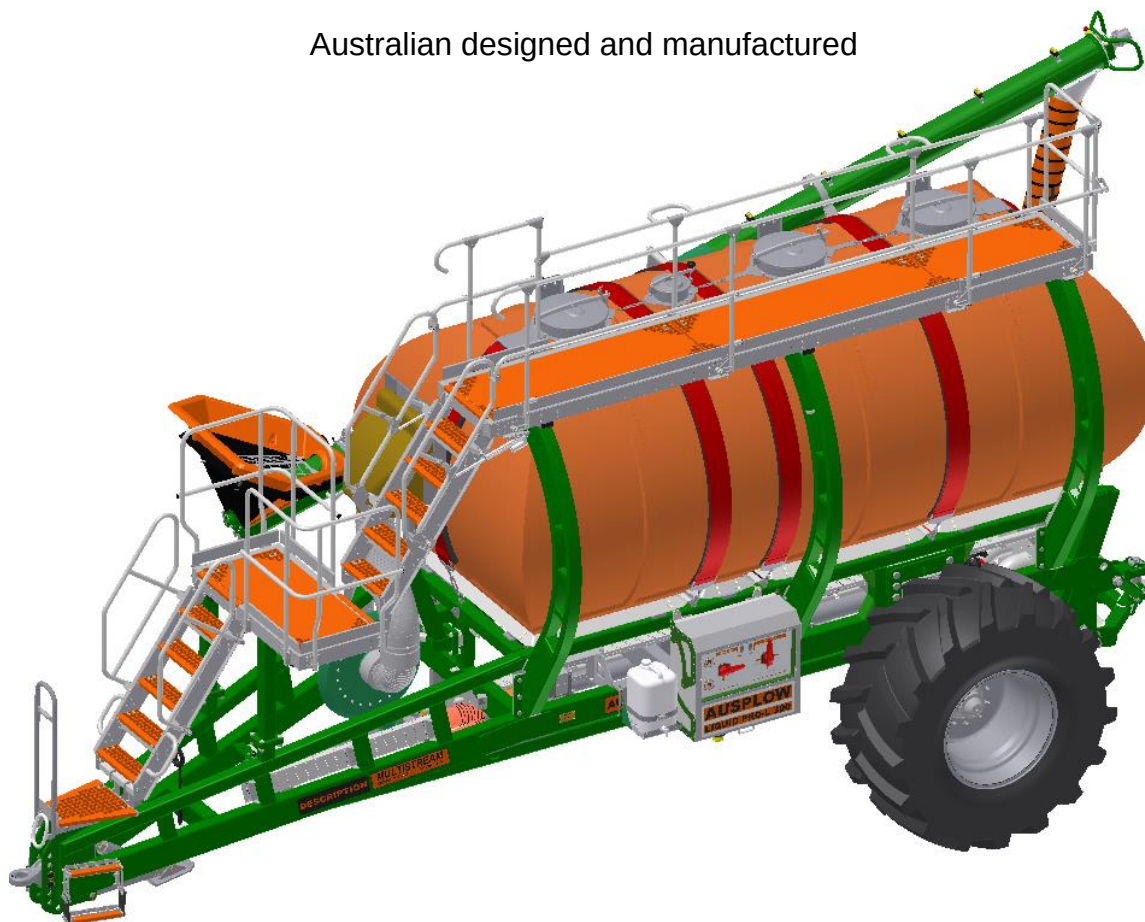


AUSPLOW

Australian designed and manufactured



MULTISTREAM Series II SPARE PARTS MANUAL

VERSION 2.2

#00898

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Information

This spare parts manual is a guide to help identify parts for the **Series II** Multistream introduced in 2018 (all machines down to the M14000). Throughout this manual some generic acronyms will be used:

- ORB: Obsolete Replaced By,
- NLA: No Longer Available,
- BSN: By Serial Number,
- N/A: Not Available or Not Applicable,
- BSO: By Special Order (extended lead times may apply),
- NS: Not Shown,
- NSS: Not Supplied Separately
- AR: As Required,
- SS: Stainless Steel,
- OAH: Over All Height,
- OAL: Over All Length.

The Multistream is built in four basic configurations. They are:

- Drawbar Mount (DB): mounted onto the drawbar of the Auseeder. These are limited to 6000 litres gross capacity.
- Tow Between (TBT): connected between the tractor and Auseeder.
- Tow Behind (TBH): towed behind the Auseeder.
- Compact: seeding bar is close coupled to the rear of the Multistream.

Airseeder's have only two tanks, front one for seed the other for fertiliser. Multistream's have three or more tanks. The front one is for seed, the remainder may be configured in a number of different combinations depending on the size of the tank and the application requirements.

PLEASE NOTE THAT SOME ERRORS MAY BE PRESENT IN THE DATA AND THE DATA MAY BE INCOMPLETE. THIS IS A GUIDE AND IS NOT INTENDED TO COVER EVERY SINGLE PART OR ASSEMBLY VARIATION. CONTACT AUSPLOW PARTS SECTION WITH MACHINE MODEL AND SERIAL NUMBER FOR FURTHER PARTS INFORMATION AS REQUIRED. AUSPLOW PROVIDES THIS INFORMATION IN GOOD FAITH BUT TAKES NO RESPONSIBILITY FOR ANY INACCURACY IN THE INFORMATION.

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

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 9" Blade	40.00		20.00	
01288	Blade Assembly - DBA27-130 7" Blade	50.00		20.00	
western Australia RETURNED X 20 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.

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.**

- Contact the Ausflow Service Manager initially.
- Place a Spare parts order online for replacement parts, add “subject to warranty claim” in the notes section.
- Lodge a Warranty Claim form to our Service Department.
- Upon authorisation from the Service Department, a credit will then be issued from our Accounts Department:

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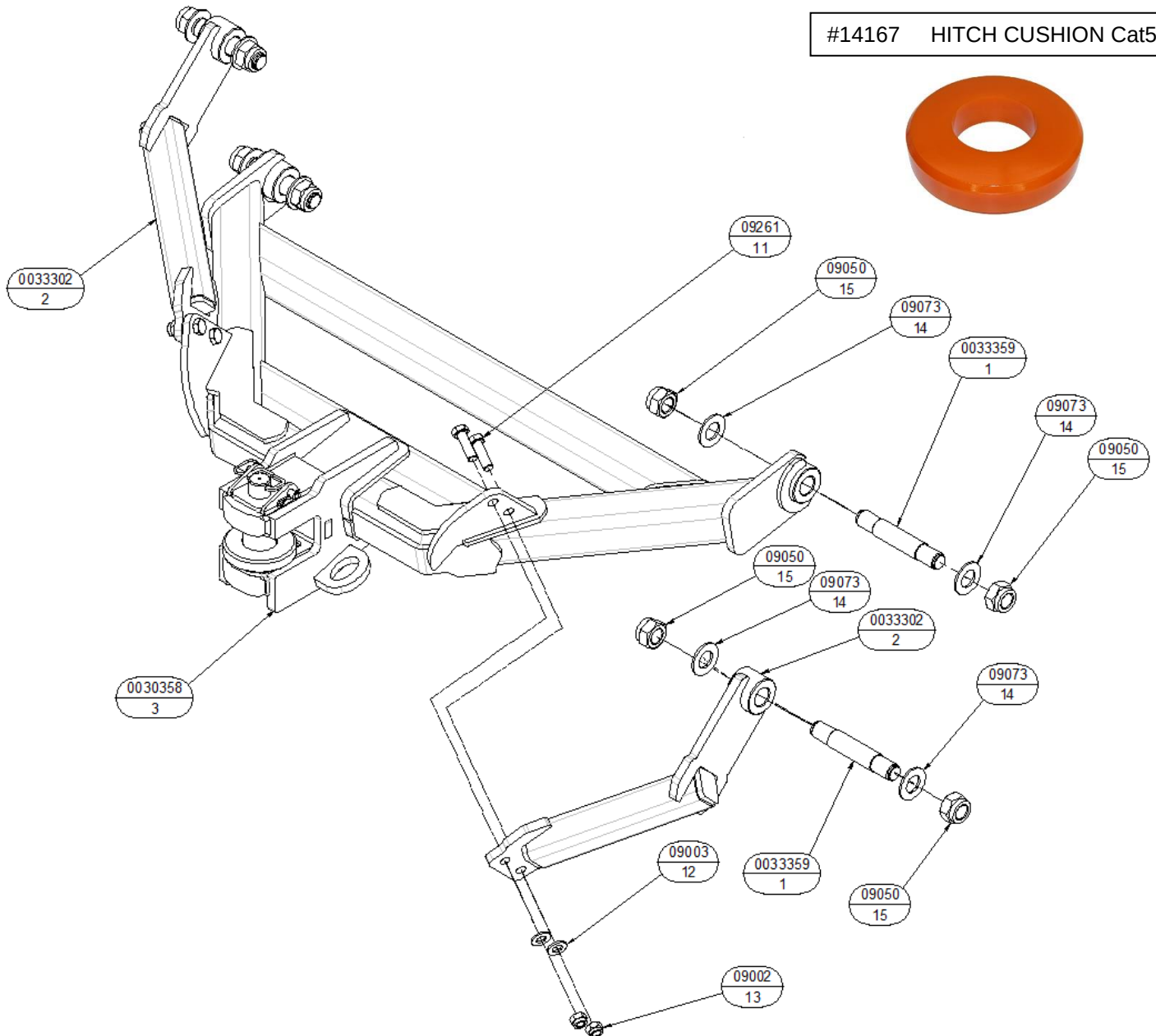
1.0 Tow Hitches & Jacks

1.1 Rear Hitch Assy (Cat 5 & 4) Series II (From Mid 2020 On)

#14168 HITCH CUSHION Cat4



#14167 HITCH CUSHION Cat5

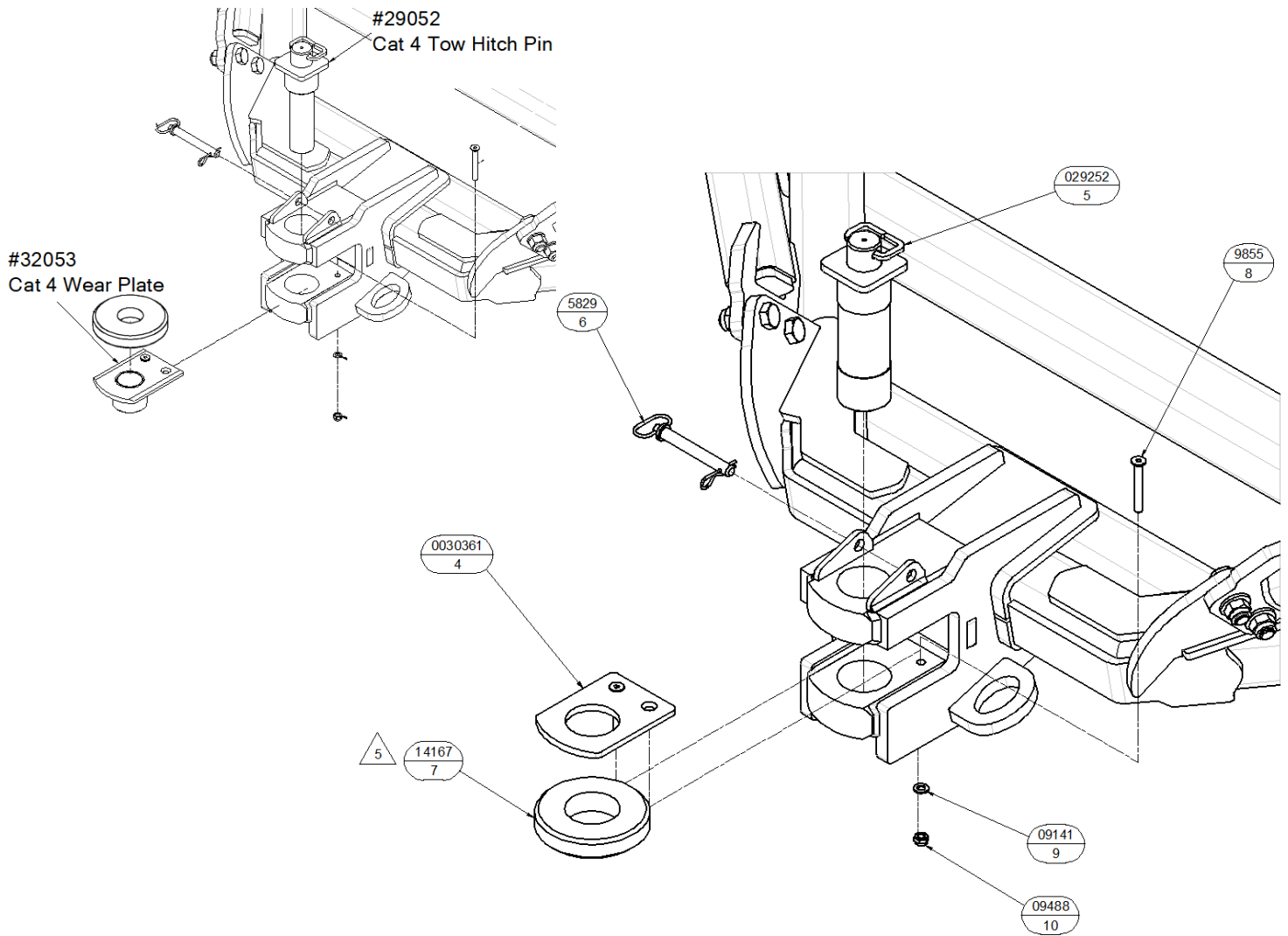


FASTENER TORQUE CHART				
(K=0.2; 65% PROOF LOAD)				
SIZE	TORQUE VALUE [Nm]			
	Gr 8.8	Gr 10.9	Gr 12.9	A4-70
M6	8	11	14	10
M8	20	28	33	12
M10	39	55	66	24
M12	68	96	116	42
M16	173	243	291	100
M20	337	474	569	197

NOTES:

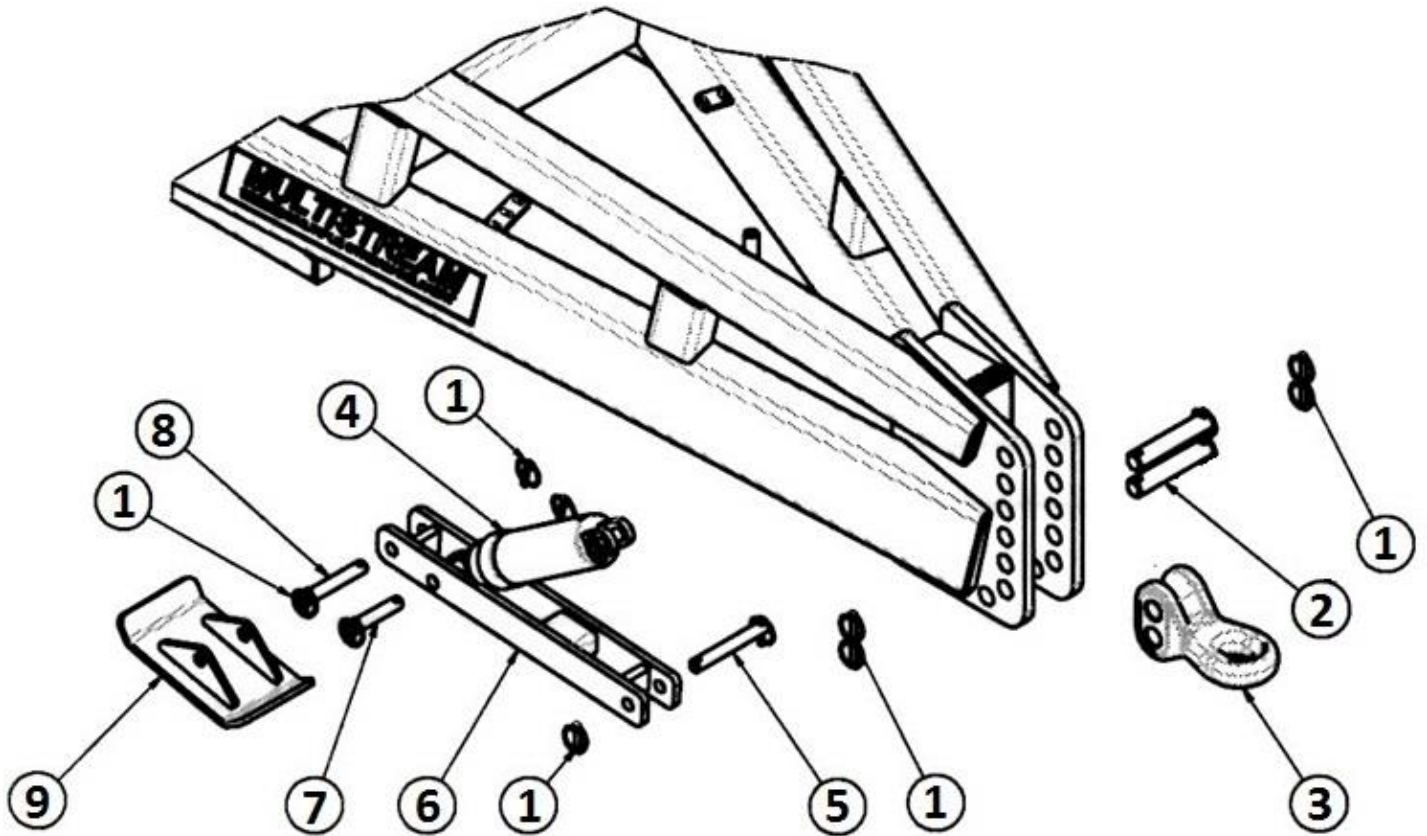
1. ASSEMBLE TOP ARMS WHEN FITTED TO CHASSIS.
2. M20 BOLTS TO BE TORQUED TO 370 Nm DRY.
3. M12 STAINLESS BOLT TO BE LOOSE.
4. M36 NYLOCK NUTS ARE RELATIVELY LOOSE.
TIGHTEN M36 NYLOCK NUTS TO 300 Nm.

Ausplow Multistream Series II Spare Parts Manual



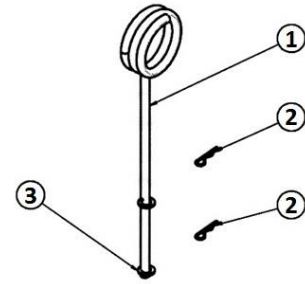
Item #	Qty	Part #	Description
All	1	30360	REAR HITCH ASSY (Cat 5) SERIES II (Cat 4 #32054)
1	4	33359	TOW HITCH ATTACHMENT PIN DIA 32 x 228mm
	APN 33359	29497	TOW HITCH ATTACHMENT PIN DIA 32 x 220mm (Pre mid 2020)
2	2	33302	REAR TOW HITCH TOP LINK
	APN 33302	30346	REAR TOW HITCH TOP LINK (Pre mid 2020)
3	1	30358	REAR TOW HITCH FRAME
4	1	30361	REAR TOW HITCH WEAR PLATE
5	1	29252	TOW HITCH PIN Cat 5 Series II
6	1	05829	JACK MOUNT PIN 5/8"
7	1	14167	HITCH CUSHION WASHER Cat 5
8	2	09855	SCREW M10 x 80mm
9	2	09141	WASHER FLAT M10
10	2	09488	NUT M10 Nylock
11	4	09261	BOLT M20 x 65mm
12	4	09003	WASHER FLAT M20
13	4	09002	NUT M20 Conelock
14	8	09073	WASHER FLAT M36
15	8	09050	NUT M36 Nylock

1.2 Multistream Tongue and Jack



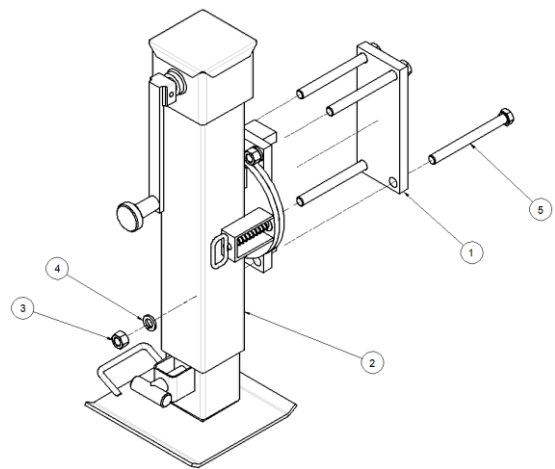
Item #	Qty	Part #	Description
1	AR	09038	LYNCH PIN - 11 x 50mm
2	2	05123	PIN - 36 x 195mm (up to M12000)
	2	11880	PIN - 39 x 207mm (M14000 and larger)
3	1	12889	DRAWBAR TONGUE CAT 4 - 2 x 36mm PINS
	1	14690	DRAWBAR TONGUE CAT 4/5 - 2 x 39mm PINS
	1	14689	DRAWBAR TONGUE CAT 5 - 2 x 36mm PINS
	1	12890	DRAWBAR TONGUE CAT 5 - 2 x 39mm PINS
4	1	06238	CYLINDER HYDRAULIC JACK – 3.5"
		06239	SEAL KIT JACK LIFT CYLINDER – 3.5"
5	1	08935	PIN - 25 x 191mm (up to M15000) or
	1	13857	PIN - 25 x 205mm (M18000 and larger)
6	1	06125	JACK ARM ASSEMBLY
7	1	08933	PIN - 25 x 131mm
8	1	08934	PIN - 25 x 160mm
9	1	06120	FOOT ASSY HYRAULIC JACK

1.3 Hose Support Series II



Item #	Qty	Part #	Description
1	1	05524	HOSE SUPPORT SHORT Suit Series II, to be cut to length
		05524	HOSE SUPPORT 515mm LG Suit Series I
2	2	09032	R-CLIP 3mm WIRE
3	2	09023	WASHER FLAT M16

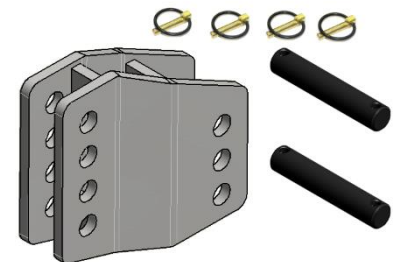
1.4 MS Drawbar Mount Jack



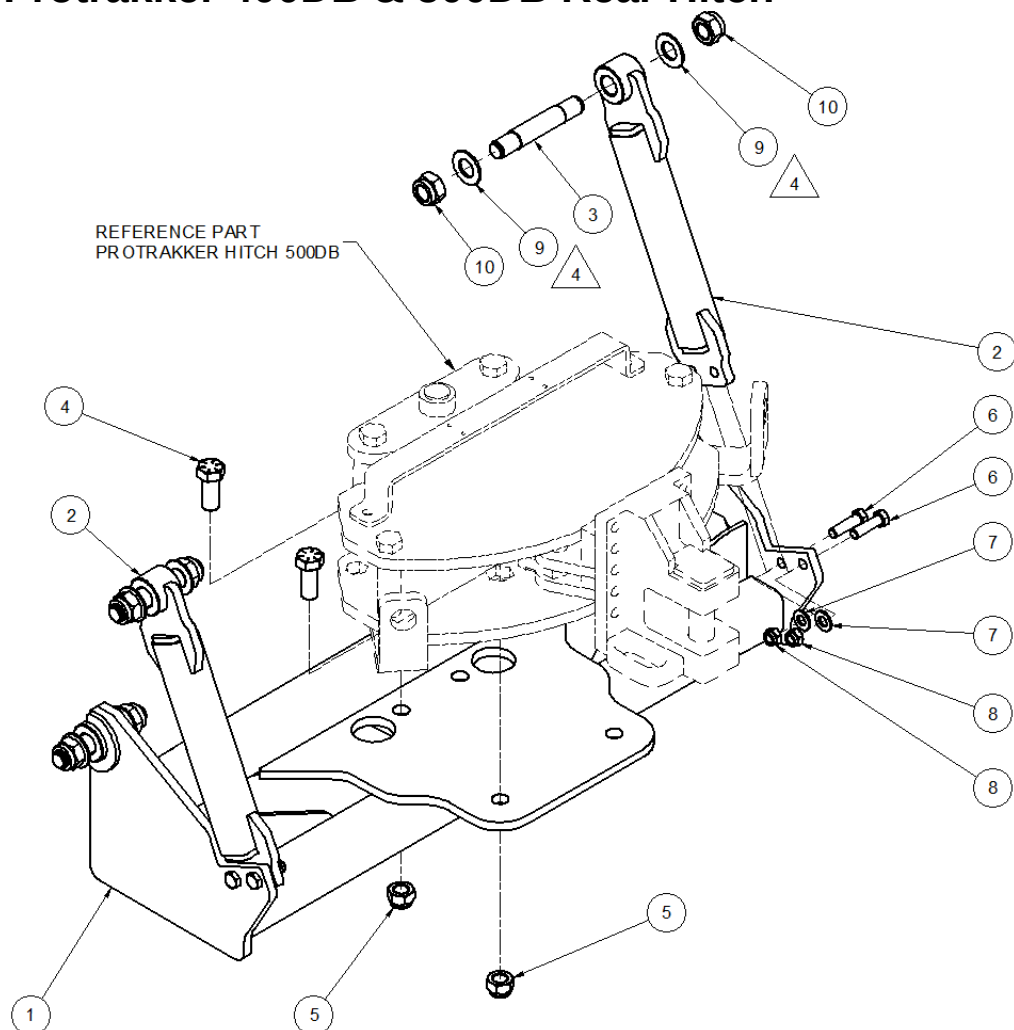
Item #	Qty	Part #	Description
All	1	12655	HEAVY DUTY JACK KIT 4.4T
1	1	11194	JACK MOUNT PLATE
2	1	12631	JACK 4.5T
3	4	09047	NUT M16
4	4	09048	WASHER SPRING M16
5	4	09409	BOLT M16 x 170mm

1.5 Multistream Drawbar Height Kit

Qty	Part #	Description
All	16051	MULTISTREAM DRAWBAR HEIGHT KIT
1	32516	MS DRAWBAR ADAPTOR
2	11880	PIN 39 x 207mm HARDENED
4	09038	LYNCH PINS 11 x 50mm

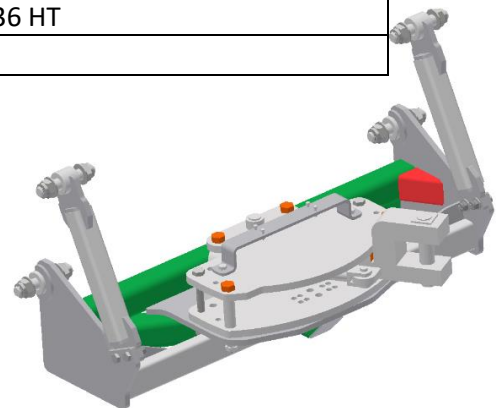
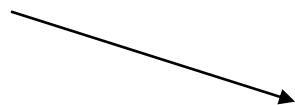


1.6 Protrakker 400DB & 500DB Rear Hitch



Item #	Qty	Part #	Description
All	1	29239	REAR HITCH SERIES II FOR PROTRAKKER 500DB
1	1	29022	V2 LOWER REAR FRAME
2	2	29046	V2 TOP LINK
3	4	33359	PIN 39mm DIA x 228mm LG - M36 Thread
4	4	09820	BOLT HEX 1 1/4" x 3" UNC
5	4	09821	NUT 1 1/4" UNC Conelock
6	4	09731	BOLT M20 x 70mm
7	4	09003	WASHER FLAT M20
8	4	09002	NUT M20 Conelock
9	8	09073	WASHER FLAT M36 HT
10	8	09050	NUT M36 Nylock

#33878 Rear Hitch Series II for Protrakker 400DB



2.0 Axles and Wheels

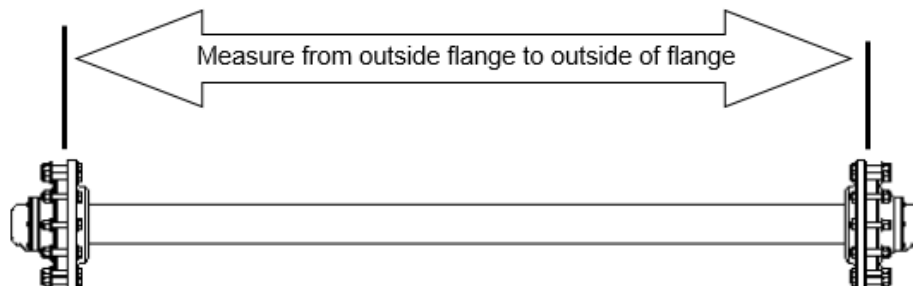
Ausplow uses 110 series and 150 series axles on its Multistreams. The 110 series axle has the number 110 on the hub grease cap, the beam is 100mm square section and hub has 10 studs 22mm in diameter. 110 series axles and hubs are used on both TBT and TBH bins.

The 150 series axle has the number 150 on the hub grease cap, the round beam is 150mm in diameter and the hub has 12 studs 27mm in diameter. It is only used on M18000 TBT bins and larger.

New stub type axles were introduced from 2018.

2.1 Rear Axle

When ordering a replacement axle, the axle width must first be determined. This will differ from the machine track width as the offset of the wheel rim affects the overall track of the machine.

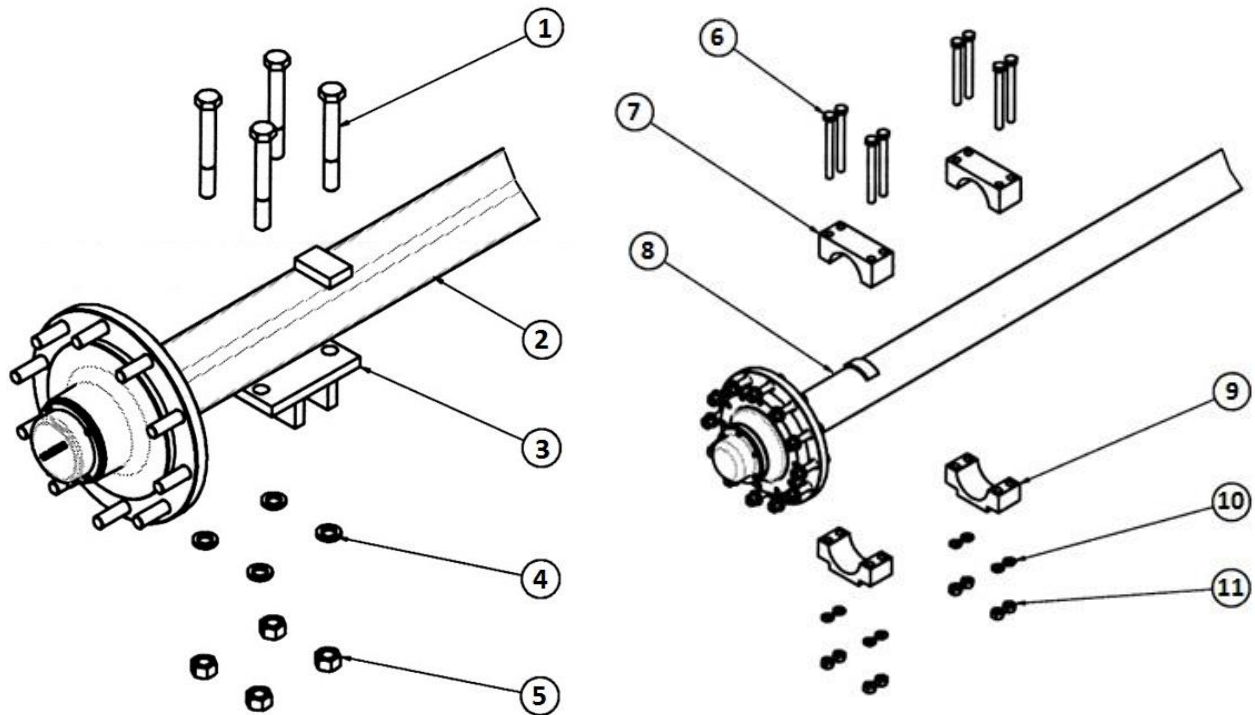


Axle Width F/F (mm)	110 Series Assy Part #	150 Series Assy Part #
2200	08133	N/A
2760	08135	N/A
3070	N/A	11792
3715	N/A	13071
3740	08136	N/A



110 Series	
Axle Width F/F (mm)	Axle Only Part #
2200	27414
2760	27415
3740	27416

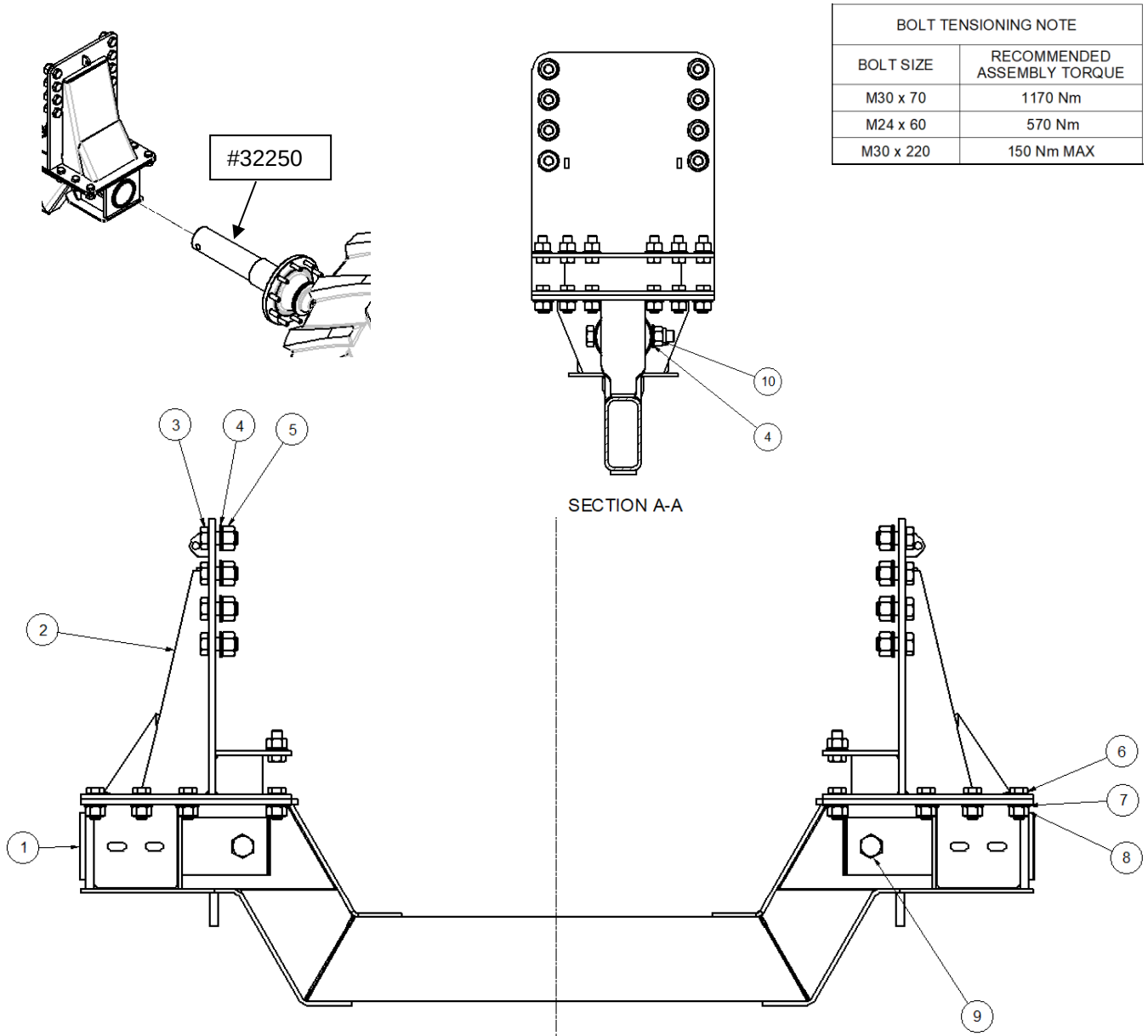
2.1.a Axle Clamps & Fasteners



Item #	Qty	Part #	Description
1	8	09075	HEX HEAD BOLT M24 x 170mm (For 100&110 Series Axles)
2	1	AR	AXLE 100 or 110 SERIES
3	2	08162	AXLE LOWER CLAMP PLATE
4	8	09043	WASHER SPRING M24 ZP
5	8	09204	NUT M24 Type 8
6	16	09458	BOLT M24 x 240mm G8.8 ZP (For 150 Series Axles)
7	4	11673	AXLE SUPPORT BLOCK UPPER - 150 SERIES
8	1	AR	AXLE ASSY 150 SERIES
9	4	11697	AXLE SUPPORT BLOCK LOWER - 150 SERIES
10	16	09043	WASHER SPRING M24 ZP
11	16	09204	NUT M24 Type 8

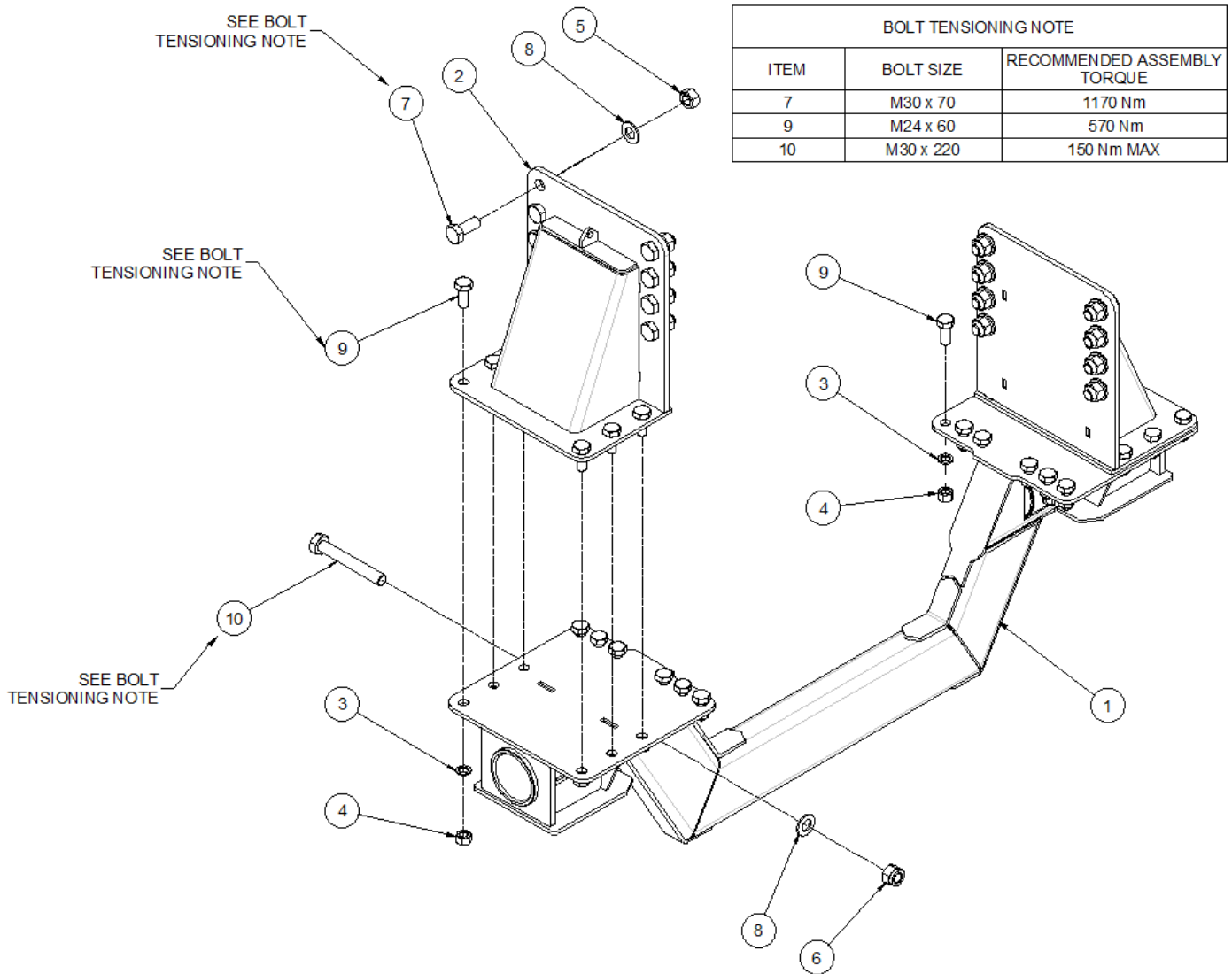
Always apply grease to threads and washer faces when fitting axle bolts.

2.1.b Axle Assy – Stub 110 Series Axle 2267 LG



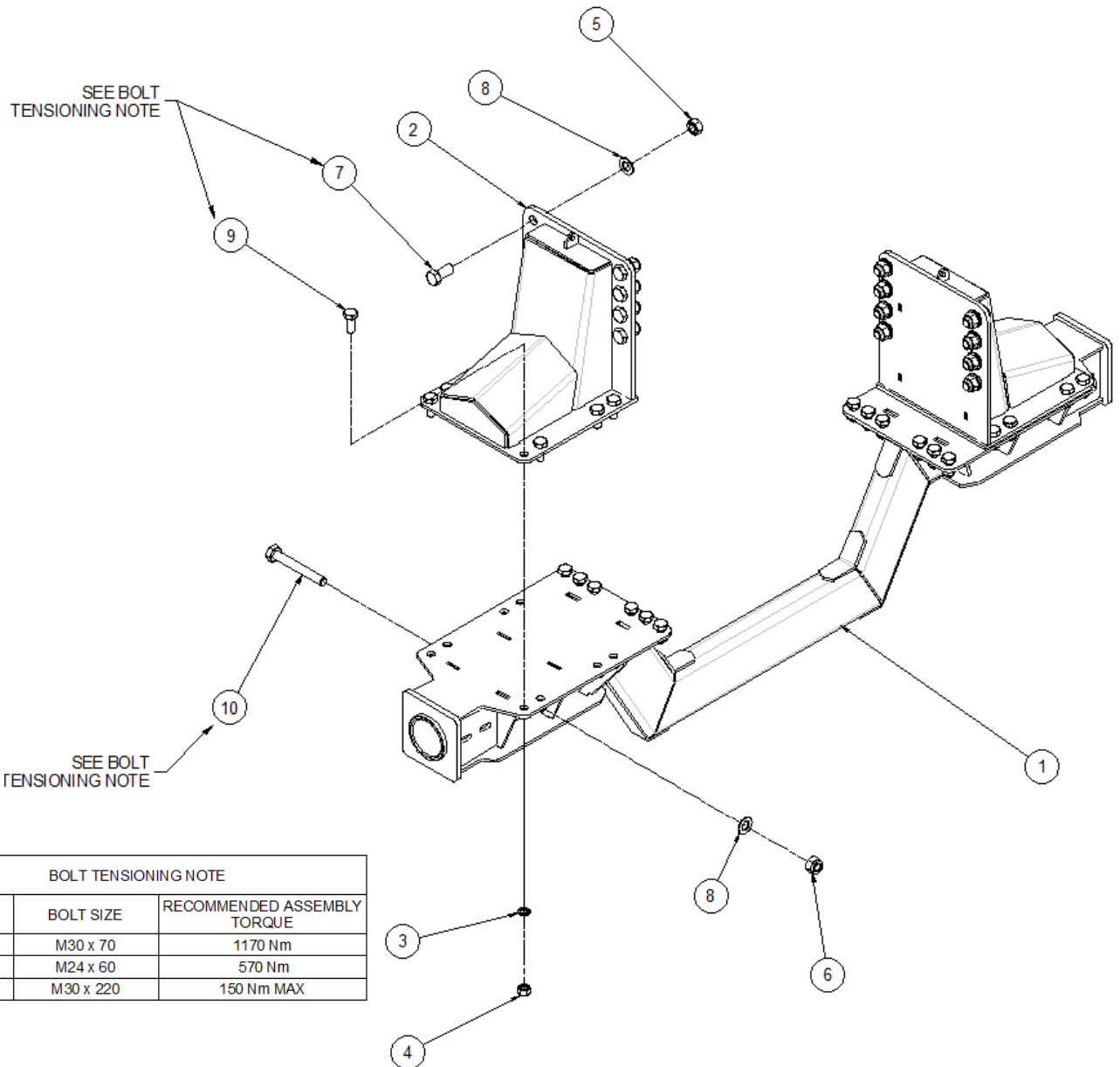
Item #	Qty	Part #	Description
All	1	32228	AXLE ASSY 110 SERIES x 2267LG
1	1	32215	AXLE BEAM 110 SERIES
2	2	30107	AXLE SUPPORTS
3	16	09486	BOLT M30 x 70mm
4	18	09539	WASHER FLAT M30
5	16	09307	NUT M30
6	36	09829	BOLT M24 x 60mm
7	36	09029	WASHER FLAT M24
8	36	09204	NUT M242
9	2	09830	BOLT M30 x 220mm
10	2	09358	NUT M30 Nylock

2.1.c Axle Assy – Stub 150 Series 2267 LG



Item #	Qty	Part #	Description
All	1	30511	MS SERIES II AXLE ASSY 2267 LG Used with 900/60 R32 Wheels & R42 Wheels
		30139	MS SERIES II AXLE ASSY 2267 LG (24.5/30.5) Used with smaller than 900/60 R32 Wheels
1	1	29737	AXLE BEAM 3m - 150 SERIES 2267 LG
2	2	29880	AXLE SUPPORTS
3	24	09029	WASHER FLAT M24
4	24	09204	NUT M24
5	16	09307	NUT M30
6	2	09358	NUT M30 Nylock
7	16	09486	BOLT M30 x 70mm
8	18	09539	WASHER FLAT M30
9	24	09829	BOLT M24 x 60mm
10	2	09830	BOLT M30 x 220mm

2.1.d Axle Assy – Stub 150 Series 3715 F/F

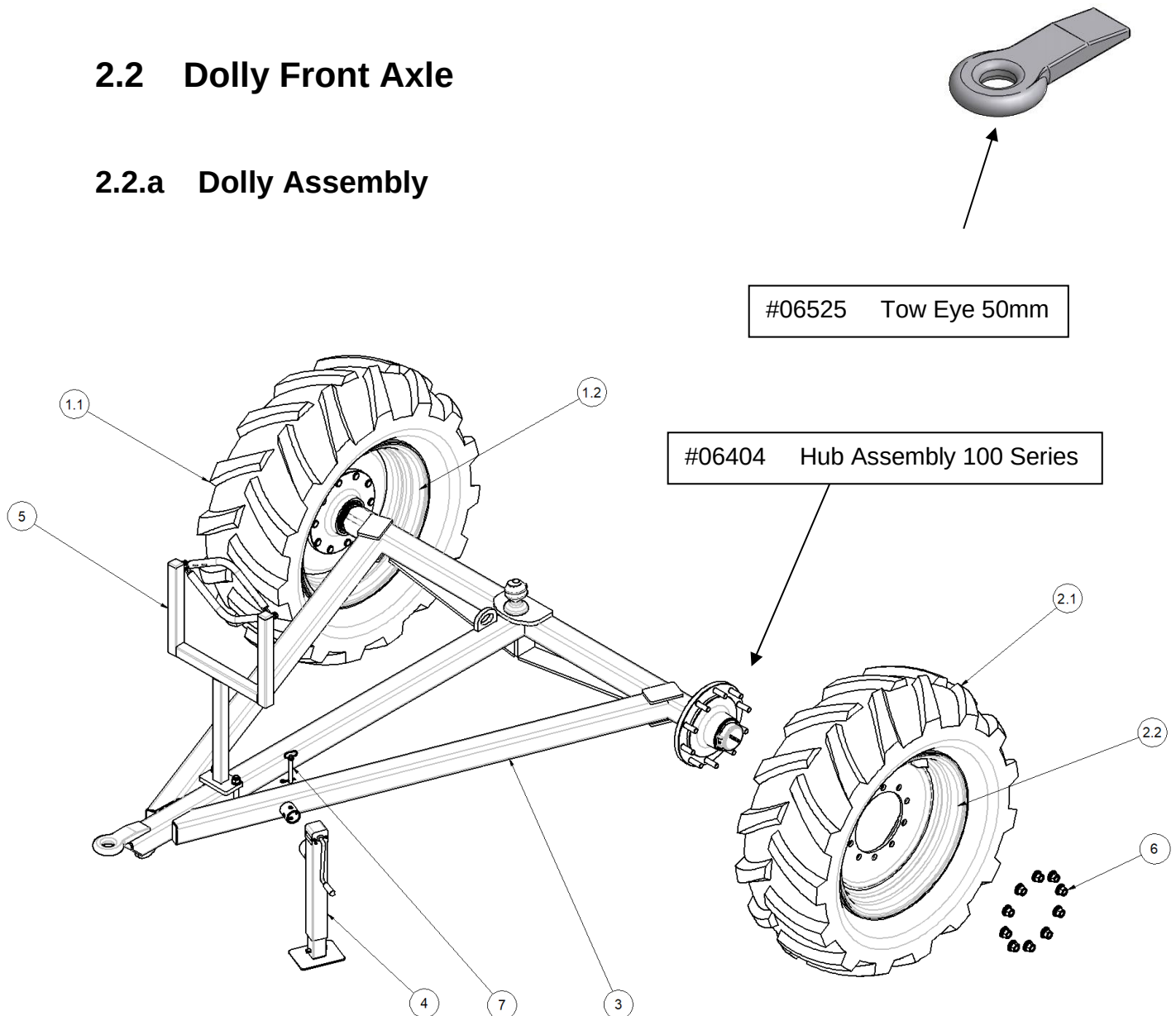


BOLT TENSIONING NOTE		
ITEM	BOLT SIZE	RECOMMENDED ASSEMBLY TORQUE
7	M30 x 70	1170 Nm
9	M24 x 60	570 Nm
10	M30 x 220	150 Nm MAX

Item #	Qty	Part #	Description
All	1	29457	MS SERIES II AXLE ASSY 3715 F/F
1	1	29378	AXLE BEAM 150 SERIES 3050 LG
2	2	29379	AXLE SUPPORTS
3	28	09029	WASHER FLAT M24
4	28	09204	NUT M24
5	16	09307	NUT M30
6	2	09358	NUT M30 Nylock
7	16	09486	BOLT M30 x 70mm
8	18	09539	WASHER FLAT M30
9	28	09829	BOLT M24 x 60mm
10	2	09830	BOLT M30 x 220mm

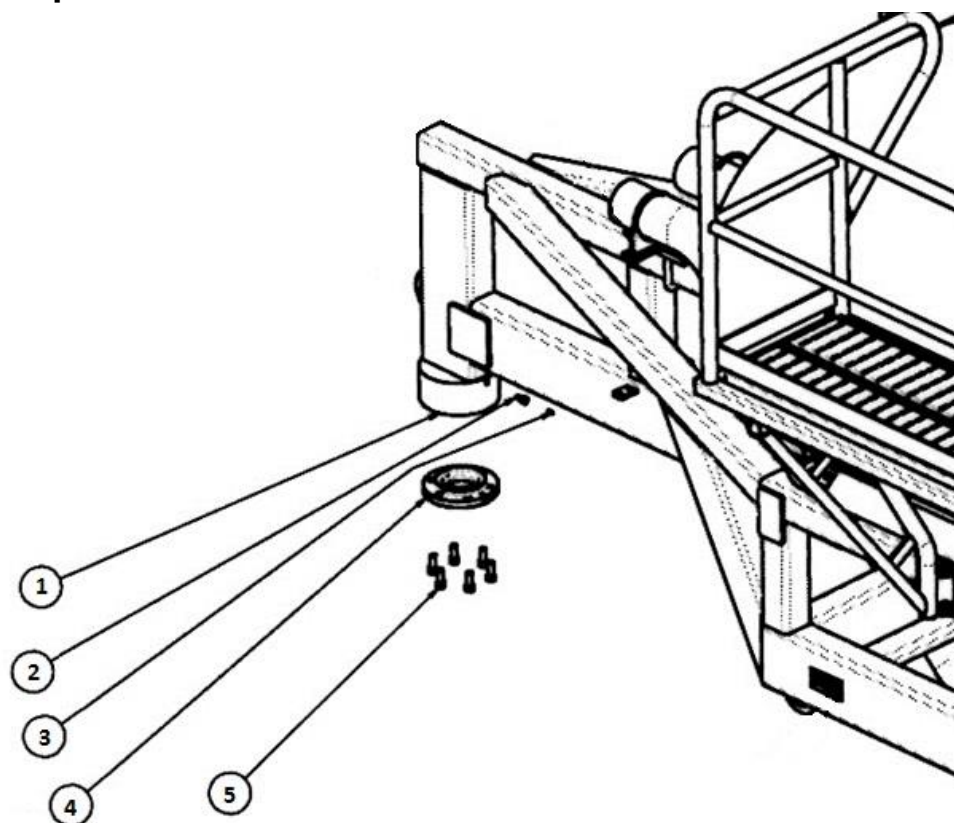
2.2 Dolly Front Axle

2.2.a Dolly Assembly



Item #	Qty	Part #	Description
All	1	12728	DOLLY ARRANGEMENT 2200 WIDE
	1	12311	DOLLY ARRANGEMENT 2760 WIDE
1	1	27083	WHEEL ASSY 14.9 x 28 - 8 Ply RH
1.1	1	14366	TYRE 14.9 x 28 - 8 Ply
1.2	1	04246	RIM DW13 x 28 / 0 Offset
2	1	27084	WHEEL ASSY 14.9 x 28 - 8 Ply LH
2.1	1	14366	TYRE 14.9 x 28 - 8 Ply
2.2	1	04246	RIM DW13 x 28 / 0 Offset
3	1	11572	FRAME DOLLY 2200 WIDE - 100 SERIES
	1	12312	FRAME DOLLY 2760 WIDE - 100 SERIES
4	1	12243	JACK 3T TUBE MOUNT (No pin)
5	1	07182	HOSE SUPPORT TBH BIN
6	20	15502	WHEEL NUT M22 x 1.5mm Revolving
7	1	05829	JACK MOUNT PIN 5/8"

2.2.b Dolly Components



1	1	08263	MULTISTREAM CHASSIS TBH 3 TANK
2	1	06321	BOLT M12 x 5mm WITH GREASE HOLE
3	1	09001	GREASE NIPPLE ¼ BSW
4	1	05245	BALL HITCH RETAINER MATCHED PAIR
5	6	09225	SCREW M16 x 40mm



Safety Chain 1000mm LG
Part # 26887

Safety Chain 300mm LG
Part # 26881

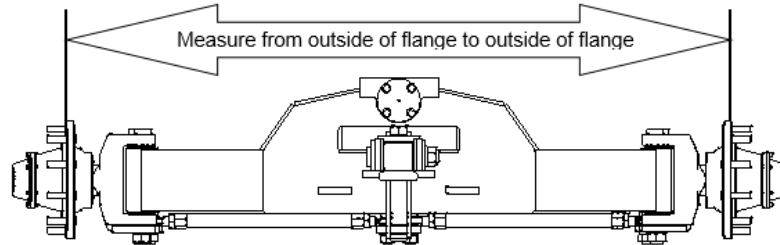


Pin Kit 35x185mm c/w lynch pin
Part # 09221



2.3 Steering Front Axle

When ordering steer axle components, the flange to flange width must be known. This will differ from the track width of the machine as the rim offset is not included.



The Multistream Steer Axle was upgraded in 2018. These upgrades include changes to the Steer Axle Drawbar and Pull Yoke that now utilise a larger 60mm in diameter M36 Steering Pin (was 40mm dia).

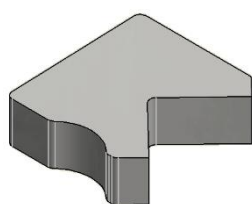
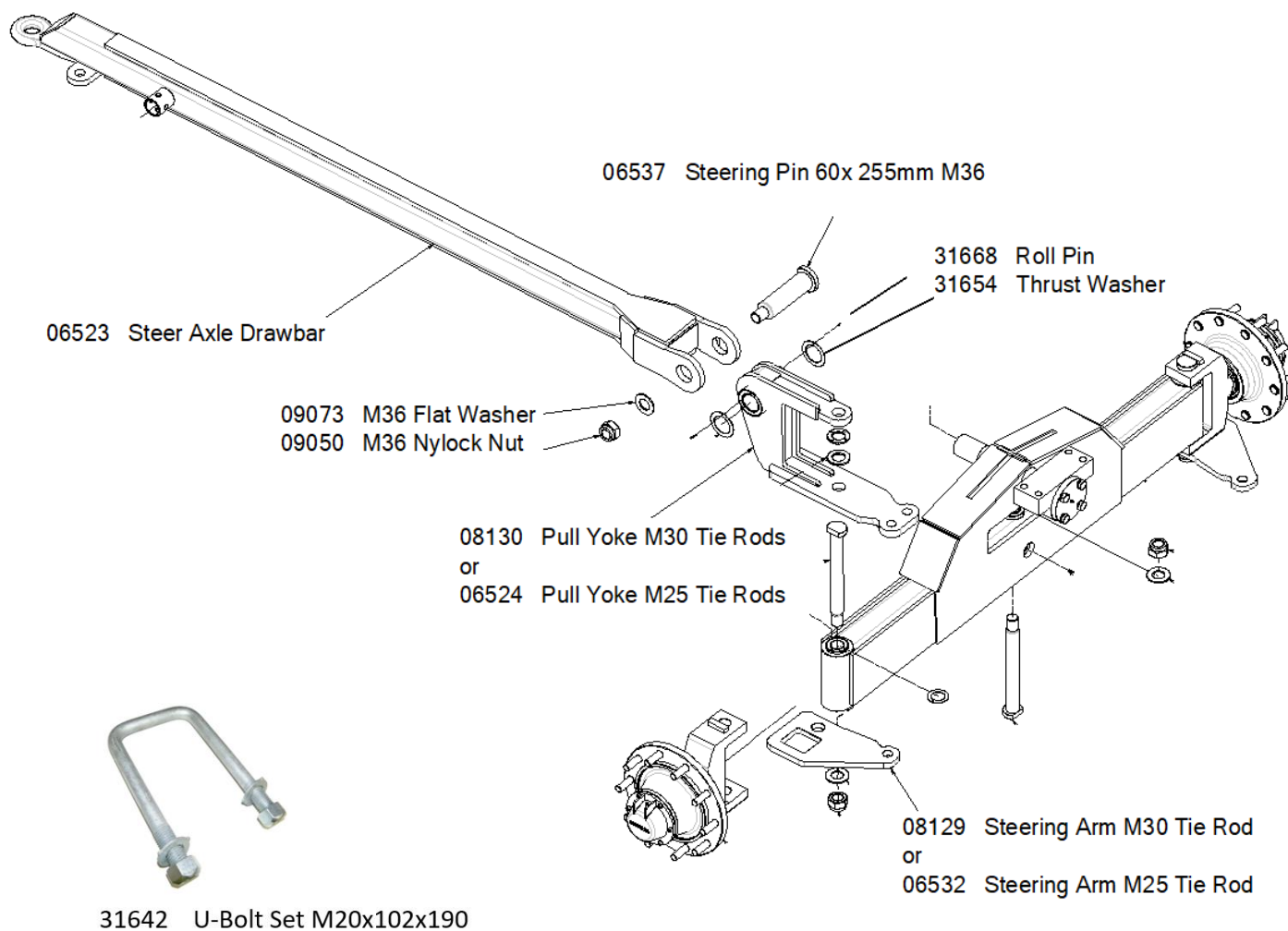
Machine owners requiring replacements for older 40mm Steering Pin, Pull Yokes and Drawbars will require to upgrade their steering system to the new 60mm Steering Pin and associated parts.

To help with the changeover, these parts can be purchased as a Kit:

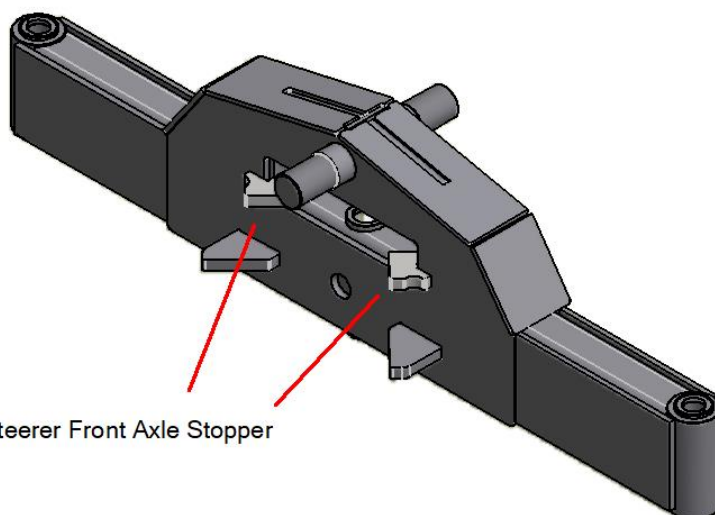
#16078 MS Steerer Upgrade Kit – Suit M30 Tie Rods

Please Note: 30664 Steerer Front Axle Stoppers x 2 will require welding onto the axle in the positions shown below. Individual spare parts for the new 60mm Steering system can be purchased as follows:

Part #	Description	M30 kit #16078
06537	Steering Pin 60Dia x 224mm LG M36	X1
09073	Flat Washer M36	X1
09050	Nylock Nut M36	X1
08130	Pull Yoke M30 Tie Rod Bolts	X1
06523	Steer Axle Drawbar with Ring Hitch	X1
31654	Thrust Washer EGW62-EG40	X2
31668	Roll Pin 6x8mm	X2
08129	Steering Arm M30 Tie Rod	X2
30664	Steerer Front Axle Stopper	X2
31642	U Bolt Set M20x102x190 Galv	X1

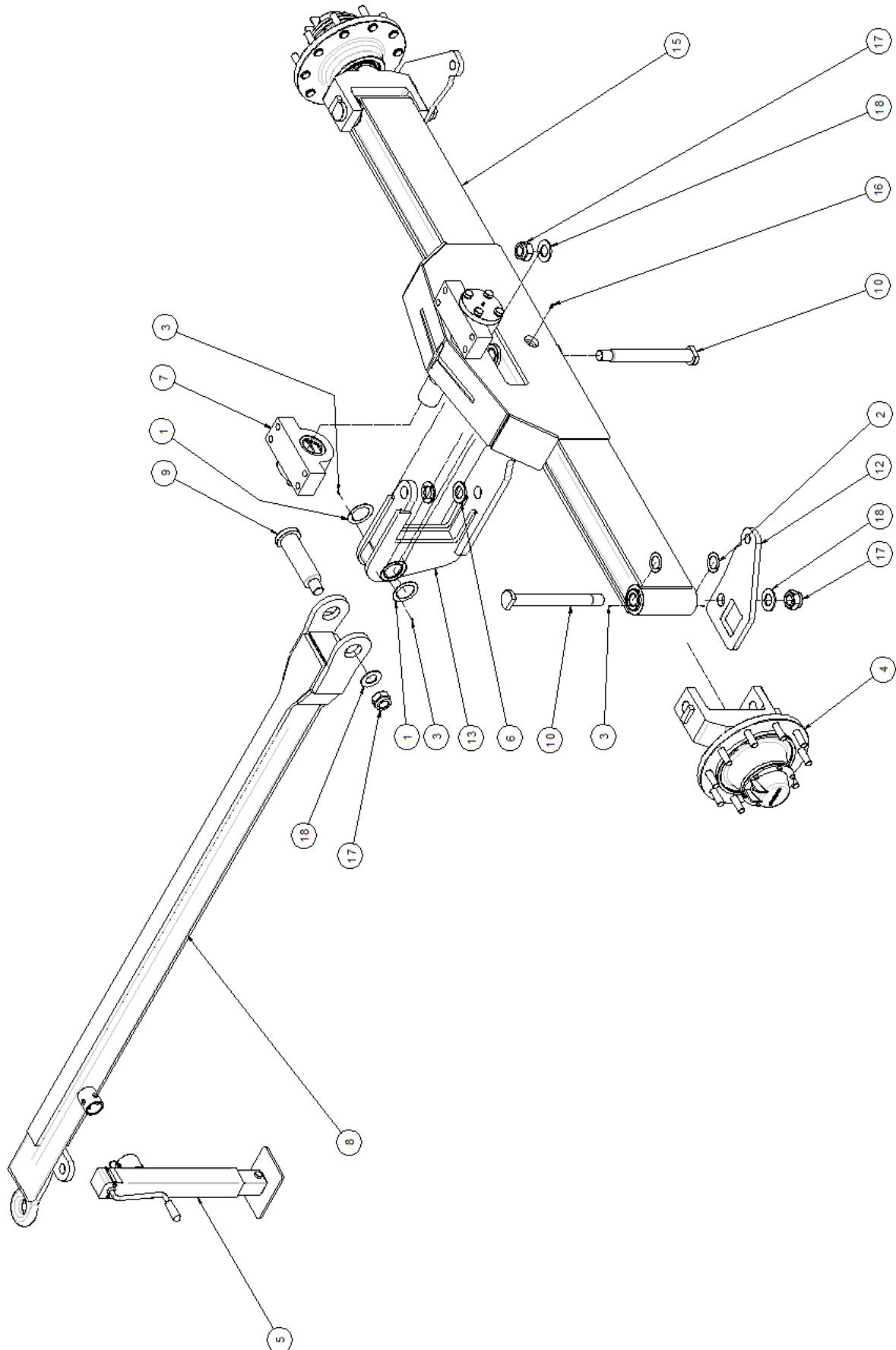


30664 Steerer
Front Axle Stopper



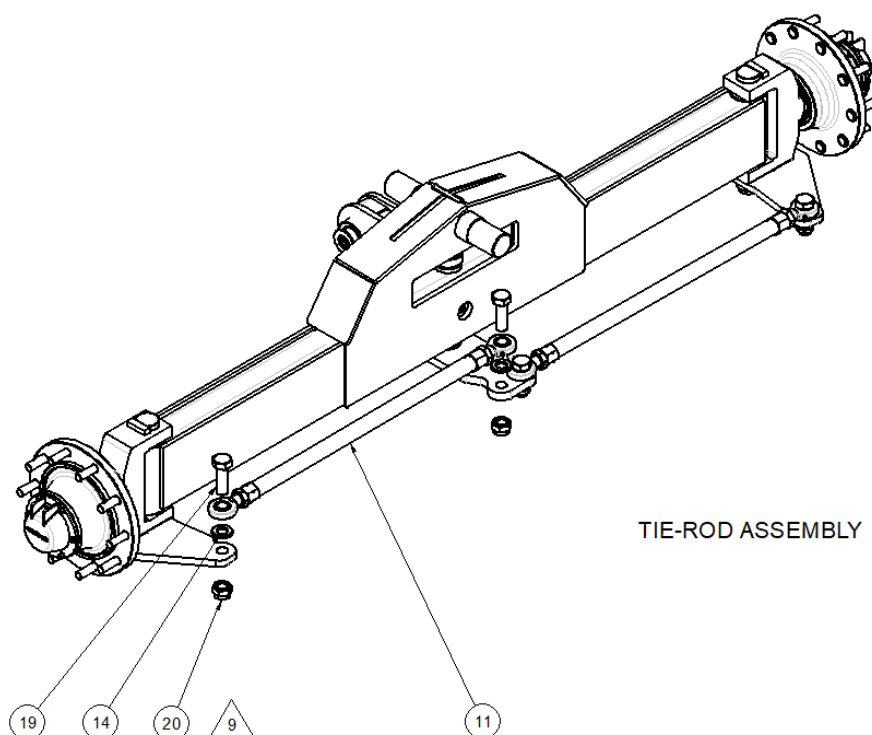
30664 Steerer Front Axle Stopper

2.3.a Steering Axle Assembly Fixed Track

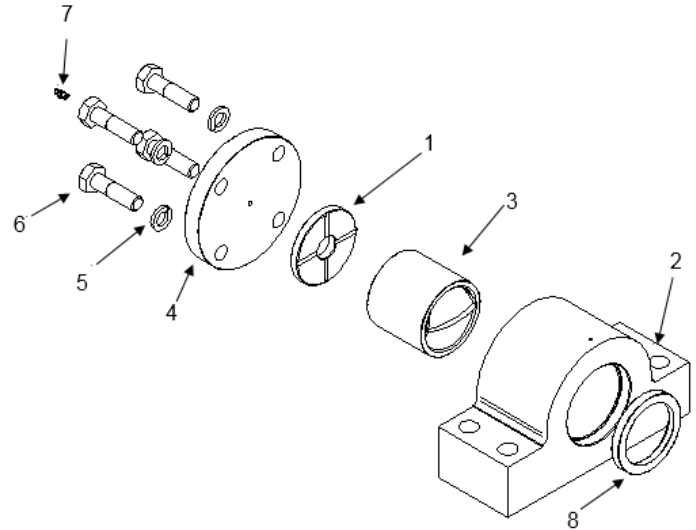


Ausplow Multistream Series II Spare Parts Manual

Item #	Qty	Part #	Description
ALL	1	08139	STEER AXLE 2200 WIDE-110 SERIES WITH RING HITCH
ALL	1	08140	STEER AXLE 2760 WIDE-110 SERIES WITH RING HITCH
1	2	31654	THRUST WASHER EGW62
2	4	31657	THRUST WASHER EGW42
3	6	31668	ROLL PIN 4 x 8mm
4	2	26936	STEERING KNUCKLE & HUB 110 SERIES
5	1	01153	JACK ASSY 3T TUBE MOUNT c/w PIN
6	2	06504	THRUST WASHER STEERING
7	2	06520	MAIN PIVOT CHASSIS MOUNT
8	1	06523	STEER AXLE DRAWBAR WITH RING HITCH Suits 60mm dia Steerer pin
9	1	06537	STEERER PIN 60Dia x 224mmLG M36 was a 40 Dia x 224 M36 pin in 2018
10	3	06538	STEERING PIN M36 x 364mm
11	2	08123	TIE ROD ASSEMBLY WITH ENDS SUIT 2200, 1 x RH END, 1 x LH END -M30 THREAD
	2	08125	TIE ROD ASSEMBLY WITH ENDS SUIT 2760, 1 x RH END, 1 x LH END -M30 THREAD
12	2	08129	STEERING ARM suits M30 ROD END
13	1	08130	PULL YOKE COMPLETE M30 TIE ROD BOLTS suits new 60mm Steerer pin.
14	4	08150	SPACER TIE ROD END 30 ID x 6mm
15	1	08145	AXLE BEAM c/w BUSHES - 2200 WIDE V2
	1	08153	AXLE BEAM c/w BUSHES - 2760 WIDE V2
16	1	09001	GREASE NIPPLE
17	4	09050	M36 NYLOCK NUT
18	4	09073	M36 FLAT WASHER HARDENED
19	4	09311	M30 x 90mm BOLT
20	4	09358	NUT M30 Nyloc

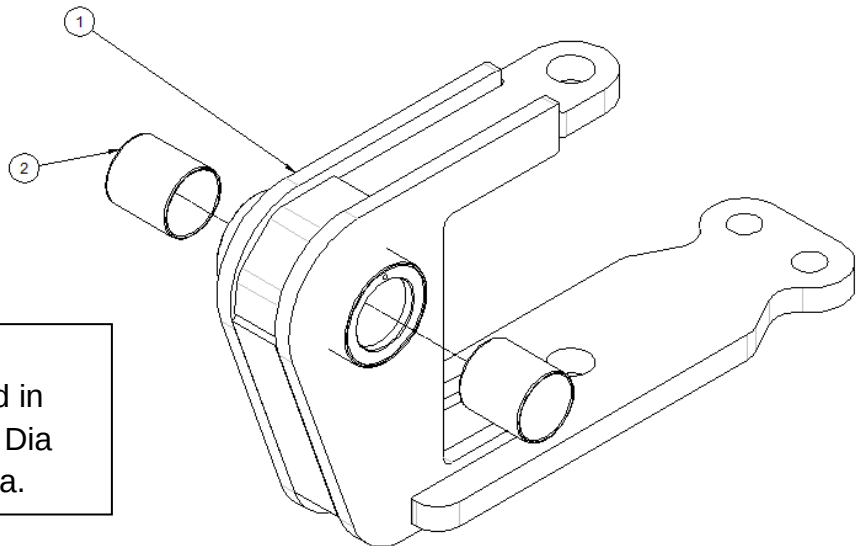


2.3.b Main Pivot onto Chassis



Item #	Qty	Part #	Description
ALL		06520	MAIN PIVOT CHASSIS MOUNT
1	1	06503	THRUST WASHER 85 OD
2	1	06517	MAIN PIVOT HOUSING
3	1	06502	BUSH MAIN PIVOT
4	1	06521	MAIN PIVOT CAP
5	4	09048	WASHER SPRING M16
6	4	09046	BOLT M16 x 60mm
7	1	09001	GREASE NIPPLE
8	1	09219	SEAL DOUBLE LIP 70 x 90mm OD

2.3.c Steering Axle Pull Yoke

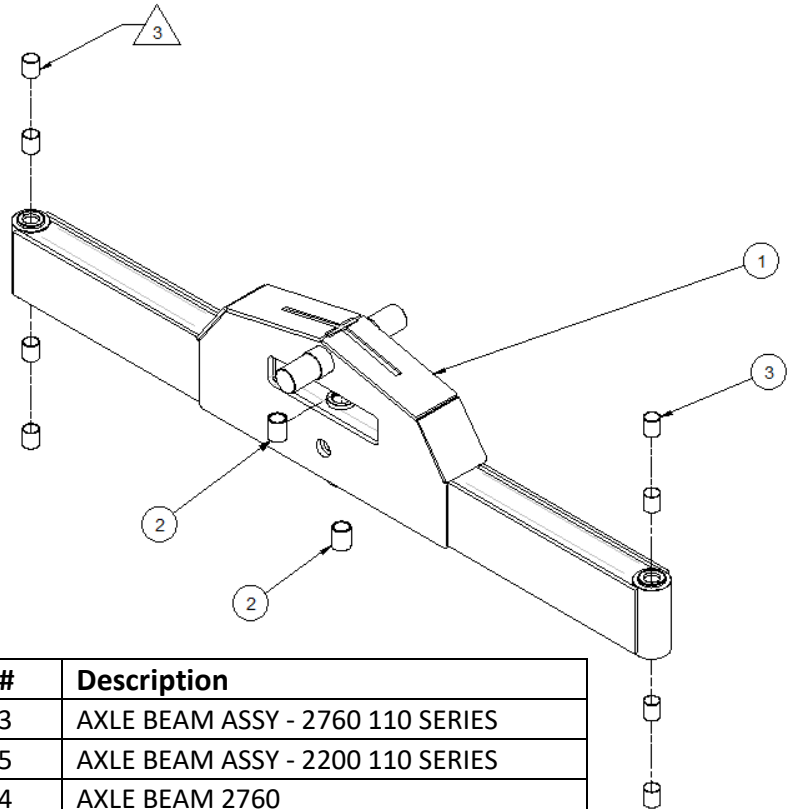


Please Note:

08130 M30 Yoke changed in 2018 to now use a 60mm Dia steerer pin, was 40mm Dia.

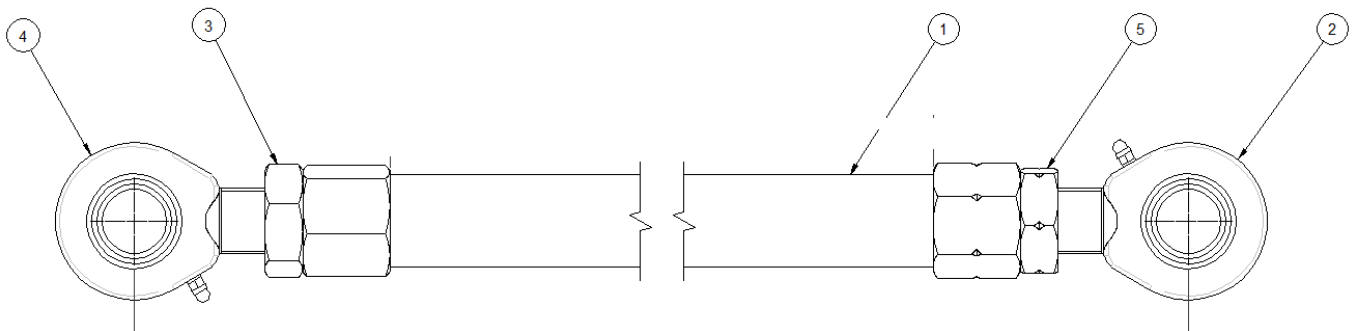
Item #	Qty	Part #	Description
1 & 2		08130	PULL YOKE COMPLETE M30 Suit 60mm Steerer Pin
2	2	31653	BUSH 60 ID x 65OD x 70mm LG

2.3.d Steering Axle Beam



Item #	Qty	Part #	Description
All	1	08153	AXLE BEAM ASSY - 2760 110 SERIES
	1	08145	AXLE BEAM ASSY - 2200 110 SERIES
1	1	08154	AXLE BEAM 2760
	1	08142	AXLE BEAM 2200
2	2	09069	BUSH BRONZE 40 ID x 50 OD x 60mm LG
3	8	31658	BUSH 40ID x 44OD x 50mmLG

2.3.e Steering Axle Tie Rod

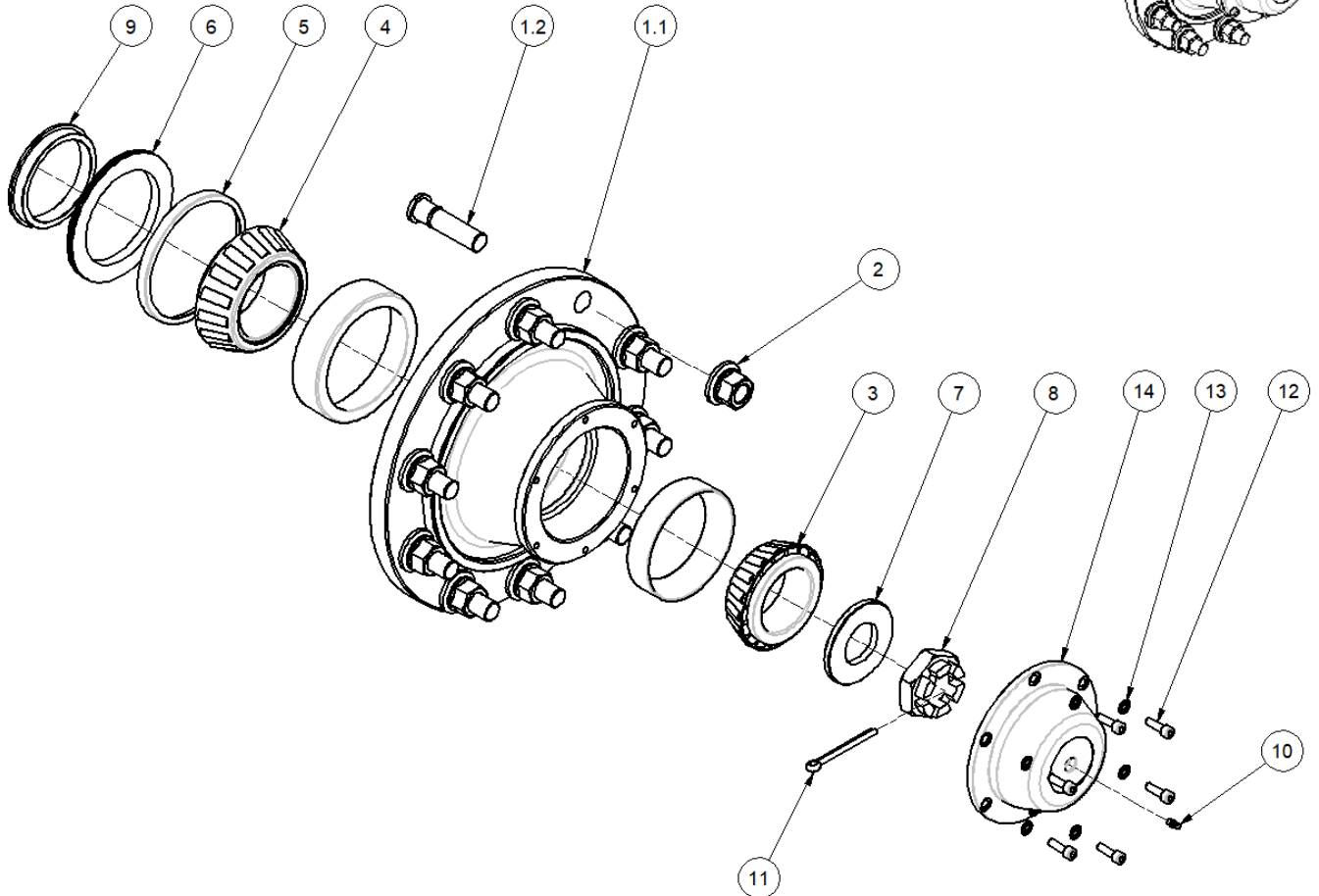
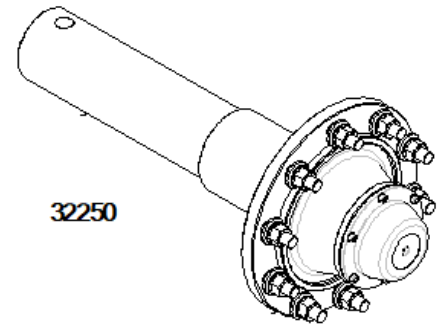


Item #	Qty	Part #	Description
All	2	08123	TIE ROD ASSY - SUIT 2200 WITH M30 THREAD
	2	08125	TIE ROD ASSY - SUIT 2760 WITH M30 THREAD
1	2	08124	TIE ROD SUIT 2200, 1 x RH END, 1 x LH END -M30 THREAD 625mm LG
	2	08126	TIE ROD SUIT 2760, 1 x RH END, 1 x LH END -M30 THREAD 905mm LG
2	1	09411	ROD END 30mm LH THREAD, TAKES M30 BOLT
3	1	09305	HEX NUT THIN M30 x 2mm (FINE) R/H
4	1	09304	ROD END 30mm RH THREAD, TAKES M30 BOLT
5	1	11260	HEX NUT THIN M30 x 2mm (FINE) L/H

2.4 Hubs

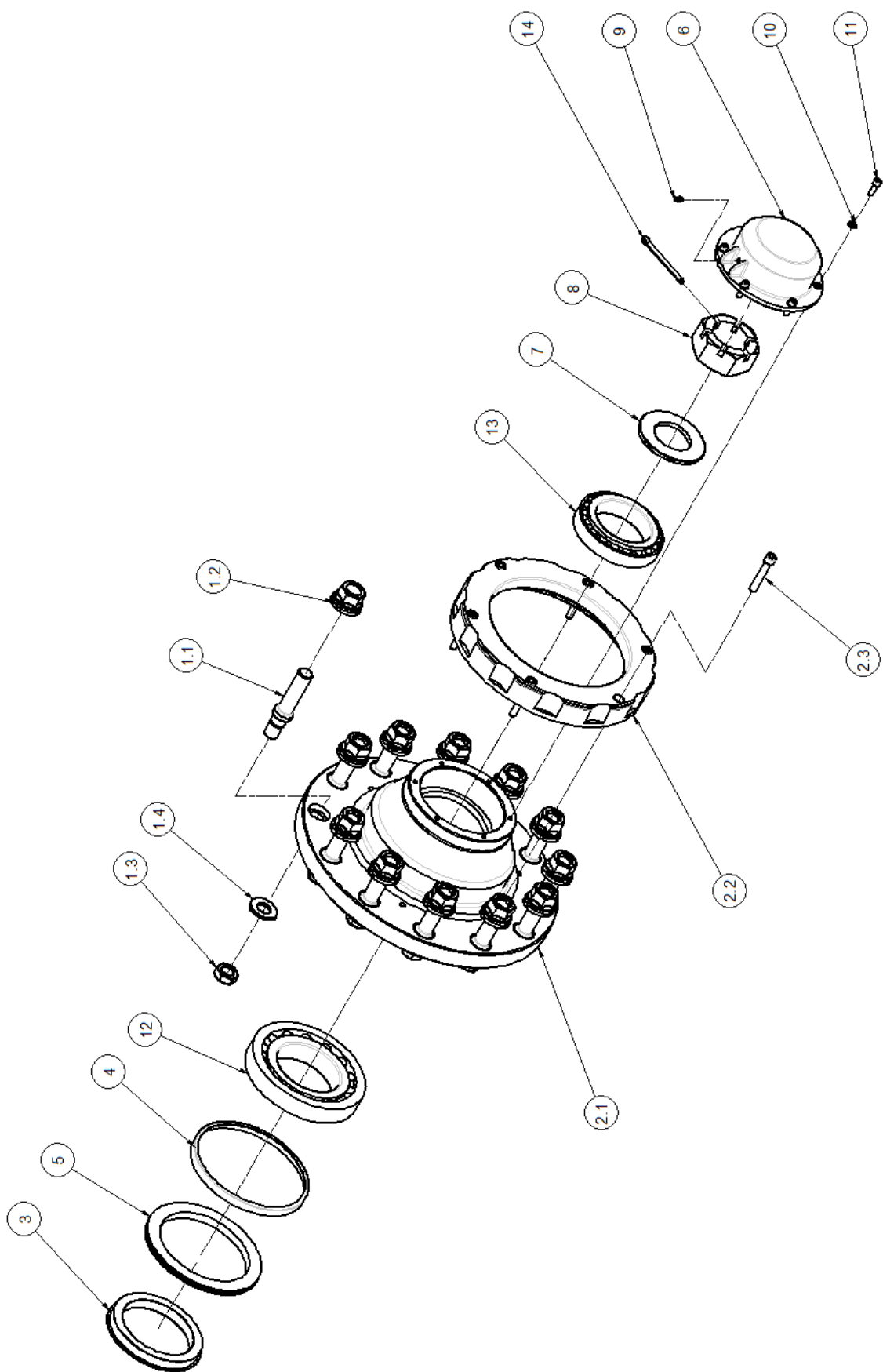
2.4.a Hubs 110 Series

(For 100 Series Hub see Multistream Series I Spare Parts manual)



Item #	Qty	Part #	Description
ALL	1	06468	HUB ASSEMBLY 110 SERIES
		32249	HUB ASSY 110 SERIES FOR STUB AXLES (32250)
1.1	1	04291	HUB 110 SERIES c/w STUDS
1.2	10	04205	WHEEL STUD M22 x 80mm
2	10	15502	Wheel Nut M22 x 1.5 REVOLVING
3	1	04293	BEARING OUTER
4	1	04292	BEARING INNER
5	1	04264	SEAL WEAR RING 100/110 SERIES
6	1	04265	SEAL LABYRINTH 100/110 SERIES
7	1	04294	WASHER STUB AXLE 110 SERIES
8	1	04263	NUT CASTLATED M45
9	1	04295	SEAL RING STUB AXLES 110 SERIES
10	1	04278	GREASE NIPPLE
11	1	04270	SPLIT PIN 8 x 80mm
12	6	04299	BOLT DUST CAP M8 x 25mm
13	6	04298	WASHER DUST CAP
14	1	34205	DUST CAP CAST 110 SERIES (was 04296)

2.4.b Hub 150 Series



Hub 150 Series Parts

Item #	Qty	Part #	Description
ALL	1	11794	HUB ASSEMBLY 150 SERIES c/w M24 STUDS
	1	30647	HUB ASSEMBLY 150 SERIES c/w M27 STUDS
1	12	11795	WHEEL STUD SET M24
	12	30642	WHEEL STUD SET M27
1.1	1	11797	WHEEL STUD M24
	1	30623	WHEEL STUD M27
1.2	1	15503	NUT M24 REVOLVING
	1	30641	NUT M27 REVOLVING
1.3	1	11796	NUT M24
1.4	1	11799	FLAT WASHER M24
2	1	11800	HUB & SPIGOT PLATE 150 SERIES
2.1	1	11927	HUB - M/C DRILLED - 150 SERIES
2.2	1	11928	SPIGOT PLATE 150 SERIES DUAL WHEELS
2.3	12	09503	SOCKET HEAD CAP SCREW M12 x 70mm
3	1	11801	SEAL RING 150 SERIES AXLE
4	1	11802	SEAL WEAR RING 150 SERIES HUB
5	1	11803	SEAL LABYRINTH 150 SERIES
6	1	11804	DUST CAP CAST
7	1	11805	WASHER THRUST 150 SERIES AXLE
8	1	11806	NUT CASTLATED M70 ZP
9	1	04278	GREASE NIPPLE
10	6	04298	WASHER-DUST CAP
11	6	04299	BOLT DUST CAP M8 x 25mm
12	1	09504	BEARING INNER (LARGE)
13	1	09505	BEARING OUTER (SMALL)
14	1	09506	SPLIT PIN 8 x 100mm

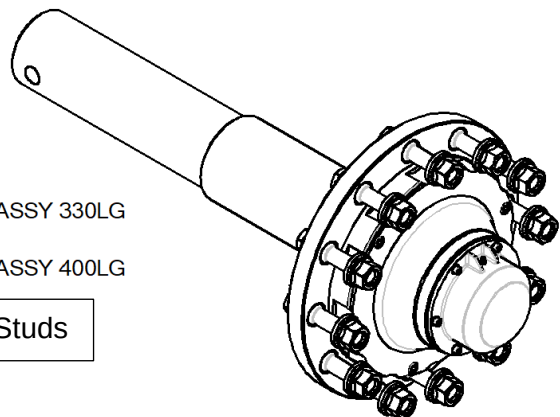
#30642 WHEEL STUD SET M27



#29591 STUB AXLE ASSY 330LG

#29734 STUB AXLE ASSY 400LG

Both use M27 Studs



2.5 Wheels, Tyres & Rims



When ordering wheels or rims always check whether it is a single or dual wheel application.

In the case of dual wheel fitment, check for inner or outer fitment.

Wheel assemblies are configured left and right, as well as inner and outer.

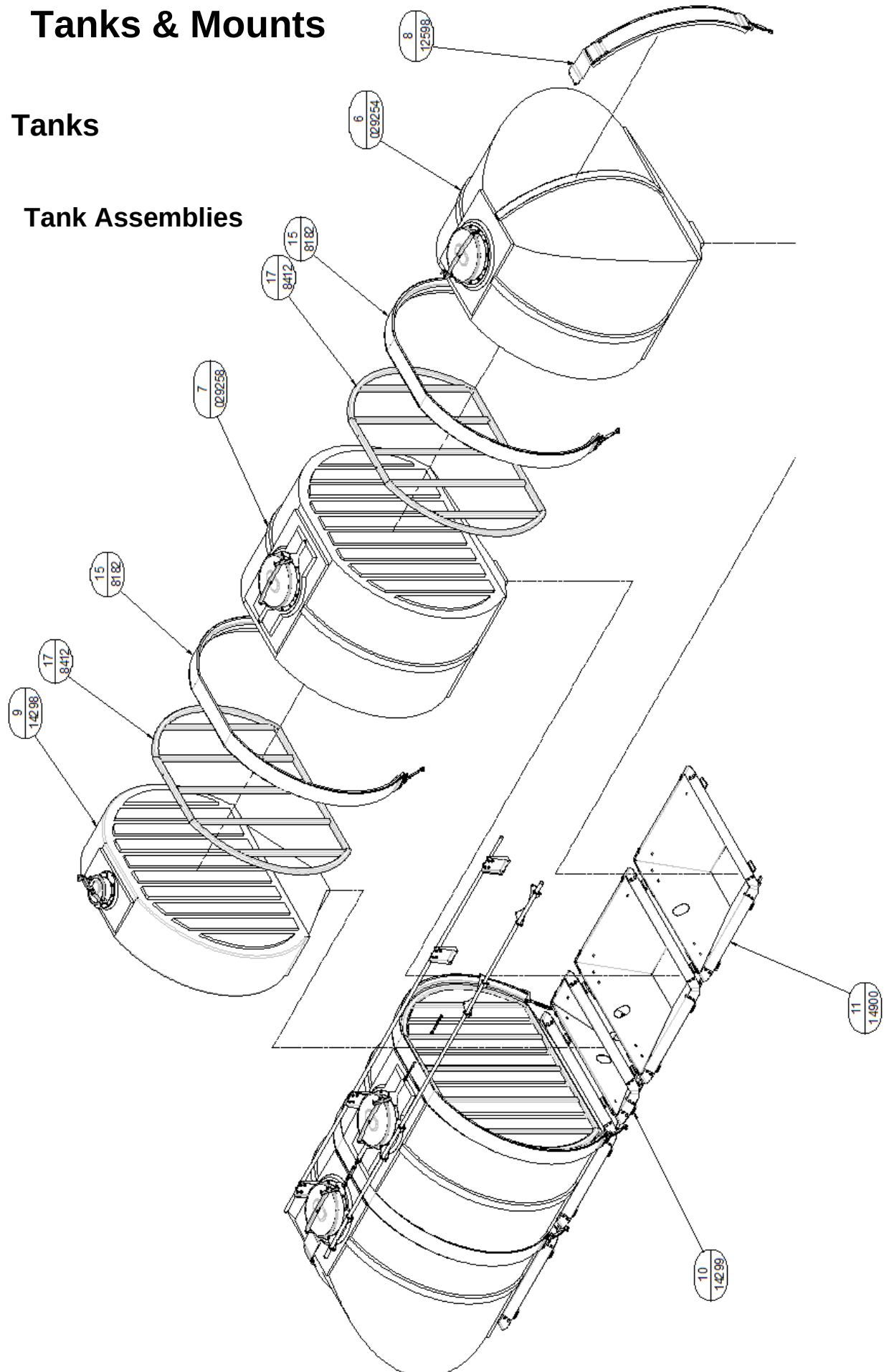
Single Wheel Fitment						
Tyre Size	Tyre #	Rim Size	Offset	Rim #	LH Wheel Assy	RH Wheel Assy
14.9 x 28	14366	12 x 28	0	04246	27084	27083
14.9 x 28	14336	W12x28	120	32938	32940	32939
24.5 x 32	04085	21 x 32	120	04090	04241	04240
30.5 x 32	04086 NLA Use 14974	27 x 32	190	04091	04244	04243
30.5 x 32 18p	14974	27 x 32	45	14938	14930	14931
30.5 x 32 18p	14974	27 x 32	120	26296	26297	26295
710/70 x 38	04088	23 x 38	525	13917	13931	13930
750/60 x 30.5	BSO	BSO	BSO	BSO	BSO	BSO
800/70 x 38	12800	23 x 38	500	13917	13919	13918
900/60 x 32	26863	30A x 32	35	26860	26864	26865
900/60 x 32 BP HD45 Bias Ply	34241 Harvest	30B x 32	35	34242	34243	34244
900/60 x 42	30377 Uniglory	30B x 42	35	30390	30401	30379

Dual Wheel Series II							
	Tyre Size	Tyre #	Rim Size	Offset	Rim #	LH Wheel	RH Wheel
Inner	24.5 x 32	04085	21 x 32	+275	30518		30520
	24.5 x 32	04085	21 x 32	+275	30518	30522	
Outer	24.5 x 32	04085	21 x 32	+495	30536		30521
	24.5 x 32	04085	21 x 32	+495	30536	30523	

3.0 Tanks & Mounts

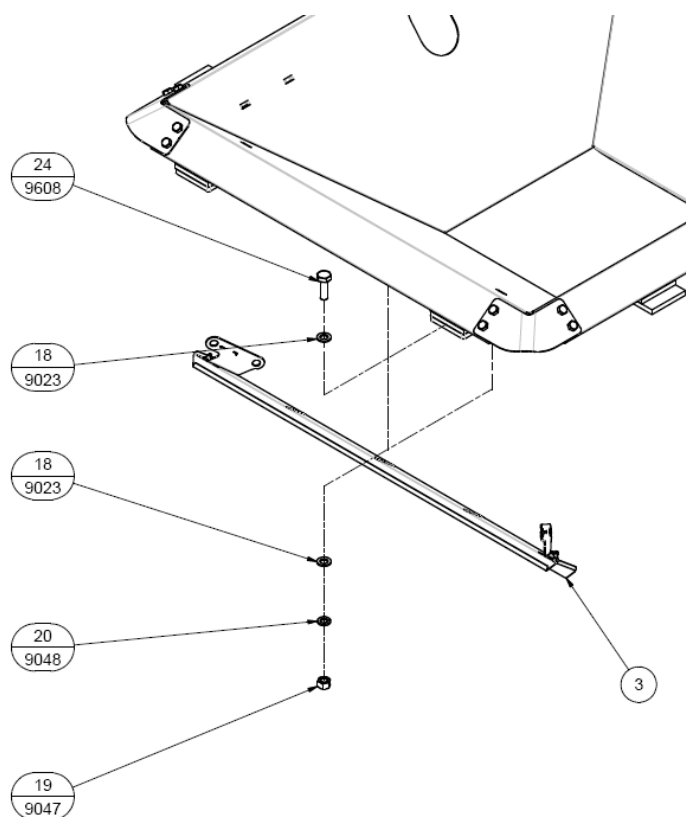
3.1 Tanks

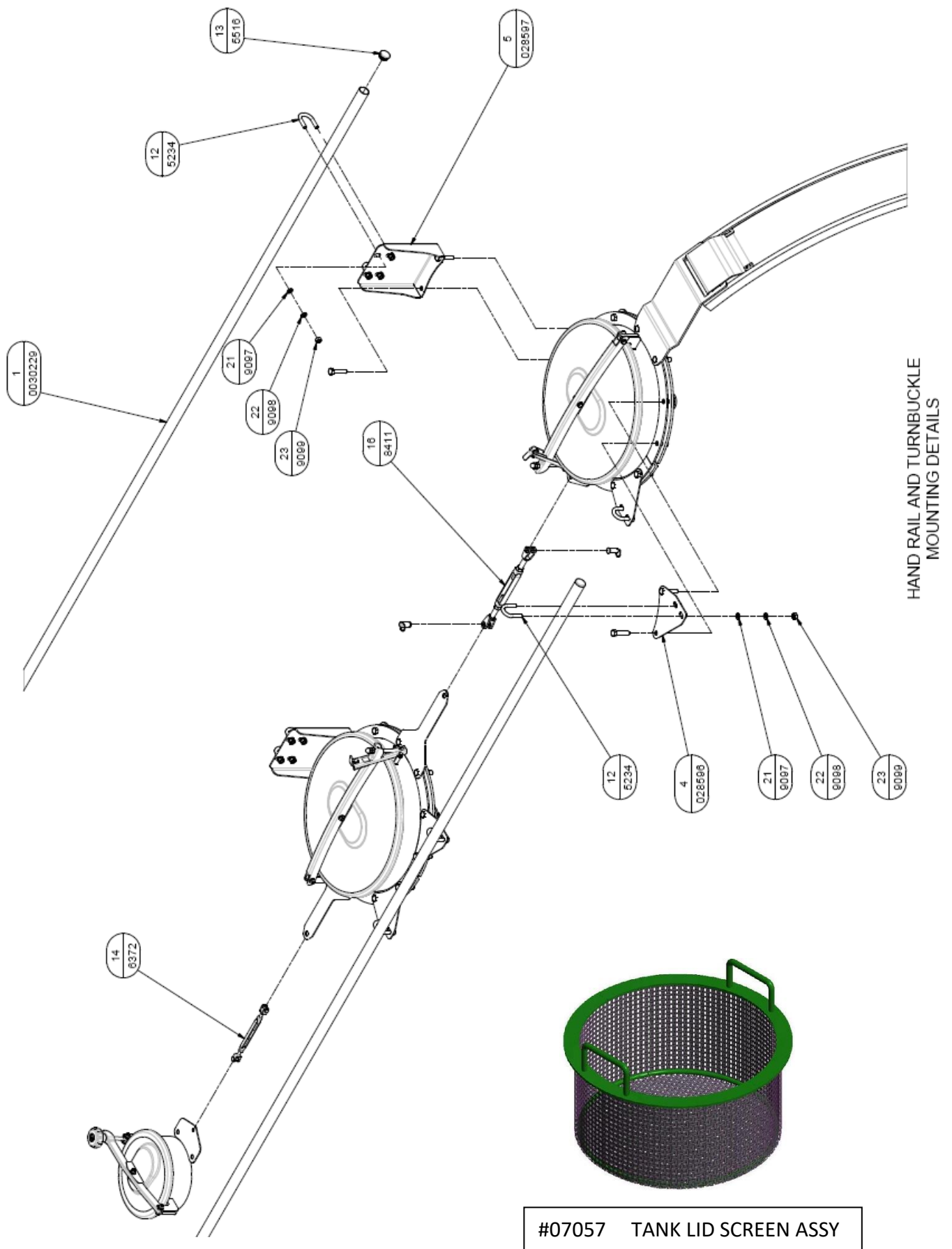
3.1.a Tank Assemblies



Ausplow Multistream Series II Spare Parts Manual

Item #	Qty	Part #	Description
1	2	30229	HAND RAIL ASSY 31.8OD x 1.6T x 4740LG – M19500
2	1	27778	SMALL SEEDS TANK CABLE TRAY KIT
3	AR	27779	STD TANK CABLE TRAY KIT
4	AR	28596	FLAT HAND RAIL BRACKET
5	AR	28597	RAISED HAND RAIL BRACKET
6	AR	29254	TANK 4700L END c/w LID ASSY
7	AR	29258	TANK 4400L MIDDLE c/w LID ASSY
8	2	12598	END TANK STRAP ASSY
9	1	14298	SMALL SEED TANK c/w LID ASSY
10	AR	14299	TANK CONE ASSY 1500L TANK
11	AR	14900	TANK CONE ASSY
12,22&23	AR	05834	U BOLT SET M10 x 33 x 51 SS Round
13	AR	05516	END CAP
14	AR	06372	TURNBUCKLE M8 x 20mm SS
15	AR	08182	TANK 4400L HOLD DOWN STRAP
16	AR	08411	TURNBUCKLE M14 x 270mm SS
17	AR	08412	TANK CUSHION ASSY
18	AR	09023	WASHER FLAT M16
19	AR	09047	NUT M16
20	AR	09048	WASHER SPRING M16
21	AR	09097	WASHER M10 SS
22	AR	09098	WASHER SPRING M10 SS
23	AR	09099	NUT M10 SS
24	AR	09608	BOLT M16 x 50mm

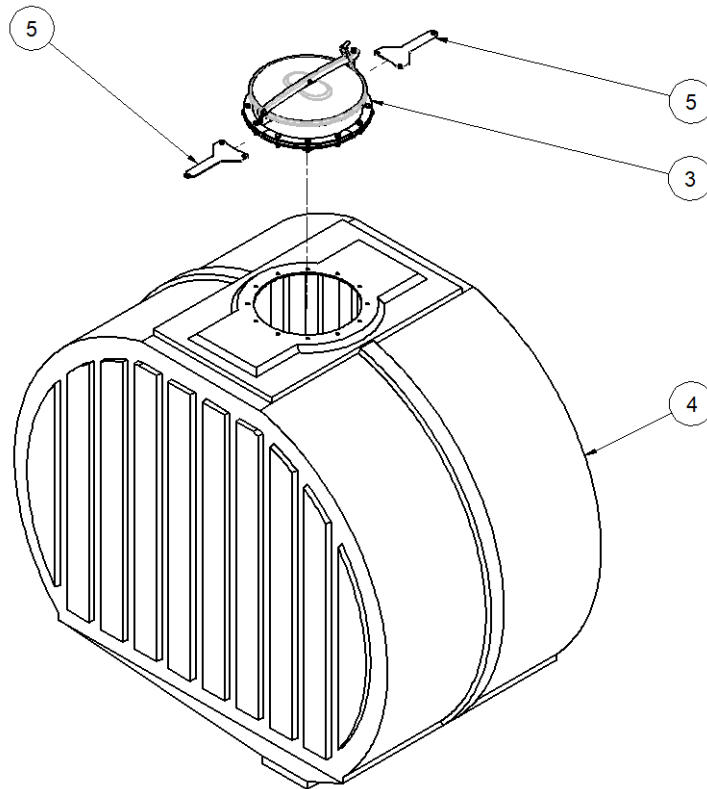




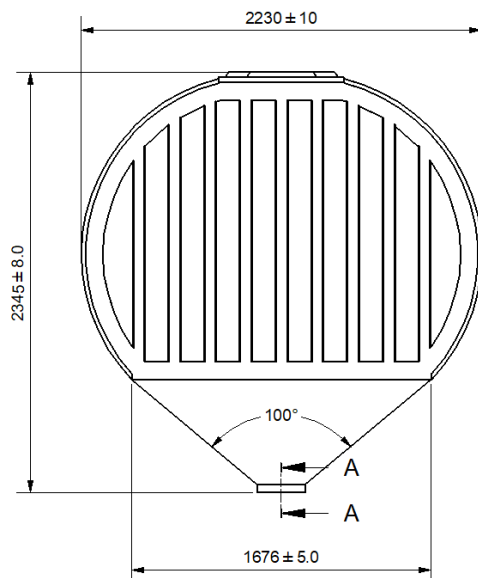
3.1.b Tanks

Note: Tanks made from Dec 2016 use 10mm SS bolts and washers to connect sump plates and metering units. (were M12 SS)

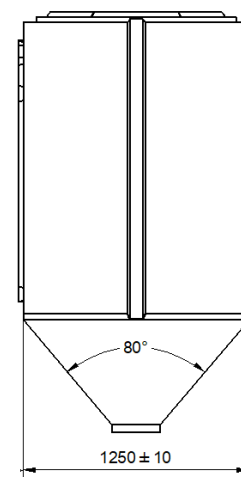
Tanks are made from High Density Polyethylene (PE)

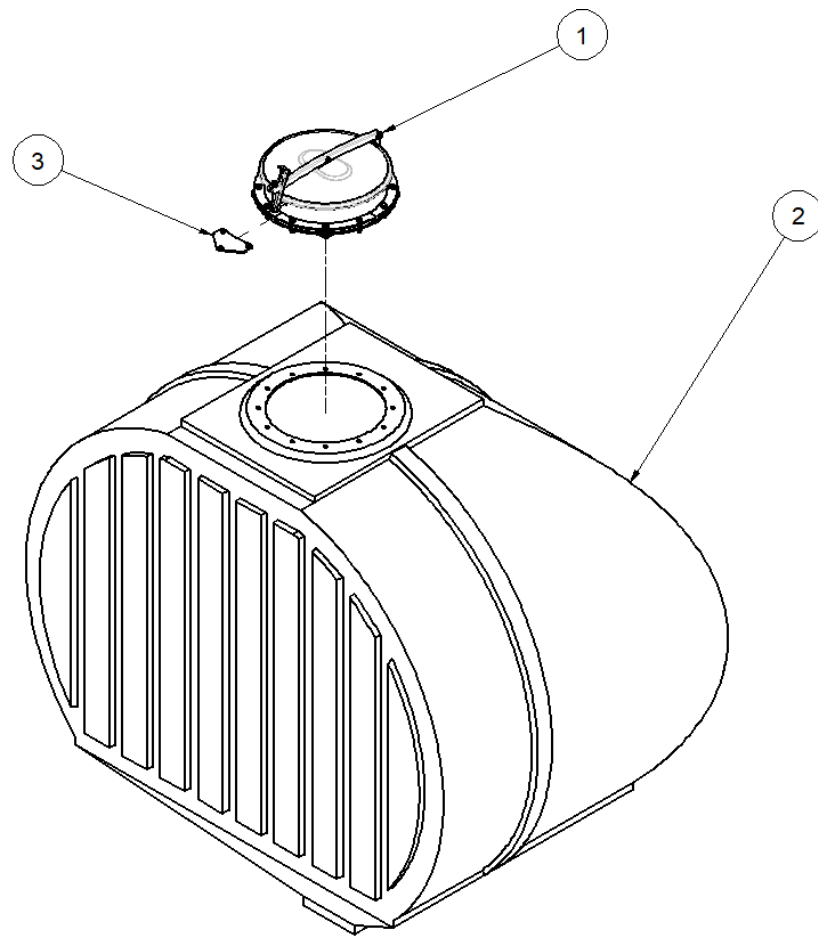


Item #	Qty	Part #	Description
3	1	29259	TANK LID ASSY 450mm
4	1	08101	TANK 4400L MID
5	2	08392	TANK TIE ROD STRAP LONG

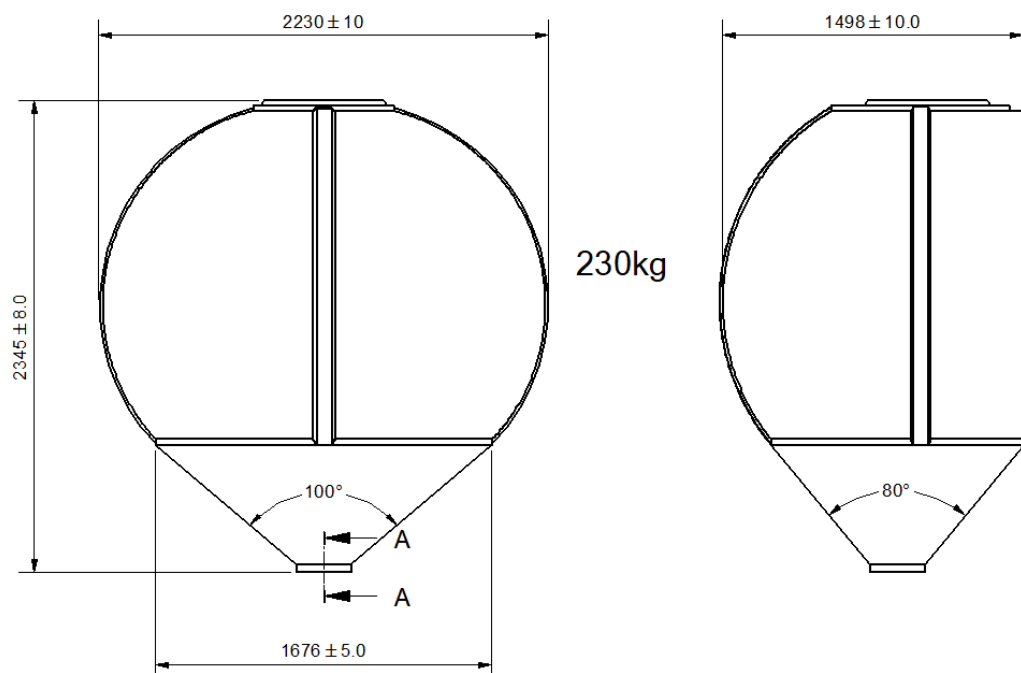


205kg

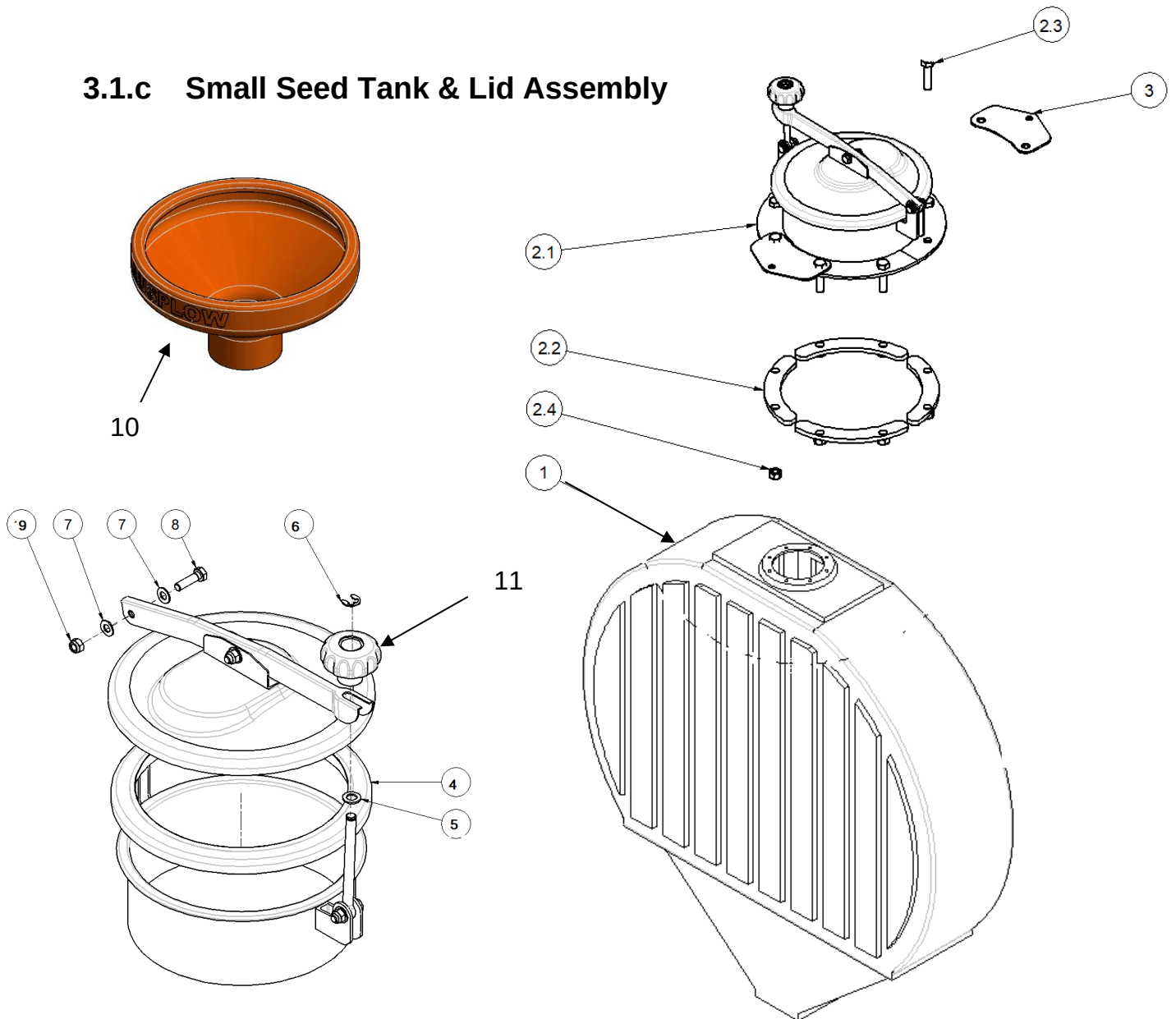




Item #	Qty	Part #	Description
1	1	29259	TANK LID ASSY 450mm
2	1	08100	TANK 4700L END
3	1	08394	TANK TIE ROD STRAP SHORT

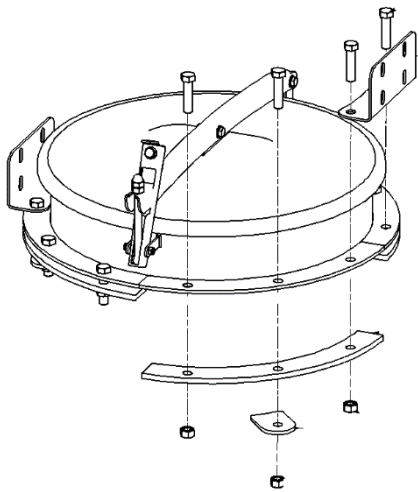


3.1.c Small Seed Tank & Lid Assembly

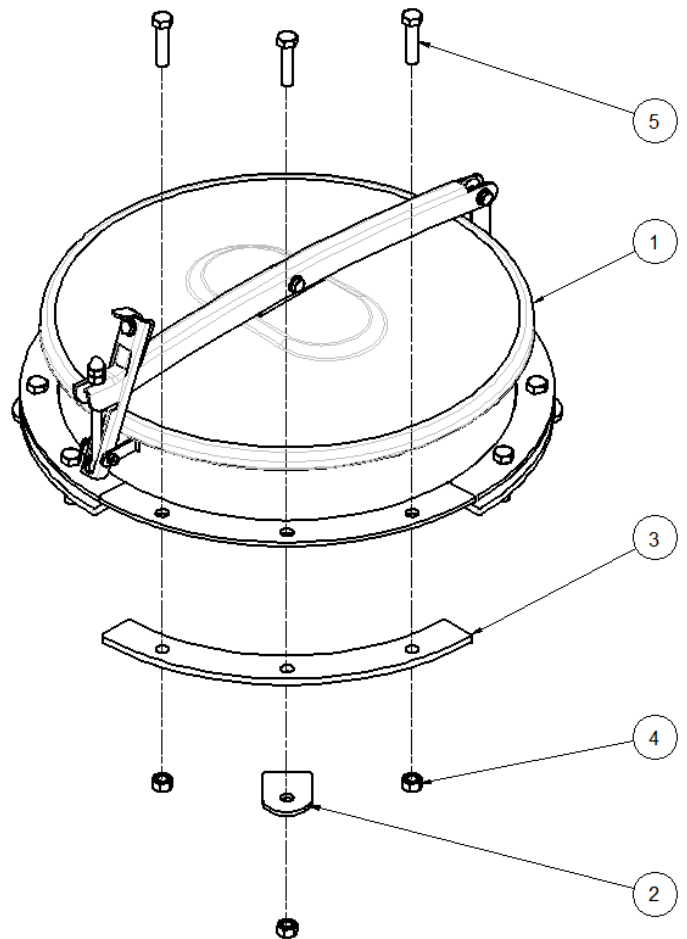


Item #	Qty	Part #	Description
1	1	14287	SMALL SEED TANK 1500 Ltr BARE (2345x2198x505mm 130kg)
2	1	14296	TANK LID ASSY 223mm DIA
2.1	1	14288	TANK LID FLANGED ASSY 223mm DIA
2.2	4	14295	TANK LID WASHER
2.3	8	09238	BOLT M12 x 50mm SS
2.4	8	09107	NUT M12 SS
3	2	14297	SMALL SEED TANK TURNBUCKLE BRACKET
4	1	14294	TANK LID GASKET 223mm DIA
5	1	09097	WASHER M10 SS
6	1	09634	CIRCLIP SS
7	6	09106	WASHER FLAT M8 SS
8	3	09114	SCREW M8 x 30mm SS
9	3	09277	NUT M8 Nylock SS
10	1	28912	SMALL SEED TANK FUNNEL
11	1	11015	SMALL SEED TANK LID HANDWHEEL

3.2 Tank Lid Assembly

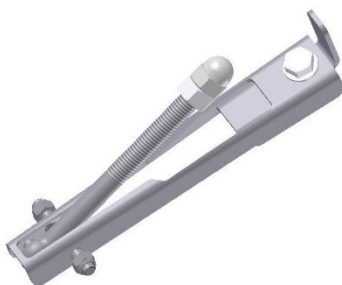


Tank Lid Assy with Brackets
Part # 15061



Item #	Qty	Part #	Description
All	1	29259	TANK LID ASSY 450mm
1	1	15060	TANK LID 450mm
2	4	07064	TANK BASKET SUPPORT WASHER
3	4	08783	TANK LID WASHER
4	12	09107	NUT M12 SS
5	12	09238	SCREW HEX M12 x 50mm SS

Tank Lid Catch Assy
Part # 03069



Tank Lid Gasket
Part # 15055

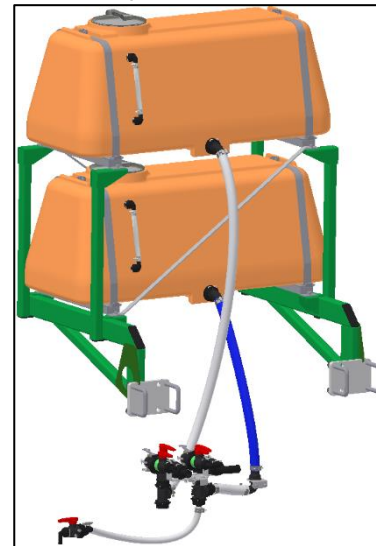
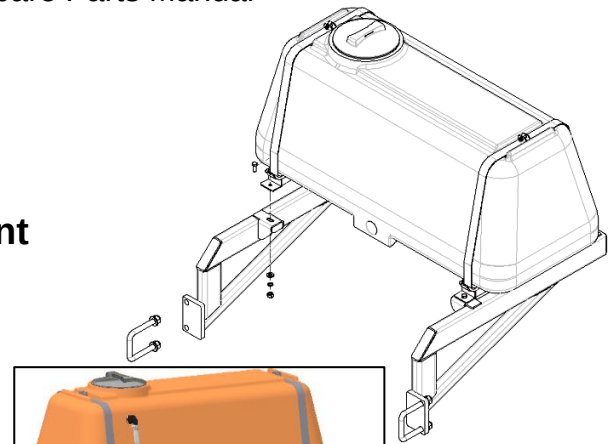
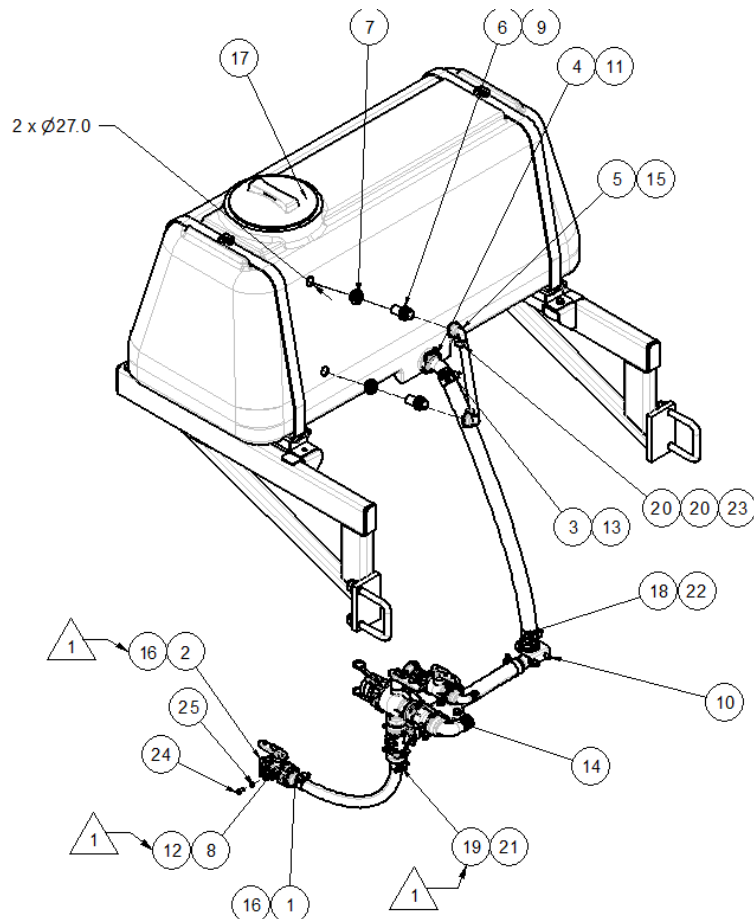


3.3 Water Tanks

3.3.a Water Tank Assembly – Rear Mount

(13920 – Water tank mounting kit 300L)

(32607 – Flush Tank & Hand Wash Assy 300L)



34039

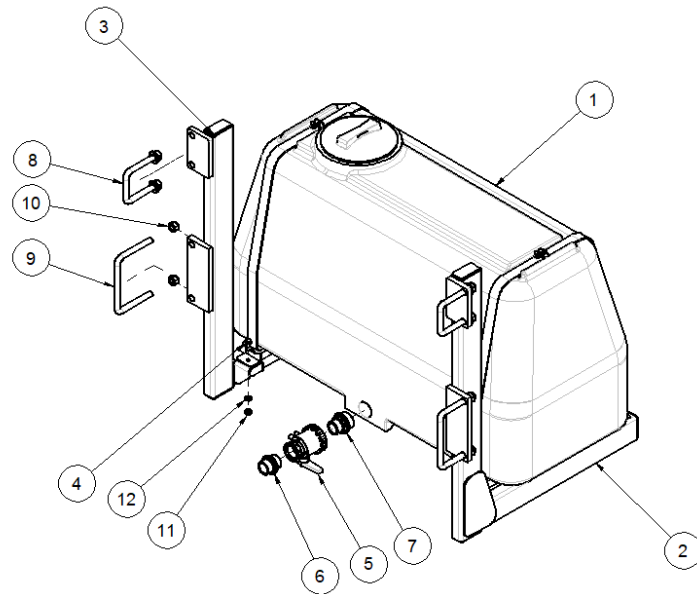


32816

Item #	Qty	Part #	Description
ALL	1	32607	FLUSH TANK & HAND WASH ASSY
		32816	FLUSH TANK & HAND WASH ASSY – DUAL LIQUID
1	1	32815	HOSETAIL STRAIGHT FORK T4F 25mm
2	1	32798	HOSETAIL ELBOW FORK T4F 20mm
3	1	32604	HOSETAIL ELBOW 45 DEG T6 M
4	1	32603	ADAPTOR 2" BSP MALE TO T6 FORK
5	2	32388	HOSETAIL ELBOW 90 DEG T3F 20mm
6	2	32339	BULKHEAD 3/4" BSP x T3M
7	2	32337	BACKING NUT 3/4" BSP
8	1	32233	2 WAY BALL VALVE FORK T4M-T4M
9	2	31196	O-RING T3 Viton
10	1	28786	CHASSIS FLUSH ELBOW BRACKET ASSY

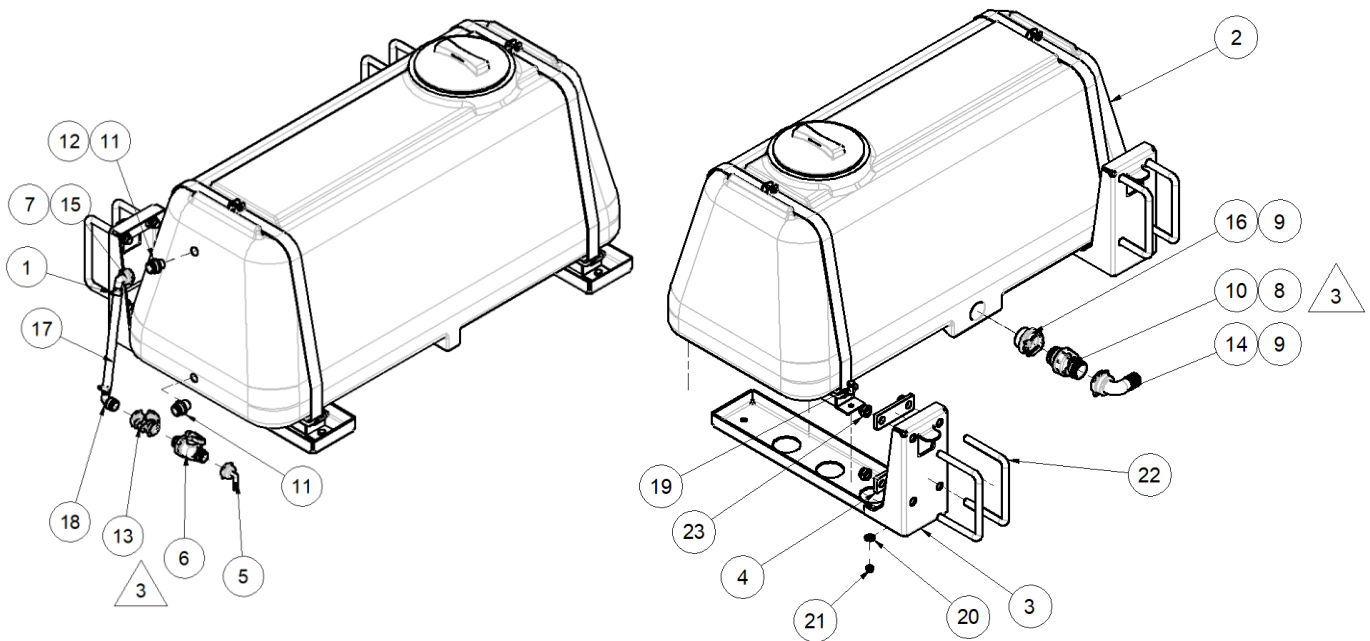
11	1	28762	FORK T6 FITTING
12	2	28721	O RING T4 Viton
13	1	28720	O RING T6 Viton
14	1	28718	VALVE ASSY
15	2	28648	FORK T3 FITTING
16	2	28761	FORK T4 FITTING
17	1	13920	WATER TANK & MOUNTING KIT
18	4	09982	HOSE CLAMP T BOLT 44-47mm SS
19	2	09981	HOSE CLAMP T BOLT 32-35mm SS
20	2	09077	HOSE CLAMP 11-25mm SS
21	0.5m	05563	PRESSURE HOSE 25mm
22	1.5m	05566	SUCTION HOSE 38mm
23	0.3m	10869	TUBE CLEAR 19mm PVC
24	2	09111	BOLT HEX M8 x 16
25	2	09105	WASHER SPRING M8
NS	1	05602	DECAL "AUSPLOW" – 500 x 125

3.3.b Water Tank Assembly – Side Mount 500L



Item #	Qty	Part #	Description
All	1	27599	WATER TANK SIDE MOUNTED 500L
1	1	27531	WATER TANK 500L
2	1	27597	TANK FRAME LH
3	1	27598	TANK FRAME RH
4	4	03072	BOLT M12 x 30mm
5	1	04168	BALL VALVE 1 ½ BSP 2 WAY
6	1	04172	NIPPLE 1 ½ BSP PP
7	4	04211	NIPLE REDUCING 2 BSP x 1/2 BSP-PP
8	2	05438	U BOLT SET M20 x 102 x 150mm Gal
9	2	03059	U BOLT SET M20 x 202 x 150mm Gal
11	4	09009	NUT M12 Conelock
12	4	09031	WASHER FLAT M12

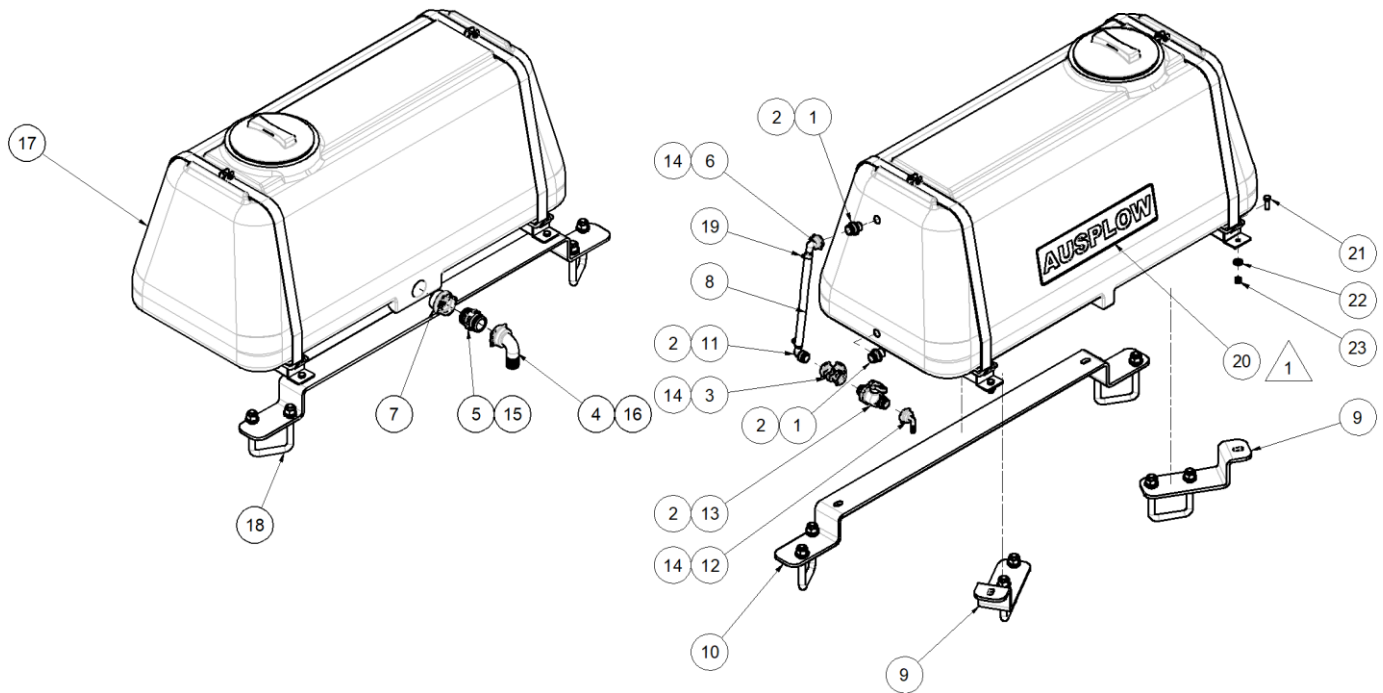
3.3.c Water Tank Assembly – Side Mount 300L



Item #	Qty	Part #	Description
All		25029	WATER TANK SIDE MOUNTED 300L
1	2	09077	HOSE CLAMP 11-25 SS
2	1	13921	WATER TANK 300L
3	2	25027	TANK SUPPORT ARM
4	4	25028	TANK SUPPORT ARM WASHER PLATE
5	1	28632	HOSETAIL ELBOW FORK T3F – 13mm
6	1	28639	2-WAY BALL VALVE FORK T3M-T3M STD HANDLE
7	5	28648	FORK T3 FITTINGS
8	2	28720	O-RING T6 FORK COUPLING VITON
9	2	28762	FORK T6 FITTINGS
10	1	28766	FOOT VALVE FORK T6M – T6M
11	2	30325	T3F x 3/4" BSP MALE
12	5	31196	O-RING T3 x 25.07 ID x 2.62 CS VITON
13	1	31197	TEE T3 F/F
14	1	31842	HOSETAIL ELBOW FORK T6F-38mm (1 1/2")
15	1	32388	HOSETAIL ELBOW 90DEG T3F-20mm
16	1	32603	ADAPTOR 2" BSP M TO T6 FORK COUPLING
17	1	33332	TUBE CLEAR 19mm PVC x 320mm LG
18	1	33605	HOSETAIL ELBOW 90 DEG T3F-20mm
19	4	03072	BOLT M12 x 30mm
20	4	09031	WASHER FLAT M12
21	4	09009	NUT LOCK M12
22	4	08839	U BOLT M20 x 202 x 150
23	8	09002	NUT LOCK M20
NS	1	05602	DECAL "AUSPLOW" – 500 x 125

Please refer MS Series II Spare Parts Manual (Version 1.3, page 42) for early version.

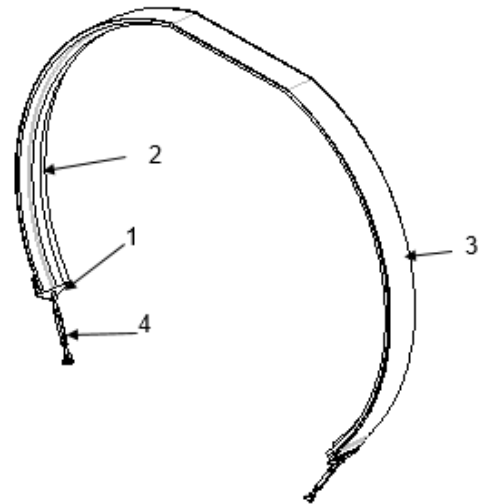
3.3.d Water Tank Assembly – Front Mount 300L



Item #	Qty	Part #	Description
All		33471	WATER TANK FRONT MOUNTED 300L
1	2	30325	T3F x 3/4" BSP MALE
2	5	31196	O-RING T3 x 25.07 ID x 2.62 CS VITON
3	1	31197	TEE T3 F/F
4	1	31842	HOSETAIL ELBOW FORK T6F-38mm (1 1/2")
5	1	32184	NIPPLE T6 M/M
6	1	32388	HOSETAIL ELBOW 90DEG T3F-20mm
7	1	32603	ADAPTOR 2" BSP M TO T6 FORK COUPLING
8	1	33332	TUBE CLEAR 19mm PVC x 320mm LG
9	2	33459	FRONT MOUNT TANK 300L BRACKET
10	1	33460	FRONT MOUNT TANK 300L REAR BRACKET
11	1	33605	HOSETAIL ELBOW 90 DEG T3F-20mm
12	1	28632	HOSETAIL ELBOW FORK T3F – 13mm
13	1	28639	2-WAY BALL VALVE FORK T3M-T3M STD HANDLE
14	5	28648	FORK T3 FITTINGS
15	3	28720	O-RING T6 FORK COUPLING VITON
16	2	28762	FORK T6 FITTINGS
17	1	13921	WATER TANK ASSY 300L
18	4	05438	U-BOLT SET – M20x102x150mm GALV
19	2	09077	HOSE CLAMP 11-25 SS
20	1	05602	DECAL "AUSPLOW" – 500 x 125
21	4	09263	BOLT HEX M12 x 35mm
22	4	09031	WASHER FLAT M12
23	4	09009	NUT LOCK M12

3.4 Tank Straps

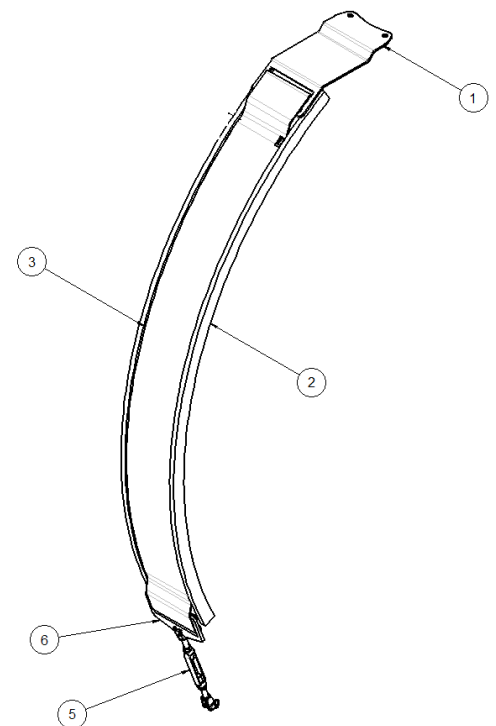
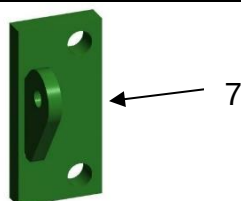
3.4.a Tank Hold Down Straps



Item #	Qty	Part #	Description
All	AR	08182	TANK HOLD DOWN STRAP ASSY 4400L & 3850L
	AR	06271	TANK HOLD DOWN STRAP ASSY 3000L
	AR	08173	TANK HOLD DOWN STRAP ASSY 2000L
1	2	08604	HOLD DOWN BUCKLE 4400L & 3850L TANK
		06140	HOLD DOWN BUCKLE 2000L & 3000L TANK
2	1	08342	TEE RUBBER EXTRUSION 4400L & 3850L TANK
		06270	TEE RUBBER EXTRUSION 3000L TANK
		08174	TEE RUBBER EXTRUSION 2000L TANK
3	1	08184	TANK HOLD DOWN STRAP 4400L & 3850L
		06272	TANK HOLD DOWN STRAP 3000L
		08176	TANK HOLD DOWN STRAP 2000L
4	2	08411	TURNBUCKLE 4400L & 3850L TANK
		06372	TURNBUCKLE 2000L & 3000L TANK

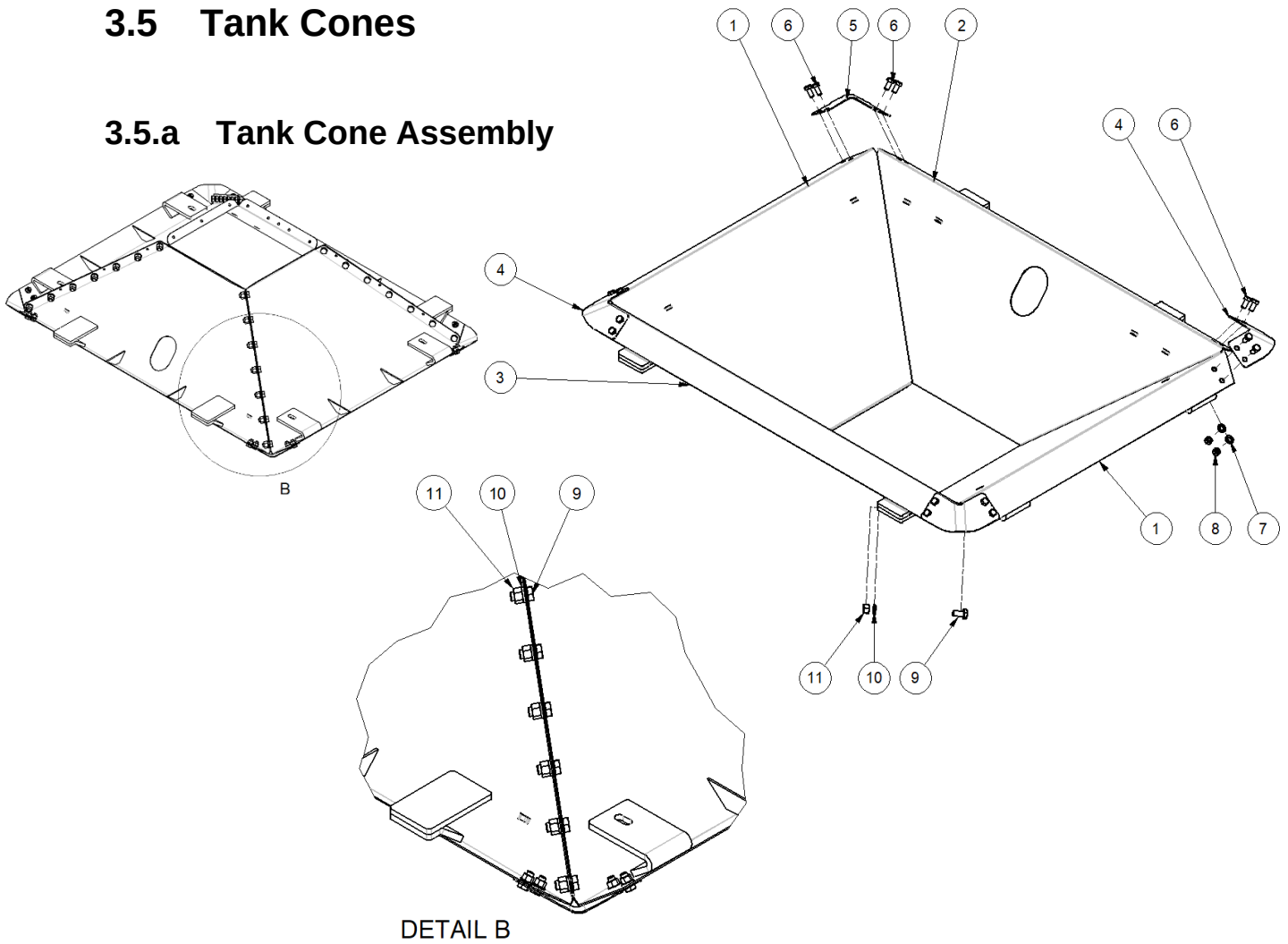
3.4.b End Tank Hold Down Strap & Bracket

Item #	Qty	Part #	Description
1 to 6	1	12598	END TANK STRAP ASSY
1	1	12599	C RUBBER STRAP BUCKLE
2	1	12600	C RUBBER EXTRUSION x 1655mm LG
3	1	12601	END TANK STRAP 1850mm LG
5	1	08411	TURNBUCKLE M14 x 270mm SS
6	1	08604	HOLD DOWN BUCKLE 160mm
7	1	12662	TANK STRAP BRACKET
NS	1	05438	U BOLT SET M20 x 102 x 150mm GALV



3.5 Tank Cones

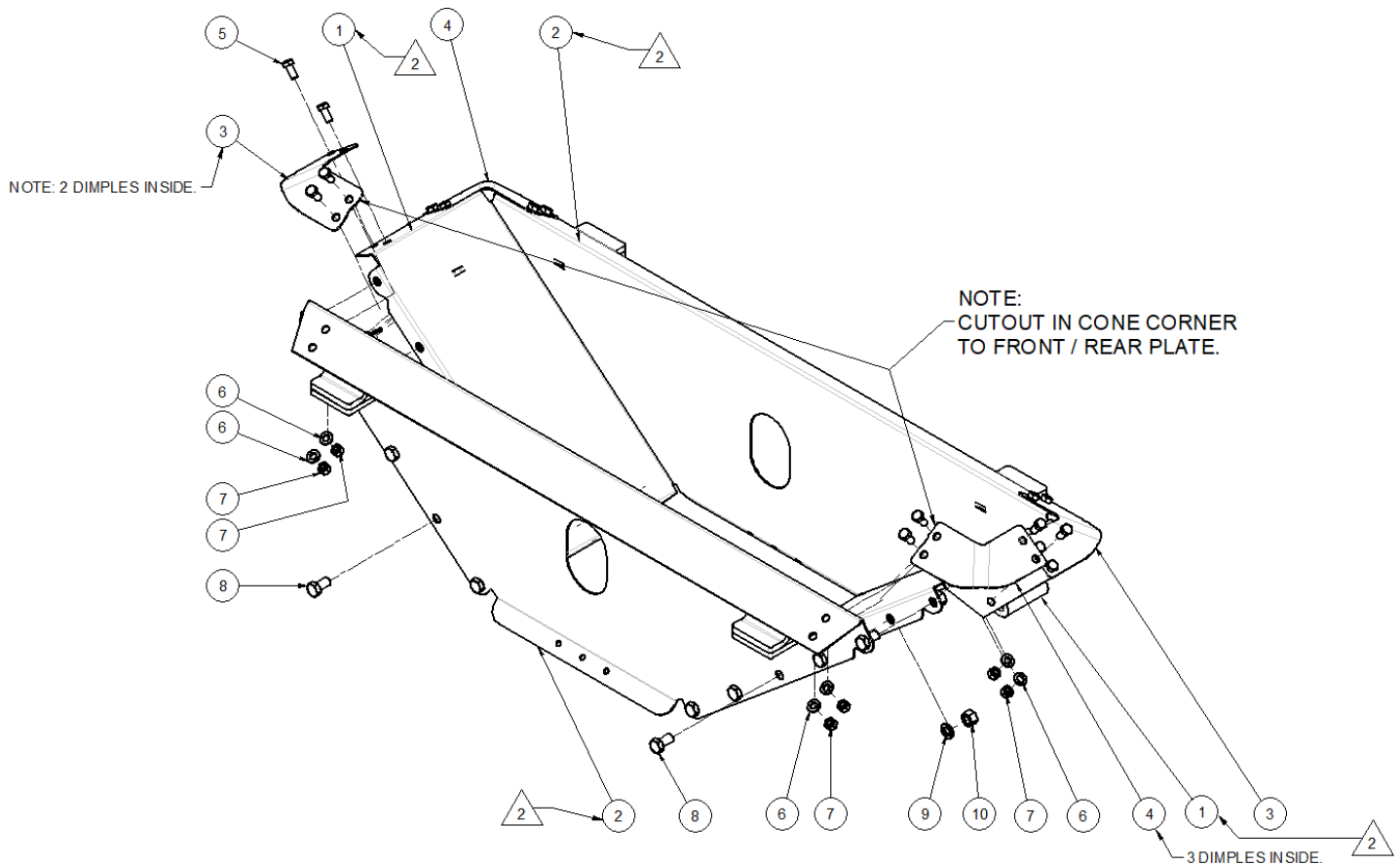
3.5.a Tank Cone Assembly



Item #	Qty	Part #	Description
All		14900	TANK CONE ASSY (Post 2020)
1	2	33765	TANK CONE PANEL SIDE SLOTTED FOOT
2	1	33766	TANK CONE PANEL FRONT/REAR NARROW FOOT
3	1	33767	TANK CONE PANEL FRONT/REAR WIDE FOOT
4	2	05293	CORNER PLATE "RH"
5	2	05294	CORNER PLATE "LH"
6	16	09228	BOLT M12 x 25mm ZP
7	16	09010	WASHER SPRING M12 ZP
8	16	09054	NUT M12 Gr8 ZP
9	28	05292	BOLT M16 x 30mm G8.8 ZP
10	28	09048	WASHER SPRING M16 ZP
11	28	09047	NUT M16 C8 ZP

Please refer MS Series II Spare Parts Manual (Version 1.3, page 44) for early version (Pre 2020)

3.5.b Small Tank Cone Assembly



Item #	Qty	Part #	Description
All		14299	SMALL TANK CONE ASSY (Post 2020)
1	2	33768	TANK CONE SIDE PLATE ASSY
2	2	33769	TANK CONE FRONT / REAR PLATE ASSY
3	2	14311	TANK CONE CORNER A 1500L
4	2	14310	TANK CONE CORNER B 1500L
5	16	09228	BOLT M12 x 25mm
6	16	09010	WASHER SPRING M12
7	16	09054	NUT M12
8	20	05292	BOLT M16 x 30mm
9	20	09048	WASHER SPRING M16
10	20	09047	NUT M16

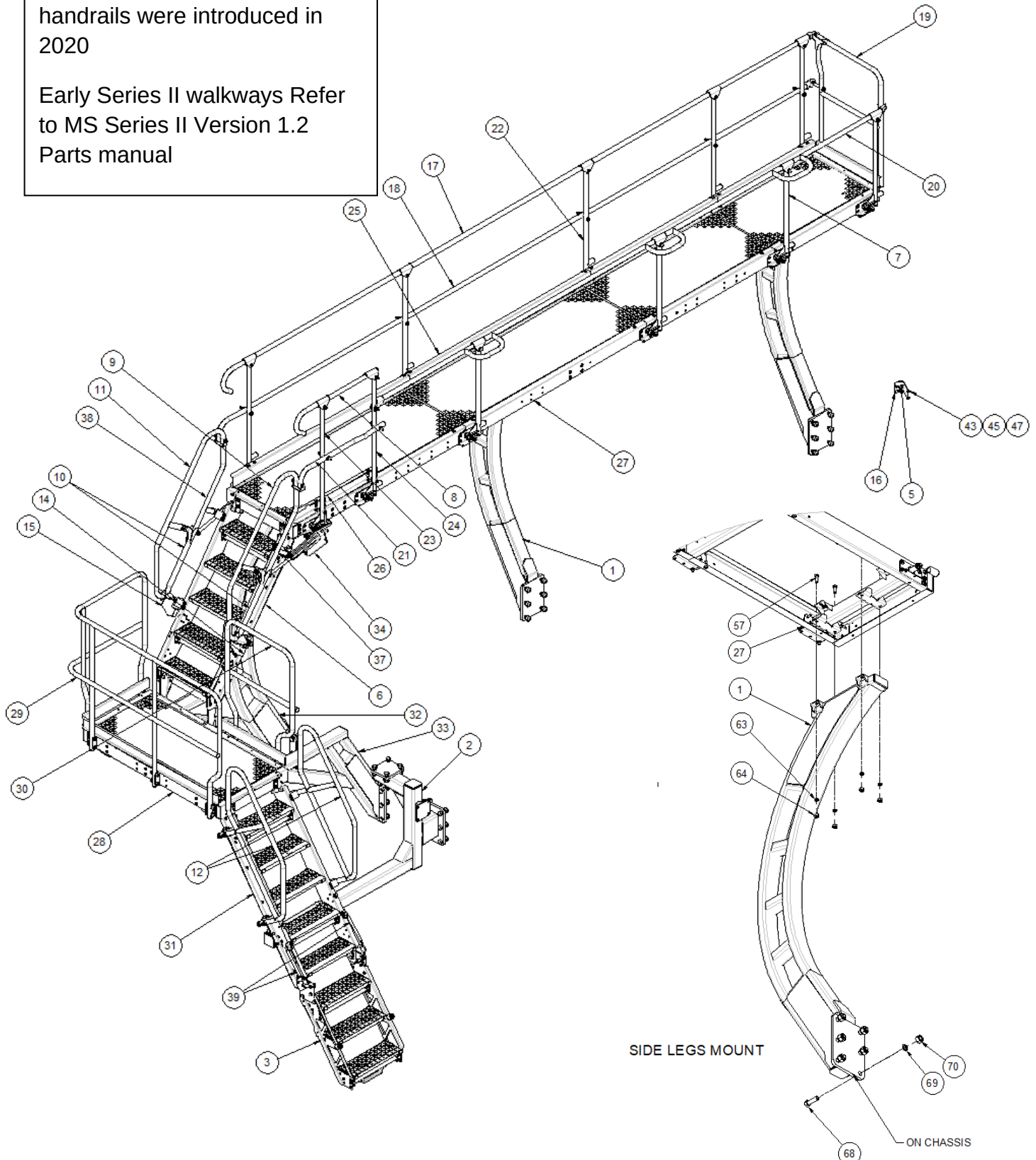
Please refer MS Series II Spare Parts Manual (Version 1.3, page 45) for early version (Pre 2020)

4.0 Walkways

4.1 Tow Behind (TBH) Walkway Collapsible H/Rail – 2020 on

NOTE: Collapsible walkway handrails were introduced in 2020

Early Series II walkways Refer to MS Series II Version 1.2 Parts manual

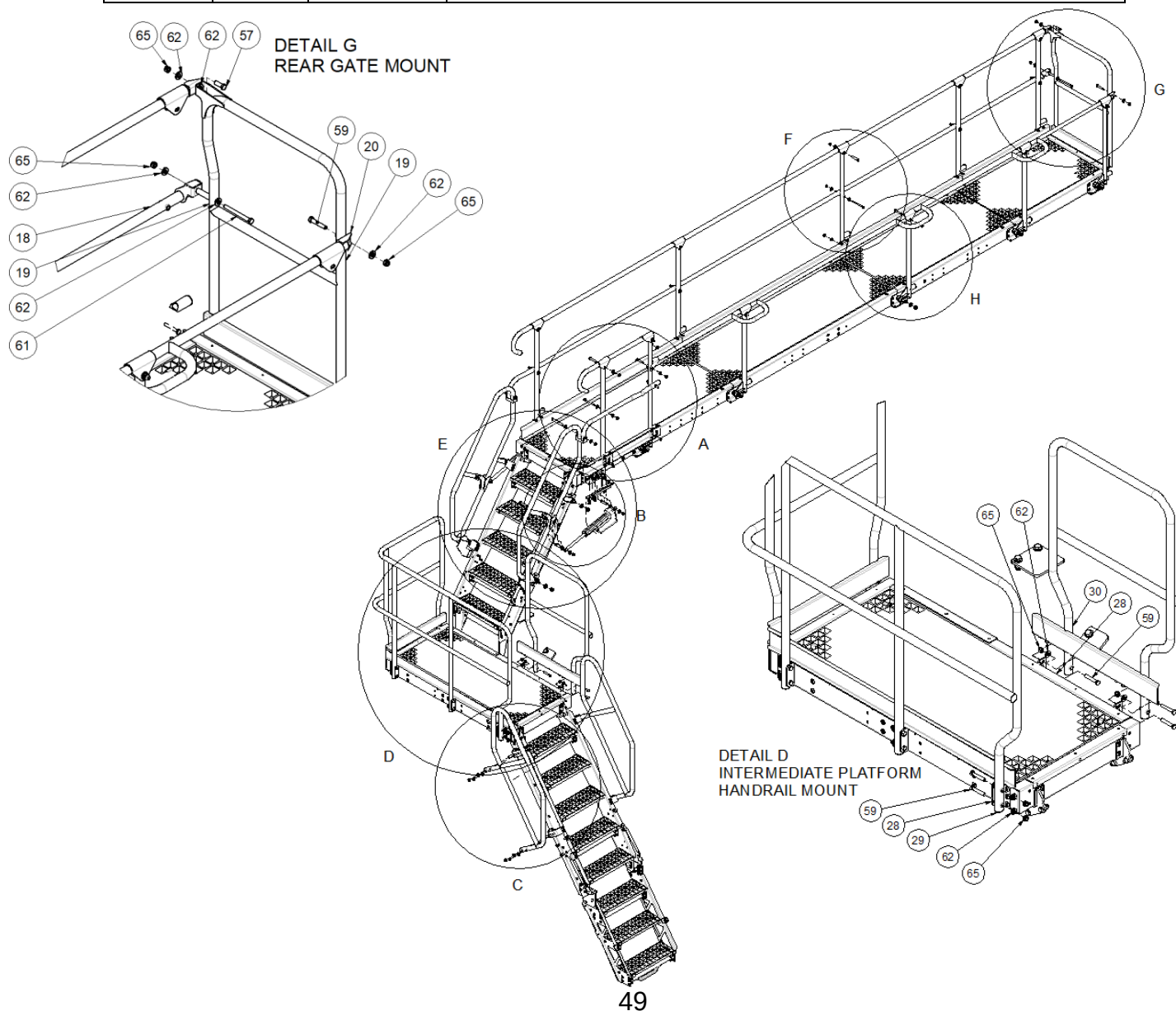


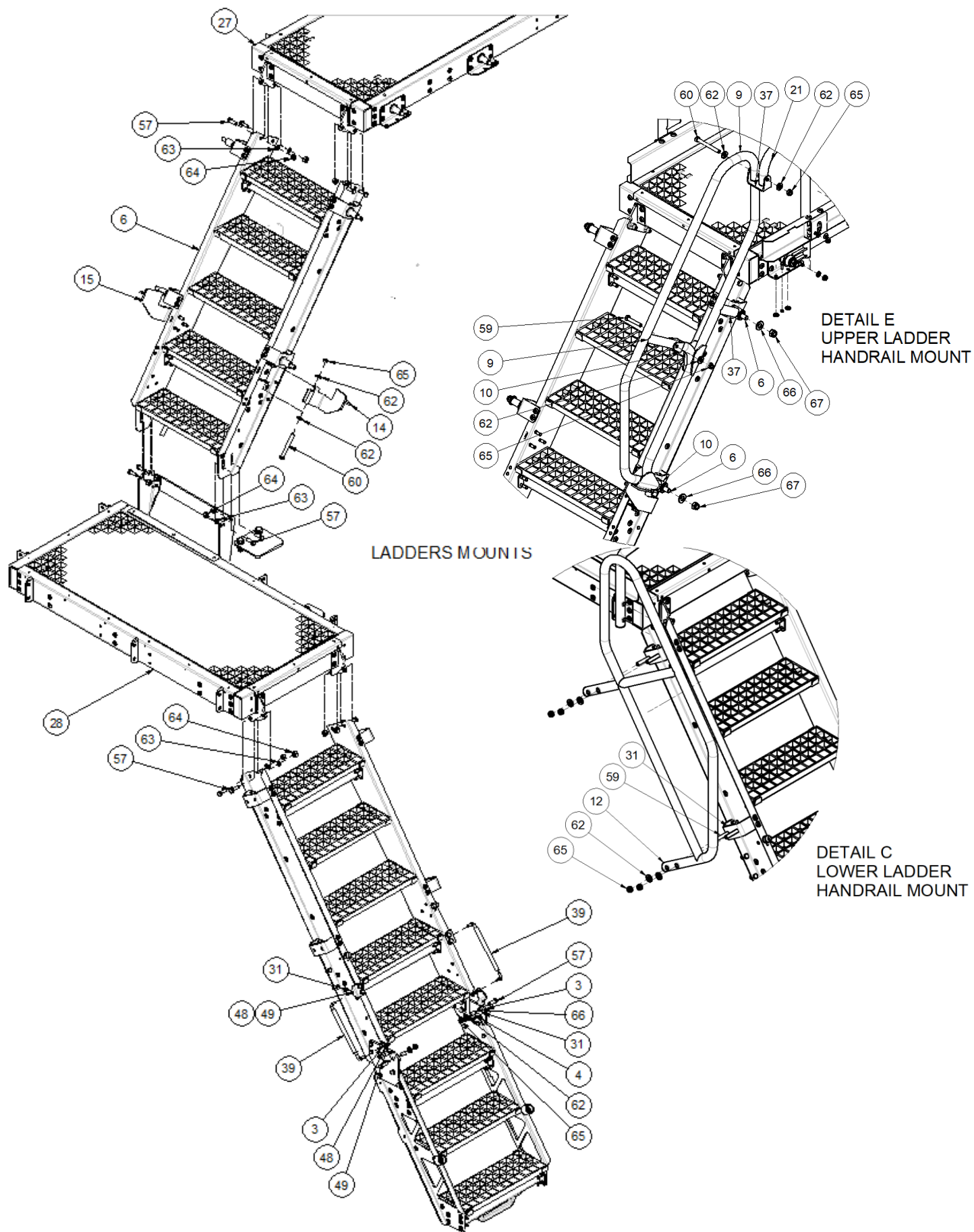
Tow Between (TBH) Walkway – Collapsible H/Rail

Item #	Qty	Part #	Description
All	1	33385	M19500 TBH WALKWAY COLLAPSIBLE H/RAIL ASSY LH SERIES II
NS		33461	M18000 TBH WALKWAY COLLAPSIBLE H/RAIL ASSY LH SERIES II
1	2	29928	WALKWAY SUPPORT LEG MAIN V2
2	1	30708	TBH HEAT EXCH & LADDER MOUNTING ARM
3	1	30742	TBH FOLDABLE LADDER 3 STEP LOWER ASSY
4	2	30842	TBH FOLDABLE LADDER SPACER BUSH
5	1	33064	SWITCH ROCKER MOMENTARY ACTION
6	1	33069	COLLAPSIBLE HANDRAIL UPPER LADDER ASSY
7	4	33117	COLLAPSIBLE HANDRAIL INTERNAL POST ASSY
8	1	33152	COLLAPSIBLE HANDRAIL UPPER INT RAIL ASSY
9	1	33155	COLLAPSIBLE HANDRAIL UPPER LADDER LH HANDRAIL ASSY
10	2	33156	COLLAPSIBLE HANDRAIL UPPER LADDER LOWER POST ASSY
11	1	33159	COLLAPSIBLE HANDRAIL UPPER LADDER RH HANDRAIL ASSY
12	2	33160	COLLAPSIBLE HANDRAIL LOWER LADDER HANDRAIL ASSY
13	2	33184	COLLAPSIBLE H/RAIL SWITCH
14	1	33186	COLLAPSIBLE HANDRAIL SAFETY BLOCK RH
15	1	33189	COLLAPSIBLE HANDRAIL SAFETY BLOCK LH
16	1	33191	COLLAPSIBLE HANDRAIL SWITCH BRACKET
17	1	33386	COLLAPSIBLE HANDRAIL MTS M19500 TBH EXT H/RAIL ASSY
18	1	33388	COLLAPSIBLE HANDRAIL MTS M19500 TBH MID RAIL ASSY
19	1	33390	COLLAPSIBLE HANDRAIL REAR GATE ASSY
20	1	33392	COLLAPSIBLE HANDRAIL MTS 19500 TBH INT HANDRAIL ASSY
21	1	33394	COLLAPSIBLE HANDRAIL TBH LOWER INT RAIL ASSY
22	5	33397	COLLAPSIBLE HANDRAIL TBH EXTERNAL POST ASSY
23	1	33399	COLLAPSIBLE HANDRAIL TBH FIRST INT POST ASSY
24	1	33401	COLLAPSIBLE HANDRAIL TBH SECOND INT POST ASSY
25	1	33403	COLLAPSIBLE HANDRAIL INTERNAL KICKPLATE WELD
26	1	33406	COLLAPSIBLE HANDRAIL INT KICKPLATE WELD
27	1	33408	COLLAPSIBLE HANDRAIL M19500 PLATFORM LH ASSY
28	1	33410	COLLAPSIBLE HANDRAIL TBH INTER LH PLATFORM ASSY
29	1	33412	COLLAPSIBLE HANDRAIL TBH INTER LH P/FORM H/RAIL ASSY
30	1	33418	COLLAPSIBLE H/RAIL TBH INTER LH P/FORM GATE H/RAIL ASSY
31	1	33423	COLLAPSIBLE HANDRAIL TBH LOWER LADDER ASSY
32	1	33425	WALKWAY SUPPORT LEG TBH REAR WALKWAY & PLATFORM
33	1	33433	WALKWAY SUPPORT LEG TBH REAR PLATFORM
34	2	34102	COLLAPSIBLE HANDRAIL ELECTRIC ACTUATOR – New type
		33165	COLLAPSIBLE HANDRAIL ELECTRIC ACTUATOR – Old Type (refer MS Series II Spare Parts Manual version 2.1 for fasteners and bracket to suit)
35	1	34103	COLLAPSIBLE HANDRAIL ACTUATOR LH BRACKET WELD
36	1	34107	COLLAPSIBLE HANDRAIL ACTUATOR RH BRACKET WELD
37	1	34114	COLLAPSIBLE HANDRAIL UPPER LADDER LH POST ASSY
38	1	34115	COLLAPSIBLE HANDRAIL UPPER LADDER RH POST ASSY
39	2	09931	GAS STRUT 8 x 405mm LG STROKE 148mm
40	4	09939	SCREW HEX SOCKET M4 x 20mm
41	4	09940	WASHER FLAT M4
42	4	09941	NUT M4 Nylock
43	2	09247	BOLT M6 x 16mm
44	2	09063	SCREW HEX HEAD M6 x 20mm
45	2	09195	WASHER SPRING M6
46	2	09064	NUT M6 Nylock
47	2	09166	NUT M6
48	4	09106	WASHER FLAT M8

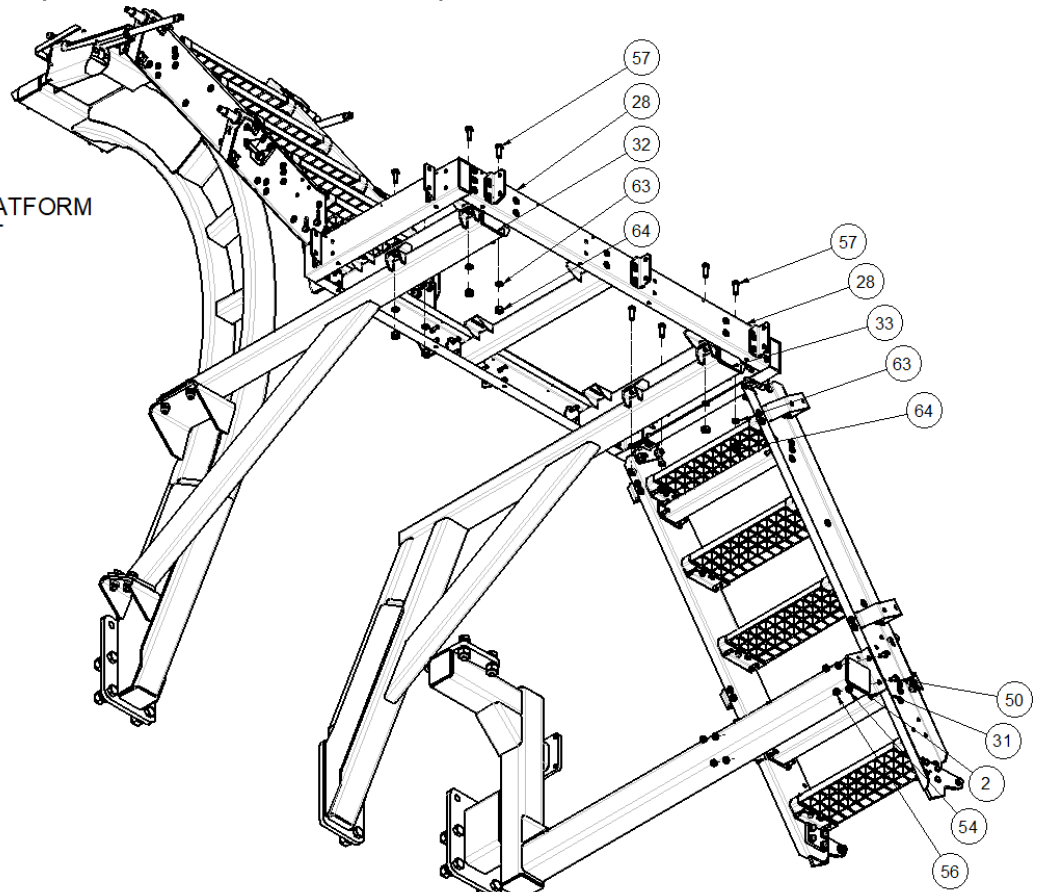
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49	4	09277	NUT M8 Nylock
50	10	09430	BOLT M10 x 25mm
51	9	09487	BOLT M10 x 35mm
52	5	09500	BOLT M10 x 60mm
53	2	09140	BOLT HEX M10 x 70mm
54	17	09141	WASHER FLAT M10
55	9	09131	NUT M10
56	26	09488	NUT M10 Nylock
57	39	09263	BOLT M12 x 35mm
58	4	09298	BOLT M12 x 50mm
59	37	09349	BOLT M12 x 65mm
60	11	33063	BOLT M12 x 110mm
61	1	09231	BOLT M12 x 120mm
62	73	09031	WASHER FLAT M12
63	36	09010	WASHER SPRING M12
64	36	09054	NUT M12
65	56	09701	NUT M12 Nylock
66	17	09023	WASHER FLAT M16
67	15	09459	NUT M16 Nylock
68	31	09261	BOLT M20 x 65mm
69	31	09042	WASHER SPRING M20
70	31	09041	NUT M20

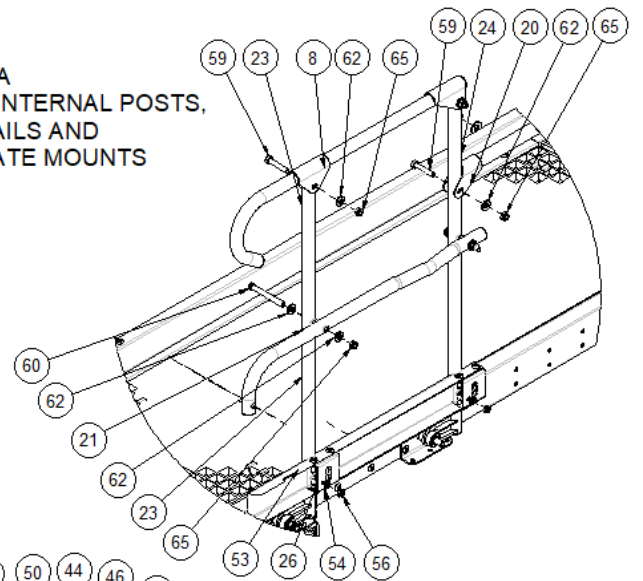




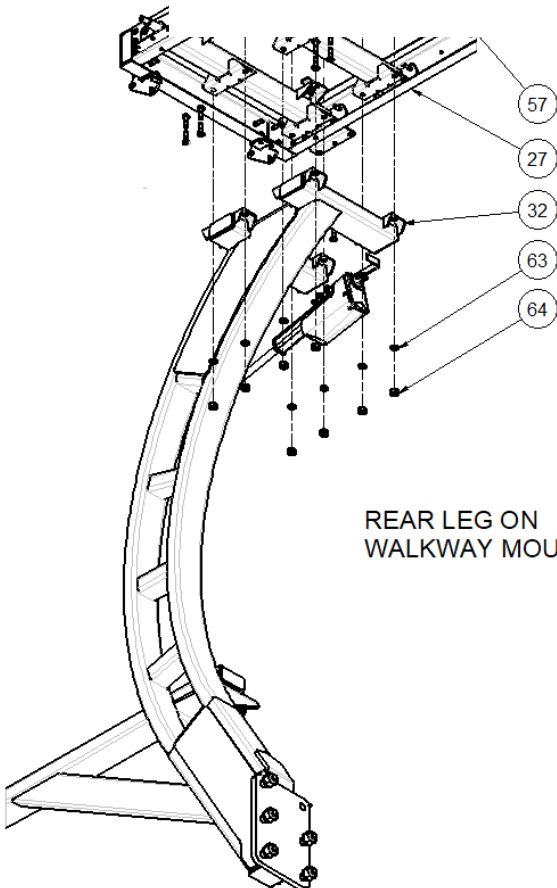
INTERMEDIATE PLATFORM
SUPPORTS MOUNT



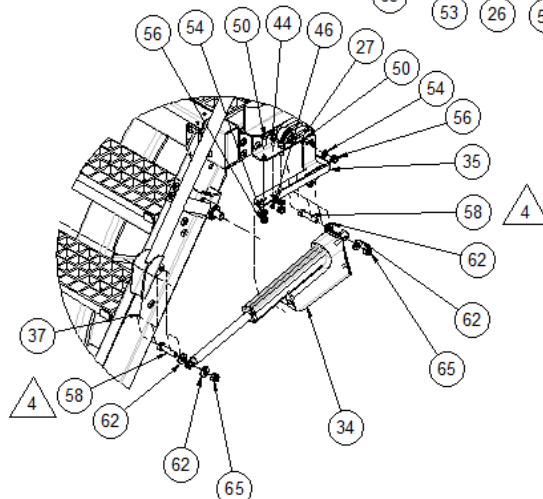
DETAIL A
FRONT INTERNAL POSTS,
HANDRAILS AND
KICKPLATE MOUNTS



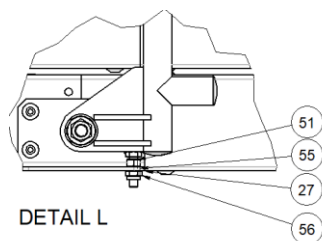
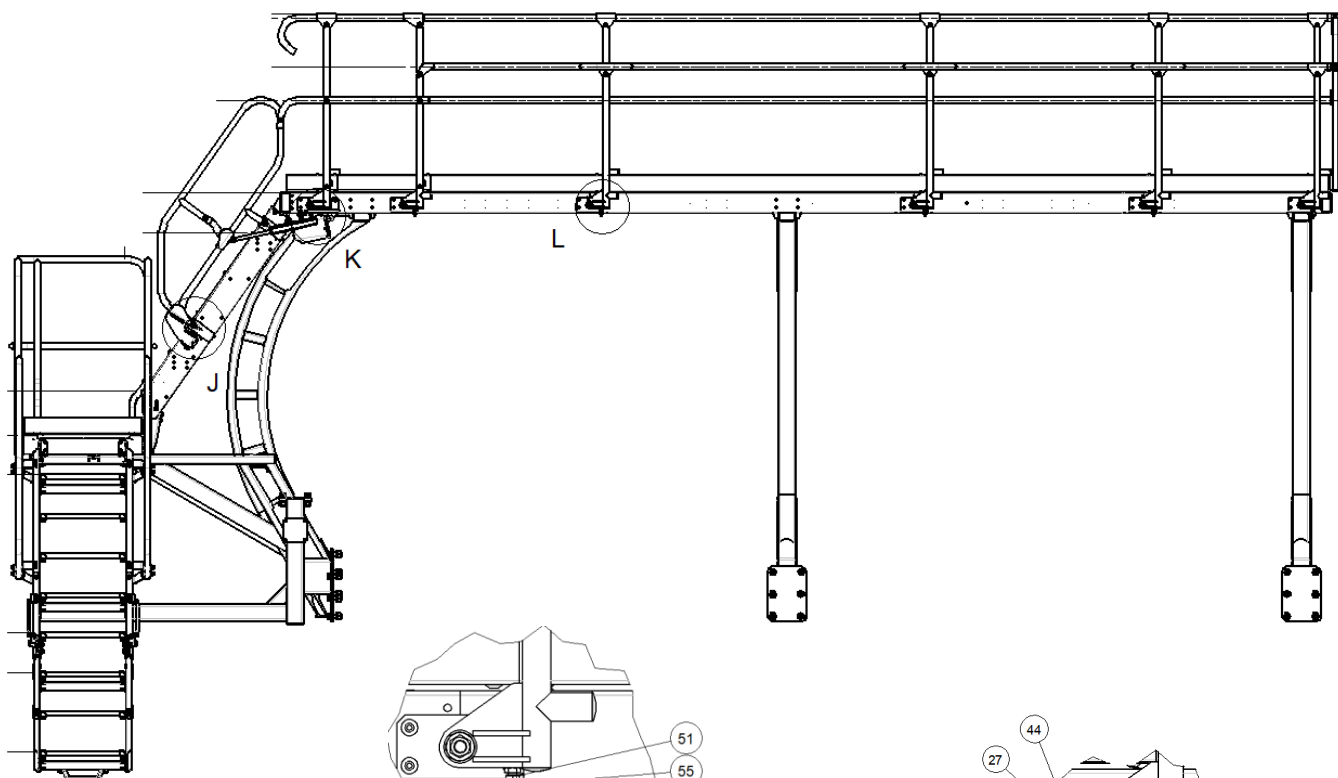
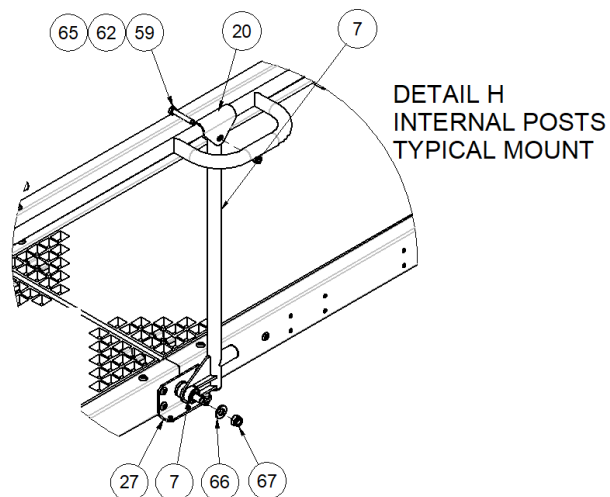
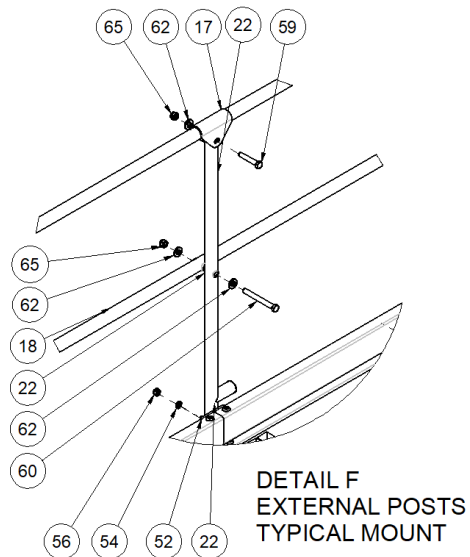
REAR LEG ON
WALKWAY MOUNT



DETAIL B
ACTUATORS MOUNT

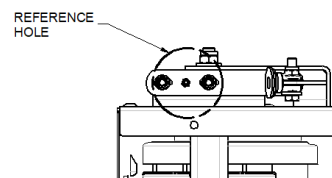
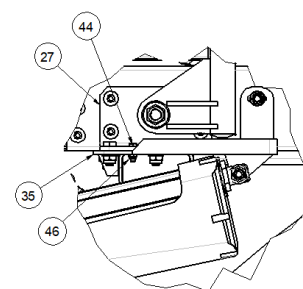


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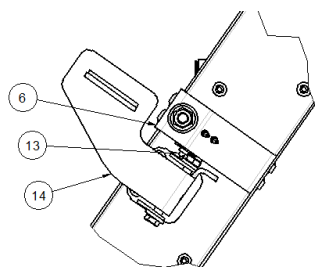
IMPORTANT: ADJUST THE BOLT HEIGHT SO THAT IT IS IN CONTACT WITH THE POST LOWER EDGE WHEN THE POST IS IN THE VERTICAL POSITION.

THE REGISTER MUST BE ON EACH WALKWAY POST EXCEPT THE FIRST ONE OF EACH SIDE.



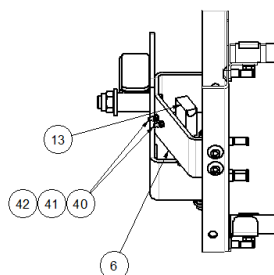
DETAIL K

IMPORTANT: WHEN ACTUATOR BRACKETS ITEM 35 ARE IN POSITION TO ENSURE THE FULL HANDRAIL EXCURSION, USE THE INDICATED HOLE TO DRILL A $\varnothing 6$ HOLE THRU THE ITEM 27, AND INSERT ITEMS 44 AND 46 TO PREVENT THE BRACKETS SLIDING.



DETAIL J

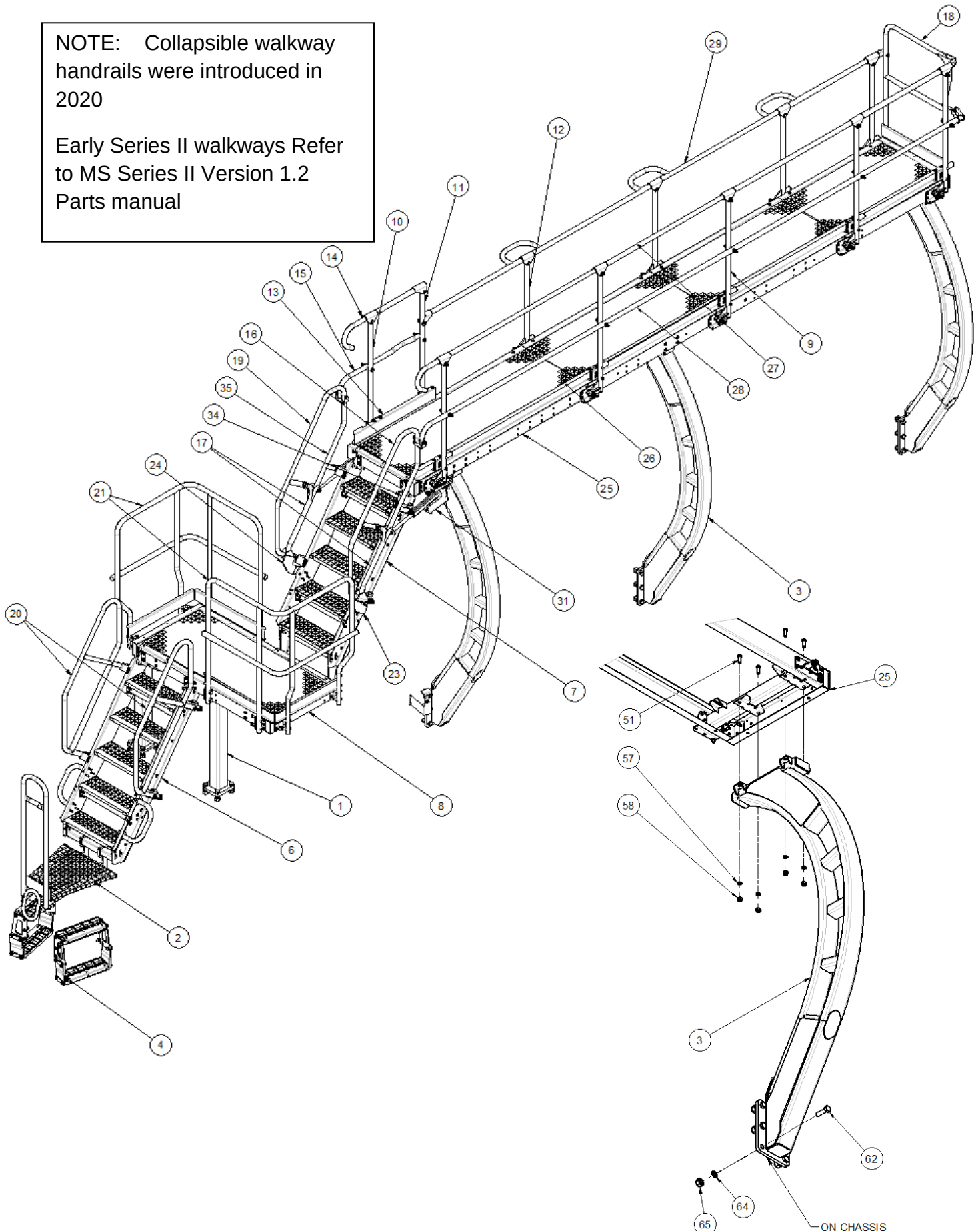
IMPORTANT: ADJUST THE SWITCH POSITION SO THAT IT IS IN CONTACT AND ACTIVATED BY THE INDICATED BLOCK SURFACE WHEN THIS IS IN LOCK POSITION.



4.2 Tow Between (TBT) Walkway Collapsible H/Rail - 2020on

NOTE: Collapsible walkway handrails were introduced in 2020

Early Series II walkways Refer to MS Series II Version 1.2 Parts manual

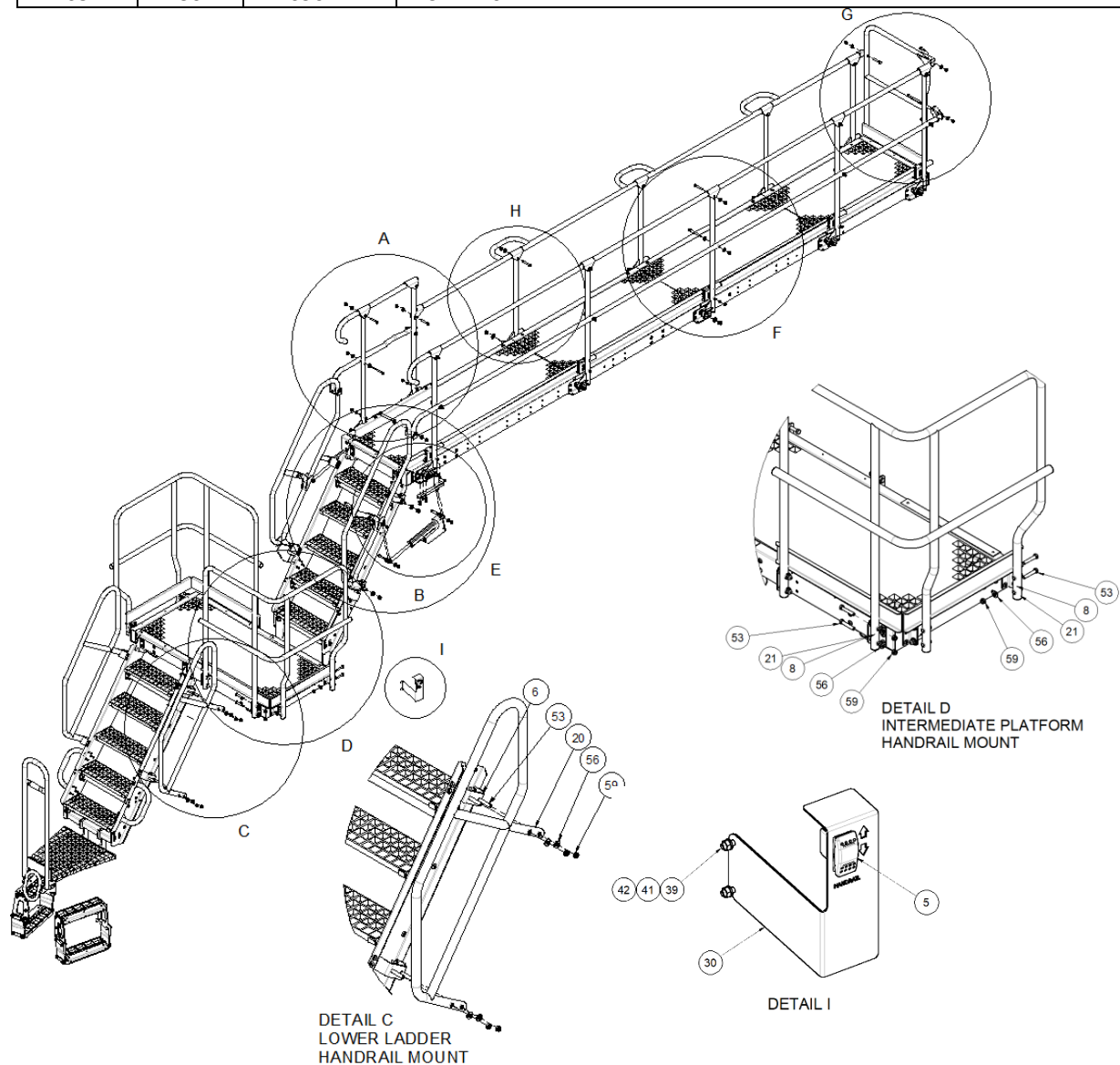


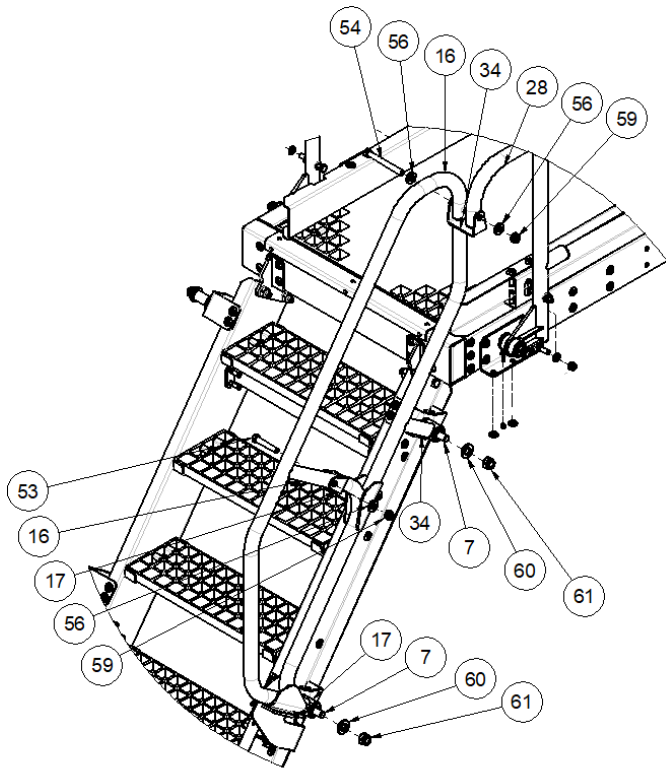
Tow Between (TBT) Walkway – Collapsible H/Rail

Item #	Qty	Part #	Description
All	1	33223	M18000 TBT WALKWAY COLLAPSIBLE HANDRAIL ASSY LH SERIES II
NS		33209	M19500 TBT WALKWAY COLLAPSIBLE HANDRAIL ASSY LH SERIES II
NS		33236	M15000 TBT WALKWAY COLLAPSIBLE HANDRAIL ASSY LH SERIES II
NS		33249	M14000 TBT WALKWAY COLLAPSIBLE HANDRAIL ASSY LH SERIES II
NS		33262	M22000 TBT WALKWAY COLLAPSIBLE HANDRAIL ASSY LH SERIES II
NS		33065	M24000 TBT WALKWAY COLLAPSIBLE HANDRAIL ASSY LH SERIES II
NS		33275	M27000 TBT WALKWAY COLLAPSIBLE HANDRAIL ASSY LH SERIES II
NS		33577	M28000 TBT WALKWAY COLLAPSIBLE HANDRAIL ASSY LH SERIES II
1	1	28468	INTER PLATFORM LH SUPPORT FRAME
2	1	28472	WALKWAY CROSSOVER ASSY
3	3	29928	WALKWAY SUPPORT LEG MAIN V2
4	2	30013	WALKWAY CROSSOVER SIDE STEP LADDER ASSY
5	1	33064	SWITCH ROCKER MOMENTARY ACTION
6	1	33068	COLLAPSIBLE HANDRAIL LOWER LADDER ASSY
7	1	33069	COLLAPSIBLE HANDRAIL UPPER LADDER ASSY
8	1	33070	COLLAPSIBLE HANDRAIL INTER LH PLATFORM ASSY
9	5	33093	COLLAPSIBLE HANDRAIL EXTERNAL POST ASSY
10	1	33112	COLLAPSIBLE HANDRAIL FIRST INT POST ASSY
11	1	33114	COLLAPSIBLE HANDRAIL SECOND INT POST ASSY
12	4	33117	COLLAPSIBLE HANDRAIL INTERNAL POST ASSY
13	1	33133	COLLAPSIBLE HANDRAIL INTERNAL KICKPLATE WELD
14	1	33152	COLLAPSIBLE HANDRAIL UPPER INT RAIL ASSY
15	1	33153	COLLAPSIBLE HANDRAIL LOWER INT RAIL ASSY
16	1	33155	COLLAPSIBLE HANDRAIL UPPER LADDER LH HANDRAIL ASSY
17	2	33156	COLLAPSIBLE HANDRAIL UPPER LADDER LOWER POST ASSY
18	1	33157	COLLAPSIBLE HANDRAIL REAR GATE ASSY
19	1	33159	COLLAPSIBLE HANDRAIL UPPER LADDER RH HANDRAIL ASSY
20	2	33160	COLLAPSIBLE HANDRAIL LOWER LADDER HANDRAIL ASSY
21	2	33161	COLLAPSIBLE HANDRAIL INT PLATFORM HANDRAIL ASSY
22	2	33184	COLLAPSIBLE HANDRAIL SWITCH COMPLETE
23	1	33186	COLLAPSIBLE HANDRAIL SAFETY BLOCK RH
24	1	33189	COLLAPSIBLE HANDRAIL SAFETY BLOCK LH
25	1	33224	COLLAPSIBLE HANDRAIL M18000 PLATFORM LH ASSY
26	1	33226	COLLAPSIBLE HANDRAIL M18000 EXT KICKPLATE ASSY
27	1	33227	COLLAPSIBLE HANDRAIL MTS 18000 EXT HANDRAIL ASSY
28	1	33230	COLLAPSIBLE HANDRAIL MTS 18000 MID RAIL ASSY
29	1	33233	COLLAPSIBLE HANDRAIL MTS 18000 INT HANDRAIL ASSY
30	1	33325	COLLAPSIBLE HANDRAIL SWITCH BRACKET
31	2	34102	COLLAPSIBLE HANDRAIL ELECTRIC ACTUATOR – New type
		33165	COLLAPSIBLE HANDRAIL ELECTRIC ACTUATOR – Old type (refer MS Series II Spare Parts Manual version 2.1 for fasteners and bracket to suit)
32	1	34103	COLLAPSIBLE HANDRAIL ACTUATOR LH BRACKET WELD
33	1	34107	COLLAPSIBLE HANDRAIL ACTUATOR RH BRACKET WELD
34	1	34114	COLLAPSIBLE HANDRAIL UPPER LADDER LH POST ASSY
35	1	34115	COLLAPSIBLE HANDRAIL UPPER LADDER RH POST ASSY
36	4	09939	SCREW HEX SOCKET M4 x 20mm
37	4	09940	WASHER FLAT M4
38	4	09941	NUT M4 Nylock
39	2	09247	BOLT M6 x 16mm
40	2	09063	SCREW HEX HEAD M6 x 20mm
41	2	09195	WASHER SPRING M6
42	2	09166	NUT M6

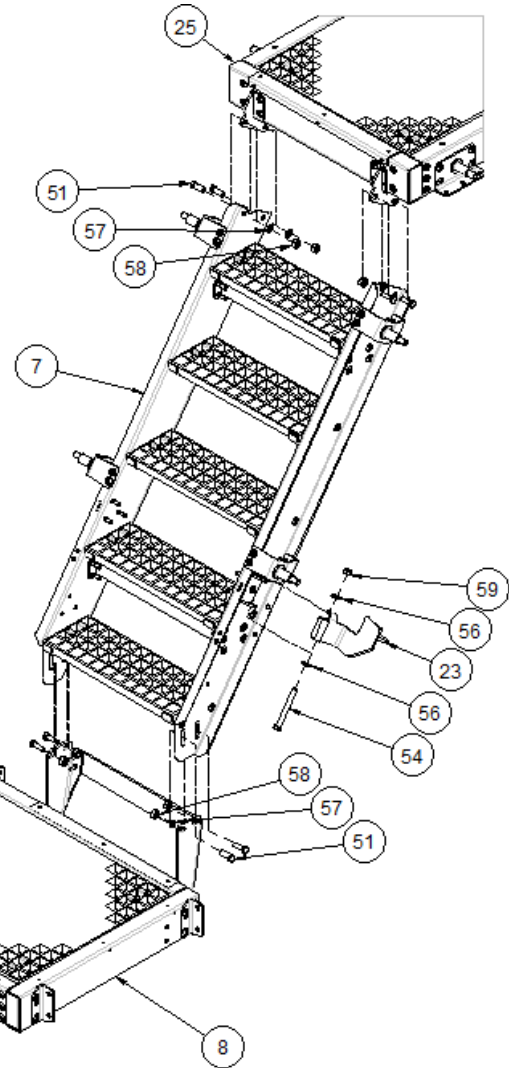
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43	2	09064	NUT M6 Nylock
44	6	09430	BOLT M10 x 25mm
45	9	09487	BOLT M10 x 35mm
46	5	09500	BOLT M10 x 60mm
47	2	09140	BOLT M10 x 70mm
48	13	09141	WASHER FLAT M10
49	9	09131	NUT M10
50	22	09488	NUT M10 Nylock
51	45	09263	BOLT M12 x 35mm
52	4	09298	BOLT M12 x 50mm
53	39	09349	BOLT M12 x 65mm
54	11	33063	BOLT M12 x 110mm
55	1	09231	BOLT M12 x120mm
56	73	09031	WASHER FLAT M12
57	44	09010	WASHER SPRING M12
58	44	09054	NUT M12
59	56	09701	NUT M12 Nylock
60	15	09023	WASHER FLAT HT M16
61	15	09459	NUT M16 Nylock
62	18	09261	BOLT M20 x 65mm
63	12	09731	BOLT M20 x 70mm
64	30	09042	WASHER SPRING M20
65	30	09041	NUT M20

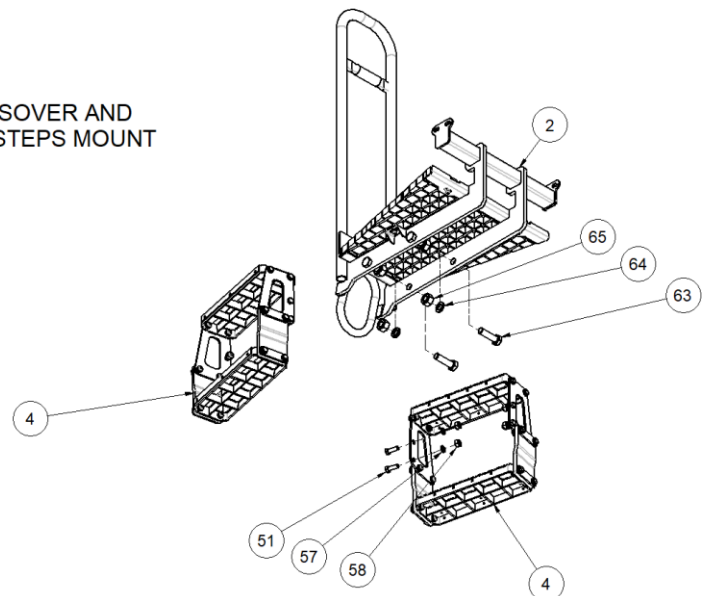
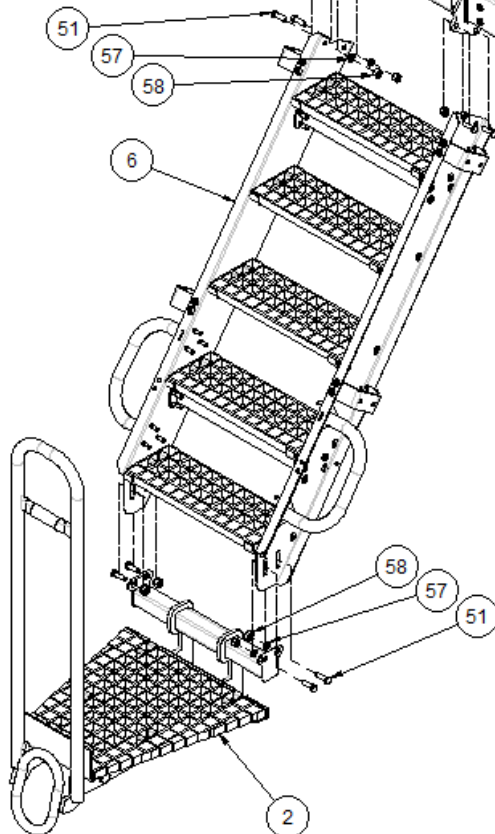


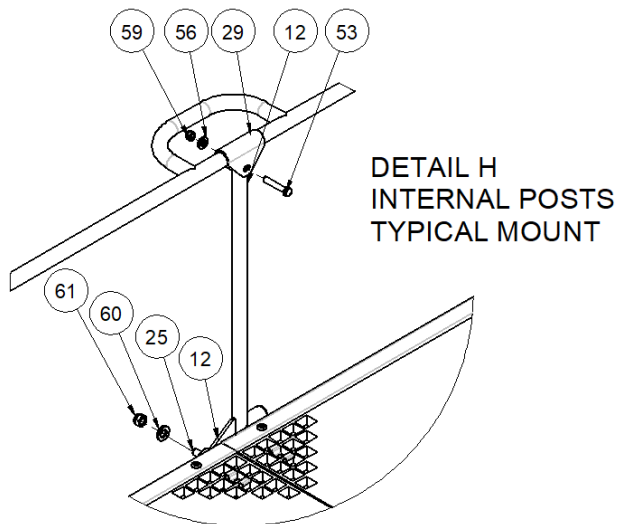
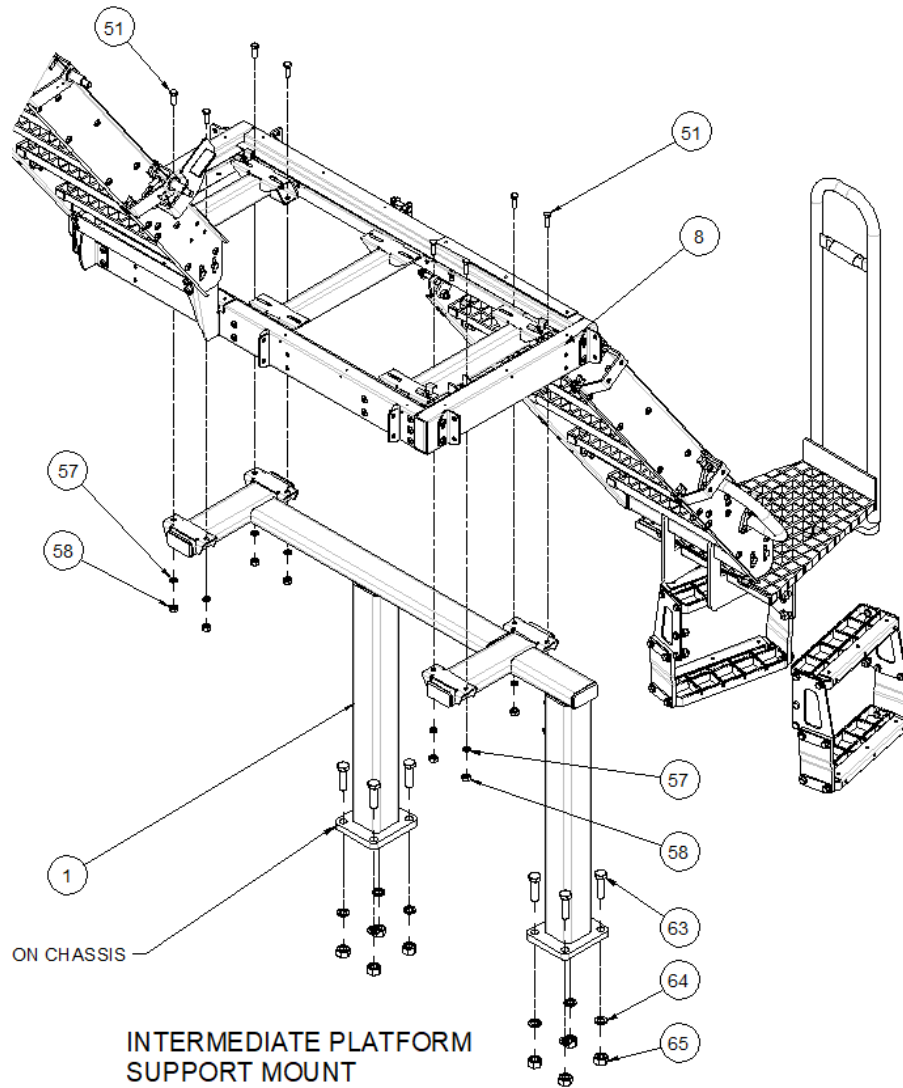


DETAIL E
UPPER LADDER
HANDRAIL MOUNT

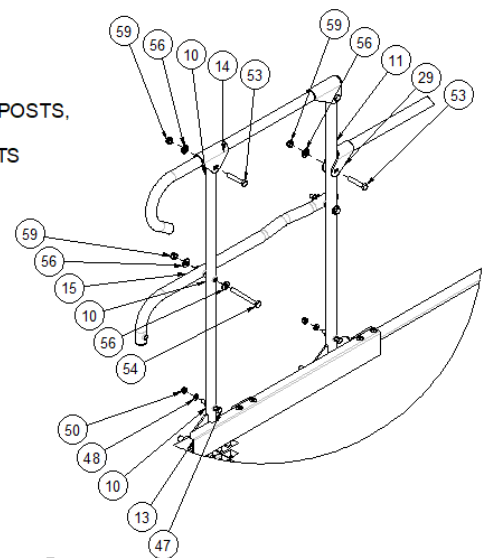


CROSSOVER AND
SIDE STEPS MOUNT

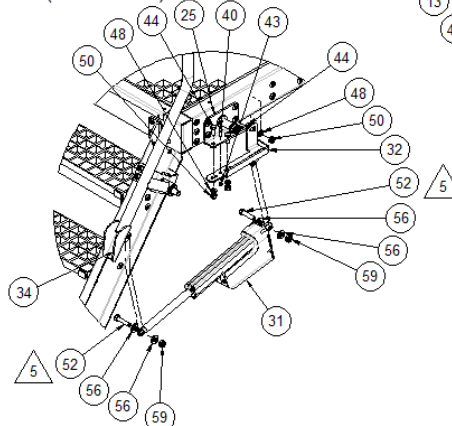




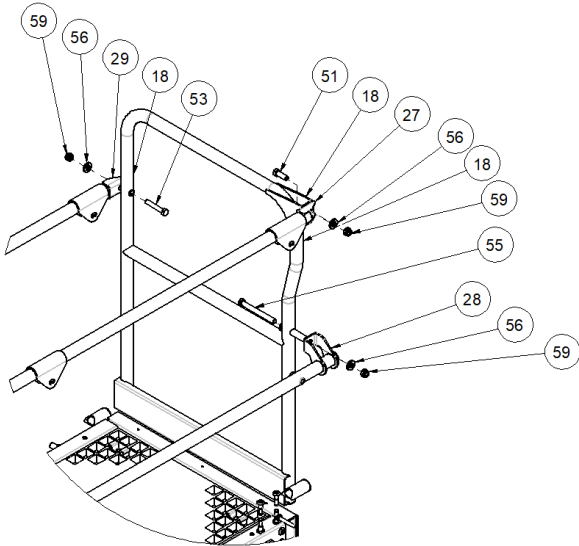
**DETAIL A
FRONT INTERNAL POSTS,
HANDRAILS AND
KICKPLATE MOUNTS**



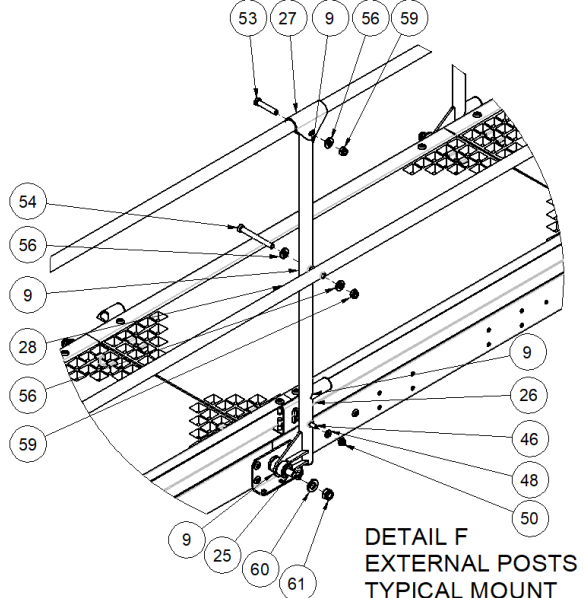
**DETAIL B
ACTUATORS MOUNT
(LH SHOWN)**



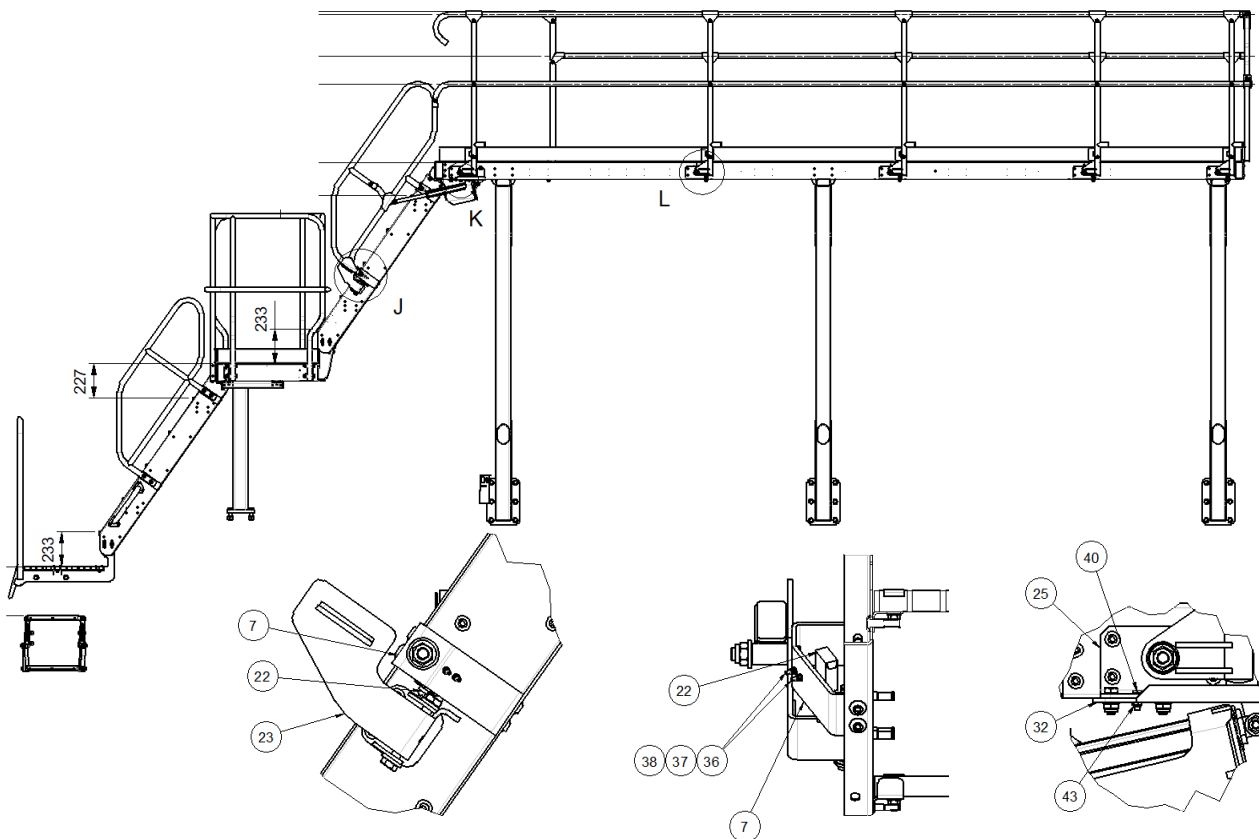
Ausplow Multistream Series II Spare Parts Manual



DETAIL G
REAR GATE MOUNT

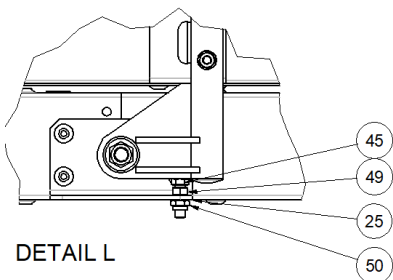


DETAIL F
EXTERNAL POSTS
TYPICAL MOUNT



DETAIL J

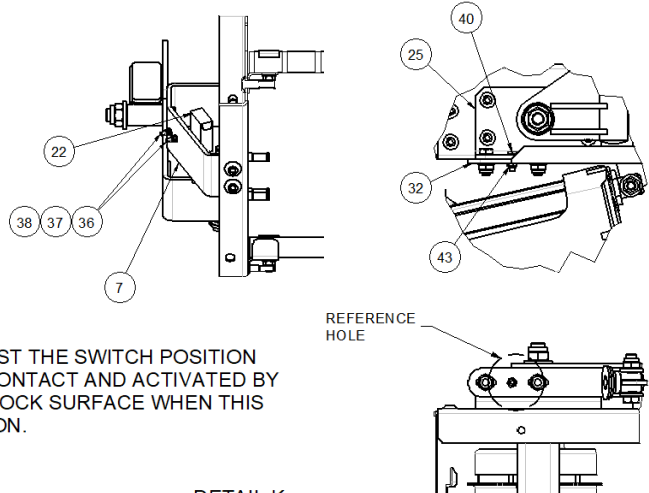
IMPORTANT: ADJUST THE SWITCH POSITION SO THAT IT IS IN CONTACT AND ACTIVATED BY THE INDICATED BLOCK SURFACE WHEN THIS IS IN LOCK POSITION.



DETAIL L

IMPORTANT: ADJUST THE BOLT HEIGHT SO THAT IT IS IN CONTACT WITH THE POST LOWER EDGE WHEN THE POST IS IN THE VERTICAL POSITION.

THE REGISTER MUST BE ON EACH WALKWAY POST
EXCEPT THE FIRST ONE OF EACH SIDE.

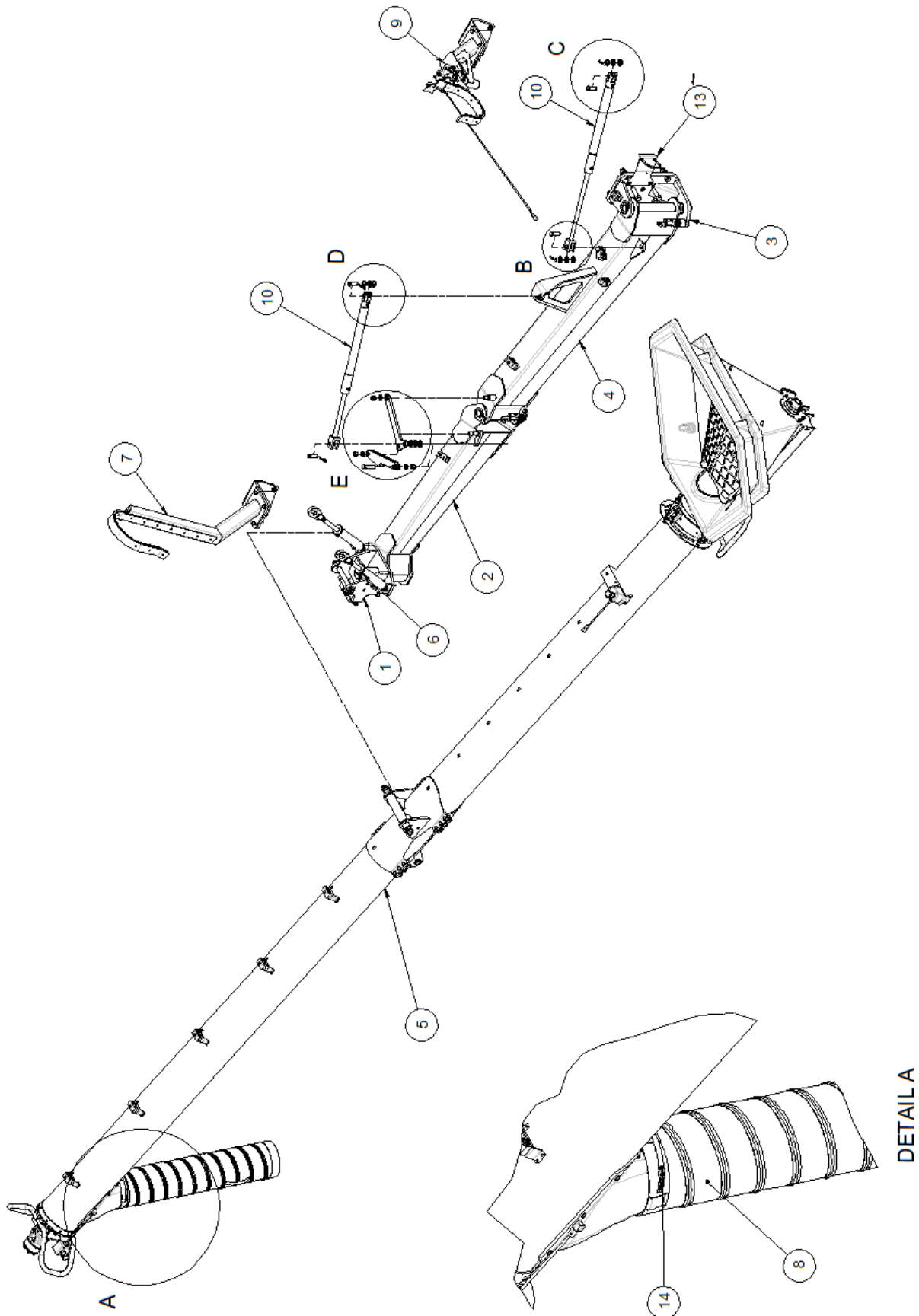


DETAIL K

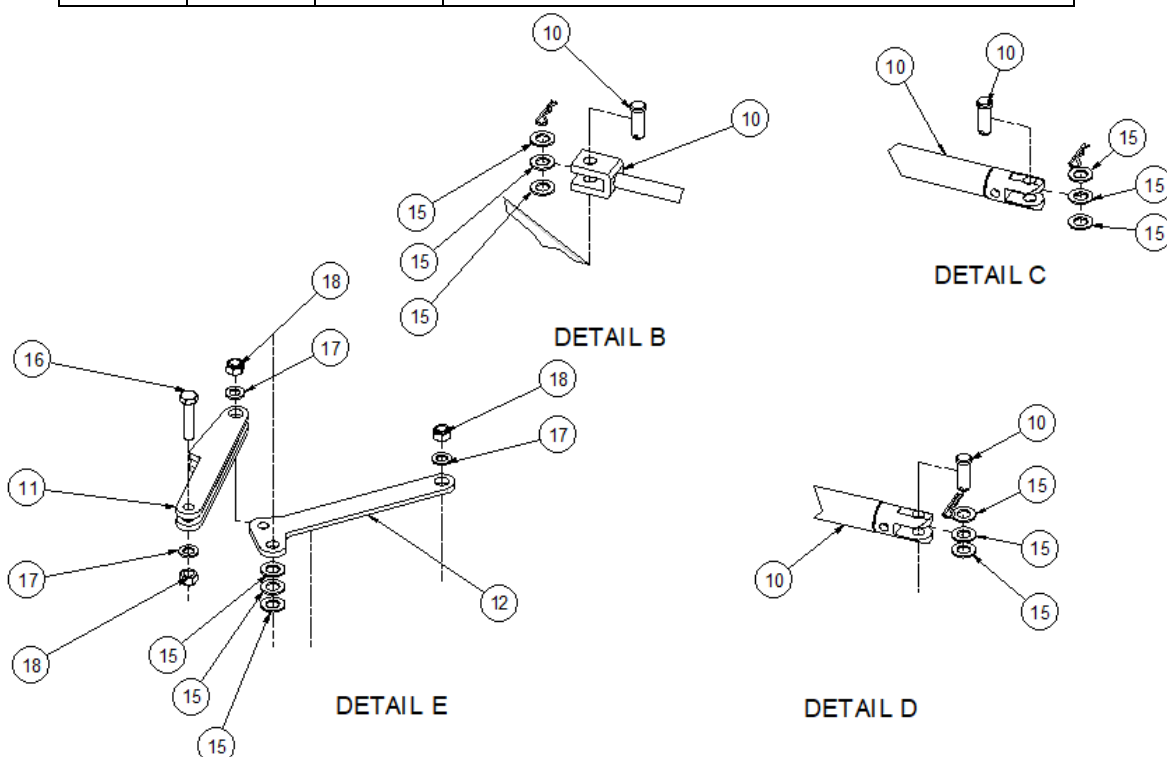
IMPORTANT: WHEN ACTUATOR BRACKETS ITEM 32 ARE IN POSITION TO ENSURE THE FULL HANDRAIL EXCURSION, USE THE INDICATED HOLE TO DRILL A Ø6 HOLE THRU THE ITEM 25, AND INSERT ITEMS 40 AND 43 TO PREVENT THE BRACKETS SLIDING.

5.0 Auger Assemblies

5.1 Auger Assy 10" Series II – Hydraulic Arm – 2019 on



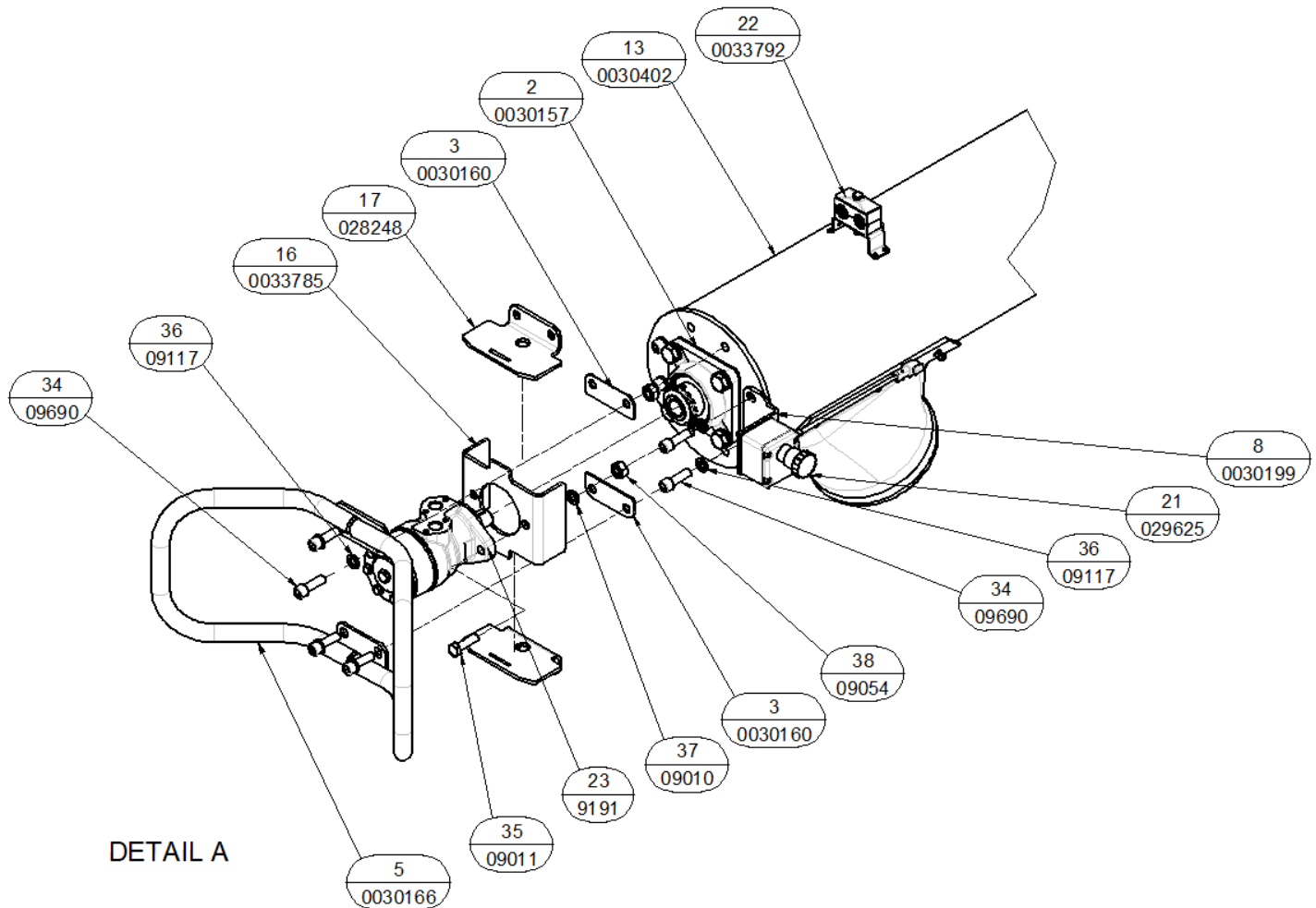
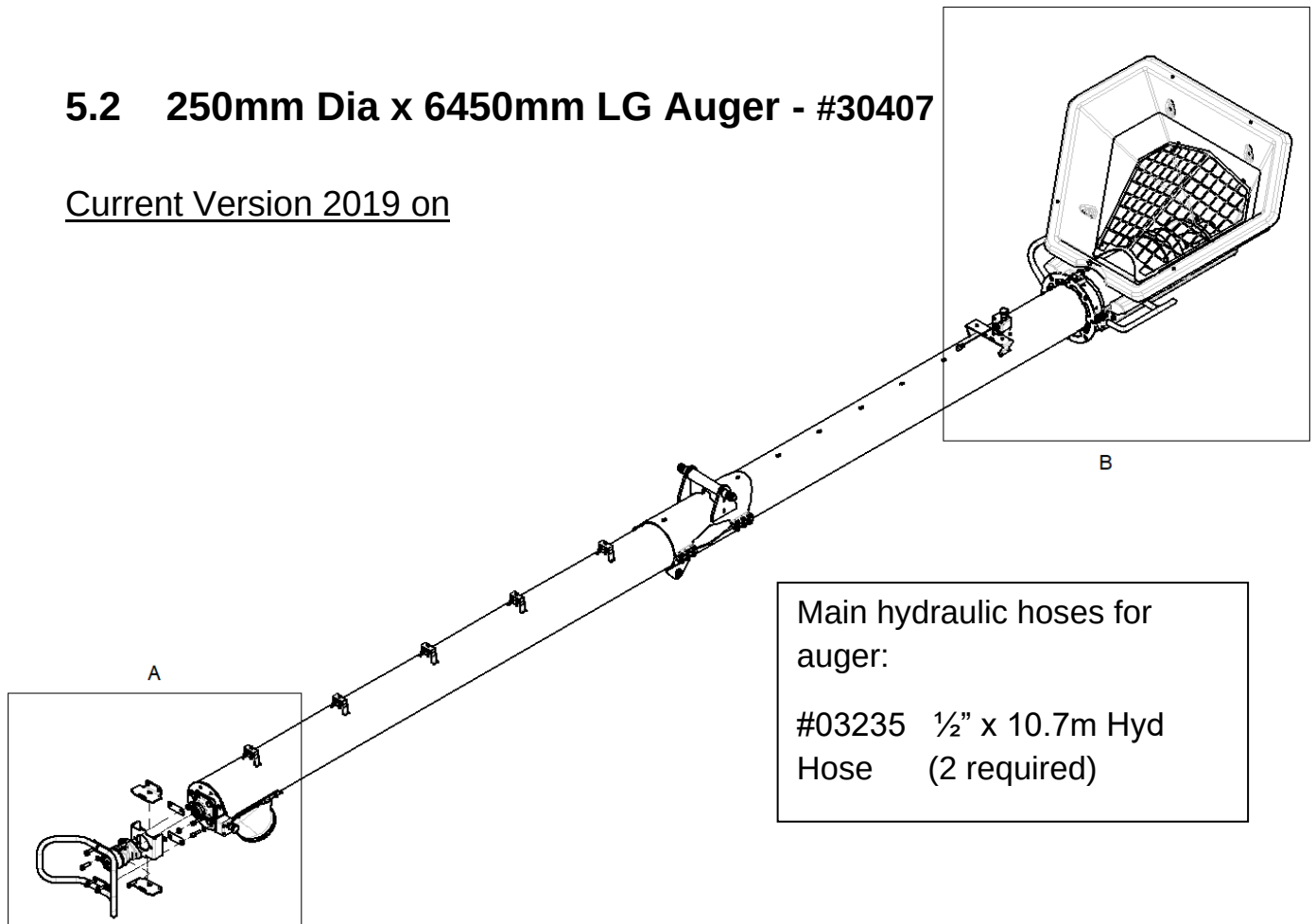
Item	Qty	Part#	Description#
ALL	1	30496	AUGER KIT COMPLETE 250X6450MM SERIES II
1	1	30265	AUGER TOP SWIVEL ASSY
2	1	30269	AUGER TOP ARM ASSY
3	1	30282	BASE SWIVEL ASSY
4	2	30286	AUGER LOWER ARM ASSY
5	1	30407	AUGER 250X6450 GA
6	2	30432	AUGER INCLINATION CYL ASSY 1.5"X2"
	2	16194	AUGER INCLINE CYL PIN ¾" & LYNCH PIN
	2	16195	LYNCH PIN AUGER INCLINE CYL
	1	16196	SEAL KIT AUGER INCLINE
7	1	32683	REAR STOW ARM ASSY
8	1	30514	AUGER TRUNK ASSY 205X1000MM
9	1	32663	FRONT STOW ARM GA
10	2	32646	AUGER ARM HYDRAULIC CYLINDER
	1	16196	SEAL KIT AUGER ARM
11	1	32717	AUGER ARMS LINK ROD TOP WELDED
12	1	32714	AUGER ARMS LINK ROD LOWER
13	1	32824	AUGER ARMS HOSES RETENTION ASSY
14	1	09352	HOSE CLAMP 155-216 mm SS
15	12	09003	WASHER FLAT M20
16	1	09025	BOLT M16 x 70mm
17	3	09023	WASHER FLAT M16
18	3	09459	NUT M16 NYLOCK

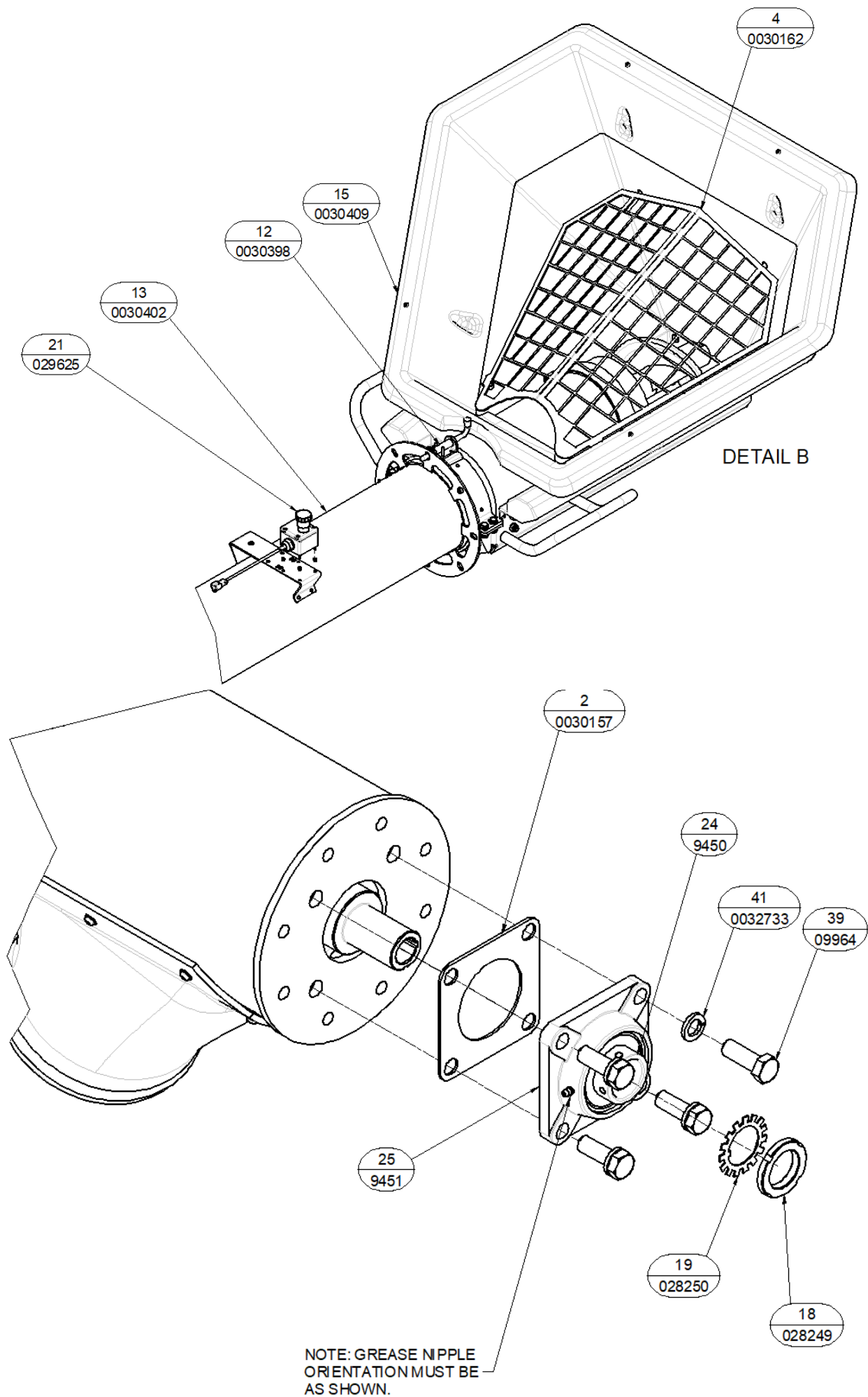


Please refer MS Series II Spare Parts Manual (Version 1.3) for early version with brakes and lights.

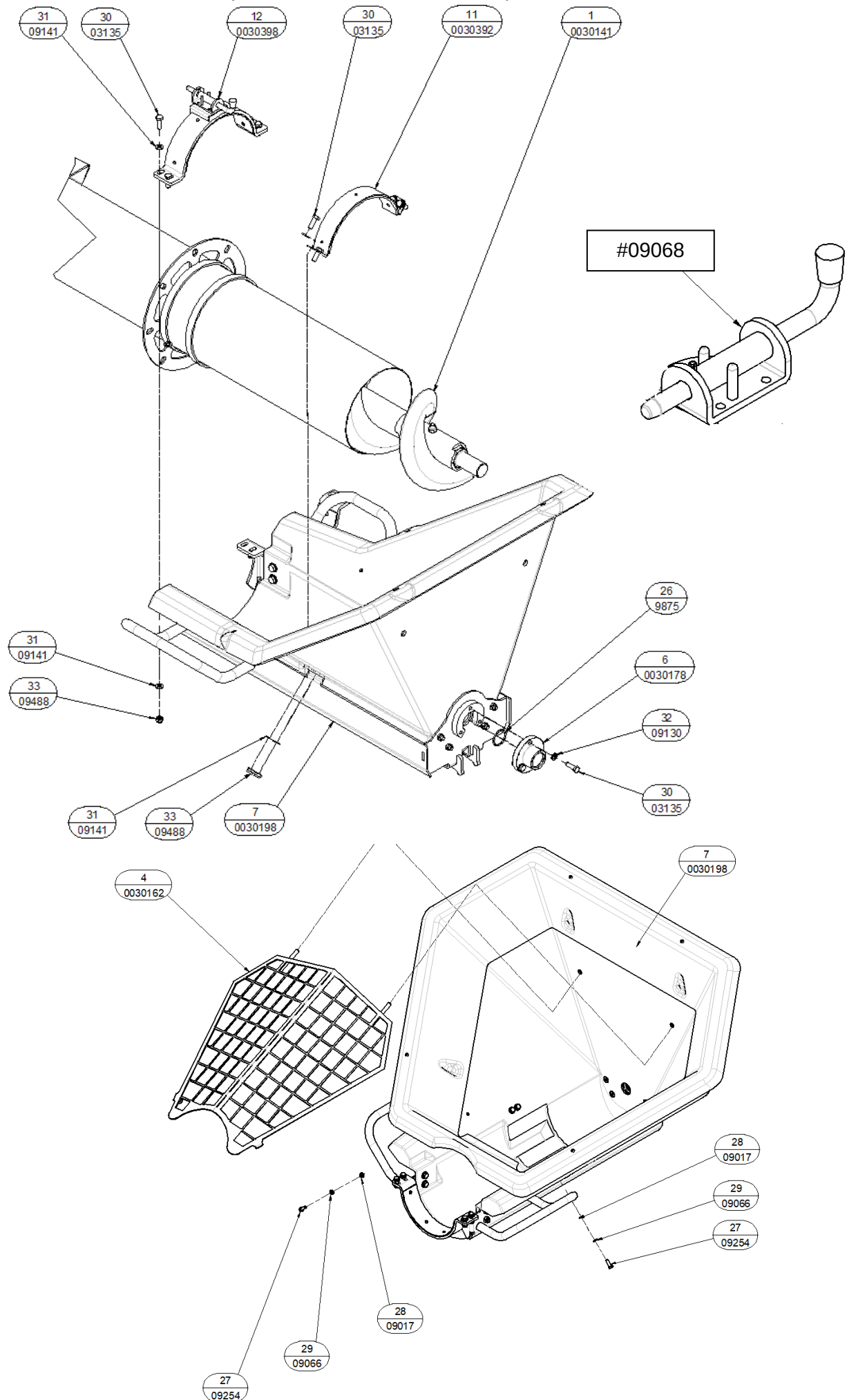
5.2 250mm Dia x 6450mm LG Auger - #30407

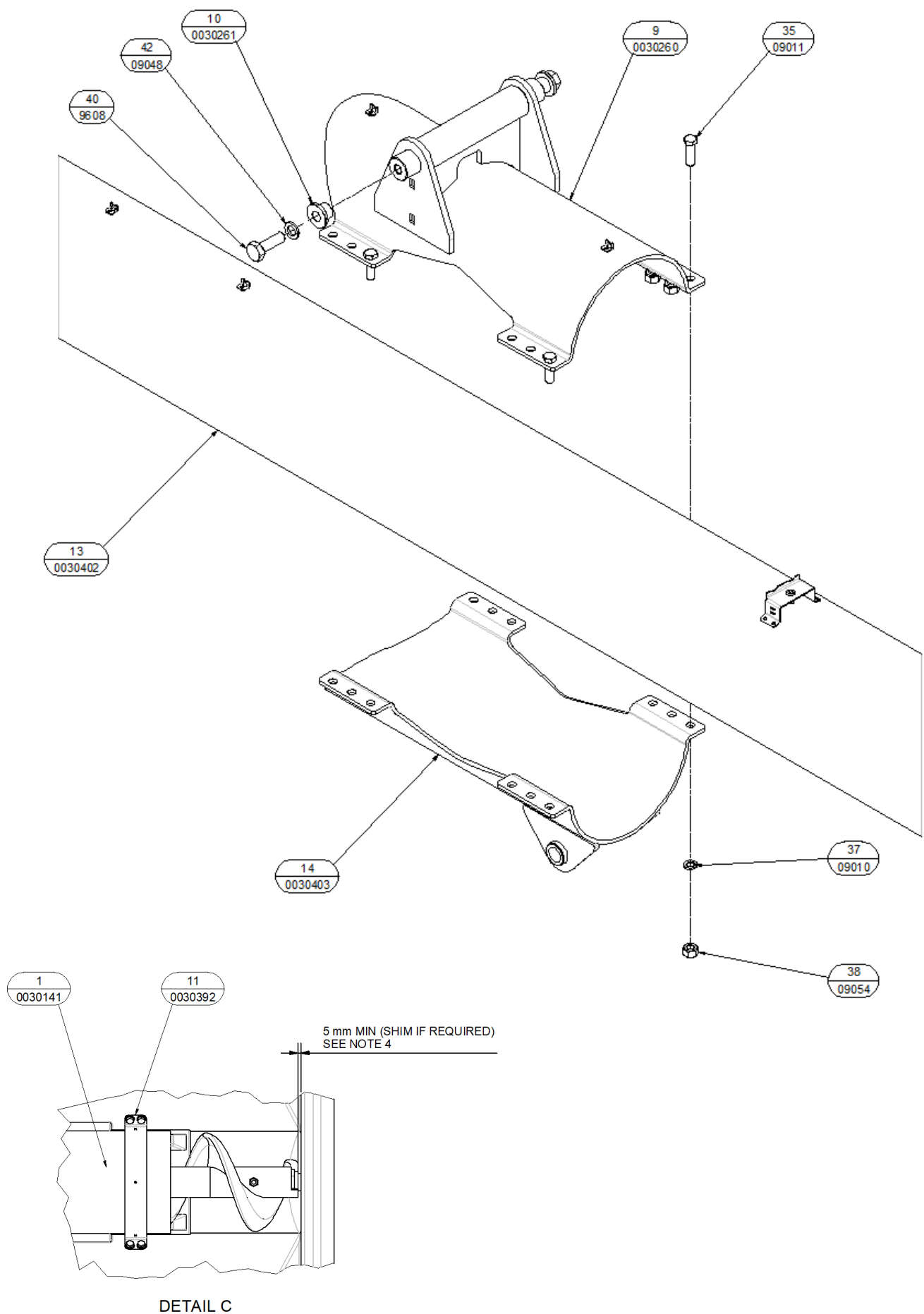
Current Version 2019 on



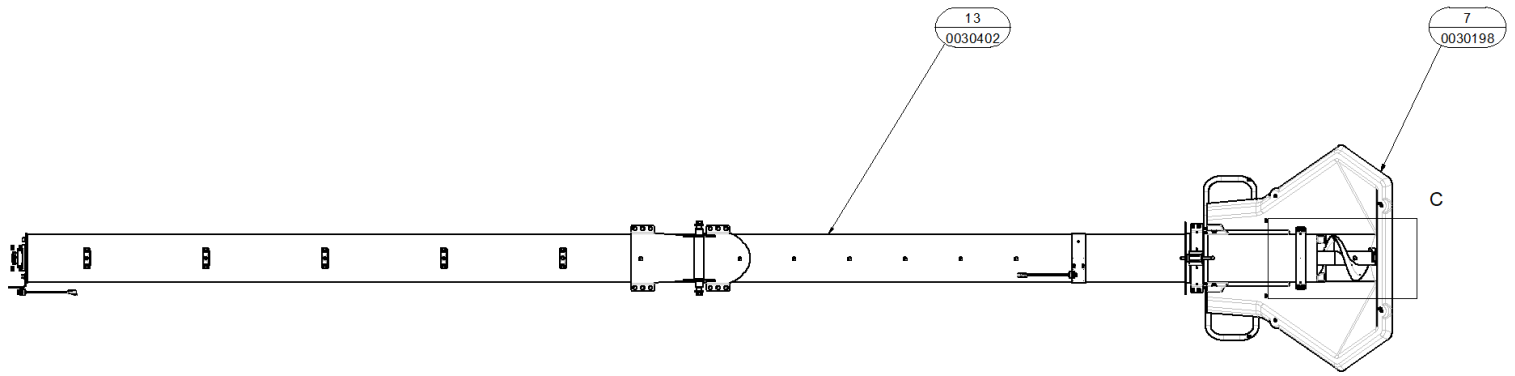


Ausplow Multistream Series II Spare Parts Manual





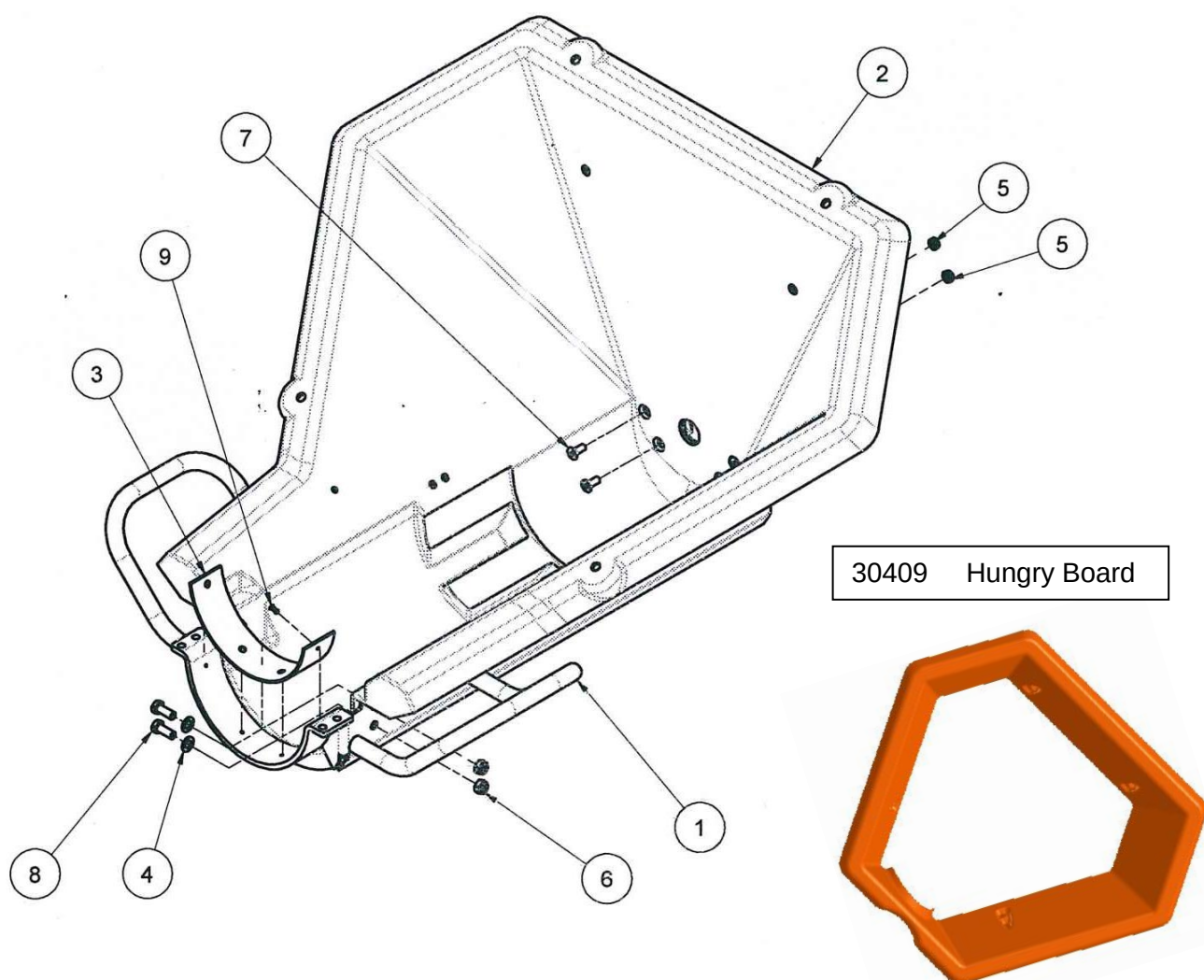
Ausplow Multistream Series II Spare Parts Manual



Item #	Qty	Part #	Description
1	1	30141	250 DIA POLY FLIGHTING Assy
2	1	30157	MOTOR BEARING SHIM 2.5mm
3	2	30160	MOTOR BRACKET SHIM 2.5mm
4	1	30162	HOPPER SCREEN 250 DIA AUGER
5	1	30166	AUGER TOP HANDLE
6	1	30178	LOWER BEARING BLOCK ASSY
7	1	30198	HOPPER AND SWIVEL ASSY
8	1	30199	LIGHT AND E STOP BRACKET
9	1	30260	AUGER BARREL UPPER CLAMP ASSY
10	2	30261	CYLINDER SLIDE BUSH
11	1	30392	LOWER SWIVEL HALF RING ASSY
12	1	30398	HOPPER SWIVEL HALF RING ASSY
13	1	30402	250 DIA x 6450 LG BARREL ASSY
14	1	30403	AUGER BARREL LOWER CLAMP ASSY
15	1	30409	HOPPER HUNGRY BOARD 250 DIA AUGER
16	1	33785	MOTOR REAR MOUNT EXTENDED
17	2	28248	MOTOR SIDE PLATE EXTENDED
18	1	28249	BEARING NUT M40
19	1	28250	LOCK WASHER M40
20	1	32748	AUGER LOOM AUX HARNESS – No Brake Lights
21	2	29625	AUGER STOP SWITCH ASSY
22	5	33792	HYDRAULIC HOSE MOUNT CLAMP
23	1	09191	HYDROMOTOR 200cc (Motor Key 06880)
24 & 25	1	09452	BEARING & HOUSING ASSY (09450 & 09451)
24	1	09450	BEARING S/A 40mm
25	1	09451	BEARING HOUSING FLANGE 40mm
26	1	09875	O RING NITRILE 1 ½" x 1/8"
27	2	09254	BOLT M8 x 2mm
28	2	09017	WASHER FLAT M8
29	2	09066	WASHER SPRING M8
30	11	03135	BOLT M10 x 30mm
31	16	09141	WASHER FLAT M10
32	3	09130	WASHER SPRING M10
33	8	09488	NUT NYLOC M10

34	8	09690	SCREW SKT HEAD CAP M12 x 40mm
35	14	09011	BOLT HEX M12 x 40mm
36	8	09117	WASHER SPRING M12 SS
37	14	09010	WASHER SPRING M12 ZP
38	14	09054	NUT HEX M12 ZP
39	4	09964	BOLT M16 x 45mm
40	2	09608	BOLT M16 x 45mm
41	4	32733	WASHER SPRING M16 SS
42	2	09048	WASHER SPRING M16 ZP

5.3 Auger Hopper and Swivel Assy

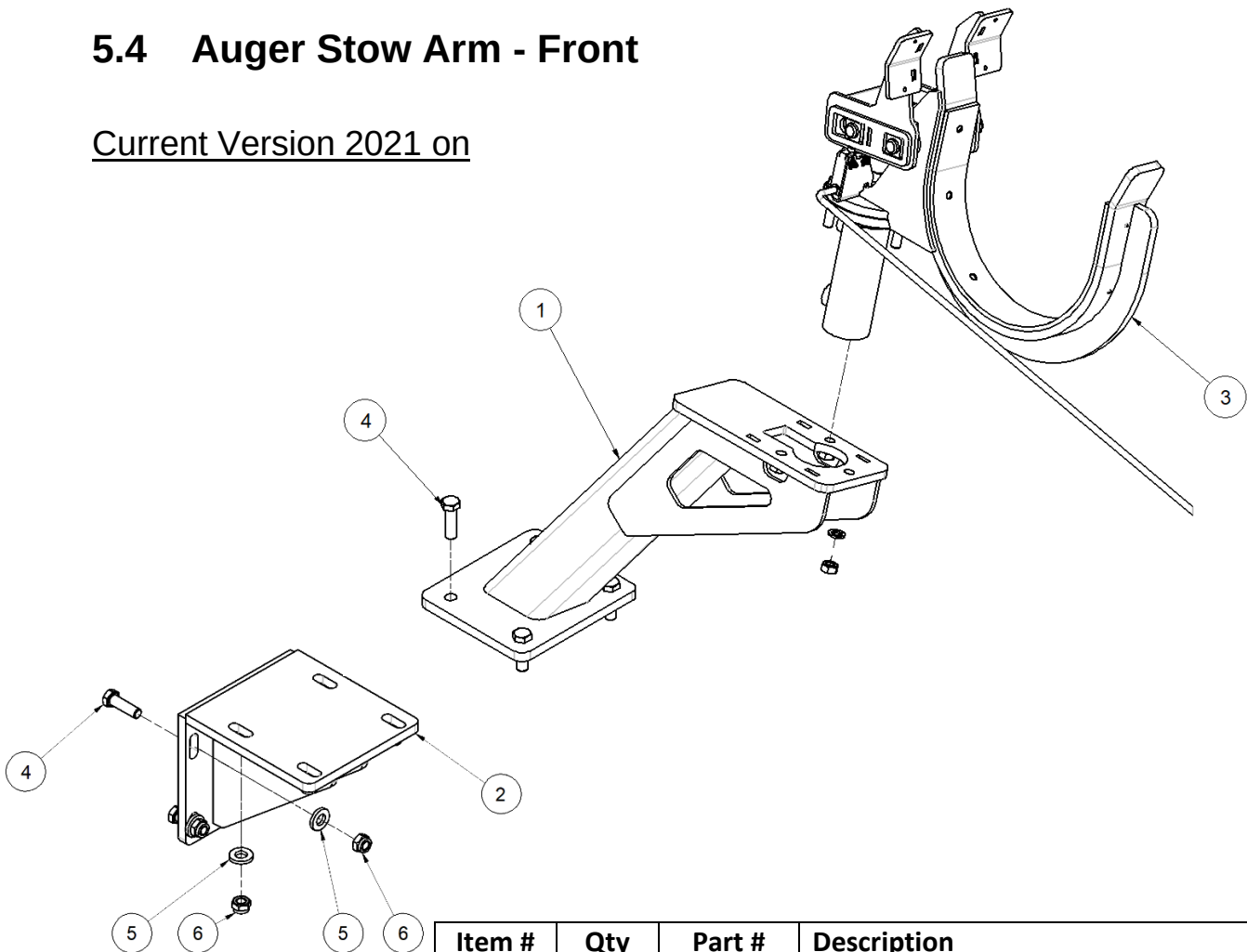


Item	Qty	Part#	Description#
ALL	1	30198	AUGER HOPPER & SWIVEL ASSY

1	1	30190	SWIVEL FRAME WELDMENT
2	1	30224	AUGER HOPPER TRIMMED & DRILLED
3	1	30394	AUGER SWIVEL LINER 65 x 3 x 350mm
4	4	09108	WASHER FLAT M12 SS
5	4	09368	NUT M10 SS Nyloc
6	4	09701	NUT M12 Nyloc
7	4	09868	SCREW M10X25 SS
8	4	09869	SCREW HEX M12 x 30mm SS
9	4	34116	RIVET 3/16 SS

5.4 Auger Stow Arm - Front

Current Version 2021 on

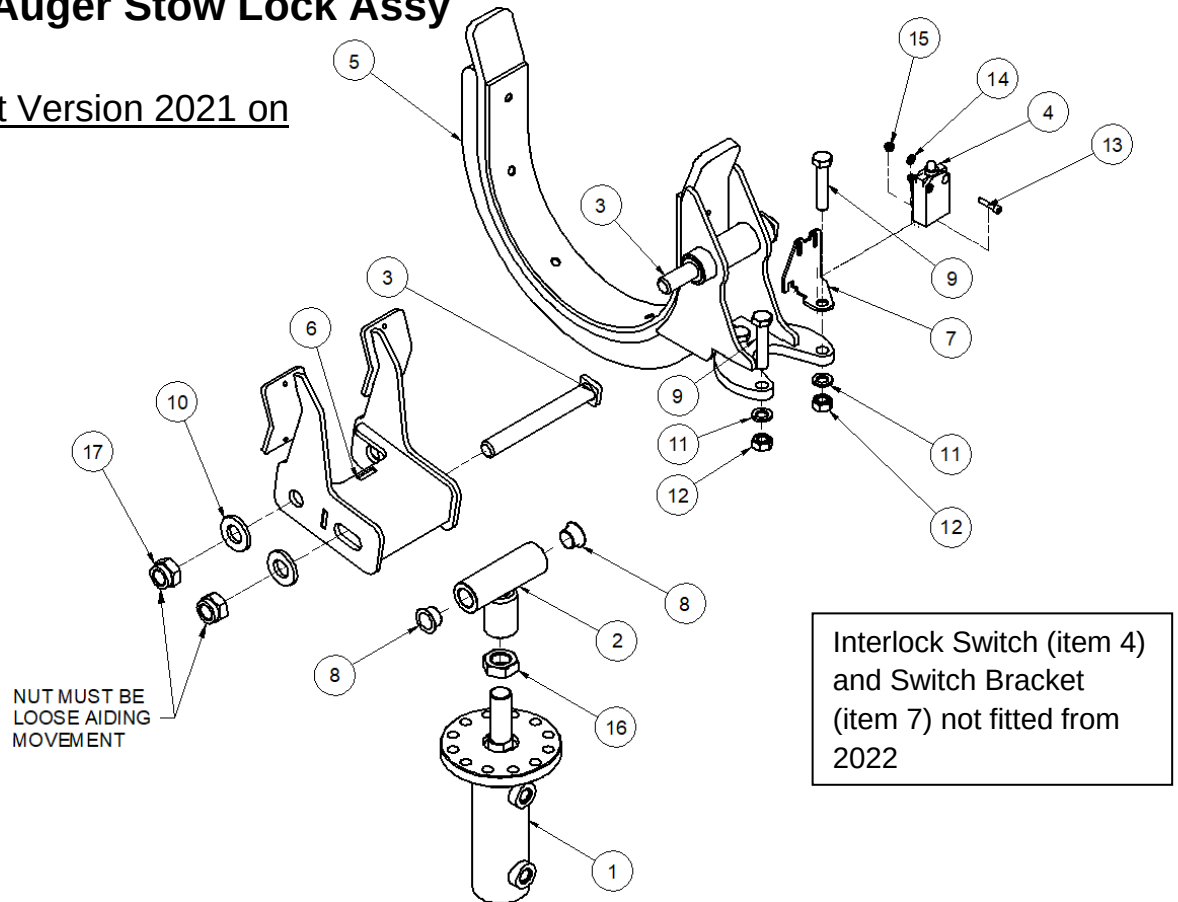


Item #	Qty	Part #	Description
All	1	32663	AUGER STOW ARM FRONT Series II (2021)
1	1	32658	AUGER STOW ARM FRONT
2	1	32657	AUGER ARM FRONT ANGLE SLIDE MOUNT
3	1	32664	AUGER STOW LOCK ASSY
4	8	09011	SCREW M12 x 40mm
5	8	09031	WASHER FLAT M12
6	8	09701	NUT M12 Nyloc

Please refer MS Series II Spare Parts Manual (Version 1.3) for early version (#30529).

5.5 Auger Stow Lock Assy

Current Version 2021 on

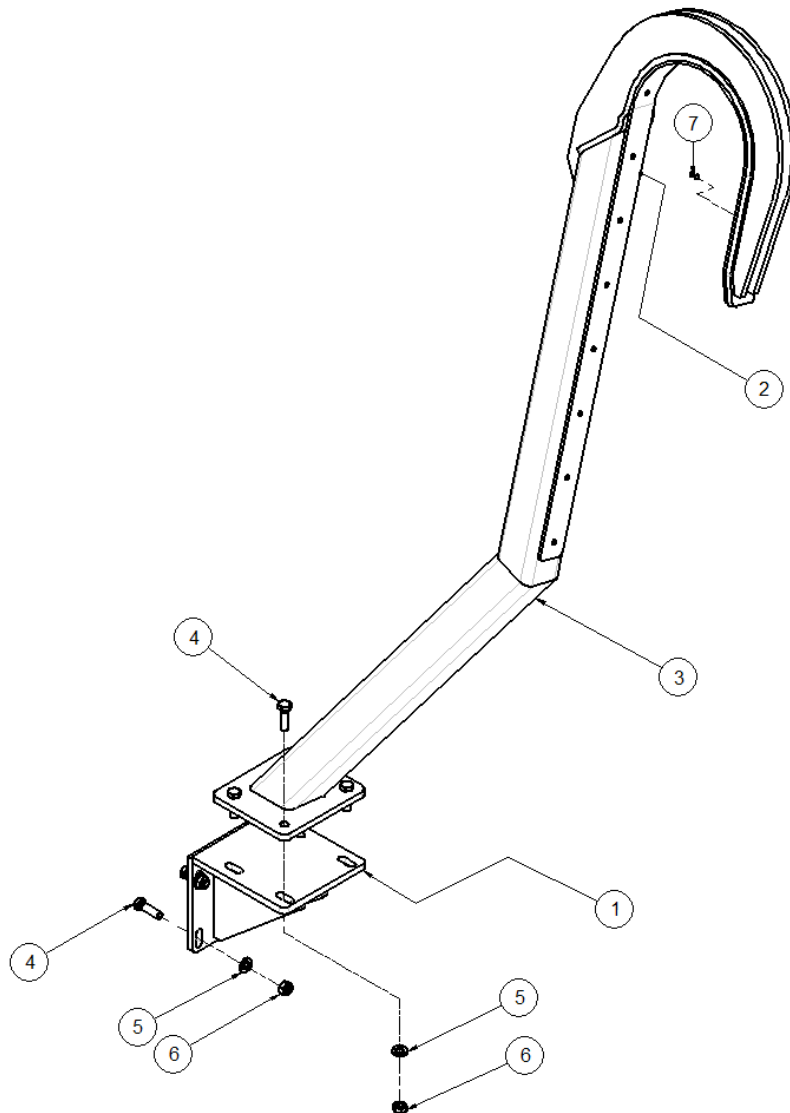


Item #	Qty	Part #	Description
All	1	32664	AUGER STOW LOCK ASSY (2021)
1	1	30428	AUGER LOCKING CYLINDER 1.5"x2"
		16196	AUGER LOCK CYL SEAL KIT
2	1	30476	AUGER ARM TEE CLEVIS
3	2	30491	AUGER STOW LOCK PIN
4	1	31219	INTERLOCK SWITCH ASSY
5	1	32665	AUGER ARMS STOW LOCK BASE ASSY
6	1	32668	AUGER 250DIA STOW LOCK CATCH
7	1	32670	AUGER INTERLOCK SWITCH BRACKET
8	2	09886	POLY FLANGE BEARING
9	3	09501	BOLT M10 x 50mm
10	2	09023	WASHER FLAT M16
11	3	09130	WASHER SPRING M10
12	3	09131	NUT M10
13	2	09939	SOCKET CAP SCREW M4 x 20mm
14	2	09940	WASHER FLAT M4
15	2	09941	NUT M4 Nylock
16	1	09881	NUT ¾ UNC
17	2	09459	NUT M16 Nylock

Please refer MS Series II Spare Parts Manual (Version 1.3) for early version (#30481).

5.6 Auger Stow Arm - Rear

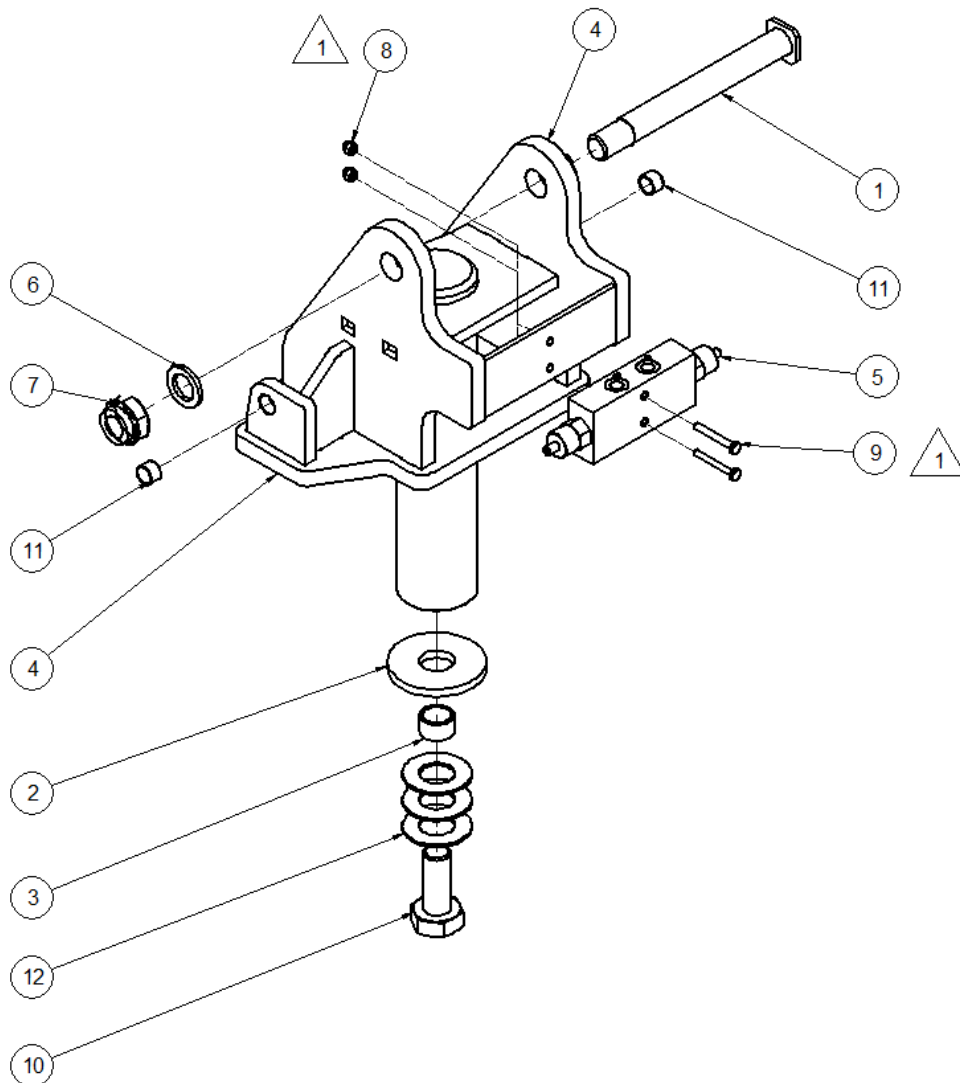
Current Version 2019 on



Item #	Qty	Part #	Description
All	1	32683	AUGER STOW ARM REAR Series II
1	1	32657	AUGER ARM SLIDE MOUNT
2	1	32677	AUGER SWIVEL LINER
3	1	32682	AUGER ARM REAR
4	8	09011	SCREW M12 x 40mm
5	8	09031	WASHER FLAT M12
6	8	09701	NUT M12
7	13	34116	RIVERT 3/16 SS

Please refer MS Series II Spare Parts Manual (Version 1.3) for early version (#30475).

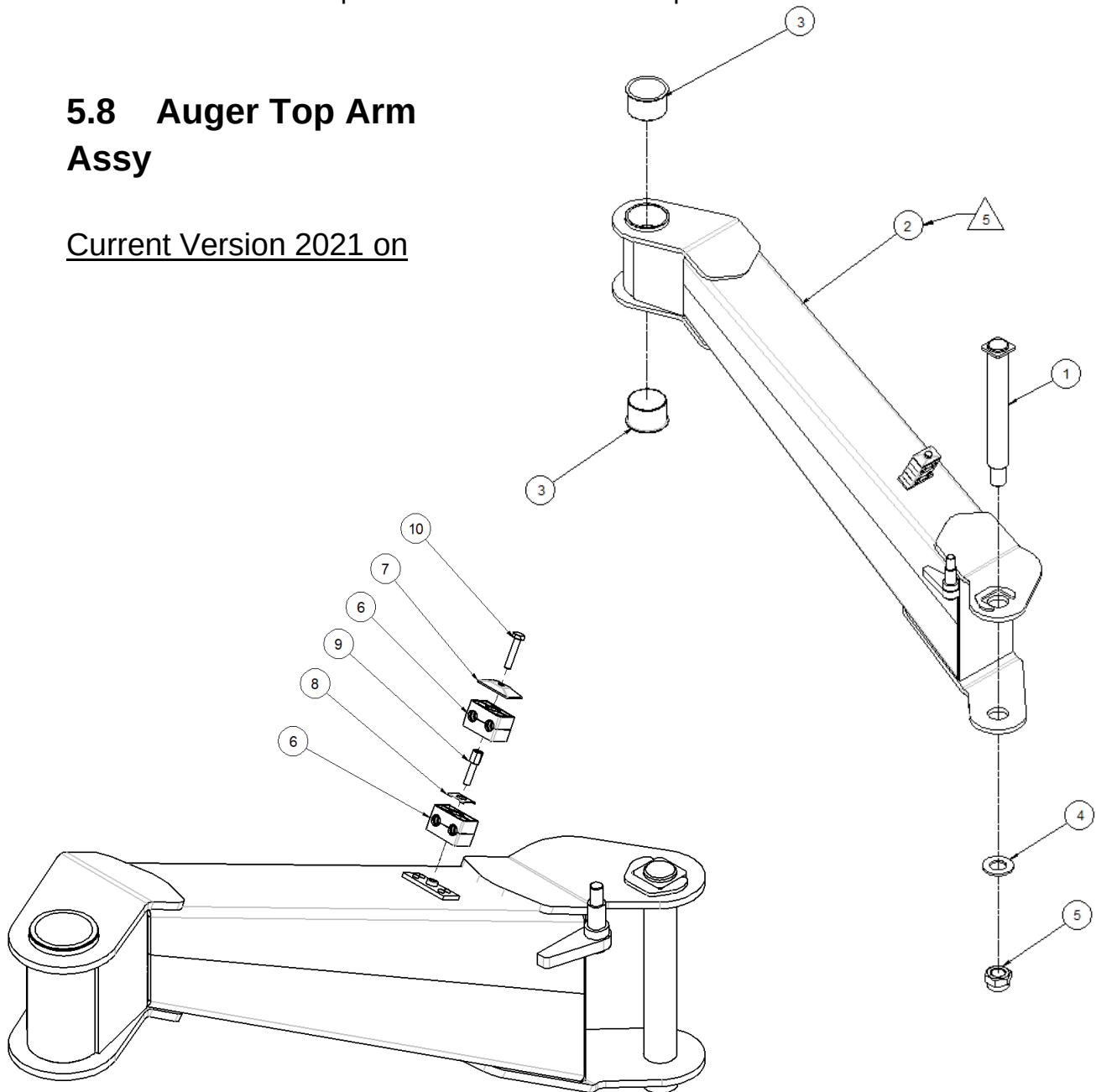
5.7 Auger Top Swivel Assy



Item	Qty	Part#	Description#
ALL	1	30265	AUGER TOP SWIVEL ASSY
1	1	30266	PIN ASSY M24 25 x 236mm
2	1	30274	AUGER CRADLE THRUST WASHER
3	1	30275	AUGER CRADLE THRUST SPACER
4	1	30462	AUGER TOP SWIVEL WELDMENT
5	1	30467	DOUBLE OVERCENTRE VALVE
6	1	09029	WASHER FLAT M24
7	1	09030	NUT M24 NYLOC
8	2	09064	HEX NUT M6 Nylock (was M8 Nyloc)
9	2	09607	BOLT HEX M6 x 45mm (was three M8 x 50mm)
10	1	09829	BOLT M24 x 60mm
11	2	09883	BUSH 18 x 16 x 12 MAINTENANCE FREE
12	3	09885	DISK SPRING 60 x 30.5 x 2.5mm

5.8 Auger Top Arm Assy

Current Version 2021 on



Item	Qty	Part#	Description#
ALL	1	30269	AUGER TOP ARM ASSY (2021)
1	1	30270	AUGER PIN ASSY 40 x 368mm
2	1	30437	AUGER TOP ASSY WELDMENT
3	2	09874	FLANGE BEARING 70 x75-50 POLYMER
4	1	09539	WASHER FLAT M30
5	1	09358	NUT M30 ZP NYLOC
6	2	09844	STAUFF CLAMP TWIN CLAMP BODY GROUP 2D
7	1	09845	STAUFF CLAMP TWIN COVER PLATE GROUP 2D
8	1	11576	SAFETY LOCKING PLATE
9	1	11567	STACKING BOLT STAUFF
10	1	09126	HEX BOLT M8 x 40mm

Please refer MS Series II Spare Parts Manual (Version 1.3) for early version with brakes.

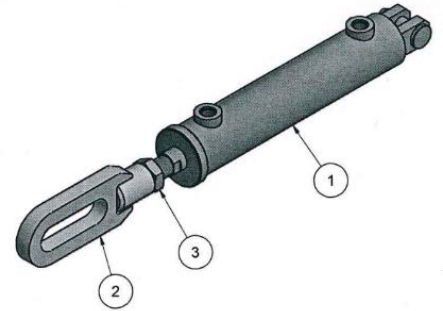
5.9 Auger Hydraulic Cylinder



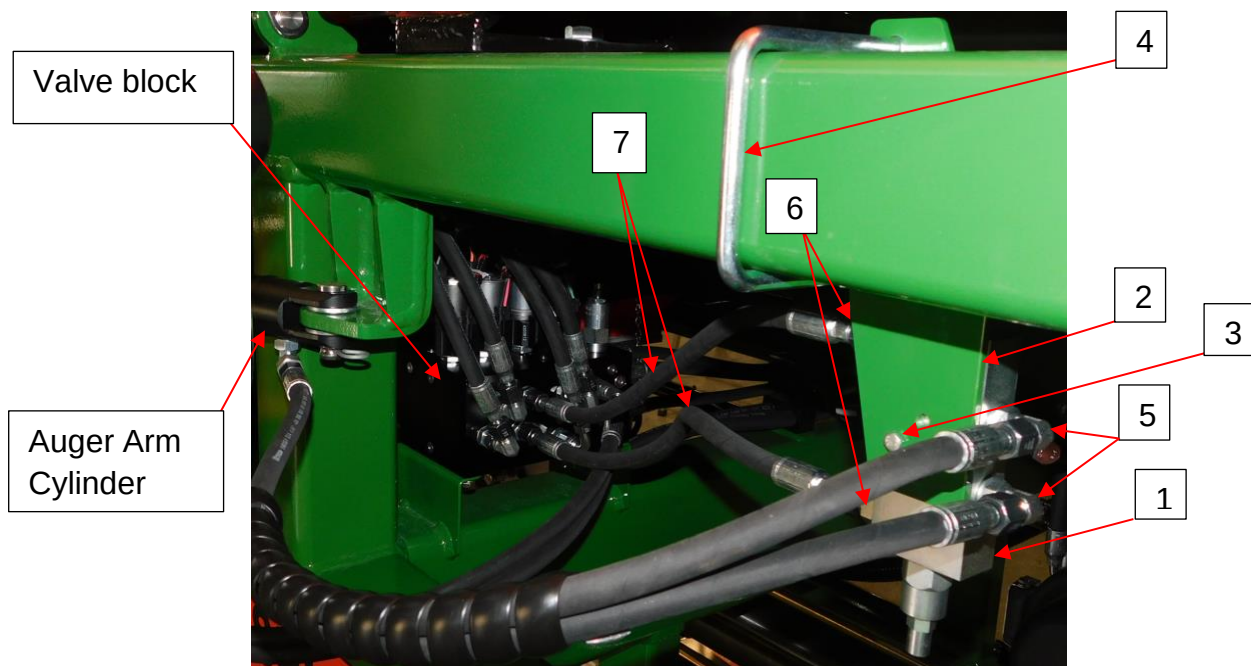
Auger Arm Hydraulic Cylinder (upper and lower) #32646

Auger Inclination Hydraulic Cylinder

Item	Qty	Part#	Description#
ALL	1	30432	AUGER INCLINATION CYL ASSY 1.5" x 2"
1	1	30418	AUGER INCLINATION CYLINDER 1.5" x 6"
2	1	30433	CYLINDER SPADE WELDMENT
3	1	09881	NUT JAM HEX 3/4 - 10 UNC



5.10 Auger Arms Cylinder Lock Valve Kit



Item	Qty	Part#	Description#
	1	34028	AUGER ARMS CYLINDER LOCK VALVE KIT
1	1	30467	DOUBLE OVER CENTRE VALVE
2	1	34029	VALVE BRACKET
3	2	09607	BOLT HEX M6 x 45mm
NS	2	09064	NUT NYLOC M6
4	1	05778	U-BOLT Set M12 x 101 x 130mm
NS	2	09031	WASHER FLAT M12
5	2	05872	ELBOW 1/4 BSPP - 9/16 JIC M-M
6	2	09715	NIPPLE 1/4 BSPPOM x 9/16 JICM
7	2	03092	HYD HOSE 1/4" 0.45m 9/16 JICF (for M22000) (Please note: Hyd hose varies with model)

5.11 Electronic Remotes 10" Auger

Current Version - Hydraulic Arms 2019 on

#32751 Auger Receiver V2

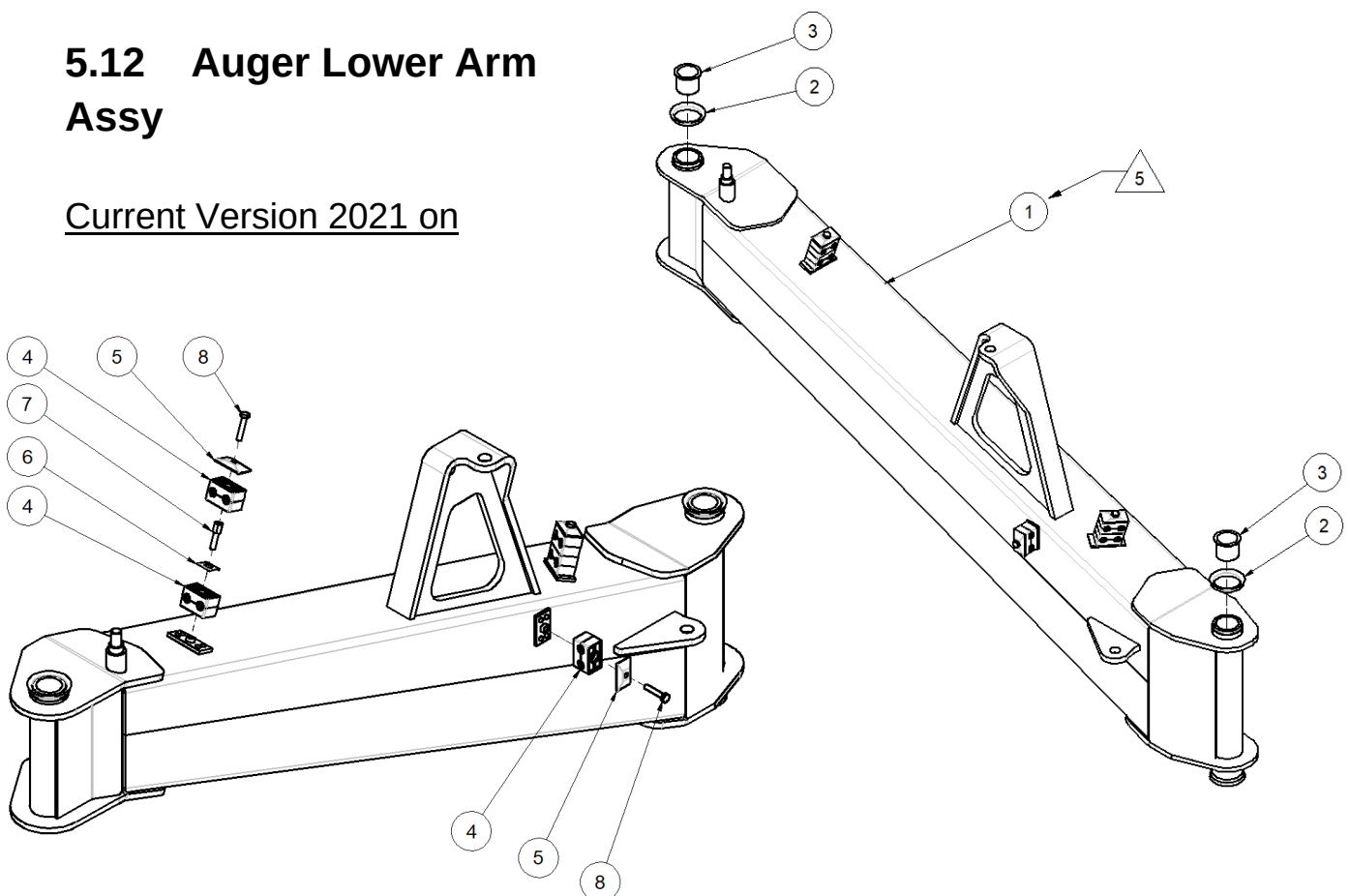
#32752 Transmitter Unit Electric Auger V2



Older Version with brakes - Please refer MS Series II Spare Parts Manual (Version 1.3) for early version with brakes.

5.12 Auger Lower Arm Assy

Current Version 2021 on

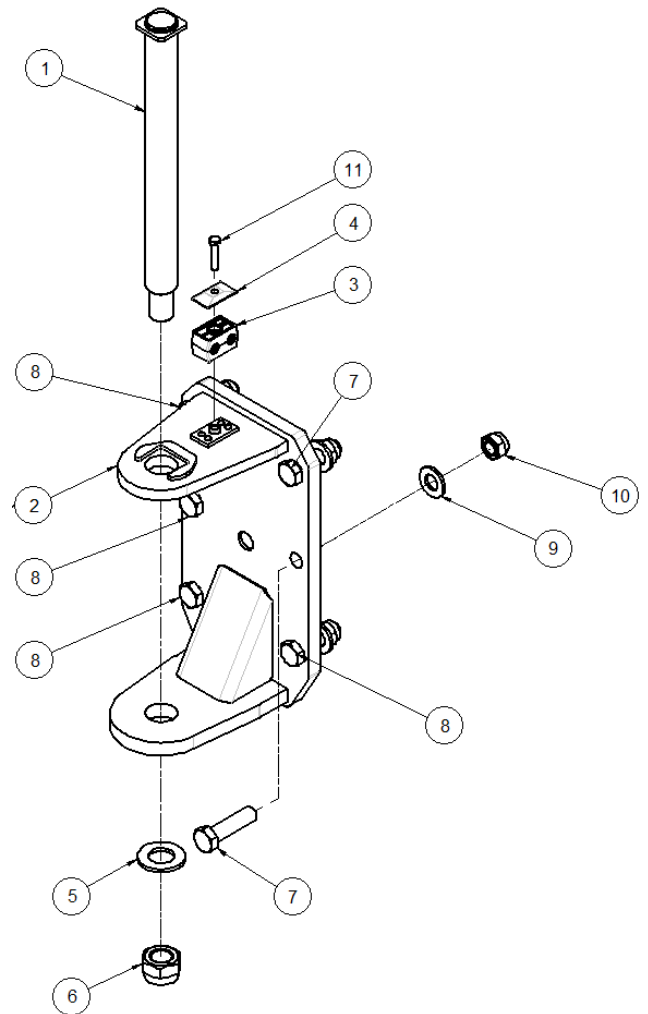


Item	Qty	Part#	Description#
ALL	1	30286	AUGER LOWER ARM ASSY (2021)
1	1	30460	AUGER LOWER ARM WELDMENT
2	4	32650	V-RING SEAL VS TYPE
3	4	32653	POLYMER FLANGE BEARING GLIDE
4	5	09844	STAUFF CLAMP BODY PAIR 2D 14/14PP
5	3	09845	STAUFF CLAMP TWIN COVER PLATE
6	2	11576	SAFETY LOCKING PLATE
7	2	11567	STACKING BOLT STAUFF
8	3	09126	HEX BOLT M8 x 40mm

Please refer MS Series II Spare Parts Manual (Version 1.3) for early version with brakes.

5.13 Auger Base Swivel Assy

Current Version 2021 on

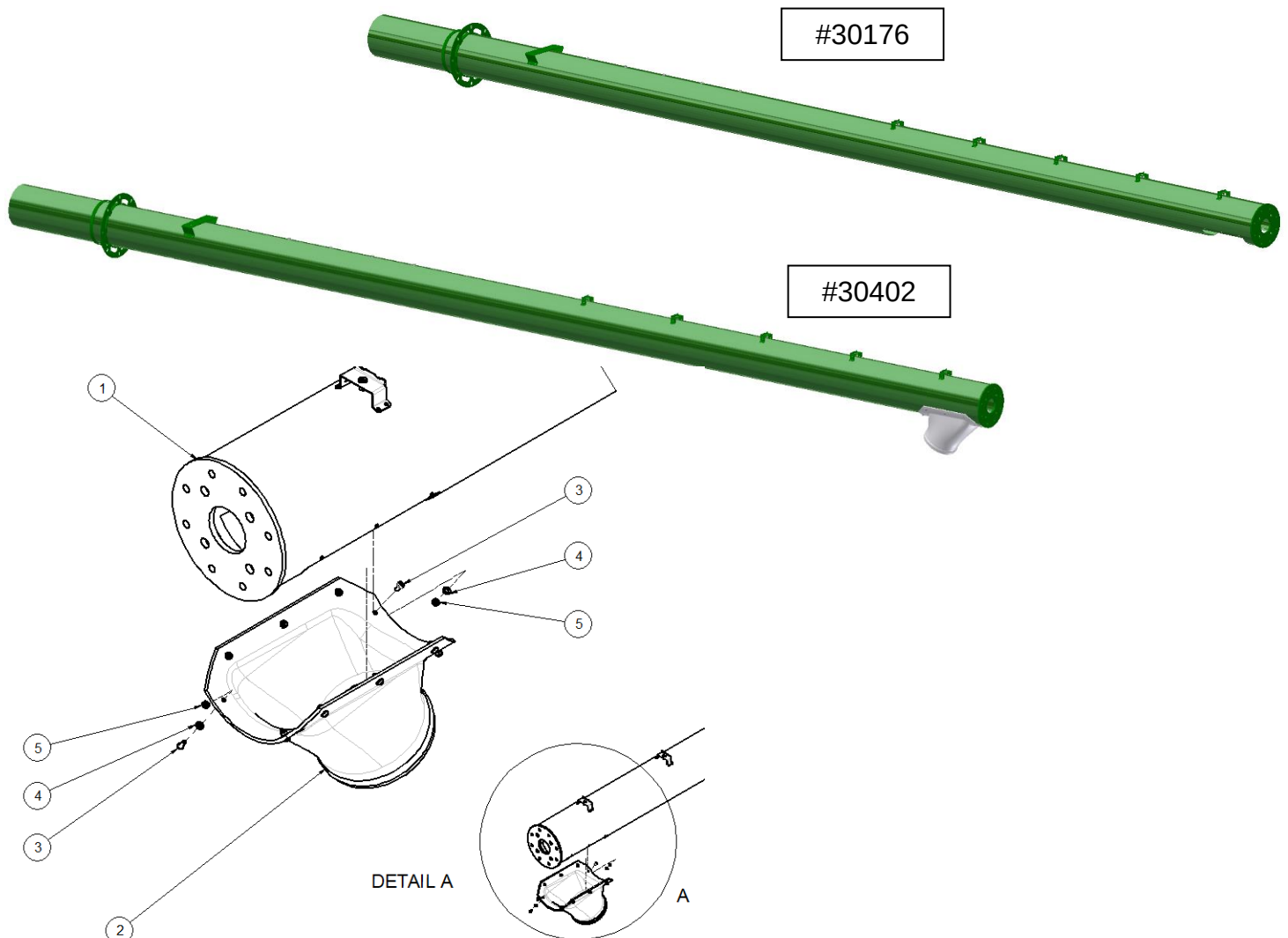


Item	Qty	Part#	Description#
ALL	1	30282	BASE SWIVEL ASSY
1	1	30285	AUGER PIN 40 x 455mm
2	1	30410	AUGER BASE SWIVEL WELDMENT
3	1	09844	STAUFF CLAMP TWIN CLAMP BODY
4	1	09845	STAUFF CLAMP TWIN COVER PLATE
5	1	09539	WASHER FLAT M30

6	1	09358	NUT M30 Nylock
7	2	02014	HEX BOLT M20 x 75mm
8	4	09731	HEX BOLT M20 x 70mm
9	6	09003	WASHER FLAT M20
10	6	09002	NUT M20 Conelock
11	1	09126	HEX BOLT M8 x 40mm

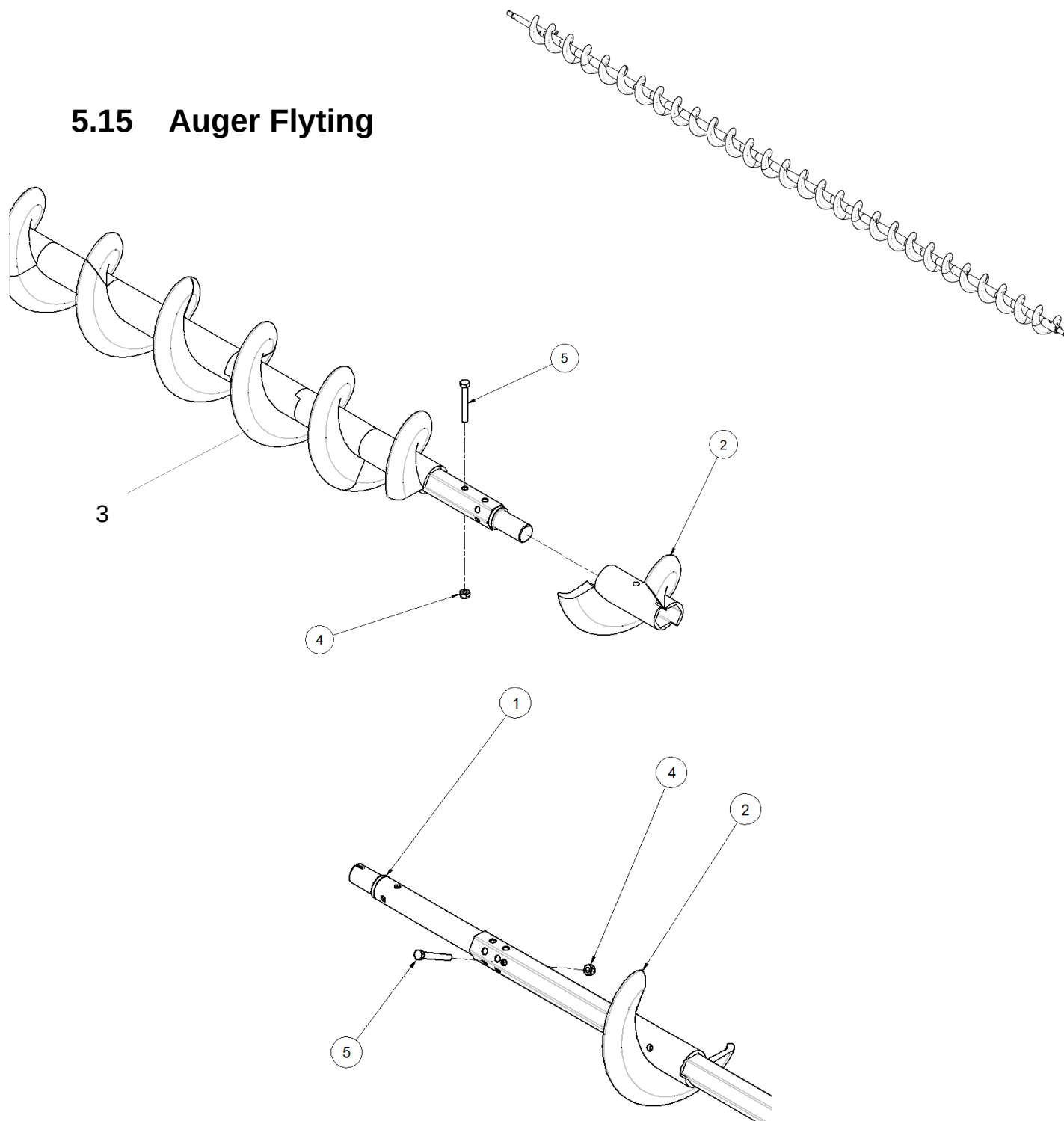
Please refer MS Series II Spare Parts Manual (Version 1.3) for early version with brakes.

5.14 Auger Barrel Assy



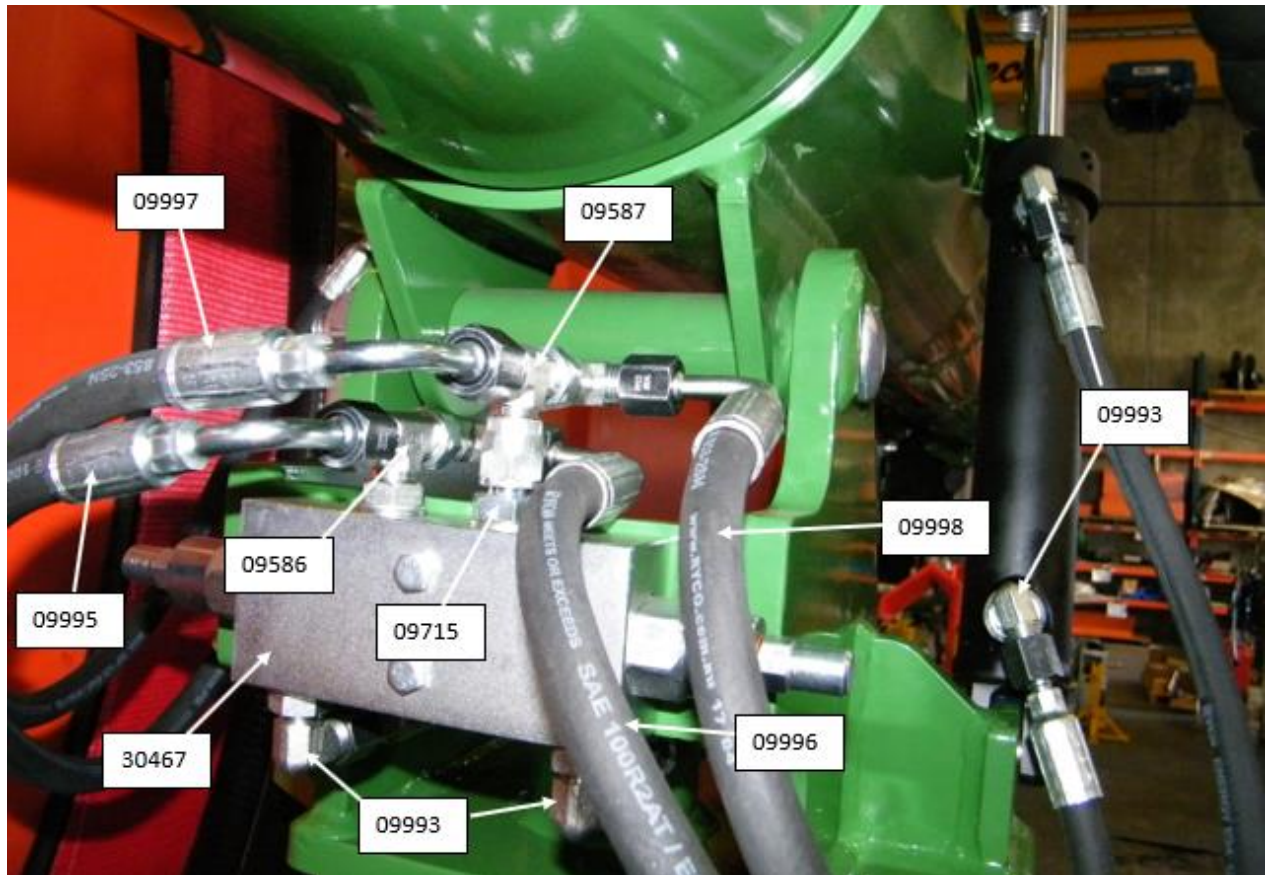
Item	Qty	Part#	Description#
ALL	1	30402	AUGER BARREL ASSEMBLY 250 x 6450mm
1	1	30176	BARREL WELDMENT 250 x 6450mm
2	1	30156	AUGER SPOUT TRIMMED SERIES
3	10	09877	SCREW M6 x16mm SS
4	10	09331	WASHER FLAT M6 SS
5	10	09194	NUT M6 Nyloc SS

5.15 Auger Flyting



Item	Qty	Part#	Description#
ALL	1	30141	POLY FLIGHTING ASSY
1	1	30142	AUGER DRIVE TUBE WELDMENT
2	2	15934	AUGER CUPPED FLIGHTING DRILLED On The Auger
3	33	15934	AUGER MODULE POLY 9" CUPPED
4	2	09053	NUT M12 SS Nyloc
5	2	09841	BOLT M12 x 90mm SS

5.16 10" Auger Hydraulic Hoses & Fittings



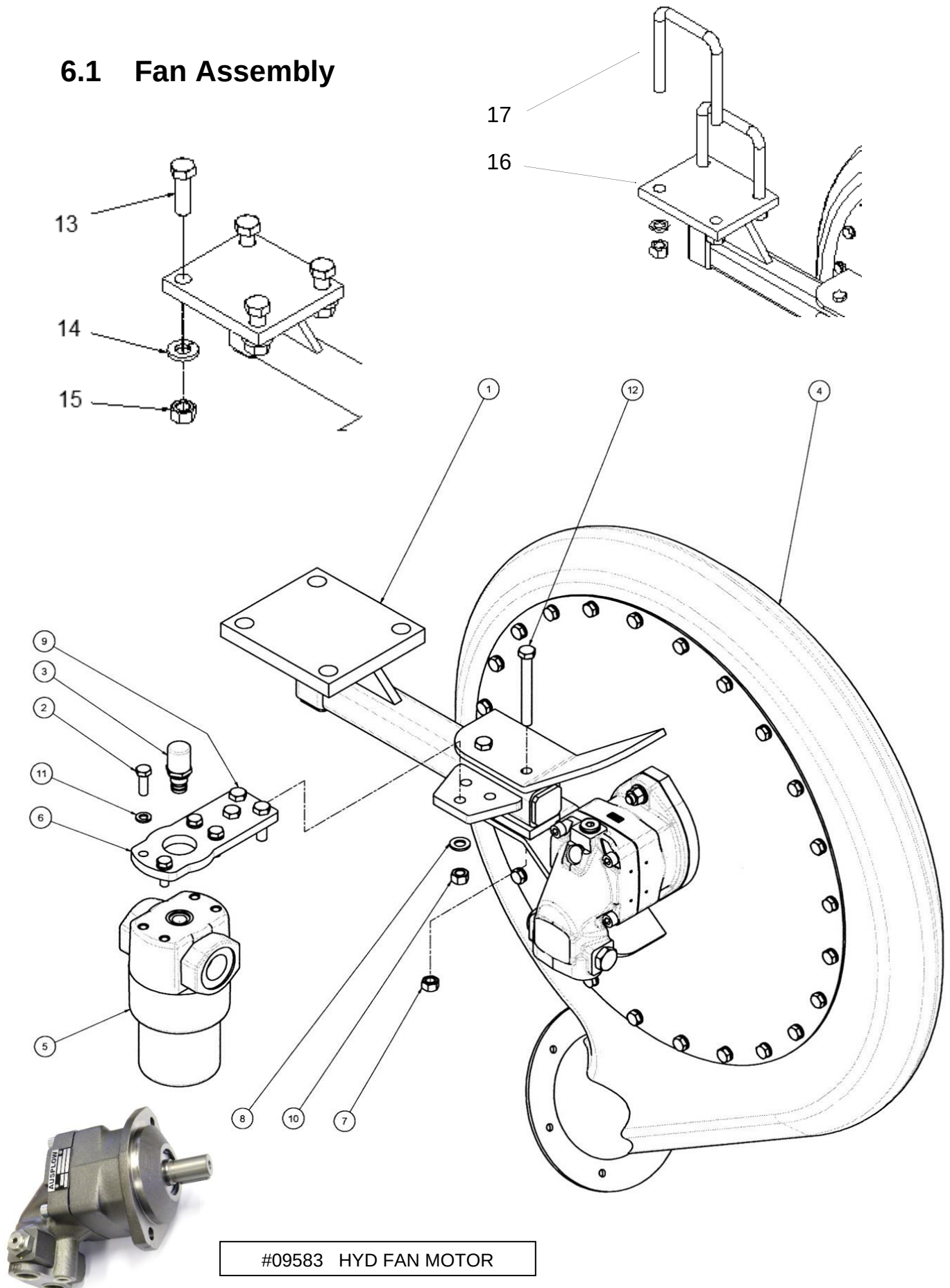
Part#	Description#
09993	ELBOW 90D 9/16 JICMx9/16 UNO
09995	HYD HOSE ¼"x 0.4m
09996	HYD HOSE ¼"x 0.5m
09997	HYD HOSE ¼"x 0.625m
09998	HYD HOSE ¼"x 0.6m
09586	HYD TEE 9/16 JICMxMx1/4 BSP
09587	HYD TEE 9/16 JICMxMx9/16 JICFS
09715	NIPPLE ¼ BSP POMx9/16 JICM
30467	DOUBLE OVERCENTERED VALVE

5.17 Auger Assembly – 8" (200mm) – Series I

See Multistream Series I Spare Parts Manual for 8" Auger parts.

6.0 Air System

6.1 Fan Assembly



#09583 HYD FAN MOTOR

Fan Assembly

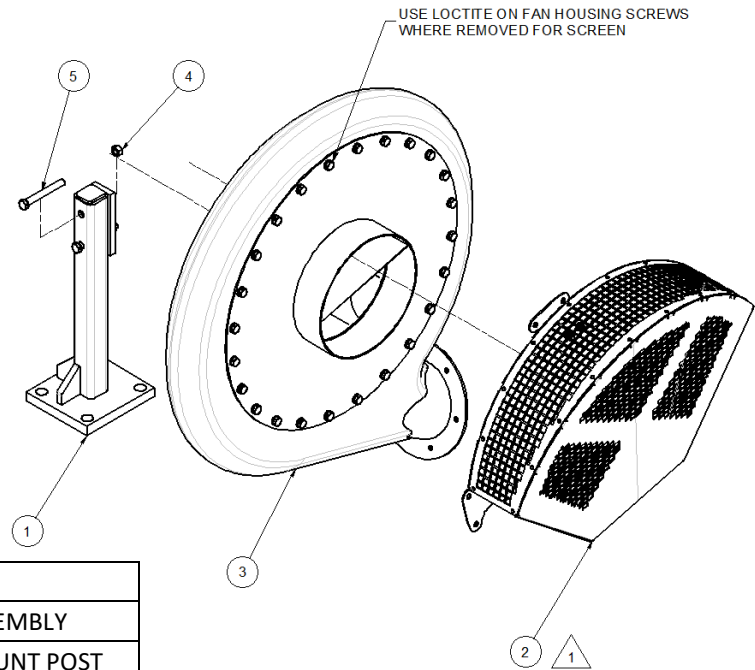
Item #	Qty	Part #	Description
1-12	1	14793	HYD FAN ASSEMBLY
1	1	14794	FAN MOUNTING
		28595	FRONT WALKWAY SUPPORT LEG (See Section 7)
2	4	03135	BOLT M10 x 30mm
3	1	04109	HYD FILTER SERVICE INDICATOR
4	1	07189	TURBO FAN & MOTOR ASSY 22 SERIES
	1	04049	FAN ASSY - NO MOTOR
	1	09583	HYDRAULIC FAN MOTOR
	1	07127	FAN HOUSING
	1	07128	FAN DRIVE PLATE
	1	07129	FAN INLET PLATE
5	1	07564	HYDRAULIC FILTER ASSY 160 SERIES - See Section 7
6	1	07568	HYDRAULIC FILTER MOUNT
7	2	09009	NUT M12
8	3	09010	WASHER SPRING M12
9	3	09011	BOLT M12 x 40mm
10	3	09054	NUT M12
11	4	09130	WASHER SPRING M10
12	2	09646	BOLT M12 x 100mm
13	4	09261	BOLT M20 x 65mm
14	NS	09042	WASHER SPRING M20
15	NS	09041	NUT M20
16	1	06612	FAN MOUNTING - OLDER U BOLT TYPE
17	2	03071	U BOLT SET M16 x 101 x 140mm
NS	1	04722	FAN MOTOR SHAFT SEAL - HIGH TEMP
NS	1	06820	FAN MOTOR SEAL KIT – contains 04722
NS	1	07126	FAN IMPELLER
NS	1	07620	FAN MOTOR SPACER RING
NS	1	07619	FAN IMPELLOR TAPER LOCK BUSH 25mm
NS	1	07618	FAN SENSOR BOLT 3/8" x 1/2" DRILLED
NS	1	33626	HEX SCREW 3/8" x 1/2" UNC (For sensor 29510)

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 the 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.

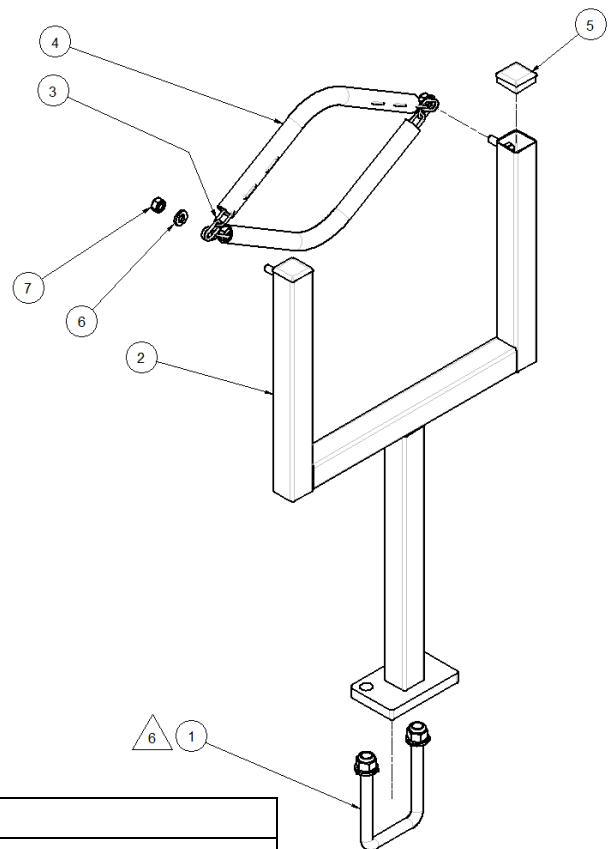
DO NOT disassemble the fan motor under any circumstances. Draw Bar mounted bins use a different fan mounting bracket.

6.2 Fan Screen – Dual Fan



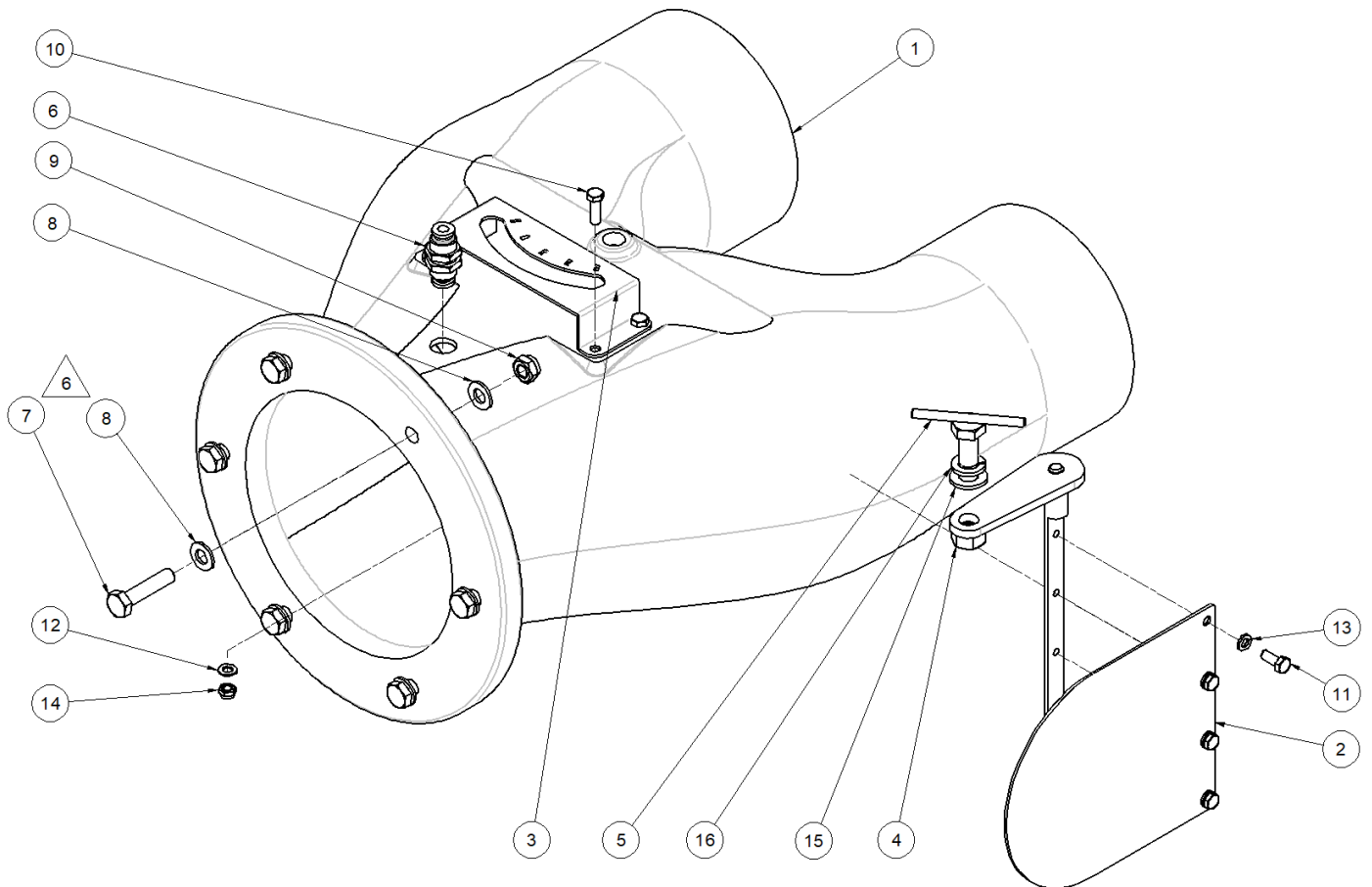
Item #	Qty	Part #	Description
All	1	25037	AUX FAN ASSEMBLY
1	1	25032	AUX FAN MOUNT POST
2	1	27590	FAN SCREEN KIT
3	1	15116	FAN ASSY
4	2	09009	NUT M12 Conelock
5	2	09646	SCREW M12x100mm

6.3 Air Hose Support - TBH Drawbar/Dolly



Item #	Qty	Part #	Description
All	1	07182	HOSE SUPPORT ASSY TBH BIN
1	1	31642	U BOLT SET M20 x 102 x 190mm Gal
2	1	06543	HOSE SUPPORT TBH 4 HYD HOSES
3	2	07277	CHAIN 1/4"
4	2	07278	TUBE PLASTIC CLEAR 1"
5	2	09206	END CAP 50 x 50mm
6	2	09031	WASHER FLAT M12
7	2	09054	NUT M12

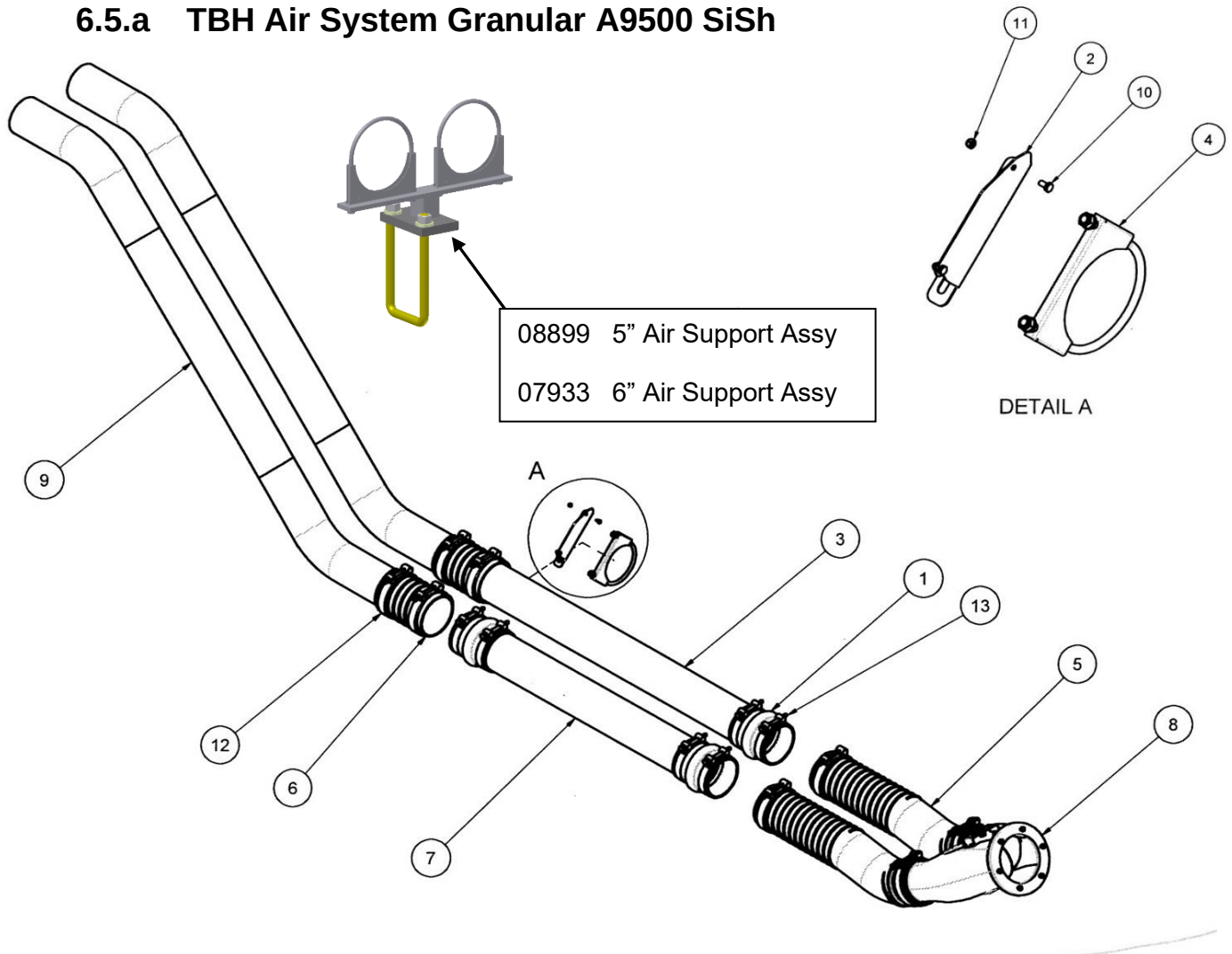
6.4 Air Divider Assembly



Item #	Qty	Part #	Description
All	1	07539	AIR DIVIDER 5" ASSEMBLY
		12720	AIR DIVIDER 6" ASSEMBLY
1	1	07591	AIR DIVIDER MOULDING 5"
2	1	07632	FLAP AIR DIVIDER
3	1	07634	FLAP LOCK AIR DIVIDER MOULDED
4	1	07702	SHAFT HANDLE ASSY AIR DIVIDER MOULDED
5	1	07704	LOCKING SCREW ASSY AIR DIVIDER MOULDED
6	1	09364	BULKHEAD FITTING 6mm
7	6	09960	SETSCREW M8 x 35mm SS
8	12	09106	WASHER M8 SS (two per bolt)
9	6	09277	NUT M8 SS Nylock
10	4	09258	SETSCREW M5 x 16mm SS
11	4	09309	BOLT M5 x 12mm SS
12	4	09310	WASHER FLAT M5 SS
13	4	09236	WASHER SPRING M5 SS
14	4	09096	NUT M5 SS
15	1	09097	WASHER FLAT M10 SS
16	1	09098	WASHER SPRING M10 SS

6.5 TBH Air Delivery Systems

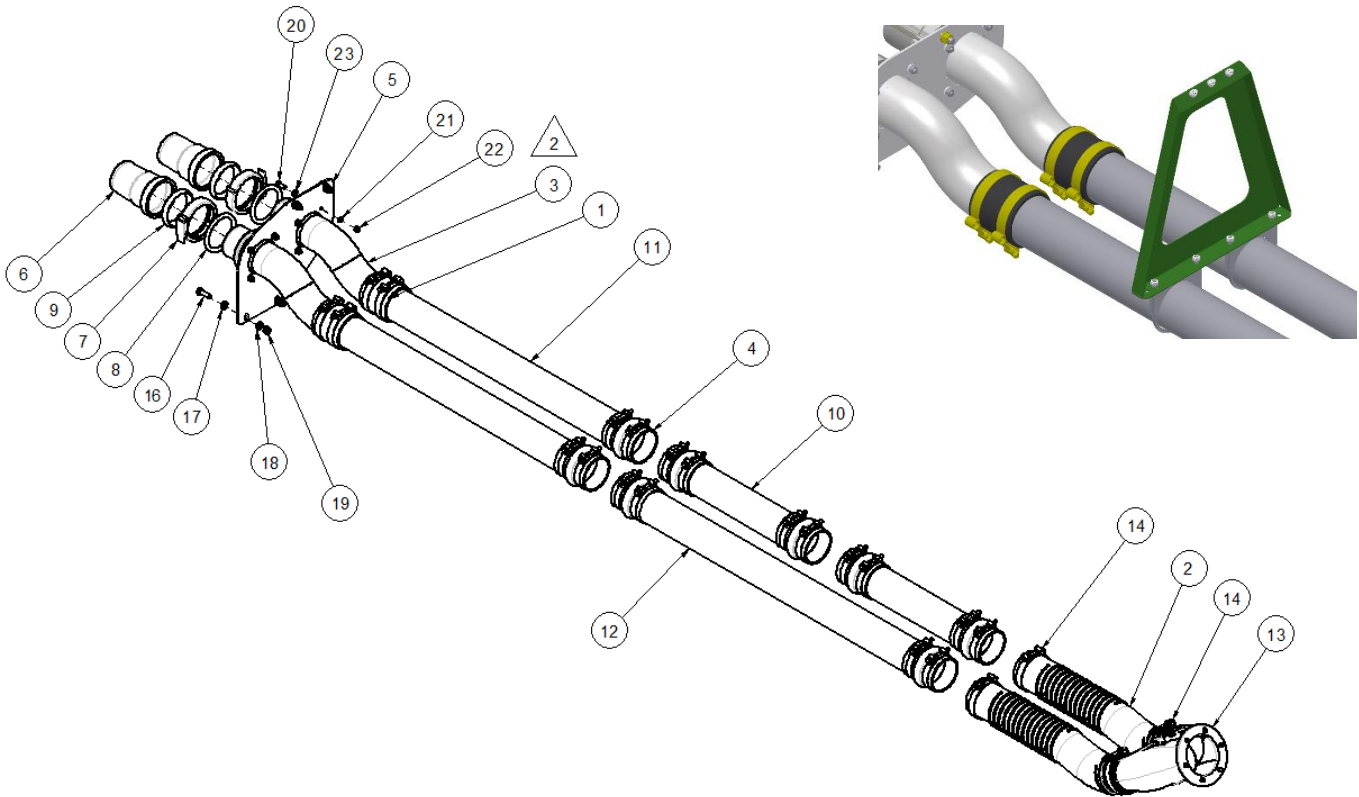
6.5.a TBH Air System Granular A9500 SiSh



Item #	Qty	Part #	Description
1	3	27288	SINGLE HUMP COUPLER
2	1	15126	SINGLE SHHOT
3	1	15183	AIR TUBE 5" was 1270mm LG
4	1	05444	EXHAUST CLAMP 5 1/8"
5	2	06614	DELIVERY HOSE PVC 5" 750mm LG
6	2	12565	DELIVERY HOSE 5" 250mm LG
7	1	07372	AIR TUBE SS316 5" 970mm LG
8	1	07539	AIR DIVIDER 5" ASSEMBLY
9	2	07713	AIR DELIVERY PIPE FRONT 5"
10	2	09144	SCREW HEX M6 x 12mm
11	2	09194	NUT Nylock M6
12	8	09223	HOSE CLAMP 140-150mm
13	6	09744	HOSE CLAMP T BOLT 133-139mm SS

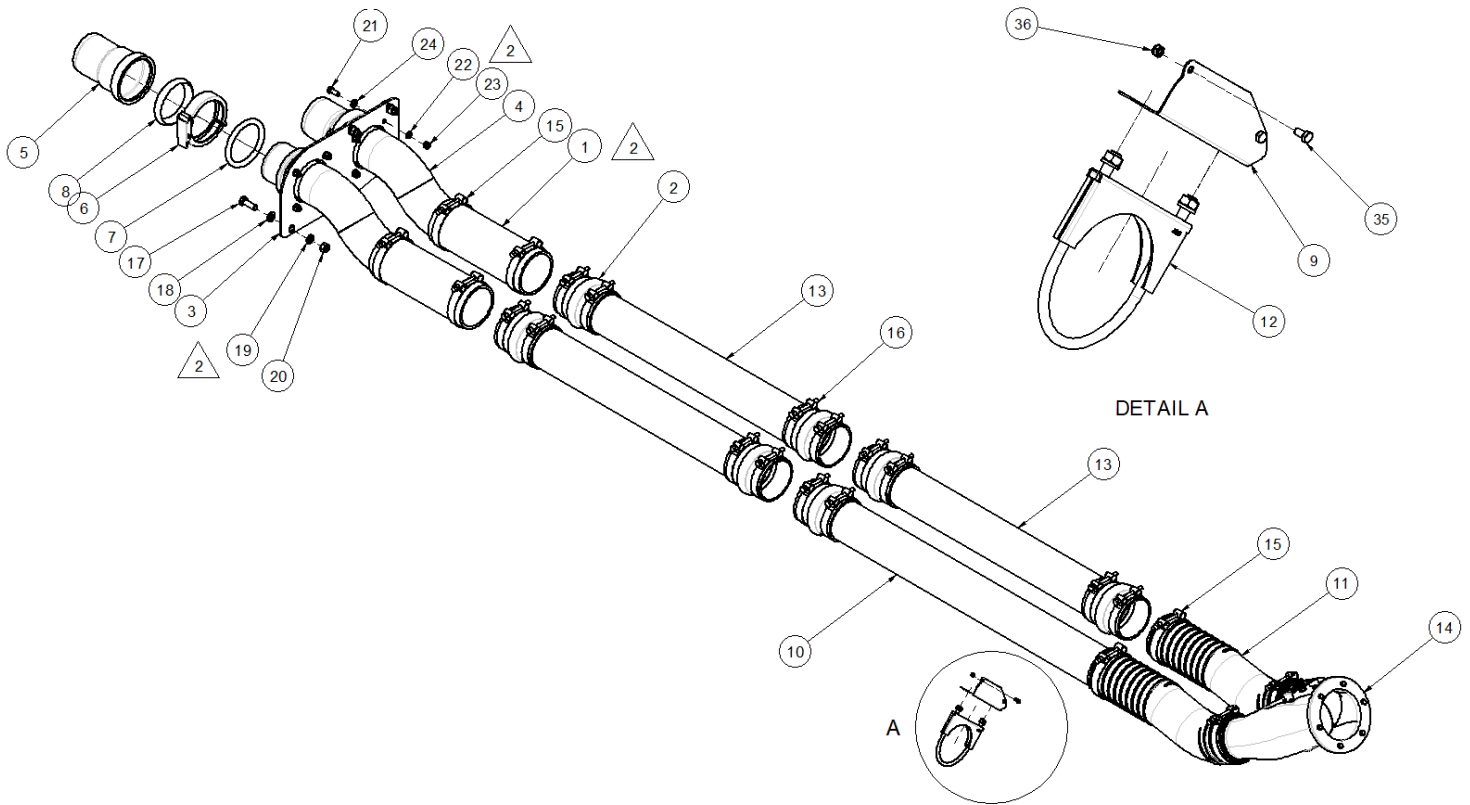
6.6 TBT Air Delivery Systems

6.6.a 5" TBT Granular Single Shoot 3G 1L – Small Seed Tank



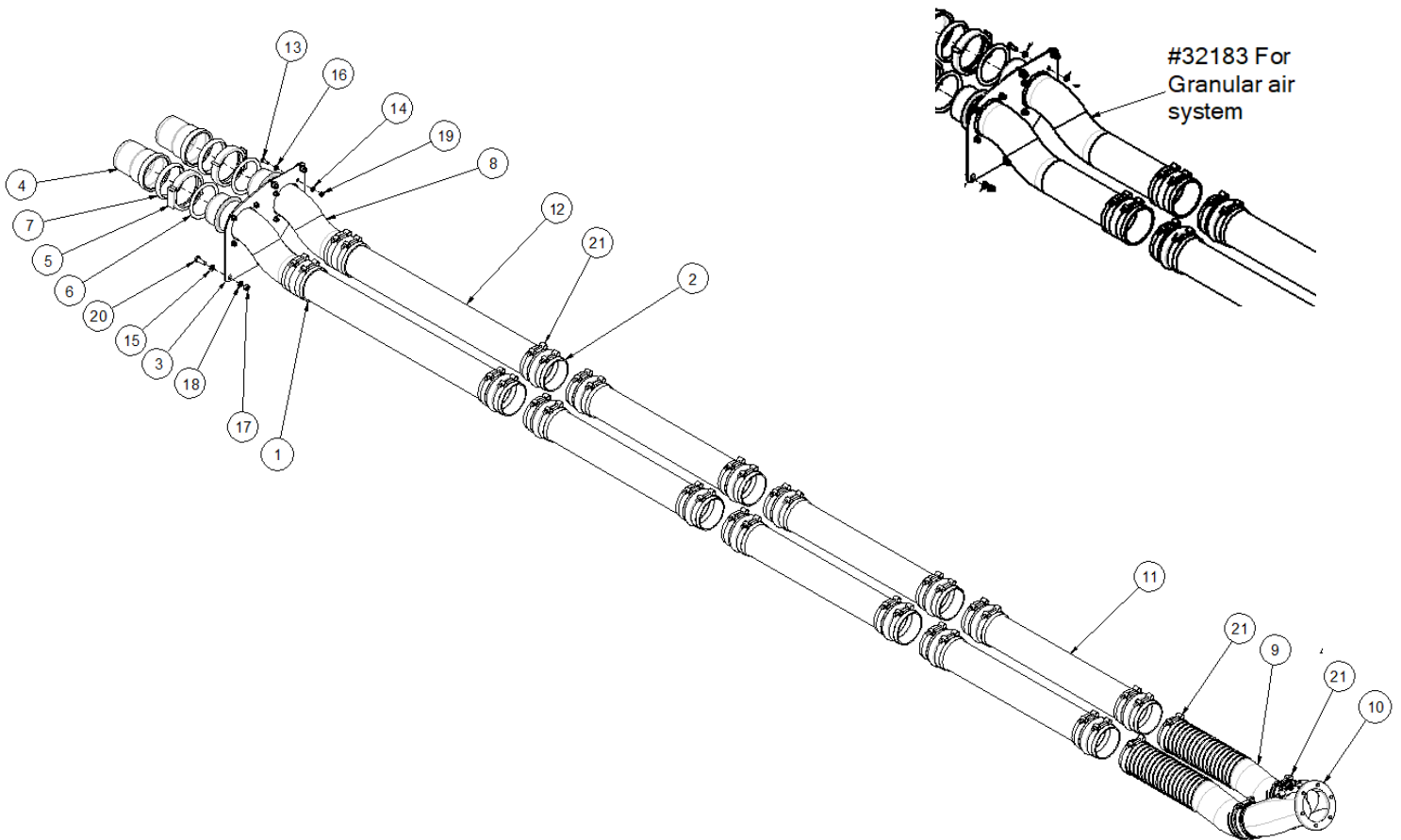
Item #	Qty	Part #	Description
1	2	31806	DELIVERY HOSE RUBBER 5" 135mm LG
2	2	31807	DELIVERY HOSE PVC 5" 865mm LG
3	2	27423	AIR TUBE 5" OUTLET 525x112mm
4	8	27288	SINGLE HUMP COUPLER 5"
5	1	27643	REAR AIR 5" SUPPORT PLATE
6	2	27971	5" FEMALE TRAVIS COUPLER
7	2	27972	5" TRAVIS RING LOCK CLAMP
8	2	28168	O RING 5"
9	2	28169	SEAL 5"
10	2	14945	5" AIR TUBE SS 574mm LG
11	2	15183	5" AIR TUBE SS 1270mm LG
12	1	07374	5" AIR TUBE SS 1470mm LG
13	1	07539	AIR DIVIDER ASSEMBLY 5"
14	8	09223	HOSE CLAMP 140-150mm
15	16	09744	HOSE CLAMP T BOLT 133-139mm SS
16	4	09964	BOLT M16 x 45mm
17	4	09397	WASHER FLAT M16
18	4	32733	WASHER SPRING M16
19	4	09398	NUT M16
20	8	09869	BOLT M12 x 30mm
21	8	09117	WASHER SPRING M12
22	8	09107	NUT M12
23	8	09108	WASHER FLAT M12

6.6.b 5" TBT Air System 3G1L SiSh



Item #	Qty	Part #	Description
1	2	31956	DELIVERY HOSE RUBBER 5" 375 LONG
2	7	27288	SINGLE HUMP COUPLER 5"
3	1	27421	REAR AIR SUPPORT PLATE
4	2	27423	AIR TUBE OUTLET 5" 525 x 112mm
5	2	27971	5" FEMALE TRAVIS COUPLER
6	2	27972	5" TRAVIS RING LOCK CLAMP
7	2	28168	O RING 5"
8	2	28169	SEAL 5"
9	1	15126	SINGLE SHOOT PIPE BRACKET
10	1	15183	AIR TUBE SS 5" 1270mm LG
11	2	15186	DELIVERY HOSE PVC 5" 655mm LG
12	1	05444	EXHAUST CLAMP 5 1/8"
13	3	07372	AIR TUBE SS316 5" 970mm LG
14	1	07539	AIR DIVIDER ASSEMBLY 5"
15	8	09223	HOSE CLAMP 140-150mm
16	14	09744	HOSE CLAMP T BOLT 133-139mm SS
17	4	09964	BOLT M16 x 45mm
18	4	09397	WASHER FLAT M16
19	4	32733	WASHER SPRING M16
20	4	09398	NUT M16
21	8	09869	BOLT M12 x 30mm
22	8	09117	WASHER SPRING M12
23	8	09107	NUT M12
24	8	09108	WASHER FLAT M12
35	2	09144	SCREW M6 x 12mm
36	2	09194	Nut M6 Nylock

6.6.c 6" TBT Air System 4G 1L – V2



Item #	Qty	Part #	Description
1	2	31808	HOSE RUBBER 6" 135mm LG
2	14	27289	SINGLE HUMP COUPLER 6"
3	1	27652	REAR AIR 6" SUPPORT PLATE
4	2	27974	6" FEMALE TRAVIS COUPLER
5	2	27975	6" TRAVIS RING LOCK CLAMP
6	2	28173	O RING 6"
7	2	28174	SEAL 6"
8	2	27710	6" OUTLET TUBE ASSY 525 x 112mm
9	2	29007	DELIVERY HOSE PVC 6" 865mm LG
10	1	12720	AIR DIVIDER ASSY 6"
11	6	13140	AIR TUBE 6" 970mm LG
12	2	14207	AIR TUBE 6" 1270mm LG
13	8	09869	BOLT M12 x 30mm
14	8	09117	WASHER SPRING M12
15	4	09397	WASHER FLAT M16
16	8	09108	WASHER FLAT M12
17	4	09398	NUT M16
18	4	32733	WASHER SPRING M16
19	8	09107	NUT M12
20	4	09964	BOLT M16 x 45mm
21	36	09512	HOSE CLAMP 162-174mmT BOLT SS

6.6.d TBT 5" & 6" Air Outlet Tubes - Changes

Air outlet delivery tubes that had extended outlets are now replaced by shorter length air outlets. To replace older extended air outlet tubes, shorter outlet tubes are used with a piece of delivery hose joined using hose clamps as listed below:

#27423 x 1	Outlet Tube 5" 525x112m Offset
#09223 x 2	Hose Clamp T-Bolt 140-148 S/S
#12565 x 1	Delivery Hose 5" x 250mm Rubber
#27710 x 1	Outlet Tube 6" 525x112mm
#09512 x 2	Hose Clamp T-Bolt 162-174 S/S
#13136 x 1	Delivery Hose 6" x 250mm Rubber



Delivery tube #14945 (5") or #14200 (6") can be purchased and cut to size as a joining piece.

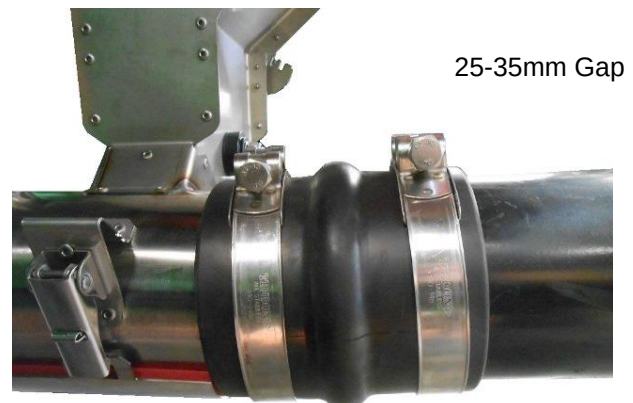
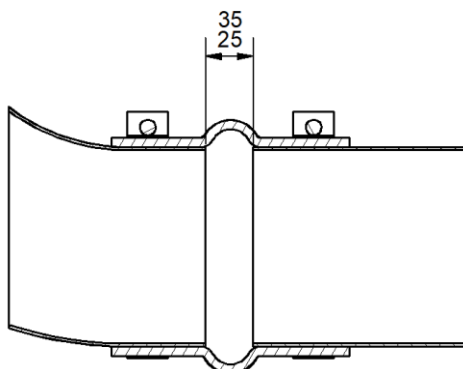
6.7 Air Delivery System Components

6.7.a Air Tube Hump Coupler

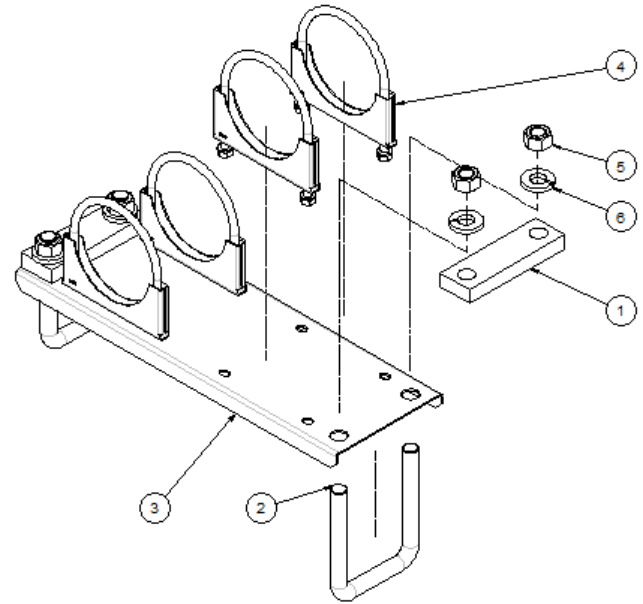
2015 Hump couplers were used in Multistream air delivery hose kits:

# 27288	Single Hump Coupler 127mm EDPM
# 09744	Hose Clamp T-Bolt 131-139mm SS
# 27289	Single Hump Coupler 152mm EDPM
# 09512	Hose Clamp - T-Bolt -162-174mm SS

Ausplow recommends trimming the steel air delivery pipe to create a 20mm gap between air pipes to provide proper fitment of the coupler.

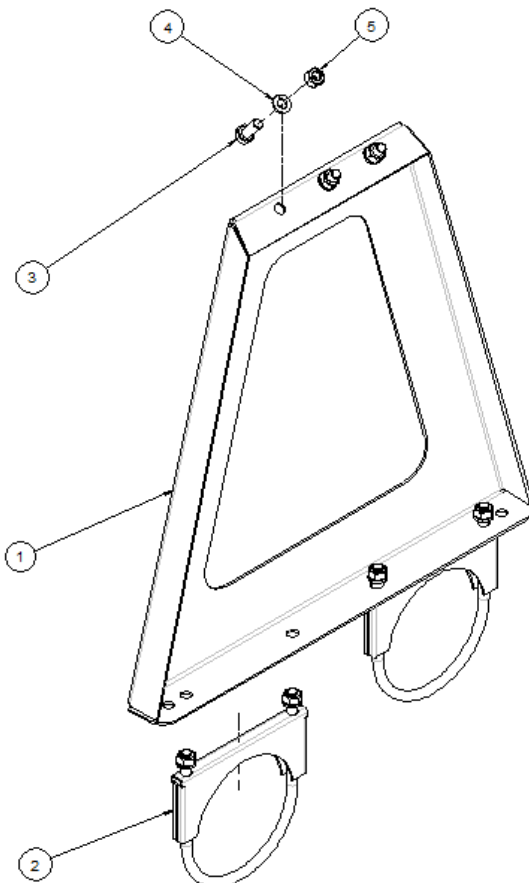


6.7.b Air Tube Bracket Assembly



Item #	Qty	Part #	Description
All	1	14942	AIR TUBE DELIVERY BRACKET ASSY 5"
1	2	26909	PLATE MOUNTING
2,5,6	2	05438	U BOLT SET M20 x 102 x 150mm Gal
3	1	14941	AIR TUBE DELIVERY BRACKET 5 1/8"
4	4	05444	EXHAUST CLAMP 5"

6.7.c 5" & 6" Air Tube Supports Rear Liquid Tank



Item #	Qty	Part #	Description
All	1	26924	5" AIR TUBE SUPPORT REAR LIQ TANK ASSY
	1	27303	6" AIR TUBE SUPPORT REAR LIQ TANK ASSY
1	1	26923	5" AIR TUBE SUPPORT REAR LIQ TANK
2	2	05444	EXHAUST CLAMP 5 1/8"
	2	05445	EXHAUST CLAMP 6 1/8"
3	3	09430	BOLT M10 x 25mm
4	3	09130	WASHER SPRING M10
5	3	09131	NUT M10

7.0 Hydraulic System

Refer to the Ausplow 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.



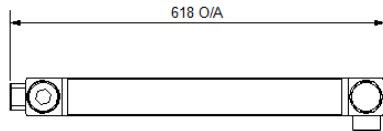
CAUTION!

Hydraulic Over Pressure or Air Burst Failures of Heat Exchanger Cores are not warranted by 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.

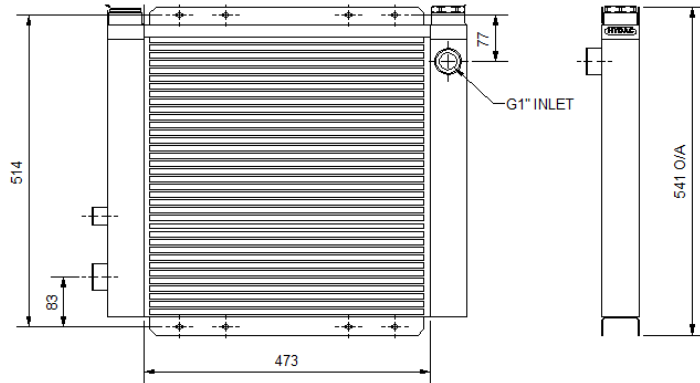
7.1 Heat Exchanger

7.1.a Heat Exchanger Assembly

Item #	Qty	Part #	Description
All	1	29061	TURBO FAN & HEAT EXCHANGER ASSY
		30133	TURBO FAN & HEAT EXCH ASSY-DUAL FAN
1	1	34118	BEND PIPE M/F DRILLED – replaces 29059
2	1	28587	HIGH MOUNT HEAT EXCHANGER ASSY
3	1	28595	HEAT EXCH FAN MOUNT – SINGLE FAN
		30134	HEAT EXCH FAN MOUNT – DUAL FAN
4	1	29060	INLET DUCTING 250mm DIA 1.1mL
5	1	07189	FAN & MOTOR ASSY
6	2	09280	HOSE CLAMP 222-273mm SS
7	4	09819	SELF TAPING SCREW 8G x ¾"
8	8	09261	BOLT M20 x 65mm
9	8	09042	WASHER SPRING M20
10	8	09041	NUT M20
11	2	09646	SCREW HEX M12 x 100mm
12	2	09009	NUT M12 Conelock

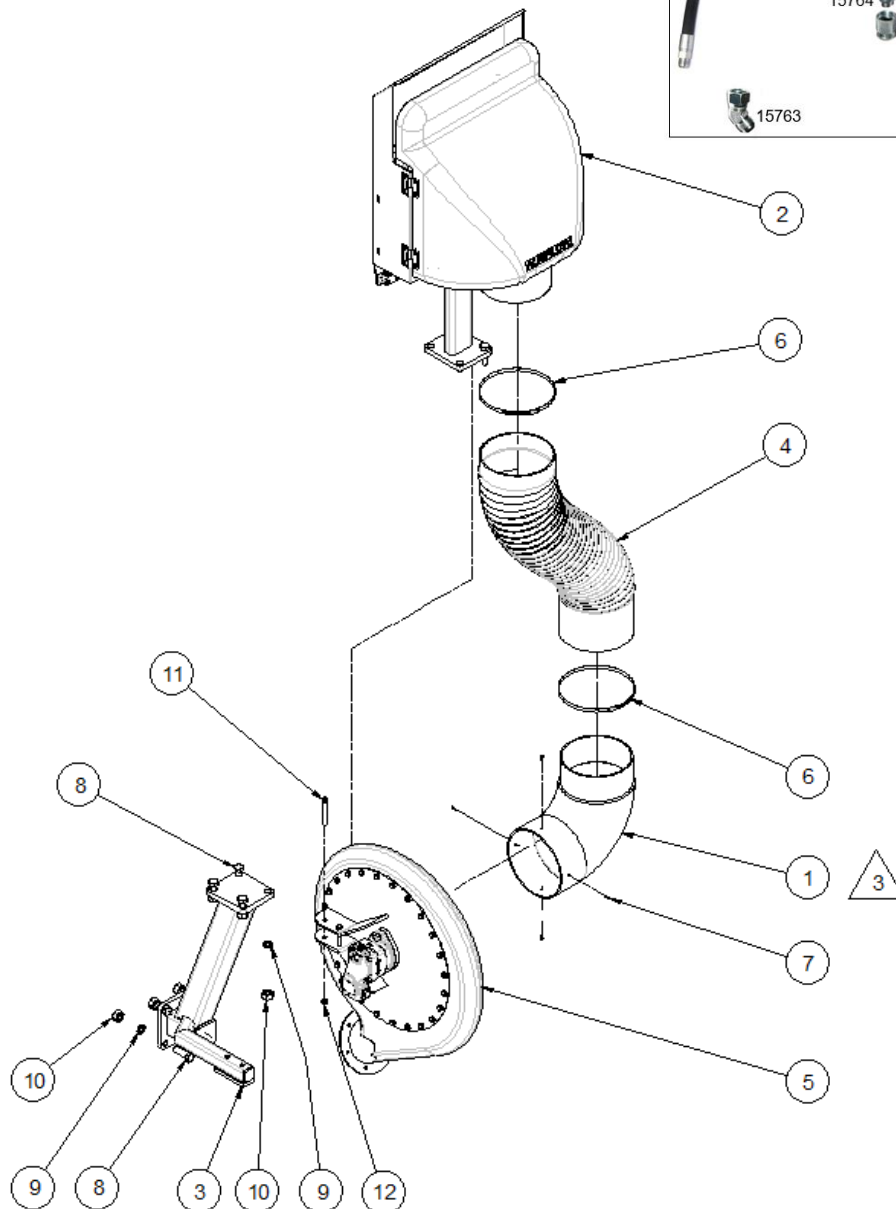
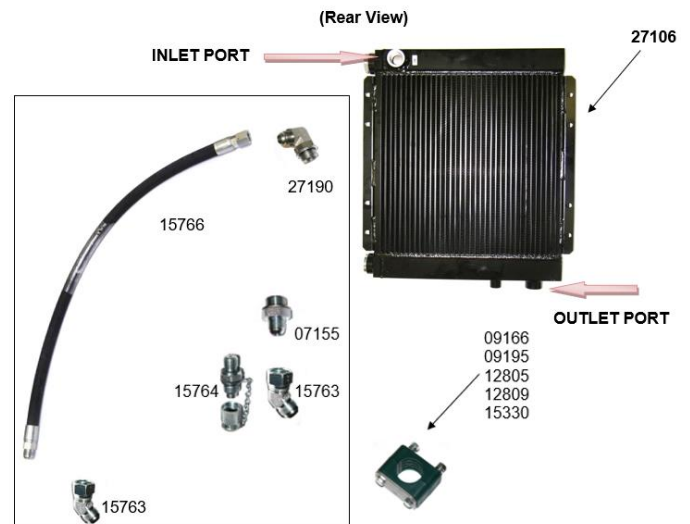


27106 Heat Exchanger

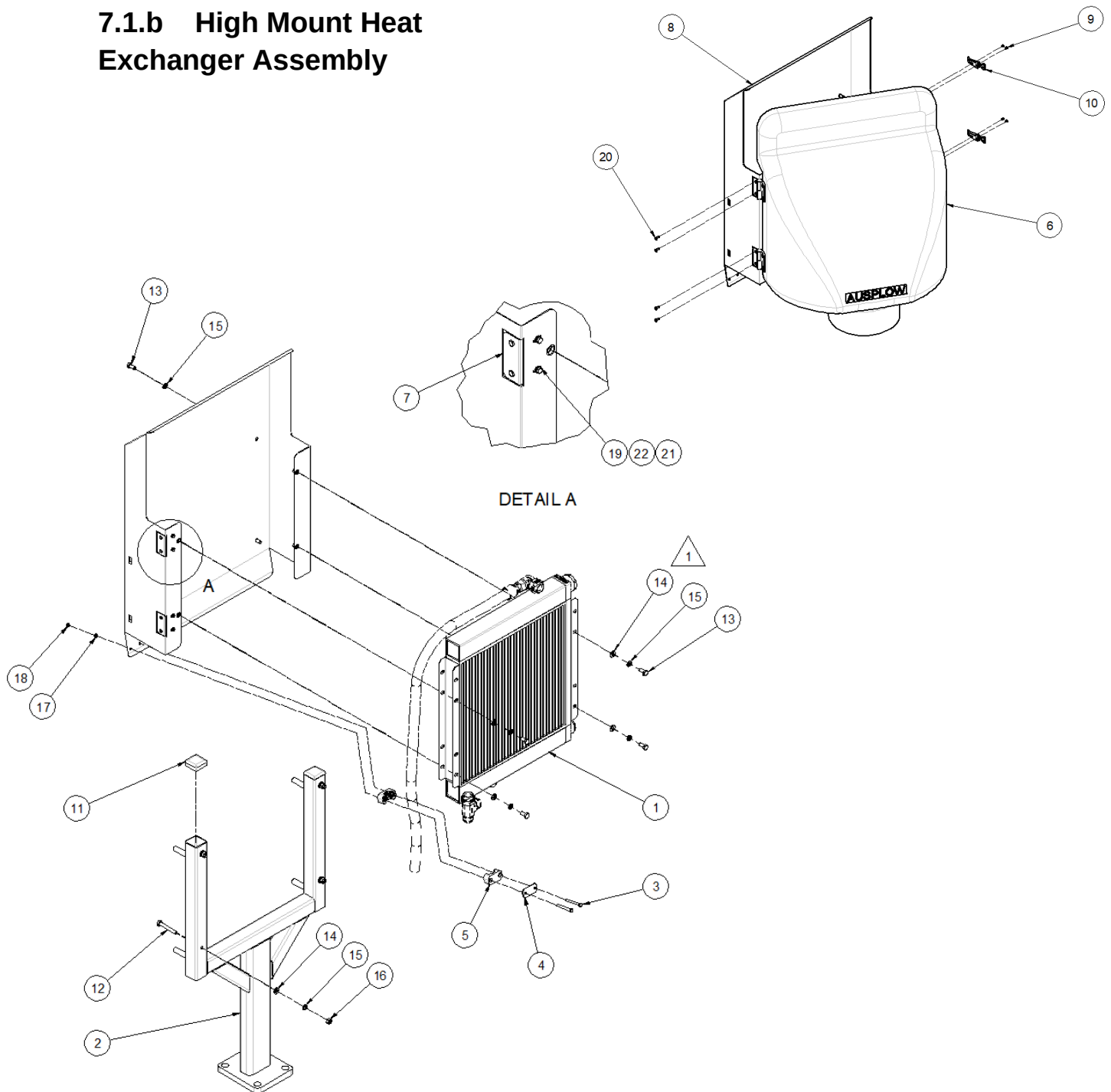


Note: Some older Series 1 Multistreams may require 15768 Heat Exchanger Upgrade Kit

Heat Exchanger Upgrade Kit #15768



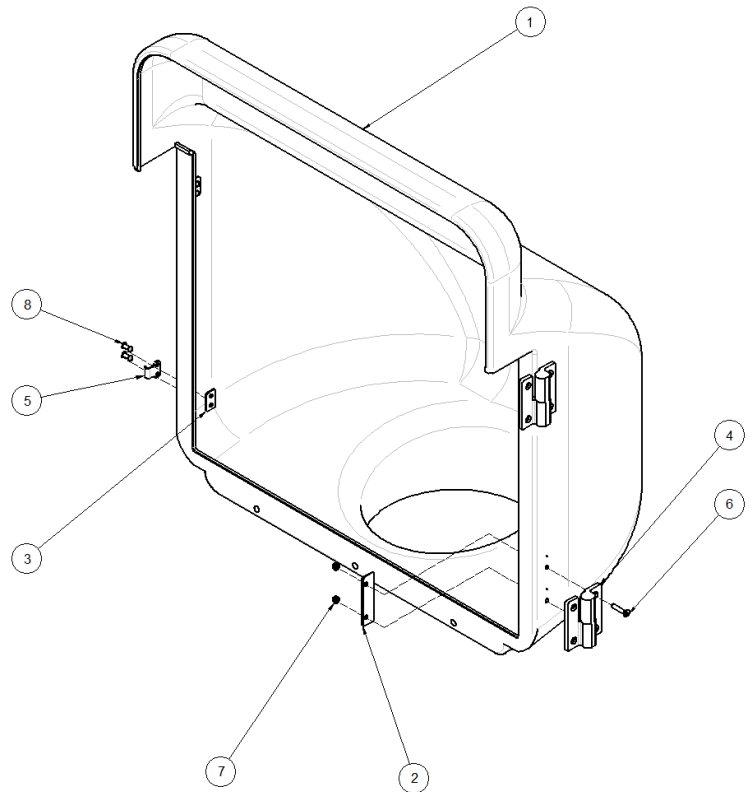
7.1.b High Mount Heat Exchanger Assembly



Item #	Qty	Part #	Description
ALL	1	28587	MS SERIES II HIGH MOUNT HEAT EXCH ASSY
1	1	27106	HEAT EXCHANGER WITH INTERNAL BYPASS 3 BAR
2	1	28588	HEAT EXCHANGER HIGH MOUNT FRAME
3	2	12805	BOLT M6 x 60mm
4	1	12809	COVER PLATE
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

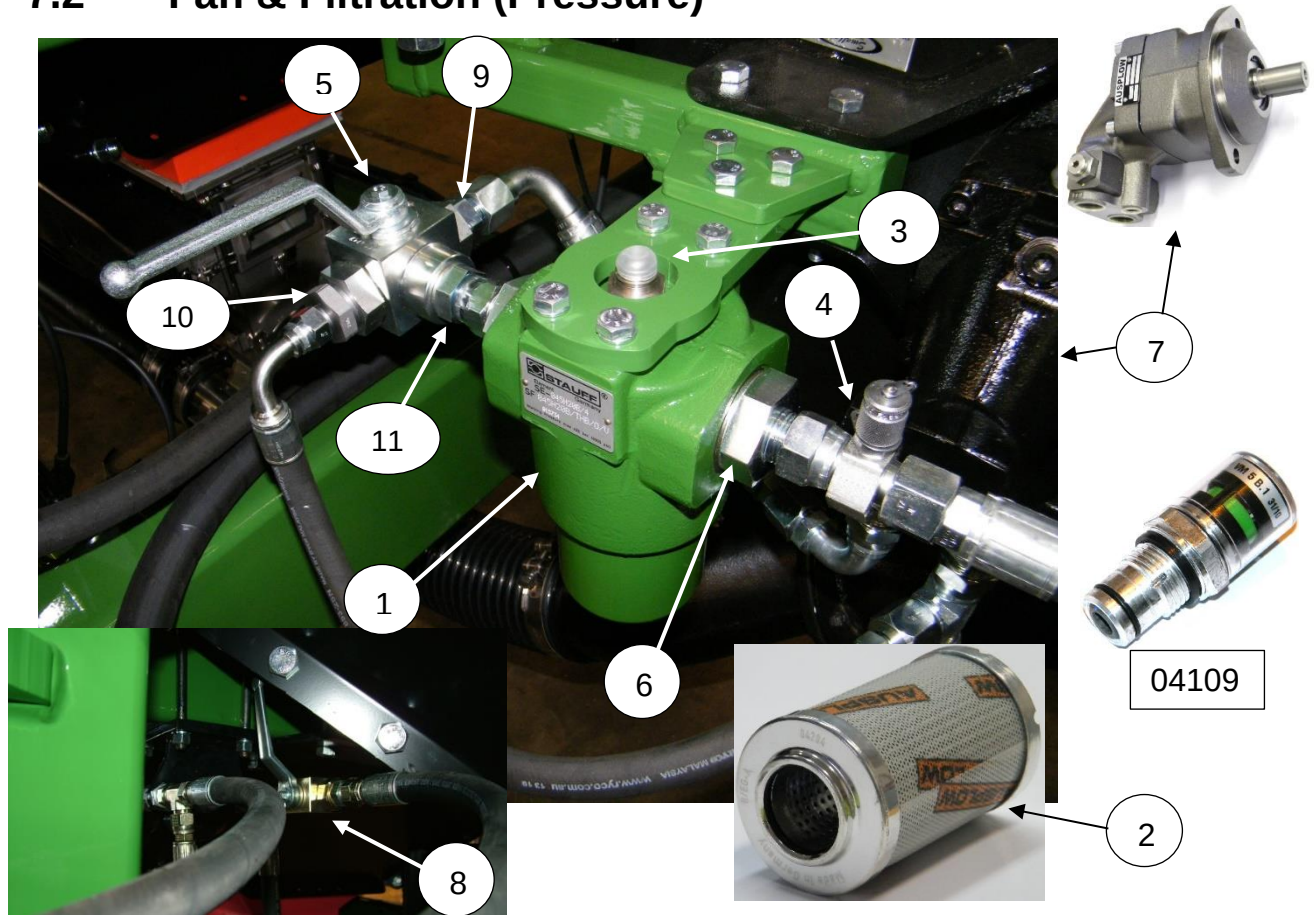
9	4	09058	RIVET 4mm x 5mm SS SEALED
10	2	09134	OVER CENTRE CATCH SS
11	2	09206	END CAP PLASTIC 50 x 50mm
12	4	09140	BOLT M10 x 70mm
13	8	09128	SCREW M10 x 20mm
14	8	09141	WASHER FLAT M10
15	12	09130	WASHER SPRING M10
16	4	09131	NUT M10
17	2	09195	WASHER SPRING M6
18	2	09166	NUT M6
19	4	09314	BOLT M5 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

7.1.c 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

7.2 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 ¼ 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

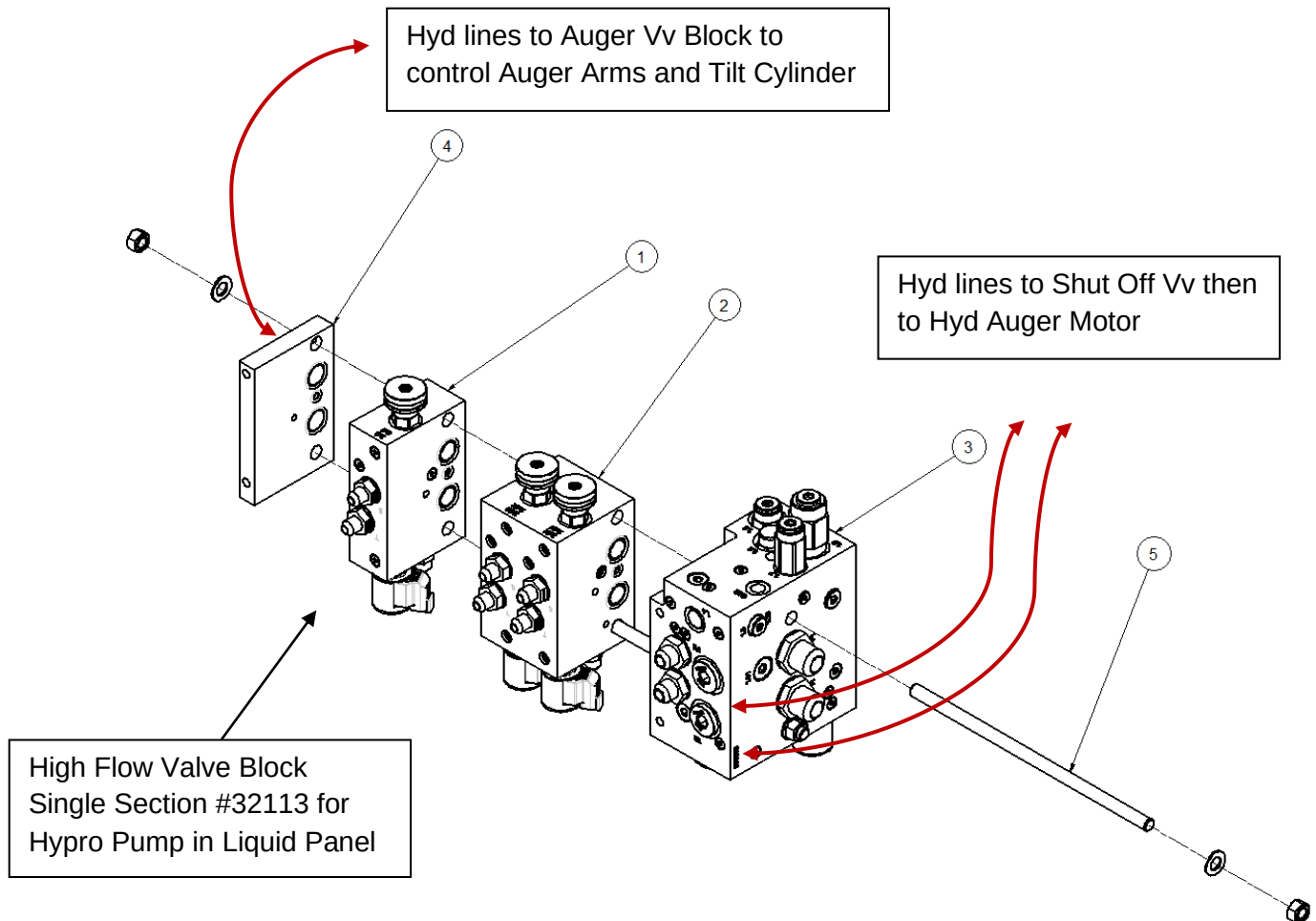
After repair or replacement, the Fan Motor Case must be filled with clean hydraulic oil prior to initial start. Initial start must be conducted at LOW HYDRAULIC FLOW RATES in order to gently purge air from system.

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

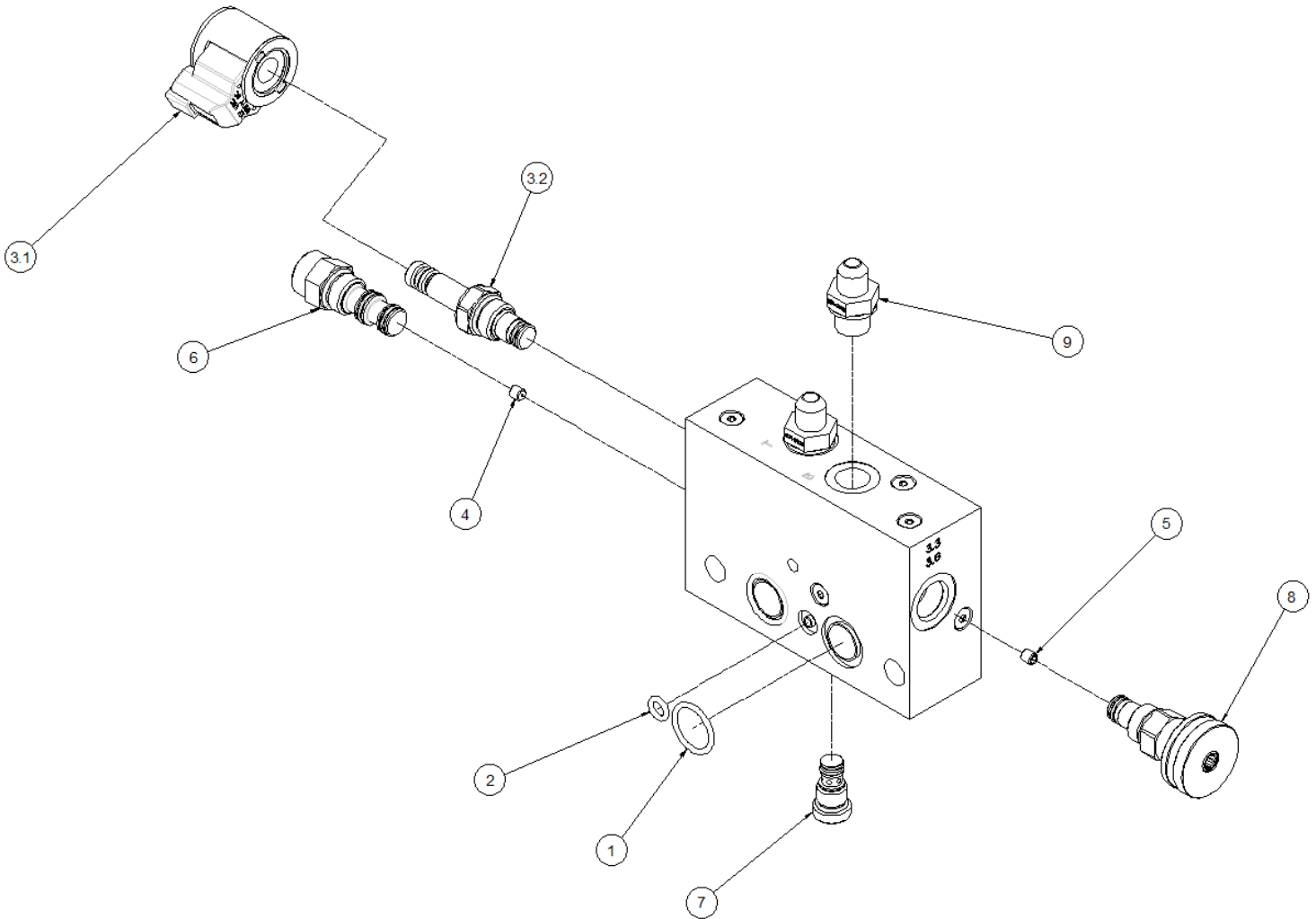
End of 2016, all Multistream bins were fitted with MCV 2 (II) type hydraulic valve blocks.

7.3.a MCV II 3 Bank Valve Assembly



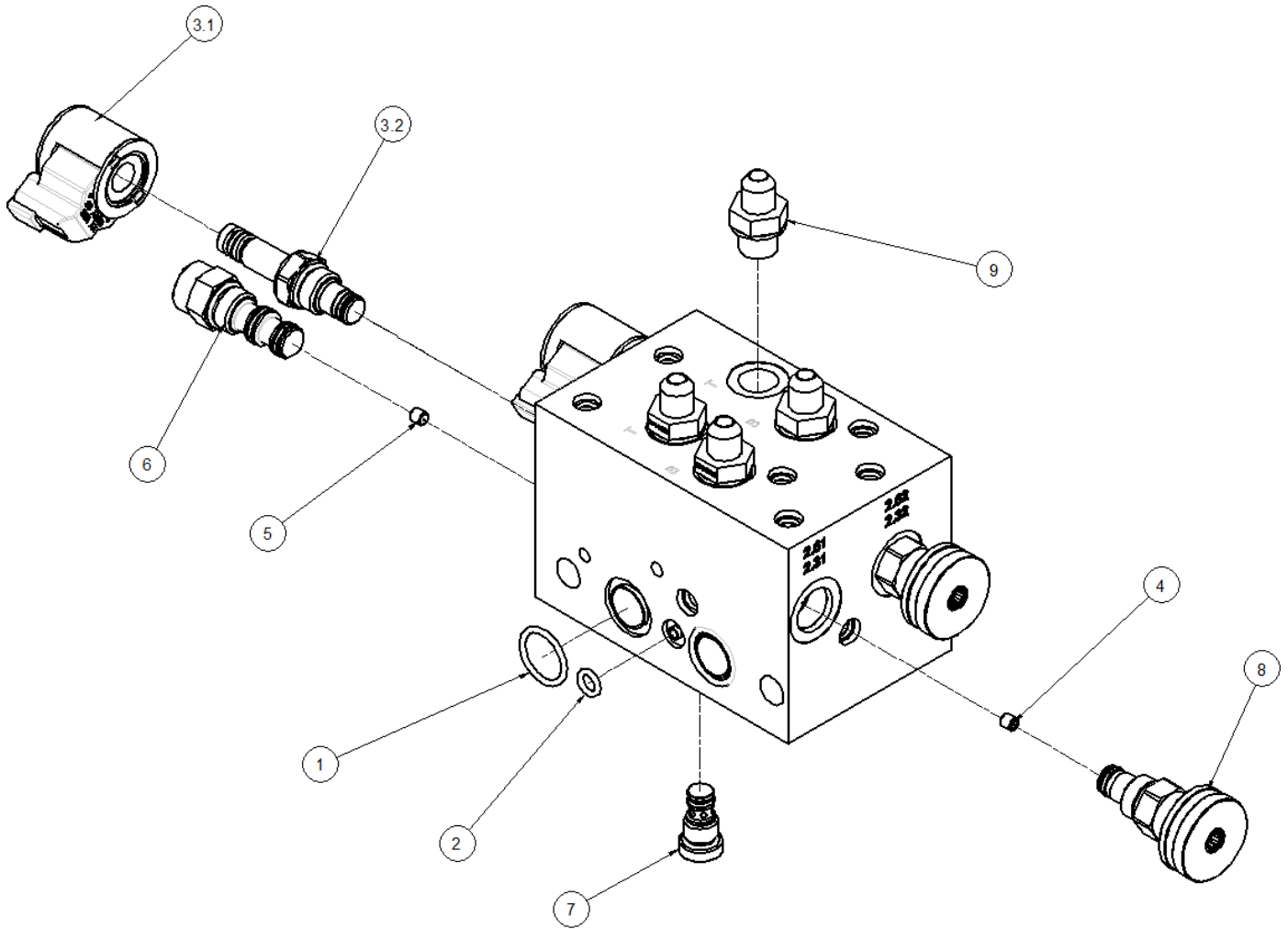
Item #	Qty	Part #	Description
All	1	15855	MCV II 3 BANK VALVE ASSY 3G
		32327	MCV II 3 BANK VALVE ASSY 2G1L HIGH FLOW
1	1	15850	MCV II SINGLE METERING SECTION ASSY – 15L/min
		32113	HIGH FLOW MCV II SINGLE METERING SECTION (For Liquid Panel Hypro Pump – 22L/min)
2	1	15851	MCV II DUAL METERING SECTION ASSY – 15L/min
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
Note that end plugs are required if auger is not fitted			
	3	09663	PLUG FOR AUGER OUTLETS ¼" BSP
	3	09715	NIPPLE ¼" BSP POM x 9/16 JICM

7.3.b MCV II – Single Metering Section Assembly



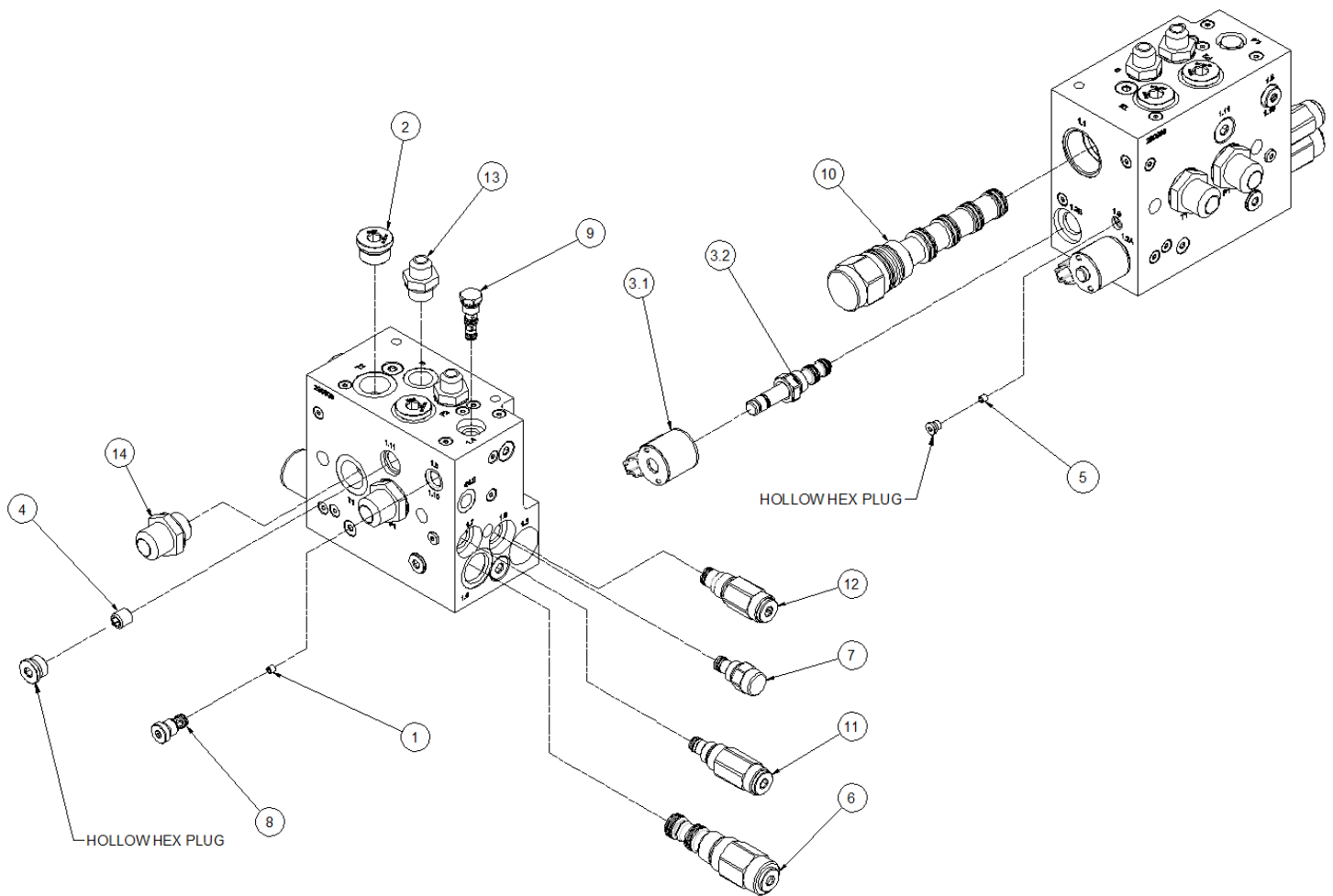
Item #	Qty	Part #	Description
All	1	15850	SINGLE METERING SECTION MCVII
	1	32113	SINGLE METERING SECTION – HIGH FLOW - Used on Bins with new Liquid Panel with Hypro pump
1	2	28313	O-RING 0.862"ID x 0.103"
2	1	28314	O-RING 0.299" ID x 0.103"
3	1	29387	POPPET CARTRIDGE & COIL ASSY
NS	1	32112	POPPET 2/2 N/C 22L/min CARTRIDGE & COIL ASSY - HIGH FLOW
3.1	1	15874	MCVII COIL 12V DC
NS	1	32111	MCVII COIL 12V DC – HIGH FLOW
3.2	1	15884	POPPET CARTRIDGE 22L/min – Granular meter section
NS	1	32110	POPPET 2/2 N/C 22L/min – HIGH FLOW
4	1	15871	ORIFICE 3.5mm Dia – Not fitted to High Flow Liq sys
5	1	15873	ORIFICE 0.6mm Dia
6	1	15875	PRESSURE COMPENSATOR MCVII
NS	1	32115	PRESS COMPENSAROR W/LOAD SENSE – HIGH FLOW
7	1	15878	CHECK VALVE MCVII
8	1	15880	NEEDLE VALVE
9	2	09443	NIPPLE 3/8 BSPPOR 9/16 JICM

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

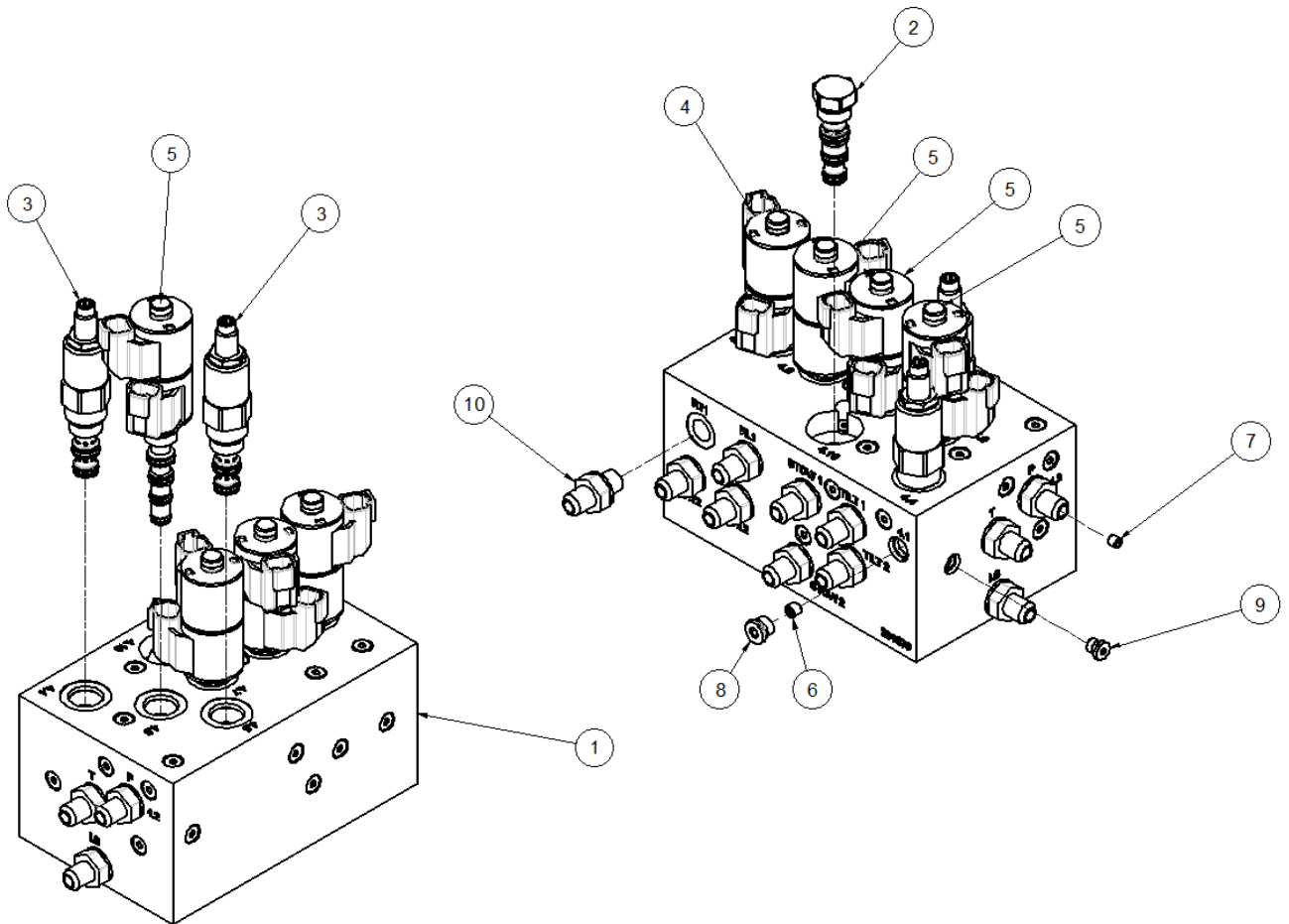
7.3.d MCV II Inlet Section Assembly



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 3/4 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 1/2 BSPPOR 3/4 JICM
14	2	07121	NIPPLE 3/4 BSPPOR 1 1/16 JICM

7.4 Auger Hydraulic Block

7.4.a Version 2 – Auger with Hydraulic Cylinder

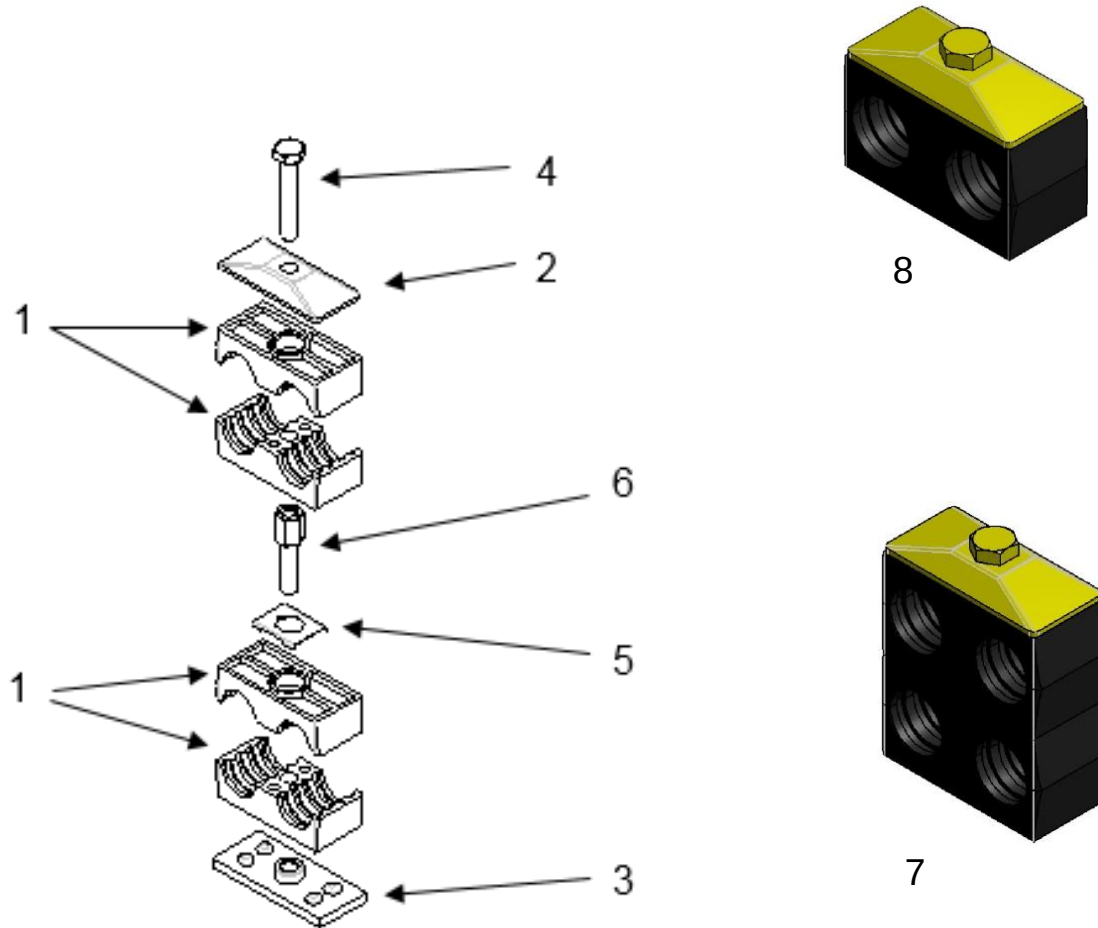


Item #	Qty	Part #	Description
All	1	32818	AUGER MANIFOLD ASSY Series II MS (slew hyd auger)
1	1	32819	AUX MANIFOLD HOUSING
2	1	30572	PILOT OPERATED CHECK VALVE 19L/min
3	2	30574	RELIEF VALVE 11.4L/min
4	1	30577	SOLENOID VALVE 5 WAY 13.3L/min
		15180	COIL ONLY 12V Size 08
5	3	32821	SOLENOID VALVE 5 WAY 13L/min
		15180	COIL ONLY 12V Size 08
6	1	30578	ORIFICE 1/16" NPT x 1.2mm DIA
7	1	32820	ORIFICE 1/16" NPT x 0.9mm DIA
8	1	30569	HEX PLUG 7/16 UNF
9	23	28935	HEX PLUG 5/16 UNF
10	11	09715	NIPPLE ¼ BSPPOM x 9/16 JICM

Version 1 Auger with Brakes - Please refer MS Series II Spare Parts Manual (Version 1.3)

7.5 Hydraulic Hose Clamps & Trays

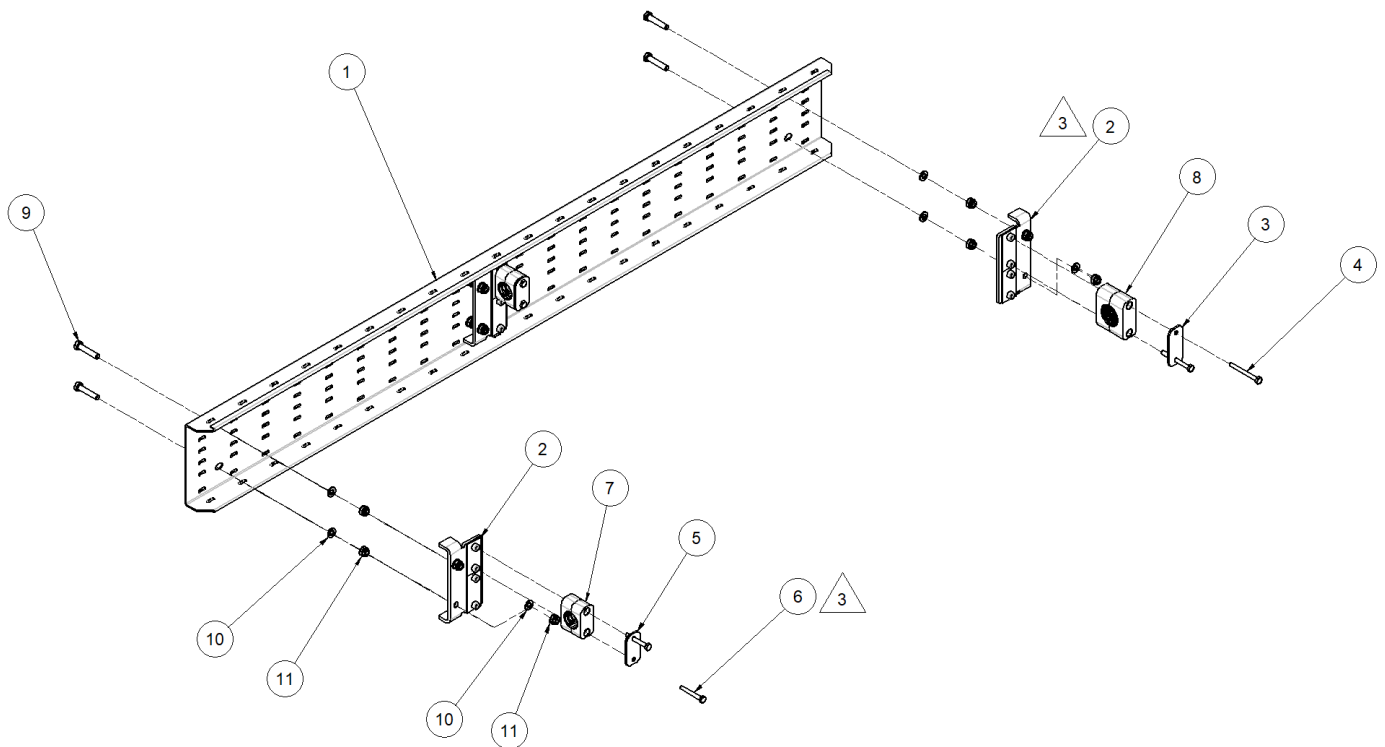
7.5.a Hydraulic Hose Clamp



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)
2	1	11262	TOP PLATE $\frac{3}{8}$ " & $\frac{1}{2}$ "
3	1	11263	HYDRAULIC CLAMP BASE PLATE $\frac{3}{8}$ " & $\frac{1}{2}$ "
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 $\frac{1}{2}$ "
8	1	14654	HOSE MOUNT CLAMP ASSY 2 x $\frac{1}{2}$ "

$\frac{3}{8}$ " 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.b Hydraulic Hose Cable Tray



Item #	Qty	Part #	Description
1	1	29484	HYDRAULIC HOSE TRAY 1400LG
2	3	29488	HOSE TRAY CLAMP 7 HOSE
3	1	12804	STAUFF CLAMP COVER PLATE
4	2	12805	HEX BOLT M6 x 60mm
5	2	12809	COVER PLATE
6	4	09607	HEX BOLT M6 x 45mm
7	2	15330	HOSE CLAMP BODY 30mm PAIR
8	1	09837	STAUFF CLAMP BODY 37mm PAIR
9	6	09925	BOLT M8 x 40mm
10	12	09017	WASHER FLAT M8
11	12	09080	HEX NUT M8 Nylock

7.6 Hydraulic Fittings, Hoses & Mount

7.6.a Hydraulic Quick Coupling Set

Ball style

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



Poppet style

Item #	Qty	Part #	Description
All	1	05997	QUICK COUPLING SET – ½" PP M&F
	1	05996	QUICK COUPLER ½" MALE
	1	02295	QUICK COUPLER ½" FEMALE

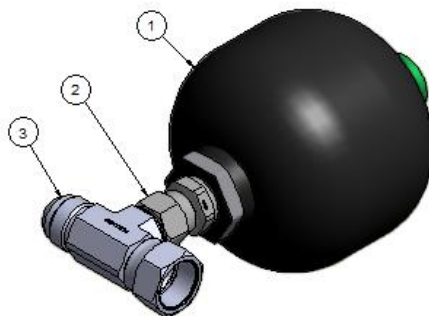


Item #	Qty	Part #	Description
All	1	05998	QUICK COUPLING SET – ¾" PP M&F
	1	05721	QUICK COUPLER ¾" MALE
	1	05720	QUICK COUPLER ¾" FEMALE



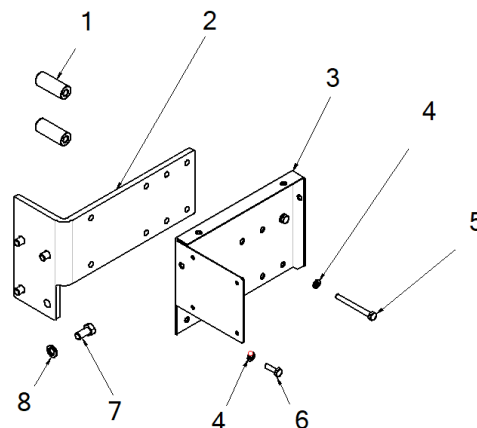
7.6.b Hydraulic Block Accumulator

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



7.6.c Hydraulic Block Mount and Fittings

Item #	Qty	Part #	Description
1	2	30385	MCVII MOUNT SPACER
2		AR	VALVE BACKING BRACKET
3		AR	VALVE BACKING PLATE PRESSING
4	4	09066	M8 SPRING WASHER
5	2	09079	BOLT M8 x 80mm
6		09254	BOLT M8 x 25mm
7		09228	BOLT M12 x 25mm
8		09010	WASHER SPRING M12



7.6.d 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



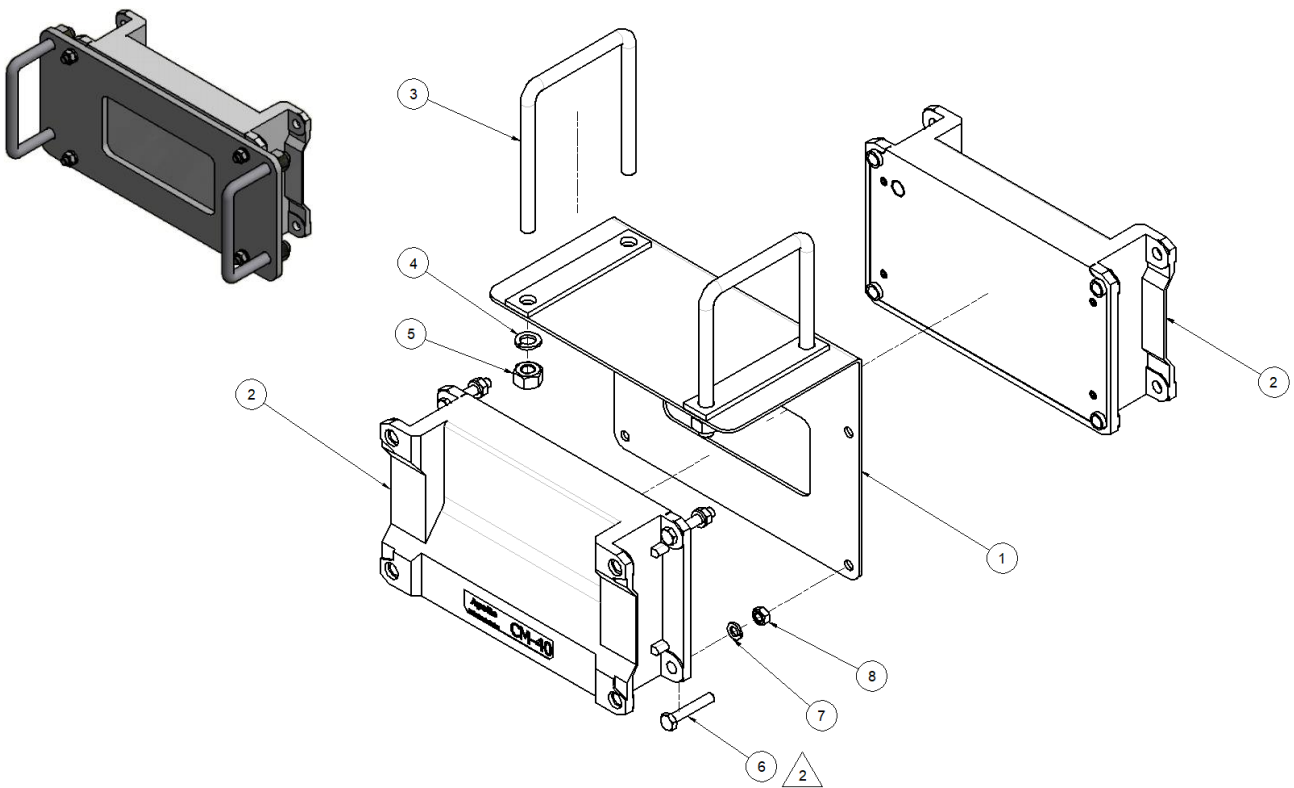
8.0 Electrical System

8.1 Bracket Mountings

8.1.a Bracket Mountings – X30/X35 Apollo

Apollo EM24 Frame Fit
Part # 33816

Keypad Bracket
Part # 27865



Item #	Qty	Part #	Description
1	1	27937	APOLLO CM-40 BRACKET ASSY
2	2	15841	APOLLO CM-40 MASTER MODULE
3,4,5	2	05778	U-BOLT SET M12x102x133mm
6	4	33815	BOLT HEX M8 x 45mm
7	4	09105	WASHER SPRING M8 SS
8	4	09055	NUT HEX M8 SS

Cable Tray Bracket LH
Part # 27772



Cable Tray Bracket RH
Part # 27773

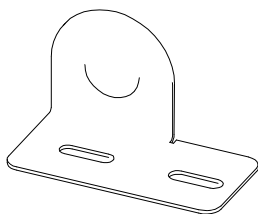
8.1.b Bracket Mounting - Air Pressure Sensor

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

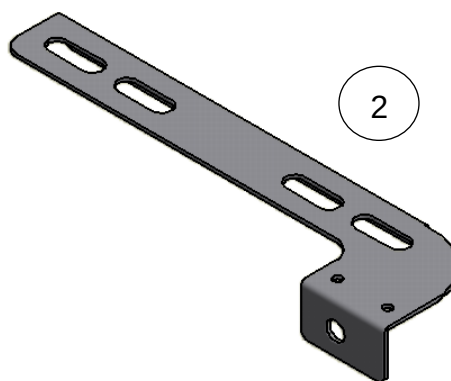


8.1.c Bracket Mounting - Speed Sensor / Wheel & Fan

1



2



Item #	Qty	Part #	Description
1	1	11069	BRACKET MOUNTING SPEED SENSOR FAN
2		32909	BRACKET MOUNTING WHEEL SPEED SENSOR 150 axle & Series II axle
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

8.1.d Fasteners for Speed Sensors & Brackets

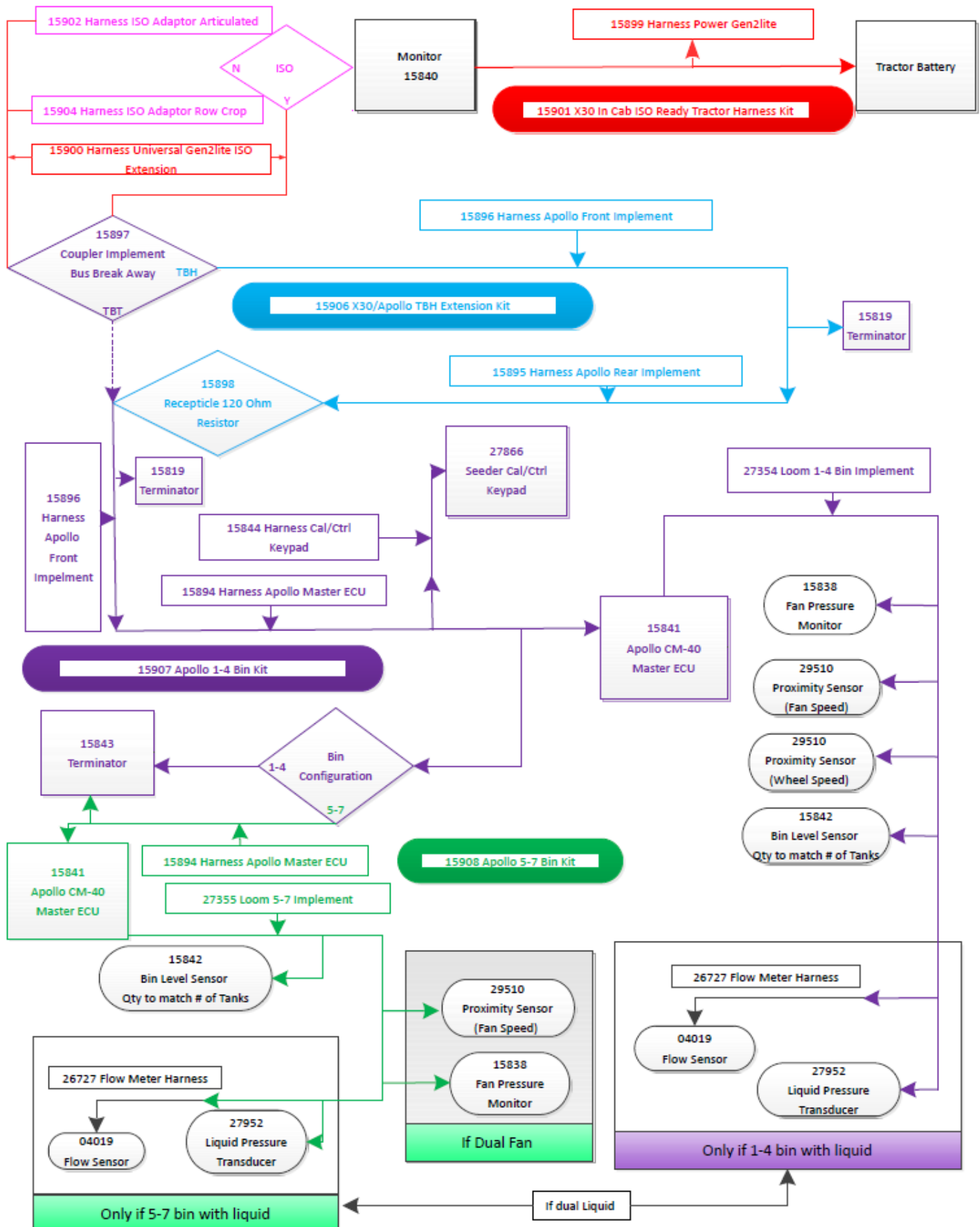
Qty	Part #	Description
1	05778	U-BOLT SET SUIT 100 & 110 SERIES AXLES
2	09309	SETSCREW M5 x 12mm SS FITS 11069 BRKT OR FARMSCAN SENSOR
4	09310	WASHER FLAT M5
2	09096	NUT M5 NYLOCK
1	05445	U-BOLT SUIT 150 SERIES AXLE (Drill to suit bracket)
1	09254	SETSCREW M8 x 25mm
1	09017	WASHER FLAT M8
1	09066	WASHER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

8.2 Electrical Components

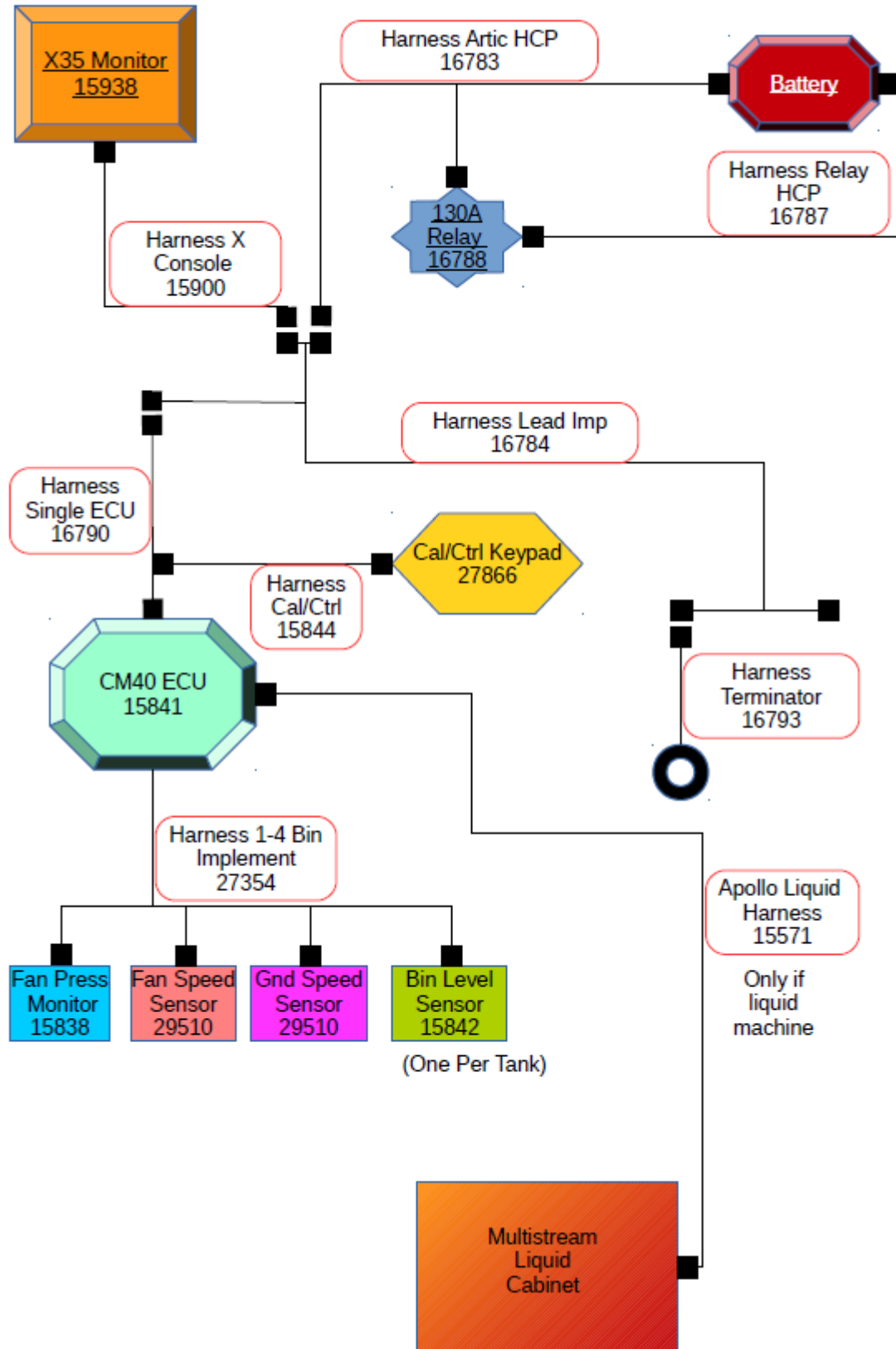
8.2.a Electrical Components - Topcon X30 /X35 Apollo

Part #	Description & Location	Apollo Kit 1-4	Apollo Kit 5-7
Bin Wiring Harness's Components		#15907	#15908
27354	LOOM APOLLO 1-4 BIN	1	
27355	LOOM APOLLO 5-7 BIN		1
15843	TERMINATOR HARNESS X30/X35 APOLLO	1	
15844	ON FRAME CAN KEYPAD HARNESS (run/stop)	1	
15896	HARNESS APOLLO FRONT (9m)	1	
15894	HARNESS APOLLO MASTER ECU	1	1
15898	RECEPTICLE		
15901	X25-35 TRACTOR HARNESS KIT		
Tow Behind Harness's Special Components			
15895	HARNESS APOLLO REAR IMPLEMENT (9m)		
15897	COUPLER BREAKAWAY	1	
15906	X30/APOLLO TBH EXTENSION KIT - Consists of 15895, 15896, 15898		
Common Components			
15840	X30 MONITOR ONLY		
15938	X35 MONITOR ONLY		
15841	ECU MODULE MASTER CM40 APOLLO – Up to 4 Bins (If liquid fitted specify tank location)	1	1
	ECU Apollo bracket 27937, U Bolts 05778, M8 Nut 09055, Washer 09105, Screw 09114		
15842	SENSOR - BIN LEVEL APOLLO (Granular and liquid)		
15838	SENSOR FAN PRESSURE 3 PIN DEUTSCH		
27866	CAL & CONTROL PANEL (Keypad)	1	
27865	CONTROL PAD BRACKET (Control Pad M12 Bolt 09263, Nut 09054, Washer 09010)		
15819	TERMINATOR PLUG		
29510	SENSOR PROXIMITY with Deutsch plugs - for Meters, Wheel Speed, Fan speed (no magnet, wheel stud head used) & Fan Speed (#33626 - Bolt 3/8x1/2" UNC replaces magnet on fan)		
28137	POWER EXTENSION 7M - DEUTSCH		
32748	AUGER LOOM AUX HARNESS for Hydraulic type		
Liquid Components – Early version - See Chapter 10 for new Liquid panel components			
04019	SENSOR FLOW METER		
27952	LIQUID PRESSURE TRANSMITTER - X30/35, JD Trimble – DEUTSCH plugs		
29609	HARNESS LIQUID CONTROL (Y Harness - joins 28894 & press tx to loom)		
28894	FLOW METER HARNESS ADAPTOR X30/35 & Trimble (joins flow meter to 29609)		
28119	AGITATION REMOTE CONTROL UNIT - DEUTSCH		
15571	LIQ Harness for Single Tank (used for liq tank only instead of using the 5-7 harness)		
High Current Power (HCP) Harnesses (2021 on) for use with Sectional Control – X35 Controller			
16954	X35 4 BIN LIQUID HCP (includes 16794 Apollo HCP 1-4 bin kit TBT)		
16955	X35 5-7 BIN GRAN/LIQ HCP (includes 16795 Apollo HCP 5-7 bin kit TBT)		
15571	HARNESS APOLLO GENERIC LIQUID (x 2 required if dual liquid, x 1 if bridged liquid)		
15900	TRACTOR CAB HARNESS HCP (replaces 15901)		
15717	TOPCON HCP TBH EXTENSION KIT (added to 16954 for TBH)		

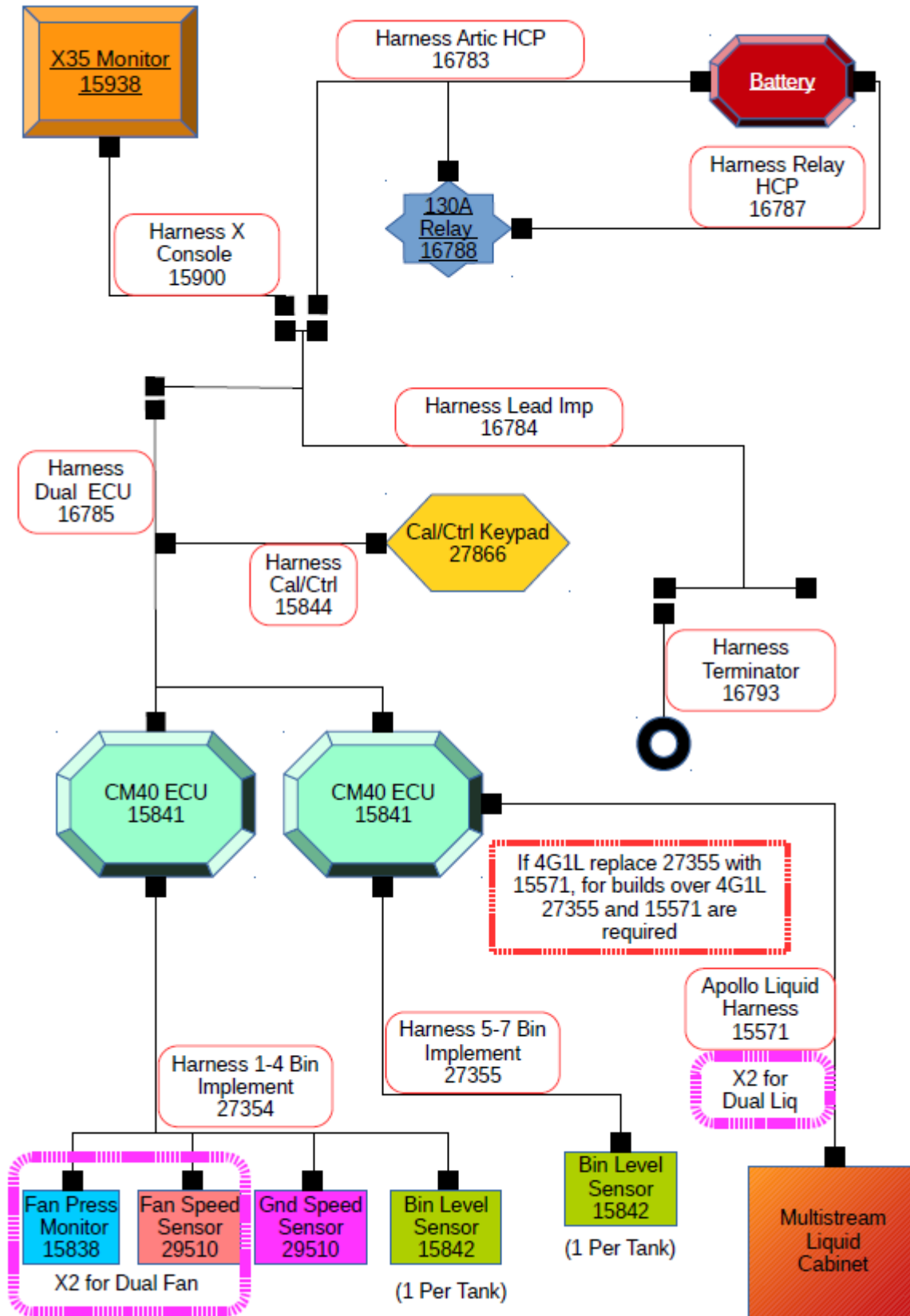
Topcon X30/35 Apollo Schematic Diagram



Topcon X35 Apollo Schematic HCP 1 - 4 Bin HCP for Sectional Control – (Large Bins 2021 on)



Topcon X35 Apollo Schematic HCP 5 - 7 Bin HCP for Sectional Control – (Large Bins 2021 on)



8.2.b Electrical Components – Raven

Part #	Description
15071	FOOT SWITCH ASSY RAVEN JD
15108	HARNESS RAVEN 36FT TRACTOR TO RCM
15114	HARNESS FOOT SWITCH 24FT RAVEN
15127	AUX DISPLAY RAVEN
15129	HARNESS TEE AUX DISPLAY RAVEN
15134	HARNESS 6 SECTION LIQUID RAVEN
15577	RAVEN KIT RCM LVL2 GEN 1
30601	HARNESS CART 1-5 BIN RC2000 RAVEN
32813	LOOM EXT 6/7 BIN JD RC2000 RAVEN
32800	RAVEN CONTROL PAD BRACKET
32356	ECU MOUNT PLATE (JD RC2000 & RAVEN)
31773	BIN LEVEL SENSOR FOR RC2000 RAVEN 2018 on c/w Deutsch Plug
15092	HARNESS RAVEN/AUSPLOW 5 BIN – Packard Plugs
16960	DISPLAY RAVEN VIPER 4+
34434	RAVEN 7" AUX DISPLAY
34437	RAVEN 7" AUX DISPLAY BRACKET
34438	RAVEN 7" AUX DISPLAY ASSY COMPLETE
34439	RAVEN 7" AUX DISPLAY SUPPORT BRACKET
16128	FAN PRESSURE SENSOR KIT RC2000 / RAVEN– Deutsch Plug Contains 09956 Fan Press Sensor Packard Plug & 16080 Adaptor Deutsch to Packard

8.2.c 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 LIQ PRESS SENSOR JUMPER (Trimble Ausplow-Topcon)
15761	LIQUID PRESSURE TRANSDUCER – TRIMBLE (needs 15762 Packard plug)
27952	LIQUID PRESSURE TRANSDUCER Deutsch Plug
29510	SENSOR PROXIMITY (for Meter, Wheel & Fan Speed)
28894	FLOW METER HARNESS ADAPTOR (X30 & TRIMBLE)
15760	ECU MOUNTING KIT - TRIMBLE
32356	ECU MOUNT PLATE (JD & TRIMBLE)
15739	TRIMBLE RATE CONTROLLER MODULE FIELD IQ – (One for Gran/Liq Bin)

8.2.d Electrical Components – JD/RC2000

Part #	Description
13760	RATE CONTROLLER GRAN/LIQ RC2000 (up to 5 bins) – c/w foot switch & ECU loom
32356	ECU MOUNT PLATE (JD RC2000 & RAVEN)
30601	HARNESS CART 1-5 BIN RC2000 RAVEN
32813	LOOM EXT 6/7 BIN JD RC2000 RAVEN
15114	HARNESS FOOT SWITCH JD RC2000 & RAVEN
15949	HARNESS FRONT EXT 10m Tractor to ECU (For TBT & TBH)-RC2000
01929	HARNESS KIT TBH EXT – Across the bar looms
15728	SWITCH BAR HEIGHT c/w lead, switch, brackets (Greenstar Packard plugs)
31773	BIN LEVEL SENSOR FOR RC2000 RAVEN 2018 on c/w Deutsch Plug
27367	WASHER 50x30.5x2.5mm used when convert X20 bin sensor to RC2000, X35, Trimble
27952	LIQUID PRESSURE TRANSDUCER Deutsch Plug – Suit JD, Trimble, Apollo
32524	JD LIQUID PRESSURE LOOM 4.5m Deutsch-Deutsch – Liq Panel
32525	LIQUID CONTROL Vv HARNESS 4.1m – Liq Panel
32528	LIQUID CONTROL Vv HARNESS 4.5m – Liq Panel
16128	FAN PRESSURE SENSOR KIT RC2000 / RAVEN– Deutsch Plug Contains 09956 Fan Press Sensor Packard Plug & 16080 Adaptor Deutsch to Packard
09956	FAN PRESSURE SENSOR RC2000 – Packard Plug
29510	SENSOR PROXIMITY (for Meter, Wheel & Fan Speed)
33626	BOLT 3/8 x 1/2" UNC for fan speed – replaces magnet
32532	HARNESS JD FLUSH Vv SHUT OFF
32403	HARNESS PUMP LOOM JD
32407	HARNESS PUMP CAB EXT JD – Liq Panel
13761	JD DRY CONVERSION KIT (Old JD to RC2000)

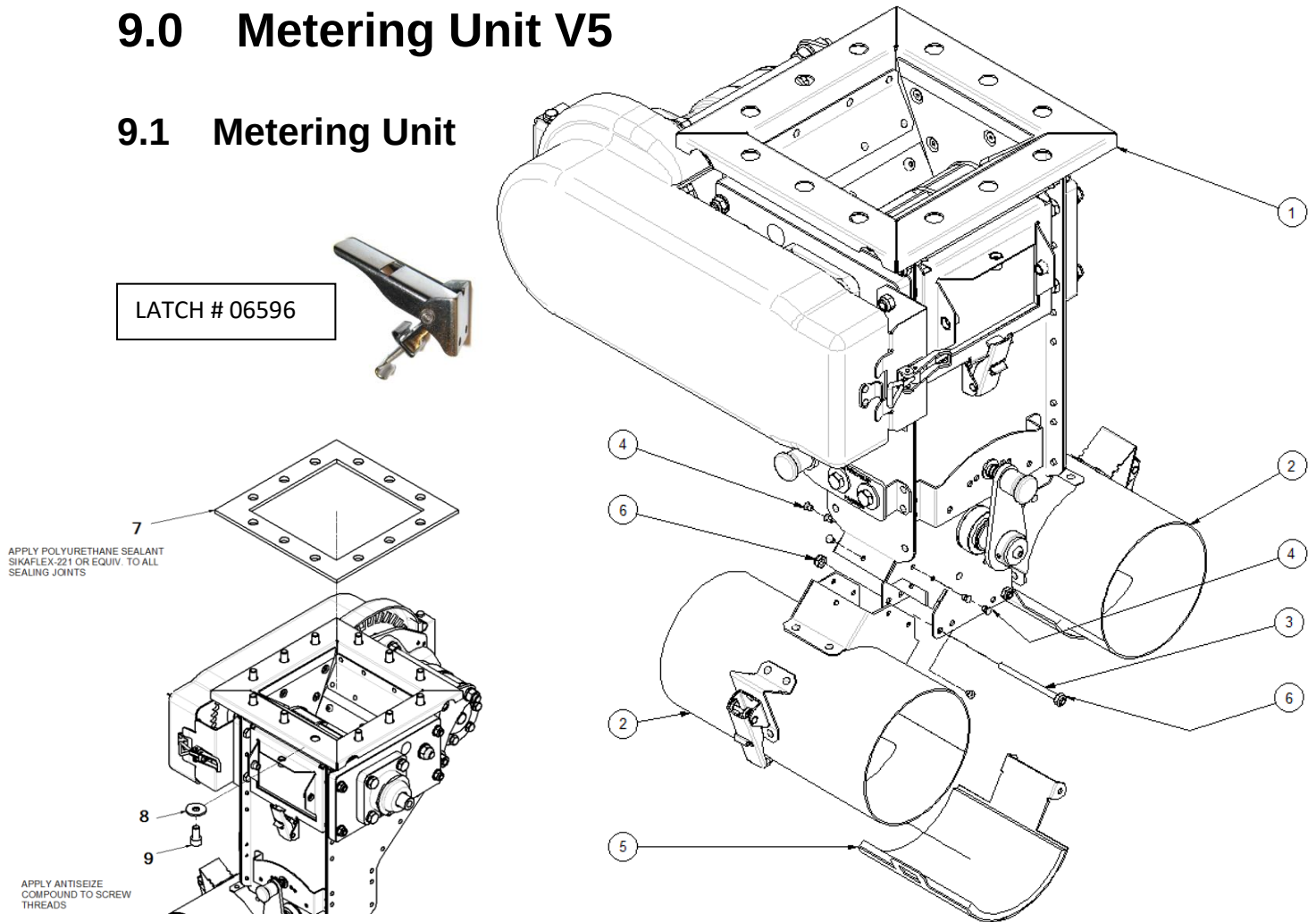
8.2.e Adaptor Leads for Packard to Deutsch

Used when converting Older Packard Topcon/Trimble/Greenstar to Deutsch RC2000 & Apollo

Part #	Description
16367	HARNESS FLOW METER – RC2000 Packard to Deutsch
16368	HARNESS LIQUID PRESS – RC2000 Packard to Deutsch
16369	HARNESS PVG32- MCVII – RC2000 Packard to Deutsch (one for each meter)
16370	HARNESS FAN PRESS – JD Packard to Deutsch
16371	HARNESS FAN SPEED – JD Packard to Deutsch (not if 29510 supplied)
16080	HARNESS 3 WIRE – Packard to Deutsch
34278	VOLTAGE SHIFTER c/w Deutsch Plug (used with Danfoss blocks)

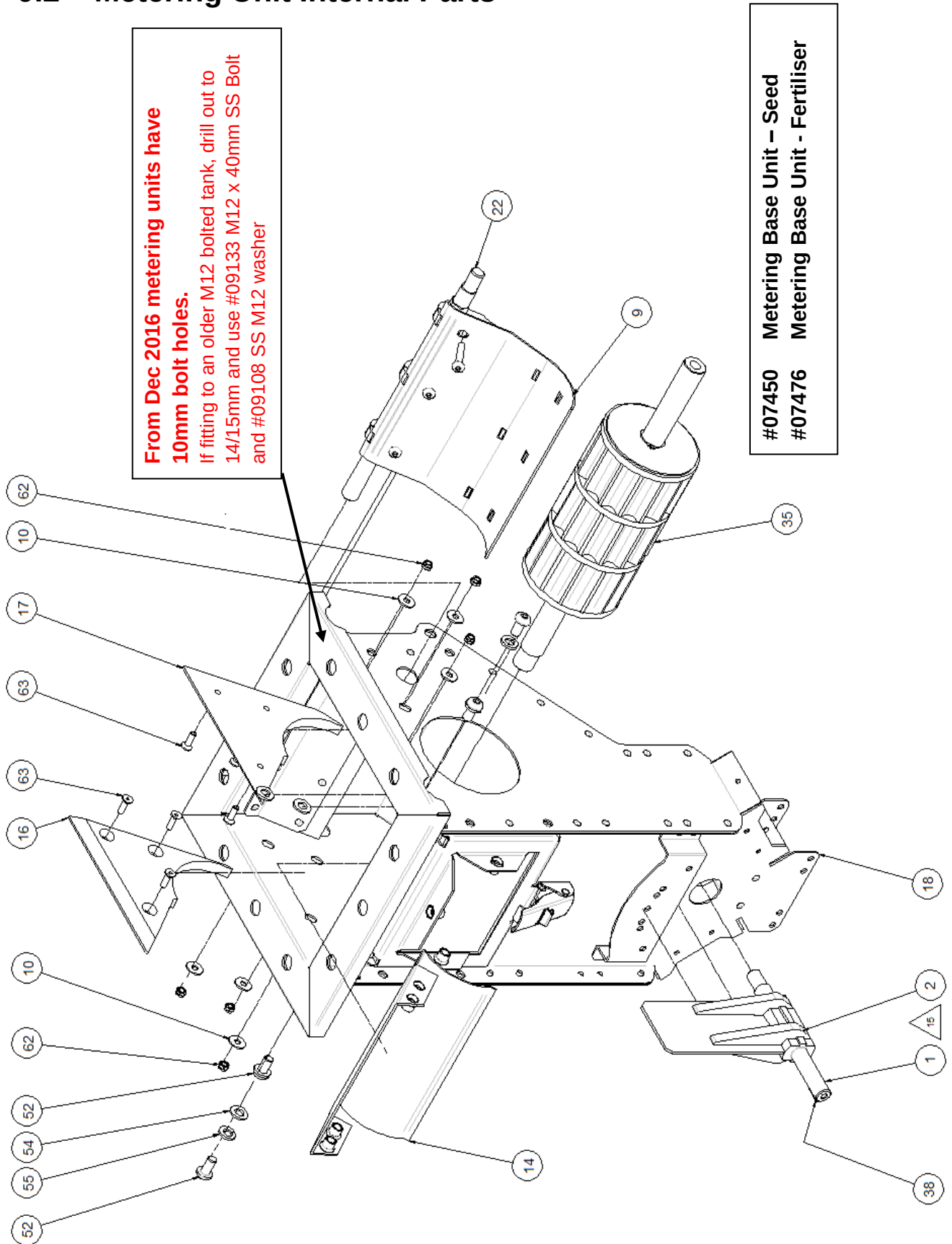
9.0 Metering Unit V5

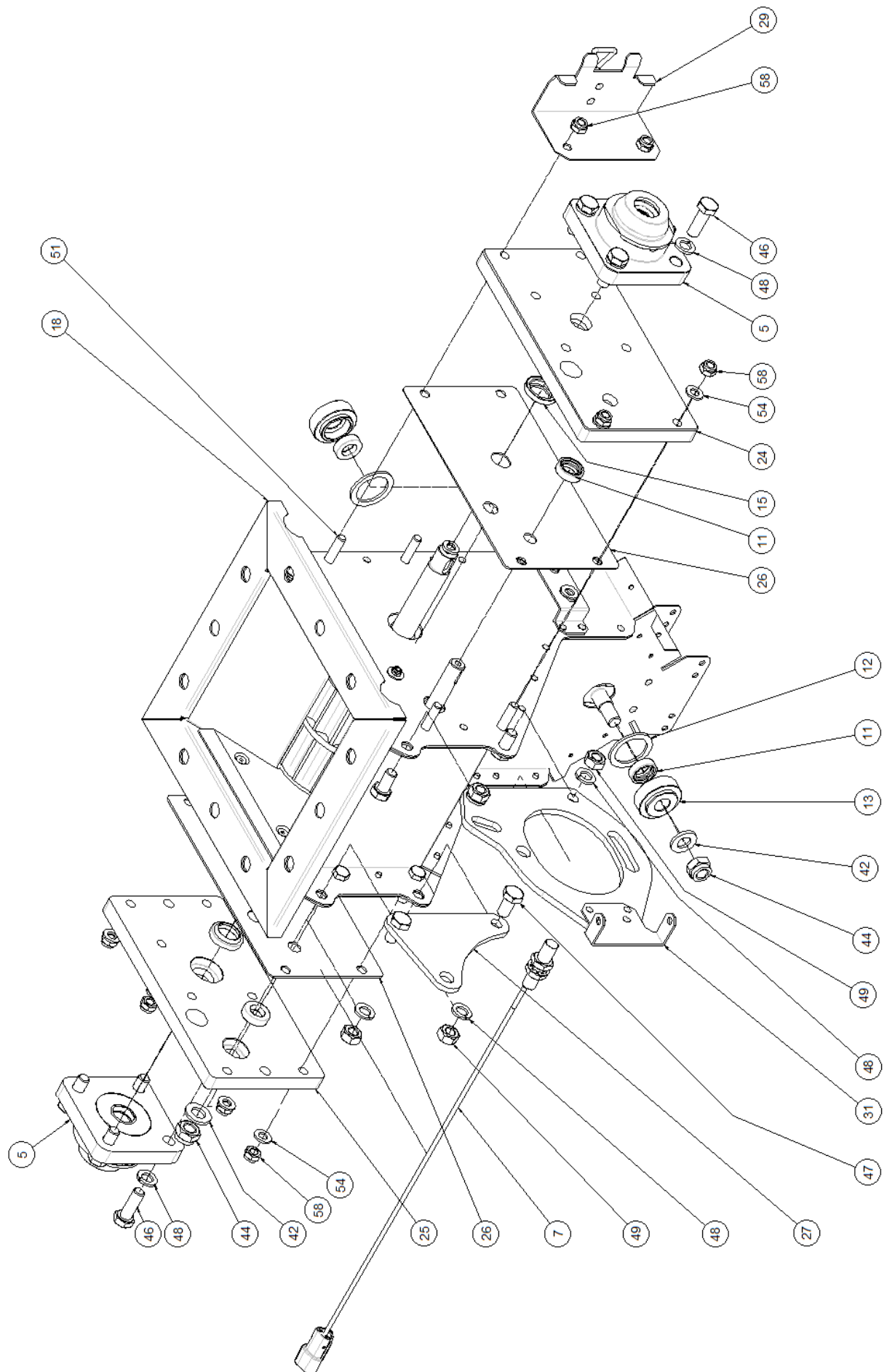
9.1 Metering Unit

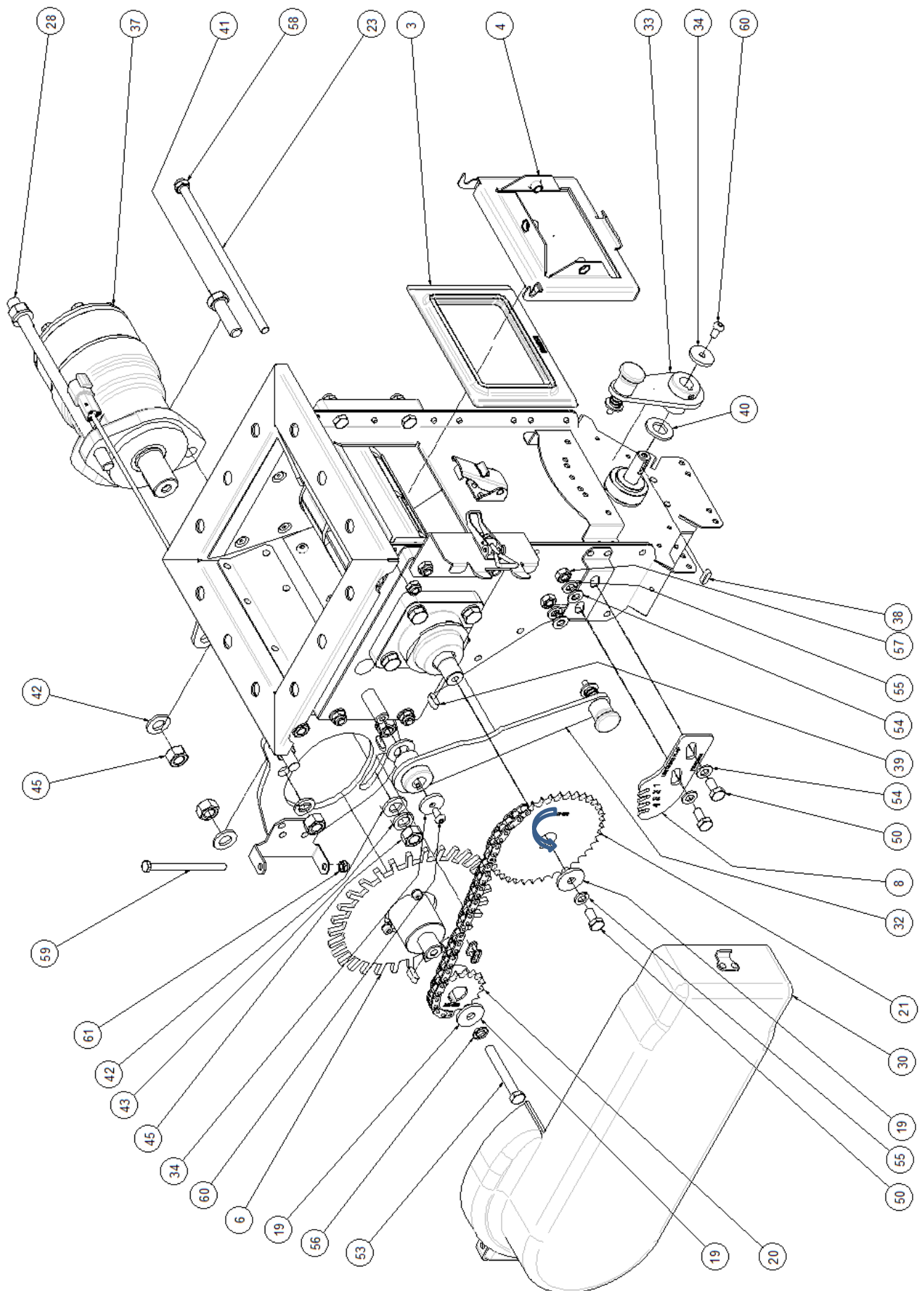


Item #	Qty	Part #	Description
1	1	07593	METERING UNIT V5 ASSY 5" - SEED (Not Small)
	1	07598	METERING UNIT V5 ASSY 5" - FERTILISER
	1	07596	METERING UNIT V5 ASSY 6" - SEED (Not Small)
	1	07599	METERING UNIT V5 ASSY 6" - FERTILISER
	1	14319	METERING UNIT V5 ASSY 5" - S/SHOOT - SMALL SEED
	1	14313	METERING 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
2	2	07494	METERING TUBE ASSY 5" - WITHOUT DOOR
	2	07495	METERING TUBE ASSY 6" - WITHOUT DOOR
3	2	07499	DOOR HINGE PIN V5
4	12	09058	RIVET 4mm x 12.5mm SS
5	2	07603	TRAP DOOR ASSY 5" - V5 c/w Gasket #07554
	2	07602	TRAP DOOR ASSY 6" - V5 c/w Gasket #07554
6	2	09096	NUT M5 Nylock
7	1	06131	GASKET METERING UNIT 6mm
8	12	09810	WASHER M10 SS (was M12 pre 2017 tanks)
9	12	09948	BOLT M10 x 25mm SOCKET HEAD SS (was M12 pre 2017)

9.2 Metering Unit Internal Parts







Metering Unit V5 Internal Parts
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Item #	Qty	Part #	Description
1	1	34131	FLOW DIVIDER SHAFT
2	1	34136	FLOW DIVIDER FLAP
3	1	26690	METERING UNIT DOOR SEAL
4	1	26889	WINDOW FRAME ASSY CAMERA MOUNTING
5	2	27066	BEARING ASSY
6	1	27108	HYDROMOTOR DRIVE ADAPTOR ASSY – (See Section 9.3)
	1	07640	HYDROMOTOR DRIVE ADAPTOR ASSY – old type
7	1	29510	PROXIMITY SENSOR with Deutsch Plug
8	1	12659	METERING FLAP LOCK
9	1	12660	METERING FLAP ASSY COMPLETE
10	6	13661	WASHER FLAT M5 SS
11	4	06049	SEAL 14 x 24 x 7mm
12	2	06860	FLAP GASKET - Neoprene
13	2	06862	BUSH 14mm SHAFT
14	1	06877	BLOCKING PLATE ASSY
15	2	07458	SEAL 30 x 20 x 7mm
16	1	07460	INNER SIDE PROTECTOR PLATE RH
17	1	07461	INNER SIDE PROTECTOR PLATE LH
18	1	07462	CHASSIS FRAME ASSY V5
19	2	07464	CLAMP WASHER M8 x 28mm
20	1	AR	SPROCKET – (See Section 9.5)
21	1	AR	SPROCKET – (See Section 9.5)
22	1	07491	METERING FLAP SHAFT V5
23	1	07498	WINDOW HINGE PIN V5
24	1	07522	SIDE CARRIER PLATE MACHINED RH
25	1	07523	SIDE CARRIER PLATE MACHINED LH
26	2	07524	SIDE CARRIER PLATE GASKET
27	1	07526	MOTOR SUPPORT FLANGE V5
28	1	07527	MOTOR MAIN STUD V5
29	1	07535	CHAIN GUARD FRONT BRACKET ASSY
30	1	07536	GUARD ASSY
31	1	07542	MOTOR MOUNT PLATE ASSY
32	1	07546	METERING FLAP ARM ASSY
33	1	07551	DIVIDING FLAP ARM ASSY
34	2	07641	CLAMP WASHER M5 x 25mm
35	1	AR	WHEEL SHAFT ASSY V5.1 (See Section 9.4)
36	1	AR	METERING CHAIN ASSY INCL LINK (see Section 9.5)
37	1	09191	HYDROMOTOR SEED 200cc
	1	09190	HYDROMOTOR FERTILISER 100cc
	1	06835	SEAL KIT HYD MOTOR Hyteco/Agree (2013 on)
38	2	09256	KEY SHAFT 5 x 5 x 16mmLG – (Dividing Flap)
39	1	09257	KEY SHAFT 6 x 6 x 16mmLG – (Metering Wheel)

40	2	09259	WASHER M14 SS
41	1	09133	BOLT M12 x 40mm SS
42	5	09108	WASHER FLAT M12 SS
43	3	09117	WASHER SPRING M12 SS
44	2	09053	NUT M12 SS Nylock
45	5	09107	NUT M12 SS
46	8	09100	BOLT M10 x 30mm
47	4	09252	BOLT M10 x 20mm SS
48	12	09098	WASHER SPRING M10 SS
49	4	09099	NUT M10 SS
50	3	09111	BOLT M8 x 16mm
51	8	09114	BOLT M8 x 30mm SS
52	4	09303	BOLT BUTTON HEAD M8 x 16mm
53	1	09999	BOLT M8 x 65mm
	1	09727	BOLT UNC ¼ x 2 ½" (used in older adaptor)
	1	09111	BOLT M8 x 16mm SS (used in older adaptor)
54	14	09106	WASHER FLAT M8 SS
55	7	09105	WASHER SPRING M8 SS
56	1	09066	WASHER SPRING M8
57	2	09055	NUT M8 SS
58	10	09277	NUT M8 SS Nylock
59	1	09632	BOLT M6 x 90mm SS
60	2	09276	BOLT BUTTON HEAD M6 x 12mm SS
61	1	09194	NUT M6 SS Nylock
62	6	09096	NUT M5 Nylock
63	6	09235	SCREW COUNTERSUNK M5 x 16mm SS

Please Note:

Metering Units are made with a proximity sensor that have a Deutsch end plug fitting.

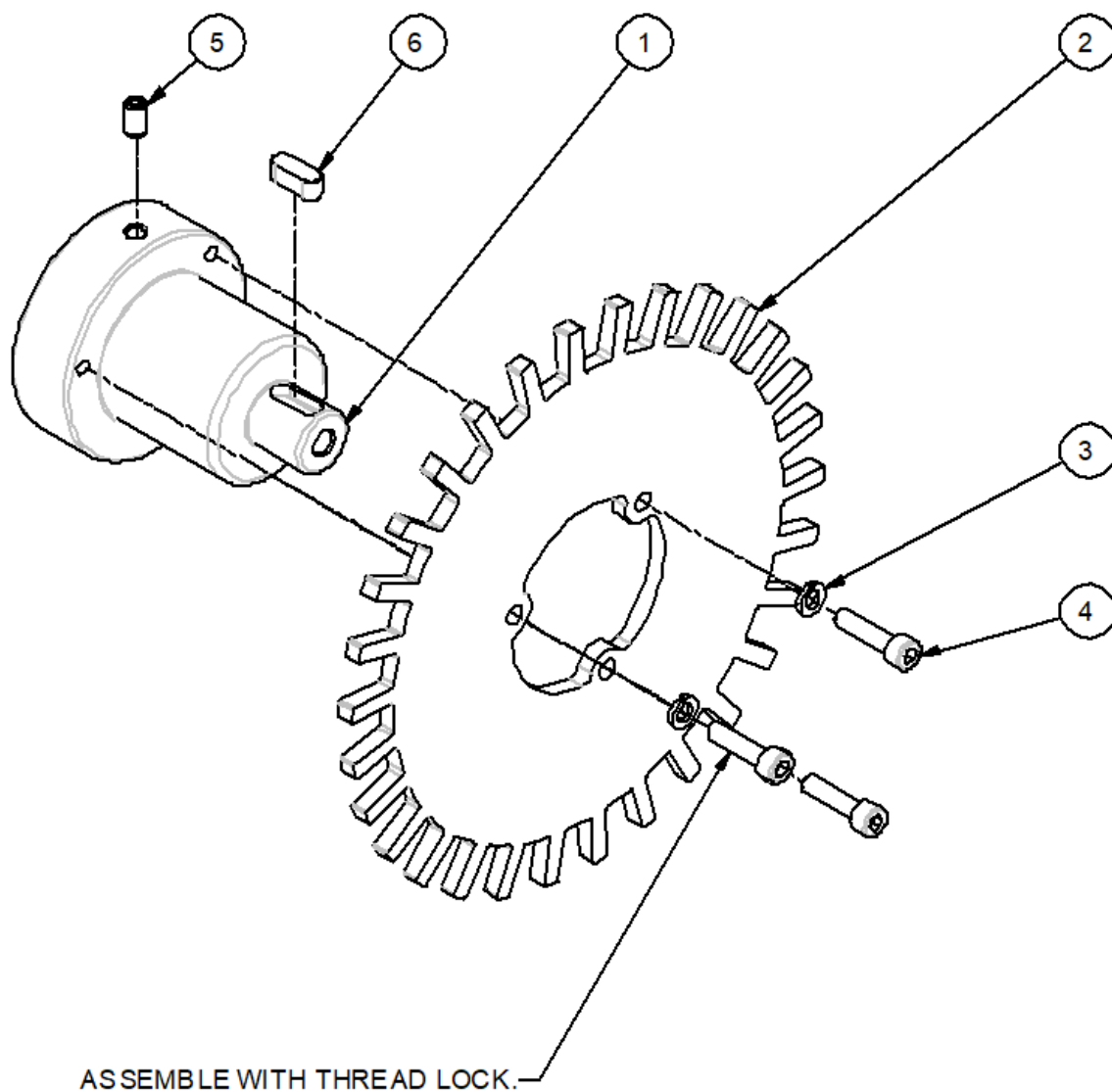
If you require a complete metering unit with the older Packard end plug fitting, please ensure this is mentioned in the notes section when placing an online order.

PROXIMITY SENSOR & LEAD - Deutsch Plug
Part # 29510

PROXIMITY SENSOR & LEAD - Packard Plug
Part # 06594

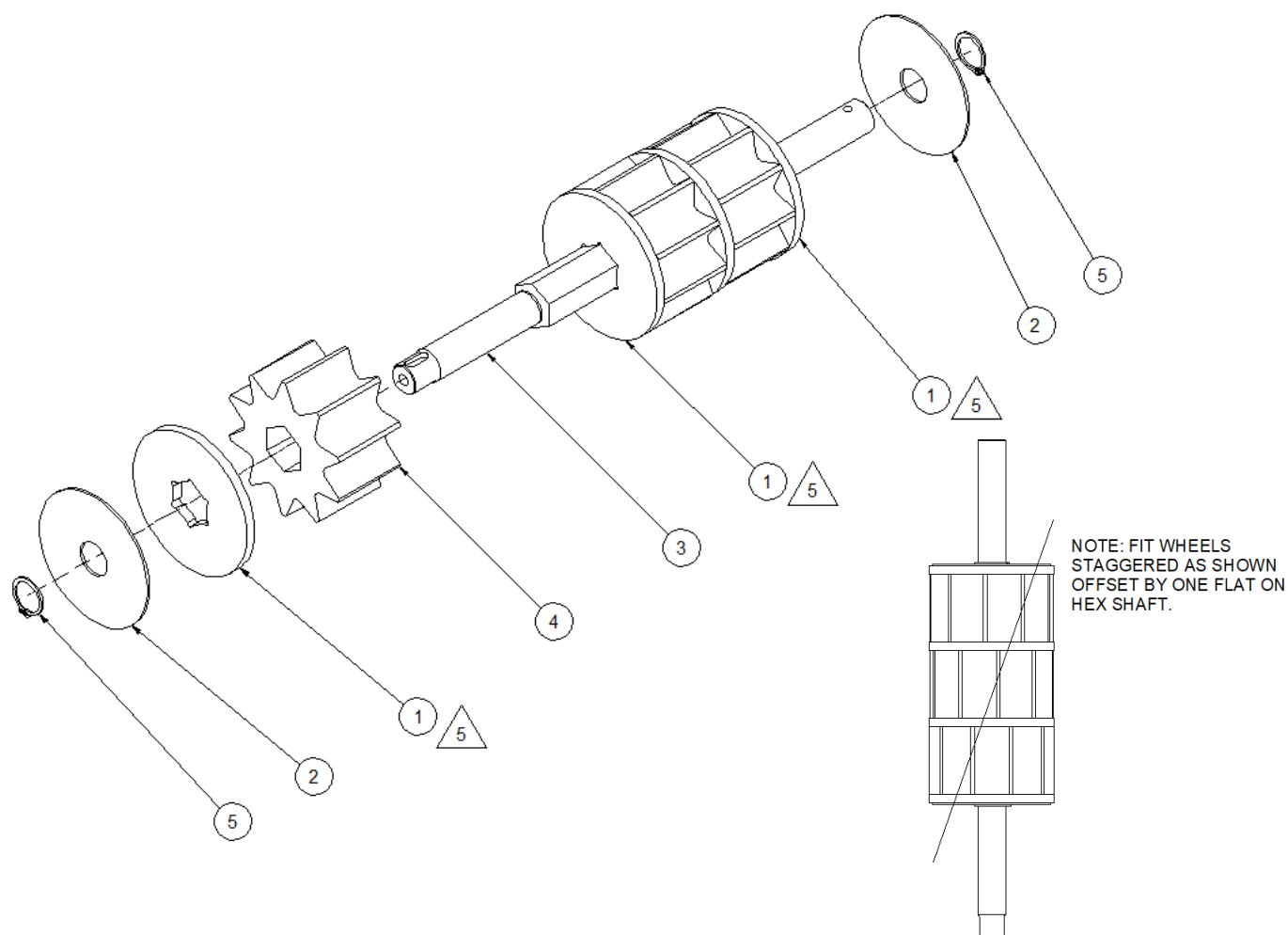


9.3 Hydromotor Drive Adaptor



Item #	Qty	Part #	Description
All	1	27108	HYDROMOTOR DRIVE ADAPTER ASSY - New Type
1	1	27107	HYDROMOTOR DRIVE ADAPTER - Uses M8 x 65mm Bolt
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

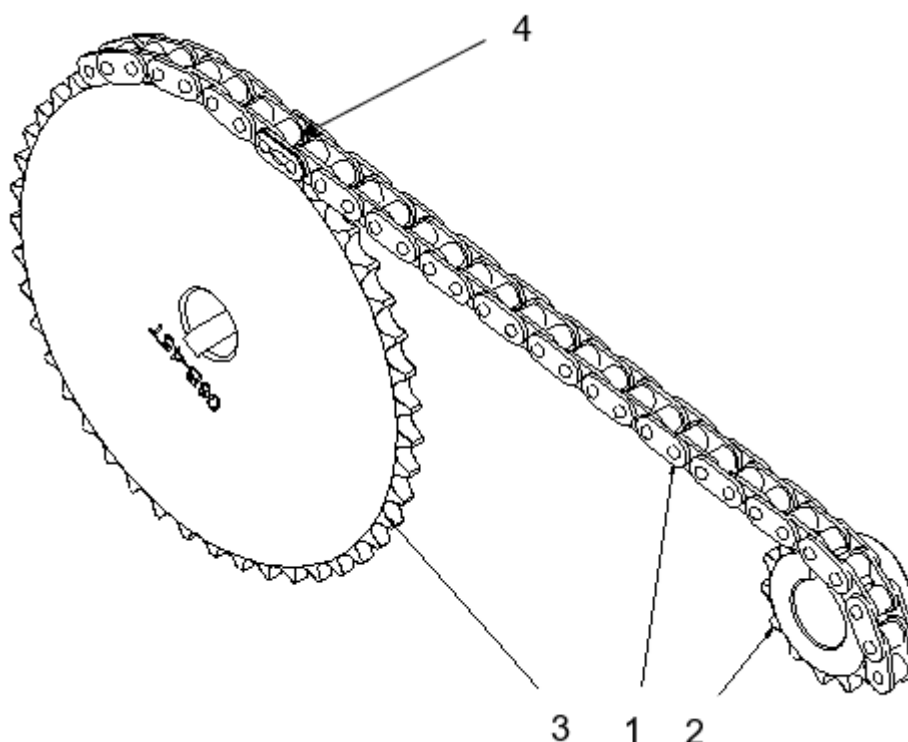
9.4 Metering Unit Wheel Assy



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.

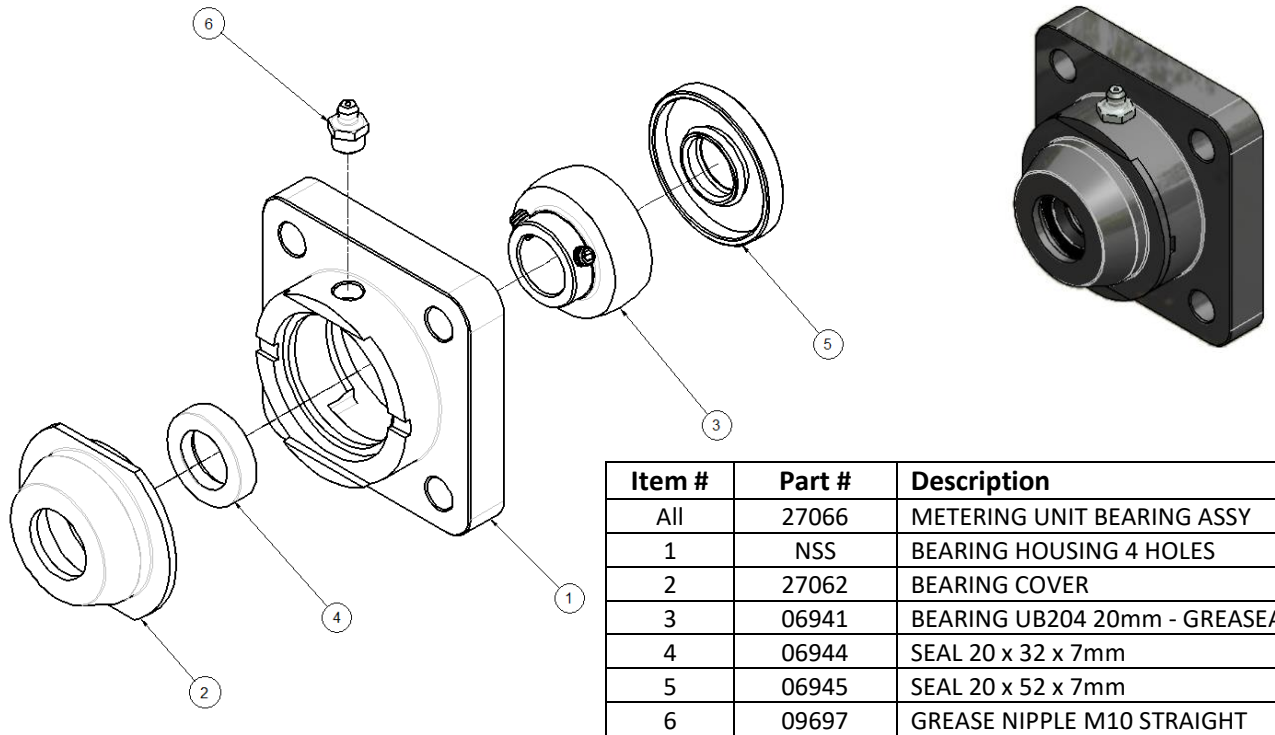
9.5 Metering Unit Chains & Sprockets



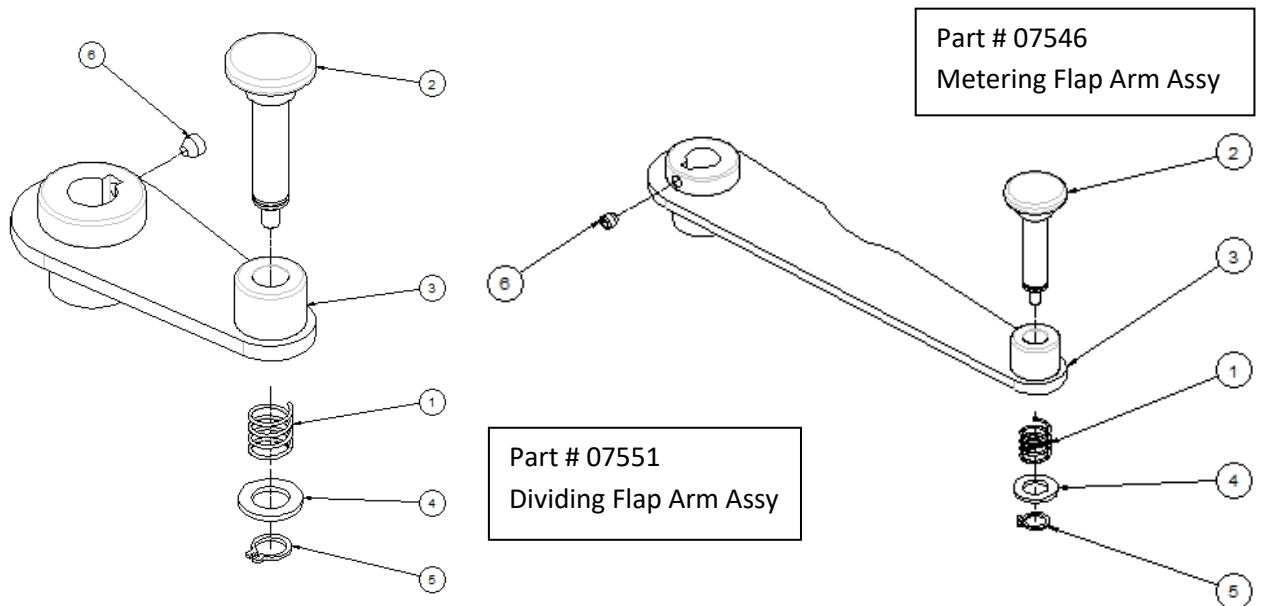
Item #	Qty	Description	Part # Seed	Part # Fertiliser	Part # Slow Speed
ALL	1	KIT, SLOW SPEED DRIVE			08885
1	1	CHAIN WITH MASTER LINK	08098	08099	08883
2	1	SPROCKET MOTOR (DRIVE)			
		17 TEETH	07468		
		20 TEETH		07469	
		13 TEETH			08843
3	1	SPROCKET SHAFT (DRIVEN)			
		38 TEETH	07471		
		20 TEETH	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

9.6 Metering Unit Bearing Assy

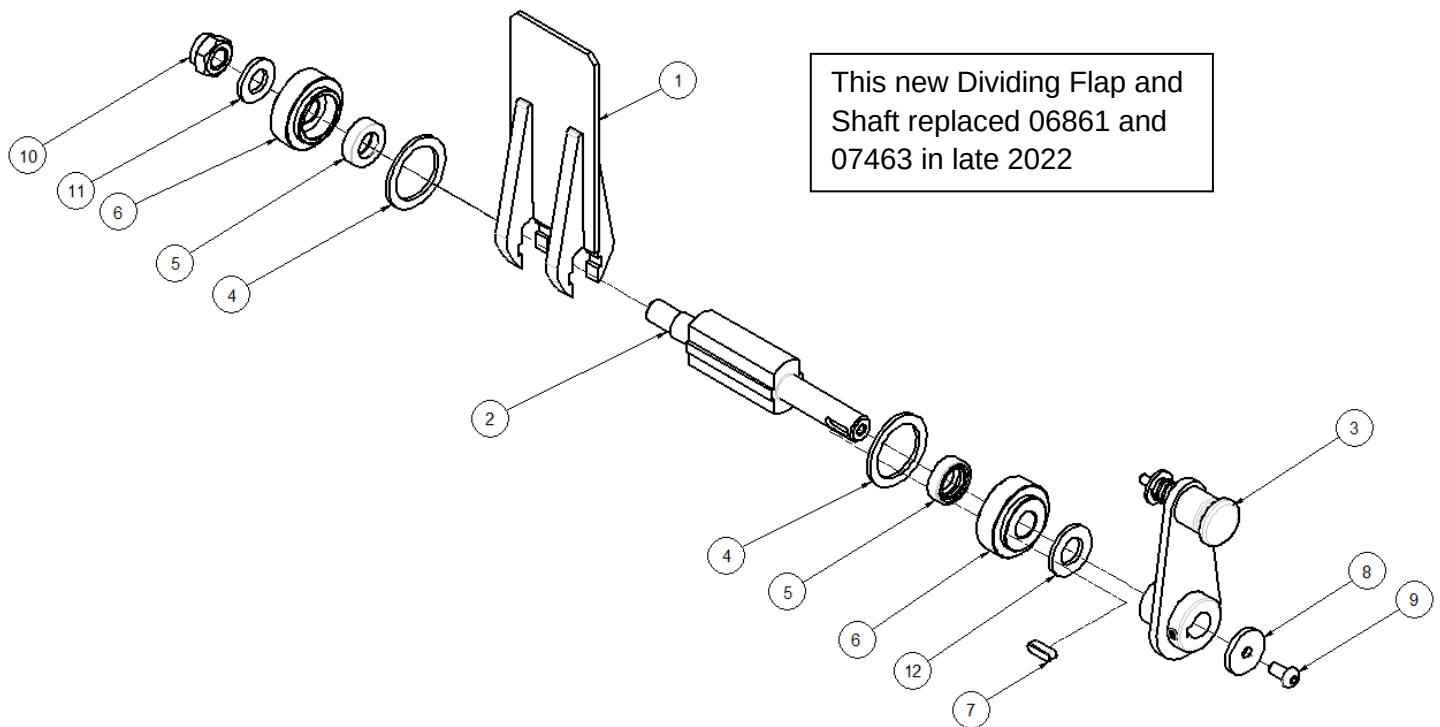


9.7 Metering Dividing Flap Arm Assy



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

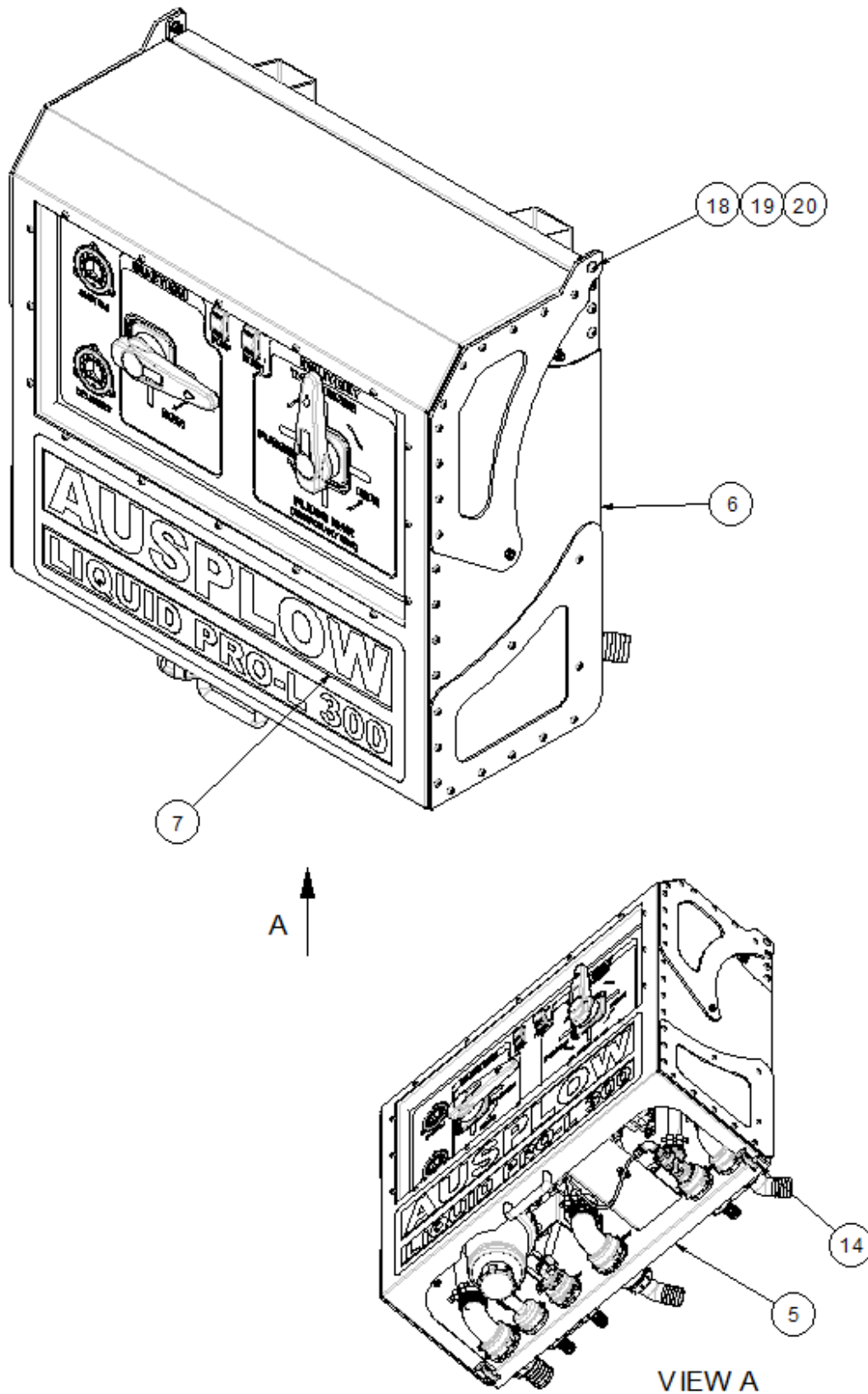
9.8 Metering Flow Divider Assy



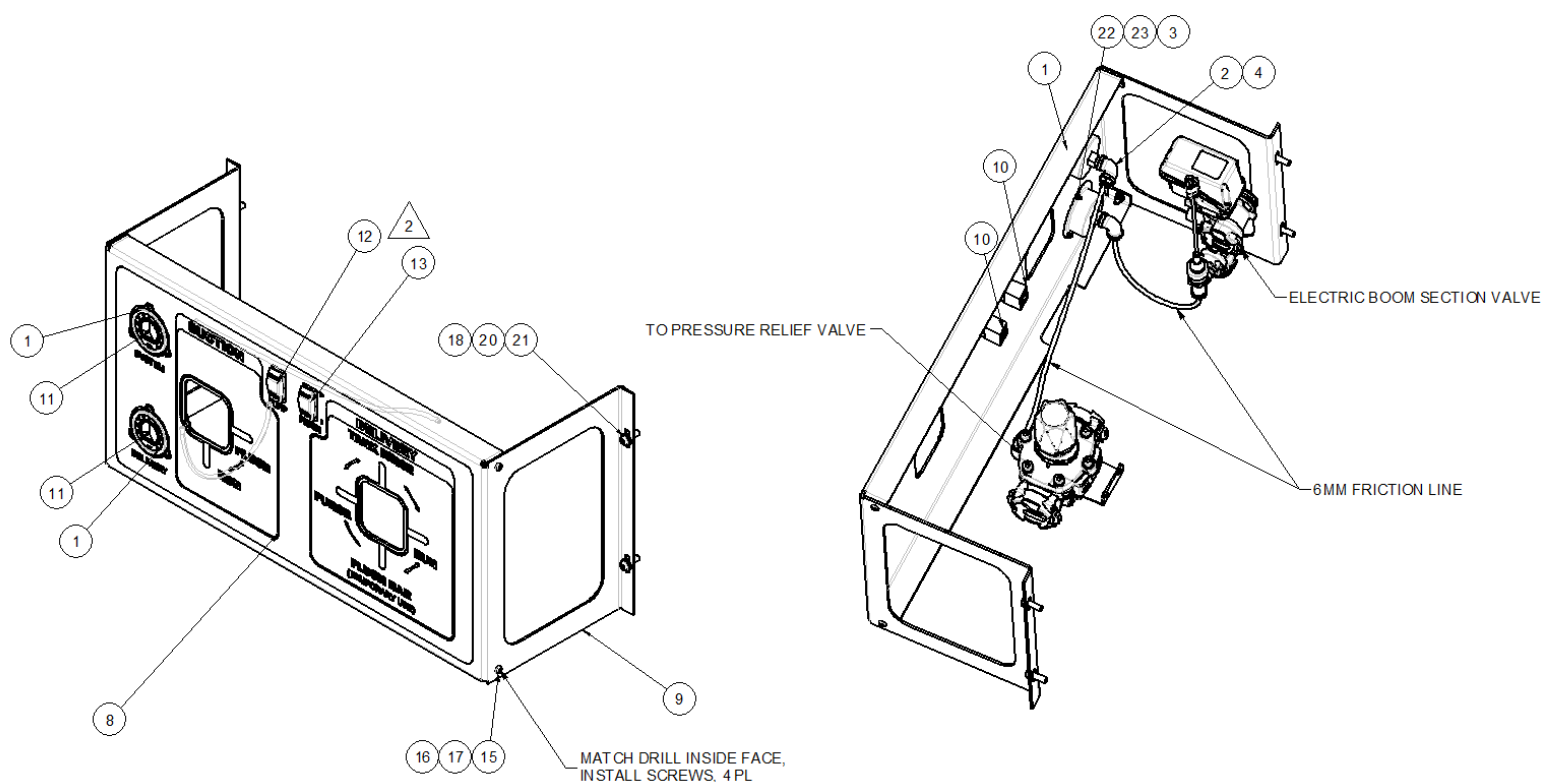
Item #	Qty	Part #	Description
All	1	34137	METERING UNIT FLOW DIVIDER ASSY
1	1	34136	FLOW DIVIDER FLAP
2	1	34131	FLOW DIVIDER SHAFT
3	1	07551	DIVIDING FLAP ARM ASSY
4	2	06860	FLAP GASKET
5	2	06049	SEAL 14 x 24 x 7mm
6	2	06862	BUSH 14mm SHAFT
7	1	09256	KEY SHAFT 5 x 5 x 16mmLG
8	1	07641	CLAMP WASHER 25DiaxM5
9	1	09276	SCREW BTN HEAD SKT M6 x 12mm
10	1	09053	NUT M12 NYLOC
11	1	09108	WASHER FLAT M12
12	1	09259	WASHER FLAT M14

10.0 Liquid System

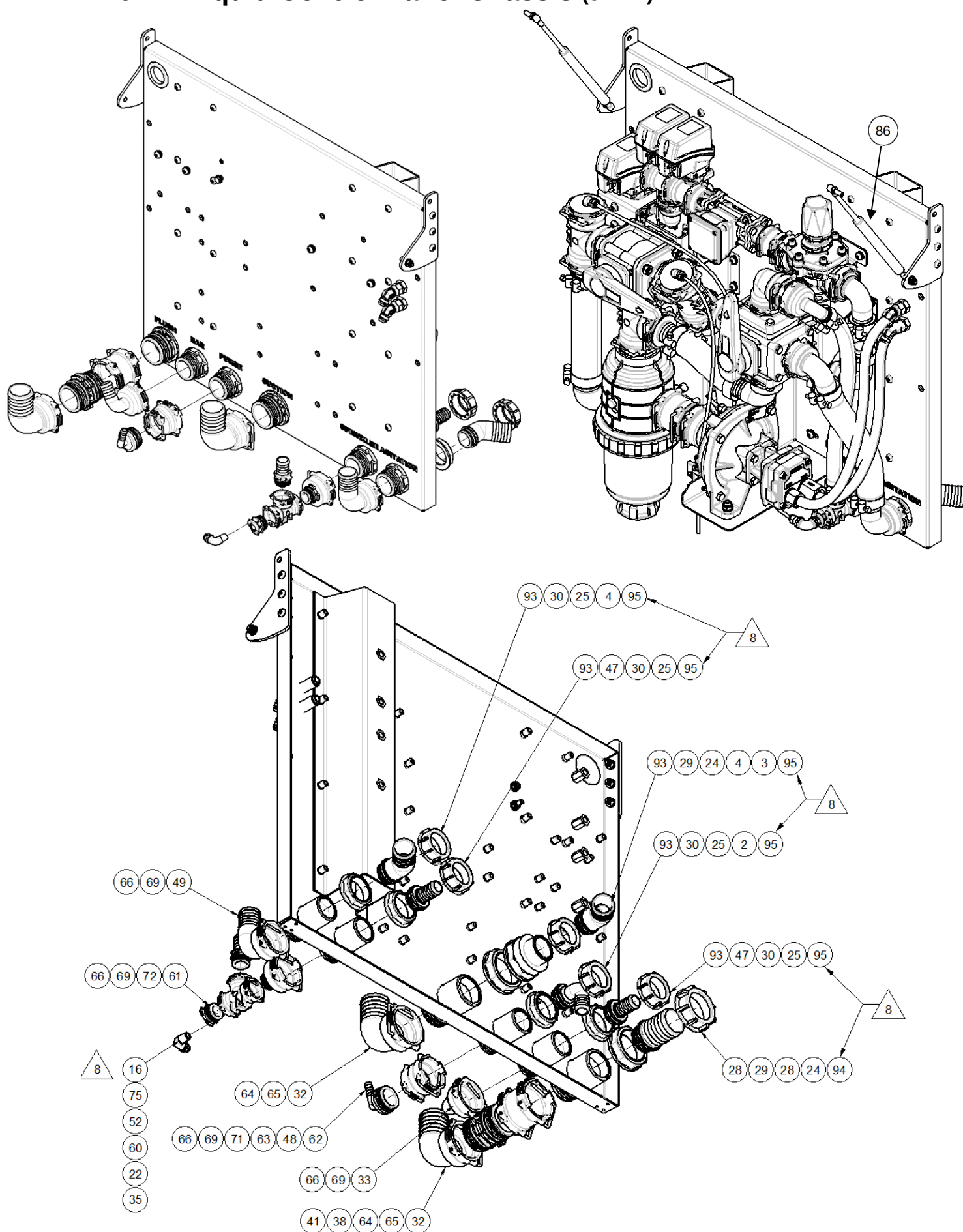
10.1 Liquid Control Panel PRO-L 300



Item #	Qty	Part #	Description
All	1	32151	LIQUID CONTROL PANEL
1	2	31853	PRESS GAUGE 63mm 0-10 Bar SS
2	2	31854	ELBOW ¼ BSP F ¼ BSP F SS
3	6	31885	SCREW BTH HD M3 x 10mm
4	2	11224	ADAPTOR STRAIGHT 6mm PUSH IN ¼ BSP
5	1	32141	LIQUID PANEL CHASSIS
6	1	32144	LIQUID PANEL LID
7	1	32152	DECAL PL-300 LIQUID SYSTEM
8	1	32153	DECAL FLUSH RUN
9	1	32154	LIQUID CABINET PRESSING
10	2	32181	SWITCH CONNECTOR
11	2	32192	DECAL GAUGE 100-500Kpa
12	1	32309	ROCKER SWITCH CARLING
13	1	09866	TOGGLE SWITCH CARLING
14	2	09972	RUBBER LATCH ASSY SS
15	4	09770	SCREW BTN HD M6 x 20mm
16	4	09194	NUT M6 Nylock
17	4	09331	WASHER FLAT M6
18	6	09971	SCREW BTN HD M8 x 25mm
19	4	09277	NUT M8 Nylock
20	8	09106	WASHER FLAT M8
21	4	09105	WASHER SPRING M8
22	6	09958	NUT M3 Nylock
23	6	09973	WASHER FLAT M3



10.2 Liquid Control Panel Chassis (32141)



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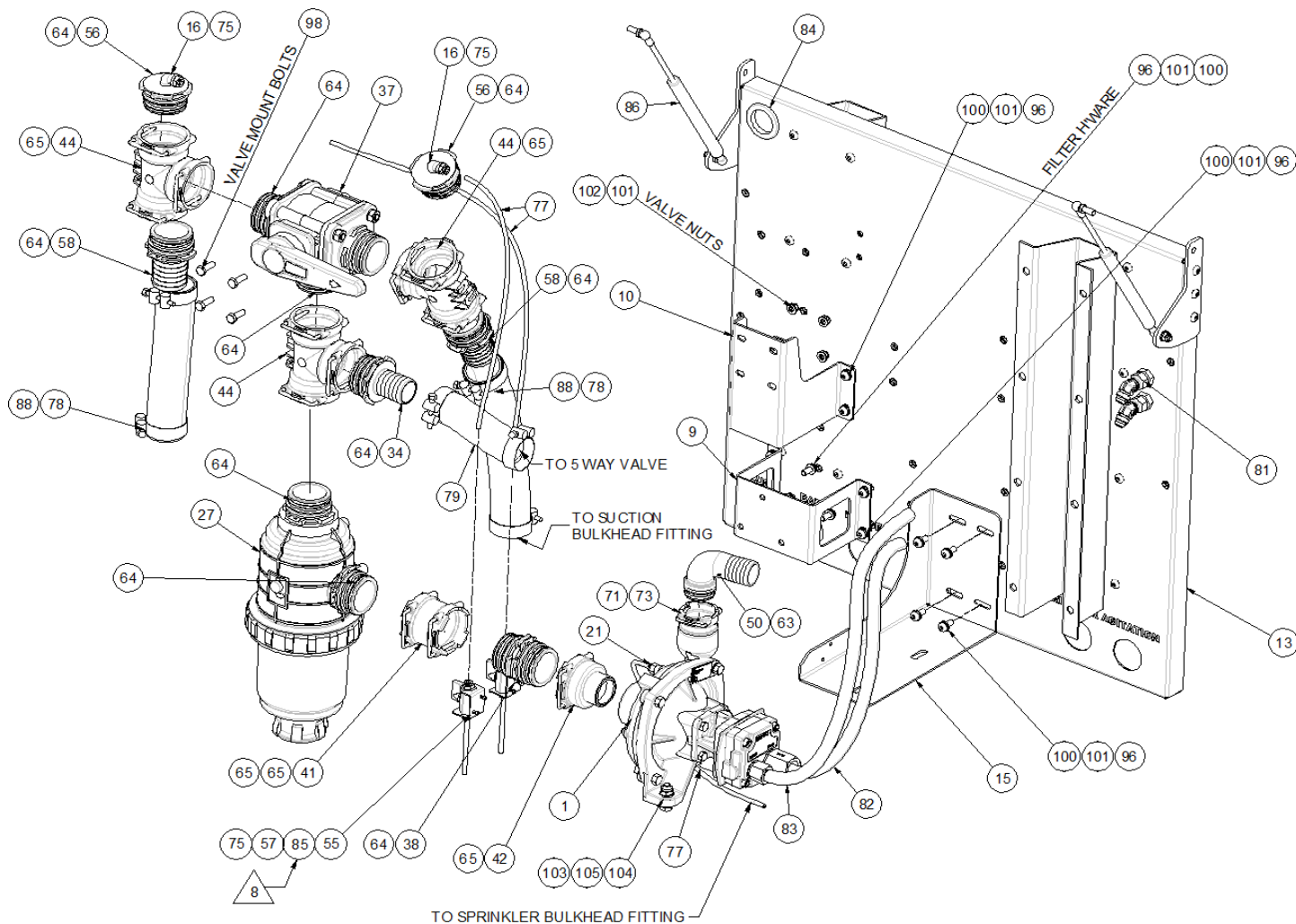
Item #	Qty	Part #	Description
All	1	32141	LIQUID CONTROL PANEL ASSY
1	1	32499	PUMP HYPRO SS 435L/min 6.4 Bar
		13573	SEAL KIT HYPRO PUMP 435L/min
		03039	HYPRO MOTOR PARTS KIT
		13763	IMPELLOR HYPRO PUMP
		13546	HYPRO PUMP MOTOR ONLY – c/w case drain
2	1	32492	HOSETAIL 90 DEG 25mm
3	1	32190	REDUCING NIPPLE G2 F – G1 – 1/2M
4	2	32185	HOSETAIL ELBOW 45 Deg 1 ½” FLYNUT x 40mm
5	1	32184	NIPPLE T6 M/M
6	1	32138	SHUTOFF VALVE
7	1	32136	ELEC PROPORTIONAL VALVE (25 L/min)
	1	34085	ELEC PROPORTIONAL VALVE (60 L/min)
8	1	32127	FLOW TRANSMITTER 2.5 - 50 LPM T5 M – T5 F
9	1	32125	BRACKET SUCTION FILTER
10	1	32124	BRACKET 3 WAY VALVE MOUNT
11	1	32120	MOUNT BRACKET PRESSURE CONTROL VALVE
12	1	32119	5 WAY VALVE MOUNT
13	1	32109	LIQUID CONTROL CABINET ASSY
14	1	32104	BRACKET VALVE SUPPORT
15	1	32103	MOUNT BRACKET PUMP
16	4	32092	ELBOW 90 Deg SS ¼ BSPM – ¼ BSPM
17	1	32089	HOSETAIL STRAIGHT FORK T5F – 38mm
18	1	32087	REDUCING NIPPLE T4 M – T3 M
19	1	32086	ELBOW FORK T4 F – T4 F
20	2	32074	HOSETAIL STRAIGHT FORK T3 M – 13mm
21	1	32066	ADAPTOR STRAIGHT 6mm 1/8” BSP
22	1	32059	ADAPTOR FORK T6F – T3 M
23	2	32028	BULKHEAD FITTING JIC M Size 12
24	2	31989	LOCKING RING 2” BSP
25	4	31988	LOCKING RING 1 ½” BSP
26	1	31943	PRESSURE RELIEF VALVE T6 F 8 Bar
27	1	31938	SUCTION FILTER 50 Mesh T7 M
28	1	31936	FLYNUT 2” BSP
29	2	31935	BULKHEAD T7 M x G2 M
30	4	31934	BULKHEAD T6 M x G1 ½ M
31	1	31932	HOSETAIL ELBOW 90 Deg T6 M – 38mm
32	2	31929	HOSETAIL ELBOW 90 Deg T7 F – 50mm
33	2	31928	HOSETAIL ELBOW 90 Deg T6 F – 25mm
34	1	31927	HOSETAIL STRAIGHT T7 M – 40mm
35	2	31926	HOSETAIL STRAIGHT T3 M – 25mm
36	1	31923	BALL VALVE 5 WAY T6 M 32mm
37	1	31922	BALL VALVE 3 WAY T7 M
38	2	31921	NIPPLE T7 M – T7 M
39	1	31920	REDUCING NIPPLE T6 M – T5 M

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40	1	31919	REDUCING NIPPLE T5 M – T4 M
41	2	31918	SOCKET FORK T7 F – T7 F
42	1	31916	ADAPTOR FORK T7 F – 1 ½ BSP M
43	2	31914	BLANKING PLUG T5 M
44	3	31913	TEE T7 F – T7 F – T7 F
45	1	31912	ELBOW 90 Deg T6 M – T6 F
46	1	31910	STRAIGHT HOSE FITTING 50mm HOSE - T7 M
47	2	31906	STRAIGHT HOSE FITTING 25mm HOSE – T6 M
48	2	31844	SOCKET REDUCING FORK T6 F – T5 F
49	3	31842	HOSETAIL ELBOW FORK T6F – 38mm
50	2	31841	HOSETAIL ELBOW FORK T5 M – 38mm
51	1	31837	SOCKET FORK T5 F – T5 F
52	2	31835	ADAPTOR FORK T3 M – G ¼ F
53	1	31834	CAP FORK T5 F
54	1	31821	SECTION VALVE FORK T5 ON/OFF
55	2	33033	BALL VALVE BRACKET – 1/4" BSP
56	2	33026	PLUG T7M DRILL & TAP
57	2	33024	MINI BALL VALVE F/F SS – 1/4" BSP
58	2	32391	HOSETAIL STRAIGHT T7M-50mm
59	2	31198	NIPPLE T3 M/M
60	3	31197	TEE T3 F/F
61	12	31196	O’RING T3 x 25.07 ID x 2.62mm Viton
62	2	30582	HOSETAIL ELBOW 90 Deg FORK T5 M – 13mm
63	9	30317	O’RING T5 x 36.1 ID x 3.53mm Viton
64	32	28816	O’RING T7 FORK COUPLING Viton
65	16	28815	FORK T7 FITTINGS
66	11	28762	FORK T6 FITTINGS
67	2	28761	FORK T4 FITTINGS
68	2	28721	O’RING T4 FORK COUPLING Viton
69	14	28720	O’RING T6 FORK COUPLING Viton
70	1	28712	ELBOW FORK T6 F – T6 F
71	8	28650	FORK T5 FITTINGS
72	9	28648	FORK T3 FITTINGS
73	1	28636	ADAPTOR FORK T5 F – 1 ¼" BSP M
74	1	27952	LIQUID PRESS SENSOR
75	9	11224	ADAPTOR STRAIGHT 6mm ¼" BSP
76	1	10912	HOSE PRESSURE 38mm ID x 2m LG
77	1	10677	FRICTION FLOW TUBE 6mm OD x 2mm ID x 0.5m LG
78	4	09984	HOSE CLAMP T BOLT 56-59mm SS
79	8	09983	HOSE CLAMP T BOLT 48-51mm SS
80	4	09981	HOSE CLAMP T BOLT 32-35mm SS
81	2	09978	ELBOW 12 JIC F-M 45 Deg 290mm
82	1	09977	HYD RETURN HOSE ASSY 330mm
83	1	09976	HYD PRESSURE HOSE ASSY
84	1	09975	BLANKING GROMMET 39mm ID
85	4	09123	RIVET 4mm (5/32") x 8mm SS

86	2	09931	GAS STRUT 8mm x 405mm LG
87	4	09077	HOSE CLAMP 11-25 SS
88	1	05567	HOSE SUCTION 50mm ID x 1m LG
89	1	05563	HOSE PRESSURE 25mm ID x 1m LG
90	1	05380	HOSE PRESSURE 13mm x 1m LG
91	1	04225	TEE ¼" BSP SS
92	1	04222	NIPPLE ¼" BSP SS
93	5	04185	FLYNUT 1 ½" BSP
94	2	09293	O-RING 39.4 x 2.6 VITON
95	5	09588	O-RING 29.2 x 3.0 VITON
96	22	09882	SCREW BTN HD M8 x 20mm
97	6	09971	SCREW BTN HD M8 x 25mm
98	4	09103	BOLT M8 x 25mm
99	6	09114	BOLT M8 x 30mm
100	25	09105	WASHER SPRING M8
101	48	09106	WASHER FLAT M8
102	14	09277	NUT M8 Nylock
103	2	09457	BOLT M10 x 35mm
104	4	09097	WASHER FLAT M10
105	2	09368	NUT M10 Nylock

SUCTION/PUMP COMPONENTS

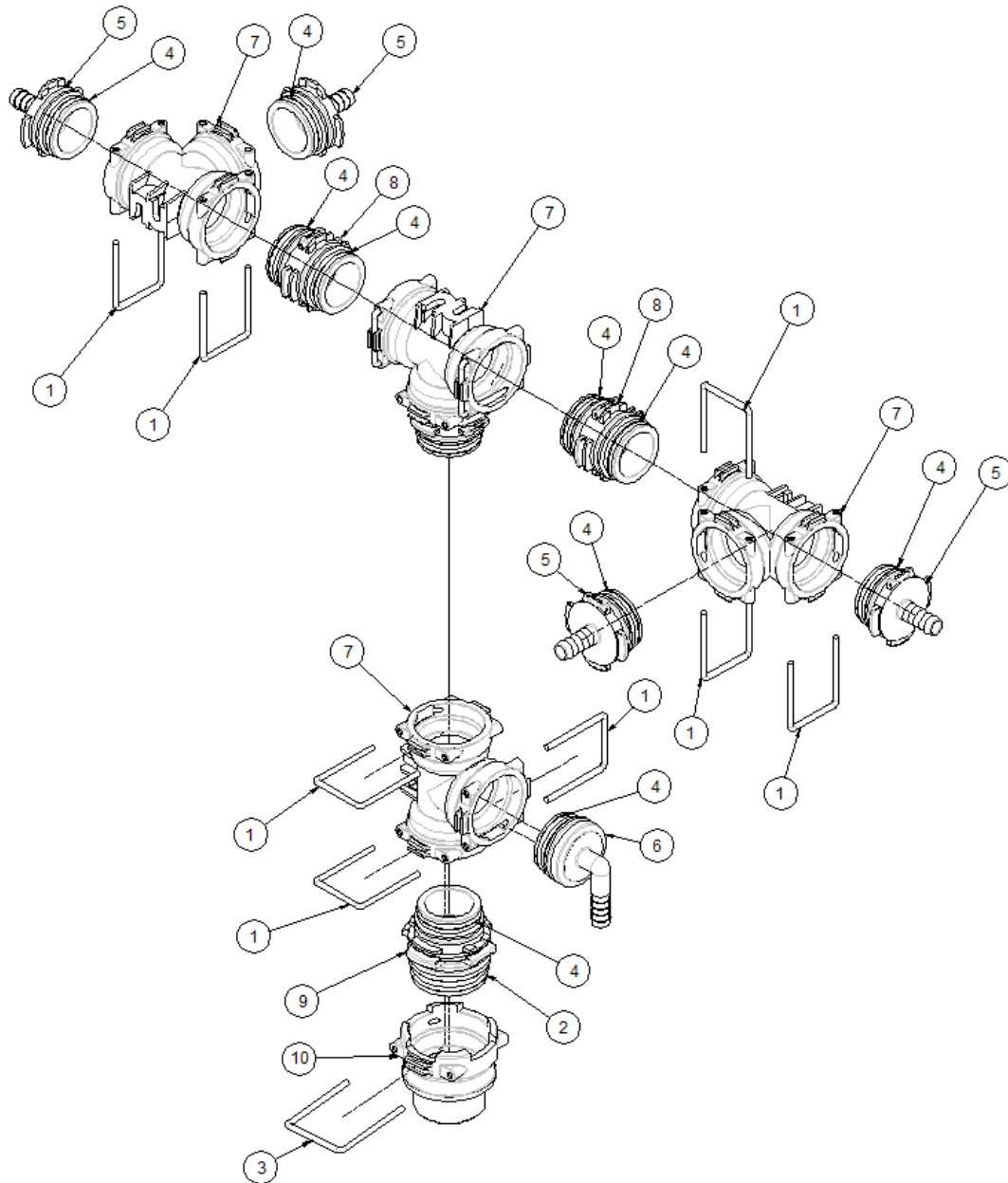




This diagram shows the rear panel assembly in an exploded view. It includes the rear panel, mounting brackets, and various fasteners (screws, bolts, and nuts) used to secure the panel to the chassis. The panel features a large cutout for the power supply and several smaller cutouts for connectors. The mounting brackets are designed to hold the panel in place and provide a secure connection to the chassis.

10.3 Agitation System

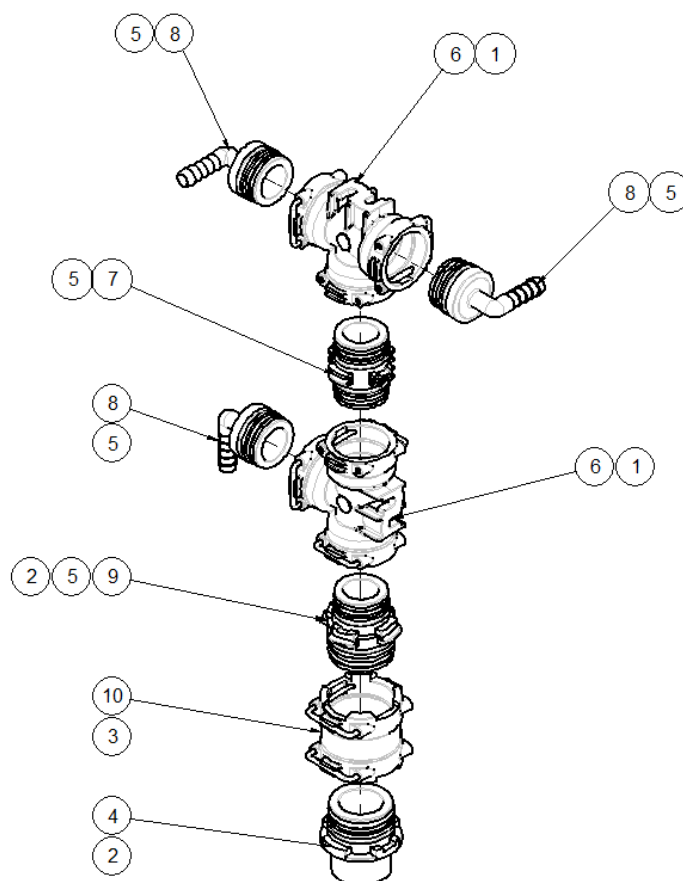
10.3.a Agitation Tree - 4500L Tanks



Item #	Qty	Part #	Description
All	1	31520	LIQUID AGITATION TREE - 4500L TANKS
1	12	28650	FORK T5 FITTINGS
2	1	28720	T6 FORK COUPLING
3	1	28762	T6 FORK FITTING
4	12	30317	O RING T5 x 36.10 ID x 3.53 VITON
5	4	30581	HOSETAIL T5M x 13mm DIA
6	1	30582	ELBOW 90DEG x T5M x 13mm DIA
7	4	30583	TEE T5 F/F
8	3	30585	NIPPLE T5 MM

9	1	31920	REDUCING NIPPLE T6M-T5M
10	1	32226	ADAPTOR FORK T6F – 1/1/2 BSPM
NOTE	2,3,4,9,10	30584	BULKHEAD T5M x G 1-1/4" M - This was used on Pre 2018 series II machines instead of items 2,3,4,9,10

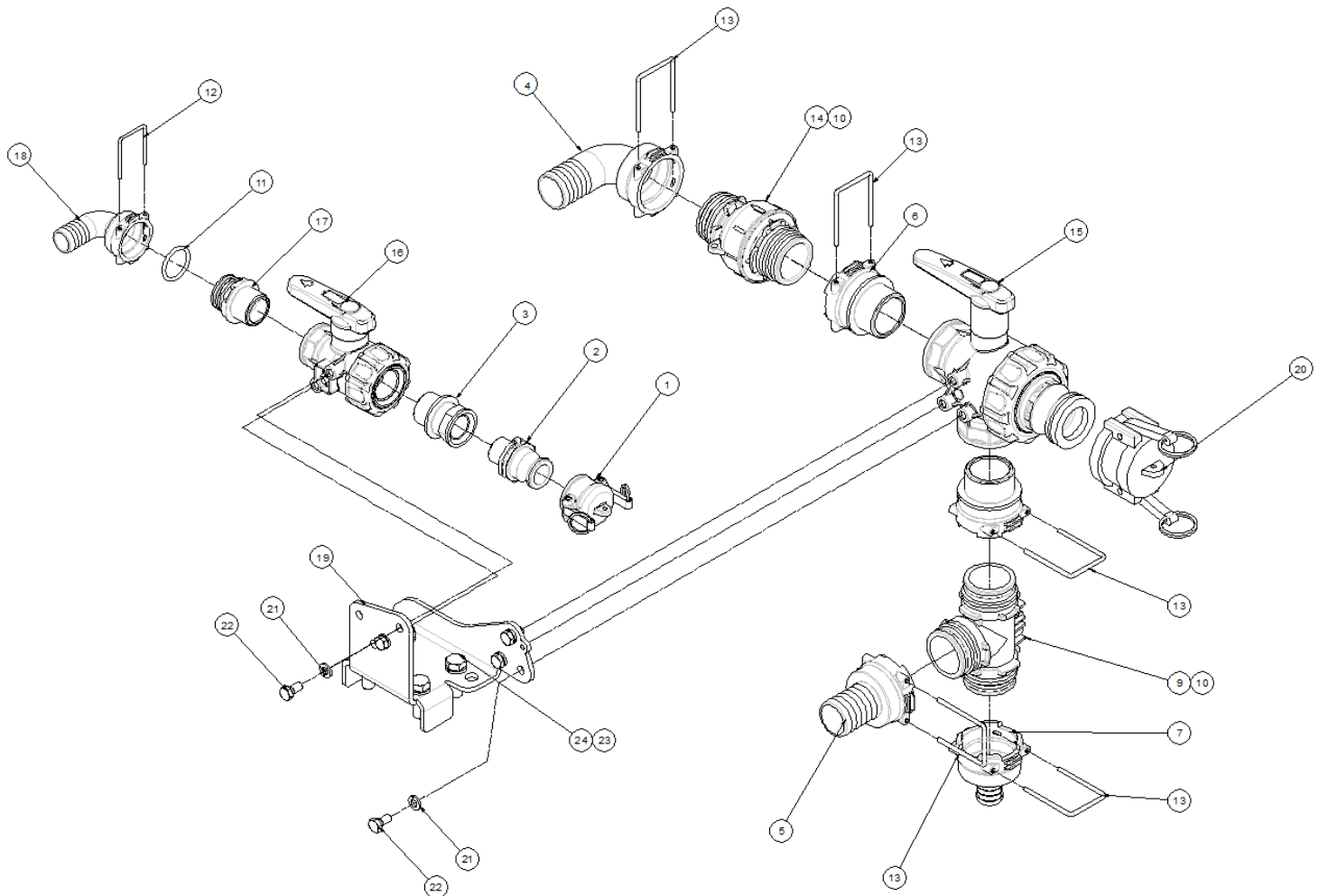
10.3.b Agitation Tree – 2000 & 3000L Tanks



Item #	Qty	Part #	Description
All	1	33366	LIQUID AGITATION TREE - 3000 & 2000L TANKS (was 31195)
1	6	28648	FORK T3 FITTINGS
2	2	28721	O RING T4 FORK COUPLING VITON
3	2	28761	FORK T4 FITTING
4	1	28771	ADAPTOR FORK T4M – 1" BSPM
5	6	31196	O RING T3 x 25.07 ID x 2.62 VITON
6	2	31197	TEE T3 F/F
7	1	31198	NIPPLE T3 M/M
8	3	31199	ELBOW 90 DEC x T3M x 10mm DIA
9	1	32087	REDUCING NIPPLE T4M-T3M
10	1	33331	SOCKET FORK T4F-T4F

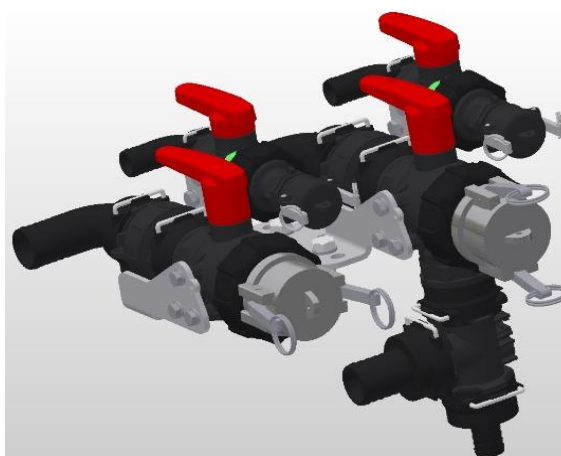
10.4 Liquid Outlet

10.4.a Liquid Outlet – With Flush Tank



Item #	Qty	Part #	Description
All	1	28718	REAR DELIVERY & FLUSH ASSY (2019 version)
1	1	31189	CAMLOCK DUST CAP ¾"
2	1	31190	CAMLOCK ¾" BSP M - 3/4"M
3	1	31192	REDUCER NIPPLE 1"M - 3/4"F
4	1	31842	HOSETAIL ELBOW T6F – 38mm
5	1	31843	HOSETAIL STRAIGHT T6F – 38mm
6	2	32226	ADAPTOR FORK T6 F 1 ½" BSP M
7	1	32797	HOSETAIL STRAIGHT FORK T6F – 25mm
8	2	26355	CHAIN SS
9	1	28716	TEE FORK T6 M – T6 M – T6M
10	5	28720	O RING T6 VITON
11	1	28721	O RING T4 VITON
12	1	28761	FORK T4 FITTING

13	5	28762	FORK T6 FITTING
14	1	28766	FOOT VALVE FORK T6M-T6M
15	1	28767	BALL VALVE 3 WAY 2" CAMLOCK M 1 ½" BSPF - F
16	1	28770	BALL VALVE 2 WAY 1" BSP F – 1" BSP F
17	1	28771	ADAPTOR FORK T4 M – 1" BSP M
18	1	28772	HOSETAIL ELBOW T4 F 25mm
19	1	28773	REAR DELIVERY BRACKET
20	1	04202	CAMLOCK DUST CAP 1 ½"
21	5	09105	WASHER SPRING M8 SS
22	5	09111	SCREW HEX M8 x 16 SS
23	4	09117	WASHER SPRING M12 SS
24	4	09121	SCREW HEX M12 x 35mm SS

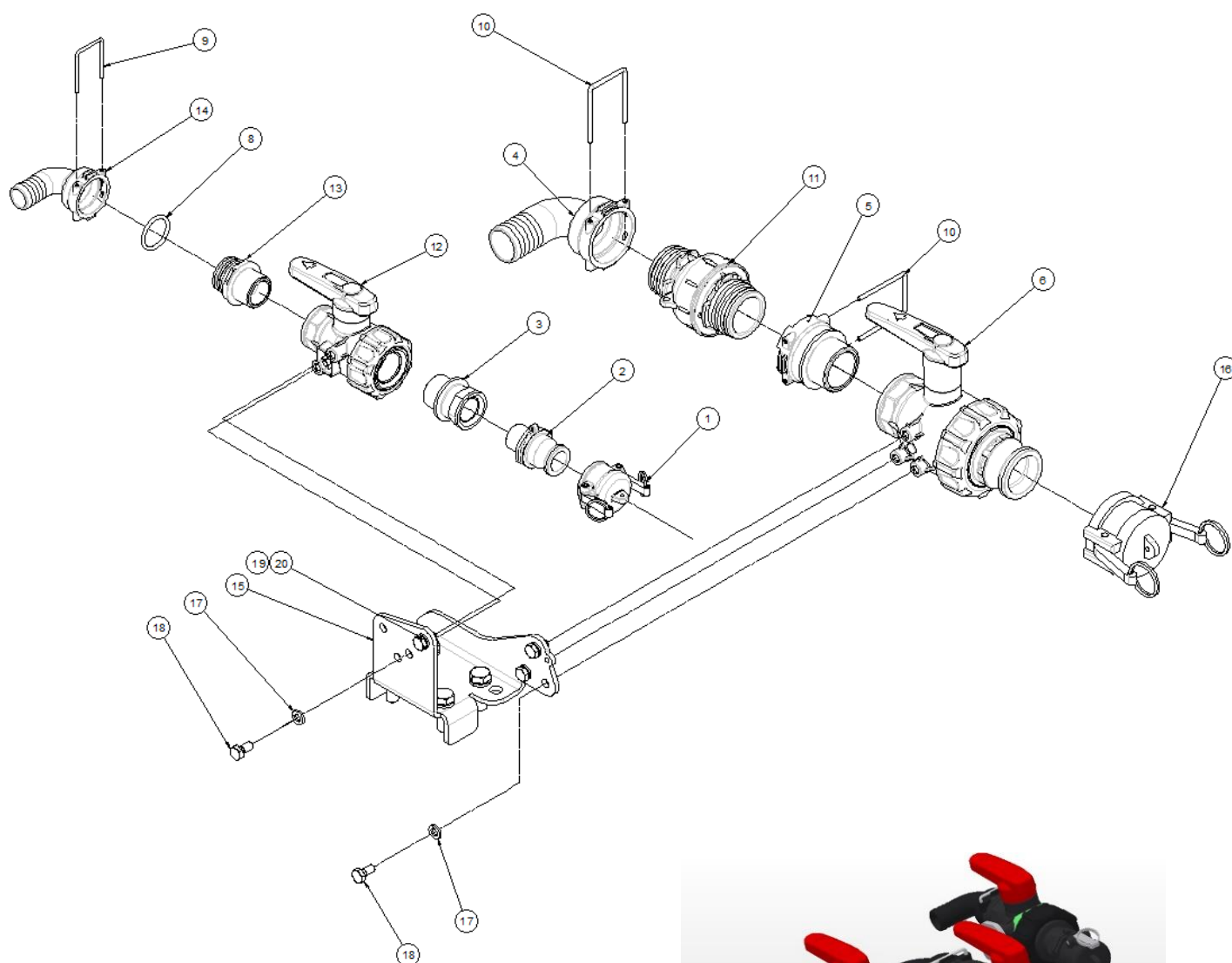


Dual Liquid Assy (32776)

10.4.b Liquid Outlet – Without Flush Tank

Item #	Qty	Part #	Description
All	1	32460	REAR DELIVERY & FLUSH ASSY – NO FLUSH TANK
1	1	31189	CAMLOCK DUST CAP ¾"
2	1	31190	CAMLOCK ¾" BSP M - 3/4"M
3	1	31192	REDUCER NIPPLE 1"M - 3/4"F
4	1	31842	HOSETAIL ELBOW T6F – 38mm
5	1	32226	ADAPTOR FORK T6F 38mm
6	1	32414	BALL VALVE 2 WAY 1.5" BSPF
7	2	26355	CHAIN SS
8	1	28721	O RING T4 VITON
9	1	28761	FORK T4 FITTING
10	2	28762	FORK T6 FITTING
11	1	28766	FOOT VALVE FORK T6M-T6M

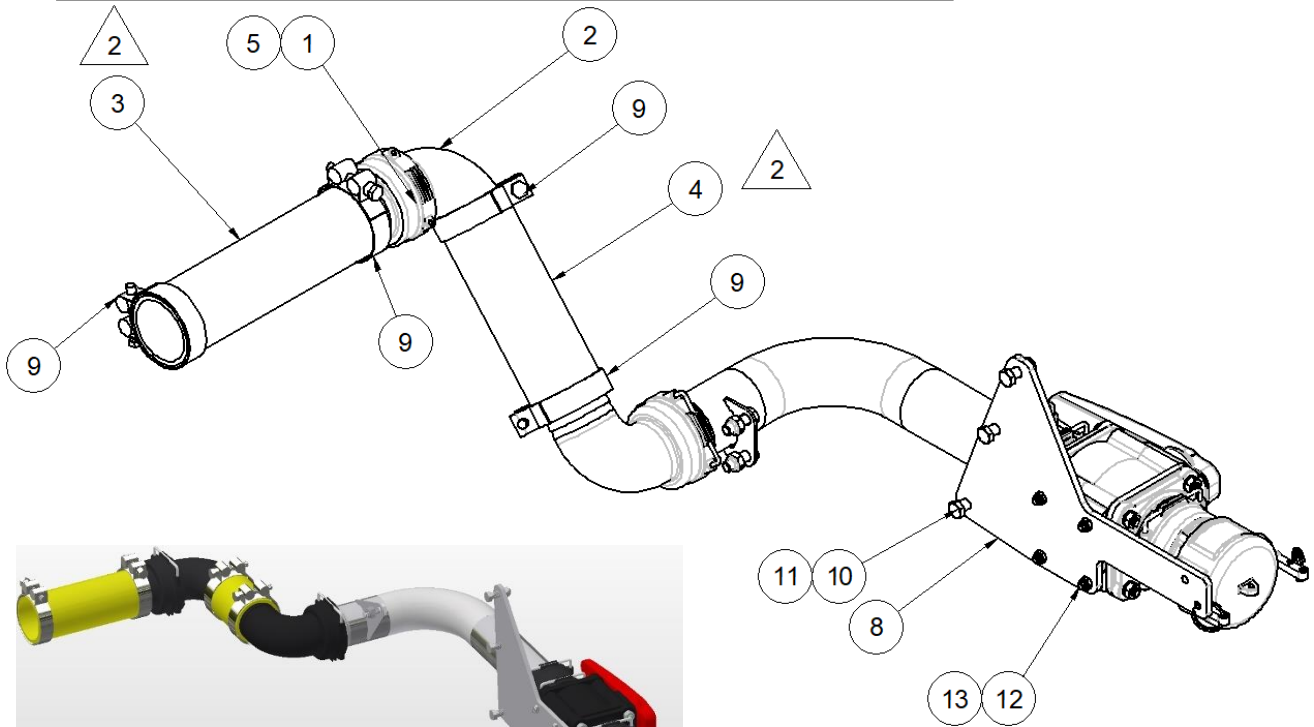
12	1	28770	BALL VALVE 2 WAY 1" BSP F – 1" BSP F
13	1	28771	ADAPTOR FORK T4 M – 1" BSP M
14	1	28772	HOSETAIL ELBOW T4 F 25mm
15	1	28773	REAR DELIVERY BRACKET
16	1	04202	CAMLOCK DUST CAP 1 ½"
17	5	09105	WASHER SPRING M8 SS
18	5	09111	SCREW HEX M8 x 16 SS
19	4	09117	WASHER SPRING M12 SS
20	4	09121	SCREW HEX M12 x 35mm SS



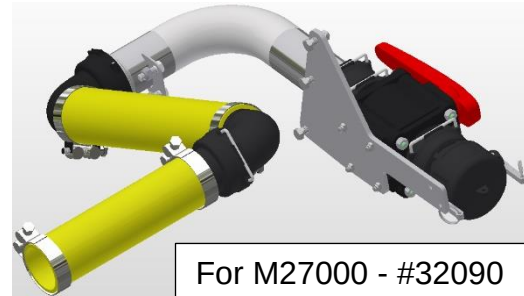
Dual Liquid Assy (32781)

10.5 High Flow 3" Fill Assembly – Rear Tank

For all TBT models except M14000, M27000 & M28000 TBT

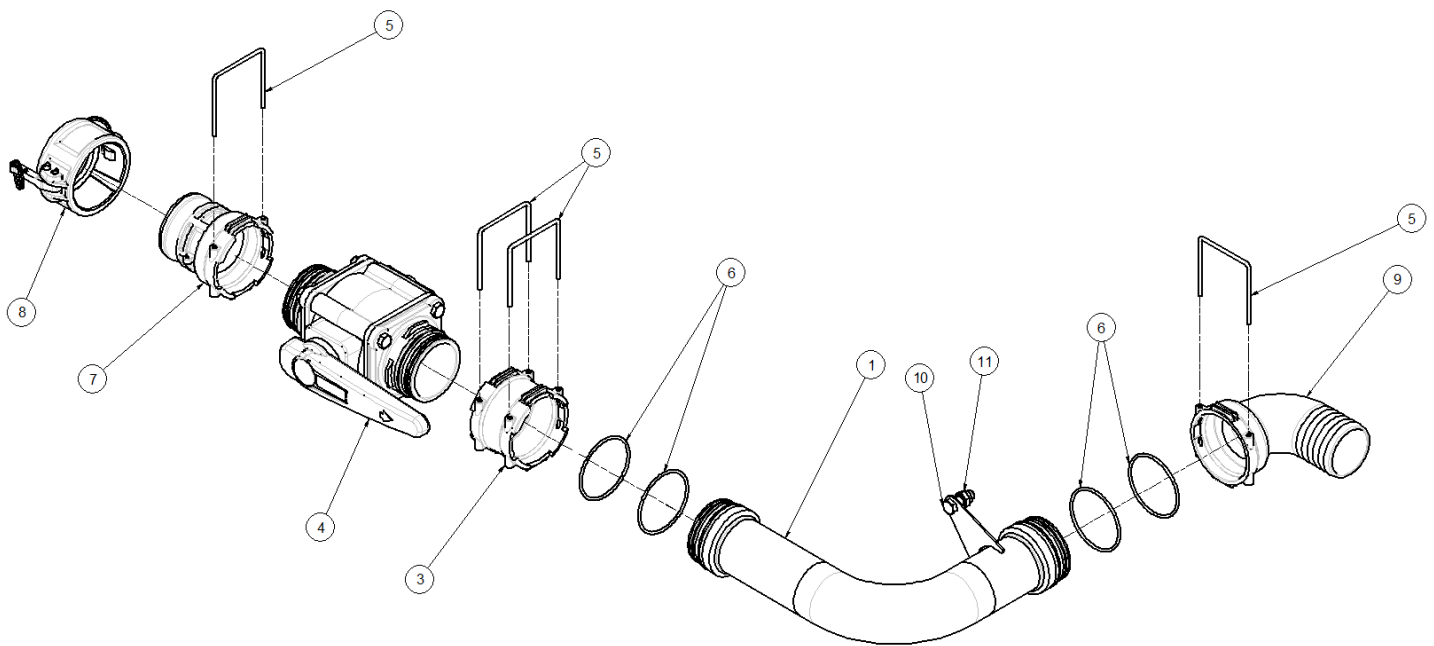


For M14000 TBT - #33620
(Not shown #33794 for
M14000TBH)



For M27000 - #32090

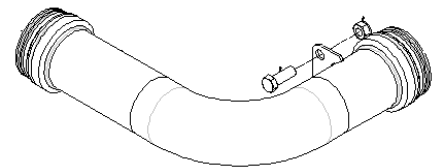
Item #	Qty	Part #	Description
All	1	32687	FILL LINE ASSY 3" - REAR TANK (replaces 30498)
1	1	30312	HOSETAIL STRAIGHT T9 F – 75mm
2	1	30387	HOSETAIL ELBOW 90 Deg FORK T9 M – 75mm
3	1	33062	HOSE HD SUCTION 76 ID x 320mm LG
4	1	33289	HOSE HD SUCTION 76 ID x 260mm LG
5	1	28651	FORK T9 FITTING
6	2	28655	O’RING T9 FORK COUPLING
7	1	28687	HIGH FLOW FILL LINE
8	1	28691	3" DOUBLE FILL BRACKET
9	4	09965	HOSE CLAMP T BOLT 89-94 SS
10	3	33811	BOLT M12 x 45 mm
11	3	09053	NUT M12 Nylock SS
12	4	09114	SCREW M8 x 30mm SS
13	4	09277	NUT M8 Nylock SS



High flow fill line assy 3" for M14000 is #33619
and 3" fill line bend assy is #28617

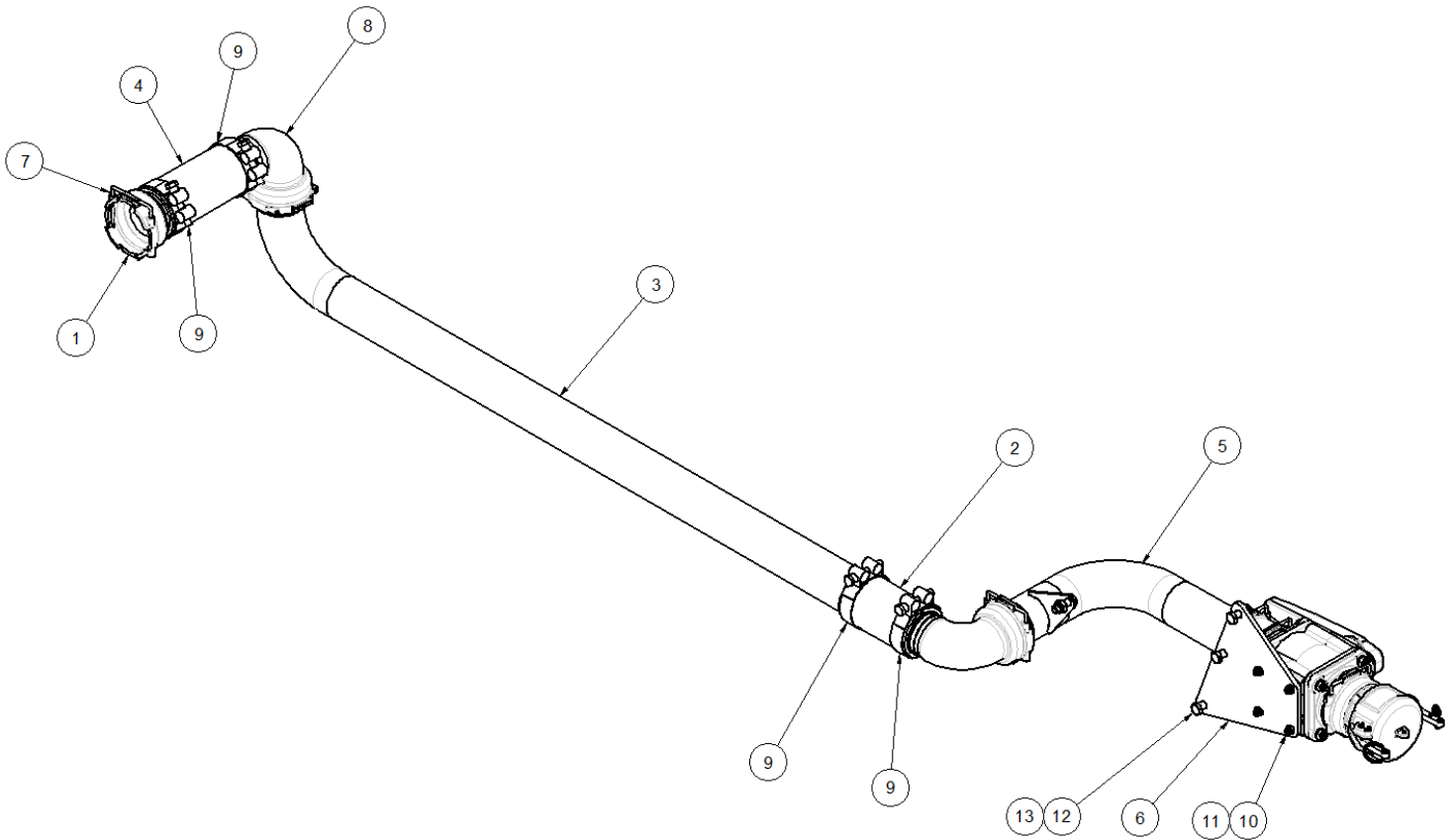


33936 - 3" FILL LINE BEND ASSY (TOP)



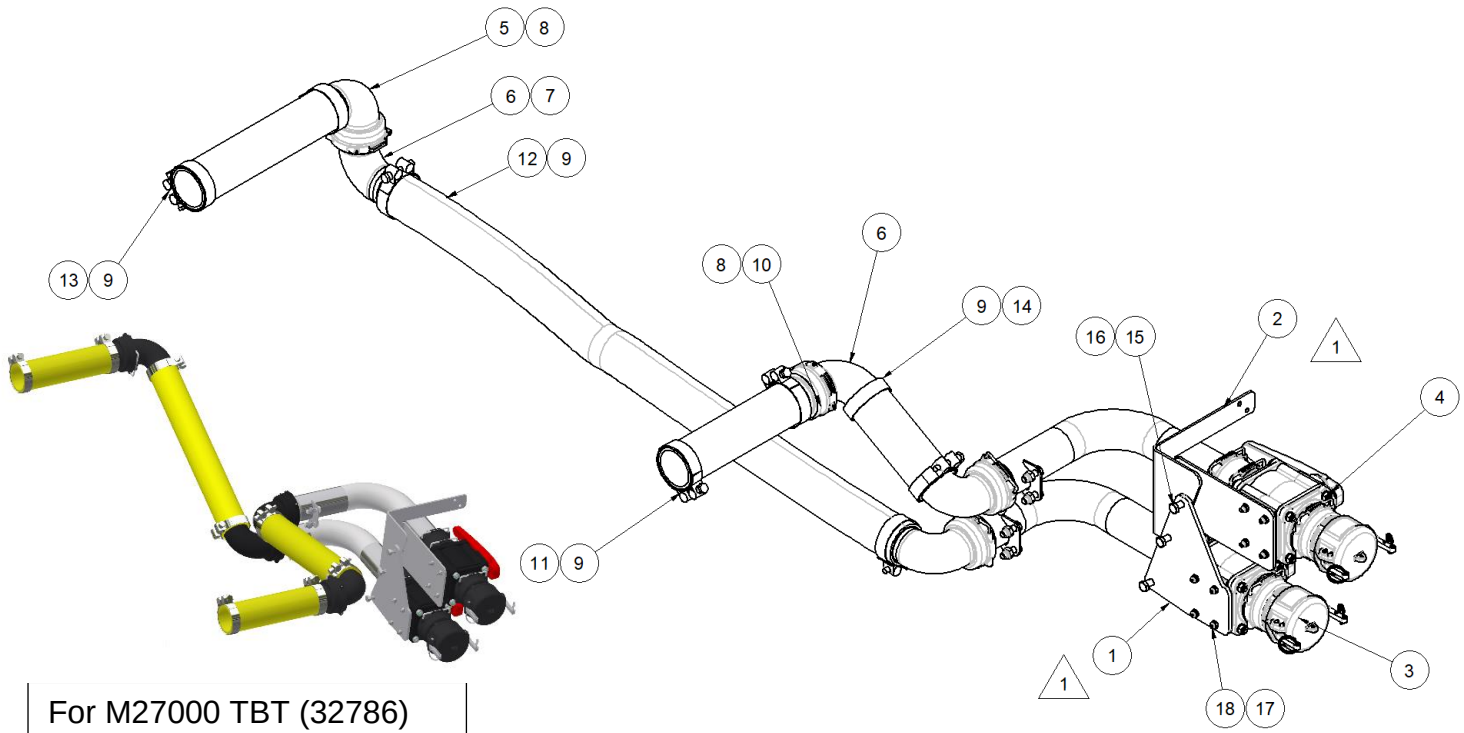
Item #	Qty	Part #	Description
All	1	32363	HIGH FLOW FILL LINE 3"
1	1	32361	3" FILL LINE BEND (now replaced with 33936)
		28617	3" FILL LINE BEND ASSY (early version shown in 28687 assy)
2	1	26355	CHAIN SS 270mm LG
3	1	28637	SOCKET FORK T9F – T9F
4	1	28638	BALL VALVE 2 WAY T9M – T9M
5	4	28651	FORK T9 FITTING
6	4	28655	O RING T9 COUPLING VITON
7	1	28688	CAMLOCK FORK T9F – 3"M
8	8	28689	CAMLOCK DUST CAP 3"F
9	1	28690	HOSETAIL ELBOW FORK T9F – 75mm
10	1	09121	BOLT HEX M12 x 35mm
11	1	09053	NUT Nyloc M12

10.6 High Flow 3" Fill Line – Second Rear Tank



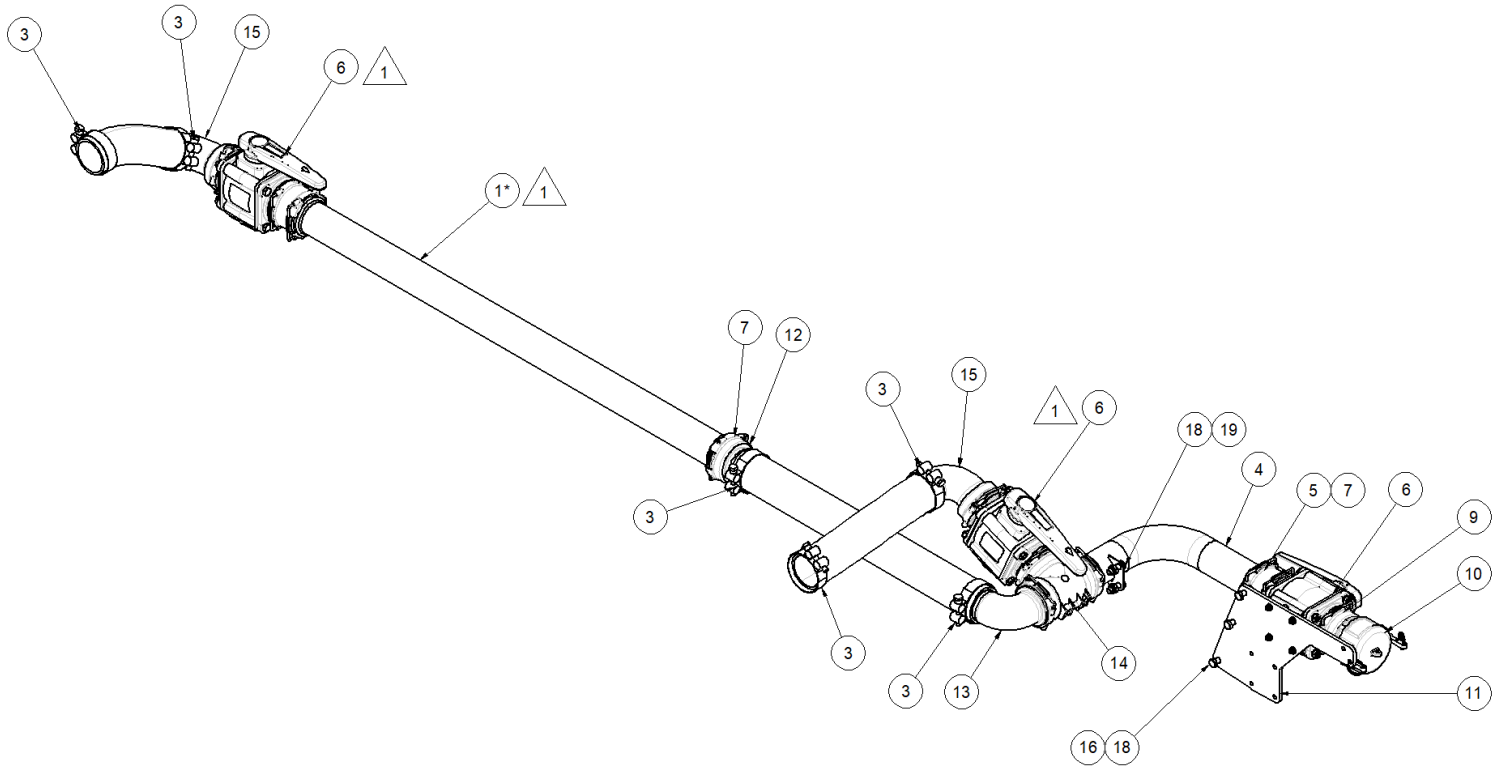
Item #	Qty	Part #	Description
All	1	32333	HIGH FLOW FILL LINE ASSY 3" - SECOND BAY
1	1	30312	HOSETAIL STRAIGHT T9 F – 75mm
2	1	32255	HOSE HD SUCTION 76 ID x 150mm LG
3	1	32338	3" FILL LINE LONG LINE BEND
4	1	32357	HOSE HD SUCTION 76 ID x 200mm LG
5	1	32363	HF FILL LINE ASSY 3"
6	1	32365	3" FILL LINE BRACKET
7	2	28651	FORK T9 FITTING
8	1	28690	HOSETAIL ELBOW FORK T9F – 75mm
9	4	09965	HOSE CLAMP T BOLT 89-94 SS
10	4	09114	SCREW M8 x 30mm SS
11	4	09277	NUT M8 Nylock SS
12	3	33811	BOLT M12 x 45 mm
13	3	09053	NUT M12 Nylock SS

10.7 High Flow 3" Fill Line – Dual Liquid



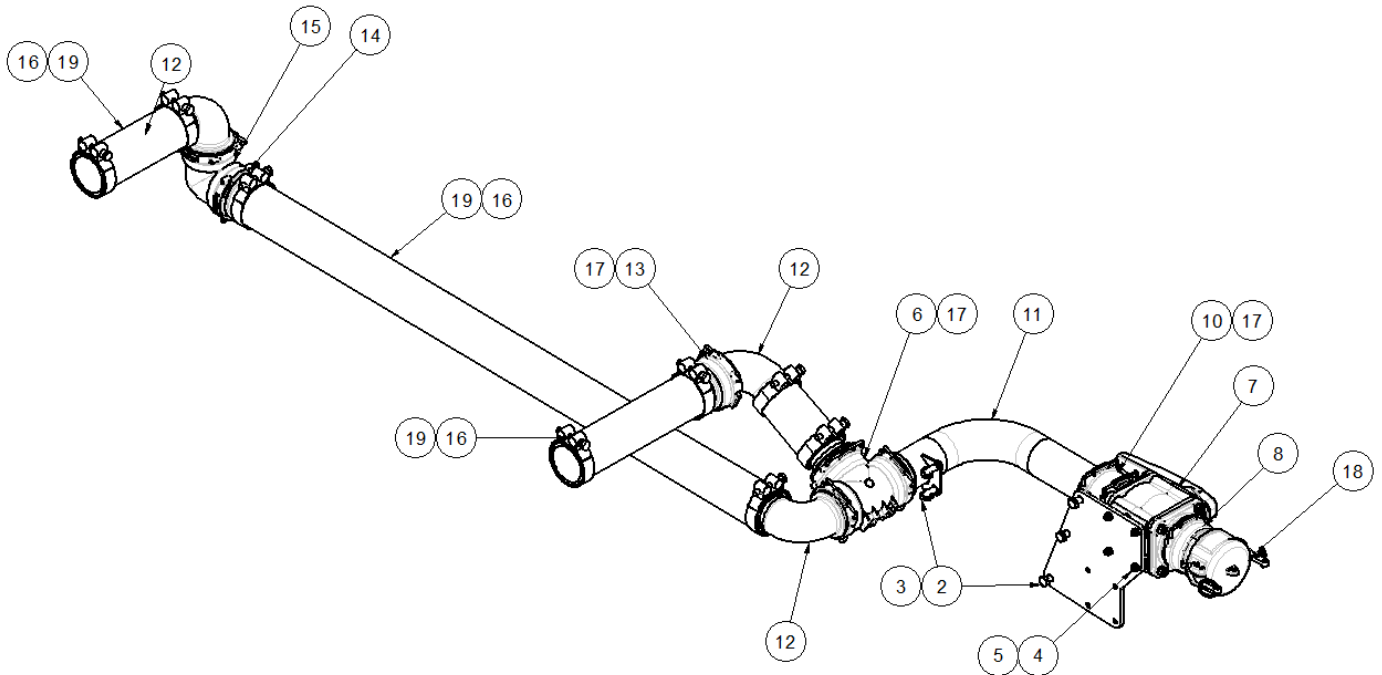
Item #	Qty	Part #	Description
All	1	32789	HIGH FLOW FILL LINE ASSY 3"- DUAL LIQUID FOR M18000 TBT AND ABOVE MODELS EXCEPT M27000 AND M28000 TBT
1	1	28691	3" DOUBLE FILL BRACKET
2	1	32814	EXTRA FILL LINE + HAND WASH VALVE BRACKET
3	1	28687	HIGH FLOW FILL LINE ASSY 3"
4	1	33940	HIGH FLOW FILL LINE ASY 3" TOP
5	1	28690	HOSETAIL ELBOW FORK T9F – 75mm
6	2	30387	HOSETAIL ELBOW 90 Deg FORK T9 M – 75mm
7	4	28655	O RING T9 COUPLING VITON
8	2	28651	FORK T9 FITTING
9	8	09965	HOSE CLAMP T BOLT 89-94 SS
10	1	30312	HOSETAIL STRAIGHT T9 F – 75mm
11	1	33062	HOSE HD BLACK SUCTION 76mm x 320 LG
12	1	33947	HOSE HD BLACK SUCTION 76mm x 1400 LG
13	1	33946	HOSE HD BLACK SUCTION 76mm x 380 LG
14	1	33621	HOSE HD BLACK SUCTION 76mm x 227 LG
15	3	33811	BOLT HEX M12 x 45mm
16	3	09053	NUT M12 Nylock SS
17	8	09277	NUT M8 Nylock SS
18	8	09114	SCREW M8 x 30mm SS

10.8 3" Fill Line - Small Seed & Rear Tanks Bridged



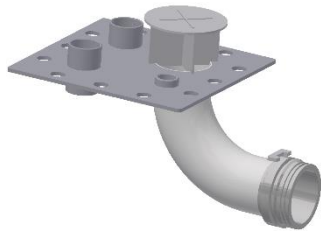
Item #	Qty	Part #	Description
All	1	32578	3" FILL LINE SMALL SEED REAR TANK BRIDGED
		33037	3" FILL LINE SMALL SEED REAR TANK BRIDGED FOR M28000 ONLY
1			3" SS TUBE Various lengths
2	1	10816	SUCTION HOSE 76mm per m
3	6	09965	HOSE CLAMP T BOLT 89-94 SS
4	1	28617	3" FILL LINE BEND
5	2	28637	SOCKET FORK T9F – T9F
6	3	28638	BALL VALVE 2 WAY T9M – T9M
7	11	28651	FORK T9 FITTING
8	18	28655	O RING T9 COUPLING VITON
9	1	28688	CAMLOCK FORK T9F – 3"M
10	1	28689	CAMLOCK DUST CAP 3"F
11	1	28691	3" DOUBLE FILL BRACKET
12	1	30312	HOSETAIL STRAIGHT T9 F – 75mm
13	1	30387	HOSETAIL ELBOW 90 Deg FORK T9 M – 75mm
14	1	32422	TEE T9F-T9F-T9F
15	2	28690	HOSETAIL ELBOW FORK T9 F
16	4	09114	SCREW M8 x 30mm SS
17	4	09277	NUT NYLOC M8
18	5	09121	BOLT HEX M12X35
19	5	09053	NUT NYLOC M12

10.9 3" Fill Line – Rear & Second Rear Tank Bridged

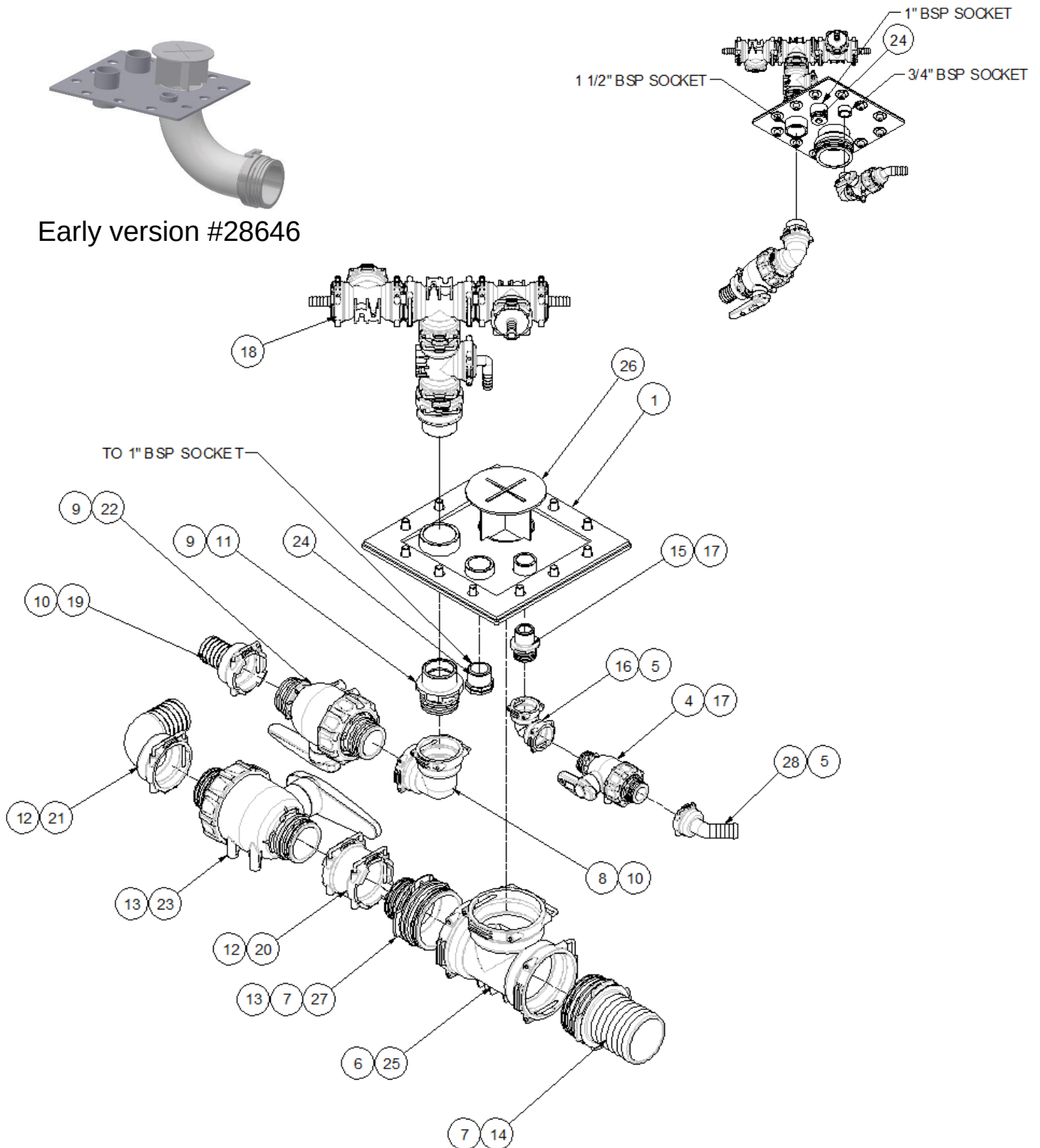


Item #	Qty	Part #	Description
All	1	32688	FILL LINE ASSY 3" - REAR & SECOND REAR TANK
1	1	28691	3" DOUBLE FILL BRACKET
2	5	09121	SCREW M12 x 35 mm SS
3	5	09053	NUT M12 Nylock SS
4	4	09114	SCREW M8 x 30mm SS
5	4	09277	NUT M8 Nylock SS
6	1	32422	TEE T9F-T9F-T9F
7	1	28638	BALL VALVE 2 WAY T9M – T9M
8	1	28688	CAMLOCK FORK T9F – 3"M
9	18	28655	O RING T9 COUPLING VITON
10	1	28637	SOCKET FORK T9F – T9F
11	1	28617	3" FILL LINE BEND
12	3	30387	HOSETAIL ELBOW 90 Deg FORK T9 M – 75mm
13	1	30312	HOSETAIL STRAIGHT T9 F – 75mm
14	2	30314	HOSETAIL T9M x 75mm Dia
15	1	32423	ELBOW 90Deg T9F-T9F
16	8	09965	HOSE CLAMP T BOLT 89-94 SS
17	9	28651	FORK T9 FITTING
18	1	28689	CAMLOCK DUST CAP 3"F
19	1	10816	SUCTION HOSE 76mm per m

10.10 Liquid Sumps High Flow 3" System



Early version #28646



Item #	Qty	Part #	Description
All	1	32634	3" HIGH FLOW SUMP PLATE ASSY (replaces 31519)
1	1	06131	GASKET METERING UNIT
2	12	09810	WASHER FLAT M10 LARGE SS
3	12	09948	SCKT HEAD SCREW M10 x 25mm SS
4	1	28639	2 WAY BALL VALVE FORK T3M-T3M

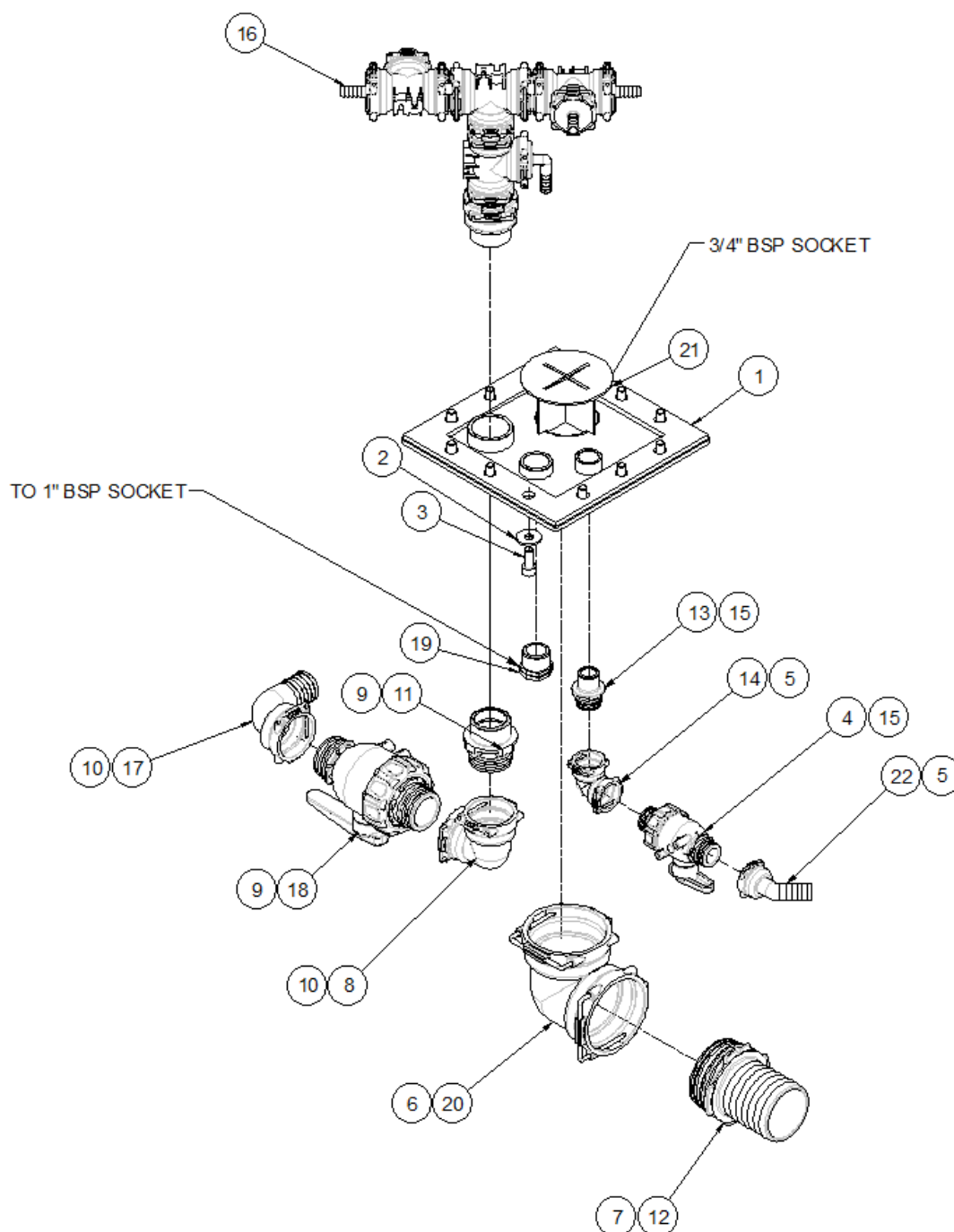
5	3	28648	FORK T3 FITTINGS
6	3	28651	FORK T9 FITTINGS
7	6	28655	O RING T9 FORK COUPLING
8	1	28712	ELBOW FORK T6 F – T6 F
9	3	28720	O RING T6 FORK COUPLING VITON
10	3	28762	FORK T6 FITTING
11	1	28768	ADAPTOR FORK T6 M – 11/2" BSP M
12	3	28815	FORK T7 FITINGS
13	6	28816	O RING T7 FORK COUPLING VITON
14	1	30314	T9M x 75mmDia
15	1	30325	T3F x 3/4" BSP M
16	1	30326	ELBOW 90 Deg x T3 F/F
17	3	31196	O RING T3 x 25.07 ID x 2.62 CS VITON
18	1	31520	AGITATION ASSY
19	1	31843	HOSETAIL STRAIGHT T6F – 38mm
20	1	31918	SOCKET FORK T7F-T7F
21	1	31929	HOSETAIL ELBOW 90Deg T7F-50mm
22	1	32230	2 WAY BALL VALVE FORK T6 M – T6 M
23	1	32231	2 WAY BALL VALVE FORK T7 M – T7 M
24	1	32241	PLUG G1 BSPM
25	1	32422	TEE T9F-T9F
26	1	32633	TANK SUMP PLATE ASSY
27	1	32635	REDUCER ADAPTOR T9M-T7M
28	1	32636	HOSETAIL ELBOW 45Deg T3F-20mm

NOTE: Sump Plate Assy for Drawbar Mount Liq System is 33368

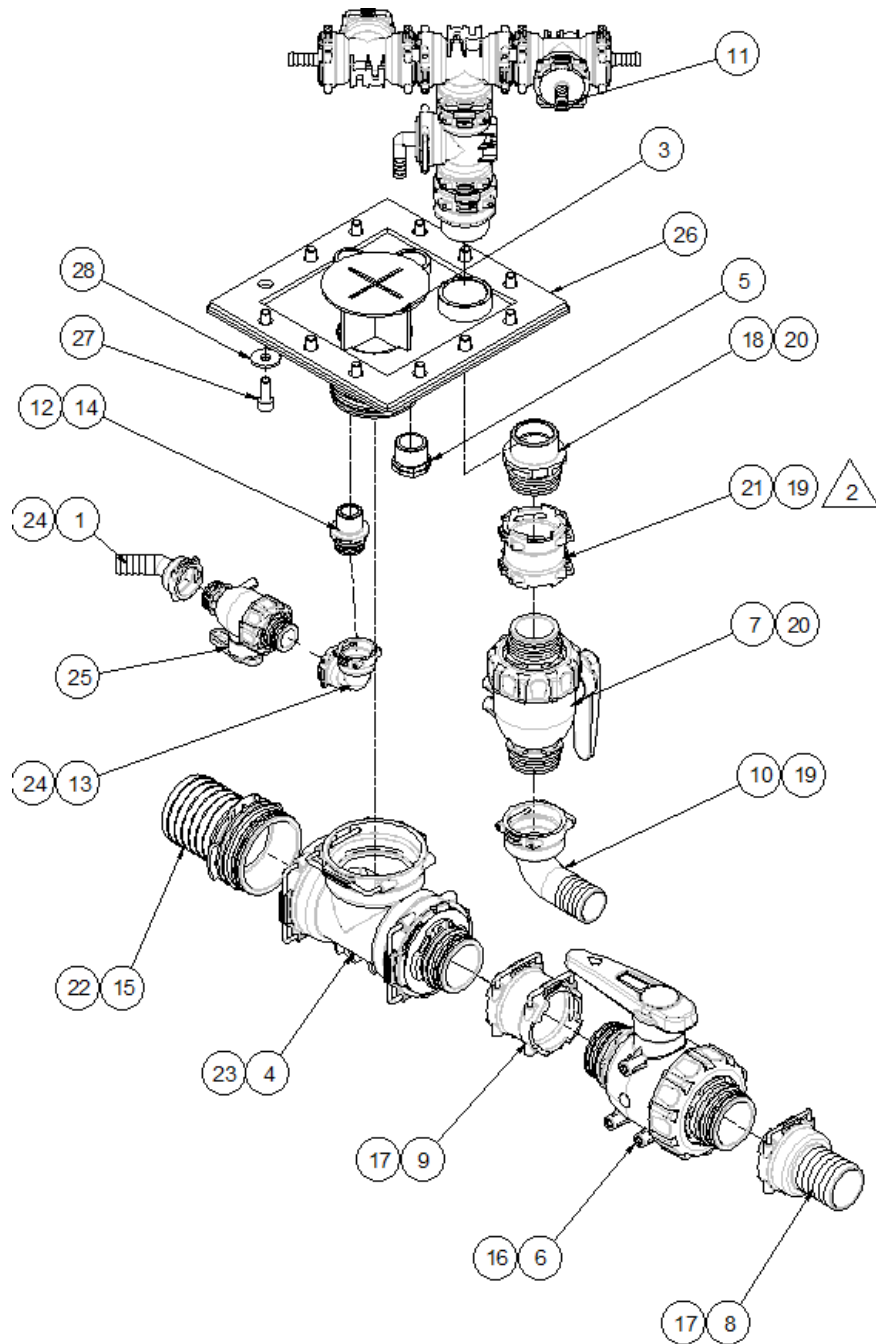
10.11 Liquid Sumps 3" System – Rear Tank Bridged

Item #	Qty	Part #	Description
All	1	32589	3" SUMP PLATE ASSY – REAR BRIDGED TANK
1	1	06131	GASKET METERING UNIT
2	12	09810	WASHER FLAT M10 LARGE SS
3	12	09948	SCKT HEAD SCREW M10 x 25mm SS
4	1	28639	2 WAY BALL VALVE FORK T3M-T3M
5	3	28648	FORK T3 FITTINGS
6	2	28651	FORK T9 FITTINGS
7	4	28655	O RING T9 FORK COUPLING
8	1	28712	ELBOW FORK T6 F – T6 F
9	3	28720	O RING T6 FORK COUPLING VITON
10	3	28762	FORK T6 FITTING
11	1	28768	ADAPTOR FORK T6 M – 11/2" BSP M
12	1	30314	T9M x 75mmDia

13	1	30325	T3F x 3/4" BSP M
14	1	30326	ELBOW 90 Deg x T3 F/F
15	3	31196	O RING T3 x 25.07 ID x 2.62 CS VITON
16	1	31520	AGITATION ASSY
17	1	31842	HOSETAIL ELBOW FORK T6F – 38mm
18	1	32230	2 WAY BALL VALVE FORK T6 M – T6 M
19	1	32241	PLUG G1 BSPM
20	1	32423	ELBOW 90 Deg T9F-T9F
21	1	32633	TANK SUMP PLATE ASSY
22	1	32636	HOSETAIL ELBOW 45Deg T3F-20mm



10.12 Liquid Sumps 3" System – Middle Tank Bridged



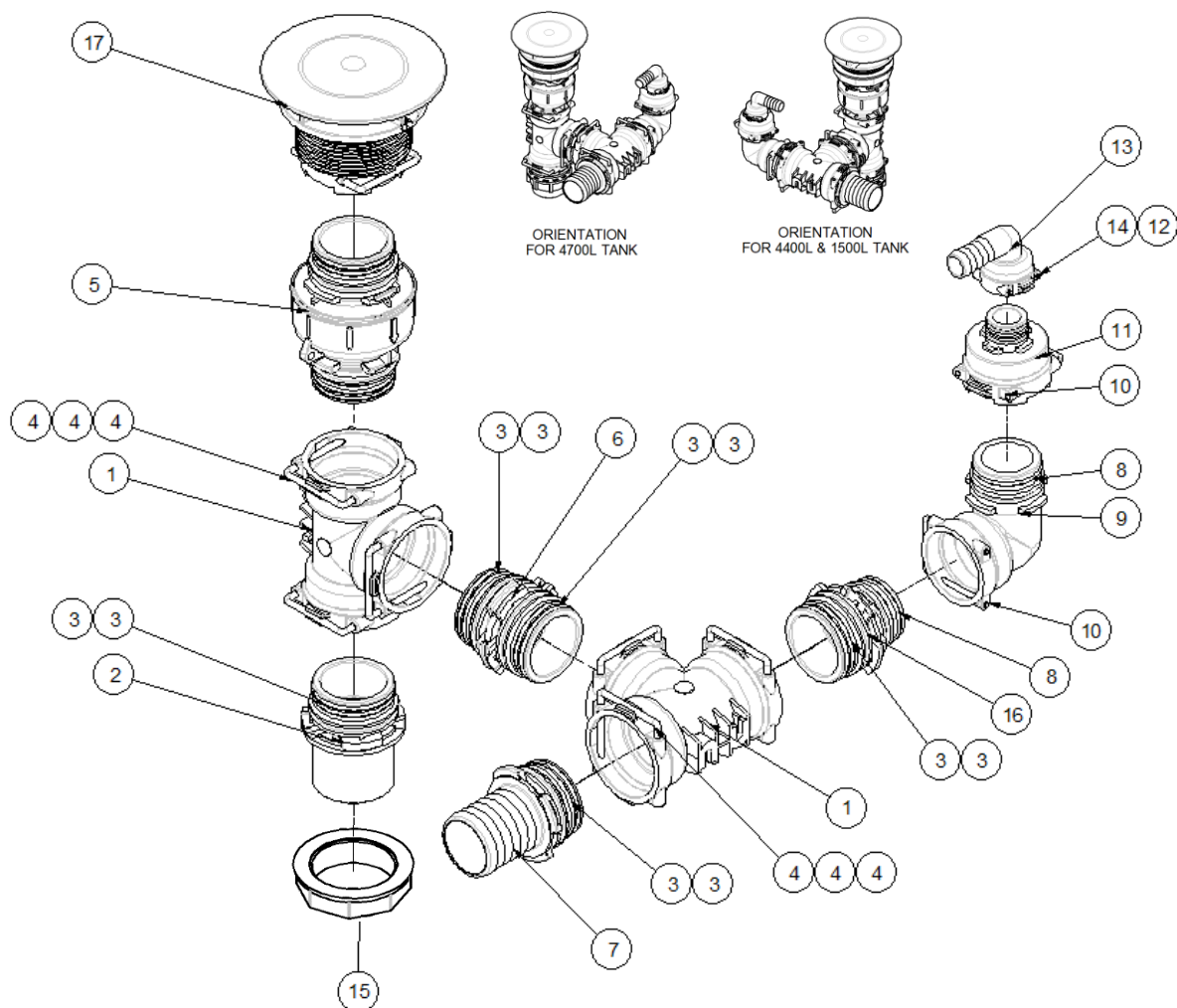
Item #	Qty	Part #	Description
All	1	32576	3" SUMP PLATE ASSY – MIDDLE BRIDGED TANK
1	1	32636	HOSETAIL ELBOW 45DEG T3F-20mm
2	1	32635	REDUCER ADAPTOR T9M-T7M
3	1	32633	TANK SUMP PLATE ASSY
4	1	32422	TEE T9F-T9F
5	1	32241	PLUG G1 BSPM
6	1	32231	2 WAY BALL VALVE FORK T7 M – T7 M

7	1	32230	2 WAY BALL VALVE FORK T6 M – T6 M
8	1	32227	HOSETAIL STRAIGHT FORK T7F – 50mm
9	1	31918	SOCKET FORK T7F-T7F
10	1	31842	HOSETAIL ELBOW FORK T6F – 38mm
11	1	31520	AGITATION ASSY
12	3	31196	O-RING T3 x 25.07 ID X 2.62 CS VITON
13	1	30326	ELBOW 90DEG x T3 F/F
14	1	30325	T3F x 3/4" BSP MALE
15	1	30314	T9M x 75mmDia
16	6	28816	O RING T7 FORK COUPLING VITON
17	3	28815	FORK T7 FITINGS
18	1	28768	ADAPTOR FORK T6 M – 11/2" BSP M
19	3	28762	FORK T6 FITTING
20	3	28720	O RING T6 FORK COUPLING VITON
21	1	28714	SOCKET FORK T6 F – T6 F
22	6	28655	O RING T9 FORK COUPLING
23	3	28651	FORK T9 FITTINGS
24	3	28648	FORK T3 FITTINGS
25	1	28639	2-WAY BALL VALVE FORK T3M-T3M STD HANDLE
26	1	6131	GASKET METERING UNIT
27	12	9948	SCKT HEAD SCREW M10 x 25mm SS
28	12	9810	WASHER FLAT M10 LARGE SS

10.13 Liquid Hoses & Clamps

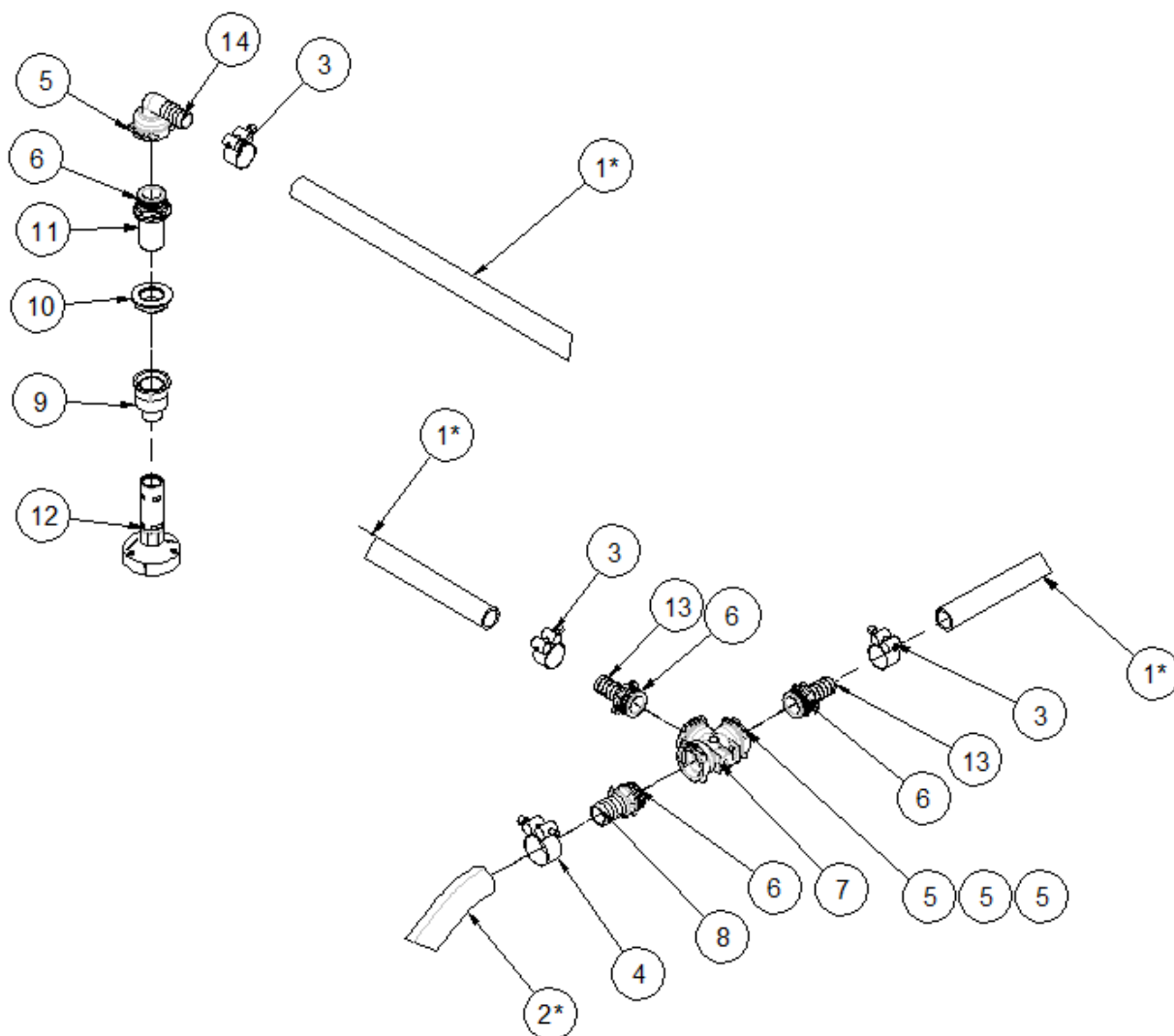
Part #	Description
05380	LIQUID HOSE 12mm - DELIVERY
05381	LIQUID HOSE 20mm - DELIVERY
05563	LIQUID HOSE 25mm - SUCTION
05564	LIQUID HOSE 32mm - DELIVERY
10893	LIQUID HOSE 32mm - SUCTION
05566	LIQUID HOSE 38mm - SUCTION
05565	LIQUID HOSE 40mm - SUCTION
05567	LIQUID HOSE 50mm - SUCTION
09077	HOSE CLAMP SS SUIT 12mm HOSE
09086	HOSE CLAMP SS SUIT 20mm TO 32mm HOSE
09087	HOSE CLAMP SS SUIT 38mm TO 50mm HOSE

10.14 Liquid Tank Vent/Sight Tube/Overflow Assy



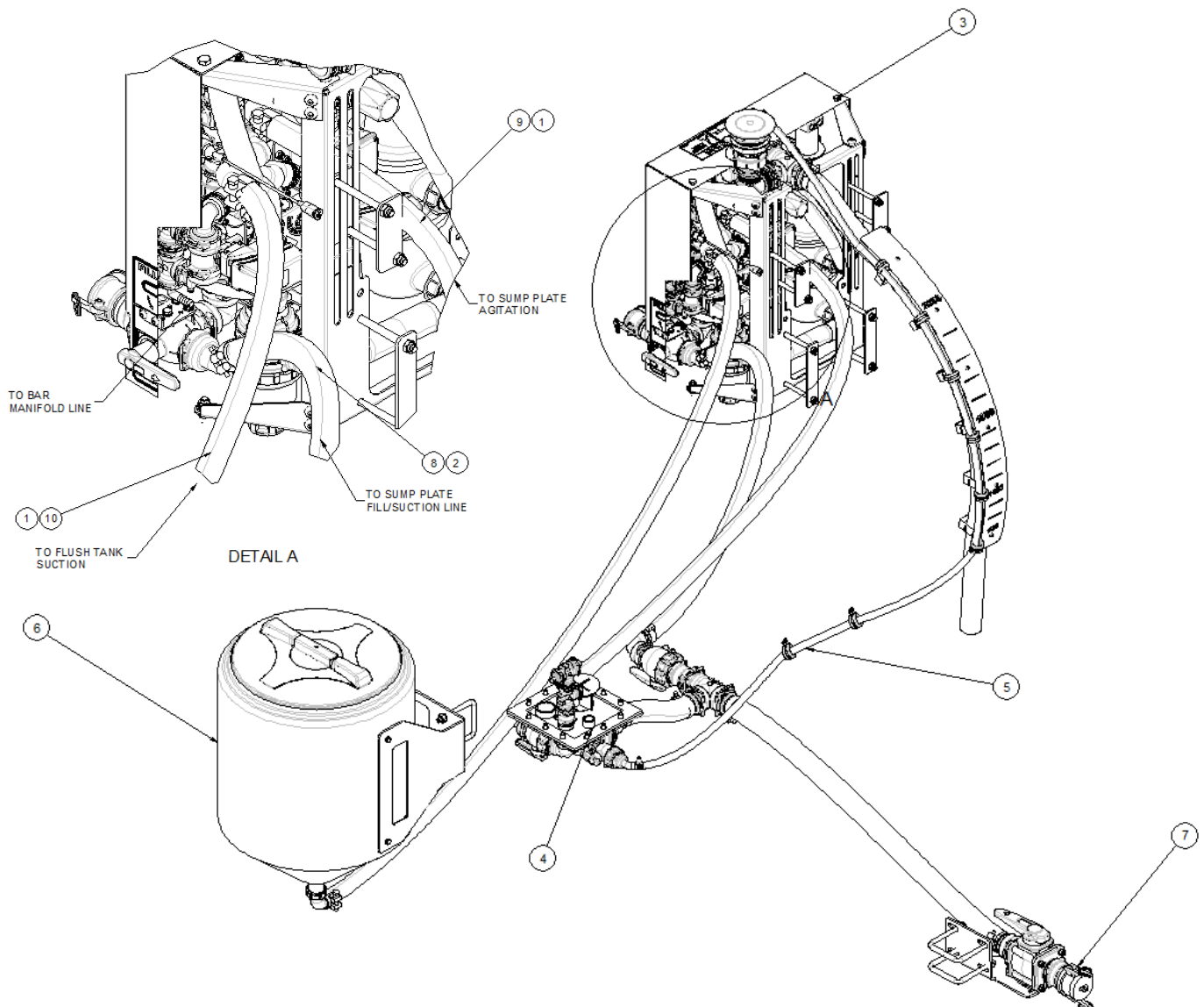
Item #	Qty	Part #	Description
All	1	32393	TANK VENT/OVERFLOW/SIGHT TUBE ASSY
1	2	31913	TEE T7F-T7F
2	1	31935	BULKHEAD FITTING T7M x G2M
3	14	28816	O'RING T7 FORK COUPLING VITON
4	6	28815	FORK FITTING T7
5	1	32389	CHECK VALVE T7M-T7M
6	1	31921	NIPPLE T7M-T7M
7	1	32391	HOSETAIL STRAIGHT T7M-50mm
8	2	28720	O'RING T6 FORK COUPLING VITON
9	1	31912	ELBOW 90 Deg T6M-T6F
10	2	28762	FORK T6 FITTINGS
11	1	32059	ADAPTOR FORK T6F-T3M
12	1	31196	O'RING T3 x 25.07ID x 2.62 VITON
13	1	32388	HOSETAIL ELBOW 90 Deg T3F-20mm
14	1	28648	FORK T3 FITTINGS
15	1	31989	LOCKING RING 2" BSP
16	1	32390	ADAPTOR REDUCER T7M-T6M
17	1	32055	ANTI VORTEX INTAKE T7 FORK

10.15 Liquid Tank Sprinkler Assy



Item #	Qty	Part #	Description
1	1	05381	PRESSURE HOSE 20mm (per metre)
2	1	05563	PRESSURE HOSE 25mm (per metre)
3	4	09979	HOSE CLAMP T BOLT 26-28mm SS
4	2	09981	HOSE CLAMP T BOLT 32-35mm SS
5	5	28648	FORK T3 FITTING
6	5	31196	O'RING T3 x 25.07ID x 2.62 VITON
7	1	31197	TEE T3 F/F
8	2	31926	HOSETAIL STRAIGHT T3M – 25mm
9	2	32336	REDUCER NIPPLE ¾ F x ½ M BSP
10	2	32337	BACKING NUT ¾ BSP
11	2	32339	BULKHEAD ¾ BSP x T3M
12	2	32341	SPRAYER ½ F
13	2	32385	HOSETAIL STRAIGHT T3M – 20mm
14	2	32388	HOSETAIL ELBOW 90 Deg T3F – 20mm

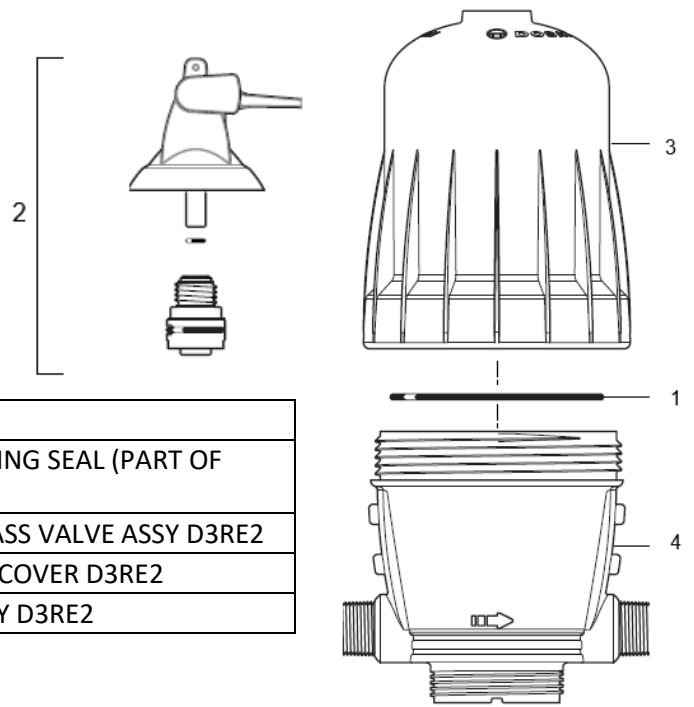
10.16 M6000 Drawbar Mount Liquid System (33376)



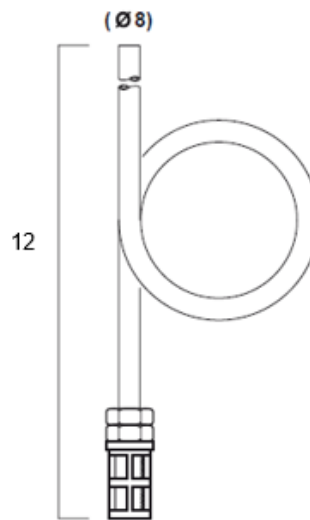
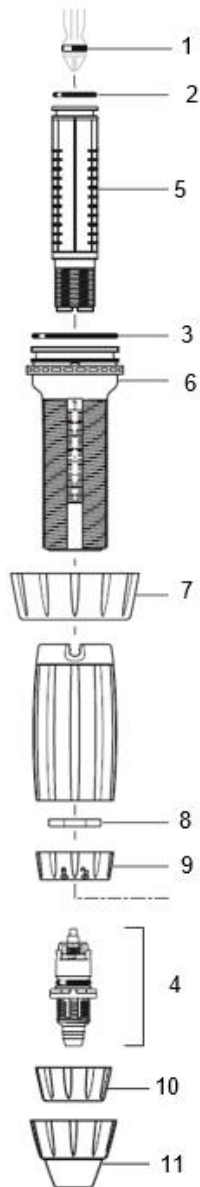
Item #	Qty	Part #	Description
1	4	09707	HOSE CLAMP T BOLT 38-43mm SS
2	2	09982	HOSE CLAMP T BOLT 44-47mm SS
3	1	31870	PRO-L 70 PANEL
4	1	33368	DRAWBAR MOUNT SUMP PLATE ASSY
5	1	33371	2000L TANK SIGHT GLASS ASSY
6	1	33383	TANK 100L DB MOUNT
7	1	33444	FILL LINE ASSY 2" LIQ REAR TANK DB MOUNT
8	1	33442	SUCTION HOSE 38 x 1500mm
9	1	33441	PRESSURE HOSE 38 x 2800mm
10	1	33440	SUCTION HOSE 32 x 3300mm

11.0 Dosatron

11.1 Dosatron D3RE2

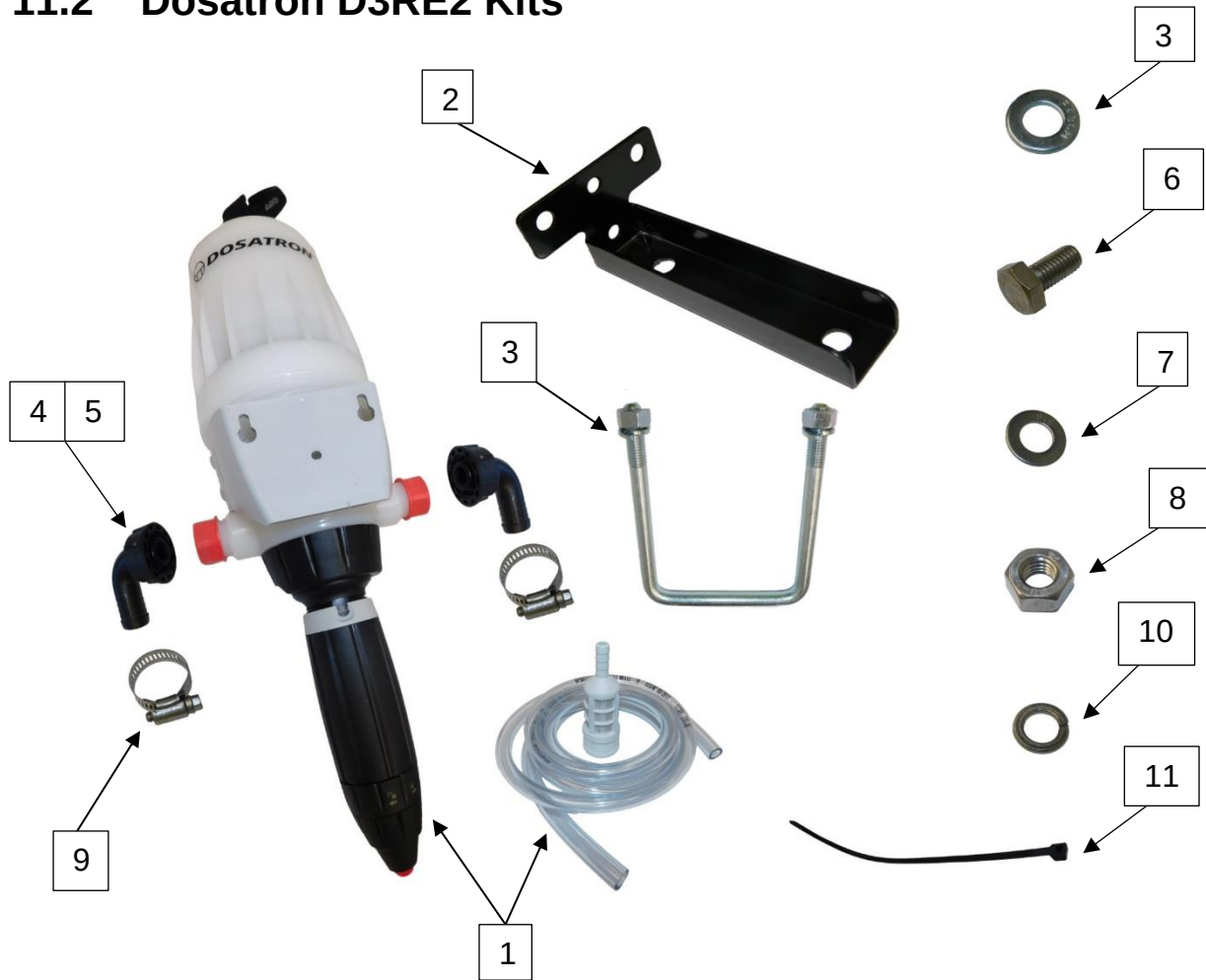


Item #	Qty	Part #	Description
1	1	04732	DOSATON HOUSING SEAL (PART OF 08688 KIT)
2	1	04608	DOSATRON BYPASS VALVE ASSY D3RE2
3	1	BSO	DOSATRON TOP COVER D3RE2
4	1	BSO	DOSATRON BODY D3RE2



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

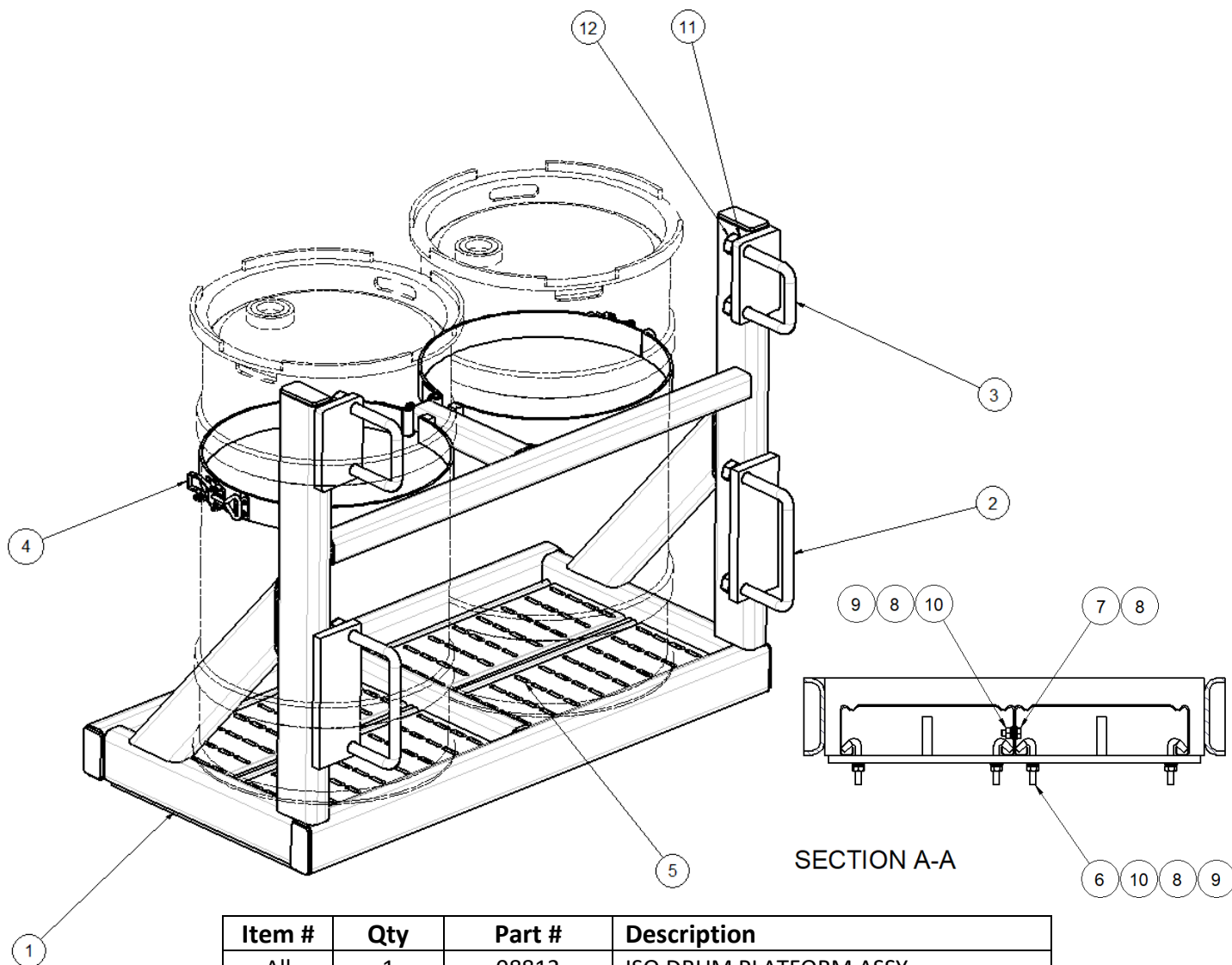
11.2 Dosatron D3RE2 Kits



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
10	2	09098	WASHER SPRING M10 SS
11	1	01092	CABLE TIE 550 x 13mm

12.0 Accessories

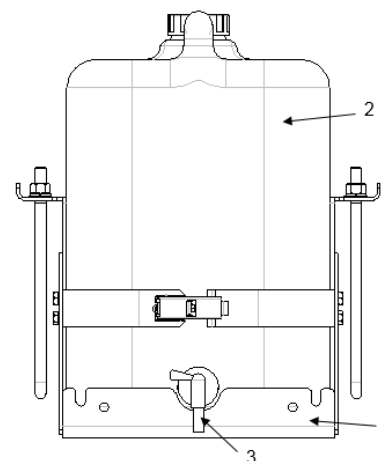
12.1 ISO Liquid Drum Platform



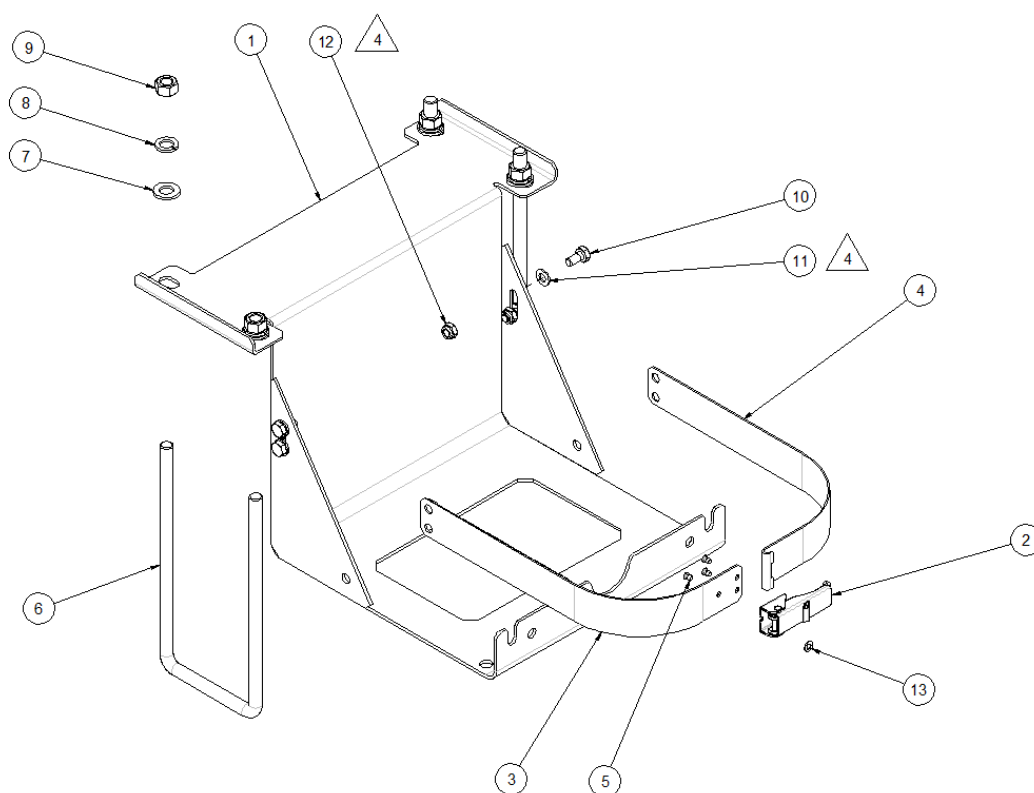
Item #	Qty	Part #	Description
All	1	08812	ISO DRUM PLATFORM ASSY
1	1	08813	ISO DRUM PLATFORM
2	2	08839	U BOLT M20 x 202 x 150mm GALV
3	2	01091	U BOLT SET M20 x 102 x 150mm GALV
4	2	08830	HALF RING WELDMENT
5	4	12616	FLOOR GRIP 475mm LG
6	16	09124	BOLT M8 x 50mm J HEAD
7	4	09136	BOLT M8 x 20mm
8	24	09017	WASHER FLAT M8
9	20	09066	WASHER SPRING M8
10	20	09125	NUT M8
11	8	09042	WASHER SPRING M20
12	8	09041	NUT M20

12.2 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



12.3 Wash Bottle Bracket Kit



Item #	Qty	Part #	Description
All	1	06042	20Ltr LIQUID BRACKET KIT
1	1	06977	BRACKET ASSY
2	1	06596	LATCH LOCKING
3	1	06979	WATER CONTAINER STRAP LH
4	1	06726	WATER CONTAINER STRAP RH
5	3	09058	RIVET
6,7,8,9	2	07611	U-BOLT SET M12 x 235mm LG SS
10	4	09111	SETSCREW M8 x 16mm SS
11	4	09106	WASHER FLAT M8
12	4	09277	NUT NYLOC M8
13	4	09310	WASHER FLAT M5 SS

13.0 Miscellaneous

13.1 Calibration Equipment

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

13.2 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

13.3 Bolt Tightening Torque

Unless otherwise stated in the manual, the following are recommended bolt torque settings.

FASTENER TORQUE CHART (K=0.2; 65% PROOF LOAD)				
SIZE	TORQUE VALUE [Nm]			
	Gr 8.8	Gr 10.9	Gr 12.9	A4-70
M6	8	11	14	10
M8	20	28	33	12
M10	39	55	66	24
M12	68	96	116	42
M16	173	243	291	100
M20	337	474	569	197