



## GILBARCO AUSTRALIA PTY LTD

### SK700-2 Pumps and Dispensers

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#### Parts Manual

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DQ98001-135

Issue F



**Gilbarco Australia Pty Ltd**

A.C.N. 000 020 799

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❖ Sydney ❖ Melbourne ❖ Hobart ❖ Adelaide ❖ Perth ❖ Darwin ❖ Townsville ❖ Brisbane ❖

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## **SK700-2**

### **Spare Parts manual**

**DQ98001-135**

**Issue F**

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Related Documentation –

Managers Manual ..... DQ98001-137

Installation Manual ..... DQ98001-134

Service Manual ..... DQ98001-139

Gilbarco Australia Pty Ltd  
A.C.N. 000 020 799  
20 Highgate Street Auburn.  
N.S.W. 2144

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## **Release Information**

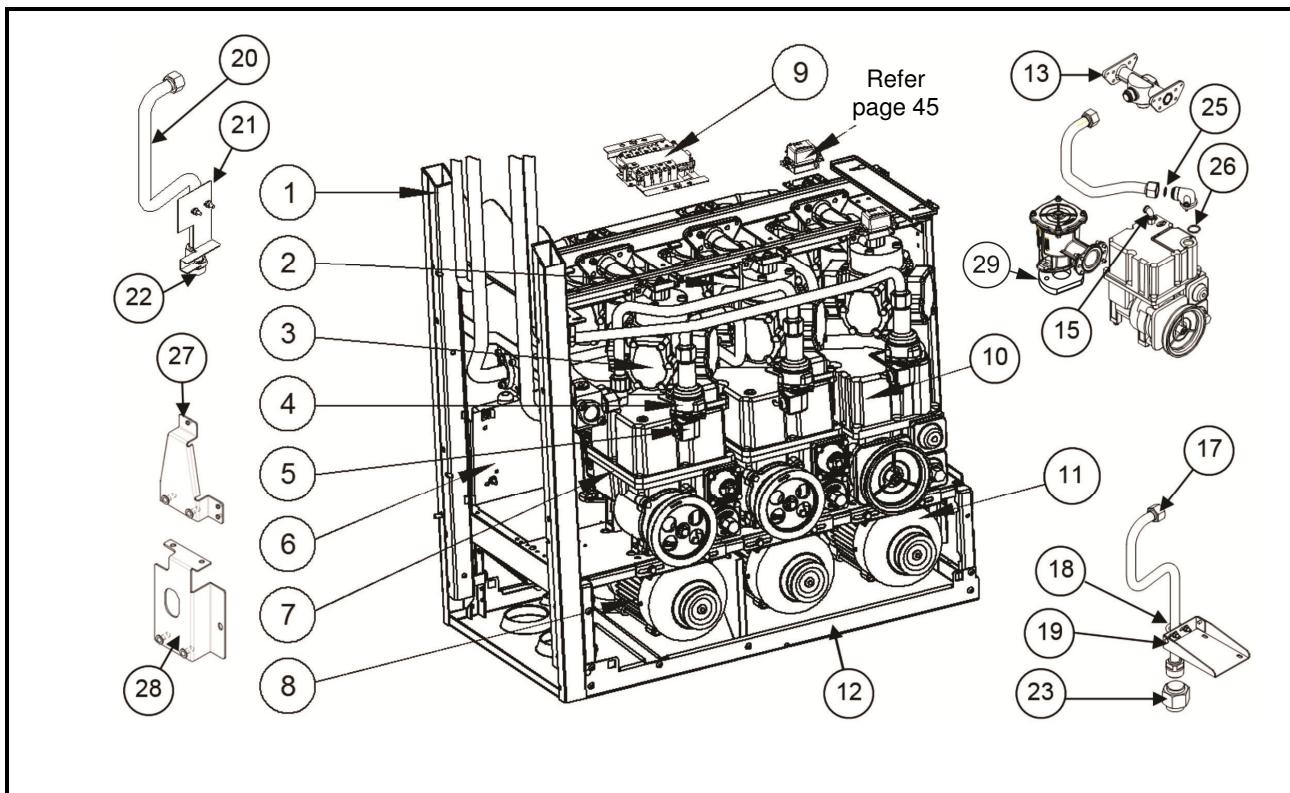
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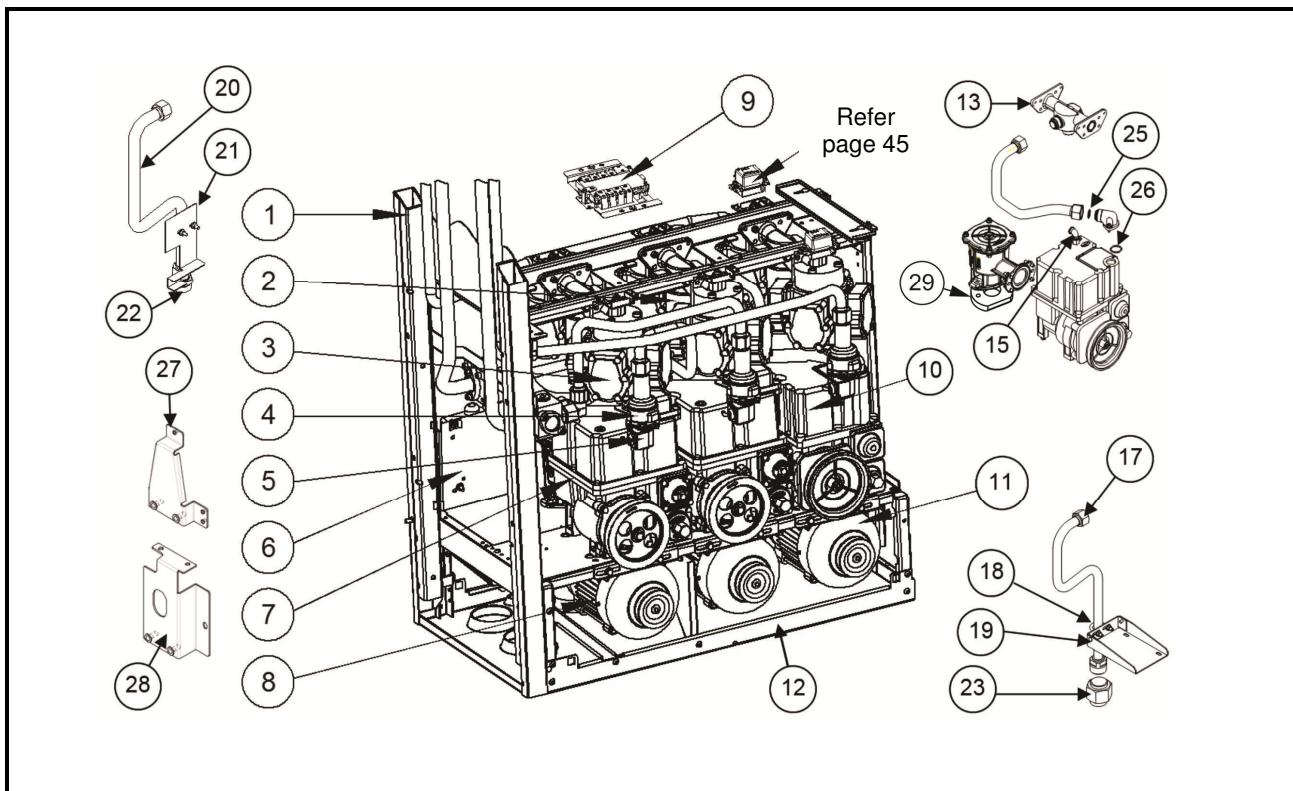
## Hydraulics – Normal and High Flow



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
<b>1</b>			<b>Frame for hydraulic, complete:</b>	<b>6</b>	1	140-872-103	Junction box cpl. – Pump single phase
a	1	140-892-471	Hydraulic module for 4/2/4, 800mm	6a	1	140-865-663	Junction box cpl. – Pump 3 phase
b	1	140-902-851	Hydraulic module for 6/3/6, 935mm	6b	1	140-872-113	Junction box cpl. - Dispenser
c	1	140-902-781	Hydraulic module for 8/4/8, 1185mm	6.1	1	140-865-673	Holder for junction box
<b>1</b>			<b>Frame Pump – 2A, complete:</b>	<b>7</b>	1	140 941 515	Pumping unit GPU 90
a	1	141-028-611	Hydraulic module for 4/2/4, 800mm				Small diameter drive shaft
b	1	141-028-601	Hydraulic module for 6/3/6, 935mm	7a	1	141 055 805	Pumping unit GPU 90S
c	1	141-028-591	Hydraulic module for 8/4/8, 1185mm				Large diameter drive shaft
d	1	141-028-581	Hydraulic module for 10/5/10, 1437mm	<b>8</b>	1	DQ44653-006	Single Phase Motor 0.75 kW.
				8.1	1	DN08917-004	Pulley 86mm. O.D.
				8.2	1	140-826-966	V-belt A28
				8.3	1	140-863-092	Motor mounting plate
<b>1</b>			<b>Frame Dispenser – 2A, complete:</b>	<b>9</b>	1	140-872-785	IS Hub, tested non SIP type
a	1	141-062-281	Hydraulic module for 4/2/4, 800mm	9a	1	140-998-636	IS Buss, tested SIP type
b	1	141-062-261	Hydraulic module for 6/3/6, 935mm	<b>10</b>	1	140-941-525	Pumping Unit GPU 140, tested
c	1	141-061-781	Hydraulic module for 8/4/8, 1185mm	11	1	DQ44652-002	3 Phase Motor 1.5KW.
d	1	141-062-211	Hydraulic module for 10/5/10, 1437mm	11.1	1	140-850-323	Pulley 92mm. dia.
<b>2</b>			<b>Filter element for Diesel and Petrol:</b> <i>(For Bio-Diesel on request possible)</i>	11.2	1	140-902-422	Bracket
a	1	140-593-564	G 1½" x 140 lg, 10µm for Petrol	11.3	1	140-943-656	V-belt 757mm.
b	1	140-632-746	G 1½" x 140 lg, 30µm for Diesel	<b>10a</b>	1	141-037-825	Pumping Unit GPU 140Z, tested
c	1	140-635-126	G 1½" x 200 lg, 30µm for Diesel – HS	<b>12</b>	1	140-937-090	Base frame IOD only – shell grey
d	1	140-659-893	Cap (For use without pressure filter) <i>(For C+Meter, the pressure filter is available as an option)</i>	<b>13</b>	1	140-863-781	Manifold
<b>3</b>	1	140-939-265	C+Meter, tested (T19976 G3)				<i>Continued on next page</i>
<b>4</b>	1	140-863-832	Proportional valve cpl., without coil				
<b>5</b>	1	140-909-486	Coil 24 V - short cable P1 & P2				
<b>5a</b>	1	140-870-496	Coil 24 V - long cable P3 & P4				

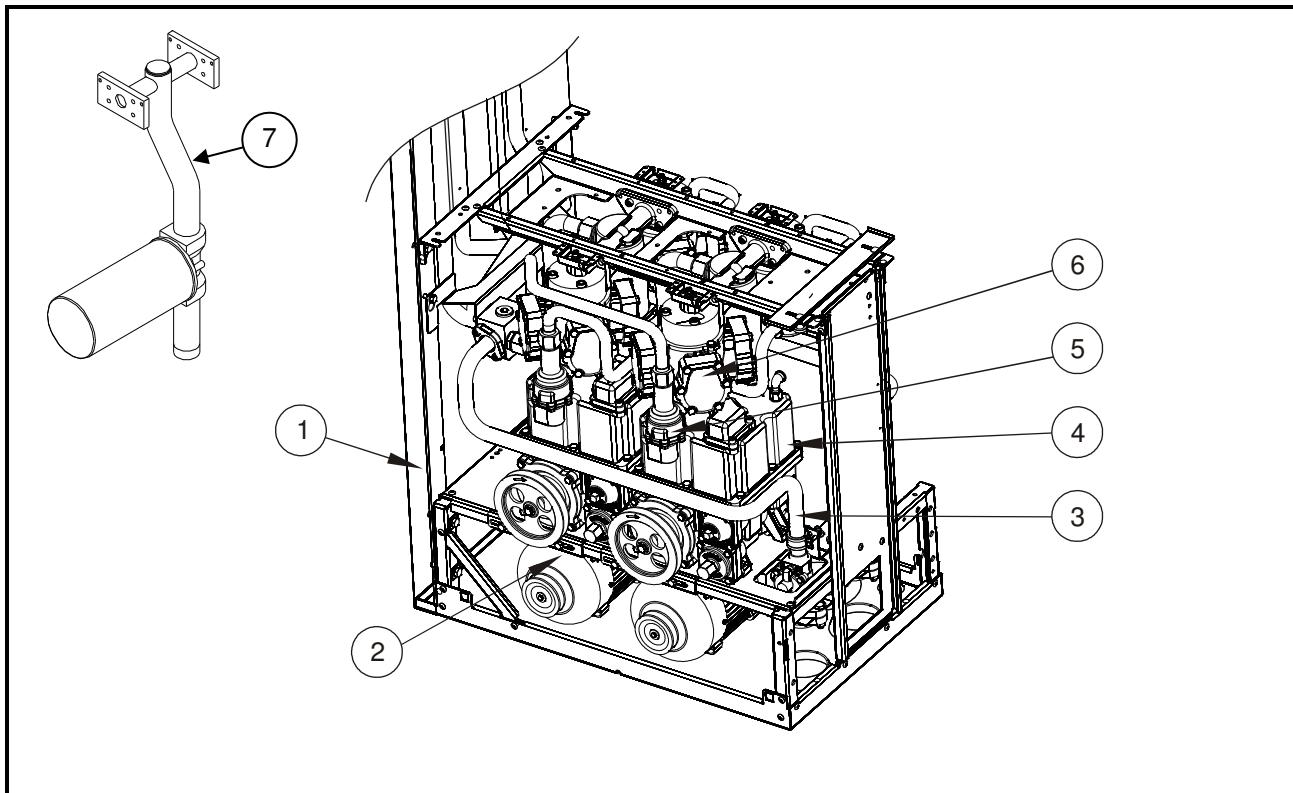
## Hydraulics – Normal and High Flow

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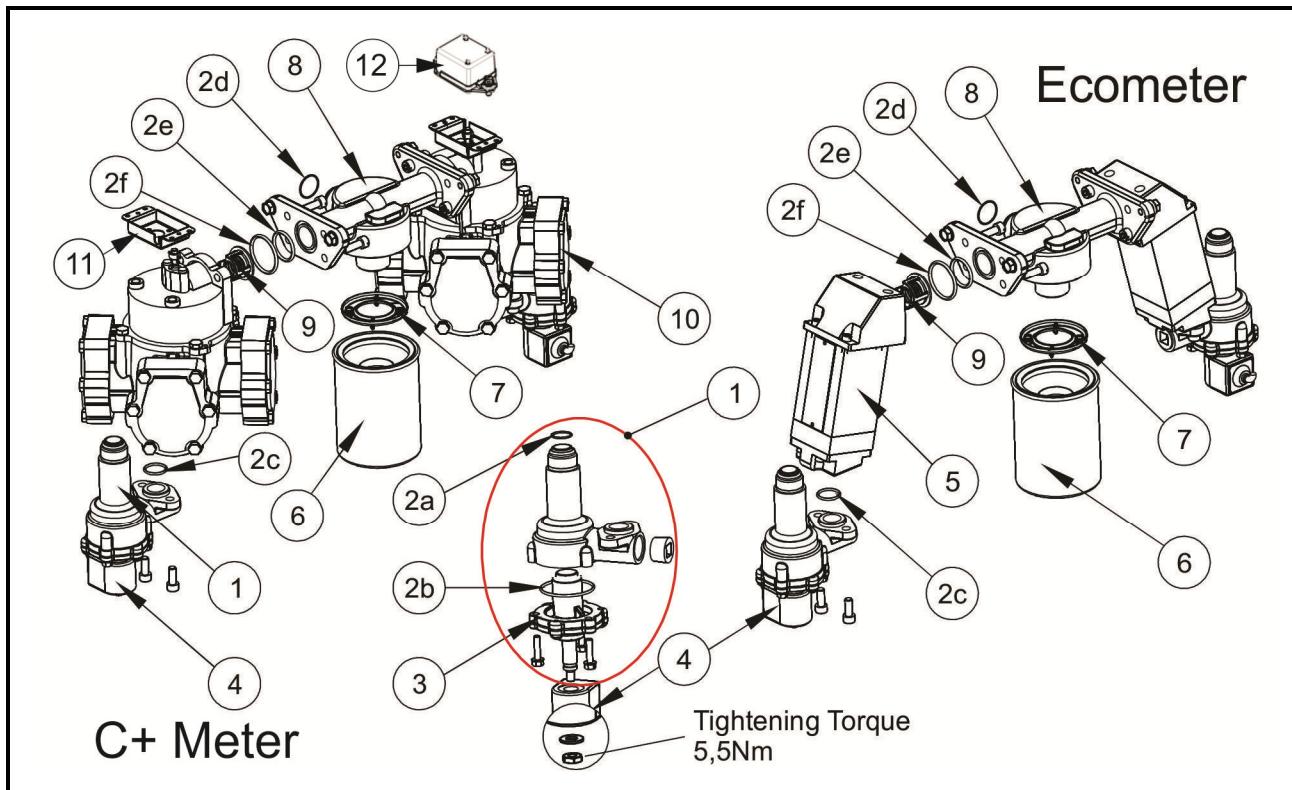
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
14	1	140-864-382	Pipe assembly – included in item 16				
15	1	140-858-612	Elbow fitting – included in item 16				
16	1	140-864-392	Pipe assy. – includes items 14 & 15				
17	1	DT10103-001	Inlet pipe assy. – prior to July 2011				
18	1	140-125-380	U-bolt – prior to July 2011				
19	1	DR10170	Pipe bracket – prior to July 2011				
20	1	140-965-262	Inlet pipe assy. – post July 2011				
21	1	140-968-822	Pipe bracket – post July 2011				
22	1	140-968-802	Adaptor 1½"BSP - post July 2011				
23	1	DQ49118-020	Union 1½"BSP				
24	1	140-865-766	Junction Box - Pump				
24a	1	140-872-113	Junction Box – Dispenser				
25	1	140-427-216	O-ring				
26	1	140-758-926	O-ring				
27	1	140-872-883	Mount – shear valve				
28	1	141-052-203	Mount – shear valve 2A frame				
29	1	DN08595	Inlet adaptor				

## UHF Overview & Satellite Pipes



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	<b>140-861-141</b>	Frame for hydraulic 4/2/4, UHF	1	140-769-073	<b>Magnet valve 1"</b> with screw joint	
2	1	<b>DQ44652-002</b>	3 Phase Electric motor 1.5kW	1	140-635-126	<b>Filter element G 1 1/2" x 200lg, 30µ</b> for Diesel UHF (For Bio-Diesel possible on request)	
2.1	1	140-917-436	V-Belt				
2.2	1	140-903-833	Pulley				
2.3	1	140-902-422	Motor mounting bracket				
3			<b>Pipe 28x1,5 cpl. with valve for satellite:</b>				<i>(Components are not shown in the drawing!)</i>
a	1	140-875-962	Satellite connection for LHS				
b	1	140-875-972	Satellite connection for RHS				
4	1	<b>140-941-525</b>	Pumping unit GPU 140, tested				
5	1	<b>140-863-832</b>	Proportional valve cpl., without coil				
5.1	1	140-867-046	Coil 24 V for proportional valve				
6	1	<b>140-939-265</b>	C+Meter, tested				
7		<b>DN07630-365</b>	UHF Pipe Kit - prior to Jan. 2012				
7.1	1	DT10275	Pipe inlet - prior to Jan. 2012				
7.2	1	508-50027	Manifold 1 1/2"NPT - prior to Jan. 2012				
7.3	1	DN04945-003	Pipe riser - prior to Jan. 2012				
7.4	1	508-70074	Filter 30µm – prior to Jan. 2012				
7a			<b>UHF Pipe - post Jan. 2012</b>				
7.1a	1	140-999-341	Pipe inlet - post Jan. 2012				
7.2a	1	140-999-366	Manifold 1 1/2"BSP - post Jan. 2012				
7.3a	1	140-999-356	Pipe riser - post Jan. 2012				
7.4a	1	140-999-376	Filter 30µm – post Jan. 2012				

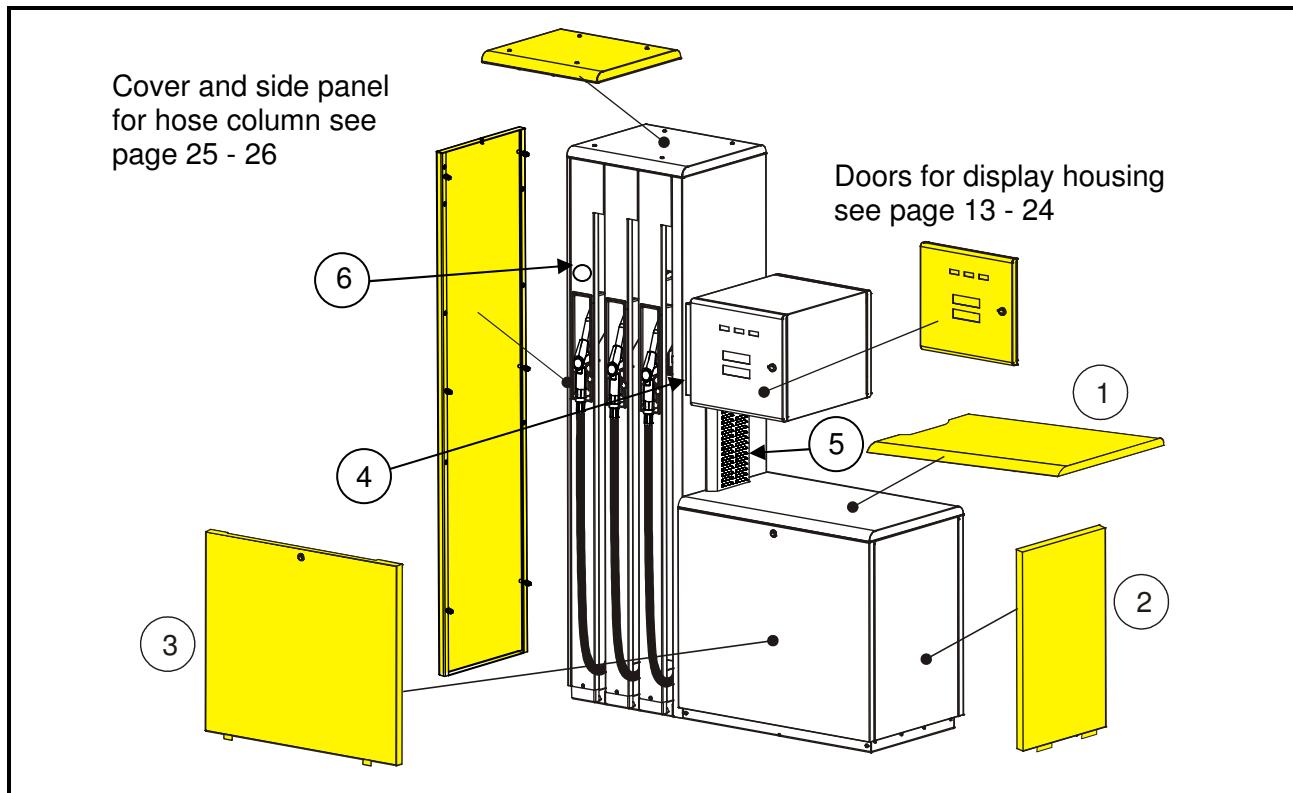
## Meters and Valves



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-863-832	Proportional valve cpl., without coil	6			<b>Filter element for Diesel and Petrol:</b> <i>(For Bio-Diesel on request possible)</i>
2	1	140-914-705	Sealing kit for metering unit and manifold:	a	1	140-593-564	G 1 ½ " x 140 lg, 10µm for Petrol
2a	2	140-483-826	O-Ring 19 x 1,5 (Viton)	b	1	140-632-746	G 1 ½ " x 140 lg, 30µm for Diesel
2b	2	140-804-756	O-Ring 52 x 2,5 (Viton)	c	1	140-635-126	G 1 ½ " x 200 lg, 30µm for Diesel - HS
2c	2	140-727-816	O-Ring 22 x 2,5 (Viton)	d	1	140-659-893	Cap (For use without pressure filter)
2d	1	140-427-216	O-Ring 25 x 1,5 (Viton)	e	1	508-70065	G 1 ½ " Hydrosorb, 30µm for Diesel
2e	2	140-758-926	O-Ring 30 x 3,5 (Viton)				<i>(For C+Meter, the pressure filter is available as an option)</i>
2f	2	140-687-086	O-Ring 40 x 3,5 (Viton)	7	1	140-778-656	Strainer insert
3	1	140-804-666	Valve sub assembly	8	1	140-863-781	Manifold housing
4	1	140-909-486	Coil 24V. – 2.3m. cable P1 & P2	9	1	140-620-186	Check valve
4a	1	140-870-496	Coil 24V. – 2.9m. cable P3 & P4	10	1	140-939-265	C+Meter, routine tested
4b	1	140-870-506	Coil 24V. – 5.5m. cable P5 & P6	a	1	250-K35222	Meter output shaft quad seal kit
5	1	140-963-643	Ecometer, tested, with 2f and 2c			250-Q11755-01	Quad shaft seal
		140-941-085	Ecometer pre-tested			250-K78378-72	Pin
a	1	140-893-503	Pulser only, tested (ME 01-04)	11	1	140-863-813	Pulser mount bracket
5a	1	141-049-721	<b>Ecometer, tested</b>	12	1	140-876-445	Pulser standard
a	1	141-010-442	Pulser only, tested (ME 01-04G)				

## Panels – original production

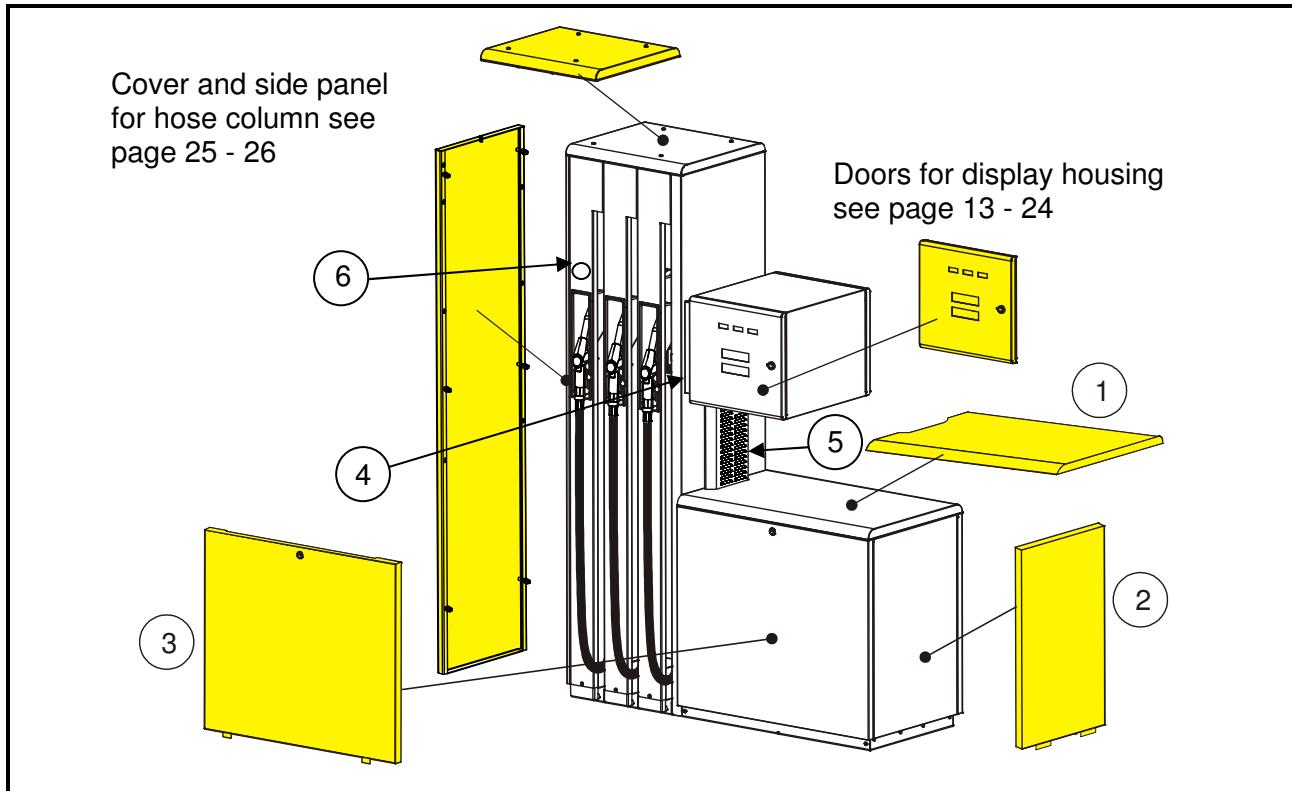
Front & rear lower panel locks and **with** end frame support



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
<b>1</b>			<b>Cover powder coated</b>				<b>Front/rear panel, Stainless steel with cyl. lock and lock lever</b>
a	1	140-904-762	Cover 498 mm for AdBlue	a	1	140-954-762	Front/rear panel, 500 mm for AdBlue
b	1	140-862-602	Cover 798 mm for 4/2/4	a	1	140-884-632	Front/rear panel, 800 mm for 4/2/4
c	1	140-862-642	Cover 933 mm for 6/3/6	b	1	140-884-652	Front/rear panel, 935 mm for 6/3/6
d	1	140-862-682	Cover 1183 mm for 8/4/8	c	1	140-884-672	Front/rear panel, 1185 mm for 8/4/8
			<b>Cover, stainless steel</b>	3.1	1	140-863-403	Lock assembly cpl.
a	1	140-903-812	Cover 498 mm for AdBlue	3.2	1	140-324-346	Lock assembly without lock lever
b	1	140-861-412	Cover 798 mm for 4/2/4	3.3	1	DQ40590-001	Key – panel & C.D.M.
c	1	140-861-402	Cover 933 mm for 6/3/6				
d	1	140-861-422	Cover 1183 mm for 8/4/8	<b>4</b>	<b>1</b>	<b>140-865-192 Spacer CDM</b>	- small CDM only
<b>2</b>			<b>End panel</b>	a	4	140-886-036	Stud M10 x 40 - small CDM only
a	1	140-862-567	End panel, powder coated	b	4	140-796-796	Stud M10 x 30t - big CDM only
b	1	140-861-362	End panel, stainless steel	<b>5</b>	<b>1</b>	<b>140-865-212 Cable cover</b>	- small CDM only
<b>3</b>			<b>Front/rear panel with cyl. lock and lock lever, powder coated</b>	<b>5a</b>	<b>1</b>	<b>140-950-862 Cable cover</b>	- big CDM only
a	1	140-874-322	Front/rear panel, 500 mm for AdBlue	<b>6</b>	<b>1</b>	<b>140-959-255 40/70 Selector Switch</b>	
a	1	140-861-502	Front/rear panel, 800 mm for 4/2/4				<b>(FOR DIESEL ONLY)</b>
b	1	140-861-482	Front/rear panel, 935 mm for 6/3/6				
c	1	140-861-512	Front/rear panel, 1185 mm for 8/4/8				
3.1	1	140-863-403	Lock assembly cpl.				
3.2	1	140-324-346	Lock assembly without lock lever				
3.3	1	DQ40590-001	Key – panel & C.D.M.				

## Panels – intermediate production

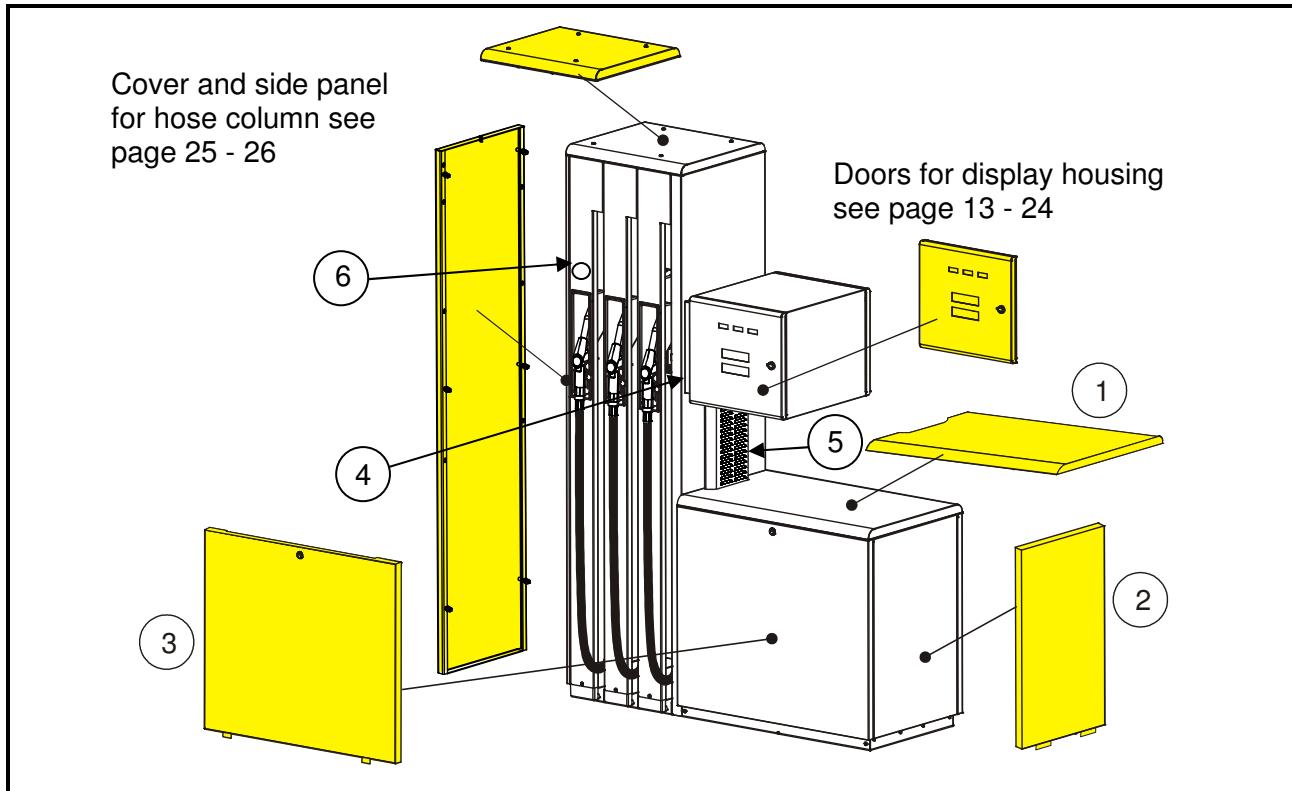
Single lock in the cover panel and **no** end frame support



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
<b>1</b>			<b>Cover with cyl. lock and lock lever, powder coated</b>				<b>Front/rear panel, Stainless steel</b>
a	1	141-029-962	Cover 498 mm for AdBlue	a	1	141-059-792	Front/rear panel, 500 mm for AdBlue
b	1	141-029-952	Cover 798 mm for 4/2/4	a	1	141-059-822	Front/rear panel, 800 mm for 4/2/4
c	1	141-029-942	Cover 933 mm for 6/3/6	b	1	141-059-852	Front/rear panel, 935 mm for 6/3/6
d	1	141-029-932	Cover 1183 mm for 8/4/8	c	1	141-059-882	Front/rear panel, 1185 mm for 8/4/8
			<b>Cover, stainless steel</b>	3.1	1	140-863-403	Lock assembly cpl.
a	1	141-030-182	Cover 498 mm for AdBlue	3.2	1	140-324-346	Lock assembly without lock lever
b	1	141-030-172	Cover 798 mm for 4/2/4	3.3	1	DQ40590-001	Key – panel & C.D.M.
c	1	141-030-162	Cover 933 mm for 6/3/6				
d	1	141-030-152	Cover 1183 mm for 8/4/8	<b>4</b>	1	140-865-192	<b>Spacer CDM</b> - small CDM only
			<b>End panel</b>	a	4	140-886-036	Stud M10 x 40 - small CDM only
<b>2</b>				b	4	140-796-796	Stud M10 x 30t - big CDM only
a	1	141-028-677	End panel - powder coated	<b>5</b>	1	140-865-212	<b>Cable cover</b> – small CDM only
b	1	141-050-521	End panel - stainless steel	5a	1	140-950-862	<b>Cable cover</b> – big CDM only
c	1	141-066-387	End panel - stepped, powder coated	<b>6</b>	1	140-959-255	<b>40/70 Selector Switch</b> <b>(FOR DIESEL ONLY)</b>
d	1	141-066-391	End panel - stepped, stainless steel				
<b>3</b>			<b>Front/rear panel, powder coated</b>				
a	1	141-029-202	Front/rear panel, 500 mm for AdBlue				
a	1	141-029-192	Front/rear panel, 800 mm for 4/2/4				
b	1	141-029-182	Front/rear panel, 935 mm for 6/3/6				
c	1	141-029-172	Front/rear panel, 1185 mm for 8/4/8				
3.1	1	140-863-403	Lock assembly cpl.				
3.2	1	140-324-346	Lock assembly without lock lever				
3.3	1	DQ40590-001	Key – panel & C.D.M.				

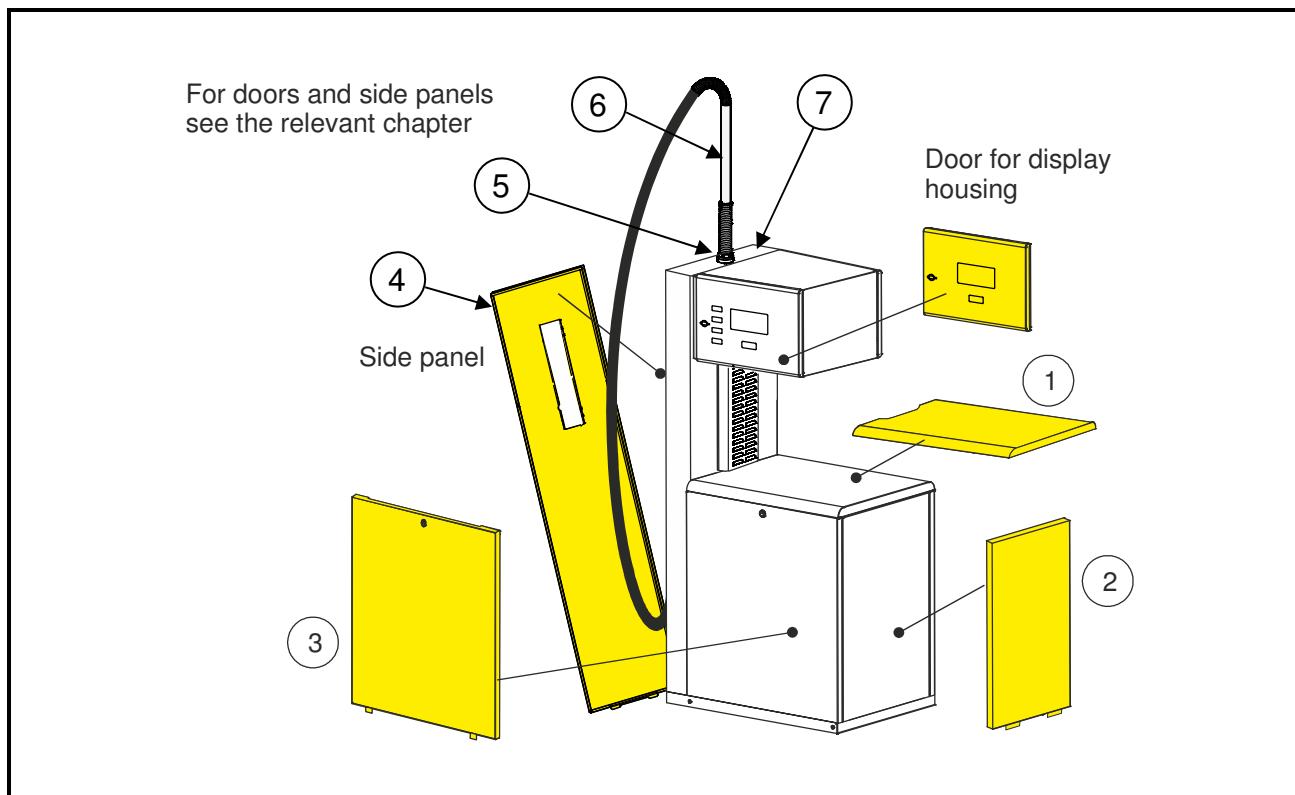
## Panels – current production

Front & rear lower panel locks and **no** end frame support



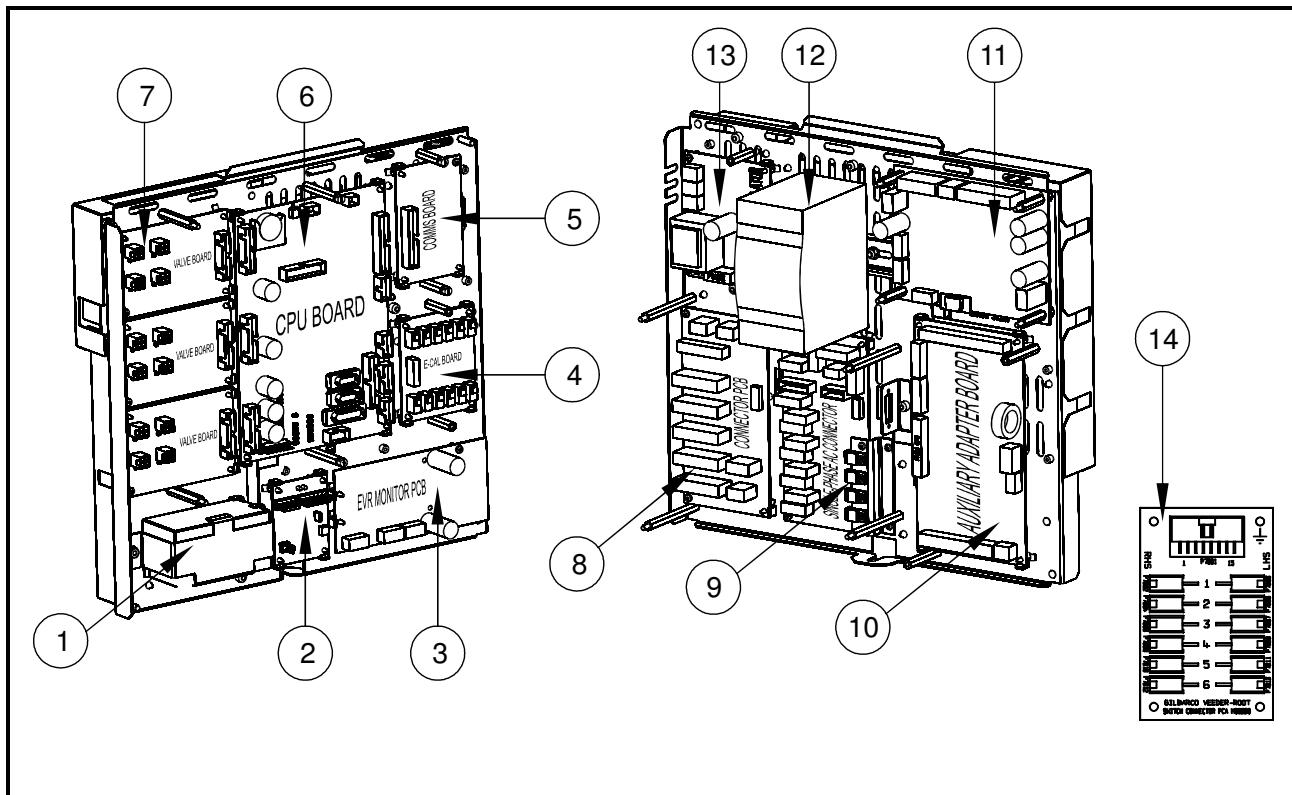
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
<b>1</b>			<b>Cover powder coated</b>				<b>Front/rear panel with cyl. lock and lock lever, stainless steel</b>
a	-	n.a.	Cover 498 mm for AdBlue	a	-	n.a.	Front/rear panel, 500 mm for AdBlue
b	1	141-065-662	Cover 798 mm for 4/2/4	a	-	n.a.	Front/rear panel, 800 mm for 4/2/4
c	1	141-065-692	Cover 933 mm for 6/3/6	b	-	n.a.	Front/rear panel, 935 mm for 6/3/6
d	1	141-065-722	Cover 1183 mm for 8/4/8	c	-	n.a.	Front/rear panel, 1185 mm for 8/4/8
e	1	141-090-632	Cover 1435 mm for 10/5/10				
			<b>Cover, stainless steel</b>	<b>4</b>	<b>1</b>	<b>140-865 -192 Spacer CDM</b>	- small CDM only
a	-	n.a.	Cover 498 mm for AdBlue	a	4	140-886 -036 Stud M10 x 40	- small CDM only
b	-	n.a.	Cover 798 mm for 4/2/4	b	4	140-796-796 Stud M10 x 30	- big CDM only
c	-	n.a.	Cover 933 mm for 6/3/6				
d	-	n.a.	Cover 1183 mm for 8/4/8	<b>5</b>	<b>1</b>	<b>140-865-212 Cable cover</b>	- small CDM only
			<b>End panel</b>	<b>5a</b>	<b>1</b>	<b>140-950-862 Cable cover</b>	- big CDM only
<b>2</b>				<b>6</b>	<b>1</b>	<b>140-959-255 40/70 Selector Switch</b>	
a	1	141-028-677	End panel - powder coated				<b>(FOR DIESEL ONLY)</b>
b	1	141-050-521	End panel - stainless steel				
c	1	141-066-387	End panel - stepped, powder coated				
d	1	141-066-391	End panel - stepped, stainless steel				
<b>3</b>			<b>Front/rear panel with cyl. lock and lock lever, powder coated</b>				
a	-	n.a.	Front/rear panel, 500 mm for AdBlue				
a	1	141-065-572	Front/rear panel, 800 mm for 4/2/4				
b	1	141-065-602	Front/rear panel, 935 mm for 6/3/6				
c	1	141-065-632	Front/rear panel, 1185 mm for 8/4/8				
d	1	141-090-172	Front/rear panel, 1435 mm for 10/5/10				
3.1	1	141-101-633	Lock assembly cpl. – with key				
3.3	1	141-102-026	Key – panel & C.D.M.				

## Panels and hose mast for IOD



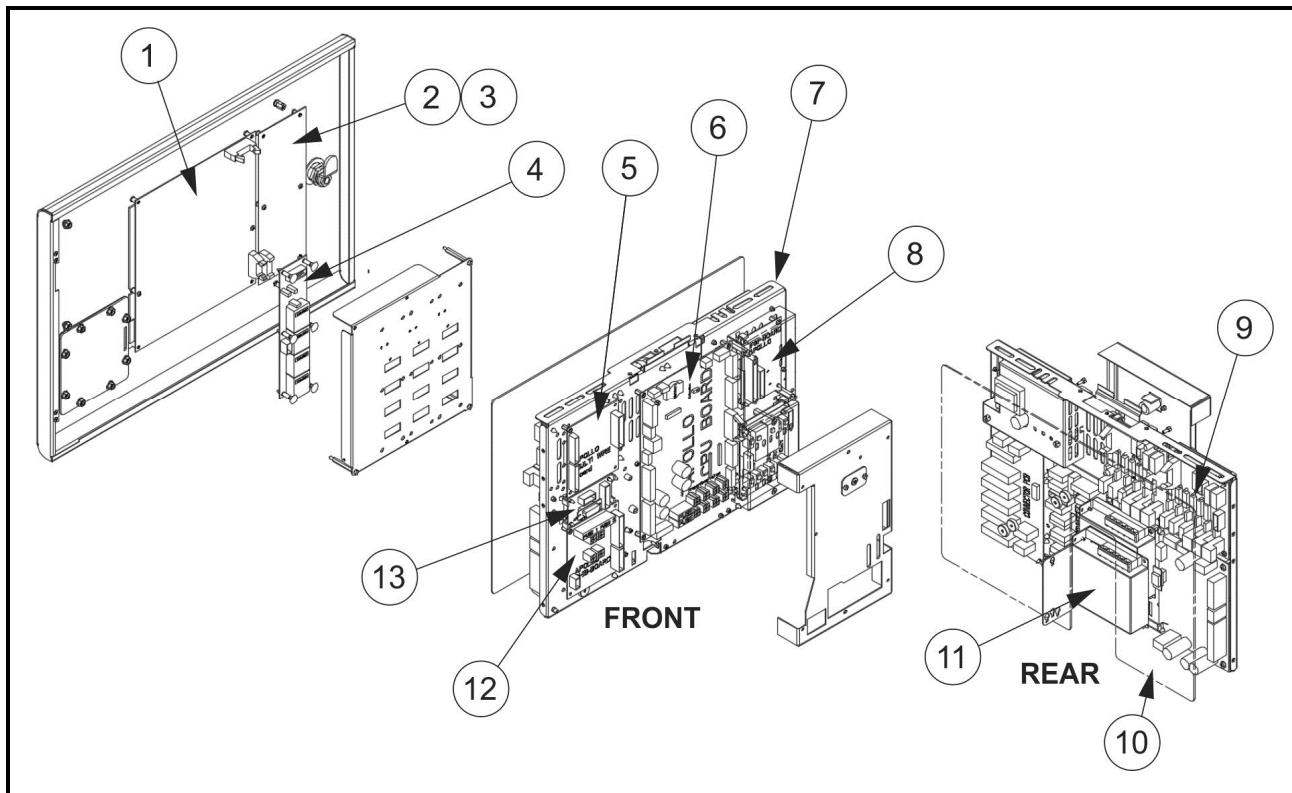
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-862-602	Cover - powder coated				
1a	1	140-861-412	Cover - stainless steel				
2	1	140-862-567	Side panel – powder coated				
2a	1	140-861-362	Side panel – stainless steel				
3	1	140-861-502	Front/rear panel with cyl. Lock and lock lever - powder coated				
3.1	1	140-863-403	Lock assembly cpl.				
3.2	1	140-324-346	Lock assembly without lock lever				
3.3	1	DQ40590-001	Key – panel & C.D.M.				
4	1	140-921-647	Side panel w/o hose – powder coated				
4a	1	140-921-637	Side panel one hose - powder coated				
5	1	140-550-194	Nut				
6	1	140-572-443	Mast with upper spring - 16mm. & 21mm. hose				
6.1	1	140-292-764	Upper spring – 16mm. & 21mm. hose				
6a	1	140-945-922	Mast with upper spring - 25mm. hose				
6.1a	1	140-436-834	Upper spring – 25mm. hose				
7	1	140-973-652	Column Assy. - 2 hose				

# Computer Head – E101 Electronics



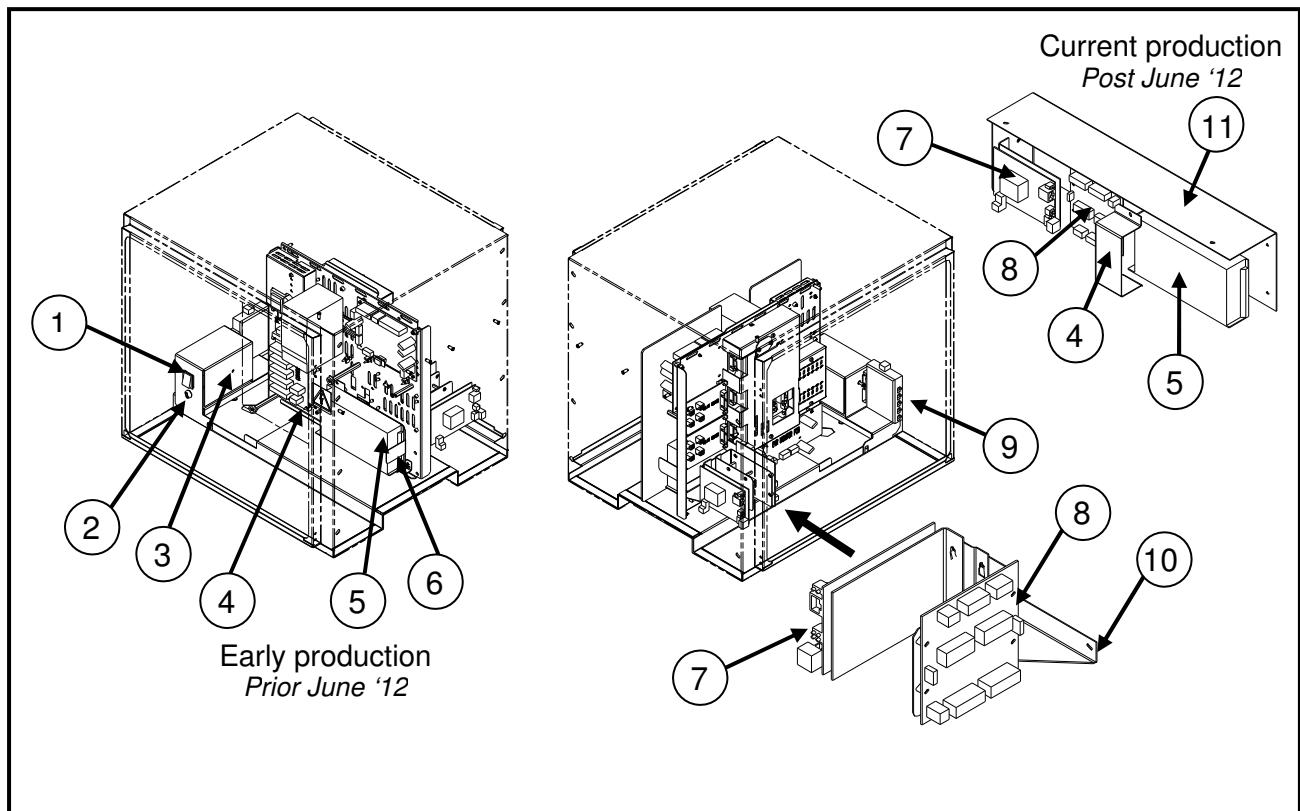
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-859-933	Accumulator kit cpl., 12V/1.3Ah	9	1	140-836-156	Motor AC Switching Board, single phase
2	1	140-836-136	Battery Backup Board	a	1	DQ44698-004	Fuse 6.3A. 20x5 s/blow ceramic
3	1	140-872-676	Vapour Monitoring Controller (VMC is only required with item 11, VRC 390/2 to operate)	b	4	DQ44698-006	Fuse 10A. 20x5 s/blow ceramic
4	1	140-876-465	Ecal Board, tested	c	1	DQ44698-008	Fuse 4A. 20x5 s/blow ceramic
a	2	DQ59407-001	Seal - Ecal Cover screw	10	1	140-896-806	POBA Parallel Output Board AC (LPG only)
b	1	DQ59407-010	Seal - Ecal switch - all states	11	1	140-781-276	VRC 390/2 (Need item 3 to operate)
5			Interfaces for data exchange: (Not used in AU)	11	1	140-941-275	VRB (Late version, item 3 NOT needed to operate)
a	1	140-770-966	IFSF Board	12	1	140-810-856	Switching power supply, 24V/100W
b	1	140-786-075	ER3 Interface	12a	1	141-001-976	Power supply – RS-75-24
c	1	140-822-846	ATCL Interface	12b	1	141-093-416	Power supply – LRS-75-24
d	1	140-884-406	PIB Pumalan , opto isolated Board	a	1	141-002-563	Bracket – power supply
6	1	140-876-475	CPU Board, tested	13	1	140-941-485	IS Interface Board, tested
7	1	140-836-076	Proportional Drive Valve Board	a	1	140-847-166	Cable IS Hub to Nozzle PCB
7a	1	DN10444	Probe Comms PCB (LPG only)	14	1	140-863-806	Switch Connector PCB - Nozzles
8	1	140-948-106	STP AC Switching Board, 3 phase	a	1	140-847-176	Cable Switch Connector PCB to IS Hub PCB
a	1	DQ44698-004	Fuse 6.3A. 20x5 s/blow ceramic	15	1	140-894-876	Display BUS Splitter PCB
b	1	DQ44698-005	Fuse 2A. 20x5 s/blow ceramic	16	1	140-889-843	Retaining bracket – PCB panel

## Computer Head – Apollo Electronics



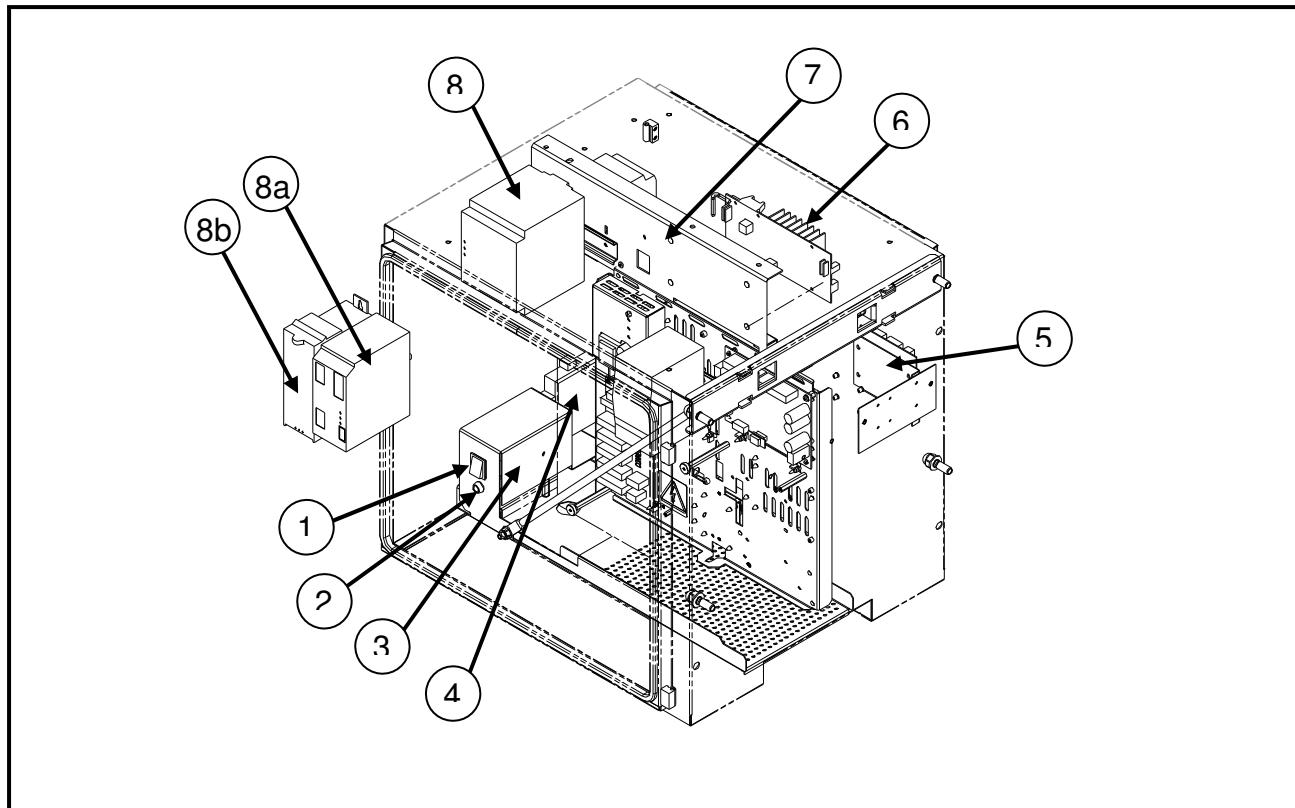
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	141-107-915	Main display with buzzer				
1a	1	141-100-255	Main display lite w/out buzzer				
2	1	141-065-136	Multi PPU display				
3	1	141-100-506	Multi PPU display 5 grade				
4	1	141-065-076	Totaliser E-Tote assy.				
5	1	141-081-186	Multi wire board				
6	1	141-095-955	CPU board				
7	1	141-081-871	Mounting plate				
8	1	141-081-176	IFSF PCA				
9	1	141-081-206	PIB PCA				
10	1	140-883-423	Window - with cutout				
11	1	141-093-416	Power supply MW LRS75-24				
12	1	141-081-196	PHIB PCA				
13	1	141-075-996	Adaptor board				

## Pay At Pump in Computer Head (Woolworths)



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	DQ44570-001	Mains Switch – Rocker				
2	1	DK09846	Fuse holder and lead				
2a	1	DQ44697-002	Fuse – 2A, 20 x 5 F/Blow				
3	1	DN10158	Bracket – HUB and SW Assy				
4	1	DN10169	Cover – Power Supply				
5	1	DN09901	Power Supply, 100W – PRODUCTION USE ONLY				
5	1	DK09999-004	Power Supply, 100W - SPARES USE ONLY				
6	1	DN10106	Bracket – Power Supply				
7	1	402-8211172	PLETH				
8	1	DT09749	Interconnect PCB				
9	1	DQ44782-005	HUB				
10	1	DN10112	Mounting Barcket				
11	1	DR10426	Mounting Bracket				

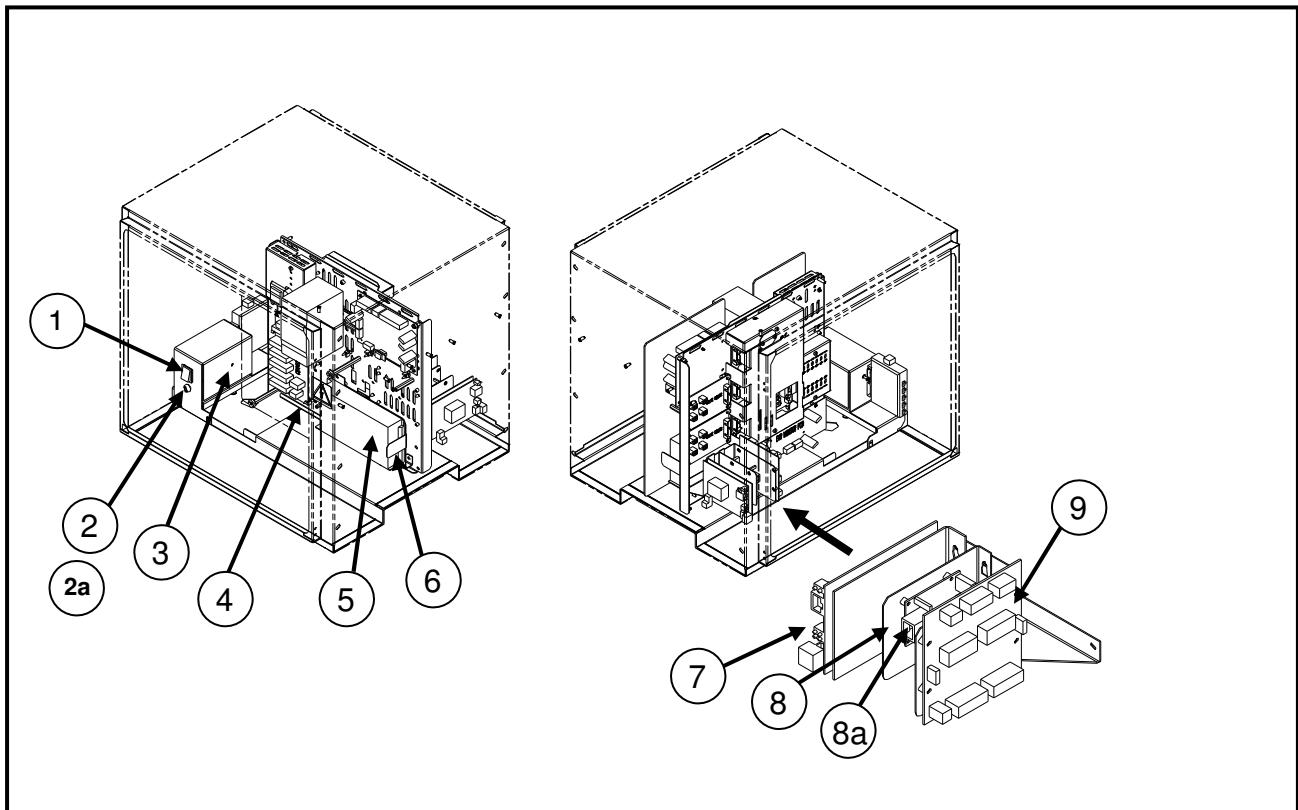
## Pay At Pump in Computer Head (Caltex)



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	DQ59407-001	Mains switch - rocker				
2	1	DK09846	Fuse holder and lead				
2a	1	DQ446975-002	Fuse – 2A. 20 x 5 F/Blow				
3	1	DN10158	Bracket – HUB and SW Assy.				
4	1	DQ44782-006	HUB				
5	1	DT09749	Interconnect PCB				
6	1	DK10373	GLRE PCB				
7	1	DR10308	Bracket UPS/PS mount				
8	1	DQ44107-001	UPS Phoenix 24V.DC - prior to Oct. '12				
8a	1	DQ44107-002	UPS Power supply - post Oct. '12				
b	1	DQ44105-009	UPS Battery pack – post Oct. '12				

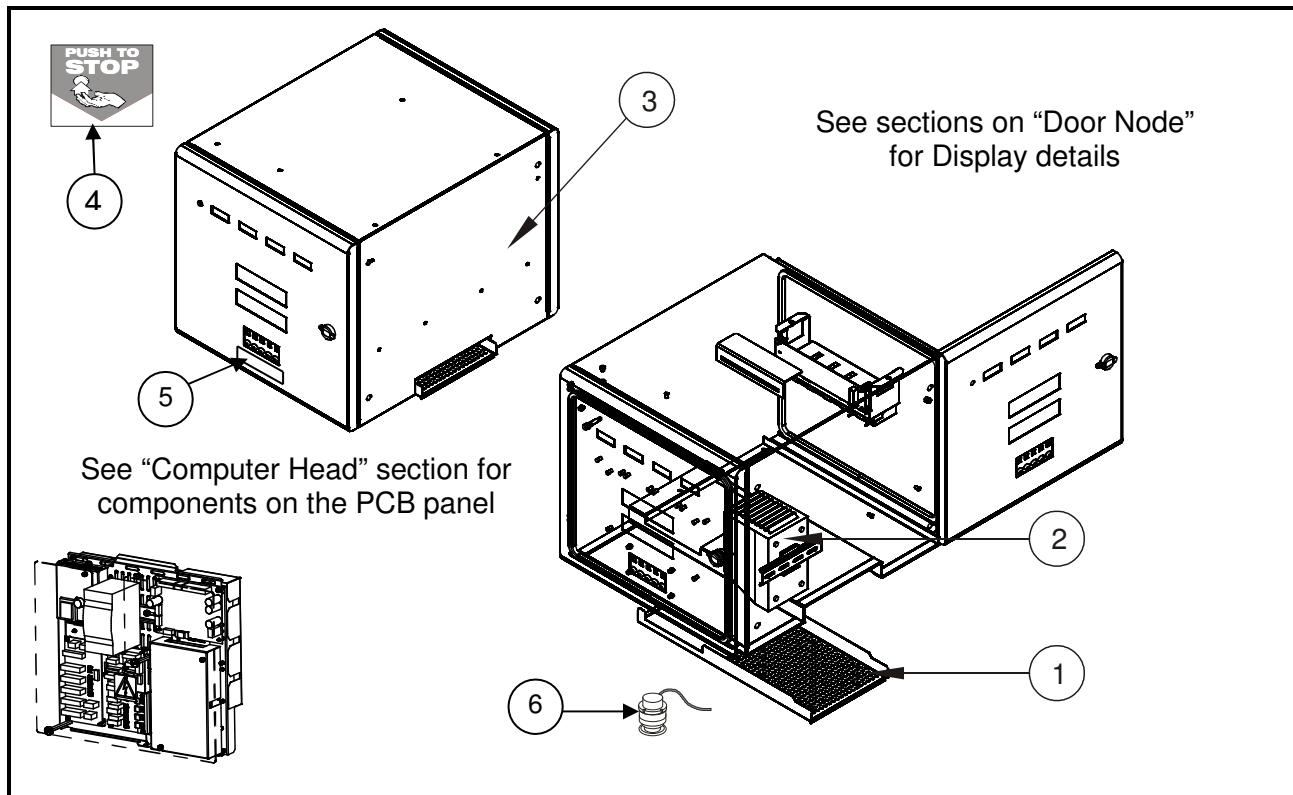
*Item 8a & 8b must be replaced at the same time – if batteries ONLY are required for Item 8, then 2 off DQ44105-008 batteries are required.*

## VR2 Communication with 2-Wire loop (OLC Option)



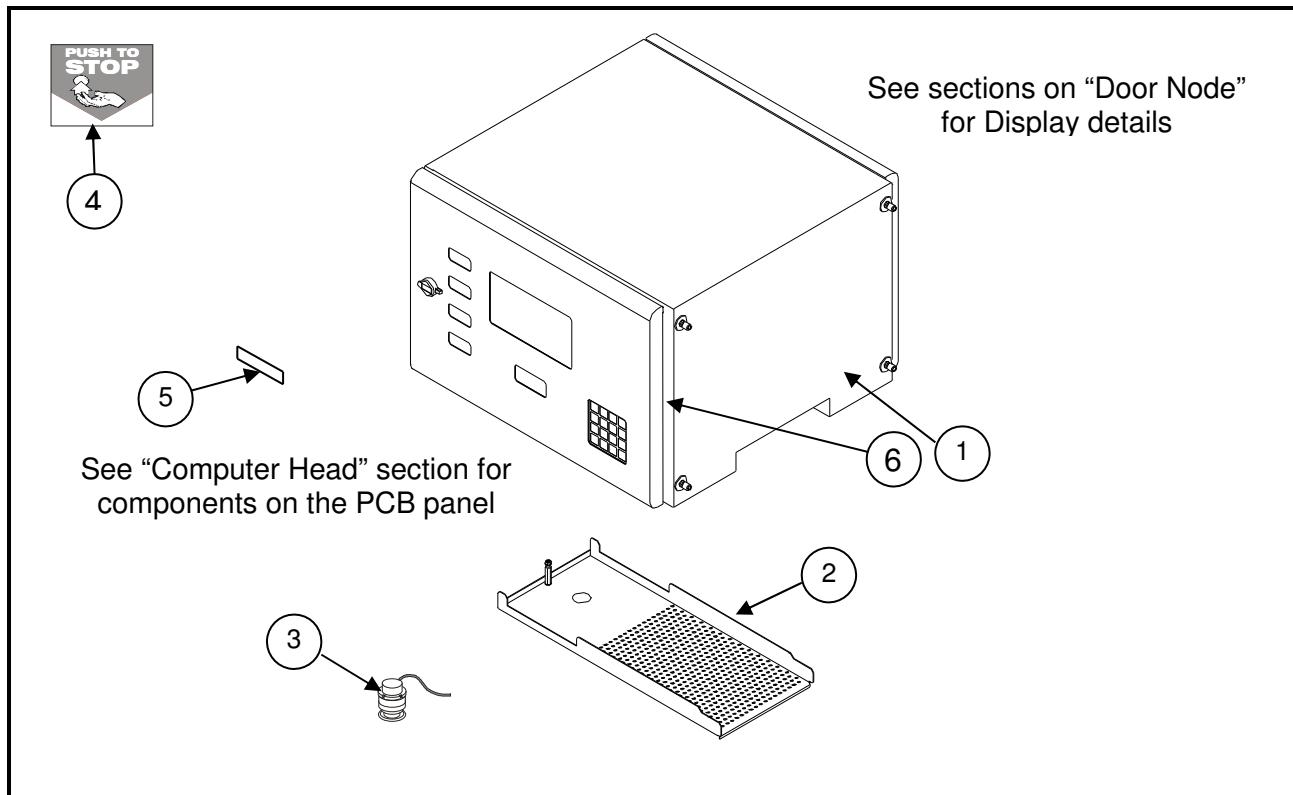
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	DQ44570-001	Mains Switch – Rocker				
2	1	DK09846	Fuse holder and lead				
2a	1	DQ44697-002	Fuse – 2A, 20 x 5 f/blow				
3	1	DN10158	Bracket – HUB and SW Assy				
4	1	DN10169	Cover – Power Supply				
5	1	DN09901	Power Supply, 100W – PRODUCTION USE ONLY				
5	1	DK09999-004	Power Supply, 100W - SPARES USE ONLY				
6	1	DN10106	Bracket – Power Supply				
7	1	402-821-172	PLETH				
8	1	DN10108	Convertor & Bracket RS485 to TCP/IP, Include 8a				
8a	1	DQ44788-001	Convertor PCB MOXA				
9	1	DT09749	Interconnect PCB				

## Display Housing – Standard Head



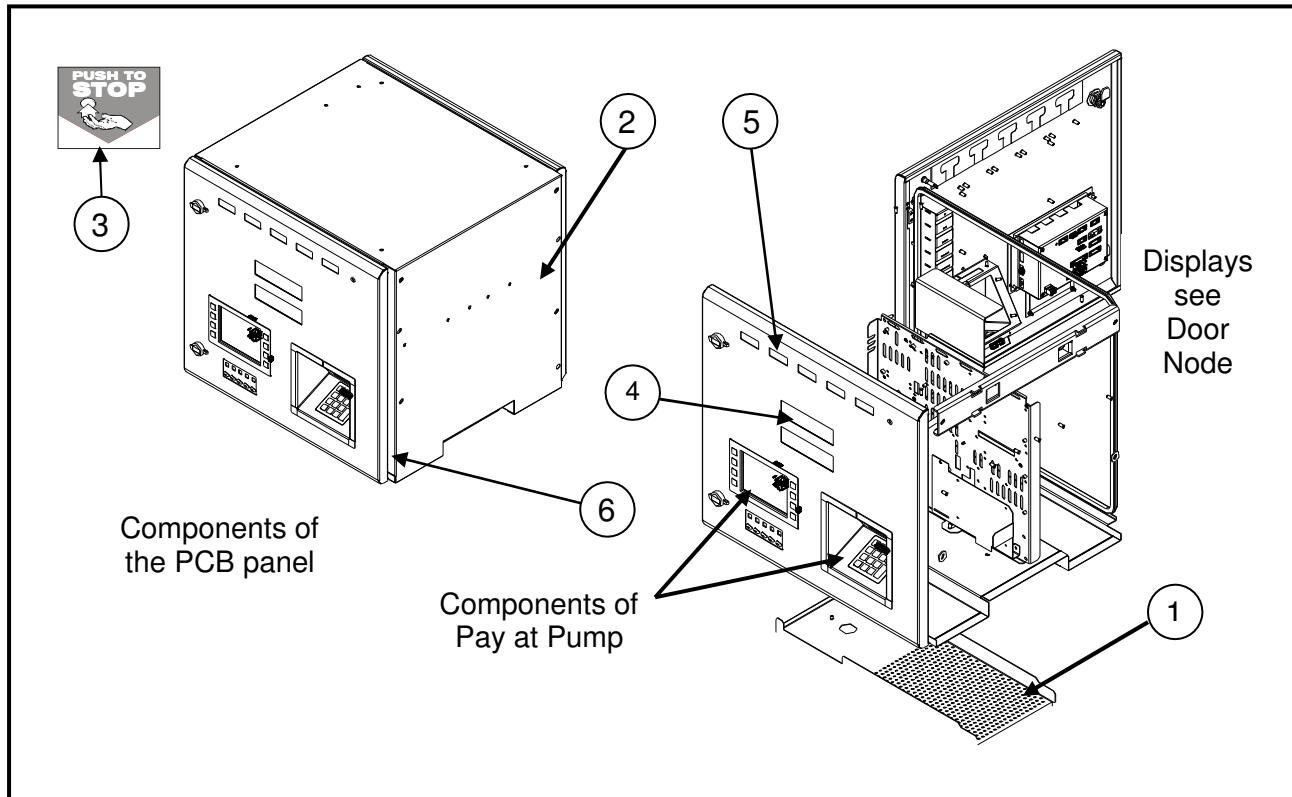
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-942-772	Cover with e/stop switch hole				
2	1	140-866-233	Kit for heating 230V/550W with fixing				
2.1	1	140-662-776	Fan heater (Not used in AU)				
3	1	140-847-042	Display housing 420 x 450 cpl.				
4	2	DQ59412-002	Decal – PUSH to STOP				
5	2	DQ59216-015	Decal operating instruction – 4 steps				
5a	2	DQ59216-016	Decal operating instruction – 3 steps				
5b	2	DQ59216-020	Decal oper. instruct. – N.Z. only				
6	1	140-942-813	Stop button kit – includes items 6.1 & 6.2				
6.1	1	141-022-416	Stop button assembly				
6.2	1	140-942-804	Cable - short				

## Display Housing – Combi Display Head



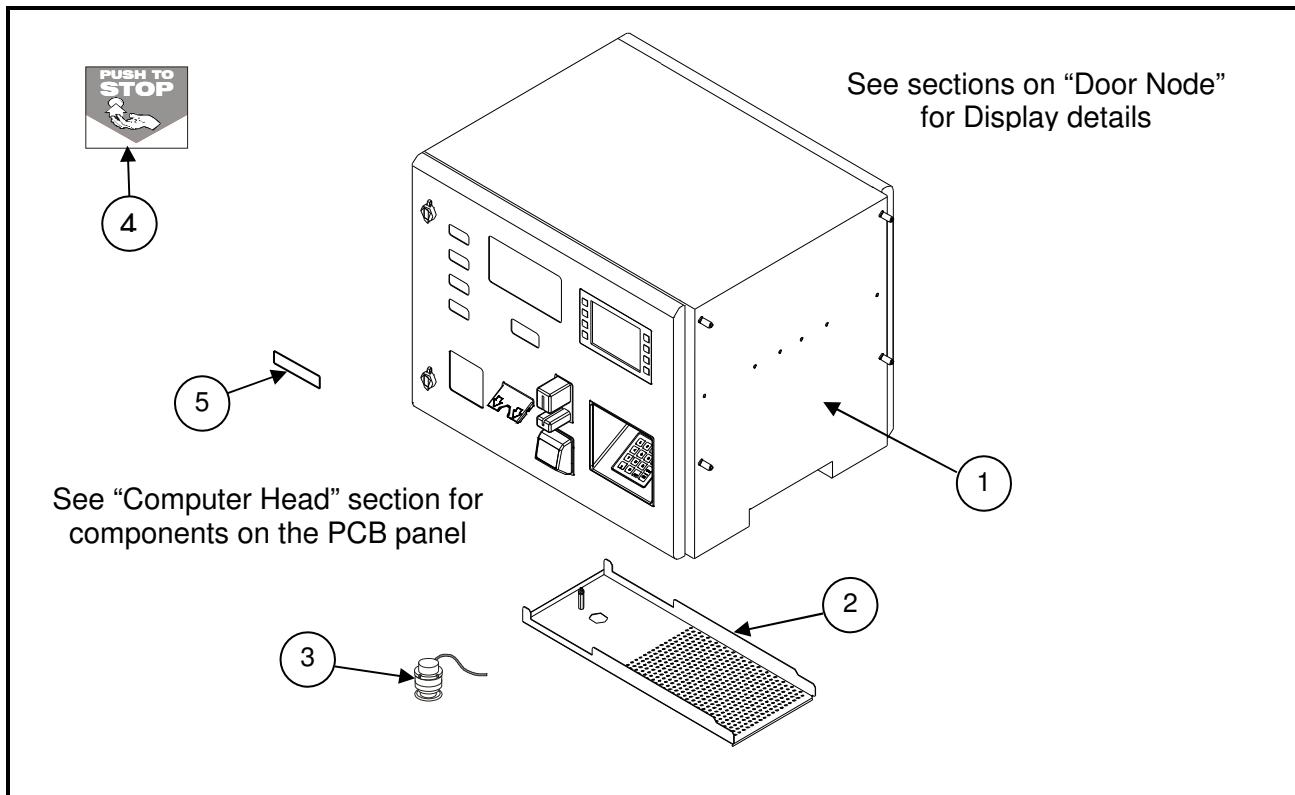
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-938-611	Display housing				
2	1	140-944-777	Cover with e/stop switch hole				
3	1	140-942-813	Stop button kit – includes items 6.1 & 6.2				
3.1	1	141-022-416	Stop button assembly				
3.2	1	140-942-804	Cable - short				
4	2	DQ59412-002	Decal – PUSH to STOP				
5	2	DQ59216-015	Decal operating instruction – 4 steps				
5a	2	DQ59216-016	Decal operating instruction – 3 steps				
5b	2	DQ59216-020	Decal oper. instruct. – N.Z. only Black on clear background				
5c	2	DQ59216-022	Decal oper. instruct. – N.Z. only White on clear background				
6	1	140-852-313	Hinge mount - plastic				
6a	2	140-861-686	Screw socket hd. M4 x 8				
6b	2	DQ41501-010	Washer M4				

## Display Housing – Big Head (Woolworths)



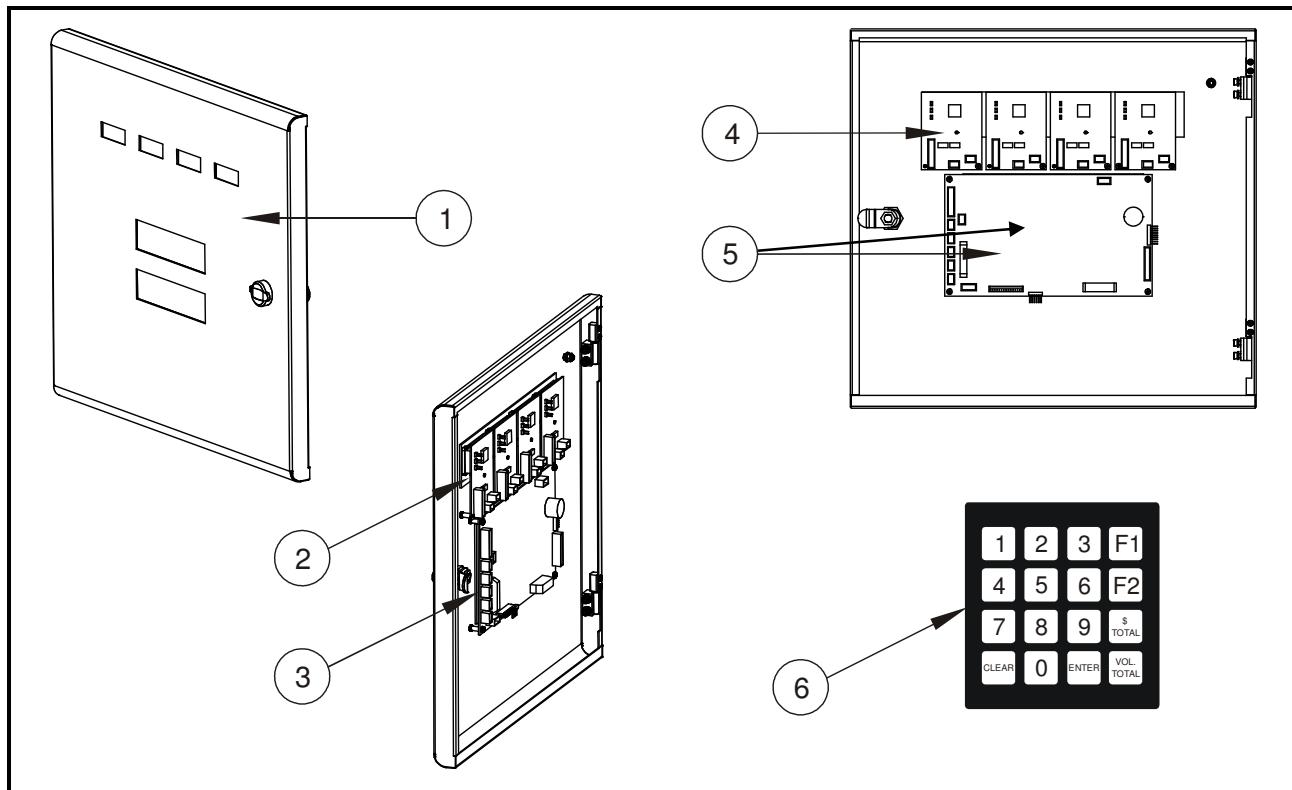
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-950-812	Cover with hole for Push button				
2	1	140-950-967	Display housing				
3	2	DQ59412-002	Decal – PUSH TO STOP				
4	1	140-962-833	Window pane – Price & Volume				
5	1	140-962-843	Window pane – 5 PPU				
5		140-962-863	Window pane – 3 PPU & 4 PPU				
6	1	140-852-313	Hinge mount - plastic				
6a	2	140-861-686	Screw socket hd. M4 x 8				
6b	2	DQ41501-010	Washer M4				

## Display Housing – Big Head (Caltex)



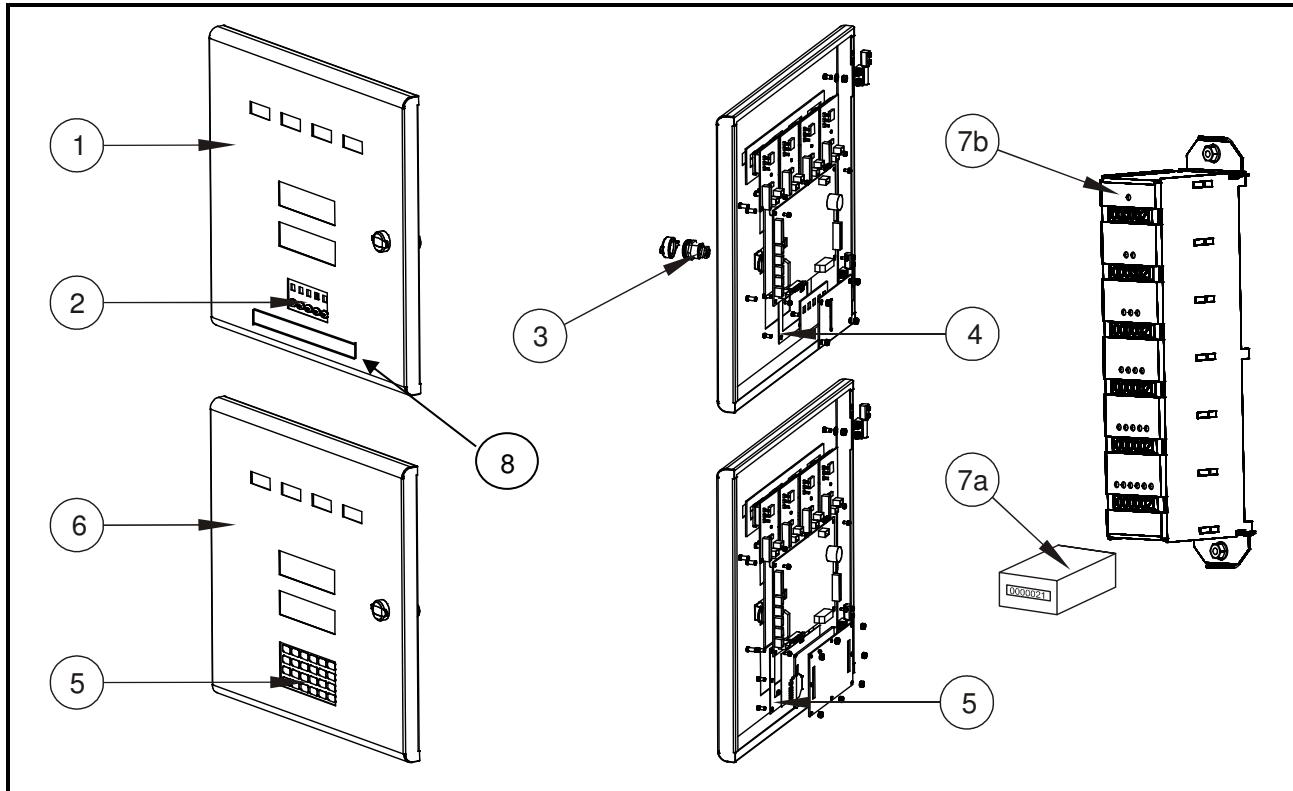
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-999-761	Display housing				
2	1	140-922-152	Cover with e/stop switch hole				
3	1	140-942-813	Stop button kit – includes items 6.1 & 6.2				
3.1	1	140-941-774	Stop button assembly				
3.2	1	140-942-804	Cable - short				
4	2	DQ59412-002	Decal – PUSH to STOP				
5	2	DQ59216-015	Decal operating instruction – 4 steps				
5a	2	DQ59216-016	Decal operating instruction – 3 steps				
5b	2	DQ59216-020	Decal oper. instruct. – N.Z. only				

## CDM Door – Without Preset



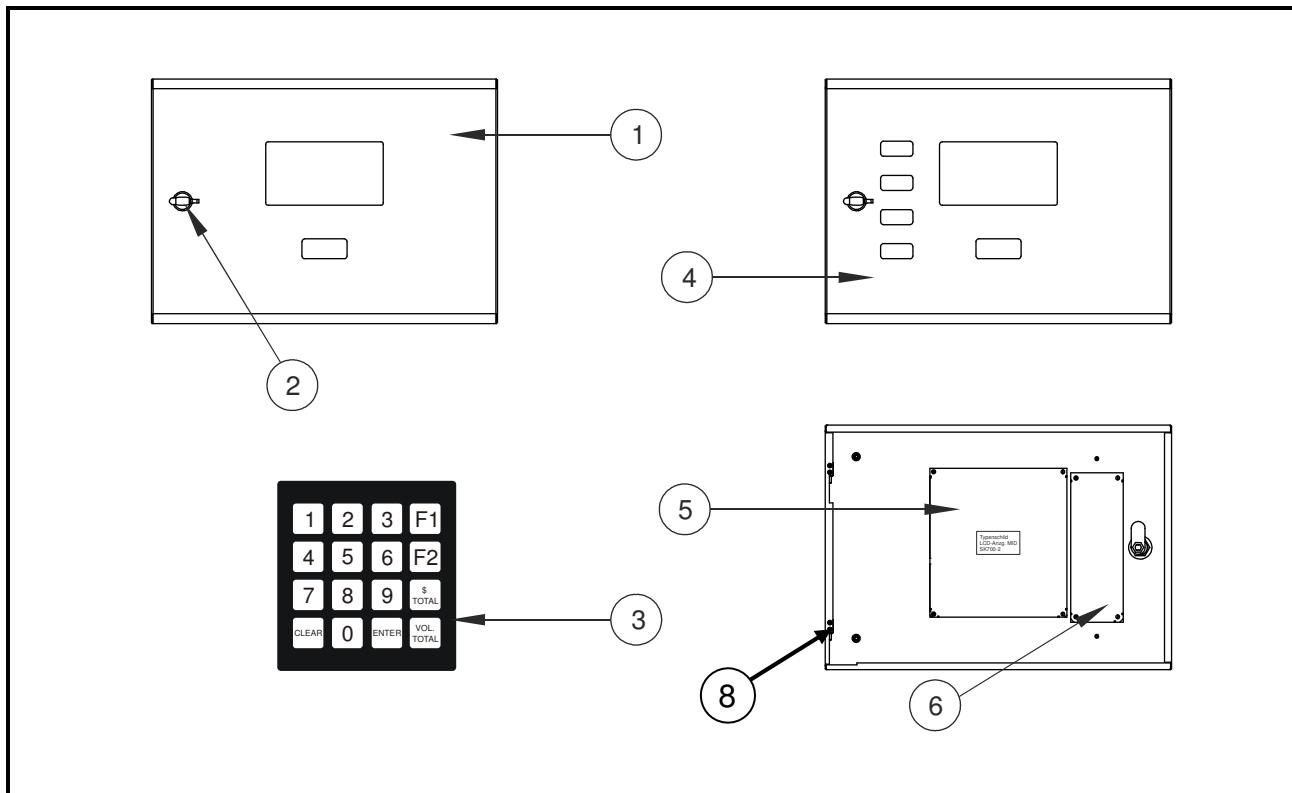
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1			<b>Door powder coated:</b>				
a	1	140-852-217	Door for 1 PPU				
b	1	140-852-227	Door for 2 PPU				
c	1	140-852-237	Door for 3 PPU				
d	1	140-852-247	Door for 4 PPU				
<i>Notice: All doors without lettering.</i>							
2	1	140-756-324	Pane for PPU display				
3	1	140-851-913	Pane for volume and amount display				
4	1	140-851-986	Display for PPU				
5	1	140-876-455	Display for volume and amount, tested				
6	1	140-868-196	Manager Key-Pad				

## CDM Door – With Optional Presets



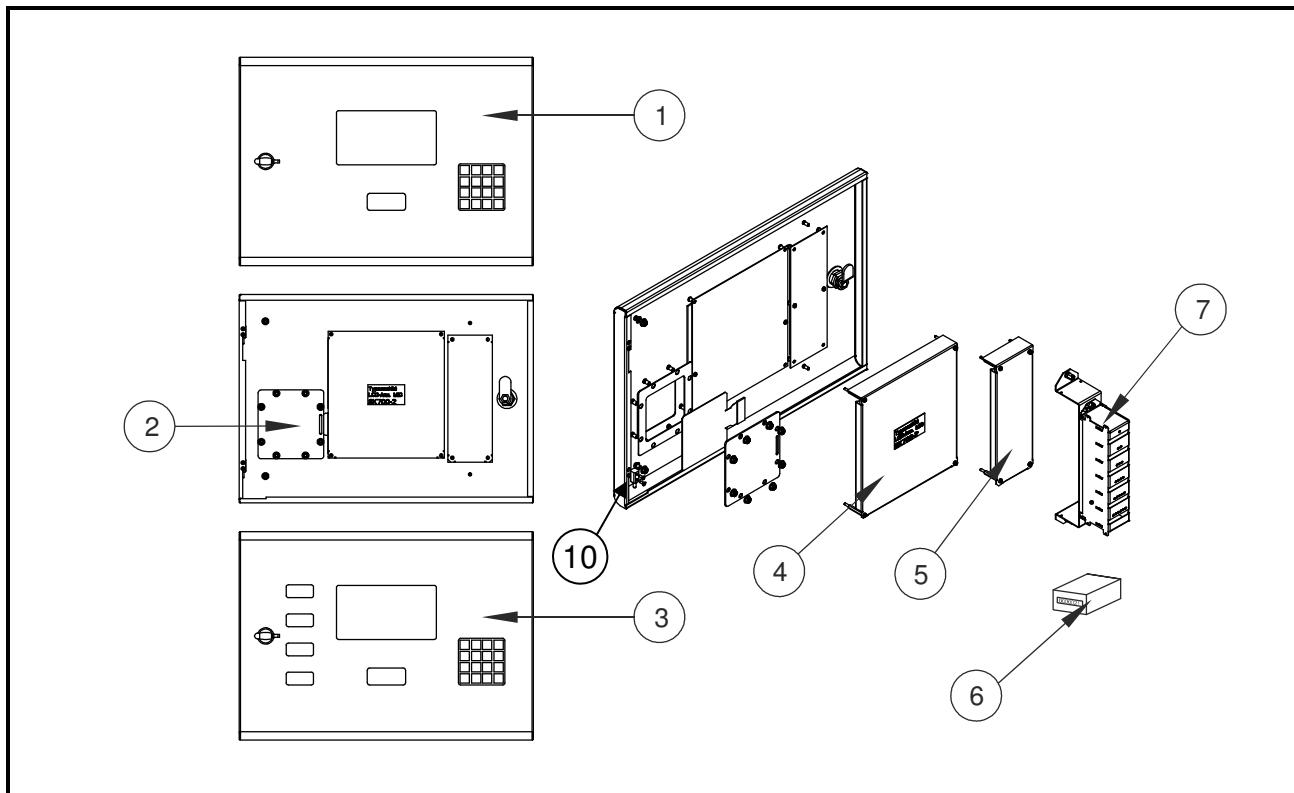
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
<b>1</b>			<b>Door for preselection, powder coated:</b>	<b>6</b>			<b>Door for preselection with keypad, powder coated (Not used in AU):</b>
a	1	140-853-197	Door for 1 PPU	a	1	140-852-887	Door for 1 PPU (Not used in AU)
b	1	140-853-207	Door for 2 PPU	b	1	140-852-897	Door for 2 PPU (Not used in AU)
c	1	140-853-217	Door for 3 PPU	c	1	140-852-907	Door for 3 PPU (Not used in AU)
d	1	140-853-227	Door for 4 PPU	d	1	140-852-917	Door for 4 PPU (Not used in AU)
<i>Notice: All doors without lettering/screening.</i>							
<b>2</b>	<b>1</b>	<b>140-775-086</b>	<b>Preselection keypad</b>	<b>7</b>			<b>Totaliser:</b>
2.1	1	140-942-494	Lettering for keypad (1,5,10,\$/L,C) not included in item 2	a	1	140-777-386	Totaliser Unit with 152.4mm Cable
2.2	1	140-997-434	Lettering for keypad (1,5,10,20,C) not included in item 2	a	1	140-910-806	Totaliser Unit with 540mm Cable
				a	1	140-915-923	Totaliser Unit with 1500mm Cable
				b	1	140-871-171	Holder for Totaliser
<b>3</b>	<b>1</b>	<b>140-914-725</b>	<b>Cyl. Lock cpl.</b>	<i>New totes that plug directly into display BUS on display PCB</i>			
<b>4</b>	<b>1</b>	<b>140-779-644</b>	<b>Gasket for preselection keypad</b>	<b>7.1</b>		<b>141-065-076</b>	<b>Totaliser unit – 4 totes</b>
<b>5</b>	<b>1</b>	<b>140-916-385</b>	<b>Keypad for preselection with gasket (Not used in AU)</b>	<b>7.2</b>		<b>141-075-106</b>	<b>Totaliser unit – 2 totes</b>
				<b>8</b>	<b>2</b>	<b>DQ59216-015</b>	<b>Decal operating instruction – 4 steps</b>
				<b>8a</b>	<b>2</b>	<b>DQ59216-016</b>	<b>Decal operating instruction – 3 steps</b>
				<b>8b</b>	<b>2</b>	<b>DQ59216-020</b>	<b>Decal operating instruct. – N.Z. only</b>

## CDM Door – Combi Display Without Preset



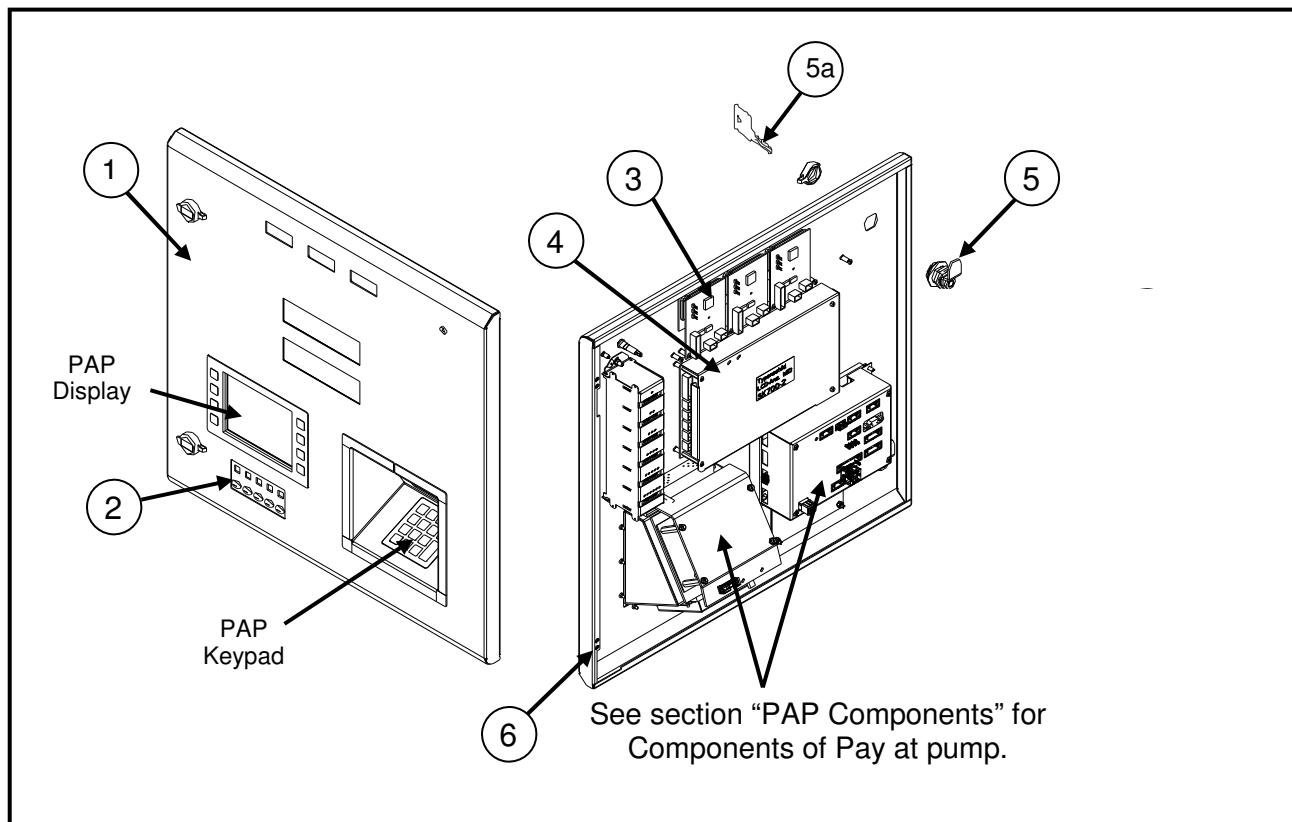
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-942-127	Door powder coated, for 1 PPU <i>Notice: All doors without lettering!</i>				
2	1	140-914-725	Cyl. Lock – DOM pre Aug 2016				
2a	1	141-101-623	Cyl. Lock – RONIS post Aug. 2016				
3	1	140-868-196	Manager Key-Pad				
4	1	140-942-147	Door powder coated, for multi PPU				
5	1	140-970-835	Combi main display, routine tested/MID				
6	1	140-950-006	Multi PPU display				
7	2	DQ59216-015	Decal operating instruction – 4 steps				
7a	2	DQ59216-016	Decal operating instruction – 3 steps				
7b	2	DQ59216-020	Decal operating instruct. – N.Z. only				
8	1	140-852-303	Hinge Pin - plastic				
8a	2	140-857-396	Screw csk. hd M3 x 8				

## CDM Door – Combi Display With Preset



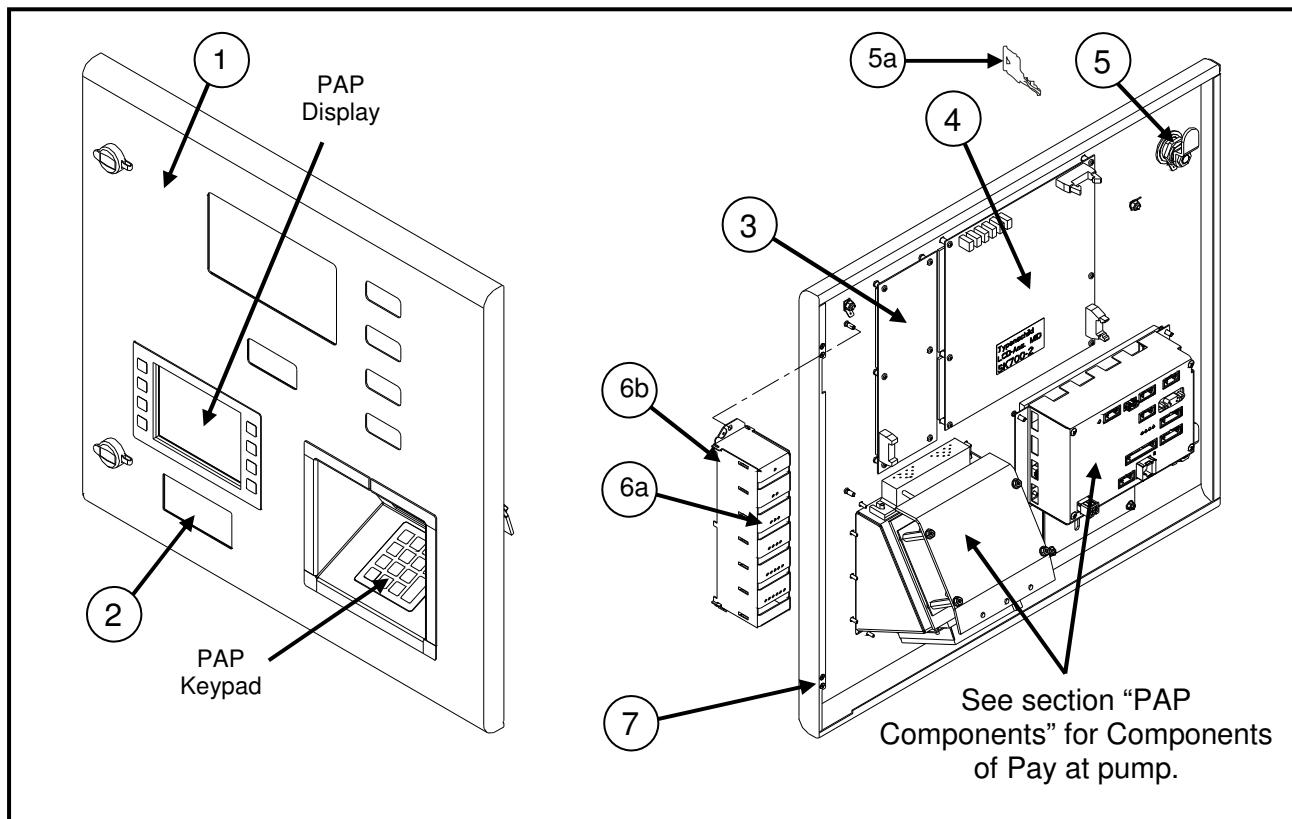
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-942-167	Door for preselection, powder coated, for 1 PPU bare door  Notice: All doors without lettering!				New totes that plug directly into display BUS on display PCB
2	1	DN10778	Preset assembly – 5 button Includes items 2a, 2b & 2d	8a	1	141-065-076	Totaliser unit – 4 totes
2a	1	140-948-005	Preselection keypad & ribbon cable	8b	1	141-075-106	Totaliser unit – 2 totes
2b	1	140-986-214	Preselection keypad fascia - 5 button	9	2	DQ59216-015	Decal operating instruction – 4 steps
2c	1	141-035-713	Preselection keypad fascia – N.Z. only	9a	2	DQ59216-016	Decal operating instruction – 3 steps
2d	1	140-943-243	Preset backing plate	9b	2	DQ59216-020	Decal operating instruct. – N.Z. only
2e	1	DK10375	Preset blanking plate	10	1	140-852-303	Hinge pin - plastic
2f	1	140-943-273	Gasket – blanking plate	10a	2	140-857-396	Screw csk. hd M3 x 8
3	1	140-942-187	Door for preselection, powder coated, for multi PPU				
4	1	140-955-093	Cover for combi main display				
5	1	140-955-113	Cover for multi PPU				
6		140-777-386	Totaliser Unit with 152.4mm Cable				
6a		140-910-806	Totaliser Unit with 540mm Cable				
6b		140-915-923	Totaliser Unit with 1500mm Cable				
7	1	140-871-171	Holder for Totaliser				

## CDM Door – Big Head (Woolworths - Version 1)



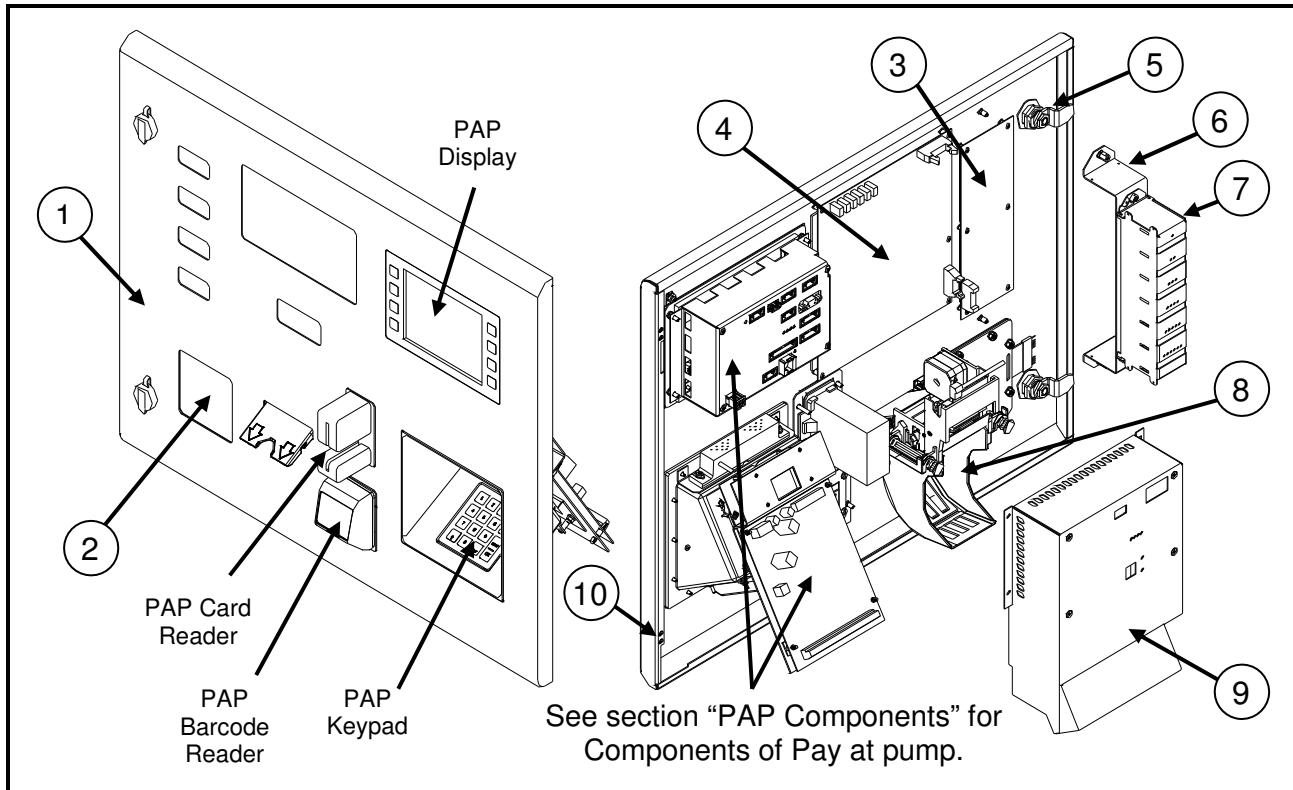
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-955-547	Door for Big Head & 3 PPU Powder coated				
1	1	140-956-597	Door for Big Head & 4 PPU Powder coated				
2	1	140-775-086	Preset keypad – without lettering				
2	-	DN10273-001	Preset & Lettering - includes item 2.1				
2.1	1	140-942-494	Lettering for keypad (1,5,10.\$/L,C)				
2	-	DN10273-002	Preset & Lettering - includes item 2.2				
2.2	1	140-977-434	Lettering for keypad (1,5,10,20,C)				
3	1	140-851-986	Display for PPU				
4	1	140-876-455	Display for volume and amount, tested				
5	1	140-914-725	Cyl. Lock cpl.				
5a	1	DQ40590-001	Key – Panel & C.D.M.				
6	1	140-909-093	Hinge pin – S.S.				
6a	2	140-857-396	Screw csk. hd M3 x 8				

## CDM Door – Big Head (Woolworths - Version 2)



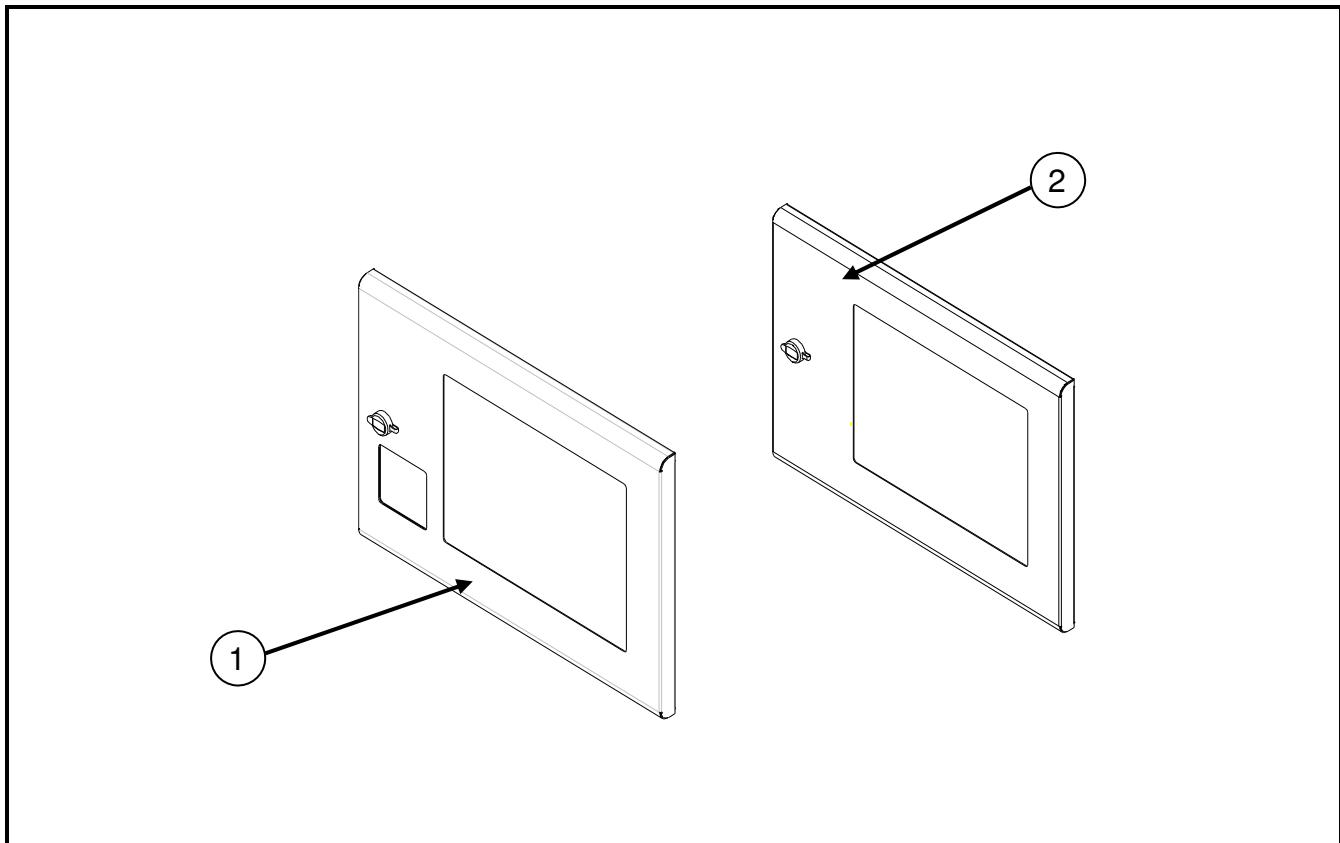
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-980-777	Door for Big Head & 4 PPU Powder coated				New totes that plug directly into Display BUS on display PCB
1.1	1	DK10418	Insert – display blanking	6.1	1	141-065-076	Totaliser unit – 4 totes
2	1	140-775-086	Preset keypad – without lettering	6.2	1	141-075-106	Totaliser unit – 2 totes
2	-	DN10273-001	Preset & Lettering - includes item 2.1	7	1	140-909-093	Hinge pin – S.S.
2.1	1	140-942-494	Lettering for keypad (1,5,10,\$/L,C)	7a	2	140-857-396	Screw csk. hd M3 x 8
2	-	DN10273-002	Preset & Lettering - includes item 2.2				
2.2	1	140-977-434	Lettering for keypad (1,5,10,20,C)				
3	1	140-950-006	Multi PPU display				
4	1	140-970-835	Combi main display, routine tested /MID				
5	1	140-914-725	Cyl. Lock cpl.				
5a	1	DQ40590-001	Key – Panel & C.D.M.				
6			<b>Totaliser:</b>				
a	1	140-871-171	Holder for totaliser				
b		140-777-386	Totaliser Unit with 152.4mm. Cable				
c		140-910-806	Totaliser Unit with 540mm. Cable				
d		140-915-923	Totaliser Unit with 1500mm. Cable				

## CDM Door – Big Head (Caltex)



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-994-451	Door PAP – 4 PPU	8	1	DQ44755-007	Printer Hengstler C-56
2	1	M00142B002	Preset keypad	8.1	1	DK10248	Gasket – Printer
2.1	1	140-986-214	Fascia self adhesive	8.2	1	DQ08721-005	Paper Roll – Thermal
2.2	1	140-986-214	Fascia self adhesive	9	1	DT10473	Cover
3	1	140 950 006	Multi PPU display	10	1	140-909-093	Hinge pin – S.S.
3.1	1	140-986-393	Window PPU	10a	1	140-857-396	Screw csk. hd M3 x 8
4	1	140 970 835	Combi main display, routine tested/MID				
4.1	1	140-986-383	Window main display				
5	1	140-914-725	Cyl. Lock – DOM pre Aug. 2016				
5.1	1	DQ40590-001	Key – Panel & CDM				
5a	1	141-101-623	Cyl. Lock – RONIS post Aug. 2016				
6	1	140 980 683	Bracket – 25mm High				
7	1	140 871 171	Holder- Totaliser				
7.1	1	140-777-386	Totaliser Unit with 152.4mm Cable				
	1	140-910-806	Totaliser Unit with 540mm Cable				
	1	140-915-923	Totaliser Unit with 1500mm Cable				
			New totes that plug directly into display BUS on display PCB				
7a		141-065-076	Totaliser unit – 4 totes				
7b		141-075-106	Totaliser unit – 2 totes				

## CDM Door – Multimedia Display

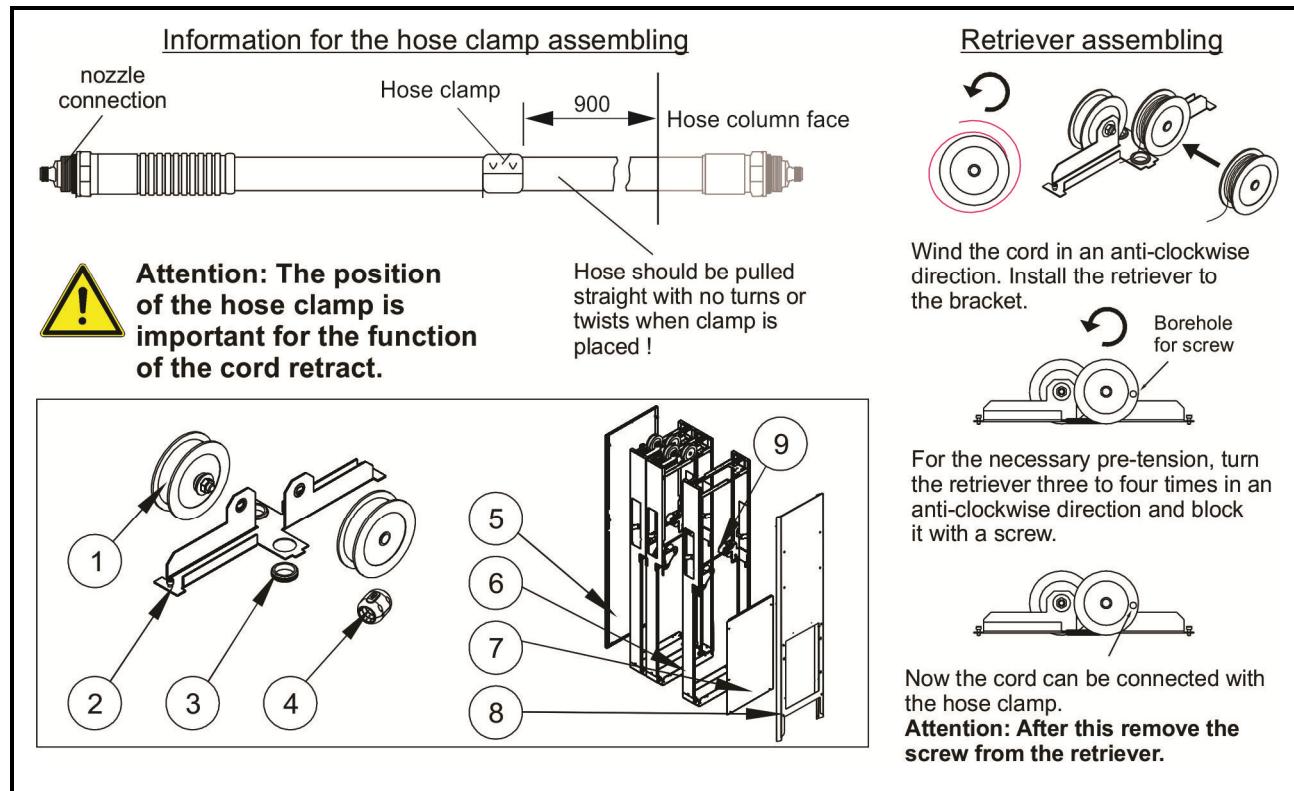


Item	Qty	Part No.	Description
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1	1	140-983-087	SK700-2 Door Only for Multimedia with Preset, Powder-coated White
2	1	140-997-097	SK700-2 Door Only for Multimedia, No Preset, Powder-coated White

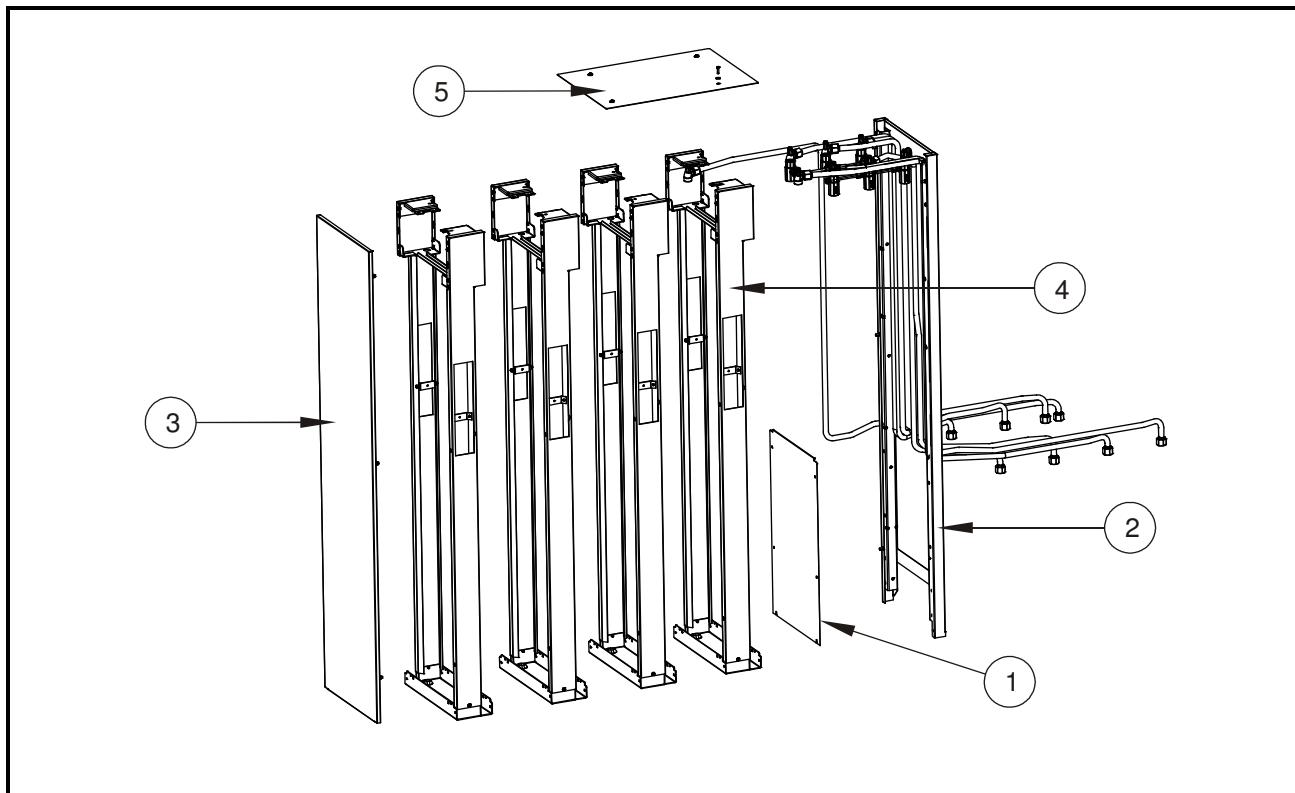
Item	Qty	Part No.	Description
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## Hose Column – With Hose Retraction



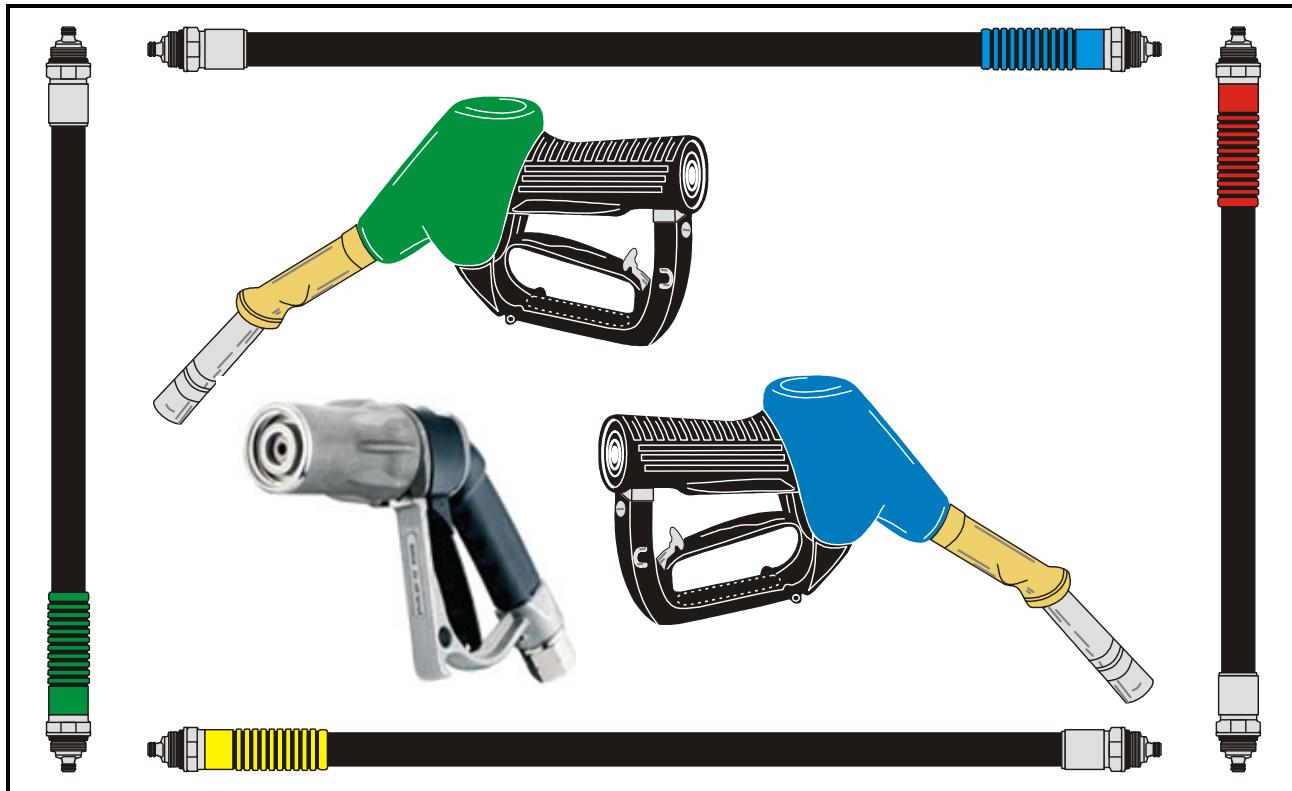
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-854-156	Retriever reel and cable	8	1	140-923-311	Distance profile 50 cpl., stainless steel
1.1	1	140-855-876	Cable for retriever	8.1	1	140-916-361	Distance Profile, Non-Combi w/Hose Retract
2	1	140-862-332	Reel hanger assembly	8.2	1	140-959-951	Distance Profile, Combi w/Hose Retract
Includes items 1, 2a, 3				8.3	1	141-053-281	Distance Profile, Combi w/Hose Retract. Low boot
2a	1	140-862-292	Reel hanger bracket	9	1	140-840-802	Roller
3	1	140-856-976	Rubber piece				
4	1	140-983-803	Hose clamp cpl. – Petrol & LPG used as breakaway on LPG				
4a	1	140-932-213	Reducing insert – 16mm. dia. hose				
5	1	140-923-122	Side panel for hose column, powder coated				
5.1	1	140-923-162	Side panel, stainless steel				
5.2	1	141-053-902	Side panel, P.C. low boot				
6	1	140-923-072	Hose column cpl., powder coated				
6.1	1	140-923-062	Hose column cpl., stainless steel				
6a	1	141-053-142	Hose column cpl., powder coated low boot – post Aug.2016				
7	1	140-930-195	Panel with fixing – without LPG				

## Hose Column – Without Hose Retraction



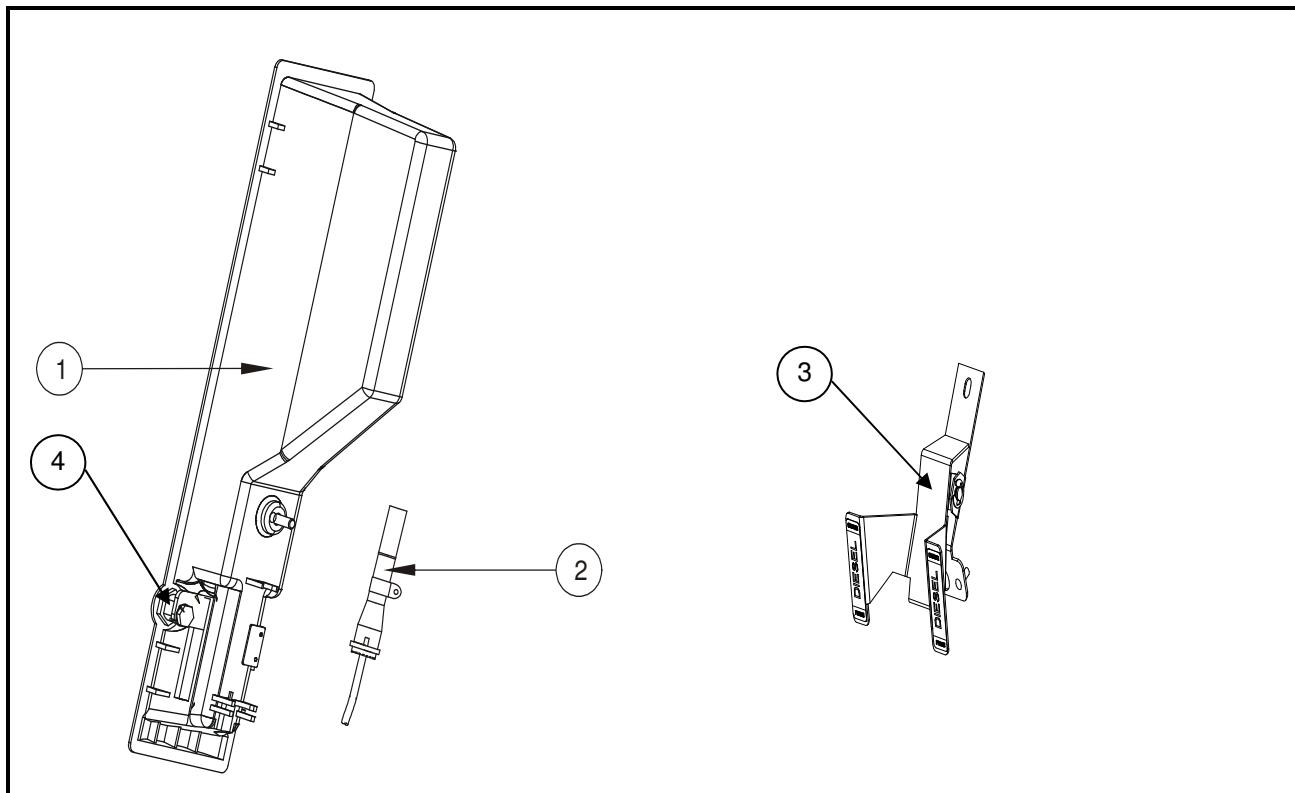
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-828-765	Panel with fixing – without LPG				
2			<b>Distance profile cpl.:</b>				
a	1	140-915-332	Stainless steel				
b	1	140-925-112	Distance Profile Non-Combi, Non-Retract				
c	1	140-946-151	Distance Profile Combi, Non-Retract				
3			<b>Side panel for hose column:</b>				
a	1	140-915-352	Stainless steel				
b	1	140-925-612	Powder coated				
4			<b>Hose column cpl.:</b>				
a	1	140-915-311	Stainless steel				
b	1	140-924-541	Powder coated				
5			<b>Cover, stainless steel:</b>				
a	1	140-916-433	Cover 213 mm for 1 hose column				
b	1	140-919-103	Cover 378 mm for 2 hose columns				
c	1	140-915-373	Cover 545 mm for 3 hose columns				
d	1	140-915-393	Cover 708 mm for 4 hose columns				

## Hoses and Nozzles – Petrol, Diesel and LPG



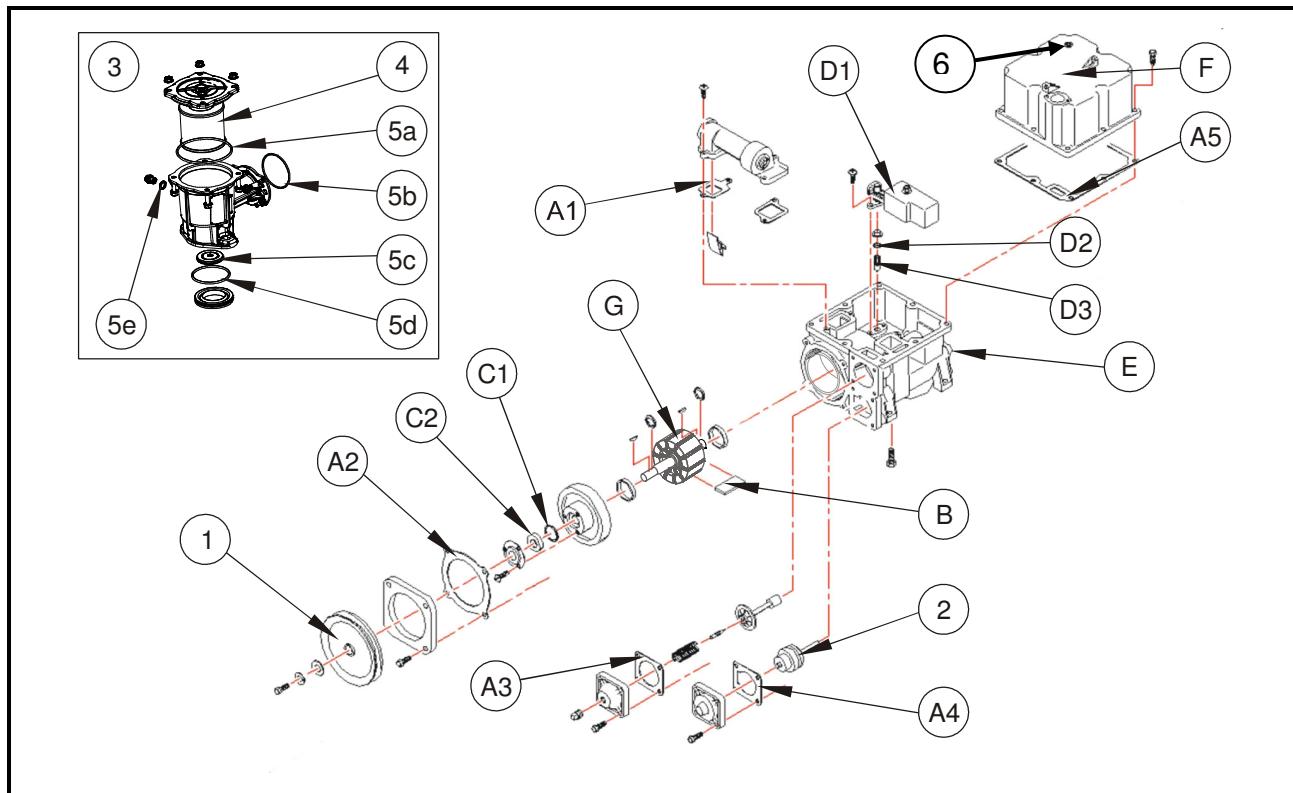
Item	Qty	Part No.	Description	Item	Part No.	Description
			Following are standard available hoses and nozzles. All are fitted with antikinking sleeve at the nozzle end.	a	102-ZVA23M.1R	Nozzle 21mm. (O.D.) spout with safety break – not VR2
⋮			<b>Hoses for Petrol and Diesel with hose retraction, and without coloured identification sleeve:</b>	a	102-ZVA23M.R	Nozzle 21mm. (O.D.) spout without safety break – not VR2
a	1	140-963-216	Hose 16dia. x 4.70m. long	102-ZVA2GRV3M	Nozzle 21mm. (O.D.) spout for vapour recovery	
b	1	140-918-696	Hose 19dia. x 4.70m. long	a	102-ZVA2H3M	Nozzle 25mm. (O.D.) spout for H HI-FLO diesel (supplied with new pump)
c	1	140-918-666	Hose Coax 21dia. x 4.70m. long - VR2	a	102-ZVA25.3M	Nozzle 31mm. (O.D.) spout for Ultra high flow
d	1	140-918-596	Hose LT 21dia. x 4.70m. long – HF Diesel	102-ZVA3MF-ADBLUE	AdBlue nozzle 19mm. spout with fixed hose adaptor	
⋮			<b>Hoses for Petrol and Diesel without hose retraction, and without coloured identification sleeve:</b>	a	102-ZVA3M-ADBLUE	AdBlue nozzle 19mm. spout with swivel hose adaptor
a	1	140-920-246	Hose 19dia. x 3.30m. long	102-EA075ADBLUE	Swivel adaptor (for above nozzle)	
b	1	140-920-266	Hose Coax 21dia. x 3.30m. long - VR2	102-SSB16SS	Swivel straight safe break 1" BSP	
c	1	140-920-286	Hose 25dia. x 3.15m. long – UHF	102-ELAFIX40	Magnetic AdBlue nozzle adaptor	
d	1	140-920-226	Hose 21dia. x 3.30m. long	a	109-GG1DNS	LPG Nozzle - c/w strainer
			<b>Hoses for IOD Diesel with flexmast:</b>			<i>Note:</i>
a	1	140-920-935	Hose 21dia. x 4.0m. long			<i>SK7002 nozzle boots require nozzle trigger guards with mounting wings and magnet. (Elaflex Slimline 2 nozzles).</i>
b	1	140-962-316	Hose LT 25dia. x 4.0m. long			<i>Refer DT00102-060 for all nozzle spare parts including LPG.</i>
			<b>Hoses for AdBlue without coloured identification sleeve:</b>			
a	1	140-839-976	Hose 16dia. x 5.4m. long			
b	1	140-994-996	Hose 16dia. x 4.2m. long			
⋮			<b>Hoses for LPG with hose retraction, and without coloured identification sleeve:</b>			
a	1	DK03060-012	Hose with fittings – after breakaway			
a	1	DK03060-007	Hose with fittings – before breakaway			
			<i>(The hose fittings are not re-useable)</i>			

## Nozzle Boot and Switch



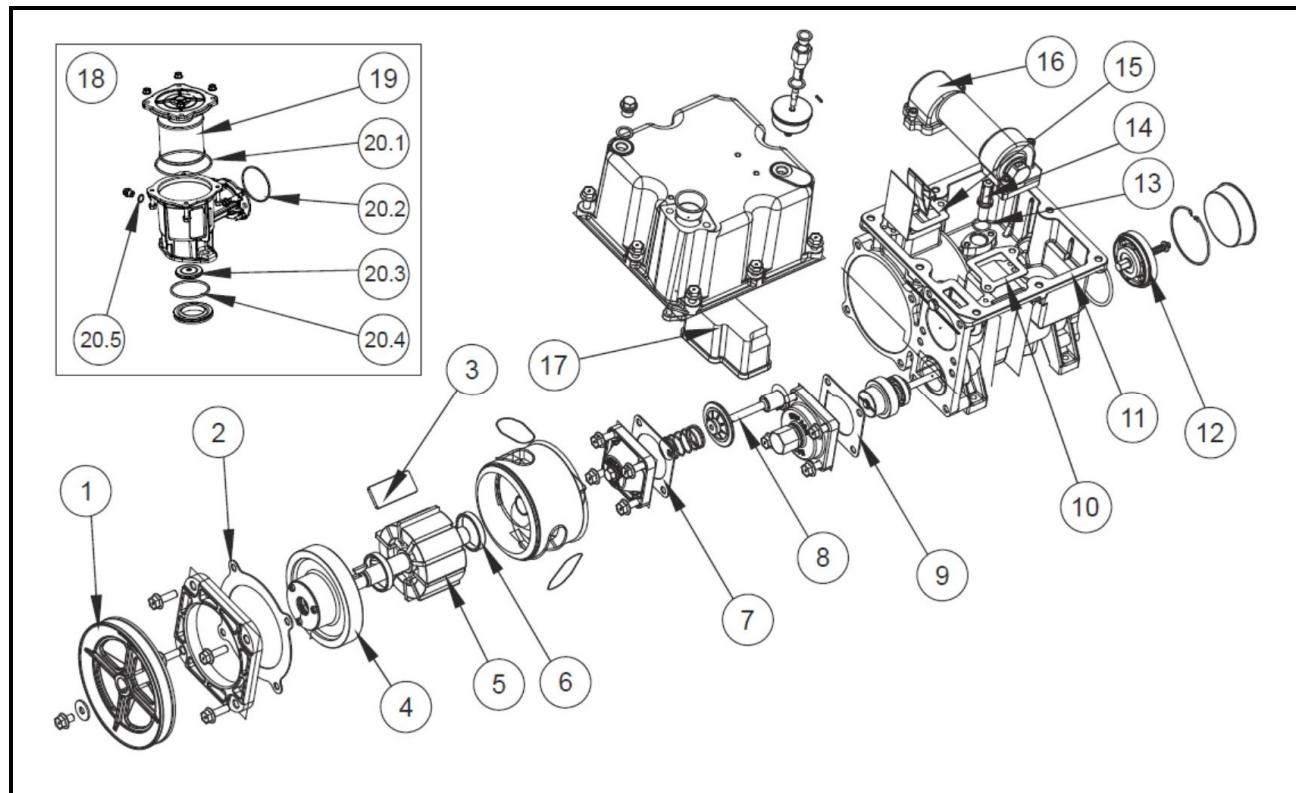
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
<b>1</b>			<b>Nozzle boot with fixing screw</b>	<b>3b</b>			<b>Diesel nozzle lock kit - 2 hole</b>
a	1	140-756-892	Nozzle boot with key lock	3.1	1	DR10615	- post Sept 2016
b	1	140-756-912	Nozzle boot without key lock	3.2	1	DQ59424-001	Diesel nozzle lock – without decals
c	1	DQ40590-002	Key – nozzle boot lock only	<b>3c</b>			<b>AdBlue nozzle lock - 2 hole</b>
<b>1a</b>	<b>1</b>	<b>DN10348</b>	<b>Nozzle boot - 32mm. UHF nozzle</b> With key lock	3.1a	1	DR10615	- post Sept.2016
				3.2a	1	940-129/570	Nozzle lock – without decals
							Decal – caution diesel press
<b>2</b>	<b>1</b>	<b>140-857-134B</b>	<b>Magnet switch with 2 way connector (as shown)</b>	<b>4</b>			<b>Nozzle Boot Lock</b>
<b>Alternative.</b>				a	1	140-446-686	ZYL-Lock Assy with 1 Key
<b>2</b>	<b>1</b>	<b>140-941-824</b>	<b>Magnet switch with 2 way connector (flat type switch)</b>	b	1	140-446-696	Security Washer
<b>2a</b>	<b>1</b>	<b>140-945-945</b>	<b>Magnet switch with 2 way connector (flat switch type) with mounting screws and cable clip</b>	c	1	140-620-624	Bolt
				d	1	999-999-000	Spare Key for boot lock
<b>3</b>	<b>1</b>	<b>DN07630-349</b>	<b>Diesel nozzle lock kit - 3 hole</b> includes fixing - pre Sept 2016	<b>4a</b>	<b>1</b>	<b>141-091-976</b>	<b>Lock Assy. 45°</b>
3.1	1	DR10135-001	Diesel nozzle lock – includes decals	4.1	1	140-091-986	Latch 45°
3.2	1	DQ59424-001	Decal – caution diesel press				
<b>3a</b>			<b>AdBlue nozzle lock - 3 hole</b> includes fixing - pre Sept 2016				
3.1a	1	DR10135	Nozzle lock – without decals				
3.2a	1	940-129/570	Decal – caution AdBlue press				

## Pumping Unit – GPU-90



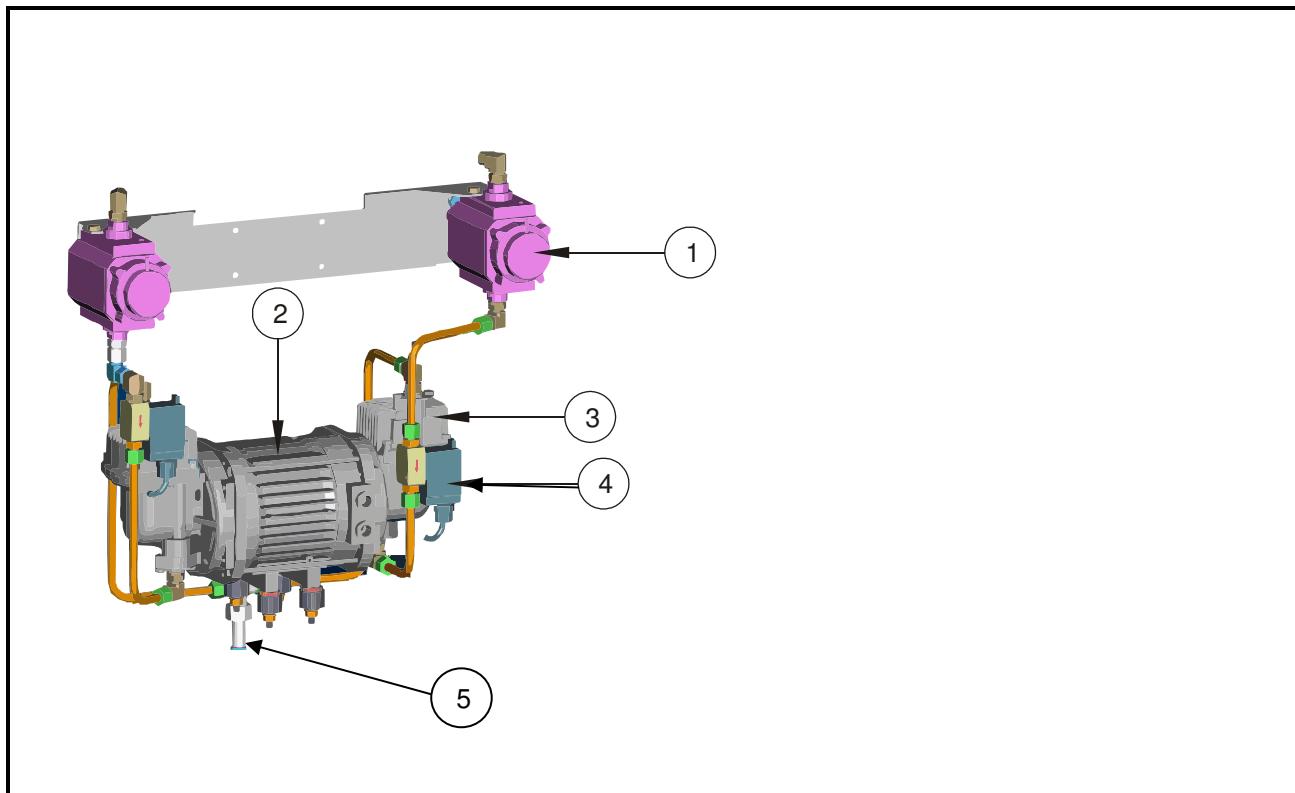
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
A	1	140-837-636	Master seal kit, contains positions A1-A5	3	1	140-823-372	Filter DN50 cpl. for pumping unit GPU
B	1	141-021-103	Blade kit, contains ten blades	4	1	140-818-946	Filter element 70µ
C	1	140-837-646	Lip seal kit, contains positions C1 and C2 – small diameter drive shaft	5	1	140-914-735	Sealing kit for filter DN 50
D	1	140-837-656	Float kit, contains positions D1-D3	5a	1	140-551-486	O-Ring 114 x 4
E	1	140-837-666	Inlet check valve kit, with O-ring and check valve assembly (not shown in the drawing)	5b	1		O-Ring 75 x 3
F	1	140-837-676	Overflow check valve kit, with air valve housing, gasket, valve, float and retaining ring (not shown in the drawing)	5c	1		Valve disk
G	1	140-837-686	Rotor kit, contains rotor, shaft and blades	5d	1		O-Ring 76 x 4
1	1	140-830-186	Belt pulley	5e	1		Sealing ring 13,5 x 18 x 1
2	1	140-830-216	Bypass valve	6	1	DQ49316-003	Elbow – Brass - used with copper vent tubes
				⋮	1	140-941-515	Pumping unit GPU 90, tested small diameter drive shaft
				⋮	1	141 055 805	Pumping unit GPU 90, tested large diameter drive shaft
						140-943-326	Lip seal - 20mm. x 40mm. x 10mm.
						140-904-856	Master seal kit
						807-M04920K102	Gasket kit - complete

## Pumping Unit – GPU-90S



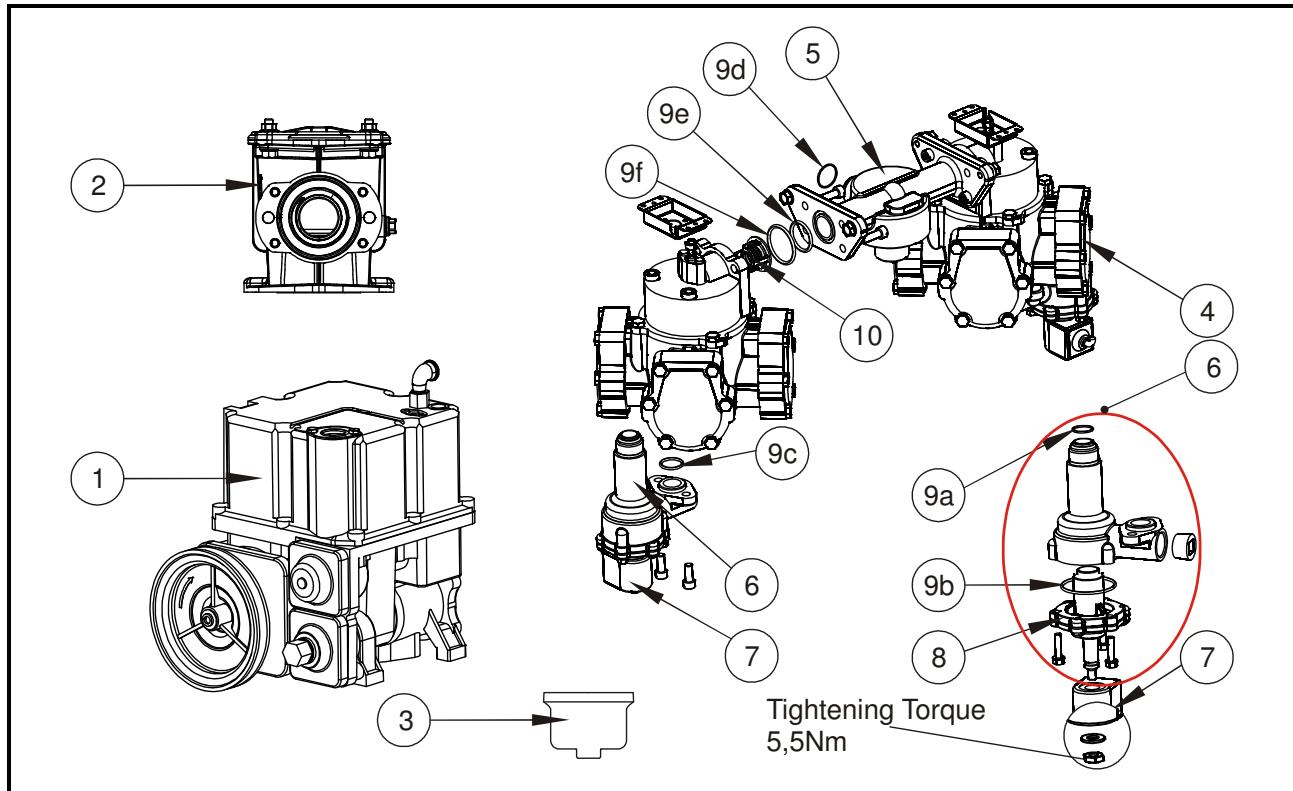
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-985-052	Belt pulley	17	1	140-989-492	Float
2	1	140-958-542	Gasket	18	1	140-823-372	Filter DN50 cpl. for pumping unit
3	1	141-021-103	Blade Kit – 10x blades with gaskets	19	1	140-818-946	Filter element 70µ
4	1	141-071-203	Kit for rotor cap, cpl.	20	1	140-914-735	Sealing kit for filter DN50
5	1	140-955-363	Rotor cpl. With shaft		20.1	140-551-486	O-Ring 114 x 4
6	1	140-959-033	Ejection ring	20.2			O-Ring 75 x 3
7	1	141-070-803	Gasket for check valve	20.3			Valve disk
8	1	141-014-833	Check valve	20.4			O-Ring 76 x 4
9	1	141-084-843	Gasket for bypass valve	20.5			Sealing ring 13,5 x 18 x 1
10	1	140-958-763	Gasket for cyclone exit	21	-	n.a.	Pump cartridge cpl.
11	1	140-958-372	Gasket large	⌚	1	141-055-805	Pumping unit GPU 90S, routine tested/MID
12	1	141-007-673	Kit for check valve				(components not shown in the drawing)
13	1	140-989-706	O-ring				
14	1	140-989-673	Float small				
15	1	140-958-753	Gasket for cyclone input				
16	1	140-964-832	Cyclone cpl.				

## Vapour Recovery System - Durr



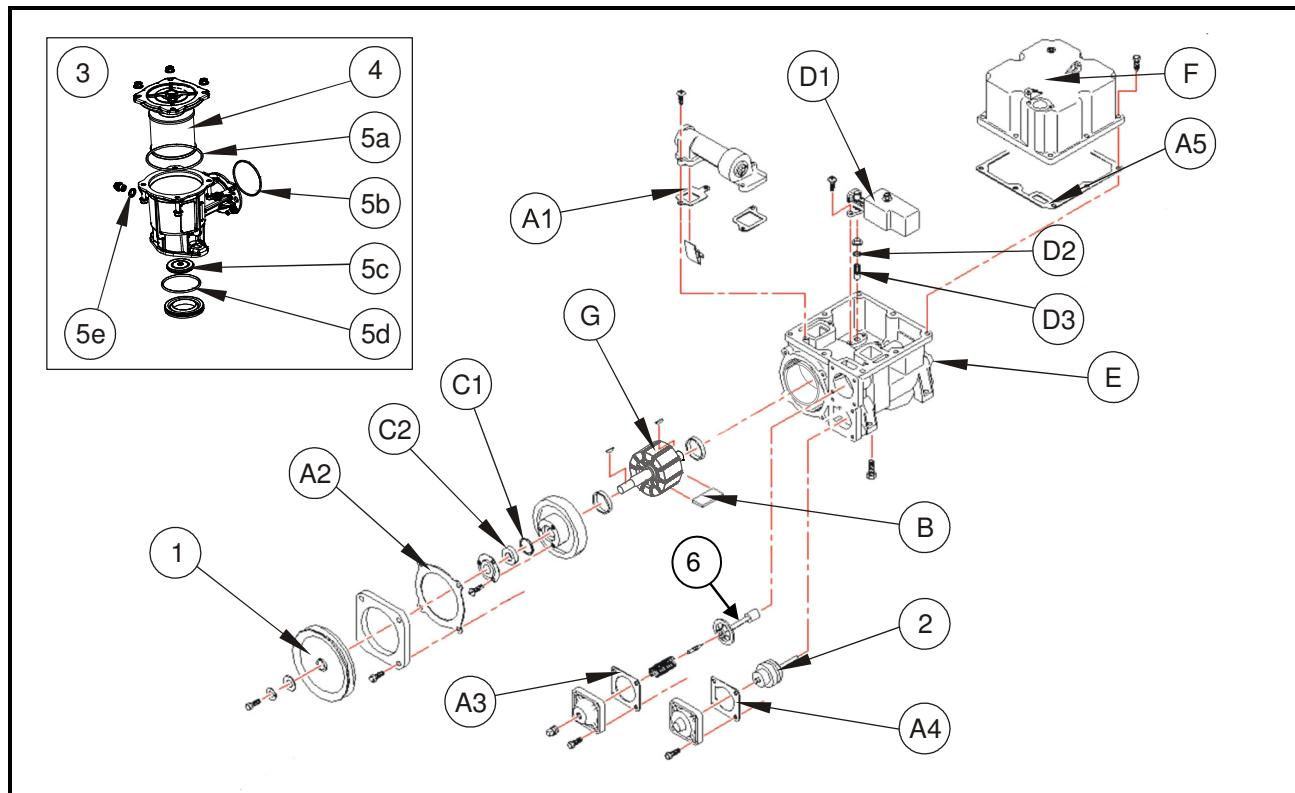
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	301-0330020-545	Flowmeter with encoder				
2			Vacuum pump assembly Dürr				
	1	DQ64000-001	Vacuum pump assembly				
3	1	140-919-996	Vacuum pump Dürr,	3.1	1	140-920-016	Coupling for gas pump
3.2	1	140-920-026	Fan with coupling				
4	1	DQ49611-001	Proportional valve 24V				
4a	1	141-003-226	Proportional valve 24V GVR Type EPV10				
5	1	140-621-274	Flex pipe	5.1	1	140-567-944	Insulating sleeve
6	1	DN10168	Shear/Ball valve kit (not shown)				

## Alternative Fuels - Ethanol



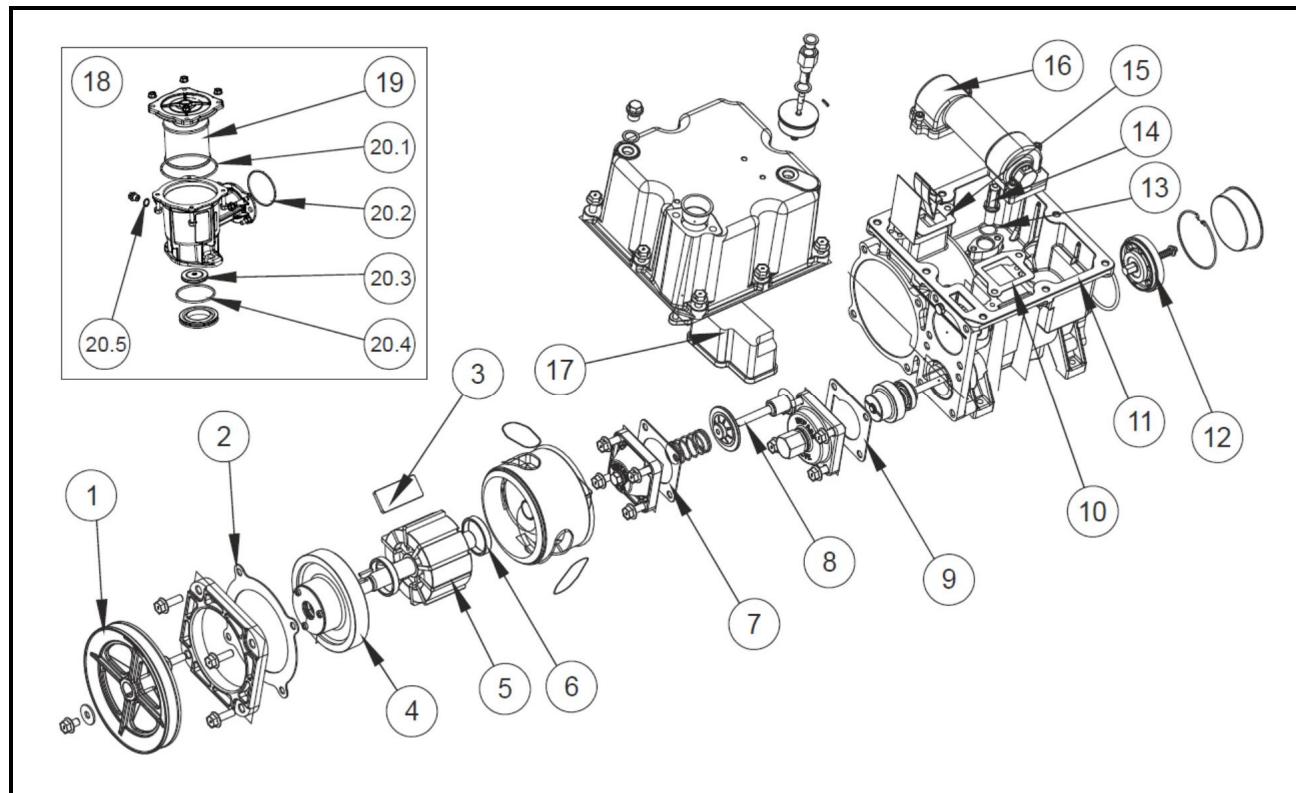
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-853-712	Pumping unit GPU-90 for Ethanol with fixing	10	1	140-620-186	Check valve (optional)
2	1	140-860-552	Filter DN50 for Ethanol				
2.1	1	140-823-333	Filter element 100 µm, washable, for filter DN50				
3	1	140-659-893	Cap 1 ½" cast type with seal ring				
3a	1	141-091-846	Empty spin-on filter type				
4	1	140-939-265	C+Meter, tested				
4a	1	250-K35222	Meter output shaft quad seal kit				
		250-Q11755-01	Quad shaft seal				
		250-K78378-72	Pin				
5	1	140-881-783	Manifold for Ethanol				
6	1	140-881-832	Proportional valve Ethanol cpl., without coil				
7	1	140-870-416	Coil 24V for proportional valve				
8	1	140-804-666	Proportional valve (without Coil)				
9	1	140-914-705	Sealing kit for manifold:				
9a	2		O-Ring 19 x 1,5				
9b	2		O-Ring 52 x 2,5				
9c	2		O-Ring 22 x 2,5				
9d	1		O-Ring 25 x 1,5				
9e	2		O-Ring 30 x 3,5				
9f	2		O-Ring 40 x 3,5				

## Pumping Unit - GPU 140



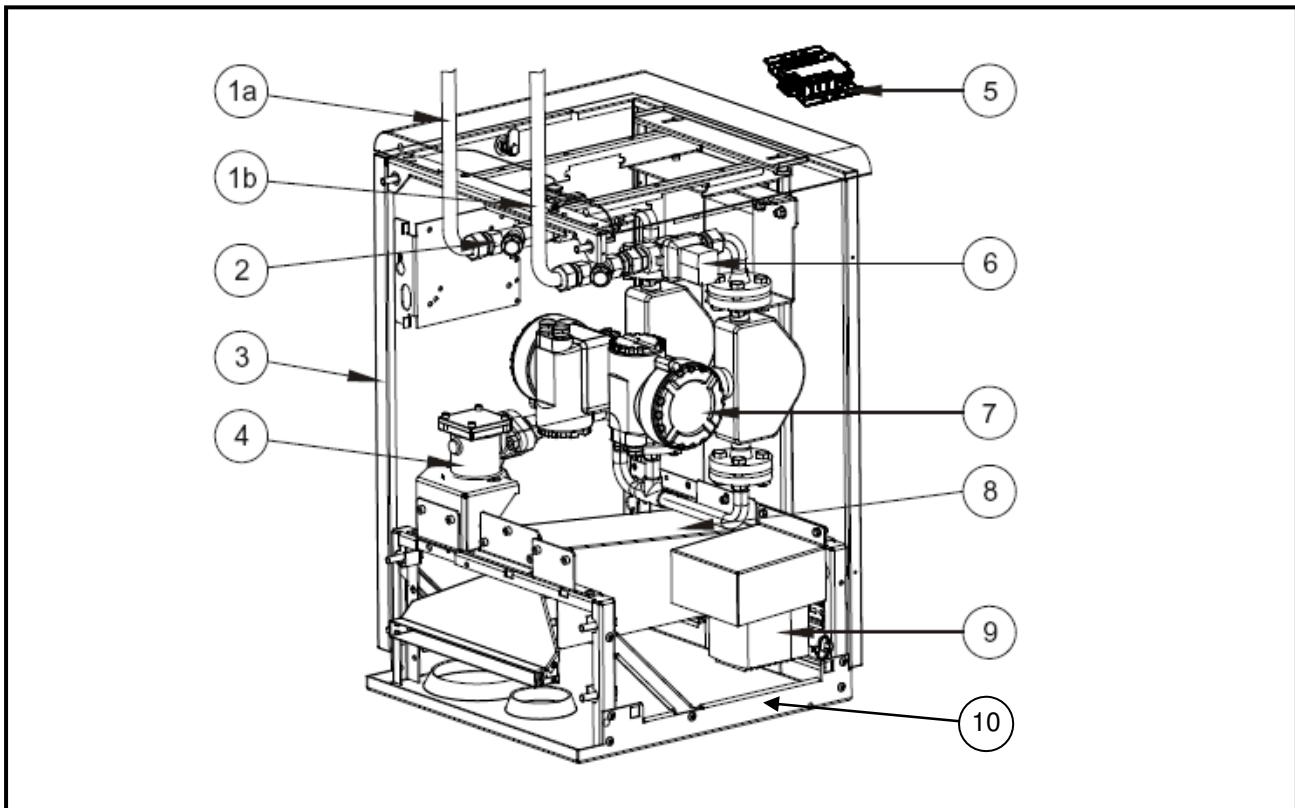
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
A	1	140-904-856	Master seal kit, contains positions A1-A5	3	1	140-823-372	Filter DN50 cpl. for pumping unit GPU
B	1	140-904-866	Blade kit, contains ten blades	4	1	140-818-946	Filter element 70μ
C	1	140-904-876	Lip seal kit, contains positions C1 and C2	5	1	140-914-735	Sealing kit for filter DN 50
D	1	140-904-886	Float kit, contains positions D1-D3	5a	1	140-551-486	O-Ring 114 x 4
E	1	140-904-916	Inlet check valve kit, with O-ring and check valve assembly (not shown in the drawing)	5b	1		O-Ring 75 x 3
F	1	140-904-896	Overflow check valve kit, with air valve housing, gasket, valve, float and retaining ring (not shown in the drawing)	5c	1		Valve disk
G	1	140-904-906	Rotor kit, contains rotor, shaft and blades	5d	1		O-Ring 76 x 4
1	1	140-904-926	Belt pulley	5e	1		Sealing ring 13,5 x 18 x 1
2	1	140-904-936	Bypass valve	6	1	807-M07932K504	Flow control valve
				7	1	140-941-525	Pumping unit GPU 140, tested

# Pumping Unit - GPU 140Z



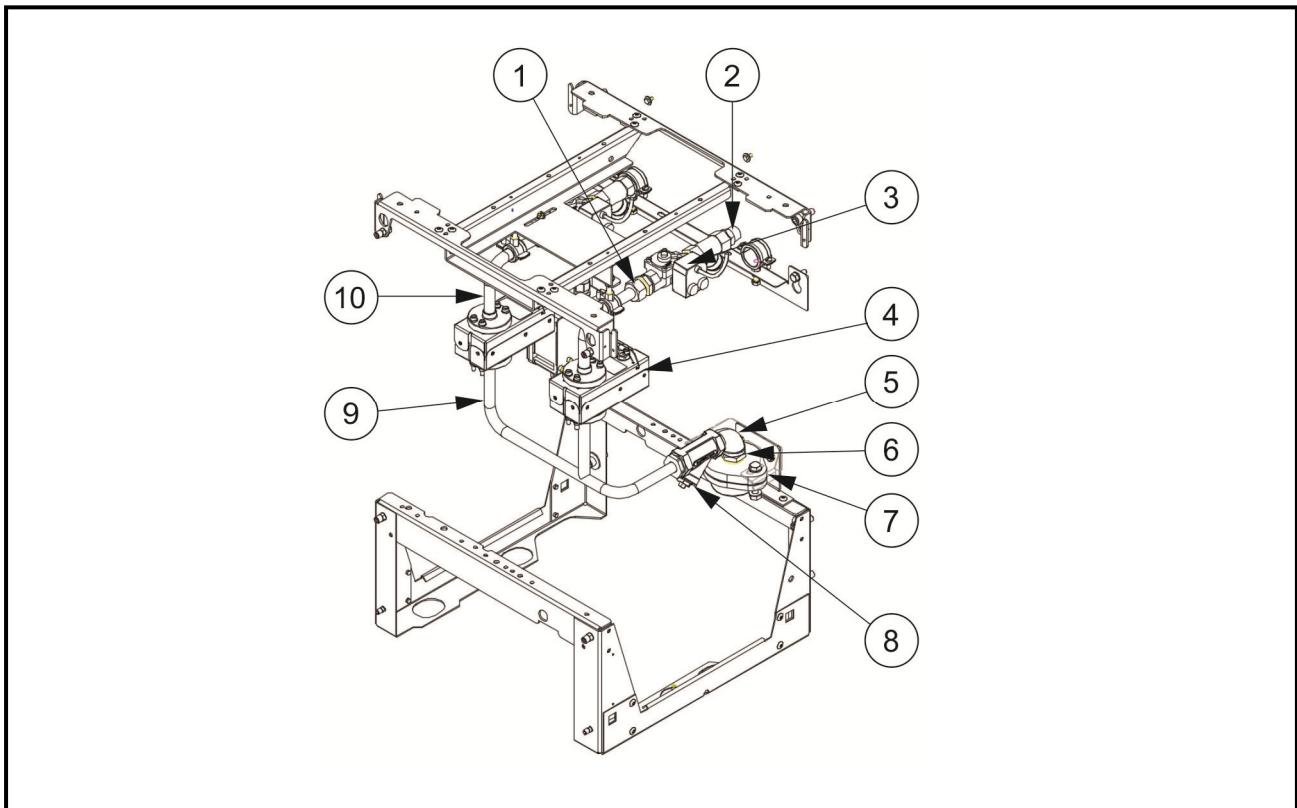
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-958-582	Belt pulley	17	1	140-992-503	Compression spring for cyclone
2	1	140-758-536	Ball bearing	18	1	140-992-493	Piston for cyclone
3	1	141-084-883	Shaft seal kit	19	1	140-992-483	Sleeve for cyclone
4	1	140-962-106	Spring washer	20	1	140-960-052	Cyclone housing
5	1	140-956-453	Gasket for bypass valve	21	1	140-960-073	Gasket for cyclone-input
6	1	141-043-083	Bypass valve	22	1	140-960-214	Gasket for cyclone-exit
7	1	140-989-683	Spring for check valve	23	1	140-960-083	Gasket for cyclone-exit
8	1	141-040-513	Check valve	24	1	140-823-372	Filter DN50 cpl. for pumping unit
9	1	140-956-463	Gasket check valve	25	1	140-818-946	Filter element 70µ
10	1	140-989-706	O-ring	26	1	140-914-735	Sealing kit for filter DN 50
11	1	140-989-492	Float cpl.	26.1		140-551-486	O-Ring 114 x 4
12	1	140-960-092	Gasket large	26.2			O-Ring 75 x 3
13	1	140-992-553	Check valve	26.3			Valve disk
14	1	140-991-566	Lock ring	26.4			O-Ring 76 x 4
15	1	140-992-423	Vent valve	26.5			Sealing ring 13,5 x 18 x 1
16	1	140-992-513	Cap for cyclone	27	1	n.a.	Pump cartridge cpl.
				⊗	1	141-037-825	Pumping unit GPU 140Z, routine tested/MID
							⊗ (components not shown in the drawing)

## AdBlue Hydraulics – Endress-Hauser meter



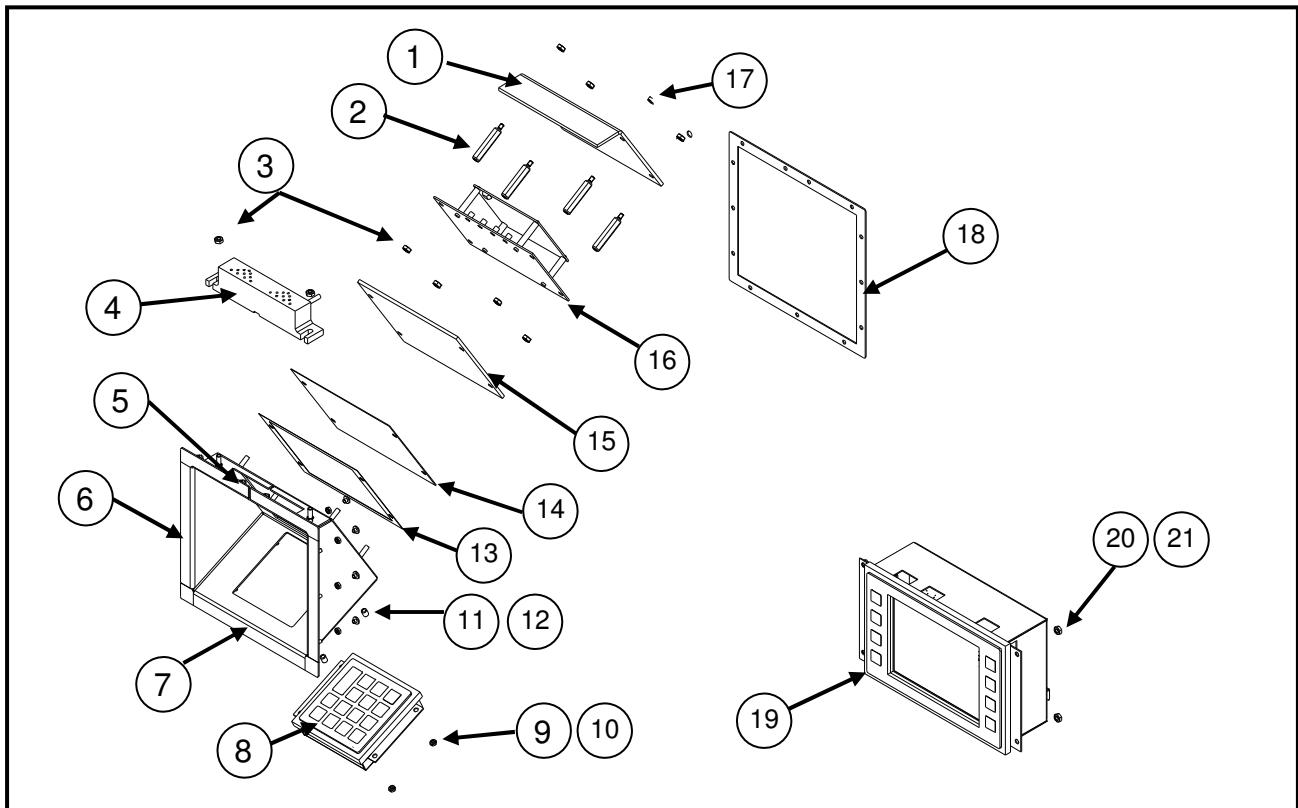
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-903-742	Pipes for AdBlue – stainless steel				
a	1	140-903-762	Pipe – for hose side 2				
b	1	140-903-346	Pipe – for hose side 1				
2	1	140-917-552	Check valve $\frac{3}{4}$ " stainless steel				
3	1	141-051-451	Frame for hydraulic module early 500mm. – with end support				
3a	1	140-855-023	Frame for hydraulic module latest 500mm. – without end support				
4	1	140-860-146	Filter DN40 cpl. with check valve Cylinder strainer ID 52.5 x 60 high				
4.1	1	140-856-356	Solenoid valve				
5	1	140-872-785	IS hub board routine tested/MID				
6	1	140-899-106	AdBlue meter - mass DN15				
7	1	140-839-856	Heater for hose column (not used in Australia)				
8	1	140-662-776	Heater for hydraulic module (not used in Australia)				
9	1	140-856-774	Flange DN50, similar to DIN 5435 with 1 1/2" thread ( <i>flange not shown</i> )				
10	1	140-926-434	Flange DN50, similar to DIN 5435 With 1" thread ( <i>flange not shown</i> )				

## AdBlue Hydraulics – Krohne meter



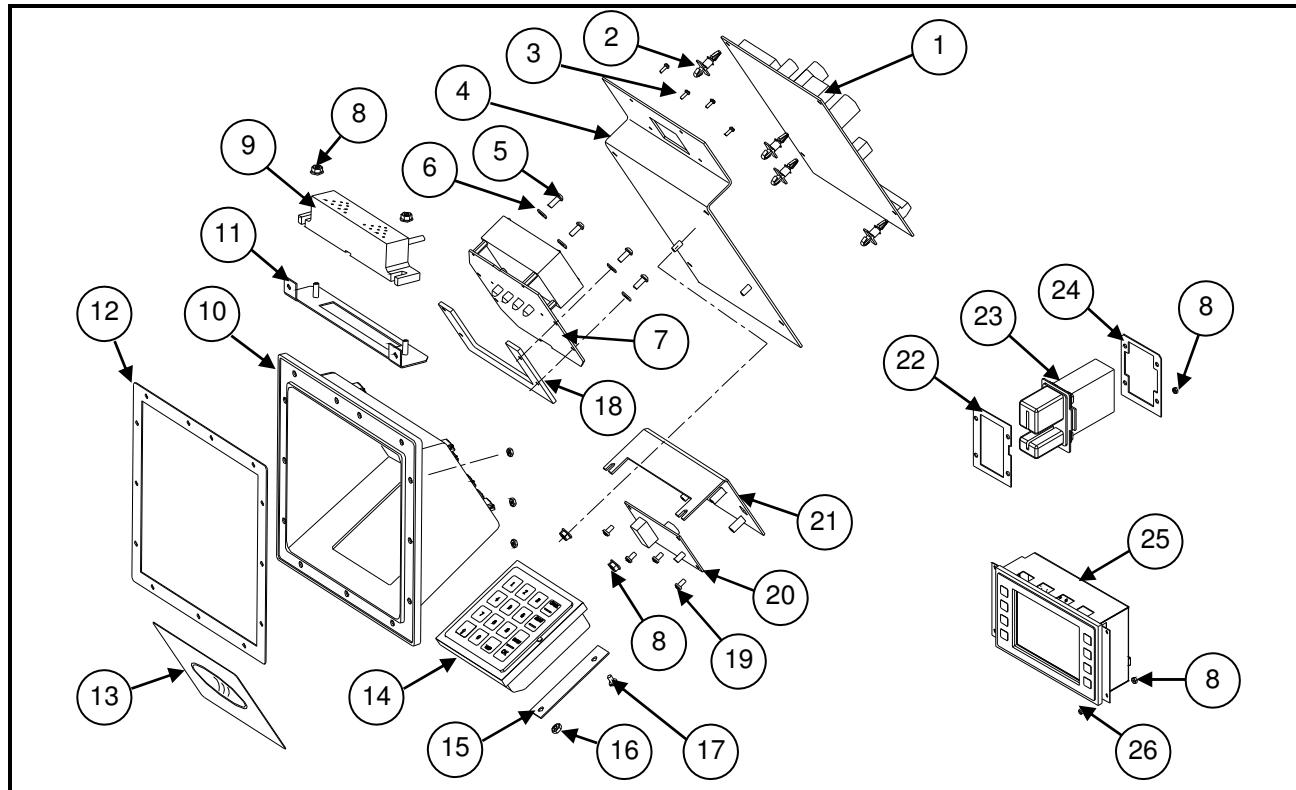
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	141-101-436	Connector				
2	1	140-938-716	Nipple 3/4"				
3	1	141-030-336	Solenoid valve				
4	1	141-120-095	Meter – Krohne tested				
5	1	140-991-756	Fitting				
6	1	140-991-786	Nipple 1"				
7	1	140-926-434	Flanged threaded 1"				
8	1	140-991-726	Strainer				
9	1	141-101-342	Pipe flowmeter				
10	1	141-101-332	Pipe				

## Pay At Pump (Woolworths) - Components in Big Head



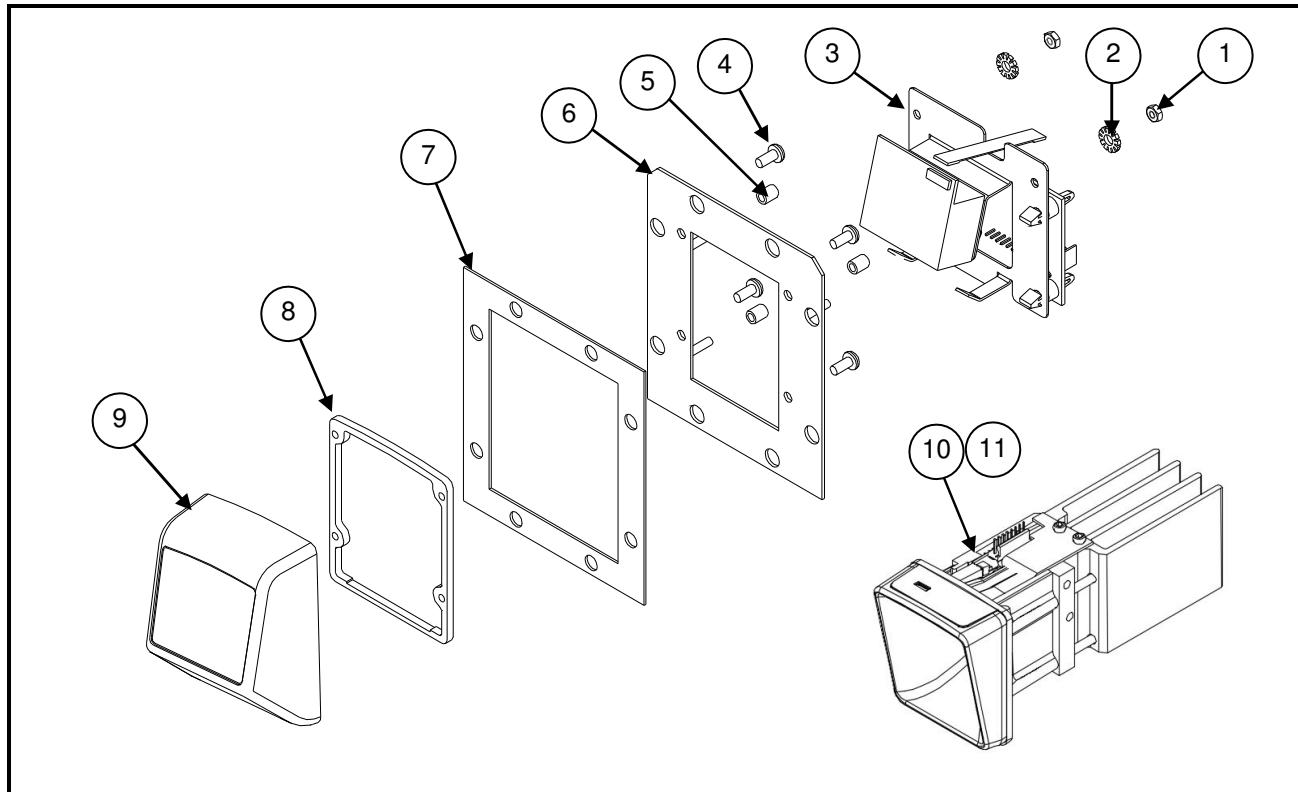
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	DK09886	Shield	13	1	DN09861	Gasket - Antenna
2	1	DK02612-003	Spacer - PCB mounting 41mm	14	1	DN09873	Graphic fascia - Antenna
3	6	DQ38050-012	Nuts - M4 Washer faced zn pl	15	1	DK09707	Window - Antenna
4	1	DR09882	Light module	16	1	DK09999-006	Antenna and Reader kit - SPARES USE ONLY
5	1	DK09862	Silicon moulding, Antenna housing gap	16	1	404-10069360F	Antenna and Reader kit - PRODUCTION USE ONLY
6	1	DT09844	Housing - Antenna and Keypad	17	4	DQ38050-012	Nuts - M4 Washer faced zn pl
7	1	DQ5970-003	Emblem - GVR Logo	18	1	DK09851	Gasket - Antenna housing
8	1	DK09999-002	SPOT M3 keypad - SPARES USE ONLY	19	1	DK09999-001	SPOT M3 Display and CPU - SPARES USE ONLY
8	1	402-8211129	SPOT M3 keypad - PRODUCTION USE ONLY	19	1	402-8211128	SPOT M3 Display and CPU - PRODUCTION USE ONLY
9	1	DQ52101-028	Spacer - M3 x 6mm	20	4	DQ52101-027	Spacer 6.3mm O.D. x 5mm Nylon
10	4	DQ38050-010	Nut hex M3 zn pl	21	4	DQ38050-012	Nuts - M4 Washer faced zn pl
11	4	DQ38050-010	Nut hex M3 zn pl				
12	4	DQ48614-005	Bush insulating				

## Pay At Pump (Caltex) - Components in Big Head



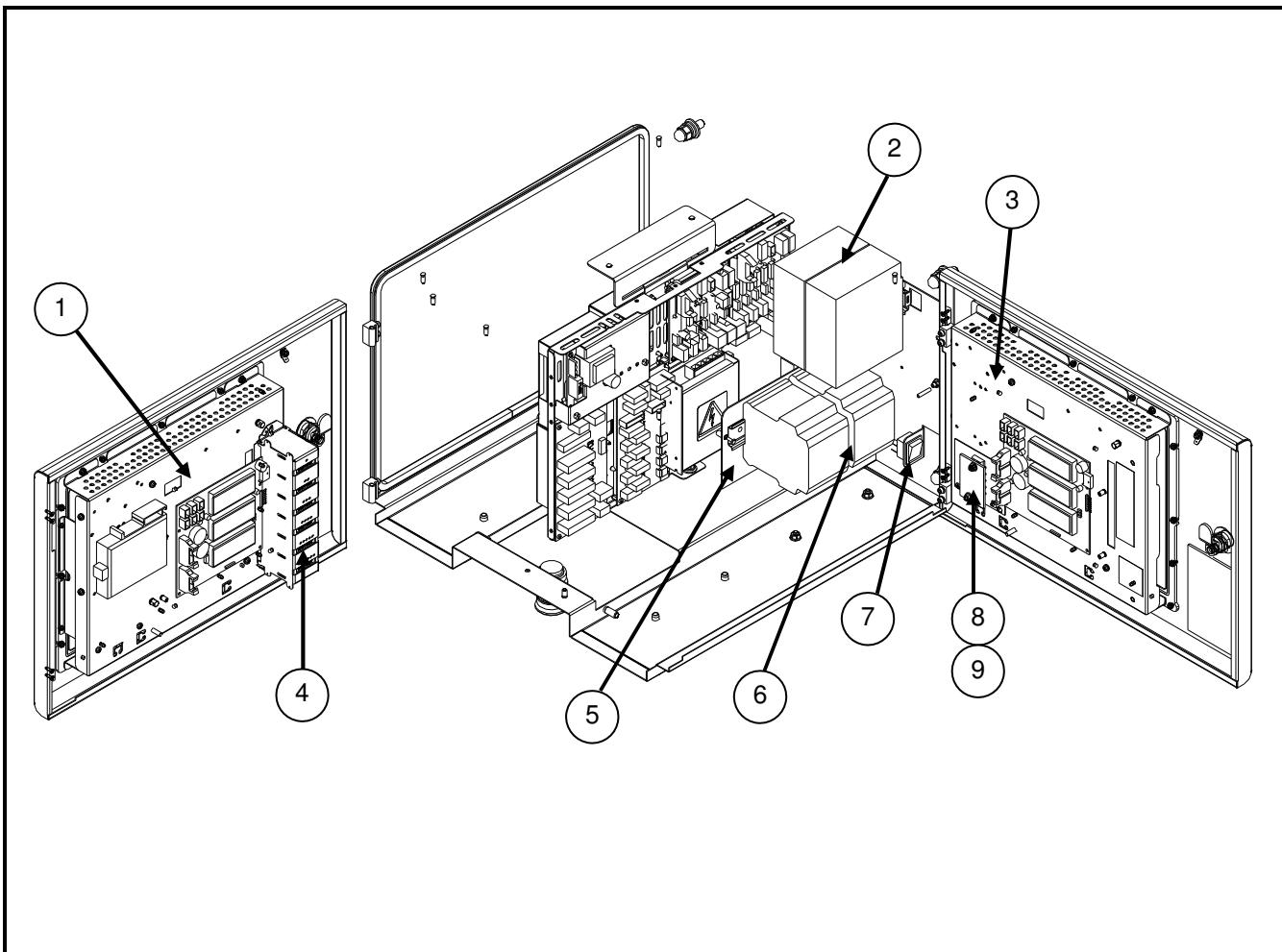
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	402-E8111120C	SPOT Interface PCB	17	4	DQ23072-040	Screw plastite #6-19 x 10mm.
2	4	DQ40851-001	Standoff	18	1	DK10421	Reader spacer
3	4	DQ23128-003	Screw Pan Hd. M2 x 6	19	4	DQ23128-022	Screw Pan hd. M3 x 6
4	1	DN10259	Mount bracket - SPIO	20	1	402-E8111078A	Beeper PCB
5	4	DQ23128-003	Screw Pan Hd. M2 x 6	21	1	DN10260	Beeper bracket
6	4	DQ41506-006	Washer ext. tooth M2	22	1	DN10427	Gasket
7	1	250-M11697A001	Reader - contactless	23	1	M12492B001	Card reader – HCR2
8	2	DQ38056-012	Nut hex washer faced M4	24	1	DN10413	Retainer plate
9	1	DR09882	Light module	25	1	DK09999-010	SPOT M3 Display and CPU - SPARES USE ONLY
10	1	DK10492	Housing - with studs, post May 2013 previous version (screws) obsolete	25a	1	402-8211128	SPOT M3 Display and CPU - PRODUCTION USE ONLY
11	1	DN10292	Light bracket	26	4	DQ52101-027	Spacer 6.3 O.D. x 5mm. Nylon
12	1	DN09861	Gasket				
13	1	DN10306	Fascia - Caltex				
14	1	402-8211279	SPOT M4 Pinpad				
15	2	DN10312	Pinpad retainer				
16	4	DQ38050-010	Nut - post May 2013				

## Pay At Pump (Caltex) – Bar Code Reader



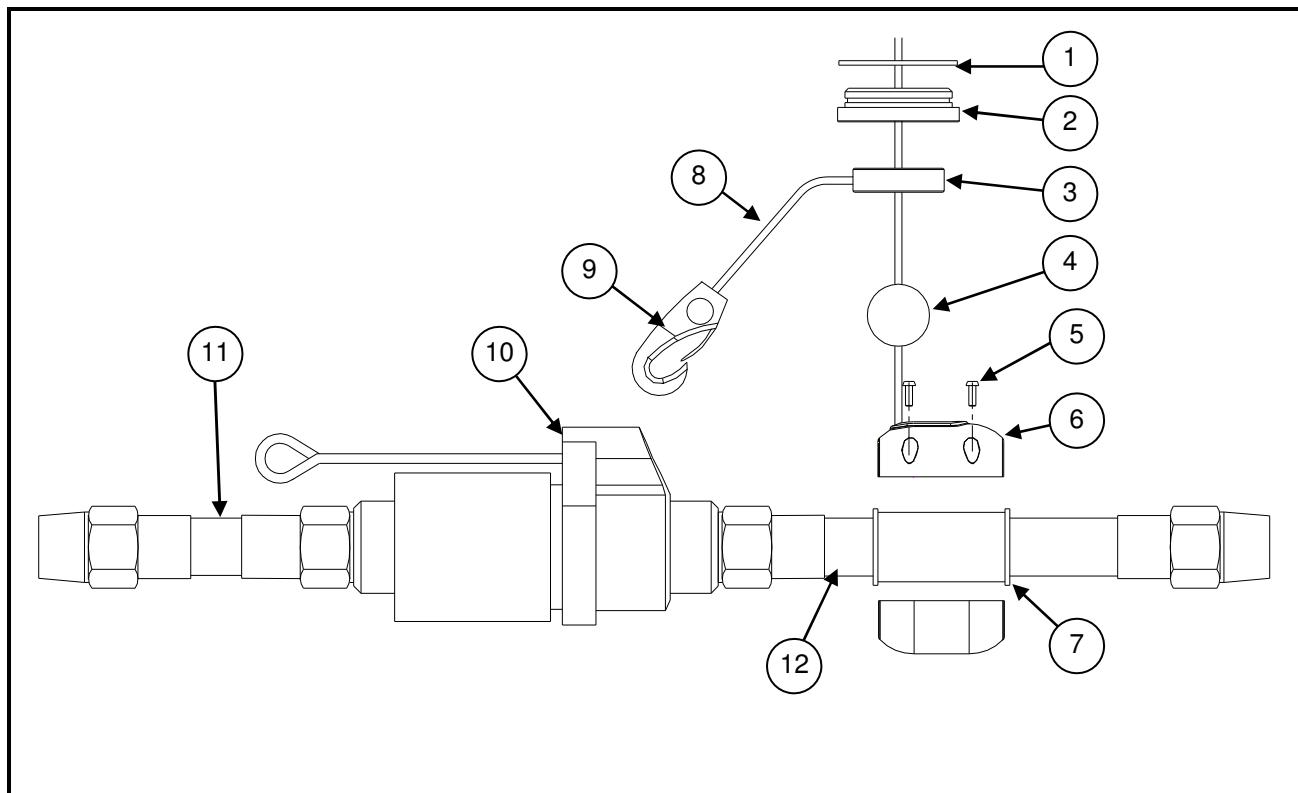
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	3	DQ38050-010	Nut hex M3				
2	3	DQ41506-008	Washer ext. tooth M3				
3	1	250-M07662A002	Scanner assy.				
4	4	DQ23072-039	Screw plastite #6-19 x 8				
5	3	DQ52101-028	Spacer M3 x 6				
6	1	DN10493	Adaptor plate				
7	1	DN10405	Gasket				
8	1	250-M07718B001	Housing gasket				
9	1	250-M07663B001	Scanner housing				
9a	1	250-M06697B001	Window gasket				
9b	1	250-M06696B001	Window				
10	1	406-SMS2000-001	2D Scanner				
11	1	DN10511	Cable – DISP-SPIO				
12	1	DN07630-434	Retrofit Kit - 2D Scanner				

## Multi-Media Components



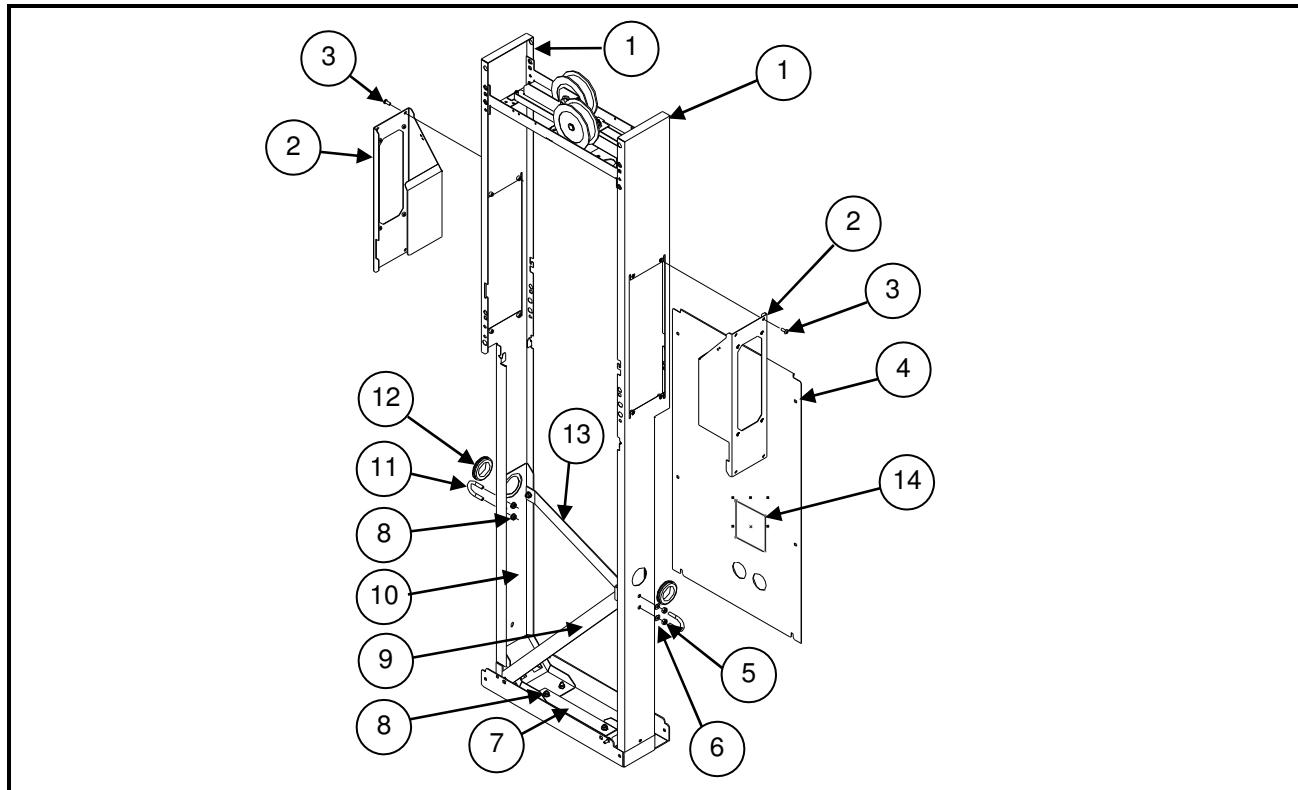
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	141-001-651	MMD Door Assy, Side B, No PSU, No Preset Keypad				
2	2	DQ44105-009	Battery Module Recharge 24Vdc				
3	1	141-001-641	MMD Door Assy, Side A, With PSU, No Preset Keypad				
4	1	140-871-171	Holder - Totaliser				
5	1	DR10528	Bracket – P/Supply & Battery MM				
6	2	DQ44107-003	UPS with Power Supply 12Vdc				
7	1	DQ44570-001	Rocker Switch				
8	1	DK10529	Plate – Terminal Block MTG				
9	1	DK10532	Window – Terminal Block				

## LPG Hose & Breakaways



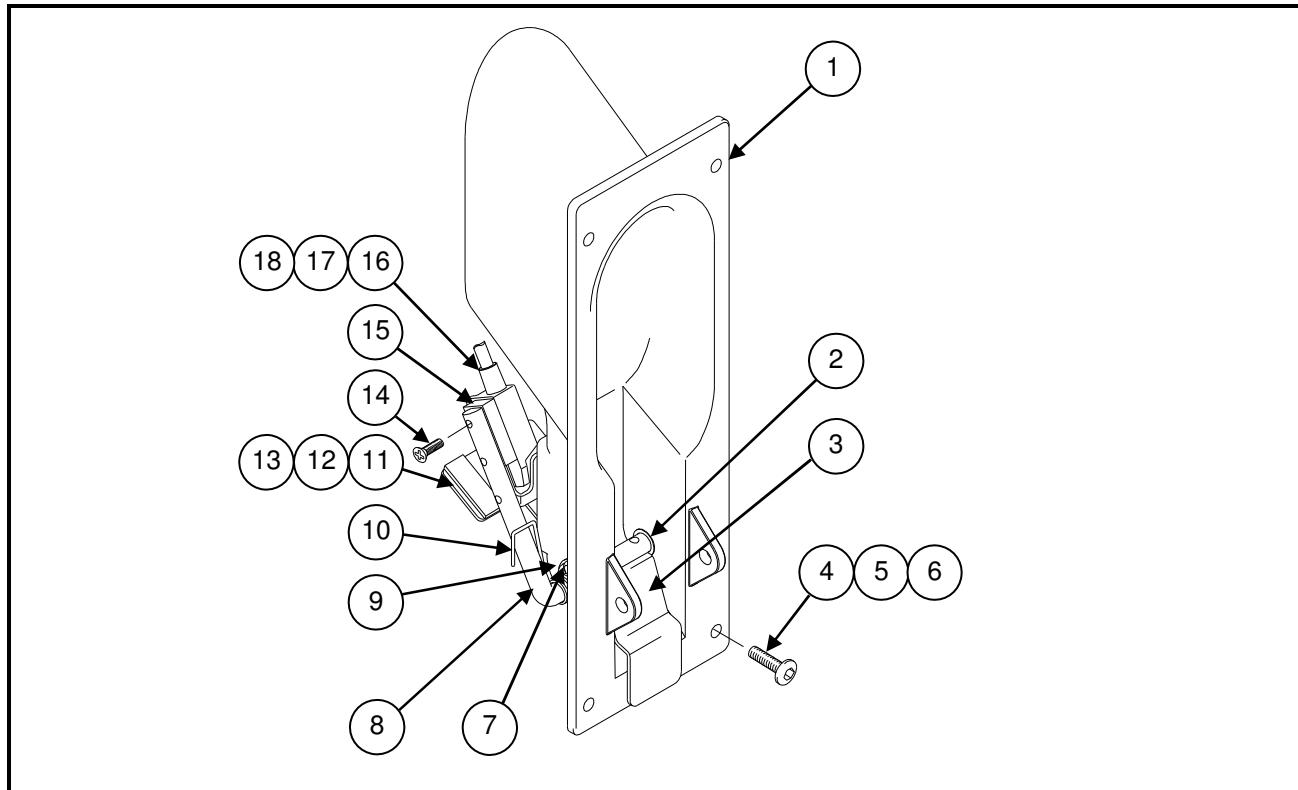
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	DQ46004-233	Circlip 45.0 x 1.75 external type	10	1	305-870-015-01	Breakaway coupling - Batchen
1a	1	DQ46004-231	Circlip 40.0 x 1.75 - post july 2018	11	1	DK03060-007	Hose 1/2" with fittings
2	1	DK10263	Guide assembly 44 dia.	12	1	DK03060-012	Hose 1/2" with fittings
2a	1	DK10895	Guide assembly 40 dia.				
3	1	DK10236	Ring – top curd	13		DN10214-001	Retrofit Kit – to convert previous obsolete style to that shown
4	1	DK07179	Ball - drilled				
5	4	140-848-146	Screw pozidrive				
6	1	140-983-803	Clamp hose – includes item 5				
7	1	DN10246	Collar – 1/2" LPG hose				
8	1	DQ15012-002	Cord - shock				
9	1	DQ44508-001	Hook snap				

## LPG Hose Column – With Hose Retraction



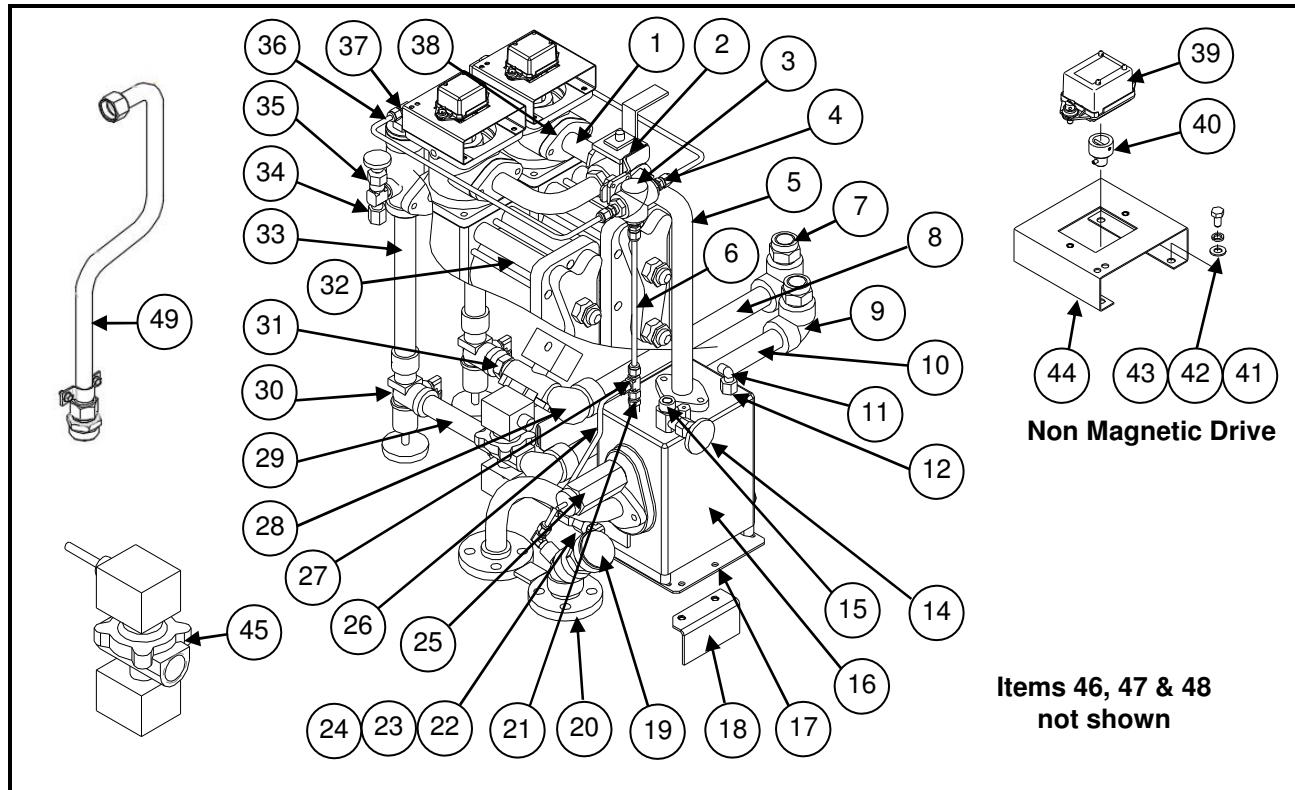
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	2	DT10175	Front panel - column	8	8	DQ38056-017	Nut washer faced M8
1a	2	DT10825	Front panel – colum low boots	9	1	DN10247	Guide - diagonal hoses
2	2	DR10215	Mount – nozzle boot	10	1	DT10239	Bracket – hose outlet
3	8	DQ23125-114	Screw socket hd. M6 x 16 SS	11	2	DK04039	Bolt- U
4	1	DR10369	Plate – column v/ barrier - short	12	2	DQ40701-012	Grommet
4a	1	DR10585	Plate – column v/barrier - long	13	1	DN10226	Brace – hose bracket
4b	1	DR10826	Plate – column v/b - low boots	14	1	DN10371	Plate – v/barrier
5	4	DQ38050-017	Nut hex. M8 SS	15	1	140-960-412	Column and retriever reels – not drilled
6	4	DQ41521-015	Washer flat M8 SS				
7	1	DN10240	Bracket - restraining				

## LPG Nozzle Boot



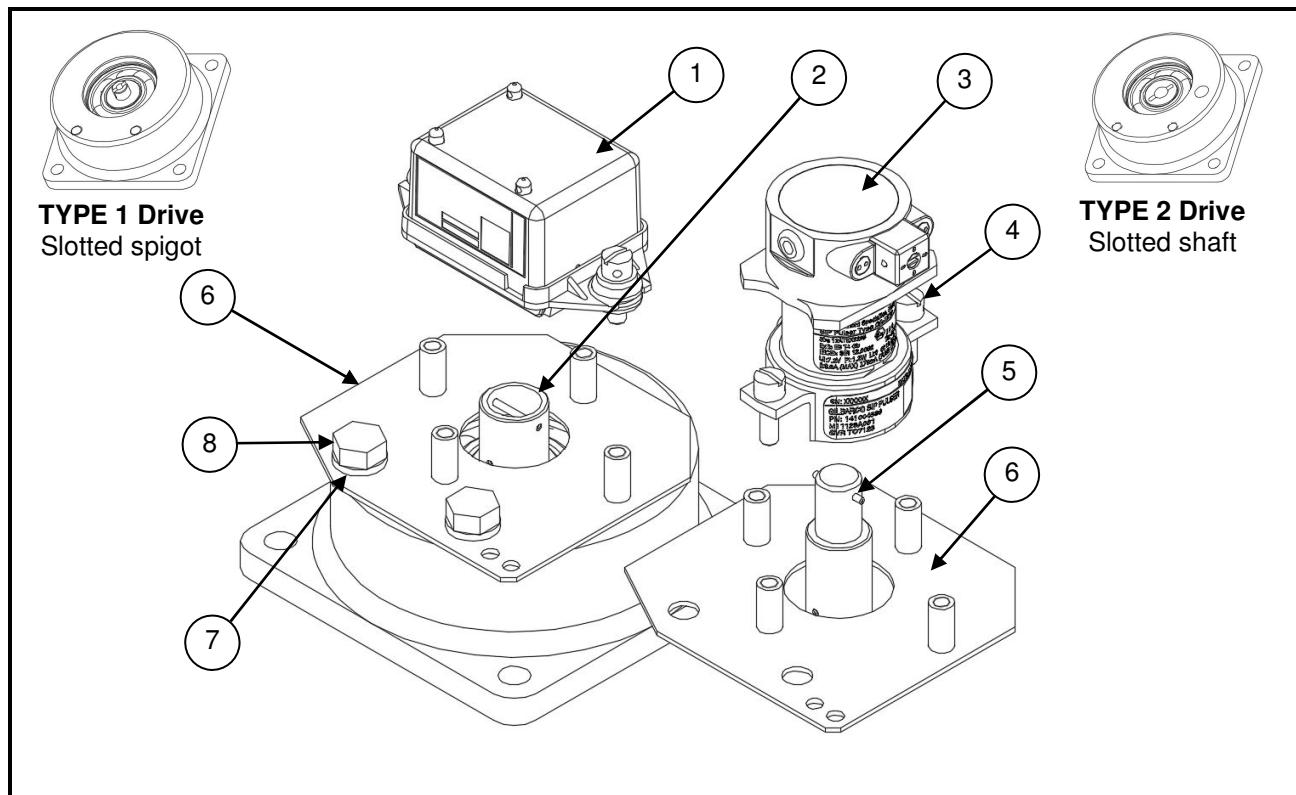
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	305-010-644-01	Nozzle boot	10	1	305-010-020-01	Spring
2	2	305-010-647-01	Bush	11	1	305-010-651-01	Bracket – nozzle catch
3	1	305-010-645-01	Nozzle flap	12	2	305-747-017-00	Washer spring M4 ss
4	4	DQ23125-115	Screw socket hd. M6 x 20 SS	13	2	305-708-212-00	Screw M4 x 8 ss
5	4	DQ41508-004	Washer spring M6	14	2	305-736-272-00	Screw csk. hd. M3 x 12 ss
6	4	DQ38050-015	Nut hex M6	15	1	DK10267	Magnet assy.
7	2	DQ41601-083	Split pin 3.2 dia. x 25	16	1	140-945-945	Switch assy.
8	1	305-010-652-01	Shaft - nozzle flap	17	2	DQ23128-022	Screw M3 x 6 phillips pan hd.
9	3	DQ41501-016	Washer flat M10	18	2	DQ41506-008	Washer lock M3 ext. tooth

# LPG Hydraulics



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	305-848-098-01	Connection s/s	27	1	305-210-564-00	Tee 1/4" x 1/4" x 1/4" tube
2	1	305-200-303-01	Ball valve 3/4"	28	2	305-835-415-01	Elbow 3/4" x 3/4"
3	1	305-200-301-01	Ball valve 1/4"	29	1	305-034-212-01	Pipe
4	1	305-210-113-00	Connector 1/4" NPT x 1/4" f. tube	30	1	305-375-500-01	Valve angle – 3/4" modified
5	1	305-800-443-01	Riser pipe – vapour eliminator	31	1	305-835-510-01	Nipple hex 3/4" x 3/4"
6	1	305-030-303-00	Tube	32	2	305-855-104-01	Meter - Batchen
7	2	305-332-723-00	Valve – excess flow	33	2	305-800-441-01	Pipe - drop down
8	1	305-035-210-01	Pipe - 400mm. long	34	2	305-835-131-01	Cap 1/4" NPT
9	2	305-035-413-01	Elbow 3/4" NPT	35	2	305-400-001-00	Valve – needle 1/4" NPT
10	1	305-034-209-01	Pipe – 330mm. long	36	2	305-860-200-04	Valve – differential assy.
11	1	305-400-510-00	Elbow 1/4" BSP	37	2	305-210-309-00	Elbow 1/4" NPT x 1/4" tube
12	1	305-380-212-00	Valve – relief	38	2	305-860-100-02	Valve - check
13	1	305-830-273-01	Thermo pocket	39	2	140-876-445	Pulser – c/w fasteners
14	1	305-400-004-00	Valve- needle	40	2	DN10184	Coupling – meter drive
15	1	305-835-704-01	Plug 1/4"	41	8	DQ41501-013	Washer flat M6
16	1	305-805-207-01	Vapour eliminator	42	8	DQ41508-004	Washer spring M6
17	1	DT10188	Bracket – meter support	43	8	DQ23102-503	Screw hex. hd. M6 x 12
18	1	DK10216	Bracket	44	2	DN10183	Support bracket - pulser
19	1	305-375-731-00	Valve – fill 1 3/4" acme x 3/4" NPT	45	2	305-400-121-00	Valve - solenoid
20	1	305-800-439-01	Inlet/outlet pipe	46	4	305-010-309-00	O-ring 59mm. O.D.
21	1	305-210-221-00	Adaptor tube 1/4" NPT x 1/4"	47	2	305-010-305-00	O-ring 72mm. O.D.
22	1	305-203-105-00	Elbow 1/4" x 1/4" NPT	48	1	DT10257	LPG Probe I/F PCB
23	1	305-380-211-00	Valve relief 1/4" NPT	49	1	141-092-552	Pipe current – post Nov. 2017
24	1	305-210-226-00	Connector 1/4" NPT x 1/4" tube	49a	1	DT10103-001	Pipe – pre Nov. 2017
25	1	DR09629	Probe density				
26	1	305-030-303-00	Tube				

## Pulser Drive - Magnetic



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140-876-445	Pulser - standard				
2	1	DN01746	Drive Assy. Type 1 - Std. Pulser				
2a	1	DK10893	Drive Assy. Type 2 - Std. Pulser				
3	1	141-004-586	Pulser C-SIP 1m. cable				
4	2	DQ23128-084	Screw Pan Hd. M5 x 20				
5	1	DN10652	Drive Assy. Type 1 - SIP Pulser				
5a	1	DN10889	Drive Assy. Type 2 - SIP Pulser				
6	1	DN10653	Adaptor plate				
7	2	DQ41508-025	Washer spring M8				
8	2	DQ23102-573	Screw Hex. Hd. M8 x 12				

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