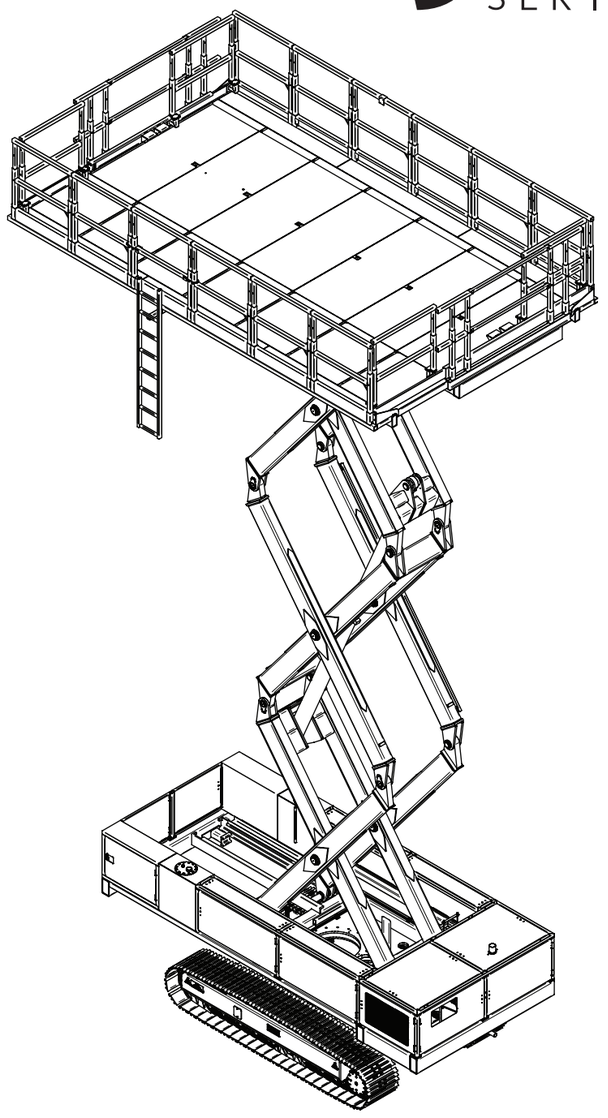
800TS SERIES & 900TS SERIES



Lower Control Box - front elements - Mechanical Engine 2

Lower Control Box - front elements - Digital Engine + DPF 3

Lower Control Box - front elements - Digital Engine + DPF 4

Lower Control Box - Components 5

J1939 Can Interface Harness 12

Radiographic remote control - Gen#1 13

Remote control - Antenna Cable assembly - Gen#1 16

Radiographic remote control - Gen#2 (DJQ03) 17

DP1 - Harness + Cetop @ Platform Harness 20

Wiring Schematic - upper control module 22

DP1 - Harness + Cetop @ Platform Harness 23

Wiring Schematic - upper control module 26

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DP2 - Cable Assembly - Hydr Manifold 29

DP2A - Cable Assembly - PVG prop manifold 30

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DP6 - Harness - Engine - Battery 40

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Omega Group

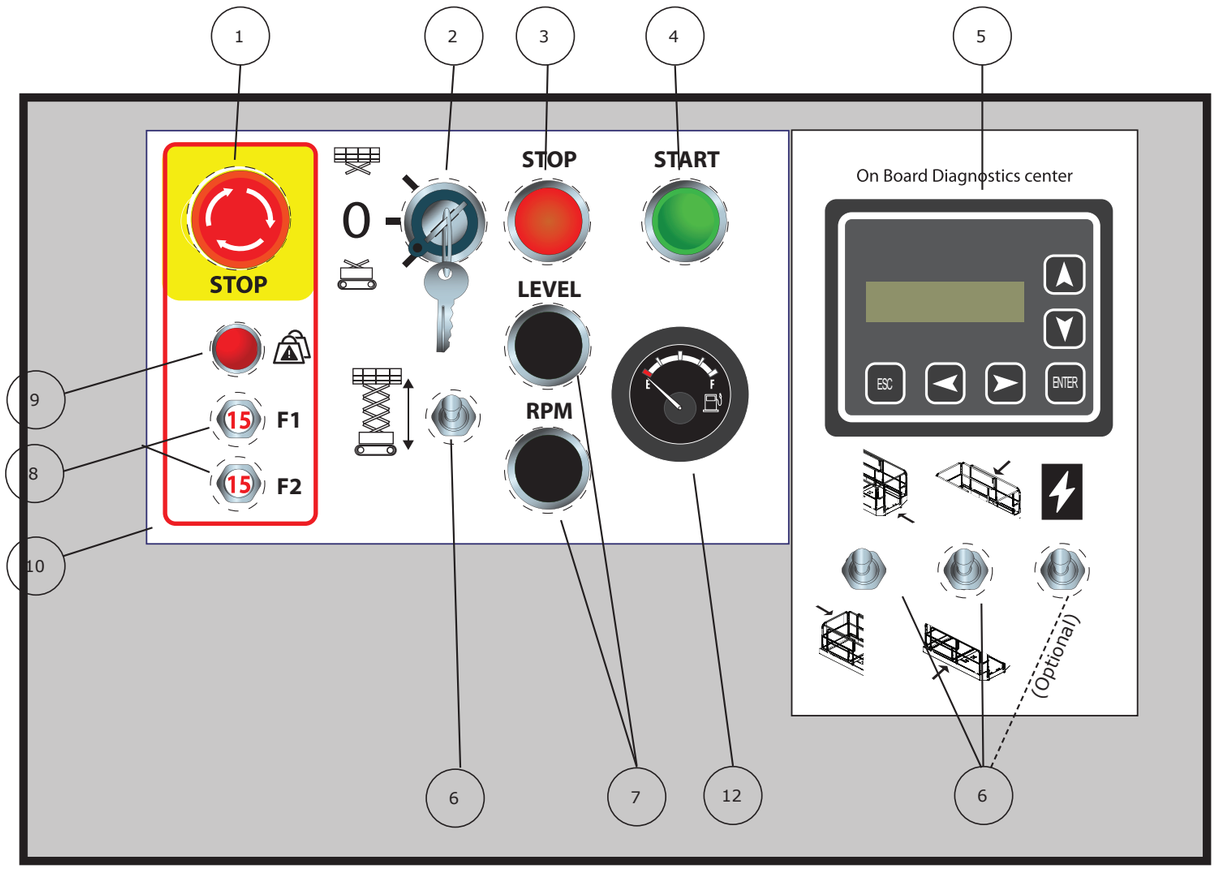
Leemidden 21
2678 ME De Lier
The Netherlands

t +31 174 - 525 990
e group@omegagroup.eu
www.omegagroup.eu

Lower Control Box - front elements - Mechanical Engine

Production period 2016 up to 2018

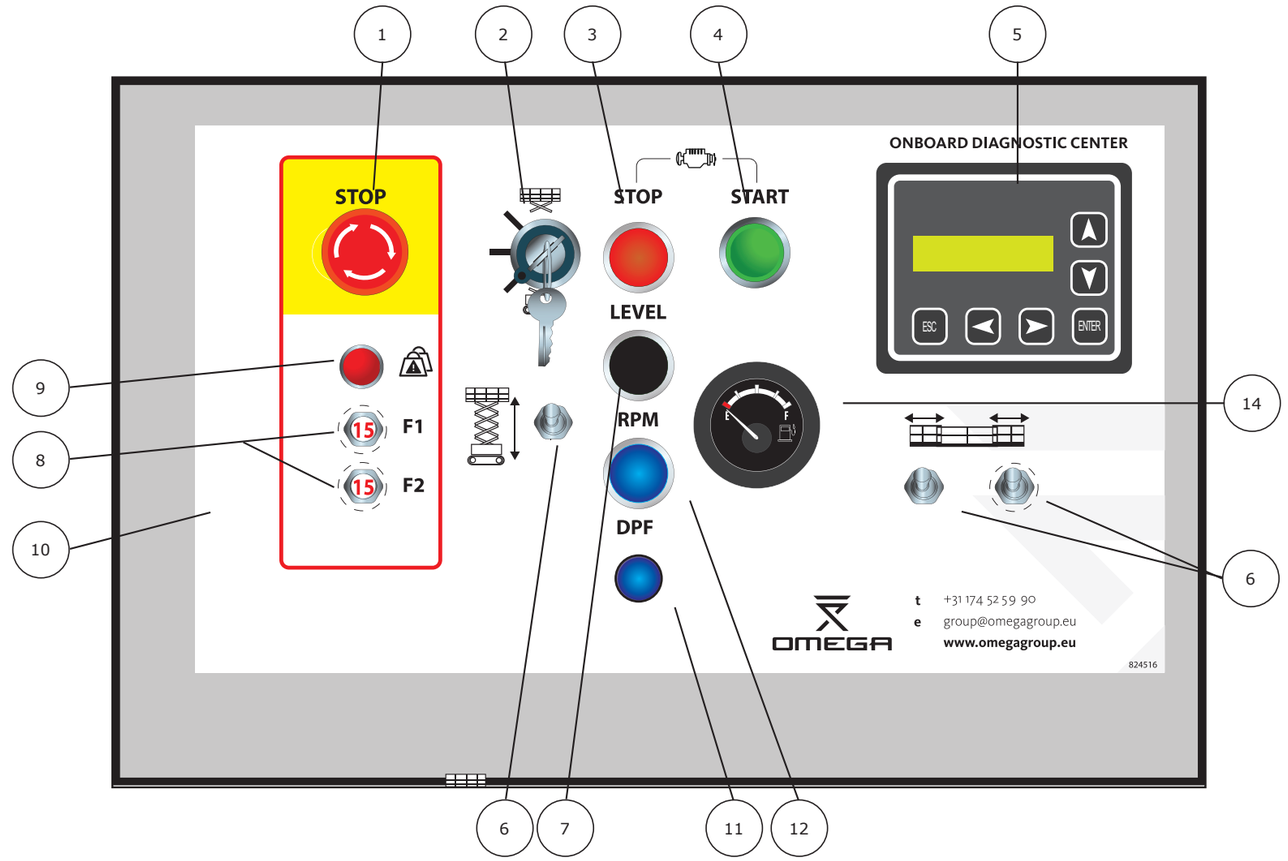
ITEM	PART NR	DESCRIPTION	QTY
1	130336	EMER. STOP - TWIST TO RELAESE	1
	130332	CONTACT BLOCK NC	1
2	130334	KEY SWITCH 3 POS	1
	120224	CONTACT BLOCK NO	2
	130338	BASE RING	1
3	416122	PUSH BUTTON RED	1
4	416120	PUSH BUTTON GREEN	1
5	192412	ON BOARD DIAGNOSTICS CENTER	1
6	120050	TOGGLE SWITCH - 3 POS	4
7	416124	PUSH BUTTON BLACK	2
-	120224	CONTACT BLOCK NO	4
8	455621	CIRCUIT BREAKER 15A	2
9	628578	LED RED	1
10	802012	DECAL LOWER CONTROLS (LEFT)	1
11	802010	DECAL DIAGNOSTIC CENTER	1
12	628582	TANK METER (DIESEL TANK)	1



Lower Control Box - front elements - Digital Engine + DPF

Production period 2018 up to 2020

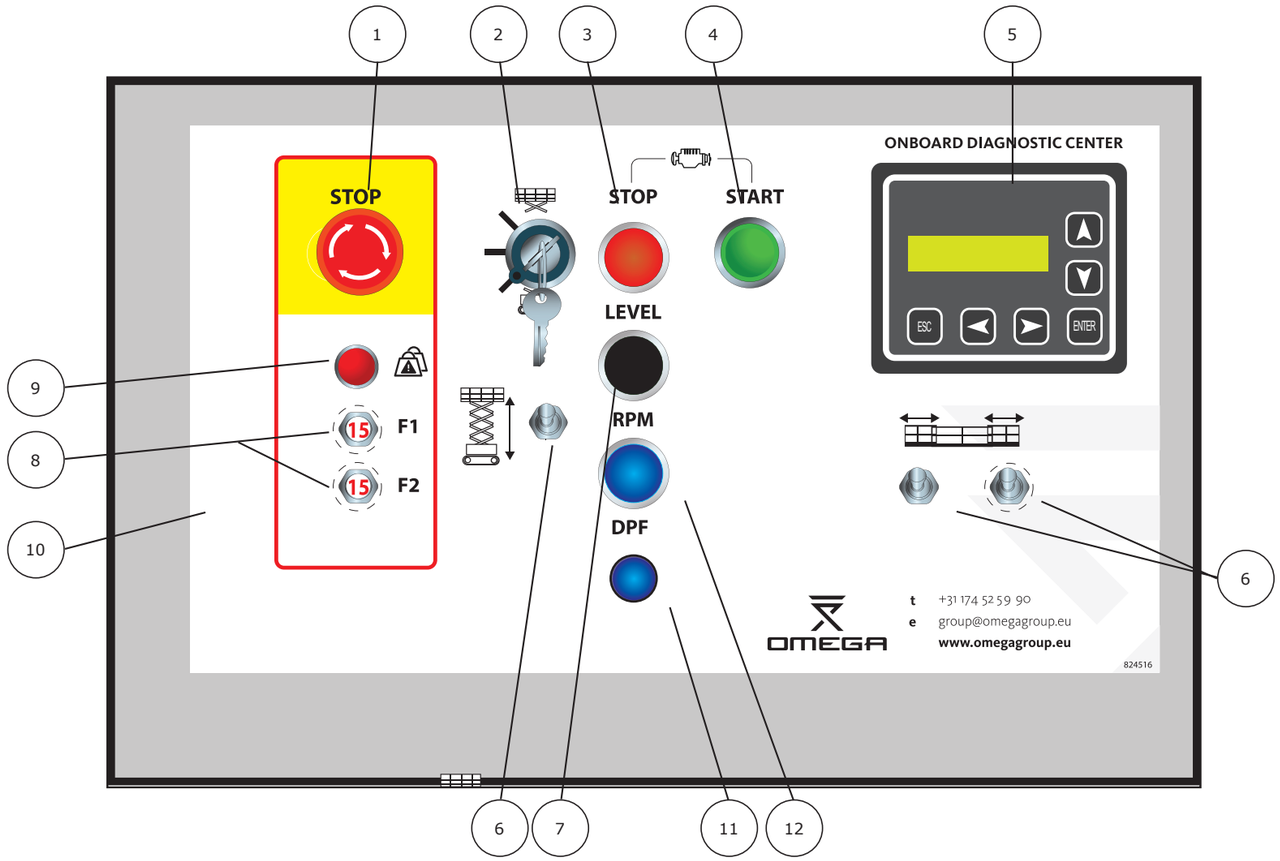
ITEM	PART NR	DESCRIPTION	QTY
1A	130336	EMER. STOP - TWIST TO RELAESE	1
1B	130332	CONTACT BLOCK NC	1
1C	130338	BASE RING	
2A	130334	KEY SWITCH 3 POS	1
2B	120224	CONTACT BLOCK NO	2
2C	130338	BASE RING	1
3A	416122	PUSH BUTTON RED	1
4	416120	PUSH BUTTON GREEN	1
5	192412	ON BOARD DIAGNOSTICS CENTER	1
6	120050	TOGGLE SWITCH - 3 POS	3
7	416124	PUSH BUTTON BLACK	1
2B,3B, 7B	120224	CONTACT BLOCK NO	3
2C,3C,7C	130338	BASE RING	3
8	455621	CIRCUIT BREAKER 15A	2
9	628578	LED RED	1
10	824516	DECAL LOWER CONTROLS	1
11	403234	LED BLUE - DPF WARNING	1
12A	620578	BUSH BUTTON BLUE - WITH SIGNALLING	1
12B	620702	LIGHT ELEMENT	1
12C	610222	CONTACT BLOCK NO	1
12D	132124	BASE RING	1
14	628582	TANK METER (DIESEL TANK)	1



Lower Control Box - front elements - Digital Engine + DPF

Production period 2021 and Upwards

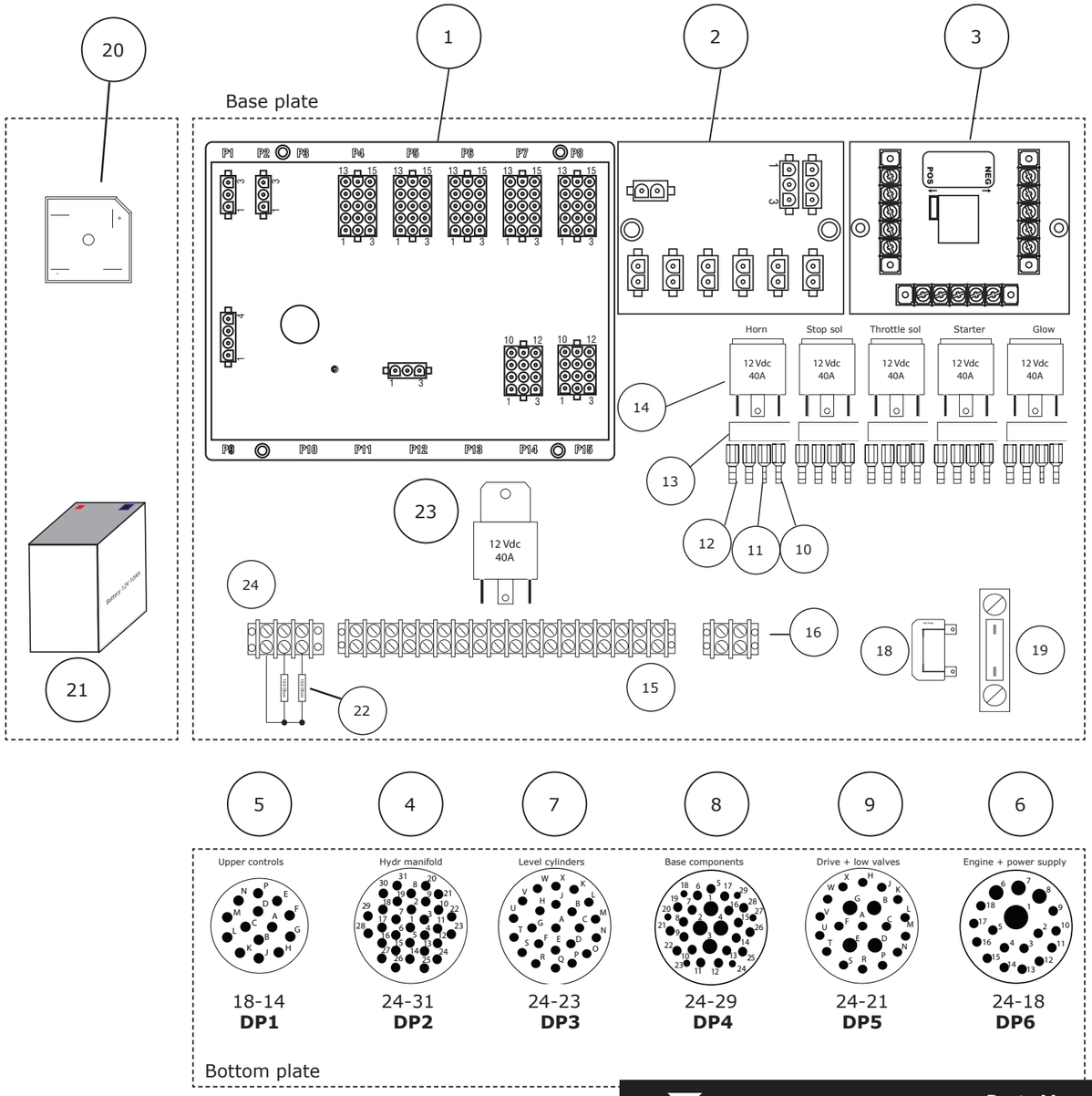
ITEM	PART NR	DESCRIPTION	QTY
--	**400800**	**CONTROL BOX ASSEMBLY**	
1A	130336	EMER. STOP - TWIST TO RELEASE	1
1B	130332	CONTACT BLOCK NC	1
1C	130338	BASE RING	1
2A	130334	KEY SWITCH 3 POS	1
2B	120224	CONTACT BLOCK NO	2
2C	130338	BASE RING	1
3A	416122	PUSH BUTTON RED	1
4	416120	PUSH BUTTON GREEN	1
5	192412	ON BOARD DIAGNOSTICS CENTER	1
6	120050	TOGGLE SWITCH - 3 POS	3
7	416124	PUSH BUTTON BLACK	1
2B,3B, 7B	120224	CONTACT BLOCK NO	3
2C,3C,7C	130338	BASE RING	3
8	455621	CIRCUIT BREAKER 15A	2
9	628578	LED RED	1
10	824516	DECAL LOWER CONTROLS	1
11	403234	LED BLUE - DPF WARNING	1
12A	620578	BUSH BUTTON BLUE - WITH SIGNALLING	1
12B	620702	LIGHT ELEMENT	1
12C	610222	CONTACT BLOCK NO	1
12D	132124	BASE RING	1



ITEM	PART NR	DESCRIPTION	QTY
1	440692	CONTROL MODULE GP400	1
2	192414	VCCM CONTROL MODULE	1
3	318598	TERMINAL BLOCK MODULE	1
4	194122	CONNECTOR HOUSING - 31 WAY	1
5	468376	CONNECTOR HOUSING - 14 WAY	1
6	215084	CONNECTOR HOUSING - 18 WAY	1
7	460140	CONNECTOR HOUSING - 23 WAY	1
8	194112	CONNECTOR HOUSING - 29 WAY	1
9	468394	CONNECTOR HOUSING - 21 WAY	1
-	194114	LOCKING NUT - SIZE 24	5
-	194116	LOCKING WASHER - SIZE 24	5
-	194156	LOCKING NUT - SIZE 18	1
	194124	LOCKING WASHER - SIZE 18	1
	194286	PIN SIZE 20	20
	194118	PIN SIZE 16	80
	126842	PIN SIZE 12	8
10	416112	TERMINAL CONNECTOR - 1,5 MMQ	4
11	416116	TERMINAL CONNECTOR 0,5 MMQ	4
12	416118	TERMINAL CONNECTOR 4,0 MMQ	8
13	416114	SOCKET RELAY	4
14	435716	RELAY AUTOMOTIVE	4
15	415304	TERMINAL STRIP 18 WAY	1
15B	614012	TERMINAL JUMPER 8 WAY	3
16	360174	TERMINAL STRIP 2 WAY	1
17	614012	TERMINAL BRIDGE	5
18	620378	FUSE 60 AMP (FOR GLOW)	1
19	442012	FUSE HOLDER	1
20	821312	BRIDGE RECTIFIER	1
21	487036	BY-PASS BATTERY 12 V 10AH	1
22	194136	RESISTOR 150 OHM	2
23	610174	RELAY 12V SEALED	1
24	360172	TERMINAL STRIP 3 WAY	1

Lower Control Box - Components

Production up to 2018



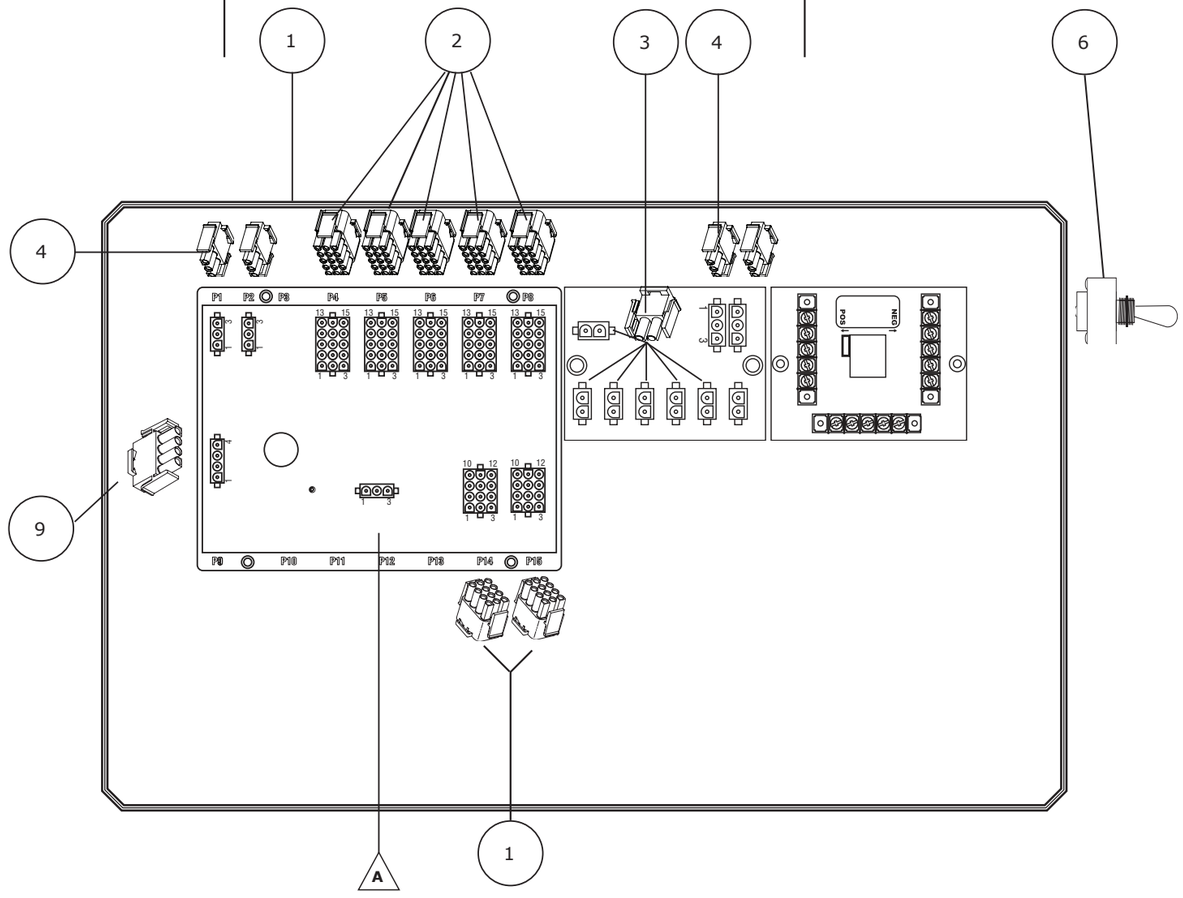
Lower Control Box - Components

Production up to 2018

ITEM	PART NR	DESCRIPTION	QTY
1	194046	BOX ENCLOSER	1
2	144534	PLUG HOUSING 15WAY	5
3	144532	PLUG HOUSING 2 WAY	6
4	743202	PLUG HOUSING 3 WAY	5
5	192412	ONBOARD DIAGNOSTIC CENTER	1
6	120064	TOGGLE SWITCH 2 POS - SPRING RETURN	1
9	623218	PLUG HOUSING 4 WAY	2
10A	192812	RECEPTACLE HOUSING - PANEL	1
10B	194156	NUT SIZE 18	1
10C	194124	LOCK WASHER	1
10D	194290	CAP PLUG	1
10E	452423	SOCKET CONTACT	200
13	793423	PLUG HOUSING 12 WAY	1

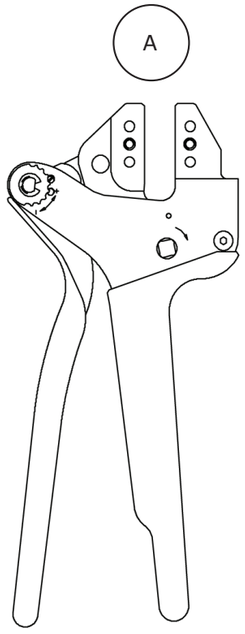
See tooling

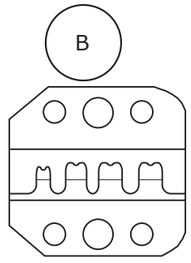
Special tooling -> Hand crimp tool for socket & pins.



TOOLING

ITEM	PART NR	DESCRIPTION	QTY
A	116488	CRIMP HAND TOOL	1
B	684254	HEX DIE - FOR HAND TOOL (INSERTS)	1



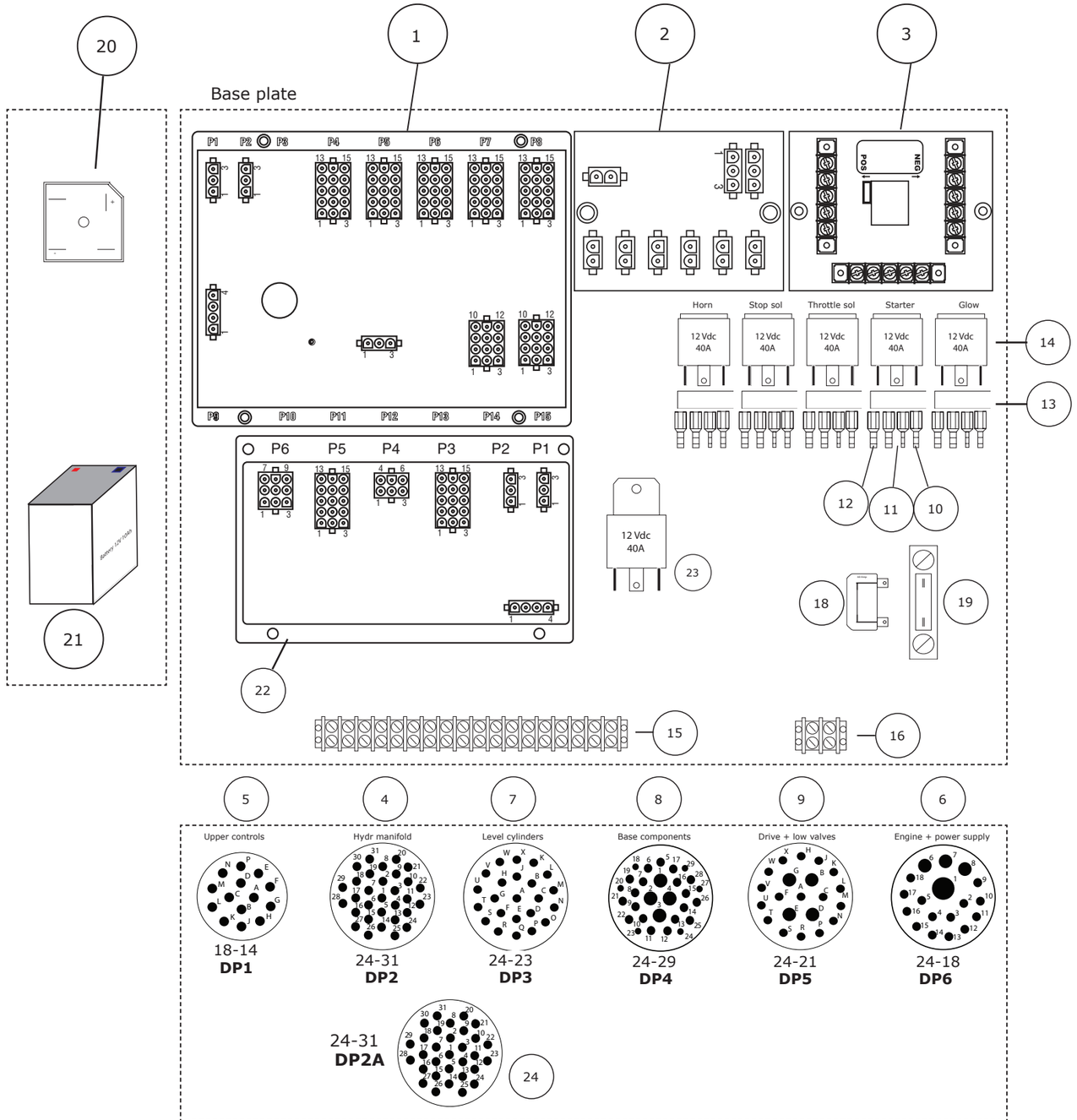


A: ILLUSTRATED ON "J1939 CAN INTERFACE HARNESS" PAGE

Lower Control Box - Components

Production 2018 and Upwards

ITEM	PART NR	DESCRIPTION	QTY
1	440692	CONTROL MODULE GP400	1
2	192414	VCCM CONTROL MODULE	1
3	318598	TERMINAL BLOCK MODULE	1
4	194122	CONNECTOR HOUSING - 31 WAY	1
5	468376	CONNECTOR HOUSING - 14 WAY	1
6	215084	CONNECTOR HOUSING - 18 WAY	1
7	460140	CONNECTOR HOUSING - 23 WAY	1
8	194112	CONNECTOR HOUSING - 29 WAY	1
9	468394	CONNECTOR HOUSING - 21 WAY	1
-	194114	LOCKING NUT - SIZE 24	6
-	194116	LOCKING WASHER - SIZE 24	6
-	194156	LOCKING NUT - SIZE 18	1
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	194118	PIN SIZE 16	80
	126842	PIN SIZE 12	8
10	416112	TERMINAL CONNECTOR - 1,5 MMQ	4
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12	416118	TERMINAL CONNECTOR 4,0 MMQ	8
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14	435716	RELAY AUTOMOTIVE	4
15	415304	TERMINAL STRIP 18 WAY	1
15B	614012	TERMINAL JUMPER 8 WAY	3
16	360174	TERMINAL STRIP 2 WAY	1
17	614012	TERMINAL BRIDGE	5
18		FUSE 60 AMP (FOR GLOW)	1
19	442012	FUSE HOLDER	1
20	821312	BRIDGE RECTIFIER	1
21	487036	BY-PASS BATTERY 12 V 10AH	1
22	192448	GP450 CONTROL MODULE	1
23	610174	RELAY 12V SEALED	1
24	244008	CONNECTOR HOUSING - 31 WAY P	1
24A	612210	PIN CONTACT SIZE 16	20



Bottom plate

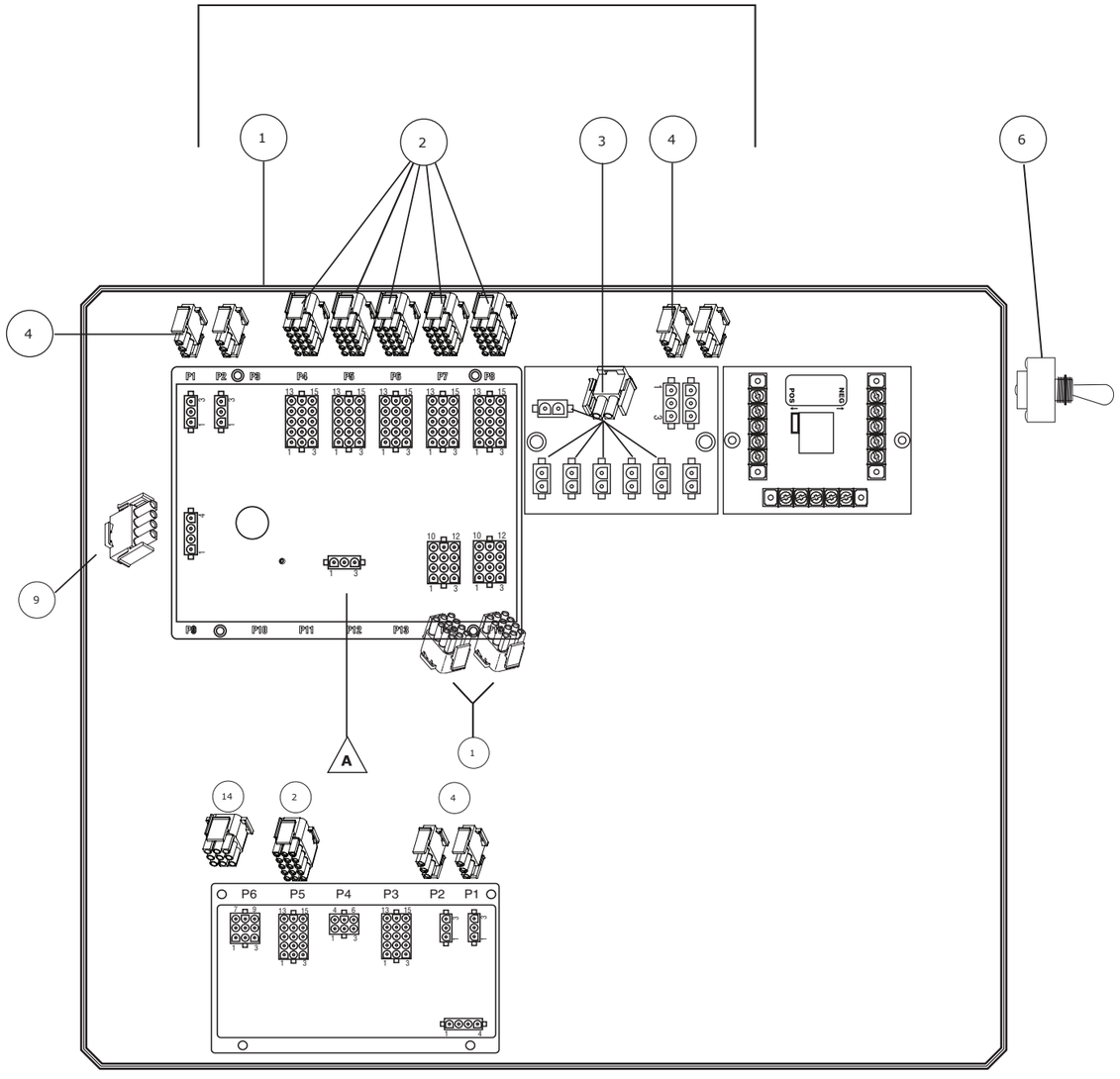
Lower Control Box - Components

Production 2018 and Upwards

ITEM	PART NR	DESCRIPTION	QTY
1	194046	BOX ENCLOSER	1
2	144534	PLUG HOUSING 15WAY	6
3	144532	PLUG HOUSING 2 WAY	6
4	743202	PLUG HOUSING 3 WAY	7
6	120062	TOGGLE SWITCH 2 POS - SPRING RETURN	1
9	623218	PLUG HOUSING 4 WAY	2
10A	192812	RECEPTACLE HOUSING - PANEL	1
10B	194156	NUT SIZE 18	1
10C	194124	LOCK WASHER	1
10D	194290	CAP PLUG	1
10E	452423	SOCKET CONTACT	200
12	REF	AUTEC CRS RECEIVING UNIT	1
13	793423	PLUG HOUSING 12 WAY	1
14	233134	PLUG HOUSING 9 WAY	1

See tooling

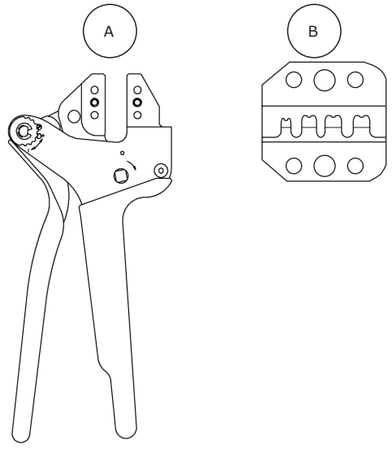
Special tooling -> Hand crimp tool for socket & pins.



A: ILLUSTRATED ON "J1939 CAN INTERFACE HARNESS" PAGE

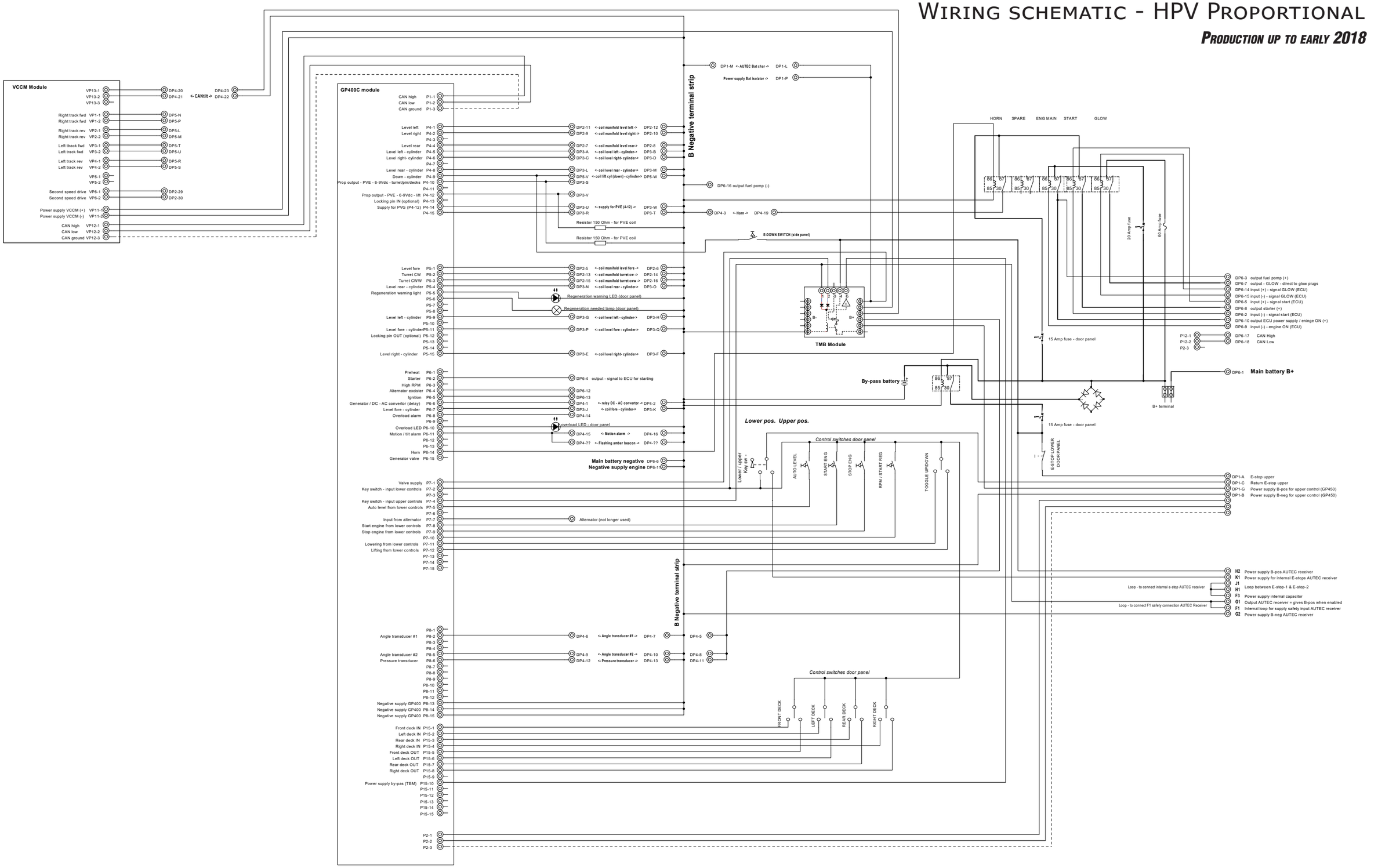
TOOLING

ITEM	PART NR	DESCRIPTION	QTY
A	116488	CRIMP HAND TOOL	1
B	684254	HEX DIE - FOR HAND TOOL (INSERTS)	1



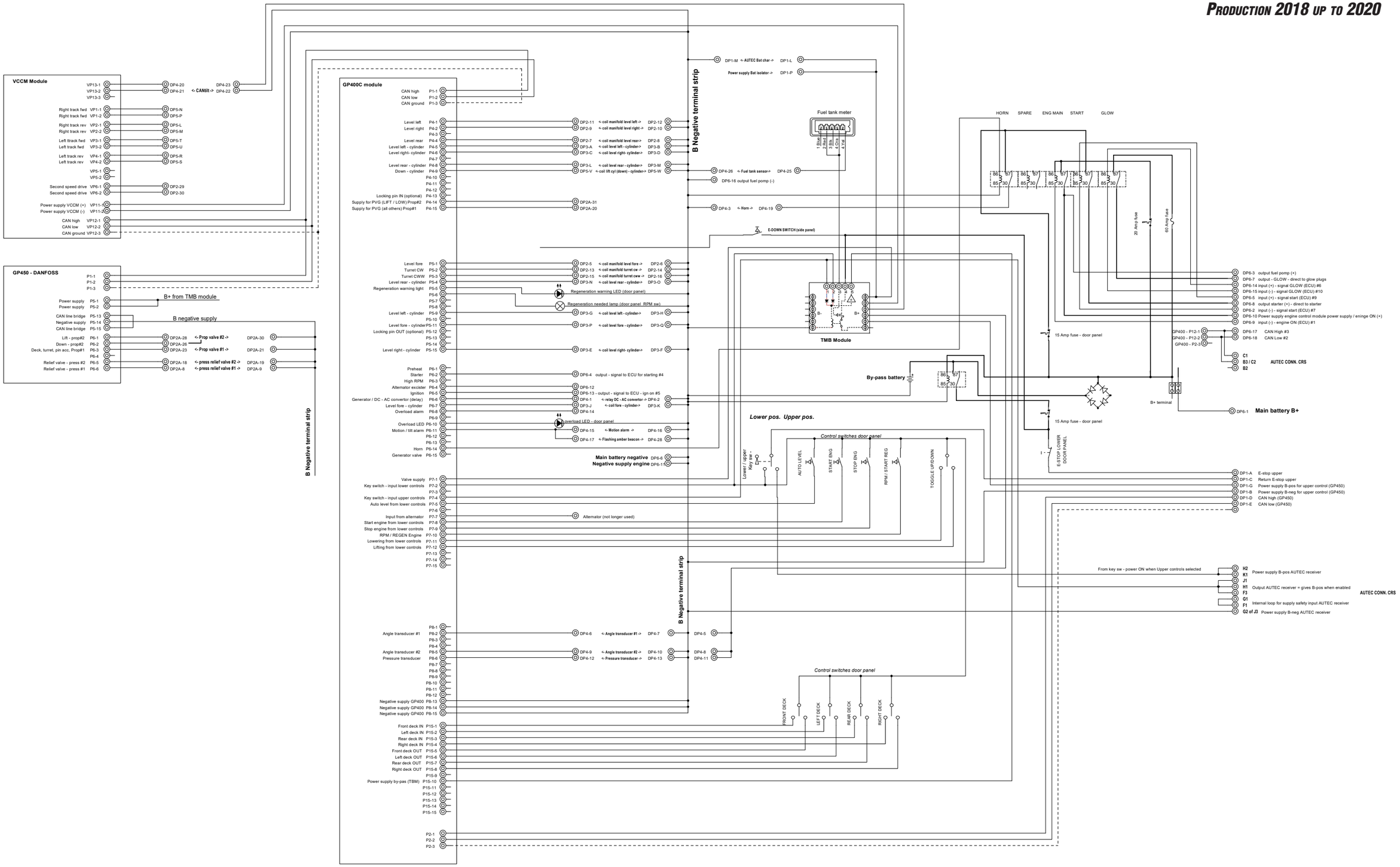
Wiring schematic - HPV Proportional

Production up to early 2018



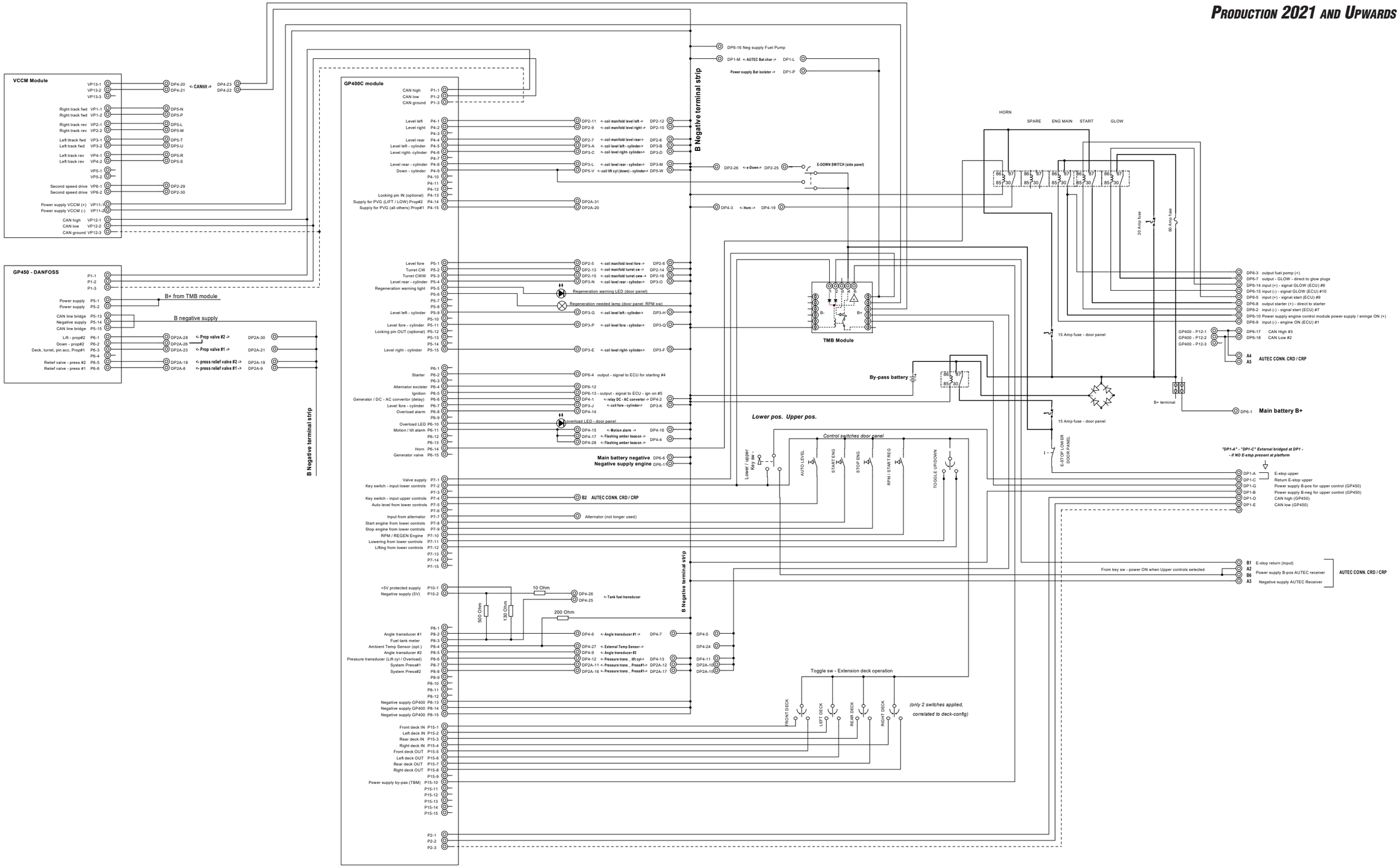
Wiring schematic - PVG Proportional

Production 2018 up to 2020



Wiring schematic - PVG Proportional

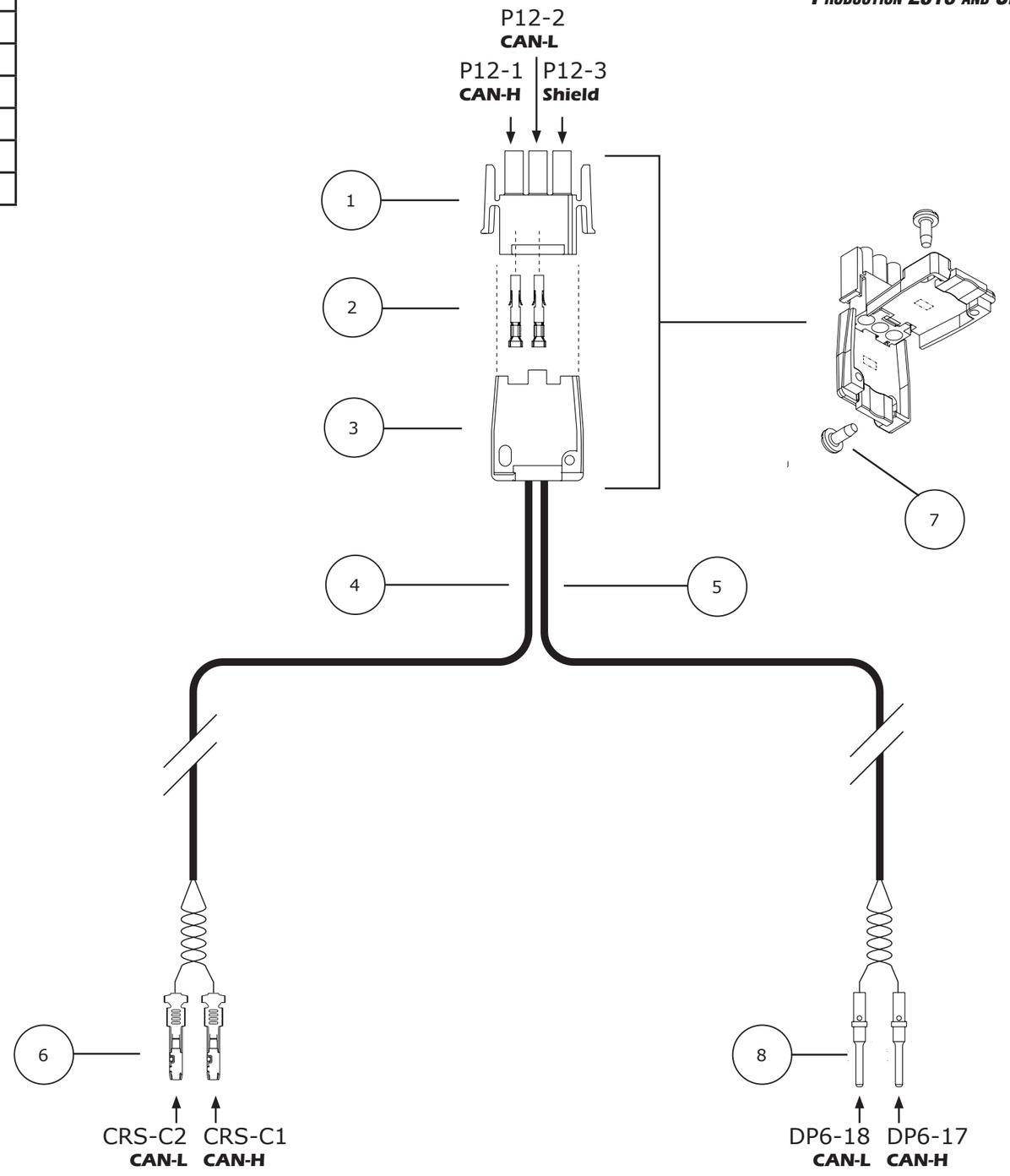
Production 2021 and Upwards



ITEM	PART NR	DESCRIPTION	QTY
1	478090	PLUG 3WAY - BLACK	1
2	478092	SOCKET CONTACT - GOLD PLATED	2
3	478094	STRAIN RELIEF	1
4	412352	TWISTED PAIR SHIELDED - 2X0.35MMQ	45 CM
5	412352	TWISTED PAIR SHIELDED - 2X0.35MMQ	60 CM
6	475754	CRIMP CONTACT	2
7	478098	PAN HEAD SELF TAPPING SCREW 3,5X9,5MM	2
8	478096	PIN CONTACT SIZE16 GOLD PLATED	2

J1939 Can Interface Harness

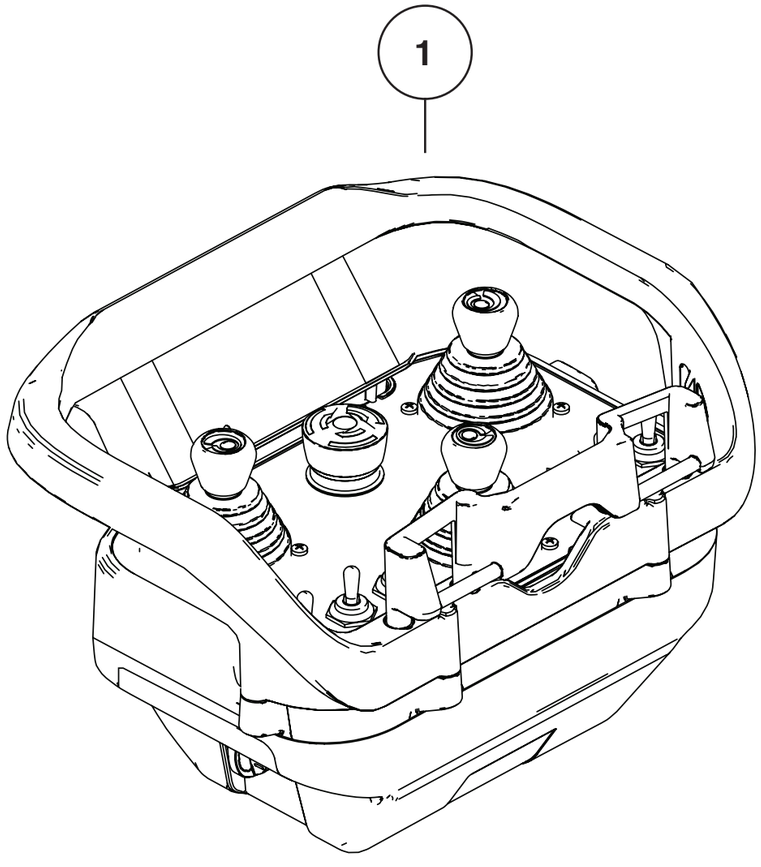
Production 2018 and Upwards

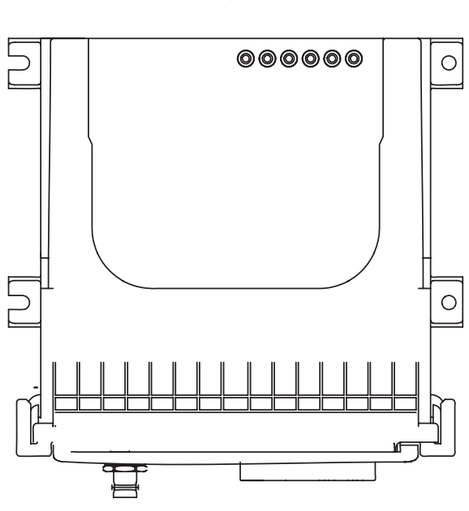


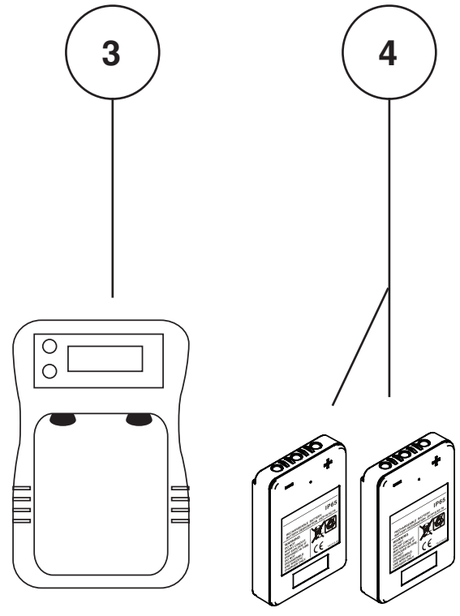
RADIOGRAPHIC REMOTE CONTROL - GEN#1

PRODUCTION UP TO 2020

ITEM	PART NR	DESCRIPTION	QTY
--	**821346**	**RADIOGRAPHIC REMOTE KIT** **- CHARGER + 2X BATTERY** **- REMOTE UNIT** **- RECEIVER UNIT** **- CARRYING BELT** **- CABLE + ANTENNA+ BRACKET**	**1**
1	---	REMOTE CONTROL UNIT (NOT OFFERED - ONLY VIA KIT)	1
2	856922	RECEIVER	1
3	612330	BATTERY CHARGER - 12/24VDC INPUT	1
4	120826	BATTERY 7,2V 750MAH IP65	2



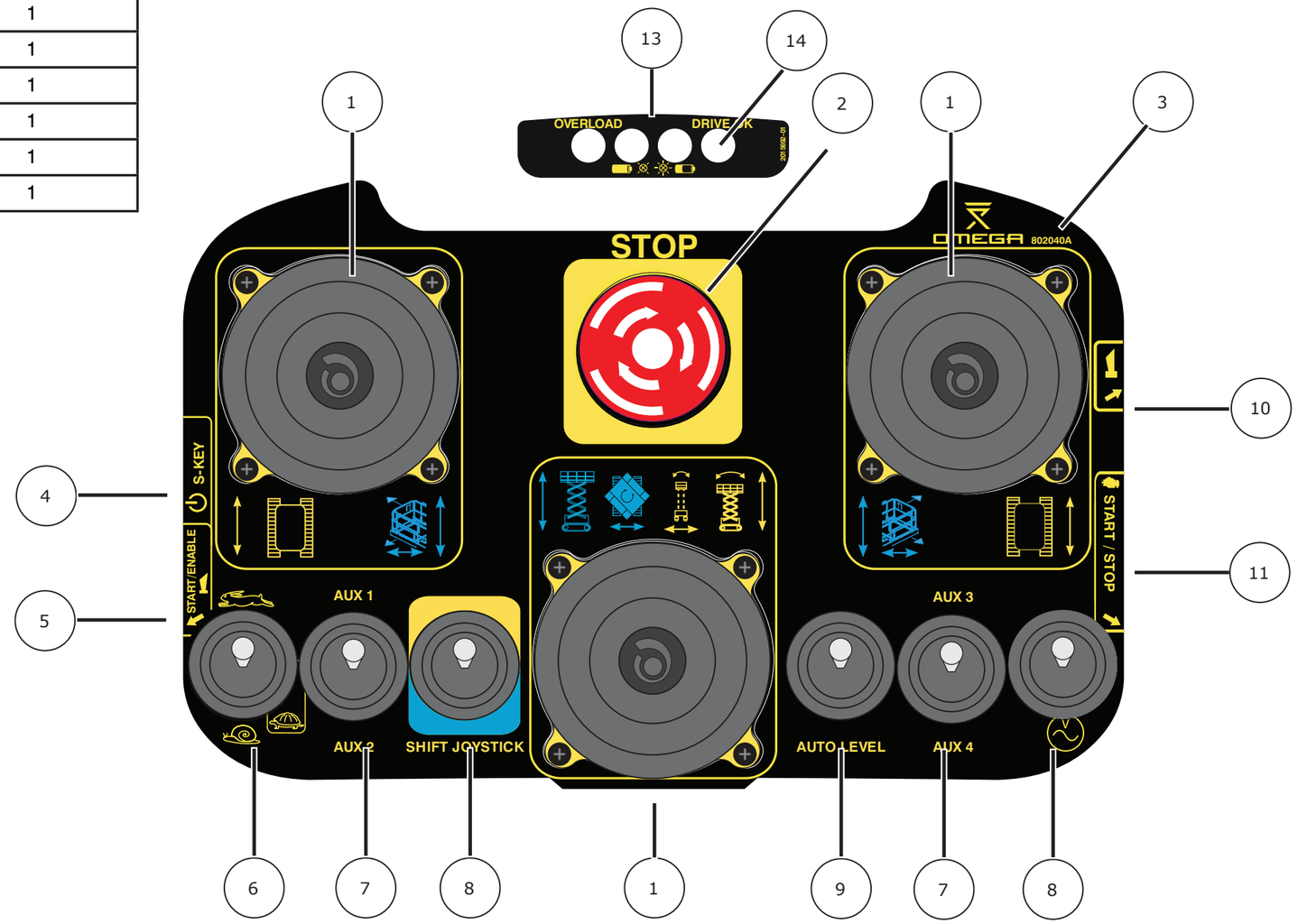




RADIOGRAPHIC REMOTE CONTROL - GEN#1

PRODUCTION UP TO 2020

ITEM	PART NR	DESCRIPTION	QTY
1	428002	JOYSTICK CONTROLLER	3
2	428046	EMERGENCY STOP	1
3	802040	DECAL - OVERLAY	1
4	122482	KEY SWITCH - HOUSING	1
-	PLEASE CALL	KEY ONLY	1
5	428054	PUSH BUTTON GREEN	1
6	510610	TOGGLE SWITCH - 3 POS - ALL FIXED - KIT	1
7	130014	TOGGLE SWITCH - 3 POS - SPRING RETURN CENTER - KIT	2
8	130402	TOGGLE SWITCH - 2 POS - FIXED - KIT	2
9	510682	TOGGLE SWITCH - 2 POS - SPRING RETURN - KIT	1
10	428048	PUSH BUTTON BLACK	1
10A	510684	BRACKET FOR PUSH BUTTON	1
11	428048	PUSH BUTTON BLACK	1
12	510688	CONNECTOR PANEL MOUNT	1
13	622114	DECAL LED STRIP	1
14	622098	LED STRIP - 4 LEDS	1



ITEM	PART NR	DESCRIPTION	QTY
1	510698	CABLE WITH CONNECTORS - 5 MTR	1
2	512008	SOCKET - PANEL MOUNT	1
3	465004	CABLE TWISTED PAIR - 4X2X0,5	15 MTR
4	512012	PLUG	1

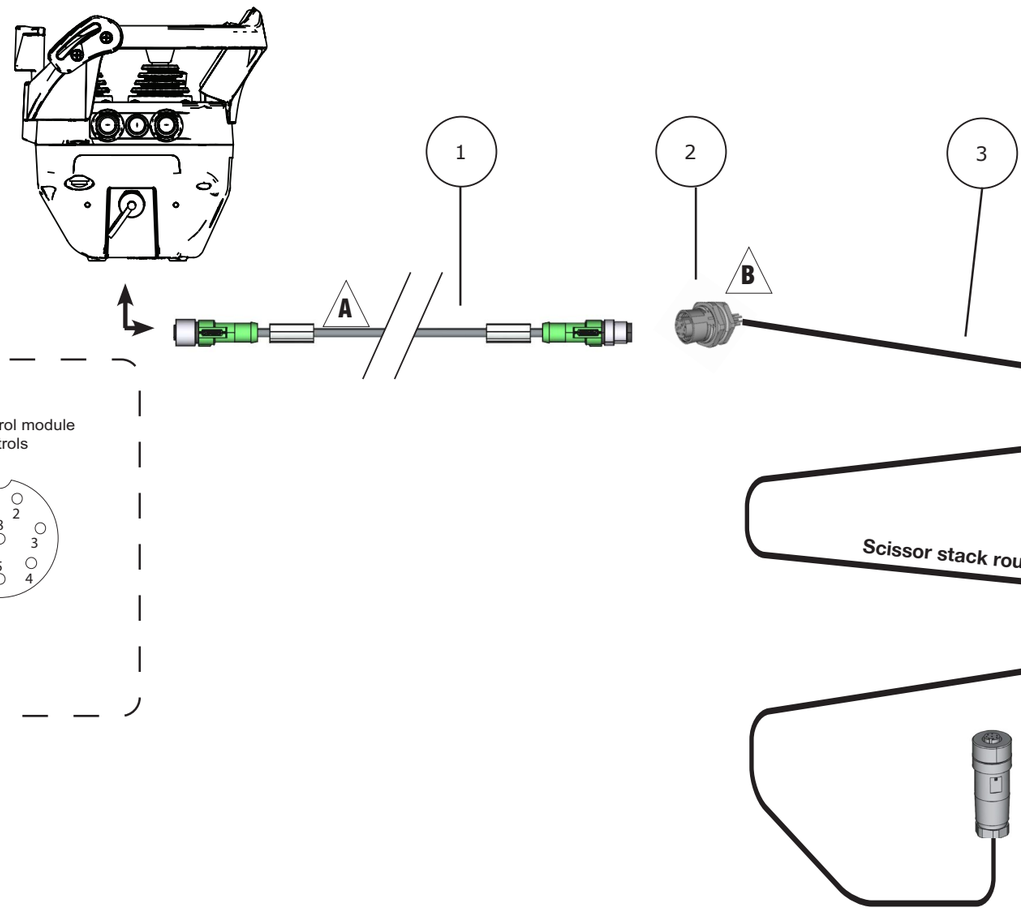
RADIOGRAPHIC REMOTE CONTROL - SUPPLY CABLE (OPT)- GEN#1

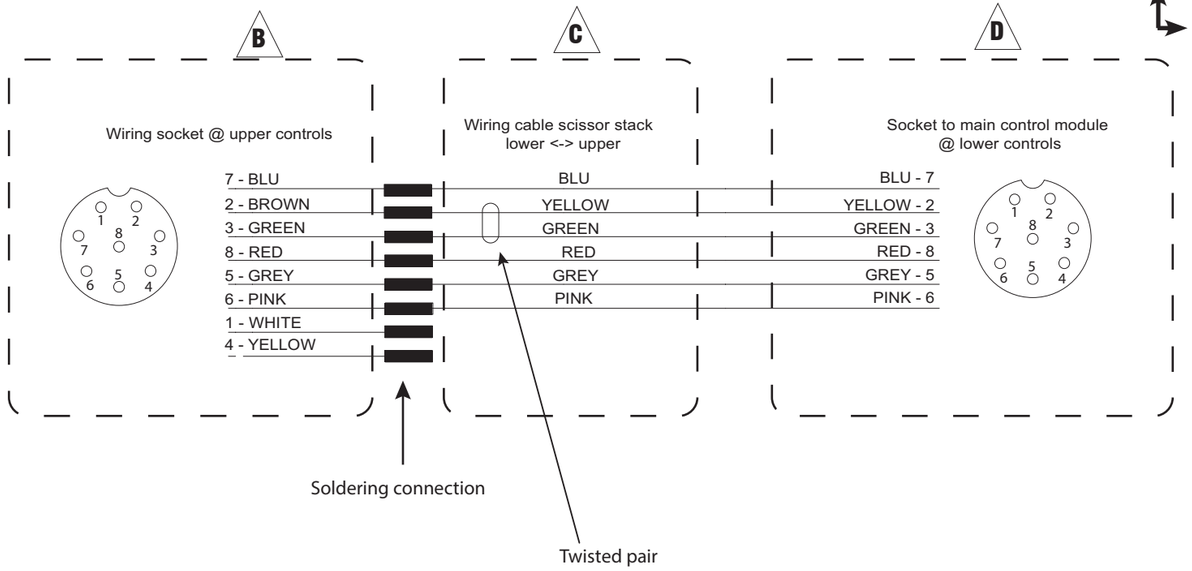
PRODUCTION UP TO 2020

A = control cable for fixed AUTEC controller

B = plug at enclosure module, mounted below platform.

C = Shielded twisted pair cable - 8 core (4x2) 0,5 mm2 each





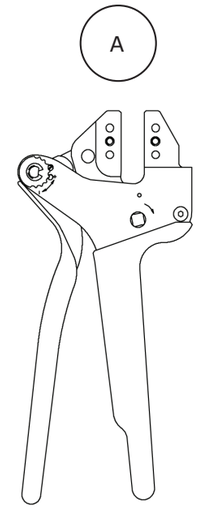
Remote control - Antenna Cable assembly - Gen#1

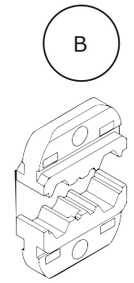
Production up to 2020

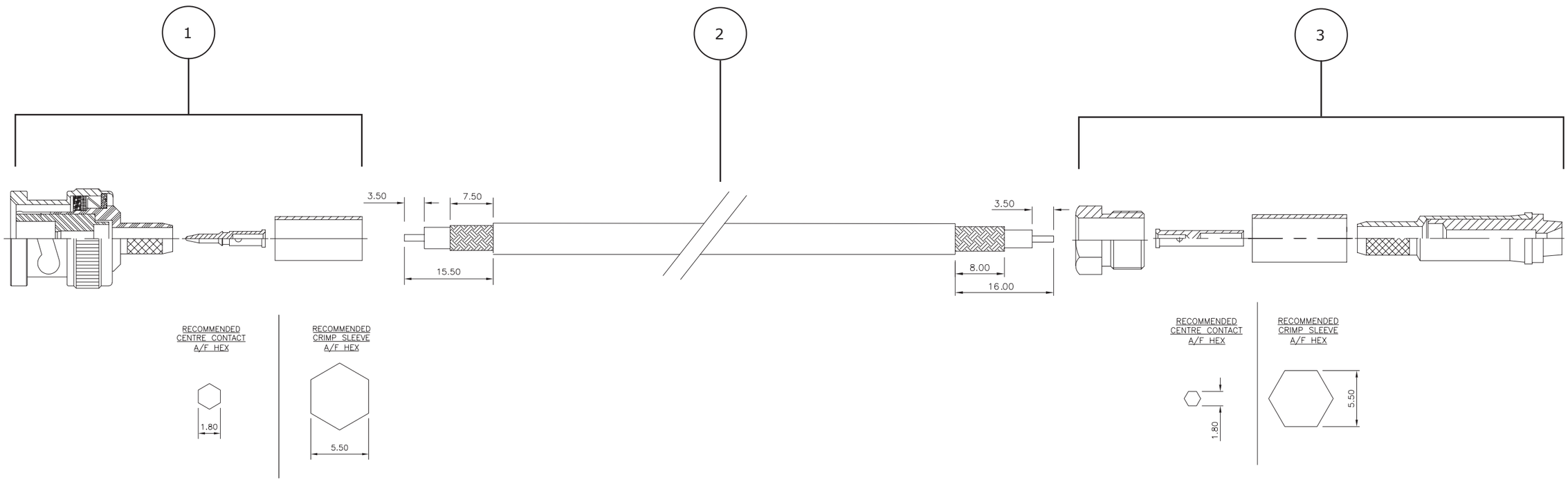
ITEM	PART NR	DESCRIPTION	QTY
1	624350	BNC COAXIAL CONNECTOR 50OHM	1
2	420336	COAXIAL CABLE 50OHM - PER MTR	___ MTR
3	624362	COAXIAL CONNECTORS FME STRAIGHT	1

TOOLING

ITEM	PART NR	DESCRIPTION	QTY
A	624364	CRIMP HAND TOOL	1
B	624366	HEX DIE - FOR HAND TOOL (INSERTS)	1





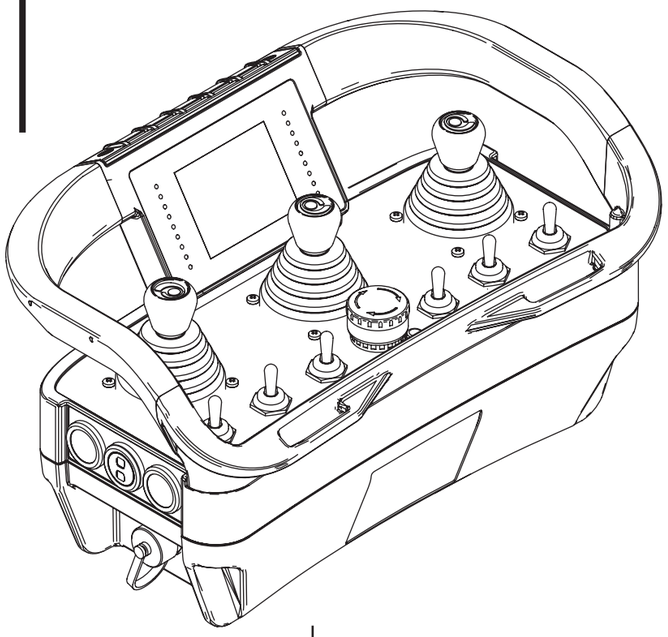


RADIOGRAPHIC REMOTE CONTROL - GEN#2 (DJQ03)

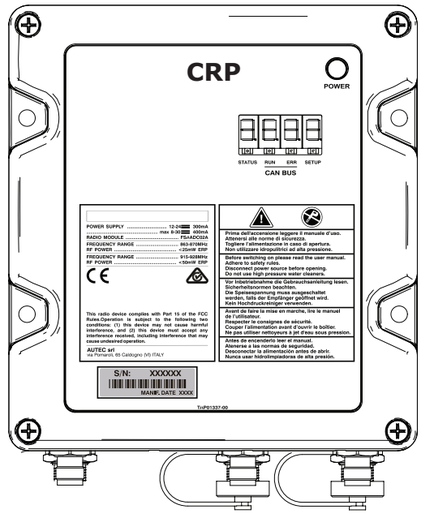
PRODUCTION 2021 AND UPWARDS

ITEM	PART NR	DESCRIPTION	QTY
1	**469800**	**RADIOGRAPHIC REMOTE KIT** **- CHARGER + 2X BATTERY** **- REMOTE UNIT** **- RECEIVER UNIT** **- CARRYING BELT** **- CABLE + ANTENNA+ BRACKET**	**1**
2		REMOTE CONTROL UNIT (NOT OFFERED - ONLY VIA KIT)	1
3		RECEIVER UNIT	1
4	239044	BATTERY - LI-ION - 7,4V - 10,36WH	2
5	469720	BATTERY CHARGER - 12VDC INPUT	1
	OPTIONAL - NOT DEFAULT IN KIT:		
-	469706	BATTERY CHARGER - 90-264VAC INPUT	

1

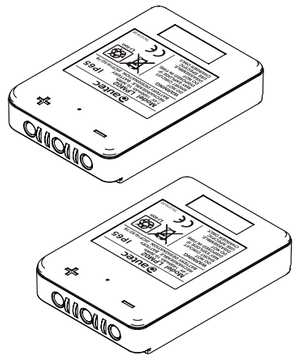


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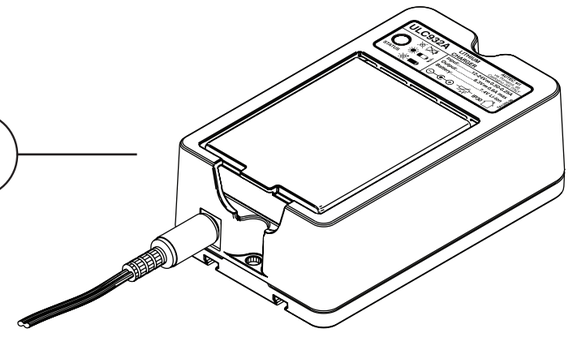


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4



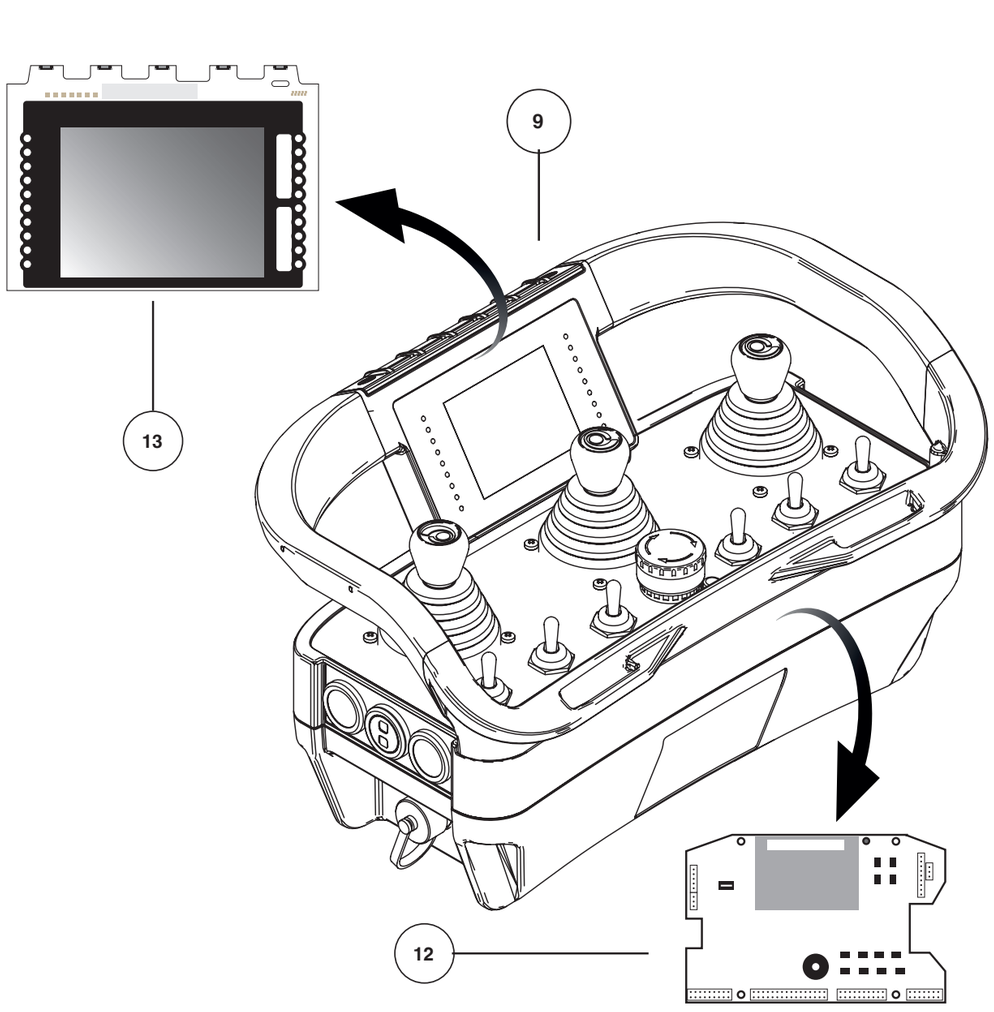
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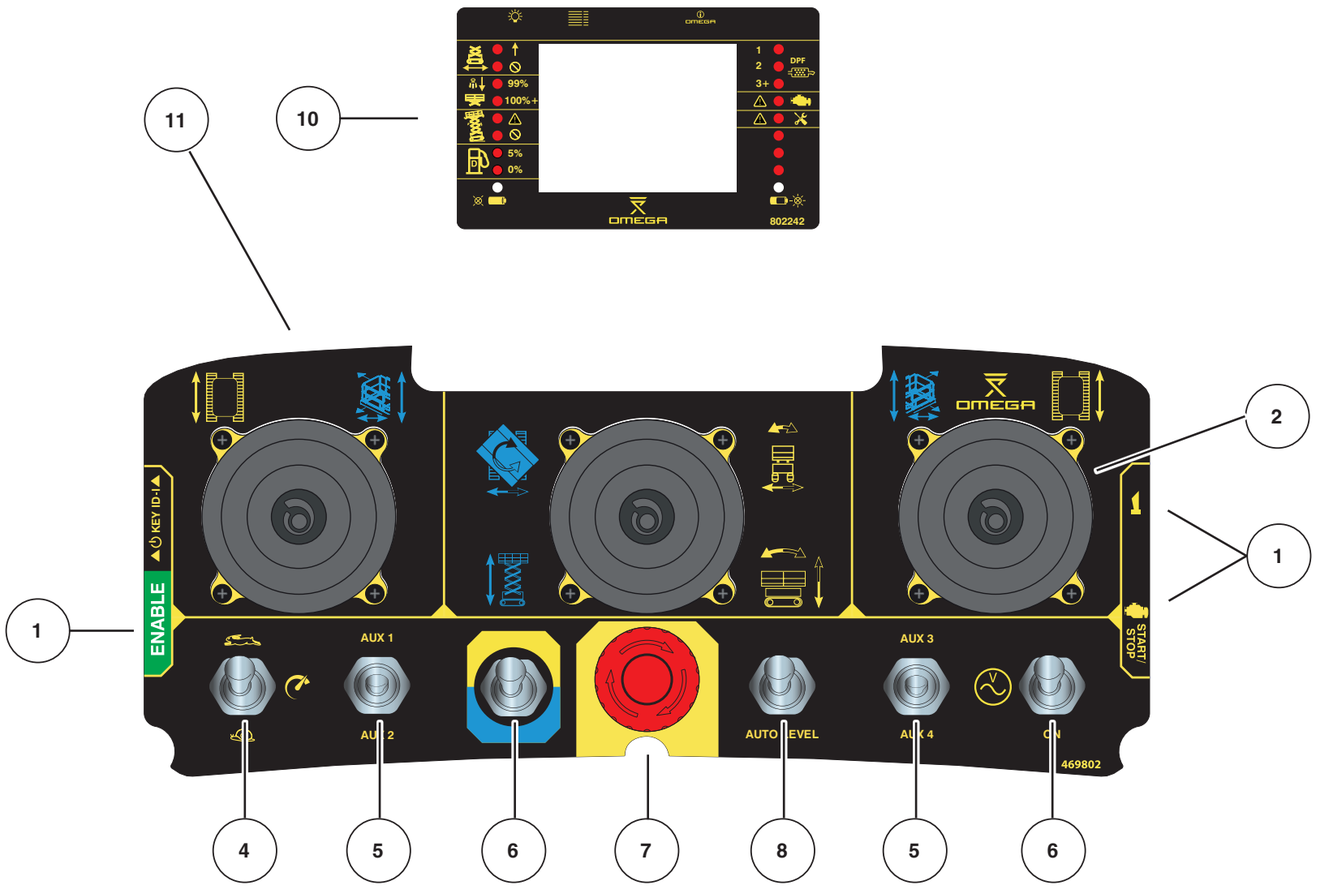


Radiographic remote control - DJQ03

Production 2021 and Upwards

ITEM	PART NR	DESCRIPTION	QTY
1	469794	PUSH BUTTON BLACK	3
2		JOYSTICK CONTROLLER - DUAL AXIS	3
2A	326026	JOYSTICK INSERT - X-AXIS / Y-AXIS LIMITER	3
4	239004	TOGGLE SWITCH 3 POS - ALL FIXED	1
5	239006	TOGGLE SWITCH 3 POS - SPRING RETURN	2
6	239008	TOGGLE SWITCH 2 POS - ALL FIXED	2
7	458474	EMER STOP ASSEMBLY	1
8	470330	TOGGLE SWITCH 2 POS - SPRING RETURN	1
9	104210	5-SWITCH-RACKET PROTECTION BOOT AND COVER	1
10	802242	DECAL - LEDS AND DISPLAY	1
11	469802	DECAL - REMOTE CONTROLLER	1
12	440854???	PCB TRANSMITTER	1
13	440856	PCB DISPLAY - LED ROWS	1

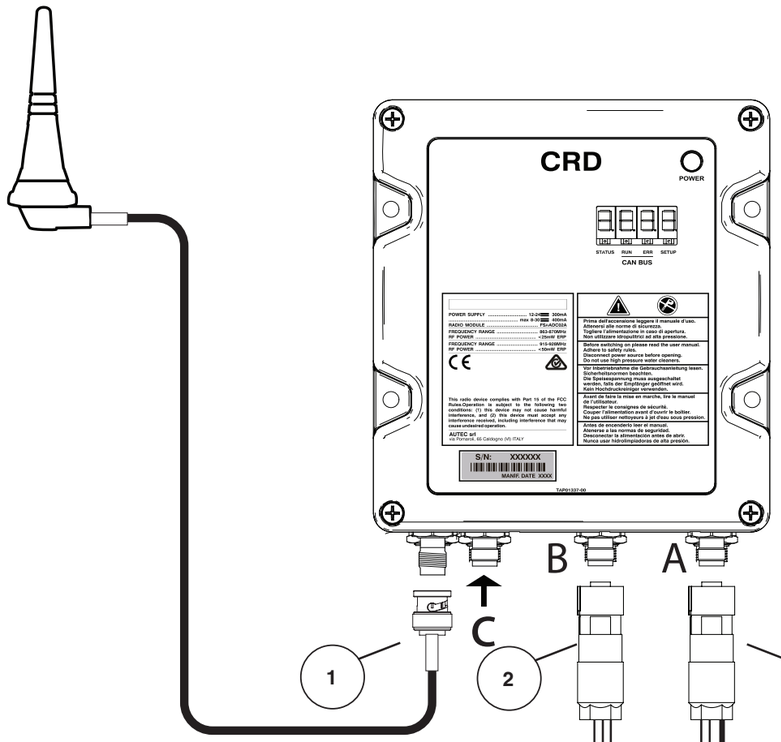




RADIOGRAPHIC REMOTE CONTROL - DJQ03

PRODUCTION 2021 AND UPWARDS

ITEM	PART NR	DESCRIPTION	QTY
1	624350	BNC CONNECTOR	1
2	469888	M12 CONNECTOR - 8WAY - QUICK-CONNECT - FEMALE	1
3	469892	M12 CONNECTOR - 5WAY - QUICK-CONNECT - FEMALE	1
4	412352	TWISTED PAIR	0,7 M
5		ANTENNA - EXTERNAL	1



NOTE: connecter "C" not connected / not in use

Twisted pair

A4 = CANhigh
A5 = CANlow
Data transfer

A4 connected to GP400 P12-1
A5 connected to GP400 P12-2

B1 = E-STOP CIRCUIT
B+ when Enabled (output)
Connected to: TBM terminal #2
Set TBM to ON when receiver is enabled

B2 = E-STOP CIRCUIT
B+ when Enabled (output)
Connected to: GP400 P7-4
Set GP400 to ON when receiver is enabled

A3 = Negative supply (input)
Connected to: Negative terminal strip

A2 = Postive supply (input)

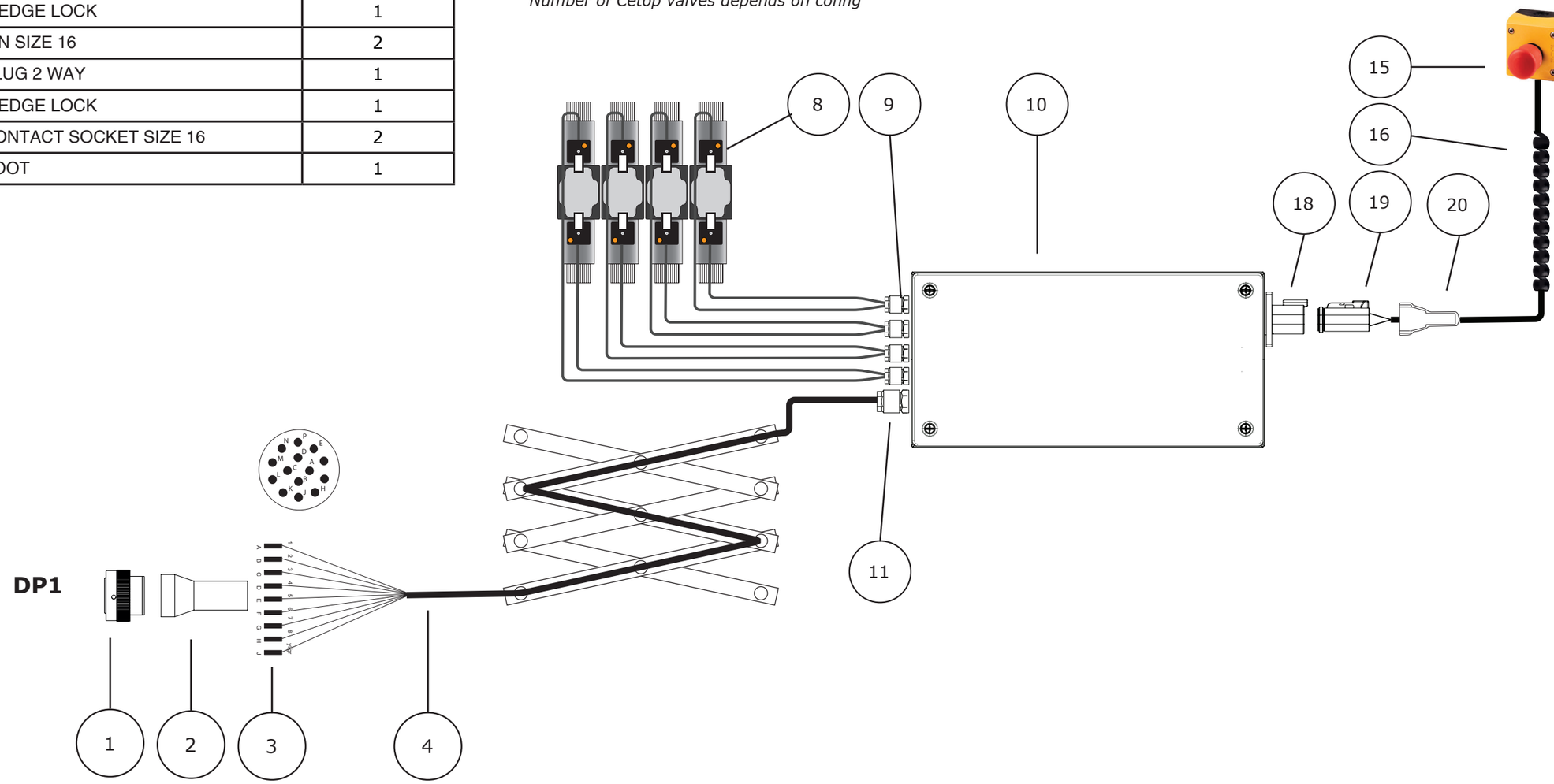
B6 = Postive suppy (input)
A2 & B6 connected to:
Key switch @ base
- Upper control selected provides B+ receiver

DP1 - Harness + Cetop @ Platform Harness

Production up to 2020

ITEM	PART NR	DESCRIPTION	QTY
1	194188	CONNECTOR PLUG 14WAY	1
2	194130	BOOT	1
3	612210	CONTACT SOCKET SIZE 16	9
4	194042	FLEX CABLE - 9CORE	26MTR
8	320428	VALVE PLUG WITH LED - 6 MTR	4 OR 8
9A	350020	CABLE ENTRY M20	4 OR 5
9B	350120	NUT FOR CABLE ENTRY M20	4 OR 5
10	494002	ENCLOSURE	1
11A	350025	CABLE ENTRY M25	1
11B	350125	NUT FOR CABLE ENTRY M25	1
15	610260	E-STOP ASSEMBLY	1
16	440298	SPIRAL CABLE	1
18A	468704	RECETACLE WITH FLANGE	1
18B	126908	WEDGE LOCK	1
18C	194118	PIN SIZE 16	2
19A	126904	PLUG 2 WAY	1
19B	126910	WEDGE LOCK	1
19C	306714	CONTACT SOCKET SIZE 16	2
20	614046	BOOT	1

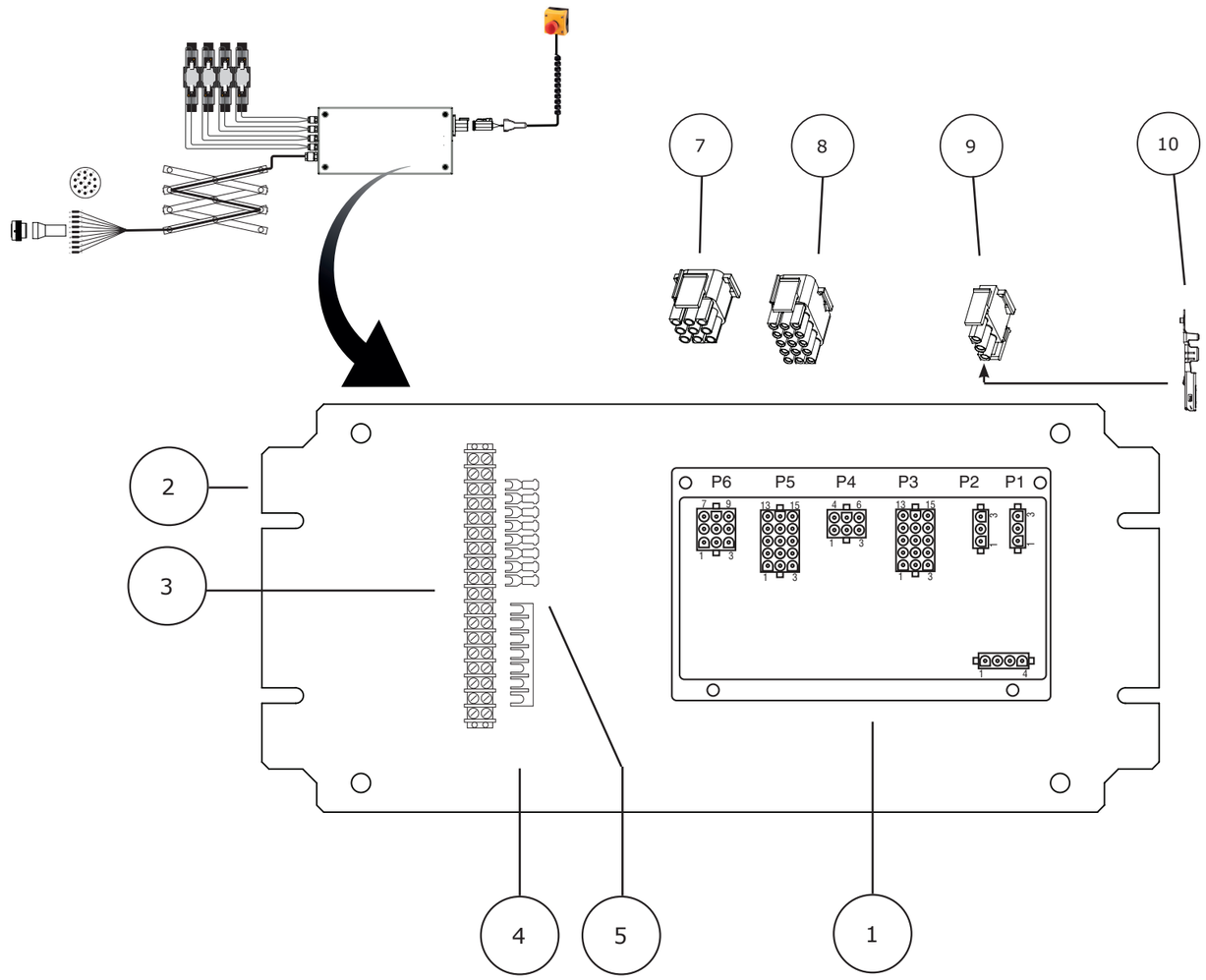
Number of Cetop valves depends on config



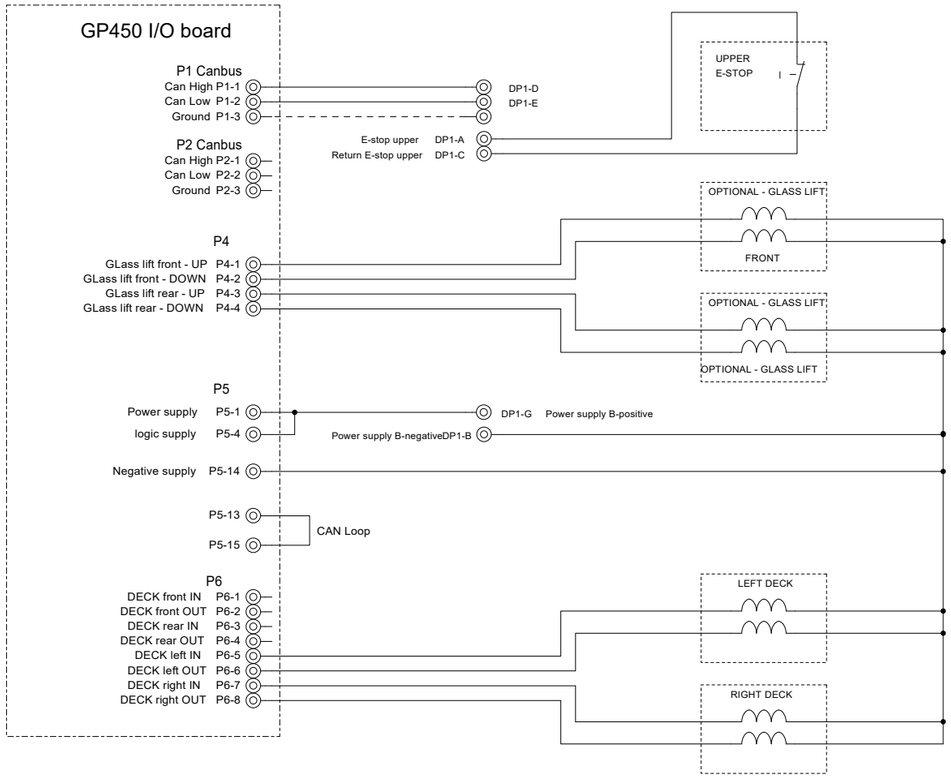
DP1 - Harness + Cetop @ Platform Harness

Production up to 2020

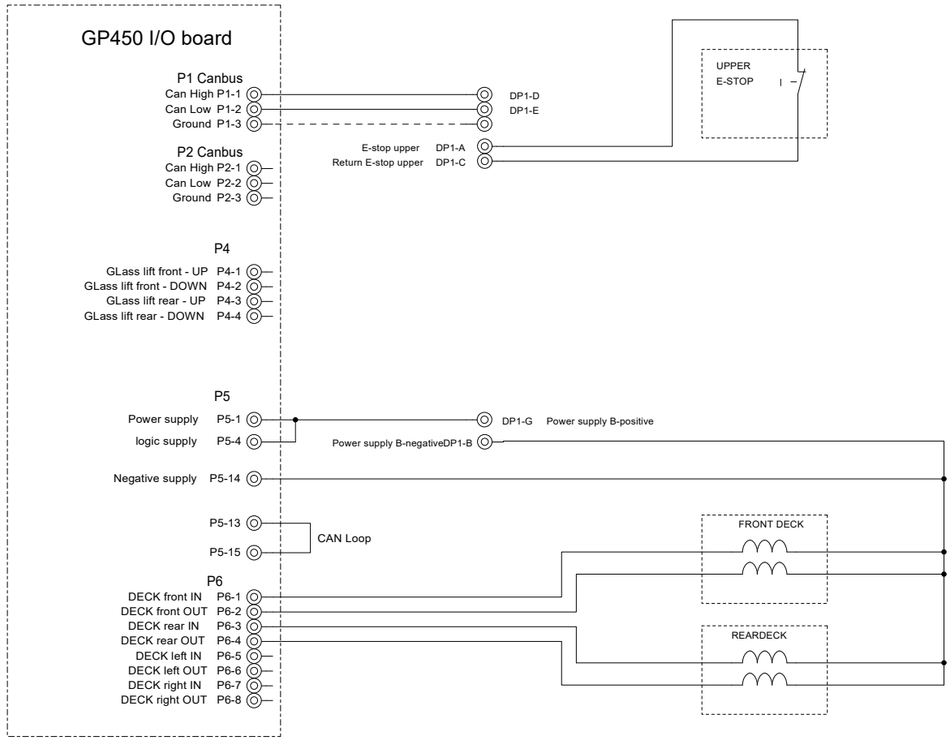
ITEM	PART NR	DESCRIPTION	QTY
1	192450	CONTROL MODULE	1
1	494004	BASE PLATE	1
3	415304	TERMINAL STRIP 18 WAY	1
4	614012	TERMINAL JUMPER	1
5	435696	TERMIINAL SPADE RED	18
7	233134	PLUG HOUSING 9 WAY	1
8	793423	PLUG HOUSING 12 WAY	1
9	743202	PLUG HOUSING 3 WAY	1
10	452423	SOCKET CONTACTS	20



Slide decks - Side / side (optional glass lifts)



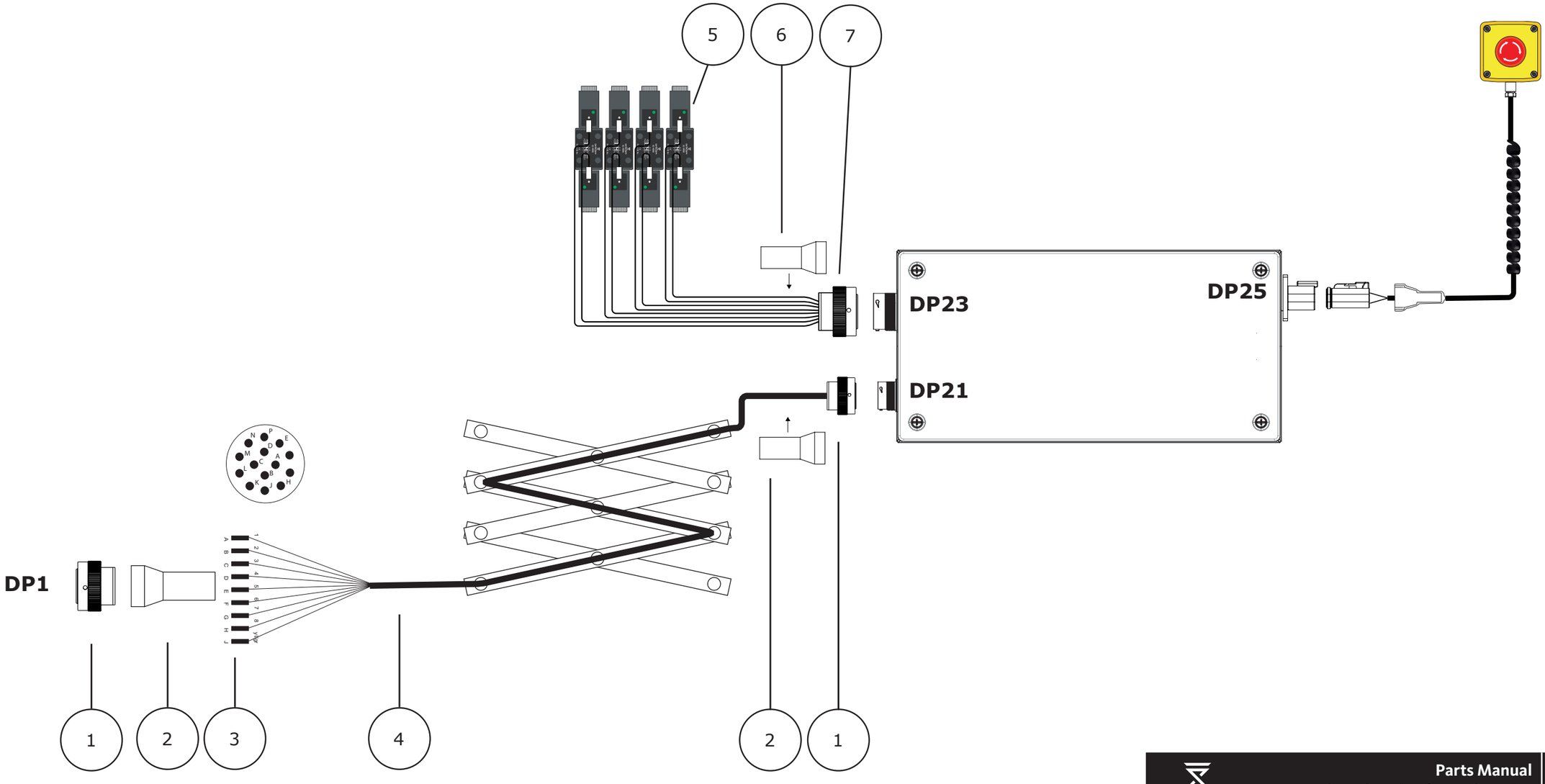
Slide decks - Front / rear



DP1 - Harness + Cetop @ Platform Harness

Production 2021 and Upwards

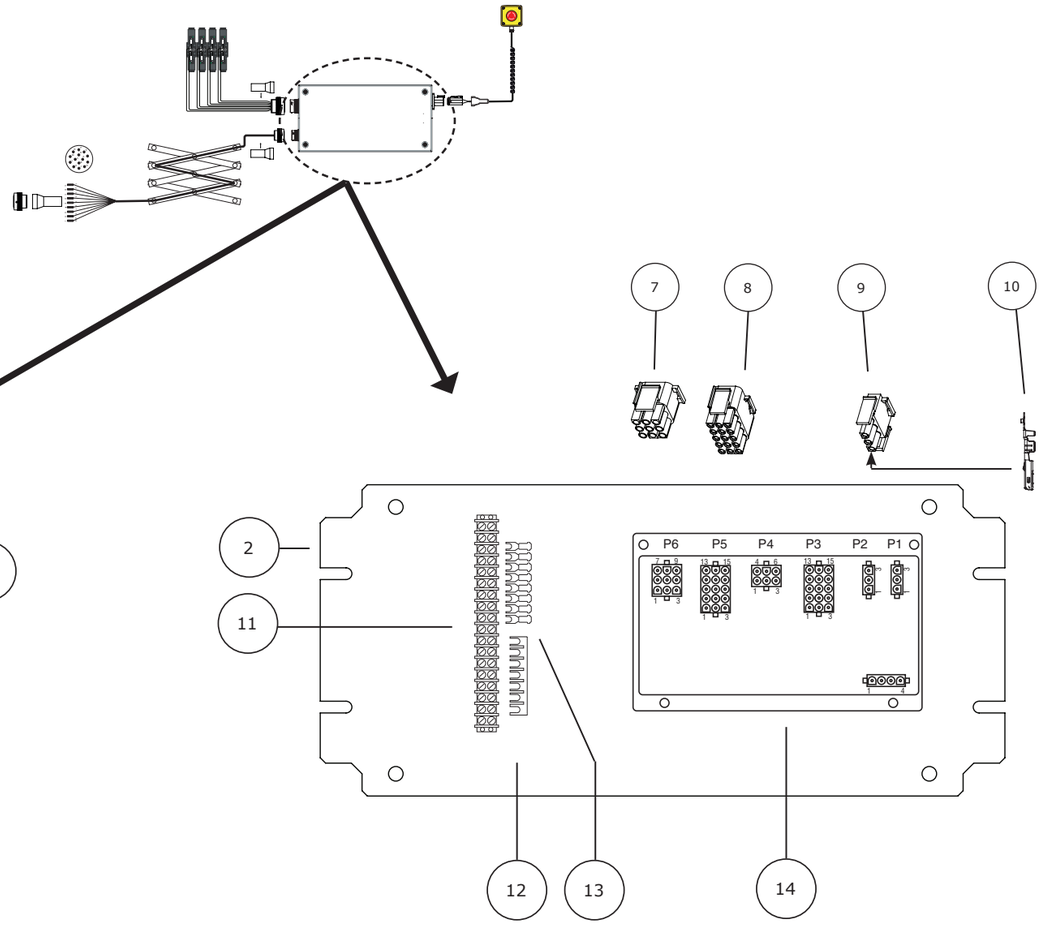
ITEM	PART NR	DESCRIPTION	QTY
1	194188	CONNECTOR PLUG 14WAY	2
2	194130	BOOT	2
3	306714	CONTACT SOCKET SIZE 16	22
4	194042	FLEX CABLE - 9CORE	26MTR
5	320428	VALVE PLUG WITH LED - 6 MTR	4 OR 8
6	612208	BOOT	1
7	118014	CONNECTOR PLUG - 31 WAY	1



DP1 - Harness + Cetop @ Platform Harness

Production 2021 and Upwards

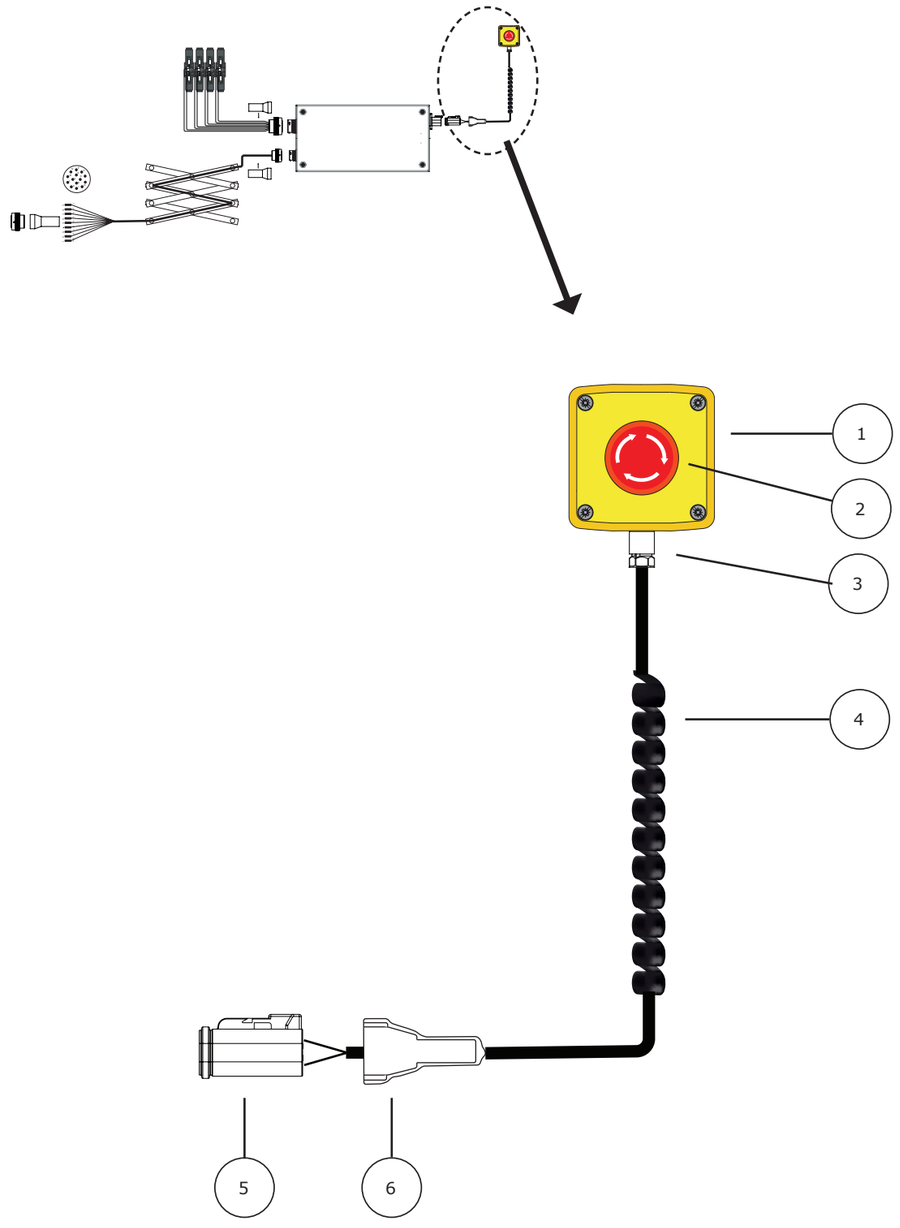
ITEM	PART NR	DESCRIPTION	QTY
--	**450450**	**UPPER CONTROL BOX ASSEMBLY**	**1**
1	494002	ENCLOSURE	1
2	494004	BASE PLATE	1
3A	194122	CONNECTOR HOUSING - 31 WAY	1
3B	194114	LOCKING NUT - SIZE 24	1
3C	194116	LOCKING WASHER - SIZE 24	1
4A	468376	CONNECTOR HOUSING - 14 WAY	1
4B	126844	LOCKING NUT - SIZE 14	1
4C	518346	WASHER - SIZE 14	1
5A	468704	RECEPTACLE WITH FLANGE	1
5B	126908	WEDGE LOCK	1
3D, 4D, 5D	500226	PIN - SIZE 16	32
7	233134	PLUG HOUSING 9 WAY	1
8	793423	PLUG HOUSING 12 WAY	1
9	743202	PLUG HOUSING 3 WAY	1
10	452423	SOCKET CONTACTS	20
11	415304	TERMINAL STRIP 18 WAY	1
12	614012	TERMINAL JUMPER	1
13	435696	TERMIINAL SPADE RED	18
14	192450	CONTROL MODULE	1
15	215006	LED GREEN	1

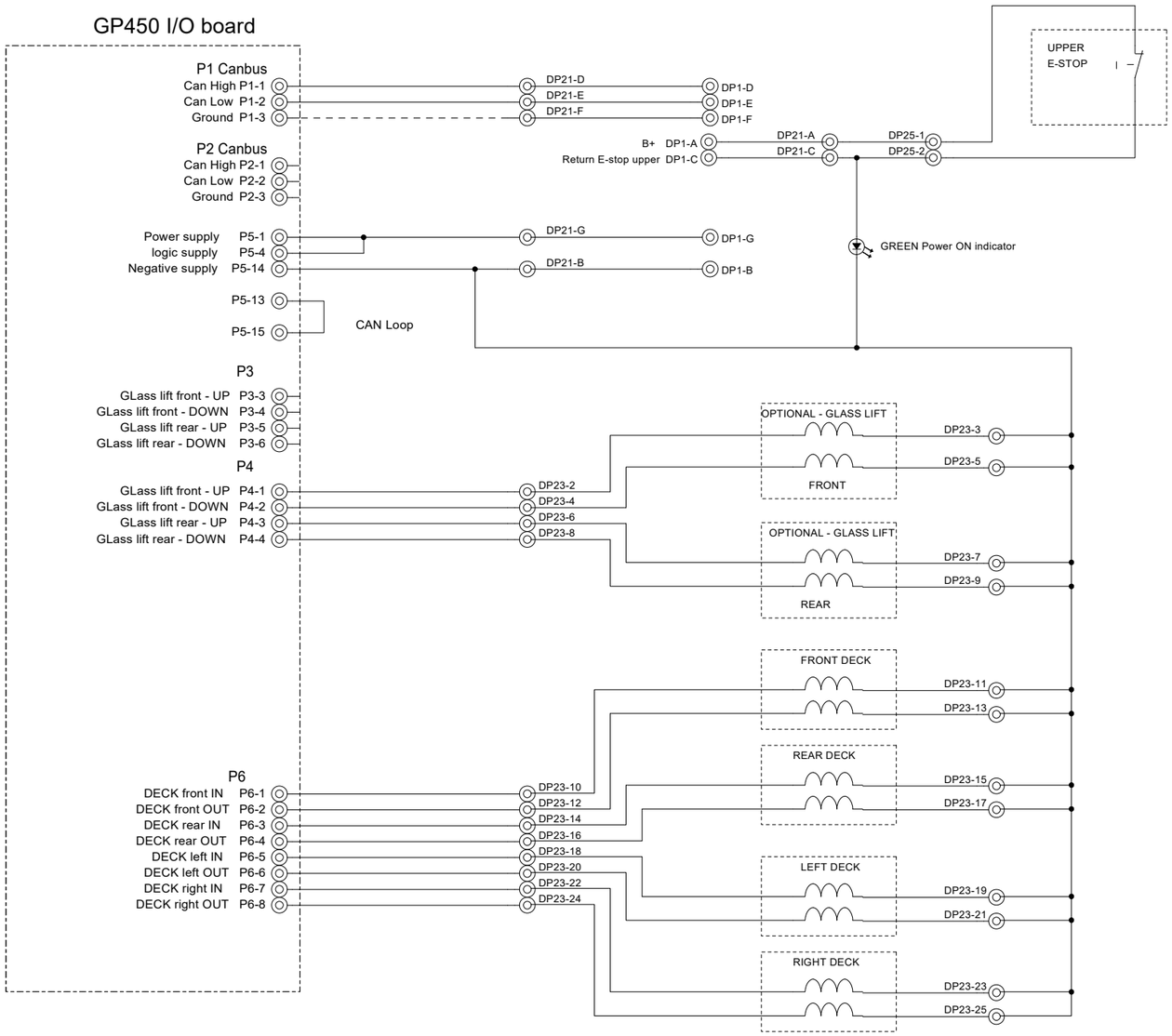


DP1 - Harness + Cetop @ Platform Harness

Production 2021 and Upwards

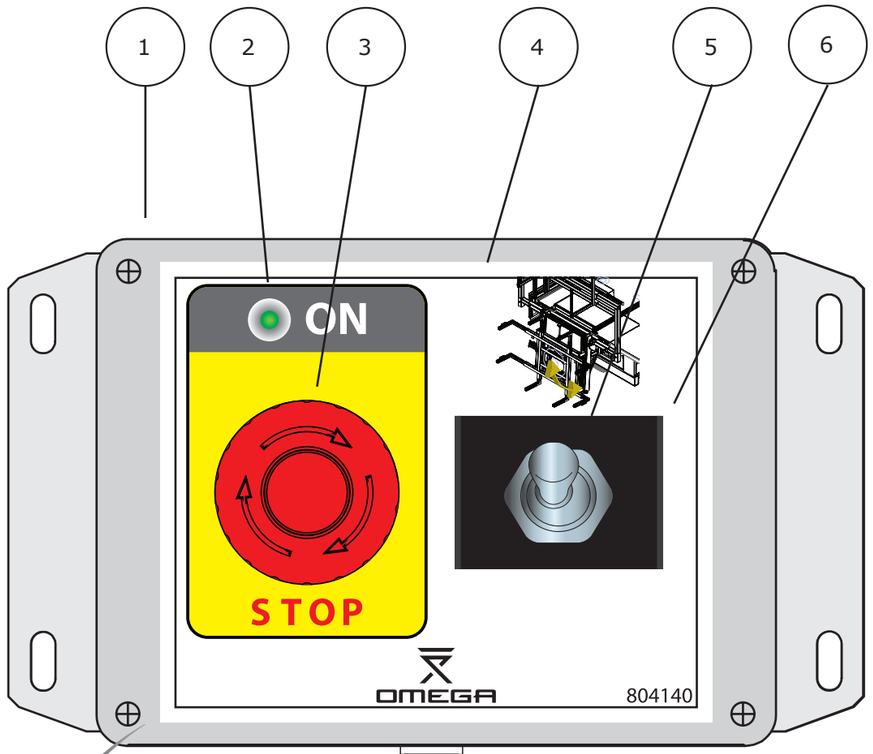
ITEM	PART NR	DESCRIPTION	QTY
--			
1	744544	ENCLOSURE	1
2A	744548	E-STOP - TWIST TO RESET	1
2B	744546	FIXING FLANGE	1
2C	130332	CONTACT BLOCK NC	1
3		CABLE ENTRY PLUG	1
4	440298	SPIRAL CABLE	1
5A	614044	PLUG 2 WAY	1
5B	126910	WEDGE LOCK	1
5C	306714	CONTACT SOCKET SIZE 16	2
6	614046	BOOT	1

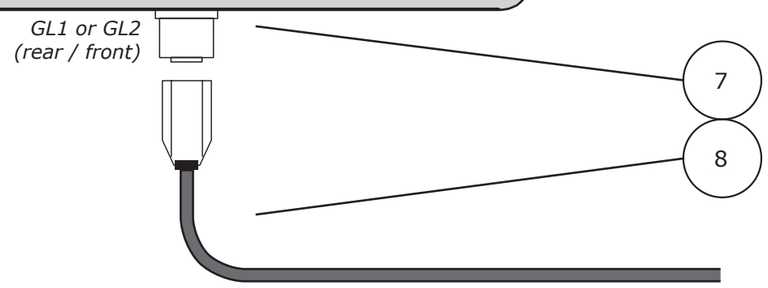


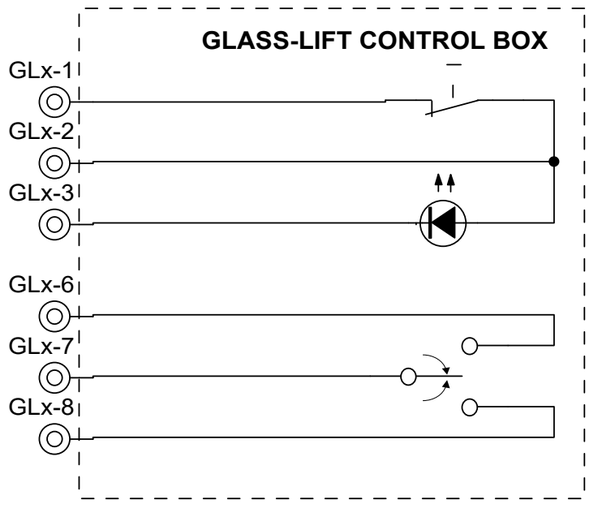

GP450 I/O board
P1 Canbus
Can High P1-1
Can Low P1-2
Ground P1-3
P2 Canbus
Can High P2-1
Can Low P2-2
Ground P2-3
Power supply P5-1
logic supply P5-4
Negative supply P5-14
P5-13
P5-15
CAN Loop
P3
GLass lift front - UP P3-3
GLass lift front - DOWN P3-4
GLass lift rear - UP P3-5
GLass lift rear - DOWN P3-6
P4
GLass lift front - UP P4-1
GLass lift front - DOWN P4-2
GLass lift rear - UP P4-3
GLass lift rear - DOWN P4-4
P6
DECK front IN P6-1
DECK front OUT P6-2
DECK rear IN P6-3
DECK rear OUT P6-4
DECK left IN P6-5
DECK left OUT P6-6
DECK right IN P6-7
DECK right OUT P6-8
DP21-D
DP21-E
DP21-F
DP1-D
DP1-E
DP1-F
B+ DP1-A
Return E-stop upper DP1-C
DP21-A
DP21-C
DP25-1
DP25-2
UPPER
E-STOP
DP21-G
DP1-G
DP21-B
DP1-B
GREEN Power ON indicator
OPTIONAL - GLASS LIFT
FRONT
DP23-3
DP23-5
DP23-2
DP23-4
DP23-6
DP23-8
OPTIONAL - GLASS LIFT
REAR
DP23-7
DP23-9
FRONT DECK
DP23-11
DP23-13
REAR DECK
DP23-15
DP23-17
LEFT DECK
DP23-19
DP23-21
RIGHT DECK
DP23-23
DP23-25
DP23-10
DP23-12
DP23-14
DP23-16
DP23-18
DP23-20
DP23-22
DP23-24

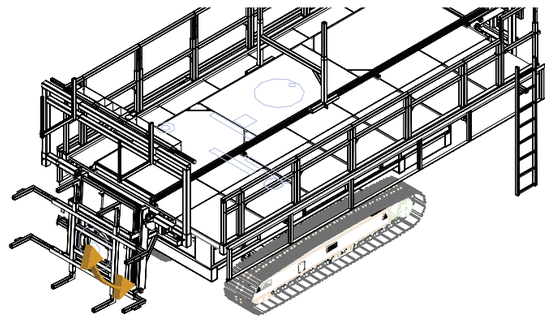
Opt.: additional Control Panel for Glass-lifts

ITEM	PART NR	DESCRIPTION	QTY
1	469772	ENCLOSURE	1
2	469976	LED - GREEN (POWER ON INDICATOR)	1
3	458474	EMER STOP	1
4	804140	DECAL	1
5	120050	TOGGLE SWITCH 3-POS	1
6	324276	SWITCH GUARD	1
7	469986	M12 FLANGE MOUNT CONNECTOR 8P	1
8	469980	M12 CABLE ASSEMBLY 5MTR	1

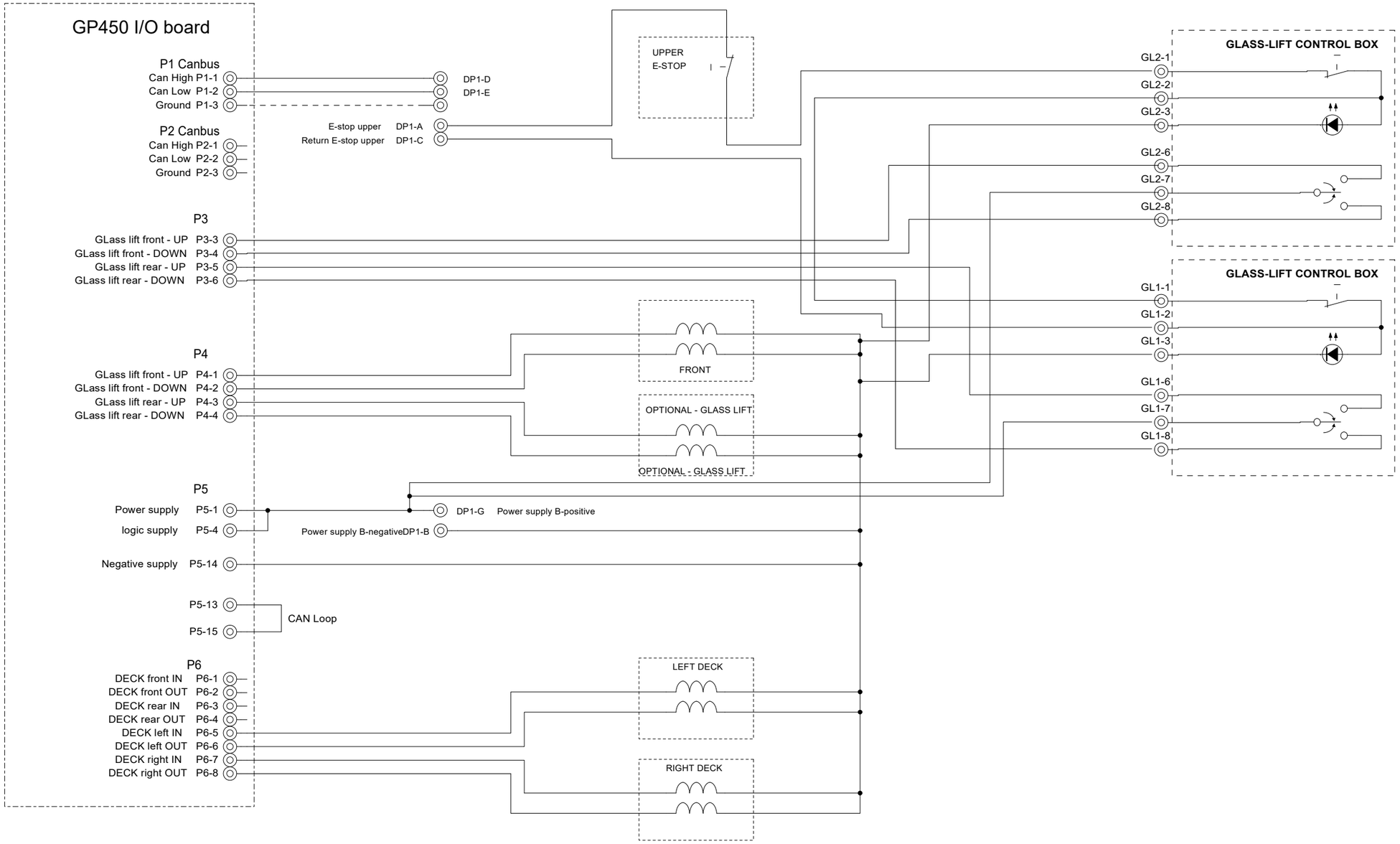






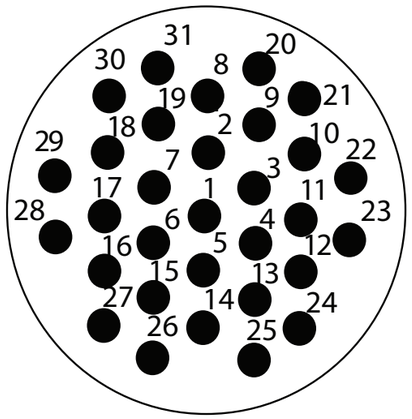


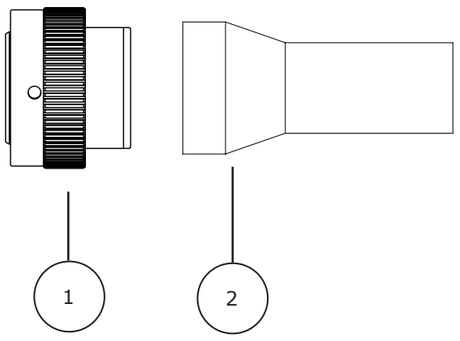
Opt.: additional Control Panel for Glass-lifts

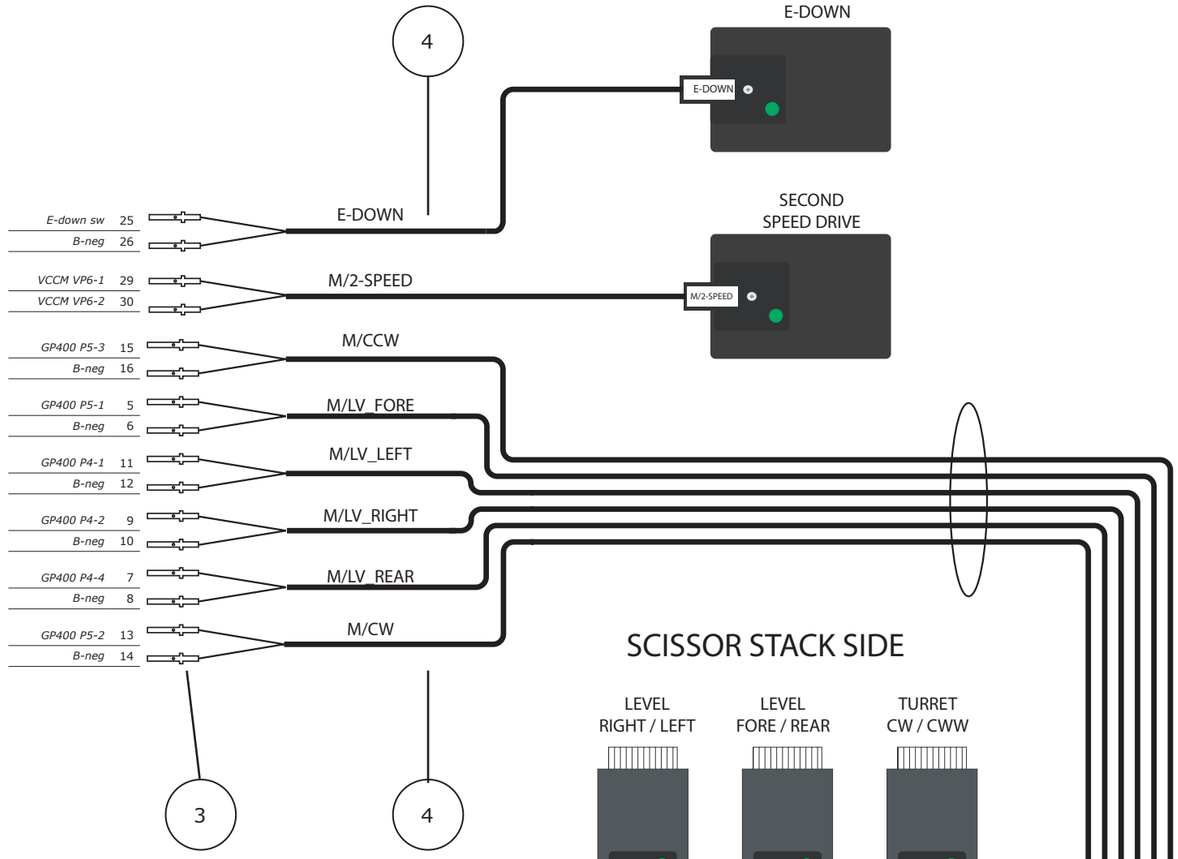


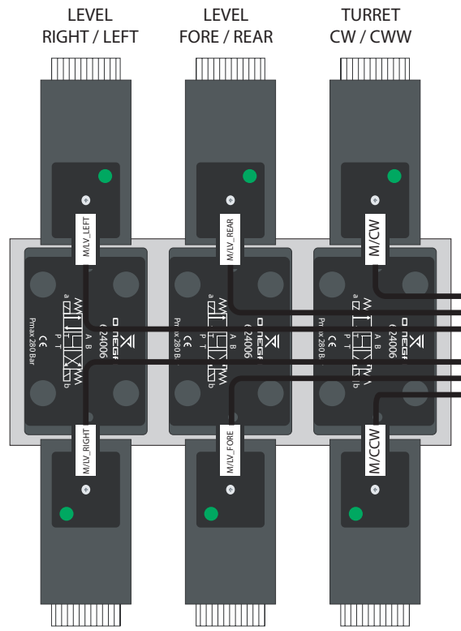
DP2 - Cable Assembly - Hydr Manifold

ITEM	PART NR	DESCRIPTION	QTY
1	118014	PLUG CONNECTOR 31 WAY	1
2	612208	BOOT PLUG	1
3	306714	SOCKET - SIZE 16 - 2 MMQ	16
4	320428	VALVE PLUG WITH LED -CABLE 3X1 MMQ - 6 M	8





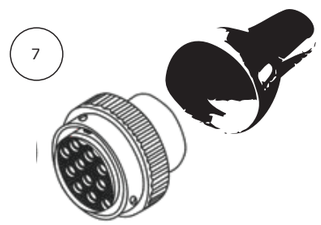


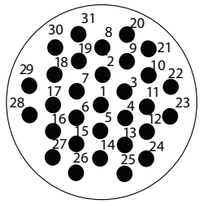


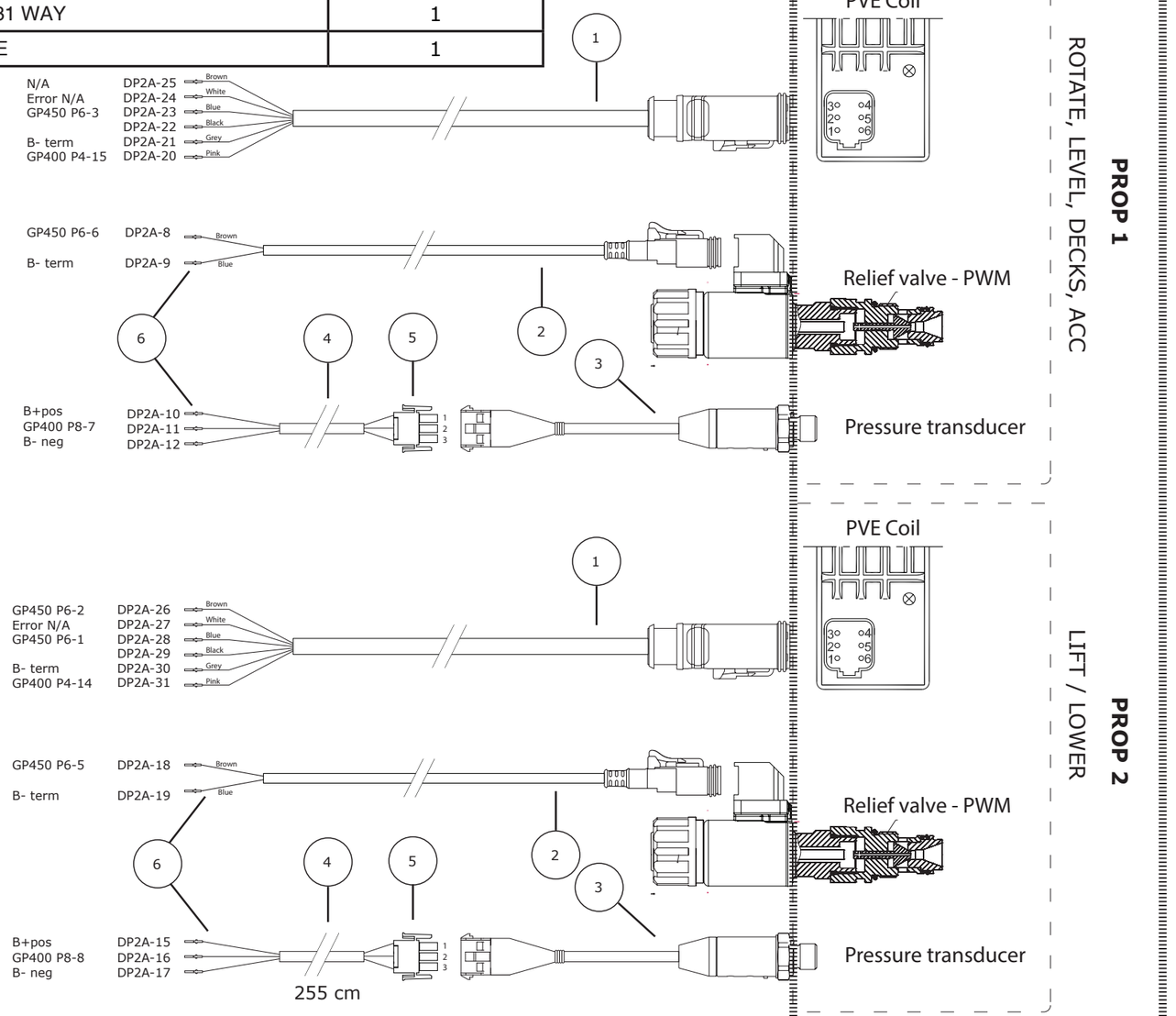
DP2A - Cable Assembly - PVG prop manifold

Production 2018 and Upwards

ITEM	PART NR	DESCRIPTION	QTY
1	435782	CABLE ASSY WITH PLUG DT6-06S	2
2	435780	CABLE ASSEMBLY 3 MTR - WITH CONNECTOR DT06-2S	2
3	146031	PRESSURE TRANSDUCER	2
4		CABLE FLEX 3X1MMQ	2MTR
5	743202	PLUG HOUSING 3 WAY	2
6	194118	SOCKET CONTACT	6
7	244012	CONNECTOR 31 WAY	1
7A	612208	CABLE SLEEVE	1







PROP 1

PVE:

1 = PWM A	NOT USED
2 = ERROR	
3 = PWM B	10%-80% BAT VOL -> ALL FUNCTIONS
4 = N/A	
5 = B NEGATIVE	
6 = B POSITIVE	SWITCHED

PRESSURE PWM CONTROL VALVE:

1 = 0 - 12VDC	0 V = 0 BAR / 12V = 250 BAR
2 = B NEGATIVE	

PRESSURE TRANSDUCER:

1 = B POSITIVE	12V AT POWER UP
2 = 0,5 - 4,5V	0,5V = 0 BAR / 4,5 BAR = 250 BAR
3 = B NEGATIVE	

PROP 2

PVE:

1 = PWM A	10%-80% BAT VOL -> LOWERING
2 = ERROR	
3 = PWM B	10%-80% BAT VOL -> LIFTING
4 = N/A	
5 = B NEGATIVE	
6 = B POSITIVE	SWITCHED

PRESSURE PWM CONTROL VALVE:

1 = 0 - 12VDC	0 V = 0 BAR / 12V = 250 BAR
2 = B NEGATIVE	

PRESSURE TRANSDUCER:

1 = B POSITIVE	12V AT POWER UP
2 = 0,5 - 4,5V	0,5V = 0 BAR / 4,5 BAR = 250 BAR
3 = B NEGATIVE	

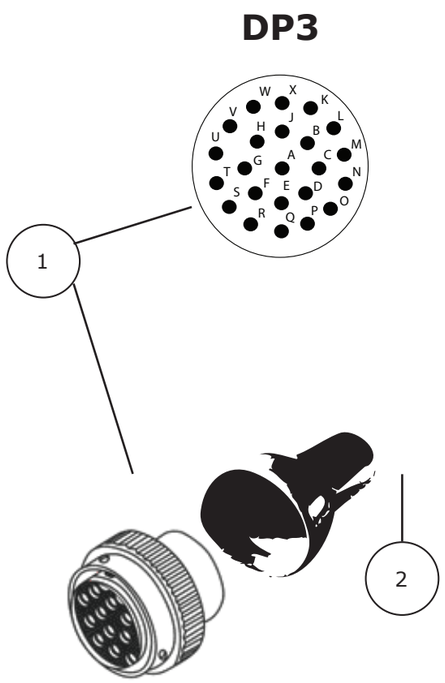
DT6-6S WIRE CONFIG:

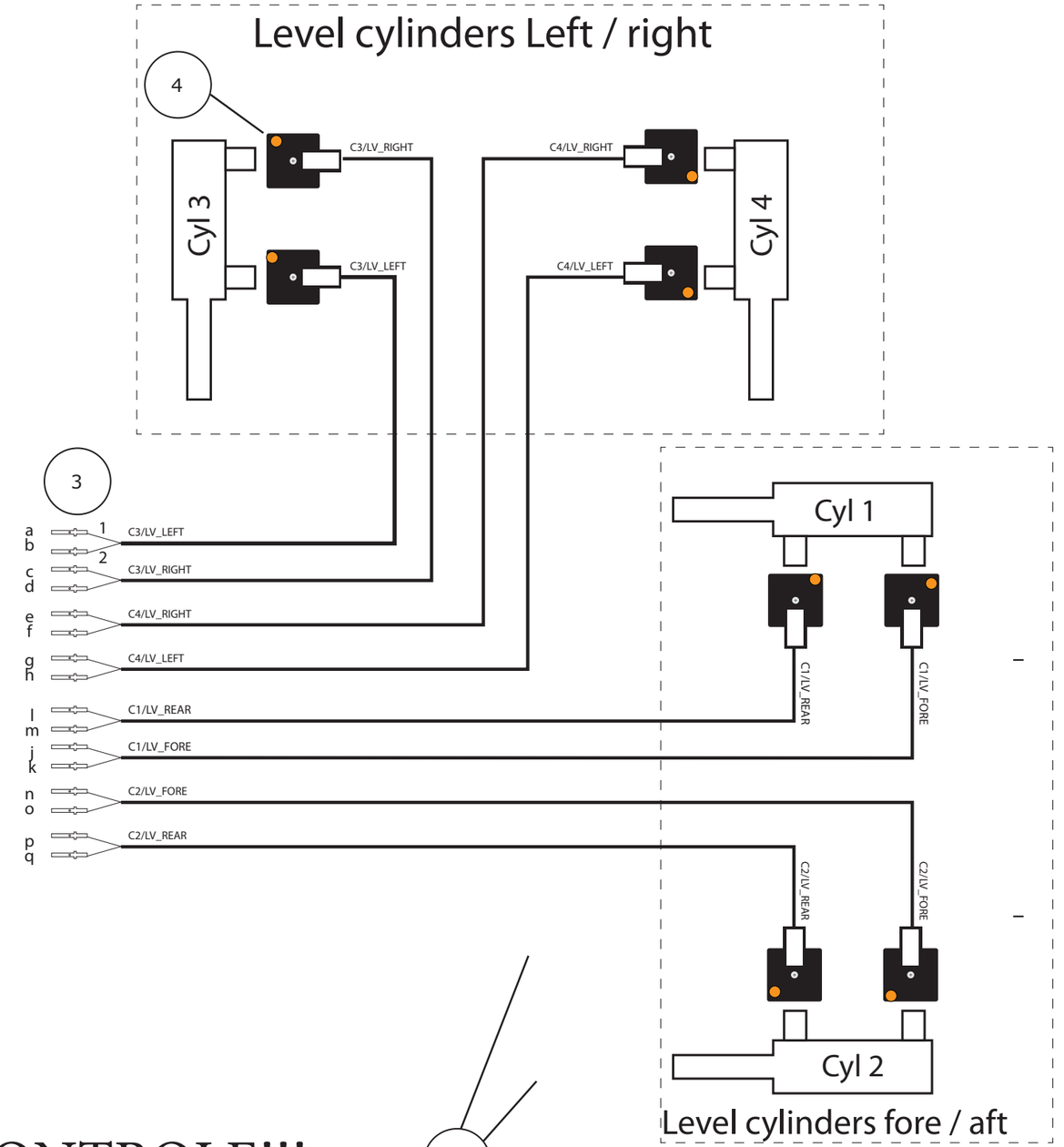


Cable assembly - lower control box - Level cyl

From serial nr 164305

ITEM	PART NR	DESCRIPTION	QTY
1	468368	PLUG CONNECTOR 23 WAY	1
1	612208	BOOT	1
3	306714	SOCKET SIZE 16 - 2 MMQ	22
4	320428	VALVE PLUG WITH LED -CABLE 3X1 MMQ - 6 MTR	8
5	320432	VALVE PLUG - 4X0,75 MMQ - 5 MTR	2
6A	320506	NAME PLATE FOR VALVE CONNECTOR	10
6B	320504	CABLE SLEEVE	10
6C	320508	NAME PLATE FOR CABLE SLEEVE	10

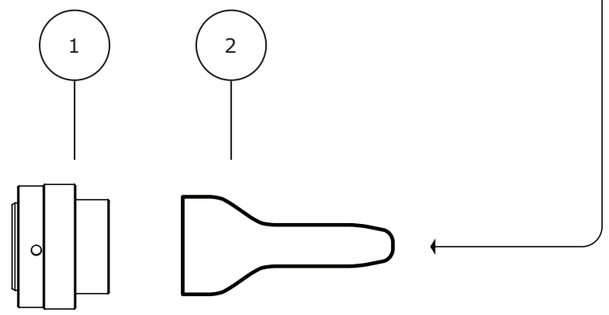


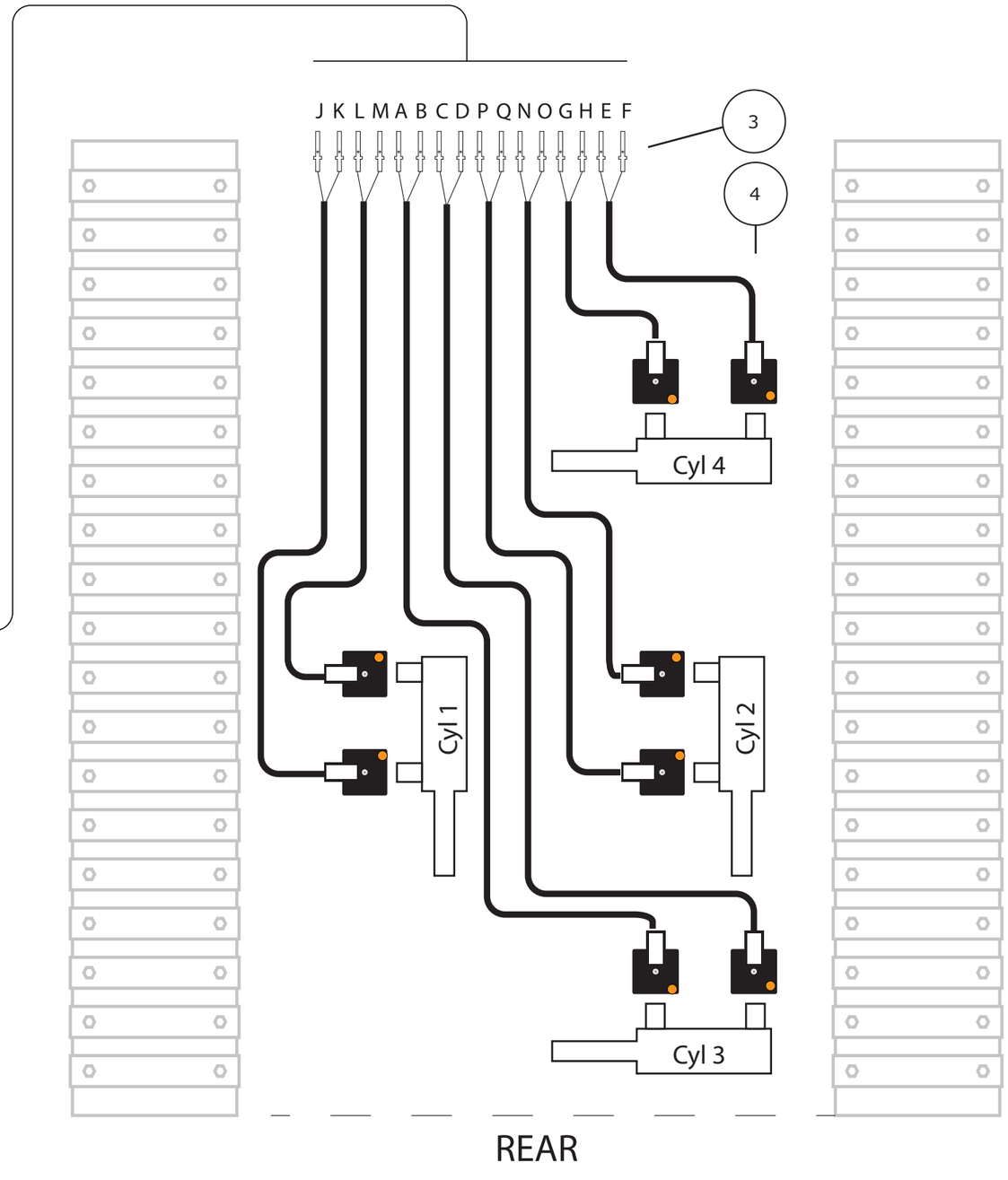


CONTROLE!!!

DP3 - Cable Assembly Level cyl

ITEM	PART NR	DESCRIPTION	QTY
1	468368	PLUG CONNECTOR 23 WAY	1
2	612208	BOOT	1
3	306714	SOCKET CONTACT SIZE 16	16
4	320428	VALVE PLUG WITH LED	8

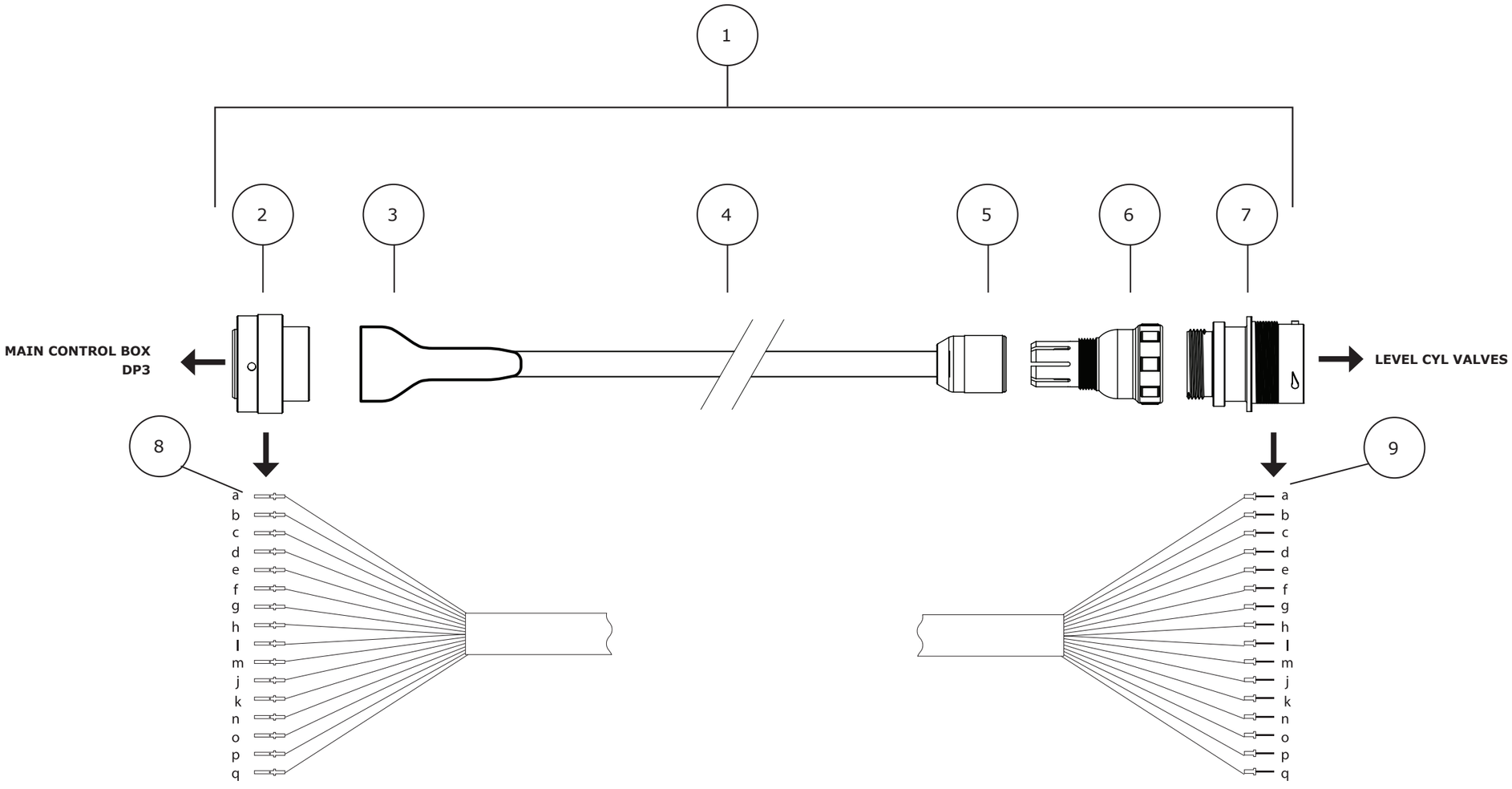




DP3 - Cable extension Cable assembly

From serial nr 184301

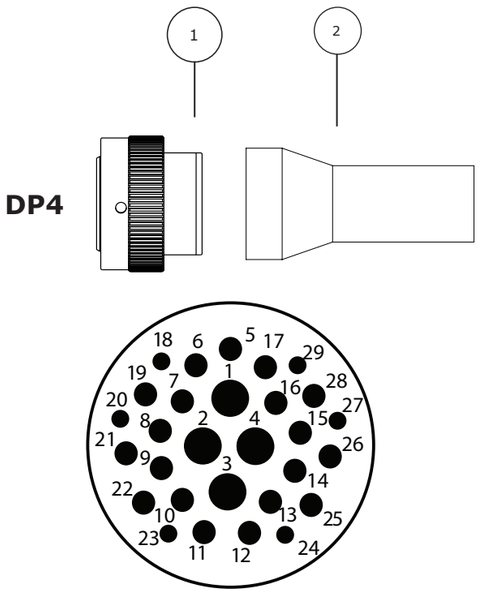
ITEM	PART NR	DESCRIPTION	QTY
1	459140	CABLE ASSEMBLY	1
2	468368	PLUG CONNECTOR 23 WAY	1
3	612208	BOOT	1
4	475710	CABLE FLEX 16 CORE	XXX MTR
5	446146	BACKSHELL COMPRESSOR	1
6	446144	BACKSHELL	1
7	446142	CONNECTOR 23WAY - INLINE	1
8	306714	SOCKET CONTACT SIZE 16	16
9	194118	PIN CONTACT SIZE 16	16



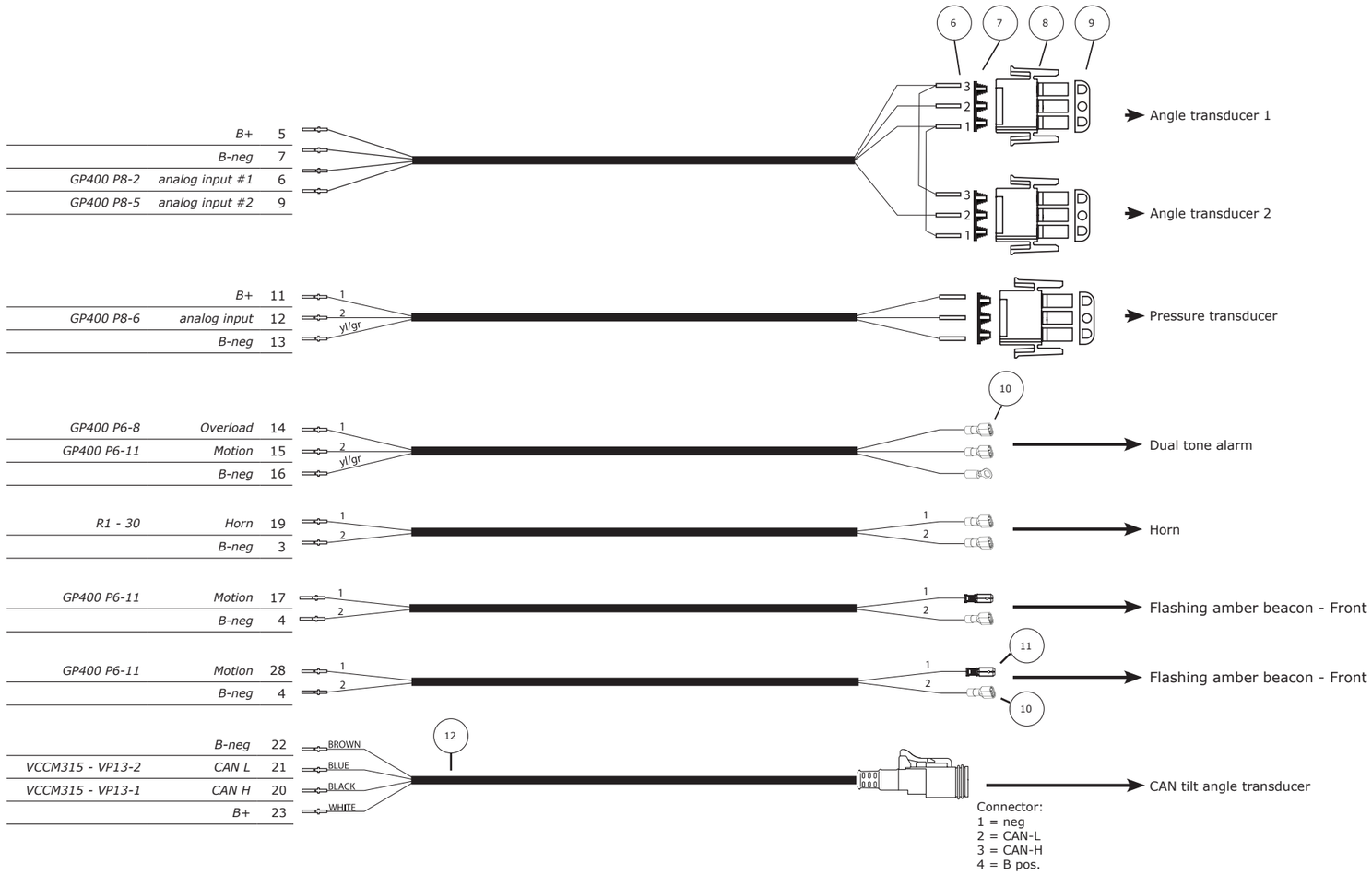
ITEM	PART NR	DESCRIPTION	QTY
--	805400	**CABLE ASSEMBLY DP4**	**1**
1	612206	PLUG CONNECTOR 29 WAY	1
2	612208	BOOT FOR PLUG	1
4	612210	SOCKET - SIZE 16 - 1 MMQ	8
5	126806	RING TERMINAL M5	3
6	452423	CRIMP SOCKET	9
7	126012	WIRE SEAL	3
8	743202	PLUG HOUSING 3 WAY	3
9	126014	INTERFACE SEAL	3
10	126800	FASTON TERMINAL	6
11	302196	TONG TERMINAL	2
12	435784	CABLE ASSEMBLY DT06-4S	1
13	500226	PIN CONTACT SIZE 16	2
14	468702	PLUG RECEPTACLE 2 WAY	1
15	126908	WEDGE LOCK	1

SOCKETS

DP4-#	PART NR	DESCRIPTION	QTY
1,2,3,4	126848	SOCKET - SIZE 12	2
5,6,7,8,9,10 11,12,13,14 15,16,17,19, 21,22,25,26	612210	SOCKET - SIZE 16	18
18,20,23,24 27,28	194288	SOCKET - SIZE 20	7



DP4 - Cable Assembly - Base comp.

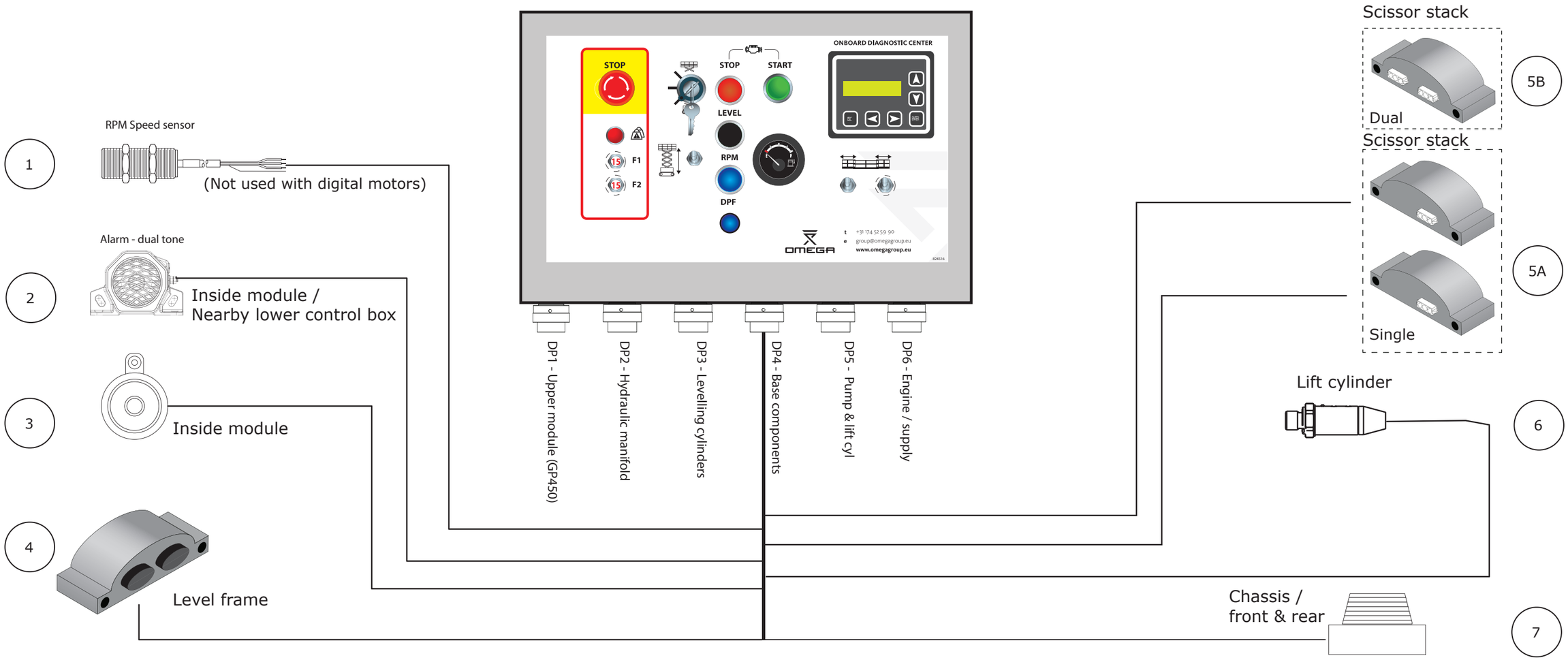


Overview Base component - DP4 Connections

Production up to 2020

ITEM	PART NR	DESCRIPTION	QTY
1	360178	RPM SENSOR, MAGNETIC - HALL EFFECT	1
2	120402	ALARM DUAL TONE	1
3	610178	HORN - 12 V	1
4	208116	CAN TILT	1
5A	604665	ANGLE TRANSDUCER - SINGLE (A)	2
5B	472052	ANGLE TRANSDUCER DUAL (A)	1
6	146031	PRESSURE TRANSDUCER	1
7	174198	FLASHING AMBER BEACON	2

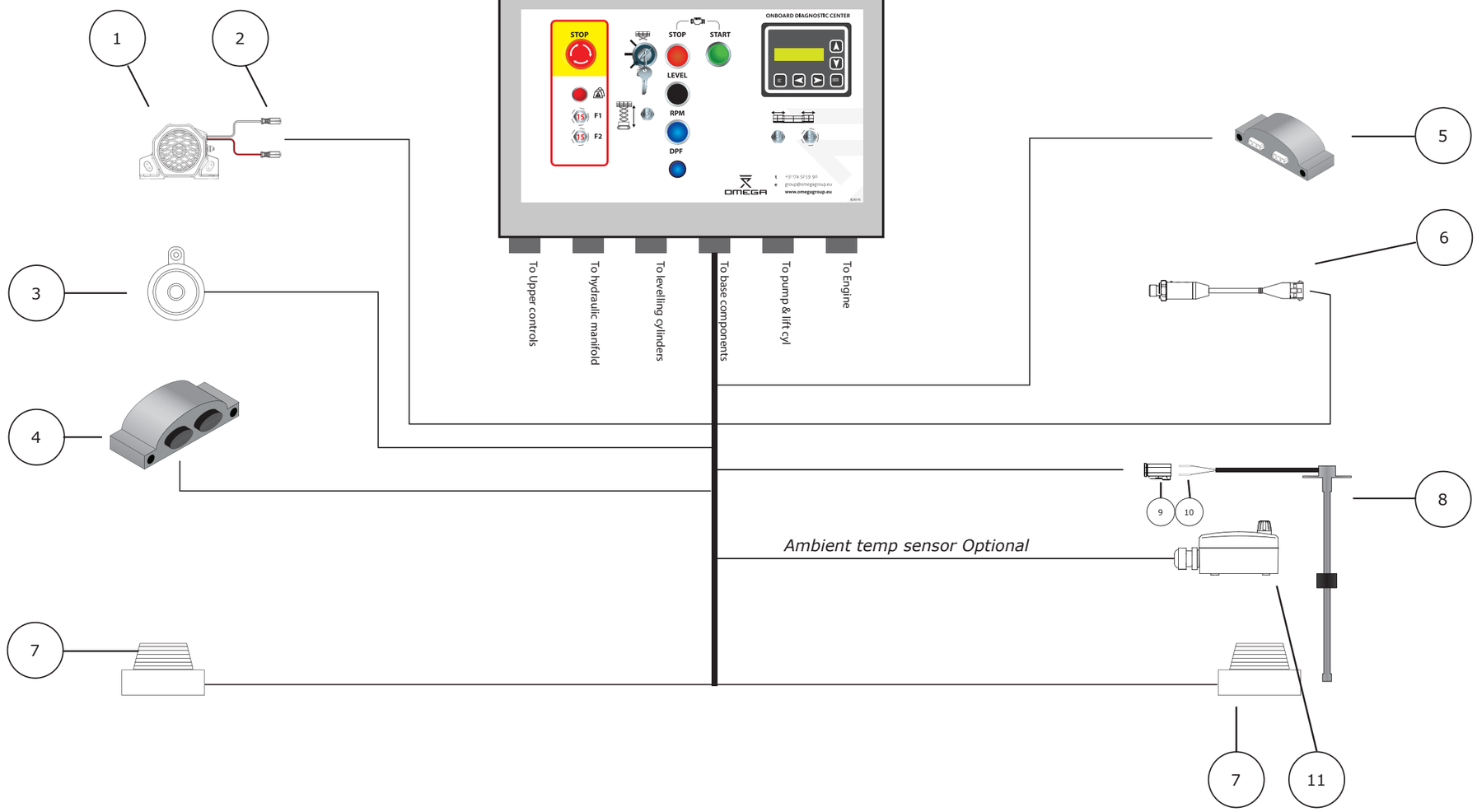
(A) Dual angle transducer from serial nummer 192601



Overview Base component - DP4 Connections

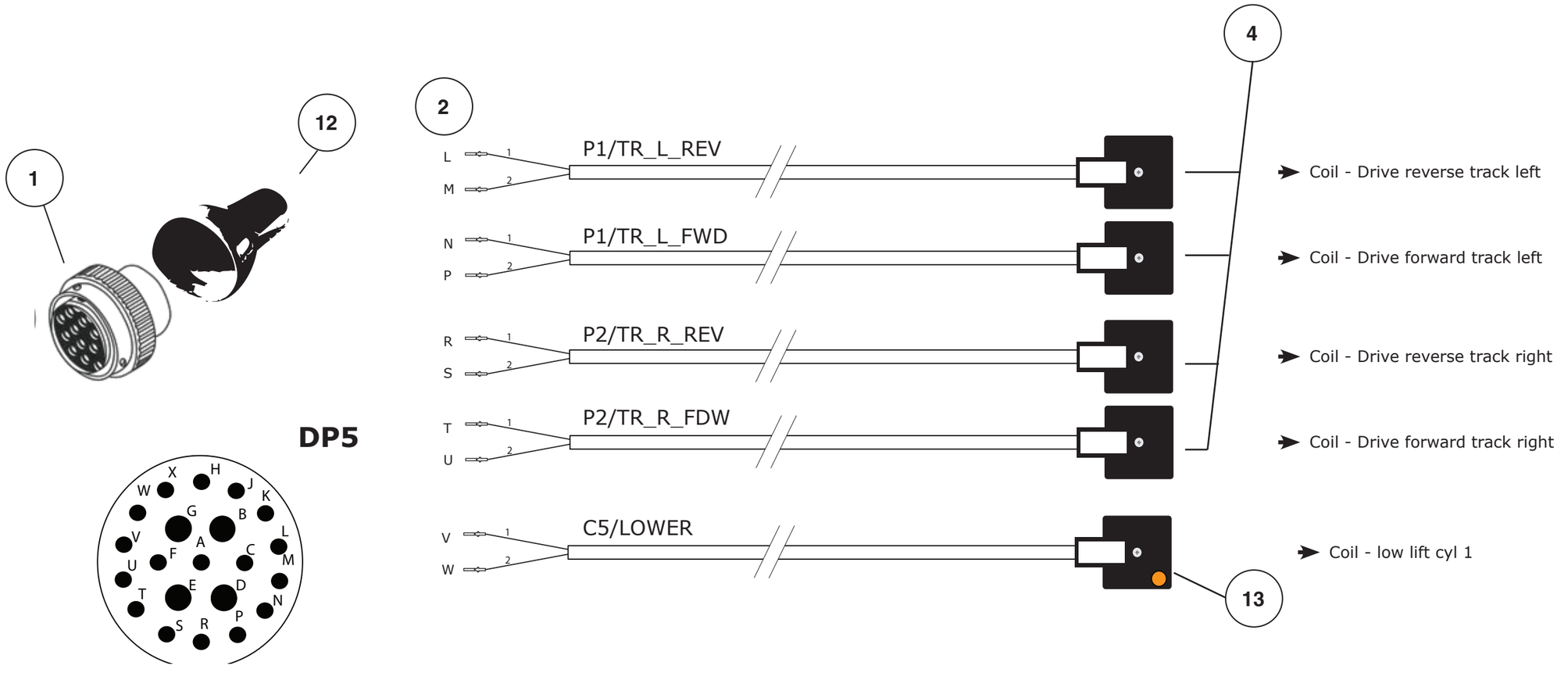
Production 2021 and Upwards

ITEM	PART NR	DESCRIPTION	QTY
--	**805408**	**BASE COMPONENTS KIT - DP4 - CONTENT DEPENDS ON MACHINE CONFIG**	**1**
1	120402	ALARM DUAL TONE	1
2	302196	TERMINAL - TONG	2
3	610178	HORN - 12 V	1
4	208116	CAN TILT	1
5	472052	ANGLE TRANSDUCER	2
6	146031	PRESSURE TRANSDUCER	1
7	306136	FLASHING AMBER BEACON	2
8		FUEL LEVEL METER	1
9A	614044	PLUG 2 WAY	1
9B	126910	WEDGE LOCK	1
10	612210	SOCKET - SIZE 16	2



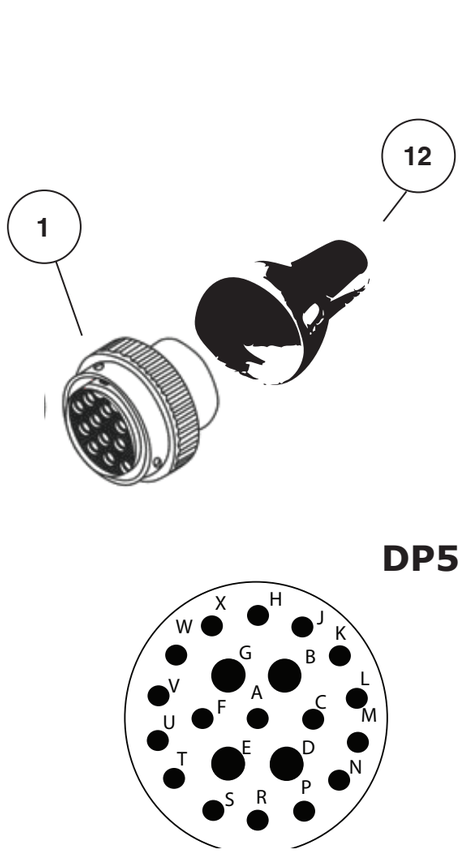
From serial nr 164305

ITEM	PART NR	DESCRIPTION	QTY
1	460144	PLUG CONNECTOR 21 WAY	1
2	306714	SOCKET - SIZE 16 - 2 MMQ	11
4	320436	VALVE PLUG NO LED	4
12	612208	CABLE SLEEVE	1
13	320428	VALVE PLUG WITH LED -CABLE 3X1 MMQ - 6 MTR	1



With Danfoss MP1 pump section

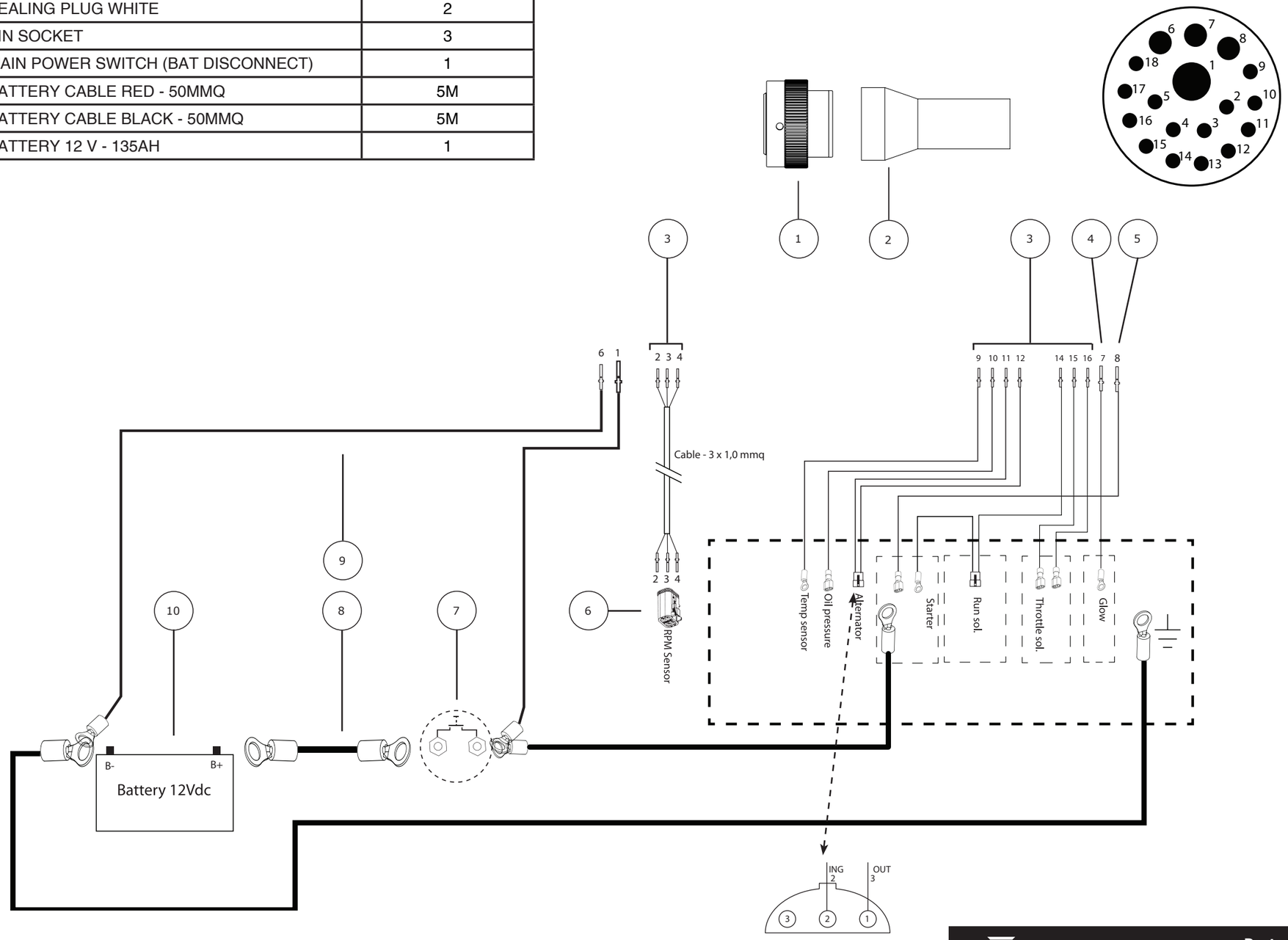
ITEM	PART NR	DESCRIPTION	QTY
1	460144	PLUG CONNECTOR 21 WAY	1
2	306714	SOCKET - SIZE 16 - 2 MMQ	11
4	435780	CABLE ASSEMBLY 3 MTR - W/ CON DT06-2S	4
12	612208	CABLE SLEEVE	1
13	320428	VALVE PLUG WITH LED -CABLE 3X1 MMQ - 6 MTR	1



DP6 - Harness - Engine - Battery

Production up to 2017

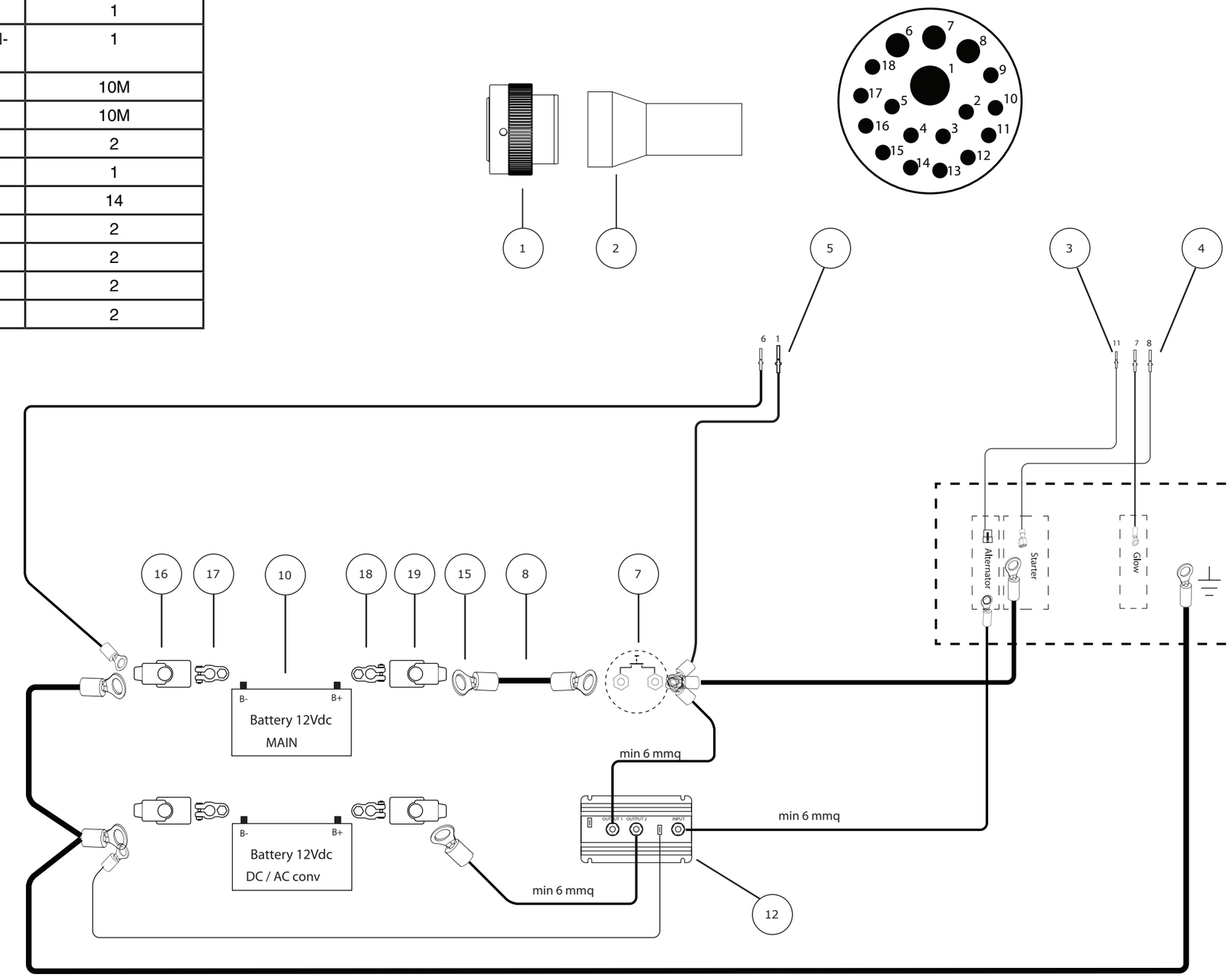
ITEM	PART NR	DESCRIPTION	QTY
1	215016	CONNECTOR, PLUG 18 POLE	1
2	612208	BOOT FOR PLUG	1
3	306714	SOCKET - SIZE 16	13
4	126848	SOCKET - SIZE 12 - 3 MMQ	3
5	194132	SOCKET - SIZE 8 - 5 MMQ	1
6A	500242	PLUG 4 WAY	1
6B	612322	WEDGELOCK 4P	1
6C	518330	SEALING PLUG WHITE	2
6D	306716	PIN SOCKET	3
7	612236	MAIN POWER SWITCH (BAT DISCONNECT)	1
8	215022	BATTERY CABLE RED - 50MMQ	5M
9	114904	BATTERY CABLE BLACK - 50MMQ	5M
10	487014	BATTERY 12 V - 135AH	1



DP6 - Harness - Engine - Battery

Production 2018 and Upwards

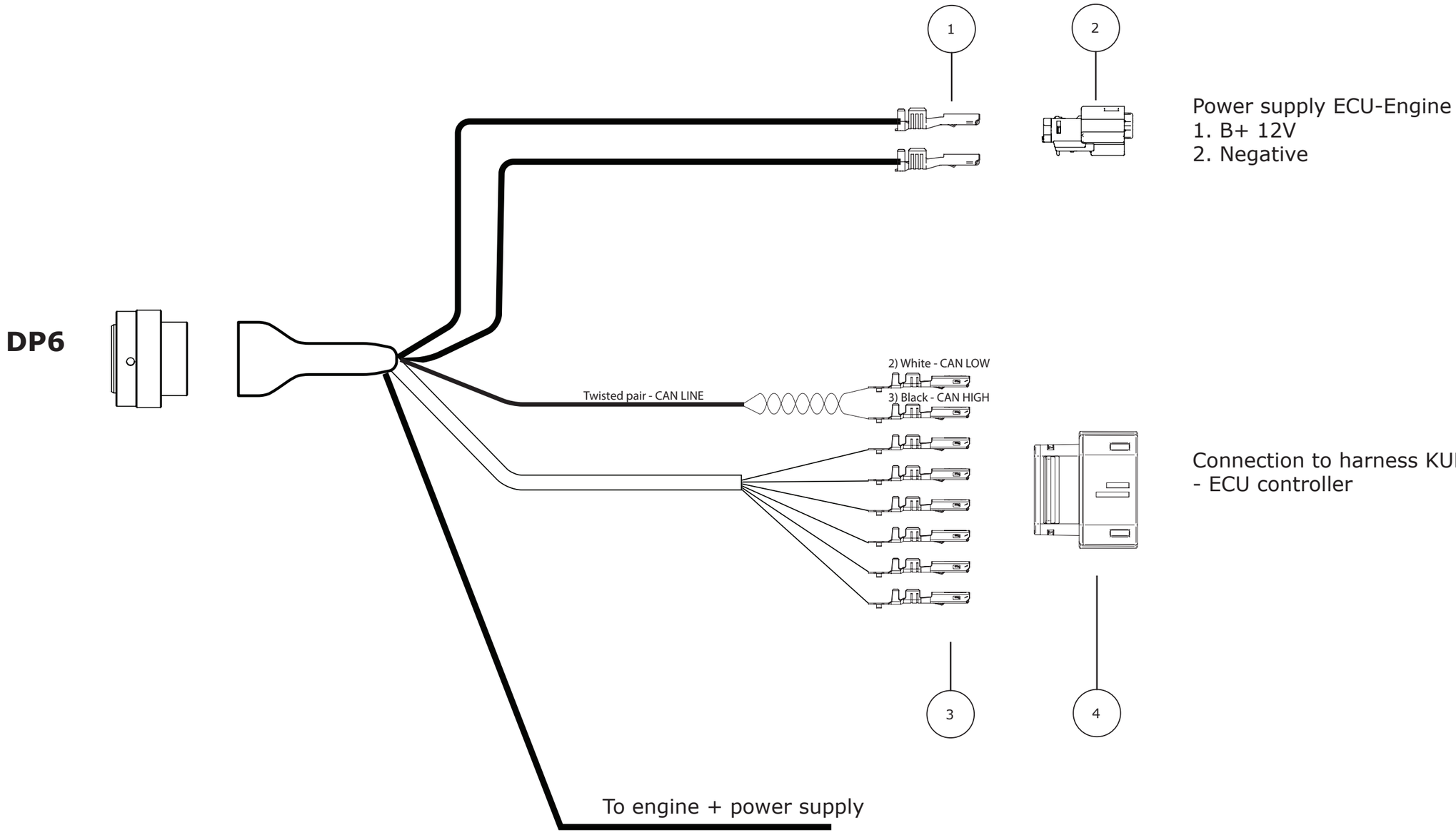
ITEM	PART NR	DESCRIPTION	QTY
1	215016	CONNECTOR, PLUG 18 POLE	1
2	612208	BOOT FOR PLUG	1
3	306714	SOCKET - SIZE 16	13
4	126848	SOCKET - SIZE 12 - 3 MMQ	3
5	194132	SOCKET - SIZE 8 - 5 MMQ	1
7	612236	MAIN POWER SWITCH (BAT DISCONNECT)	1
8	215022	BATTERY CABLE RED - 50MMQ	10M
9	114904	BATTERY CABLE BLACK - 50MMQ	10M
10	124474	BATTERY 12 V -95AH	2
12	624414	MULTI-BATTERY ISOLATOR	1
15	124570	CABLE SHOE 50 MMQ - M10	14
16	516338	BATTERY TERM COVER BLACK	2
17	124468	BATTERY CLAMP NEG	2
18	124470	BATTERY CLAMP POSITIVE	2
19	516340	BATTERY TERM COVER RED	2



DP6 - Harness - Engine - Battery

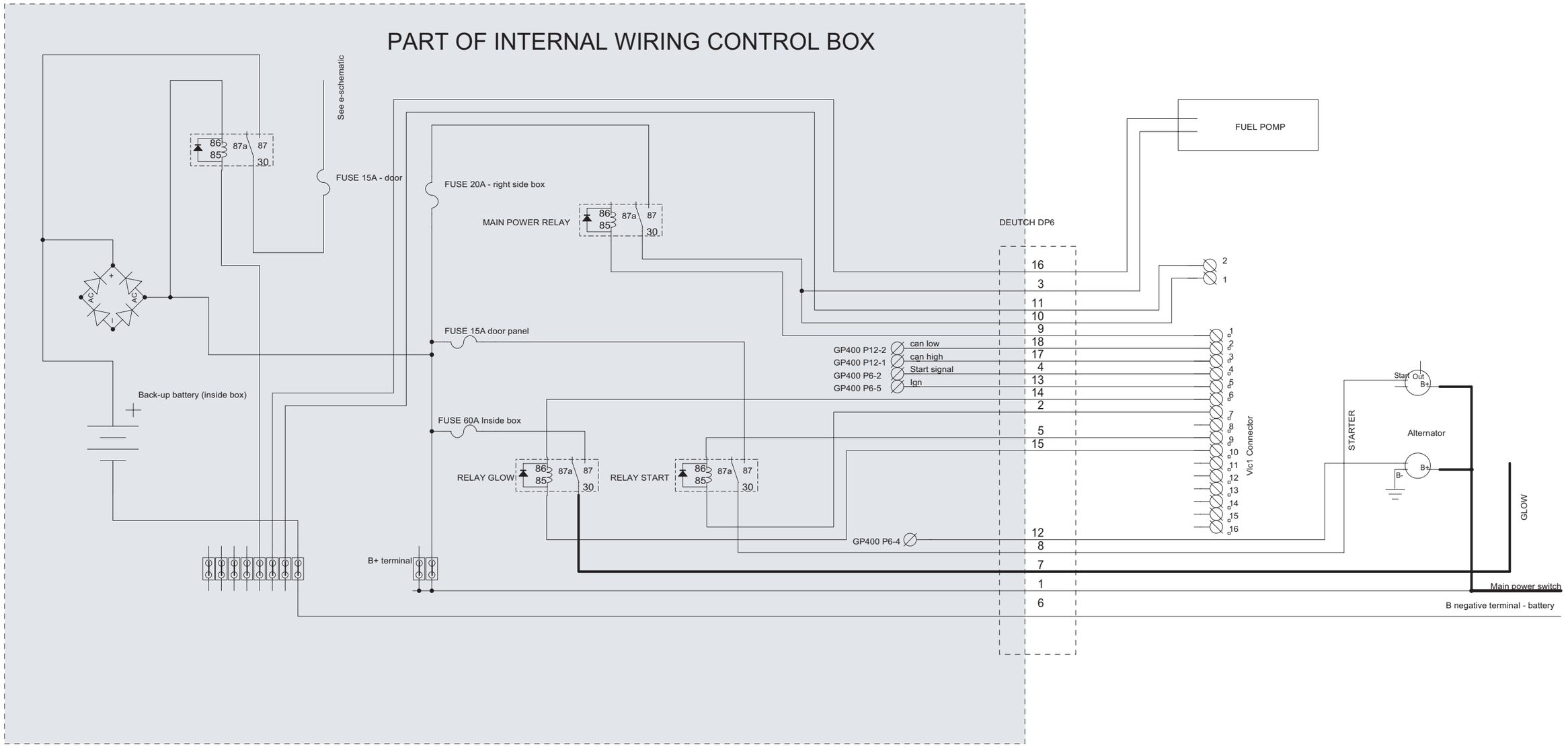
Production 2018 and Upwards

ITEM	PART NR	DESCRIPTION	QTY
1	479074	CONTACT SOCKET	2
2	479072	PLUG 2 WAY	1
3	479080	CONTACT SOCKET	10
4	479078	PLUG 16 WAY	1



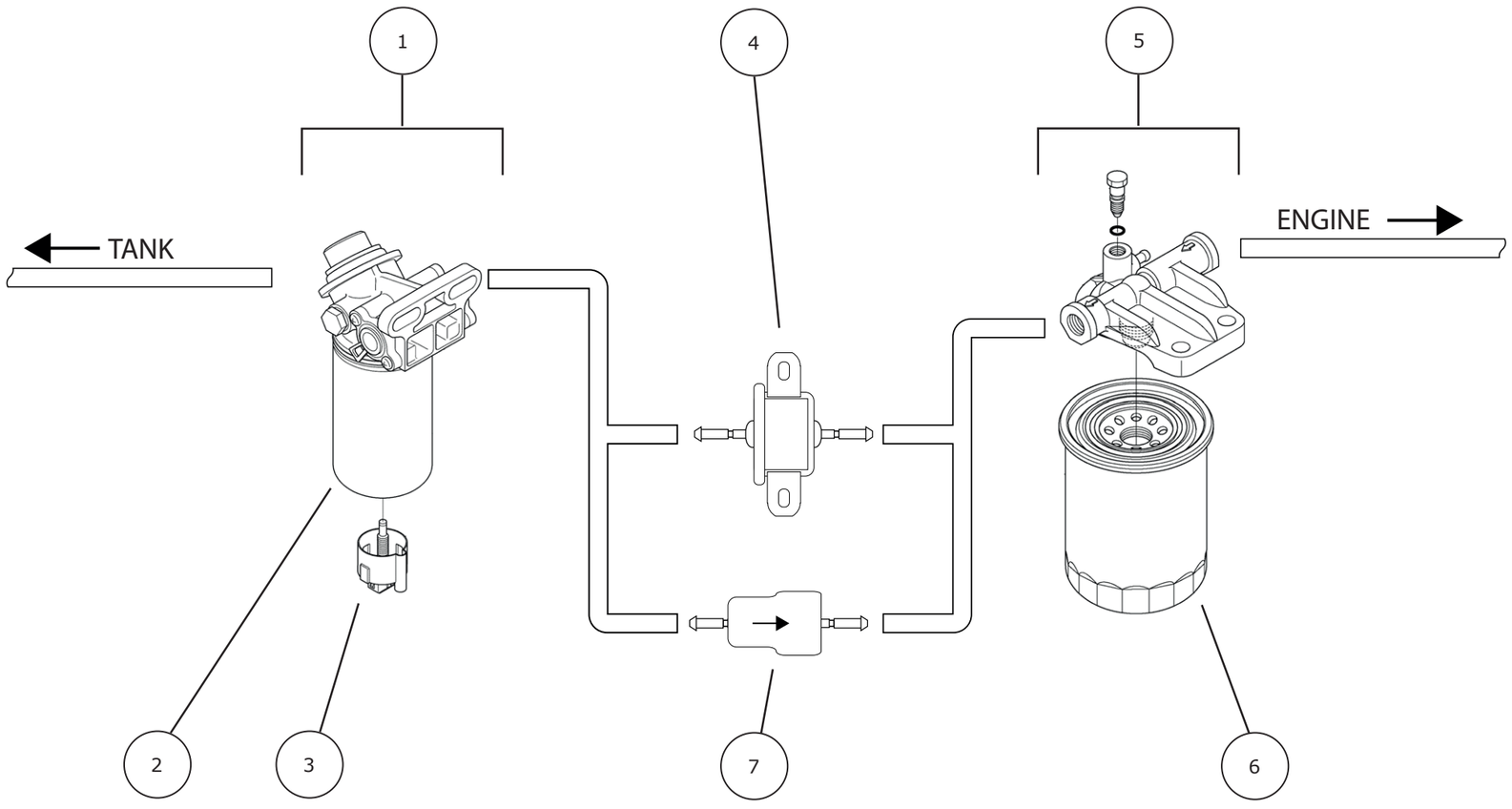
Power supply ECU-Engine
1. B+ 12V
2. Negative

Connection to harness KUBOTA
- ECU controller


PART OF INTERNAL WIRING CONTROL BOX
See e-schematic
86
85
87a
87
30
FUSE 15A - door
FUSE 20A - right side box
MAIN POWER RELAY
FUSE 15A door panel
FUSE 60A Inside box
RELAY GLOW
RELAY START
Back-up battery (inside box)
B+ terminal
DEUTCH DP6
FUEL POMP
GP400 P12-2
GP400 P12-1
GP400 P6-2
GP400 P6-5
GP400 P6-4
can low
can high
Start signal
Ign
16
3
11
10
9
18
17
4
13
14
2
5
15
12
8
7
1
6
Vlc1 Connector
STARTER
Start Out
B+
Alternator
B+
B-
GLOW
Main power switch
B negative terminal - battery

ITEM	PART NR	DESCRIPTION	QTY
1	194004	PLUG RECEPTACLE 2 WAY	1
2	675429	PIN	2
3	306720	FUEL TANK SENSOR METER	1

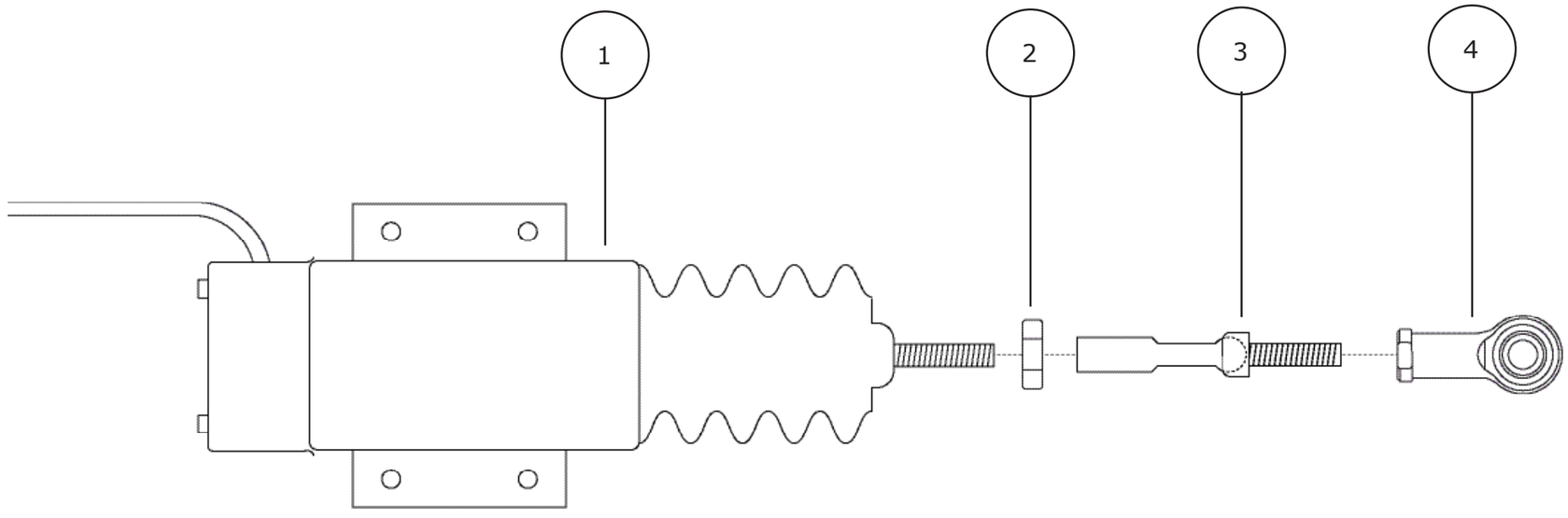
ITEM	PART NR	DESCRIPTION	QTY
1	475668	FUEL FILTER W/WATER SEPARATOR ASSEMBLY	1
2	193130	SPIN ON FILTER (ONLY)	1
3	475682	SENSOR SWITCH	1
4	475648	ELECTRIC FUEL PUMP	1
5	475658	FUEL FILTER ASSEMBLY	1
6	309546	SPIN ON FILTER (ONLY)	1
7	475650	CHECK VALVE	1



HIGH RPM SOLENOID ASSEMBLY 12VDC

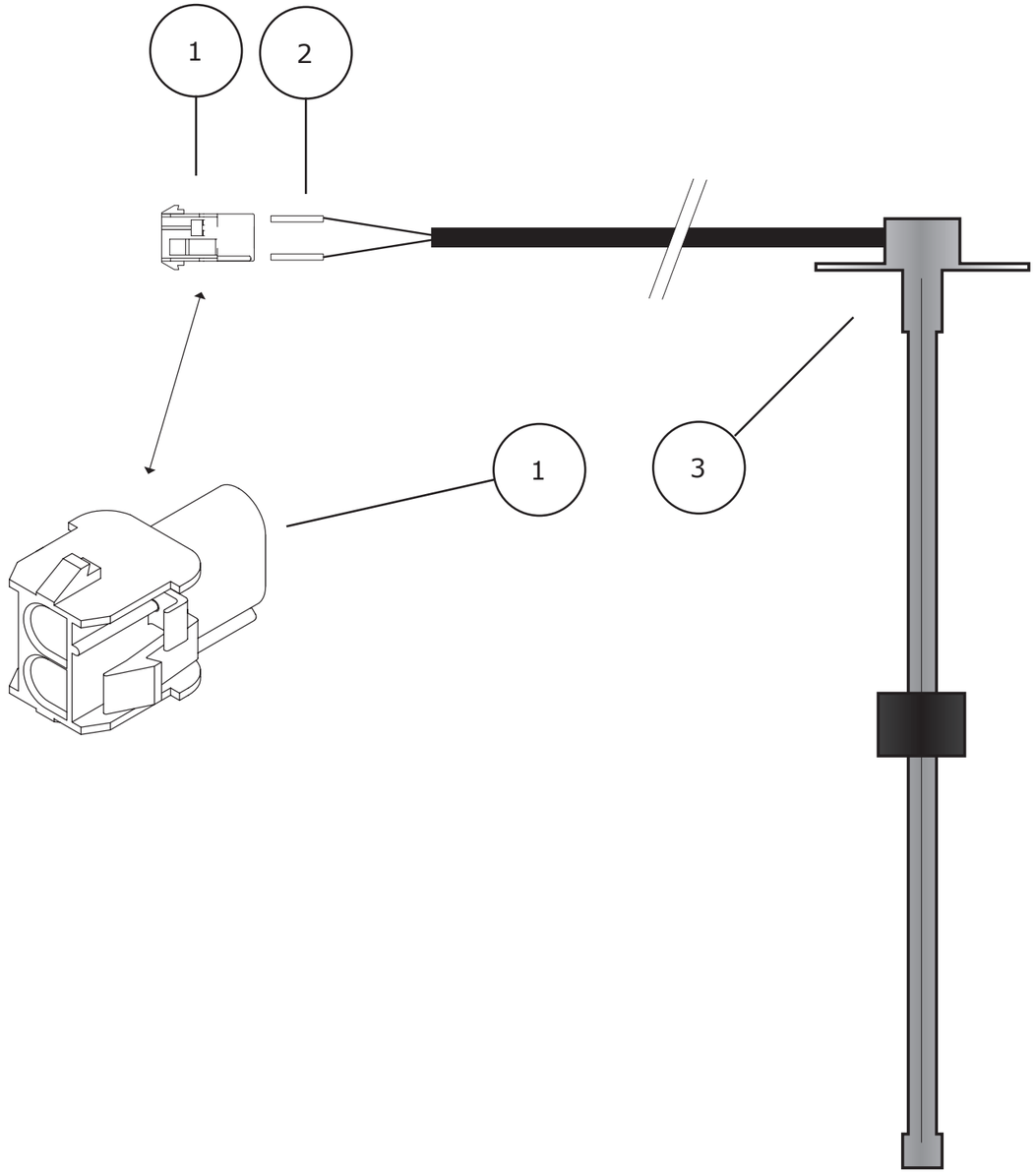
only used at V2403 mechanical engine

ITEM	PART NR	DESCRIPTION	QTY
1	365968	SOLENOID 12VDC	1
2	128146	NUT	1
3	120374	INLINE SWIVEL	1
4	120376	RODEND	1



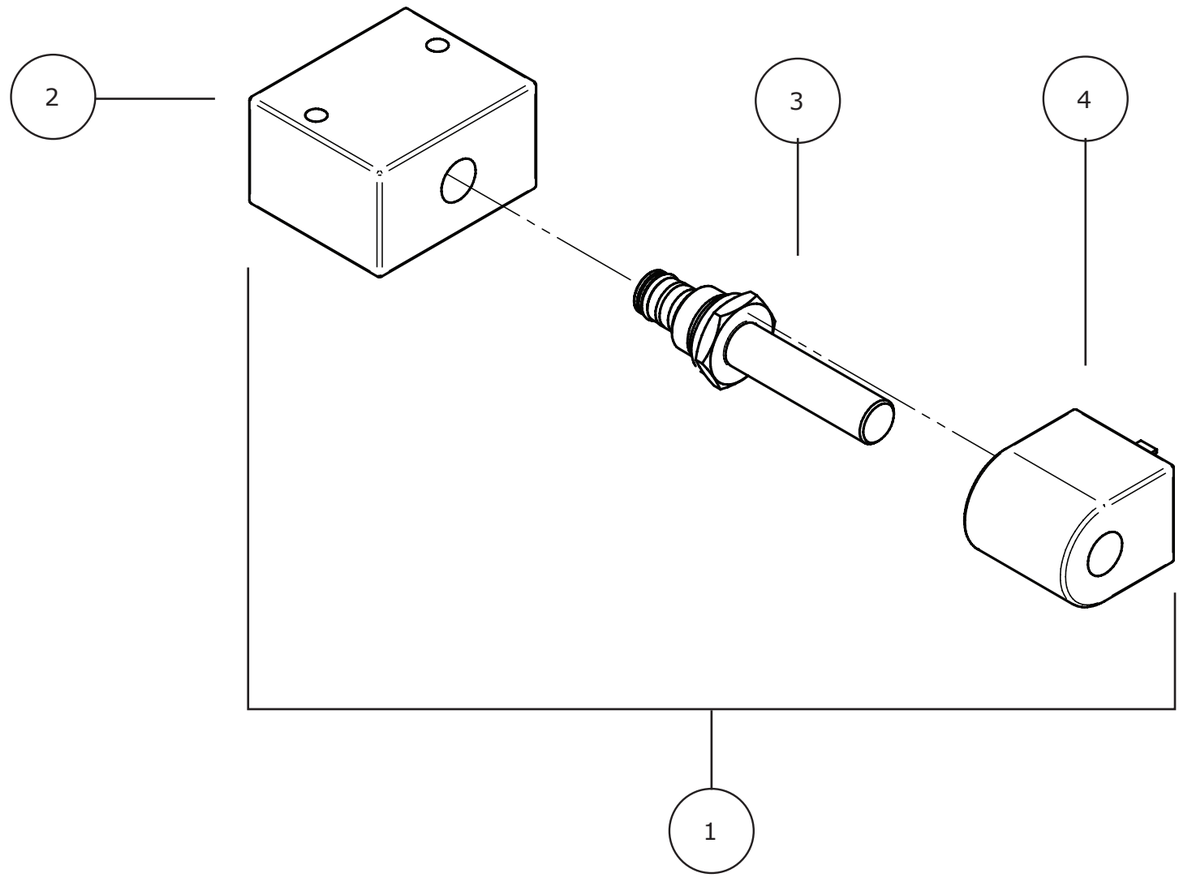
FUEL TANK METER SENSOR ASSEMBLYW

ITEM	PART NR	DESCRIPTION	QTY
1	194004	PLUG RECEPTACLE 2 WAY	1
2	675429	PIN	2
3	306722	FUEL TANK SENSOR METER	1



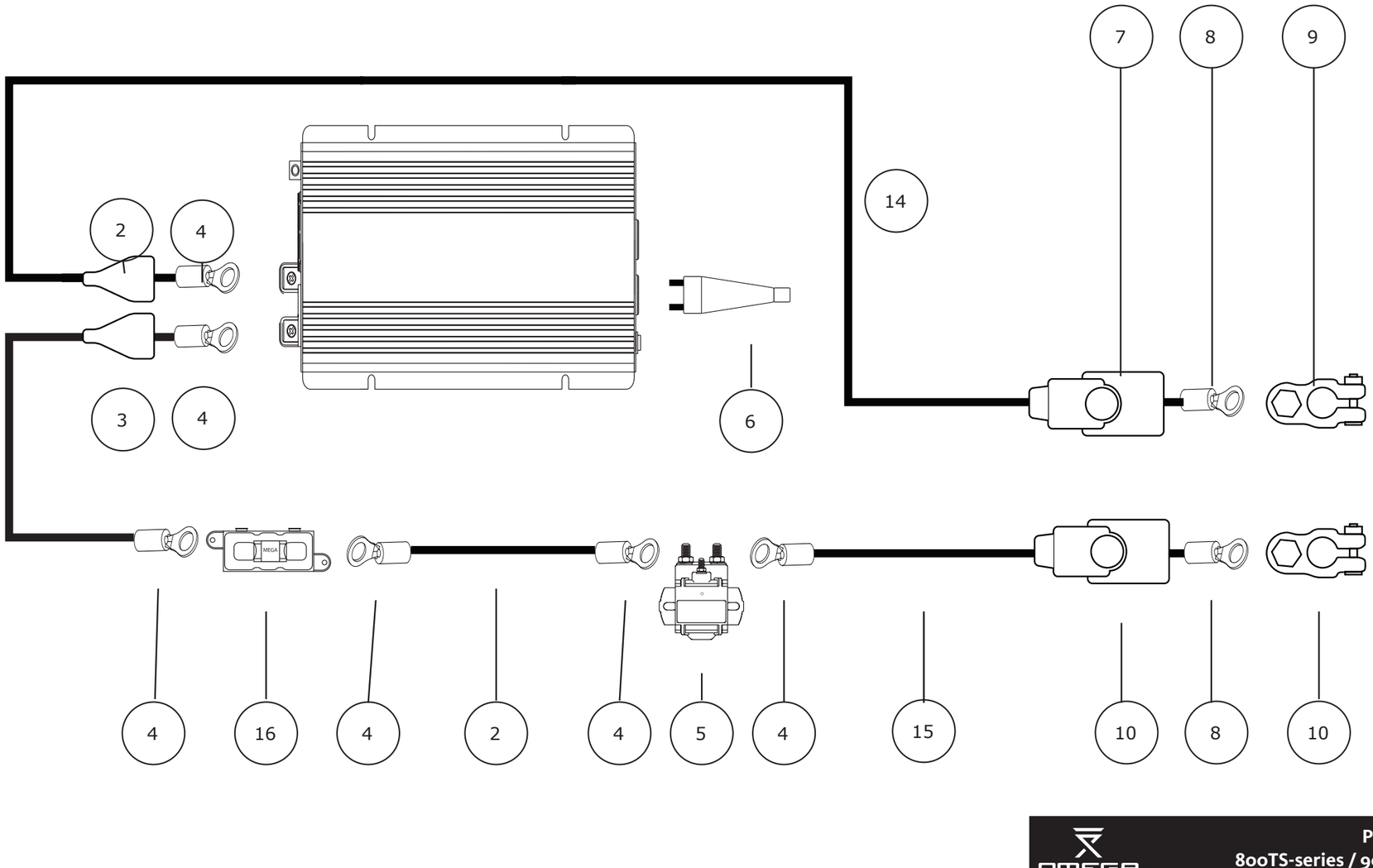
EMERGENCY LOWERING BY-PASS MANIFOLD

ITEM	PART NR	DESCRIPTION	QTY
1	127473	HYDRAULIC MANIFOLD - WITH VALVE + COIL	1
2	662868	MANIFOLD ONLY	1
3	662870	CARTRIDGE NC	1
4	127118	COIL 12VDC	1



DC -> AC Invertor

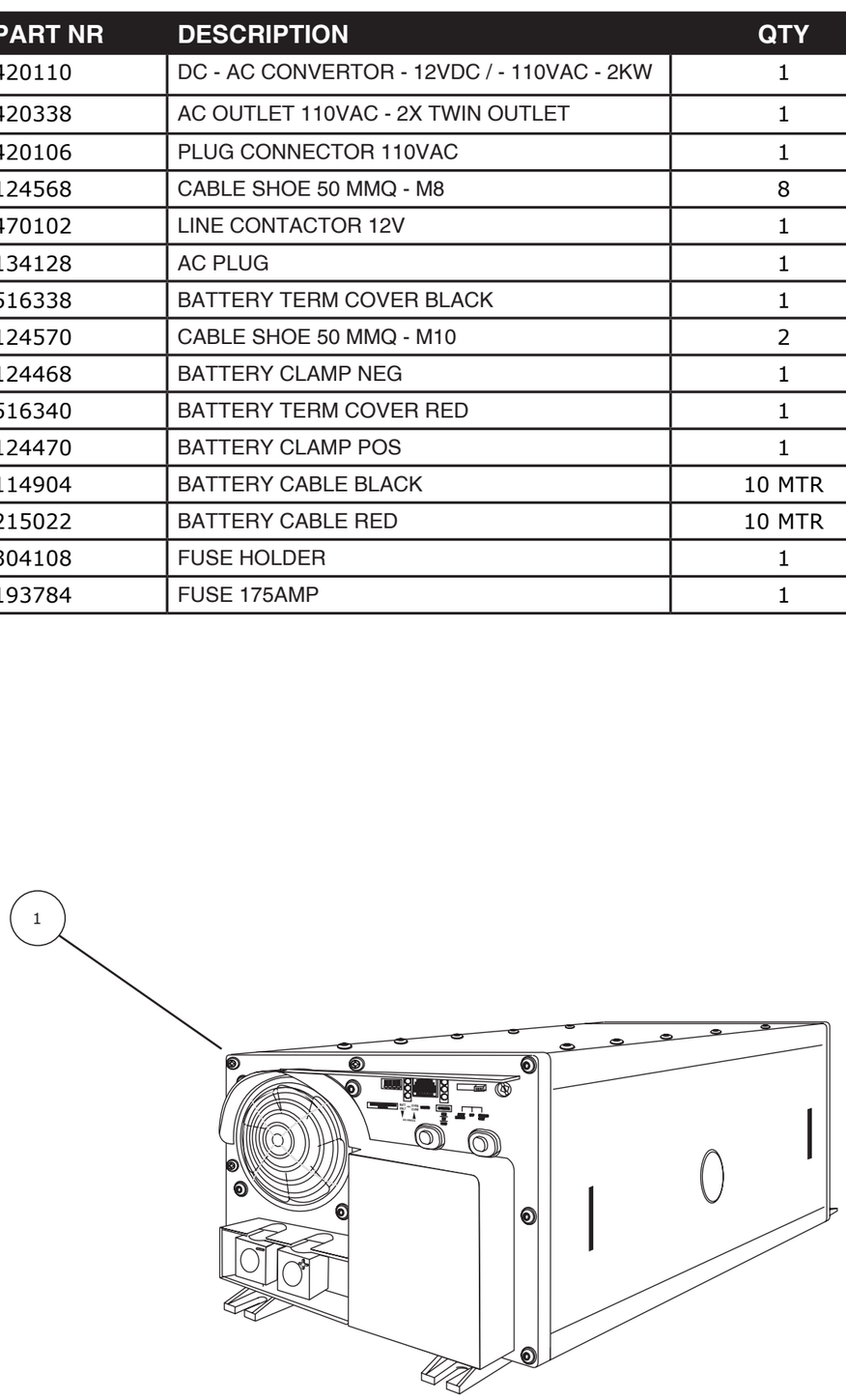
ITEM	PART NR	DESCRIPTION	QTY
2	130374	BATTERY TERM COVER BLACK	1
3	130412	BATTERY TERM COVER RED	1
4	124568	CABLE SHOE 50 MMQ - M8	8
5	470102	LINE CONTACTOR 12V	1
6	134128	AC PLUG	1
7	516338	BATTERY TERM COVER BLACK	1
8	124570	CABLE SHOE 50 MMQ - M10	2
9	124468	BATTERY CLAMP NEG	1
10	516340	BATTERY TERM COVER RED	1
11	124470	BATTERY CLAMP POS	1
14	114904	BATTERY CABLE BLACK	10 MTR
15	215022	BATTERY CABLE RED	10 MTR
16		FUSE HOLDER	1
16A		FUSE	1

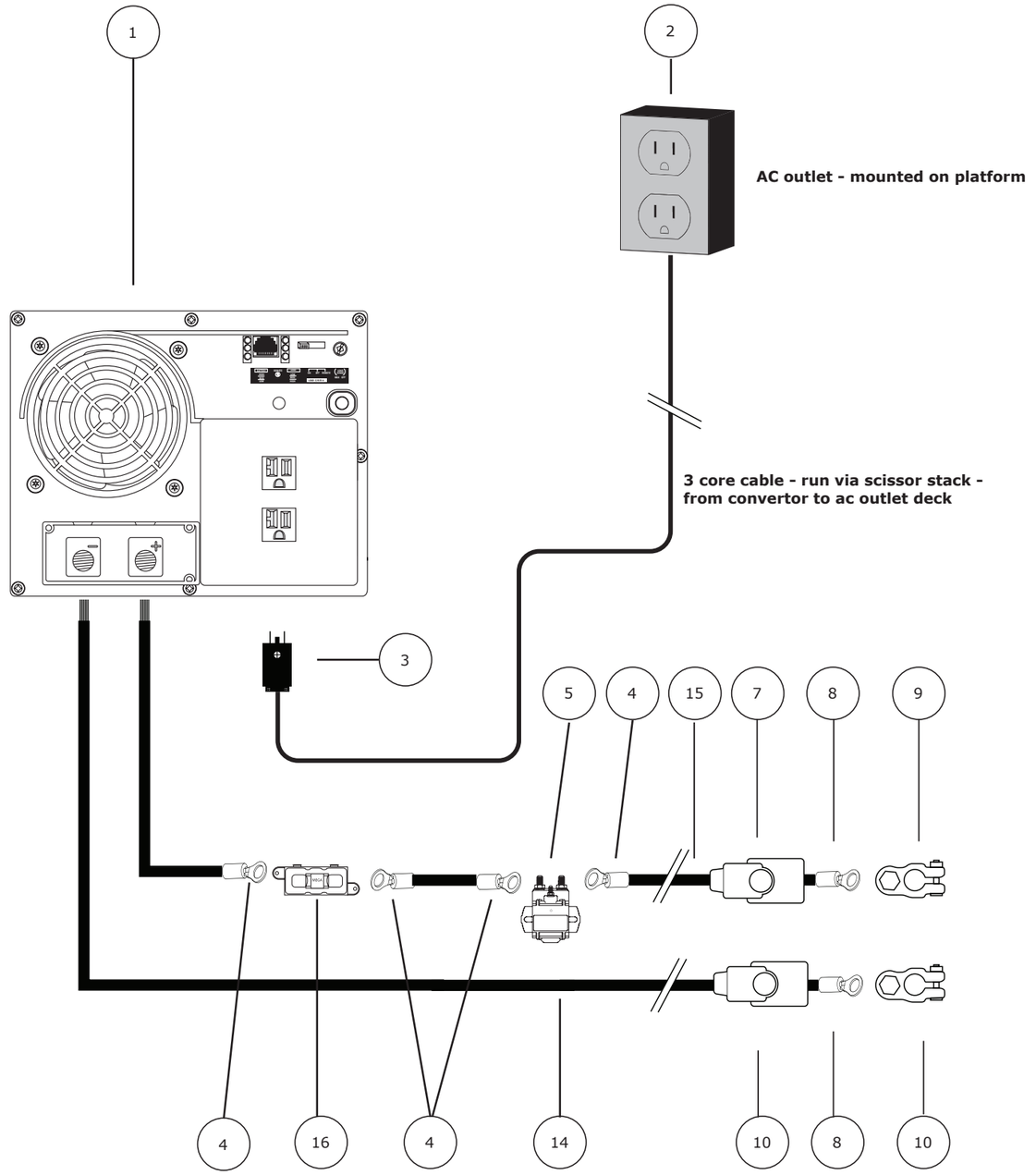


ITEM	PART NR	DESCRIPTION	QTY
1	420110	DC - AC CONVERTOR - 12VDC / - 110VAC - 2KW	1
2	420338	AC OUTLET 110VAC - 2X TWIN OUTLET	1
3	420106	PLUG CONNECTOR 110VAC	1
4	124568	CABLE SHOE 50 MMQ - M8	8
5	470102	LINE CONTACTOR 12V	1
6	134128	AC PLUG	1
7	516338	BATTERY TERM COVER BLACK	1
8	124570	CABLE SHOE 50 MMQ - M10	2
9	124468	BATTERY CLAMP NEG	1
10	516340	BATTERY TERM COVER RED	1
11	124470	BATTERY CLAMP POS	1
14	114904	BATTERY CABLE BLACK	10 MTR
15	215022	BATTERY CABLE RED	10 MTR
16	304108	FUSE HOLDER	1
16A	193784	FUSE 175AMP	1

DC -> AC Invertor

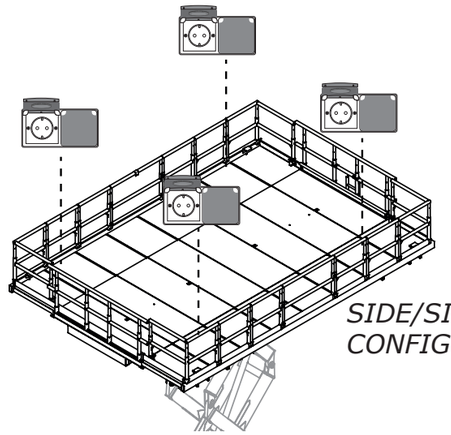
USA setup 110Vac



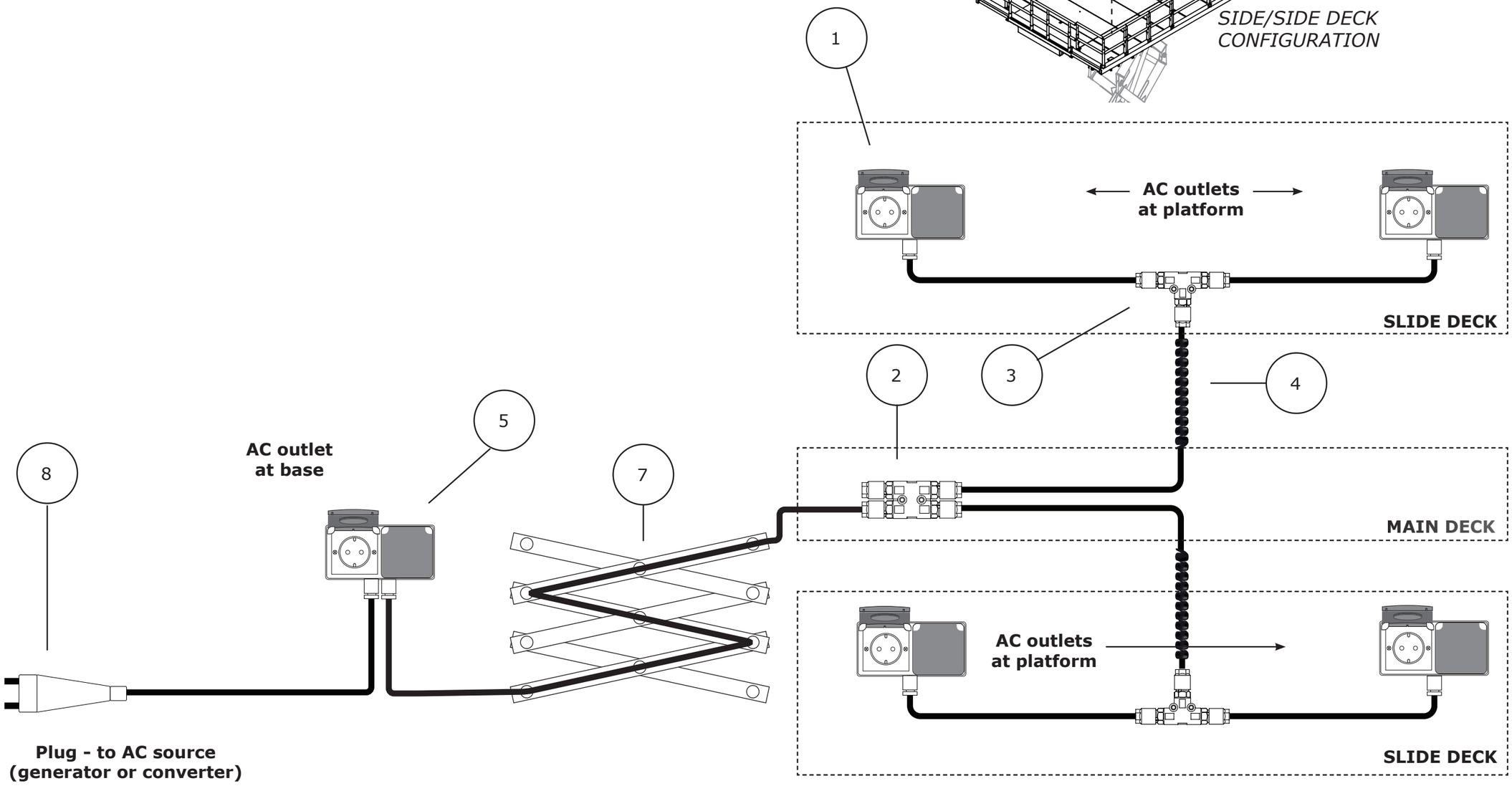


ITEM	PART NR	DESCRIPTION	QTY
1	127130	DUAL AC OUTLET - VERTICAL	4
2	632122	AC DISTRIBUTOR - H-FORM - 4WAY	1
3	632130	AC DISTRIBUTOR - T-FROM - 3WAY	3
4A	446010	SPIRAL CABLE - 50/200CM - FIX 10MTR	2
4B	446016	SPIRAL CABLE - 50/200CM - FIX 5MTR	2
5A	127132	DUAL AC OUTLET - VERTICAL - HOUSING ONLY	1
5B	800156	AC SOCKET SINGLE	2
7	192252	FLEX CABLE - 3X2,5MMQ	30MTR
8	134128	AC PLUG MALE	1

TYPICAL AC OUTLET SET-UP
PLATFORM CONFIG SIDE/SIDE

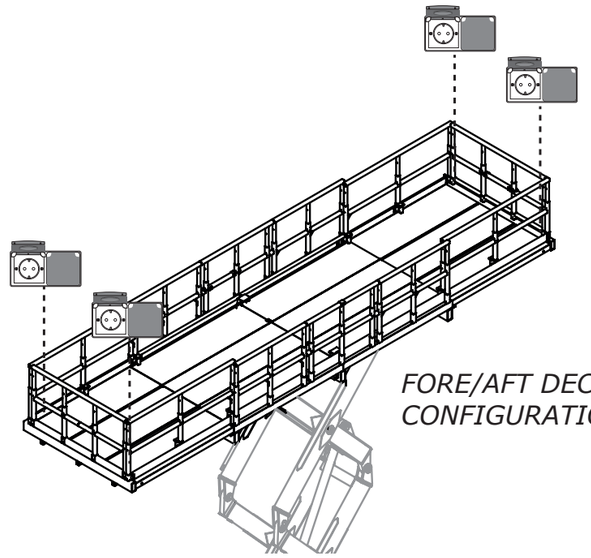


SIDE/SIDE DECK CONFIGURATION

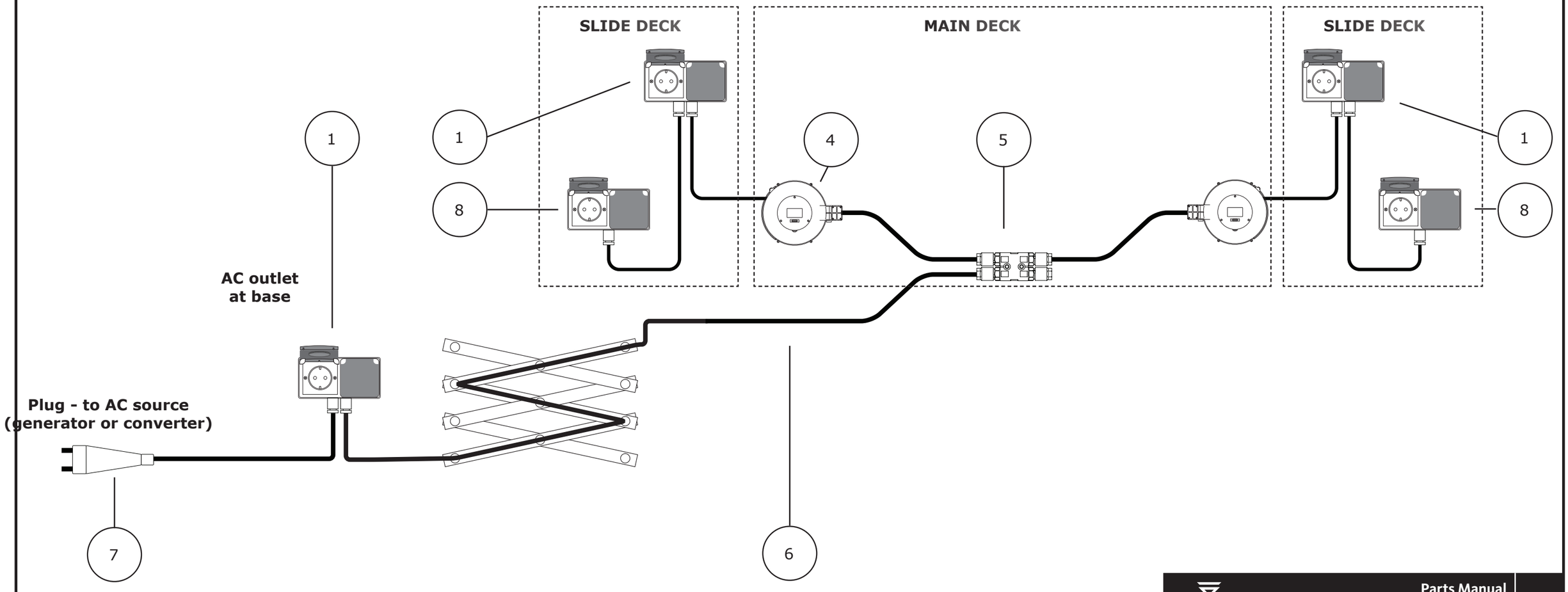


ITEM	PART NR	DESCRIPTION	QTY
1A	127132	DUAL AC OUTLET - VERTICAL - HOUSING ONLY	3
1B	800156	AC SOCKET SINGLE	6
3	632130	AC DISTRIBUTOR - T-FROM - 3WAY	1
4	623238	CABLE REEL - 8 MTR CABLE - 3X 1,5MMQ	2
5	632122	AC DISTRIBUTOR - H-FORM - 4WAY	1
6	192252	FLEX CABLE - 3X2,5MMQ	25M
7	134128	AC PLUG MALE	1
8	127130	DUAL AC OUTLET - VERTICAL	2

TYPICAL AC OUTLET SET-UP

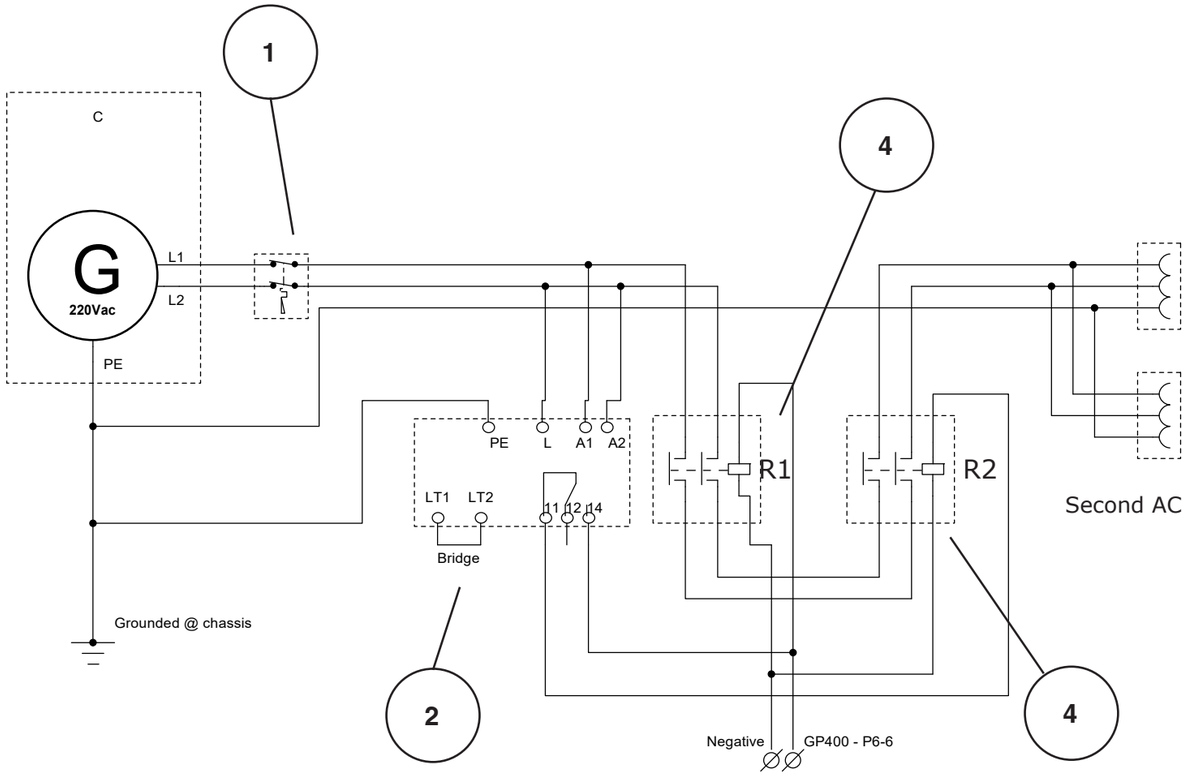


FORE/AFT DECK CONFIGURATION

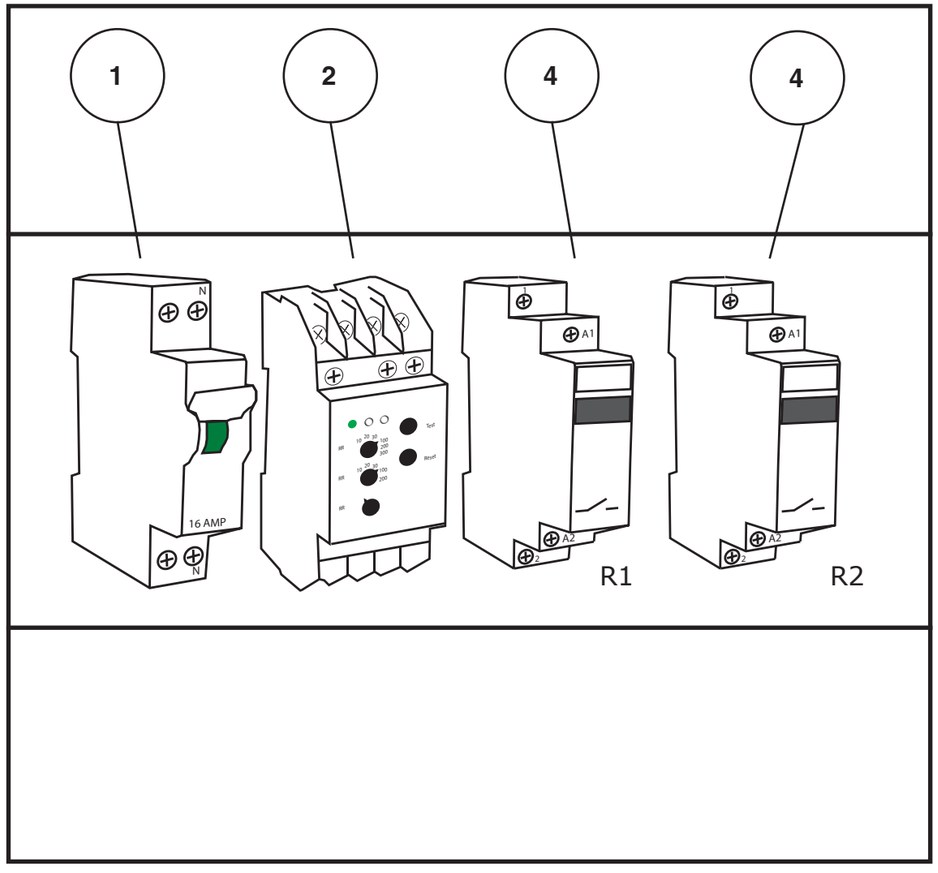


AC GENERATOR INTERLOCKS

ITEM	PART NR	DESCRIPTION	QTY
1	354692	CIRCUIT BREAKER 16 AMP	1
2	442008	INSULATION MONITOR	1
4	612448	RELAY - 12 VDC - DOUBLE - MODULAR	1
5	593930	BOX ENCLOSURE	1
-	126804	TERMINAL / SPADE FORK M4 / BLUE	8
-	435696	TERMINAL SPADE FORK - 0,5 -> 1,0 MMQ	2



Second AC outlet optional



Component base connector - Pin 1 & pin 2
(Ref. Cable ass - Base components)