



**MODEL**  
**TOUCAN Junior 8**



**SPARE PARTS MANUAL**  
**MANUEL DE PIÈCES DÉTACHÉES**

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Updated : 01-2005

MA0241-06  
English/French





DISTRIBUTOR STAMP / CACHET DISTRIBUTEUR

**MACHINE SERIAL NUMBER :**

**NUMERO DE SERIE MACHINE :**

*TOUCAN Junior 8* \_\_\_\_\_

*TOUCAN Junior 8 DI* \_\_\_\_\_



Cert. N° FM 40826

Edition 01-2005  
**MA0241-06**



# **SPARE PARTS**

## **TO ORDER PARTS**

**IT IS ESSENTIAL TO SUPPLY THE FOLLOWING INFORMATION ON PARTS ORDERS SO THAT YOUR ORDER CAN BE PROPERLY EXPEDITED.**

1. Give model and serial number of your machine. This information is found on the serial number plate mounted on the mast n°1 on the front of the platform.
2. Give complete information on the parts requested including the part number, description, and quantity.
3. Give the specific major unit for which the item is required, such as : frame, mast, cylinder, platform, control box, etc.
4. Give complete "ship-to" address and specify the exact method of shipment wanted.
5. Specify the urgency of the parts order by designating the priority (emergency or stock).

### **NOTE**

**When placing telephone order, please record with whom you spoke and date, so that follow-up telephone conversations are processed without confusion.**

# **PIECES DETACHEES**

## **POUR PASSER COMMANDE**

**AFIN QUE VOTRE COMMANDE SOIT CORRECTEMENT TRAITEE, IL EST NECESSAIRE DE FOURNIR LES INFORMATIONS SUIVANTES SUR LE BON DE COMMANDE.**

1. Noter le modèle et le numéro de série de votre machine. Ces informations se trouvent sur la plaque constructeur qui est fixée sur l'avant de la machine, sur l'élément de mât n°1.
2. Noter entièrement les renseignements sur les articles en commande : référence de la pièce, description et quantité.
3. Indiquer l'unité principale pour laquelle la pièce est commandée : châssis, mât, vérin, plate-forme, boîtier de commande, etc...
4. Noter l'adresse complète du destinataire et indiquer le mode d'expédition souhaité.
5. Spécifier l'urgence des pièces commandées en indiquant leur priorité (urgence ou stock).

### **NOTE**

**Si vous passez une commande téléphonique, noter le nom de votre interlocuteur et la date afin que le suivi de votre entretien se fasse sans confusion.**

# TOUCAN Junior 8

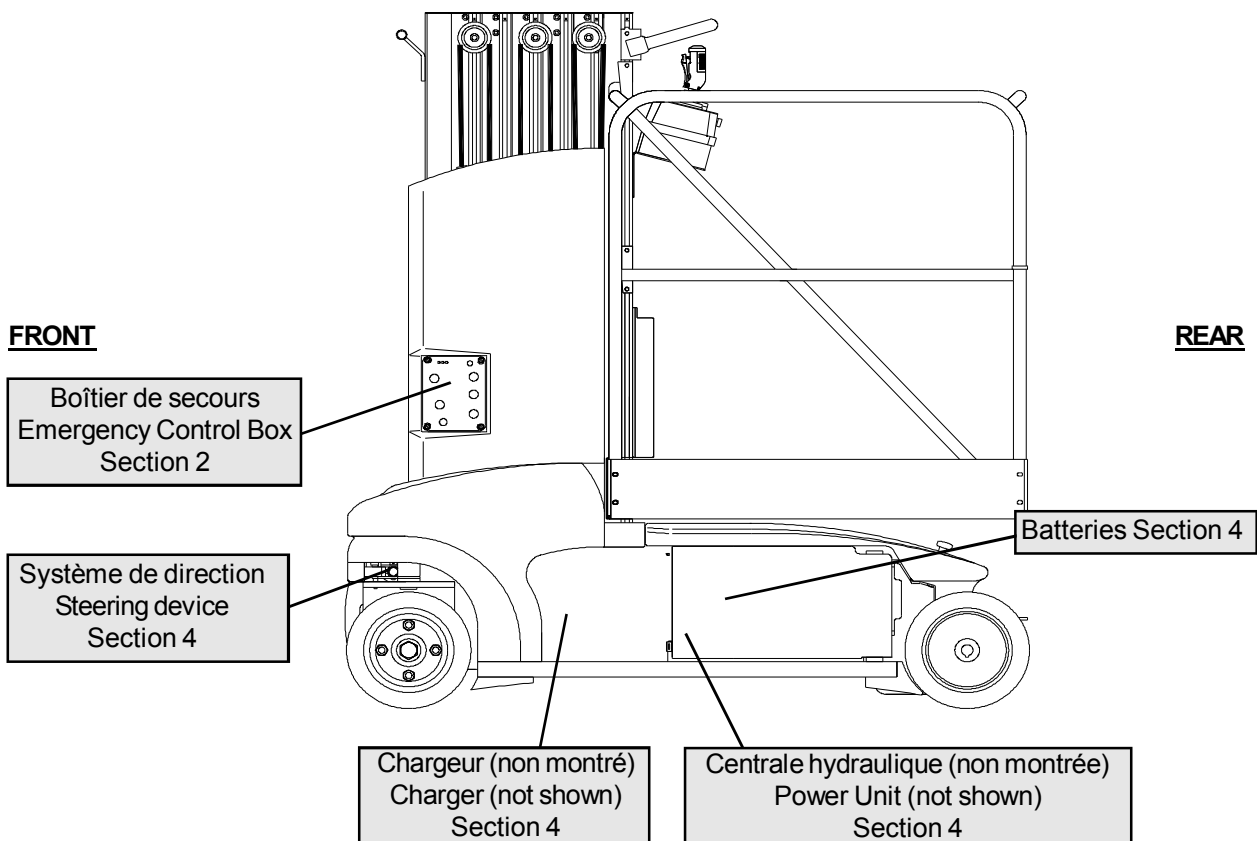
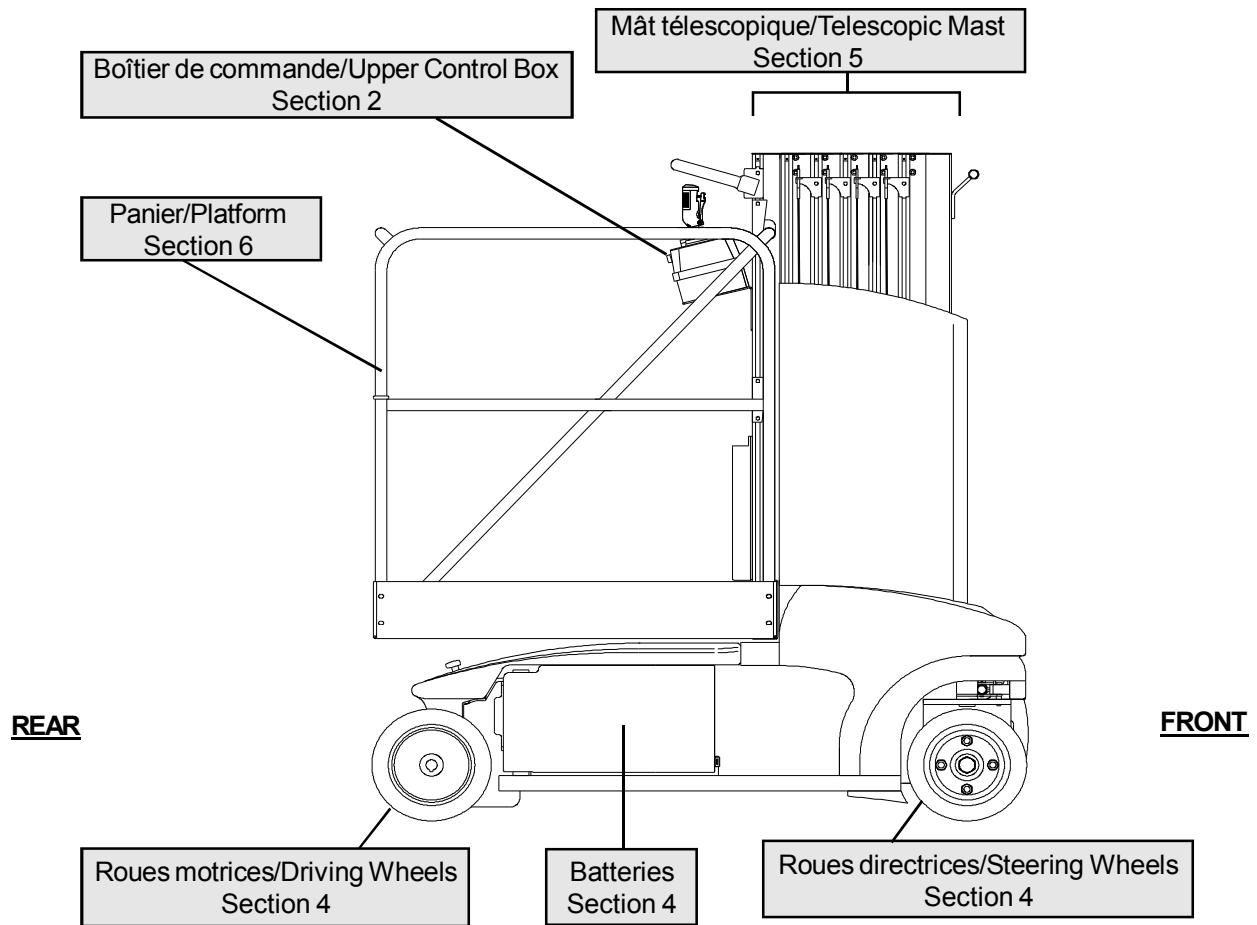


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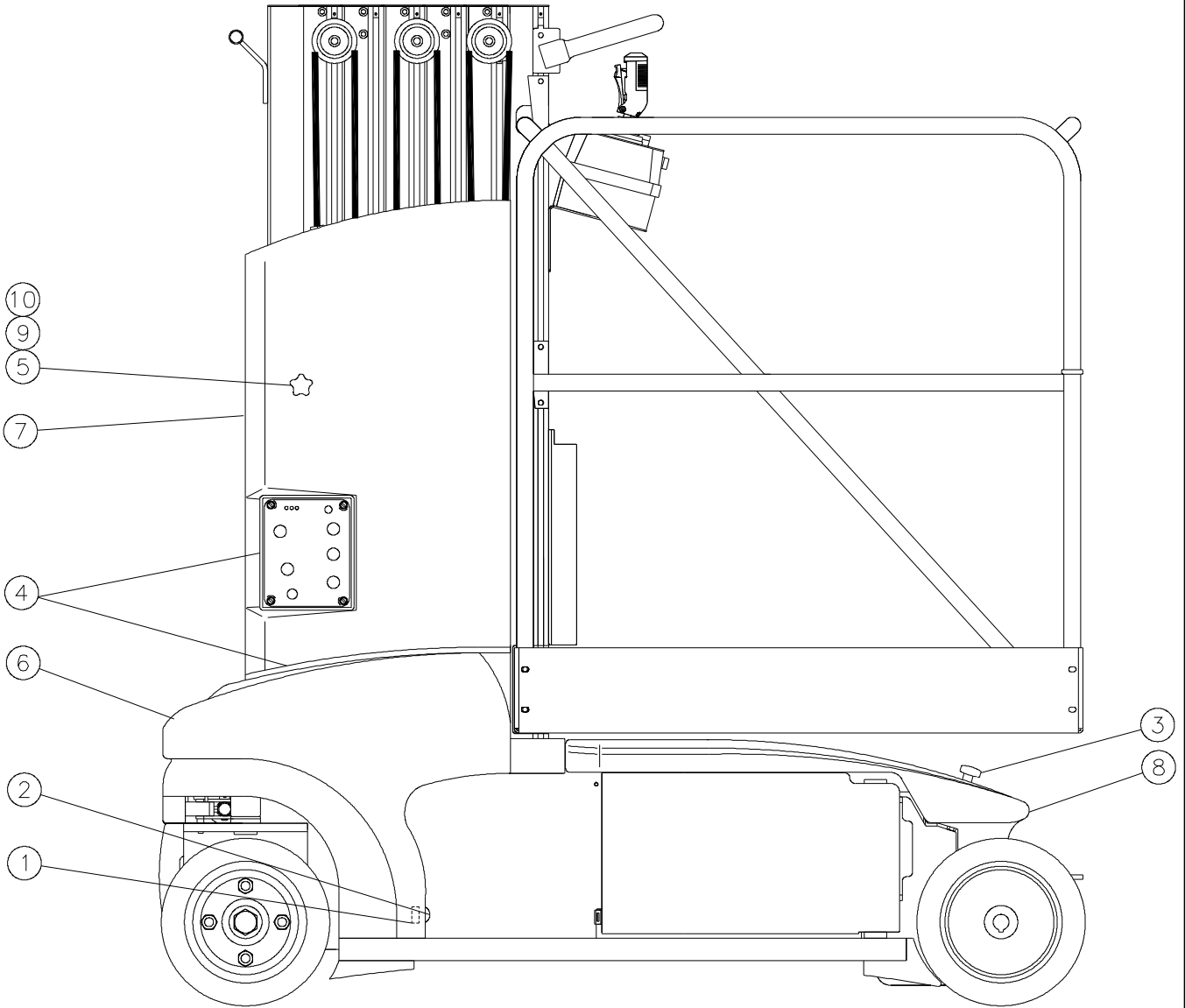
***SPARE PARTS***  
***PIECES DETACHEES***

**SECTION 1**

**COVERS INSTALL.**  
**INSTALLATION CAPOTS.**



# COVERS INSTALL INSTALLATION CAPOTS





ISSUE DATE : 05/01/05

## LOWER CONTROL BOX COVER OPTION

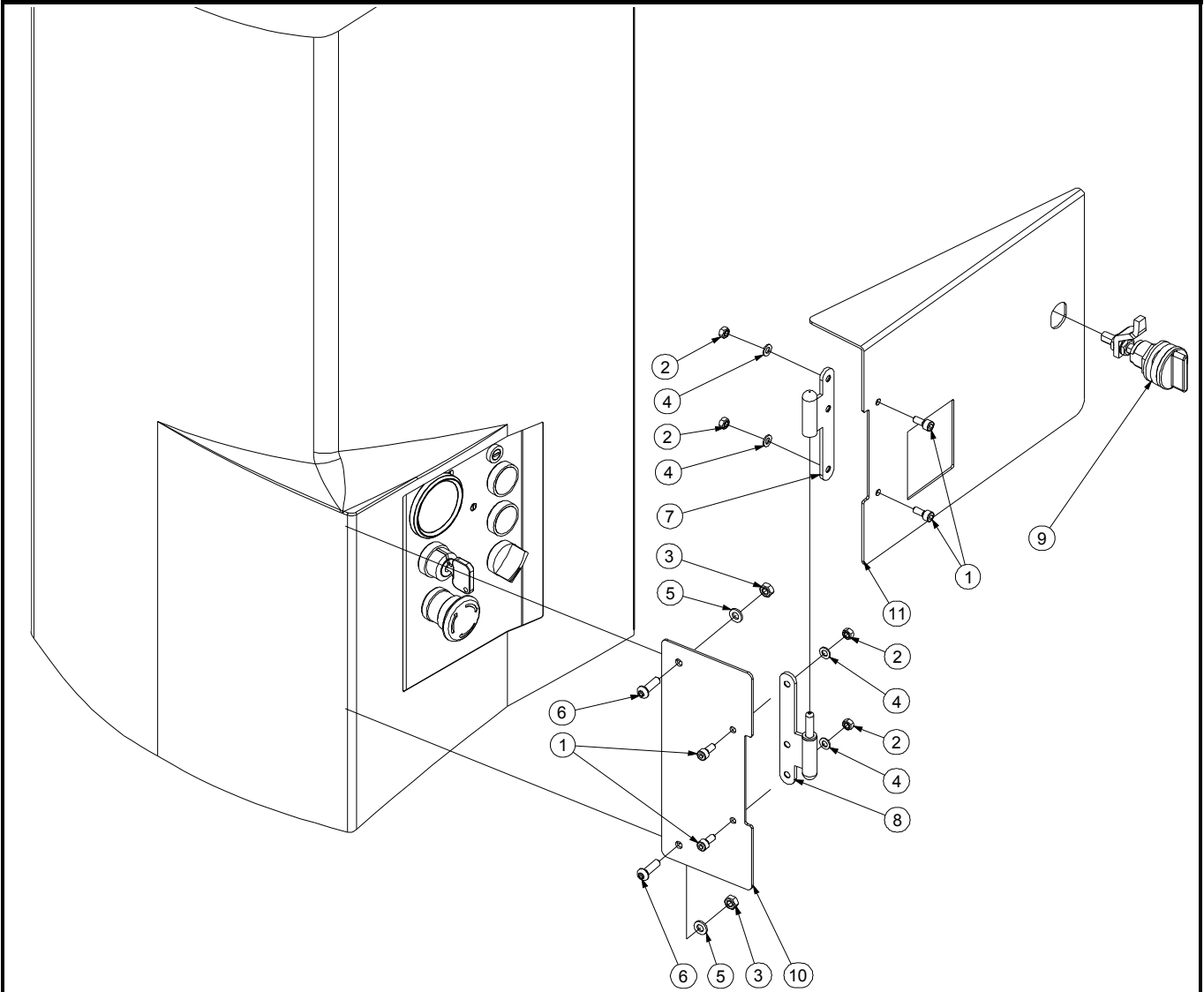
ISSUE REL :

ASSEMBLY N° : OPS482 REV :  
 N° ENSEMBLE :

## OPTION CAPOT BOITIER BAS

1/1

DET REP	PART NUMBER REF.	SEE VIEW VOIR VUE	DESCRIPTION		R E V	QTY QTE
1	000067		M05x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x12 8.8 BI FT		4
2	110002		M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI		4
3	110003		M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		2
4	120002		M05 WASHER	RONDELLE M05 BI		4
5	120009		dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		2
6	130002		M06x20 6.8 ROUND HEAD MACH SCREW	VIS BOMBEE M06x20 6.8 BI FT		2
7	190032		FEMALE HINGE	PAUMELLE FEMELLE		1
8	190033		MALE HINGE	PAUMELLE MALE		1
9	190037		ROTARY LATCH	LOQUET		1
10	ST2904		COVER SUPPORT	SUPPORT COUVERCLE		1
11	ST2905	Duo	CONTROL BOX COVER	COUVERCLE BOITIER BAS		1
11	ST2906	Junior	CONTROL BOX COVER	COUVERCLE BOITIER BAS		1



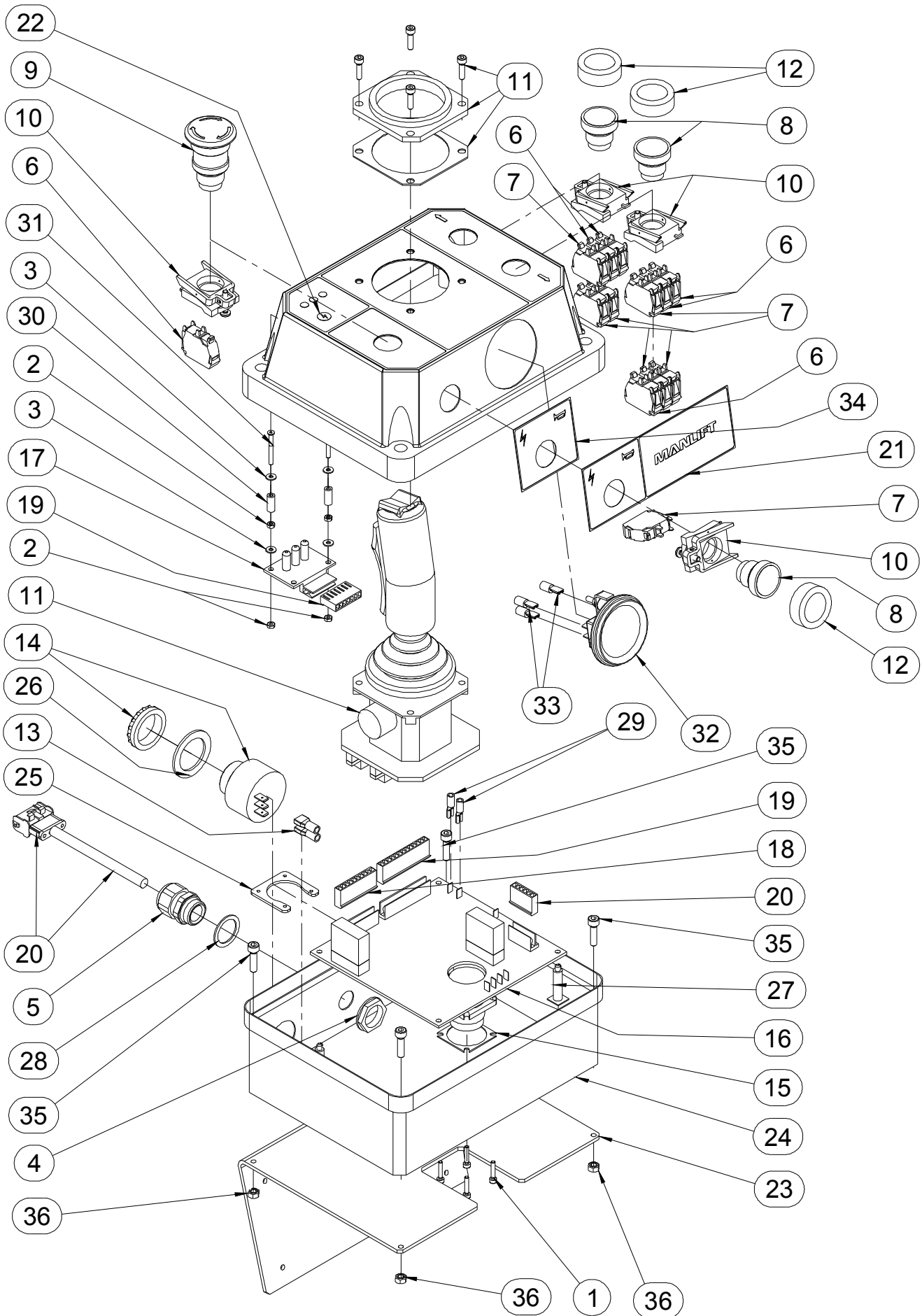
***SPARE PARTS***  
***PIECES DETACHEES***

**SECTION 2**

**ELECTRICAL INSTALL.**  
**INSTALLATION ELECTRIQUE.**



# UPPER CONTROL BOX BOITIER DE COMMANDE



ISSUE DATE : 22/06/04

**UPPER CONTROL BOX**

ISSUE REL :

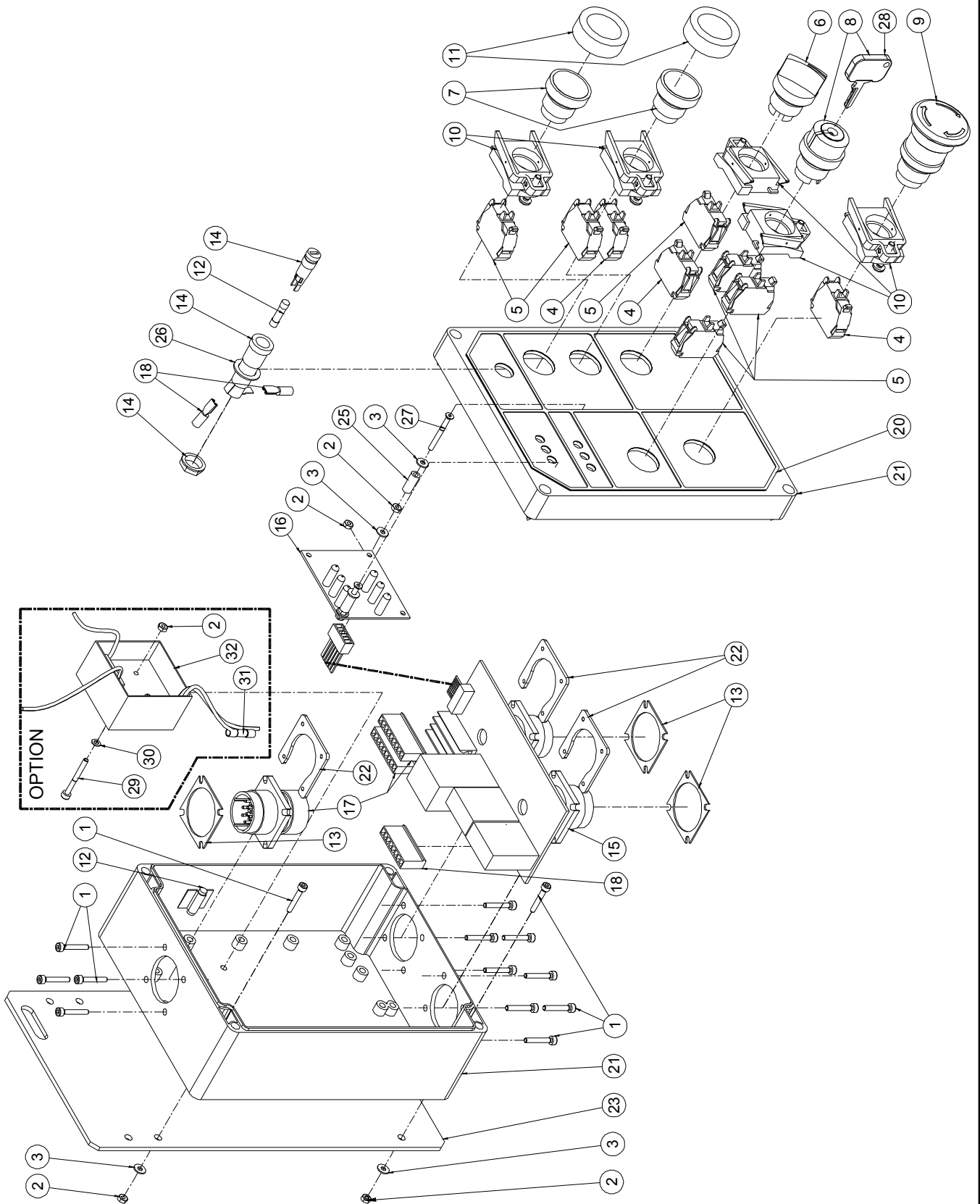
**BOITIER DE COMMANDE HAUT**

ASSY NO : SP0615 REV : D

1/1

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REVIEW	QTY REQ.
1	000091		M03x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x16 8.8 BI FT	D	4
2	110024		M03 GR. 8.8 LOCK NUT	ECROU FREIN M03 8.8 BI	D	4
3	120023		M03 LOCK WASHER	RONDELLE CONTACT M03 BI	D	4
4	210011		GLAND N°13 NUT	ECROU DE PRESSE ETOUPE N°13	C	1
5	210019		GLAND N°13	PRESSE ETOUPE N°13	C	1
6	240057		NC CONTACT BLOCK	CONTACT NF	A	6
7	240058		NO CONTACT BLOCK	CONTACT NO	A	7
8	240061		PUSH BUTTON	BOUTON POUSSOIR		3
9	240060		TURN TO RELEASE KNOB	BOUTON D'ARRET D'URGENCE 1/4 TOUR	C	1
10	240076		CONTACT BLOCK HOLDER	EMBASE CONTACT		4
11	240080		JOYSTICK	MANIPULATEUR		1
12	240082		PUSH BUTTON CAP	CAPUCHON D'ETANCHEITE		3
13	250027		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>	B	2
14	260045		BUZZER 24 V	BUZZER 24 V		1
15	260167		18 POSITIONS CHASSIS PLUG GASCKET	JOINT CONNECTEUR 18 CONTACTS		1
16	290018		UCB ELECTRONIC BOARD	CARTE ELECTRONIQUE BOITIER HAUT		1
17	290042		DISPLAY ELECTRONIC BOARD	CARTE ELECTRONIQUE D'AFFICHAGE	C	1
18	929029		CABLE ASSEMBLY CR1	FAISCEAU ELECTRIQUE CR1		1
19	929047		CABLE ASSEMBLY CR2	FAISCEAU ELECTRIQUE CR2	C	1
20	929046		CABLE ASSEMBLY CR3	FAISCEAU ELECTRIQUE CR3	C	1
21	AU1705	CE	BUZZER DECAL	AUTOCOLLANT BUZZER	C	1
22	AU1865		UPPER CONTROL BOX DECAL	AUTOCOLLANT BOITIER HAUT	D	1
23	ST2859		UPPER CONTROL BOX SUPPORT	SUPPORT BOITIER HAUT	D	1
24	SD0676		DRILLED ELECTRICAL BOX	BOITIER ELECTRIQUE PERCE	D	1
25	ST1935		CONNECTOR PLATE	CONTRE PLAQUE CONNECTEUR		1
26	ST2063		BUZZER SEAL	JOINT BUZZER	B	1
27	190055		ADHESIVE BRACKET SUPPORT	ENTRETOISE SUPPORT CARTE	B	4
28	210057		N°13 GLAND SEAL	JOINT DE PRESSE ETOUPE N°13	C	1
29	250060		RECEPTACLE TERMINAL 4.8 - 0.25-1 mm <sup>2</sup>	COSSE ISOLEE 4.8 mm 0.25-1 mm <sup>2</sup>	B	2
30	250184		Ø 3 lg 14 PLASTIC SPACER	ENTRETOISE PVC Ø 3 lg 14	B	2
31	130052		M03x30 8.8 COUNTERSUNK HEAD M. S.	VIS FHC M03x30 8.8 BI FT	C	2
32	260008	OPTION	HOURMETER	HORAMETRE	B	1
33	250061	OPTION	RECEPTACLE TERMINAL 4.8 - 1.5-2.5 mm <sup>2</sup>	COSSE ISOLEE 4.8 mm 1.5-2.5 mm <sup>2</sup>	B	3
34	AU1725	OPTION	BUZZER DECAL	AUTOCOLLANT BUZZER	C	1
35	000010		M05x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x20 8.8 BI FT	D	4
36	110002		M05 GR. 8.8 LOCK NUT	ECROU FREIN M5 8.8 BI	D	4

# LOWER CONTROL BOX BOITIER DE COMMANDE BAS





ISSUE DATE : 30/03/05

**LOWER CONTROL BOX**

ISSUE REL :

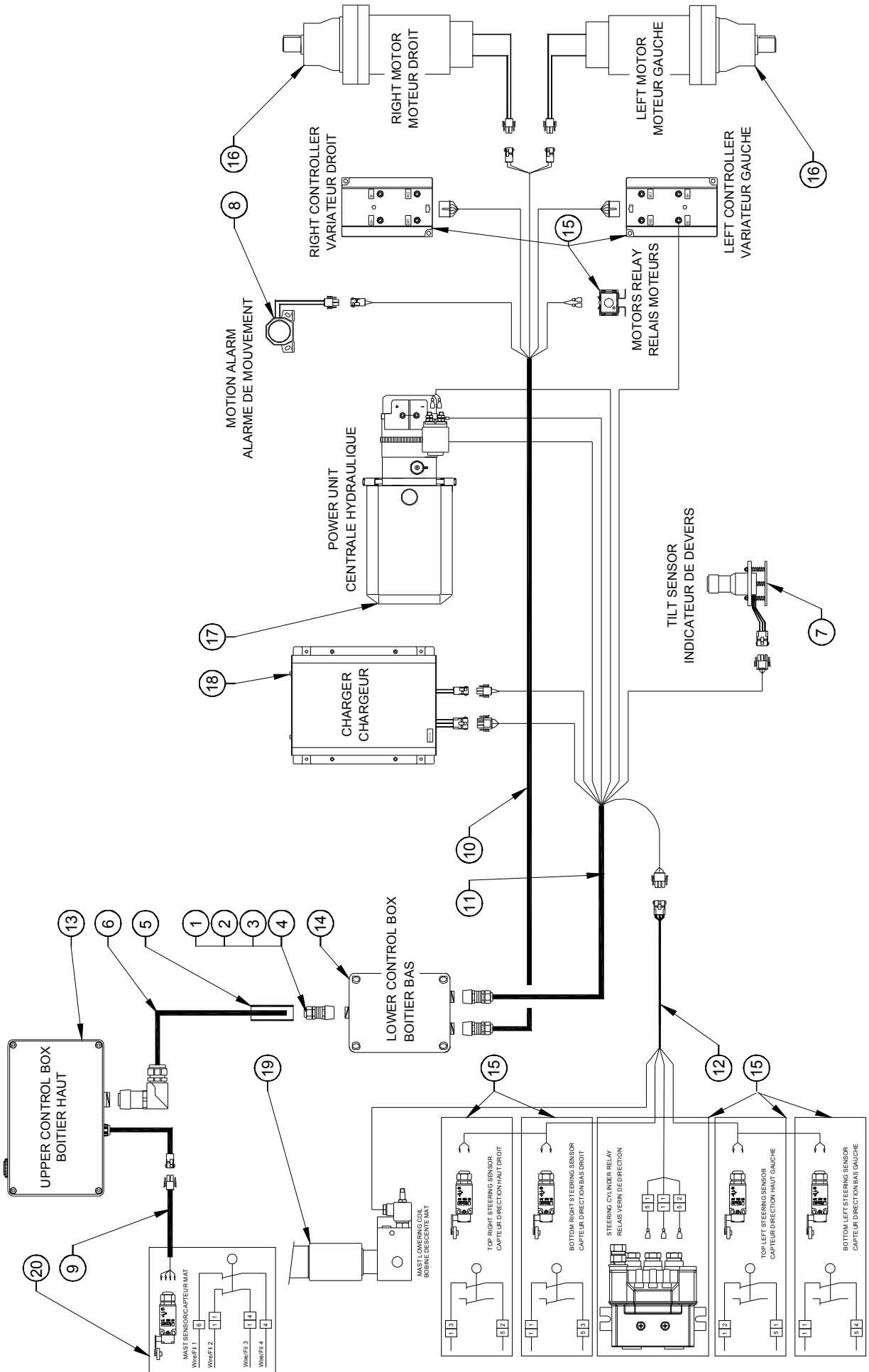
**BOITIER DE COMMANDE BAS**

ASSY NO : SP0616 REV : D

1/1

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REV	QTY REQ.
1	000091		M03x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x16 8.8 BI FT	B	14
2	110024		M03 GR. 8.8 LOCK NUT	ECROU FREIN M03 8.8 BI	D	7
3	120023		M03 LOCK WASHER	RONDELLE CONTACT M03 BI	A	6
4	240057		NC CONTACT BLOCK	CONTACT NF		3
5	240058		NO CONTACT BLOCK	CONTACT NO		6
6	240059		2 POSITIONS SELECTOR	SELECTEUR 2 POSITIONS		1
7	240061		PUSH BUTTON	BOUTON POUSSOIR		2
8	240066		3 POSITIONS KEY SELECTOR	SELECTEUR A CLE 3 POSITIONS		1
9	240060		TURN TO RELEASE KNOB	BOUTON D'ARRET D'URGENCE 1/4 TOUR	B	1
10	240076		CONTACT BLOCK HOLDER	EMBASE CONTACT		5
11	240082		PUSH BUTTON CAP	CAPUCHON D'ETANCHEITE		2
12	260074		5A QUICK ACTING FUSE	FUSIBLE RAPIDE 5A		2
13	260167		18 POSITIONS CHASSIS PLUG GASCKET	JOINT CONNECTEUR 18 CONTACTS		3
14	260224		FUSE HOLDER	PORTE FUSIBLE		1
15	290016		LCB ELECTRONIC BOARD	CARTE ELECTRONIQUE BOITIER BAS		1
16	290041		BATTERY DISPLAY ELECTRONIC BOARD	CARTE ELECTRON. INDICATIONS BAT.	B	1
17	929026		CABLE ASSEMBLY CR6	FAISCEAU ELECTRIQUE CR6		1
18	929027		CABLE ASSEMBLY CR7	FAISCEAU ELECTRIQUE CR7		1
19			NOT REQUIRED	NON REQUIS	A	
20	AU1874		LOWER CONTROL BOX DECAL	AUTOCOLLANT BOITIER BAS	C	1
21	SD0675		DRILLED ELECTRICAL BOX	BOITIER ELECTRIQUE PERCE	C	1
22	ST1935		CONNECTOR PLATE	CONTRE PLAQUE CONNECTEUR		3
23	ST2743		LOWER CONTROL BOX SUPPORT SHIELD	TOLE SUPPORT BOITIER BAS	C	1
24			NOT REQUIRED	NON REQUIS	C	
25	250184		Ø 3 lg 14 PLASTIC SPACER	ENTRETOISE PVC Ø 3 lg 14	A	2
26	260134		TOGGLE SWITCH GASKET	JOINT D'INVERSEUR	A	1
27	130052		M03x30 8.8 COUNTERSUNK HEAD M. S.	VIS FHC M03x30 8.8 BI FT	B	2
28	910003		KEY N°421	CLE N°421	D	1
29	000052		M03x30 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x30 8.8 BR FT	D	1
30	120040		M03 PLASTIC WASHER	RONDELLE PLASTIQUE M03	D	1
31	250168		SPLICE TERMINAL 1.5-2.5	EPISSURE DE CABLE 1.5-2.5	D	1
32	290058		POWER TIMER	TEMPORISATION MACHINE	D	1

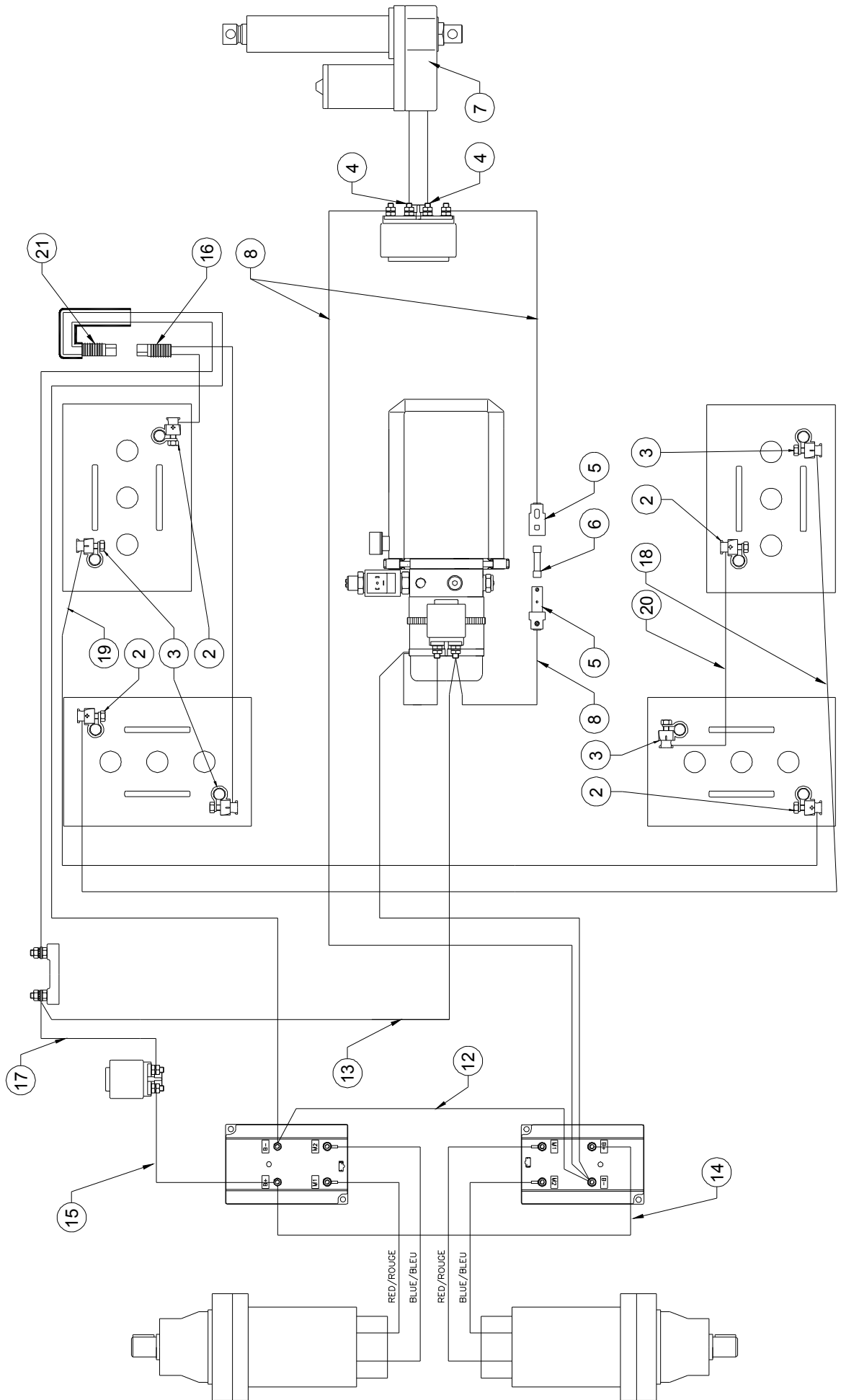
# CONTROL WIRING CABLAGE CIRCUIT DE COMMANDE





# POWER ELECTRICAL INSTALL INSTALLATION ELECTRIQUE DE PUISSANCE


**GRAISSER LES DEUX COSSES DE CHAQUE BATTERIE APRES LES AVOIR SERREES**  
**GREASE BOTH TERMINALS ON EACH BATTERY AFTER THEY ARE TIGHTENED**







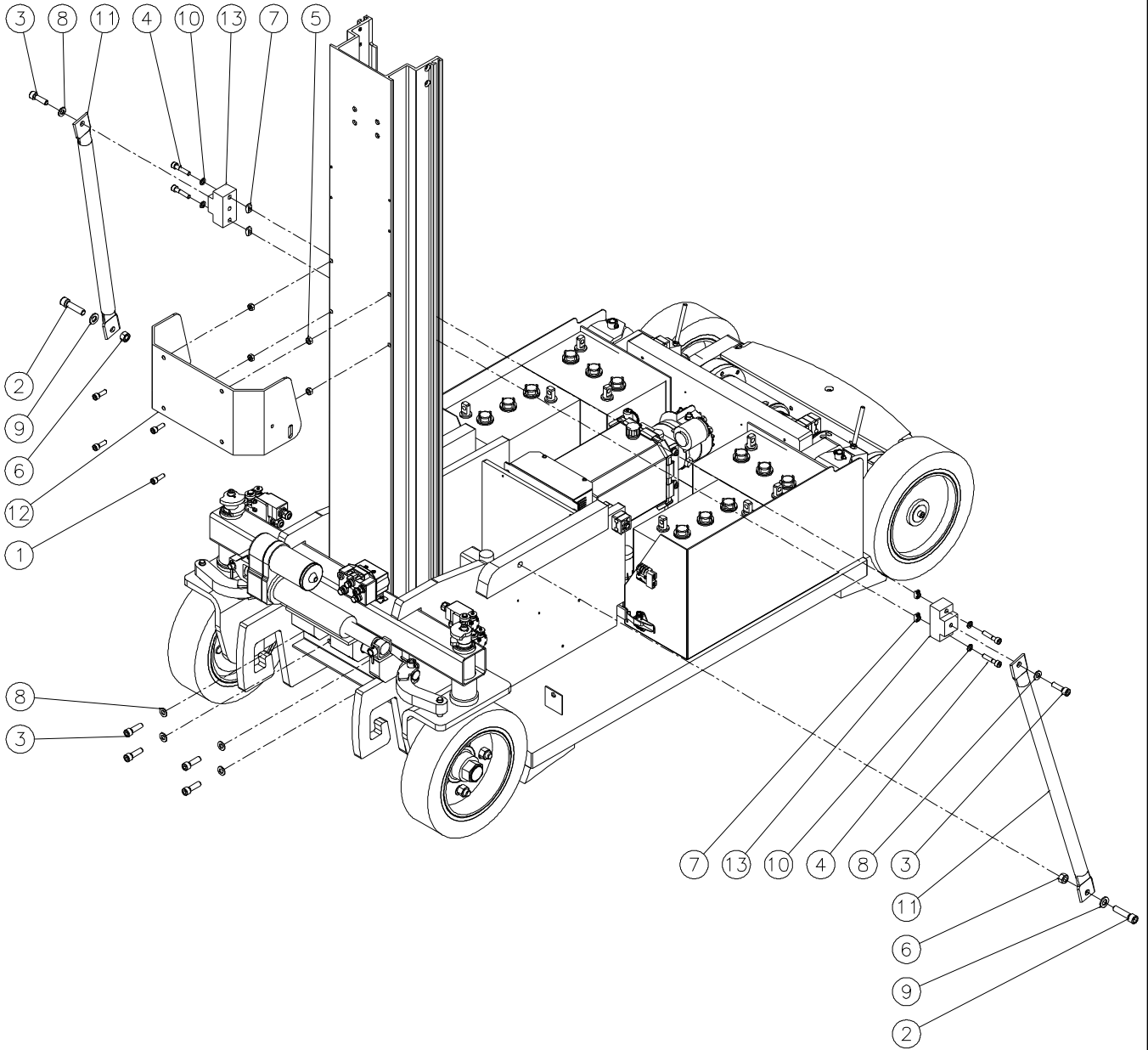
***SPARE PARTS***  
***PIECES DETACHEES***

**SECTION 3**

**MAST ON FRAME INSTALL.  
INSTALLATION MAT SUR CHASSIS.**



# MAST ON FRAME INSTALL INSTALLATION MAT SUR CHASSIS









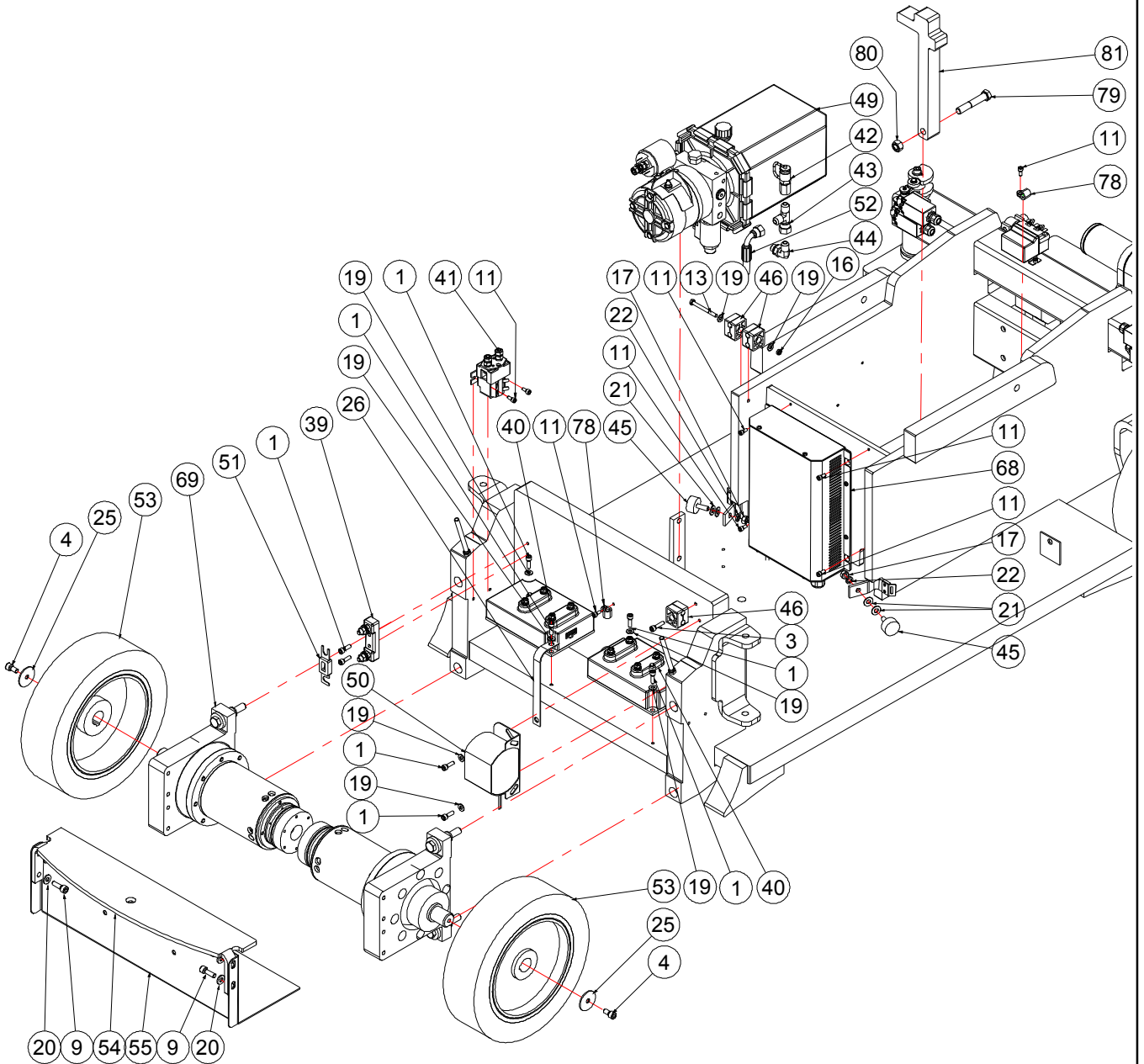
***SPARE PARTS***  
***PIECES DETACHEES***

**SECTION 4**

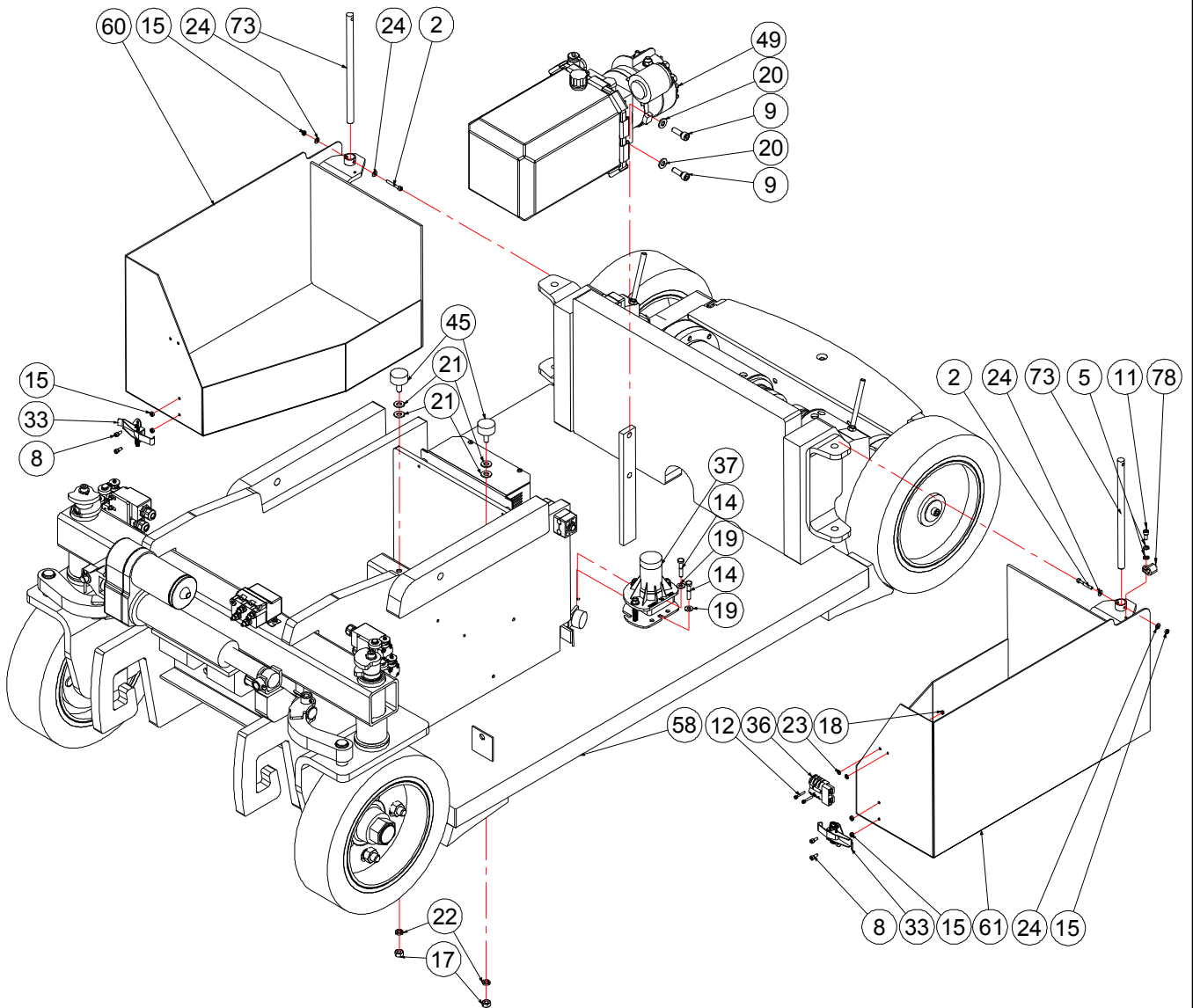
**FRAME INSTALL.  
INSTALLATION CHASSIS.**



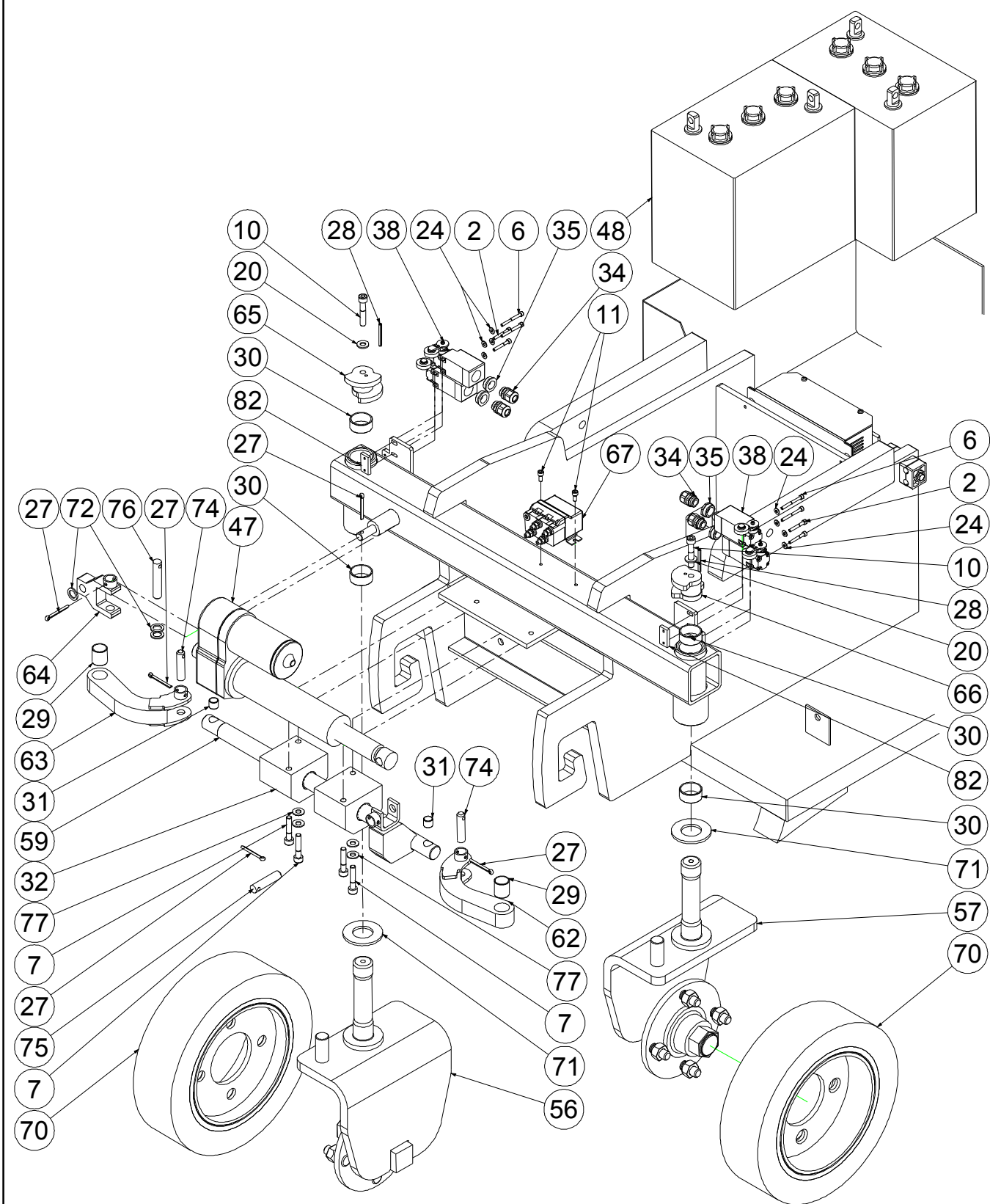
# FRAME INSTALL INSTALLATION CHASSIS



# FRAME INSTALL INSTALLATION CHASSIS



# FRAME INSTALL INSTALLATION CHASSIS



ISSUE DATE : 01/06/04

**FRAME INSTALL**

ISSUE REL :

**INSTALLATION CHASSIS**

ASSY NO : SP0613 REV : D

1/3

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REV	QTY REQ.
1	000005		M06x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x20 8.8 BI FT		8
2	000007		M04x30 8.8 SOCKET HEAD CAPSCREW	VIS CHC M04x30 8.8 BI FP		6
3	000008		M06x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x25 8.8 BI FT		1
4	000018		M08x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x16 8.8 BI FT		2
5	120002		M05 WASHER	RONDELLE M05 BI	A	2
6	000032		M04x40 8.8 SOCKET HEAD CAPSCREW	VIS CHC M04x40 8.8 ZI FP		4
7	000043		M08x40 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x40 8.8 BI FT		4
8	000050		M04x10 8.8 SOCKET HEAD MACH SCREW	VIS CHC M04x10 8.8 BI FT		4
9	000053		M08x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x25 8.8 BI FT		6
10	000063		M08x45 8.8 S SOCKET HEAD CAPSCREW	VIS CHC M08x45 8.8 BI FT TETE BASSE		2
11	000067		M05x12 8.8 SOCKET HEAD MACH SCREW	VIS CHC M05x12 8.8 BI FT	B	11
12	000091		M03x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x16 8.8 BI FT	C	2
13	100014		M06x80 8.8 HEX HEAD CAPSCREW	VIS H M06x80 8.8 BI FP		1
14	100027		M06x12 8.8 HEX HEAD MACHINE SCREW	VIS H M06x12 8.8 BI FT		2
15	110001		M04 GR. 8.8 LOCK NUT	ECROU FREIN M4 8.8 BI	A	6
16	110003		M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		1
17	110016		M08 GR. 8.8 HEX NUT	ECROU H M08 8.8 BI		4
18	110024		M03 GR. 8.8 LOCK NUT	ECROU FREIN M03 8.8 BI		2
19	120009		dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		10
20	120010		dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI		8
21	120014		M08 WASHER	RONDELLE M08 BI		8
22	120021		HELICAL SPRING LOCK WASHER Ø8	RONDELLE GROWER Ø8 BI		4
23	120023		M03 LOCK WASHER	RONDELLE CONTACT M03 BI		2
24	120024		M04 LOCK WASHER	RONDELLE CONTACT M04 BI		12
25	120026		dD 08x40 WASHER	RONDELLE dD 08x40 BI		2
26	130022		STATIC STRAP	TRESSE DE MASSE		1
27	140019		Ø4x40 COTTER PIN	GOUPILLE FENDUE Ø4x40		5
28	140022		Ø4x40x0.8 LOCK PIN	GOUPILLE ELASTIQUE Ø4x40x0.8		2
29	150022		BUSHING Ø20 H25 DX	BAGUE Ø20 H25 DX		2
30	150025		BUSHING Ø30 H15 DU	BAGUE Ø30 H15 DU		4
31	150029		Ø12 H12 BUSHING	BAGUE Ø12 H12		2
32	150044		PILLOW BLOCK	PALIER A SEMELLE		2
33	190043		IRON LACK	GRENOUILLERE A BRAS RESSORT		2
34	210017		GLAND N°9	PRESSE ETOUPE N°9		4
35	250015		REDUCTION 13/9	REDUCTION 13/9		4
36	250038		QUICK CONNECTOR	PRISE RAPIDE		1
37	260270		2° TILT SENSOR	DETECTEUR DE DEVERS 2°	C	1

ISSUE DATE : 01/06/04

**FRAME INSTALL**

ISSUE REL :

**INSTALLATION CHASSIS**

ASSY NO : SP0613 REV : D

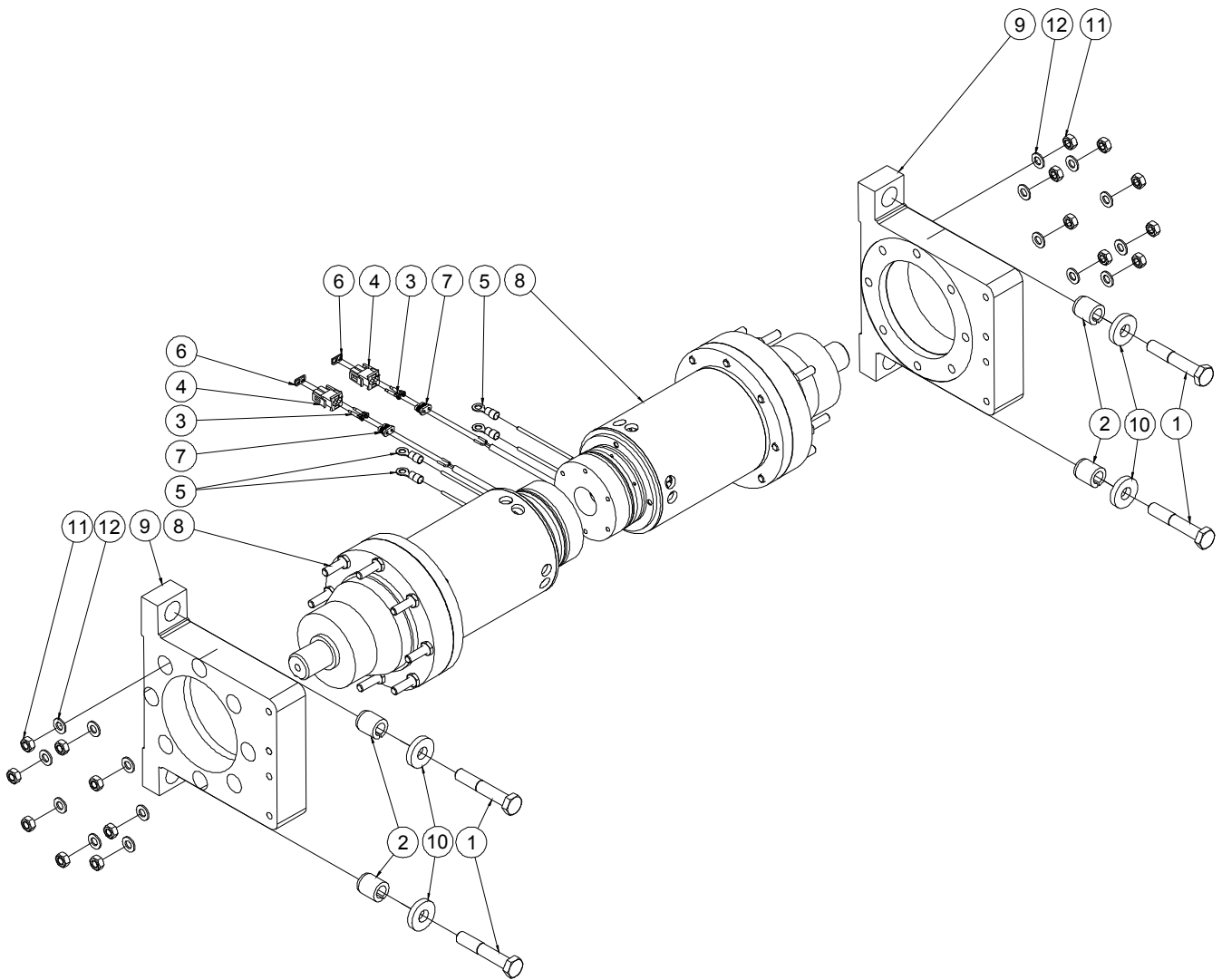
2/3

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REV	QTY REQ.
38	260030		2NC SWITCH	CAPTEUR 2NF		4
39	260077		POWER FUSE HOLDER	PORTE FUSIBLE DE PUISSANCE		1
40	260199		JUNIOR8 CONTROLLER	VARIATEUR JUNIOR8		2
40	260161		JUNIOR6 CONTROLLER	VARIATEUR JUNIOR6		2
41	260208		RELAY	RELAIS		1
42	300004		PRESSURE TEST PLUG JIC9/16 SMK	PRISE DE PRESSION JIC 9/16 SMK		1
43	300037		RUN TEE JIC 9/16 SWIVEL NUT	TE MALE JIC9/16-FEMELLE JIC9/16 TOUR.		1
44	300075		90° ELBOW MALE M14x150-MALE JIC 9/16	COUDE 90° MALE M14x150-MALE JIC 9/16		1
45	400015		ELASTIC STOP	BUTEE ELASTIQUE		4
46	400037		PAIR 1/2 SHELL DOUBLE	PAIRE DE DEMI COQUILLE	A	3
47	510055		ELECTRICAL STEERING CYLINDER	VERIN ELECTRIQUE DE DIRECTION		1
48	951011		6V 180Ah DRY BATTERIE	BATTERIE SECHE 6V 180Ah		4
48	510062		GEL BATTERY 6V 180Ah	BATTERIE GEL 6V 180Ah		4
49	520099	520099	COMPLETE POWER UNIT 1.25cc	CENTRALE COMPLETE 1.25cm <sup>3</sup>	D	1
50	7025000801		MOTION ALARM (=260275)	ALARME DE MOUVEMENT (=260275)		1
51	950110		63A FUSE	FUSIBLE 63A		1
52	DF0656		HOSE (flexible) 1/4" 125cm JIC Fem 9/16 90°-JIC Fem 9/16 90°-90°			1
53	DL0441		NON MARKING DRIVING WHEEL	ROUE MOTRICE NON MARQUANTE		2
54	DL0445		STEP	MARCHE PIED		1
55	DL0456		MOTORS GUARD	TOLE DE PROTECTION MOTEURS		1
56	DL0576		RIGHT STEERING BRACKET	EQUERRE DE DIRECTION DROITE		1
57	DL0577		LEFT STEERING BRACKET	EQUERRE DE DIRECTION GAUCHE		1
58	DL0593		JUNIOR8 FRAME WELDMENT	CHASSIS MECANO-SOUDE JUNIOR8		1
58	DL0594		JUNIOR6 FRAME WELDMENT	CHASSIS MECANO-SOUDE JUNIOR6		1
58	DL0708		V1331 FRAME WELDMENT	CHASSIS MECANOSOUDE V1331	C	1
59	DL0555		TRANSMISSION LUG	PATTE DE TRANSMISSION		1
60	DL0557		RIGHT BATTERY HOUSING	CAISSON DE BATTERIE DROIT		1
61	DL0558		LEFT BATTERY HOUSING	CAISSON DE BATTERIE GAUCHE		1
62	SD0549		LEFT STEERING ARM	BIELETTE DE DIRECTION GAUCHE		1
63	SD0550		RIGHT STEERING ARM	BIELETTE DE DIRECTION DROITE		1
64	SD0530		STEERING CYLINDER YOKE	CHAPE VERIN DE DIRECTION		1
65	SD0534		RIGHT STEERING CAMS	CAMES DE DIRECTION DROITE		1
66	SD0535		LEFT STEERING CAMS	CAMES DE DIRECTION GAUCHE		1
67	260269		INVERTER RELAY	RELAIS INVERSEUR	A	1
68		SP0403	CHARGER ASSEMBLY	ASSEMBLAGE DU CHARGEUR		1
69		SP0406	WHEEL MOTORS ASSEMBLY	ASSEMBLAGE MOTEURS DE ROUE		1
70	ST2056		NON MARKING STEERING WHEEL	ROUE DIRECTRICE NON MARQUANTE		2



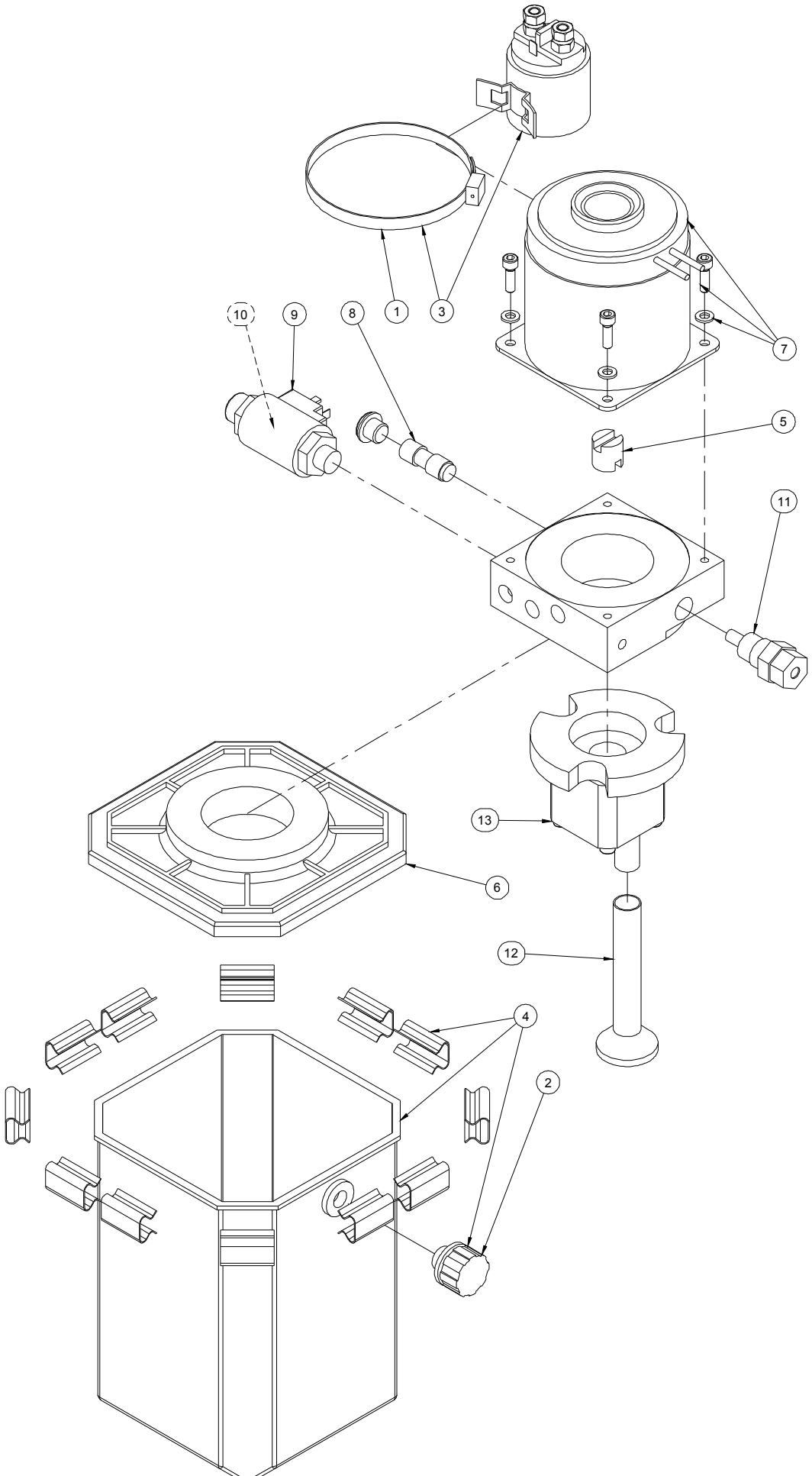


# WHEEL MOTORS ASSEMBLY ASSEMBLAGE MOTEURS DE ROUE



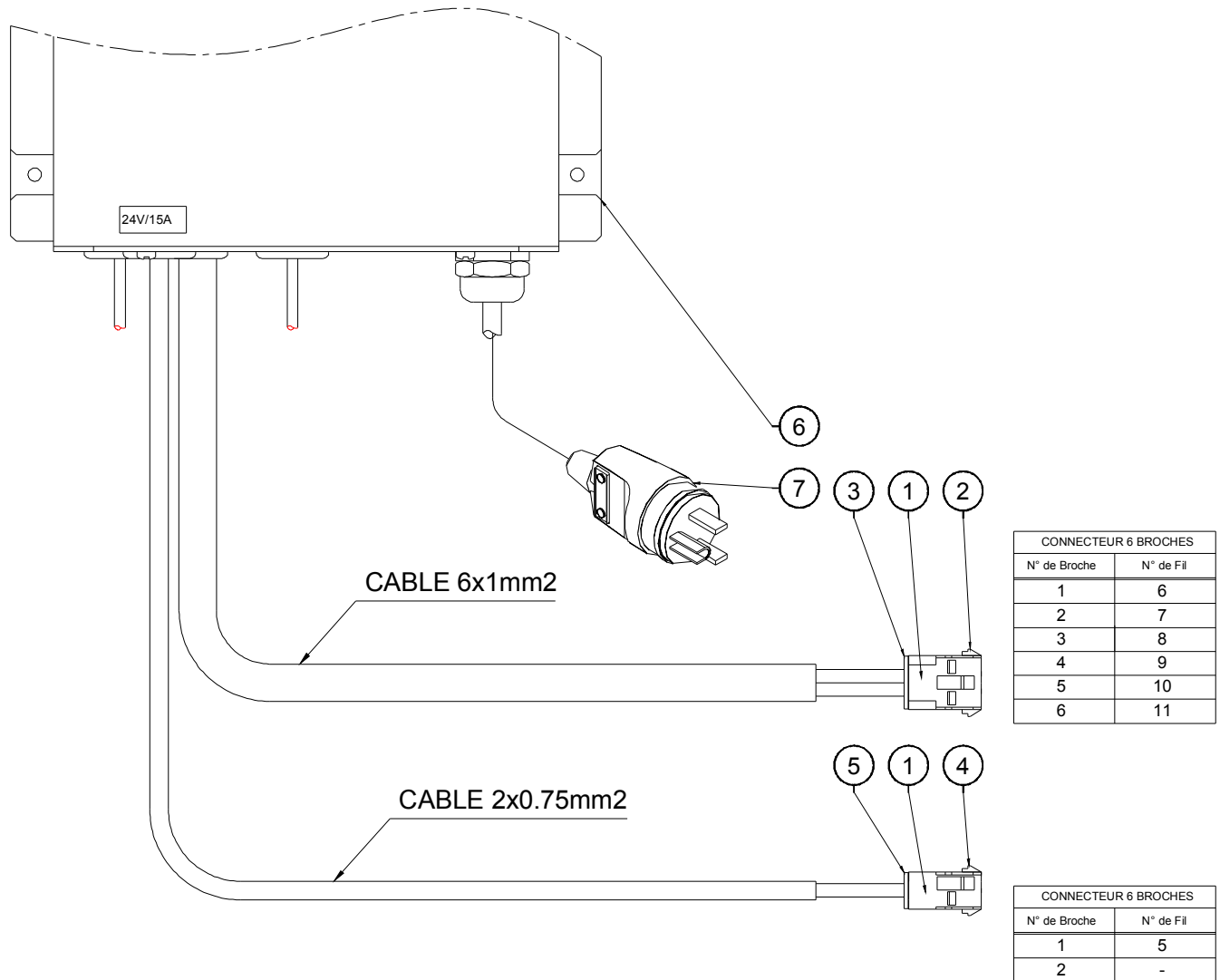


# COMPLETE POWER UNIT CENTRALE COMPLETE





# CHARGER ASSEMBLY ASSEMBLAGE DU CHARGEUR



For gel batteries : modify the electronic card setting.

- Toggle the switch 1 to "off"
- Toggle the switch 2 to "on"

Pour batteries gel : modifier le réglage de la carte électronique.

- basculer l'interrupteur 1 sur "off"
- basculer l'interrupteur 2 sur "on"



DATE : 06/07/00

## CHARGER CONNECTOR

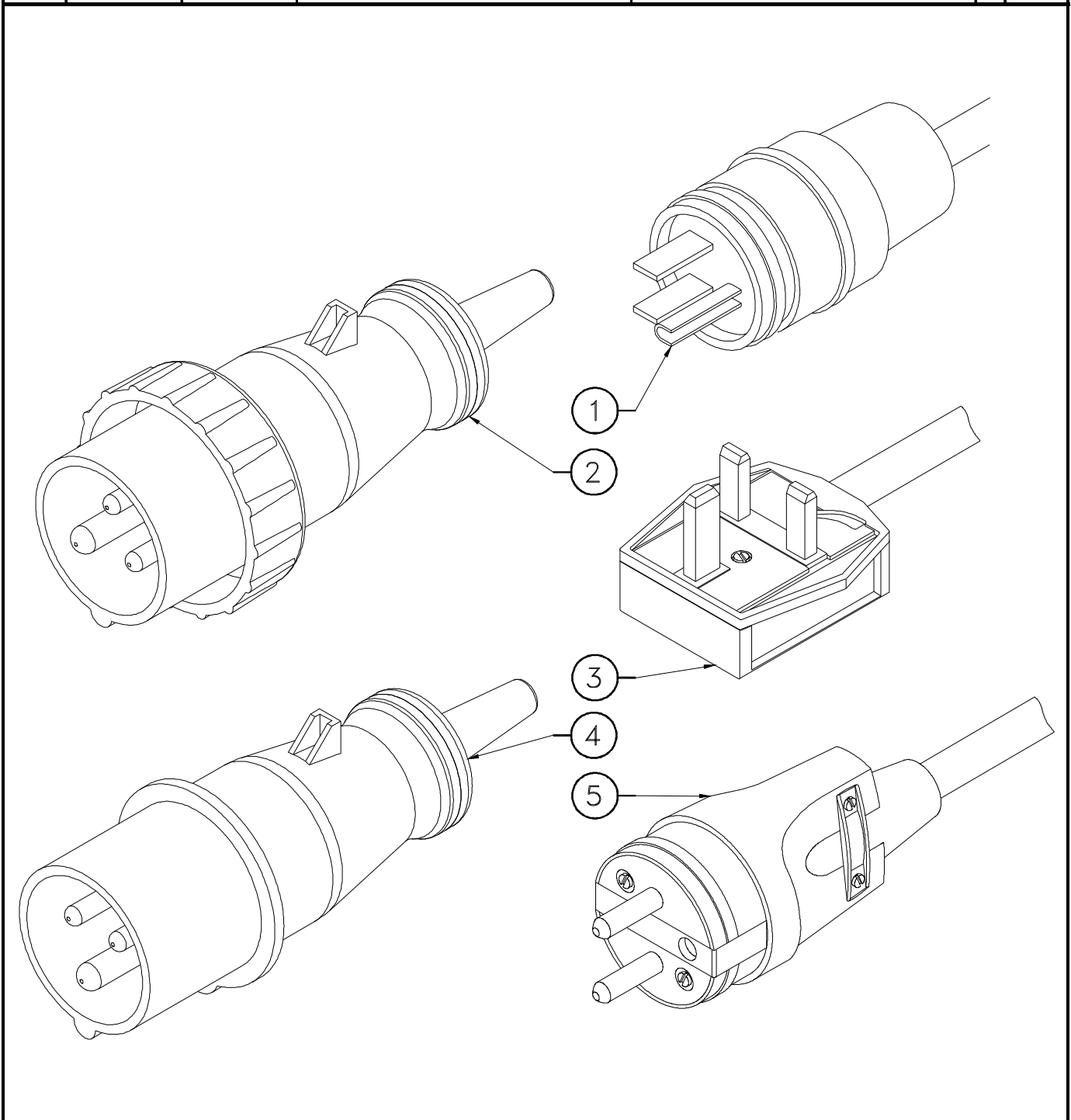
MONTAGE N°/

## PRISE CHARGEUR

ASSY NO : RM0059 REV :

1/1

DET NO	REF./PART NUMBER	VOIR/ SEE VIEW	DESCRIPTION		R E V	Qté/ Qty Req.
1	7364002824		US 125 VAC MALE CONNECTOR	PRISE US 125VAC		1
2	260213		CONNECTOR, Yellow, 110VAC, CEI, IP67	PRISE MALE, Jaune, 110VAC, CEI, IP67		
3	250117		UK 220 VAC MALE CONNECTOR	PRISE MALE 220V ALT. ROYAUME UNI		
4			CONNECTOR, Blue, 220VAC, CEI, IP44	PRISE MALE, Bleue, 220VAC, CEI, IP44		
5	260214		FRENCH AND GERMAN 220V CONNECTO	PRISE 220V FRANCAISE ET ALLEMANDE		





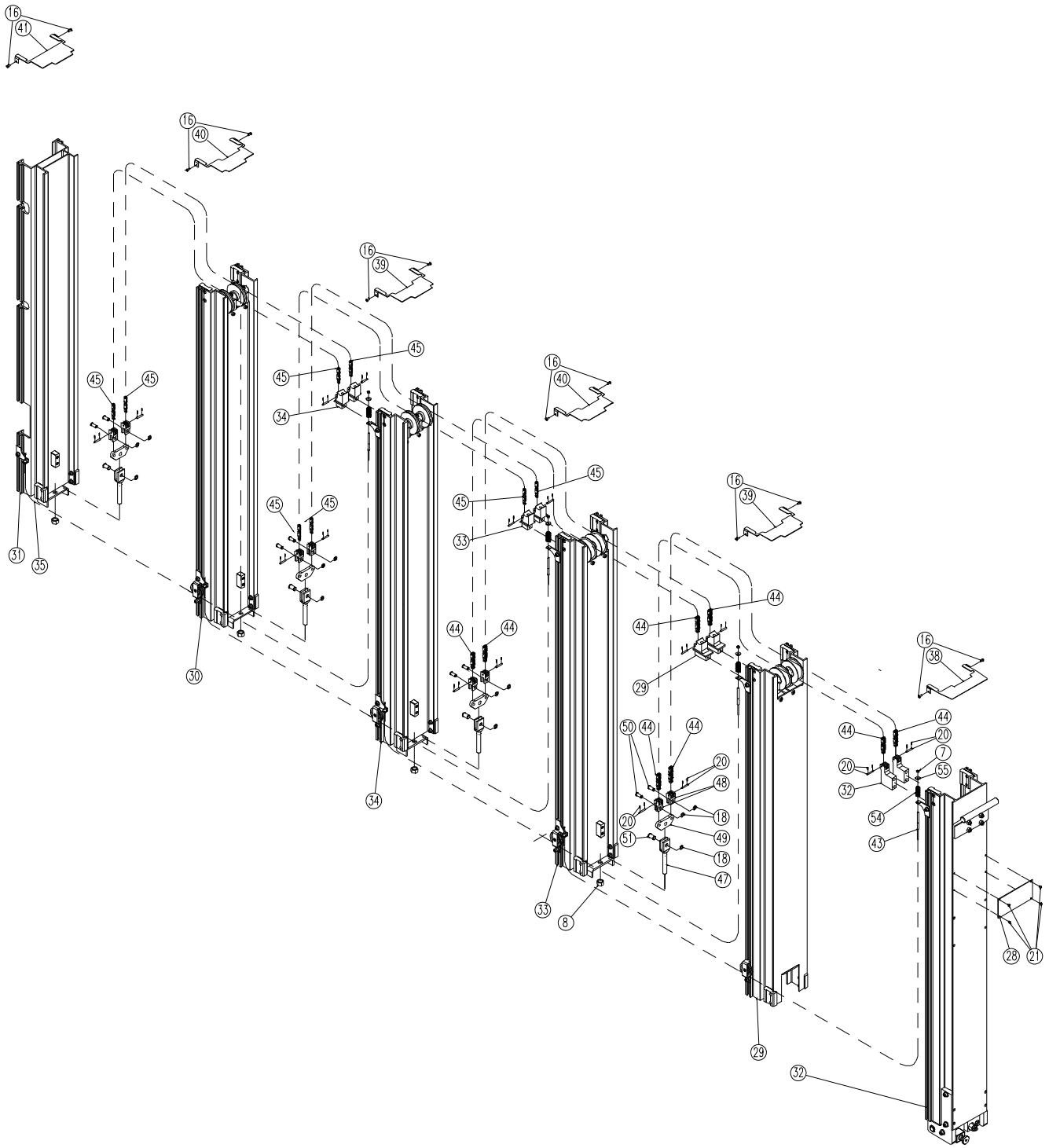
***SPARE PARTS  
PIECES DETACHEES***

**SECTION 5**

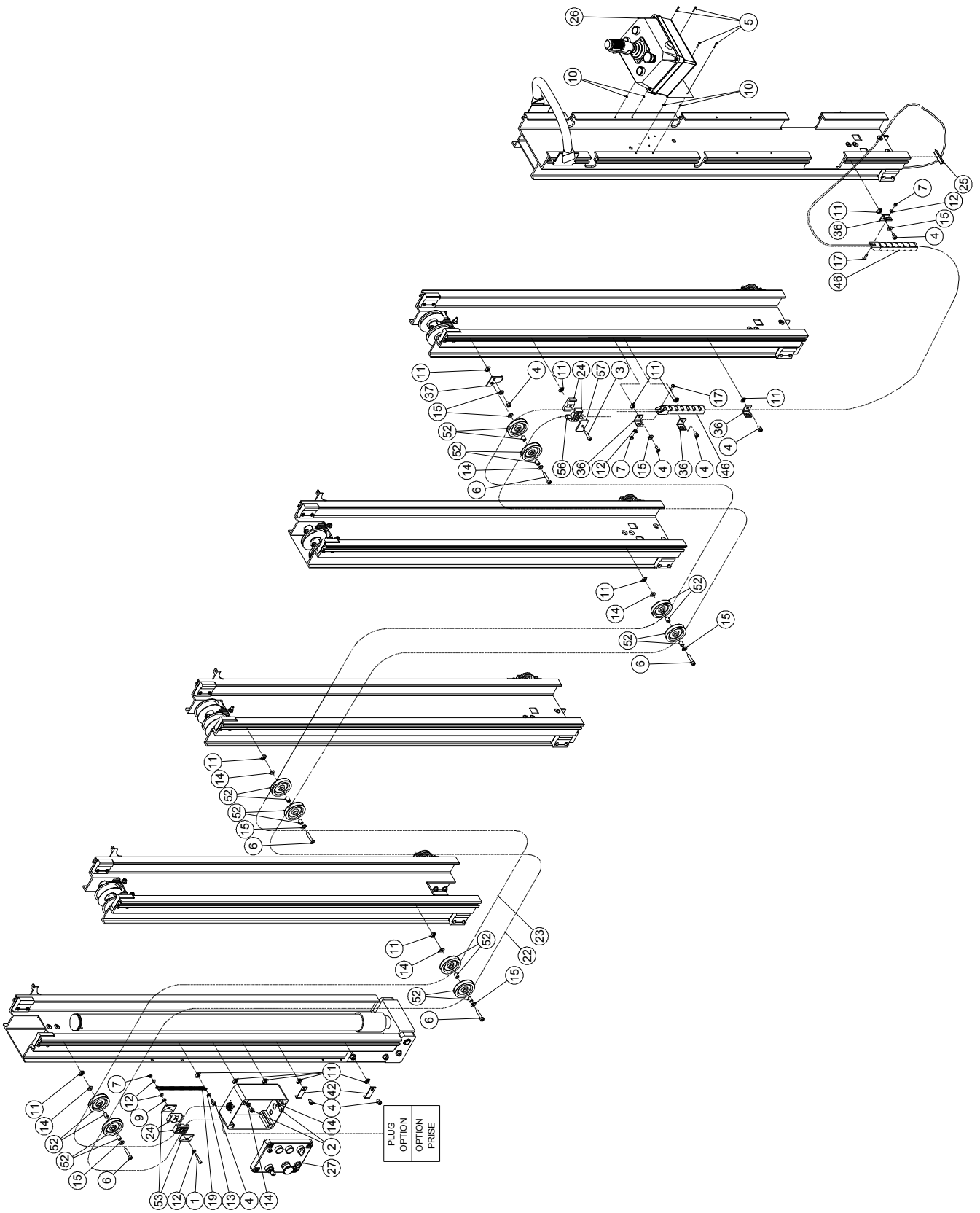
**MASTS INSTALL.  
INSTALLATION MATS.**



# MASTS INSTALL INSTALLATION MATS



# MASTS INSTALL INSTALLATION MATS



ISSUE DATE : 26/02/02

**MASTS INSTALL**

ISSUE REL :

**INSTALLATION MATS**

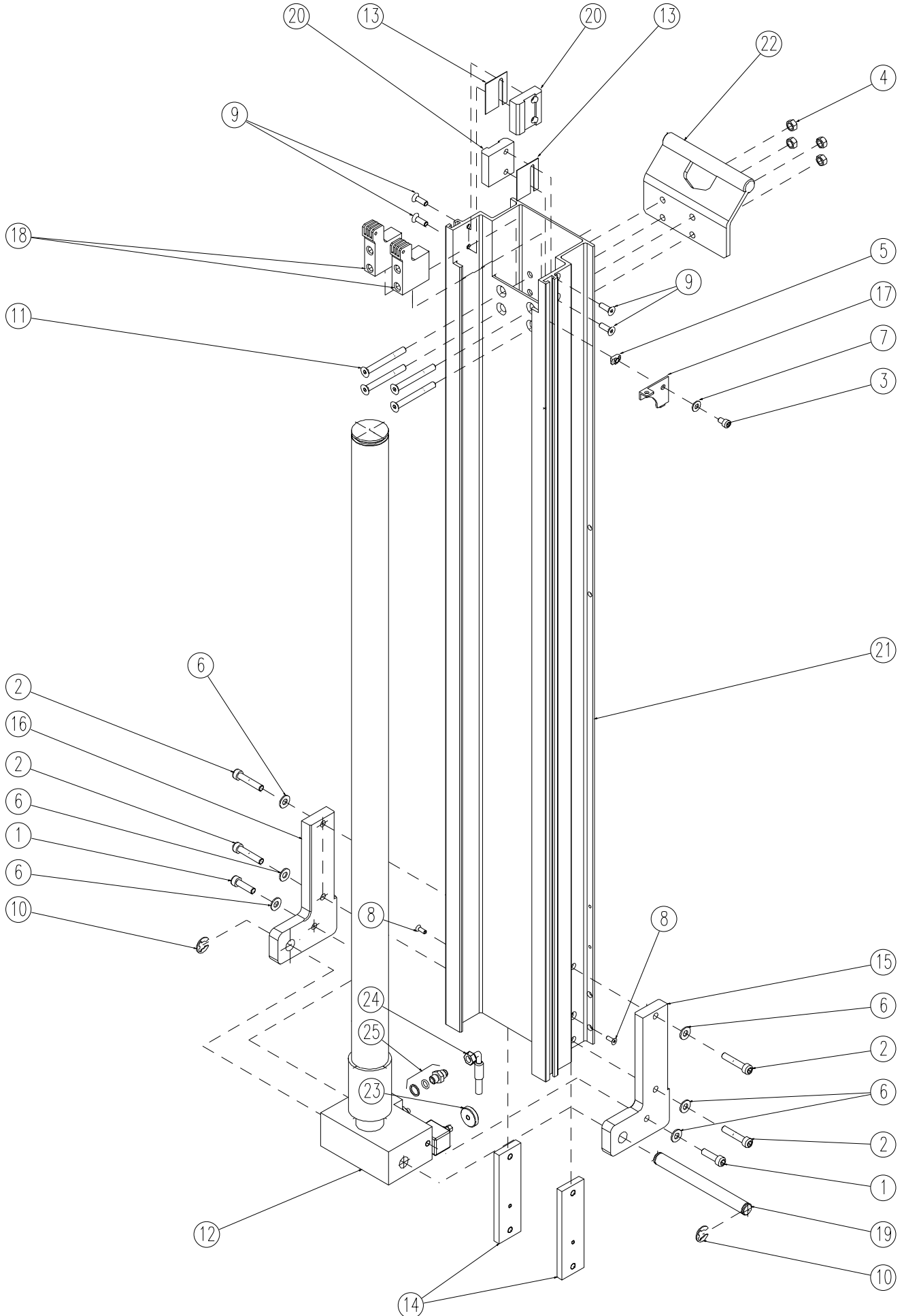
ASSY NO : SP0618 REV : A

1/2

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REV	QTY REQ.
1	000076		M06x60 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x60 8.8 BI FP		1
2	000018		M08x16 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x16 8.8 BI FT		2
3	000043		M08x40 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x40 8.8 BI FT	A	1
4	000059		M08x12 8.8 S SOCK HEAD MACH SCREW	VIS CHC M08x12 8.8 BI FT TETE BASSE		8
5	000068		M03x18 8.8 SOCKET HEAD MACH SCREW	VIS CHC M03x18 8.8 BI FT		4
6	000078		M08x55 8.8 SOCKET HEAD CAPSCREW	VIS CHC M08x55 8.8 BI FP		5
7	110003		M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		7
8	110011		M16 GR. 10.9 LOCK NUT	ECROU FREIN M16 10.9 BI		4
9	110015		M06 GR. 8.8 HEX NUT	ECROU H M06 8.8 BI		1
10	110024		M03 GR. 8.8 LOCK NUT	ECROU FREIN M03 8.8 BI		4
11	110030		M08 RECTANGULAR BASE NUT	ECROU A EMBASE RECTANGULAIRE M08		15
12	120009		dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		5
13	120010		dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI		1
14	120014		M08 WASHER	RONDELLE M08 BI		7
15	120021		HELICAL SPRING LOCK WASHER Ø8	RONDELLE GROWER Ø8 BI		8
16	130007		Ø4.8x13 LG SHEET METAL SCREW	VIS AUTOTARAUDEUSE Ø4.8-13 BI		12
17	130021		M06x20 8.8 ROUND HEAD MACH SCREW	VIS BOMBEE ULF M06x20 8.8 BI FT		2
18	130028		RETAINING RING Ø9	CIRCLIPS EXTERIEUR Ø9		12
19	160024		SPRING	RESSORT		1
20	170004		CLEVIS PIN	AXE DE CHAPE		16
21	180002		Ø4x10 POP RIVET	RIVET POP Ø4x10		4
22	270060		CABLE 3G1.5mm <sup>2</sup> Color leads (qty in meters)	CABLE 3G1.5mm <sup>2</sup> coloré (qté en mètre)		11.1
23	270057		CABLE 18x0.75mm <sup>2</sup> (qty indicated in meter)	CABLE 18x0.75mm <sup>2</sup> (qté indiquée en mètre)		10
24	400018		PAIR 1/2 SHELL D12.7	PAIRE DEMI COQUILLE D12.7		2
25	400032		EDGE GUARD (quantity indicated in meter)	PROFIL A ARMATURE (quantité en mètre)		0,1
26		SECTION 2	UPPER CONTROL BOX	BOITIER DE COMMANDE HAUT		1
27		SECTION 2	LOWER CONTROL BOX	BOITIER DE COMMANDE BAS		1
28		SECTION 7	MANUFACTURER'S NAME PLATE	PLAQUE CONSTRUCTEUR		1
29		SP0386	MAST 2 ASSEMBLY	ASSEMBLAGE MAT 2		1
30		SP0387	MAST (3/TJ6 or 5/TJ8) ASSEMBLY	ASSEMBLAGE MAT (3/TJ6 ou 5/TJ8)		1
31		SP0388	MAST (4/TJ6 or 6/TJ8) ASSEMBLY	ASSEMBLAGE MAT (4/TJ6 ou 6/TJ8)		1
32		SP0619	MAST 1 ASSEMBLY	ASSEMBLAGE MAT 1		1
33		SP0620	MAST 3 ASSEMBLY	ASSEMBLAGE MAT 3		1
34		SP0621	MAST 4 ASSEMBLY	ASSEMBLAGE MAT 4		1
35		SP0622	MAST LIMIT SWITCH INSTALL	INSTALLATION CAPTEUR DE MAT		1
36	ST1110		PLATFORM T-BRACKET	EQUERRE PANIER		4
37	ST1120		PULLEY BRACKET	SUPPORT POULIE		1

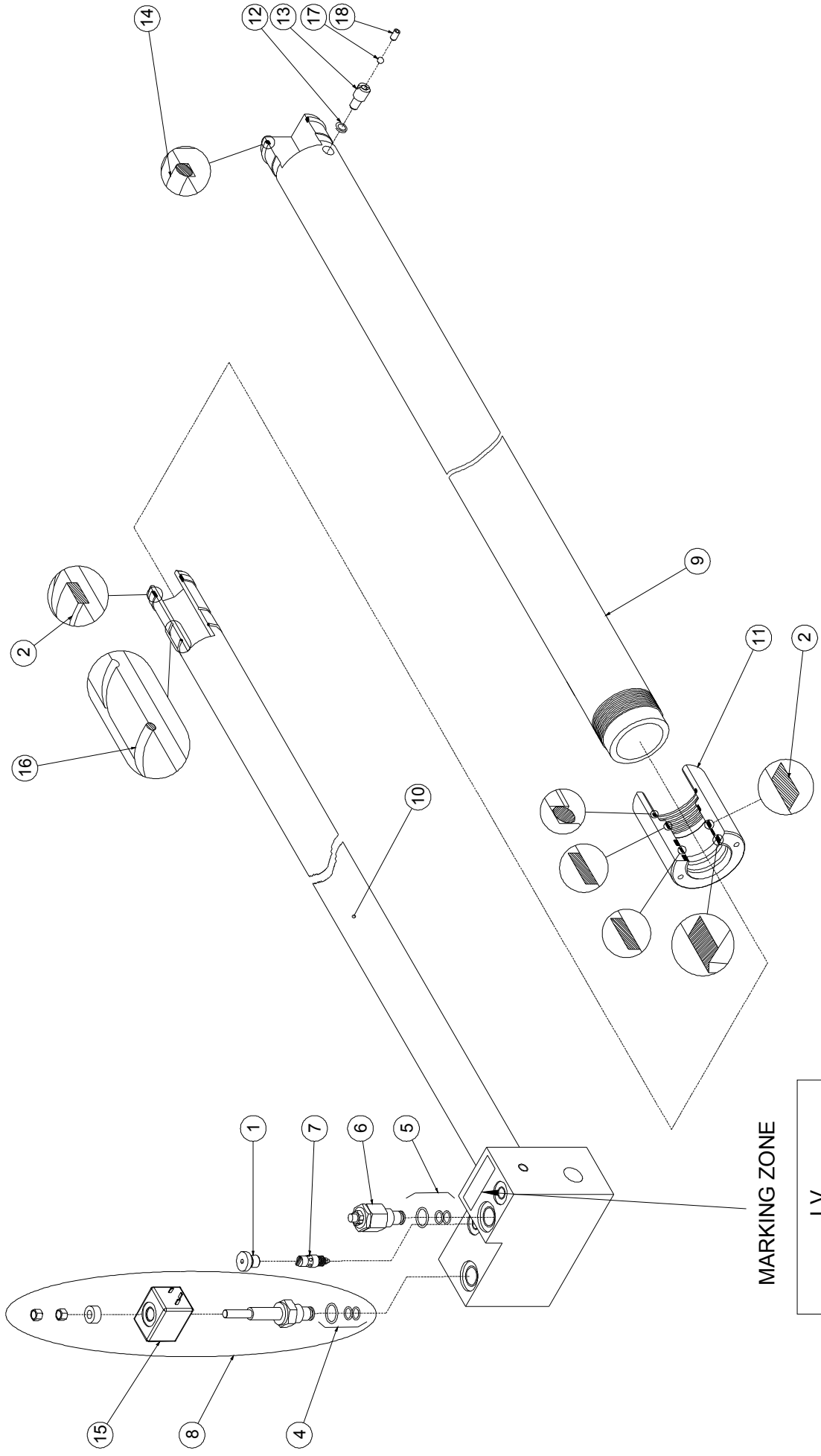


# MAST 1 ASSEMBLY ASSEMBLAGE MAT 1





# MAST CYLINDER VERIN DE MAT



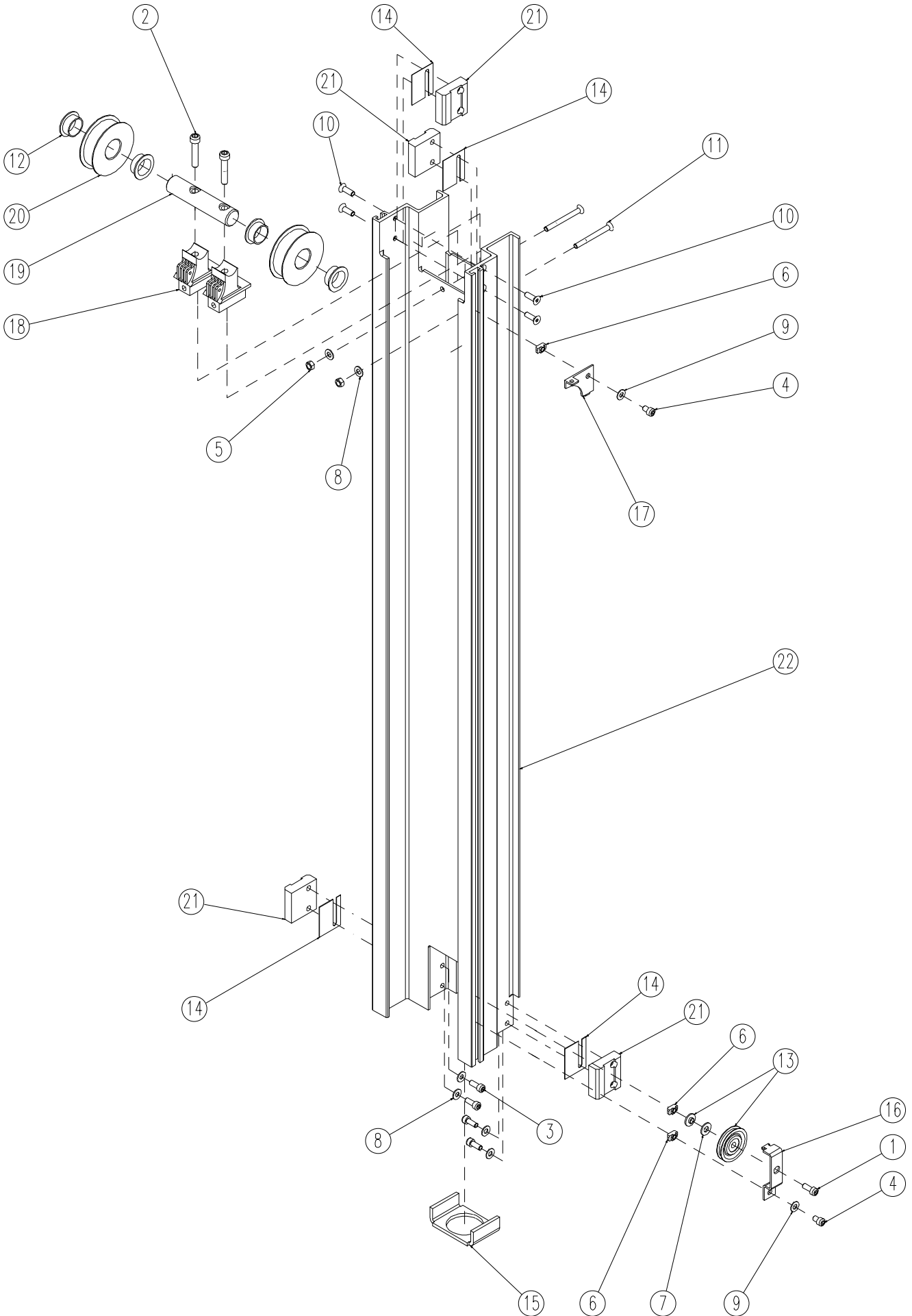
MARKING ZONE

LV  
WEEK/SHL/YEAR  
STxxxx  
900017



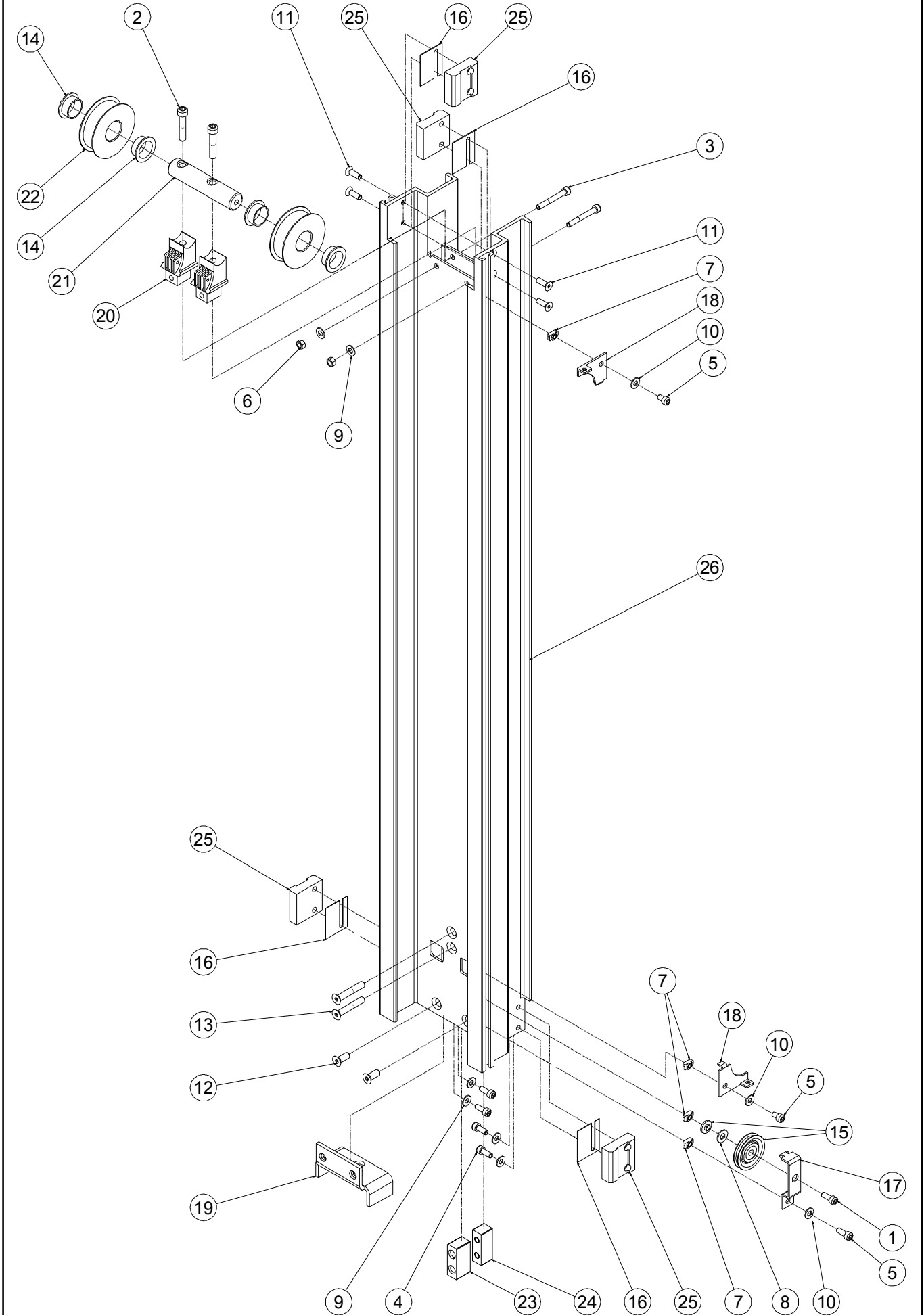


# MAST 2 ASSEMBLY ASSEMBLAGE MAT 2



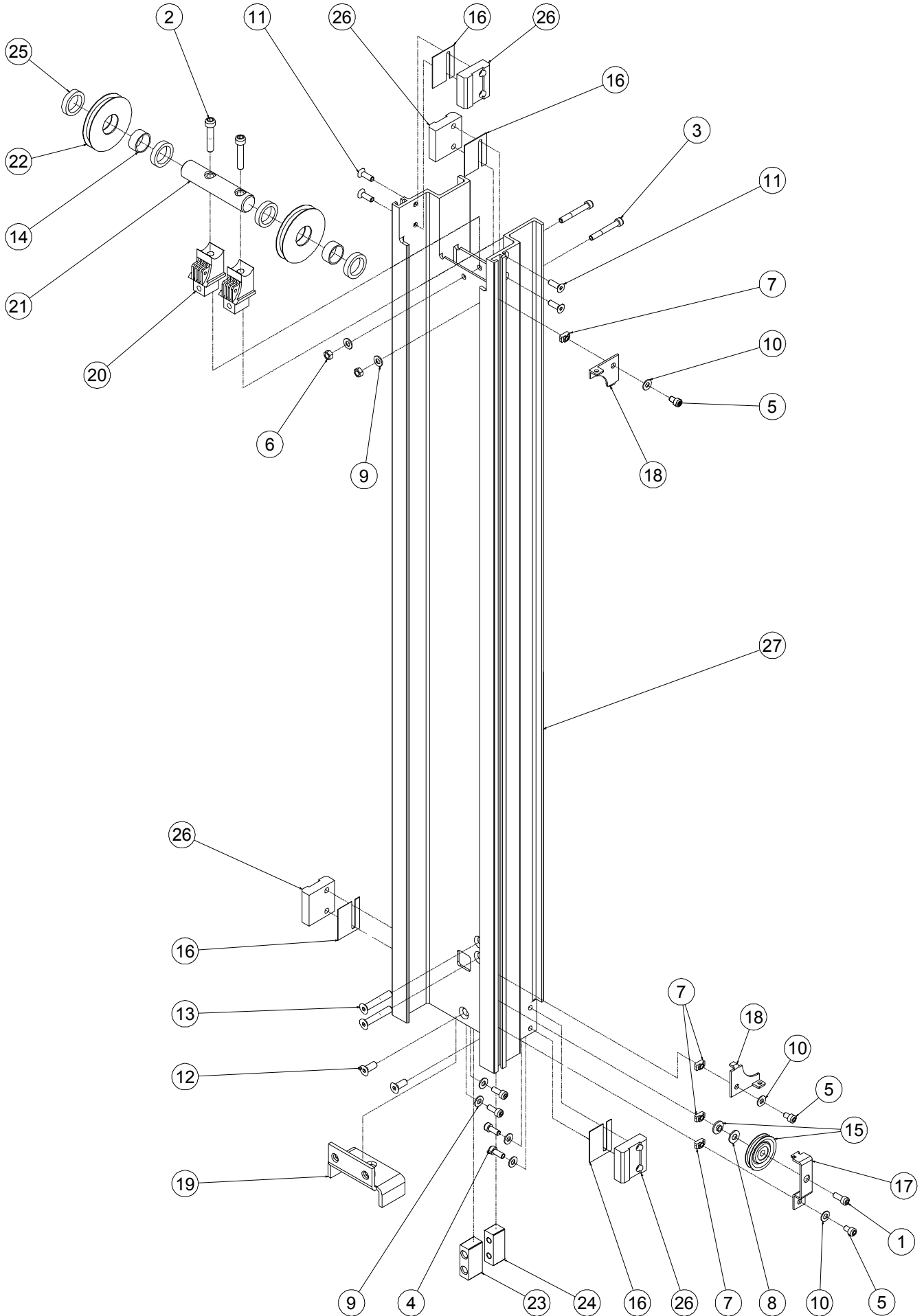


# MAST 3 ASSEMBLY ASSEMBLAGE MAT 3



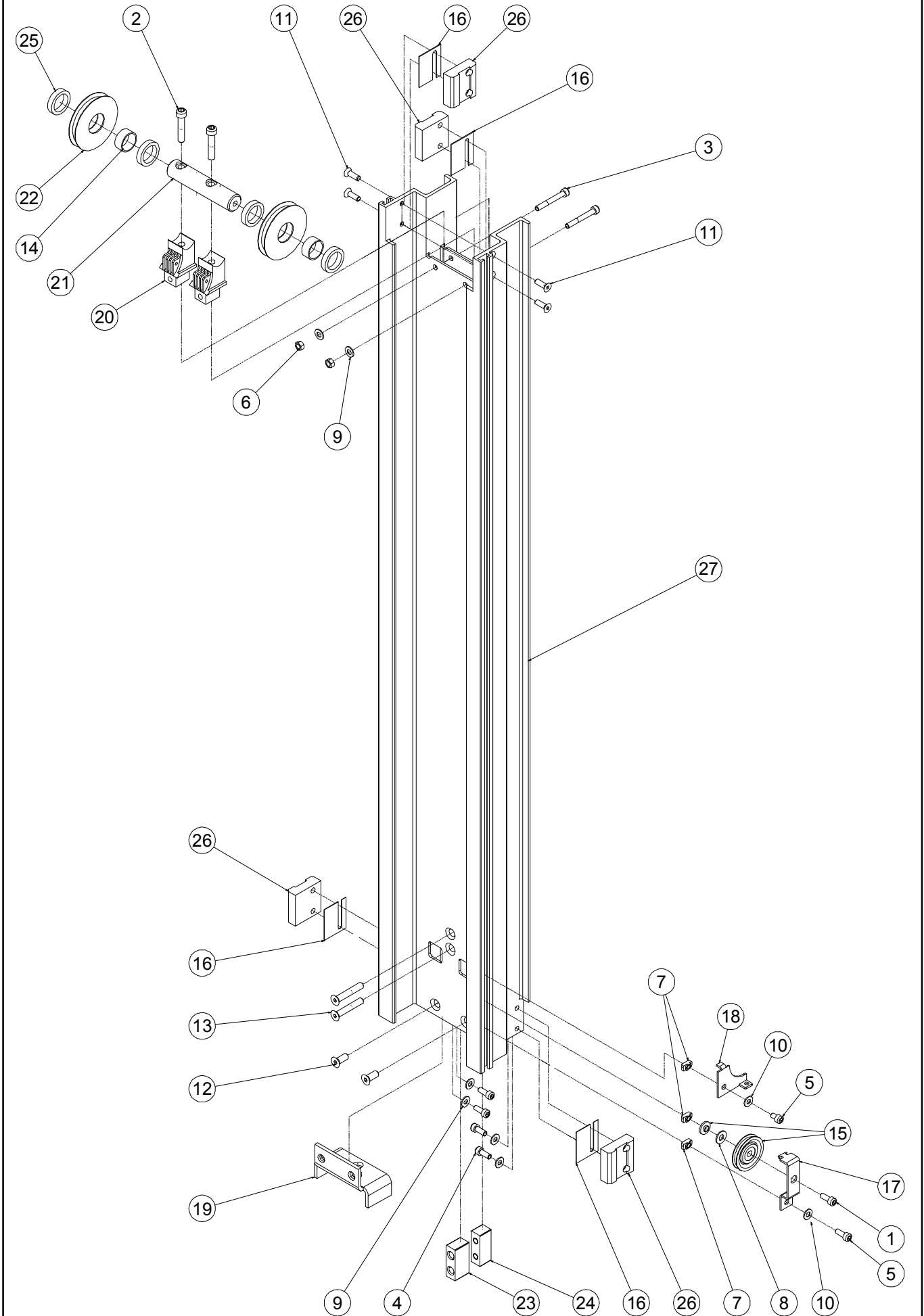


# MAST 4 ASSEMBLY ASSEMBLAGE MAT 4





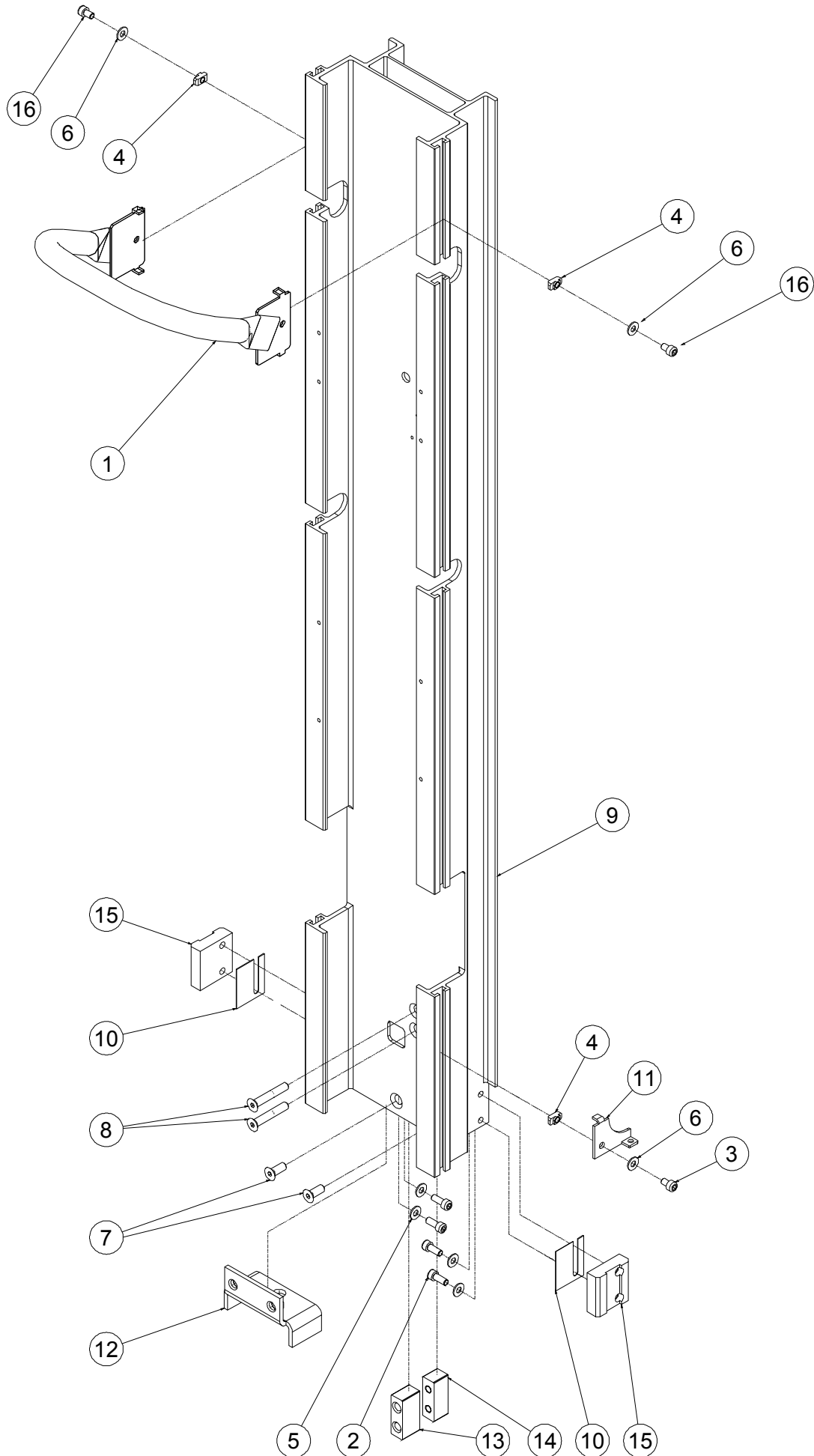
# MAST 5 ASSEMBLY ASSEMBLAGE MAT 5





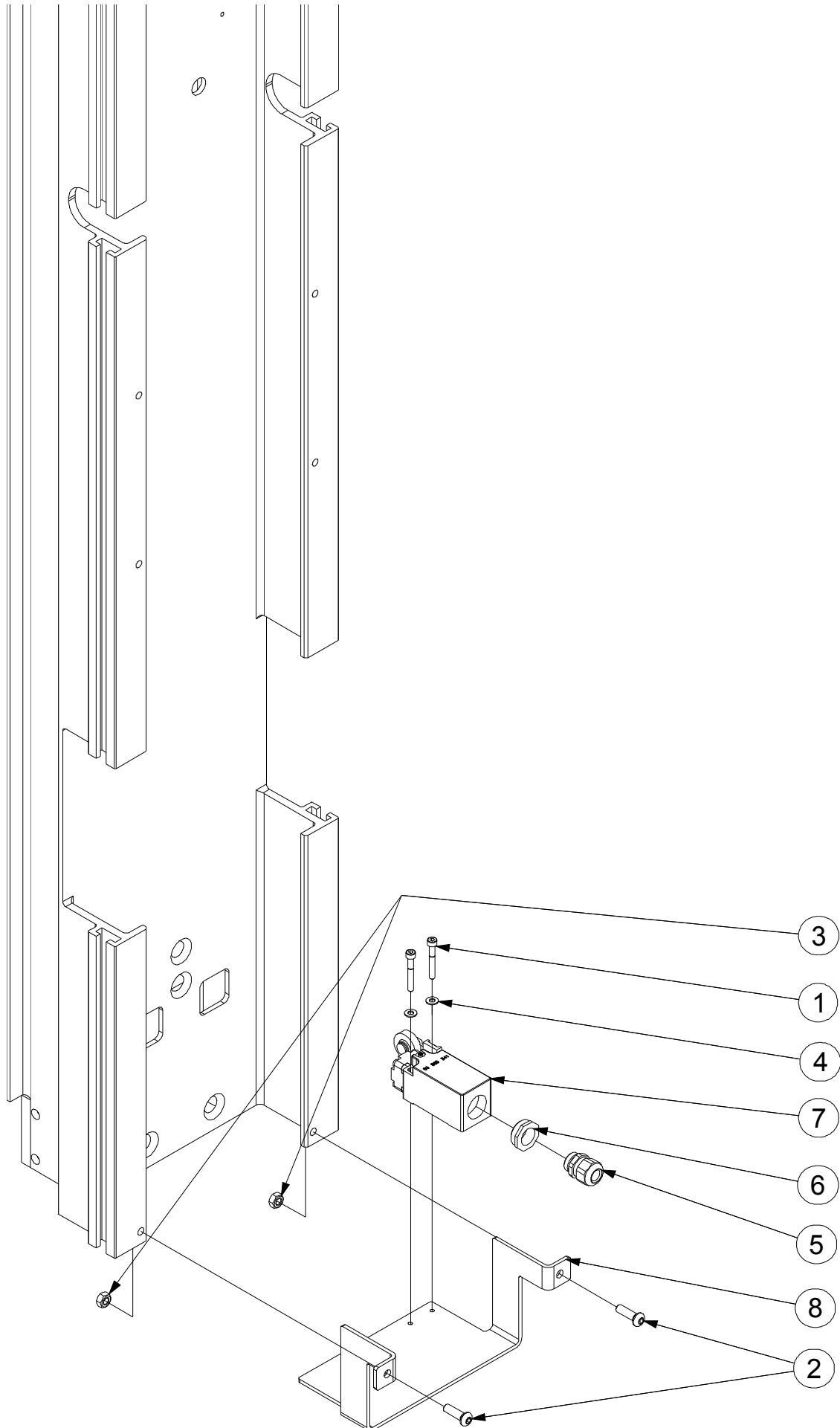


# MAST 6 ASSEMBLY ASSEMBLAGE MAT 6





# MAST LIMIT SWITCH INSTALL INSTALLATION CAPTEUR DE MAT







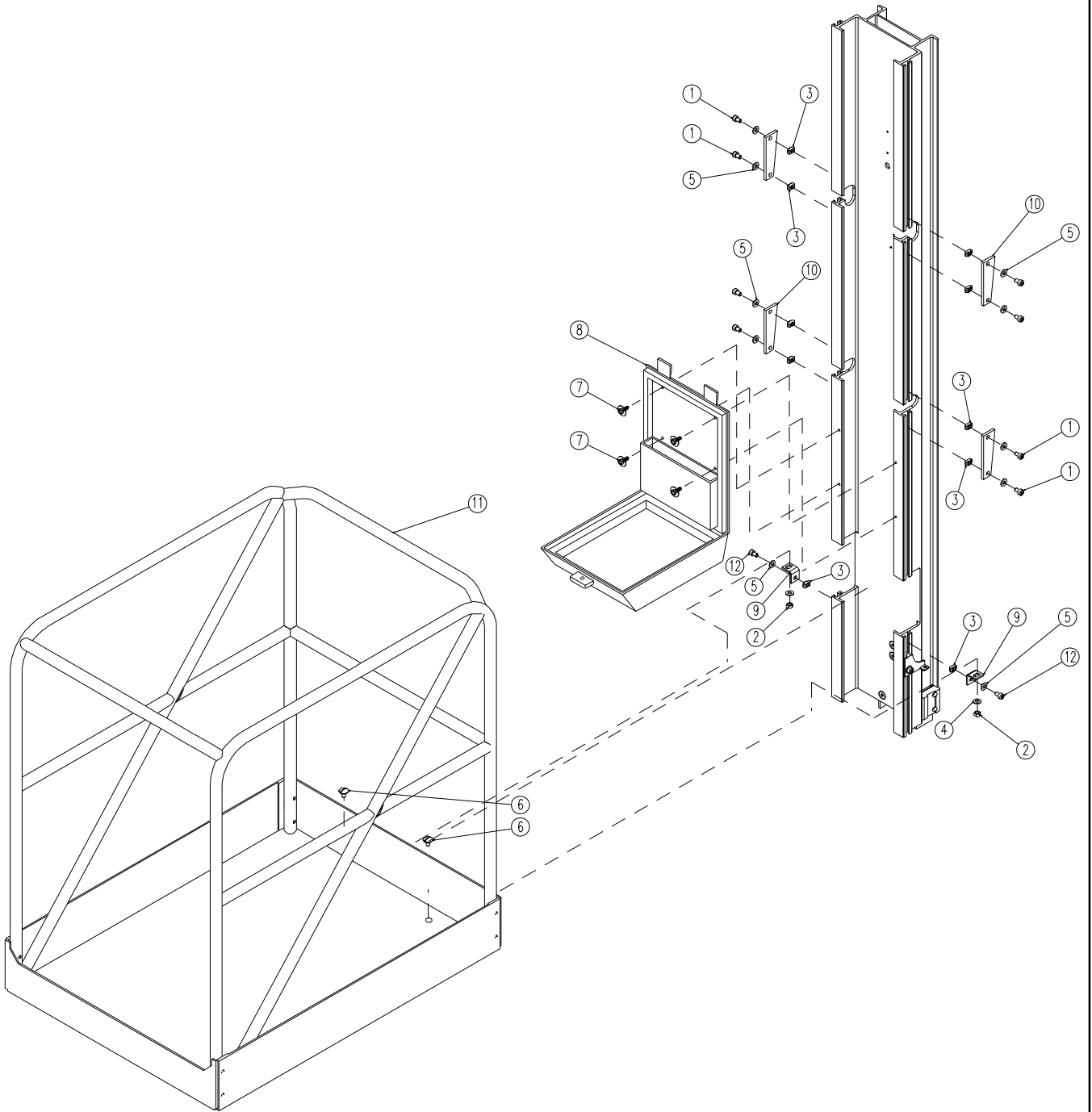
***SPARE PARTS***  
***PIECES DETACHEES***

**SECTION 6**

**PLATFORM INSTALL.**  
**INSTALLATION PANIER.**



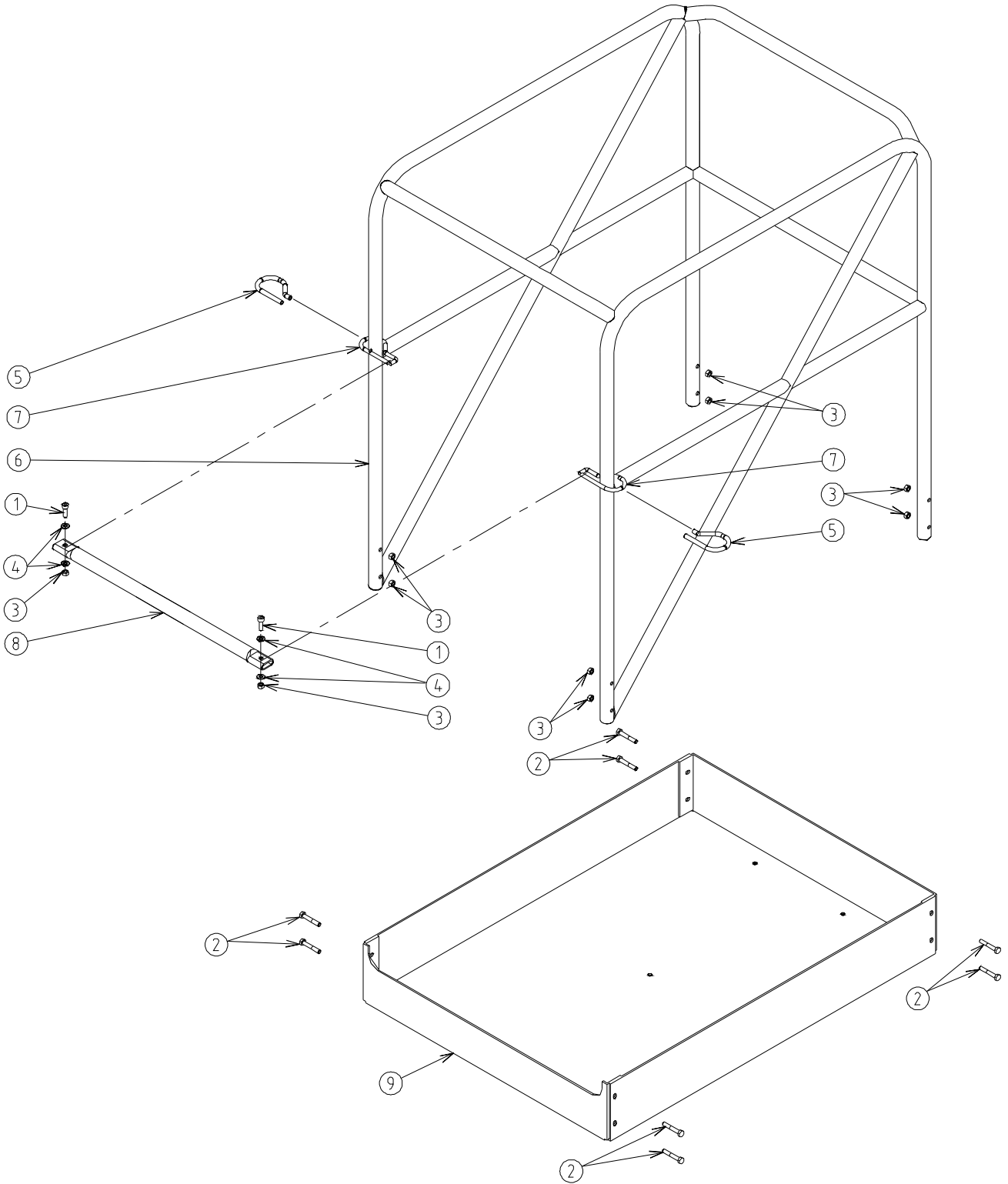
# PLATFORM INSTALL INSTALLATION PANIER







# PLATFORM ASSEMBLY ASSEMBLAGE PANIER







***SPARE PARTS***  
***PIECES DETACHEES***

**SECTION 7**

**DECALS INSTALL.**  
**INSTALLATION AUTOCOLLANTS.**



<b>Toucan Junior 8</b>	<b>INSTRUCTIONS /CONSIGNES</b>	<b>LOAD/CHARGE</b>	<b>EMERGENCY /SECOURS</b>
Belgium/Belgique (Fr - Dutch/Hollande)	AU1384	AU1385	AU1150
	<b>PA0706</b>		
Danemark/Denmark	AU1406	AU1407	AU1079
	<b>PA0723</b>		
Dutch/Hollande	AU1394	AU1395	AU1022
	<b>PA0719</b>		
Finland/Finlande	AU1541	AU1543	AU1019
	<b>PA0801</b>		
France	AU1611	AU1372	AU0932
	<b>PA0686</b>		
Germany/Allemagne Austria/Autriche	AU1430	AU1376	AU1017
	<b>PA0737</b>		
Italy / Italie	AU1382	AU1383	AU1016
	<b>PA0702</b>		
Norway / Norvège	AU1920	AU1923	AU1783
	<b>PA0986</b>		
Portugal	AU1961	AU1962	AU1027
	<b>PA1008</b>		
Spain/Espagne	AU01444	AU1445	AU1024
	<b>PA0747</b>		
Sweden / Suède	AU1472	AU1473	AU1030
	<b>PA0763</b>		
Switzerland / Suisse	AU1430	AU1376	AU1017
	<b>PA0737</b>		
United Kingdom Royaume uni	AU1373	AU1374	AU0923
	<b>PA0687</b>		

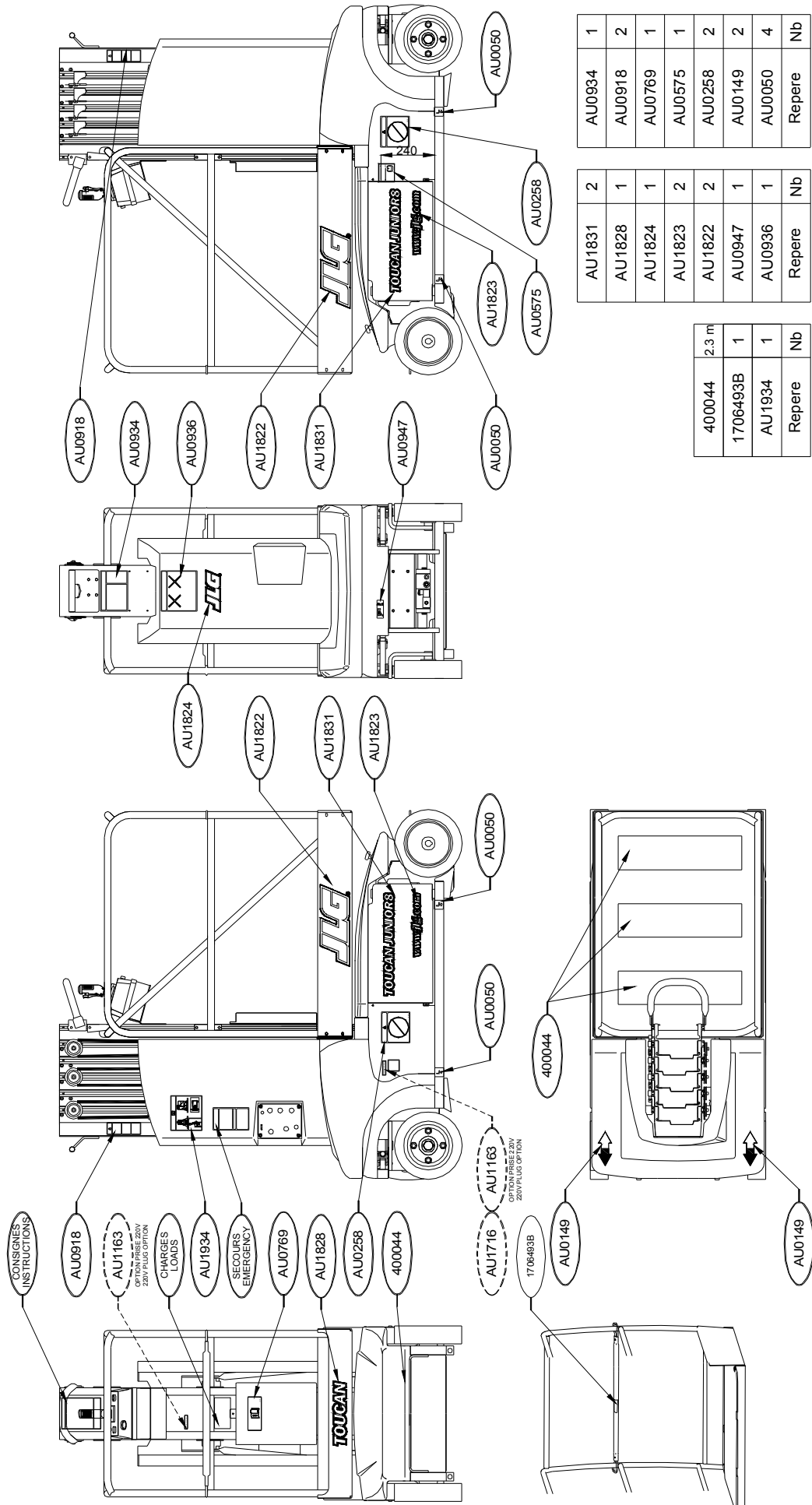
**PAxxxx = COMPLETE KIT / JEU COMPLET**

**MANUFACTURER'S NAME PLATE**

**PLAQUE CONSTRUCTEUR**

**AU1838**

# Toucan Junior 8 DECALS INSTALL INSTALLATION AUTOCOLLANTS Toucan Junior 8



AU0934	1
AU0918	2
AU0769	1
AU0575	1
AU0258	2
AU0149	2
AU0050	4
Repere	Nb

AU1831	2
AU1828	1
AU1824	1
AU1823	2
AU1822	2
AU0947	1
AU0936	1
Repere	Nb

400044	2.3 m
1706493B	1
AU1934	1
Repere	Nb

**Toucan Junior 8  
(DI & total opening  
platform / Panier DI  
& à ouverture totale)**

	INSTRUCTIONS /CONSIGNES	LOAD/CHARGE	EMERGENCY /SECOURS	LOAD TRANSFER /TRANSFERT DE CHARGE
Belgium/Belgique (Fr - Dutch/Hollande)	AU1384	AU1438	AU1150	FR AU1227 Dutch/HL AU1389
	<b>PA0740</b>			
Dutch/Hollande	AU1394	AU1441	AU1022	AU1389
	<b>PA0742</b>			
Finland/Finlande	AU1541	AU1543	AU1019	AU1544
	<b>PA0803</b>			
France	AU1611	AU1437	AU0932	AU1227
	<b>PA0741</b>			
Germany/Allemagne Austria/Autriche	AU1430	AU1439	AU1017	AU1433
	<b>PA0743</b>			
Norway / Norvège	AU1920	AU1923	AU1783	AU1753
	<b>PA0987</b>			
Portugal	AU1961	AU1963	AU1027	AU1753
	<b>PA1007</b>			
Sweden / Suède	AU1472	AU1474	AU1030	AU1471
	<b>PA0764</b>			
Switzerland / Suisse	AU1430	AU1439	AU1017	AU1433
	<b>PA0743</b>			
United Kingdom Royaume uni	AU1373	AU1440	AU0923	AU1387
	<b>PA0739</b>			

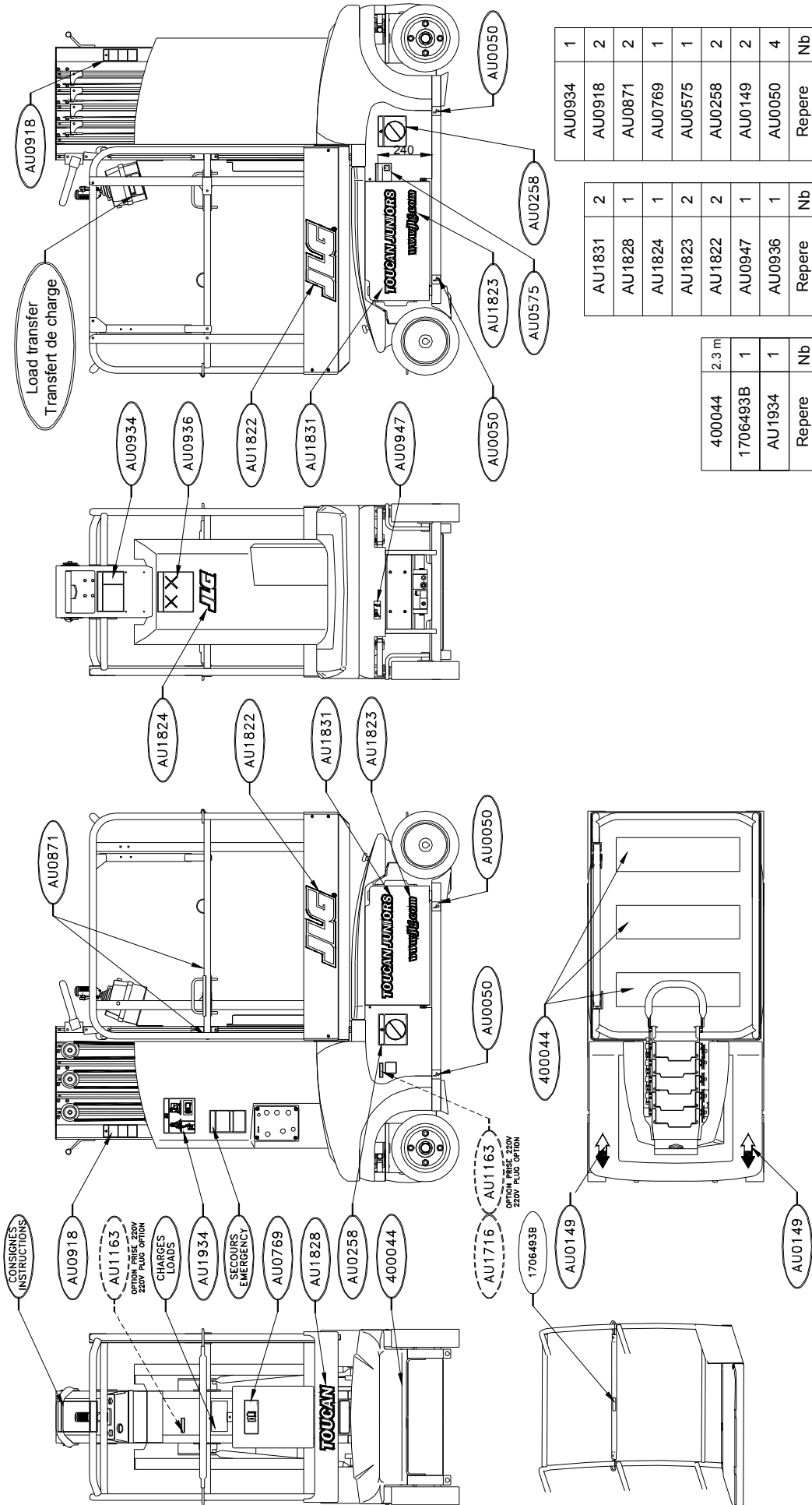
**PAxxxx = COMPLETE KIT / JEU COMPLET**

<b>MANUFACTURER'S NAME PLATE PLAQUE CONSTRUCTEUR</b>	
<b>DI platform Panier DI</b>	<b>Total opening platform Panier à ouverture totale</b>
<b>AU1839</b>	<b>AU1838</b>



# Decals install for Junior 8 DI & total opening platform

## Autocollants Junior 8 DI & panier à ouverture totale



AU0934	1
AU0918	2
AU0871	2
AU0769	1
AU0575	1
AU0258	2
AU0149	2
AU0050	4
Repere	Nb

AU1831	2
AU1828	1
AU1824	1
AU1823	2
AU1822	2
AU0947	1
AU0936	1
Repere	Nb

400044	2.3 m
1706493B	1
AU1934	1
Repere	Nb

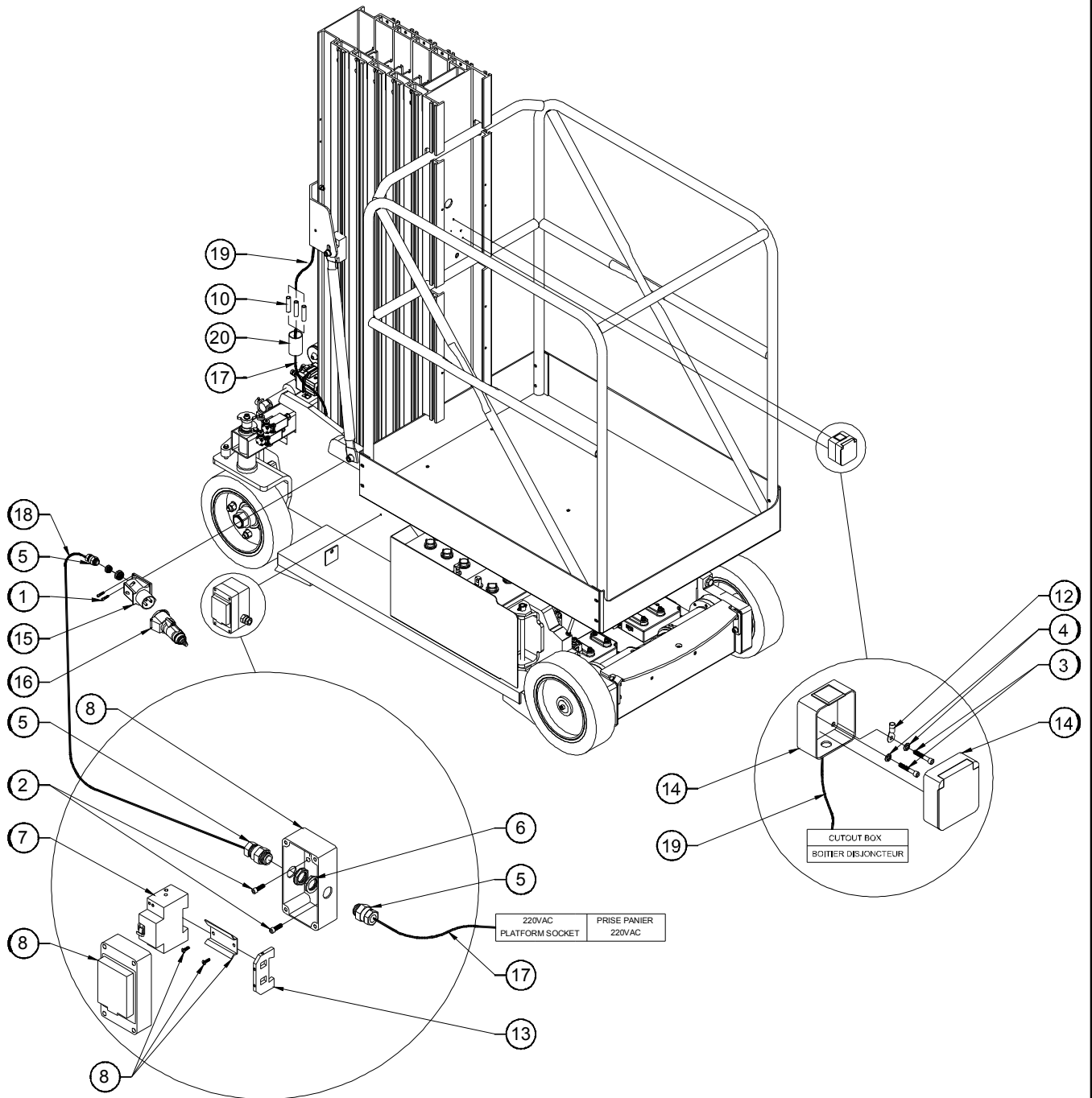


***SPARE PARTS  
PIECES DETACHEES***

# **OPTIONS**



# 220VAC PLATFORM SOCKET INSTALL INSTALLATION PRISE PANIER 220VAC





ISSUE DATE : 12/09/97

# TOOLS TRAY ASSEMBLY

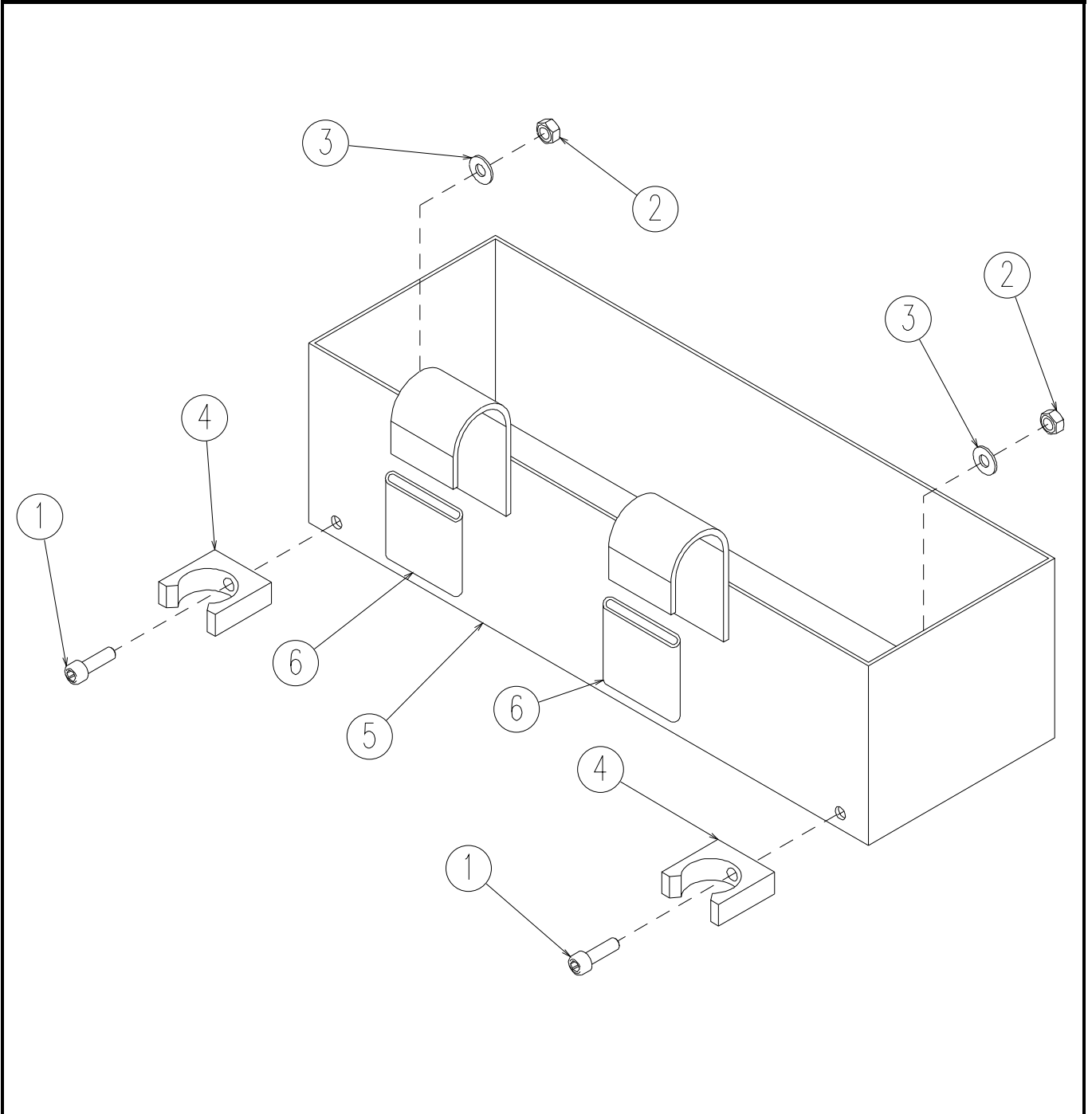
ISSUE REL :

## ASSEMBLAGE BOITE A OUTILS

ASSY NO : SP0169 REV :

1/1

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REV	QTY REQ.
1	000005		M06x20 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x20 8.8 BI FT		2
2	110003		M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		2
3	120009		dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		2
4	190028		Ø28 CLIP	CLIP Ø28		2
5	DL0378		ALUMINIUM TOOLS TRAY WELDMENT	BOITE MECANOSOUDE		1
6	280015		Black Heat Shrink Sleeve (quantity in meter)	GAINE THERMO Noire (quantité en mètre)		2x0.08



ISSUE DATE : 12/09/97

# TUBE HOLDER ASSEMBLY

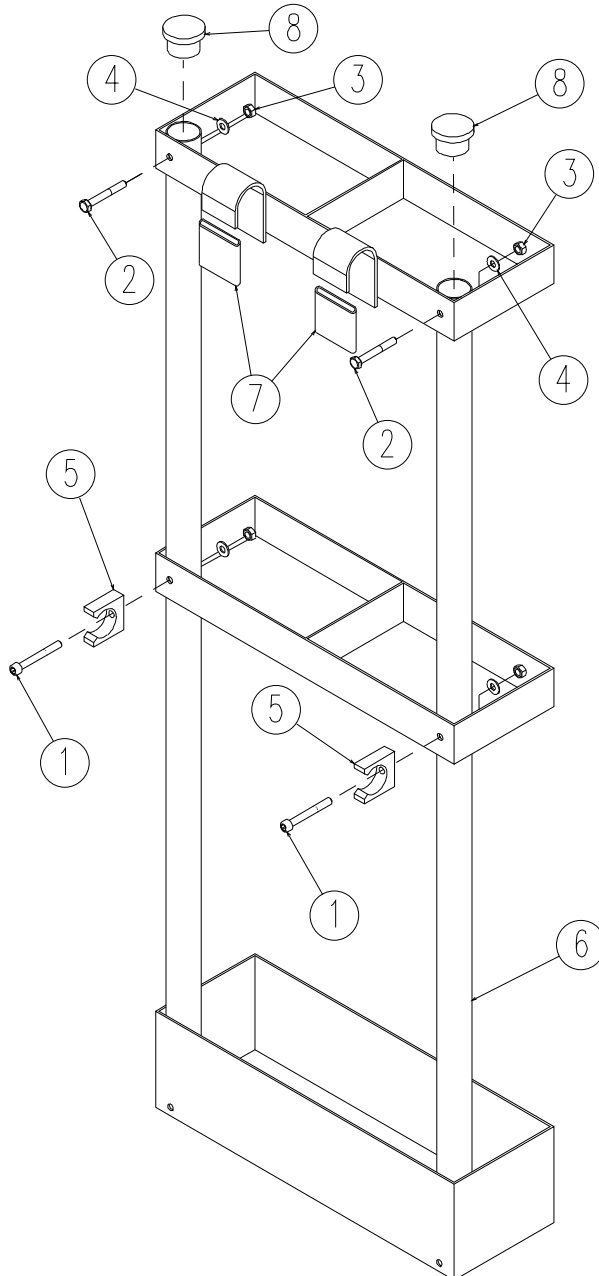
ISSUE REL :

# ASSEMBLAGE PORTE NEON

ASSY NO : SP0170 REV :

1/1

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REV	QTY REQ.
1	000026		M06x50 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x50 8.8 BI FP		2
2	100004		M06x45 8.8 HEX HEAD MACHINE SCREW	VIS H M06x45 8.8 BI FT		2
3	110003		M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		4
4	120009		dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		4
5	190028		Ø28 CLIP	CLIP Ø28		2
6	DL0379		TUBE HOLDER WELDMNT	PORTE NEON MECANOSOUDE		1
7	280015		Black THERMO SHEATH (quantity in meter)	GAINE THERMO Noire (quantité en mètre)		2x0.08
8	400043		CAP	BOUCHON		2



ISSUE DATE : 10/12/00

# DOCUMENTS BOARD

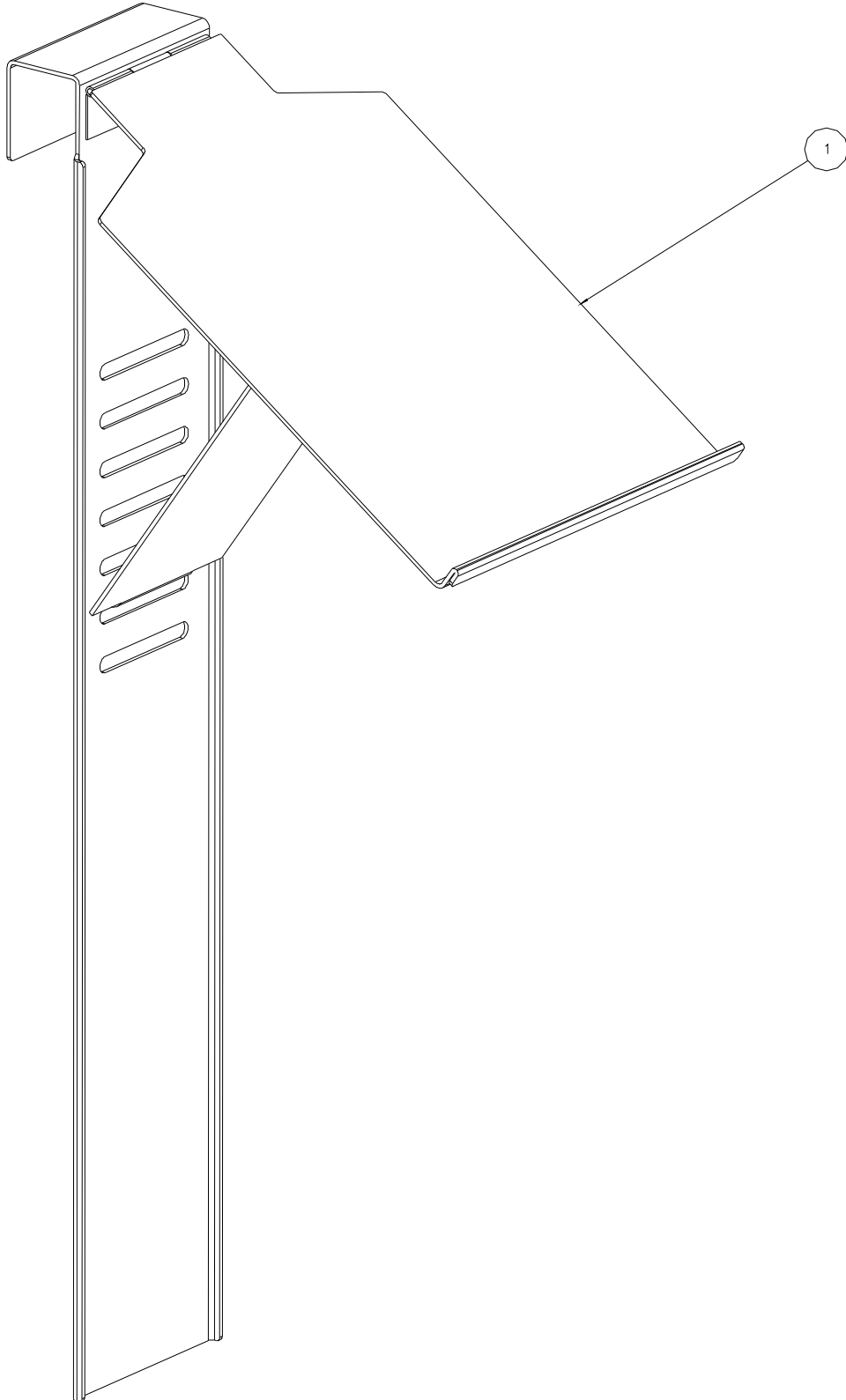
ISSUE REL :

## TABLETTE PORTE DOCUMENTS

ASSY NO : OPS391 REV :

1/1

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REV	QTY REQ.
1	DL0457		DOCUMENTS BOARD	TABLETTE PORTE DOCUMENTS		1





ISSUE DATE : 10/12/00

# LANYARD ATTACHMENTS INSTALL

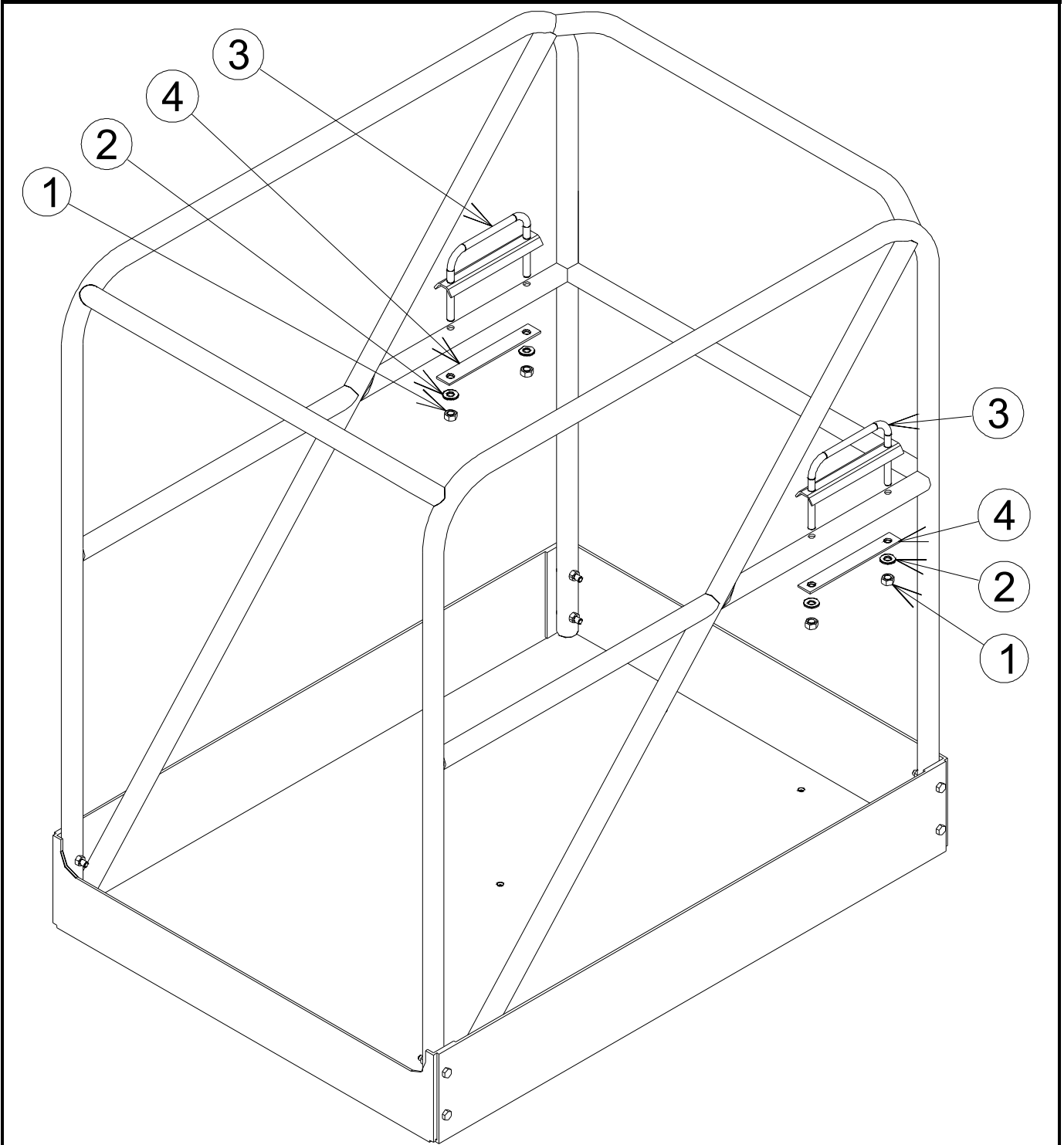
ISSUE REL :

# INSTALLATION CROCHETS DE SECURITE

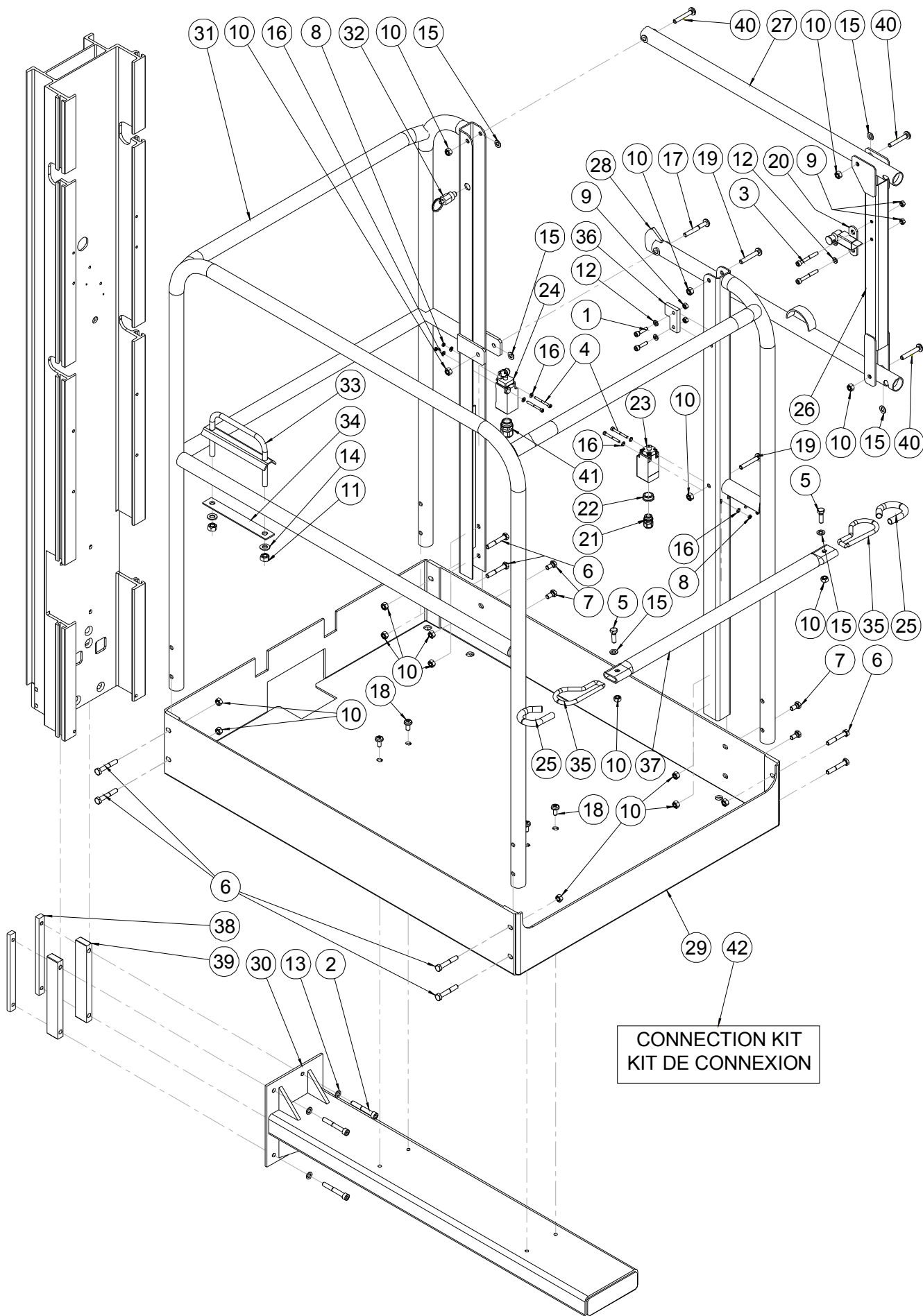
ASSY NO : OPS317 REV :

1/1

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REV	QTY REQ.
1	110005		M10 GR. 8.8 LOCK NUT	ECROU FREIN M10 8.8 BI		4
2	120011		dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		4
3	ST0567		LANYARD ATTACHMENT	CROCHET DE SECURITE		2
4	ST0568		LANYARD ATTACHMENT PLATE	PLAT DE CROCHET		2



# TOUCAN JUNIOR DI PLATFORM INSTALL INSTALLATION PANIER DI TOUCAN JUNIOR



ISSUE DATE : 06/10/04

# TOUCAN JUNIOR DI PLATFORM INSTALL

ISSUE REL :

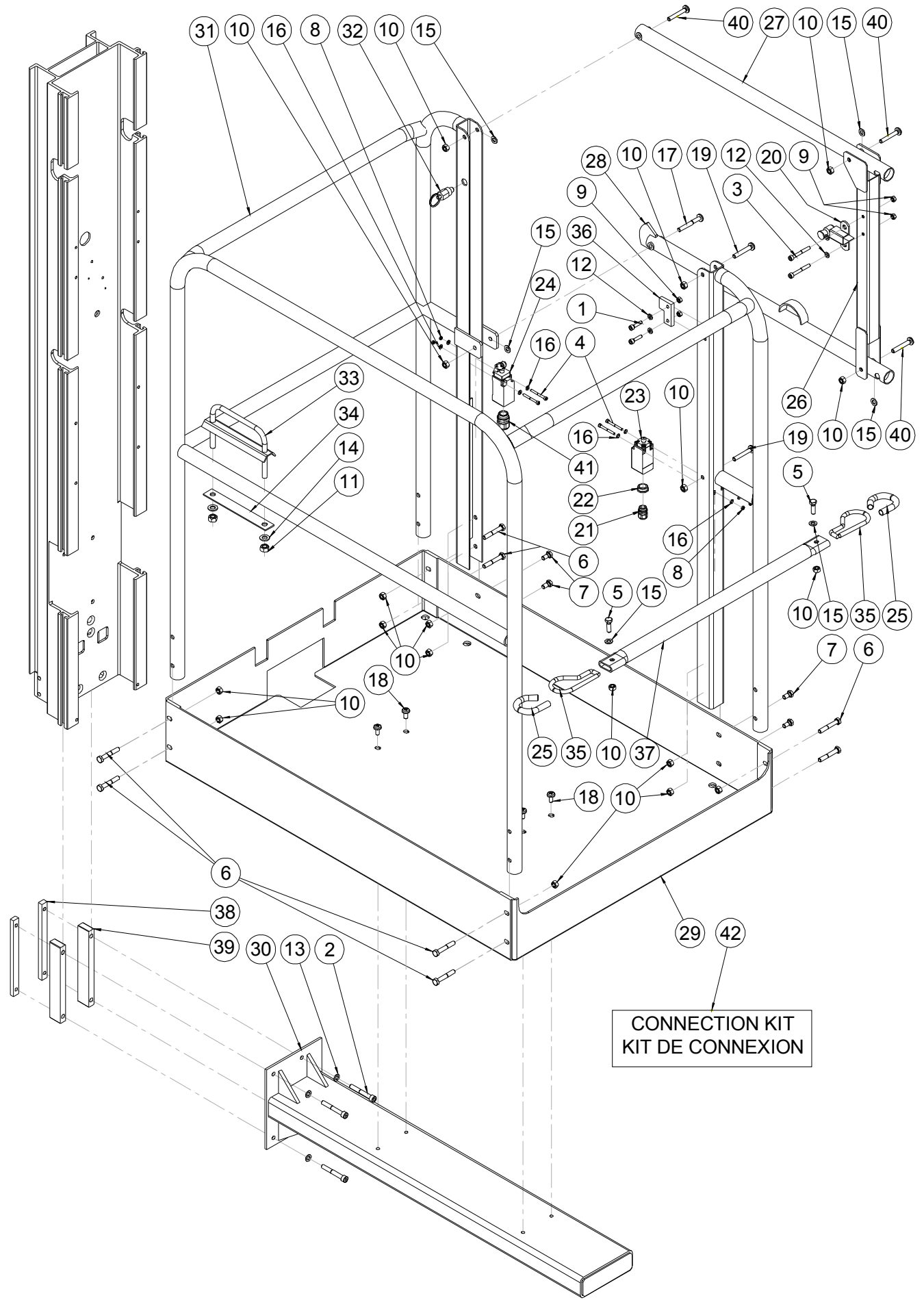
## INSTALLATION PANIER DI TOUCAN JUNIOR

ASSY NO : OPS390 REV : B

1/2

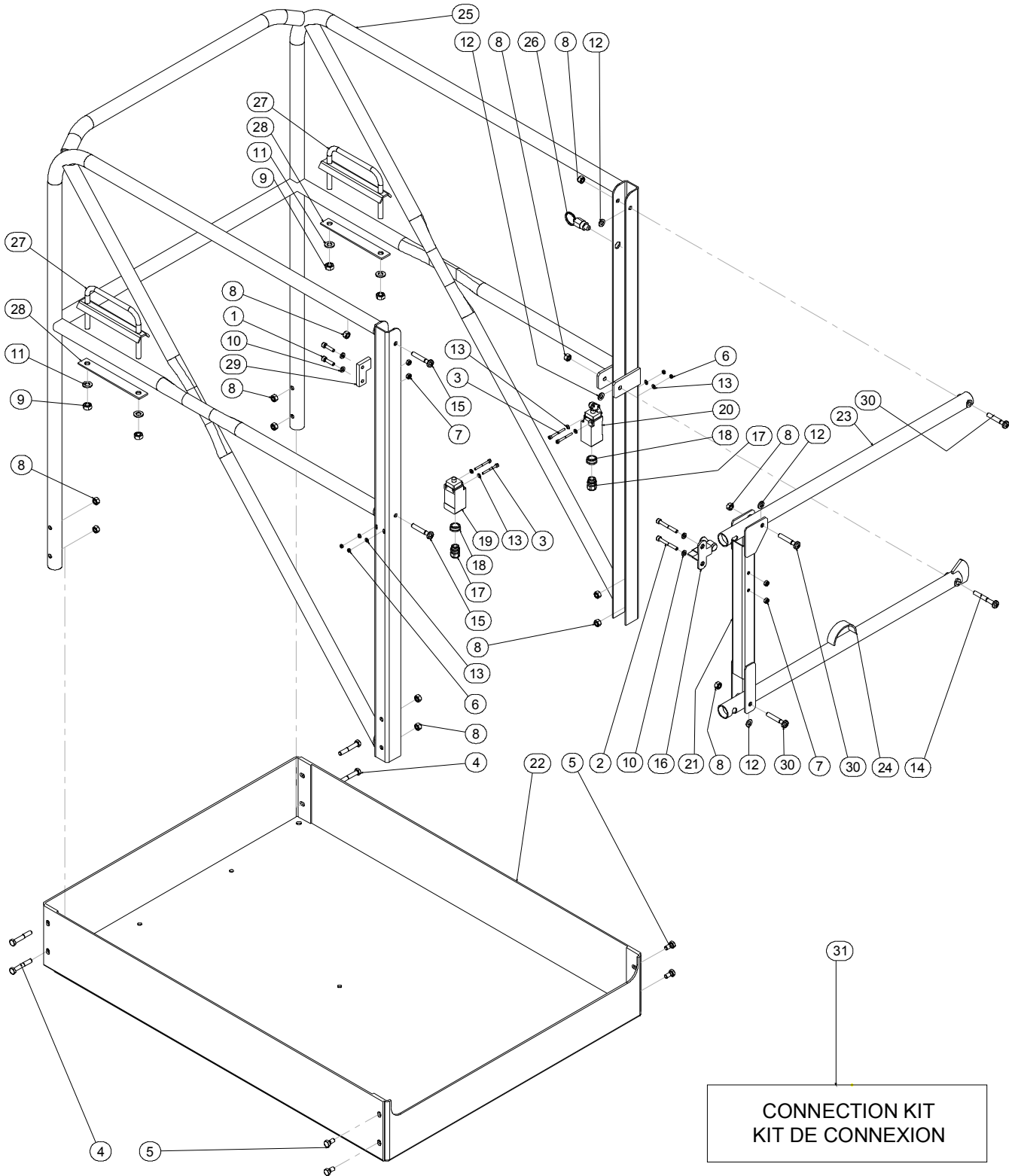
DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		R E V	QTY REQ.
1	000008		M06x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x25 8.8 BI FT	A	2
2	000078		M08x55 8.8 S SOCKET HEAD CAPSCREW	VIS CHC M08x55 8.8 BI FP	A	4
3	000026		M06x50 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x50 8.8 BI FP	A	2
4	000032		M04x40 8.8 SOCKET HEAD CAPSCREW	VIS CHC M04x40 8.8 BI FP	A	4
5	000053		M08x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M08x25 8.8 BI FT	A	2
6	100007		M08x50 8.8 HEX HEAD CAPSCREW	VIS H M08x50 8.8 BI FP	A	8
7	100054		M08x16 8.8 HEX HEAD MACHINE SCREW	VIS H M08x16 8.8 BI FT	A	4
8	110001		M04 GR. 8.8 LOCK NUT	ECROU FREIN M4 8.8 BI	A	4
9	110003		M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI	A	4
10	110004		M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI	A	20
11	110005		M10 GR. 8.8 LOCK NUT	ECROU FREIN M10 8.8 BI	A	2
12	120009		dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI	A	4
13	120010		dD 08x18 LOCK WASHER	RONDELLE CONTACT dD 08x18 BI	A	4
14	120011		dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI	A	2
15	120014		M08 WASHER	RONDELLE M08 BI	A	6
16	120024		M04 LOCK WASHER	RONDELLE CONTACT M04 BI	A	8
17	130011		M08x60 CROSS PAN HEAD CAPSCREW	VIS BOMBEE FENDUE M08x60 BI FT	A	1
18	130013		M08x16 CROSS PAN HEAD CAPSCREW	VIS BOMBEE FENDUE M08x16 BI FT	A	4
19	130018		M08x50 CROSS PAN HEAD CAPSCREW	VIS BOMBEE FENDUE M08x50 BI FT	A	2
20	190010		LOCK	VERROU	A	1
21	210017		GLAND N°9	PRESSE ETOUPE N°9	B	1
22	250015		REDUCTION 13/9	REDUCTION 13/9	B	1
23	260016		SWITCH	CAPTEUR	A	1
24	260182		SWITCH	CAPTEUR	A	1
25	280023		PROTECTION SLEEVE (quantity in meter)	GAINE DE PROTECTION (qté en mètre)	A	2x0.17
26	DL0565		JUNCTION TUBE	TUBE DE LIAISON	A	1
27	DL0566		UP RAIL GATE	LISSE SUPERIEURE PORTILLON	A	1
28	DL0567		DOWN RAIL GATE	LISSE INFERIEURE PORTILLON	A	1
29	DL0568		DI PLATFORM FLOOR	PLANCHER PANIER DI	A	1
30	DL0569		DI PLATFORM SUPPORT	SUPPORT PANIER DI	A	1
31	SD0546		DI PLATFORM WELDMENT	ARMATURE PANIER DI	A	1
32	SE0308		LOCKING PIN	INDEX	A	1
33	ST0567		LANYARD ATTACHMENT	CROCHET DE SECURITE	A	1
34	ST0568		LANYARD ATTACHMENT PLATE	PLAT DE CROCHET	A	1
35	ST0736		SLIDING GATE LOOP	ANNEAU PORTILLON	A	2
36	ST1602		LOCKING BRACKET	EQUERRE DE VEROUILLAGE	A	1
37	ST1637		PLATFORM SLIDING GATE	PORTILLON	A	1

# TOUCAN JUNIOR DI PLATFORM INSTALL INSTALLATION PANIER DI TOUCAN JUNIOR





# PLATFORM WITH TOTAL OPENING GATE PANIER A OUVERTURE TOTALE



ISSUE DATE : 16/07/01

## PLATFORM WITH TOTAL OPENING GATE

ISSUE REL :

## PANIER A OUVERTURE TOTALE

ASSY NO : OPS410 REV :

1/1

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		R E V	QTY REQ.
1	000008		M06x25 8.8 SOCKET HEAD MACH SCREW	VIS CHC M06x25 8.8 BI FT		2
2	000026		M06x50 8.8 SOCKET HEAD CAPSCREW	VIS CHC M06x50 8.8 BI FP		2
3	000032		M04x40 8.8 SOCKET HEAD CAPSCREW	VIS CHC M04x40 8.8 ZI FP		4
4	100007		M08x50 8.8 HEX HEAD CAPSCREW	VIS H M08x50 8.8 BI FP		4
5	100054		M08x16 8.8 HEX HEAD MACHINE SCREW	VIS H M08x16 8.8 BI FT		4
6	110001		M04 GR. 8.8 LOCK NUT	ECROU FREIN M4 8.8 BI		4
7	110003		M06 GR. 8.8 LOCK NUT	ECROU FREIN M6 8.8 BI		4
8	110004		M08 GR. 8.8 LOCK NUT	ECROU FREIN M8 8.8 BI		13
9	110005		M10 GR. 8.8 LOCK NUT	ECROU FREIN M10 8.8 BI		4
10	120009		dD 06x14 LOCK WASHER	RONDELLE CONTACT dD 06x14 BI		4
11	120011		dD 10x22 LOCK WASHER	RONDELLE CONTACT dD 10x22 BI		4
12	120014		M08 WASHER	RONDELLE M08 BI		4
13	120024		M04 LOCK WASHER	RONDELLE CONTACT M04 BI		8
14	130011		M08x60 CROSS PAN HEAD CAPSCREW	VIS BOMBEE FENDUE M08x60 BI FT		1
15	130018		M08x50 CROSS PAN HEAD CAPSCREW	VIS BOMBEE FENDUE M08x50 BI FT		2
16	190010		LOCK	VERROU		1
17	210017		GLAND N°9	PRESSE ETOUPE N°9		2
18	250015		REDUCTION 13/9	REDUCTION 13/9		2
19	260016		SWITCH	CAPTEUR		1
20	260182		SWITCH	CAPTEUR		1
21	DL0503		JUNCTION TUBE	TUBE DE LIAISON		1
22	DL0505		PLATFORM FLOOR	PLANCHER PANIER		1
23	DL0566		UP RAIL GATE	LISSE SUPERIEURE PORTILLON		1
24	DL0606		DOWN RAIL GATE	LISSE INFERIEURE PORTILLON		1
25	SD0577		PLATFORM WELDMENT	ARMATURE PANIER		1
26	SE0308		LOCKING PIN	INDEX		1
27	ST0567		LANYARD ATTACHMENT	CROCHET DE SECURITE		2
28	ST0568		LANYARD ATTACHMENT PLATE	PLAT DE CROCHET		2
29	ST1602		LOCKING BRACKET	EQUERRE DE VEROUILLAGE		1
30	ST1602		LOCKING BRACKET	EQUERRE DE VEROUILLAGE		3
31	<b>CONNECTION KIT / KIT DE CONNEXION</b>					
31	210009		GLAND N°9 NUT	ECROU DE PRESSE ETOUPE N°9		2
31	210017		GLAND N°9	PRESSE ETOUPE N°9		2
31	250027		BLUE RECEPACLE TER. 6.3 - 1.5-2.5mm²	COSSE FEM. 6.3 BLEUE 6.3 - 1.5-2.5mm²		4
31	250037		SPLICE TERMINAL 1-2.5mm²	EPISSURE DE CABLE 1-2.5mm²		4
31	250051		CHANNEL D11.5	PASSE FIL D11.5		2
31	260019		1RT 24V RELAY	RELAIS 24 V 1RT		1
31	270010		CABLE 2x1mm² (quantity indicated in meter)	CABLE 2x1mm² (qté indiquée en mètre)		5.5
31	280011		Heat Shrink Sleeve 6 (quantity in meter)	GAINE THERMO 6 (qté indiquée en mètre)		1

ISSUE DATE : 17/03/03

## FLASHING LIGHTS INSTALL

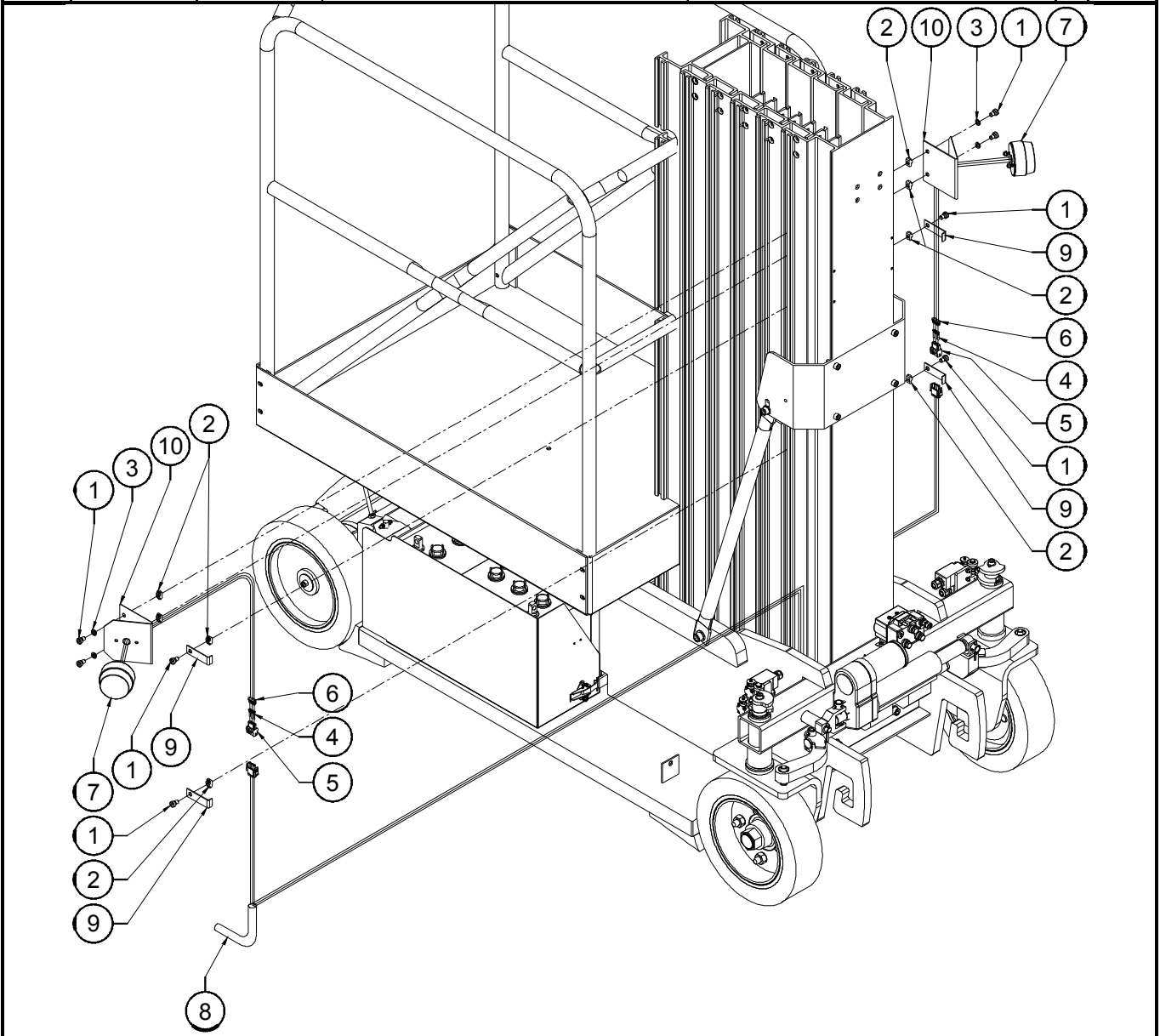
ISSUE REL :

## INSTALLATION LAMPES A ECLATS

ASSY NO : OPS451 REV :

1/1

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REV	QTY REQ.
1	000059		M08x12 8.8 S SOCK HEAD MACH SCREW	VIS CHC M08x12 8.8 BI FT TETE BASSE		8
2	110030		M08 RECTANGULAR BASE NUT	ECROU A EMBASE RECTANGULAIRE M08		8
3	120021		HELICAL SPRING LOCK WASHER Ø8	RONDELLE GROWER Ø8 BI		4
4	210033		SOCKET CONTACT "MATE N LOK"	CONTACT FEMELLE "MATE N LOK"		6
5	250141		3 POSITIONS "MNL" CAP HOUSING	CONNECTEUR FEMELLE 3 CTS "MNL"		2
6	250144		3 POSITIONS WIRE SEAL	JOINT ARRIERE CONNECTEUR 3 CTS		2
7	260229		FLASHING LIGHT	FEU A ECLAT		2
8	PC0209	PC0209	HARNESS ASSEMBLY-FLASHING LIGHTS	CABLAGE LAMPES A ECLATS		1
9	ST1193		WIRE FIXATION	FIXATION CABLE		4
10	ST2147		FLASHING LIGHT BRACKET	SUPPORT LAMPE A ECLAT		2





ISSUE DATE : 11/03/03

# HARNESS ASSEMBLY-FLASHING LIGHTS

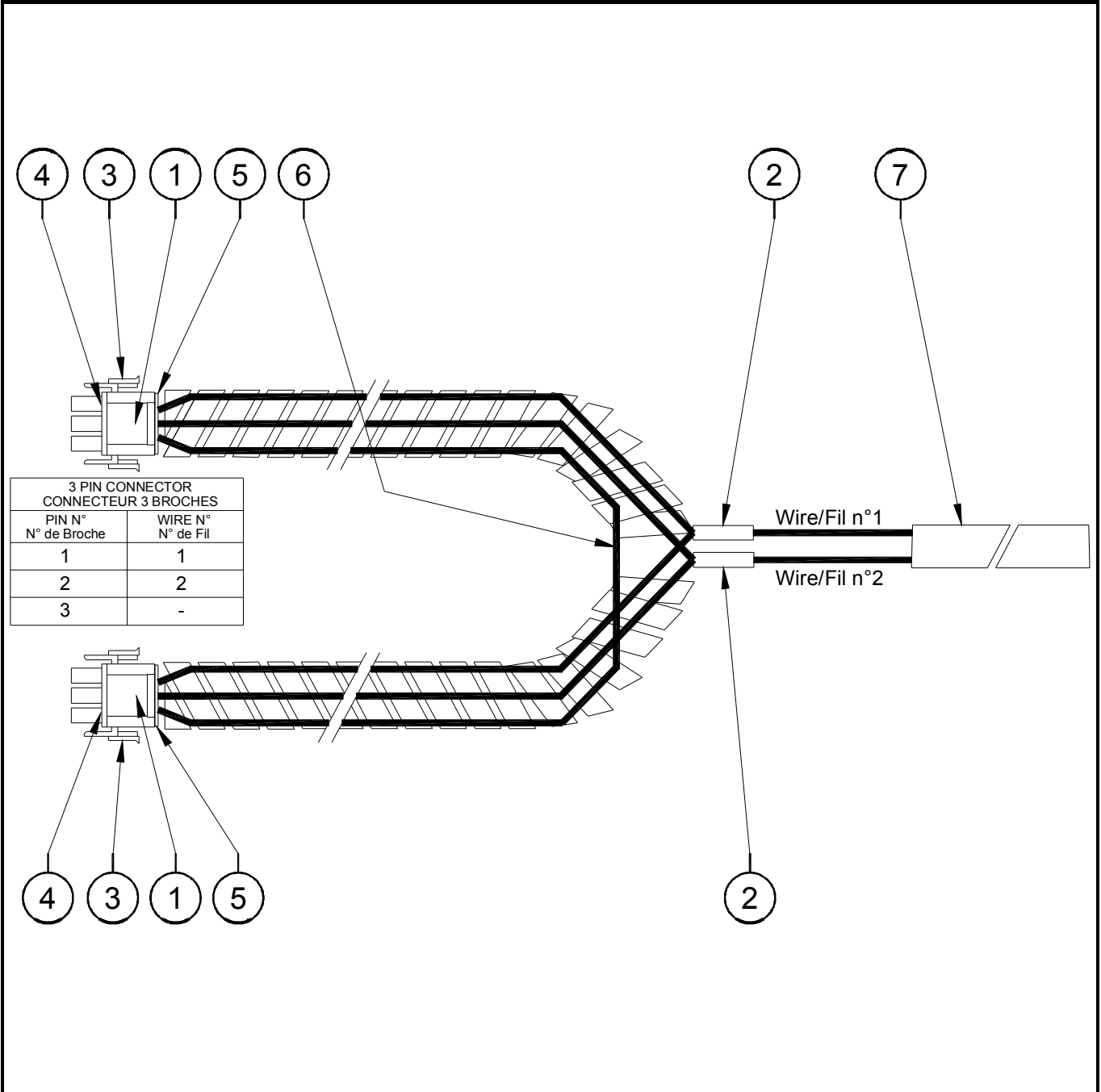
ISSUE REL :

## CABLAGE LAMPES A ECLATS

ASSY NO : PC0209 REV :

1/1

DET NO.	PART NUMBER	SEE VIEW	DESCRIPTION		REV	QTY REQ.
1	210034		PIN CONTACT "MATE N LOK"	CONTACT MALE "MATE N LOK"		6
2	250037		SPLICE TERMINAL 1-2.5mm <sup>2</sup>	EPISSURE DE CABLE 1-2.5mm <sup>2</sup>		2
3	250140		3 POSITIONS "MNL" PLUG HOUSING	CONNECTEUR MALE 3 CONTACTS "MNL"		2
4	250143		3 POSITIONS INTERFACE SEAL	JOINT INTERFACE CONNECTEUR 3 CTS		2
5	250144		3 POSITIONS WIRE SEAL	JOINT ARRIERE CONNECTEUR 3 CTS		2
6	270001		WIRE 1 mm <sup>2</sup> (quantity indicated in meter)	FIL 1 mm <sup>2</sup> (qté indiquée en mètre)		1.8
7	270010		CABLE 2x1mm <sup>2</sup> (quantity indicated in meter)	CABLE 2x1mm <sup>2</sup> (qté indiquée en mètre)		1.3



# CROSS REFERENCE CHART

## TABLEAU DE CORRESPONDANCE

	Pages	Main assembly Assemblage supérieur
520099	4-2	SP0613
OPS317	8-5	
OPS390	8-6	
OPS391	8-4	
OPS395	8-1	
OPS410	8-7	
OPS451	8-8	
OPS482	1-1	SP0614
Paxxxx	7	
PC0202	2-3	
PC0209	8-8-1	OPS451
PC0377	2-4	
RM0048	6	
RM0059	4-3-1	SP0403
SE0454	6-1	RM0048
SP0169	8-2	
SP0170	8-3	
SP0386	5-2	SP0618
SP0387	5-5	SP0618
SP0388	5-6	SP0618
SP0390	3	
SP0403	4-3	SP0613
SP0406	4-1	SP0613
SP0613	4	SP0390
SP0614	1	
SP0615	2-1	
SP0616	2-2	
SP0618	5	SP0390
SP0619	5-1	SP0618
SP0620	5-3	
SP0621	5-4	
SP0622	5-7	SP0618
ST2055	5-1-1	SP0619