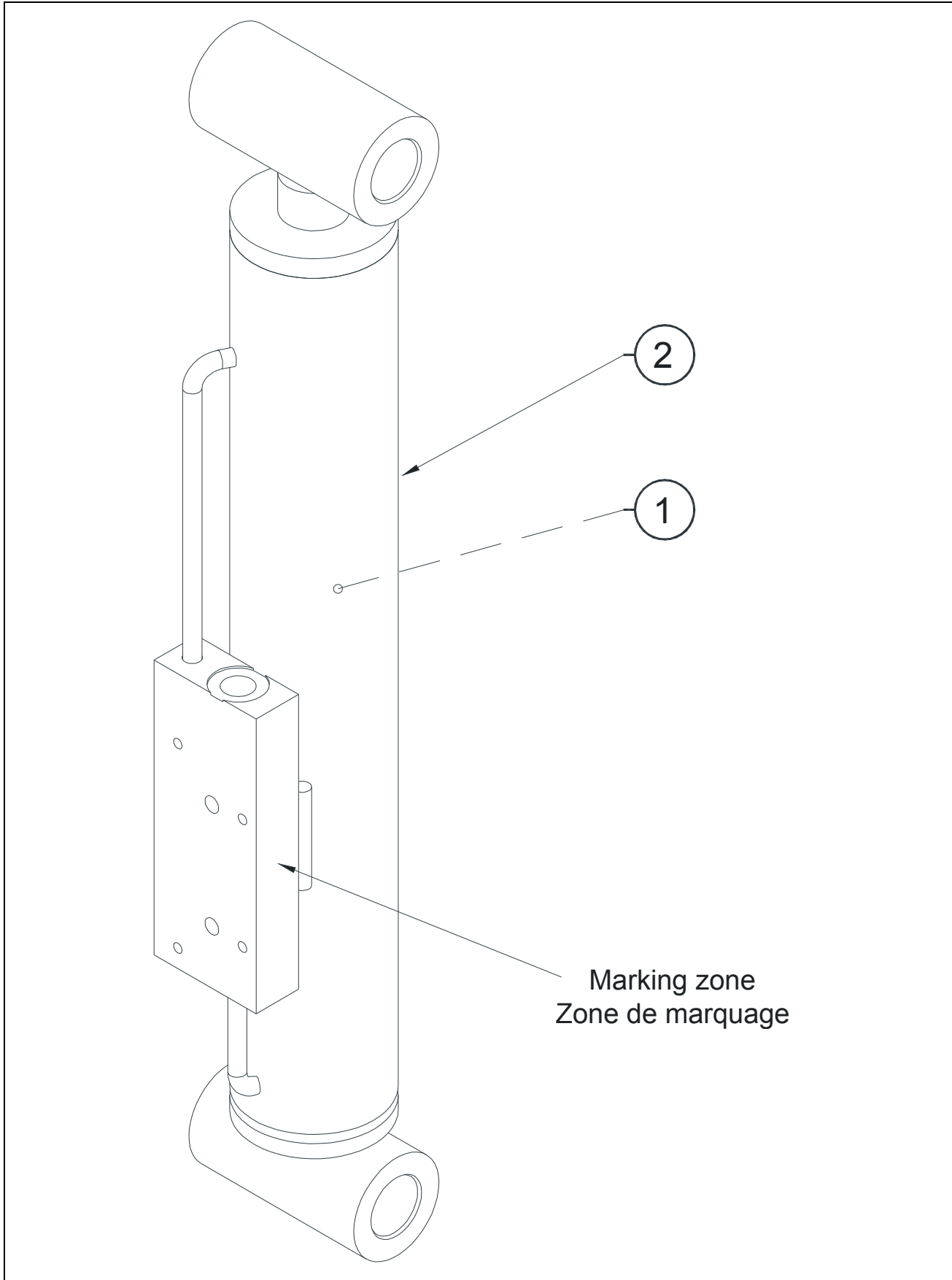




FIGURE 7-2. MASTER CYLINDER / VERIN MAITRE

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
1	960087	1	<b>MASTER CYLINDER</b>	<b>VERIN MAITRE</b>		<b>RM0076</b>
			SEAL KIT	KIT DE JOINTS		
2	ST2465	1	MASTER CYLINDER	VERIN MAITRE		

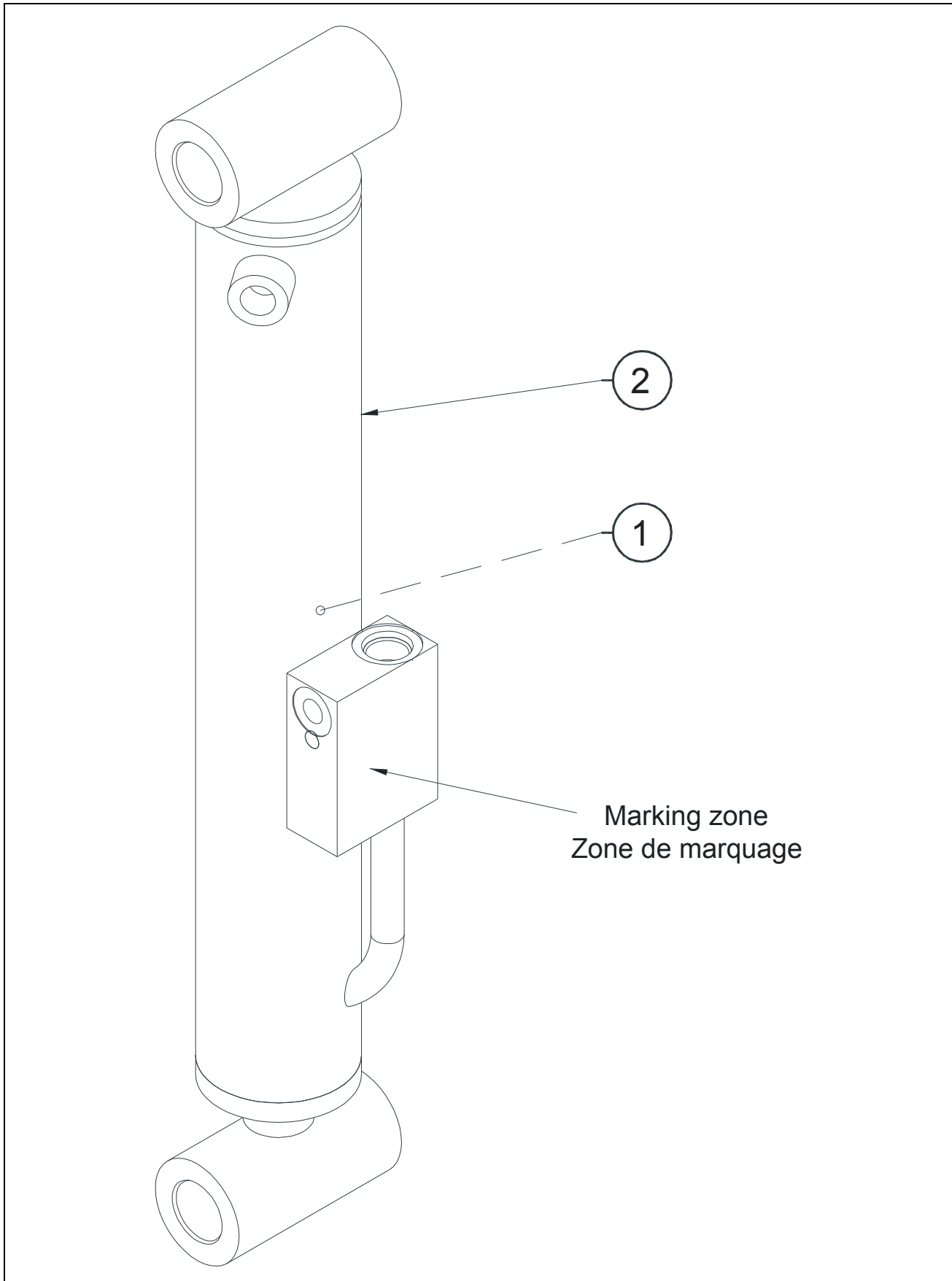
FIGURE 7-3. SLAVE CYLINDER / VERIN ESCLAVE



**FIGURE 7-3. SLAVE CYLINDER / VERIN ESCLAVE**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
1	960088	1	<b>SLAVE CYLINDER</b> SEAL KIT	<b>VERIN ESCLAVE</b> KIT DE JOINTS	A	RM0077
2	ST2559	1	SLAVE CYLINDER	VERIN ESCLAVE		

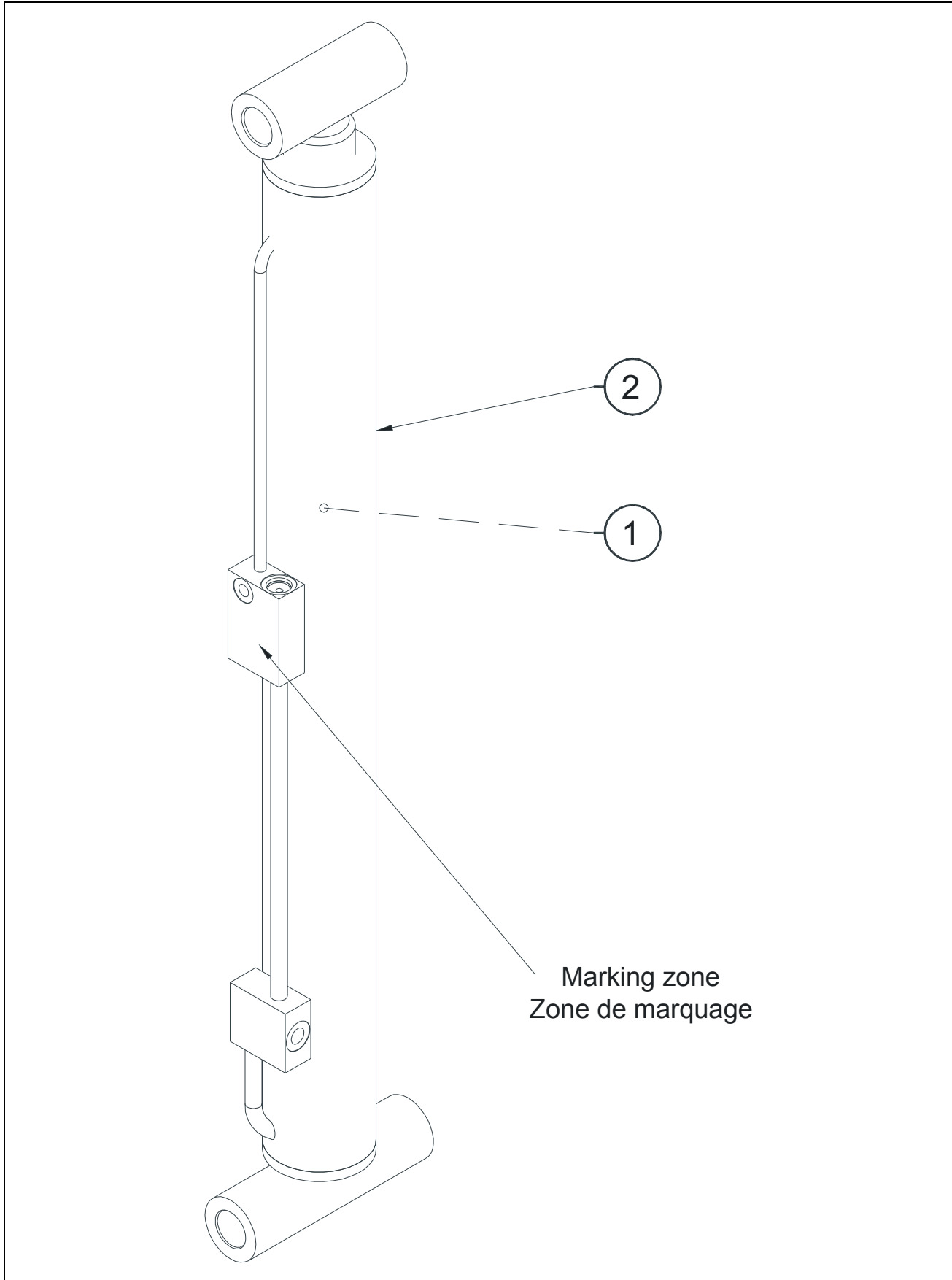
FIGURE 7-4. ASSISTANCE CYLINDER / VERIN D'ASSISTANCE



**FIGURE 7-4. ASSISTANCE CYLINDER / VERIN D'ASSISTANCE**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
1	960088	1	<b>ASSISTANCE CYLINDER</b> SEAL KIT	<b>VERIN D'ASSISTANCE</b> KIT DE JOINTS	<b>B</b>	<b>RM0078</b>
2	ST2567	1	ASSISTANCE CYLINDER	VERIN D'ASSISTANCE	B	

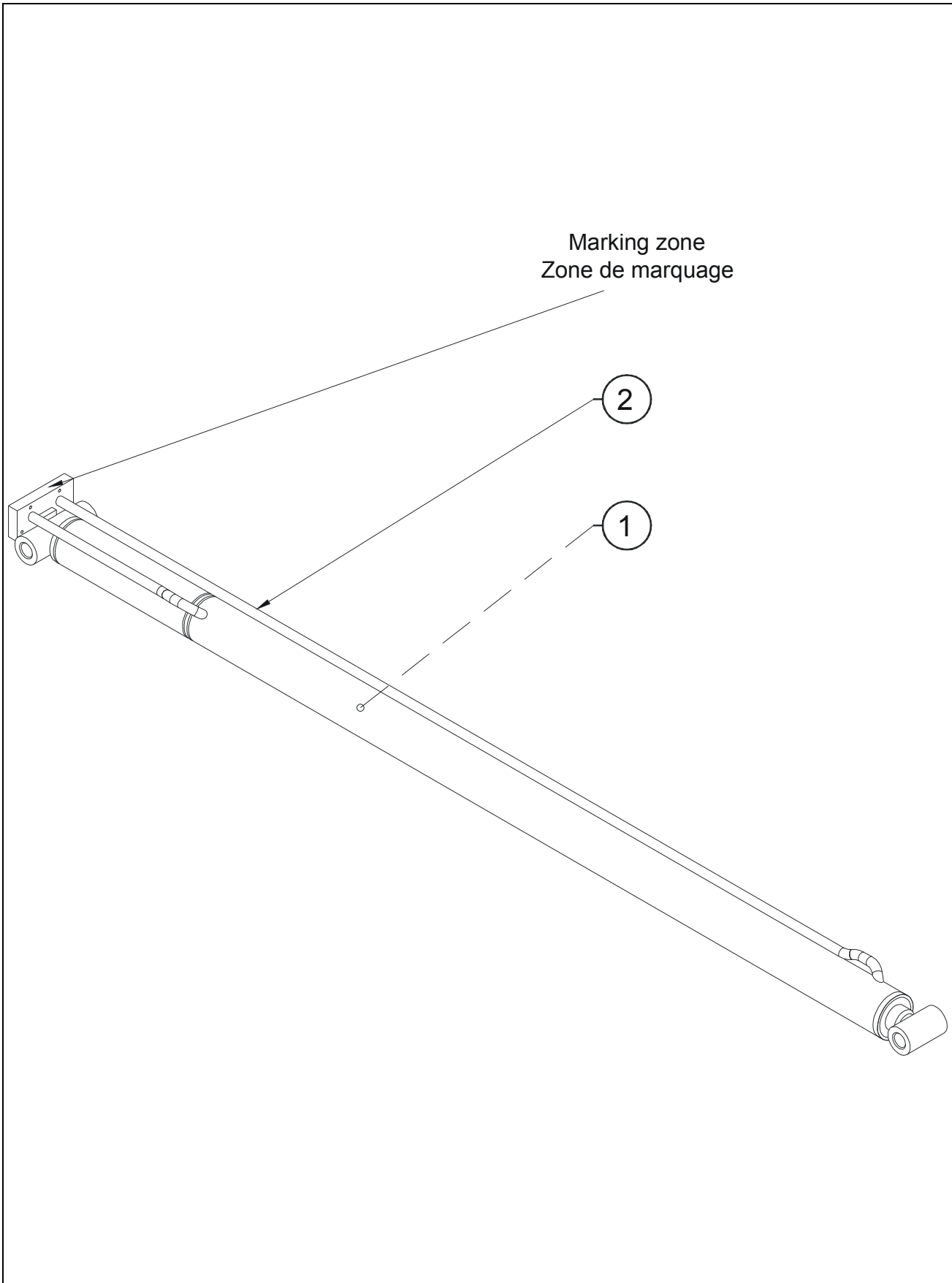
FIGURE 7-5. JIB CYLINDER / VERIN BRAS



**FIGURE 7-5. JIB CYLINDER / VERIN BRAS**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>JIB CYLINDER</b>	<b>VERIN DE BRAS</b>	<b>A</b>	<b>RM0079</b>
1	960089	1	SEAL KIT	KIT DE JOINTS		
2	ST2468	1	S/N PRIOR #13154 JIB CYLINDER	VERIN DE BRAS AVANT N° 13154	A	
2	ST2924	1	S/N SINCE #13154 JIB CYLINDER	VERIN DE BRAS DEPUIS N° 13154	A	

FIGURE 7-6. TELESCOPE CYLINDER / VERIN DE TELESCOPE

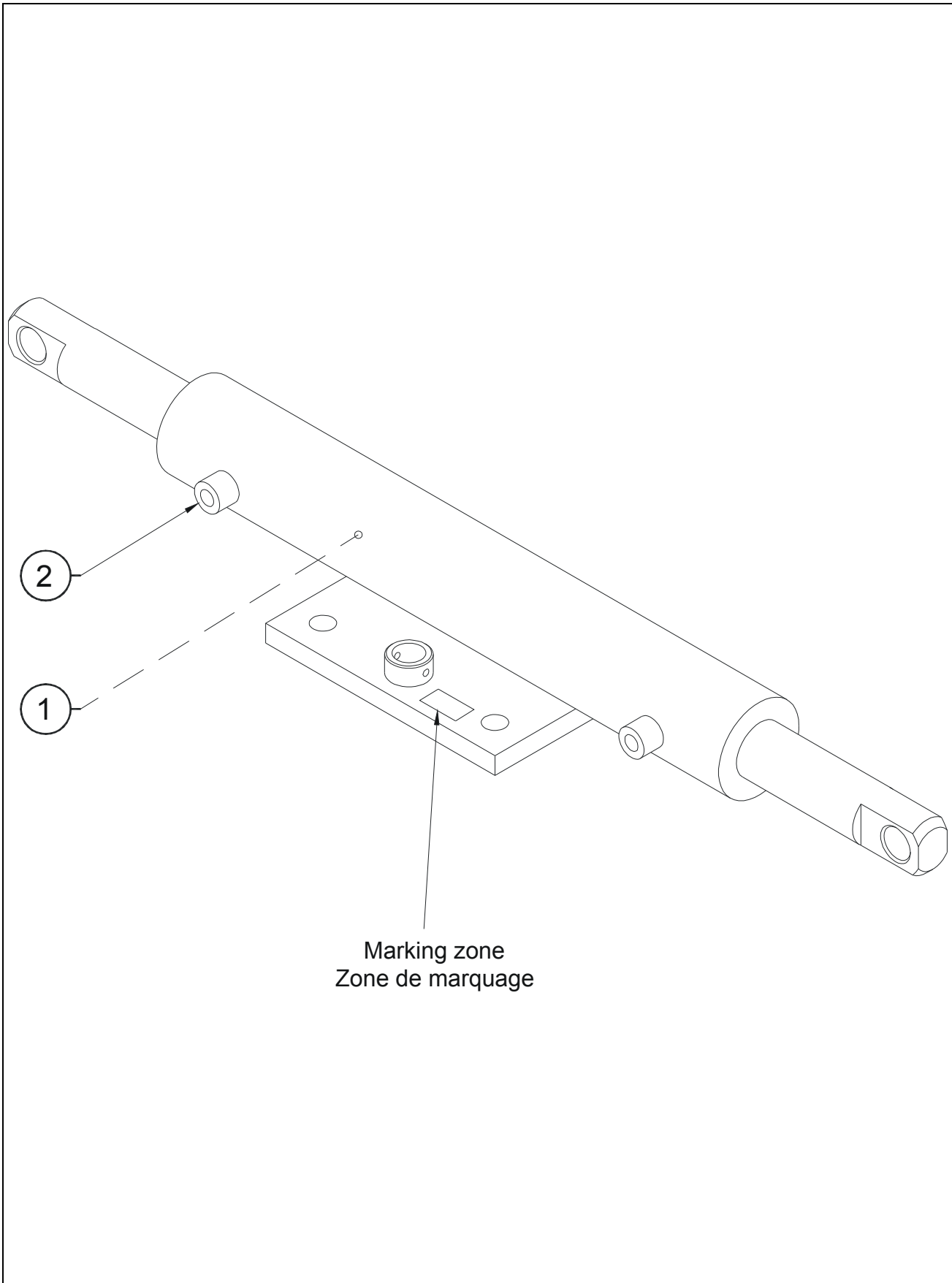




**FIGURE 7-6. TELESCOPE CYLINDER / VERIN DE TELESCOPE**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
1	960090	1	<b>TELESCOPE CYLINDER</b> SEAL KIT	<b>VERIN DE TELESCOPE</b> KIT DE JOINTS		<b>RM0080</b>
2	ST2470	1	TELESCOPE CYLINDER	VERIN DE TELESCOPE		

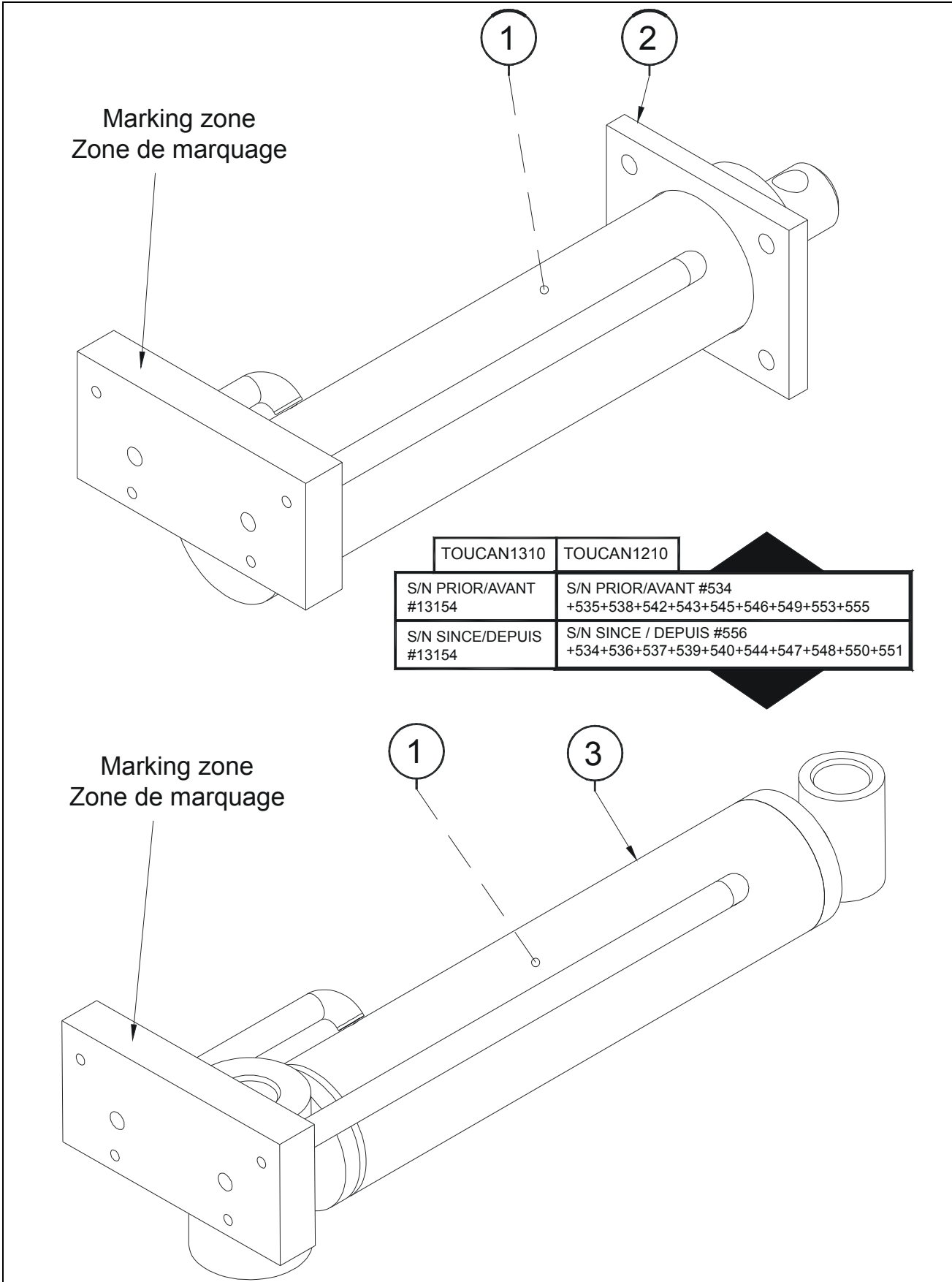
FIGURE 7-7. STEERING CYLINDER / VERIN DE DIRECTION



**FIGURE 7-7. STEERING CYLINDER / VERIN DE DIRECTION**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>STEERING CYLINDER</b>	<b>VERIN DE DIRECTION</b>		<b>RM0089</b>
1	960091	1	SEAL KIT	KIT DE JOINTS		
2	ST2613	1	STEERING CYLINDER	VERIN DE DIRECTION		

FIGURE 7-8. PLATFORM ROTATION CYLINDER / VERIN DE ROTATION PLATE-FORME



**FIGURE 7-8. PLATFORM ROTATION CYLINDER / VERIN DE ROTATION PLATE-FORME**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>PLATFORM ROTATION CYLINDER</b>	<b>VERIN DE ROTATION PANIER</b>	<b>B</b>	<b>RM0082</b>
1	960092	1	SEAL KIT	KIT DE JOINTS		
2	ST2471	1	PLATFORM ROTATION CYLINDER	VERIN DE ROTATION PLATE-FORME	B	
3	ST2956	1	PLATFORM ROTATION CYLINDER	VERIN DE ROTATION PLATE-FORME	B	

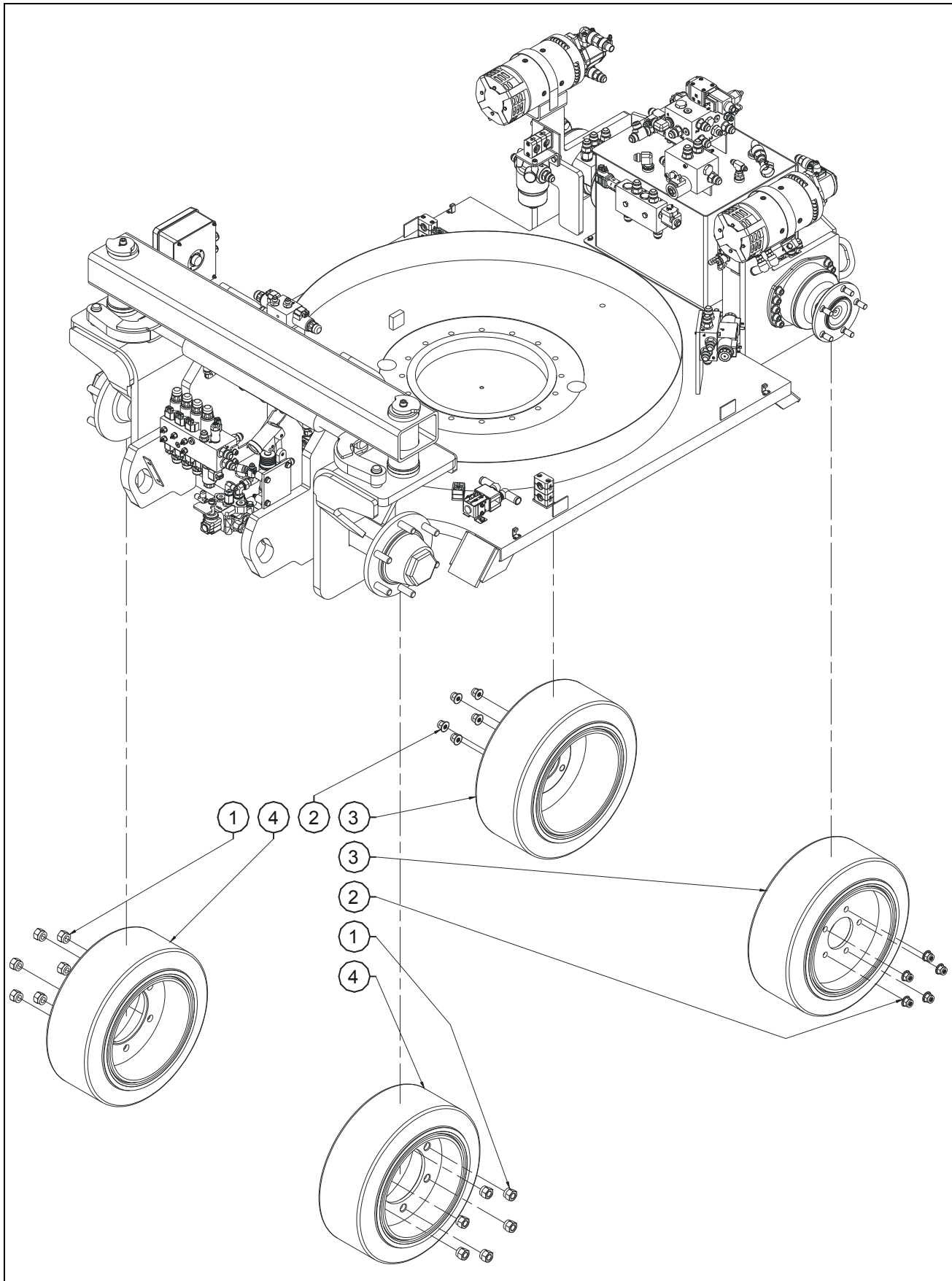
# SECTION 7 APPENDIX A

FIGURE 7-8. PLATFORM ROTATION CYLINDER / VERIN DE ROTATION PLATE-FORME (CONTINUED)

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

**SECTION 8**  
**APPENDIX B**

FIGURE 8-1. BLACK WHEELS INSTALL / INSTALLATION ROUES NOIRES





**FIGURE 8-1. BLACK WHEELS INSTALL / INSTALLATION ROUES NOIRES**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>BLACK WHEELS INSTALL</b>	<b>INSTALLATION ROUES NOIRES</b>		<b>SP1225</b>
1	920065	12	M18x150 NUT	ECROU H M18x150		
2	932017	2	5 NUTS KIT (INCLUDED IN MOTOR)	JEU DE 5 ECROUS (inclus dans moteur)		
3	ST2455	2	BLACK DRIVING WHEEL	ROUE MOTRICE NOIRE		
4	ST2456	2	BLACK STEERING WHEEL	ROUE DIRECTRICE NOIRE		

FIGURE 8-2. NON MARKING WHEELS INSTALL /  
INSTALLATION ROUES NON MARQUANTES

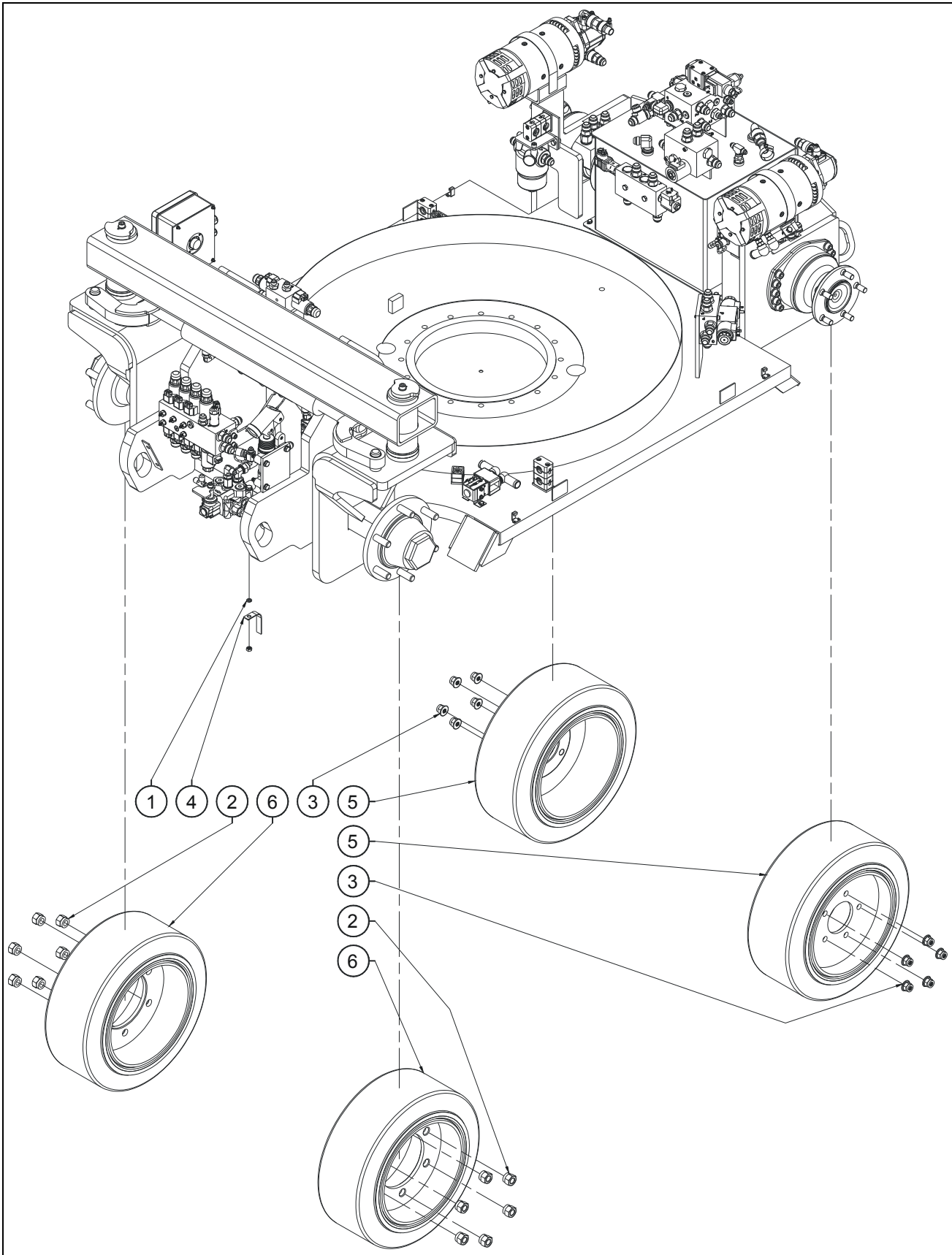


FIGURE 8-2. NON MARKING WHEELS INSTALL / INSTALLATION ROUES NON MARQUANTES

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>NON MARKING WHEELS INSTALL</b>	<b>INSTALLATION ROUES NON MAR- QUANTES</b>	<b>A</b>	<b>SP1226</b>
1	120001	1	M16 WASHER	RONDELLE M16 BI		
2	920065	12	M18x150 NUT	ECROU H M18x150		
3	932017	2	5 NUTS KIT (INCLUDED IN MOTOR)	JEU DE 5 ECROUS (inclus dans moteur)		
4	SD0404	1	STRATIC STRAP	TRESSE DE MASSE		
5	ST2453	2	WHITE NON MARKING DRIVING WHEEL	ROUE MOT. NON MARQUANTE BLANCHE		
5	ST3076	2	GREY NON MARKING DRIVING WHEEL	ROUE MOTRICE NON MARQUANTE GRISE	A	
6	ST2454	2	WHITE NON MARKING STEERING WHEEL	ROUE DIR. NON MARQUANTE BLANCHE		
6	ST3077	2	GREY NON MARKING STEERING WHEEL	ROUE DIRECT. NON MARQUANTE GRISE	A	

# SECTION 8 APPENDIX B

FIGURE 8-2. NON MARKING WHEELS INSTALL / INSTALLATION ROUES NON MARQUANTES

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

# **SECTION 9 APPENDIX C**

FIGURE 9-1. 780/900Ah BATTERY INSTALL / INSTALLATION BATTERIE 780/900Ah

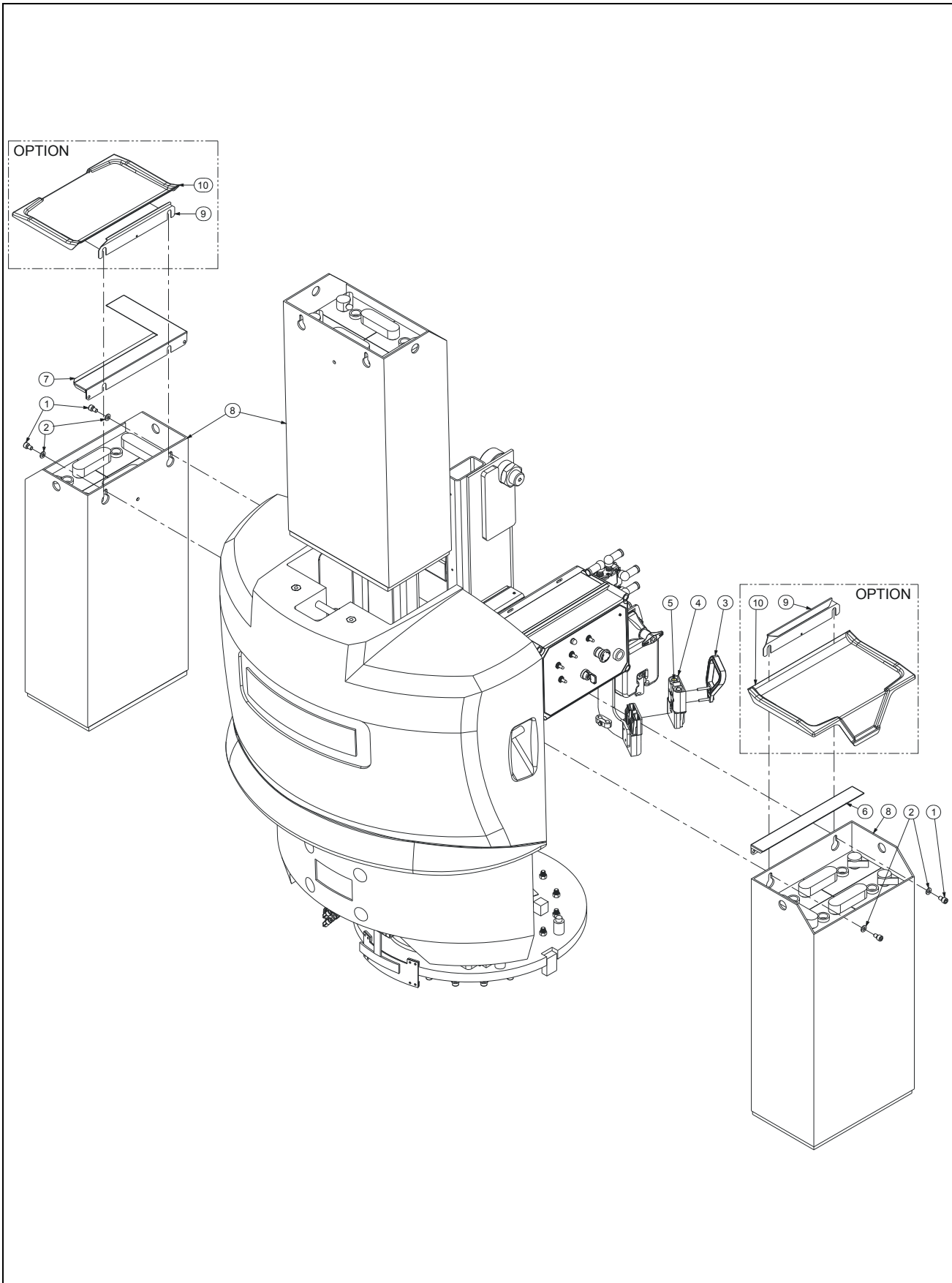


FIGURE 9-1. 780/900AH BATTERY INSTALL / INSTALLATION BATTERIE 780/900AH

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>780 / 900Ah BATTERY INSTALL</b>	<b>INSTALLATION BATTERIE 780 / 900Ah</b>		<b>SP1238</b>
1	000028	4	M10x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M10x20 8.8 BI FT		
2	120011	4	dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		
3	250101	1	QUICK CONNECTOR HANDLE KIT	POIGNEE POUR PRISE RAPIDE		
4	250102	1	QUICK CONNECTOR	CONNECTEUR RAPIDE		
5	910031	2	2 BLADE CONTACTS (included in 250102)	2 COSSES PRISE (inclus dans 250102)		
6	ST2508	1	BATTERY COVER	CARTER BATTERIE		
7	ST2509	1	BATTERY COVER	CARTER BATTERIE		
8		x	BATTERY COMPONANTS	COMPOSANTS BATTERIES		APPENDIX E
9	ST3088	2	KEEPER-BATTERY COVER	TOLE DE MAINTIEN COUVERCLE BATTE- RIE		
10	ST3090	2	COVER-BATTERY CONTAINER 900Ah	COUVERCLE BATTERIE 900Ah		

# SECTION 9 APPENDIX C

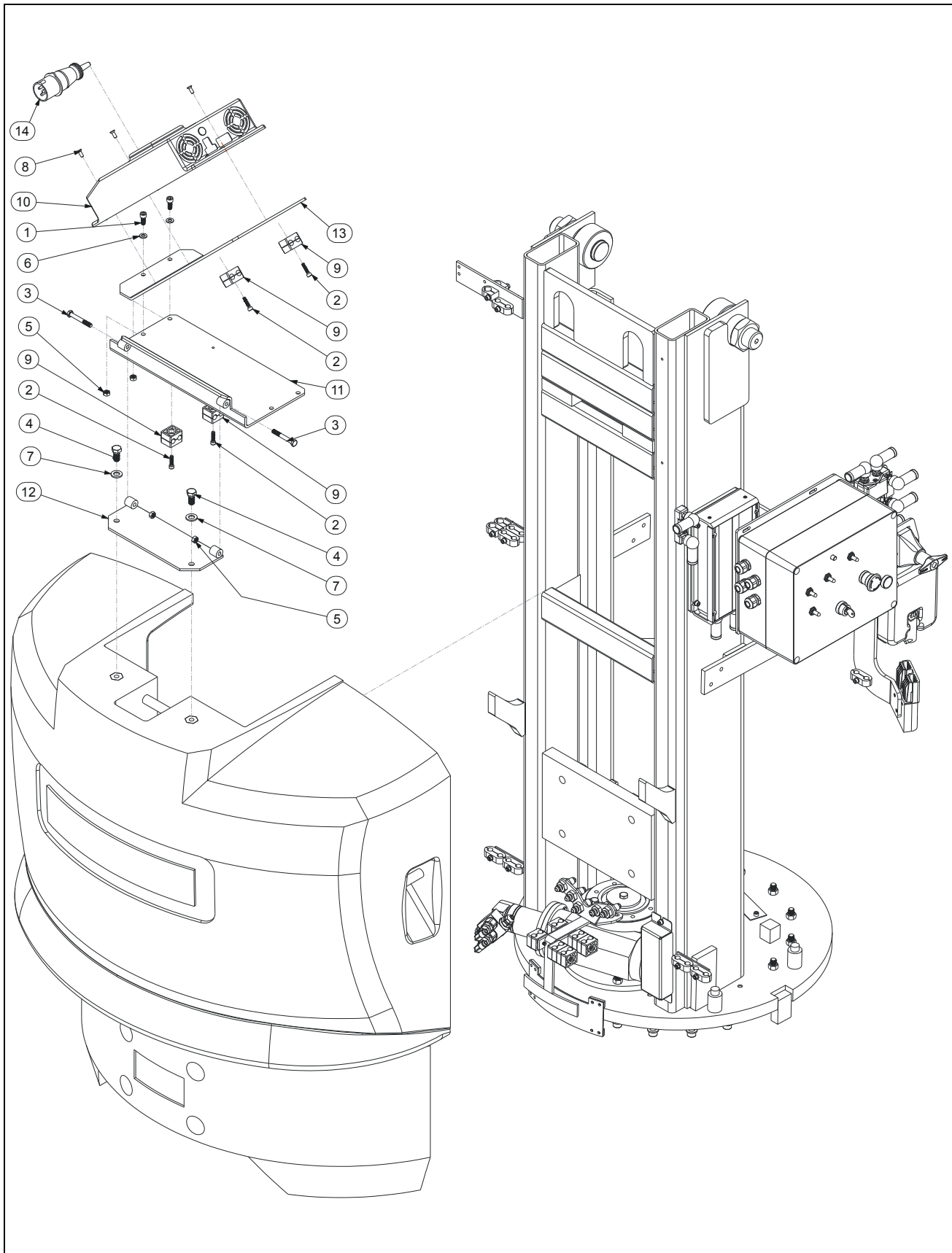
FIGURE 9-1. 780/900AH BATTERY INSTALL / INSTALLATION BATTERIE 780/900AH (CONTINUED)

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION



**SECTION 10**  
**APPENDIX D**

FIGURE 10-1. 80 HF ZIVAN CHARGER INSTALL /  
INSTALLATION CHARGEUR HF 80A ZIVAN



**FIGURE 10-1. 80 HF ZIVAN CHARGER INSTALL / INSTALLATION CHARGEUR HF 80A ZIVAN**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION	REV	INFORMATION
			<b>80A HF "ZIVAN" CHARGER INSTALL</b>		<b>INSTALLATION CHARGEUR HF 80A "ZIVAN"</b>
					<b>SP1228</b>
1	000006	2	M08x20 8.8 SOCKET HEAD MACH SCREW		VIS CHC M08x20 8.8 BI FT
2	000008	4	M06x25 8.8 SOCKET HEAD MACH SCREW		VIS CHC M06x25 8.8 BI FT
3	100007	2	M08x50 8.8 HEX HEAD CAPSCREW		VIS H M08x50 8.8 BI FP
4	100021	2	M12x25 8.8 HEX HEAD MACHINE SCREW		VIS H M12x25 8.8 BI FT
5	110004	4	M08 GR. 8.8 LOCK NUT		ECROU FREIN M8 8.8 BI
6	120010	2	dD 08x18 LOCK WASHER		RONDELLE CONTACT dD 08x18 BI
7	120015	2	dD 12x27 LOCK WASHER		RONDELLE CONTACT dD 12x27 BI
8	130047	3	M5x16 8.8 COUNTERSUNK HEAD M SCR		VIS FHC M05x16 8.8 BI FT
9	400018	4	PAIR 1/2 SHELL Ø12-12		PAIRE DEMI COQUILLE Ø12-12
10		1	80A "F7BSTR" ZIVAN CHARGER		CHARGEUR ZIVAN 80A "F7BSTR"
11	ST2487	1	CHARGER PLATE		PLATINE CHARGEUR
12	ST2488	1	CHARGER TILTABLE PLATE		PLATINE ARTICULEE CHARGEUR
13	ST2489	1	HF CHARGER PLATE		PLATINE CHARGEUR HF
14		1	CHARGER CONNECTOR		PRISE CHARGEUR
					<b>APPENDIX F</b>
					<b>RM0059</b>

FIGURE 10-2. POWERFINN CHARGER INSTALL /  
INSTALLATION CHARGEUR POWERFINN

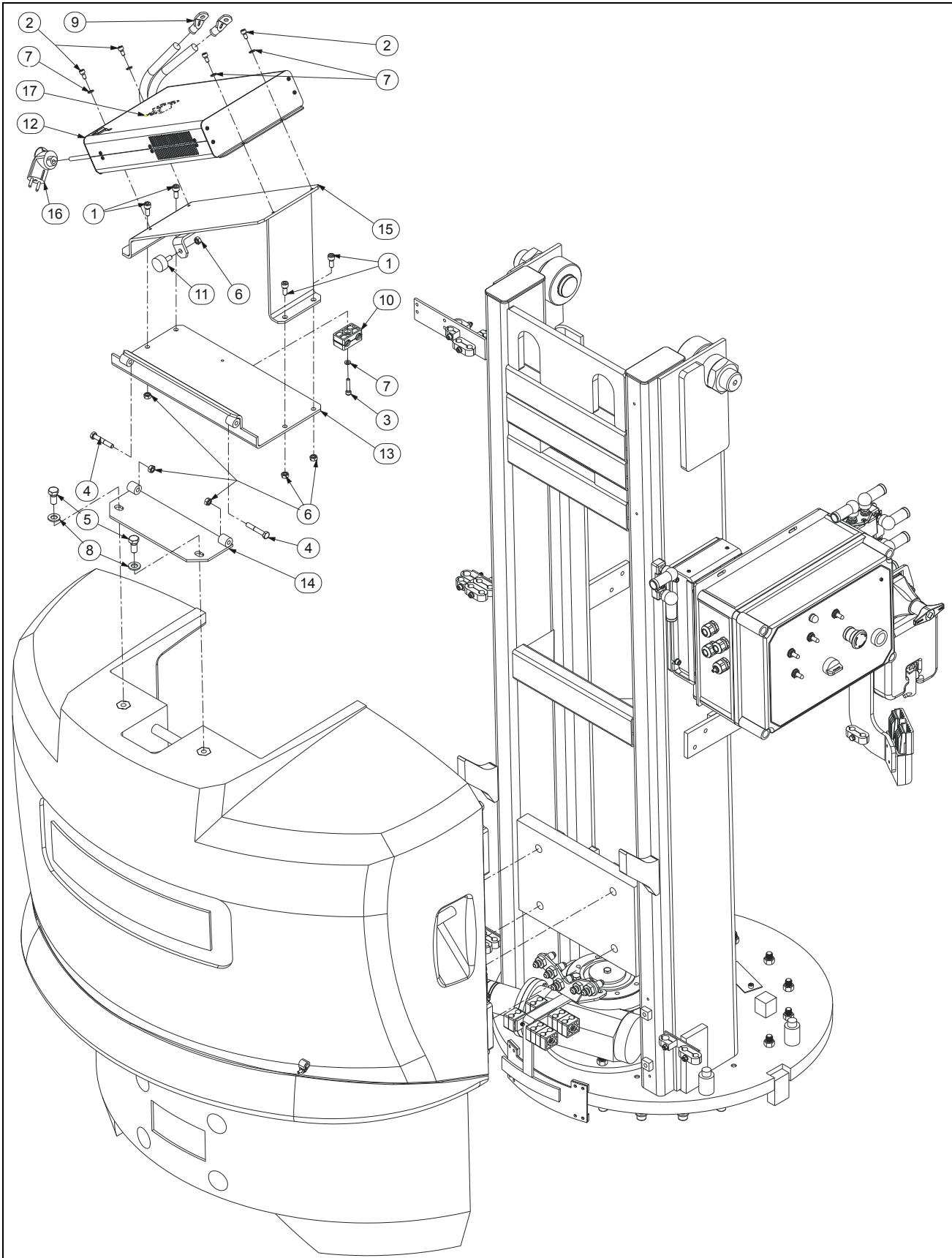
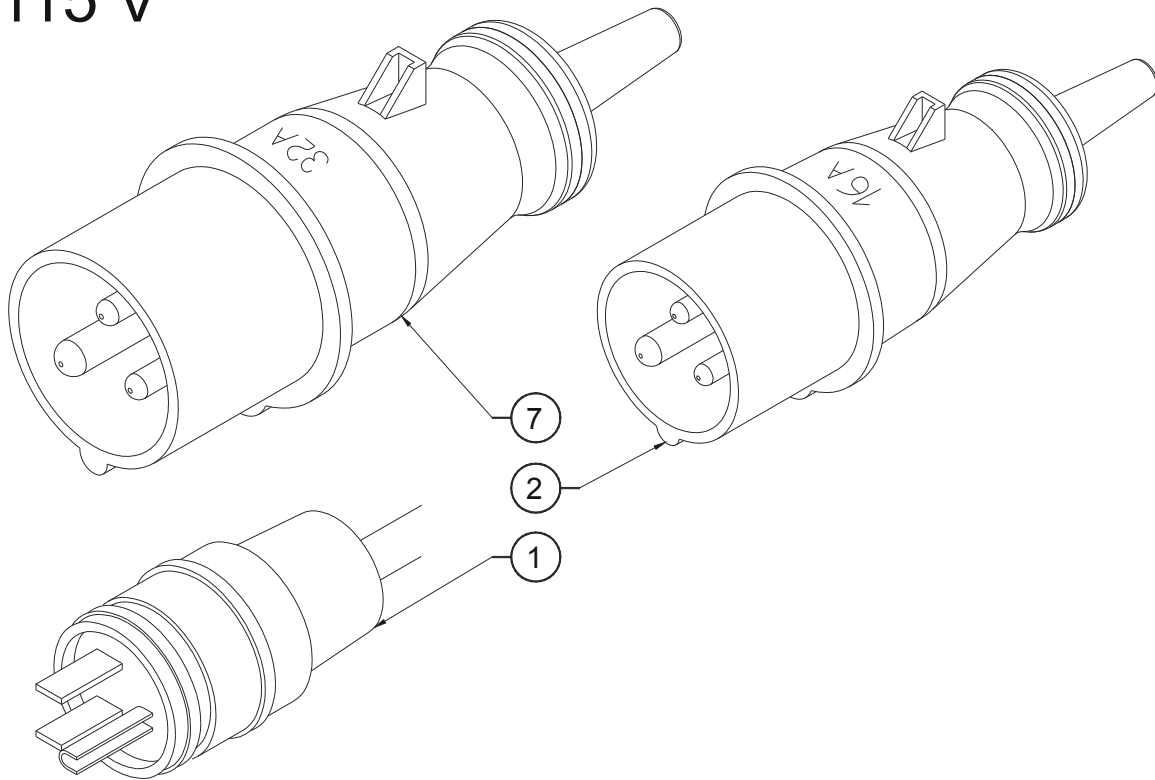


FIGURE 10-2. POWERFINN CHARGER INSTALL / INSTALLATION CHARGEUR POWERFINN

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>POWERFINN CHARGER INSTALL</b>	<b>INSTALLATION CHARGEUR POWERFINN</b>		<b>OPS496</b>
1	000006	4	M08x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x20 8.8 BI FT		
2	000014	4	M06x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x12 8.8 BI FT		
3	000016	1	M06x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x30 8.8 BI FT		
4	100007	2	M08x50 8.8 HEX HEAD CAPSCREW	VIS H M08x50 8.8 BI FP		
5	100021	2	M12x25 8.8 HEX HEAD MACHINE SCREW	VIS H M12x25 8.8 BI FT		
6	110004	7	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI		
7	120009	5	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		
8	120015	2	dD 12x27 LOCK WASHER	RONDELLE CONTACT dD 12x27 BI		
9	250198	2	Ø 8 EYELET CRIMP TERMINAL 50mm <sup>2</sup>	COSSE A CEIL Ø 8 - 50 mm <sup>2</sup>		
10	400011	1	PAIR 1/2 SHELL Ø15-15	PAIRE DEMI COQUILLE Ø15-15		
11	400015	1	ELASTIC STOP	BUTEE ELASTIQUE		
12	510084	1	POWERFINN CHARGER	CHARGEUR POWERFINN		
13	ST2487	1	CHARGER PLATE	PLATINE CHARGEUR		
14	ST2488	1	CHARGER TILTABLE PLATE	PLATINE ARTICULEE CHARGEUR		
15	ST3044	1	CHARGER SUPPORT	SUPPORT CHARGEUR		
16		1	CHARGER CONNECTOR	PRISE CHARGEUR		RM0059
17	260317	1	125A FUSE	FUSIBLE 125A		

FIGURE 10-3. CHARGER CONNECTOR / PRISE CHARGEUR

115 V



230 V

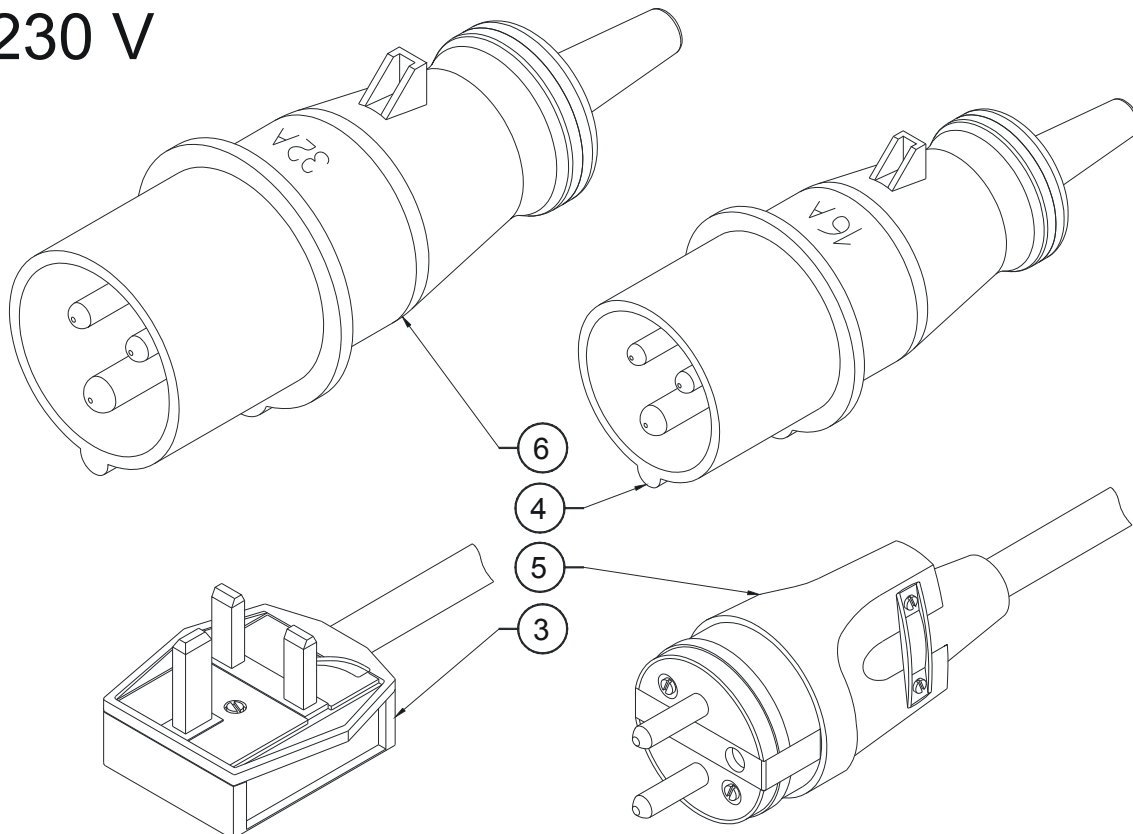


FIGURE 10-3. CHARGER CONNECTOR / PRISE CHARGEUR

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>CHARGER CONNECTOR</b>	<b>PRISE CHARGEUR</b>		<b>RM0059</b>
1	7364002824	1	US 125 VAC MALE CONNECTOR (=260276)	PRISE US 125VAC (=260276)		
2	260213	1	Yellow CONNECTOR 115VAC/16A CEI, IP44	PRISE MALE Jaune 115VAC/16A CEI, IP44		
3	250117	1	UK 230 VAC MALE CONNECTOR	PRISE MALE 230VAC ROYAUME UNI		
4	260231	1	BLUE CONNECTOR 230VAC/16A CEI, IP44	PRISE MALE BLEUE 230VAC/16A CEI, IP44		
5	260214	1	FRENCH AND GERMAN 230V CONNec- TOR	PRISE 230V FRANCAISE ET ALLEMANDE		
6	260263	1	BLUE CONNECTOR 230VAC/32A CEI, IP44	PRISE MALE BLEUE 230VAC/32A CEI, IP44		
7	260266	1	Yellow CONNECTOR 115VAC/32A CEI, IP44	PRISE MALE Jaune 115VAC/32A CEI, IP44		

# SECTION 10 APPENDIX D

## FIGURE 10-3. CHARGER CONNECTOR / PRISE CHARGEUR (CONTINUED)

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION



**SECTION 11**  
**APPENDIX E**

FIGURE 11-1. BATTERY COMPONENTS / COMPOSANTS BATTERIE

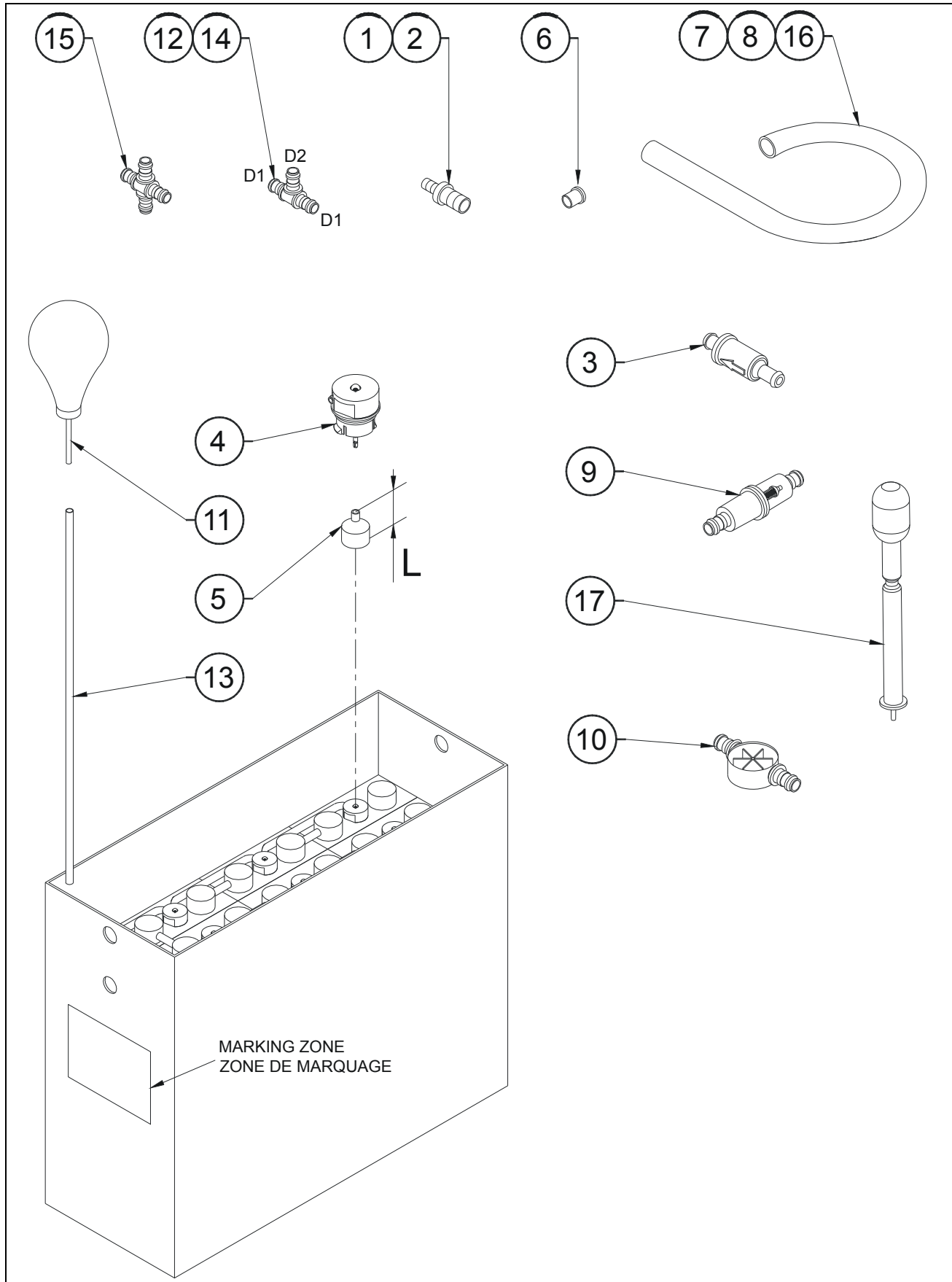


FIGURE 11-1. BATTERY COMPONENTS / COMPOSANTS BATTERIE

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>BATTERY COMPONENTS</b>	<b>COMPOSANTS BATTERIE</b>		<b>PT0249</b>
1	400059	x	4/6 REDUCTION	REDUCTION 4/6		
2	400065	x	6/10 REDUCTION	REDUCTION 6/10		
3	400086	x	CHECK VALVE	CLAPET ANTI-RETOUR		
4	950033	x	BATTERY CELL LEVEL CAP	BOUCHON NIVEAU D'ELEMNT BATTERIE		
5	950222	x	FLOAT L= 14	FLOTTEUR L= 14		
5	950223	x	FLOAT L= 20	FLOTTEUR L= 20		
5	950224	x	FLOAT L= 29	FLOTTEUR L= 29		
5	950225	x	FLOAT L= 34	FLOTTEUR L= 34		
5	950226	x	FLOAT L= 39	FLOTTEUR L= 39		
5	950227	x	FLOAT L= 44	FLOTTEUR L= 44		
5	950228	x	FLOAT L= 49	FLOTTEUR L= 49		
6	950038	x	TERMINAL CAP	OBTURATEUR TERMINAL		
7	950039	x	Ø6 PIPE (quantity indicated in meter)	TUYAU Ø 6 (quantité indiquée en mètre)		
8	950040	x	Ø10 PIPE (quantity indicated in meter)	TUYAU Ø10 (quantité indiquée en mètre)		
9	950041	x	FILTER	FILTRE		
10	950044	x	FLOW INDICATOR Ø10	INDICATEUR DE DEBIT Ø10		
11	950047	x	BATTERY BULB	POIRE BATTERIE		
12	950052	x	RUN TEE 06/06/06	TE 06/06/06		
13	950058	x	PIPE	TUBE		
14	950059	x	RUN TEE D1/D2/D1: 06/10/06	TE D1/D2/D1: 06/10/06		
15	950214	x	CROSS 06	CROIX 06		
16	950215	x	Ø4 PIPE (quantity indicated in meter)	TUYAU Ø 4 (quantité indiquée en mètre)		
17	950216	x	HYDROMETER	PESE ACIDE		

# SECTION 11 APPENDIX E

FIGURE 11-1. BATTERY COMPONENTS / COMPOSANTS BATTERIE (CONTINUED)

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

# **SECTION 12**

## **APPENDIX F**

FIGURE 12-1. 80A «F7BSTR» ZIVAN CHARGER / CHARGEUR ZIVAN

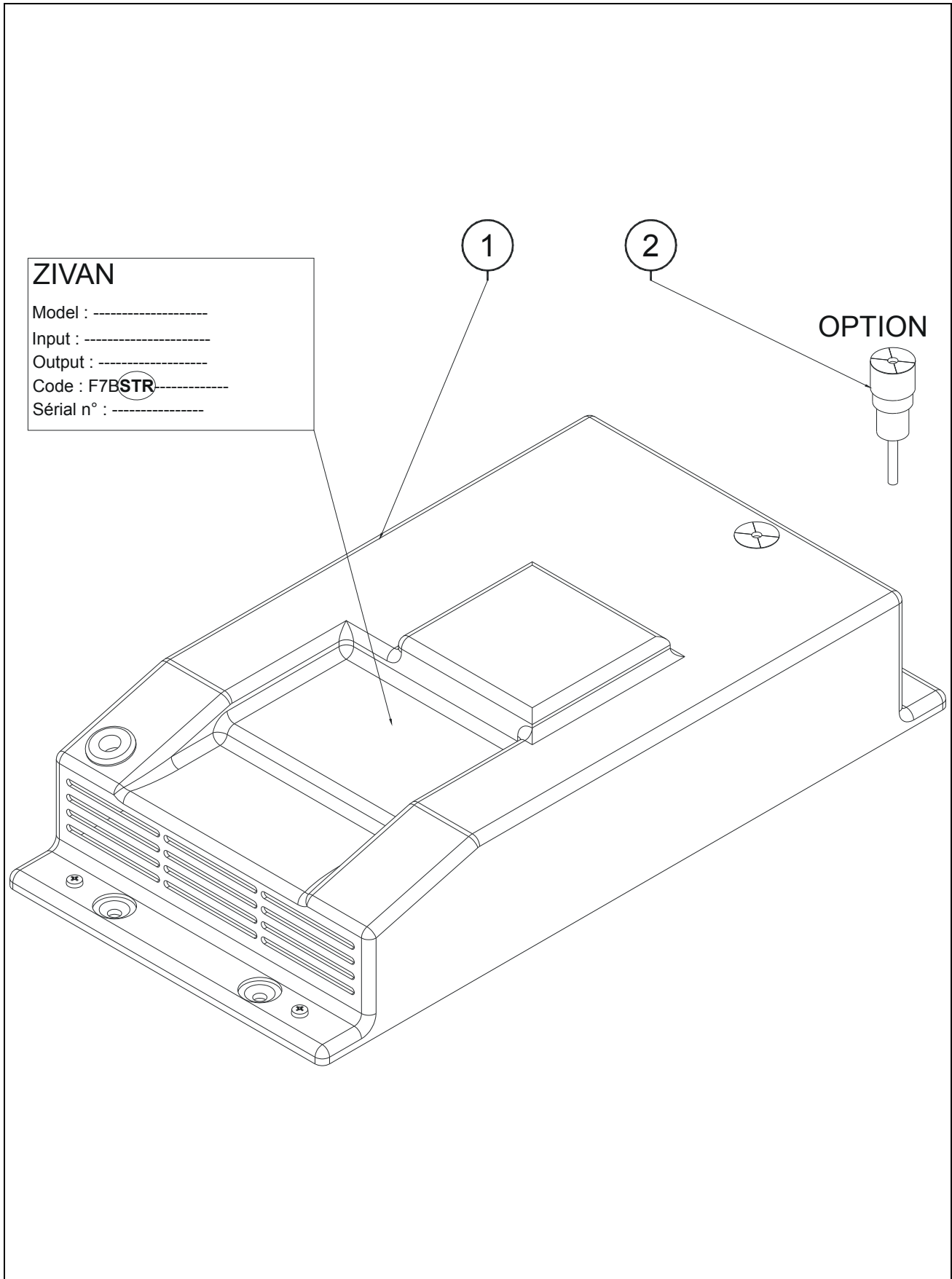


FIGURE 12-1. 80A «F7BSTR» ZIVAN CHARGER / CHARGEUR ZIVAN

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>510067</b>		<b>80A "F7BSTR" ZIVAN CHARGER</b>	<b>CHARGEUR ZIVAN 80A "F7BSTR"</b>		<b>510067</b>
1	510067	1	80A "F7BSTR" ZIVAN CHARGER	CHARGEUR ZIVAN 80A "F7BSTR"		
2	510060	x	EXTERNAL INDICATOR	INDICATEUR EXTERNE		

FIGURE 12-2. 80A «F7BTGR» ZIVAN GEL CHARGER / CHARGEUR GEL

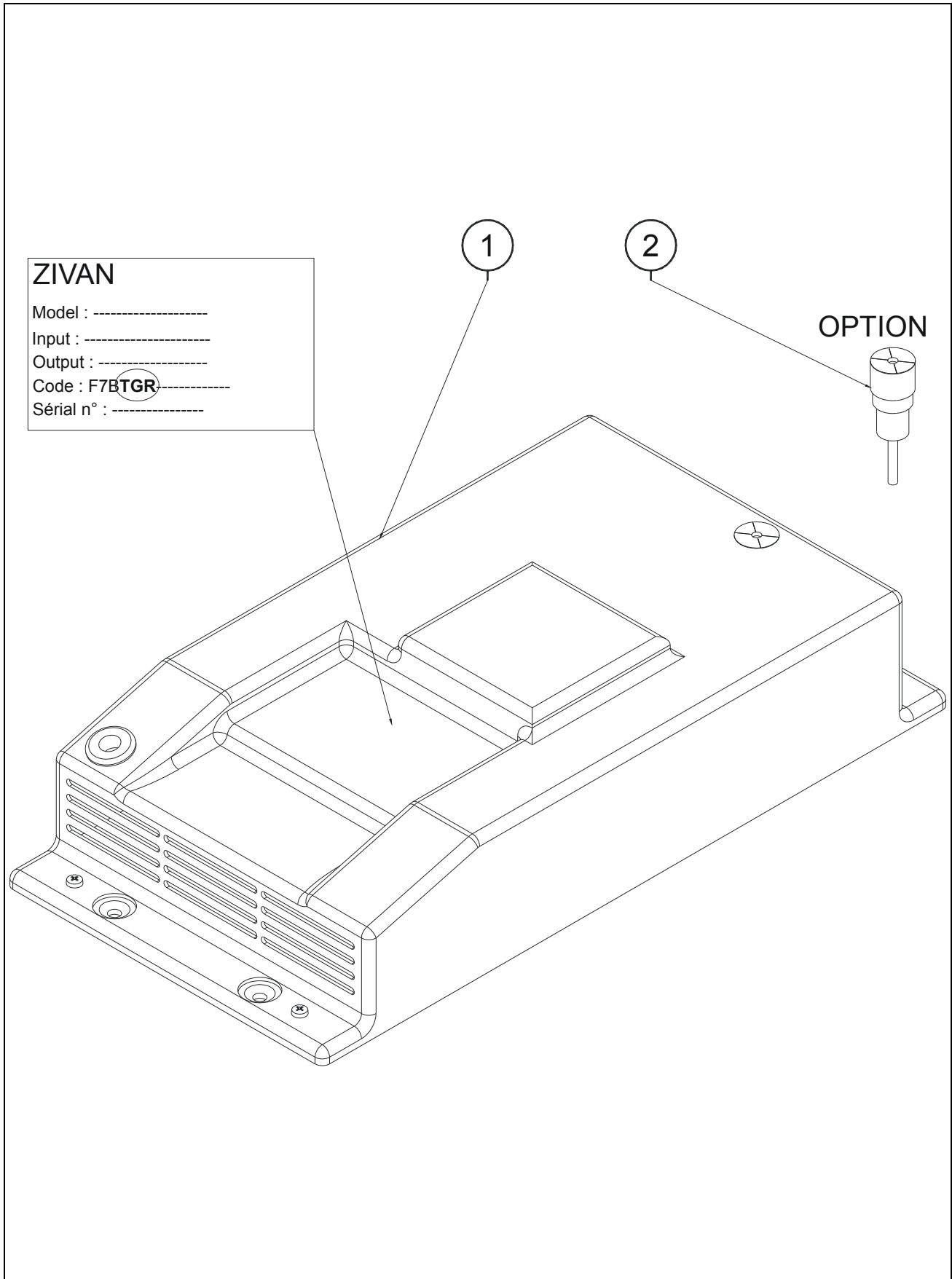




FIGURE 12-2. 80A «F7BTGR» ZIVAN GEL CHARGER / CHARGEUR GEL

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>510065</b>		<b>80A "F7BTGR" ZIVAN CHARGER (GEL)</b>	<b>CHARGEUR ZIVAN 80A "F7BTGR" (GEL)</b>		<b>510065</b>
1	510065	1	80A "F7BTGR" ZIVAN CHARGER (GEL)	CHARGEUR ZIVAN 80A "F7BTGR" (GEL)		
2	510060	x	EXTERNAL INDICATOR	INDICATEUR EXTERNE		

# SECTION 12 APPENDIX F

FIGURE 12-2. 80A «F7BTGR» ZIVAN GEL CHARGER / CHARGEUR GEL (CONTINUED)

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

# **SECTION 13**

## **APPENDIX G**



FIGURE 13-1. STANDARD DECAL KIT / AUTOCOLLANTS STANDARD

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>PA0946</b>		<b>T1310 CE DECALS</b>	<b>AUTOCOLLANTS T1310 CE</b>	<b>A</b>	<b>PA0946</b>
1	1702773	2	BIG JLG DECAL ON BASKET	AU JLG GRANDE TAILLE PANIER		
2	1703177	1	AU JLG	JLG AUTOCOLLANT		
3	1706764	2	JLG.COM DECAL	AU JLG.COM		
4	1706493	1	DROP BAR DECAL	AU RISQUE DE CHUTE SOUS-LISSE		
5	AU0048	1	DECAL, OIL LEVEL F	AU HUILE NIVEAU F		
6	AU0769	1	DECAL DOCUMENT BOX	AU PORTE-DOCUMENTS		
7	AU0871	2	WEAR BODY HARNESS	HARNAIS DE SECURITE		
8	AU1107	2	DECAL CRUSHING T1010	AU ECRASEMENT T1010		
9	AU1416	4	TRANSLATION ARROW DECAL	AU FLECHES DE TRANSLATION		
10	AU1418	4	NO KARCHER DECAL	AU INTERDICTION KARCHER		
11	AU1423	1	FILTER CHANGE DECAL	AU CHANGEMENT DE FILTRE		
12	AU1506	1	DECAL BREAKDOWN	AU POSTE DE DEPANNAGE		
13	AU1509	1	CIRCUIT CUT OUT DECAL	AU COUPE CIRCUIT		
14	AU1512	1	GREASE LUB. POINT DECAL	AU POINT DE GRAISSAGE		
15	AU1514	1	STEERING BREAKDOWN DECAL	AU POSTE DE DEPANNAGE DIRECTION		
16	AU1517	1	EMERGENCY DECAL	AU POSTE DE SECOURS		
17	AU1567	4	DECAL LIFTING/TIE DOWN	AU LEVAGE/ARRIMAGE		
18	AU1591	1	TIE DOWN DECAL	ARRIMAGE - ELINGAGE T1210		
19	AU1593	1	MOTOR RELEASE DECAL	DEBRAYAGE MOTEURS		
20	AU1825	1	FRONT BASKET TOUCAN DECAL	LOGO TOUCAN AVANT PANIER		
21	AU1834	2	TOUCAN 1310 JLG DESIGN	TOUCAN 1310 CHARTE JLG		

FIGURE 13-1-1. COUNTRIES DECAL / AUTOCOLLANTS PAYS

		CHARGE/ LOAD	CONSIGNES/ INSTRUCTIONS (Qté / Qty:2)
Belgium/Belgique	NL	AU1597	AU1559
	F	AU1594	AU1508
Denmark/Danemark	DK	AU1598	AU1589
		<b>PA0844</b>	
Dutch/Hollande	NL	AU1597	AU1559
		<b>PA0843</b>	
Finland/Finlande	FIN	AU1600	AU1550
		<b>PA0846</b>	
France	F	AU1594	AU1508
		<b>PA0840</b>	
Germany/Allemagne Ausria/Autriche	D	AU1595	AU1548
	A	<b>PA0841</b>	
Italy/Italie	I	AU1601	AU1546
		<b>PA0847</b>	
Norway / Norvège	N	AU2076	AU2075
		<b>PA01071</b>	
Portugal	P	AU1602	AU1562
		<b>PA0848</b>	
Romania / Roumanie	RO	AU2094	AU2092
		<b>PA1081</b>	
Spain/Espagne	E	AU1599	AU1564
		<b>PA0845</b>	
Suède/Sweden	S	AU1603	AU1561
		<b>PA0849</b>	
Suisse/Switzerland	F	AU1594	AU1508
	D	AU1595	AU1548
Royaume Uni/UK	GB	AU1596	AU1528
		<b>PA0842</b>	
<b>PAxxxx = COMPLETE KIT / JEU COMPLET</b>			

FIGURE 13-1-1. COUNTRIES DECAL / AUTOCOLLANTS PAYS

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>TOUCAN 1310 COUNTRIES DECAL KIT</b>	<b>AUTOCOLLANTS PAYS T1310</b>		<b>TPA0946</b>
1	AU1508	2	DECAL INSTRUCTIONS T1210 FRANCE	AU CONSIGNES T1210 FRANCE		
2	AU1528	2	DECAL, INSTRUCTIONS T1210 GB	AU INSTRUCTIONS T1210 GB		
3	AU1546	2	DECAL INSTRUCTIONS T1210 ITALY	AU CONSIGNES T1210 ITALIE		
4	AU1548	2	DECAL INSTRUCT. T1210 GERMANY	AU CONSIGNES T1210 ALLEMAGNE		
5	AU1550	2	DECAL INSTRUCT. T1210 FINLAND	AU CONSIGNES T1210 FINLANDE		
6	AU1559	2	DECAL INSTR. T1210 NETHERLANDS	AU CONSIGNES T1210 HOLLANDE		
7	AU1561	2	DECAL INSTRUCT T1210 SWEDEN	AU CONSIGNES T1210 SUEDE		
8	AU1562	2	DECAL INSTRUCT. T1210 PORTUGAL	AU CONSIGNES T1210 PORTUGAL		
9	AU1564	2	DECAL INSTRUCTION T1210 SPAIN	AU CONSIGNES T1210 ESPAGNE		
10	AU1589	2	DECAL INSTRUCT. T1210 DENMARK	AU INSTRUCTIONS T1210 DANEMARK		
11	AU1594	1	DECAL LOAD T1310 FRENCH	AU CHARGES T1310 FRANCE		
12	AU1595	1	DECAL LOAD T1310 GERMAN	AU CHARGES T1310 ALLEMAGNE		
13	AU1596	1	DECAL LOAD T1310 ENGLISH	AU CHARGES T1310 ANGLETERRE		
14	AU1597	1	DECAL LOAD T1310 DUTCH	AU CHARGES T1310 PAYS-BAS		
15	AU1598	1	DECAL LOAD T1310 DANISH	AU CHARGES T1310 DANEMARK		
16	AU1599	1	DECAL LOAD T1310 SPANISH	AU CHARGES T1310 ESPAGNE		
17	AU1600	1	DECAL LOAD T1310 FINNISH	AU CHARGES T1310 FINLANDE		
18	AU1601	1	DECAL LOAD T1310 ITALIAN	AU CHARGES T1310 ITALIE		
19	AU1602	1	DECAL LOAD T1310 PORTUGUESE	AU CHARGES T1310 PORTUGAL		
20	AU1603	1	DECAL LOAD T1310 SWEDISH	AU CHARGES T1310 SUEDE		
21	AU2075	2	DECAL INSTRUCTION T1210 NORWAY	AU CONSIGNES T1210 NORVEGE		
22	AU2076	1	DECAL LOAD T1310 NORWAY	AU CHARGES T1310 NORVEGE		
23	AU2092	2	INSTRUCTIONS T1210-T1310 ROMANIA	CONSIGNES T1210-T1310 ROUMANIE		
24	AU2094	1	DECAL LOAD T1310 ROMANIA	AU CHARGES T1310 ROUMANIE		
25	PA0840	1	T1310 FRENCH DECALS	AUTOCOLLANTS FRANCE T1310		
26	PA0841	1	T1310 GERMANY DECALS	AUTOCOLLANTS ALLEMAGNE T1310		
27	PA0842	1	T1310 UK DECALS	AUTOCOLLANTS GB T1310		
28	PA0843	1	T1310 DUCH DECALS	AUTOCOLLANTS HOLLANDE T1310		
29	PA0844	1	T1310 DENMARK DECALS	AUTOCOLLANTS DANEMARK T1310		
30	PA0845	1	T1310 SPAIN DECALS	AUTOCOLLANTS ESPAGNE T1310		
31	PA0846	1	T1310 FINLAND DECALS	AUTOCOLLANTS FINLANDE T1310		
32	PA0847	1	T1310 ITALY DECALS	AUTOCOLLANTS ITALIE T1310		
33	PA0848	1	T1310 PORTUGUESE DECALS	AUTOCOLLANTS PORTUGAL T1310		
34	PA0849	1	T1310 SWEDEN DECALS	AUTOCOLLANTS SUEDE T1310		
35	PA1071	1	T1310 NORWAY DECALS	AUTOCOLLANTS NORVEGE T1310		
36	PA1081	1	T1310 ROMANIA DECALS	AUTOCOLLANTS ROUMANIE T1310		

# SECTION 13 APPENDIX G

FIGURE 13-1-1. COUNTRIES DECAL / AUTOCOLLANTS PAYS (CONTINUED)

DET REP	PARTNUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION



# **SECTION 14 OPTIONS**

# SECTION 14 OPTIONS

## FIGURE 14-1. 115V PLATFORM SOCKET INSTALL / INSTALLATION PRISE 115V

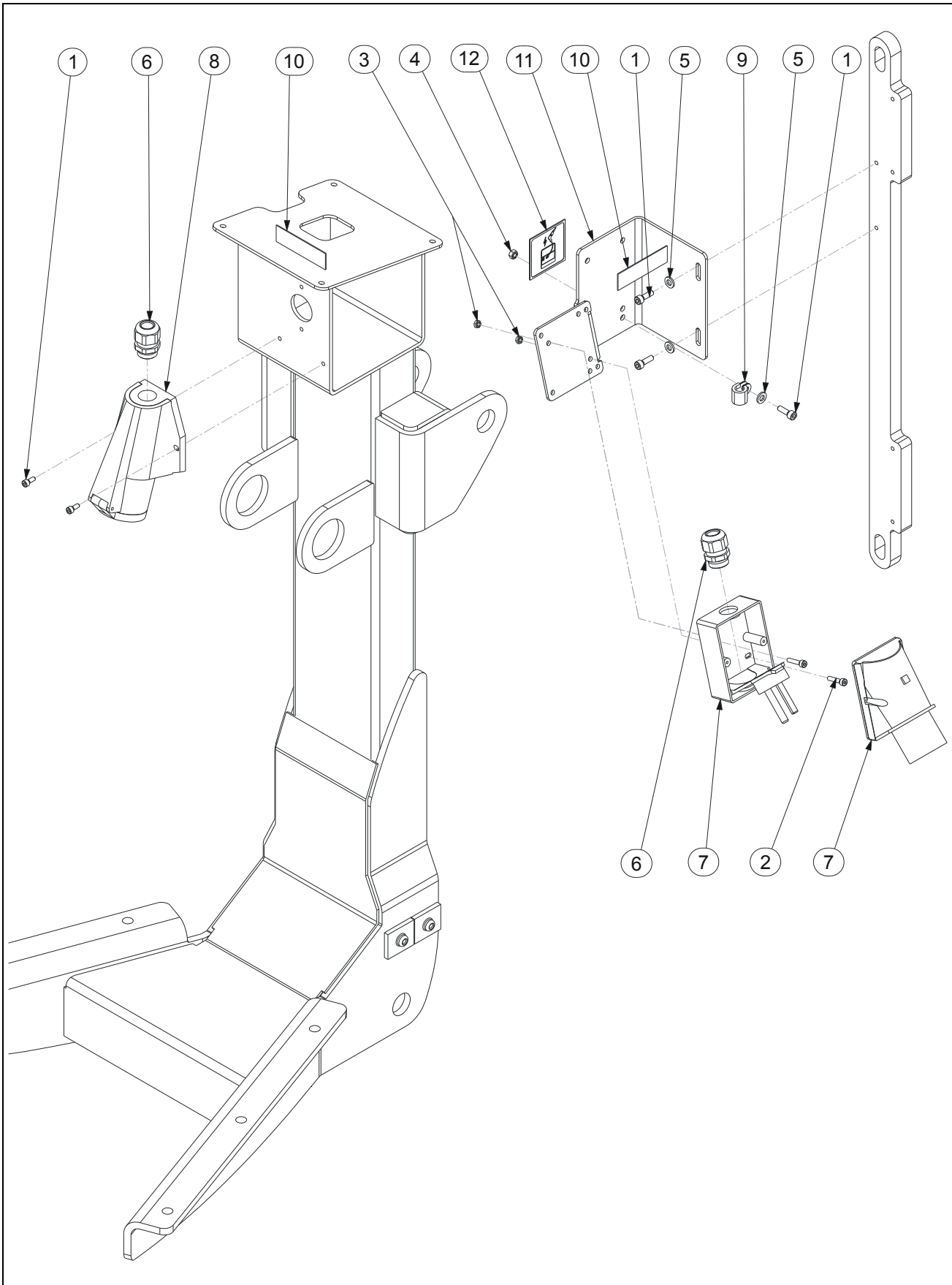


FIGURE 14-1. 115V PLATFORM SOCKET INSTALL / INSTALLATION PRISE 115V

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>OP443</b>		<b>115VAC PLATFORM SOCKET INSTALL</b>	<b>INSTALLAT° PRISE PLATE-FORME 115VAC</b>		<b>OP443</b>
1	000003	5	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT		
2	000085	2	M04x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M04x16 8.8 BI FT		
3	110001	2	M04 GR. 8.8 LOCK NUT	ECROU FREIN M4 8.8 BI		
4	110002	1	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
5	120002	3	M05 WASHER	RONDELLE M05 BI		
6	210019	2	GLAND N°13	PRESSE ETOUPE N°13		
7	260257	1	115 VAC SURFACE PLUG	PRISE MALE FIXE 115VAC		
8	260258	1	115 VAC SURFACE SOCKET	PRISE FEMELLE FIXE 115VAC		
9	400034	1	COLLAR	COLLIER		
10	AU1162	2	115 VAC DECAL	AUTOCOLLANT 115VAC		
11	SD0598	1	115/230VAC SOCKET SUPPORT	SUPPORT PRISE 230/115VAC		
12	AU1716	1	PLATFORM SOCKET DECAL	AUTOCOLLANT PRISE PANIER		

# SECTION 14 OPTIONS

## FIGURE 14-2. 230V PLATFORM SOCKET INSTALL / INSTALLATION PRISE 230V

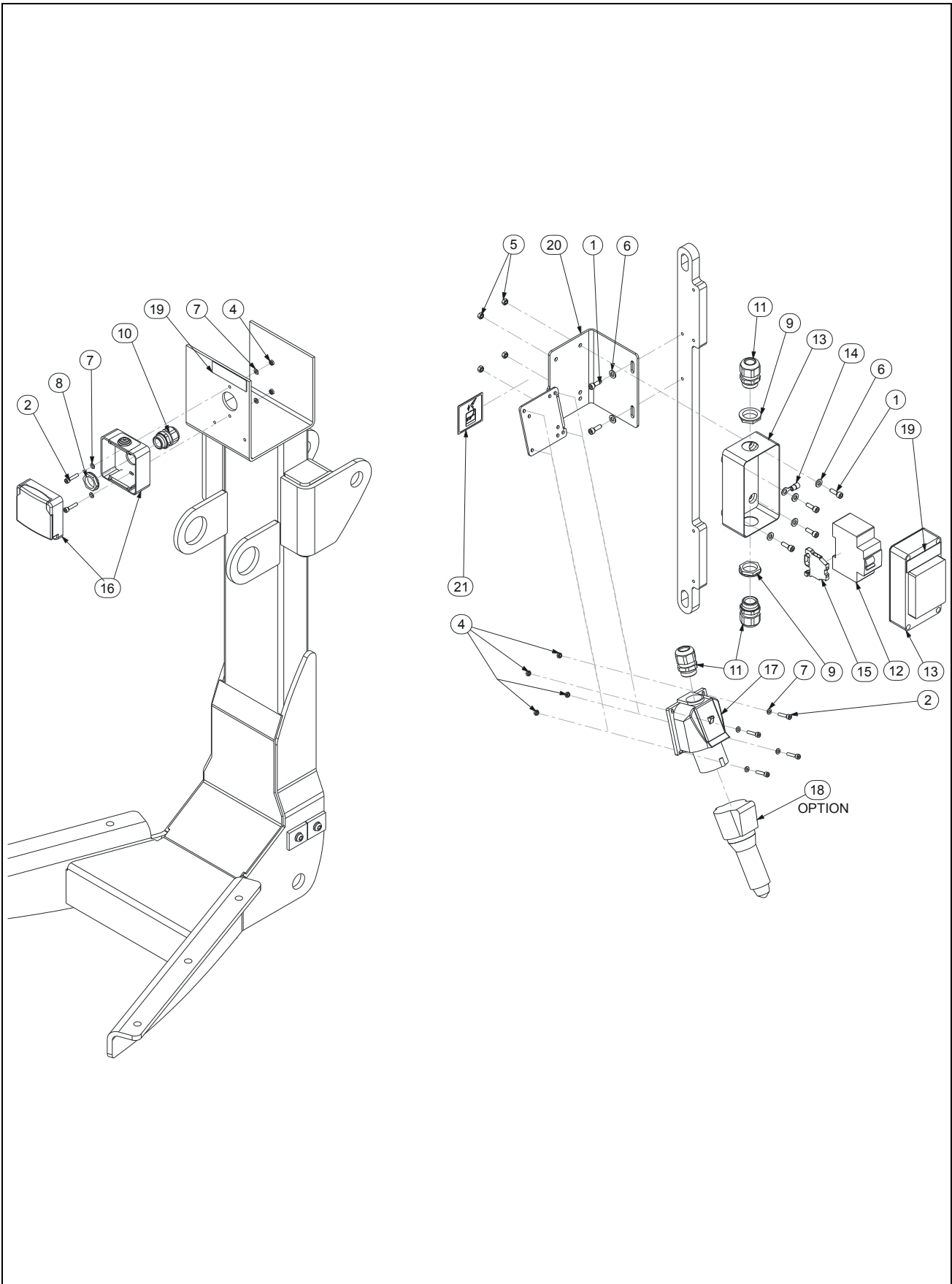


FIGURE 14-2. 230V PLATFORM SOCKET INSTALL / INSTALLATION PRISE 230V

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>OP423</b>		<b>230V FRENCH PLATFORM SOCKET INSTALL</b>	<b>INSTALLAT° PRISE PLATE-FORME 230V FRANCE</b>		<b>OP423</b>
	<b>OP430</b>		<b>230V GERMAN PLATFORM SOCKET INSTALL</b>	<b>INSTALLAT° PRISE PLATE-FORME 230V ALLEMANDE</b>		<b>OP430</b>
1	000003	6	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT		
2	000020	6	M04x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M04x20 8.8 BI FT		
3			NOT REQUIRED	NON REQUIS		
4	110001	6	M04 GR. 8.8 LOCK NUT	ECROU FREIN M4 8.8 BI		
5	110002	4	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
6	120002	6	M05 WASHER	RONDELLE M05 BI		
7	120024	8	M04 LOCK WASHER	RONDELLE CONTACT M04 BI		
8	210011	1	GLAND N°13 NUT	ECROU DE PRESSE ETOUPE N°13		
9	210012	2	GLAND N°16 NUT	ECROU DE PRESSE ETOUPE N°16		
10	210019	1	GLAND N°13	PRESSE ETOUPE N°13		
11	210021	3	GLAND N°16	PRESSE ETOUPE N°16		
12	240015	1	CUTOUT 30 mA	DISJONCTEUR DIFFERENTIEL 30 mA		
13	240093	1	CUTOUT BOX	BOITIER DISJONCTEUR		
14	250096	1	M06 EYELET TERMINAL 4-6mm <sup>2</sup>	COSSE A CEIL ISOLEE M6 - 4-6mm <sup>2</sup>		
15	250135	1	TERMINAL BLOCK VICKING	BLOC DE JONCTION VICKING		
16	260029	1	FRENCH 230 VAC SOCKET 2P+T	PRISE FEM. FRANCAISE 230VAC 2P+T		
16	260187	1	GERMAN 230 VAC SOCKET 2P+T	PRISE FEM. ALLEMANDE 230VAC 2P+T		
17	260032	1	230 VAC SURFACE PLUG	PRISE MALE FIXE 230VAC		
18	260033	1	230 VAC FREE SOCKET	PRISE FEMELLE LIBRE 230VAC		
19	AU1163	2	230 VAC DECAL	AUTOCOLLANT 230VAC		
20	SD0598	1	115/230VAC SOCKET SUPPORT	SUPPORT PRISE 230/115VAC		
21	AU1716	1	PLATFORM SOCKET DECAL	AUTOCOLLANT PRISE PANIER		

# SECTION 14 OPTIONS

## FIGURE 14-3. 24V PLATFORM SOCKET INSTALL / INSTALLATION PRISE 24V

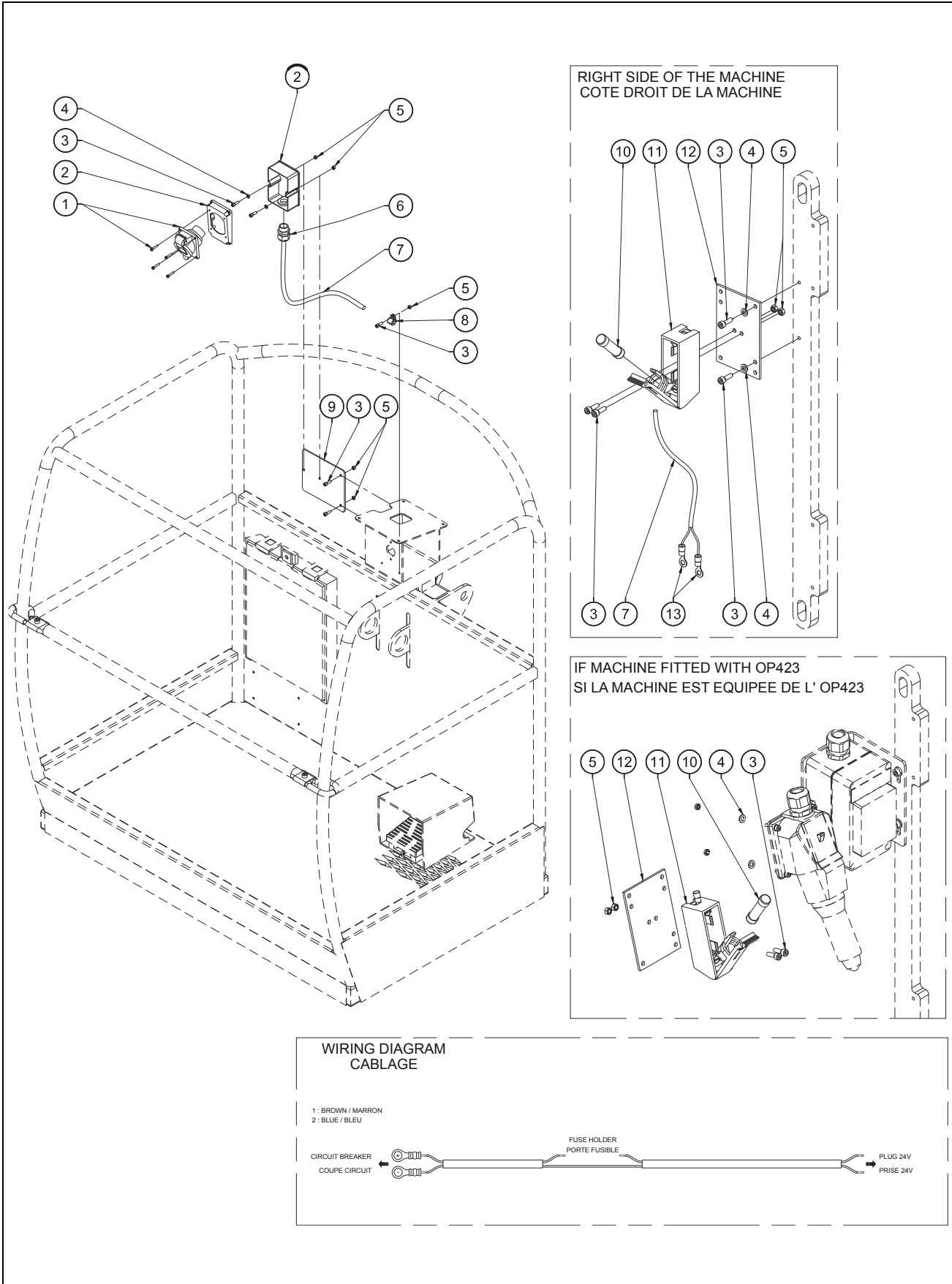


FIGURE 14-3. 24V PLATFORM SOCKET INSTALL / INSTALLATION PRISE 24V

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>OP514</b>		<b>24V PLATFORM SOCKET INSTALL</b>	<b>INSTALLATION PRISE PLATE-FORME 24V</b>		<b>OP514</b>
1	260219	1	24V SURFACE PLUG	PRISE A ENCASTRER 24V		
2	230015	1	SURFACE PLUG BOX 2P+E HYDRA	BOITIER POUR PRISE 2P+T HYDRA		
3	000003	9	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT		
4	120002	4	M05 WASHER	RONDELLE M05 BI		
5	110002	7	M05 GR08 LOCK NUT	ECROU FREIN M5 CL08 BI		
6	210021	1	GLAND N°16	PRESSE ETOUPE N°16		
7	270059	18	CABLE 3G2.5mm <sup>2</sup> Color leads (qty in meters)	CABLE 3G2.5mm <sup>2</sup> coloré (qté en mètre)		
8	400034	1	COLLAR	COLLIER		
9	FX158-045	1	SURFACE PLUG PLATE	PLATINE PRISE		
10	260277	1	gG 14X51 FUSE 16A	FUSIBLE gG 14X51 16A		
11	950030	1	FUSE HOLDER	PORTE FUSIBLE		
12	120FP438	1	FUSE HOLDER PLATE	SUPPORT PORTE FUSIBLE		
13	250172	2	M08 EYELET TERMINAL 1-2.5mm <sup>2</sup>	COSSE A CEIL ISOLEE M08 - 1-2.5mm <sup>2</sup>		

# SECTION 14 OPTIONS

## FIGURE 14-4. AIR LINE INSTALL / INSTALLATION AIR COMPRIIME

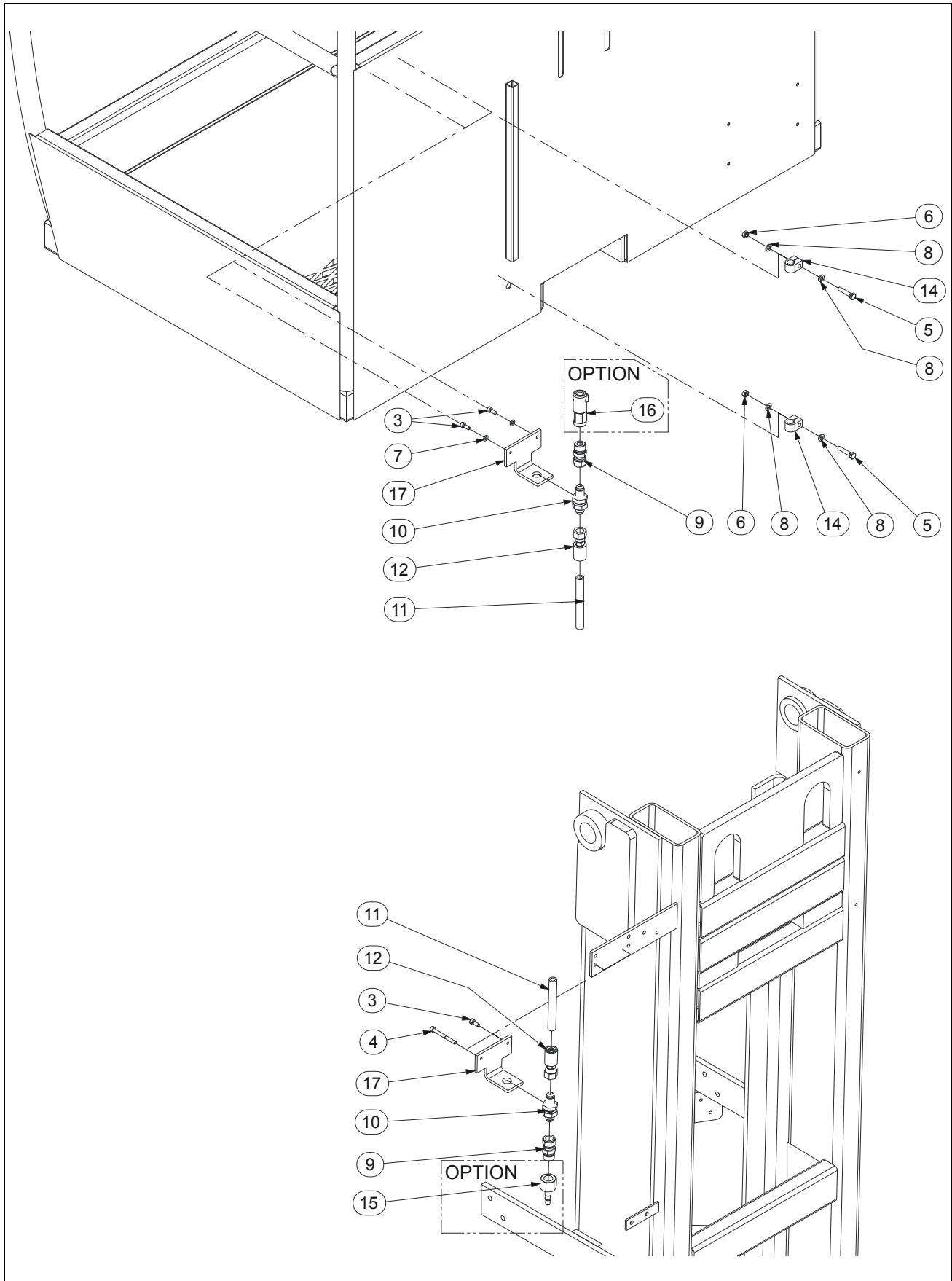




FIGURE 14-4. AIR LINE INSTALL / INSTALLATION AIR COMPRIME

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>OP445</b>		<b>COMPRESSED AIR / WATER IN PLAT-FORM</b>	<b>AIR COMPRIME / EAU EN PLATE-FORME</b>		<b>OP445</b>
1			NOT REQUIRED	NON REQUIS	B	
2			NOT REQUIRED	NON REQUIS	B	
3	000067	3	M05x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x12 8.8 BI FT		
4	000086	1	M05x50 8.8 SOCKET HEAD CAPSCREW	VIS CHC M05x50 8.8 BI FP		
5	100018	2	M06x30 8.8 HEX. HEAD MACHINE SCREW	VIS H M06x30 8.8 BI FT		
6	110003	2	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
7	120002	2	M05 WASHER	RONDELLE M05 BI		
8	120009	4	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		
9	300027	2	FITTI. MALE BSPP3/8-FEM.JIC9/16 SWIVEL	UNION MALE BSPP 3/8 -TOUR. JIC 9/16		
10	300089	1	BULKHEAD JIC 9/16	TRVERSE DE CLOISON JIC 9/16		
11	330046	14	5/16 HOSE (quantity indicated in meter)	FLEXIBLE 5/16 (quantité en mètres)		T1210
11	330046	16	5/16 HOSE (quantity indicated in meter)	FLEXIBLE 5/16 (quantité en mètres)		T1310
12	330051	2	HOSE END CONNECTION	EMBOUT DE FLEXIBLE		
13			NOT REQUIRED	NON REQUIS		
14	400047	2	SIMPLE CLAMP Ø12 mm	COLLIER SIMPLE Ø12 mm		
15	600008	1	FITTING RBE06 FEMALE 3/8" BSPP	EMBOUT RBE06 FEMELLE 3/8" BSPP		
16	600009	1	FITTING FEM RCS06 FEM 3/8" BSPP	RACCORD FEM RCS06 FEM 3/8" BSPP		
17	ST1969	2	BRACKET	EQUERRE		
18	300161	1	45° BULKHEAD JIC 9/16	TRVERSE DE CLOISON 45° JIC 9/16		

# SECTION 14 OPTIONS

**FIGURE 14-5. S/N PRIOR/AVANT #A300013260 PLATFORM WITH SOFT TOUCH FRAME / PLATE-FORME AVEC CADRE SENSIBLE**

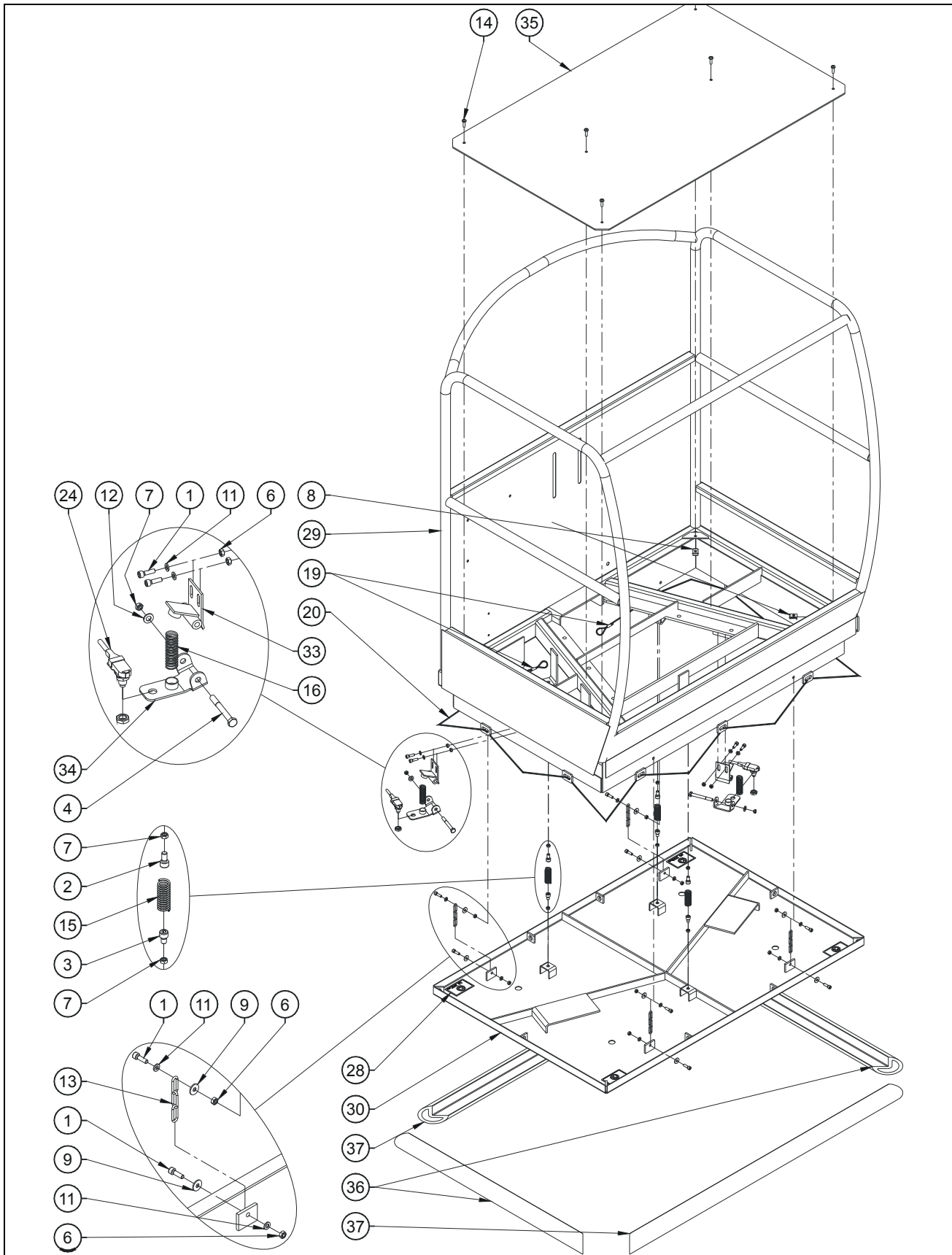
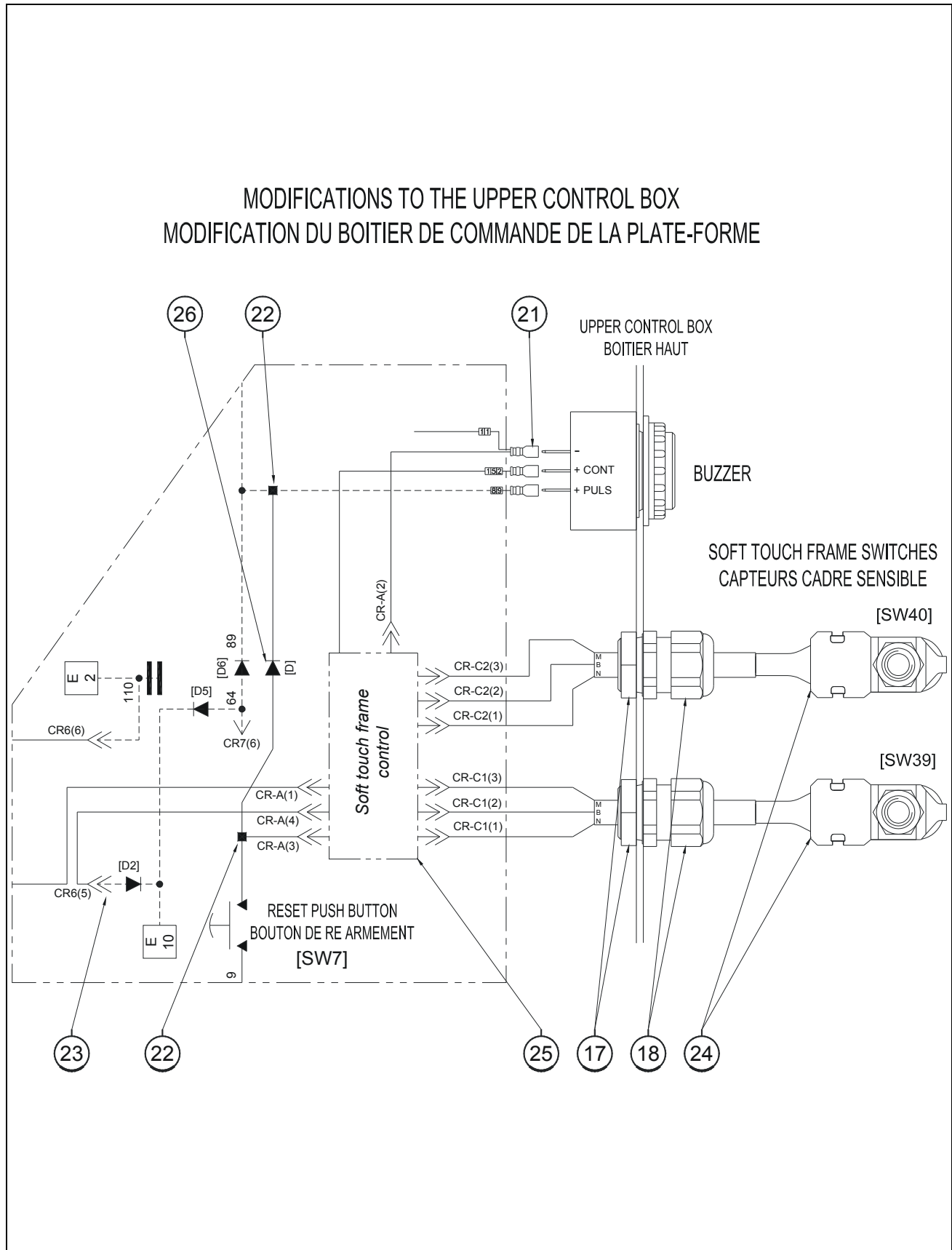


FIGURE 14-5. S/N PRIOR/AVANT #A300013260 PLATFORM WITH SOFT TOUCH FRAME / PLATE-FORME AVEC CADRE SENSIBLE



## SECTION 14 OPTIONS

**FIGURE 14-5. S/N PRIOR/AVANT #A300013260 PLATFORM WITH SOFT TOUCH FRAME / PLATE-FORME AVEC CADRE SENSIBLE**

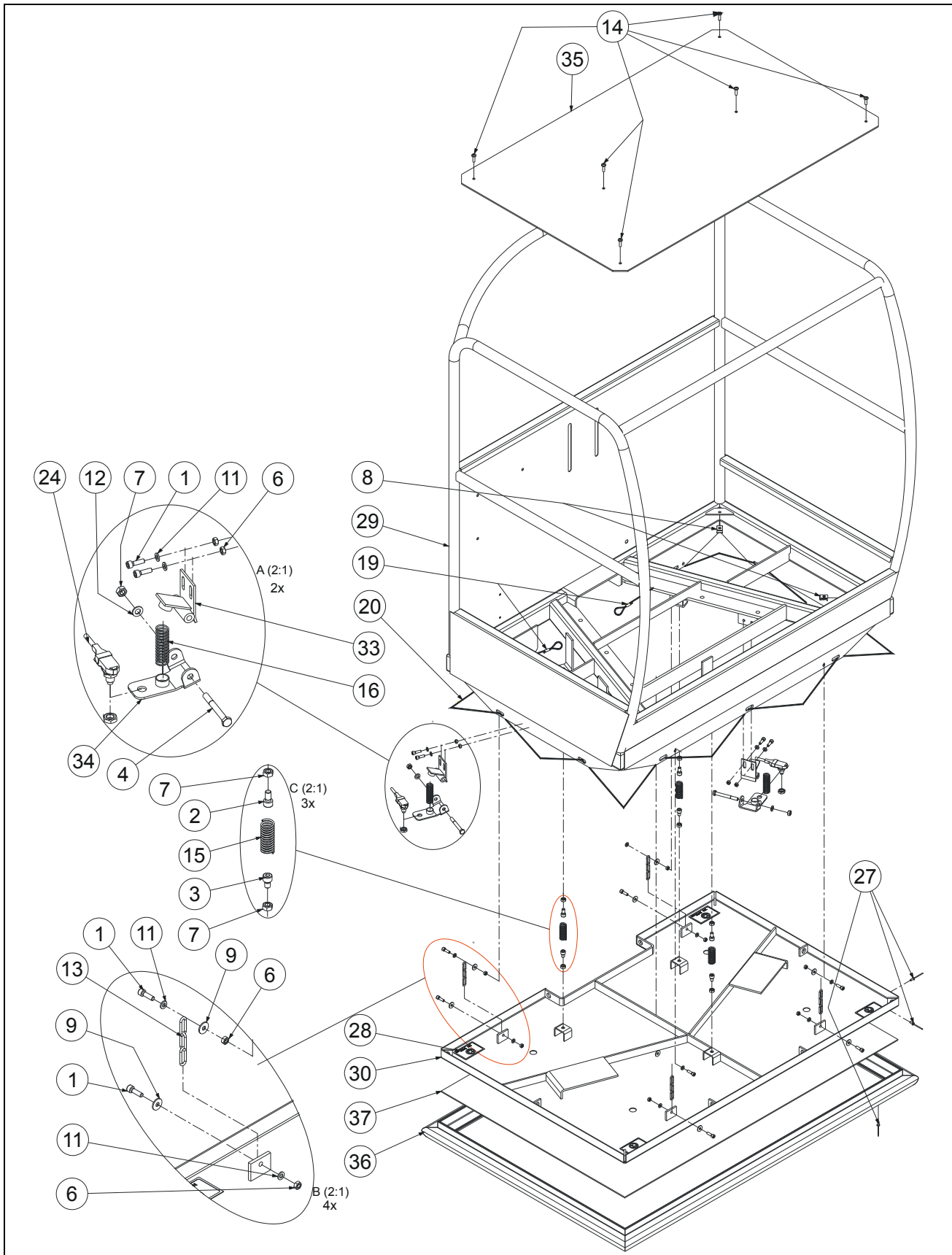
DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>PLATFORM WITH SOFT TOUCH FRAME</b>	<b>PLATE-FORME AVEC CADRE SENSIBLE</b>	<b>A</b>	<b>OPS463</b>
1	000005	12	M06x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x20 8.8 BI FT		
2	000018	3	M08x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x16 8.8 BI FT		
3	000042	3	M08x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x12 8.8 BI FT		
4	100025	2	M08x70 8.8 HEX HEAD CAPSCREW	VIS H M08x70 8.8 BI FP		
5			NOT REQUIRED	NON REQUIS		
6	110003	12	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
7	110004	8	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI		
8	110026	4	M06 CAGE HEX NUT	ECROU CAGE M06		
9	120004	8	dD 06x25 WASHER	RONDELLE dD 06x25x1.2 BI		
10			NOT REQUIRED	NON REQUIS		
11	120009	12	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		
12	120014	2	M08 WASHER	RONDELLE M08 BI		
13	120FP395	4	CHAIN	CHAINE		
14	130021	6	M06x20 8.8 ROUND HEAD MACH SCREW	VIS BOMBEE ULF M06x20 8.8 BI FT		
15	160026	3	C 170 220 0500 N SPRING	RESSORT C 170 220 0500 N		
16	160027	2	C 150 160 0630 N SPRING	RESSORT C 150 160 0630 N		
17	210009	2	GLAND N°9 NUT	ECROU DE PRESSE ETOUPE N°9		
18	210017	2	GLAND N°9	PRESSE ETOUPE N°9		
19	220009	2	CABLE CLAMP Ø6	SERRE CABLE Ø6		
20	220010	3	BUNGEE Ø8 (quantity indicated in meter)	TENDEUR Ø8 (qté indiquée en mètre)		
21	250027	1	BLUE RECEPTACLE TER. 6.3 - 1.5-2.5mm <sup>2</sup>	COSSE FEM. 6.3 BLEUE 6.3 - 1.5-2.5mm <sup>2</sup>	A	
22	250168	2	SPLICE TERMINAL 1.5-2.5	EPISSURE DE CABLE 1.5-2.5	A	
23	250190	1	SOCKET CONTACT "MOLEX MINI-FIT"	CONTACT FEMELLE "MOLEX MINI-FIT"		
24	260015	2	OVERLOAD SENSOR	DETECTEUR DE SURCHARGE		
25	290052	1	SOFT TOUCH FRAME BOARD	CARTE CADRE SENSIBLE	A	
26	260092	1	3A DIODE	DIODE 3A	A	
27		1	NOT REQUIRED	NON REQUIS	A	
28	AU0880	4	NO STEP DECAL	AUTOCOLLANT "NO STEP"		
29	FX162-007	1	PLATFORM WITH SOFT TOUCH FRAME	PLATE-FORME AVEC CADRE SENSIBLE		
30	DL0648	1	SOFT TOUCH FRAME	CADRE SENSIBLE		
31			NOT REQUIRED	NON REQUIS		
32			NOT REQUIRED	NON REQUIS		
33	DL0662	2	SETTING PLATE	PLATINE DE REGLAGE		
34	DL0663	2	SWITCH HOLDER	SUPPORT CAPTEUR		
35	FX162-018	1	PLATFORM FLOOR	PLANCHER PLATE-FORME		
36	ST2577	2	BUMPER PROFILE	PROFIL ANTI-CHOC		
37	ST2578	2	BUMPER PROFILE	PROFIL ANTI-CHOC		

**FIGURE 14-5. S/N PRIOR/AVANT #A300013260 PLATFORM WITH SOFT TOUCH FRAME / PLATE-FORME AVEC CADRE SENSIBLE (CONTINUED)**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

# SECTION 14 OPTIONS

**FIGURE 14-6. S/N SINCE/DEPUIS #A300013261 PLATFORM WITH SOFT TOUCH FRAME / PLATE-FORME AVEC CADRE SENSIBLE**





## SECTION 14 OPTIONS

**FIGURE 14-6. S/N SINCE/DEPUIS #A300013261 PLATFORM WITH SOFT TOUCH FRAME / PLATE-FORME AVEC CADRE SENSIBLE**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>PLATFORM WITH SOFT TOUCH FRAME</b>	<b>PLATE-FORME AVEC CADRE SENSIBLE</b>	<b>B</b>	<b>OPS463</b>
1	000005	12	M06x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x20 8.8 BI FT		
2	000018	3	M08x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x16 8.8 BI FT		
3	000042	3	M08x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x12 8.8 BI FT		
4	100025	2	M08x70 8.8 HEX HEAD CAPSCREW	VIS H M08x70 8.8 BI FP		
5			NOT REQUIRED	NON REQUIS		
6	110003	12	M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		
7	110004	8	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI		
8	110026	4	M06 CAGE HEX NUT	ECROU CAGE M06		
9	120004	8	dD 06x25 WASHER	RONDELLE dD 06x25x1.2 BI		
10			NOT REQUIRED	NON REQUIS		
11	120009	12	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		
12	120014	2	M08 WASHER	RONDELLE M08 BI		
13	120FP395	4	CHAIN	CHAINE		
14	130021	6	M06x20 8.8 ROUND HEAD MACH SCREW	VIS BOMBEE ULF M06x20 8.8 BI FT		
15	160026	3	C 170 220 0500 N SPRING	RESSORT C 170 220 0500 N		
16	160027	2	C 150 160 0630 N SPRING	RESSORT C 150 160 0630 N		
17	210009	2	GLAND N°9 NUT	ECROU DE PRESSE ETOUPE N°9		
18	210017	2	GLAND N°9	PRESSE ETOUPE N°9		
19	220009	2	CABLE CLAMP Ø6	SERRE CABLE Ø6		
20	220010	3	BUNGEE Ø8 (quantity indicated in meter)	TENDEUR Ø8 (qté indiquée en mètre)		
21	250027	1	BLUE RECEPTACLE TER. 6.3 - 1.5-2.5mm <sup>2</sup>	COSSE FEM. 6.3 BLEUE 6.3 - 1.5-2.5mm <sup>2</sup>	A	
22	250168	2	SPLICE TERMINAL 1.5-2.5	EPISSURE DE CABLE 1.5-2.5	A	
23	250190	1	SOCKET CONTACT "MOLEX MINI-FIT"	CONTACT FEMELLE "MOLEX MINI-FIT"		
24	260015	2	OVERLOAD SENSOR	DETECTEUR DE SURCHARGE		
25	290052	1	SOFT TOUCH FRAME BOARD	CARTE CADRE SENSIBLE	A	
26	260092	1	3A DIODE	DIODE 3A	A	
27	180002	27	Ø4x10 POP RIVET	RIVET POP Ø4x10	B	
28	AU0880	4	NO STEP DECAL	AUTOCOLLANT "NO STEP"		
29	FX162-007	1	PLATFORM WITH SOFT TOUCH FRAME	PLATE-FORME AVEC CADRE SENSIBLE		
30	DL0648	1	SOFT TOUCH FRAME	CADRE SENSIBLE		
31			NOT REQUIRED	NON REQUIS		
32			NOT REQUIRED	NON REQUIS		
33	DL0662	2	SETTING PLATE	PLATINE DE REGLAGE		
34	DL0663	2	SWITCH HOLDER	SUPPORT CAPTEUR		
35	FX162-018	1	PLATFORM FLOOR	PLANCHER PLATE-FORME		
36	ST3106	2	BUMPER PROFILE KIT	JEU PROFIL ANTI-CHOC	B	
37	ST3107	2	BUMPER PLATE	PLAQUE DE PROTECTION	B	



# SECTION 14 OPTIONS

**FIGURE 14-6. S/N SINCE/DEPUIS #A300013261 PLATFORM WITH SOFT TOUCH FRAME / PLATE-FORME AVEC CADRE SENSIBLE (CONTINUED)**

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

**FIGURE 14-7. MOTION ALARM / ALARME DE MOUVEMENTS**

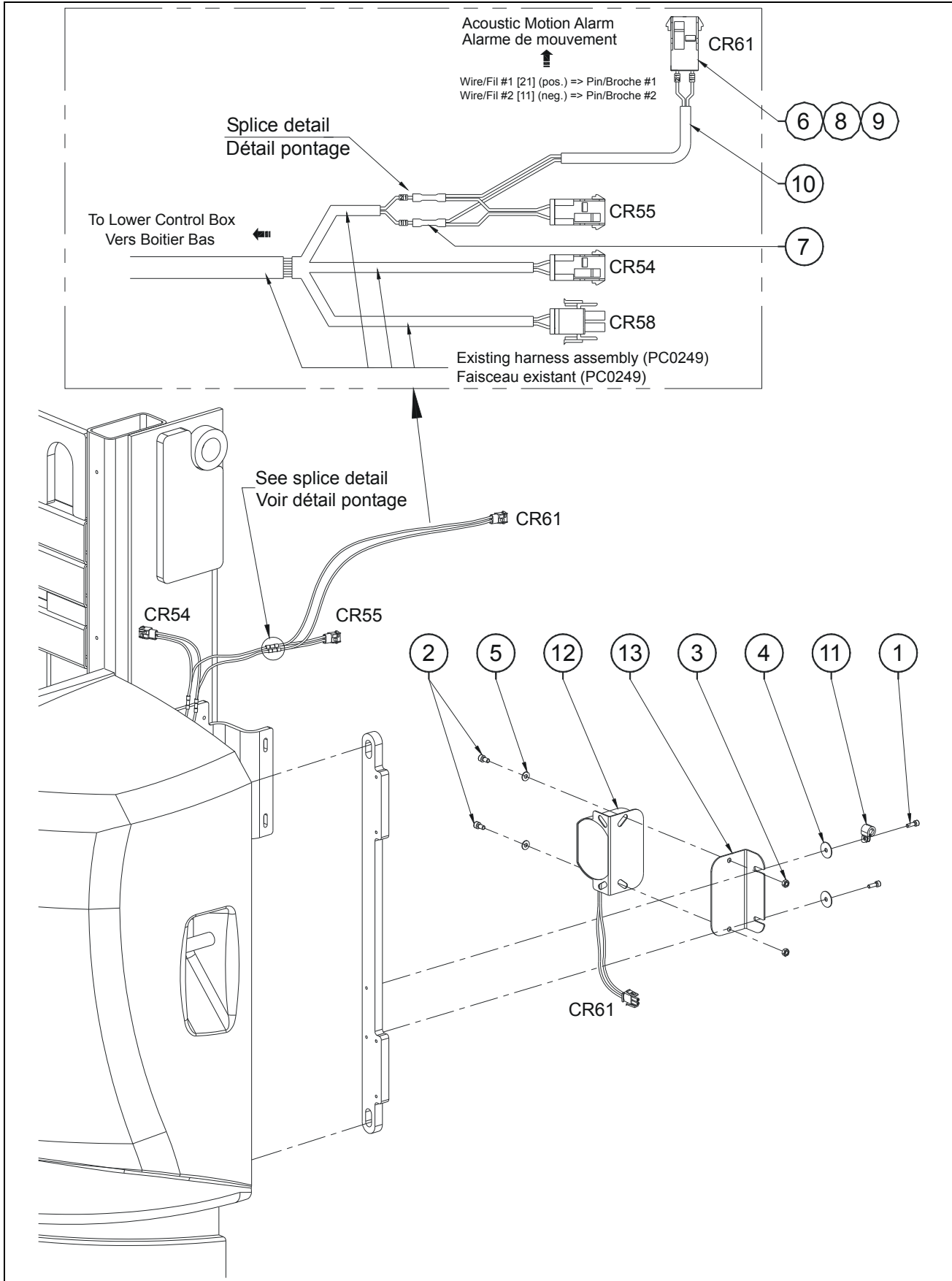


FIGURE 14-7. MOTION ALARM / ALARME DE MOUVEMENTS

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
	<b>OP513</b>		<b>ACOUSTIC MOTION ALARM INSTALL</b>	<b>INSTALLATION ALARME SONORE</b>		<b>OP513</b>
1	000003	2	M05x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x16 8.8 BI FT		
2	000014	2	M06x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x12 8.8 BI FT		
3	110003	2	M06 GR08 LOCK NUT	ECROU FREIN M6 CL08 BI		
4	120004	2	dD 06x25 WASHER	RONDELLE dD 06x25x1.2 BI		
5	120009	2	dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		
6	210033	2	SOCKET CONTACT "MATE-N-LOK"	CONTACT FEMELLE "MATE-N-LOK"		
7	250168	2	SPLICE TERMINAL 1.5-2.5	EPISSURE DE CABLE 1.5-2.5		
8	250194	1	2 POSITIONS "MNL" CAP HOUSING	CONNECTEUR FEMELLE 2 CTS "MNL"		
9	250196	1	2 POSITIONS WIRE SEAL	JOINT ARRIERE CONNECTEUR 2 CTS		
10	270031	0.4	CABLE 2x1mm <sup>2</sup> (quantity indicated in meter)	CABLE 2x1mm <sup>2</sup> (qté indiquée en mètre)		
11	400034	1	COLLAR	COLLIER		
12	PC0204	1	HARNESS ASSEMBLY-MOTION ALARM	CABLAGE ALARME DE MOUVEMENT		
13	ST3022	1	MOTION ALARM BRACKET	EQUERRE ALARME DE MOUVEMENTS		

# SECTION 14 OPTIONS

## FIGURE 14-8. WORKING LIGHT INSTALL / INSTALLATION PHARE DE TRAVAIL

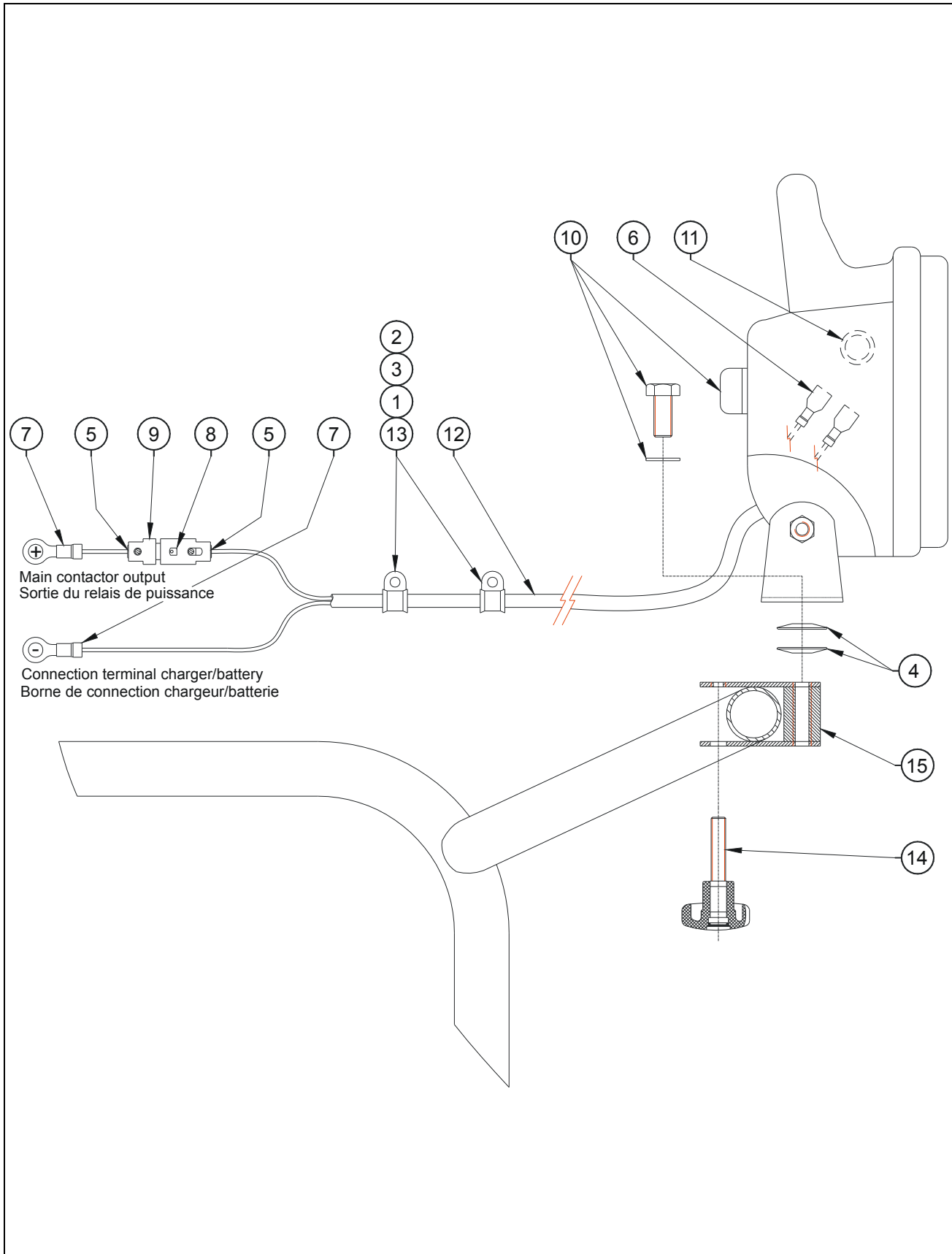


FIGURE 14-8. WORKING LIGHT INSTALL / INSTALLATION PHARE DE TRAVAIL

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>24V 70W PLATFORM LIGHT INSTALL</b>	<b>INSTALLAT PHARE DE TRAVAIL 24V 70W</b>		<b>OPS444</b>
1	000067	2	M05x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x12 8.8 BI FT		
2	110002	2	M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		
3	120002	2	M05 WASHER	RONDELLE M05 BI		
4	120043	2	SPRING WASHER Ø28x10.2x1 BLACK	RONDELLE RESSORT Ø28x10.2x1 BR		
5	250019	2	FERRULE TERMINAL 2.5mm <sup>2</sup>	EMBOUT 2.5mm <sup>2</sup>		
6	250027	2	BLUE RECEPTACLE TER. 6.3 - 1.5-2.5mm <sup>2</sup>	COSSE FEM. 6.3 BLEUE 6.3 - 1.5-2.5mm <sup>2</sup>		
7	250172	2	M10 EYELET TERMINAL 1-2.5mm <sup>2</sup>	COSSE A CEIL ISOLEE M10 - 1-2.5mm <sup>2</sup>		
8	260006	1	5x20 3.15A FUSE	FUSIBLE 5x20 3.15A		
9	260007	1	FUSE HOLDER	PORTE FUSIBLE		
10	260144	1	24V 70W LIGHT	PHARE 24V 70W		
11	260146	1	BULB H3 / 70W	AMPOULE H3 / 70W		
12	270059	19	CABLE 3G2.5mm <sup>2</sup> Color leads (qty in meters)	CABLE 3G2.5mm <sup>2</sup> coloré (qté en mètre)		T1210
12	270059	21	CABLE 3G2.5mm <sup>2</sup> Color leads (qty in meters)	CABLE 3G2.5mm <sup>2</sup> coloré (qté en mètre)		T1310
13	400034	2	COLLAR	COLLIER		
14	400049	1	STARKNOB	BOUTON ETOILE		
15	DL0416	1	LIGHT BRACKET	SUPPORT PHARE		

# SECTION 14 OPTIONS

## FIGURE 14-9. S/N SEE VIEW - PLATFORM ROTATION / ROTATION PLATE-FORME

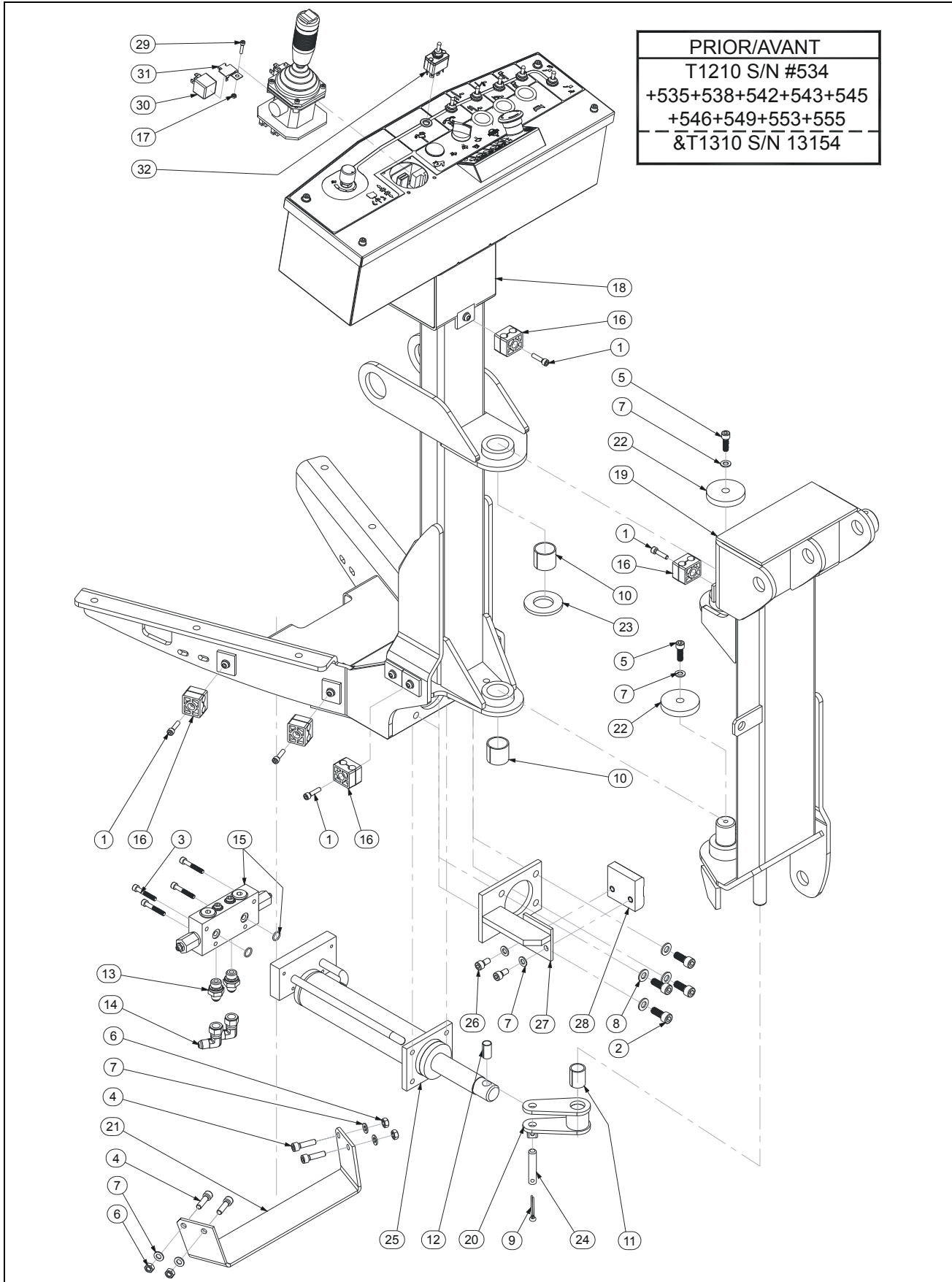
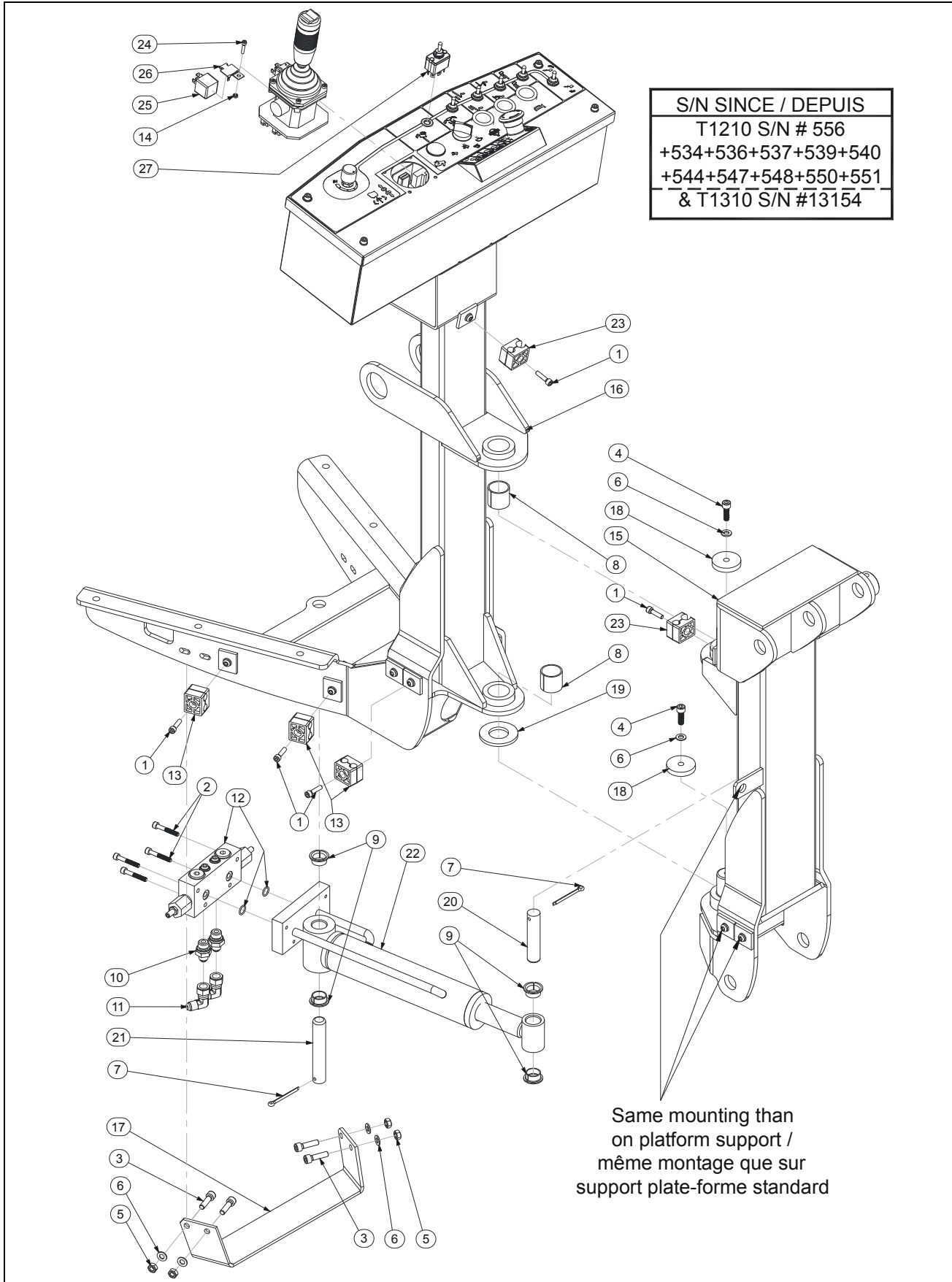


FIGURE 14-9. S/N SEE VIEW - PLATFORM ROTATION / ROTATION PLATE-FORME

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>PLATFORM ROTATION OPTION</b>	<b>OPTION ROTATION PLATE-FORME</b>	<b>E</b>	<b>SP1223</b>
1	000008	5	M06x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x25 8.8 BI FT	B	
2	000019	4	M10x35 8.8 SOCKET HEAD MACH SCREW	VIS CHC M10x35 8.8 BI FT	A	
3	000017	4	M06x40 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x40 8.8 BI FT		
4	000044	4	M08x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x30 8.8 BI FT		
5	000053	2	M08x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x25 8.8 BI FT		
6	110004	4	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI		
7	120010	8	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI	A	
8	120011	4	dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		
9	140009	1	Ø4.5x50 COTTER PIN	GOUPILLE FENDUE Ø4.5x50		
10	150001	2	BUSHING Ø30 H30 DX	BAGUE Ø30 H30 DX		
11	150010	1	BUSHING Ø20 H30 DX	BAGUE Ø20 H30 DX		
12	150015	1	BUSHING Ø12 H25 DU	BAGUE Ø12 H25 DU		
13	300040	2	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
14	300067	2	90° ELBOW M JIC9/16 F JIC9/16 SWIVEL	COUDE Male JIC9/16 Fem JIC9/16 Tour-nant		
15	310045	1	COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE		
16	400018	5	PAIR 1/2 SHELL Ø12-12	PAIRE DEMI COQUILLE Ø12-12	B	
17	110021	1	M04 GR. 8.8 HEX NUT	ECROU H M04 8.8 BI	E	
18	DL0624	1	PLATFORM SUPPORT WITH ROTATION	SUPPORT PLATE-FORME ROTATIF		
19	DL0704	1	CORRECTION COLUMN	COLONNE DE CORRECTION	C	
20	DL0626	1	CONNECTING ROD	BIELLETTE		
21	ST2557	1	PROTECTION PLATE BRACKET	ETRIER DE PROTECTION		
22	US0469	2	WASHER	RONDELLE DE BUTEE		
23	US0134	1	THRUST WASHER	RONDELLE D'APPUI		
24	US0337	1	TIE ROD PIN	AXE BIELLETTE DE DIRECTION		
25		1	PLATFORM ROTATION CYLINDER	VERIN DE ROTATION PLATE-FORME		APPENDIX A
26	000018	2	M08x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x16 8.8 BI FT	A	
27	ST2574	1	REINFORCEMENT	RENFORT	A	
28	US0321	1	SLIDE BLOCK (4 sizes: see Service Manual)	PATIN (4 épaisseurs: voir Manuel de Service)	A	
29	000020	1	M04x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M04x20 8.8 BI FT	E	
30	260019	1	1RT 24V RELAY	RELAIS 24 V 1RT	E	
31	260049	1	RELAY HOLDER	SUPPORT RELAIS	E	
32	260261	1	DOUBLE POLE TOGGLE SWITCH	INVERSEUR BIPOLAIRE	E	

# SECTION 14 OPTIONS

## FIGURE 14-10. S/N SEE VIEW - PLATFORM ROTATION / ROTATION PLATE-FORME





## SECTION 14 OPTIONS

**FIGURE 14-10. S/N SEE VIEW - PLATFORM ROTATION / ROTATION PLATE-FORME**

DET REP	PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
			<b>PLATFORM ROTATION OPTION</b>	<b>OPTION ROTATION PLATE-FORME</b>	<b>F</b>	<b>SP1223</b>
1	000008	5	M06x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x25 8.8 BI FT	B	
2	000017	4	M06x40 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x40 8.8 BI FT		
3	000044	4	M08x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x30 8.8 BI FT		
4	000053	2	M08x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x25 8.8 BI FT		
5	110004	4	M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI		
6	120010	6	dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI	D	
7	140009	2	Ø4.5x50 COTTER PIN	GOUPILLE FENDUE Ø4.5x50	D	
8	150001	2	BUSHING Ø30 H30 DX	BAGUE Ø30 H30 DX		
9	150004	4	FLANGE BUSHING Ø20 H11.5 DU	BAGUE EPAULEE Ø20 H11.5 DU	D	
10	300040	2	FITTING MALE BSPP3/8 MALE JIC9/16	RACCORD MALE BSPP3/8 MALE JIC9/16		
11	300067	2	90° ELBOW M JIC9/16 F JIC9/16 SWIVEL	COUDE Male JIC9/16 Fem JIC9/16 Tour-nant		
12	310093	1	DOUBLE COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE DOUBLE	D	
13	400018	3	PAIR 1/2 SHELL Ø12-12	PAIRE DEMI COQUILLE Ø12-12	D	
14	110021	1	M04 GR. 8.8 HEX NUT	ECROU H M04 8.8 BI	F	
15	DL0758	1	CORRECTION COLUMN	COLONNE DE CORRECTION	D	
16	DL0759	1	PLATFORM SUPPORT WITH ROTATION	SUPPORT PLATE-FORME ROTATIF	D	
17	ST2557	1	PROTECTION PLATE BRACKET	ETRIER DE PROTECTION		
18	US0469	2	WASHER	RONDELLE DE BUTEE		
19	US0134	1	THRUST WASHER	RONDELLE D'APPUI		
20	US0510	1	Ø20-90 PIN	AXE Ø20-90	D	
21	US0511	1	Ø20-115 PIN	AXE Ø20-115	D	
22		1	PLATFORM ROTATION CYLINDER	VERIN DE ROTATION PLATE-FORME	D	APPENDIX A
23	400092	2	PAIR 1/2 SHELL D12.7 / D15	PAIRE DEMI COQUILLE D12.7 / D15	D	
24	000020	1	M04x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M04x20 8.8 BI FT	F	
25	260019	1	1RT 24V RELAY	RELAIS 24 V 1RT	F	
26	260049	1	RELAY HOLDER	SUPPORT RELAIS	F	
27	260261	1	DOUBLE POLE TOGGLE SWITCH	INVERSEUR BIPOLAIRE	F	

# SECTION 14 OPTIONS

FIGURE 14-10. S/N SEE VIEW - PLATFORM ROTATION / ROTATION PLATE-FORME (CONTINUED)

DET REP	PART_NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION

**SECTION 15**  
**RECOMMENDED PART LIST /**  
**LISTE DE PIECES RECOMMANDEES**

## SECTION 15 RECOMMENDED PART LIST / LISTE DE PIÈCES RECOMMANDÉES

The following list will service one Machine with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG Industries Parts Department.

La liste suivante indique (pour une Machine) les pièces de réparation d'urgence qui peuvent être installées sur le terrain. La quantité de pièces de cette liste doit être tenue en stock minimum. Pour de plus amples informations, contactez votre SAV JLG Industries.

PART NUMBER REF.	QTY	DESCRIPTION		REV	INFORMATION
240095	1	JOYSTICK	MANIPULATEUR		SECT° 2-4-3-1
240057	1	NC CONTACT BLOCK	CONTACT NF		SECTION 2-4-3
240058	1	NO CONTACT BLOCK	CONTACT NO		SECTION 2-4-3
240060	1	TURN TO RELEASE KNOB	BOUTON D'ARRET D'URGENCE 1/4 TOUR		SECTION 2-4-3
240061	1	PUSH BUTTON	BOUTON POUSSOIR		SECTION 2-4-3
240064	1	3 POSITIONS SELECTOR	SELECTEUR 3 POSITIONS		SECTION 2-4-3
240066	1	3 POSITIONS KEY SELECTOR	SELECTEUR A CLE 3 POSITIONS		SECTION 2-4-5
260001	1	PRIOR JUNE 2011 - NO NC SWITCH PG13	AVANT JUIN 2011 - CAPTEUR NO NF PE13		SECTION 3-1
260323	1	SINCE JUNE 2011 - NO NC SWITCH PG11	DEPUIS JUIN 2011 - CAPTEUR NO NF PE11		SECTION 3-1
260326	1	NO/NC SWITCH PG13	CAPTEUR NO/NF PE13		SECTION 4-1
260327	1	NO/NC SWITCH PG11	CAPTEUR NO/NF PE11		SECTION 4-1
260328	1	NO NC SWITCH PG13	CAPTEUR NO NF PE13		SECTION 3-1
260030	1	PRIOR JUNE 2011 - 2NC SWITCH PG13	AVANT JUIN 2011 - CAPTEUR 2NF PE13		SECTION 4-1-3
260325	1	SINCE JUNE 2011 - 2NC SWITCH PG11	DEPUIS JUIN 2011 - CAPTEUR 2NF PE11		SECTION 4-1-3
260202	1	POTENTIOMETER	POTENTIOMETRE		SECTION 2-4-3
260261	2	DOUBLE POLE TOGGLE SWITCH	INVERSEUR BIPOLAIRE		SECTION 2-4-3
260265	1	CIRCUIT BREAKER 7A	DISJONCTEUR 7A		SECTION 2-4-5
260319	1	TILT SENSOR 2°	DETECTEUR DE DEVERS 2°		SECTION 3-1
290010	1	DELAY TIMER BOARD	CARTE TEMPORISATION		SECTION 2-4-5
290026	1	ENABLE BOARD	CARTE VALIDATION		SECTION 2-4-3
290032	1	"POWER PLUS" CONTROL BOARD	CARTE DE CONTRÔLE "POWER PLUS"		SECTION 2-4-5
290033	1	5 LED ELECTRONIC BOARD	CARTE ELECTRONIQUE 5 LED		SECTION 2-4-3
290036	1	UCB MAIN BOARD	CARTE MERE BOITIER HAUT		SECTION 2-4-3
290038	1	LOWER CONTROL BOX MAIN BOARD	CARTE MERE BOITIER BAS		SECTION 2-4-5
310055	1	COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE		SECTION 4-1
310077	1	COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE		SECTION 5-1
310093	1	DOUBLE COUNTER BALANCE VALVE	VALVE D'EQUILIBRAGE DOUBLE		SECTION 5-2
910058	1	KEY N°421E	CLE N°421E		SECTION 2-4-5
930127	1	OIL FILTER CARTRIDGE	CARTOUCHE DE FILTRE		SECTION 3-1-11
930130	1	FILTER CARTRIDGE	CARTOUCHE DE FILTRE		SECTION 3-1

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000003	14-3	000018	14-12	000087	3-5	100051	4-7	110004	14-12
000003	14-5	000018	14-16	000087	4-11	100053	5-11	110004	14-16
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000003	4-33	000019	14-23	000091	2-25	100091	5-8	110004	3-5
000003	4-35	000020	14-23	000091	2-29	100092	4-15	110004	4-17
000003	4-7	000020	14-25	000091	2-33	100093	3-39	110004	4-29
000003	5-4	000020	14-5	100004	4-19	100093	3-5	110004	4-31
000003	5-8	000020	2-19	100005	3-5	100140	3-5	110004	4-33
000003	6-3	000024	4-19	100005	4-11	100145	4-4	110004	4-35
000004	3-5	000026	4-19	100005	4-7	100145	5-4	110004	5-11
000004	3-5	000026	5-4	100007	10-3	100145	5-8	110004	5-4
000005	14-12	000026	5-8	100007	10-5	100146	4-11	110004	5-8
000005	14-16	000028	9-3	100007	6-3	100146	4-7	110004	6-3
000005	3-5	000030	3-5	100009	3-11	100148	4-4	110005	5-4
000005	4-11	000038	4-11	100009	3-15	100148	5-4	110005	5-8
000005	4-7	000038	4-7	100009	4-11	100148	5-8	110005	6-3
000006	10-3	000041	4-11	100009	4-7	110001	14-3	110006	4-4
000006	10-5	000041	4-7	100009	6-3	110001	14-5	110009	4-4
000006	3-31	000042	14-12	100013	4-29	110001	2-19	110010	4-4
000006	3-33	000042	14-16	100013	4-31	110001	2-29	110013	2-26
000006	5-11	000044	14-23	100013	4-33	110001	3-5	110013	2-29
000006	6-3	000044	14-25	100013	4-35	110002	1-3	110013	2-33
000007	3-5	000044	3-39	100016	1-3	110002	14-21	110013	4-4
000007	4-19	000052	2-19	100018	14-9	110002	14-3	110013	5-4
000007	4-4	000052	2-29	100019	3-39	110002	14-5	110013	5-8
000007	5-4	000053	14-23	100019	3-5	110002	14-7	110014	4-7
000007	5-8	000053	14-25	100019	4-15	110002	2-19	110016	4-11
000008	10-3	000053	4-17	100020	4-11	110002	3-5	110016	4-7
000008	14-23	000065	2-19	100020	4-7	110002	4-33	110017	3-5
000008	14-25	000065	2-25	100021	10-3	110002	4-35	110017	4-11
000008	4-19	000065	2-29	100021	10-5	110002	4-4	110017	4-7
000008	5-4	000067	14-21	100025	14-12	110002	5-4	110019	4-4
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000014	14-19	000067	2-29	100025	4-19	110003	1-3	110021	14-23
000014	4-11	000067	2-33	100027	3-5	110003	14-12	110021	14-25
000014	4-7	000067	4-17	100029	6-3	110003	14-16	110024	2-19
000014	6-3	000072	3-5	100032	4-19	110003	14-19	110024	2-25
000015	1-3	000073	4-19	100036	4-11	110003	14-9	110024	2-29
000016	10-5	000073	4-29	100036	4-7	110003	3-39	110025	4-4
000016	2-19	000073	4-5	100038	4-11	110003	3-5	110026	1-3
000016	3-5	000074	3-5	100038	4-7	110003	4-11	110026	14-12
000016	4-11	000075	3-5	100040	4-29	110003	4-15	110026	14-16
000016	4-19	000076	3-5	100040	4-31	110003	4-19	110026	2-19
000016	4-7	000076	4-11	100040	4-33	110003	4-29	110036	4-11
000016	5-4	000076	4-19	100040	4-35	110003	4-31	110036	4-19
000016	5-8	000076	4-7	100040	5-11	110003	4-33	110036	4-29
000017	14-23	000079	3-39	100040	5-4	110003	4-35	110036	4-31
000017	14-25	000083	3-5	100040	5-8	110003	4-5	110036	4-33
000017	4-7	000085	14-3	100043	3-5	110003	4-7	110036	4-35
000017	5-11	000085	2-29	100045	4-15	110003	6-3	110036	4-7

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120002	1-3	120011	4-7	150001	14-25	190073	3-13	240015	14-5
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120002	14-3	120011	9-3	150001	5-8	190073	3-39	240044	2-23
120002	14-5	120014	14-12	150002	5-4	190073	3-9	240057	15-2
120002	14-7	120014	14-16	150002	5-8	210009	14-12	240057	2-19
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120002	4-35	120017	4-4	150006	4-33	210011	2-19	240058	2-19
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RM0080	7-13	SE0689	2-29	ST1856	6-3	ST2495	1-3	ST3088	9-3
RM0082	7-17	SE0730	4-29	ST1934	2-20	ST2501	2-20	ST3090	9-3
RM0088	7-3	SE0731	4-31	ST1934	2-25	ST2502	2-20	ST3106	14-16
RM0089	7-15	SE0733	4-33	ST1934	2-30	ST2503	2-20	ST3107	14-16
RM0090	2-15	SE0733	4-35	ST1934	2-33	ST2505	2-20	ST3139	3-7
RM0091	2-17	SE0741	3-33	ST1935	2-20	ST2505	2-25	ST3473	1-4
SD0345	4-4	SE0741	3-7	ST1935	2-25	ST2505	2-30	TPA0946	13-5
SD0404	8-5	SE0741	3-7	ST1935	2-30	ST2507	2-25	US0044	4-15
SD0451	4-33	SE0748	3-17	ST1969	14-9	ST2508	9-3	US0045	4-15
SD0452	4-31	SE0748	3-7	ST1971	3-7	ST2509	9-3	US0134	14-23
SD0453	4-29	SE0750	3-39	ST2063	2-20	ST2511	2-25	US0134	14-25
SD0464	4-4	SE0750	3-45	ST2322	4-12	ST2527	1-4	US0180	3-7
SD0598	14-3	SE0751	3-39	ST2322	4-8	ST2553	4-19	US0190	4-12
SD0598	14-5	SE0751	3-47	ST2350	5-4	ST2557	14-23	US0190	4-8
SD0605	4-33	SE0791	3-21	ST2350	5-8	ST2557	14-25	US0203	4-5
SD0605	4-35	SE0791	3-25	ST2351	4-19	ST2559	7-7	US0204	4-5
SD0613	4-15	SE1003	3-6	ST2351	5-4	ST2564	2-20	US0208	4-5
SD0627	4-19	SE1003	4-17	ST2351	5-8	ST2567	7-9	US0321	14-23
SD0628	2-25	SP0722	3-9	ST2352	5-4	ST2574	14-23	US0337	14-23
SD0629	2-33	SP0723	3-13	ST2352	5-8	ST2577	14-12	US0375	4-31
SD0643	2-33	SP0765	2-13	ST2383	1-3	ST2578	14-12	US0376	4-33
SD0683	2-30	SP0765	2-9	ST2395	4-17	ST2580	4-4	US0377	4-29
SE0520	4-12	SP1203	4-15	ST2396	1-3	ST2581	4-4	US0383	4-15
SE0520	4-19	SP1206	3-21	ST2407	6-3	ST2582	4-4	US0451	4-15
SE0520	4-29	SP1214	5-11	ST2424	1-3	ST2595	3-7	US0457	5-5
SE0520	4-31	SP1215	5-4	ST2425	1-3	ST2598	6-3	US0457	5-9
SE0520	4-33	SP1215	5-8	ST2426	1-3	ST2599	6-3	US0458	5-5
SE0520	4-35	SP1218	4-17	ST2427	5-11	ST2601	4-5	US0458	5-9
SE0520	4-8	SP1219	1-3	ST2428	5-11	ST2602	4-5	US0459	5-5
SE0524	3-21	SP1223	14-23	ST2429	5-11	ST2603	4-5	US0459	5-9
SE0524	3-23	SP1223	14-25	ST2430	3-39	ST2604	4-5	US0460	4-33
SE0527	3-27	SP1225	8-3	ST2446	3-7	ST2605	7-3	US0460	4-35
SE0527	3-7	SP1226	8-5	ST2449	4-4	ST2610	3-7	US0464	3-7
SE0534	4-20	SP1228	10-3	ST2449	5-4	ST2611	3-7	US0465	4-5
SE0534	4-23	SP1238	9-3	ST2453	8-5	ST2613	7-15	US0469	14-23
SE0554	3-39	SP1300	4-4	ST2454	8-5	ST2616	3-31	US0469	14-25
SE0554	3-41	SP1301	3-31	ST2455	8-3	ST2616	3-33	US0475	4-29
SE0568	4-20	SP1302	4-11	ST2456	8-3	ST2620	4-5	US0478	4-33
SE0568	4-27	SP1302	4-7	ST2465	7-5	ST2623	1-3	US0478	4-35
SE0570	3-35	SP1304	2-25	ST2468	7-11	ST2624	4-19	US0479	4-31
SE0570	3-7	SP1312	3-5	ST2470	7-13	ST2627	1-3	US0490	5-5
SE0572	2-13	SP1313	3-39	ST2471	7-17	ST2734	3-7	US0490	5-9
SE0572	2-19	SP1320	6-3	ST2477	4-12	ST2739	5-5	US0491	5-5
SE0572	2-19	SP1332	4-19	ST2477	4-8	ST2740	5-5	US0491	5-9
SE0572	2-9	SP1333	4-29	ST2485	4-12	ST2887	2-30	US0492	5-4
SE0574	2-33	SP1334	4-31	ST2485	4-8	ST2889	4-17	US0492	5-8
SE0574	2-9	SP1335	4-33	ST2487	10-3	ST2924	7-11	US0493	5-4
SE0574	3-7	SP1336	4-35	ST2487	10-5	ST2956	7-17	US0493	5-9
SE0574	3-7	ST0099	4-4	ST2488	10-3	ST2989	5-8	US0494	5-11
SE0631	2-13	ST0120	4-4	ST2488	10-5	ST2990	5-9	US0495	5-11
SE0631	2-33	ST0736	6-3	ST2489	10-3	ST2991	5-9	US0510	14-25
SE0631	2-9	ST0752	4-4	ST2490	1-3	ST3022	14-19	US0511	14-25





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