

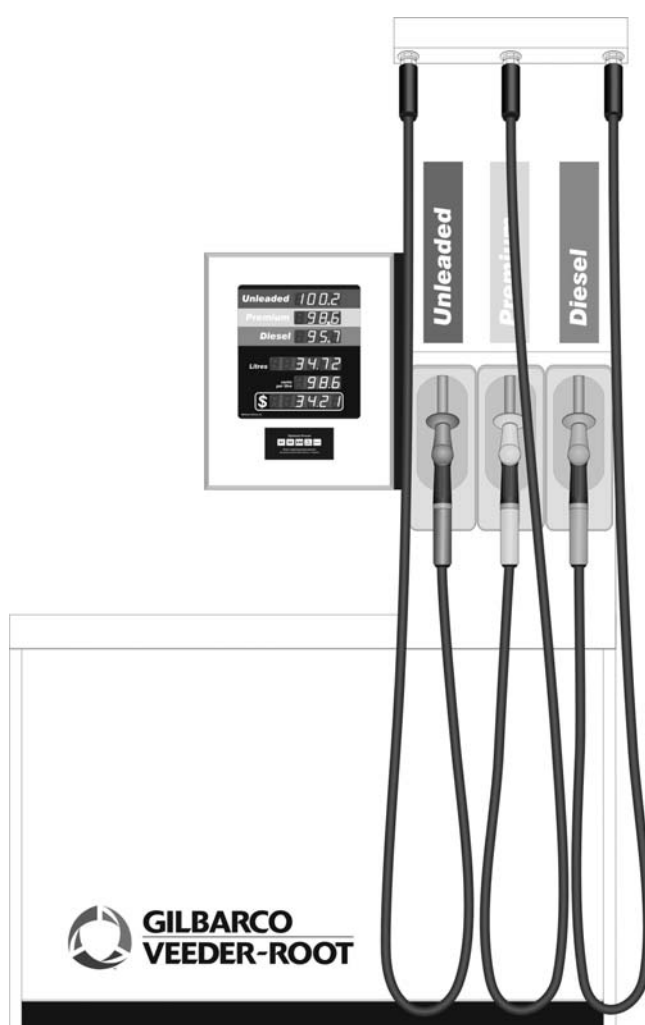
GILBARCO AUSTRALIA LIMITED

LOWLINE MK3 PUMPS & DISPENSERS

PARTS MANUAL

DQ98001-115

Issue A



Gilbarco Australia Limited.

A.C.N. 000 020 799

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

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LOWLINE MK3 Pumps & Dispensers Parts Manual

DQ98001-115 Issue A

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This publication has been created for Gilbarco Australia Limited by Gilbarco Australia Limited - Engineering Standard Products Department.

Related Documentation –

Users' Manual	DQ98001-112
Installation Manual	DQ98001-113
Service Manual	DQ98001-114

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Release Information

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EXPLANATORY NOTES

AR in parts lists means quantity “as required”.

REF in parts lists means “reference item”.

Lists of parts in this manual may not directly reflect production assemblies.

When ordering DO NOT use Item Numbers. Refer to the listing
and quote the appropriate PART NUMBERS

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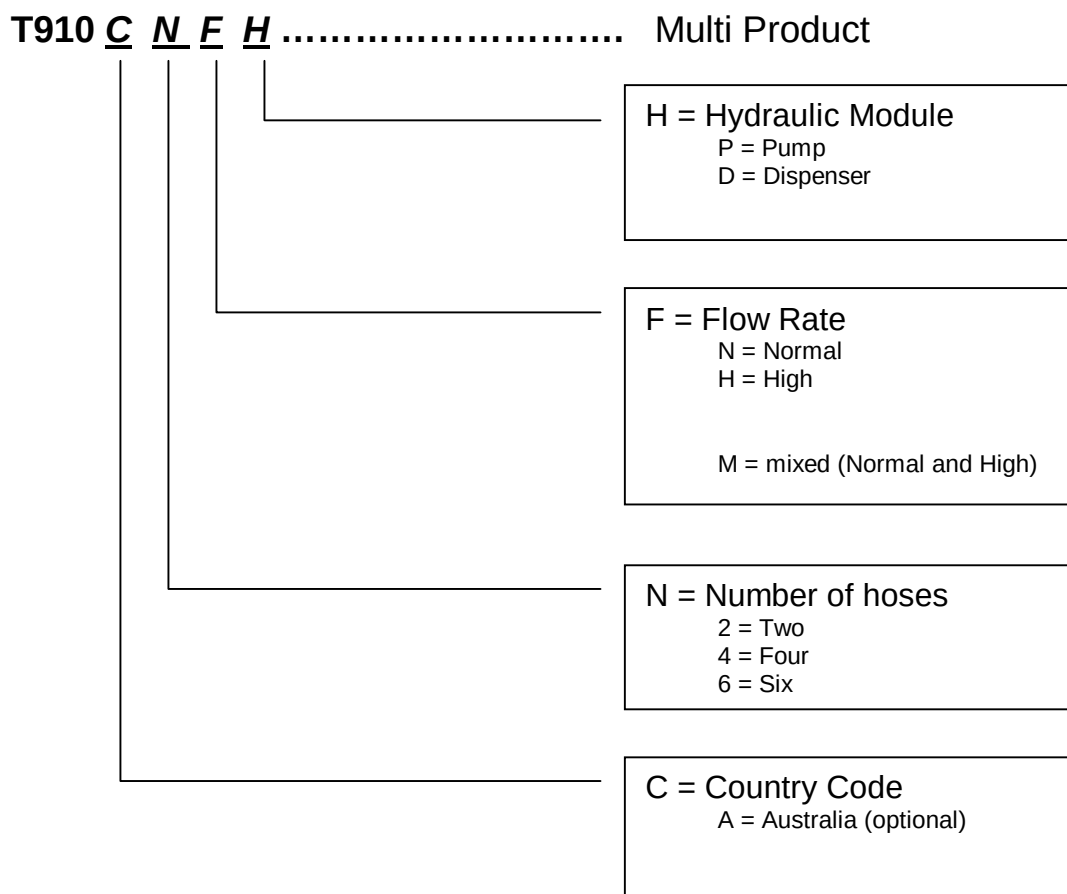
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MODEL NUMBERS

The range of LOWLINE MK3 Pumps and Dispensers have a base model range number as follows:

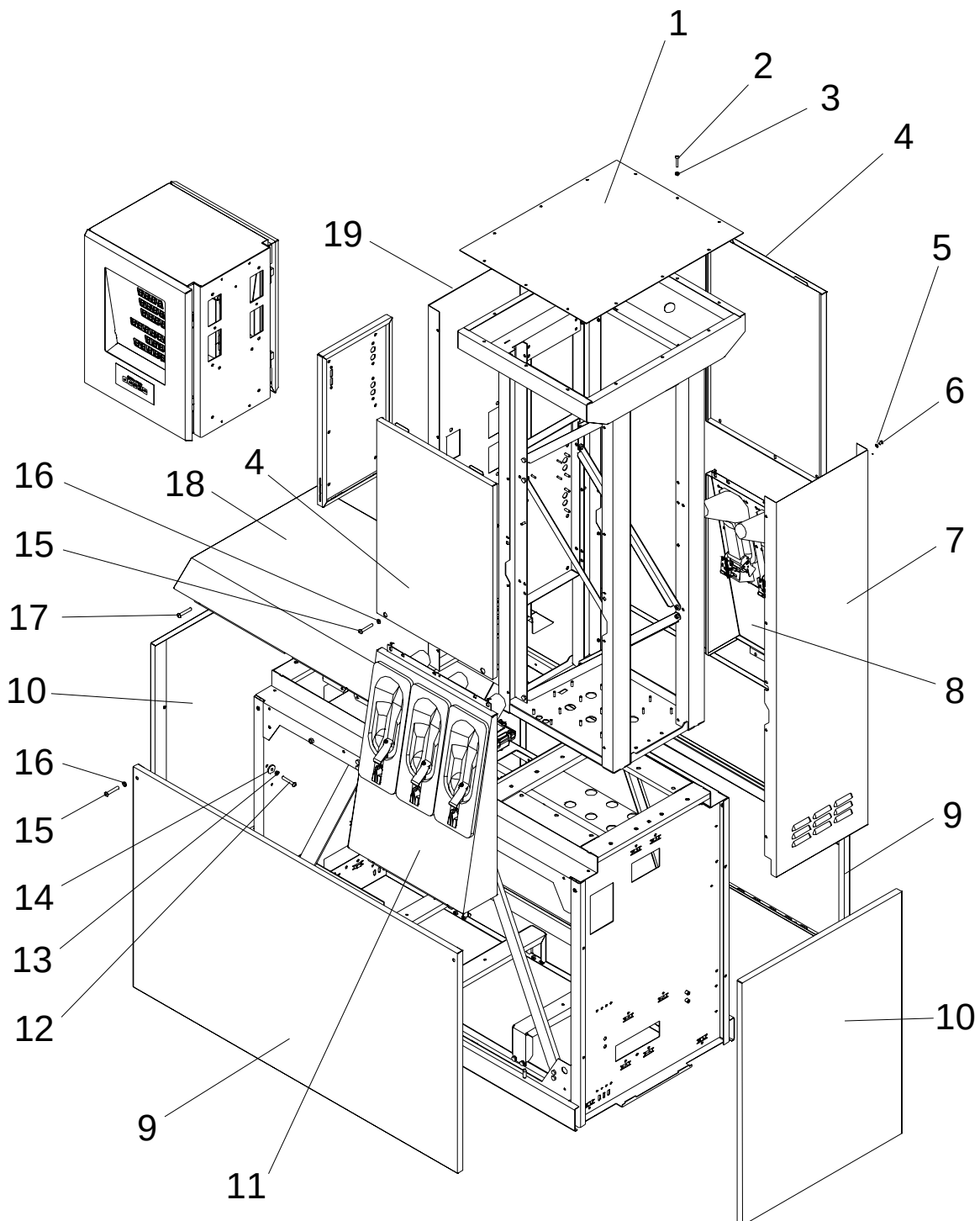


All Base models have Mild Steel panels and include Preset.

Special Market option may include:

- 1.No Preset.
- 2.Stainless Steel panels.
- 3.Filters.

PANELS AND SHEATHS

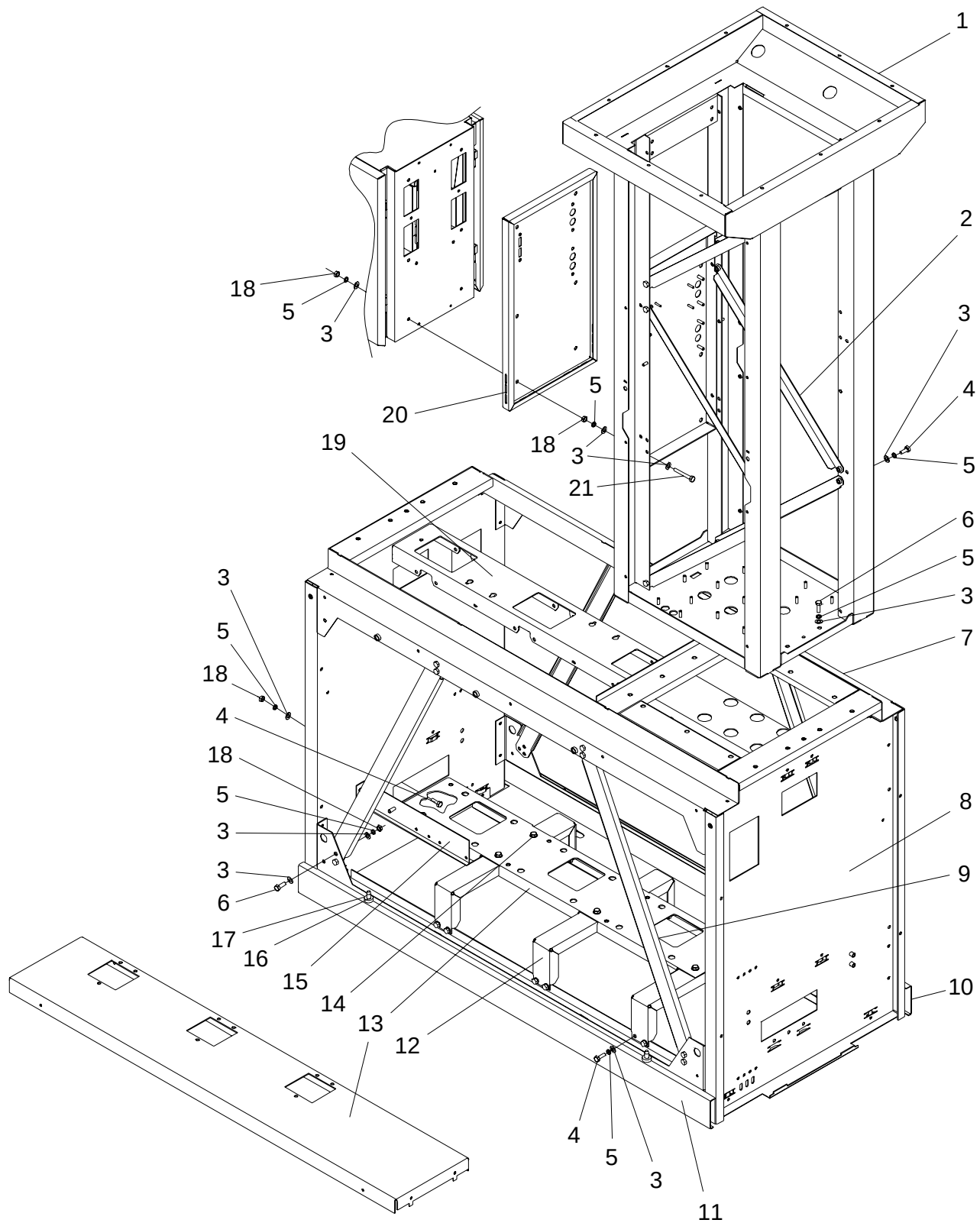


PANELS AND SHEATHS

CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.

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FRAME AND MOUNTING BRACKETS



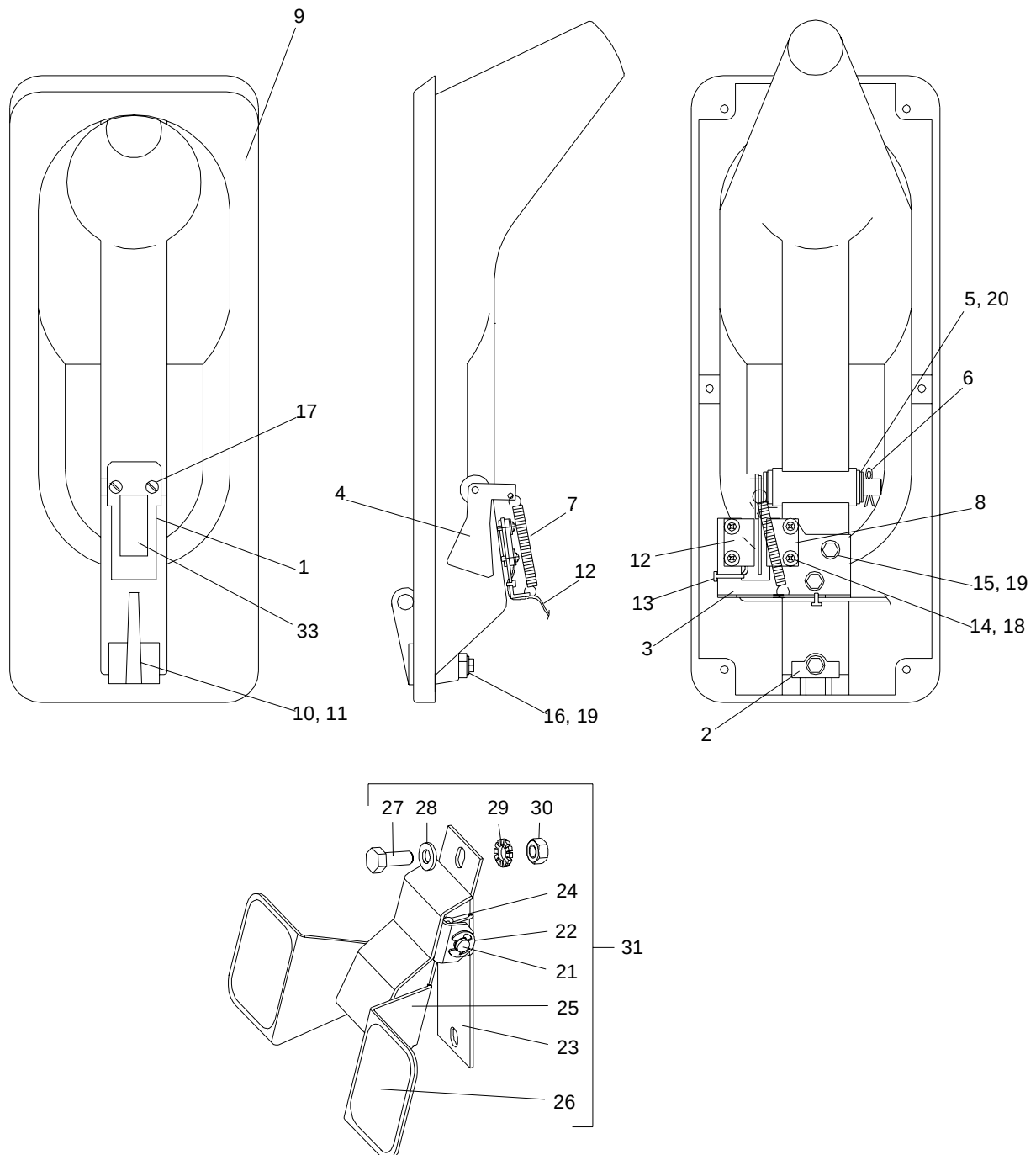
FRAME AND MOUNTING BRACKETS

CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.

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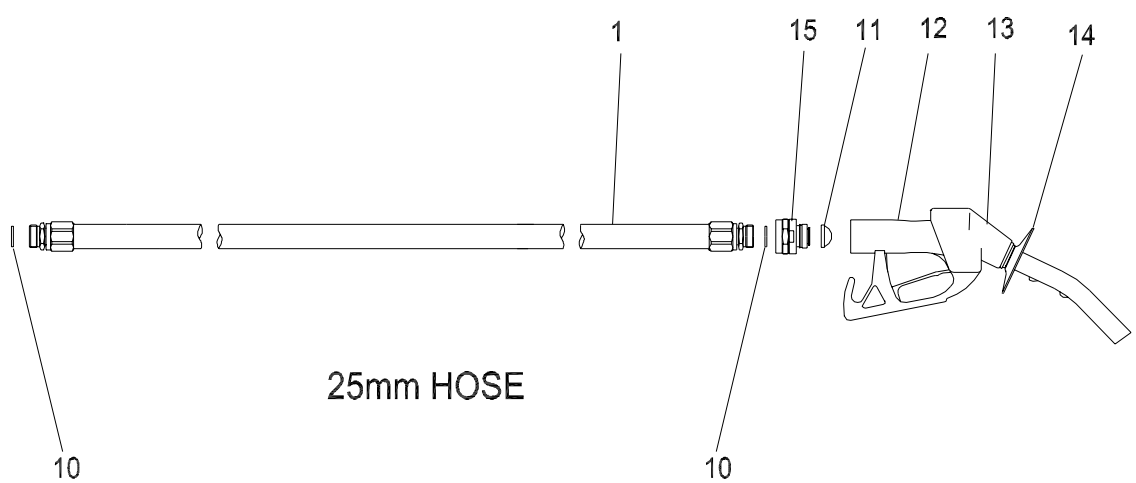
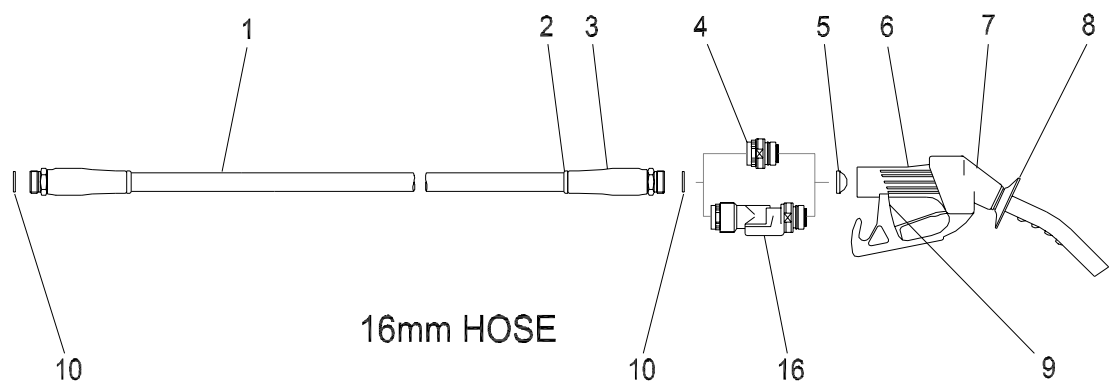
NOZZLE BOOT ASSEMBLY

DT06492



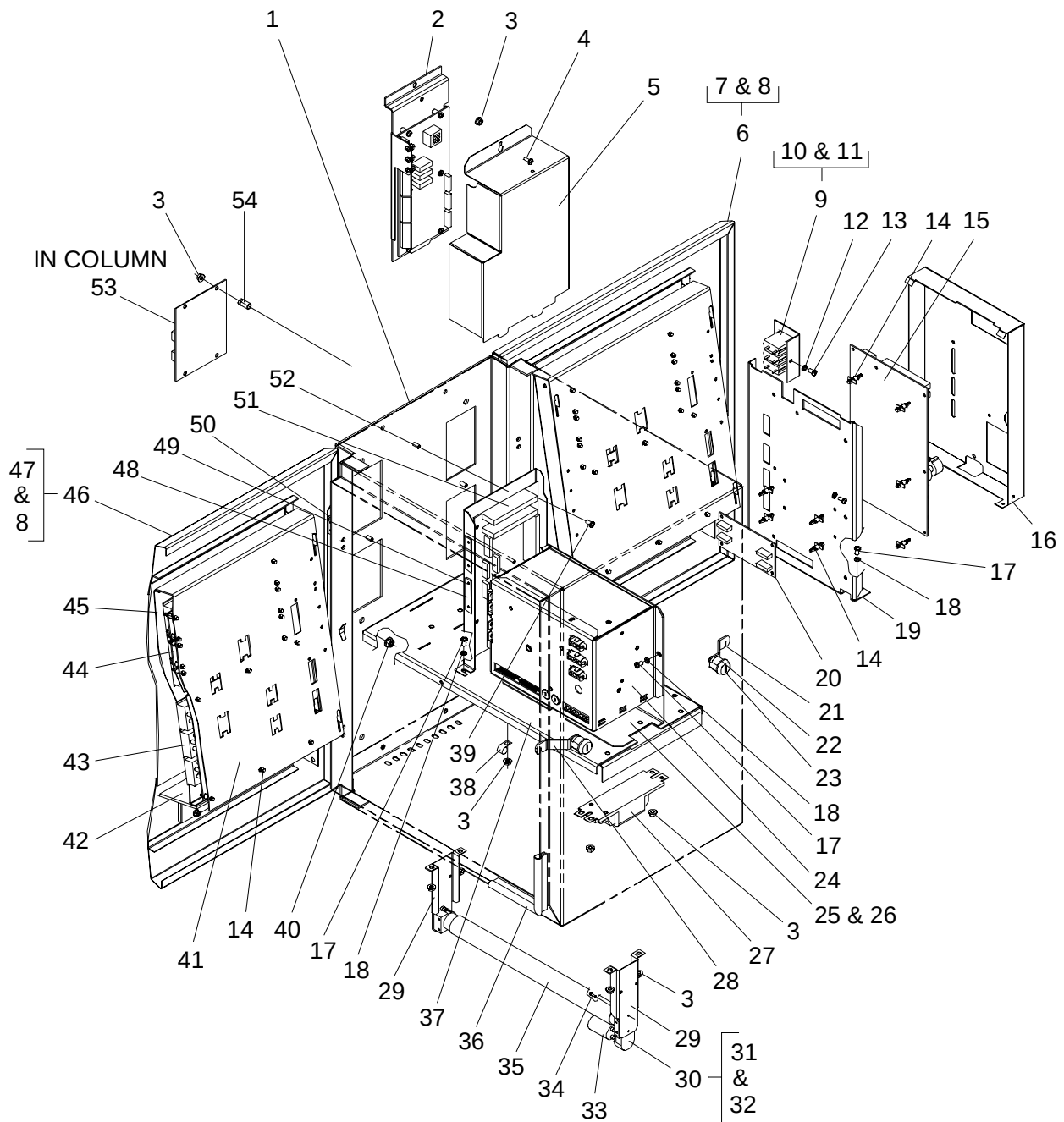
NOZZLE BOOT ASSEMBLY				CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.
ITEM	No. REQ'D FOR		PART NUMBER	DESCRIPTION
	PETROL	DIESEL		
1	1	1	DN07254	Flap assy
2	1	1	DK04431	Retainer hook
3	1	1	DN06466	Bracket - Nozzle switch
4	1	1	DN07253	Blade switch assy
5	AR	AR	DQ41501-016	Washer 3/8"
6	1	1	DQ41601-083	Pin split
7	1	1	DQ43300-016	Spring tension
8	1	1	DQ44565-003	Magnet switch
9	1	1	DT04205-003	Nozzle boot machined
10	1	1	T160-0113	Gasket
11	1	1	T161-0090	Hook nozzle
12	1	1	DN06521-003	Switch assembly (includes cable – 375mm. overall)
13	2	2	DQ44500-002	Cable tie
14	4	4	DQ23045-075	Screw taptite 6-32 x 5/16"
15	2	2	DQ23102-501	Screw hex head M6 x 10
16	1	1	DQ23102-505	Screw hex head M6 x16
17	2	2	DQ23123-468	Screw pan head slotted s.s. M5 x 12
18	4	4	DQ41501-010	Washer M4
19	3	3	DQ41508-004	Washer spring ¼"
20	4	4	DQ41510-013	Washer special 10.5 I.D. 21 O.D.
21	-	1	DN06224	Pin - Diesel nozzle lock
22	-	2	AK82468-32	E-Clip
23	-	1	DR06226	Hinge - Diesel nozzle lock
24	-	1	DN06223	Spring - Diesel nozzle lock
25	-	1	DT06227	Flap - Diesel nozzle lock
26	-	AR	DN06228-001	Decal - Diesel standard
26	-	AR	DN06228-002	Decal – Diesel Mobil
27	-	2	DQ23126-505	Bolt hex. hd. M6 x 16
28	-	2	DQ41501-013	Washer flat 6mm
29	-	4	DQ41506-013	Washer lock 6mm
30	-	2	DQ38050-015	Nut hex. M6
31	-	REF	DR06225-001	Nozzle lock Assy - standard (includes items 21 to 31)
31	-	REF	DR06225-002	Nozzle lock Assy - Mobil (includes items 21 to 31)
32	-	REF	DN06230-001	Kit - Diesel nozzle lock standard
32	-	REF	DN06230-002	Kit - Diesel nozzle lock Mobil
33	1	1	DQ59419-001	Decal – pump stop

HOSE, NOZZLE & ACCESSORIES



HOSE, NOZZLE & ACCESSORIES				CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.
ITEM	16mm HOSE	25mm HOSE	PART NUMBER	DESCRIPTION
1	1	-	DN02381-219	Hose assembly 3500mm.
1	-	1	TBA	Hose assembly 3500mm.
2	REF	-	102-KS16	Inner sleeve – included in Item 1
3	AR	-	102-ST16BLACK	Sleeve antikinking outer black
3	AR	-	102-ST16WHITE	Sleeve antikinking outer white
3	AR	-	102-ST16BLUE	Sleeve antikinking outer blue
3	AR	-	102-ST16RED	Sleeve antikinking outer red
3	AR	-	102-ST16GREEN	Sleeve antikinking outer green
3	AR	-	102-ST16YELLOW	Sleeve antikinking outer yellow
3	AR	-	102-ST16PURPLE	Sleeve antikinking outer purple
4	AR	-	DK00763	Swivel
5	1	-	DK00762	Strainer
6	AR	-	102-ZVA4R	Nozzle - 16mm spout (gasoline)
6	AR	-	102-ZVA4	Nozzle - 19mm spout (diesel)
7	AR	-	DK00738	Guard scuff black
7	AR	-	102-EK144WHITE	Guard scuff white
7	AR	-	102-EK144BLUE	Guard scuff blue
7	AR	-	102-EK144RED	Guard scuff red
7	AR	-	102-EK144GREEN	Guard scuff green
7	AR	-	102-EK144YELLOW	Guard scuff yellow
7	AR	-	102-EK144SILVER	Guard scuff silver
7	AR	-	102-EK144GOLD	Guard scuff gold
7	AR	-	102-EK144PURPLE	Guard scuff purple
8	AR	-	DR02073	Guard splash black
8	AR	-	DR02073-001	Guard splash yellow
8	AR	-	DR02073-004	Guard splash red
8	AR	-	DR02073-005	Guard splash green
8	AR	-	DR02073-007	Guard splash white
8	AR	-	DR02073-008	Guard splash blue
8	AR	-	DR02073-010	Guard splash silver
8	AR	-	DR02073-011	Guard splash gold
8	AR	-	DR02073-012	Guard splash purple
9	1	-	DK02474	Bracket flow control short
10	2	2	102-VD33-24	Washer seal
11	-	1	102-EK372	Strainer 25mm nozzle
12	-	1	102-ZVA25-41	Nozzle 25mm
13	-	1	102-EK344	Guard scuff
14	-	1	103-11AL/P-SPG-BLK	Guard splash black
15	-	REF	102-EA375.1	Swivel 1" BSP. - included in Item 12
16	AR	-	102-ES-BREAK1BSP	Coupling breakaway 1" BSPP

CUSTOMER DISPLAY MODULE



CUSTOMER DISPLAY MODULE				CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.
ITEM	No. REQ'D		PART NUMBER	DESCRIPTION
	PUMPS	DISPENSERS		
1	1	1	DT09430	CDM Housing – weld assy.
2	1	-	DR09486	Module - pump
2	-	1	DR09486-001	Module - dispenser
3	16	16	DQ38056-014	Nut M5 washer faced hex zn pl.
4	1	1	DQ23101-398	Screw ch. hd. M4 x 12 zn pl.
5	1	1	DR09449	Cover
6	1	1	DT09545-001	Door – front includes items 7 & 8 only
7	REF	REF	DT09435	Door – weld assy white – included in item 6
8	REF	REF	DK01252-034	Window – included in item 6
9	AR	AR	DR09459-001	Tote / cable assy – 3 product
9	AR	AR	DR09459-002	Tote / cable assy – 2 product
10	REF	REF	DQ44752-004	Counter impulse – included in item 9
11	REF	REF	DK09457	Bracket – included in item 9
12	1	1	DQ41506-010	Washer external tooth M4 zn Pl.
13	1	1	DQ23128-060	Screw pan hd phillips M4 X 6 zn pl.
14	22	22	DQ40851-001	Support pcb 6.4mm
15	1	1	DT09264	Processor pcb
16	1	1	DT07796-002	Cover - processor
17	7	7	DQ23128-081	Screw phil hd M5 x 10 zn pl.
18	5	5	DQ41511-012	Washer M5 internal tooth zn pl.
19	1	1	DT09456	Bracket – processor pcb
20	1	1	DR09201	I. S. barrier pcb
21	1	1	DN09437-002	Lock cam – right hand
22	2	2	DQ41511-022	Washer lock M18 internal tooth zn pl.
23	2	2	DQ40551-009	Lock
24	1	1	DT09359-001	Power supply
25	1	1	DN09462	Bracket – power supply
26	30mm.	30mm.	DQ15007-002	Extrusion rubber channel – hidden
27	1	1	DQ44220-016	Ballast 240V EC10
28	1	1	DN09437-001	Lock cam – left hand
29	2	2	DK09468	Bracket - light
30	1	1	DN09464-001	Cable assy – lighting – includes items 31 & 32
31	REF	REF	DQ44454-004	Lamp / starter holder – included in item 30
32	REF	REF	DQ44454-002	Lamp holder – included in item 30
33	1	1	T010-0533	Starter
34	4	4	DQ23067-104	Screw pan hd type 23 #4 x 1/2
35	1	1	DQ44252-219	Fluor tube 10W
36	1	1	DQ15007-005	Pinchweld - seal
37	1	1	DT09461	Shelf cdm
38	1	1	DQ40500-006	Clamp - cable
39	6	6	DQ23128-062	Screw pan hd phillips M4 x 10 zn pl.
40	2	2	DQ38056-015	Nut M6 washer faced hex zn pl.
41	2	2	DR09412	Mounting plate – display pcb
42	2	2	DN09484	Diffuser

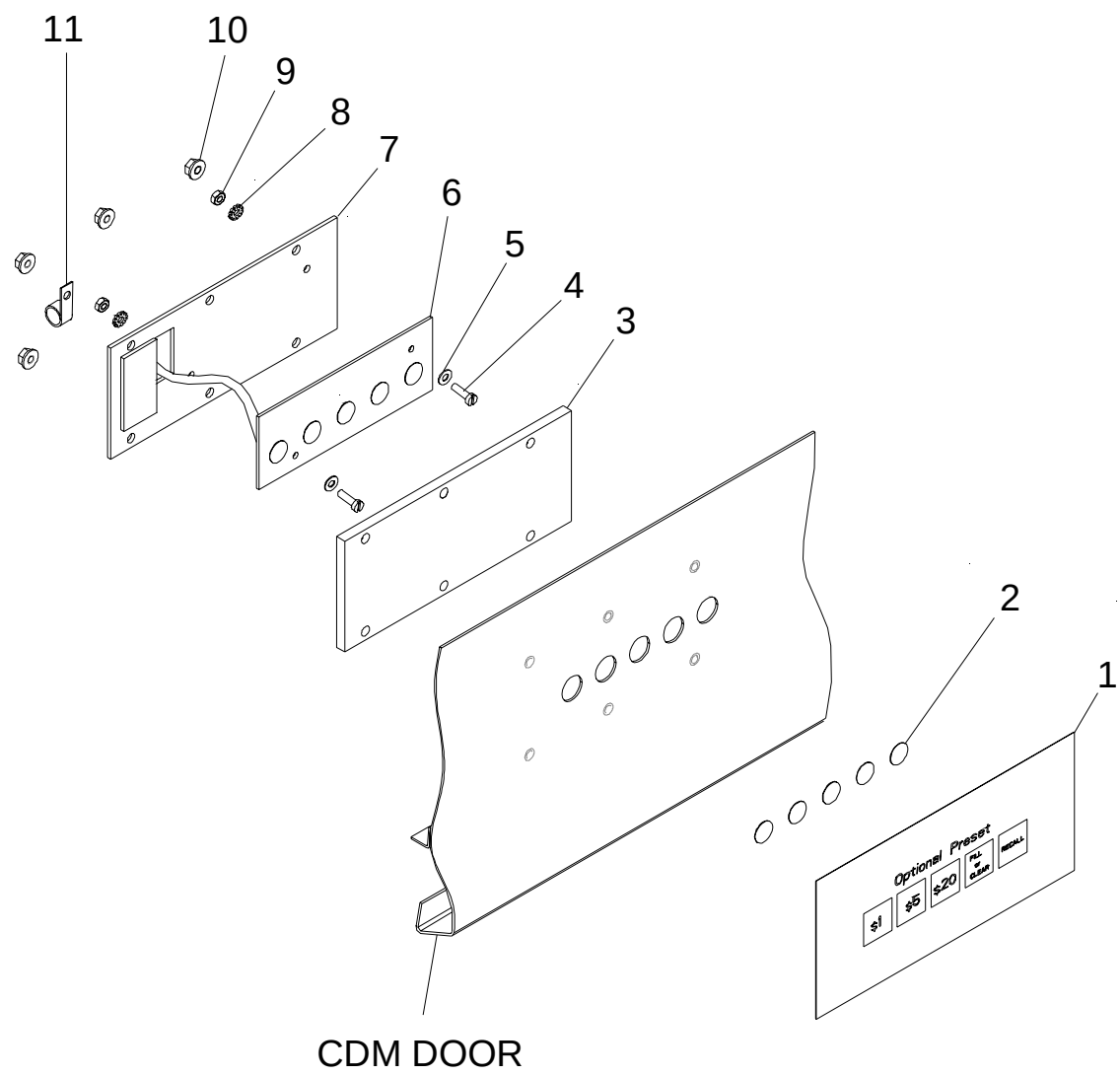
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CUSTOMER DISPLAY MODULE - continued

CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.

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PRESET ASSEMBLY

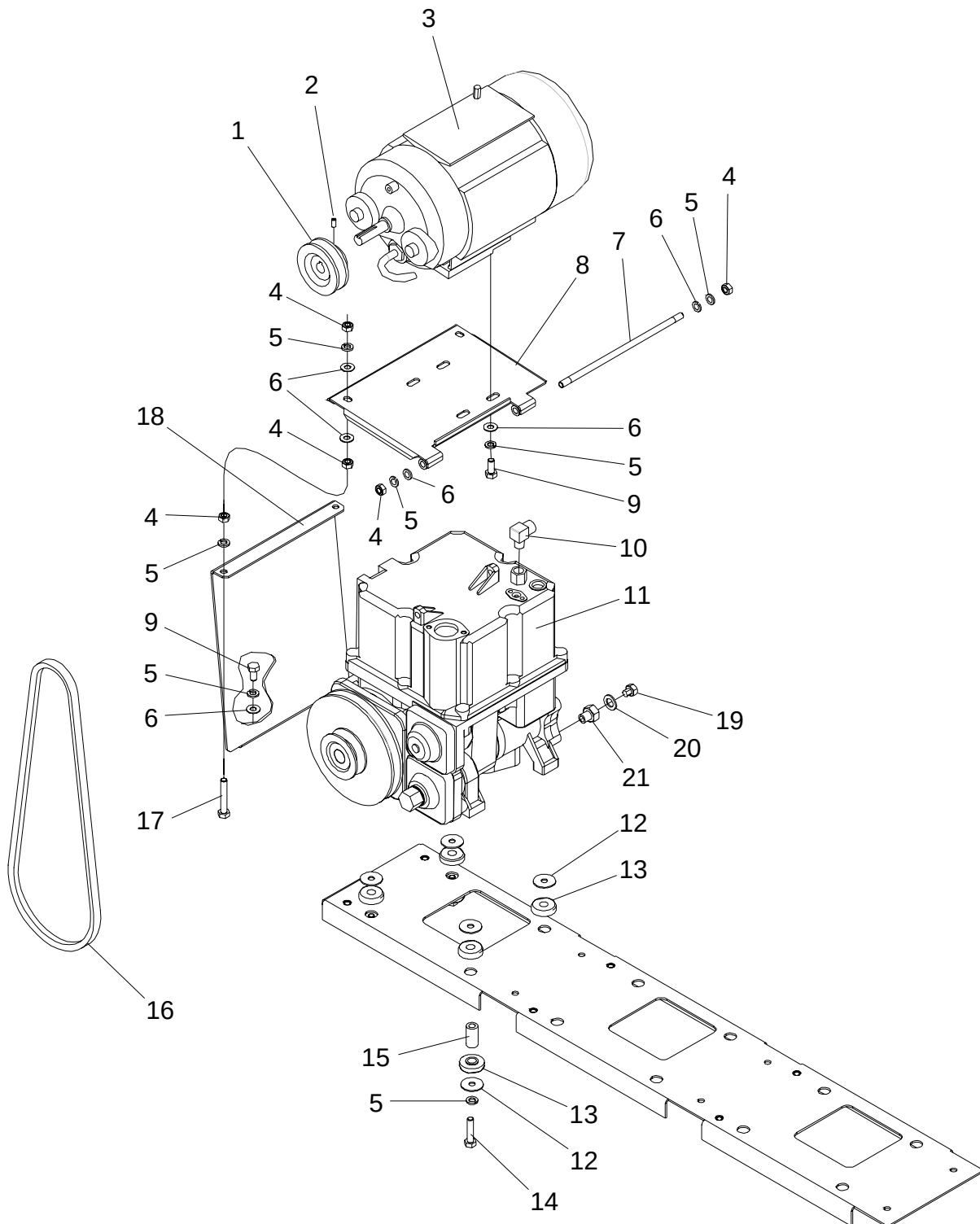


PRESET KEYPAD ASSEMBLY

CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.

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MOTOR & PUMP MOUNTING - Pumps

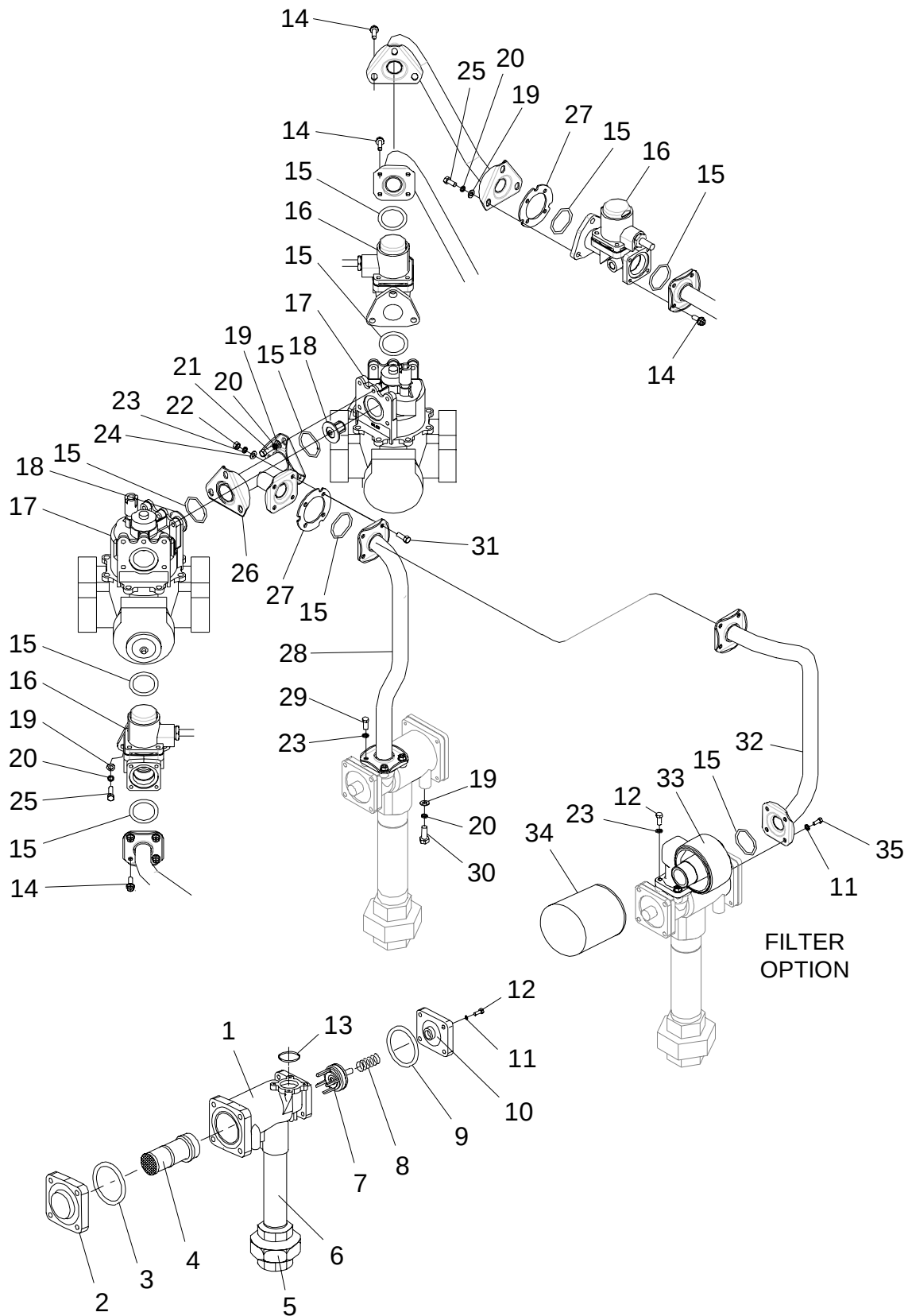


MOTOR & PUMP MOUNTING – Pumps

CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.

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HYDRAULICS MODULE – Dispensers



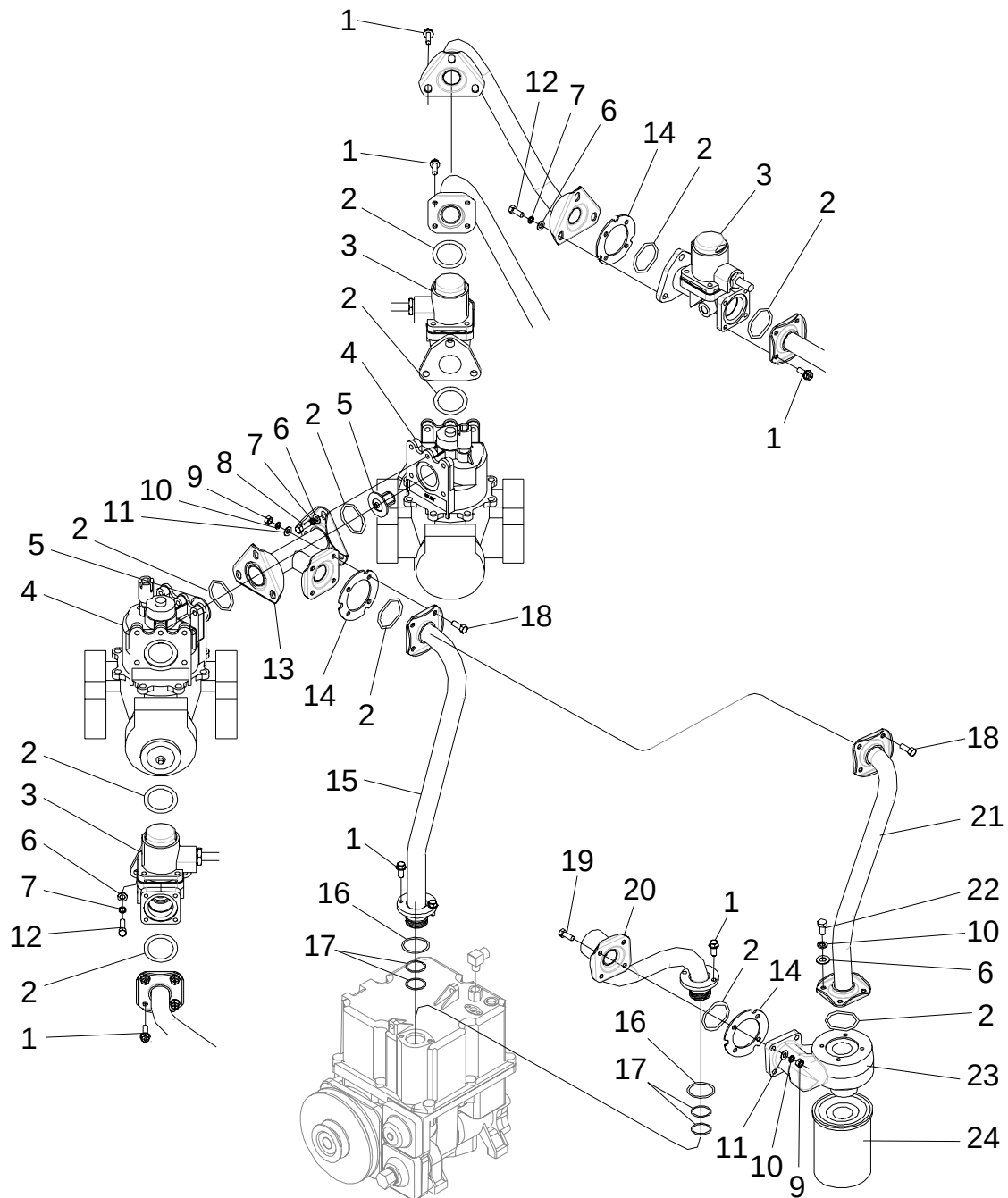
Note: Filter kits are available for field retrofitting of existing dispensers when required.

Refer to the table below to determine the Part Number of the kit appropriate to retrofit a particular dispenser.

HYDRAULICS MODULE – Dispensers			CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.
ITEM	No. REQ'D PER DISPENSER UNIT	NUMBER	DESCRIPTION
1	1	DT04882-004	Manifold assy. – includes Items 2-12
2	1	AN20424	Cap strainer
3	1	AQ10068-24	O-ring
4	1	GB0821	Strainer
5	1	DQ49118-020	Union F&F 1 1/2 inch BSP
6	1	DN04945-002	Pipe galvanised 40mm. x 200mm. long
7	1	DK04880	Valve assy.
8	1	AK88744	Spring
9	1	AQ10068-20	O-ring
10	1	AR14024-01	Cap check valve
11	12	DQ41508-004	Washer spring 1/4 inch
12	8	DQ23069-219	Screw hex hd. 1/4UNC x 3/4
13	1	DQ41011-219	O-ring
14	12	DQ23133-102	Screw hex hd M6 x 16 captive washer zn pl.
15	9	DQ41011-223	O-ring
16	AR	DR06220-004	Valve assy – normal flow
16	AR	DR06220-005	Valve assy – high flow
17	2	DN03442-003	Meter 4 piston litres
18	2	AN23619-G2	Valve - check
19	12	DQ41501-015	Washer flat M8 zn pl.
20	12	DQ41508-005	Washer spring M8 zn pl.
21	6	DQ23069-254	Screw hex hd 5/16 UNC x 20 zn pl.
22	4	DQ38050-015	Nut hex M6 zn pl.
23	4	DQ41508-004	Washer spring M6 zn pl.
24	4	DQ41501-013	Washer flat M6 zn pl.
25	6	DQ23069-256	Screw hex hd 5/16 UNC x 28 zn pl.
26	1	DR09515	Pipe – tee meter inlet
27	1	DN04868	Retainer o-ring
28	1	DR09533	Pipe – meter inlet
29	4	DQ23069-217	Screw hex hd. 1/4 UNC x 1/2
30	3	DQ23069-253	Screw hex. Hd 5/16 UNC x 16 zn pl.
31	4	DQ23102-507	Screw hex hd. M6 x 20 zn pl.
32	AR	DR09534	Pipe – meter inlet
33	AR	DT05922-002	Manifold - filter
34	AR	AR18189-10	Filter – 10 micron
34	AR	AR18189-30	Filter – 30 micron
34	AR	AR20039	Filter – water alert
34	AR	AR19736-10	Filter - alcohol
35	AR	DQ23102-503	Screw hex hd M6 x 12 zn pl.

CONVERSION KIT PART NUMBER	USED ON
DN07630-250	Dispensers

HYDRAULIC MODULE – Pumps

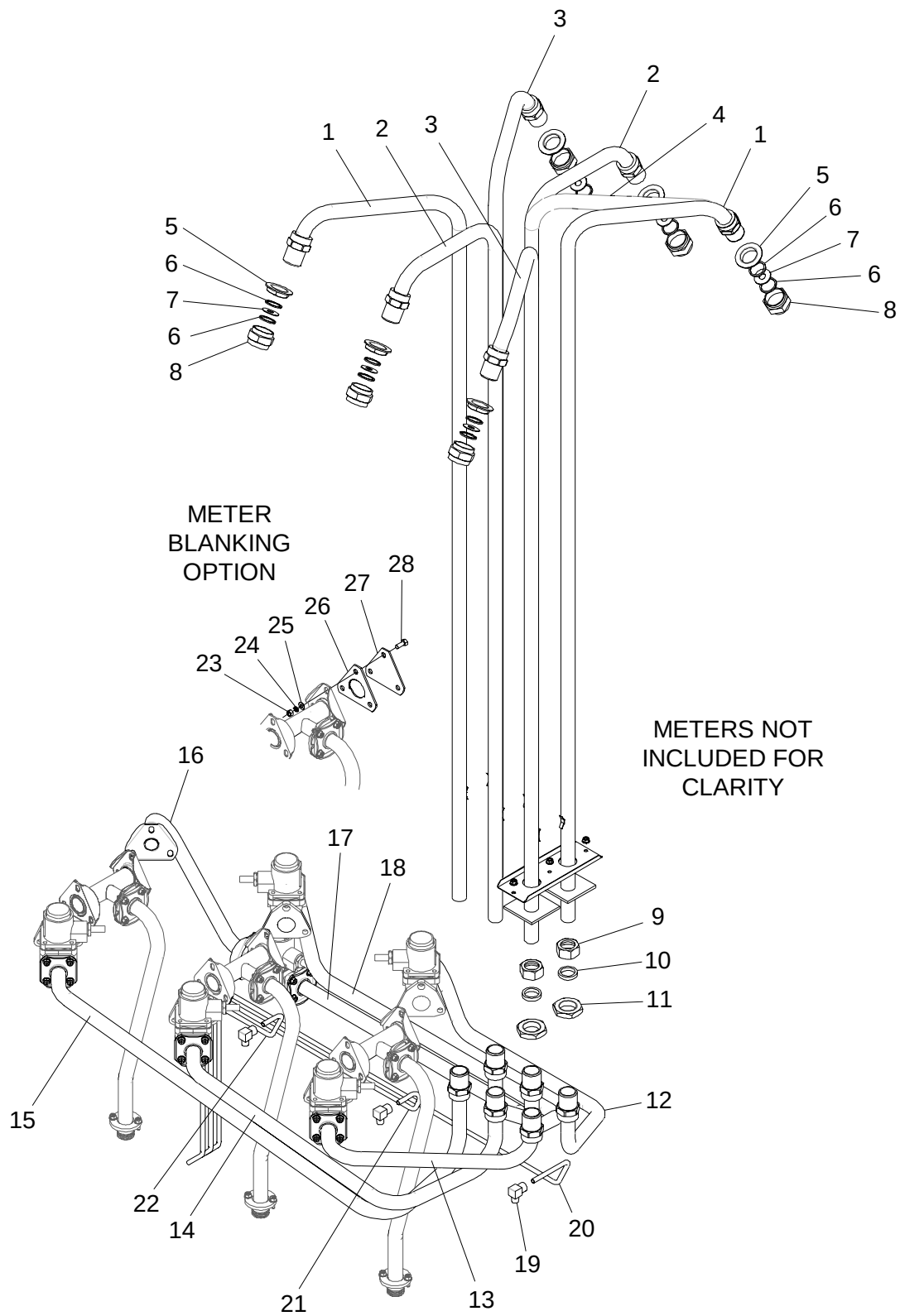


FILTER
OPTION

Refer to the table below to determine the Part Number of the kit appropriate to retrofit a particular pump.

CONVERSION KIT PART NUMBER	USED ON
DN07630-251	Pumps

PIPES AND FILTERS

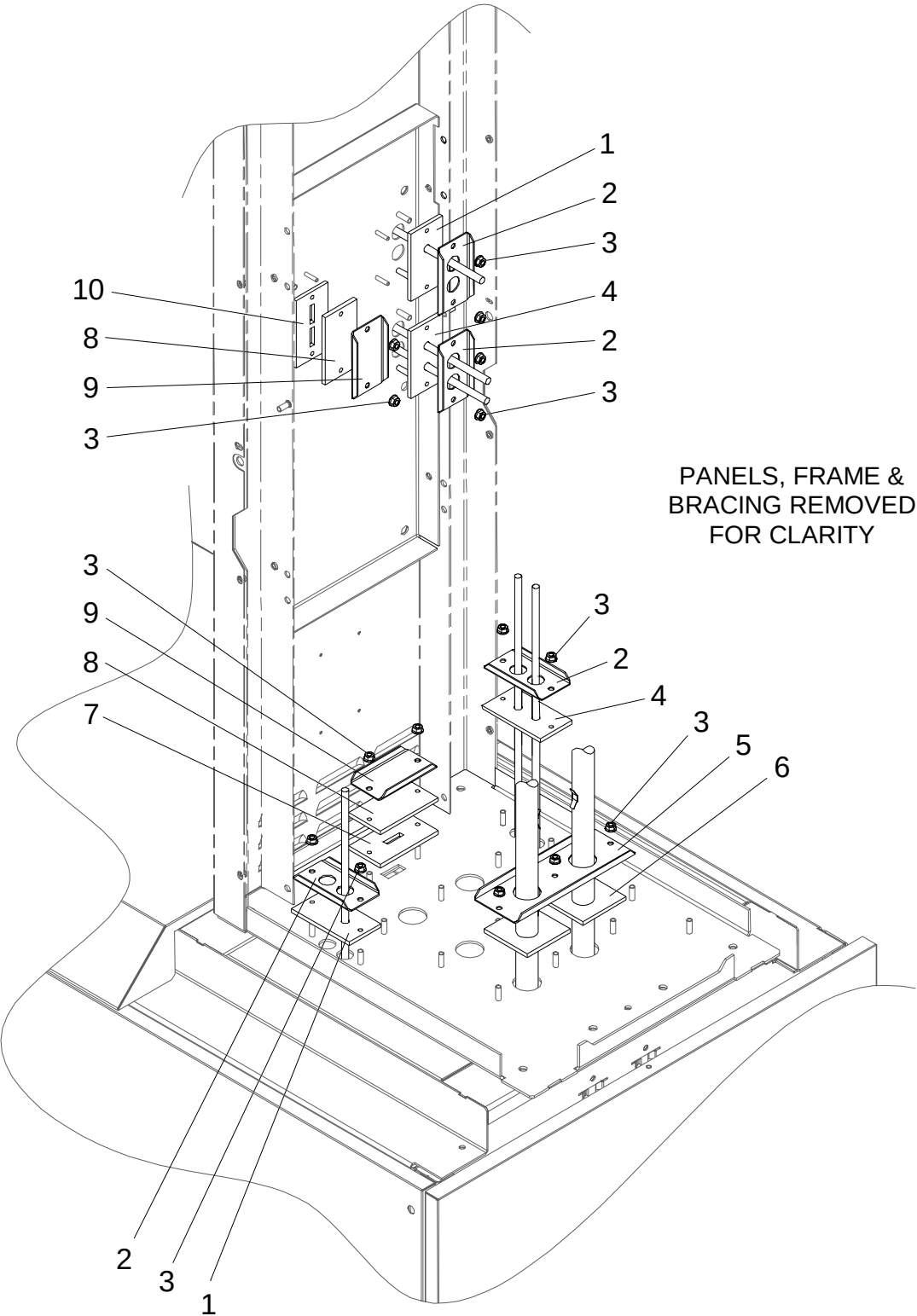


PIPES & FILTERS

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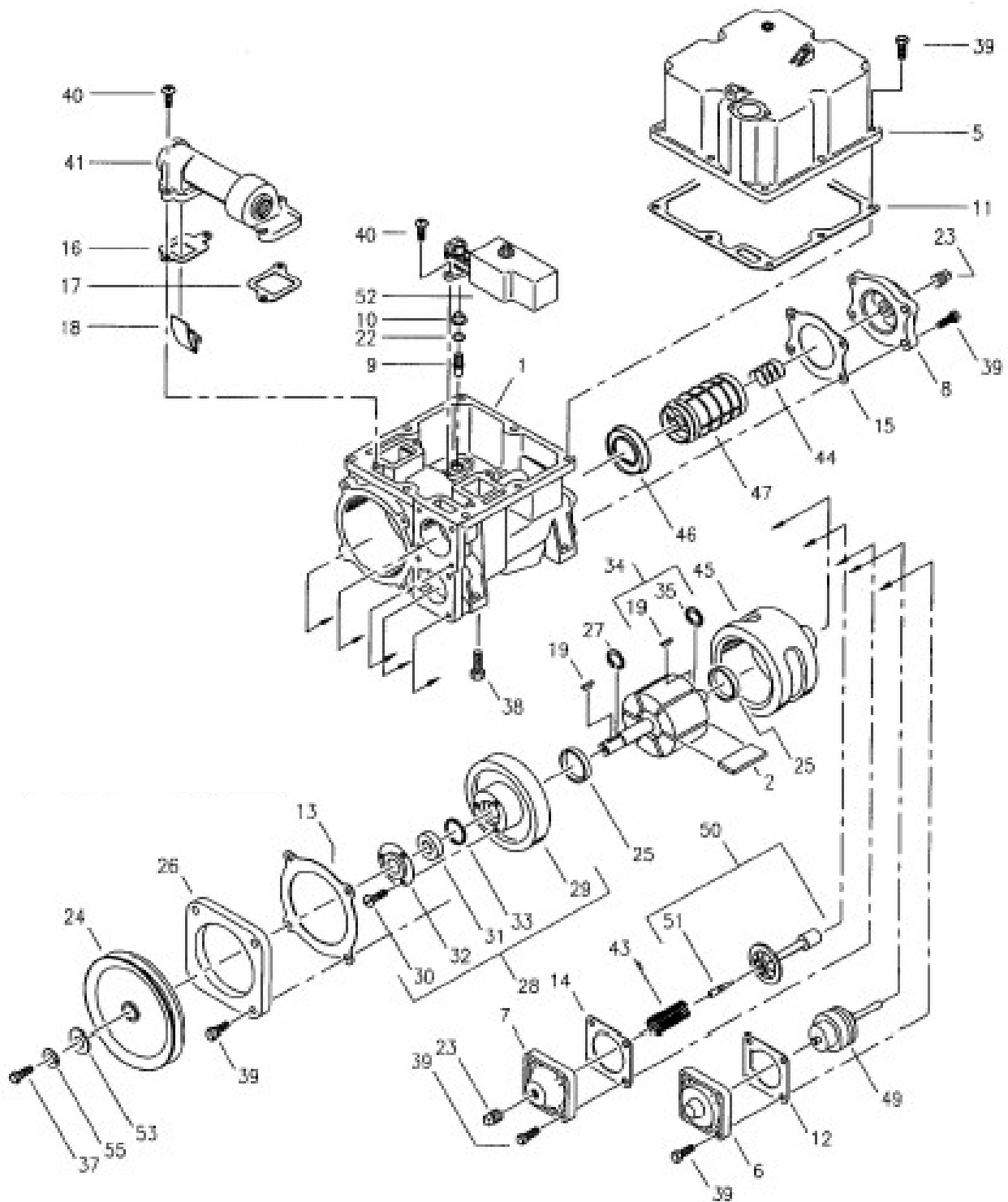
BARRIER SEALING – Vapour Barrier



BARRIER SEALING – Vapour Barrier

CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.

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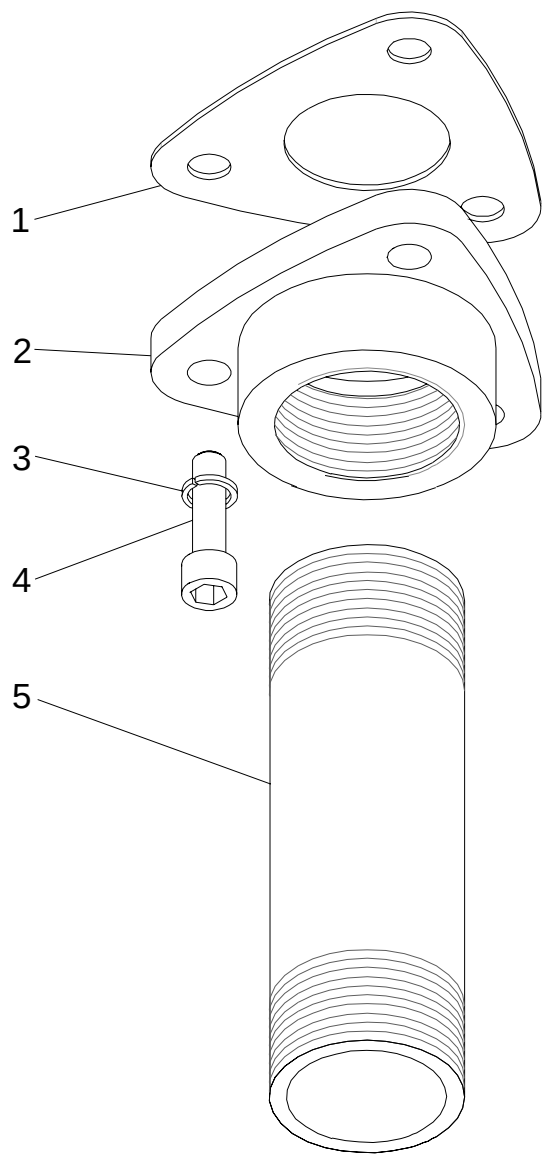
PUMP GPU - 90-M04920B007

**Note: Parts listed in Table below are not available for individual purchase.
See list of Repair Kits for purchase part options**

PUMP GPU – 90-M04920B007				CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.	
ITEM	Quantity	DESCRIPTION	ITEM	Quantity	DESCRIPTION
1	1	Body	29	1	Cover, Rotor
2	8	Blade, rotor (6 on old models)	30	3	Screw, M3.5 Flat Hd.
3	0	Not part of pump - Not shown	31	1	Seal, lip (with plug)
4	0	Not part of pump - Not shown	32	1	Seal, Retainer
5	1	Cover, atmospheric chamber	33	1	Seal, Square
6	1	Cover, Bypass Valve	34	1	Rotor and Shaft assembly
7	1	Cover, Control Valve	35	1	Ring, Retaining
8	1	Cover, Filter	36	0	Not part of pump - Not shown
9	1	Float, non-reversing	37	1	Screw, M8 1.25X15mm (pulley shaft)
10	0	Not part of pump - Not shown	38	AR	Screw, M8 1.25X20mm (pump mt)
11	1	Gasket, atmospheric chamber	39	24	Screw, M8 1.25X25mm
12	1	Gasket, Bypass Valve	40	6	Screw, M6 1X20mm
13	1	Gasket, Clamping ring	41	1	Separator & Air Eliminator
14	1	Gasket, Control Valve cover	42	0	Not part of pump - Not shown
15	1	Gasket, Filter Cover	43	1	Spring, Control Valve
16	1	Gasket, Air Separator- Inlet	44	1	Spring, Filter
17	1	Gasket, Air Separator- Outpet	45	1	Stator, H.D.
18	1	Insert	46	1	Check valve (inlet)
19	1	Key	47	1	Strainer, Inlet (70 Micron)
20	0	Not part of pump - Not shown	48	0	Not part of pump - Not shown
21	0	Not part of pump - Not shown	49	1	Valve assembly, Bypass
22	1	O-ring	50	1	Valve assembly, Control
23	1	Air-Test adapter and plug #	51	1	Valve, Reief 30-50 psi
24	1	Pulley	52	1	Valve assembly, Float
25	2	Ring, Throw out (H.D.)	53	1	Washer (pulley)
26	1	Ring, Clamping	54	0	Not part of pump - Not shown
27	1	Ring, Retaining	55	1	Washer, Lock (pulley)
28	1	Rotor support Assembly			

PUMP GPU - 90 REPAIR KITS			CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.
KIT PART NUMBER	DESCRIPTION	KIT COMPONENT PARTS	
807-M04920K100	Bypass Valve	Bypass Valve, Spring	
807-M04920K101	Strainer	70 Micron Strainer	
807-M04920K102	Master Seal	Clamp Ring Gasket, Bypass Valve - Cover Gasket, Control Valve - Cover Gasket, Filter - Cover Gasket, Atmosphere Chamber – Cover Gasket, Inlet Gasket, Shaft Square Seal, Shaft Seal Assembly	
807-M04920K103	Blades	Blade, Shaft Square Seal, Shaft Seal Assembly	
807-M04920K104	Control Valve	Control Valve, Heavy Duty Spring	
807-M04920K105	Shaft Seal	Square Seal, Shaft Seal Assy., Seal Guide	
807-M04920K106	Pumping Element Field Rebuild	Rotor and Shaft, Blade, Retaining Ring, Shaft Key, Shaft Seal Assy.	
807-M04920K107	Sump Float	Float Valve Assembly, O-Ring, Non-Reversing Float	
807-M04920K108	Pumping Element Workshop Rebuild	Rotor and Shaft, Blade, Throw Out Ring, Retaining Ring, Rotor Cover, Clamp Ring Gasket	
807-M04920K109	Inlet Check Vlave	O-Ring, Check Valve assembly	
807-M04920K110	Overflow Check Valve - OIML	Air Valve Housing, Air Valve Gasket, Valve Sub assm.- Air Vent, Float, Retaining Ring	

INLET PIPE FITTINGS



INLET PIPE FLANGE				CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.
ITEM	No. REQ'D PER PUMP UNIT	PART NUMBER	DESCRIPTION	
1	1	106-T-TG38	Gasket	
2	1	106-T-TF38-01	Flange triangle	
3	3	DQ41508-026	Washer spring M10 zn pl.	
4	3	DQ23118-186	Screw M10 x 25 hex socket hd zn pl.	

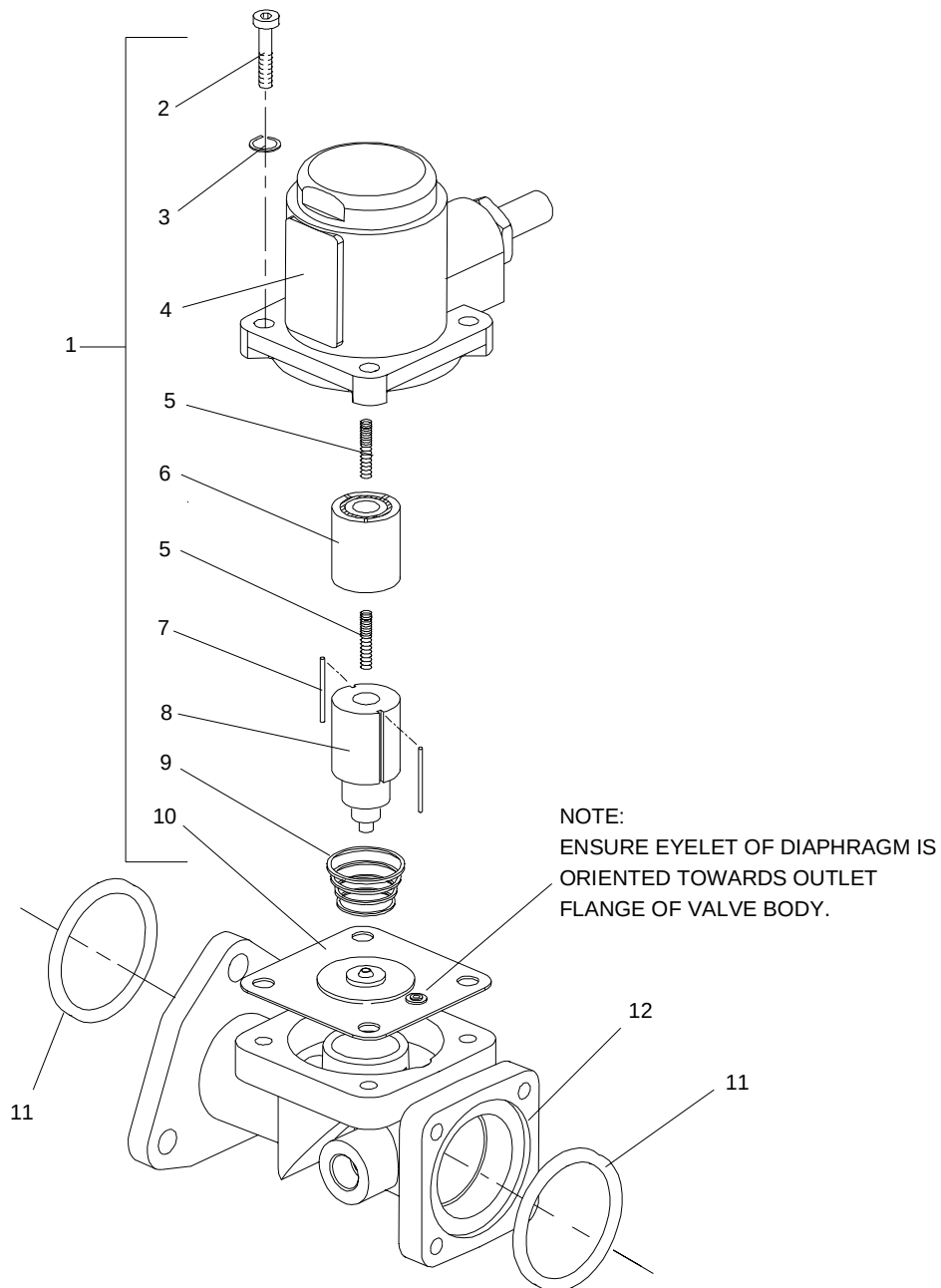
INLET DROP PIPE (not part of Pump)				CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.
ITEM	No. REQ'D PER PUMP UNIT	PART NUMBER	DESCRIPTION	
5	1	DN09544-001	Pipe 40 BSP x 40 BSP gal – supplied in installation kit (refer below)	

INSTALLATION KIT PART NUMBER	USED ON
DN07630-256	Pumps

FLOW CONTROL VALVE

DR06220-004 FLOW CONTROL VALVE - LOW FLOW

DR06220-005 FLOW CONTROL VALVE - HIGH FLOW



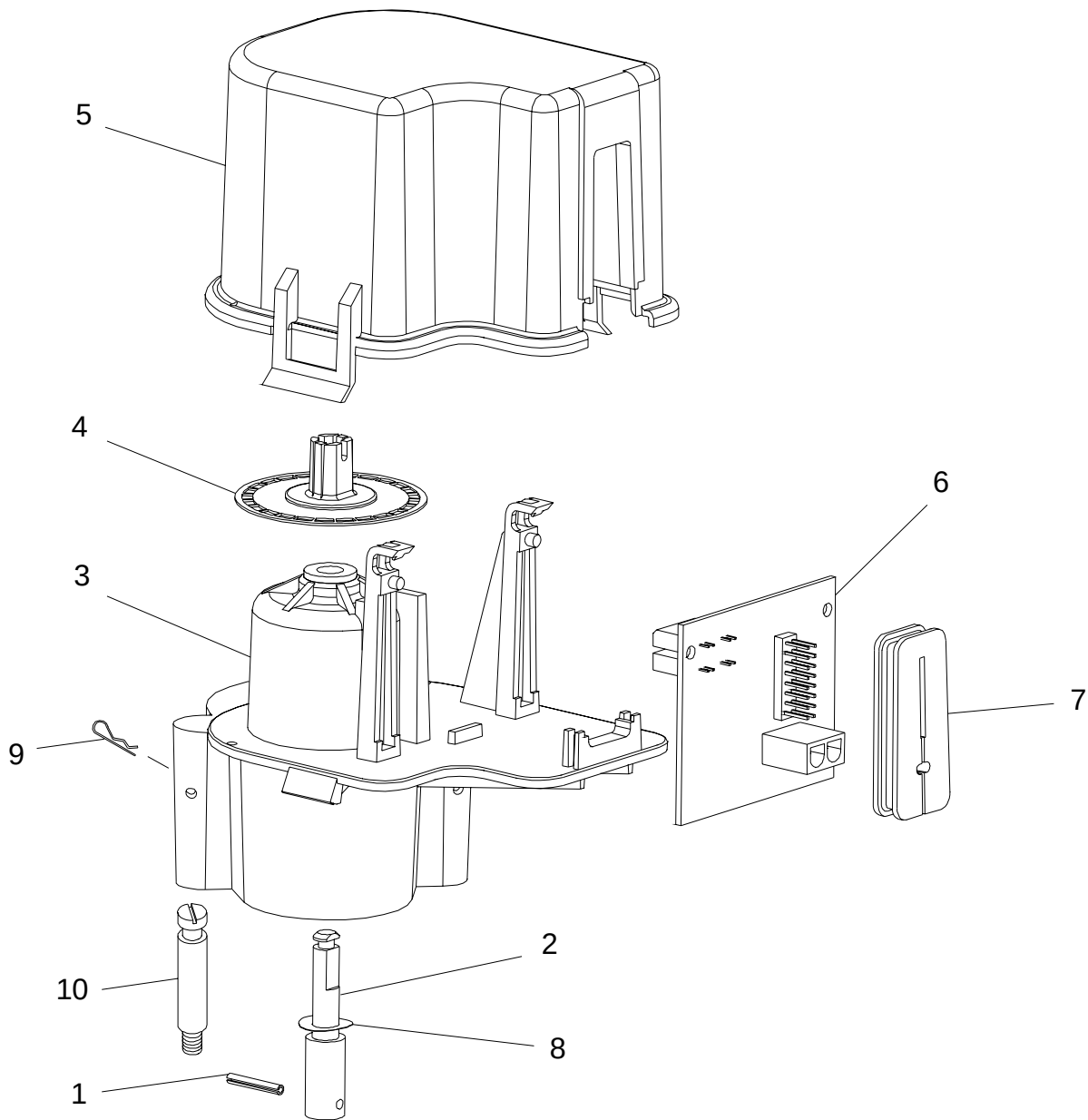
FLOW CONTROL VALVE – DR06220

CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.

[illegible]

PULSER ASSEMBLY

DR07050



PULSER ASSEMBLY DR07050			CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.
ITEM	No. REQ'D PER PULSER	PART NUMBER	DESCRIPTION
1	1	DQ41600-027	Pin roll dia 3/32" x 5/8" lg.
2	1	DN06598	Shaft pulser box
3	1	DR06656	Body pulser box
4	1	DN06597	Disc moulded
5	1	DT06599	Cover pulser box
6	1	DR06441-001	PCB int/safe pulser assy
7	1	DN07042	Grommet
8	1	DK04962	Washer wave
9	2	AK77558-28	Cotter pin (pulser to meter)
10	2	DN06456	Stud (pulser to meter)

JUNCTION BOX - MAINS

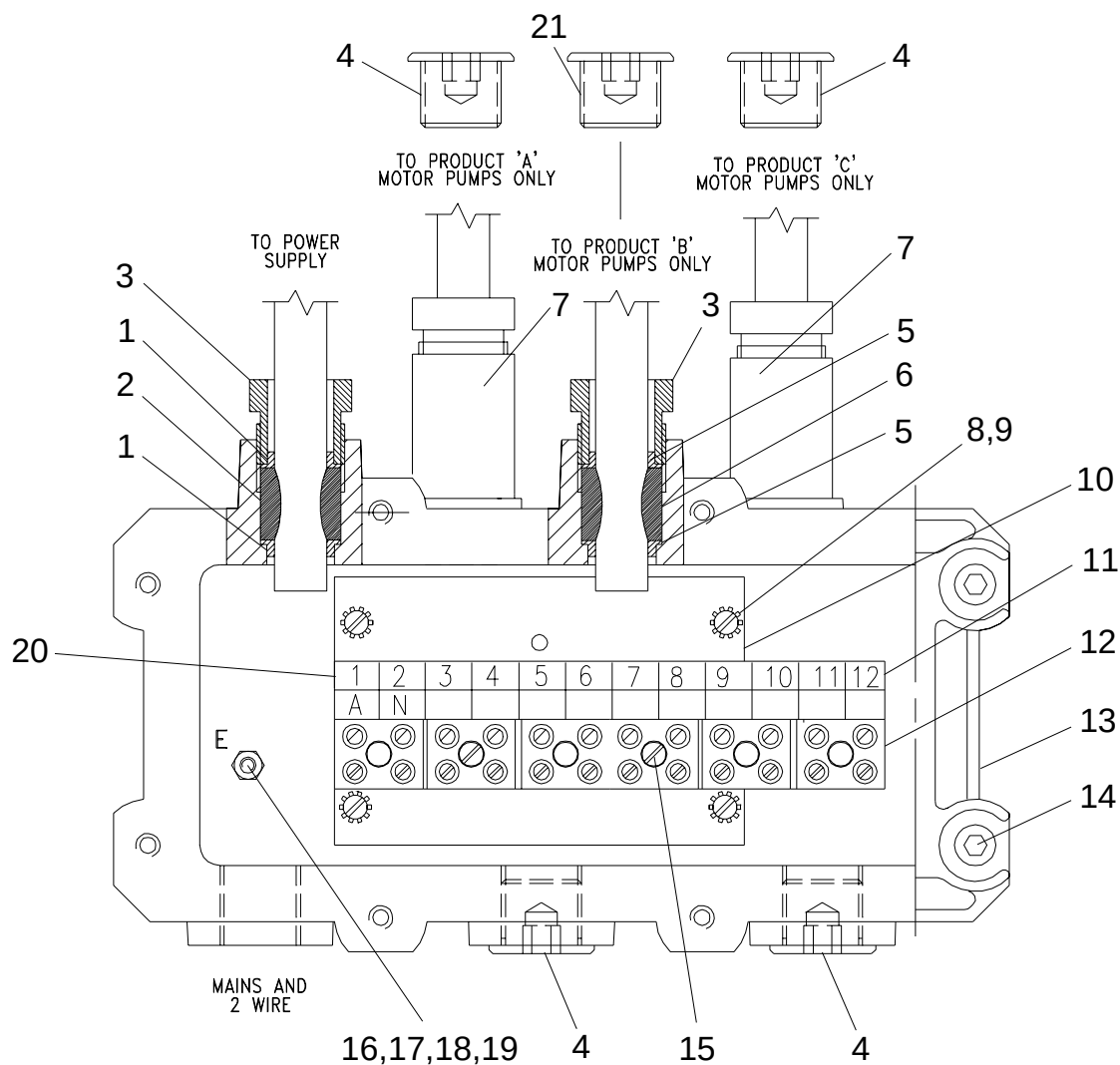
DT09463-001 TRIPLE MOTOR PUMP

DT09463-002 DUAL MOTOR PUMP

DT09463-003 SINGLE MOTOR PUMP

DT09463-004 DISPENSER

Note: Item 4 & 21 fitted into entries indicated below on dispensers & certain pumps.
Replacing components shown.



JUNCTION BOX - MAINS

CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.

[illegible]

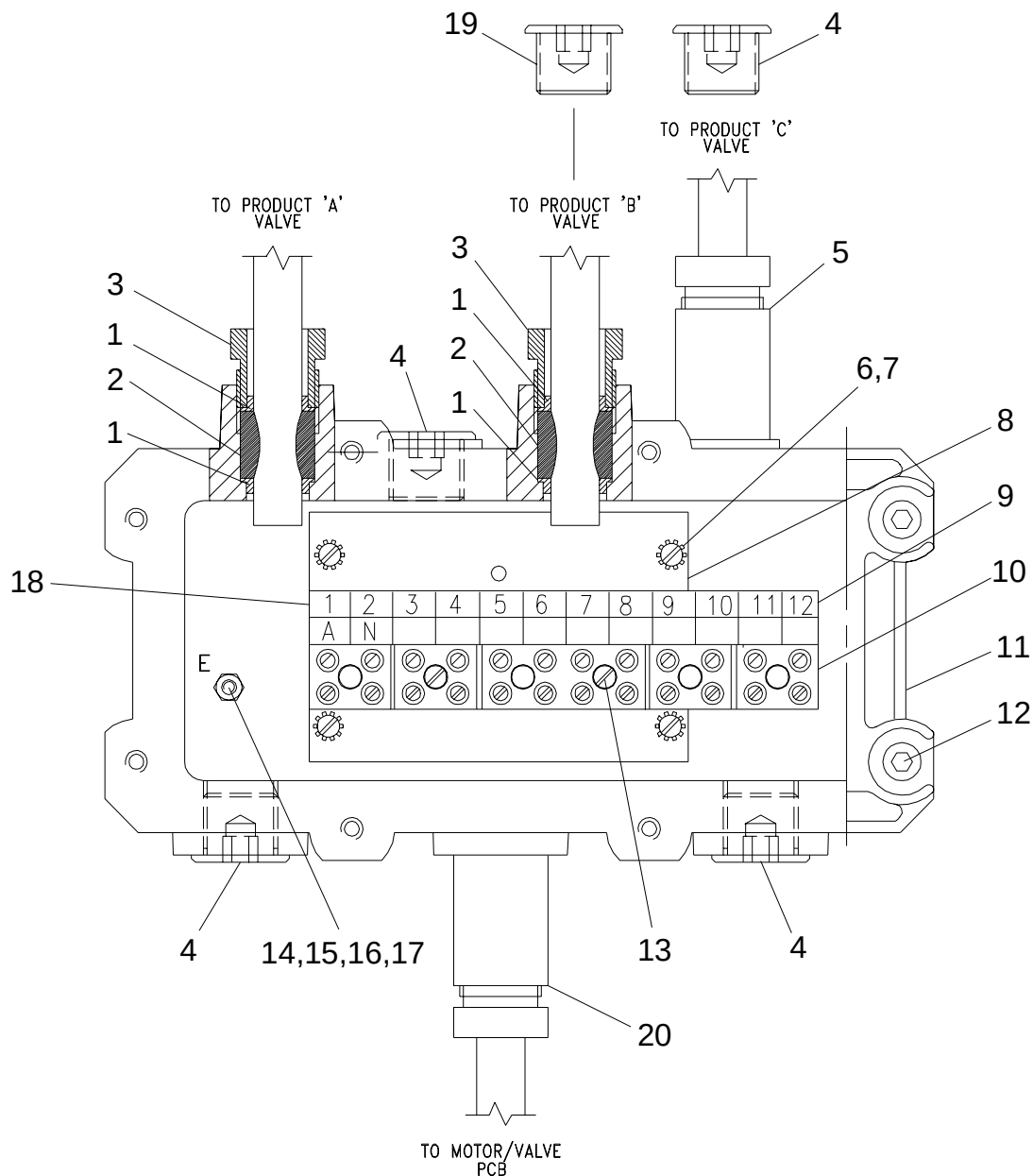
JUNCTION BOX - VALVES

DT09460-001 3 PRODUCT PUMP or DISPENSER

DT09460-002 2 PRODUCT PUMP or DISPENSER

DT09460-003 SINGLE PRODUCT PUMP or DISPENSER

Note: Item 4 & 19 fitted into entries indicated below on dispensers & certain pumps.
Replacing components shown.

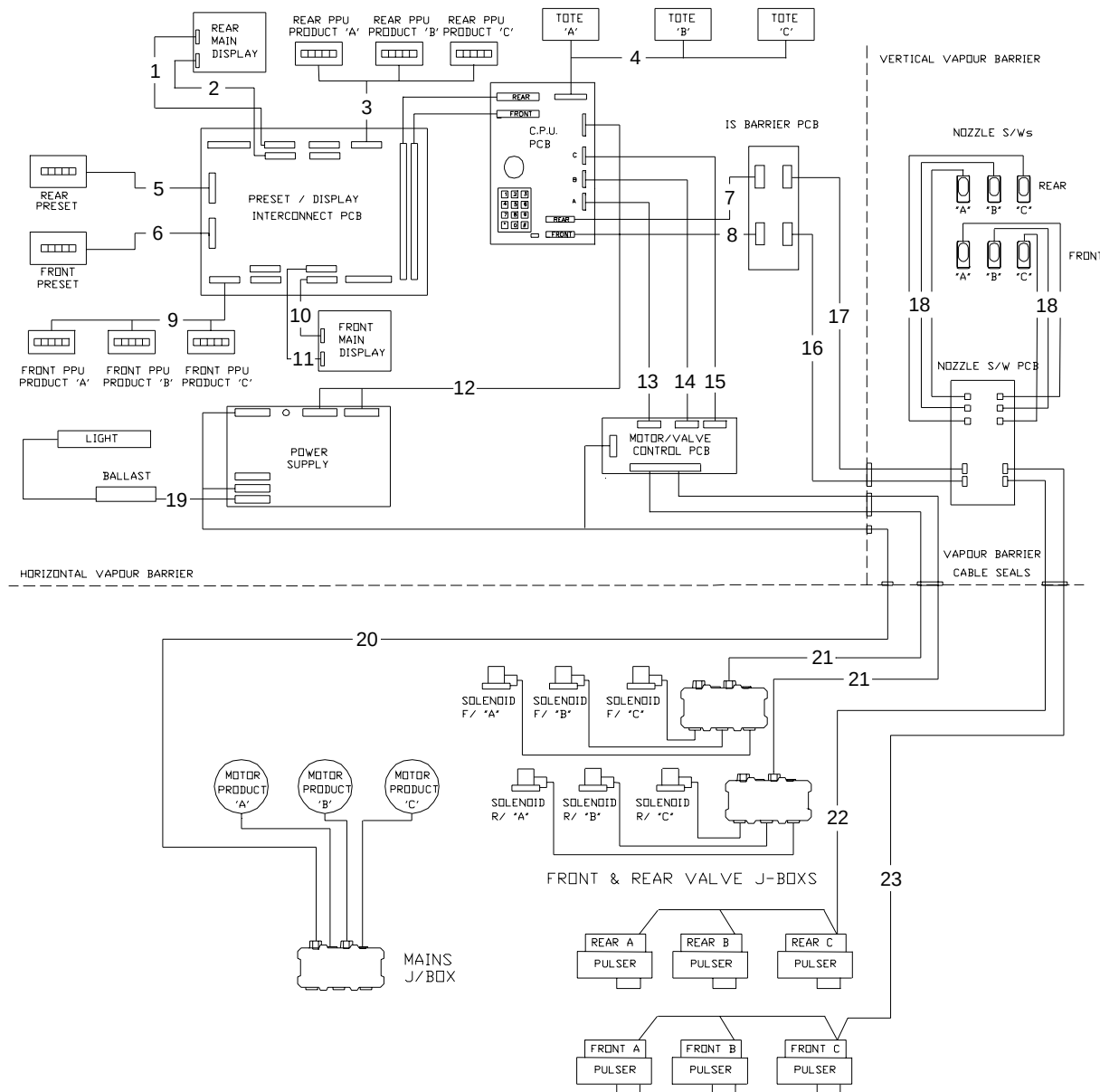


JUNCTION BOX - VALVES

CAUTION – DO NOT use item numbers for parts ordering – use only the correct part number and description.

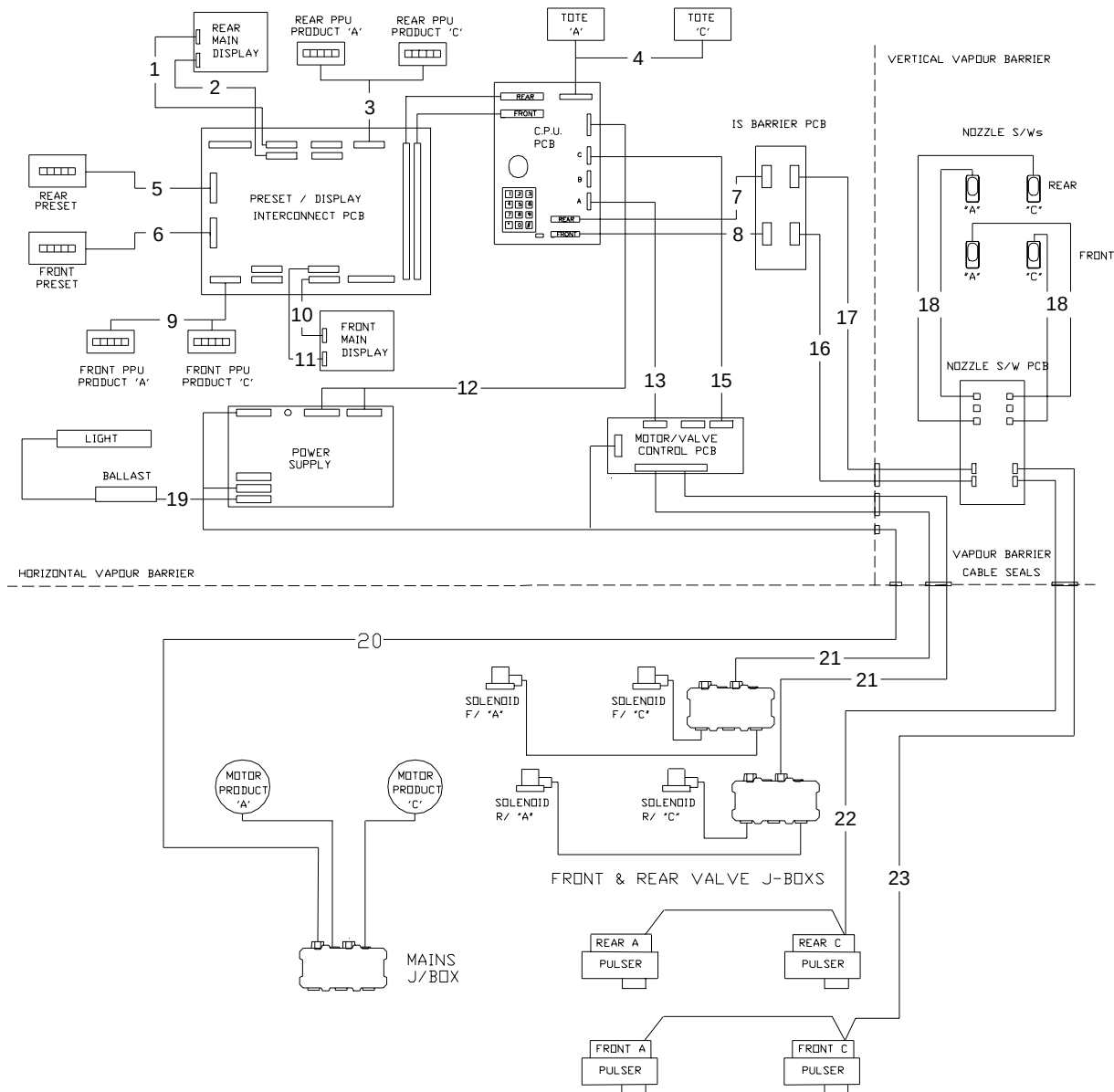
[illegible]

CABLES – Three Product Six Hose



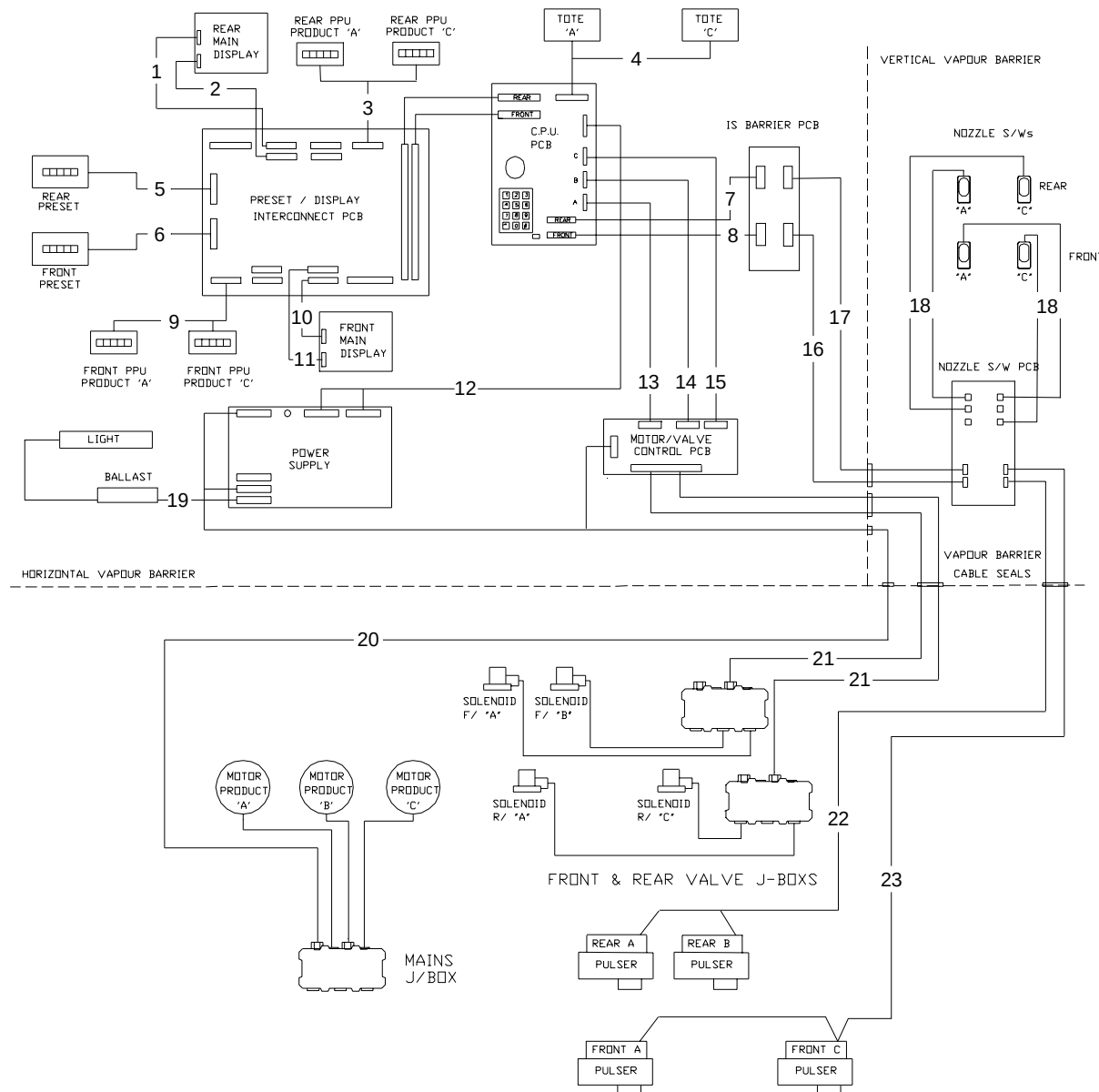
[illegible]

CABLES – Two Product Four Hose



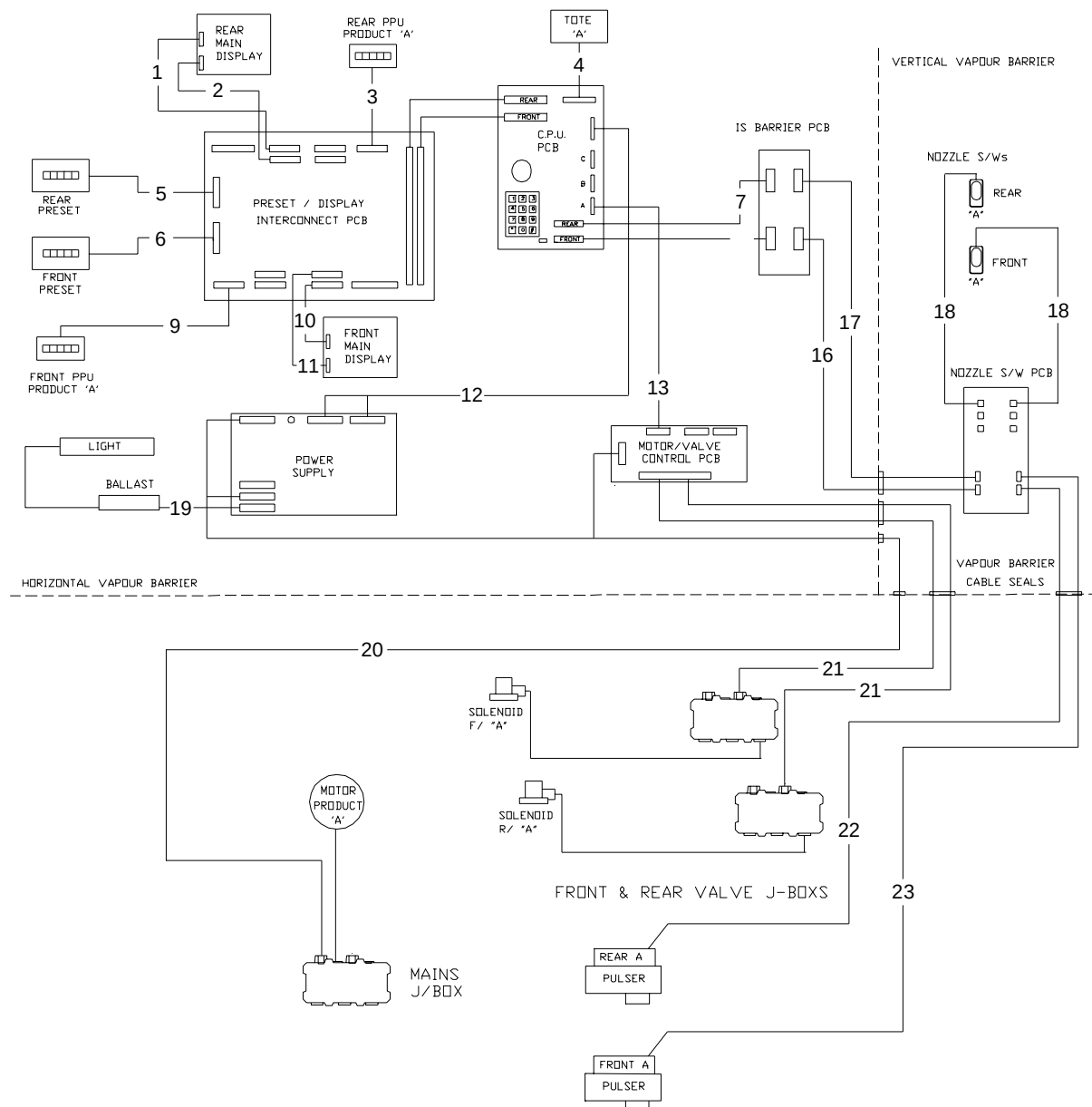
[illegible]

CABLES – Mixed Flow Two Product Four Hose



[illegible]

CABLES – One Product Two Hose



[illegible]

