



Parts Manual

Wayne Helix™ dispenser

WM048522

Rev 08



AE

Read this manual before starting any installation, service, or maintenance work

Fuel dispensers contain both electrical components and a hazardous, flammable and potentially explosive liquid. Failure to follow the below precautions and the Warning and Caution instructions in this manual may result in serious injury. In addition, it is your responsibility to follow all rules, codes, regulations, and laws that apply to your location and type of work being performed.

Safety precautions

Make sure that ALL power to the dispenser is turned OFF before opening the cabinet or starting work. Physically lock, restrict access to, and/or tag the circuit breakers you turn off. In addition, be sure to trip (close) all emergency valves under the dispenser (if installed) BEFORE you begin.

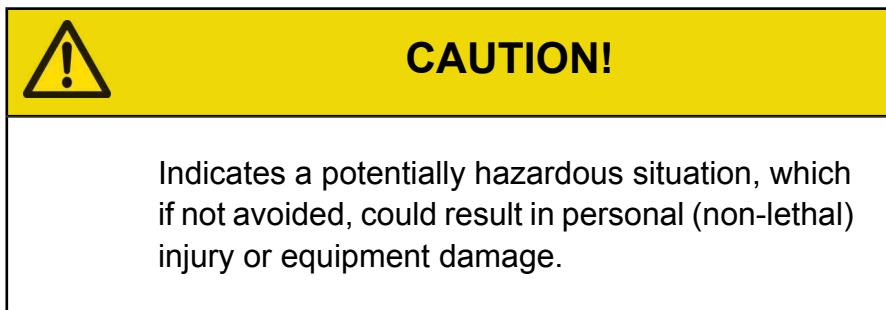
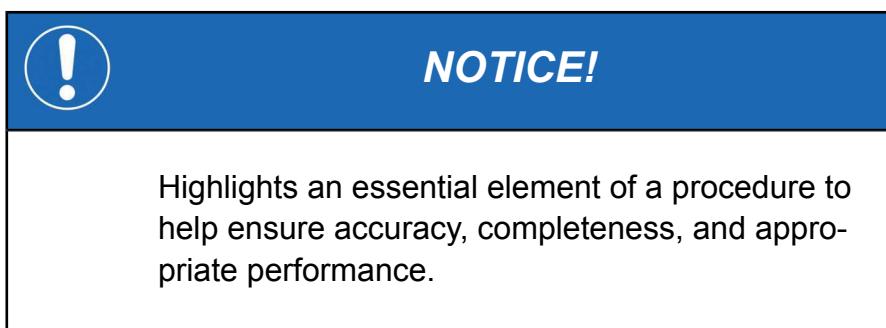
Make sure that you locate the facility's emergency shut-off button, and know how to turn OFF power to the dispenser and submersible pumps (if any) in an emergency.

Never allow a leaking pump to run! Use appropriate measures to clean up any fuel on the forecourt, and ensure that any leaks or issues that could cause a leak are attended to and repaired immediately.

Indicators and notations

Note!

Indicates extra information or tip.





WARNING!

INDICATES A POTENTIALLY HAZARDOUS SITUATION, WHICH, IF NOT AVOIDED COULD RESULT IN DEATH OR SERIOUS INJURY.



DANGER!

INDICATES A HAZARDOUS SITUATION, WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.

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1 Health and Safety Regulations

It is important that the following rules and regulations are followed when flammable liquids are used:

- It is prohibited to smoke and light fire or bring open flame close to the pump.
- Stop the engine while refuelling.
- The distribution box must be easily accessible and access must not be blocked by goods etc.
- Always ask a specialist to make electrical installations of any kind. Special regulations are applicable!
- Please watch for any leakage from pumps. If there is a leakage, cut all power to the pump and call Wayne After Sales Service.
- Make sure that a suitable fire extinguisher is in place and is easily accessible.
- To avoid malfunction or damage to the pump, make sure that there is enough fuel in each tank.
- Adequate personal safety equipment should be used during maintenance of the equipment (gloves, breathing mask, glasses etc.).

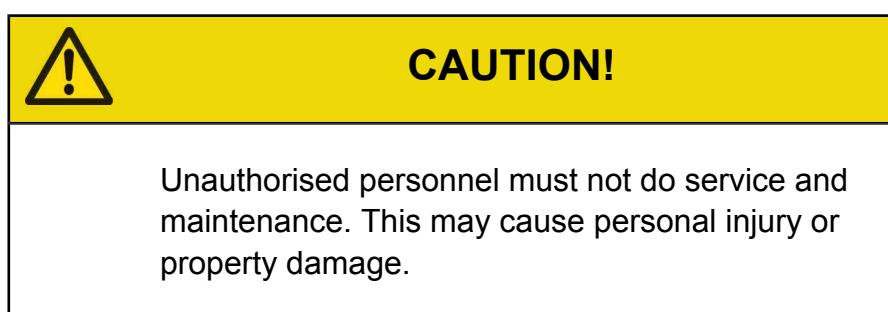
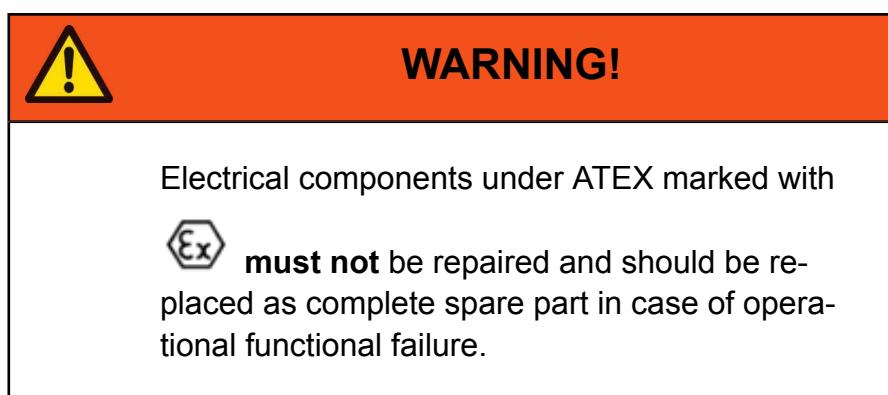
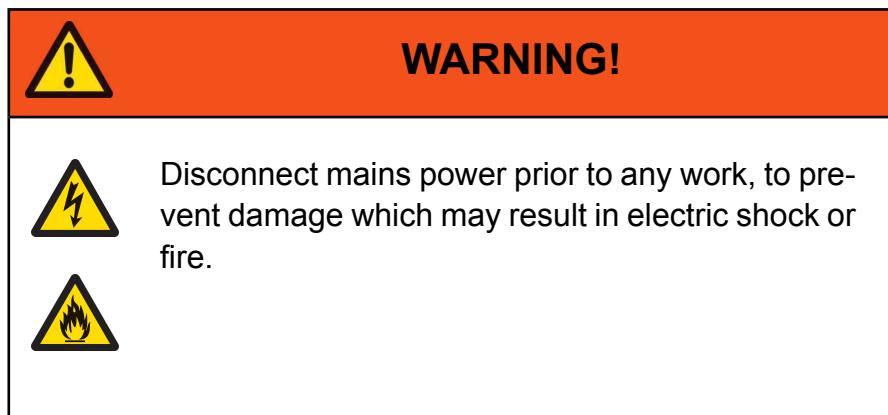
2 Introduction

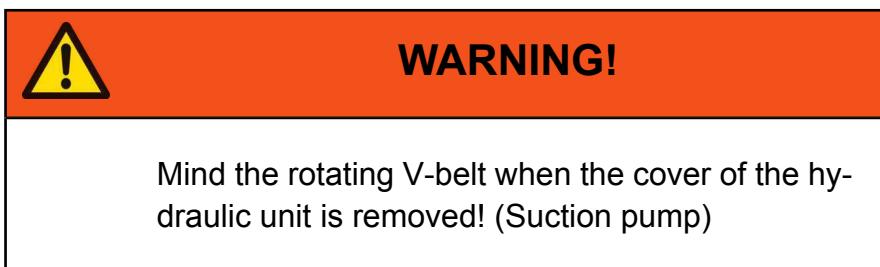
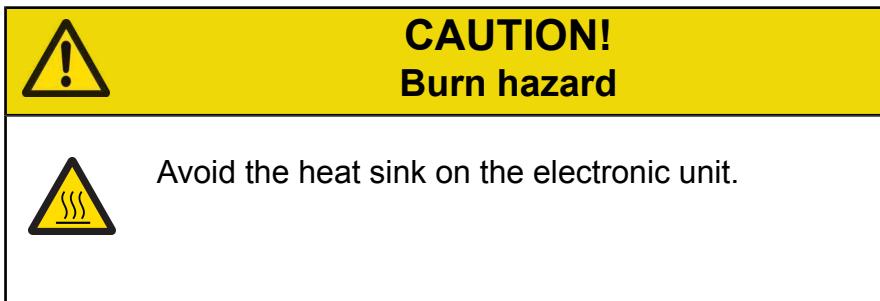
Also read "User Manual", "Installation manual" and "Service manual".

The supplier's product liability is only valid if no alterations, additions etc. have been made to the equipment without the supplier's express permission.

Use only genuine parts.

Consider the environment. Please don't print this document unless you really need to.





2.1 Separation of power supply

Separation is done by removing the main fuse of the pump on the station.

2.2 Electrostatic discharge (ESD)

Before service/maintenance of a pump discharging must be done. This is done when you open the covers of the pump with a key.

If an extensive repair work is to be done, discharge should be done regularly by touching the key.

2.3 Dispensers covered

	
Wayne Helix™ 1000 fuel dispenser "Small style narrow" IEC	Wayne Helix™ 2000 fuel dispenser "Small style wide" UL & IEC
	
Wayne Helix™ 4000 fuel dispenser "H-style narrow" UL & IEC	Wayne Helix™ 5000 fuel dispenser "H-style wide" UL & IEC

	
Wayne Helix™ 6000 fuel dispenser "C-Style" IEC	Wayne Helix™ 6000 fuel dispenser combo, DEF "C-Style" IEC
	
Wayne Helix™ 6000 fuel dispenser, DEF "C-Style" IEC	Wayne Helix™ 1000 fuel dispenser, LPG "Small style narrow" IEC

2.4 Abbreviations

ALU = Aluminum

CAT = Customer Activated Terminal

EH = Electronic Head

EHPM = Electronic Head and Payment Terminal

EMT = ElectroMechanical Totalizer

ESD = Electrostatic discharge

ISB = Intrinsically Safe Barrier

LEE = Lower Electronic Enclosure

LT = Low Temperature

LTS = Lift To Start

MUX = Multiplexor

PT = Pay Terminal

SPM = Secure Payment Module

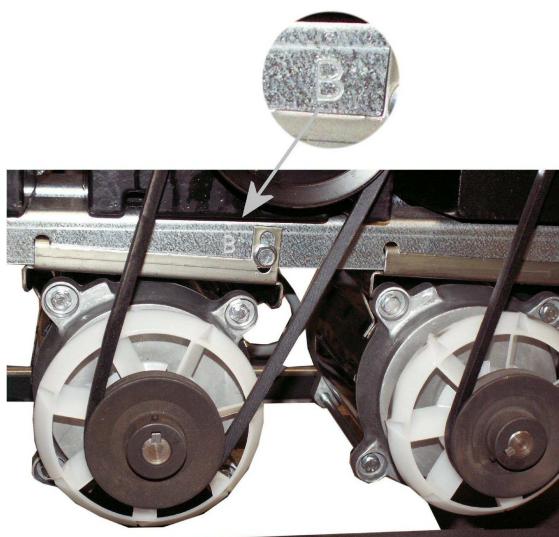
Std = Standard

TRAC = Transponder Activated CAT

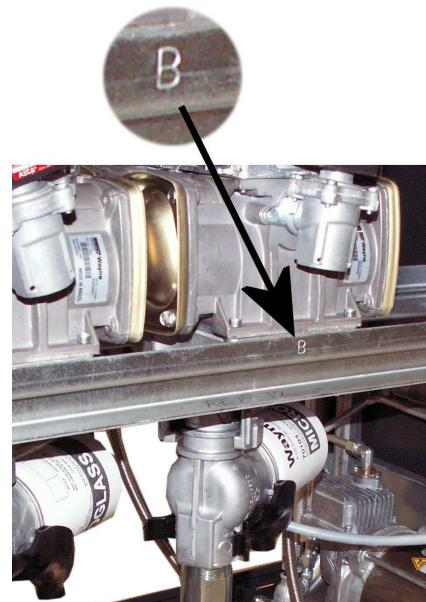
UPD = Unit Price Display

VR = Vapor Recovery

2.5 Side A - Side B



suction pump



remote pump

2.6 DEF, AdBlue®, SCR, urea

AdBlue®, generically known as DEF (Diesel Emission Fluid), is the registered trademark for AUS32 (32.5% urea and 67.5% demineralised water by weight).

DEF is used in a process called Selective Catalytic Reduction (SCR) to reduce emissions of oxides of nitrogen from the exhaust of diesel engined motor vehicles.

DEF is a very aggressive chemical fluid, however not flammable. Therefore it is extremely sensitive to contamination from other fluids, metals etc. The only approved testing liquid during production is distilled water that does not contaminate the urea product.

There are always distilled water remaining in valves and other fragile parts and as distilled water have a freezing point of around 0° Celsius it means that equipment for DEF has to be kept above freezing point during all phases of the transportation between the factory and to the time of installation, when it is put into operation and primed with DEF.

If the DEF/distilled water in the dispenser is allowed to freeze, components in the dispenser must be inspected for damage before the dispenser is placed back into service. Additives may not be used in DEF to lower the DEF freezing point.

The AdBlue® trademark is currently held by the German Association of the Automobile Industry (VDA), who ensure quality standards are maintained in accordance with ISO 22241 specifications.

3 Quick reference

Description	Page
Belt, Z-profile	213
Cable	330
Card reader	84
Connection board	63
Drip pan	283
Electromechanical totalizer with connector (EMT)	109
Hose	320
Hydraulic module	211
iGem™ boad (CPU board)	62
ISB (Intrinsically Safe Barrier)	65
iX board	75
Lock, individually keyed, 6 locks, 2 keys (for entire pump)	272
Motor	213
Nozzle	314
Power supply, +24V, 150W, global	65
Printer	94
Sales/volume display	104
SPM keypad	78
Tubes	19

4 Hydraulic configurations (tubes)

Tubes and couplings see page 287.

4.1 Helix 1000

S(N/I) 11-210 120	<p>Side B</p> <p>Side A</p>
S(N/I) 22-211	<p>Side B</p> <p>Side A</p>
S(N/I) 11-211 120/40	<p>Side B</p> <p>Side A</p>

4 Hydraulic configurations (tubes)

S(N/I) 11-110	<p style="text-align: center;">Side B</p> <p style="text-align: center;">Side A</p>
S(N/I) 11-11	<p style="text-align: center;">Side B</p> <p style="text-align: center;">Side A</p>
S(N/I) 11-110 90	<p style="text-align: center;">Side B</p> <p style="text-align: center;">Side A</p>

S(N/I) 11-211 H 120/40	<p>Side B</p> <p>WM053084</p> <p>WM053032</p> <p>WM053033</p> <p>1B</p> <p>2</p> <p>1</p> <p>1A</p> <p>1</p> <p>2</p> <p>1</p> <p>1A</p> <p>Side A</p>
S(N/I) 11-211 H 120/120 (90 SIM)	<p>Side B</p> <p>WM053036</p> <p>WM053038</p> <p>WM053032</p> <p>WM053033</p> <p>1B</p> <p>2</p> <p>1</p> <p>1A</p> <p>1</p> <p>2</p> <p>1</p> <p>1A</p> <p>Side A</p>
S(N/I) 11-110 DEF	<p>Side B</p> <p>WM061500</p> <p>1</p> <p>1A</p> <p>1</p> <p>Side A</p>

4 Hydraulic configurations (tubes)

S(N/I) 11-11 DEF	<p>Side B</p> <p>WM061508</p> <p>WM061500</p> <p>1A</p> <p>1B</p> <p>Side A</p>
S(N/I) 11-110 LPG	<p>Side B</p> <p>WM057717</p> <p>WM060242, WM058695</p> <p>2</p> <p>1A</p> <p>1B</p> <p>Side A</p>
S(N/I) 11-211 LPG	<p>Side B</p> <p>WM057717</p> <p>WM057719, WM058695</p> <p>1</p> <p>2</p> <p>WM057717</p> <p>WM057719, WM058695</p> <p>1A</p> <p>1B</p> <p>Side A</p>

4.2 Helix 2000 - Small style

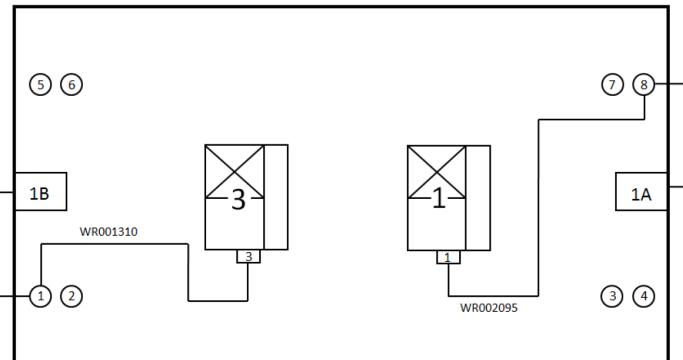
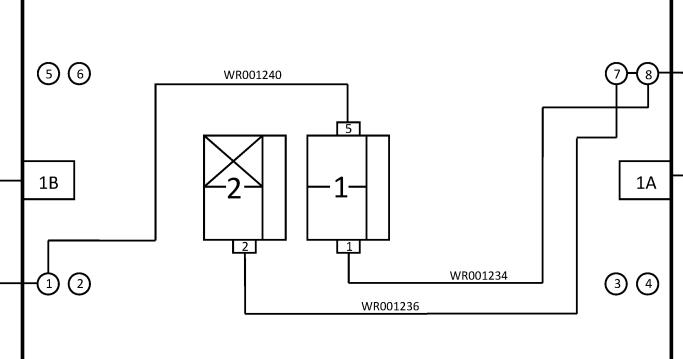
S(W/I)11-111	<p>Side B</p> <p>WR001240</p> <p>WR001230</p> <p>Side A</p>
S(W/I)11-111 *	<p>* Alternative configuration for suction UL</p> <p>Side B</p> <p>WR002101</p> <p>WR002095</p> <p>Side A</p>
S(W/I)11-110	<p>Side B</p> <p>WR001230</p> <p>Side A</p>

4 Hydraulic configurations (tubes)

S(W/I)11-110 *	<p>* Alternative configuration for suction UL</p> <p>Side B</p> <p>Side A</p>
S(W/I)11-110 (90)	<p>Side B</p> <p>Side A</p>
S(W/I)11-210 H	<p>Side B</p> <p>Side A</p>

<p>S(W/I)11-210 H Alternative configuration for Xflo</p>	<p>Side B</p> <p>Side A</p>
<p>S(W/I)11-210 SAT (IEC)</p>	<p>Side B</p> <p>Side A</p>
<p>S(W/I)22-211 (IEC)</p>	<p>Side B</p> <p>Side A</p>

4 Hydraulic configurations (tubes)

<p>S(W/I)22-211 * * Alternative configuration for UL</p>	 <p>Side B</p> <p>WR001310</p> <p>WR002095</p> <p>Side A</p>
<p>S(W/I)11-211 H (120/40)</p>	 <p>Side B</p> <p>WR001240</p> <p>WR001234</p> <p>WR001236</p> <p>WR001230</p> <p>Side A</p>

S(W/I)11-211 H	<p>Side B</p> <p>WR001242 WR001244 2 1 WR001234 WR001236 1B 1A ① ② ⑤ ⑥ ⑦ ⑧ ③ ④</p> <p>Side A</p>
S(W/I)11-311 H (120 SIM) (Released for suction only)	<p>Side B</p> <p>WR002101 WR002099 WM042209 3 2 1 WR002095 WR002097 1B 1A ① ② ⑤ ⑥ ⑦ ⑧ ③ ④</p> <p>Side A</p>
S(W/I) 22-211 Suction DEF S(W/I) 22-211 Remote DEF DEF always on position 3	<p>Side B</p> <p>WM061526 3 1 WM061790 1B 1A ① ② ⑤ ⑥ ⑦ ⑧ ③ ④</p> <p>Side A</p>

4 Hydraulic configurations (tubes)

<p>S(W/I) 22-311 120/40 Suction DEF S(W/I) 22-311 120/40 Remote DEF DEF always on position 3</p>	
<p>S(W/LU) 11-111</p>	
<p>S(W/LU) 11-111 * * Alternative configuration for suction UL</p>	

S(W/LU) 11-211 H	<p>Side B</p> <p>WR001242</p> <p>WR001244</p> <p>WR001234</p> <p>WR001236</p> <p>Side A</p> <p>1B</p> <p>(5) (6)</p> <p>(1) (2)</p> <p>(3) (4)</p> <p>(7) (8)</p> <p>1A</p>
S(W/L) 11-210 H	<p>Side B</p> <p>WR001232</p> <p>WM045663</p> <p>WR001234</p> <p>Side A</p> <p>(5) (6)</p> <p>(1) (2)</p> <p>(3) (4)</p> <p>(7) (8)</p> <p>1A</p>
S(W/LU) 11-211 H (120/40)	<p>Side B</p> <p>WR001240</p> <p>WR001234</p> <p>WR001236</p> <p>Side A</p> <p>1B</p> <p>(5) (6)</p> <p>(1) (2)</p> <p>(3) (4)</p> <p>(7) (8)</p> <p>1A</p>

4 Hydraulic configurations (tubes)

S(W/LU) 11-31 H (120 SIM) (Released for suction only)	<p>Side B</p> <p>WR002101 WR002099 WM042209</p> <p>Side A</p>
S(W/LU)22-222	<p>Side B</p> <p>WR001312 WR001314</p> <p>WR001310</p> <p>WR001308</p> <p>Side A</p>
S(W/L)22-220	<p>Side B</p> <p>WR001310</p> <p>WR001230</p> <p>Side A</p>

4.3 Helix 4000 - Narrow body

H(N/LU) 11-110	<p>Side B</p> <p>Side A</p>
H(N/LU) 11-11 Valid also for suction UL	<p>Side B</p> <p>Side A</p>
H(N/LU) 11-21 H H(N/LU) 23-21 H(N/LU) 24-21 H(N/LU) 25-21	<p>Side B</p> <p>Side A</p>

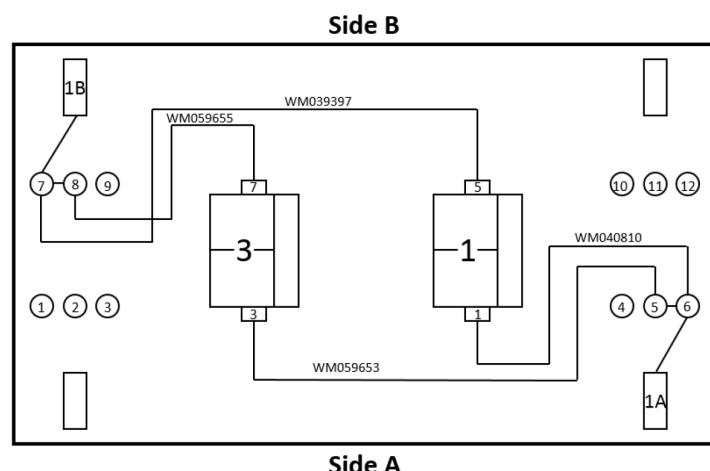
4 Hydraulic configurations (tubes)

H(N/LU) 11-21 H *

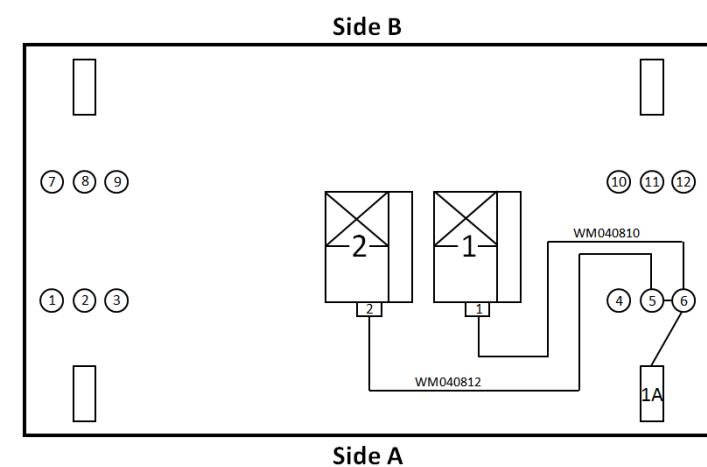
H(N/LU) 23-21 *

H(N/LU) 25-21 * (model
not released)

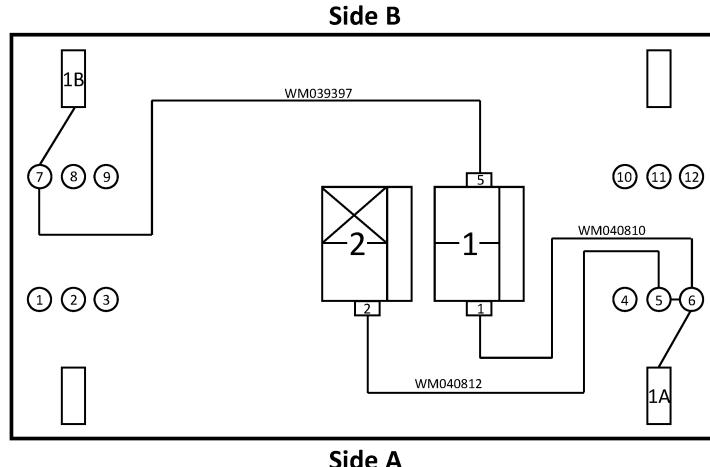
* Alternative configura-
tion for suction UL



H(N/LU) 11-210 H



H(N/LU) 11-211 H
(120/40)

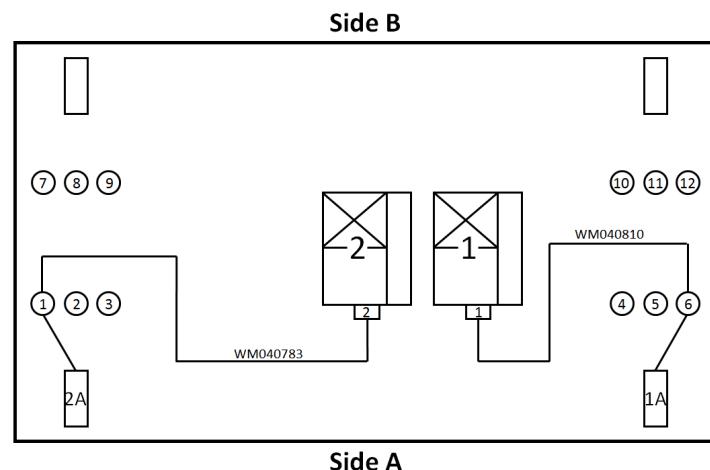


<p>H(N/LU) 11-21 H SAT (model not released)</p>	
<p>H(N/LU) 11-22 H (120/40) Model released for ATEX. H(N/LU) 23-22</p>	
<p>H(N/LU) 11-31 H (SIM) (model released for suction only)</p>	

4 Hydraulic configurations (tubes)

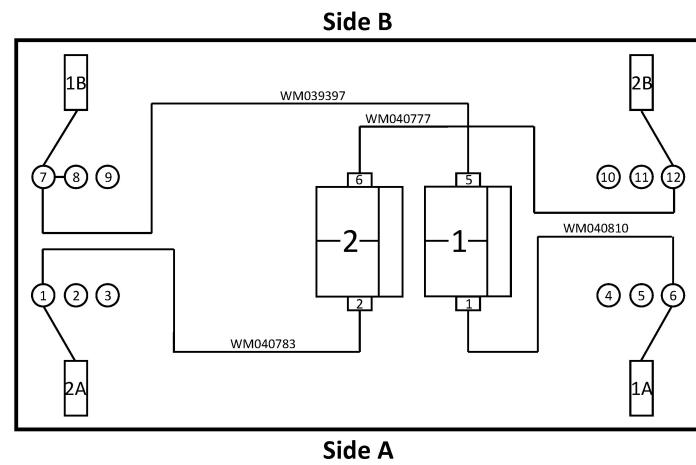
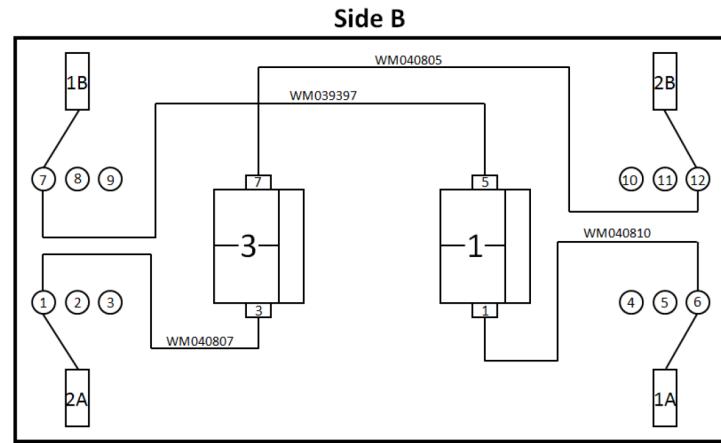
<p>H(N/LU) 11-31 H (SIM) SAT (model not released)</p>	
<p>H(N/LU) 11-32 (120/40 SIM) (model not released)</p>	
<p>H(N/LU) 11-32 (120/40 SAT) (model not released)</p>	

H(N/LU) 22-220



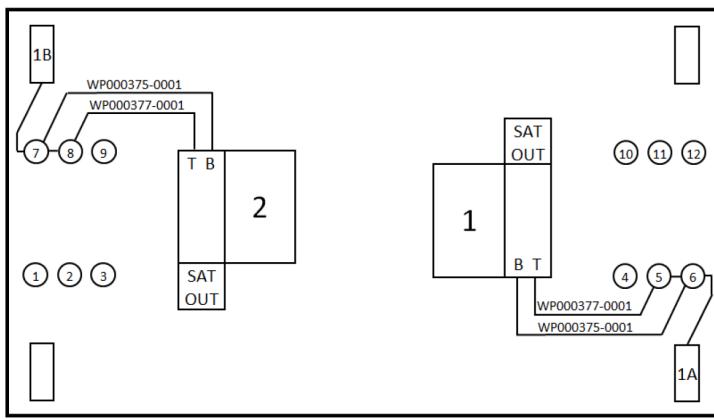
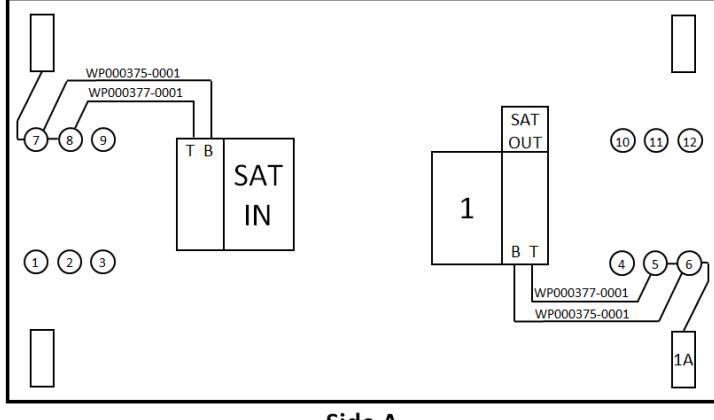
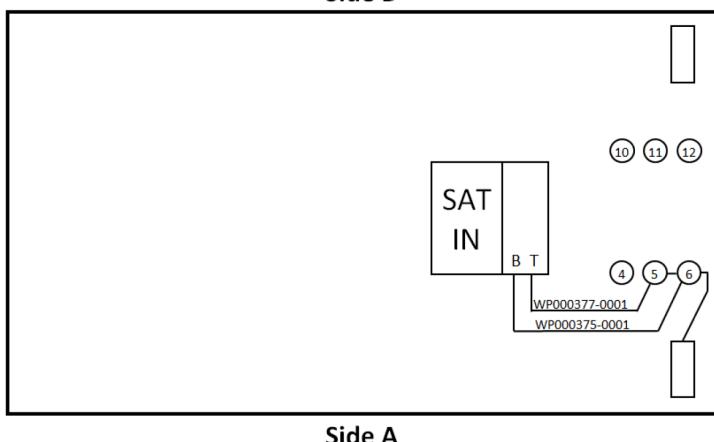
H(N/LU) 22-22

H(N/LU) 22-22 4U

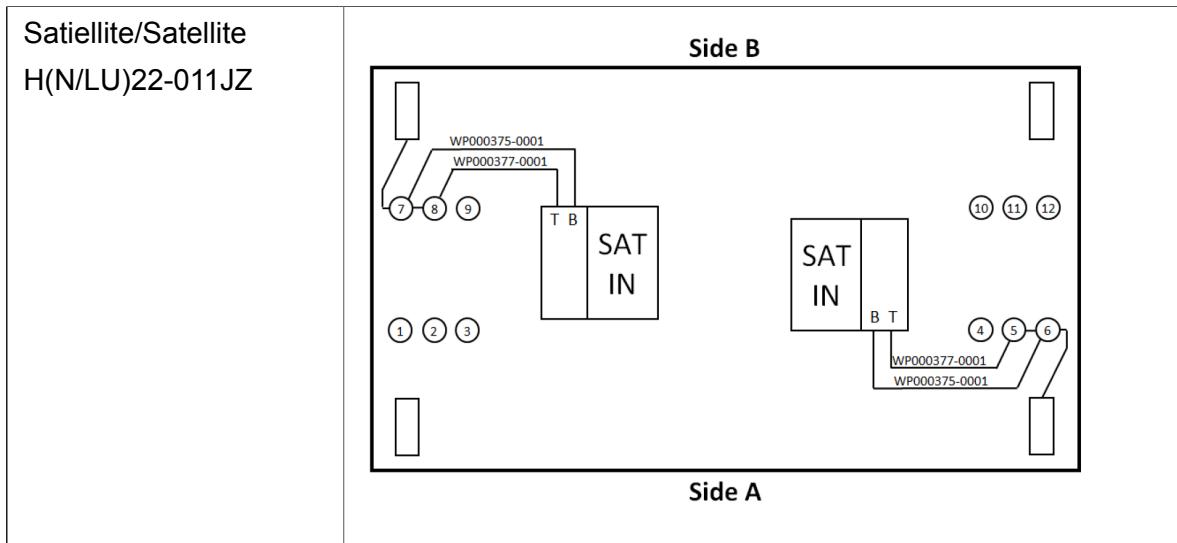
H(N/LU) 22-22
(Alternative configuration
for suction UL)

4 Hydraulic configurations (tubes)

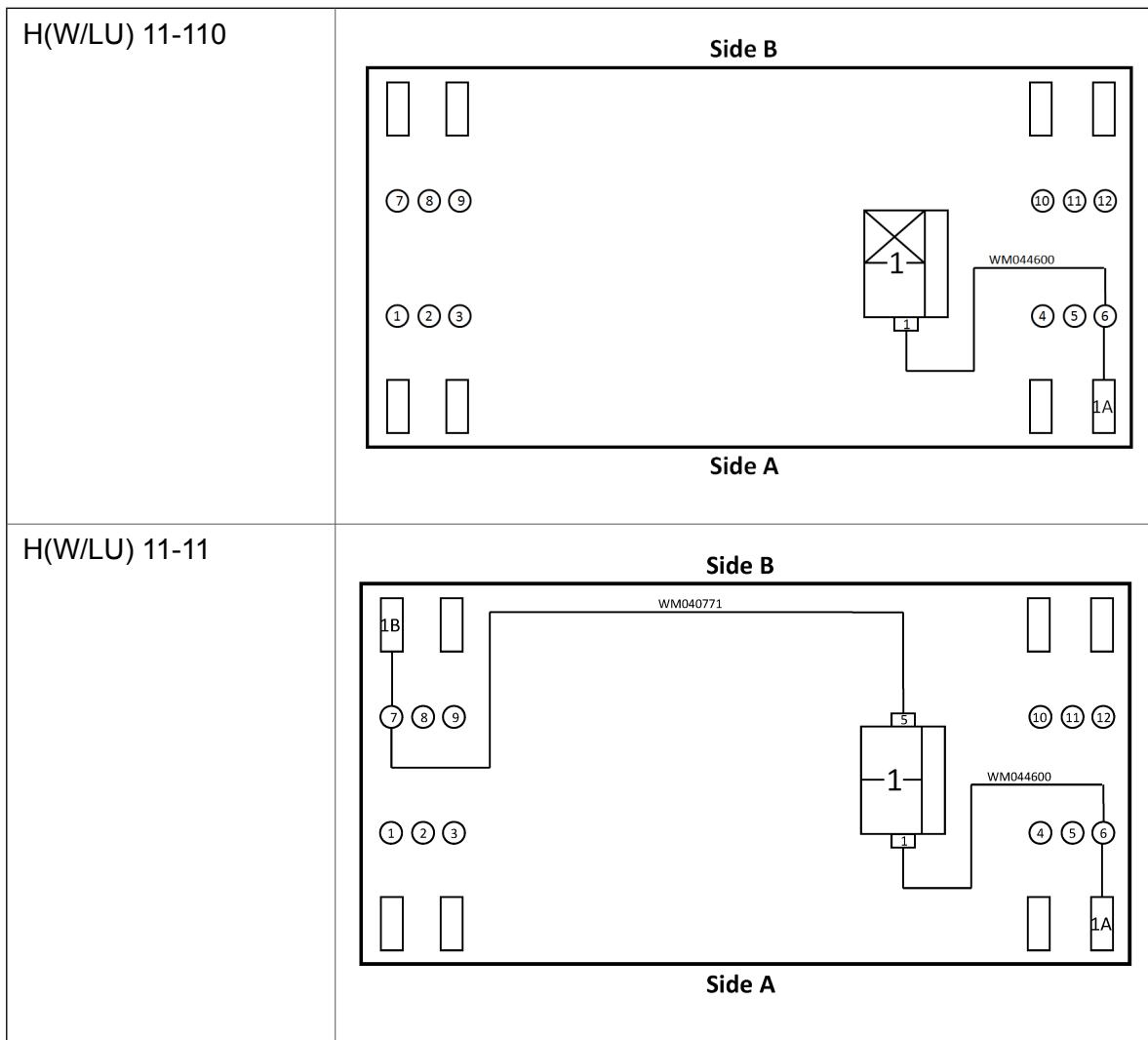
<p>H(N/LU) 22-32 H H(N/LU) 34-32</p>	<p>Side B</p> <p>Side A</p>
<p>H(N/LU) 33-31 (Model not released)</p>	<p>Side B</p> <p>Side A</p>
<p>Master high speed H(N/LU)11-110JRY</p>	<p>Side B</p> <p>Side A</p>

<p>Master/Master high speed H(N/LU)11-111JRY</p>	 <p>Side B</p> <p>Side A</p>
<p>Master/Satellite High Speed H(N/LU)22-111JRYZ</p>	 <p>Side B</p> <p>Side A</p>
<p>Single satellite H(N/LU)11-010JZ</p>	 <p>Side B</p> <p>Side A</p>

4 Hydraulic configurations (tubes)



4.4 Helix 5000 - Wide body



<p>H(W/LU) 11-21 H H(W/LU) 23-21 H(W/LU) 24-21</p>	<p>Side B</p> <p>Side A</p>
<p>H(W/LU) 23-21* H(W/LU) 25-21* (model not released) * Alternative configuration for suction UL</p>	<p>Side B</p> <p>Side A</p>
<p>H(W/LU) 11-21 H SAT (Model not released)</p>	<p>Side B</p> <p>Side A</p>

4 Hydraulic configurations (tubes)

<p>H(W/L) 11-22 H (120/40) (Model not released)</p> <p>H(W/L) 23-22 (Model not released)</p>	
<p>H(W/LU) 11-31 H (SIM) (Model released for suction only)</p>	
<p>H(W/LU)11-31 H (SIM) SAT (Model not released)</p>	

<p>H(W/LU) 11-32 H (120/40 SIM) (Model not released)</p>	<p>Side B</p> <p>WM040763 WM040773 WM044622 WM044617 WM044602 WM040781</p> <p>Side A</p>
<p>H(W/LU) 11-32 H (120/40) SAT (Model not released)</p> <p>H(W/LU) 22-32 H (120/40) SAT (Model not released)</p>	<p>Side B</p> <p>WM040763 WM041340 WM041342 WM040805 WM044598 WM041328 (D) WM041332 (P) WM041330 (D) WM041334 (P) WM044617 WM044620 SAT</p> <p>Side A</p>
<p>H(W/LU) 22-220</p>	<p>Side B</p> <p>WM040787 WM044600</p> <p>Side A</p>

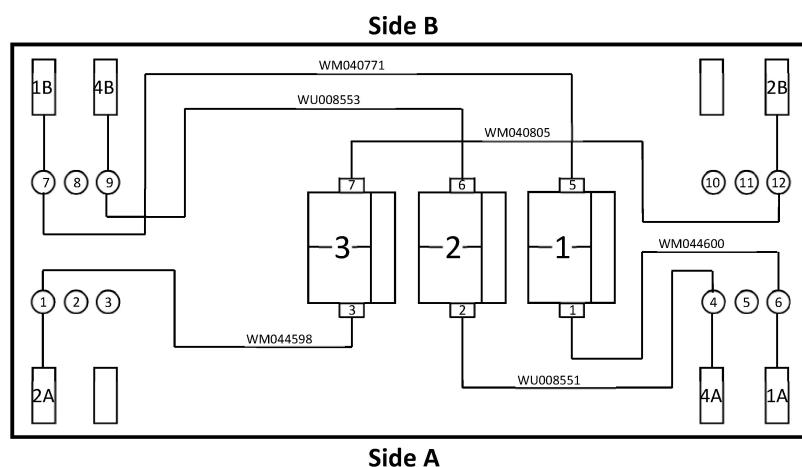
4 Hydraulic configurations (tubes)

H(W/LU) 22-22	<p>Side B</p> <p>WM040771 WM04592 WM040787 WM044600 WM044598</p> <p>Side A</p>
H(W/LU) 22-22 Alternative configuration for suction UL	<p>Side B</p> <p>WM040771 WM040805 WM044600 WM044598</p> <p>Side A</p>
H(W/LU) 22-32 H H(W/LU) 34-32 H(W/LU) 35-32 (only for UL)	<p>Side B</p> <p>WM040805 WM040771 WM040773 WM044600 WM044602</p> <p>Side A</p>

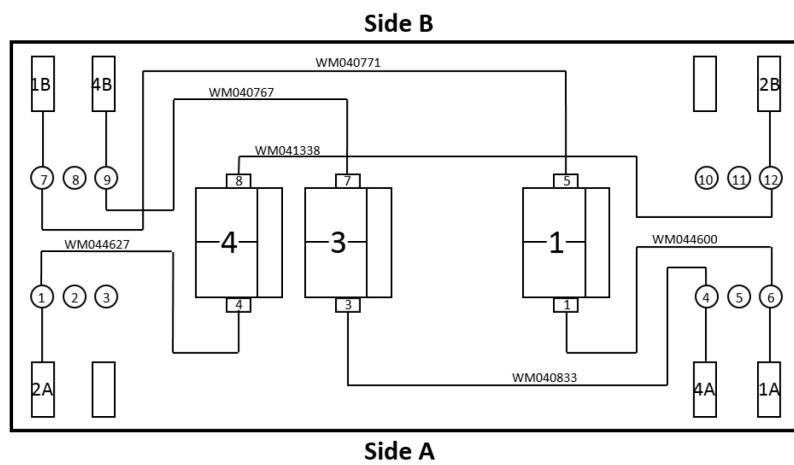
4 Hydraulic configurations (tubes)

<p>H(W/LU) 23-23 (Model not released)</p>	<p>Side B</p> <p>WU008604 WU008606 WU008608 WU008627 WU008591 WU008594 WU008597</p> <p>Side A</p>
<p>H(W/LU) 33-31</p>	<p>Side B</p> <p>WM040771 WM040773 WM040767 WM044600 WM044602 WM040833 WM044598</p> <p>Side A</p>
<p>H(W/LU) 33-330</p>	<p>Side B</p> <p>WM044600 WM044598 WU008551</p> <p>Side A</p>

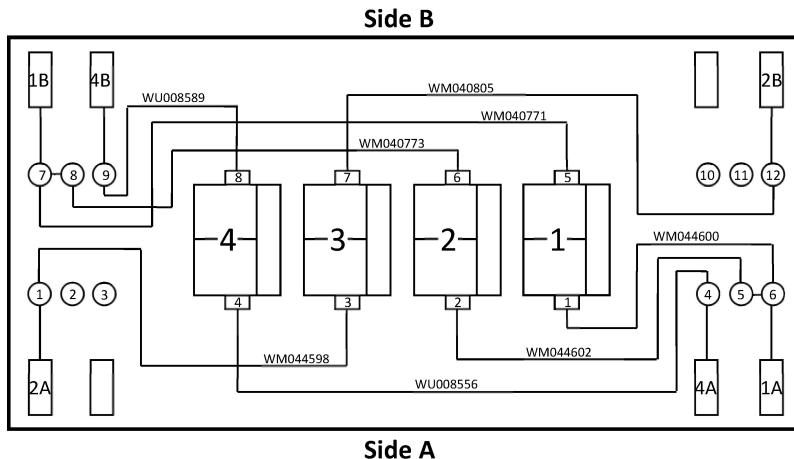
H(W/LU) 33-33
H(W/LU) 33-33 4U



H(W/LU) 33-33 *
* Alternative configura-
tion for suction UL



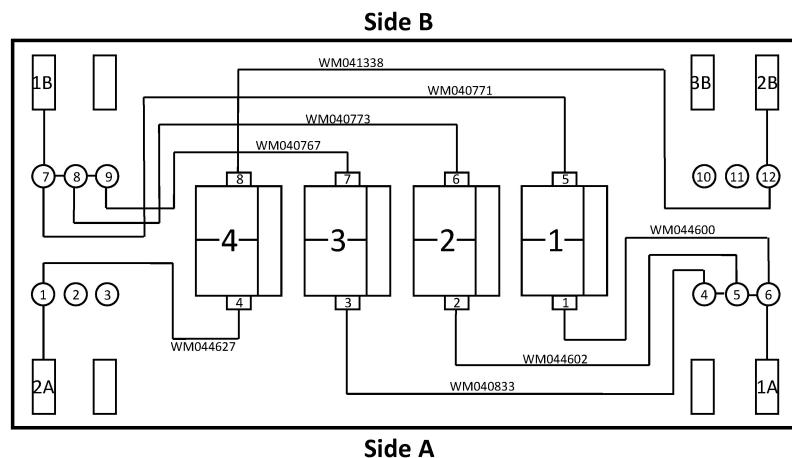
H(W/LU) 33-43 H
H(W/LU) 45-43



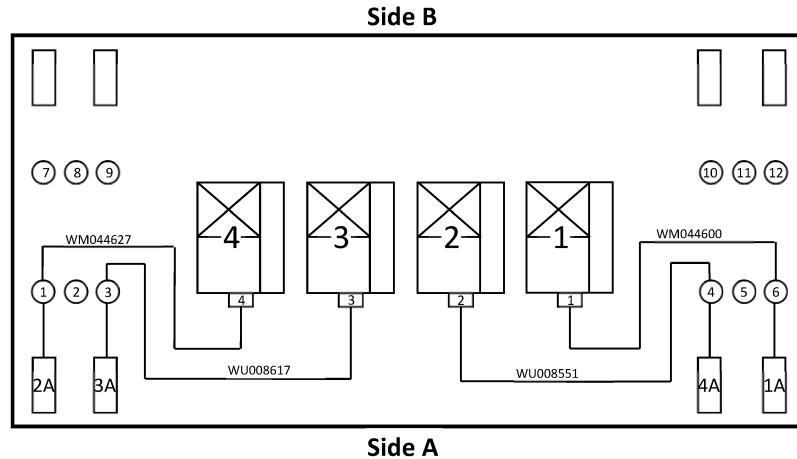
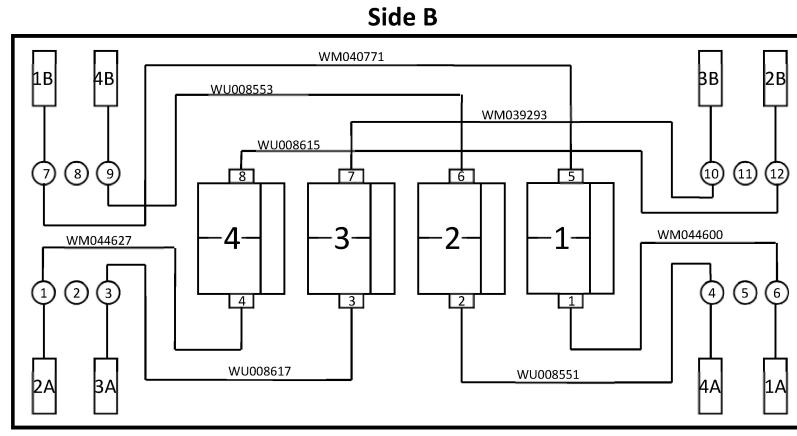
4 Hydraulic configurations (tubes)

<p>H(W/LU) 45-43E Alternative configuration for UL E85 Note! E85 allowed on hyd. 3 and 4. Use equivalent stainless steel tubes listed in WM051101 for E85.</p>	
<p>H(W/LU) 33-44 H (Model not released) H(W/LU) 45-44 (Model not released)</p>	
<p>H(W/LU) 34-34</p>	

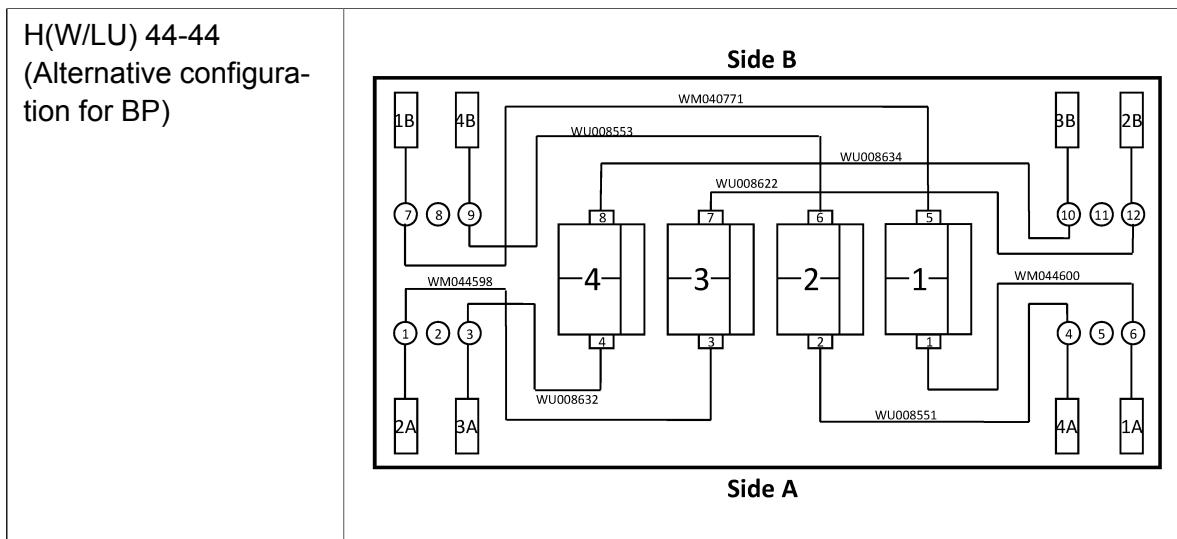
H(W/LU) 44-42



H(W/LU) 44-440

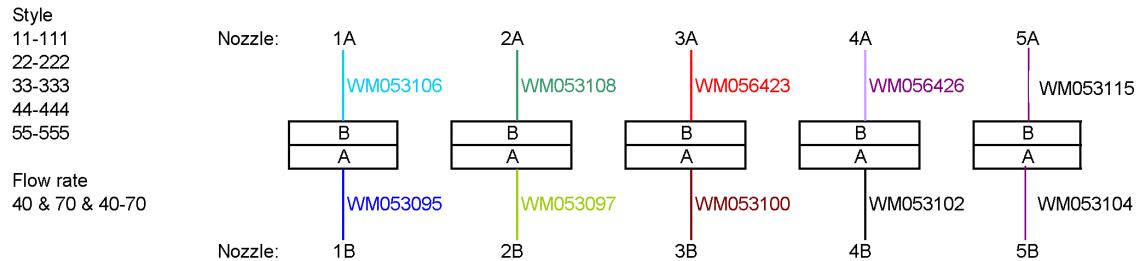
H(W/LU) 44-44
H(W/LU) 44-44 4U

4 Hydraulic configurations (tubes)

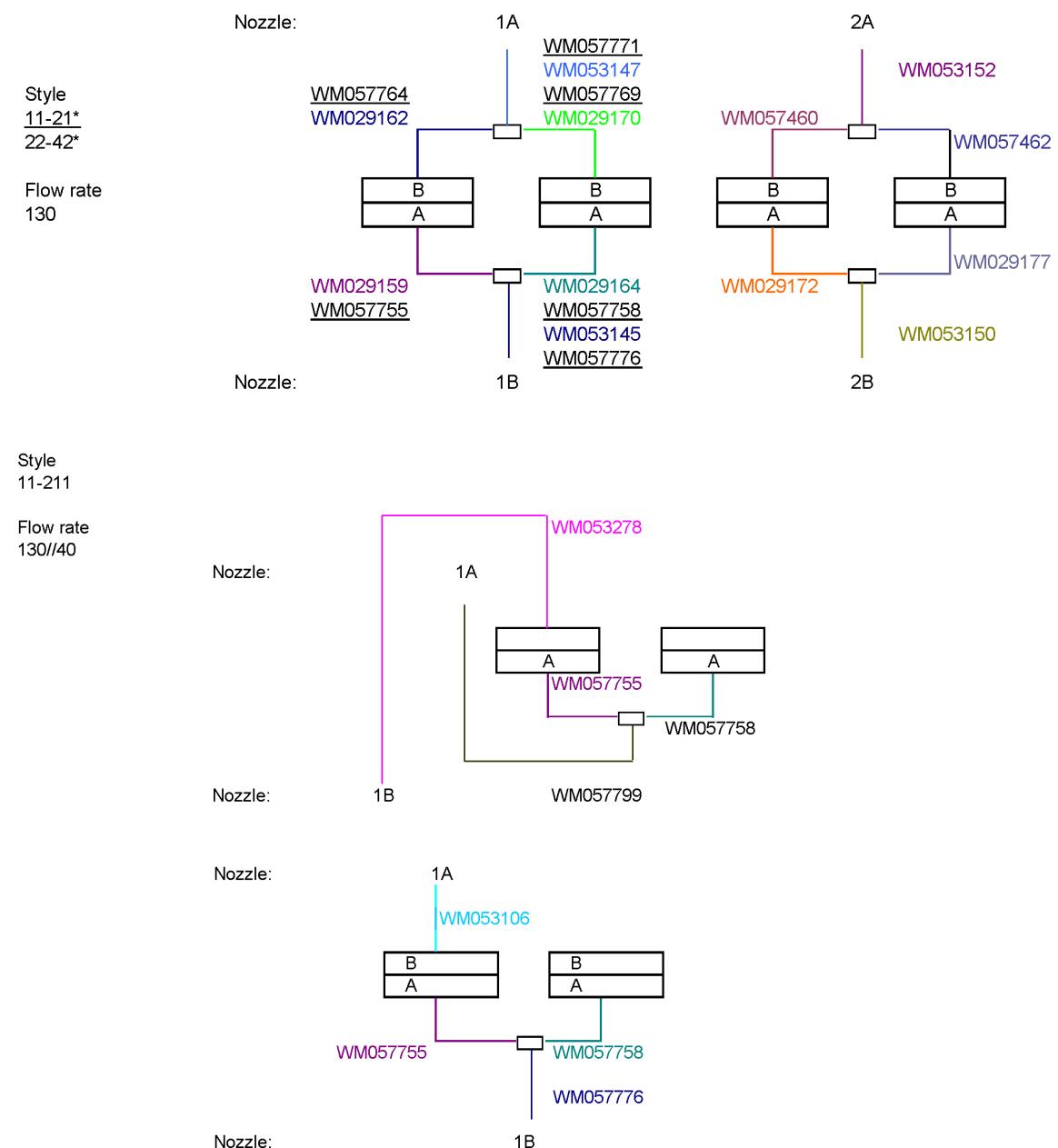


4.5 Helix 6000 - C-style (before August 2015)

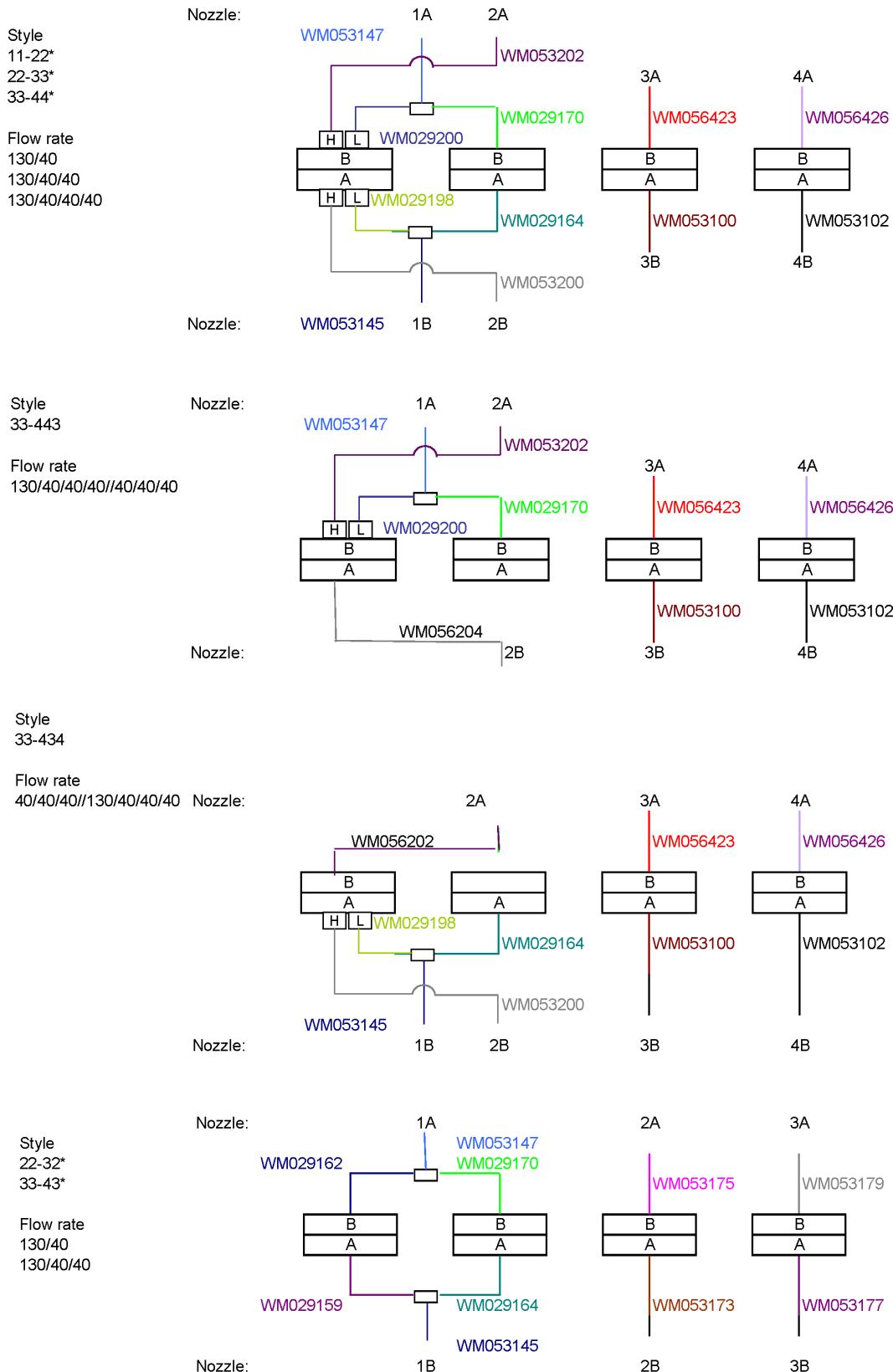
Standard Models

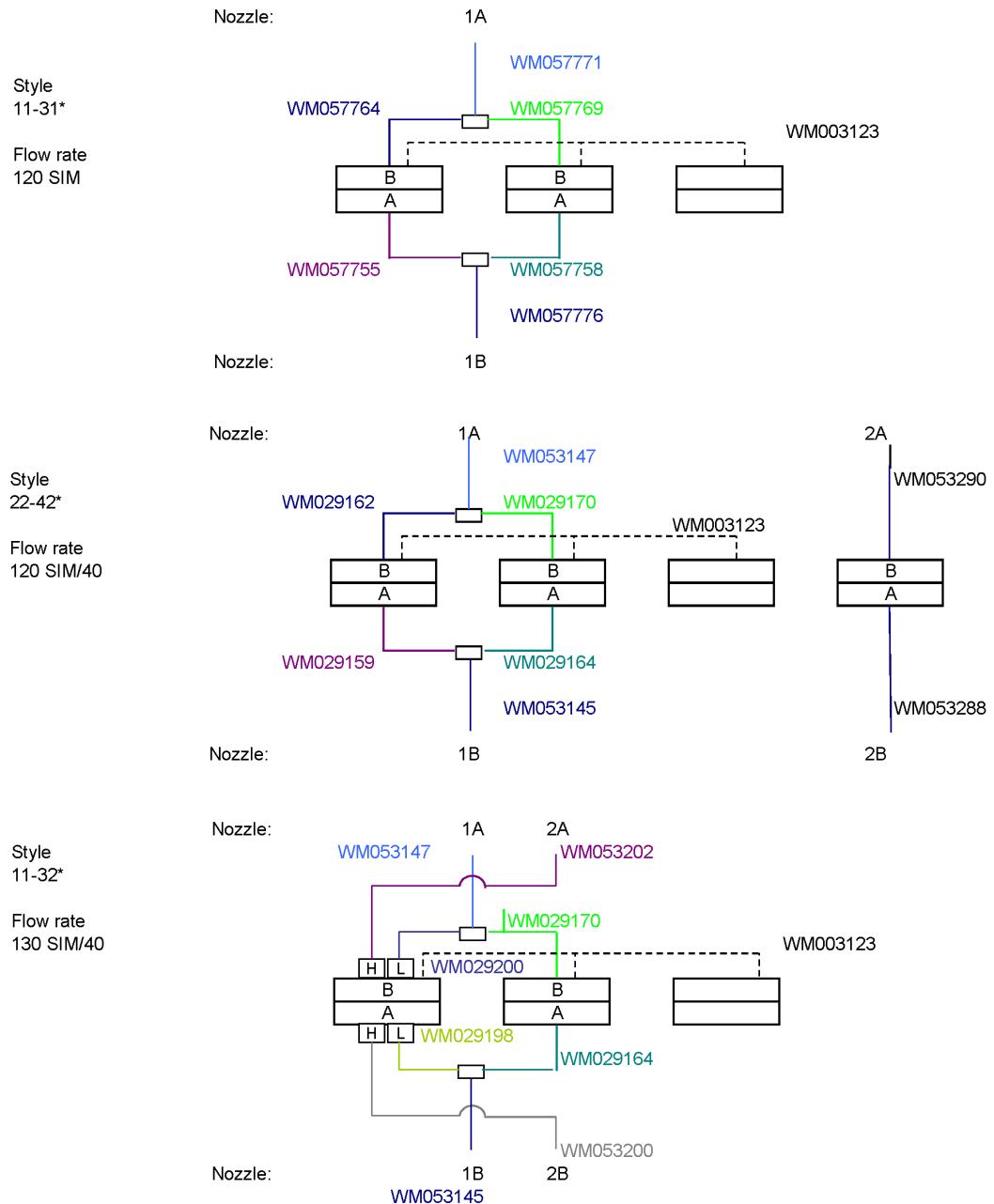


High flow models

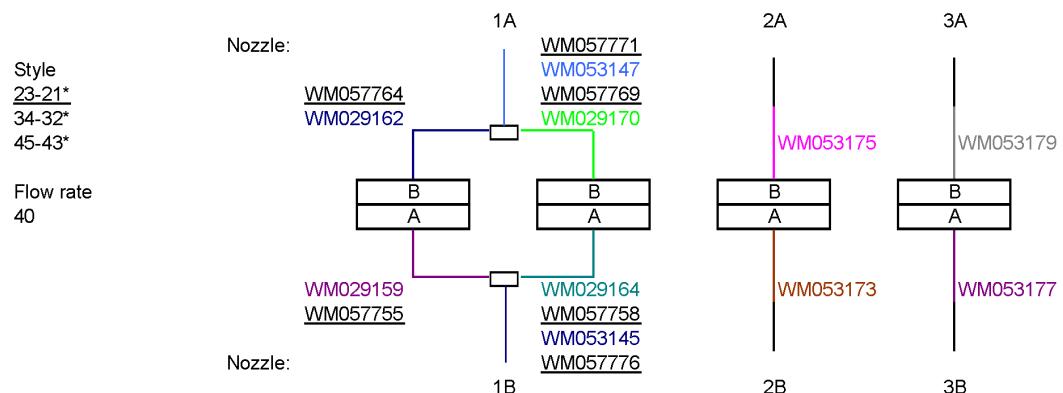


4 Hydraulic configurations (tubes)

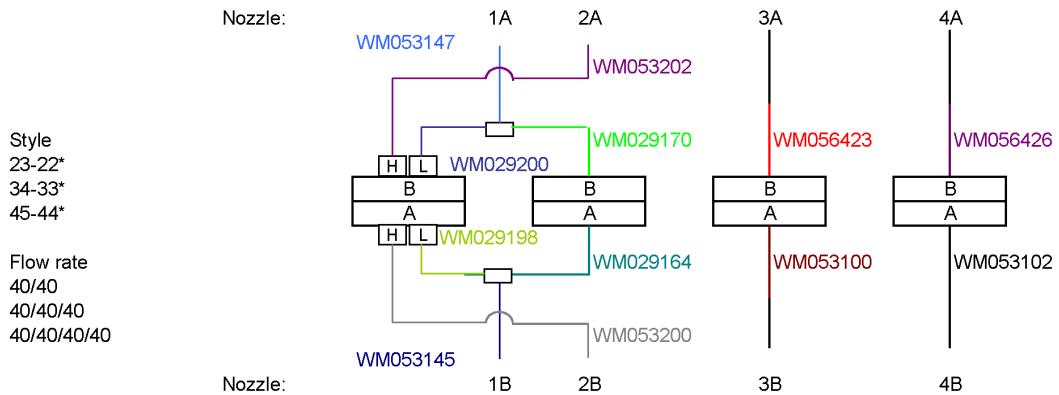




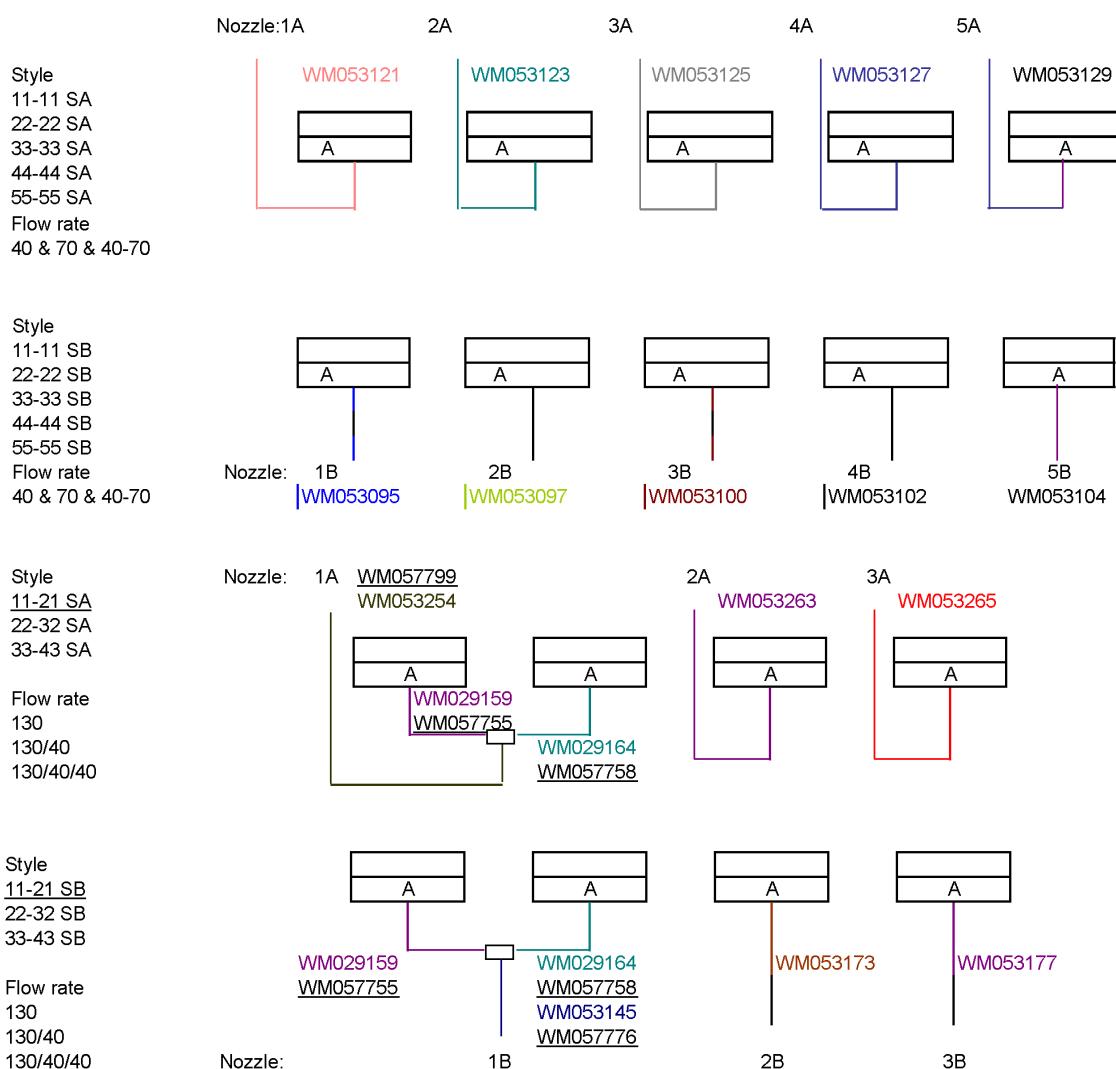
Blend models

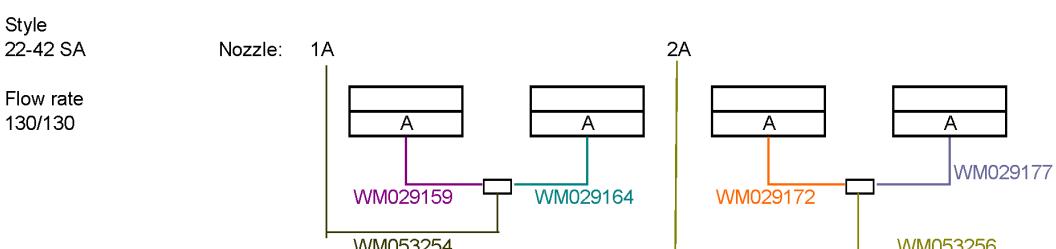
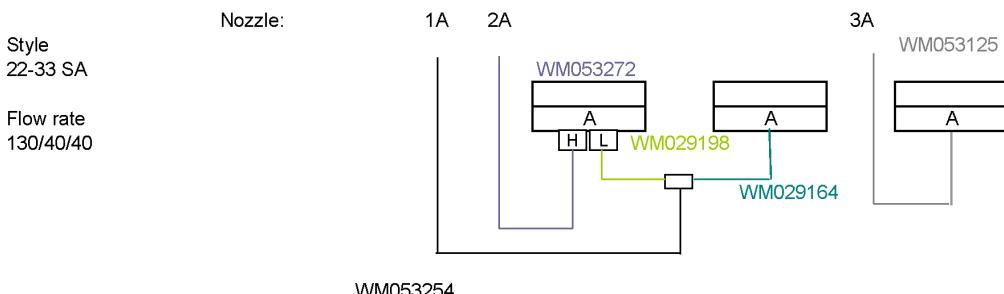
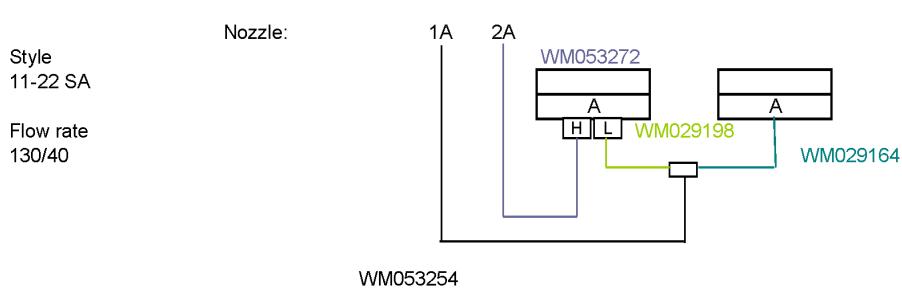
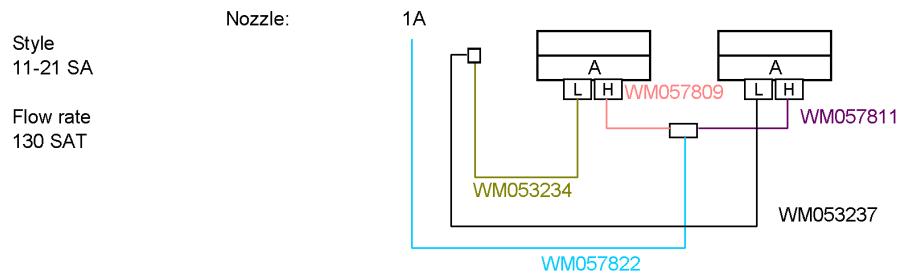


4 Hydraulic configurations (tubes)



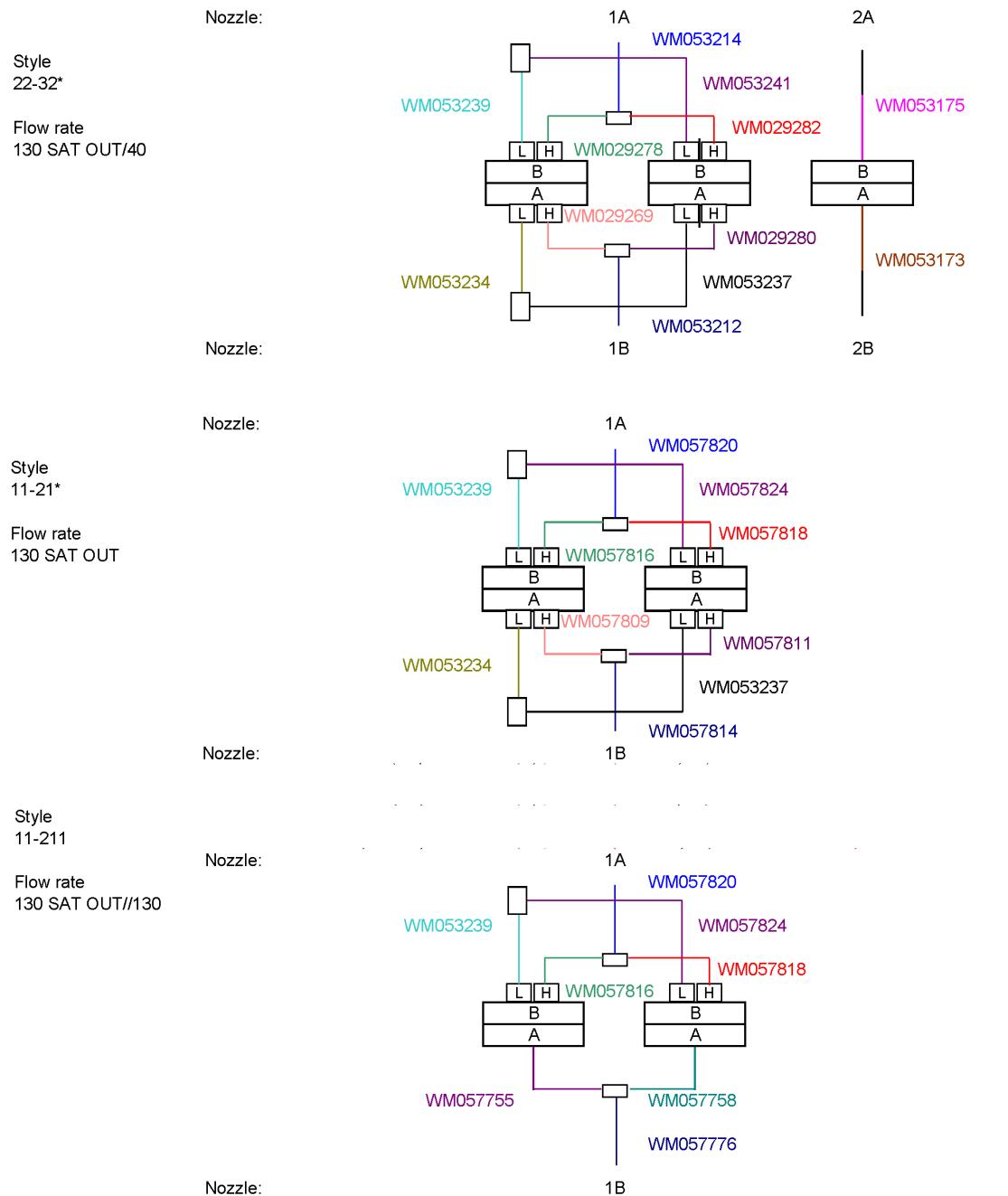
Singel side models

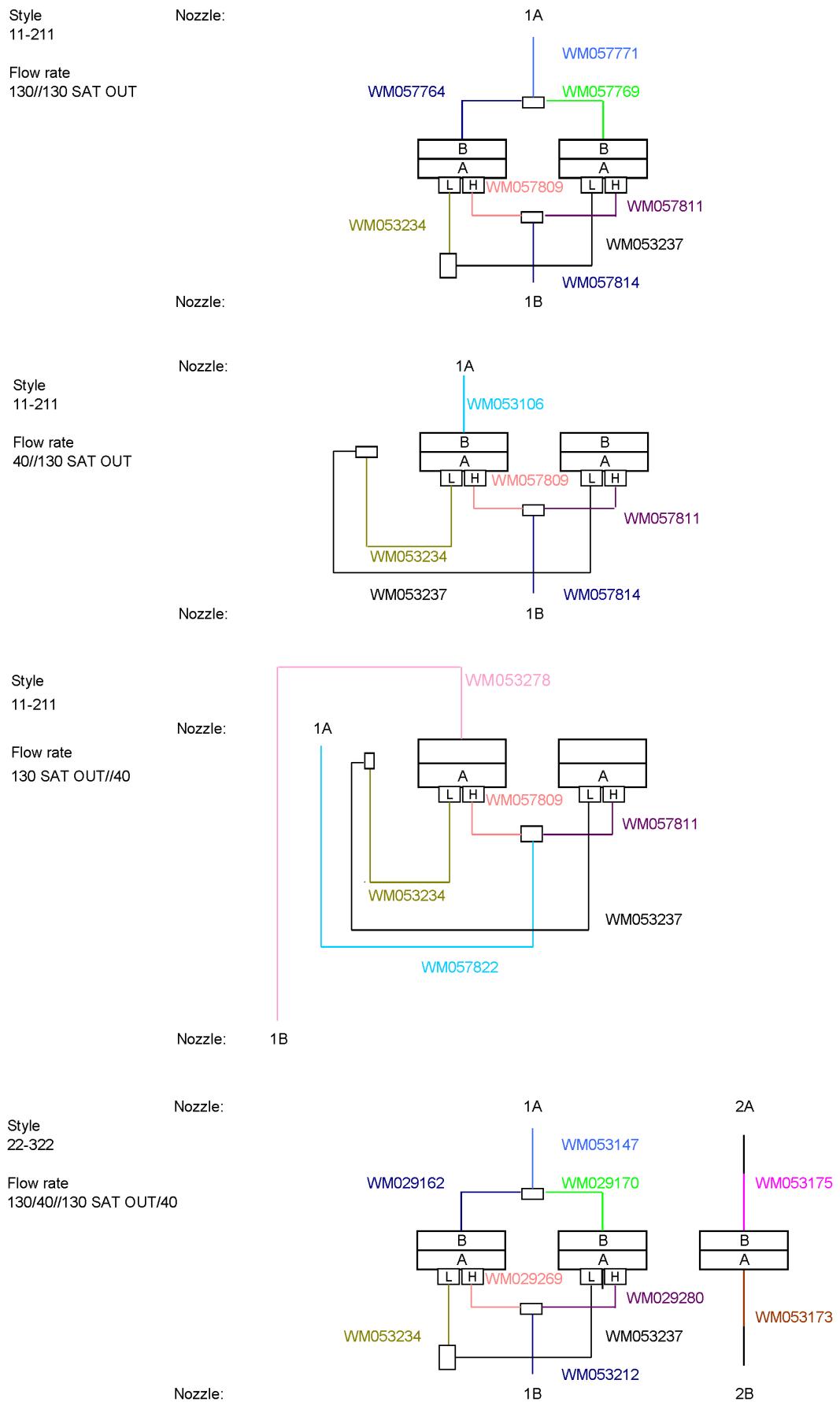




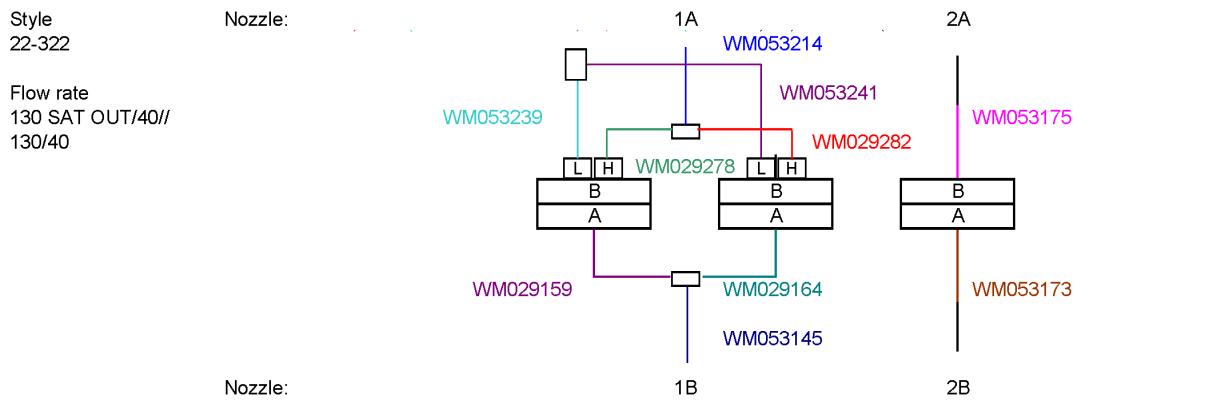
4 Hydraulic configurations (tubes)

SAT models

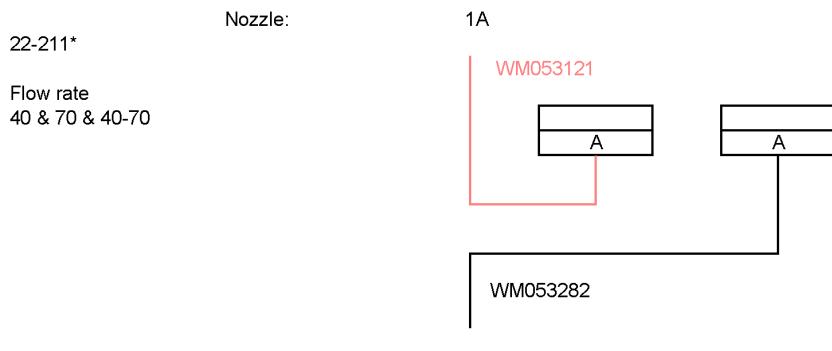




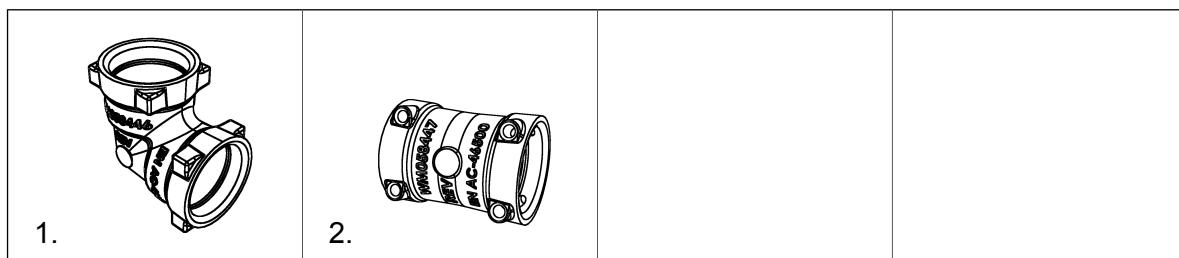
4 Hydraulic configurations (tubes)



Other

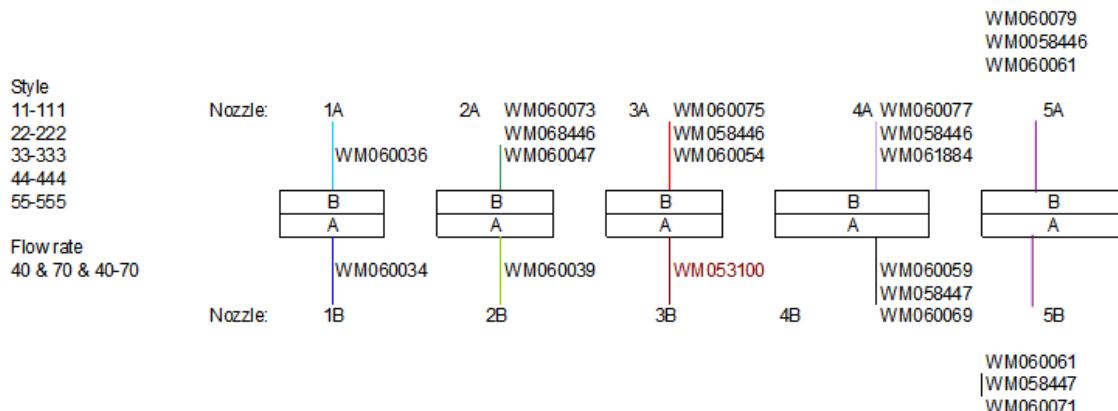


4.6 Helix 6000 - C-style (divided tube solution)

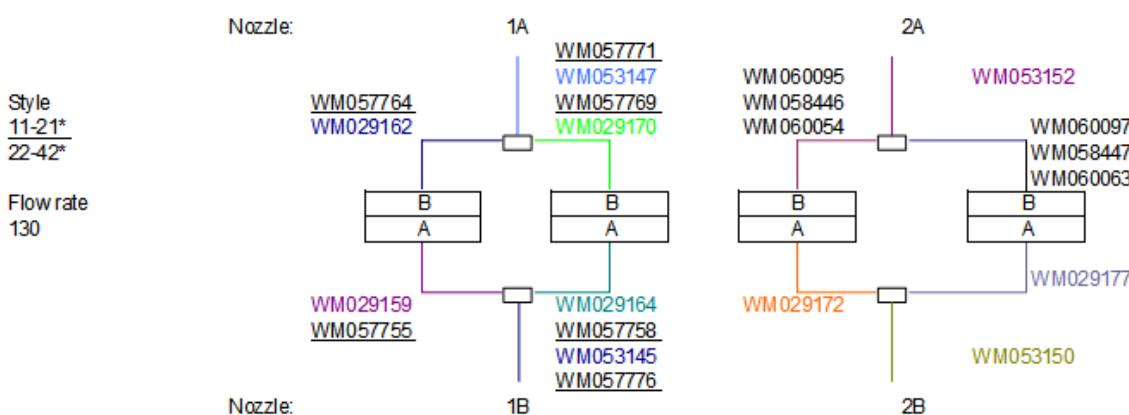


No.	Part Number	Description	Amount
1	WM058509-0002	Coupling, 90 deg	
2	WM058510-0002	Coupling, straight	

Standard Models



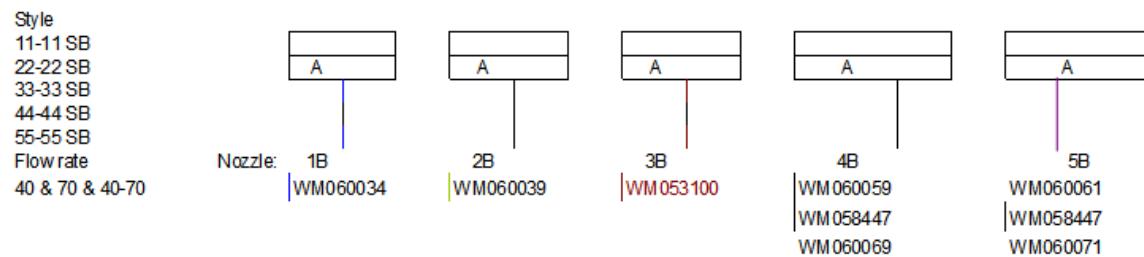
High flow models



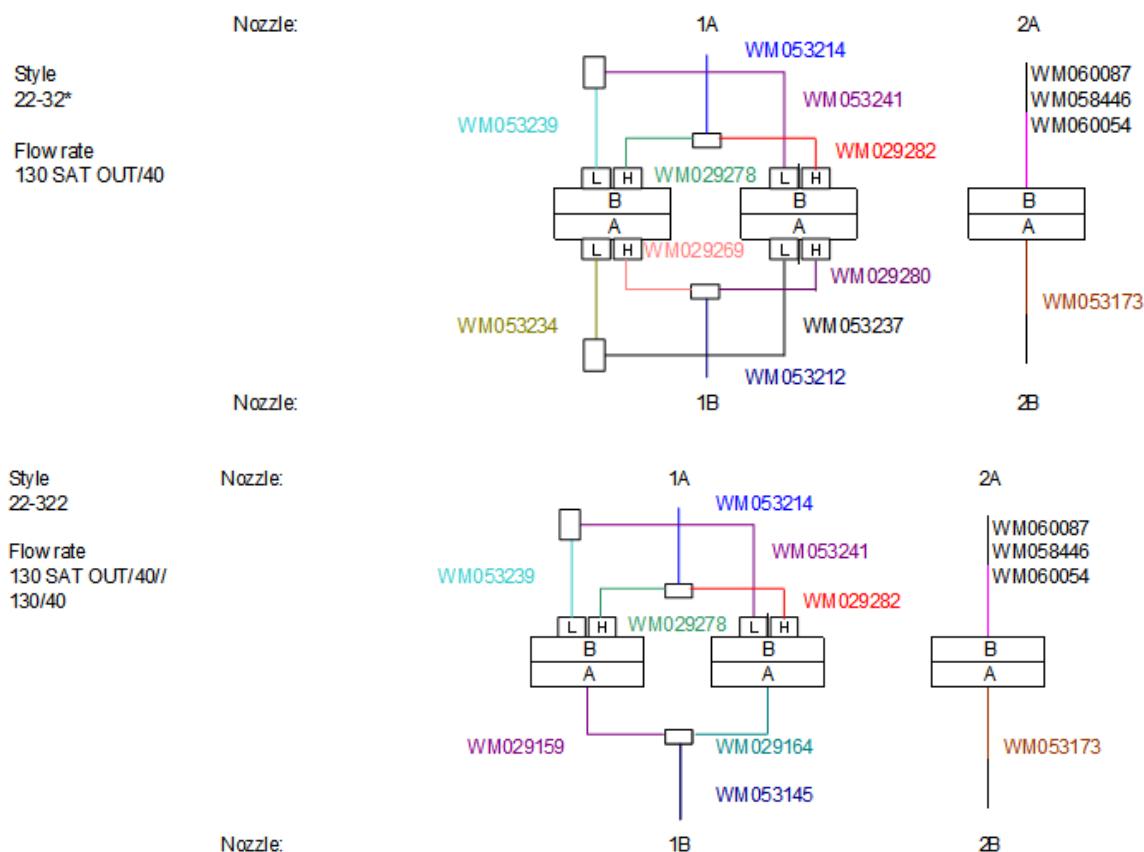
Blend models

4 Hydraulic configurations (tubes)

Singel side models



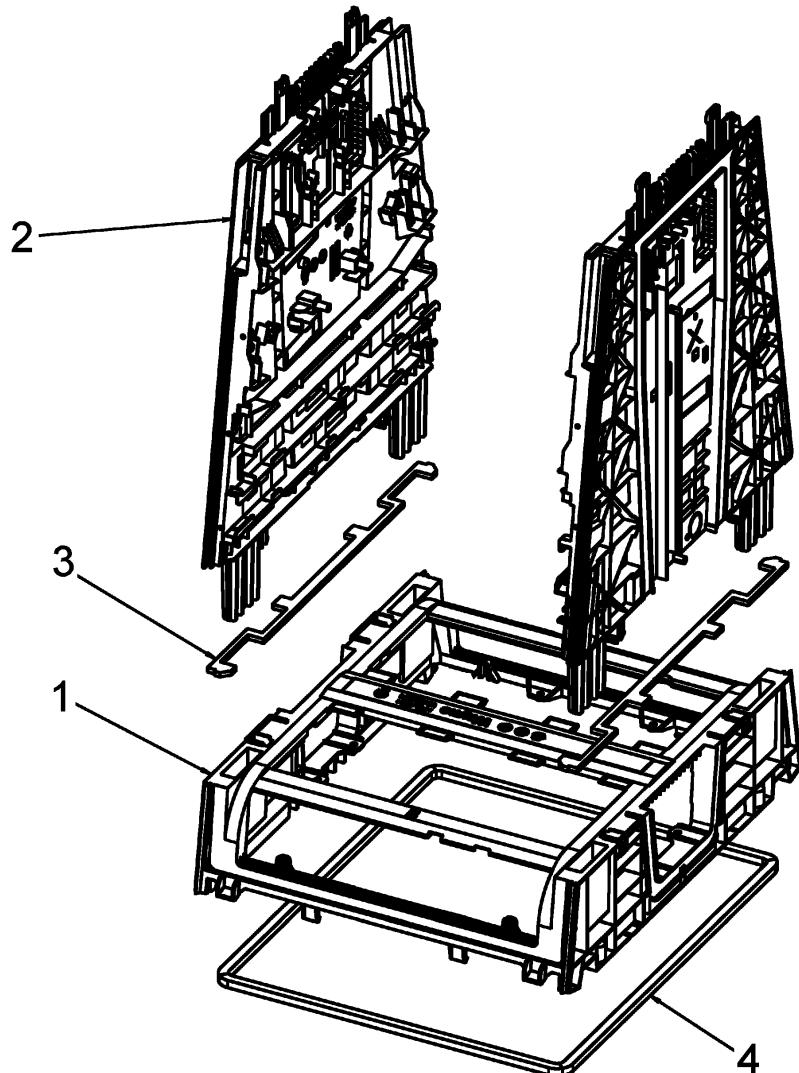
SAT models



Other

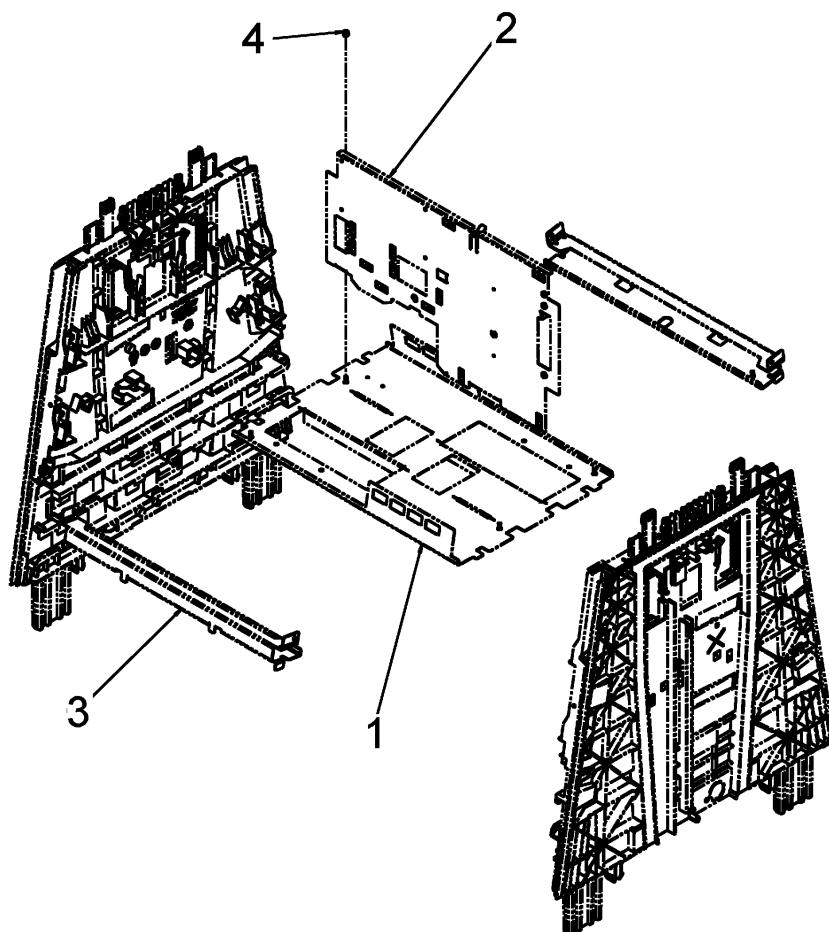
5 Electronic head

5.1 Frame module, EHPM



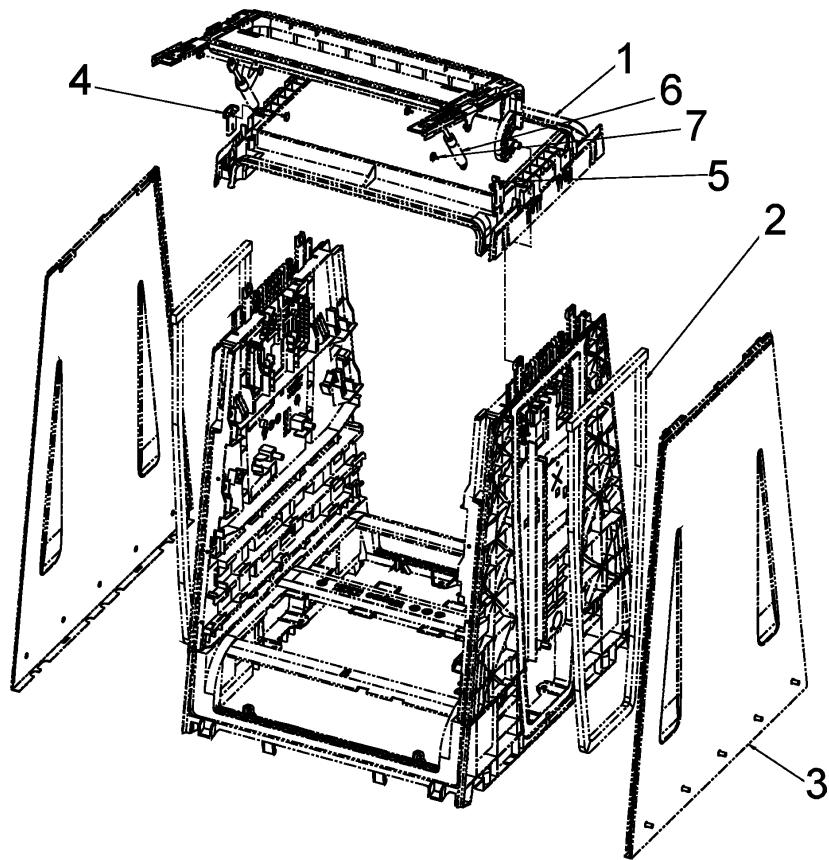
No.	Part Number	Description	Amount
1	WM039271	Support, box shape, LEE top + dispensed gasket	1
2	WM039277	Support, flat EHPM interior side	2
3	WM041393	Die cut gasket for interface LEE top/int. sde	2
4	WM045581	Die cut gasket for interface LEE top/bottom	1
---	WM048556	Gasket top panel to interior side	2
---	WM049146-0001	Gasket L=416, W=4, T=2	2

5.2 Frame EHPM, internal



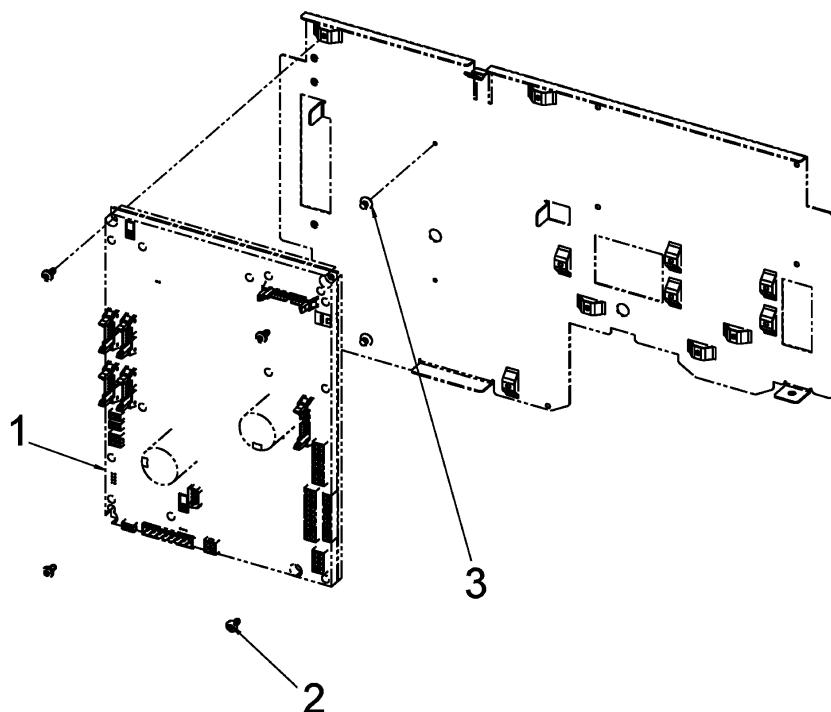
No.	Part Number	Description	Amount
1	WM038210	Support, U-shape, EH base plate	1
2	WM038213	Support, U-shape, EH base plate	1 or 2
3		Support, U-shape, EHPM	
	WM039459	- Support cross beam	2
	WM045678	- Support cross beam, lower position	2
4	WB000229-0002	Lock nut, M4	4

5.3 Frame exterior structure , EHPM



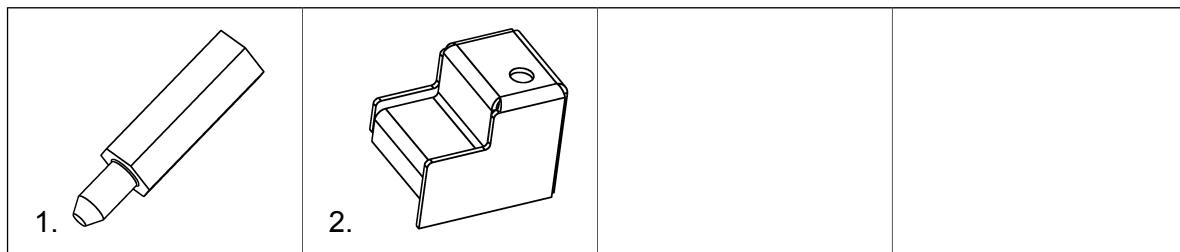
No.	Part Number	Description	Amount
1		Top panel, EHPM top panel	1
	WM052500-F105	- Std	
	WM057988-F105	- Dual indicator lamp	
	WM059898-F105	- Single indicator lamp	
2	WM041394	Sealing for cable channel	2
3		Cover plate, side panel exterior	
	WM046986-F105	- Narrow & wide	2
	WM049505-F105	- Small style	2
4	WM041995-0001	Support, L-shape, upper right	1
5	WM049223-0001	Support, flat left	2
6	WM043266-0001	Screw M3x8, large head with knurled grip	8
7	WB000229-0003	Lock nut, M6	10
8	WB000229-0003	Lock nut, M6	10

5.4 iGem board



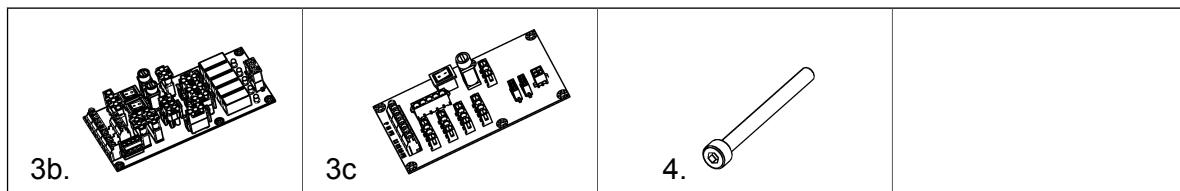
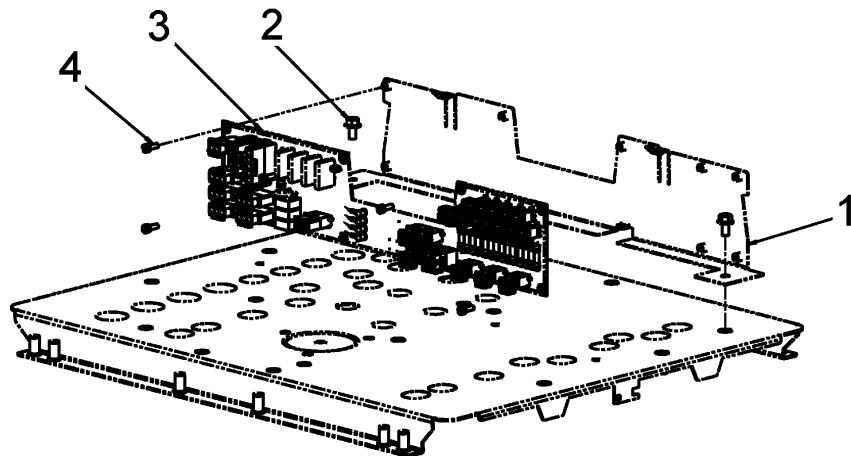
No.	Part Number	Description	Amount
1		CPU board (iGEM board)	
	WM001908-0003	- CPU board (US)	1
	WM001908-0002	- CPU board IEC (Low cost, LA)	1
	WM001908-0005	- CPU board IEC full with CAN (EMEA, LA, India)	1
2	WM045308-0002	Taptite Torx, pan head, M4x10 (Extra fasteners when 2 iGEM boards are used.)	4
3	WM047150-0001	Plastic fastener (l=4.8)	5
-	see page 60	Support, U-shape, EH base plate	1
-	WM044451-0001	Expansion board, RS485	1
-	WM003767	Seal screw, hexagon socket cap, M4	1

5.4.1 Sealing of programmed load switch



No.	Part Number	Description	Amount
1	WM051057-0001	Spacer, blind, M4x20, self tapping male/female hexagonal	1
2	WM032350	Sealing program load switch iGem	1

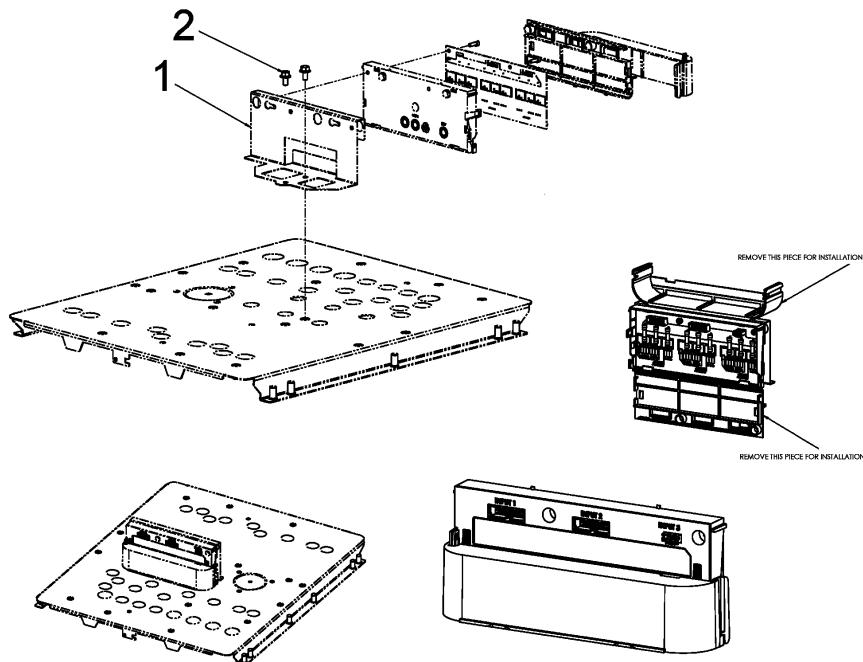
5.5 Connection board, LEE



No.	Part Number	Description	Amount
1	WM040068	Support, L-shape, LEE component bracket	1
2	WM019873-0001	Screw, hex head, M6x12, with flange	2
3		Connection board	1
	WU005373	- Suction pump - UL	
	WU004203	- Dispenser pump - UL	
	WU004985	- Suction pump - IEC	
	WU004987-0001	- Dispenser pump - IEC	

No.	Part Number	Description	Amount
	WM058421-0001	- Dispenser, ausnz	
	WM058490-0001	- Suction, ausnz	
3b	WM053342-0001	- Remote pump - IEC - Helix 1000 (cables see page 334)	
3c	WM052339-0001	- Suction pump - IEC - Helix 1000	
4	WB000209-0009	Screw, hexagon socket CAP, M4x12	6
-	see page 208	Support, box shape LEE bottom	

5.6 ISB, module LEE



WARNING!

Electrical components under ATEX marked with



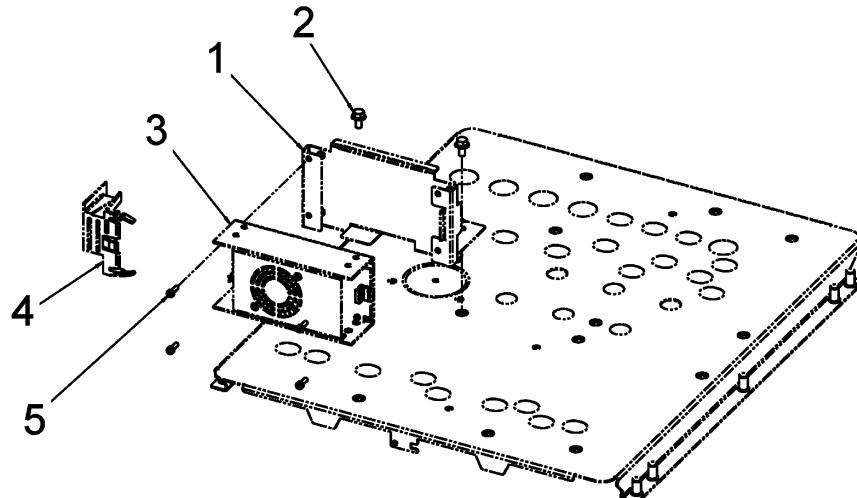
must not be repaired and should be replaced as complete spare part in case of operational functional failure.

No.	Part Number	Description	Amount
1	WM044632	Support, U-shape, component bracket (for ISB:s)	1
2	WM019873-0001	Screw, hex head, M6x12, with flange	2
3		Module, ISB	
	WU005093-0001	- Three channel, UL/cUL	1 *1
	WU005093-0002	- One channel, UL/cUL	1 *1
	WM046690-0001	- Three channel, ATEX	1 *1
	WM046690-0002	- One channel, ATEX	1 *1
4	WB000209-0009	Screw, hexagon socket cap, M4x12	2 - 4
---	WM058532	Support, Z-shape, ISB strain relief sheet metal (Only needed for Australia and New Zealand!)	*2

*1 Amount of channels needed is 1 channel/hyd + 1 channel for Nozzle + 1 channel if ATC.

*2 One per ISB WM046690-0001 and WM046690-0002

5.7 Power supply module, LEE



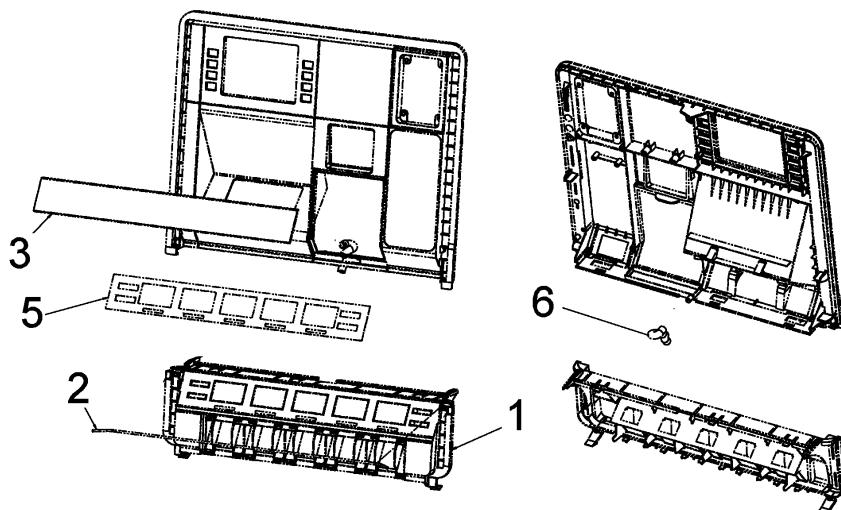
Cables see page 342.

No.	Part Number	Description	Amount
1	WM039382	Support, L-shape, LEE extra power supply bracket	1
	WM039307	Support, Replaces WM039382, when options: Push button and/or SMS 4-5 hydraulics	1

No.	Part Number	Description	Amount
2	WM019873-0001	Screw, hex head, M6x12, with flange	2
3	WM027313-0001	Power supply, +24V, 150W, global	1 or 2
4	WM042620	Power supply cover	1 or 2
5	WB000209-0009	Screw, hexagon socket CAP, M4x12	2 or 4
-	see page 208	Support, box shape LEE bottom	
-	WM008206	Power supply, 12 V	1
-	WM058876	12 V power supply support	1
-	WM049327	Support, L-shape switchable motor	1
-	WM039321	Support (needed for the 3rd ISB)	1

5.8 bezel

5.8.1 LEE Bezel



No.	Part Number	Description	Amount
1	WM051807	Bezel lower electronic enclosure	1
2	WM045302-0003	Gasket profile l=510	1
3	WM040630	Glass 415,3x56,2 t=4	1
4	---	---	---
5	WM040631	Adhesive tape, double-sided 416x59	1
6	WM044629	Moulded tube	1

5.8.2 LEE Bezel with UPD (assy for AUS/NZ)

No.	Part Number	Description	Amount
1	WM058868-F105	Cover plate, LEE bezel with UPD, grey	2
2	WM054509	Gasket, T=1.6, ID=19, OD=22	8
	WM060333	Gasket, ID=7, OD=20,T=3	
3	WB000627-0005	Washer plain M4, large, ID=4.3, OD=12, T=1	8
4	WB000229-0002	Lock nut, M4	8
5	WM059267	Desiccant silica-gel 100g	2
6	WM019003	Adhesive tape, double-sided, width=12mm thickness=1,1mm	0.2m

5.8.3 LEE Bezel without UPD (assy for AUS/NZ)

No.	Part Number	Description	Amount
1	WM058913-F105	Cover plate, LEE bezel blind, grey	2
2	WM054509	Gasket, T=1.6, ID=19, OD=22	8
	WM060333	Gasket, ID=7, OD=20,T=3	
3	WB000627-0005	Washer plain M4, large, ID=4.3, OD=12, T=1	8
4	WB000229-0002	Lock nut, M4	8
5	WM059267	Desiccant silica-gel 100g	2
6	WM019003	Adhesive tape, double-sided, width=12mm thickness=1,1mm	0.2m

5.8.4 LEE bezel, payment W/ PTS Buttons

No.	Part Number	Description	Amount
1	WM040630	Glass, 415x56 T=4	1
2	WM008672	Tape	60mm
3		Adhesive	20ml
	WM053800	- Loctite 5607	
	WM051003	- Dow corning 3526	
	WM054487	- Dow corning 3636	
4	WM039282	PTS sealing bracket	1
5	WM041399	Die cut gasket for PTS sealing	1

No.	Part Number	Description	Amount
6	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	4
7	WM045308-0002	Taptite screw, Torx, pan head, M4x8	4
8	WU007563-0001	Display board, programmed, Helix main UPD	1
9		Display, module UPD	1 - 5
	WM040824-0007	- 5x12.7mm single, Helix, TN neg	
	WM040824-0008	- 5x25.4mm single, Helix, TN neg	
	WM040824-0009	- 5x12.7mm dual, Helix, TN neg	
10	WM044629	Moulded tube	1

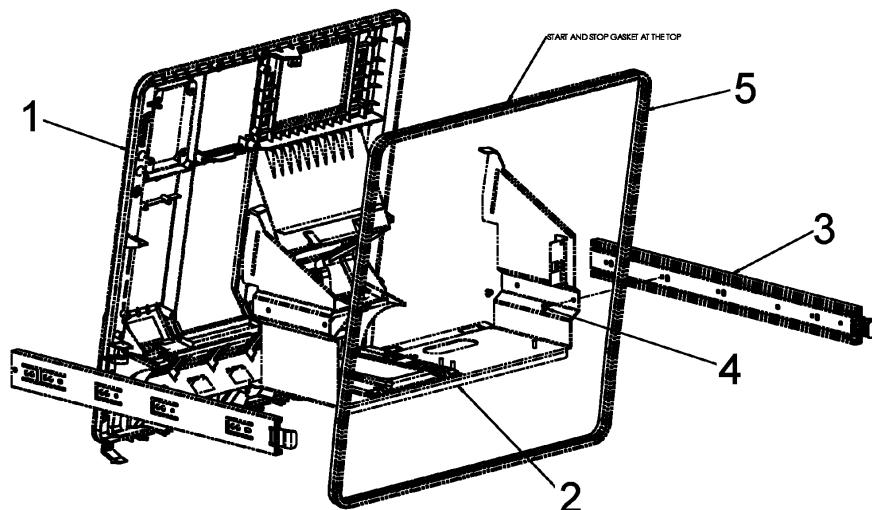
5.8.5 LEE bezel, payment W/O PTS Buttons

No.	Part Number	Description	Amount
1	WM040630	Glass, 415x56 T=4	1
2	WM008672	Tape	60mm
3		Adhesive	20ml
	WM053800	- Loctite 5607	
	WM051003	- Dow corning 3526	
	WM054487	- Dow corning 3636	
4	WM056110	Support L-shape, UPD lower electronic enclosure	1
5	WM045308-0002	Taptite screw, Torx, pan head, M4x8	2
6	WU007563-0001	Display board, programmed, Helix main UPD	1
7		Display, module UPD	1 - 5
	WM040824-0007	- 5x12.7mm single, Helix, TN neg	
	WM040824-0008	- 5x25.4mm single, Helix, TN neg	
	WM040824-0009	- 5x12.7mm dual, Helix, TN neg	
8	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	2

5.8.6 EH bezel (glue assembly)

No.	Part Number	Description	Amount
1		EH bezel	
	WM044273-0001	- S/V display only	1
	WM044273-0002	- S/V display and UPD:s	1
	WM045284	- S/V and 10.4" media display	1
2		Display bracke	
	WM048661	SVD display, with/without UPD:s	1
	WM048662	Dual S/V displays, with/without 2 UPD:s	1
	WM045285	S/V display when 10.4" config.	1
3	WM008672	Tape	120mm
4	WM051003	Adhesive, dow corning 3526	40ml
5	WM040633	Glass, 415,5 x 88,5 T=4 (customer specificly screened glass)	1
6	WM040638	Glass (UPD:s), 415,3 x 46,3 T=4 (customer specificly screened glass)	1

5.8.7 PT Bezel for 5.7" display



No.	Part Number	Description	Amount
1		Front panel	
	WM045608	- Payment terminal, small opening	1
	WM045609	- Payment terminal, large opening	1
2	WM039389	Support, U-shape, bottom plate	1

No.	Part Number	Description	Amount
3	WM045250	Rail complete assembly with snap, l=450 mm	2
4	WM028446-0001	Pop rivet, dome head, 4.0 diameter x7, grip range 0-3,2	4
5	WM045016-0001	Gasket profile L=1207mm	4

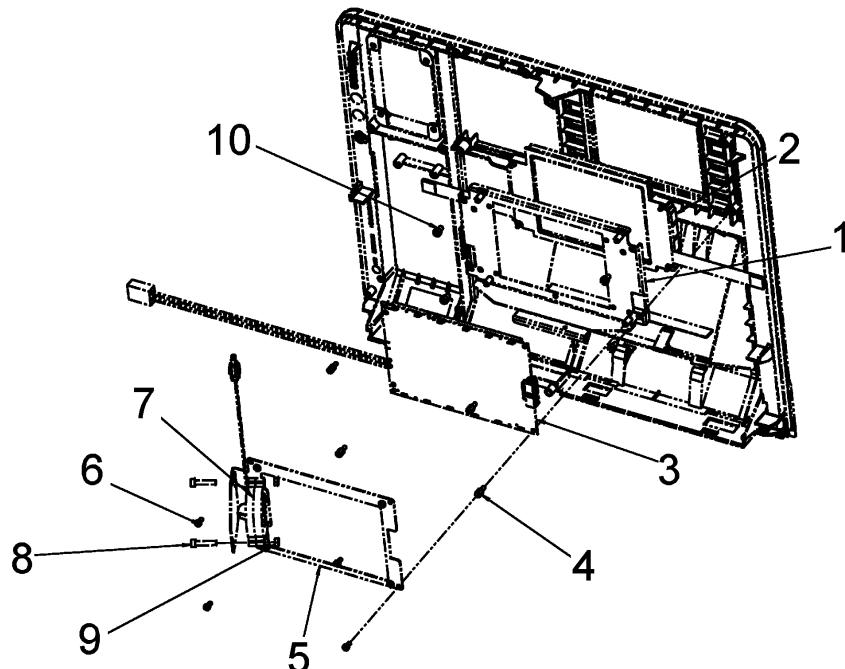
5.8.8 Bezel Helix 1000

No.	Part Number	Description	Amount
1	WM052981-F105	Bezel Helix 1000	
2	WM052991-F105	Bezel single display preset	
3	WM052992-F105	Bezel single display preset, EMT	
4	WM052993-F105	Bezel single display preset, EMT, iButton	
5	WM052994-F105	Bezel single display preset, iButton	
6	WM052998-F105	Bezel single display preset, emergency	
7	WM052999-F105	Bezel single display preset, EMT, emergency	
8	WM053003-F105	Bezel sing disp preset, EMT, iButton, emergency	
9	WM053007-F105	Bezel single disp preset, iButton, emergency	
10	WM053008-F105	Bezel dual display preset	
11	WM053009-F105	Bezel dual display preset, EMT	
12	WM053010-F105	Bezel dual display preset, EMT, iButton	
13	WM053011-F105	Bezel dual display preset, iButton	
14	WM053012-F105	Bezel dual display preset, emergency	
15	WM053013-F105	Bezel dual display preset, EMT, emergency	
16	WM053014-F105	Bezel dual display preset, EMT, iButton, emergency	
17	WM053015-F105	Bezel dual display preset, iButton, emergency	
18	WM053016-F105	Bezel EMT	
19	WM057144-F105	Bezel blind	
20	WM057145-F105	Bezel emergency button	

No.	Part Number	Description	Amount
21	WM061671-F105	Bezel iButton	

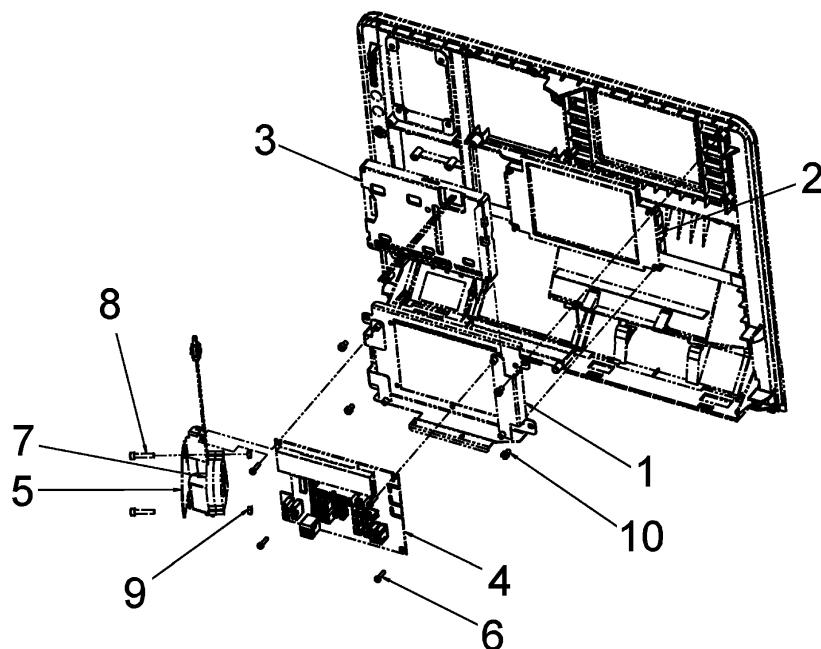
5.9 Display module

5.9.1 Display module, softkeys and qVGA, Monochrome



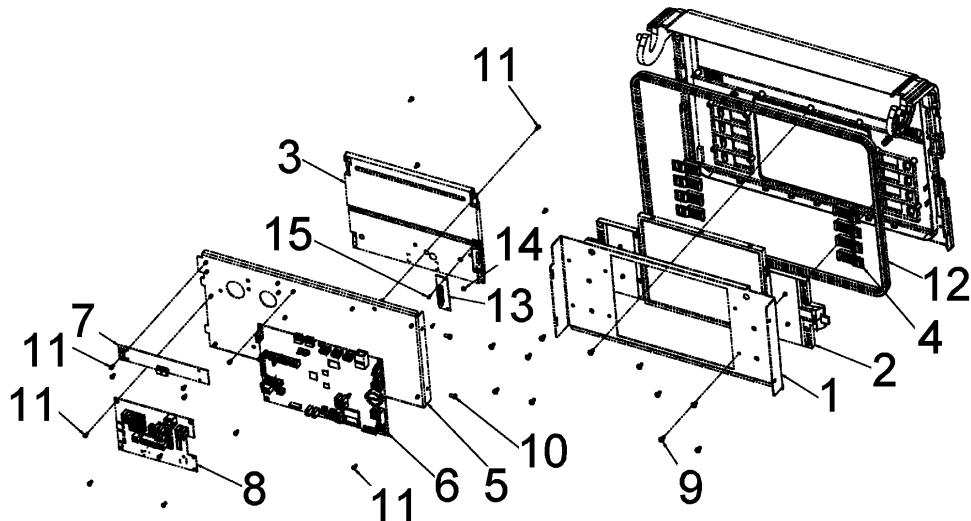
No.	Part Number	Description	Amount
1	WM039974	Support, soft key, monochrome display 5,7"	1
2	WM040524	Key pad, soft key 5.7"	1
	WM040572-0001	Cable multi 5x0.34 l=300 for Soft keys (UL)	1
3	WU004677	Display module 5,7" FSTN transflective, qVGA W/LED, 109mm	1
4	WB000330-0004	Spacer, blind, M3x7, male/female hexagonal	4
5	WM042349	Support fan	1
6	WB000334-0001	Screw, hexagon socket CAP, M3x6	4
7	WM042628	Fan blower, 51x15mm, 24V	1
8	WB000209-0002	Screw, hexagon socket cap, M4x20	2
9	WB000228-0002	Nut, M4	2
10	WB000209-0008	Screw, hexagon socket CAP, M4x14	4

5.9.2 Display module, softkeys and qVGA, Color



No.	Part Number	Description	Amount
1	WM040046	Support, soft key, Kyocera display 5,7"	1
2	WM040524	Key pad, soft key 5.7"	1
3	WM022940	Display, module 5,7" TFT qVGA	1
4	WM020648-0001	Board, iX TFT interface Kyocera qVGA 5.7"	1
5	WM042347	Support, fan	1
6	WB000334-0003	Screw, hexagon socket CAP, M3x12	4
7	WM042628	Fan blower, 51x15mm, 24V	1
8	WB000209-0002	Screw, hexagon socket cap, M4x20	2
9	WB000228-0002	Nut, M4	2
10	WB000209-0008	Screw, hexagon socket CAP, M4x14	4

5.9.3 Soft key for 10.4" display with boards



No.	Part Number	Description	Amount
1	WM045539	Support soft key, 10.4" display	1
2	WM045513	Key pad, soft key 10.4"	1
3	WU002840	Display, module, 10.4" color TFT, VGA, LED backlight	1
4	WM047255-A040	Button, soft key, 10.4" display, silver A040	8
5	WM045536	Support, flat, 10.4" display, boards	1
6		CPU board iX-R2	
	WU007284-0002	- 806MHz, programmed (UL)	1
	WM044945	- Unsigned + MAC address (Media)	
	WM044946	- Production signed + MAC address (iX Payment)	
7	WU005427-0001	Board quad channel LED driver	1
8	WM020648-0004	Board iX TFT interface Sharp US VGA 10.4 CFL	1
9	WM045329-0001	Screw, hexagon socket cap, M4x8, low head	
10	WM045228-0001	Screw, hexagon socket cap, M4x8, low head	2
11	WB000334-0001	Screw, hexagon socket cap, M3x6	14
12	WM045016-0003	Gasket profile l=1465	1
13	WU002299-0001	Board adaptor, VGA, NEC, rear mount	1
14	WM038067	Spacer, thru-hole id=3,2, od=6, t=2	2

No.	Part Number	Description	Amount
15	WB000691-0003	Self tapping screw, POZ, pan head, F (B) ST2,2x6,5	2
16	WM042628	Fan blower, 51x15mm, 24V	1
17	WB000209-0002	Screw, hexagon socket cap, M4x20	2
18	WB000228-0002	Nut, M4	2

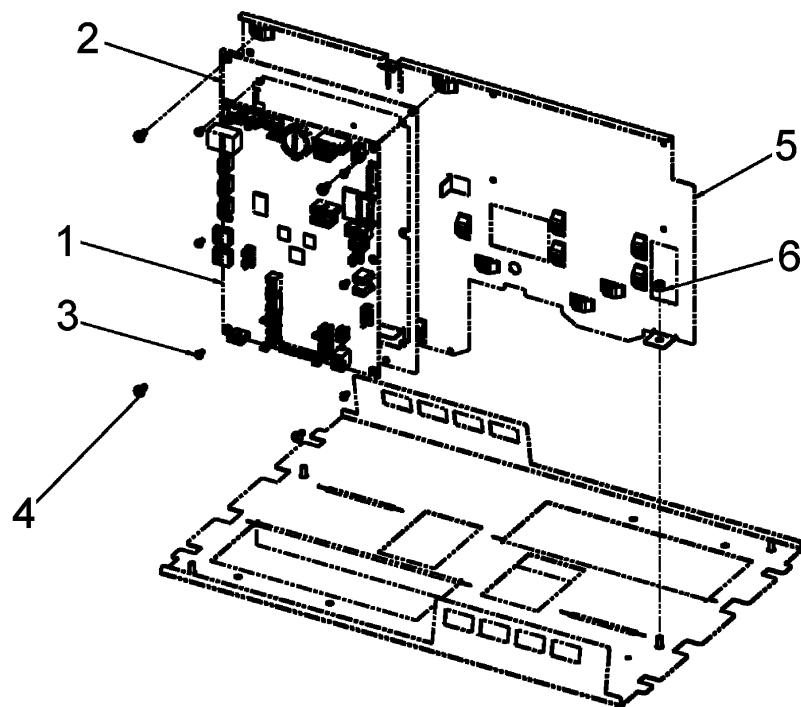
5.9.4 10.4" display and illuminated soft keys with boards

No.	Part Number	Description	Amount
1	WM053617	Support soft key, 10.4" display	1
2	WM052681	Key pad, illuminated	1
3	WM052713	Button, soft key, 10.4" display, illuminated	8
4	WM050658-0001	LED board	1
5	WM056538	Ferrite	1
6	WB000291-0006	Spacer, ID=4.3, OD=8, L=3	2
7	WB000232-0002	Washer, plain, M4	4
8	WU002840	Display, module, 10.4" color TFT, VGA, LED backlight	1
9	WM045536	Support, flat, 10.4" display, boards	1
10		Board, iX (R2)	
	WU003083-0001	- With MAC address (624MHZ)	1
	WU003083-00012	- With MAC address (806 MHZ)	1
	WM044945	- Unsigned + MAC Address	1
	WM044946	- Production signed + MAC Address	1
	WM044947	- Development + MAC Address	1
11	WU005427-0001	Board quad channel LED driver	1
12	WM020648-0004	Board iX TFT interface Sharp US VGA 10.4 CFL	1
13	WM045329-0001	Self tapping screw, Torx, pan head, 4x8 for plastic	11
14	WM045228-0001	Crew, hexagon socket cap, m4x8, low heads	2
15	WB000334-0001	Screw, hexagon socket cap, M3x6	19
16	WM045016-0003	Gasket profile L=1500	1

No.	Part Number	Description	Amount
17	WU002299-0001	Board adaptor, VGA, NEC, rear mount	1
18	WM038067	Spacer, thru-hole ID=3,2,OD=6, T=2	2
19	WB000691-0003	Self tapping screw, poz, pan head, F (B) ST2,2x6,5	2
20	WM042628	Fan blower, 51x15mm, 24V	1
21	WB000229-0002	Lock nut, M4	2

5.10 iX board

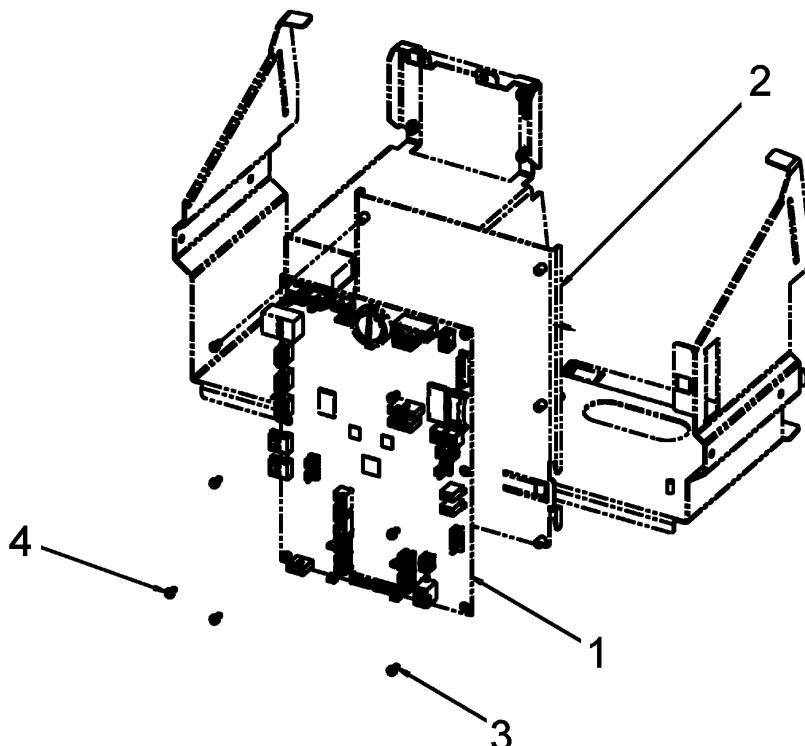
5.10.1 iX board (5.7" display monochrome)



No.	Part Number	Description	Amount
1		CPU board iX-R2	
	WU007284-0001	- Programmed (624MHz)	1
	WU003083-0001	- With MAC address (624MHz)	1
2	WM045709	Support, flat R2 board	1
3	WB000663-0001	Screw, taptite, M3x6 (MRX-TT)	6
4	WM045308-0002	Taptite screw, Torx, pan head, M4x10	4
5	WM038213	Support, flat, for components	1

No.	Part Number	Description	Amount
6	WB000229-0002	Lock nut, M4	1
-	see page 60	Support, U-shape, EH base plate	

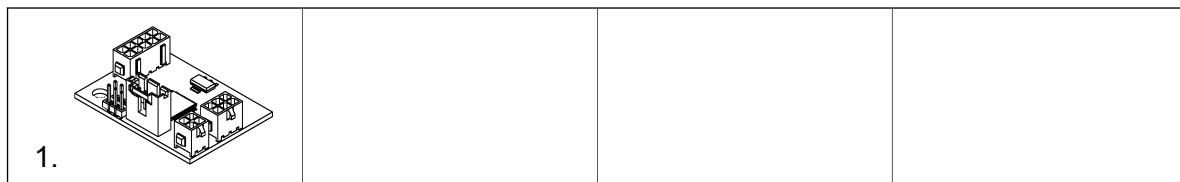
5.10.2 iX board (5.7" display color)



No.	Part Number	Description	Amount
1		CPU board iX-R2	1
	WU007284-0002	- Programmed (806MHz)	
	WU003083-0002	- With MAC address (806MHz)	
2	WM043442	Support, flat board bezel	1
3	WB000334-0001	Taptite screw, cross recessed, pan head, M3x6	6
4	WB000663-0001	Screw, taptite, M3x6 (MRX-TT)	1
-	see page 69	Support, U-shape, bottom plate	
-	see page 84	Support, L-shape, card reader	

5.11 Nozzle converter

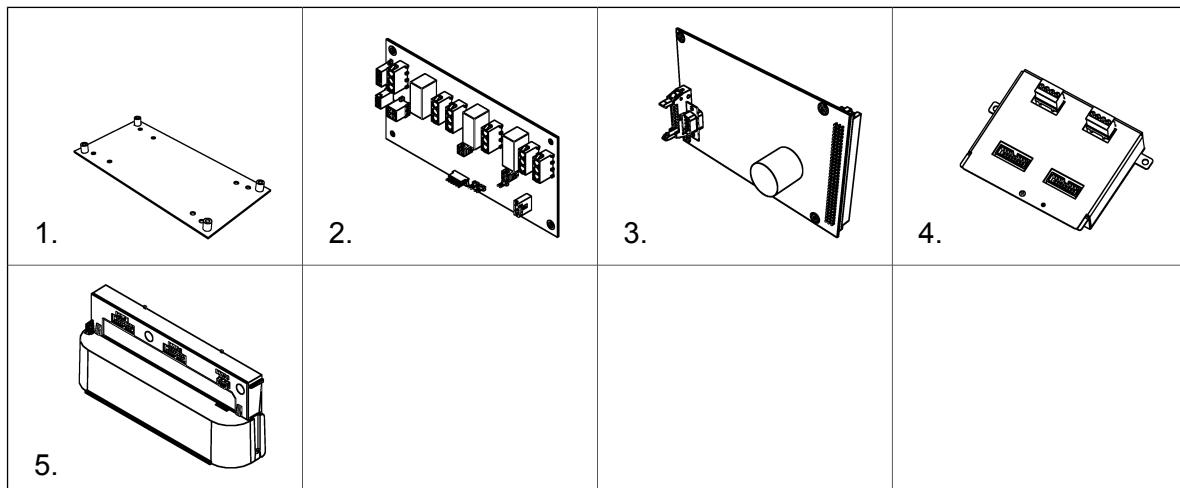
Cables see page 342.



No.	Part Number	Description	Amount
1		Nozzle converter board	1
	WM058444-0001	- Nozzle converter board	
	WU006752-0002	- Nozzle converter board, with alarm	

5.12 DEF/AdBlue (B2B combo)

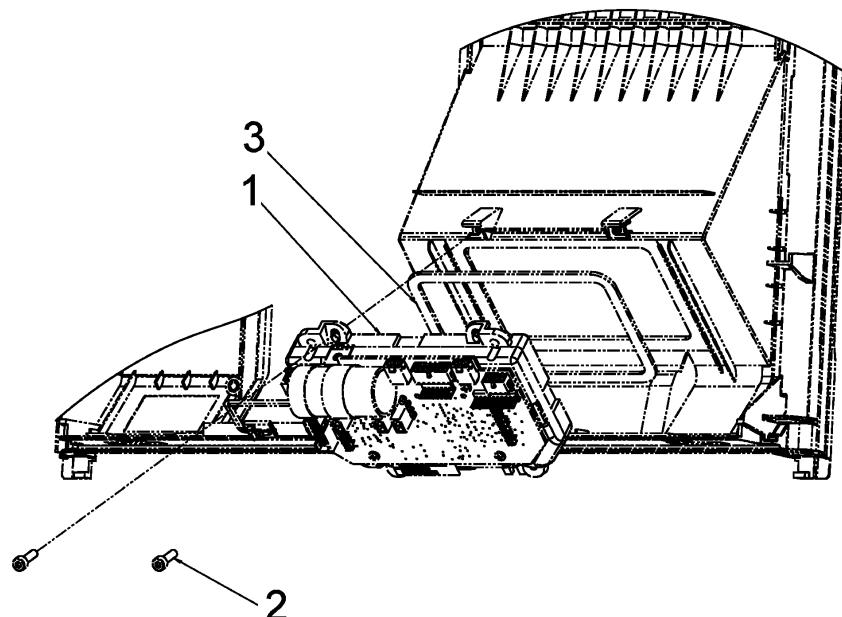
Cables, see page 334.



No.	Part Number	Description	Amount
1	WM060548	Support flat, DEF board	
2	WU008323-0001	Board, DEF Heater control IEC	
3	WM044451-0002	Expansion board, RS485, RS232	
4	WM002450	Intrinsic safe barrier	
5	WM046690-0001	Module, ISB three channel, ATEX	

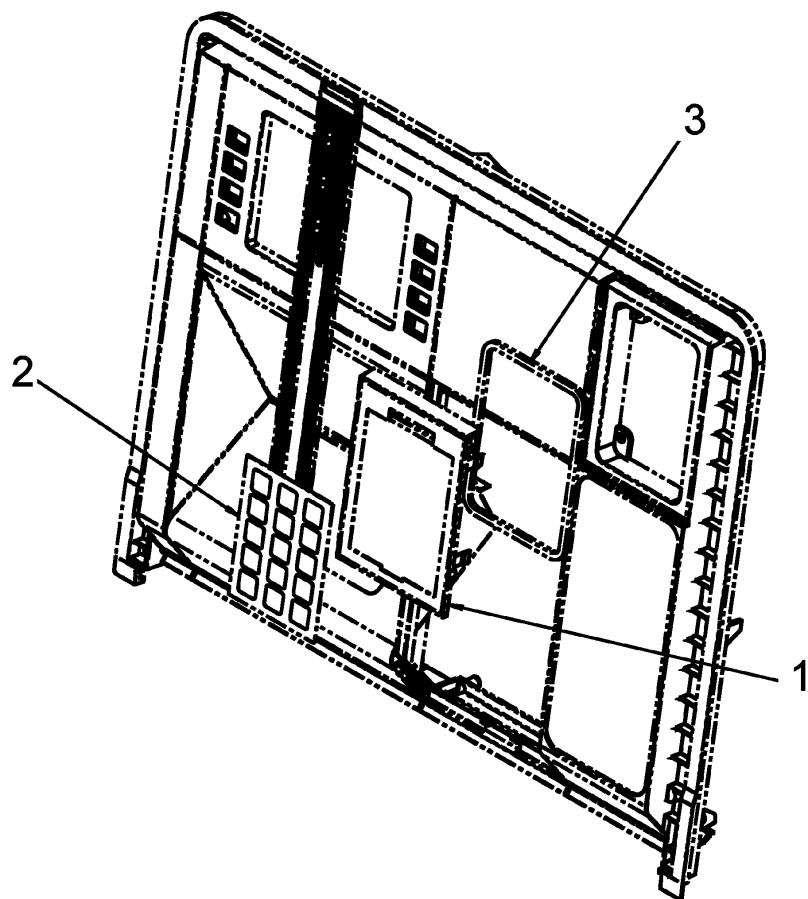
5.13 Keypad

5.13.1 SPM keypad



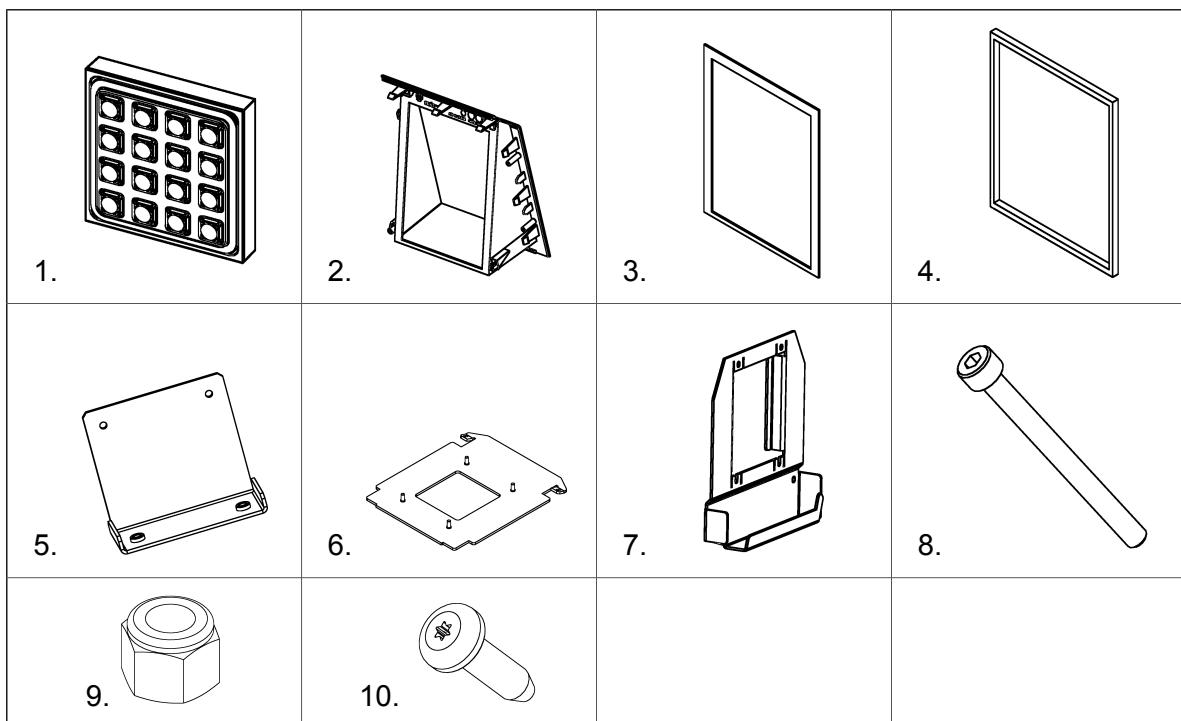
No.	Part Number	Description	Amount
1		Key pad, assy, secure payment module	
	WU000436-0005	- Canada low profile	1
	WU000436-0006	- US, low profile	1
	WU000436-0007	- UK, low profile	1
	WU000436-0008	- Gen, low profile	1
2	WB000209-0008	Screw, hexagon socket CAP, M4x14	2
3	WM042603	Gasket, SPM keypad	1

5.13.2 Preset keypad

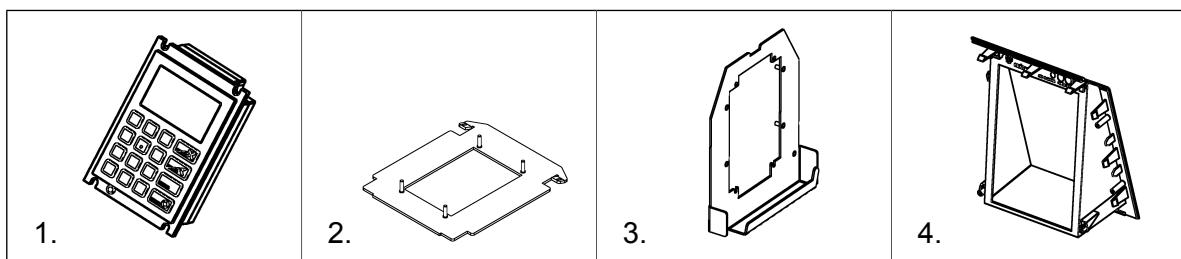


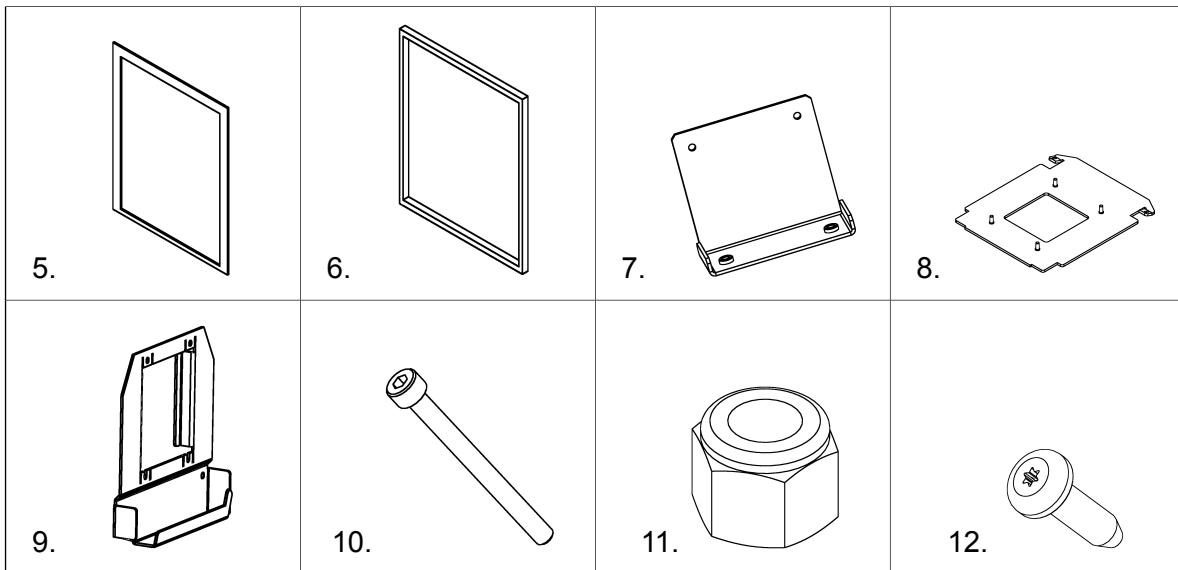
Cables, see page 343.

No.	Part Number	Description	Amount
1	WM039320-0001	Panel keypad back support	1 - 2
2	WU007271-0001	Preset, 3x5, no overlay, 70x92mm	1 - 2
3	WM045577	Gasket insert panel	1 - 2

5.13.3 Hypercom K1200+H2210 keypad

No.	Part Number	Description	Amount
1	WM022921-0003	Key pad Hypercom K1200, OK/Q8 SE	
2	WM052607-F105	Panel, inset, key pads	1
3	WM051072	Gasket, pin pad adapter, small PT	1
4	WM051065	Gasket, H=220, W=178, T=8	1
5	WM051875	Support, L-shape	1
6	WM052472	Support, flat, key pad, Hypercom K1200	1
7	WM052474	Support, Hypercom K1200	1
8	WB000209-0008	Screw, hexagon socket CAP, M4x14	4
9	WB000229-0002	Lock nut, M4	4
10	WM054537-0001	Self tapping screw for plastic	2

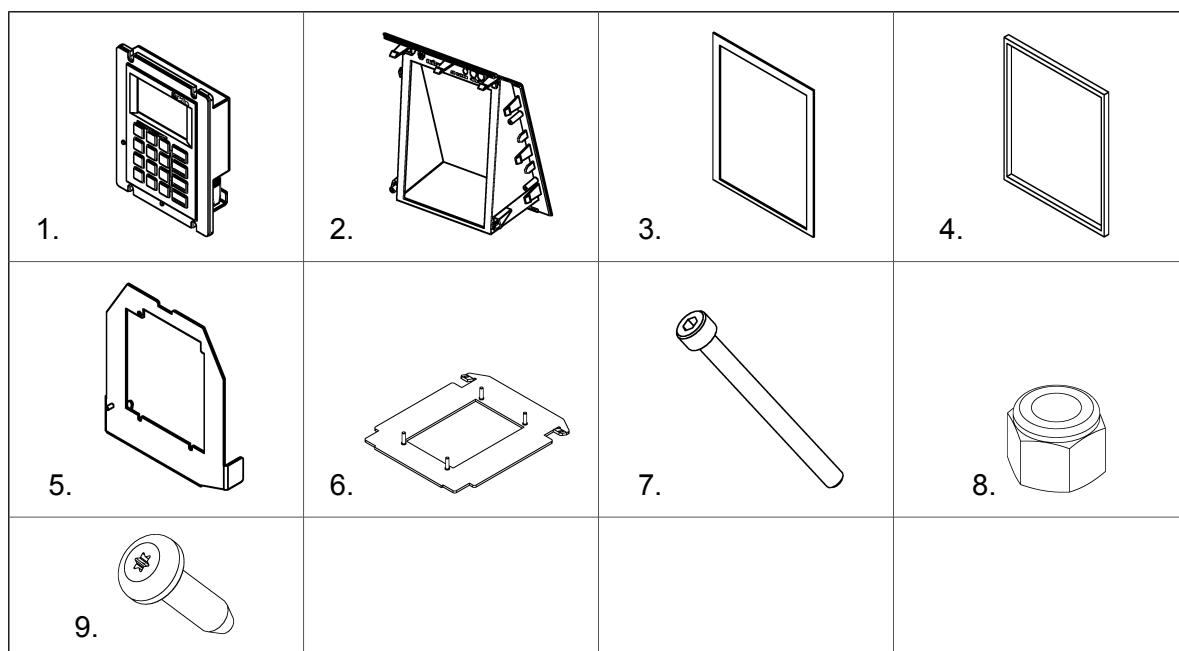
5.13.4 Hypercom, Artema



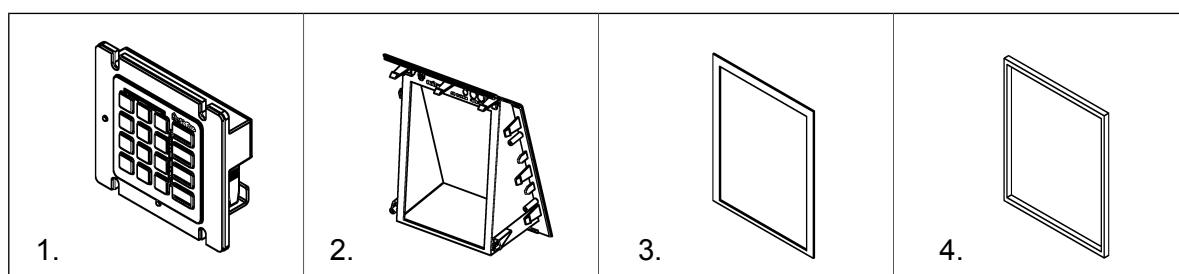
No.	Part Number	Description	Amount
1	WM041174	Key pad, Hypercom Artema	1
2	WM052429	Support, flat, Hypercom Artema	1
3	WM052456	Support, Hypercom Artema	1
4	WM052607-F105	Panel, inset, key pads	1
5	WM051072	Gasket, pin pad adapter, small PT	1
6	WM051065	Gasket, H=220, W=178, T=8	1
7	WM051875	Support, L-shape	1
8	WM052472	Support, flat, key pad, Hypercom K1200	1
9	WM052474	Support, Hypercom K1200	1
10	WB000209-0008	Screw, hexagon socket CAP, M4x14	4
11	WB000229-0002	Lock nut, M4	4
12	WM054537-0001	Self tapping screw for plastic	2

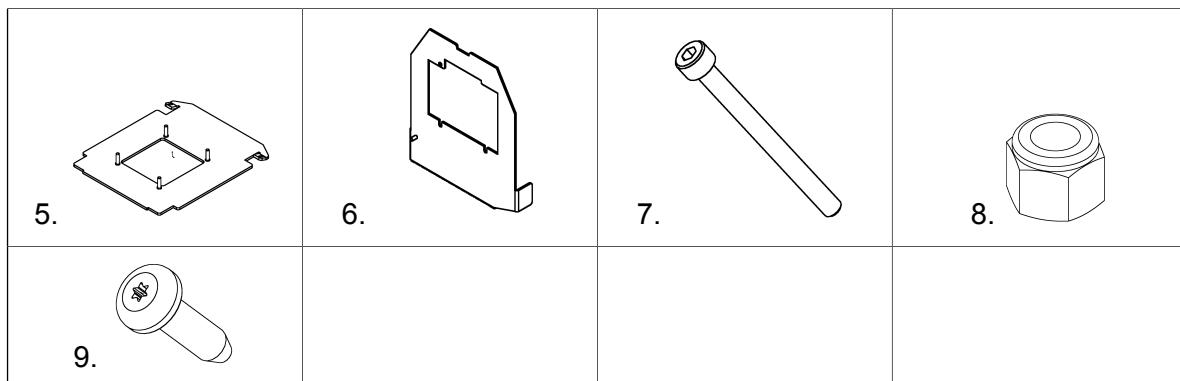
5.13.5 Ingenico iUP/iUC250, Card reader and Key pad

See page 89

5.13.6 Verifone UX100

No.	Part Number	Description	Amount
1	WM052590	Key pad Verifone UX100	1
2	WM052607-F105	Panel, inset, key pads	1
3	WM051072	Gasket, pin pad adapter, small PT	1
4	WM051065	Gasket, h=220, w=178, t=8	1
5	WM053898	Support, flat, key pad, Verifone UX 100	1
6	WM052429	Support, flat, Hypercom Artema	1
7	WB000209-0008	Screw, hexagon socket CAP, M4x14	4
8	WB000229-0002	Lock nut, M4	4
9	WM054537-0001	Self tapping screw for plastic	2

5.13.7 Verifone UX110



No.	Part Number	Description	Amount
1	WM052592	Key pad Verifone UX110	1
2	WM052607-F105	Panel, inset, key pads	1
3	WM051072	Gasket, pin pad adapter, small PT	1
4	WM051065	Gasket, h220, w=178, t=8	1
5	WM053891	Support, flat, key pad, Verifone UX 110	1
6	WM054017	Support, Verifone UX100	1
7	WB000209-0008	Screw, hexagon socket CAP, M4x14	4
8	WB000229-0002	Lock nut, M4	4
9	WM054537-0001	Self tapping screw for plastic	2

5.13.8 Metalic preset @ LEE

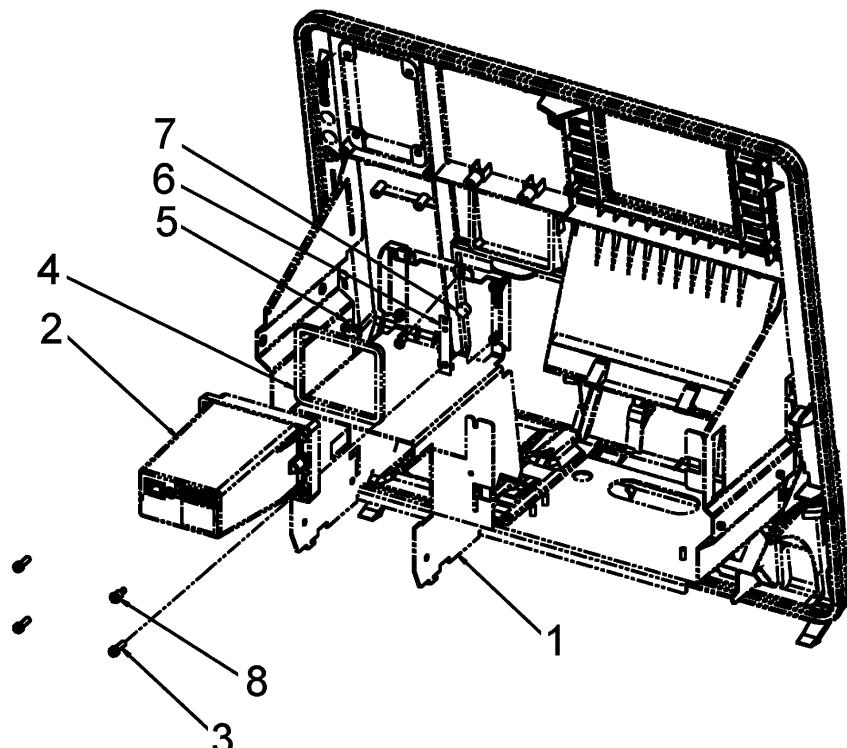
No.	Part Number	Description	Amount
1	WU011072-0001	Key pad, preset, 2x8, Helix, ADA	1
2	WU011072-0002	Key pad, preset, 2x8, Helix, ADA, with right hole	1
3	WU011072-0003	Key pad, preset, 2x8, Helix, ADA, with left hole	1
4	WU011072-0004	Key pad, preset, 2x8, Helix, ADA, with both holes	1
5	WU011072-0005	Key pad, preset, dual 2x8, Helix, ADA	1
6	WU011072-0006	Key pad, preset, dual 2x8, Helix, ADA, with right hole	1
7	WU011072-0007	Key pad, preset, dual 2x8, Helix, ADA, with left hole	1
8	WU011072-0008	Key pad, preset, dual 2x8, Helix, ADA, with both holes	1

No.	Part Number	Description	Amount
9	WU011733-0001	Cable assembly, preset, helix, 16 key	1
10	WM060566	Adhesive silicone TSE392	10ml

5.14 Card reader

Cables, see page 333.

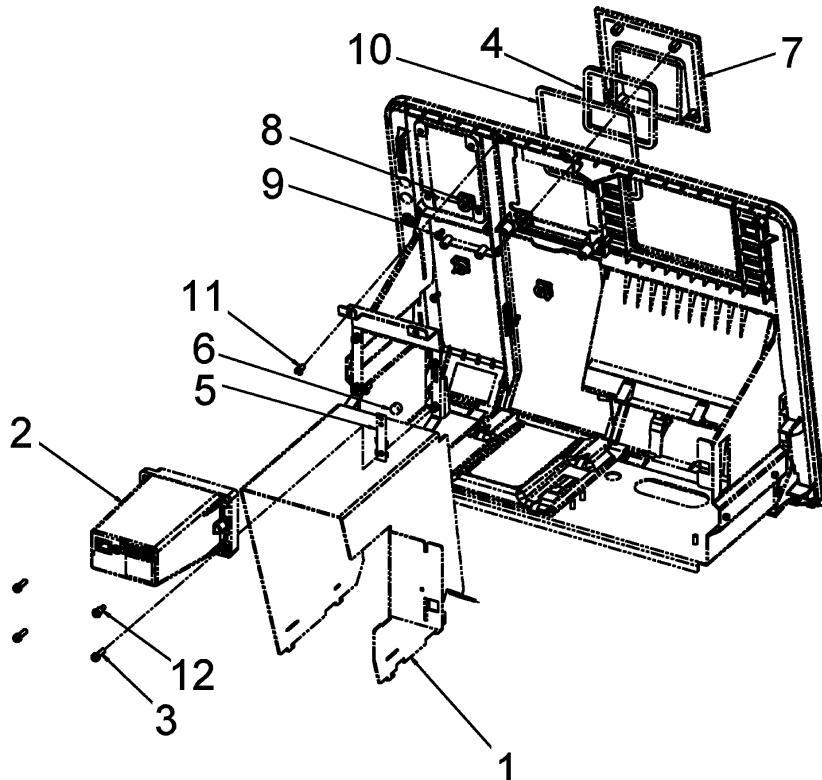
5.14.1 Card reader, chip/mag secure injected (Zebra/medium position)



No.	Part Number	Description	Amount
1	WM039427	Support, L-shape, card reader	1
2	WU001002-0001	Card reader chip/mag, secure, injected (incl. security screw from supplier)	1
3	WB000209-0008	Screw, hexagon socket CAP, M4x14	3
4	WM045438	Gasket 80x72	1
5	WM045228-0001	Screw, hexagon socket CAP, M4x8, low head	2
6	WM041514	Switch plate, SPM	1
7	WM046169	Knob SPM switch	1
8	WU004886-0001	Temper screw	1

No.	Part Number	Description	Amount
-	see page 69	PT Bezel	

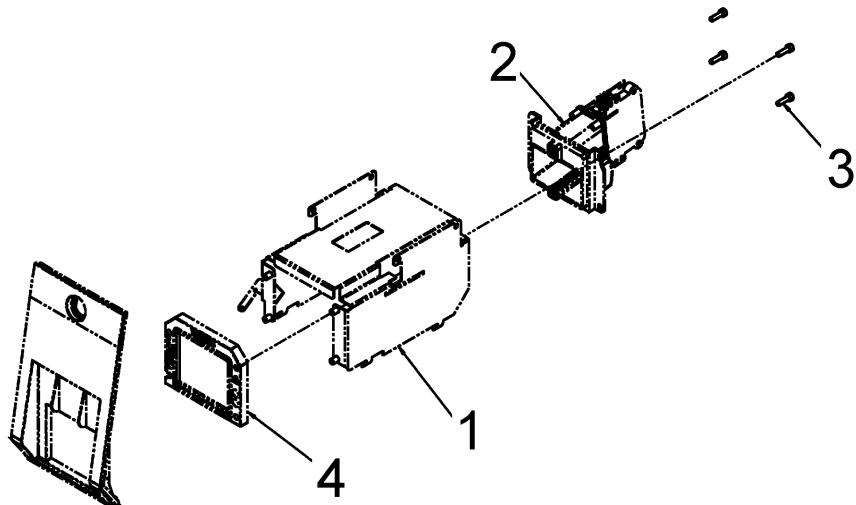
5.14.2 Card reader, chip/mag secyre injected, (Citizen/high position)



No.	Part Number	Description	Amount
1	WM039422	Support, L-shape, card reader	1
2	WU001002-0001	Card reader	1
3	WB000209-0008	Screw, hexagon socket CAP, M4x14	4
4	WM045438	Gasket 80X72	1
5	WM041514	Switch plate, SPM	1
6	WM046169	Knob SPM switch	1
7	WM046624	Moulded, cover citizen card reader adapter	1
8	WM046625	Moulded, housing for fastening, card reader, Citizen	4
9	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	4
10	WU007610-0001	Gasket upper card reader panel, Citizen	1
11	WM045228-0001	Screw, hexagon socket cap, M4x8, low head	2

No.	Part Number	Description	Amount
12	WU004886-0001	Tamper screw	1
-	see page 69	Support, U-shape, bottom plate	

5.14.3 Card reader, mag type, (ADA/low position)



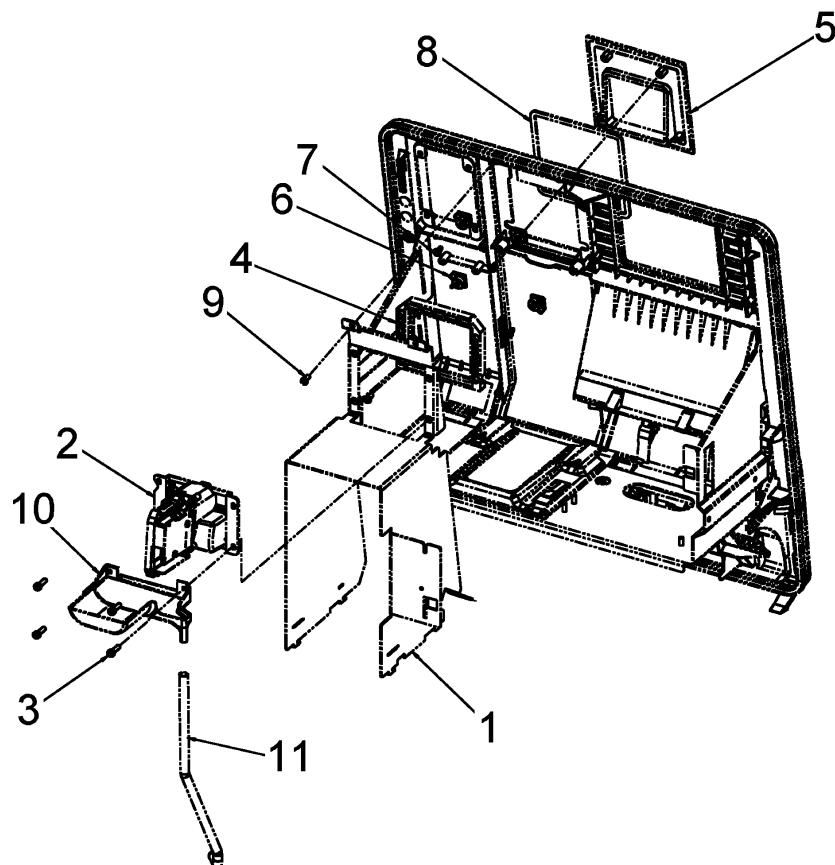
No.	Part Number	Description	Amount
1	WM042098	Support, box shape, card reader ADA	1
2		Card reader	
	WU003908-0001	- Mag only, Sankyo	1
	WU000899-0001	- Magnetic, insertion type, single head	1
	WU002747-0001	- Secure mag only, Sankyo	1
3	WB000663-0001	Taptite screw, cross recessed, pan head, M3x6	4
4	WM044173	Gasket card reader	1
-	see page 98	Panel, printer door	

5.14.4 Card reader, mag type, (Zebra/medium position)

No.	Part Number	Description	Amount
1		Card reader	
	WU003908-0001	- Mag only, Sankyo	1
	WU000899-0001	- Magnetic, insertion type, single head	1
	WU002747-0001	- Secure mag only, Sankyo	1

No.	Part Number	Description	Amount
2	WB000663-0001	Taptite screw, cross recessed, pan head, M3x6	4
3	WM045438	Gasket 80X72	1
4	WM044154	Moulded water tray	1
5	WM045379-0001	Tube, flexible di=7, do=9	1

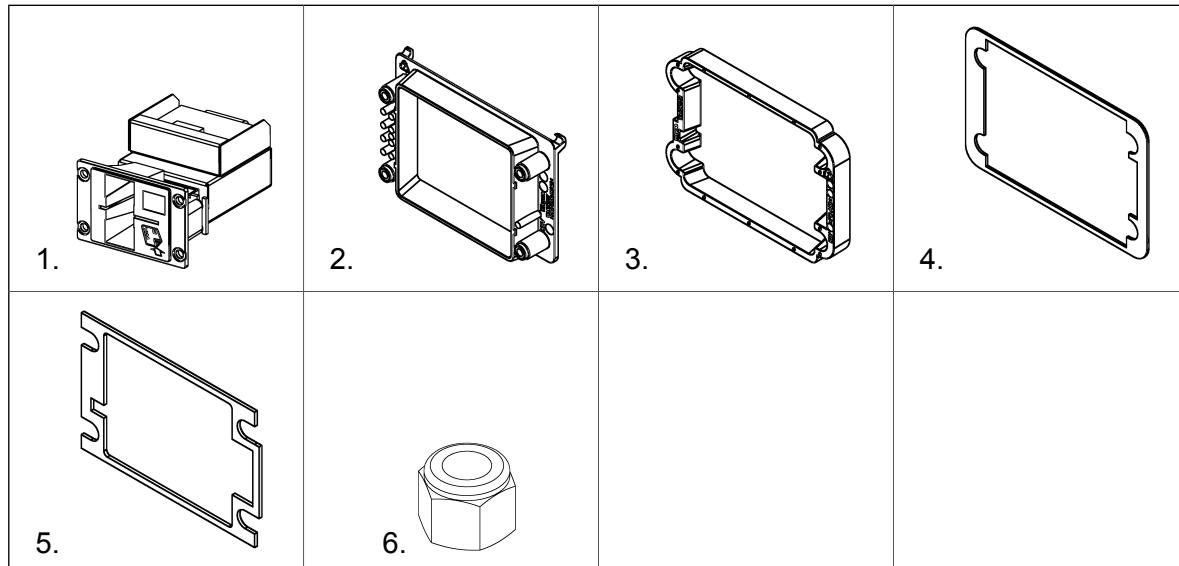
5.14.5 Card reader, mag type, (Citizen/High position)



No.	Part Number	Description	Amount
1	WM046623	Support, U-shape, card reader Citizen	1
2		Card reader	
	WU003908-0001	- Mag. only, Sankyo	1
	WU000899-0001	- Magnetic, insertion type, single head	1
	WU002747-0001	- Secure mag. only, Sankyo	1
3	WB000663-0001	Taptite screw, cross recessed, pan head, M3x6	4

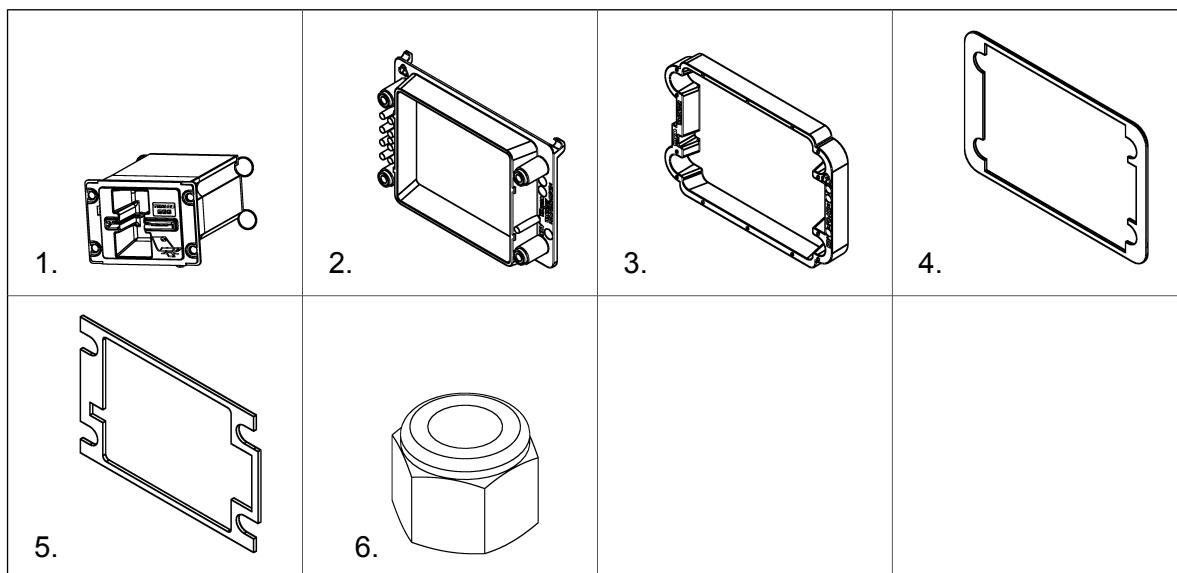
No.	Part Number	Description	Amount
5	WM046624	Moulded, cover Citizen card reader adapter	1
6	WM046625	Moulded, housing for fastening, card reader, Citizen	4
7	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	4
8	WU007610-0001	Gasket upper card reader panel, Citizen	1
9	WM045228-0001	Screw, hexagon socket CAP, M4x8, low head	2
10	WM044154	Moulded water tray	1
11	WM045379-0002	Tube, flexible di=7, do=9	1

5.14.6 Hypercom K1200+H2210 cardreader



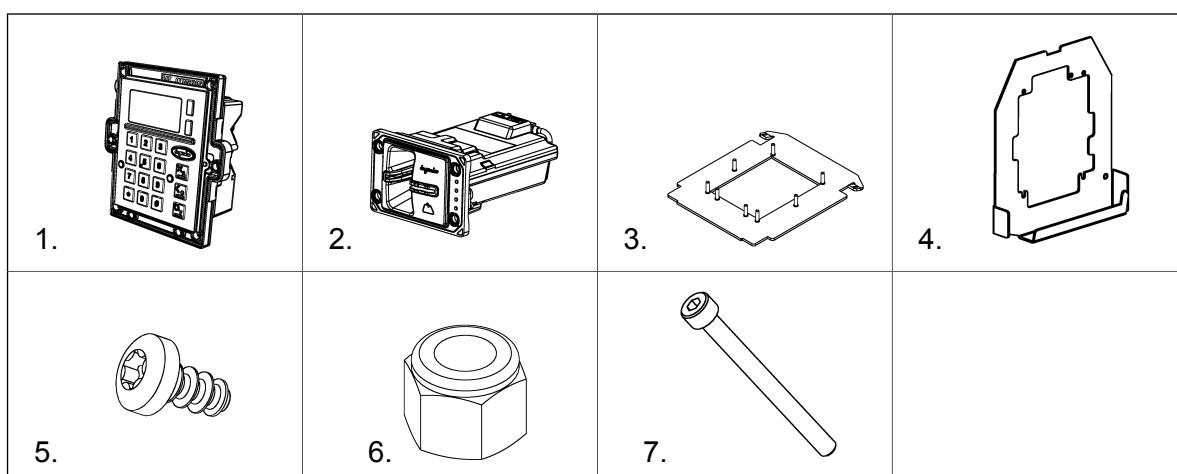
No.	Part Number	Description	Amount
1	WM017269	Card reader insertion Hypercom EMV	1
2	WM052603-F105	Panel, card reader, front adapter with fasteners	1
3	WM050118	Panel, card reader, adapter, inner	1
4	WM051069	Gasket, card reader adapter, small PT	1
5	WM051070	Gasket, card reader, small PT	1
6	WB000229-0002	Lock nut, M4	2

5.14.7 Hypercom, Artema



No.	Part Number	Description	Amount
1	WM041178	Card reader, Hypercom Artema	1
2	WM052603-F105	Panel, card reader, front adapter with fasteners	1
3	WM050118	Panel, card reader, adapter, inner	1
4	WM051069	Gasket, card reader adapter, small PT	1
5	WM051070	Gasket, card reader, small PT	1
6	WB000229-0002	Lock nut, M4	2

5.14.8 Ingenico iUP/iUC250, Card reader and Key pad

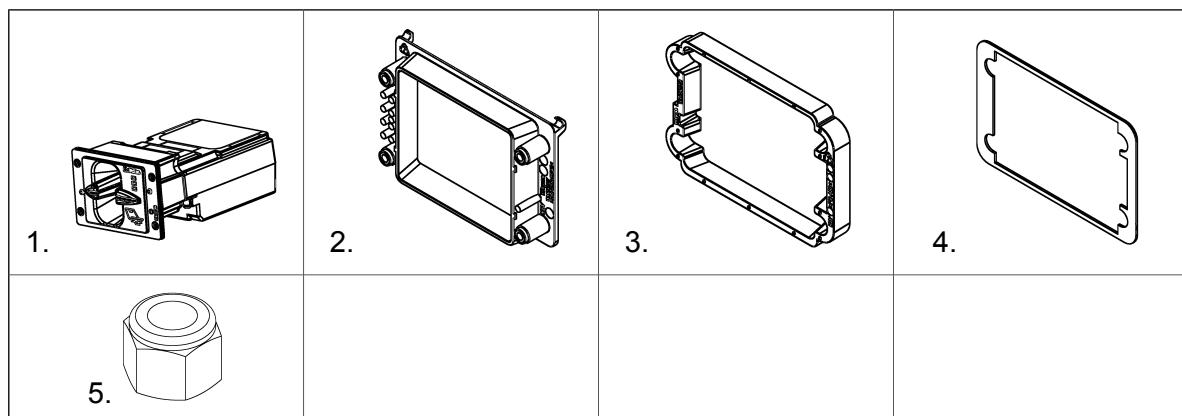


No.	Part Number	Description	Amount
1	WM052369	Ingenico iUP250, key pad	
2	WM052368	Ingenico iUC150, card reader	

5 Electronic head

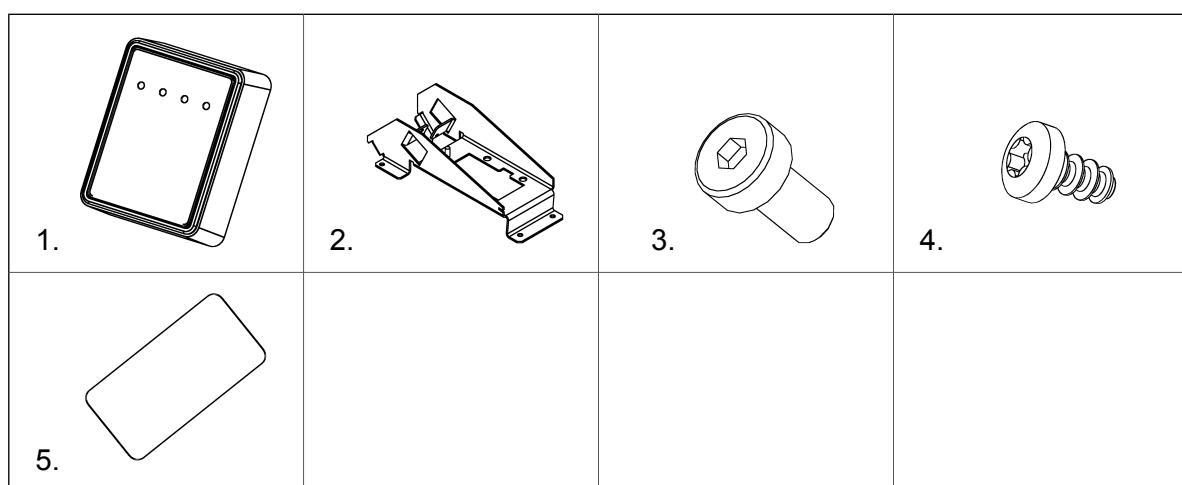
No.	Part Number	Description	Amount
3	WM051314	Support, flat, key pad, Ingenico iUP250	1
4	WM051330	Support, Ingenico iUP250	1
5	WM045329-0001	Self tapping screw, torx, pan head 4x8, for plastic	4
6	WB000229-0002	Lock nut, M4	8
7	WB000209-0008	Screw, hexagon socket CAP, M4x14	1

5.14.9 Verifone UX300



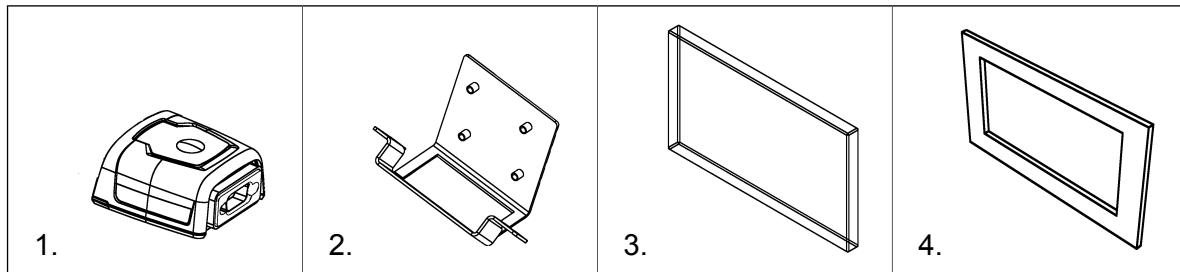
No.	Part Number	Description	Amount
1	WM052591	Card reader verifone UX300	1
2	WM052603-F105	Panel, card reader, front adapter w/fasteners	1
3	WM050118	Panel, card reader, adapter, inner	1
4	WM051069	Gasket, card reader adapter, small PT	1
5	WB000229-0002	Lock nut, M4	2

5.15 Contactless reader



No.	Part Number	Description	Amount
1	WU007054-0001	Card reader, contactless C150, internal mount, portrait	1
2	WM052454	Support box-shape, scanner and contactless reader	1
3	WM045228-0001	Screw, hexagon socket cap, M4 x 8, low head	2
4	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	4
5	WM053583	Blind panel, decal T=1	1

5.16 Barcode scanner

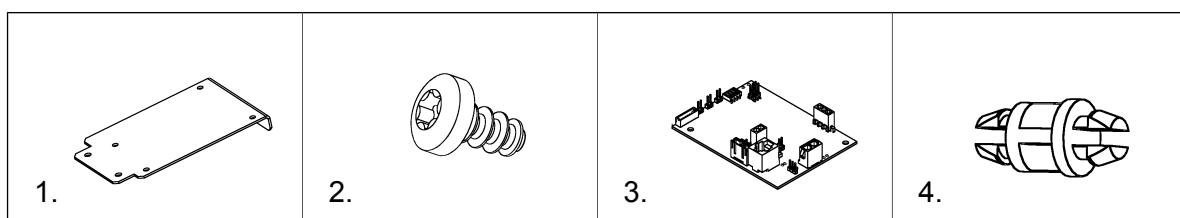


Cables, see page 332.

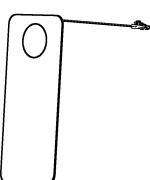
No.	Part Number	Description	Amount
1	WU006442-0001	Barcode scanner	1
2	WM052454	Support for barcode scanner	1
3	WM047579	Glass for barcode scanner	1
4	WM051003	Adhesive, dow corning 3526 (alt. WM054487 dow corning 3636 or WM053800 Loctite 5607)	1

5.17 Wayne track / Speed pass

Both Tieger & Pegasus



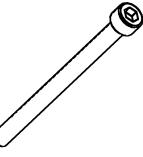
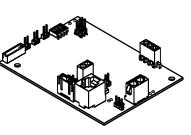
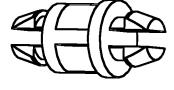
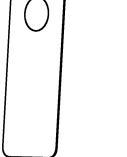
5 Electronic head

5.		6. ---	
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No.	Part Number	Description	Amount
1	WM058788	Support, L-shape, Wayne TRAC	1
2	WM045329-0001	Self tapping screw, Torx, pan head 4 x 8, for plastic	2
3	WU007169-0001	WayneTRAC board	1
4	WU000627-0002	Standoff, support post, nylon	4
5		Module	
	WU009811-0001	- Speedpass, antenna-tiger lighting decal	1
	WU009811-0003	- Speedpass, antenna-pegasus lighting decal	1
6	TBD	Silicon sealing	5ml

5.18 Wayne track / Speed pass combined with contactless and/or bar code scanner

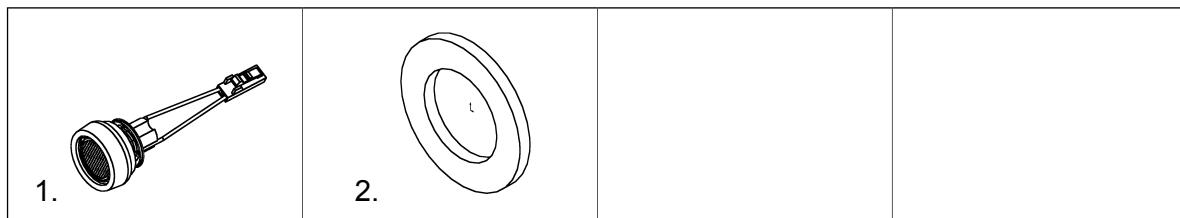
Both Tieger & Pegasus

1. ---			
5.		6. 	

No.	Part Number	Description	Amount
1	TBD	Silicon sealing	
2	WM053469	Support, L-shape, Wayne TRAC w/ contactless	1
3	WB000211-0012	Screw, hexagon socket cap, M6x10	2
4	WU007169-0001	WayneTRAC board	1

No.	Part Number	Description	Amount
5	WU000627-0002	Stndoff, support post, nylon	4
6		Module	
	WU009811-0002	- Speedpass, antenna-tiger lighting decal	1
	WU009811-0004	- Speedpass, antenna-Pegasus lighting decal	1

5.19 iButton/Dallas key

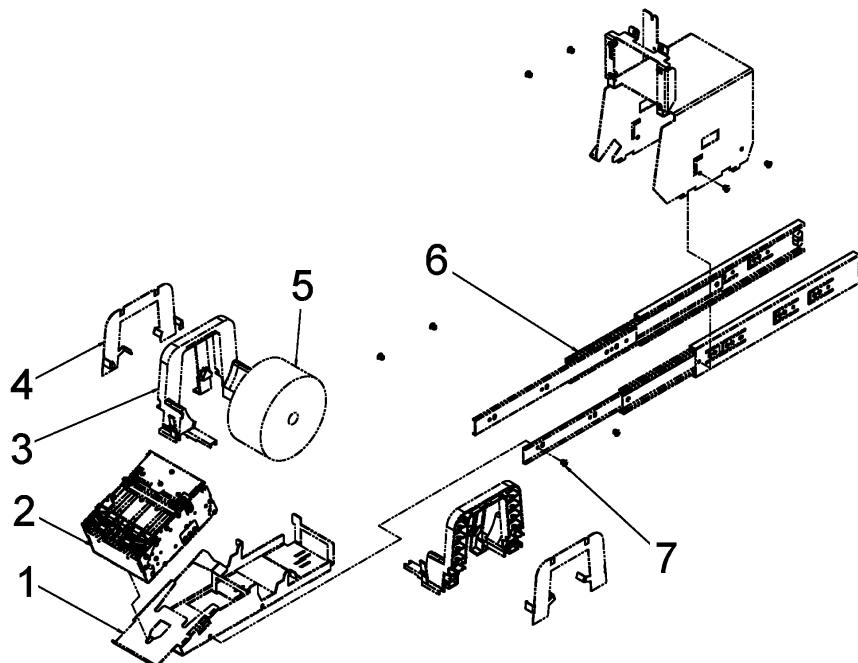


Cables, see page 336.

No.	Part Number	Description	Amount
1	WR001263	Button, iButton reader	1
2	WR001257	Gasket, iButton	1

5.20 Printer

5.20.1 Printer, 60mm, Zebra



Cables, see page 349.

No.	Part Number	Description	Amount
1	WM039400	Support, U-shape, Zebra printer	1
2	WU006648-0001	Printer Zebra KR203, 60mm (on picture)	1
3	WM044276	Moulded support, paper roll	2
4	WM046250	Support, U-shape	1
5	WU007118-0001	Paper roll 60mm	1
6	WM045125	Rail l=300, complete assembly	2
7	WM028446-0001	Pop rivet, dome head, 4.0 diameter x 7, grip range 0-3,2	8
-	see page 84	Support, L-shape, card reader	

5.20.2 Printer, 60mm, Zebra KR403

No.	Part Number	Description	Amount
1	WM058121	Zebra printer KR403	
2	WM036596	Sensor paper roll, Swecoin	
3	WU006886	Bracket paper guide, 60mm	
4	WM058125	Software Zebra K403 firmware	

No.	Part Number	Description	Amount
5	WM060106	Knob, Zebra printer KR403	
6	WM058916	Bracket loop cover kit, KR203 short finger	

5.20.3 Printer, 80mm, Zebra

Cables, see page 349.

No.	Part Number	Description	Amount
1	WM039400	Support, U-shape, Zebra printer	1
2	WU006648-0002	Printer Zebra KR203, 80mm	1
3		Moulded support, paper roll	2
4	WM040489	Paper roll thermal 80mm	1
5	WM045125	Rail l=300, complete assembly	2

5.20.4 Printer, 80mm, Zebra KR403

No.	Part Number	Description	Amount
1	WM058121	Zebra printer KR403	
2	WM036596	Sensor paper roll, Swecoin	
3	WU006887	Bracket paper guide, 80mm	
4	WM058125	Software Zebra K403 firmware	
5	WM060106	Knob, Zebra printer KR403	
6	WM058916	Bracket loop cover kit, KR203 short finger	

5.20.5 Printer, 60mm, Zebra (5,7" display)

No.	Part Number	Description	Amount
1	WU006648-0001	Printer Zebra, 60mm	1
2	WM048061	Support, paper roll	1
3	WM048062	Moulded, rail, printer support	1
4	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	3
5	WM054095	Support L-shape, printer	1
6	WM054097-0001	Support U-shape, adapter Zebra	1
7	WM040483	Support, shaft paper	1
8	WU007118-0001	Paper roll thermal OCPT	1

No.	Part Number	Description	Amount
9	WM045125	Rail l=300, complete assembly	1
10	WM028446-0001	Pop rivet, dome head, 4.0 diameter x7, grip range 0-3,2	4

5.20.6 Printer, 60mm, Zebra (10,4" display)

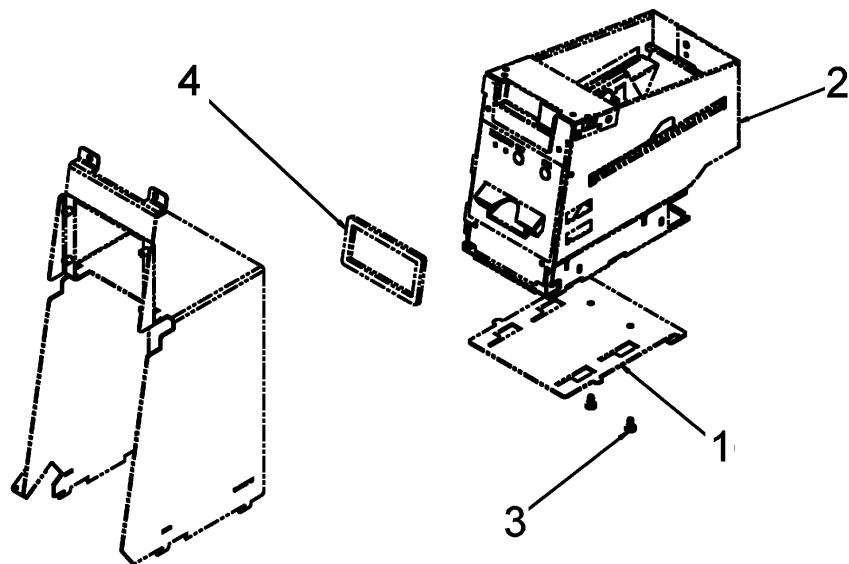
No.	Part Number	Description	Amount
1	WU006648-0001	Printer Zebra, 60mm	1
2	WM048061	Support, paper roll	1
3	WM048062	Moulded, rail, printer support	1
4	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	3
5	WM054095	Support L-shape, printer	1
6	WM054097-0001	Support U-shape, adapter Zebra	1
7	WM040483	Support, shaft paper	1
8	WU007117-0001	Paper roll 60 mm	1
9	WM045125	Rail l=300, complete assembly	1
10	WM028446-0001	Pop rivet, dome head, 4.0 diameter x7, grip range 0-3,2	4

5.20.7 Printer, 80mm, Zebra (5,7" display)

No.	Part Number	Description	Amount
1	WU006648-0002	Printer Zebra, 60mm	1
2	WM048061	Support, paper roll	1
3	WM048062	Moulded, rail, printer support	1
4	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	3
5	WM054095	Support L-shape, printer	1
6	WM054097-0001	Support U-shape, adapter Zebra	1
7	WM040483	Support, shaft paper	1
8	WU007118-0001	Paper roll thermal OCPT	1
9	WM045125	Rail l=300, complete assembly	1
10	WM028446-0001	Pop rivet, dome head, 4.0 diameter x7, grip range 0-3,2	4

5.20.8 Printer, 80mm, Zebra (10,4" display)

No.	Part Number	Description	Amount
1	WU006648-0002	Printer Zebra, 60mm	1
2	WM048061	Support, paper roll	1
3	WM048062	Moulded, rail, printer support	1
4	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	3
5	WM054095	Support L-shape, printer	1
6	WM054097-0001	Support U-shape, adapter Zebra	1
7	WM040483	Support, shaft paper	1
8	WM040489	Paper roll 80 mm	1
9	WM045125	Rail l=300, complete assembly	1
10	WM028446-0001	Pop rivet, dome head, 4.0 diameter x7, grip range 0-3,2	4

5.20.9 Printer, Citizen

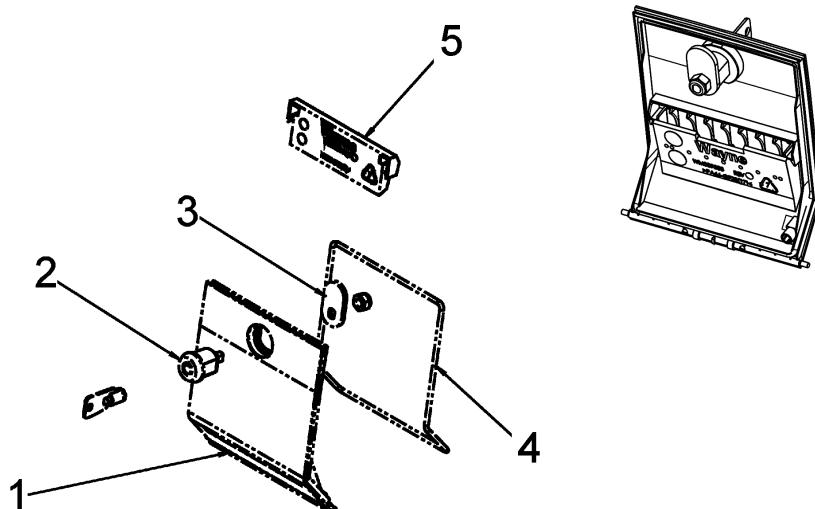
Cables, see page 334.

No.	Part Number	Description	Amount
1	WM039420	Support, flat, printer Citizen	1
2	WU005878-0001	Printer DW-12	1
3	WM045308-0002	Taptite screw, Torx, pan head, M4x8	2
4	WM046834	Gasket Citizen printer	1

No.	Part Number	Description	Amount
-	see page 87	Support, U-shape, card reader Citizen	

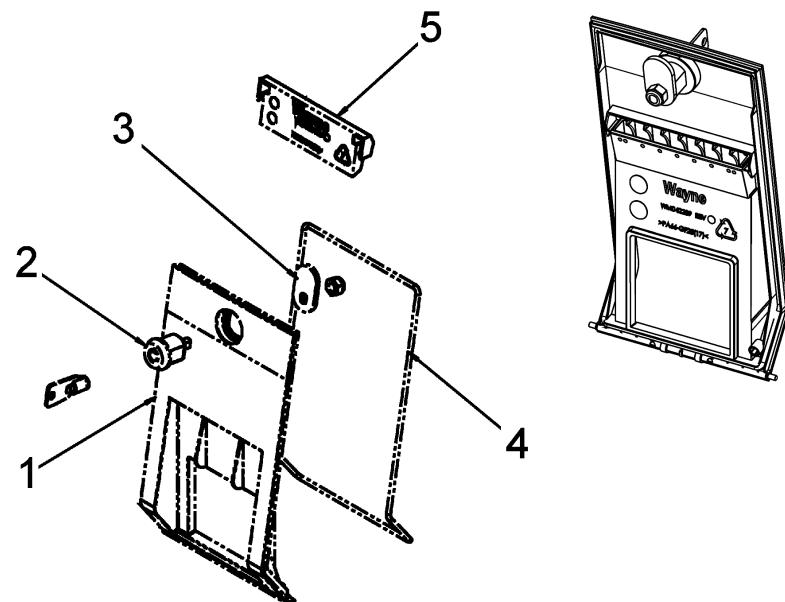
5.21 Printer door

5.21.1 Printer door small



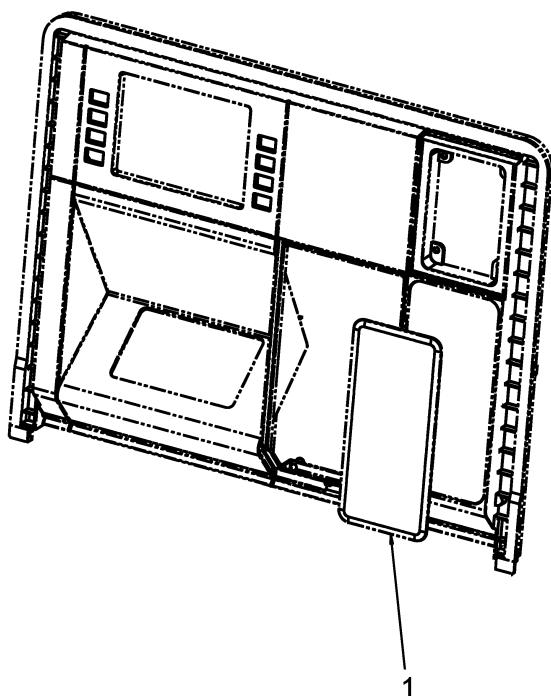
No.	Part Number	Description	Amount
1	WM052520-F105	Printer door, small	1
2	WU007624-0002	Lock without latch, std, DW2 key code	1
3	WM039385	Latch, flat, range=25 mm	1
4	WM045302-0001	Gasket profile - L=500	1
5	WM041208	Support, flat paper guide	1
---	WM045798	Sealant, gel, Loctite 454	

5.21.2 Printer door large



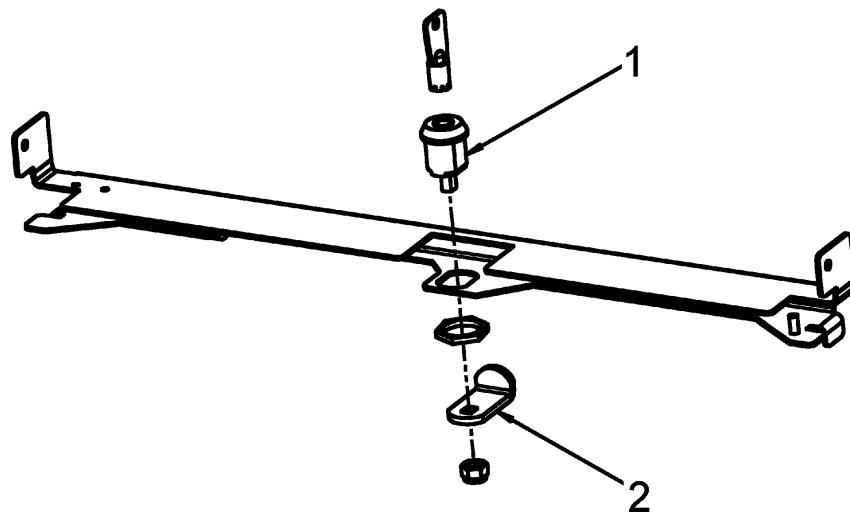
No.	Part Number	Description	Amount
1		Panel, printer door	
	WM042289	- Large, printer above	1
	WM039423	- Large	1
2	WU007624-0002	Lock without latch, DW2 key code	1
	WU007681	- Key coded DW2	1
3	WM039385	Latch, flat, range=25 mm	1
4	WM045302-0002	Gasket profile - L=660	1
5	WM041208	Support, flat paper guide	1
---	WM045798	Sealant, gel, Loctite 454	

5.22 Cover decal area PT

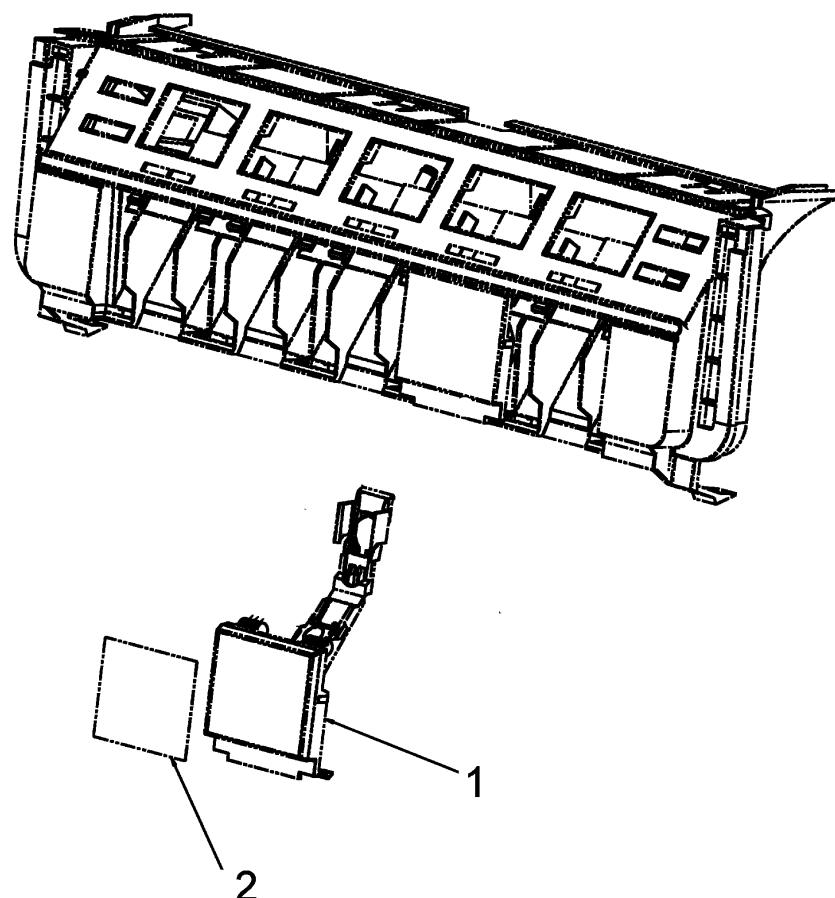


No.	Part Number	Description	Amount
1	WM044409	Moulded decor panel	1

5.23 Lock, PT



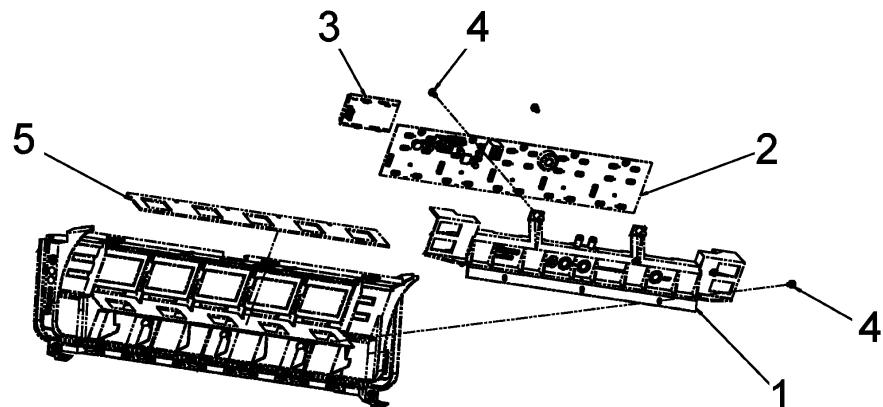
No.	Part Number	Description	Amount
1		Lock	
	WM026155-0001	- Lock, individually keyed	1
	WM026155-0003	- Lock, individually keyed, 4 locks, 2 keys	
	WU007624-0001	- Without latch, std, DHW1 key code	1
	WM008096	Key to DHW1 standard lock	1
2	WM045965	Latch L-shape, range=24 mm	1
-	see page 60	Support, U-shape, EHPM	

5.24 Push to start button

No.	Part Number	Description	Amount
1	WU007599-0001	Push-button (PTS assembly with dome and magnet)	1 - 5
2	WM039328	Blind panel, blank button	0 - 5

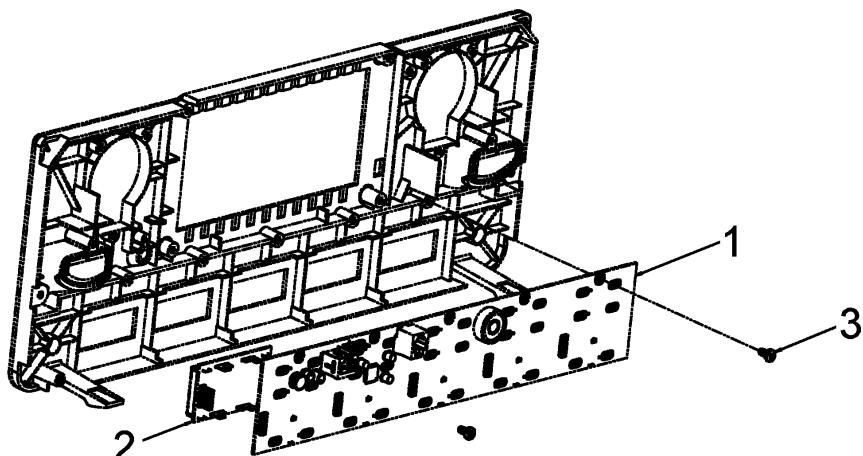
5.25 UPD board

5.25.1 UPD board, LEE



No.	Part Number	Description	Amount
1	WM039282	Support, box shape, LEEs back part	1
2	WU007563-0001	Display board Helix main UPD	1
3		Display, module UPD	
	WM040824-0007	- 5x12.7mm single	1 - 5
	WM040824-0008	- 5x25.4mm single	1 - 5
	WM040824-0009	- 5x12.7mm dual	1 - 5
4	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	2
5	WM041399	Gasket, push to start sealing	1
-	see page 66	Bezel lower electronic enclosure	

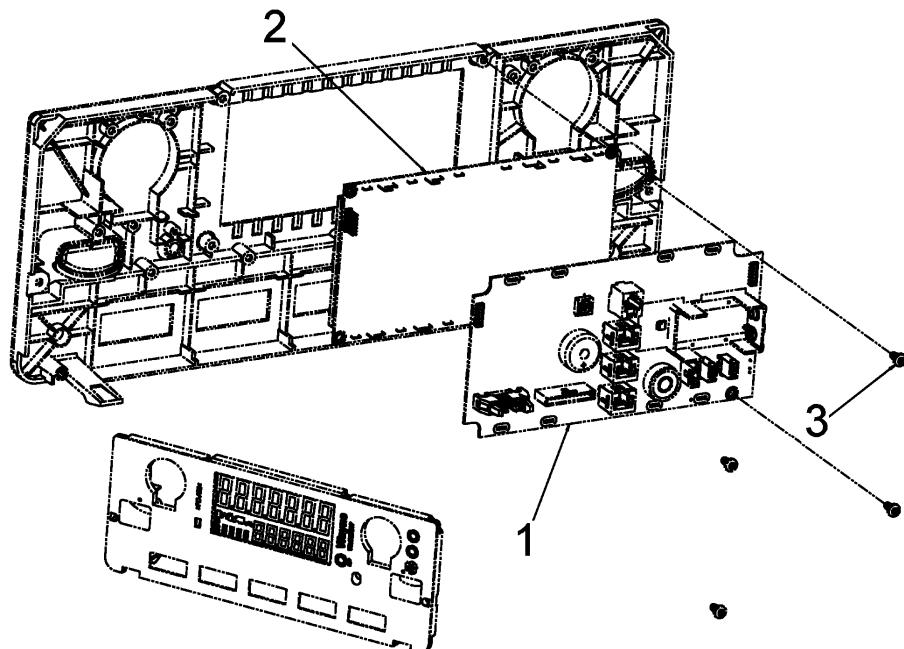
5.25.2 UPD board, EH



No.	Part Number	Description	Amount
1	WU007563-0001	Display board Helix main UPD	1
2	WM040824-0007	Display, module UPD 5x12.7mm single	1 - 5
3	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	2

5.26 Sales/Volume display

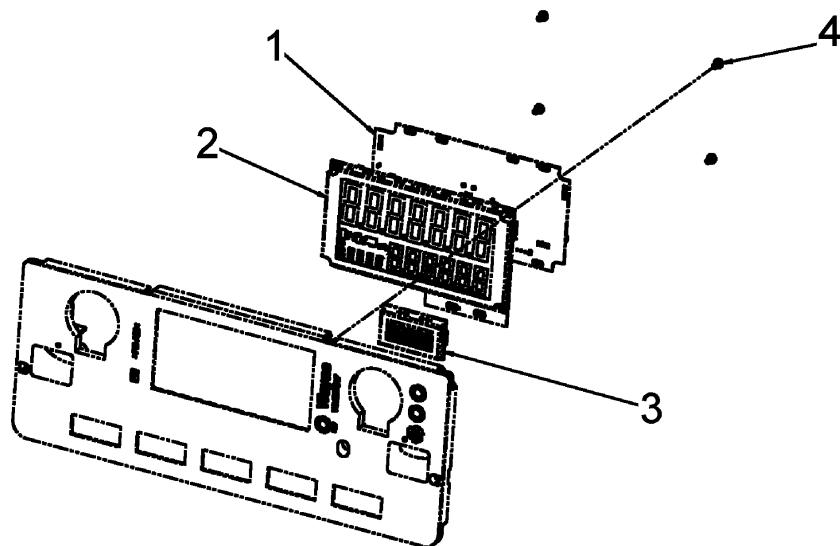
5.26.1 Sales/Volume display



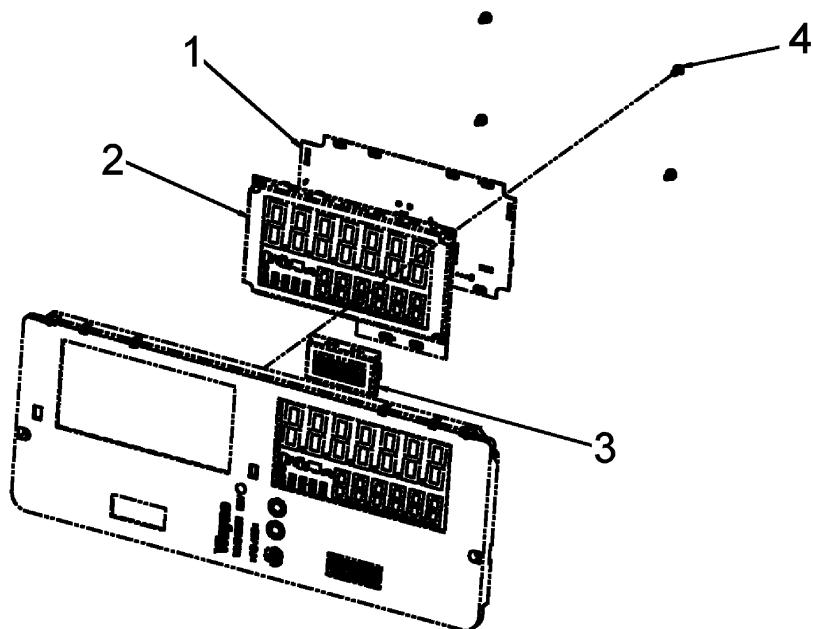
No.	Part Number	Description	Amount
	WM051625-0001	Display, module, complete S/V TN NEG	

No.	Part Number	Description	Amount
1	WU007562-0001	- Display board, main, cash/volume	1
2	WM040823-0002	- Display, module sales/volume	1
3	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	4

5.26.2 Sales/Volume display with single UPD

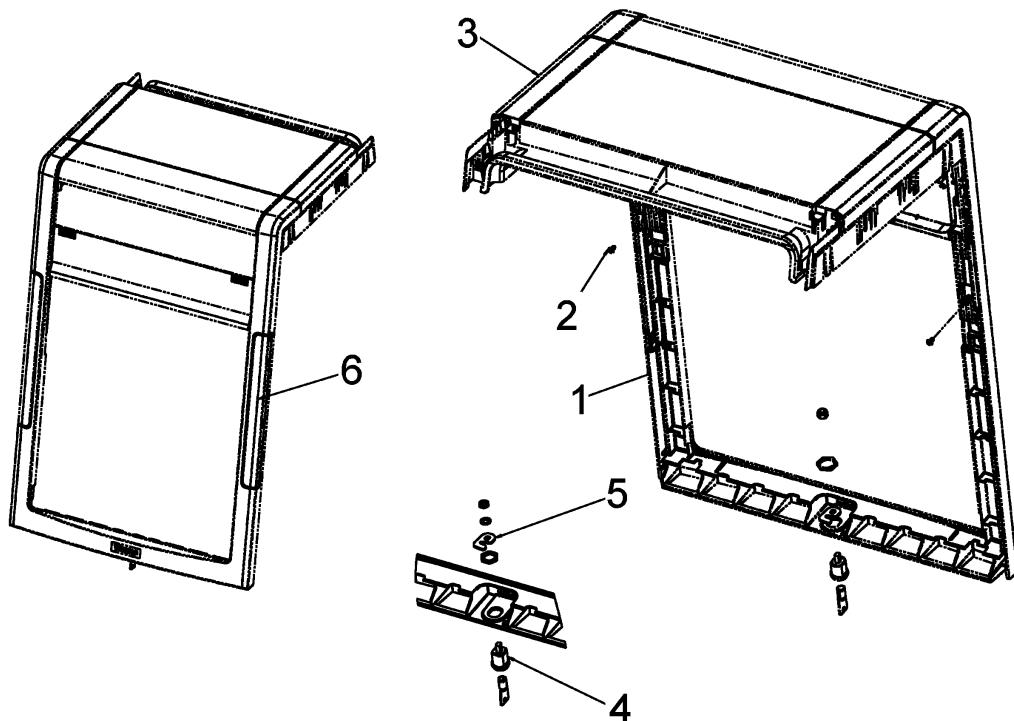


No.	Part Number	Description	Amount
1		Display board	
	WM050782-0001	- Programmed, Helix sales/volume control	1
	WU009332-0001	Module, jumper, authorization (Always needed together with WM050782-0001 , when UL!)	1
2	WM040823-0002	Display, module sales/volume	1
3	WM040824-0007	Display, module UPD 5x12.7mm single	1
4	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	4

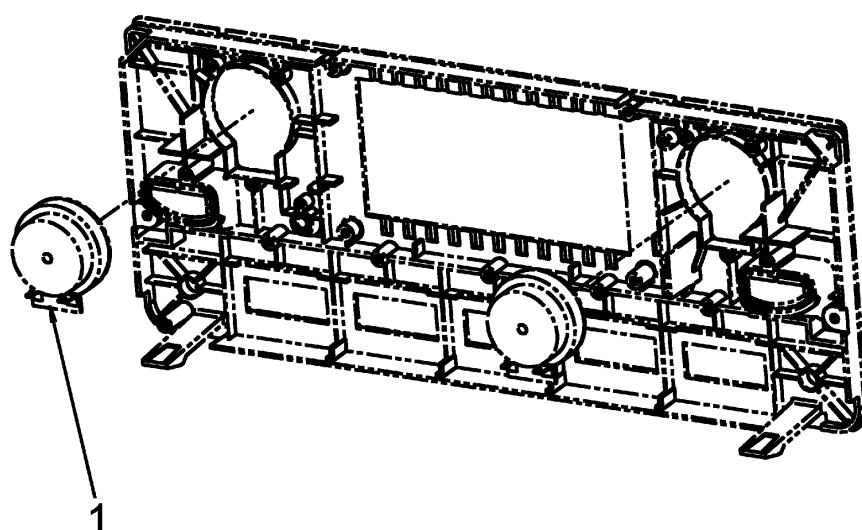
5.26.3 Sales/Volume display dual

No.	Part Number	Description	Amount
1	WM050782-0001	Display board dual	2
2	WM040823-0002	Display, module sales/volume	2
3	WM040824-0007	Display, module UPD 5x12.7mm single	2
4	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	8

5.27 U-frame and decor

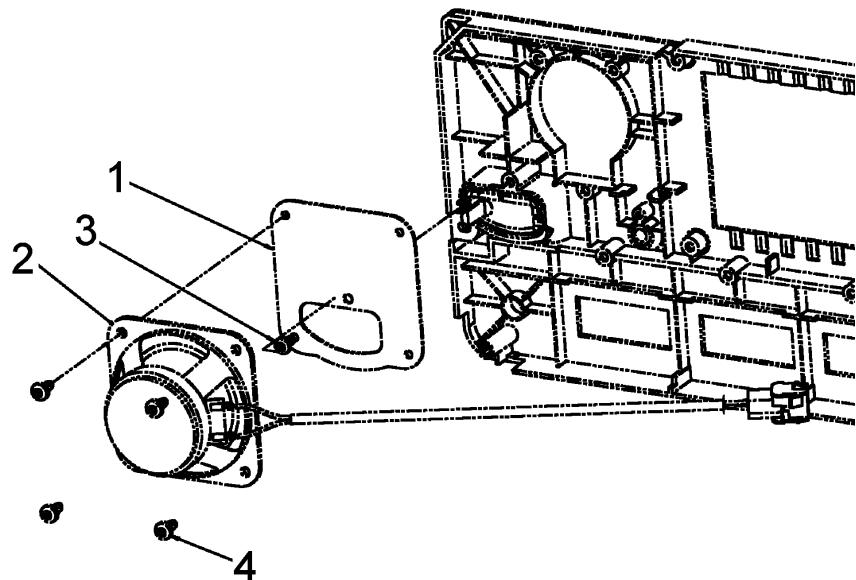


No.	Part Number	Description	Amount
1		Frame, U-shaped	
	WM046993-A040	- Decor, no cover	1
	WM046991-A040	- Decore	1
2	WM046887	Taptite screw, Torx, countersunk head, M4x8	2
3	WM046995-A040	Frame top decor, silver	2
4		Lock	
	WM026155-0001	- Individually keyed	1
	WU007624-0001	- Without latch, DHW1 key code	1
	WM008096	Key to DHW1 standard lock	1
5	WM039598	Latch, flat, range=13mm	1
6	WM042405	Cover plate frame cover	0 or 2
-	see page 61	Top panel, EHPM top panel	

5.28 Speaker**5.28.1 Speaker, media**

No.	Part Number	Description	Amount
1		Speaker	
	WM045906-0001	- 4x with cable 2x0.5 l=800,400	1
	WM045903-0001	- 2x with cable 2x0.5 l=800 (UL)	2
	WM048866-0002	- 2x with cable 2x0.5 l=800 (IEC)	2

5.28.2 Speaker, intercom

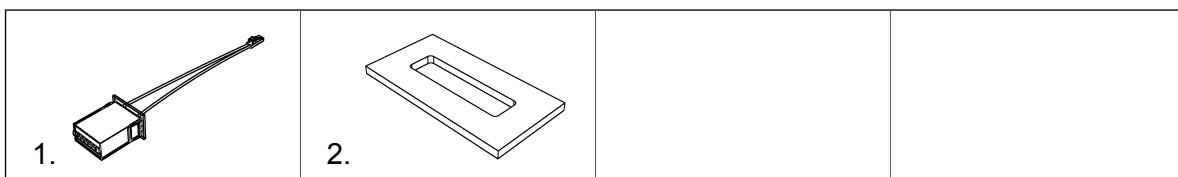


Cable, see page 347.

No.	Part Number	Description	Amount
1	WM039599	Support, flat, speaker mounting plate	2
2	WM030248	Intercom speaker	1
-		Gasket	
3	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	1
4	WM045308-0002	Taptite screw, Torx, pan head, M4x8	4

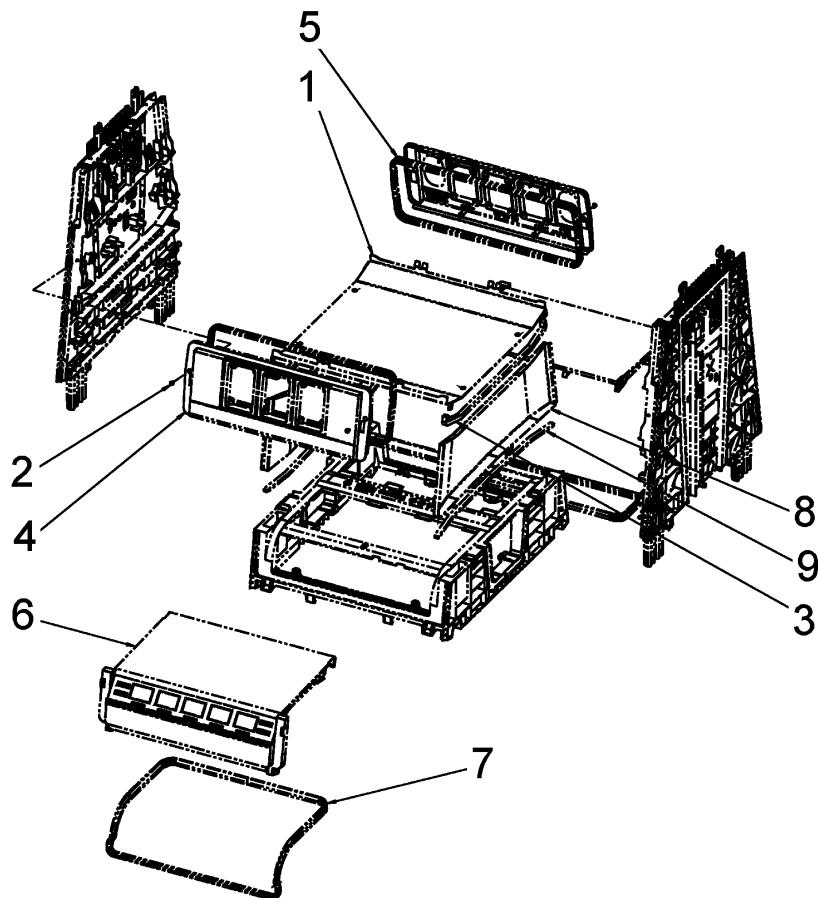
5.29 EMT

Cables, see page 335.



No.	Part Number	Description	Amount
1	WM042452-0002	Electromechanical totalizer with connector	1 - 4
2	WM050421	Gasket	1-4

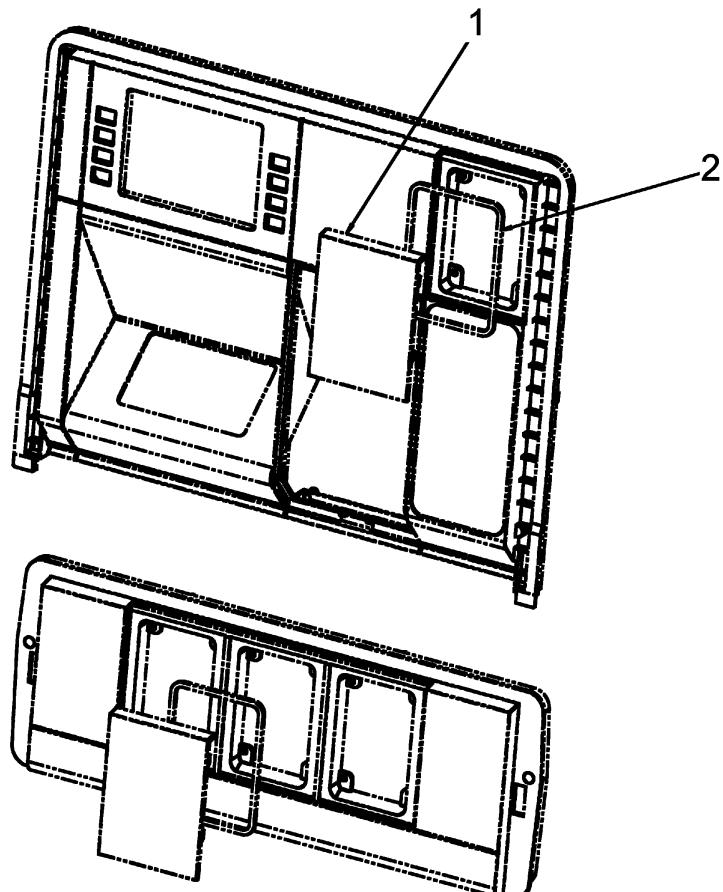
5.30 Non-PT config.



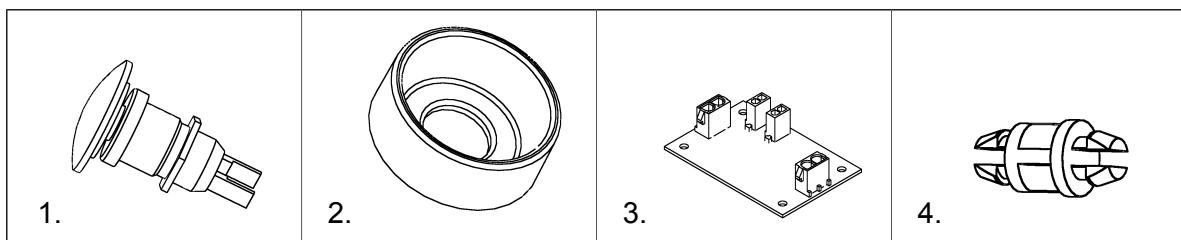
No.	Part Number	Description	Amount
1	WM046987-F105	Panel bottom decor, electronic head	1
2	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	2
3	WM046660	Gasket l=492, w=10	2
4	WM041921	Front panel with 3 insert areas	2
5	WM045016-0002	Gasket profile l=1224	2
6		Cover	
	WM052495-F105	- Blind panel lower enclosure	2
	WM052496-F105	- Bezel lower electronic enclosure with UPD and top cover	2
7	WM045016-0003	Gasket profile l=1465	2
8	WM046988-F105	Cover plate, side panel electronic head	2
9	WM046664	Gasket l=556, w=10	2

No.	Part Number	Description	Amount
-	see page 59	Support, flat EHPM interior side	
-	see page 59	Support, box shape, LEE top + dispensed gasket	

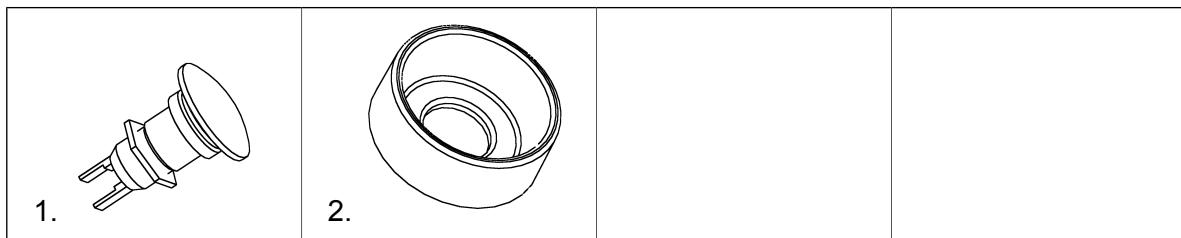
5.31 Blank panel



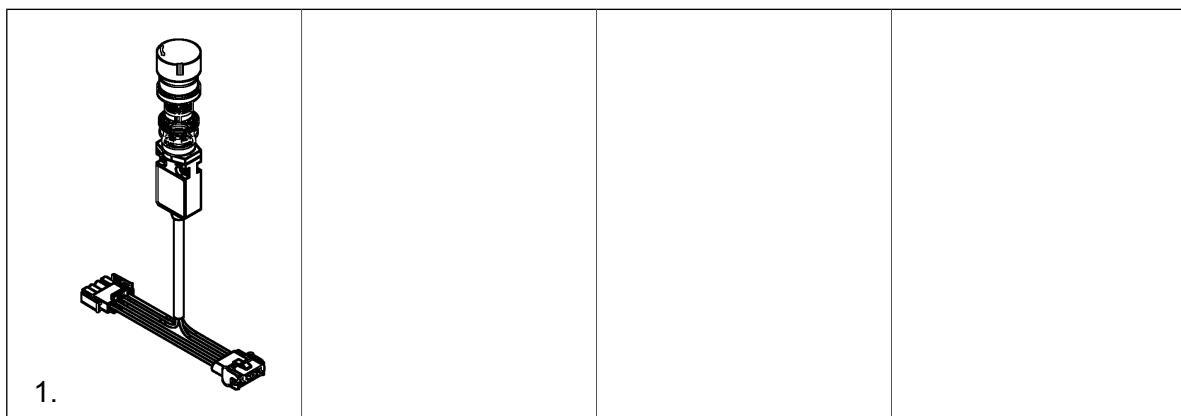
No.	Part Number	Description	Amount
1	WM039320-0002	Panel blank	0 - 3
2	WM045577	Gasket insert panel	0 - 3
-	see page 69	Front panel- Payment terminal	

5.32 Intercom call button

No.	Part Number	Description	Amount
1	WU007094-0001	Switch, call button, gray	1
2	WM049230	Cover push button	1
3	WU010943-0001	Call button board	1
4	WU000627-0002	Standoff	4

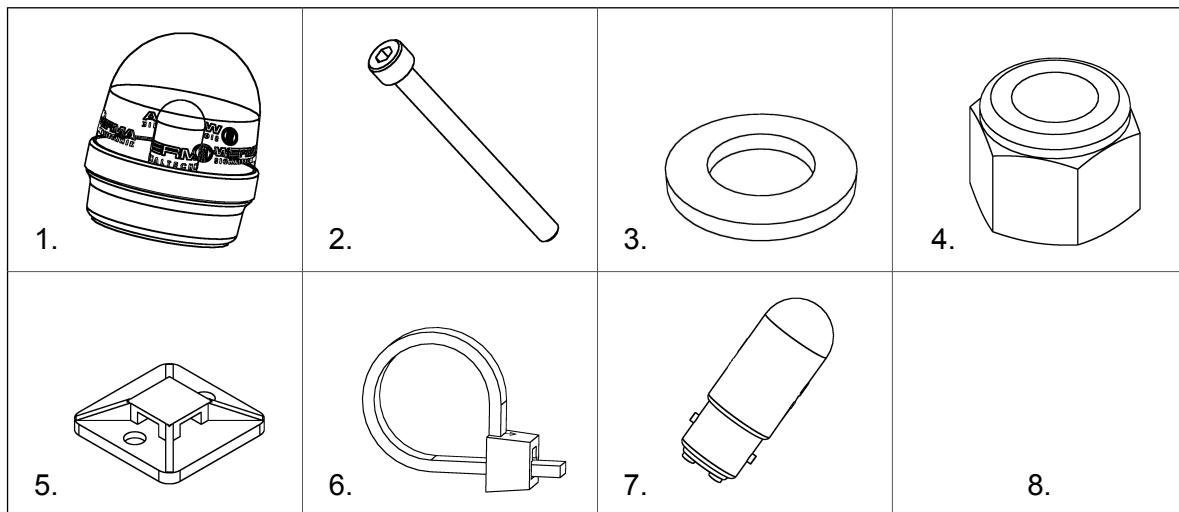
5.33 Stop switch

No.	Part Number	Description	Amount
1	WU007094-0002	Switch, button, normally closed, red	1
2	WM049230	Cover push button	1

5.34 Emergency stop button

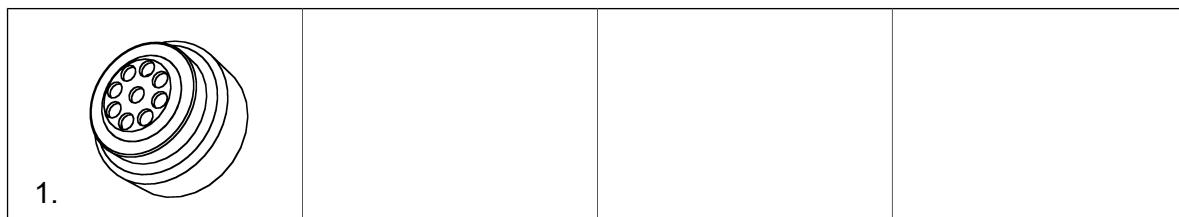
No.	Part Number	Description	Amount
1	WM050354	Emergency stop button	1

5.35 Indicator lamp



No.	Part Number	Description	Amount
1		Indicator lamp, red with gasket	
	WM050241-0001	- Red	
	WM050241-0002	- Green	
	WM050241-0003	- White	
2	WB000209-0008	Screw, hexagon socket cap, M4x14	2
3	WB000232-0002	Washer, plain, M4 ID=4.3, OD=9, T=0.8	2
4	WB000229-0002	Lock nut, M4	2
5	WB000595	Cable tie, mounting base	3
6	WB000337-0001	Cable tie, w=2.5, l=100	
7	WM050246	Lamp 5W	

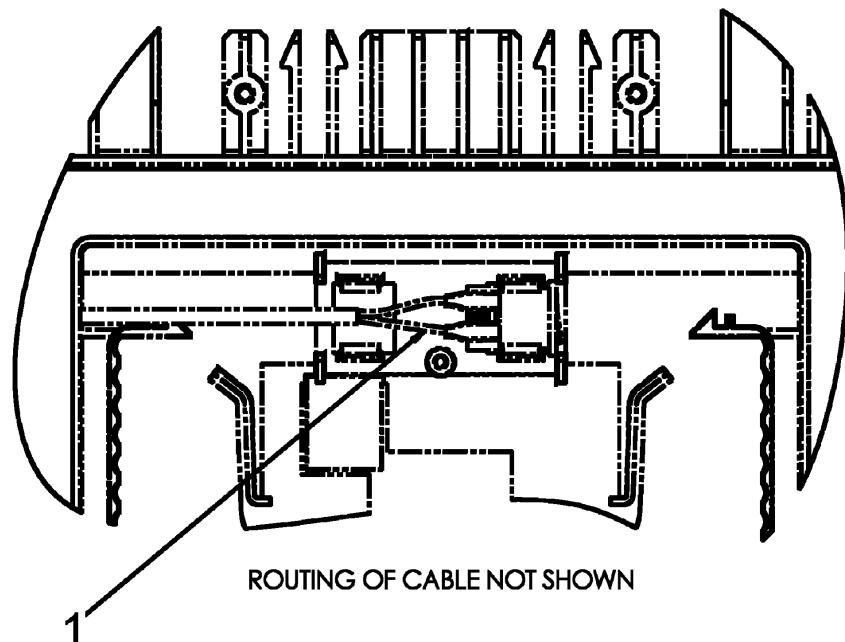
5.36 Announcer/buzzer/beeper for PT



Cables, see page 331.

No.	Part Number	Description	Amount
1		Buzzer, beeper, announciator	
	WU000638-0001	- UL	1
	WM020649-0002	- IEC	1

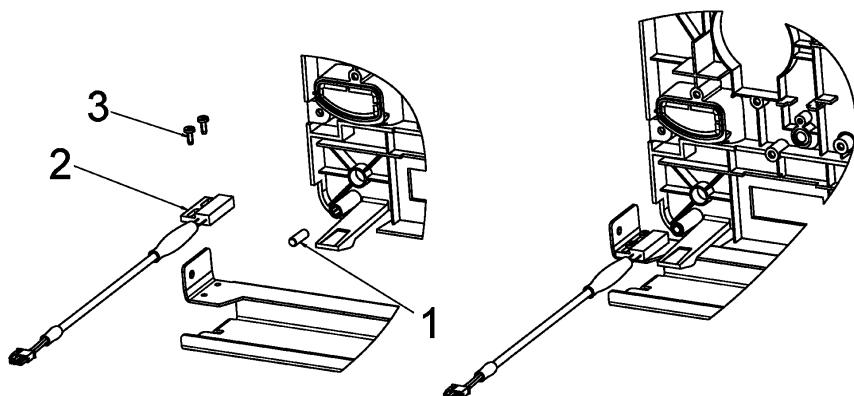
5.37 On/off switch



No.	Part Number	Description	Amount
1		On/off switch	
	WM045769-0001	- Cable 2x0.75, UL	1
	WM042316-0001	- Cable 4x0.75, IEC	1

5.38 Security switch

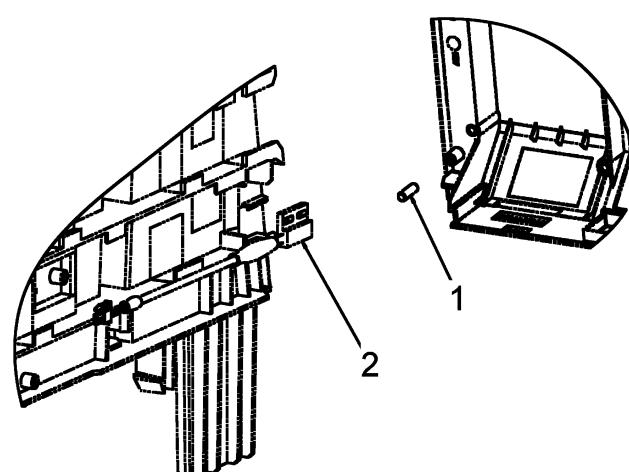
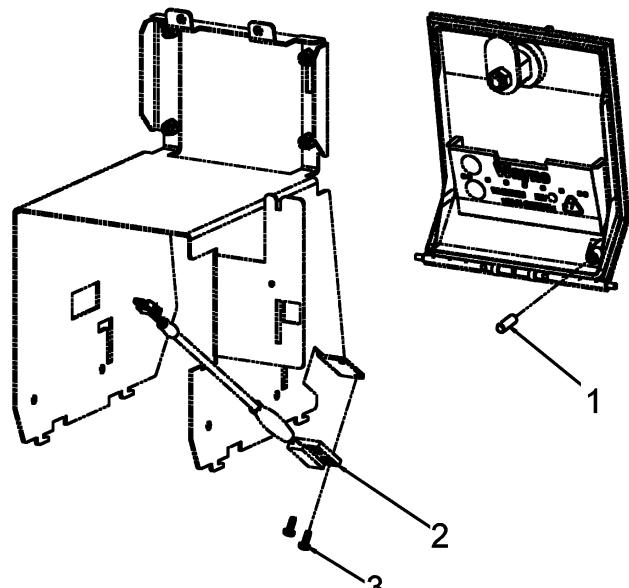
5.38.1 Security switch - std



No.	Part Number	Description	Amount
1	WM001626	Magnet	1
2	WM045692-0001	Security switch, magnetic reed 2-wire normally close cable l=1300	1

No.	Part Number	Description	Amount
3	WB000663-0001	Taptite screw, cross recessed, pan head, M3x6	2
-	see page 84	Support, L-shape, card reader	

5.38.2 Security switch - PT



No.	Part Number	Description	Amount
1	WM001626	Magnet pin	2
	WM021382	Magnet for Security switch, D=14, H=3, Used when 10,4" and payment	2
2	WM045692-0001	Security switch, magnetic reed 2-wire normally close cable l=1300	2

No.	Part Number	Description	Amount
3	WB000663-0001	Taptite screw, cross recessed, pan head, M3x6	2
-	see page 84	Support, L-shape, card reader	

5.38.3 Security switches non-payment w/ 10,4" Media

No.	Part Number	Description	Amount
1	WM021382	Magnet, D=14, H=3	1
2	WM023586-0001	Switch, magnetic reed 2-wire normally open L=400	1
3	WM001626	Switch, magnetic reed 2-wire normally open L=1500	1
4	WM023586-0002	Magnet, pin	1
5	WM058763-0001	Cable multi, 3PC 1x0.5 BK L=300	1
6	WM056742-0001	Cable multi, 6x0.5 BK L=200, 300	2

5.38.4 Security switches non-payment w/o 10,4" Media

No.	Part Number	Description	Amount
1	WM001626	Magnet, pin	
2	WU009121-0001	Security switch, sensor, magnetic, no, dual Helix Gull Wing	
3	WM044451-0001	Expansion board, RS485	
4	WM058763-0001	Cable multi, 3PC 1x0.5 BK L=300	
5	WM056742-0001	Cable multi, 6x0.5 BK L=200, 300	

5.38.5 Security switches payment w/ 5,7" Media

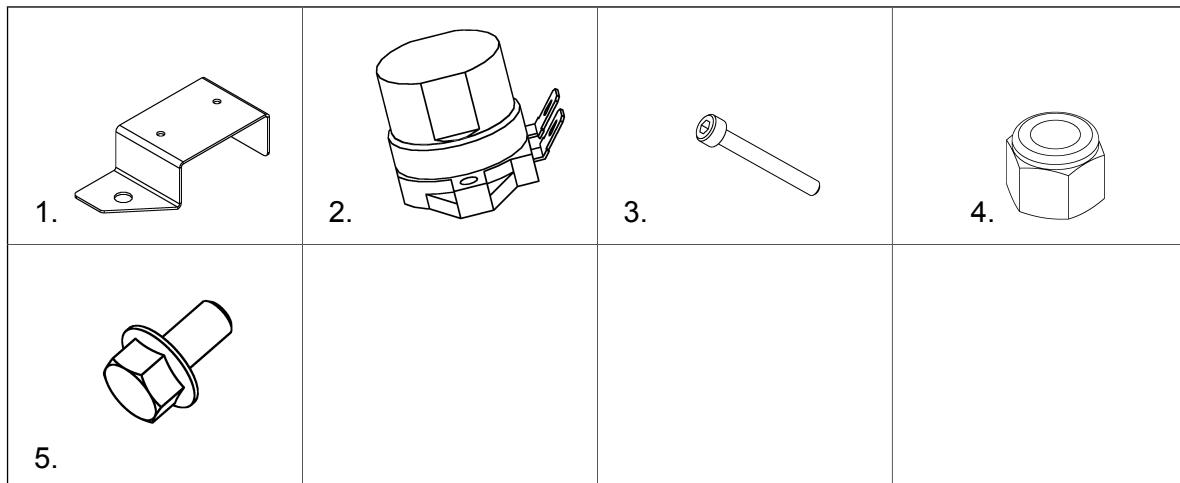
No.	Part Number	Description	Amount
1	WM057277	Magnet, pin	
2	WM030629-0004	Active switch, switch security L=3000	
3	WM023586-0001	Passive Switch, magnetic reed 2-wire normally open L=400	
4	WM030629-0005	Active switch, switch security L=1500	
5	WM058763-0001	Cable multi, 3PC 1x0.5 BK L=300	
6	WM056742-0001	Cable multi, 6x0.5 BK L=200, 300	

5.38.6 Security switches payment w/ 10,4" Media

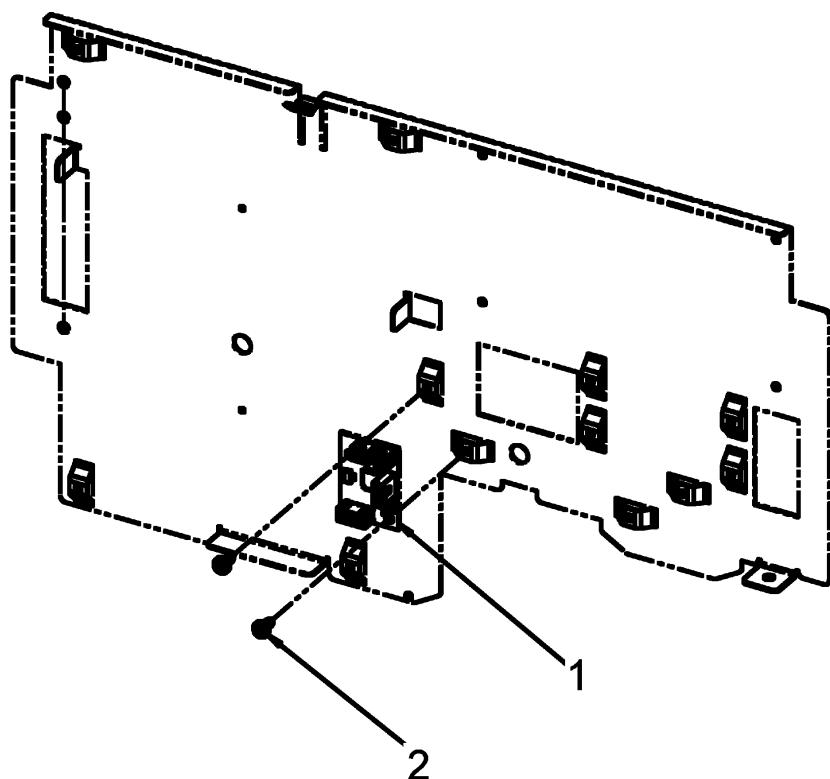
No.	Part Number	Description	Amount
1	WM057277	Magnet, pin	
2	WM021382	Magnet, D=14, H=3	
3	WM030629-0001	Active switch, switch security L=400	
4	WM023586-0004	Passive switch, magnetic reed 2-wire normally open L=2000	
5	WM030629-0003	Active switch, switch security L=1500	
6	WM058763-0001	Cable multi, 3PC 1x0.5 BK L=300	
7	WM056742-0001	Cable multi, 6x0.5 BK L=200, 300	

5.39 Tilt switch

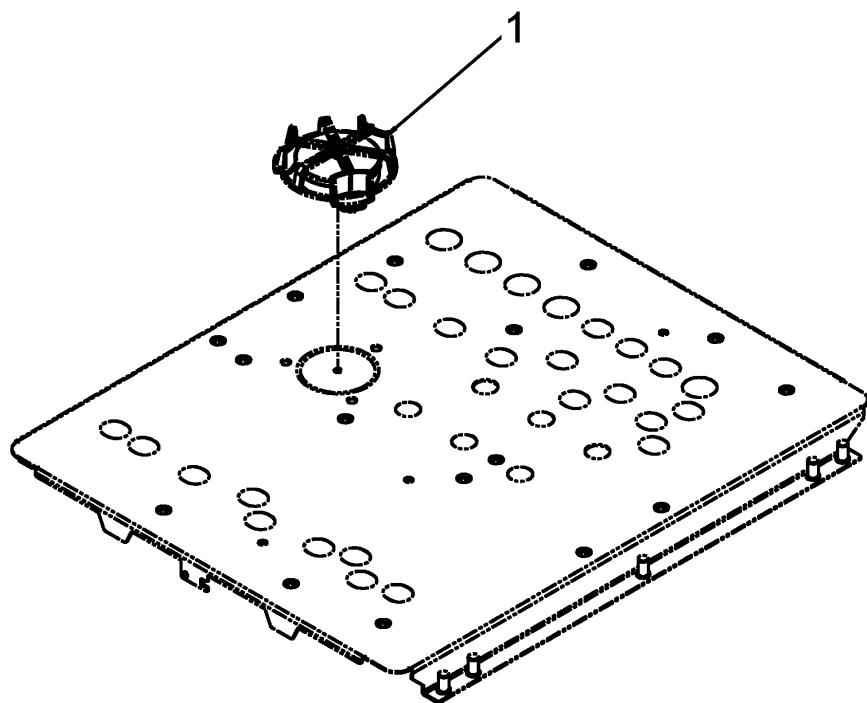
Cables, see page 351.



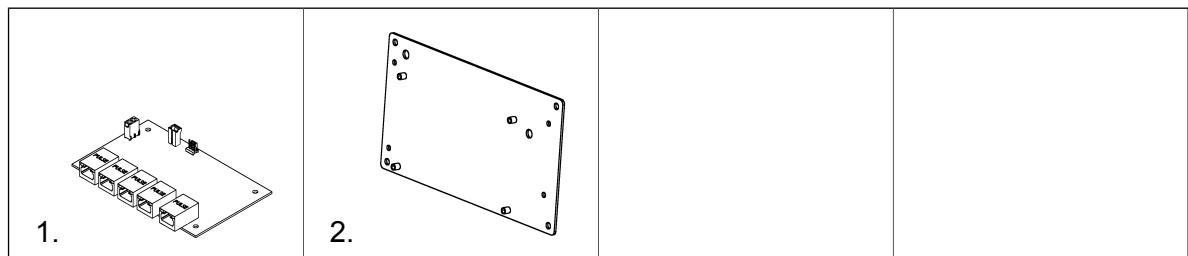
No.	Part Number	Description	Amount
1	WM056622	Support U-shape, tilt switch	1
2	WM032909	Switch vibration detection switch (Tilt switch)	1
3	WB000334-0003	Screw, hexagon socket cap, M3x12	2
4	WB000229-0001	Lock nut, M3	2
5	WM019873-0001	Screw, hex head, M6x12, with flange	1

5.40 Nozzle converter board

No.	Part Number	Description	Amount
1	WU004202	Board nozzle switch converter	1
2	WM045308-0002	Taptite screw, Torx, pan head, M4x8	2
-	see page 60	Support, U-shape, EH base plate	

5.41 Float

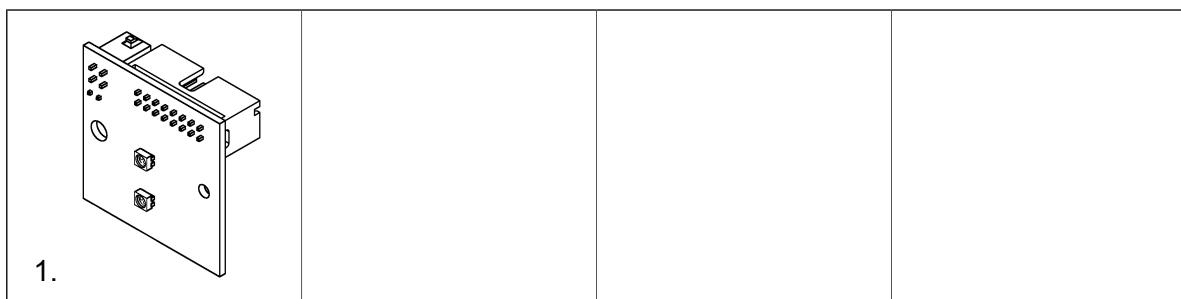
No.	Part Number	Description	Amount
1	WM046046	Float	1
-	see page 208	Support, box shape LEE bottom	

5.42 Ethernet switch

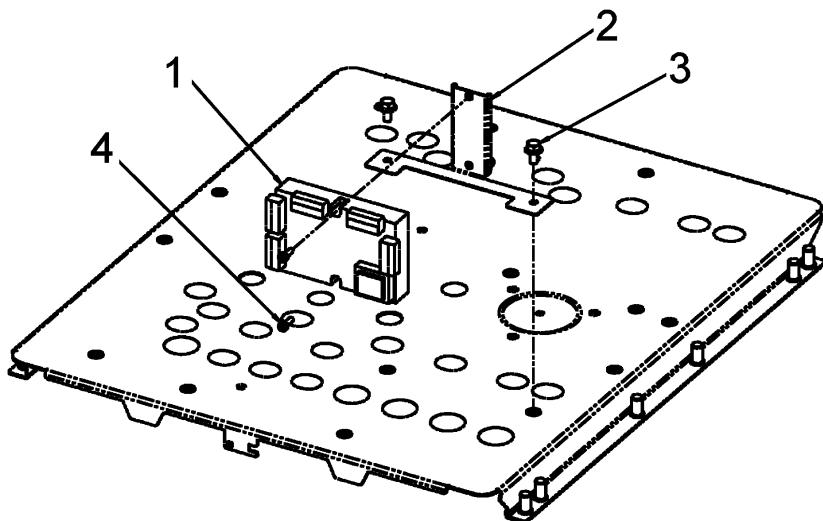
No.	Part Number	Description	Amount
1	WU007300-0001	Ethernet switch, 5 port	1
2	WM048515	Support, flat	1

5.43 LED-Com

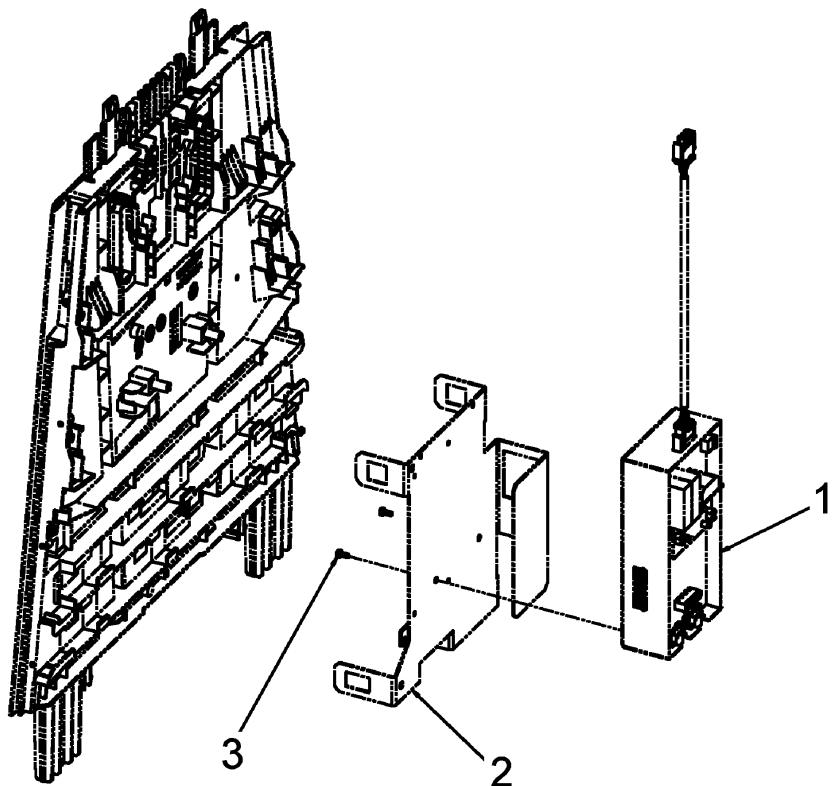
Cables, see page 340.



No.	Part Number	Description	Amount
1	WM048942-0001	LED-Com board	1

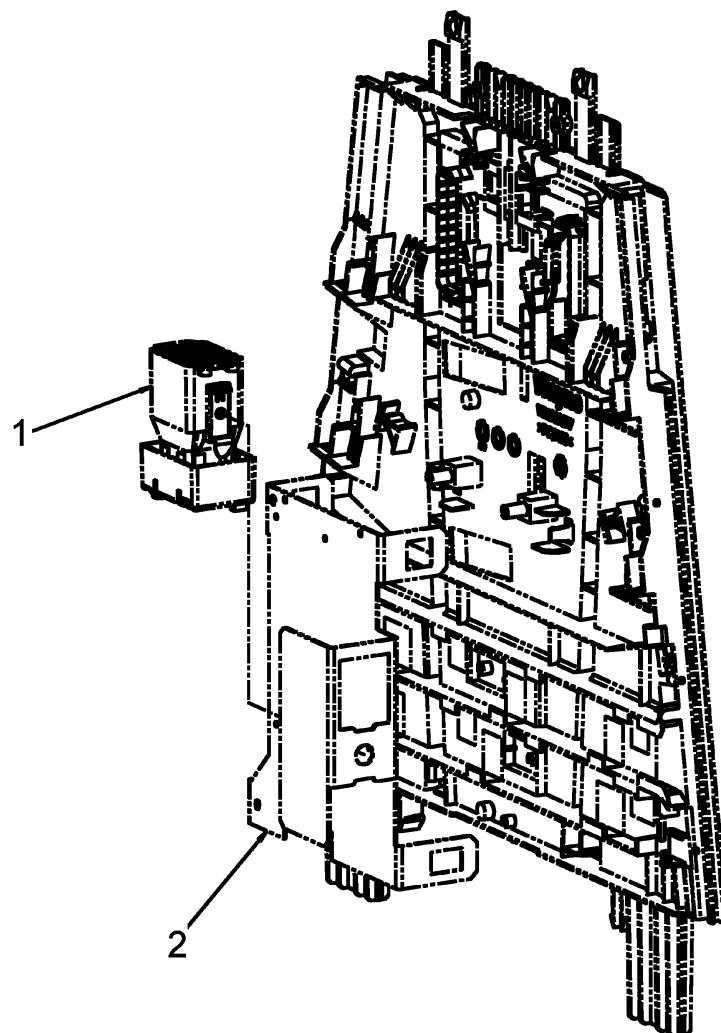
5.44 Healy

No.	Part Number	Description	Amount
1	WU007080	Board Healy MC-100 module	1
2	WM042602	Support, L-shape Healy	1
3	WM019873-0001	Screw, hex head, M6x12, with flange	2
4	WB000209-0009	Screw, hexagon socket CAP, M4x12	2
-	see page 208	Support, box shape LEE bottom	

5.45 PCN box

No.	Part Number	Description	Amount
1	WU004898-0001	Switch Wayne connect in-dispenser module	
2	WM042298	Sheet metal support	1
3	WM039822-0001	Screw, pan hd cross, 6-32 x .375 w/ext tooth lock washer	2

5.46 Heater/fan

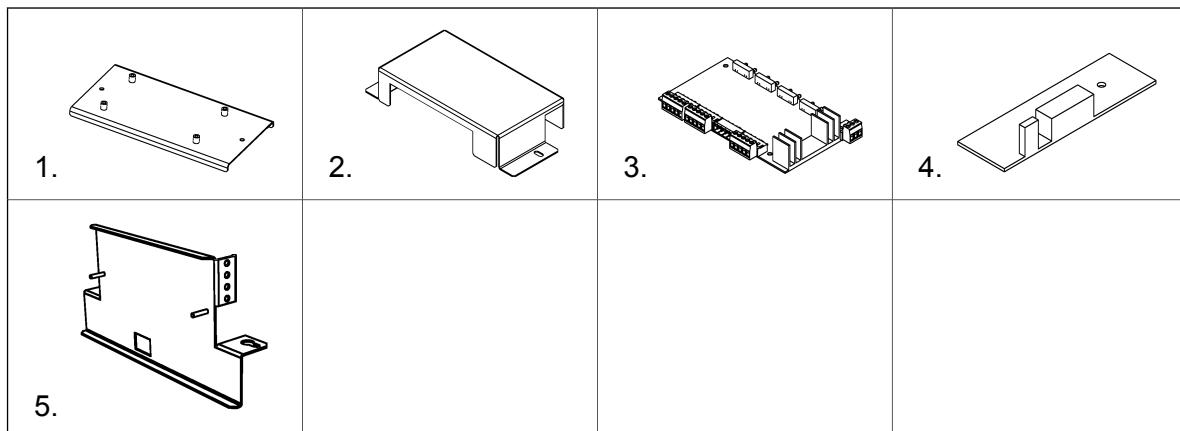


Cables, see page 336.

No.	Part Number	Description	Amount
1		Heating element with electronic thermostat 290W	
	WM044405-0001	- 100-120VAC, 24V	1
	WM044405-0002	- 220-240VAC, 24V	1
2	WM042298	Support, U-shape components center	1
-	see page 59	Support, flat EHPM interior side	

5.47 MUX (multiplexor)

Cables, see page 341.

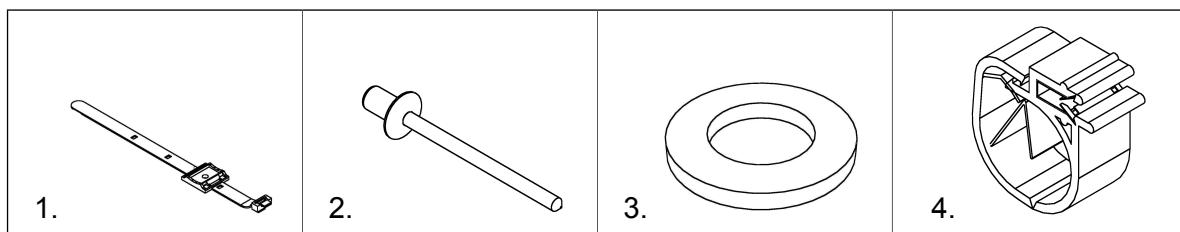


No.	Part Number	Description	Amount
1	WR001731	Support, U-shape, MUX support	1
2	WR001733	Support, U-shape, MUX cover	1
3	WR001735	Multiplex communication board	1
4	WR001736	Current loop board for MUX	1
5	WM055927	Support, L-shape module, MUX	1

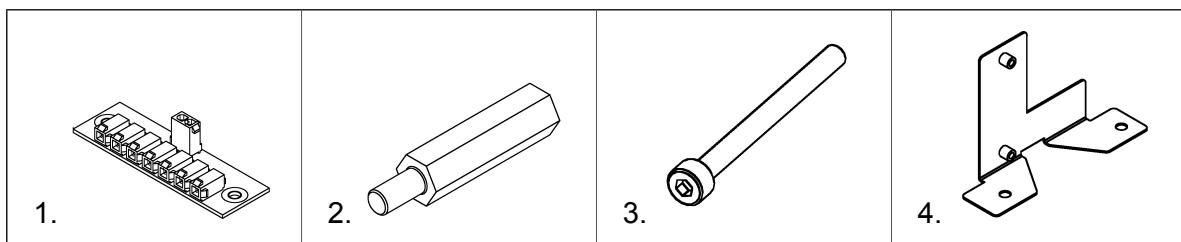
5.48 Cable harness

Cable harness, see page 333.

5.48.1 Assembly PT bezel

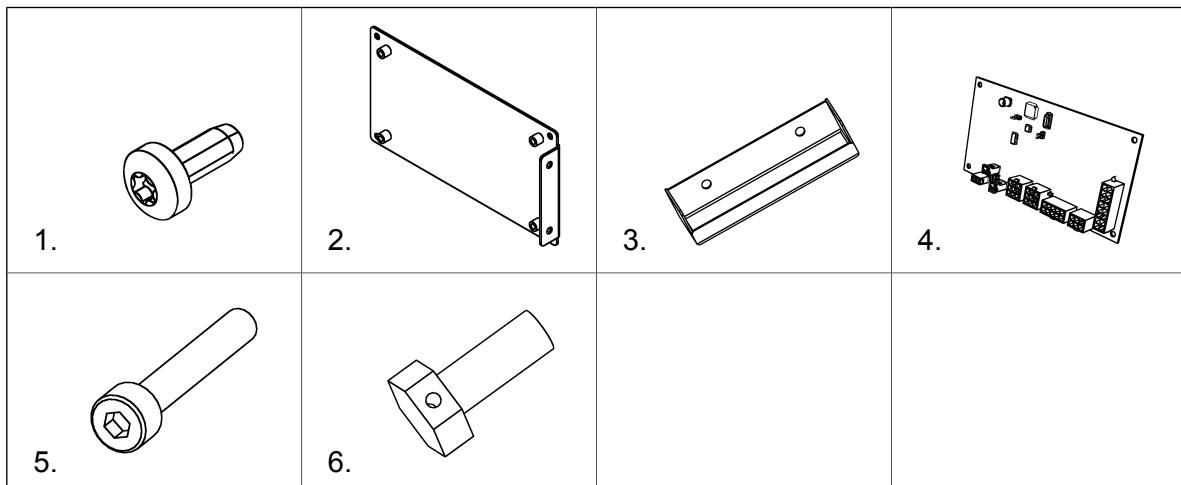


No.	Part Number	Description	Amount
1	WU008226-0001	Clamp cable, 25.4mm dia. max, adhesive M4 (#6) mount	2
2	WM028446-0001	Pop rivet, dome head, 4.0 diameter x 7, grip range 0-3,2	2
3	WB000232-0002	Washer, plain, M4 id=4.3, od=9, t=0.8	2
4	WM031974	Plastic fastener EC27	2

5.49 Switchable motor

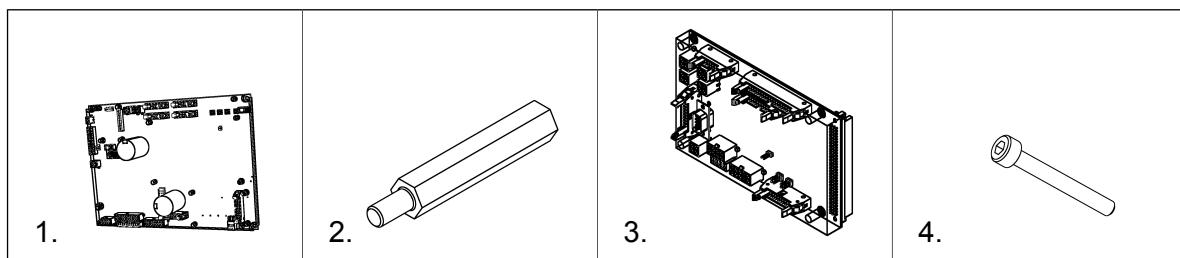
Cables, see page 348.

No.	Part Number	Description	Amount
1	WM055471	Board, connection, switchable motor 230/400V	1
2	WB000376-0001	Spacer, blind M4x12, male/female hexagonal	2
3	WB000209-0009	Screw, hexagon socket cap, M4x12	2
4	WM059327	Support, L-shape switchable motor	1

5.50 High speed board

No.	Part Number	Description	Amount
1	WM045308-0002	Taptite screw, Torx, pan head, M4x8	4
2	WM053554	Support flat, adapter for high speed	1
3	WM053659	Support U-shape, switch cover	1
4	WU010435-0003	Board, pulse processing module, modified	1
5	WB000209-0001	Screw, hexagon socket cap, M4x10	4
6	WU010612-0001	Seal screw, hex head, M4	2

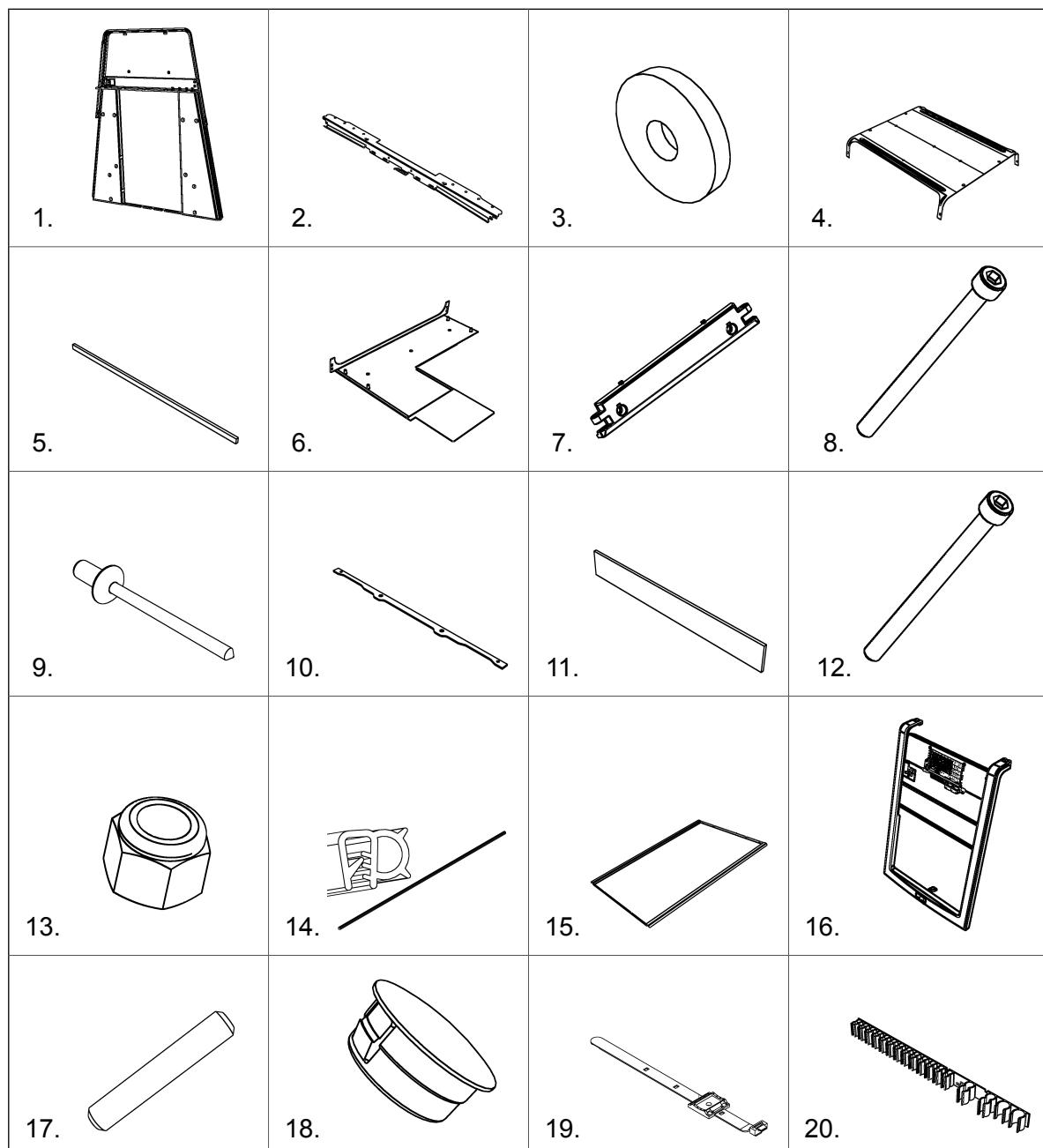
5.51 Expansion board (unique for Helix 6000 55-55)



No.	Part Number	Description	Amount
1		CPU board	
	WM001908-0003	- US	1
	WM001908-0005	- IEC full with CAN	1
2	WB000330-0004	Spacer, blind M3x7, male/female hexagonal	4
3	WM001904	Expansion board	1
4	WB000334-0001	Screw, hexagon socket cap, M3x6	4

6 Base head ("metallic head")

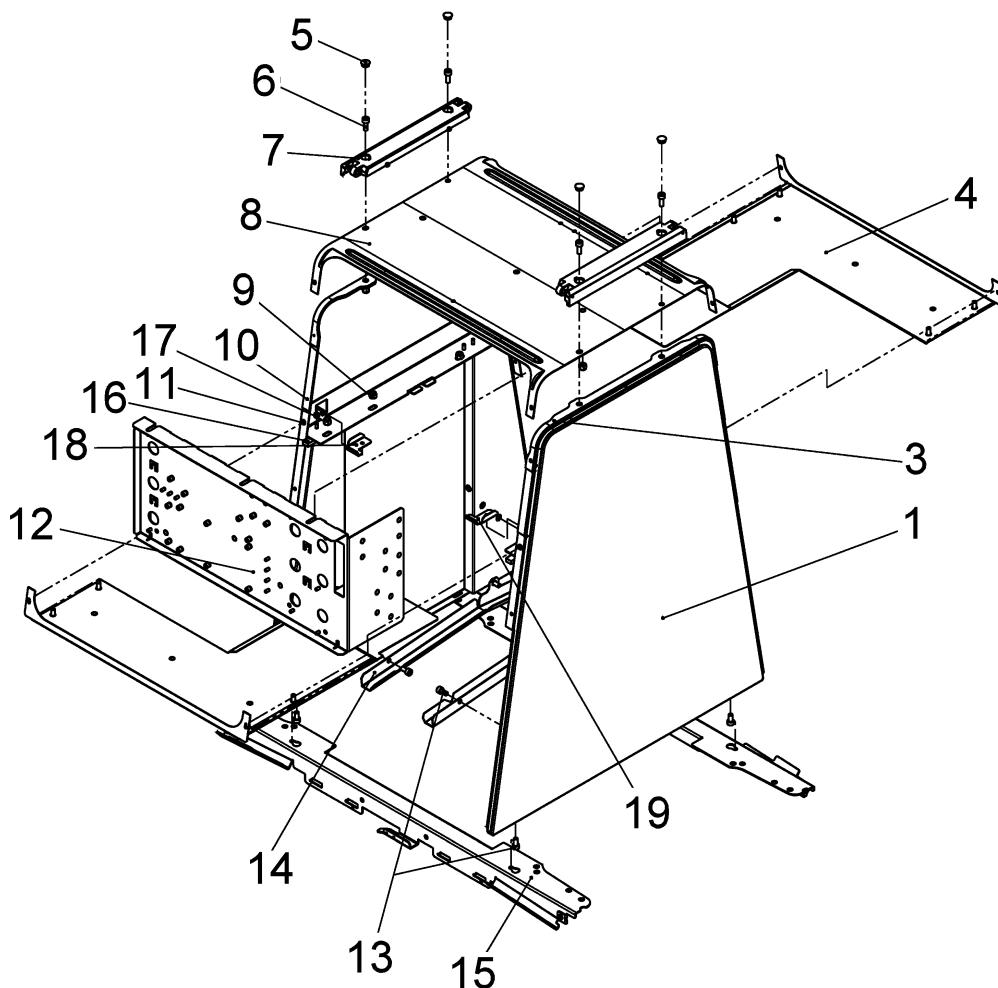
6.1 Base head exterior, Helix 2000



No.	Part Number	Description	Amount
1	WM058702-F105	Side panel, with cable channel and L-support, grey	2
2		Support L-shape, beam, hydraulic cabinet	
	WM057166-0001	- Wide (on picture)	2
	WM057166-0002	- Narrow	2

No.	Part Number	Description	Amount
3	WM059989	Washer plain, ID=6.3 OD=20 T=3	4
4	WM052638-F105	Deep drawn electronic head, grey	1
5	WM058618	Gasket, L=467, W=11.5, T=4	2
6	WM061452	Support L-Shape, bottom plate, grey	2
7	WM052636-A040	Raw casting, cover, silver	2
8	WB000211-0001	Screw, hexagon socket cap, M6x16	4
9	WT000398-0001	Pop rivet, dome head, 4.0 diameter x8, grip range 1.5-3.5 closed end	4
10	WM053225	Gasket L=492.5, H=22, W=3	2
11	WM058617-0001	Gasket, L=113.5, W=14.8, T=1.5	4
12	WB000211-0001	Screw, hexagon socket cap, M6x16	4
13	WB000229-0003	Lock nut, M6	4
14	WM053063-0003	Gasket, profile L = 1310 mm	2
15	WM052637-F105	Support box-shape, roof, electronic head, grey	1
16	WR002108-0002	Assembly instruction bezel	2
17	WM051319	Pin Ø6x35	4
18	WM059018-0001	Plug dome, Ø11.9, dark grey	4
19	WU008226-0001	Clamp cable, 25.4mm dia. max, adhesive M4 (#6) mount	2
20	WM059504-0001	Cable clamp	2

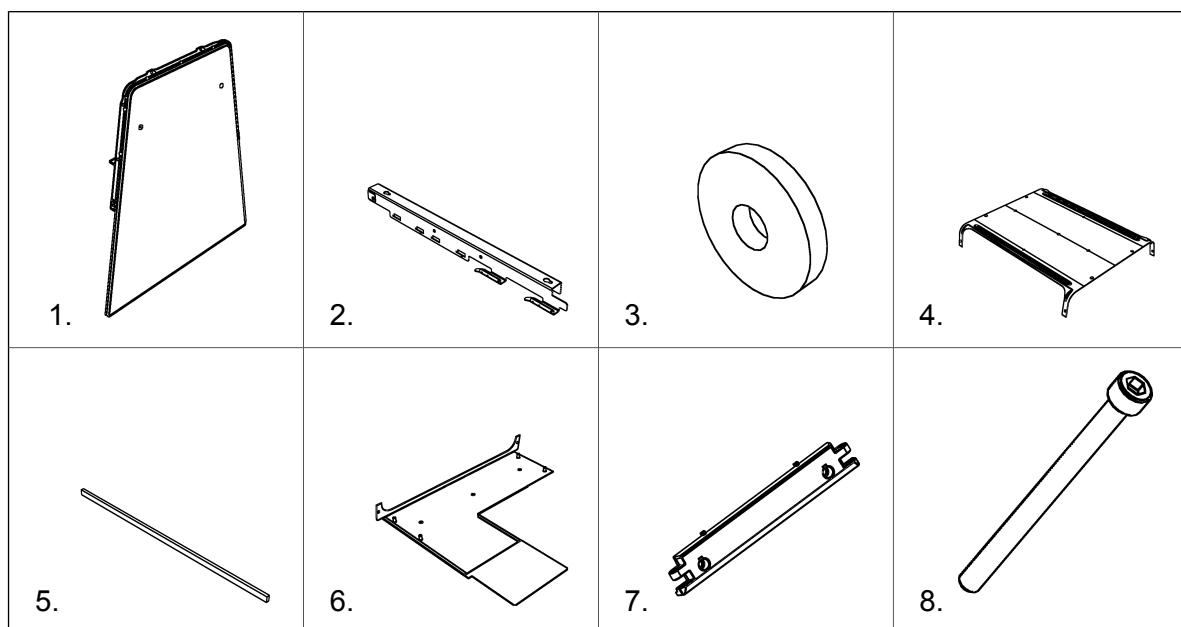
6.2 Base head exterior, Helix 4000 & Helix 5000



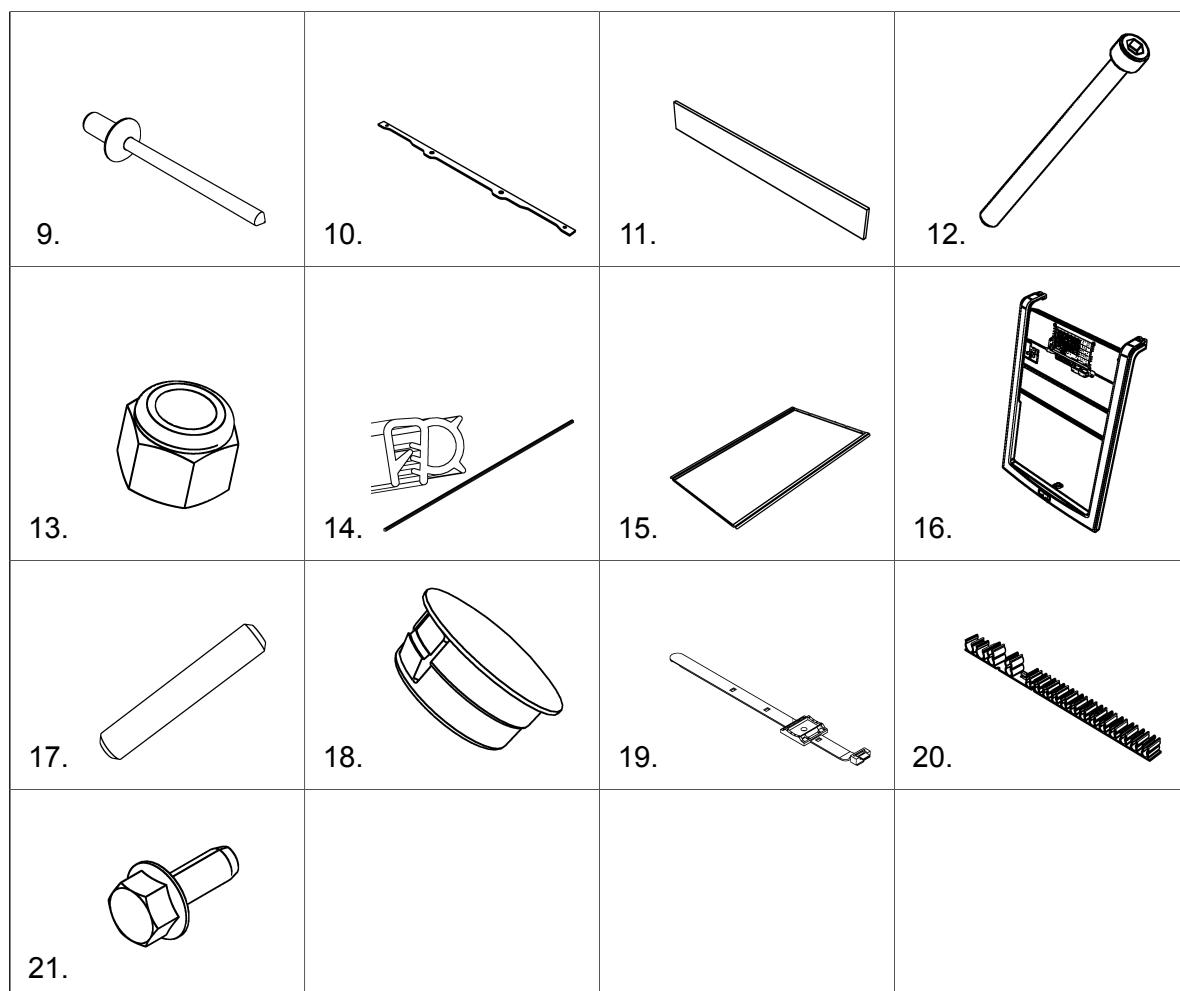
No.	Part Number	Description	Amount
1	WM058655-F105	Side panel, with cable channel and L-support, grey	2
2		Support L-shape, beam, hydraulic cabinet	
	WM057166-0001	- Wide	2
	WM057166-0002	- Narrow	2
3	WM059989	Washer plain, ID=6,3 OD=20 T=3	4
4	WM052638-F105	Deep drawn electronic head, grey	1
5	WM058618	Gasket, L=467, W=11.5, T=4	2
6	WM057168-F105	Support L-shape, bottom plate, grey	2
7	WM052636-A040	Raw casting, cover, silver	2
8	WB000211-0001	Screw, hexagon socket cap, M6x16	4

No.	Part Number	Description	Amount
9	WT000398-0001	Pop rivet, dome head, 4.0 diameterx8, grip range 1.5-3.5 closed end	4
10	WM053225	Gasket L=492.5, H=22, W=3	2
11	WM058617-0001	Gasket, L=113.5, W=14.8, T=1.5	4
12	WB000211-0001	Screw, hexagon socket cap, M6x16	4
13	WB000229-0003	Lock nut, M6	4
14	WM053063-0003	Gasket, profile L = 1310 mm	2
15	WM052637-F105	Support box-shape, roof, electronic head, grey	1
16	WR002108-0002	Assembly instruction bezel	2
17	WM051319	Pin Ø6x35	4
18	WM059018-0001	Plug dome, Ø11.9, dark grey	4
19	WU008226-0001	Clamp cable, 25.4mm dia. max, adhesive M4 (#6) mount	2
20	WM001061	Cable clamp	2

6.3 Base head exterior, Helix 6000



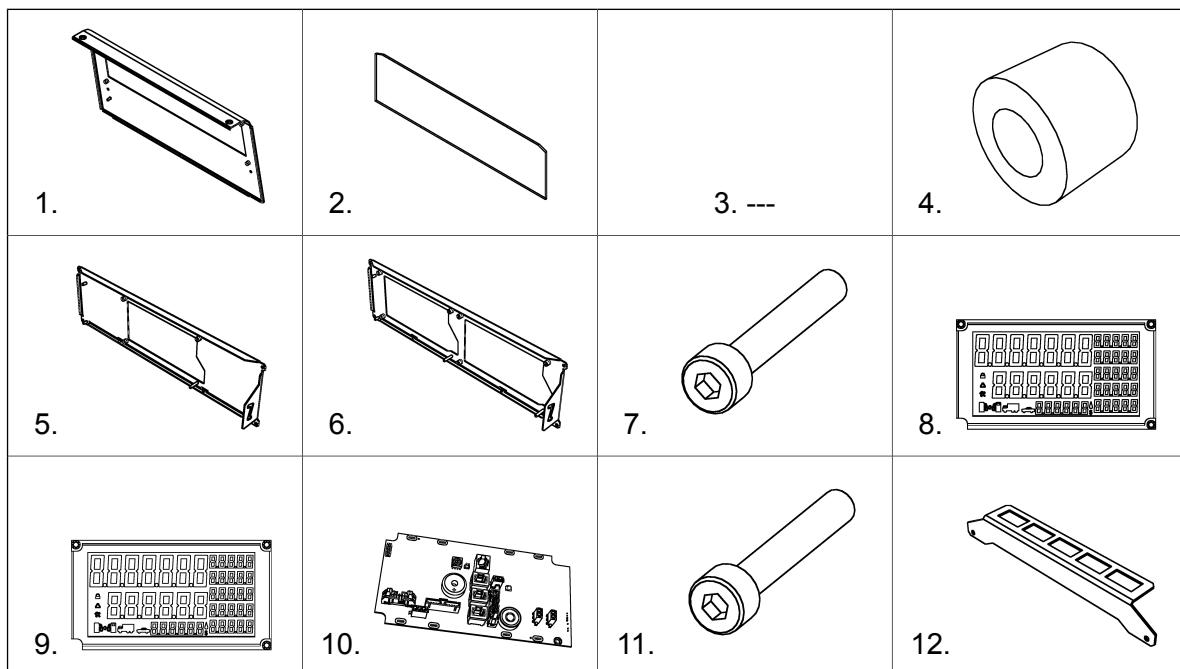
6 Base head ("metallic head")



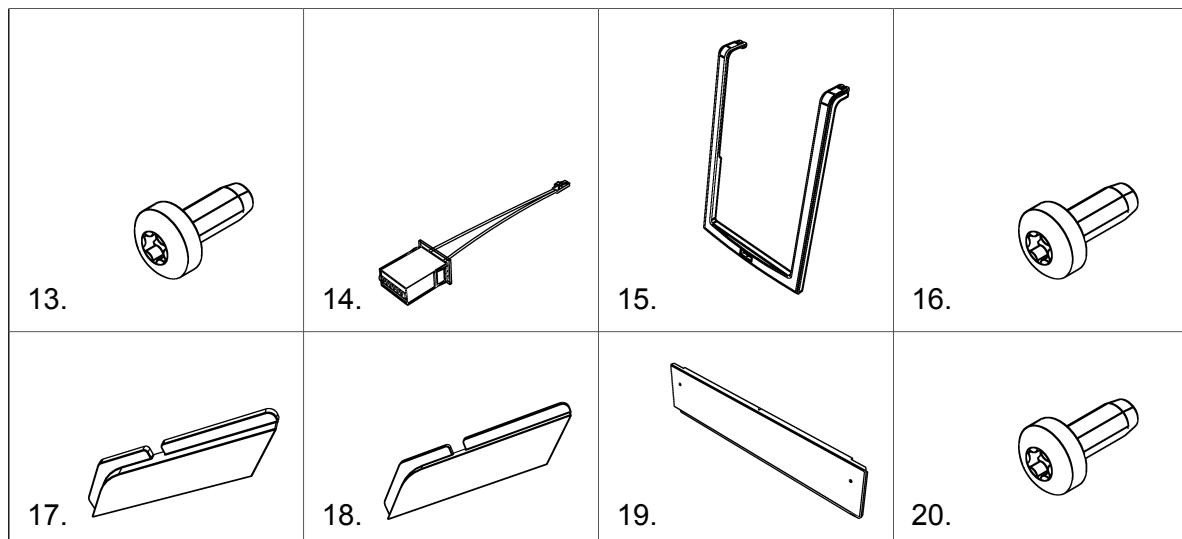
No.	Part Number	Description	Amount
1	WM058703-F105	Side panel, with cable chanel and L-support, grey	1
	WM058655-F105	Side panel, with cable chanel and L-support, grey	1
2	WM059536	Support L-shape, beam, hydralic cabinet, wide (on picture)	1
	WM059538	Support L-shape, beam, hydralic cabinet, wide	1
	WM057711	Support L-shape, beam, hydralic cabinet, narrow	2
3	WM059989	Washer plain, ID=6,3 OD=20 T=3	4
4	WM052638-F105	Deep drawn electronic head, grey	1
5	WM058618	Gasket, L=467, W=11.5, T=4	2
6	WM057168-F105	Support L-shape, bottom plate, grey	2

No.	Part Number	Description	Amount
7	WM052636-A040	Raw casting, cover, silver	2
8	WB000211-0001	Screw, hexagon socket cap, M6x16	4
9	WT000398-0001	Pop rivet, dome head, 4.0 diameter x 8, grip range 1.5 - 3.5 closed end	4
10	WM053225	Gasket L=492.5, H=22, W=3	2
11	WM058617-0001	Gasket, L=113.5, W=14.8, T=1.5	4
12	WB000211-0001	Screw, hexagon socket cap, M6x16	4
13	WB000229-0003	Lock nut, M6	4
14	WM053063-0003	Gasket, profile L = 1310 mm	2
15	WM052637-F105	Support box-shape, roof, electronic head, grey	1
16	WR002108-0002	Assembly instruction bezel	2
17	WM051319	Pin Ø6x35	4
18	WM059018-0001	Plug dome, Ø11.9, dark grey	4
19	WU008226-0001	Clamp cable, 25.4mm dia. max, adhesive M4 (#6) mount	2
20	WM001061	Cable clamp	2
21	WB000300-0003	Taptite screw, hexagon flange, M6x40	4

6.4 EH Bezel w/U-frame



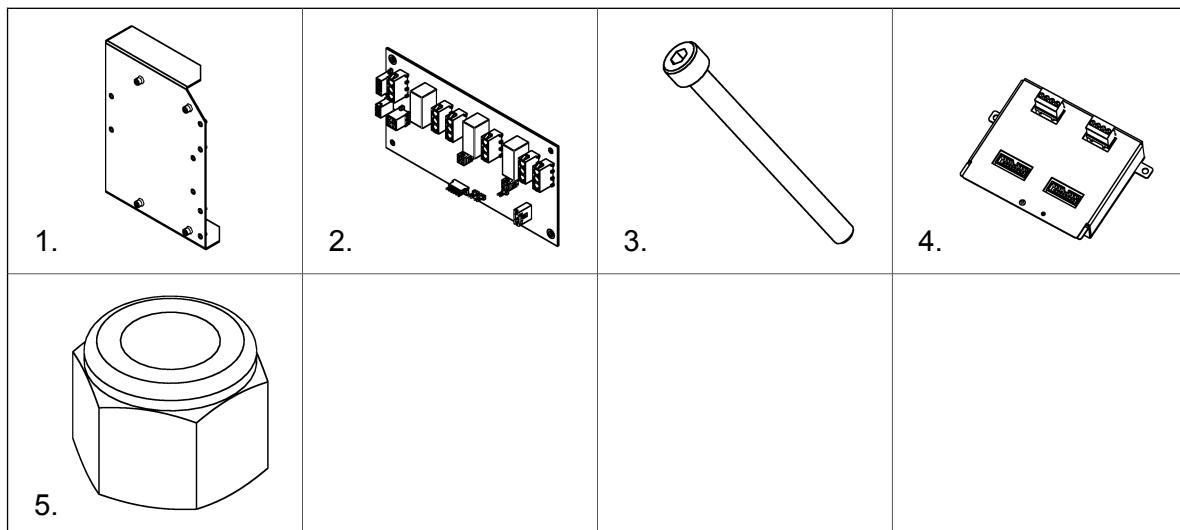
6 Base head ("metallic head")



No.	Part Number	Description	Amount
1	WM057185-F105	Bezel, display, grey	1
2	WM056947	Glass, 434x111, T=4	1
3		Adhesive	40ml
	WM053800	- Loctite 5607	
	WM051003	- Dow corning 3526	
	WM054487	- Dow corning 3636	
4	WB000291-0004	Spacer, ID=4.3, OD=8, L=12 Support box shape	4
5	WM056953	- Single display	1
6	WR002086	- Dual display	1
7	WB000209-0005	Screw, hexagon socket cap, M4x6	4
		Display, module sales/volume/5xUPD	
8	WM056449-0001	- Left	1
9	WM056449-0002	- Right	1
10	WU007562-0001	Display board, programmed, sales/volume	1-2
11	WB000209-0005	Screw, hexagon socket cap, M4x6	4-8
12	WR002144	Support, U-shape, EMT	1
13	WM045308-0002	Taptite screw, Torx, pan head, M4x8	2
14	WM042452-0002	Electromechanical totalizer, with connector (L=150)	1-5
15	WM058112-A040	Raw casting U-frame, silver	1

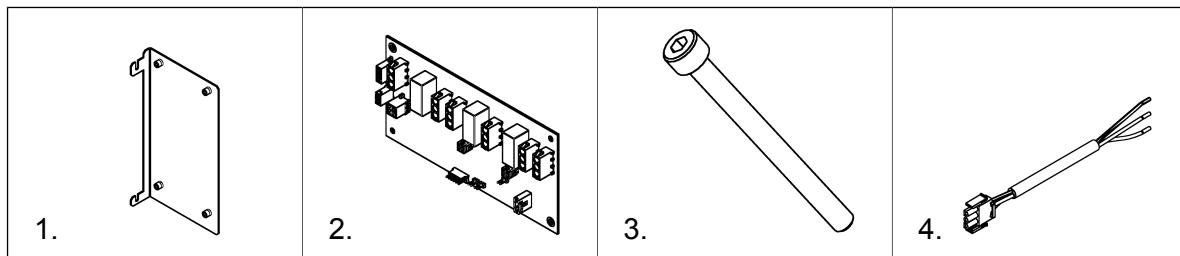
No.	Part Number	Description	Amount
16	WM045308-0002	Taptite screw, Torx, pan head, M4x8	4
17	WM058341-0001	Cover U-frame, right	1
18	WM058341-0002	Cover U-frame, left	1
19	WM057207-F105	Panel, branding plate, grey	1
20	WM045308-0002	Taptite screw, torx, pan head, M4x8	2

6.5 DEF with heater

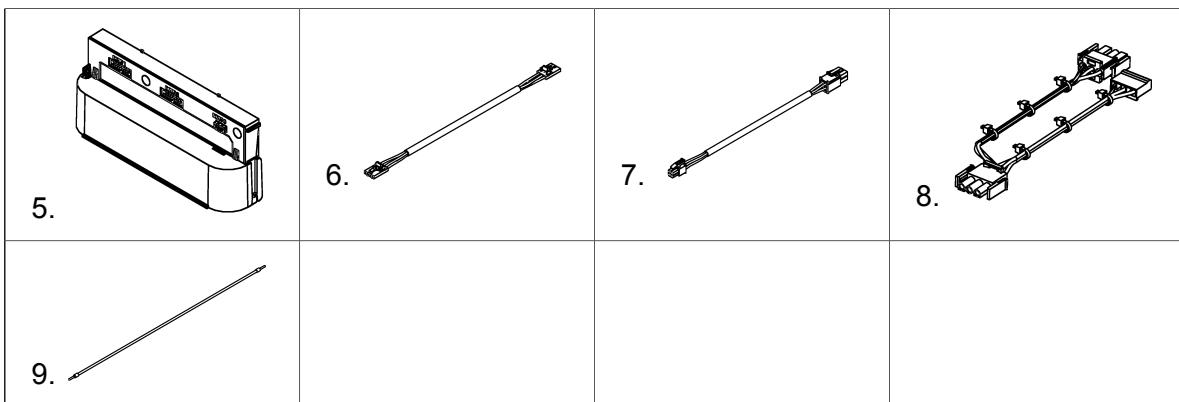


No.	Part Number	Description	Amount
1	WM060710	Support, U-shape, option, ISB & DEF	1
2	WU008323	Board, DEF heater control	1
3	WB000209-0005	Screw, hexagon socket CAP, M4x6	4
4	WM002450	Intrinsic safe barrier	1
5	WB000229-0002	Lock nut, M4	6

6.6 DEF (extra narrow)

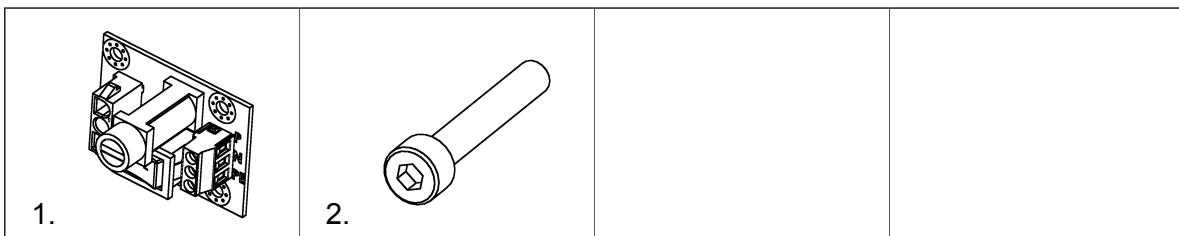


6 Base head ("metallic head")



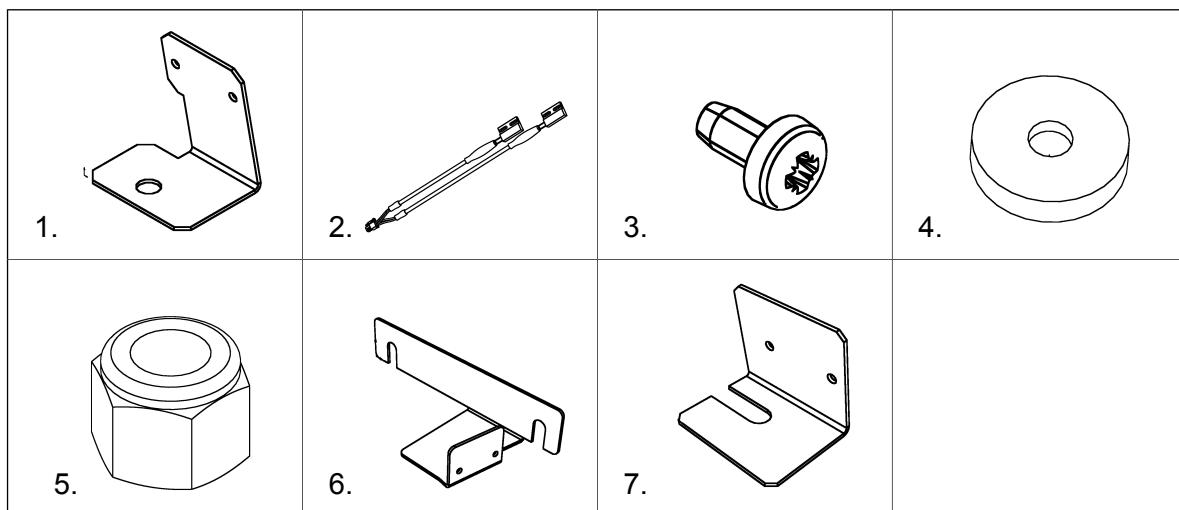
No.	Part Number	Description	Amount
1	WM057738-0001	Support L-shape, options	
2	WU008323	Board, DEF Heater Control	
3	WB000209-0005	Screw, hexagon socket cap, M4x6	4
4	WM031194-0002	Cable high voltage, 3G1.5 zone l=1600	
5	WM046690-0001	Module ISB, three channel, ATEX	
6	WM048858-0001	Cable, 4x0.34 L=1100	
7	WM048859-0001	Cable, 4x0.34 L=400	
8	WM059847-0001	Cable multi, 1x0.75 bu, 1x0.75 bn, 1x0.75 gn/ye L1=300, L2=300	
9	WM052730-0001	Cable single wire 1x1.5 bk L=100	

6.7 UPS



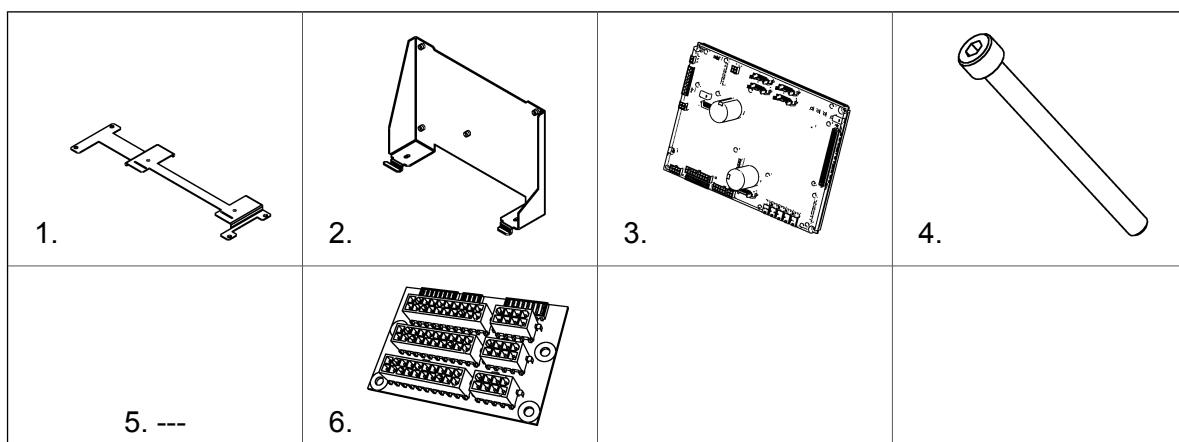
No.	Part Number	Description	Amount
1	WM057696-0001	Board UPS	1
2	WB000209-0005	Screw, hexagon socket cap	

6.8 Security Switch



No.	Part Number	Description	Amount
1	WM059427	Support	2
2	WU009121-0001	Security switch, sensor, magnetic, no, dual Helix gull wing	1
3	WB000663-0001	Taptite screw, cross recessed, pan head, M3X6	4
4	WM021382	Magnet, D=14, H=3	2
5	WB000229-0002	Lock nut, M4	2
6	WM061486	Support security switch, media	
7	WM061496	Support security switch, medium glass	

6.9 4 users (2nd iGEM board)

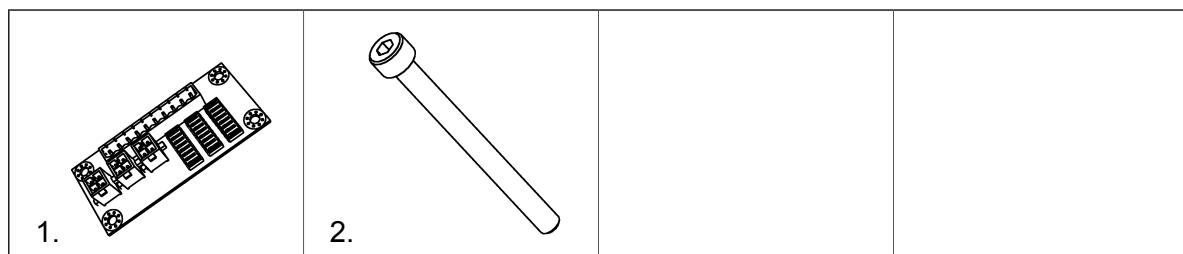


No.	Part Number	Description	Amount
1	WM059531	Support box-shape, board, lower part	1
2	WM059533	Support U-shape, board	1

6 Base head ("metallic head")

No.	Part Number	Description	Amount
3	WM001908-0005	CPU board, IEC full with CAN	1
4	WB000209-0005	Screw, hexagon socket cap, M4, x6, SHMSHXSTZN	6
5	WM032767	Edge protector, grip range 1-2 THK	2 x 200mm
6	WM052381-0001	Board 4U upper connector board	1

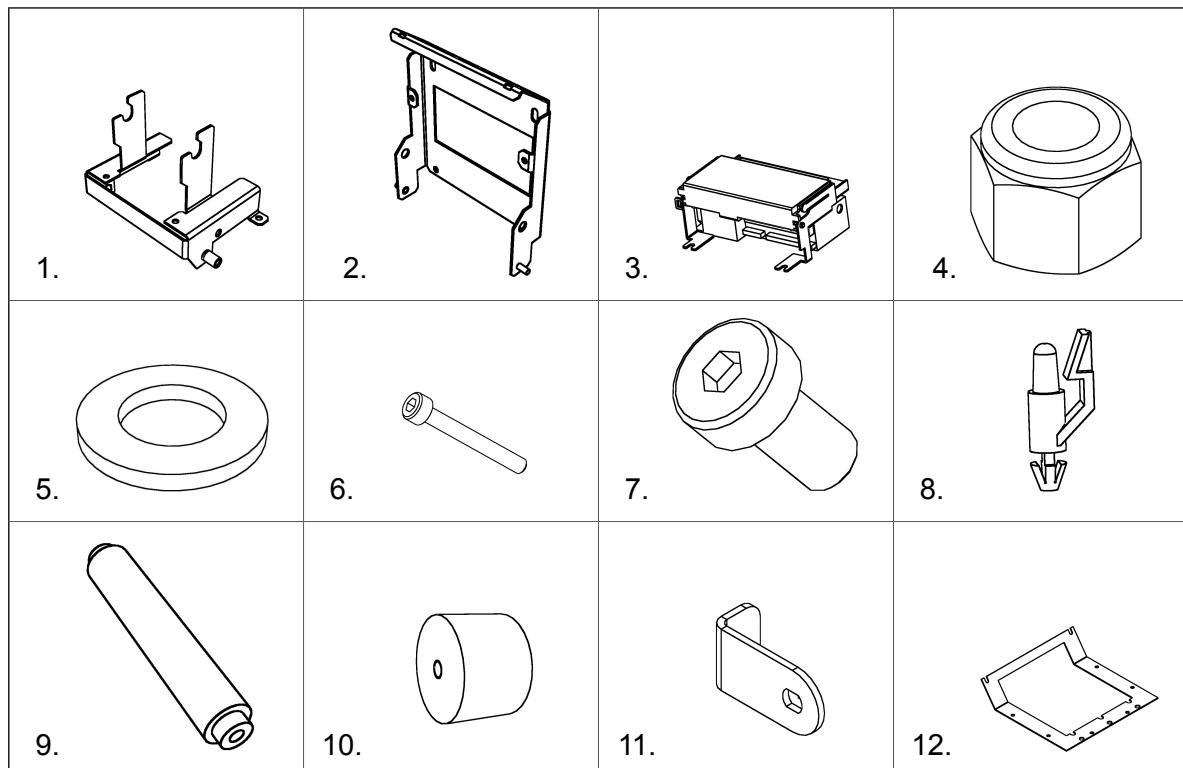
6.10 4 user or payment

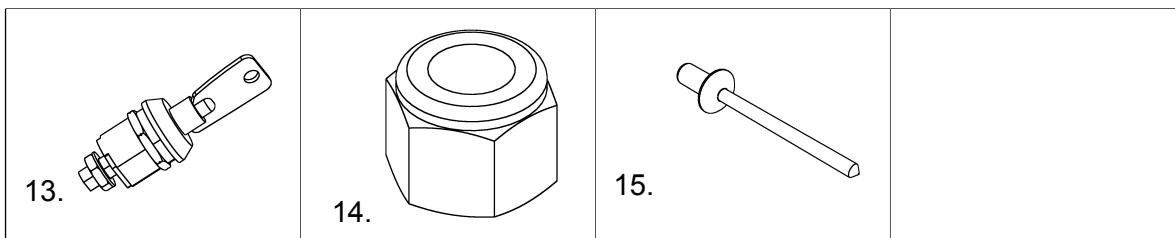


No.	Part Number	Description	Amount
1	WM060332	Communication board, switches	1
2	WB000209-0005	Screw, hexagon socket cap, M4x6	4

6.11 iGEM Printer

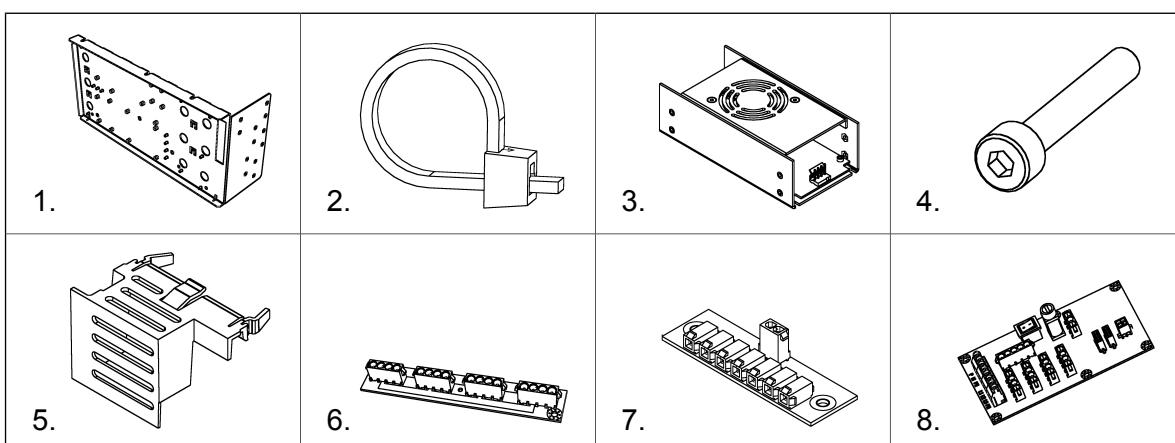
Cables see page 336.



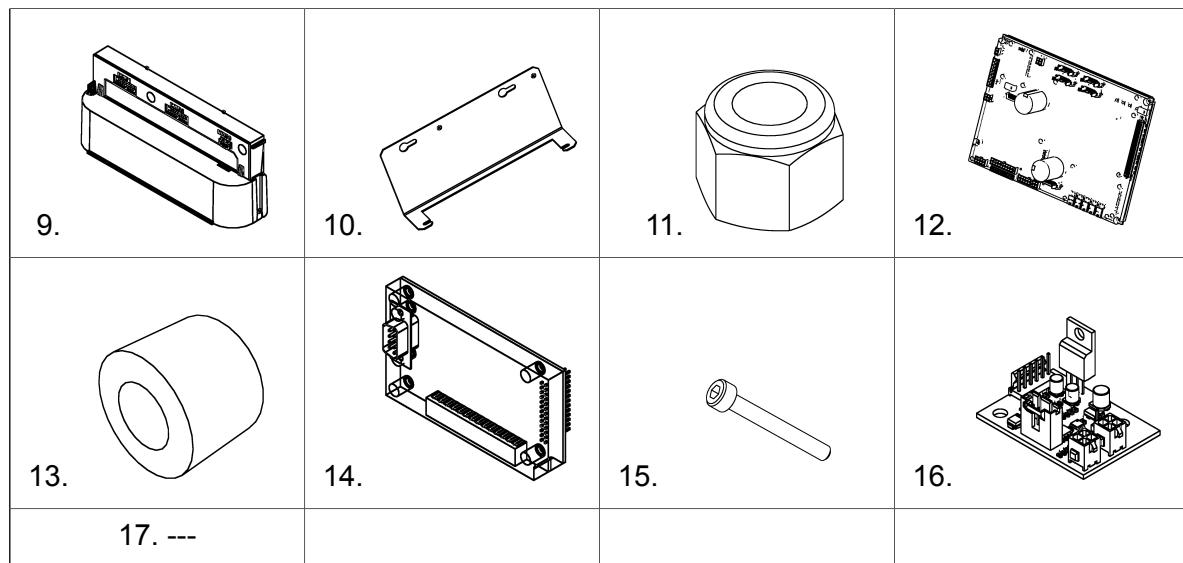


No.	Part Number	Description	Amount
1	WM059247	Support, box shape, top, printer	1
2	WM059252	Support, U-shape, lower, printer	1
3	WR001815	Printer, thermal printer module	1
4	WB000229-0001	Lock nut, M3	2
5	WB000232-0002	Washer, plain, M4, ID=4.3, OD=9, T=0.8	2
6	WB000334-0001	Screw, hexagon socket CAP, M3, x6, SHMSHXSTZN	2
7	WM045228-0001	Screw, hexagon socket CAP, M4, x8, low head	2
8	WR001817	PCB support	2
9	WR001845	Shaft, paper roll	1
10	WR001846	Paper roll, W=58, OD= 83, ID=12	1
11	WM059256	Latch, L-shape, range=29.5, W=19, L=39	1
12	WM059258	Support, L-shape, frame, printer	1
13	WU007624-0001	Lock, without latch, DHW1 key code	1
14	WB000229-0002	Lock nut, M4	6
15	WT000398-0001	Pop rivet, dome head, 4.0 diameter, x 8, grip range 1.5 - 3.5 closed end	3

6.12 Suction ATC, Vapour recovery, Switchable motor



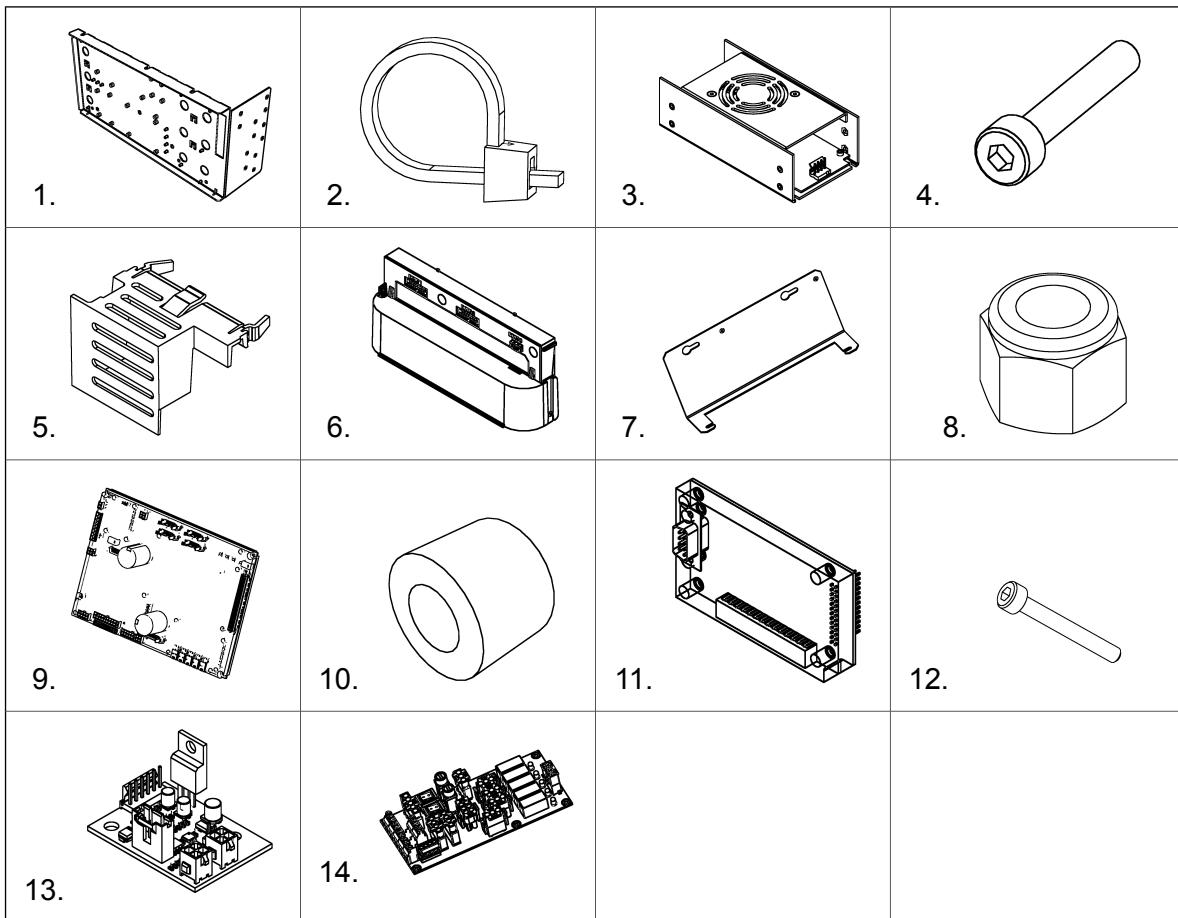
6 Base head ("metallic head")



No.	Part Number	Description	Amount
1	WM057732	Support L-shape, components	1
2	WB000337-0001	Cable tie, W=2.5, L=100	10
3	WM027313-0001	Power supply +24V, 150W	1
4	WB000209-0005	Screw, hexagon socket CAP, M4x6	22
5	WM042620	Cover power supply	1
6	WM038799	Board connection board B2B	1
7	WM055471	Board connection, switchable motor 230/400V	1
8	WM052339-0001	Board connection, suction	1
9	WM046690-0001	Module ISB, three channel, ATEX	1*
10	WM057740	Support L-shape	1*
11	WB000229-0002	Lock nut M4	6
12		CPU board	
	WM001908-0005	- IEC full with CAN (on picture)	1
	WM001908-0002	- IEC low cost	1
13	WB000291-0003	Spacer ID=4.3, OD=8, L=6	4
14	WM001905	Board VR Bürket	1
15	WB000334-0001	Screw, hexagon socket cap, M3x6	4
16	WU007564-0001	Board TTL/CAN converter	1
17	WM032767	Edge protector	100mm

*) 2 needed if more then 2 hydraulics, or ATC. 3 needed if 5 hydraulic, Push Buttons or SMS for 4th or 5th hydraulic.

6.13 Remote ATC, Vapour recovery



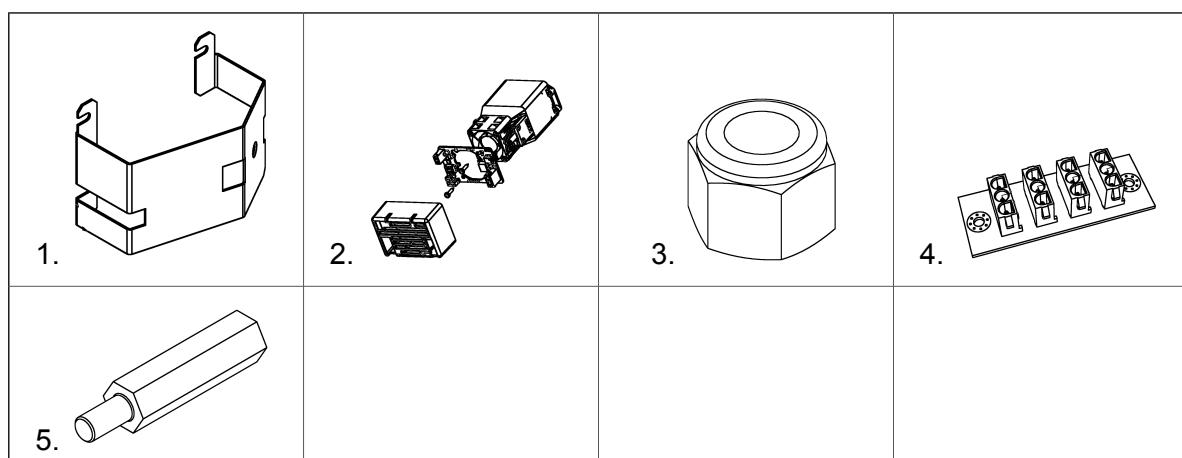
No.	Part Number	Description	Amount
1	WM057732	Support L-shape, components	1
2	WB000337-0001	Cable tie, W=2.5, L=100	10
3	WM027313-0001	Power supply +24V, 150W	1
4	WB000209-0005	Screw, hexagon socket cap, M4x6	18
5	WM042620	Cover power supply	1
6	WM046690-0001	Module ISB, three channel, ATEX	1*
7	WM057740	Support L-shape	1*
8	WB000229-0002	Lock nut M4	6
9		CPU board	
	WM001908-0005	- IEC full with CAN (on picture)	1
	WM001908-0002	- IEC low cost	1

6 Base head ("metallic head")

No.	Part Number	Description	Amount
10	WB000291-0003	Spacer ID=4.3, OD=8, L=6	4
11	WM001905	Board VR Bürket	1
12	WB000334-0001	Screw, hexagon socket cap, M3x6	4
13	WU007564-0001	Board TTL/CAN converter	1
14	WM053342-0001	Board connection, dispenser/LPG	1

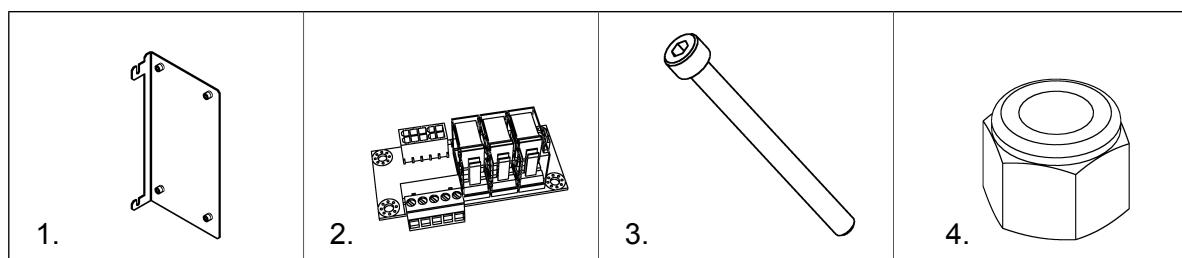
*) 2 needed if more than 2 hydraulics, or ATC. 3 needed if 5 hydraulic, Push Buttons or SMS for 4th or 5th hydraulic.

6.14 Heater



No.	Part Number	Description	Amount
1	WM058345	Support, heater	1
2	WM044405-0002	Heating element with electronic thermostat 290W, 220-240VAC, 24V	1
3	WB000229-0002	Lock nut, M4	2
4	WM060868-0001	Board, connector 230 V	1
5	WB000376-0003	Spacer, blind, M4x25, male/female, hexagonal	4

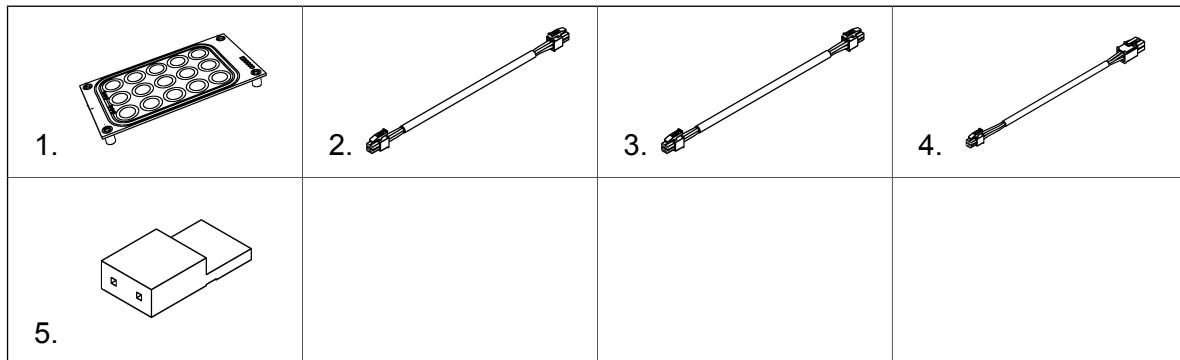
6.15 SAT



No.	Part Number	Description	Amount
1	WM057738	Support, L-shape, options	1
2	WM027195-0001	Board, relay SAT/cash button	1*
3	WB000209-0005	Screw, hexagon socket cap, M4x6	8
4	WB000229-0002	Lock nut, M4	2

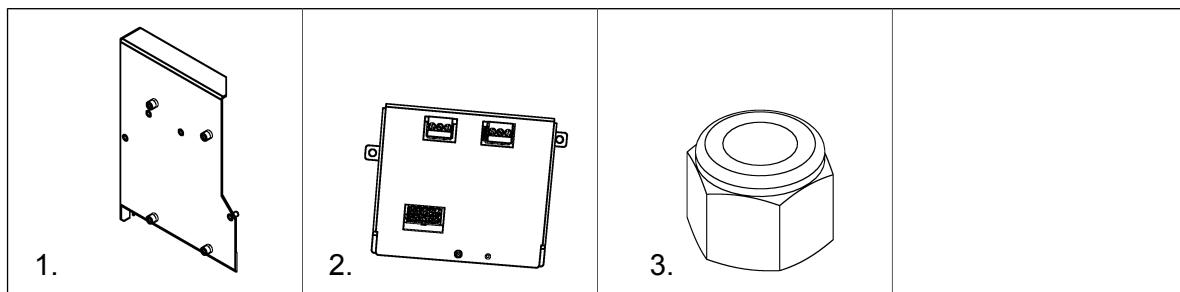
*) 2 Needed if SAT both on A and B side

6.16 Tuch preset soft key



No.	Part Number	Description	Amount
1	WM061307-0001	Board, programmed, preset key touch	
2	WM022505-0003	Cable 4x0.34 L=1100	
3	WM022505-0002	Cable 4x0.34 L=400	
4	WM048859-0002	Cable 4x0.34 L=700	
5	WM019879	Connector, jumper	

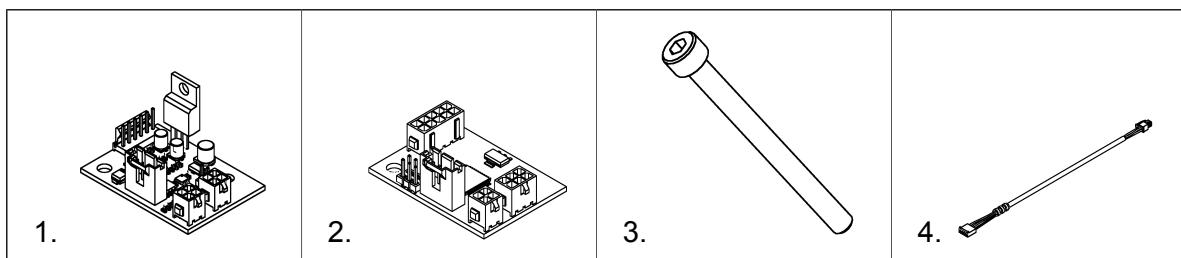
6.17 Vapor Gate



No.	Part Number	Description	Amount
1	WM057734	Support, L-shape	1
2	WM018523	Intrinsically safe barrier and interface for DWP VR meter	1
3	WB000229-0002	Lock nut, M4	6

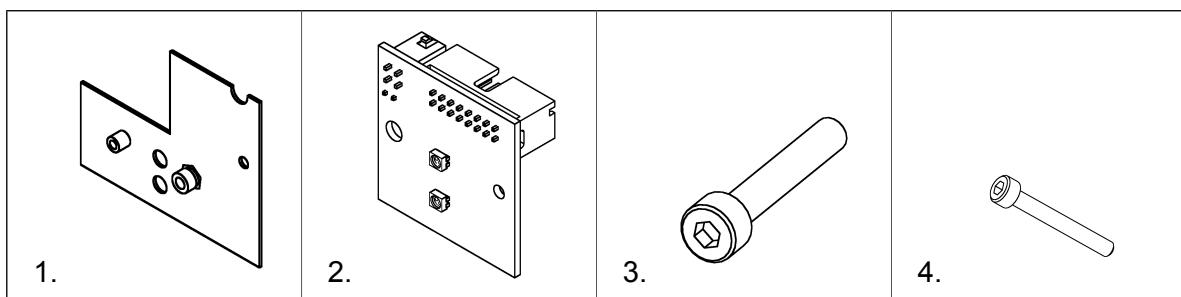
6 Base head ("metallic head")

6.18 SMS & Push button



No.	Part Number	Description	Amount
1	WU007564-0001	Board programmed, TTL/CAN converter Push Button	1
2	WU006752	Board, programmed, nozzle switch	1
3	WB000209-0005	Screw, hexagon socket cap, M4x6	4
4	WM044549-0002	Cable 4x0.34 zone SC Eexi L=1500	1

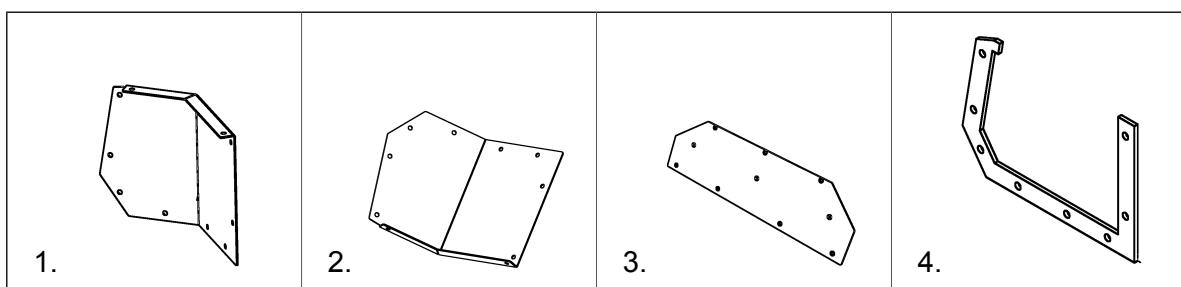
6.19 LED Com

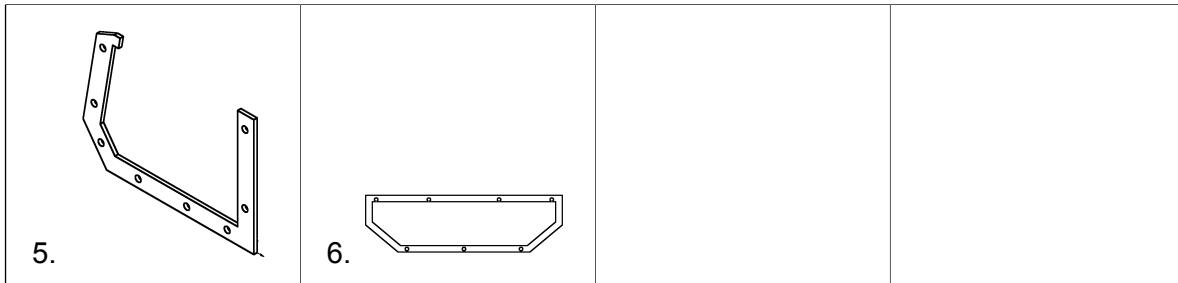


No.	Part Number	Description	Amount
1	WM059602	Support flat, LED Com	2
2	WM048942-0001	LED Com board	2
3	WB000209-0005	Screw, hexagon socket cap, M4x6	2
4	WB000334-0001	Screw, hexagon socket cap, M3x6	2

6.20 Option box

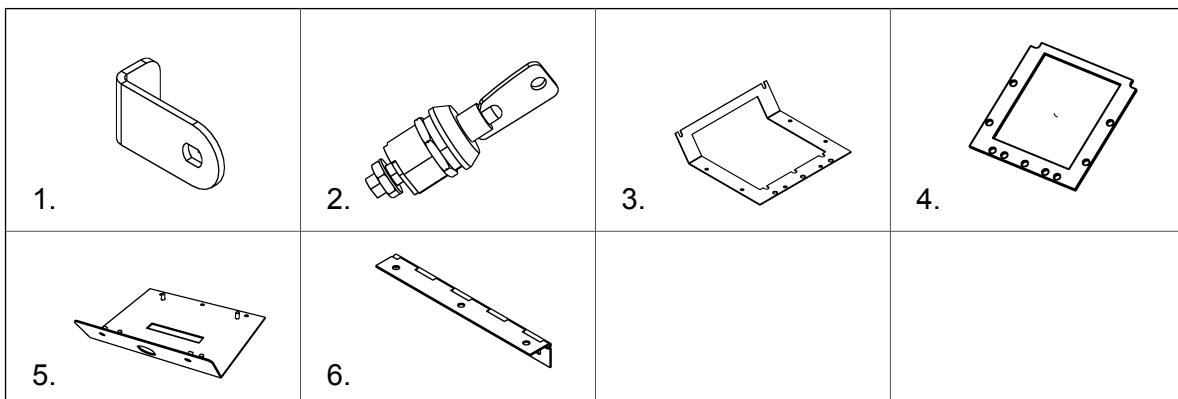
6.20.1 General



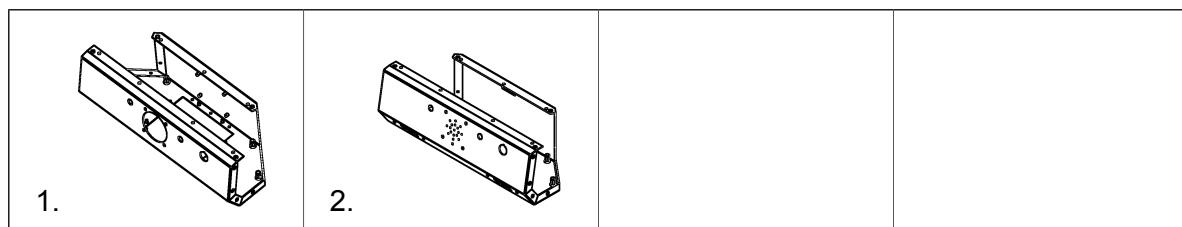


No.	Part Number	Description	Amount
		Side panel	
1	WM060340-F105	- Left L-shape, grey	
2	WM060345-F105	- Right, L-shape, grey	
3	WM061469	Support, flat, top	
		Gasket, side panel	
4	WM059660	- Right	
5	WM059661	- Left	
6	WM059662	Gasket top	

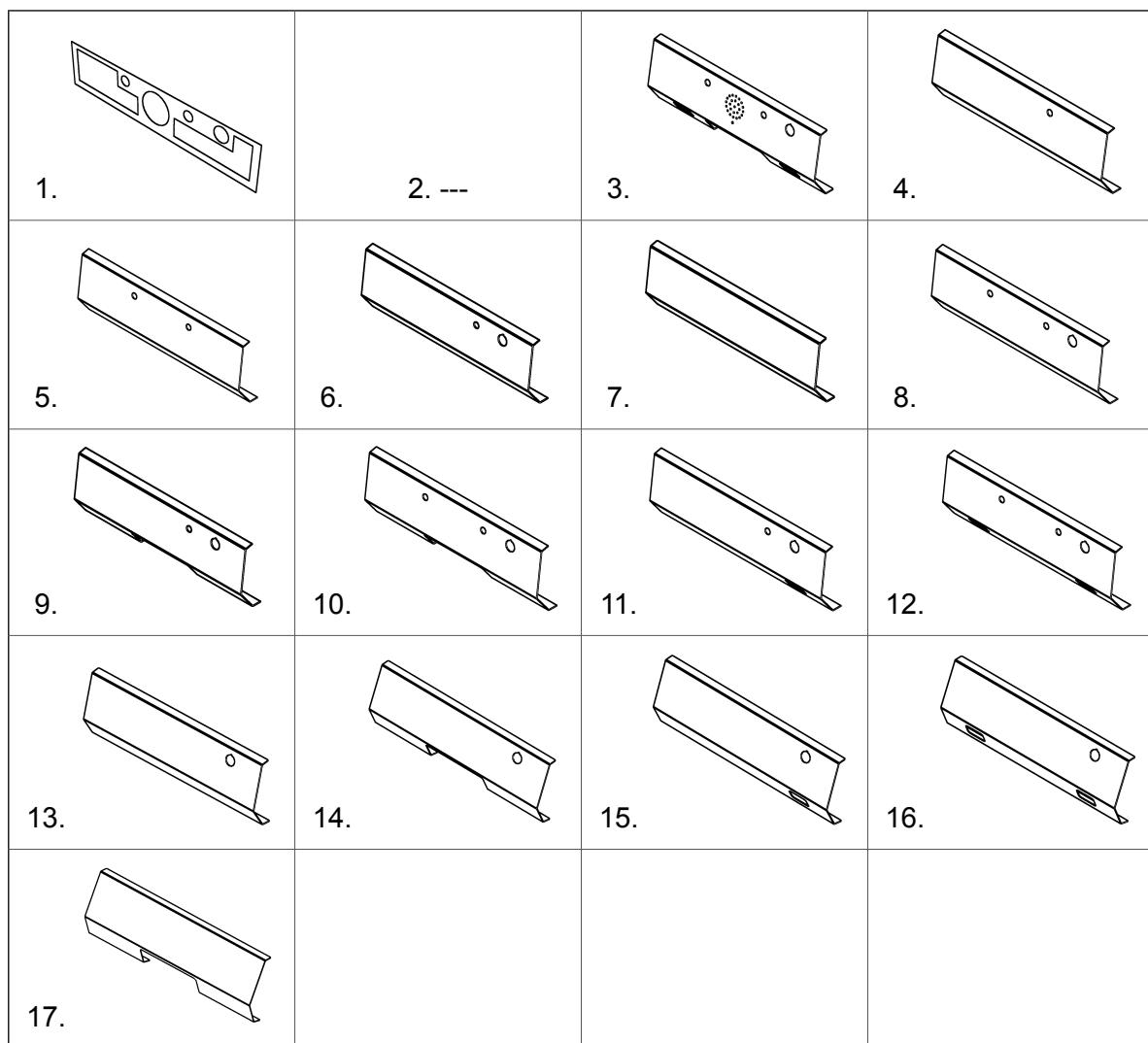
6.20.2 Printer panel (iGEM printer)



No.	Part Number	Description	Amount
1	WM059256	Latch, L-shape, range=29.5, W=19, L=39	
2	WU007624-0001	Lock, without latch, DHW1 key code	
3	WM059258	Support, L-shape, frame, printer	
4	WM059260	Gasket, L=189.5, W=180, T=4	
5	WM060338-F105	Panel, iGEM printer	
6	WM062405	Hinge	

6.20.3 Configured

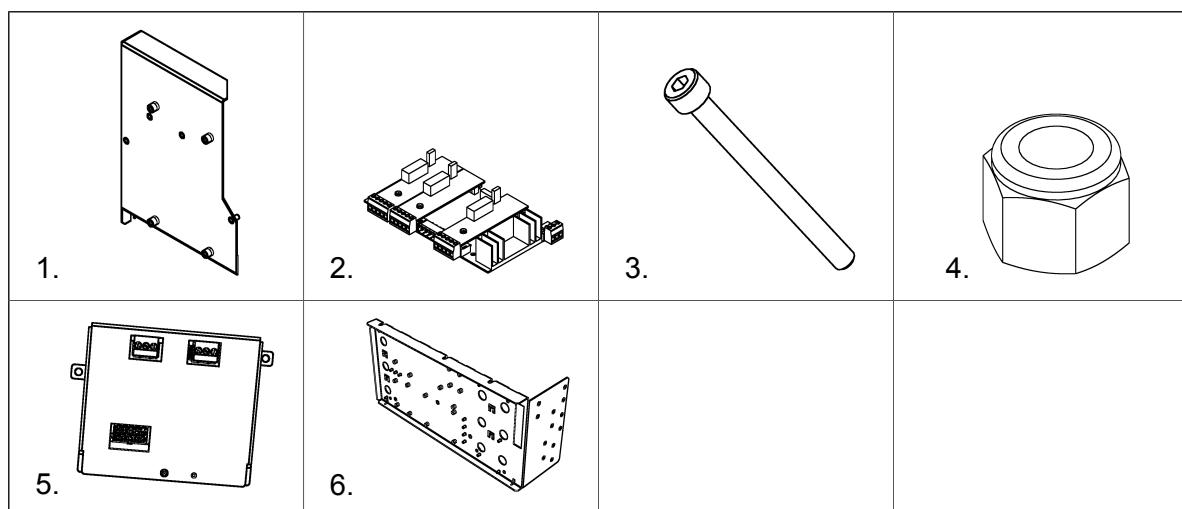
No.	Part Number	Description	Amount
1	WM060329-F105	Support, iGEM printer, scanner, iButton, EM button, grey	
2	WM060721-F105	Support, box shape, scanner, iButton, EM button, grey	

6.20.4 Cover Plates

No.	Part Number	Description	Amount
1	WM061398	Adhesive tape, double-sided, option box, L=443, H=94	
2	WM061405	Adhesive tape, double-sided, option box, L=70, H=48	
3	WM061408-F105	Cover plate, option box, grey	
4	WM061409-F105	Cove rplate, option box, iButton, grey	
5	WM061412-F105	Cove rplate, option box, dual ibutton, grey	
6	WM061413-F105	Cover plate, option box, iButton & emergency, grey	
7	WM061414-F105	Cover plate, option box, blind, grey	
8	WM061417-F105	Cover plate, option box, dual iButton & emergency, grey	
9	WM061420-F105	Cover plate, option box, iGEM, iButton, emergency, grey	
10	WM061422-F105	Cover plate, iGEM printer, dual iButton, emergency, grey	
11	WM061423-F105	Cover plate, option box, barcode, iButton, emergency, grey	
12	WM061424-F105	Cover plate, option box, dual Barcode, dual iButton, emergency B, grey	
13	WM061425-F105	Cover plate, option box, emergency button, grey	
14	WM061426-F105	Cover plate, option box, emergency B, iGEM printer, grey	
15	WM061427-F105	Cover plate, option box, emergency B, barcode, grey	
16	WM061428-F105	Cover plate, option box, emergency B, dual barcode, grey	
17	WM061624-F105	Cover plate, option box, iGEM printer, grey	

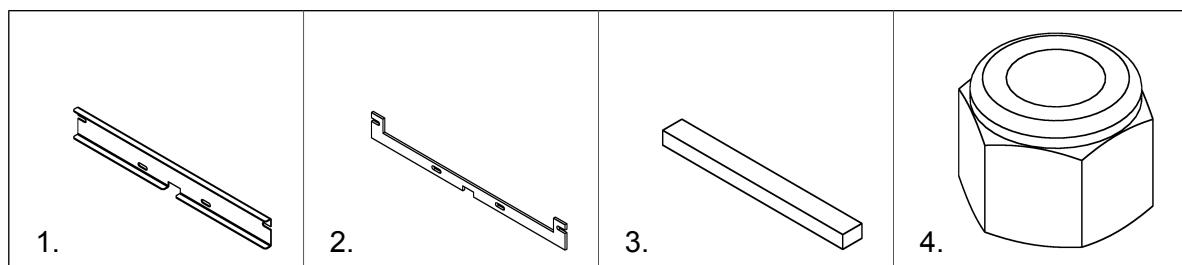
6 Base head ("metallic head")

6.21 MUX



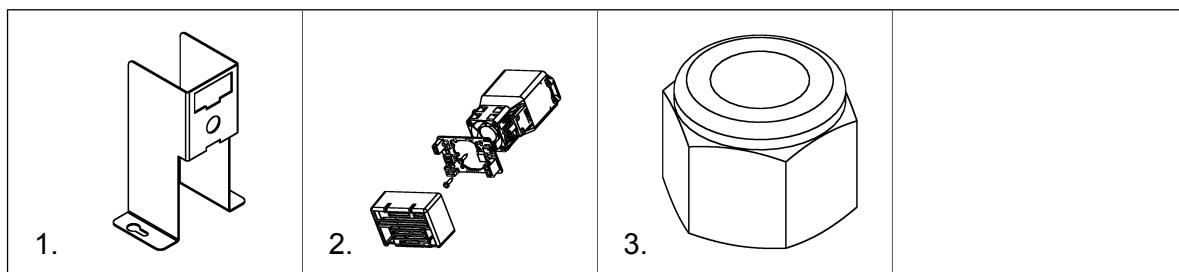
No.	Part Number	Description	Amount
1	WM057734	Support, L-shape	1
2	WR001802	Communication board, multiplex communication board-three current loop	1
3	WB000209-0005	Screw, hexagon socket CAP, M4x6	4
4	WB000229-0002	Lock nut, M4	2
5	WM018523	Intrinsically safe barrier and interface for DWP VR meter	1
6	WM060438	Support, U-shape, 4-users, option, MUX	1

6.22 Assembly instruction, sealing cable, payment terminal



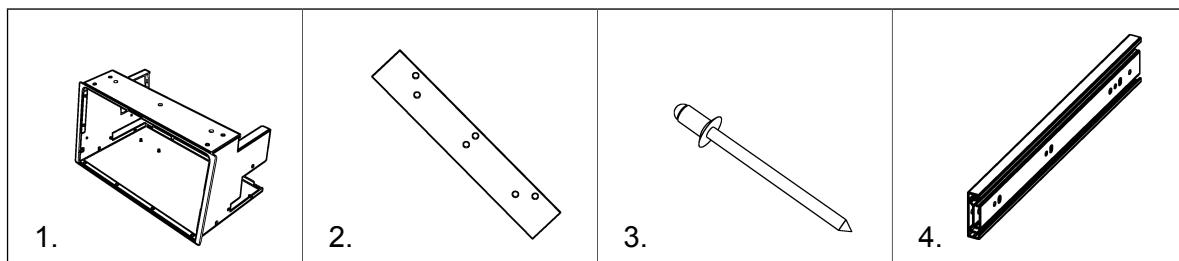
No.	Part Number	Description	Amount
1	WM060885	Support, U-shape	1
2	WM062621	Gasket, payment terminal	1
3	WM060886	Gasket, L=282, H=30 T=20	1
4	WB000229-0002	Lock nut, M4	8

6.23 Assembly instruction, heater



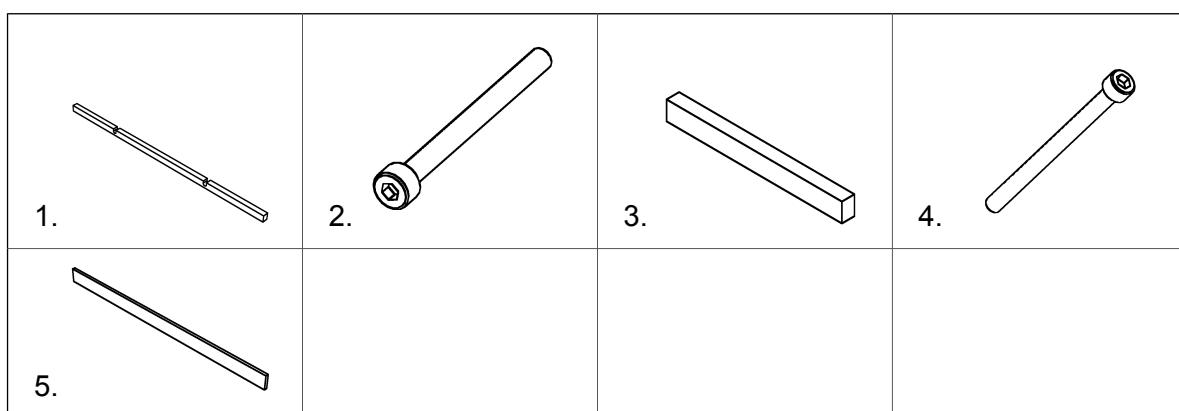
No.	Part Number	Description	Amount
1	WM048436	Support, U-shape, heating element	1
2	WM044405-0002	Heating element with electronic thermostat	1
3	WB000229-0002	Lock nut, M4	2

6.24 Assembly instruction, payment terminal box



No.	Part Number	Description	Amount
1	WM060708	Head, PT box	1
2	WM060357	Gasket, L=454, W=77, T=3	1
3	WM062614-0001	Pop rivet, CSK head, 4,0 diameter x6	8
4	WM045125	Rail, L=300, complete assembly	2

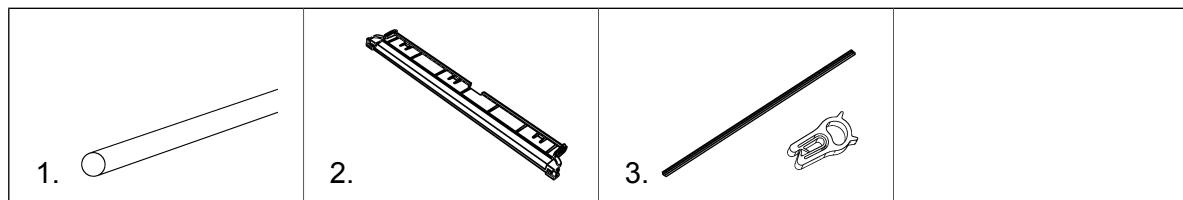
6.25 Assembly instruction, base frame payment terminal box



6 Base head ("metallic head")

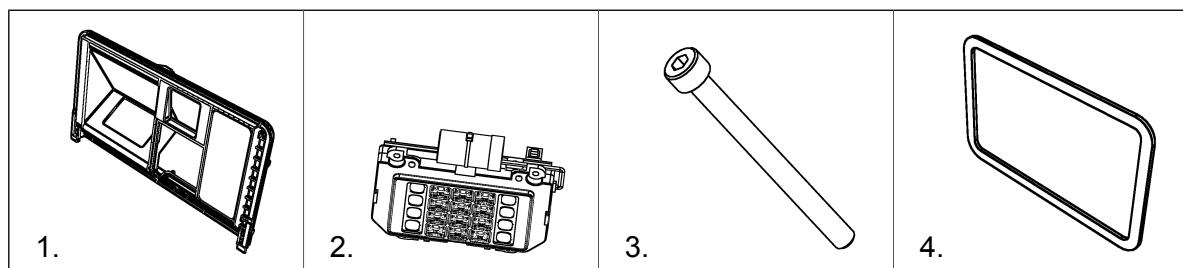
No.	Part Number	Description	Amount
1	WM060781	Gasket, L=460 H=12,5 T=10	1
2	WB000209-0009	Screw, hexagon socket CAP, M4x12	4
3	WM062410	Gasket, L=280, W=30, T=20	2
4	WB000211-0012	Screw, hexagon socket CAP, M6x10	10
5	WM060790	Gasket, L=255 H=15 T=3	4

6.26 Assembly instruction, payment panel



No.	Part Number	Description	Amount
1	WM045302-0003	Gasket, profile, L=510mm	1
2	WM052597-F105	Panel, lower, PT, sealing	1
3	WM045016-0010	Gasket, profile, L=1405	1

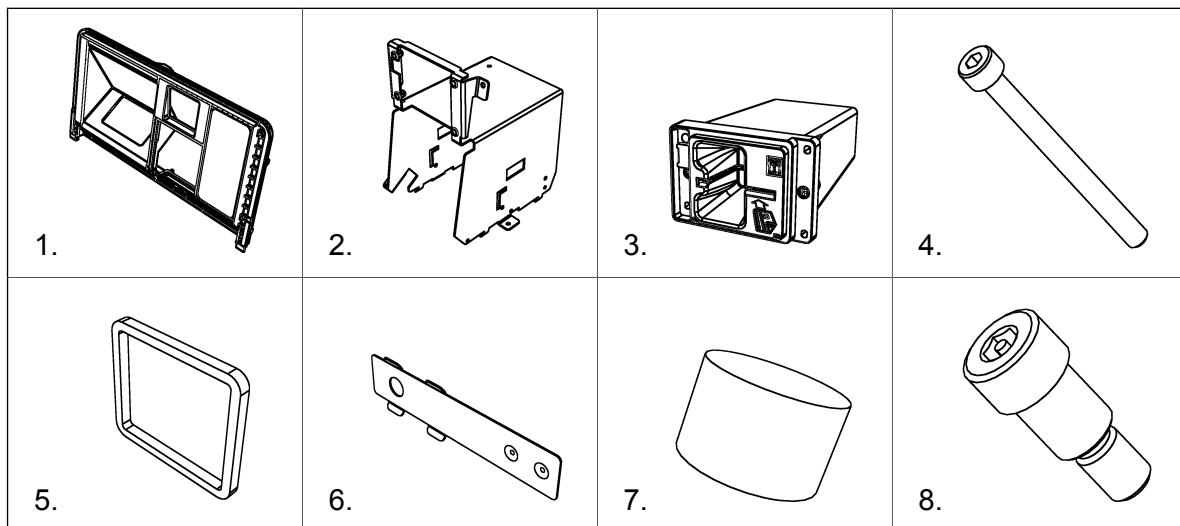
6.27 SPM Keypad



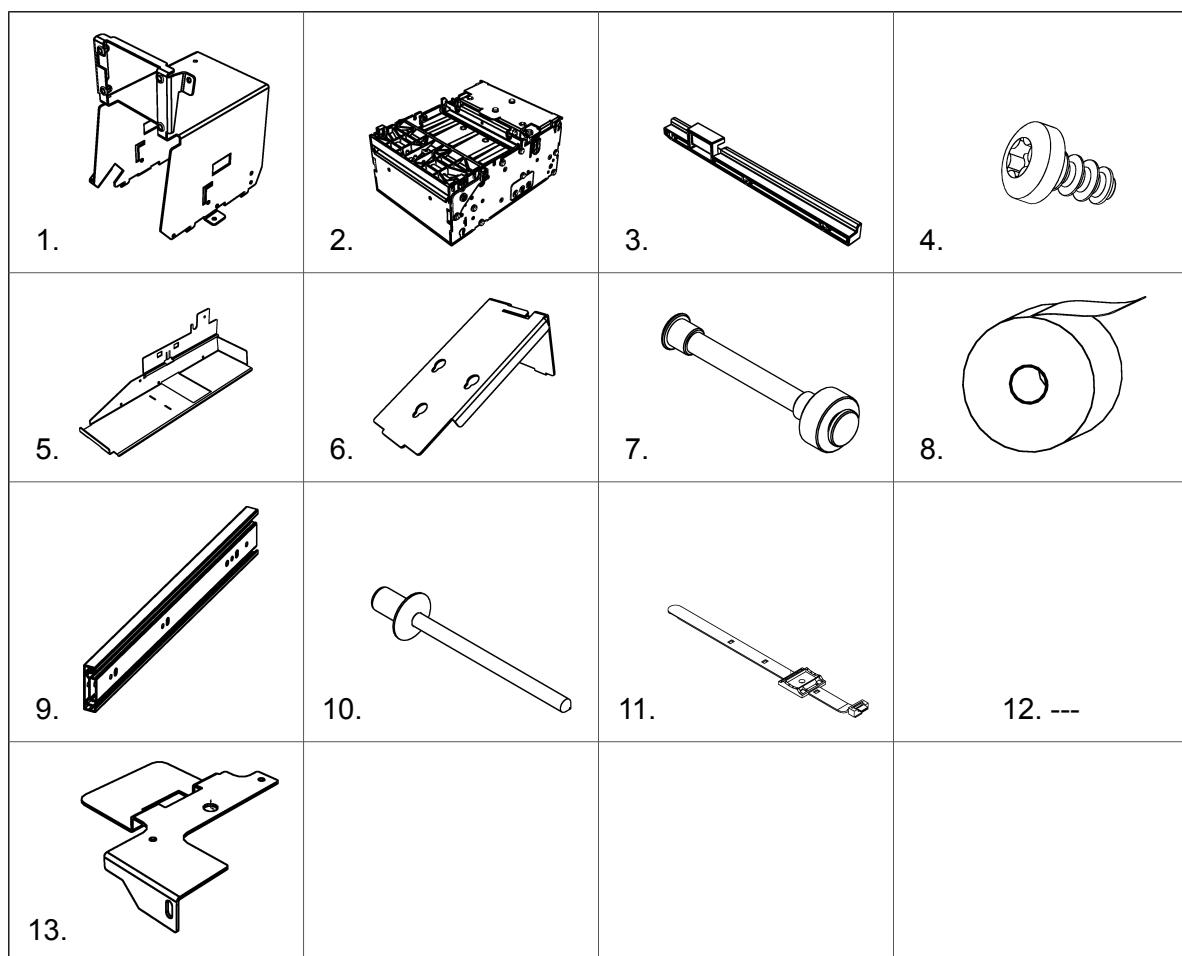
No.	Part Number	Description	Amount
1		Front panel, small payment terminal	1
	WM052509-F105	- Small opening (on picture)	
	WM054969-F105	- Small opening, barcode reader	
	WM054875-F105	- Small opening, contactless reader	
2		Key pad	1
	WU000436-0007	- Secure payment module, UK, low profile (on picture)	
	WU000436-0008	- Secure payment module, gen, low profile	

No.	Part Number	Description	Amount
	WU009556-0001	- Key pad, SPM, sha1, low pro, injected, Q8 Denmark, 3des	
3	WB000209-0008	Screw, hexagon socket cap, M4x14	2
4	WM042603	Gasket, SPM keypad	1

6.28 Card reader chip/mag secure injected (ADA/Low position)



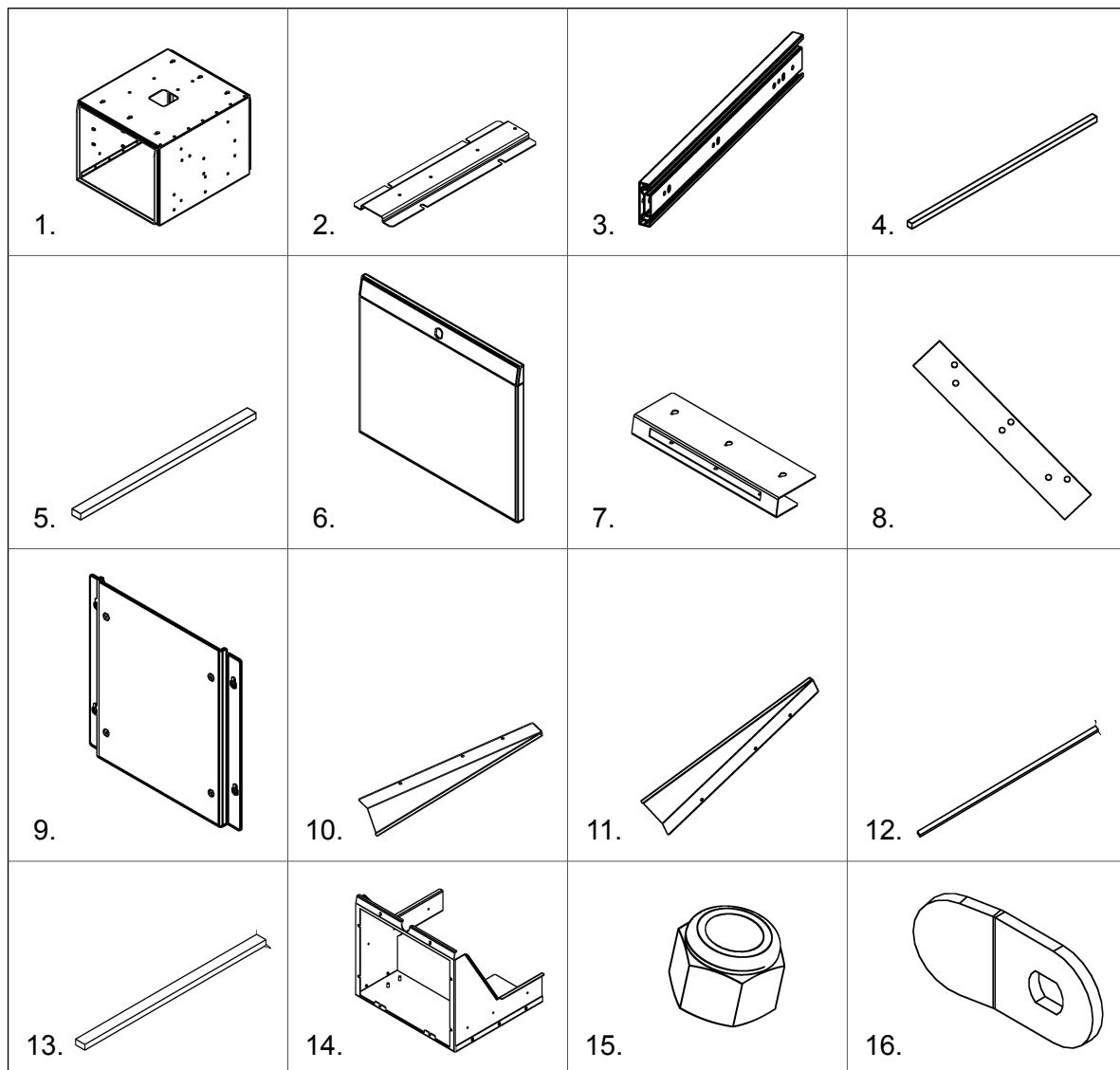
No.	Part Number	Description	Amount
1		Front panel, small payment terminal	1
	WM052509-F105	- Small opening (on picture)	
	WM054969-F105	- Small opening, barcode reader	
	WM054875-F105	- Small opening, contactless reader	
2	WM049049	Support box shape, card reader ADA, SPM	1
3	WU001002-0001	Card reader chip/mag, secure, injected	1
4	WB000209-0008	Screw, hexagon socket cap, M4x14	3
5	WM045438	Gasket 80x71.8, T=5	1
6	WM041514	Switch plate, SPM (1x)	1
7	WM061599	Knob SPM switch	1
8	WU004886-0001	Special tamper screw, shoulder, M4 x 6.5	1

6.29 Printer, Zebra w/ 10,4" display

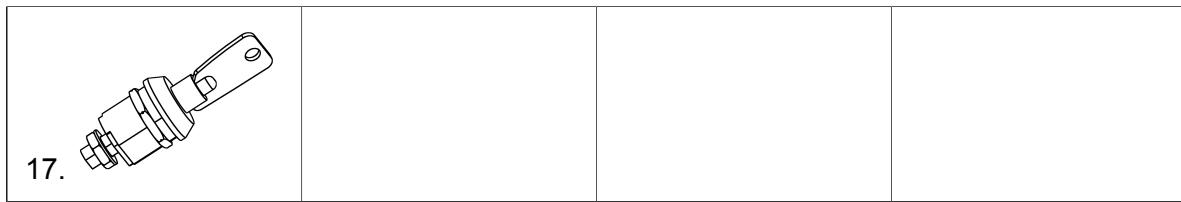
No.	Part Number	Description	Amount
1		Support	1
	WM049049	- U-shape, card reader (on picture)	
	WM048392	- U-shape	
2		Printer Zebra	1
	WU006648-0001	- Printer 60mm (on picture)	
	WU006648-0002	- Printer 80mm	
3	WM048062	Moulded, rail, printer support	1
4	WM045329-0001	Self tapping screw, Torx, pan head 4x8, for plastic	3
5	WM054095	Support L-shape, printer	1
6	WM054097-0001	Support U-shape, adapter Zebra	1
7	WM040483	Support, shaft paper	1
8		Paper roll	1

No.	Part Number	Description	Amount
	WM040489	- 80 mm	
	WM048061	- 60 mm	
9	WM045125	Rail L=300, complete assembly	1
10	WM028446-0001	Pop rivet, dome head, 4.0 diameter x7, grip range 0-3,2	4
11	WU008226-0001	Cable, 25.4mm dia. max, adhesive M4 (#6) mount	4
12	WM029845-0004	Cover slit harness wrap D=8 (0,3 m)	
13	WM058916	Racket loop cover kit, KR203 short finger	1

6.30 3d Party payment box

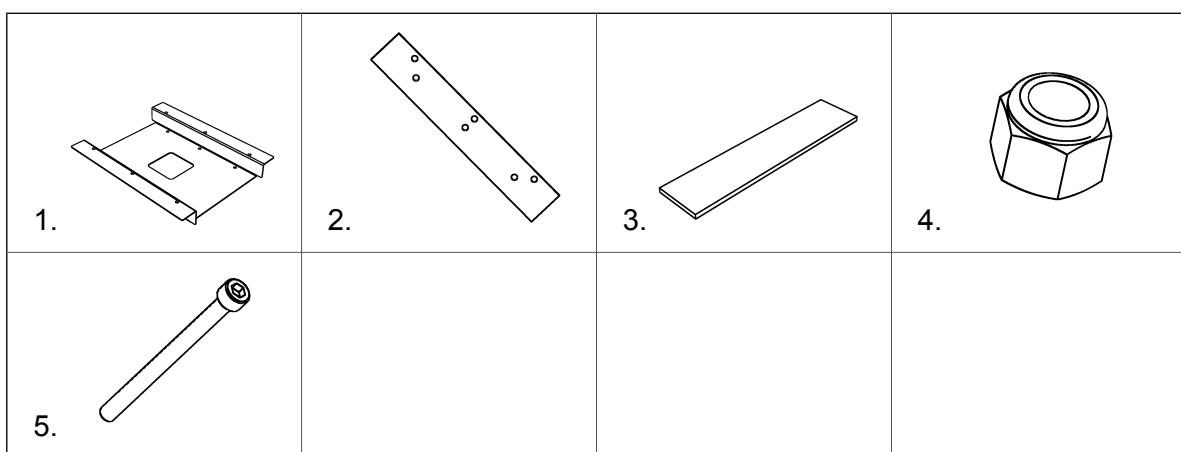


6 Base head ("metallic head")



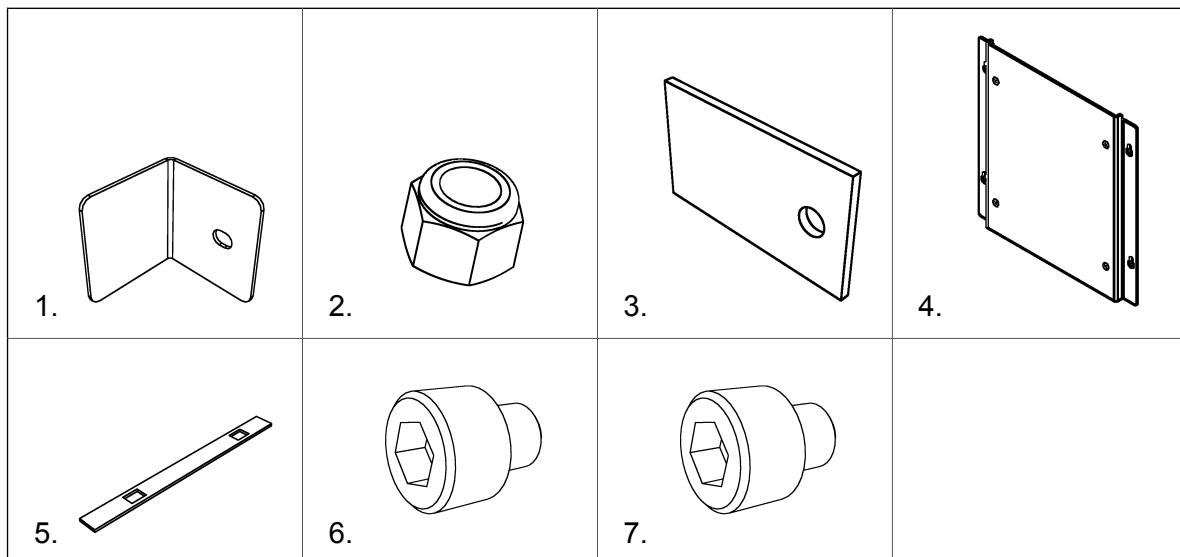
No.	Part Number	Description	Amount
1	WM060306	Support, box shape, P@P, H=350	1
2	WM060320	Support, U-shape, for rail	
3	WM045125	Rail, L=300, complete	4
4	WM060352	Gasket L=408, W=10, T=10	
5	WM060353	Gasket L=324, W=16, T=10	
6	WM060424-F105	Blind panel, payment	
7	WM060422-F105	Support, U-shape for P@P, grey	
8	WM060357	Gasket, L=454, W=77, T=3	
9	WM060313	Support, U-shape, cable channel, P@P	
10	WM061639-F105	Cover plate, L-shape, right, grey	
11	WM061640-F105	Cover plate, L-shape, left, grey	
12	WM019902	Gasket L=487, W=11, T=10	1
13	WM024054	Gasket L=370, W=19, T=10	3
14	WM060322	Support, L-shape, slider, payment	1
15	WM000229-0003	Lock Nut, M6	8
16	WM060324	Latch, V-shape, Range=24.5	1
17	WU007624-0001	Lock without Latch, DHWI Key Code	1

6.31 3d Party payment box, with support



No.	Part Number	Description	Amount
1	WM062353	Support, U-shape, 3rd party payment	1
2	WM060357	Gasket, L=454, W=7, T=3	4
3	WM062440	Gasket, W=40, L=175, T=4	2
4	WB000229-0003	Lock nut, M6	3
5	WB000211-0012	Screw hexagon socket CAP, M6x10	3

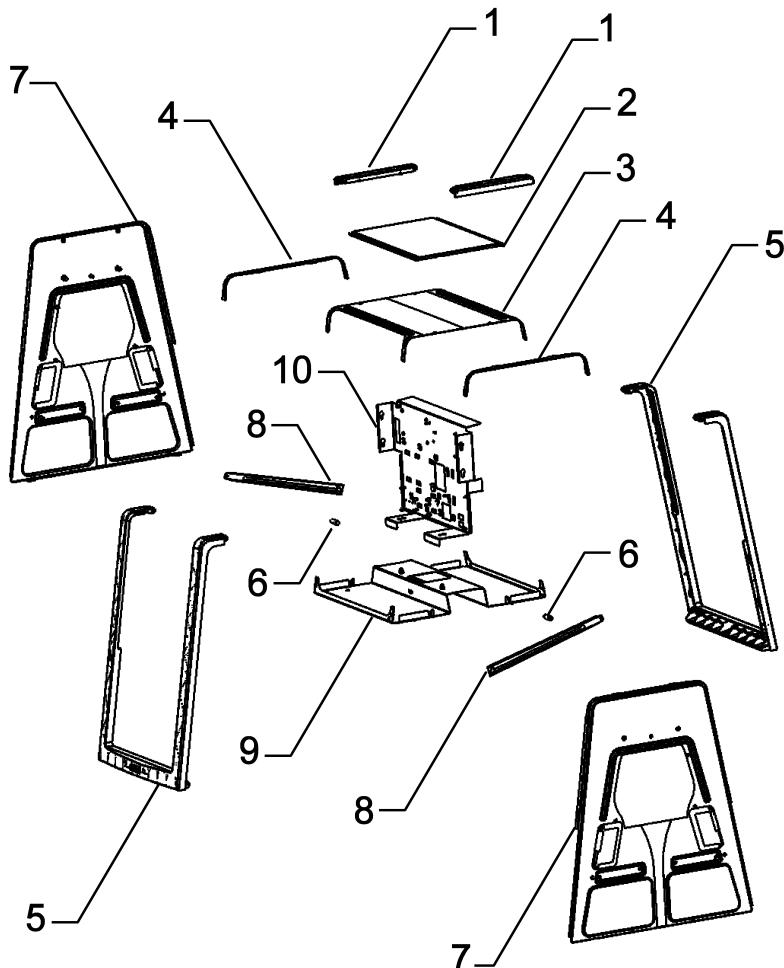
6.32 3d Party payment box, base frame



No.	Part Number	Description	Amount
1	WM062438	Support, L-shape, corners	4
2	WB000229-0003	Lock nut, M6	4
3	WM062439	Gasket, H=55, W=95, T=4	4
4	WM060313	Support, U-shape, cable channel, 3rd Party Payment	2
5	WM062446	Gasket, W=32, L=348, T=4	4
6	WB000211-0017	Screw, hexagon socket CAP, M6x6	4
7	WB000211-0004	Screw, hexagon Socket CAP, M6x12	8

7 Electronic head - Helix 1000

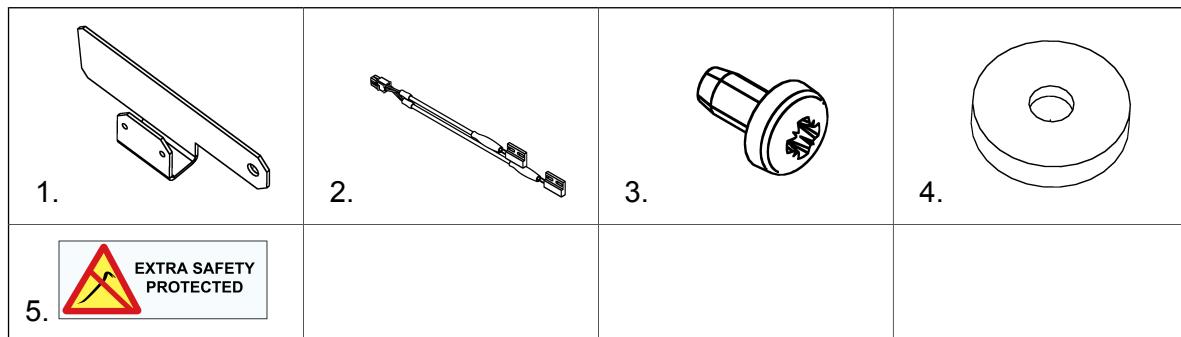
7.1 Frame Helix 1000



No.	Part Number	Description	Amount
1	WM052636	Hinge top decor	2
2	WM052637	Support, box shape roof	1
3	WM052638	Deep drawn	1
4	WM053225	Gasket, L=492.5, H=22, W=3	2
5	WM052630-A040	U-frame (silver)	2
6	WM050850	Hook rail	2
7	WM061172-F105	Side panel	2
8	WM050844	Support, U-shape rail	2
9	WM052635	Panel bottom, electronic head	1

No.	Part Number	Description	Amount
10	WM050463	Support, L-shape iGem	1
	WM032767	Edge protector, grip range 1-2 thk	275mm
	WM057366	Sealant, dow corning 732	40ml
	WM058672	Sealant, dow corning 7096	40ml

7.2 Security switch - Helix 1000



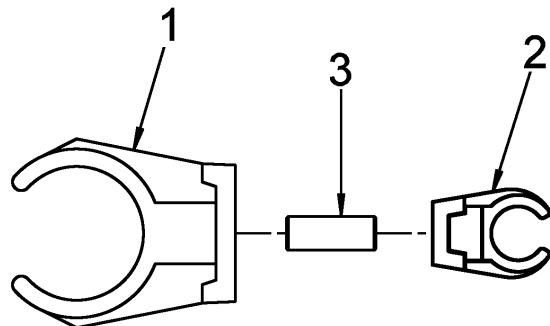
No.	Part Number	Description	Amount
1	WM058964	Support U-shape, security switch	2
2	WM059359-0001 WU009121-0001	Sensor	1
3	WB000663-0001	Taptite screw, cross recessed, pan head, M3x6	4
4	WM021382	Magnet	2
5	WM006679	Sticker, extra safety protected	2

8 Hose handling

Hanging hardware see page 314.

Helix 1000: Coupling, hose connector and nozzle boot, see page 267.

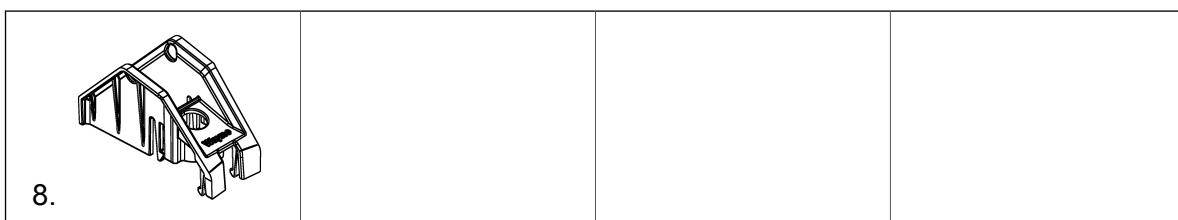
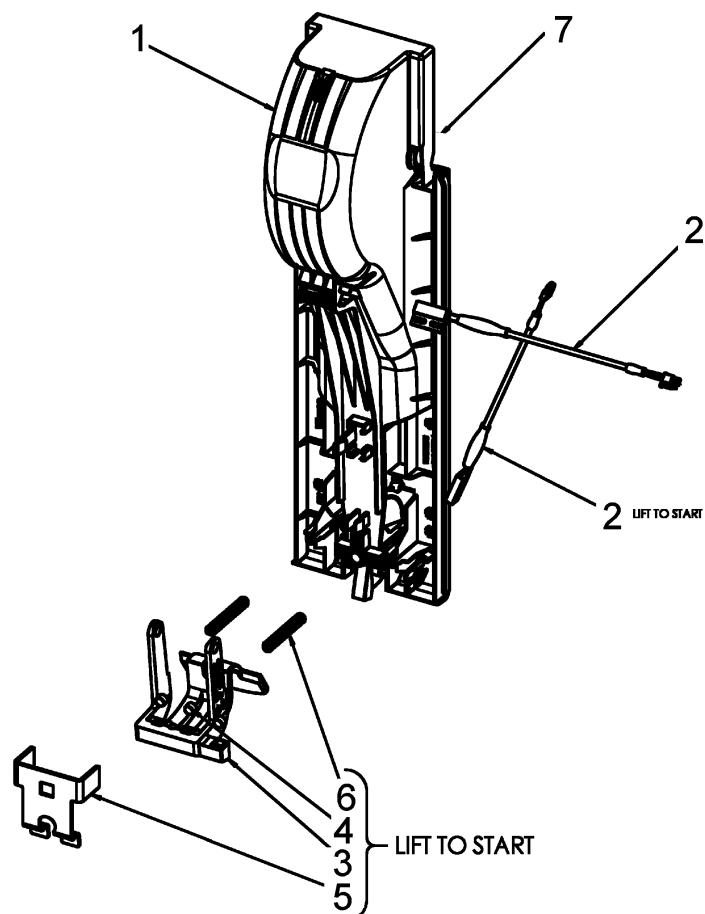
8.1 Tube clip



No.	Part Number	Description	Amount
1	WB000346-0002	Clip, for 24 tube, M6 fixing	1
2	WB000346-0004	Clip, for 10 tube, M6 fixing	1
3	WM027467-0001	Set screw, hexagon socket, M6x16, flat point	1

8.2 Nozzle boot

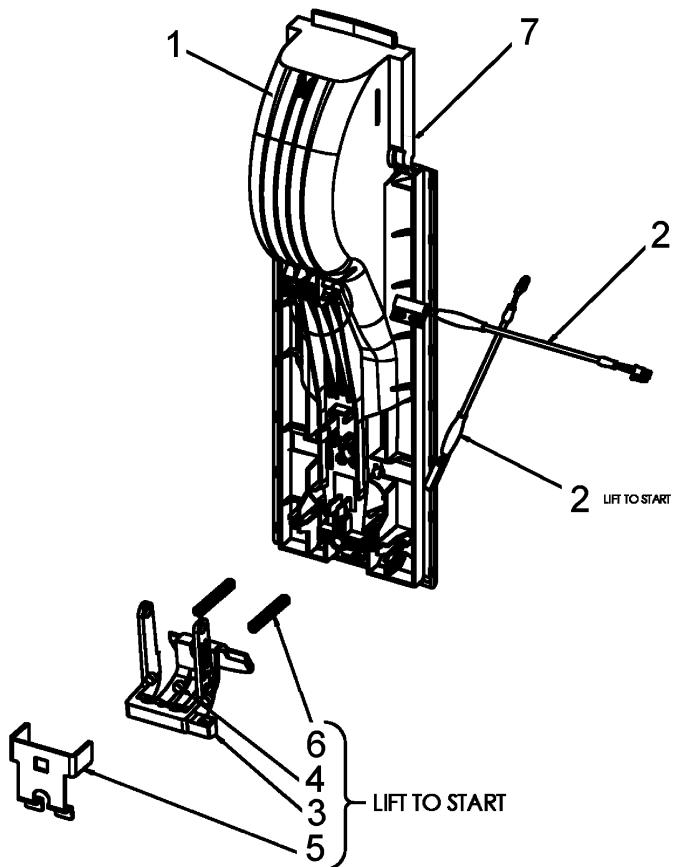
8.2.1 Nozzle boot, H-style



No.	Part Number	Description	Amount
1	WM045780	Nozzle boot with gasket	1
	WM041075	- Nozzle boot	1
	WM049824-0001	- Gasket	2
2	WM045692-0001	Switch, magnetic reed 2-wire normally close cable l=1300	2
3	WM045941-0001	Lever LTS snaplock	2
4	WM042009	Magnet block 6x8	3
5	WM041065	LTS bracket	1

No.	Part Number	Description	Amount
6	WM041829	Spring	2
7	WM054215	Flap nozzle boot	
8	WM053486	Moulded cover (std for EMEA)	0-1

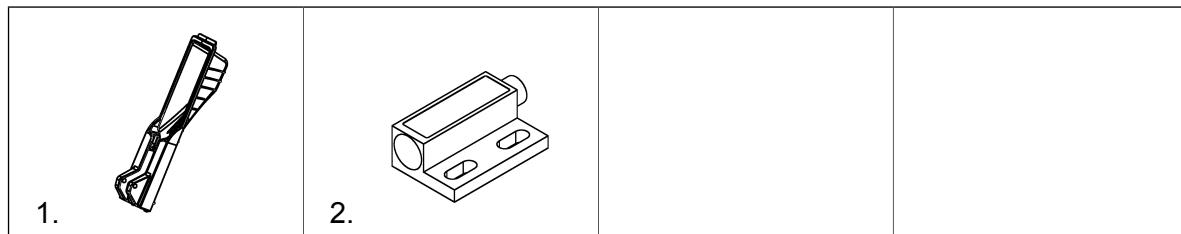
8.2.2 Nozzle boot, Small style



No.	Part Number	Description	Amount
1		Moulded nozzle boot	
	WM045804	- Auto-on and ITS, island	1
	WM045705	- Roof, with hanger	1
2	WM045692-0001	Switch, magnetic reed 2-wire normally close cable l=1300	1 or 2
3	WM045941-0001	Lever LTS snaplock	1
4	WM042009	Magnet block 6x8	1
5	WM041065	LTS bracket	

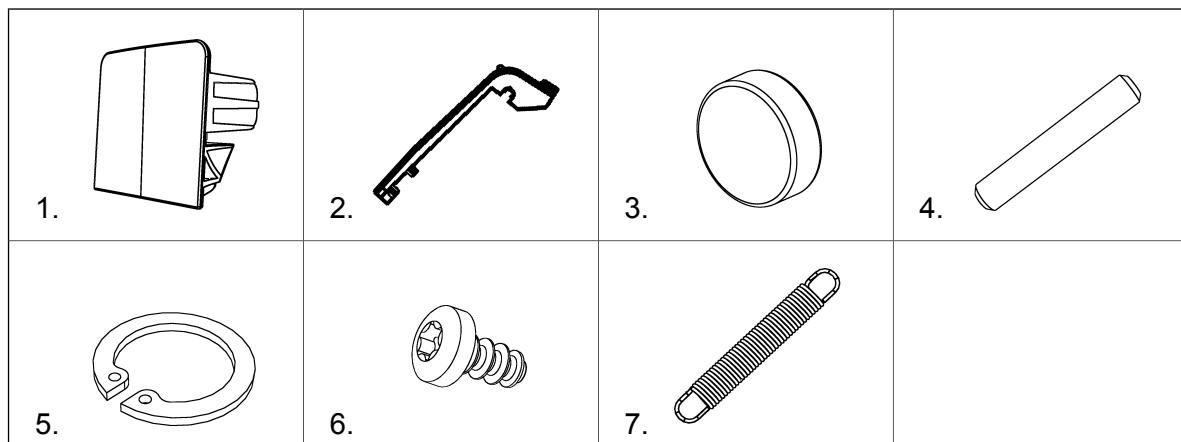
No.	Part Number	Description	Amount
6	WM041829	Spring	2
7	WM046400-0001	Flap nozzle boot	

8.2.3 Nozzle boot Helix 1000



No.	Part Number	Description	Amount
1		Nozzle boot island	
	WM051453-0001	- Without flapper (on picture)	
	WM051453-0002	- Auto-ON , flapper	
2	WM009210-0001	Switch magnetic reed 2-wire normally closed 1.5m cable	

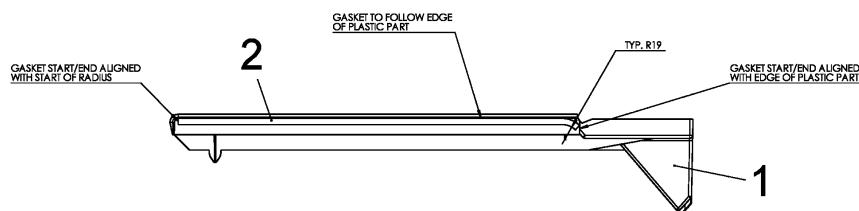
Flapper



No.	Part Number	Description	Amount
1	WM050382	Cover nozzle boot	
2	WM061566	Flap actuating flap	
3	WM052934	Magnet, Ø15x5	
4	WM051319	Pin Ø6x35	
5	WM053076	Retaining ring	
6	WM045329-0001	Self tapping screw, torx, pan head	

No.	Part Number	Description	Amount
7	WM054184	Spring, plain	

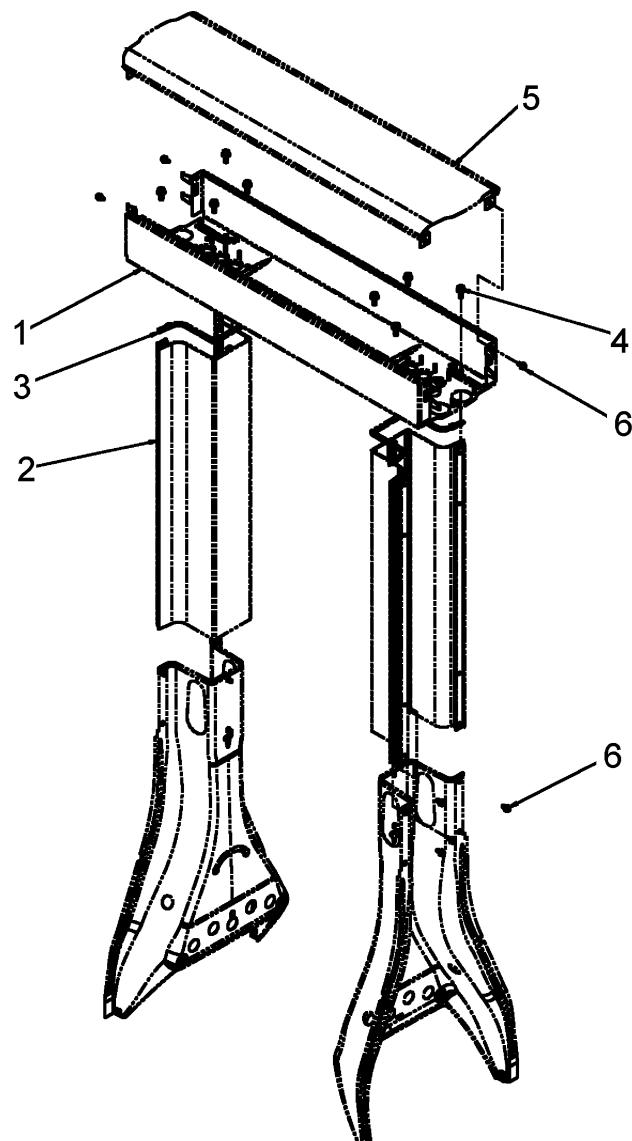
8.3 Nozzle boot blank off plate



No.	Part Number	Description	Amount
1	WM041133	Blank off panel	
2	WM049824-0001	Gasket	2

8.4 Top box

8.4.1 Top box wide 4 hoses, 8 hoses and narrow

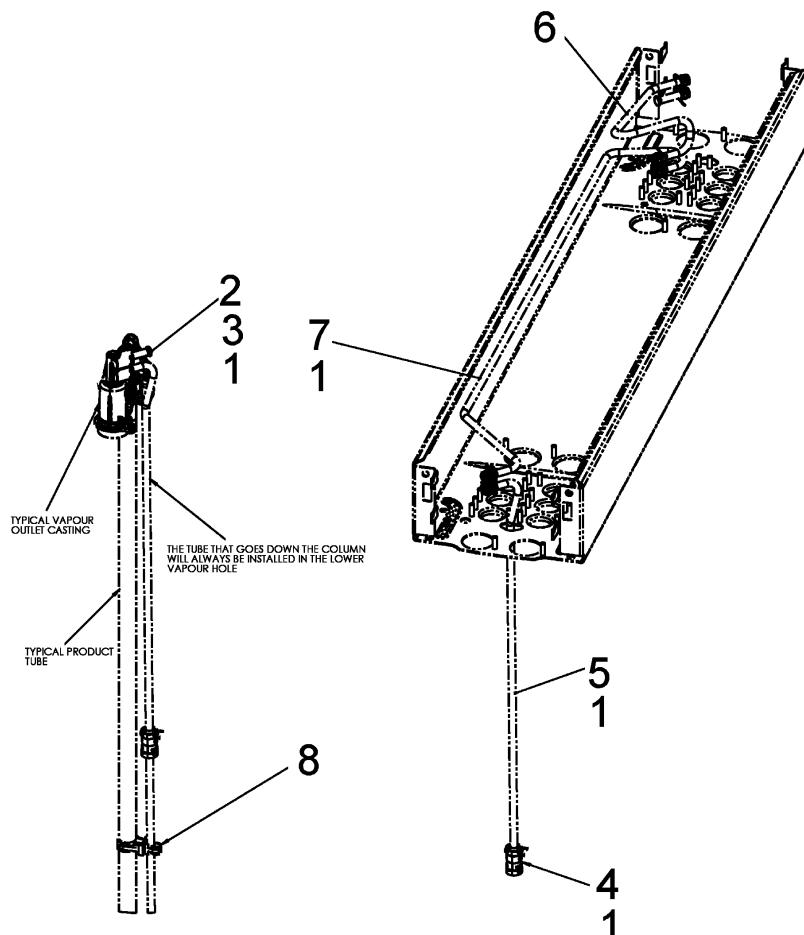


7.			
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No.	Part Number	Description	Amount
1		Support, box-shape top box	
	WM045983-F050	- 4 hoses	1
	WM045984-F050	- 8 hoses	1
	WM045985-F050	- Narrow	1
2	WM046882-F050	Column inner	

No.	Part Number	Description	Amount
3	WM045404	Seal	2
4	WM043586-0001	Taptite screw hex flange M8x20	8
5		Cover plate top box	
	WM046842-F050	- 4 hoses	1
	WM046842-F050	- 8 hoses	1
	WM046846-F050	- Narrow	1
6	WB000300-0002	Taptite screw hex flange M6x1	12
7	WM058397	Support, flat hose connectors	1

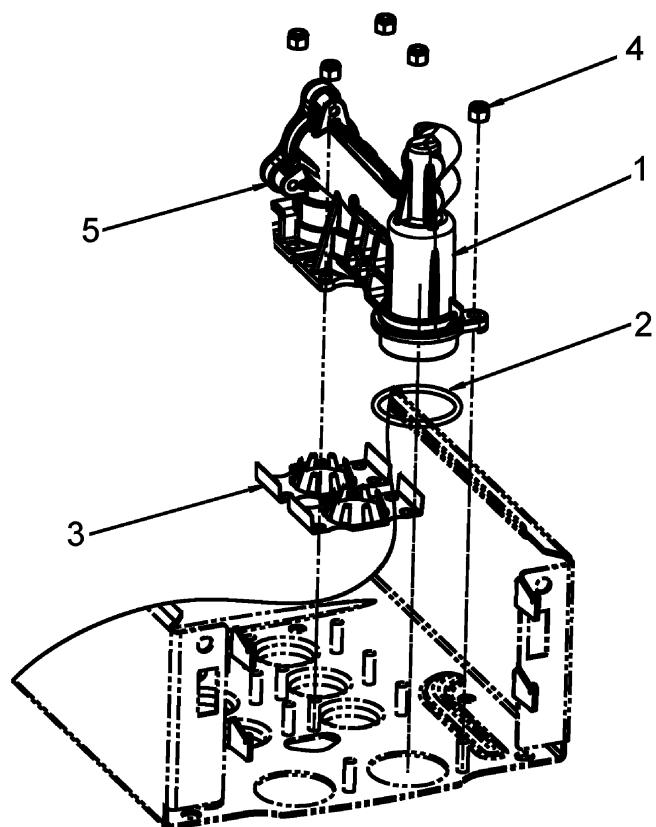
8.4.2 Top box vapor module



No.	Part Number	Description	Amount
1	WM012100	Pin	
2	WM031399	Plug	

No.	Part Number	Description	Amount
3	WM038241-0001	O-Ring	
4	WM042313	Coupling	
5	WM042401	Tube, vapor	
6	WM042408	Tube, vapor	
7	WM042412	Tube, vapor	
8	WM047426	Tube Clip	
see page 156	WB000346-0002	- Clip, for 24 tube, M6 fixing	1
see page 156	WB000346-0004	- Clip, for 10 tube, M6 fixing	1
see page 156	WM027467-0001	- Set screw, hexagon socket, M6 x16, flat point	1

8.5 Outlet casting module

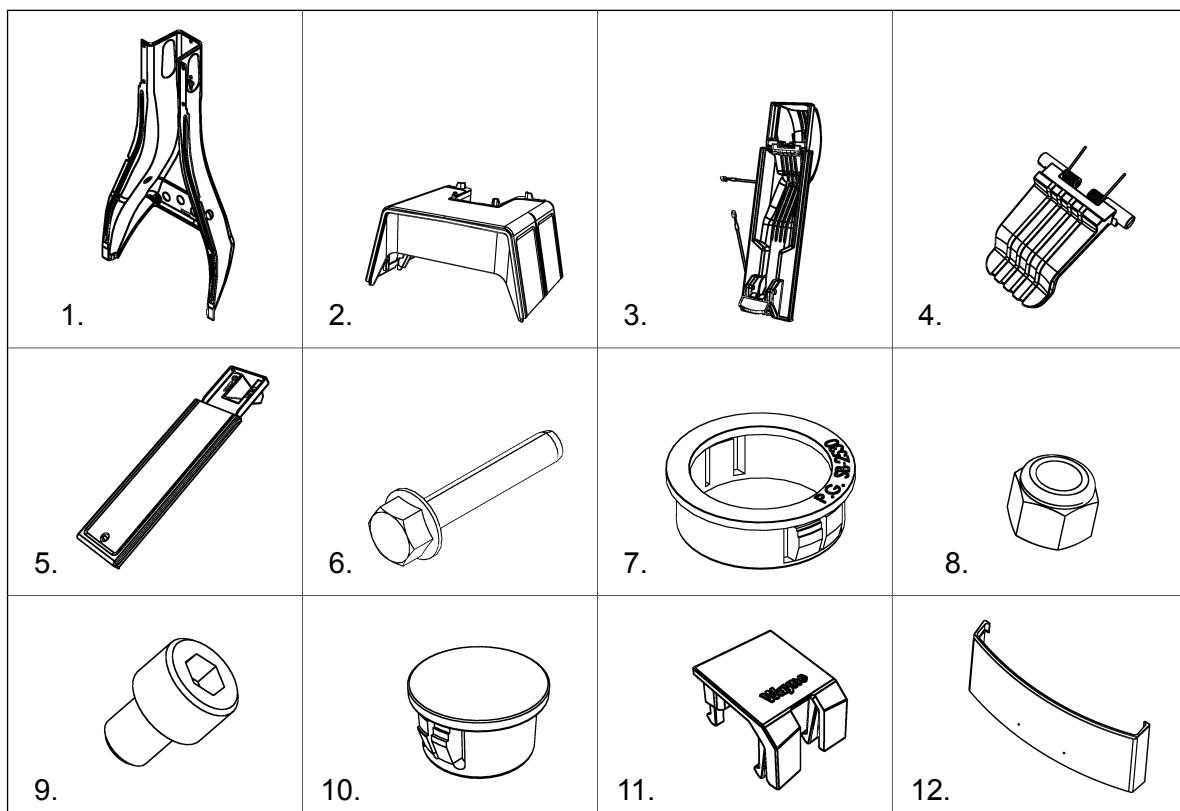


No.	Part Number	Description	Amount
1		Outlet Casting	
	WM040588	O-ring t=4, id=26	
	WM040755-0001	Coupling 1 inlet, 3/4" NPT - std	
	WM040755-0002	Coupling 1 inlet, 1" NPT - std	
	WM040755-0003	Coupling 1 inlet, M34 VR - std	
	WM040755-0010	Coupling 1 inlet, 3/4" NPT - impregnated	
	WM040755-0011	Coupling 1 inlet, 1" NPT - impregnated	
	WM040755-0012	Coupling 1 inlet, M34 VR - impregnated	
	WM040755-0028	Coupling 1 inlet, 3/4" NPT – hard anodized	
	WM040755-0029	Coupling 1 inlet, 1" NPT – hard anodized	
	WM040755-0039	Coupling 1 inlet, 3/4" NPT – hard anodized+impreg.	
	WM040755-0040	Coupling 1 inlet, 1" NPT – hard anodized+impreg.	
	WM040755-0053	Coupling 1 inlet, 3/4" NP, NI, impregnated	
	WM040755-0055	Coupling 1 inlet, 1" NPT, NI, impregnated	
	WM040755-0004	Coupling 2 inlet, 3/4" NPT - std	
	WM040755-0005	Coupling 2 inlet, 1" NPT - std	
	WM040755-0006	Coupling 2 inlet, M34 VR - std	
	WM040755-0013	Coupling 2 inlet, 3/4" NPT - impregnated	
	WM040755-0014	Coupling 2 inlet, 1" NPT - impregnated	
	WM040755-0015	Coupling 2 inlet, M34 VR - impregnated	
	WM040755-0054	Coupling 2 inlet, 3/4" NPT, NI, impregnated	
	WM040755-0056	Coupling 2 inlet, 1" NPT, NI, impregnated	
	WM040755-0007	Coupling 3 inlet, 3/4" NPT - std	
	WM040755-0008	Coupling 3 inlet, 1" NPT - std	
	WM040755-0009	Coupling 3 inlet, M34 VR - std	
	WM040755-0016	Coupling 3 inlet, 3/4" NPT - impregnated	
	WM040755-0017	Coupling 3 inlet, 1" NPT - impregnated	
	WM040755-0018	Coupling 3 inlet, M34 VR – impregnated	
	WM052858	Coupling high speed hose connector	

No.	Part Number	Description	Amount
	WU013054	Bushing reducer, 1" X 3/4" NPT, BLK	
2	WM045405	O-ring t=3,5; id=43	1
3	WM040393	Clip	1 - 3
4	WB000229-0003	Lock nut, M6	3, 5, 7
5	WM040588	O-ring t=4, id=26	1

8.6 Hose handling module

8.6.1 Hose handling module H-style

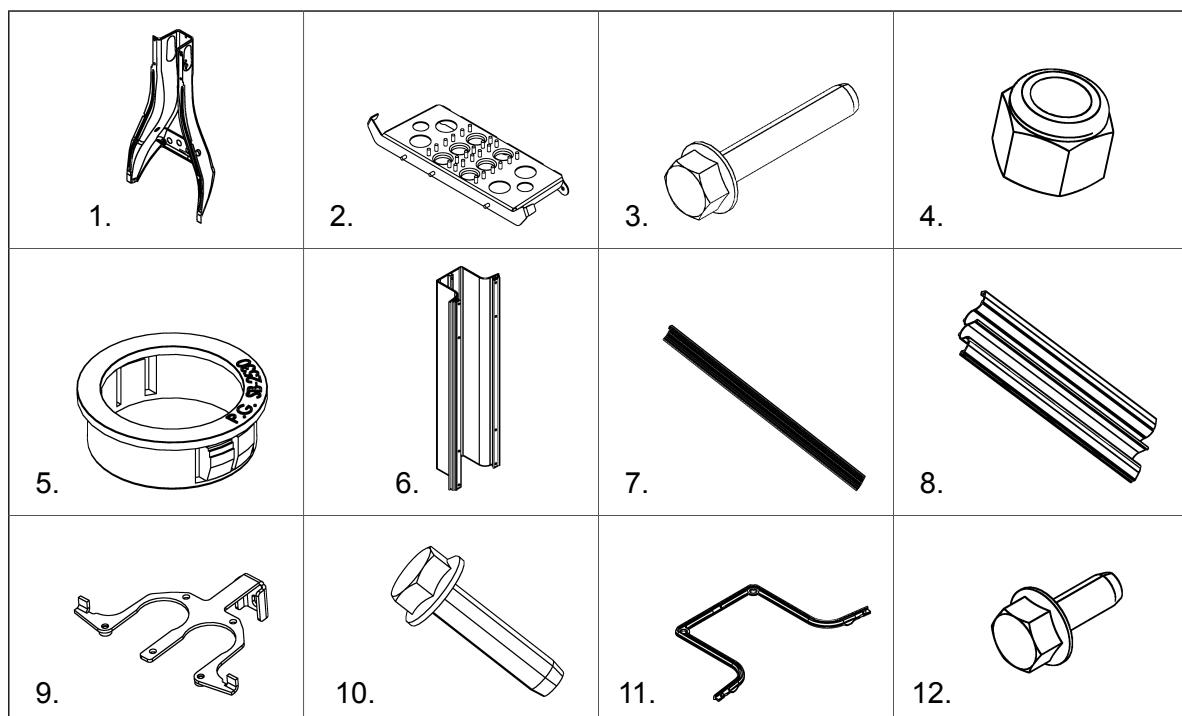


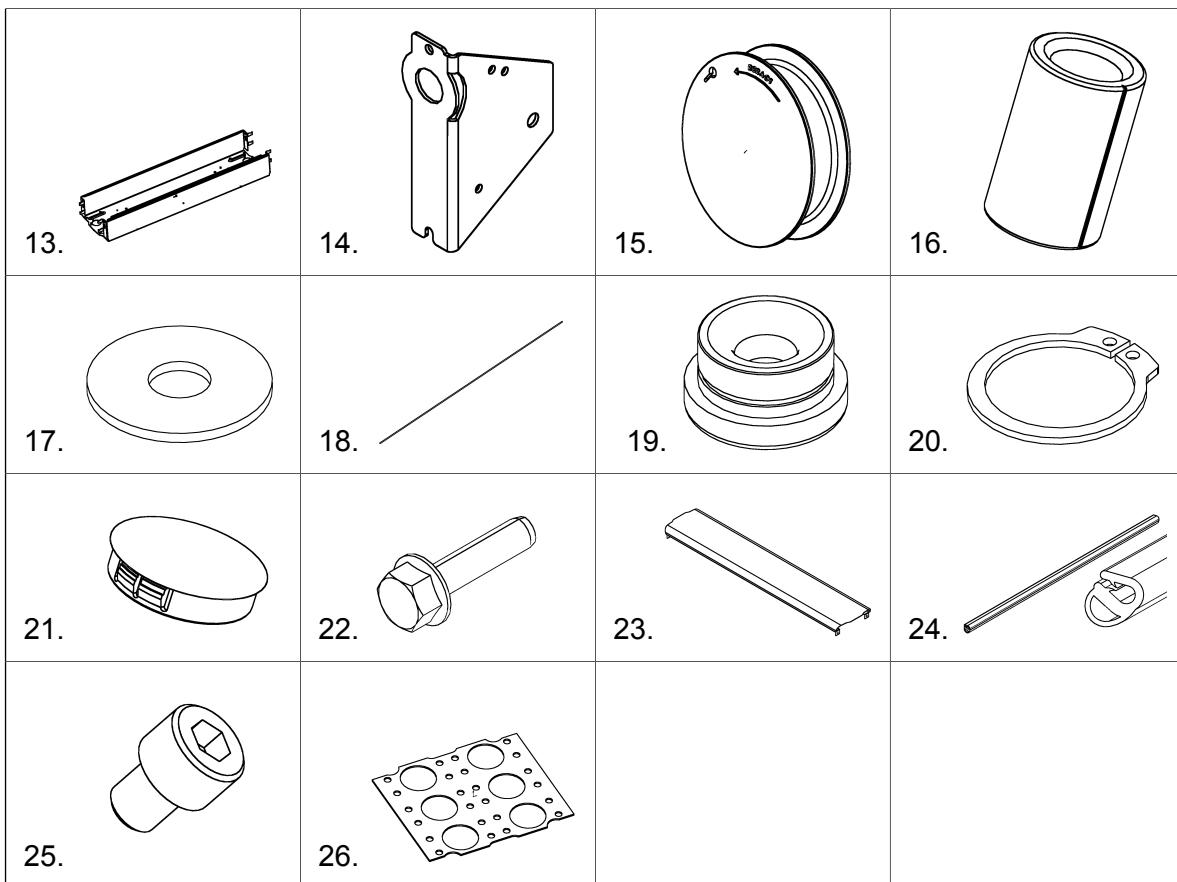
No.	Part Number	Description	Amount
1	WM041034	Column support	2
2		Nozzle boot roof with gasket	
	WM045830-0001	- Wide (on picture)	2
	WM045830-0002	- Narrow	2
	WM045705	- Small style	
3		Nozzle Boot	
	WM046376-0001	- Standard (on picture)	

No.	Part Number	Description	Amount
	WM046376-0002	- LTS	
4	WM046400-0001	Flap nozzle boot	
5	WM045957	Blank nozzle panel	
6	WM043586-0002	Screw M8x40 Taptite	4
7	WM042015	Edge protector	4
8	WB000229-0003	Lock nut M3	
9	WB000212-0004	Screw M8x30	
10	WM040251	Plug blank panel	
11	WM047260	Blank nozzle panel, moulded cover nozzle boot	
12	WM049239	Cover	2
	WM003174	- Adhesive tape, double-sided width=12mm x thickness=3mm	110mm

8.7 Hose retraction, H-style

8.7.1 Structure - H-style hose retraction

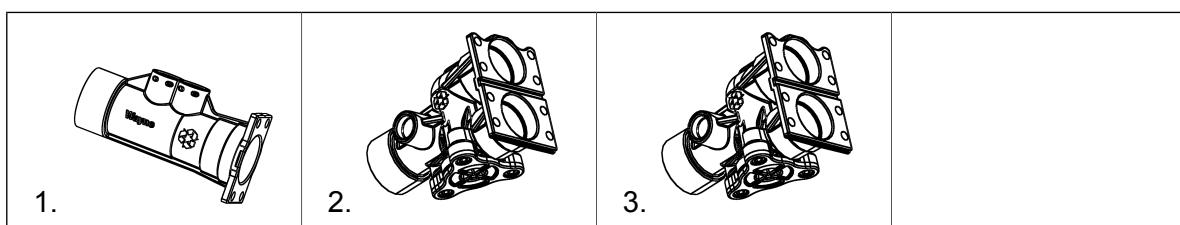




No.	Part Number	Description	Amount
1	WM041034	Column support	
2	WM041543	Support, box shape hose connector, retraction	
3	WM043586-0002	Taptite screw hexagon flange, M8x40	
4	WB000229-0003	Lock nut, M6	
5	WM042015	Grommet hole dia. 30 mm, T= 1-3,1mm	
6		Column inner	
	WM046882-F050	- std, l=778 mm, grey F050	
	WM050898-F050	- l=776 mm, hose retraction, painting instruction	
	WM051027-F050	- l=776 mm, hose retraction, one hole, painting instruction	
7	WM044501-0001	Profile edge protector column l=738,5	
8	WM050863-F050	Column, outer, retraction, l=738,5, painting instruction	
9	WM044489	Support, U-shape bottom, column	

No.	Part Number	Description	Amount
10	WM051725	Taptite screw, hexagon flange, M5x20	
11	WM045404	Profile sealing	
12	WB000300-0002	Screw, hex head with flange, M6x12 taptite	
13		Support, box shape top box retraction	
	WM050801-F050	- Narrow, painting instruction	
	WM050803-F050	- Wide 4, painting instruction	
	WM050851-F005	- Wide 8, painting instruction	
14	WM039643	Support, L-shape retraction reel	
15	WM001585	Retractor reel	
16	WM039648	Cable socket splice, solis para 12-10	
17	WB000627-0004	Washer, plain, M3, large, id=3.2, od=9, t=0.8	
18	WM039649	Cord retraction reel	
19	WM039659	Bushing guide cord	
20	WM039661	Retaining ring, external shaft=25 dia., id=23,2, t=1.2	
21	WM040161	Plug dome, dia=45mm, t=1,2 - 3,2mm	
22	WM043586-0001	Taptite screw hexagon flange, M8x20	
23		Cover plate top box cover	
	WM046842-F050	- Wide, grey F050	
	WM046846-F050	- Narrow, grey F050	
24	WM044285-0001	Gasket grip range 1.0 - 2.0 thk, l=300 mm	
25	WB000212-0004	Screw, hexagon socket cap, M8x30	
26	WM058397	Support, flat hose connectors	

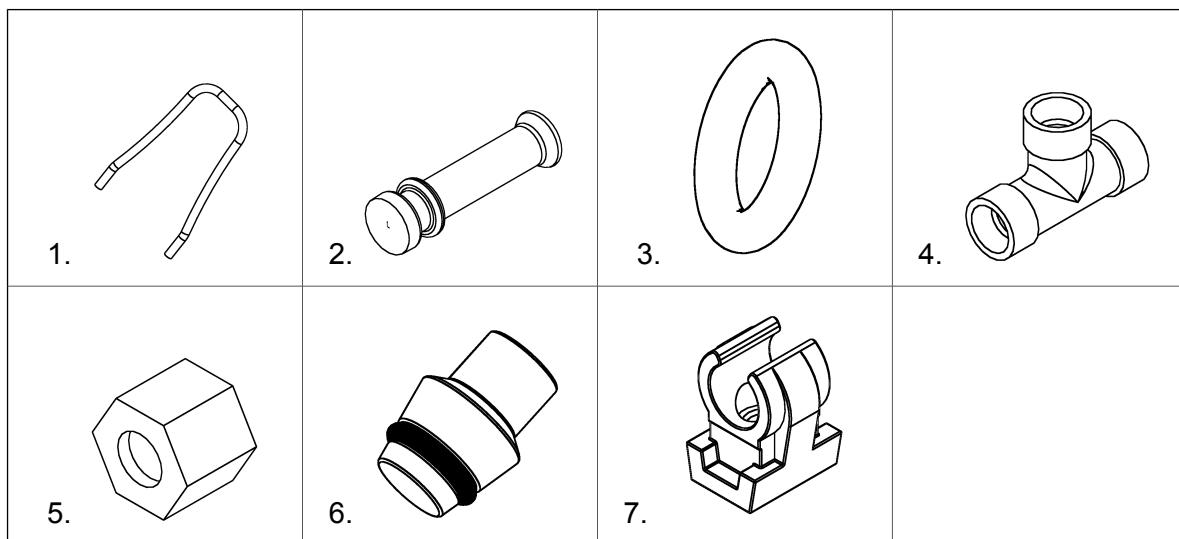
8.7.2 Hose connection - H-style hose retraction



No.	Part Number	Description	Amount
1		Coupling 1 inlet	

No.	Part Number	Description	Amount
	WM041939-0001	- 3/4" NPT - std	
	WM041939-0002	- 1" NPT - std	
	WM041939-0003	- M34 VR - std	
	WM041939-0004	- 3/4" NPT - impreg.	
	WM041939-0005	- 1" NPT - impreg.	
	WM041939-0006	- M34 VR - impreg.	
2		Coupling 2 inlet	
	WM049823-0001	- 3/4" NPT - std	
	WM049823-0002	- 1" NPT - std	
	WM049823-0003	- M34 VR - std	
	WM049823-0007	- 3/4" NPT - impreg.	
	WM049823-0008	- 1" NPT - impreg.	
	WM049823-0009	- M34 VR - impreg.	
3		Coupling 3 inlet	
	WM049823-0004	- 3/4" NPT - std	
	WM049823-0005	- 1" NPT - std	
	WM049823-0006	- M34 VR - std	
	WM049823-0010	- 3/4" NPT - impreg.	
	WM049823-0011	- 1" NPT - impreg.	

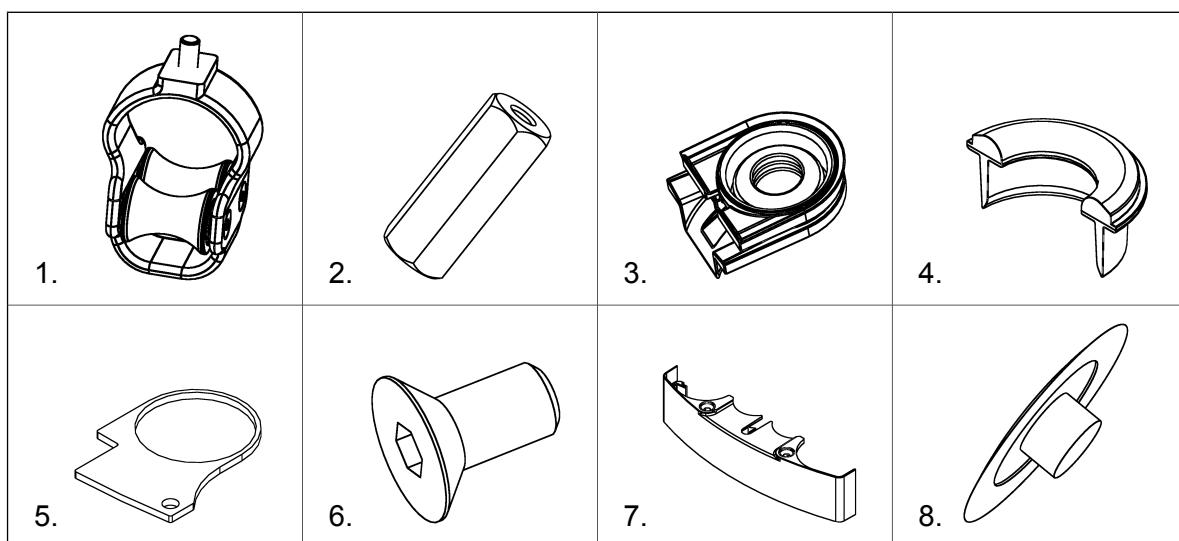
8.7.3 Vapor recovery - H-style hose retraction



No.	Part Number	Description	Amount
1	WM012100	Pin	
2	WM031399	Plug D=10, L=50	
3	WM038241-0001	O-ring T=3.0 ID=9.5	
4	WM051554	Coupling, T-coupling d=10	
5	WM020448	Nut for 10mm diameter tubing	
6	WM020598	Plug d=10	
7	WB000346-0004	Clip, for 10 tube, M6 fixing	
	WM050727	Tube, vapour, side A id/od 8/10 narrow (three inlet - T-coupling)	
	WM050732	Tube, vapour, side A id/od 8/10 narrow (one inlet - T-coupling)	
	WM050734	Tube, vapour, side A id/od 8/10 narrow (two inlet - T-coupling)	
	WM050736	Tube, vapour, side A id/od 8/10 narrow (one inlet - T-coupling)	
	WM050738	Tube, vapour, side A id/od 8/10 wide (three inlet - T-coupling)	
	WM050740	Tube, vapour, side A id/od 8/10 wide (one inlet - T-coupling)	
	WM050742	Tube, vapour, side A id/od 8/10 wide (two inlet - T-coupling)	
	WM050744	Tube, vapour, side A id/od 8/10 wide (one inlet - T-coupling)	
	WM050746	Tube, vapour, side A id/od 8/10 wide (one inlet - T-coupling)	
	WM050749	Tube, vapour, side A id/od 8/10 wide (two inlet - T-coupling)	
	WM050751	Tube, vapour, side B id/od 8/10 narrow (one inlet - T-coupling)	
	WM050753	Tube, vapour, side B id/od 8/10 narrow (three inlet - T-coupling)	
	WM050755	Tube, vapour, side B id/od 8/10 narrow (one inlet - T-coupling)	
	WM050757	Tube, vapour, side B id/od 8/10 narrow (two inlet - T-coupling)	

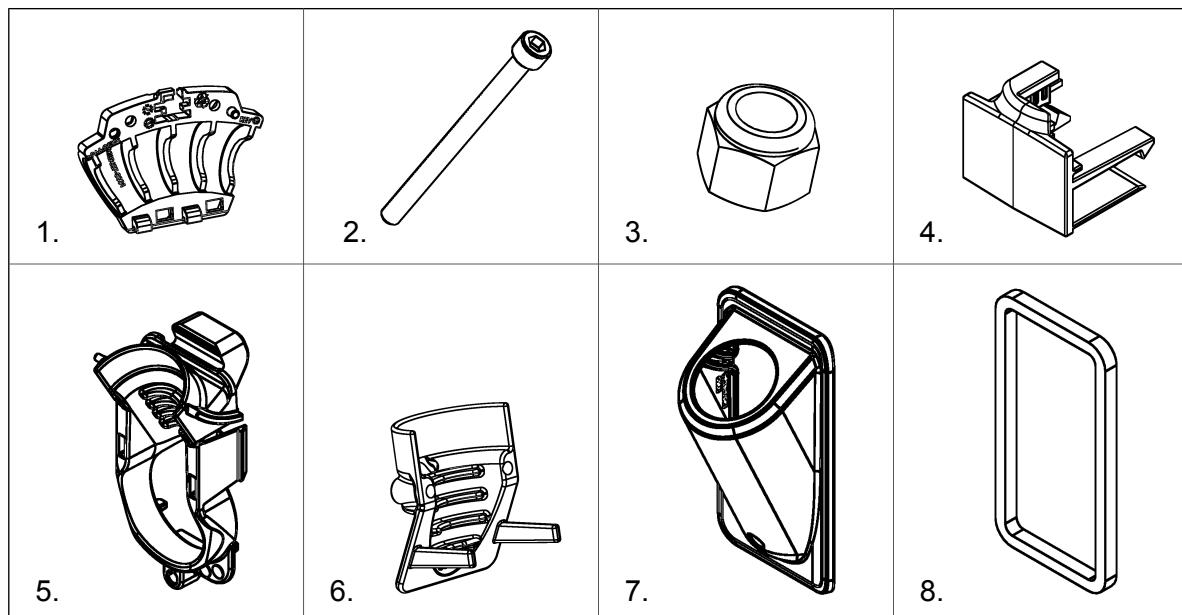
No.	Part Number	Description	Amount
	WM050759	Tube, vapour, side B id/od 8/10 wide (one inlet - T-coupling)	
	WM050761	Tube, vapour, side B id/od 8/10 wide (two inlet - T-coupling)	
	WM050763	Tube, vapour, side B id/od 8/10 wide (three inlet - T-coupling)	
	WM050765	Tube, vapour, side B id/od 8/10 wide (one inlet - T-coupling)	
	WM050767	Tube, vapour, side B id/od 8/10 wide (two inlet - T-coupling)	
	WM050769	Tube, vapour, side B id/od 8/10 wide (one inlet - T-coupling)	
	WM051748	Tube, vapour, side A id/od 8/10 wide (one inlet - T-coupling)	
	WM051755	Tube, vapour, side B id/od 8/10 wide (one inlet - T-coupling)	
	WM051757	Tube, vapour, side A id/od 8/10 wide (two inlet - T-coupling)	
	WM051759	Tube, vapour, side B id/od 8/10 wide (two inlet - T-coupling)	
	WM050774	Tube, vapour id/od 8/10 (one inlet - one inlet)	
	WM050776	Tube, vapour id/od 8/10 (one inlet - two inlet)	

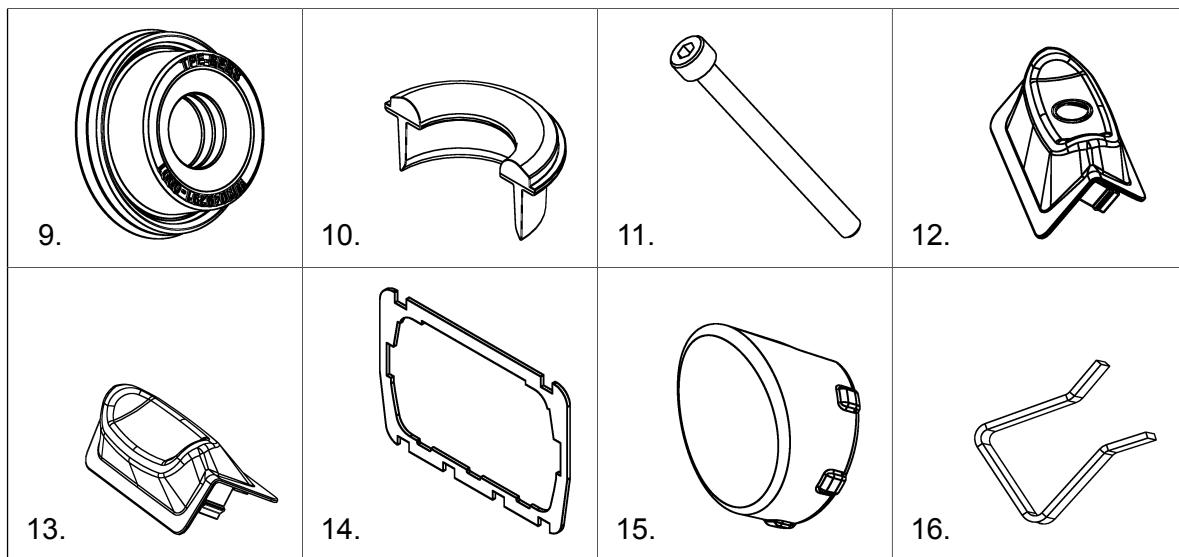
8.7.4 Hose outer outlet - H-style hose retraction



No.	Part Number	Description	Amount
1	WM018918-0001	Ring with pulley, hose handling M8	
2	WM051532	Coupling, straight cord	
3		Seal hose outlet	
	WM039713-0001	- Sealed	
	WM039713-0002	- 16 mm	
	WM039713-0003	- 19mm, 21mm, VR	
	WM039713-0004	- 25mm	
4		Spacer hose outlet	
	WM051353-0001	- 16mm	
	WM051353-0002	- 21mm	
	WM051353-0003	- 25mm	
5	WM051720-F050	Support flat, gasket support, single painting instruction	
6	WB000647-0003	Screw, csk socket cap, M6x20	
7	WM050907-F050	Moulded cover, painting instruction	
8	WM051367	Cap hexagon socket screw, t25, d=14,5, RAL7021	

8.7.5 Hose inner outlet - H-style hose retraction

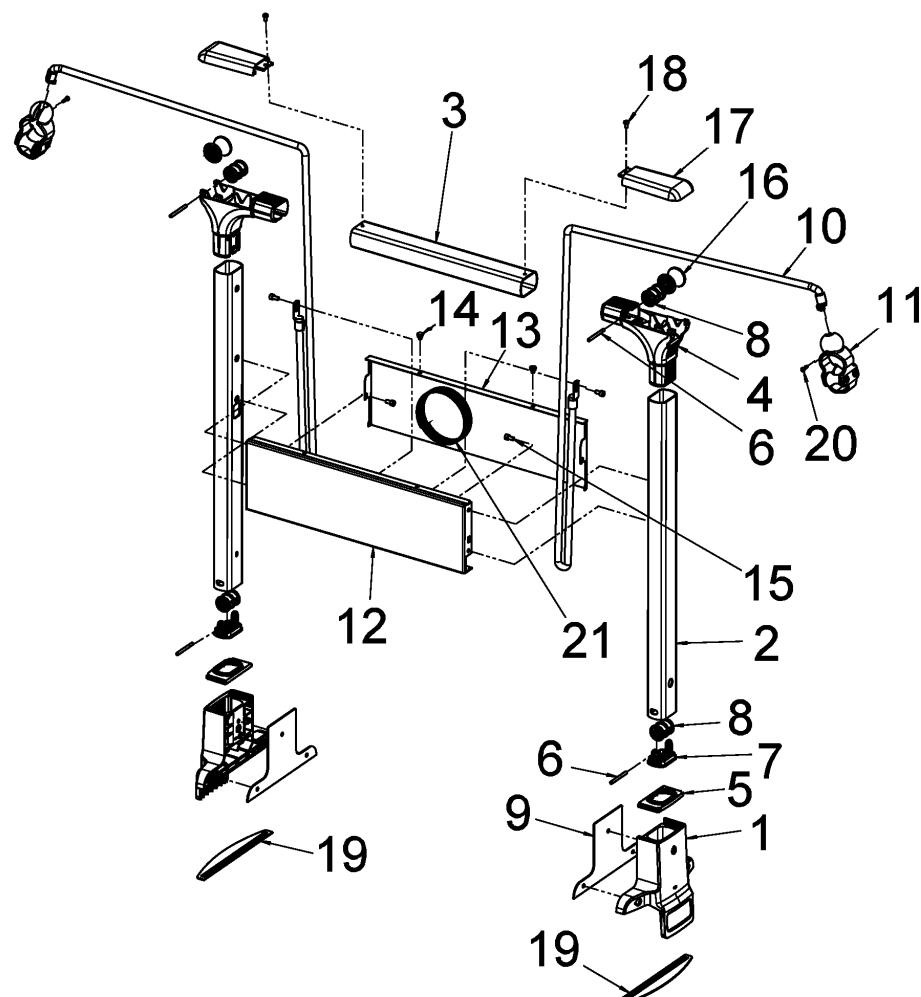




No.	Part Number	Description	Amount
1		Clamp hose retraction	
	WM039687-0001	- id=24,5	
	WM039687-0002	- id=27,1	
	WM039687-0003	- id=29,8	
2	WB000211-0001	Screw, hexagon socket cap, M6x16	
3	WB000229-0003	Lock nut, M6	
4	WM049836	Plug hose clamp (use glue WM045798)	
5		Clamp hose outlet, inner	
	WM048631-0001	- Ø16	
	WM048631-0002	- Ø19-21	
6		Clamp hose outlet, inner	
	WM048633-0001	- Ø16	
	WM048633-0002	- Ø19-21	
7		Cover hose outlet	
	WM048641-0001	- Left	
	WM048641-0002	- Right	
8	WM048644	Gasket	
9		Seal hose outlet	
	WM049291-0001	- Ø16	
	WM049291-0002	- Ø19-21	

No.	Part Number	Description	Amount
10		Spacer hose outlet	
	WM051353-0001	- 16mm	
	WM051353-0002	- 21mm	
11		Screw, hexagon socket cap	
	WB000209-0002	- M4x20	
	WB000209-0004	- M4x35	
12	WM045514-0001	Moulded, cover guide	
13	WM045514-0002	Moulded, cover (blind)	
14	WM057478-0002	Gasket	
15	WM049472	Plug	
16	WB000391	Clip	

8.8 Hose mast Helix 1000

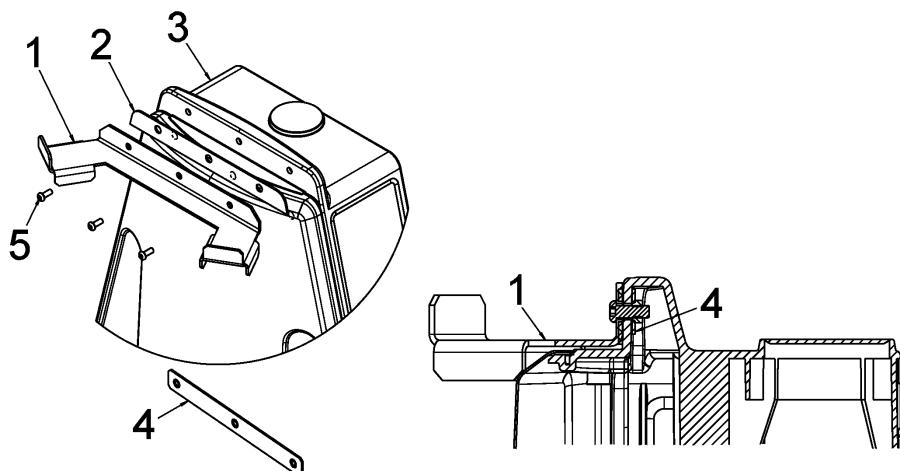


No.	Part Number	Description	Amount
1	WM059160-F050	Moulded support, hose retr. grey	2/2
	WB000211-0001	Screw, hexagon socket cap, M6x16 (for mounting to electronic head)	2/2
	WB000211-0011	Screw, hexagon socket cap, M6x25 (for mounting to electronic head)	4/4
	WM059018-0001	Plug dome, Ø11.9, dark grey (for mounting to electronic head)	6/6
2	WM056354-F050	Profile l=694, grey	2/2
3	WM056353-F050	Profile l=397.4, grey	1/1
4	WM050438	Moulded, housing	2/2
5	WM059166	Seal hose retraction profile	2/2
6	WM050446-0001	Pin D=5, L=54	4/2

No.	Part Number	Description	Amount
7	WM059149	Moulded support wheel	2/1
8	WM059151	Moulded wheel, double od=32, id=14	4/2
9	WM059165	Gasket hose retraction support	2/2
10	WM059201	Cord l=1305	2/1
	WM061046	Cord (LPG)	2/1
	WM061051	Braking knot, LPG	2/1
11	WM059154	Ring with pulley, hose handling	2/1
12	WM059143-F050	Support, box shape column support, grey	1/1
13	WM059146-F050	Support, U-shape column support cover, grey	1/1
14	WB000339-0003	Plastic fastener rivet, d=6, thickness range 2.5 - 4.0 thk black	2/2
15	WB000211-0004	Screw, hexagon socket cap, M6x12	4/4
16	WM056855	Wheel od=40, id=14, with metal pin	2/1
17	WM050439	Moulded, cover	2/2
18	WM046675-0002	Taptite screw, Torx, pan head, M5x10	2/2
19	WM053087	Gasket hose hook, bottom	2/2
20	WM045329-0002	Self tapping screw, Torx, pan head	2/1
21	WM059723	Cord l=1800	1/1

Quantity per pump; double sided/single sided

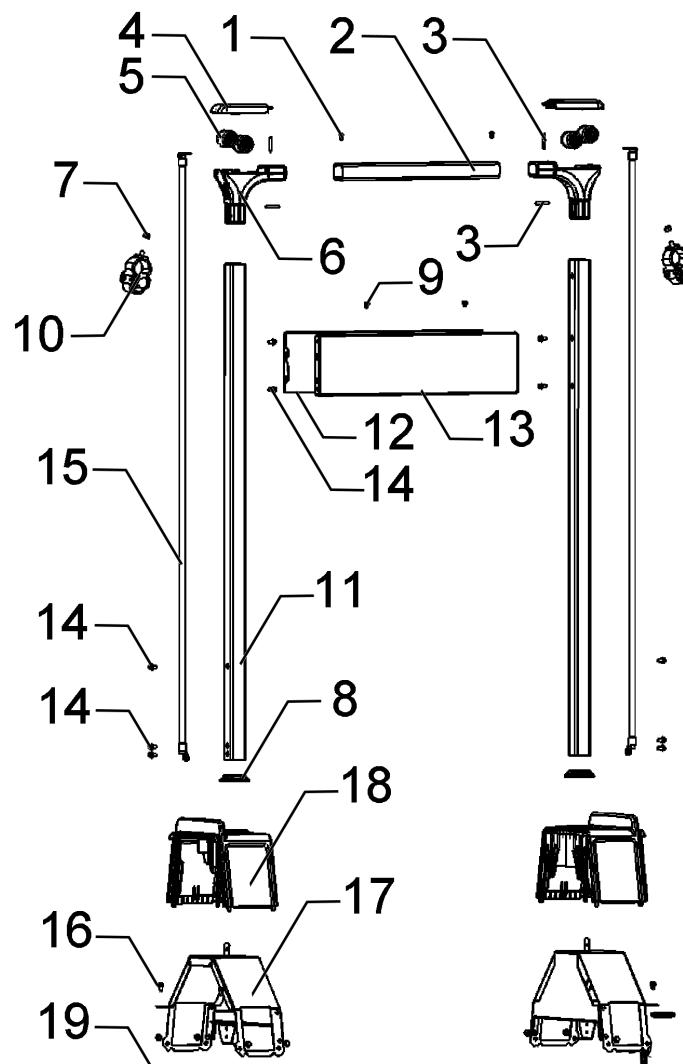
8.9 Hose hook, Helix 2000



Note! Only for Helix 2000 with four hoses.

No.	Part Number	Description	Amount
1	WR001986	Support L-shape, Hose hook	1
2	WR001995	Gaske hose hook	1
3	WR001991	Moulded housing, nozzle boot roof, hose hook	1
4	WB000652-0001	Screw, hexagon socket button, M6x16	3
5	WR001988	Support flat, hose hook	1

8.10 Hose retraction, Helix 2000



No.	Part Number	Description	Amount
1	WM046675-0002	Taptite screw, Torx, pan head, M5x10	2
2	WM055585-F050	Profile I=421.3, grey F050	1

No.	Part Number	Description	Amount
3	WM050446	Pin d=5, l=35.5	4
4	WM050439	Moulded, cover	2
5	WM056855	Wheel od=40, id=14, with metal pin	4
6	WM050438	Moulded, housing	2
7	WB000229-0004	Lock nut, M8	2
8	WM047374	Gasket top cover	2
9	WB000339-0003	Plastic fastener rivet, d=6, thickness range 2.5-4.0 THK	2
10	WM018918-0001	Ring with pulley, hose handling	2
11	WM055579-F050	Profile l=1225, grey F050	2
12	WM055588-F050	Support, U-shape column support cover, grey F050	1
13	WM055586-F050	Support, box shape column support, grey F050	1
14	WM019873-0001	Screw, hex head, M6x12, with flange	10
15	WM054021-0002	Cord l=1500	2
16	WB000300-0002	Taptite screw, hexagon flange, M6x12	12
17	WM046692	Support, box shape retraction tube	2
18	WM054200	Housing nozzle boot roof, hose retraction	2
19	WM053740	Seal hose connection	2

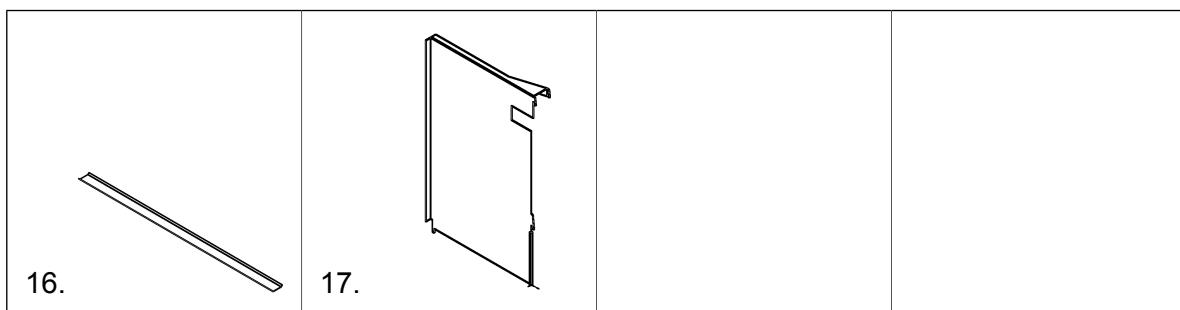
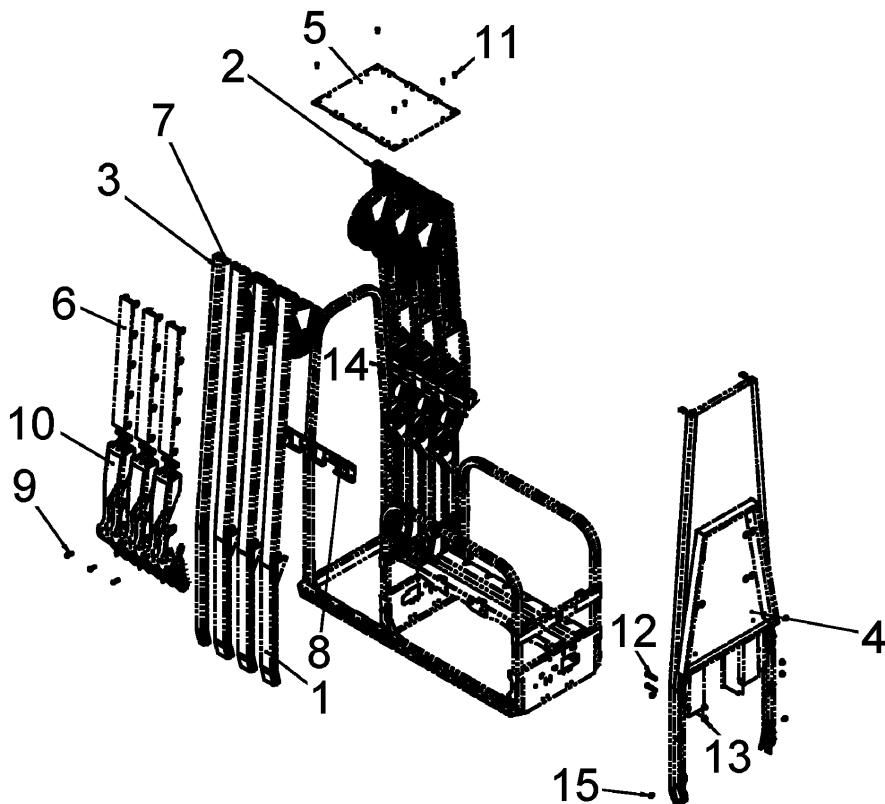
8.11 Small pump hose connection

No.	Part Number	Description	Amount
1	WB000229-0004	Lock nut, M8	
2	WM046077-0001	Coupling hose connector 3/4" NPT std	
3	WM046077-0002	Coupling hose connector 1" NPT std	
4	WM046077-0003	Coupling hose connector M34 VR std	
5	WM046077-0019	Coupling hose connector, M34 VR, ATEX	
6	WM046077-0004	Coupling hose connector 3/4" NPT impregnated	
7	WM046077-0005	Coupling hose connector 1" NPT impregnated	

No.	Part Number	Description	Amount
8	WM046077-0006	Coupling hose connector M34 VR impregnated	
9	WM046077-0020	Coupling hose connector, M34 VR, ATEX, impregnated	
10	WM046077-0024	Coupling hose connector, M34 VR, ATEX, Hard impregnated	
11	WM045782-0001	Raw casting, coupling std	
12	WM045782-0002	Raw casting, coupling impregnated	
13	WM045782-0006	Raw casting, coupling hard anodized + impregnation	
14	WM020496	O-ring T=4, ID=41	
15	WM045928-0001	Moulded cover hose connector, up, right side	
16	WM045929-0001	Moulded cover hose connector, down, right side	
17	WM045929-0002	Moulded cover hose connector, down, left side	
18	WM046814-0001	Cap torx screw, T25, D= 13,5, RAL 7021	
19	WM046675-0001	Taptite screw, torx, pan head, M5x8	

8.12 Helix 6000, Hose handling

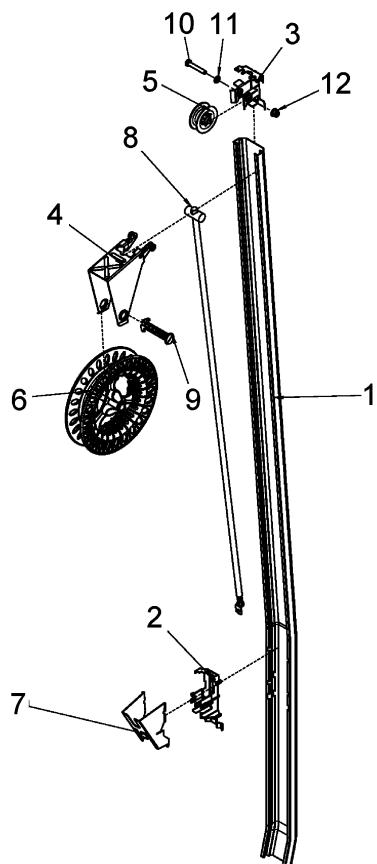
8.12.1 Assembly instruction, HHR



No.	Part Number	Description	Amount
1	WM053155	Column, HHR (see also page 182)	1-10
2	WM053883-A040	Corner column, side B, outwards	1
3	WM053884-A040	Corner column, side A, outwards	1
4	WM054703	Panel (see also page 184)	1
5	WM051850-F050	Top panel, hose handling, 3 modules, grey	1
6	WM054908-0002	Side panel, l=646,5	1
7	WM050318	Nut, speed nut, M6	4
8		Support, U-shape	

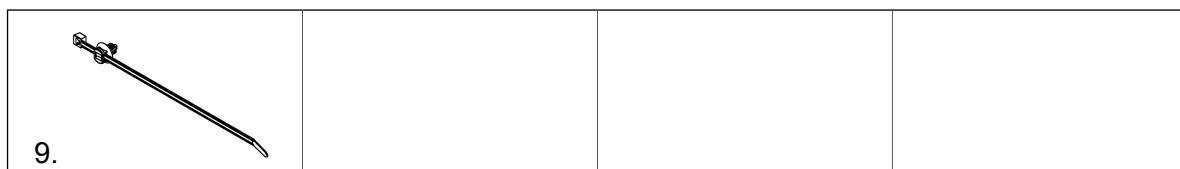
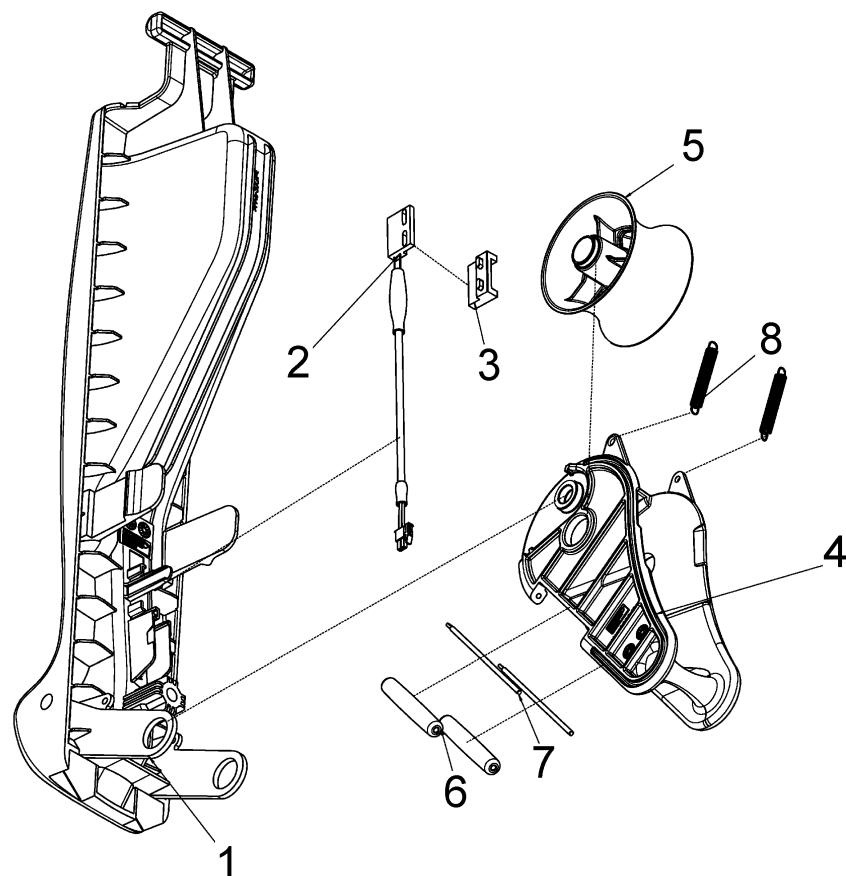
No.	Part Number	Description	Amount
	WM046559-0001	- 1 hose	
	WM046559-0002	- 2 hose	
	WM046559-0003	- 3 hose	
	WM046559-0004	- 4 hose	
	WM046559-0005	- 5 hose	
9	WB000370-0001	Screw, hexagon socket button, M8,x30, with tuflok locking patch	1-10
10	WM055145	Nozzle boot, auto on, HHR (see also page 183)	1-10
11	WB000652-0001	Screw, hexagon socket button, M6*16	6
12	WM042062-0001	Screw, hex head, M8 x 50	4
13	WM023307-0001	Lock nut, M8	4
14	WM043586-0002	M8 taptite	4
15	WB000300-0002	Taptite screw, hexagon flange, M6*12	4
16	WM058159	Support flat, used as a distans in the columns for HHR	1-10
17		Blind panel, divider panel	
	WM058171-0001	- 1 module	1
	WM058171-0002	- 2 modules	1
	WM058171-0003	- 3 modules (on picture)	1
	WM058171-0004	- 4 modules	1
	WM058171-0005	- 5 modules	1

8.12.2 Column, HHR



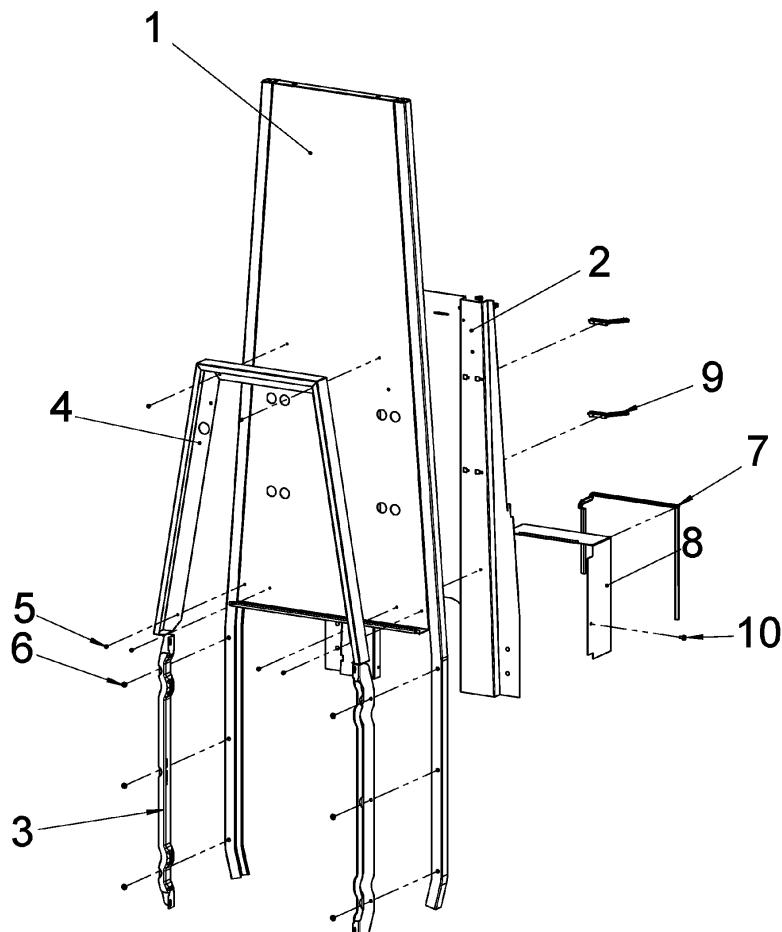
No.	Part Number	Description	Amount
1	WM056002-A040	Column, HHR	1
2	WM055235	Support, U-shape	1
3	WM055947	Support, box shape Helix	1
4	WM051785	Support, box shape assembly	1
5	WM028144	Wheel d=55	1
6	WM028140	Wheel d=239	1
7	WM055766	Support, U-shape	1
8	WM029945	Cord, l=1150	1
9	WM044481	Spring, pin, diam=15, l=70	1
10	WM042062-0001	Screw, hex head, M8*50	1
11	WB000232-0004	Washer, plain, M8	1
12	WM023307-0001	Lock nut, M8	1

8.12.3 Nozzle boot, auto on, HHR



No.	Part Number	Description	Amount
1	WM054916-0002	Nozzle boot, auto-on	1
2	WM055702-0001	Magnetic reed 2-wire normally close cable l=2500	1
3	WM054424	Moulded, nozzle holder	1
4	WM028141	Bracket, wheel, nozzle boot	1
5	WM025573	Wheel, d=85	1
6	WM028145	Bushing, roller, l=66	2
7	WM030068	Lock pin, l=100	2
8	WM030544	Spring, l0=47,6	2
9	WM060866	Cable tie, with spruce top bracket, 4,6W x 174L	

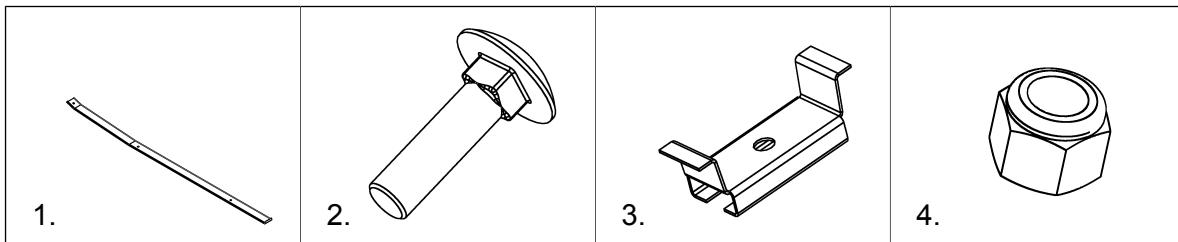
8.12.4 Panel, HHR



No.	Part Number	Description	Amount
1	WM054499-A040	Side panel h=1295,5, silver	1
2	WM058141	Support, U-shape l=970	1
3	WM046999-F050	Deep drawn side panel assembly bracket, gray	2
4	WM052168-F050	Panel h=686,2, grey	1
5	WT000398-0001	Pop rivet, dome head, 4.0 diameter x8, grip range 1.5-3.5 closed end	6
6	WM044310-0001	Pop rivet, dome head 6 diameter x10, grip range 2-4 mm	6
7	WM044285-0002	Gasket, grip range 1.0-2.0 thk, l=507 mm	1
8	WM059651	Support, U-shape, rain shield	1
9	WB000595	Cable tie, mounting base	6
10	WT001977	Taptite screw, hexagon flange, M5x10	2

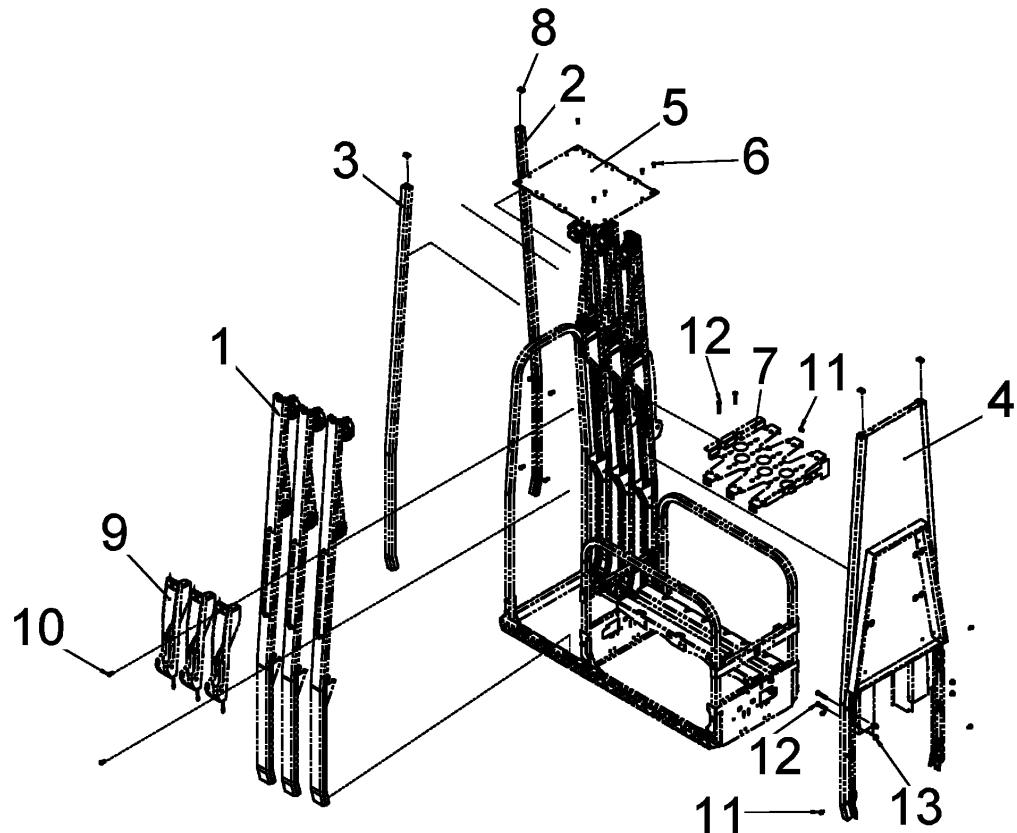
No.	Part Number	Description	Amount
---	WB000337-0002	Cable tie	6

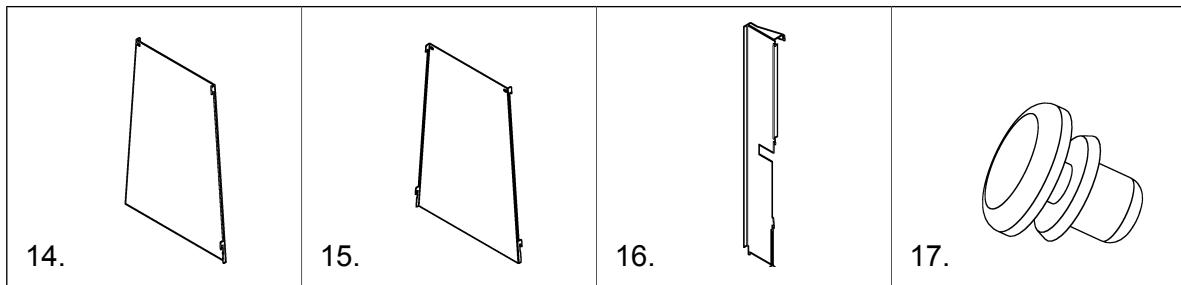
8.12.5 Column, single side



No.	Part Number	Description	Amount
1	WM058273-A040	Cover plate, column, single side	1
2	WB000676-0002	Screw, carriage bolt, M8x25	3
3	WM058289	Support, box shape, single side	3
4	WB000229-0004	Lock nut, M8	3

8.12.6 Assembly instruction, HH

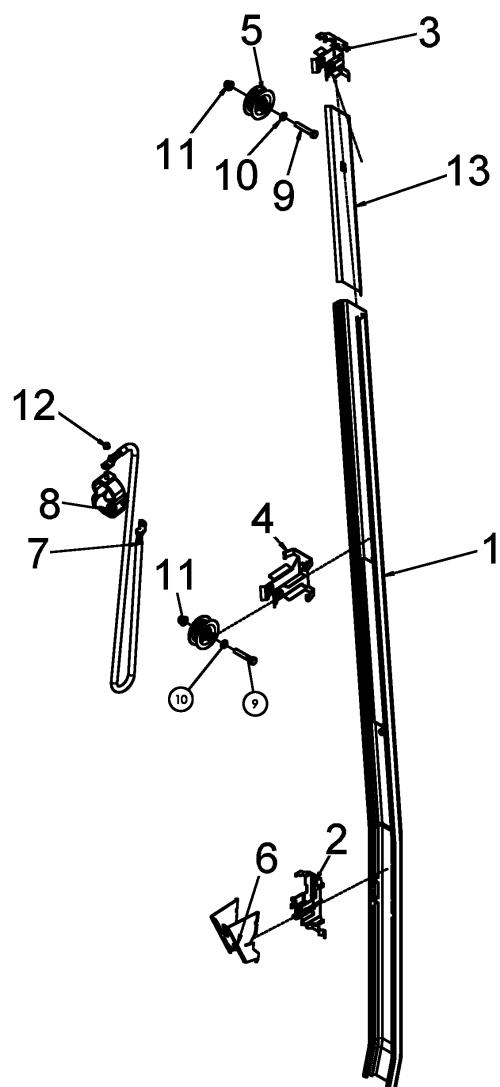




No.	Part Number	Description	Amount
1	WM053196	Column, HH (see also page 187)	1-10
2	WM053883-A040	Corner column, side B, outwards	1
3	WM053884-A040	Corner column, side A, outwards	1
4	WM054703	Panel (see also page 189)	1
5	WM051850-F050	Top panel, hose handling, 3 modules, grey	1
6	WB000652-0001	Screw, hexagon socket button, M6*16	6
7		Support, flat	1
	WM057244-F050	- 1 hose	
	WM057250-F050	- 2 hose	
	WM057253-F050	- 3 hose	
	WM057256-F050	- 4 hose	
	WM057257-F050	- 5 hose	
8	WM050318	Nut, speed nut, M6	4
9	WM055217	Nozzle boot, auto on, HH (see also page 188)	1-10
10	WB000370	Screw, hexagon socket button, M8x20, with tuflok locking patch	2-20
11	WB000300-0002	Taptite screw, hexagon flange, M6*12	4
12	WM042062-0001	Screw, hex head, M8*50	6
13	WM023307-0001	Lock nut, M8	4
14	WM054009	Blind panel, insight cover	
15	WM055774	Blind panel, insight cover	
		Blind panel, hose handling, HH	
16	WM058196-0001	- 1 Module	
	WM058196-0002	- 2 Modules	

No.	Part Number	Description	Amount
	WM058196-0003	- 3 Modules (on picture)	
	WM058196-0004	- 4 Modules	
	WM058196-0005	- 5 Modules	
17	WB000339-0003	Plastic fastener	

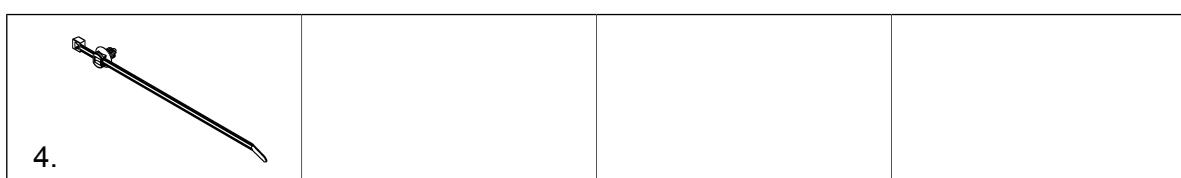
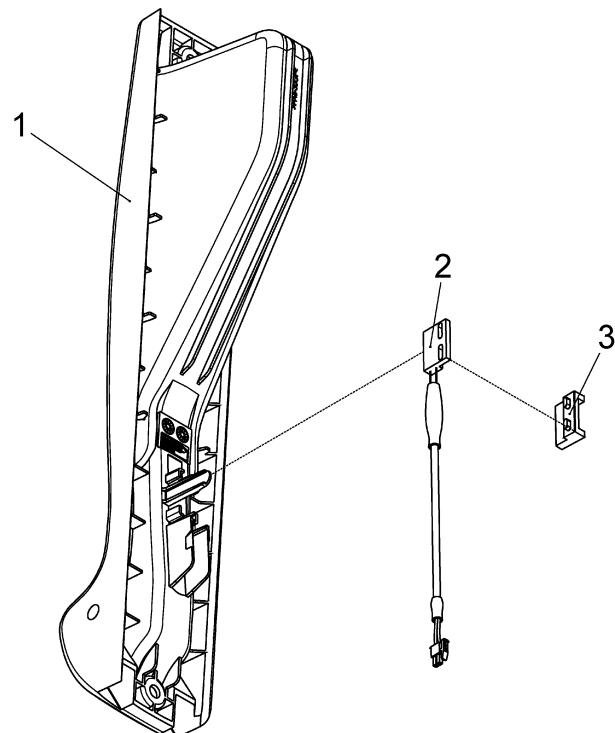
8.12.7 Column, HH



No.	Part Number	Description	Amount
1	WM056086-A040	Column, HH	1
2	WM055235	Support, U-shape	1
3	WM055947	Support, box shape	1
4	WM058177	Support, U-shape	1

No.	Part Number	Description	Amount
5	WM028144	Wheel d=55	2
6	WM055766	Support, U-shape	1
7	WM032347	Cord, l=1000	1
8	WM018918	Ring, with pulley, hose handling	1
9,10,11	WM058002	Lock pin	1
12	WB000229-0003	Lock nut, M6	1
13	---	Not used	1

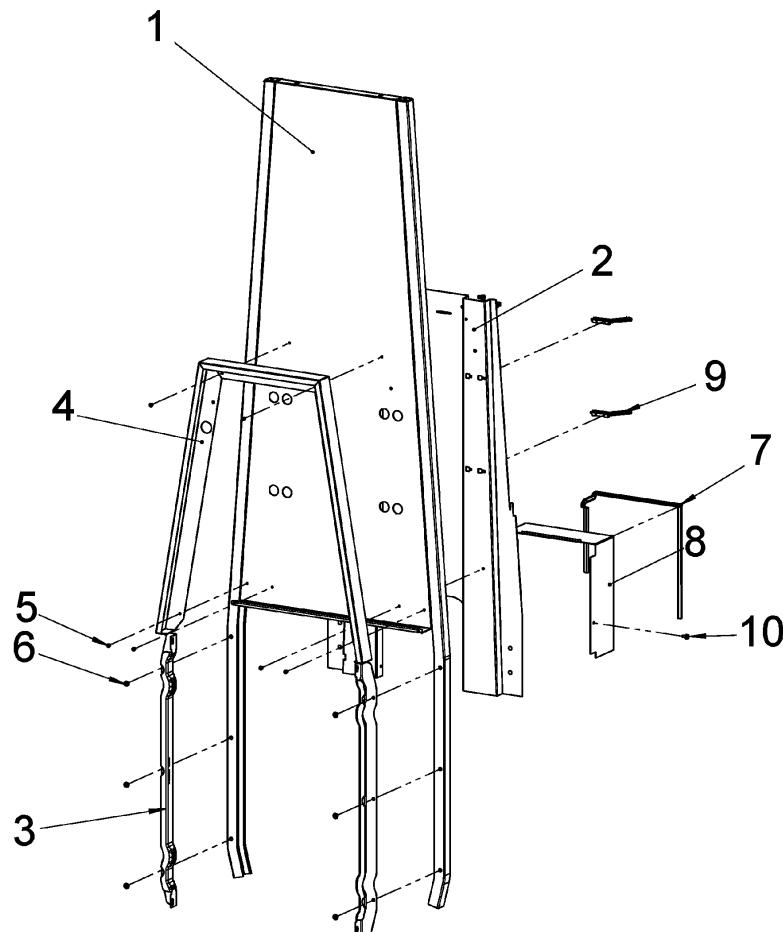
8.12.8 Nozzle boot, auto on, HH



No.	Part Number	Description	Amount
1	WM054917-0002	Nozzle boot, auto-on	1
2	WM055702-0001	Magnetic reed 2-wire normally close cable l=2500	1
3	WM054424	Moulded nozzle holder	1

No.	Part Number	Description	Amount
4	WM060866	Cable tie, with spruce top bracket, 4,6W x 174L	

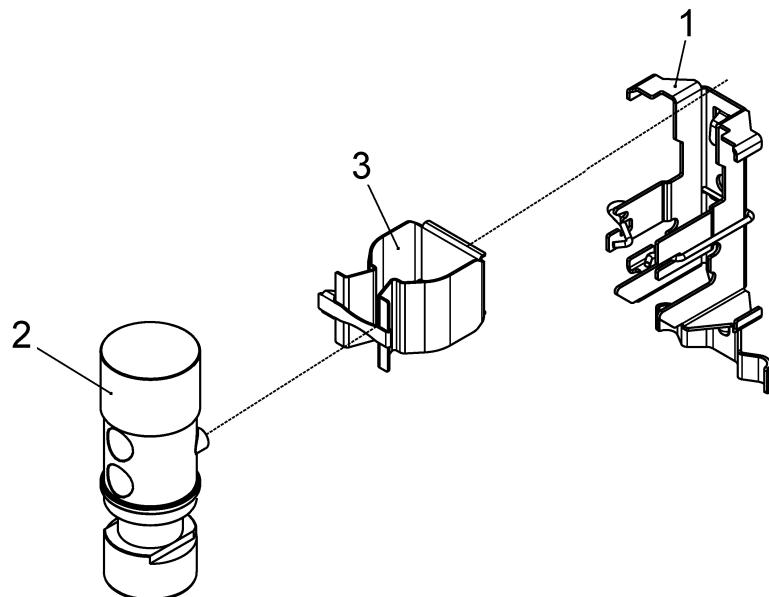
8.12.9 Panel, HH



No.	Part Number	Description	Amount
1	WM054499-A040	Side panel h=1295,5, silver	1
2	WM05758141	Support, U-shape l=970	1
3	WM046999-F050	Deep drawn side panel assembly bracket, gray	2
4	WM052168-F050	Panel h=686,2, grey	1
5	WT000398-0001	Pop rivet, dome head, 4.0 diameter x8, grip range 1.5-3.5 closed end	6
6	WM044310-0001	Pop rivet, dome head 6 diameter x10, grip range 2-4 mm	6

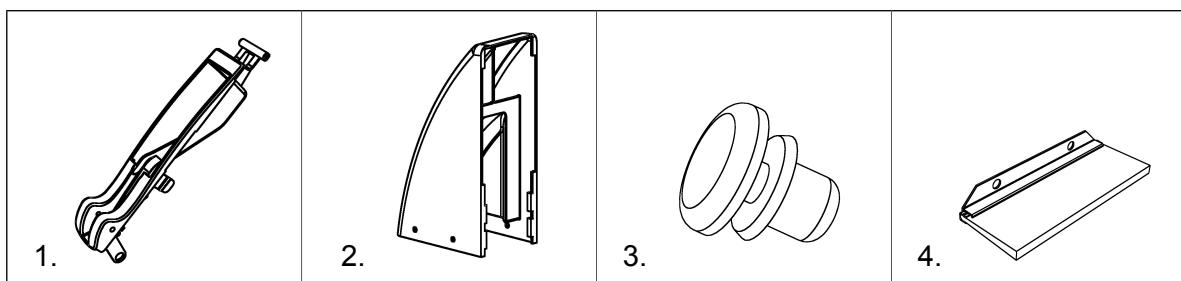
No.	Part Number	Description	Amount
7	WM044285-0002	Gasket, grip range 1.0 - 2.0 THK, l=507 mm	1
8	WM059651	Support, U-shape, rain shield	1
9	WM043906	Clip, 6 cables	4
10	WT001977	Taptite screw, hexagon flange, M5x10	2

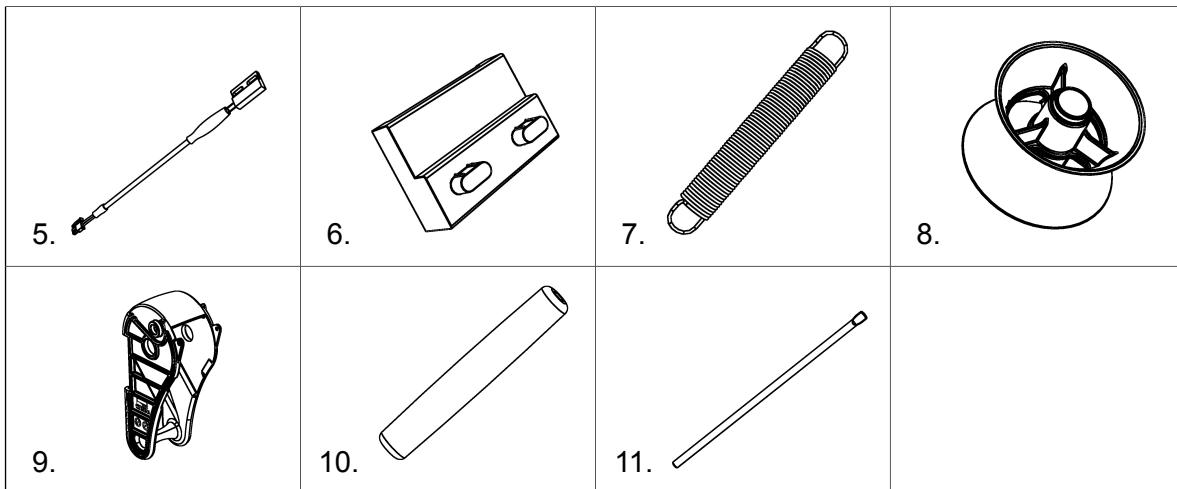
8.1210 VR



No.	Part Number	Description	Amount
1	WM052709	Support, U-shape	1
2	WM028989	Coupling, hose with VR	1
3	WM028990	Clamp	1

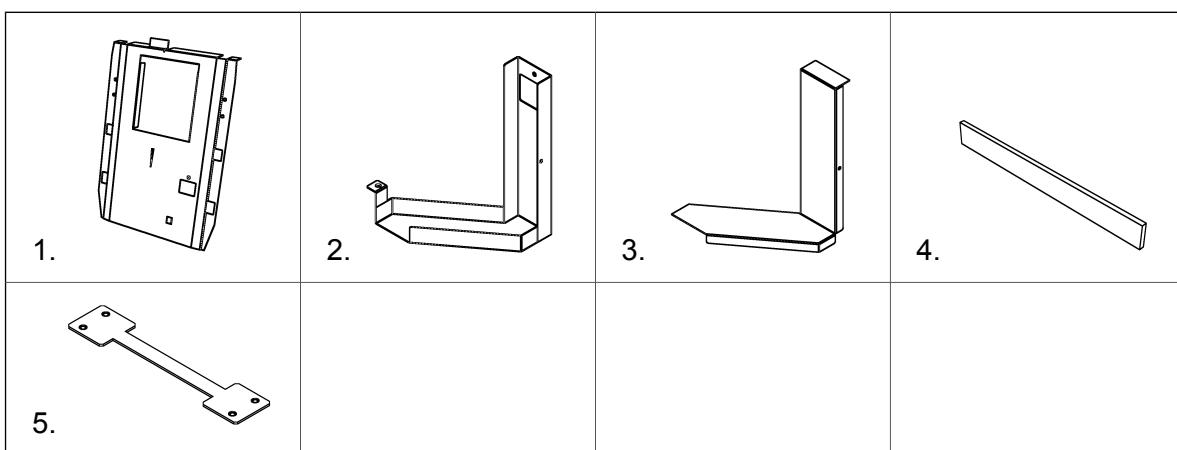
8.1211 Nozzle cover, DEF





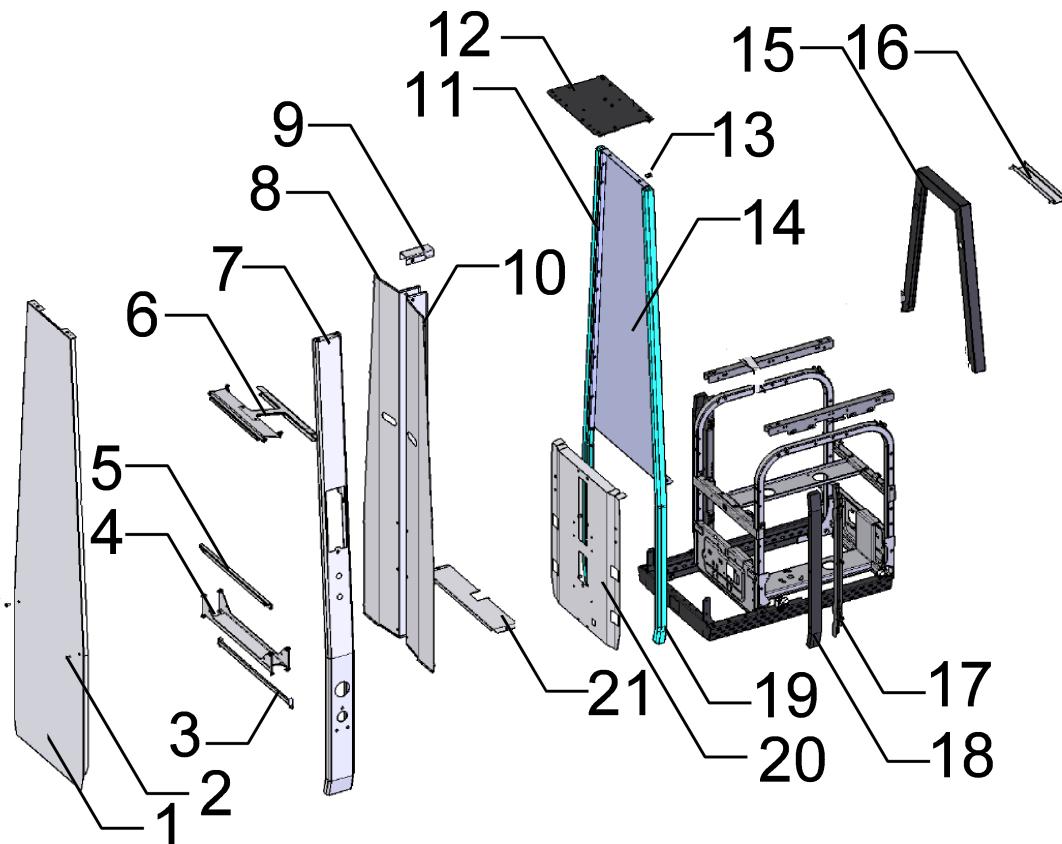
No.	Part Number	Description	Amount
1	WM059048	Nozzle boot, auto-on, machined	
2	WM059767-F050	Cover, nozzle boot cover	
3	WB000339-0002	Plastic fastener, rivet, D=6, thickness range 3.5 - 5.5 thk black	4
4	WM059043	Sealing, brush strip	
5	WM055702-0002	Cable, magnetic reed 2-wire normally close cable L=3000	
6	WM054424	Moulded, nozzle holder	
7	WM030544	Spring, L0=47,6	
8	WM025573	Wheel, D=85	
9	WM028141	Bracket, wheel, nozzle boot	
10	WM028145	Bushing, roller, L=66	
11	WM030068	Lock pin, L=100	

8.1212 B2B



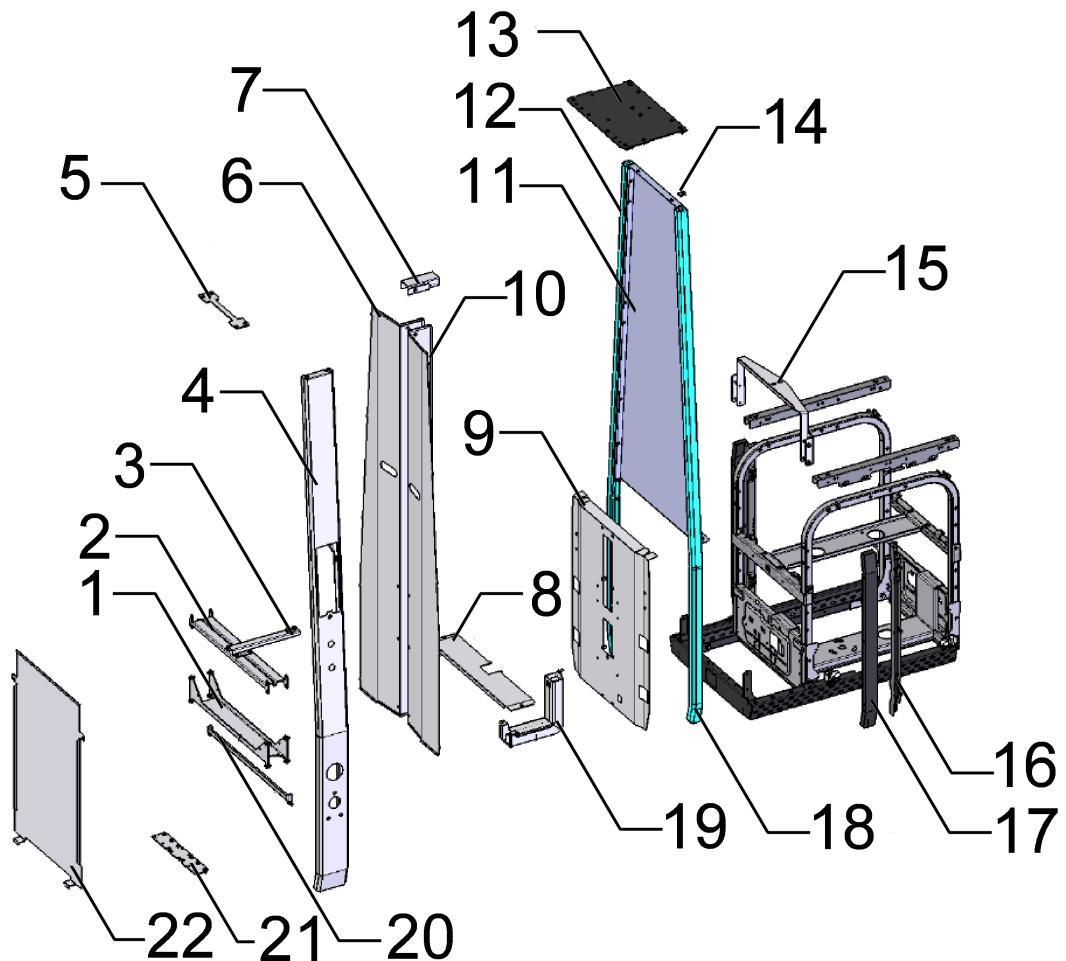
No.	Part Number	Description	Amount
1	WM058930	Blind panel, B2B	1
2		Support, U-shape, cable channe, lower	
	WM058837	- XX-11 lower (on picture)	1
	WM059885	- XX-22 lower	1
	WM058846	- XX-33 lower	1
	WM058856	- XX-44 lower	1
3		Support, U-shape, cable channe, upper	
	WM058844	- XX-11 upper (on picture)	1
	WM059887	- XX-22 upper	1
	WM058854	- XX-33 upper	1
	WM058858	- XX-44 upper	1
4	WM060580	Gasket, L=460, W=50, T=10	1
5	WM057065	Support, U-shape, L=303	1

8.13 Helix 6000, Hose handling, LPG standalone



No.	Part Number	Description	Amount
1	WM061554-A040	Side panel (h=1976)	
2	WT010695-0001	Screw, hexagon socket button, M6x16, flanged	
3	WT010652	Support, L-shape	
4	WT010662	Support, U-shape	
5	WT010654	Support, U-shape	
6	WT010672	Column spacer	
7	WT010624-A040	Column	
8	WT010540-0002	Support, L-shape, column divider side B	
9	WT010542	Support, U-shape	
10	WT010540-0001	Support, L-shape, column divider side A	
11	WM061026-A040	Corner column, inwards B-side	
12	WM056757-F050	Top panel, hose handlig	
13	WM050318	Nut, M6	
14	WM061033-A040	Side panel (h=1296)	
15	WM052168-F050	Panel (h=686)	
16	WT010676	Support, U-shape	
17	WM046999-F050	Side panel assembly bracket	
18	WM057964-F050	Panel	
19	WM061025-A040	Corner column, inwards A-side	
20	WT010628	Panel, internal column side	
21	WT010538	Cover plate, base column	

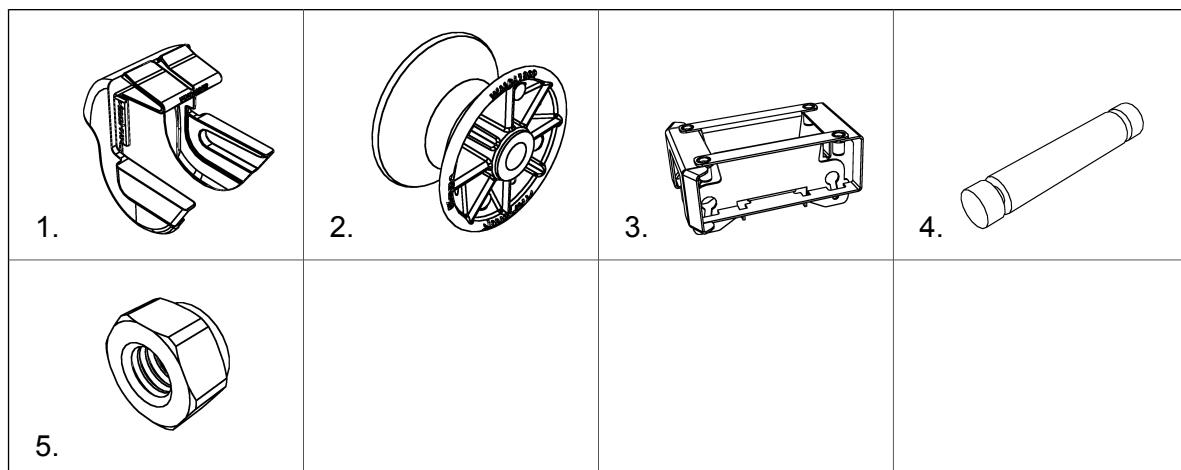
8.14 Helix 6000, hose handling, LPG B2B



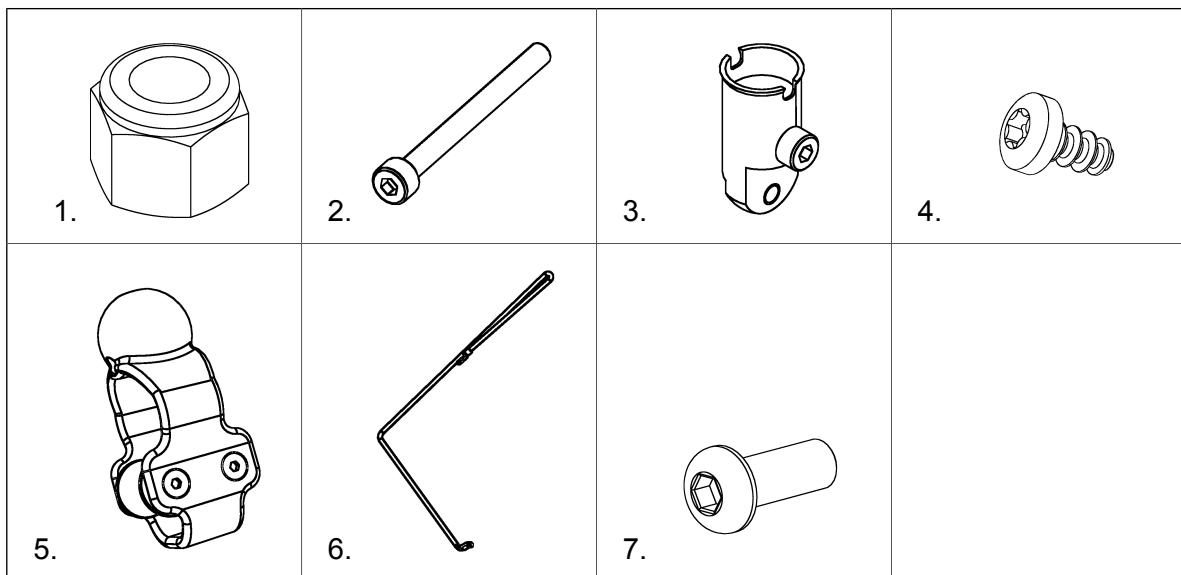
No.	Part Number	Description	Amount
1	WT010662	Support, U-shape	
2	WT010683	Support for column connection	
3	WT010685	Support	
4	WT010624-A040	Column	
5	WM057065	Support, U-shape	
6	WT010540-0002	Support, L-shape, column divider side B	
7	WT010542	Support, U-shape	
8	WT010538	Cover plate, base column	
9	WT010628	Panel, internal column side	
10	WT010540-0001	Support, L-shape, column divider side A	
11	WM057885-A040	Panel	

No.	Part Number	Description	Amount
12	WM061026-A040	Corner column, inwards B-side	
13	WM056757-F050	Top panel, hose handlig	
14	WM050318	Nut, M6	
15	WT010681	Support	
16	WM046999-F050	Side panel assembly bracket	
17	WM057964-F050	Panel	
18	WM061025-A040	Corner column, inwards A-side	
19	WT010679	Cable channel	
20	WT010652	Support, L-shape	
21	WM059266	Support, flat	
22	WM056843	Blind panel	

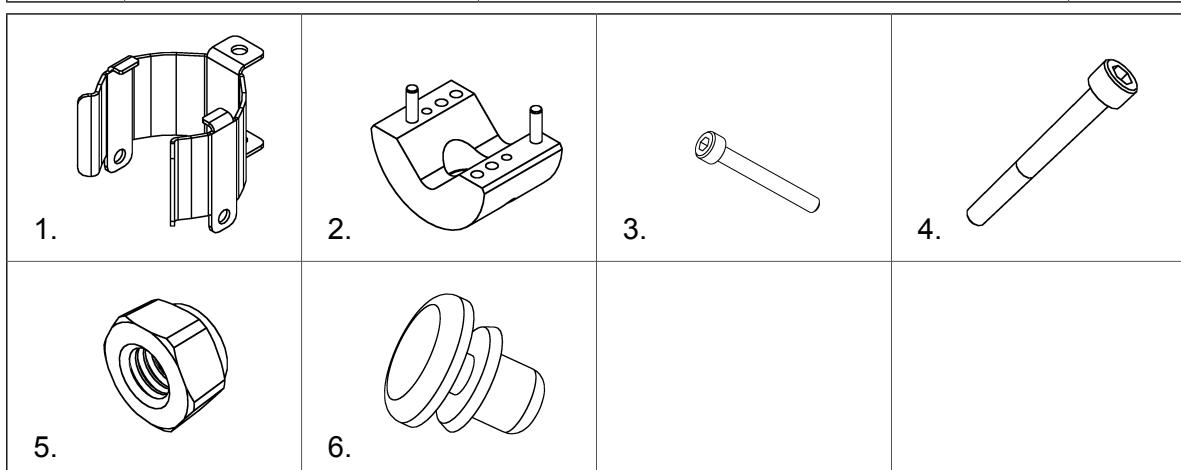
8.15 Helix 6000, LPG, hose retraction



No.	Part Number	Description	Amount
1	WM062157	Pulley cover	
2	WM062371	Pulley, OD=60, D=30, ID=12, with bushings	
3	WT010693	Support with cover hose retractor	
4	WM061403	Shaft, pulley, D=10, L=56	
5	WM062240-0001	Lock nut, M6	



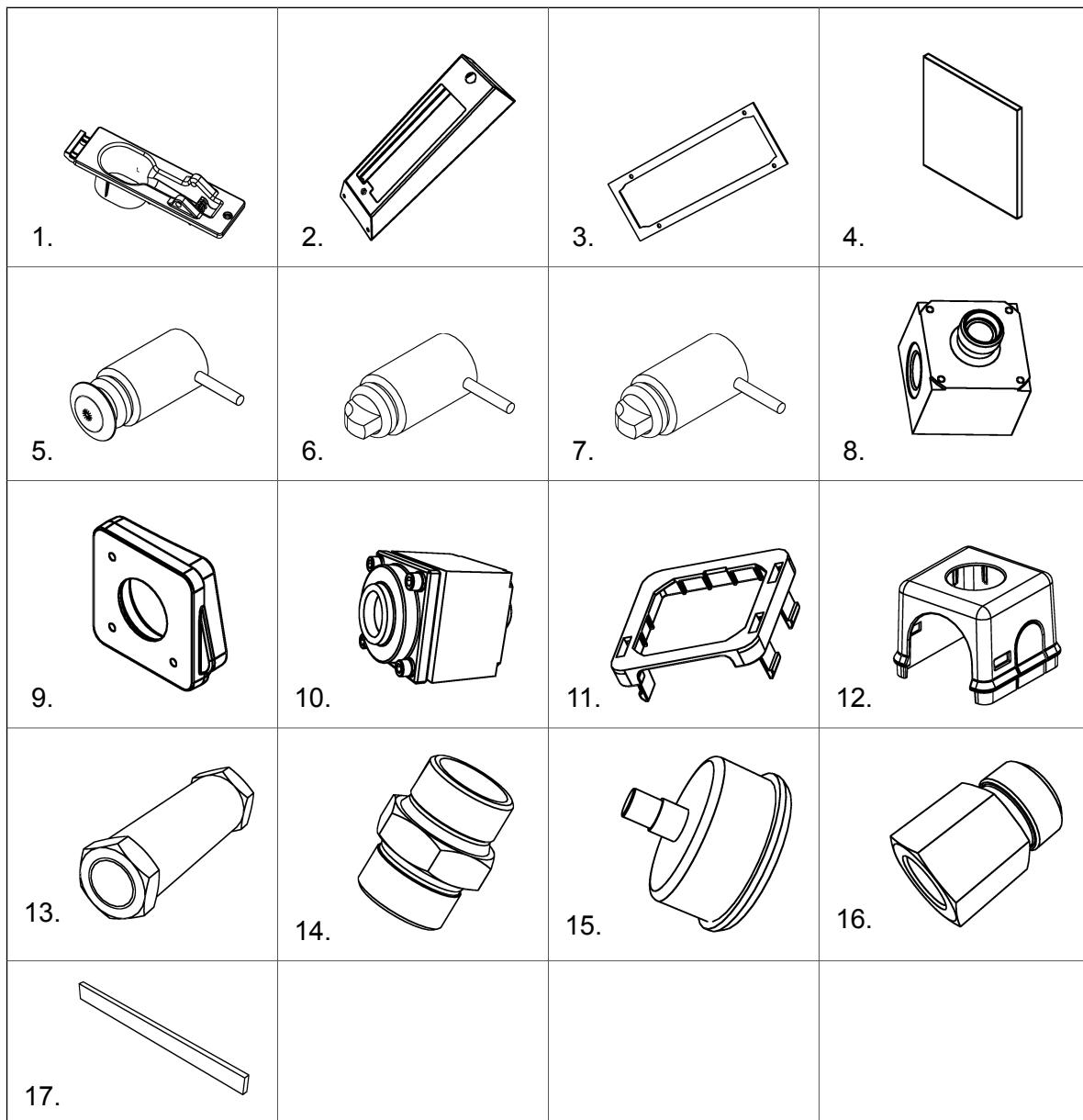
No.	Part Number	Description	Amount
1	WB000229-0002	Lock Nut, M4	
2	WB000209-0009	Screw, hexagon socket CAP, M4x12	
3	WM062218	Bearing	
4	WM045329-0002	Self tapping screw, Torx, pan head, 4x16, for plastic	
5	WM059154	Ring with pulley, hose handling	
6	WM059201	Cord l=1305	
7	WB000652-0001	Screw, hexagon socket button, M6x16	



No.	Part Number	Description	Amount
1	WM061872	Support, box shape hose clamp	
2	WM041859	Clamp for 13-16 mm hose with nuts	
3	WB000334-0002	Screw, hexagon socket cap, M3x20	

No.	Part Number	Description	Amount
4	WM062237-0001	Screw, hexagon socket cap, M6	
5	WM062240-0001	Lock nut, M6	
6	WB000339-0003	Plastic fastener rivet, d=6, thickness range 2.5 - 4.0 thk black	

8.16 Helix 1000 LPG

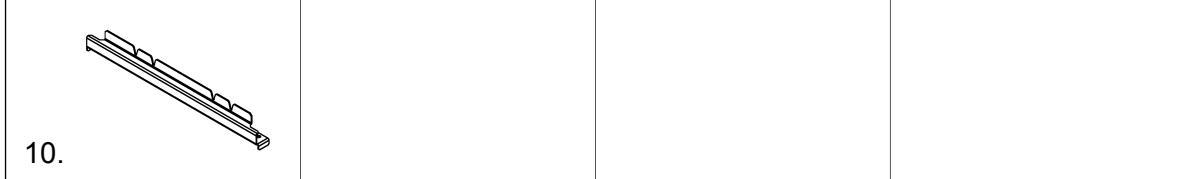
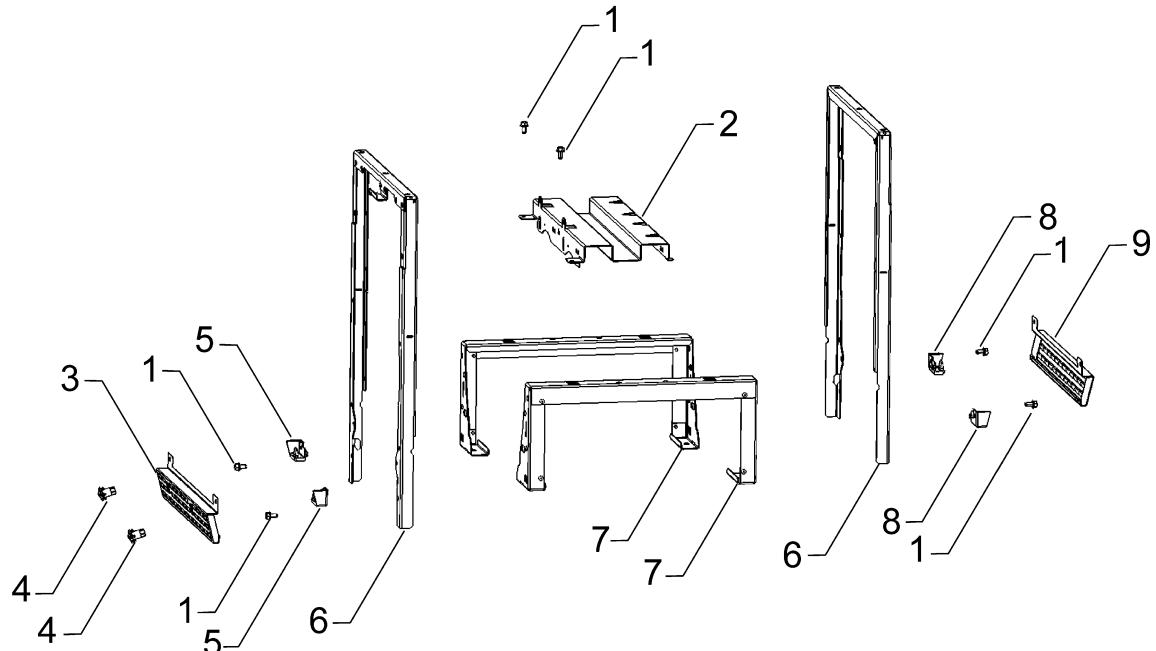


No.	Part Number	Description	Amount
1	WM033667	Nozzle boot, LPG	
2	WM058770-F050	Support LPG nozzle boot adaptor, grey (on picture)	

No.	Part Number	Description	Amount
	WM061069-F050	Support LPG nozzle boot adaptor, grey, hose mast	
3	WM058541	Gasket LPG nozzle boot adapter (on picture)	
	WM061079	Gasket LPG nozzle boot adapter, hose mast	
4	WM059177	Gasket nozzle boot adapter 100x100	
5	WM027743-0001	Push-button mushroom green	
6	WM027741-0001	Button on/off switch spring back	
7	WM027741-0002	Button on/off switch	
8	WT001124	Coupling, 90 degree female G3/4", male M30x2	
9	WM058765-F050	Flange hose connector LPG, grey	
10	WT001119	Sight glass, LPG	
11	WT001121	Sight glass cover	
12	WT001122	Sight glass cover	
13	WM002174	Valve break-away	
14	WM002808	Coupling, straight male/male 3/4" BSPP BSI5200	
15	WM000929	Pressure gauge	
16	WE001168	Coupling, straight gauge adapter DN 12	
17	WM062195	Gasket W=118,5, H=10, T=3	

9 Hydraulic cabinet - tubes and couplings

9.1 Framework Helix 1000

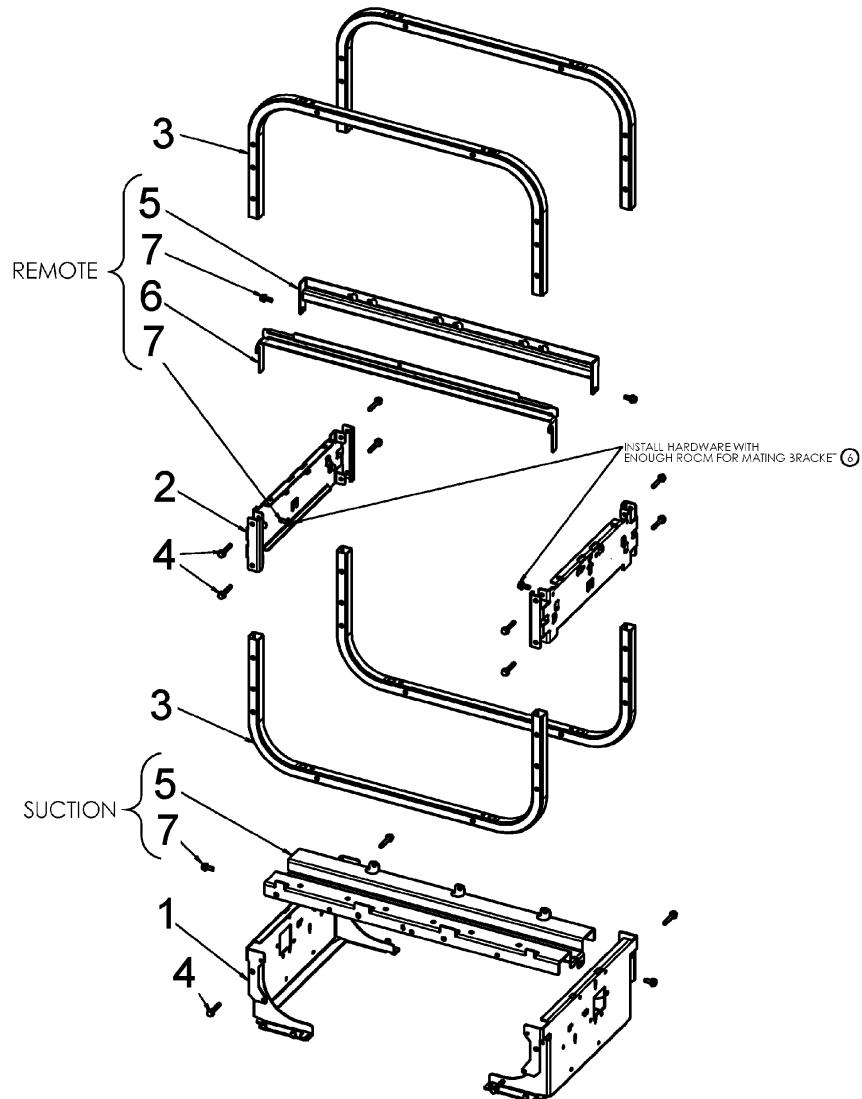


No.	Part Number	Description	Amount
1	WM043586-0003	Taptite screw, hexagon flange, M8x16	6
2		Support, hydraulic shelf	
	WM049872	- Suction	1
	WM049866	- Remote	2
3, 9		Cover plate	
	WM052878	- Base with holes	
	WM052863-F050	- Base	
	WM062325	- Base, stainless, with holes	
	WM062327	- Base, stainless	
4	WM009161	Plug with strainer, for air venting	suction 2 remote 0

9 Hydraulic cabinet - tubes and couplings

No.	Part Number	Description	Amount
5	WM047368-0002	Front panel guide pin right	2
6	WM051480	Support, box shape	2
7	WM049874	Support, box shape hydraulic side	2
8	WM047368-0001	Front panel guide pin left	2
see 3		Cover plate	
10		Support, remote	
	WM049868	- Side A (on picture)	1
	WM049870	- Side B	1
---	WM057951	Support, U-shape LPG meter	
---	WM057706	Support LPG filter Petrolmeccanica	
---	WM057708	Support LPG meter, PEtrolmeccanica	

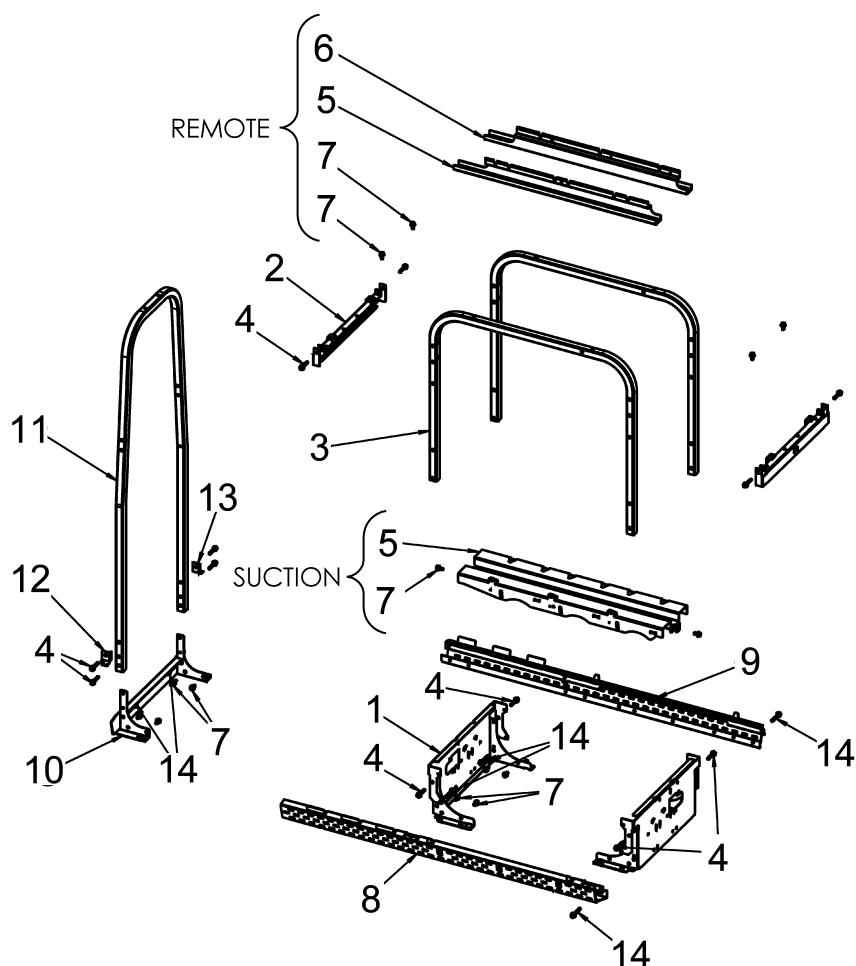
9.2 Framework Helix 2000, 4000, 5000



No.	Part Number	Description	Amount
1	WM040095	Support, box shape lower attachment	2
2	WM040093	Support, box shape connection beam	2
3		Profile square tube	
	WM056928-0001	- Narrow	2
	WM056928-0002	- Wide	2
4	WM043586-0002	Taptite screw hexagon flange, M8x45	12
5		Support hydraulics	
	WM040123-0001	- Remote, narrow	1
	WM045109-0001	- Suction, narrow	1

No.	Part Number	Description	Amount
	WM040123-0002	- Remote, wide	1
	WM045109-0002	- Suction, wide	1
	WM059565-0001	- Suction, narrow (UL)	1
	WM059565-0002	- Suction, wide (UL)	1
6		Support hydraulics	
	WM040125-0001	- Remote, narrow	1
	WM040125-0002	- Remote, wide	1
7	WM043586-0001	Taptite screw hexagon flange, M8x20	suc. 2 rem. 4

9.3 Framework Helix 6000

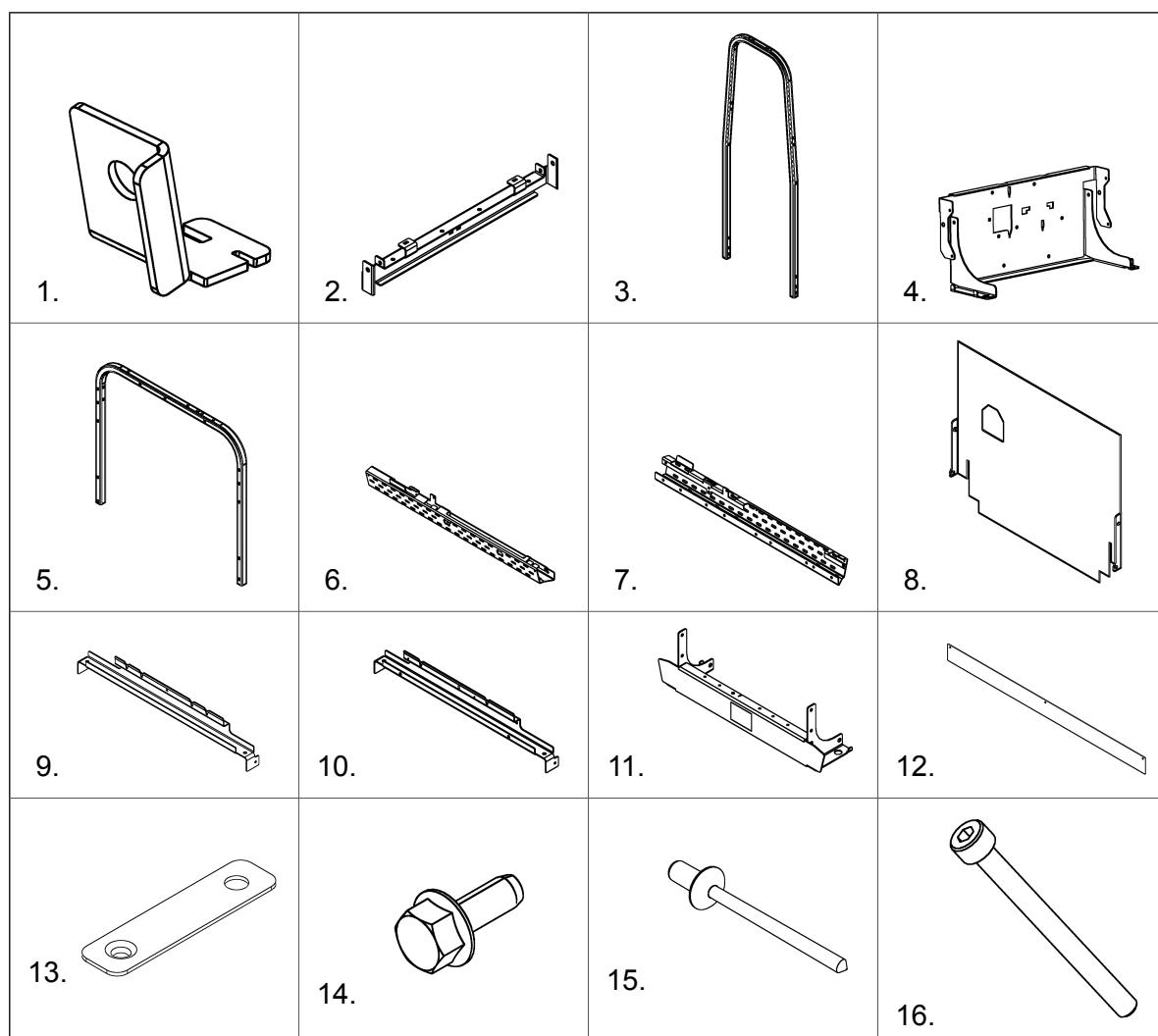


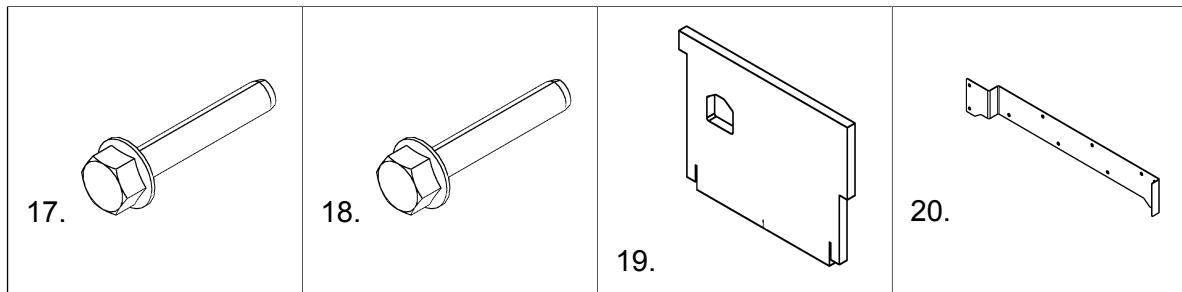
No.	Part Number	Description	Amount
1	WM040095	Support, box shape lower attachment	2

No.	Part Number	Description	Amount
2	WM052492	Support, box shape connection beam	2
3		Profile square tube	
	WM051305-0004	- Extra narrow	2
	WM051305-0001	- Narrow	2
	WM051305-0002	- Wide	2
	WM051305-0003	- Extra wide	2
4	WM043586-0002	Taptite screw hexagon flange, M8x40	12
5, 6		Support, remote hydraulics	
	WM058010	- Extra narrow, A-side	1
	WM058011	- Extra narrow, B-side	1
	WM052942-0001	- Narrow, A-side	1
	WM052944-0001	- Narrow, B-side	1
	WM052942-0002	- Wide, A-side	1
	WM052944-0002	- Wide, B-side	1
	WM052942-0003	- Extra wide, A-side	1
	WM052944-0003	- Extra wide, B-side	1
		Support, suction hydraulics	
	WM045109-0001	- Narrow	1
	WM045109-0003	- Wide	1
	WM045109-0004	- Extra wide	1
7	WM043586-0003	Taptite screw hexagon flange, M8x16	remote: 14 suction: 16
8		Base, A-side	
	WM058204-F050	- Extra narrow	1
	WM052764-F050	- Narrow	1
	WM052770-F050	- Wide	1
	WM052780-F050	- Extra wide	1
9		Base, B-side	
	WM058206-F105	- Extra narrow	1
	WM052765-F050	- Narrow	1

No.	Part Number	Description	Amount
	WM052771-F050	- Wide	1
	WM052781-F050	- Extra wide	1
10	WM058127-F050	Support, box shape lower attachment, grey F050	1
11	WM046510	Profile square tube, back	1
12	WM051866-0001	Support, L-shape A-side c-style support corner	1
13	WM051866-0002	Support, L-shape B-side C-style support corner	1
14	WM043586-0004	Taptite screw hexagon flange, M8x50	6

9.4 Hydraulic cabinet Helix 6000 extra narrow DEF



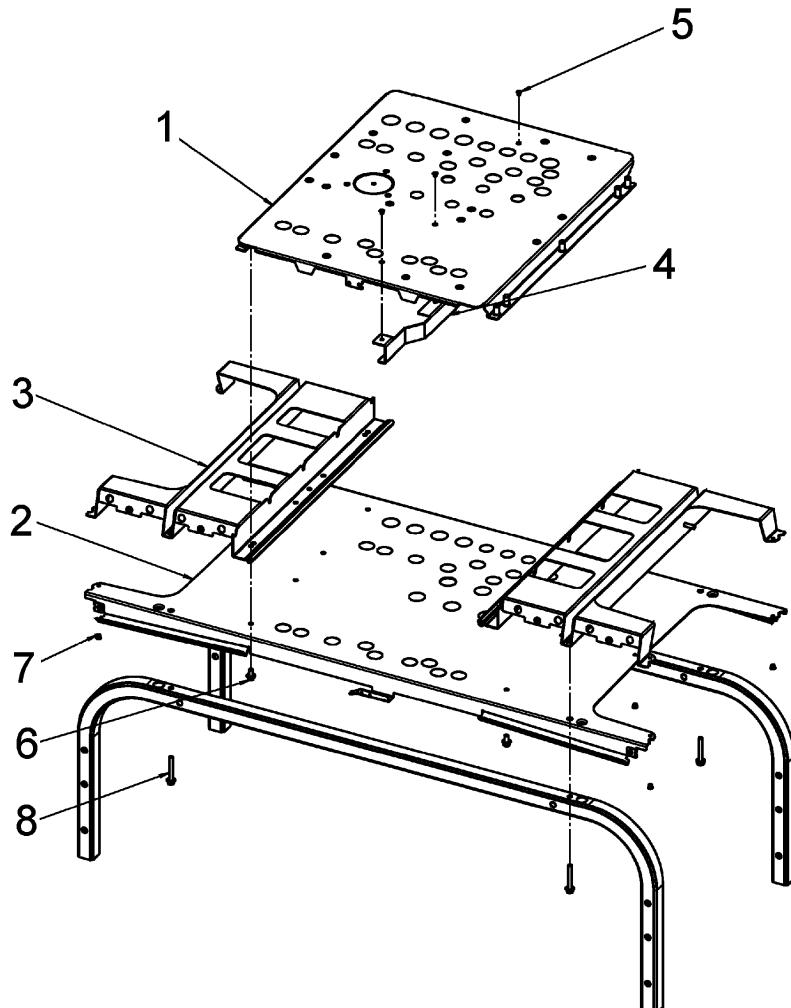


No.	Part Number	Description	Amount
1		Support, L-shape C-style support corner	1
	WM051866-0001	- A-side	
	WM051866-0002	- B-side	
2	WM052492	Support, box shape connection beam	2
3	WM046510	Profile square tube, back	1
4	WM040095	Support, box shape lower attachment	2
5	WM051305-0004	Profile square tube C-style extra narrow	1
		Base, extra narrow, grey	
6	WM060467-F050	- A-side	1
7	WM060468-F050	- B-side	1
8	WM059025	Support isolation mounting	1
		Support, remote hydraulics, 2 modules extra narrow	
9	WM058010	- A-side	1
10	WM058011	- B-side	1
11	WM058127-F050	Support, box shape lower attachment, grey	1
12	WM058642-F050	Cover plate base frame ventilation hole cover	2
13	WM059683	Support probe holder	1
14	WB000300-0001	Taptite screw, hexagon flange, M6x16	4
15	WT000398-0001	Pop rivet, dome head, 4.0 diameter x 8, grip range 1.5 - 3.5 closed end	6
16	WB000209-0008	Screw, hexagon socket cap, M4x14, SHMSHXSTZN	4
17	WM043586-0002	Taptite screw, hexagon flange, M8x40	20
18	WM043586-0003	Taptite screw, hexagon flange, M8x16	14

No.	Part Number	Description	Amount
19	WM059040	Gasket isolation T=25	1
20	WM058959	Support, junction box support extra narrow	1

9.5 Vapor Barrier

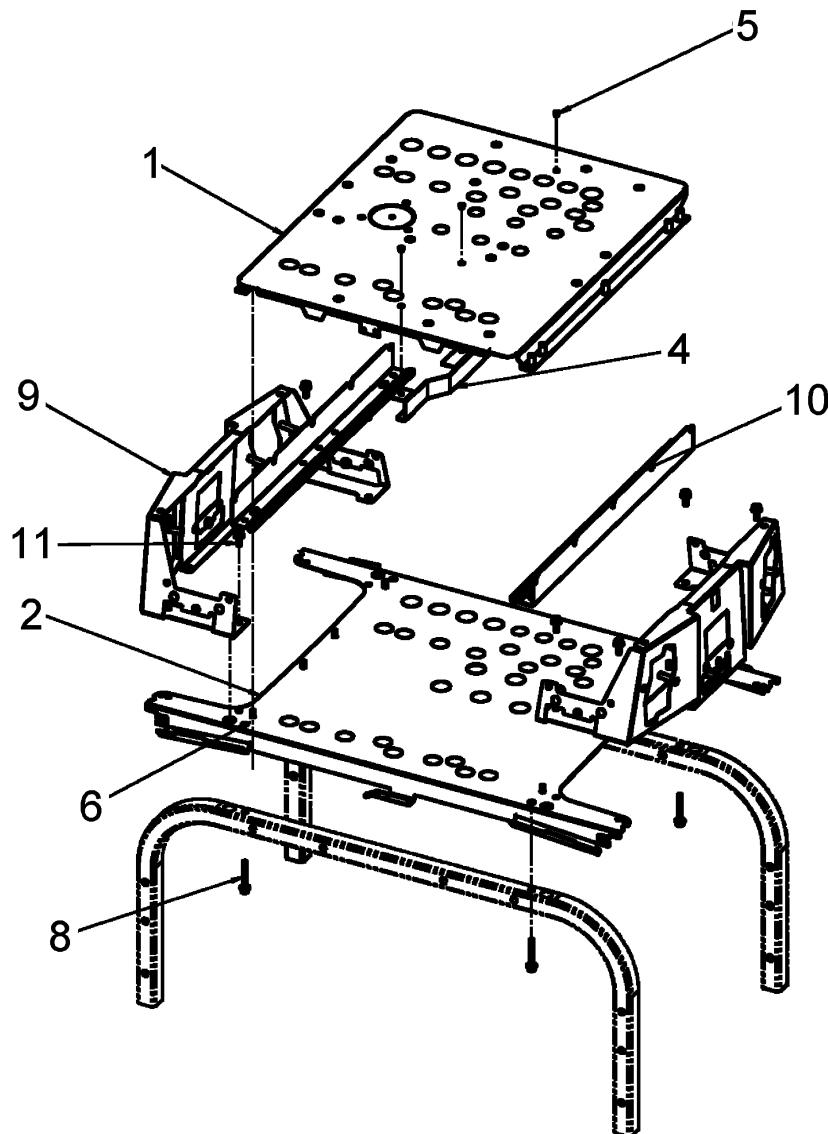
9.5.1 Vapor barrier, H-style



No.	Part Number	Description	Amount
1		Support, box shape LEE bottom	
	WM050671-F050	- Wide & Narrow, UL (on picture)	1
	WM039729	- Wide & Narrow, IEC	1
2		Support, U-shape hydraulic top	
	WM042331-0001	- Wide, UL (on picture)	1
	WM042331-0002	- Narrow, UL	1

No.	Part Number	Description	Amount
	WM042331-0003	- Wide, IEC	1
	WM042331-0004	- Narrow, IEC	1
3		Support, box shape guide rail	
	WM057726	- Wide, UL and IEC (on picture)	2
	WM057713	- Narrow, UL and IEC	2
4	WM043276	Support, U-shape vapor barrier	1
5	WB000251-0001	Pop rivet, CSK head, 4.0 diameter x9, grip range 2.0-4.4, closed end	3
6	WM019873-0001	Screw, hex head, M6x12, with flange	7
7	WM028446-0001	Pop rivet, dome head, 4.0 diameter x7, grip range 0-3,2	wi. 6 nar. 4
8	WM019873-0003	Screw, hex head, M6x45, with flange	4

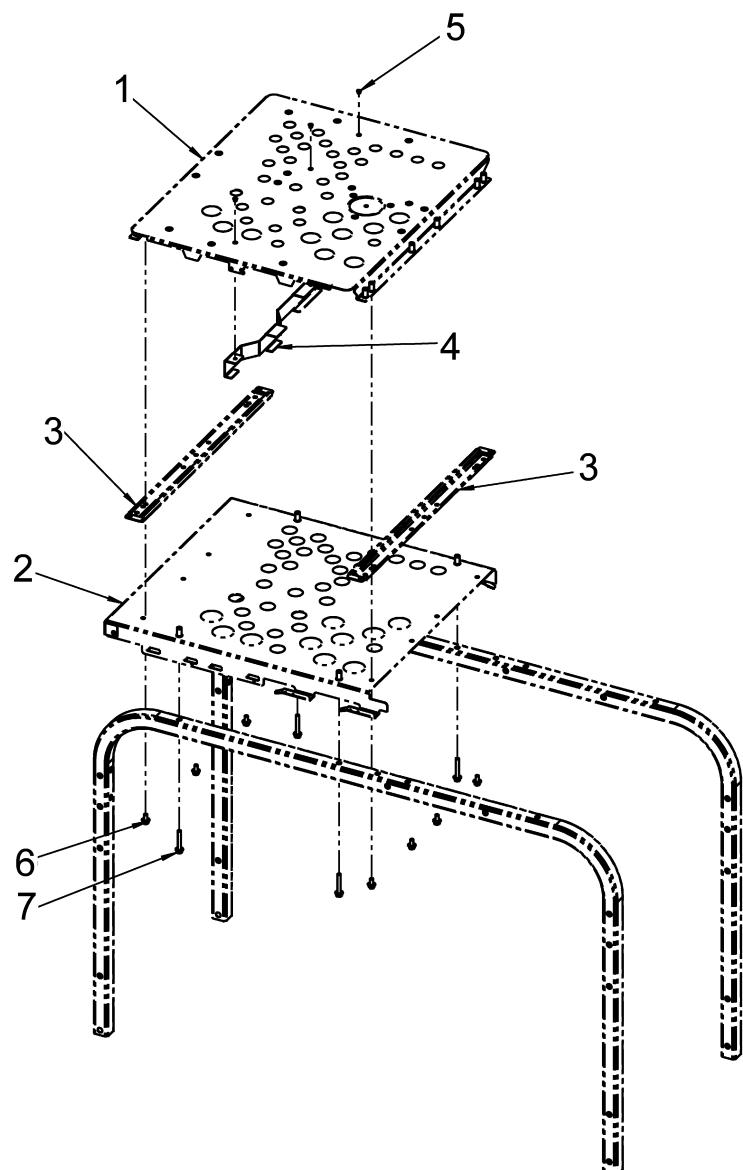
9.5.2 Vapor barrier, Helix 2000 (small style)



No.	Part Number	Description	Amount
1		Support, box shape LEE bottom	
	WM039330-0001	- Small style, UL (on picture)	1
	WM039729	- Small style, IEC	1
2		Support, U-shape hydraulic top	
	WM042331-0002	- Small style, UL	1
	WM042331-0004	- Small style, IEC	1
3		Support, box shape guide rail	
	---	---	---

No.	Part Number	Description	Amount
4	WM043276	Support, U-shape vapor barrier	1
5	WB000251-0001	Pop rivet, CSK head, 4.0 diameter x9, grip range 2.0 - 4.4, closed end	3
6	WM019873-0001	Screw, hex head, M6x12, with flange	7
7	---	---	
8	WM019873-0003	Screw, hex head, M6x45, with flange	4
9	WM045835	Support, box shape hose connector, Small style	2
10	WM057727	Support, L-shape electronic head, Small style	2
11	WB000300-0001	Taptite screw, hexagon flange, M6x16, Small style	8

9.5.3 Vapor barrier, Helix 6000

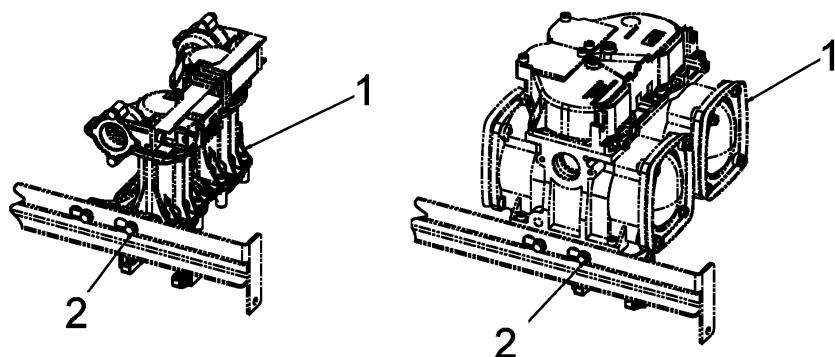


No.	Part Number	Description	Amount
1	WM050670-F050	Support, box shape LEE bottom IEC, grey, F050	1
2	WM054119-F050	Support, U-shape, hydraulic top panel, grey, F050	1
3	WM051348	Support, L-shape electronic head C-style	2
4	WM043276	Support, U-shape vapour barrier	1
5	WB000251-0001	Pop rivet, CSK head, 4.0 diameter x 9, grip range 2.0-4.4, closed end	3

No.	Part Number	Description	Amount
6	WM019873-0001	Screw, hex head, M6x12, with flange	7
7	WM019873-0004	Screw, hex head, M6 x 12, with flange	4

9.6 Hydraulic module

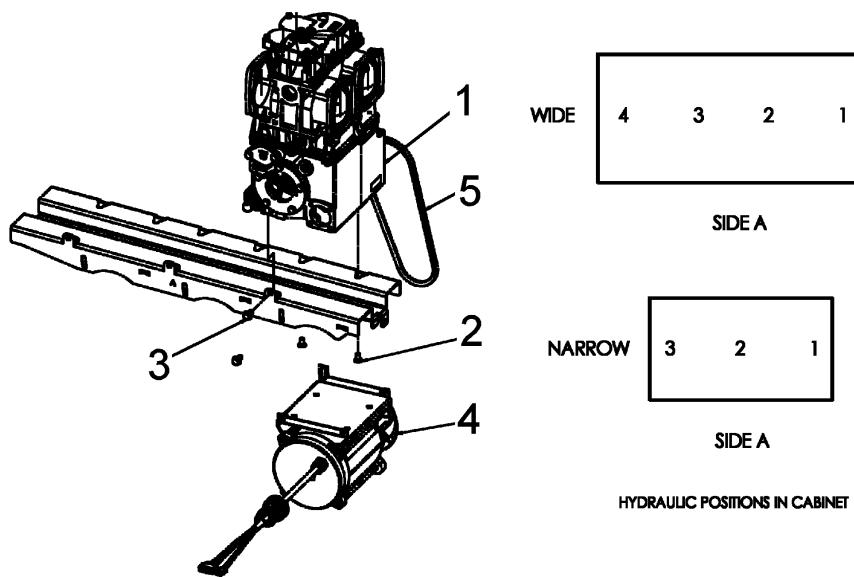
9.6.1 Hydraulic module, remote



No.	Part Number	Description	Amount
1		Combined unit	
	WU007305-0001	- Remote inlet and meter, double sided, FS	
	WU007305-0002	- Remote inlet and meter, double sided, FS, ATC	
	WU007305-0003	- Remote inlet and meter, single A, FS	
	WU007305-0004	- Remote inlet and meter, single A, FS, ATC	
	WU007305-0005	- Remote inlet and meter, double sided, UREA	
	WU007305-0006	- Remote inlet and mMeter, single A, UREA	
	WU007315-0001	- Remote inlet, meter and pulser, dome low, double sided	
	WU007315-0002	- Remote inlet, meter and pulser, dome low, double sided, UL	
	WU007315-0003	- Remote inlet, meter and pulser, dome low, double sided ethanol	
	WU007315-0004	- Remote inlet, meter and pulser, dome low, double sided ethanol, UL	
	WU007315-0005	- Remote Inlet, meter and pulser, dome low, single A, ethanol	

No.	Part Number	Description	Amount
	WU007315-0006	- Remote inlet, meter and pulser, dome low, single A, wthanol, UL	
	WU007315-0007	- Remote inlet, meter and pulser, dome low, single B, ethanol	
	WU007315-0008	- Remote inlet, meter and pulser, dome low, single B, ethanol, UL	
	WU011991-0004	- Remote inlet, meter and pulser xFlo low dome, dual E85, xWIP II	
	WU007311-0001	- Remote inlet, meter and pulser, dome low, double sided	
	WU007311-0002	- Remote inlet, meter and pulser, dome low, double sided, UL	
	WU007311-0003	- Remote inlet, meter and pulser, dome low, single A	
	WU007311-0004	- Remote inlet, meter and pulser, dome low, single A, UL	
	WU007311-0005	- Remote inlet, meter and pulser, dome low, single B	
	WU007311-0006	- Remote inlet, meter and pulser, dome low, single B, UL	
	WM045806-0008	C- Remote inlet, meter and pulser X-flo low dome, dual E85, xWIP II	
2	WM019873-0001	Screw, hex head, M6x12, with flange	2

9.6.2 Hydraulic module, suction, incl. motor



No.	Part Number	Description	Amount
1		Combined unit	
	WM020553-0007	- Pump and meter double sided, EMEA/LA, FS, ATC	1
	WM020553-0008	- Pump and meter single A, EMEA/LA, FS, ATC	1
	WM020553-0009	- Pump and meter double sided with connector, EMEA/LA, FS	1
	WM020553-0010	- Pump and meter double sided with connector, EMEA/LA, FS, ATC	1
	WM020553-0011	- Compact pump with connector, EMA/LA, ATC	1
	WM020553-0012	- Pump and meter double sided, EMEA/LA, FS	1
	WM020553-0013	- Pump and meter single A, EMEA/LA, FS	1
	WM028606-0001	- Remote inlet, meter and pulser, dome low, double sided	1
	WM028606-0002	- Remote inlet, meter and pulser, dome low, double sided, UL	1
	WM028606-0003	- Remote inlet, meter and pulser, dome low, double sided ethanol	1
	WM028606-0004	- Remote inlet, meter and pulser, dome low, double sided ethanol, UL	1

No.	Part Number	Description	Amount
	WM028606-0005	- Remote inlet, meter and pulser, dome low, single A, ethanol	1
	WM028606-0006	- Remote inlet, meter and pulser, dome low, single A, ethanol, UL	1
	WM028606-0007	- Remote inlet, meter and pulser, dome low, single B, ethanol	1
	WM028606-0008	- Remote inlet, meter and pulser, dome low, single B, ethanol, UL	1
	WM046084-0001	- Pump, meter and pulser, dome low, double sided	1
	WM046084-0002	- Pump, meter and pulser, dome low, double sided, UL	1
	WM046084-0003	- Pump, meter and pulser, dome low, single A	1
	WM046084-0004	- Pump, meter and pulser, dome low, single A, UL	1
	WM046084-0005	- Pump, meter and pulser, dome low, single B	1
	WM046084-0006	- Pump, meter and pulser, dome low, single B, UL	1
2	WM009773-0002	Screw, hex head, M8x16, with flange	2
3	WB000401-0002	Screw, CSK socket cap, M8x12	2
4		Motor	
	WM045890-0004	- Single phase 0.75kW, 220-240V, 1730rpm, 60Hz, ATEX	1
	WM045890-0003	- Single phase 0.75kW, 220-240V, 1730rpm, 60Hz, ATEX-COM	1
	WM045890-0001	- Single phase 0.75kW, 230V, 1450rpm, 50Hz, ATEX-COM	1
	WM045890-0002	- Single phase 0.75kW, 230V, 1450rpm, 50Hz, ATEX	1
	WM045890-0005	- Single phase 0.75kW, 230V, 1450RPM, 50Hz, ATEX-COM I=2250 (only for Helix 6000 55-55)	1
	WM045889-0001	- 3-phase 0.75kW, 400V, 1430rpm, 50Hz, ATEX-COM	1

No.	Part Number	Description	Amount
	WM045889-0006	- 3-phase 0.75kW, 400V, 1430rpm, 50Hz, ATEX	1
	WM045889-0008	- 3-phase 0.75 kW, 400V, 1430rpm, 50Hz, ATEX-COM I=2250 (only for Helix 6000 55-55)	1
	WM045889-0005	- 3-phase 0.75kW, switchable, 220/380V, 1430rpm, 50/60Hz, ATEX-COM	1
	WM045889-0007	- 3-Phase 0.75kW, 220/380V, 1430rpm 50/60Hz, ATEX	1
	WM045894-0003	- Single phase 1.1kW, 220-240V, 1730rpm, 60Hz, ATEX-COM	1
	WM045894-0004	- Single phase 1.1kW, 220-240V, 1730rpm, 60Hz, ATEX	1
	WM045894-0001	- Single phase 1.1kW, 230V, 1430rpm, 50Hz, ATEX-COM	1
	WM045894-0002	- Single phase 1.1kW, 230V, 1430rpm, 50Hz, ATEX	1
	WM045893-0004	- 3-Phase 1.1kW, switchable, 220/380V, 1430rpm, 50/60Hz, ATEX-COM	1
	WM045894-0005	- 3-phase 1.1kW, 230V, 1430rpm, 50Hz, ATEX-COM I=2250 (only for Helix 6000 55-55)	1
	WM045893-0001	- 3-phase 1.1kW, 400V, 1430rpm, 50Hz, ATEX-COM	1
	WM045893-0005	- 3-Phase 1.1kW, 400V, 1430rpm, 50Hz, ATEX	1
	WM045893-0007	- 3-phase 1.1kW, 400V, 1430rpm, 50Hz, ATEX-COM I=2250 (only for Helix 6000 55-55)	1
	WM045893-0006	- 3-Phase 1.1kW, 220/380V, 1430rpm, 50/60Hz, ATEX	1
5		Belt, Z-profile	
	WM003054	- SPZ 787, For 40 lpm fuel delivery (0,75 kW, 50 Hz)	1
	WM009676	- SPZ 812, For 70-120 lpm fuel delivery (1,1 kW, 50 Hz)	1

No.	Part Number	Description	Amount
	WM008374	- SPZ 825	1
	WR002070	- SPZ 772, For 40 lpm fuel delivery (0,75 kW, 60 Hz)	1
	WM003054	- SPZ 787, For 70-120 lpm fuel delivery (1,1 kW, 60 Hz)	1
		Pulley for switchable motors, Z-profile	
	WM054460-0001	- SPZ 71, od=75mm, id=19mm, 60Hz	1
	WM054460-0002	- SPZ 80, od=84mm, id=19mm, 60Hz	1
	WM054460-0003	- SPZ 85, od=89mm, id=19mm, 50Hz	1
	WM054460-0004	- SPZ 95, od=99mm, id=19mm, 50Hz	1
-	See page 201	Support, suction hydraulics	



WARNING!

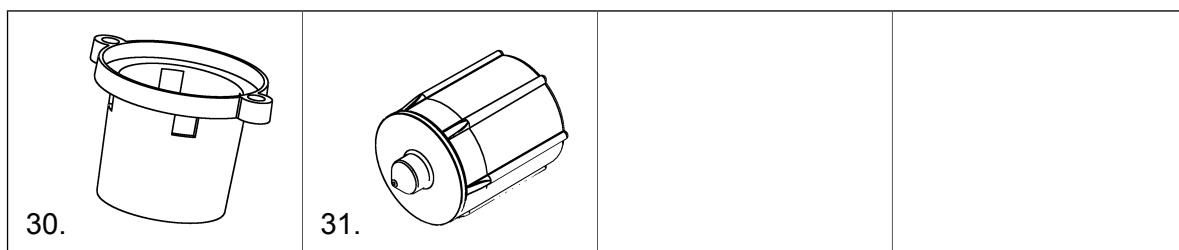
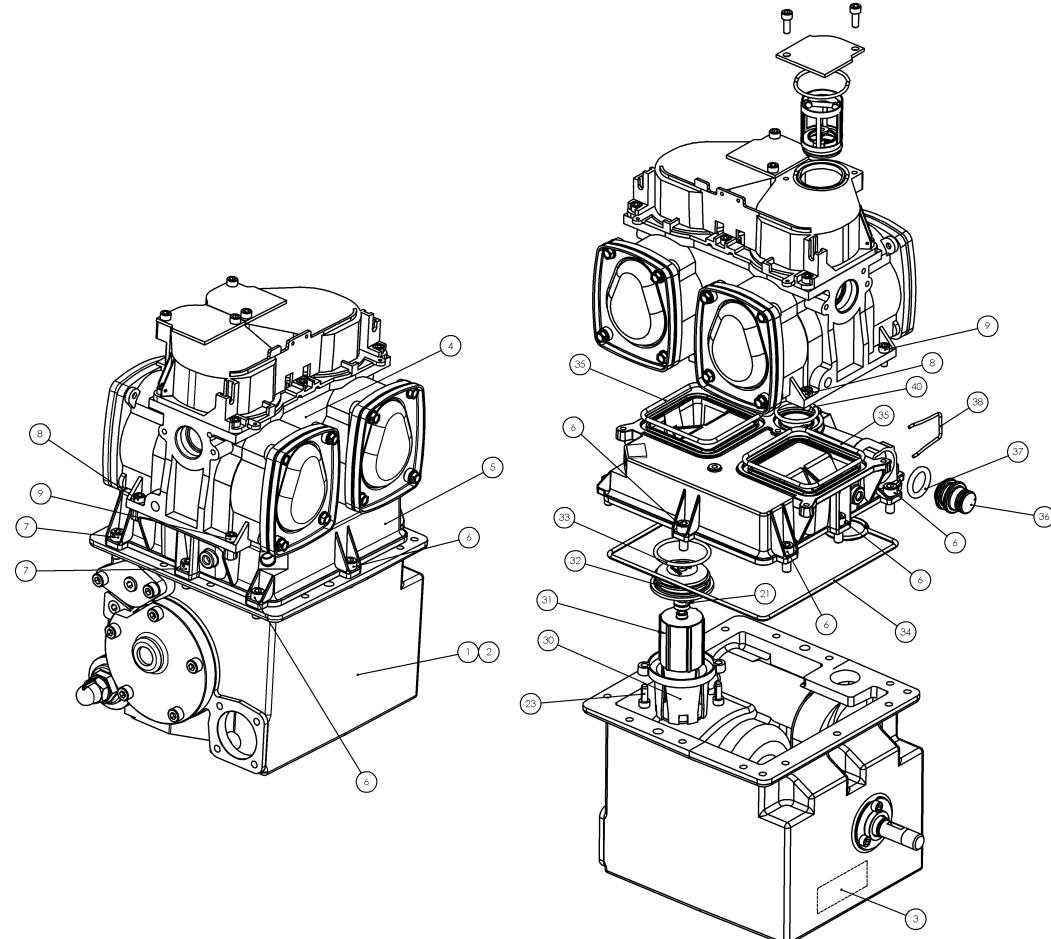
Electrical components under ATEX marked with



must not be repaired and should be replaced as complete spare part in case of operational functional failure.

9.7 Hydraulic

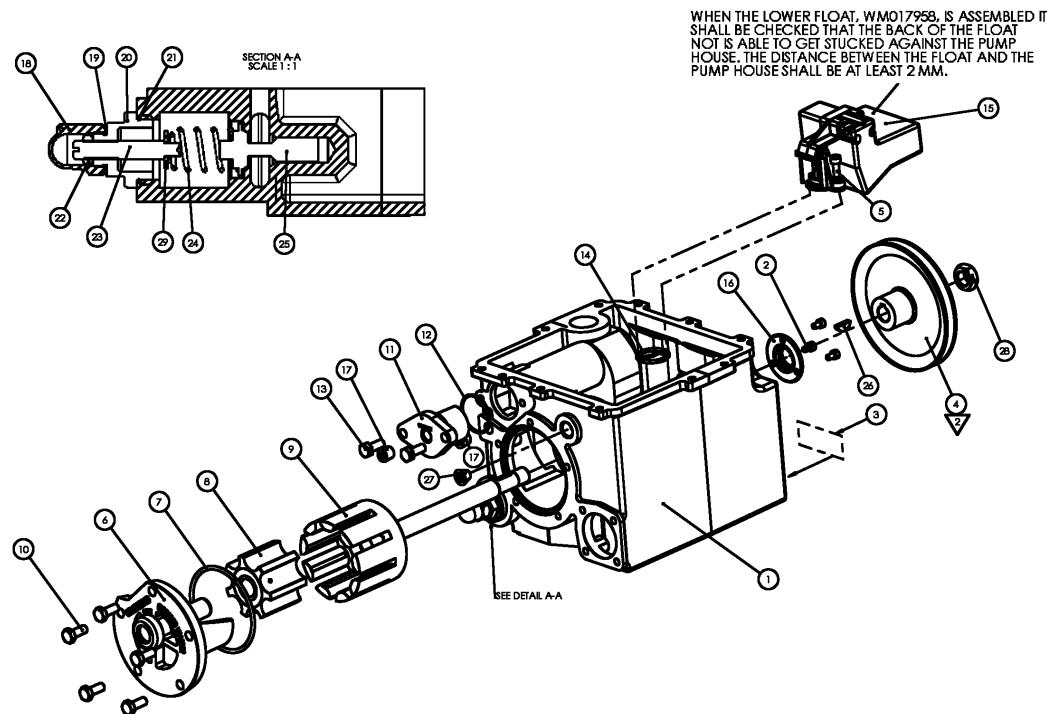
9.7.1 Pump cover - suction



No.	Part Number	Description	Amount
1	WR000632	Housing, machined, pump	
2	---	---	
3		Identification label	
	WM021062-0004	- Combined unit, compact pump	
	WM021062-0002	- Combined unit, pump & meter - single sided	

No.	Part Number	Description	Amount
	WM021062-0001	- Combined unit, pump & meter - double sided	
	WM022147-0001	- Fuel pump, internal gear	
4		Fuel meter see page 213	
5	WM009207-0001	Cover, machined (With single bump connection for the air venting tube)	
6	WB000212-0001	Screw, hexagon socket cap, M8x20	
7	WM002220-0001	Screw seal, hexagon socket cap, M8x20	
8	WM002236	Seal screw, hexagon socket cap, M6x16	
9	WB000211-0001	Screw, hexagon socket cap, M6x16	
21	WM002282	Seal, V-shape	
23	WB000260-0001	Taptite screw, hexagon socket cap, M6x16	
30	WM017874	Float guide	
31	WM008785	Float	
32	WM013808	Cover, moulded	
33	WM001979	O-ring t=3.5, id=47	
34	WM000611	O-ring formed t=4	
35	WU002986-0001	O-ring t=4.0, id=98	
36	WM001438	Plug	
37	WM002217	O-ring t=5.0, id=21	
38	WM001440	Pin	
40	WM000612	O-ring t=3.5, id=35	

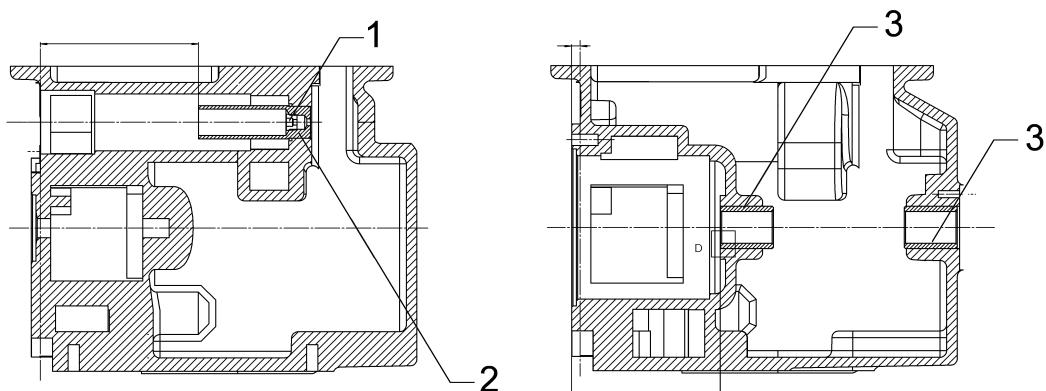
9.7.2 Pump internal gear - suction



No.	Part Number	Description	Amount
1	WR000632	Housing	
2	---	---	
3	WM022147	Identification label fuel pump, internal gear, EMEA/LA	
4	WM022270	Pulley, Z-profile	
5	WB000211-0001	Screw, hexagon socket cap, M6x16	
6	WM001387	Cover, flat head and shaft	
7	WM001956	O-ring t=3.53, id=85,32	
8	WM001420	Idler	
9	WM001426	Rotor	
10	WB000212-0001	Screw, hexagon socket cap, M8x20	
11	WM000700	Cover, machined end cap	
12	WM001957	O-ring t=1.78, id=37.82	
13	WM022112	Seal screw, hex head, M8x20	
14	WM001953	O-ring t=3, id=28	
15	WM017958	Float	

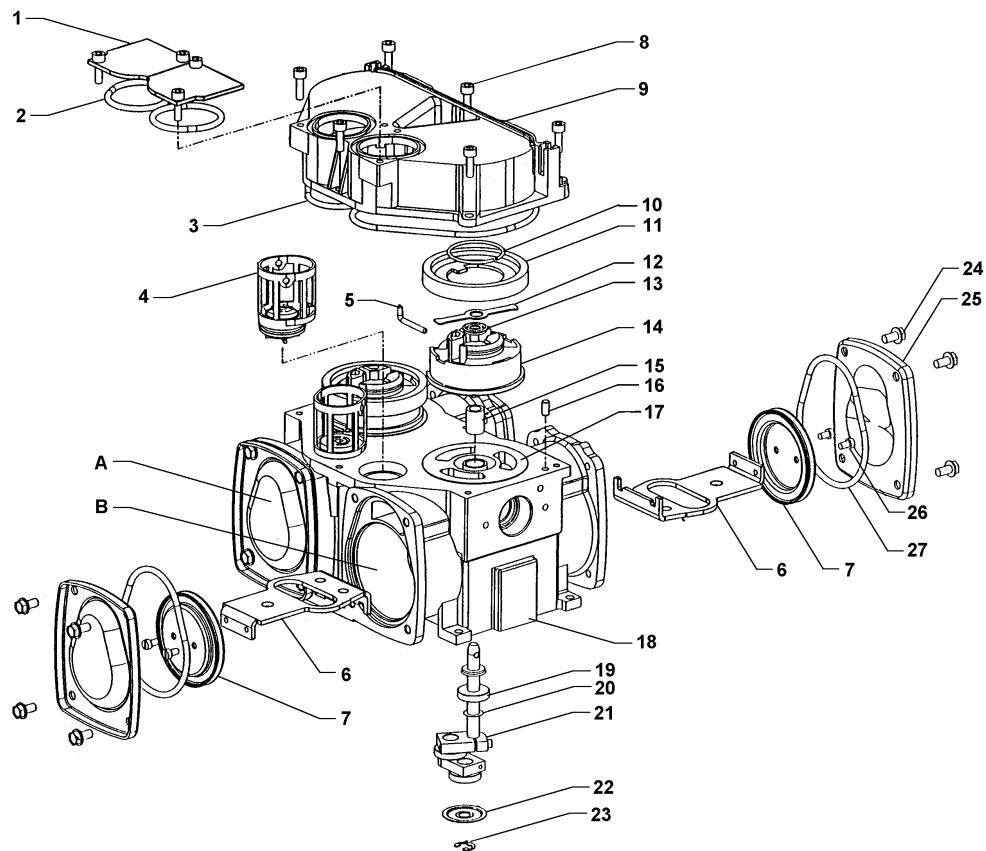
No.	Part Number	Description	Amount
16	WM001934	Seal	
17	WM001083	Plug 1/4"	
18	WM001088	Seal cap	
19	WM001089	Gasket id=17, od=26, t=0.8	
20	WM001434	Cap	
21	WM001955	O-ring t=1.78, id=29.8	
22	WM001423	Nut hexagon	
23	WM001421	Screw adjusting	
24	WM001382	Spring d=18.5, l=58.7	
25	WM001383	Damper	
26	WM001667	Key, woodruff d=19, t=4.75	
27	WB000367-0002	Plug , hexagon socket pipe plug R3/8"	
28	WB000341-0001	Nut, 5/8" UNF jam-nut	
29	WM001422	Washer, plain id=5, od=10.5, t=1	

9.7.3 Plug pump unit - suction



No.	Part Number	Description	Amount
1	WM001961	Plug 1/8" NPTF L=6.35, hole=3.3 mm (wrench 3/16" see below)	
	W8-452971	Plug 1/8" NPTF L=6.35, hole=2,4 mm	
	W8-452882	Wrench (Allen key) 3/16	
2	WM001078	Air separator	
3	WM001424	Bushing l=31.8mm	

9.7.4 iMeter™

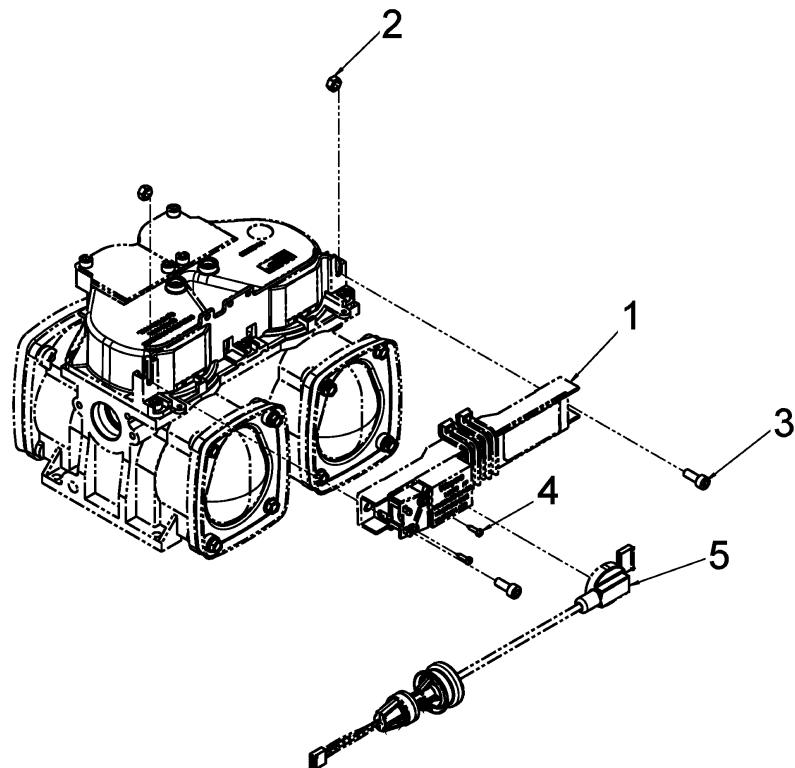


No.	Part Number	Description	Amount
1	WM000504	Cover check	
2	WM001101	O-ring	
3	WM001102	O-ring	
4	WM000695-0002	Valve ass'y	
	WM000667	O-ring	
	WM023021	Plug	
5		Pin, valve	
6		Yorke meter	
7	WM000516	Piston ass'y	
8		SHCS	
9	WM020020-0001	Meter dome	
10	WM010860	C-spring	
11		Magnetic disc	

9 Hydraulic cabinet - tubes and couplings

No.	Part Number	Description	Amount
12		Leaf spring	
13		Seal, V-pack	
14		Valve	
15	WM000509	Rulon bearing	
16		Locator pin	
17		----	
18		Meter body	
19		Bearing	
20		Washer	
21		Crank ass'y	
22		Retaining washer	
23		Retaining ring	
24	WM000639	Taptite seal screw (hex head)	
	WM000638	Taptite screw, hex head, M6 L=1/2" with washer	
	WM000638-0001	Taptite screw, hex head, M6 L=3/4" with washer	
25		Cover	
	WM020586	Pressed (std)	
	WM001425	Casting	
26	---	---	
27	WM001103	Gasket	

9.8 Pulser to iMeter™



Cables, see page 345.



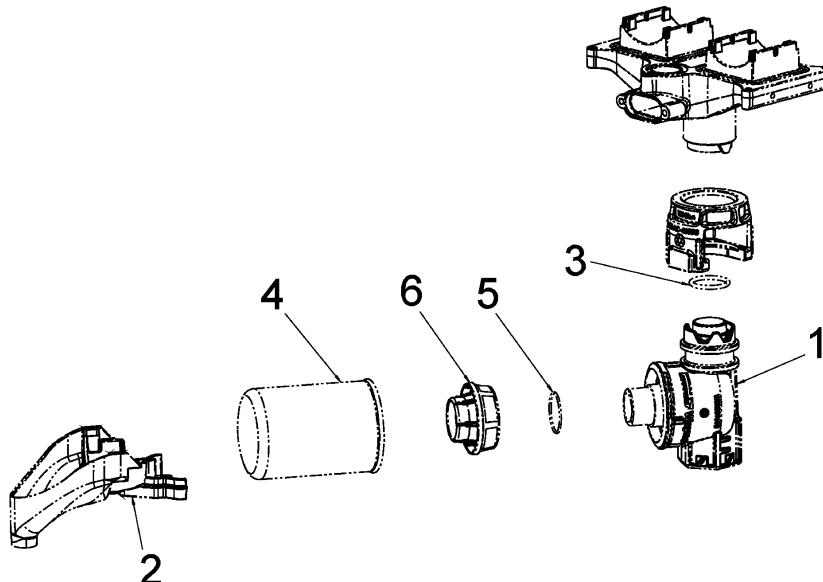
WARNING!

Electrical components under ATEX marked with
Ex must not be repaired and should be replaced as complete spare part in case of operational functional failure.

No.	Part Number	Description	Amount
1		Pulser, wip	
	WM001682-0002	- UL	1
	WM001682-0005	- IEC	1
2	WB000228-0003	Nut, M6	2
3	WB000211-0001	Screw, hexagon socket CAP, M6	2
4	WB000396-0001	Self tapping screw, poz, pan head, tYPE C ST2,9x13	2

No.	Part Number	Description	Amount
5	WM040834-0001	Moulded vapor barrier grommet and cable L=950	1

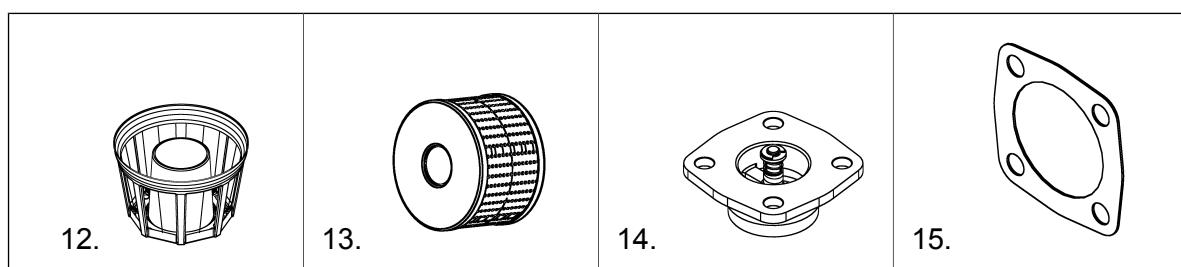
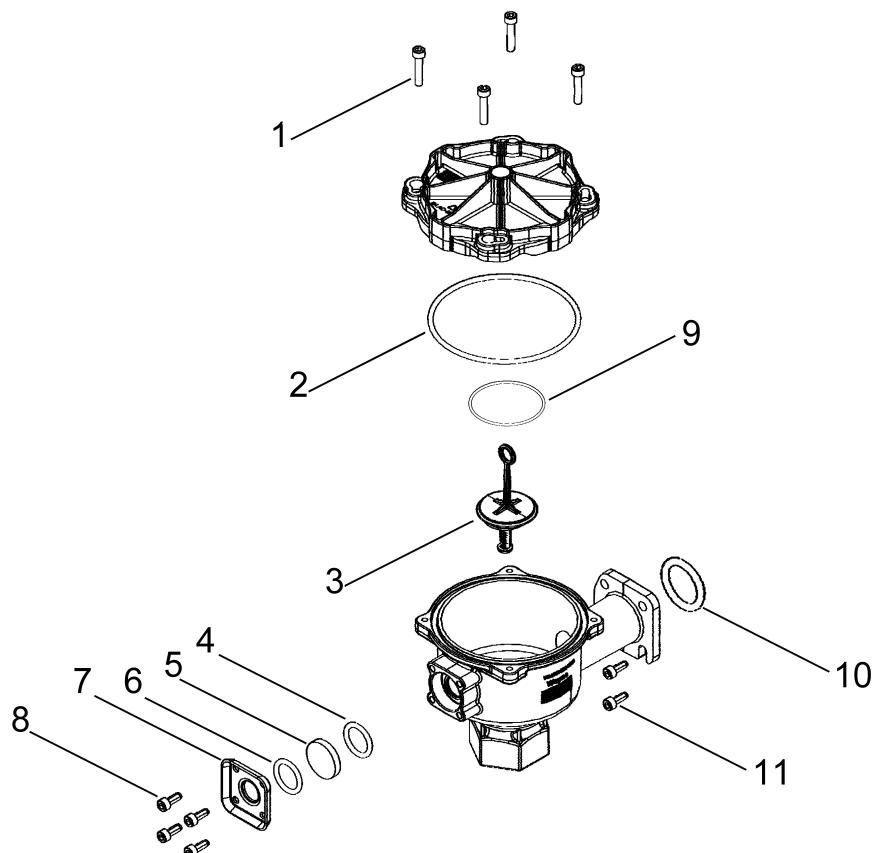
9.9 Filter, adaptor, nut, spout subassembly (remote)

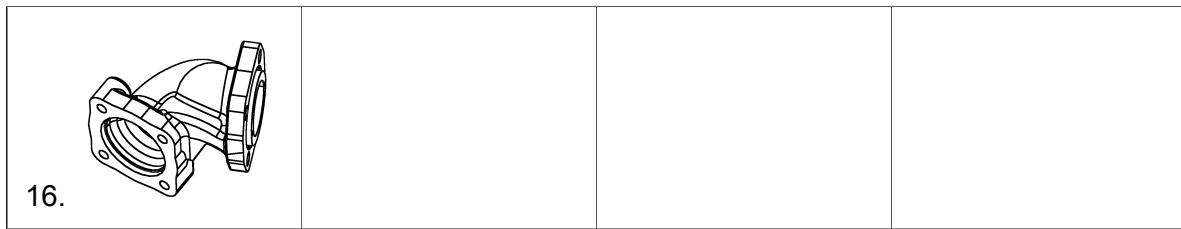


No.	Part Number	Description	Amount
1		Remote inlet, filter screen	
	WM039699-0004	- Std	
	WM039699-0005	- Anodized	
	WM039699-0006	- Hard anodized	
2	WM037130	Spout	
3	WM038598-0001	O-ring, t=4, id=34	
4		Stainer	
	WM011606-0001	- Gasoline & diesel, 10 micron	
	WM011606-0002	- Ethanol & biodiesel, 1 micron	
	WM011606-0003	- Hydrosorb diesel, 30 micron	
	WM011606-0004	- Gasoline & diesel, high speed, 30 micron	
	WM011606-0005	- Ethanol & biodiesel, High Speed 1 micron	
	WM011606-0006	- XL gasoline & diesel, 30 micron	
	WU007337-0002	- Alcohol monitor, 10 micron, 1-1/2 - 16 UNF THD	

No.	Part Number	Description	Amount
5	WM033193-0002	O-ring for filter (WM032398-000X)	
6	WM031449	Strainer 120 micron	
7	WM037609	Gasket fluor silicon	
8	WM034667	Cap	
-	WM059981-0001	Gasket 8x10, L=60	2
-	WM059982-0001	Gasket 4x10, L=10	1

9.10 Filter pot (suction)





No.	Part Number	Description	Amount
		Inlet suction with check valve	
	WM049971-0005	- NPT, impregnated	1
	WM049971-0006	- NPT, sight glass, impregnated	1
	WM049971-0007	- BSPT, impregnated	1
	WM049971-0008	- BSPT, sight glass, impregnated	1
	WM059505-0005	- NPT, impregnated (suction UL)	1
1	WB000211-0013	Screw. hexagon socket cap. M6x30	4
2	WU006953-0001	O-ring t=4, id=120	1
3	-----	Valve, change WM049971-000X (see above)	1
4	WM003021	O-ring t=4. id=24	1
5	WU006855	Glass	1
6	WM003021	O-ring t=4. id=24	1
7	WM049681	Cover	1
8	WB000260-0001	Taptite screw, hexagon socket cap, M6x16	4
9	WM045433-0004	O-ring t=4, id=62	1
10	WM000464	O-ring t=2, id=47	1
11	WB000212-0002	Screw, hexagon socket cap, M8x16	4
12	WM051587-0001	Strainer, 80 micron	1
13		Filter	
	WM051632-0001	- Cellulose, standard 25 micron	1
	WM051632-0002	- Cellulose, hydro stop, 25 micron	1
	WM051632-0003	- Polyester, biodiesel, 30 micron	1
14	WM058150-0001	Inlet, check valve	1
15	WM058202	Gasket, flat	1
16	WM057905	Coupling inlet 67°	1

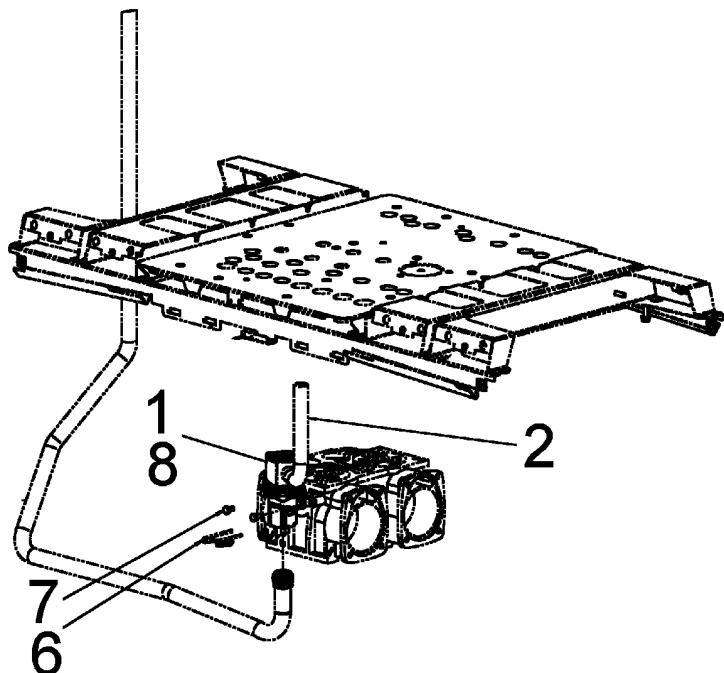
No.	Part Number	Description	Amount
--	WB000212-0005	Screw, hexagon socket cap, M8x25	4

9.11 Filter pot (suction UL)

No.	Part Number	Description	Amount
1		Inlet suction, filter pot	
	WM059505-0001	- NPT	1
	WM059505-0002	- NPT, sight glass	1
	WM059505-0003	- BSPT	1
	WM059505-0004	- BSPT, sight glass	1
	WM059505-0005	- NPT, IMP	1
	WM059505-0006	- NPT, sight glass, IMP	1
	WM059505-0007	- BSPT, IMP	1
	WM059505-0008	- BSPT, sight glass, IMP	1
2	WM045433-0004	O-ring T=4, ID=58,5	
3	WM000464-0001	O-ring T=2, ID=47	2
4	WB000212-0002	Screw, hexagon socket cap, M8x16	4
5		Filter/Strainer	
	WM051587-0001	- Strainer 80 micron	1
	WM051632-0001	Filter, cellulose, standard, 25 micron	1
	WM051632-0002	Filter, cellulose hydro stop, 25 micron	1
	WM051632-0003	Filter polyester, biodiesel, 30 micron	1
6	WM057905-0001	Coupling inlet 67° (1x)"	1
7	WB000213-0003	Screw, hex head, M8x20	3
8	WU011829	Coupling, 90 degree 1 1/2"	2
9		Tube suction inlet	
	wm059375	Tube suction inlet L=63.5, 1 1/2" NPT	1
	WU011827-0002	- Left, L=88.9, 1 1/2"NPT	1
	WU011827-0003	- Right, L=114.3, 1 1/2"NPT	1

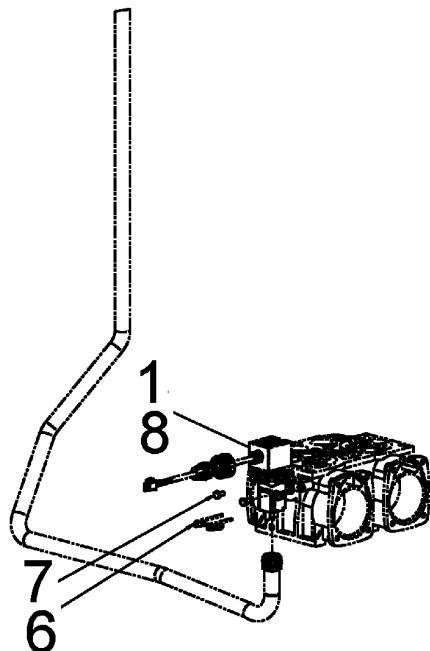
9.12 Solenoid Valve, single

9.12.1 Solenoid Valve, single, UL



No.	Part Number	Description	Amount
---	WM048316-0006	Gasket sealing, l=63.5 mm	
---	WU007059	Sealing compound, rockite cement	
1		Solenoid valve	
	WM044752-0001	Proportional, single UL, ALU body	1
	WM044754-0001	Proportional, single UL, brass body Ni plated	1
	WM044755-0001	Proportional, single UL, brass body Ni plated	1
	WM044756-0001	Proportional, single UL, brass body Ni plated	1
2		Tube, conduit 1/2"	
	WM040845	- Solenoid valve	
	WM040846	- Solenoid valve	
3	WM048316-0006	Gasket sealing, l=63.5 mm	1
4	WU007059	Sealing compound, rockite cement	
5	---	---	
6	WM043174	Lock pin wire dia=3.2mm	1
7	WB000629-0003	Screw, hex head, M6x12	2
8	WM046966-0001	O-ring	

9.12.2 Solenoid Valve, single, IEC



No.	Part Number	Description	Amount
1		Solenoid valve	
	WM045522-0001	- Proportional, single IECEX, alu body	0-8
	WM045522-0002	- Proportional, single IECEX, compcote alu body	0-8
	WM045522-0003	- Proportional, single IECEX, InMetro, alu body (Brazil)	0-8
	WM045522-0004	- Proportional, single IECEX, alu body (L=1750) (only for Helix 6000 55-55)	2
	WM045525-0001	- Proportional, single IEC EX, brass body	0-8
	WM044745-0001	- Proportional, single IECEX, alu body (L=3m)	
	WM044745-0003	- Proportional, single IECEX, compcote alu body (L=3m) (Europe)	
	WM044745-0005	- Proportional, single IECEX, compcote alu body (L=3m) (Brazil)	
	WM044745-0002	- Proportional, single IECEX and Inmetro, alu body (L=3m)	
	WM044745-0001	- Proportional, single IECEX, alu body (L=3m) (only for Helix 6000 55-55)	
	WM044747-0001	- Proportional, duplex IECEX, brass body	

No.	Part Number	Description	Amount
	WM044747-0001	- Proportional, duplex, single equipped right, IECEx, brass body	
2	---	---	
3	---	---	
4	---	---	
5	---	---	
6	WM043174	Lock pin wire DIA=3,2mm	1
7	WB000629-0003	Screw, hex head, M6x12	2
8	WM46966-0001	O-ring	

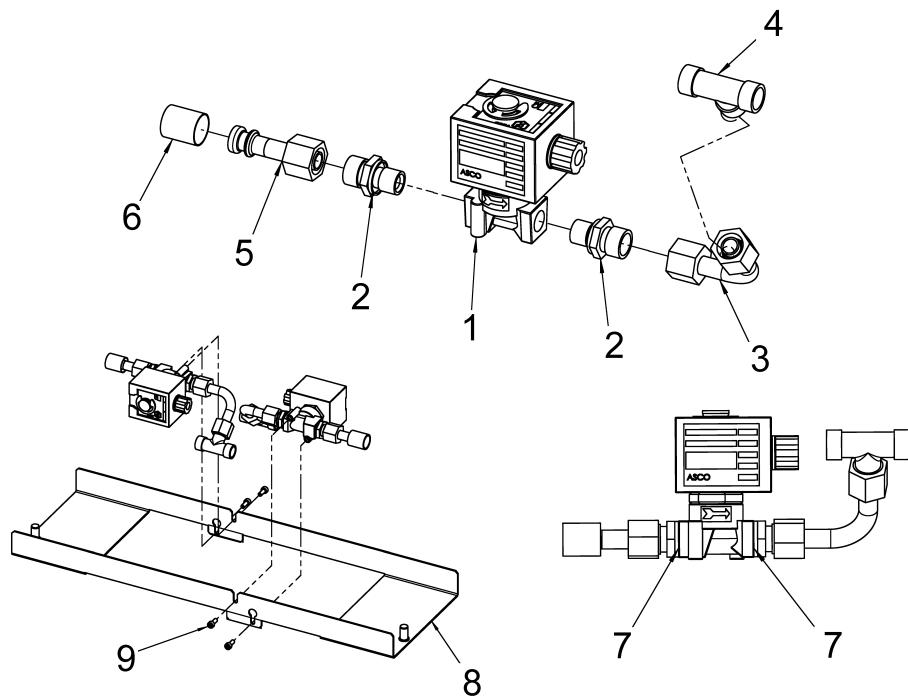
9.12.3 Solenoid Valve, duplex, UL

No.	Part Number	Description	Amount
1		Solenoid valve	
	WM044757-0001	- Proportional, duplex UL, brass body	
	WM044758-0001	- Proportional, duplex UL, brass body Ni plated	
	WM044759-0001	- Proportional, duplex , single equipped right, UL, brass body	

9.12.4 Solenoid Valve HS

No.	Part Number	Description	Amount
1	WP000443-0001	Solenoid valve potted conduit asy,side1, HS	
2	WP000443-0002	Solenoid valve potted conduit asy,side2, HS	
3	WP000372-0001	Solenoid valve, 2-stage parker, 1.5NPT 24V	

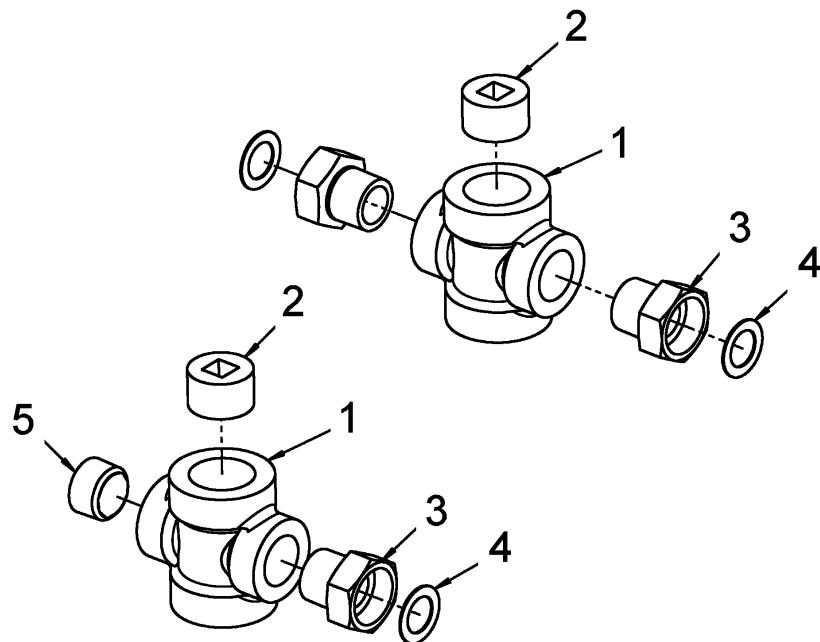
9.13 Self check valve, Helix 6000



No.	Part Number	Description	Amount
1	WM021576-0001	Solenoid valve, on/off, single, female r 1/4, cable = 3m (metallic head)	2
	WM021576-0003	Solenoid valve, on/off, single, female r 1/4, cable = 1.25m (metallic head) (polymer head)	2
2	WM020593	Coupling, straight male ge 1/4" d=10	2
3	WM047566	Tube, vapour coupling - vapour gate, check valve	2
4	WM020460	Coupling, T-coupling d=10	2
5	WM021787	Tube, vapour vapourgate, prop.valve - filter, A and B side	2
6	WM021571	Strainer 200 microns	2
7	WM003160	Sealant Loxeal 58-11, thread sealant	
8	WM054895	Bracket self check valve	1
9	WB000209-0001	Screw, hexagon socket CAP, M4x10	4

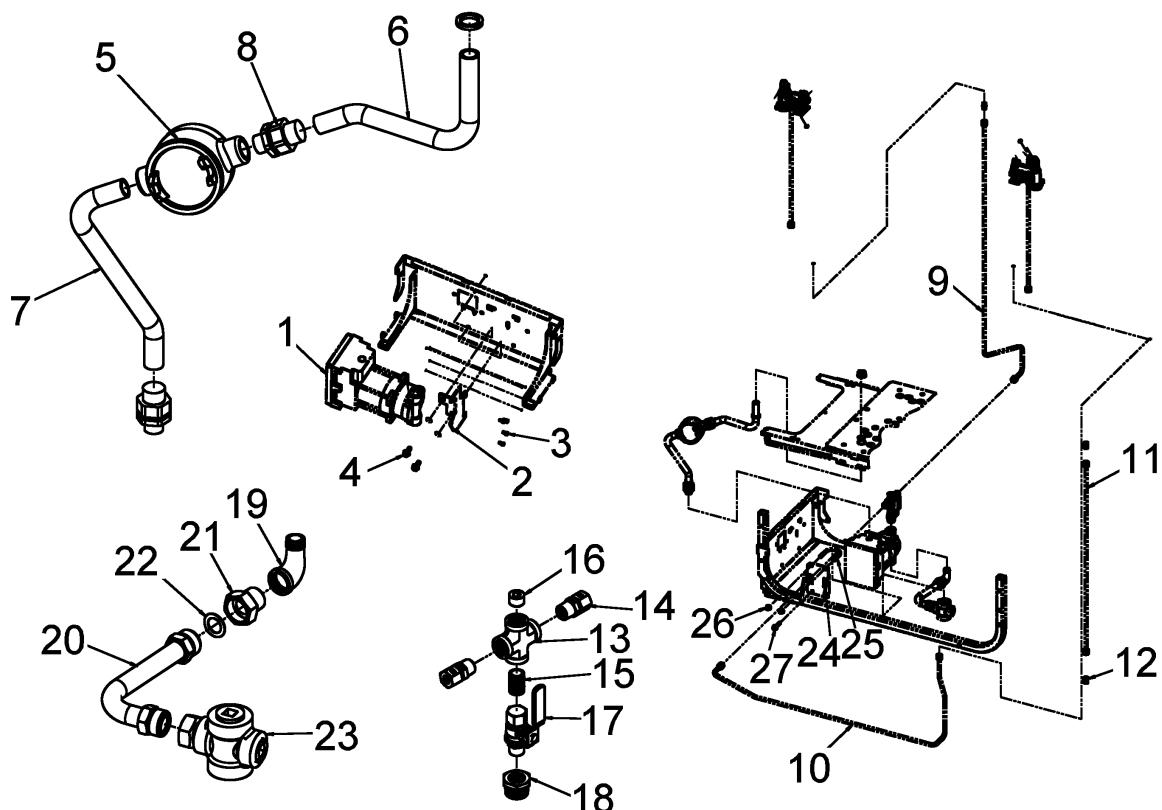
9.14 Healy VR

9.14.1 Coupling cross, Healy and Wayne VAC



No.	Part Number	Description	Amount
1	WM042419	Coupling, cross 1"x1"x3/4"x3/4"	
2	WM002001	Plug screw cut 1"	
3	WM042421	Coupling, straight flare fitting for 7/8" ODT with 3/4"-14	1 or 2
4	WU007084	Washer, plain 1.135 od x .72 id, flare	1 or 2
5	WT002795-0004	Plug hexagon socket 3/4 " NPT male	

9.14.2 Healy VR



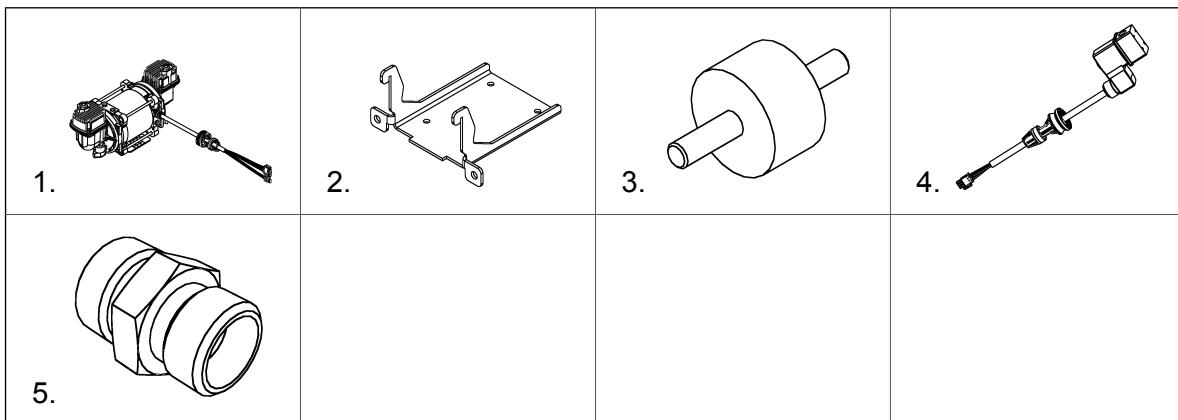
No.	Part Number	Description	Amount
1		Vapor pump Healy	1
	WU003323-0001	- 115V	
	WU003323-0002	- 220V	
2	WM040150	Support, L-shape bracket	1
3	WU007712	Screw hex socket	4
4	WM043586-0001	Taptite screw hexagon flange, M8x20	2
5	WU007939-0001	Junction box 1/2" conduit crouse hinds	1
6		Tube, conduit Healy	
	WU008242-0001	- Wide	1
	WU008241-0001	- Narrow	1
7	WM041027	Tube, conduit 1/2"	1
8	WM042428	Coupling 1/2" NPT conduit union	2
9	WM048620	Tube, vapor id/od 8/10	1
10		Tube, vapor id/od 8/10 (Healy)	
	WM048622	- Wide	1

No.	Part Number	Description	Amount
	WM048619	- Narrow	1
11	WM048617	Tube, vapor id/od 8/10 (Healy)	1
12	WU007625-0001	Coupling union 10mm to 10mm tube	1, 2 or 3
13	WU007399-0001	Coupling, cross 3/8 NPT	1
14	WU007412-0001	Coupling fitting, compression 3/8 NPT - 10 mm tube	2
15	WU002669-0001	Inlet nipple, 3/8 x 1" LG	1
16	WU007720-0001	Plug 3/8 NPT	1x if double sided, 2x if single
17	WU007703-0001	Ball valve 3/8 NPT M X F UL listed	1
18	WU007085	Bushing reducer, 3/4 to 3/8 HEX	1
19	WU002005-0001	Coupling, 90 degree 3/4-14 NPT X 1/2-14 NPT	1
20	WM042216	Tube, vapor flanged 7/8" Healy out (1x)	1
21	WM042421	Coupling, straight flare fitting for 7/8" ODT with 3/4"-14	1
22	WU007084	Washer, plain 1.135 od x .72 id, flare	1
23		Assembly instruction coupling cross	
	WM042423-0001	- 2 plug	1
	WM042423-0002	- 1 plug	1
24	WM040414	Support, box shape bracket VR out	1
25	WM042420	Clamp U-shape, thread M8	1
26	WM023307-0001	Lock nut, M8 , hex flange	2
27	WM043586-0002	Taptite screw, hexagon flange, M8x40	1
---	WM061952	Coupling, straight male 3/4" x female 3/8" NPT	1
---	WM061951-0001	Coupling fitting, compression 3/8 NPT - 12mm tube	2

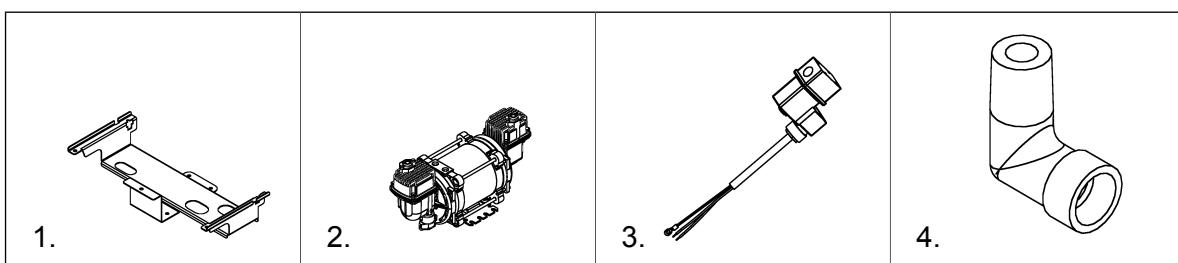
9.15 Dürr VR

No.	Part Number	Description	Amount
1		Combined unit, vapor pump and motor	
	WM047406	- Single phase 230V, 1 pump (for polymer head)	1
	WM047407	- Single phase 230V, 2 pumps (for polymer head)	1
	WM047408	- 3-phase 230V, 1 pump (for polymer head)	1
	WM047409	- 3-phase 230V, 2 pumps (for polymer head)	1
	WM047410	- 3-phase 400V, 1 pump (for polymer head)	1
	WM047411	- 3-phase 400V, 2 pumps (for polymer head)	1
	WM059460	- Single phase 230V, 1 pump (for metallic head)	1
	WM059463	- Single phase 230V, 2 pumps (for metallic head)	1
	WM059461	- 3-phase 230/400V, 1 pump (for metallic head)	1
	WM059464	- 3-phase 230/400V, 2 pump (for metallic head)	1
	WM059459	- 3-phase 400V, 1 pump (for metallic head)	1
	WM059462	- 3-phase 400V, 2 pumps (for metallic head)	1
2	WM020433	Coupling, 90 degree male WE 1/4" d=10	2, 3, 4 or 6
3	WM040140	Support, box shape bracket VR motor	1
4	WM053920	Support, box shape vapour recovery pump remote Helix 6000	1
5	WM043586-0001	Taptite screw hexagon flange, M8x20	2
6	WM021234	Damper rubber, male-male	4
7	WB000229-0003	Lock nut, M6	4
8	WM059599-0001	Solenoid valve, proportional, single vapour recovery, com (polymer head)	1 or 2
	WM059599-0002	Solenoid valve, proportional, single, vapour recovery, L=3000	1 or 2
9	WM020593	Coupling, straight male GE 1/4" d=10	1, 2 or 4

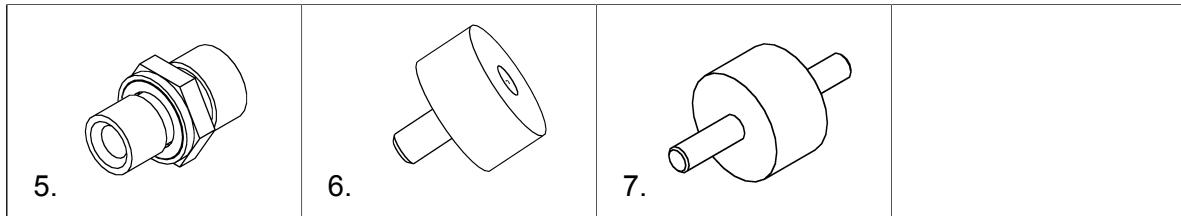
No.	Part Number	Description	Amount
10	WB000209-0001	Screw, hexagon socket cap, M4x10	2 or 4
11	WM046374-0001	Tube, flexible valve-pump l=520	1
12	WM046374-0002	Tube, flexible valve-pump l=720	1
13	WM046374-0003	Tube, flexible valve-pump l=920	1
14	WM048991	Tube, vapour od=10, pump, side A - ground	1
15	WM042287	Tube, vapour od=10, pump, side B - ground	1
16	WM040693	Tube, vapor od=10, damper - vapor gate	1 or 2
17	WM048989	Tube, vapor od=10, damper - solenoid, side A	0 or 1
18	WM040695	Tube, vapor od=10, damper - solenoid, side B	0 or 1
19	WM054060	Tube, vapour od 10, pump, side A - ground	1
20	WM038082	Damper	1 or 2
21	WM038133-0004	Vapor meter overmolded cable 2,65 m (polymer head)	1 or2
	WM038133-0002	Vapor meter overmolded cable 2,65 m (metallic head)	1 or2
22	WB000629-0003	Screw, hex head, M6x12	2 or 4
23	WB000716	Washer, lock, M6	2 or 4
24	WM012100	Pin	3 or 6
25		Assembly instruction check valve	
	WM047571-0001	- Column left -T-coupling	
	WM047571-0002	- Column right -T-coupling	
	WM047571-0003	- Column left - cross	
	WM047571-0004	- Column right - cross	
	WM047571-0005	- Column left -T-coupling, straight	
	WM047571-0006	- Column right -T-coupling, straight	
	WM0628743	Support, box shape bracket VR motor	

9.16 Vapor recovery, IEC

No.	Part Number	Description	Amount
1		Combined unit, vapor pump and motor	
	WM047406	- 1-phase 230V, 1 pump	1
	WM047407	- 1-phase 230V, 2 pumps	1
	WM047408	- 3-phase 230V, 1 pump	1
	WM047409	- 3-phase 230V, 2 pumps	1
	WM047410	- 3-phase 400V, 1 pump	1
	WM047411	- 3-phase 400V, 2 pumps (on picture)	1
2	WM040140	Support, box shape bracket VR motor	1
3	WM021234	Damper rubber, male-male	4
4	WM059599-0001	Solenoid valve, proportional, single vapour recovery, com (polymer head)	1
	WM059599-0002	Solenoid valve, proportional, single, vapour recovery, L=3000	1
5	WM062509	Coupling union 12mm to 10mm tube	

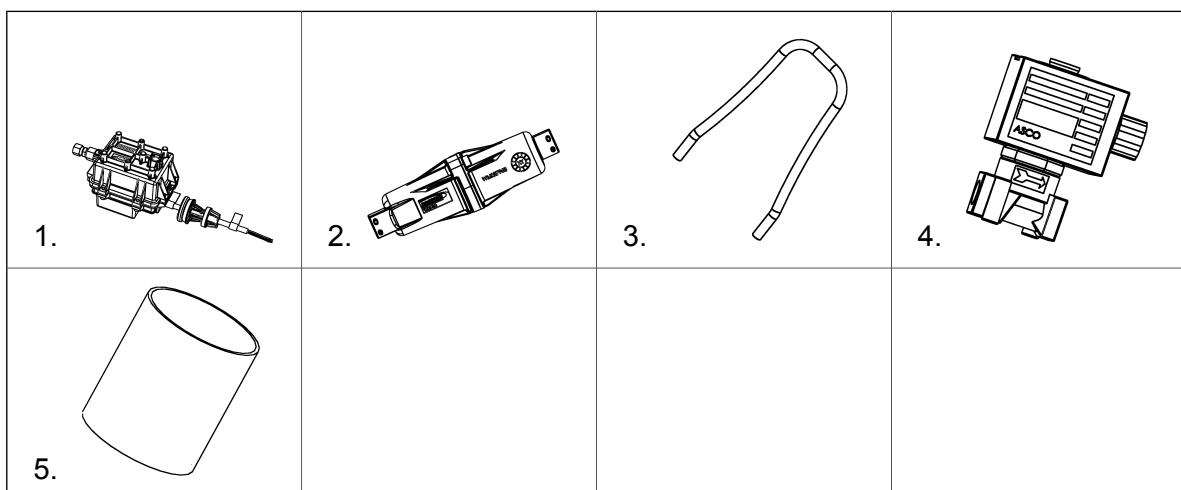
9.17 Vapor recovery Helix 1000

9 Hydraulic cabinet - tubes and couplings



No.	Part Number	Description	Amount
1	WM051896	Support, box shape vapour recovery	1
2		Combined unit, vapour pump and motor	1
	WM029739	- 3-phase 400V, 2 pumps (on picture)	
	WM029738	- 3-Phase 400V, 1 pumps	
	WM029737	- 3-phase 230V, 2 pumps	
	WM029736	- 3-Phase 230V, 1 pump	
	WM029735	- Single phase 230V, 2 pumps	
	WM029734	- Single phase 230V, 1 pump	
3	WM059599-0002	Solenoid valve, proportional, single, vapour recovery, L=3000	0-2
4	WM020433	Coupling, 90 degree male we 1/4" d=10	1-2
5	WM020593	Coupling, straight male ge 1/4" d=10	1-2
6	WM022523	Damper rubber, male-female	4
7	WM021234	Damper rubber, male-male	

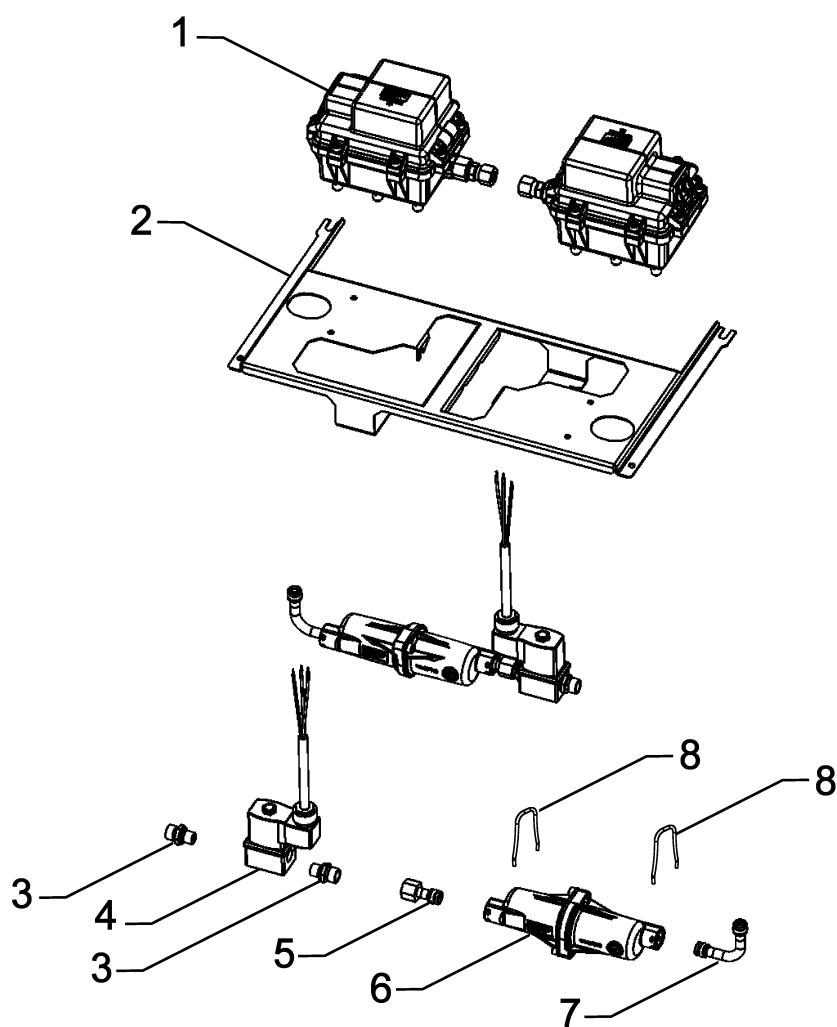
9.18 VaporGate



No.	Part Number	Description	Amount
1	WM038133-0004	Vapor meter	1

No.	Part Number	Description	Amount
2	WM038082	Damper	3
3	WM012100	Pin	1
4	WM021576-0003	Solenoid valve, on/off, single , female R1/4, over moulded cable 1,25m (polymer head)	1
	WM021576-0001	Solenoid valve, on/off, single , female R1/4, over moulded cable 3m (metallic head)	1
5	WM021571	Strainer 200 microns	1

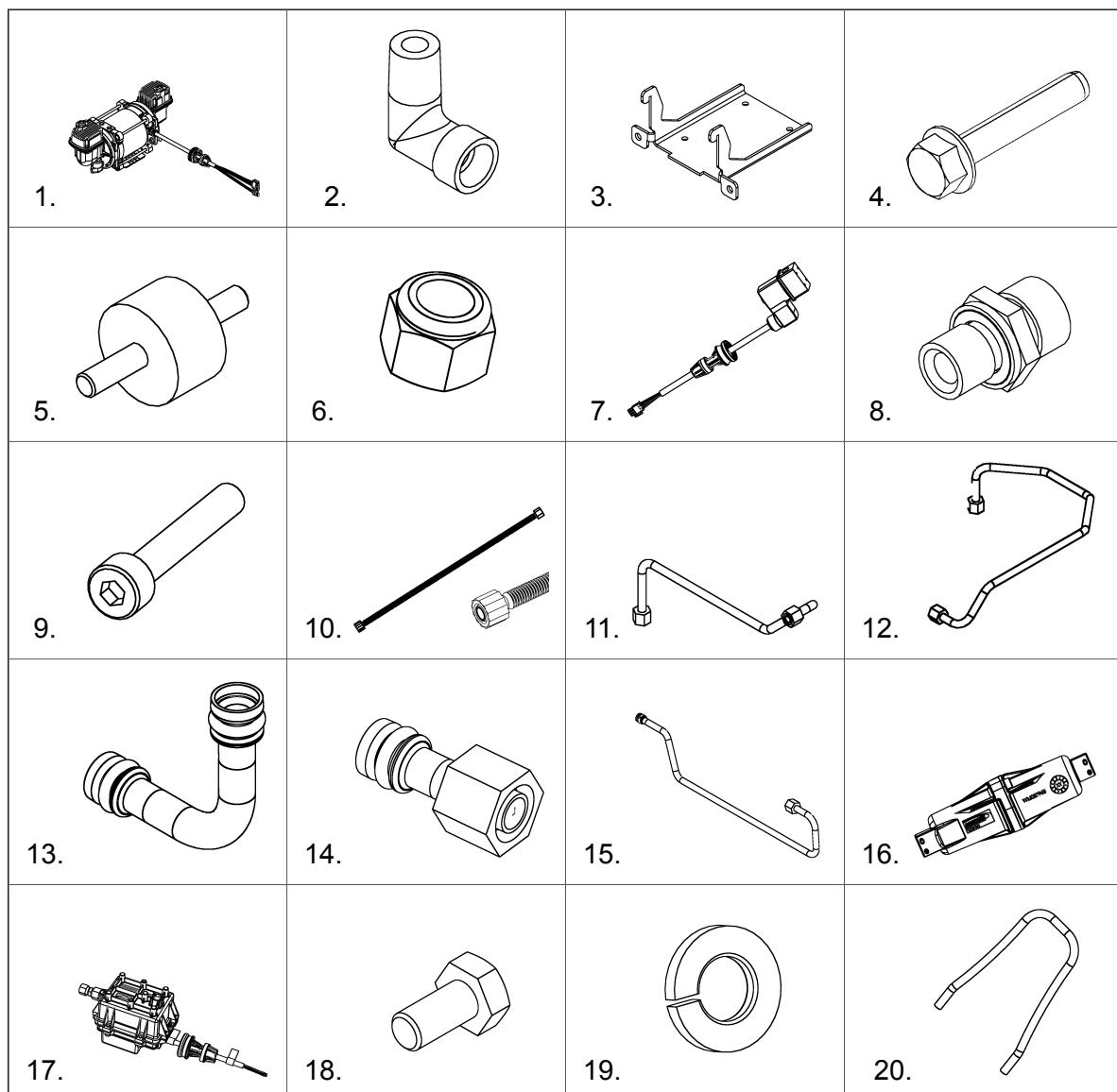
9.19 VaporGate Helix 1000



No.	Part Number	Description	Amount
1	WM038133-0001	Vapour meter without cable	1-2
2	WM051899	Support, box shape vapour gate	1

No.	Part Number	Description	Amount
3	WM020593	Coupling, straight male ge 1/4" d=10	2-4
4	WM059599-0002	Solenoid valve, proportional, single, vapour recovery, L=3000	1-2
5	WM040697	Tube, vapour do 10, damper - solenoid, side A	1-2
6	WM038082	Damper	1-2
7	WM040693	Tube, vapor do 10, damper, Vapor gate	1-2
8	WM012100	Pin	2-4

9.20 Vapor recovery Helix 6000

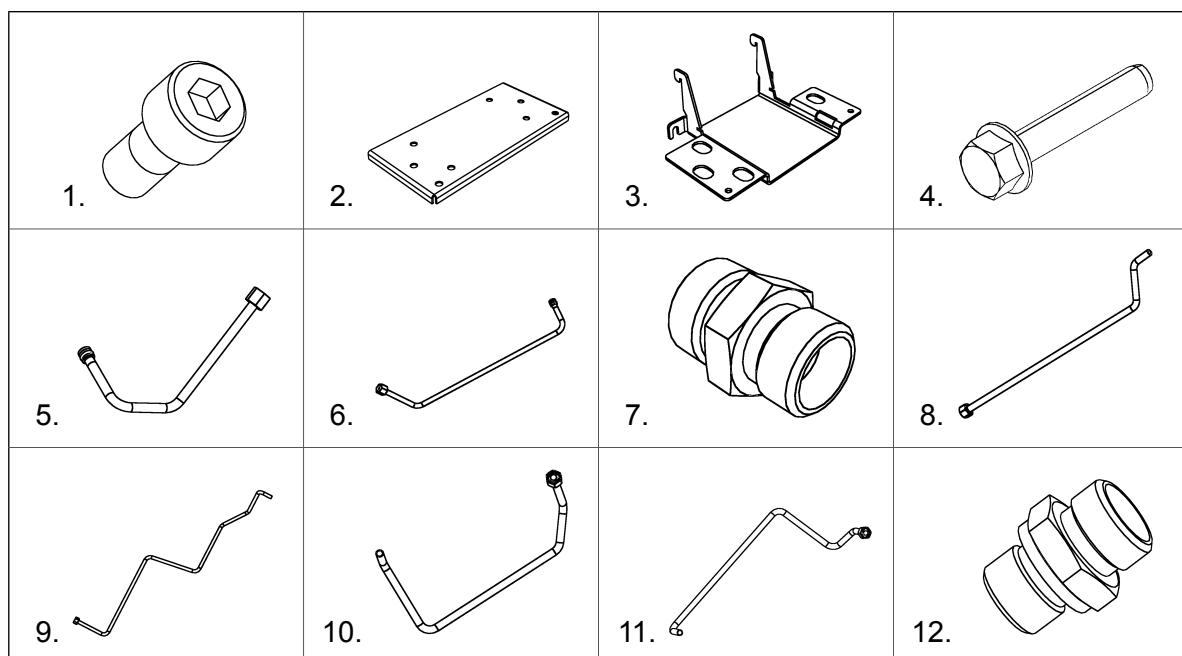


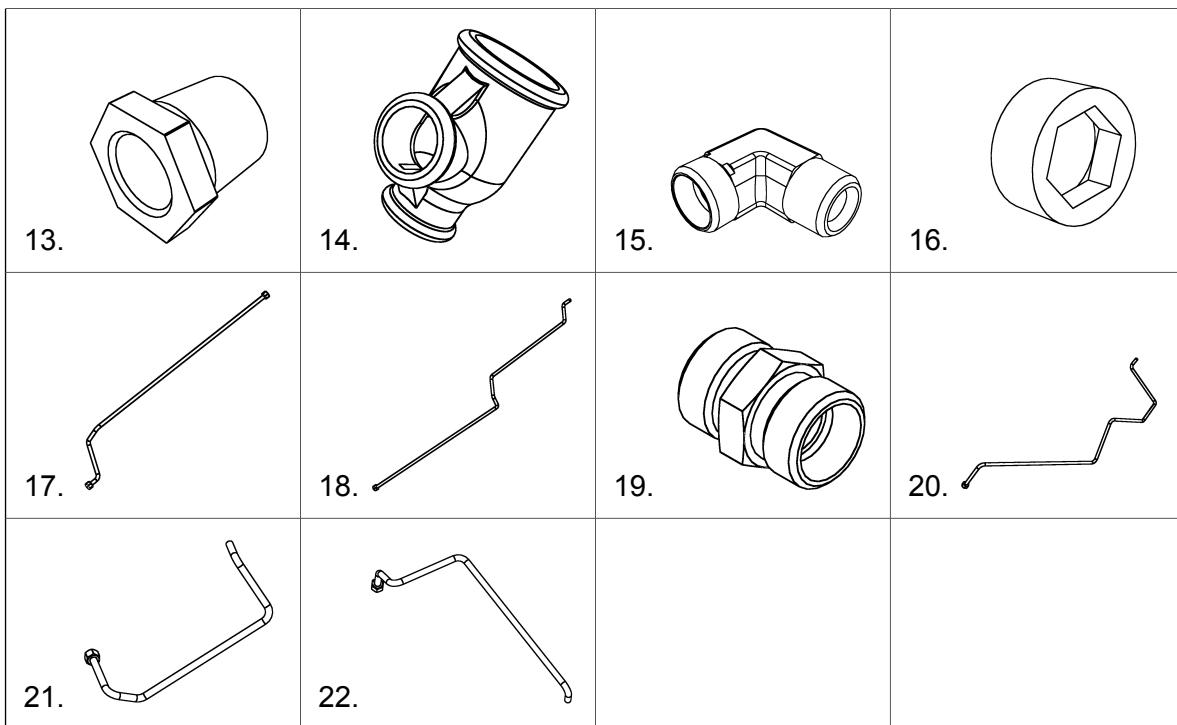
No.	Part Number	Description	Amount
1		Combined unit, vapour pump and motor	
	WM047406	- Single phase 230V, 1 pump	1
	WM047407	- Single phase 230V, 2 pumps	1
	WM047408	- 3-phase 230V, 1 pump	1
	WM047409	- 3-phase 230V, 2 pumps	1
	WM047410	- 3-phase 400V, 1 pump	1
	WM047411	- 3-phase 400V, 2 pumps (on picture)	1
2	WM020433	Coupling, 90 degree male WE 1/4" D=10	5 or 3
3		Support, box shape bracket VR motor	
	WM040140	- Suction (on picture)	1
	WM053920	- Remote	1
4	WM043586-0001	Taptite screw hexagon flange, M8x20	Suction 2 Remote 4
5	WM021234	Damper rubber, male-male	4
6	WB000229-0003	Lock nut, M6	4
7	WM059599-0001	Solenoid valve, proportional, single vapour recovery, com (polymer head)	1 or 2
	WM059599-0002	Solenoid valve, proportional, single, vapour recovery, L=3000	1 or 2
8	WM020593	Coupling, straight male GE 1/4" D=10	5 or 4
9	WB000209-0001	Screw, hexagon socket cap, M4x10	2 or 4
10		Tube, flexible valve-pump	1
	WM046374-0001	- l=520	
	WM046374-0002	- l=720	
	WM046374-0003	- l=920	
11		Tube, vapour od 10, pump, side A - ground	
	WM048991	- Suction, 3 phase (on picture)	1
	WM054060	- Suction, 1 phase	1

9 Hydraulic cabinet - tubes and couplings

No.	Part Number	Description	Amount
	WM051586	- Remote	1
12		Tube, vapour od 10, pump, side B - ground	
	WM048989	- Suction (on picture)	1
	WM051582	- Remote	1
	WM060891	- Remote (when one phase 230V VR motor used)	1
13	WM040693	Tube, vapour do 10, damper - vapour gate (Vapour gate)	1 or 2
14	WM040697	Tube, vapour do 10, damper - solenoid, side A (Vapour gate)	1 or 0
15	WM040695	Tube, vapour do 10, damper - solenoid, side B (Vapour gate)	1 or 0
16	WM038082	Damper (Vapour gate)	1 or 2
17	WM038133-0004	Vapour meter overmolded cable 2,65m (Vapour gate)	1 or 2
18	WB000629-0003	Screw, hex head, M6x12 (Vapour gate)	2 or 4
19	WB000716	Washer, lock, M6 (Vapour gate)	2 or 4
20	WM012100	Pin (Vapour gate)	3 or 6

9.21 Nuovo Pignone Vapor Recovery (NP VR)

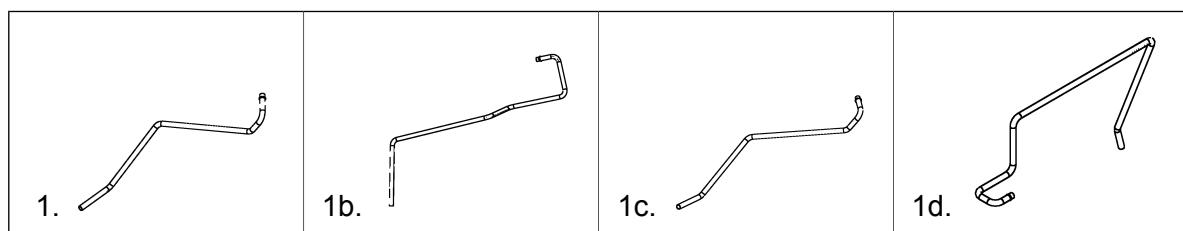
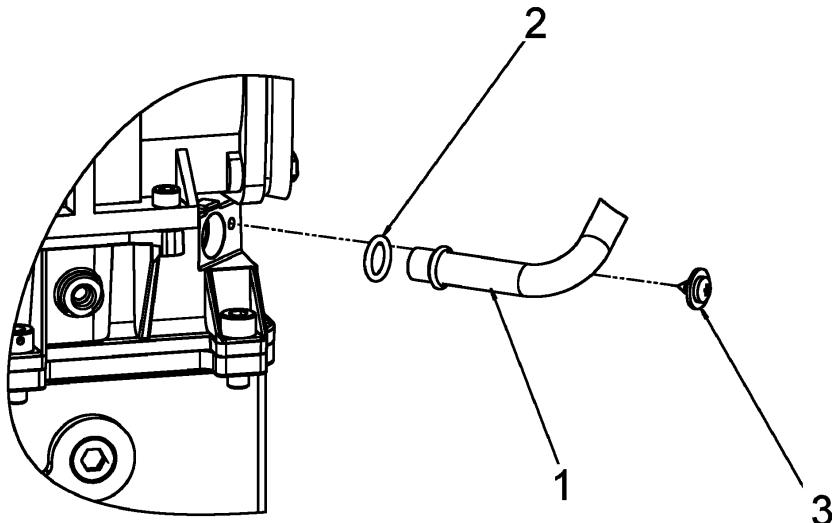


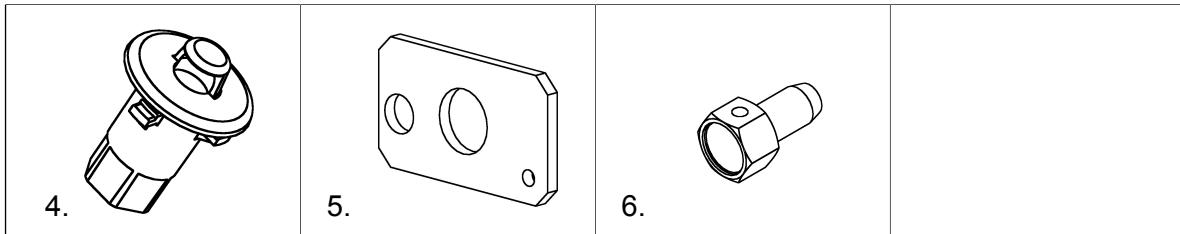


No.	Part Number	Description	Amount
1	WM012050-0001	Screw, hexagon socket cap, M8x16, with tuflok locking patch	3 or 6
2	WM061429	Support, box shape bracket VR NFB motor	1
3	WM061411	Support, L-shape flange VR NFB motor	1
4	WM043586-0003	Taptite screw, hexagon flange, M8x16	4
5	WM062416	Tube, vapour id/od 10/12, Union - hose con. left	1 or 0
6	WM062447	Tube, vapour id/od 10/12, Union-hose con. right	1 or 0
7	WM062509	Coupling Union 12mm to 10mm tube	1 or 2
8	WM061524	Tube, vapour id/od 10/12, pump side A - Union	1 or 0
9	WM061527	Tube, vapour id/od 10/12, pump side B - Union	1 or 0
10	WM061516	Tube, vapour id/od 10/12, pump side A - ground	1 or 0
11	WM061519	Tube, vapour id/od 10/12, pump side B - ground	1 or 0
12	WM062505	Coupling, straight male GE3/8" D=12	1
13	WB000343-0001	Bushing , male R1/2" x female Rp3/8"	2

No.	Part Number	Description	Amount
14	WB000344-0001	Coupling, T-coupling , female Rp1" x Rp1/2" x Rp1/2"	1
15	WT001138	Coupling, 90 degree male 3/8" taper - DN12	1 or 0
16	WB000367-0002	Plug , hexagon socket pipe plug R3/8"	1 or 0
17	WM061532	Tube, vapour id/od 10/12, pump side B - column, narrow	1 or 0
18	WM061538	Tube, vapour id/od 10/12, pump side A - column	1 or 0
19	WM063204	Coupling union 12mm to 12mm tube	1 or 0
20	WM061540	Tube, vapour id/od 10/12, pump side B - column, wide	1 or 0
21	WM061534	Tube, vapour id/od 10/12, pump side A - ground, wide	1 or 0
22	WM061536	Tube, vapour id/od 10/12, pump side B - ground, wide	1 or 0

9.22 Air separation (suction)

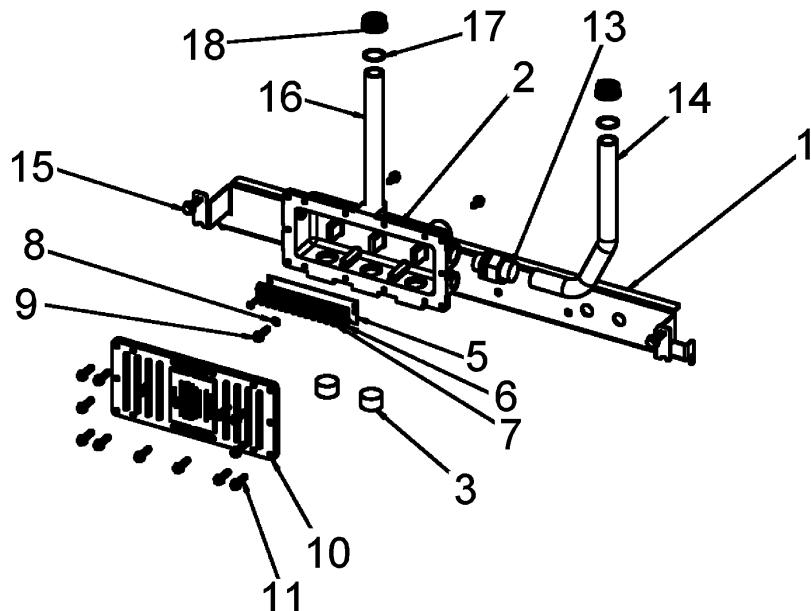




No.	Part Number	Description	Amount
		Tube, air venting id 10/od 12	
1	WM059665	- iMeter™	1
1b	WM059667	- xFlo™	1
1c	WM053720	- iMeter™ - GS H replacement to BP, 3rd Hydraulic position.	1
1d	WM053895	- xFlo™ - GS H replacement to BP, 3rd Hydraulic position.	1
2	WM006700-0001	O-ring t=2.62, id=11.91	1
3	WM013248	Self tapping screw, Torx, pan head, type C ST4,8 x 9.5 with washer plain od=15, t=1.2	iMeter 1 xFlo 2
4	WM011355	Plug for air venting	1
5	WR000195-0001	Latch for tube	1
6	WR002125	Seal screw, hex head	1

9.23 Junction box

9.23.1 Junction box, Helix 2000, 4000, 5000, UL

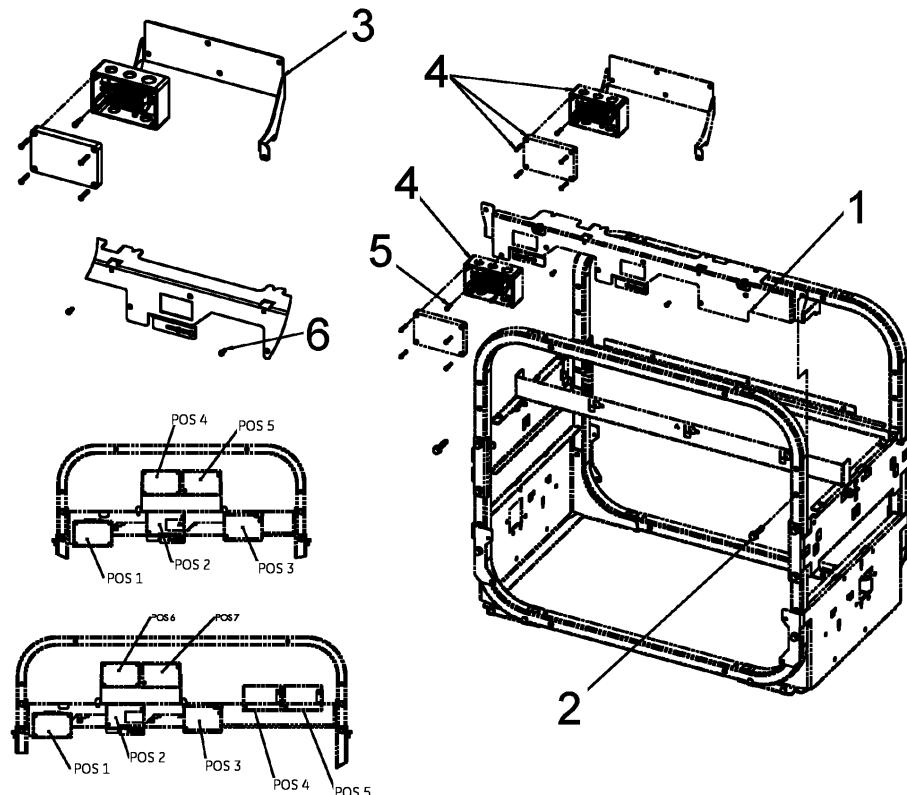


Cables, see page 338.

No.	Part Number	Description	Amount
1		Support, box shape UL electrical support	1
	WU011825-0001	- Narrow, suction	
	WM041003-0001	- Narrow, remote	
	WU011825-0002	- Wide, suction	
	WM041003-0002	- Wide, remote	
	WP000355-0001	- High speed	
2		Housing junction box	
	WU000305-0004	- Holes A, C	1
	WU000305-0005	- Holes A, C, D, E	1
	WU000305-0006	- Holes A, C, E	1
	WU000305-0007	- Holes A, B, C, D, E, F, G	1
3	WM002001	Plug screw cut 1" - 11 NPTF X 19.05 mm long	
	WT002795-0002	Plug, 1/2" NPT hex socket	
	WT002795-0004	Plug, 3/4" NPT hex socket	
4	WU007377-0001	Screw Shakeproof thread former, 1/4-20x.625	2
5	WU007088	Terminal block marking strip, 12 pos	
6	WU007089	Terminal block double row, 12 pos	
7	WU007378-0001	Screw ind hex head 8-32x .750	2
8	WU007091	Washer cup #10-H terminal	
9	WU007379-0001	Screw ind hex 10-32x.375 green	1
10	WU000303-0001	Cover	1
11	WU007380-0001	Screw Shakeproof taptite, 1/4-20x1.00	14
12	---	---	
13	WU007087	Coupling 3/4 NPT conduit union	
14	WM044876	Tube, conduit 3/4" junction box	
	WU011820	Tube, conduit 3/4" junction box, suction	
15	WM043586-0002	Taptite screw, hexagon flange, M8x40	2
16	WU011821	Tube, conduit 3/4" (junction box suction)	1

No.	Part Number	Description	Amount
17	WM045407-0002	Washer conduit	1 or 2
18	WM045471-0002	Seal conduit 3/4"	1 or 2

9.23.2 Junction box, Helix 2000, 4000, 5000, IEC



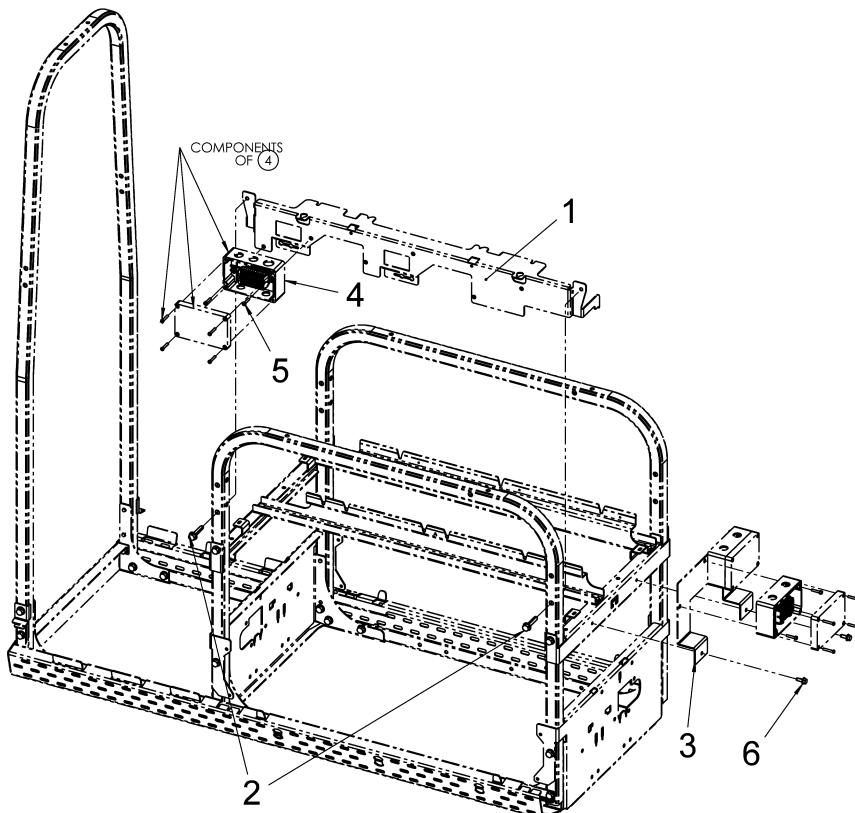
Cables, grommets and sealing, see page 338.

No.	Part Number	Description	Amount
1		Support	
	WM058136	- Narrow	1
	WM040259	- Wide	1
2	WM043586-0002	Taptite screw, hexagon flange, M8x40	2
3	WM040261	Support options	0 or 1
4		Junction box	
	WM026839	- Allround	1 - 7
	WM044328	- Allround high voltage/data	1
5	WB000209-0002	Screw, hexagon socket cap, M4x20	2

No.	Part Number	Description	Amount
6	WB000209-0001	Screw, hexagon socket cap, M4x10	*2

*1 2 per J-box +2 if WM040261 is used

9.23.3 Junction box, Helix 6000, IEC

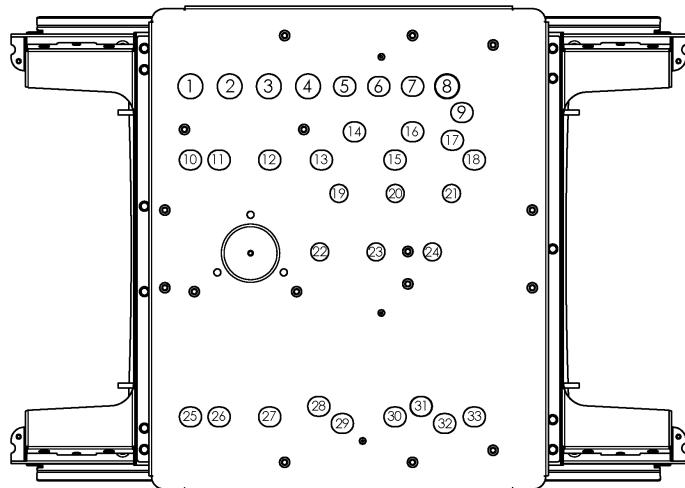


No.	Part Number	Description	Amount
1		Support, box shape electrical support	
	WM058136	- Narrow	1
	WM040259	- Wide	1
	WM052906	- Extra wide	1
	WM059627	Support, U-shape, for two blue boxes ("option panel")	1
2	WM043586-0002	Taptite screw, hexagon flange, M8x40	2
3	WM054195	Support, Z-shape junction boxes (options)	0 or 1
4	WM026839	Junction box allround	1-8
5	WB000209-0002	Screw, hexagon socket CAP, M4x20	2 per j-box

No.	Part Number	Description	Amount
6	WB000300-0001	Taptite screw, hexagon flange, M6x16	2 if WM054195 is used

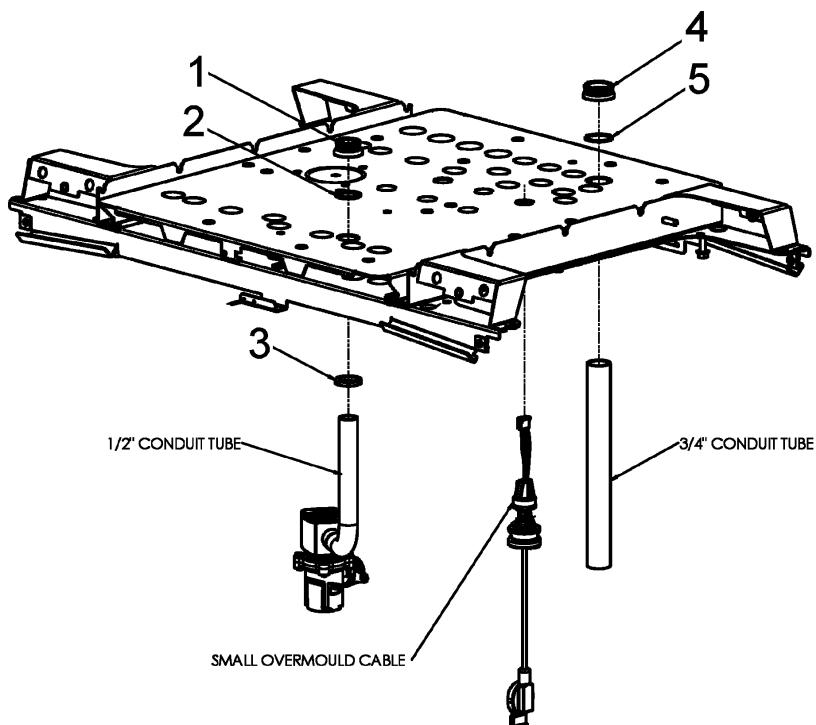
9.24 Vapor barrier routing

9.24.1 Vapor barrier routing, Narrow, UL



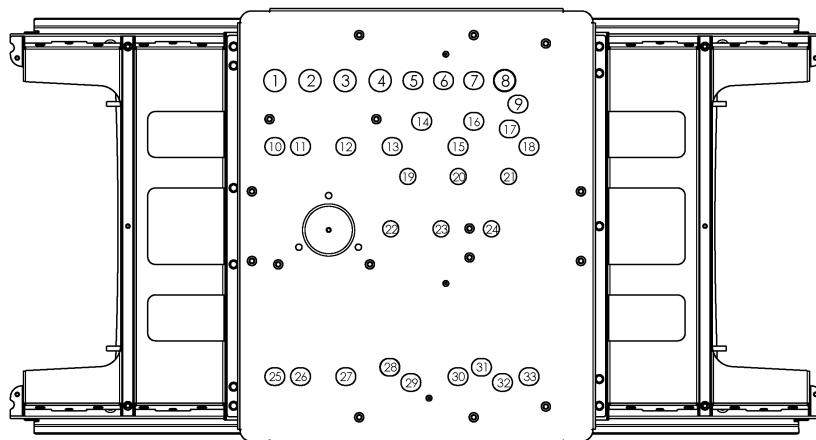
Pattern Code	Component	Connection Type
1	VAC 1	3/4" CONDUIT
2	EXTRA	3/4" CONDUIT
3	EXTRA	3/4" CONDUIT
4	VAC 2	3/4" CONDUIT
5	MOTOR 1	1/2" CONDUIT
6	MOTOR 2	1/2" CONDUIT
7		1/2" CONDUIT
8	JUNCTION BOX	3/4" CONDUIT
9	MOTOR 3/HEALY VR	1/2" CONDUIT
10	DUPLEX VALVE 4	1/2" CONDUIT
11	VALVE 1	1/2" CONDUIT
12	DUPLEX VALVE 1+9	1/2" CONDUIT
13		1/2" CONDUIT
14		1/2" CONDUIT
15		1/2" CONDUIT
16	VALVE 2	1/2" CONDUIT
17	VALVE 3	1/2" CONDUIT
18	DUPLEX VALVE 2	1/2" CONDUIT
19	NOZZLE SWITCH	SMALL COM
20	WIP 2	SMALL COM
21	WIP 1	SMALL COM
22	WIP 3	SMALL COM
23	WIP 4	SMALL COM
24	ATC	SMALL COM
25	DUPLEX VALVE 8	1/2" CONDUIT
26	VALVE 5	1/2" CONDUIT
27	DUPLEX VALVE 5+10	1/2" CONDUIT
28		1/2" CONDUIT
29		1/2" CONDUIT
30		1/2" CONDUIT
31	VALVE 6	1/2" CONDUIT
32	VALVE 7	1/2" CONDUIT
33	DUPLEX VALVE 6	1/2" CONDUIT

UL NARROW



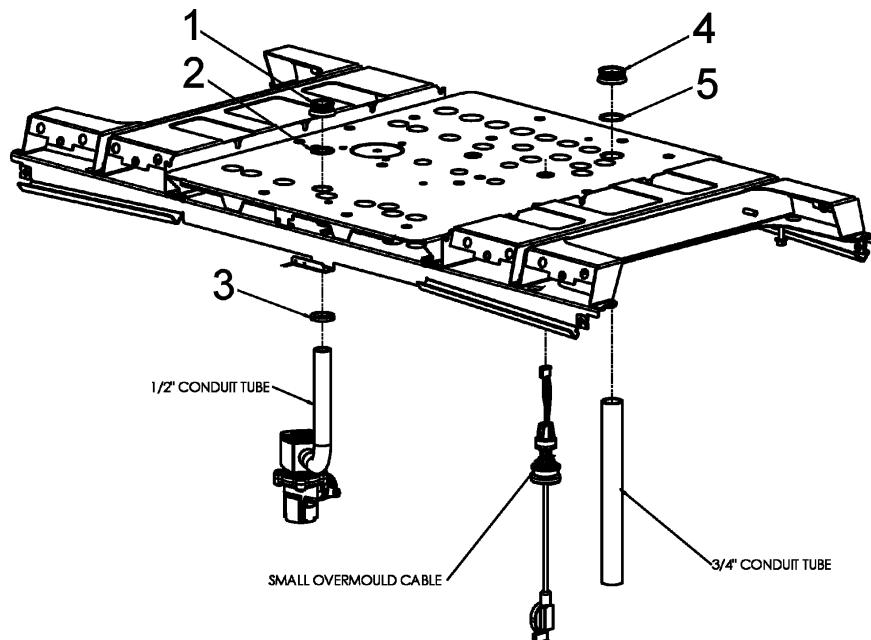
No.	Part Number	Description	Amount
1	WM045471-0001	Seal conduit 1/2"	
2	WM045407-0001	Washer conduit	
3	WM046113	Magnet, ring od=30; id=21,75; t=4	
4	WM045471-0002	Seal conduit 3/4"	
5	WM045407-0002	Washer conduit	

9.24.2 Vapor barrier routing, Wide, UL



Pattern Code	Component	Connection Type
1	VAC 1	3/4" CONDUIT
2	EXTRA	3/4" CONDUIT
3	EXTRA	3/4" CONDUIT
4	VAC 2	3/4" CONDUIT
5	MOTOR 1	1/2" CONDUIT
6	MOTOR 2	1/2" CONDUIT
7	MOTOR 3	1/2" CONDUIT
8	JUNCTION BOX	3/4" CONDUIT
9	MOTOR 4/HEALY VR	1/2" CONDUIT
10	VALVE 1/DUPLEX VALVE 1+9	1/2" CONDUIT
11		1/2" CONDUIT
12		1/2" CONDUIT
13	VALVE 2	1/2" CONDUIT
14	VALVE 3	1/2" CONDUIT
15	DUPLEX VALVE 2+4	1/2" CONDUIT
16		1/2" CONDUIT
17		1/2" CONDUIT
18	VALVE 54	1/2" CONDUIT
19	NOZZLE SWITCH	SMALL COM
20	WIP 2	SMALL COM
21	WIP 1	SMALL COM
22	WIP 3	SMALL COM
23	WIP 4	SMALL COM
24	ATC	SMALL COM
25	VALVE 5/DUPLEX VALVE 5+10	1/2" CONDUIT
26		1/2" CONDUIT
27		1/2" CONDUIT
28	VALVE 6	1/2" CONDUIT
29	VALVE 7	1/2" CONDUIT
30	DUPLEX VALVE 6-8	1/2" CONDUIT
31		1/2" CONDUIT
32		1/2" CONDUIT
33	VALVE 8	1/2" CONDUIT

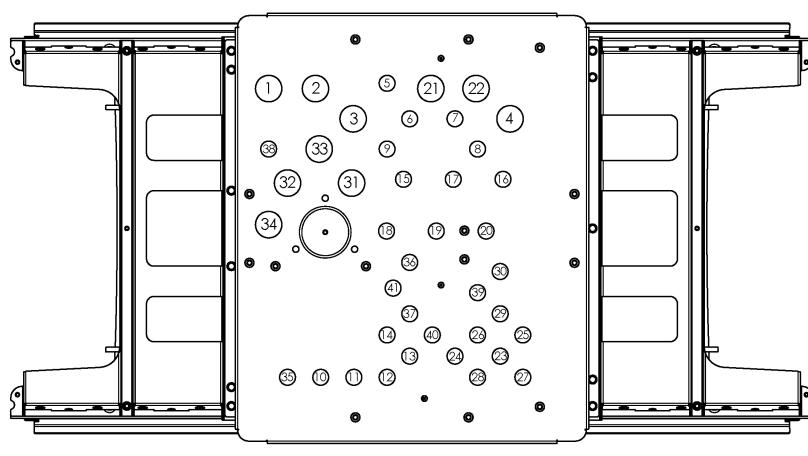
UL WIDE



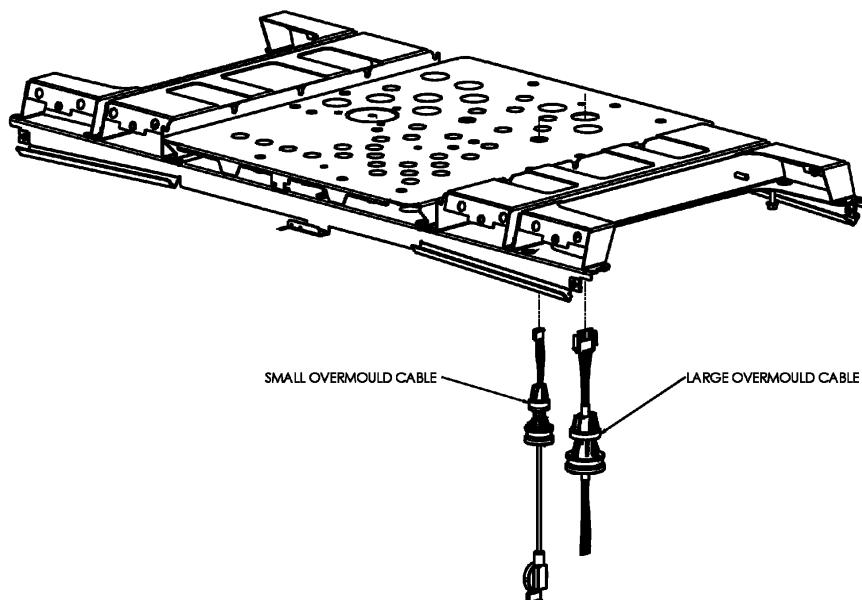
No.	Part Number	Description	Amount
1	WM045471-0001	Seal conduit 1/2"	

No.	Part Number	Description	Amount
2	WM045407-0001	Washer conduit	
3	WM046113	Magnet, ring od=30; id=21,75; t=4	
4	WM045471-0002	Seal conduit 3/4"	
5	WM045407-0002	Washer conduit	

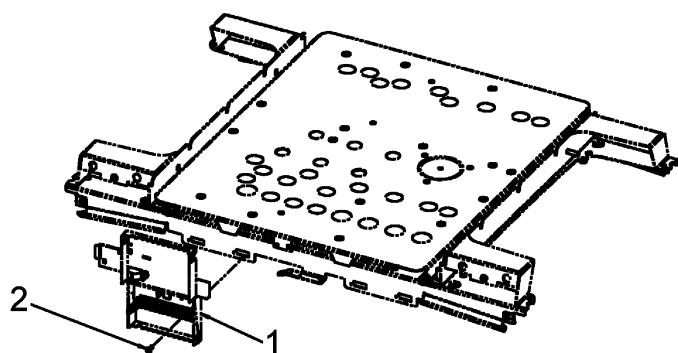
9.24.3 Vapor barrier routing, Wide, IEC



Pattern Code	Component	Connection Type
1	MOTOR 1	LARGE COM
2	MOTOR 2	LARGE COM
3	MOTOR 3	LARGE COM
4	MOTOR 4	LARGE COM
5	FLUID VALVE 1A	SMALL COM
6	FLUID VALVE 2A	SMALL COM
7	FLUID VALVE 3A	SMALL COM
8	FLUID VALVE 4A	SMALL COM
9	FLUID VALVE DUPLEX A	SMALL COM
10	FLUID VALVE 2A	SMALL COM
11	FLUID VALVE 2B	SMALL COM
12	FLUID VALVE 3B	SMALL COM
13	FLUID VALVE 4B	SMALL COM
14	FLUID VALVE DUPLEX B	SMALL COM
15	NOZZLE SWITCH	SMALL COM
16	WIP 1	SMALL COM
17	WIP 2	SMALL COM
18	WIP 3	SMALL COM
19	WIP 4	SMALL COM
20	ATC	SMALL COM
21	POWER SUPPLY 230V	LARGE COM
22	POWER SUPPLY 400V	LARGE COM
23	VR VALVE A	SMALL COM
24	VR VALVE B	SMALL COM
25	VR VALVE SELF CHECK A	SMALL COM
26	VR VALVE SELF CHECK B	SMALL COM
27	DATA 1	SMALL COM
28	DATA 2	SMALL COM
29	SAT 1	SMALL COM
30	SAT 2	SMALL COM
31	VAPOUR GATE A	LARGE COM
32	VAPOUR GATE B	LARGE COM
33	VR MOTOR	LARGE COM
34	SPARE LARGE COM	SMALL COM
35	ETHERNET	SMALL COM
36	SPARE SMALL COM	SMALL COM
37	TIIT SWITCH	SMALL COM
39	TANK LEVEL	SMALL COM
40	CASH BUTTON	SMALL COM
41	VAPOUR GATE READ OUT	SMALL COM
41	REMOTE SPEAKER	SMALL COM
41	IVGPL	SMALL COM
41	IVGPL	SMALL COM



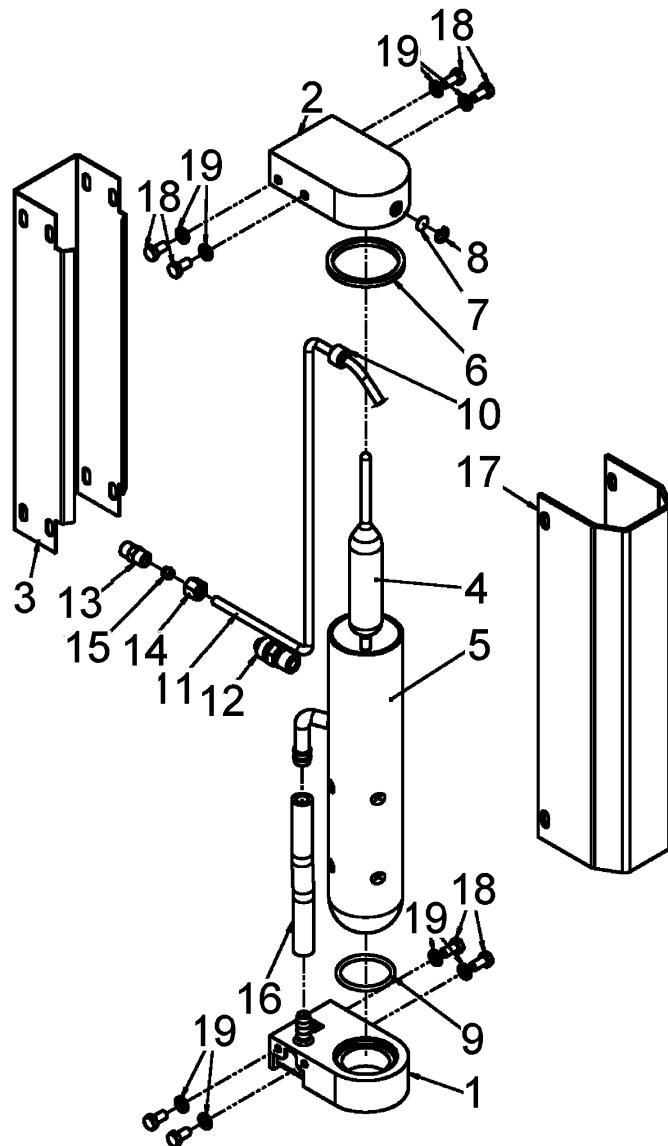
9.25 Nozzle switch module, LEE



Cables, see page 342

No.	Part Number	Description	Amount
1		Nozzle switch interface	1
	WU008514-0001	- IECEx/ATEX	
	WU008514-0002	- IECEx/ATEX, with alarm	
	WU006751-0001	- UL/cUL	
2	WM045308-0004	Taptite screw, Torx, pan head, M4x16	1

9.26 Densimeter

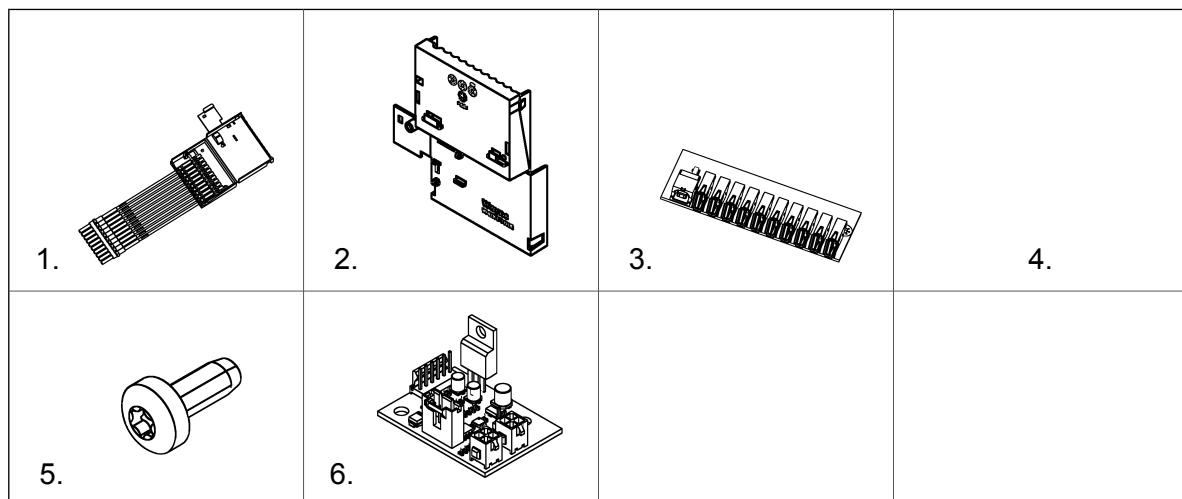


No.	Part Number	Description	Amount
1	WR001214	Moulded lower base	1
2	WR001214	Moulded lower base	1
3	WM048915-F050	Support, U-shape densimeter column, grey F050	1
4	WR001212-0001	Glass small float densimeter	1
5	WR001213-0001	Glass small glass condenser	1
6	WR001217	Gasket	1
7	WR001218	Cap screen	1

No.	Part Number	Description	Amount
8	WR001219	Retaining ring, internal shaft=11, od=1,8, t=1,0	1
9	WR001220-0001	O-ring T=3,53, ID=37,69	1
10	WR001221	Bushing sleeve	1
11	WR001222-0001	Tube inlet densimeter tube 1/4"x1/32"	1
12	WR001223	Yoke compression nipple 3/8"x1/4" BSP	1
13	WR001224	Yoke nipple 7/16"-24 UNS-2B	1
14	WR001225	Nut 1/4" 7/16"-24 UNS-2B	1
15	WR001226	Sleeve sleeve 1/4"	1
16	WR001227	Tube, flexible densimeter hose	1
17	WR001211-0001	Moulded, cover densimeter	1
18	WR001210-0001	Screw, hex head, 1/4-20x1/2"	8
19	WB000232-0003	Washer, plain, M6 id=6.4, od=12, t=1.6	8

9.27 ATC2

9.27.1 UL

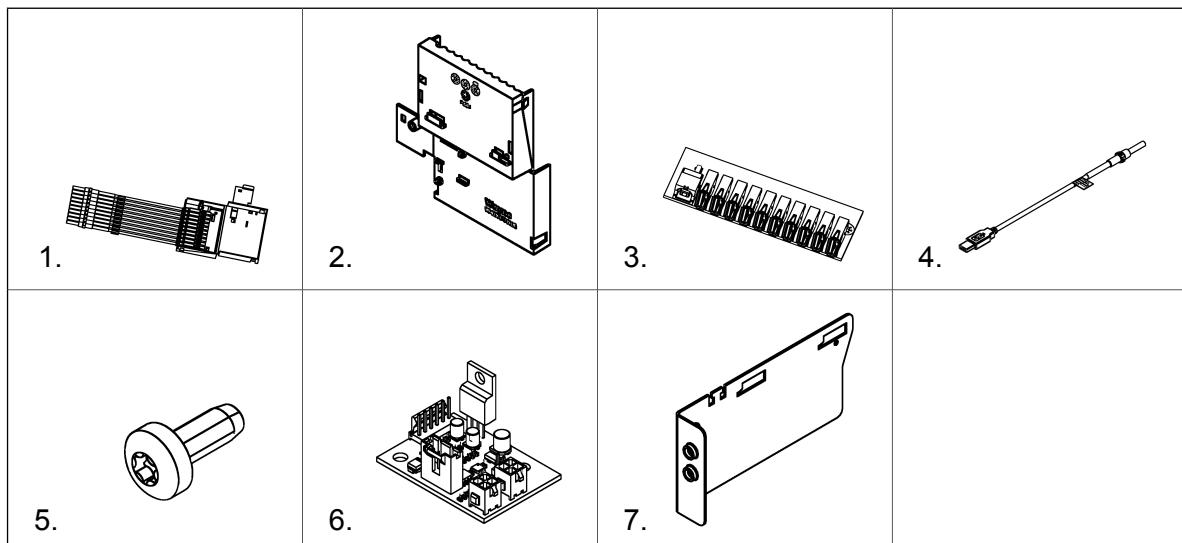


Cables, see page 331.

No.	Part Number	Description	Amount
1		Module automatic temperature compensation, UL/cUL	
	WU008586-0001	- 10 probes (on picture)	1
	WU008586-0002	- 9 probes	1

No.	Part Number	Description	Amount
	WU008586-0003	- 8 probes	1
	WU008586-0004	- 7 probes	1
	WU008586-0005	- 6 probes	1
	WU008586-0006	- 5 probes	1
	WU008586-0007	- 4 probes	1
	WU008586-0008	- 3 probes	1
	WU008586-0009	- 2 probes	1
	WU008586-0010	- 1 probe	1
2	WM038173	Moulded, housing blue, atc	1
3	WM038162-0001	Board temperature module	1
4	WM044193-0001	ATC2 sensor	1
5	WM045308-0001	Taptite screw, Torx, pan head, M4x12	2
6	WU007564-0001	Board, programmed, TTL/CAN converter	1

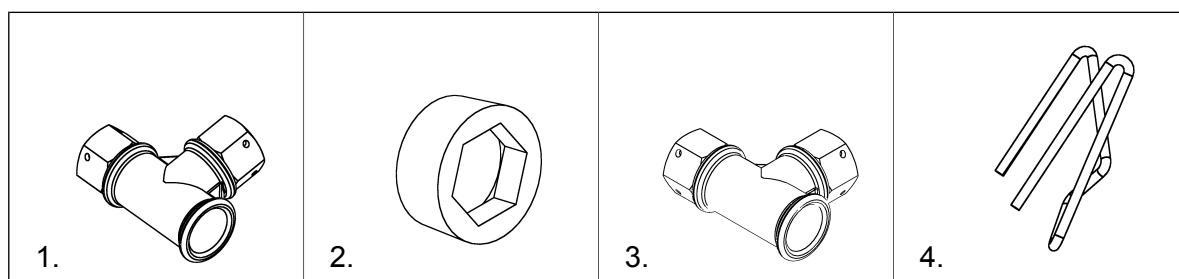
9.27.2 IEC



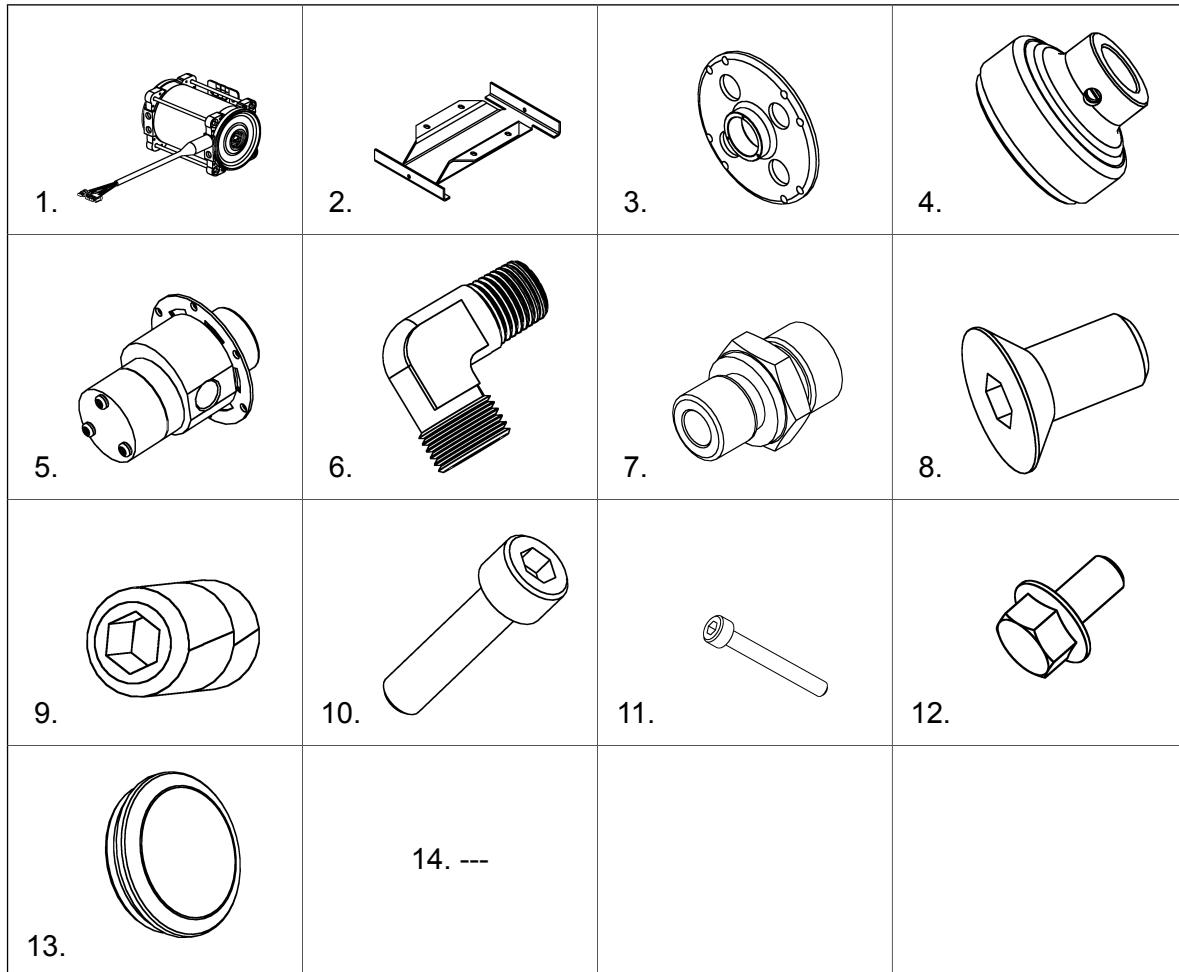
Cables, see page 331.

No.	Part Number	Description	Amount
1		Module automatic temperature compensation	
	WM044193-0001	- 10 probes (on picture)	1
	WM044193-0002	- 9 probes	1

No.	Part Number	Description	Amount
	WM044193-0003	- 8 probes	1
	WM044193-0004	- 7 probes	1
	WM044193-0005	- 6 probes	1
	WM044193-0006	- 5 probes	1
	WM044193-0007	- 4 probes	1
	WM044193-0008	- 3 probes	1
	WM044193-0009	- 2 probes	1
	WM044193-0010	- 1 probe	1
2	WM038173	Moulded, housing blue, atc	1
3	WM038162-0001	Board temperature module	1
4	WM040341-0001	ATC2 sensor	1
5	WM045308-0001	Taptite screw, Torx, pan head, M4x12	2
6	WU007564-0001	Board, programmed, TTL/CAN converter	1
7	WM060943	Support, L-shape ATC	1

9.28 SAT

No.	Part Number	Description	Amount
1	WE000913	Connection	1
2	WB000367-0003	Plug	1
3	WM058026	Coupling, T-coupling sat outlet	1
4	WM043174	Lock pin wire dia=3,2 mm	2

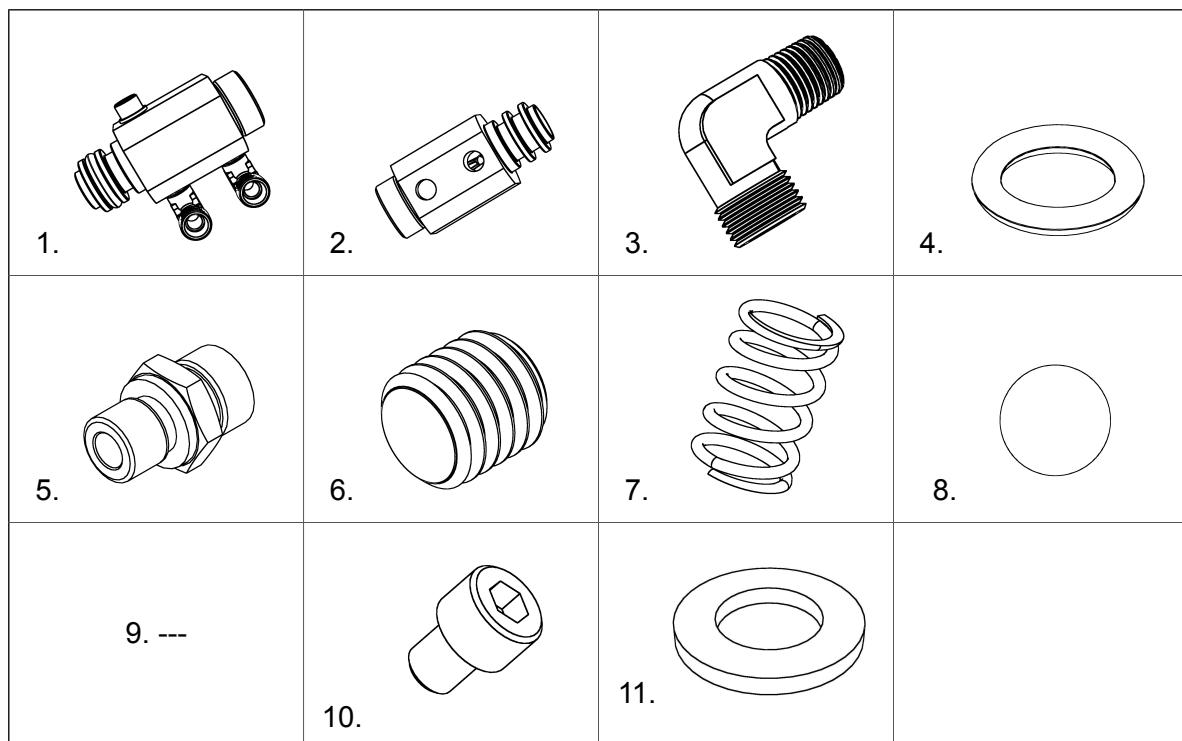
9.29 DEF**9.29.1 Circulation motor, DEF**

No.	Part Number	Description	Amount
1	WM045899-0003	Motor, single phase, 0.37kW, 230V, 2930RPM, 50Hz	1
2	WM059117	Support	1
3	WM057492	Flange	2 (1)*
4	WM058566	Driving Magnet	2 (1)*
5	WM058984	Fuel pump, magnet drive gear pump	2 (1)*
6	WM059620	Coupling, 90 degree, male R 1/4" D=10	2 (1)*
7	WM059329	Coupling, straight, male G 1/4" D=10, stainless steel EN1.4571	2 (1)*
8	WB000647-0002	Screw, CSK socket CAP, M6x10	2 (1)*
9	WT002621	Set screw, hexagon socket, M4x6, cup point	2 (1)*
10	WB000210-0008	Screw, hexagon socket cap, M5x25	16 (8)*

No.	Part Number	Description	Amount
11	WB000334-0001	Screw, hexagon socket cap, M3x6, SHMSHXSTZN	6 (3)*
12	WM019873-0001	Screw, hex head, M6x12, with flange	4 (2)*
13	WM036360	Plug, Elnor motor (when single sided)	1
14	WM003160	Sealant Ioxeal 58-11, thread sealant	1

* The figure in bracket for single sided DEF.

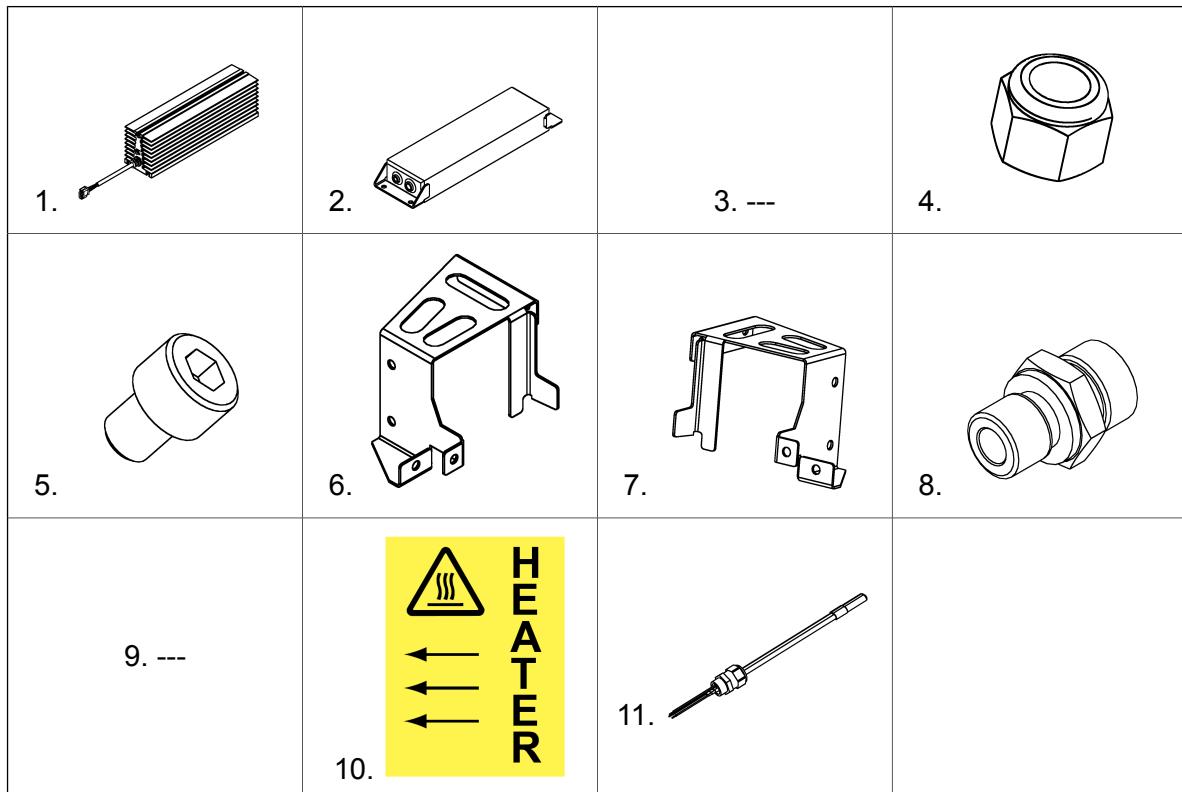
9.29.2 Coupling, straight, DEF



No.	Part Number	Description	Amount
1	WM058583	Coupling, straight, DEF	
2	WM057691	Housing, machined	1
3	WM059620	Coupling, 90 degree, male R 1/4" D=10	2
4	WU005372-0006	O-ring T=5.3mm, ID=21.6mm	1
5	WM059329	Coupling, straight, male G 1/4" D=10, stainless steel EN1.4571	1
6	WM059060-0001	Set screw, hexagon socket, M8x8, cup point	1
7	WM059055	Spring, compression, D=4, T=0.5, L=7	1
8	WM059069	Ball, D=6mm	1

No.	Part Number	Description	Amount
9	WM003160	Sealant loxeal 58-11, thread sealant	1
10	WB000212-0011	Screw, hexagon socket cap, M8	1
11	WB000232-0004	Washer, plain, M8, ID=8.4, OD=16, T=1.6	1

9.29.3 Tank and heater, DEF



No.	Part Number	Description	Amount
1	WM057467	Heating element, 400W, 230VAC ass'y with cable	1
2	WM058758	Housing, tank	1
3	WM059739	Non-silicone heat transfer compound	30g
4	WB000229-0004	Lock nut, M8	6
5	WB000212-0002	Screw, hexagon socket cap, M8x16	6
		Support, heater DEF	
6	WM059607-F050	- Position A	1
7	WM059606-F050	- Position B	1
8	WM059329	Coupling, straight male G 1/4" D=10, stainless steel EN 1.4571	2

No.	Part Number	Description	Amount
9	WM003160	Sealant Loxeal 58-11, thread sealant	10g
10	WE001151	Decal, caution heater	1
11	WM059818-0001	Cable 230VAC heater L=1300	1

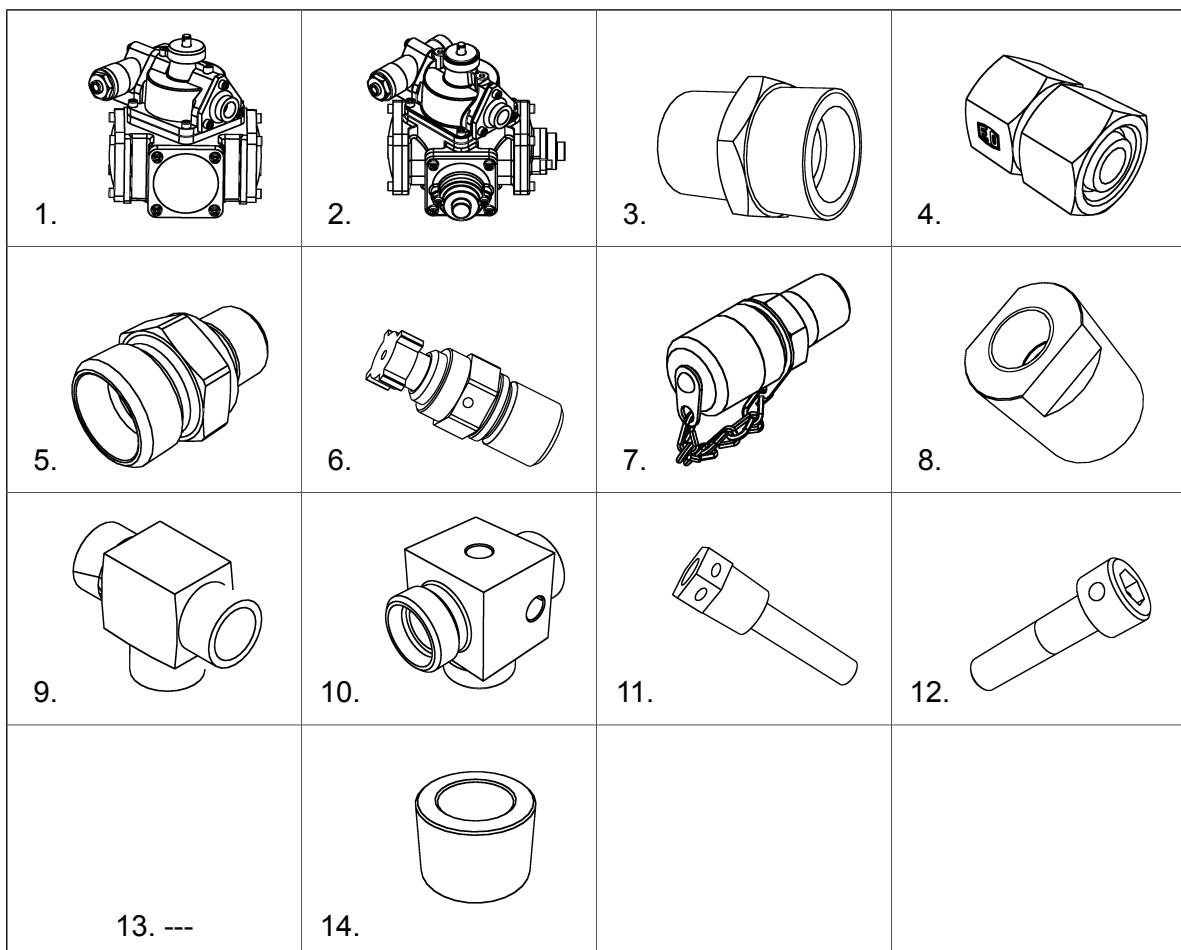
9.29.4 Circulation tubes, DEF

No.	Part Number	Description	Amount
1	WM059790-0001	Hose, PTFE 9TS OM, stainless steel braid, l=425mm	
2	WM059790-0002	Hose, PTFE 9TS OM, stainless steel braid, l=795mm	
3	WM059789-0001	Hose; PTFE 9TS OM, stainless steel braid, l=351mm	

9.30 LPG

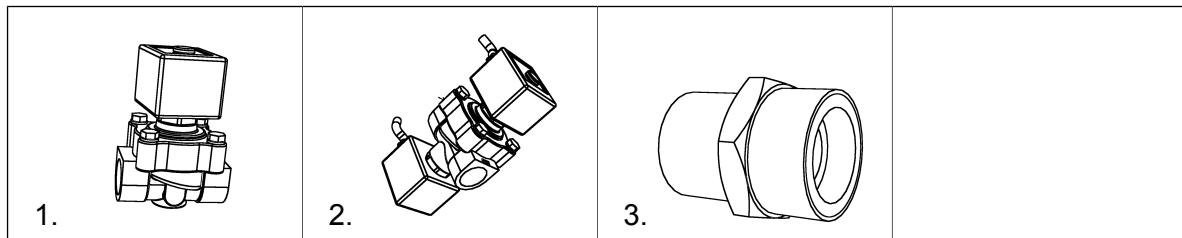
See also "Couplings LPG" page 312.

9.30.1 Hydraulic module LPG



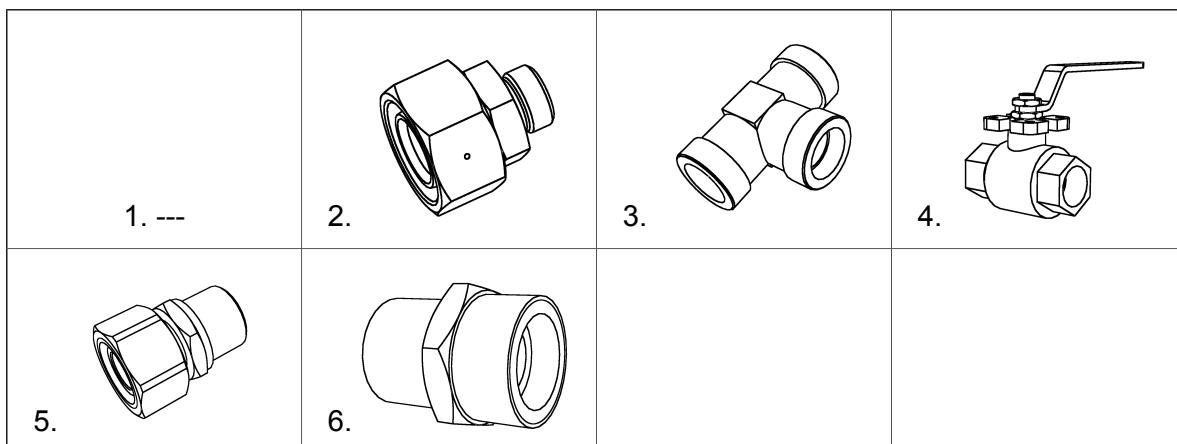
No.	Part Number	Description	Amount
		LPG meter Petrolmeccanica	
1	WM050692-0001	- Electronical calibration	
2	WM050692-0002	- Mechanical calibration	
3	WM001491	Coupling, straight male, GE22 PLR 3/4"	
4	WM032482	Coupling, straight GZ12L	
5	WT001103	Coupling, straight male 1/4" - DN12	
6	WM003981	Valve venting valve	
7	WM046483	Valve LPG, test point	
8	WM022758	Coupling, straight female, 1/4NPTx 3/8NPT	
9	WT001108-0001	Coupling, T-coupling female - DN12	
10	WM059470	Housing ATC sensor / probe, LPG	
11	WM023678	Housing ATC test well, NPT	
12	WM016471	Seal screw, hexagon socket cap, M6 x 25, with tuflok locking patch	
13	WM003160	Sealant Loxeal 58-11, thread sealant	
14	WM058379	Spacer ID=7, OD=11, L=8	

9.30.2 Solenoid valves LPG



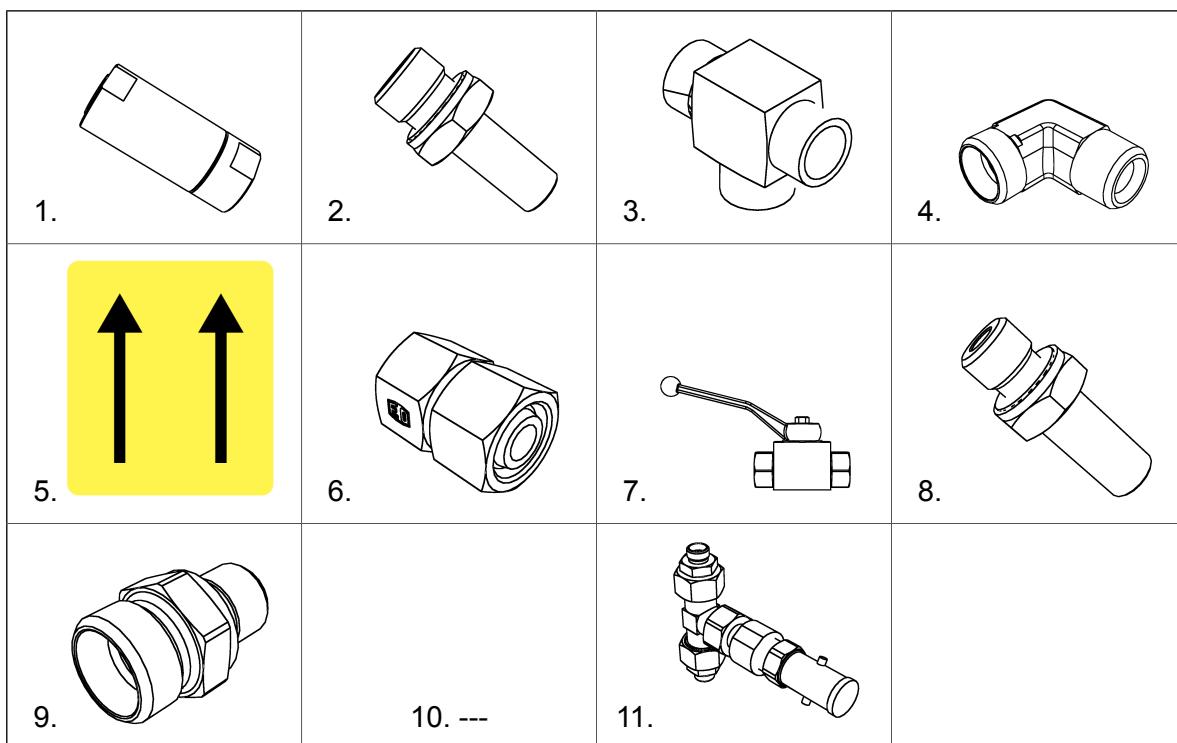
No.	Part Number	Description	Amount
1	WM036698	Solenoid valve, on/off LPG	
2	WM004830	Solenoid valve preset LPG	
3	WM001491	Coupling, straight male, GE22 PLR 3/4"	

9.30.3 Ball valve 3/4", T-connection LPG



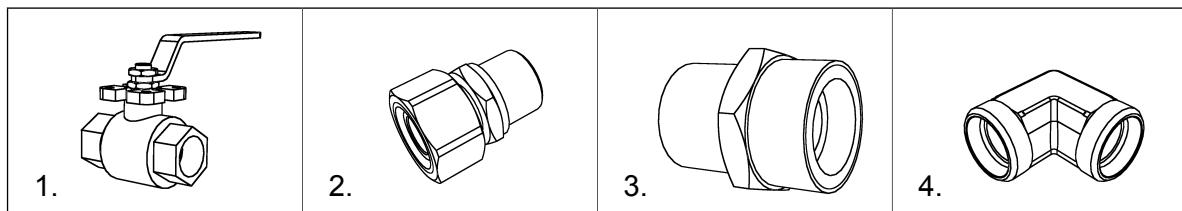
No.	Part Number	Description	Amount
1	WM003160	Sealant Loxeal 58-11, thread sealant	
2	WM022693	Coupling, straight kor 22-12-PL	
3	WM000925	Coupling, T-coupling male T22-PL	
4	WM000268	Ball valve female, 3/4"	
5	WM001503	Coupling, straight EGE22-LR-ED	
6	WM001491	Coupling, straight male, GE22 PLR 3/4"	

9.30.4 Ball valve return with safety valve LPG



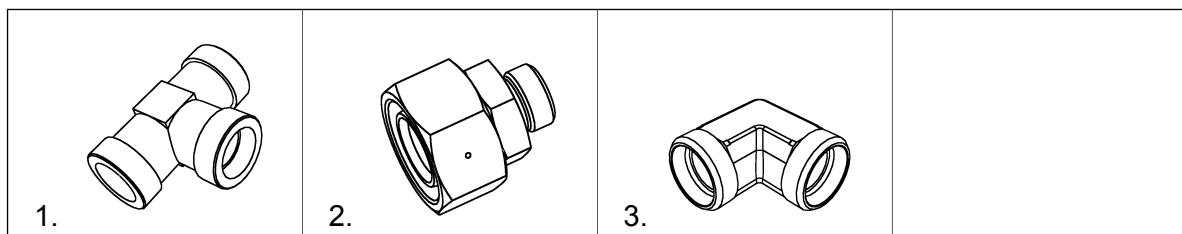
No.	Part Number	Description	Amount
1	WT001081	Valve safety valve G 3/8"	
2	WT001106	Coupling, straight male 3/8" - 12	
3	WT001108	Coupling, T-coupling female - DN12	
4	WT001138	Coupling, 90 degree male 3/8" taper - DN12	
5	WM029207	Sticker arrows, safety valve	
6	WM032482	Coupling, straight GZ12L	
7	WT001095	Ball valve female 1/4"	
8	WT001102	Coupling, straight male 1/4" - 12	
9	WT001103	Coupling, straight male 1/4" - DN12	
10	WM003160	Sealant loxreal 58-11, thread sealant	
11	WM022834	Coupling, straight return with fill up valve	

9.30.5 Ball valve 3/4" LPG



No.	Part Number	Description	Amount
1	WM000268	Ball valve female, 3/4"	
2	WM001503	Coupling, straight EGE22-LR-ED	
3	WM001491	Coupling, straight male, GE22 PLR 3/4"	
4	WT001141	Coupling, 90 degree DN22	

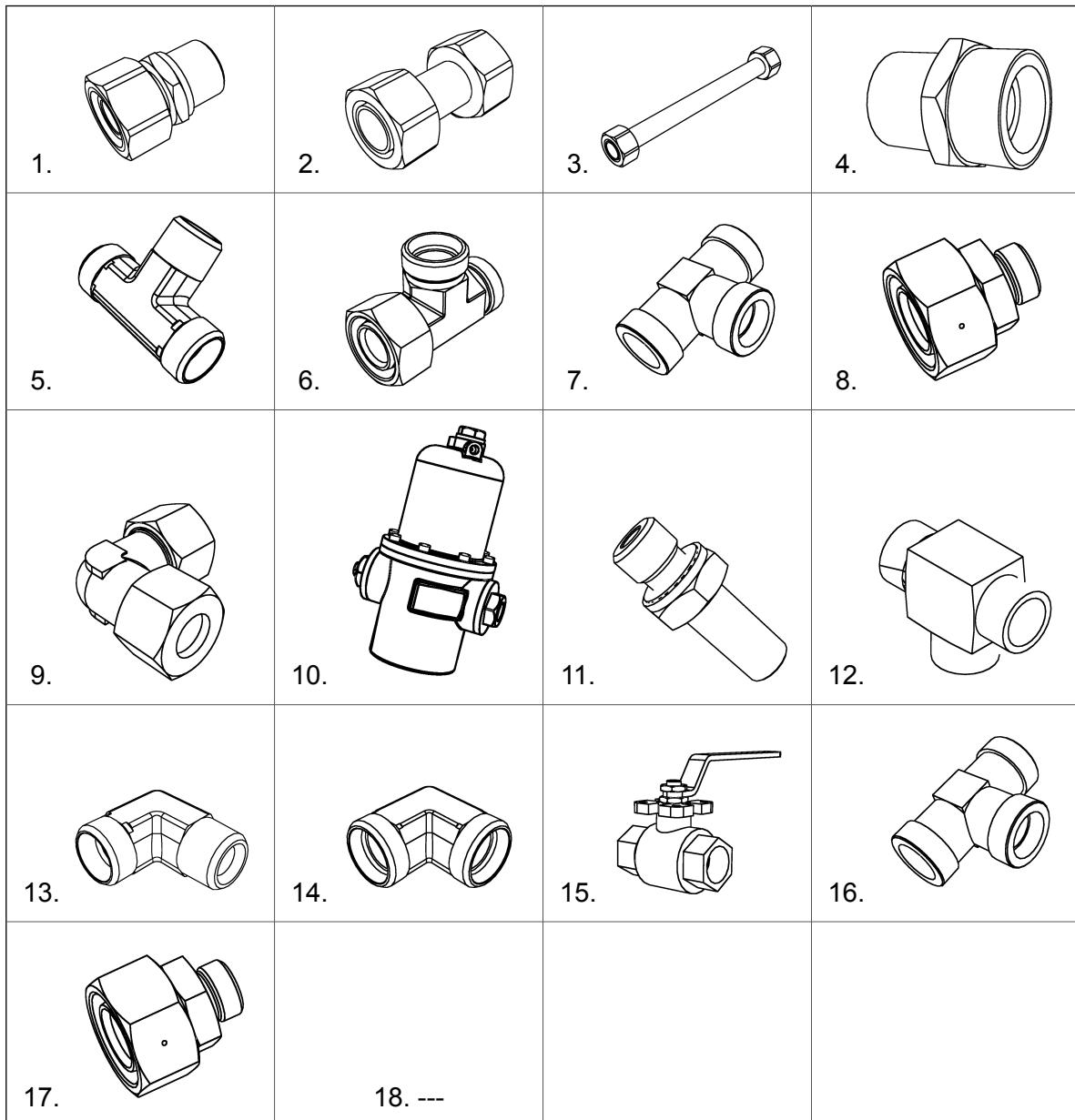
9.30.6 T-connector ground LPG



No.	Part Number	Description	Amount
1	WM000925	Coupling, T-coupling male T22-PL	
2	WM022693	Coupling, straight kor 22-12-PL	

No.	Part Number	Description	Amount
3	WT001141	Coupling, 90 degree DN22	

9.30.7 Air separator, degassing unit LPG



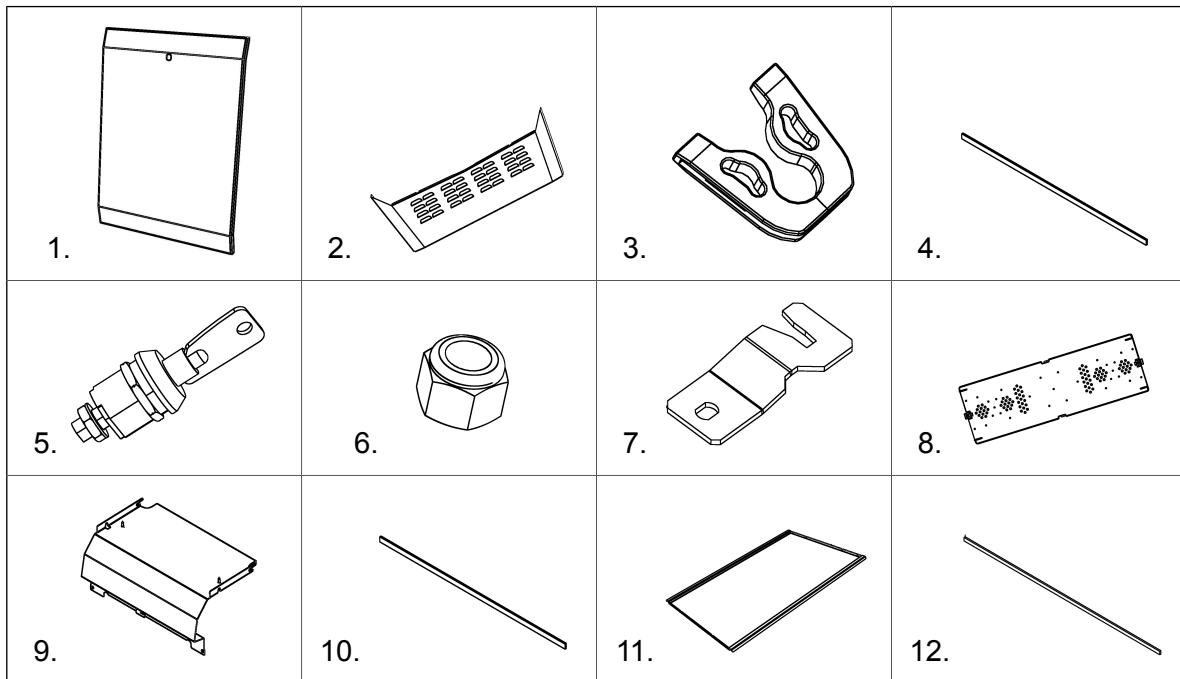
No.	Part Number	Description	Amount
1	WM001503	Coupling, straight EGE22-LR-ED	
2	WM039535	Tube, fuel delivery L=70	
3	WM057651	Tube, fuel delivery LPG, L=257.2	
4	WM001491	Coupling, straight male, GE22 PLR 3/4"	
5	WM023274	Coupling, T-coupling TE12LR	

No.	Part Number	Description	Amount
6	WM026127	Coupling, T-coupling adjustable, EVL22L	
7	WM000925	Coupling, T-coupling male T22-PL	
8	WM022693	Coupling, straight kor 22-12-PL	
9	WM050690	Coupling, 90 degree W12L	
10	WM058684	Air separator degassing unit and strainer, Petrolmeccanica	
11	WT001102	Coupling, straight male 1/4" - 12	
12	WT001108	Coupling, T-coupling female - DN12	
13	WT001138	Coupling, 90 degree male 3/8" taper - DN12	
14	WT001141	Coupling, 90 degree DN22	
15	WM000268	Ball valve female, 3/4"	
16	WM000925	Coupling, T-coupling male T22-PL	
17	WM022693	Coupling, straight kor 22-12-PL	
18	WM003160	Sealant loxreal 58-11, thread sealant	

10 Exterior

10.1 Helix 1000

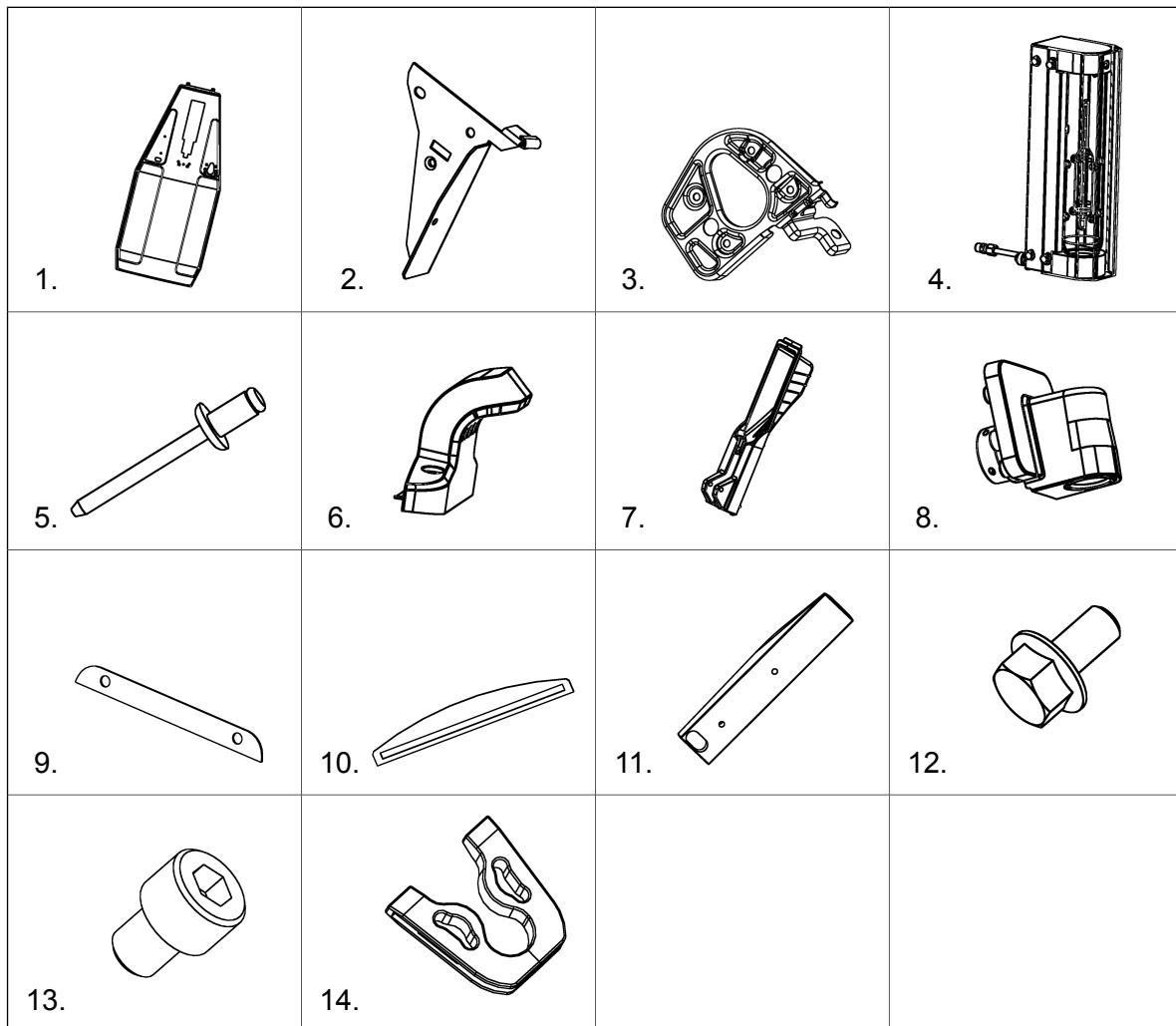
See also page 199.



No.	Part Number	Description	Amount
	see page 267	Side panel	2
1	WM053086-W001	Front panel	2
2	WM052633-F105	Side panel ventilation	2
3	WM050303	Clamp side panel	8
4	WM053031	Gasket l=426, h=10, w=3	1
5		Lock	
	WU007624-0003	- DW1 key code	2
	WM026155-0001	- Individually keyed	2
	WM008096	Key to DW1 standard lock	
6	WB000229-0003	Lock nut, M6	8
7	WM052805	Z-shape, range=41.5, w=57, l=5,2	2
8	WM049926	Cover cable channel	1
9	WM052628-F105	Cover plate, top panel hydraulic cabinet (on picture) If U-frame WM052630-A40	2

No.	Part Number	Description	Amount
	WM060278-F105	Cover plate, top panel, hydraulic cabinet If U-frame WM060969-A040	2
10	WM053031	Gasket l=426, h=10, w=3 (hydraulic roof)	1
11	WM052637-F105	Support, box shape roof, electronic head	1
12	WM055014	Gasket top box hydraulic	

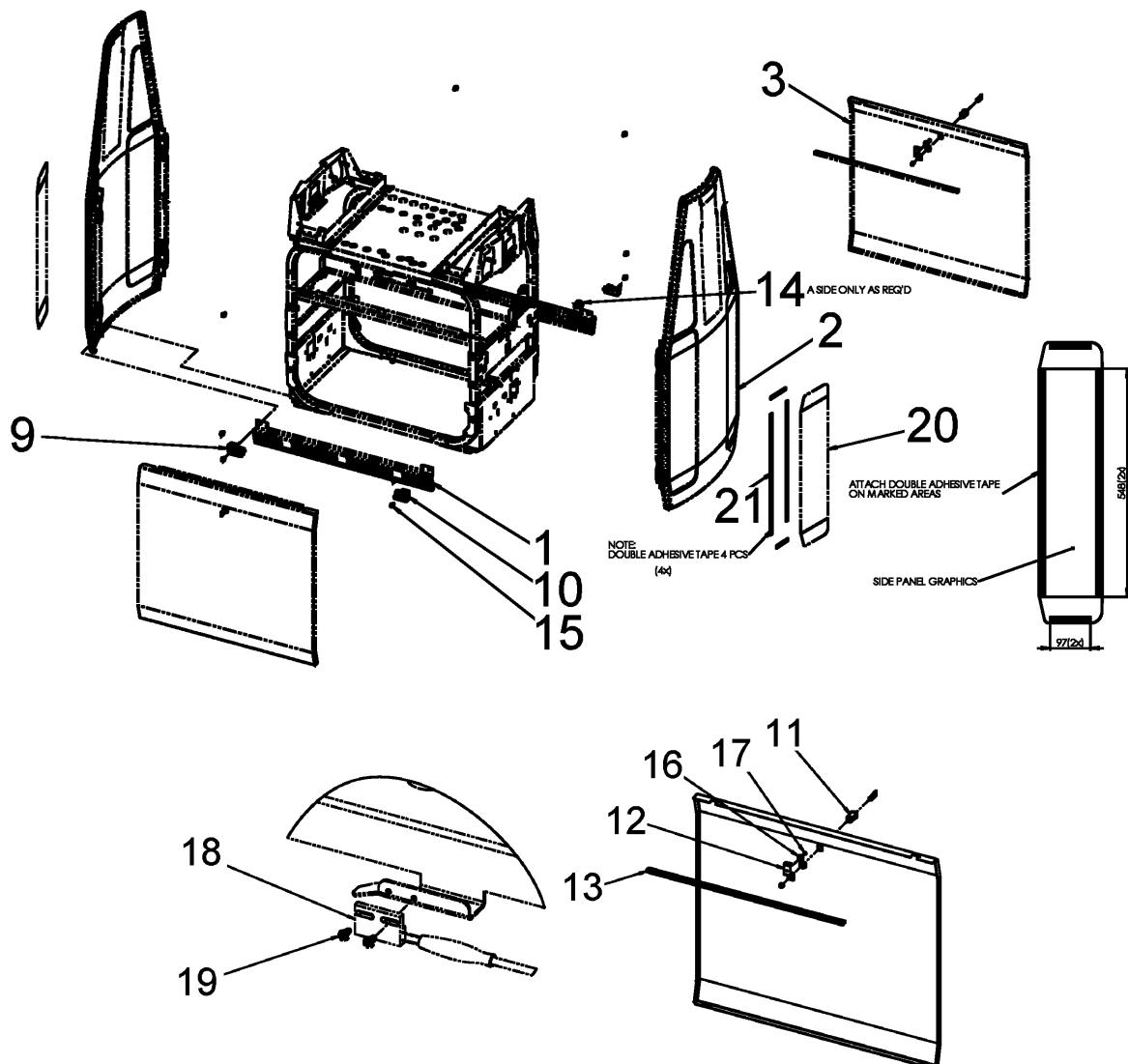
10.1.1 Side panel Helix 1000



No.	Part Number	Description	Amount
1		Side panel	
	WM053164-F050	- With cutout for nozzle boot	1
	WM049264-F050	- With brackets, no tabs, blind	1
	WM053169-F050	- With cutout for nozzle boot with densimeter (on picture)	1

No.	Part Number	Description	Amount
2		Support, L-shape	
	WM051482-0001	- Right (on picture)	1
	WM051482-0002	- Left	1
3	WM050395	Deep drawn washer, hose connector	1
4	WR001797-0001	Small densimeter	1
5	WM044310-0001	Pop rivet, dome head 6 diameter, grip range 2-4mm	10
6	WM049928	Housing hose hook	1
7	see page 159	Nozzle boot Helix 1000	1
8		Coupling hose connector	
	WM051670-0004	- 3/4" NPT IMP	1
	WM051670-0005	- 1" NPT IMP	1
	WM051670-0006	- M34 VR IMP	1
	WM051670-0013	- 3/4" NPT ANO IMP	1
	WM051670-0014	- 1" NPT ANO IMP	1
	WM051670-0015	- M34 VR ANO IMP	1
	WM051670-0016	- 3/4" NPT HA IMP	1
	WM051670-0017	- 1" NPT HA IMP	1
	WM051670-0018	- M34 VR HA IMP	1
9	WM053081	Gasket hose hook	1
10	WM053087	Gasket hose hook, bottom	1
11	WR001579-0001	Moulded densimeter adaptor for island, black	1
12	WM019873-0001	Screw, hex head, M6x12, with flange	4
13	WB000212-0004	Screw, hexagon socket cap, M8x30	1
14	WM050303	Clamp side panel	8

10.2 Helix 2000 - Small style

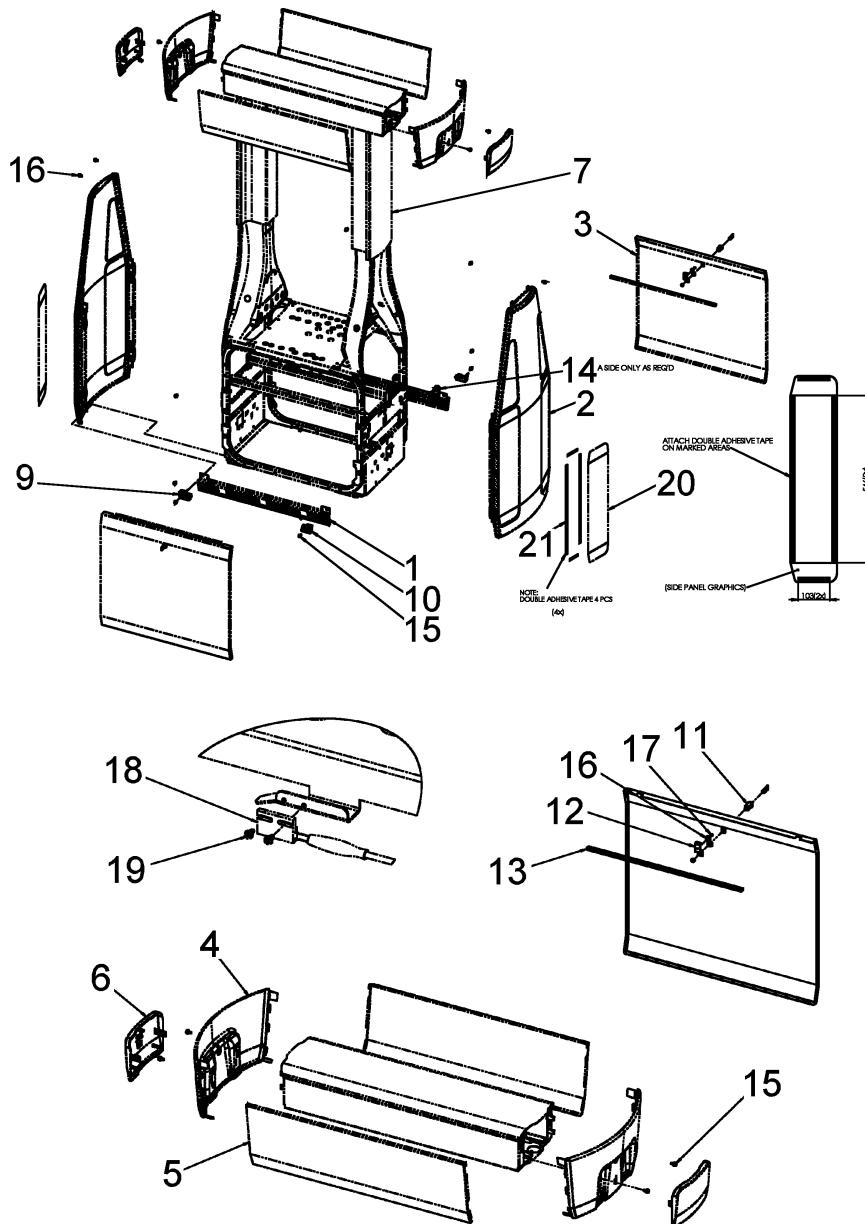


No.	Part Number	Description	Amount
1		Cover plate	
	WM045945-F050	- Base narrow, grey F050	1, 0
	WM046495-F050	- Base narrow without holes, grey F050	1, 2
	WM062314	- Base narrow, stainless	1
	WM062319	- Base narrow, no holes, stainless	1, 2
2		Side panel with brackets	
	WM049264-F050	- No tabs, blind, grey F050	
	WM049269-F050	- No tabs, 1 hole, grey F050	
	WM049273-F050	- No tabs, 2 holes, grey F050	

No.	Part Number	Description	Amount
	WM049274-F050	- No tabs, island, 1 hole, grey F050	
	WM049276-F050	- No tabs, island, 1 h, densimeter, grey F050	
	WM049277-F050	- No tabs, 2 holes, densimeter, gery F050	
	WM049279-F050	- No tabs, 1 h, densimeter, grey F050	
	WM058755-F050	- LPG, 1 pressure gauges, grey F050	
	WM058757-F050	- LPG, 2 pressure gauges, grey F050	
	WM052633-F105	- Ventilation, grey f105	
3	WM046919-W007	Front panel narrow, white W007	2
4	---	---	
5	---	---	
6	---	---	
7	---	---	
8	WM047368-0001	Moulded front panel guide pin left	2
9	WM047368-0002	Moulded Front Panel Guide Pin Right	2
10		Lock	
	WU007624-0003	- Lock no latch, no key, DW1 key code	2
	WM026155-0002	- Lock, individually keyed, 6 locks, 2 keys	1
	WM026155-0003	- Lock, Individually keyed, 4 locks, 2 keys	
	WM008096	Key to DW1 standard lock	
11	WM047719	Spout 32x19mm for hydraulic door	4
12	WM048401	Latch Z-shape, range=50, w=20	2
13	WM045016-0007	Gasket profile l=760	2
14	WM011355	Plug for air venting (suction) l=39,25 (see also page 244)	0, 3
15	WB000300-0002	Taptite screw, hexagon flange, M6x12	12
16	WM003859	Magnet, ring dy=16, h=5.5	2
17	WB000280-0001	Screw, CSK socket cap, M4	2
18	WM045692-0001	Security switch, magnetic reed 2-wire normally close cable l=1300	2
19	WB000663-0001	Taptite screw, cross recessed, pan head, M3x6	4

No.	Part Number	Description	Amount
20	WM047019-0001	Side panel graphics, White W007	4
21	WM019003	Adhesive tape, double-sided width=12mm thickness=1,1mm	5192 mm

10.3 Helix 4000 & Helix 5000 - H-style

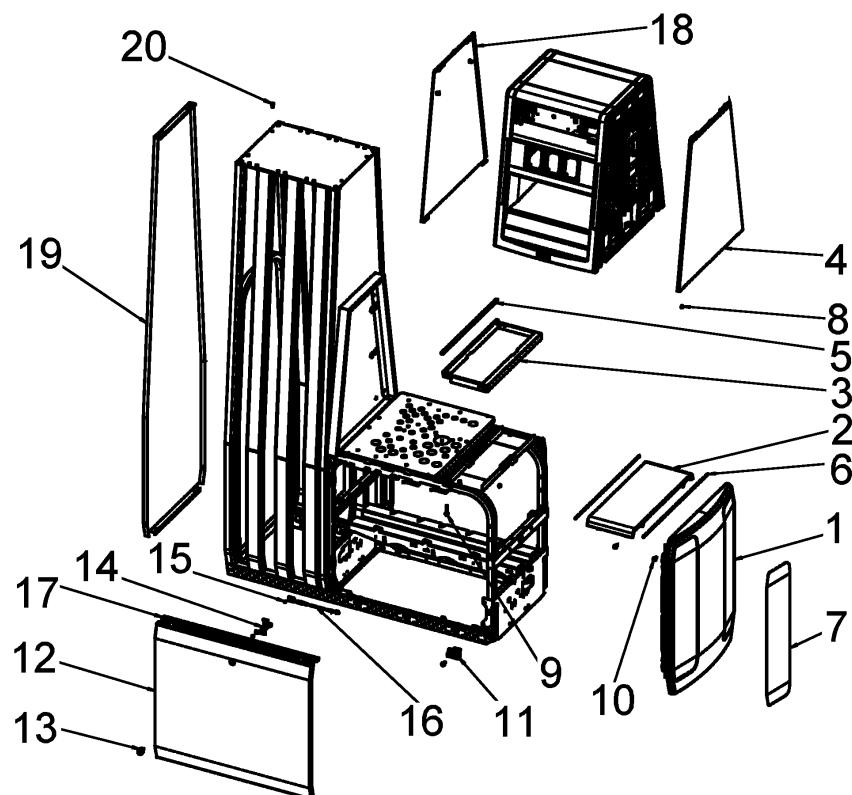


No.	Part Number	Description	Amount
1		Cover plate	
	WM046495-F050	- Base narrow without holes, grey F050	1, 2
	WM045945-F050	- Base narrow, grey F050	0, 1

No.	Part Number	Description	Amount
	WM046496-F050	- Base wide without holes, grey F050	1, 2
	WM046494-F050	- Base wide, grey, F050	0, 1
	WM062314	- Base narrow, stainless	
	WM062319	- Base narrow, no holes, stainless	
	WM062321	- Base wide, stainless	
	WM062323	- Cover plate, base wide, no holes, stainless	
2		Side panel with brackets	
	WM049260-F050	- Blind, grey F050	1, 2
	WM049278-F050	- Densimeter, grey F050	0, 1, 2
3		Front panel	
	WM046919-W007	- Narrow, white W007	2
	WM046948-W007	- Wide, white W007	2
4	WM046170-W007	Top panel valance end, white, W007	2
5		Top panel valance	
	WM046960-W007	- Narrow, white W007	2
	WM046955-W007	- Wide, white W007	2
6	WM039951	Moulded, cover valance end	2
7	WM046883-F050	Column outer, std, L=776 mm, grey F050	2
8	WM047368-0001	Moulded front panel guide pin left	2
9	WM047368-0002	Moulded front panel guide pin right	2
10		Lock	
	WU007624-0003	- Lock no latch, no key, std, DW1 key code	2
	WM026155-0002	- Lock, individually keyed, 6 locks, 2 keys (for entire pump)	1
	WM026155-0003	- Lock, Individually keyed, 4 locks, 2 keys	
	WM008096	Key to DW1 standard lock	
11	WM047719	Spout 32x19mm for hyd. door	4
12	WM048401	Latch Z-shape, range=50, W=20	2
13	WM045016-0005	Gasket profile l=620	2
14	WM011355	Plug for air venting (suction) l=39,25 (see also page 244)	0, 3

No.	Part Number	Description	Amount
15	WB000300-0002	Taptite screw, hexagon flange, M6x12	20
16	WM003859	Magnet, ring dy=16, h=5.5	2
17	WB000280-0001	Screw, CSK socket CAP, M4	2
18	WM045692-0001	Security switch, magnetic reed 2-wire normally close cable l=1300	2
19	WB000663-0001	Taptite screw, cross recessed, pan head, M3x6	4
20	WM047019-0001	Side panel graphics, white W007	4
21	WM019003	Adhesive tape, double-sided width=12mm thickness=1,1mm	5192 mm

10.4 Helix 6000 - C-Style

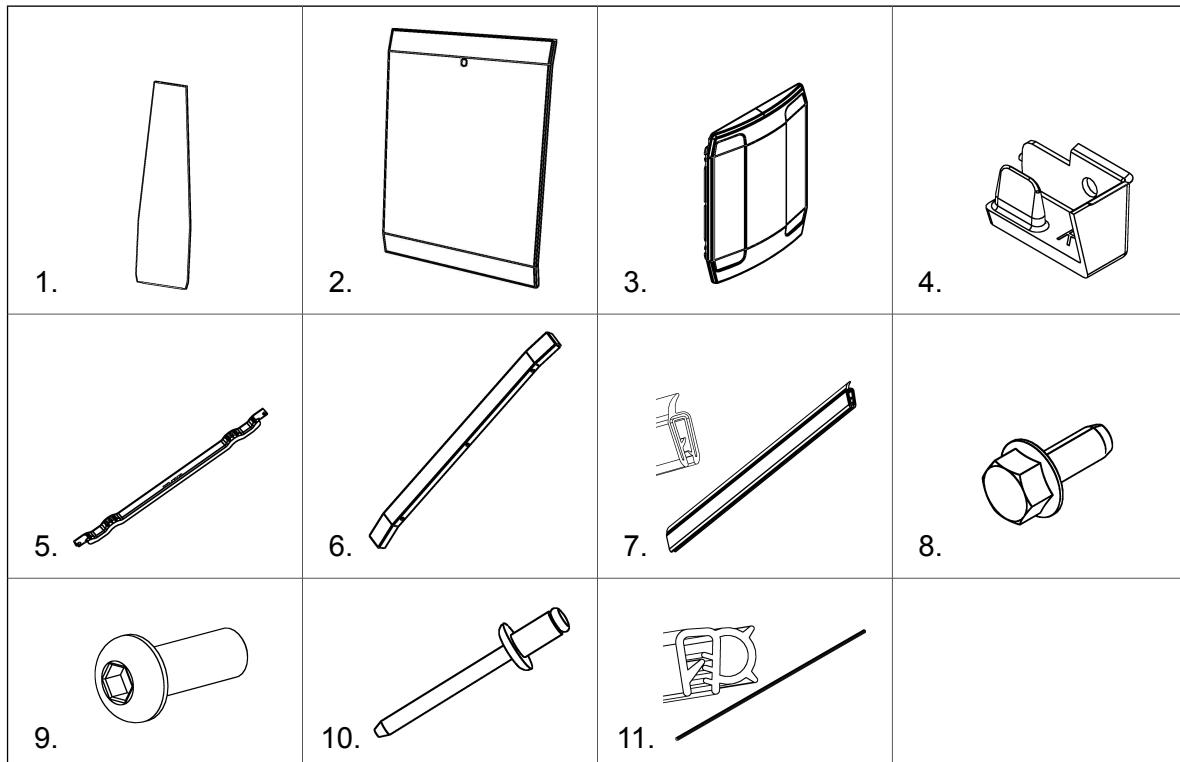


No.	Part Number	Description	Amount
1	WM054414-F050	Side panel with brackets, grey	1
2		Top panel HELIX 6000	1
	WM052269-F050	- C33	
	WM052731-F050	- C44	

No.	Part Number	Description	Amount
	WM052732-F050	- C55	
	WM057340-F105	Top panel, hydraulic cabinet, (Base head)	
	WM060163-F105	Top panel, hydraulic cabinet, (Base head)	
3		Support, hydraulic top panel, IEC	1
	WM054884-0001	- C33	
	WM054884-0002	- C44	
	WM054884-0003	- C55	
4	WM054572-A040	Cover plate, side panel	1
5	WB000300-0001	Taptite screw, hexagon flange, M6x16	narrow 12 wide 14 extra wide 16
6	WM056015-0001	Gasket, w=5, t=2, l=600	2
7	WM047019-XXXX	Side panel, graphics	2
8	WB000280-0001	Screw, CSK socket cap, M4x8	6
9	WM019873-0004	Screw, hex head, M6x40, with flange	narrow 2 wide 4 extra wide 6
10	WM047368-0001	Moulded front panel guide pin left	2
11	WM047368-0002	Moulded front panel guide pin right	2
12		Front panel	2
	WM046919-XXXX	- Narrow	
	WM046948-XXXX	- Wide	
	WM054897-XXXX	- Extra wide	
13		Lock	
	WU007624-0003	- Lock no latch, no key, DW2 key code	2
	WM026155-0002	- Lock individually keyed, 6 locks, 2 keys	1
	WM026155-0003	- Lock, Individually keyed, 4 locks, 2 keys	
14	WM048401	Latch Z-shape, range=50, w=20, l=29,7	2
	WM003859	Magnet, ring	2

No.	Part Number	Description	Amount
15	WB000663-0001	Taptite screw, cross recessed, pan head, M3x6	4
16	WM045692-0001	Cable magnetic reed 2-wire normally open 1200 cable	2
17		Gasket profile	
	WM054387-0001	- C33, l=760	2
	WM054387-0002	- C44, l=1032	2
	WM054387-0003	- C55, l=1432	2
18	WM054573-F050	Side panel cover plate	1
19	WM051842-XXXX	Side panel h=1976	1
20	WB000652-0001	Screw, hexagon socket button, M6x16	2
21	WM045016-0012	Gasket profile l=100	narrow 0 wide 2 extra wide 2

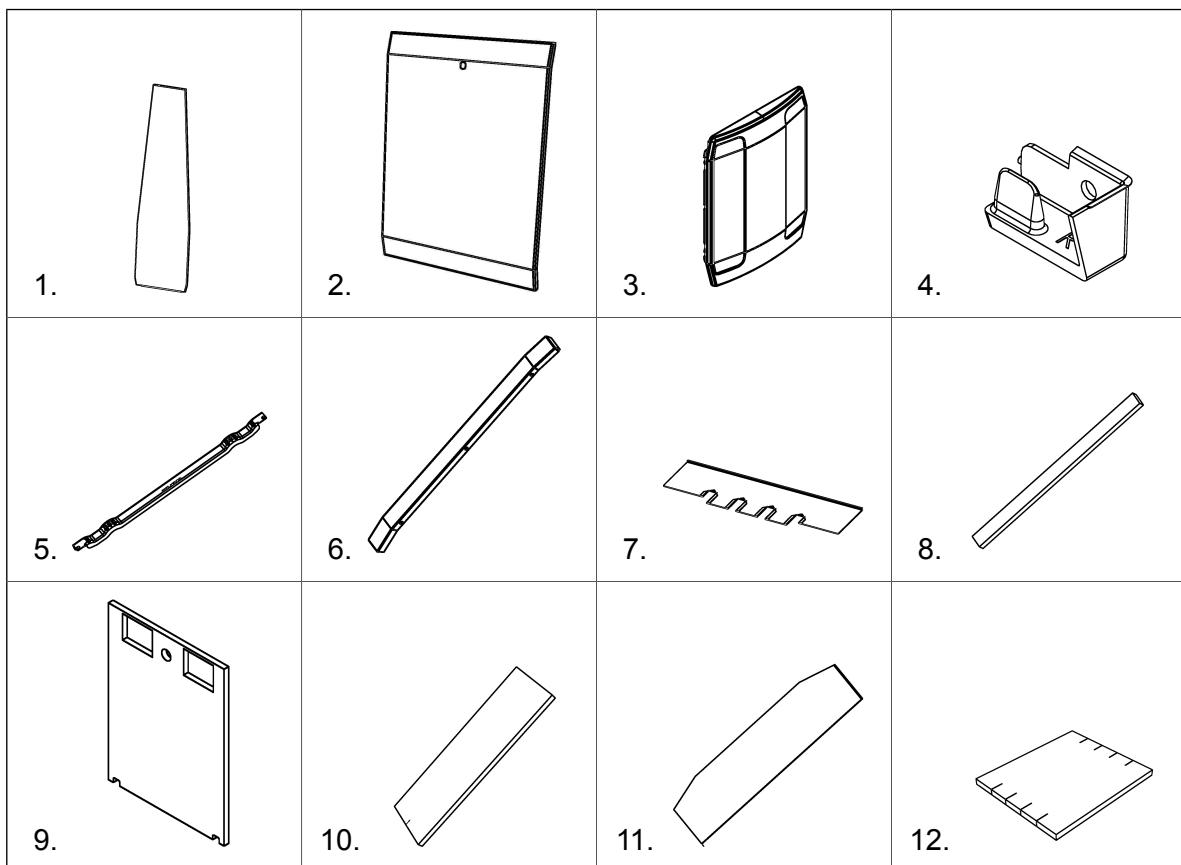
10.5 Helix 6000 - C-Style, extra narrow

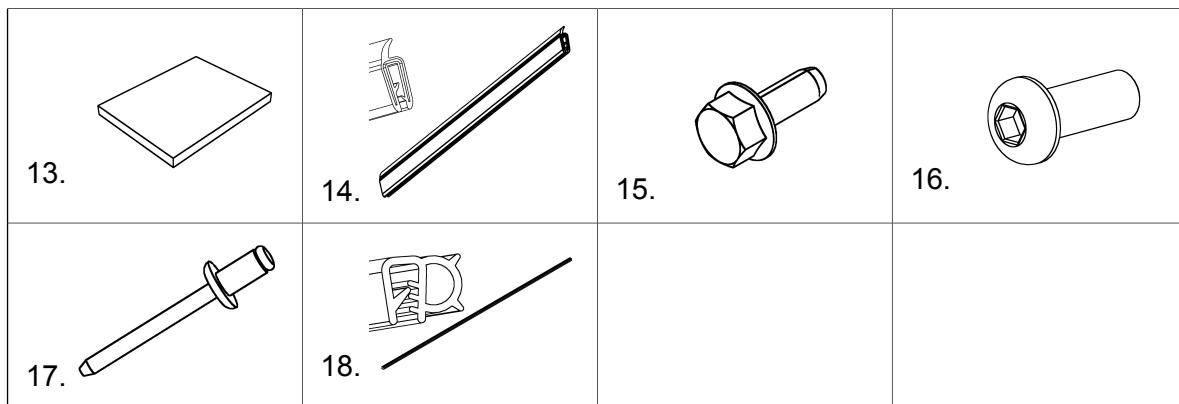


No.	Part Number	Description	Amount
1	WM051842-W001	Side panel H=1976	1

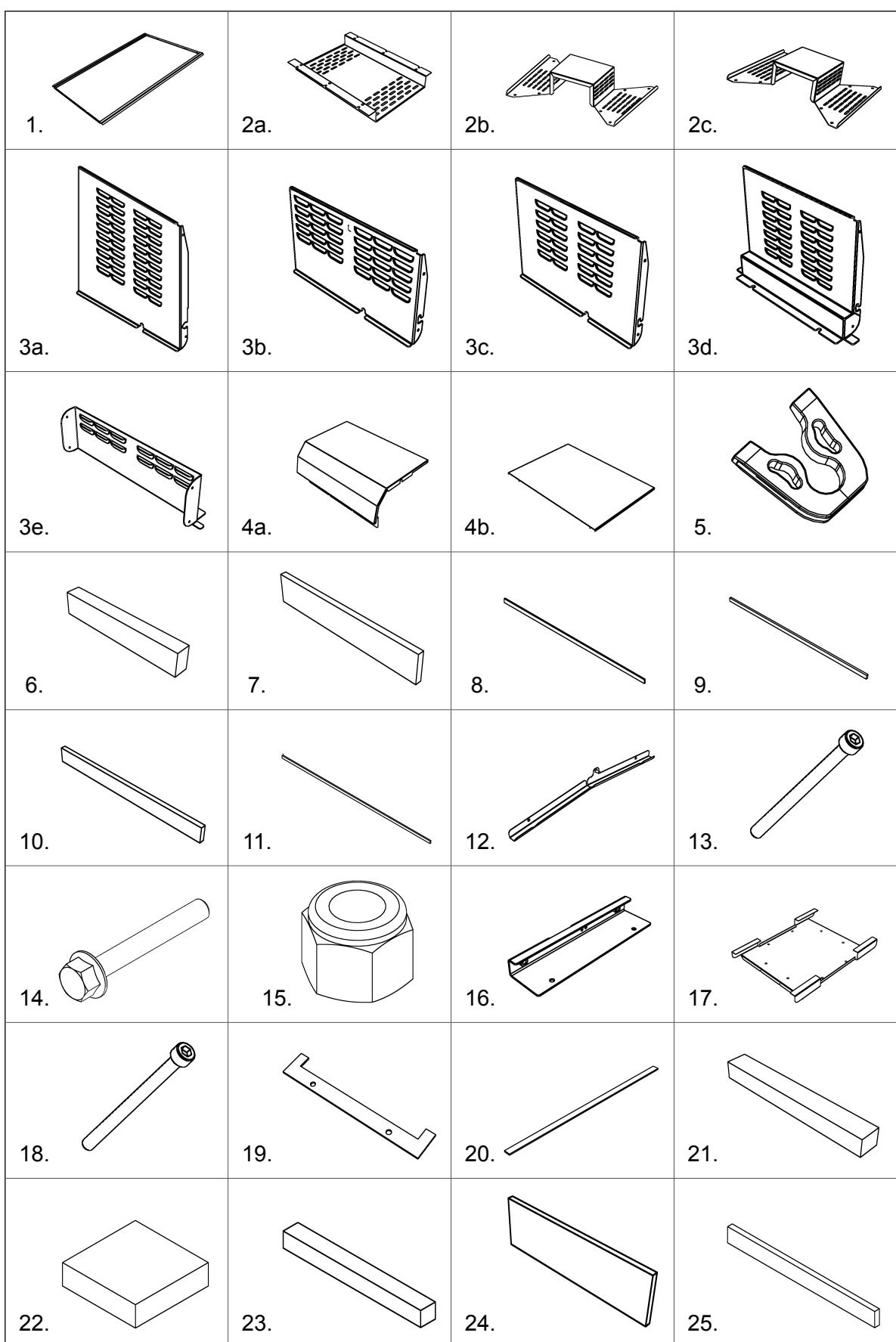
No.	Part Number	Description	Amount
2	WM053086-W001	Front panel Helix 1000, white	2
3	WM054414-F050	Side panel with brackets, grey	1
4		Moulded front panel guide	
	WM047368-0001	- Pin left (on picture)	2
	WM047368-0002	- Pin right	2
5	WM046999-F050	Deep drawn side panel assembly bracket, gray	2
6	WM057964-F050	Panel spacer	2
7	WM054387-0006	Gasket profile L=502	2
8	WB000300-0001	Taptite screw, hexagon flange, M6x16	8
9	WB000652-0001	Screw, hexagon socket button, M6x16	2
10	WM044310-0001	Pop rivet, dome head 6 diameter x10, grip range 2-4mm	6
11	WM053063-0005	Gasket profile L=580 mm	1

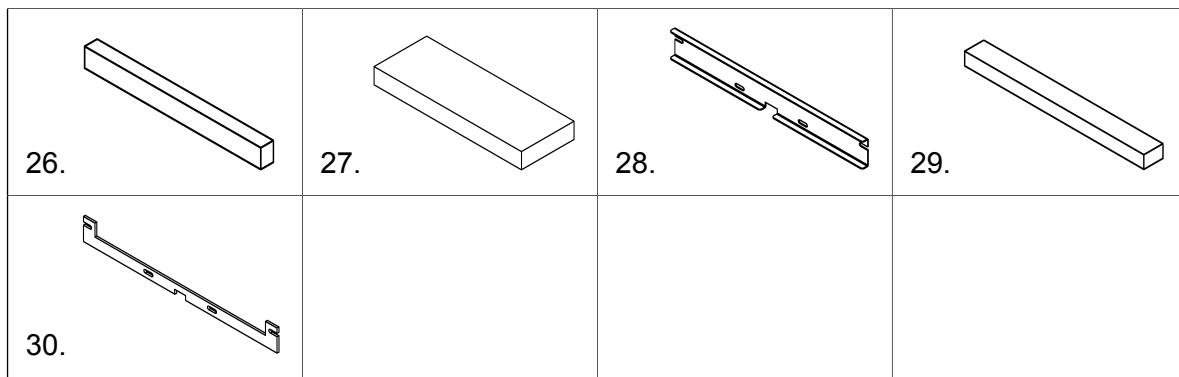
10.6 Helix 6000 - C-Style, extra narrow, DEF





No.	Part Number	Description	Amount
1	WM051842-W001	Side panel H=1976	1
2	WM053086-W001	Front panel Helix 1000, white	2
3	WM054414-F050	Side panel with brackets, grey	1
4		Moulded front panel guide pin	
	WM047368-0001	- Pin left (on picture)	2
	WM047368-0002	- Pin right	2
5	WM046999-F050	Deep drawn side panel assembly bracket, gray	2
6	WM057964-F050	Panel spacer	2
7	WM059769	Panel	2
8	WM057982	Gasket isolation T=25	2
9	WM057978	Gasket isolation Helix 1000 door T=20	2
10	WM057979	Gasket isolation T=25	1
11	WM057980	Gasket isolation T=10	2
12	WM059775	Gasket insulation T=25mm	1
13	WM059225	Gasket isolation T=10	2
14	WM054387-0006	Gasket profile L=502	2
15	WB000300-0001	Taptite screw, hexagon flange, M6x16	8
16	WB000652-0001	Screw, hexagon socket button, M6x16	2
17	WM044310-0001	Pop rivet, dome head 6 diameter x10, grip range 2-4mm	6
18	WM053063-0005	Gasket profile L=580 mm	1

10.7 Base head exterior

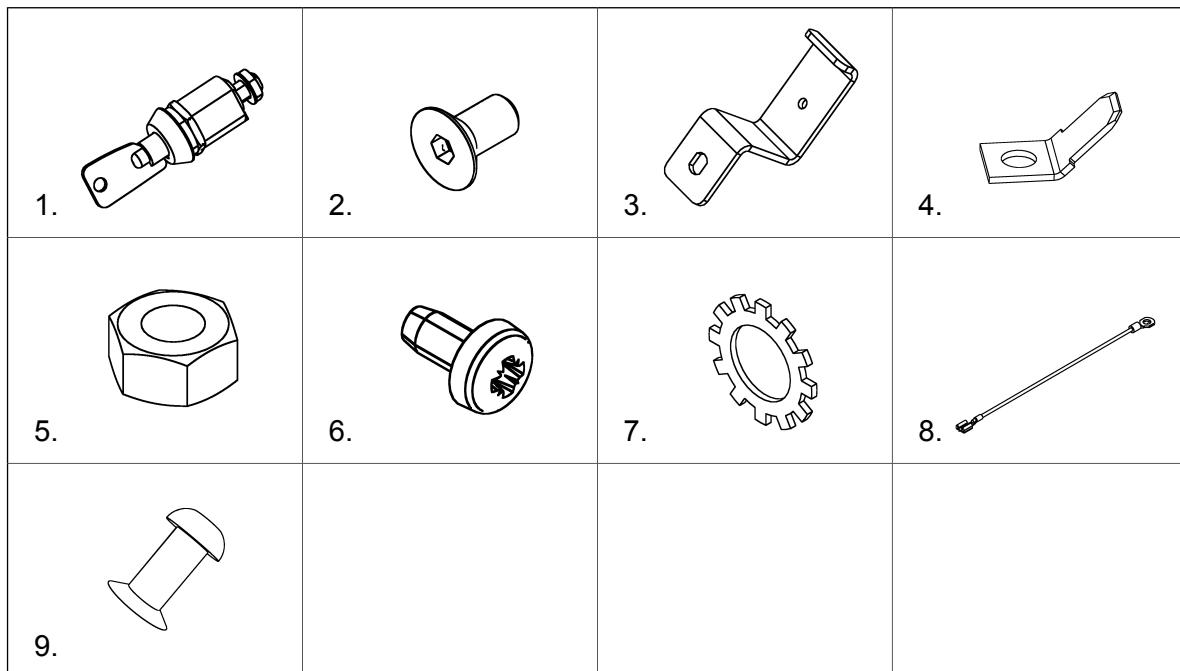


No.	Part Number	Description	Amount
1	WM052637-F105	Support, box shape, roof, electronic head, grey	1
		Support, box shape cable channel, grey	
2a	WM061463-F105	- Base haed	1
	WM061472	- Gasket L=448, W=30, T=3	
2a	WM061463-F105	- Base head, media	1
	WM061472	- Gasket L=448, W=30, T=3	
2b	WM060555-F105	- Base head + option box	1
2c	WM060336-F105	- Base hade , media + option box	1
		Side panel, ventilation, grey	
3a	WM057281-F105	- Base head	2
3b	WM060132-F105	- Base head, media	2
3c	WM060839-F105	- Base head + option box	2
3d	WM060842-F105	- Base hade , media + option box	2
3e	WM060880-F105	- Base hade, 3rd party payment box	2
		Top panel, hydraulic cabinet, grey	
4a	WM057340-F105	- Base head	2
4a	WM057340-F105	- Base head, media	2
4a	WM057340-F105	- Base head + option box	2
4b	WM060879-F105	- Base hade , media + option box	1
4b	WM060879-F105	- Base hade , media + PT	1
4b	WM060879-F105	- Base hade, 3rd party payment box	1
5	WM050303	Clamp side panel	8
6		Gasket	

No.	Part Number	Description	Amount
	WM058128	- Base head & Base head, media (L=277, W=50, T=30)	4
	WM060560	- Base head + option box (L=149, W=50, T=30)	4
	WM060558	- Base hade , media + option box (L=190, W=50, T=3)	4
7	WM058130	Gasket, L= 274, W=50, T=10	4
8	WM053031	Gasket L=426, H=10, W=3	
9	WM058616	Gasket, L=275, W=6, T=3	4
10	WM062426	Gasket L=112, W=10, T=3	4
11	WM055014	Gasket top box hydraulic	2
12	WM057773	Support, U-shape drainage, metallic head	2
13	WB000211-0004	Screw, hexagon socket cap, M6x12	8
14	WM019873-0003	Screw, hex head, M6 x 45, with flange	4
15	WB000229-0001	Lock nut M3	6
16	WM060597	Support, U-shape (media + option box, media + PT, 3rd party payment box)	2
17	WM060878-F105	Top panel, hydraulic cabinet, grey (media + option box, media + PT, 3rd party payment box)	1
18	WB000211-0012	Screw, hexagon socket cap, M6x10 (media + option box)	12
19	WM060631	Gasket, hydraulic top (media + option box, media + PT, 3rd party payment box)	2
20	WM060867	Gasket, L=610, W=20, T=4 (media + option box, media + PT, 3rd party payment box)	2
21	WM061018	Gasket, L=274, H=30, T=35 (media + option box, media + PT, 3rd party payment box)	2
22	WM062356	Gasket, L=36, W=36, T=10	
23	WM062370	Gasket, L=282, W=30, T=30	
24	WM062428	Gasket, L=314, W=100, T=10	
25	WM062548	Gasket, L=314, W=30, T=10	
26	WM062410	Gasket, L=282, W=30, T=20	

No.	Part Number	Description	Amount
27	WM062355	Gasket, L= 279, W=100, T=30	
28	WM060885	Support, U-shape	
29	WM060886	Gasket, L=282 H=30 T=20	
30	WM062621	Gasket, payment terminal	

10.8 Grounding hydraulic door



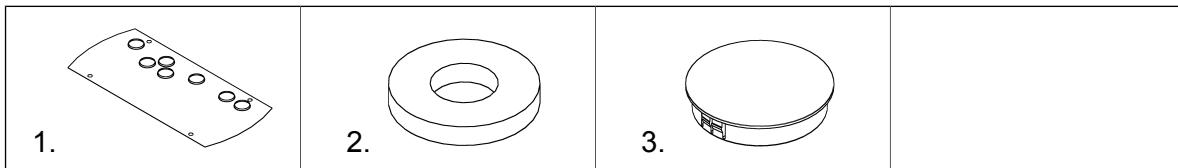
No.	Part Number	Description	Amount
1	WM001994-000X	Lock	1
2	WB000280-0001	Screw, CSK socket CAP, M4x8	1
3	WM048401	Latch Z-shape, range=50, w=20, l=27,2	1
4	WM007829	Cable pin	1
5	WB000228-0002	Nut M4	1
6	WB000663-0001	Taptite screw, cross recessed, pan head, M3x6	1
7	WB000233-0002	Lock washer M4	1
8	WM007869-0001	Cable twisted tinned copper strands 1x2.5 L=540	1
9	WM013629-0001	Pop rivet, CSK head, 4.0 diameter x12, Grip range 6,4-8.5	1

10.9 Brackets for advertising panel BP

No.	Part Number	Description	Amount
1	WM057863	Support, U-shape advertising panel, with tape	
2	WB000300-0002	Taptite screw, hexagon flange, M6x12	

11 Drip pan, Foundation frame, Adapter plate

11.1 Drip pan

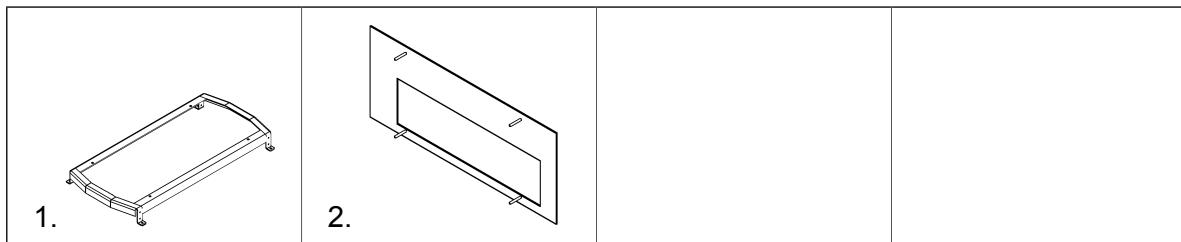


No.	Part Number	Description	Amount
1		Drip pan, Helix H-style	
	WM047341	- 3 hydraulics, narrow, suction, l=914mm	
	WM047343	- 3 hydraulics, narrow, remote, l=914mm	
	WM047345	- 4 hydraulics, wide, suction, l=1186mm (on picture)	
	WM047347	- 4 hydraulics, wide, remote, l=1186mm	
	WM053620	- 4 hydraulics Global Star H replacement	
		Drip pan, Helix 1000	
	WM053717	- 2 hydraulics, remote	
		Drip pan, Helix 6000	
	WM052309	- Remote wide XX-42	
	WM052307	- Remote wide XX-43	
	WM052305	- Remote wide XX-44	
	WM052303	- Remote narrow XX-31	
	WM052301	- Remote narrow XX-32	
	WM052299	- Remote narrow XX-33	
	WM052290	- Suction wide XX-42	
	WM052288	- Suction wide XX-43	
	WM052286	- Suction wide XX-44	
	WM052284	- Suction narrow XX-31	
	WM052282	- Suction narrow XX-32	
	WM052280	- Suction narrow XX-33	
	WM058825	- DEF (Extra narrow)	
2	WM045648	Gasket	

11 Drip pan, Foundation frame, Adapter plate

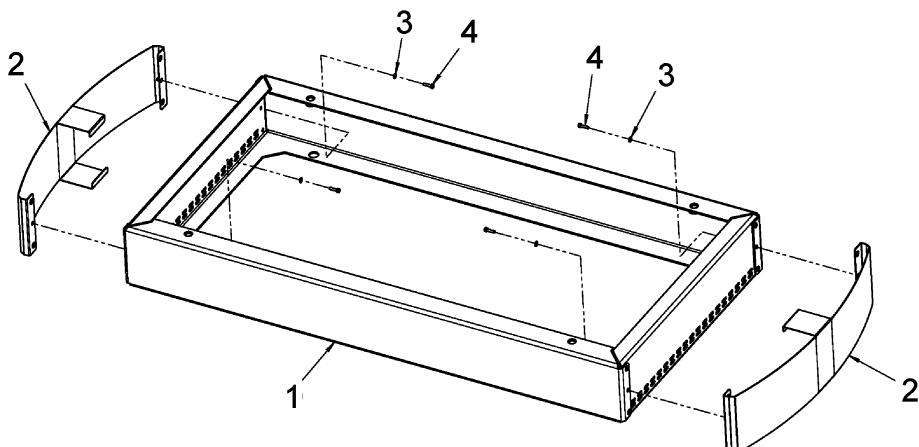
No.	Part Number	Description	Amount
3	WM045216	Plug dome, dia=85,7 mm, t=1,6 - 6,4 mm	

11.2 Foundation frame & adapter plate



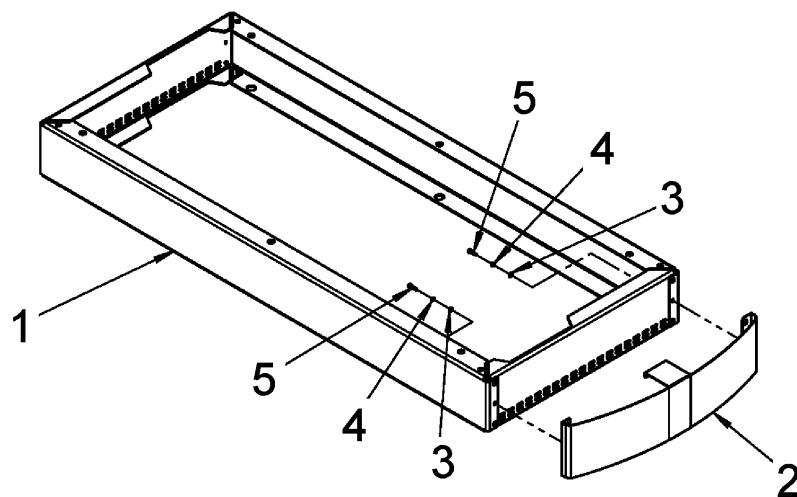
No.	Part Number	Description	Amount
1		Foundation frame, H-style	
	WM047337	- Narrow, l=911mm	
	WM047338	- Wide, l=1183mm (on picture)	
2	WM053607	Adapter plate wide	

11.3 Extended base frame, Helix 4000, Helix 5000



No.	Part Number	Description	Amount
1		Extended base frame, grey	1
	WM062027-F050	- Extended base frame wide, grey	
	WM062030-F050	- Extended base frame narrow, grey	
2	WM056433-F050	Cover plate, extended base frame, grey	2
3	WB000233-0002	Washer, lock M4 id=4.3, od=8, t=0.5	4
4	WB000209-0006	Screw, hexagon socket cap, M4x16	4

11.4 Extended base frame, Helix 6000



No.	Part Number	Description	Amount
		Extended base frame, Helix 6000	
	WM056977-0001	- XX-31	1
	WM056977-0002	- XX-32	1
	WM056977-0003	- XX-33	1
	WM056977-0004	- XX-42	1
	WM056977-0005	- XX-43	1
	WM056977-0006	- XX-44	1
	WM056977-0007	- XX-53	1
	WM056977-0008	- XX-54	1
	WM056977-0009	- XX-55	1
1		Base, extended base frame	
	WM058529-F050	- Extra narrow	1
	WM056968-F050	- XX-31	1
	WM056969-F050	- XX-32	1
	WM056970-F050	- XX-33	1
	WM056971-F050	- XX-42	1
	WM056972-F050	- XX-43	1
	WM056973-F050	- XX-44	1
	WM056974-F050	- XX-53	1

11 Drip pan, Foundation frame, Adapter plate

No.	Part Number	Description	Amount
	WM056974-F050	- XX-54	1
	WM056976-F050	- XX-55	1
2	WM056433-F050	Cover plate, extended base frame	1
3	WB000232-0002	Washer, plain, M4 ID=4.3, OD=9, T=0.8	2
4	WB000233-0002	Washer, lock, M4 ID=4.3, OD=8, T=0.5	2
5	WB000209-0006	Screw, hexagon socket cap, M4x16	2

12 Tubes and couplings

Air separation (suction), Air venting tube - see page 244

12.1 Liquid tubes

See also "Hydraulic configurations (tubes)" page 19.

12.1.1 H-style, high hose

No.	Part Number	Description	Amount
	WM006700-0001	O-ring, t=2.62, id=11.91	
	WM039281	Tube, fuel delivery, side B pipe 30	
	WM039293	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 3 - hose pos 3)	
	WM039299	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 3 - hose pos 3)	
	WM039301	Tube, fuel delivery, side A pipe 23	
	WM039397	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WM039401	Tube, fuel delivery, side B pipe 14	
	WM039403	Tube, fuel delivery, side A pipe 9	
	WM039407	Tube, fuel delivery, side A pipe 13	
	WM039410	Tube, fuel delivery, side B pipe 12	
	WM039412	Tube, fuel delivery, side A pipe 11	
	WM040763	Tube, fuel delivery, side B pipe 28	
	WM040765	Tube, fuel delivery, side B pipe 16	
	WM040767	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 3 - hose pos 1)	
	WM040771	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WM040773	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 2 - hose pos 1)	
	WM040775	Tube, fuel delivery, side B pipe 22	
	WM040777	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 2 - hose pos 2)	
	WM040779	Tube, fuel delivery, side B pipe 32	

No.	Part Number	Description	Amount
	WM040781	Tube, fuel delivery, side A pipe 27	
	WM040783	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 2 - hose pos 2)	
	WM040785	Tube, fuel delivery, side A pipe 29	
	WM040787	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 2 - hose pos 2)	
	WM040791	Tube, fuel delivery, side A pipe 25	
	WM040795	Tube, fuel delivery, side A pipe 21	
	WM040799	Tube, fuel delivery, side B pipe 36	
	WM040801	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 2 - hose pos 1)	
	WM040803	Tube, fuel delivery, side B pipe 10	
	WM040805	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 3 - hose pos 2)	
	WM040807	Tube, fuel delivery, side A pipe 7	
	WM040810	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WM040812	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 2 - hose pos 1)	
	WM040833	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 3 - hose pos 1)	
	WM041328	Tube, fuel delivery, side A pipe 35 remote	
	WM041330	Tube, fuel delivery, side A pipe 33 remote	
	WM041332	Tube, fuel delivery, side A pipe 35 suction	
	WM041334	Tube, fuel delivery, side A pipe 33 suction	
	WM041336	Tube, fuel delivery, side B pipe 24	
	WM041338	Tube, fuel delivery, side B pipe 40	
	WM041340	Tube, fuel delivery, side B pipe 44	
	WM041342	Tube, fuel delivery, side B pipe 42	
	WM042209	Tube, fuel delivery, side B 3 connections	
	WM044592	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 2 - hose pos 2)	

No.	Part Number	Description	Amount
	WM044598	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 3 - hose pos 2)	
	WM044600	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WM044602	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 2 - hose pos 1)	
	WM044617	Tube, fuel delivery, side A	
	WM044620	Tube, fuel delivery, side A	
	WM044622	Tube, fuel delivery, side B	
	WM044624	Tube, fuel delivery, side B	
	WM044627	Tube, fuel delivery, side A	
	WR001308	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WR001310	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 2 - hose pos 2)	
	WR001312	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WR001314	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 2 - hose pos 2)	
	WR001230	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WR001232	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WR001234	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WR001236	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 2 - hose pos 1)	
	WR001238	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 2 - hose pos 2)	
	WR001240	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WR001242	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 1 - hose pos 1)	
	WR001244	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 2 - hose pos 1)	

No.	Part Number	Description	Amount
	WR001246	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 1 - hose pos 2)	
	WR001248	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 1 - hyd pos 2)	
	WR001250	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 2 - hose pos 1)	
	WU008551	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 2 - hose pos 4)	
	WU008553	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 2 - hose pos 4)	
	WU008556	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 4 - hose pos 4)	
	WU008589	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 4 - hose pos 4)	
	WU008591	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 2 - hose pos 1)	
	WU008594	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 1 - hose pos 4)	
	WU008597	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 2 - hose pos 4)	
	WU008600	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 1 - hose pos 3)	
	WU008602	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 1 - hose pos 3)	
	WU008604	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 1 - hose pos 4)	
	WU008606	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 2 - hose pos 1)	
	WU008608	Tube, fuel delivery, side B id/od 21.4/24 (hyd post 2 - hose pos 4)	
	WU008615	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 4 - hose pos 2)	
	WU008617	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 3 - hose pos 3)	
	WU008619	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 1 - hose pos 4)	

No.	Part Number	Description	Amount
	WU008622	Tube, fuel delivery, side B id/od 21,4/24 (hyd pos 3 - hose pos 3)	
	WU008625	Tube, fuel delivery, side A id/od 21,4/24 (hyd pos 1 - hose pos 2)	
	WU008627	Tube, fuel delivery, side B id/od 21,4/24 (hyd pos 1 - hose pos 2)	
	WU008632	Tube, fuel delivery, side A id/od 21,4/24 (hyd pos 4 - hose pos 3)	
	WU008634	Tube, fuel delivery, side B id/od 21,4/24 (hyd pos 4 - hose pos 3)	
	WM045663	Tube, fuel delivery id/od 21.4/24 (for check-valve adapter)	
	WM059653	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 3 - hose pos 5)	
	WM059655	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 3 - hose pos 8)	
	WM059657	Tube, fuel delivery, side A id/od 21.4/24 (hyd pos 3 - hose pos 5)	
	WM059659	Tube, fuel delivery, side B id/od 21.4/24 (hyd pos 3 - hose pos 8)	

See also Hydraulic configurations (tubes) page 19.

12.1.2 C-style (Helix 6000)

No.	Part Number	Description	Amount
	WM006700-0001	O-ring, t=2.62, id=11.91	
	WM029159	Tube, fuel delivery, side A, hyd 1 to coupling	
	WM029162	Tube, fuel delivery, side B, hyd 1 to coupling	
	WM029164	Tube, fuel delivery, side A, hyd 2 to coupling	
	WM029170	Tube, fuel delivery, side B, hyd 2 to coupling	
	WM029172	Tube, fuel delivery, side A, hyd 3 to coupling	
	WM029177	Tube, fuel delivery, side A, hyd 4 to coupling	
	WM029179	Tube, fuel delivery, side B, hyd 4 to coupling	
	WM029175	Tube, fuel delivery, side B, hyd 3 to coupling	

No.	Part Number	Description	Amount
	WM029198	Tube, fuel delivery, side A, hyd 1 duplex valve (L) - coupling	
	WM029200	Tube, fuel delivery, side B, hyd 1 duplex valve (L) - coupling	
	WM029269	Tube, fuel delivery, side A, hyd 1 duplex valve (U) - coupling	
	WM029278	Tube, fuel delivery, side B, hyd 1 duplex valve (U) - coupling	
	WM029280	Tube, fuel delivery, side A, hyd 2 duplex valve (U) - coupling	
	WM029282	Tube, fuel delivery, side B, hyd 2 duplex valve (U) - coupling	
	WM053095	Tube, fuel delivery, side A, hyd 1 hose connection 1A	
	WM053097	Tube, fuel delivery, side A, hyd 2 hose connection 2A	
	WM053102	Tube, fuel delivery, side A, hyd 4 hose connection 4A	
	WM053100	TUBE, fuel delivery, side A, hyd 3 hose connection 3A	
	WM053106	Tube, fuel delivery, side B, hyd 1 hose connection 1B	
	WM053108	Tube, fuel delivery, side B, hyd 2 hose connection 2B	
	WM053112	Tube, fuel delivery, side B, hyd 4 hose connection 4B	
	WM053110	Tube, fuel delivery, side B, hyd 3 hose connection 3B	
	WM053104	Tube, fuel delivery, side A hyd 5 hose connection 5A	
	WM053115	Tube, fuel delivery, side B hyd 5 hose connection 5B	
	WM053121	Tube, fuel delivery, side A, hyd 1 hose connection 1B	
	WM053123	Tube, fuel delivery, side A, hyd 2 hose connection 2B	

No.	Part Number	Description	Amount
	WM053127	Tube, fuel delivery, side A, hyd 4 hose connection 4B	
	WM053129	Tube, fuel delivery, side A hyd 5 hose connection 5B	
	WM053125	Tube, fuel delivery, side A, hyd 3 hose connection 3B	
	WM053145	Tube, fuel delivery, side A coupling - hose connection 1A	
	WM053147	Tube, fuel delivery, side B coupling - hose connection 1B	
	WM053150	Tube, fuel delivery, side A coupling - hose connection 2A	
	WM053152	Tube, fuel delivery, side B coupling - hose connection 2B	
	WM053173	Tube, fuel delivery, side A, hyd 3 hose connection 2A	
	WM053177	Tube, fuel delivery, side A, hyd 4 hose connection 3A	
	WM053179	Tube, fuel delivery, side B, hyd 4 hose connection 3B	
	WM053175	Tube, fuel delivery, side B, hyd 3 hose connection 2B	
	WM053200	Tube, fuel delivery, side A, hyd 1 duplex valve (U) - hose connection 2A	
	WM053202	Tube, fuel delivery, side B, hyd 1 duplex valve (U) - hose connection 2B	
	WM053212	Tube, fuel delivery, side A coupling - hose connection 1A, SAT model	
	WM053214	Tube, fuel delivery, side B coupling - hose connection 1B, SAT model	
	WM053234	Tube, fuel delivery, side A, hyd 1 duplex valve (L), SAT	
	WM053237	Tube, fuel delivery, side A, hyd 2 duplex valve (L), SAT	
	WM053239	Tube, fuel delivery, side B, hyd 1 duplex valve (L), SAT	

No.	Part Number	Description	Amount
	WM053241	Tube, fuel delivery, side B, hyd 2 duplex valve (L), SAT	
	WM053254	Tube, fuel delivery, side A coupling - hose connection 1B	
	WM053256	Tube, fuel delivery, side A coupling - hose connection 2B	
	WM053265	Tube, fuel delivery, side A, hyd 4 hose connection 3B	
	WM053263	Tube, fuel delivery, side A, hyd 3 hose connection 2B	
	WM053272	Tube, fuel delivery, side A, hyd 1 duplex valve (U) - hose connection 2B	
	WM053278	Tube, fuel delivery, side B, hyd 1 hose connection 1A	
	WM053288	Tube, fuel delivery, side A, hyd 4 hose connection 2A	
	WM053290	Tube, fuel delivery, side B, hyd 4 hose connection 2B	
	WM053282	Tube, fuel delivery, side A, hyd 2 hose connection 1A	

See also Hydraulic configurations (tubes) page 19.

12.2 Vapor recovery tubes

12.2.1 Helix 1000

No.	Part Number	Description	Amount
1	WM053370	Tube, vapour, side A di/do 8/10, pump - ground	
2	WM053372	Tube, vapour, side B di/do 8/10, pump - ground	
3	WM053589	Tube, vapour id/od 8/10, Vapourgate - hoseconnect, side B	
4	WM053603	Tube, vapour id/od 8/10, Vapourgate - hoseconnect, side A	
5	WM053723	Tube, vapour id/od 8/10, solenoid - hoseconnect, side B	

No.	Part Number	Description	Amount
6	WM053724	Tube, vapour id/od 8/10, solenoid - hoseconnect, side A	
7	WM040693	Tube, vapour do 10, damper, Vapourgate	
8	WM040697	Tube, vapour do 10, damper - solenoid, side A	
9	WM022102	Tube, flexible, Vapourgate, valve - pump	
10	WM055163	Tube, vapour straight, l=85	
11	WM055167	Tube, vapour T-con. - Vapourgate, side A	
12	WM055169	Tube, vapour T-con. - Vapourgate, side B	
13	WM055171	Tube, vapour hose con. - T-con. side B	
14	WM021787	Tube, vapour, vapourgate, prop.valve - filter, A and B side	
15	WM055161	Tube, vapour straight, l=45	

12.2.2 Small style (Helix 2000)

No.	Part Number	Description	Amount
1	WR001291	Tube, vapor do 10, solenoid - outlet connection	
2	WR001293	Tube, vapor do 10, solenoid - outlet connection	
3	WR001295	Tube, vapor do 10, solenoid - outlet connection	
4	WR001297	Tube, vapor do 10, solenoid - outlet connection	
5	WR001329	Tube, vapor do 10, vacuum pump - T-connection (Healy)	
6	WR001331	Tube, vapor do 10, vacuum pump - outlet connection (Healy)	
7	WR001333	Tube, vapor do 10, vacuum pump - outlet connection (Healy)	
8	WR001335	Tube, vapor do 10, vacuum pump - t-connection (Healy)	
9	WR001337	Tube, vapor do 10, vacuum pump - outlet connection (Healy)	

No.	Part Number	Description	Amount
10	WR001339	Tube, vapor do 10, vacuum pump - outlet connection (Healy)	
11	WR001340	Tube, vapor do 10, T- connection - outlet connection (Healy)	
12	WR001341	Tube, vapor do 10, T-connection - outlet connection (Healy)	
13	WR001351	Tube, vapor do 10, solenoid-outlet connection, side A - IEC	
14	WR001353	Tube, vapor do 10, solenoid-outlet connection, side A - IEC	
15	WR001355	Tube, vapor do 10, solenoid-outlet connection, side B - IEC	
16	WR001357	Tube, vapor do 10, solenoid-outlet connection, side B - IEC	
17	WR001359	Tube, vapor do 10, solenoid-outlet connection, side A - IEC	
18	WR001361	Tube, vapor do 10, solenoid-outlet connection, side A - IEC	
19	WR001363	Tube, vapor do 10, solenoid-outlet connection, side B - IEC	
20	WR001365	Tube, vapor do 10, solenoid-outlet connection, side B - IEC	
21	WM048756	Tube, vapor di/do 8/10, vapor gate-outlet, down, side A	
22	WM048758	Tube, vapor di/do 8/10, vapor gate-outlet, up, side A	
23	WM048760	Tube, vapor di/do 8/10, vapor gate-outlet, down, side B	
24	WM048762	Tube, vapor di/do 8/10, vapor gate-outlet, up, side B	
25	WM048732	Tube, vapor id/od 8/10, oulet connection side A right	
26	WM048735	Tube, vapor id/od 8/10, oulet connection side A left	
27	WM048714	Tube, vapor id/od 8/10 ,oulet connection side B right	

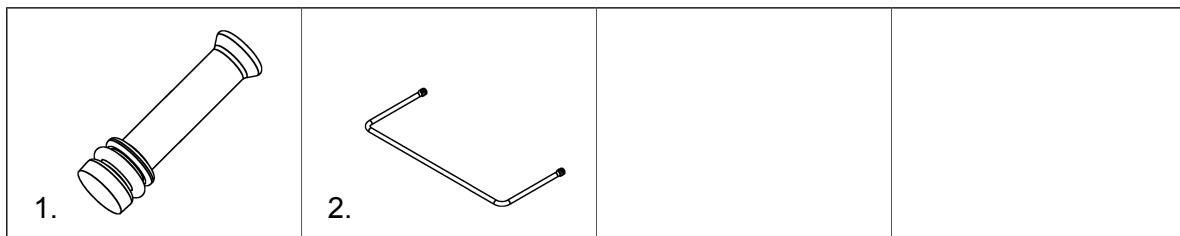
No.	Part Number	Description	Amount
28	WM048727	Tube, vapor id/od 8/10, oulet connection side B left	
29	WM048738	Tube, vapor id/od 8/10 , connector down 1A	
30	WM048740	Tube, vapor id/od 8/10, connector up 1A	
31	WM048742	Tube, vapor id/od 8/10, connector down 1B	
32	WM048745	Tube, vapor id/od 8/10, connector up 1B	
33	WM061524	Tube, vapour id/od 10/12, pump side A - union	
34	WM061527	Tube, vapour id/od 10/12, pump side B - union	
35	WM062416	Tube, vapour id/od 10/12, union-hose con. left	
36	WM062447	Tube, vapour id/od 10/12, union-hose con. right	

12.2.3 H-style (Helix 4000, Helix 5000)

No.	Part Number	Description	Amount
	WM040683	Tube, vapor do 10, vapor Gate - column, left	
	WM040686	Tube, vapor do 10, vapor Gate - column, narrow, right	
	WM040689	Tube, vapor do 10, vapor Gate - column, wide, right	
	WM041197	Tube, vapor do 10, solenoid - column, side B	
	WM041199	Tube, vapor do 10, solenoid - column, narrow, side A	
	WM041201	Tube, vapor do 10, solenoid - column, wide, side A	
	WM047586	Tube, vapor do 10, check valve - column, wide, right	
	WM047588	Tube, vapor do 10, check valve - column, left	
	WM047590	Tube, vapor do 10, check valve - column, right	
	WM048617	Tube, vapor id/od 8/10 (Healy)	

No.	Part Number	Description	Amount
	WM048619	Tube, vapor id/od 8/10 (Healy, narrow)	
	WM048620	Tube, vapor id/od 8/10 (Healy)	
	WM048622	Tube, vapor id/od 8/10 (Healy, wide)	
	WM061948	Tube, vapour id/od 10/12 central pump	
	WM061532	Tube, vapour id/od 8/10, side B, inlet	
	WM061538	Tube, vapour id/od 8/10, side A, inlet, wide	
	WM061540	Tube, vapour id/od 8/10, side B, inlet, wide	

12.2.4 C-style (Helix 6000)



No.	Part Number	Description	Amount
1	WM031400	Plug	
		Tube, hose adapter - hose adapter	
	WM028933	- L=141 (each)	
	WM029405	- L=281 (every two)	
	WM029407	- L=450 (every third)	
	WM056270	- L=560 (every Fourth)	
	WM053456	Tube, vapor do10, solenoid - hose connection 1A	
	WM053458	Tube, vapor do10, solenoid - hose connection 1B	
	WM053460	Tube, vapor do10, solenoid - hose connection 2A	
	WM053462	Tube, vapor do10, solenoid - hose connection 2B	
	WM053464	Tube, vapor do10, solenoid - hose connection 3A	
	WM053466	Tube, vapor do10, solenoid - hose connection 3B	

No.	Part Number	Description	Amount
	WM053470	Tube, vapor do10, solenoid - hose connection 4A	
	WM053473	Tube, vapor do10, solenoid - hose connection 4B	
	WM053475	Tube, vapor do10, solenoid - hose connection 5A	
	WM053477	Tube, vapor do10, solenoid - hose connection 5B	
	WM053494	Tube, vapor do10, vapour gate - hose connection 1A	
	WM053504	Tube, vapor do10, vapour gate - hose connection 1B	
	WM053509	Tube, vapor do10, vapour gate - hose connection 2A	
	WM053511	Tube, vapor do10, vapour gate - hose connection 2B	
	WM053516	Tube, vapor do10, vapour gate - hose connection 3A	
	WM053523	Tube, vapor do10, vapour gate - hose connection 3B	
	WM053532	Tube, vapor do10, vapour gate - hose connection 4A	
	WM053538	Tube, vapor do10, vapour gate - hose connection 4B	
	WM053540	Tube, vapor do10, vapour gate - hose connection 5A	
	WM053542	Tube, vapor do10, vapour gate - hose connection 5B	
	WM053813	Tube, vapor do10, check valve - vapour gate, side A	
	WM053816	Tube, vapor do10, check valve - vapour gate, side B	
	WM053845	Tube, vapor do10, check valve - hose connection 1A	
	WM053847	Tube, vapor do10, check valve - hose connection 1B	

12 Tubes and couplings

No.	Part Number	Description	Amount
	WM053850	Tube, vapor do10, check valve - hose connection 2A	
	WM053853	Tube, vapor do10, check valve - hose connection 2B	
	WM053856	Tube, vapor do10, check valve - hose connection 3A	
	WM053858	Tube, vapor do10, check valve - hose connection 3B	
	WM053860	Tube, vapor do10, check valve - hose connection 4A	
	WM053862	Tube, vapor do10, check valve - hose connection 4B	

DESCRIPTION OF CHANGE	1	2	3	4	5	6	7	8
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HELIX 6000 VR TUBES WITH VAPOR GATE AND CHECK VALVE, SUCTION AND REMOTE

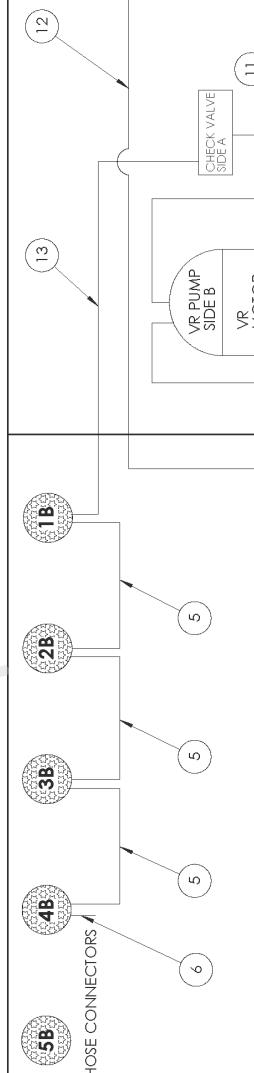
TUBES TO VAPOR RETURN CONNECTION SUCTION BALLOON TUBE	1	WM046060	3	WM028533	
	2	WM048589	4	WM046373-0002	
TUBES TO VAPOR RETURN CONNECTION REMOTE BALLOON TUBE	1	WM051582	3	WM046374-0001	
	2	WM051586	4	WM046374-0003	

FLEX TUBES VR PUMP TO VALVE SUCTION		TUBES AND PLUG INTO HOSE CONNECTORS	
BALLOON	3	TUBE	WM028533
	4		WM029405
or every two or every third			WM029407

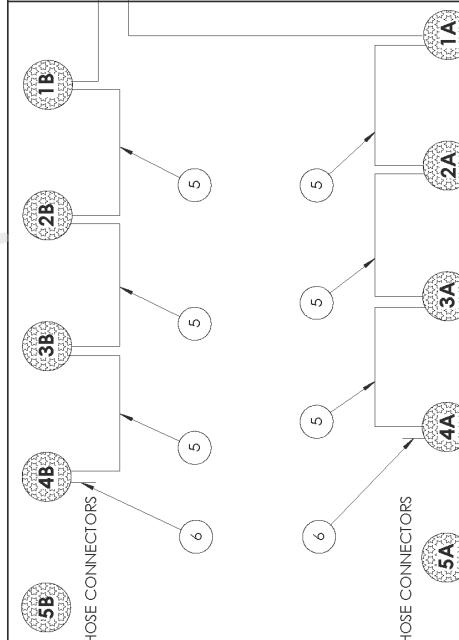
FLEX TUBES VR PUMP TO VALVE REMOTE		TUBES VAPE TO DAMPER	
BALLOON	3	BALLOON	WM04095
	4		WM04097

TUBES CHECK VALVE B-SIDE TO HOSE CONNECTORS		TUBES VAPE TO DAMPER	
		BALLOON	WM0285345
			WM053350
			WM053356
			WM053360
			WM053364
			WM053366

NOZZLES SIDE B



NOZZLES SIDE A



NOTE:

HOSE CONNECTORS 1B - 5B BELONGS TO NOZZLES ON SIDE A
HOSE CONNECTORS 1A - 5A BELONGS TO NOZZLES ON SIDE B
TUBES TO HOSE CONNECTORS DEPENDS ON THE FIRST VR POSITION
BY EXAMPLE: IS DIESEL IN NOZZLE POSITION 1, THE TUBES TO HOSE CONNECTORS 2 MUST BE USE

NOTE: FOR REMOTE THE VR PUMPS ARE MOUNTED IN THE MIDDLE OF HYDRAULIC CABINET

UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN mm

MATERIAL	DEBUR AND BREAK
THICKNESS	SHARP EDGES
SURFACE TREATMENT	
SURFACE FINISH	
GENERAL TOLERANCE	
REPLACED BY	

WAYNE
A/E Energy Business
DRAWING NO.
TITLE

SHEET 1 of 3
A2
SW FORM REF: WM002346 Revision 01.5

Preliminary

HELIx 6000 VR TUBES WITH VAPOR GATE, SUCTION AND REMOTE

TUBES TO VAPOR RETURN CONNECTION SUCTION	
BALLOON	TUBE
1	WM054060
2	WM048789

TUBES TO VAPOR RETURN CONNECTION REMOTE	
BALLOON	TUBE
1	WM051582
2	WM051586

FLEX TUBES VR PUMP TO VALVE SUCTION	
BALLOON	TUBE
3	WM046374-0001
4	WM046375-0002

FLEX TUBES VR PUMP TO VALVE REMOTE	
BALLOON	TUBE
3	WM046374-0001
4	WM046374-0003

TUBES VAPOUR GATE B-SIDE TO HOSE CONNECTORS	
BALLOON	TUBE
5	WM028933
or every two	WM029405
or every third	WM029407

TUBES VAPOUR GATE A-SIDE TO HOSE CONNECTORS	
BALLOON	TUBE
6	WM031400, PLUG

TUBE DAMPER TO VAPOUR GATE BALLOON	
9	WM040693

NOZZLES SIDE B

NOZZLES SIDE A

VR PUMP ASSEMBLY

TUBES VAPOUR GATE B-SIDE TO HOSE CONNECTORS	
BALLOON	TUBE
7	WM040695
8	WM040697

TUBES VAPOUR GATE A-SIDE TO HOSE CONNECTORS	
BALLOON	TUBE
4A	WM053540
5A	WM053542

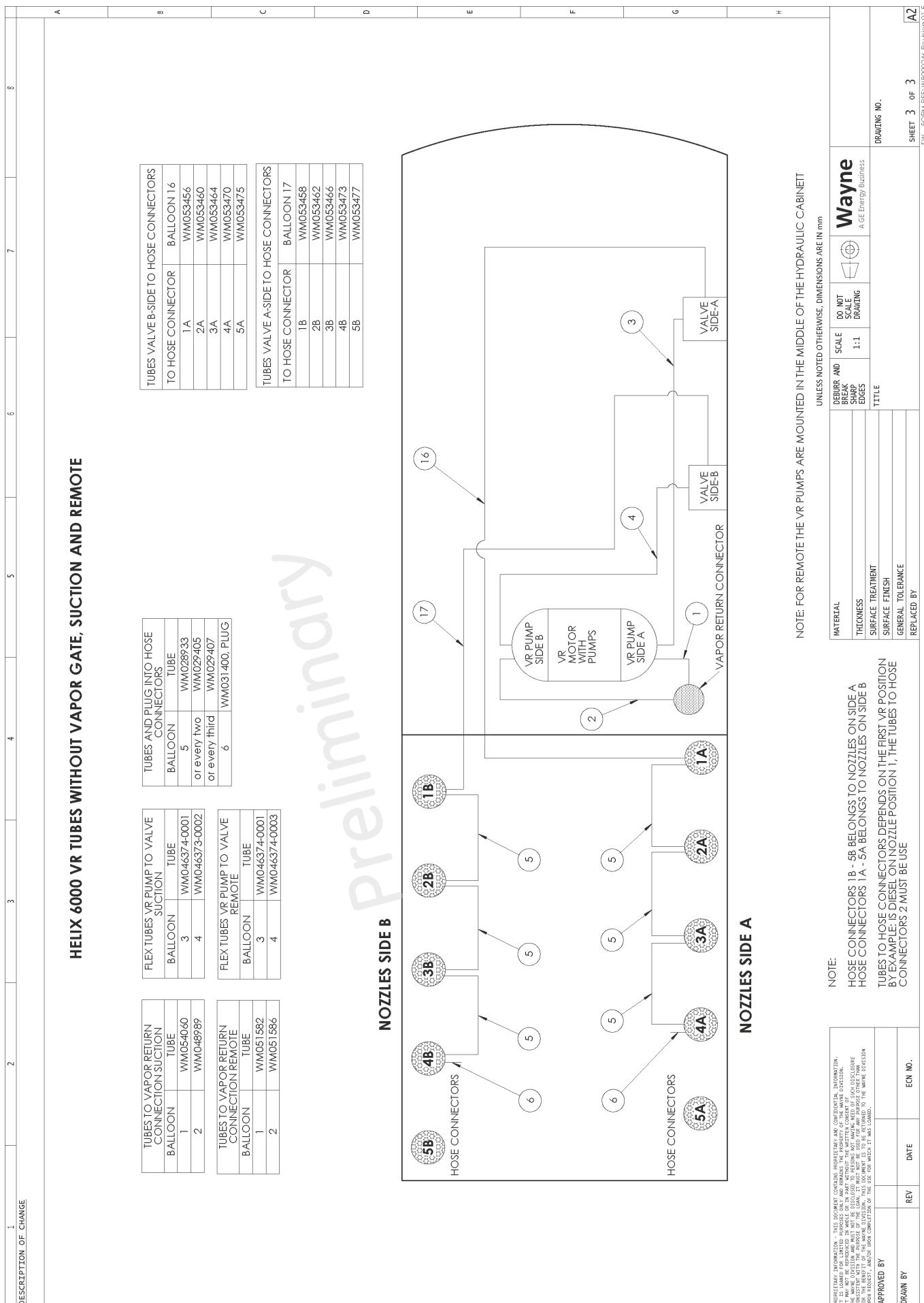
TO HOSE CONNECTOR BALLOON	
1A	WM053494
2A	WM053499
3A	WM053516
4A	WM053532
5A	WM053542

NOTE: FOR REMOTE THE VR PUMPS ARE MOUNTED IN THE MIDDLE OF THE HYDRAULIC CABINET UNLESS NOTED OTHERWISE. DIMENSIONS ARE IN mm

Wayne
A GE Energy Business

DRAWING NO.: SHEET 2 / 3

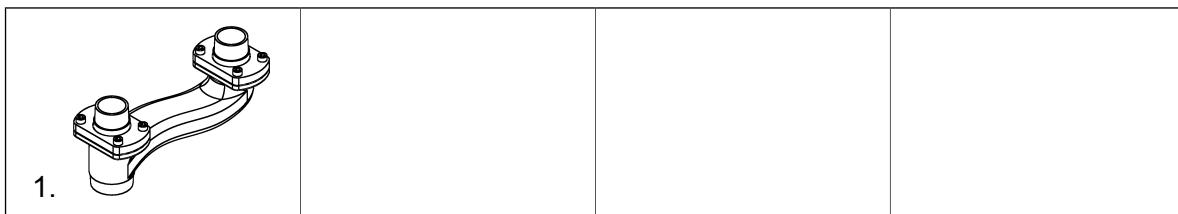
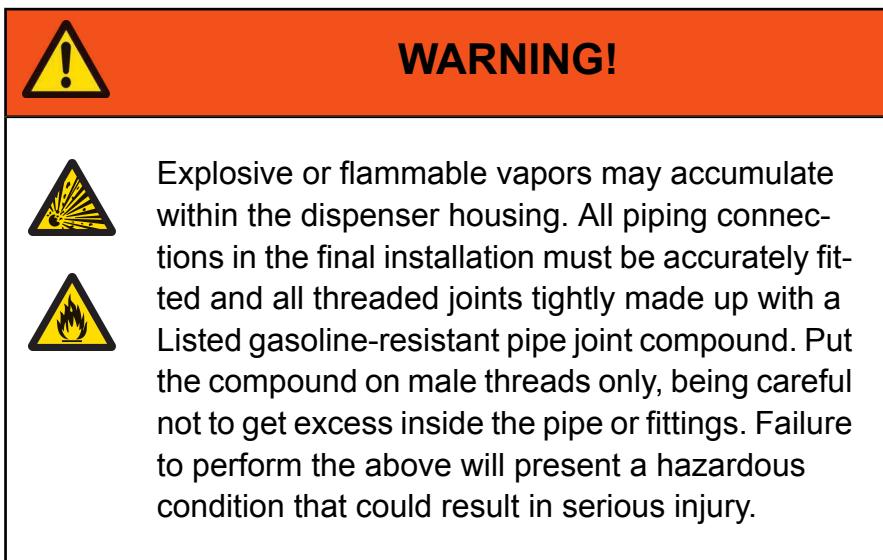
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12.2.5 Common

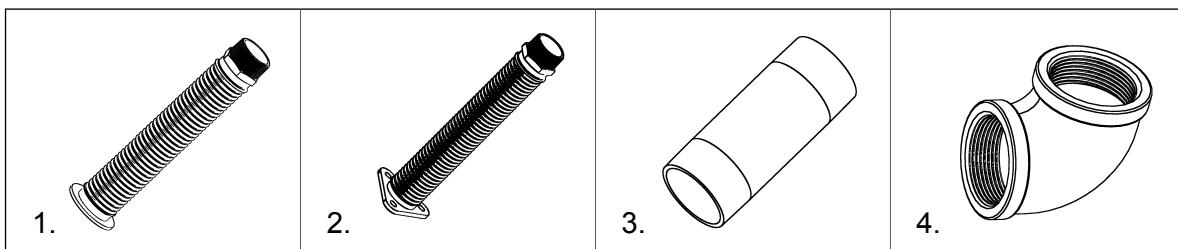
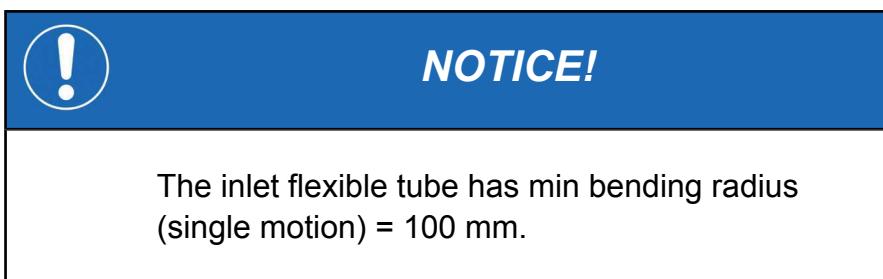
No.	Part Number	Description	Amount
	WM040693	Tube, vapor do 10, damper - Vapor Gate	
	WM040695	Tube, vapor do 10, damper - solenoid, side B	
	WM040697	Tube, vapor do 10, damper - solenoid, side A	
	WM047582	Tube, vapor di/do 8/10, check valve - Vapor Gate, side B	
	WM047584	Tube, vapor di/do 8/10, check valve - Vapor Gate, side A	
	WM046374-0001	Tube, flexible valve-pump, l=500	
	WM046374-0002	Tube, flexible valve-pump, l=720	
	WM046374-0003	Tube, flexible valve-pump, l=920	
	WM047566	Tube, vapor coupling - Vapor Gate, check valve	
	WM021787	Tube, vapor Vapor Gate, prop.valve - filter, A and B side	
	WM042216	Tube, vapor flanged 7/8" Healy out	
	WM042275	Tube, vapor flanged 7/8" ISD out	
	WM042277	Tube, vapor flanged 7/8" Healy ISD narrow	
	WM042279	Tube, vapor flanged 7/8" ISD out wide	
	WM042281	Tube, vapor flanged 7/8" Healy ISD wide	
	WM054060	Tube, vapour od 10, pump, side A - ground	
	WM048989	Tube, vapour do 10, pump, side B - ground	
	WM061516	TUBE, vapour id/od 10/12, pump side A - ground	
	WM061519	Tube, vapour id/od 10/12, pump side B - ground	
	WM061534	Tube, vapour id/od 10/12, pump side A - ground, wide	
	WM061536	Tube, vapour id/od 10/12, pump side B - ground, wide	

12.3 Inlet tubes



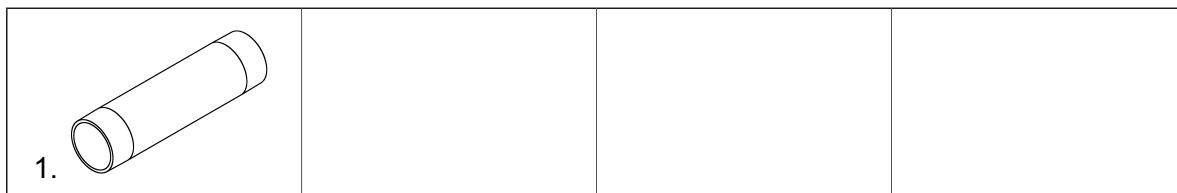
No.	Part Number	Description	Amount
		Inlet manifold (remote and suction)	
1	WR001636	- 1 1/2" NPT (on picture)	1
	WR001636-0001	- 1 1/2" BSPT	1

12.3.1 Suction - flexible inlet tubes



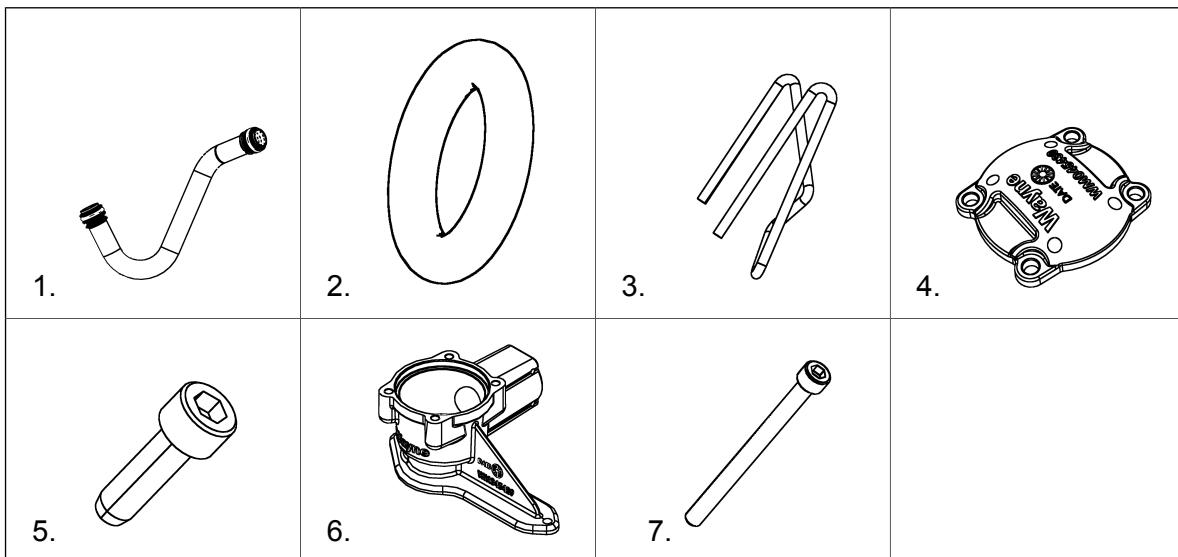
No.	Part Number	Description	Amount
1		Inlet tube IEC - std flange	
	WU007574-0001	- L = 185mm	
	WU007574-0003	- L = 235mm	
	WU007574-0002	- L = 335mm	
2		Inlet tube IEC - triangular flange	
	WU007721-0001	- L = 185mm	
	WU007721-0003	- L = 235mm	
	WU007721-0002	- L = 335mm	
3		Inlet tube UL	
	WU011827-0001	- L=63.5, 1 1/2"NPT	
	WU011827-0002	- L=88.9, 1 1/2"NPT	
	WU011827-0003	- L=114.3, 1 1/2"NPT	
4	WU011829	Coupling 90 degrees 1 1/2" (UL)	

12.3.2 Remote - inlet tubes



No.	Part Number	Description	Amount
1		Tube dispenser inlet	
	WR001644	- l=175, iMeter™	1
	WR001642	- l=197, iMeter™	1
	WR001643	- l=228, iMeter™	1
	WM063270	- l=165, XFlo™	1

12.4 Tube between CPU's



No.	Part Number	Description	Amount
1	WM045663	Tube, fuel delivery id/od 21.4/24 (for check-valve adapter)	1
2	WM045433	O-ring T=4, ID=58.5	2
3	WM043174	Lock pin wire dia=3,2 mm	2
4	WM045430	Cover	1
5	WB000260-0001	Taptite screw, hexagon socket cap, M6M6x16	4
6	WM045432	Coupling	1
7	WB000211-0001	Screw, hexagon socket cap, M6x16	2

12.5 Tubes, densimeter

No.	Part Number	Description	Amount
	WR001268	Tube inlet densimeter od=1/4" (hyd pos1-Small lane)	
	WR001270	Tube inlet densimeter od=1/4" (hyd pos1-Small island)	
	WR001272	Tube inlet densimeter od=1/4" (hyd pos2-Small lane)	
	WR001274	Tube inlet densimeter od=1/4" (hyd pos2-Small island)	
	WR001282	Tube outlet densimeter od=10 (hyd pos1-Small lane)	

No.	Part Number	Description	Amount
	WR001284	Tube outlet densimeter od=10 (hyd pos1-Small island)	
	WR001286	Tube outlet densimeter od=10 (hyd pos2-Small lane)	
	WR001288	Tube outlet densimeter od=10 (hyd pos2-Small island)	
	WR001316	Tube outlet densimeter od=10 (hyd pos3-H-style narrow)	
	WR001318	Tube outlet densimeter od=10 (hyd pos1-H-style narrow)	
	WR001321	Tube inlet densimeter od=1/4" (hyd pos1-H-style narrow)	
	WR001323	Tube inlet densimeter od=1/4" (hyd pos3-H-style narrow)	
	WR001325	Tube outlet densimeter od=10 (hyd pos2-H-style narrow)	
	WR001327	Tube inlet densimeter od=1/4"(hyd pos2-H-style narrow)	
	WR001343	Tube inlet densimeter od=1/4" (hyd pos1-H-style wide)	
	WR001345	Tube inlet densimeter od=1/4" (hyd pos2-H-style wide)	
	WR001347	Tube inlet densimeter od=1/4" (hyd pos3-H-style wide)	
	WR001349	Tube inlet densimeter od=1/4" (hyd pos4-H-style wide)	
	WR001367	Tube outlet densimeter od=10 (hyd pos1-H-style wide)	
	WR001369	Tube outlet densimeter od=10 (hyd pos2-H-style wide)	
	WR001371	Tube outlet densimeter od=10 (hyd pos3-H-style wide)	
	WR001373	Tube outlet densimeter od=10 (hyd pos4-H-style wide)	

12.6 Tubes, Helix 1000 LPG

No.	Part Number	Description	Amount
1	WM057948	Tube LPG filter-pressure gauge, side B	
2	WM057721	Tube LPG Filter-pressure gauge, side A	
3	WM057724	Tube LPG meter-pressure gauge	
4	WM057719	Tube, fuel deliver LPG valve-hose connector	
5	WM058695	Tube, fuel delivery L=140	
6	WM057717	Tube, fuel delivery, LPG meter-valve	
7	WM057658	Tube, fuel delivery LPG inlet meter	
8	WM057689	Tube, fuel delivery LPG inlet, ball valve - filter	
9	WM057674	Tube, fuel delivery LPG T-connector- inlet hyd.B	
10	WM057660	Tube LPG outlet vapour phase diff. valve-safety valve	
11	WM057670	Tube LPG outlet vapour phase ball valve hyd.B	
12	WM057672	Tube safety valve, T-con.	
13	WM057665	Tube LPG outlet vapour phase ball valve hyd.A	
14	WM057678	Tube LPG vapour phase ball valve hyd B-coupl.return	
15	WM057676	Tube LPG outlet vapour phase ball valve-coupl.return	
16	WM057693	Tube LPG outlet fill up valve - coupl.return	
17	WM060239	Tube LPG meter-pressure gauge, single sided	
18	WM060242	Tube, fuel deliver LPG valve-hose connector, single sided	

12.7 Conduits

No.	Part Number	Description	Amount
	WM040845	Conduit 1/2" solenoid valve	
	WM040846	Conduit 1/2" solenoid valve	
	WM040855	Conduit 3/4", Wayne VAC	

No.	Part Number	Description	Amount
	WM040858	Conduit 3/4", Wayne VAC	
	WM040859	Conduit 3/4", Wayne VAC	
	WM040860	Conduit 3/4", Wayne VAC	
	WM040875	Conduit 3/4", junction box	
	WM044875	Conduit 1/2", Healy narrow	
	WM045944	Conduit 1/2", Healy wide	
	WM041027	Conduit 1/2", Healy	
	WU007891-0001	Tube, conduit module, potted, call button	
	WM044876	Tube, conduit 3/4", (junction box)	
	WU008241-0001	Tube, conduit healy module, potted, narrow	
	WU008242-0001	Tube, conduit healy module, potted, wide	

12.8 Conduit accessories

No.	Part Number	Description	Amount
	WM048316-0001	Gasket sealing, l=206mm	
	WM048316-0002	Gasket sealing, l=180mm	
	WM048316-0003	Gasket sealing, l=43mm	
	WM048316-0004	Gasket sealing, l=318mm	
	WM048316-0005	Gasket sealing, l=76mm	
	WM048316-0006	Gasket sealing, l=63.5mm	
	WM048316-0007	Gasket sealing, l=80mm	
	WU007059	Sealing compound, rockite cement	
	WM045471-0001	Seal conduit 1/2"	
	WM045471-0002	Seal conduit 3/4"	
	WM045407-0001	Washer conduit (1/2")	
	WM045407-0002	Washer conduit (3/4")	
	WM046113	Magnet, ring OD=30; ID=21,75; T=4	
	WU007087	Coupling 3/4 NPT conduit union	

12.9 Couplings, IEC Vapor Recovery

No.	Part Number	Description	Amount
	WM020433	Coupling, 90 degree male we 1/4" d=10	
	WM020593	Coupling, straight male ge 1/4" d=10	
	WM047564	Coupling, cross k d=10	
	WM020460	Coupling, T-coupling t d=10	
	WM020453	Coupling, T-coupling male te 1/4" d=10	

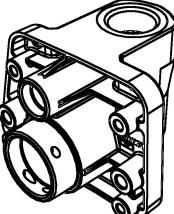
12.10 Couplings, UL Vapor Recovery, common

No.	Part Number	Description	Amount
1	WM042419	Coupling, cross 1" x 1" x 3/4" x 3/4"	
2	WM002001	Plug screw cut 1" - 11 NPTF X 19.05mm long	
3	WM042421	Coupling, straight flare fitting for 7/8" odt with 3/4"-14	
4	WU007084	Washer, plain 28.8 od x 18.3 id, flare	
5	WU007085	Bushing reducer, 3/4 to 3/8 hex	
6	WT002795-0004	Plug hexagon socket 3/4 " NPT male	

12.11 Couplings, UL Healy Vapor Recovery

No.	Part Number	Description	Amount
	WU002005-0001	Coupling, 90 degree 3/4-14 NPT X 1/2-14 NPT	
	WM042428	Coupling 1/2" NPT conduit Union	
	WU007399-0001	Coupling, cross 3/8 NPT	
	WU007412-0001	Coupling fitting, compression 3/8 NPT - 10mm tube	
	WU002669-0001	Inlet nipple	
	WU007720-0001	Plug, 3/8" NPT	
	WU007703-0001	Ball valve, 3/8 NPT MxF UL listed	
	WU007625-0001	Coupling union 10mm to 10mm tube	

12.12 Couplings, Helix 1000 with hose mast

 1.			
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No.	Part Number	Description	Amount
1	WM057128-0001	Coupling 3/4" (on picture)	
	WM057128-0002	Coupling 1"	
	WM057128-0003	Coupling M34 vapour recovery	
	WM057128-0004	Coupling 3/4" imp	
	WM057128-0005	Coupling 1" imp	
	WM057128-0006	Coupling M34 vapour recovery imp	

Hose connector should always be mounted facing upwards when hose mast is used.

12.13 Couplings LPG

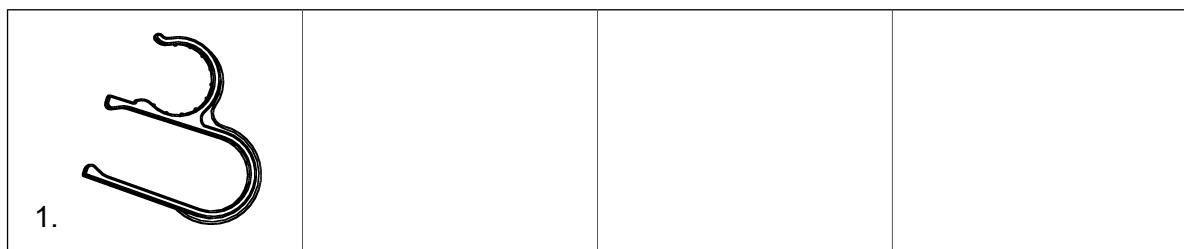
See also "LPG" page 260.

12.13.1 T-coupling, safety valve

No.	Part Number	Description	Amount
1	WM000925	Coupling, T-coupling male T22-PL	1
2	WM002191	Valve safety 24,1 bar	1
3	WM004189	Nut M22-L	1
4	WM060121	Coupling, straight female, 1/4NPT	1

12.14 Couplings, densimeter

No.	Part Number	Description	Amount
	WR001275	Coupling, straight reduction, 1/4" NPT - 1/8" NPT	
	WR001276	Coupling, straight male 1/8" NPT, D=1/4"	
	WR001279	Coupling, 90 degree female 5/8" UNF, male 1/4"NPT, D=10	
	WR001280	Coupling, straight female/male 1/4" NPT	
	WR001223	Coupling	

12.15 Misc.

No.	Part Number	Description	Amount
1	WM048246	Clamp tube protector	

13 Hanging hardware

13.1 Nozzle

No.	Part Number	Description	Amount
	WM044544	Lever assist, kit, Elaflex nozzles	
	WM026214-0004	19mm, 8, spout Id=21/od=25, drip stop, Elaflex	
	WM026217-0002	19mm, 8D, spout id=21/od=25, black, Elaflex	
	WM026217-0003	19mm, 8D, spout id=16/od=21, green, Elaflex	
	WM026217-0004	19mm, 8D, spout id=16/od=21, black DSA, Elaflex	
	WM026217-0005	19mm, 8D, spout id=16/od=25, black DSA, Elaflex	
	WM026217-0007	19mm, 8D, spout id=21/od=25, black, drip stop, DSA, Elaflex	
	WM026217-0008	19mm, 8D, spout id=21/od=25, black, drip stop, UK, lever assist, Elaflex	
	WM026217-0009	19mm, 8D, spout id=16/od=21, black DSA lever assist, Elaflex	
	WM026217-0010	19mm, 8D, spout id=21/od=25, black lever assist, Elaflex	
	WM026217-0011	19mm, 8D, spout id=16/od=21, green lever assist, Elaflex	
	WM026217-0012	19mm, 8D, spout id=21/od=25, black lever assist, Elaflex	
	WM026217-0013	19mm, 8D, spout id=21/od=25, black, drip stop, lever assist, Elaflex	
	WM009034	19mm, 8D, spout id=16/od=19, UREA/DEF, black, Elaflex	
	WM026219-0003	VR, 8D, spout od=25, Elaflex	
	WM026219-0004	VR, 8D, spout od=21, DSA, Elaflex	
	WM026220-0001	VR, 8D, spout od=21, green, Elaflex	
	WM026220-0004	VR, 8D, spout od=21, green with lever assist, Elaflex	

No.	Part Number	Description	Amount
	WM026221-0003	VR, id=16/od=21, green, with break-away, Elaflex	
	WM026221-0021	Id=21/od=21, black, with break, LT, Elaflex	
	WM026221-0002	Id=21/od=25, black, with break, std, Elaflex	
	WM026221-0008	Id=16/od=21, with break, std, Elaflex	
	WM026221-0020	Id=16/od=25, with break, LT, Elaflex	
	WM023228	8D, od=31, black with break-away	
	WR001420-0001	19mm, 4, spout id=19/od=25, Elaflex nozzle type: ZVA 4.3 Slimline	
	WR001420-0002	16mm, 4, spout id=17/od=21, Elaflex nozzle type: ZVA 4.3R Slimline	
	WR001421-0001	4, spout id=25/od=31, Elaflex nozzle type: ZVA 25.45R	
	WR001422-0001	7H, spout od=30, OPW, Inlet 1"NPT	
	WR001423-0001	7HB, spout od=30, OPW, Inlet 1"NPT	
	WR001424-0001	11BP, spout od=21, OPW, inlet 3/4"NPT	
	WR001425-0001	11B, spout od=25, OPW, inlet 3/4"NPT	
	WR001426-0001	11A, spout od=25, OPW, Inlet 3/4"NPT	
	WR001427-0001	11AP, spout od=21, OPW inet 3/4"NPT	
	WR001430-0001	11BP, spout od=21, AILE A2101 11BP, inlet 3/4"NPT	

13.2 Nozzle covers

No.	Part Number	Description	Amount
	WM026428-0002	Cover, moulded, black, Elaflex	
	WM026428-0005	Cover, moulded, blue, Elaflex	
	WM026428-0010	Cover, moulded, BP dark blue, Elaflex	
	WM026428-0011	Cover, moulded, BP light blue, Elaflex	
	WM026428-0007	Cover, moulded, green, Elaflex	
	WM026428-0008	Cover, moulded, light green, Elaflex	
	WM026428-0001	Cover, moulded. orange, Elaflex	
	WM026428-0006	Cover, moulded, red, Elaflex	

No.	Part Number	Description	Amount
	WM026428-0003	Cover, moulded, white, Elaflex	
	WM026428-0004	Cover, moulded, yellow, Elaflex	
	WM026428-0009	Cover, moulded, light yellow, Elaflex	
	WM002337-0001	Cover, moulded VR, yellow	
	WR001391-0001	Moulded cover, nozzle 3/4", black, AILE, 11B-C03-black used on A2101-11B&BP	
	WR001391-0002	Moulded cover, nozzle 3/4", yellow, AILE, 11B-C03-yellow used on A2101-11B&BP	
	WR001391-0003	Moulded cover, nozzle 3/4", gray, AILE, 11B-C03-gray used on A2101-11B&BP	
	WR001391-0004	Moulded cover, nozzle 3/4", red, AILE, 11B-C03-red used on A2101-11B&BP	
	WR001391-0005	Moulded cover, nozzle 3/4", green, AILE, 11B-C03-green used on A2101-11B&BP	
	WR001391-0006	Moulded cover, nozzle 3/4", blue, AILE, 11B-C03-blue used on A2101-11B&BP	
	WR001392-0001	Moulded cover, nozzle 3/4", black, OPW 6BBL-0400-black used on ASTRO-B	
	WR001392-0002	Moulded cover, nozzle 3/4", yellow, OPW 6BY-0900-yellow used on ASTRO-B	
	WR001392-0003	Moulded cover, nozzle 3/4", gray, OPW 6BS-0200-gray used on ASTRO-B	
	WR001392-0004	Moulded cover, nozzle 3/4", red, OPW 6BR-0300-red used on ASTRO-B	
	WR001392-0005	Moulded cover, nozzle 3/4", green, OPW 6BG-0100-green used on ASTRO-B	
	WR001392-0006	Moulded cover, nozzle 3/4", blue, OPW 6BB-0500-blue used on ASTRO-B	
	WR001393-0001	Moulded cover, nozzle 1", black, OPW 6SBB-0400-black used on 7HB	
	WR001393-0002	Moulded cover, nozzle 1", yellow, OPW 6SBY-0900-yellow used on 7HB	
	WR001393-0003	Moulded cover, nozzle 1", green, OPW 6SG-0100-green used on 7HB	

No.	Part Number	Description	Amount
	WR001394-0001	Moulded cover, nozzle 1", black, OPW 6SB-0400-black used on 7H	
	WR001394-0002	Moulded cover, nozzle 1", yellow, OPW 6SY-0900-yellow used on 7H	
	WR001394-0003	Moulded cover, nozzle 1", gray, OPW 6SB-0250-gray used on 7H	
	WR001394-0004	Moulded cover, nozzle 1", green, OPW 6SG-0100-green used on 7H	
	WR001405-0001	Moulded cover, nozzle 3/4", black, OPW 11AP-0400-black used on 11AP	
	WR001405-0002	Moulded cover, nozzle 3/4", yellow, OPW 11AP-0900-yellow used on 11AP	
	WR001405-0003	Moulded cover, nozzle 3/4", gray, OPW 11AP-0250-gray used on 11AP	
	WR001405-0004	Moulded cover, nozzle 3/4", red, OPW, insulator 11AP-0300-red used on 11AP	
	WR001405-0005	Moulded cover, nozzle 3/4", green, OPW 11AP-0100-green used on 11AP	
	WR001405-0006	Moulded cover, nozzle 3/4", blue, OPW 11AP-0500-blue used on 11AP	
	WR001405-0007	Moulded cover, nozzle 3/4", gold, OPW 11AP-0750-gold used on 11AP	
	WR001405-0008	Moulded cover, nozzle 3/4", orange, OPW 11AP-0800-orange used on 11AP	
	WR001408-0001	Moulded cover, nozzle 1 1/4", black, OPW 6ABL-5400-black used on 12VW	
	WR001408-0002	Moulded cover, nozzle 1 1/4", blue, OPW 6AB-5500-blue used on 12VW	

13.3 Splashguards

No.	Part Number	Description	Amount
	WM026471-0001	Splash guard, id=24, od=82, yellow, Elaflex	
	WM026471-0002	Splash guard, id=24, od=82, green, Elaflex	
	WM026471-0003	Splash guard, id=24, od=82, blue, Elaflex	
	WM026471-0004	Splash guard, id=24, od=82, red, Elaflex	

No.	Part Number	Description	Amount
	WM026471-0005	Splash guard, id=24, od=82, black, Elaflex	
	WM026471-0006	Splash guard, id=24, od=82, green, text UK, Elaflex	
	WM026471-0007	Splash guard, id=24, od=82, BP light blue, text NL, Elaflex	
	WM026471-0008	Splash guard, id=26, od=92, BP light blue, PL, Elaflex	
	WM026471-0009	Splash guard, id=24, od=82, BP light blue, text PT, Elaflex	
	WM026471-0010	Splash guard, id=24, od=82, BP light blue, text ES, Elaflex	
	WM026471-0011	Splash guard, id=26, od=92, BP light blue, FR, Elaflex	
	WM026471-0012	Splash guard, id=26, od=92, BP dark blue, NL, Elaflex	
	WM026471-0013	Splash guard, id=26, od=92, BP dark blue, PL, Elaflex	
	WM026471-0014	Splash guard, id=26, od=92, BP dark blue, PT, Elaflex	
	WM026471-0015	Splash guard, id=26, od=92, BP dark blue, ES, Elaflex	
	WM026471-0016	Splash guard, id=26, od=92, BP dark blue, FR, Elaflex	
	WM026471-0017	Splash guard, id=26, od=92, BP dark blue, AT, Elaflex	
	WM026471-0018	Splash guard, id=26, od=92, BP dark blue, UK, Elaflex	
	WM026471-0019	Splash guard, id=26, od=92, BP light blue, AT, Elaflex	
	WR001386-0001	Splash guard, id=20, od=113, black, OPW model 8BL-0400 black (for nozzle 3/4")	
	WR001386-0002	Splash guard, id=20, od=113, yellow-CE-ATEX, OPW model 8Y-0900 yellow-CE/ATEX (for nozzle 3/4")	
	WR001386-0003	Splash guard, id=20, od=113, yellow, OPW model 8Y-0900 yellow (for nozzle 3/4")	

No.	Part Number	Description	Amount
	WR001386-0004	Splash guard, id=20, od=113, silver, OPW model 8S-0200 silver (for nozzle 3/4")	
	WR001386-0005	Splash guard, id=20, od=113, red, OPW model 8R-0300 red (for nozzle 3/4")	
	WR001386-0006	Splash guard, id=20, od=113, green, OPW model 8G-0100 green (for nozzle 3/4")	
	WR001386-0007	Splash guard, id=20, od=113, blue, OPW model 8B-0500 blue (for nozzle 3/4")	
	WR001387-0001	Splash guard, id=32, od=113, black, OPW model 8HBL-0400 black (for nozzle 1")	
	WR001387-0002	Splash guard, id=32, od=113, black-CE-ATEX, OPW model 8BL-0400 black CE/ATEX (for nozzle 1")	
	WR001387-0003	Splash guard, id=32, od=113, yellow, OPW model 8HY-0900 yellow (for nozzle 1")	
	WR001387-0004	Splash guard, id=32, od=113, yellow-CE-ATEX, OPW model 8HY-0900 yellow CE/ATEX (for nozzle 1")	
	WR001387-0005	Splash guard, id=32, od=113, silver, OPW guard model 8HBL-0250 silver (for nozzle 1")	
	WR001387-0006	Splash guard, id=32, od=113, red, OPW model 8HBL-0300 red (for nozzle 1")	
	WR001387-0007	Splash guard, id=32, od=113, green, OPW model 8HG-0100 green (for nozzle 1")	
	WR001387-0008	Splash guard, id=32, od=113, blue, OPW model 8HBL-0500 blue (for nozzle 1")	
	WR001388-0001	Splash guard, id=21, od=107, black, AILE, (nozzle 3/4"): 11A / 11AP / 11B / 11BP / 13A / 13AP	
	WR001388-0002	Splash guard, id=21, od=107, yellow, AILE, (nozzle 3/4"): 11A / 11AP / 11B / 11BP / 13A / 13AP	
	WR001388-0003	Splash guard, id=21, od=107, silver, AILE, (nozzle 3/4"): 11A / 11AP / 11B / 11BP / 13A / 13AP	

No.	Part Number	Description	Amount
	WR001388-0004	Splash guard, id=21, od=107, red, AILE, (nozzle 3/4"): 11A / 11AP / 11B / 11BP / 13A / 13AP	
	WR001388-0005	Splash guard, id=21, od=107, green, AILE, (nozzle 3/4"): 11A / 11AP / 11B / 11BP / 13A / 13AP	
	WR001388-0006	Splash guard, id=21, od=107, blue, AILE, (nozzle 3/4"): 11A / 11AP / 11B / 11BP / 13A / 13AP	

13.4 Hose

See also "Bayonet coupling" page 328.

No.	Part Number	Description	Amount
		Goodyear hoses 3.02m	
	WR001572-0001	- ID=16mm, black	
	WR001571-0001	- ID=19mm, black	
	WR001605-0001	- ID=25mm, black	
		Goodyear hoses 3.65m	
	WR001446-0001	- ID=16mm, black	
	WR001441-0001	- ID=19mm, black	
	WR001604-0001	- ID=25mm, black	
		Goodyear hoses 4.30 m	
	WR001574-0001	- ID=16mm, black	
	WR001573-0001	- ID=19mm, black	
	WR001602-0001	- ID=25mm, black	
		Goodyear hoses 4.90m	
	WR001450-0001	- ID=16mm, black	
	WR001444-0001	- ID=19mm, black	
	WR001601-0001	- ID=25mm, balck	
		Goodyear hoses 9.00m	
	WR001576-0001	- ID=16mm, black	
	WR001575-0001	- ID=19mm, black	
		IRPCO hoses 3.02m	

No.	Part Number	Description	Amount
	WR001596-0001	- ID=19mm, black	
	WR001606-0001	- ID=25mm, black	
		IRPCO hoses 4.30m	
	WR001598-0001	- ID=19mm, black	
	WR001603-0001	- ID=25mm, black	
		IRPCO hoses 4.90m	
	WR001600-0001	- ID=19mm, black	
	WR001437-0001	- ID=25mm, black	
		Elaflex hoses 3.02m (non LT)	
	WM046775-0001	- Non LT SL 16mm, male THD, R1" BSP - 3/4"	
	WM046777-0001	- Non LT SL 21mm, male THD, R1" BSP - 1"	
	WM046779-0001	- VR Non LT 21mm, M34x1,5 - M34x1,5	
		Elaflex hoses 3.50m (non LT)	
	WM046775-0016	- Non LT SL 16mm, male THD, R1" BSP - 3/4"	
	WM046777-0016	- Non LT SL 21mm, male THD, R1" BSP - 1"	
	WM046779-0009	- VR Non LT 21mm, M34x1,5 - M34x1,5	
		Elaflex hoses 4.30m (non LT)	
	WM046775-0004	- Non LT SL 16mm, male THD, R1" BSP - 3/4"	
	WM046777-0004	- Non LT SL 21mm, male THD, R1" BSP - 1"	
	WM046779-0003	- VR Non LT 21mm, M34x1,5 - M34x1,5	
		Elaflex hoses 4.90m (non LT)	
	WM046775-0007	- Non LT SL 16mm, MALE THD, R1" BSP - 3/4"	
	WM046777-0007	- Non LT SL 21mm, MALE THD, R1" BSP - 3/4"	
	WM046779-0005	- VR Non LT 21mm, M34x1,5 - M34x1,5	
		Elaflex hoses 9.00m (non LT)	

No.	Part Number	Description	Amount
	WM046775-0013	- Non LT SL 16mm, male THD, R1" BSP - 3/4"	
	WM046777-0013	- Non LT SL 21mm, male THD, R1" BSP - 1"	
		Elaflex low temp hoses 3.02m	
	WM046775-0002	- LT SL 16 mm, male THD, R1" BSP - 3/4"	
	WM046777-0002	- LT SL 21 mm, male THD, R1" BSP - 1"	
	WM046779-0002	- VR LT 21mm, M34x1,5 - M34x1,5	
		Elaflex low temp hoses 4.30m	
	WM046775-0005	- LT SL 16 mm, male THD, R1" BSP - 3/4"	
	WM046777-0005	- LT SL 21 mm, MALE THD, R1" BSP - 1"	
	WM046779-0004	- VR LT 21mm, M34x1,5 - M34x1,5	
		Elaflex low temp hoses 4.90m	
	WM046775-0008	- LT SL 16 mm, male THD, R1" BSP - 3/4"	
	WM046777-0008	- LT SL 21 mm, male THD, R1" BSP - 3/4"	
	WM046779-0006	- VR LT 21mm, M34x1,5 - M34x1,5, 4,90 m	
		Elaflex low temp hoses 7.00m	
	WM046775-0011	- LT SL 16 mm, male THD, R1" BSP - 3/4"	
	WM046777-0011	- LT SL 21 mm, MALE THD, R1" BSP - 1"	
		Elaflex low temp hoses 9.00m	
	WM046775-0014	- LT SL 16 mm, male THD, R1" BSP - 3/4"	
	WM046777-0014	- LT SL 21 mm, MALE THD, R1" BSP - 1"	
		Elaflex biodiesel hoses 3.02m (non LT)	
	WM046775-0003	- Non LT SL 16mm Biodiesel, male THD, R1" BSP - 3/4"	
	WM046777-0003	- Non LT SL 21mm Biodiesel, male THD, R1" BSP - 1"	
		Elaflex biodiesel hoses 4.30m (non LT)	
	WM046775-0006	- Non LT SL 16mm Biodiesel, male THD, R1" BSP - 3/4"	
	WM046777-0006	- Non LT SL 21mm Biodiesel, male THD, R1" BSP - 1"	

No.	Part Number	Description	Amount
		Elaflex biodiesel hoses 4.90m (non LT)	
	WM046775-0009	- Non LT SL 16mm Biodiesel, male THD, R1" BSP - 3/4"	
	WM046777-0009	- Non LT SL 21mm Biodiesel, male THD, R1" BSP - 3/4"	
		Elaflex biodiesel hoses 7.00m (non LT)	
	WM046775-0012	- Non LT SL 16mm Biodiesel, male THD, R1" BSP - 3/4"	
	WM046777-0012	- Non LT SL 21mm Biodiesel, male THD, R1" BSP - 1"	
		Elaflex biodiesel hoses 9.00m (non LT)	
	WM046775-0015	- Non LT SL 16mm Biodiesel, male THD, R1" BSP - 3/4"	
	WM046777-0015	- Non LT SL 21mm Biodiesel, male THD, R1" BSP - 1"	
		Elaflex DEF hoses	
	WM061818-0001	- DEF ID=16, L=4,9 m, black, with stainless fitting	
	WM061818-0002	- DEF DEF ID=16, L=4,3 m, black, with stainless fitting	
	WR001440-0001	ID=19mm, l=3.5m, black	
	WR001442-0001	ID=19mm, l=4m, black	
	WR001443-0001	ID=19mm, l=4.5m, black	
	WR001445-0001	ID=16mm, l=3.5m, black	
	WR001447-0001	ID=16mm, l=4m, black	
	WR001449-0001	ID=16mm, l=4.5m, black	

13.5 Hose sleeve

13.5.1 Hose sleeve for 16mm hose

No.	Part Number	Description	Amount
	WM007104-0001	Cover moulded, black	
	WM007104-0002	Cover moulded, blue	
	WM007104-0008	Cover moulded, BP dark blue	

13 Hanging hardware

No.	Part Number	Description	Amount
	WM007104-0009	Cover moulded, BP light blue	
	WM007104-0004	Cover moulded, green	
	WM007104-0011	Cover moulded, light green	
	WM007104-0012	Cover moulded, grey	
	WM007104-0006	Cover moulded, orange	
	WM007104-0003	Cover moulded, red	
	WM007104-0007	Cover moulded, white	
	WM007104-0005	Cover moulded, yellow	
	WM007104-0011	Cover moulded, light yellow	

13.5.2 Hose sleeve for 21mm hose

No.	Part Number	Description	Amount
	WM007545-0003	Cover moulded, black	
	WM007545-0001	Cover moulded, blue	
	WM007545-0008	Cover moulded, BP dark blue	
	WM007545-0009	Cover moulded, BP light blue	
	WM007545-0005	Cover moulded, green	
	WM007545-0010	Cover moulded, light green	
	WM007545-0012	Cover moulded, grey	
	WM007545-0006	Cover moulded, orange	
	WM007545-0004	Cover moulded, red	
	WM007545-0007	Cover moulded, white	
	WM007545-0002	Cover moulded, yellow	
	WM007545-0011	Cover moulded, light yellow	

13.6 Break-away, sight glass etc

No.	Part Number	Description	Amount
	WM002348	Sight glass	
	WM0055866	Break-away LT with swivelF	
	WM002058	Coupling straight male M42x1.5. female M32x1.5	

No.	Part Number	Description	Amount
	WM002024	Break-away with swivel	
	WM061001	Break-away with swivel (South Africa, viton O-ring)	
	WM055865	Swivel LT	
	WM002015	Swivel	
	WM061004	Swivel (South Africa, viton O-ring)	
	WM002068	Break-away male THD M34x1.5 female THD 34x1.5	
	WM002030	Sight glass VR	
	WM009013	Break-away and swivel, diesel	
	WM061006	Break-away and swivel, diesel (South Africa, viton O-ring)	
	WM003048	Swivel, Male 42x1.5. female 1"	
	WM061007	Swivel, Male 42x1.5. female 1" (South Africa, viton O-ring)	
	WM045080	Break-away and swivel, diesel Australia	
	WM038270	Break-away with swivel as marked	
	WM041849	Break-away male THD M34x1.5 female THD 34x1.5 as marked	
	WR001415	Break-away, female M34, female M34	
	WR001416-0001	Swivel, with break-away, male 3/4", female 3/4"	
	WR001417-0001	Break-away, female 1"NPT, female 1"NPT	
	WR001417-0002	Break-away, female 3/4"NPT, female 3/4"NPT	
	WR001418	Break-away, female 1"NPT, female 1"NPT	
	WR001419	Break-away, female 3/4"NPT, female 3/4"NPT	
	WR001398-0001	Swivel, male 3/4NPT, female 3/4NPT	
	WR001398-0002	Swivel, male 1NPT, female 1NPT	
	WR001399-0001	Swivel, male 3/4NPT, female 3/4NPT	
	WR001400-0001	Swivel, male 1NPT, female 1NPT, plane of rotation 45°	

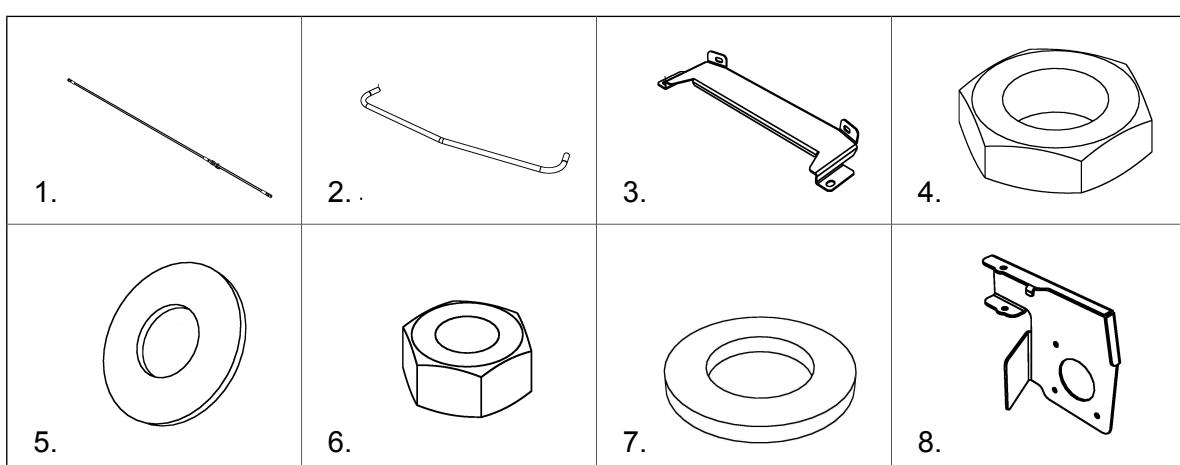
13 Hanging hardware

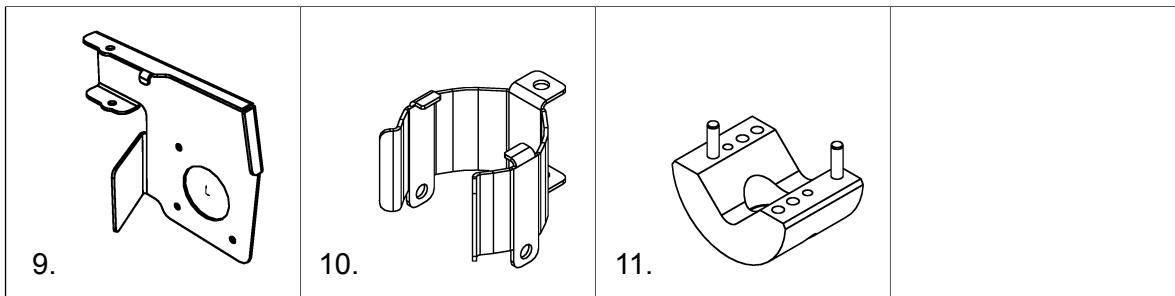
No.	Part Number	Description	Amount
	WR001403-0001	Sight glass, male 3/4NPT, female 3/4NPT, without filter	
	WR001404-0001	Sight glass, male 3/4NPT, female 3/4NPT, with Helix	
	WR001404-0002	Sight, male 1NPT, female 1NPT, with Helix glass	
		Check valve, safety pressure peak (option)	
	WM008731	- Hose, 1" NPT	
	WM008731-0001	- Hose, 3/4" NPT	

13.7 Hose, LPG

No.	Part Number	Description	Amount
		LPG hose 3,35m	
1	WM004691	- ID=16, right threaded (only for Gasguard)	
2	WM004691-0007	- ID=16, left threaded	
		LPG hose 4,3m	
3	WM004691-0010	- ID=16, right threaded (only for Gasguard)	
4	WM004691-0011	- ID=16, left threaded	
5	WM021821-0004	- With break-away elaflex ARK 19. ID=16. L=5,1m	

13.8 Reusable break ARK 19 - Helix 1000 LPG

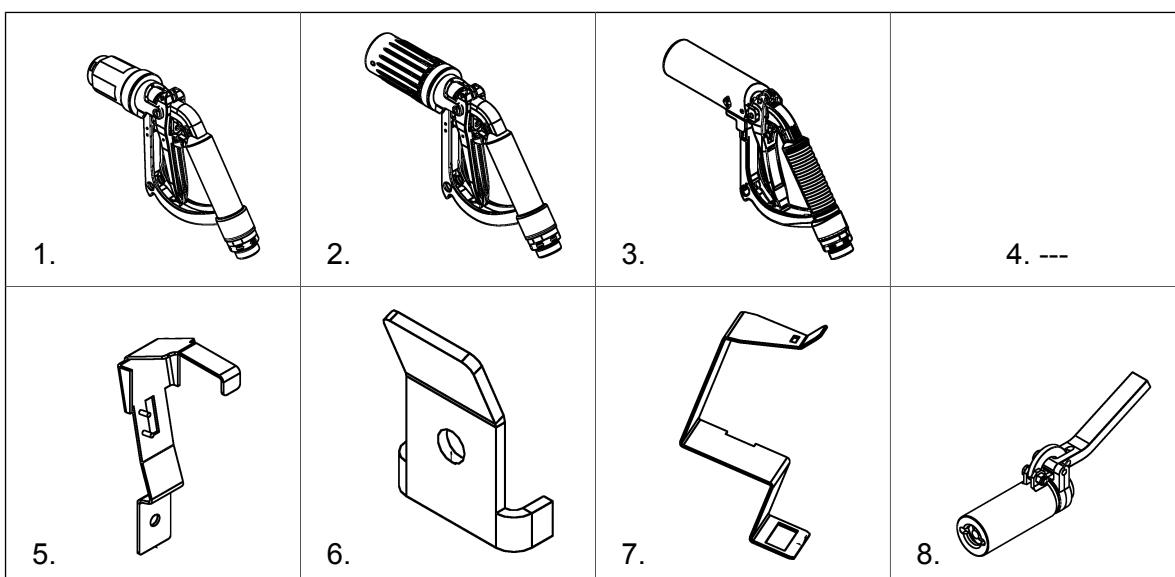




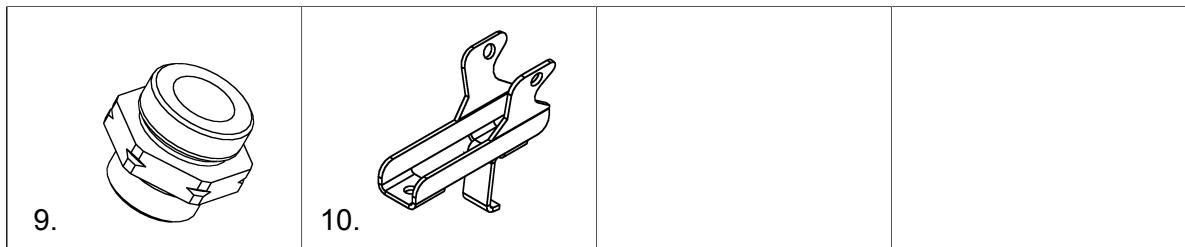
No.	Part Number	Description	Amount
1	WM021821-0004	Hose, LPG with break-away ark 19.5, ID=16, L=5,1m	2/1
2	WM059422	Support U-shape breakaway	2/1
3	WM059421	Support, box shape breakaway	2/1
4	WM059428-0001	Nut, M8, thin, stainless steel	4/2
5	WM007664	Washer, plain, ID=8,2 OD=18 T=1	4/2
6	WB000228-0004	Nut, M8	4/2
7	WB000232-0004	Washer, plain, M8, ID=8.4, OD=16, T=1.6	4/2
8	WM061803	Support	2/1
9	WM062207-F050	Support hose clamp, grey	2/1
10	WM061872	Support, box shape hose clamp	2/1
11	WM041859	Clamp for 13-16 mm hose with nuts	4/2

Quantity per pump (double sided/single sided)

13.9 Nozzle, gasguard - LPG



13 Hanging hardware

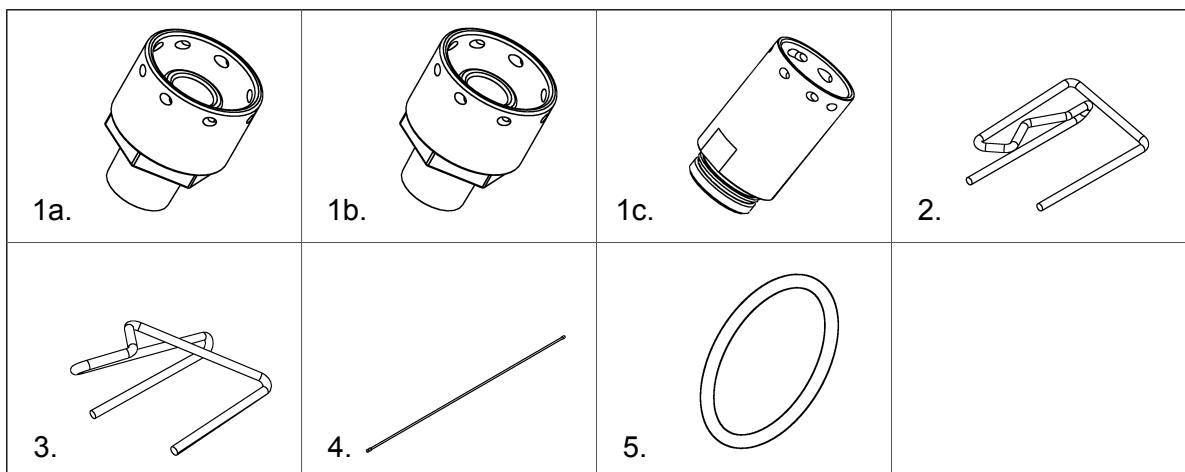


No.	Part Number	Description	Amount
1	WM029761-0001	Nozzle, LPG ZVG2 DISH connection	
2	WM029761-0002	Nozzle, LPG ZVG2 ACME connection	
3	WM029761-0005	Nozzle, LPG Elaflex, ZVG2, EURO	
4	WM042719-0002	Nozzle, LPG gasguard	
5	WM044558	LPG, gasguard, adapter plate, switch	
6	WM044575	LPG, gasguard adapter plate, nozzle	
7	WM045425	LPG, gasguard, adapter plate, long thread	
8	WE000594	Nozzle, LPG Boessenkool	
9	WM042869	Coupling straight 3/4 NPT MALE - 1,5X30 lefthandtreaded male	
10	WM043920	Boessenkool adpter plate LPG	

13.10 Nozzle lock - Padlock

No.	Part Number	Description	Amount
1	WM003189	Padlock	
		Pin	
2	WM032132-0001	- 1 nozzle, l = 103 mm	

13.11 Bayonet coupling

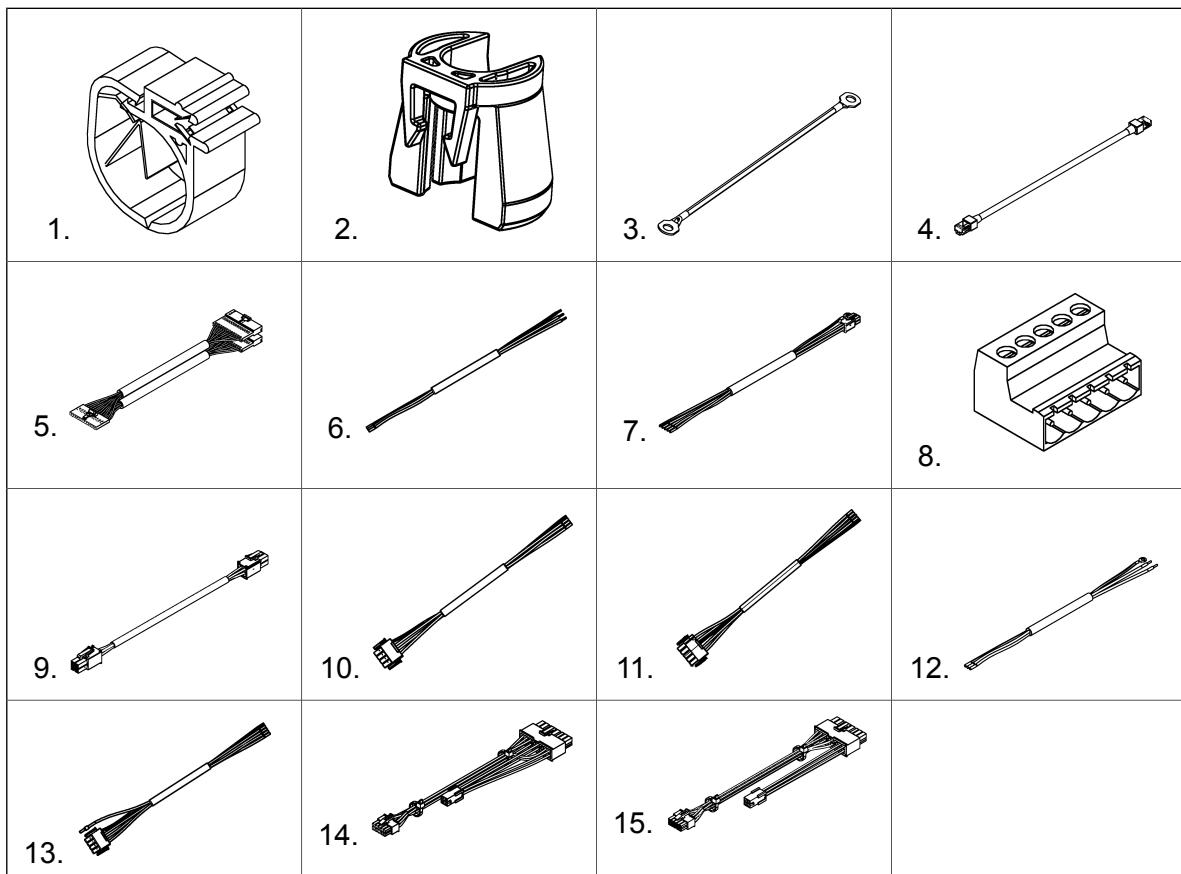


No.	Part Number	Description	Amount
		Coupling, straight Elaflex hose	
1a	WM051877-0001	- 16mm, no VR	
1b	WM051877-0002	- 21mm, no VR	
1c	WM051912	- VR	
2	WM051911	Lock pin wire dia=3,2mm	
3	WM051893	Lock pin wire dia=3,2mm	
4		Hose, bayonet coupling	
	WM032867-0001	- Id=16, l=4,32m, no VR	
	WM032867-0002	- Id=16, l=4,32m, LT, no VR	
	WM032867-0003	- Id=16, l=4,32m, biodiesel, no VR	
	WM032869-0001	- Id=21, l=4,32m, no VR	
	WM032869-0002	- Id=21, l=4,32m, LT, no VR	
	WM032869-0003	- Id=21, l=4,32m, biodiesel, no VR	
5		O-ring	
	WM044244-0001	- No VR, t=4.2, di=23	
	WM053701	- VR	

14 Cables

See also drawing WM048976.

14.1 Misc.

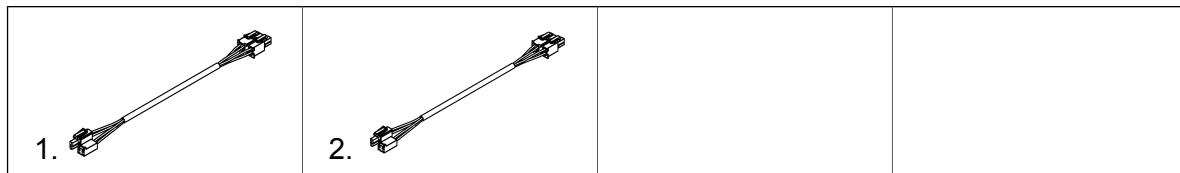


No.	Part Number	Description	Amount
1	WM031974	Plastic fastener EC27	
2	WM049022	Cover	
3	WM003933-0001	Cable single wire, 1x0.75 GN/YE, l=150, Grounding cable for SPM (all PT configs) and S/V display (10.4" config.)	
4	WM049795-0003	Etherline CAT5e, l=1800, For UPD in LEE, both with and without PT and also SPM to iX when PT (config. with 2 iX boards, i e 5.7" color or 10.4" display).	
5	WM050160-0001	Cable multi 2 pc 12x0.25 l=200, 200 (IEC) (only use when have IPB and preset (non- ADA) at the same time)	
6	WM008892-0003	Cable high voltage 3G1.5 zone l=1300	

No.	Part Number	Description	Amount
7	WM026331-0001	Cable 5G0.75 zone l=2500	
8	WM053691	Connector, cable, terminal block 5 socket	
9	WM019845-0002	Cable 4x0.34, l=1200, Used either with check valves (an option for Vapor Gate, which is a VR option) or with Wayne VAC	
10	WM031127-0001	Cable, H05VV5-F4G2.5 L=1800 (power 400V)	
11	WM025845-0001	Cable high voltage 5G1.5 zone L=1800 (power 230 V)	
12	WM006828-0004	Cable high voltage 3G1.5 zone L=1600	
13	WM055994-0001	Cable high voltage 5G2.5 zone L=2000	
14	WU013068-0001	Cable, nozzle switch converter to iGem, Mexico, HS	
15	WU013064-0001	Cable, nozzle switch converter to iGem, Mexico	

14.2 Annunciator/buzzer/beeper for PT

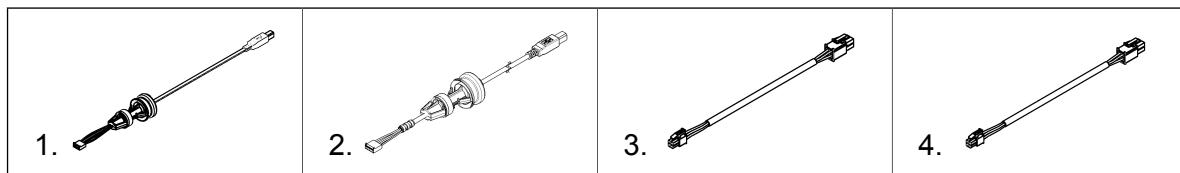
Annunciator/buzzer/beeper for PT, see page 113.

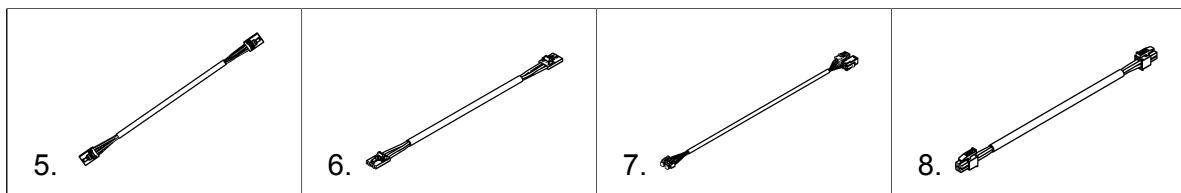


No.	Part Number	Description	Amount
1	WM040568-0001	Cable 4x0.34, l=600, (UL), only monochrome 5.7" display	1
2	WM048852-0001	Cable 4x0.34, l=600, (IEC)	1

14.3 ATC

ATC, see page 254.

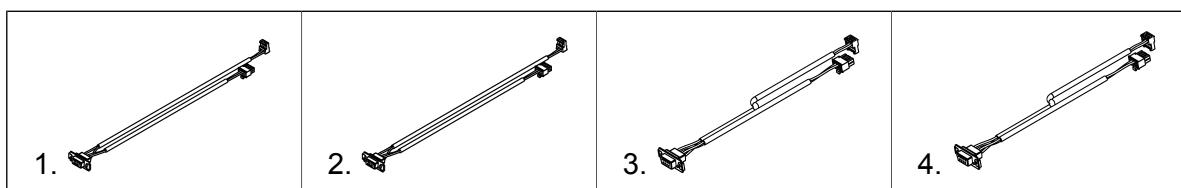




No.	Part Number	Description	Amount
1	WM042343-0001	Moulded vapor barrier grommet and cable, l=650 (UL)	1
2	WM044872-0001	Moulded vapor barrier grommet and cable, l=650 (IEC)	1
3	WM042321-0001	Cable 4x0.34 L=400, iGEM to TTL/CAN conv.board (UL)	1
4	WM048859-0001	Cable 4x0.34 L=400, iGEM to TTL/CAN conv.board (IEC)	1
5	WM040866-0001	Cable 4x0.34 L=1100, TTL/CAN conv.board to ISB (UL)	1
6	WM048858-0001	Cable 4x0.34 L=1100, TTL/CAN conv.board to ISB (IEC)	1
7	WU008819-0001	Cable assembly, CAN bus, iGEM to TTL/CAN converter, l=400 (UL)	1
8	WM022505-0001	CABLE, 4x0.34 L=150 (Only needed together with push button (Helix 6000 columns))	1

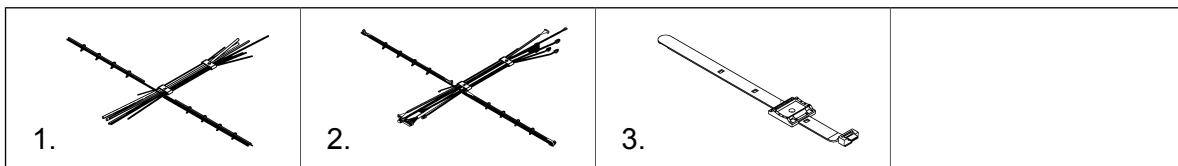
14.4 Barcode scanner

Barcode scanner, see page 91.



No.	Part Number	Description	Amount
1	WM049322-0001	Cable multi, l=750, iX to scanner and SPM when 10.4" display (IEC)	1
2	WM049322-0002	Cable multi, l=750, iX to scanner and SPM when 5.7" display color (IEC)	1
3	WU008898-0001	Cable, RS-232/24V, iX to Scanner and SPM when 5.7" display monochrome + SPM (UL)	1
4	WU008898-0002	Cable, RS-232/24V, iX to Scanner when 5.7" display monochrome only (UL)	1

14.5 Cable harness (LEE to EH)



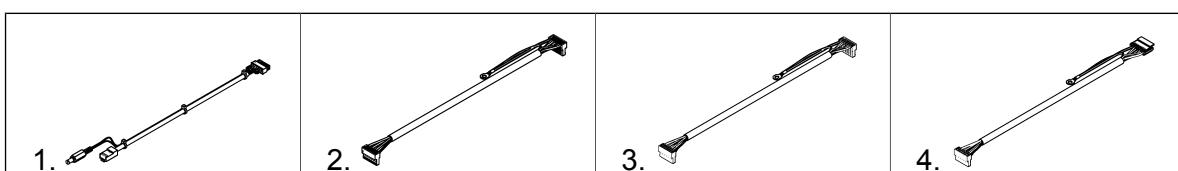
No.	Part Number	Description	Amount
		Cable harness	
1	WM043007	- UL	1
2	WM043088	- IEC	1
3	WU008226-0001	Harness clamp for rail	4

14.6 Cables unique for Helix 6000, 55-55

No.	Part Number	Description	Amount
1	WM002450	Intrinsic safe barrier	
2	WM048878-0002	Cable flat, round jacketed 16-position 1.27-pitch L=300	
3	WM056742-0001	Cable multi, 6x0.5 BK L=200 (Between nozzle board and expansion board)	
4	WM019845-0002	Cable, 4x0.34 L=1200 (remote)	
5	WM002590	Connector, cable, mini UMNL, 8 pin (2x4)	
6	WM054523-0001	Cable flat, round jacketed 16-position 1.27-pitch L=1000 (Only when no push button and/or SMS)	
7	WM056771-0001	Cable multi, 2 pc 2x0.5 L=1000 , 2 pc 1x0.5 GR/YE L=200 (Between 5th motor and expansion board)	

14.7 Card reader

Card readers, see page 84.

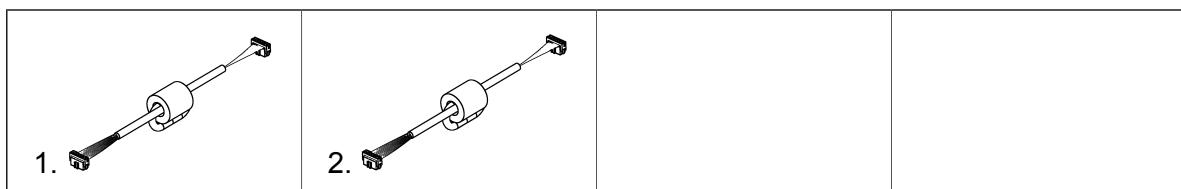


No.	Part Number	Description	Amount
1	WU001091-0001	Cable multi SPM, to Sankyo card reader, RS232 WU001002-0001	1

No.	Part Number	Description	Amount
2	WM040280-0001	Cable multi 6x0.34, l=600, Only for card reader WU003908-0001, UL cable version	1
3	WM048842-0001	Cable multi 6x0.34, l=600, Only for card reader WU003908-0001 - IEC cable version	1
4	WU008412-0001	Cable, SPM, Only for card reader WU008412-0001, UL cable version, non ADA	1

14.8 Citizen (UL only)

Citizen printer, see page 97.



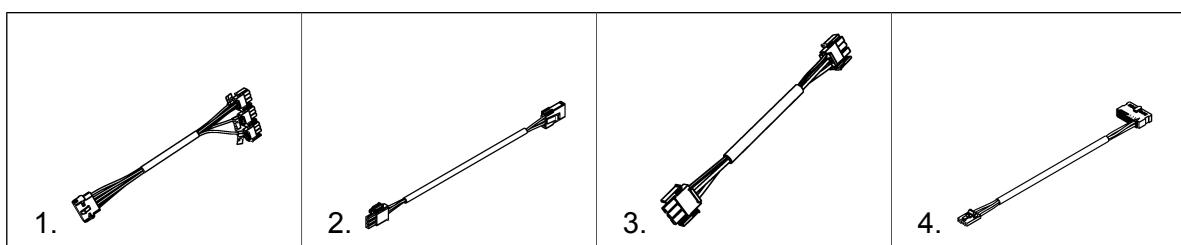
No.	Part Number	Description	Amount
1	WM040220-0001	Cable round jacketed 10-position, l= 700, Printer data with SPM.	1
2	WM040220-0002	Cable, ix board to citizen printer, l=2500, Printer data when no SPM.	1

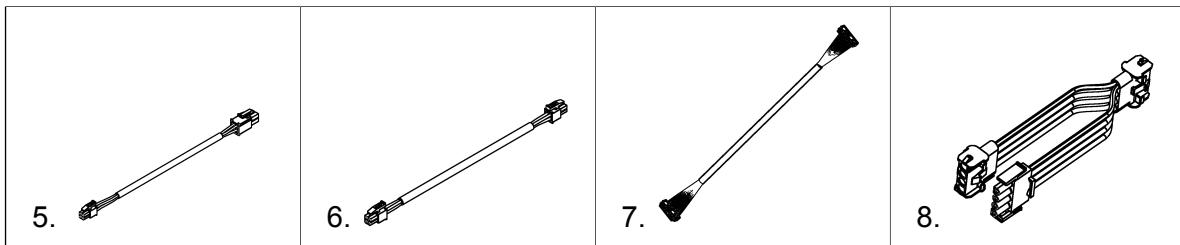
14.9 Connection board, Helix 1000, remote

No.	Part Number	Description	Amount
1	WM025759-0002	Cable, 8x0.34 L=400	1
2	WM025766-0001	Cable, 10x0.34 L=250	1
3	WM002587	Connector, cable, mini UMNL, 16 pin (2x8)	1
4	WM003347	Connector, cable, mini UMNL, 20 pin (2x10)	1

14.10 DEF/AdBlue (B2B combo)

DEF/AdBlue (B2B combo), see page 77.

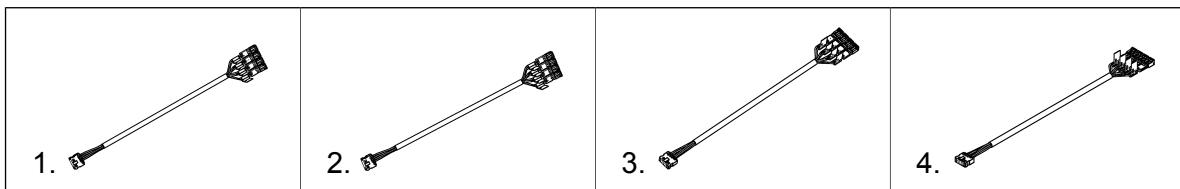




No.	Part Number	Description	Amount
1	WM060262-0001	Cable high voltage, 5G1.5 zone L=1200	
2	WM060245-0001	Cable, 3x0.5 L=1000	
3	WM060250-0001	Cable high voltage, 3G1.5 zone L=1200	
4	WM060284-0001	Cable, 4x0.34 L=250	
5	WM048859-0001	Cable, 4x0.34 L=400	
6	WM022505-0002	Cable, 4x0.34 L=400	
7	WM048878-0001	Cable flat, round jacketed 16-position 1.27-pitch L=1000	
8	WM037852-0001	Cable multi 4g1.5 zone L=5500, 3x1.5 bk, 1x1.5 gr/ye L=150	

14.11 EMT

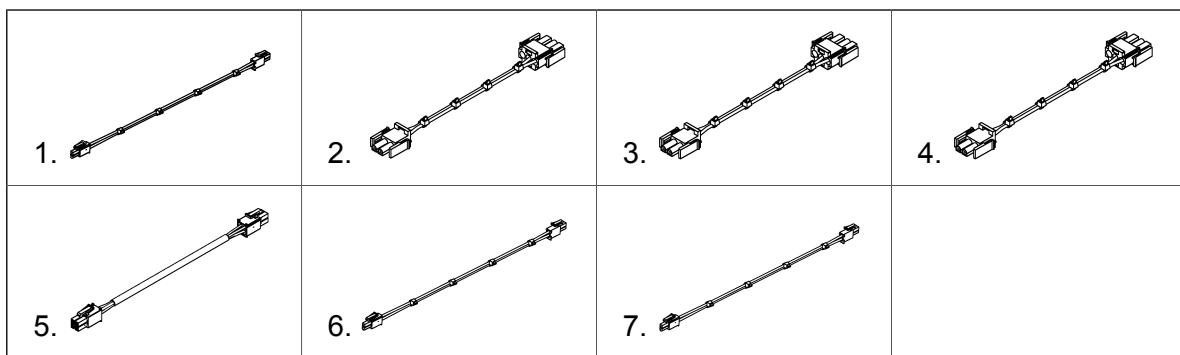
EMT, see page 109.



No.	Part Number	Description	Amount
1	WM045337-0001	Cable 8x0.34 l=1750, EMT to iGem when EMT in LEE (UL)	1
2	WM045337-0002	Cable, igem to EMTs, l=200, EMT to iGem when EMT in EH (UL)	1
3	WM048862-0001	Cable 8x0.34 l=1750, EMT to iGem when EMT in LEE (IEC)	1
4	WM048862-0002	Cable 8x0.34 l=250, EMT to iGem when EMT in EH (IEC)	1

14.12 Heater

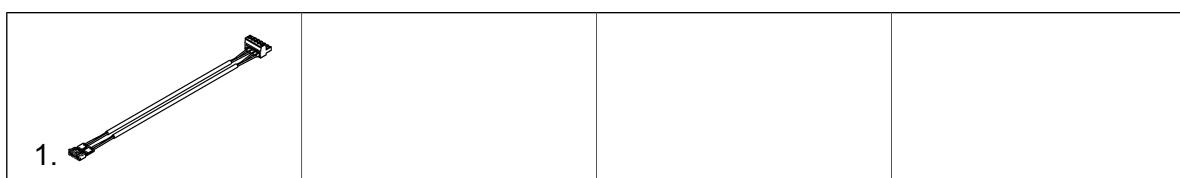
Heater see page 122.



No.	Part Number	Description	Amount
1	WM023796-0005	Cable multi, I=700, 24V power to heater (IEC) (PT)	1
2	WM044536-0001	Cable multi, I=400, AC power to heater 230V (UL)	1
3	WM048860-0001	Cable multi, I=400, AC power to heater 230V (IEC) (PT)	1
4	WM048860-0002	Cable multi, I=600, AC power to heater 230V (IEC) (no PT)	1
5	WM019845-0002	Cable 4x0.34, I=1200, Used either with check valves (an option for Vapor Gate, which is a VR option) or with Wayne VAC	1
6	WU008645-0002	Cable 24VDC power, I=700, power to heater (UL)	1
7	WM023796-0001	Cable multi, 1x0.5 RD, I=1000, 24V, Power to heater when no PT (IEC) or Power to Ethernet switch	

14.13 iButton/Dallas key

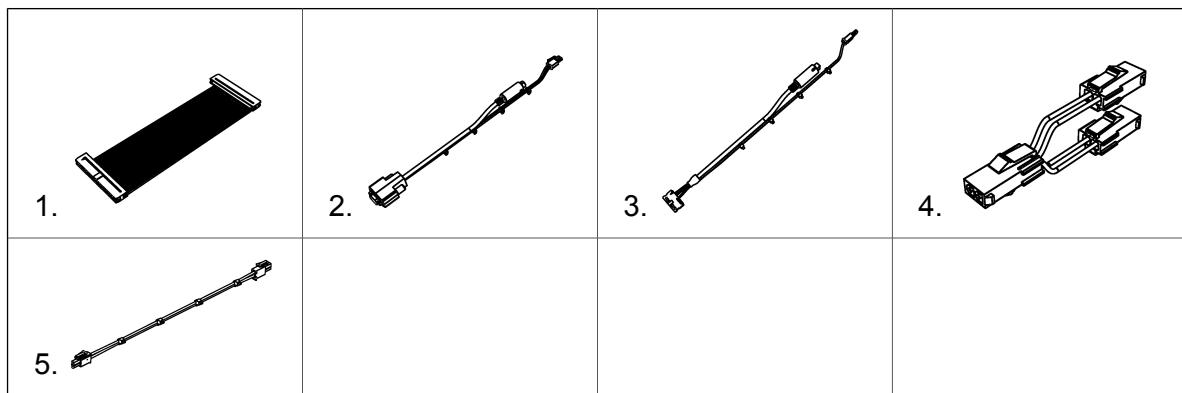
iButton/Dallas key, see page 93.



No.	Part Number	Description	Amount
1	WM053793-0001	Cable, 2x0.5 I=2300	1

14.14 iGem printer

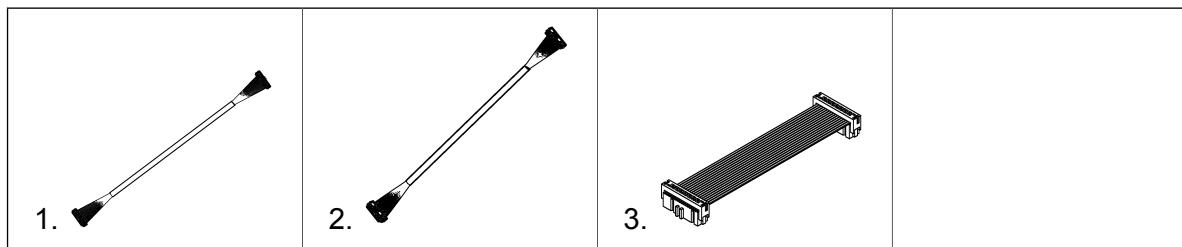
iGem Printer see page 136.



No.	Part Number	Description	Amount
1	WR002000-0001	Cable multi, 1x0,5 rd, 1x0,5 bk, 6x24 AWG-thermal printer	
2	WR001891-0001	Cable multi, 1x0,5 rd, 1x0,5 bk, 6x24 AWG-thermal printer	
3	WR001892-0001	Cable multi, 1x0,5 rd, 1x0,5 bk, 6x24 AWG-thermal printer	
4	WM049912-0001	Cable multi, 1x0.34 rd L=100, 100 1x0.34 bk L=100, 100	
5	WM023796-0006	Cable multi, 1x0.5 RD L=1400, 1x0.5 bk L=1400	

14.15 ISB

ISB, see page 65.



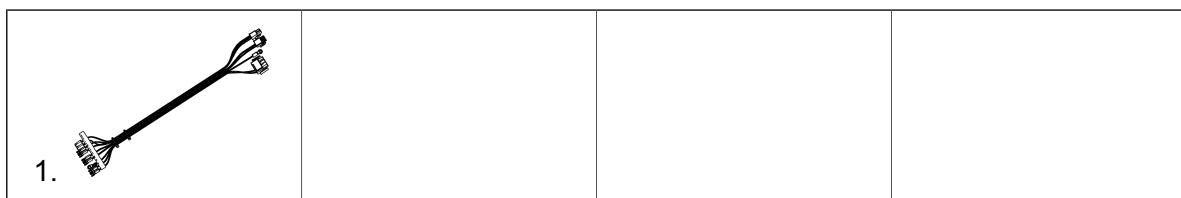
No.	Part Number	Description	Amount
1		Cable round jacketed 16-position l=300 for 2nd ISB	
2	WM040216-0002	- UL	1 *1
3	WM048878-0002	- IEC	1 *1
4	WM003861-0002	Cable flat, 16-position, l=400	1

*1 Only needed if 2 ISB:s (cable between them).

14.16 Junction box

14.16.1 Junction box UL

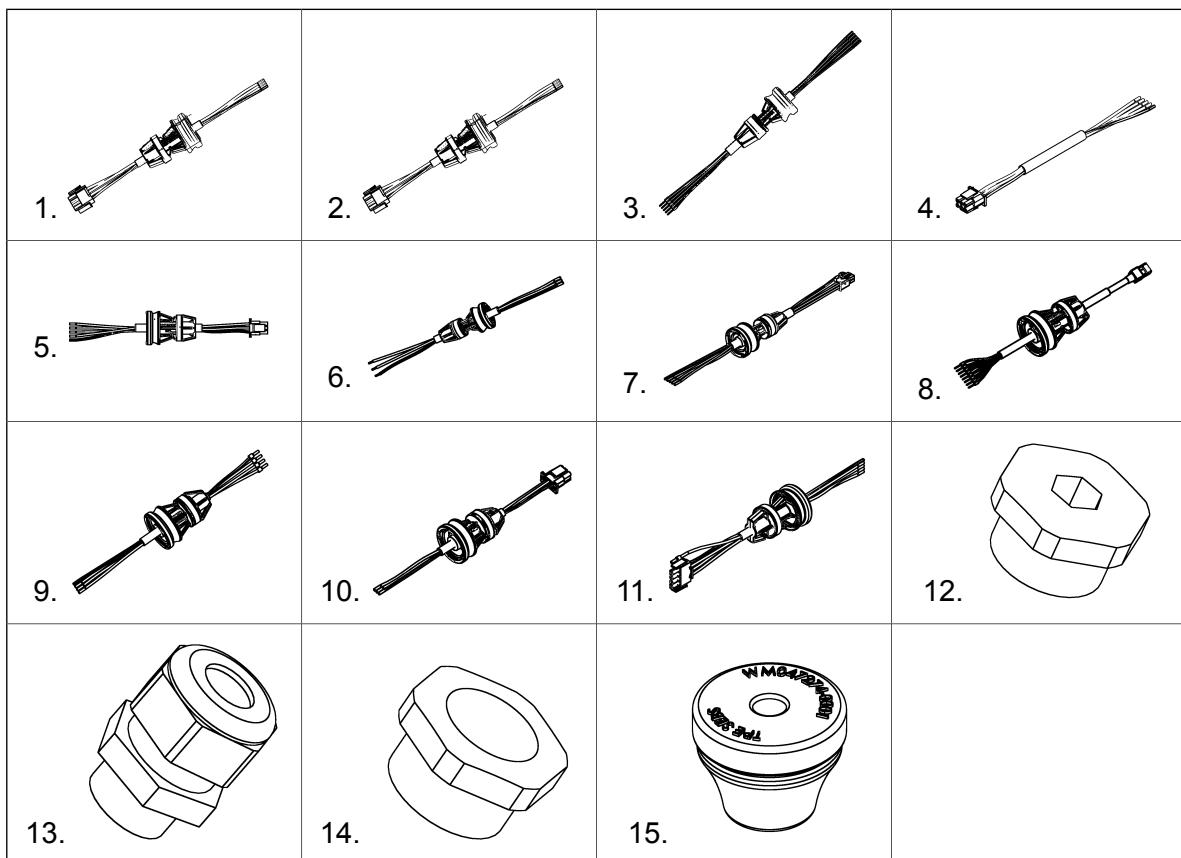
Junction box UL, see page 245.



No.	Part Number	Description	Amount
1	WM045755-0001	Cable multi junction box to connection board, suction pump, l=760	1

14.16.2 Junction box IEC

Junction box IEC, see page 247.



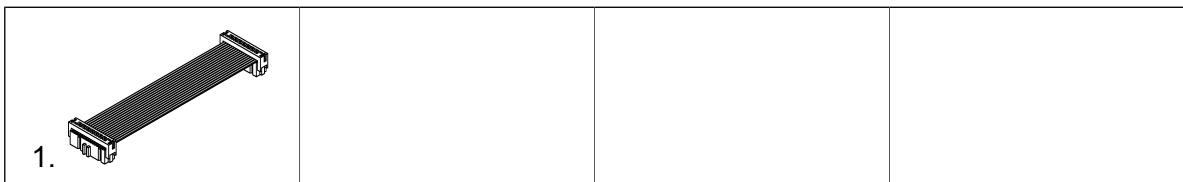
No.	Part Number	Description	Amount
1	WM045736-0001	Moulded vapor barrier grommet and cable, 4G2.5, l=750, (400V power)	1
2	WM045734-0001	Moulded vapor barrier grommet and cable, 5G1.5, l=700 (230V power)	1

No.	Part Number	Description	Amount
3	WM045732-0001	Moulded vapor barrier grommet and cable, 4G2.5, l=750 (data)	1
4	WM025912-0001	Cable high voltage, 5G1.5, zone l=1800 (dispenser relay)	1
5	WM045878-0001	Moulded vapor barrier grommet and cable 5G1.5 l=1000 (large)	1
6	WM045742-0001	Moulded vapor barrier grommet and cable 3G1.5 l=1300 (small)	1
7	WM050062-0001	Moulded vapor barrier grommet and cable 5G0.75 L=2500 (small)	1
8	WM047051-0001	Moulded vapor barrier gromet and cable etherline CAT5e (small)	1
9	WM056812-0001	Moulded vapor barrier grommet and cable 4G2.5 l=1200 (Only used for Helix 6000 55-55, suction)	1
10	WM056849-0001	Moulded vapor barrier grommet and cable 3G1.5 l=1000 (Only used for Helix 6000 55-55, remote)	1
11	WM056011-0001	Moulded vapour barrier grommet and cable 5G2.5 l=1100	1
12		Grommet blind	
	WM001591	- M20	
	WM003241	- M25	1, 2, 3
13		Grommet	
	WM029991	- M16, dia 5-10 mm	
	WM029992	- M20, dia 7-12 mm	1, 2, 3
	WM007739	- M20 hummel dia 7-12 mm	1
	WM029998	- M20, dia 10-14 mm	2
	WM003257	- M25 dia 13-18 mm	
14	WM017027	Grommet reducer M20 male-M16 female	
15		Sealing VET	
	WM047274-0001	- Diameter=21, cable diameter 7-12	2
	WM047274-0002	- Diameter=27, cable diameter=7-12	2
	WM047276-0001	- Diameter=35, cable diameter=13-19	2

No.	Part Number	Description	Amount
	WM047276-0002	- Diameter=40, cable diameter=13-19	2

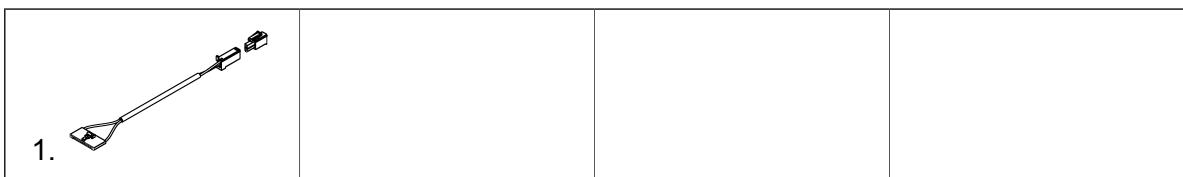
14.17 LED-Com

LED-Com, see page 120.



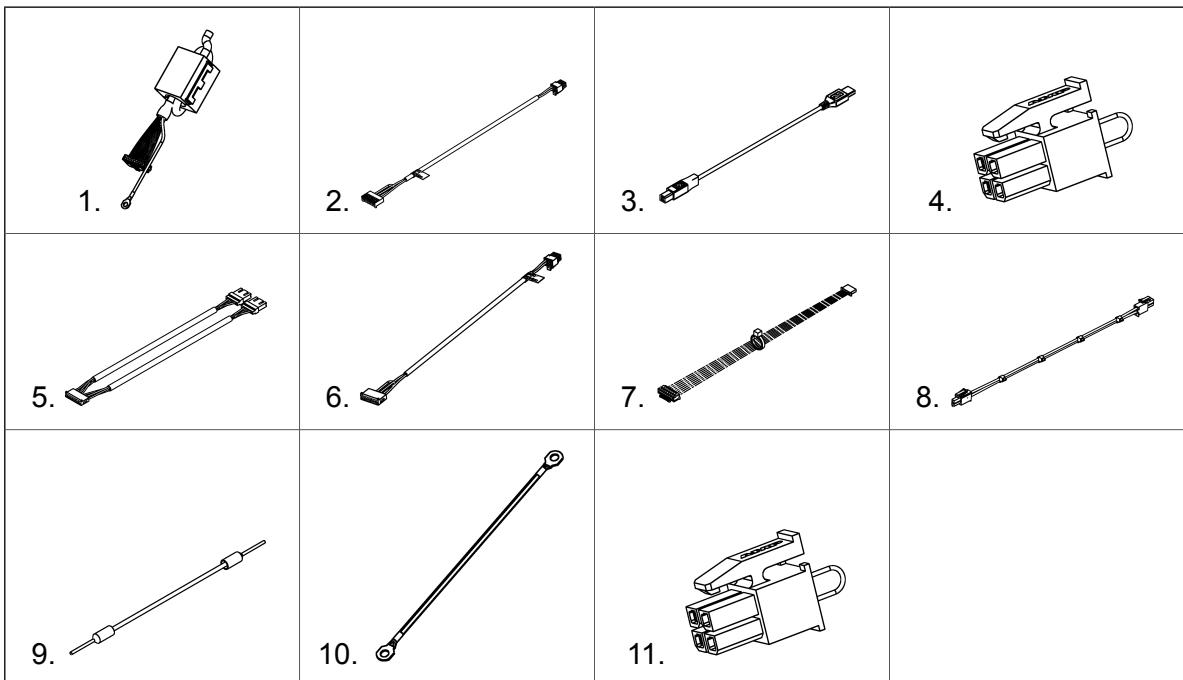
No.	Part Number	Description	Amount
1	WM003861-0002	Cable flat, 16-position, l=400 for LED-Com (IEC)	1

14.18 LPG



No.	Part Number	Description	Amount
1	WM058228-0001	Cable, 2x0.34 l=200, LPG push button	2

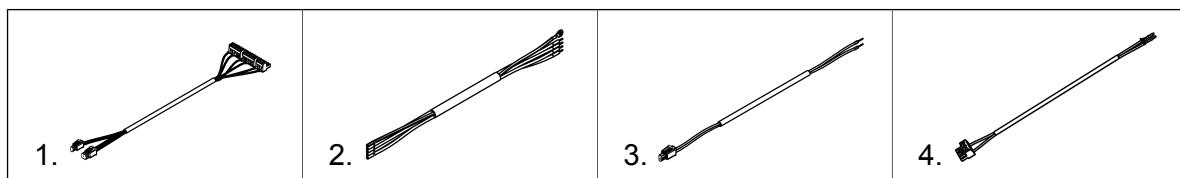
14.19 Media Display



No.	Part Number	Description	Amount
		5.7" Media display (monochrome)	
1	WM040238-0001	Cable round SC, Jacketed 16-position l=1800	1
		5.7" Media display (color)	
2	WM043672-0001	Cable multi 2x0.34, l=400, iX board to TFT interface board, LED drive.	1
3	WM024585-0003	Cable, USB type A male - type B male L=500	1
4	WM036450	Cable single wire 1x0.34 BK L=50	2
		10.4" Media display	
5	WM048853-0001	Cable multi 5x0.34, l=300 for Soft keys (IEC), from soft keys (10.4") to iX board	1
6	WM043677-0001	Cable multi 2x0.34, l=400, (IEC), LED driver board to iX board	1
7	WU002745-0001	Cable multi LED backlight (IEC), data to LED driver board	1
8	WM023796-0004	Cable multi, 1x0.5 l=300, (IEC), TFT board to S/V display (24V)	1
9	WM053737-0001	Cable single wire, 1x0.5 wh L=50	1
10	WM053133-0002	Cable single wire 1x0.75 gn/ye L=150	1
11	WM036450	Cable single wire 1x0.34 bk L=50	1

14.20 MUX

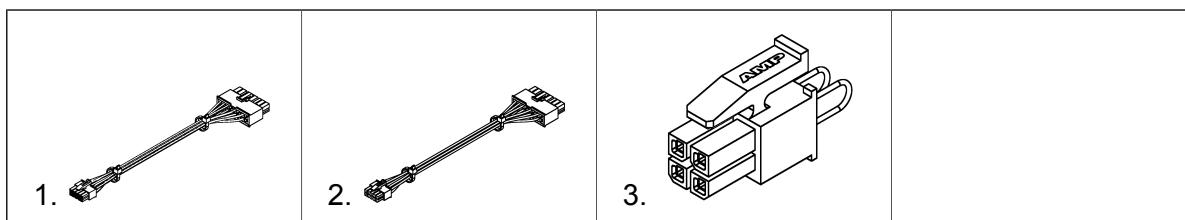
MUX see page 123.



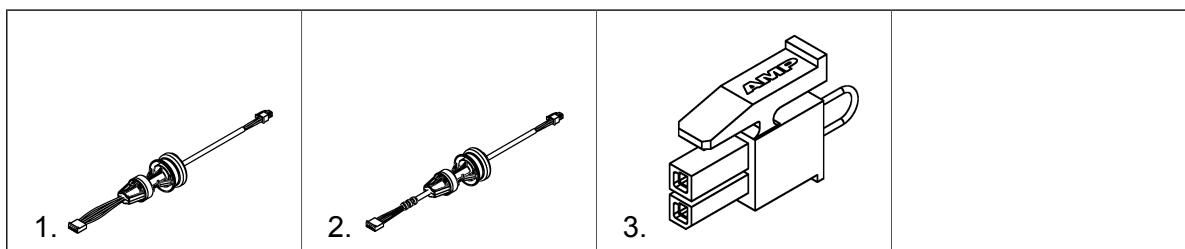
No.	Part Number	Description	Amount
1	WM051769-0001	Cable, 6x0.5	1
2	WM053751-0001	Cable 5x0.75 zone L=2500	1
3	WM036349-0001	Cable 2x0.5 L=500	1
4	WM055903-0001	Cable multi 1x0.5 RD L=400, 1x0.5 BK L=400	1

14.21 Nozzle converter

Nozzle converter see page 77.



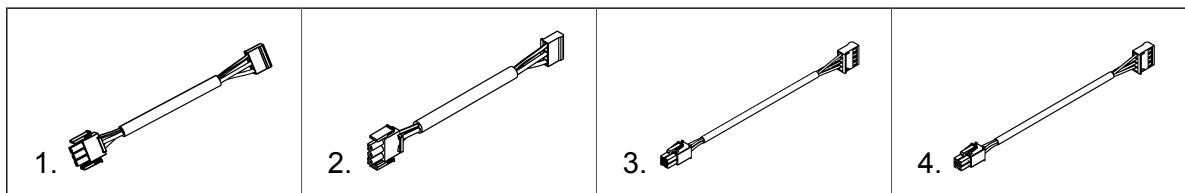
No.	Part Number	Description	Amount
		Cable 10x0.34 l=200 nozzle switches	
1	WM040747-0001	- UL	
2	WM048857-0001	- IEC	
3	WM054209	Cable single wire, 2 pc 1x0.34 bk	

14.22 Nozzle switch

No.	Part Number	Description	Amount
1	WM040992-0001	Moulded vapor barrier grommet and cable, l=650 (UL)	1
2	WM044870-0001	Moulded vapor barrier grommet and cable, l=650 (IEC)	1
3	WM054223	Cable 1x0.34 bk l=50	4

14.23 Power supply

Power supply, see page 65.



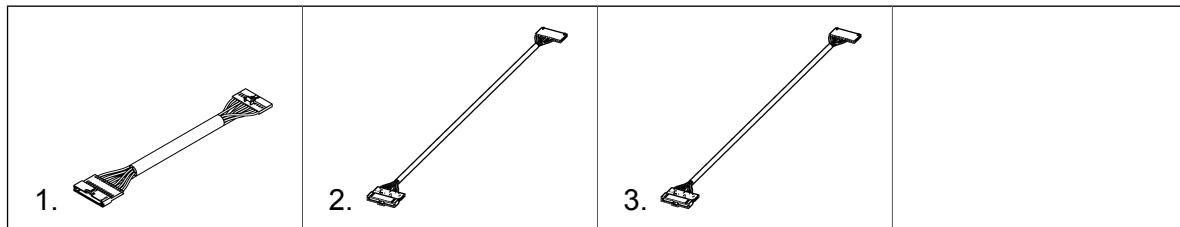
No.	Part Number	Description	Amount
1	WM040286-0001	Cable high voltage 3G1.0 zone l=350, AC power (UL)	1 *1

No.	Part Number	Description	Amount
2	WM048848-0001	Cable high voltage 3G1.0 zone l=350, AC power (IEC)	1 *1
3	WM040297-0001	Cable 4x0.5 l=400, DC power (UL)	1 *1
4	WM048849-0001	Cable 4x0.5 l=400, DC power (IEC)	1 *1
5	WM053648-0001	Cable multi 2 pc 2x0.5 L=600, 400 (power supply - iGEM)	1
6	WM025811-0001	Cable multi 1x0.75 BU, 1x0.75 BN, 1x0.75 gr/ye L=300 (230V)	1
7	WM025811-0003	Cable multi 1x0.75 BU, 1x0.75 BN, 1x0.75 gr/ye L=400 (230 V)	1

*1 One extra power supply needed if more than one iX board.

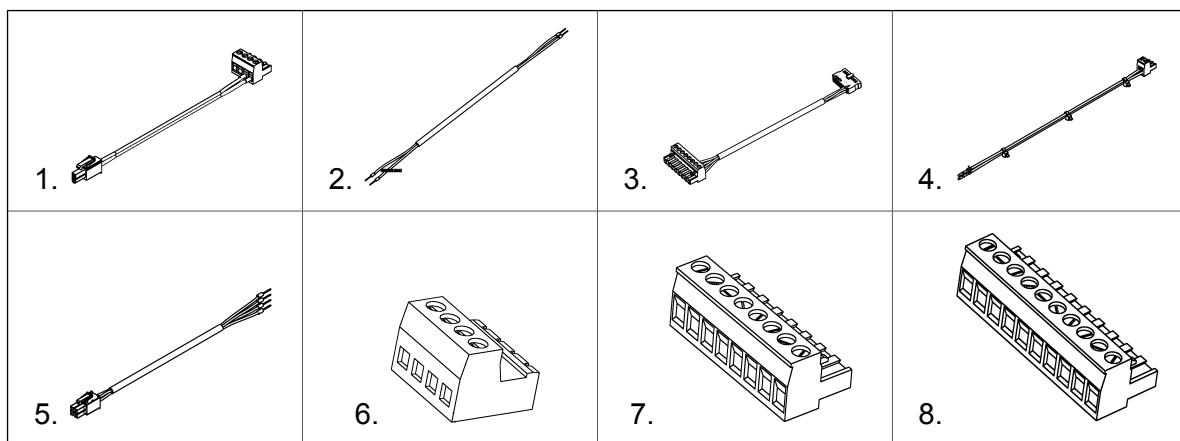
14.24 Preset

Preeset keypad, see page 79.



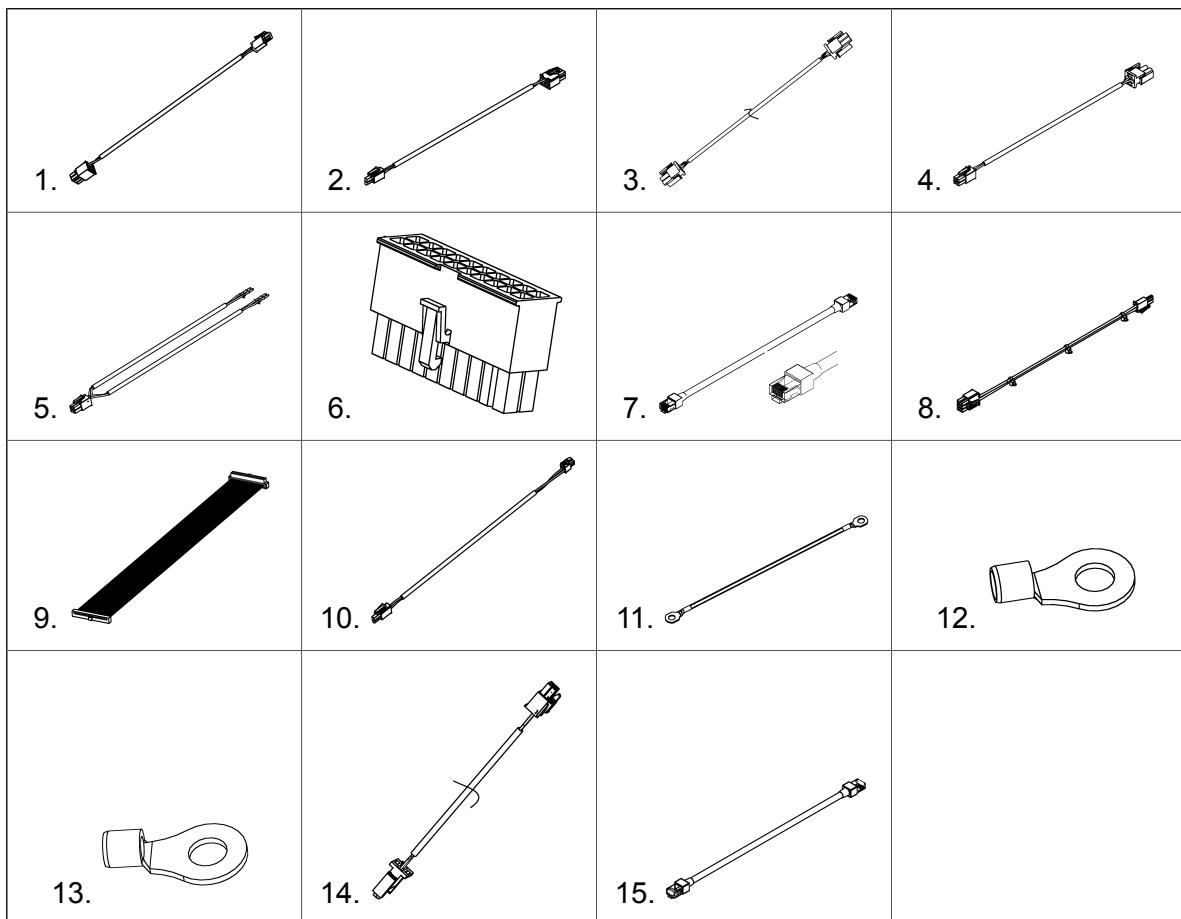
No.	Part Number	Description	Amount
1	WM047436-0001	Cable 12x0,34, l=500	1
2	WU007486-0001	Cable, preset with payment terminal, l=1800mm, (UL)	1
3	WU007486-0002	Cable, preset, l=800mm, (UL)	1

14.25 Protocol board cables



No.	Part Number	Description	Amount
1	WM048975-0001	Cable multi 1x0.5 br l=150, 1x0.5 wh l=150 (UKCL, USCL)	1
2	WM010634-0001	Cable 2x0.5 zone l=250 (IFSF LON)	1
3	WM003736-0002	Cable 4x0.34 l=500 (ATCL)	1
4	WM035206-0001	Cable multi 1x0.5 rd l=280, 1x0.5 bk l=280 (ATCL)	1
5	WM006833-0005	Cable 4x0.5 l=900 (SINP/NPCL)	1
6	WT002215	Connector, cable, terminal block 4 socket (1x4) (USCL)	1
7	WM001043	Connector, cable, terminal block 8 socket (1x8)	1
8	WT002458	Connector, cable, terminal block 10 pin (1x10)	1

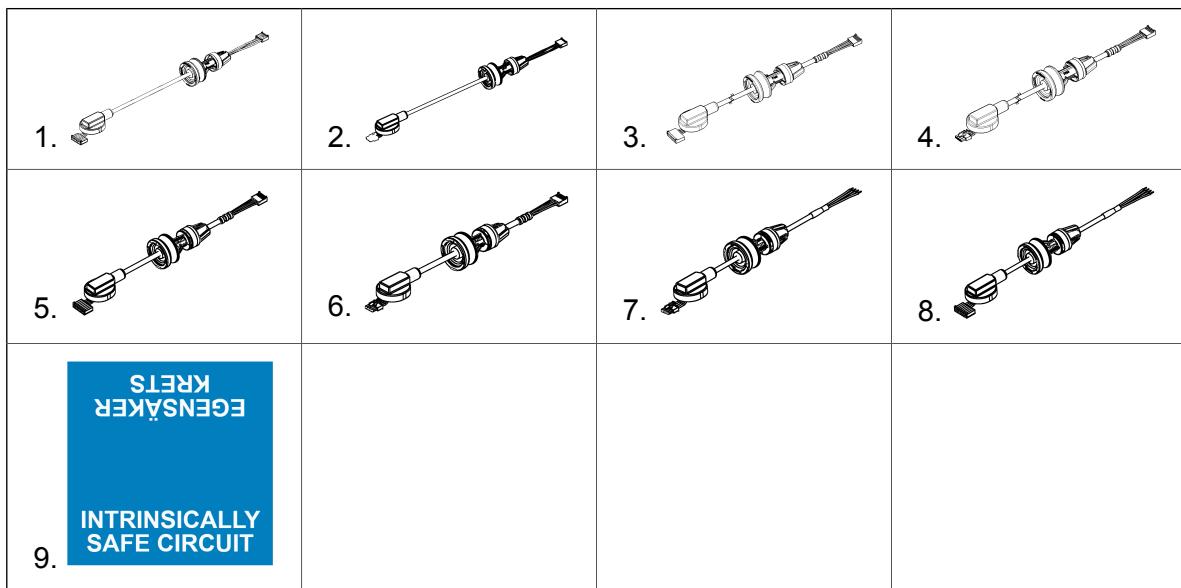
14.26 PT and media



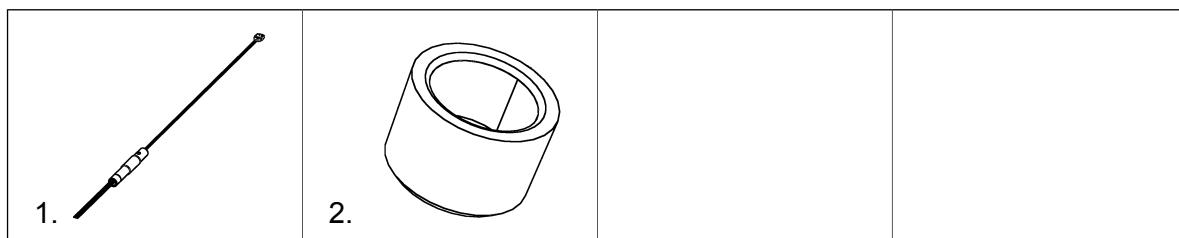
No.	Part Number	Description	Amount
1	WM040490-0001	Cable 2x0.75, l=600, from connection board to iX board 5.7" mono displ. (UL)	1
2	WM048851-0001	Cable 2x0.75, l=600, from connection board to iX board (IEC)	1
3	WM040913-0001	Cable 2x0.34, l=600 for RS485 from iX to Connection board (UL)	1
4	WM048875-0002	Cable 2x0.5, l=1800 for RS485 from iX to Connection board (IEC)	1
5	WM023176-0003	Cable multi 2x0.34, l=1500 (IEC), from iGEM to TFT board (goes from both A and B side)	1
6	WM003347	Connector, cable, mini UMNL, 20 pin (2x10) (IEC) Conneter for TFT cable (WM023176-0001)	1
7	WM040870-0001	Cable etherline, CAT5e, l=1000, from iX board to Ethernet switch for monochrom 5.7" displ.	1
8	WM020667-0003	Cable multi 1x0.5, l=500, (IEC), TFT (24V) to iX board	1
9	WM021228-0001	Cable flat, 34 PIN, l=300, (IEC) Flat cable 10.4": display to iX board. 5.7": TFT board to iX board	1
10	WM023148-0001	Cable 2x0.34, l=400, (IEC), TFT board to iX board, CAN interface	1
11	WM048861-0002	Cable single wire, l=1050, grounding of PT bezel (IEC)	1
12	WM045328-0002	Cable single wire, 4mm ring terminals, l=1050, grounding of PT bezel (UL)	1
13	WM045328-0003	Cable single wire, 4mm ring terminals, l=200, grounding of printers (UL)	1
14	WU007882-0001	Cable, RS485, to iX board payment without Wayne Connect (UL)	1
15	WM049795-0001	Cable etherline CAT5e L=1000 (IEC) Cable from Ethernet board to iX board when Media	1

14.27 Pulser

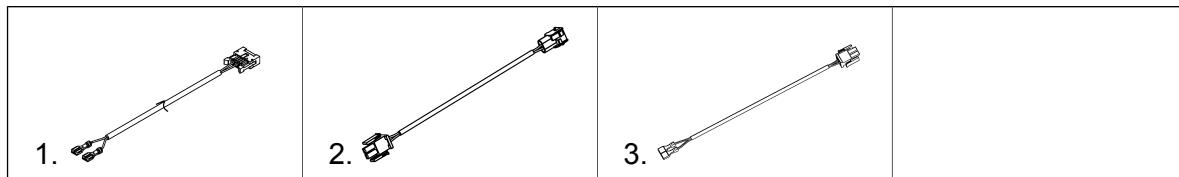
Pulser, see page 223.



No.	Part Number	Description	Amount
1	WM040834-0001	Moulded vapor barrier grommet and cable, I=950 (WIP, UL)	1
2	WM040996-0001	Moulded vapor barrier grommet and cable, I=950 (xWIP, UL)	1
3	WM044873-0001	Moulded vapor barrier grommet and cable, I=950 (WIP, IEC)	1
4	WM044871-0001	Moulded vapor barrier grommet and cable, I=950 (xWIP, IEC)	1
5	WM044873-0002	Moulded vapour barrier grommet and cable I=1500 (WIP, IEC)	1
6	WM044871-0002	Moulded vapour barrier grommet and cable I=1500 (xWIP, IEC)	1
7	WM056561-0001	Moulded vapour barrier grommet and cable I=2500 (WIP, IEC) (only for Helix 6000 55-55)	1
8	WM056564-0001	Moulded vapour barrier grommet and cable I=2500 (xWIP, IEC) (only for Helix 6000 55-55)	1
9	WE000886	Instruction label intrinsically safe circuit	1

14.28 Satellite parts

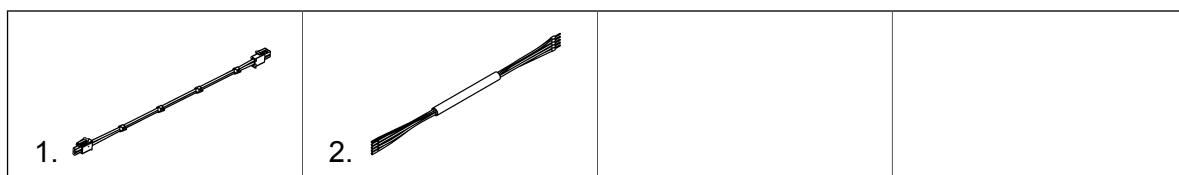
No.	Part Number	Description	Amount
1	WU010675-0001	Intrinsically safe barrier for SAT nozzle switch	
2	WT009038-0001	Conduit reducing bushing, 3/4nptm to 1/2nptf	

14.29 Single push-buttons

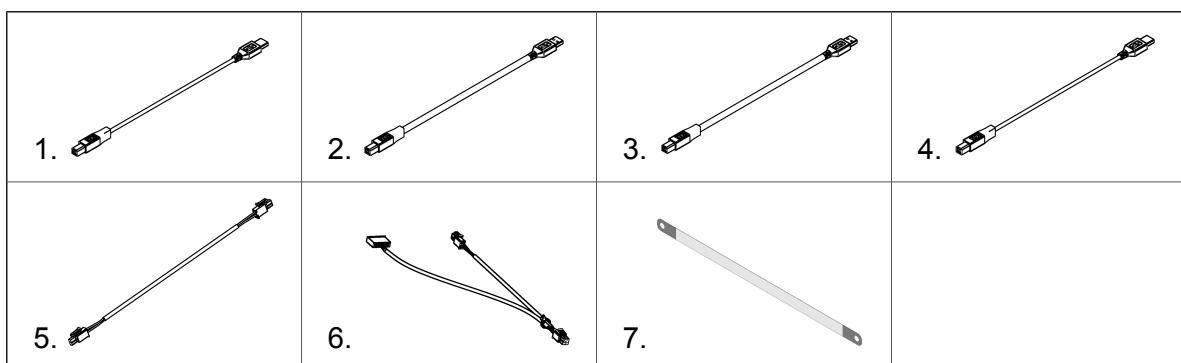
No.	Part Number	Description	Amount
1	WU007675-0001	Cable, stop button-sv display, cable from stop button to S/V display (via PT harness)	1
2	WU008413-0001	Cable, LEE harness to call button board, I=2000, cable for intercom call button (via PT harness)	1
3	WU008414-0001	Cable, call button to call button board, I=300, cable for intercom call button to board	1

14.30 Speaker Intercom

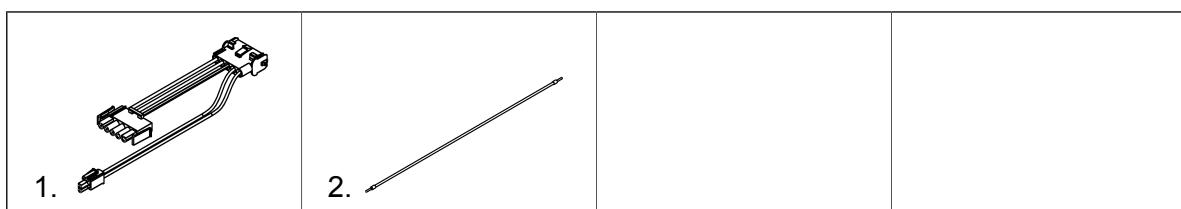
Speaker Intercom see page 109.



No.	Part Number	Description	Amount
1	WU008645-0001	Cable, 24VDC power, I=500	1
2	WM025854-0003	Cable, H05VV5-F 5G0.75 L=1500	1

14.31 SPM

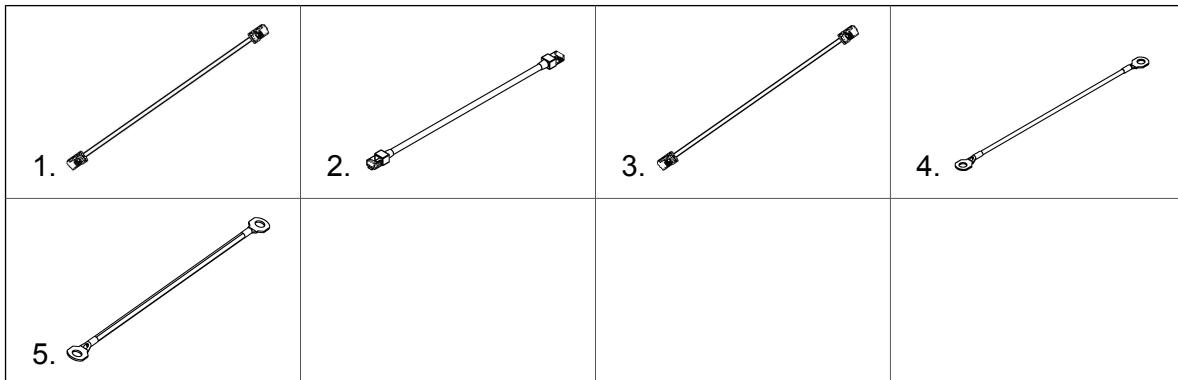
No.	Part Number	Description	Amount
1	WM024585-0002	Cable USB type A male - type B male, l=700, iX to SPM, 5.7" display. Only for QVGA (IEC).	1
2	WU008808-0002	Cable, USB type A male - type B male, l=200, 5.7" color display. Only for color QVGA (UL).	1
3	WU008808-0004	Cable, USB type A male - type B male, l=2000, 5.7" monochrome display. Only for monochrome QVGA (UL).	1
4	WM024585-0004	Cable USB type A male - type B male, l=2000, iX to SPM, 10.4" display. Only for VGA (IEC).	1
5	WM036758-0002	Cable from connection board to SPM (24V), Power to SPM (IEC)	1
6	WU007487-0001	Cable multi, 24V, Connector Board-SPM/Citizen Printer, mono 5.7" display. Only for Citizen printer and 5.7" monochrome display (UL).	1
7	WU008870-0001	Cable, ground strap, Grounding cable for SPM, UL only.	1

14.32 Switchable motor

Switchable motor, see page 124.

No.	Part Number	Description	Amount
1	WM055951-0001	Cable, l=100	1
2	WM052730-0001	Cable single wire 1x1.5 bk l=100	1

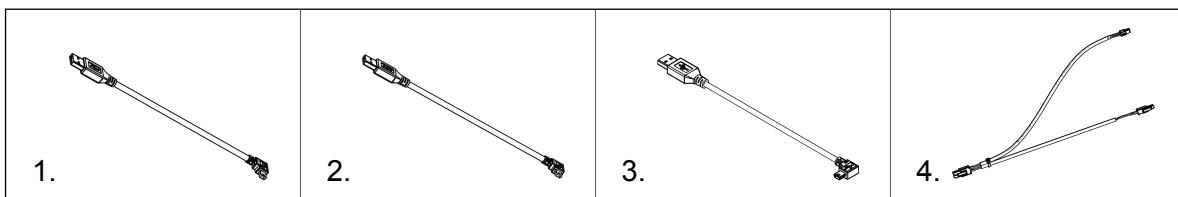
14.33 UPD in EH

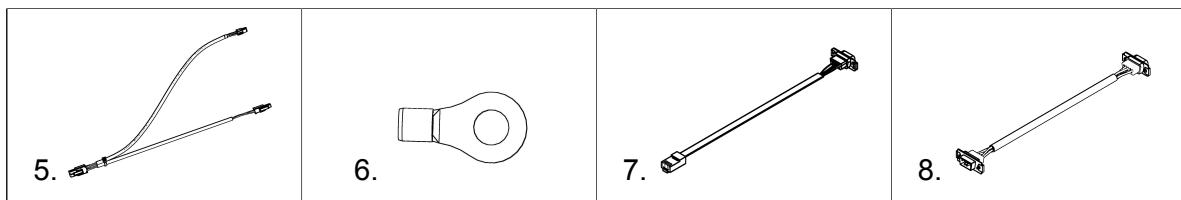


No.	Part Number	Description	Amount
1	WM040870-0008	Cable, etherline CAT5e l=500 for display data/power. Only for EH placement of UPD. (UL)	1
2	WM049795-0008	Cable, etherline CAT5e l=500 for display data/power. Only for EH placement of UPD. (IEC)	1
3	WM040870-0003	Cable, etherline CAT5e l=1800, display data/power. Only for LEE placement of UPD (UL)	1
4	WM030107-0001	Cable single wire, 1x0.75 BK L=800 (IEC), grounding for UPD board	1
5	WM003933-0002	One per UPD board, only when payment and UPDs are down in LEE	1

14.34 Zebra printer

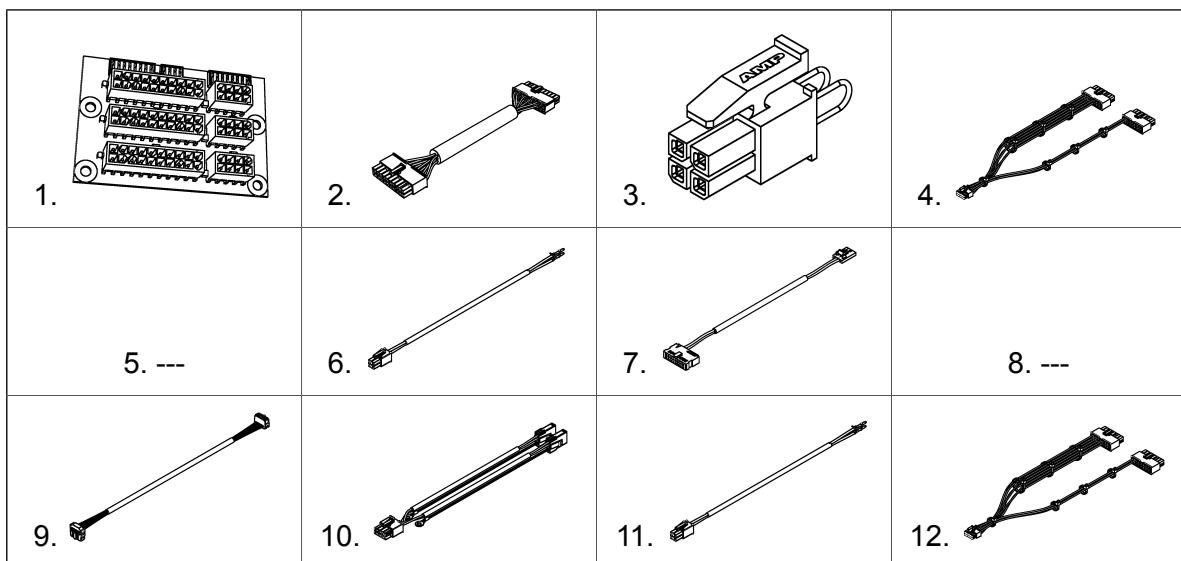
Zebra printer, see page 94.

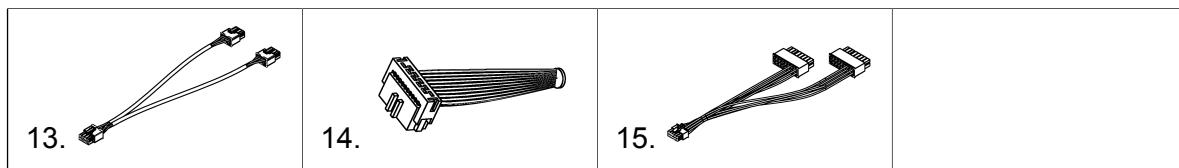




No.	Part Number	Description	Amount
1	WM042821-0002	Cable USB type A male - mini B right angle male, l=700, Only with color QVGA (5.7" display) (UL)	1
2	WM042821-0001	Cable USB type A male - mini B right angle male, l=2500, Only with monochrome 5.7" display (UL)	1
3	WM049793-0001	Cable USB type A male - mini B right angle male, l=2500, Only with VGA 10.4" display (IEC)	1
4	WM045724-0001	Cable 4x0.5, l=1900+600, 24V Power to Zebra and SPM, for all Zebra positions (UL)	1
5	WM042854-0002	Cable 2x0.5 L=1000, from SPM to Printer, (IEC)	1
6	WM045328-0004	Cable single wire, ground, 4mm ring terminals, l=410 (UL). Grounding cable for Zebra printer (UL)	1
7	WM058792-0001	Cable, modular 8x0.14 L=1000 (Zebra Printer KR403)	1
8	WM057041-0001	Cable, 5x0.34 L=1000 (Zebra Printer KR403)	1

14.35 4 User cables

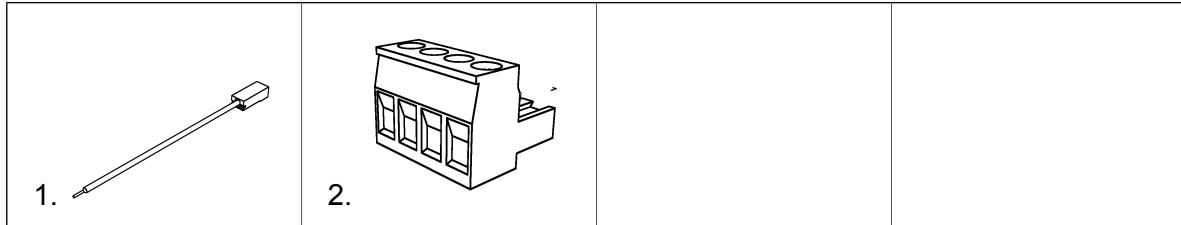




No.	Part Number	Description	Amount
1	WM052381	4U upper connector board	
2	WM053733-0001	Cable, 10x0.5, l=500	
3	WM054209	Cable single wire, 2 PC 1x0.34 BK (Used together with WM058444-0001)	
4	WM052394-0001	Cable multi, 10x0.5 BK, l=200, 300 (Only used when 4U and UPD combination 3+1)	
5	WM052391-0001	Cable multi, 10x0.5 BK, L=200, 300 (Only used when 4U and UPD combination 2+2, 1+1 or 2+1)	
6	WM005501-0002	Cable multi, 1x0.5 rd l=500, 1x0.5 bk, l=500 (24V cable between CPU boards)	
7	WM052379-0001	Cable, 2x0.34 L=1300 (Only used when 4U and UPD combination 3+1)	
8	WM054123-0001	Cable flat, round jacketed 16-position 1.27-pitch l=1000 (Only used when 4U and UPD combination 2+2, 1+1 or 2+1)	
9	WM054122-0001	Cable flat, round jacketed 10-position 1.27-pitch l=600 (In harness, but added extra)	
10	WM050322-0001	Cable multi, 2 pc 2x0.5 l=1000 ,2 pc 1x0.5 gr/ye l=200	
11	WM005501-0002	Cable multi, 1x0.5 RD L=500, 1x0.5 BK L=500	
12	WM052394-0001	Cable multi, 10x0.5 bk l=200, 300	
13	WU011182-0001	Cable, motor cntrl, iGems to conn board, 4 user	
14	WM040234-0001	Cable, bitbus, iGem to sales volume display L=650	
15	WU011947-0001	Cable, nozzle switch, dual iGem to converter board	

14.36 Tilt switch

Tilt switch, see page 117.



No.	Part Number	Description	Amount
1	WM003899-0001	Cable single wire, 1x0.75 bn l=200	2
2	WM001767	Connector, cable, terminal block	1

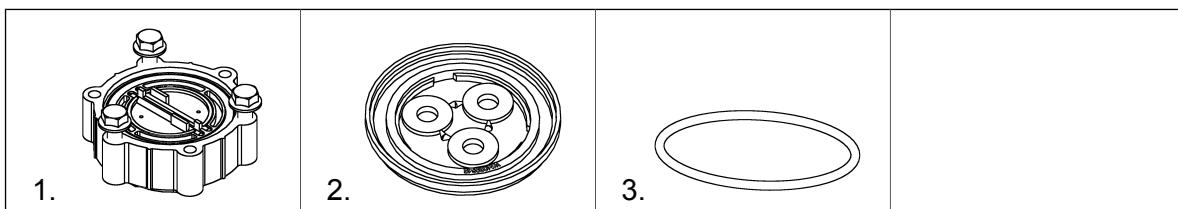
15 Misc.

15.1 Tools / Remote control



No.	Part Number	Description	Amount
1	WM047463	Tube removal tool (See also service manual W048523, chapter: "Product tube replacement")	
2	WM002290	Remote control with battery	1
	WM002289	Battery LR03 size AAA 1.5V to the remote control	2

15.2 Installation kit, suction standard



No.	Part Number	Description	Amount
1	WM027491	Flange lower, non return	1
2	WM028942	Ring galvanic isolation	1
3	WM000446	O-ring T=3, ID=64.5	1

15.3 UK Installation, Helix 6000

No.	Part Number	Description	Amount
1	WM048723	Support, U-shape break away, vapour recovery UK	1
2	WM053880	Support, U-shape break away, VR UK, Helix 1000	
3	WB000212-0007	Screw, hexagon socket CAP, M8x40	2

No.	Part Number	Description	Amount
4	WM007664	Washer, plain id=8,2 od=18 t=1	2
5	WB000228-0004	Nut, M8	2
6	WM045648	Gasket ID=18, OD=40, T=6	6
7	WM020591	Coupling, straight male GE 3/8" D=10	1
8	WB000343-0001	Bushing , male R1/2" x female Rp3/8"	2
9	WM020431	Coupling, 90 degree male WE 3/8" D=10	1
10	WM035703	Coupling, T-coupling female 1/2"	1
11	WM035704	Ball valve male 1/2" - female 1/2"	1
12	WU007721-0001	Tube, flexible triangular flange 185mm	1
13	WB000213-0001	Screw, hex head, M8 x 30	3
14	WM022836-0001	Washer, plain, M8 id=8,4, od=17, t=1,6	3
15	WM044091	Gasket triangular 1 1/2"	1
16	WM044092	Flange triangular 1 1/2" B.S.P.	1
17	WM035667	Cover Di=104 H=45	1
18	WM035659	Cap di=101,6 non threaded	1
19	WM062505	Coupling, straight male GE3/8" D=12	
20	WT001138	Coupling, 90 degree male 3/8" taper - DN12	

See also installation instruction "Helix 6000, Vapour recovery UK" - WM054067.

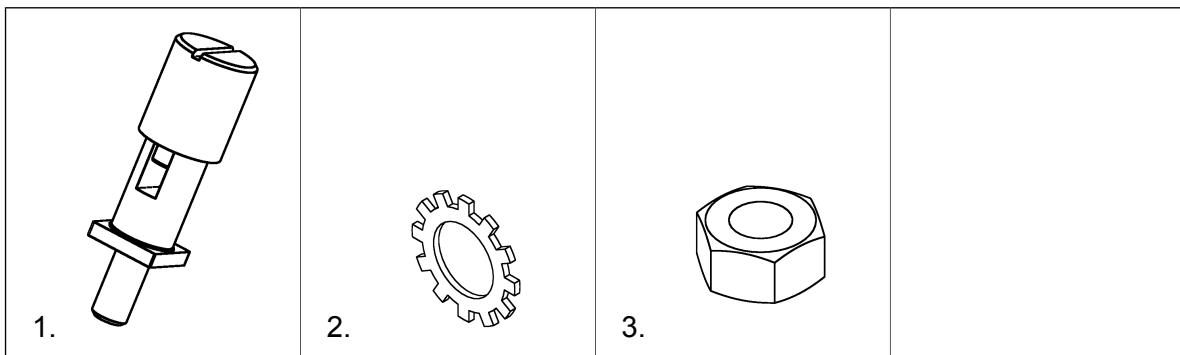
15.4 Decal / sticker

1. НЕ РАБОТЕТЕ ПОД НАПРЯЖЕНИЕ ПО ЕЛ. ИНСТАЛАЦИЯ	2. AN DER ELEKTRISCHEN ANLAGE NICHT UNTER SPANNUNG ARBEITEN	3. PERICOLO! IL MOTORE POTREBBE AVVIARSI ANCHE A PISTOLA RIPOSTA	4. TOGLIERE LA TENSIONE PRIMA DI LAVORARE SULLE APPARECCHIATURE ELETTRONICHE
5. NO TRABAJAR EN LAS INSTALACIONES ELÉCTRICAS BAJO TENSIÓN	6. VOORWERKEN AAN POMP SPANNING AFZETTEN	7. NEPRACOVAT NA ELEKTRICKÉM ZÁŘÍZENÍ PŘI ZAPNUTM PRODÚU	8. NE PAS TRAVAILLER SOUS TENSION
9. A FESZÜLTSEG ALATT LEVÓ BERENDEZESEN NEM SZABAD DOLGOZNI	10. BÍSTAMS SPRIEGUMI ! PIRMS ATVĒRŠANAS ATSLĒGT NO TĪKLA	11. INSTALACIJOS IR REMONTO DARBAI ATLIEKAMI TIK IŠJUNGUS ITAMPA	12. NIE WYKONYWAĆ ZADNYCH NAPRAW INSTALACJI ELEKTRYCZNEJ POD NAPIĘCIEM
13. Não trabalhar na instalação eléctrica sob tensão	14. TENSIOUNE INALTĂ! ECHIPAMENTUL ELECTRIC TREBUIE INCHIS ÎNAINTE DE A INCEPE REPARAȚIILE	15. 	16. DATA

17. SAT	18. TANK LEVEL	19. CASH BUTTON	20. VAPOUR GATE
21. SPEAKER	22. IVGPL	23. CAT 5	24. PHONE LINE GLOBALCOM
25. CEPSA ETHERNET LAN	26. CEPSA ETHERNET PC	27. MooH	28. iBUTTON
29. NÃO TRABALHAR NA INSTALAÇÃO ELÉTRICA COM O EQUIPAMENTO ENERGIZADO.	30. ---	<p>Wayne Fueling Systems Sweden AB Display board WM003683 Ex nA IIA T3 Ce TAMB. -30°C +60°C Test Report: AU/ITA/ExTR14.0039/00</p> <p>Connection board WM003673-0001 / WM058421-0001 Ex nA IIA T3 Ce TAMB. -30°C +60°C Um= 250VAC Test Report: AU/ITA/ExTR14.0053/00</p> <p>Intrinsic safe board WM046690-0001 / WM046690-0002 Ex nA IIA T3 Ce TAMB. -30°C +60°C Test Report: AU/ITA/ExTR14.0046/00</p>	32.  EXTRA SAFETY PROTECTED
33.  HEATER	34. NOT FOR EXTERNAL CONNECTIONS		

No.	Part Number	Description	Amount
1	WE000251	- Bulgaria	
2	WM003688	- Germany	
3	WM003674	- Italy	
4	WM003673	- Italy	
5	WM003680	- Spain	
6	WM004123	- Belgium	
7	WM004473	- Czechrepublic	
8	WM004124	- France	
9	WM004332	- Hungary	
10	WM006239	- Latvia	
11	WM006237	- Lithuania	
12	WM004130	- Poland	

No.	Part Number	Description	Amount
13	WM004840	- Portugal	
14	WM004841	- Romania	
15	WM003332	Sticker high voltage	
16	WM026527	Instruction label data	
17	WM054306	Instruction label SAT	
18	WM054307	Instruction label tank level	
19	WM054308	Instruction label cash button	
20	WM054309	Instruction label vapour gate	
21	WM054310	Instruction label speaker	
22	WM054311	Instruction label IVGPL	
23	WM054312	Instruction label CAT 5	
24	WM054313	Instruction label phone line Globalcom	
25	WM054314	Instruction label Cepsa ethernet LAN	
26	WM054315	Instruction label Cepsa ethernet PC	
27	WM054316	Instruction label mooh	
28	WM054317	Instruction label ibutton	
29	WU008035-0015	Instruction label, warning decal, Portuguese (Brazil)	
30	WM056121	Grounding decal, Sticker, white, earth, d=12,5mm	5
31	WM059020	Identification label, Ex nA assessed components (Only for AUS/NZ!)	
32	WM006679	Sticker, extra safety protected	
33	WE001151	Sticker, caution heater	
34	WM060114	Warning label not for external connections	

15.5 Grounding screw

No.	Part Number	Description	Amount
1	WB000273-0002	Grounding screw, M5	
2	WB000233-0006	Washer, lock, M5 ID=5.3, OD=10, T=0.6	
3	WB000228-0007	Nut, M5	

16 3rd parts EMEA - Key pads and Card Reader

16.1 Standard parts 3rd Party

No.	Part Number	Description	Amount
1	WM052607-F105	Panel, inset, key pads	
2	WM052603-F105	Panel, card reader, front adapter w/fasteners	
3	WM050118	Panel, card reader, adapter, inner	
4	WM051065	Gasket, H=220, W=178, T=8	
5	WM051069	Gasket, card reader adapter, small PT	
6	WM051072	Gasket, pin pad adapter, small PT	
8	WM053133-0001	Cable single wire, 1x1.5 GN/YE L=100	
8	WM053133-0002	Cable single wire, 1x1.5 GN/YE L=200	
9	WM053133-0003	Cable single wire, 1x1.5 GN/YE L=300	
10	WM053133-0004	Cable single wire, 1x1.5 GN/YE L=400	
11	WM053133-0005	Cable single wire, 1x1.5 GN/YE L=800	
12	WB000229-0002	Lock Nut, M4	

16.2 Xenteo

16.2.1 Xenteo with protection

No.	Part Number	Description	Amount
1	WM050608	Support, flat, key pad, Xenteo	
2	WM050611	Support, flat, back, key pad, Xenteo	
3	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	
4	WB000229-0002	Lock Nut, M4	
5	WM053057-F105	Cover key pad, Grey F105	
6	WM024723-0001	Screw, CSK socket CAP, M3x10	
7	WB000209-0008	Screw, hexagon socket CAP, M4x14	
8	WM038370	Gasket, Key pad, Xenteo	
9	WM051070	Gasket, card reader, small PT	

16.2.2 Xenteo without protection

No.	Part Number	Description	Amount
1	WM052425	Support, flat, key pad, Xenteo	
2	WM050611	Support, flat, back, key pad, Xenteo	
3	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	
4	WB000229-0002	Lock Nut, M4	
5	WB000209-0008	Screw, hexagon socket CAP, M4x14	
6	WM038370	Gasket, Key pad, Xenteo	
7	WM051070	Gasket, card reader, small PT	

16.2.3 Xenteo

No.	Part Number	Description	Amount
1	WM030892	Xenteo, Key pad	
2	WM031020	Xenteo, Card reader	

16.2.4 Xenteo, cables

No.	Part Number	Description	Amount
1	WM043685-0002	Cable modular, 8x0.14, L=2000	
2	WM051001-0001	Cable 2x0.5 L=1400	
3	WM003892-0002	Cable single wire 1x0.75 BN L=300	
4	WM008599-0001	Cable single wire 1x0.75 BU L=300	
5	WM003927-0001	Cable single wire 1x0.75 GN/YE L=300	
6	WM031238-0003	Cable multi, 1x0.5 RD L=1400, 1x0.5 BK L=1400	
7	WM031238-0002	Cable multi, 1x0.5 RD L=1400, 1x0.5 BK L=2500	
8	WM049795-0002	Cable, Etherline CAT5e L=2000	

16.3 ELME OPP-B50/SCR-B50**16.3.1 ELME OPP-B50/SCR-B50 with protection**

No.	Part Number	Description	Amount
1	WM050613	Support, flat, key pad, ELME	
2	WM050881	Support, ELME	

No.	Part Number	Description	Amount
3	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	
4	WB000229-0002	Lock nut, M4	
5	WB000209-0008	Screw, hexagon socket CAP, M4x14	
6	WM053057-F105	Cover key pad, Grey F105	
7	WM024723-0001	Screw, CSK socket CAP, M3x10	
8	WM051070	Gasket, card reader, small PT	

16.3.2 ELME OPP-B50/SCR-B50 without protection

No.	Part Number	Description	Amount
1	WM052427	Support, flat, key pad, ELME	
2	WM050881	Support, ELME	
3	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	
4	WB000229-0002	Lock nut, M4	
5	WB000209-0008	Screw, hexagon socket CAP, M4x14	
6	WM051070	Gasket, card reader, small PT	

16.3.3 ELME OPP-B50/SCR-B50

No.	Part Number	Description	Amount
1	WM033235	ELME, key pad, OPP-B50	
2	WM033041	ELME, card reader, SCR-B50	

16.3.4 ELME OPP-B50/SCR-B50, cables

No.	Part Number	Description	Amount
1	WM043688-0002	Cable modular, 8x0.14, L=2000	
2	WM049795-0002	Cable, etherline CAT5e L=2000	
3	WM033210-0002	Cable multi 1x0.5 RD, 1x0.5 RD, 1x0.5 BK, L=200	

16.4 Verifone Vx700

16.4.1 Verifone Vx700

No.	Part Number	Description	Amount
1	WM049844	Support, flat, key pad, Verifone	
2	WM050893	Support, Verifone	
3	WM051070	Gasket, card reader, small PT	
4	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	
5	WB000229-0002	Lock nut, M4	
6	WB000209-0008	Screw, hexagon socket CAP, M4x14	

16.4.2 Verifone Vx700

No.	Part Number	Description	Amount
1	WM046283	Verifone, Vx700, Key pad	
2	WM046284	Verifone, Vx700, card reader	

16.4.3 Verifone Vx700, cables

No.	Part Number	Description	Amount
1	WM050965-0001	Cable multi 1x0.5 RD L=200, 1x0.5 BK L=200	
2	WM050895-0002	Cable modular 10x0.14 L=2000	
3	WM049795-0002	Cable etherline CAT5e L=2000	

16.5 Ingenico i9500

16.5.1 Ingenico i9500

No.	Part Number	Description	Amount
1	WM050700	Support, flat, key pad, Ingenico	
2	WM050891	Support, Ingenico	
3	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	
4	WB000229-0001	Lock nut, M3	
5	WM040380	Gasket, pin pad, Ingenico	
6	WB000209-0008	Screw, hexagon socket cap, M4x14	

No.	Part Number	Description	Amount
7	WM051070	Gasket, card readers, small PT	

16.5.2 Ingenico i9500

No.	Part Number	Description	Amount
1	WM040879	Ingenico i9500, Key pad	
2	WM040882	Ingenico i9500, card reader	

16.5.3 Ingenico i9500, cables

No.	Part Number	Description	Amount
1	WM043844-0002	Cable multi modular 6x0.14 L=2000, 1x0.25 BK L=30	
2	WM050996-0001	Cable 2x0.5 L=1400	
3	WM049795-0002	Cable, etherline CAT5e L=2000	

16.6 Ingenico iUP/iUC250

16.6.1 Ingenico iUP/iUC250

No.	Part Number	Description	Amount
1	WM051314	Support, flat, Ingenico iUP250	
2	WM051330	Support, Ingenico iUP250	
3	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	
4	WB000229-0002	Lock nut, M4	
5	WB000209-0008	Screw, hexagon socket CAP, M4x14	

16.6.2 Ingenico iUP/iUC250 - With protection

No.	Part Number	Description	Amount
1	WM054662	Support, flat, Ingenico iUP250	
2	WM054659	Support, distance	
3	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	
4	WB000229-0002	Lock nut, M4	
5	WB000209-0008	Screw, hexagon socket CAP, M4x14	
6	WM053057-F105	Cover key pad, Grey F105	

No.	Part Number	Description	Amount
7	WM024723-0001	Screw, CSK socket CAP, M3x10	
8	WM051330	Support, Ingenico iUP250	

16.6.3 Ingenico iUP/iUC250

No.	Part Number	Description	Amount
1	WM056046-0001	Key pad & Card reader kit, Ingenico iUN, BE	
2	WM056046-0002	Key pad & Card reader kit, Ingenico iUN, NL	
3	WM056046-0003	Key pad & Card reader kit, Ingenico iUN, CZ	
4	WM056046-0004	Key pad & Card reader kit, Ingenico iUN, Baltic	
5	WM056046-0005	Key pad & Card reader kit, Ingenico iUN, RU	

16.6.4 Ingenico iUP/iUC250, cables

No.	Part Number	Description	Amount
1	WM041161-0002	Cable multi 1x0.5 RD L=200, 1x0.5 BK L=200	
2	WM049795-0002	Cable etherline CAT5e L=2000	
3	WM024585-0001	Cable USB type A male - type B male L=500	
4	WM024585-0002	Cable USB type A male - type B male L=200	

16.7 Hypercom Artema

16.7.1 Hypercom Artema

No.	Part Number	Description	Amount
1	WM052429	Support, flat, Hypercom Artema	
2	WM052456	Support, Hypercom Artema	
3	WM041228	Support, control box	
4	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	
5	WB000229-0002	Lock nut, M4	
6	WB000209-0008	Screw, hexagon socket CAP, M4x14	

No.	Part Number	Description	Amount
7	WB000209-0005	Screw, hexagon socket CAP, M4x6	

16.7.2 Hypercom Artema

No.	Part Number	Description	Amount
1	WM041174	Hypercom Artema, Key pad	
2	WM041178	Hypercom Artema, card reader	

16.7.3 Hypercom Artema, cables

No.	Part Number	Description	Amount
1	WM043687-0002	Cable modular, 8x0.14, L=2000	
2	WM041161-0002	Cable multi 1x0.5 RD L=200, 1x0.5 BK L=200	
3	WM049795-0002	Cable etherline CAT5e L=2000	
4	WM049795-0003	Cable etherline CAT5e L=1800	

16.8 GlobalCom

16.8.1 GlobalCom

No.	Part Number	Description	Amount
1	WM049633	Support, flat, card reader, GlobalCom	
2	WM049630	Support, flat, L=95	
3	WM051066	Gasket, GlobalCom	
4	WM051065	Gasket, H=220, W=178, T=8	
5	WM052608-F105	Panel, inset, GlobalCom, Grey F105	
6	WM055123	Panel, card reader, GlobalCom	
7	WM053133-0003	Cable single wire, 1x1.5 GN/YE L=300	
8	WM053133-0002	Cable single wire, 1x1.5 GN/YE L=200	
9	WB000209-0010	Screw, M4x25	
10	WB000229-0006	Lock Nut, M5	
11	WM054537-0001	Self tapping screw, Torx, PAN HEAD, TYPE C ST3,5x9.5	

16.8.2 GlobalCom

No.	Part Number	Description	Amount
1	WM052945	Kit - GlobalCom Key pad and Card reader	

16.8.3 GlobalCom, cables

No.	Part Number	Description	Amount
1	WM043828-0002	Cable 3x0.34 L=2000	
2	WM026002-0002	Cable multi 1x0.5 RD L=200, 1x0.5 BK L=200	
3	WM049795-0002	Cable, ethernet CATe L=2000	

16.9 Hypercom EMV K1200+H2210

16.9.1 Hypercom EMV K1200+H2210

No.	Part Number	Description	Amount
1	WM051875	Support, L-shape	
2	WM052472	Support, flat, key pad, Hypercom K1200	
3	WM052474	Support, Hypercom K1200	
4	WM051070	Gasket, card reader, small PT	
5	WM051886	Gasket, W=90, H=90, T=1,5	
6	WM036710	Support, security switch	
7	WB000209-0008	Screw, hexagon socket CAP, M4x14	
8	WB000229-0002	Lock nut, M4	
9	WM054537-0001	Self tapping screw, Torx, PAN HEAD, TYPE C ST3,5x9.5	

16.9.2 Hypercom EMV K1200+H2210 - With protection

No.	Part Number	Description	Amount
1	WM051875	Support, L-shape	
2	WM054675	Support, flat, key pad, Hypercom K1200	
3	WM053057-F105	Cover key pad, Grey F105	
4	WM024723-0001	Screw, CSK socket CAP, M3x10	
5	WM052474	Support, Hypercom K1200	
6	WM051070	Gasket, card reader, small PT	

No.	Part Number	Description	Amount
7	WM051886	Gasket, W=90, H=90, T=1,5	
8	WM036710	Support, security switch	
9	WB000209-0008	Screw, hexagon socket CAP, M4x14	
10	WB000229-0002	Lock nut, M4	
11	WM054537-0001	Self tapping screw, Torx, PAN HEAD, TYPE C ST3,5x9,5	

16.9.3 Hypercom EMV K1200+H2210

No.	Part Number	Description	Amount
1	WM022921-0009	Hypercom K1200, EMV, OKQ8 SE	
2	WM022921-0012	Hypercom K1200, VolvoTanka SE	
3	WM022921-0013	Hypercom K1200, EMV, NIND/SIND	
4	WM022921-0011	Hypercom K1200, Shell7Eleven SE	
5	WM022921-0010	Hypercom K1200, EMV, Shell7Eleven NO	
6	WM022921-0007	Hypercom K1200, EMV, Esso NO	
7	WM022921-0008	Hypercom K1200, EMV, YX NO	
8	WM017269	Hypercom H2210, Insertion EMV	
9	W8-183907	Hypercom H2210, Insertion EMV, OKQ8/VOLVO	

16.9.4 Hypercom K1200+H2210, cables

No.	Part Number	Description	Amount
1	WM020660-0003	Cable, 2x0.5 L=1800	
2	WM043715-0002	Cable, modular, 8x0.4, L=2000	

16.10 Verifone UX100 and UX300

16.10.1 Verifone UX100 and UX300

No.	Part Number	Description	Amount
1	WM053898	Support, Verifone Ux100	
2	WM052429	Support, flat, Hypercom Artema	
3	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	

No.	Part Number	Description	Amount
4	WB000229-0002	Lock nut, M4	
5	WB000209-0008	Screw, hexagon socket CAP, M4x14	

16.102 Verifone UX100 and UX300

No.	Part Number	Description	Amount
1	WM053891	Support, Verifone Ux110	
2	WM054017	Support, Verifone Ux110	
3	WM054537-0001	Self tapping screw, torx, pan head 4x8, for plastic	
4	WB000229-0002	Lock nut, M4	
5	WB000209-0008	Screw, hexagon socket CAP, M4x14	

16.103 Verifone UX100

No.	Part Number	Description	Amount
1	WM055259-0001	Key pad, Verifone Ux100, DE	
2	WM055259-0002	Key pad, Verifone Ux100, DK	
3	WM055259-0003	Key pad, Verifone Ux100, ES	
4	WM055259-0004	Key pad, Verifone Ux100, FR	
5	WM055259-0005	Key pad, Verifone Ux100, UK	
6	WM055259-0006	Key pad, Verifone Ux100, International	

16.104 Verifone UX110

No.	Part Number	Description	Amount
1	WM055262-0001	Key pad, Verifone Ux110, DE	
2	WM055262-0002	Key pad, Verifone Ux110, DK	
3	WM055262-0003	Key pad, Verifone Ux110, ES	
4	WM055262-0004	Key pad, Verifone Ux110, FR	
5	WM055262-0005	Key pad, Verifone Ux110, UK	
6	WM055262-0006	Key pad, Verifone Ux110, International	

16.105 Verifone UX300

No.	Part Number	Description	Amount
1	WM055254-0001	Card reader, UX300, STD	

No.	Part Number	Description	Amount
2	WM055254-0002	Card reader, UX300, MDB	
3	WM055254-0003	Card reader, UX300, RS485, MDB, SERIAL, LAN	
4	WM055254-0004	Card reader, UX300, LAN	
5	WM055254-0005	Card reader, UX300, 160MB, SC, 2SAMS, STD	
6	WM055254-0006	Card reader, UX300, 160MB, SC, 2SAMS, LAN	

16.10.6 Verifone UX100/110 and UX300, cables

No.	Part Number	Description	Amount
1	WM049795-0002	Cable, ethernet CATe L=2000	
2	WM024585-0003	Cable, USB, Type A male - Type B male, L=500	
3	WM054022-0002	Cable, modular 8x0.14, L=2000	
4	WM053994-0001	Cable, 2x0.5, L=1400	
5	WM053994-0003	Cable, 2x0.5, L=2500	

17 Software - Helix - iX Pay

No.	Part Number	Description	Amount
1	WM050384	R2 iXMedia Generic	
2	WM049062	iXPay EMV (R2 Generic IL)	
3	WM048304	iXPay EMV (R2 GenericPt4000 IL)	
4	WM049777	iXPay R2 Generic3PP	
5	WM052841	iXPay Generic NL R2	
6	WM054106	iXPay IPos R2	
7	WM049961	iXPay R2 Jet AT	
8	WM050806	iXPay R2 OKQ8 ATAP SE	
9	WM045234	iXPay R2 OK/Q8 SE	
10	WM045235	iXPay EMV R2 Topaz IE	
11	WM057045	iXPay R2 Applegreen UK	
12	WM058561	iXPay Fruitfield UK	
13	WM058562	iXPay Supermac UK	
14	WM062997	iXPay Applegreen IE	
15	WM048502	iXPay EMV (R2 SHELL DK)	
16	WM062996	Delek IL	
17	WM062998	Sainsbury, UK	
18	WM054102	iXPay R2 version, Slave, MID	
19	WU004539-0001	Data storage, SD card, 1 GB	

Warranty

Any alterations or, additions to, or unauthorized work performed on the equipment without manufacturer's express written consent shall void any existing product warranty. Please see product warranty information for additional details.

Use only genuine parts.

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