



Quantum 510 LPG Parts Manual



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REVISION RECORD

Date	Revision	Page	Reason
01/12/2011	1	All Pages	Original Issue
11/03/2016	2	4-14 to 4-15	Air Separators updated
	2	2-11	Part 951257 added
	2	2-19	Part 951255 added
	2	2-21	Part 951249 added
	2	3-13	Part 901235-001 replaced
	2	5-19	Table item 3 Updated
	2	2-2	Driptray Updated
	2	2-19	Driptray Updated
	2	4-4 to 4-5	New drawing added
	2	4-8 to 4-9	New drawing added
	2	4-32 to 4-33	New pages added
	2	4-38 to 4-39	New pages added
	2	4-42 to 4-43	New pages added
	2	4-36 to 4-37	Asco valves added
	2	5-6 to 5-7	New pages added
	2	3-13	Ballon (2) updated
	2	2-13	Title 2.3.1 Standard Airgap Assembly manufactured before December 2013 added
	2	2-14 to 2-15	2.3.2 Standard airgap asm manufactured after November 2013 added
	2	5-49	Ballon (9) updated
	2	2-3	Remove spring drum instruction stickers from one per spring drum to one "refer to maintenance manual" per side. Work instruction to be updated for production.
	2	2-3	Add 954477 - Bracket shear valves SC (For Customer Gazprom)
	2	2-3	Add 909270 - Breaket schear valve LPG (without chair ref)
	2	2-3	Remove Item 21 from item list
	2	2-3	Add 954337 - Driptray LPG short combo assy (For Customer Gazprom)
	2	2-3	Add 954337 - Driptray LPG short combo assy (For Customer Gazprom)
	2	2-3	Add 954358 - Column short combo assy (For Customer Gazprom)
	2	2-3	Replace ACP with Alu.
	2	2-3	Replace 946340 with 957621.
	2	2-5	Remove item 28 from Item list
	2	2-5	Add 954343 - Gutter LHS short combo assy (For Customer Gazprom)
	2	2-5	Add 954341 - Gutter RHS short combo assy (For Customer Gazprom)
	2	2-5	Item 32 Seal Long Right Calc Head 947888 replaced by 956785 Seal long Right Calc Head NDS
	2	2-5	Item 33 Seal Short Calc Head 947889 replaced by 956782-Seal Short calc Head NDS
	2	2-5	Item 34 Seal Long Left Calc Head replaced by 956784-Seal long left Calc Head NDS
	2	2-5	Add 954339 - Fire barrier short combo assy (For Customer Gazprom)

Date	Revision	Page	Reason
	2	2-7	Remove spring drum instruction stickers from one per spring drum to one "refer to maintenance manual" per side. Work instruction to be updated for production.
	2	2-9	Item 17 Latch - Cord (Lock) 903276 replaced by 952863-Latch - Cord (lock) with earth
	2	2-9	Item 19 HMS Roof Panel 1C-905926 replaced by 951043-HMS Roof Panel 1C Alu
	2	2-9	Item 21 Hydraulic End Panel 906119 replaced by 951180 Hydraulic End Panel Alu
	2	2-9	Add 954368 - Top cover waffer SST SC assy (For Customer Gazprom)
	2	2-11	941903 replaced by 951064.
	2	2-11	Add 954354 - Hydraulic door alu short combo (For Customer Gazprom)
	2	2-11	Item 27 - NNB End Column Assy 943777 replaced by 953833-End Column MSAT Assy ALU
	2	2-11	For GG30 : 944312 (without studs) will be replaced by 952505 (with studs), already released and revised with this ECN. (same DFM plate for GG30 and Elaflex).
	2	2-11	Item 15: LPG Group Nozzle Boot Bracket 944485 replaced by: 952291 - Bracket nozzle boot LPG Group
	2	2-11	For blank Nozzle Boot Bracket : 945479 (without studs) will be replaced by 956180 (with studs).
	2	2-11	SST panel 944457 will be replaced by NEW panel 952743.
		2-11	ACP panel 944 458 will be replaced by NEW panel 952744.(not yet updated).
		2-11	Add 954350 - Column panel LHS alu SB assy (For Customer Gazprom)
		2-11	ALU panel 951316 will be replaced by NEW panel 952745.
		2-11	Add 954348 - Column panel RHS alu SB assy (For Customer Gazprom)
		2-11	949424 replaced by 951257.
		2-11	Creation of the VB cladding with 1 hole on each side.949425 is replaced by 958251.
			New part not found in assembly
		2-15	951006 replaced by 951374
		2-17	Removal of additional VB Foam brackets
		2-19	Add 945208- Breaket schear valve LPG
		2-19	942987 replaced by 951255.
		2-19	Add 954337 - Dripray LPG short combo assy (For Customer Gazprom)
		2-19	954686 - Drip tray - replaces 944320. (2 additional covers 954992 required in the BOM)
		2-21	Creation of a cover bracket in aluminium 957621 & replace 946340 (respectively in mild steel and ACP).
		2-21	Creation of M4x18 Screw
		2-23	Add 954483 - Craddle Q510 LPG wo chair assy (For Customer Gazprom)
		2-23	Replacement of non threaded M5x6 weld stud with M5x5 non threaded weld stud on part 906452.
		2-31	Distance spacer 900024-008x2 replaced by 900024-010x4 (8mm).
		2-33	Distance spacer 900024-008x2 replaced by 900024-010x4 (8mm).

Date	Revision	Page	Reason
		3-5	Distance spacer 900024-008x2 replaced by 900024-010x4 (8mm).
		3-5	This part becomes obsolete. it will be replaced by NC magnetic switch SECATEC 952887-002.
		3-9	This part become obsolete & will be replaced with 956212.
		3-11	This part become obsolete & will be replaced with 956212.
		3-11	Nut 900013-002x2 (M5) replaced by 900012-001x2 (M3).
		3-11	Distance spacer 900024-008x2 replaced by 900024-010x4 (8mm).
		3-11	This part becomes obsolete. it will be replaced by NC magnetic switch SECATEC 952887-002
		3-11	947820 (without studs) will be replaced by 952505 (with studs), already released and revised with this ECN
		3-11	948277 is to be replaced with part 956165.
		3-13	906424-001 become obsolete.
		3-13	Item 6: Nozzle - LPG Group Type 850 + 3/4 NPT 945542-003 replaced by: 945542-005 - Nozzle LPG GROUP 741 - (DISH)
		4-5	Add 954353 - Inlet pipe valve right (For Customer Gazprom)
		4-5	Add 954352 - Inlet pipe valve left (For Customer Gazprom)
		4-7	902362-001 : Only used on the Q510 => This elbow will not be used anymore on LPG dispensers.
		4-20	This drawing will be replaced by 955152.
		4-21	This part will be replaced by 955154 : New LPG pipe
		4-25	903689-001 - 22mm elbow will no longer be used but will be required for spares.
		4-25	954889 - pipe - replaces 950621 and 944313.
		2-29	Remove part 904464 from assemblies 949024, 947049, and 951365.
		5-3	Nut 900013-002x2 (M5) replaced by 900012-001x2 (M3).
		5-3	Item 23 DIT Clad Push Button Assy 906119 replaced by 951197
			DIT Clad PB Assy Alu
		5-5	Item 23 DIT Clad Deadman/Stop Button Assy 908846 replaced by 951201-DIT Clad Deadman/ Stop Assy
		5-5	Item 23 DIT Clad Deadman/Stop Button Assy 909134 replaced by 951203- DIT CLAD STOP PB ASY ALU
		5-5	Item 23 Calc Box DIT Clad Assy 907807 replaced by 951205- DIT Clad Assy Alu
		5-5	949261 (the ACP version)replaced by 957222(aluminium head).
			New part not found in assembly.
		5-5	Add another variant to list for item # 31: Single Electronic Welded Assy Alum. - Tête Electronique Soudée Asm Alum. - 949261 - Aluminium
		5-7	Item 16 Calculator Door Weld Assy 942561 replaced by 955299 - Calculator Door Weld Assy
		5-9	Item 22 Calculator Door Blind Weld Assy replaced by 955300 - Calculator Door Blind Welded
		5-11	Item 16 Calculator Door Weld Assy 942561 replaced by 955299 - Calculator Door Weld Assy
		5-21	Item 18: Relay & Socket Assy SP C/O 24v 944844 replaced by: 948754-001 - Relay assy 24Vdc 2 Change Over
		5-32	Item 16: Relay & Socket Assy SP C/O 24v 944844 replaced by: 948754-001 - Relay assy 24Vdc 2 Change Over

Date	Revision	Page	Reason
		5-37	Replaced by 958078.
		5-61	Item 3 900676 - DIT foam seal is replaced by: 953107 - DIT foam seal Top 953108 - DIT foam seal Side 953109 - DIT foam seal Top
		5-61	Item 4 DIT Blind Door ACP 951118 replaced by 951117 Q510 DIT Blind Door Alu
		5-61	Item 4 DIT Blind Door ACP 907064 replaced by 950473-DIT door blind ACP asm
			Item 10 DIT Door Bezel Keypad ALU 951122 replaced by 951121-DIT door bezel keypad Alu
		5-61	Item 10 DIT Door Bezel Keypad ACP 944140 replaced by 950473-DIT door blind ACP asm

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1 INTRODUCTION

1.1 How To Use This Manual

It is recommended that all relevant persons familiarise themselves with the contents of this manual prior to carrying out any operations or procedures.

This manual is divided into sections which are described as follows: -

Section 1 - Introduction

This section contains information on how to use the manual, the scope of equipment covered, recommendations on qualified technicians and contact information. It also includes relevant health and safety information required for the safe practice of common maintenance procedures.

Section 2 - Cladding & Framework

This section contains the part identification list for the dispenser cladding and framework.

Section 3 - Hose Management

This section contains the part identification list for the dispenser hose management.

Section 4 - Dispenser Hydraulics

This section contains the part identification list for the dispenser hydraulics.

Section 5 - Dispenser Electronics

This section contains the part identification list for the dispenser electronics.

1.1.1 DRAWING INTERPRETATION

This Parts Manual is designed to show the maximum number of options and configurations using the minimum number of drawings. Therefore in many cases, the drawings will not correspond to a particular dispenser configuration and the engineer must take care to identify the required arrangement on the drawing.

For clarity, the following guidelines have been applied to the Parts Manuals:-

- Item quantities are not shown on the drawings or parts lists.
- If there are multiple sub-assemblies displayed on the same drawing then only one instance is exploded.
- Where possible, duplication has been avoided.

1.2 Product Scope

The equipment and models covered by the contents of this manual are the Quantum 510 LPG range of dispensers only. For information on other Quantum LPG or fuel dispensers, refer to the relevant manual as provided by Tokheim.

1.3 Authorised Technicians

Only qualified technicians familiar with the contents of this manual should carry out the procedures contained herein.



WARNING : ANY ATTEMPTS TO CARRY OUT THE PROCEDURES OF THIS MANUAL, BY UNQUALIFIED OR UNAUTHORISED PERSONS, MAY RESULT IN SERIOUS INJURY OR LOSS OF LIFE.

IMPORTANT : THIS MANUAL IS NOT INTENDED TO REPLACE THE SERVICES OF A FULLY QUALIFIED TECHNICIAN.

1.4 Contact Information

For information relating to the contents of this manual please contact: -

Technical Author
Tokheim UK Ltd.
Dundee, Scotland
author@dundee.tokheim.com

1.5 Health & Safety

1.5.1 SAFETY CHECKLIST

- It is obligatory that this checklist be fully complied with during all work at the petrol station, particularly construction or repair work.
- It is the duty of the contractor to ensure that all workers employed by him obey each and all of the relevant laws, directives and other regulations.

Areas where special caution is required

- The insides of tanks, tubes, dome shafts, filling shafts, change over shafts, vessels and dispensers.
- All areas in which fuel vapour that is heavier than air can accumulate, e.g. fuel separator, draining shafts, low located rooms, cellars, excavations, pipe trenches etc.
- The areas around the outlets of tank ventilation pipes, especially during the filling phase.
- All areas near dispensers, tanker lorries and other vehicles while they are being tanked up, and particularly when there is a lack of wind.
- A radius of 1.0 metres around petrol carrying pipes, as well as pipes that are not vapour free.
- Silt traps.

1.5.2 DUTIES OF THE EMPLOYEES

- To ensure optimal accident prevention in our company, in addition to general rules applying to worker's protection, it is necessary to take into account all the national protection of workers legislation and to actively support all measures which enhance safety standards.
- It is an employee's duty to follow all company directives regarding the prevention of accidents, unless such directives can be proved to be unfounded.
- Employees should not follow any instructions that go against safety standards.

- Employees are only permitted to use equipment for its original purpose, and this is defined by the company alone.
- If an employee detects equipment that is deficient in terms of safety, he shall eliminate this deficiency immediately. If such safety rectification is not part of his defined area of activities, or if his knowledge is insufficient to carry out such work he must immediately inform his superior about the detected safety deficiency.

This equally applies to:

- 1) **Work Materials** which have not been correctly packed or correctly marked in order to meet safety requirements.
- 2) **Work Methods** or work processes which have not been correctly coordinated or controlled in order to meet safety requirements.
- 3) **Where dangerous activities are carried out by several persons**, the need for a permanent faultless communication between them in order to avoid dangerous events shall require the appointing of one person in order to carry out overall supervision.

1.5.3 HAZARDS

Prior to starting work, the dispenser must be isolated (i.e. entirely disconnected from the mains supply) and the mains supply switch locked in the OFF position. The submerged pump (if applicable) and control signals from the dispenser must also be isolated. This is done to provide safety for the technician. As a further precaution, switch off the mains supply in the service station shop and place a clear notice on the switch to avoid it being turned on again inadvertently.



WARNING : THE CONNECTION AND DISCONNECTION OF ELECTRICAL CONNECTIONS MAY ONLY BE CARRIED OUT BY QUALIFIED PERSONNEL AUTHORISED FOR SUCH ACTIVITIES. WORK IN DANGEROUS AREAS MUST BE MADE SAFE BY OBSERVING ALL THE NATIONAL SAFETY REQUIREMENTS IN FORCE.

It is not permitted to put a fuel dispenser into operation before an authorised official has inspected it and released it. This depends upon the national regulations in force.

Components filled with fuel must be drained in such a way to conform to local and national environmental regulations.

Dismantled packaging and cladding must be stored in such a way as to avoid damage to components or injuries to persons. Covers that can be opened, such as the calculator housing, should be handled with care. Ensure that the retaining catch is placed in the correct position to prevent the cover falling onto the head of the service engineer or other persons in the area.

At unattended service stations, every end-user should be able to read the User Instructions. They should be visible on a notice board or integrated into the DIT and should be sufficiently well lit so that they can be read at night.

At unattended service stations break away couplings must always be used to reduce the danger caused by a motorist driving off with the nozzle still in the tank.

IMPORTANT : A HIGHLY VISIBLE CORDON MUST BE PLACED AROUND THE DISPENSER THAT IS BEING SERVICED.

1.5.4 WARNING SIGNS

The following warning signs are fitted as standard, on the dispenser, however they may vary according to individual country requirements or customer specifications.

SIGN	MEANING	POSITION
	Do not use mobile phones	Visible from both sides of dispenser
	No naked flames	Visible from both sides of dispenser
	Do not spill fuel on the ground	Visible from both sides of dispenser
	Smoking forbidden	Visible from both sides of dispenser
	Stop vehicle engine	Visible from both sides of dispenser
	Trucks only	At Diesel high speed dispensers near the nozzle boots
	Do not drive away with nozzle in tank	Visible from both sides of dispenser
For more information see User Manual available at this station		Next to User Instructions near the nozzle boot

1.5.5 PERSONAL PROTECTIVE EQUIPMENT (PPE)**PROTECTIVE CLOTHING**

The following clothing should be worn **at all times** during installation and maintenance procedures:-

- Protective helmet.
- Protective shoes (conductive).
- Protective gloves and/or protective hand cream.
- Anti static clothing.
- Eye protection.

SAFETY EQUIPMENT FOR WORKING IN HAZARDOUS AREAS

The following safety equipment is required for working in hazardous areas:-

- Only spark free tools are permitted for work on dispensers.
- Work on bearings is only permitted using the standard workshop tools authorised for this kind of work.
- The use of all electrical tools is strictly prohibited.
- Only the use of explosion protected work lights is permitted.
- The use of telecommunications equipment in hazardous areas is strictly prohibited.

SAFETY INSTRUCTIONS

The following safety instructions must be adhered to during installation and maintenance procedures:-

- Inhalation of petrol vapour must be avoided. Suitable precautions must be taken and where necessary respirators used.
- Avoid direct contact of fuel with the skin.
- Use suitable protective clothing, protective gloves and/or protective hand cream.
- Avoid fuel spills.
- No smoking, no naked flames are permitted.
- Long hair and ties can get caught in moving parts. Hair must be suitably covered.

1.6 Standards & Certificates

This dispenser is constructed in conformity with the requirements of all the applicable European Directives (Machinery 2006/42/EC; EMC 89/336/EEC; ATEX 94/9/EC).

The components used within the dispenser, including connection facilities, are selected in accordance with the European Standard EN BS 60079-0 (Electrical Apparatus for explosive gas atmospheres), and the supplementary Standards listed therein.

Diesel dispensers do not create an explosive hazard, but due to the probability of these being in close proximity to gasoline dispensers, the same construction rules are applicable.

The dispenser is certified by SIRA as suitable for use in Potentially Explosive Atmospheres Directive 94/9/EC, and marked to be in accordance with the European Dispenser Construction Standard EN 13617-1.

This dispenser is also certified to OIML International Recommendations R117 and R118. Certificate Numbers R117/1995-NL-01.04 & 08.

Dispensers fitted with a Stage II Vapour Recovery system, are in conformity with the requirements of European Directive 2009/126/EC.

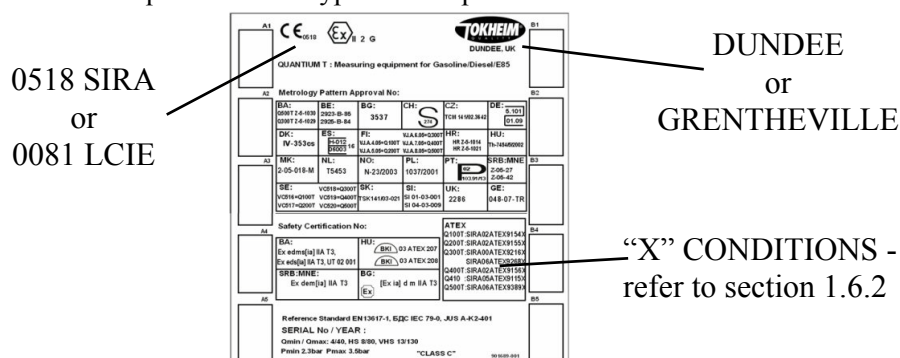
The production and end test is controlled through the Quality Assurance systems within the Tokheim Manufacturing Centres, and has received Quality Assurance Notification from a Notified Body.

No modification to the dispenser may be performed without express permission from Tokheim and must always use original components or Tokheim retrofit kits. Failure to comply with the above will invalidate product conformance with the relevant European Directives and Tokheim will no longer accept product liability.

1.6.1 DISPENSER MARKING FOR THE ATEX DIRECTIVE

The dispenser is labelled by Tokheim in accordance with the requirements of the ATEX Directive. This labelling includes:-

- The CE mark (CE conformity)
- The specific explosion protection mark, together with the mark indicating the equipment group and category; and, relating to equipment group II, the letter "G" (concerning explosive atmospheres caused by gases and vapours)
- The "Tokheim" name or logo and manufacturing location
- The dispenser type and serial number including the year of production
- Labels can either be plastic stickers or metal plates and may vary according to national requirements. A typical example of a label follows:-



1.6.2 SPECIAL CONDITIONS FOR SAFE USE

Certain models include Special Conditions for Safe Use which must be observed prior to putting the dispensers into operation. Failure to do so will invalidate the ATEX certification of the dispenser. These models can be identified by an X at the end of the certificate number as shown on the dispenser typeplate.

The Special Conditions for Safe Use are identified in the ATEX EC Type-Examination Certificates and are repeated below:-

- Where a dispenser is supplied without hoses and/or nozzles, they shall be fitted in accordance with:
- Hoses: EN1360 or EN13483
- Nozzles: EN13012
- When used for ethanol (blend) dispensing, the fuel specification must be less than or equal to 85% ethanol, with minimum water content.
- The metering pumps and dispensers are designed for use in open air. Where a metering pump or dispenser is positioned within a building, incorporated into an enclosure, or integrated into a larger piece of equipment, additional measures shall be taken to ensure that the zoning diagrams illustrated in the schedule drawings are not compromised.

1.7 MID Dispensers

From mid 2007, Tokheim dispensers may be shipped from European factories in accordance with the Metrological Instruments Directive (MID). Such dispensers are calibrated and the relevant seals stamped in the factory so that the dispensers are fit for trade immediately upon installation without the need for a local Weights and Measures inspector to put them into use.

The dispenser is shipped with its own “MID datasheet” which documents the serial numbers of the prime components fitted in the dispenser. This datasheet must remain with the dispenser. Similarly dispensers are shipped with a Declaration of Conformance to the MID. This document must not be lost as it is an essential document to allow the continued use of the dispenser.

MID dispensers can be identified by the typeplate which contains a reference to the MID certificate number as shown:-

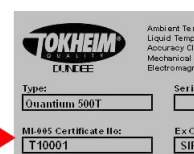
CHECKING THE SEALS

It is the responsibility of the Installer to check that all required seals are present and correct prior to putting the dispenser into use. This includes seals on the pumping unit, meter, pulser and calculator. **Under no circumstances must any seals be disturbed or broken during installation.**

METER CALIBRATION

A calibration check should be performed during Commissioning (refer to section 6).

If a seal is damaged or missing, or if the calibration is outwith legal tolerances or in the unlikely event that any repair is required to a pumping unit, meter, pulser or calculator during installation, the factory MID verification is invalidated and a local National verification will need to be performed before the dispenser can be used.



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Note: This Section contains LPG parts only.

For Q510 parts please refer to the Q510 Parts Manual, Section 2.

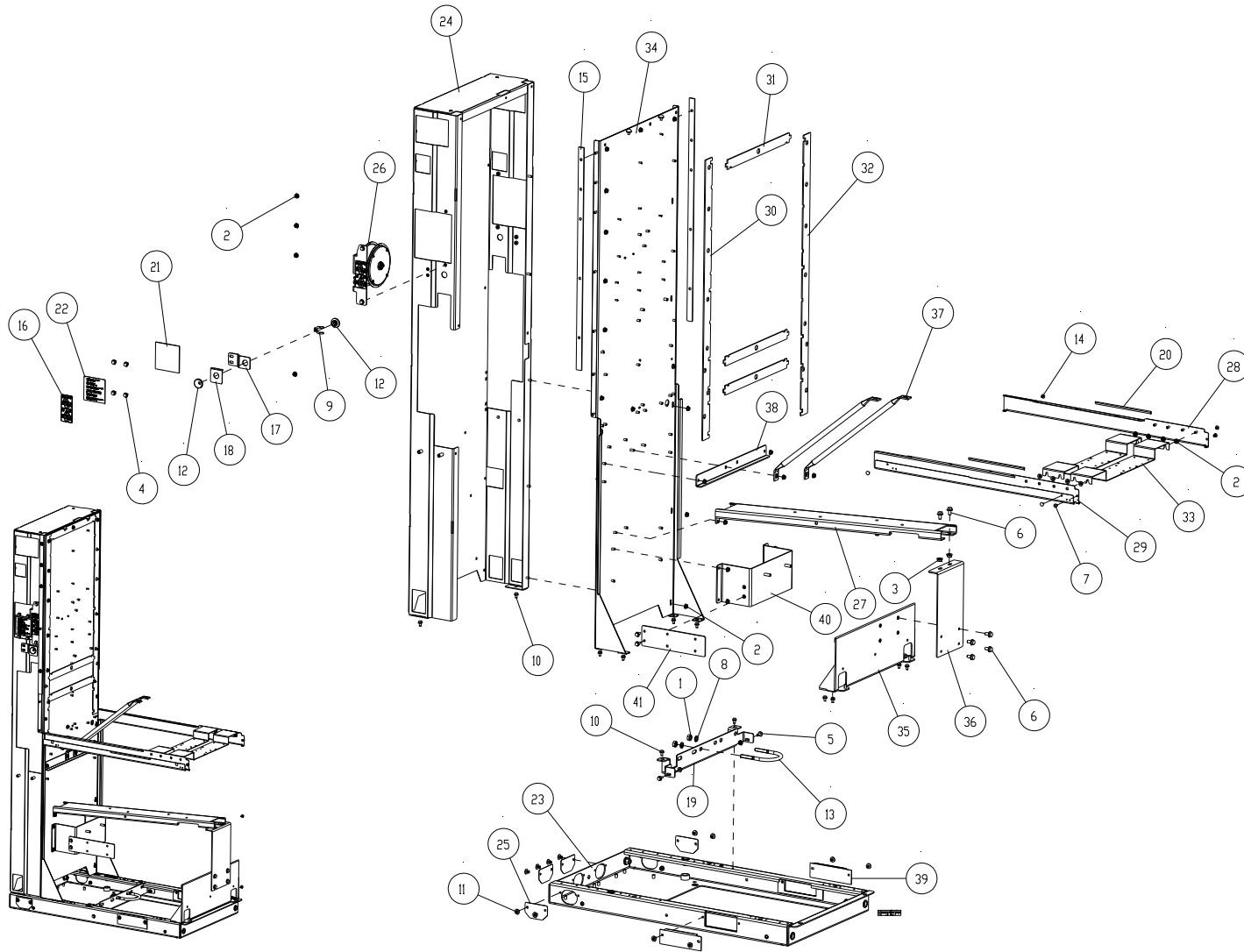
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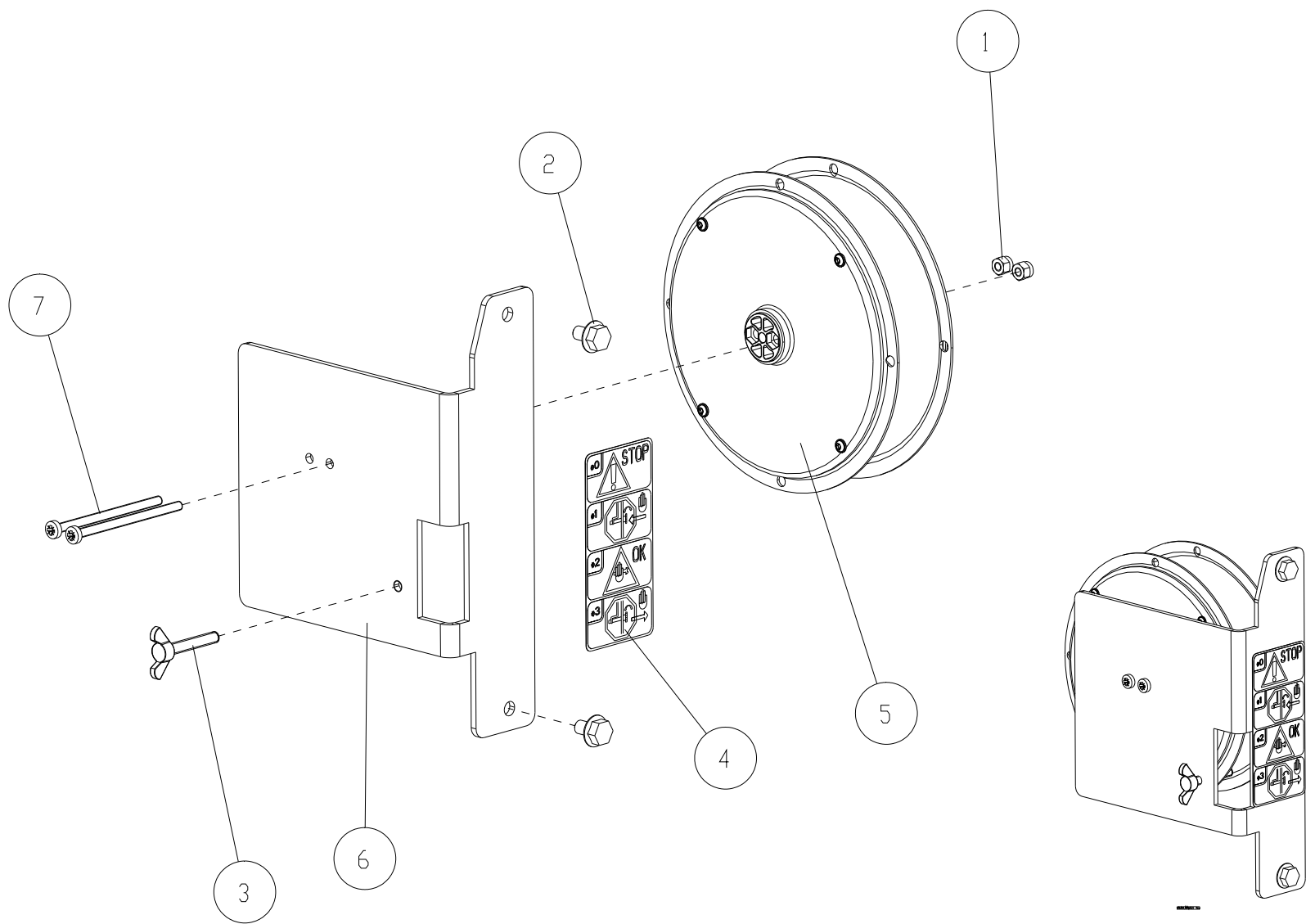
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex M10	Ecrou H M10	900011-004	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
4	Screw HFHSL M6x10	Vis Hex Br Autobl M6x10	900016-003	
5	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
6	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
7	Rivet Rokut	Rivet Expansion	900022-001	
8	Washer Spring Lock M10	Rondelle Elast. W 10	900051-004	
9	Clip H/SHOE	Fixation H/SHOE	900057	
10	Screw HFHTF M6x10	Vis Hex. Taraudeuse M6x10	900708-001	
11	Rivet Screw	Rivet Vis	901371-001	
12	Outlet for Cord	Guide Corde	901446	
13	U-Bolt 2"1/2	Collier 2"1/2	903160-003	
14	Cladding Plug 5.4 Dia	Prise de Revêtement 5.4 Dia	905187-001	
15	Gasket HMS Vapour Cover	Joint Couvercle pour HMS	906696	
16	Refer to maint. manual stick	Refer to maint. manual stick	903050-065	
17	Bracket Outlet Cord	Support Guide Corde	909117	
18	Cover Retractor Outlet	Habillage Enrouleur	909118	
19	Bracket, LPG Shear Valve Bracket shear valves SC Bracket. LPG shear valve	Support GPL Raccord Cassant Support raccords cassant CC Support GPL raccord cassant	909270 954477 909270	Without Chair
20	Gasket HMS Bottom Panel L=210	Joint Panneau Bas HMS Lg 210	940817-002	
21	Sealing of the HMS LPG	Joint plat du HMS GPL	940919	
22	Warning Sticker	Etiquette Adhesive - Attention	941241	
23	Drip tray LPG Assy	Drip tray LPG Assy	954686	
24	HMS Frame LPG Assy Drip tray LPG short combo assy Column short combo assy	HMS Cadre GPL Asm Embase combo court GPL asm Colonne combo court asm	945948 954337 954358	
25	Cover Bracket Alu Drip tray Cover LPG	Couvercle Alu Drip tray Cover LPG	957621 954992	

2.1 Q510 LPG Frame Assembly (Standard & Media Head) (Cont.)



Item No	Description	Désignation Français	Part No	Comments
26	LPG Spring Drum Assy	Enrouleur Asm GPL	-	Refer to LPG Springdrum Assembly
27	Bracket Meter Support LPG	Traverse Support Mesureur GPL	947186	
28	Rain Gutter LHS 2F Gutter LHS short combo assy	Gouttiere Gauche 2F Gouttière G combo court asm	947847 954343	
29	Rain Gutter RHS 2F Gutter RHS short combo assy	Gouttiere Droite 2F Gouttière D combo court asm	947849 954341	
30	Seal Long Right Calc Head	Joint Vertical Droit de Tete	956785	
31	Seal Short Calc Head	Joint Horizontal de Tete	956782	
32	Seal Long Left Calc Head	Joint Vertical Gauche de Tete	956784	
33	Bracket Junction Box	Support Boîte de Jonction	948870	
34	Fire Barrier Q510 LPG Asm Fire barrier short combo assy	Ecran feu Q510 GPL asm Barrière feu combo court asm	949349 954339	
35	Bracket End LPG Asm	Support exteemite GPL asm	949351	
36	Bracket Meter LPG	Support Mes GPL	949354	
37	Strengthner Head for Q510 LPG	Renfort de Tete pour Q510 GPL	949399	
38	Bracket Head	Renfort de Tete	949518	
39	Slot Cover Drip tray	Couvercle Ouverture Drip tray	949544	
40	Bkt Gas Sep Side Column	Sup. Degazeur cote Colonne	949558	
41	Bracket Junction Box	Support Boitier	949559	

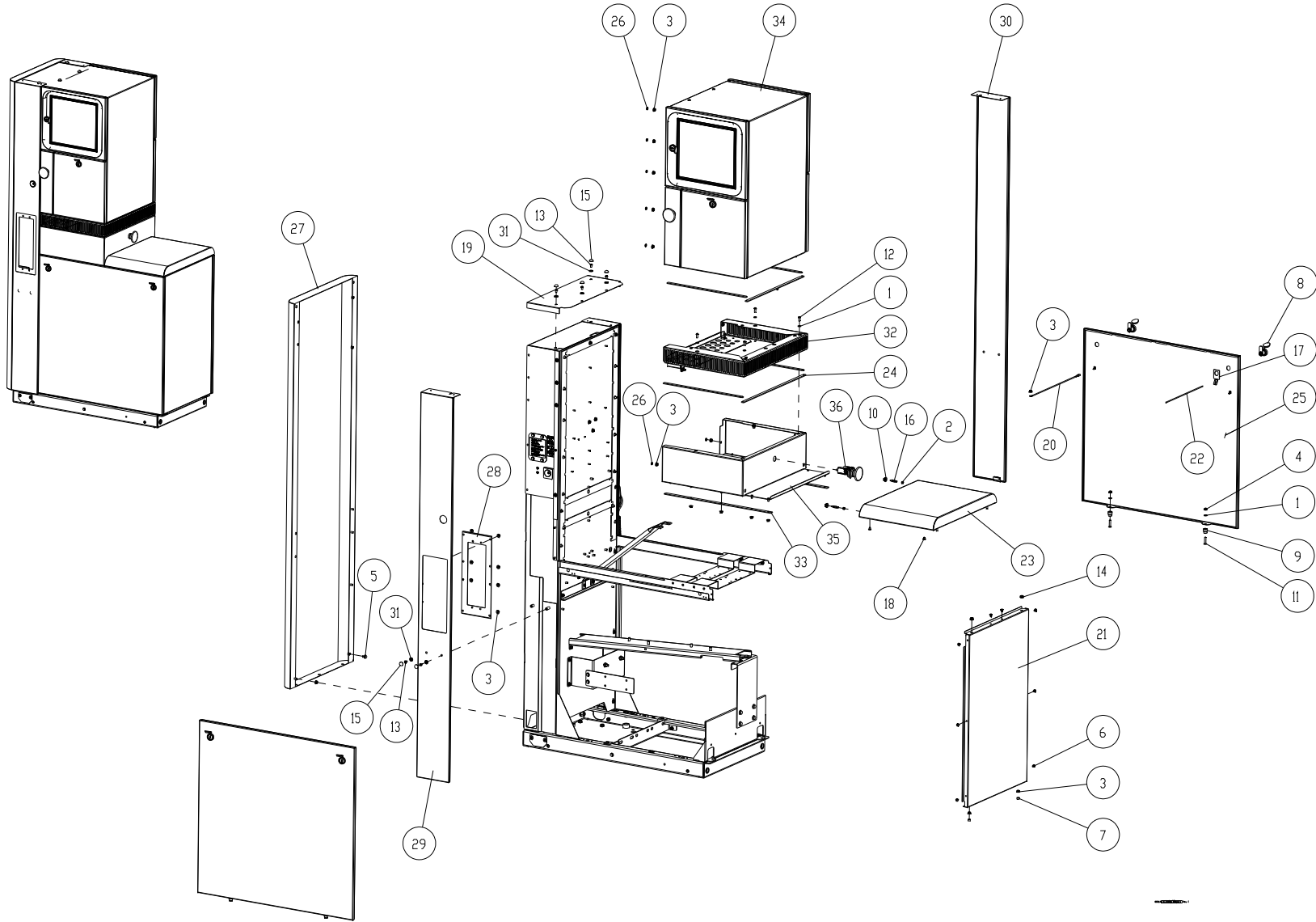
2.1.1 LPG SPRINGDRUM ASSEMBLY



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M4	Ecrou Frein M4	900012-011	
2	Screw HFHSL M6x10	Vis Hex Br Autobl M6x10	900016-003	
3	Wing Screw	Vis D Aile	904300	
4	Refer to maint. manual stick	Refer to maint. manual stick	903050-065	
5	Plastic Core Spring Drum	Axe Plastique D'Enrouleur	944752	
6	Springdrum Bracket LPG	Support D'Enrouleur GPL	946466	
7	Pozidrive Pan Screw M4x65	Vis a Empreinte Pozidrive M4x65	946551-001	



2.2 Q510 LPG Standard Cladding Assembly



Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M6	Rondelle PI M6	900008-002	
2	Nut Hex Prev Torque M5	Ecrou Frein M5	900012-002	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-007	
5	Screw HFHSL M6x10	Vis Hex Br Autobl M6x10	900016-003	
6	Rivet Rokut	Rivet Expansion	900022-001	
7	Spacer 6.2x10x6	Entretoise Cyl 6.2x10x6	900024-029	
8	Lock Assembly	Serrure Asm	-	Refer to Lock Assemblies
9	Adjustment Pin	Broche de Reglage	900403	
10	Bearing Vertical Roller	Palier de Rouleau Vertical	900505	
11	Screw HSC M6x30	Vis FHC M6x30	900643-014	
12	Screw HSB M6x16	Vis M6x16	900795-002	
13	Screw HSB M6x10	Vis M6x10	900795-005	
14	Skiffy Bushing	Passe-fils Skiffy	901937-003	
15	Snap Cap White M6	Chapeau Vis Blanc M6	903192-001	
16	Adjustment Pin	Réglage Broche	903268	
17	Latch - Cord (lock) with earth	Latch - Cord (lock) with earth	952863	
18	Cladding Plug 5.4 dia	Prise de Revêtement 5.4 Dia	905187-001	
19	HMS Roof Panel 1C Alu	Panneau 1C de toit de HMS Alu	951043	
20	Earth Cable for Hyd Door L=400	Câble Masse Porte Hyd L=400	905930-002	
21	Hydraulic End Panel Alu	Panneau Fin Hydraulique Alu	951180	Aluminium
	Hydraulic End Panel SSt	Panel Fin Hydraulique Inox	906207	Stainless Steel
	Hydraulic End Panel ACP	Panel Fin Hydraulique ACP	907050	Additional Corrosion Protection
22	Q400T Hyd Door Cord	Corde Hydraulique de Port	906286-002	
23	Topplate 2F Assembly Wafer SSt	Plaque Sup 2 Ch Assembly Wafer Inox	906342	Stainless Steel
	Topplate 2F Assembly Wafer	Plaque Sup 2 Ch Assembly Wafer	906304	Standard
	Topplate 2F Assembly Wafer ACP	Plaque Sup 2 Ch Assembly Wafer ACP	907040	Additional Corrosion Protection
	Top cover waffer SST SC assy	Dessus hydro SST gaufr CC asm	954368	
24	Seal Assembly VB Cladding	Revetement De Assy De Joint VB	907742	

(Cont.)



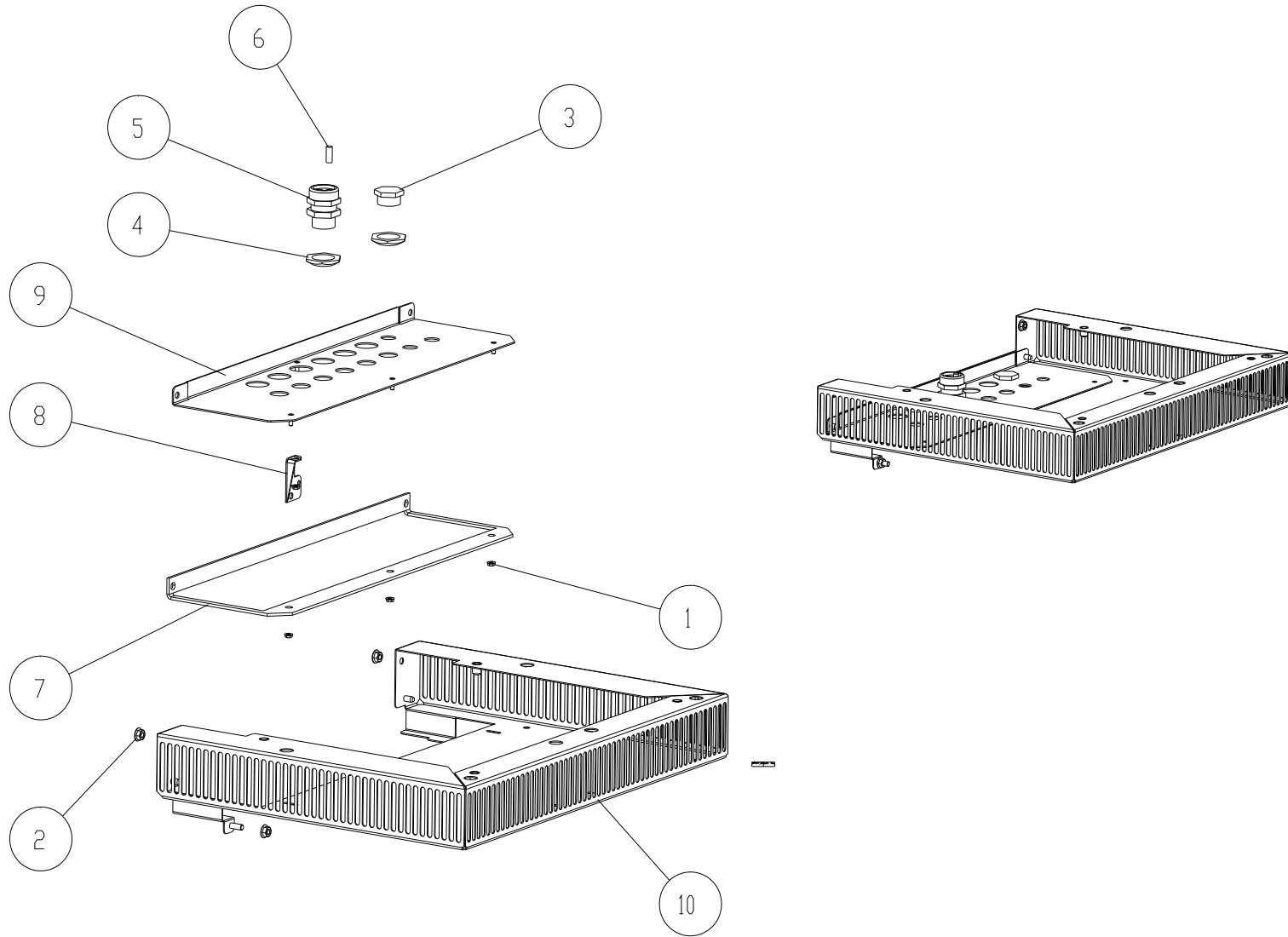
This exploded view diagram illustrates the assembly of a two-door refrigerator. The components are numbered as follows:

- 1:** Refrigerator body/cabinet
- 2:** Bottom panel
- 3:** Door panel
- 4:** Door handle
- 5:** Door hinge
- 6:** Door seal
- 7:** Door trim
- 8:** Door lock
- 9:** Door latch
- 10:** Door hinge pin
- 11:** Door hinge bracket
- 12:** Top panel
- 13:** Shelf
- 14:** Shelf support
- 15:** Shelf pin
- 16:** Shelf bracket
- 17:** Shelf latch
- 18:** Bottom panel
- 19:** Shelf support
- 20:** Shelf support
- 21:** Shelf support
- 22:** Shelf support
- 23:** Shelf support
- 24:** Shelf support
- 25:** Shelf support
- 26:** Shelf support
- 27:** Shelf support
- 28:** Shelf support
- 29:** Shelf support
- 30:** Shelf support
- 31:** Shelf support
- 32:** Shelf support
- 33:** Shelf support
- 34:** Shelf support
- 35:** Shelf support
- 36:** Shelf support

Item No	Description	Désignation Français	Part No	Comments
25	Hydraulic Door 2F Alu	Porte Hydraulique 2F Alu	951064	Aluminium
	Hydraulic Door 2F Assembly SSt	Porte Hydraulique 2F Assy Inox	907351	Stainless Steel
	Hydraulic Door 2F Assembly ACP	Porte Hydraulique 2F Assy ACP	907355	Additional Corrosion Protection
	Hydraulic door alu short combo	Porte hydrau alu combo court	954354	
26	Anti Loss Washer M6 x1.5	Anti Rondelle De Perte M6x1.5	942663-001	
27	End Column MSAT Assy ALU	End Column MSAT Assy ALU	953833	Aluminium
	NNB End Column Assy SSt	Colonne de Fin Asm NNB Inox	943778	Stainless Steel
	NNB End Column Assy ACP	Colonne de Fin Asm NNB ACP	943779	Additional Corrosion Protection
28	Elaflex nozzle boot bracket	Support porte pistol Elaflex	952505	LG30
	Bracket Hose Butagaz	Renfort Pistolet Butagaz	944459	Butagaz
	Bracket Hose Elaflex	Renfort Pistolet Elaflex	944460	Elaflex
	Bracket nozzle boot LPG Group	Support repose buse LPG Group	952291	Nettuno
	Bracket Nozzle Boot LPG Blank Assy	Bracket Nozzle Boot LPG Blank Assy	956180	Blank
	Bracket Hose Universal	Renfort Pistolet Universal	946336	Universal
	Bracket Hose GPV14	Renfort Pistolet GPV14	947119	GPV14
29	Nozzle Pan LPG SST	Pann. Hab. GPL Inox	952743	Stainless Steel
	Nozzle Pan LPG Alu	Pann. Hab. GPL Alu	952745	Additional Corrosion Protection
	Nozzle Pan LPG Alu	Pann. Hab. GPL Alu	952745	Aluminium
	Column panel LHS alu SB assy	Panneau colonne alu G CC asm	954350	
30	Nozzle Pan LPG Blank Sst	Pann Hab GPL Aveugle Inox	945477	Stainless Steel
	Column panel RHS alu SB assy	Panneau colonne alu D CC asm	954348	Additional Corrosion Protection
	Nozzle Pan LPG Blank ALU	Pann Hab GPL Aveugle ALU	951317	Aluminium
31	Washer for Cap M6	Rondelle pour Capuchon M6	947003-001	
32	Air Gap Assembly	Air Gap Assemble	-	Refer to Airgap Assembly
33	Seal Gutter	Joint de Gouttiere	947895	
34	Calculator Head Assembly	Calculateur Tete Assemble	-	Refer to Calculator Head Assembly
35	Vb cladding panel LPG assy Alu	Barriere vapeur GPL asm Alu	951257	Aluminium
	VB Cladding LPG ES/DM SST Assy	VB Cladding LPG ES/DM SST Assy	958251	Stainless Steel
	LPG VB Cladding Assy ACP	Barriere Vapeur GPL SSt Asm ACP	949426	Additional Corrosion Protection
	LPG VB Cladding Assy ALU	Barriere Vapeur GPL SSt Asm ALU	951257	Aluminium
36	Emergency Stop Button Red	Bouton A-U Rouge	-	Refer to Emer. Stop Button Assy

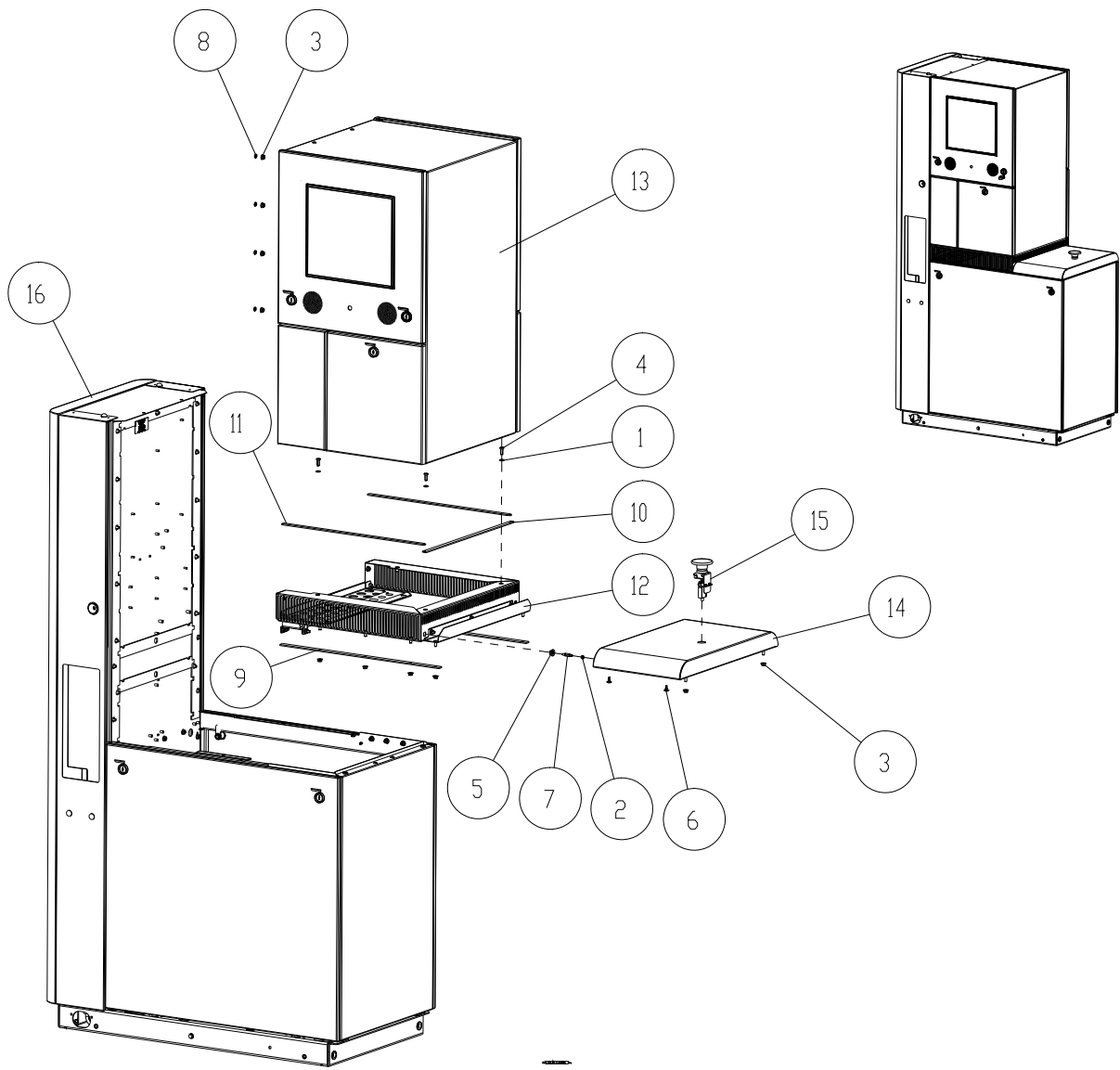


2.2.1 STANDARD AIRGAP ASSEMBLY



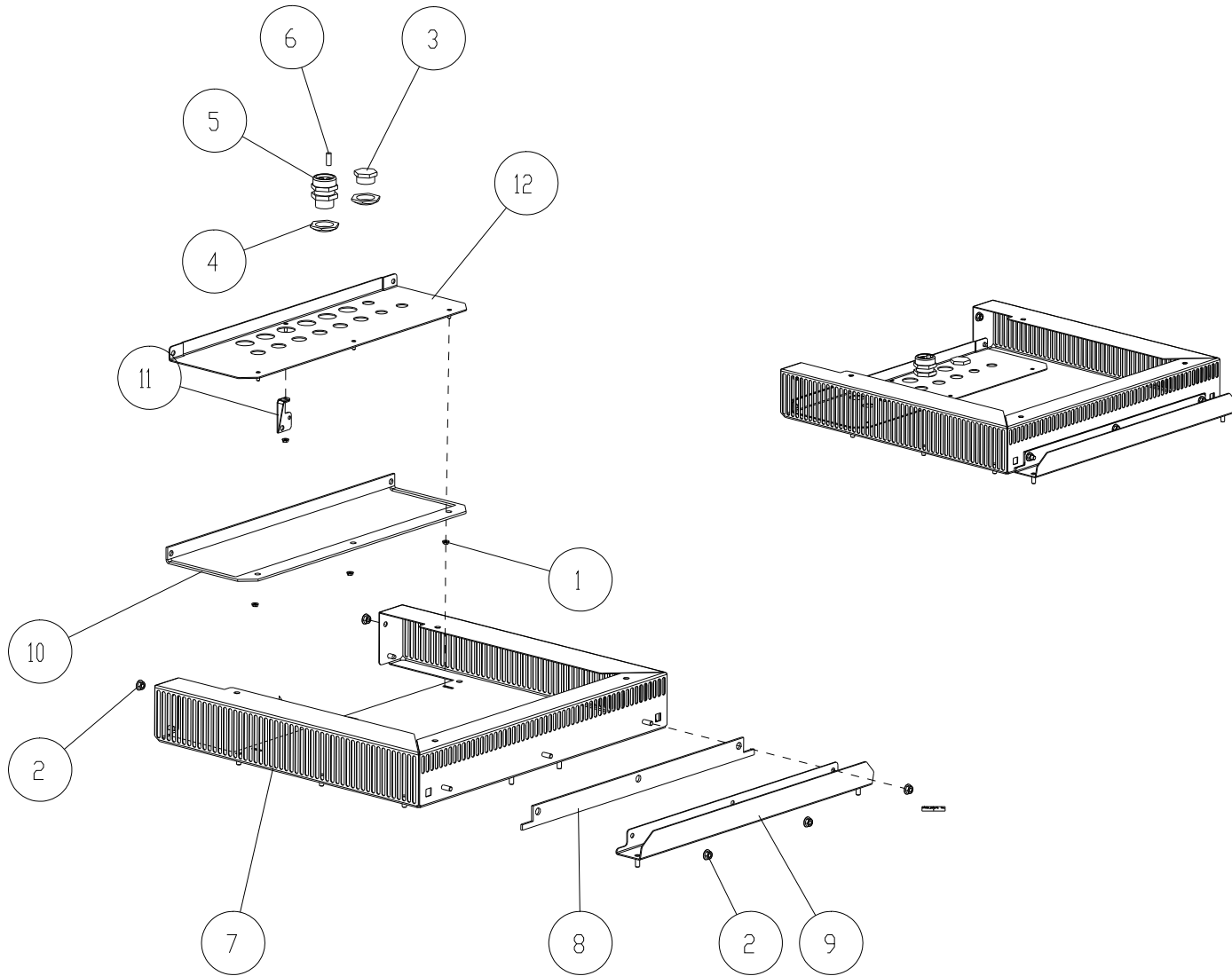
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4	900013-001	
2	Nut Hex Self Lock M6 SSTL	Ecrou autoquant Flange M6 SSTL	900013-007	
3	Plug M25 x 1,5 EEXE/IP66	Prise M25 x 1,5 EEXE/IP66	900044-002	
4	Nut Hex M25 x 1,5 (Bartec)	Ecrou Hex M25 x 1,5 (Bartec)	900088-002	
5	Gland M25 IP66 3x7mm	P.E. M25 IP66 3x7mm	901488-001	
6	GLAND PLUG D=6.5MM, L=17MM	GLANDE BOUCHON D=6.5MM, L=17MM	901975-001	
7	Seal under vapour barrier	Joint sous barrière de vapeur	949141	
8	Central bracket vapour barrier	Support milieu barrière vapeur	949143	
9	L-bracket Vap Barrier LPG assy	Barriere vapeur en L GPL asm	950061	
10	Air Gap Asm SS	AirGap Asm Inox	950296	Stainless Steel
	Air Gap Asm ACP	AirGap Asm ACP	950298	Additional Corrosion Protection

2.3 Q510 LPG Media Head Cladding Assembly



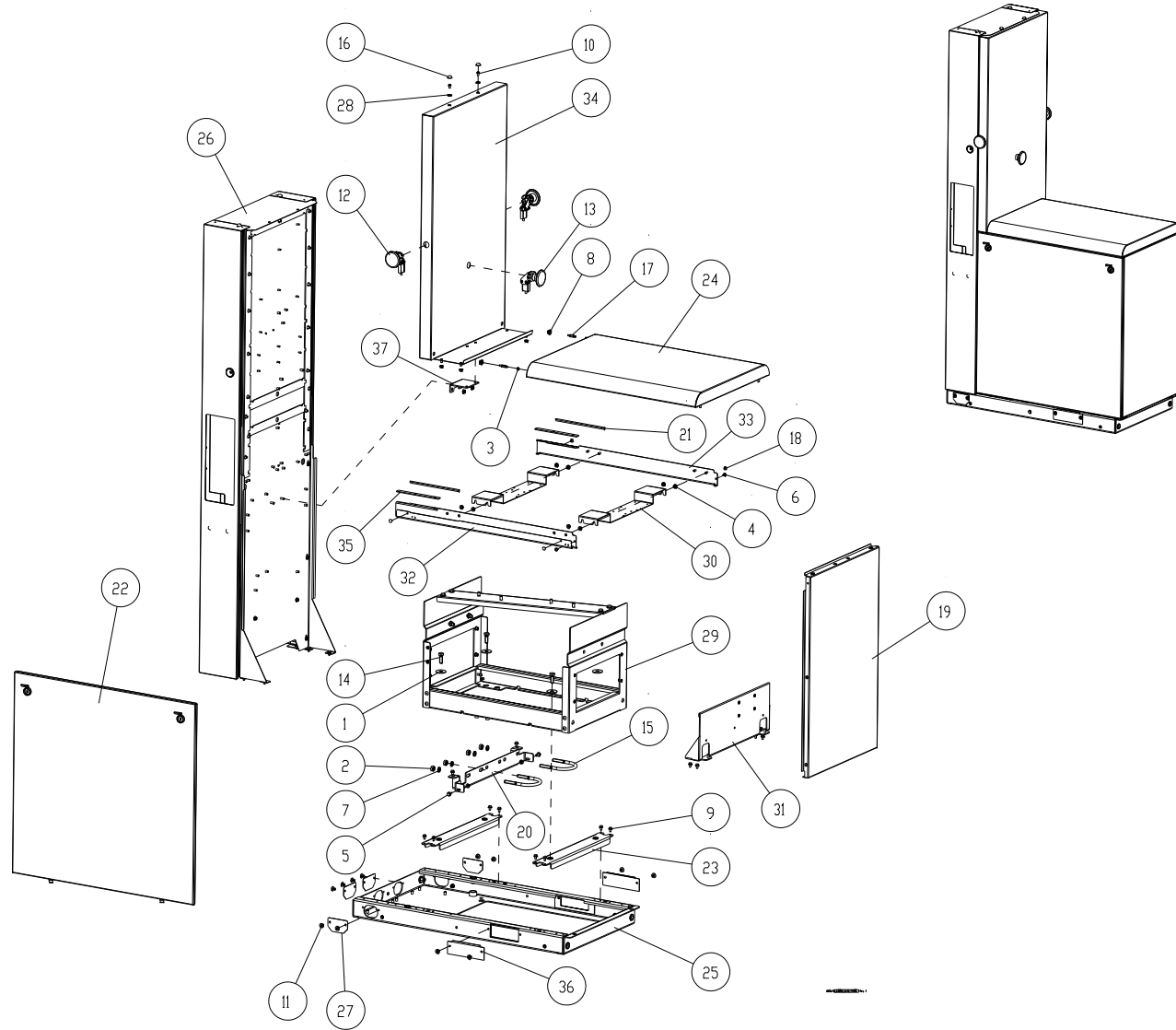
Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M6	Rondelle PI M6	900008-002	
2	Nut Hex Prev Torque M5	Ecrou Frein M5	900012-002	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Screw HH M6x16	Vis H M6x16	900015-002	
5	Bearing Vertical Roller	Palier de Rouleau Vertical	900505	
6	Drive Fastener D5/13.5 T3 NA	Att à Pression D5/13.5 E3 NA	901058-001	
7	Adjustment Pin	Réglage Broche	903268	
8	Anti Loss Washer M6 x1.5	Anti Rondelle De Perte M6 x 1.5	942663-001	
9	Gutter Seal	Joint de Gouttiere	947895	
10	Seal under Electronic Head	Joint sous la Tete Electronique	948034	
11	Seal Airgap - Calc. Box	Joint Airgap - Calc'box	948243	
12	Media Head Airgap Assembly	Airgap Media Head Asm	-	Refer to Media Head Airgap Asm
13	Q510E Calculator Head	Q510E Calc. Box MH Equipée	-	Refer to Media Calculator Head Asm
14	Hyd top cover 2F MH LPG Alu	Capot hyd 2F MH GPL Alu	951374	Stainless Steel Additional Corrosion Protection Aluminium
	Hydraulic Top Cover 2F MH LPG SSt	Capot Hydraulique 2F MH GPL Inox	951007	
	Hydraulic Top Cover 2F MH LPG ACP	Capot Hydraulique 2F MH GPL ACP	951008	
	Hydraulic Top Cover 2F MH LPG ALU	Capot Hydraulique 2F MH GPL ALU	951373	
	Top cover alu short combo assy	Dessus hydro alu combo cou asm	954345	
15	Button A-U Red	Bouton A-U Rouge	-	Refer to Emergency Stop Button Asm
16	Q510 LPG HMS & Hydraulic Cladding	Q510 GPL HMS & Hyd. Assemble	-	Refer to Standard Cladding Assembly

2.3.1 MEDIA HEAD AIRGAP ASSEMBLY



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Plug M25 x 1.5 EEXE/IP66	Bouchon PG M25 x 1.5 EEXE/IP66	900044-002	
	Plug M20 x 1.5 EEXE/IP66	Bouchon PG M20 x 1.5 EEXE/IP66	900044-001	
	Plug M16 x 1.5 EEXE/IP66	Bouchon PG M16 x 1.5 EEXE/IP66	900044-004	
4	Nut Hex M25 x 1.5 (Bartec)	Ecrou Hex M25 x 1.5 (Bartec)	900088-002	
	Nut Hex M20 x 1.5 (Bartec)	Ecrou Hex M20 x 1.5 (Bartec)	900088-001	
	Nut Hex M16 x 1.5 (Bartec)	Ecrou Hex M16 x 1.5 (Bartec)	900088-005	
5	Gland M25 x 1.5 IP66 3x 7mm	P.E. M25 x 1.5 IP66 3x 7mm	901488-001	
	Gland M20 Eexe/IP66 1x5-9mm	P.E. M20 Eexe/IP66 1x5-9mm	901478-001	
	Gland M16 Eexe/IP66 1x5-8mm	P.E. M16X1.5 Eexe/IP66 1x5-8mm	900362-001	
6	Blind Plug 6.5x17	Bouchon PE 6.5x17	901975-001	
7	Air Gap MediaHead SSt	Air Gap MediaHead Inox	948158	Stainless Steel
	Air Gap MediaHead ACP	Air Gap MediaHead ACP	948811	Additional Corrosion Protection
8	Seal Airgap - Topplate	Joint Airgap - Panneau Support	948159	
9	Airgap Rain Gutter	Gouttière Airgap	948161	
10	Foam Bracket RHS Assy	Support Mousse Droit Asm	948239	
11	Foam Bracket LHS Assy	Support Mousse Gauche Asm	948241	
12	Bracket Vapour Barrier LHS	Support Barrière Vapeur Gauche	949139	

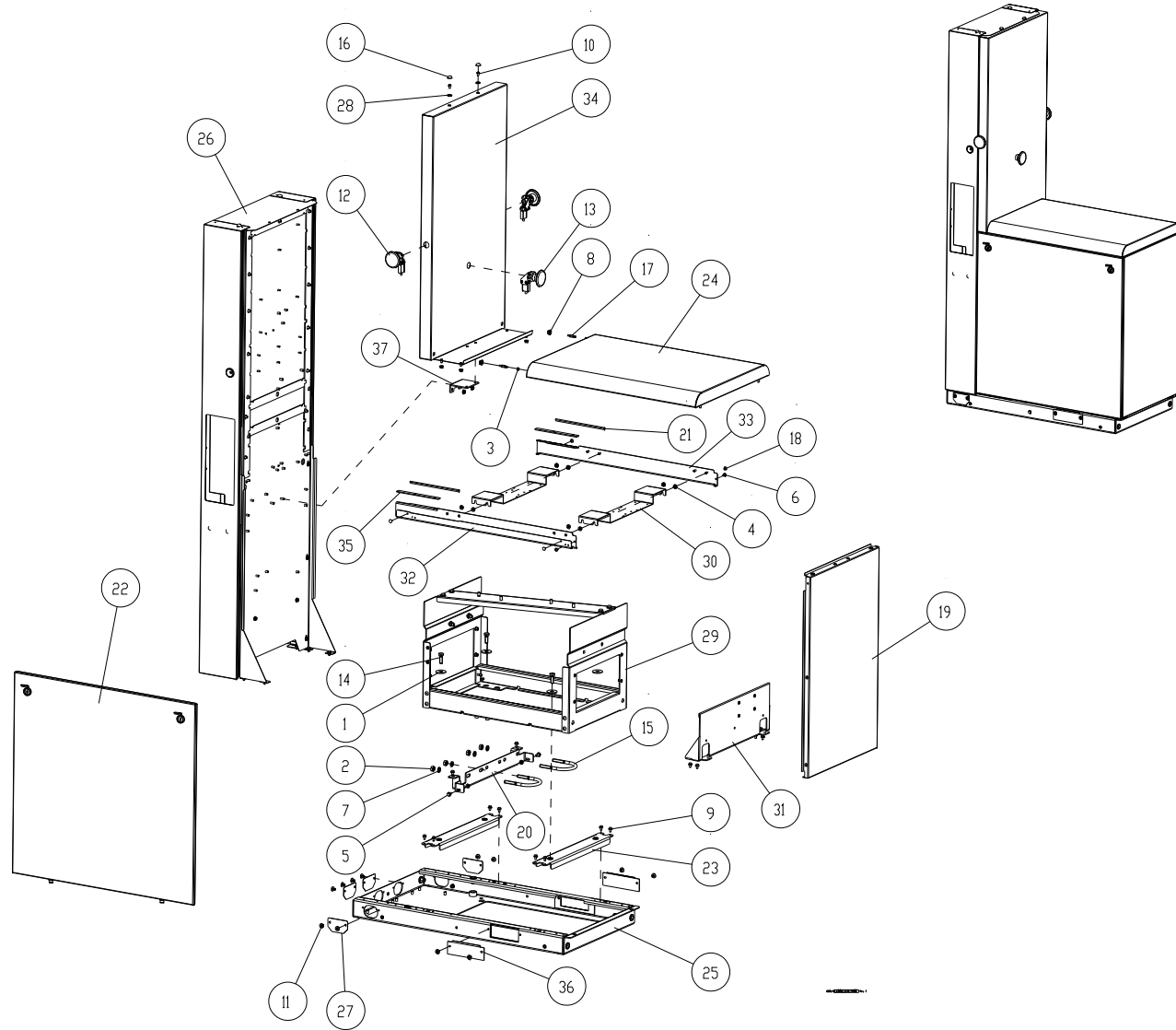
2.4 Q510 LPG Combo Cladding & Frame Assembly



Item No	Description	Désignation Français	Part No	Comments
1	Washer 13x37x3	Rondelle 13x37x3	900008-024	
2	Nut Hex M10	Ecrou H M10	900011-004	
3	Nut Hex Prev Torque M5	Ecrou Frein M5	900012-002	
4	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
5	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
6	Rivet Rokut	Rivet Expansion	900022-001	
7	Washer Spring Lock M10	Rondelle Elast. W 10	900051-004	
8	Bearing Vertical Roller	Palier de Rouleau Vertical	900505	
9	Screw HFHTF M6x10	Vis Hex. Taraudeuse M6x10	900708-001	
10	Screw HSB M6x10	Vis M6x10	900795-005	
11	Rivet Screw	Rivet Vis	901371-001	
12	Button Assy - Dead Man	Bouton H-M Asm	-	Refer to Dead Man Button Assembly
13	Button Assy - Emergency Stop	Bouton A-U Asm	-	Refer to Emerg. Stop Button Assy
14	Screw - Safety Shear	Vis de Securite	902906	
15	U-Bolt 2"1/2	Collier 2"1/2	903160-003	
16	Snap Cap White M6	Chapeau Vis Blanc M6	903192-001	
17	Adjustment Pin	Réglage Broche	903268	
18	Cladding Plug 5.4 dia	Prise de Revêtement 5.4 dia	905187-001	
19	Hydraulic End Panel	Panel Fin Hydraulic	-	Refer to Standard Cladding Asm
20	Bracket, LPG Shear Valve Breaket schear valve LPG	Support GPL Raccord Cassant Support raccord cassant GPL	909270 945208	
21	Gasket HMS Bottom Panel Length 210	Joint Panneau Bas HMS Lg 210	940817-002	
22	Hydraulic Door 2F	Porte Hydraulique 2F	-	Refer to Standard Cladding Asm
23	Mini Chassis - Bracket Assy	Support Mini Chassis Asm	942973	
24	Top Hydraulic Cover Sst Top Hydr. Cover painted Alu Top Hydraulic Cover ACP Top Hydraulic Cover ALU	Dessus Hydr. inox avec Goujons Dessus hydr. peint avec goujon Dessus Hydr. ACP avec Goujons Dessus Hydr. ALU avec Goujons	942979 951255 944719 951255	Stainless Steel Painted Additional Corrosion Protection Aluminium

(Cont.)

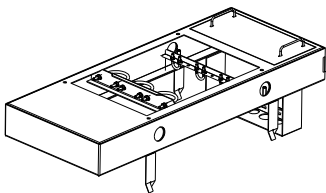
2.4 Q510 LPG Combo Cladding & Frame Assembly (Cont.)



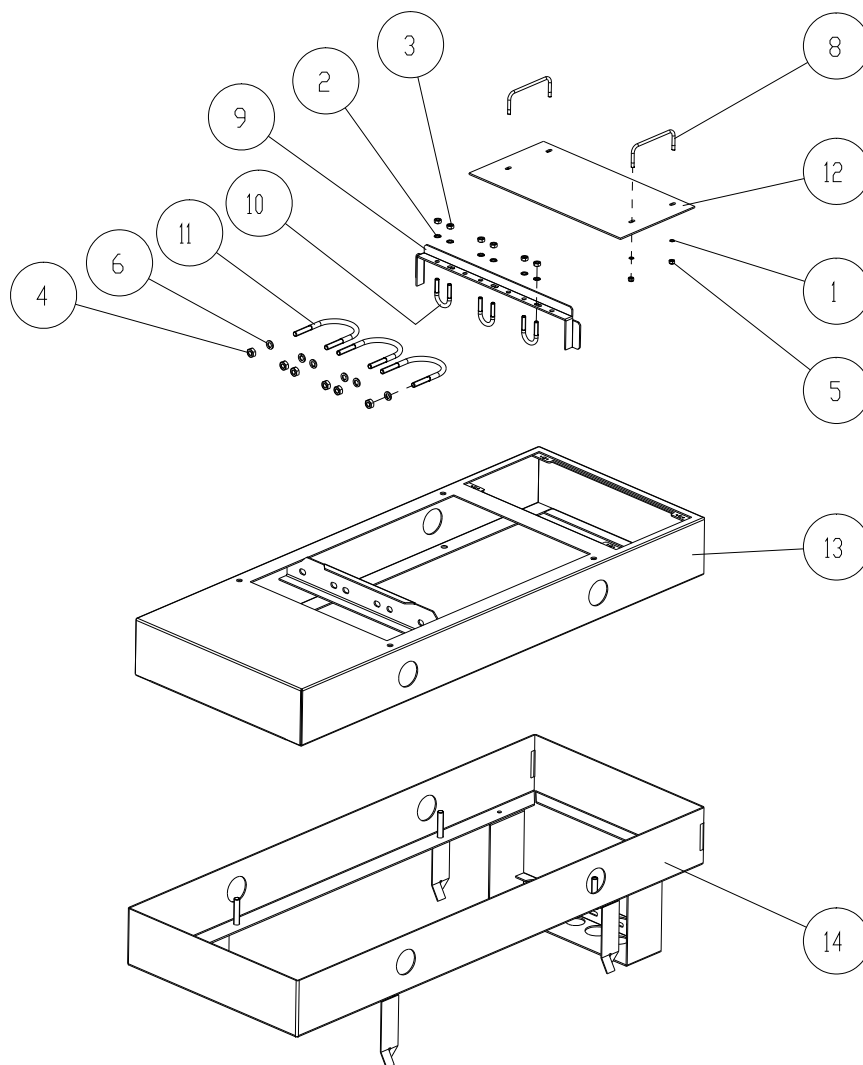
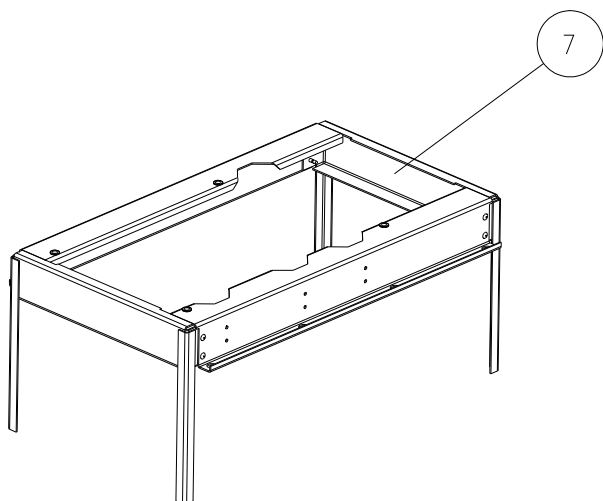
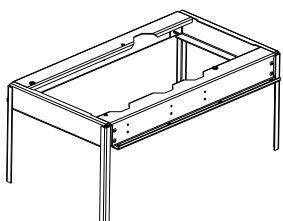
Item No	Description	Désignation Français	Part No	Comments
25	Drip tray LPG Assy	Drip tray LPG Assy	954686	
	Drip tray LPG short combo assy	Embase combo court GPL asm	954337	
26	HMS Frame LPG Assy	HMS Cadre GPL Asm	-	Refer to Standard Frame Assembly
27	Cover bracket Alu	Couvercle Alu	957621	
28	Washer for Cap M6	Rondelle pour Capuchon M6	947003-001	
29	Mini Chassis Combo	Mini Chassis Combo	947108	
30	Bracket Junction Box	Support Boîte de Jonction	948870	
31	Bracket End LPG assy	Support Exteemite GPL asm	949351	
32	Rain Gutter Right LPG	Gouttiere Droite GPL	949407	
33	Rain Gutter Left LPG	Gouttiere Gauche LPG asm	949408	
34	Column Cladding ACP 2xButton	Hab. de Colonne ACP 2xButton	949469	Additional Corrosion Protection
	Column Cladding SSt Right Button	Hab. de Colonne Inox Gauche Bouton	949470	Stainless Steel
	Column Cladding Right Button	Hab. de Colonne Gauche Bouton	949471	Standard
	Column Cladding ACP Right Button	Hab. de Colonne ACP Gauche Bouton	949472	Additional Corrosion Protection
	Column Cladding Sst Left Button	Hab. de Colonne Droite Bouton	949473	Stainless Steel
	Column Cladding Left Button	Hab. de Colonne Droite Bouton	949474	Standard
	Column Cladding ACP Left Button	Hab. de Colonne ACP Droite Bouton	949475	Additional Corrosion Protection
	Column Cladding Welded Alu	Habillage de Colonne Soudé Alu	951249	
35	Seal Rain Gutter Combo LPG	Joint Plat Gouttiere Combo GPL	949499	Aluminium
36	Slot Cover Drip tray	Couvercle Ouverture Drip tray	949544	
37	Bracket Column Cladding Combo	Support Hab. Colonne Combo	949994	

2.5 LPG Hydraulic Chair/Cradle Assembly

Cradle with LPG Chair Option



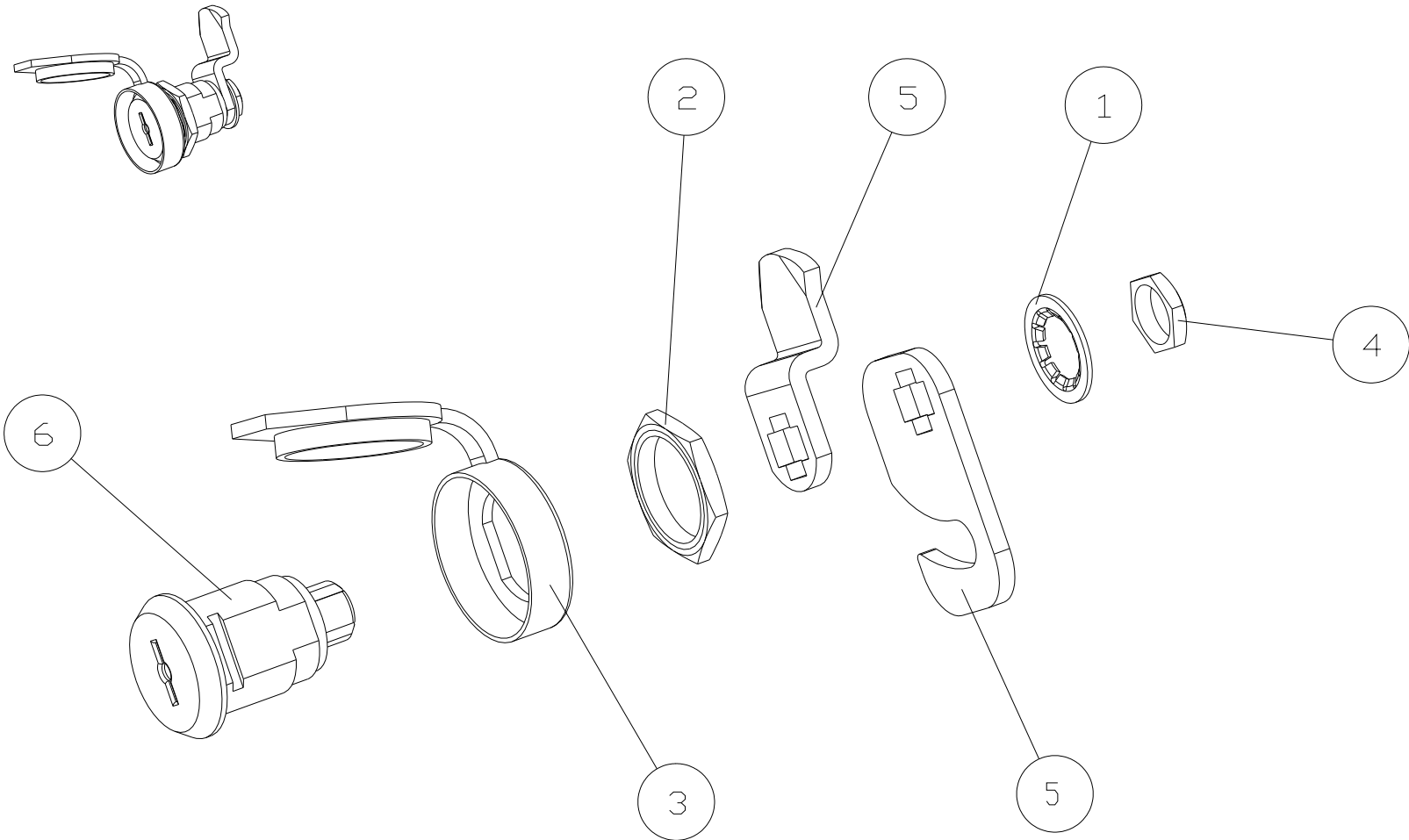
Cradle without LPG Chair Option



Item No	Description	Désignation Français	Part No	Comments
1	Washer PI 6 (Shim)	Rondelle PI 6 (Shim)	900008-012	
2	Washer Serr Lock Ext M8	Rondelle a Dents DEC M8	900009-002	
3	Nut Hex M8	Ecrou H M8	900011-003	
4	Nut Hex M10	Ecrou H M10	900011-004	
5	Nut Hex Prev Torque M6	Ecrou Frein M6	900012-008	
6	Washer Spring Lock M10	Rondelle Elast. W 10	900051-004	
7	Ground Frame (2F1C)	Cadre (2F1C)	901110	
	Craddle Q510 LPG wo chair assy	Cadre à sceller Q510 s chaise	954483	
8	Handle Chair QT LPG	Poignee De Trappe	901182	
9	Support - Connection Pipes	Traverse Maintien Tuyauteries	903159	
10	U-Bolt 3/4"	Collier 3/4"	903160-001	
11	U-Bolt 2"1/2	Collier 2"1/2	903160-003	
12	Hatch Access Chair	Trappe d'accès chaise soudée	906452	
13	Weld Assy Chair - Q300T LPG France	Chaise Q300T GPL France soudée	906456	
	LPG Chair Welded	Chaise Combo GPL Soudee	943078	Combo Model Only
14	LPG Craddle QT Assembly	Cadre GPL QT Assemble	947074	
	LPG Craddle QT Combo Assembly	Cadre GPL QT Combo Assemble	947269	Combo Model Only

2.6 Lock Assemblies

2.6.1 LOCK ASSEMBLY - MANUFACTURED BEFORE JULY 2011

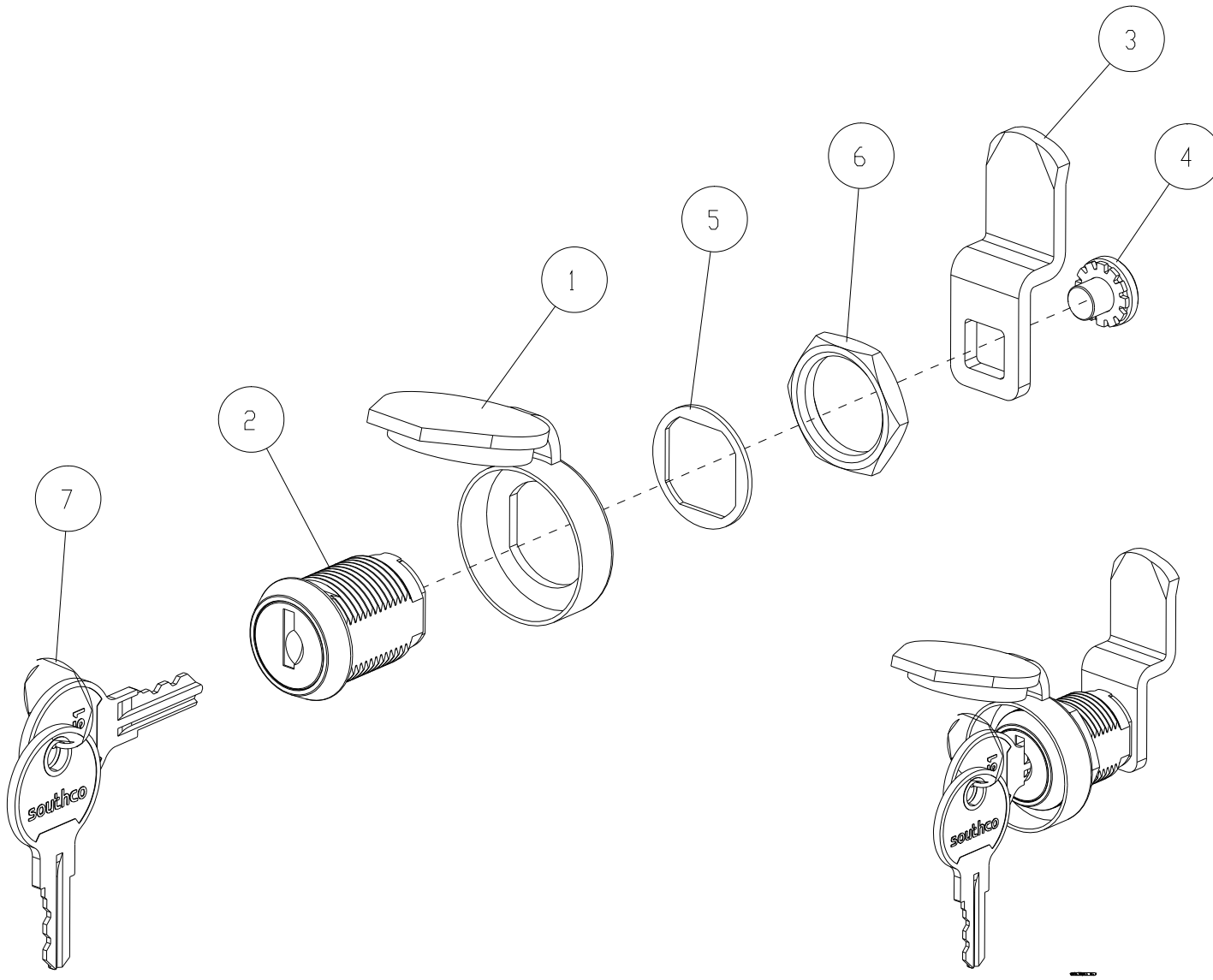


TOKHEIM



Item No	Description	Désignation Français	Part No	Comments
1	Washer Serr Lock Int M10	Rondelle a Dents DIC M10	900021-001	
2	Nut Hex 3/4 - 24 UNS	Ecrou Hex 3/4 - 24 UNS	900041-001	
3	Cap SOUTHCO 90-2 (Cover)	Bouchon SOUTHCO 90-2 (Chapeau)	900042	
4	Nut Hex M10 x 1.00 For Lock	Ecrou M10 x 1.00 Pour Serrures	900043-001	
5	Cam - Lock	Came de serrure	900181	Q100T&200T WWC Calc Head; Q300T/Q300T1 Dispenser; Q400T Calc Doors
	Lock Cam Calc Door	Came de serrure porte calc	900985	Q500T&500T1 Calc Head; Q100T Cecli2 Head
	Lock Cam DIT Door	Came de serrure porte DIT	900986	Q500T&500T1 DIT & Vidium Doors; Q100T&200T Hydraulic Doors; Q400T DIT & Hydraulic doors; AdB dispensers; Q410 dispensers
	Lock Cam Top Cover	Came de serrure top	900978	Q500T Hydraulic top cover only
	Lock Cam Hydr Door	Came de serrure porte hydr	907495	Q500T1 Hydrualic door only
6	Lock	Serrure	900389	

2.6.2 LOCK ASSEMBLY - MANUFACTURED AFTER JUNE 2011

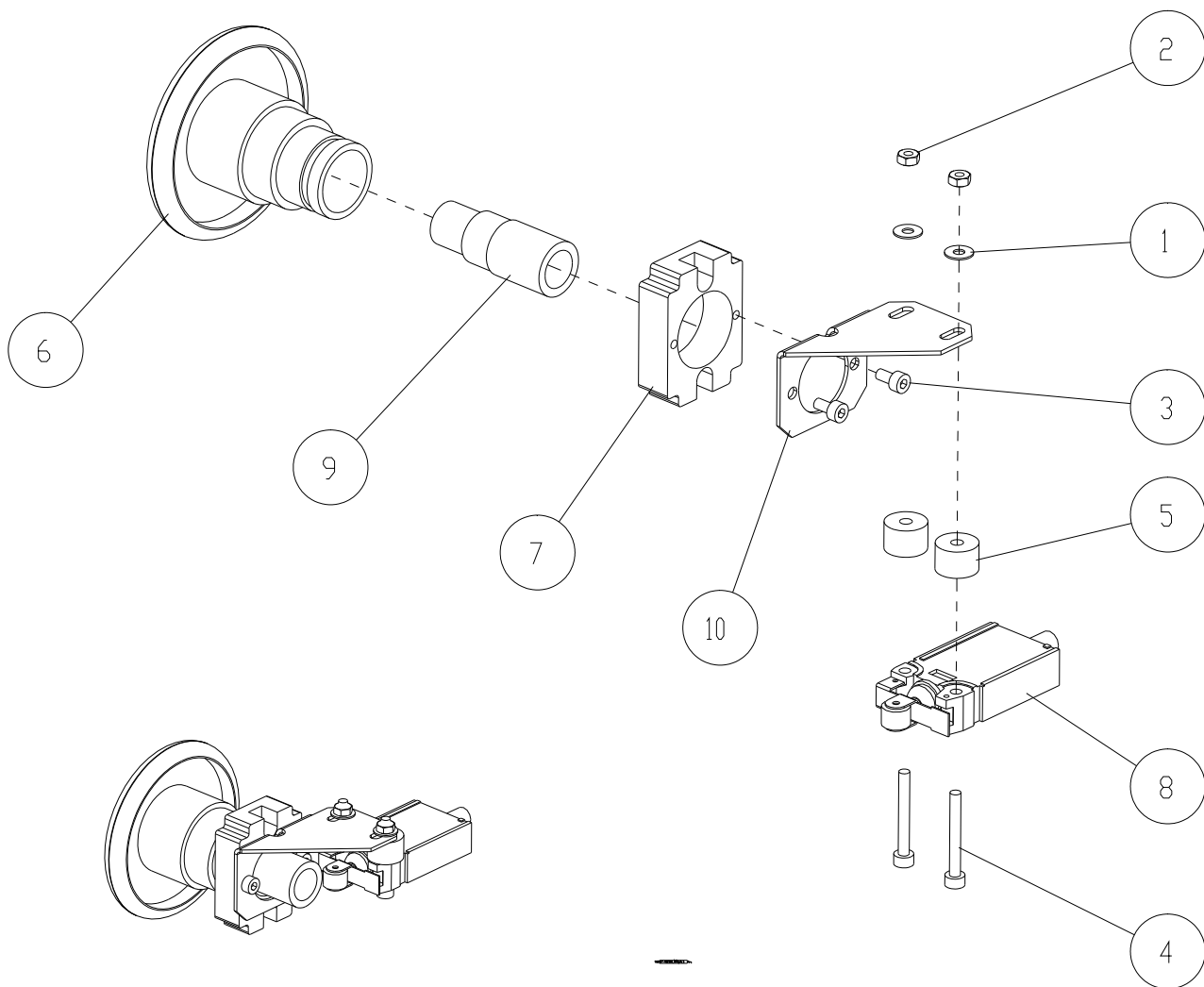


Item No	Description	Désignation Français	Part No	Comments
1	Cap SOUTHCO 90-2 (Cover)	Bouchon SOUTHCO 90-2 (Chapeau)	900042	
2	Lock Barrel - Standard (Southco)	Serrure de Porte - Norme	949200	
3	Lock Cam Calc Door	Came de Serrure	949202	Calculator Door
	Lock Cam DIT Door	Came de Serrure	949203	DIT Door
	Lock Cam Hyd Door	Came de Serrure	949204	Hydraulic Door
4	Screw - Captive Flange (Southco)	Vis - Came Serrure Southco	949522	
5	Washer - Sealing Southco Lock	Rondelle - Serrure de Southco	949523	
6	Nut - Hex 3/4" (Southco)	Ecrou - Hex 3/4" (Southco)	949524	
7	Keys - Standard Lock	Clefs - Serrure Standard	949562	



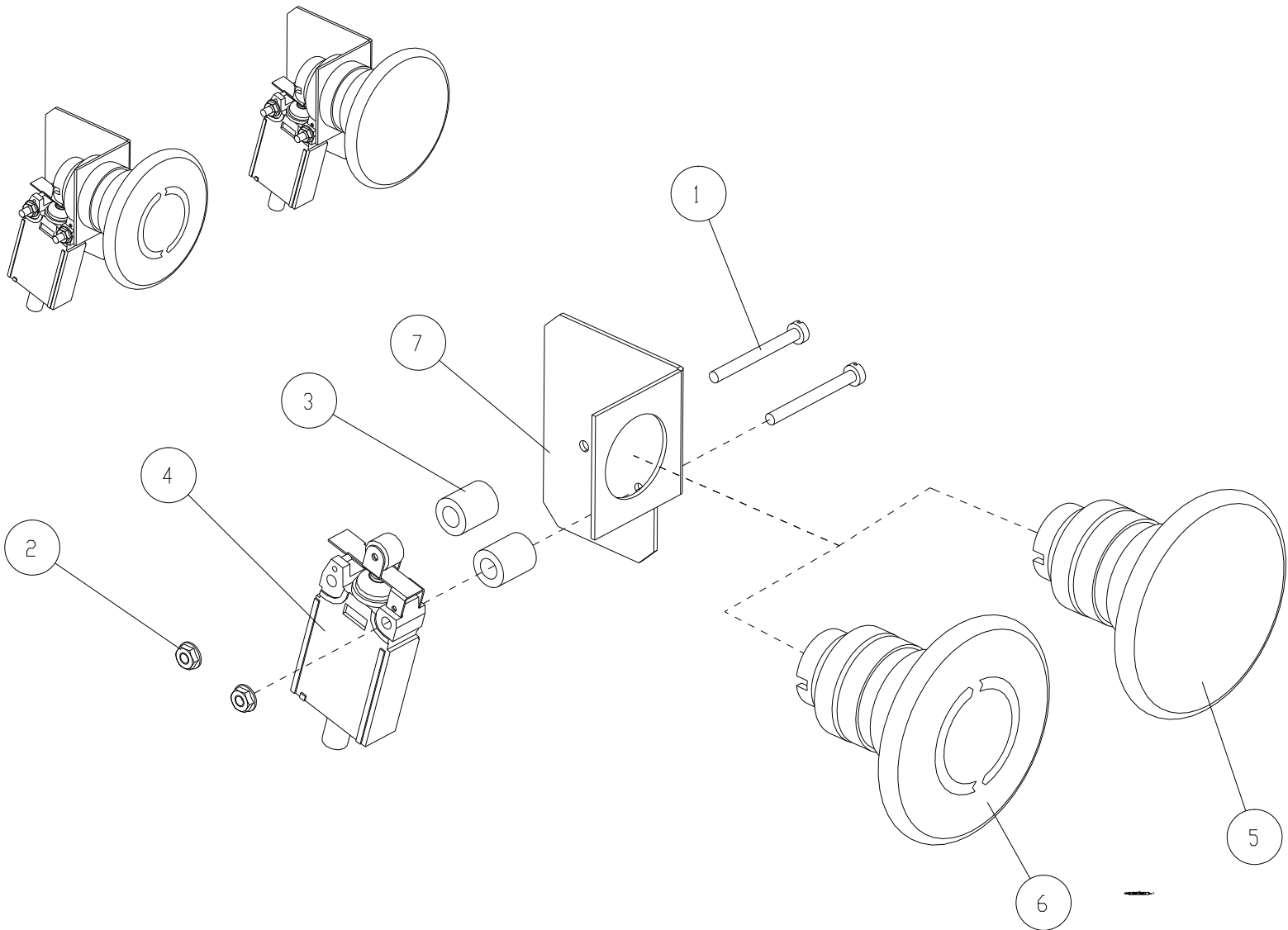
2.7 Button Assemblies

2.7.1 EMERGENCY STOP/DEAD MAN BUTTON ASSEMBLY (MANUFACTURED BEFORE ???)



Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M3	Rondelle PI M3	900008-010	
2	Nut Hex M3	Ecrou H M3	900011-008	
3	Screw HSHC M3x6	Vis CHC M3x6	900017-016	
4	Screw HSHC M3x25	Vis CHC M3x25	900017-017	
5	Spacer 3.5x12x8	Entretoise Cyl 3.5x12x8	900024-010	
6	Button Push Green Button Push Red	Bouton Poussoir Vert Bouton Poussoir Rouge	902501-001 902501-002	Dead Mans Button Emergency Stop Button
7	Mount - Switch	Embase	902502-001	
8	Microswitch	Microrupteur Inverseur	902503-001	
9	Spacer - Switch Operating	Entretoise De Fixation	902504	
10	Bracket - Push Button	Support Bouton	902506	

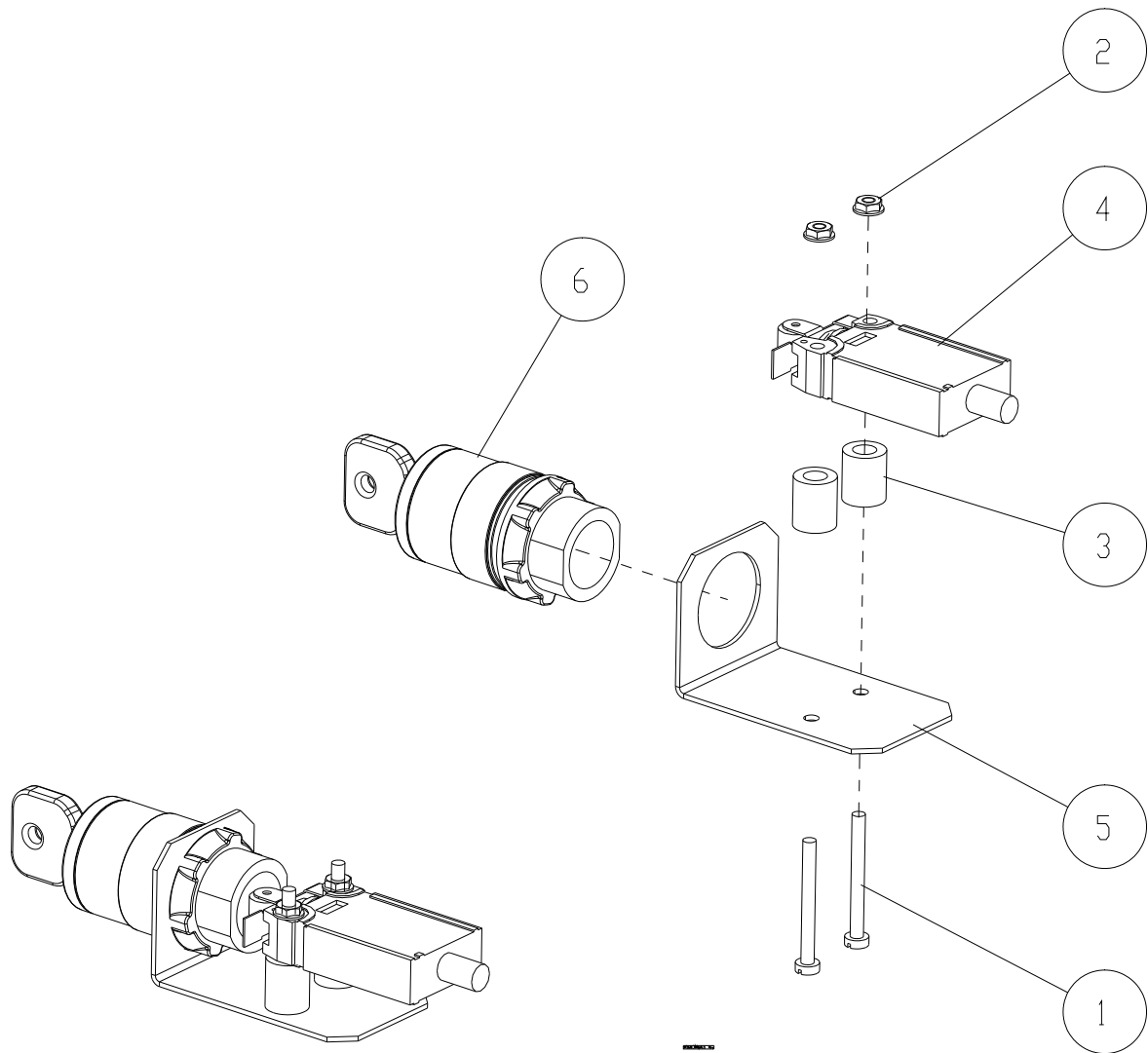
2.7.2 EMERGENCY STOP BUTTON (LPG COMBO MODELS ONLY) (MANUFACTURED BEFORE ???)



Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M3x30	Vis CS M3x30	900007-015	
2	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
3	Spacer 5.5x10x12	Entretoise Cyl 5.5x10x12	900024-008	
4	Microswitch	Microrupteur Inverseur	902503-001	
5	Push Button ZB5 AR4 Plastic	Bouton Poussoir ZB5 AR4 Plast	947999-001	
6	Push Button ZB5 AS64 Plastic	Bouton Poussoir ZB5 AS64 Plast	947999-002	
7	DM Button Bracket for ZB5	Support Bouton A-U pour ZB5	948027	



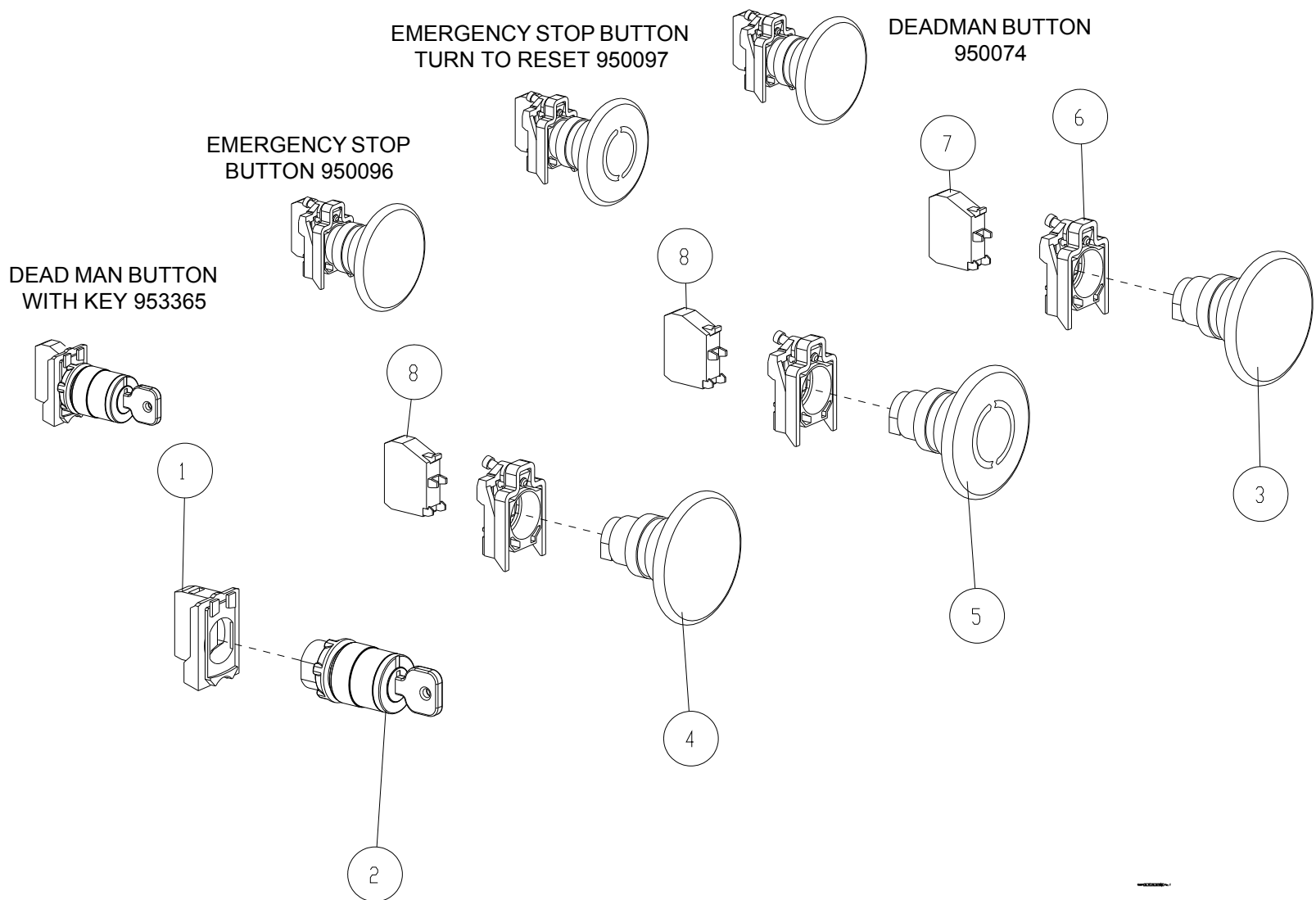
2.7.3 DEAD MAN BUTTON WITH KEY ASSEMBLY (OPTIONAL) (MANUFACTURED BEFORE ???)



Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M3x30	Vis CS M3x30	900007-015	
2	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
3	Spacer 5.5x10x12	Entretoise Cyl 5.5x10x12	900024-008	
4	Microswitch	Microrupteur Inverseur	902503-001	
5	DM Button with Key - Bracket	Support Bouton HM à Clé	943477	
6	Dead Man Button with Key	Bouton Homme Mort à Clé	943478	



2.7.4 BUTTON ASSEMBLIES (MANUFACTURED AFTER?)



Item No	Description	Désignation Français	Part No	Comments
1	Switch Body ZB5	Contact ZBE 102	908604	
2	Dead man button with key	Bouton Homme Mort ? clé	943478	
3	Push Button Green	Bouton Poussoir Vert	945761-001	Deadman Button
4	Push Button Red	Bouton Poussoir Rouge	945761-002	Emergency Stop
5	Push Button Red (turn to reset)	Bouton d'urgence Rouge	945761-004	Emergency Stop Turn to Reset
6	Base	Embase	945762-001	
7	Switch ZBE 101	Contact ZBE 101	946267-001	
8	Switch ZBE 102	Contact ZBE 102	946267-002	



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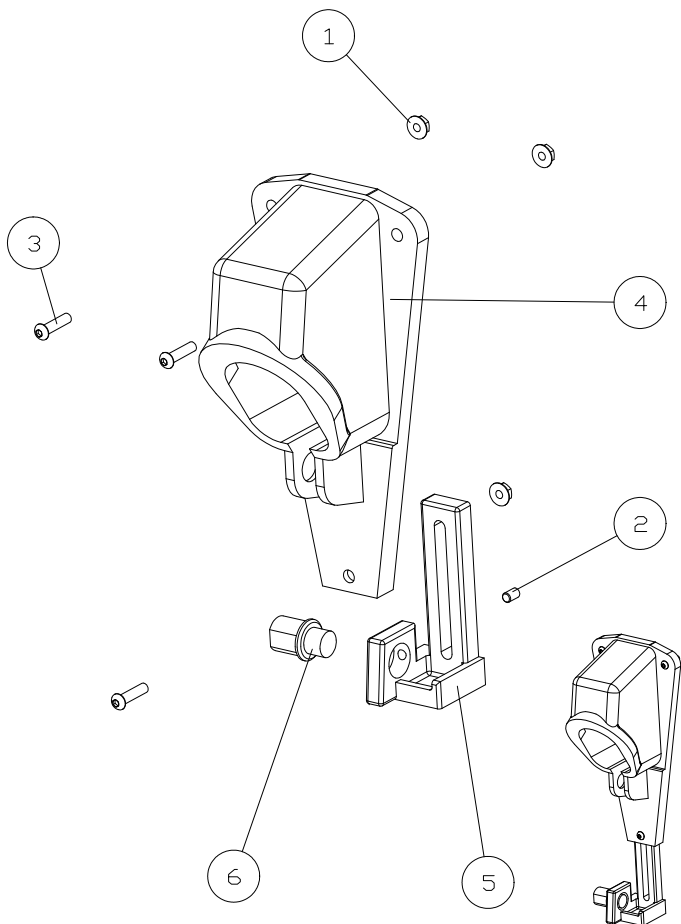
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3 HOSES & NOZZLES

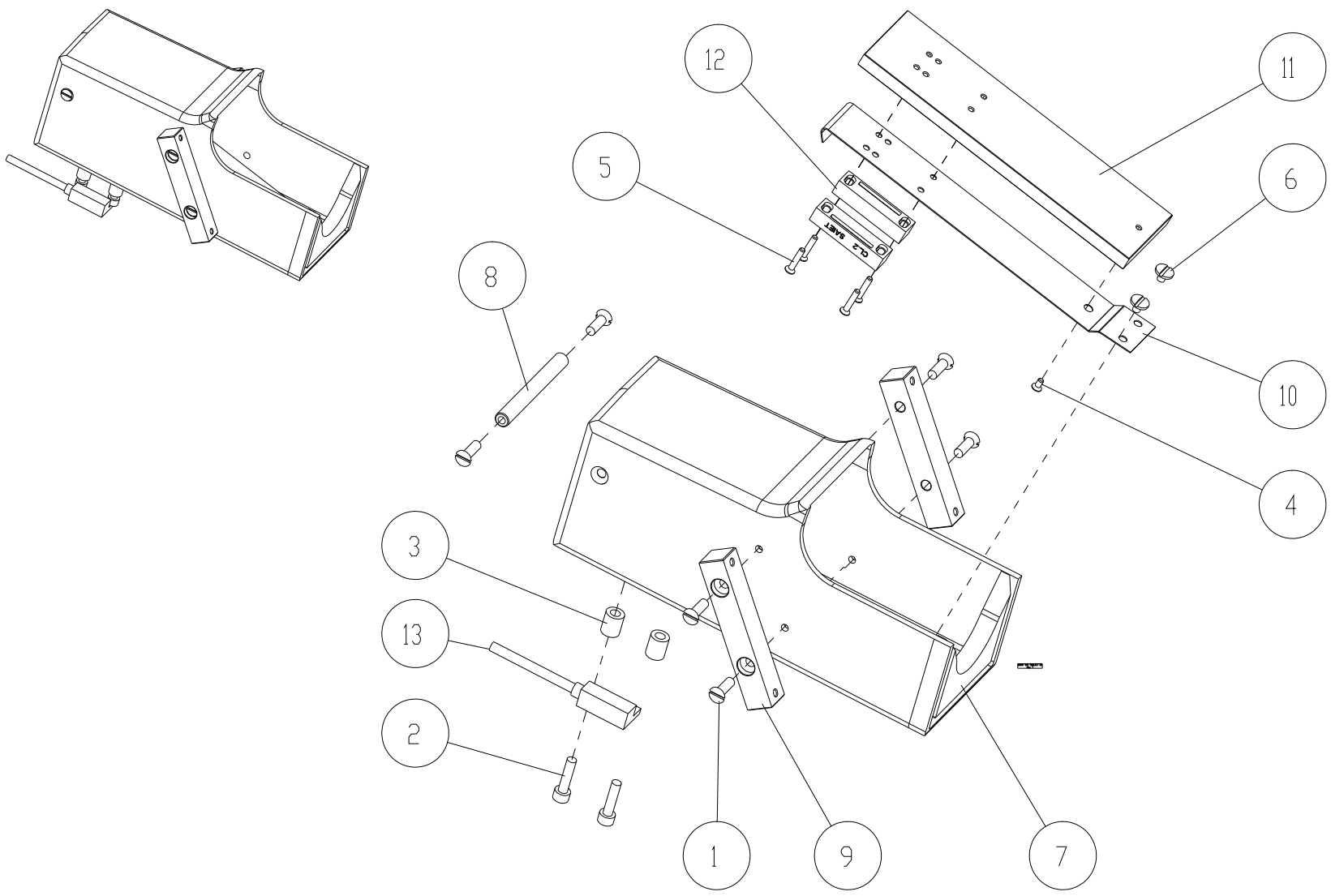
3.1 Nozzle Boot Assembly - Elaflex



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
2	Screw HSS Cup Point M6x10	Vis HCCU M6x10	900019-001	
3	Screw HSB M6x25	Vis M6x25	900795-003	
4	Nozzle Holder LPG Upper	Support Buse GPL	902179	
5	Nozzle Holder Lower Ela	Support inferieur Buse Elaflex	902180	
6	Cylindrical Lock LPG Elaflex	Serrure Cylindrique Elaflex	902181	



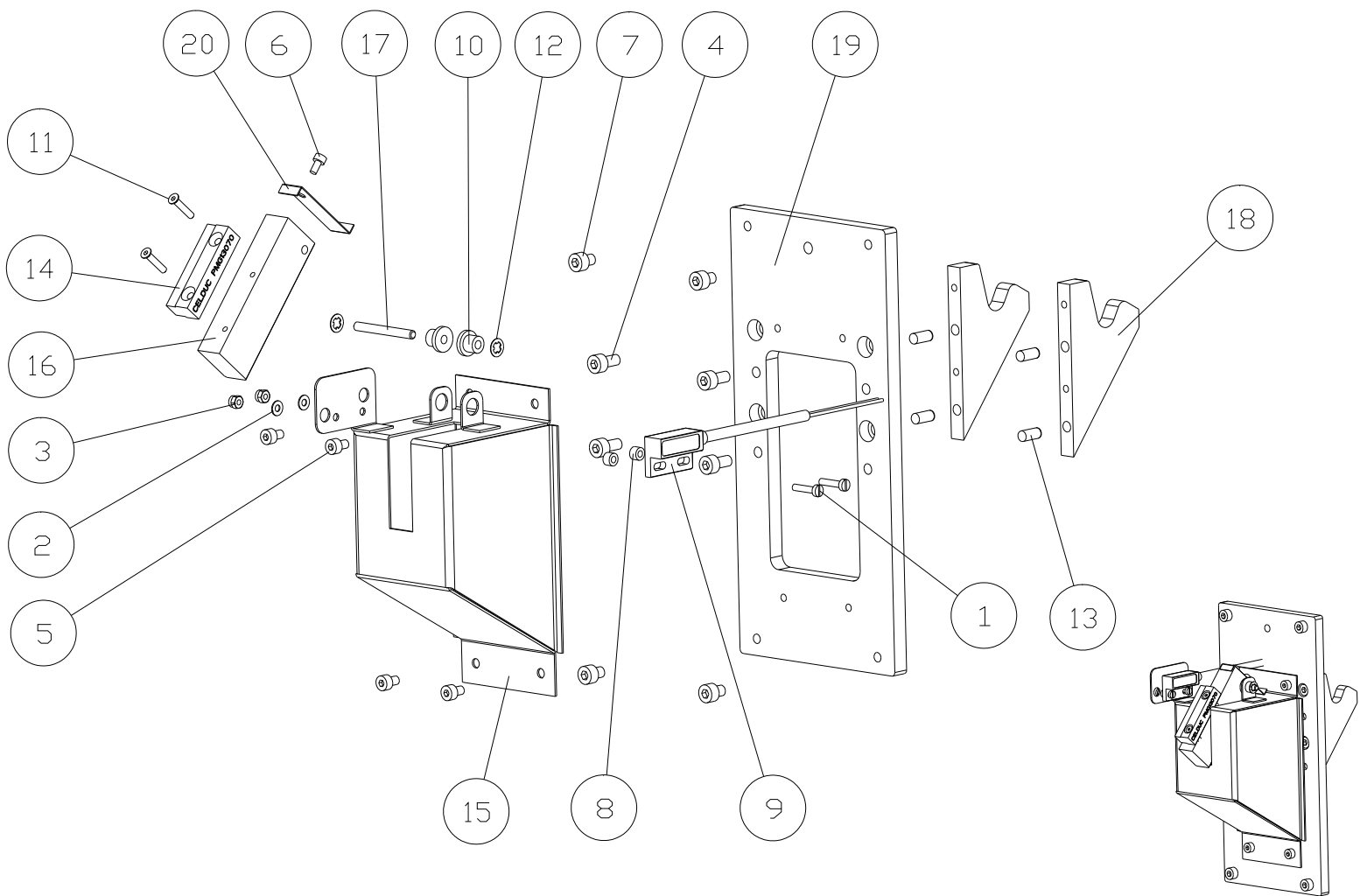
3.2 Nozzle Boot Assembly - Butagaz



Item No	Description	Désignation Français	Part No	Comments
1	Screw SCS M5x16	Vis FS M5x16	900014-005	
2	Screw HSHC M5x20	Vis CHC M5x20	900017-012	
3	Spacer 3.5x12x8	Entretoise cyl. 3.5x12x8	900024-010	
4	Screw HSC M3x6	Vis FHC M3x6	900643-004	
5	Screw HSC M3x16	Vis FHC M3x16	900643-005	
6	Screw SRH M4x5	Vis RLS M4x5	901361-005	
7	Nozzle Boot Butagaz Assy	Boîtier Butagaz Asm	902122	
8	Shaft - Nozzle Flap	Axe de Butée Languette	902126	
9	Block - Nozzle Boot Mount	Réglette de Fixation Boîtier	902127	
10	Spring - Nozzle Boot Flap	Lamelle Boîtier	902128	
11	Flap - Nozzle Boot	Languette Boîtier	902129	
12	Magnet SAIET CL.2	Aimant SAIET CL.2	909983-001	
13	Mag. Prox. Switch NC L=3000	Mag. Prox. Switch NC L=3001	952887-002	

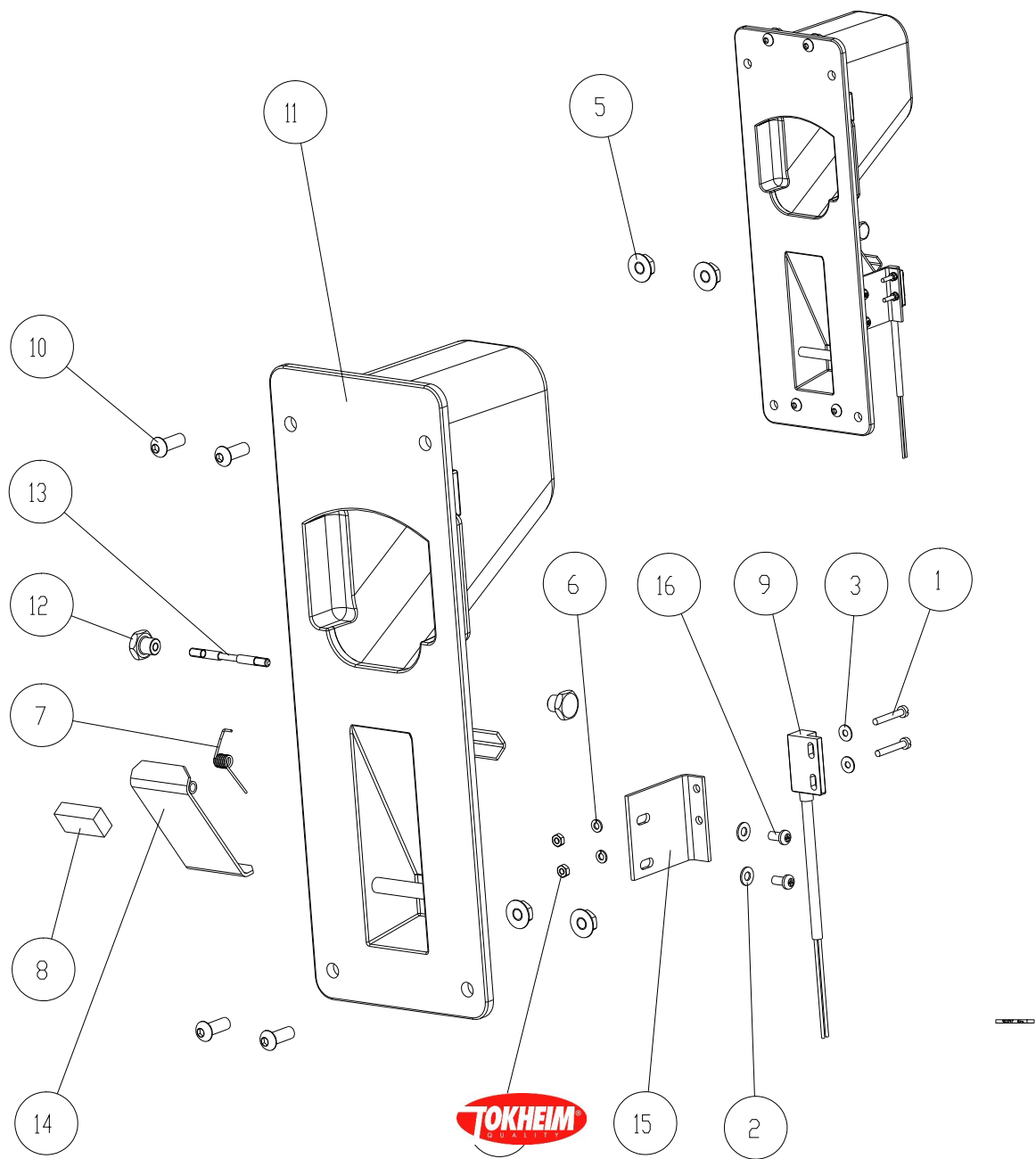


3.3 Nozzle Boot Assembly - LPG Group 100



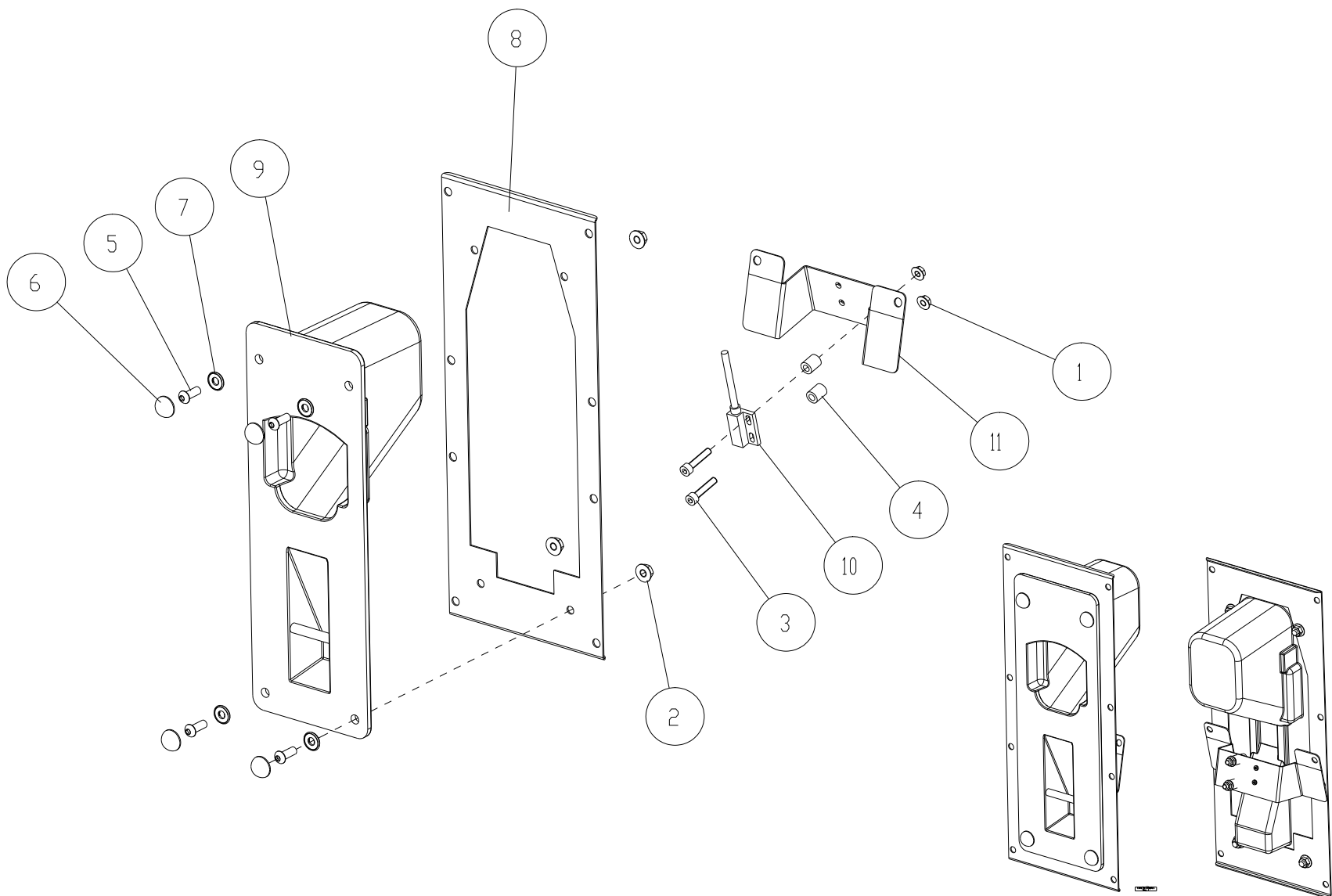
Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M3x14	Vis CS M3x14	900007-012	
2	Washer PI M3	Rondelle PI M3	900008-010	
3	Nut Hex Prev Torque M3	Ecrou Frein M3	900012-001	
4	Screw HSHC M5x10	Vis CHC M5x10	900017-013	
5	Screw HSHC M4x6	Vis CHC M4x6	900017-015	
6	Screw HSHC M3x6	Vis CHC M3x6	900017-016	
7	Screw HSHC M5x6	Vis CHC M5x6	900017-023	
8	Spacer 3.1x6x4	Entretoise Cyl 3.1x6x4	900024-009	
9	Magnetic Proximity Switch	Contact magnetiq.de proximité	900387-001	
10	Bearing 4x8x8	Coussinet C4x8x8	900497-006	
11	Screw HSC M3x16	Vis FHC M3x16	900643-005	
12	Washer Spring Retain Shaft D4	Anneau D'Arret Pour Axe D4	901313-002	
13	Parallel Pin 5x12mm	Goup Cylind C 5x12mm	901348-002	
14	Magnet - CELDUC PMG 13070	Aimant CELDUC PMG 13070	902293-001	
15	Housing - Nozzle boot welded	Cater de buse asm	902314	
16	Flap - nozzle boot	Palette de raz	902315	
17	Shaft - nozzle flap	Axe de palette	902316	
18	Support - Nozzle	Support buse	902317	
19	Plate - nozzle boot face	Platine de façade	902318	
20	Spring - leaf	Lame de ressort	902319	

3.4 Nozzle Boot Assembly - GG30



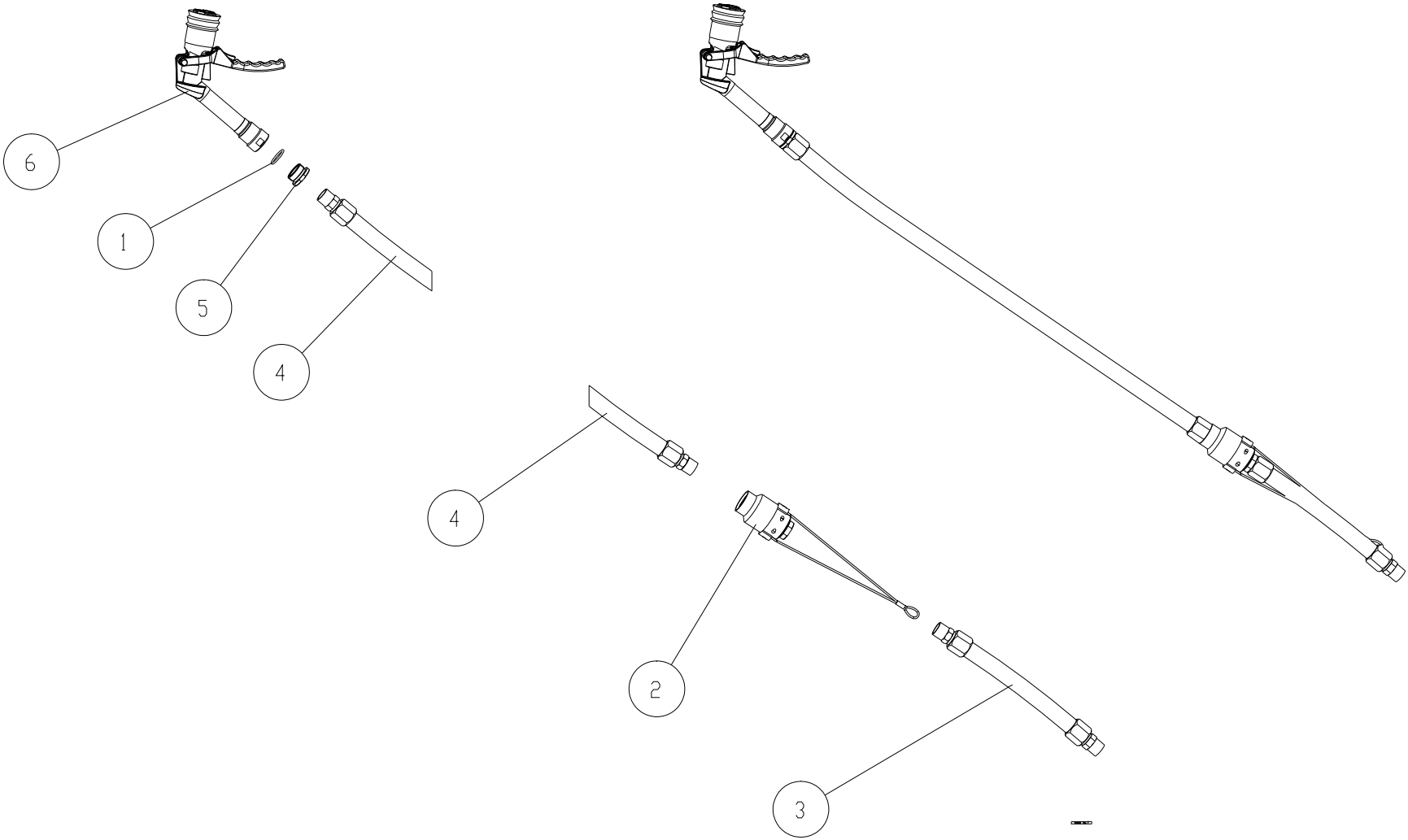
Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M3x20	Vis CS M3x20	900007-002	
2	Washer PI M4	Rondelle PI M4	900008-001	
3	Washer PI M3	Rondelle PI M3	900008-010	
4	Nut Hex M3	Ecrou H M3	900011-008	
5	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
6	Washer Spring Lock M3	Rondelle Elast W 3	900051-002	
7	Flapper Torsion Spring CEN	Ressort torsion obturateur CEN	900090	
8	Nozzle Switch Magnet	Aimant interrupteur injecteur	900092	
9	Magnetic Proximity Switch	Contact magnetiq.de proximité	900387-001	
10	Screw HSB M6x16	Vis M6x16	900795-002	
11	Elaflex GG30 LPG Nozzleboot	Elaflex GG30 LPG Nozzleboot	956212	
12	Nut Flapper Noz Sw LPG GG30	Ecrou Obturateur Buse SW GG30	902064	
13	Pin F Flapper Noz Sw LPG GG30	Pin P Obturateur Sw BUSE GPL	902066	
14	Flapper F Noz Sw LPG GG30	Obturateur P Sw Buse GG30	902067	
15	Bracket Noz Switch LPG GG30	Support Switch GPL GG30	902068	
16	Screw Threadform M4x8	Ecrou M4x8	902081-001	

3.5 Nozzle Boot Assembly - EURO Elaflex



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M3	Ecrou Autobloquant M3	900012-001	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Screw HSHC M5x25	Vis CHC M5x25	900017-010	
4	Spacer 3.5x12x8	Entretoise cyl. 3.5x12x8	900024-010	
5	Screw HSB M6x16	Vis M6x16	900795-002	
6	Snap Cap White M6	Chapeau Vis Blanc M6	903192-001	
7	Washer for Cap M6	Rondelle pour Capuchon M6	947003-001	
8	Elaflex nozzle boot bracket	Support porte pistolet Elaflex	952505	
9	Nozzle Boot Elaflex NB	Support Pistolet Elaflex NB	948276	Lockable option
	Nozzle Boot Elaflex Locked	Support Pistolet Elaflex Verrou	949184	
10	Mag. Prox. Switch NC L=3000	Mag. Prox. Switch NC L=3000	952887-002	
11	LPG Elaflex Switch Bracket	LPG Elaflex Switch Bracket	956165	

3.6 Hose to Nozzle Assembly

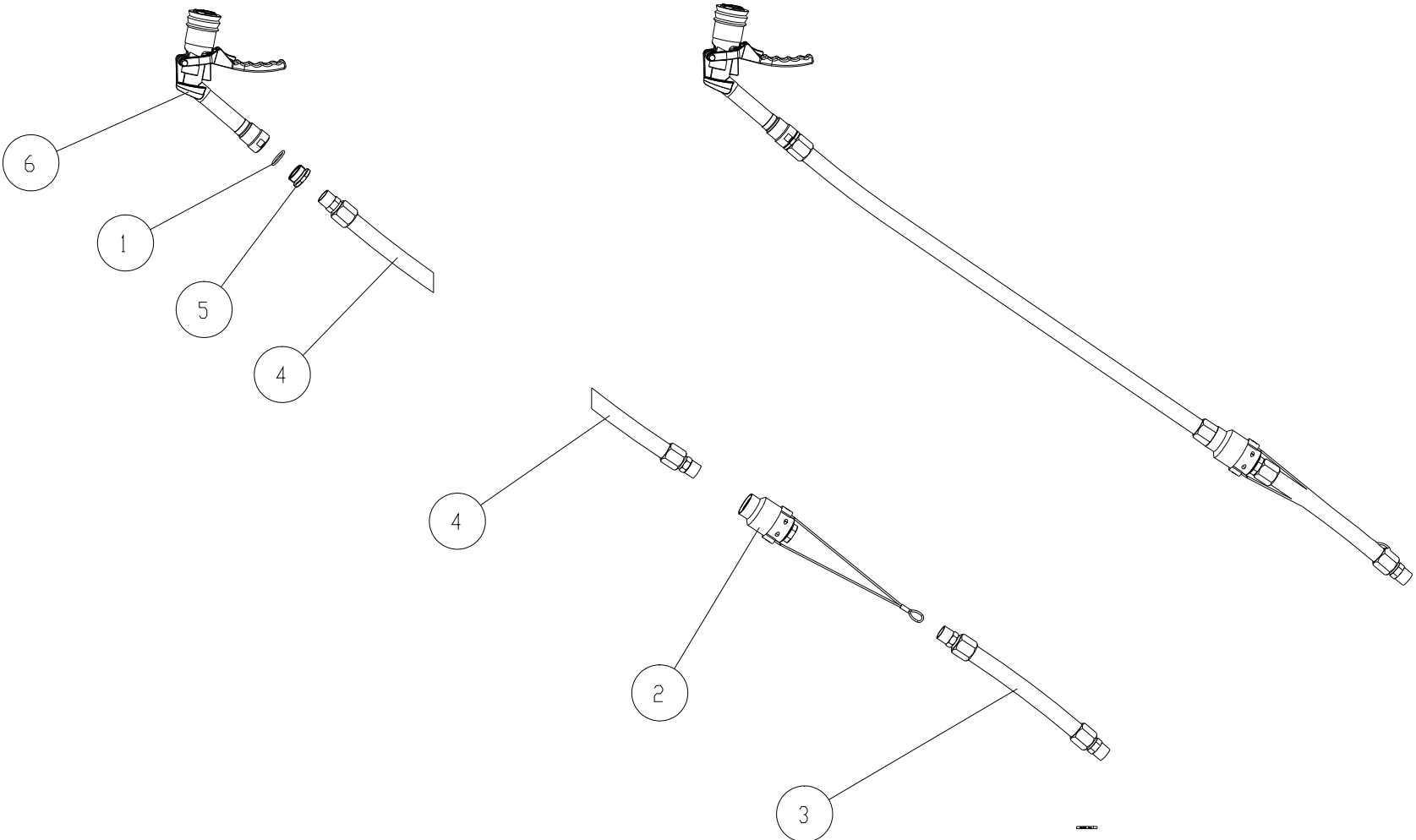


Item No	Description	Désignation Français	Part No	Comments
1	O-Ring 28 x 3	Joint Torique 28 x 3	900050-057	With Nozzle LPG Group only
2	Coupling break ELAFLAX Coupling Break BATCHEN Break Coupling STAUBLI 280N Break Coupling STAUBLI (Rope)	Accouplement securite ELA... Accouplement de coupure GPL BATCHEN Raccord déboitable STAUBLI 280N Raccord déboitable STAUBLI (Corde)	902517-001 904169-001 906424-002 951422	Used with 951610
3	Flex LPG 0.5m M/M 3/4" NPT Flex LPG 0.5m M/M 3/4" NPT LT Flex LPG 0.5m M/M 3/4" NPT LT	Flex GPL 0.5m M/M 3/4" NPT Flex GPL 0.5m M/M 3/4" NPT LT Flex GPL 0.5m M/M 3/4" NPT LT	904128-001 904128-011 904128-023	UK only France only
4	Flex LPG 3.6m M/M 3/4" NPT Flex LPG 3.6m M/M 3/4" NPT LT Flex LPG 3.6m M/M 3/4" NPT LT	Flex GPL 3.6m M/M 3/4" NPT Flex GPL 3.6m M/M 3/4" NPT LT Flex GPL 3.6m M/M 3/4" NPT LT	904128-002 904128-012 904128-024	UK only France only
5	Adaptor M 1'BSP/F 3/4"NPT Plug 1" BSP Fem. 3/4 NPT Male	Adaptateur M 1'BSP/F 3/4... Rac. 1" BSP Fem. 3/4 NPT Male	944317 947206	With Nozzle LPG Group only France only
6	Nozzle - LPG Group Type 850 + 3/4 NPT Nozzle LPG Group 800/900 EURO Nozzle LPG GROUP 741 - (DISH) Nozzle GG30 LPG 3/4" NPT Nozzle Elaflex LPG ZVG2 ACME Nozzle Elaflex LPG ZVG2 Euro.3M Nozzle Elaflex LPG ZVG2 Dish.3M	Buse GPL Group type 850 3/4 NPT Nozzle GPL Group 800/900 EURO Buse GPL GROUP 741 - (DISH) Buse GG30 GPL 3/4 Buse Elaflex GPL ZVG2 ACME Buse Elaflex GPL ZVG2 Euro.3M Buse Elaflex GPL ZVG2 Dish.3M	945542-003 945542-004 945542-005 901235-001 946750-001 946750-002 946750-003	

(Cont.)



3.6 Hose to Nozzle Assembly (Cont.)



Item No	Description	Désignation Français	Part No	Comments
6 (cont.)	Nozzle Boosekoop LPG 3/4	Buse Boosekoop GPL 3/4	901447-001	



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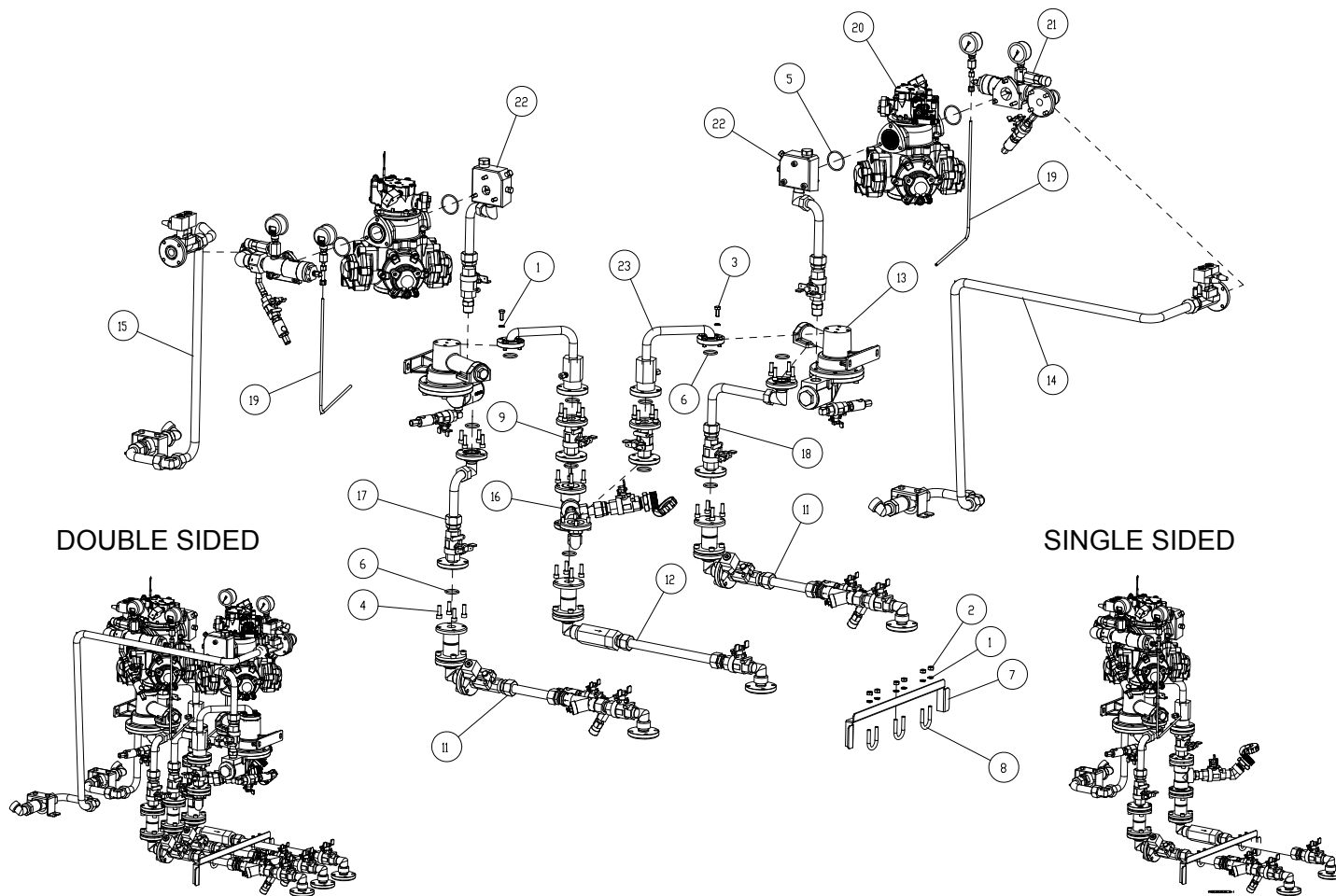
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4 DISPENSER LPG HYDRAULICS

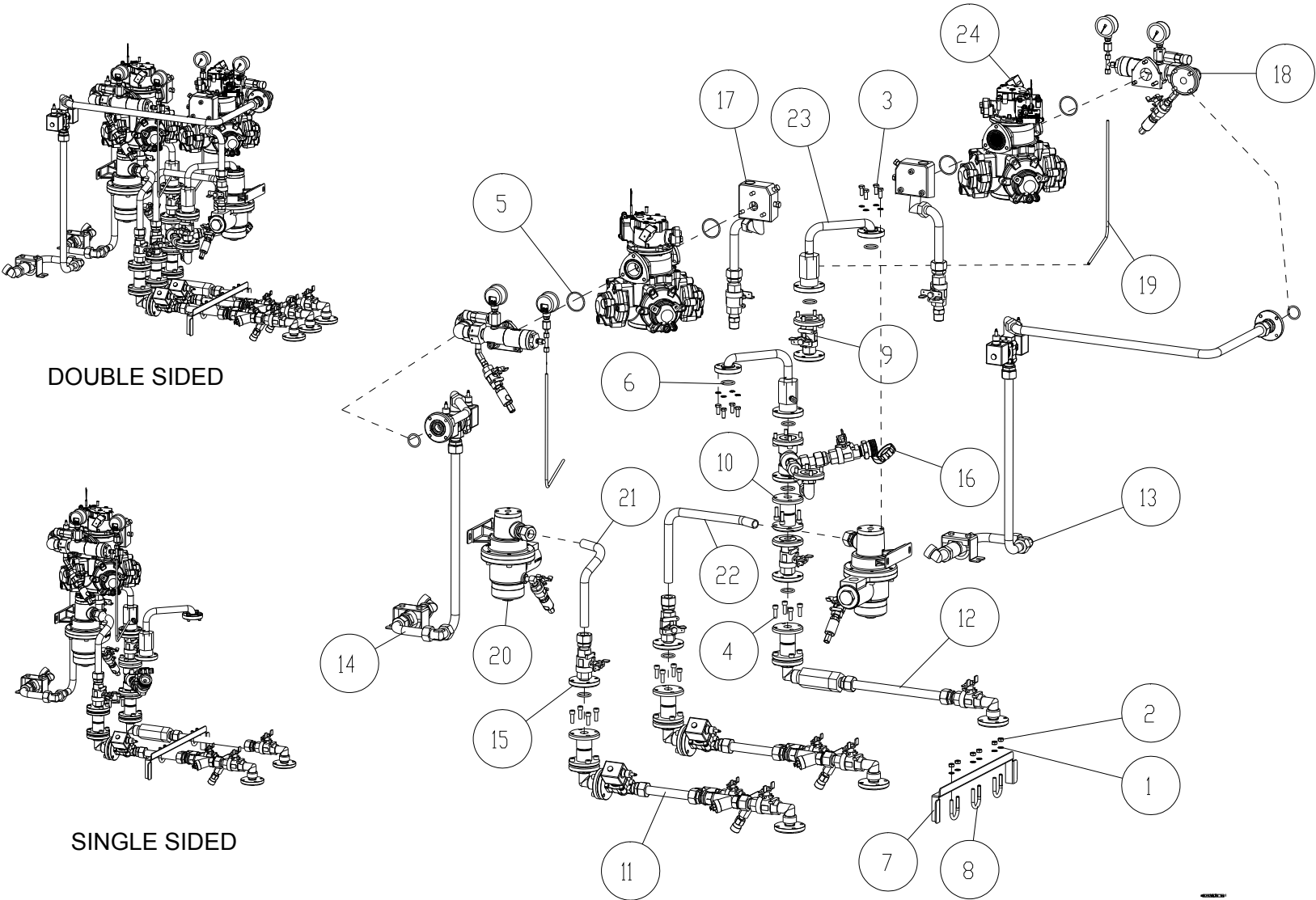
4.1 Q510 LPG Hydraulic Stack Assemblies

4.1.1 Q510 LPG HYDRAULIC STACK ASSEMBLY (NON-MID) (MANUFACTURED BEFORE ???)



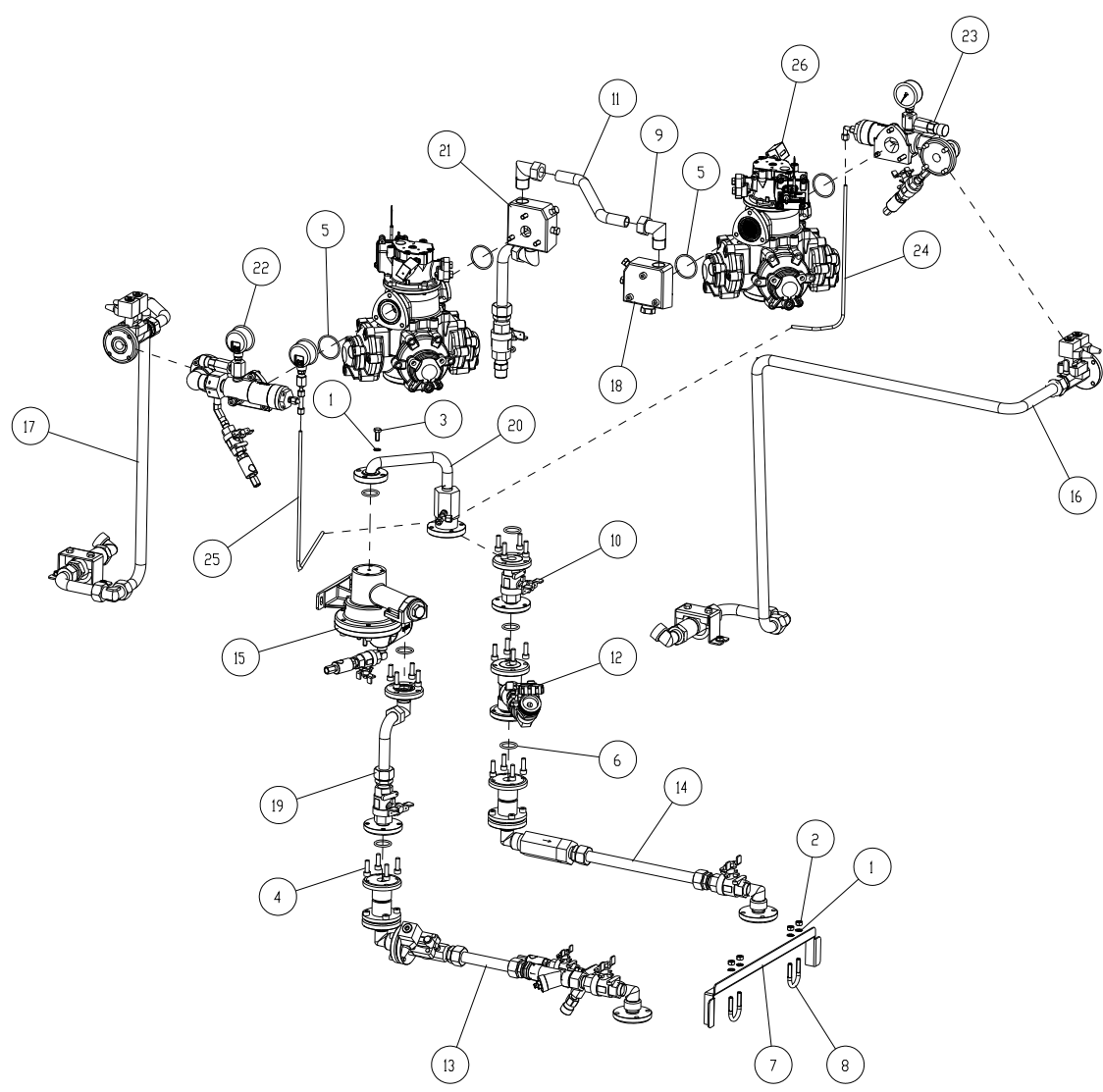
Item No	Description	Désignation Français	Part No	Comments
1	Washer Serr Lock Ext M8	Rondelle a Dents DEC M8	900009-002	
2	Nut Hex M8	Ecrou H M8	900011-003	
3	Screw HH M8x20	Vis H M8x20	900015-018	
4	Screw HSHC M8x25	Vis CHC M8x25	900017-003	
5	O-Ring 46,00x3,00	Joint Torique 46,00x3,00	900050-042	
6	O-Ring 29.3 x 3.6	Joint Torique 29.3 x 3.6	900050-077	
7	Support - Connection Pipes	Traverse Maintien Tuyauteries	903159	
8	U-Bolt 3/4"	Collier 3/4"	903160-001	
9	Valve Assy Gas Phase FR	Vanne Phase Gazeuse FR	-	Refer to Gas Phase Valve Assembly
10	Gas Return Line Single MID	Liaison Degazeur Simple MID	-	Refer to Gas Return Line Assembly
11	Inlet Assy - Liquid Diam 22	Phase Liquide Diam 22 Asm	-	Refer to Danfoss Liquid Inlet Asm
12	Gas Phase Line Diam 22 Assy	Ens Phase Gazeuse Diam 22 Asm	-	Refer to Gas Phase Line Assembly
13	Air Separator with Nitrog Assy	Degazeur avec pt nitrog a...	-	Refer to Air Separator Assembly
14	Pipe Assy LPG Stack/Hose A	Tube ens Hydr-Flex. A Asm	-	Refer to Pipe Assemblies
15	Pipe Assy LPG Stack/Hose B	Tube ens Hydr-Flex. B Asm	-	Refer to Pipe Assemblies
16	Pipe Return Gas Double Assy	Tube Retour Gas Double Asm	-	Refer to Gas Return Line Assembly
17	Pipe Assy Air Separator W/O Groove	Tube Vanne Deg av Gorge Asm	-	Refer to Air Separator Pipe Asm
18	Pipe Assy Air Separator with Groove	Tube Deg av Gorge	-	Refer to Air Separator Pipe Asm
19	Pipe Check valve gauge	Tube clapet manometre	950036	
20	Meter LPG with Collector TM80	Mesureur GPL av Collecteur TM80	-	Refer to Meter & Pulser Assembly
21	Differential Valve Gauge	Vanne Diff. Equipe	-	Refer to Diff. Valve & Gauge Asm
22	Flange Inlet Meter Simple Std	Bride Entree mes. Simple Std	-	Refer to Meter Inlet Flange Assembly
23	Outlet Air Separator	Sortie Degazeur MID asm	-	Refer to Air Separator Outlet Asm

4.1.2 Q510 LPG HYDRAULIC STACK ASSEMBLY (NON-MID) (MANUFACTURED AFTER ???)

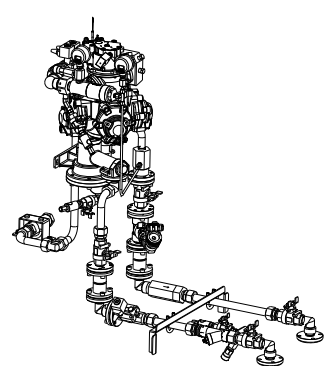


Item No	Description	Désignation Français	Part No	Comments
1	Washer Serr Lock Ext M8	Rondelle a Dents DEC M8	900009-002	
2	Nut Hex M8	Ecrou H M8	900011-003	
3	Screw HH M8x20	Vis H M8x20	900015-018	
4	Screw HSHC M8x25	Vis CHC M8x25	900017-003	
5	O-Ring 46,00x3,00	Joint Torique 46,00x3,00	900050-042	
6	O-Ring 29.3 x 3.6	Joint Torique 29.3 x 3.6	900050-077	
7	Support - Connection Pipe	Traverse Maintien Tuyauteries	903159	
8	U-Bolt 3/4"	Collier 3/4"	903160-001	
9	Elbow 90° 22 EO2 x 3/4NPT	Coude 90° 22 EO2 x 3/4NPT	905145-001	
10	Valve Assy Gas Phase FR	Vanne Phase Gazeuse FR	-	Refer to Gas Phase Valve Assembly
11	Pipe Meter A and B	Tube Mesureur A et B	943964	
12	Gas Return Line Single MID	Liaison Degazeur Simple MID	-	Refer to Gas Return Line Assembly
13	Inlet Assy - Liquid Diam 22	Phase Liquide Diam 22 Asm	-	Refer to Liquid Inlet Assembly
14	Gas Phase Line Diam 22 Assy	Ens Phase Gazeuse Diam 22 Asm	-	Refer to Gas Phase Line Assembly
15	Air Separator with Nitrog Assy	Degazeur avec pt nitrog a...	-	Refer to Air Separator Assembly
16	Pipe Assy LPG Stack/Hose A	Tube ens Hydr-Flex. A Asm	-	Refer to Pipe Assemblies
17	Pipe Assy LPG Stack/Hose B	Tube ens Hydr-Flex. B Asm	-	Refer to Pipe Assemblies
18	Flange Inlet Meter Blank Assy	Bride Entree Mesureur Nu Asm	-	Refer to Meter Inlet Flange Assembly
19	Pipe Assy Air Separator W/O Groove	Tube Vanne Deg av Gorge Asm	-	Refer to Air Separator Pipe Asm
20	Outlet Air Separator MID	Sortie Degazeur MID asm	-	Refer to Air Separator Outlet Asm
21	Flange Inlet Meter Simple Std	Bride Entree mes. Simple Std	-	Refer to Meter Inlet Flange Assembly
22	Differential Valve Gauge No MID	Vanne Diff. Non MID Equipe	-	Refer to Diff. Valve & Gauge Asm
23	Differential Valve Gauge MID	Vanne Diff. MID Equipe	-	Refer to Diff. Valve & Gauge Asm
24	Pipe - Check Valve Gauge B Inlet pipe valve right	Tube - Clapet Manometre B MID Tube entrée EV droite	950037 954353	
25	Pipe - Check Valve Gauge A Inlet pipe valve left	Tube - Clapet Manometre A MID Tube entrée EV gauche	950038 954352	
26	Meter LPG with Collector TM80	Mesureur GPL av Collecteur TM80	-	Refer to Meter & Pulser Assembly

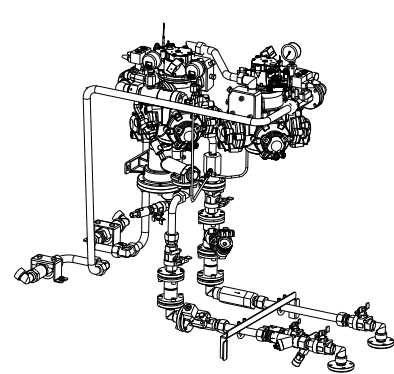
4.1.3 Q510 LPG HYDRAULIC STACK ASSEMBLY (MID) (MANUFACTURED BEFORE ???)



SINGLE SIDED

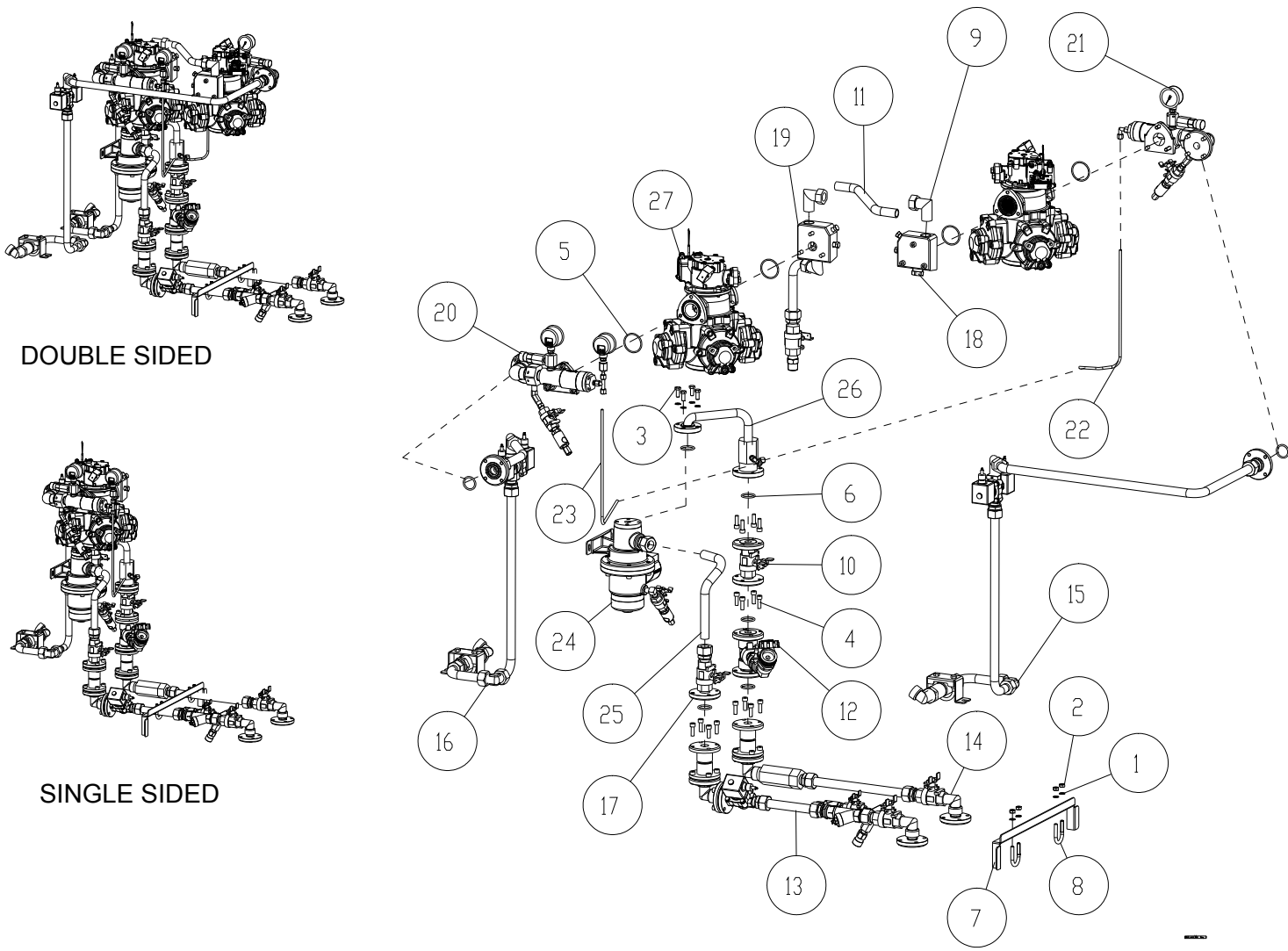


DOUBLE SIDED



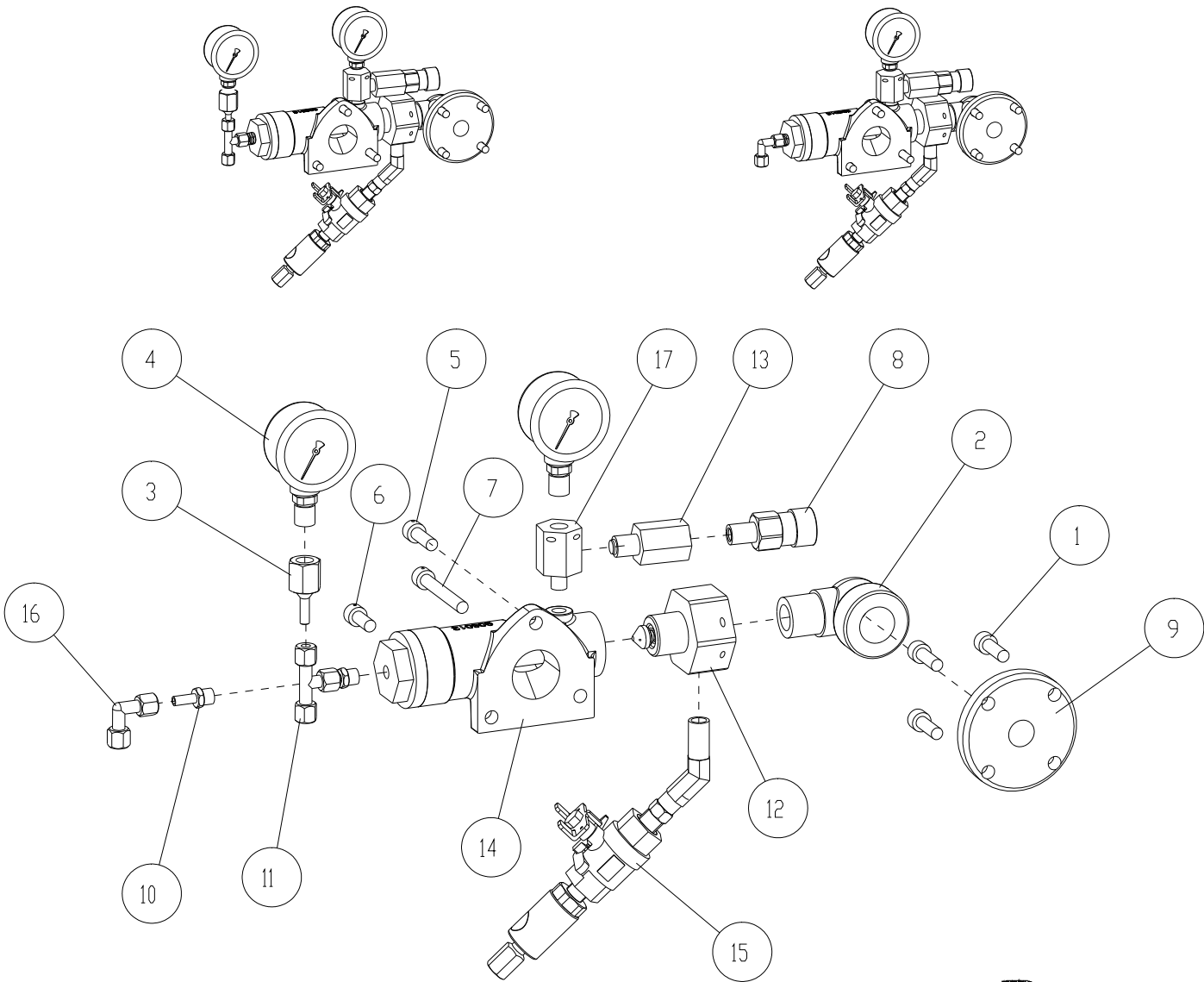
Item No	Description	Désignation Français	Part No	Comments
1	Washer Serr Lock Ext M8	Rondelle a Dents DEC M8	900009-002	
2	Nut Hex M8	Ecrou H M8	900011-003	
3	Screw HH M8x20	Vis H M8x20	900015-018	
4	Screw HSHC M8x25	Vis CHC M8x25	900017-003	
5	O-Ring 46,00x3,00	Joint Torique 46,00x3,00	900050-042	
6	O-Ring 29.3 x 3.6	Joint Torique 29.3 x 3.6	900050-077	
7	Support - Connection Pipe	Traverse Maintien Tuyauteries	903159	
8	U-Bolt 3/4"	Collier 3/4"	903160-001	
9	Elbow 90° 22 EO2 x 3/4NPT	Coude 90° 22 EO2 x 3/4NPT	905145-001	
10	Valve Assy Gas Phase FR	Vanne Phase Gazeuse FR	-	Refer to Gas Phase Valve Assembly
11	Pipe Meter A and B	Tube Mesureur A et B	943964	
12	Gas Return Line Single MID	Liaison Degazeur Simple MID	-	Refer to Gas Return Line Assembly
13	Inlet Assy - Liquid Diam 22	Phase Liquide Diam 22 Asm	-	Refer to Liquid Inlet Assembly
14	Gas Phase Line Diam 22 Assy	Ens Phase Gazeuse Diam 22 Asm	-	Refer to Gas Phase Line Assembly
15	Air Separator with Nitrog Assy	Degazeur avec pt nitrog a...	-	Refer to Air Separator Assembly
16	Pipe Assy LPG Stack/Hose A	Tube ens Hydr-Flex. A Asm	-	Refer to Pipe Assemblies
17	Pipe Assy LPG Stack/Hose B	Tube ens Hydr-Flex. B Asm	-	Refer to Pipe Assemblies
18	Flange Inlet Meter Blank Assy	Bride Entree Mesureur Nu Asm	-	Refer to Meter Inlet Flange Assembly
19	Pipe Assy Air Separator W/O Groove	Tube Vanne Deg av Gorge Asm	-	Refer to Air Separator Pipe Asm
20	Outlet Air Separator MID	Sortie Degazeur MID asm	-	Refer to Air Separator Outlet Asm
21	Flange Inlet Meter Simple Std	Bride Entree mes. Simple Std	-	Refer to Meter Inlet Flange Assembly
22	Differential Valve Gauge No MID	Vanne Diff. Non MID Equipe	-	Refer to Diff. Valve & Gauge Asm
23	Differential Valve Gauge MID	Vanne Diff. MID Equipe	-	Refer to Diff. Valve & Gauge Asm
24	Pipe - Check Valve Gauge B	Tube - Clapet Manometre B MID	950037	
25	Pipe - Check Valve Gauge A	Tube - Clapet Manometre A MID	950038	
26	Meter LPG with Collector TM80	Mesureur GPL av Collecteur TM80	-	Refer to Meter & Pulser Assembly

4.1.4 Q510 LPG HYDRAULIC STACK ASSEMBLY (MID) (MANUFACTURED AFTER ???)



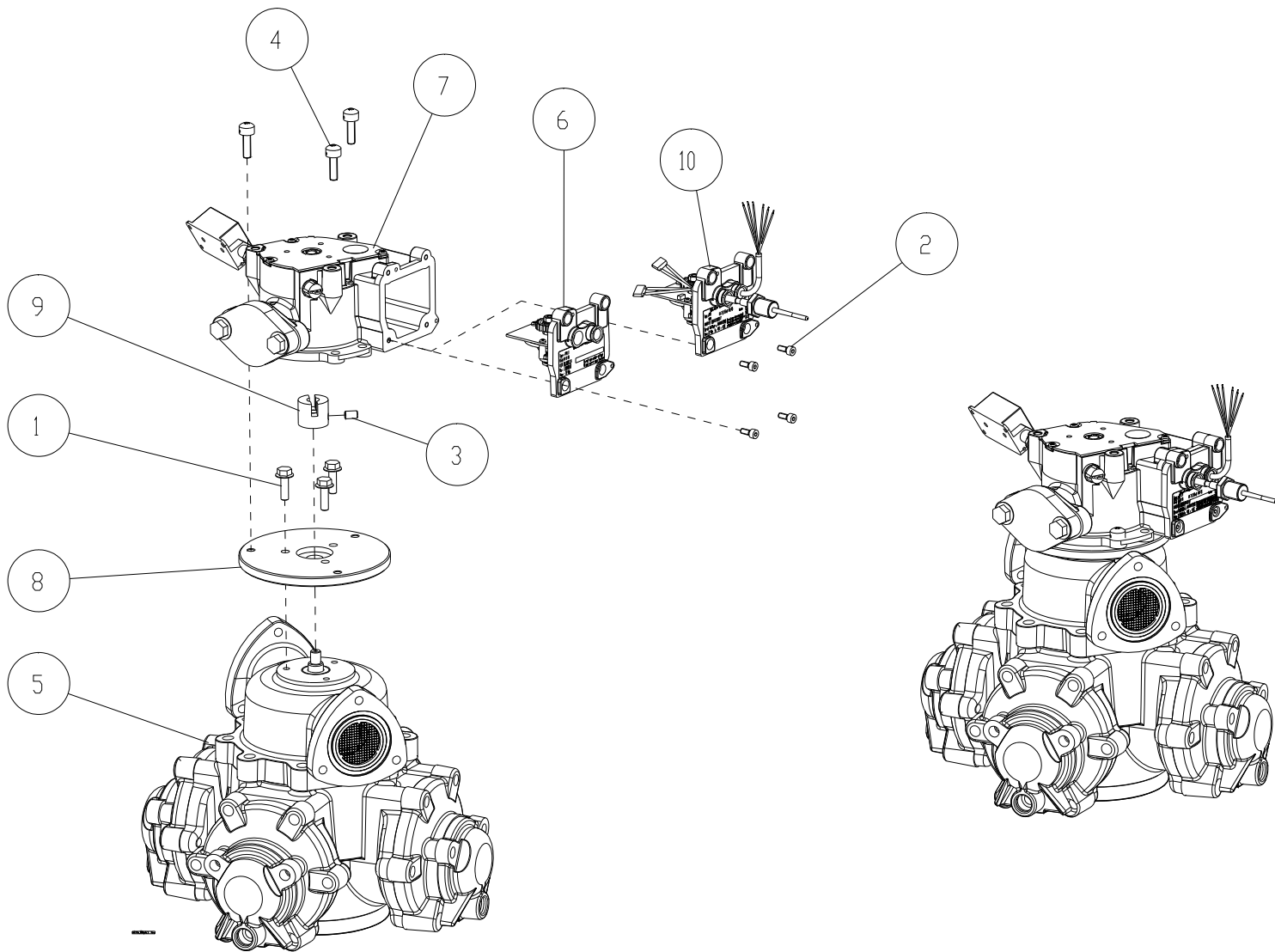
Item No	Description	Désignation Français	Part No	Comments
1	Washer Serr Lock Ext M8	rondelle à éventail M8	900009-002	
2	Nut hex M8	Ecrou hexagonal M8	900011-003	
3	Screw HH M8X20	Vis H M8X20	900015-018	
4	Screw HSHC M8x25	VIS CHC M8 x 25	900017-003	
5	O Ring 46 X 3	Joint torique 46 x3	900050-042	
6	O-Ring 29.3X3.6	Joint Torique 29.3X3.6	900050-077	
7	Support - connection pipes	Traverse maintien tuyauteries	903159	
8	U-Bolt 3/4"	Collier 3/4"	903160-001	
9	Elbow 90° 22 E02 X 3/4 NPT	Elbow 90° 22 E02 X 3/4 NPT	905145-001	
10	Valve assy gas phase	Vanne phase gazeuse	-	Refer to Gas Phase Valve Asm
11	Pipe meter A and B	Tube mesureur A et B	943964	
12	Gas return line Connection	Liaison degazeur Simpl. B MID	-	Refer to Gas Return Line Connection
13	Liquid phase line assy	Ligne phase liquide asm	-	Refer to Liquid Inlet Asm
14	Gas phase line assy	Ligne phase gazeuse asm	-	Refer to Gas Return Line Asm
15	Pipe Assy LPG stack/hose A Fr	Tube ens hydr-flex. A asm Fr	-	Refer to Pipe Asm
16	Pipe Assy LPG stack/hose B Fr	Tube ens hydr-flex. B asm Fr	-	Refer to Pipe Asm
17	Flange valve coupling	Bride vanne raccord droit	947666	
18	Flange inlet meter blank assy	Bride entree mesureur nu assy	-	Refer to Meter Inlet Flange Asm
19	Flange inlet meter simp std eq	Bride entree mes. simpl std eq	-	Refer to Meter Inlet Flange Asm
20	Diff valve gauge no MID equip	Vanne diff. non MID equipe	-	Refer to Diff. Valve & Gauge Asm
21	Diff valve gauge MID equiped	Vanne diff. MID equipe	-	Refer to Diff. Valve & Gauge Asm
22	Pipe Check valve gauge B MID	Tube clapet manometre B MID	950037	
23	Pipe Check valve gauge A MID	Tube clapet manometre A MID	950038	
24	Air separator PAM simpl eq	Degazeur PAM simpl equipe	-	Refer to Air Separator Asm
25	Pipe inlet sep.PAM simp MID	Tube entre degaz PAM simpl MID	-	Refer to Diff. Valve & Gauge Asm
26	Outlet separat.w/t filter 1-2	Sortie degaz. av filtre 1-2	-	Refer to Air Separator Outlet Asm
27	Meter LPG with Collector TM80	Meter LPG with Collector TM81	-	Refer to Meter & Pulser Asm

4.2 Differential Valve & Gauge Assemblies

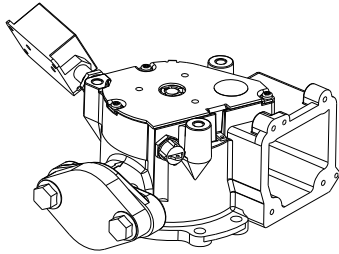


Item No	Description	Désignation Français	Part No	Comments
1	Screw HSHC M8x25	Vis CHC M8x25	900017-003	Obsolite After January 2014
2	Elbow M/F 3/4" NPT	Coude M/F 3/4" NPT	902362-001	Obsolite After January 2014
3	Adaptor Manometer	Embase pour Manometre	902984	
4	Gauge LT 50mm 0-40 Bar R1/4	Manometre GF 50mm 0-40 Bar R1/4	903033-002	
5	Screw HSHCD M8x25	Vis CHCP M8x25	903811-003	
6	Screw HSHC M8x20	Vis CHCP M8x20	903811-007	
7	Screw HSHC M8x60	Vis CHCP M8x60	903811-008	
8	Valve Rego 1/4" NPT	Soupape Rego 1/4" NPT	904198-001	
9	Flange - Male 3/4NPT w/o Groove	Bride Mâle 3/4 NPT (lg 35)	904461	Obsolite After January 2014
10	Straight Adapt BSP. 1/8"- 6mm	Adaptateur Droit 1/8" BSP - 6mm	907003-001	
11	Assembly Tee 6 x 6 x 1/8 NPT	Assemblage Te 6x6x1/8" NPT	907005	
12	Limit.Disharge Flow Assy Italy	Limiteur de Debit Asm Italy	909387	
13	Adaptor of Valve Rego 1/4" NPT	Clapet de Soupape Rego 1/4" NPT	941385-001	
14	Differential Valve LT	Vanne Differentielle GF	943166	
15	Diff Valve - Nitro Point Assy	Vanne Diff GPL - Purge Asm	947049	
16	Elbow Coupling Equal 6mm	Equerre Egal 6mm	947620-001	
17	Conn. Pres. Relief & Manometer	Embase Soupape & Manometre	948306	

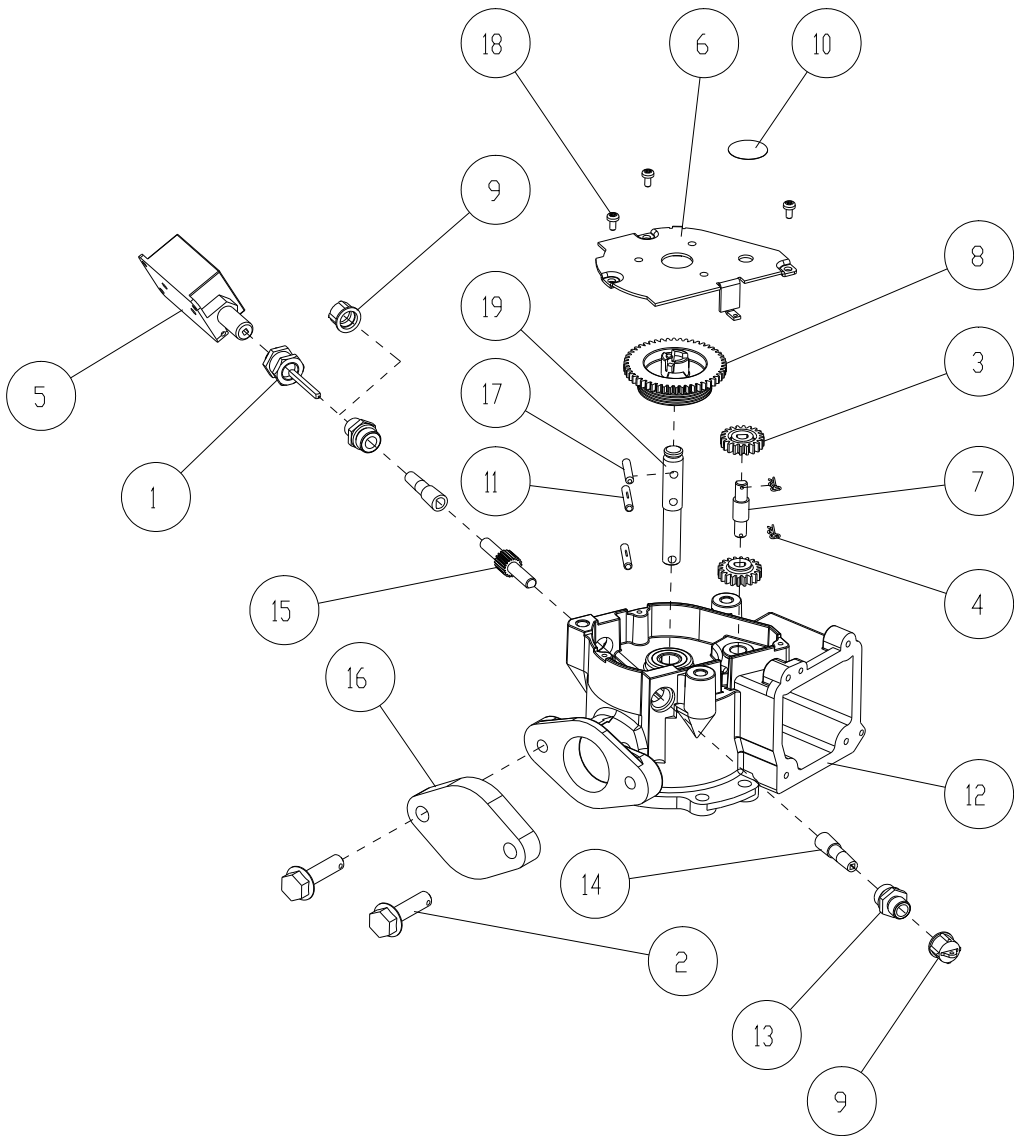
4.3 Meter & Pulser Assembly



Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M6x20	Vis Hex Br Autobl M6x20	900016-013	
2	Screw HSHC M4x10	Vis CHC M4x10	900017-025	
3	Screw HSS Cup Point M6x10	Vis HCCU M6x10	900019-001	
4	Self Tapp. Screw Torx M6x20 Drilled	Vis autot. tapt. Torx M6x20 Percé	902186	
5	Meter LPG 700	Mesureur GPL 700	902770	
6	Pulser MPT1 (CW) excl. Cable	Pulser MPT1 (CW) excl. Cable	941209	Stand Alone Models only Combo Models Only
	Pulser Cable (3.2m)	Pulser Cable (3.2m)	901936-001	
	Pulser Cable (4.5m)	Pulser Cable (4.5m)	901936-002	
7	Collector LPG with Totalizer	Collecteur GPL av Totalisateur	-	Refer to Collector Assembly
	Collector LPG w/o Totalizer	Collecteur GPL ss Totalisateur	-	
8	Bracket	Support	941755	
9	Pulser Driver TC	Entraîneur Emetteur TC	942027	
10	MPE-TC LPG with Cables Assy	MPE-TC GPL avec Cables Asm	942173	

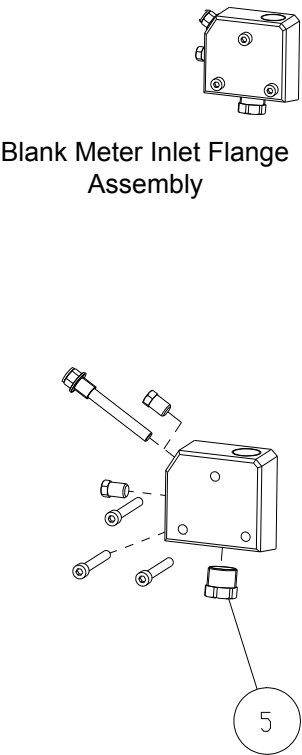
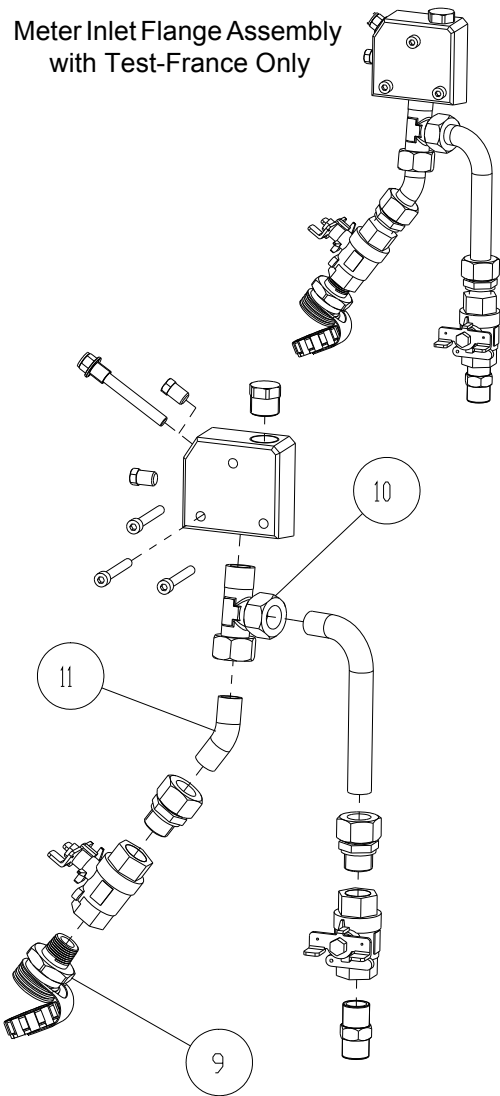
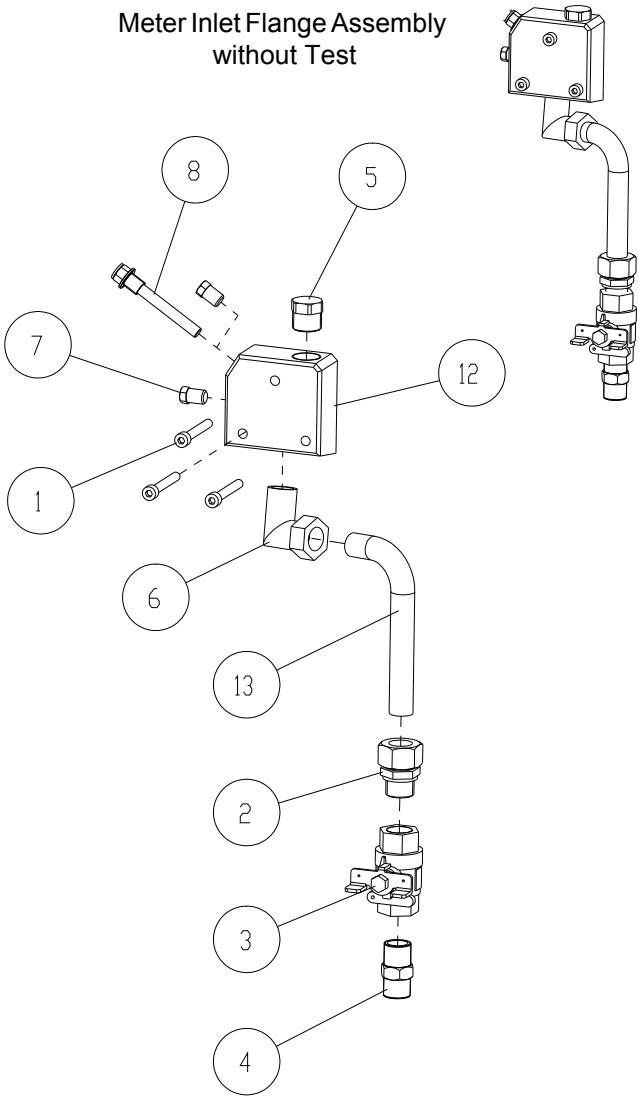


4.3.1 COLLECTOR ASSEMBLY



Item No	Description	Désignation Français	Part No	Comments
1	Coupling - Totaliser	Raccod Totalisateur	901090	
2	Screw Sealing M8x30	Vis de Plombage M8x30	902005	
3	Gear Wheel 20T	Pignon 20 Dents	903220	
4	Special Beta Pin	Goupille Beta Speciale	903227	
5	Mechanical Totaliser Left	Totalisateur meca. Gauche	907907-001	
	Mechanical Totaliser Right	Totalisateur meca. Droit	907907-002	
6	Top Plate	Tole de Protection	907987	
7	Gear Wheel Shaft	Axe Entraînement Emetteur	908017	
8	Drive Shaft Gear 50 Teeth	Pignon Sortie mes.50 Dents	908064	
9	Tote Plug Sealable SM80	Bouchon Plombage Totalisateur	908065	No Totaliser
10	Top Plate Label Diameter 20	Etiquette Diametre 20	908067	
11	Grooved Pins 4x20	Goupille Cannelle G6 4x20	908079-001	
12	Collector Bearing Assy	Collecteur Bagué asm	908087	
13	Totaliser Bearing	Palier Totalisateur	908162	
14	Tote Drive Adaptator	Adaptateur Sortie Totalisateur	908163	
15	Totaliser Shaft	Axe de Totalisateur	908164	
16	Flange Oval without Holes	Bride Ovale sans Trous	908456	
17	TQM Parallel Pin L=21mm	Goupille Paral L=21mm TQM	908720	
18	Screw Torx Ejot T10 d3x6	Vis Torx Ejot T10 d3x6	909903-001	
19	Shaft	Axe	941756	

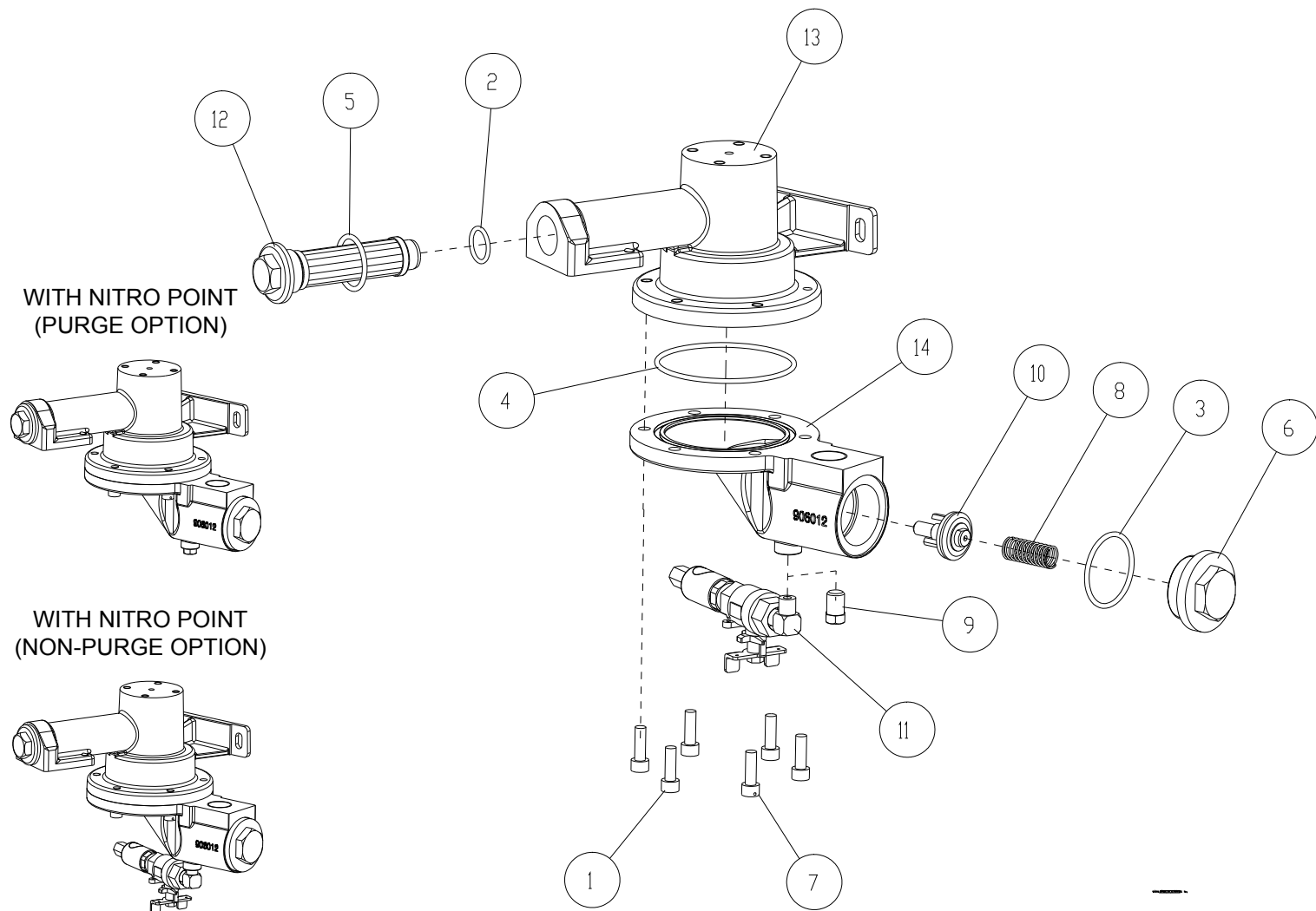
4.4 Meter Inlet Flange Assemblies



Item No	Description	Désignation Français	Part No	Comments
1	Screw HSHC M8x60	Vis CHC M8x60	900017-019	
2	Coupling Str. Male 3/4" NPT x 22mm	Raccord dr. Mal 3/4" NPT x 22mm	903297-001	
3	Valve- B/fly 1/4 Turn Ball 3/4" NPT	Vanne Boiss Spher. PAP. 3/4" NPT	904243	
4	Nipple - 3/4" NPT	Mamelon 3/4" NPT	904470-002	
5	PLug - Male 3/4"NPT	Bouchon Male 3/4 NPT	904593	
6	Elbow 90° 22 EO2 x 3/4NPT	Coude 90° 22 EO2 x 3/4NPT	905145-001	
7	Plug Male 1/4" NPT	Bouchon Mâle 1/4" NPT	906477-001	
8	Control Kit TC Probe LPG	Kit Controle TC Sonde GPL	946121	Auto. Temp. Compensation option
9	ACME Conn. W/O Valve	Raccord ACME sans Clapet	946226	France only
10	Tee Equal M/F/F Diam 22 3/4 NPT	Rac. TE M/F/F Diam 22 3/4 NPT	947809-001	
11	Pipe Meter Hose Connection	Tube Meter Connect. Flex Raccord	947819	
12	Flange Inlet Meter Machined	Bride Entrée Mesureur Usine	948506	
13	Pipe Inlet Meter Simplified	Tube Entree Mesureur Simpl.	949739	

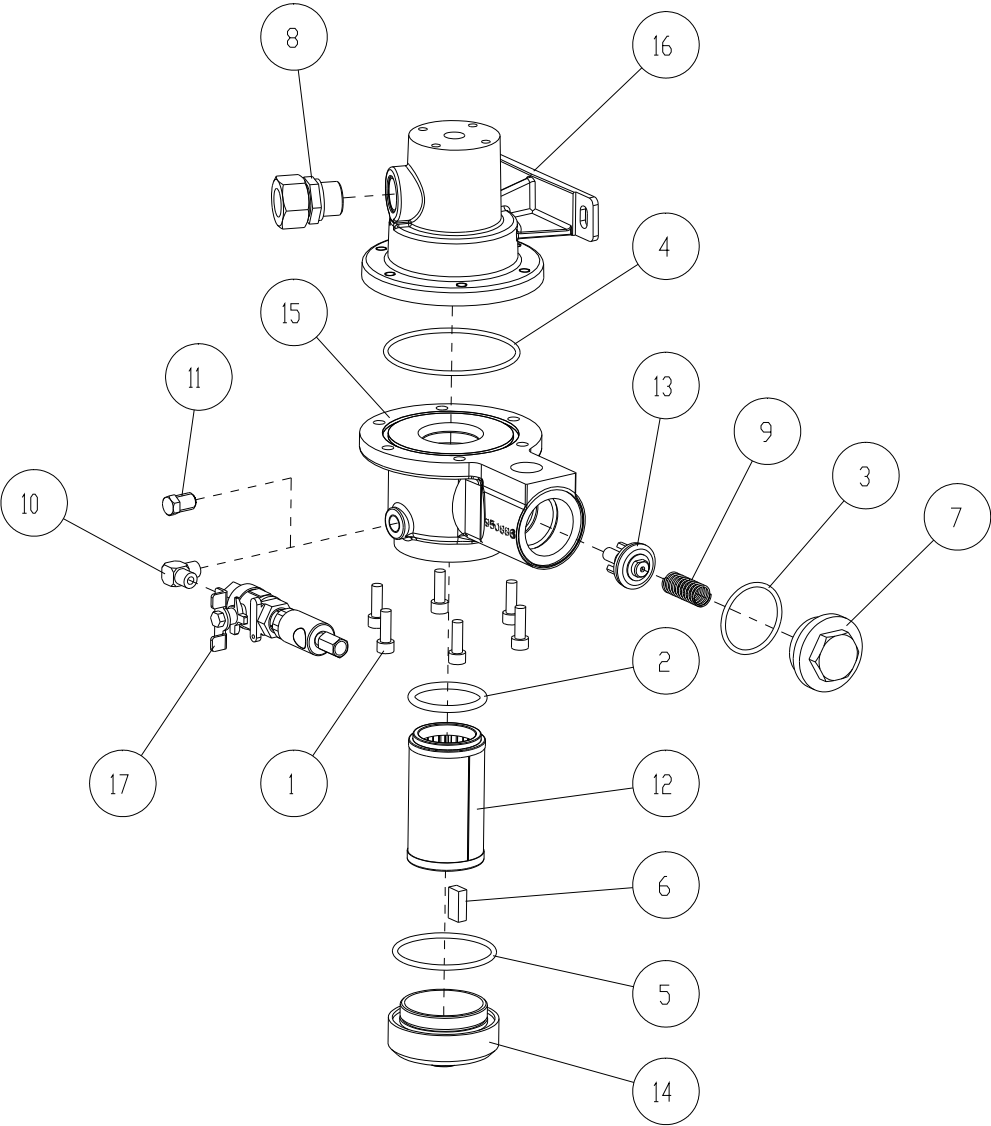
4.5 Air Separator Assemblies

4.5.1 AIR SEPARATOR ASSEMBLY (MANUFACTURED BEFORE ???)

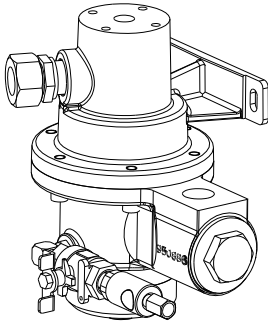


Item No	Description	Désignation Français	Part No	Comments
1	Screw HSHC M8x25	Vis CHC M8x25	900017-003	
2	O-Ring 22 x 3	Joint Torique 22 x 3	900050-073	
3	O-Ring 50.4 x 3.5	Joint Torique 50.4 x 3.5	900050-074	
4	O-Ring 98 x 3.5	Joint Torique 98 x 3.5	900050-075	
5	O-Ring 35.6 x 3.6	Joint Torique 35.6 x 3.6	900050-078	
6	Plug LPG	Obturateur GPL	902730	
7	Screw HSHCD M8x25	Vis CHCP M8x25	903811-003	
8	Spring (Diff. Valve)	Ressort	904636	
9	Plug Male 1/4" NPT	Bouchon Mâle 1/4" NPT	906477-001	
10	Mounted Checkvalve LT	Clapet Anti Retour Monte GF	943307	
11	LPG Air Sep - Nitro Point Assembly	Purge Dégazeur GPL	947048	
12	Filter Air Separator Assy	Filtre du Dégazeur	947096	
13	Body Machined Air Sep Simplified	Corps Usiné Degazeur	949219	
14	Brack.LPG Check Valve Machined	Support Clapet GPL Usiné	949718	

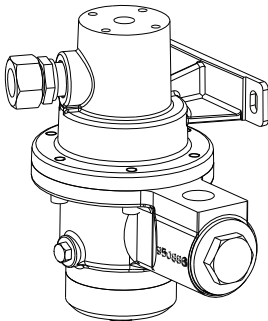
4.5.2 AIR SEPARATOR ASSEMBLY (MANUFACTURED AFTER ???)



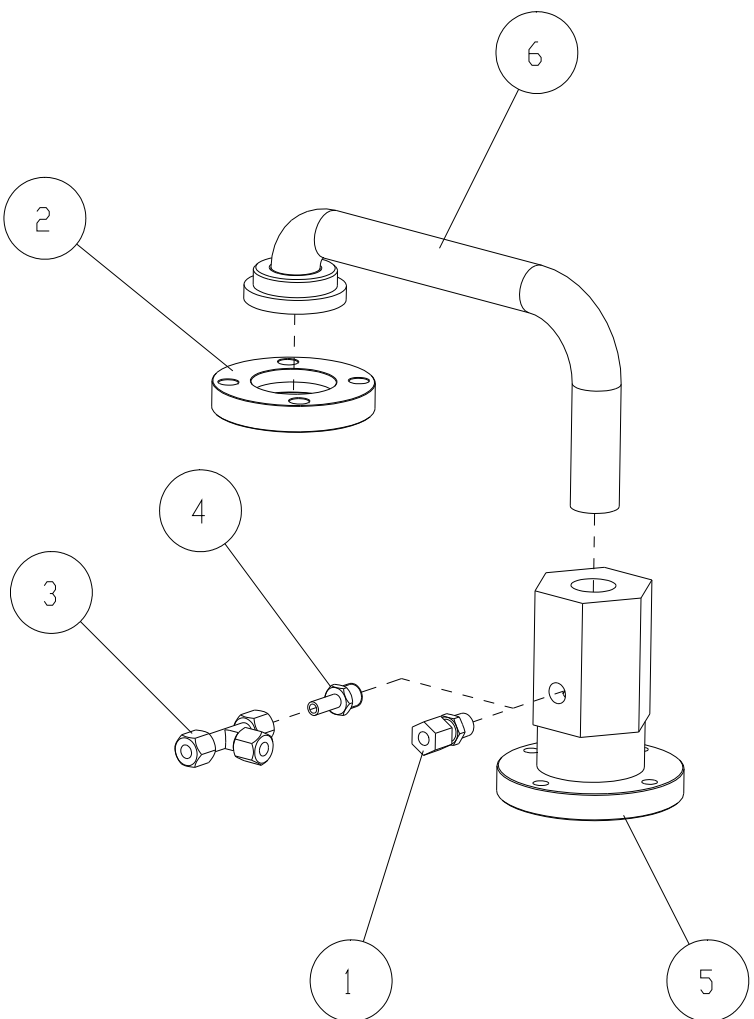
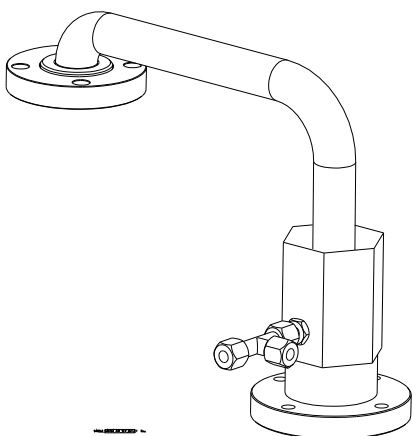
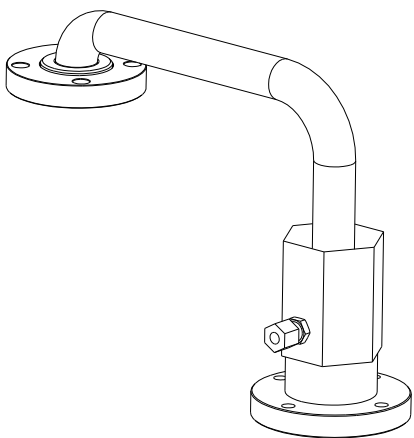
WITH NITRO POINT
(PURGE OPTION)



WITH NITRO POINT
(NON-PURGE OPTION)



Item No	Description	Désignation Français	Part No	Comments
1	Screw HSHC M8x25	Vis CHC M8x25	900017-003	
2	O-ring 50.17 x 5.33	Joint Torique 50.17 x 5.33	900050-031	
3	O-Ring 50.4 x 3.5	Joint Torique 50.4 x 3.5	900050-074	
4	O-Ring 98 x 3.5	Joint Torique 98 x 3.5	900050-075	
5	O-Ring 72 x 4	Joint Torique 72 x 4	900050-082	
6	Nozzle Switch Magnet	Aimant Interrupteur Injecteur	900092	
7	Plug LPG	Obturateur GPL	902730	
8	Coupling Str. Male 3/4" NPT x 22mm	Raccord dr. Mal 3/4" NPT x 22mm	903297-001	
9	Spring (Diff. valve)	Ressort	904636	
10	Elbow M/M 1/4" NPT	Coude M/M 1/4" NPT	905897-001	
11	Plug Male 1/4" NPT	Bouchon Mâle 1/4" NPT	906477-001	
12	Internal Filter In->Out 25	Filtre Interne Int->Ext 25	943036-001	
13	Mounted Checkvalve LT	Clapet Anti Retour Monte GF	943307	
14	Filter Plug PAM	Bouchon de Filtre PAM	950742	
15	PAM Filter below Separator Machined	Filtre PAM sous Degazeur Usine	950887	
16	Air Separator PAM Simplified	Degazeur PAM Simplifie	950996	
17	Nitro Point w/out Plug	Purge sans Raccord asm	951365	

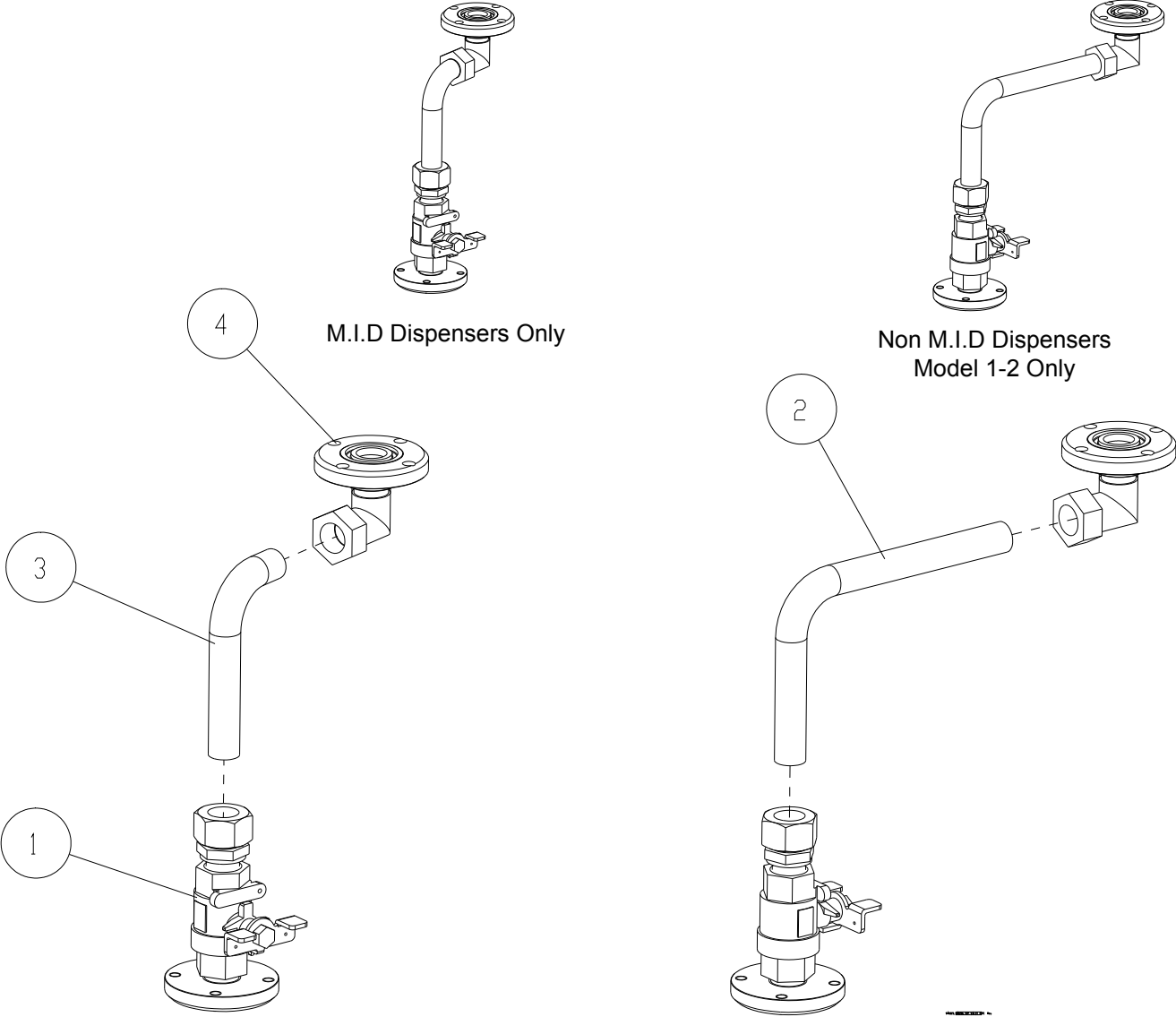


4.6 Air Separator Outlet Assemblies

Item No	Description	Désignation Français	Part No	Comments
1	Straight Compr 1/8NPT - 6mm	Rac Piq Male 6 - 1/8 NPT	900032-006	
2	Flange - Gas Pipe Fixing	Bride Fixation Tubulure Gaz	904655	
3	Tee Equal 6mm	Té Egal 6mm	907002-001	Model 1-2 MID only
4	Straight Adapt BSP. 1/8"- 6mm	Adaptateur Droit 1/8" BSP - 6mm	907003-001	Model 1-2 MID only
5	Check Valve - Outlet Air Sep,	Clap. Anti Ret.Sorti Degaz	949695	
6	Pipe - Gas Phase Weld Simple	Tube - Phase Gazeuse Soudé	949741	



4.7 Air Separator Valve Pipe Assemblies

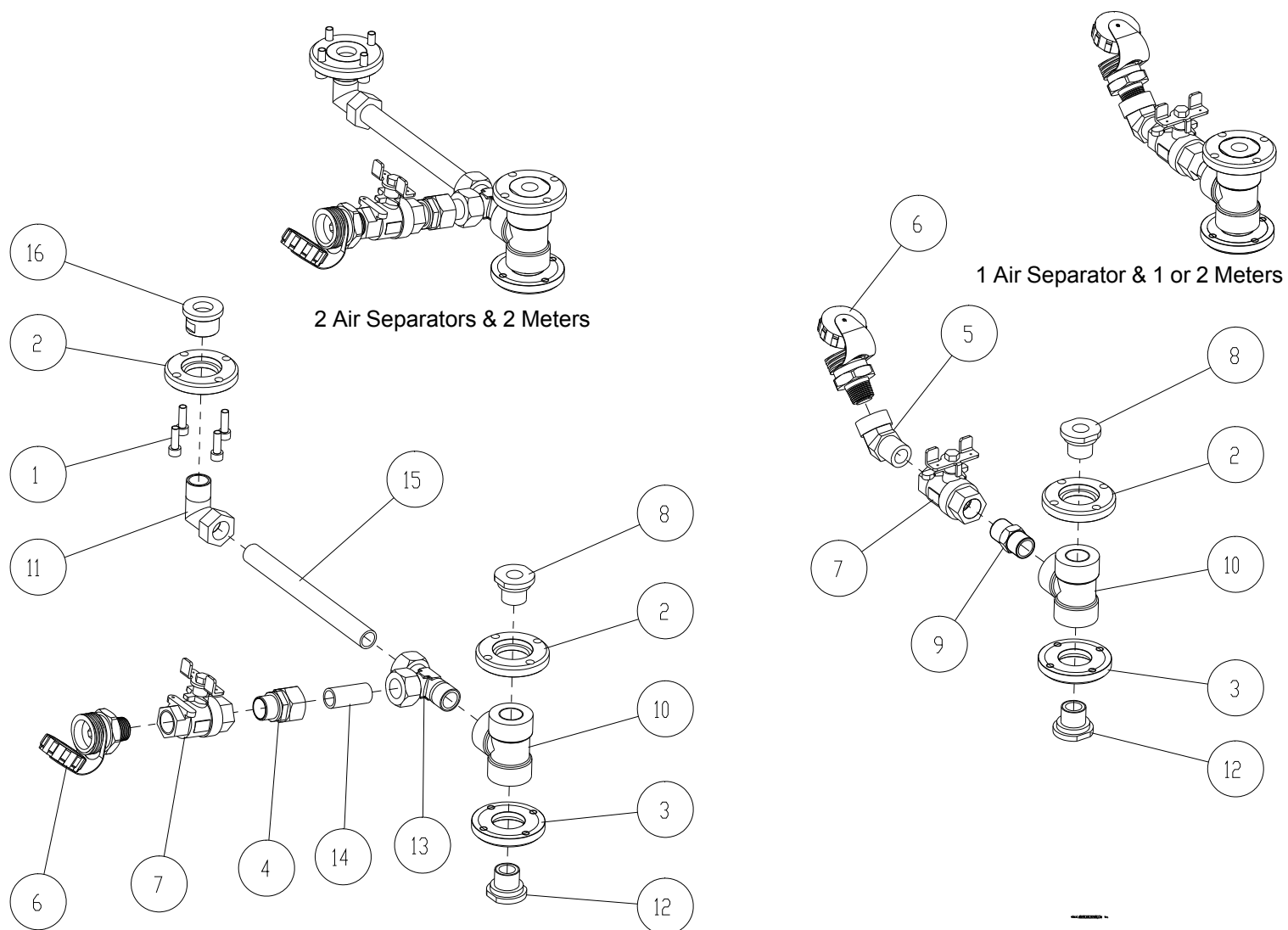


Item No	Description	Désignation Français	Part No	Comments
1	Flange Valve Coupling	Bride Vanne Raccord Droit	947666	
2	Pipe Air Separator Valve Not MID	Tube Vanne Degazeur Non MID	947757	
3	Pipe Air Separator Valve	Tube Vanne Dégazeur	948104	
4	Flange Adaptor Elbow with Groove	Bride Raccord Coude av Gorge	949224	



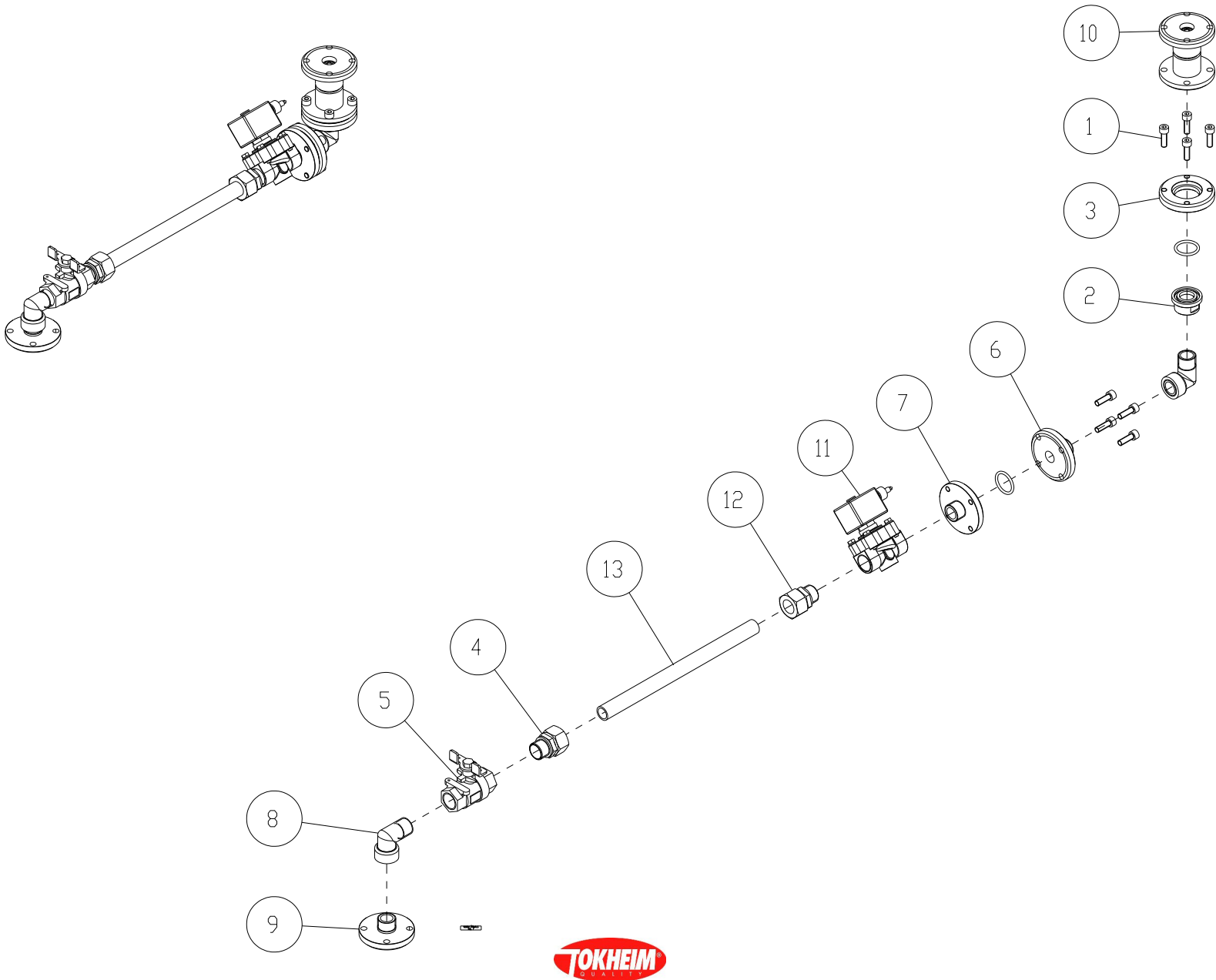
4.8 Gas Return Line Connections

4.8.1 GAS RETURN LINE CONNECTIONS - MANUFACTURED BEFORE JANUARY 2013



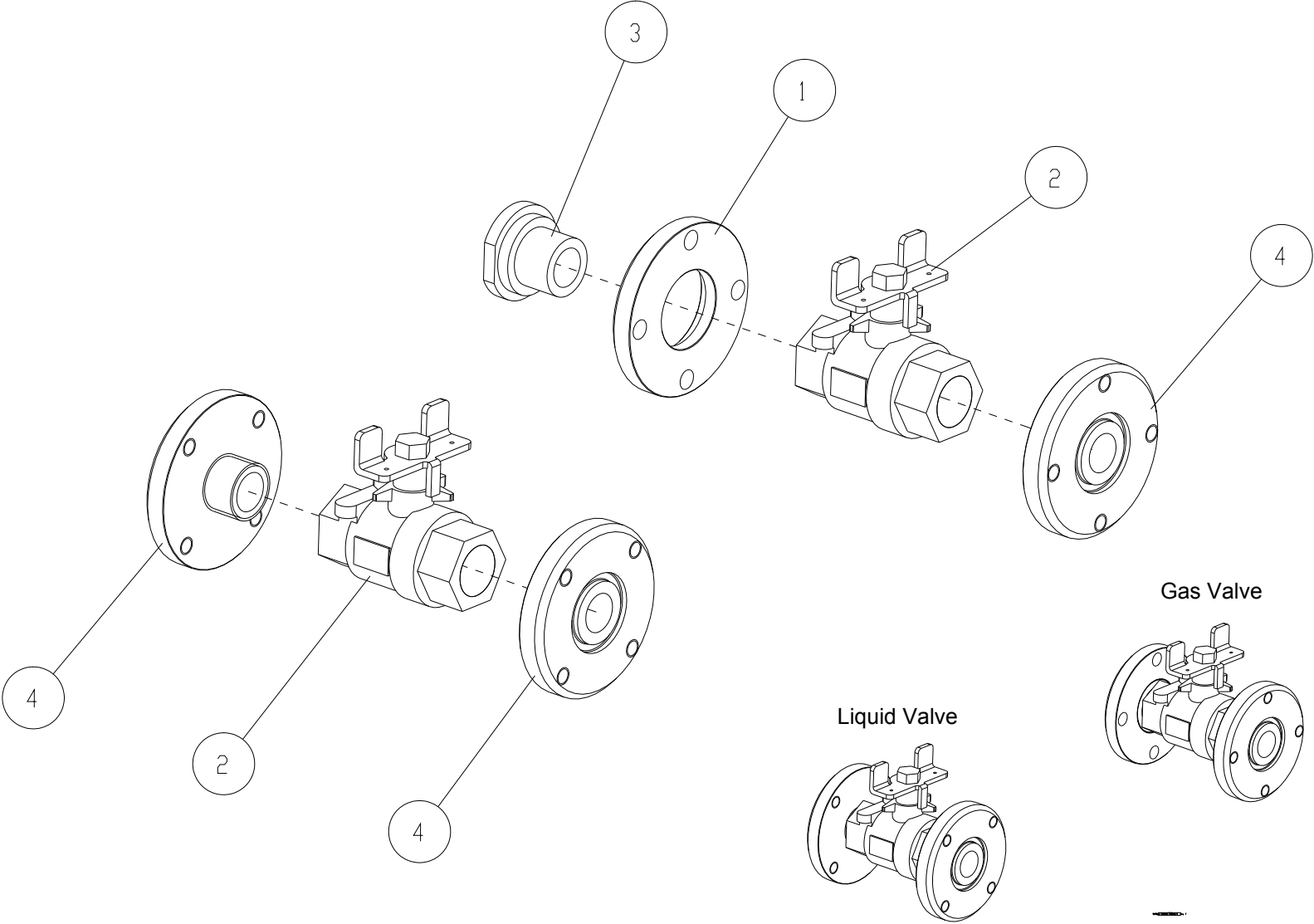
Item No	Description	Désignation Français	Part No	Comments
1	Screw HSHC M8x25	Vis CHC M8x25	900017-003	
2	Flange - Rotating	Bride Tourante Trous Lisses	902400	
3	Flange - Rotating Threaded	Bride Tourante Trou Taraude	902945	
4	Coupling Str. Male 3/4" NPT x 22mm	Raccord dr. Mal 3/4" NPT x 22mm	903297-001	
5	Elbow 45 deg. MF 3/4" NPT	Courbe 45 ang. MF 3/4" NPT	904187-002	
6	Valve Double Check Filler LPG	Clapet Anti -Retour Double LPG	904203	
7	Valve- B/fly 1/4 turn Ball 3/4"NPT	Vanne Boiss Spher. PAP. 3/4" NPT	904243	
8	Adaptor - Male 3/4"NPT w/o Groove	Embout Male 3/4 NPT SS Gorge	904261	
9	Nipple - 3/4" NPT	Mamelon 3/4" NPT	904470-002	
10	Tee F/F/F 3/4"NPT	Raccord TE Femelle 3/4 NPT	904527	
11	Elbow 90° 22 EO2 x 3/4NPT	Coude 90° 22 EO2 x 3/4NPT	905145-001	
12	Adaptor Male 3/4"NPT with Groove	Embout Male 3/4 NPT av Gorge	940451	
13	Tee Equal M/F/F Diam 22 3/4NPT	Rac. TE M/F/F Diam 22 3/4 NPT	947809-001	
14	Pipe Te Valve	Tube Te Vanne	949029	
15	Pipe - Gas phase diam 22	Tube phase gazeuse diam 22	955154	
16	Adaptot Female 3/4 NPT LG 27.7	Embout Femelle 3/4 NPT LG 27.7	949032	

4.8.2 GAS RETURN LINE CONNECTIONS - MANUFACTURED AFTER DECEMBER 2014



Item No	Description	Désignation Français	Part No	Comments
1	Screw HSHC M8x25	VIS CHC M8 x 25	900017-003	
2	Adaptor F 3/4 NPT grooved	Embout F 3/4 NPT avec gorge	902944	
3	Flange - rotating threaded	Bride tournante trou taraude	902945	
4	Coupling Str.Male Stud 3/4 NPT	Raccord Dr. Mal Goujon 3/4 NPT	903297-001	
5	Valve- b/fly 1/4 turn 3/4"NPT	Vanne boiss pap. 3/4" NPT	904243	
6	Flange - male 3/4NPT w/o groov	Bride male 3/4NPT (lg 35)	904461	
7	Flange - male 3/4NPT w groove	Bride electrovanne male 3/4NPT	904462	
8	Elbow M/F 90° 3/4" NPT	Coude M/F 90° 3/4" NPT	904463-001	
9	Flange-male 3/4"NPT w/o groove	Bride male 3/4"NPT (lg 30)	904880	
10	LPG Valve Shear Flanged LT	Racc. sécurité GPL Grand Froid	943171	
11	Valve ASCO simple 230v assy	Electrov.ASCO simple 230v asm	950582	
12	Valve EV ASCO 230v Ph G assy	Electrov.ASCO 230v Ph G asm	955151	
13	Pipe - Gas phase diam 22	Tube phase gazeuse diam 22	955154	

4.9 Gas Phase Valve Assemblies



Liquid Valve

Gas Valve

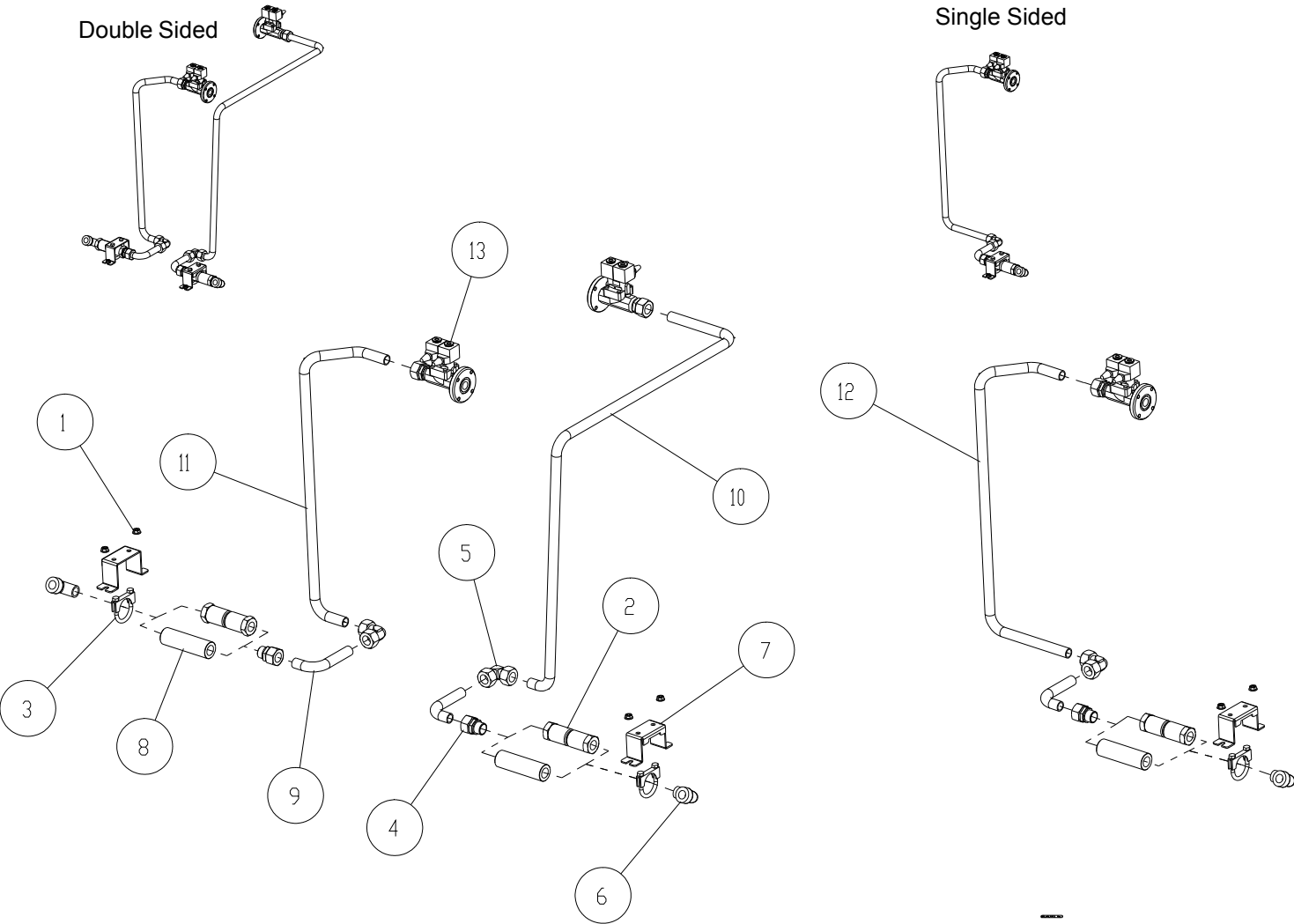


Item No	Description	Désignation Français	Part No	Comments
1	Flange - Rotating	Bride Tournante Trous Lisses	902400	France only
2	Valve- b/fly 1/4 Turn Ball 3/4"NPT	Vanne Boiss Spher. PAP. 3/4"NPT	904243	
3	Adaptor - Male 3/4"NPT w/o Gr	Embout Male 3/4 NPT SS Gorge	904261	France only
4	Flange - Male 3/4NPT w Groove	Bride Electrovanne Mâle 3/4 NPT	904462	



4.10 Valve to Hose Pipe Assemblies

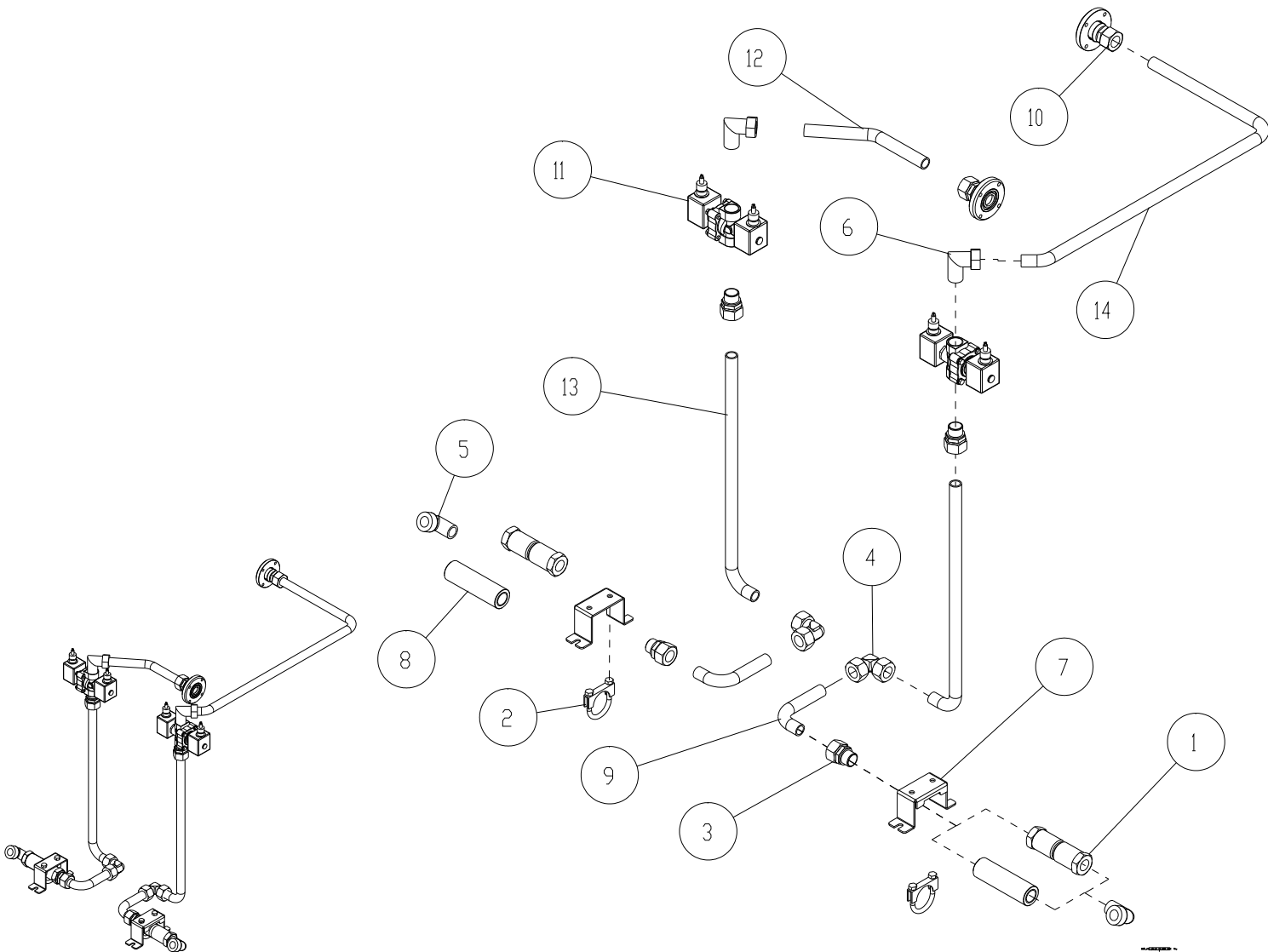
4.10.1 VALVE TO HOSE PIPE ASSEMBLY (MANUFACTURED BEFORE ???)



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
2	Break coupling - 3/4" NPT	Raccord cassant 3/4" NPT	902363-001	France only
3	Clamp 42mm	Clamp 42mm	903184	
4	Coupling Str. Male 3/4" NPT x 22mm	Raccord dr. Mal 3/4" NPT x 22mm	903297-001	
5	22mm Elbow EO2	22mm Coude EO2	903689-001	
	22mm Elbow EO2	22mm Coude EO2	903689-001	
6	Elbow M/F 90 Deg	Coude M/F 90 Deg	904463-001	
7	Bracket Break Coupling Hose	Support Raccord Cassant Flex	944310	
8	Socket 3/4" NPT M/M lg=127mm	Douille 3/4 NPT M/M lg=127mm	944311	
9	LPG Pipe Asco Valve to STD Out	LPG Pipe Asco Valve to STD Out	954889	
10	Pipe LPG Stack - Hose A	Tube ens Hydr - Flexible A	947523	
11	Pipe LPG Stack - Hose B	Tube ens Hydr - Flexible B	947524	
12	Pipe LPG Stack - Hose A	Tube ens Hydr - Flexible A	947529	
13	Sub Assy Diff Valve 2S Coupl R	Sous Asm Vanne Diff 2B Raccor D	949814	Refer to Valve Assemblies



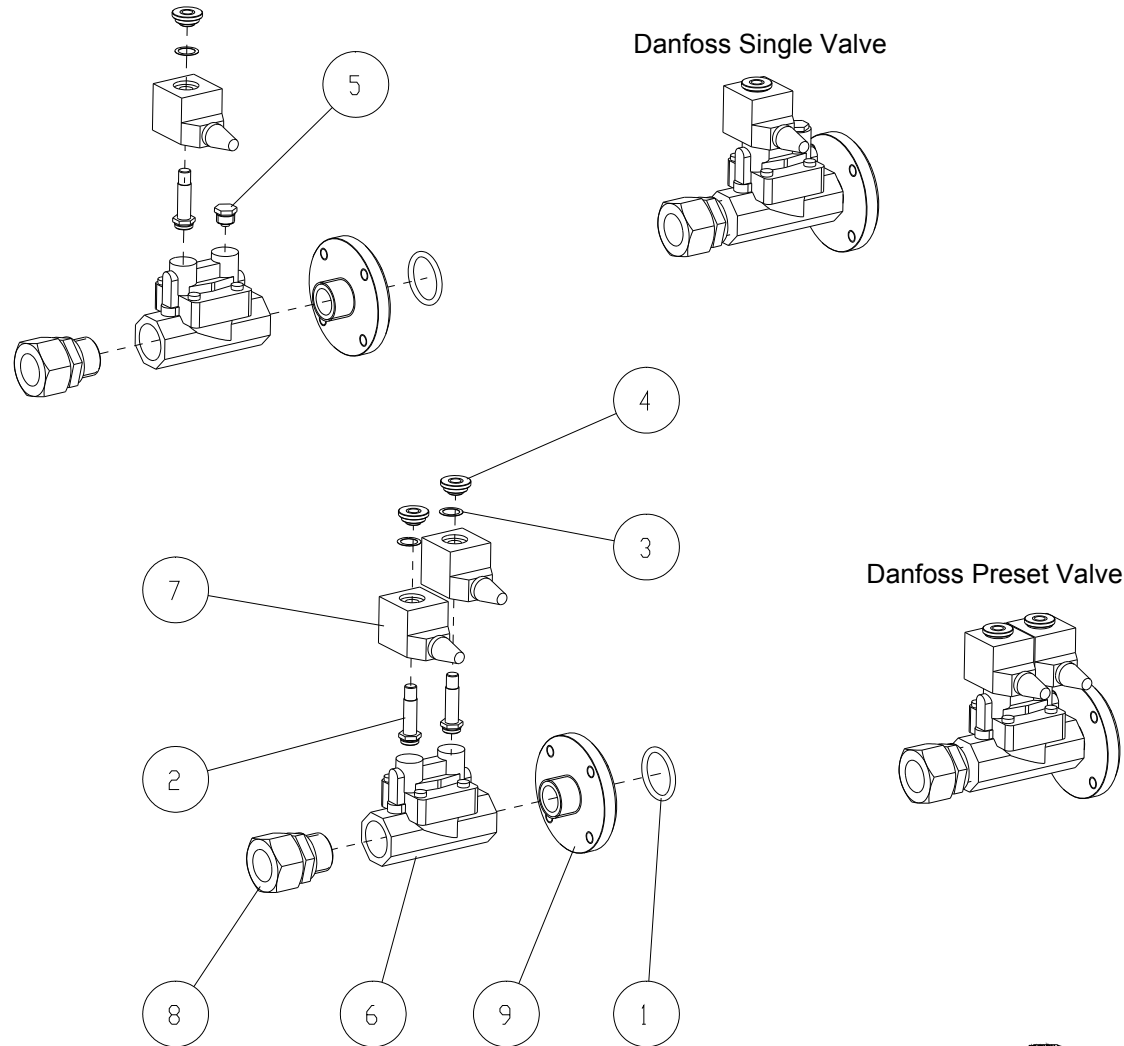
4.10.2 VALVE TO HOSE PIPE ASSEMBLY (MANUFACTURED AFTER ???)



Item No	Description	Désignation Français	Part No	Comments
1	Break coupling 3/4" NPT	Raccord cassant 3/4 NPT	902363-001	France only
2	Clamp 42mm	Clamp 42mm	903184	
3	Coupling Str.Male Stud 3/4 NPT	Raccord Dr. Mal Goujon 3/4 NPT	903297-001	
4	22mm Elbow EO2	22mm Coude EO2	903689-001	
5	Elbow M/F 90° 3/4" NPT	Coude M/F 90° 3/4" NPT	904463-001	
6	Elbow 90° 22 EO2 x 3/4NPT	Coude 90° 22 EO2 x 3/4NPT	905145-001	
7	Bracket break coupling hose	Support raccord cassant flex	944310	
8	Socket 3/4 NPT F/F lg=127mm	Douille 3/4 NPT F/F lg=127 mm	944311	
9	Pipe break coupling A and B	Tube raccord cassant A et B	944313	
10	Flange adaptor coupl wt gr ass	Bride racc droit av gorge asm	950527	
11	Valve ASCO double 230v assy	Electrov. ASCO double 230v asm	950583	Refer to ASCO Valve Asm
12	Pipe inlet EV asco meter A	Tube entree EV asco mes A	950620	
13	Pipe outlet EV asco	Tube sortie EV asco	950621	
14	Pipe inlet EV asco meter B	Tube entree EV asco mes B	950622	

4.11 Valve Assemblies

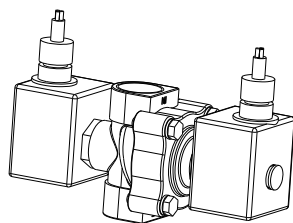
4.11.1 DANFOSS VALVE ASSEMBLY



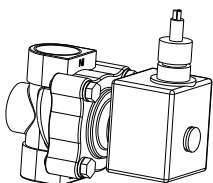
Item No	Description	Désignation Français	Part No	Comments
1	O-Ring 29.3 x 3.6	Joint Torique 29.3 x 3.6	900050-077	
2	Plungerhouse + Plunger	Plongeur Complete	900723	
3	Spring for Plunger	Ressort de Plongeur	900724	
4	Nut for Plunger	Ecrou par Plongeur	900725	
5	Stop + Seal Inline Valve	Bouchon Soupape	900726	
6	Valve Body 3/4" LPG	Electrovanne Corps 3/4" GLP	902637	
7	Coil 24V	Bobine 24V	902646	
8	Coupling Str. Male 3/4" NPT	Raccord dr. Mal 3/4" NPT x 22mm	903297-001	
9	Flange - Male 3/4NPT with Groove	Bride Electrovanne Mâle 3/4 NPT	904462	



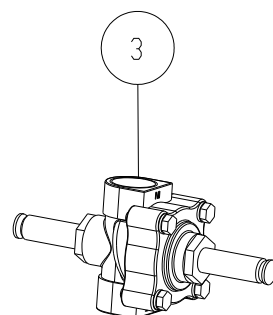
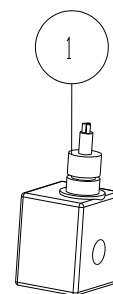
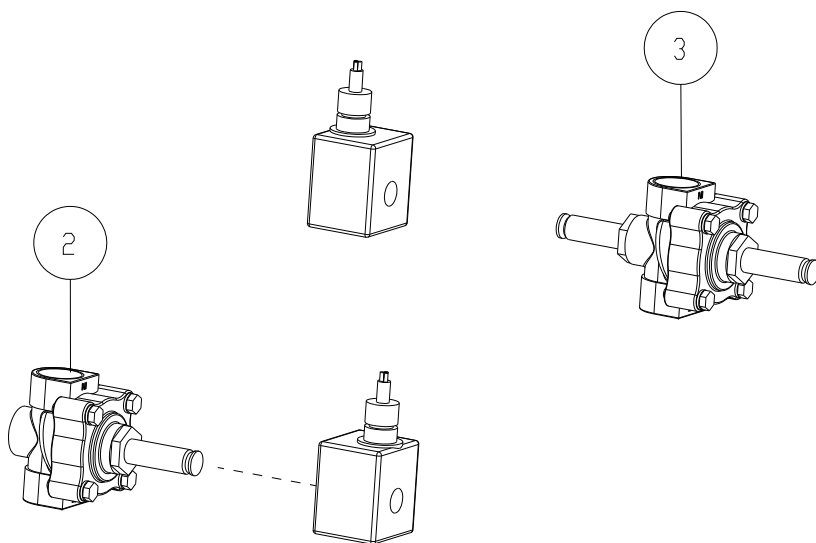
4.11.2 ASCO VALVE ASSEMBLY



ASCO Preset Valve



ASCO Single Valve

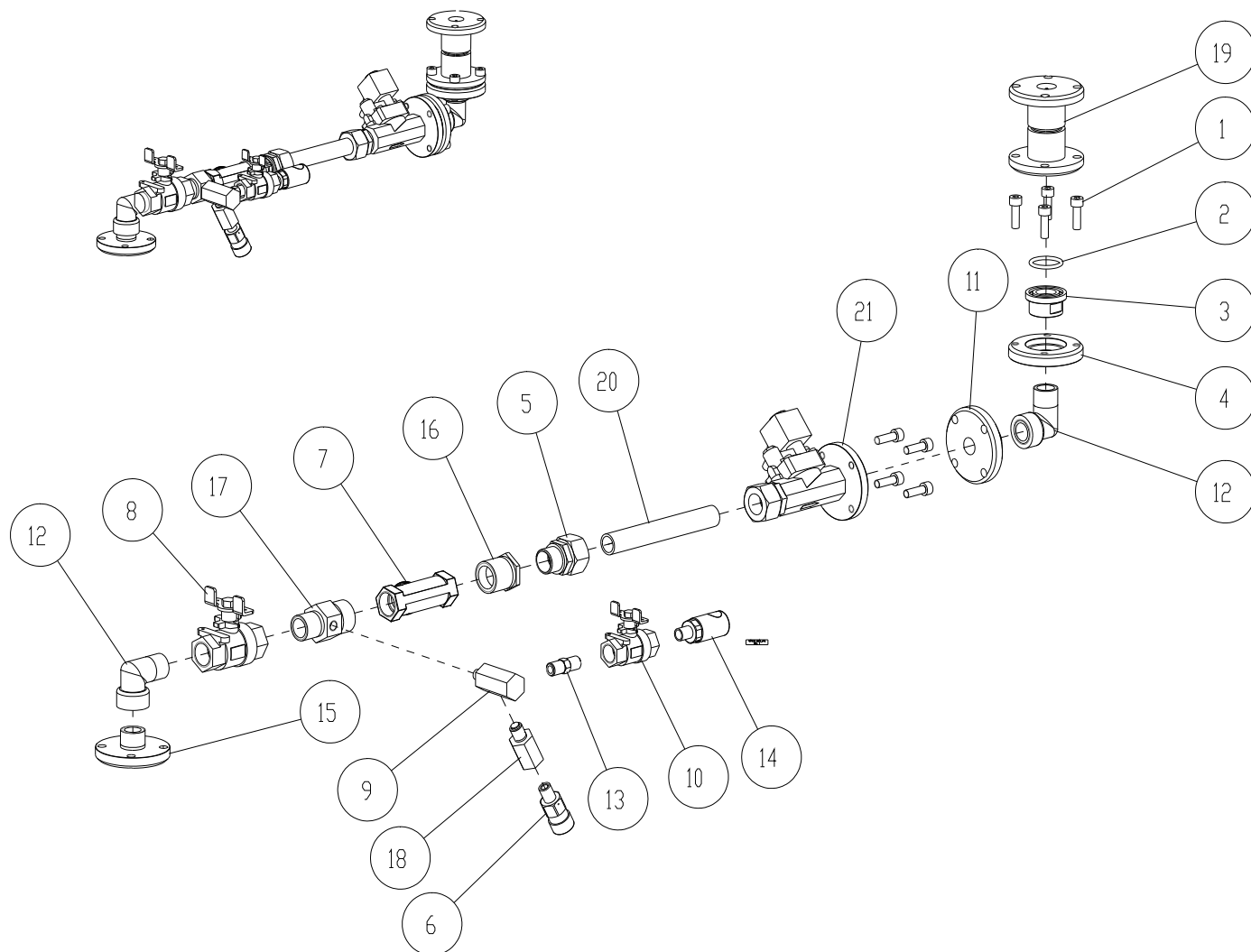


Item No	Description	Désignation Français	Part No	Comments
1	Solenoid ASCO 230volt	Bobine. ASCO 230volt	950579	
2	Valve body ASCO simple	Corps electrov. ASCO simple	950580	
3	Valve body ASCO double	Corps Electrov. ASCO double	950581	



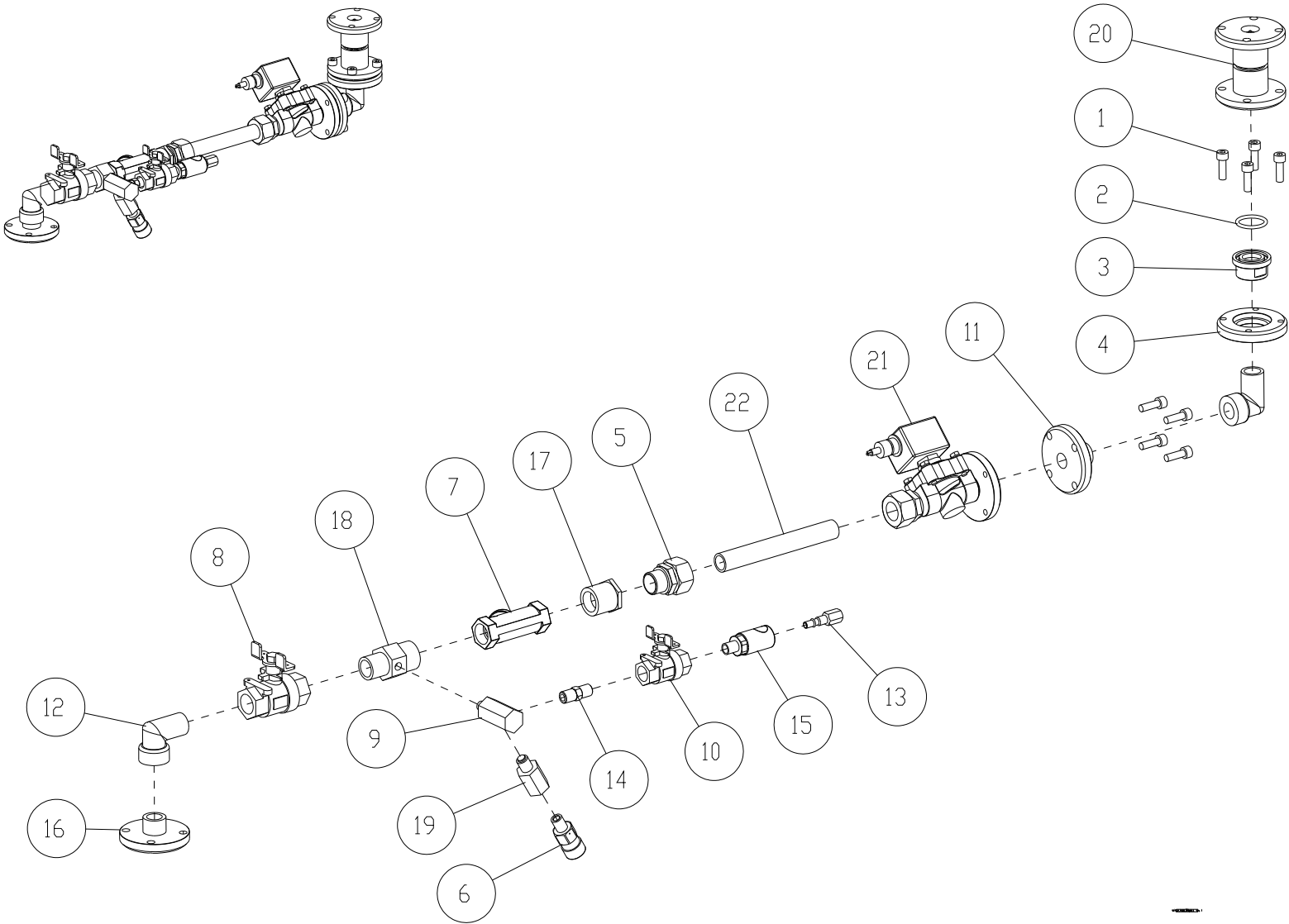
4.12 Liquid Inlet Assemblies

4.12.1 DANFOSS LIQUID INLET ASSEMBLY



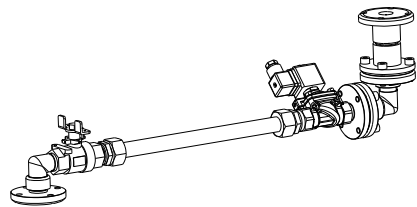
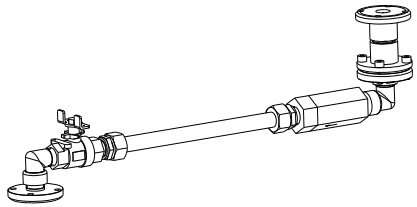
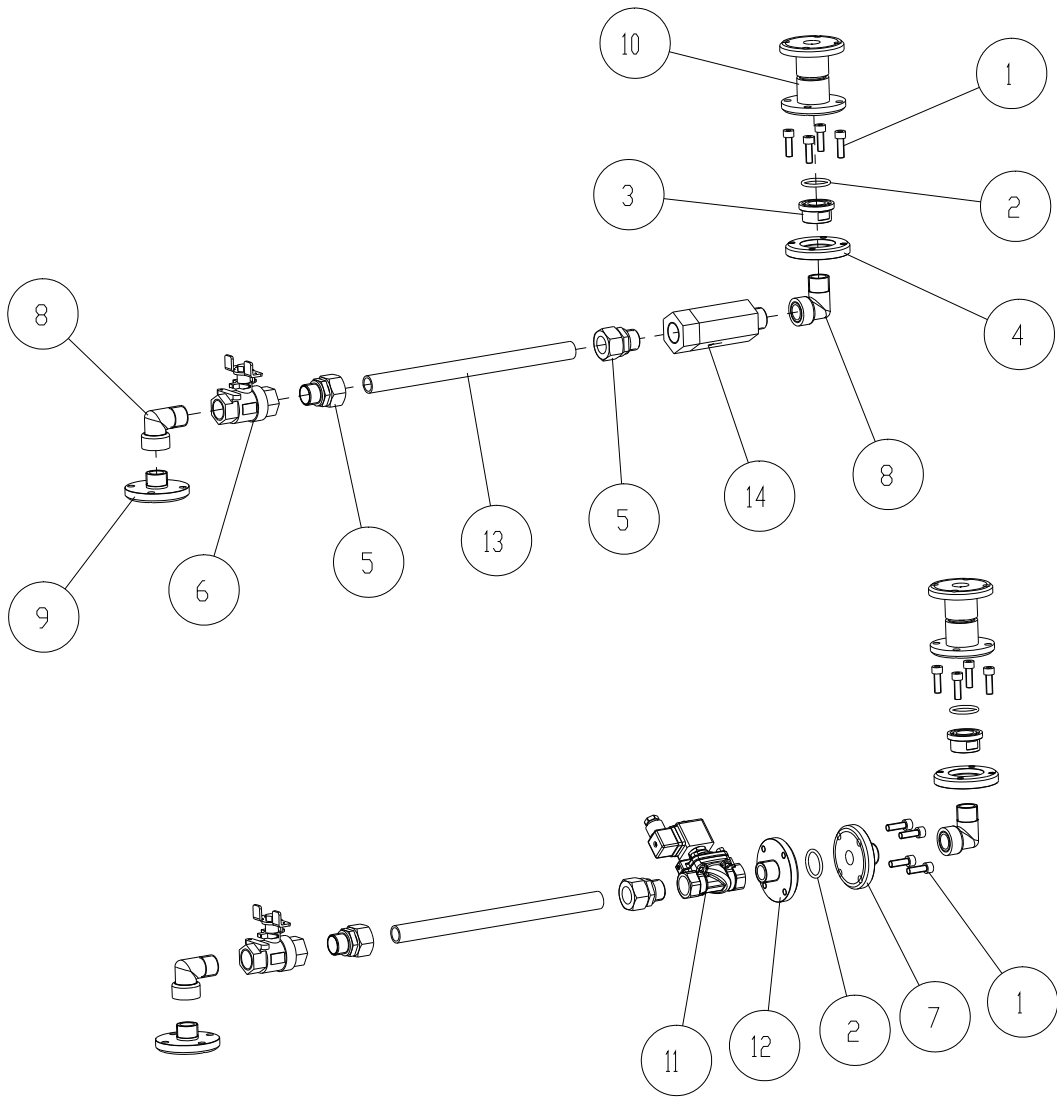
Item No	Description	Désignation Français	Part No	Comments
1	Screw HSHC M8x25	Vis CHC M8x25	900017-003	
2	O-Ring 29.3 x 3.6	Joint Torique 29.3 x 3.6	900050-077	
3	Adapter F 3/4 NPT Grooved	Embout F 3/4 NPT avec Gorge	902944	
4	Flange - Rotating Threaded	Bride Tournante Trou	902945	
5	Coupling Str. Male 3/4" NPT x 22mm	Raccord dr. Mal 3/4" NPT x 22mm	903297-001	
6	Valve Rego 1/4" NPT	Soupape Rego 1/4" NPT	904198-001	
7	Y Strainer Screwed 1" NPT	Filtre Y 1" NPT	904241-002	
8	Valve- B/fly 1/4 Turn Ball 3/4" NPT	Vanne Boiss Spher. PAP. 3/4" NPT	904243	
9	Adaptor NPT 1/8" x 1/4" x 1/4"	Adapteur NPT 1/8" x 1/4" x 1/4"	904255	
10	Valve - 1/4 Turn Ball 1/4" NPT	Vanne Boiss Spheriq 1/4" NPT	904460	
11	Flange - Male 3/4NPT w/o Groove	Bride Mâle 3/4 NPT (LG 35)	904461	
12	Elbow M/F 90 deg	Coude M/F 90 deg	904463-001	
13	Nipple - 1/4" NPT	Mamelon 1/4" NPT	904470-001	
14	Coupling-QR Male Staubli 1/4 NPT	Raccord Staubli Male 1/4 NPT	904639	
15	Flange - Male 3/4NPT w/o Groove	Bride Mâle 3/4 NPT (LG 30)	904880	
16	Reducer Male 1" / Female 3/4"	Red. Male 1" / Femelle 3/4"	906469-001	
17	Reducer Male 3/4" - Male 1"	Réducteur Mâle 3/4" - Mâle 1"	906470	
18	Adaptor of Valve Rego 1/4" NPT	Clapet de Soupape Rego 1/4"NPT	941385-001	
19	LPG Valve Shear Flanged LT	Raccord Sécurité GPL GF	943171	
20	Liquid Phase Pipe 22mm	Tube Phase Liquide Diam 22mm	947030	
21	Sub Assy Valve Phase Liquid	Sous Asm EV Phase Liquide	-	Refer to Danfoss Valve Asm

4.12.2 ASCO LIQUID INLET ASSEMBLY



Item No	Description	Désignation Français	Part No	Comments
1	Screw HSHC M8x25	VIS CHC M8 x 25	900017-003	
2	O-Ring 29.3X3.6	Joint Torique 29.3X3.6	900050-077	
3	Adaptor F 3/4 NPT grooved	Embout F 3/4 NPT avec gorge	902944	
4	Flange - rotating threaded	Bride tournante trou taraude	902945	
5	Coupling Str.Male Stud 3/4 NPT	Raccord Dr. Mal Goujon 3/4 NPT	903297-001	
6	Valve Rego 1/4" NPT	Soupape Rego 1/4" NPT	904198-001	
7	Y Strainer screwed - 1" NPT	Filtre en Y à visser - 1" NPT	904241-002	
8	Valve- b/fly 1/4 turn 3/4"NPT	Vanne boiss pap. 3/4" NPT	904243	
9	ADAPTOR NPT 1/8" X 1/4" X 1/4"	ADAPTEUR NPT 1/8" X1/4" X 1/4"	904255	
10	Valve - 1/4 turn ball 1/4"NPT	VANNE BOISS SPHERIQ 1/4"NPT	904460	
11	Flange - male 3/4NPT w/o groov	Bride male 3/4NPT (lg 35)	904461	
12	Elbow M/F 90° 3/4" NPT	Coude M/F 90° 3/4" NPT	904463-001	
13	Coupling-QR Mal Staubi 1/4NPT	EMBOUT RACCORD STAUBLI 1/4 NPT	904464	
14	Nipple 1/4"NPT	MAMELON 1/4" NPT	904470-001	
15	Coupling -QR M Staubi 1/4NPT	Raccord Staubi Male 1/4NPT	904639	
16	Flange-male 3/4"NPT w/o groove	Bride male 3/4"NPT (lg 30)	904880	
17	Reducer Male 1" / Female 3/4"	Réd. Mâle 1" / Femelle 3/4"	906469-001	
18	Reducer Male 3/4" / Male 1"	Réducteur Mâle 3/4" / Mâle 1"	906470	
19	Adaptor of valve Rego 1/4"NPT	Clapet de soupape Rego 1/4"NPT	941385-001	
20	LPG Valve Shear Flanged LT	Racc. sécurité GPL Grand Froid	943171	
21	Valve simpl ASCO 230v eq	Electrov.S.ASCO 230v équipé	-	Refer to ASCO Valve Asm
22	Liquid phase pipe diam22 ASCO	Tube phase liquide diam22 ASCO	952045	

4.13 Gas Return Line Assembly



Item No	Description	Désignation Français	Part No	Comments
1	Screw HSHC M8x25	Vis CHC M8x25	900017-003	
2	O-Ring 29.3 x 3.6	Joint Torique 29.3 x 3.6	900050-077	
3	Adapter F 3/4 NPT Grooved	Embout F 3/4 NPT avec Gorge	902944	
4	Flange - Rotating Threaded	Bride Tournante Trou Taraude	902945	
5	Coupling Str. Male 3/4" NPT x 22mm	Raccord dr. Mal 3/4" NPT x 22mm	903297-001	
6	Valve- B/fly 1/4 Turn Ball 3/4" NPT	Vanne Boiss Spher. PAP. 3/4" NPT	904243	
7	Flange - Male 3/4NPT w/o Groove	Bride Male 3/4NPT (lg 35)	904461	
8	Elbow M/F 90 Deg	Coude M/F 90 Deg	904463-001	
9	Flange - Male 3/4NPT w/o Groove	Bride Mâle 3/4 NPT (lg 30)	904880	
10	LPG Valve Shear Flanged LT	Raccord Sécurité GPL GF	943171	
11	Valve Simple Assy LPG 230V	Electrovanne Simple Asm GPL 230V	944178	
12	Flange Male 3/4NPT Groove lg31	Bride 3/4NPT Male av Gorge lg31	944183	
13	Pipe - Gas Phase Diam 22	Tube - Phase Gazeuse Diam 22	947031	
14	Check Valve Serie	Clapet Anti-retour Serie	947928	



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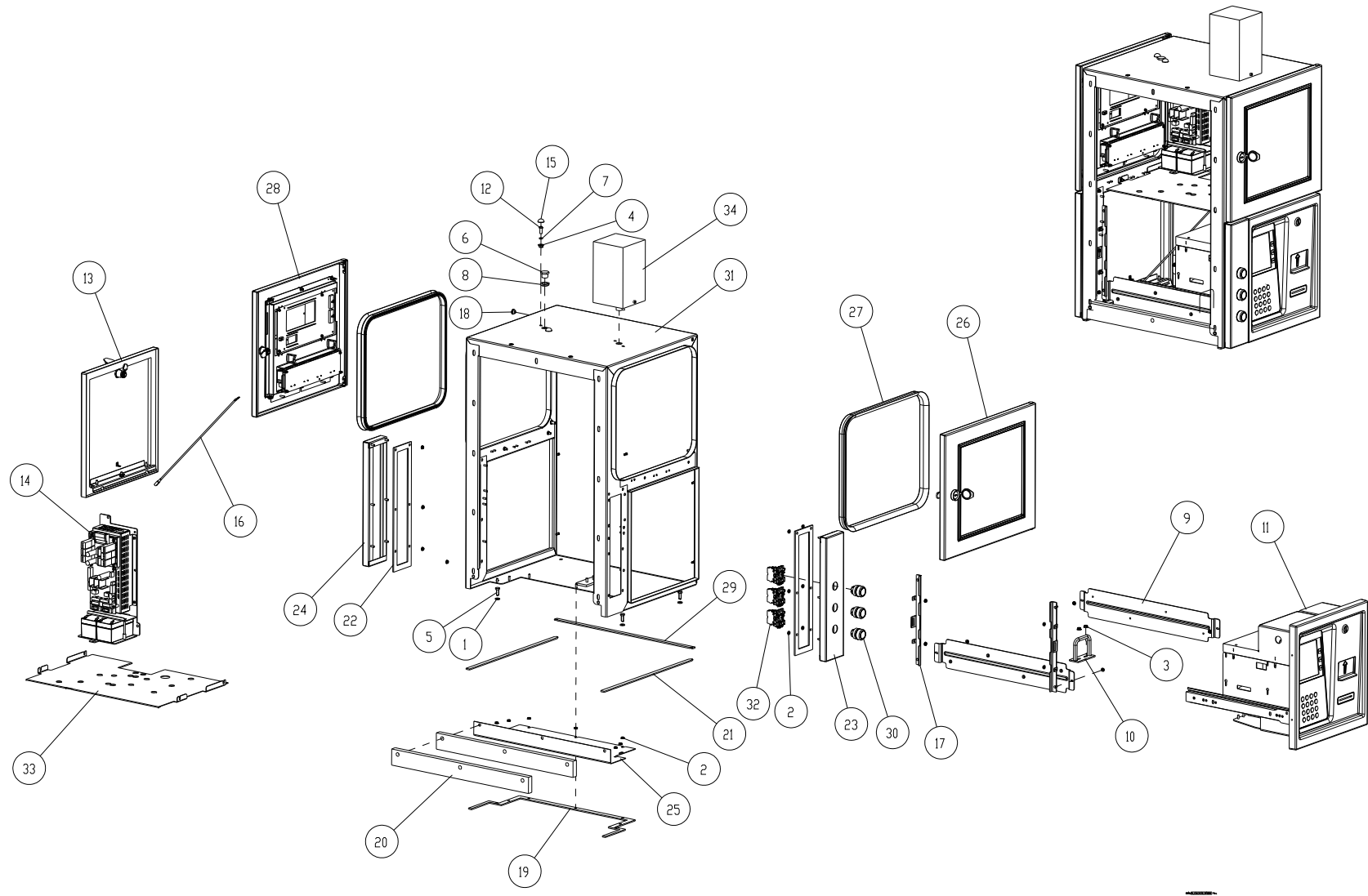
Document Ref 950930-001 Rev 2



Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M6	Rondelle PI M6	900008-002	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
4	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
5	Screw HH M6x16	Vis H M6x16	900015-002	
6	Plug M16 x 1,5 EEXE/IP66	Bouchon PG M16 x 1,5 EEXE/IP66	900044-004	
7	O-ring 5,70x1,90	Joint Torique 5,70x1,90	900050-044	
8	Nut Hex M16 x 1.5 (Capri)	Ecrou Hex M16 x 1.5 (Capri)	900088-004	
9	DIT Slide Rail Bracket	DIT Rail de Guidance Support	900539	
10	Lock Staple MD	Agrfe Verrouillage MD	900541	
11	OPT Assembly	Asm OPT	-	Refer to relevent OPT manual
12	Screw HSB M6x16	Vis M6x16	900795-002	
13	Blank DIT Door Assembly	DIT Asm Porte Aveugle	-	Refer to DIT Door Assemblies
14	DIT PSU Assembly	DIT PSU Assembly	-	Refer to DIT PSU Assembly
15	Snap Cap White M6	Chapeau Vis Blanc M6	903192-001	
16	Earth Cable L=400	Câble L=400	905930-002	
17	Single Box DIT Drawer Bracket	DIT Tiror Bracket	906239	
18	Gore Supra Vent	Gore Supra Vent	906628	
19	Box Vapour Barrier Gasket	Joint de Vapeur	907302	
20	Vapour Gasket	joint de vapeur	907303	
21	Seal Short VB Cladding	Joint Short Revetement VB	907792	
22	DIT Cladding Gasket	Joint DIT Clad	907799	
23	DIT Clad PB Assy Alu	DIT Placage PB Assy Alu	951197	Aluminium
	DIT Clad Push Button Assy ALU	DIT Placage Bouton Poussoir Assy ALU	951197	Aluminium
	DIT Clad Push Button Assy ACP	DIT Placage Bouton Poussoir Assy ACP	907802	Additional Corrosion Protection
	DIT Clad Push Button Assy SSt	DIT Placage Bouton Poussoir Assy Inox	946845	Stainless Steel

(Cont.)

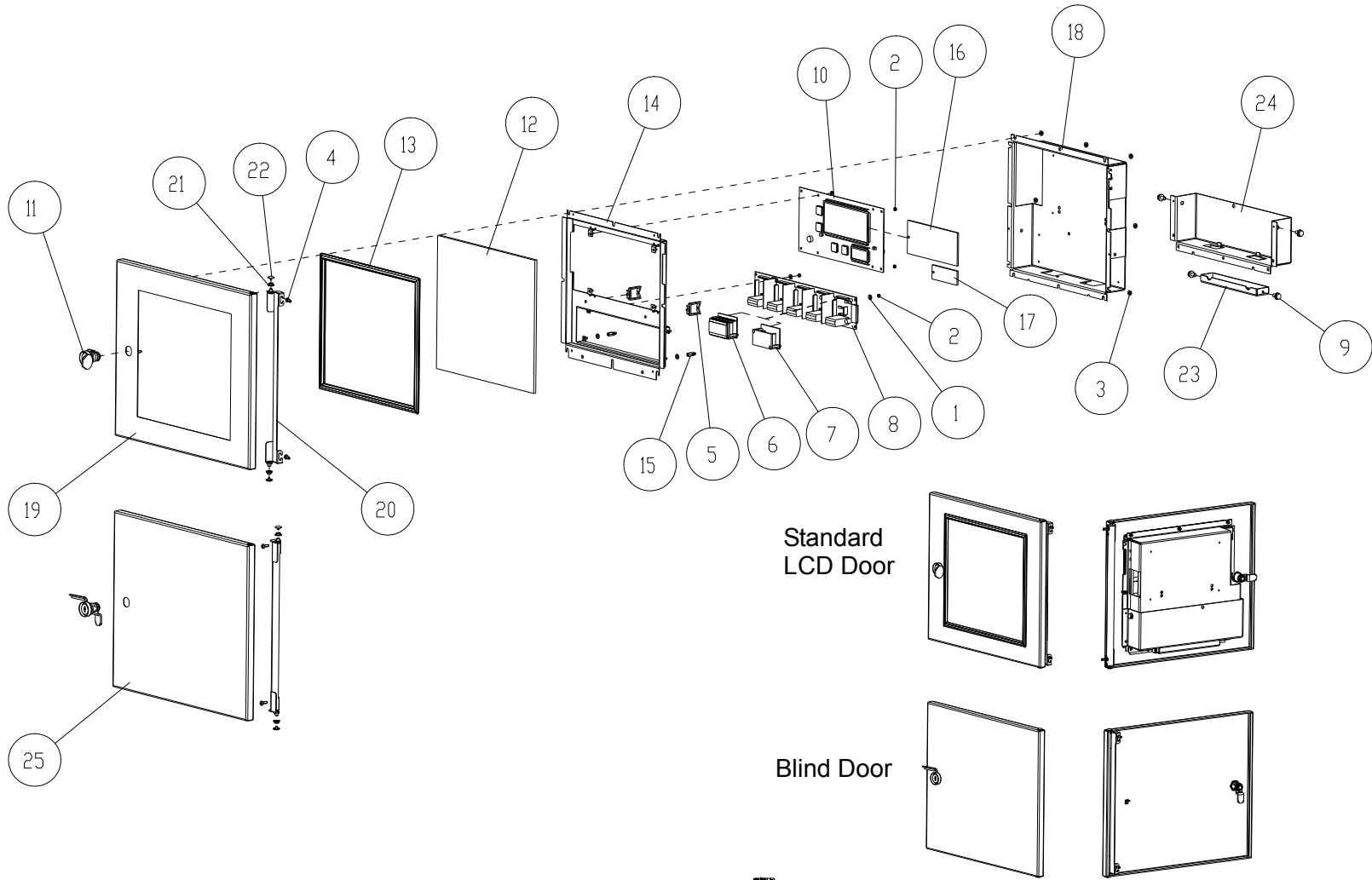
5.1 Standard Calculator Head Assembly (WWC & TQC) Cont.



Item No	Description	Désignation Français	Part No	Comments
23 (Cont.)	DIT Clad Deadman/ Stop Assy	DIT Plac. Deadman /Arret Asm	951201	
	DIT Clad Deadman/Stop Button Assy ALU	DIT Placage Deadman/Arret Assy ALU	951201	Aluminium
	DIT Clad Deadman/Stop Button Assy ACP	DIT Placage Deadman/Arret Assy ACP	908847	Additional Corrosion Protection
	DIT Clad Deadman/Stop Button Assy SSt	DIT Placage Deadman/Arret Assy Inox	946849	Stainless Steel
	DIT CLAD STOP PB ASY ALU	DIT PLACAGE ARRET PB ASY ALU	951203	Aluminium
	DIT Clad Push/Stop Button Assy ALU	DIT Placage/Arret B.P. Assy ALU	951203	Aluminium
	DIT Clad Push/Stop Button Assy ACP	DIT Placage/Arret B.P. Assy ACP	909135	Additional Corrosion Protection
	DIT Clad Push/Stop Button Assy SSt	DIT Placage/Arret B.P. Assy Inox	946851	Stainless Steel
24	DIT Clad Assy Alu	DIT Placage Assy Alu	951205	Aluminium
	Calc Box DIT Clad Assy ALU	DIT Placage Assy ALU	951205	Aluminium
	Calc Box DIT Clad Assy ACP	DIT Placage Assy ACP	907800	Additional Corrosion Protection
	Calc Box DIT Clad Assy SSt	DIT Placage Assy Inox	946841	Stainless Steel
25	Box Vapour Barrier	Barriere de Vapeur	909541	
26	Assy Calc Door LCD Q500T1 Side A	Portillon LCD Q500T1 Equipe Face A	-	Refer to Std LCD Calc Door Asms
27	Electronic Box Seal	Joint Tête Electronique	942596	
28	Assy Calc Door LCD Q500T1 Side B	Portillon LCD Q500T1 Equipe Face B	-	Refer to Std LCD Calc Door Asms
29	Seal - under Calculator Head	Joint sous la Tete Electronique	948034	
30	Black Push Button	Bouton Poussoir Noir	948560-001	
31	Single Electronic Welded Assy	Tête Electronique Soudée Asm	949259	Standard
	Single Electronic Welded Assy OPT	Tête Electronique Soudée Asm OPT	949260	OPT
	Single Electronic - WELDMENT	Single Electronic - WELDMENT	957222	Aluminium
	Single Electronic Welded Assy OPT/ACP	Tête Electronique Soudée Asm OPT/ACP	949262	ACP & OPT
	Single Electronic Welded Assy SSt	Tête Electronique Soudée Asm Inox	950377	Stainless Steel
	Single Electronic Welded Assy OPT/SSt	Tête Electronique Soudée Asm OPT/Inox	950389	Stainless Steel & OPT
	Single Electr Welded Assy ACP	Tete soudee Asm ACP	949261	Aluminium
32	Switch PB Assy	Switch PB Assy	949306	
33	Security Plate Std	Tôle de Protection Std	949376	Used with IQ6000 & IQ7000
34	Lamp Assembly	Abot Jour Asm	-	Refer to Signal Lamp Assemblies

5.2 Calculator Door Assemblies

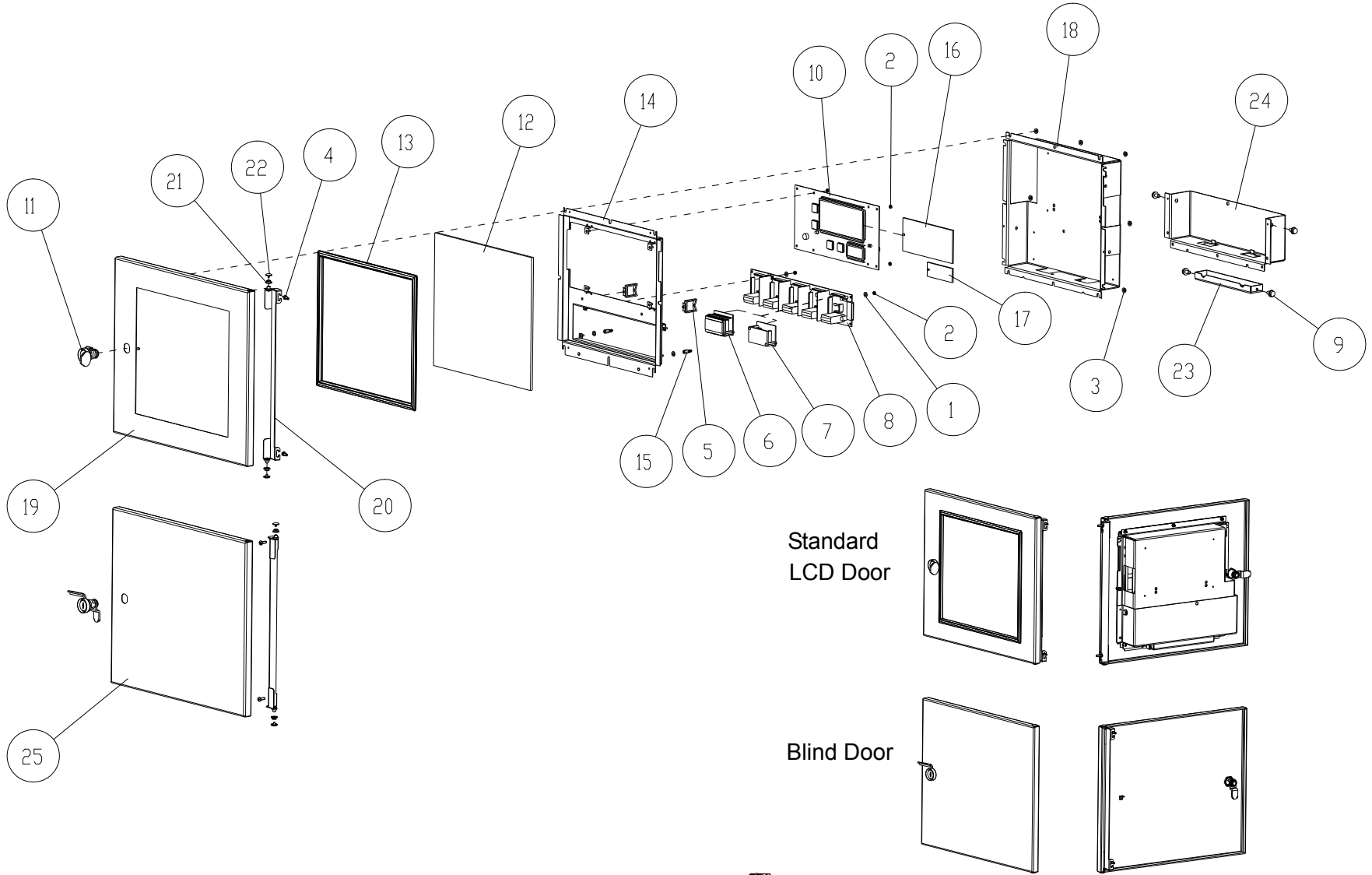
5.2.1 WWC DOOR ASSEMBLY



Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M4	Rondelle PI M4	900008-001	
2	Nut Hex M3	Ecrou H M3	900011-008	
3	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
4	Screw Torx Thr Form BH M4 x 12	Vis Torx Auto FTCBL Tril M4 x 12	900053-005	
5	Wire Clip max entas. 19	Fixation Câble Max Bundle 19	900058-001	
6	PCB/WWC033/ODU-UP/UPD Piggy-back	PCB/WWC033/ODU-UP/UPD Piggy-back	901355	Used with 902921 only
7	PCB/WWC033/ODU-IP/PROD IND P-back	PCB/WWC033/ODU-IP/PROD IND P-back	901356	Used with 902921 only
8	PCB assy/OPU/1 PR Left EMT	PCB asm/OPU/1 PR G EMT	906897-001	EMT option only
	PCB assy/OPU/1 PR Right EMT	PCB asm/OPU/1 PR D EMT	906897-002	EMT option only
	PCB assy/OPU/2 PR Left EMT	PCB asm/OPU/2 PR G EMT	906897-003	EMT option only
	PCB assy/OPU/2 PR Right EMT	PCB asm/OPU/2 PR D EMT	906897-004	EMT option only
	PCB assy/OPU/3 PR L/R EMT	PCB asm/OPU/3 PR G/D EMT	906897-005	EMT option only
	PCB assy/OPU/4 PR Left EMT	PCB asm/OPU/4 PR G EMT	906897-006	EMT option only
	PCB assy/OPU/4 PR Right EMT	PCB asm/OPU/4 PR D EMT	906897-007	EMT option only
	PCB assy/OPU/5 PR L/R EMT	PCB asm/OPU/5 PR G/D EMT	906897-008	EMT option only
	PCB assy/OPU/2nd PR L/R EMT	PCB asm/OPU/2eme PR G/D EMT	906897-009	EMT option only
	PCB assy/OPU/1 PR L+1 PR R EMT	PCB asm/OPU/1 PR G+1 PR D EMT	906897-010	EMT option only
	PCB assy/OPU/1 PR Left EMT	PCB asm/OPU/1 PR G EMT	902921-001	EMT & UPD/IP option
	PCB assy/OPU/1 PR Right EMT	PCB asm/OPU/1 PR D EMT	902921-002	EMT & UPD/IP option
	PCB assy/OPU/2 PR Left EMT	PCB asm/OPU/2 PR G EMT	902921-003	EMT & UPD/IP option
	PCB assy/OPU/2 PR Right EMT	PCB asm/OPU/2 PR D EMT	902921-004	EMT & UPD/IP option
	PCB assy/OPU/3 PR L/R EMT	PCB asm/OPU/3 PR G/D EMT	902921-005	EMT & UPD/IP option
	PCB assy/OPU/4 PR Left EMT	PCB asm/OPU/4 PR G EMT	902921-006	EMT & UPD/IP option
	PCB assy/OPU/4 PR Right EMT	PCB asm/OPU/4 PR D EMT	902921-007	EMT & UPD/IP option
	PCB assy/OPU/5 PR L/R EMT	PCB asm/OPU/5 PR G/D EMT	902921-008	EMT & UPD/IP option
	PCB assy/OPU/2nd PR L/R EMT	PCB asm/OPU/2eme PR G/D EMT	902921-009	EMT & UPD/IP option
	PCB assy/OPU/1 PR L+1 PR R EMT	PCB asm/OPU/1 PR G+1 PR D EMT	902921-010	EMT & UPD/IP option

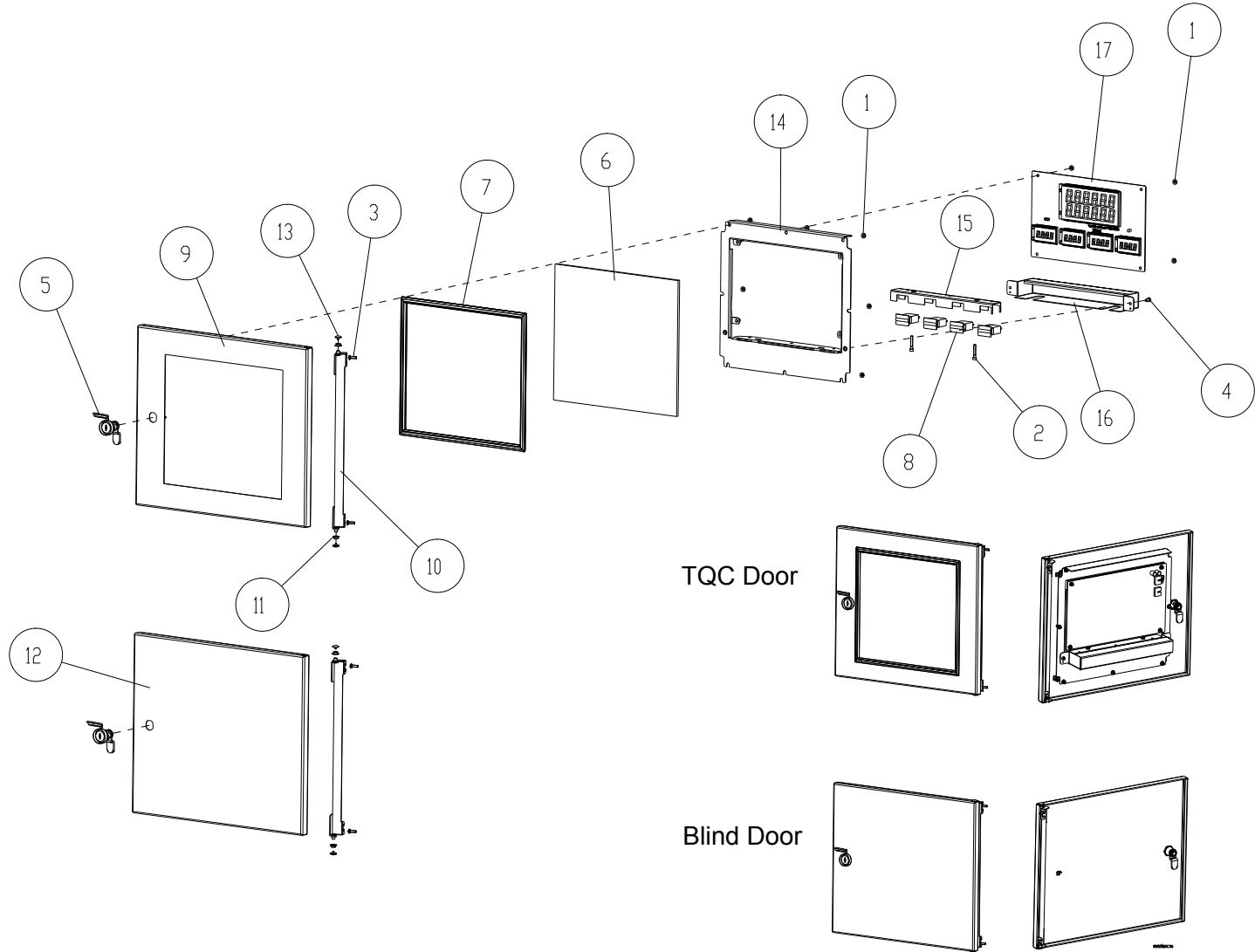
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5.2.1 WWC DOOR ASSEMBLY CONT.



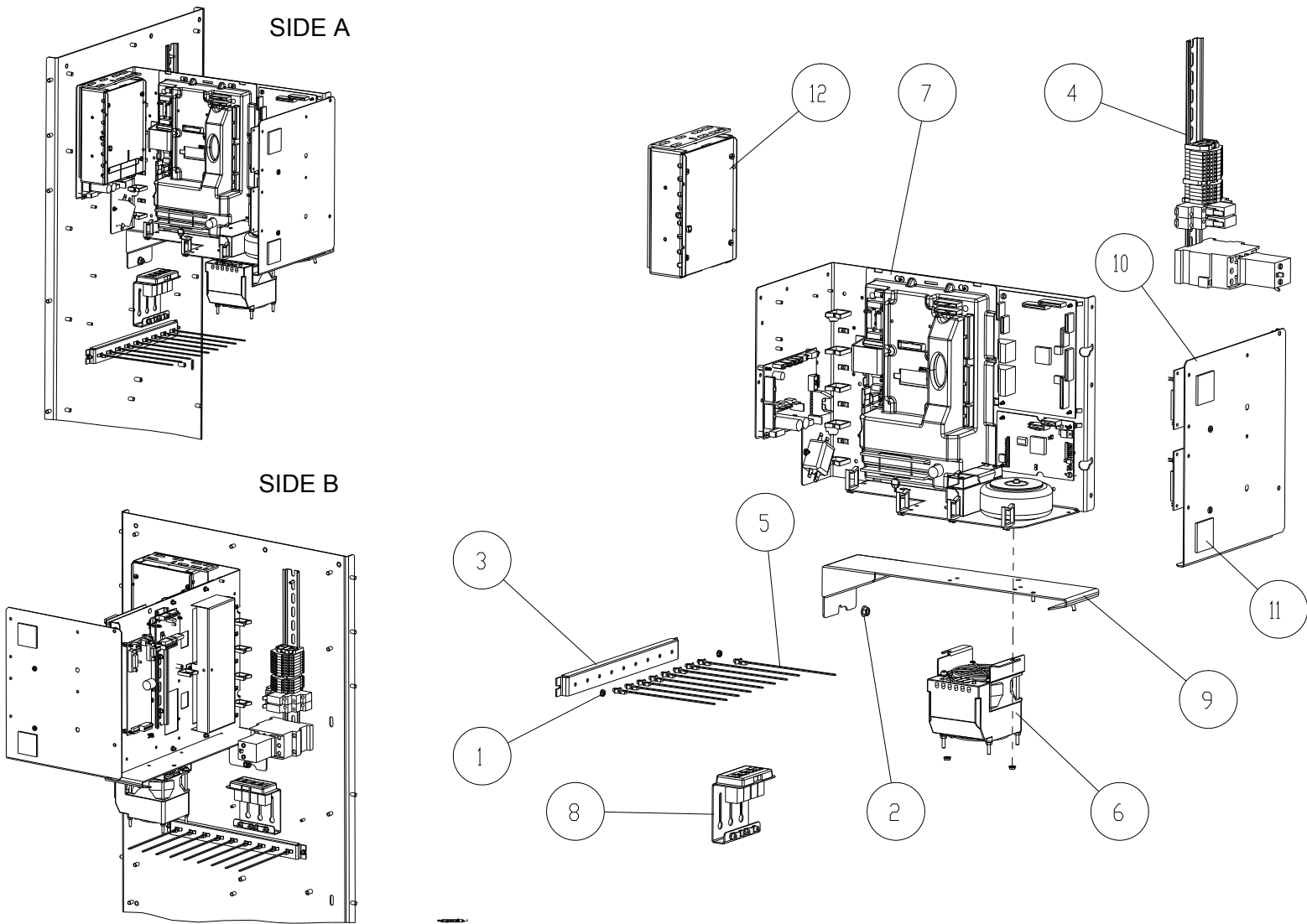
Item No	Description	Désignation Français	Part No	Comments
9	Screw HFHTF M6x10 Drilled	Vis Hex. Tar. M6x10 Percee	903812-001	
10	Customer Sales Display LCD	Afficheur Prix de Vente LCD	904788	No Integrated Backlight
	Customer Sales Display LCD	Afficheur Prix de Vente LCD	909692	Integrated Backlight
	Customer Sales Display LCD	Afficheur Prix de Vente LCD	941828	German No-MID Sealing Option
11	Lock Assy	Asm Serrure	-	Refer to Lock Assembly
12	Glass Q500T1	Glace Q500T1	905873	
13	Seal - Calc Glass Q510	Joint - Porte Calc Moule Q510	949979	
14	LCD Back Plate Q500T1	Support LCD Q500T1	905875	Used with EMT Option
	LCD Back Plate Simply Assy	Trémie LCD Simple Asm	909659	No EMT Option
	LCD Back Plate 5 EMT Assy	Trémie LCD 5 EMT Asm	943760	5 Products only
15	Standoff Locking M3 6x10	Entretoise clip M3 6x10	906122-001	
16	CSD LCD Diffuser VAM	Diffuseur LCD de CSD VAM	906604-001	
17	CSD LCD Diffuser PPU	Diffuseur LCD de CSD PPU	906604-002	
18	Bracket LCD	Support LCD	941482	
19	Calculator Door Weld Assy	Portillon Soudé Asm	955299	Additional Corrosion Protection Stainless Steel
	Calculator Door Weld Assy ACP	Portillon Soudé Asm ACP	942943	
	Calculator Door Weld Assy SST	Portillon Soudé Asm Inox	946837	
20	Hinge Inner Assy	Chamiere Asm	942566	
21	Snap Bush Ø6	Coussinet Ø6	942604	
22	Cover Skiffy Ø12	Capuchon Skiffy Ø12	943091	
23	Cable Security Bracket Cover	Couvercle de Securite de Cable	947679	
24	Cable Security Cover Plate Assy	Couvercle de Securite Cable Asm	947680	
25	Calculator Door Blind Welded	Portillon aveugle soudé	955300	Additional Corrosion Protection Stainless Steel
	Calculator Door Blind Weld Assy ACP	Portillon Aveugle Soudé Asm ACP	942944	
	Calculator Door Blind Weld Assy SST	Portillon Aveugle Soudé Asm Inox	946839	

5.2.2 TQC DOOR ASSEMBLY



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Screw HSHC M4x25	Vis CHC M4x25	900017-020	
3	Screw Torx Thr Form BH M4...	Vis Torx Auto FTCBL Tril M4x12	900053-005	
4	M4x8 Sealing Screw 5-8 StZn	M4x8 Scellant Vis 5-8 StZn	901551-001	
5	Lock Assy	Asm Serrure	905774	
6	Glass	Glace	905873	
7	Seal - Calc Glass Q510	Joint - Porte Calc Moule Q510	949979	
8	EMT Panel Mount	EMT Panel Mount	940424	
9	Calculator Door Weld Assy	Portillon Soudé Asm	955299	Aluminium Additional Corrosion Protection Stainless Steel
	Calculator Door Weld Assy ALU	Portillon soudé Asm ALU	951185	
	Calculator Door Weld Assy ACP	Portillon soudé Asm ACP	942943	
	Calculator Door Weld Assy SST	Portillon soudé Asm Inox	946837	
10	Hinge Inner Assy	Charniere Asm	942566	
11	Snap Bush Ø6	Coussinet Ø6	942604	
12	Calculator Door Blind Weld Assy	Portillon Aveugle Soudé Asm	942942	Aluminium Additional Corrosion Protection Stainless Steel
	Calculator Door Blind Weld Assy ALU	Portillon Aveugle Soudé Asm ALU	951187	
	Calculator Door Blind Weld Assy ACP	Portillon Aveugle Soudé Asm ACP	942944	
	Calculator Door Blind Weld Assy SST	Portillon Aveugle Soudé Asm Inox	946839	
13	Cover Skiffy Ø12	Capuchon Skiffy Ø12	943091	
14	TQC Display Bracket	TQC Display Bracket	943742	
15	TQC 1-4 EMT Bracket Assy	TQC 1-4 EMT Bracket Assy	943744-001	1-4 EMTs
	TQC 5 EMT Bracket Assy	TQC 5 EMT Bracket Assy	943744-002	5 EMTs
16	TQC EMT Door Seal	TQC EMT Door Seal	943745	
17	TQC CSD Assy 1UPD Termination	TQC CSD Assy 1UPD Termination	943824	
	TQC CSD Assy 2UPD Termination	TQC CSD Assy 2UPD Termination	943825	
	TQC CSD Assy 3UPD Termination	TQC CSD Assy 3UPD Termination	943826	
	TQC CSD Assy 4UPD Termination	TQC CSD Assy 4UPD Termination	943827	
	TQC CSD Assy PPU Termination	TQC CSD Assy PPU Termination	947944	

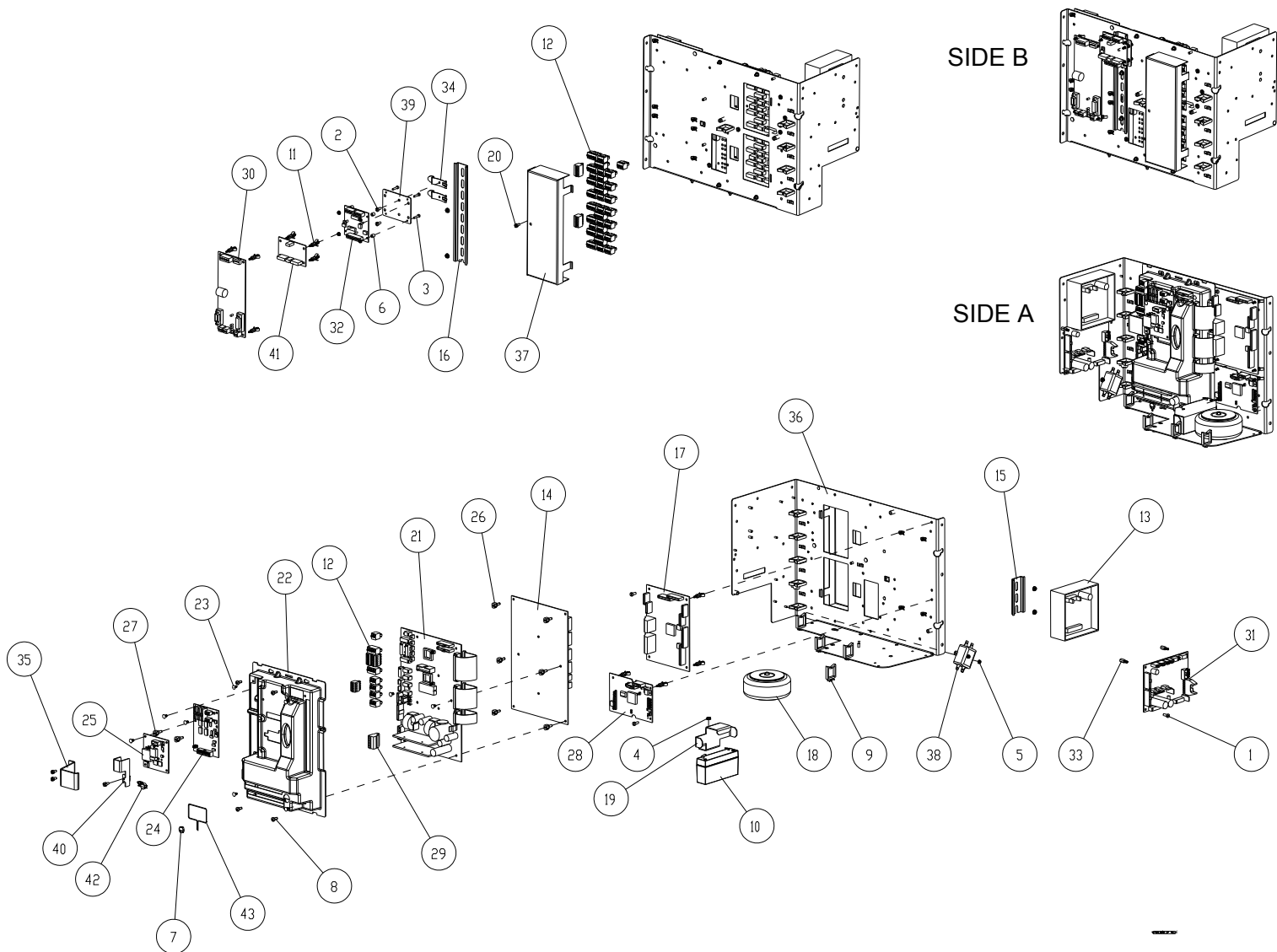
5.3 WWC Head Components



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-007	
3	Cable Support	Support de Cable	906485	
4	WWC Calculator Rail Assembly	WWC Calculator Rail Assembly	-	Refer to WWC Calc. Rail Comp.
5	Cable Tie WIT-30RRA-4	Serre-câble WIT-30RRA-4	906966	
6	DBK Heater 350W DBK's Heater Kit	Chauffage DBK 350 W Kit Chaufferette DBK	909214-001 940133	Use with IQ7000
7	WWC Centre Plate Assembly	WWC Centre Plate Assembly	-	Refer to WWC Centre Plate Assy
8	Panduit Assembly	Panduit Assemble	-	Refer to Panduit Assembly
9	TQC Bracket	Support TQC	949269	
10	HOM Board Bracket Assembly	Support Carte HOM Asm	-	Refer to HOM Board Assembly
11	Gasket Anti Vibration	JOINT Anti Vibration	949301	
12	Pulser Sealing Box Assembly	Pulser Sealing Box Assembly	-	Refer to Pulser Sealing Box Assy



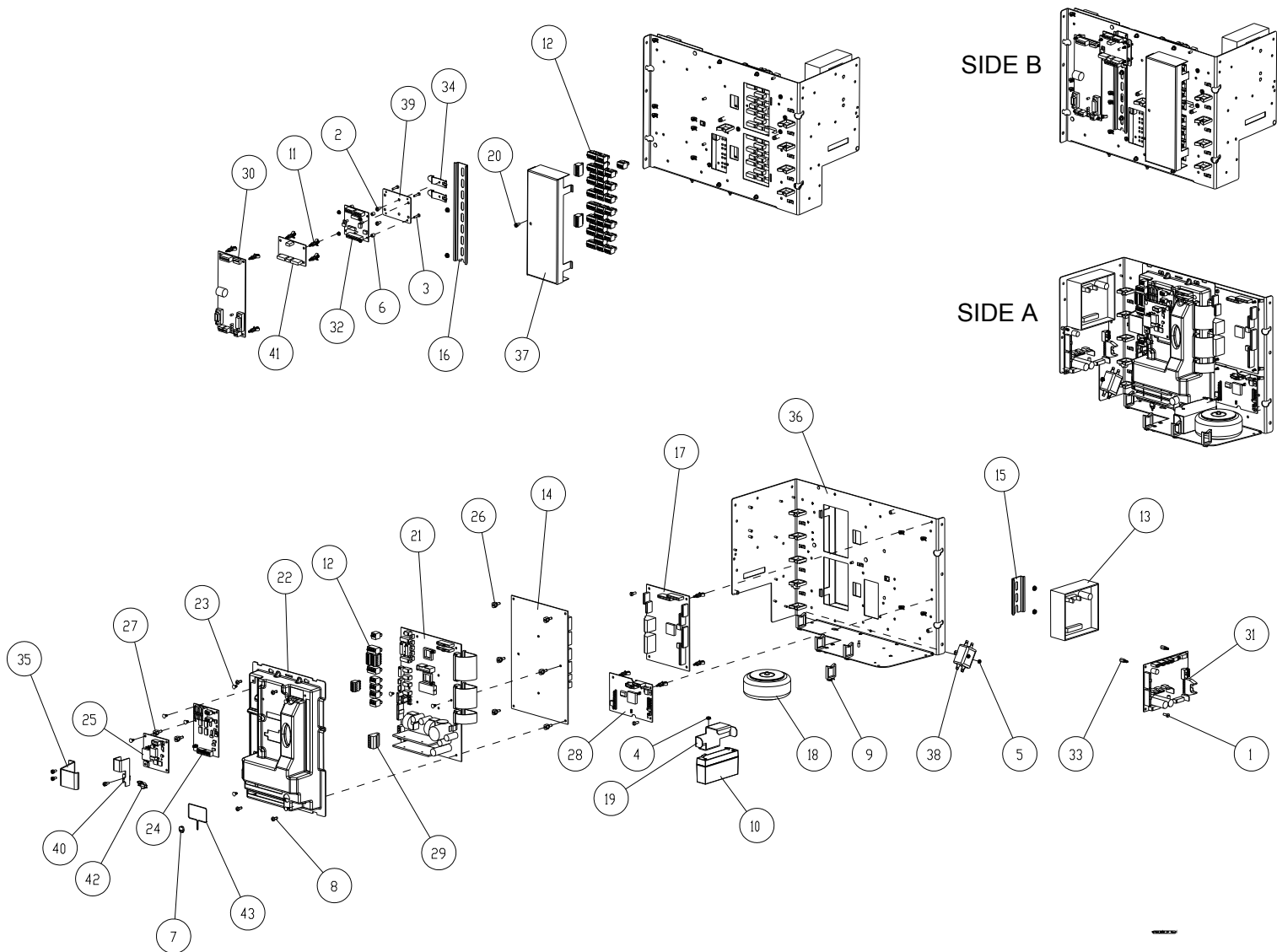
5.3.1 WWC CENTRE PLATE



Item No	Description	Désignation Français	Part No	Comments
1	Screw Slotted Cheese Head	Vis a Tete Cylindrique Fendue	900007-001	
2	Screw SCH M4x8	Vis CS M4x8	900007-003	
3	Screw Slotted Cheese Head	Vis a Tete Cylindrique Fendue	900007-012	
4	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
5	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
6	Spacer 3.2x6x6	Entretoise Cyl 3.2x6x6	900024-013	
7	Sealing Lead	Plomb á Pincer	900040	
8	Screw CRRCH M4x10	Vis CBLZ M4x10	900052-003	
9	Wire Clip max entas. 19	Fixation câble Max Bundle 19	900058-001	
10	Battery 6V 1.2 Ah	Batterie 6V 1.2 Ah	900075-001	
11	Lock. Circuitboard Support 9.5mm	Tabl Circ Verrouil Support 9.5mm	900456-001	
12	Connector Pitch 3.81mm 3 Pole	Connecteur Pitch 3.81mm 3 Pole	900862-003	
	Connector Pitch 3.81mm 4 Pole	Connecteur Pitch 3.81mm 4 Pole	900862-004	
	Connector Pitch 3.81mm 5 Pole	Connecteur Pitch 3.81mm 5 Pole	900862-005	
	Connector Pitch 3.81mm 6 Pole	Connecteur Pitch 3.81mm 6 Pole	900862-006	
13	ERZ Assy VFM Zener Barrier	ERZ Assy VFM Zener Barrier	901207	
14	WWC IO Board V5	WWC IO Board V5	901410	
15	Rail TS 35 I=75	Rail de Bornier TS 35 I=75	901432-001	
16	Rail TS 35 I=215	Rail de Bornier TS 35 I=25	901432-010	
17	OCB (Option Controller Board)	Le Controleur D'Option Monter	901538	
18	Toroidal Power Transformer	Toroidal Transformateur	901541	
19	Bracket Battery Calculator	Encadrer Calc. de Batterie	901545	
20	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
21	WWC Mainboard V4	WWC Mainboard V4	901553	
22	WWC-251-Cover	WWC-251-Couvrir	901559	
23	4MM Nylon Rivet	4MM Nylon Rivet	901560-001	
24	PCB/WWC022/EIB/IO Extension Board	PCB/WWC022/EIB/IO Ext. Monter	901561	

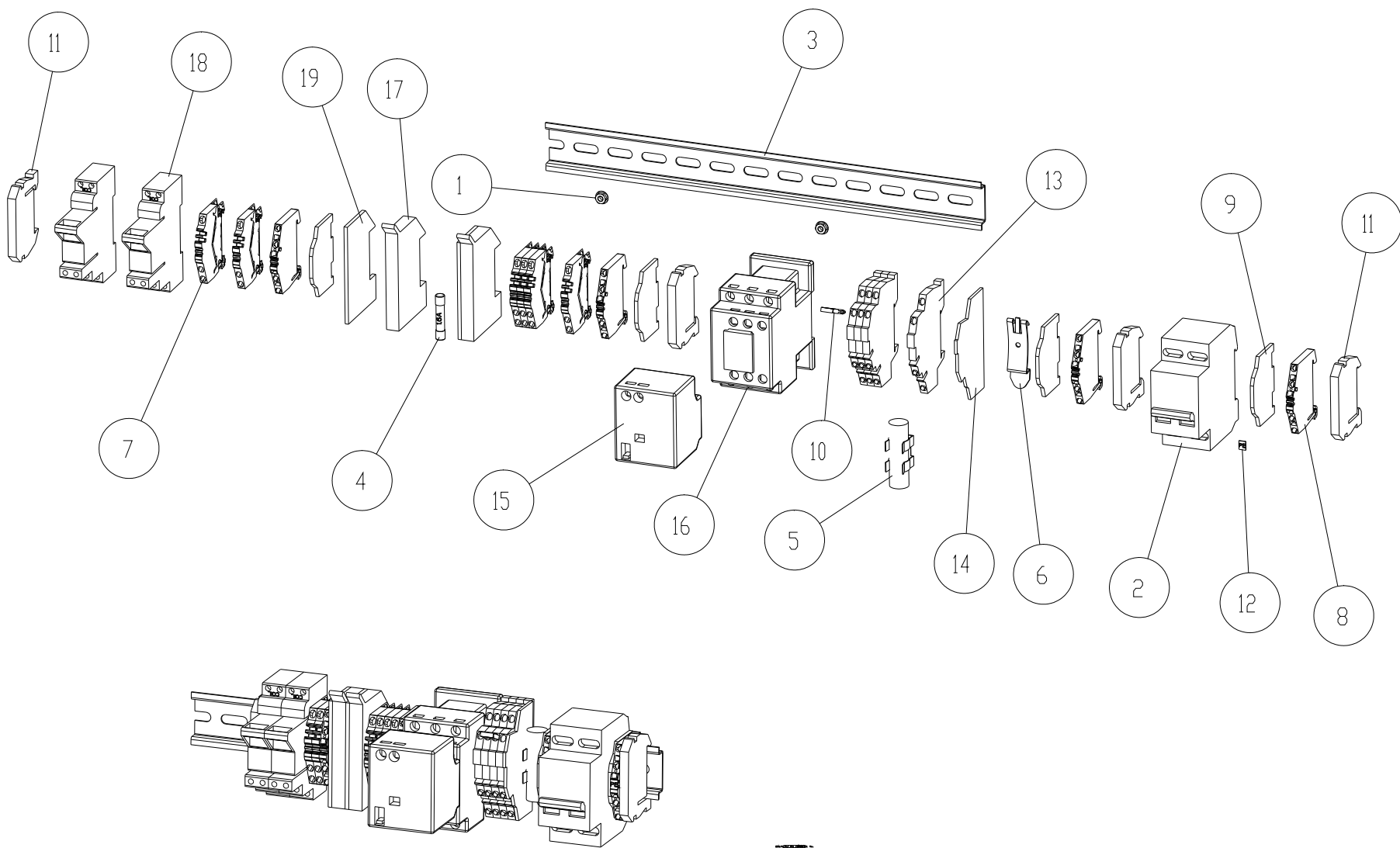
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5.3.1 WWC CENTRE PLATE (CONT.)



Item No	Description	Désignation Français	Part No	Comments
25	WWC Comms Board LON/IFSF	WWC Communication Monter LON/IFSF	902254	
	WWC Comms Board M32/M3000	WWC Communication Monter M32/M3000	902255	
	WWC Comms Board ZSR/FM	WWC Communication Monter ZSR/FM	902256	
	WWC Com. Brd Kienzle/ER3/S&B/DOMS	WWC Com. Monter Kienzle/ER3/S&B/DOM	902257	
	WWC Comms Board Autotank	WWC Communication Monter Autotank	902258	
	WWC Comms Board Dresser/EPS	WWC Com. Monter Dresser/EPS	902259	
	WWC Comms Board Tokheim	WWC Communication Monter Tokheim	902260	
	WWC Comms Board Logitron	WWC Communication Monter Logitron	902261	
	WWC Comms Board EIN/Sofitam/82D	WWC Com. Monter EIN/Sofitam/82D	900329	
	WWC Comms Board Nouvo Pignioni	WWC Com. Monter Nouvo Pignioni	940258	
26	9.5mm Nylon Board Support	9.5mm Nylon Monter Soutien	901563-001	
27	11mm Nylon Board Support	11mm Nylon monter soutien	901563-002	
28	User Access Module IR Only	Utilisateur Accede le Module	901565	
29	Connector FKC 2.5	Connecteur FKC 2.5	902042-005	
30	EPSI Interface ZSR/B 2 in 1	EPSI Interface ZSR/B 2 in 1	902958	
31	VRC-3 ECVR Board	VRC-3 ECVR Board	904197	
32	Metax Interface Board	Metax Interface Monte	904667	
33	Standoff Locking M3 6x10	Entretoise Clip M3 6x10	906122-001	
34	Clip Nut M4 - DIN Rail	Ecrou Clip M4 - Rail DIN	906193-001	
35	Mainboard Pulser Seal	Joint de Pulser de Mainboard	906486	
36	WWC-T1 Centre Plate V1 Assy	WWC-T1 Centre Plaquer V1 Assy	906536	
37	Sealing Cover IO	Couvercle Plombage Carte I/E	906644	
38	Netfilter Schaffner 1 Amp	Netfilter Schaffner 1 Amp	906645-001	
39	Mount Plate Dresser / Metax Board	Plat. Support Carte Dresser / Metax	907912	
40	Pulser Sealing Cover	Couvercle Emmetteur	9400025980	
41	PCB Dresser Link Switch	PCB Dresser Link Switch	9700800094	
42	Pulser Sealing Wire & Sealing Lead	Pulser Sealing Wire & Sealing Lead	-	
43	Sealing Wire	Métallique Cacheter	-	

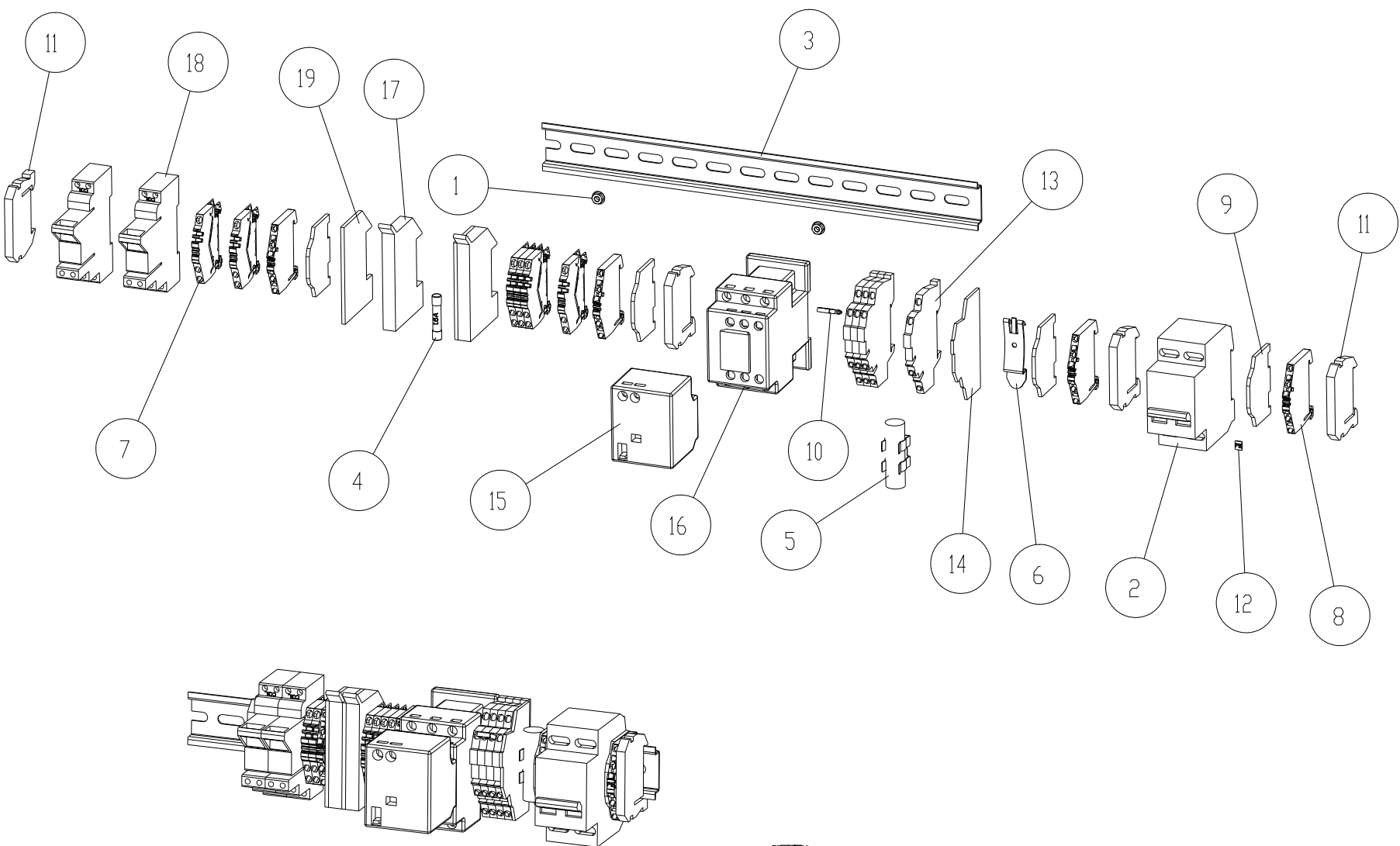
5.3.2 WWC CALCULATOR RAIL COMPONENTS



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Main Switch 400V/32A	Commutat Princip 400V/32A	900074-001	
3	Rail TS 35 I=100	Rail de Bornier TS 35 I=100	901432-005	
	Rail TS 35 I=180	Rail de Bornier TS 35 I=180	901432-002	
	Rail TS 35 I=250	Rail de Bornier TS 35 I=250	901432-008	
	Rail TS 35 I=320	Rail de Bornier TS 35 I=320	901432-004	
	Rail TS 35 I=500	Rail de Bornier TS 35 I=500	901432-009	
4	Fuse 1.6A	Fusible 1.6A	903483-002	
	Fuse 6.3A	Fusible 6.3A	903483-004	
5	Vibration Contact	Vibration Contact	905176	
6	Clip Nut M4 - DIN Rail	Ecrou Clip M4 - Rail DIN	906193-001	
7	Clamp 3 x 0.13 - 2.50 mm beige	Borne 3 x 0.13 - 2.50mm beige	909416-001	
8	Clamp 4 x 0.13 - 2.50 mm gn/ye	Borne 4x0.13-2.50mm vert/jaune	909416-002	
9	End Plate Orange	Plaque Separation Orange	909416-003	
10	Jumper 2 Pole	Jonction 2 Voies	909416-004	
	Jumper 3 Pole	Jonction 3 Voies	909416-005	
11	End Bracket Beige	Extremite Stop Beige	909416-006	
12	Code Letter L1	Code Barre L1	909416-007	
	Code Letter L2	Code Barre L2	909416-008	
	Code Letter L3	Code Barre L3	909416-009	
	Code Letter N	Code Barre N	909416-010	
	Code Letter PE	Code Barre PE	909416-011	
	Code Letter Blank	Code Barre Blank	909416-012	
	Code Letter 1-10	Code Barre 1-10	909416-017	
	Code Letter 11-20	Code Barre 11-20	909416-018	
	Code Letter L4	Code Barre L4	908994-001	
	Code Letter L5	Code Barre L5	908994-002	
	Code Letter L6	Code Barre L6	908994-003	
	Code Letter N6	Code Barre N6	908994-004	

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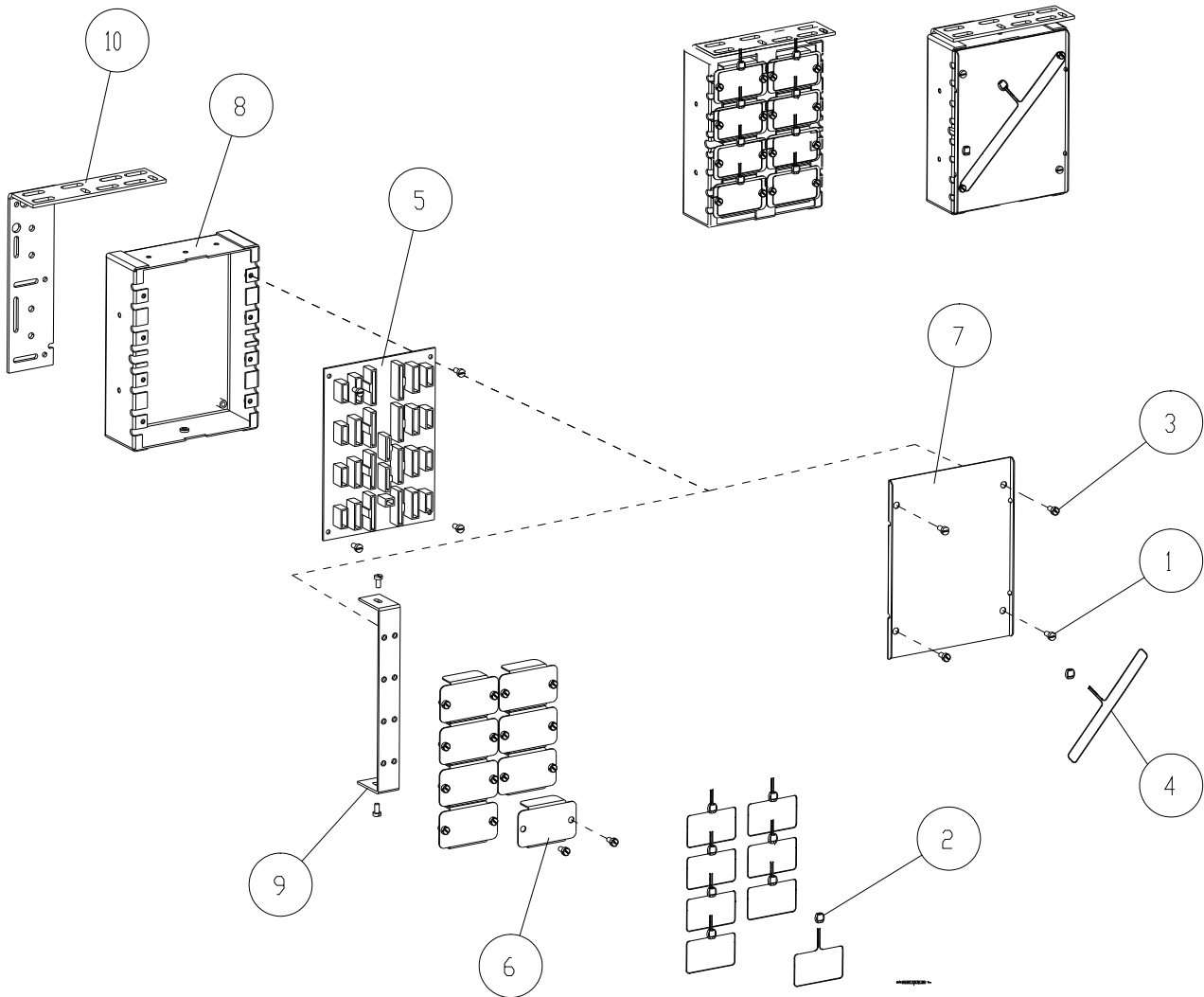
5.3.2 WWC CALCULATOR RAIL COMPONENTS (CONT.)



Item No	Description	Désignation Français	Part No	Comments
13	Clamp 2x2x 0.13-2.50mm Beige	Borne 2x2x 0.13-2.50mm Beige	909416-013	
14	End Plate Orange for Clamp -013	Plaque Separa Orange pour -013	909416-014	
15	Mechanical Latch	Mechanical Latch	941653	
16	Contactor 230Vac	Contactor 230Vac	941654-001	
17	Fuse Holder for 6.3 x 32 Fuse	Porte Fusible Sect 6.3 x 32	944754	
18	Relay assy 24Vdc 2 Change Over	Relais asm 24Vdc 2 CO	948754-001	
19	End Plate, Fuse Terminal	Plaque d'Extrémité Fusible	944879	



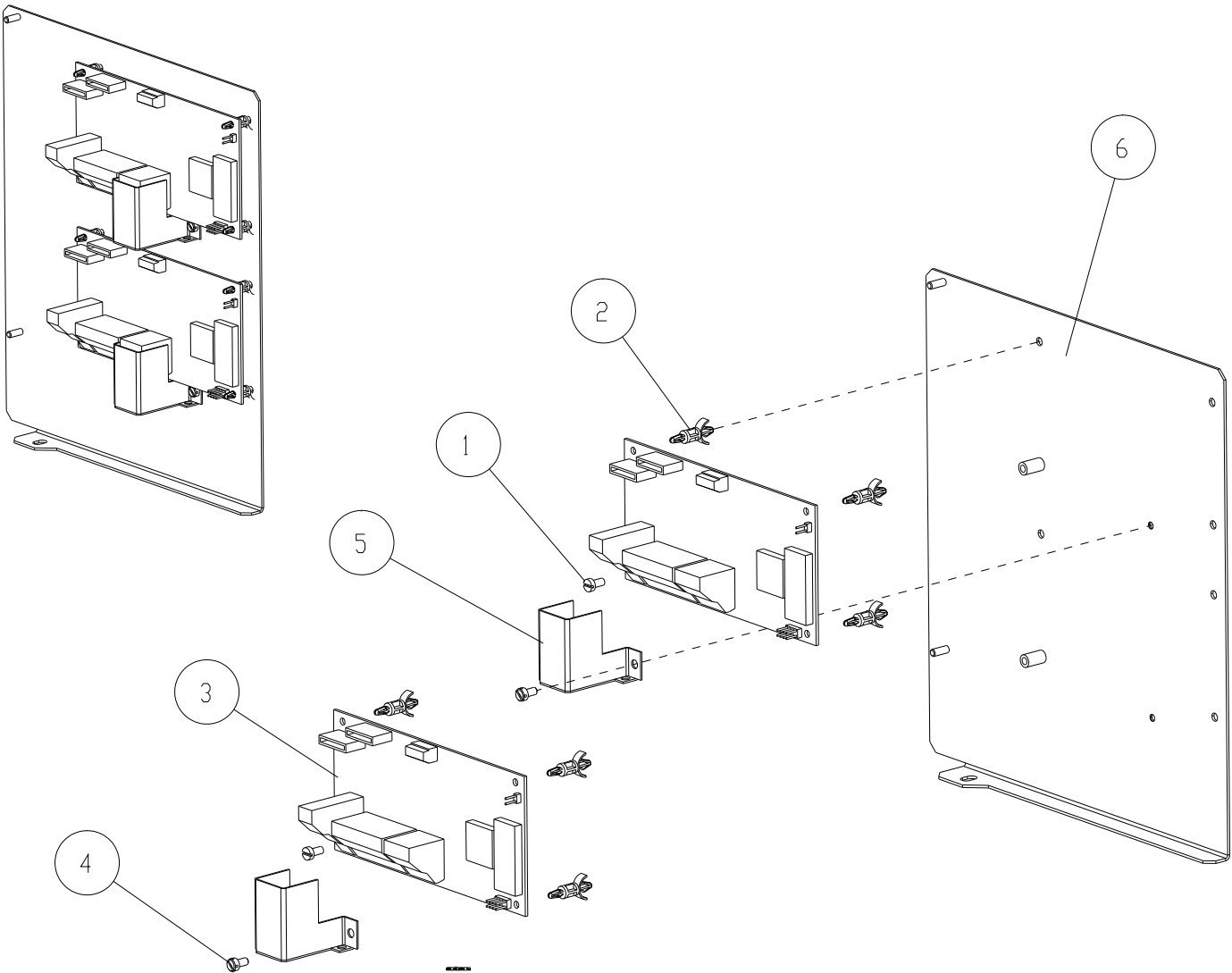
5.3.3 PULSER SEALING BOX



Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x8	Vis CS M4x8	900007-003	
2	Sealing Lead D8 x 2.5	Plomb à Pincer	900040-002	
3	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
4	Wire Sealing	Métallique Cacheter	902404	
5	Pulser Callibration-Temp Comp. Board	Pulser Callibration-Temp Comp. Board	909520	
6	Sealing Board Lid (each meter)	Sealing Board Lid (each meter)	909681	
7	Sealing Board Lid	Sealing Board Lid	909682	
8	Sealing Board Frame Electrical Calibration	Sealing Board Frame Electrical Calibration	909766	
9	Omega Sealing Board Frame	Omega Sealing Board Frame	940233	
10	Bracket Electrical Calibration	Bracket Electrical Calibration	940700	



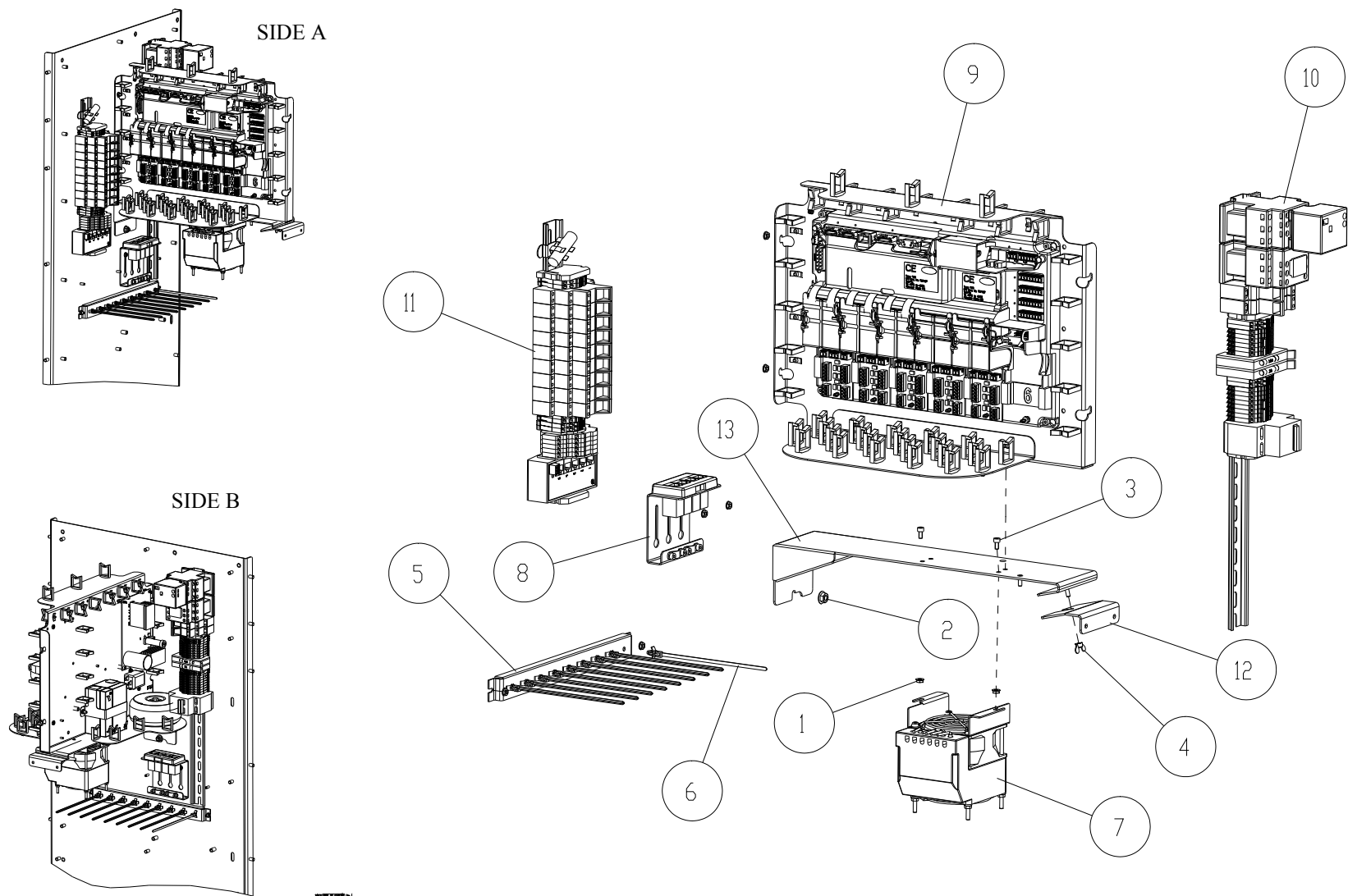
5.3.4 HOM BOARD ASSEMBLY



Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x8	Vis CS M4x8	900007-003	
2	Lock. Circuitboard Support 9.5mm	Tabl Circ Verrouil Sup. 9.5mm	900456-001	
3	HOM (Hydraulic Option Module)	Module Hydraulique D'Option	901539	
4	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
5	HOM Sealing Bracket	Couverture de Scellage	906534	
6	HOM Board Bracket	Support Carte HOM	949271	

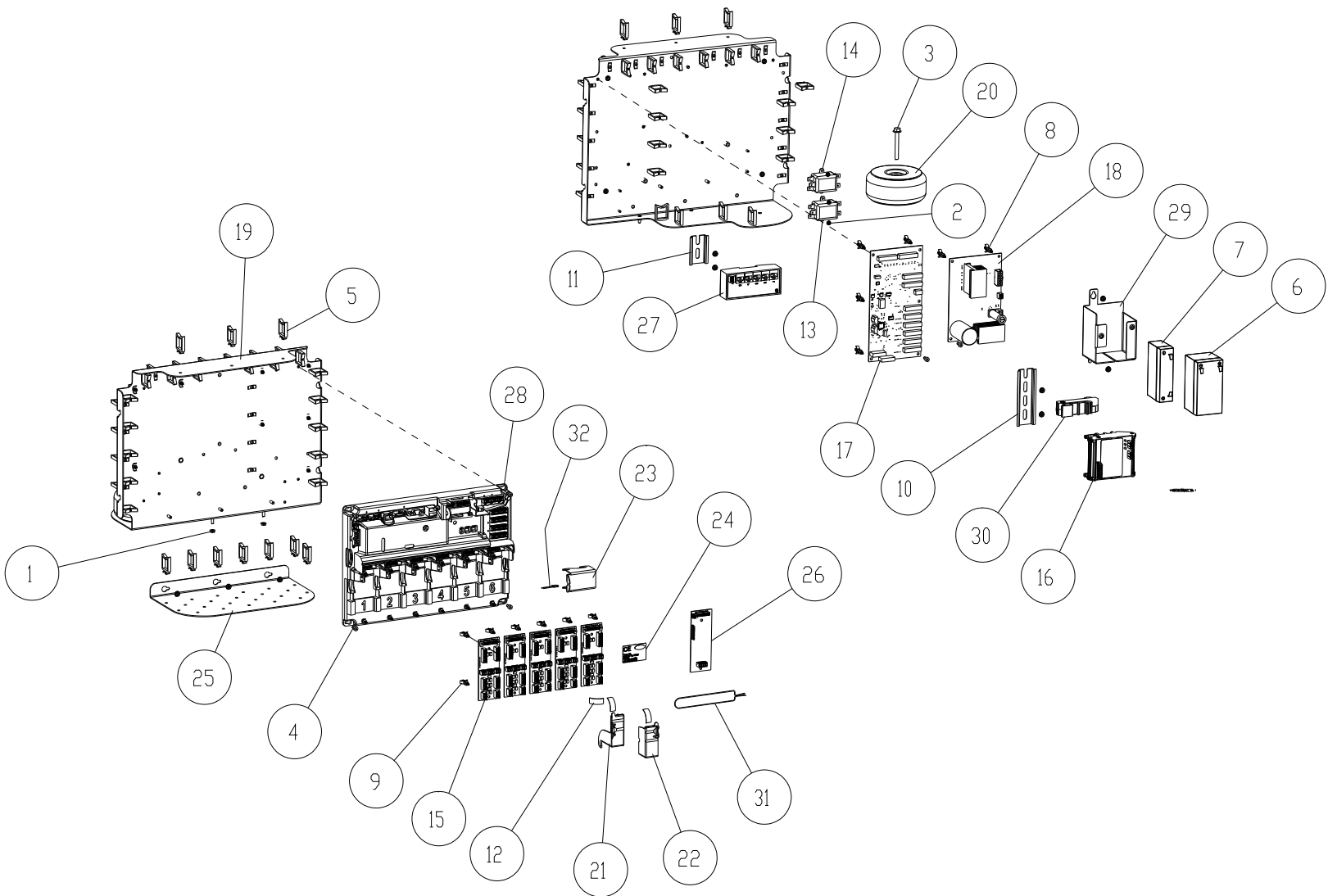


5.4 TQC Head Components



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Screw HSHC M4x8	Vis CHC M4x8	900017-008	
4	Wing Nut M4	Ecrou à oreilles M4	904889-001	
5	Cable Support	Support de cable	906485	
6	Cable Tie WIT-30RRA-4	Serre-câble WIT-30RRA-4	906966	
7	DBK Heater 350W	Chauffage DBK 350 W	909214-001	
8	Panduit Assembly	Panduit Asm	-	Refer to Panduit Assembly
9	TQC Centerplate Assembly	TQC Plaque Centre Asm	-	Refer to TQC Centreplate Assembly
10	TQC Mains Rail Assembly	TQC Mains Rail Assembly	-	Refer to TQC Mains Rail Assembly
11	TQC Options Rail Assembly	TQC Options Rail Assembly	-	Refer to TQC Options Rail Assembly
12	Bracket TQC Angular	Support TQC Incline	948036	
13	Bracket TQC Assy	Support TQC Asm	949269	

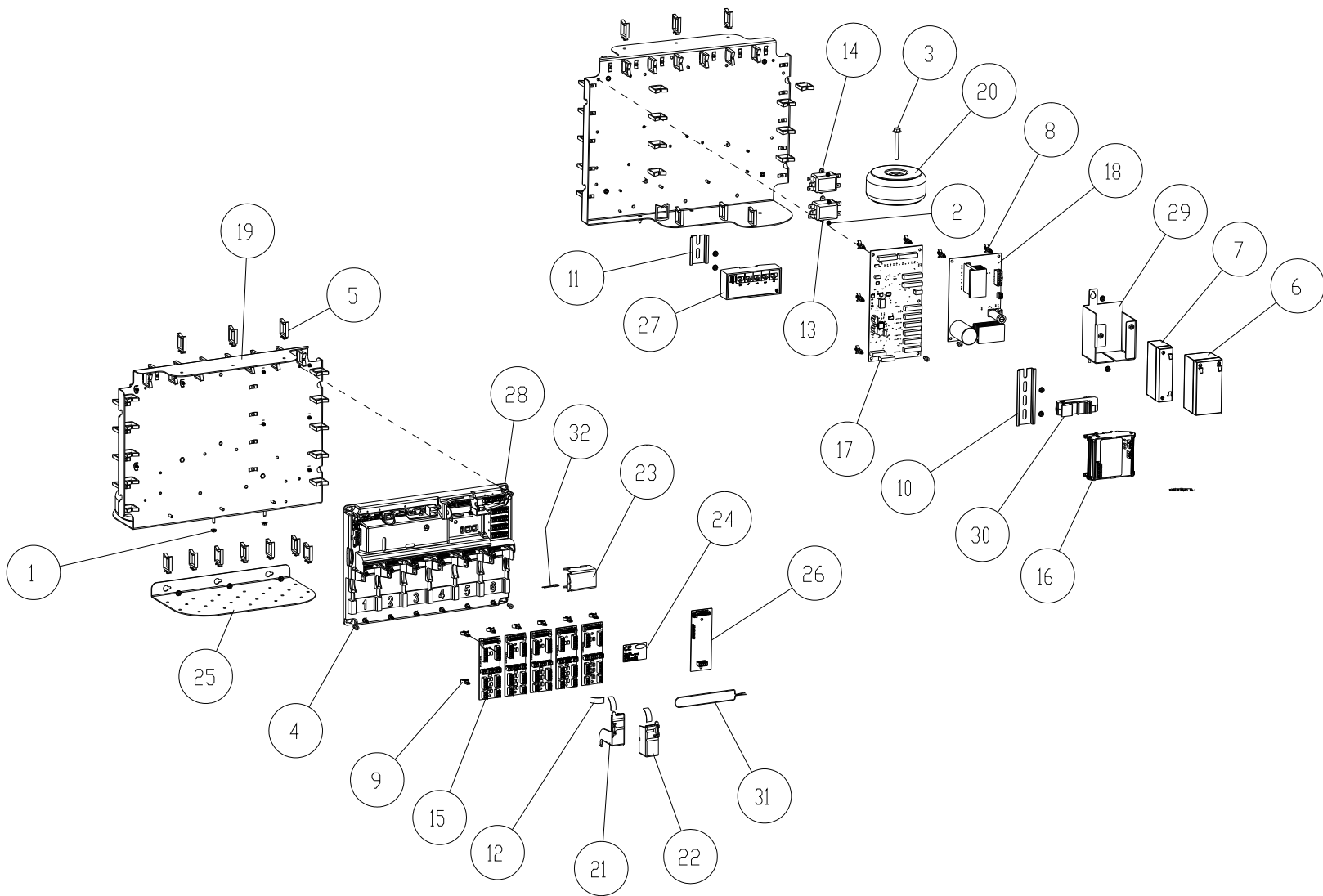
5.4.1 TQC CENTRE PLATE ASSEMBLY



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
2	Nut Hex Self Lock M3	Ecrou Et Rondelle Eventail M3	900013-006	
3	Screw HFHSL M6x50	Vis Bride Hex Autobloq M6x50	900016-005	
4	Screw HSHC M4x8	Vis CHC M4 x 8	900017-008	
5	Wire clip dim. 21.6 19.6	Fixation cable dim 21.6 19.6	900058-001	
6	BATTERY 12V 1.2Ah	BATTERIE 12V 1,2 Ah	900072-001	
7	BATTERY 6V 1.2Ah	BATTERIE 6V 1,2Ah	900075-001	
8	Lock. circuitboard sup. 9.5 mm	Tabl circ verrouil sup. 9.5 mm	900456-001	
9	Lock. circuitboard sup. 4.8 mm	Tabl circ verrouil sup. 4.8 mm	900456-002	
10	Rail TS 35 I=100	Rail de bornier TS I=100	901432-005	
11	Rail TS 35 I=50	Rail de bornier TS I=50	901432-014	
12	TQC Pulser Sticker Dundee	TQC étiquette D/dee	901689-235	
	TQC Pulser Sticker Grenthevill	TQC étiquette Grentheville	901689-236	
	TQC Pulser Sticker Bladel	TQC étiquette Bladel	901689-237	
	TQC Pulser Sticker SSD	TQC étiquette SSD	901689-238	
13	netfilter Schaffner 1Amp	netfilter Schaffner 1Amp	906645-001	
14	netfilter Schaffner 3A	netfilter Schaffner 3A	906645-002	
15	PCB/TQC002/HYM Hydraulic Modul	PCB/TQC002/HYM Hydraulic Modul	942184	
16	Energy Limiting Unit for CAN	Energy Limiting Unit for CAN	942387	
17	PCB/TQC006/SIO/Slave IO board	PCB/TQC006/SIO/Slave IO board	942687	
18	PCB/TQC005L0/PSU	PCB/TQC005L0/PSU	942696	
19	TQC T1 Centerplate Assy	TQC T1 Centerplate Assy	943721	
20	TQC Transformer 25V 160VA	TQC Transformer 25V 160VA	943725	
21	TQC Hym seal left	TQC Hym seal left	944072	
22	TQC Hym seal right	TQC Hym seal right	944073	
23	TQC EMT seal cap	TQC EMT seal cap	944074	

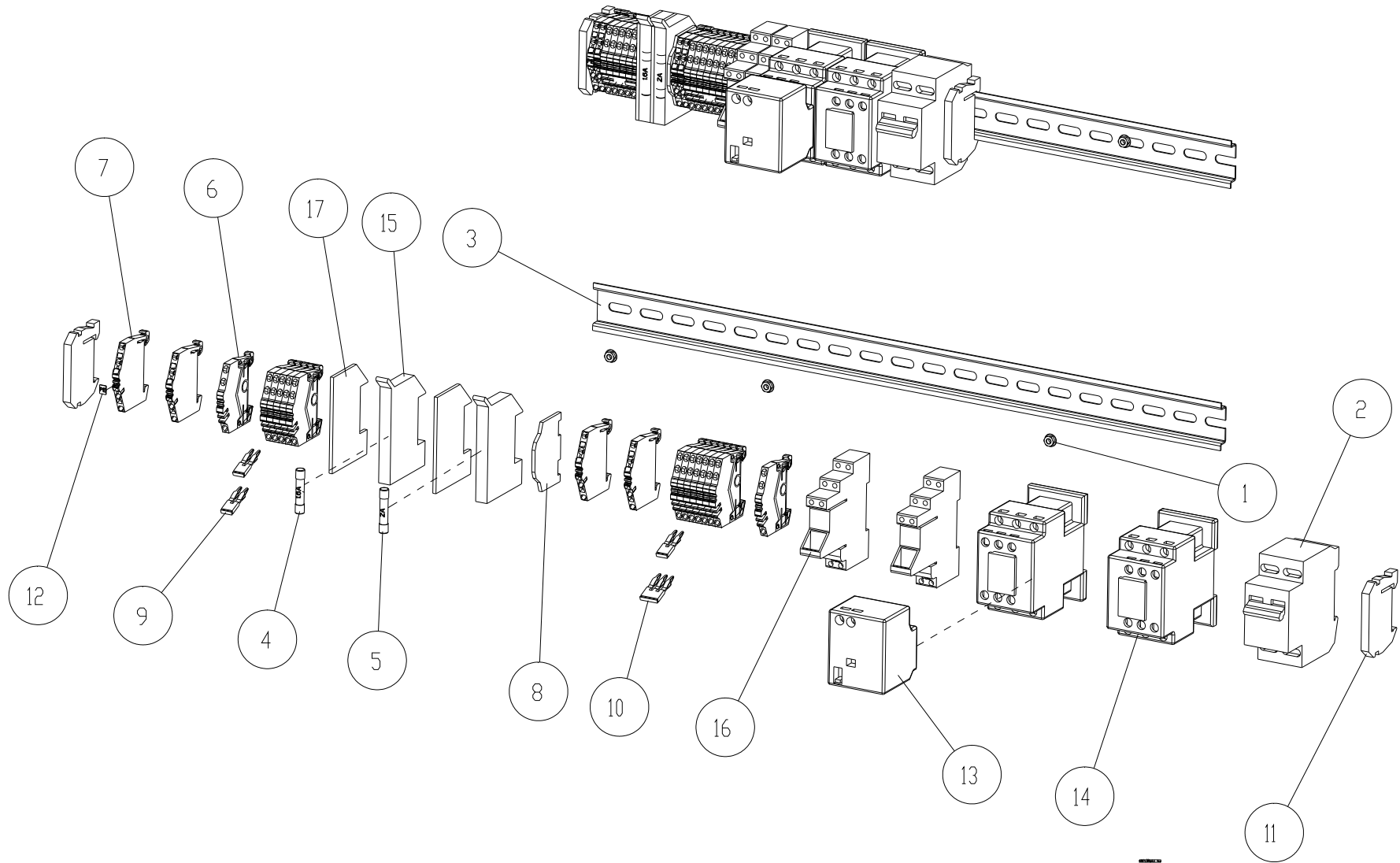
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5.4.1 TQC CENTRE PLATE ASSEMBLY (CONT.)



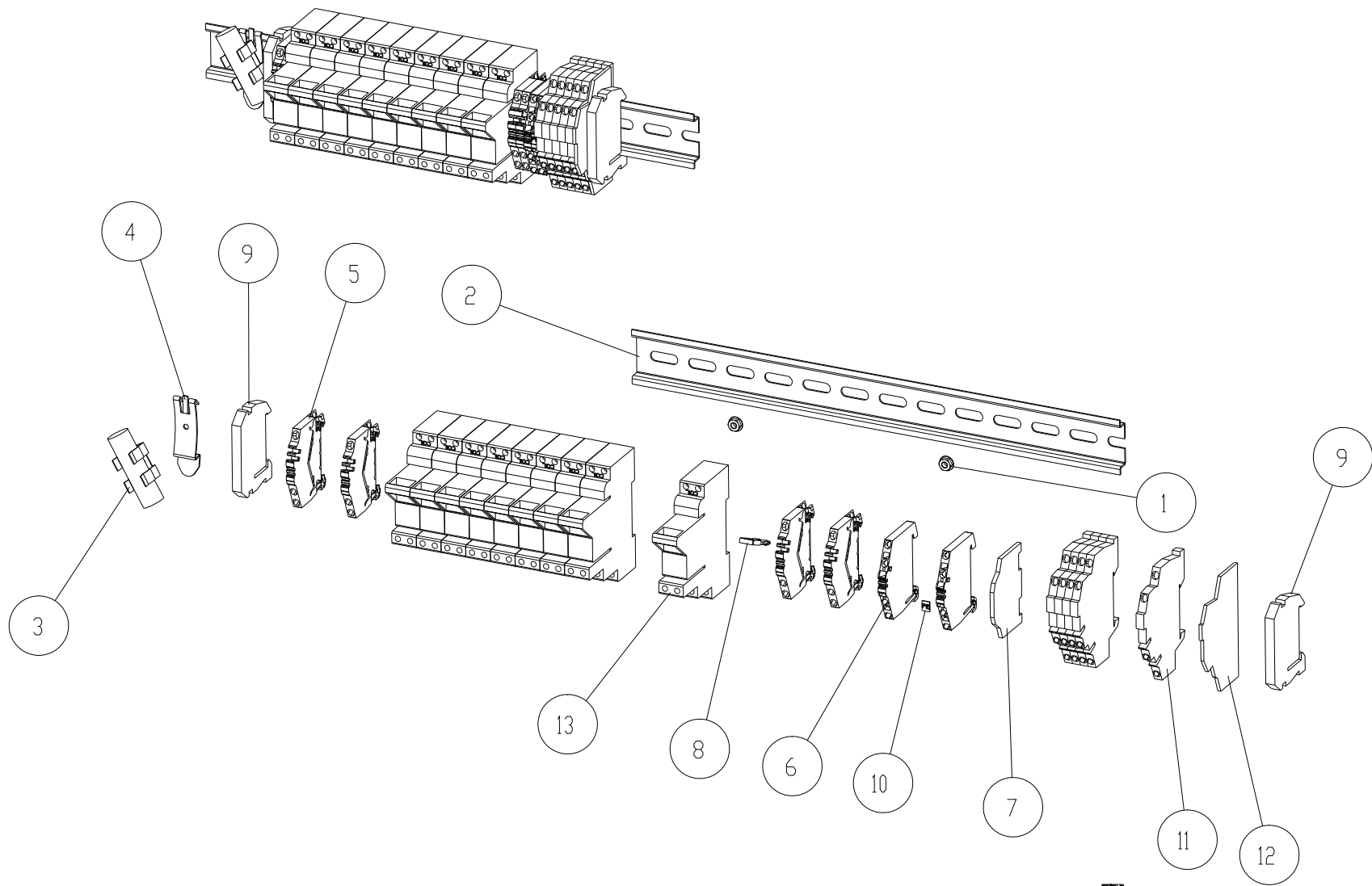
Item No	Description	Désignation Français	Part No	Comments
24	TQC Sticker seal	TQC Sticker seal	944076	
	TQC Sticker seal "Bladel"	TQC Sticker seal "Bladel"	944076-001	
	TQC Sticker seal"Grentheville"	TQC Sticker seal"Grentheville"	944076-002	
	TQC Sticker seal"Dundee"	TQC Sticker seal"Dundee"	944076-003	
25	TQC Cable clip bracket	TQC Cable clip bracket	944580	
26	PCB/TQC012L0/TOK comms single	PCB/TQC012L0/TOK comms single	944581	
	PCB/TQC022L0/DAR0 comms board	PCB/TQC022L0/DAR0 carte comms	947037	
	PCB/TQC008L0/EIN comms board	PCB/TQC008L0/EIN comms board	942693	
	PCB/TQC010L0/EPS comms board	PCB/TQC010L0/EPS comms board	942695	
	PCB/TQC031L0/M32 Comms Brd	PCB/TQC031L0/M32 Comms Brd	950392	
	PCB/TQC035L0/KZL0 comms brd	PCB/TQC035L0/KZL0 carte com	952864	
	PCB/TQC009L0/LOGITRON comm brd	PCB/TQC009L0/LOGITRON comm brd	942694	
	PCB/TQC007L0/LON comms board	PCB/TQC007L0/LON comms board	942692	
	PCB/TQC031L0/M32 Comms Brd	PCB/TQC031L0/M32 Comms Brd	950392	
	PCB/TQC037L0/NUP0 comms brd	PCB/TQC037L0/NUP0 carte comms	953437	
	PCB/TQC012L0/TOK comms single	PCB/TQC012L0/TOK comms single	944581	
	PCB/TQC029L0/ZSR-DUN comms brd	PCB/TQC029L0/ZSR-DUN carte com	949253	
27	Switch Ethernet 10/100 5 Ports	Switch Ethernet 10/100 5 Ports	946590-001	
28	Assy TQC Cover + I/O and ARM9	Assy TQC Cover + I/O and ARM9	947802	Standard without Software
	Assy TQC Cover	Assy TQC Cover	953053	Non VR without Software
	Assy TQC Cvr + I/O + APB + SW	Assy TQC Cvr + I/O + APB + SW	955515	With Software
	Assy TQC Cover (EIO nonVR)+SW	Assy TQC Cover (EIO nonVR)+SW	955516	Non VR with Software
	PCB/TQC011/APB/ARM9	PCB/TQC011/APB/ARM9	943567	Without Software
	PCB/TQC011L/5APB5/SITARA + SW	PCB/TQC011L5/APB5/SITARA + SW	955514	With Software
29	TQC Battery Bracket	TQC Battery Bracket	950534	
30	PCB/TQC034/SCN Ser. Converter	PCB/TQC034/SCN Ser. Converter	952762	
31	Wire Seal	Métallique Cacheter	-	
32	Wire Seal	Métallique Cacheter	-	

5.4.2 TQC MAINS RAIL ASSEMBLY



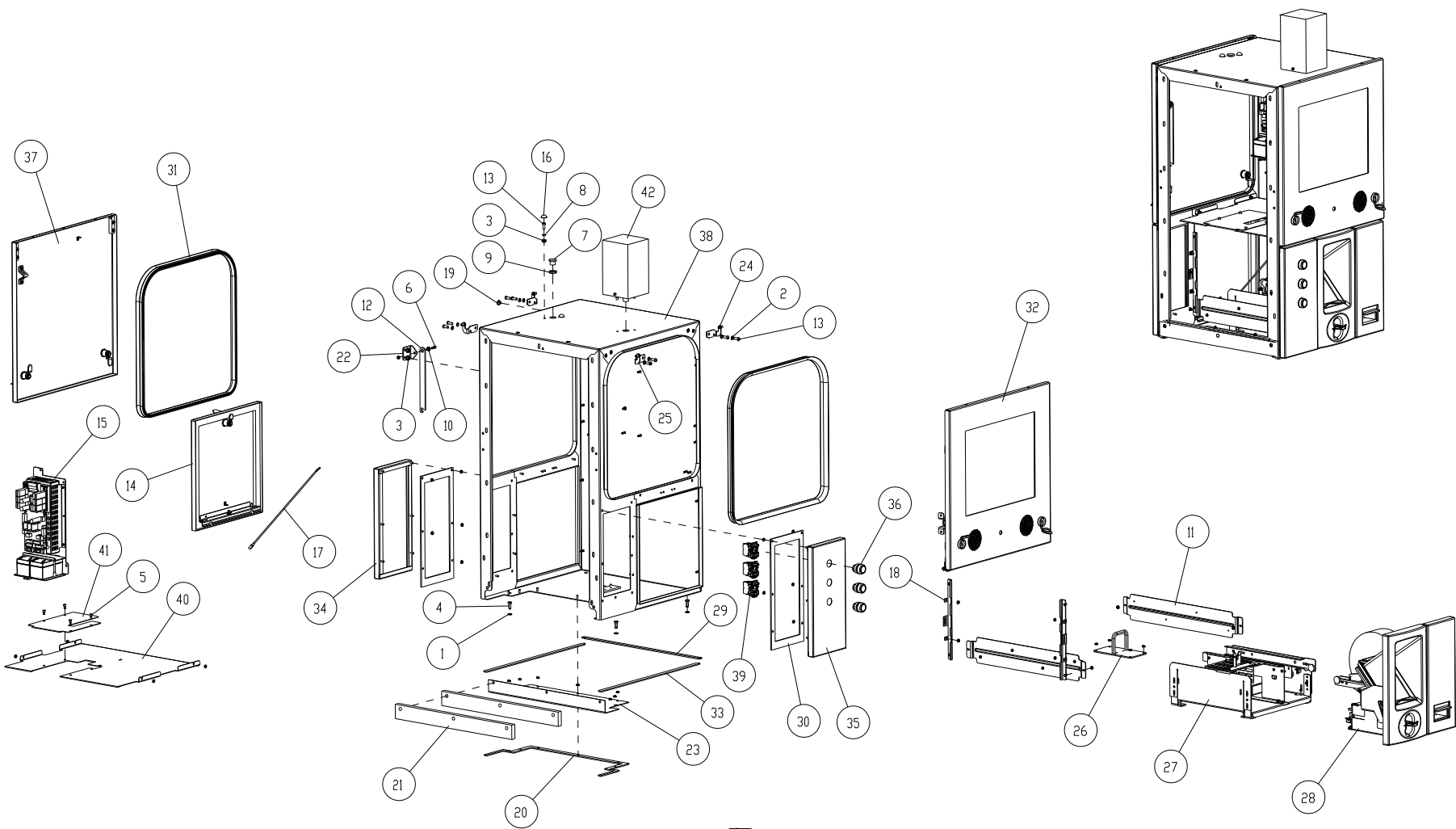
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Main Switch 400V/32A	Commutat Princip 400V/32A	900074-001	
3	Rail TS 35 I=500	Rail de Bornier TS 35 I=500	901432-009	
4	Fuse 1.6A	Fusible 1.6A	903483-002	
5	Fuse 2A	Fusible 2A	903483-007	
6	Clamp 3 x 0.13 - 2.50 mm Beige	Borne 3 x 0.13 - 2.50mm Beige	909416-001	
7	Clamp 4 x 0.13 - 2.50 mm Gn/Ye	Borne 4x0.13-2.50mm Vert/Jaune	909416-002	
8	End Plate Orange	Plaque Separation Orange	909416-003	
9	Jumper 2 Pole	Jonction 2 Voies	909416-004	
10	Jumper 3 Pole	Jumper 3 Pole	909416-005	
11	End Bracket Beige	Extremite Stop Beige	909416-006	
12	Code Letter L1	Code Barre L1	909416-007	
	Code Letter L2	Code Barre L2	909416-008	
	Code Letter L3	Code Barre L3	909416-009	
	Code Letter N	Code Barre N	909416-010	
	Code Letter PE	Code Barre PE	909416-011	
	Code Letter Blank	Code Barre Blank	909416-012	
	Code Letter 1-10	Code Barre 1-10	909416-017	
	Code Letters 11-20	Code Barre 11-20	909416-018	
	Code Letter L4	Code Barre L4	908994-001	
	Code Letter L5	Code Barre L5	908994-002	
	Code Letter L6	Code Barre L6	908994-003	
	Code Letter N6	Code Barre N6	908994-004	
13	Mechanical Latch	Mechanical Latch	941653	
14	Contactor 230V ac	Contactor 230V ac	941654-001	
15	Fuse Holder for 6.3 x 32 Fuse	Porte Fusible Sect 6.3 x 32	944754	
16	Relay assy 24Vdc 2 Change Over	Relais asm 24Vdc 2 CO	948754-001	
17	End Plate, Fuse Terminal	Plaque d'Extrémité Fusible	944879	

5.4.3 TQC OPTIONS RAIL ASSEMBLY



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Rail TS 35 I=320	Rail de bornier TS 35 I=320	901432-004	
3	Vibration Contact	Vibration Contact	905176	
4	Clip Nut M4 - DIN Rail	Ecrou Clip M4 - Rail DIN	906193-001	
5	Clamp 3 x 0.13 - 2.50 mm Beige	Borne 3 x 0.13 - 2.50mm Beige	909416-001	
6	Clamp 4 x 0.13 - 2.50 mm Gn/Ye	Borne 4x0.13-2.50mm Vert/Jaune	909416-002	
7	End Plate Orange	Plaque Separation Orange	909416-003	
8	Jumper 2 Pole	Jonction 2 Voies	909416-004	
9	End Bracket Beige	Extremite Stop Beige	909416-006	
10	Code Letter L1	Code Barre L1	909416-007	
	Code Letter L2	Code Barre L2	909416-008	
	Code Letter L3	Code Barre L3	909416-009	
	Code Letter N	Code Barre N	909416-010	
	Code Letter PE	Code Barre PE	909416-011	
	Code Letter Blank	Code Barre Blank	909416-012	
	Code Letter 1-10	Code Barre 1-10	909416-017	
	Code Letters 11-20	Code Barre 11-20	909416-018	
	Code Letter L4	Code Barre L4	908994-001	
	Code Letter L5	Code Barre L5	908994-002	
	Code Letter L6	Code Barre L6	908994-003	
	Code Letter N6	Code Barre N6	908994-004	
11	Clamp 2x2x 0.13-2.50mm Beige	Borne 2x2x 0.13-2.50mm Beige	909416-013	
12	End Plate Orange for Clamp 013	Plaque Separa Orange pour -013	909416-014	
13	Relay & Socket Assembly TS35	Asm Relais & Cavite TS35	944844	

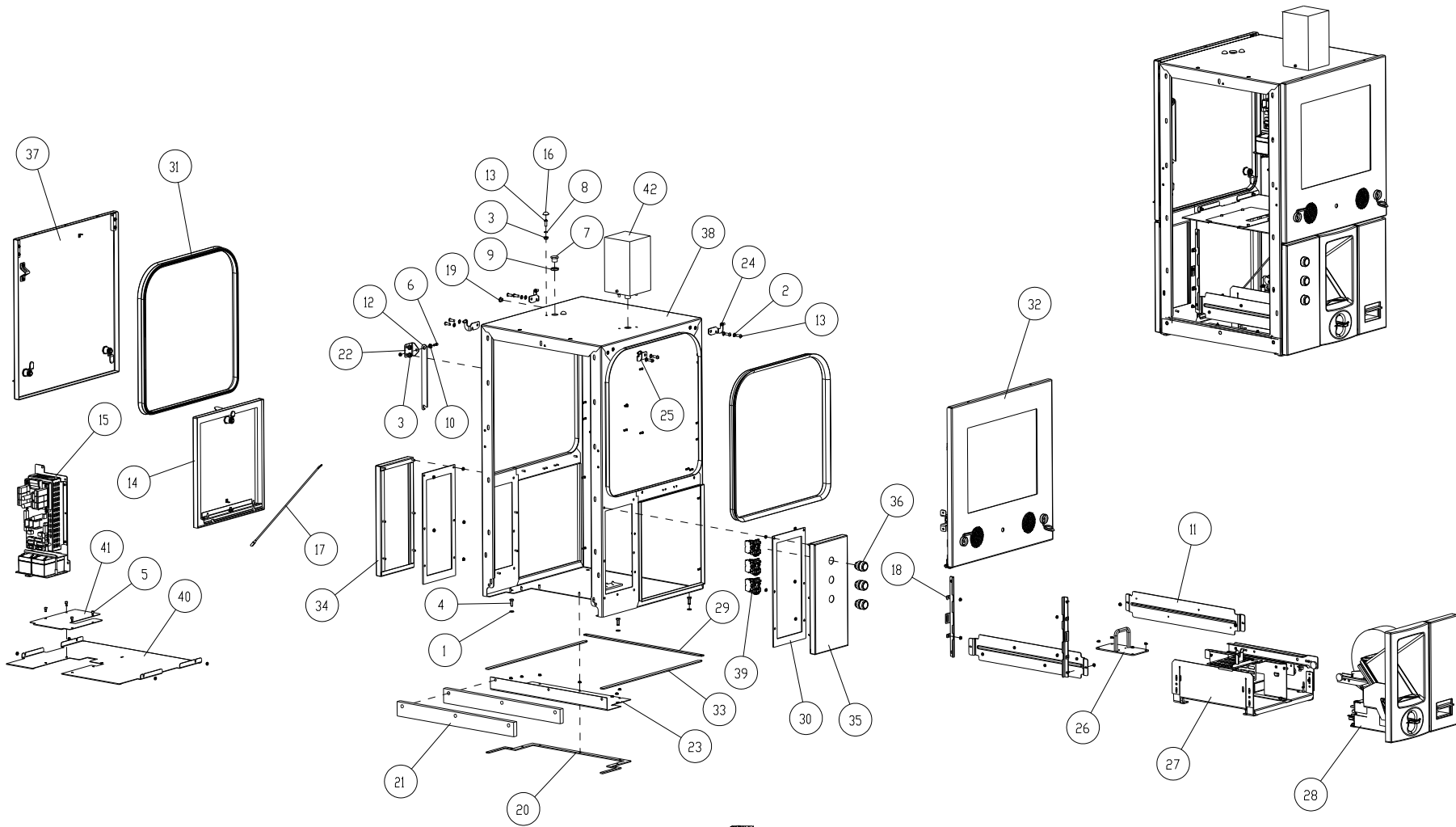
5.5 Media Calculator Head Assembly



Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M6	Rondelle PI M6	900008-002	
2	Washer Serr Lock Ext M6	Rondelle a Dents DEC M6	900009-004	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Screw HH M6x16	Vis H M6x16	900015-002	
5	Screw HSHC M4x8	Vis CHC M4x8	900017-008	
6	Screw HSHC M4x12	Vis CHC M4x12	900017-027	
7	Plug M16 x 1.5 EEXE/IP66	Bouchon PG M16 x 1.5 EEXE/IP66	900044-004	
8	O-ring 5.70x1.90	Joint Torique 5.70x1.90	900050-044	
9	Nut Hex M16 x 1.5 (Capri)	Ecrou Hex M16 x 1.5 (Capri)	900088-004	
10	Bearing 6x9x6	Coussinet 6x9x6	900497-001	
11	DIT Slide Rail Bracket	DIT Rail de Guidance Bracket	900539	
12	Stay Arm Calc Door Q500T	Bras Arret Porte Calc Q500T	900578	
13	Screw HSB M6x16	Vis M6x16	900795-002	
14	DIT Blank Door Assy	DIT Asm Porte Aveugle	-	Refer to DIT Door Assemblies
15	DIT PSU Assembly	DIT PSU Assemblee	-	Refer to DIT PSU Assembly
16	Snap Cap White M6	Chapeau Vis Blanc M6	903192-001	
17	Earth Cable	Câble Masse	905930-002	
18	Single Box DIT Drawer Bracket Assy	DIT Tiror Brkt Assy	906239	
19	Gore Supra Vent	Gore Supra Vent	906628	
20	Box Vapour Barrier Gasket	Joint de Vapeur	907302	
21	Vapour Gasket	joint de vapeur	907303	
22	Bracket Door Stay	Support de Bras de Porte	908887	
23	Box Vapour Barrier Complete	Barriere de Vapeur Complete	909541	
24	Hinge Bracket Assy L	Equerre asm L	942208	
25	Hinge Bracket Right Assy	Hinge Bracket Right Assy	958078	
26	Lock Staple Assy	Lock Staple Assy	942220	
27	Crypto VGA Bracket	Support Crypto VGA	-	Refer to Crypto VGA Manual
28	OPT Assembly	Asm OPT	-	Refer to relevant OPT Manual

(Cont.)

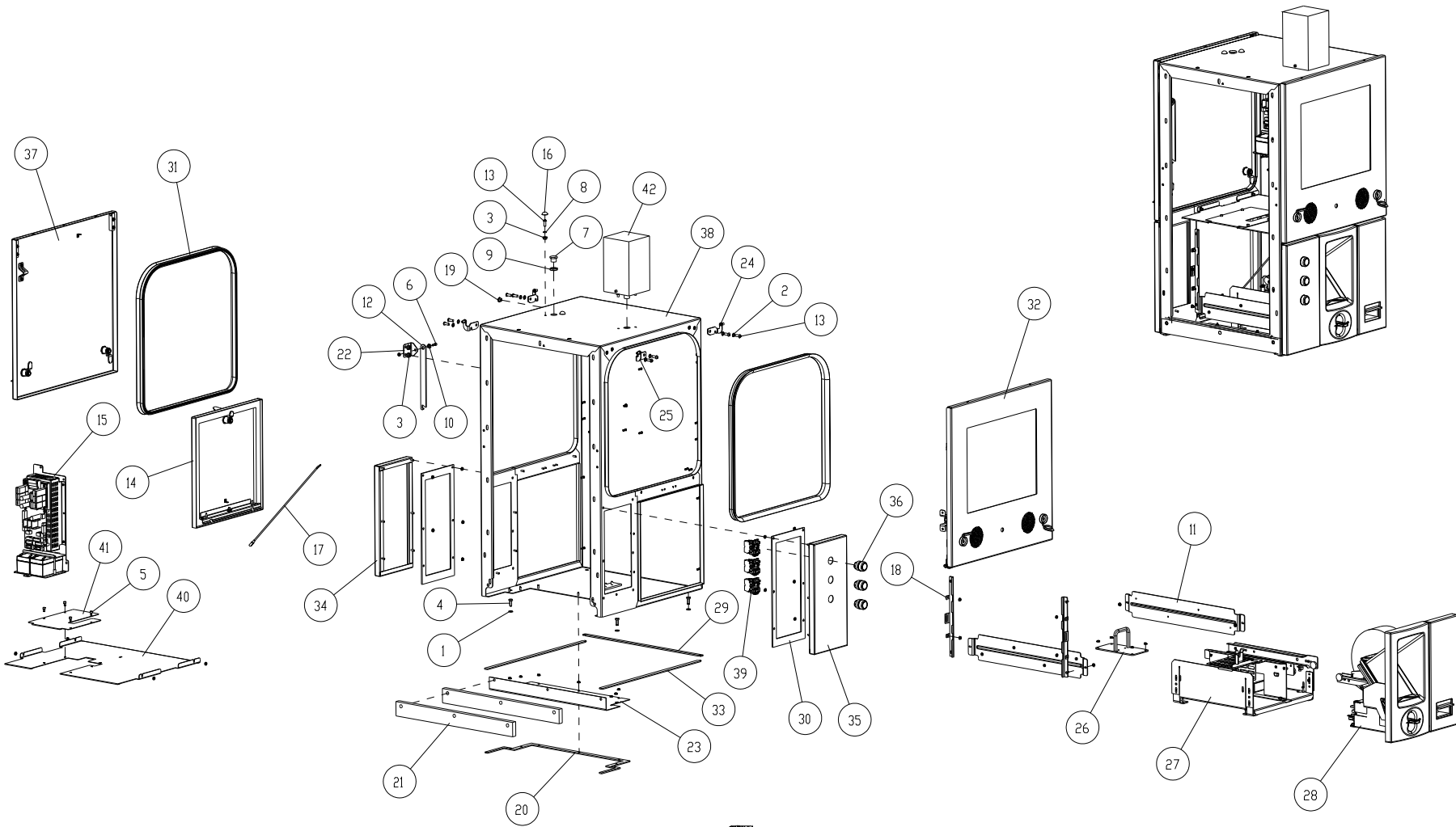
5.5 Media Calculator Head Assembly (Cont.)



Item No	Description	Désignation Français	Part No	Comments
29	Seal under Electronic Head	Joint sous la Tete Electronique	948034	
30	Seal Calc Box	Joint Calc Box	948174	
31	Seal Calc Door Housing MH	Joint Portillon MH	948178	
32	Calculator Door 17" TFT Asm	Portillon calc' 17" TFT Asm	-	Refer to MH LCD Door Assemblies
33	Seal Airgap - Calc Box	Joint Airgap - Calc Box	948243	
34	Top front panel assy	Panneau avant sup asm	948527	
	Top Front Panel Assy ALU	Panneau Avant Sup Asm ALU	951268	Aluminium
	Top Front Panel Assy SST	Panneau Avant Sup Asm Inox	948529	Stainless Steel
	Top Front Panel Assy ACP	Panneau Avant Sup Asm ACP	948531	Additional Corrosion Protection
35	Top front panel 1PB assy	Panneau avant sup 1BP asm	948892	
	Top Front Panel 1PB Assy ALU	Panneau Avant Sup 1BP Asm ALU	951224	Aluminium
	Top Front Panel 1PB Assy SST	Panneau Avant Sup 1BP Asm Inox	948893	Stainless Steel
	Top Front Panel 1PB Assy ACP	Panneau Avant Sup 1BP Asm ACP	948894	Additional Corrosion Protection
	Top Front Panel 3PB Assy	Panneau Avant Sup 3BP Asm	948528	
	Top Front Panel 3PB Assy ALU	Panneau Avant Sup 3BP Asm ALU	951226	Aluminium
	Top Front Panel 3PB Assy SST	Panneau Avant Sup 3BP Asm Inox	948530	Stainless Steel
	Top Front Panel 3PB Assy ACP	Panneau Avant Sup 3BP Asm ACP	948532	Additional Corrosion Protection
	Top Front Panel 4PB Assy	Panneau Avant Sup 4BP Asm	948764	
	Top Front Panel 4PB Assy ALU	Panneau Avant Sup 4BP Asm	951228	Aluminium
	Top Front Panel 4PB Assy SST	Panneau Avant Sup 4BP Asm Inox	948765	Stainless Steel
	Top Front Panel 4PB Assy ACP	Panneau Avant Sup 4BP Asm ACP	948766	Additional Corrosion Protection
	Top Front Panel 5PB Assy	Panneau Avant Sup 5BP Asm	948895	
	Top Front Panel 5PB Assy ALU	Panneau Avant Sup 5BP Asm ALU	951230	Aluminium
	Top Front Panel 5PB Assy SST	Panneau Avant Sup 5BP Asm Inox	948896	Stainless Steel
	Top Front Panel 5PB Assy ACP	Panneau Avant Sup 5BP Asm ACP	948897	Additional Corrosion Protection
36	Black Push Button	Bouton Poussoir Noir	948560-001	
37	Blind Calc Door MH Asm	Port Calc Aveugle MH Asm	948926	Refer to MH LCD Door Assemblies

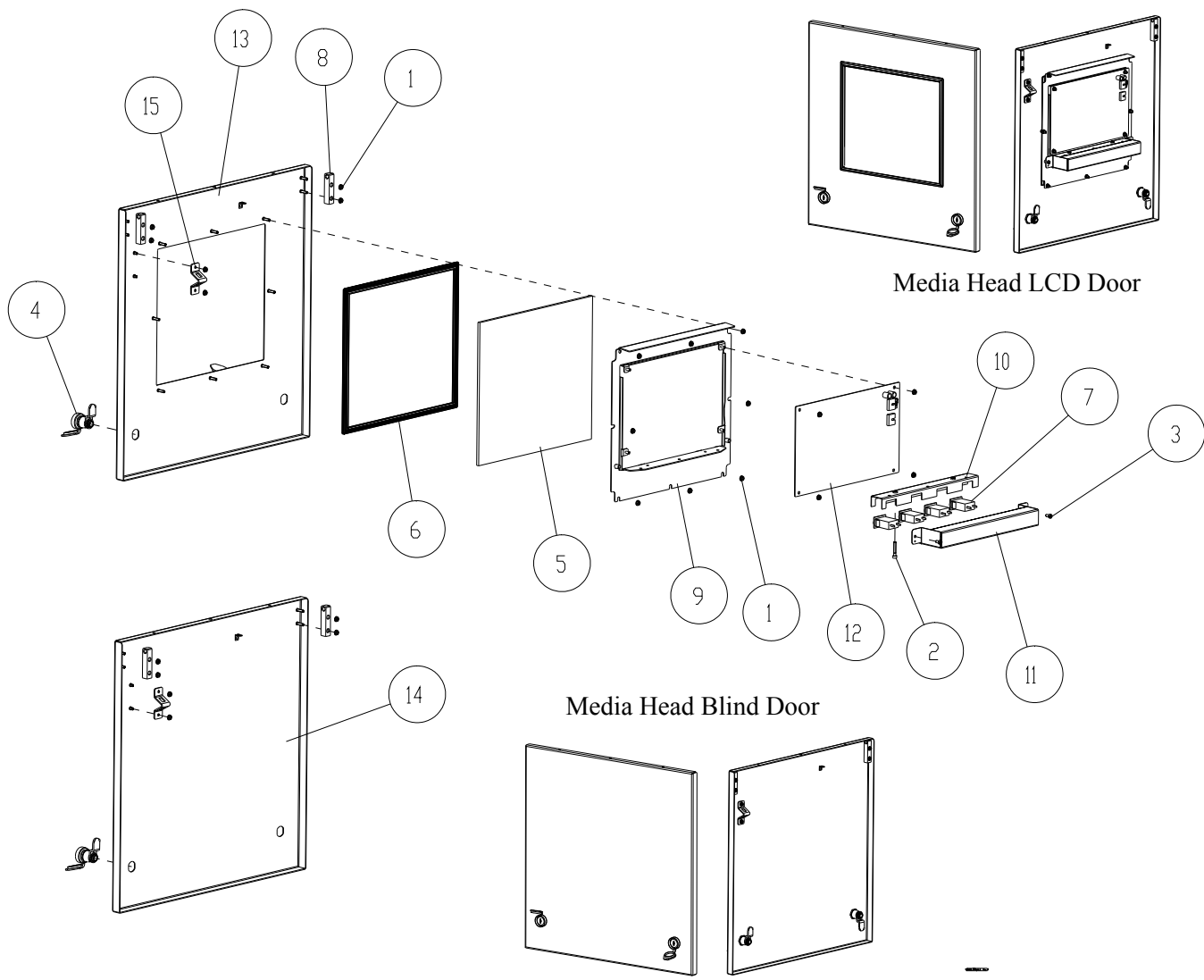
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5.5 Media Calculator Head Assembly (Cont.)



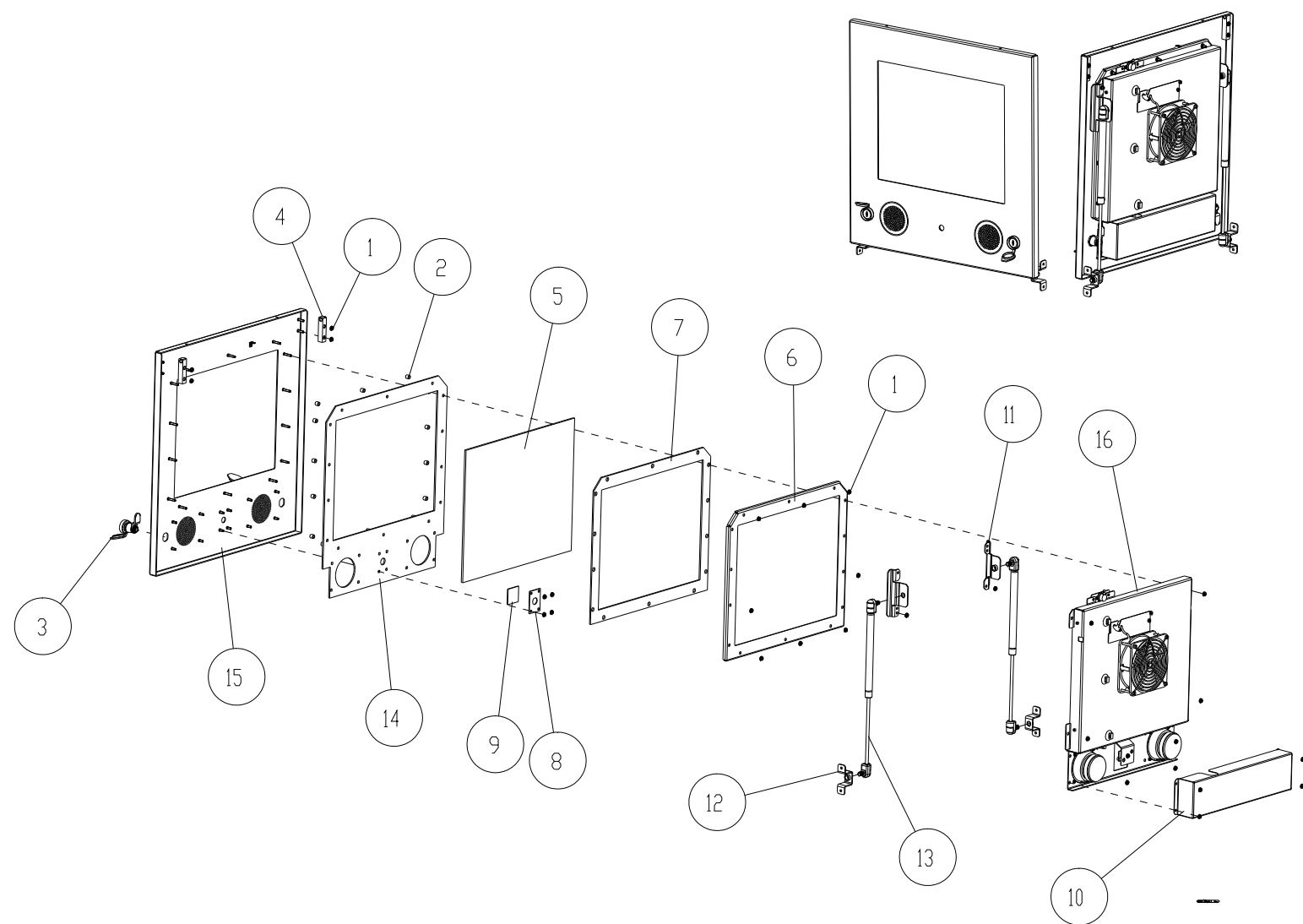
Item No	Description	Désignation Français	Part No	Comments
38	Calc Box Weld Assy MH	Calc Box Soudee Asm MH	949275	Standard
	Calc Box OPT Weld Assy MH	Calc Box OPT Soudee Asm MH	949276	OPT
	Calc Box ACP Weld Assy MH	Calc Box ACP Soudee Asm MH	949277	Additional Corrosion Protection
	Calc Box ACP OPT Weld Assy MH	Calc Box ACP OPT Soudee Asm MH	949278	ACP & OPT
	Calc Box SSSt Weld Assy MH	Calc Box Inox Soudee Asm MH	950699	Stainless Steel
	Calc Box SSSt OPT Weld Assy MH	Calc Box SSSt OPT Soudee Asm MH	950700	Stainless Steel & OPT
39	Switch PB Assy	Switch PB Assy	949306	
40	Security Plate TQC-VGA Assy	Tôle Protection TQC-VGA Asm	949374	
41	Extra Security Plate	Complément Tôle Protection	949375	
42	Lamp Assembly	Abot Jour	-	Refer to Signal Lamp Assemblies

5.5.1 MEDIA HEAD LCD DOOR ASSEMBLY



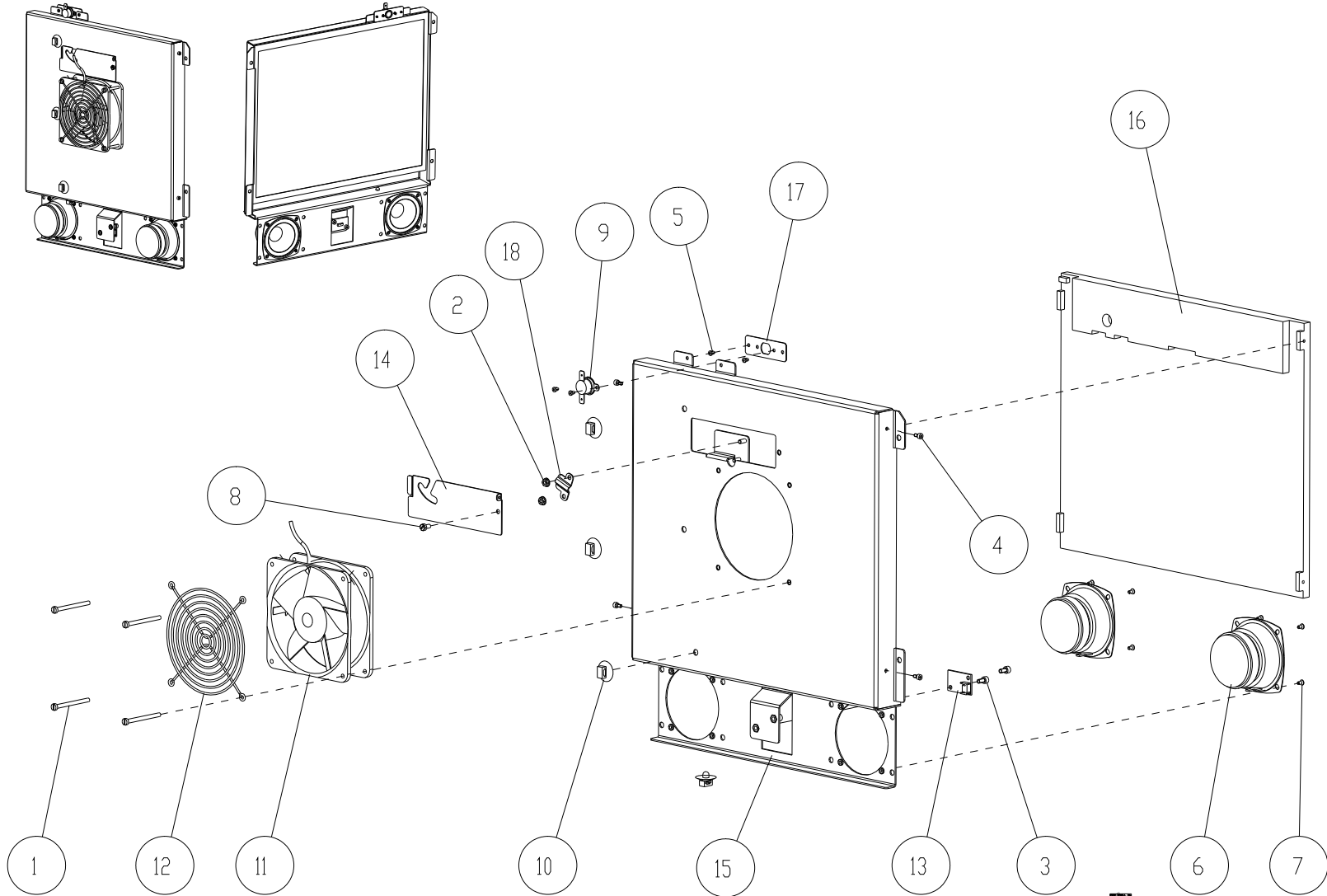
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Screw HSHC M4x25	Vis CHC M4x25	900017-020	
3	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
4	Lock Assy	Asm Serrure	-	Refer to Lock Assembly
5	Glass Q500T1	Glace Q500T1	905873	
6	Seal - Calc Glass Q510	Joint - Porte Calc Moule Q510	949979	
7	Electro-mechanical Totalizer	Totalisateur Electro-mechanique	940424	
8	Hingebar Brass Media	Gond Porte Colonne Star Media	942245	
9	TQC Display Bracket Q5T1 Assy	TQC Display Bracket Q5T1 Assy	943742	
10	TQC 1-4 EMT Bracket Assy TQC 5 EMT Bracket Assy	TQC 1-4 EMT Bracket Assy TQC 5 EMT Bracket Assy	943744-001 943744-002	5 Products only
11	TQC EMT Door Seal	TQC EMT Door Seal	943745	
12	TQC CSD Assy 1UPD+ Termination TQC CSD Assy 2UPD+ Termination TQC CSD Assy 3UPD+ Termination TQC CSD Assy 4UPD+ Termination TQC CSD Assy PPU + Termination	TQC CSD Assy 1UPD+ Termination TQC CSD Assy 2UPD+ Termination TQC CSD Assy 3UPD+ Termination TQC CSD Assy 4UPD+ Termination TQC CSD Assy PPU + Termination	945222 945223 945224 945225 949575	
13	Calc Door TQC-LCD Assy Calc Door TQC-LCD Assy ALU	Port Calc TQC-LCD Asm Port Calc TQC-LCD Asm ALU	948845 951191	Aluminium
14	Blind Calc Door MH Assy Blind Calc Door MH Assy ALU Blind Calc Door MH Assy SST	Port Calc Aveugle MH Asm Port Calc Aveugle MH Asm ALU Port Calc Aveugle MH Asm Inox	948848 951193 948924	Aluminium Stainless Steel
15	Calc Door Stay Tab	Calc Door Stay Tab	949300	

5.5.2 MEDIA HEAD VIDIUM DOOR ASSEMBLY



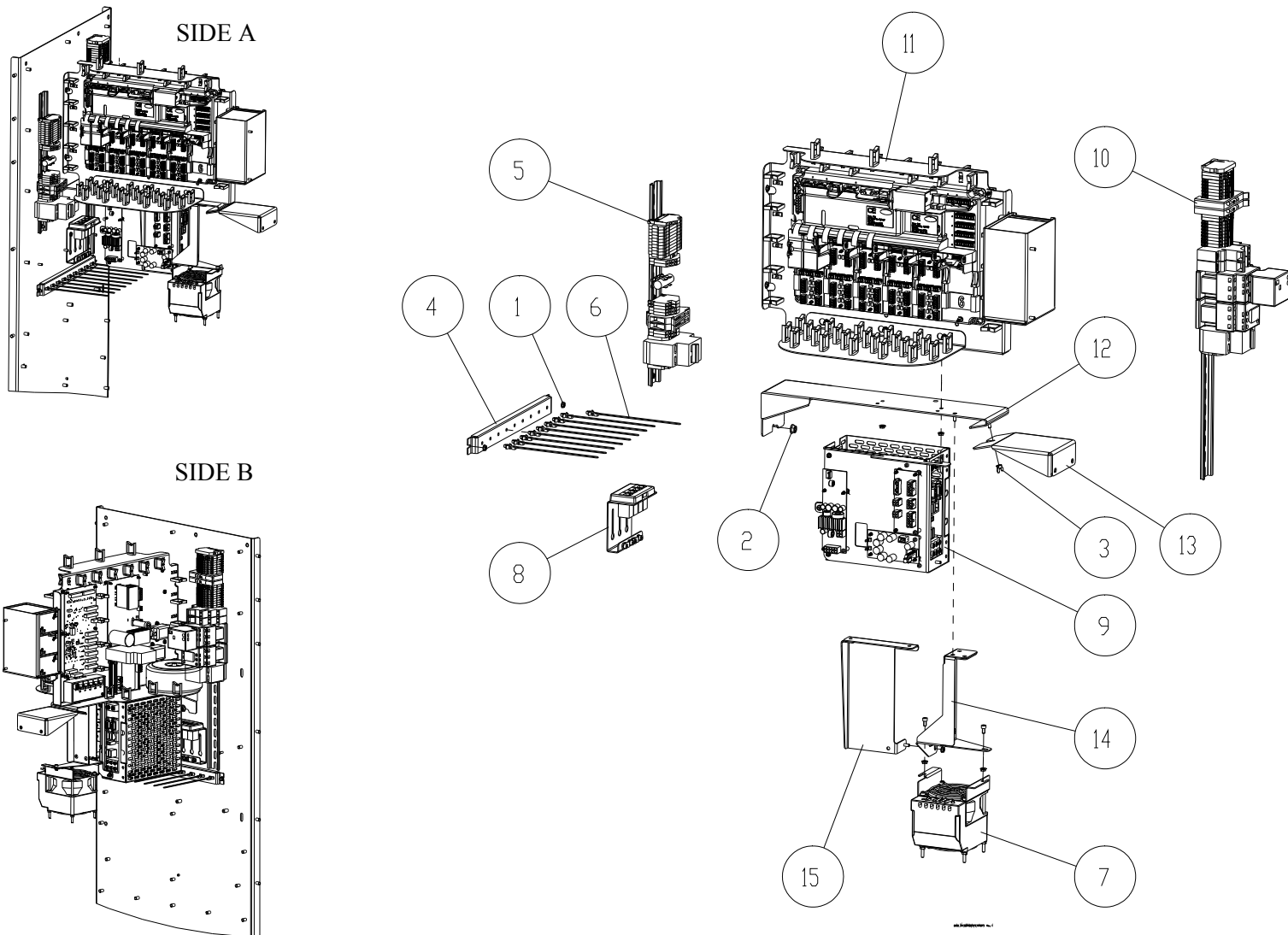
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Spacer 4.3x8x7	Entretoise Cyl 4.3x8x7	900024-028	
3	Lock Assy	Asm Serrure	-	Refer to Lock Assembly
4	Hingebar Brass Media	Gond Porte Colonne Star Media	942245	
5	Glass 17" TFT Screen	Glass 17" TFT Screen	944677	
6	Bracket 17"TFT Glass	Bracket 17"TFT Glass	944680	
7	Seal17" TFT Glass - Bracket	Seal 17" TFT Glass - Bracket	944684	
8	Bracket IR Door Glass 17" TFT	Bracket IR Door Glass 17" TFT	944685	
9	Glass IR Sensor 17" TFT Screen	Glass IR Sensor 17" TFT Screen	944686	
10	Speaker Cover Calc Door 17" TFT	Speaker Cover Calc Door 17" TFT	944687	
11	Gasstrut Door Bracket Assy	Support Vérin Porte Assembly	947812	
12	Gasstrut Head Bracket Assy	Support Vérin Tête Assembly	947814	
13	Gas Strut 150N L=375.5	Vérin 150N L=375.5	948031	
14	Seal 17" TFT Calc Door - Glass	Joint 17" TFT CalcDoor - Glass	948179	
15	Calc Door 17 TFT Assy	Port Calc 17 TFT Asm	948181	Aluminium Additional Corrosion Protection
	Calc Door 17 TFT Assy ALU	Porte Calc 17 TFT Asm ALU	951189	
	Calc Door 17 TFT Assy ACP	Port Calc 17 TFT Asm ACP	948760	
16	Main Bracket Equip 17" Led+Speak	Main Bracket Equip 17" Led+Speak	-	Refer to 17" LED TFT Display Asm

5.5.3 17" LED TFT DISPLAY ASSEMBLY



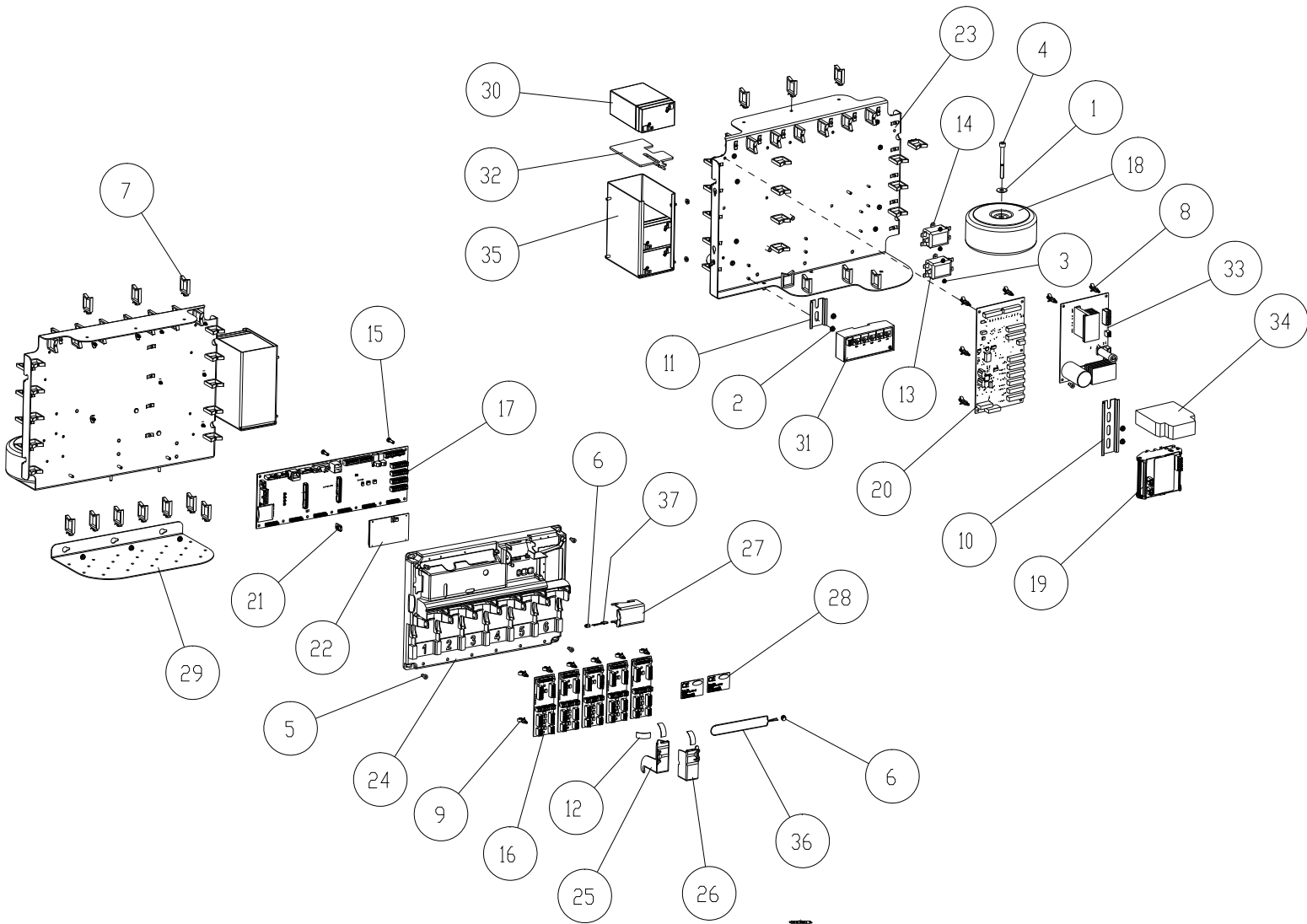
Item No	Description	Désignation Français	Part No	Comments
1	Screw Slotted Cheese Head	Vis a Tete Cylindrique Fendue	900007-007	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Screw HSHC M4x8	Vis CHC M4x8	900017-008	
4	Screw HSHC M3x6	Vis CHC M3x6	900017-016	
5	Rivet Rokut	Rivet Expansion	900022-002	
6	Speaker 8 Ohm 10W MM	Haut Parleur 8 Ohm 10W MM	900301-001	
7	Screw HSC M3x6	Vis FHC M3x6	900643-004	
8	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
9	Thermal Switch NC 60/45 DegC	Thermal Switch NC 60/45 DegC	903949-002	
10	Ty Wrap Base	Ty Wrap Baser	904084	
11	Fan 120x120x38/24v	Fan 120x120x38/24v	942459	
12	Screen Grating Fan d120	Screen Grating Fan d120	942487	
13	PCB/TQC-IRC/TQC IRDA Control Board	PCB/TQC-IRC/TQC IRDA Control Board	944697	
14	Seal Bracket Screen TQC-VGA	Seal Bracket Screen TQC-VGA	946577	
15	Main Bracket 17" TFT Assy	Main Bracket 17" TFT Assy	950033	
16	Display 17inch TFT-LED	Display 17inch TFT-LED	950035	
17	Insulation Plate	Plaque de Isolement	950063	
18	Cable Clamp TQC-VGA	Cable Clamp TQC-VGA	950156	

5.6 Media Head Components



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Wing Nut M4	Ecrou a Oreilles M4	904889-001	
4	Cable Support	Support de Cable	906485	
5	Rail TS-35 Assy 230Vac	Rail TS-35 Assy 230Vac	-	Refer to TQC Options Rail Assy
6	Cable Tie WIT-30RRA-4	Serre-câble WIT-30RRA-4	906966	
7	DBK Heater 350W	Chauffage DBK 350 W	909214-001	
8	Panduit 4XCAT5 Assembly	Panduit 4XCAT5 Assembly	-	Refer to Panduit Assembly
9	TQC-VGA SBC Bracket iBase TQC-VGA SBC Bracket Avalue+PSI	TQC-VGA SBC Bracket iBase TQC-VGA SBC Bracket Avalue+PSI	944693-001 944693-003	
10	Refer to TQC Mains Rail Assembly	Refer to TQC Mains Rail Assembly	-	Refer to TQC Mains Rail Assembly
11	TQC-VGA Centre Plate Assembly	TQC-VGA Centre Plate Assembly	-	Refer to TQC Centre Plate Assembly
12	TQC Bracket	Support TQC	949269	
13	Q510E Calc. Box Media Head Bracket	Q510E Calc. Box Media Head Support	949274	
14	Heater Bracket	Support Chaufferette	949932	
15	Heater Stiffener	Raidisseur Chaufferette	949997	

5.6.1 TQC VGA CENTRE PLATE ASSEMBLY

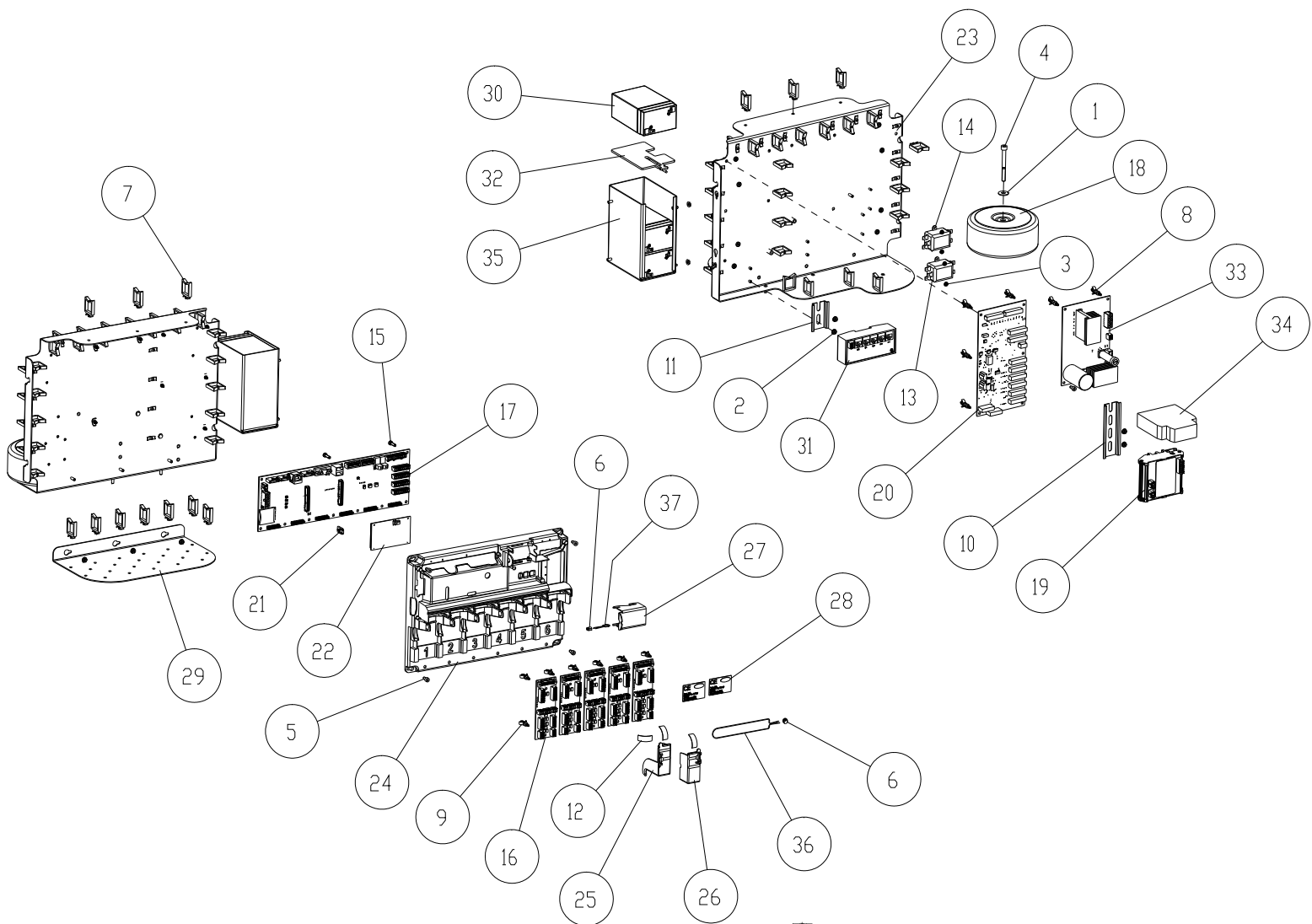


Item No	Description	Désignation Français	Part No	Comments
1	Washer PI L6	Rondelle Plate L6	900008-022	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
4	Screw HSHC M6x60	Vis CHC M6x60	900017-001	
5	Screw HSHC M4x8	Vis CHC M4x8	900017-008	
6	Sealing Lead D8 x 2.5	Plomb à Pincer	900040-002	
7	Wire Clip max entas. 19	Fixation câble Max Bundle 19	900058-001	
8	Lock. Circuitboard Support 9.5mm	Tabl Circ Verrouil Sup. 9.5mm	900456-001	
9	Lock. Circuitboard Support 4.8mm	Tabl Circ Verrouil Sup. 4.8mm	900456-002	
10	Rail TS 35 I=100	Rail de Bornier TS 35 I=100	901432-005	
11	Rail TS 35 I=50	Rail de Bornier TS 35 I=50	901432-014	
12	TQC Pulser Sticker Seal Dundee TQC Pulser Sticker Seal Grentheville TQC Pulser Sticker Seal Bladel TQC Pulser Sticker Seal SSD	TQC Pulser Sticker Seal Dundee TQC Pulser Sticker Seal Grentheville TQC Pulser Sticker Seal Bladel TQC Pulser Sticker Seal SSD	901689-235 901689-236 901689-237 901689-238	
13	Netfilter Schaffner 1 Amp	Netfilter Schaffner 1 Amp	906645-001	
14	Netfilter Schaffner 3 Amp	Netfilter Schaffner 3 Amp	906645-002	
15	Torx EJOT Delta PT D4x14	Vis Torx EJOT Delta PT D4x14	909903-002	
16	PCB/TQC002/HYM Hydraulic Module	PCB/TQC002/HYM Hydraulic Module	942184	
17	PCB/TQC001/EIO European IO Board	PCB/TQC001/EIO European IO Board	942283	
18	TQC-VGA Transformer 25V 225VA	TQC-VGA Transformer 25V 225VA	942357	
19	Energy Limiting Unit CAN Bus	Energy Limiting Unit CAN Bus	942387	
20	TQC European Slave IO Board	TQC European Slave IO Board	942687	
21	CAN Termination Connector CAN Bus	CAN Termination Connector CAN Bus	943355	
22	PCB/TQC011/APB/ARM9	PCB/TQC011/APB/ARM9	943567	
23	TQC T1 Centerplate Assy	TQC T1 Centerplate Assy	943721	
24	TQC Seal Cover	TQC Seal Cover	944070	
25	TQC HYM Seal Left	TQC HYM Seal Left	944072	

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5.6.1 TQC VGA CENTRE PLATE ASSEMBLY (CONT.)



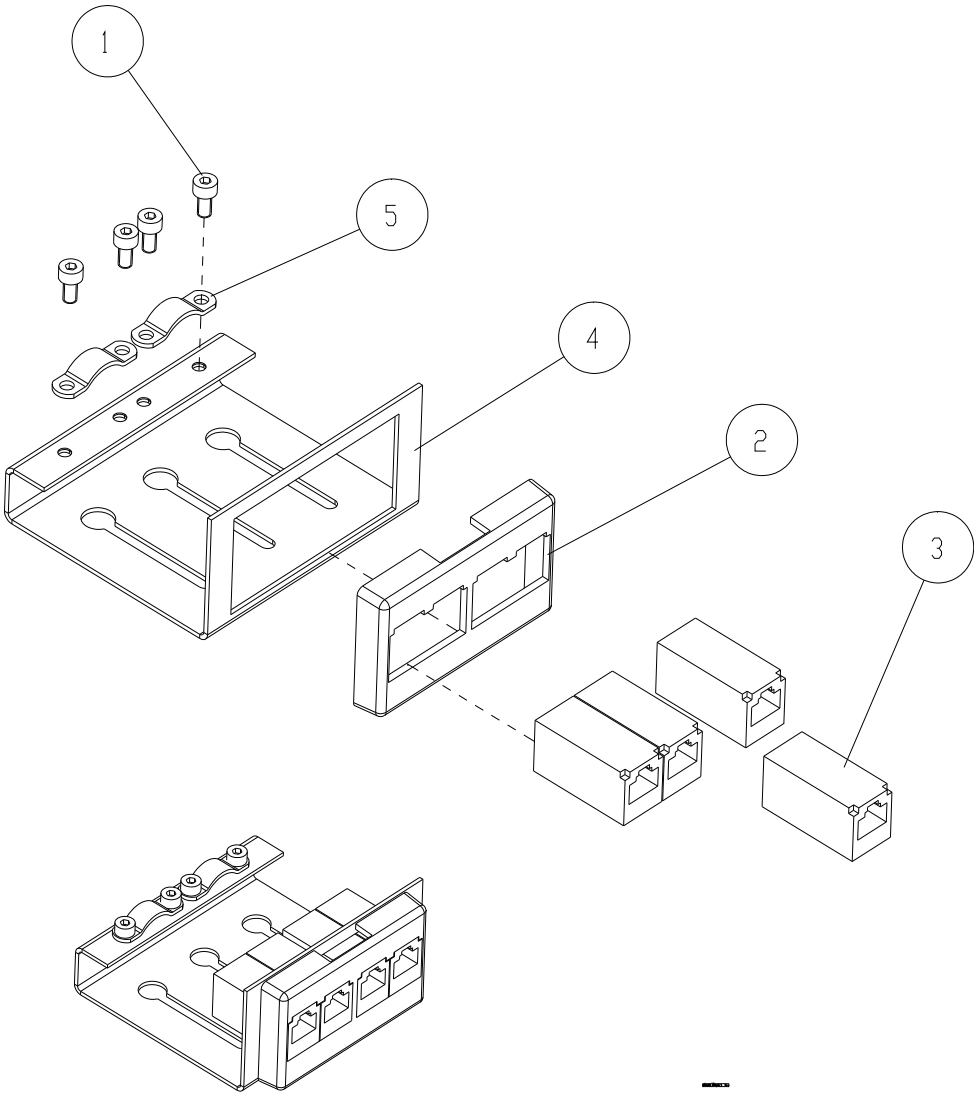
Item No	Description	Désignation Français	Part No	Comments
26	TQC HYM Seal Right	TQC HYM Seal Right	944073	
27	TQC EMT Seal	TQC EMT Seal	944074	
28	TQC Sticker Seal General SSD	TQC Sticker Seal General SSD	944076	
	TQC Sticker Seal MID Bladel	TQC Sticker Seal MID Bladel	944076-001	
	TQC Sticker Seal MID Grentheville	TQC Sticker Seal MID Grentheville	944076-002	
	TQC Sticker Seal MID Dundee	TQC Sticker Seal MID Dundee	944076-003	
29	TQC Cable Clip Bracket	TQC Cable Clip Bracket	944580	
30	Battery 6V 4 Ah Yuasa	Battery 6V 4 Ah Yuasa	944788	
31	Switch Ethernet 10/100 5 Ports	Switch Ethernet 10/100 5 Ports	946590-001	
32	TQC Thermistor NTC Assy	TQC Thermistor NTC Assy	947253	
33	PCB/TQC005L3/PSU-VGA	PCB/TQC005L3/PSU-VGA	947463	
34	RS232 to RS485 Converter DIN	RS232 to RS485 Converter DIN	950054	
35	TQC VGA Battery Bracket	TQC VGA Battery Bracket	950929	
36	Sealing Wire	Métallique Cacheter	-	
37	Sealing Wire	Métallique Cacheter	-	

This exploded view diagram illustrates the assembly of a 1U rack-mountable device. The components are numbered as follows:

- 1**: Main front panel with a handle.
- 2**: Screws for mounting the front panel to the chassis.
- 3**: Screws for mounting the front panel to the chassis.
- 4**: Screws for mounting the front panel to the chassis.
- 5**: Screws for mounting the front panel to the chassis.
- 6**: Screws for mounting the front panel to the chassis.
- 7**: Screws for mounting the front panel to the chassis.
- 8**: Internal component, likely a power supply or fan unit.
- 9**: Internal component, likely a fan unit.
- 10**: Internal component, likely a power supply or fan unit.
- 11**: Internal component, likely a fan unit.
- 12**: Internal component, likely a power supply or fan unit.
- 13**: Internal component, likely a fan unit.
- 14**: Internal component, likely a power supply or fan unit.

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
2	Screw HSHC M3x6	Vis CHC M3x6	900017-016	
3	Screw HSHC M2.5x6	Vis CHC M2.5x6	900017-032	
4	Lock. Circuitboard Support 9.5mm	Tabl Circ Verrouil Sup. 9.5mm	900456-001	
5	Spacer Thr Hex FF M3x30x7	Entretoise Hex FF M3x30x7	900711-005	
6	Spacer Thr Hex MF M3x10x8	Entretoise Hex MF M3x10x8	900711-013	
7	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
8	PCB/OPT055/SAB/Sound Amplifier	PCB/OPT055/SAB/Sound Amplifier	944184	
9	Add-on Bracket 1 TQC CP Assy	Add-on Bracket 1 TQC CP Assy	944692	
10	DC-DC Converter	DC-DC Converter	944779	
11	Seal Bracket SBC TQC-VGA	Seal Bracket SBC TQC-VGA	946149	
12	PCB/TQC021/PID Power IO Distri	PCB/TQC021/PID Power IO Distri	946424	
13	Cable LVDS - IBASE Connector	Cable LVDS - IBASE Connector	946816	
14	Assy SBC Board TQC-VGA	Assy SBC Board TQC-VGA	947782	

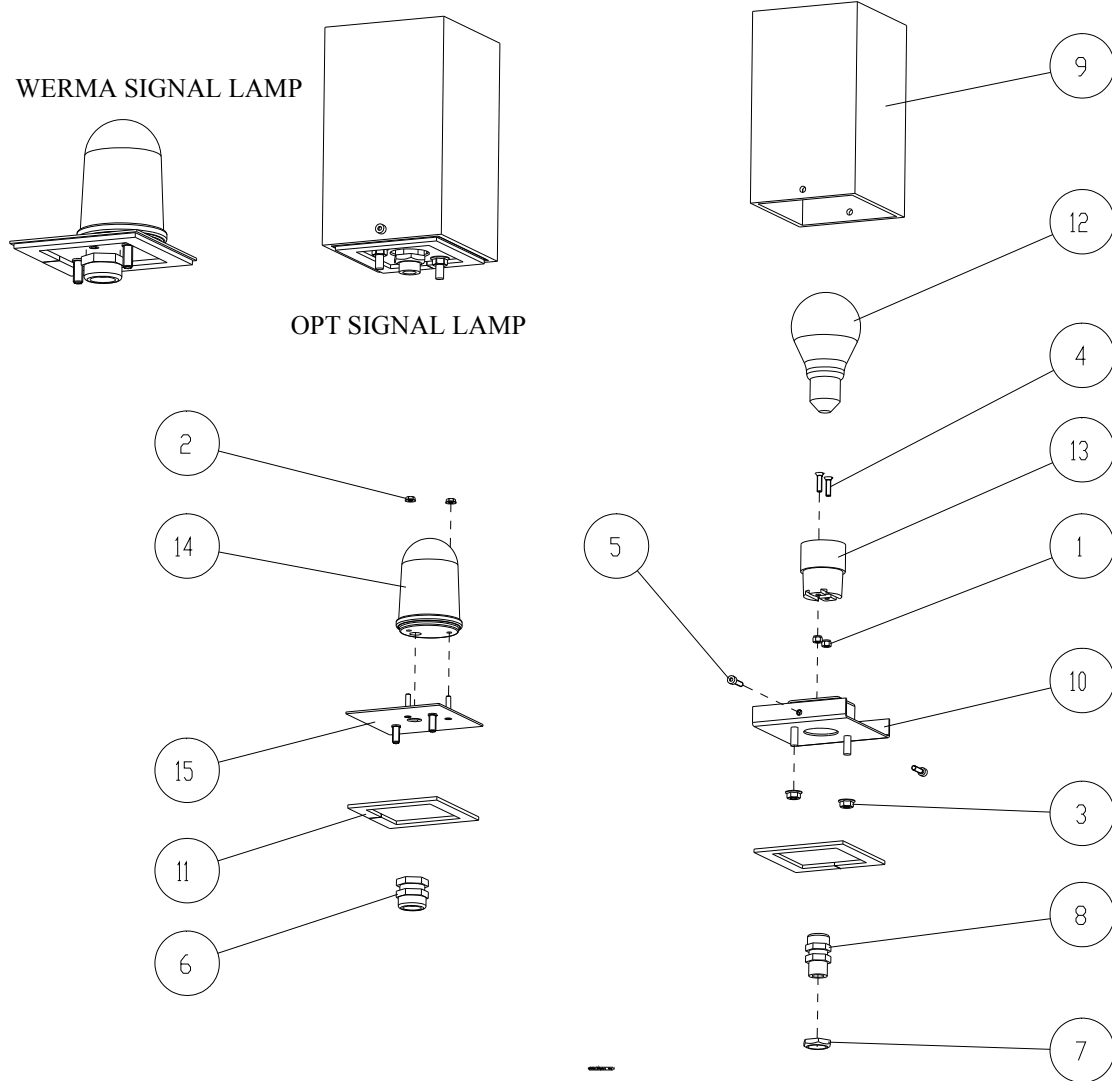
5.7 Panduit Assembly



Item No	Description	Désignation Français	Part No	Comments
1	Screw HSHC M4x8	Vis CHC M4x8	900017-008	
2	4 Pos.mini Face Plate	4 Pos.mini Face Plate	907116	
3	Coupler Cat 5	Coupler Cat 5	907117	
4	Panduit Bracket	Panduit Bracket	907122	
5	Pull Relief "Betterman"	Tirez le Soulagement "Betterman"	940008	

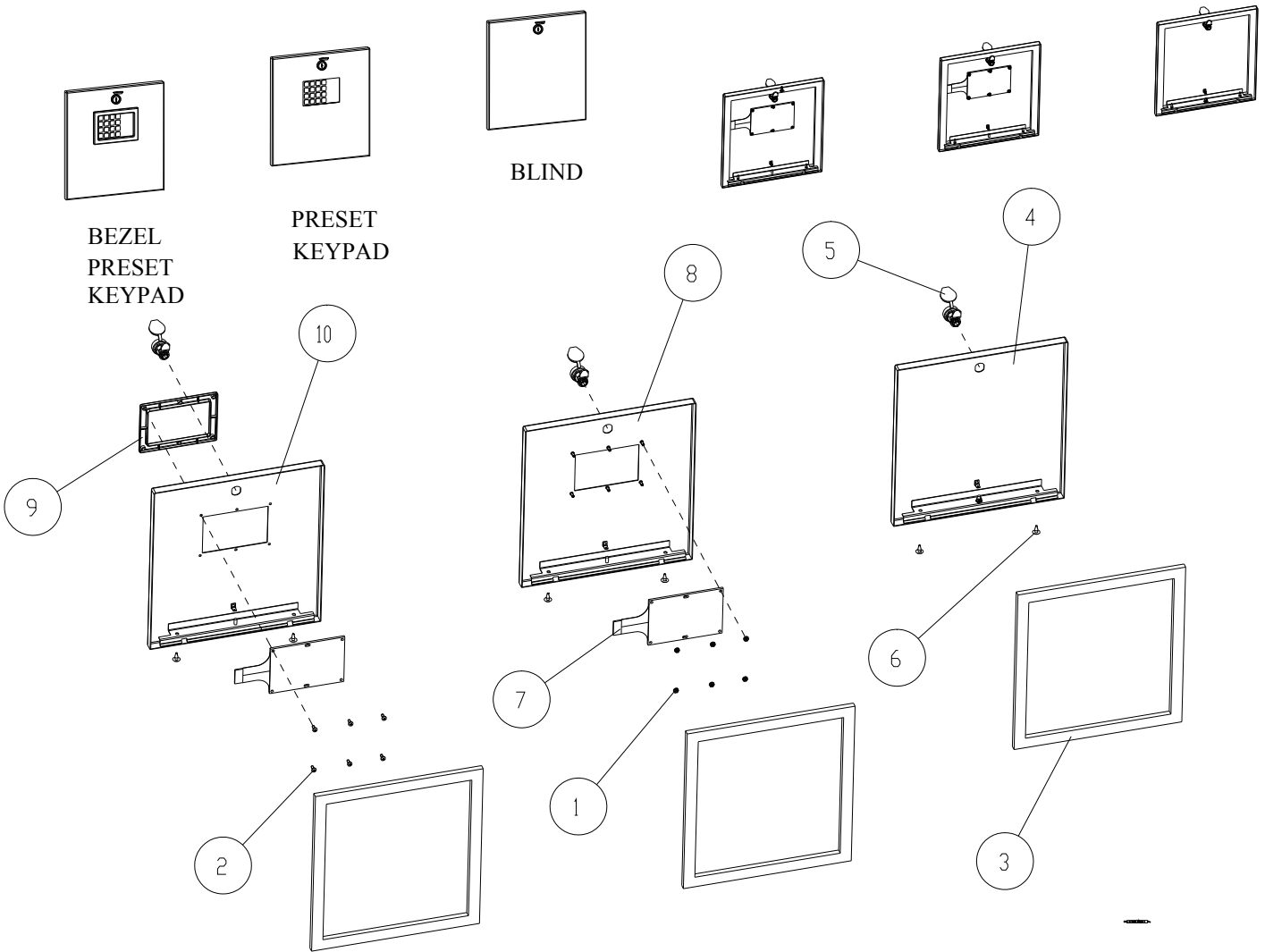


5.8 Signal Lamp Assemblies



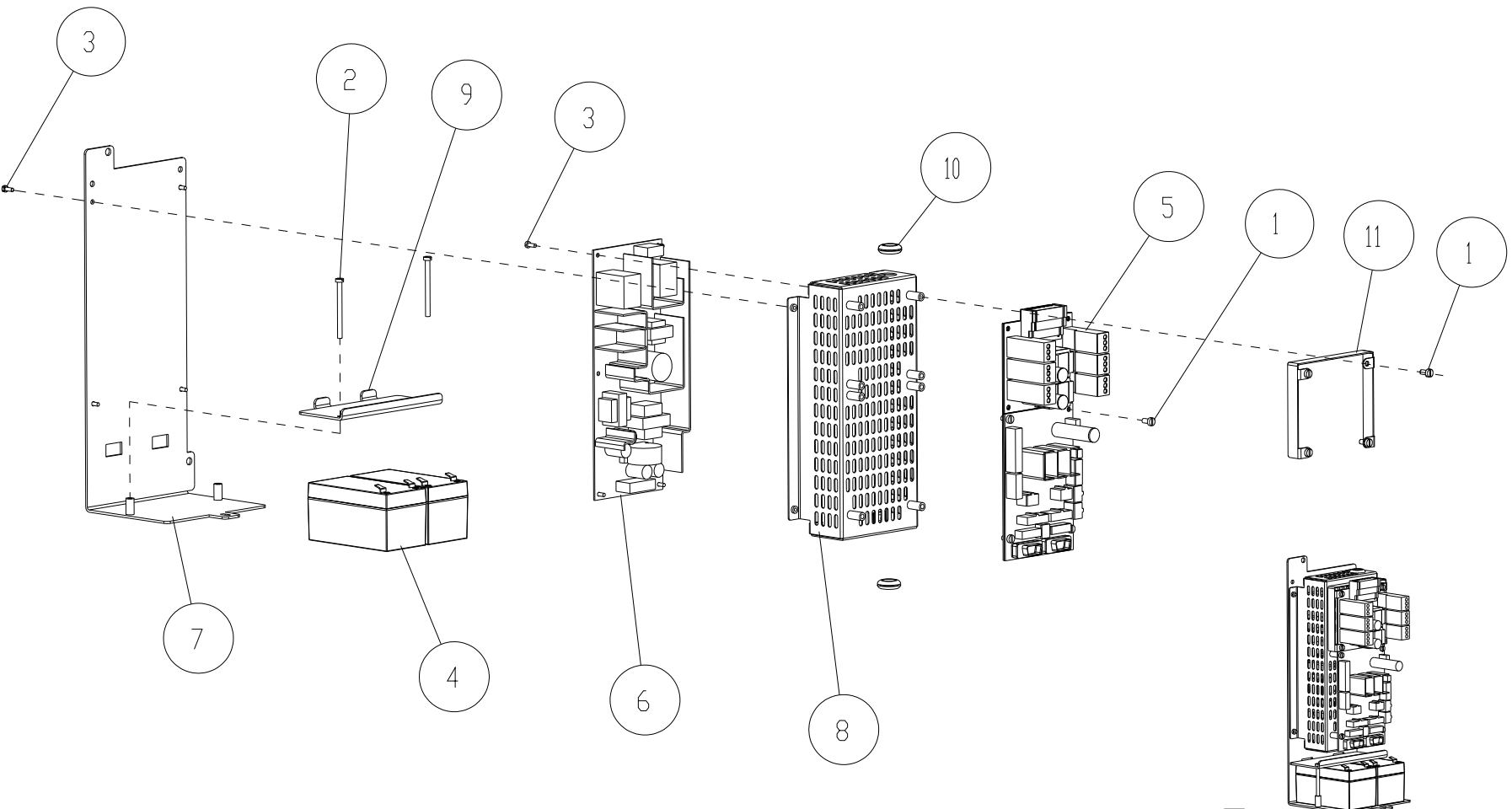
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M4	Ecrou Frein M4	900012-004	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Screw SCS M4x16	Vis FS M4x16	900014-007	
5	Screw HSHC M4x16	Vis CHC M4x16	900017-014	
6	Gland M12 x 1.5 Eexe II 3.5 - 6mm	PE M12 x 1.5 Eexe II 3.5 - 6mm	900064-002	
7	Nut Hex M16 x 1,5 (Capri)	Ecrou Hex M16 x 1,5 (Capri)	900088-004	
8	GLAND M16X1,5 Eexell 5-8mm	PE M16X1,5 Eexell/ 5-8mm	900362-001	
9	OPT Lamp Cover OPT Lamp Cover Red	OPT Abot Jour OPT Couvre Lampe Rouge	902307 943090	Standard Red
10	OPT Lamp Base	OPT Garniture	902308	
11	OPT Lamp Seal	OPT Etancheteite	902309	
12	Lamp	Lampe	902312-001	
13	E27 Lampfitting	E27 Garniture	902313-001	
14	Werma 210 Signal Lamp	Werma 210 Signal Lamp	943466	
15	Werma Lamp Adaptor	Werma Lamp Adaptor	943467	

5.9 DIT Door Assemblies



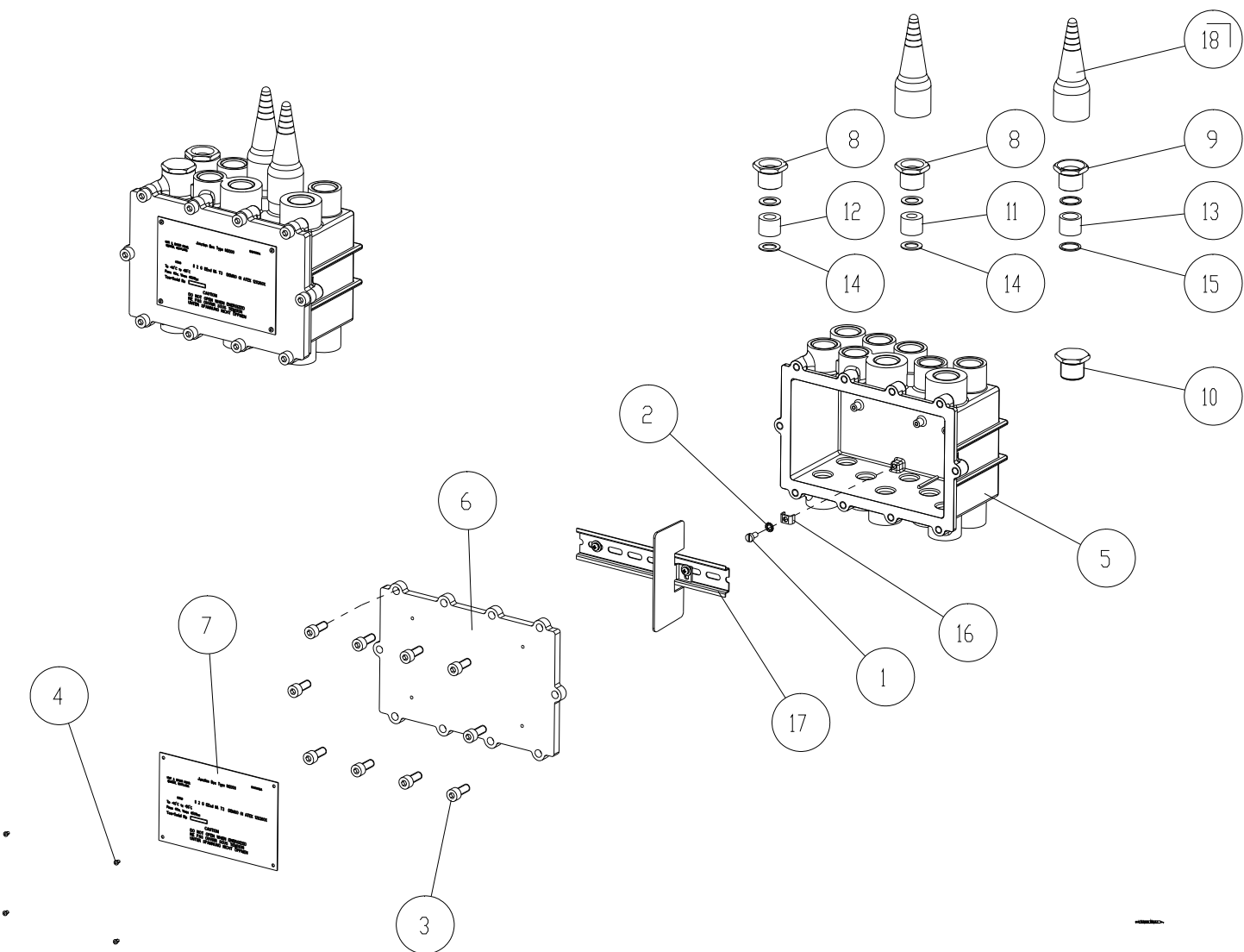
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
2	Screw CRRCH M4 x 10	VIS CBLZ M4 x 10	900052-003	
3	DIT Blind Door Seal	DIT Joint Porte Aveugle	900676	
	Seal DIT Door Top	Seal DIT Door Top	953107	
	Seal DIT Door Side	Seal DIT Door Side	953108	
	Seal DIT Door Bottom	Seal DIT Door Bottom	953109	
4	Q500T DIT Blind Door Assy	Q500T DIT Asm Porte Aveugle	900813	
	Q510 DIT Blind Door Alu	Q510 DIT Porte Aveugle Alu	951117	Aluminium
	DIT door blind ACP asm	Porte DIT aveugle ACP asm	950473	Additional Corrosion Protection
	DIT blind door SSt assembly	DIT asm porte aveugle inox	946833	Stainless Steel
5	Lock Assembly	Lock Assembly	-	Refer to Lock Assembly
6	Drive Fastener D5/13.5 T3 NA	Att à pression D5/13.5 E3 NA	901058-001	
7	Membrane keyboard 4x4	Clavier préde 4x4	902470	
8	DIT Door Weldasy Preset Keypad	DIT Porte Soude Bloc De Touche	903101	
	DIT Door Asy Preset Keypad Alu	CIT Porte Soude Bloc De Touche	951120	Aluminium
	DIT Door Assy Pres Keypad Acp	CIT Porte Bloc De Touche Acp	907066	Additional Corrosion Protection
9	Bezel Preset Keypad	Clavier prédé Couvercle	942247	
10	DIT door bezel keypad assy	Porte DIT clavier protégé asm	944137	
	DIT door bezel keypad Alu	Porte DIT clavier protégé Alu	951121	Aluminium
	DIT door blind ACP asm	Porte DIT aveugle ACP asm	950473	Additional Corrosion Protection
	DIT door bezel keypad SSt assy	Porte DIT clav prot. inox asm	946835	Stainless Steel

5.10 Power Supply Unit for DIT Assembly



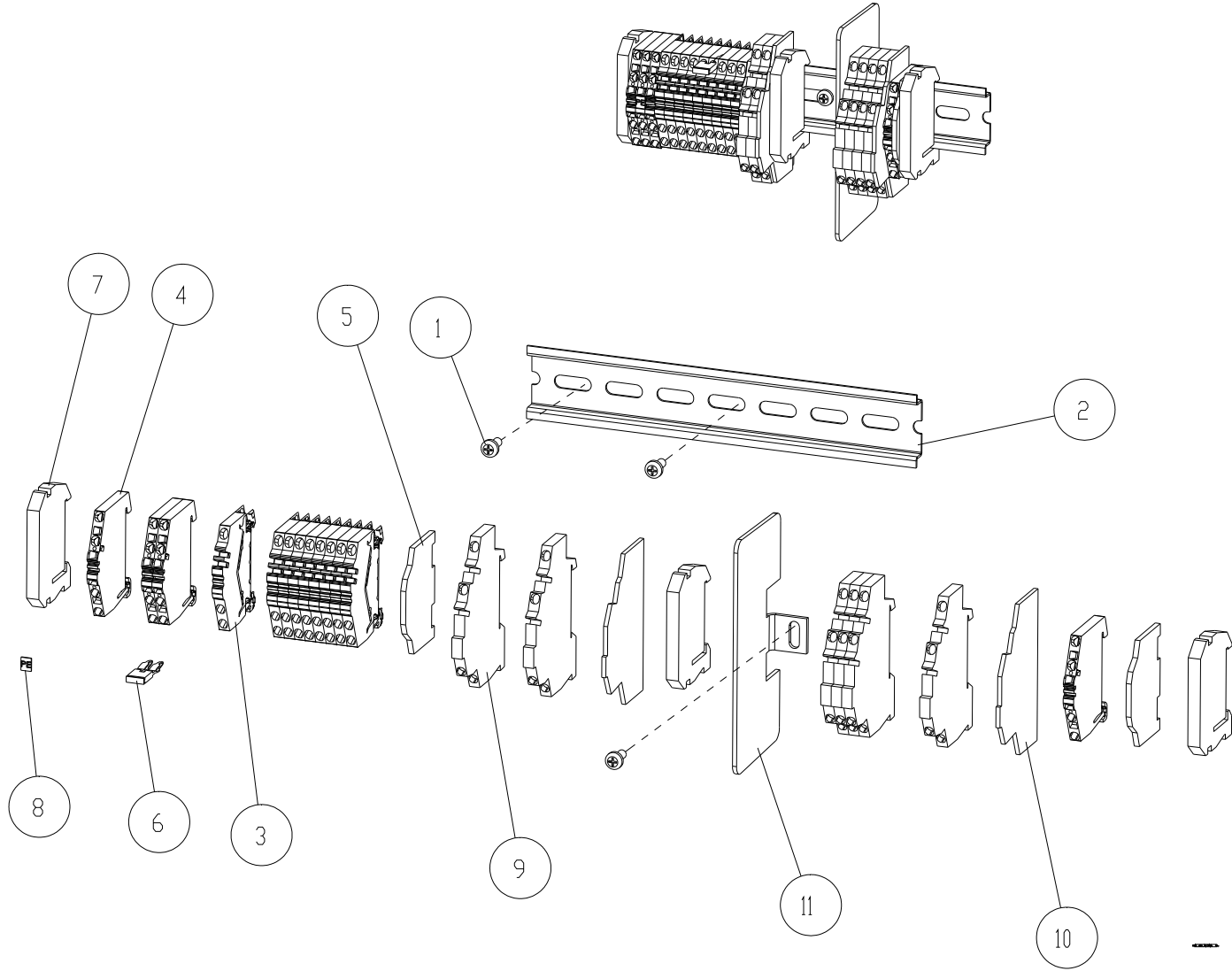
Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x8	Vis CS M4x8	900007-003	
2	Screw SCH M4x50	Vis CS M4x50	900007-007	
3	Screw SCH M3x8	Vis CS M3x8	900007-008	
4	Battery 12V 1.2 Ah (box type)	Batterie 12V 1.2 Ah	900072	
5	PCB/OPT012/PIB/PWR INT BRD	PCB/OPT012/PIB/CARTE ALIM/COMM	901310	
6	PCB/OPT/MPSU/COSEL LEB150F	PCB/OPT/MPSU/COSEL LEB150F	901454	
7	DIT PSU Bracket	DIT PSU Encadrer	902076	
8	Cosel OPT PSU Cover	Cosel OPT PSU Couvrir	902078	
9	DIT PSU Battery Bracket	DIT PSU Batterie Encadrer	902079	
10	Cable Protector Gen	Câble Protecteur Gen	902080	
11	DIT PSU PCB Guard	DIT PDU PCB Protecteur	902601	

5.11 Main Junction Box Assembly



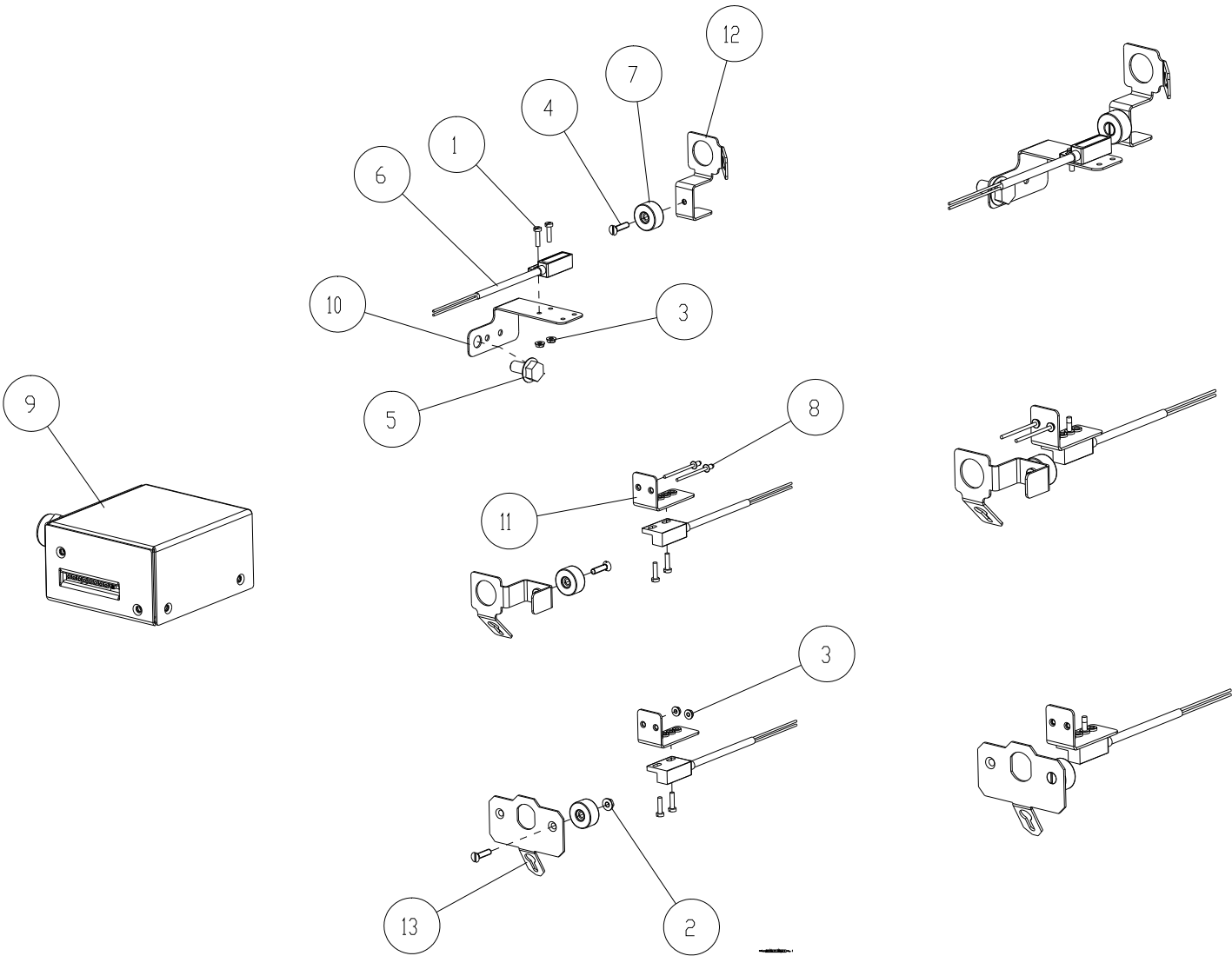
Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M5x10	Vis CS M5x10	900007-004	
2	Washer Serr Lock Ext M5	Rondelle a Dents DEC M5	900009-005	
3	Screw HSHC M8x20	Vis CHC M8x20	900017-002	
4	Rivet Rokut	Rivet Expansion	900022-002	
5	Junction Box-M2000-Series	Boitier de Connection-M2000	900104	
6	Cover Junction Box M2000	Couvercle Boitier Connection	900105	
7	Typelate Junction Box M2000T	Plaque no Serie Boitier	901689-148	
8	Gland Exd M25 14mm	Ecrou P.E. M25 14mm	900108	
9	Gland Exd M25 19mm	Ecrou P.E. M25 19mm	900109	
10	Blindstop Exd M25	Bouchon M25	900110	
11	Grommet 8-11	Bouchon 8-11	900111	
12	Grommet 10-13	Bouchon 10-13	900112	
13	Grommet 14-17	Bouchon 14-17	900113	
14	Back-up Ring 8-13	Rondelle Acier	900114	
15	Back-up Ring 14-17	Rondelle Acier	900115	
16	Grounding Clamp	Borne de Mise La Terre	900118	
17	Rail TS 35 I=190	Rail de bornier TS 35 I=190	901432-012	
18	Cable Shroud	Cable Suaire	904534	

5.11.1 MAIN JUNCTION BOX INTERNAL COMPONENTS



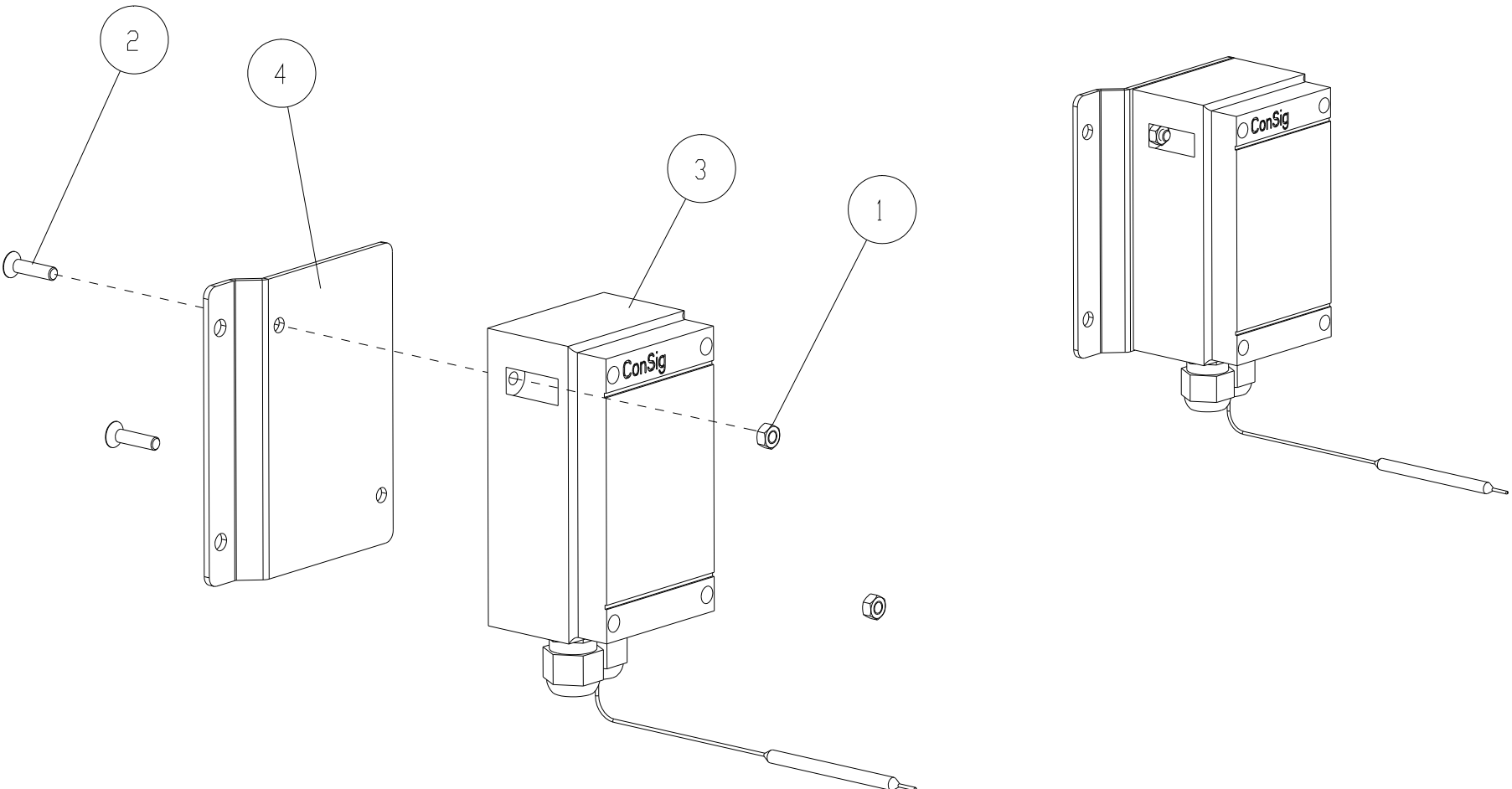
Item No	Description	Désignation Français	Part No	Comments
1	Screw CRRCHTF M4x10	Autotara Cyl Bomb Emp Cru M4x10	900078-004	
2	Rail TS 35 L=190	Rail de bornier TS 35 L=190	901432-012	
3	Clamp 3 x 0,13 - 2,50 mm Beige	Borne 3 x 0.13 - 2.50mm Beige	909416-001	
4	Clamp 4 x 0,13 - 2,50 mm GN/YE	Borne 4x0.13-2.50mm Vert/Jaune	909416-002	
5	End Plate Orange	Plaque Separation Orange	909416-003	
6	Jumper 2 Pole	Jonction 2 Voies	909416-004	
	Jumper 3 Pole	Jonction 3 Voies	909416-005	
7	End Bracket Beige	Extremite Stop Beige	909416-006	
8	Code Letter "L1"	Code Letter "L1"	909416-007	
	Code Letter "L2"	Code Letter "L2"	909416-008	
	Code Letter "L3"	Code Letter "L3"	909416-009	
	Code Letter "N"	Code Letter "N"	909416-010	
	Code Letter "PE"	Code Letter "PE"	909416-011	
	Blank Code Letter	Blank Code Letter	909416-012	
	Code Letter "1-10"	Code Letter "1-10"	909416-017	
	Code Letter "11-20"	Code Letter "11-20"	909416-018	
	Code Letter "L4"	Code Letter "L4"	908994-001	
	Code Letter "L5"	Code Letter "L5"	908994-002	
	Code Letter "L6"	Code Letter "L6"	908994-003	
	Code Letter "N6"	Code Letter "N6"	908994-004	
9	Clamp 2x2x 0.13-2.50mm Beige	Borne 2x2x 0.13-2.50mm Beige	909416-013	
10	End Plate Orange for Clamp -013	Plaque Separa Orange pour -013	909416-014	
11	Divider Plate Junction Box	Plaque de Séparation Jonction Box	940340	

5.12 Anti-Fraud Assemblies



Item No	Description	Désignation Français	Part No	Comments
1	Screw Slotted Cheese Head	Vis a Tete Cylindrique Fendue	900007-010	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
4	Screw SCS M4x16	Vis FS M4x16	900014-007	
5	Screw HFHSL M8x16	Vis Hex Bride Autobloquant M8x16	900016-006	
6	Magnetic Proximity Switch	Contact Magnetique de Proximite	900387-001	
7	Magnet 20x4.4x10	Aimant 20x4.4x10	900757-001	
8	Rivet CS Open End 3.2x6	Rivet Fraise Ouvert 3.2x6	909586-001	
9	FPM Security Case	Boitier Securite	948365	
10	Q210 Programming Switch Bracket	Support du Switch de Programmation	949036	
	Q110 Programming Switch Bracket	Support du Switch de Programmation	949037	
11	Reed Switch Bracket R/H	Reed Switch Bracket R/H	949192	
12	Hydraulic Fraud Bracket	Hydraulic Fraud Bracket	949218	
13	Anti-fraud Magnet Bracket	Anti-fraud Magnet Bracket	949355	Q510 only

5.13 Fire Detection Assembly



Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex M6	Ecrou H M6	900011-001	
2	Screw HSC M6x25	Vis FHC M6x25	900643-007	
3	Fire Detector - Stahl	Detection de Feu	903291	
4	Fire Detector Bracket LPG	Support Detecteur Feu GPL	949430	



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GLOSSARY OF ABBREVIATIONS

DIT – DISPENSER INTEGRATED TERMINALS

HMS – HOSE MANAGEMENT SYSTEM

NNB – NARROW NOZZLE BOOT

HS / LS – HIGH SPEED / LOW SPEED

MPE-EC – ENHANCED PULSER METER, ELECTRONIC CALIBRATION

POS – POINT OF SALE

TQC – TOKHEIM QUALITY CALCULATOR

TQM – TOKHEIM QUALITY METER

TQP-RS – TOKHEIM QUALITY PUMP - REGULAR SPEED

TQP-HS – TOKHEIM QUALITY PUMP - HIGH SPEED

VR – VAPOUR RECOVERY

WWC – WORLD WIDE CALCULATOR



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