

AUSPLOW

Australian designed and manufactured



MULTISTREAM Series I

SPARE PARTS MANUAL – Vol 2 of 2

VERSION 3.1

#00919

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- 2. Axles & Wheels**
- 3. Tanks**
- 4. Walkways & Ladders**
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Spare Parts Return Policy

Ausplow parts may only be returned by Ausplow Dealers under the following conditions:

- Provide a **copy of the Ausplow Sales Order/Tax invoice** which the goods were purchased on with the returned goods.
 - That way we know who they were from, when they were ordered and what Branch is to receive the credit.
- **List the part numbers and quantities** of the returned items.
- Provide a brief description of **why the goods are being returned**,
 - Ie: incorrectly supplied, incorrectly ordered etc
 - This helps us identify if the restocking fee is applicable.

6 Davison Road, Cockburn Central WA 6164
P O Box 5010, South Lake WA 6964
Ph: (61 8) 9417 8877 Fax: (61 8) 9417 8878
ausplow@ausplow.com.au
www.ausplow.com.au

Ausplow Farming Systems Pty Ltd
as Trustee for
Ausplow Farming Systems Trust
ABN 57 168 859 933
Trading As:
Ausplow Farming Systems

AUSPLOW FARMING SYSTEMS

AUSEEDER DBS - MULTISTREAM - EASITILL

TAX INVOICE

Number	
Date	
PO Number	
Cust Code	
Due Date	
Page	1

Bill To	Deliver To	Cust Code	
		Due Date	
		Page	1

Product Code	Product Description	Qty	Price	Discount	Amount Excl GST
01132	Shank - Auseeder - Hyd Recoil Painted	2.00		20.00	
01287	Blade Assembly DBA29-130	40.00		20.00	
01288	9" Blade				
	Blade Assembly - DBA27-130	50.00		20.00	
	7" Blade				
RETURNED x20 INCORRECTLY ORDERED					

EFT DETAILS: BSB: 086-136 A/C#: 795 293 766	Sub-Total (Ex GST)	
Retention of Title: Title to the goods remains with Ausplow Farming Systems until payment. The goods must be kept separate from other goods received & marked as owned by Ausplow Farming Systems. Any moneys received for the sale of the goods must be held for the benefit of Ausplow Farming Systems & paid to Ausplow Farming Systems until the debt is paid in full. If the debtor fails to pay the debt Ausplow Farming Systems can enter the premises where the goods are located & seize those goods and sell them to recover the amount of debt still owing.	GST	
	Total (Inc GST)	

- The return freight is at the **Dealer's expense**.
- The returned items must be in **resalable condition**.
 - Ie: in a clean, unused and undamaged condition
- A standard **20% restocking fee** on the Dealer Net Price applies.
- International orders and special orders are non-refundable.

- **Prior approval** of Ausplow General Management required for **any bulk returns**.

When all information is received, stock is counted and assessed as re-saleable, a credit note will be sent less the 20% restocking fee on the Dealer Net Price. No credit will be processed unless all the required information is received.

If more than a few items are to be returned, and if purchased more than 12 months ago, please **advise the Parts Section prior to returning these items**.

Procedure for Warranty Claims

- Contact the Ausplow Warranty Manager (Service Manager) initially.
- Send a completed Warranty Claim form (below) to our Warranty Department: warranty@ausplow.com.au
- If instructed by Service Manager, you may need to return parts claimed under warranty to Ausplow or request pictures of parts to be emailed.
- If approved an Ausplow Claim Reference Number will be assigned and a Warranty Sales order will be created at no charge and will advise when the order is ready.
- Where labour or subcontract cost are being claimed a separate Warranty Claim Form – Labour/Outsource (below) is to be submitted.

AUSPLOW Digging deep for every farmer		Warranty Claim Form - Parts	
		Ausplow Claim Reference # assigned by Ausplow	
		Dealer Reference / Purchase Order #	
Dealer		Date of Claim	
Branch		Date of Failure	
Owner / Trading Name			
Serial #	Date of Sale	Model #	
* Claims will not be accepted if date of claim is more than 1 month after date of failure without prior approval			
NATURE OF FAILURE describe fully			
PROPOSED RECTIFICATION state procedures to be undertaken			
Claim for Parts Only			
PARTS REQUESTED			
QTY	PART #	DESCRIPTION	
FREIGHT INSTRUCTIONS			
DELIVERY ADDRESS			
COMPLETED BY DEALER (Full Name)			
REVIEWED BY AUSPLOW			
Ausplow use only			
Approved Yes / No		Supplier Notified Yes / No	
Procurement Notified Yes / No		Claim Reference	
Comments			

Ausplow Warranty Claim Form V1.0

Submit completed claim form to: warranty@ausplow.com.au

AUSPLOW Digging deep for every farmer		Warranty Claim Form - Labour/Outsource	
		Ausplow Claim Reference # assigned by Ausplow	
		Dealer Reference / Purchase Order #	
Dealer		Date of Claim	
Branch		Date of Failure	
Owner / Trading Name			
Serial #	Date of Sale	Model #	
* Claims will not be accepted if date of claim is more than 1 month after date of failure without prior approval			
NATURE OF FAILURE describe fully			
PROPOSED RECTIFICATION state procedures to be undertaken			
Claim for Labour, Travel and Outsourced items only			
LABOUR - Excluding Travel Time - Labour is not paid for travelling time			
TOTAL HOURS CLAIMED		AT \$199.00/HOUR	TOTAL CLAIMED
TRAVEL			
TOTAL KILOMETRES		AT \$1.00/KILOMETRE	TOTAL CLAIMED
OUTSOURCE LABOUR/MATERIALS CLAIMED (Invoice copies must be forwarded)			
NAME	INVOICE #	DETAILS OF WORK	AMOUNT
			TOTAL \$
COMPLETED BY DEALER (Full Name)			
REVIEWED BY AUSPLOW			
Ausplow use only			
Approved Yes / No		Supplier Notified Yes / No	
Procurement Notified Yes / No		Claim Reference	
Comments			

Ausplow Warranty Claim Form V1.0

Submit completed claim form to: warranty@ausplow.com.au

7.0 Hydraulic System

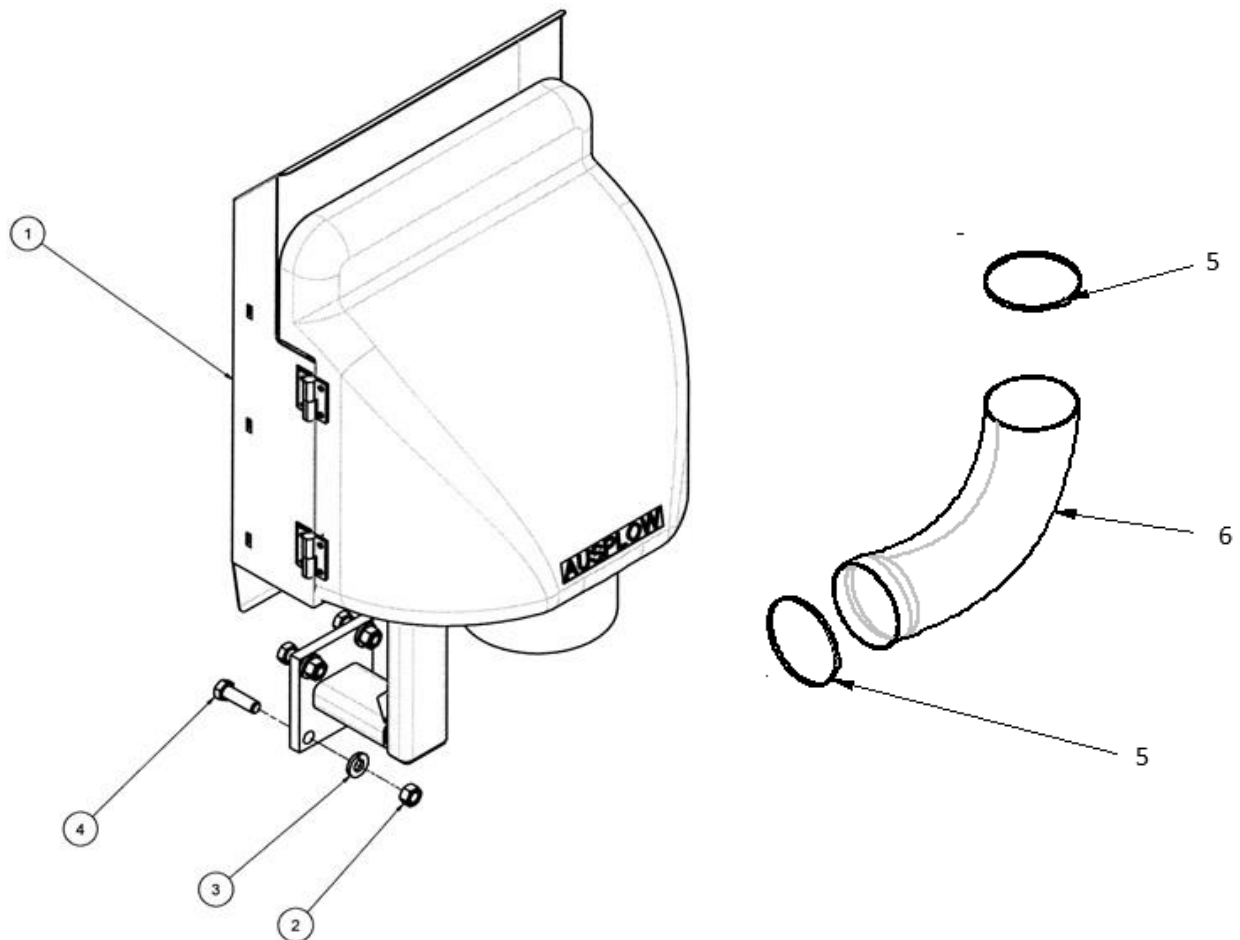
Refer to the Ausflow Multistream Operators Manual for hydraulic connection procedures and hydraulic diagrams. The vast majority of hydraulic issues are directly related to the plumbing of both the return oil supply and the emergency bypass hose.



CAUTION! Hydraulic Over Pressure or Air Burst Failures of Heat Exchanger Cores are not warranted by Ausflow as there is NO defective material or faulty component involved. These failures are the direct result of either tractor hydraulic setup / connections, or machine connection procedure.

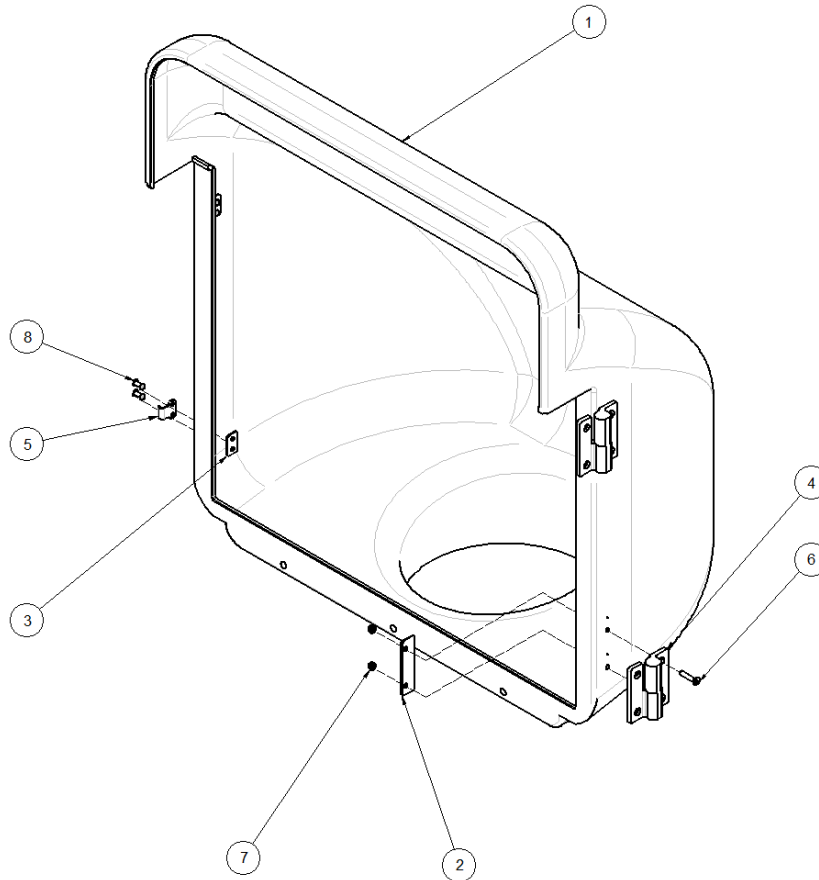
7.1 Heat Exchanger

7.1.a Heat Exchanger Assembly - Version 3



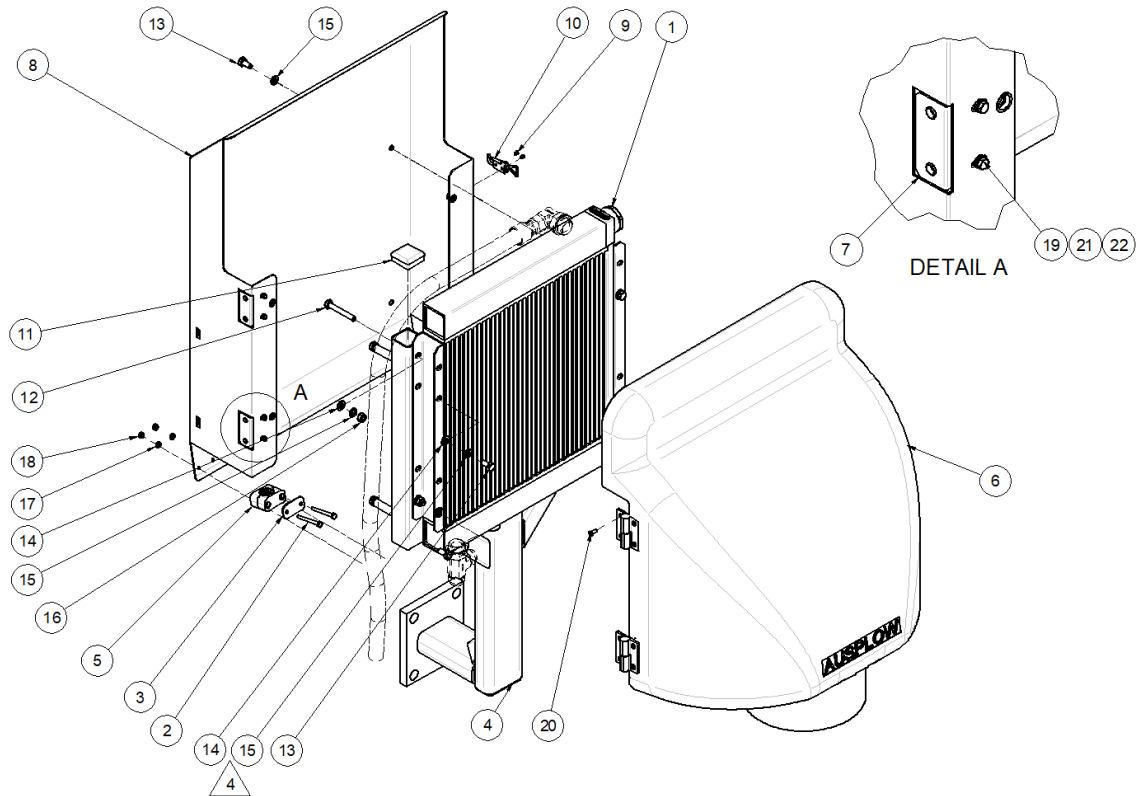
Item #	Qty	Part #	Description
All	1	15025	HEAT EXCHANGER ASSY 2000 & 3000LTR TANKS
		15026	HEAT EXCHANGER ASSEMBLY 4500LTR TANKS
1	1	14790	HEAT EXCHANGER COMPLETE 2000 & 3000LTR TANKS
		14787	HEAT EXCHANGER COMPLETE 4500LTR TANKS
2	4	09041	NUT M20
3	4	09042	WASHER SPRING M20
4	4	09261	BOLT M20 x 65mm
5	2	09280	HOSE CLAMP 222-273mm SS
6	1	07407	DELIVERY HOSE 10" 1200mmLG
NS	1	15767	HEAT EXCHANGER RETROFIT KIT

7.1.b Heat Exchanger Cowl Assembly



Item #	Qty	Part #	Description
All	1	07258	FRONT COWLING ASSY
1	1	07255	HEAT EXCHANGER COWL
2	2	07509	HINGE BACKING PLATE2
3	2	07903	BACKING PLATE 28 x 16mm
4	2	09132	HINGE
5	2	09250	LATCH KEEPER PLATE
6	4	33801	SCREW CSK SKT M5 x 25mm
7	4	09096	NUT M5 Nylock
8	4	09870	RIVET – SEALED 5/32 x 19.05 SS

7.1.c Heat Exchanger Assembly Parts - Version 3



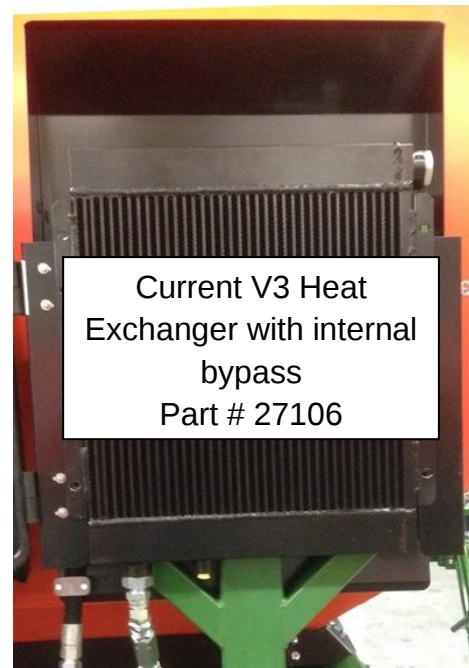
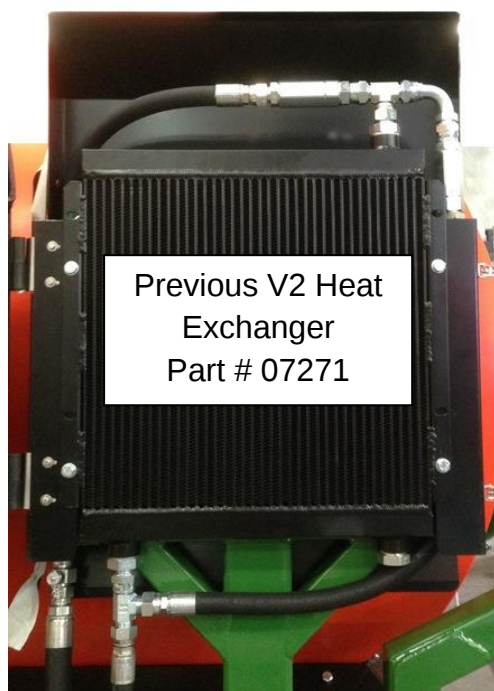
Item #	Qty	Part #	Description
All	1	14790	HEAT EXCHANGER COMPLETE 2000 & 3000LTR TANKS
	1	14787	HEAT EXCHANGER COMPLETE 4500LTR TANKS
1	1	27106	HEAT EXCHANGER WITH INTERNAL BYPASS 3 BAR
2	2	12805	BOLT M6 x 60mm
3	1	12809	COVER PLATE
4	1	14791	HEAT EXCHANGER FRAME 2000 & 3000LTR TANKS
	1	14788	HEAT EXCHANGER FRAME 4500LTR TANKS
5	1	15330	HYD HOSE CLAMP BODY - 30mm PAIR OF HALVES
6	1	07258	FRONT COWL ASSY c/w HINGE & KEEPERS
7	2	08259	BRACKET HING MOUNT
8	1	08262	HEAT EXCHANGER REAR PANEL
9	4	09058	RIVET 4mm x 5mm SS SEALED
10	2	09134	OVER CENTRE CATCH SS
11	2	09206	END CAP PLASTIC 50 x 50mm
12	4	09140	BOLT M10 x 70mm
13	8	09128	SCREW M10 x 20mm
14	8	09141	WASHER FLAT M10
15	12	09130	WASHER SPRING M10
16	4	09131	NUT M10
17	2	09195	WASHER SPRING M6
18	2	09166	NUT M6
19	4	09314	BOLT M5 x 20mm SS
20	4	09235	SCREW CSK M5 x 16mm SS
21	4	09310	WASHER FLAT M5 SS
22	4	09236	WASHER SPRING M5 SS

	CAUTION! Hydraulic Over Pressure or Air Burst Failures of Heat Exchanger Cores are not warranted by Ausplow as there is NO defective material or faulty component involved. These failures are the direct result of either tractor hydraulic setup / connections, or machine connection procedure.
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7.1.d Heat Exchanger Upgrades

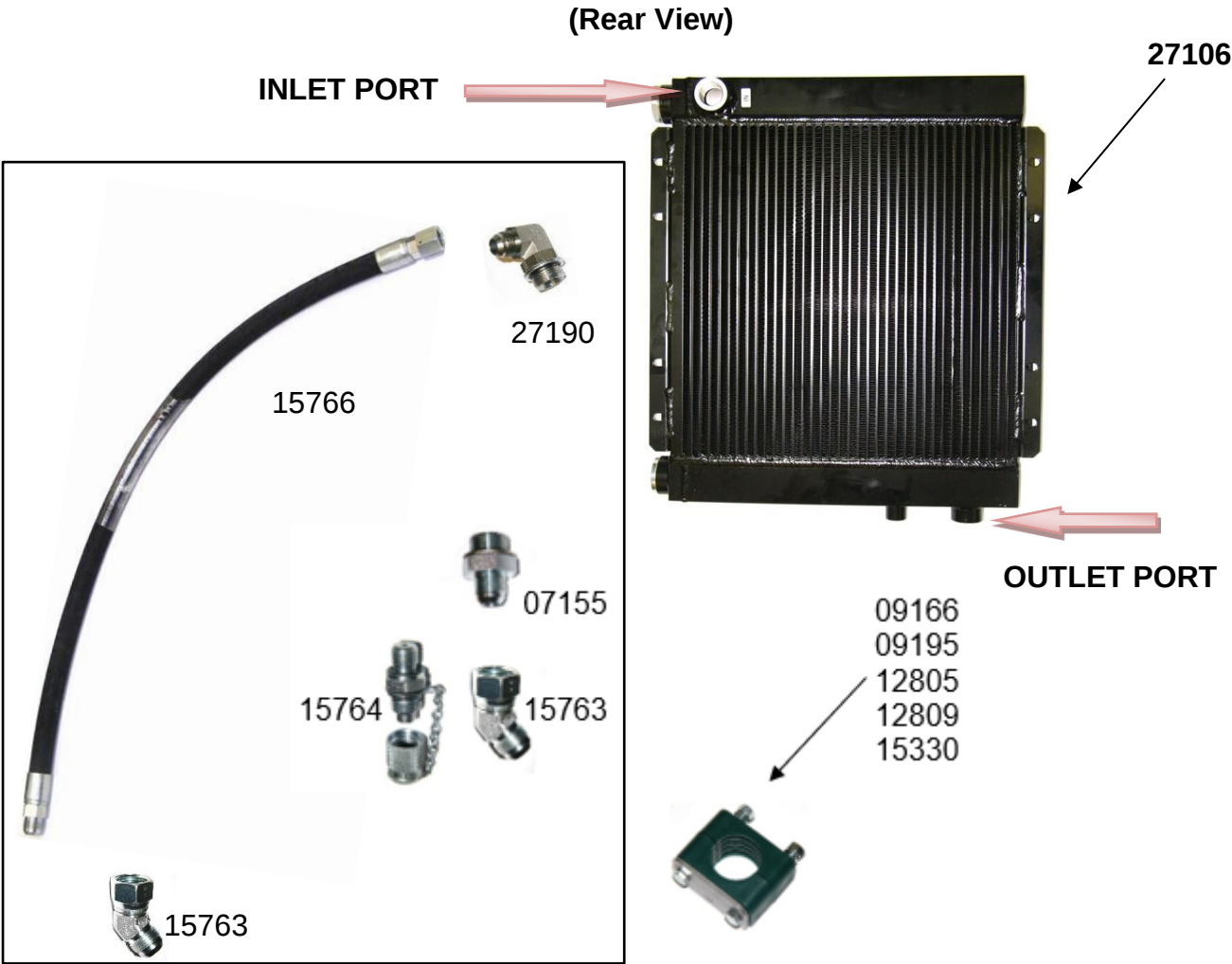
New heat exchangers with internal bypass systems were introduced in Nov 2014 for all new machine builds. These Version 3 heat exchangers have a different inlet and outlet port configuration which means the inlet hose now is fitted to the top rather than the bottom fitting.

As the older Version 2 exchangers are no longer available, the new V3 heat exchangers with internal bypass are to be fitted using Part # 15768 – Heat Exchanger Upgrade Kit.



The heat exchanger cowl, frame, and rear cover are compatible with the new heat exchanger style core element (#27106), but **the core is not directly interchangeable.**

Heat Exchanger Upgrade Kit #15768



09166	Nut M6 C8 ZP	x 2
09195	Washer Spring M6 ZP	x 2
12805	Bolt M6x60 ZP	x 2
12809	Hydraulic Hose Clamp Top Plate – Single	x 1
15330	Hydraulic Hose Clamp Body - Single -	x 1
15763	Elbow 45Deg 1 1/16JICM x1 1/16 JICFS	x 2
15764	Test Point Heat Exchanger	x 1
15766	Hydraulic Hose - Heat Exchanger Inlet	x 1
27106	Heat Exchanger Core IPB3 with Internal Bypass 3 Bar	x 1
27190	Elbow 90Deg 1"BSPPx1 1/16JICM	x 1

Items to be reused from original fit:

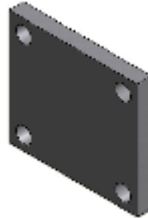
07155	Adaptor - 1 BSPPOM x 1 1/16 JICM	x 1
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15770 Internal Bypass Heat Exchanger Hydraulic Hose Kit –
Contains: 15763 x 2, 15764 x 1, 15766 x 1, 27190 x 1, 07155 x 1

Heat Exchanger Kits with Internal Bypass

From 2015 all heat exchange assemblies are supplied with the new type heat exchanger core with internal bypass.

Mounting Plate #01192



Suits all Ausplow Multistream machines and other manufactures

- 15767 Heat Exchanger Retro Fit Kit –
 c/w Hydraulic Hose Kit 15770 & Mounting Plate

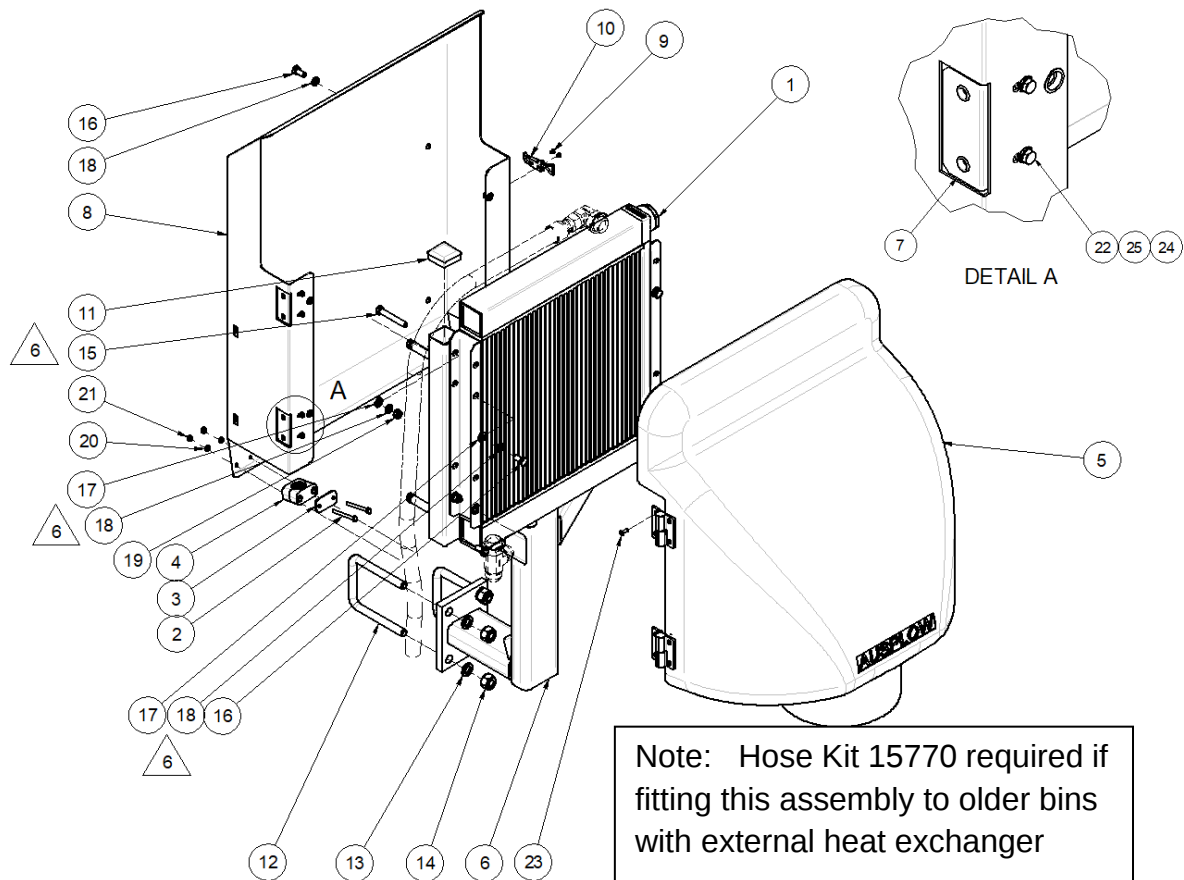
Suits Ausplow Multistream machines fitted with mounting plate

- 14787 Heat Exchanger Assembly Bolt On –
 Long Frame 4500L 2011> (requires Hose Kit 15770)
- 14790 Heat Exchanger Assembly Bolt On –
 Short Frame 2000L & 3000L 2011>
 (requires Hose Kit 15770)

Suits Ausplow Multistream machines without mounting plate

- 08599 Heat Exchanger Assembly U-Bolts –
 Long Frame 4500L (requires Hose Kit 15770)
- 07272 Heat Exchanger Assembly U-Bolts –
 Short Frame 2000L & 3000L (requires Hose Kit 15770)

7.1.e Heat Exchanger Assembly Parts - Version 2



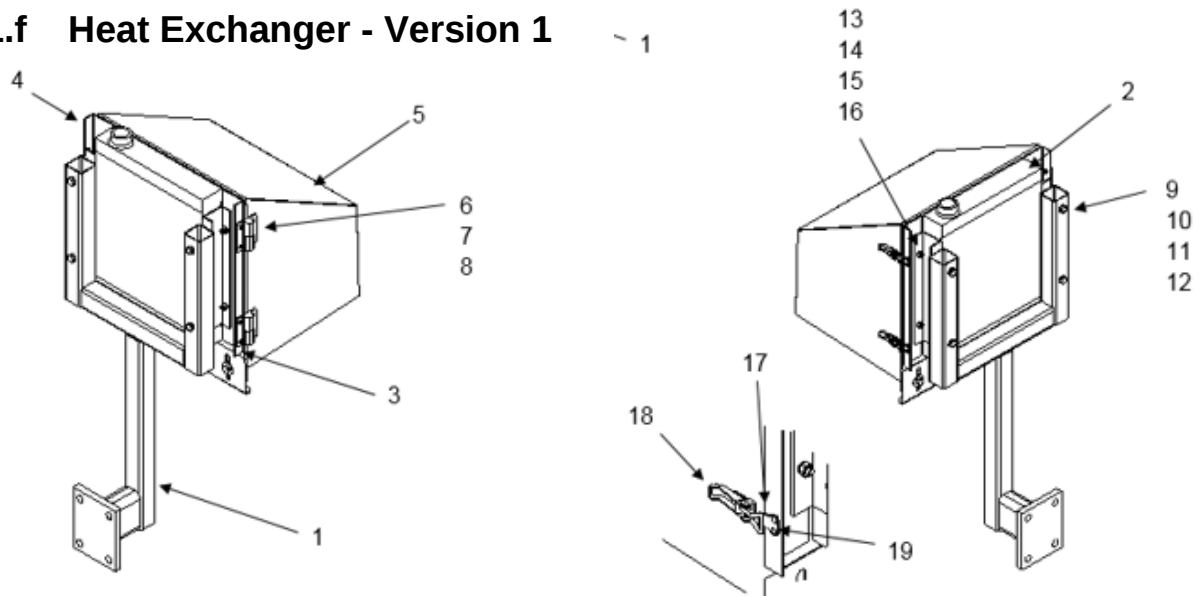
Item #	Qty	Part #	Description
All	1	07272	HEAT EXCHANGER ASSY 2000 & 3000LTR TANKS
		08599	HEAT EXCHANGER ASSY 3850 & 4500LTR TANKS
1	1	07271	NLA REPLACED BY 27106 (480Wx545Hmm)
		27106	HEAT EXCHANGER WITH INTERNAL BYPASS 3 BAR
2	2	12805	BOLT M6 x 60mm
3	1	12809	COVER PLATE
4	1	15330	HYD HOSE CLAMP BODY - 30mm PAIR OF HALVES
5	1	07258	FRONT COWL ASSY c/w HINGE & KEEPERS
6	1	07262	HEAT EXCHANGER FRAME 2000 & 3000LTR TANKS
		08600	HEAT EXCHANGER FRAME 3850 & 4500LTR TANKS
		14788	HEAT EXCHANGER FRAME BOLT ON RETRO KIT
7	2	08259	BRACKET HING MOUNT
8	1	08262	HEAT EXCHANGER REAR PANEL
9	4	09058	RIVET 4mm x 5mm SS SEALED
10	2	09134	OVER CENTRE CATCH SS
11	2	09206	END CAP PLASTIC 50 x 50mm
12	2	03125	U-BOLT M16 x 101 x 140mm
13	4	09048	WASHER SPRING M16
14	4	09047	NUT M16
15	4	09140	BOLT M10 x 70mm
16	8	09128	BOLT M10 x 20mm
17	8	09141	WASHER FLAT M10
18	12	09130	WASHER SPRING M10
19	4	09131	NUT M10
20	2	09195	WASHER SPRING M6

21	2	09166	NUT M6
22	4	09314	BOLT M5 x 20mm
23	4	09235	SCREW COUNTERSUNK M5 x 16mm
24	4	09310	WASHER FLAT M5
25	4	09236	WASHER SPRING M5



CAUTION! Hydraulic Over Pressure or Air Burst Failures of Heat Exchanger Cores are not warranted by Ausplow as there is NO defective material or faulty component involved. These failures are the direct result of either tractor hydraulic setup / connections, or machine connection procedure.

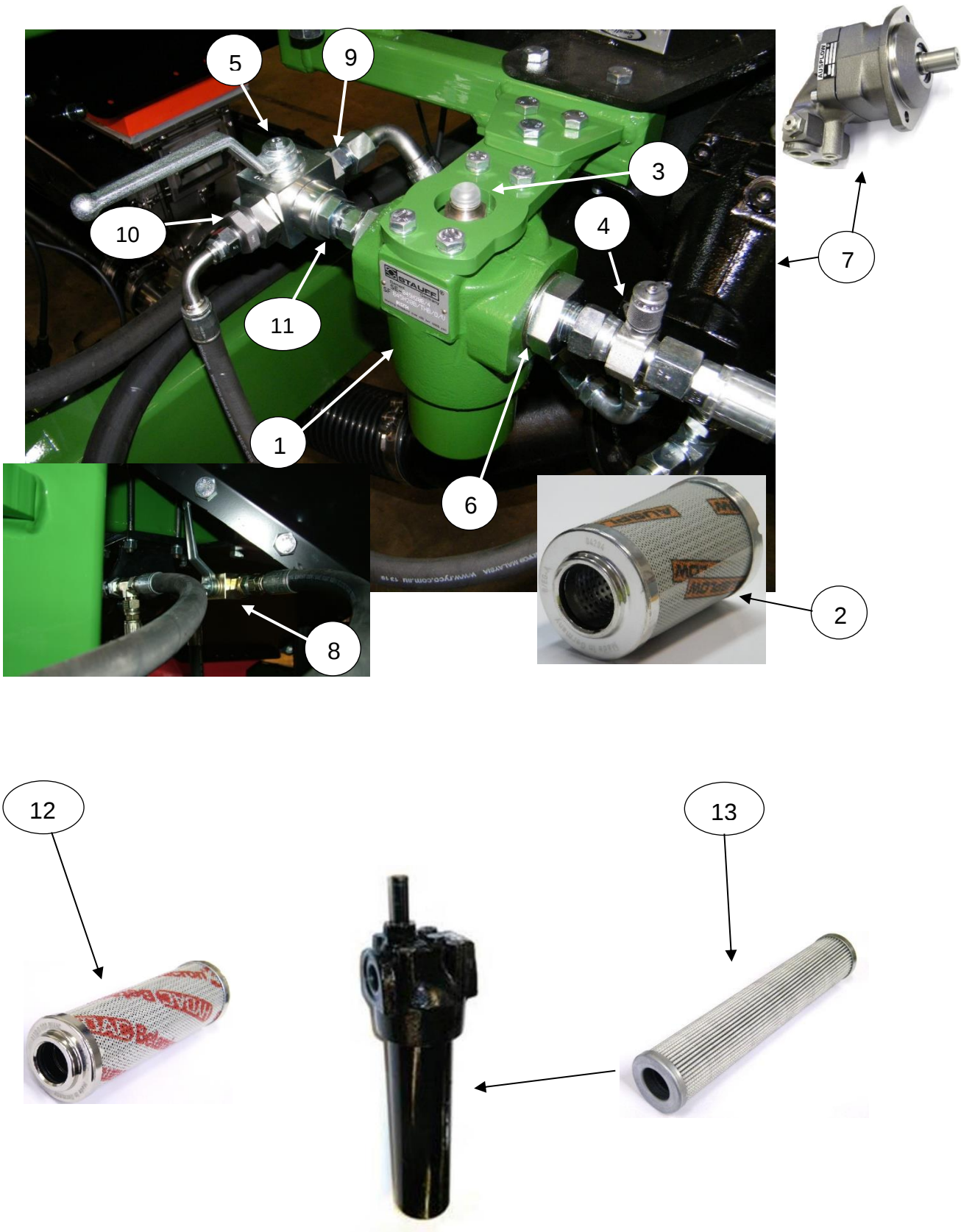
7.1.f Heat Exchanger - Version 1



Item #	Qty	Part #	Description
1	1	06555	HEAT EXCHANGER FRAME
2	1	07011	HEAT EXCHANGER CORE - Size 11 (330Wx400Hmm)
3	1	NLA	COWLING MOUNT PLATE
4	1	NLA	COWLING MOUNT PLATE
5	1	NLA	HEAT EXCHANGER COWLING
6	8	09233	SCREW C/SUNK M5 x 20mm SS HEX SCKT
7	12	09096	NUT M5 Nylock
8	2	09132	HINGE PAIR ASSY
9	4	09130	WASHER SPRING M10
10	4	09141	WASHER FLAT M10
11	4	09140	BOLT M10 x 70mm
12	4	09131	NUT M10
13	4	09127	BOLT M8 x 20mm
14	4	09066	WASHER SPRING M8
15	4	09017	WASHER FLAT M8
16	4	09125	NUT M8
17	2	09250	KEEPER PLATE
18	2	09134	OVER CENTRE FASTENER
19	8	09058	RIVET

Version 1 was used on M6000 and M9000 early bins. Heat Exchanger Assembly (07273) is obsolete and is replaced using one of the heat exchanger upgrade kits.

7.2 Fan & Filtration (Pressure)



Item #	Qty	Part #	Description
1	1	07564	HYDRAULIC FILTER ASSEMBLY 160 SERIES
2	1	04204	HYDRAULIC FILTER ELEMENT TO SUIT 07564
NS	1	11937	FILTER SEAL BLACK O-RING VITON
NS	1	11938	FILTER SEAL WHITE
3	1	04109	HYD FILTER SERVICE INDICATOR 160 SERIES
4	1	07142	ADAPTOR & TEST POINT 1 1/16" JICM/FS
5	1	07131	CALIBRATE / FAN BALL VALVE - 3 WAY
6	2	07323	ADAPTOR 1 1/4 BSPPOM x 1 1/16" JICM
7	1	09583	HYDRAULIC FAN MOTOR
8	1	01111	AUGER SAFETY VALVE - 2 WAY
9	1	15801	ADAPTOR 3/4 BSPP - 1 1/16 JICM
10	1	07153	ADAPTOR - 3/4 BSPPOM x 3/4 JICM
11	1	07149	ADAPTOR - 3/4 BSPPOM x 1 1/16 JICFS
12	1	04108	HYDRAULIC FILTER ELEMENT – SUIT 110 SERIES (47mmDiax153mmL)
13	1	04095	HYDRAULIC FILTER - SUIT OLDER MAHLE TYPE (47mmDiax248mmL)

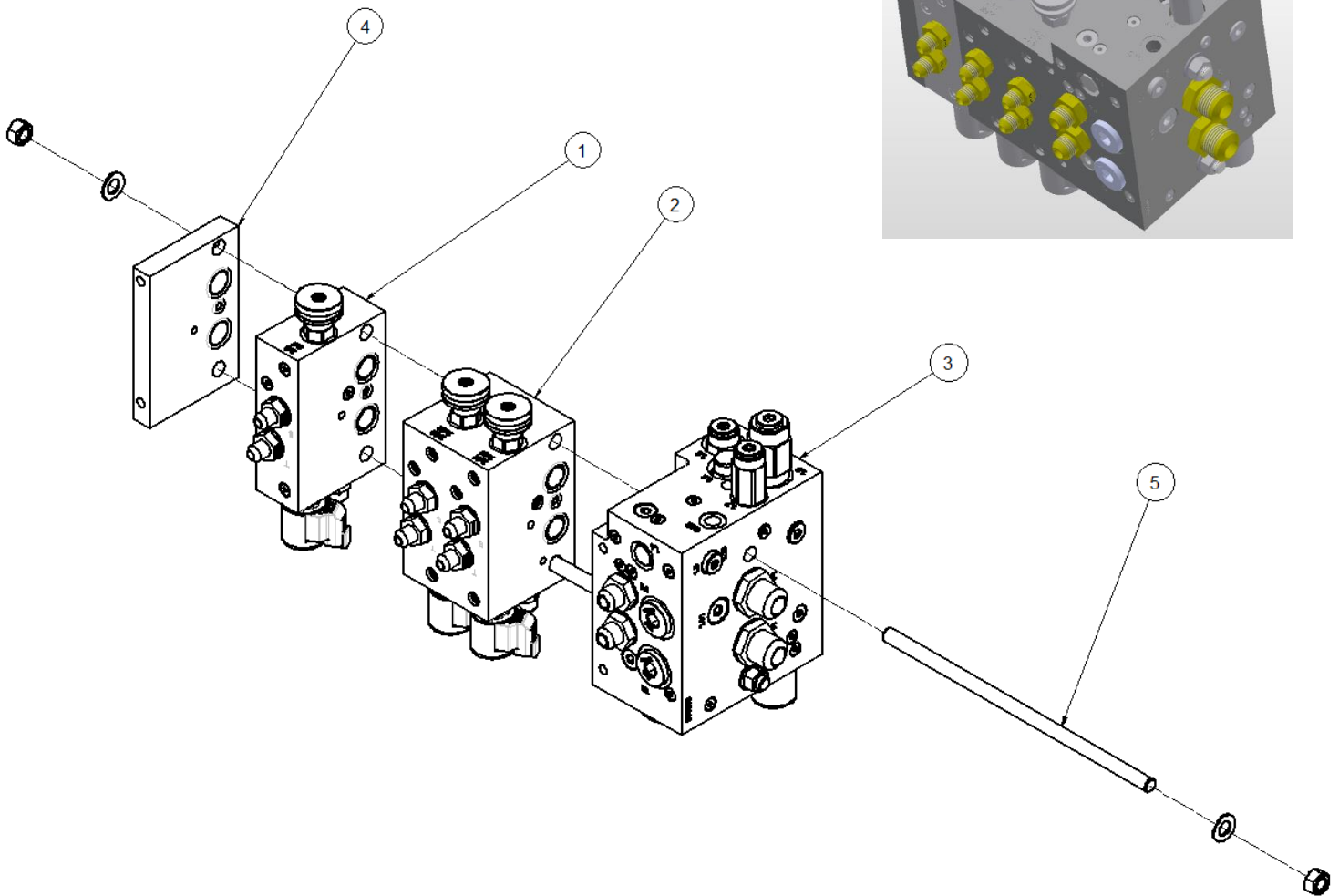
After repair or replacement, the Fan Motor Case must be filled with clean hydraulic oil prior to initial start. Initial start must be conducted at LOW HYDRAULIC FLOW RATES in order to gently purge air from system.

Damage to fan motors caused by failure to fill motor case with oil, or gently purging air from the hydraulic system **IS NOT WARRANTABLE**. Damage to the fan motor as a result of case drain hose connection issues are NOT WARRANTABLE.

7.3 Hydraulic Valve Blocks

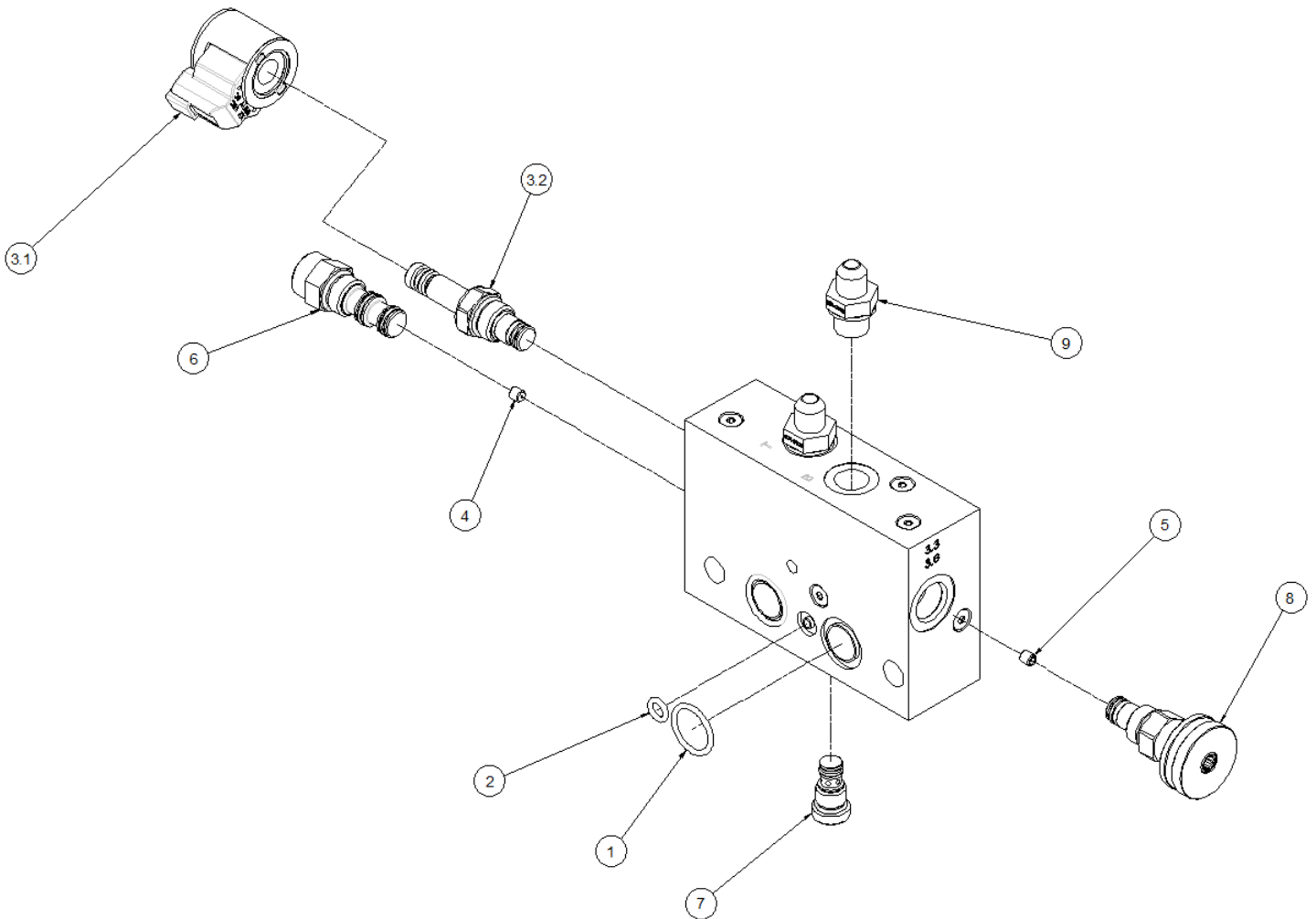
During 2016 Multistream Bins larger than M18000 were fitted with MCV 2 (II) type hydraulic valve blocks and by the end of the year all Bins were fitted with MCV II as standard.

7.3.a MCV II 3 Bank Valve Assembly



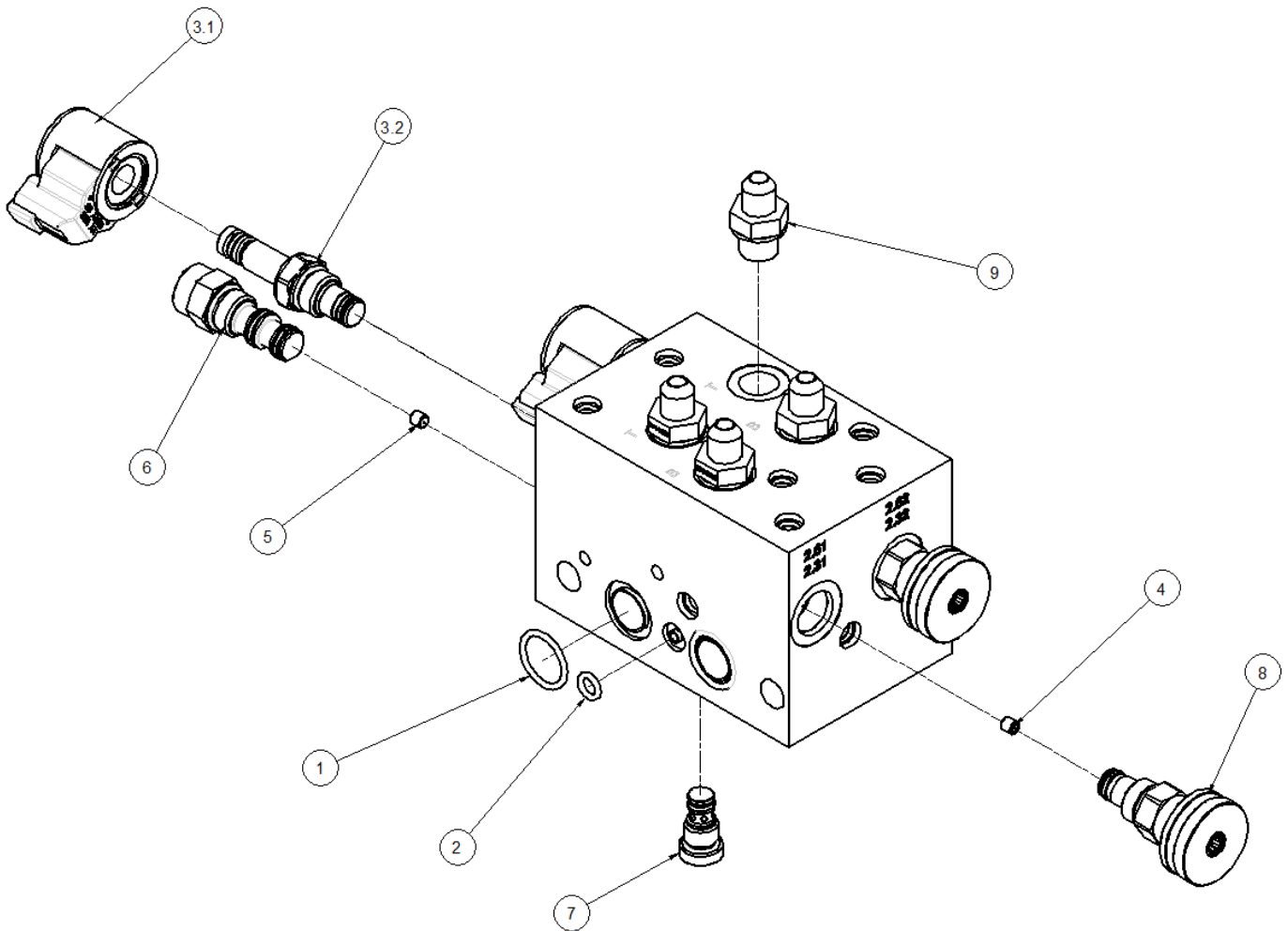
Item #	Qty	Part #	Description
All	1	15855	MCV II 3 BANK VALVE ASSY NO AUGER
1	1	15850	MCV II SINGLE METERING SECTION ASSY
2	1	15851	MCV II DUAL METERING SECTION ASSY
3	1	15852	MCV II INLET SECTION ASSY
4	1	15853	MCV II MANIFOLD END CAP ASSY
5	2	15863	MCV II TIE ROD KIT 3-BANK

7.3.b MCV II – Single Metering Section Assembly



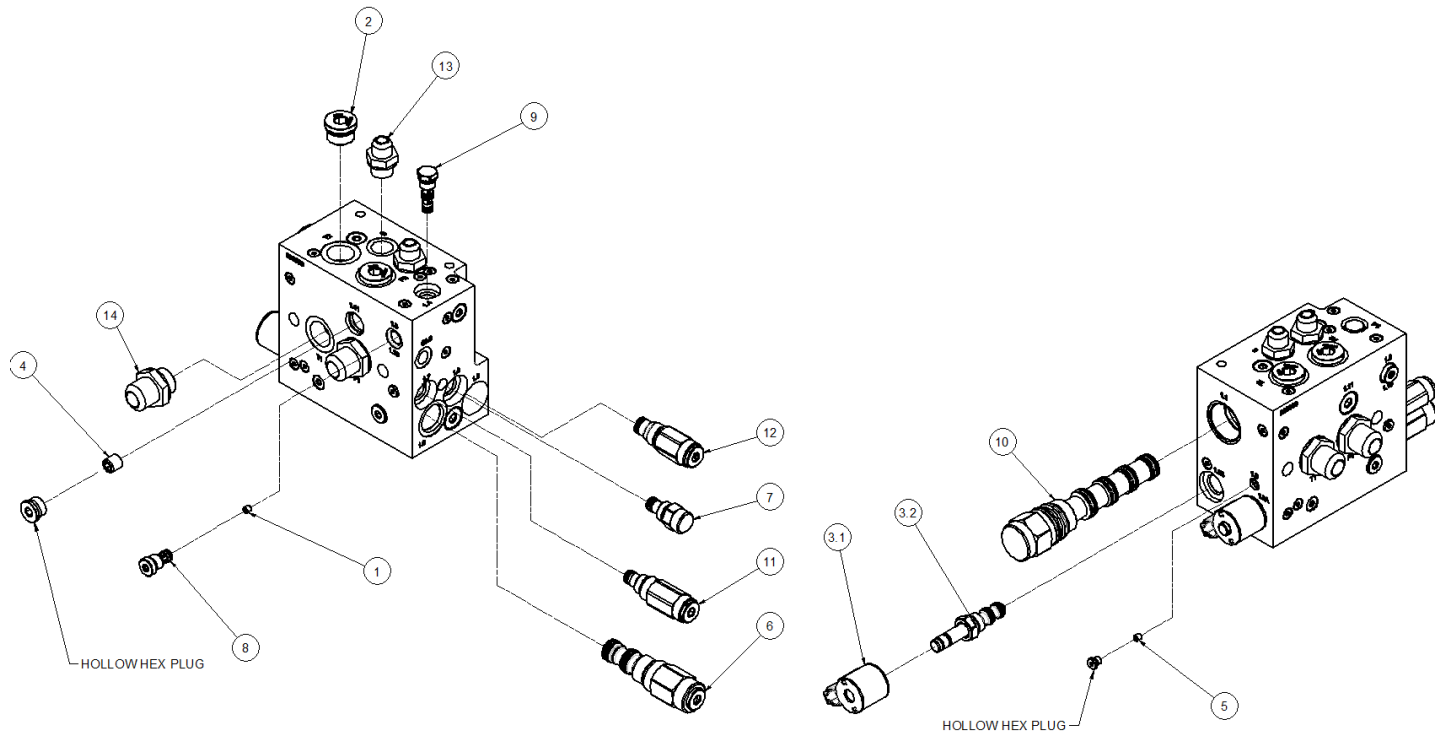
Item #	Qty	Part #	Description
All	1	15850	SINGLE METERING SECTION MCVII
1	2	28313	O-RING 0.862"ID x 0.103"
2	1	28314	O-RING 0.299" ID x 0.103"
3	1	29387	POPPET CARTRIDGE & COIL ASSY
3.1	1	15874	MCVII COIL 12V DC
3.2	1	15884	POPPET CARTRIDGE 22L/min
4	1	15871	ORIFICE 3.5mm Dia
5	1	15873	ORIFICE 0.6mm Dia
6	1	15875	PRESSURE COMPENSATOR MCVII
7	1	15878	CHECK VALVE MCVII
8	1	15880	NEEDLE VALVE
9	2	09443	NIPPLE 3/8 BSP POR 9/16 JIC M

7.3.c MCV II Dual Metering Section Assembly



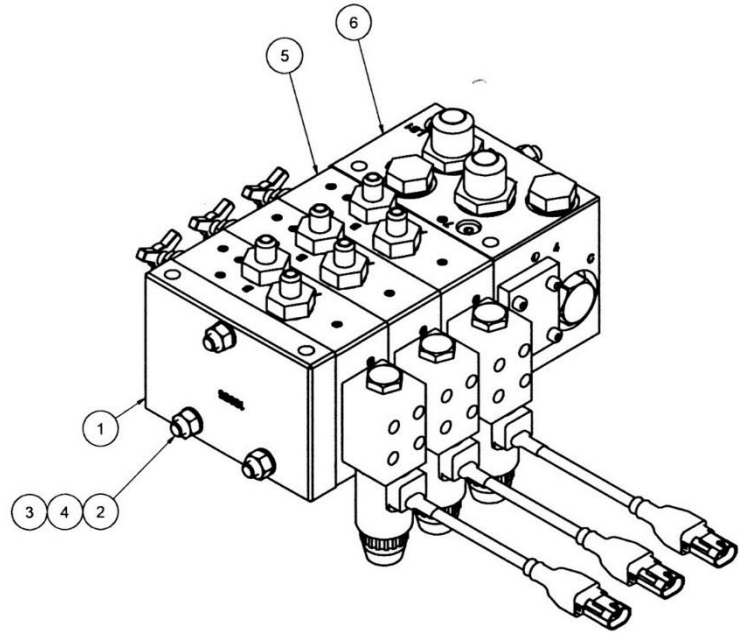
Item #	Qty	Part #	Description
All	1	15851	DUAL METERING SECTION MCVII
1	2	28313	O-RING 0.862"ID x 0.103"
2	1	28314	O-RING 0.299" ID x 0.103"
3	2	29387	POPPET CARTRIDGE & COIL ASSY
3.1	1	15874	MCVII COIL 12V DC
3.2	1	15884	POPPET CARTRIDGE 22L/min
4	2	15871	ORIFICE 3.5mm Dia
5	2	15873	ORIFICE 0.6mm Dia
6	2	15875	PRESSURE COMPENSATOR MCVII
7	2	15878	CHECK VALVE MCVII
8	2	15880	NEEDLE VALVE
9	4	09443	NIPPLE 3/8 BSPPOR 9/16 JICM

7.3.d MCV II Inlet Section Assembly



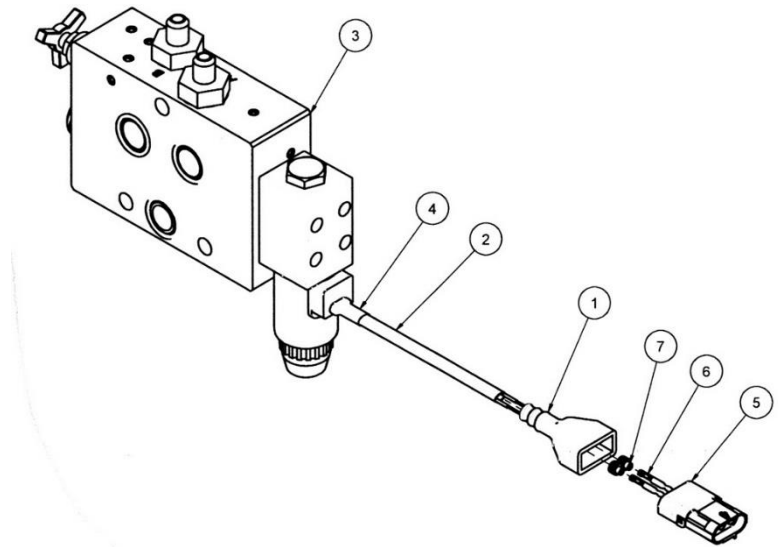
Item #	Qty	Part #	Description
All	1	15852	INLET SECTION ASSY MCVII
1	1	28262	ORIFICE 1/16" NPT x 0.8mm Dia
2	2	28374	PLUG ¾ UNO O-RING
3	2	29390	DIRECTIONAL VALVE CARTRIDGE&COIL ASSY
3.1	1	15874	MCVII COIL 12V DC
3.2	1	15885	DIRECTIONAL VALVE SPOOL
4	1	15870	ORIFICE 7.5mm Dia
5	1	15872	ORIFICE M6 x 0.8mm Dia
6	1	15876	PILOTED SPOOL
7	1	15877	PRESSURE COMPENSATED REGULATOR
8	1	15878	CHECK VALVE MCVII
9	1	15879	LOAD SHUTTLING CHECK VALVE
10	1	15881	4 WAY SPOOL VALVE
11	1	15882	PRESS RELIEF VALVE DIRECT ACTING
12	1	15883	PRESS RELIEF VALVE POPPET TYPE
13	2	05536	NIPPLE ½ BSPPOR ¾ JICM
14	2	07121	NIPPLE ¾ BSPPOR 1 1/16 JICM

7.3.e MCV - 3 Bin Assembly - No Auger (Pre 2016)



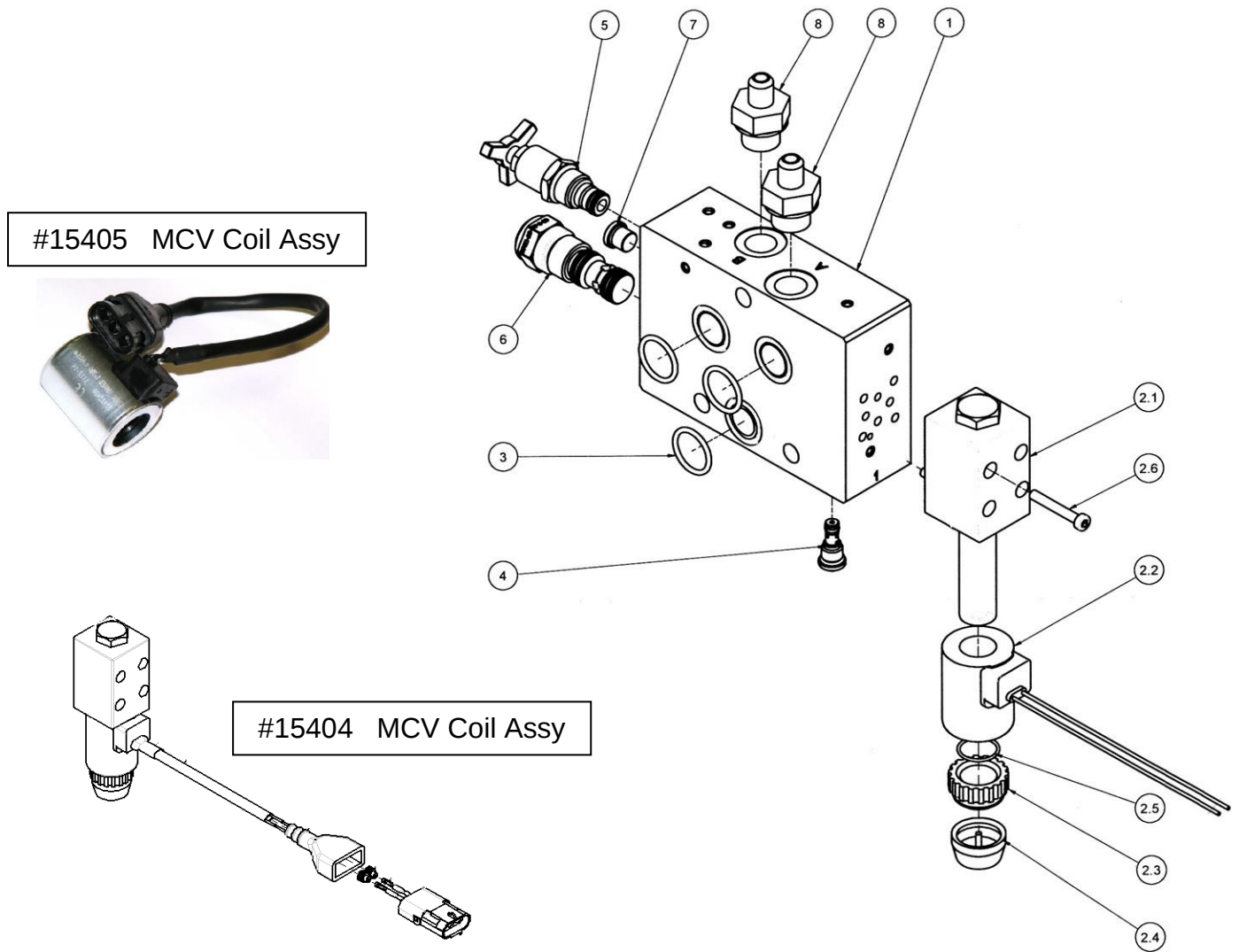
Item #	Qty	Part #	Description
All	1	15557	MCV 3 BIN ASSY NO AUGER
1	1	15355	MCV END CAP
2	3	15374	MCV THREADED ROD SS
3	6	09097	WASHER M10 SS - To suit Threaded Rod
4	6	09099	NUT M10 - To suit Threaded Rod
5	3	15480	MCV METERING SECTION ASSY INCL LEAD
6	1	15352	MCV INLET NO AUGER MANIFOLD ASSY

7.3.f MCV Metering Section with Lead



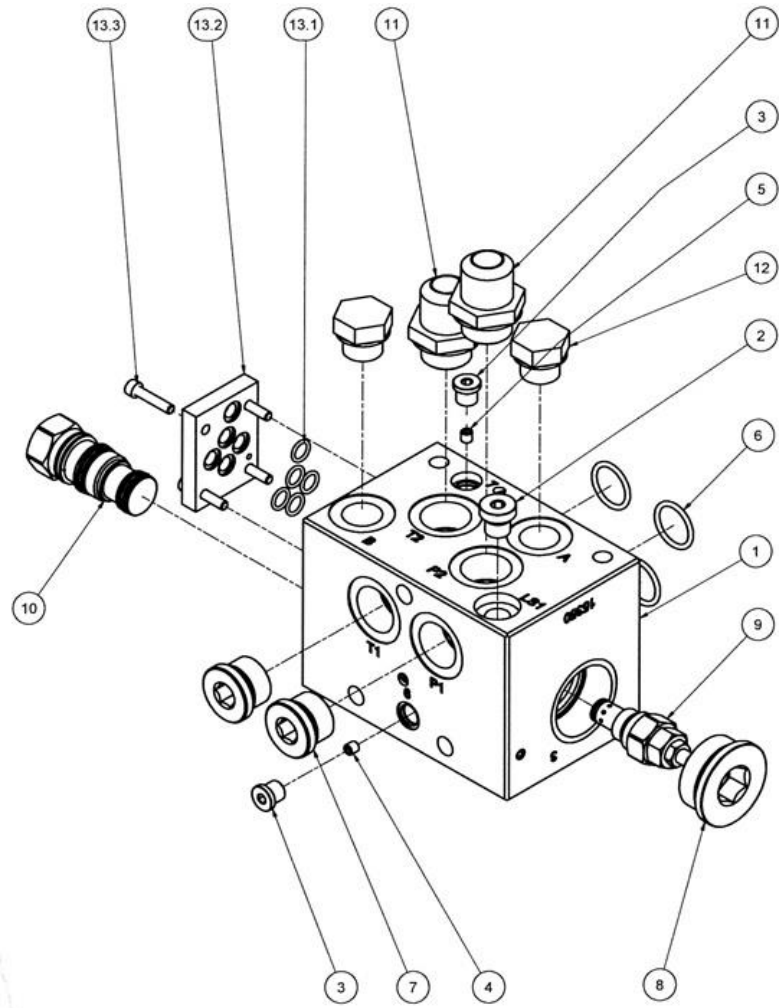
Item #	Qty	Part #	Description
All	1	15480	MCV METERING SECTION INCL LEAD
1	1	14413	RUBBER BOOT SUIT 3 PIN PACKARD CONNECTOR
2	1	15468	PVC TUBING 6 x 250mm LG
3	1	15478	MCV METERING SECTION
4	1	15479	HEAT SHRINK
5	1	09156	PACKARD PLUG FEMALE 3 CIRCUIT
6	2	09159	TERMINAL MALE PACKARD
7	2	09162	SEAL PACKARD RED

7.3.g MCV Metering Section Block Assembly



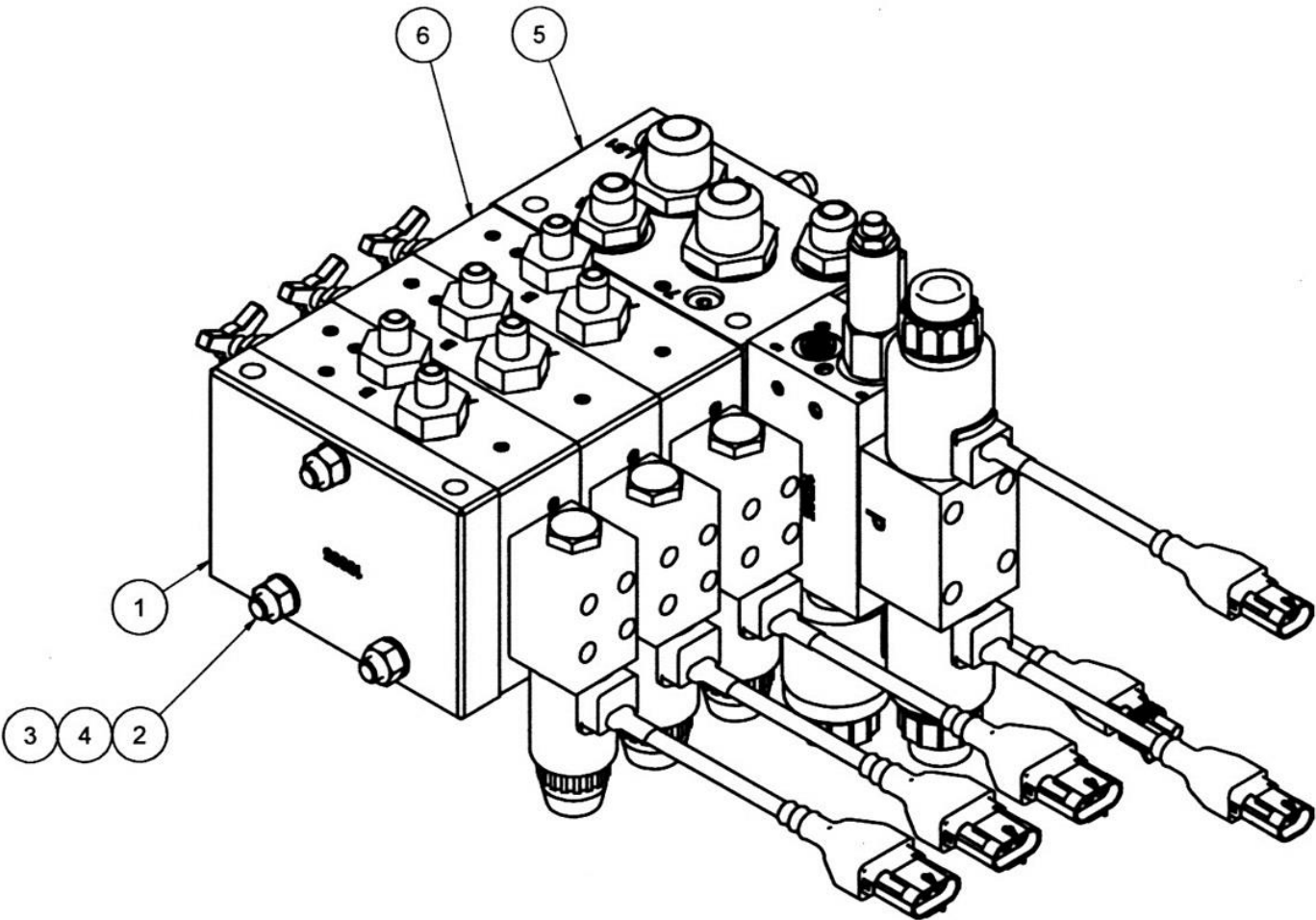
Item #	Qty	Part #	Description
All	1	15478	MCV METERING SECTION ASSY
1	1	15354	MCV METERING MANIFOLD ASSY
2.1 to 2.5	1	15404	METERING VALVE ASSY c/w lead and Plugs
2.1	1	NLA	PORPORTIONAL VALVE BODY ONLY (15413)
2.2	1	15405	MCV COIL ASSEMBLY
2.3 & 2.5	1	15414	VALVE COIL NUT c/w O-Ring
2.4	1	15415	VALVE COIL BOOT
2.6	4	09669	BOLT M5 x 35mm
3	3	15465	O-RING ID 22.23 x 2.62mm
4	1	15471	CHECK VALVE CARTRIDGE
5	1	15410	MCV NEEDLE VALVE
6	1	15408	MCV METERING COMPENSATOR
7	1	09666	PLUG SAE#4
8	2	07152	NIPPLE ½ BSPPM x 9/16" JICM

7.3.h MCV Inlet Block Assembly - no Auger



Item #	Qty	Part #	Description
All	1	15352	MCV INLET MANIFOLD ASSY NO AUGER
1	1	15351	MCV INLET/AUGER MANIFOLD ASSY
2	1	09663	PLUG ¼" BSP
3	2	09666	PLUG SAE#4
4	1	25730	ORIFICE M6-0.81
5	1	25731	ORIFICE M6-0.41
6	3	15465	O-RING ID 22.23 x 2.62mm
7	2	09667	PLUG ¾" BSP
8	1	09668	PLUG SAE#20
9	1	15466	RELIEF VALVE
10	1	15467	COMPENSATOR
11	2	07121	NIPPLE ¾ BSP x 1 1/16" JICM
12	2	07150	PLUG ½" BSP
13	1	15477	MCV AUGER BLANKING PLATE KIT
13.1	5	15473	O-RING
13.2	1	15476	BLANKING PLATE
13.3	4	09699	BOLT M5 x 25mm

7.3.i MCV 3 Bin Assembly - with Auger

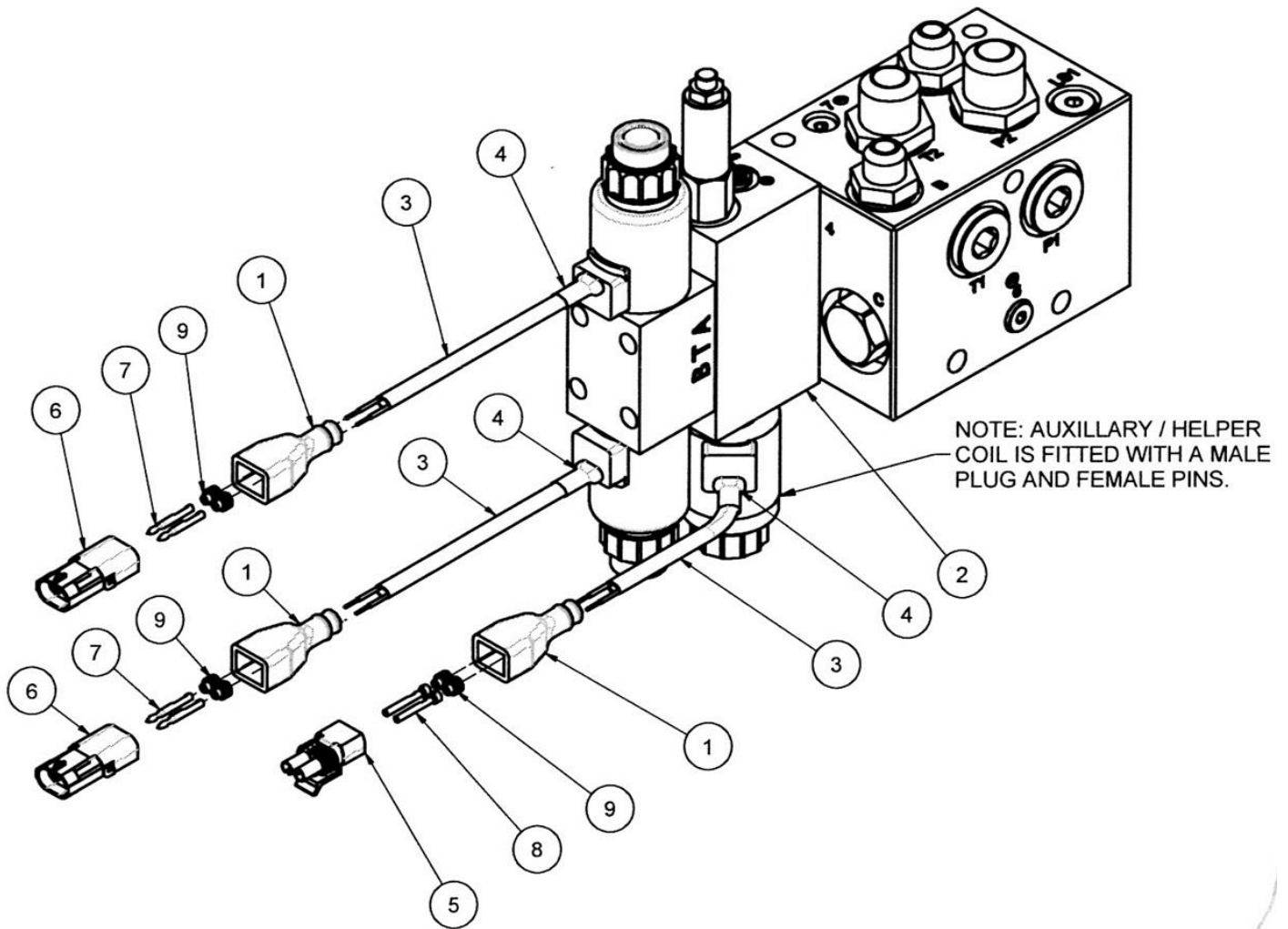


Item #	Qty	Part #	Description
All	1	15542	MCV 3 BIN ASSY ELECTRONIC AUGER
1	1	15355	MCV END CAP
2	3	15374	MCV THREADED ROD SS
3	6	09097	WASHER M10 SS - To suit Threaded Rod
4	6	09099	NUT M10 - To suit Threaded Rod
5	1	15540	MCV INLET SECTION ELECTRONIC AUGER INCL LEADS
6	3	15480	MCV METERING SECTION ASSY INCL LEAD

#25725 Auger Adapter Lead MCV

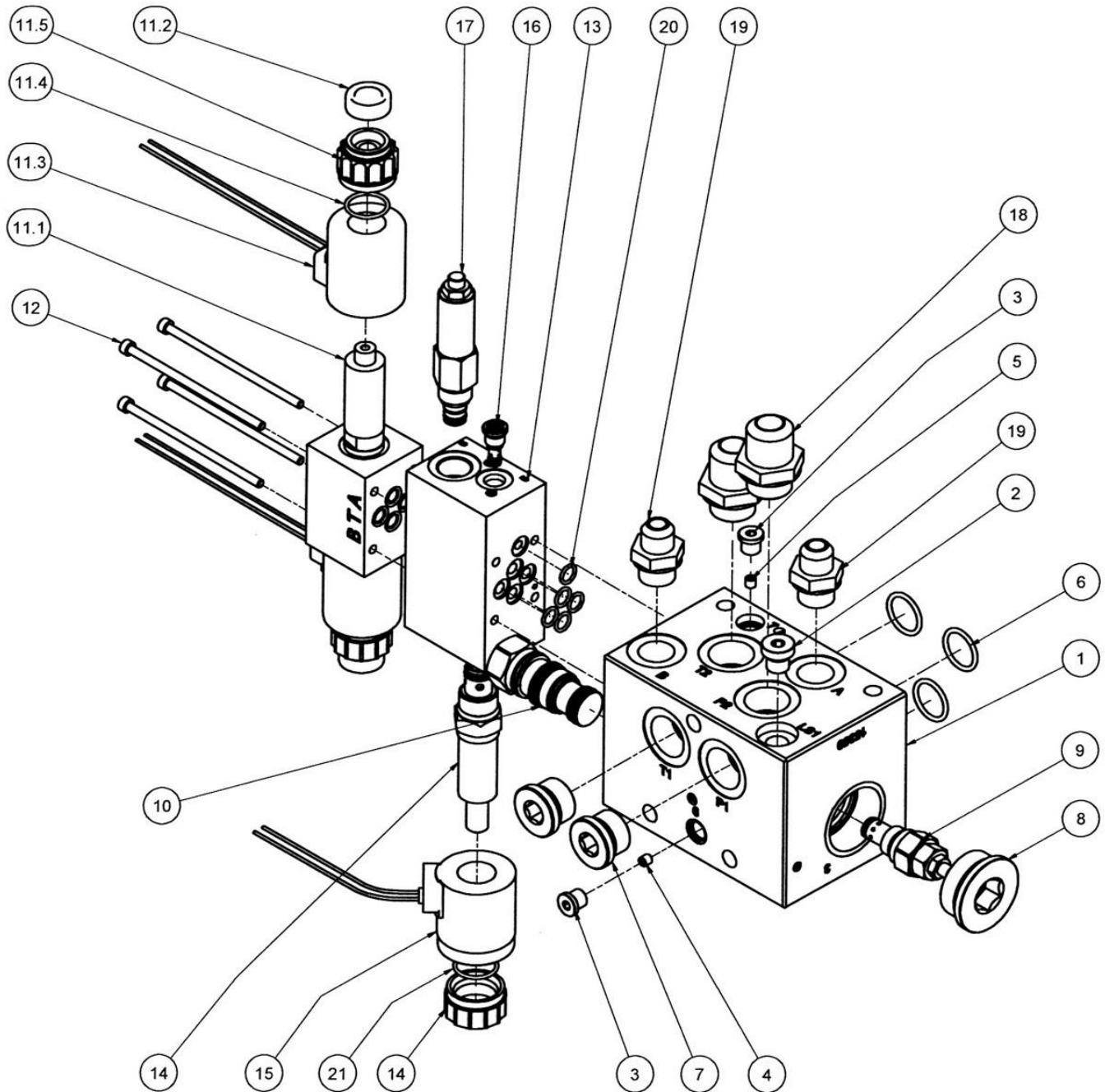


7.3.j MCV Auger Metering Block with Leads



Item #	Qty	Part #	Description
All	1	15540	MCV INLET SECTION ELEC AUGER ASSEMBLY INCL LEADS
1	3	14412	RUBBER BOOT SUIT 2 PIN PACKARD CONNECTOR
2	1	15455	MCV INLET/AUGER SECTION
3	3	15468	PVC TUBING 6 x 250mm LG
4	3	15479	HEAT SHRINK
5	1	09157	PACKARD PLUG FEMALE
6	2	09158	PACKARD PLUG MALE
7	4	09159	TERMINAL MALE PACKARD
8	2	09160	TERMINAL FEMALE PACKARD
9	6	09162	SEAL PACKARD RED

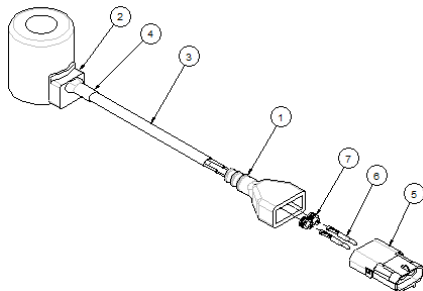
7.3.k MCV Inlet Block Assembly - with Auger



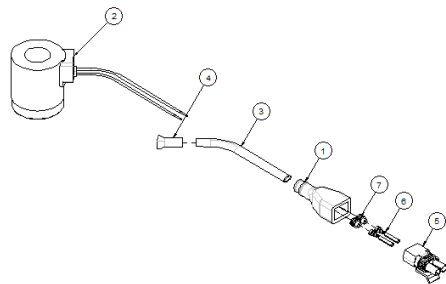
MCV Inlet Block Assembly - with Auger

Item #	Qty	Part #	Description
All	1	15455	MCV INLET/AUGER SECTION
1	1	15351	MCV INLET/AUGER MANIFOLD ASSEMBLY
2	1	09663	PLUG ¼" BSP
3	2	09666	PLUG SAE#4
4	1	25730	ORIFICE M6-0.81
5	1	25731	ORIFICE M6-0.41
6	3	15465	O-RING ID 22.23 x 2.62mm
7	2	09667	PLUG ¾" BSP
8	1	09668	PLUG SAE#20
9	1	15466	RELIEF VALVE
10	1	15467	COMPENSATOR
11	1	15393	MCV AUGER DIRECTIONAL VALVE c/w Plugs
11.1	1		DIRECTIONAL VALVE BODY ONLY
11.2,11.4,11.5	2	15458	DIRECTIONAL VALVE COIL BOOT c/w O RING & NUT
11.3	2	15394	MCV AUGER TOP COIL ASSY
12	4	09670	BOLT M5 x 110mm
13	1	15469	MCV AUXILLARY VALVE 60L
14	1	15470	NC POPPET SOLENOID VALVE
15	1	15399	MCV AUGER LOWER COIL ASSY c/w LEAD & PLUG
16	1	15471	CHECK VALVE CARTRIDGE
17	1	15472	AUGER RELIEF VALVE
18	2	07121	NIPPLE ¾ BSP x 1 1/16" JICM
19	2	05536	NIPPLE ½ BSP x ¾" JICM
20	5	15473	O-RING ID 9.53 x 1.78mm
21	NLA	15460	O-RING ID 22 x 2mm

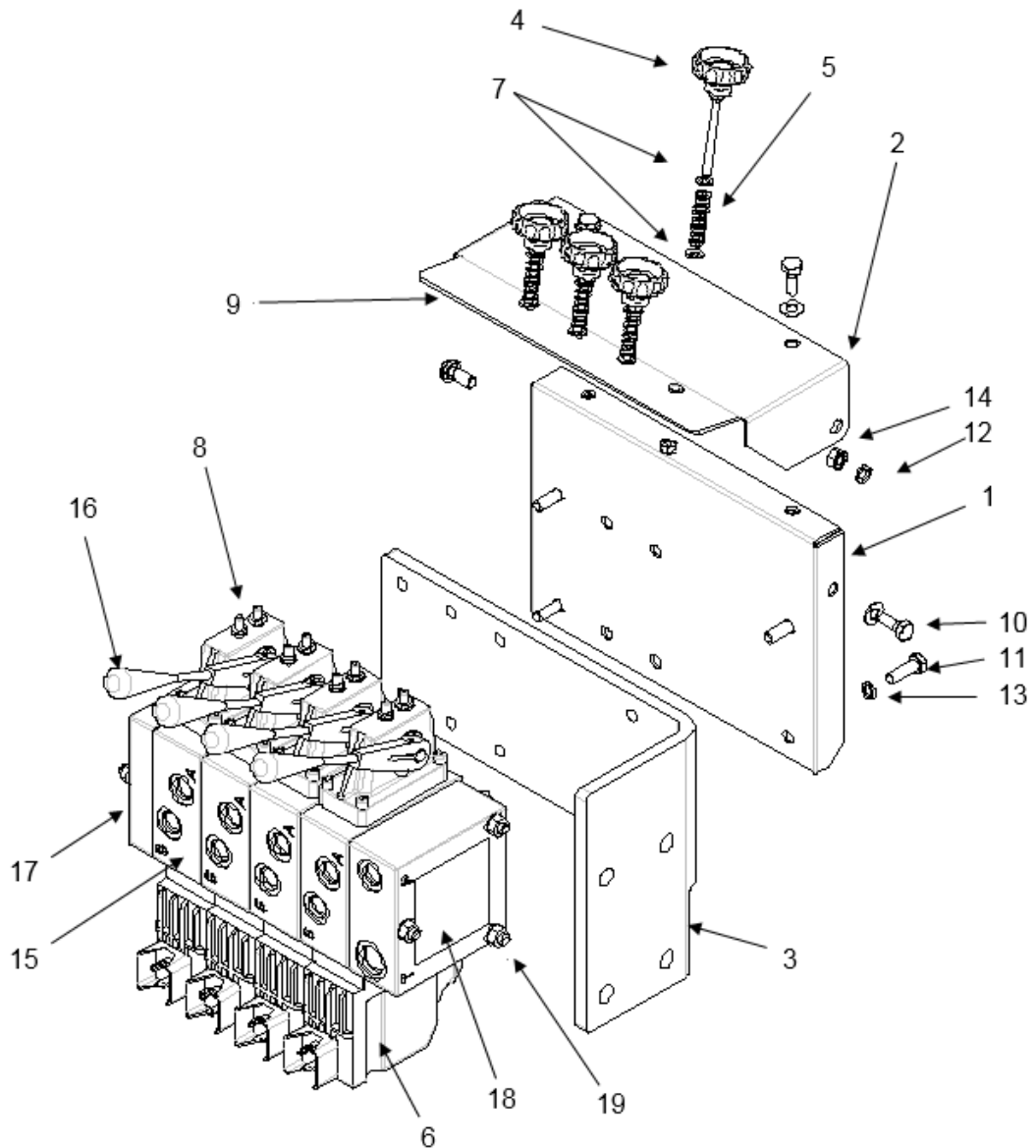
#15394 MCV Auger Coil Assy



#15399 MCV Auger Lower Coil Assy



7.3.I PVG 32 H Series Coil - Manual Auger



Monitor Loom Voltage Shifter – Topcon
Part # 04833

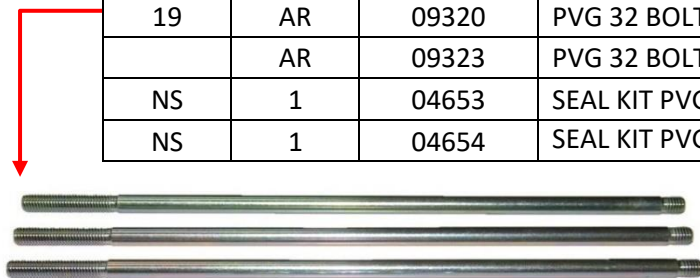
Monitor Loom Voltage Shifter –
Farmscan Part # 04122



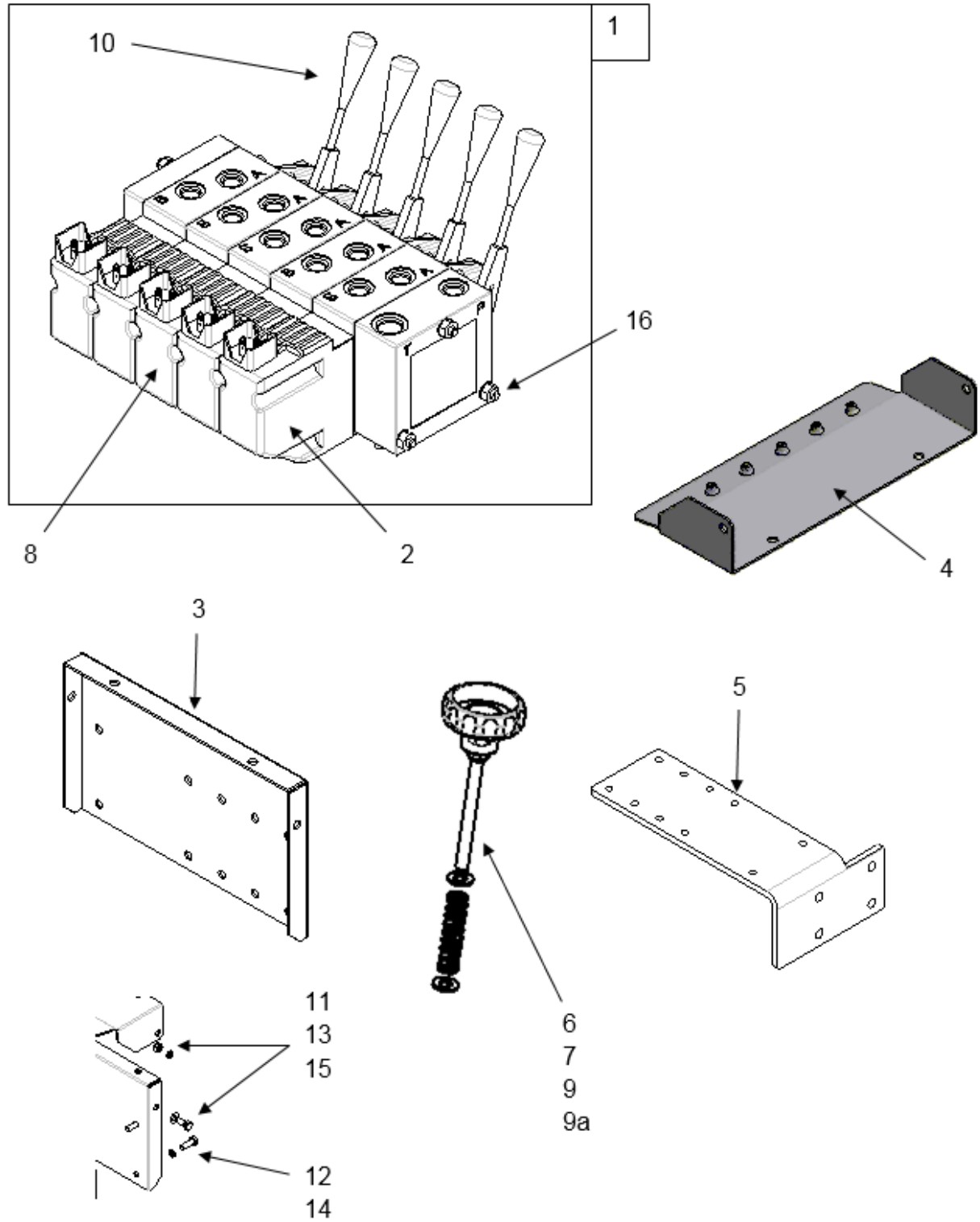
Monitor Loom Voltage Shifter – Deutsch
Plug Part # 34278

PVG 32 H Series Coil - Manual Auger

Item #	Qty	Part #	Description
All	AR	09405	PVG32-2E
	AR	09240	PVG32-3E
	AR	09246	PVG32-4E
1	1	07238	VALVE DANFOSS BACK PLATE
2	1	07557	TOP COVER ASSY
3	1	07726	DANFOSS VALVE BACKING BRACKET
NS	4	09228	SETSCREW M12 x 25mm (mounting bolt for 07726)
NS	4	09010	WASHER SPRING M12
4	AR	07562	HYDRAULIC MANUAL OVERRIDE SCREW
5	AR	07725	SPRING VALVE ADJUSTER
6	AR	04656	PVG 32 - H COIL
7	AR	09331	WASHER FLAT M6 SS
8	AR	09319	PVG 32 MECHANICAL ACTUATOR ASSY
NS	AR	09321	PVG 32 PVBS SPOOL 10L (STD)
NS	AR	09560	PVG 32 Spool - 10L
NS	AR	09322	PVG 32 PVBS SPOOL 25L (SPECIAL APPS ONLY)
NS	AR	09556	PVG 32 PVBS SPOOL 40L (SPECIAL APPS ONLY)
9	AR	09194	NUT M6 Nylock SS
10	AR	09128	SETSCREW M10 x 20mm
11	AR	09254	SETSCREW M8 x 25mm
12	AR	09130	WASHER SPRING M10
13	AR	09066	WASHER SPRING M8
14	AR	09131	NUT M10
15	AR	09559	PVG 32 VALVE SECTION BODY w/o SHOCK Vv
	NLA	09241	PVG 32 VALVE SECTION BODY incl SHOCK Vv
16	AR	09244	PVG 32 HANDLE
17	1	09245	PVG 32 END PLATE
18	1	12067	PUMP SIDE MODULE
19	AR	09320	PVG 32 BOLT & SEAL SET 3 BANK
	AR	09323	PVG 32 BOLT & SEAL SET 4 BANK
NS	1	04653	SEAL KIT PVG32 - HANDLE HOUSING
NS	1	04654	SEAL KIT PVG32 - SOLENOID



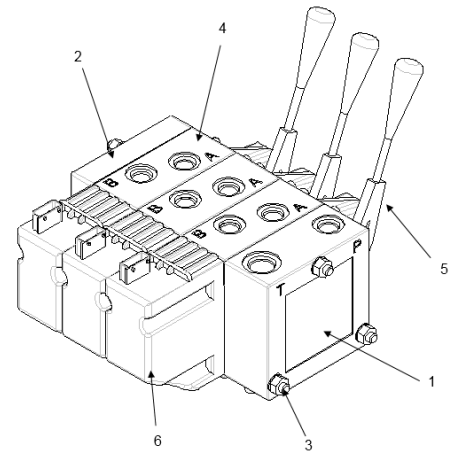
7.3.m PVG 32 H Series Coil - Electronic Auger



PVG 32 H Series Coil - Electronic Auger
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Item #	Qty	Part #	Description
1	1	09519	PVG 32 - 5EA SUIT ELECTRONIC AUGER
2	1	04656	PVG 32 SOLENOID COIL 12V AUGER
3	1	12227	VALVE DANFOSS BACK PLATE
4	1	12228	TOP COVER ASSY
5	1	12229	DANFOSS VALVE BACKING BRACKET
6	5	07562	HYDRAULIC MANUAL OVERRIDE SCREW (ASSY-14194)
7	5	07725	SPRING VALVE ADJUSTER
8	4	04656	PVG 32 - H COIL
9	10	09331	WASHER FLAT M6 SS
10	5	09319	PVG 32 PVM HANDLE ASSY
NS	4	09321	PVG 32 PVBS SPOOL 10L (STD)
NS	BSN	09322	PVG 32 PVBS SPOOL 25L (SPECIAL APPS ONLY)
NS	1	09556	PVG 32 PVBS SPOOL 40L (SPECIAL APPS ONLY)
9a NS	5	09194	NUT M6 Nylock SS
11	4	09128	SETSCREW M10 x 20mm
12	4	09254	SETSCREW M8 x 25mm
13	4	09130	WASHER SPRING M10
14	4	09066	WASHER SPRING M8
15	4	09131	NUT M10
NS	4	09228	SETSCREW M12 x 25mm (mounting bolt for 07726)
NS	4	09010	WASHER SPRING M12
16	1	14380	BOLT & SEAL SET 5 BANK

7.3.n PVG with A Series Coil - NLA



Item #	Qty	Part #	Description
1	1	12067	PVG 32 SIDE MODULE
2	1	09245	PVG 32 PVS END PLATE
3	1	09320	PVG 32 PVAS BOLT AND SEAL SET 3 BANK
		09323	PVG 32 PVAS BOLT AND SEAL SET 4 BANK
4	AR	09241	PVG 32 PVB VALVE BODY
5	AR	09319	PVG 32 PVM HANDLE ASSY
NS	AR	09321	PVG 32 PVBS SPOOL 10L
6	AR	NLA	PVG 32 PVEA COIL

7.3.o PVG Early Series Coil



1



2



3

Item #	Qty	Part #	Description
1	1	04025	PORPORTIONAL FLOW CONTROL CARTRIDGE
2	1	04026	PORPORTIONAL FLOW CONTROL SOLENOID – 12V
3	1	04833	VOLTAGE SHIFTER HYD VALVE SECTION - Topcon
		34278	VOLTAGE SHIFTER HYD VALVE SECTION with Deutsch Plug

7.3.p Motorised Flow Control Coil

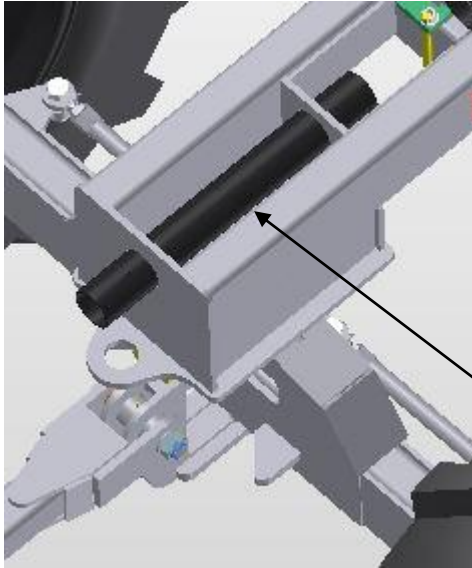


#04017 Motorised Flow Control Coil

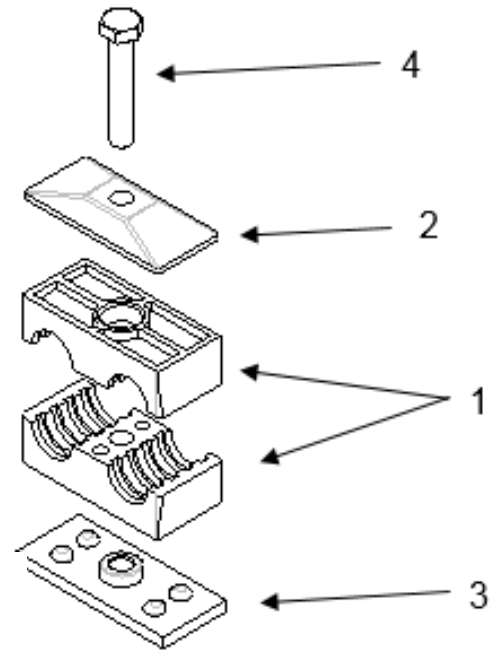


7.4 Hydraulic Hose Clamps

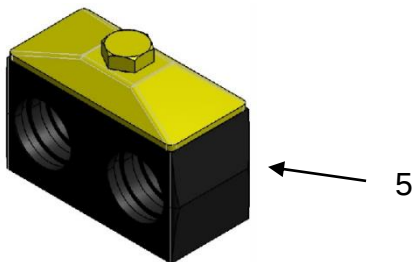
7.4.a Hydraulic Hose Clamp - Single Layer



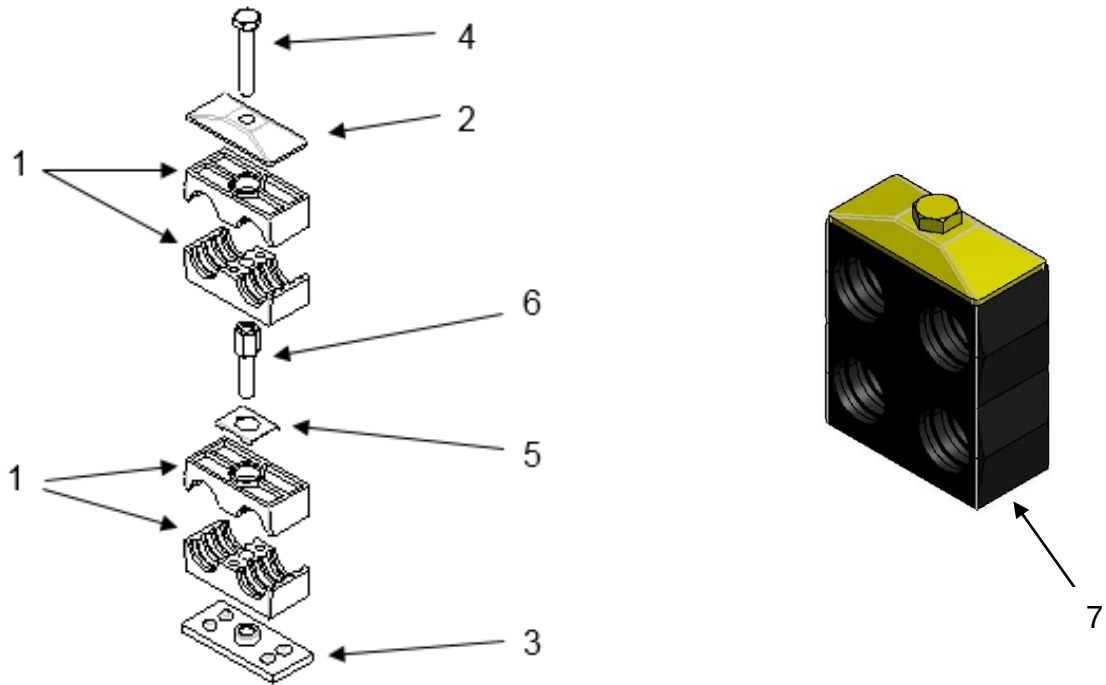
Hose Python # 08576
90mm
For TBH Hyd Hose
Support



Item #	Qty	Part #	Description
All	AR	12453	HYDRAULIC HOSE MOUNT CLAMP ASSY $\frac{3}{8}$ x 2"
	AR	08692	HYDRAULIC HOSE MOUNT CLAMP ASSY $\frac{1}{2}$ x 2"
	AR	11667	HYDRAULIC HOSE MOUNT CLAMP ASSY $\frac{3}{4}$ x 2"
1	2	15324	HOSE CLAMP BODY PAIR $\frac{3}{8}$ " ID HOSE (19mmOD)
		12196	HOSE CLAMP BODY PAIR $\frac{1}{2}$ " ID HOSE (22mmOD)
		15320	HOSE CLAMP BODY PAIR $\frac{3}{4}$ " ID HOSE (30mmOD)
2	1	11262	TOP PLATE $\frac{3}{8}$ & $\frac{1}{2}$ "
		11668	TOP PLATE $\frac{3}{4}$ "
3	1	11263	HYDRAULIC CLAMP BASE PLATE $\frac{3}{8}$ & $\frac{1}{2}$ "
		11669	HYDRAULIC CLAMP BASE PLATE $\frac{3}{4}$ "
4	1	11264	HEX HEAD BOLT M8 x 45mm
5	1	14654	HOSE MOUNT CLAMP ASSY 2 x 1/2"



7.4.b Hydraulic Hose Clamp - Multi Layer



Item #	Qty	Part #	Description
1	2	15324	HOSE CLAMP BODY PAIR $\frac{3}{8}$ " ID HOSE (19mmOD)
		12196	HOSE CLAMP BODY PAIR $\frac{1}{2}$ " ID HOSE (22mmOD)
		15320	HOSE CLAMP BODY PAIR $\frac{3}{4}$ " ID HOSE (30mmOD)
2	1	11262	TOP PLATE $\frac{3}{8}$ " & $\frac{1}{2}$ "
		11668	TOP PLATE $\frac{3}{4}$ "
3	1	11263	HYDRAULIC CLAMP BASE PLATE $\frac{3}{8}$ " & $\frac{1}{2}$ "
		11669	HYDRAULIC CLAMP BASE PLATE $\frac{3}{4}$ "
4	1	11264	HEX HEAD BOLT M8 x 45mm
5	AR	11576	SAFETY LOCKING PLATE
6	AR	11567	STACKING BOLT
7	1	14653	HOSE MOUNT CLAMP ASSY 4 x 1/2"

$\frac{3}{8}$ " and $\frac{1}{2}$ " hoses may be stacked up to 3 layers in height, $\frac{3}{4}$ " hoses are not to exceed 2 layers in height.

7.5 Hydraulic Fittings and Hoses

7.5.a Hydraulic Inlet

Supplied as standard

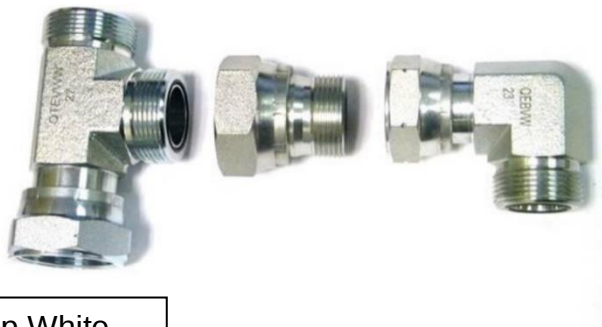
- 09593 Cap – 1 7/16 ORFS F
- 09591 Tee - 1 7/16 ORFS M/FS/M
- 09592 Plug – 1 7/16 ORFS M



Large Tractors

Larger tractors require a bigger hydraulic Tee fitting (1-11/16 of an inch) for Multistream's main inlet port.

- 06817 Cap Hydraulic 1-11/16 ORFS
- 06818 Plug Hydraulic 1-11/16 ORFS
- 09762 Large Return Hose Kit Tee Elbow and Reducer
 - Contains:
 - 09741 Tee O-Ring Face M-F-M Size 27
 - 09742 Reducer O-Ring Face M23 F27
 - 09743 Elbow O-Ring Face M-F Size 23



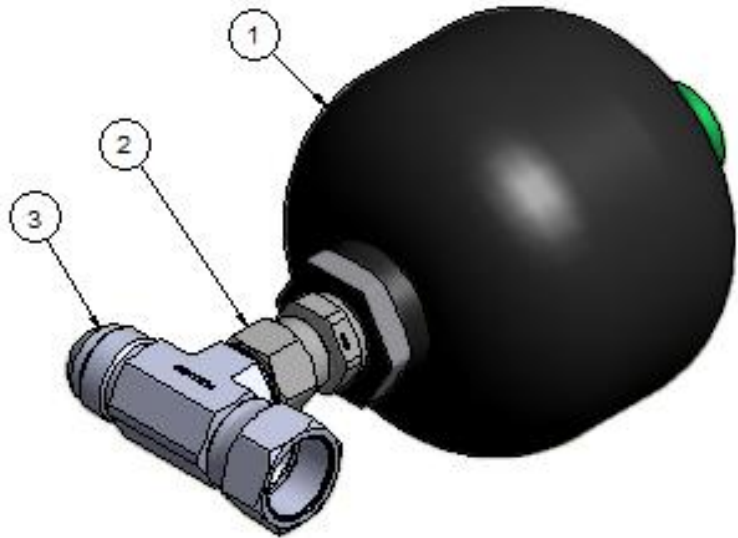
Hydraulic Hose Hydra Grip White
Part # 06841
Also available in red, yellow, blue,
orange and green



Hydraulic Hose Colour Code Kit
Part # 04725



7.5.b Hydraulic Block Accumulator

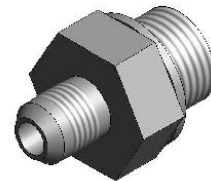


Item #	Qty	Part #	Description
All	1	27404	ACCUMULATOR KIT 0.75L
1	1	27403	ACCUMULATOR 0.75L
2	1	09760	NIPPLE 1/2" BSPP OM x 7/8 JIC SWIVEL
3	1	09761	TEE REDUCING 1 1/16" JICM/F/SW7/8" JICM

7.5.c Hydraulic Hose Adaptor

This fits into the MCV block and the Metering Unit motor to allow hydraulic hoses to be connected.

Part #	Description
07152	ADAPTOR 1/2" BSPP OM x 9/16 JICM



7.5.d Hydraulic Quick Coupling Set

Item #	Qty	Part #	Description
All	1	07138	QUICK COUPLING SET – ½" PP M&F
	1	05034	QUICK COUPLER ½" MALE
	1	05719	QUICK COUPLER ½" FEMALE



8.0 Electrical System

Ausplow has used six basic versions of seed rate controllers on the Multistream product range. They are identified as follows:

- Topcon Apollo X30
- Topcon Kee Zynx X20
- Topcon Kee Zynx X15
- Topcon Kee Eagle
- Farmscan Canlink 3000 with run/hold switch
- Farmscan Canlink 3000 without run/hold switch (ORB with run/hold switch)

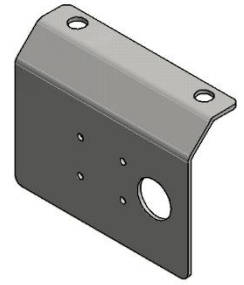
Ausplow has also introduced the following controllers for the 2014 season:

- Trimble FM1000
- John Deere Greenstar

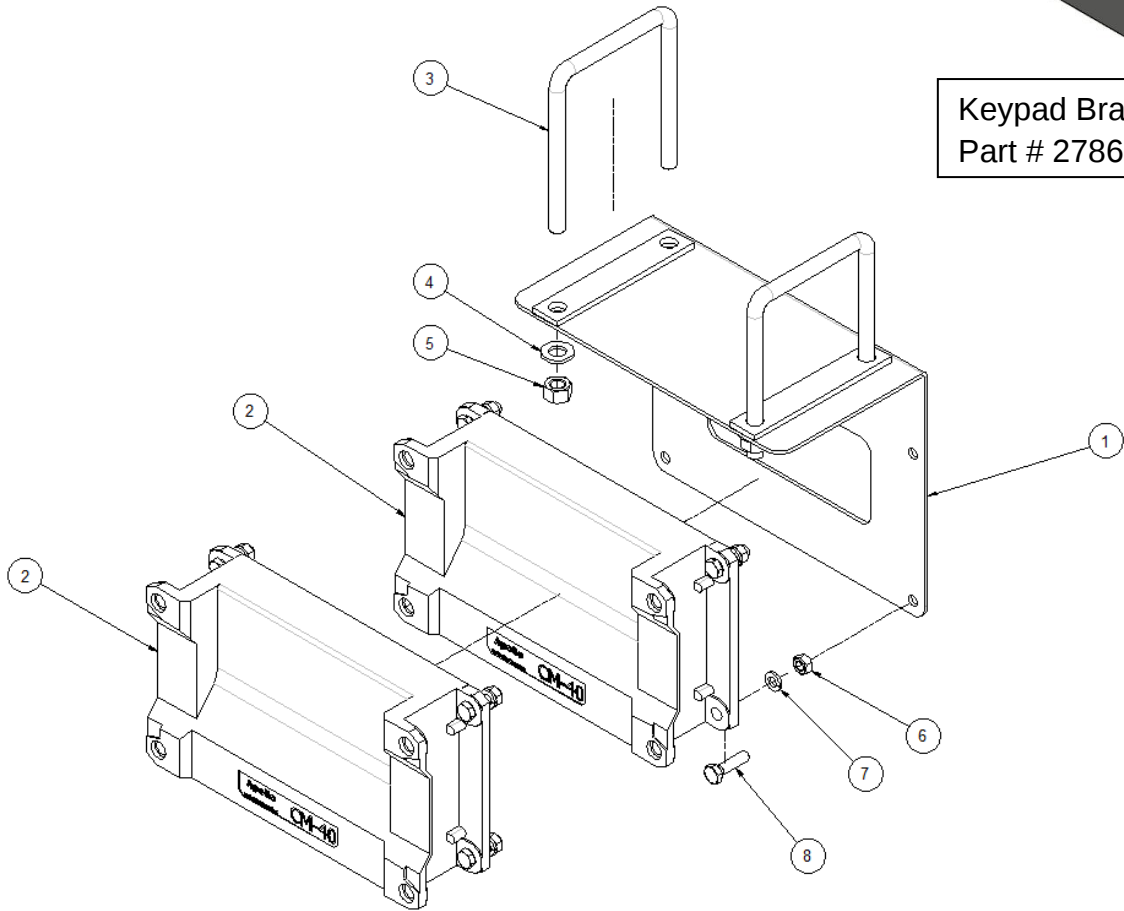
The Apollo ECU and X30 display were introduced to new builds in May 2016 (MS 487). Also new looms/harnesses with new Deutsch connectors for improved sealing were introduced.

8.1 Bracket Mountings

8.1.a Bracket Mountings – X30 Apollo



Keypad Bracket
Part # 27865



Item #	Qty	Part #	Description
1	1	27937	APOLLO CM-40 BRACKET
2	2	15841	APOLLO CM-40 MASTER MODULE
3,4,5	2	05778	U-BOLT SET M12x102x133mm
6	8	09055	NUT HEX M8 SS
7	8	09105	WASHER SPRING M8 SS
8	8	09114	SCREW HEX M8x30mm SS

Cable Tray Bracket LH
Part # 27772



Cable Tray Bracket RH
Part # 27773

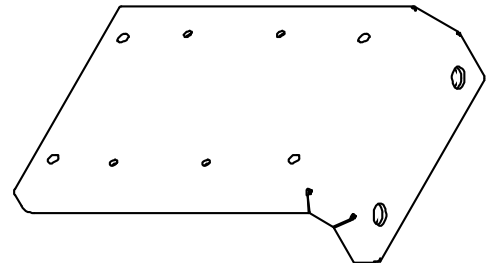
8.1.b Bracket Mountings – X20 / Trimble / Farmscan

TOPCON

Qty	Part #	Description
2	06735	POD MOUNTING BRACKET – Topcon X20 and Trimble (Also used for Run/Stop Switch bolts to 100x100mm member)
2	05778	U-BOLT SET M12x103x133mm FOR POD MOUNTING BRACKET
2	07611	U-BOLT SET FOR MOUNTING MDECU TO CROSS MEMBER – (only for Trimble, bolts to 100x200mm member)
2	03072	SETSCREW M12 x 30mm FOR MOUNTING TO LHF CORNER OF CHASSIS
2	09010	WASHER SPRING M12
2	09054	NUT M12
4	09309	SETSCREW M5 x 12mm SS FOR MOUNTING RUN HOLD SWITCH
4	09236	WASHER SPRING M5
4	09310	WASHER FLAT M5
4	09247	SETSCREW M6 x 16mm MDECU
4	09224	WASHER FLAT M6
4	09064	NUT M6 Nylock

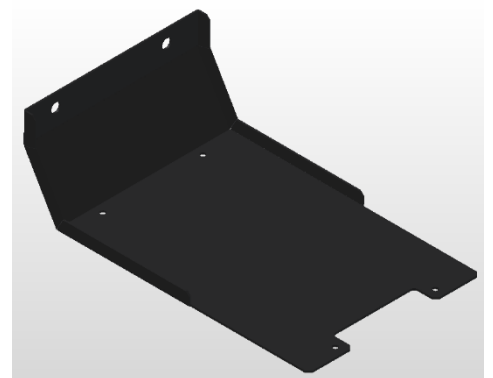
TRIMBLE

Qty	Part #	Description
1	06735	POD MOUNTING BRACKET
AR	09061	WASHER FLAT M5
AR	09196	NUT M5 Nylock
AR	09359	SETSCREW M5 x 16mm
AR	07611	U BOLT SET M12 x 103 x 235mm



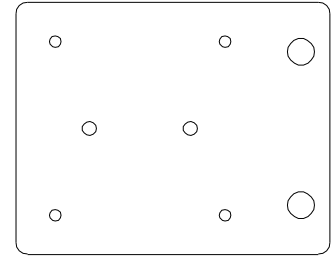
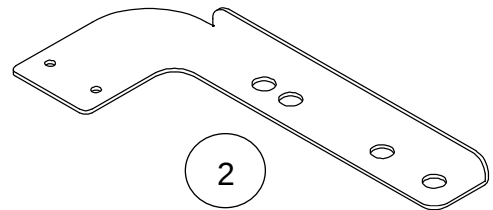
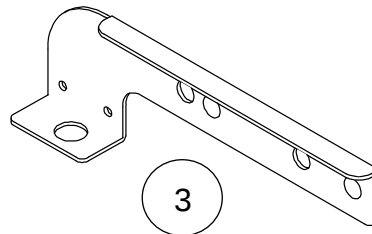
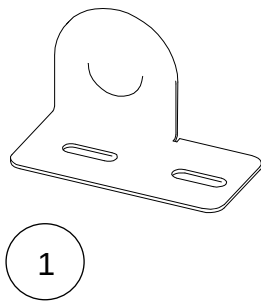
FARMSCAN

Qty	Part #	Description
1	05230	POD MOUNTING BRACKET
2	03072	SETSCREW M12 x 30mm FOR MOUNTING TO LHF CORNER OF CHASSIS
2	09010	WASHER SPRING M12
2	09054	NUT M12
4	09247	SETSCREW M6 x 16mm FOR FARMSCAN POD
4	09224	WASHER FLAT M6
4	09064	NUT M6 Nylock



8.1.c Bracket Mounting - Air Pressure Sensor

Qty	Part #	Description
1	05238	MOUNTING BRACKET AIR PRESSURE SENSOR ALL
2	03072	SETSCREW M12x 30mm
2	09010	WASHER SPRING M12
2	09054	NUT M12
2	09492	SETSCREW M6 x 40mm FOR KEE SENSOR
4	09247	SETSCREW M6 x 16mm FOR FARMSCAN SENSOR
AR	09224	WASHER FLAT 1 PER 6mm SETSCREW
AR	09064	NUT M6 Nylock

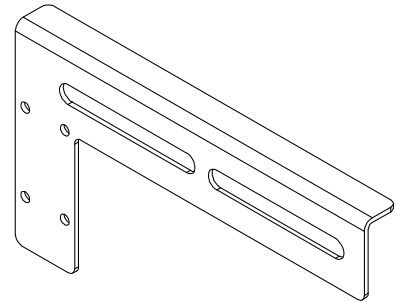
**8.1.d Bracket Mounting - Speed Sensor / Wheel & Fan**

Item #	Qty	Part #	Description
1	1	11069	BRACKET MOUNTING SPEED SENSOR TOPCON FAN & WHEEL
2		06586	BRACKET MOUNTING SPEED SENSOR WHEEL (Canlink)
3		12073	BRACKET MOUNTING SPEED SENSOR WHEEL UNIVERSAL
NS	2	09309	SETSCREW M5 x 12mm SS FITS BRACKET ALL LOCATIONS
NS	4	09310	WASHER FLAT M5 SS
NS	2	09096	NUT M5 Nylock SS

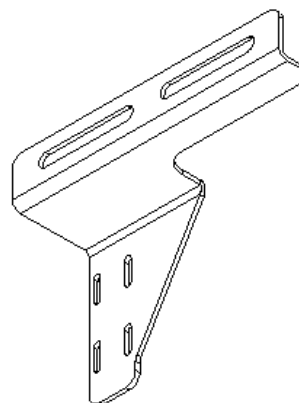
Fasteners for Speed Sensors & Brackets

Qty	Part #	Description
1	03056	U-BOLT SET M12 x 82 x 113mm - SUIT 80mm AXLE (DB BINS)
1	05778	U-BOLT SET SUIT 100 & 110 SERIES AXLES
2	09309	SETSCREW M5 x 12mm SS FITS 11069 BRKT OR FARMASCAN SENSOR
4	09310	WASHER FLAT M5
2	09096	NUT M5 NYLOCK
1	05445	U-BOLT SUIT 150 SERIES AXLE (Drill to suit bracket)
1	09254	SETSCREW M8 x 25mm
1	09017	WASHER FLAT M8
1	09066	WASHER SPRING M8
1	09125	NUT M8

8.1.e Depth Switch Bracket - Farmscan



Item #	Qty	Part #	Description
1	1	06898	FARMSCAN LIMIT SWITCH BRACKET FLAT

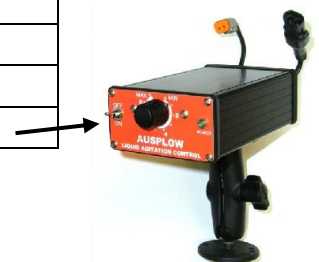


Item #	Qty	Part #	Description
1	1	07090	FARMSCAN LIMIT SWITCH BRACKET STEPPED

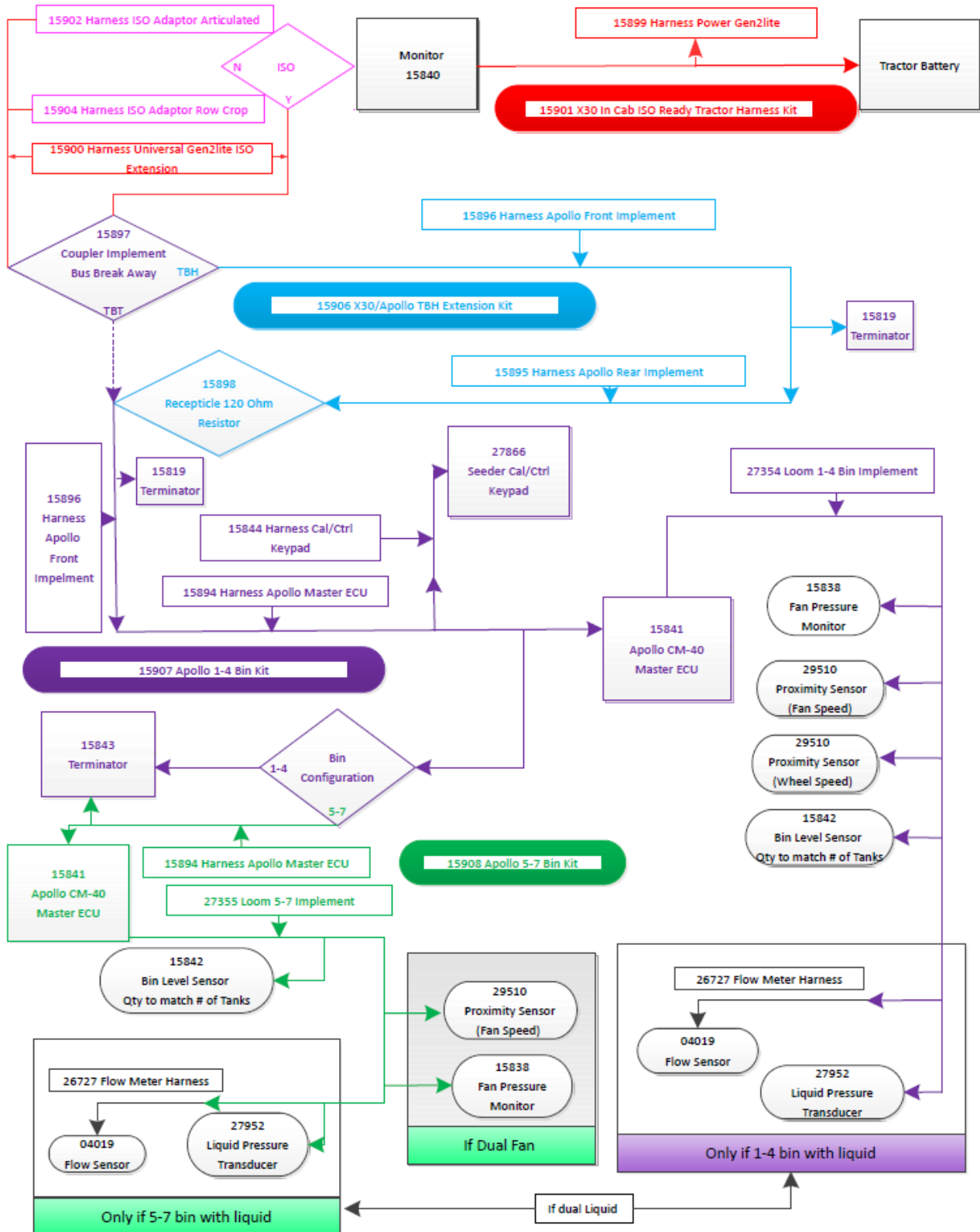
8.2 Electrical Components

8.2.a Electrical Components - Topcon X30 Apollo

Part #	Description & Location
	Bin Wiring Harness's Components
27354	LOOM APOLLO 1-4 BIN
27355	LOOM APOLLO 5-7 BIN
15843	TERMINATOR HARNESS X30/APOLLO
15844	ON FRAME CAN KEYPAD HARNESS (run/stop)
15896	HARNESS APOLLO FRONT (9m)
15894	HARNESS APOLLO MASTER ECU
15898	RECEPTICLE
15901	X30 TRACTOR HARNESS KIT
	Tow Behind Harness's Special Components
15895	HARNESS APOLLO REAR IMPLEMENT (9m)
15897	COUPLER BREAKAWAY
15906	X30/APOLLO TBH EXTENSION KIT Consists of 15895, 15896, 15898
	Common Components
15840	X30 MONITOR ONLY
15841	MODULE MASTER CM40 APOLLO – Up to 4 Bins (If liquid fitted specify tank location)
15842	SENSOR - BIN LEVEL APOLLO (granular and liquid)
HIRE X30	X30 MONITOR ONLY HIRE PER WEEK
15838	SENSOR FAN PRESSURE 3 PIN DEUTSCH
27866	CAL & CONTROL PANEL (Keypad)
27865	CONTROL PAD BRACKET
15839	SENSOR - FAN / WHEEL SPEED – NLA use 29510
04331	MAGNET - FAN SPEED - (Fit with epoxy adhesive with X facing out)
15303	MAGNET - WHEEL SPEED - (Fit with epoxy adhesive with X facing out) – Pack of 12
04332	MAGNET - WHEEL SPEED - (Fit with epoxy adhesive with X facing out) - each
15819	TERMINATOR PLUG
27952	LIQUID PRESSURE TRANSMITTER X30 - DEUTSCH
28894	FLOW METER HARNESS ADAPTOR (X30 & Trimble)
29510	SENSOR PROXIMITY METER & FAN SPEED – DEUTSCH
28137	POWER EXTENSION 7M - DEUTSCH
28119	AGITATION REMOTE CONTROL UNIT - DEUTSCH



Topcon X30 Apollo Schematic Diagram



Part #	Liquid Special Components
04019	SENSOR FLOW METER
26727	FLOW METER HARNESS ADAPTOR

8.2.b Electrical Components - Topcon Kee Eagle, X15 & X20

All Topcon Seed Rate controllers use the same components from the drawbar pin back. Only the componentry fitted to the tractor differs between the seed rate controllers.

Part #	Description & Location
	Bin Wiring Harness's Common Components
04311	LOOM 2 & 3 TANK
04290	LOOM 4TH STATION EXTENSION - (use with loom 04311)
14105	LOOM 4 BIN
14103	LOOM ECU INTERCONN (joins ECU together)
14104	LOOM 5 TO 7 BIN EXTENSION
04936	LOOM EXTENSION 10m - DRAWBAR TO ECU
04833	LOOM VOLTAGE SHIFTER HYD VALVE SECTION c/w HIRSHMAN PLUG
	Tow Behind Harness's Special Components
04288	LOOM CROSS BAR EXTENSION (12.5m)
04614	LOOM FAN EXTENSION 7.2m
	Draw Bar Mount Harness's Special Components
04973	LOOM EXTENSION HARNESS 5m WHEEL SPEED
	Liquid Special Components
04286	SENSOR LIQUID PRESSURE
04937	LOOM EXTENSION 1.5m
04019	SENSOR FLOW METER
26727	FLOW METER HARNESS ADAPTOR – Packard Plug
28894	FLOW METER HARNESS ADAPTOR – Deutsch Plug
	Common Components
04325	MULTIDRIVE ECU – Up to 4 Bins (If liquid fitted specify tank location)
15537	X20 MONITOR ONLY - NLA
HIRE X20	X20 MONITOR ONLY HIRE PER WEEK
04326	KIT FAN PRESSURE SENSOR – (same for JD & Trimble)
04328	SENSOR FAN / WHEEL SPEED – (Fan same for JD & Trimble, Wheel speed not used on JD & Trimble due to GPS)
07618	FAN SPEED SENSOR BOLT 3/8" Drilled – Used with 04328 Sensor
04312	LOOM RUN/STOP
04287	SENSOR BIN LEVEL (Same for Trimble) – (used for granular and liquid)
04331	MAGNET FAN SPEED - (Fit with epoxy adhesive with X facing out)
04332	MAGNET WHEEL SPEED - (Fit with epoxy adhesive with X facing out)
06594	SENSOR PROXIMITY METER SPEED

8.2.c Electrical Components - Farmscan

Part #	Description
	Bin Wiring Harness's, Common Components
04122	LOOM VOLTAGE SHIFTER HYD VALVE SECTION c/w HIRSHMAN PLUG
	Tow Behind Harness's, Special Components
04313	LOOM FAN EXTENSION
	Liquid Special Components
04227	SENSOR LIQUID PRESSURE
04019	SENSOR FLOW METER
07953	FLOW METER HARNESS ADAPTOR
	Common Components, Farmscan All
04065	KIT FAN PRESSURE SENSOR
06587	SENSOR FAN SPEED
06585	SENSOR WHEEL SPEED KIT
04121	RUN/STOP SWITCH IN CAB
04066	SENSOR BIN LEVEL – (also used in JD granular Bins)
04073	MAGNET FAN SPEED
04072	MAGNET WHEEL SPEED (SEE NOTE 1)
06594	SENSOR PROXIMITY METER SPEED

Note 1: Farmscan wheel speed magnets must be fitted with the magnetic poles facing out in alternate North South configuration.

Note 2: All magnets must be glued into position with an epoxy adhesive e.g. Araldite.

Note 3: Require Topcon harness if converting Farmscan to JD

8.2.d Tractor Kits & Components

Item	Qty	Part #	Description
NS	1	04386	AUSPLOW KEE TRACTOR KIT SUIT X15 & X20
NS	1	08713	MONITOR LOOM CONSOLE POWER HARNESS X20
NS	1	04321	MONITOR ECU INTERFACE KIT
NS	1	04323	MONITOR LOOM RADAR SENSOR - PACKARD
NS	1	07992	MONITOR LOOM TRACTOR X15/X20

8.2.e Electrical Components - Trimble

Part #	Description
27758	LOOM TRIMBLE 2-6 BIN
27809	LOOM BIN & CAN EXT – (from mid 2016)
15741	CABLE ASSY CAN POWER 10m
15742	CABLE ASSY CAN POWER 12m
15756	CABLE BREAKOUT ADAPTOR – (not required from mid 2016)
15757	CABLE BIN SENSOR ADAPTOR – (not required from mid 2016)
15759	CABLE DUAL RELAY PWR CUT OFF
15751	TRIMBLE LIQ & DF ADAPTOR (not required on newer machines)
15758	CABLE FIELD IQ IMPLEMENT TERMINATOR ADAPTOR (Cap)
15762	CABLE PRESS SENSOR JUMPER (Trimble Ausplow-Topcon) Packard Plug
15761	LIQUID PRESSURE TRANSDUCER – TRIMBLE (requires 15762 lead)
27952	LIQUID PRESSURE TRANSDUCER – Deutsch Plug
28894	FLOW METER HARNESS ADAPTOR (X30 & Trimble)
15739	TRIMBLE RATE CONTROLLER MODULE FIELD IQ – (One for each Granular or Liquid Bin)

8.2.f Electrical Components – Greenstar (JD)

	Part #	Description
Controls 4 Dry bins	15726	RATE CONTROLLER DRY KIT (Inc Pedal, Loom, Bracket)
2x U-Bolts for each bracket	05778	U-BOLT M12 103x133mm – (For Rate Controller Bracket)
Controls 1 Liquid bin	15734	RATE CONTROLLER LIQUID KIT (Inc Pedal, Loom, Bracket)
Connects Topcon harness to controllers	15727	HARNESS CART FOR DRY CONTROLLER – Up to 4 Bins Includes 4 Bin Level Sensor adaptors
	15735	HARNESS AUSPLOW FOR 1 LIQUID CONTROLLER
Drawbar to controllers 01929 Kit contains	15724	HARNESS FRONT EXT 10m RATE CONTROLLER (For TBT & TBH)
	15729	HARNESS REAR EXT 2m RATE CONTROLLER (For TBH)
Kit c/w lead, switch, brackets	15728	SWITCH BAR HEIGHT
	04066	BIN LEVEL SENSOR GRANULAR - CANLINK
		(No liquid level sensor for JD systems)
On liquid station	06041	LIQUID PRESSURE TRANSDUCER – JD (Packard Plug)
	27952	LIQUID PRESSURE TRANSDUCER (Deutsch Plug) JD, Apollo, Trimble
Tractor to bin harness	15725	HARNESS POWER 4WD TRACTOR

Note: Need to supply power lead if JD Harness 15727 connected to PVG valve block.

9.0 Metering System

Granular Metering Units Parts are only listed for Version 5 meters. If parts are required for Version 4 or Version 3.5 meters they will have to be ordered by description, as the majority of these parts are no longer supported.

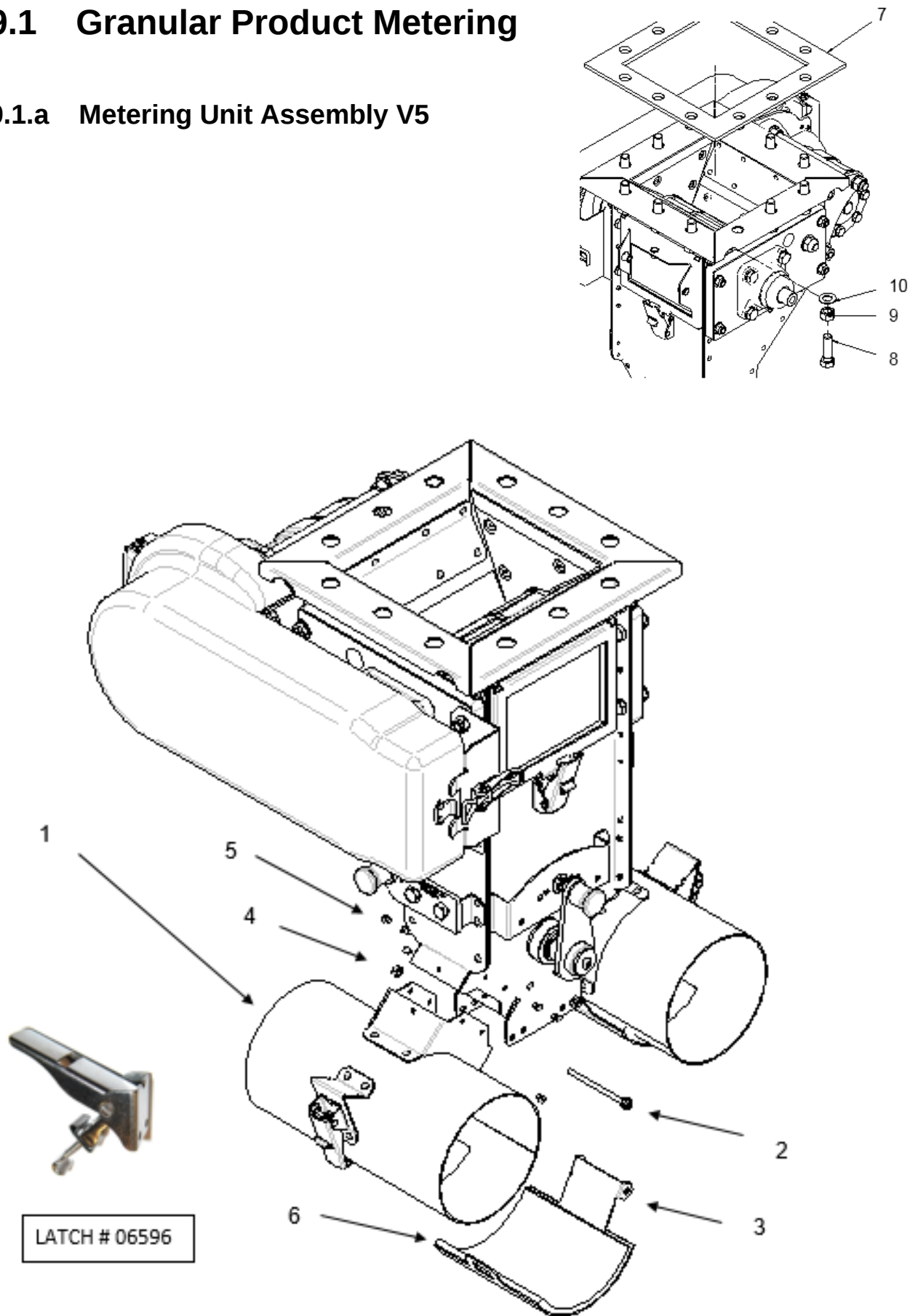
The Version 5 meter can be fitted in place of the earlier version meters.

The Version 5 meter offers improved performance particularly with smaller seeds.

In Dec 2016 the Multistream Tanks changed from using a M12 bolt to a M10 Socket head bolt for attaching the metering units.

9.1 Granular Product Metering

9.1.a Metering Unit Assembly V5



Metering Unit Assembly V5

Item #	Qty	Part #	Description
All	1	07593	METERING UNIT V5 ASSY 5" - SEED (Not Small)
	1	07598	METERING UNIT V5 ASSY 5" - FERTILISER
	1	07596	METERING UNIT V5 ASSY 6" - SEED (Not Small)
	1	07599	METERING UNIT V5 ASSY 6" - FERTILISER
	1	15314	METERING UNIT V5 ASSY 5" - SMALL SEED
	1	15316	METERING UNIT V5 ASSY 6" - SMALL SEED
	1	14319	METERING UNIT V5 ASSY 5" - S/SHOOT - SMALL SEED
	1	14313	METERING UNIT V5 ASSY 6" - S/SHOOT - SMALL SEED
	1	14455	METERING UNIT V5 ASSY 5" S/SHOOT - SEED (Not Small)
	1	14459	METERING UNIT V5 ASSY 5" S/SHOOT- FERTILISER
	1	14456	METERING UNIT V5 ASSY 6" S/SHOOT - SEED (Not Small)
	1	14460	METERING UNIT V5 ASSY 6" S/SHOOT- FERTILISER
	Note that above Metering Units now include the Proximity Sensor & Lead		
1	2	07494	METERING TUBE ASSY 5" - WITHOUT DOOR
	2	07495	METERING TUBE ASSY 6" - WITHOUT DOOR
2	2	07499	DOOR HINGE PIN V5
3	2	07603	TRAP DOOR ASSY 5" - V5 c/w Gasket
	2	07602	TRAP DOOR ASSY 6" - V5 c/w Gasket
4	2	09096	NUT M5 Nylock
5	12	09058	RIVET 4mm x 5mm SS
6	1	07554	GASKET CLEAN OUTDOOR - Adhesive Backed (5" & 6")
NS	AR	07476	METERING UNIT BASE ASSY – FERTILISER V5
NS	AR	07450	METERING UNIT BASE ASSY – SEED V5

Other parts for the Metering Units:

Item	Qty	Part #	Description
7	1	06131	GASKET METERING UNIT 6mm
8	12	09133	BOLT M12 x 40mm SS (Unit to Tank) – Pre Dec 2016
		09948	BOLT SOCKET HEAD M10 x 25mm SS – Post Dec 2016
9	12	09107	NUT M12 SS – Pre mid 2017
			Not required Post Mid 2017 Tanks
10	12	09108	WASHER M12 SS – Pre Dec 2016
		09810	WASHER M10 SS – Post Dec 2016
NS	1	29510	PROXIMITY SENSOR & LEAD – Deutsch Plug
		06594	PROXIMITY SENSOR & LEAD – Packard Plug

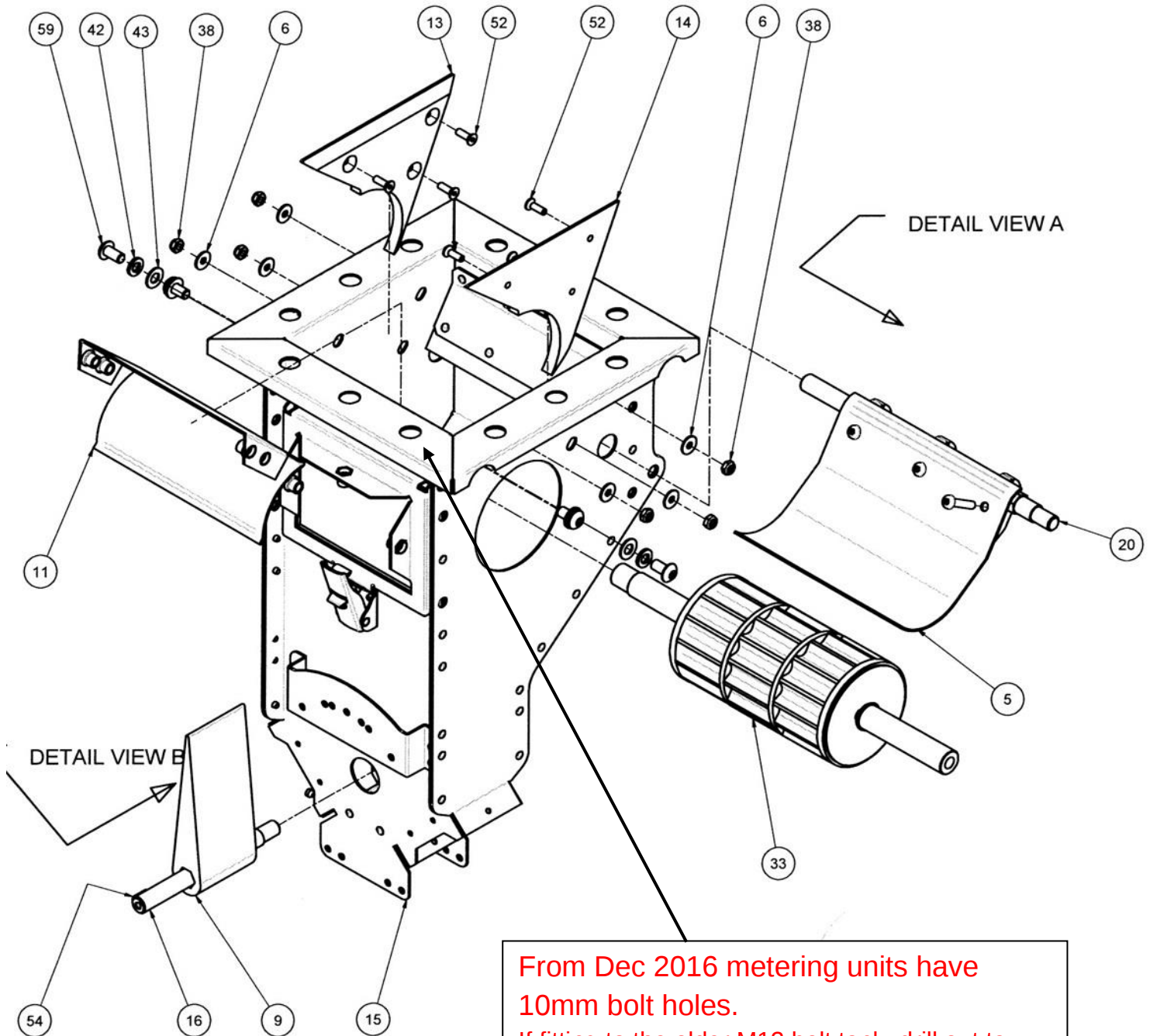
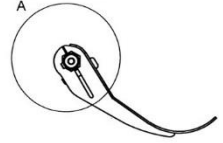
Note:

Captive nuts were fitted in tanks from Dec 2016 (MS506), M10x25mm SS bolts #09948 and M10 SS Washers #09810 are now used instead of M12x44mm bolts and washers.

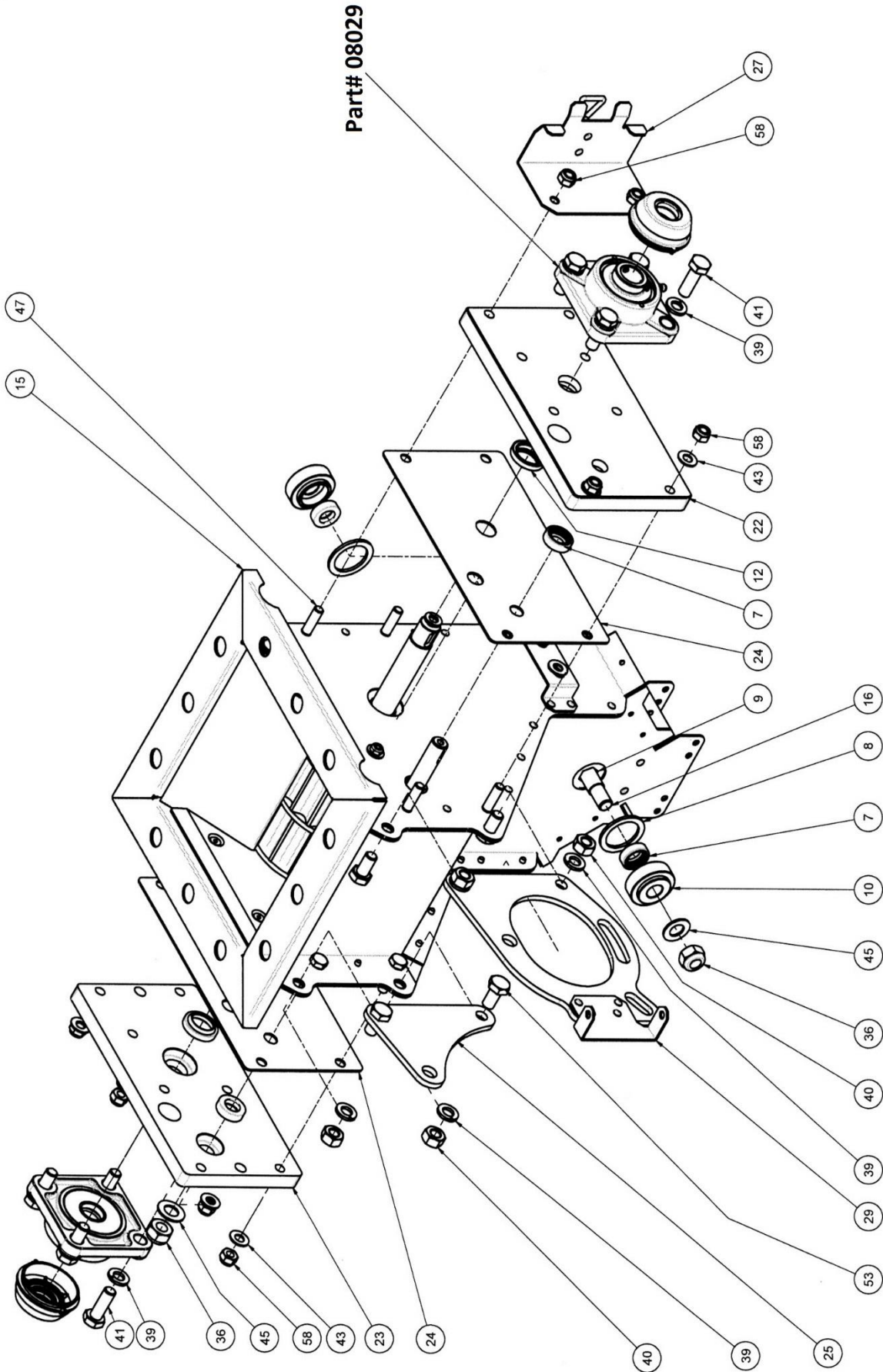
9.1.b Metering Unit V5 Internal Parts

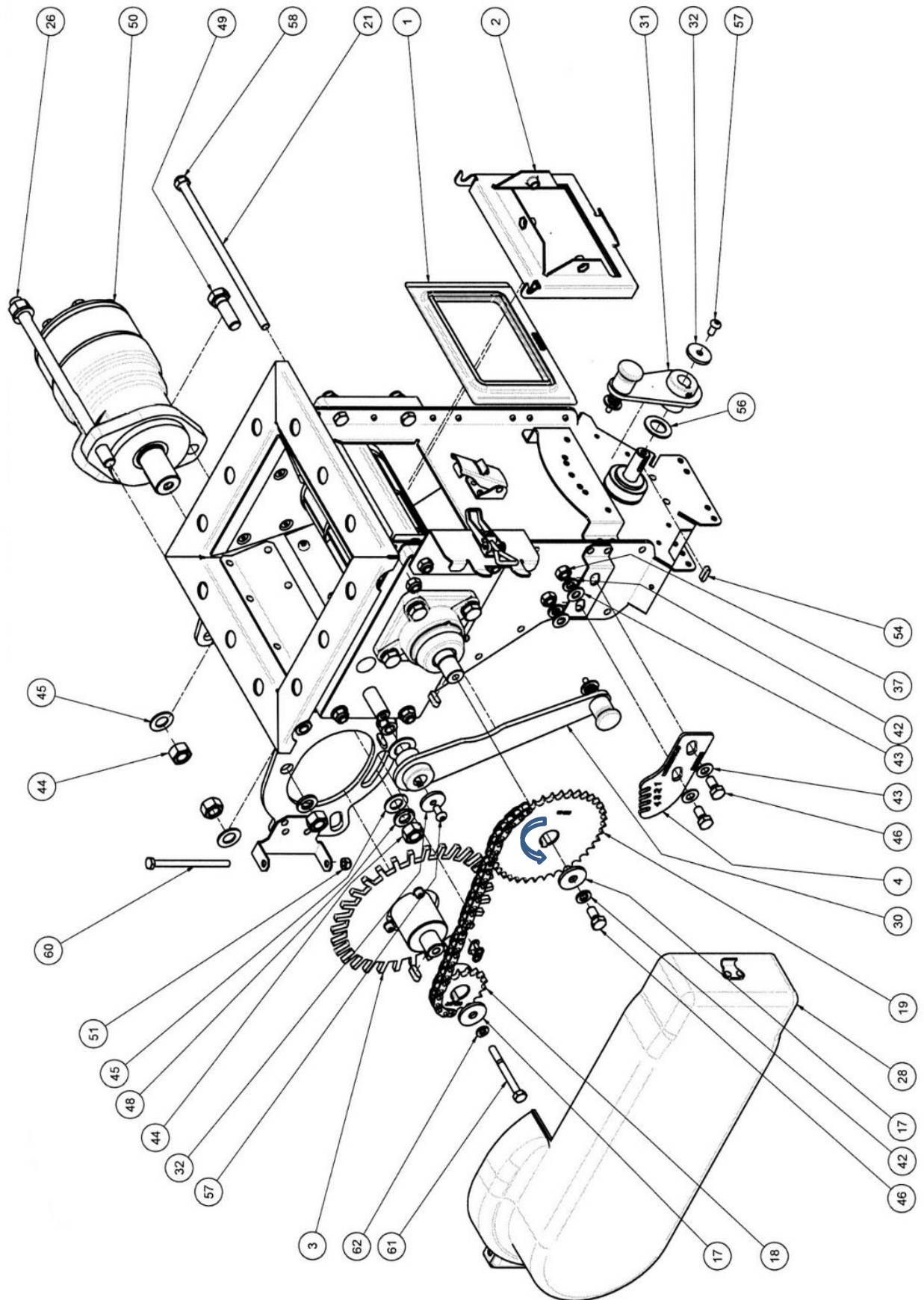
#07450	Metering Base Unit – Seed
#07476	Metering Base Unit - Fertiliser

CRITICAL NOTE: SET
ORIENTATION OF SHAFT
KEYWAYS RELATIVE TO FLAP
POSITIONS



From Dec 2016 metering units have
10mm bolt holes.
If fitting to the older M12 bolt tank, drill out to
15mm and use #09133 M12 x 40mm SS Bolt
and #09108 SS M12 washer





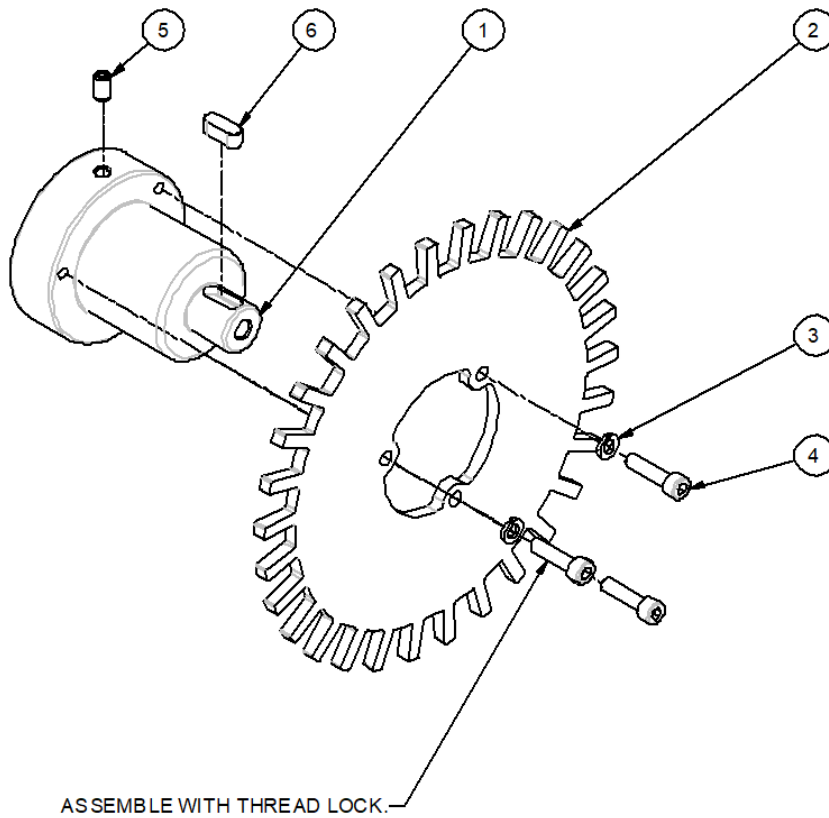
Metering Unit V5 Internal Parts
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Item #	Qty	Part #	Description
1	1	26690	METERING UNIT DOOR SEAL
2	1	26889	WINDOW FRAME ASSY CAMERA MOUNTING
3	1	27108	HYDROMOTOR DRIVE ADAPTOR ASSY - See Section 9.1.c
	1	07640	HYDROMOTOR DRIVE ADAPTOR ASSY - Uses M8 x 16 bolt
4	1	12659	METERING FLAP LOCK
5	1	12660	METERING FLAP ASSY COMPLETE
6	6	13661	WASHER FLAT M5 SS
7	4	06049	SEAL 14 x 24 x 7mm
8	2	06860	FLAP GASKET - Neoprene
9	NLA	06861	DIVIDING FLAP (need to use 34136 and 34131)
10	2	06862	BUSH 14mm SHAFT
11	1	06877	BLOCKING PLATE ASSY
12	2	07458	SEAL 30 x 20 x 7mm
13	1	07460	INNER SIDE PROTECTOR PLATE RH
14	1	07461	INNER SIDE PROTECTOR PLATE LH
15	1	07462	CHASSIS FRAME ASSY V5
16	1	07463	DIVIDING FLAP SHAFT V5
17	2	07464	CLAMP WASHER M8 x 28mm
18	1	AR	SPROCKET - See Section 9.1.e
19	1	AR	SPROCKET - See Section 9.1.e
20	1	07491	METERING FLAP SHAFT V5
21	1	07498	WINDOW HINGE PIN V5
22	1	07522	SIDE CARRIER PLATE MACHINED RH
23	1	07523	SIDE CARRIER PLATE MACHINED LH
24	2	07524	SIDE CARRIER PLATE GASKET
25	1	07526	MOTOR SUPPORT FLANGE V5
26	1	07527	MOTOR MAIN STUD V5
27	1	07535	CHAIN GUARD FRONT BRACKET ASSY
28	1	07536	GUARD ASSY
29	1	07542	MOTOR MOUNT PLATE ASSY
30	1	07546	METERING FLAP ARM ASSY
31	1	07551	DIVIDING FLAP ARM ASSY
32	2	07641	CLAMP WASHER M5 x 25mm
33	1	AR	WHEEL SHAFT ASSY V5.1 - See Section 9.1.d

Metering Unit V5 Internal Parts
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Item #	Qty	Part #	Description
34	2	27066	METERING UNIT BEARING ASSY
35	1	AR	METERING CHAIN ASSY INCL LINK (see Section 9.1.e)
36	2	09053	NUT M12 SS Nylock
37	2	09055	NUT M8 SS
38	6	09096	NUT M5 Nylock
39	12	09098	WASHER SPRING M10 SS
40	4	09099	NUT M10 SS
41	8	09100	BOLT M10 x 30mm
42	7	09105	WASHER SPRING M8 SS
43	14	09106	WASHER FLAT M8 SS
44	5	09107	NUT M12 SS
45	5	09108	WASHER FLAT M12 SS
46	3	09111	BOLT M8 x 16mm
47	8	09114	BOLT M8 x 30mm SS
48	3	09117	WASHER SPRING M12 SS
49	1	09133	BOLT M12 x 40mm SS
50	1	09191	HYDROMOTOR SEED 200cc
	1	09190	HYDROMOTOR FERTILISER 100cc
	1	07628	SEAL KIT HYD MOTOR– 100/200cc Danfoss (2006-12)
	1	06834	SEAL KIT HYD MOTOR– 100/200cc Renold (2012/13)
		06835	SEAL KIT HYD MOTOR– 100/200cc Hyteco/Argee (2013 on)
51	1	09194	NUT M6 SS Nylock
52	6	09235	SCREW COUNTERSUNK M5 x 16mm SS
53	4	09252	BOLT M10 x 20mm SS
54	2	09256	KEY SHAFT 5 x 5 x 16mmLG – (Dividing Flap)
55	1	09257	KEY SHAFT 6 x 6 x 16mmLG – (Metering Wheel)
56	2	09259	WASHER M14 SS
57	2	09276	BOLT BUTTON HEAD M6 x 12mm SS
58	10	09277	NUT M8 SS Nylock
59	4	09303	BOLT BUTTON HEAD M8 x 16mm
60	1	09632	BOLT M6 x 90mm SS
61	1	09727	BOLT UNC ¼ x 2 ½"
	1	09999	BOLT M8 x 65mm
62	1	09066	WASHER SPRING 8mm

9.1.c Hydromotor Drive Adaptor



PROXIMITY SENSOR & LEAD - Deutsch Plug
Part # 29510

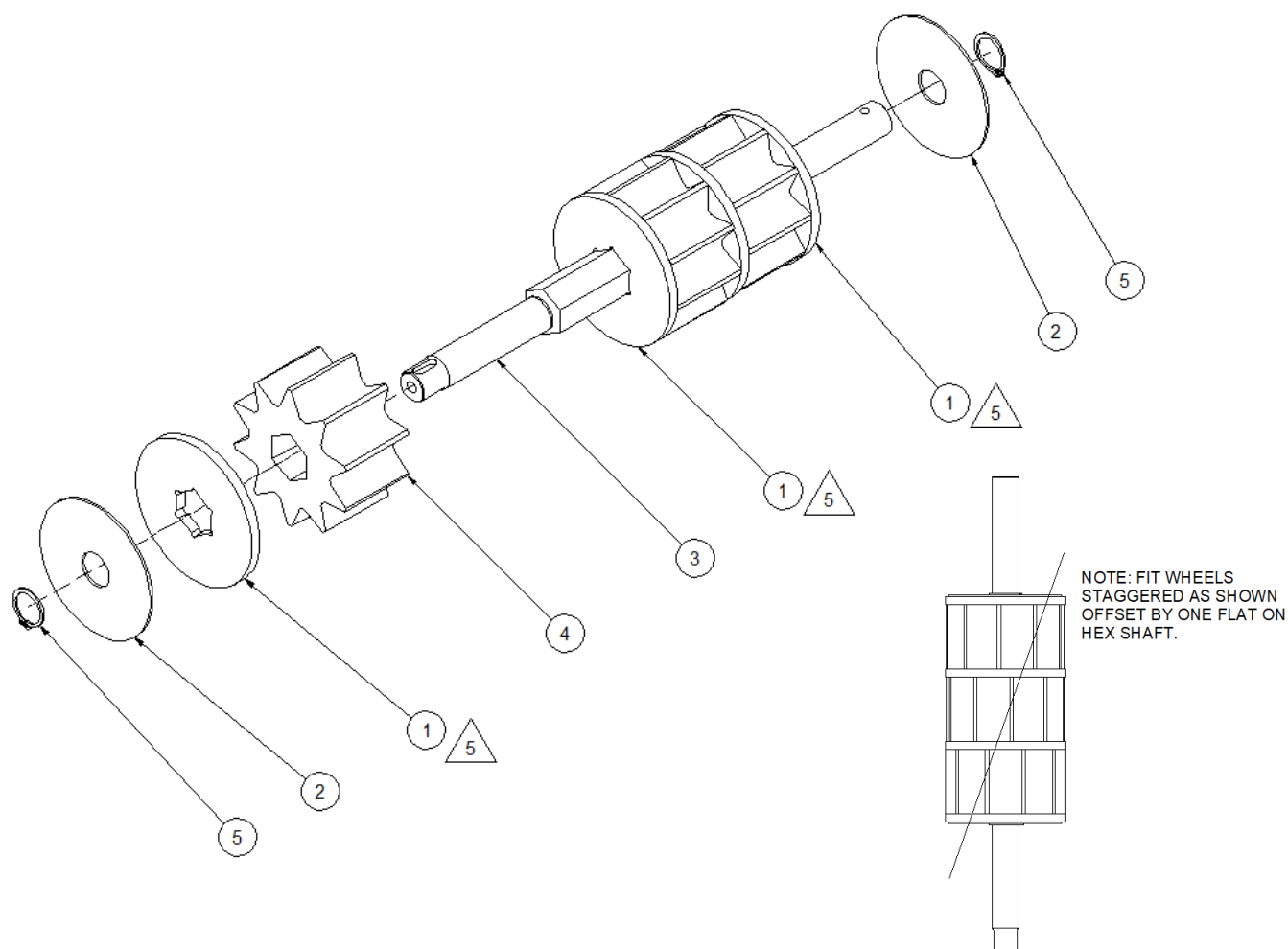


PROXIMITY SENSOR & LEAD - Packard Plug
Part # 06594



Item #	Qty	Part #	Description
All	1	07640	HYDROMOTOR DRIVE ADAPTER ASSY - Old Type
	1	27108	HYDROMOTOR DRIVE ADAPTER ASSY - New Type
1	1	27107	HYDROMOTOR DRIVE ADAPTER - Uses ¼ x 2½" UNC or M8 x 65mm Bolt
	NLA	07639	HYDROMOTOR DRIVE ADAPTER - Uses M8 x 16mm Bolt (Old Type)
2	1	07530	ENCODER DISK SCREW MOUNTED
3	3	09236	WASHER SPRING M5
4	3	09260	SCREW SOCKET HEAD M5 x 20mm SS
5	1	09278	SCREW GRUB M6 x 10mm SS
6	1	09257	KEY ROUND ENDS 6 x 6 x 16mm LG

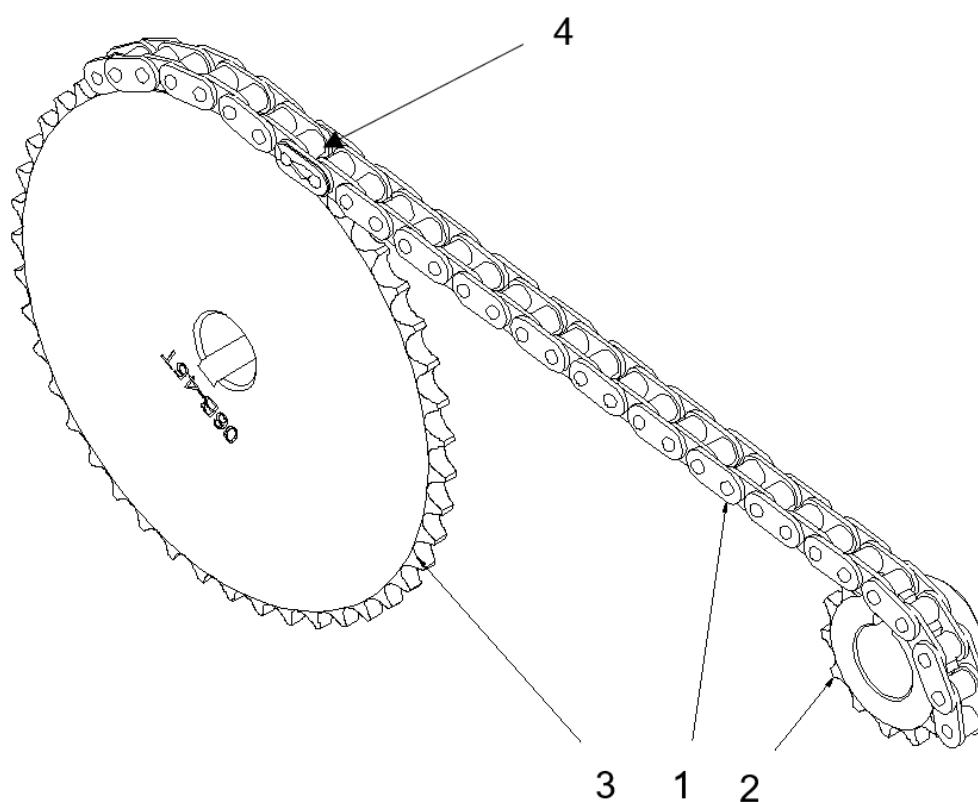
9.1.d Metering Unit Wheel Assy



Item #	Qty	Part #	Description
ALL	AR	07994	FERTILISER WHEEL & SHAFT ASSY V5.1
ALL	AR	07995	SEED WHEEL & SHAFT ASSY V5.1
ALL	AR	14318	SMALL SEED WHEEL & SHAFT ASSY V5.1
1	4	34176	METERING WHEEL SPACER 6mm
07451 and 07445 now Replaced by 34176 Metering Wheel Spacer 6mm			
2	2	07455	METERING WHEEL RETAINING WASHER
3	1	07521	MAIN SHAFT V5
4	3	07594	FERT WHEEL 90mm-MACHINED
	3	07452	SEED WHEEL 90mm-MACHINED
	3	14245	SMALL SEED WHEEL MACHINED
5	2	09217	CIRCLIP 20mm SS

The small seed wheel is also known as the fine metering wheel for Canola/Clover. The fertiliser wheel is known as the coarse metering wheel, also used for large seeds such as beans. When sowing oats at greater than 90kg/ha with a machine wider than 13m the coarse metering wheel (Part # 07994) is recommended.

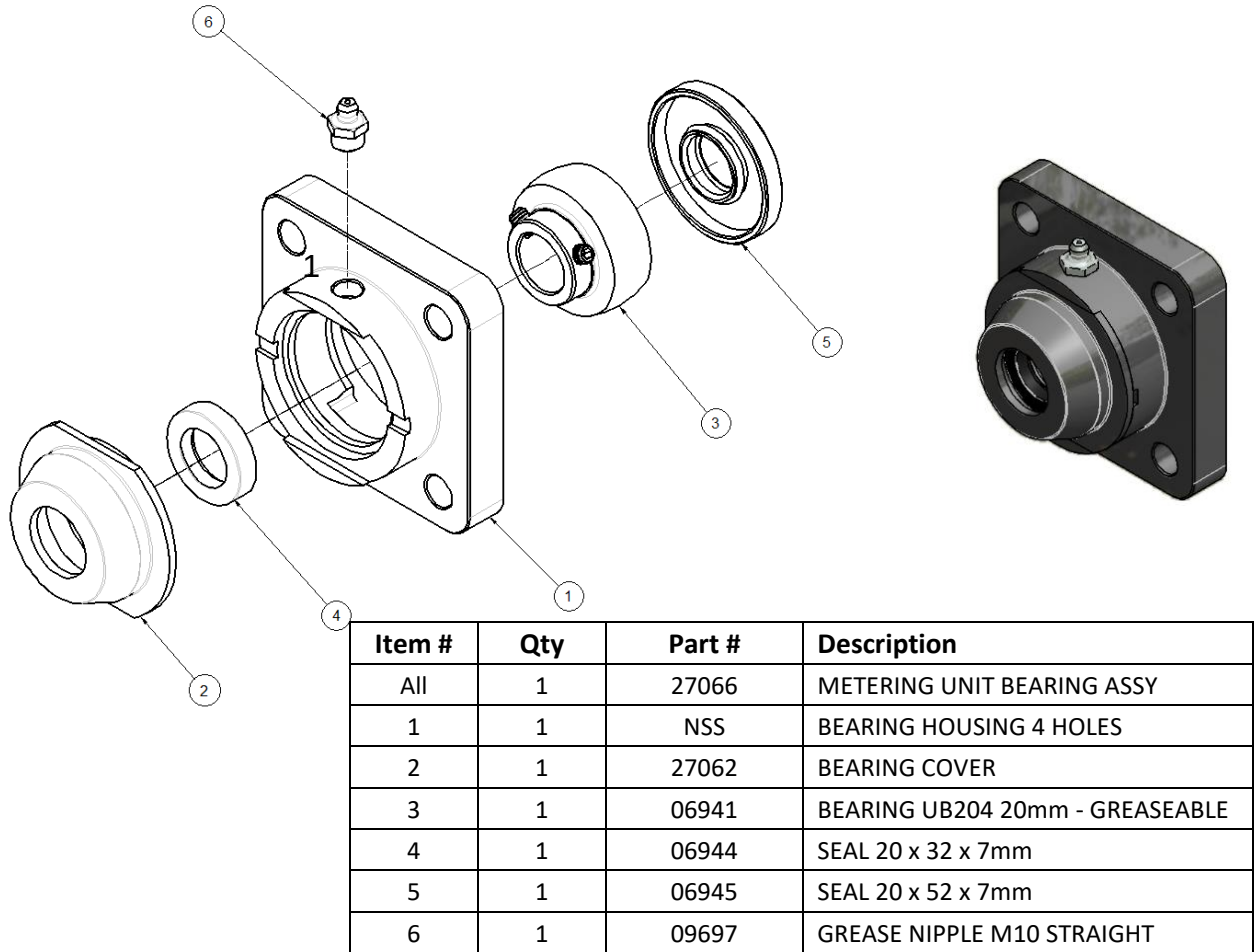
9.1.e Metering Unit Chains & Sprockets



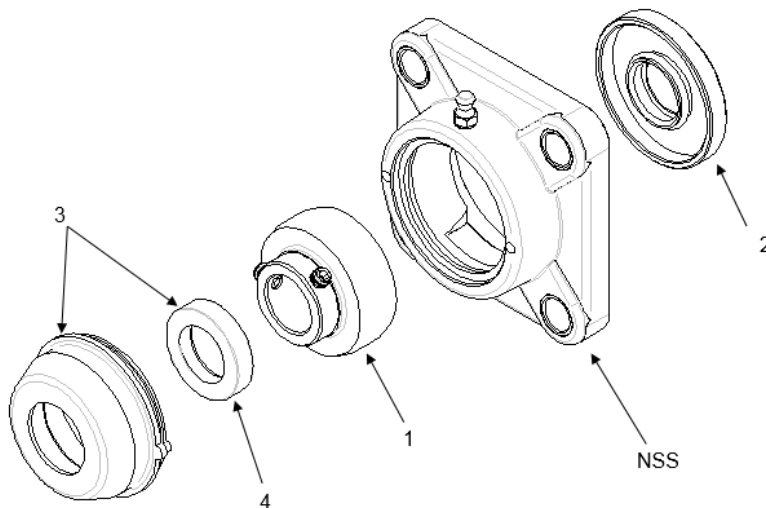
Item #	Qty	Description	Part #	Part #	Part #
			Seed	Fertiliser	Slow Speed
ALL	1	KIT, SLOW SPEED DRIVE			08885
1	1	CHAIN WITH MASTER LINK	08098	08099	08883
2	1	SPROCKET MOTOR (DRIVE)			
		17 TEETH	07468		
		20 TEETH		07469	
		13 TEETH			08843
3	1	SPROCKET SHAFT (DRIVEN)			
		38 TEETH	07471		
		20 TEETH		07469	
		45 TEETH			08844
4		MASTER LINK	08094	08094	08094

The slow speed drive kit (Part # 08885) is recommended for machines of less than 13 meters width sowing small seeds at rates of less than 4kg/ha.

9.1.f Metering Unit Bearing Assembly – New Type

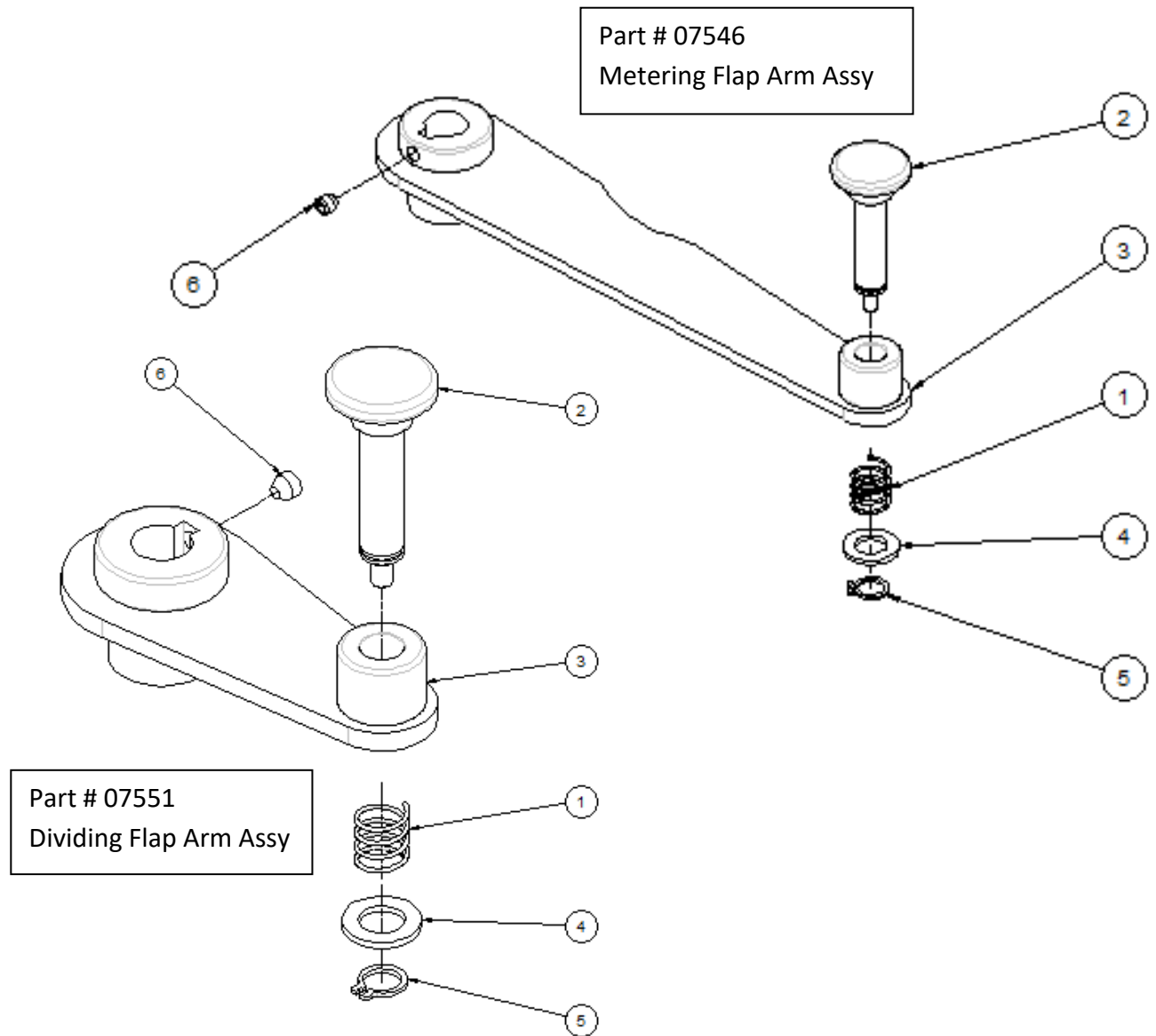


9.1.g Metering Unit Bearing Assembly – Older Type



Item #	Qty	Part #	Description
All	NLA use 27066	08029	METERING UNIT BEARING ASSY WITH LOCK PEGS
1	1	06941	BEARING 20mm c/w GRUB SCREW
2	1	06945	SEAL 20 x 52 x 7mm
3	NLA use 27066	08092	BEARING COVER ASSEMBLY c/w SEAL
4	1	06944	SEAL 20 x 32 x 7mm

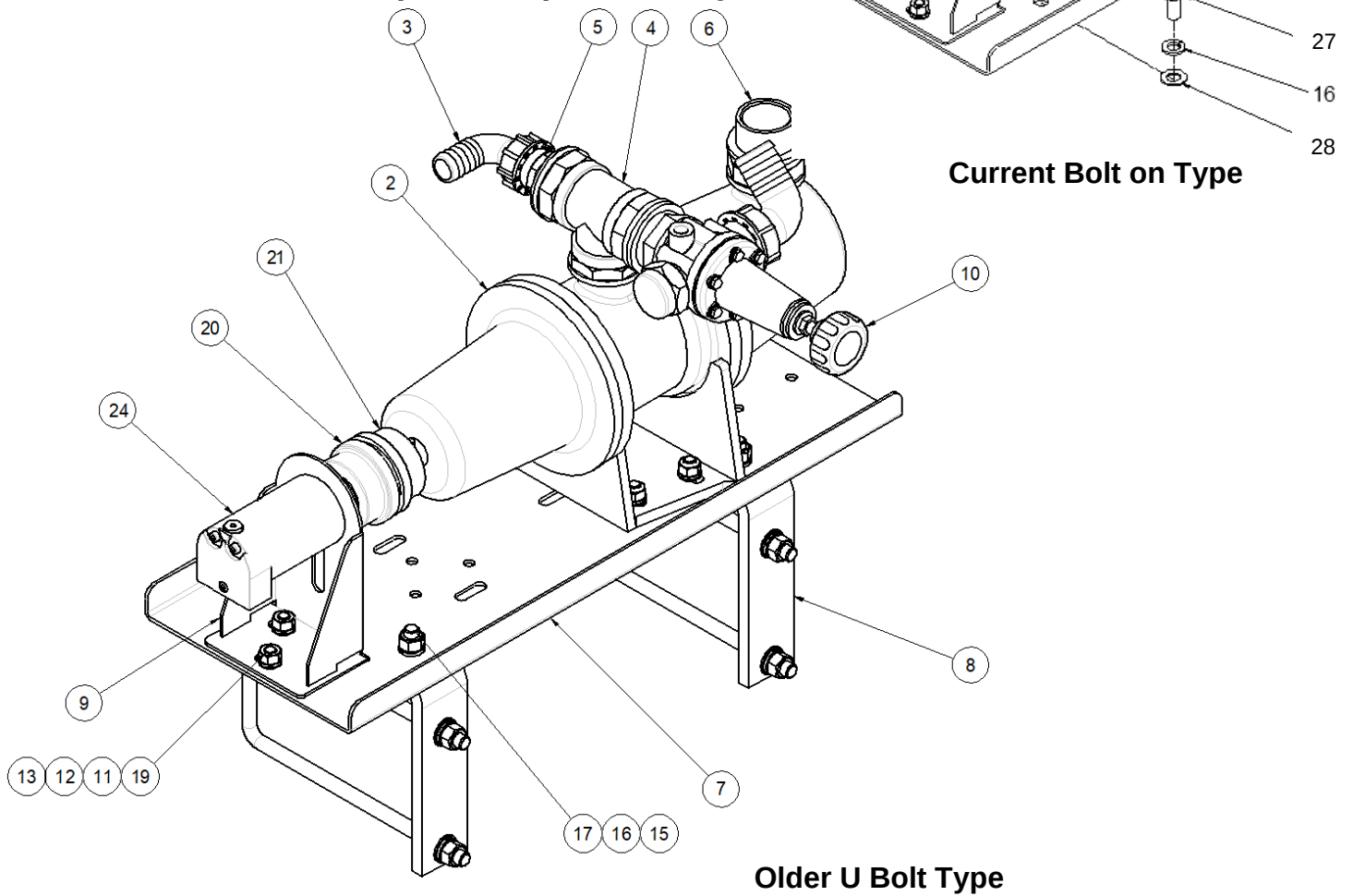
9.1.h Metering and Dividing Flap Arm Assembly



Item #	Qty	Part #	Description
1	1	06593	SPRING 12.5 x 15 x 1.0mm SS
2	1	06858	SPRING PIN
3	1	07607	METERING FLAP ARM for 07546
	1	07606	DIVIDING FLAP ARM ASSY for 07551
4	1	09097	WASHER M10 SS
5	1	09112	CIRCLIP EXTRENAL 9 x 1mm SS
6	1	09606	SET SCREW M6 x 6mm SS

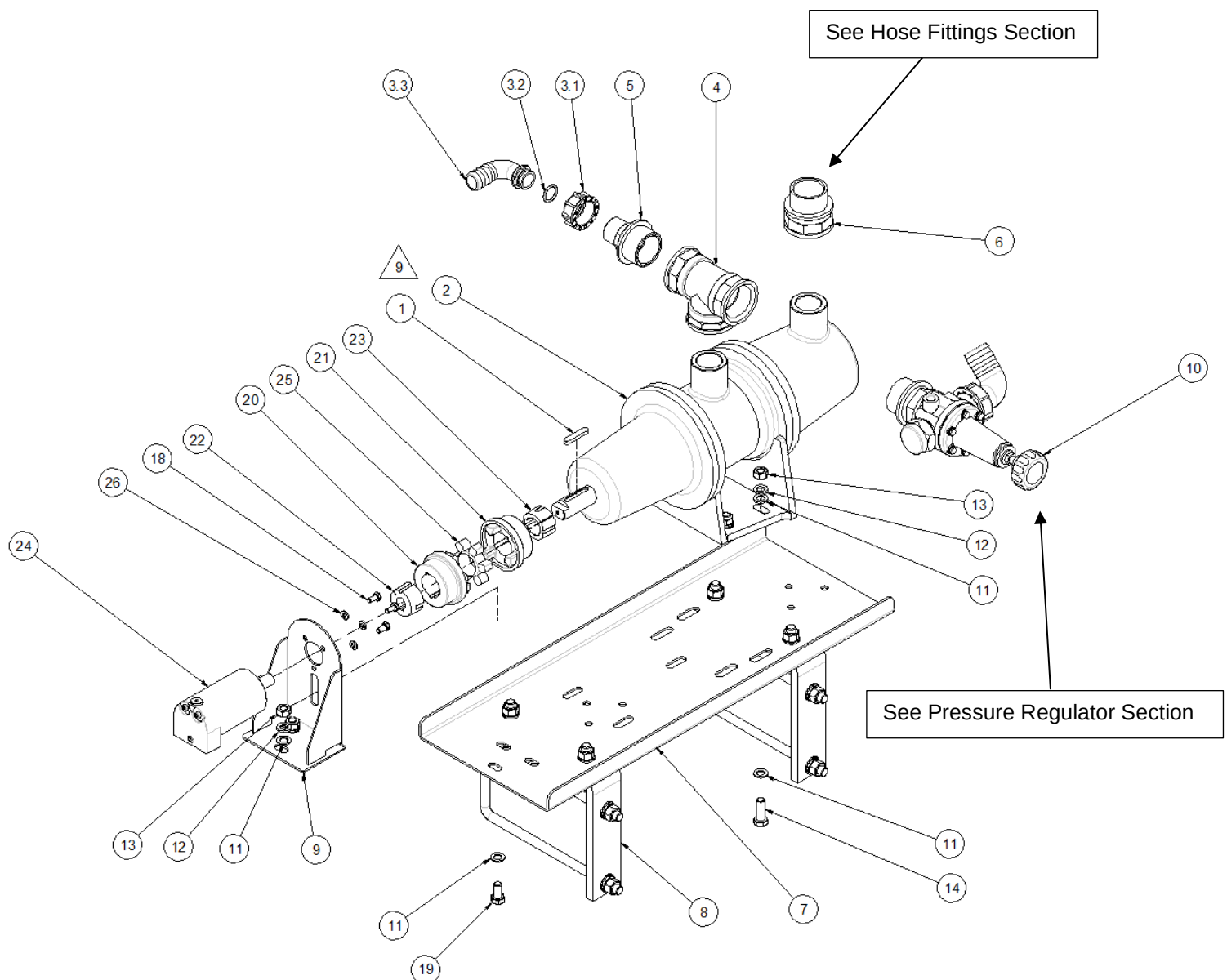
9.2 Liquid Metering Pumps

9.2.a CP800 Liquid Pump Assembly



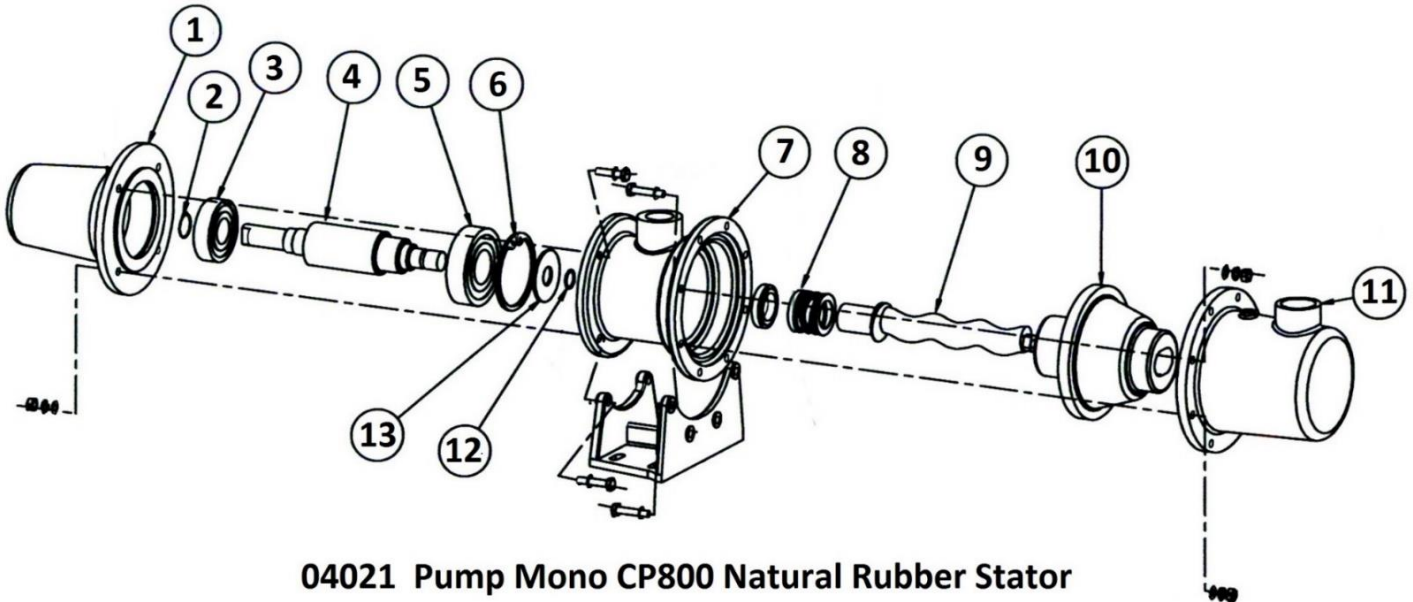
Item #	Qty	Part #	Description
All	1	08950	PUMP CP800 ASSY c/w RELIEF VALVE – (U Bolt Type)
	1	15292	PUMP CP800 ASSY c/w RELIEF VALVE - (Bolt On Except Item 8)
1	1	31165	KEY SHAFT 8 x 5 x 41 LG RD ENDS
2	1	04021	PUMP CP800
3	1	04209	HOSETAIL ELBOW 1" BSP x 25mm HOSE VITON O-RING
3.1	1	04146	FLYNUT 1 BSP PP
3.2	1	09285	O-RING
3.3	1	04210	HOSETAIL ELBOW 90deg 1 BSP x 25
4	1	04212	TEE 1 ½" BSP
5	1	04215	NIPPLE REDUCING 1 ½ BSP x 1" BSP-PP
6	1	04363	MALE FEMALE COUPLER SYMMETRICAL 1 ½"
7	1	06939	PUMP MOUNTING PLATE
8	2	07979	PUMP MOUNT CP800
		06971	PUMP BASE PLATE BRACKET
		07611	U-BOLT SET M12 x 235mm SS c/w NUTS & WASHERS
9	1	08367	MOTOR MOUNT CP800
10	1	08949	PRESSURE RELIEF VALVE 1 ¼" x 1 ¼" ASSY

11	14	09097	WASHER FLAT M10 SS
12	7	09098	WASHER SPRING M10 SS
13	7	09099	NUT M10 SS
14	4	09100	BOLT M10 x 30mm SS
15	4	09107	NUT M12 SS
16	4	09117	WASHER SPRING M12 SS
17	4	09121	BOLT M12 x 35mm SS
18	3	09144	BOLT M6 x 12mm SS
19	3	09252	BOLT M10 x 20mm SS
20	1	09339	COUPLING TAPERED FROM REAR HRC70F
21	1	09340	COUPLING TAPERED FROM CENTRE HRC70H
22	1	09345	TAPER LOCK COLLET SUIT MOTOR 16mm SHAFT HRC70
23	1	09347	TAPER LOCK COLLET SUIT PUMP 24mm SHAFT HRC70
24	1	09350	MOTOR 12.5cc
25	1	09374	COUPLING ELEMENT SUIT HRC70
26	3	09417	WASHER SPRING M6 SS
27	4	09541	BOLT M12 x 25mm SS
28	4	09108	WASHER FLAT M12 SS



9.2.b CP800 Liquid Pump Parts

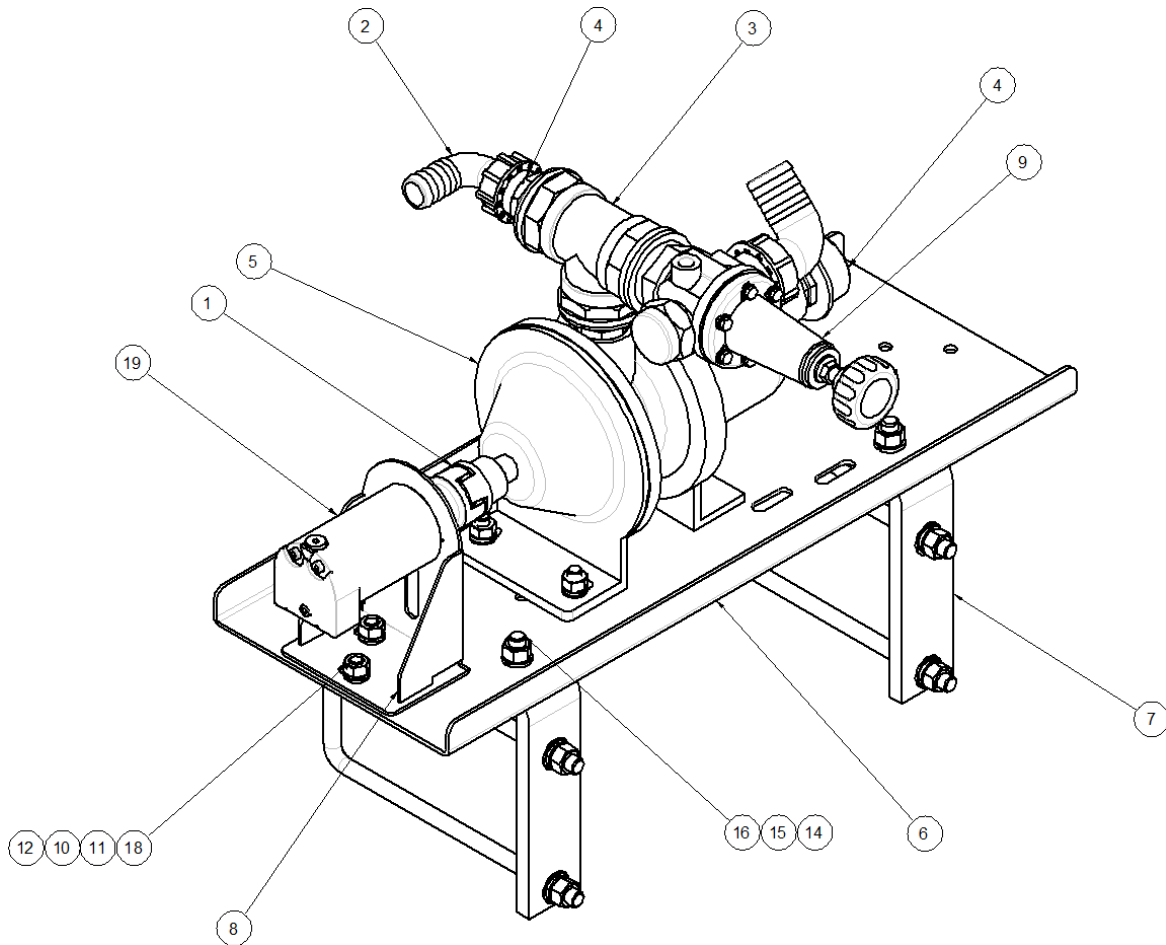
Pump Mono CP800 Parts



04021 Pump Mono CP800 Natural Rubber Stator

Item #	Qty	Part #	Description
1	1	08598	CP800 BEARING HOUSING
2	1	08595	CP800 CIRCLIP OUTER
3	1	08594	CP800 OUTER BEARING
4	1	08846	CP800 DRIVE SHAFT
5	1	08593	CP800 INNER BEARING
6	1	08113	CP800 CIRCLIP INNER
7	1	08660	CP800 BODY
8	1	04603	CP800 MECHANICAL SEAL
9	1	08848	CP800 ROTOR SS
10	1	04665	CP800 NATURAL RUBBER STATOR
		04664	CP800 NATURAL NITRILE STATOR
11	1	08668	CP800 END COVER
12	1	08661	CP800 ROTOR TO COUPLING O RING
13	1	08592	CP800 THROWER

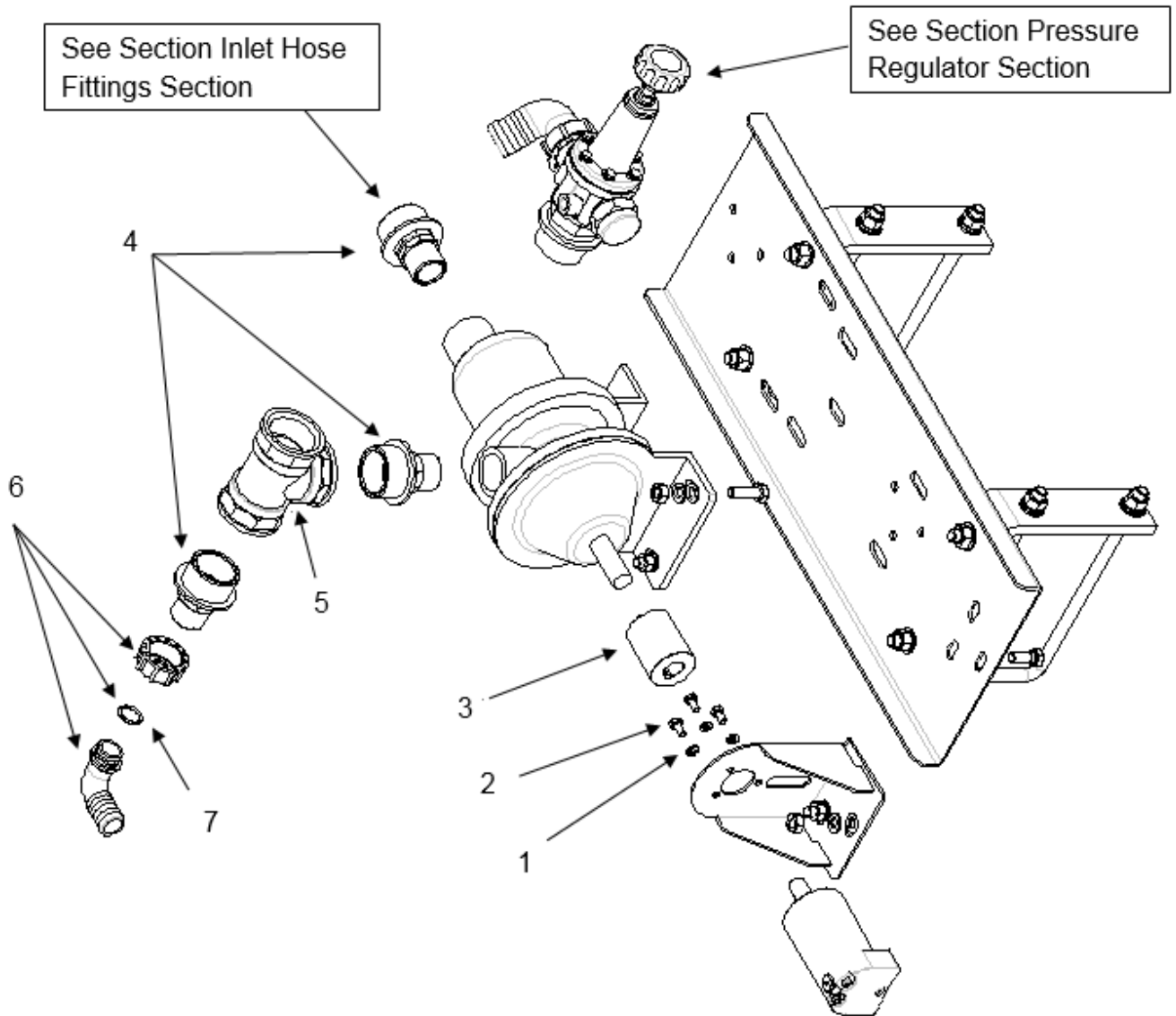
9.2.c CP25 Liquid Pump Assembly



CP25 sized pumps are used on small bars and bins, generally for M6000, M9000 and M12000 bins for bars up to D260-42 and D300-40.

Item #	Qty	Part #	Description
All	1	12345	PUMP CP25 ASSY
1	1	04123	DRIVE COUPLING
2	1	04209	HOSE TAIL ELBOW 1" BSP x 25mm c/w VITON O RING
3	1	04212	TEE 1 ½" BSP
4	3	04215	NIPPLE REDUCING 1 ½" TO 1"
5	1	04670	PUMP CP25 – Nitrile Stator
		04020	PUMP CP25 – Viton Stator
6	1	06939	PUMP MOUNTING PLATE
7	2	07979	PUMP MOUNTING BRACKET ASSY
8	1	08368	MOTOR MOUNT CP25
9	1	08949	PRESSURE RELIEF VALVE 1 1/4" x 1 1/4" ASSY
10	12	09097	WASHER FLAT M10 SS
11	6	09098	WASHER SPRING M10 SS
12	6	09099	NUT M10 SS
13	3	09100	BOLT M10 x 30mm SS
14	4	09107	NUT M12 SS
15	4	09117	WASHER SPRING M12 SS
16	4	09121	BOLT M12 x 35mm SS
17	3	09144	BOLT M6 x 12mm SS
18	3	09252	BOLT M10 x 20mm SS
19	1	09294	HYD MOTOR 8 cc
20	3	09417	WASHER SPRING M6 SS

9.2.d CP25 Liquid Pump Parts



Item #	Qty	Part #	Description
1	3	09417	WASHER SPRING M6 SS
2	3	09144	BOLT M6 x 12mm SS
3	1	04123	COUPLING FLEX DRIVE 16/19mm
4	3	04215	NIPPLE REDUCING 1 ½" TO 1"
5	1	04212	TEE 1 ½" BSP
6	1	04209	HOSETAIL ELBOW 1" BSP x 25mm HOSE VITON O-RING
7	1	09285	O-RING

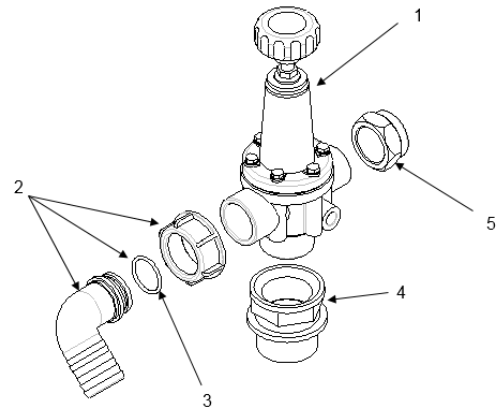
Bearings used on CP25 pump assy:

#35633 Inner Bearing CP25 (20IDx47ODx14W)

#35634 Outer Bearing CP25 (20IDx52ODx15W)

Use Loctite Pipe Sealant 5331 (Part # 18118) on ALL threaded fittings. Do not use on hose tails equipped with O-rings.

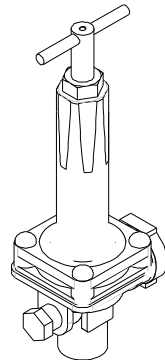
9.2.e Liquid Pump Pressure Regulator 1 ¼" - CP800 & CP25



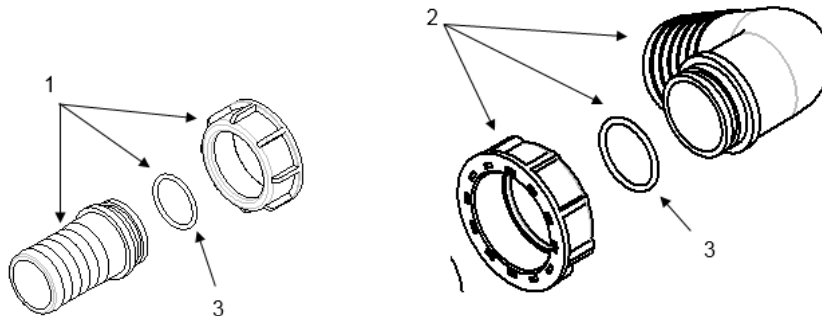
Item #	Qty	Part #	Description
All	1	08949	PRESSURE RELIEF VALVE 1 ¼ x 1 ¼" ASSY
1	1	04366	PRESSURE RELIEF VALVE 1 ¼ x 1 ¼"
2	1	04177	HOSETAIL 1 ¼" BSPF x 32mm HOSE-PP-FLOATING NUT
3	1	09292	O-RING 26.7 x 2.6mm VITON
4	1	04688	REDUCER 1 ½ M x 1 ¼" F
5	1	04258	CAP 1" BSPF

9.2.f Liquid Pump Pressure Regulator ¾"

Some machines have been fitted with a ¾ x ¾" pressure regulator Part # 04604 as shown.

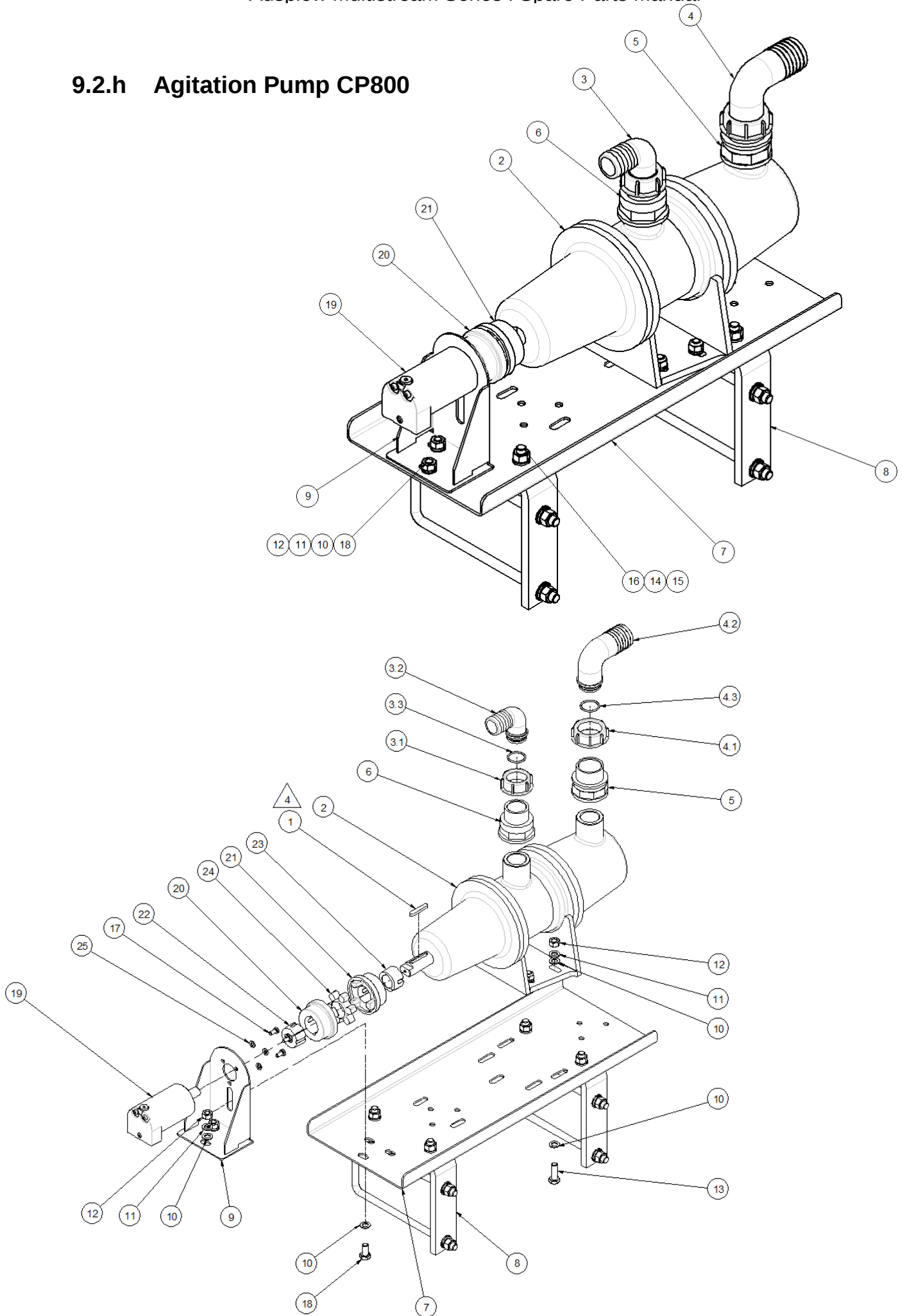


9.2.g Liquid Pump Inlet Hose Fittings - CP800 & CP25



Item #	Qty	Part #	Description
1	1	04183	HOSETAIL ASSY 1 ½" x 38mm
2	1	04184	HOSETAIL ASSY ELBOW 1 ½"x 38mm
3	1	09588	O-RING SUIT 38mm HOSETAIL

9.2.h Agitation Pump CP800



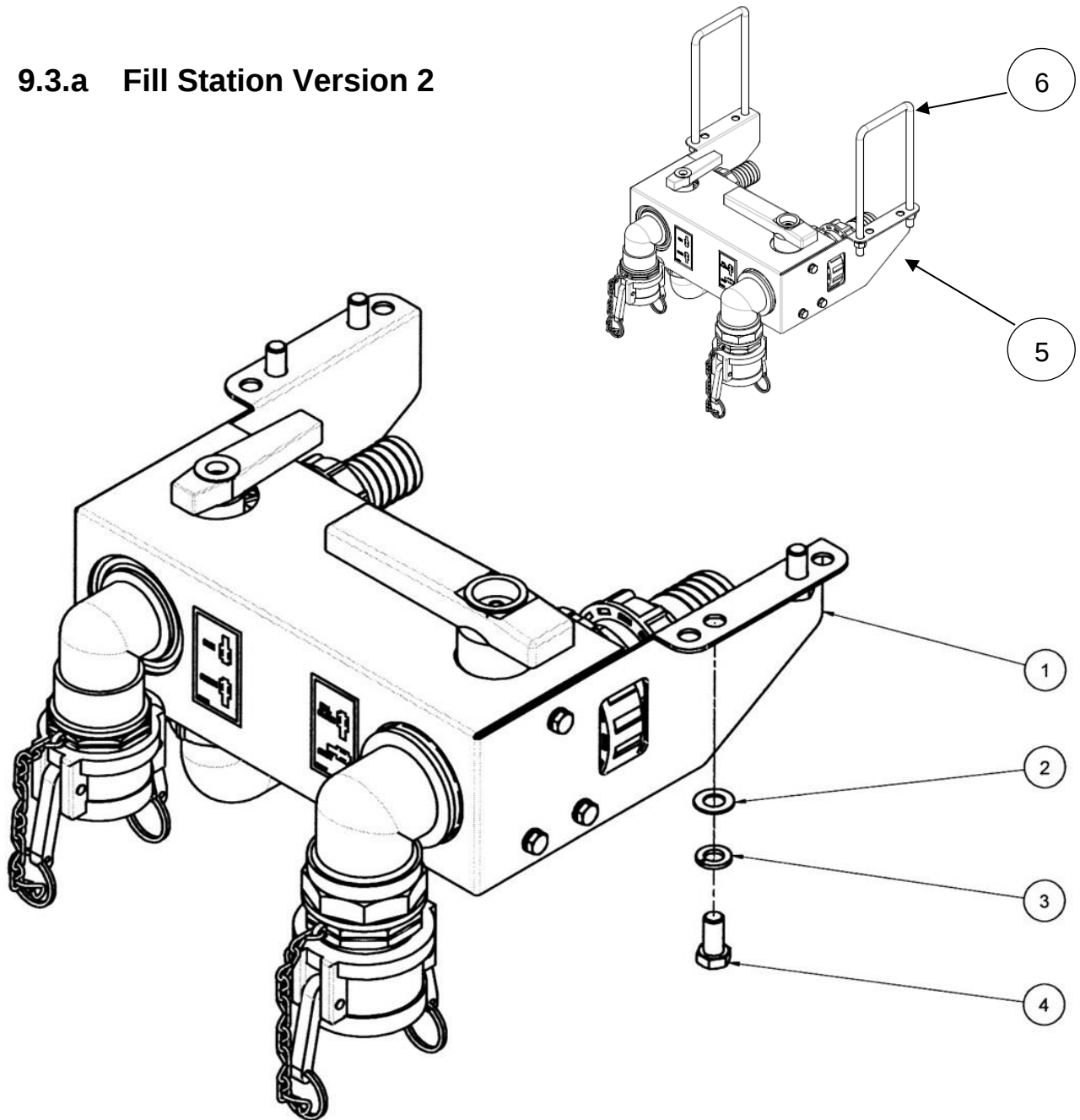
Ausplow Multistream Series I Spare Parts Manual

Item #	Qty	Part #	Description
All	1	12531	AGITATION PUMP ASSY CP800
1	1	31165	KEY SHAFT 8 x 5 x 41 LG RD ENDS
2	1	04021	PUMP CP800
3	1	04177	HOSETAIL 1 ¼" BSPF x 32mm Hose
3.1	1	04179	FLYNUT 1 ¼ BSP
3.2	1	04181	HOSETAIL ELBOW
3.3	1	09292	O-RING 26.7 x 2.6 VITON
4	1	04184	HOSETAIL 1 ½" BSP
4.1	1	04185	FLYNUT 1 ½" BSP
4.2	1	04187	HOSETAIL ELBOW
4.3	1	09588	O-RING 29.2 x 3.0mm VITON
5	1	04363	MALE FEMALE COUPLER 1 1/2"
6	1	05800	COUPLER REDUCING F/M 1 ½" BSPF x 1 ¼" BSPM
7	1	06939	PUMP MOUNTING PLATE
8	2	07979	PUMP MOUNT CP800
		06971	PUMP BASE PLATE BRACKET
		07611	U-BOLT SET M12 x 235mm SS c/w NUTS & WASHERS
9	1	08367	MOTOR MOUNT CP800
10	14	09097	WASHER M10 SS
11	7	09098	WASHER SPRING M10 SS
12	7	09099	NUT M10 SS
13	4	09100	SCREW HEX M10 x 30mm SS
14	4	09107	NUT M12 SS
15	4	09117	WASHER SPRING M12 SS
16	4	09121	SCREW HEX M12 x 35mm SS
17	3	09144	SCREW HEX M6 x 12 SS
18	3	09252	SCREW HEX M10 x 20mm SS
19	1	09294	HYDRAULIC MOTOR OMM 8cc (was 12.5cc #09350)
20	1	09339	DRIVE COUPLING HRC70F
21	1	09340	DRIVE COUPLING HRC70H
22	1	09345	TAPER LOCK COLLET 16mm HRC70
23	1	09347	TAPER LOCK COLLET 24mm HRC70
24	1	09374	COUPLING ELEMENT HRC70
25	3	09417	WASHER SPRING M6 SS

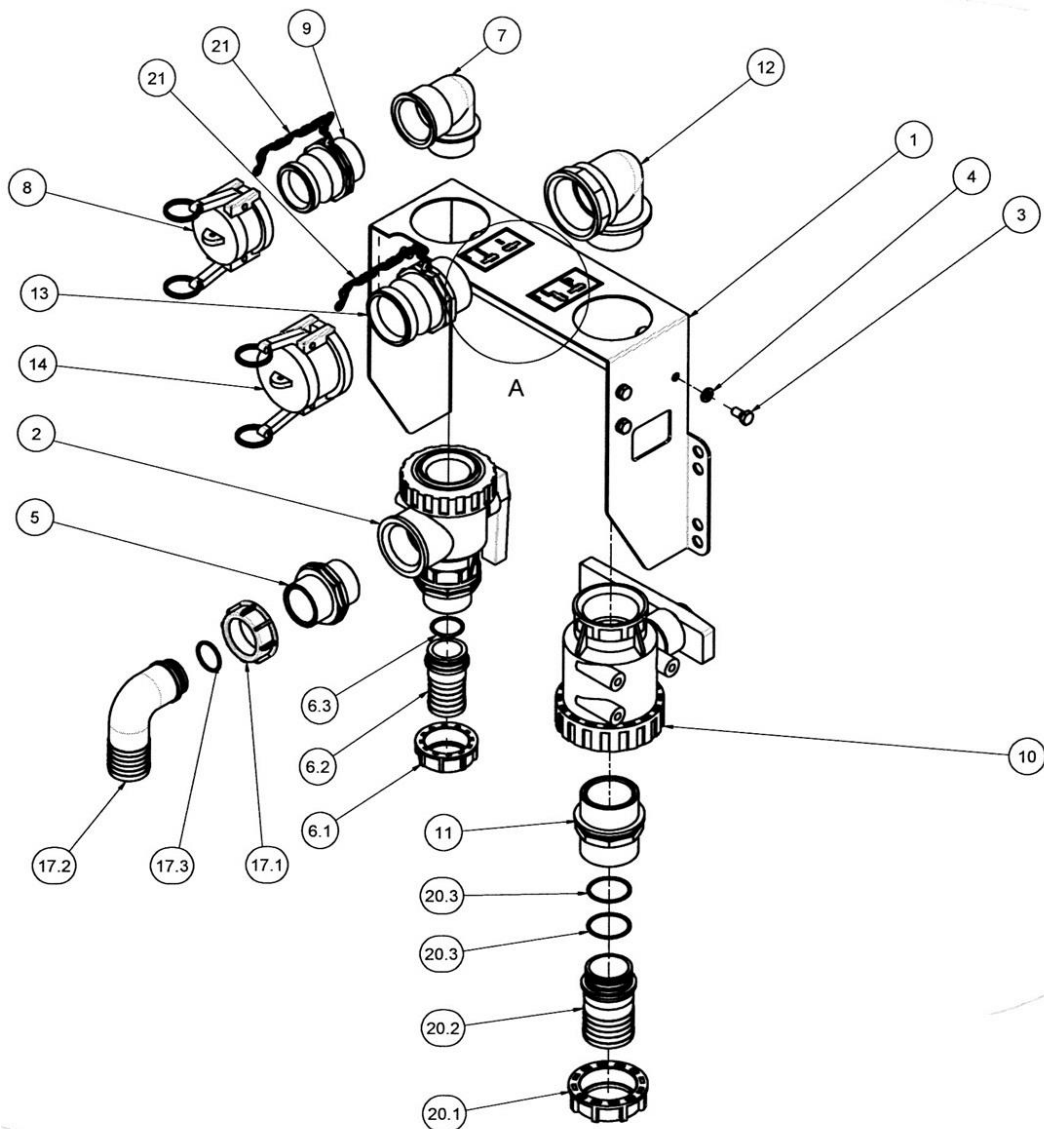
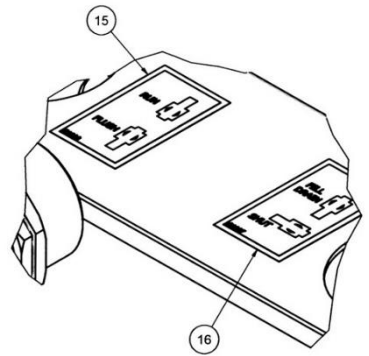
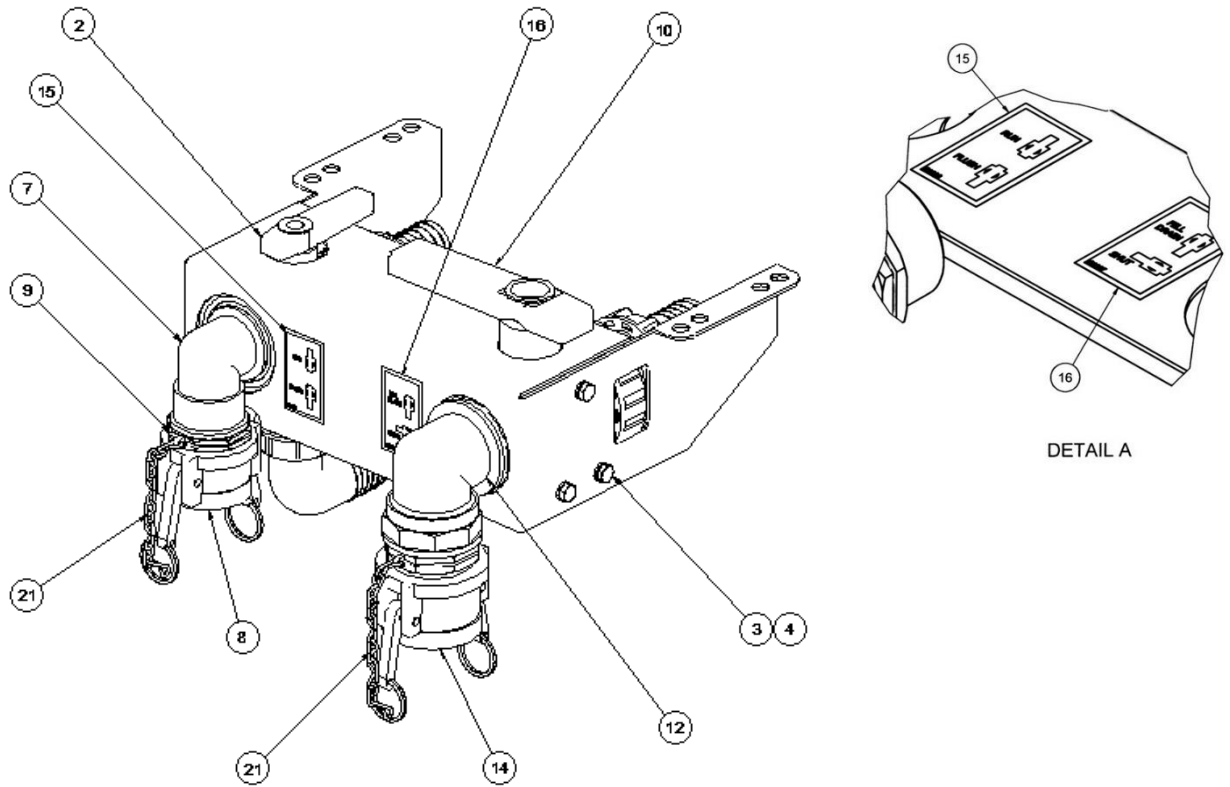
Note: in 2015 Agitation pump was changed to 8cc to speed up agitation. Use Loctite Pipe Sealant 5331 (Part # 18118) on ALL threaded fittings. Do not use on hose tails equipped with O-rings.

9.3 Fill Station

9.3.a Fill Station Version 2



Item #	Qty	Part #	Description
1 to 4	1	15189	FILL STATION BOLT ON c/w BOLTS
1	1	14171	FILL STATION ASSEMBLY VERSION 2 BOLT ON
2	4	09108	WASHER FLAT M12 SS
3	4	09117	WASHER SPRING M12 SS
4	4	09541	BOLT M12 x 25mm SS - Bolt On Type
5	1	08947	FILL STATION c/w U BOLTS - Older Type
6	2	07611	U BOLT SET M12 x 103 x 235mm SS

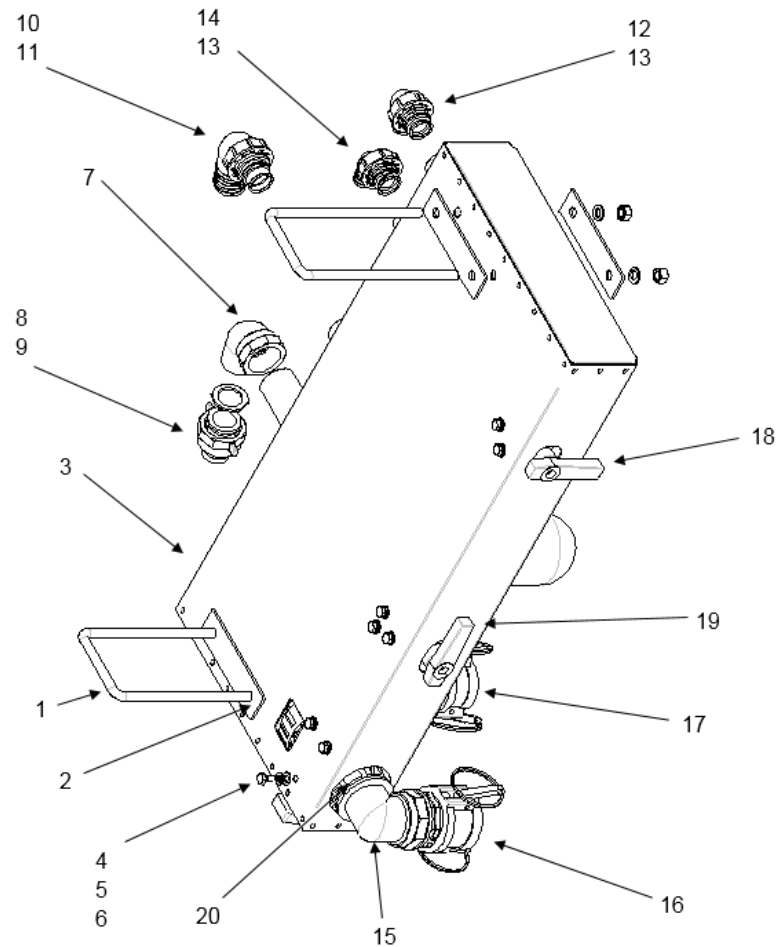


Fill Station Version 2

Item #	Qty	Part #	Description
All	1	14171	FILL STATION ASSEMBLY VERSION 2 BOLT ON
1	1	08357	FILL & FLUSH VALVE BRACKET
2	1	04167	BALL VALVE 1 ½" BSP - 3WAY
3	6	09111	SET SCREW M8 x 16mm SS
4	6	09105	WASHER SPRING M8 SS
5	2	04172	NIPPLE 1 ½" BSP
6	1	04183	HOSETAIL 1 ½" BSP x 38mm VITON O-RING
6.1	1		FLYNUT 1 ½" BSP
6.2	1		HOSETAIL x 38mm HOSE
6.3	1	09287	O-RING 29.8 x 2.6mm VITON
7	1	04192	ELBOW 90 DEG 1 ½" BSPF x BSPM
8	1	04202	CAMLOCK DUSTCAP 1 ½"
9	1	04196	CAMLOCK ADAPTOR 1 ½M x 1 ½" BSPM
10	1	04169	BALL VALVE 2" BSP - 2 WAY
11	1	04191	NIPPLE 2" BSP
12	1	04198	ELBOW 90 DEG BSPF x 2" BSPM
13	1	04197	CAMLOCK ADAPTOR 2M x 2" BSPM
14	1	04203	CAMLOCK DUST CAP 2"
15	1	04686	DECAL "RUN/FLUSH" 40 x 70mm
16	1	04687	DECAL "FILL-DRAIN/SHUT" 40 x 70mm
17	1	04184	HOSETAIL 1 ½" BSP x 38mm c/w VITON O-RING
17.1	1		FLYNUT 1 ½" BSP
17.2	1		HOSETAIL ELBOW
17.3	1	09287	O-RING 29.8 x 2.6mm VITON
20	1	04193	HOSETAIL 2" BSP x 50mm HOSE c/w VITON O-RING
20.1	1		FLYNUT 2" BSP
20.2	1		HOSETAIL 2" BSP
20.3	2	09293	O-RING 30 x 2.6mm VITON
21	2	25244	CHAIN JACK 2.5 x 160mmLG SS

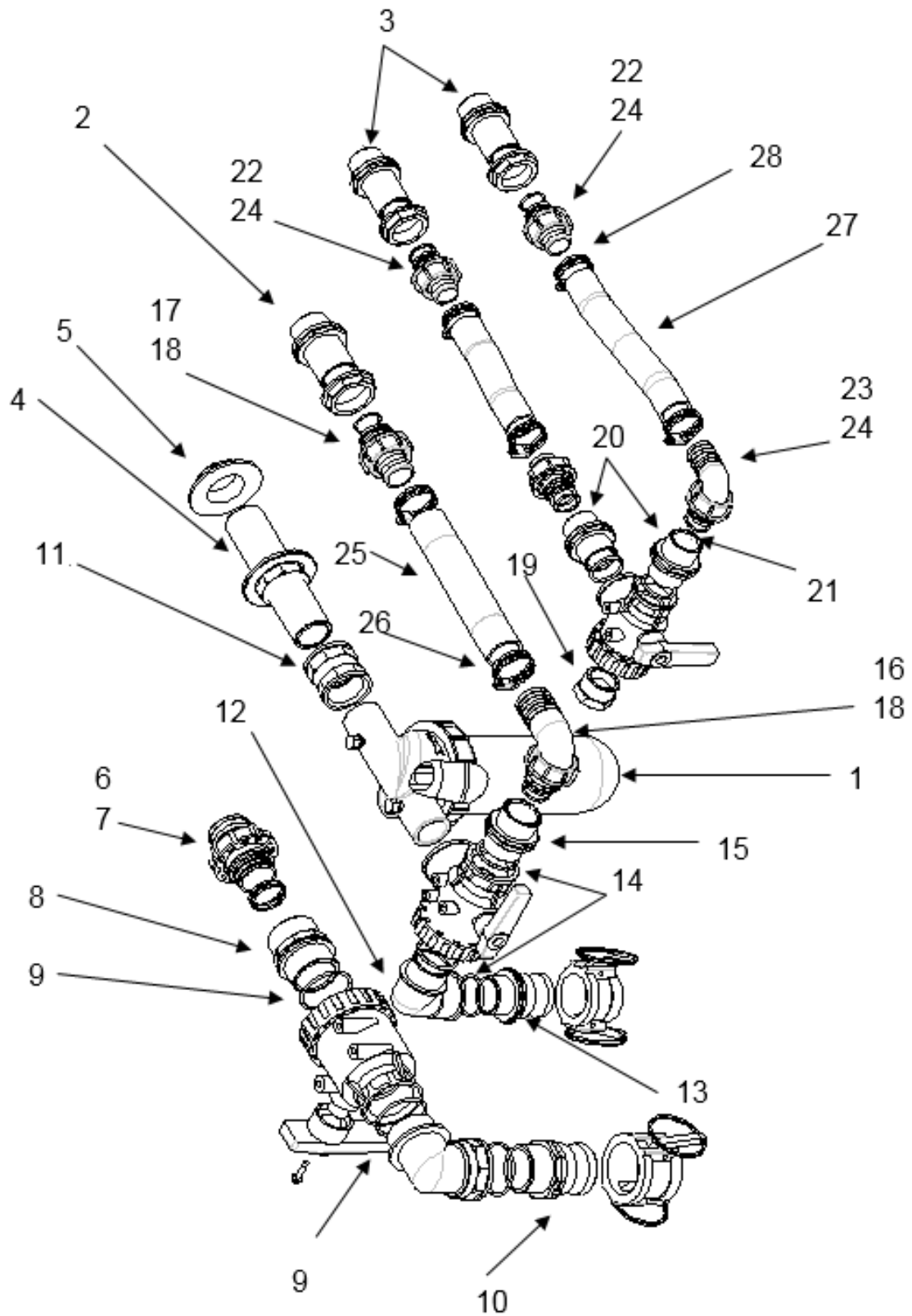
Use Loctite Pipe Sealant 5331 (Part # 18118) on ALL threaded fittings. Do not use on hose tails equipped with O-rings.

9.3.b Fill Station Assembly Version 1



Item #	Qty	Part #	Description
All	BSO	07872	CONTROL BOX - V1
1	2	07611	U-BOLT SET M12 x 235mm LG SS
2	4	07861	WASHER PLATE
3	1	07865	CONTROL VALVE HOUSING
4	8	09111	SETSCREW M8 x 16mm SS
5	8	09105	WASHER SPRING M8 SS
6	8	09106	WASHER FLAT M8
7	1	04192	ELBOW 90 DEG 1 1/2 M x 1 1/2 F
8	1	04201	HOSETAIL ASSY 1 1/2 x 38mm
9	1	04200	GASKET REPLACEMENT SUIT 04201 HOSETAIL
10	2	04184	HOSETAIL ELBOW ASSY 1 1/2 x 38mm
11	2	09287	O-RING SUIT 1 1/2 HOSETAIL
12	2	04177	HOSETAIL ELBOW ASSY 1 1/4 x 32mm
13	3	09292	O-RING SUIT 1 1/4 HOSETAIL
14	1	04178	HOSETAIL ELBOW ASSY 1 1/4 x 25mm
15	1	04198	ELBOW 90 DEG 2" F x 2" M
16	1	04203	CAMLOCK DUSTCAP ASSY 2"
17	1	04202	CAMLOCK DUSTCAP ASSY 1 1/2"
18	1	04153	BALL VALVE 1 1/4" - 3 WAY
19	1	04167	BALL VALVE 1 1/2" - 3 WAY
20	1	04169	BALL VALVE 2" - 2 WAY

9.3.c Fill Station Parts Version 1

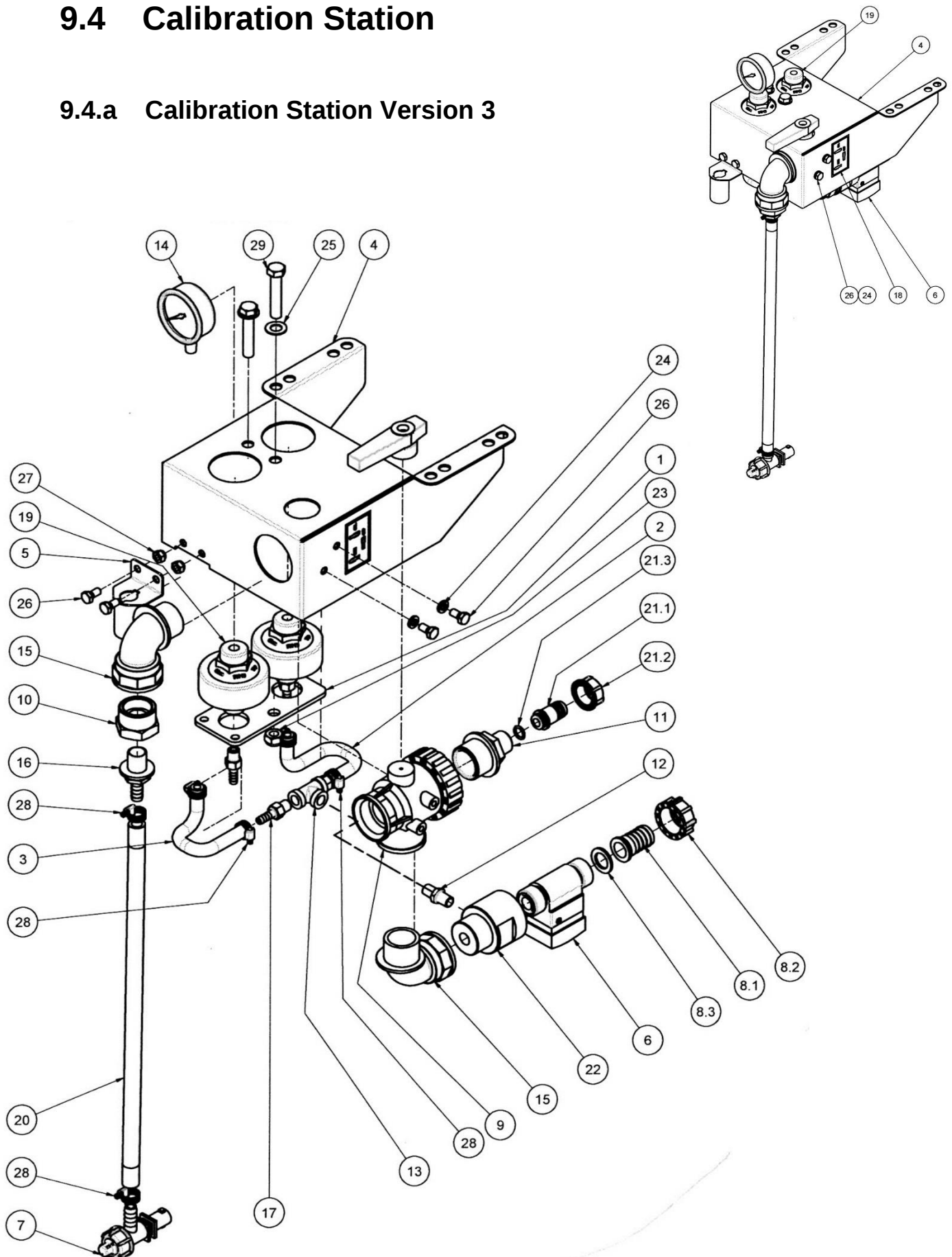


Fill Station Parts Version 1

Item #	Qty	Part #	Description
1	1	04129	SUCTION FILTER 1.5" - 40#
NS	1	04128	O-RING SUIT SUCTION FILTER BODY
NS	1	04279	YELLOW FILTER INSERT 80 MESH
2	1	04170	NIPPLE ASSY BULKHEAD 1 ½" BSP
3	2	04173	NIPPLE ASSY BULKHEAD 1 ¼" BSP
4	1	04189	RISER 1 ½ x 8"
5	2	04137	NUT SUIT 1 ½" RISER
6	1	04193	HOSETAIL ASSY 2" x 50mm BSPF
7	2	09293	O-RING SUIT 2" HOSETAIL
8	1	04191	NIPPLE 2" SYMETRICAL BSP
9	3	09290	O-RING SUIT 2" NIPPLE
10	1	04197	CAMLOCK ADAPTOR 2"M x 2"M
11	1	04188	SOCKET 1 ½"x 55mm
12	1	04192	ELBOW 90 1 ½" F x M BSP
13	1	04196	CAMLOCK ADAPTOR 1 ½ M x 1 ½"M
14	3	09289	O-RING SUIT 1 ½" NIPPLE
15	1	04172	NIPPLE 1 ½" SYMETRICAL BSP
16	2	04184	HOSETAIL ELBOW 90 DEG ASSY 1 ½" x 38mm
17	1	04183	HOSETAIL ASSY 1 ½"x 38mm BSP
18	2	09287	O-RING SUIT 1 ½" HOSETAIL
19	1	04190	PLUG 1 ¼" BSP
20	2	04175	NIPPLE 1 ¼" SYMETRICAL
21	2	09288	O-RING SUIT 1 ¼" NIPPLE
22	3	04176	HOSETAIL ASSY 1 ¼" x 32mm BSP
23	2	04177	HOSETAIL ELBOW ASSY 1 ¼" x 32mm
24	4	09292	O-RING SUIT 1 ¼" HOSETAIL
NS	AR	05567	HOSE 50mm ID SPECIFY LENGTH
NS	AR	09087	CLAMP SUIT 50mm HOSE SS
25	AR	05566	HOSE 38mm ID SPECIFY LENGTH
26	AR	09008	CLAMP SUIT 38mm HOSE
27	AR	10881	HOSE DELIVERY 32mm ID SPECIFY LENGTH
28	AR	09086	CLAMP SUIT 32mm HOSE

9.4 Calibration Station

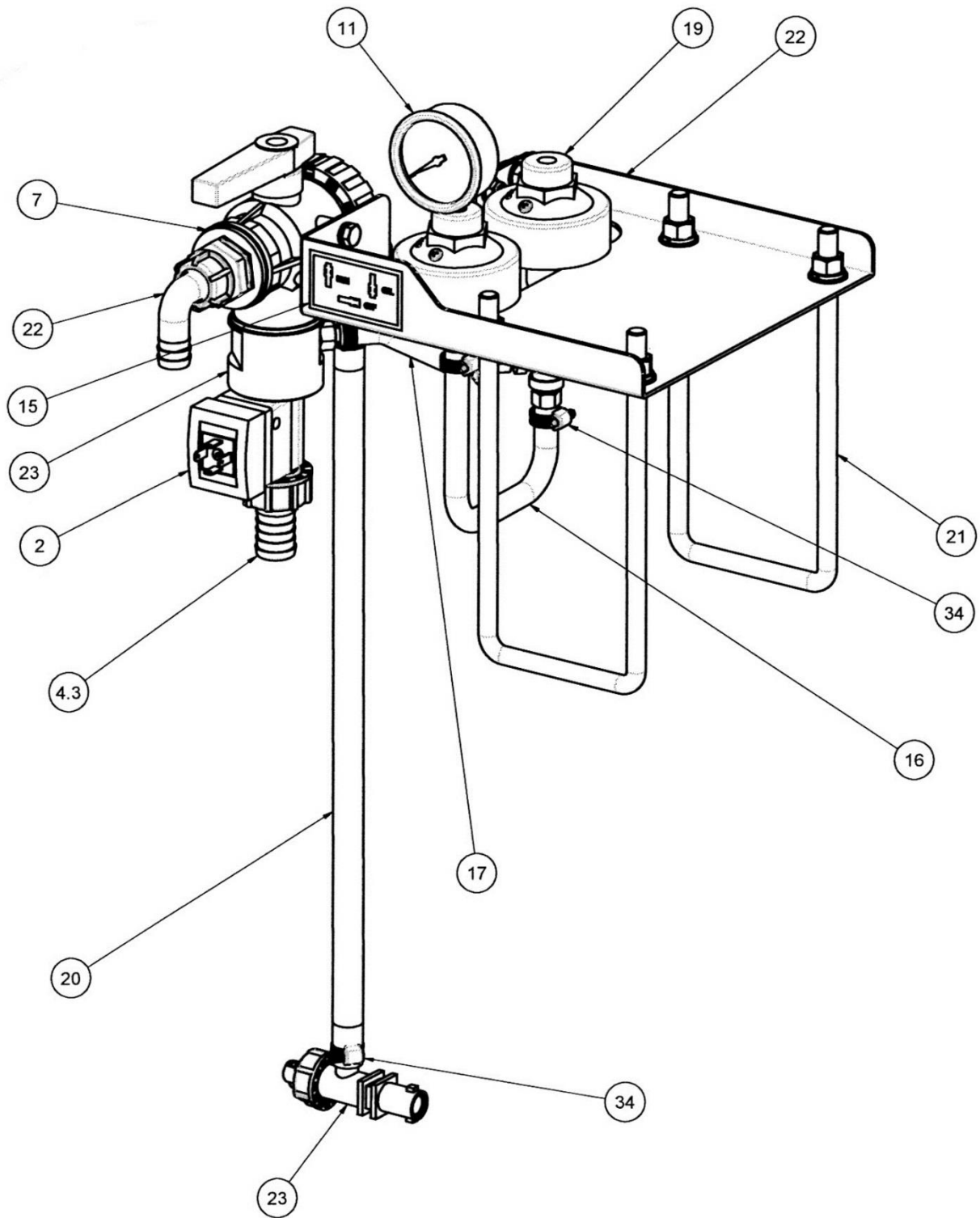
9.4.a Calibration Station Version 3

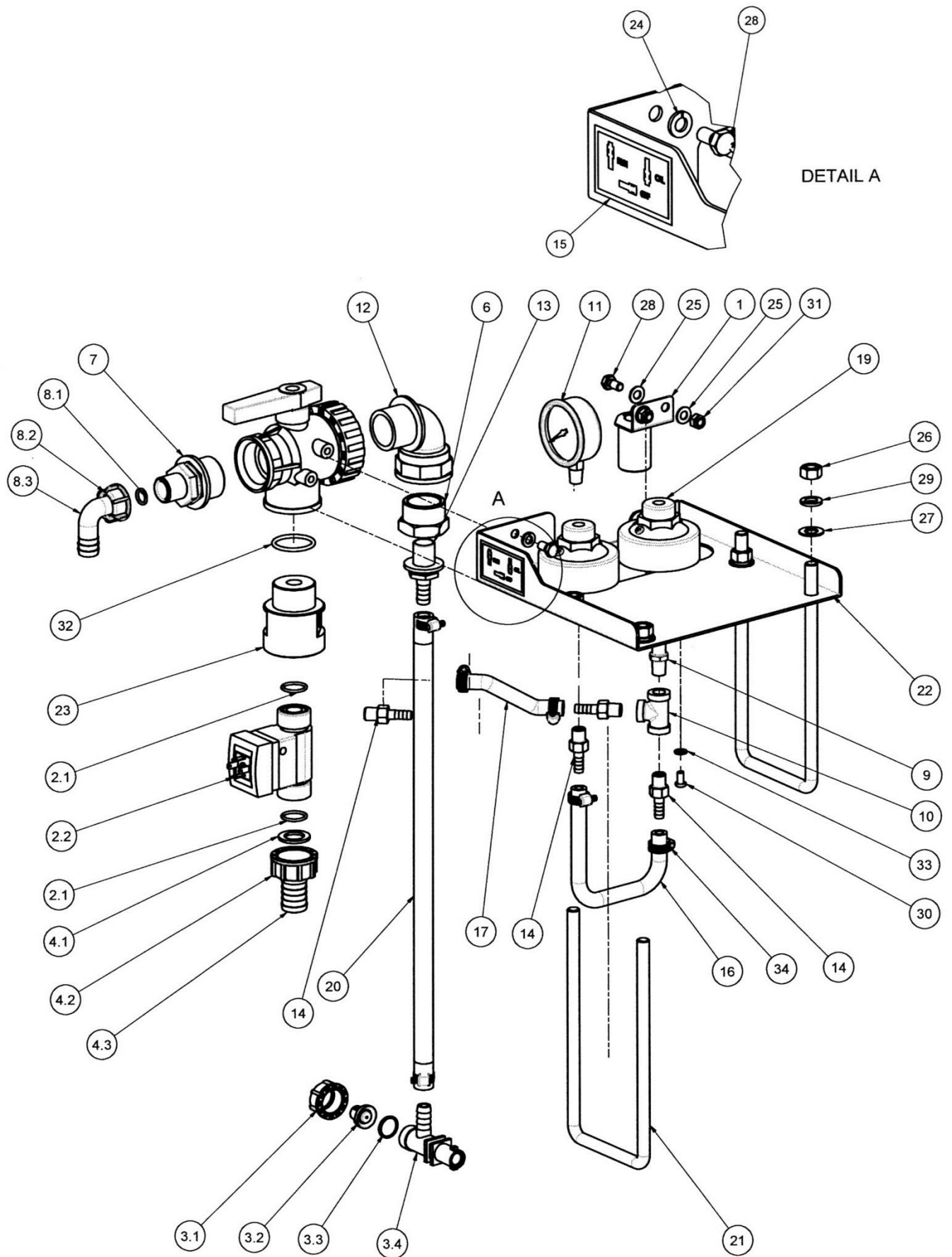


Calibration Station Version 3

Item #	Qty	Part #	Description
All	1	15080	SINGLE CALIBRATION STATION - BOLT ON
1	1	14090	GAUGE PROTECTION MOUNT
2	1	14429	HOSE 8mmID x 200mmLG - Chemical resistant
3	1	14430	HOSE 8mmID x 190mmLG - Chemical resistant
4	1	15081	SINGLE CALIBRATION STATION BRACKET - BOLT ON
5	1	15083	CALIBRATION NOZZLE CLIP ASSEMBLY
6	1	04019	FLOW METER
7	1	04028	NON DRIP NOZZLE HOLDER ½" SINGLE
8	1	04149	HOSETAIL 1" BSP x 25mm HOSE VITON WASHER
8.3	1	04150	GASKET 31 x 20 x 2.5mm VITON
9	1	04152	BALL VALVE 1 ¼" BSP - 3 WAY
10	1	04156	BUSH REDUCING 1 ¼" BSPT x ¾" BSPT
11	1	04159	NIPPLE REDUCING 1 ¼" BSP x ¾" BSP
12	1	04222	NIPPLE ¼" BSP SS
13	1	04225	TEE ¼" BSP
14	1	04226	PRESSURE GAUGE 0-25 Bar
15	2	04259	ELBOW 90 DEG 1 ¼" BSPF x BSPM
16	1	04380	HOSETAIL ¾" BSPM x 12mm HOSE
17	4	04675	HOSETAIL STRAIGHT ¼" BSP x 8mm HOSE SS
18	1	04676	DECAL "RUN" 70 x 40mm
19	2	04682	GAUGE PROTECTOR BLEED SCREW TAPPED
20	1	04683	HOSE 12mmID x 500mmLG - Chemical Resistant
21	1	04702	HOSETAIL ¾" x 19mm HOSE VITON O-RING
21.3	1	09369	O-RING 13.1 x 2.5mm VITON
22	1	08369	FLOW METER ADAPTOR 1 ¼"M x 1"F x ¼"F BSP
23	2	09053	NUT M12 SS Nylock
24	2	09105	WASHER SPRING M8 SS
25	2	09108	WASHER FLAT M12 SS
26	4	09111	BOLT M8 x 16mm SS
27	2	09277	NUT M8 SS Nylock
28	6	09517	HOSE CLAMP 9-17mm SS
29	2	09540	BOLT M12 x 60mm SS
NS	1	04286	LIQUID PRESSURE TRANSDUCER - Topcon X20
NS	1	15761	LIQUID PRESSURE TRANSDUCER - Trimble
NS	1	06041	LIQUID PRESSURE TRANSDUCER - JD (Greenstar)
NS	1	04227	LIQUID PRESSURE TRANSDUCER - Farmscan

9.4.b Calibration Station Version 2



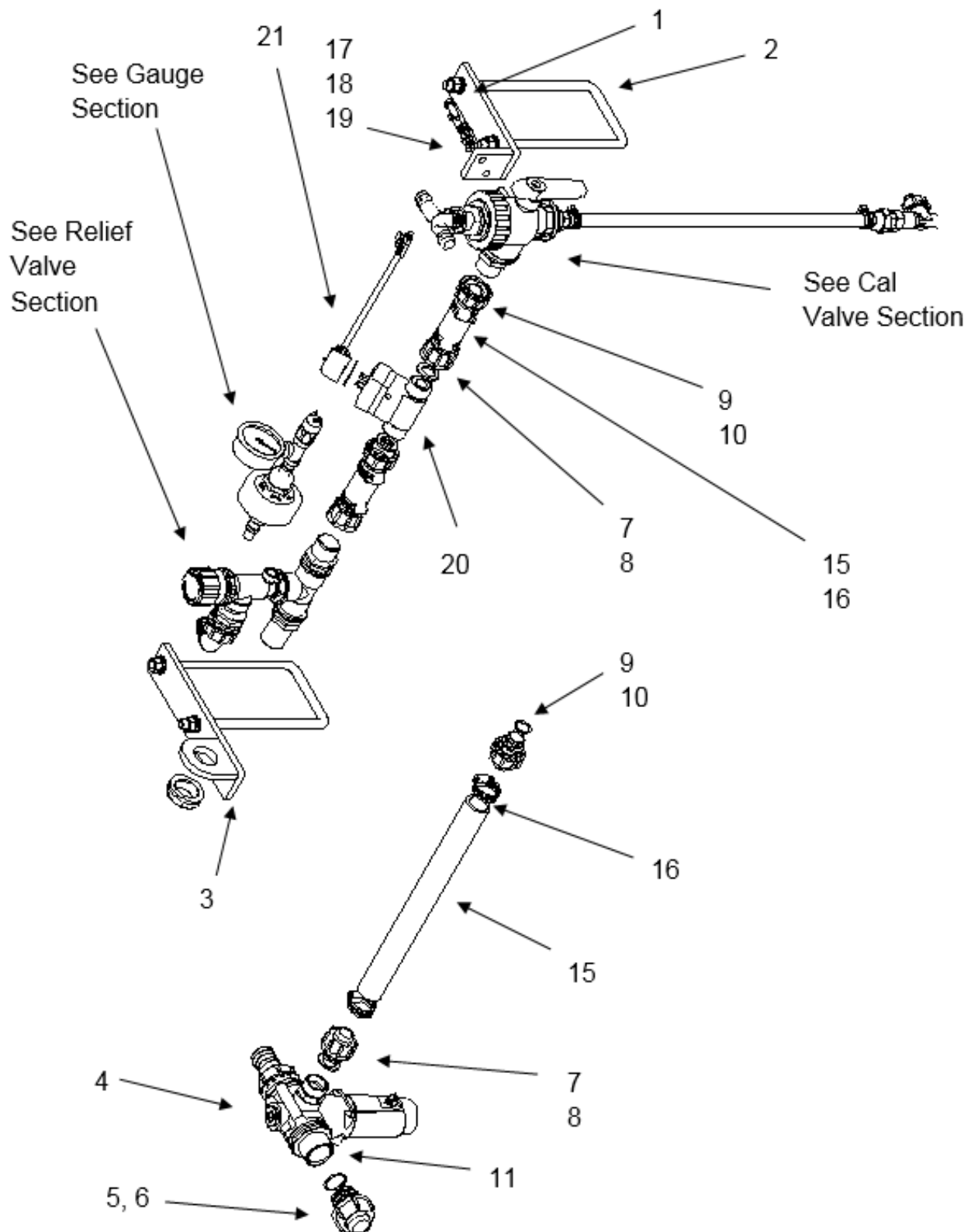


NOTE:
USE O-RINGS (GP-52-9373) SUPPLIED WITH FLOW METER DN-03-4019

Calibration Station Version 2

Item #	Qty	Part #	Description
All	1	08945	CALIBRATION VALVE ASSY
1	1	15083	CALIBRATION NOZZLE CLIP ASSY
2	1	04019	FLOW METER
3	1	04028	NON DRIP NOZZLE HOLDER
4	1	04149	HOSETAIL 1" BSP x 25mm HOSE
5	1	04152	BALL VALVE 1 ¼" BSP - 3 WAY
6	1	04156	BUSH REDUCING 1 ¼ BSP x ¾" BSP
7	1	04159	NIPPLE REDUCING 1 ¼ BSP x ¾" BSP
8	1	04164	HOSETAIL ELBOW ¾" BSP x 19mm HOSE
9	1	04222	NIPPLE ¼" BSP SS
10	1	04225	TEE ¼" BSP
11	1	04226	PRESSURE GAUGE 0-25 BAR
12	1	04259	ELBOW 90 DEG 1 ¼" BSPF x BSPM
13	1	04380	HOSETAIL ¾" BSPM x 12mm HOSE
14	4	04675	HOSETAIL STRAIGHT ¼ BSP x 8mm HOSE SS
15	1	04676	DECAL "RUN" 70 x 40mm
16	1	04677	HOSE 8 ID x 280mm LG - Chemical Resistant
17	1	04678	HOSE 8 ID x 105mm LG - Chemical Resistant
19	2	04682	GAUGE PROTECTOR BLEED SCREW
20	1	04683	HOSE 12 ID x 500mm LG - Chemical Resistant
21,26,27,29	2	07611	U BOLT SET M12 x 103 x 235mm SS
22	1	08356	CALIBRATION VALVE BRACKET
23	1	08369	FLOW METER ADAPTOR 1 ¼ M x 1F x ¼" F BSP
24	2	09105	WASHER SPRING M8 SS
25	4	09106	WASHER FLAT M8 SS
26	4	09107	NUT M12 SS
27	4	09108	WASHER FLAT M12 SS
28	4	09111	BOLT M8 x 16mm SS
29	4	09117	WASHER SPRING M12 SS
30	6	09276	BOLT BUTTON HEAD M6 x 12mm SS
31	2	09277	NUT M8 SS Nylock
32	1	09288	O-RING 37.7 x 3.5mm
33	6	09417	WASHER SPRING M6 SS
34	6	09517	HOSE CLAMP 9-17mm SS

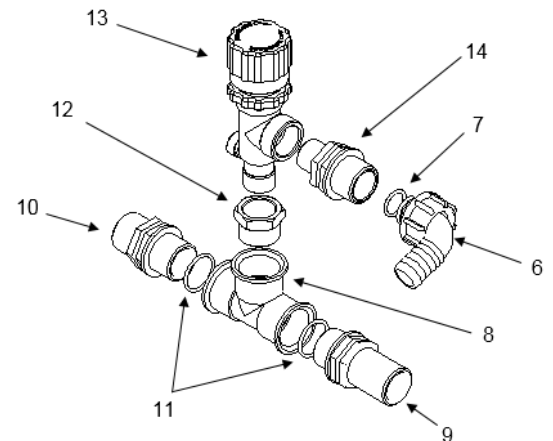
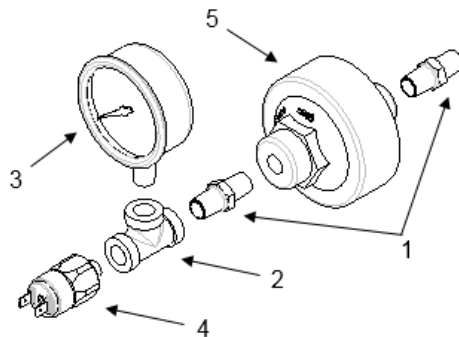
9.4.c Calibration Station Version 1



Calibration Station Version 1

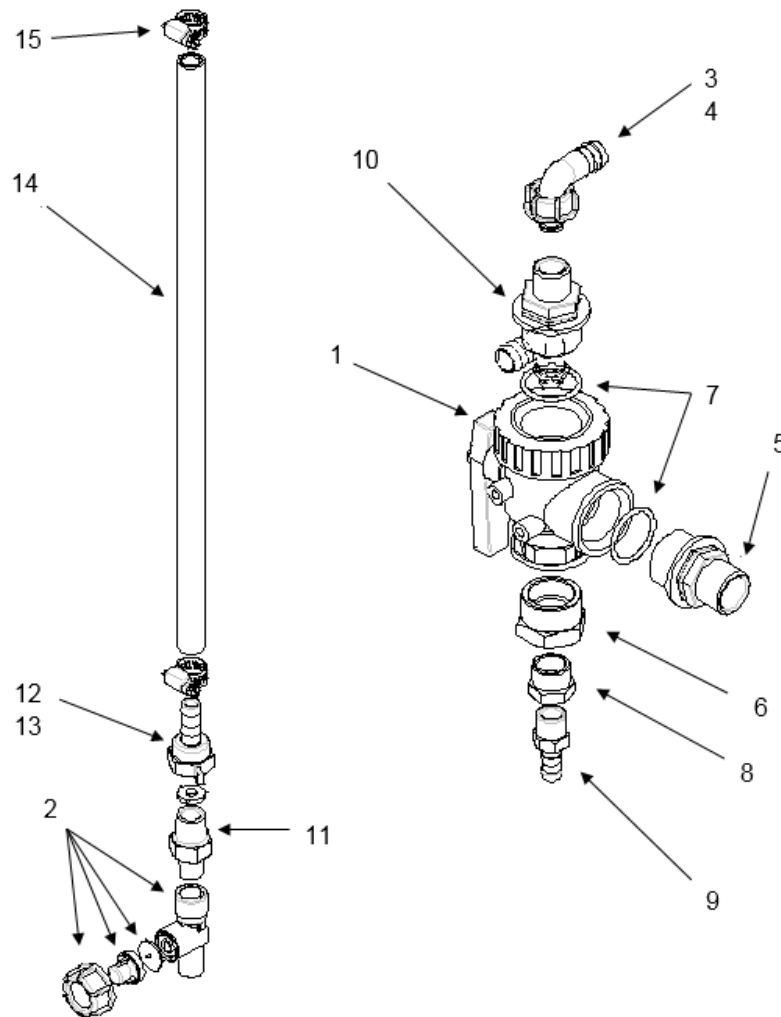
Item #	Qty	Part #	Description
All	1	07962	PROCESS CONTROLS
1	1	07869	CALIBRATION VALVE MOUNT
2	2	07611	U-BOLT SET M12 x 235mm LONG SS
3	1	07874	PRESSURE GAUGE TEE MOUNT COMPLETE
4	1	04283	BRAGLIER VALVE
5	2	04176	HOSETAIL ASSY 1 ¼"x 32mm HOSE
6	2	09292	O-RING SUIT 1 ¼" HOSETAIL
7	3	04149	HOSETAIL ASSY 1" x 25mm HOSE
8	3	04150	GASKET FLAT SECTION SUIT 04149 HOSETAIL
9	3	04147	HOSETAIL ASSY 1" BSP x 25mm HOSE c/w O-RING
10	3	09285	O-RING SUIT 1" HOSETAIL
11	2	04175	NIPPLE 1 ¼" SYMETRICAL
	1	AR	PRESSURE RELIEF VALVE ASSY - (See Section 9.4.d)
	1	AR	PRESSURE GAUGE & SWITCH ASSY - (See Section 9.4.d)
	1	AR	CALIBRATION VALVE ASSY - (See Section 9.4.e)
15	AR	05563	HOSE LIQUID DELIVERY 25mm SPECIFY LENGTH
16	AR	09078	CLAMP SS SUIT 25mm HOSE
17	2	09103	SETSCREW M8 x 25mm SS
18	2	09106	WASHER FLAT M8 SS
19	2	09105	WASHER SPRING M8 SS
20	1	04019	FLOW METER ASSY
21	1	07953	FARMSCAN FLOW METER HARNESS ADAPTER

9.4.d Calibration Station Version 1 - Gauge & Relief Valve



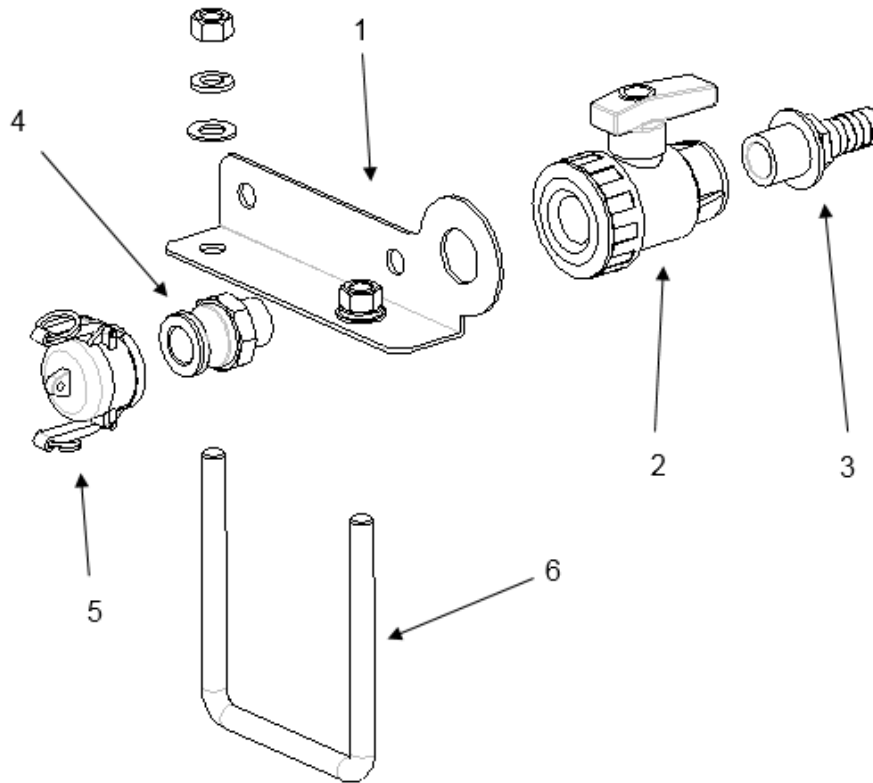
Item #	Qty	Part #	Description
1 to 5	1	07961	PRESSURE GAUGE & SWITCH ASSY
1	2	04222	NIPPLE ¼" SS
2	1	04225	TEE ¼" FFF-SS
3	1	04226	PRESSURE GAUGE
4	1	04227	PRESSURE SWITCH ADJUSTABLE-suits FARMSCAN
5	1	04682	GAUGE PROTECTOR
6	1	04209	HOSETAIL ELBOW 1" x 25mm HOSE
7	1	09285	O-RING SUITS 1" HOSETAIL
8	1	04218	TEE 1" FFF
9	1	04216	NIPPLE 1" BULKHEAD
10	1	04208	NIPPLE 1" SYMETRICAL
11	2	09287	O-RING SUIT 1" NIPPLE
12	1	04219	BUSH REDUCING 1 x ¾"
13	1	04220	PRESSURE RELIEF VALVE ADJUSTABLE
14	1	04221	NIPPLE REDUCING ¾ x 1"

9.4.e Calibration Station Version 1 - Calibration Valve



Item #	Qty	Part #	Description
All	1	07955	CALIBRATION VALVE ASSY
1	1	04152	BALL VALVE 1 1/4" BSP - 3 WAY
2	1	04162	NOZZLE HOLDER 3/8" BSPF
3	1	04164	HOSETAIL ELBOW 3/4" x 19mm HOSE
4	1	09291	O-RING SUIT 3/4" HOSETAIL
5	1	04155	NIPPLE REDUCING 1 1/4" x 1"
6	1	04156	BUSH REDUCING 1 1/4 x 3/4"
7	2	09288	O-RING SUIT 1 1/4" NIPPLE
8	1	04157	BUSH REDUCING 3/4 x 1/2"
9	1	04158	HOSETAIL 3/4" x 19mm
10	1	04159	NIPPLE REDUCING 1 1/4 x 3/4"
11	1	04163	NIPPLE REDUCING 1/2 x 3/8"
12	1	04160	HOSETAIL 1/2" x 12mm HOSE
13	1	04161	GASKET SUIT 04160 HOSETAIL
14	1	05380	HOSE 12mm SPECIFY LENGTH
15	2	09077	CLAMP SS SUIT 12mm ID HOSE

9.5 Liquid Outlet



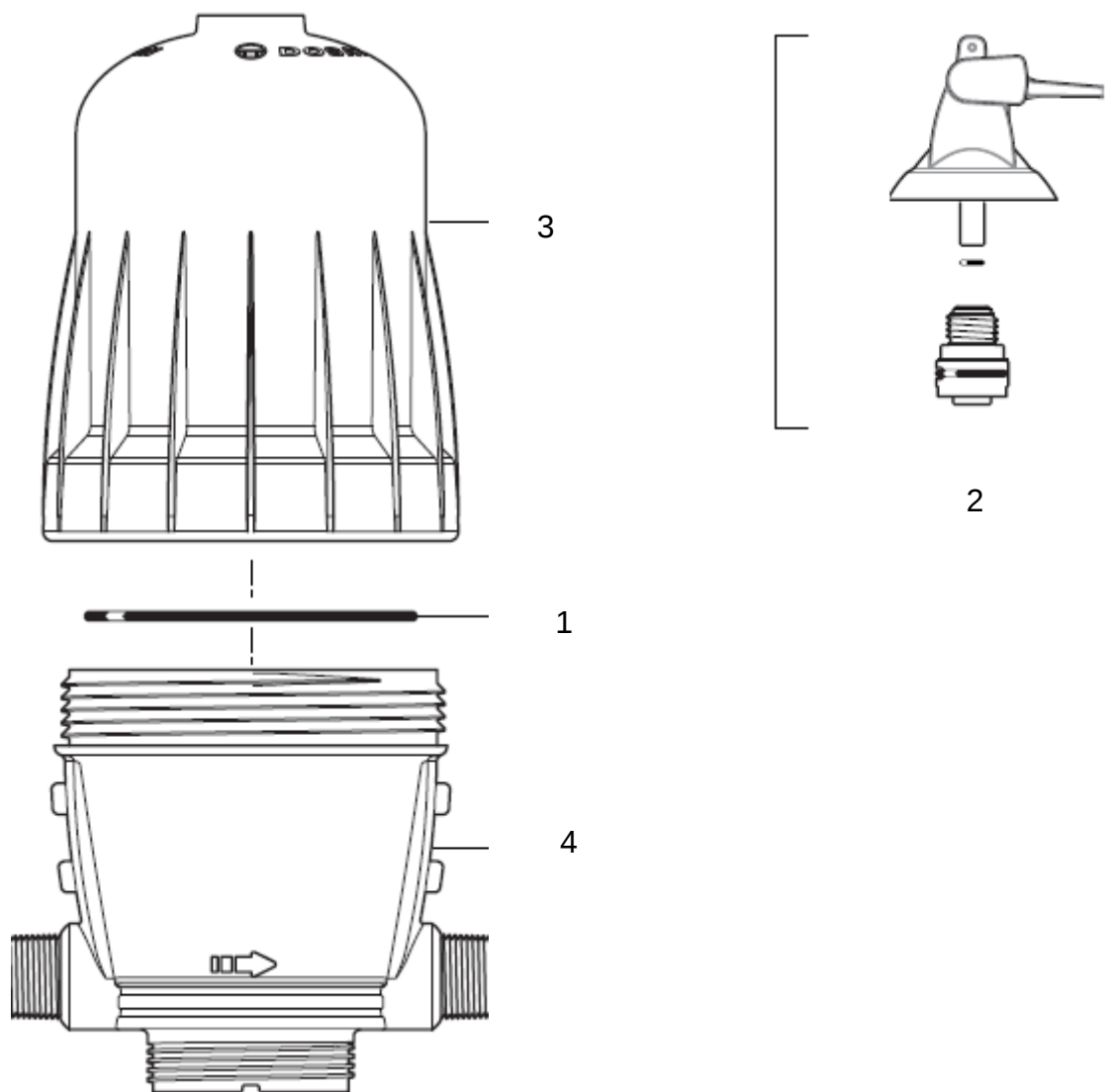
Item #	Qty	Part #	Description
All	1	08956	MALE OUTLET ASSY AS SHOWN
1	1	07060	¾" CAMLOCK MOUNT BRACKET
2	2	04696	BALL VALVE ¾" - 2 WAY
3	1	04257	HOSETAIL ¾"M x 19mm HOSE
4	1	04046	CAMLOCK COUPLER MALE ¾"
		04631	CAMLOCK COUPLER F/MALE ¾"
5	1	04096	CAMLOCK DUST CAP - FEMALE 20mm PLASTIC ¾"
		04068	CAMLOCK DUST CAP - MALE 20mm PLASTIC ¾"
6	1	05778	U-BOLT SET M12 x 101 x 133mm
NS	1	04685	RESTRAINT LEAD
NS	2	09176	CRIMPS SUIT RESTRAINT LEAD

Male outlet shown, select alternative listings for female if required.

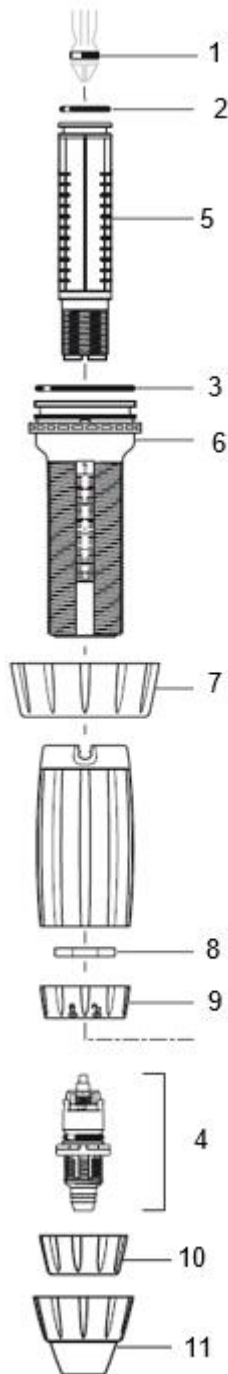
Bracket (Part # 07060) only used on early machines & some special order machines. Later TBT machines use a welded on bracket (see chassis parts).

9.6 Dosatron

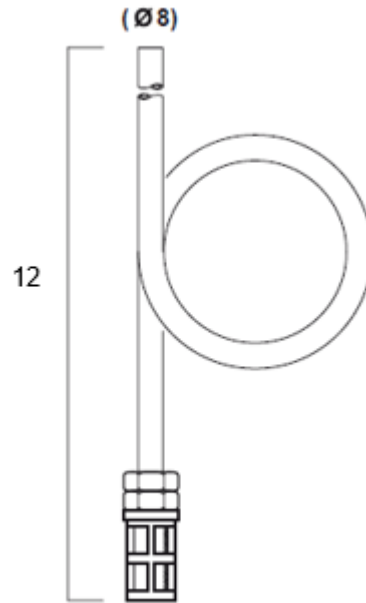
9.6.a Dosatron D3RE2



Item #	Qty	Part #	Description
1	1	04732	DOSATON HOUSING SEAL (PART OF 08688 KIT)
2	1	04608	DOSATRON BYPASS VALVE ASSY D3RE2
3	1	BSO	DOSATRON TOP COVER D3RE2
4	1	BSO	DOSATRON BODY D3RE2



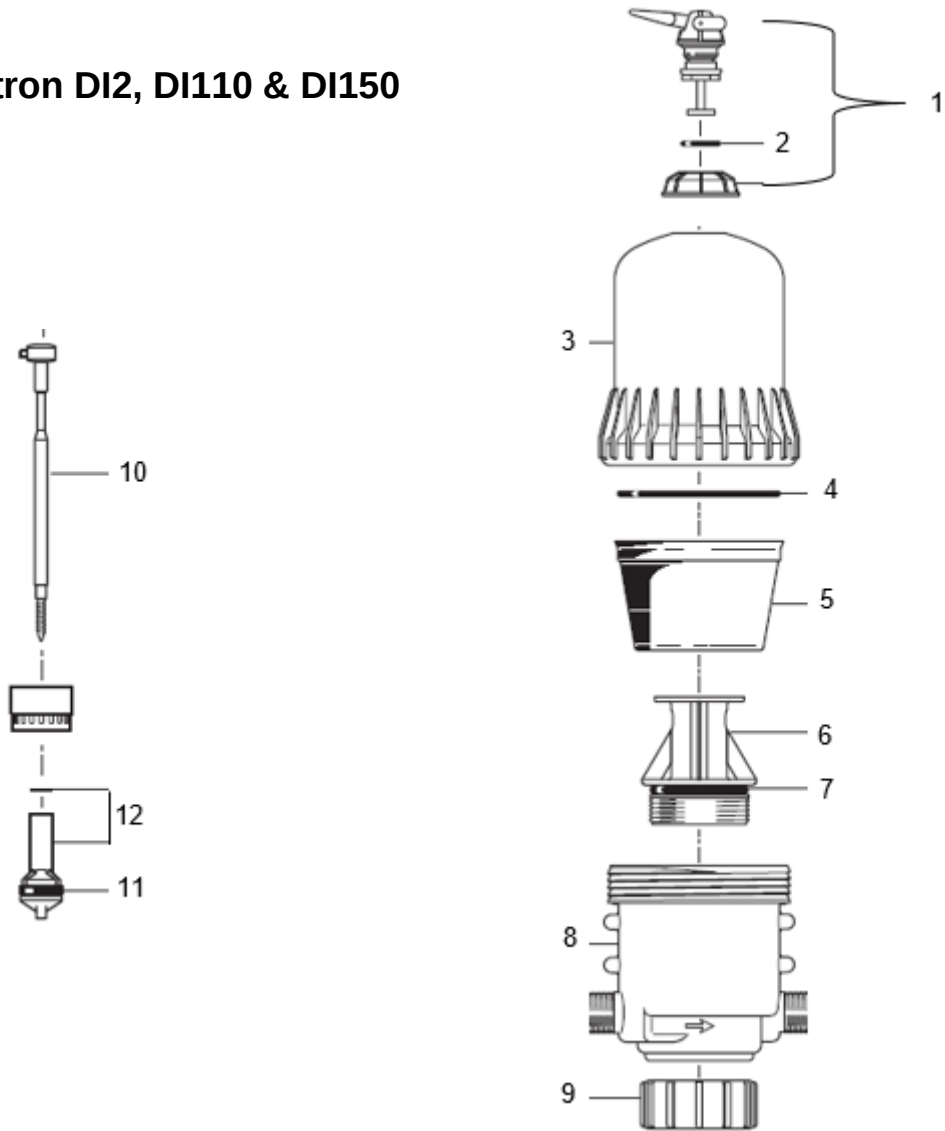
Dosatron D3RE2



Item #	Qty	Part #	Description
1,2,3,4	1	08688	DOSATON INJECTION SEAL KIT D3RE2 (Includes seal 07432)
4	1	08679	DOSATRON SUCTION VALVE ASSY D3RE2
5 to 9	1	BSO	
10	1	08681	DOSATRON SUCTION VALVE RETAINING NUT D3RE2
11	1	08683	DOSATRON SUCTION HOSE RETAINING NUT 8mm
12	1	08685	DOSATRON SUCTION HOSE ASSY 8mm

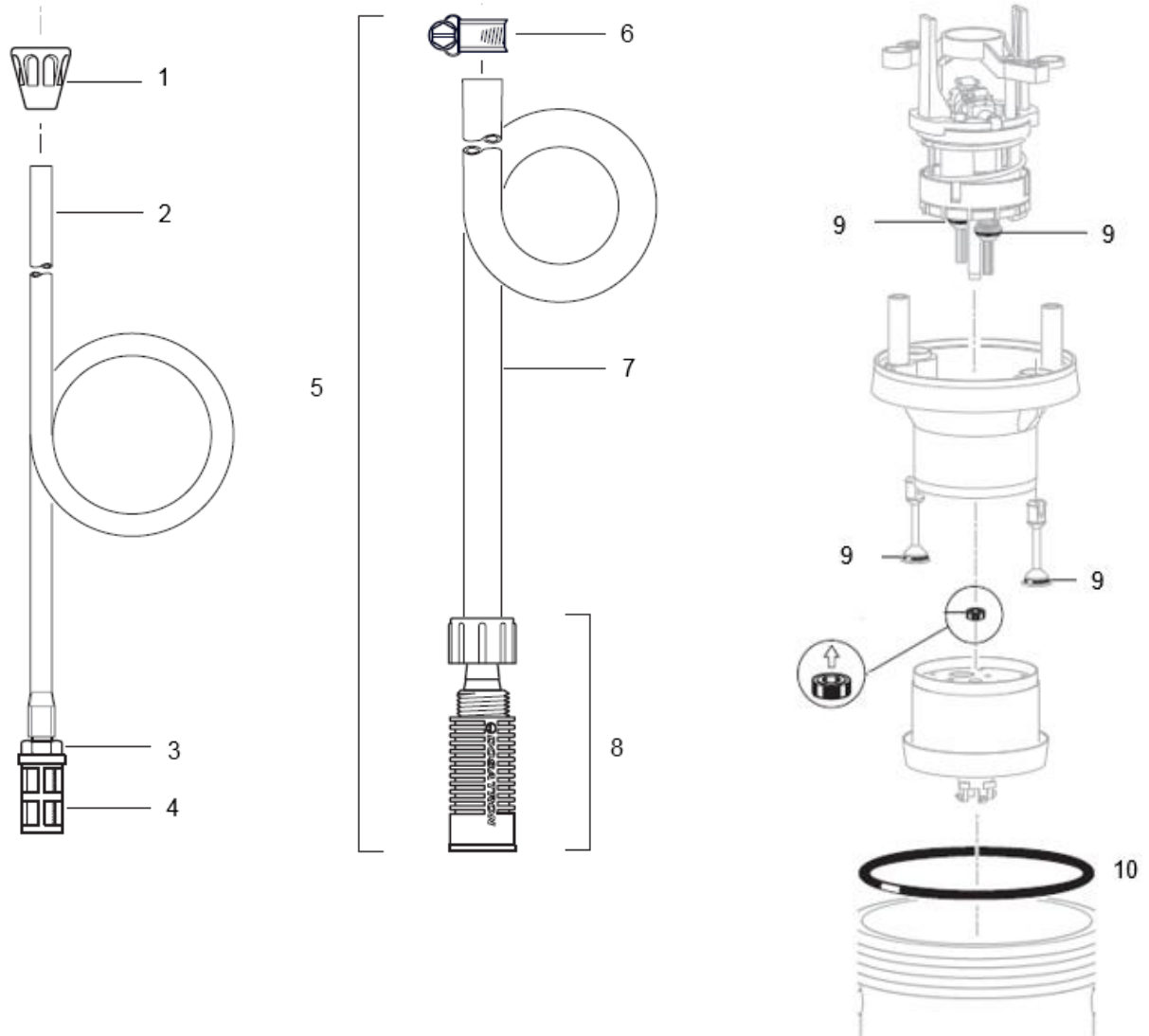
Items 5-9 are BSO only, order by item number and page number.

9.6.b Dosatron DI2, DI110 & DI150



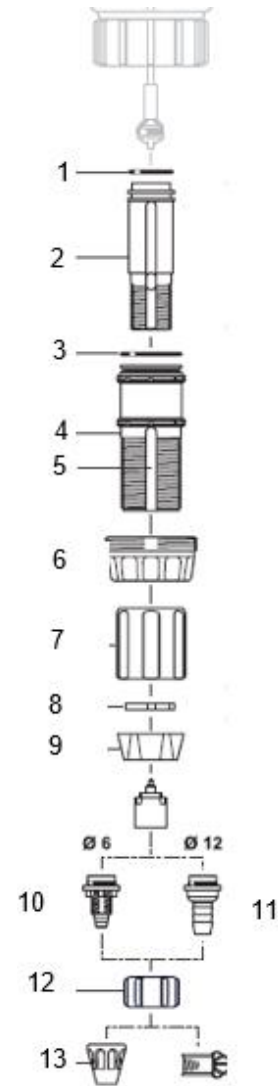
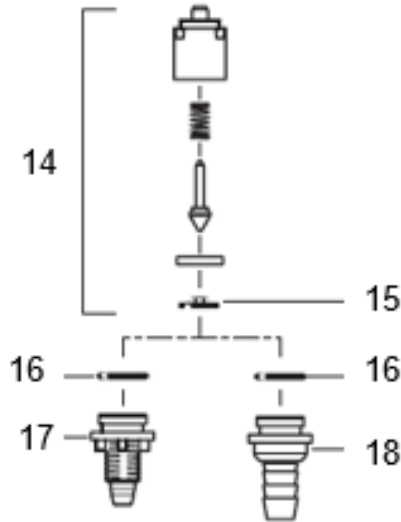
Item #	Qty	Part #	Description
1	1	04608	DOSATRON BYPASS VALVE ASSY
2	1	04839	DOSATRON BYPASS VALVE O-RING
3	1	04607	DOSATRON TOP COVER
4	1	04732	DOSATRON HOUSING SEAL
5	1	05799	DOSATRON HOUSING FILTER SCREEN
6,7,8	1	BSO	
9	1	04934	DOSATRON BODY MOTOR LOCK RING DI2 & DI 150
		BSO	DOSATRON BODY MOTOR LOCK RING DI110
10	1	04647	DOSATRON PLUNGER ROD ASSY DI2
		BSO	DOSATRON PLUNGER ROD ASSY DI110, DI150
11	1	04913	DOSATRON PISTON SEAL DI2
		BSO	DOSATRON PISTON SEAL DI110, DI150
12	1	04648	DOSATRON PISTON PLUNGER & SEAL DI2
		BSO	DOSATRON PISTON PLUNGER & SEAL DI110, DI150

Items 6 to 8 are BSO only, order by item number and page number.



Item #	Qty	Part #	Description
1 to 4	1	04396	DOSATRON SUCTION TUBE ASSY DI2
	1	BSO	DOSATRON SUCTION TUBE ASSY DI150 & DI110
1	1	04918	DOSATRON SUCTION FITTING CAP DI2
	1	BSO	DOSATRON SUCTION FITTING CAP DI150 & DI110
2	1	BSO	DOSATRON SUCTION HOSE 6, 12, 20mm
3	1	BSO	DOSATRON SUCTION FILTER FITTING 6mm DI2 ONLY
4	1	04397	DOSATRON SUCTION STRAINER 6mm
	1	BSO	DOSATRON SUCTION STRAINER 12, 20mm
5	1	04638	DOSATRON VISCOUS KIT DI2
	1	BSO	DOSATRON VISCOUS KIT DI150 & DI110
6	1	BSO	DOSATRON VISCOUS HOSE CLAMP DI2, 110,150
7	1	BSO	DOSATRON VISCOUS HOSE 12mm DI2, 20mm DI110,150
8	1	07626	DOSATRON SUCTION STRAINER 12mm DI2
	1	BSO	DOSATRON SUCTION STRAINER 20mm DI 110, 150
9 & 10	1	04649	DOSATRON MOTOR SEAL KIT
10	1	04732	DOSATON HOUSING SEAL (PART OF 04649 KIT)

9.6.c Dosatron DI2 – Stem & Valves

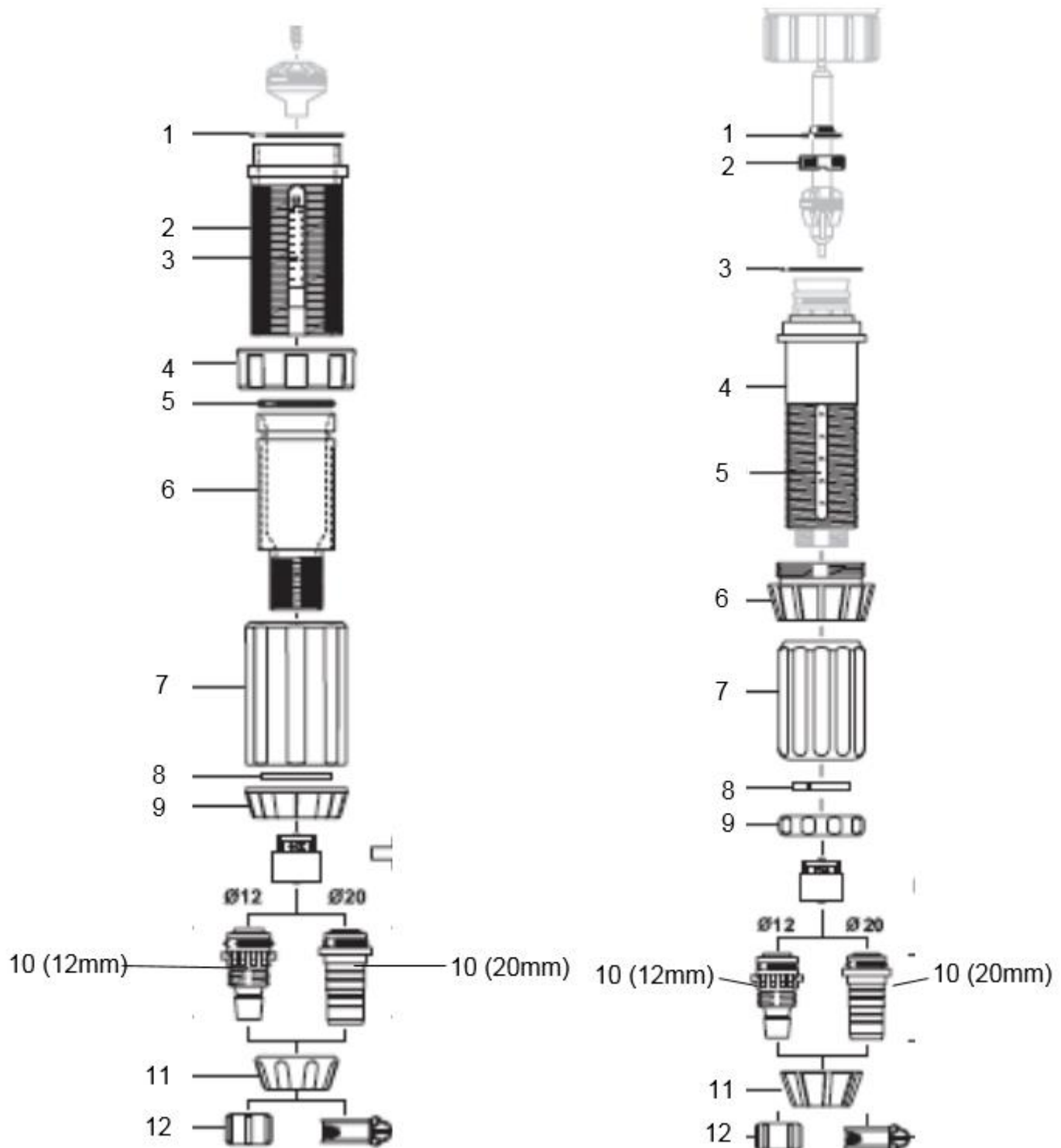


Item #	Qty	Part #	Description
All	1	04915	DOSATRON INJECTION ASSY 6mm DI2
	1	BSO	DOSATRON INJECTION ASSY 12mm DI2
1,3	1	04731	DOSATRON INJECTION SEAL KIT (Includes 04732, 04913, 07385)
1	1	04969	DOSATRON INJECTION STEM SEAL DI2
2	1	04650	DOSATRON INJECTION STEM DI2
4 to 9	1	BSO	
10	1	04916	DOSATRON SUCTION FITTING 6mm c/w O-RING DI2
11	1	04643	DOSATRON SUCTION FITTING 12mm c/w O-RING DI2
12	1	04634	DOSATRON SUCTION VALVE NUT DI2
13	1	04918	DOSATRON SUCTION FITTING CAP 6mm DI2
14	1	07385	DOSATRON SUCTION VALVE ASSY DI2
	1	04970	DOSATRON SUCTION VALVE ASSY DI150 & DI110
15	1	04606	DOSATRON SUCTION VALVE SEAL DI2
	1	BSO	DOSATRON SUCTION VALVE SEAL DI150 & DI110
16	1	04919	DOSATRON SUCTION FITTING O-RING DI2
	1	BSO	DOSATRON SUCTION FITTING O-RING DI150 & DI110
17	1	BSO	DI2 6mm
18	1	BSO	DI2 12mm
14,16,17	1	07385	DOSATRON SUCTION VALVE & FITTING 6mm DI2
14,16,18	1	08678	DOSATRON SUCTION VALVE & FITTING 12mm DI2

9.6.d

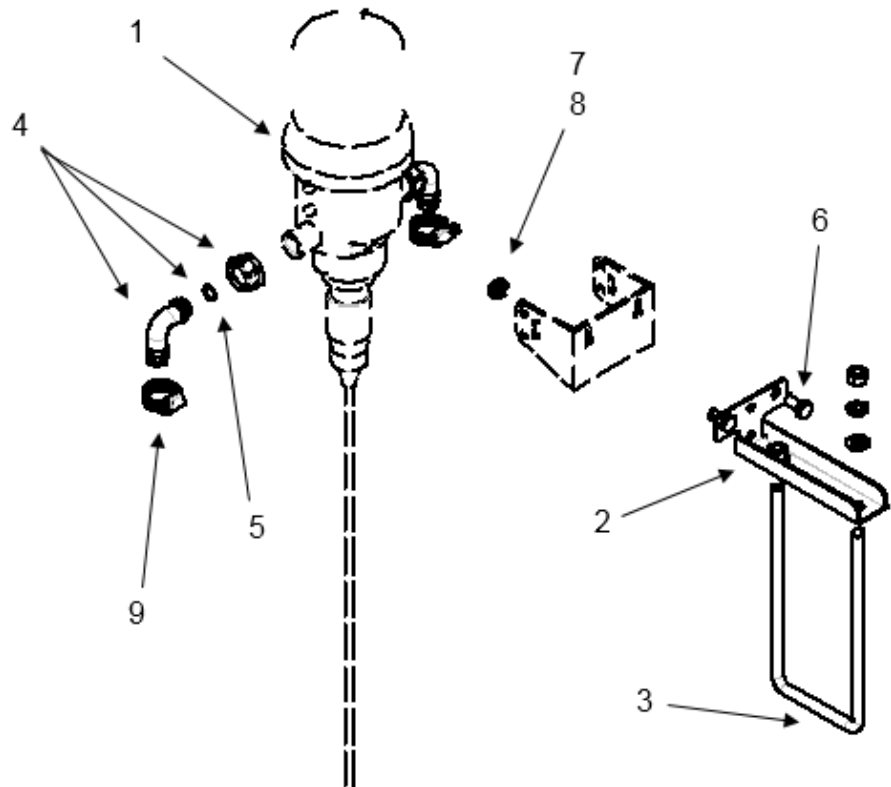
Dosatron DI110

Dosatron DI150



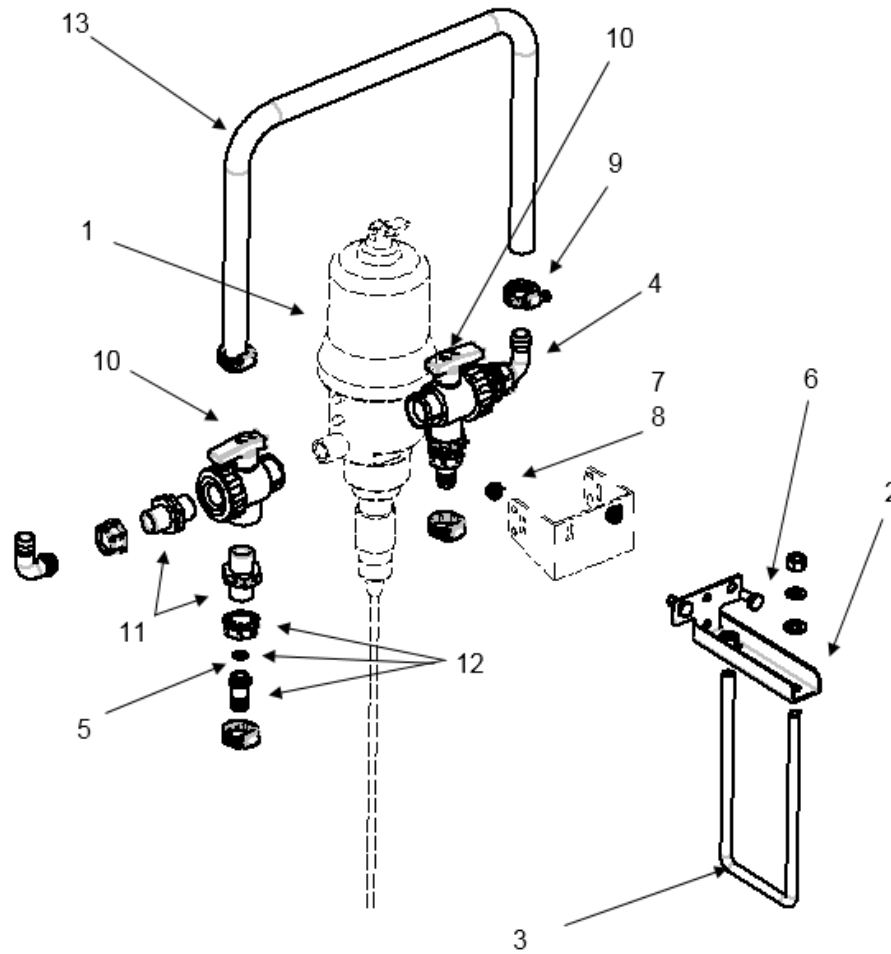
Items are BSO only, order by item number and page number.

9.6.e Dosatron Kits



Item #	Qty	Part #	Description
All		07989	DOSATRON KIT D3RE2 (0.2 - 2%)
All		07583	DOSATRON KIT D3RE5 (0.5 - 5%)
All		07584	DOSATRON KIT D3RE10 (1 - 10%)
1	1	07630	DOSATRON D3RE2 (0.2 - 2%)
	1	07804	DOSATRON D3RE5 (0.5 - 5%)
	1	07805	DOSATRON D3RE10 (1 - 10%)
2 to 9	1	08968	DOASTRON MOUNT KIT NO BYPASS
2	1	08366	LIQUID UNIVERSAL MOUNT BRACKET
3	1	07611	U-BOLT SET M12 x 103 x 235mm SS - Early Builds
	1	05778	U-BOLT SET M12 x 102 x 133mm
	2	09031	WASHER FLAT M12
4	2	04164	HOSETAIL ELBOW ¾" x 19mm HOSE
5	2	09369	O-RING SUIT 04164 HOSETAIL
6	2	09252	SETSCREW M10 x 20mm SS
7	2	09097	WASHER FLAT M10 SS
8	2	09099	NUT M10 SS
9	2	09078	CLAMP SS SUIT 19/20mm HOSE
NS	2	09098	WASHER SPRING M10 SS
NS	1	01092	CABLE TIE 550 x 13mm

9.6.f Dosatron with Bypass - Early Builds

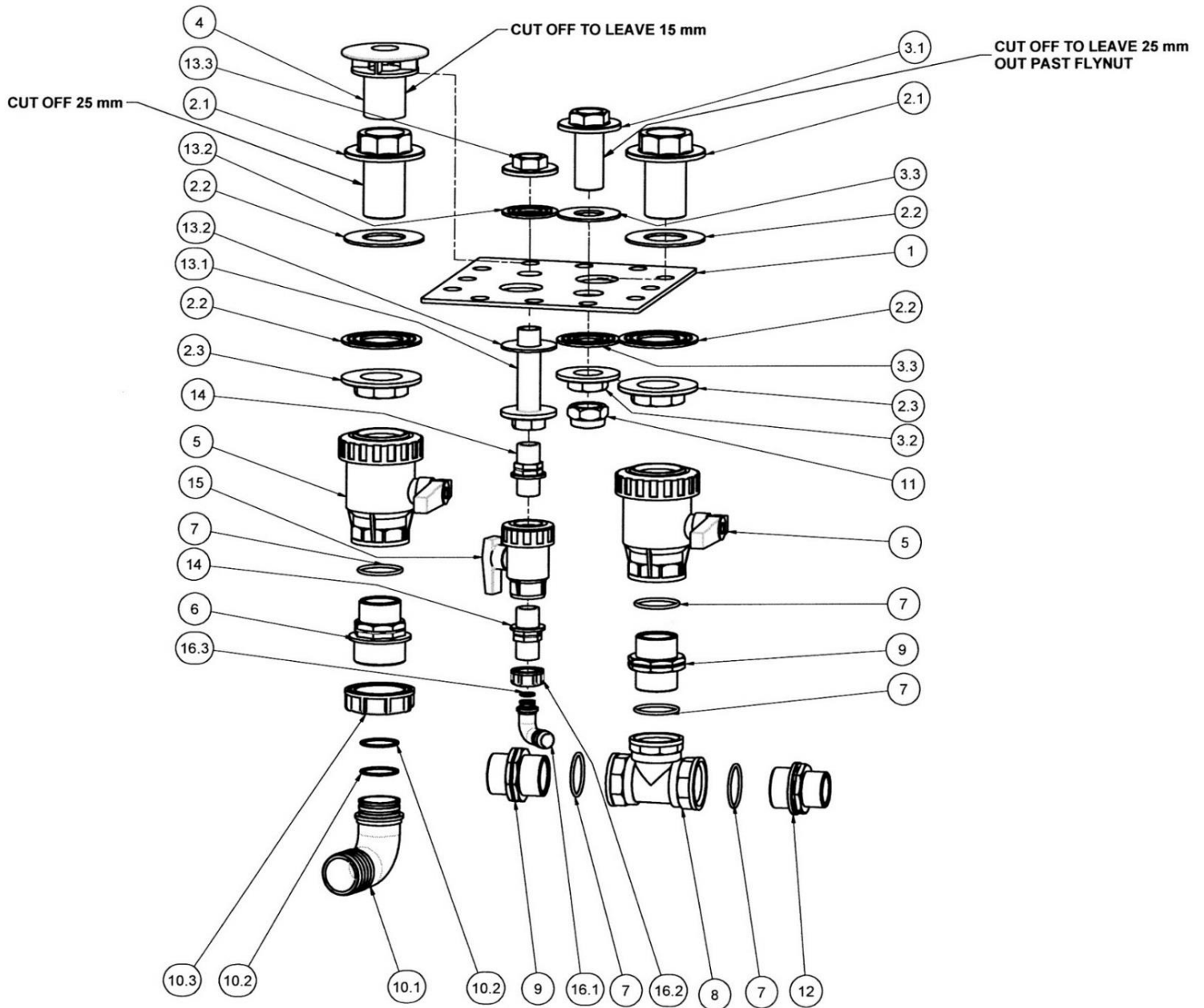


Early build Multistream's utilised Dosatron units that lacked an on/off lever. As such a bypass system was required. Replacement Dosatron units are fitted with an on/off lever so the bypass system is not required.

Item #	Qty	Part #	Description
1	1		DOSATRON DI2, 110, 150
2	1	08366	LIQUID UNIVERSAL MOUNT BRACKET
3	1	07611	U-BOLT SET M12 x 103 x 235mm SS
4	4	04164	HOSETAIL ELBOW ¾" x 19mm HOSE
5	2	09369	O-RING SUIT 04164 & 04702 HOSETAIL
6	2	09252	SETSCREW M10 x 20mm SS
7	2	09097	WASHER FLAT M10 SS
8	2	09368	NUT M10 Nylock SS
9	2	09078	CLAMP SS SUIT 19/20mm HOSE
10	2	04257	BALL VALVE ¾" 3 WAY
11	4	04672	NIPPLE ¾" SYMETRICAL
12	2	04702	HOSETAIL ASSY ¾" x 19mm HOSE
13	AR	05381	DELIVERY HOSE 20mm
NS	AR	05778	U-BOLT SET M12 x 102 x 133mm

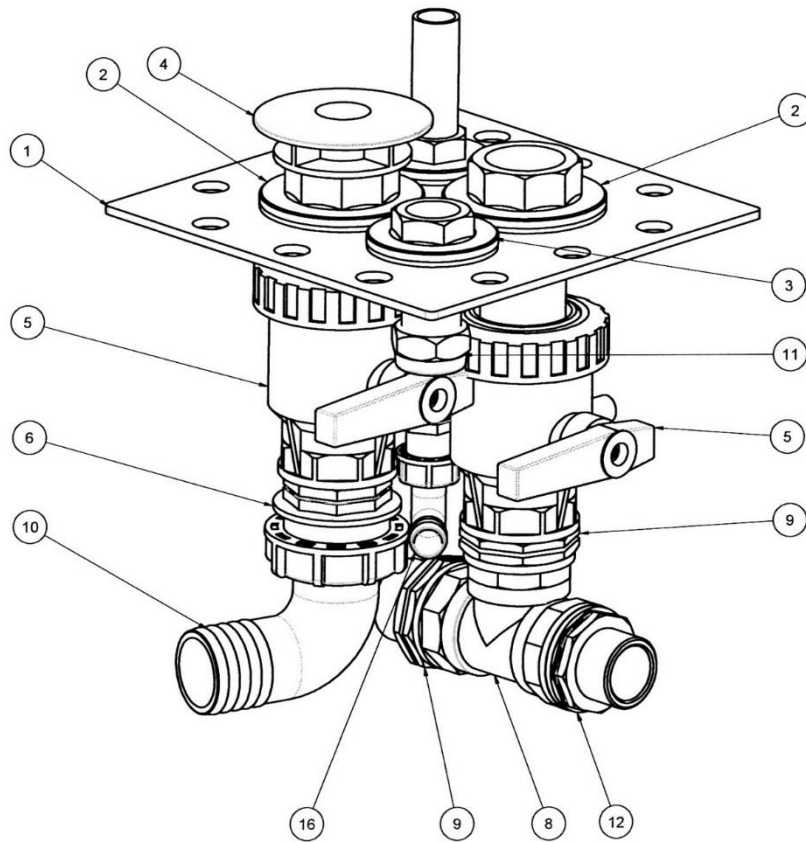
9.7 Liquid Sumps

9.7.a Liquid Tank Sump - no Agitation



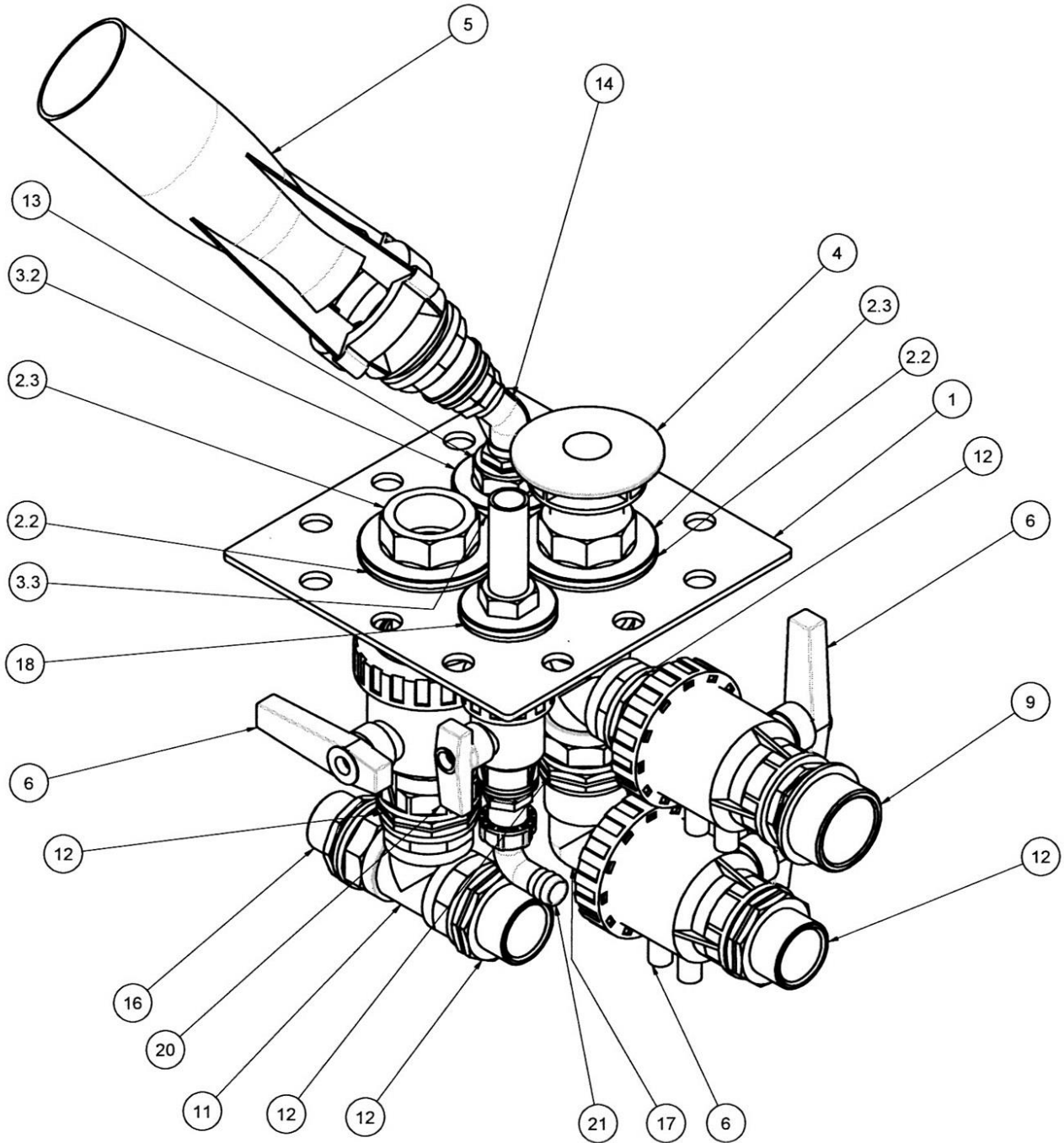
Use Loctite Pipe Sealant 5331 (part # 18118) on ALL threaded fittings. Do not use on hose tails equipped with o-rings.

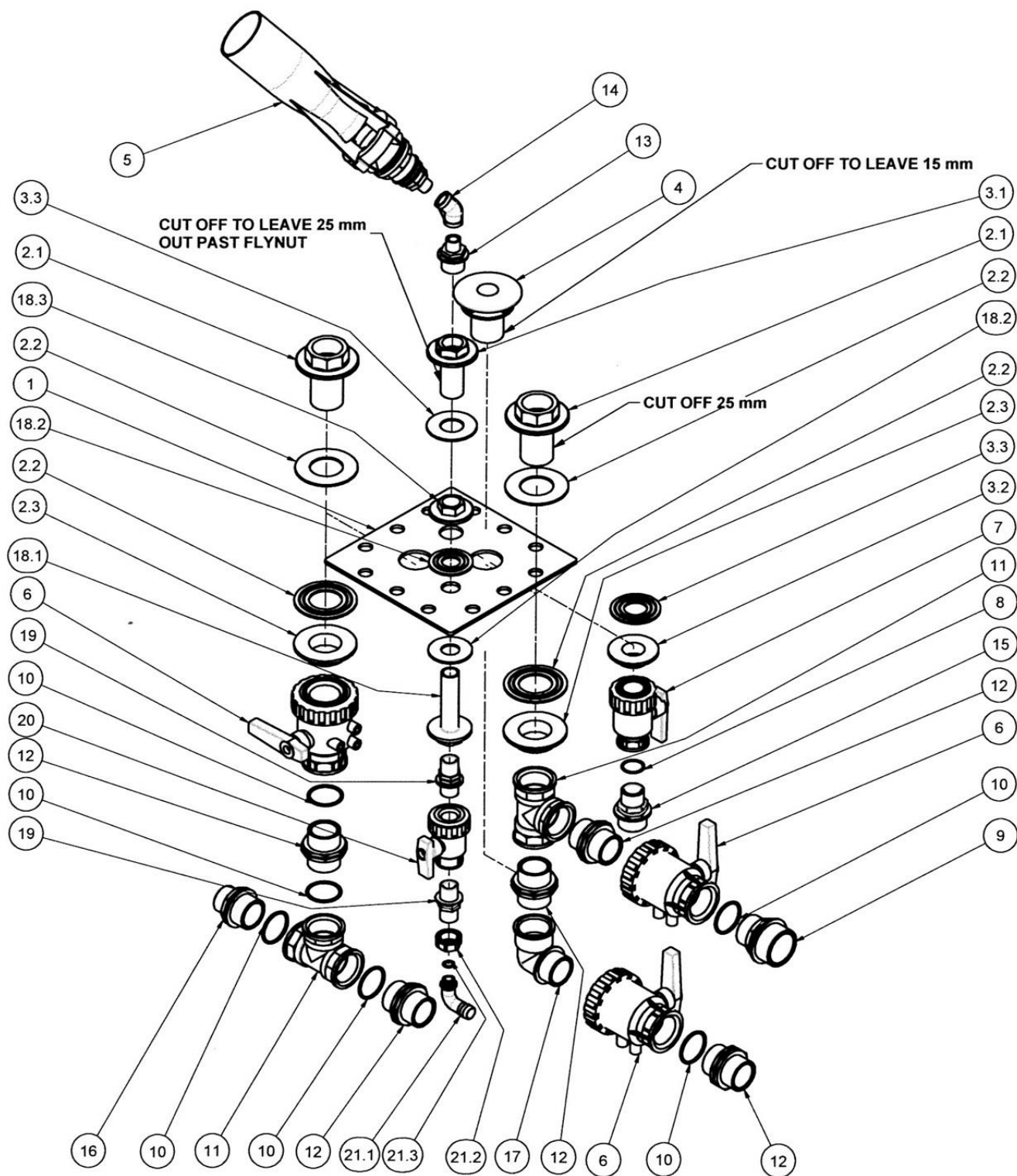
Note: Liquid sump plates (item 1) are now made with smaller 13.5mm mounting holes. If fitting to pre Dec 2016 machines the mounting holes will require drilling out to 15mm.



Item #	Qty	Part #	Description
All	1	12644	TANK MANIFOLD/SUMP - 4 HOLE
1	1	12645	SUMP PLATE - 4 HOLE
2	2	04136	TANK FITTING ASSY 1 1/2 F x 1 1/2 M BSP
3	1	04133	TANK FITTING ASSY 1 F x 1" M BSP
4	1	04140	SHROUD ANTI VORTEX 1 1/2" M
5	2	04168	BALL VALVE 1 1/2" - 2 WAY BSP
6	1	04211	NIPPLE REDUCING 2" x 1 1/2" BSP
7	5	09289	O-RING SUIT 1 1/2" NIPPLE (or use #18118 Loctite 5331)
8	1	04212	TEE 1 1/2" FFF BSP
9	2	04172	NIPPLE 1 1/2" SYMETRICAL BSP
10	1	04213	HOSETAIL ELBOW 90 DEG 2" x 50mm HOSE
10.2	2	09293	O-RING SUIT 2" 04213 HOSETAIL
11	1	04258	CAP 1" BSPF
12	1	04695	NIPPLE REDUCING 1 1/2 x 1 1/4" BSP
13	1	04360	TANK FITTING 3/4 BSPM x 3/4" BSPF
14	2	04672	NIPPLE 3/4" BSP
15	1	04696	BALL VALVE 3/4" - 2 WAY
16	1	04164	HOSETAIL ELBOW 3/4" BSP x 19mm HOSE

9.7.b Liquid Tank Sump with Agitation - Version 3

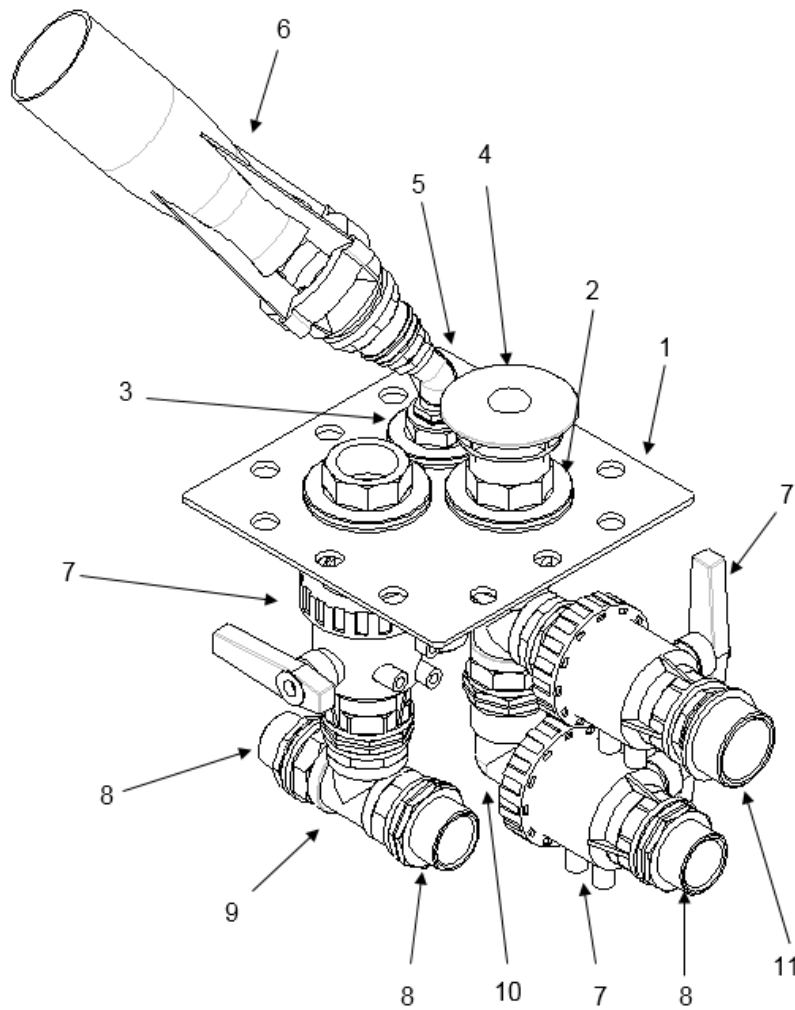




Liquid Tank Sump with Agitation - Version 3

Item #	Qty	Part #	Description
All	1	15309	AGITATION TANK MANIFOLD/SUMP - 4 HOLE
1	1	12645	SUMP PLATE - 4 HOLE
2	2	04136	TANK FITTING ASSY 1 ½ F x 1 ½" M BSP
3	1	04133	TANK FITTING ASSY 1 F x 1" M BSP
4	1	04140	SHROUD ANTI VORTEX 1 ½" M
5	1	04142	AGITATOR TANK 9mm NOZZLE
6	3	04168	BALL VALVE 1 ½" BSP - 2 WAY
7	1	28770	BALL VALVE 1" BSP - 2 WAY
8	1	09287	O-RING 29.8 x 2.6mm VITON
9	1	04211	NIPPLE REDUCING 2 x 1 ½" BSP
10	6	09289	O-RING SUIT 1 ½" NIPPLE (or use 18118 Loctite 5331)
11	2	04212	TEE 1 ½" FFF BSP
12	5	04172	NIPPLE 1 ½" SYMETRICAL BSP
13	1	04693	NIPPLE REDUCING 1 x ½" BSP
14	1	05656	ELBOW 45 DEG ½" BSP
15	1	04155	NIPPLE REDUCING 1 ¼ x 1" BSP
16	1	04695	NIPPLE REDUCING 1 ½ x 1 ¼" BSP
17	1	04192	ELBOW 90 DEG 1 ½" BSPF/M
18	1	04360	TANK FITTING ¾ BSPM x ¾" BSPF
19	2	04672	NIPPLE ¾" BSP
20	1	04696	BALL VALVE ¾" - 2 WAY
21	1	04164	HOSETAIL ELBOW ¾" BSP x 19mm HOSE

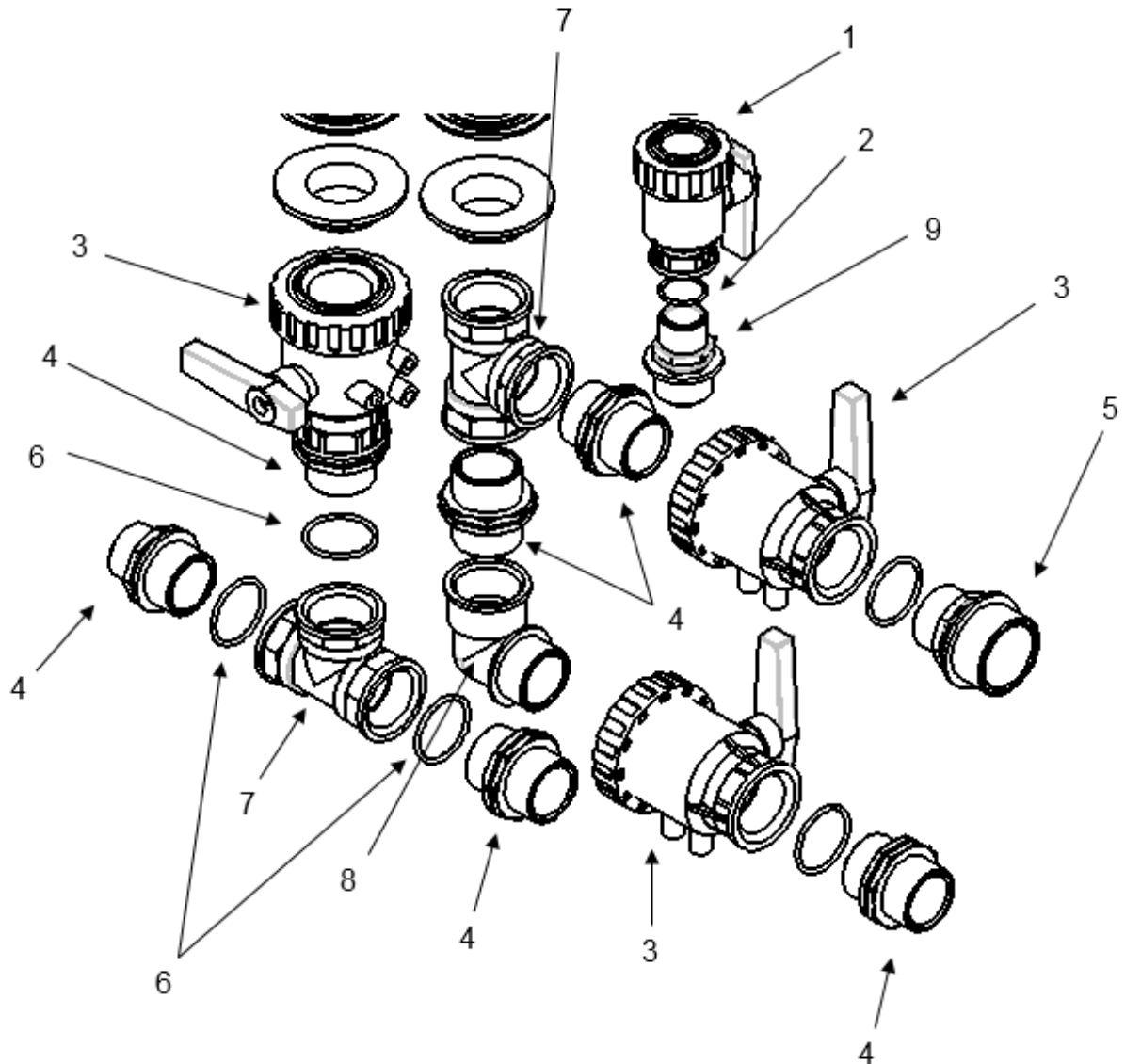
9.7.c Liquid Tank Sump with Agitation - Version 2



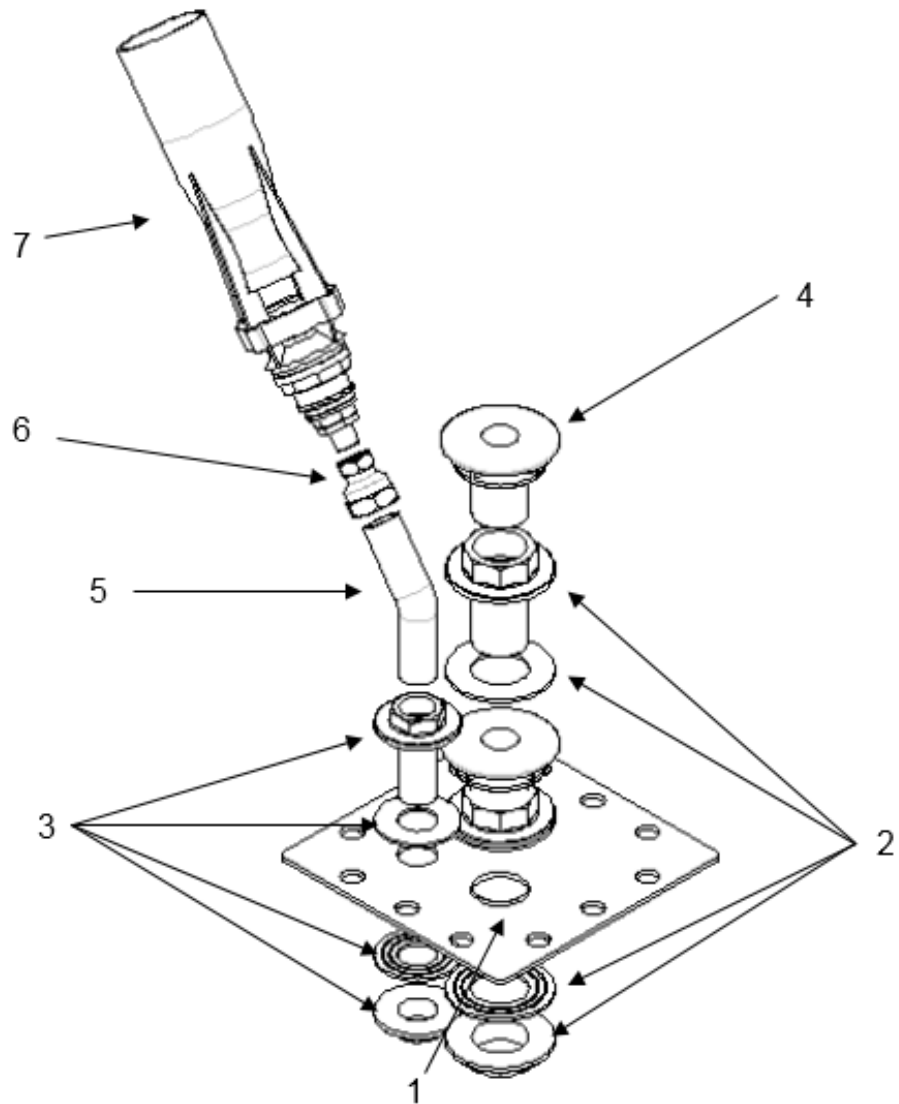
Item #	Qty	Part #	Description
All		12501	TANK MANIFOLD/SUMP WITH AGITATION
1	1	06976	SUMP PLATE - 3 HOLE
2	2	04136	TANK FITTING ASSY 1 ½ F x 1 ½" M
3	1	04133	TANK FITTING ASSY 1 F x 1" M
4	1	04140	SHROUD ANTI VORTEX 1 ½" M
5	1	05656	ELBOW ½" x 45 DEG SS
6	1	04142	AGITATOR TANK 9mm NOZZLE
7	3	04168	BALL VALVE 1 ½" - 2 WAY
8	6	04172	NIPPLE 1 ½" SYMETRICAL
9	2	04212	TEE 1 ½" FFF
10	1	04192	ELBOW 90 DEG 1 ½" F x M
11	1	04211	NIPPLE REDUCING 2 x 1 ½"

See Version 3 parts breakdown for further parts identification

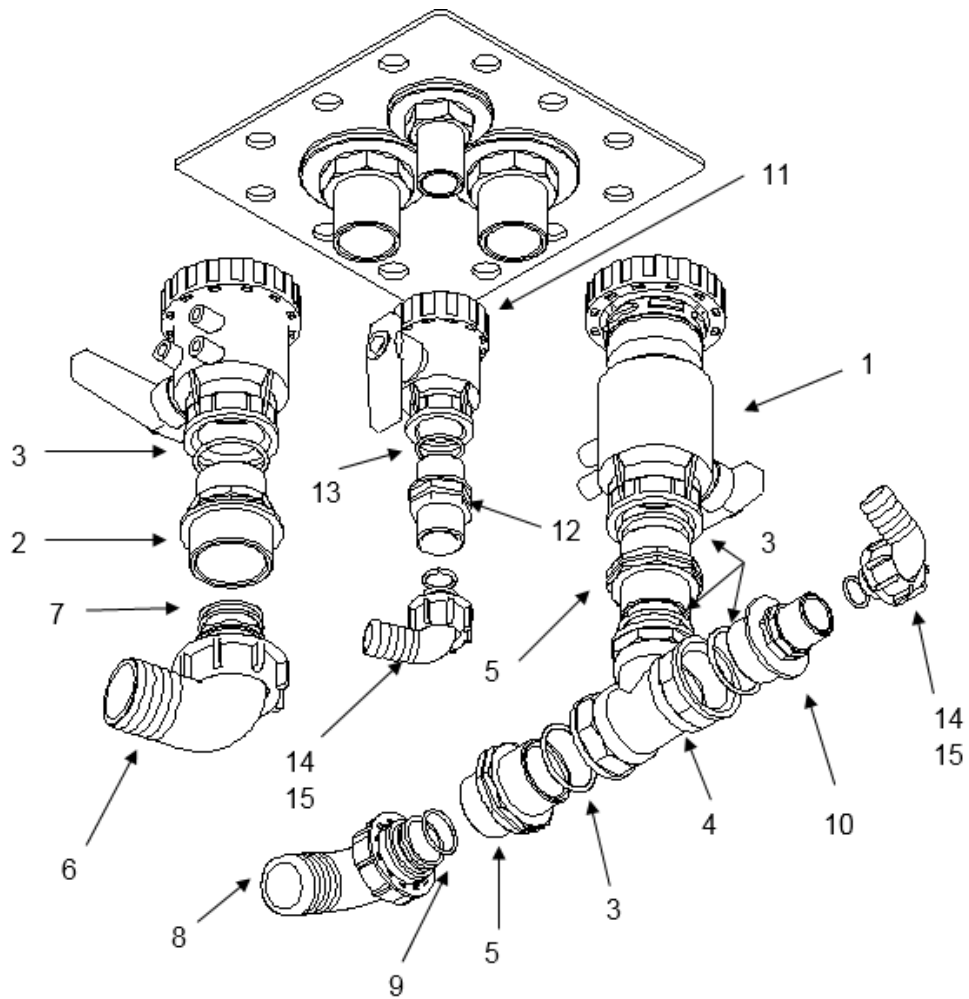
Liquid Tank Sump with Agitation - Version 2
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Item #	Qty	Part #	Description
1	1	28770	BALL VALVE 1" BSP - 2 WAY
2	1	09287	O-RING 29.8 x 2.6mm VITON
3	3	04168	BALL VALVE 1 ½" BSP - 2 WAY
4	6	04172	NIPPLE 1 ½" SYMETRICAL BSP
5	1	04211	NIPPLE REDUCING 2 x 1 ½" BSP
6	7	09289	O-RING SUIT 1 ½" NIPPLE (or use 18118 Loctite 5331)
7	2	04212	TEE 1 ½" FFF BSP
8	1	04192	ELBOW 90 DEG 1 ½" BSPF/M
9	1	04155	NIPPLE REDUCING 1 ¼ x 1" BSP

9.7.d Liquid Tank Sump with Agitation - Version 1

Item #	Qty	Part #	Description
All	ORB 15309	07877	TANK MANIFOLD/SUMP
		15309	LIQUID SUMP AGITATION VERSION 3
1	ORB 12645	06976	SUMP PLATE - 3 HOLE
		12645	SUMP PLATE - 4 HOLE
2	2	04136	TANK FITTING ASSY 1 ½ F x 1 ½" M BSP
3	1	04133	TANK FITTING ASSY 1 F x 1" M BSP
4	2	04140	SHROUD ANTI VORTEX 1 ½" M
5	1	05656	ELBOW 1" x 45 DEG SS BSP
6	1	04693	NIPPLE REDUCING 1 x ½" BSP
7	1	04142	AGITATOR TANK 9mm NOZZLE

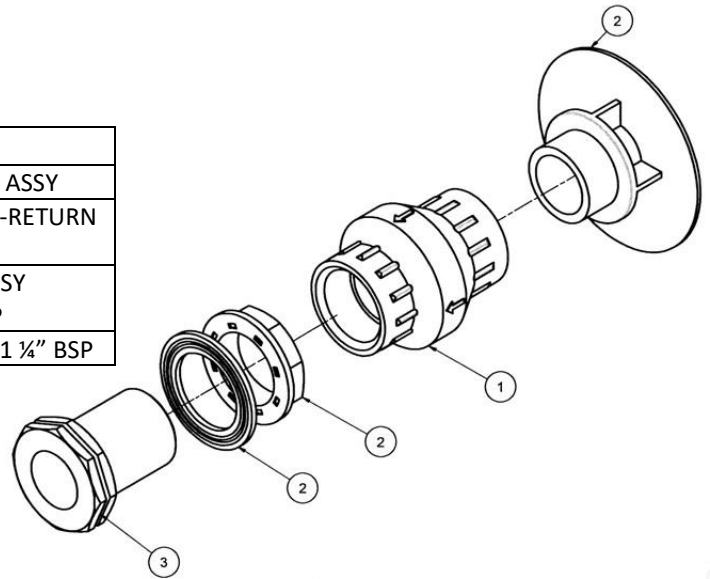


Item #	Qty	Part #	Description
All	NLA	07877	TANK MANIFOLD/SUMP
ORB 15309		15309	LIQUID SUMP AGITATION VERSION 3
1	2	04168	BALL VALVE 1 ½" - 2 WAY
2	1	04211	NIPPLE REDUCING 2 x 1 ½"
3	5	09289	O-RING SUIT 1 ½" NIPPLE
4	1	04212	TEE 1 ½" FFF
5	2	04172	NIPPLE 1 ½" SYMETRICAL
6	1	04213	HOSETAIL ELBOW 90 DEG 2" x 50mm HOSE
7	2	09293	O-RING SUIT 2" HOSETAIL
8	1	04184	HOSETAIL ELBOW ASSY 1 ½" x 38mm HOSE
9	1	09287	O-RING SUIT 1 ½" HOSETAIL
10	1	04215	NIPPLE REDUCING 1 ½ x 1"
11	1	28770	BALL VALVE 1" - 2 WAY
12	1	04208	NIPPLE 1" SYMETRICAL
13	1	09287	O-RING SUIT 1" NIPPLE
14	2	04209	HOSETAIL ELBOW ASSY 1" x 25mm HOSE
15	2	09285	O-RING SUIT 04209 HOSETAIL

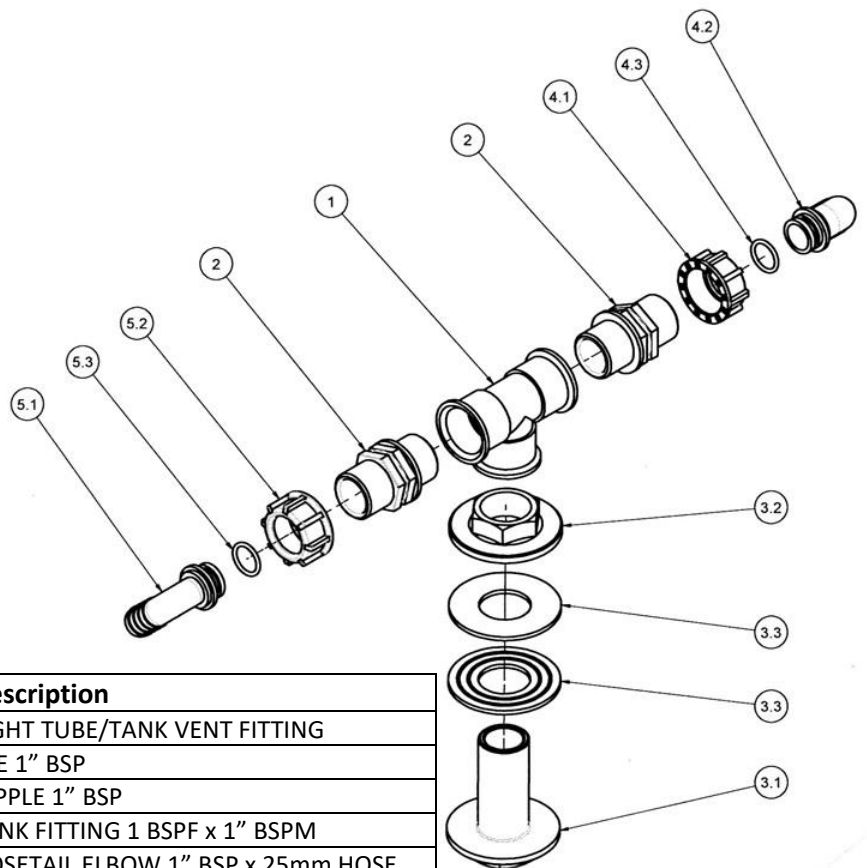
9.8 Liquid Tank Vents/Sight Tubes & Hoses

9.8.a Liquid Tank Vent - Version 2

Item #	Qty	Part #	Description
All	1	12597	LIQUID TANK VENT ASSY
1	1	05864	CHECK VALVE NON-RETURN 1 ¼" BSP
2	1	14099	TANK VENT CAP ASSY TRIMMED 1 ¼" BSP
3	1	14120	NIPPLE BULKHEAD 1 ¼" BSP



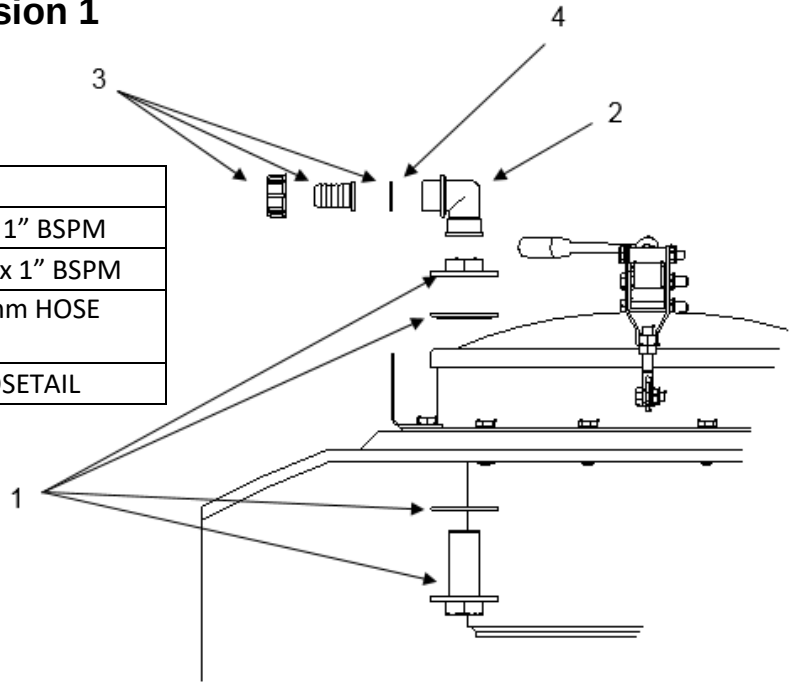
9.8.b Liquid Tank Sight Tube - Version 2



Item #	Qty	Part #	Description
All	1	12628	SIGHT TUBE/TANK VENT FITTING
1	1	04218	TEE 1" BSP
2	2	04208	NIPPLE 1" BSP
3	1	04133	TANK FITTING 1 BSPF x 1" BSPM
4	2	04209	HOSETAIL ELBOW 1" BSP x 25mm HOSE VITON O-RING
4.3	1	09285	O-RING 20.2 x 2.6mm VITON
5	1	04012	HOSETAIL ELBOW 1" BSP x 20mm HOSE VITON O-RING
5.3	1	09285	O-RING 20.2 x 2.6mm VITON

9.8.c Liquid Tank Vent - Version 1

Item #	Qty	Part #	Description
1	1	04133	TANK FITTING 1 BSPF x 1" BSPM
2	1	04273	ELBOW 90 DEG 1 BSPF x 1" BSPM
3	1	04149	HOSETAIL 1" BSP x 25mm HOSE VITON WASHER
4	1	04150	O-RING SUIT 25mm HOSETAIL



9.8.d Liquid Hoses, Clamps and Miscellaneous Fittings

Part #	Description
05380	LIQUID HOSE 12mm - DELIVERY
05381	LIQUID HOSE 20mm - DELIVERY
05563	LIQUID HOSE 25mm - SUCTION
10881	LIQUID HOSE 32mm - DELIVERY
10893	LIQUID HOSE 32mm - SUCTION
05566	LIQUID HOSE 38mm - SUCTION
05565	LIQUID HOSE 40mm - SUCTION
05567	LIQUID HOSE 50mm - SUCTION
09077	HOSE CLAMP SS SUIT 12mm HOSE
09086	HOSE CLAMP SS SUIT 20mm TO 32mm HOSE
09087	HOSE CLAMP SS SUIT 38mm TO 50mm HOSE

For all SUCTION applications use the PVC suction hose 'A'

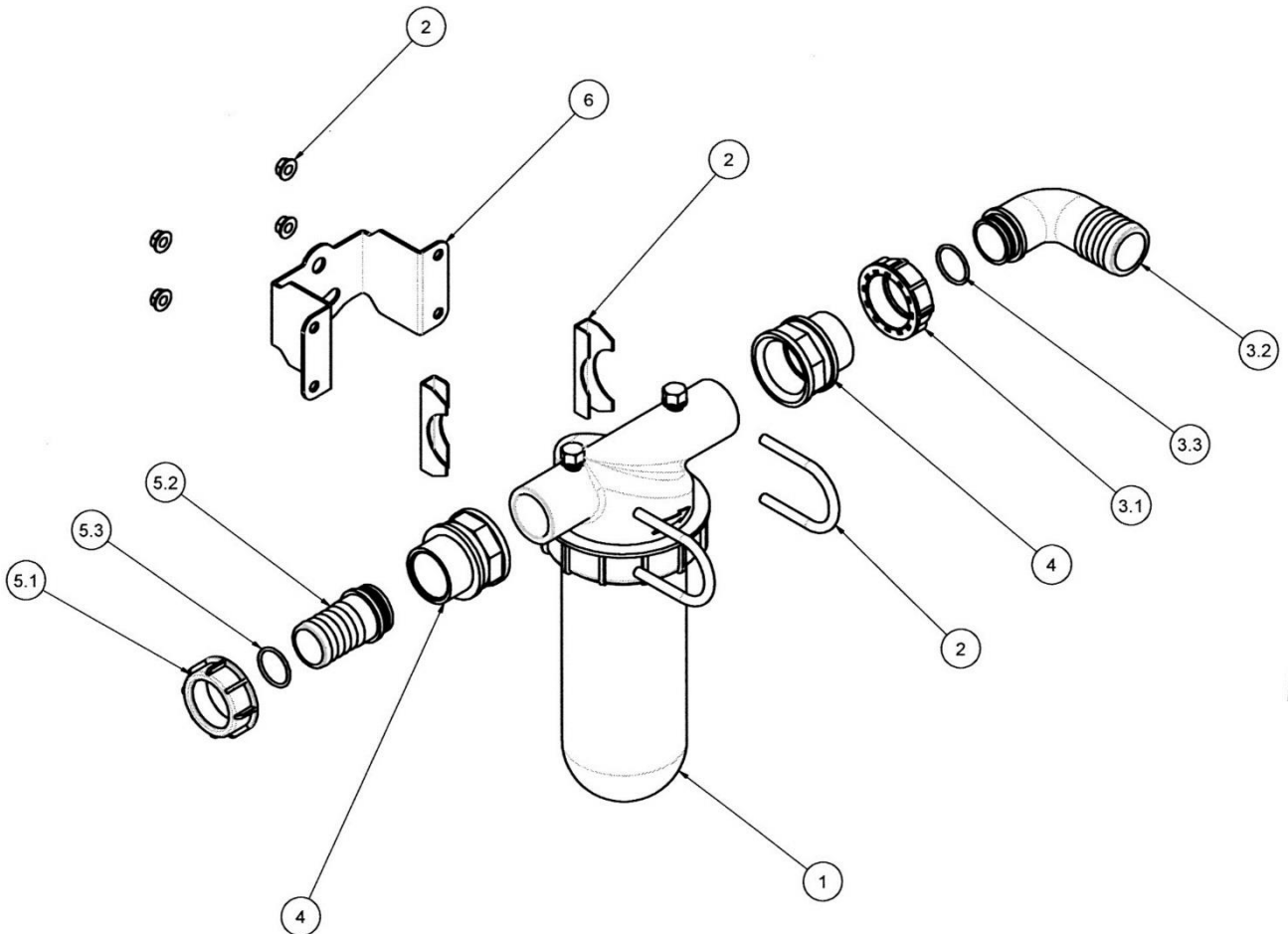
For all DISCHARGE (pressure) applications use the Sprayer Hose 'B'

Hose	Type	08mm	12mm	20mm	25mm	32mm	38mm	50mm	76mm
A	PVC Suction Hose	NA	NA	NA	NA	10893	5566	5567	10816
B	Sprayer Pressure Hose	10849	5380	5381	5563	10881	NA	NA	NA



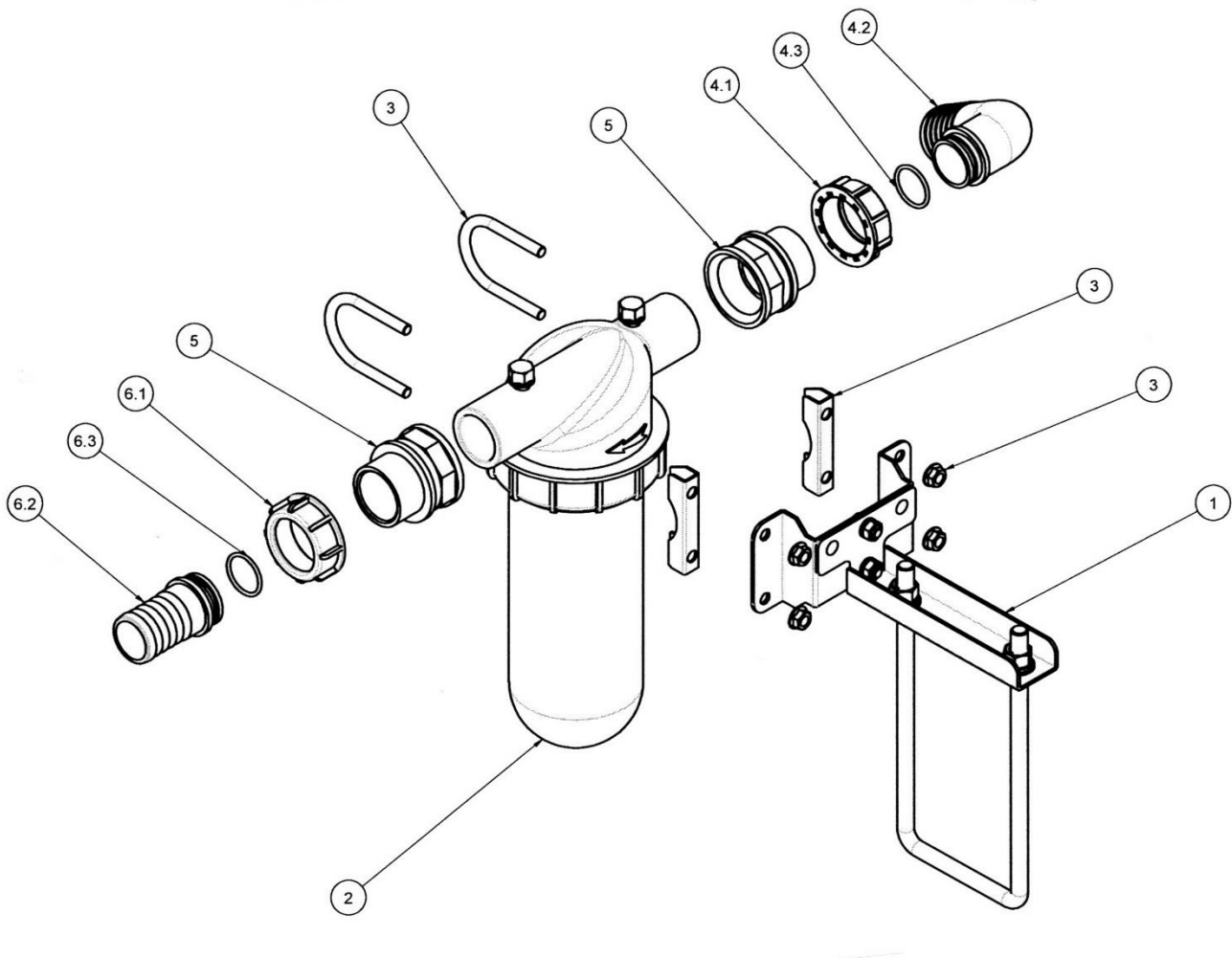
9.9 Liquid Filter Assembly

9.9.a Liquid Filter Assembly - Bolt on Version



Item #	Qty	Part #	Description
All	1	15191	FILTER ASSY WELD NUT 38mm HOSE
1	1	04373	PRESSURE FILTER ASSY c/w 80 Mesh (200 Micron Filter)
2	2	27471	U BOLT M8 x 47mm SS
	4	09055	NUT M8 SS
	4	09105	WASHER SPRING M8 SS
3	1	04184	HOSETAIL ELBOW 1 ½" BSP x 38mm HOSE VITON O-RING
4	2	04363	MALE FEMALE COUPLER 1 ½"
5	1	04183	HOSETAIL 1 ½" BSP x 38mm HOSE VITON O-RING
6	1	14122	FILTER MOUNTING BRACKET - BOLT ON
NS	1	04279	FILTER ELEMENT 1.5" 80 Mesh – Yellow (Standard Fit)
NS	1	04127	FILTER ELEMENT 1.5" 120 Mesh - Red
NS	1	04126	FILTER ELEMENT 1.5" 40 Mesh - Blue

9.9.b Liquid Filter Assembly - U Bolt Version

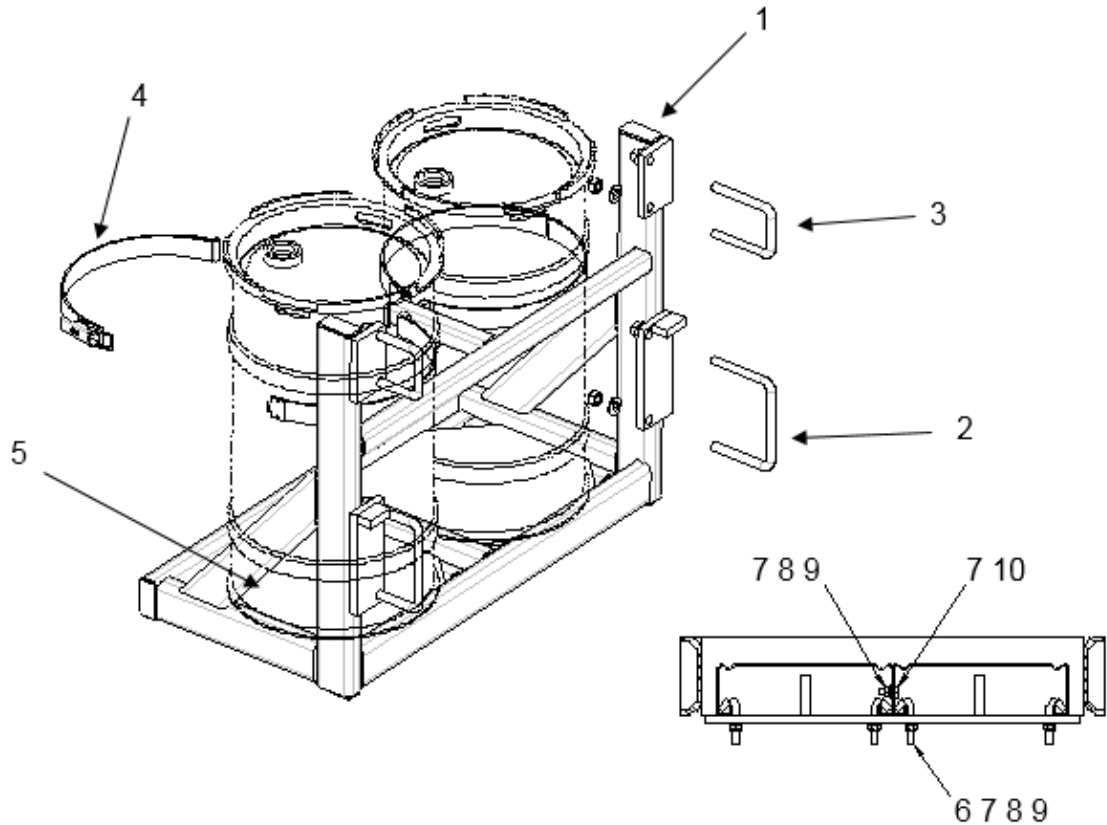


Item #	Qty	Part #	Description
All	1	08948	LIQUID FILTER KIT
1	1	07875	FILTER MOUNT - U BOLT TYPE
2	1	04373	PRESSURE FILTER ASSY c/w 80 Mesh (200 Micron Filter)
3	2	27471	U BOLT M8 x 47mm SS
	4	09055	NUT M8 SS
	4	09105	WASHER SPRING M8 SS
4	1	04184	HOSETAIL ELBOW 1 ½" BSP x 38mm HOSE VITON O-RING
5	2	04363	MALE FEMALE COUPLER 1 ½"
6	1	04183	HOSETAIL 1 ½" BSP x 38mm HOSE VITON O-RING

10.0 Accessories

10.1 Liquid System Accessories

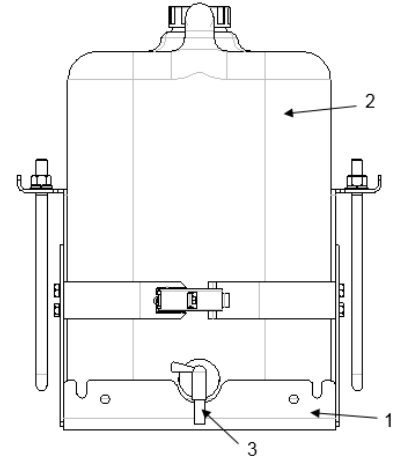
10.1.a ISO Drum Platform



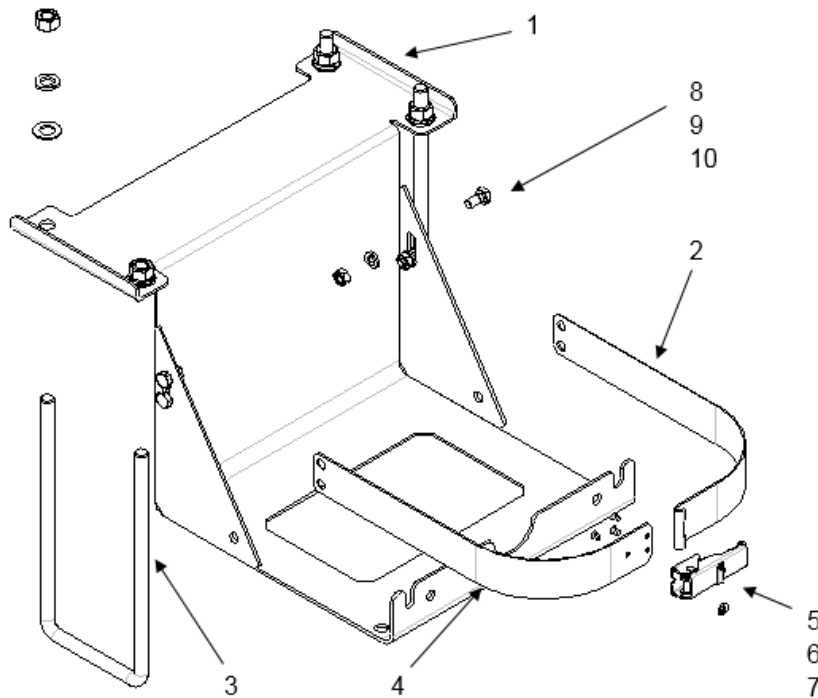
Item #	Qty	Part #	Description
All	1	08812	ISO DRUM PLATFORM ASSY
1	1	08813	ISO DRUM PLATFORM
2	2	03059	U BOLT SET M20 x 202 x 150mm GALV
3	2	34583	U BOLT SET M20 x 102 x 150mm SS (Replaces 05438)
4	2	08830	HALF RING WELDMENT
5	4	12616	FLOOR GRIP 475mm LG
6	16	09124	BOLT M8 x 50mm J HEAD
7	24	09017	WASHER FLAT M8
8	20	09066	WASHER SPRING M8
9	20	09125	NUT M8
10	4	09136	BOLT M8 x 20mm

10.1.b Wash Bottle Assembly

Item #	Qty	Part #	Description
All	1	06980	WASH WATER FRAME ASSY
1	1	06042	20Ltr LIQUID BRACKET ASSY
2	1	09150	WATER CUBE 25Ltr
3	1	09370	TAP SUIT WATER CUBE



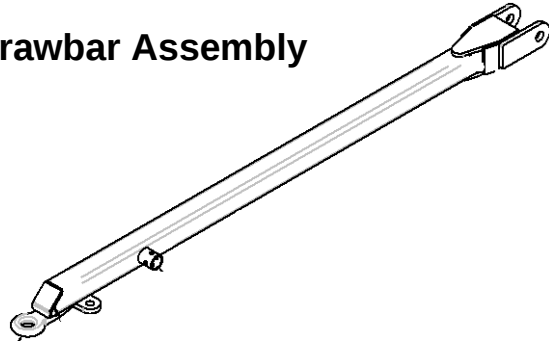
10.1.c Wash Bottle Bracket Kit



Item #	Qty	Part #	Description
All	1	06042	20Ltr LIQUID BRACKET KIT
1	1	06977	BRACKET ASSY
2	1	06726	WATER CONTAINER STRAP RH
3	2	07611	U-BOLT SET M12 x 235mm LG SS
4	1	06979	WATER CONTAINER STRAP LH
5	1	06596	LATCH LOCKING
6	1	09310	WASHER FLAT M5 SS
7	3	09058	RIVET
8	4	09111	SETSCREW M8 x 16mm SS
9	4	09106	WASHER FLAT M8
10	4	09277	NUT NYLOC M8

10.2 Tow Hitch Accessories

10.2.a Multistream Steer Axle Drawbar Assembly



Item #	Qty	Part #	Description
All	1	06523	MULTISTREAM STEER AXLE DRAWBAR ASSY suits 60mm Steerer pin

10.3 Misc Accessories

10.3.a Calibration Equipment

Part #	Description
04250	SCALES 0-120 KG
09282	BUCKET 25Ltr WITH HANDLE

10.3.b Hardware & Consumables

Part #	Description
01092	CABLE TIE 550mm x 13mm
04316	CABLE TIE 290mm x 4.8mm
01011	PAINT 1 Ltr TOUCH UP AUSPLOW GREEN
18053	PAINT SPRAY CAN AUSPLOW GREEN
18073	SIKAFLEX 221 GREY
18118	LOCTITE 5331 PIPE SEALANT

10.3.c Manuals

Part #	Description
00929	OPERATORS MANUAL AUSPLOW MULTISTREAM Series I
00919	AUSPLOW MULTISTREAM Series I SPARE PARTS MANUAL