

# Crop Cruiser G6

## Parts Manual MY19



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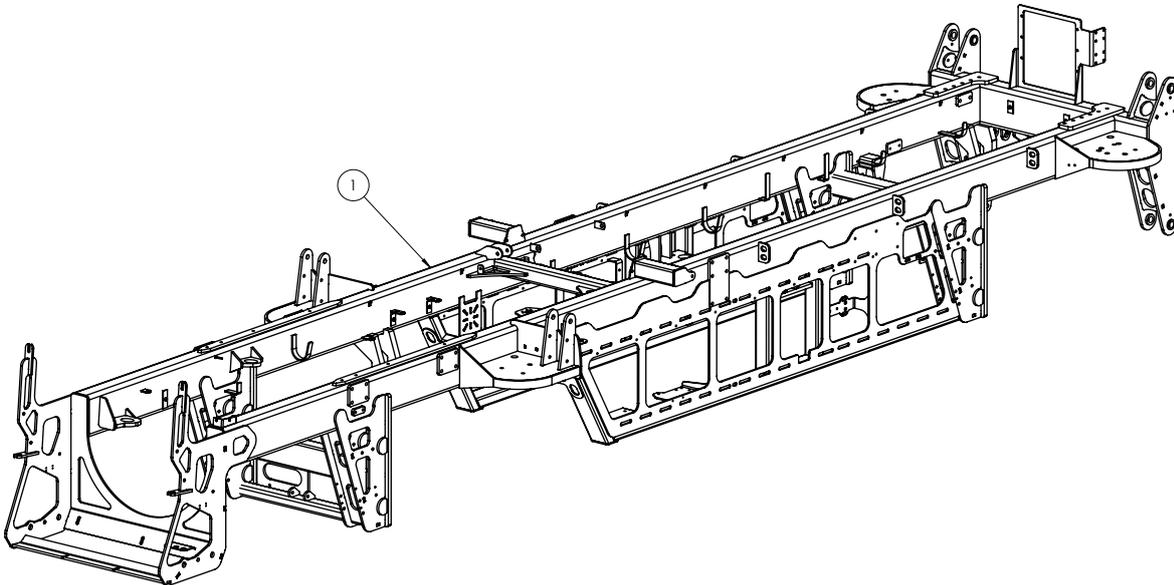
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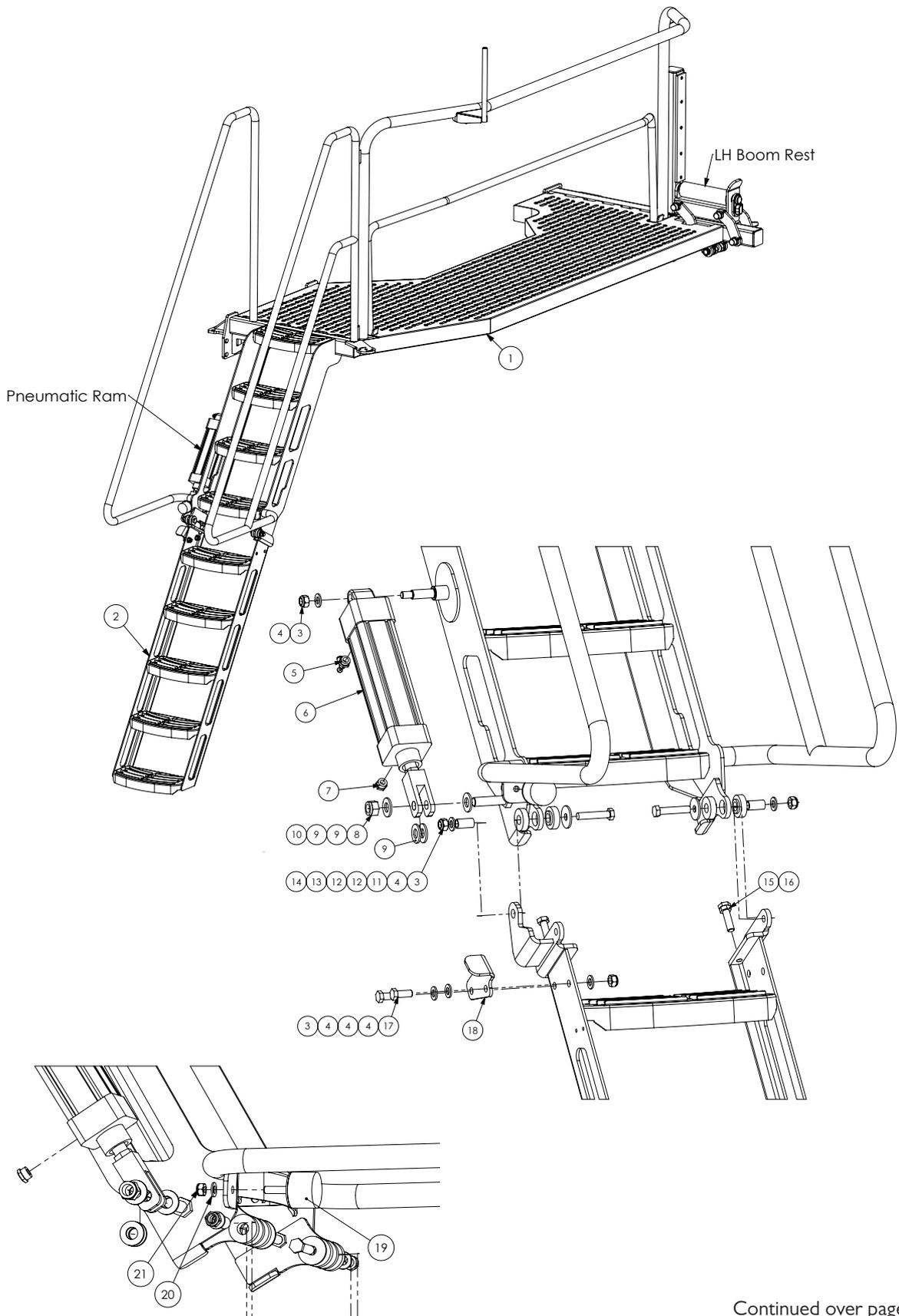
## CHASSIS

### Chassis



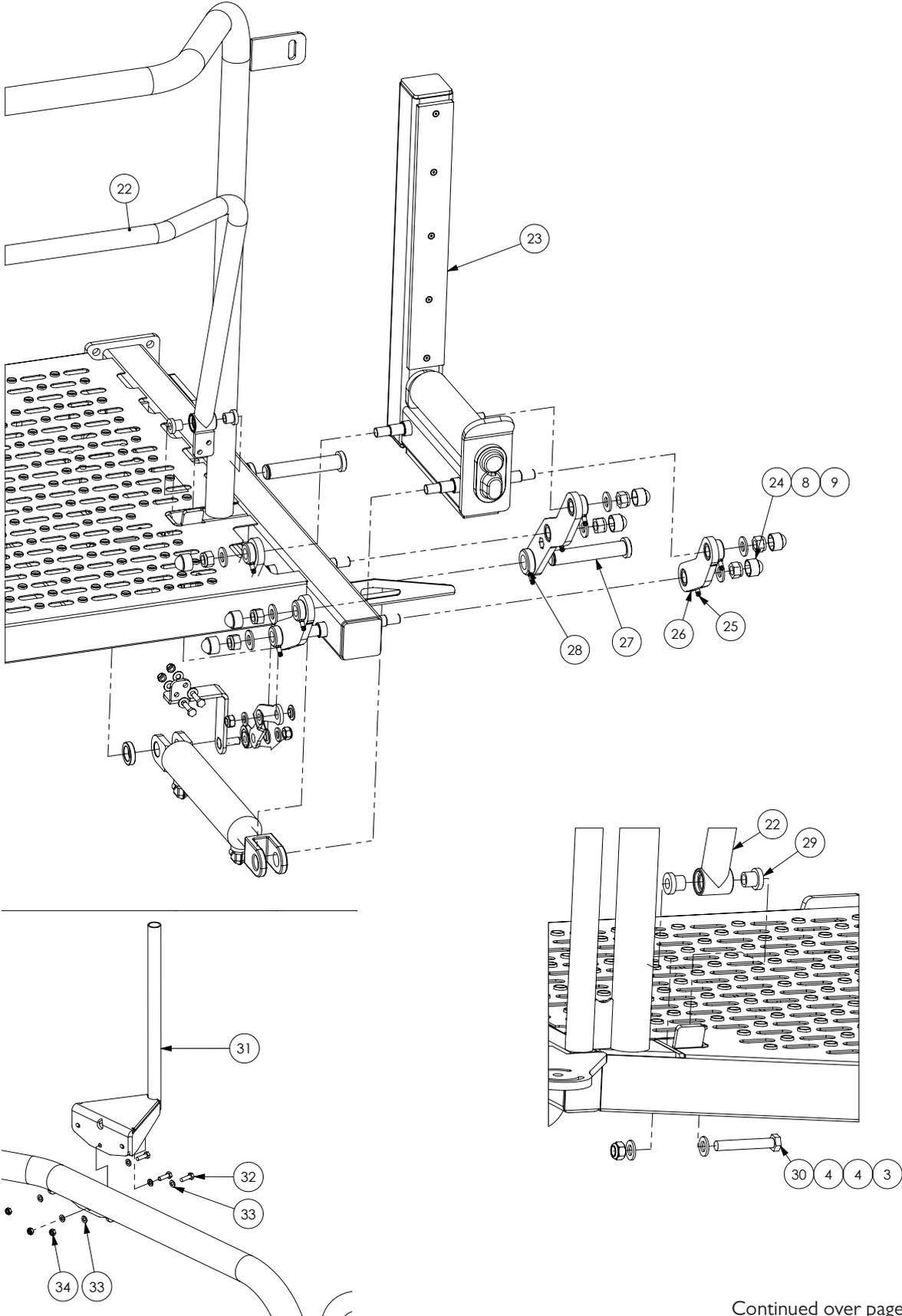
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659845	Chassis	1
	GA4659846	Chassis - suit adjustable axle option	

# Access Platform & Boom Rest - Left Side



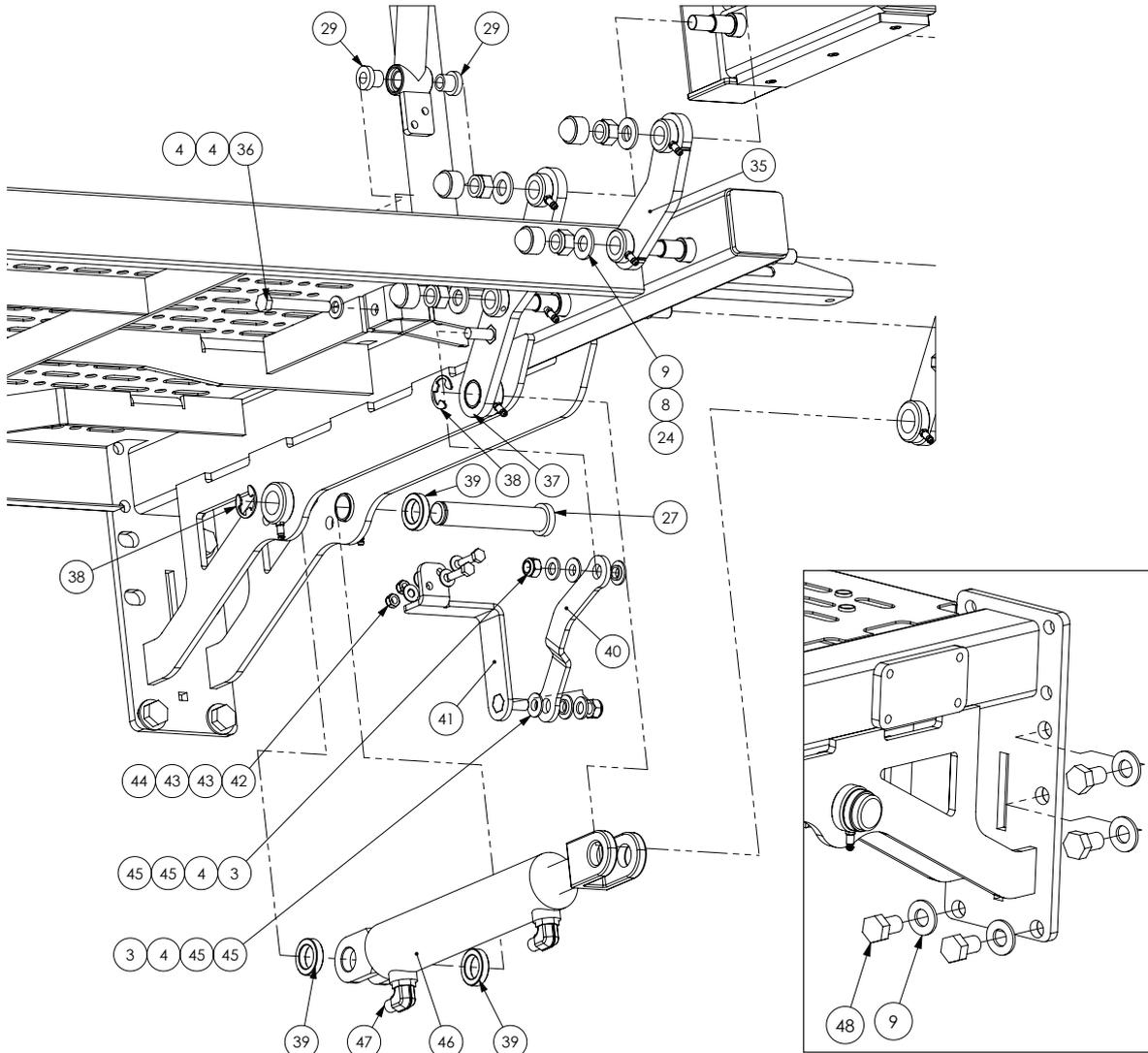
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# Access Platform & Boom Rest - Left Side



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# Access Platform & Boom Rest - Left Side



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659765	Access Platform Main	1
2	GA4659760	Lower Ladder	1
3	GA4656185	Nut M12 Nyloc ZP	9
4	GA5000577	Washer 12mm Flat SS HD	13
5	GA5015643	Valve, Needle, 6mm push type inlet x 1/4" male BSP thread inlet, Legris	1
6	GA5069674	Pneumatic Cylinder, 63 x 175 mm, 3/8" ports, aluminium	1
7	GA7000001	Brass Breather Silencer 3/8" BSP Flat	1
8	GA5001029	Nut M16 Nyloc ZP	9
9	GA5001043	Washer 16mm Flat SS HD	16
10	GA5000941	Bolt M16 x 60 GR8.8 ZP	1
11	GA4553025	Bush Ladder Pivot	2
12	GA4553030	Bush Nylon Ladder Pivot	4
13	GA4505410	Ladder Pivot Bush Retainer Plate, 12.4 ID x 40 OD x 3mm SS	2

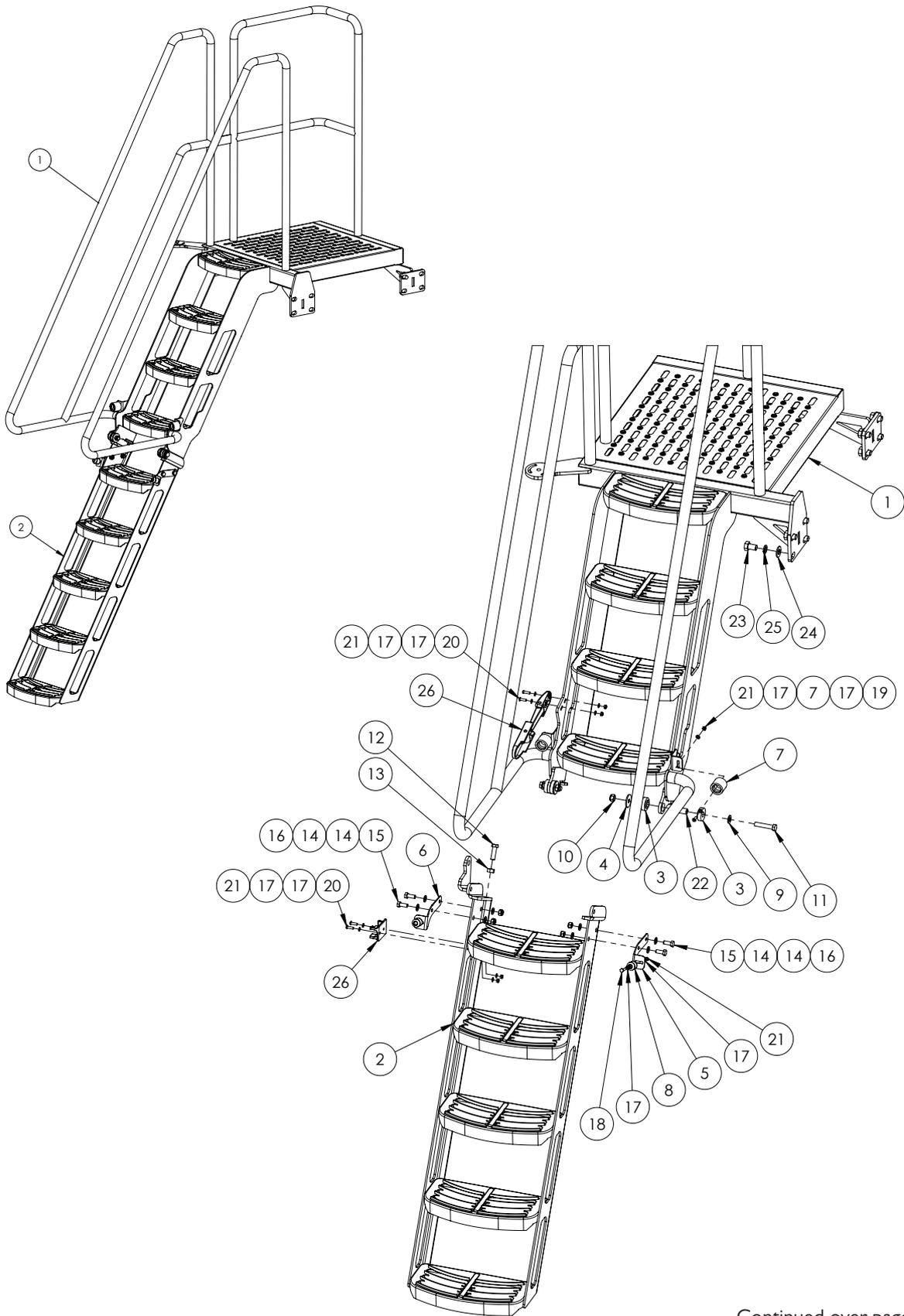
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## Access Platform & Boom Rest - Left Side

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
14	GA5000335	Bolt M12 x 60 GR8.8 ZP	2
15	GA4656180	Set Screw M12 x 40 GR8.8 ZP	2
16	GA5071280	Nut, M12 Half Lock Nut, ZP	2
17	GA5000305	Set Screw M12 x 30 GR8.8 ZP	2
18	GA4507330	Plate, Ladder Fold Stop Access Platform	1
19	GA5052815	Rubber Stopper, Diameter 50 x 35 mm Long, With M10 x 35 Stud	1
20	GA5000117	Washer 10mm Flat SS HD	1
21	GA5000141	Nut M10 Nyloc ZP	1
22	GA4659780	Handrail Mid	1
23	GA4912550	Boom rest top, Left side, Sub assembly	1
24	GA5075080	Hex nut protection cap suit M16, Black	8
25	GA5009639	Grease Nipple 1/4" UNF Long	12
26	GA4658771	Boom rest link assy-short link LH	1
27	GA4552835	Pin, Hydraulic cylinder to Boomrest	2
28	GA4658765	Boom rest link assy-long link RH	1
29	GA4553055	Nylon Bush Mid Handrail	4
30	GA5000351	Bolt M12 x 75 GR8.8 ZP	1
31	GA4658810	Mounting bracket, Left side mirror	1
32	GA5004063	Bolt M6 x 20 SS A-70	3
33	GA5004437	Washer 6mm Flat SS	6
34	GA5048115	Nut M6 Nyloc ZP	3
35	GA4658770	Boom rest link assembly - short link RH	1
36	GA5000355	Bolt M12 x 80 GR8.8 ZP	1
37	GA4658767	Boom Rest Link LH suit Pivoting Mid Handrail	1
38	GA5001223	19mm E type circlip	2
39	GA4572135	Paralift spacer bush	3
40	GA4505590	Link Plate Handrail Mid	1
41	GA4659775	Bracket, Middle Handrail link	1
42	GA5052590	Nut M8 Nyloc SS	2
43	GA5003643	Washer 8mm Flat ZP HD	4
44	GA5011475	Bolt M8 x 30 GR8.8 ZP	2
45	GA4553060	Nylon Bush Mid Handrail suit Link Plate	4
46	GA5069110	Hydraulic Cylinder, Bore 2", Rod 1.25", Stroke 6"	1
47	GA3500348	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 3/4" UN male O-ring	2
48	GA5000903	Bolt M16 x 25 GR8.8 ZP	4

\* Sub-assembly on following pages

# Access Platform - Right Side

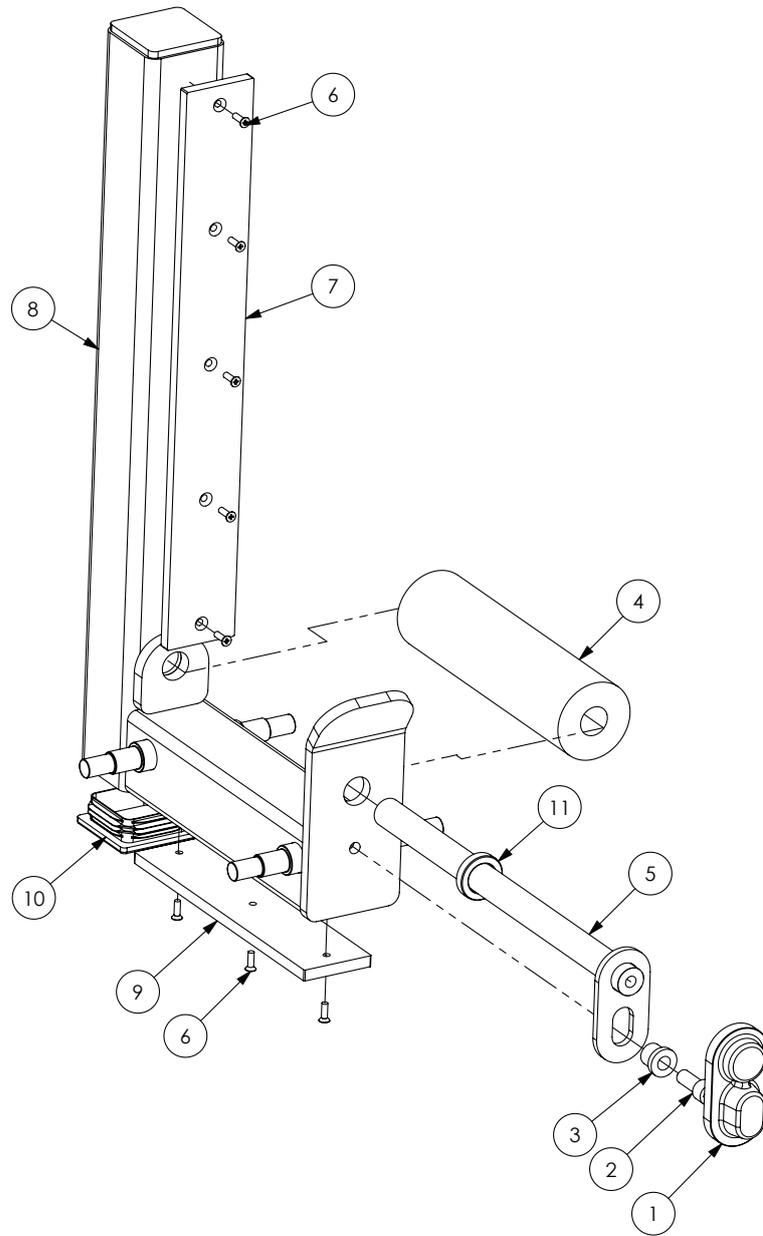


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## Access Platform - Right Side

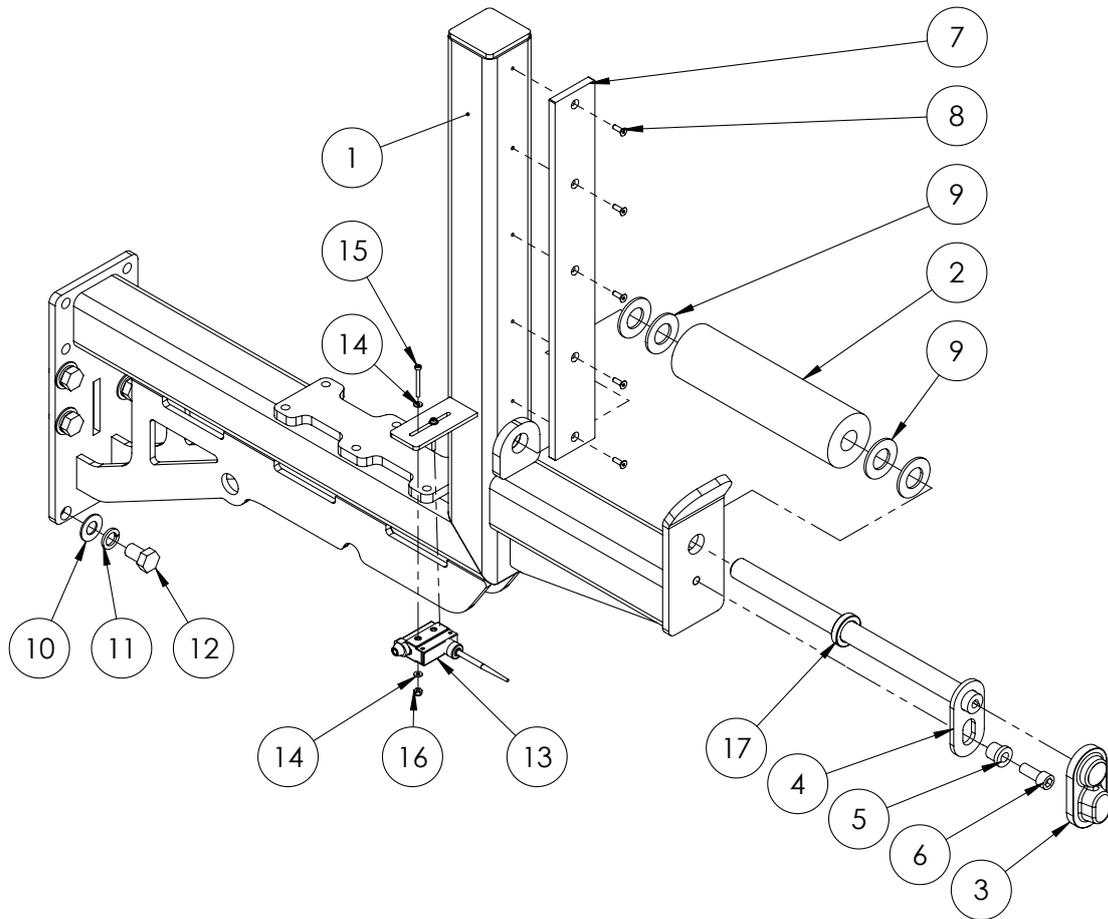
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659795	Access Platform RH	1
2	GA4659760	Lower Ladder	1
3	GA4553030	Bush Nylon Ladder Pivot	4
4	GA4505410	Ladder Pivot Bush Retainer Plate SS	2
5	GA4507250	Mount Plate Lower Ladder LH Rubber Holder RH Platform	1
6	GA4507255	Mount Plate Lower Ladder RH Rubber Holder RH Platform	1
7	GA5008629	Door holder, Female, Rubber, Black	2
8	GA5011607	Door holder, Male, Rubber, Black	2
9	GA5000577	Washer 12mm Flat SS HD	2
10	GA5012461	Nut M12 Nyloc ZP	2
11	GA5000335	Bolt M12 x 60 GR8.8 ZP	2
12	GA5000319	Set Screw M12 x 40 GR8.8 ZP	2
13	GA5000559	Nut M12 Hex ZP	2
14	GA5000117	Washer 10mm Flat SS HD	8
15	GA5006161	Bolt M10 x 25 GR8.8 ZP	4
16	GA5000141	Nut M10 Nyloc ZP	4
17	GA5004437	Washer 6mm Flat SS	16
18	GA5004077	Bolt M6 x 30 GR8.8 ZP	2
19	GA5004050	BHCS M6 x 16 SS A2-70	2
20	GA5004053	BHCS M6 x 20 SS A2-70	4
21	GA5048115	Nut M6 Nyloc ZP	8
22	GA4553025	Bush Ladder Pivot	2
23	GA5000903	Bolt M16 x 25 GR8.8 ZP	8
24	GA5001043	Washer 16mm Flat SS HD	8
25	GA5001051	Washer 16mm Spring SS	8
26	GA5066595	Latch, Suit Crop Cruiser bonnet & ladder	1

## Boom Rest - Left Side



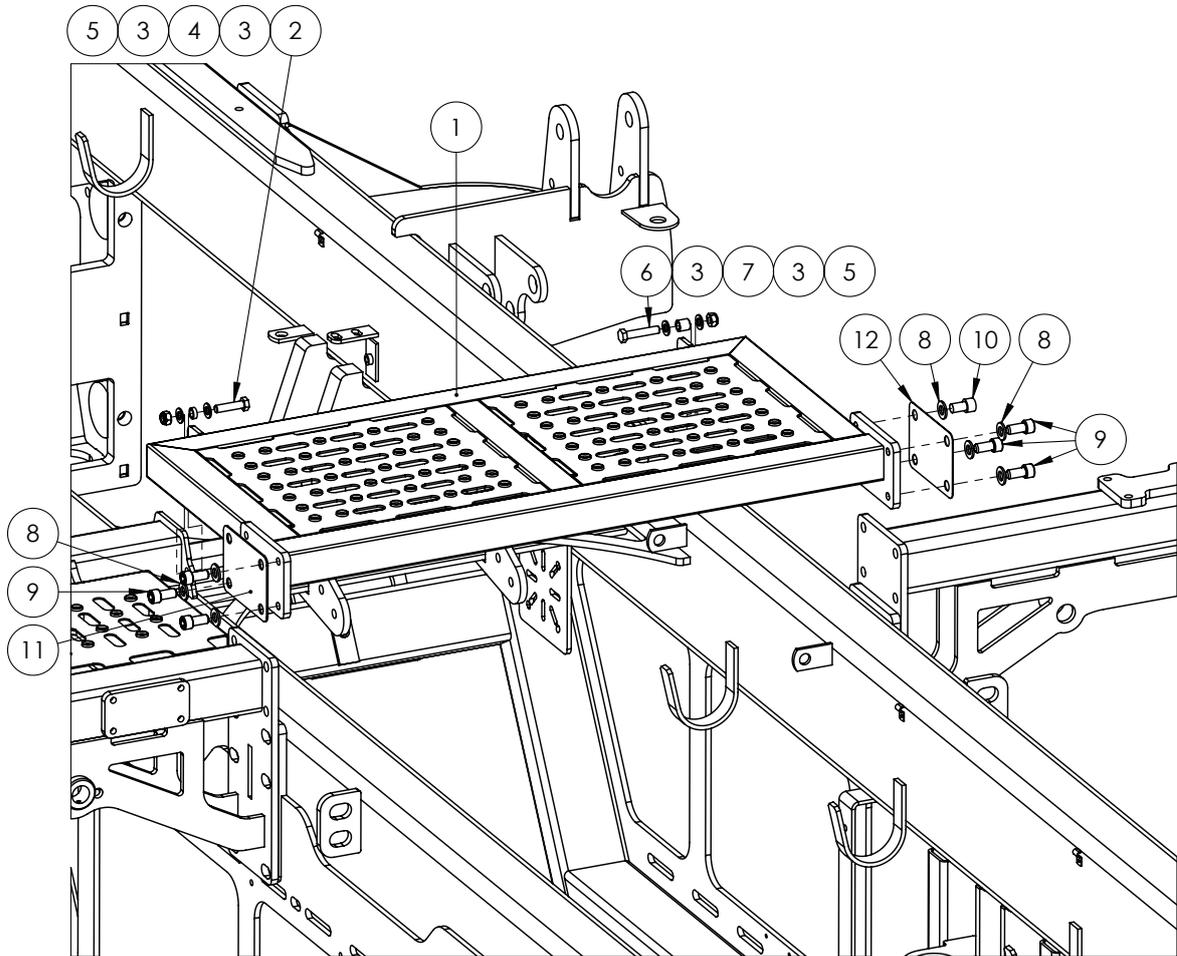
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5067885	Pin cover, Black, clip on, plastic	1
2	GA5000307	SHCS M12 x 30 ZP GR12.9	1
3	MACH0152	Bush with shoulder, 12.3 ID x 25 OD x 21 mm long	1
4	GA5069105	Roller suit Boom rest SP 2011	1
5	GA4658745	Pin suit Boom rest roller	1
6	GA5051230	CSCS M5 x 16 Countersink SS	8
7	GA5070980	Plastic wear strip polystone 7000SR 65 x 510 x 10mm	1
8	GA4658721	Boom rest top sub assembly	1
9	GA5071225	Plastic wear strip 65 x 270 x 10mm	1
10	GA5052345	End cap, Insert, 75 x 75 mm, black, plastic	1
11	GA4572135	Spacer bush, 40 OD x 25.8 ID x 9 mm thick	1

## Boom Rest - Right Side



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659975	Boom Rest RH, Crop Cruiser	1
2	GA5069105	Roller suit Boom rest	1
3	GA5067885	Pin cover, Black, clip on, plastic	1
4	GA4658745	Pin suit Boom rest roller	1
5	MACH0152	Bush with shoulder, 12.3 ID x 25 OD x 21 mm long	1
6	GA5000307	SHCS M12 x 30 ZP GR12.9	1
7	GA5070980	Plastic wear strip polystone 7000SR 65 x 510 x 10mm	1
8	GA5051230	CSCS M5 x 16 Countersink SS	5
9	GA5017681	Washer 1" x 2" 7g Flat Thin SS	4
10	GA5001043	Washer 16mm Flat SS HD	6
11	GA5000961	Washer 16mm Spring ZP	6
12	GA5000903	Bolt M16 x 25 ZP GR8.8	6
13	GA5012129	Limit switch, Flexible arm, Micro, IP65, 10 Amp	1
14	GA5020510	Washer 4mm Flat SS	4
15	GA5049800	SHCS M4 x 40 ZP GR12.9	2
16	GA5049025	Nut M4 Nyloc SS	2
17	GA4572135	Spacer bush, 40 OD x 25.8 ID x 9 mm thick	1

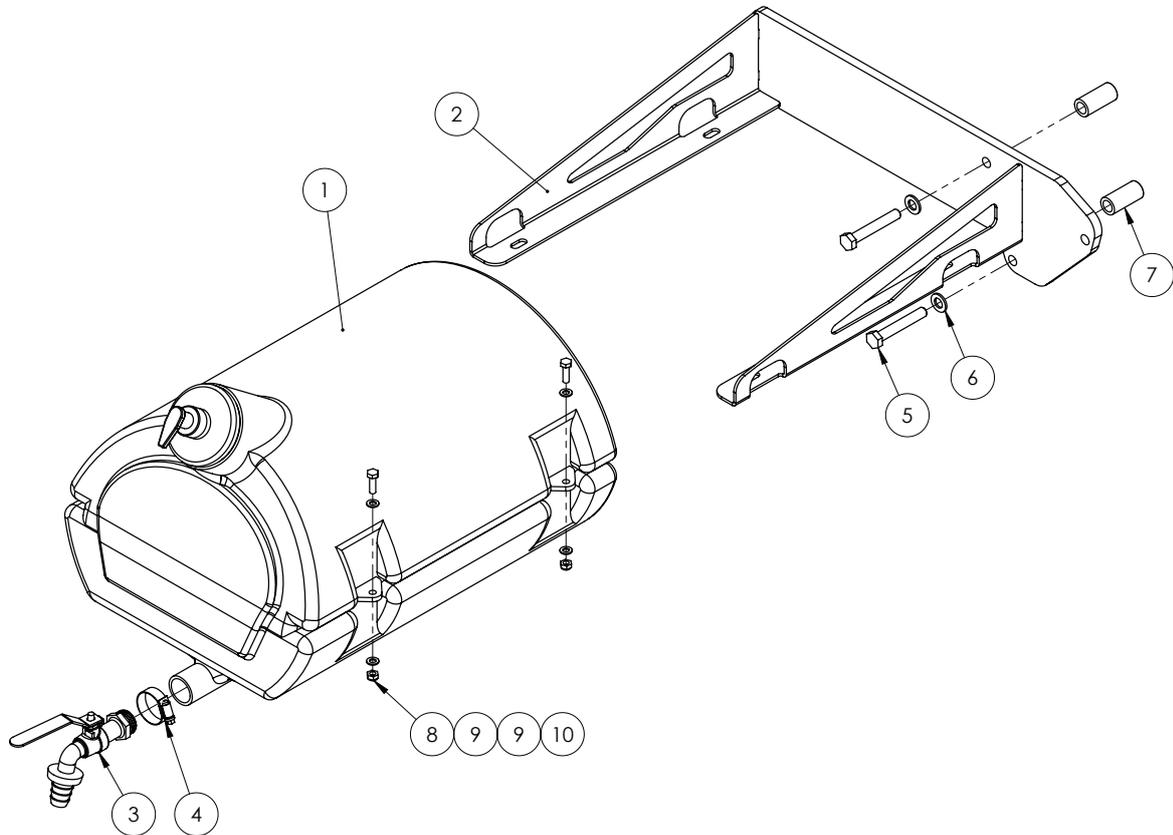
## Centre Platform



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659860	Platform Rear Cabin 6000L	1
2	GA5011161	Set Screw M10 x 40 GR8.8 ZP	1
3	GA5000117	Washer 10mm Flat SS HD	4
4	GA4552080	Crush tube, 10.2 ID x 15 OD x 5 mm long	1
5	GA5000141	Nut M10 Nyloc ZP	2
6	GA5011171	Set Screw M10 x 50 SS A2-70	1
7	GA4552075	Crush tube, 10.2 ID x 15 OD x 15 mm long	1
8	GA5000577	Washer 12mm Flat SS HD	7
9	GA5000297	SHCS M12 x 25 GR12.9 ZP	6
10	GA5050330	SHCS M12 x 20 GR12.9 ZP	1
11	GA4503567*	Shim, 2 mm, Flange plate, Rear platform	-
12	GA4503566*	Shim, 1 mm, Flange plate, Rear platform	-

\* NOTE: Exact shim width and quantity required will vary on individual basis.

# Hand Wash Bottle Assembly

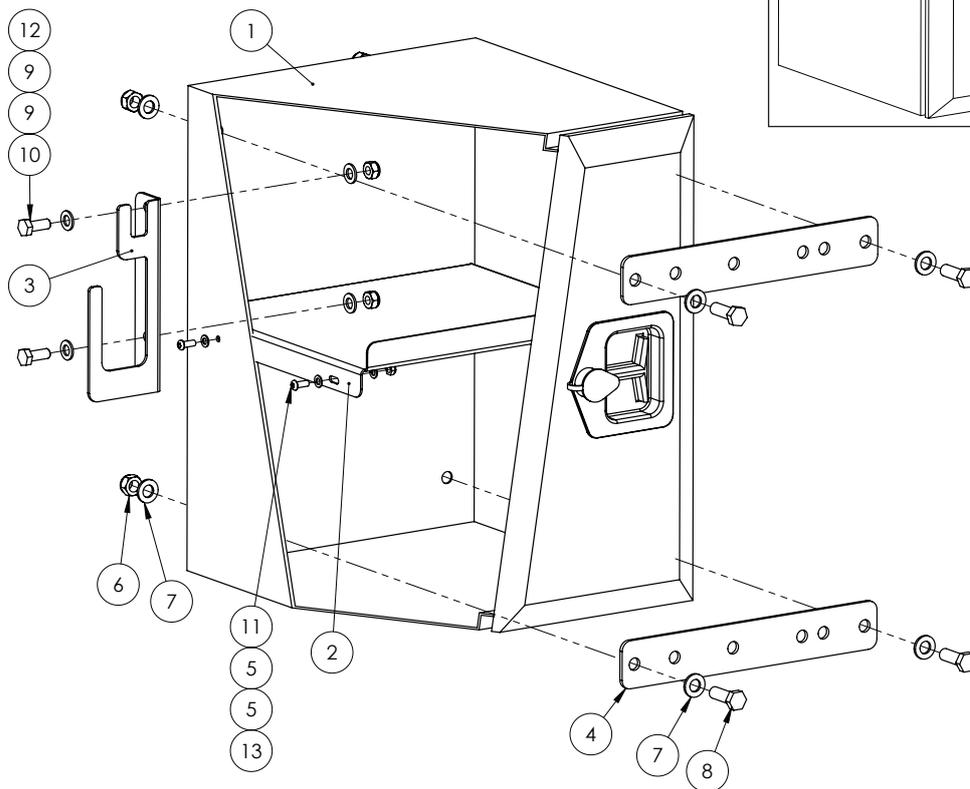
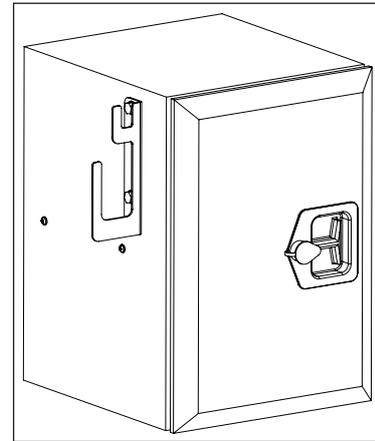


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075110	Water tank, 30L, Black plastic, With soap dispenser	1
	GA5051275	Soap dispenser, Suit hand wash tank GA5075110	-
2	GA4659146	Bracket Hand Wash Platform Mounted	1
3	GA5070735	Hand wash bottle tap	1
4	GA5001681	Hose Clamp, 1" SS (20-32/12W)	1
5	GA5006101	Bolt M10 x 65 GR8.8 ZP	2
6	GA5000117	Washer 10mm Flat SS HD	2
7	GA4552920	Bush fresh water bottle mount	2
8	GA5048115	Nut M6 Nyloc ZP	4
9	GA5004437	Washer 6mm Flat SS	8
10	GA5004065	Bolt M6 x 20 GR8.8 ZP	4

# Tool Box

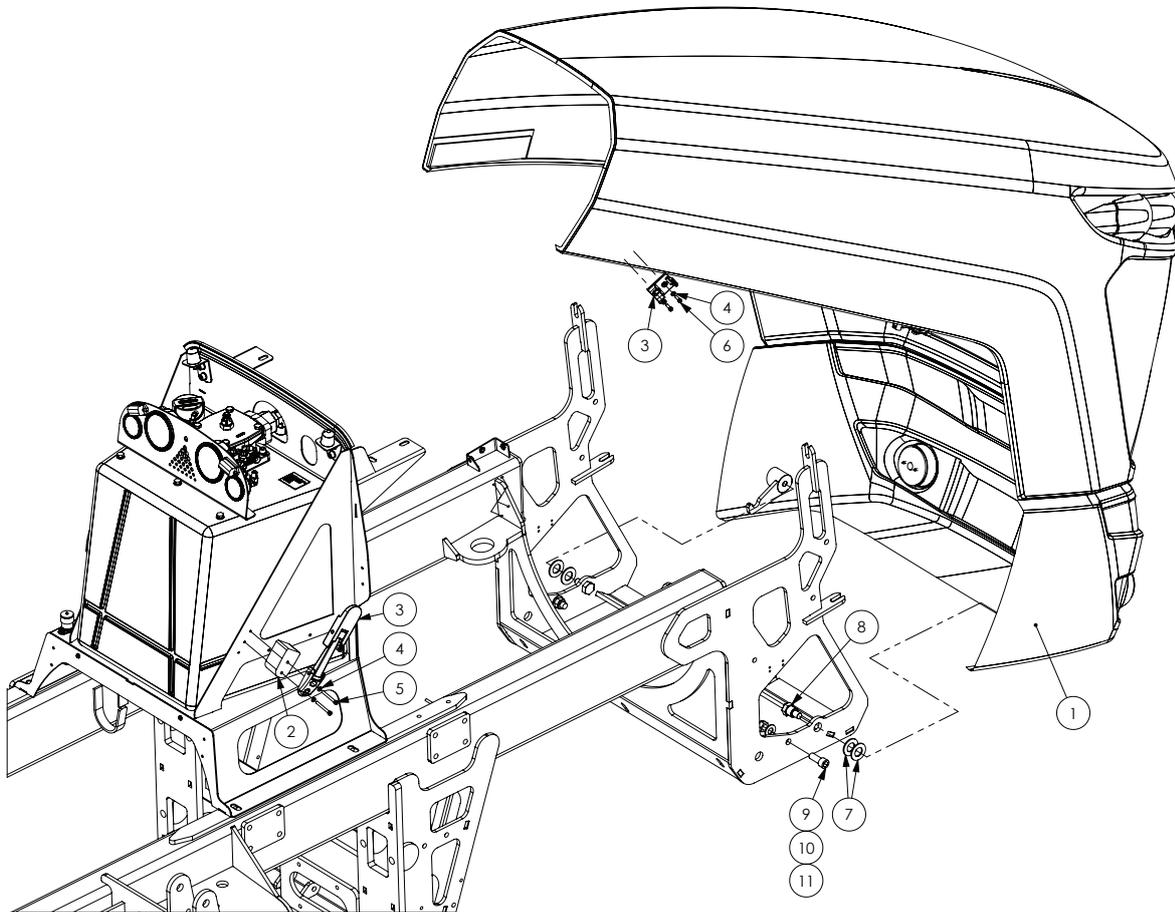
TOOL BOX SHOWN WITHOUT OPTIONAL CHEMICAL FLOW METER MOUNTED.

SEE CHAPTER 5 'LEFT HAND POD' FOR CHEMICAL FLOW METER DETAILS.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5068675	Tool box, T handle, Black, w 500 x h 350 x d 400 mm	1
2	GA4502895	Tool box shelf	1
3	GA4504470	Bracket-Suzi coil holder, bolt on L/H	1
4	GA4503890	Bracket, Tool box mount, inner	2
5	GA5004437	Washer 6mm Flat SS	8
6	GA5012461	Nut M12 Nyloc ZP	4
7	GA5000577	Washer 12mm Flat SS HD	8
8	GA5000311	Set screw, M12 x 35, ZP GR 8.8	4
9	GA5000117	Washer 10mm Flat SS HD	4
10	GA5006161	Bolt M10 x 25 GR8.8 ZP	2
11	GA5004050	BHCS M6 x 16 SS GR8.8	4
12	GA5000141	Nut M10 Nyloc ZP	2
13	GA5048115	Nut M6 Nyloc ZP	4

# Bonnet

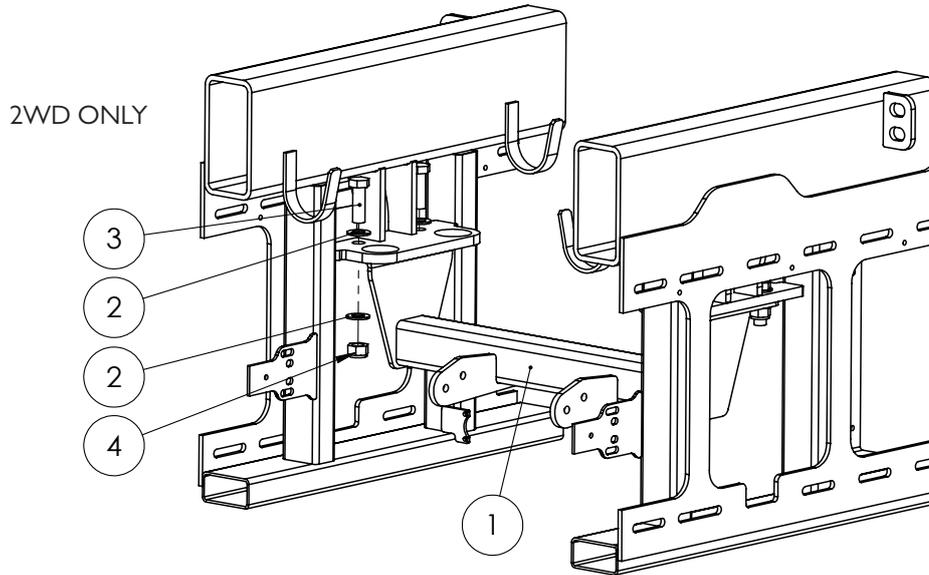


## BONNET SPARE PARTS

PART NUMBER	DESCRIPTION
GA3000082	Globe, HB3, 12v, 60w, Narva
GA5075415	Indicator / Running Light Assembly, LED
GA5072720	Bonnet Grill Mesh, suit GA5072135 and GA5072145, 2015 - 2019 design, no center support (one piece front mesh)

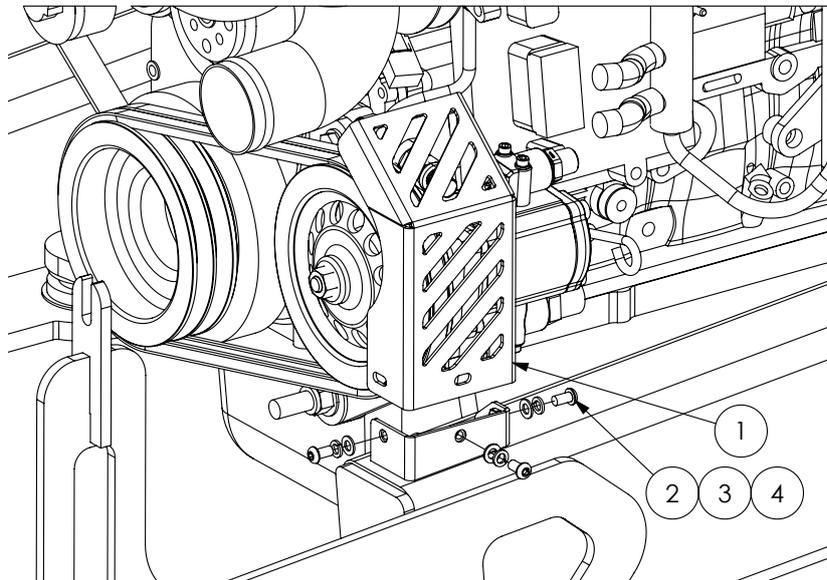
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5072135	Bonnet, Crop Cruiser, G5 G6	1
2	GA4502630	Spacer block, Bonnet latch, HDPE	2
3	GA5066595	Latch, Suit Crop Cruiser bonnet & ladder	2
4	GA5004437	Washer 6mm Flat SS	8
5	GA5070460	SHCS M6 x 60 SS A2-70	4
6	GA5004055	SHCS M6 x 20 GR12.9 ZP	4
7	GA0500078	Washer, 1" ID x 1 7/8" OD x 1/8" Thick, Nylon	4
8	GA4552765	Bolt Shoulder, suit SP Bonnet	2
9	GA5000925	SHCS M16 x 40 GR12.9 ZP	2
10	GA5001043	Washer 16mm Flat SS HD	2
11	GA5001029	Nut M16 Nyloc ZP	2

## Bolt-in Crossmember



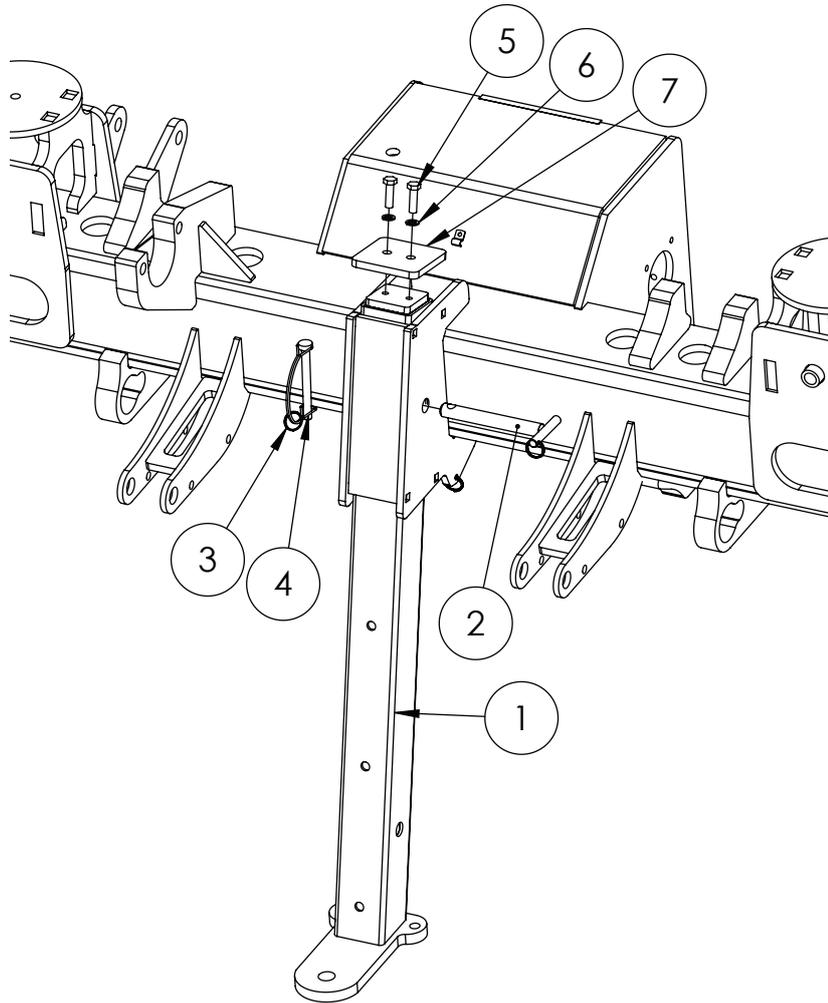
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658415	Cross Member Bolt In	1
2	GA5001741	Washer 20mm Flat SS Heavy Duty	8
3	GA5011333	Bolt M20 x 60 ZP GR8.8	4
4	GA5048125	Nut M20 Nyloc Coarse ZP	4

## Fan Pump Guard



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4507145	Fan Pump Pulley Guard Plate	1
2	GA5004696	BHCS M8 x 16 SS	3
3	GA5004919	Washer 8mm Spring SS	3
4	GA5003643	Washer 8mm Flat SS Heavy Duty	3

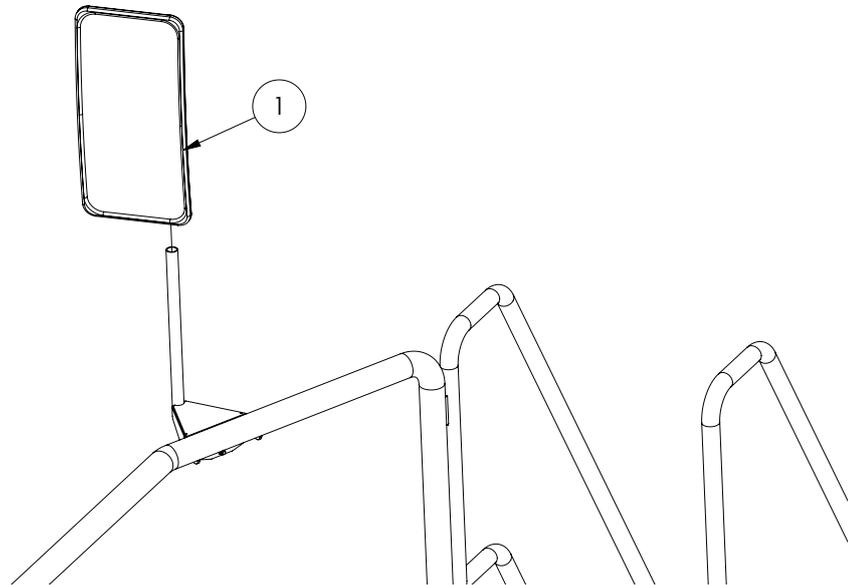
# Tow Bar



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659180	Towbar assembly	1
2	GA4659185	Pin assembly Tow bar	1
3	GA5002077	Key ring, 25mm, SS	4
4	GA5010905	Linch pin, 7/16" OD x 45mm long	1
5	GA5006111	Bolt M10 x 35 ZP GR8.8	2
6	GA5000137	Washer 10mm Spring SS	2
7	GA4504175	Plate, Top keeper Tow bar	1
-	GA5001491	Chain 2mm x 20 SS, 20 links	1

## Left Hand Mirror

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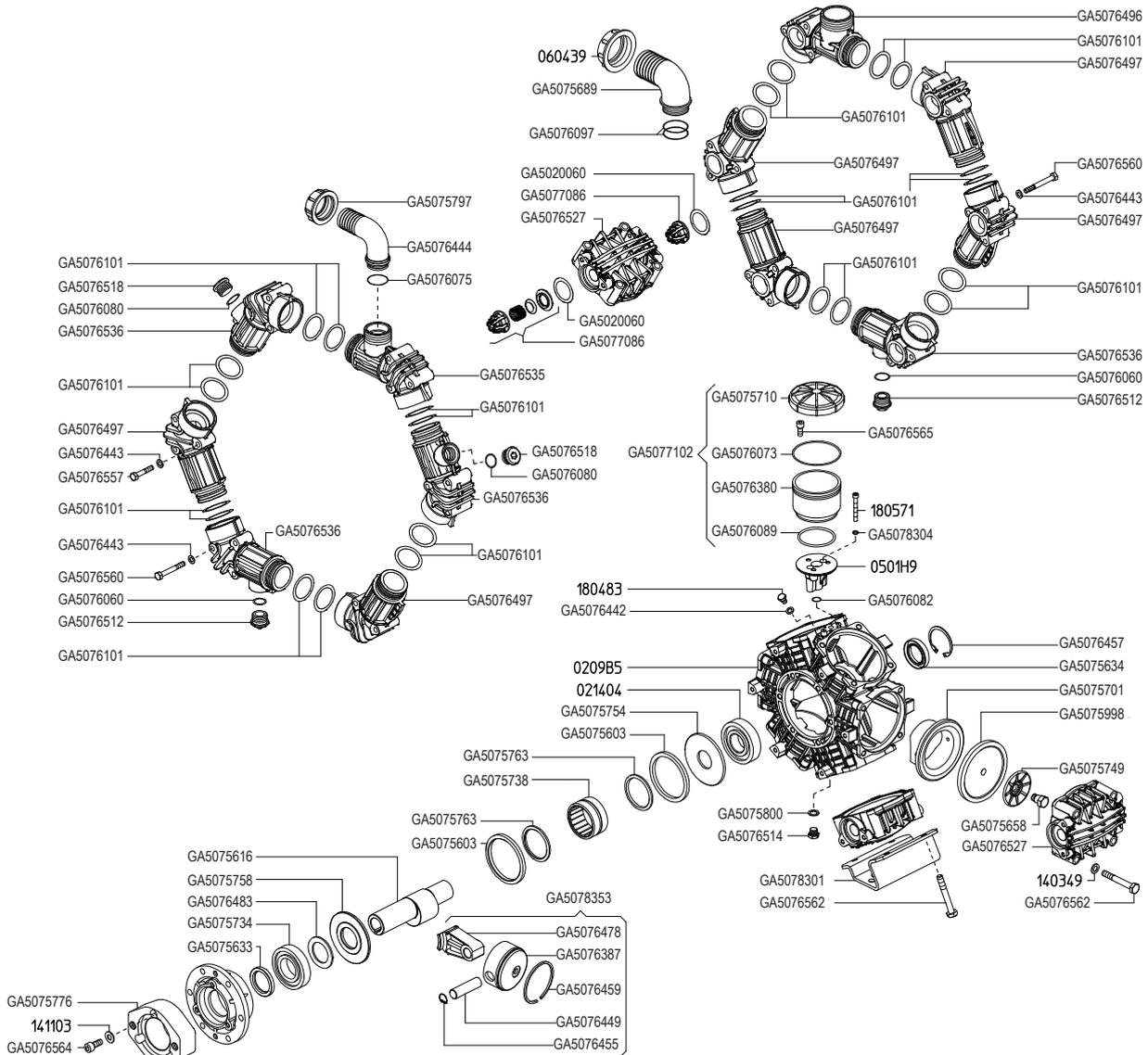


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054120	Side mirror, Complete assembly, Suit Claas cab	1
-	GA5054125	Side mirror glass, Suit Claas cab	-
-	GA5054130	Cover Cap Mirror suit Class Cab 2011	-
-	GA5069795	Grommet, Rubber, 28 OD x 7 thick, Material up to 2mm thick	-

# Chapter 2

## PUMPS

### Spray Pump - Zeta 260



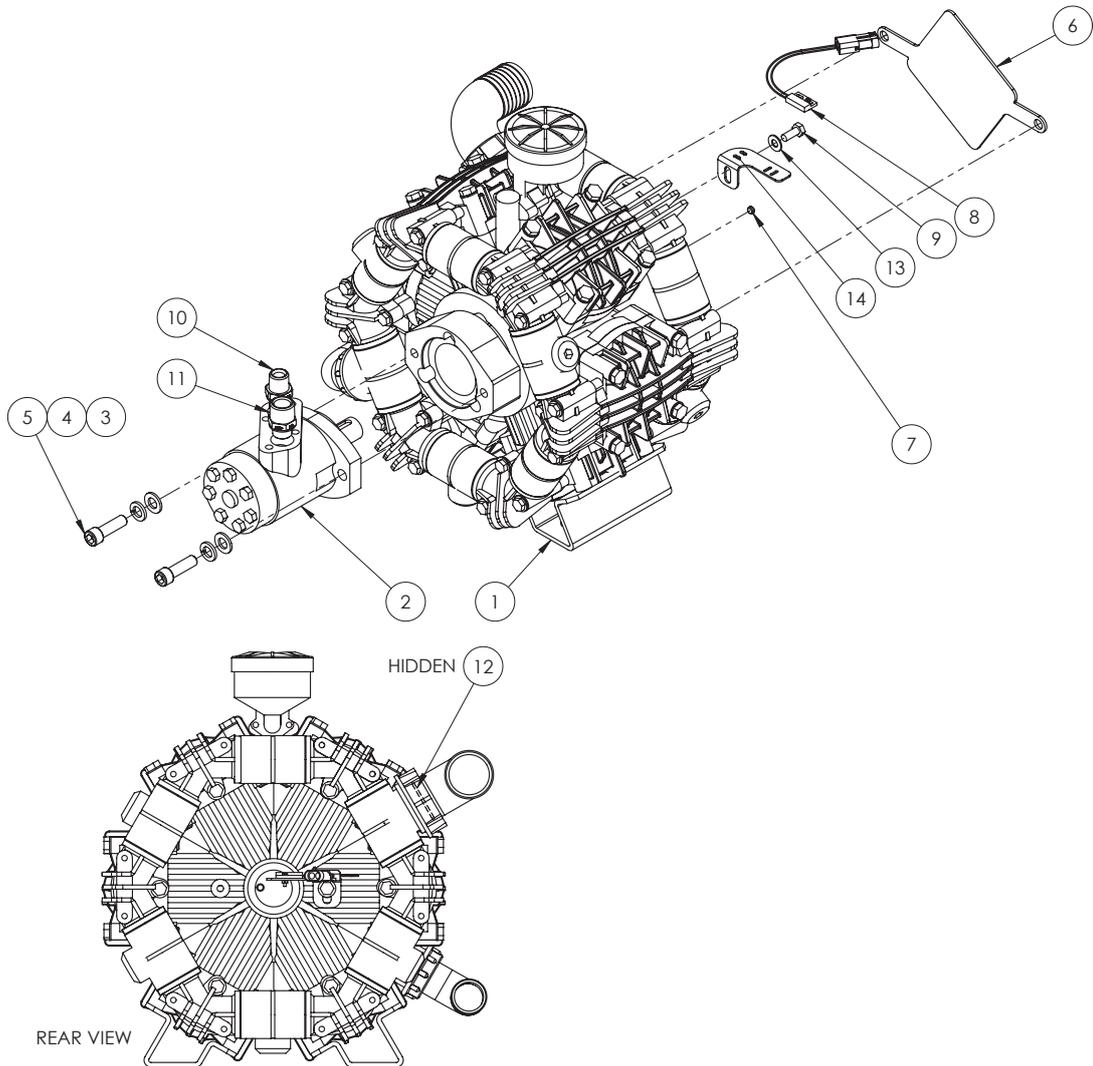
#### PUMP ASSEMBLY

PART NUMBER	DESCRIPTION	QTY.
GA5054500	Pump Zeta 260 MI-I	1

#### PUMP SERVICE PARTS

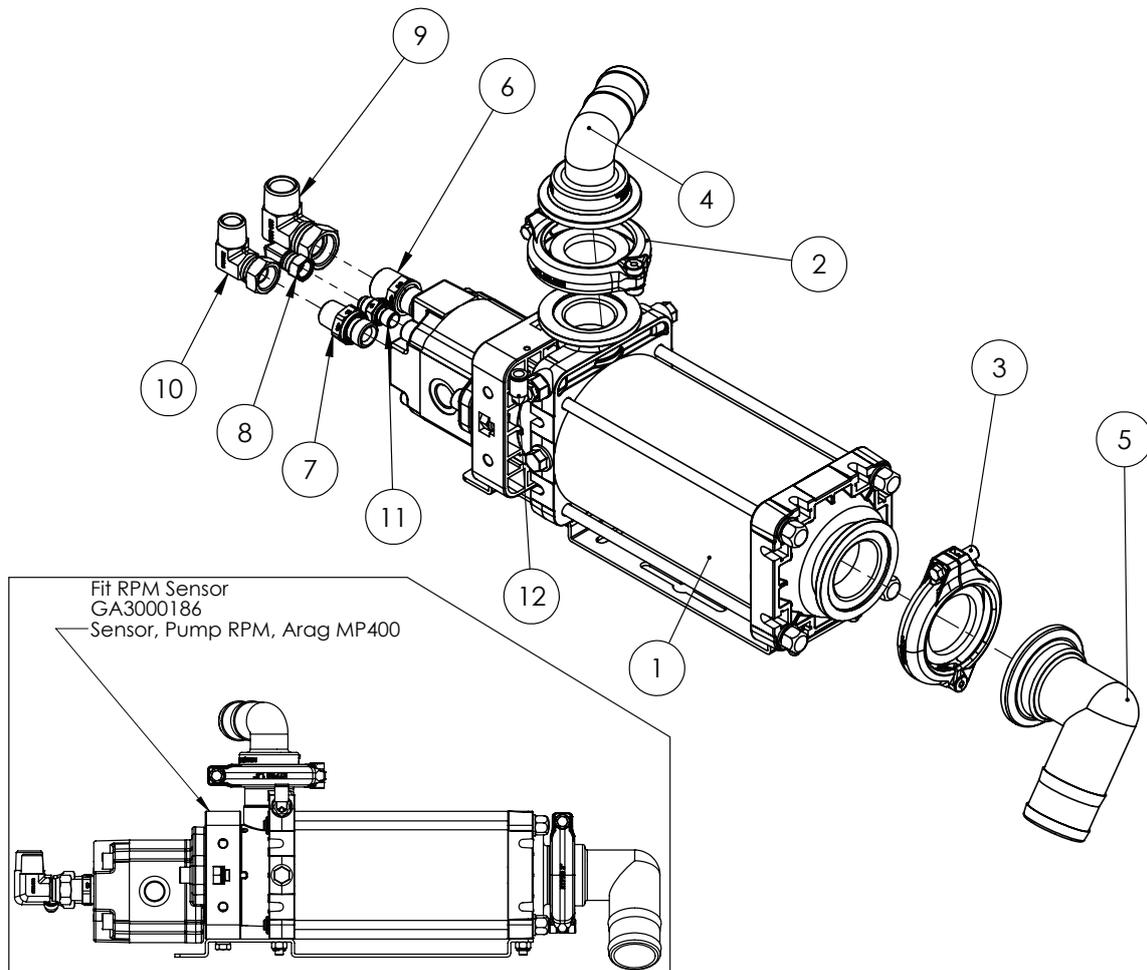
PART NUMBER	DESCRIPTION
GA5077793	Pump Diaphragm Kit suit Zeta 260 and RO250 Udor Pumps
GA5077792	Pump rebuild kit, includes diaphragms, seals & valves, Suits both Zeta 260 and RO250 in PTO and Hyd Drive
GA5023115	Seal kit, 60cc & 80cc hydraulic motor, GA5009525 and GA5047515

# Spray Pump - Zeta 260 - Hydraulic Drive



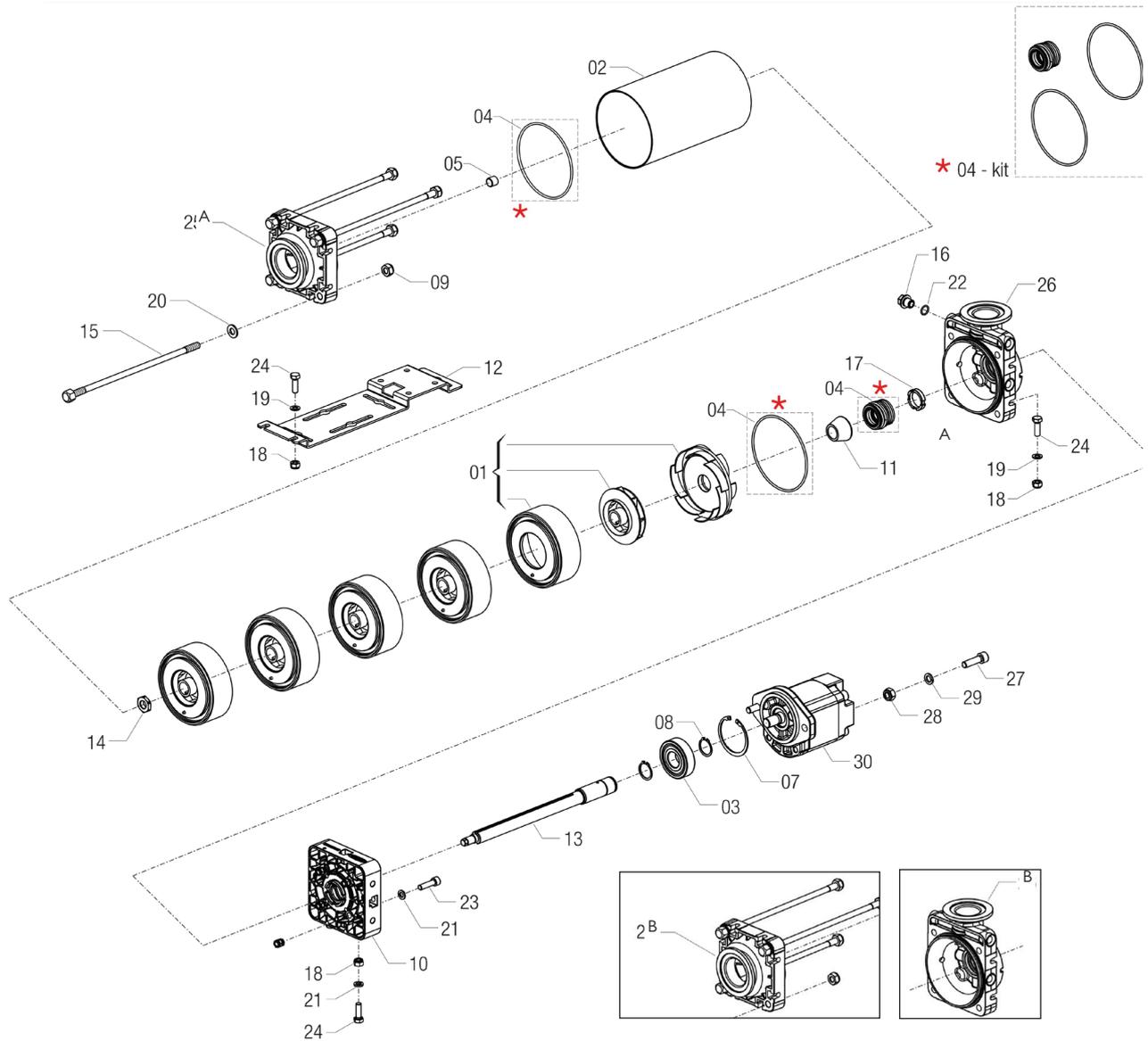
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054500	Pump Zeta 260 MI-I	1
2	GA5047515	Motor, hydraulic, 80cc/rev, 25.4mm shaft, Suit spray pump drive	1
3	GA5000577	Washer 12mm Flat SS HD	2
4	GA5000575	Washer 12mm Spring SS	2
5	GA5000321	SHCS M12 x 40 GR12.9 ZP	2
6	pumpcover250	Plate, Rear Pump Shaft Cover, RO250	1
7	GA5016169	Magnet, High strength, 12mm diameter x 1.5mm thick	1
8	GA5076307	Pump RPM sensor with Connector suit 4400/4070	1
9	GA5004085	Bolt M8 x 20 GR8.8 ZP	1
10	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	1
11	GA3500313	Hydraulic adaptor, Nipple, 3/4" BSPT male x 1/2" BSPP male	1
12	GA5048385	O ring, 42.5 x 2.62 mm, BS131, suit 2" hose barb	1
13	GA5003643	Washer 8mm Flat SS HD	1
14	GA4525010	RPM sensor mount bracket, suit Udor MI pump	1

# Spray Pump - ARAG MSP400



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA3000186	Sensor, Pump RPM, Arag MP400	1
1	GA2000123	Pump, Multistage Centrifugal, Hydraulic Drive, 2" FP Flange Inlet, 2" SP Flange Outlet, Arag MP400	1
2	GA2000114	Flange Clamp, and Gasket, 1.5"	1
3	GA2000115	Flange Clamp, and Gasket, 2"	1
4	GA5077834	Hose barb, Elbow, 90 degree, 2" flange x 1 1/2" hose	1
5	GA5077860	Hose barb, Elbow, 2 FP Flange X 2 HB 90 Degree	1
6	GA3500313	Hydraulic adaptor, Nipple, 3/4" BSPT male x 1/2" BSPP male	1
7	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	1
8	GA3500002	Hydraulic Adaptor Elbow, 90 Degree, 9/16" male JIC, 9/16" Female Swivel	1
9	GA3500334	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP female swivel	1
10	GA3500333	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel	1
11	GA3500544	Hydraulic Adaptor Nipple, 1/4" BSP O-ring x 9/16" JIC	1
12	GA5052690	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 8 mm push type, Metal	1

# Spray Pump - ARAG MSP400 Assembly



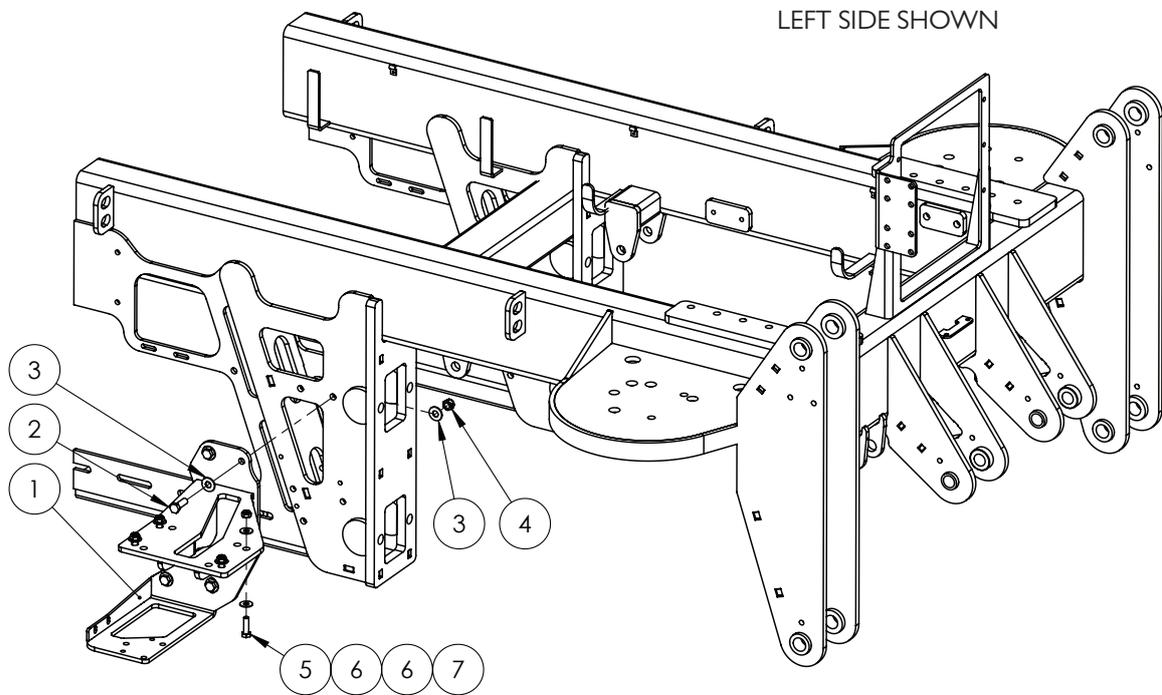
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA3000186	Sensor, Pump RPM, Arag MP400	-
-	GA2000129	Pump, Multistage Centrifugal, T7 Inlet T6 Outlet, Arag MP400, Pump Only, No Motor or RPM Sensor	-
1	GA5073640	Impeller kit MSP400 PP pump	-
2	GA2000182	Pump tube cover	-
3	GA5078740	Radial Ball Bearing, 6305-2RS, Suit, ARAG, MSP400, 970000.06 I	-
4	GA5073620	Tightening kit	-
5	GA2000183	Spacer	-
7	GA2000184	Circlip inner	-
8	GA2000185	Circlip outer	-
9	GA5078744	Self-Locking Nut M10 INOX UNI7474, Suit, ARAG, MSP400, B1226 I	-
10	GA2000186	Bearing support	-

Continued over page

## Spray Pump - ARAG MSP400 Assembly

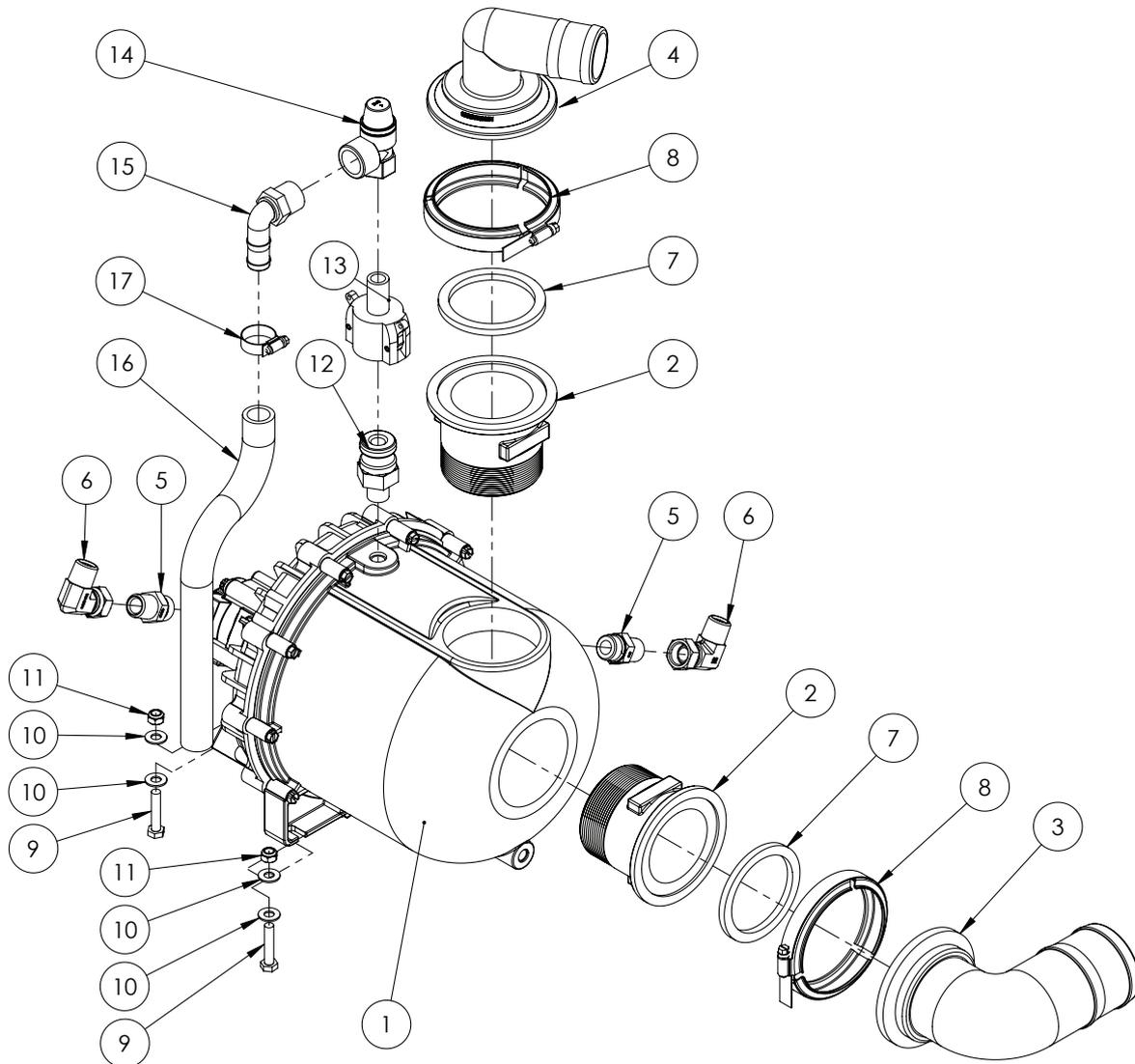
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
11	GA5073625	Internal spacer MSP400 pump	-
12	GA5078745	Bracket, Fixing, Suit, ARAG, MSP400, 970050.05	-
13	GA2000187	Shaft	-
14	GA5078747	Bolt, Impeller, Tightening, Suit, ARAG, MSP400, 97000.082	-
15	GA5078748	Fixing Screw, 10x268mm S/S, Suit, ARAG, MSP400 Pump, 970050.091	-
16	GA5078749	Plug, 1/4"M, Suit, ARAG, MSP400 Pump, 970000.084	-
17	GA5073630	Seal spacer	-
18	GA5078750	Nut, Self Locking, M8, INOX UNI7474, Suit, ARAG, MSP400 Pump, B12251	-
19	GA5078751	Washer, Flat, 8.4x15x1.5 INOX, Suit, ARAG, MSP400 Pump, B202H0	-
20	GA5078752	Washer, Flat, D10.5x21x2, INOX, Suit, ARAG, MSP400, B202J0	-
21	GA5078753	Washer, Grover, D 8.2 INOX UNI11751, Suit, ARAG, MSP400 Pump, B222H0	-
22	GA2000188	O-ring, 1.78 x 12.42 mm, Viton	-
23	GA5078755	Screw, TCEI, 8x30, INOX UNI5931, Suit, ARAG, MSP400 Pump, VIC25L	-
24	GA5078756	Screw, TE, 8x25 INOX	-
25A	GA2000189	Flange, Inlet, T7F	-
25B	GA2000191	Flange, Inlet, 220 2" FP	-
26A	GA2000190	Flange, Outlet, T6	-
26B	GA2000192	Flange, Outlet, 220 2" SP	-
27	GA5078757	Screw, TCEI, 10x35, INOX UNI5931, Suit, ARAG, MSP400 Pump, VIC26M	-
28	GA5078744	Self-Locking Nut M10 INOX UNI7474, Suit, ARAG, MSP400, B12261	-
29	GA5078758	Washer, Grover, 10.5x17.5x2.2 INOX, Suit, ARAG, MSP400 Pump, B222J0	-
30	GA5073645	Pump motor, Hydraulic pump, MP400/MSP400, Arag, 9700000.100	-
31	GA2000193	Fork D.4, DIST.47, MSP400, ARAG, 10006	-
32	GA2000194	Fork D.5, DIST.59, MSP400, ARAG, 10007	-

## Spray Pump & Suction Filter Mount



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659140	Pump Mount Bracket, Crop Cruiser LH	1
	GA4659141	Pump Mount Bracket, Crop Cruiser RH	1
2	GA5000311	Set screw, M12 x 35, ZP GR 8.8	4
3	GA5017655	Washer 1/2 Flat SS	8
4	GA5012461	Nut M12 Nyloc ZP	4
5	GA5006111	Bolt M10 x 35 ZP GR8.8	4
6	GA5002565	Washer, 3/8" ID x 1" OD, Flat SS	8
7	GA5000141	Nut M10 Nyloc ZP	4

# Hydraulic Fill Pump



## SPARE PARTS

PART NUMBER	DESCRIPTION
GA5072631	Pump casing, Rear, Poly 3" BSP, Transfer, Viton, Hydraulic drive, GA5072085
GA5072605	Shaft seals, Carbon ceramic, Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive
GA5072610	Impeller, High volume, Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive
GA5072620	Drain plug, Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive
GA5072625	Filler plug, Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive
GA5072630	Pump casing, Front, Poly 3" BSP, Transfer, Viton, Hydraulic drive
GA5072600	Seal conversion kit, Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive
GA5072075	Seal kit, Pump, Poly 3" BSP, Service Kit, No Mech Seal

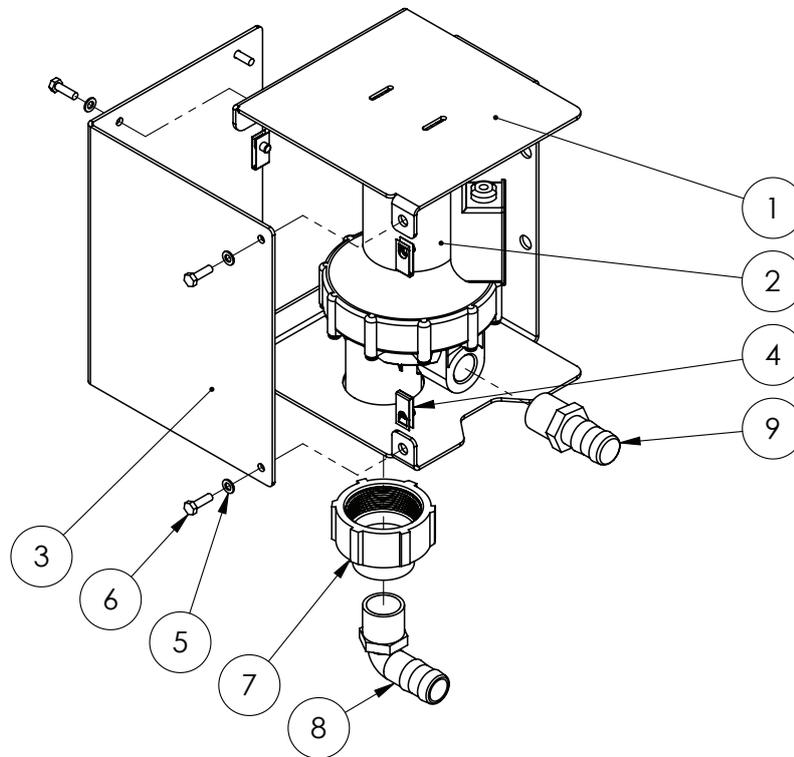
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5072075	Seal kit, Pump, Poly 3" BSP, Complete rebuild, suit GA5072085	-
1	GA5072085	Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive	1
2	GA5077876	Plumbing Fitting, 3" Flange to 3" BSP Thread	2

Continued over page

## Hydraulic Fill Pump

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
3	GA5077875	Hose barb, Elbow, 90 degree, 3" flange x 3" hose	1
4	GA5077871	Hose barb, Elbow, 90 degree, 3" flange x 2" hose barb	1
5	GA3500364	Hydraulic adaptor, Nipple, 1/2" BSPT male x 7/8" UN male O-ring	2
6	GA3500333	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel	2
7	GA5076723	Seal, EPDM, Suit 3" flange fitting	2
8	FC300	Hose clamp, Worm screw, 3"	2
9	GA5048655	Bolt M8 x 40 ZP GR8.8	4
10	GA5003643	Washer 8mm Flat SS HD	8
11	GA5052590	Nut M8 Nyloc SS	4
12	GA5075782	Cam lever, 3/4" male coupling x 1/2" male thread	1
13	GA5077128	Cam lever, 3/4" female coupling x 1/2" male thread	1
14	GA2000131	Pressure relief valve, Spike, 4 Bar, 1/2" in, 3/4" out, Brass	1
15	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	1
16	GA2000216	Hose, Pressure, 20mm, Black 250psi	1
17	GA5000999	Hose Clamp, 3/4", SS	1

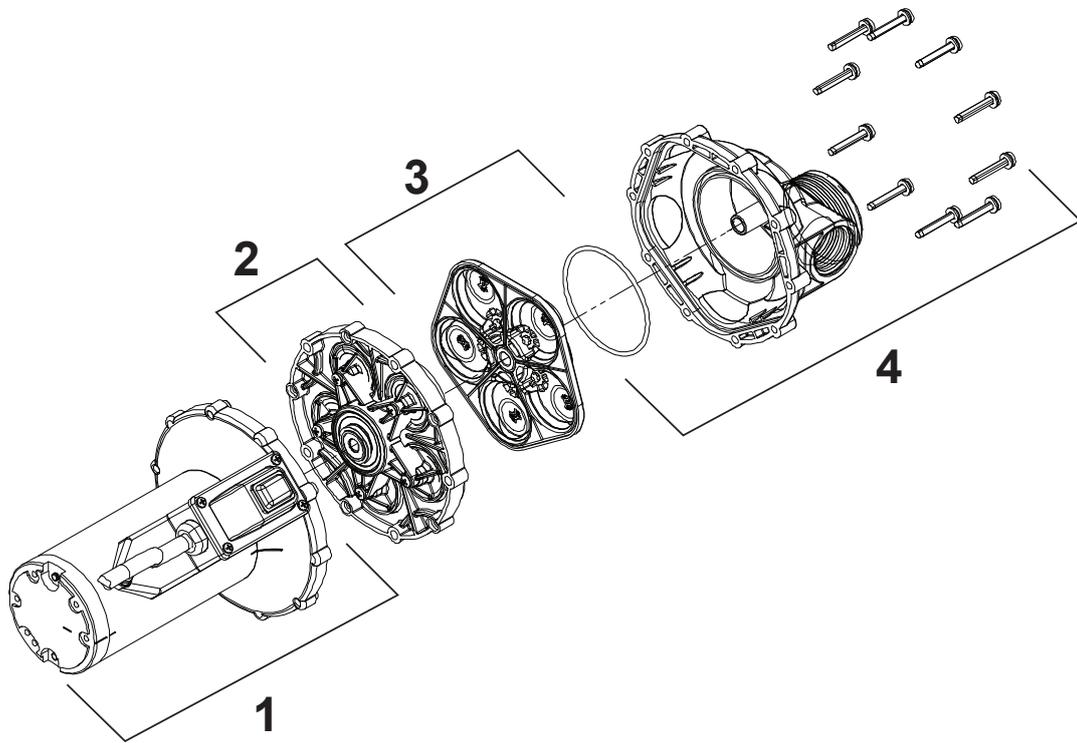
# Chemical Transfer Pump



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4508500	Plate, Mount Shurflo Pump Crop Cruiser	1
2	GA2000030*	Pump, Diaphragm, Chemical transfer 12v, Viton SHURflo	1
3	GA4508505	Plate, Cover Shurflo Pump Crop Cruiser	1
4	GA5066830	Speed clip M6	6
5	GA5004437	Washer 6mm Flat SS	6
6	GA5004063	Bolt M6 x 20 SS A-70	6
7	GA2000032	Reducing coupling, 2" female NPT to 1" female NPT	1
8	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	1
9	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1

\* Sub-assembly on following pages

# Chemical Transfer Pump Assembly



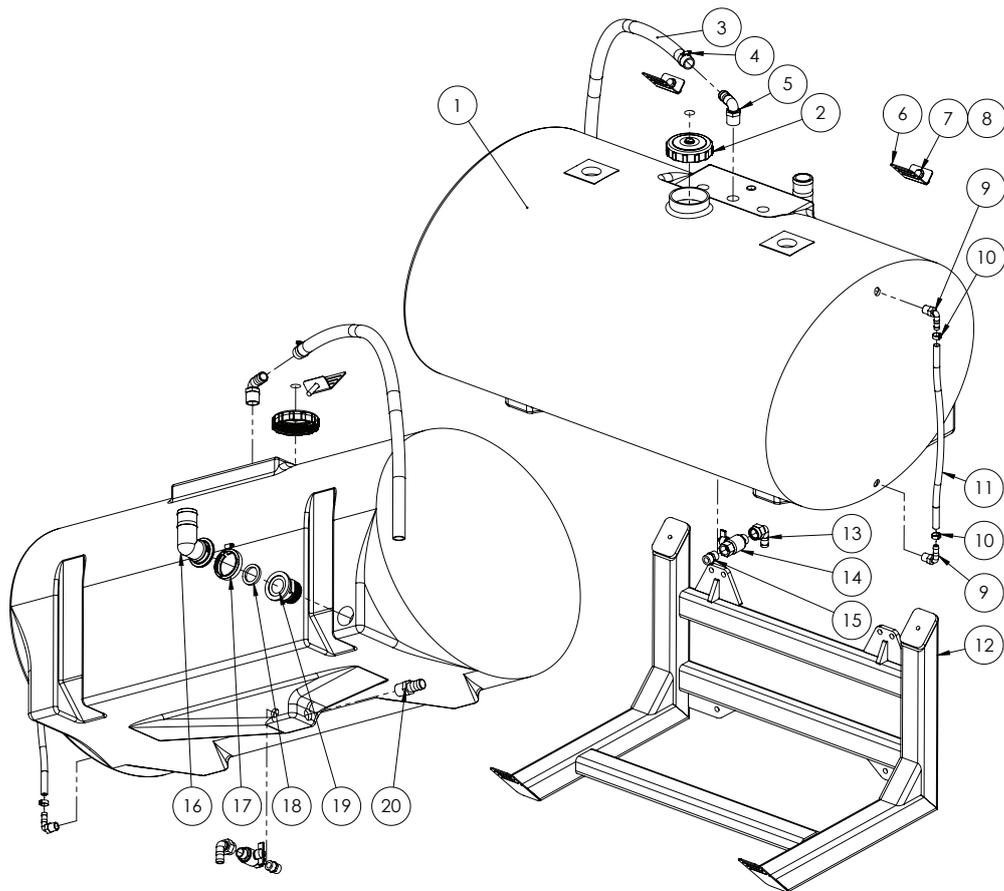
ITEM NO.	PART NUMBER	DESCRIPTION
-	GA2000030	Pump, Diaphragm, Chemical transfer 12v, Viton SHURflo
1	-	Motor Assembly Kit
2	GA2000033	Diaphragm, Drive Assembly Kit, Housing, replacement, SHURflo
3	GA2000034	Valve Housing Kit, Viton, replacement, SHURflo
4	-	Upper Housing Assembly Kit

NOTE: Not all parts stocked.

# Chapter 3

## FLUSH TANK

### Flush Tank & Frame



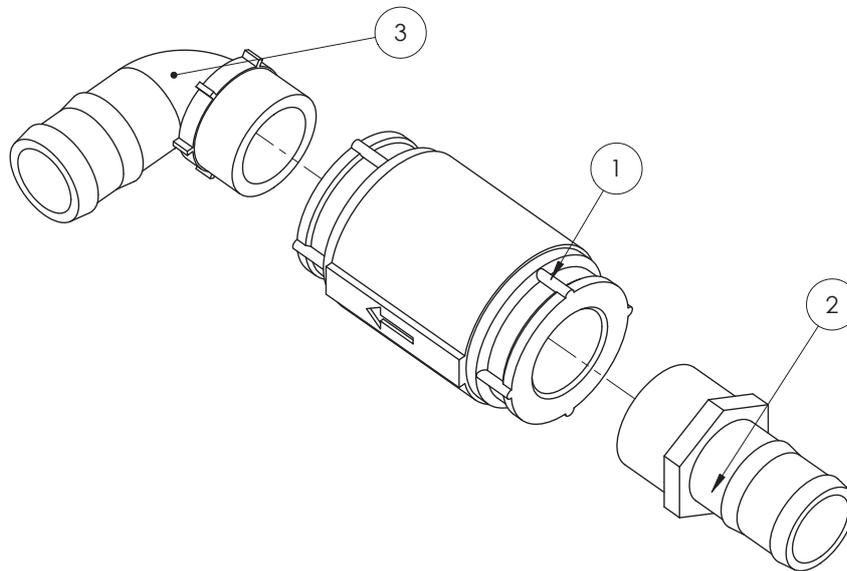
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069961	Tank, 520L, Fresh Water SP Black, Bare	1
2	GA5076885	Lid, Diameter 113mm, With breather	1
3	GA2000220	Hose, Suction, PVC, 25mm, Black - Cut to 1120 mm	1
4	GA5001681	Hose Clamp, 1 SS (20-32/12W)	1
5	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	1
6	F70127A	Bracket, Tank strap, 50 mm	2
7	GA5011239	Bolt M12 x 50 GR 8.8 ZP	2
8	GA5007475	Washer 12 x 22mm Copper	2
9	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	2
10	GA5007231	Hose clamp, Cobra type, 1/2"	2

Continued over page

## Flush Tank & Frame

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
11	GA2000209	Hose, Clear, 12mm, Sight tube	1
12	GA4658936	Fresh Water Tank Frame 520L	1
13	GA5077746	Hose barb, Elbow, 90 degree, 3/4" female thread x 3/4" hose	1
14	GA5018315	Valve, Ball, 20mm, 3/4" male, female, Black Butterfly handle, Brass	1
15	GA5077913	Nipple, 3/4" male x 3/4" male, Short	1
16	GA5077838	Hose barb, Elbow, 90 degree, 2" flange x 2" hose	1
17	FC200	Clamp, Worm screw, Use with 2" standard flange port	1
18	GA5009335	Seal, 41.5 ID x 55 OD x 6.5 mm thick, EPDM, suit 1 1/2" flange	1
19	GA5077839	Connector, Manifold, 2", Male, M200BSP	1
20	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1

## Flush Tank - Check Valve Assembly

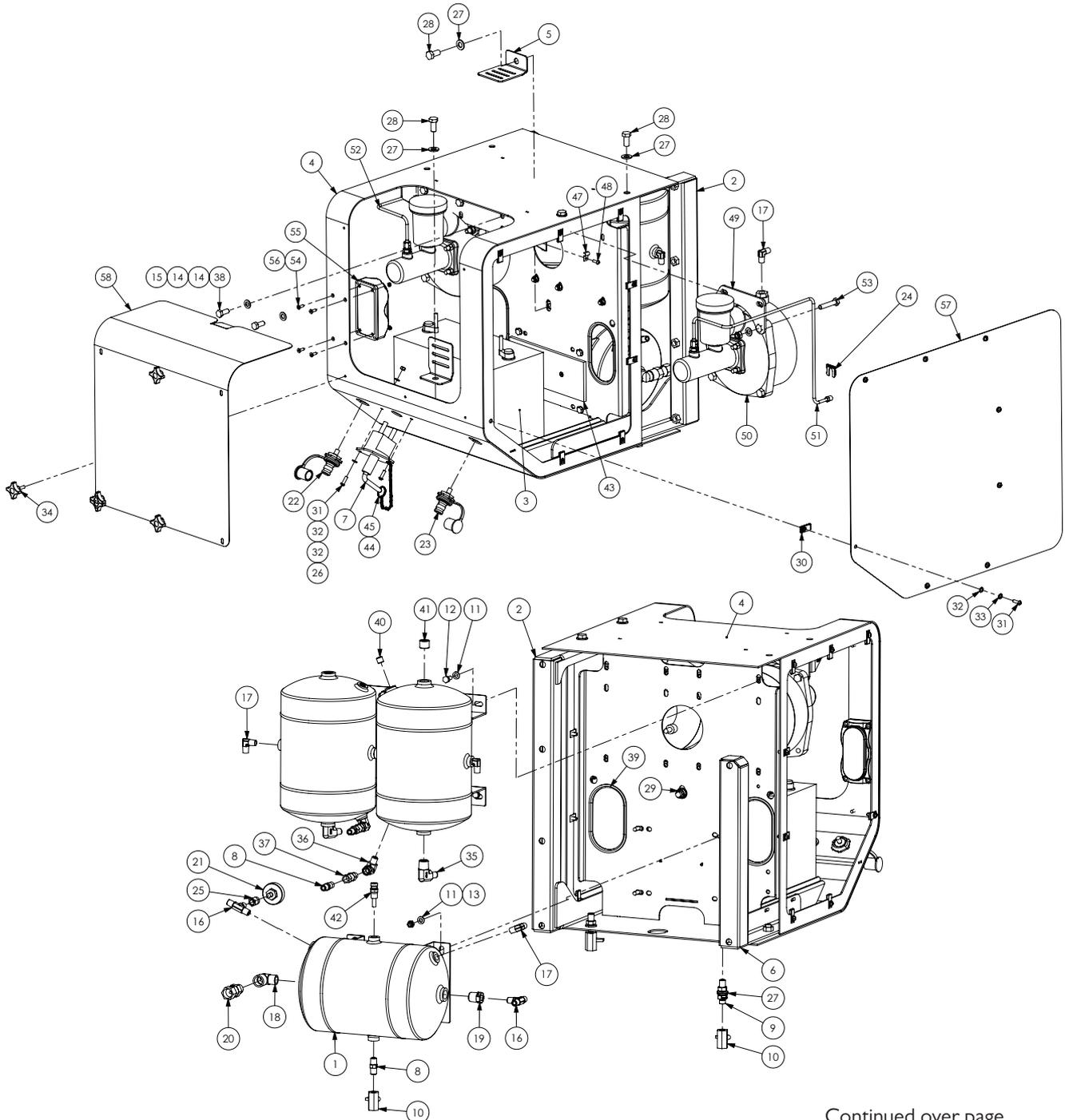


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA2000111	Valve, Check, 2" Female Thread Inlet and Outlet	1
2	GA5077737	Hose barb, Straight, 2" male thread x 2" hose	1
3	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose	1

# Chapter 4

## RH POD

### Brake Booster & Battery Pod - Catai Booster



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## Brake Booster & Battery Pod - Catai Booster

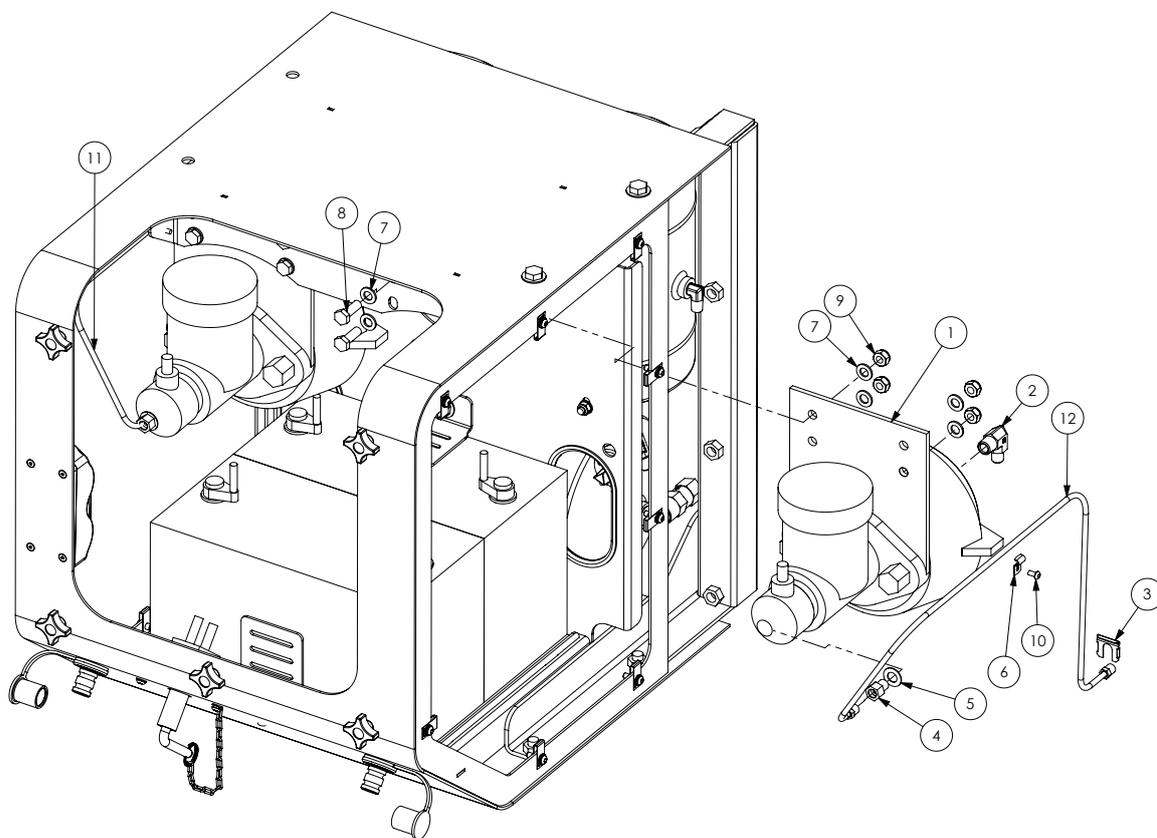
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070310	Air tank, Large	3
2	GA4658806	Brake pod support arm	1
3	GA5066240	Battery, Delkor 31-900, 900 CCA	2
4	GA4658080	Pod frame, Brake and Air tanks	1
5	F70127A	Bracket, Tank strap, 50mm	2
6	GA4658085	Mount arm, Brake Pod boom rest side	1
7	GA5005787	Battery isolator switch large	1
	GA5005788	Battery isolator replacement key, suit GA5005787	-
8	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSP x 1/4" BSP	3
9	GA3500249	Hydraulic adaptor, Bulkhead nipple, 1/4" BSP male x 1/4" BSP male	2
10	GA5018321	Valve, Ball, 1/4" female thread inlet / outlet, Lever handle, SS	3
11	GA5003643	Washer 8mm Flat SS HD	24
12	GA5004085	Bolt M8 x 20 ZP GR8.8	12
13	GA5004917	Nut M8 Nyloc ZP	12
14	GA5000117	Washer 10mm Flat SS HD	8
15	GA5000141	Nut M10 Nyloc ZP	4
16	GA3500269	Hydraulic adaptor, Tee, 1/4" BSP male x 1/4" BSP male x 1/4" BSP male	2
17	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male	5
18	GA5048150	Plumbing adaptor, Elbow, 90 degree, 1/2" male thread x 1/2" female thread, Cast	1
19	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female	1
20	GA5014795	SC3 single check valve 1/2" M/F	1
21	GA5011059	Pressure switch, Low air, 55 PSI actuation, SPDT, 1/8"	1
22	GA5006383	Battery Jumper Stud Positive	1
23	GA5006381	Battery Jumper Stud Negative	1
24	GA5010359	Clip for brake hose	2
25	GA5069925	1/4" - 1/8" BSPT female reducing socket	1
26	GA5048115	Nut M6 Nyloc ZP	2
27	GA5000577	Washer 12mm Flat SS HD	13
28	GA5011229	Bolt M12 x 25 ZP GR8.8	8
29	GA5012461	Nut M12 Nyloc ZP	1
30	GA5066830	Speed clip M6	16
31	GA5004053	BHCS M6 x 20 SS	18
32	GA5004437	Washer 6mm Flat SS	20

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## Brake Booster & Battery Pod - Catai Booster

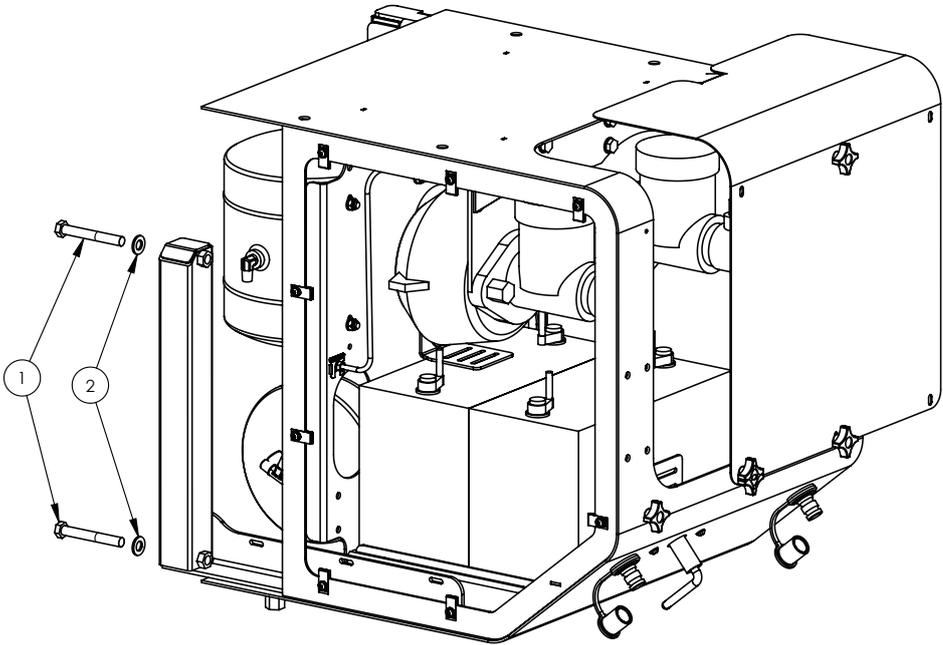
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
33	GA5004447	Washer 6mm Spring SS	16
34	GA5069965	Star Knob 40 OD x M6 x 20mm	5
35	GA3500260	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/4" BSPT male	2
36	GA3500209	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT female	2
37	GA5014796	Valve, Check, Pneumatic, 1/4" thread female inlet & male outlet	2
38	GA5006161	Bolt M10 x 25 ZP GR8.8	4
39	GA5012989	Pinchweld, Small Black S/Bulb 10mm x 16mm (cut 380mm)	2
40	GA5070300	Plug - Flush fit 1/4" BSPT	4
41	GA5070305	Plug - Flush fit 1/2" BSPT	2
42	GA5017369	Valve Pressure Relief	1
43	GA5069915	Nylon spacer Battery box	1
44	GA5001491	Chain 2mm x 20 SS	1
45	GA5002077	Key ring, 25mm, SS	1
46	GA5003859	Strap, Tank, 50mm, Goldacres branded - (Cut 670mm Long)	1
47	GA5007205	Clip for brake line 3/16"	2
48	GA0500004	BHCS M5 x 20, SS	2
49	GA4505910	Mounting Plate Brake Booster Catai	2
	GA5070890	Brake Booster Catai 2013 Crop Cruiser	2
50	GA5071750	Seal Kit, Brake Booster Pump, Master Cylinder, Catai. suit GA5070890 - 1 kit needed per cylinder (includes 2 seals)	-
51	GA4905480	Brake Tube Assembly 1 Catai Booster	1
52	GA4905481	Brake Tube Assembly 2 Catai Booster	1
53	GA5006057	Bolt M10 x 50 ZP GR8.8	4
54	GA5051230	CSCS M5 x 16 Countersink SS	6
55	GA5050630	Buss Bar, 300 amp	1
56	GA5069695	Nut M5 Plain ZP	4
57	GA4514573	End cover 09 Cropcruiser DCI pod full cover	2
58	GA4503490	Cover - POD shell Brake / Air Pod	1

## Brake Booster & Battery Pod - PBR Booster



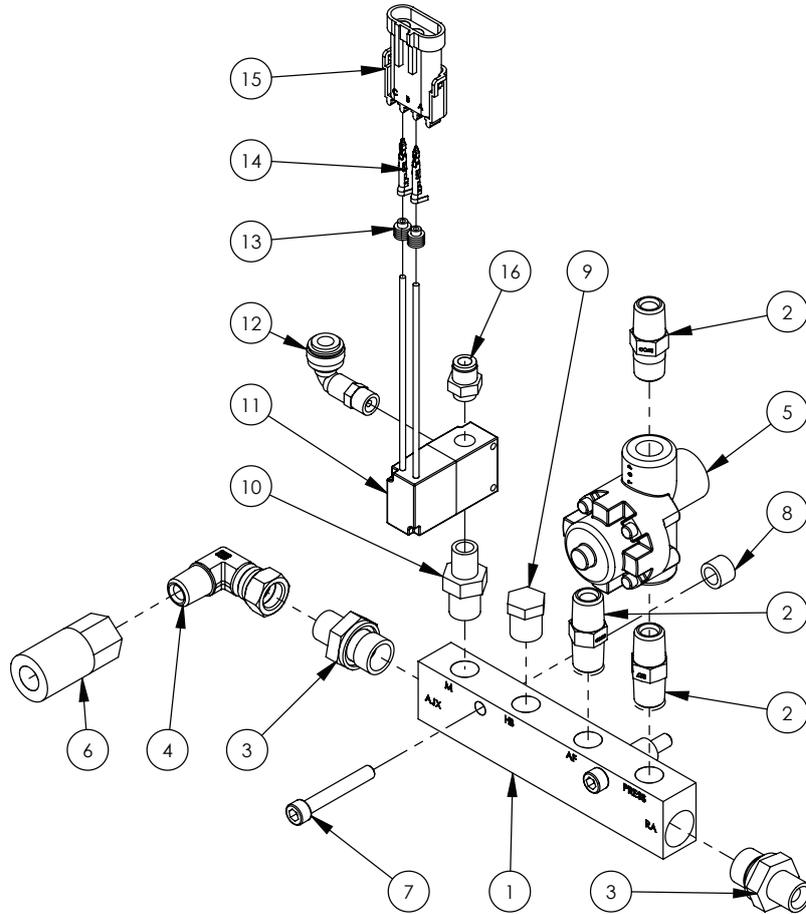
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	GA5006711	Brake booster, CA14 Master Cylinder Unit	2
1	GA5020000	Seal kit, suit CA14 Master Cylinder GA5006711 - 1 kit needed per cylinder	-
2	GA3500259	Hydraulic adaptor, Elbow, 90 degree, 3/8" BSPT male x 1/4" BSPT male	2
3	GA5010359	Clip for brake hose	2
4	GA5012999	Pipe Adapter	2
5	GA5007475	Washer 12 x 22mm Copper	2
6	GA5007205	Clip for brake line 3/16"	2
7	GA5000117	Washer 10mm Flat SS HD	16
8	GA5065455	Bolt M10 x 30 ZP GR8.8	8
9	GA5000141	Nut M10 Nyloc ZP	8
10	GA0500004	BHCS M5 x 20, SS	2
11	GA4905135	Brake Line Pod - Rear Master	1
12	GA4905130	Brake Line Pod - Front Master	1

# Brake Booster & Battery Pod - Mounting



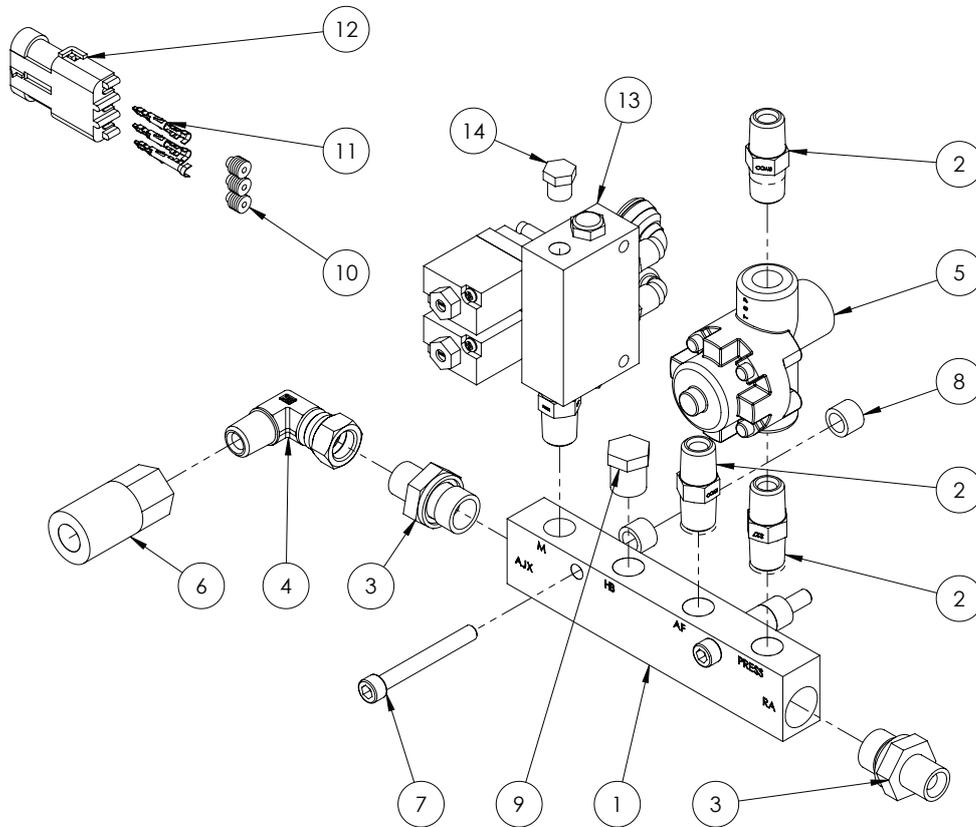
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5011263	Bolt M12 x 90 ZP GR8.8	4
2	GA5000577	Washer 12mm Flat SS HD	4

# Pneumatic Manifold - 2WD



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069195	Manifold Pneumatic, 3/8"- 1/4", 2 in 4 out	1
2	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male	3
3	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	2
4	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	1
5	GA5013433	Pressure Protection Valve	1
6	GA5076620	Coupling, Air, 1/4" BSPP female x female	1
7	GA5011411	SHCS M6 x 40 ZP GR12.9	2
8	GA4572280	Crush tube, 11.8 OD x 8 ID x 8.5mm long	2
9	GA5069335	Plug, 1/4" BSPT male thread, Brass	1
10	GA5013809	Reducing Nipple 1/4" x 1/8"	1
11	GA5071235	Pneumatic Solenoid Valve MAC 35 Series 1/8" Ports with Fly leads	1
12	GA5045145	Elbow, swivel, push in 6mm, Brass 1/8" BSP	1
13	GA5014857	Seal, Green, Weather pack connector, Wire from 2.03 - 2.85mm	2
14	GA5016617	Pin, Male, Sealed, Weather pack, Wire 1.0 - 2.0mm	2
15	GA5048550	Connector, Female, 3 Pin, Weather pack	1
16	GA5050210	Pneumatic fitting, Nipple, 1/8" BSPP male x 6mm push type	1

# Pneumatic Manifold - 4WD



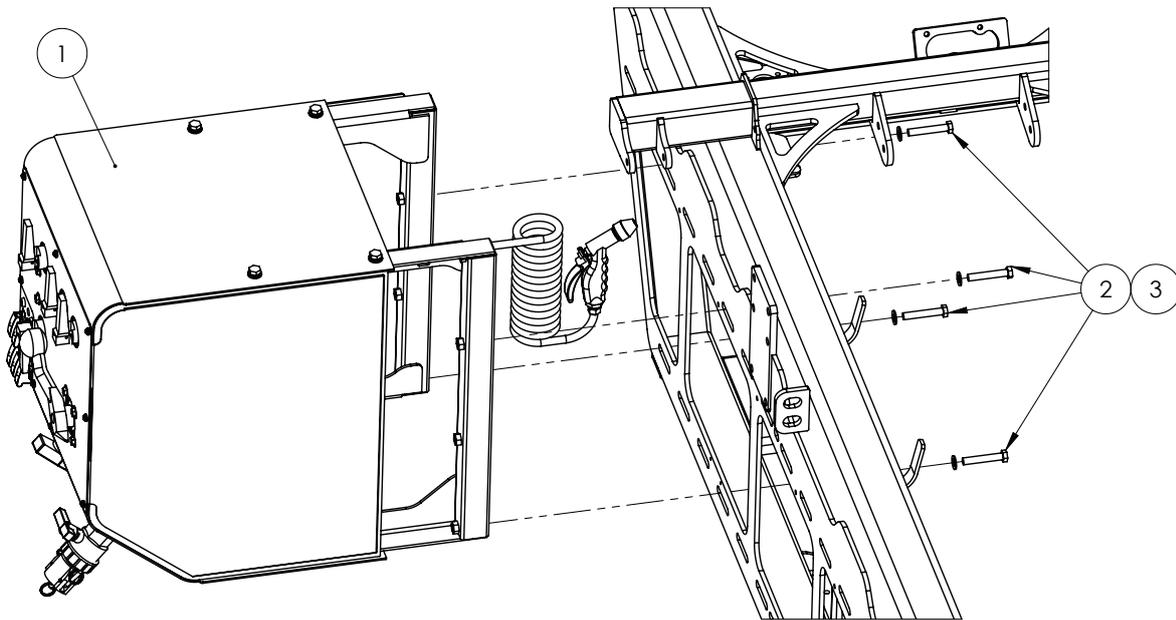
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069195	Manifold Pneumatic, 3/8" - 1/4", 2 in 4 out	1
2	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male	3
3	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	2
4	GA3500332	Hydraulic adapter, Elbow, 90 degree, 1/4" BSP male x 1/4" BSP female swivel	1
5	GA5013433	Pressure protection valve	1
6	GA5076620	Coupling, Air, 1/4" BSPP female x female	1
7	GA5011421	SHCS M6 x 50 ZP GR12.9	2
8	GA4572280	Crush tube, 11.8 OD x 8 ID x 8.5mm long	4
9	GA5069335	Plug, 1/4" BSPT male thread, Brass	1
10	GA5014857	Seal, Green, Weather pack connector, Wire from 2.03 - 2.85mm	3
11	GA5016617	Pin, Male, Sealed, Weather pack, Wire 1.0 - 2.0mm	3
12	GA5048550	Connector, Female, 3 Pin, Weather pack	1
13	GA5068804	Pneumatic valve bank 2 section with manual override	1
14	GA5055720	Plug, Brass, 1/8" BSPT	1



# Chapter 5

## LH POD

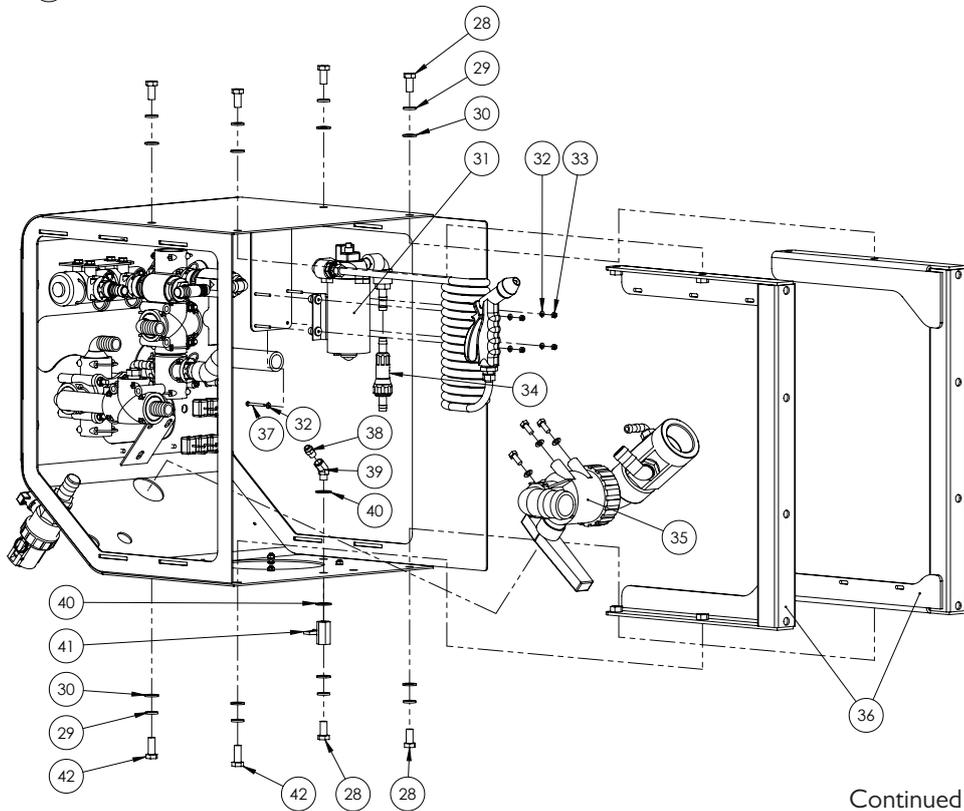
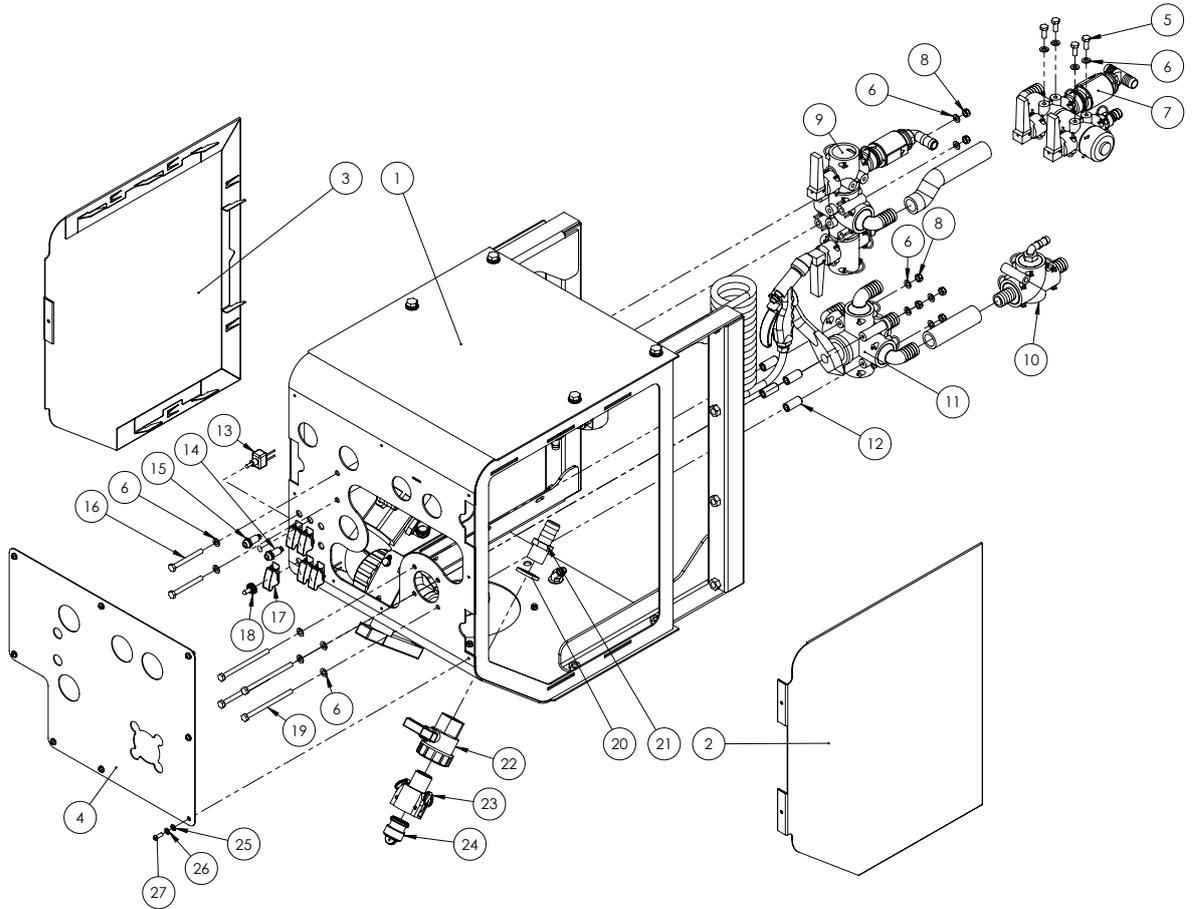
### LH Pod - Mounting



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	*	LH Pod	1
2	GA5000347	Bolt M12 x 70 ZP GR8.8	4
3	GA5000577	Washer 12mm Flat SS HD	4

\* Sub-assembly on following pages

# LH Pod - Base



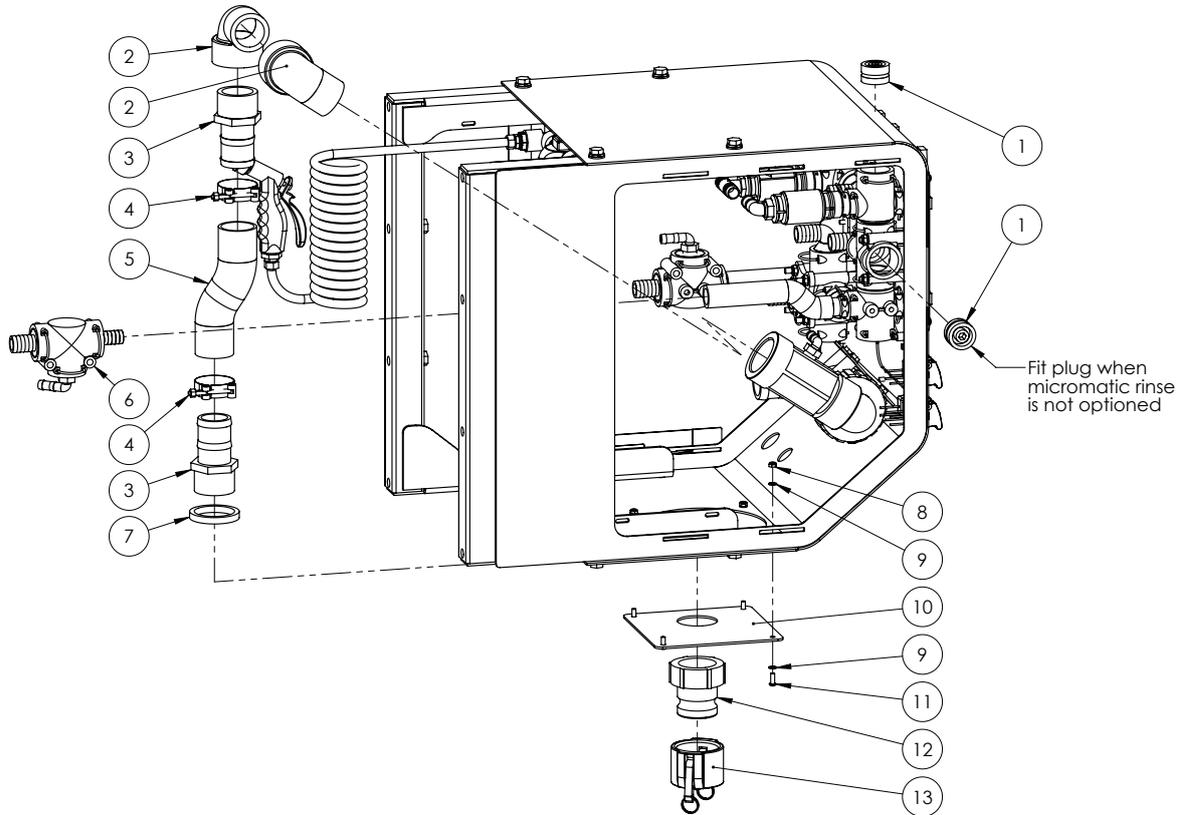
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## LH Pod - Base

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4600865	Plumbing Control Pod Frame	1
2	GA4401560	Plate, Side Cover B, Plumbing Pod	1
3	GA4401555	Plate, Side Cover A, Plumbing Pod	1
4	GA4401545	Plate, Decal Plumbing Pod	1
5	GA5004085	Bolt M8 x 20 GR8.8 ZP	7
6	GA5003643	Washer 8mm Flat SS HD	19
7	*	Main Tank Rinse/Agitation Manifold	1
8	GA5052590	Nut M8 Nyloc SS	6
9	*	Main Tank Rinse/Rinse Tank Fill Manifold	1
10	*	Hopper Manifold	1
11	GA4902240*	Rotary Tap Sub Assembly, Plumbing Pod	1
12	GA4552135	Spacer for Altek rotary valve	4
13	GA5016749	Switch, Toggle, On / Off, Water proof, pvc coated, 25 amp	5
14	GA5013799	Red LED warning light	1
15	GA5009647	Green LED warning light	1
16	GA5052600	Bolt M8 x 75 SS A2-70	2
17	GA5016753	Toggle switch cover (narva)	5
18	GA5012175	Cover, Toggle switch, Waterproof	5
19	GA5011501	Bolt M8 x 120 GR8.8 ZP	4
20	GA4552865	Spacer, POD fill point fitting 3/ 4"	1
21	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1
22	UV100FP	Valve, Ball, 1" female thread inlet / outlet, Full port, Lever handle	1
23	GA5076007	Cam lever, 1" female coupler, 1" male thread	1
24	GA5076013	Cam lever, Male plug, 1"	1
25	GA5004437	Washer 6mm Flat SS	16
26	GA5004447	Washer 6mm Spring SS	8
27	GA5004050	BHCS M6 x 16 SS A2-70	12
28	GA5011229	Bolt M12 x 25 GR8.8 ZP	6
29	GA5000575	Washer 12mm Spring SS	8
30	GA5000577	Washer 12mm Flat SS HD	8
31	*	Wash Down Gun Assembly	1
32	GA5011361	Washer 4mm Flat SS	8
33	GA5003501	Nut M4 Nyloc ZP	4
34	GA5008745	Filter, Inline, 1/ 2" hose barbs	1
35	*	Tank Fill Manifold Assembly	1
36	GA4658805	Mounting bracket U shape	2
37	GA5049800	SHCS M4 x 40 GR12.9 ZP	4
38	GA5045140	Pneumatic fitting, Nipple, 1/ 4" BSPT male x 6mm push type, Brass	1
39	GA5049405	Elbow, 1/ 4" BSPT Male x 1/ 4" BSPT Female, 45 Deg	1
40	GA5017673	Washer 1/ 2" High Tensile	2
41	GA5018321	Valve, Ball, 1/ 4" female, Black Lever handle, Chromed	1
42	GA5000305	Set Screw M12 x 30 GR8.8 ZP	2

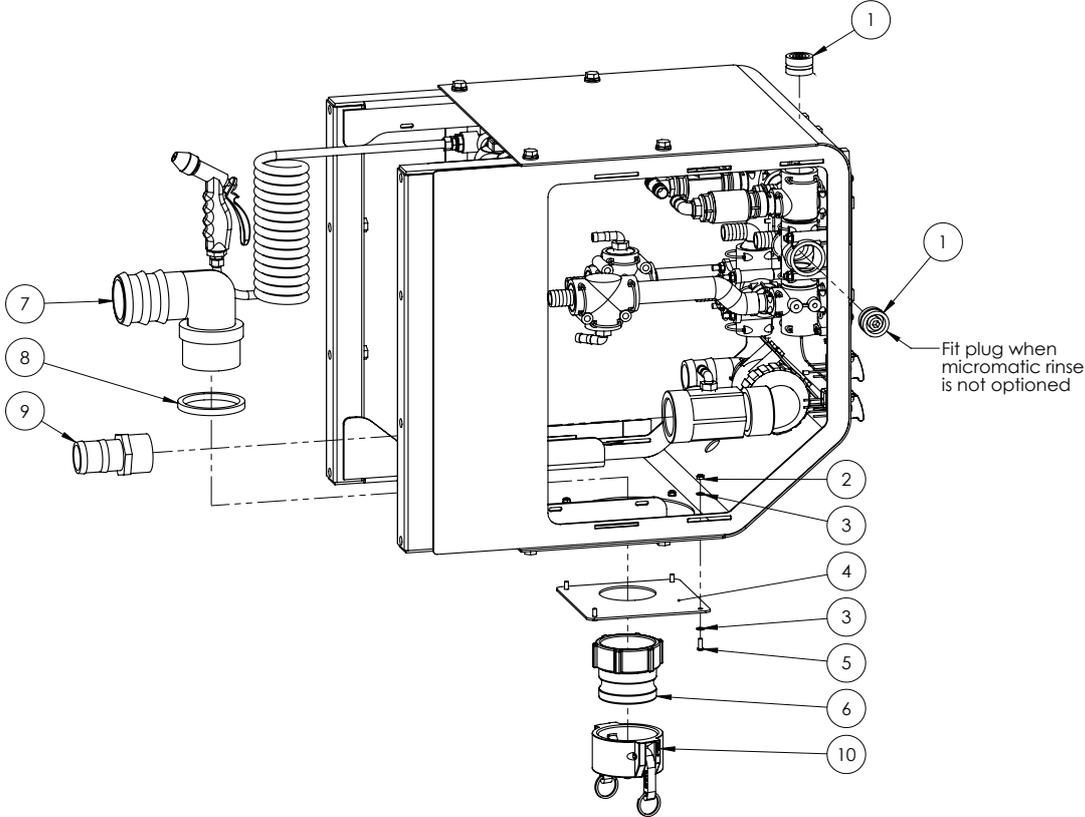
\* Sub-assembly on following pages

# LH Pod - 2" Fill - Standard



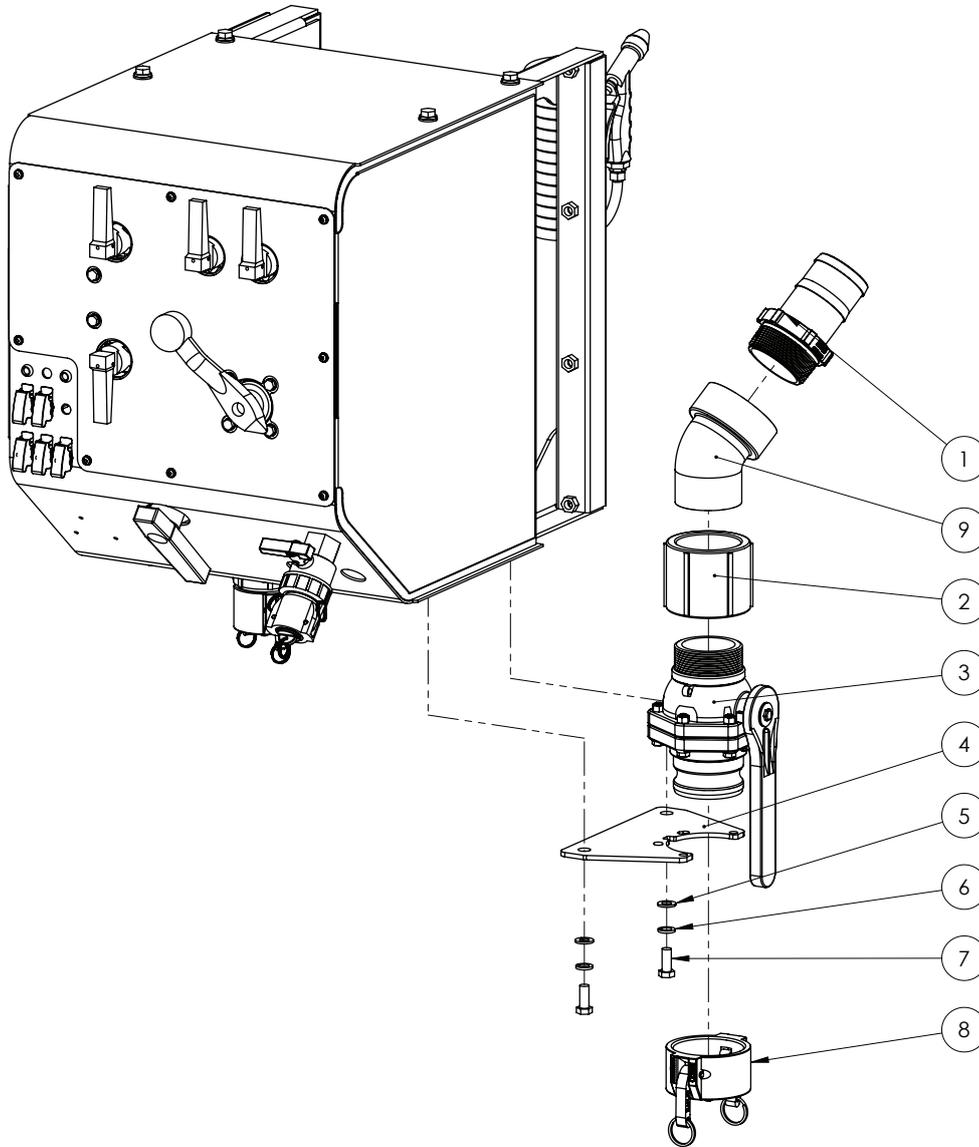
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065680	Plug, AS40 male	2
2	GA5078142	Street elbow, 90 degree, 2 male thread x 2 female thread	2
3	GA5077737	Hose barb, Straight, 2" male thread x 2" hose	2
4	GA5010193	Hose Clamp 2 1/ 4"	2
5	GA2000229	Hose, Suction, 51mm, Wire reinforced - Cut to 180 mm	1
6	*	Rinse Tank Fill Manifold Assemblies	1
7	GA4552870	Spacer, Ring, 61mm , POD fill point fitting	1
8	GA5048115	Nut M6 Nyloc ZP	4
9	GA5004437	Washer 6mm Flat SS	8
10	GA4504380	Plate, 2" Fill insert-Spray pod	1
11	GA5004050	BHCS M6 x 16 SS A2-70	4
12	GA5076606	Cam lever, 2" male coupler x 2" female thread	1
13	GA5076609	Cam lever, 2" female cap	1

# LH Pod - 3" Fill - Hydraulic Pump



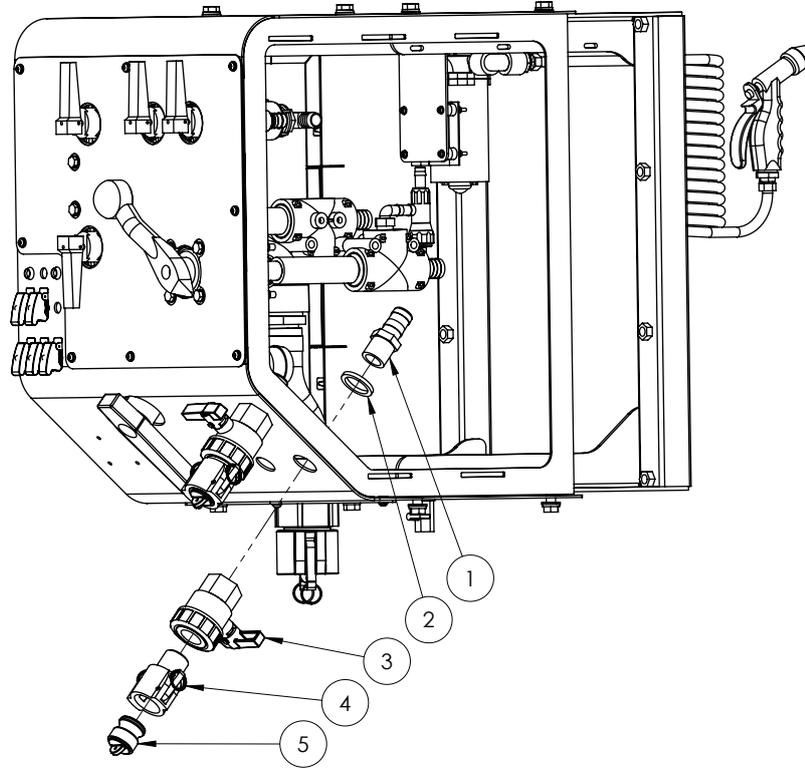
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065680	Plug, AS40 male	2
2	GA5048115	Nut M6 Nyloc ZP	4
3	GA5004437	Washer 6mm Flat SS	8
4	GA4504375	Plate Fill Mount 3"	1
5	GA5004050	BHCS M6 x 16 SS A2-70	4
6	GA5076716	Cam lever, 3" male coupling x 3" female thread	1
7	GA5077742	Hose barb, Elbow, 90 degree, 3" male thread x 3" hose	1
8	GA4552875	Spacer-POD fill point fitting 89	1
9	GA5077737	Hose barb, Straight, 2" male thread x 2" hose	1
10	GA5076719	Cam lever, Female cap, 3"	1

# LH Pod - 3" Fill - Direct



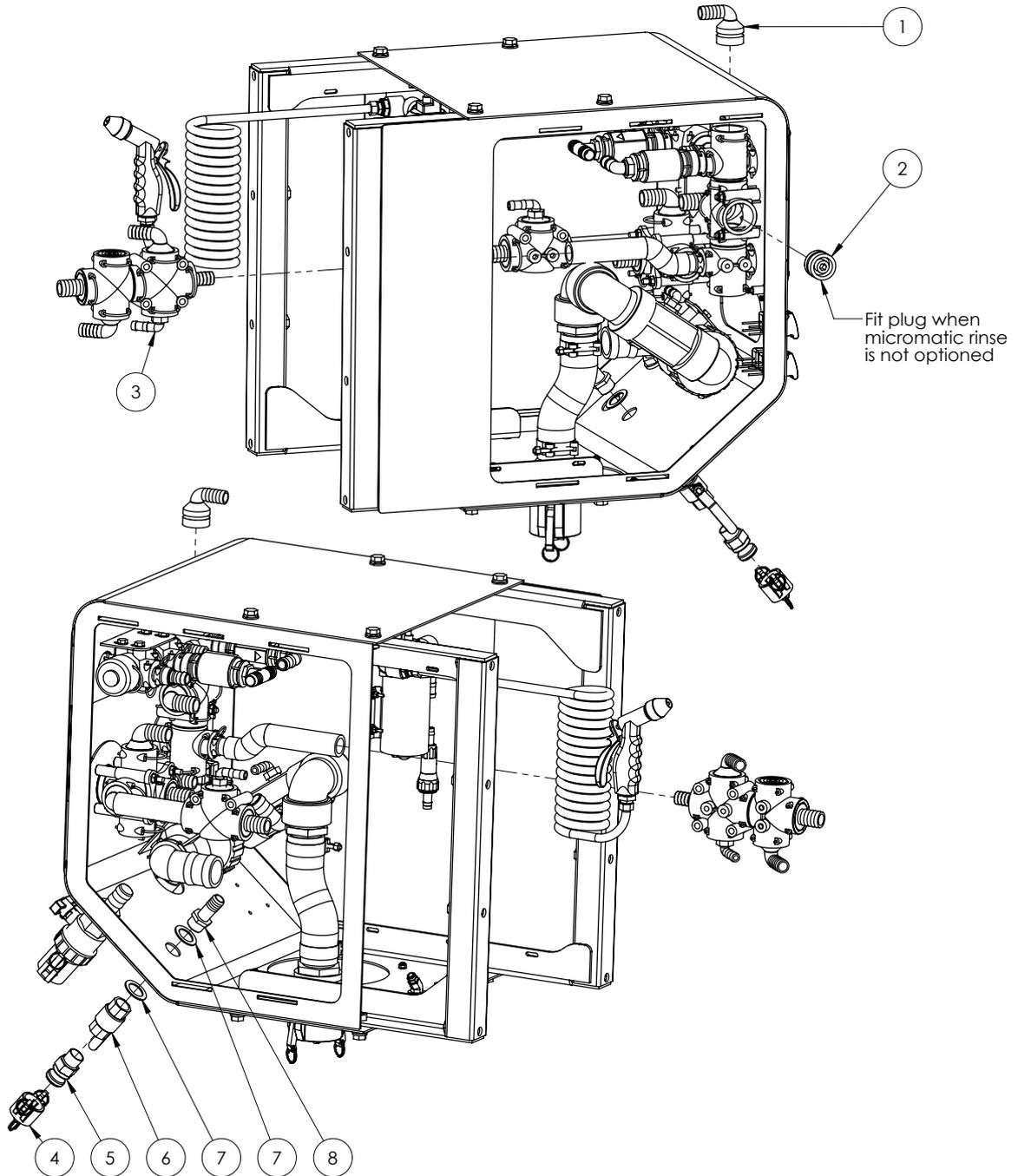
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077741	Hose barb, Straight, 3" male thread x 3" hose	1
2	GA5077642	Coupling, socket, 3" female thread	1
3	GA5078204	Valve, Ball, 3", Male NPT, Male Cam lock, stubby, long handle	1
4	GA4401565	Plate, 3 Inch Side Fill Mount, Pod	1
5	GA5000577	Washer 12mm Flat SS HD	2
6	GA5000575	Washer 12mm Spring SS	2
7	GA5000305	Set Screw M12 x 30 GR8.8 ZP	2
8	GA5076719	Cam lever, Female cap, 3"	1
9	GA5078143	Street elbow, 45 degree, 3" male x 3" female	1

# LH Pod - Chemical Pump



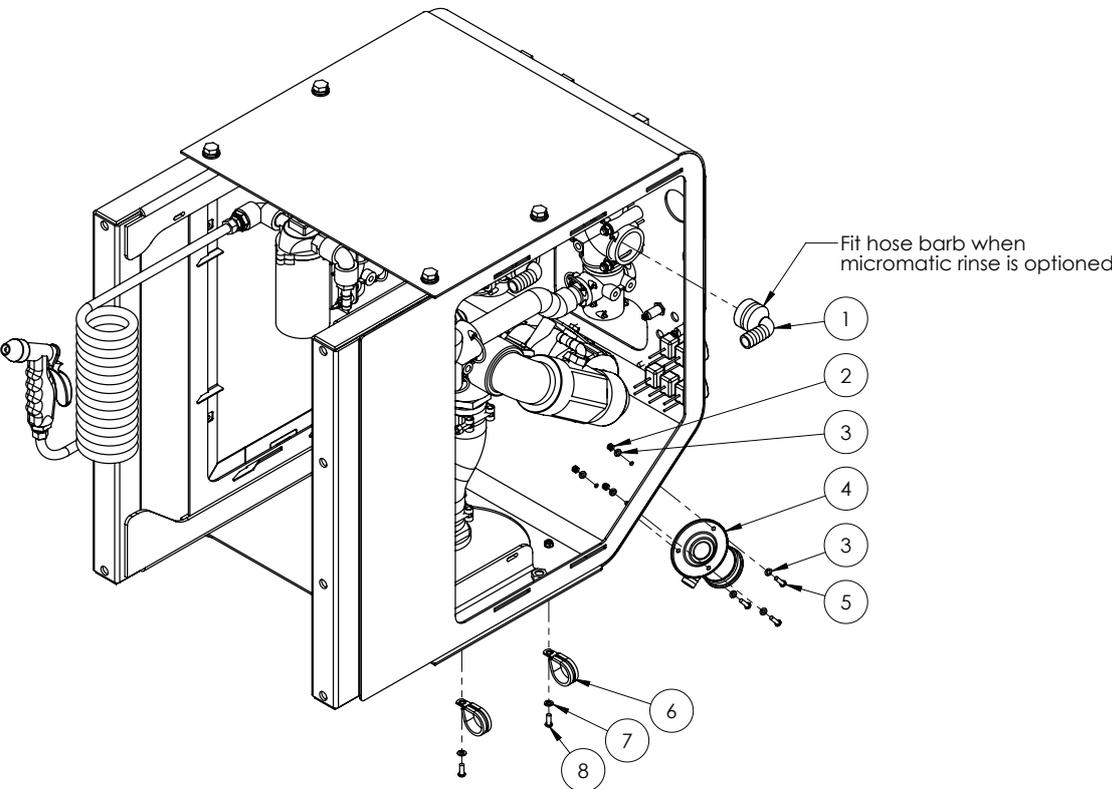
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1
2	GA4552865	Spacer, POD fill point fitting 3/4"	1
3	GA5078164	Valve, Ball, 1" female thread inlet / outlet, Full port, Lever handle	1
4	GA5076007	Cam lever, 1" female coupler, 1" male thread	1
5	GA5076013	Cam lever, Male plug, 1"	1

# LH Pod - Rinse Tank Drain



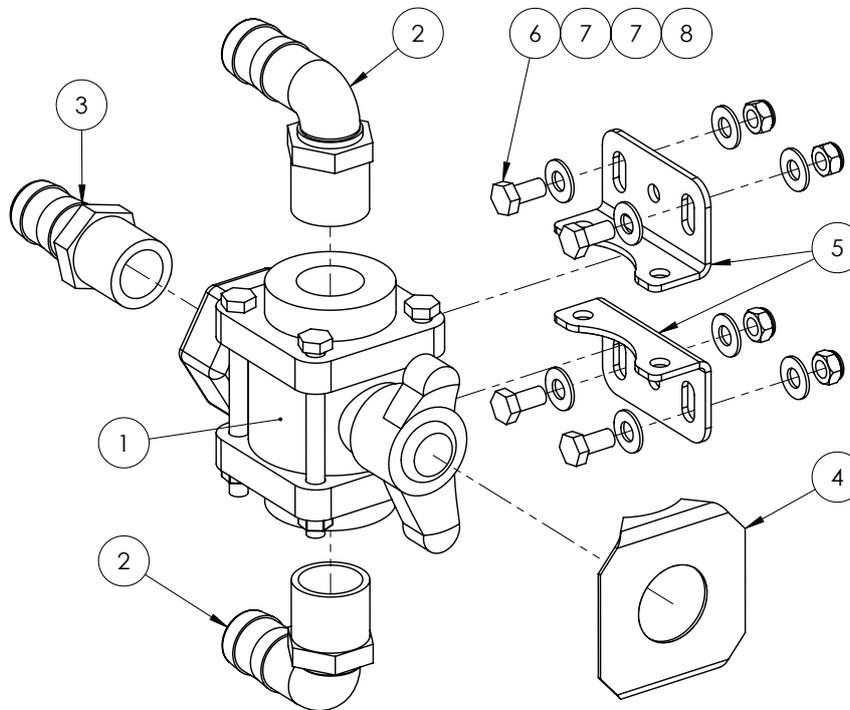
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065610	Hose barb, Elbow, 90 degree, AS40 x 20 mm hose	1
2	GA5065680	Plug, AS40 male	1
3	*	Rinse Tank Fill Manifold	1
4	GA5077131	Cam lever, Female cap, 3/4"	1
5	GA5077134	Cam lever, 3/4" male coupling x 3/4" male thread	1
6	GA5018313	Valve, Ball, 20mm, 3/4" female, Lever handle, Brass	1
7	GA4522315	Washer 27 ID x 40 OD x 2 mm thick SS	2
8	GA5077709	Hose barb, Straight, 3/4" male thread x 3/4" hose	1

# LH Pod - Micromatic Rinse



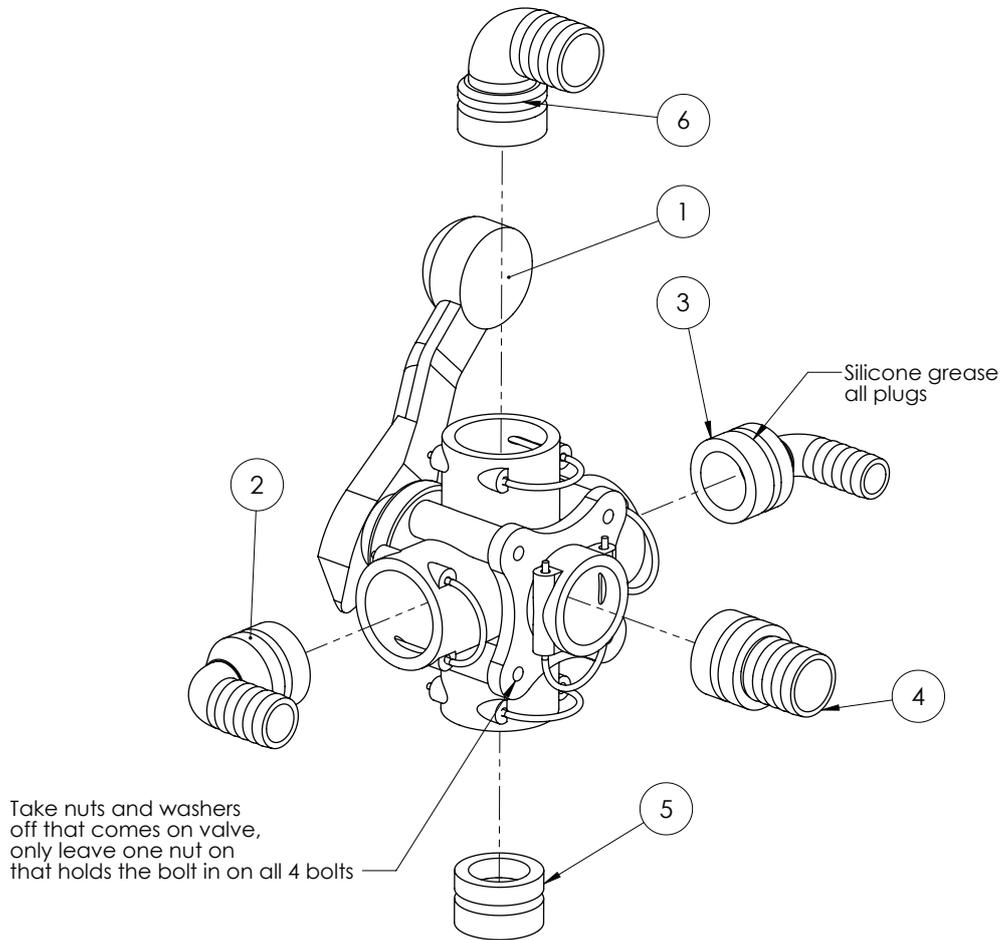
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065610	Hose barb, Elbow, 90 degree, AS40 x 20mm hose	1
2	GA5003974	Nut M5 Nyloc ZP	3
3	GA5003983	Washer 5mm Flat SS	6
4	GA5018800	Rinsing socket, 3 pin, Micromatic / Enviro drum coupling	1
5	GA0500004	BHCS M5 x 20 SS A2-70	3
6	GA5048090	Clamp, P-type, 35mm	2
7	GA5004437	Washer 6mm Flat SS	2
8	GA5004050	BHCS M6 x 16 SS A2-70	2

## Ball Valve - 3-Way - Main Tank/Hopper



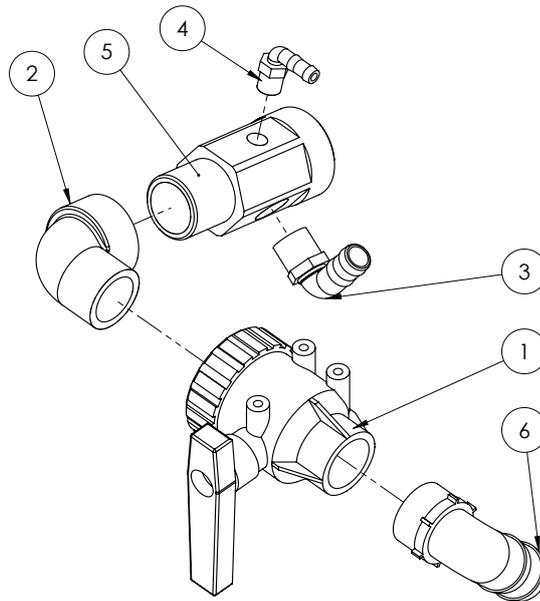
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078177	Valve, Ball, 3 way, 1" female thread inlet / outlet, Bottom port, Butterfly handle	1
2	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	2
3	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1
4	F70146A	Decal plate, suit 1" banjo tap V-100, sticker mount	1
5	GA4502210	Mounting plate, to suit ball valve	2
6	GA5011465	Bolt M8 x 16 GR8.8 ZP	4
7	GA5003643	Washer 8mm Flat SS HD	8
8	GA5004917	Nut M8 Nyloc ZP	4

# Pressure Delivery Manifold



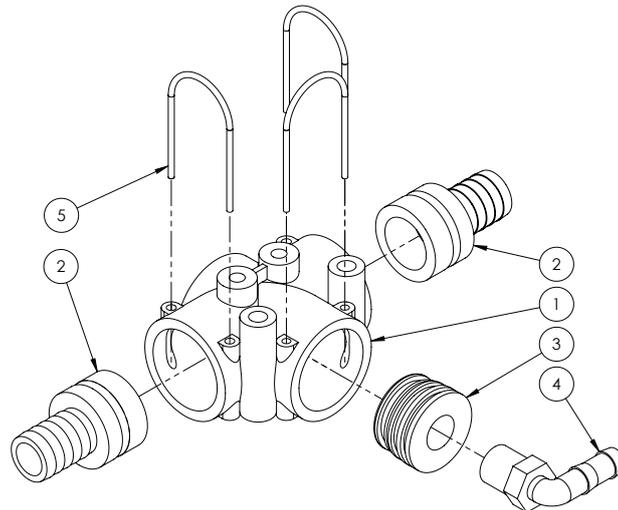
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065530	Valve,Ball, 5 x AS40 female inlet / outlets, Lever handle	1
2	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm	1
3	GA5065610	Hose barb, Elbow, 90 degree, AS40 x 20mm hose, Altek	1
4	GA5065585	Hose barb, Straight, AS40, 33mm hose, Altek	1
5	GA5065680	Plug, AS40 male, Altek	1
6	GA5065620	Hose barb, Elbow, 90 degree, AS40 x 33mm hose barb, Altek	1

## Tank Fill Manifold



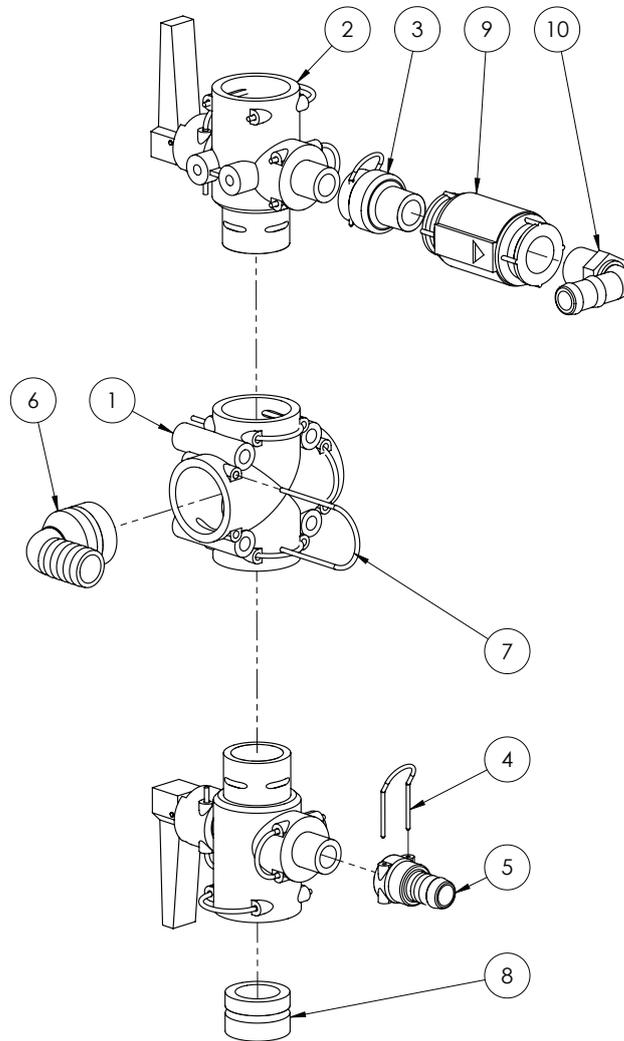
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5076981	Valve, Ball, 2" way, 2" female thread inlet / outlet, Lever handle	1
2	GA5078142	Street elbow, 90 degree, 2" male thread x 2" female thread	1
3	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	1
4	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	1
5	MACH0311	Poly fitting suit fresh water fill 2" male - 2" female - 1" female	1
6	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose	1

## Hopper Manifold



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065555	Tee, AS40 female, no M8 inserts	1
2	GA5065580	Plug in hose tail AS40/25	2
3	GA4582345	Dummy plug AS40 GI / 2" female (45mm Delron)	1
4	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	1
5	GA5065690	Safety pin, Suit AS40 plumbing fittings	3

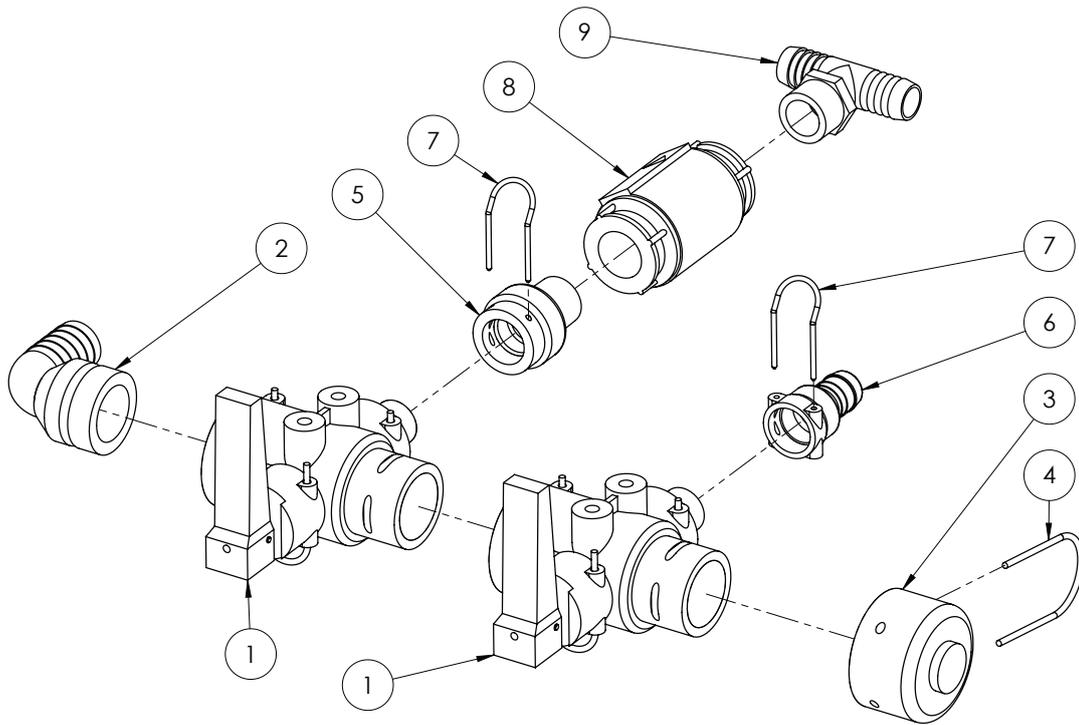
# Main Tank Rinse/Rinse Tank Fill Manifold



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065565	Plumbing coupling, Cross, AS40 female inlets / outlets	1
2	GA5065545*	Valve, Quick fit flip top, 2 way, AS40 male x AS24 female x AS40 Female	2
3	GA4582415	Plumbing adaptor, AS24 female x 3/4" BSPT male	1
4	GA5065695	Safety pin AS24	2
5	GA5065640	Hose barb, AS24 female x 20mm hose	1
6	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm	1
7	GA5065690	Safety pin, Suit AS40 plumbing fittings	4
8	GA5065680	Plug, AS40 male	1
9	GA5002473	Valve nonreturn, check 3/4"	1
10	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	1

\* Sub-assembly on following pages

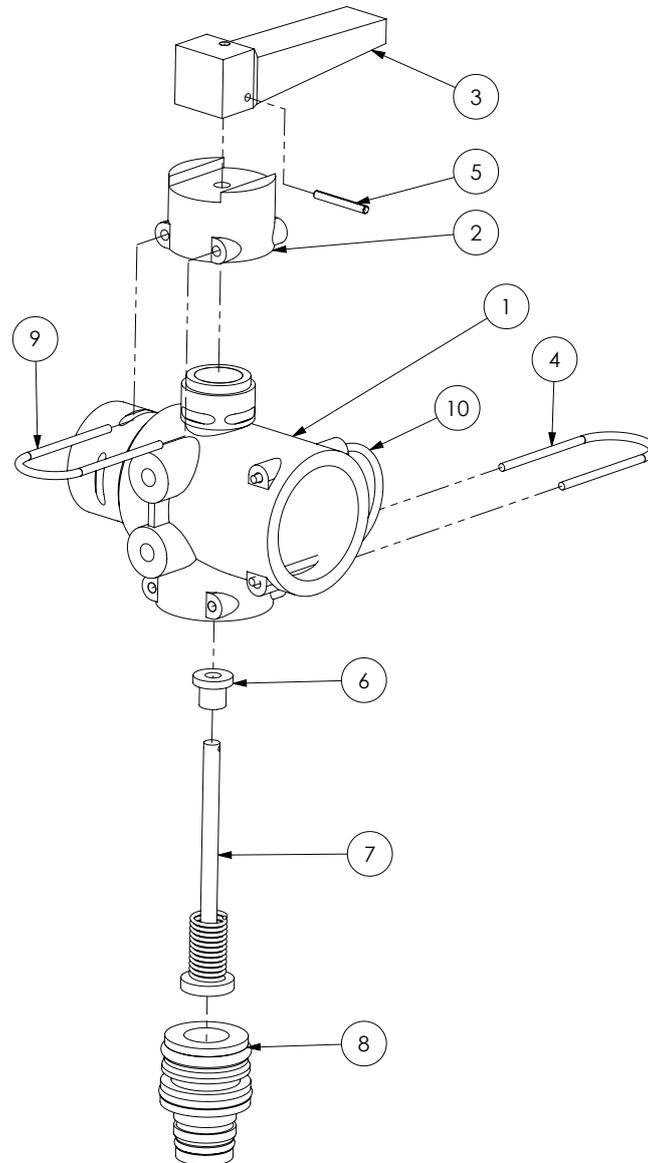
# Main Tank Rinse/Agitation Manifold



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065545*	Valve, Quick fit flip top, 2 way, AS40 male x AS24 female x AS40 female	2
2	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm	1
3	GA4582395	Plumbing Fitting, Cap, AS40	1
4	GA5065690	Safety pin, Suit AS40 plumbing fittings	1
5	GA4582415	Plumbing adaptor, AS24 female x 3/4" BSPT male	1
6	GA5065640	Hose barb, AS24 female x 20mm hose	1
7	GA5065695	Safety pin AS24	2
8	GA5002473	Valve non-return, check 3/4"	1
9	GA3500431	Hose barb, Tee, 3/4" hose barb x 3/4" hose barb x 3/4" male thread	1

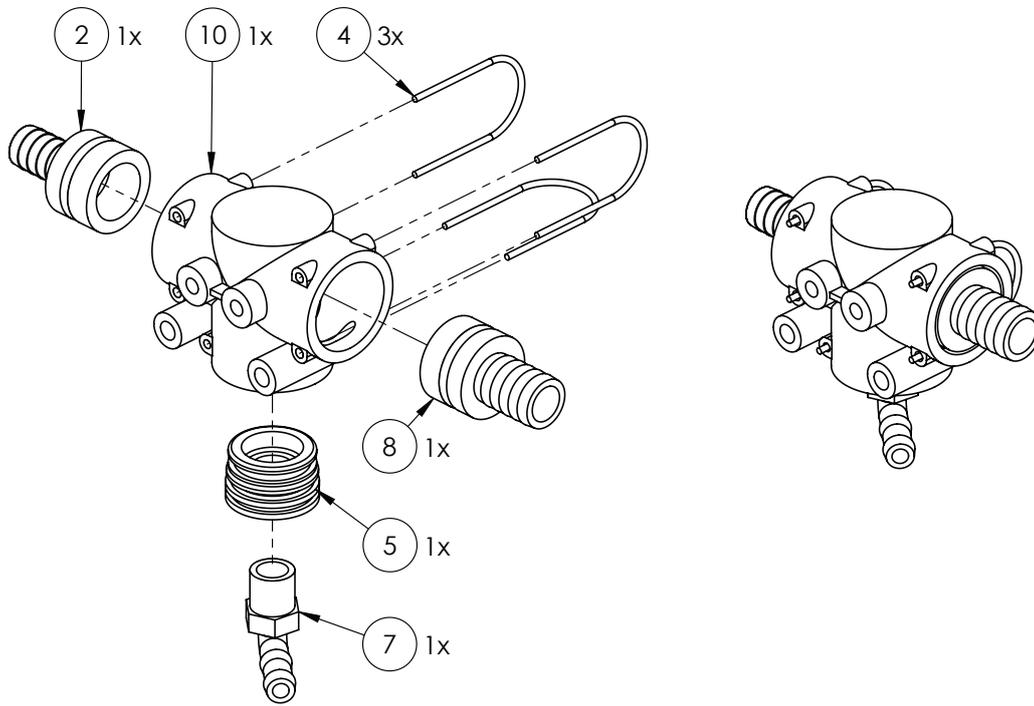
\* Sub-assembly on following pages

## Valve - Quick Fit 2 Way Assembly



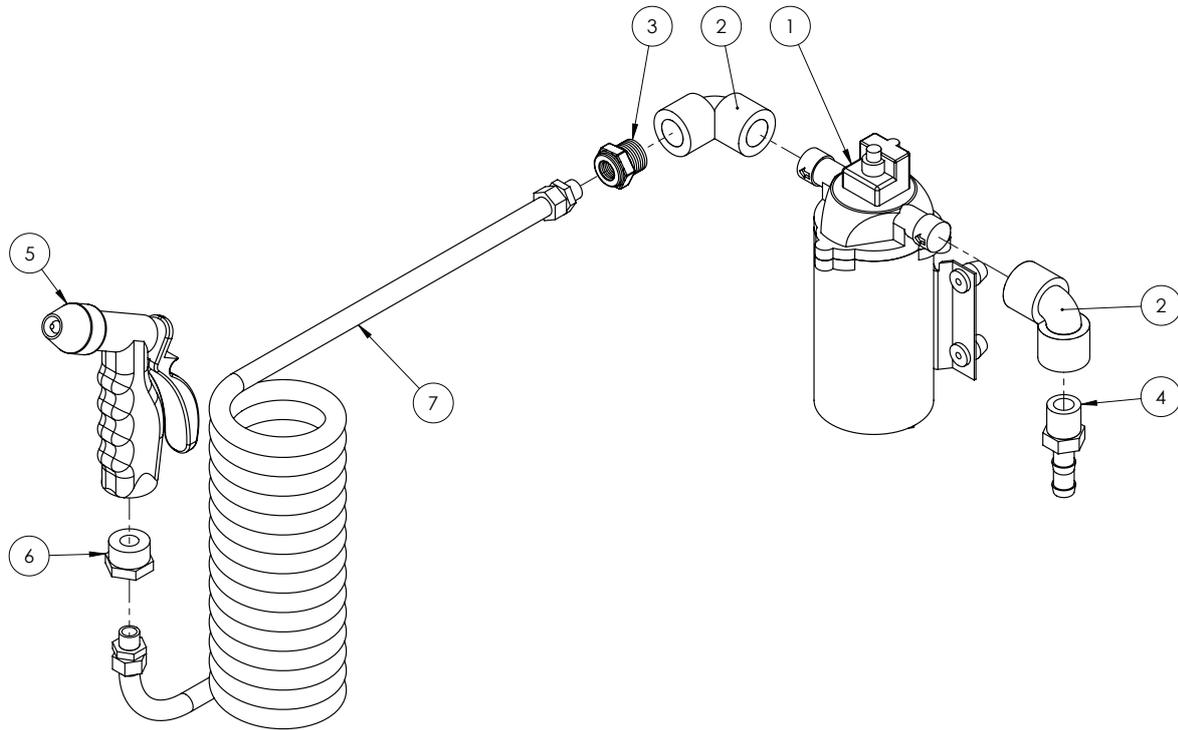
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5065545	Valve, Quick fit flip top, 2 way, AS40 male x AS24 female x AS40 female, Altek	-
1	GA5073750	Body	1
2	GA5073755	Slide cap	1
3	GA5073760	Red lever	1
4	GA5065701	Retaining pin, Suit AS30 plumbing fittings	1
5	GA5073765	Handle retaining pin	1
6	GA5073770	Spring guide	1
7	GA5073775	Switch rod	1
8	GA5065835	Plug in adapter, AS30 x AS24	1
9	GA5073780	Retaining pin, 4 x 26 mm	1
10	GA5065690	Retaining pin, Suit AS40 plumbing fittings	1

# Rinse Tank Fill Manifold



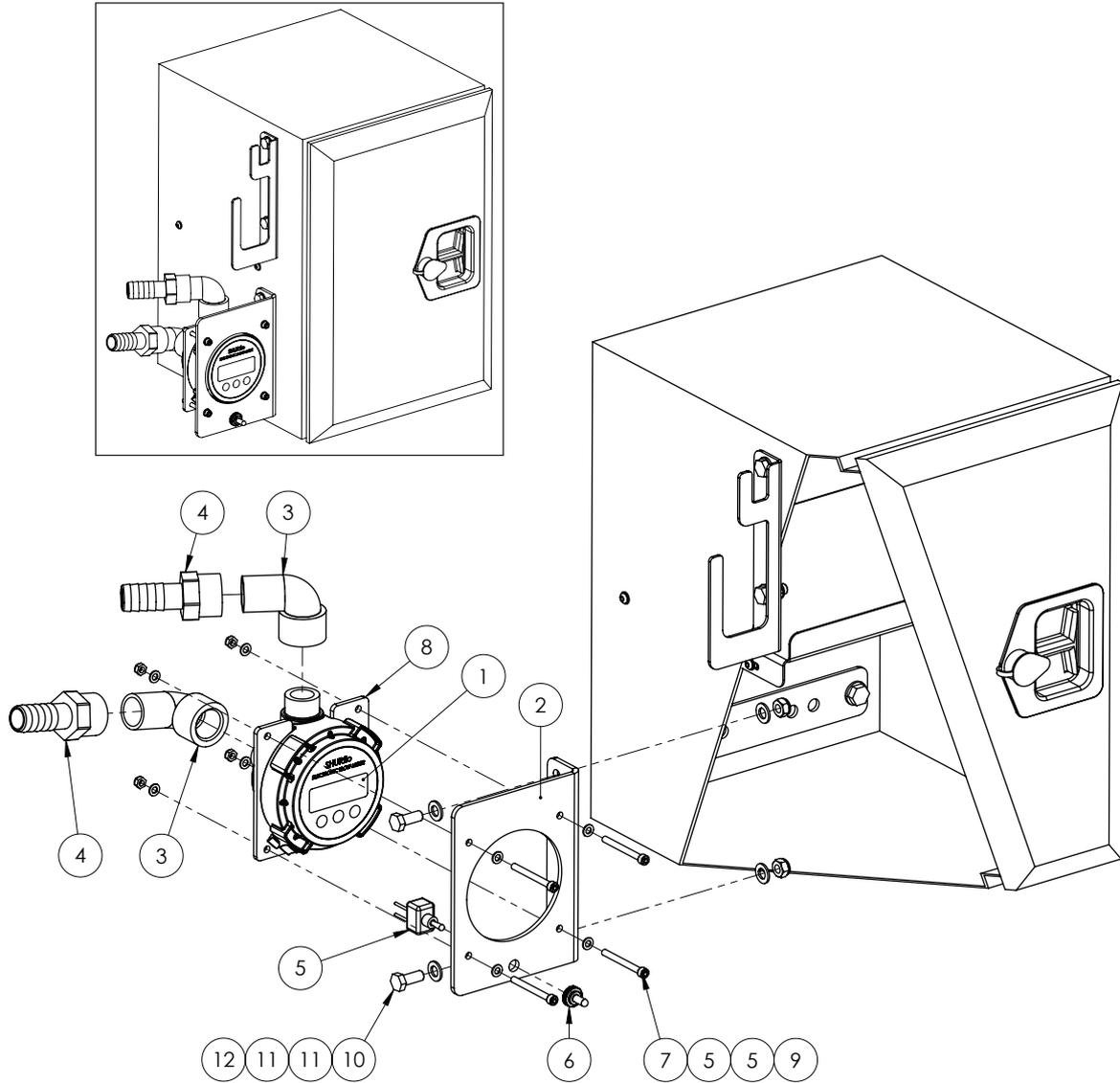
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5065565	Plumbing coupling, Cross, AS40 female inlets / outlets
2	GA5065575	Hose barb, Straight, AS40 male x 20mm hose
3	GA5065610	Hose barb, Elbow, 90 degree, AS40 x 20mm hose
4	GA5065690	Safety pin AS40
5	GA4582345	Dummy plug AS40 G 1/2 female (45mm Delron)
6	GA2000082	Plumbing Fitting, Cross, AS40, 3x Female 1x Male, 2x M8 Inserts, No O-Rings
7	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose
8	GA5065580	Plug in hose tail AS40/25
9	GA5065680	Plug, AS40 male
10	GA5065560	Tee, AS40 female, M8 inserts

# Wash Down Gun Assembly



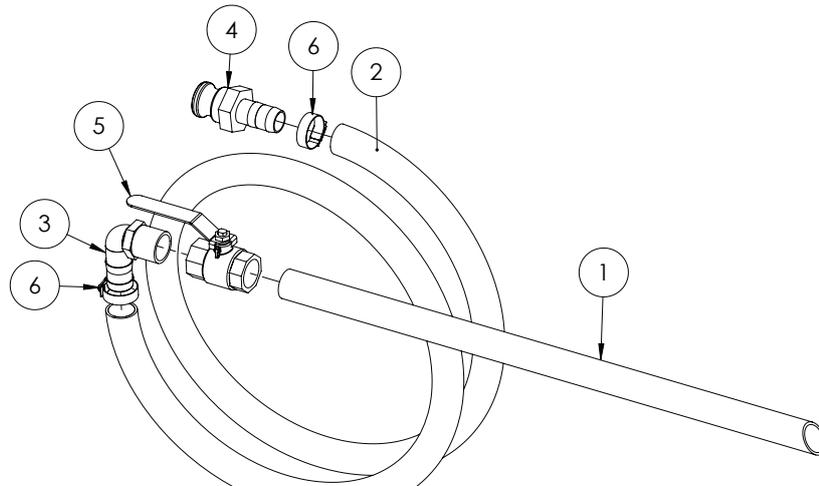
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5023400	Pump, 12 Volt , 6.8lt/min Max 100 psi, Male ports - Complete	1
	GA5071545	Pressure Switch, suit GA5023400	1
	GA5071550	Valve Assembly Kit, Viton, suit GA5023400	1
	GA5071555	Diaphragm Assembly Kit, Santoprene, suit GA5023400	1
	GA5071560	Check Valve Kit, suit GA5023400	1
2	GA5077652	Street elbow, 90 degree, 1/2" female thread	2
3	GA5078005	Reducing bush, 1/2" male thread x 1/4" female thread	1
4	GA5077702	Hose barb, Straight, 1/2" male thread x 1/2" hose	1
5	GA5051390	Wash down gun, Suit EF / Advance / Evolution	1
6	GA5049701	Bush Brass reducing 3/4" x 1/4"	1
7	GA5051455	Suzi coil 12x8 x 5m (1/4 male swivel ends with springs)	1

# Chemical Flow Meter



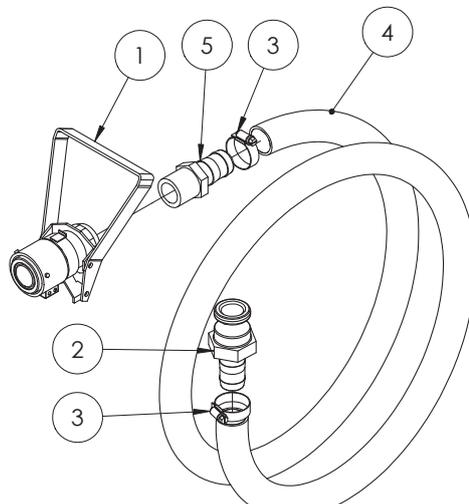
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA2000031	Flow meter, Chemical transfer, 90 degree, Shurflo	1
2	GA4401485	Plate, Flow Meter Mount, Shurflo, Plumbing Pod	1
3	GA5078137	Street elbow, 90 degree, 1" male x 1" female	2
4	GA5077747	Hose barb, Straight, 1" female thread x 1" hose	2
5	GA5004437	Washer 6mm Flat SS	8
6	GA5012175	Cover, Toggle switch, Waterproof, Narva	1
7	GA5070460	SHCS M6 x 60 SS A2-70	4
8	GA4509975	Plate, Shurflo Flow Meter Clamp	1
9	GA5048115	Nut M6 Nyloc ZP	4
10	GA5065455	Bolt M10 x 30 GR8.8 ZP	2
11	GA5000117	Washer 10mm Flat SS HD	4
12	GA5000141	Nut M10 Nyloc ZP	2

## Chemical Probe Hose Lance



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4948250	Chemical suction probe, Assembled	-
1	GA5013603	Poly Pipe 25 (cut 630mm long)	1
2	GA2000220	Hose, Suction, PVC, 25mm, Black - cut 3200 mm long	1
3	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo	1
4	GA5076011	Cam lever, 1" male coupling x 1" hose barb, Banjo	1
5	GA5018319	Valve, Ball, 25mm female thread inlet / outlet, Lever handle, SS	1
6	GA5001681	Hose Clamp, 1" SS (20-32/12W)	2

## Enviro Coupling & Hose



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5020600	Enviro drum / micromatic coupling with suction hose	-
1	GA5018803	Micromatic drum valve coupling, 3 pin, Viton seals	1
	GA5018799	Seal kit, Suit micromatic / enviro drum coupling GA5018803	-
2	GA5076011	Cam lever, 1" male coupling x 1" hose barb, Banjo	1
3	GA5001681	Hose Clamp, 1" SS (20-32/12W)	2
4	GA2000220	Hose, Suction, PVC, 25mm, Black - cut 2840mm long	1
5	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1



# Chapter 6

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## DIRECT CHEMICAL INJECTION

Not Fitted

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# Chapter 7

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## DUAL PRODUCT

Not Fitted

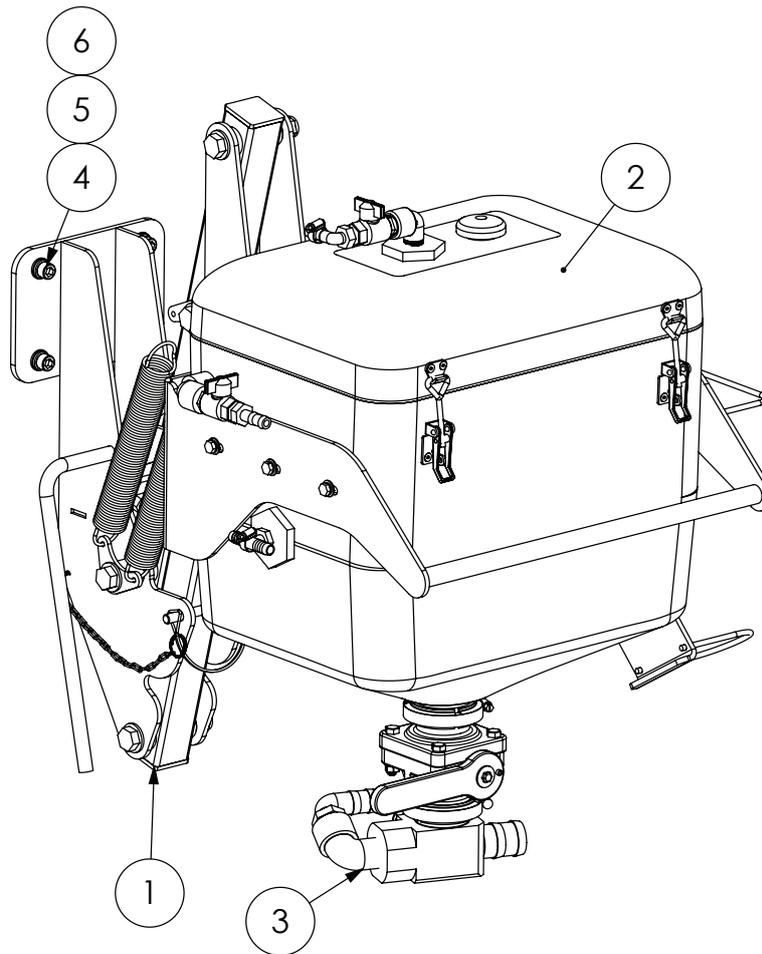
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# Chapter 8

## INDUCTION HOPPER

### Induction Hopper - 60L



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4524985	Plate, Hopper Mount Adaptor, Offset, Self Propelled (optional)	-
1	*	Induction Hopper - Frame	1
2	*	Induction Hopper - Tank Assembly	1
3	*	Hopper Bottom 2" Flanged	1
4	GA5000577	Washer 12mm Flat SS HD	4
5	GA5000575	Washer 12mm Spring SS	4
6	GA5000297	SHCS M12 x 25 ZP GR12.9	4

\* Sub-assembly on following pages

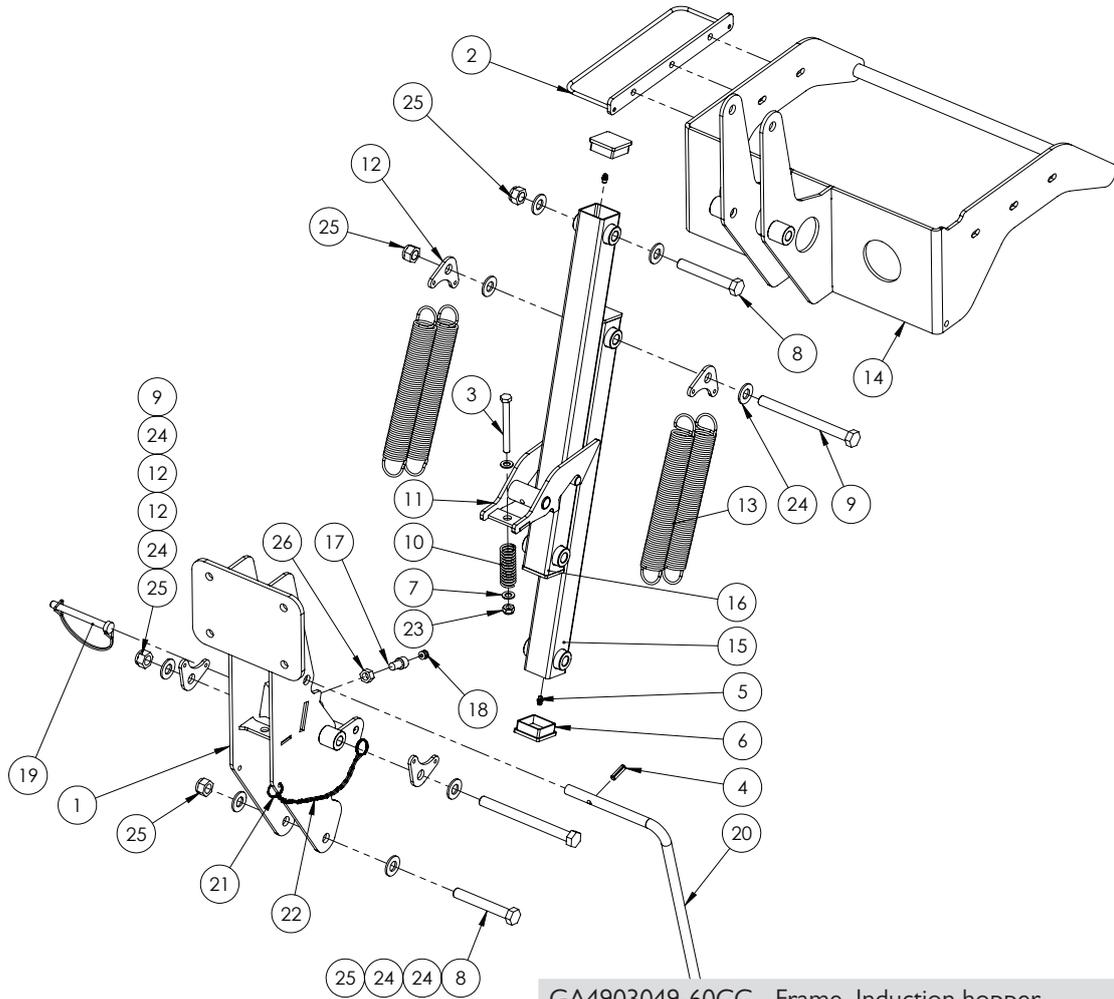


## Induction Hopper - Tank Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5071208	Tank, Induction Hopper, 60L with Flange, includes lid	1
2	*	Pre-assembled 60L Hopper Bottom 2" Flanged	1
3	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	1
4	GA5020615	Valve, Ball, 12mm, 1/2" Male, Female Butterfly, Brass	2
5	GA5078133	Street elbow, 90 degree, 1/2" female thread x 1/2" male thread	2
6	GA5078156	Tank flange, 1/2" female threads	2
7	GA5077045	Breather valve, Labyrinth type, 1" male thread	1
8	GA5051230	CSCS M5 x 16 SS A2-70	23
9	GA5003983	Washer 5mm Flat SS	23
10	GA5003975	Nut M5 Nyloc SS	23
11	GA5077063	Nozzle, Drum & container rinsing	1
12	GA5077062	Valve, Drum & container rinsing nozzle	1
13	GA5077911	Nipple, Short, 1/2" male thread x 1/2" male thread	1
14	GA5077652	Street elbow, 90 degree, 1/2" female thread	1
15	GA5077702	Hose barb, Straight, 1/2" male thread x 1/2" hose	1
16	RN075050	Reducing nipple, 3/4" male thread x 1/2" male thread	1
17	GA5077336	Nozzle, Tank rinsing, 3/4" BSPT female inlet	1
18	GA5077704	Hose barb, Elbow, 90 degree, 1/2" male thread x 3/4" hose	1
19	GA4522296	Level indicator, 60L induction hopper	1
20	GA5006661	Hinge, Butt, 70 long x 50 wide x 1.5, SS	2
21	GA5016473	Tape PM foam 6.4 x 18 L/Density	1
22	GA3500391	Tee, Threaded, 1/2" male x 1/2" hose, T12T	1
23	GA5007071	Latch, Adjustable, Induction Hopper Lid	2
24	GA5076615	Seal, EPDM, Suit 2" flange fitting	1
25	FC220	2" Full Port Worm Screw Clamp	1

\* Sub-assembly on following pages

# Induction Hopper - Frame Assembly



GA4903049-60CC Frame, Induction hopper, Assembly

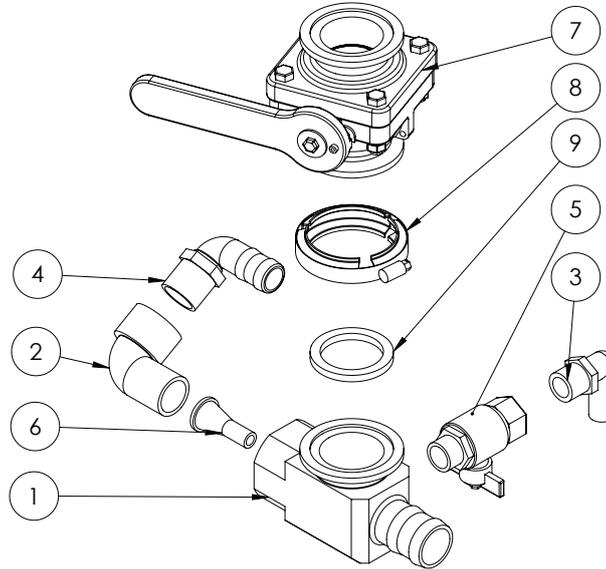
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4657560	CCSP Hopper Mounting Assembly	1
2	GA4659155	Hose guide bracket	1
3	GA5006091	Bolt M10 x 100 GR8.8 ZP	1
4	GA5075130	Roll pin M8 x 30mm coated	1
5	GA5012203	Grease nipple, Short, 1/4" UNF	4
6	GA5003783	End cap, Plastic, Black, Insert, RHS. 50 x 50, 0.8 - 2.5mm wall	4
7	GA5000117	Washer 10mm Flat SS HD	2
8	GA5000855	Bolt M16 x 110 GR8.8 ZP	2
9	GA5000879	Bolt M16 x 180 GR8.8 ZP	2
10	GA5007329	Spring compression, 76.2mm x 25.4 x 3.15 mm, gold	1
11	GA4653490	Induction hopper latch	1
12	GA4522294	Mounting plate, Double spring	4
13	GA5007073	Spring, Tension, 38.2 OD x 284.3 long x 3.55mm	4
14	GA4656855	Induction hopper tank support 60L	1
15	GA4657570	CCSP Lower Hopper Arm	1
16	GA4657565	CCSP Upper Hopper Arm	1

Continued over page

## Induction Hopper - Frame Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
17	GA5050330	SHCS M12 x 20 GR12.9 ZP	1
18	GA5052905	End cap, Plastic, Black, Insert, Round. 10mm, 0.8 - 1.5mm wall	1
19	GA5048380	Pin, 11mm OD shaft, Spring Steel wire loop lock, Yellow zinc	1
20	GA4699435	Handle, Induction Hopper Latch arm	1
21	GA5002077	Key ring, 25mm, SS	2
22	GA5001491	Chain 2 x 20 mm SS 316 - Cut to 600 mm	1
23	GA5000141	Nut M10 Nyloc ZP	1
24	GA5001043	Washer 16mm Flat SS HD	8
25	GA5001029	M16 Nyloc Nut	4
26	GA5000559	Nut M12 Hex ZP	1

# Hopper Bottom - 2" Flanged



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4552240	Hopper Bottom Venturi Housing with 2" Flange MY14	1
2	GA5078137	Street elbow, 90 degree, 1" male x 1" female, Banjo	1
3	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose, Banjo	1
4	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo	1
5	GA5018315	Valve, Ball, 20mm male & female thread, Black Butterfly handle	1
6	L057A	Venturi, 9mm outlet, Suit Induction Hopper	1
7	GA5077908	Ball valve, 2" Full port , 4 Bolt Flanged, short, Banjo	1
8	FC220	2" Full Port Worm Screw Clamp	1
9	GA5076615	Seal, EPDM, Suit 2" flange fitting, Banjo	1

## Chapter 9

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### FOAM MARKER TANK

Not Fitted

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# Chapter 10

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TRANSCAL

Not Fitted

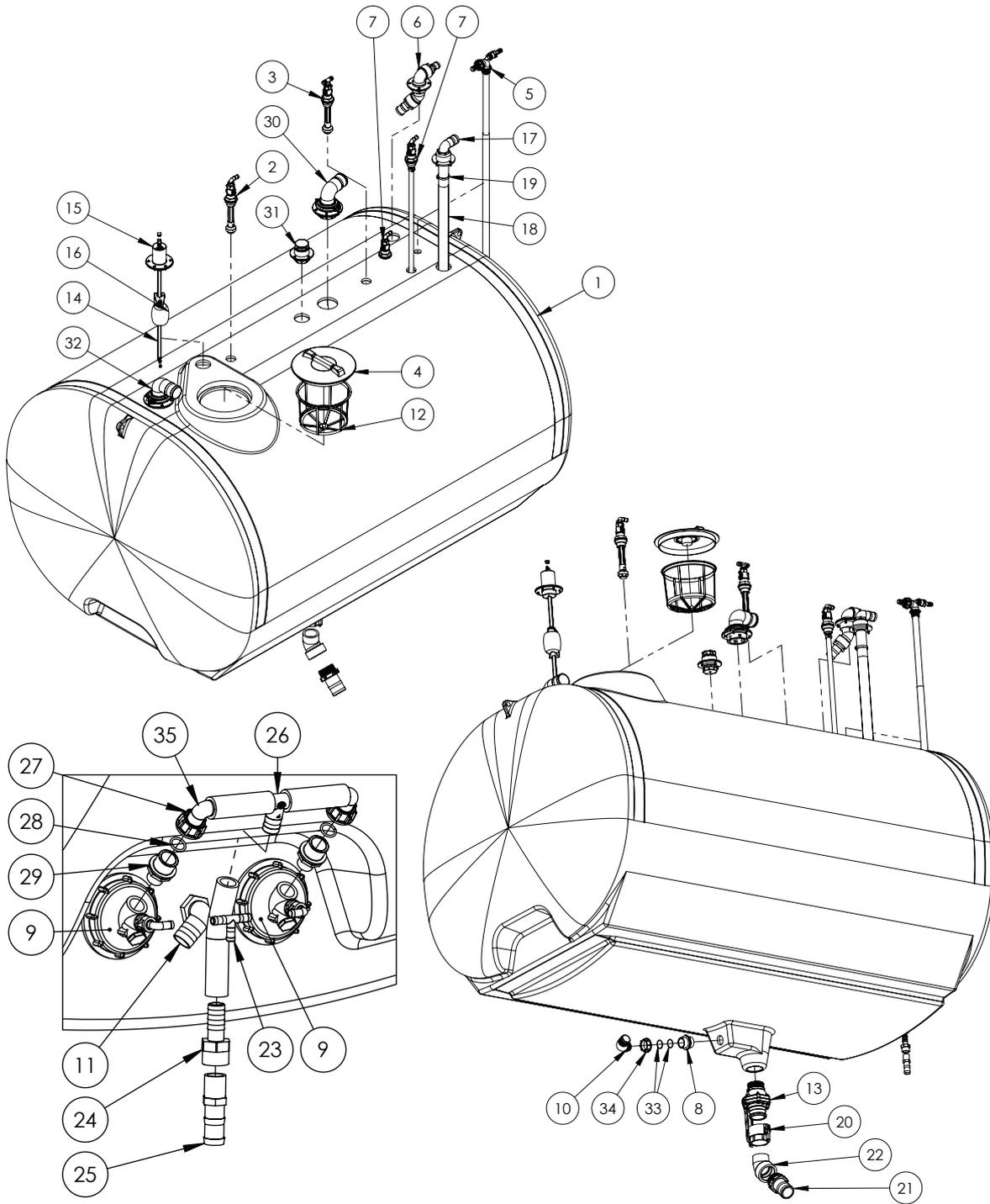
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# Chapter II

## MAIN TANK

### Tank Assembly - 6000L



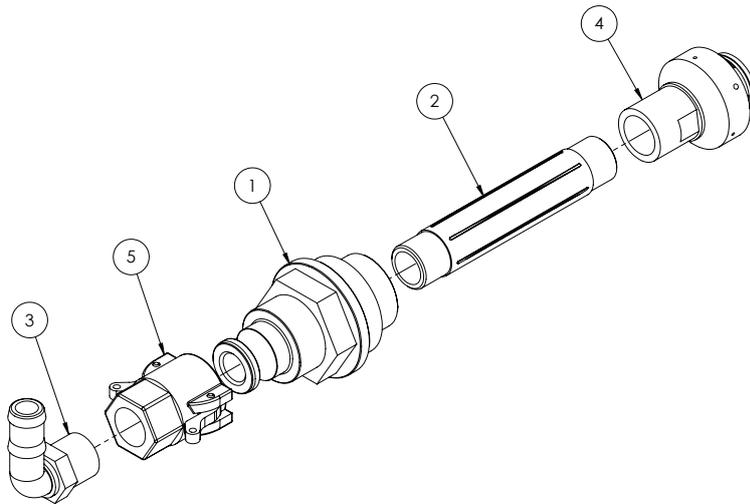
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## Tank Assembly - 6000L

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070915	Tank, 6000L, Crop Cruiser, Bare	1
2	*	Tank Rinsing Nozzle, Elbow - Assembly	1
3	*	Tank Rinsing Nozzle, Tee - Assembly	1
4	GA5076880	Lid, Black, Without breather, Medium, Diameter 355, Arag	1
5	GA4903086*	Venturi filler - Complete assembly	1
6	*	Inlet - Tank Fill 2" - Angled, Sub-assembly	1
7	*	Inlet - Boom Recirculation, Sub-assembly	2
8	GA5078410	Nipple, 2" male thread x 2" male thread, Arag	1
9	*	Super mix agitator, Sub-assembly	2
10	GA5076262	Hose barb, Elbow, 90 degree, 2" fly nut end x 52 mm hose, Arag	1
11	GA5077730	Hose barb, Elbow, 90 degree, 1 1/4" male thread x 1 1/4" hose	1
12	GA5076714	Filter, Basket type, Diameter 305 x 245mm deep	1
13	GA5078204	3" NPT Male x 3" Male Adaptor Long Handle	1
14	GA5046955	RHS, 19 x 19 x 1.6mm, SS - cut 2150mm	1
15	*	Dry sight tube - Locating Cap Assembly	1
16	*	Dry sight tube - Float Assembly	1
17	*	Inlet - Tank Fill 2" - Straight, Sub-assembly	1
18	GA2000228	Hose, PVC, 50mm, Black - cut 1550 mm	1
19	GA5003325	Hose Clamp 2" SS (40-60/12W)	1
20	GA5076720	Cam lever, 3" female coupling x 3" female thread, NSPT thread	1
21	GA5077741	Hose barb, Straight, 3" male thread x 3" hose	1
22	GA5078143	Street elbow, 45 degree, 3" male x 3" female	1
23	GA5077751	Tee, Hose barb, 1/2"	1
24	GA5077747	Hose barb, Straight, 1 female thread x 1 hose	1
25	GA5077722	Hose barb, Straight, 1 male thread x 1 1/4 hose	1
26	GA5077755	Hose barb, Tee, 1 hose	1
27	GA5076602	Fly nut, 1"	2
28	GA5077675	O ring, 20.24 x 2.62, EPDM, G10041	2
29	GA5078324	Reduction M-M 1-3/4"	2
30	*	Outlet - Tank Overflow 3", Sub-assembly	1
31	*	Breather Valve Assembly	1
32	*	Inlet - Tank Fill 3", Sub-assembly	1
33	GA5076097	O ring, 42.52 x 2.62 mm	2
34	GA5076605	Fly nut, 2"	1
35	GA5078296	Elbow D.25 for fly-nut 1"	2

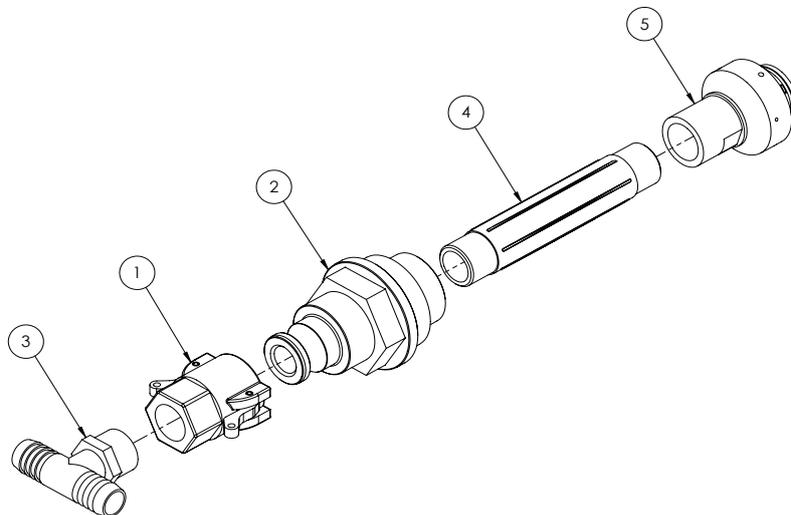
\* Sub-assembly on following pages

## Tank Rinsing Nozzle, Elbow - Assembly



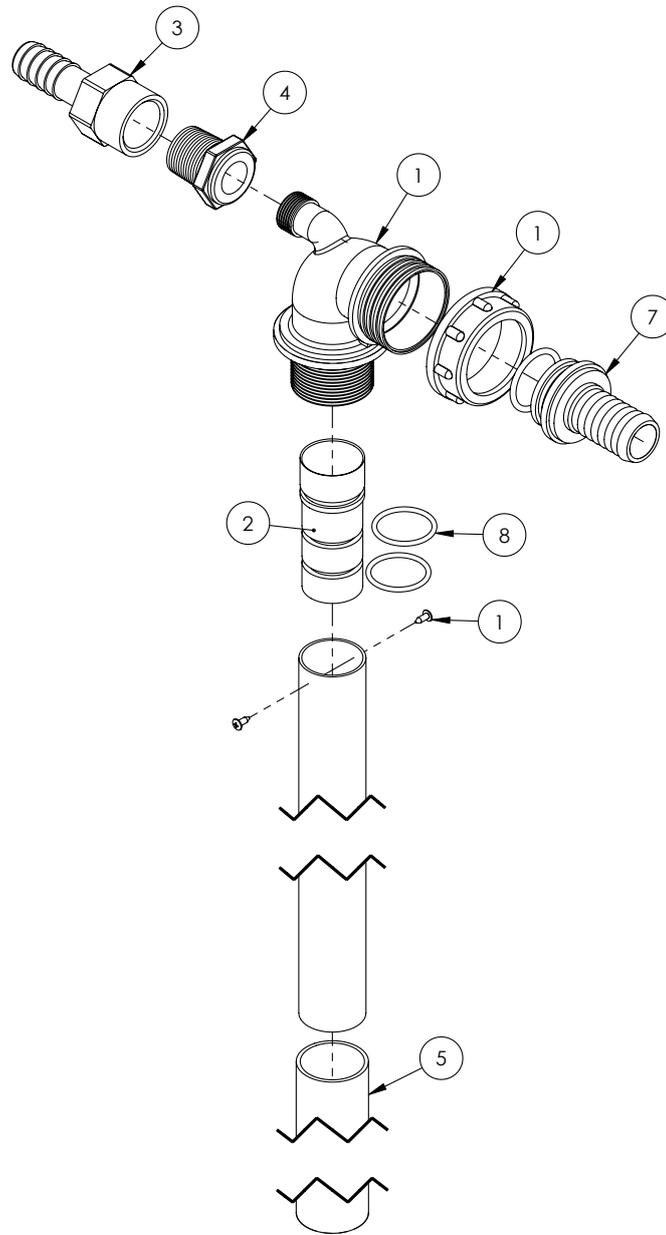
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4901285-1	Tank rinsing nozzle, Elbow, Complete	-
1	GA4572015	Tank rinse adaptor with cam lock	1
2	GA5077912	Nipple, 6" long, 3/4" male thread, Banjo	1
3	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose, Banjo	1
4	GA5077336	Nozzle, Tank rinsing, 3/4" BSPT female inlet, Teejet	1
5	GA5077132	Cam lever, 3/4" female coupling x 3/4" hose barb, Banjo	1

## Tank Rinsing Nozzle, Tee - Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4901285-2	Tank rinsing nozzle, Tee, Complete	-
1	GA5077132	Cam lever, 3/4" female coupling x 3/4" hose barb, Banjo	1
2	GA4572015	Tank rinse adaptor with cam lock	1
3	GA3500431	Hose barb, Tee, 3/4" hose barb x 3/4" hose barb x 3/4" male thread	1
4	GA5077912	Nipple, 6" long, 3/4" male thread, Banjo	1
5	GA5077336	Nozzle, Tank rinsing, 3/4" BSPT female inlet, Teejet	1

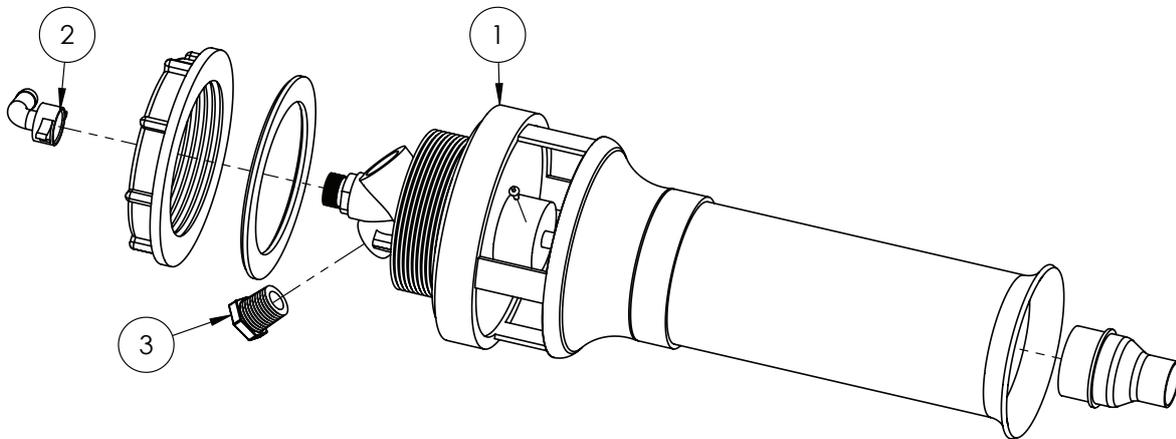
# Venturi Filler



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4903086	Venturi filler - Complete assembly	-
-	GA5007235	Hose clamp, Cobra type, 1 1/2"	1
1	GA5077035	Venturi, Top of tank, 32mm OD outlet	1
2	MACH0022	Jet for Arag venturi	1
3	GA5077743	Hose barb female 3/4"	1
4	GA5078010	Poly Pipe Reducer Bush 3/4" x 1/2"	1
5	GA5050205	Hose Lay flat Blue, 32mm - Cut 405mm long	1
6	GA5077679	O-ring 30 x 3mm	1
7	GA5076036	Hose barb, Straight, 1 1/2" fly nut end x 1" hose barb	1
8	GA5049125	O-ring, 23.4 x 3.53mm, BS213	2

NOTE: Not all parts supplied with kit 500232 are used in this assembly.

## Supermix Agitator

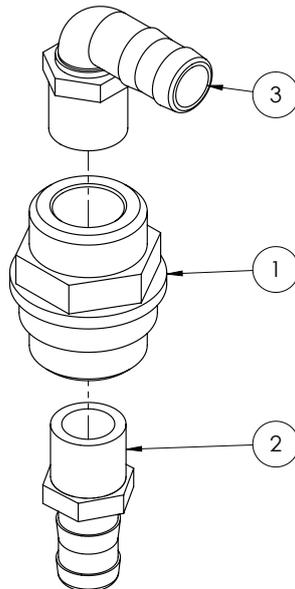


GA4908705 Super Mix Agitator Assembly, with Fittings, No Bypass

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077038	Agitator, Super mix, 3mm jet, Arag	1
2	GA5075657	Hose barb, Elbow, 90 degree, 13mm hose, including 1/2" fly nut and seal, Brass, Arag	1
3	GA5077943	Plug, 1/2" male thread, Banjo	1

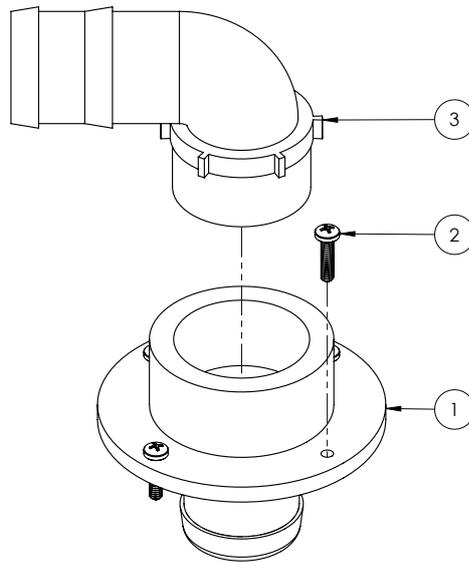
NOTE: Sikaflex 227 used when installing supermix agitator.

## Inlet - Tank Fill 1" - Chemical Pump



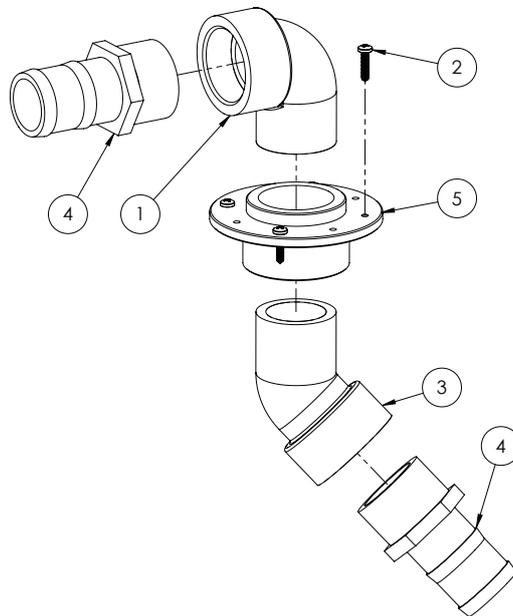
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4572395	Main tank line return fitting 1"	1
2	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1
3	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	1

## Inlet - Tank Fill 2" - Straight



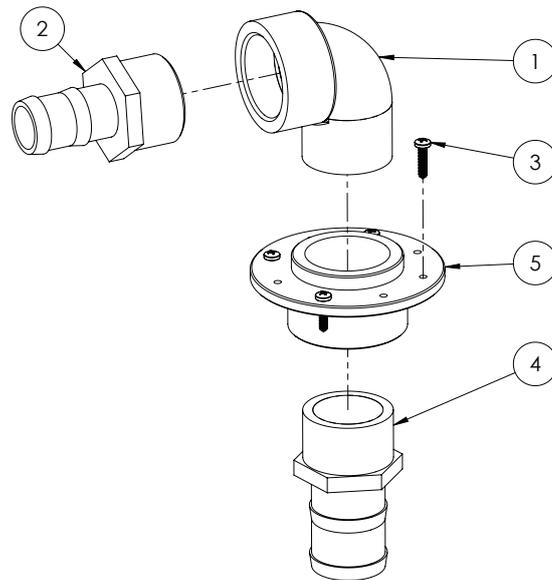
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose	1
2	GA5000527	Screw, Pan head, 12G x 25mm, SS	4
3	L026A	Barb to suit tank fill top	1

## Inlet - Tank Fill 2" - Angled



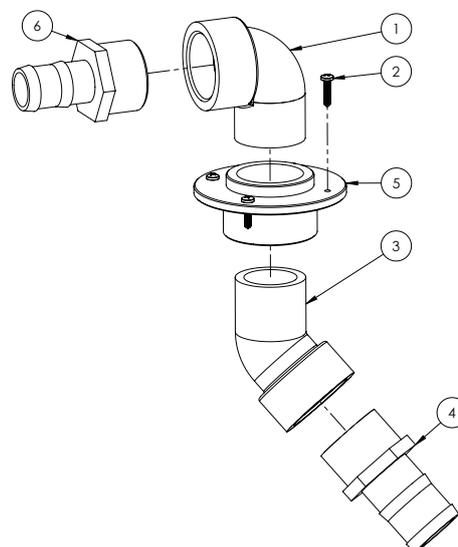
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078142	Street elbow, 90 degree, 2" male thread x 2" female thread, Banjo	1
2	GA5000527	Screw, Pan head, 12G x 25mm, SS	4
3	GA5078141	Street elbow, 45 degree, 2" male thread x 2" female thread, Banjo	1
4	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo	2
5	GA4583370	Threaded Tank Flange 2"	1

## Inlet - Hopper Fill 2" - Straight



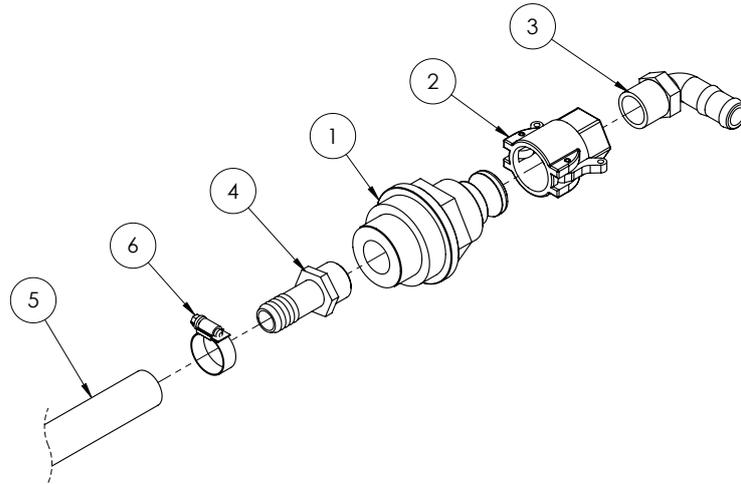
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078142	Street elbow, 90 degree, 2" male thread x 2" female thread, Banjo	1
2	GA5077739	Hose barb, Straight, 2" male thread x 1 1/2" hose, Banjo	1
3	GA5000527	Screw, Pan head, 12G x 25mm, SS	4
4	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo	1
5	GA4583370	Threaded Tank Flange 2"	1

## Inlet - Hopper Tank 2" - Angled



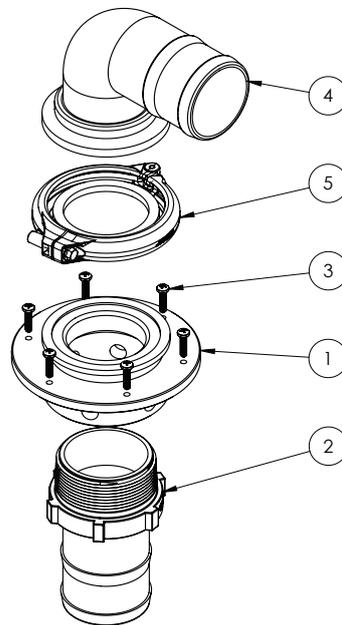
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078142	Street elbow, 90 degree, 2" male thread x 2" female thread, Banjo	1
2	GA5000527	Screw, Pan head, 12G x 25mm, SS	4
3	GA5078141	Street elbow, 45 degree, 2" male thread x 2" female thread, Banjo	1
4	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo	1
5	GA4583370	Threaded Tank Flange 2"	1
6	GA5077739	Hose barb, Straight, 2" male thread x 1 1/2" hose, Banjo	1

## Inlet - Boom Recirculation (RapidFlow only)



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4572015	Tank rinse adaptor with cam lock	1
2	GA5077132	Cam lever, 3/4" female coupling x 3/4" hose barb, Banjo	1
3	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose, Banjo	1
4	GA5077709	Hose barb, Straight, 3/4" male thread x 3/4" hose, Banjo	1
5	GA2000216	Hose, Pressure, 20mm, Black 250psi (cut 1300 mm)	1
6	GA5000999	Hose Clamp, 3/4", SS (16-27/12W)	1

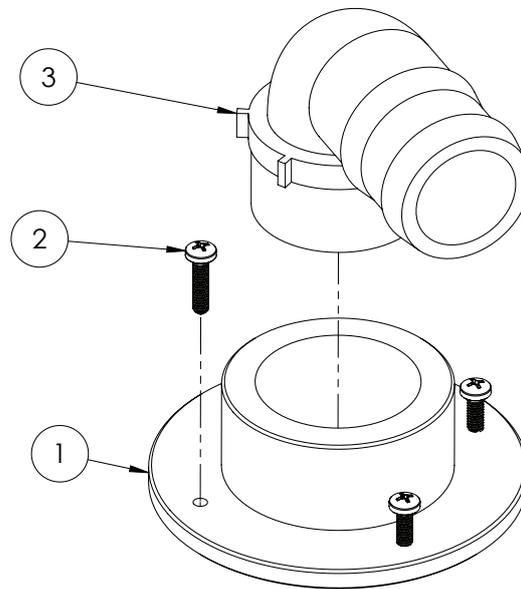
## Inlet - Tank Fill 3"



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4550590	Tank Top Inlet Fitting, 3" Flange and 3" NPT Female Thread	1
2	GA5077741	Hose barb, Straight, 3" male thread x 3" hose	1
3	GA5000527	Screw, Pan head, 12G x 25mm, SS	6
4	GA5077875	Hose barb, Elbow, 90 degree, 3" flange x 3" hose	1
5	GA2000116	Flange Clamp, and Gasket, 3"	1

## Outlet - Tank Overflow 2"

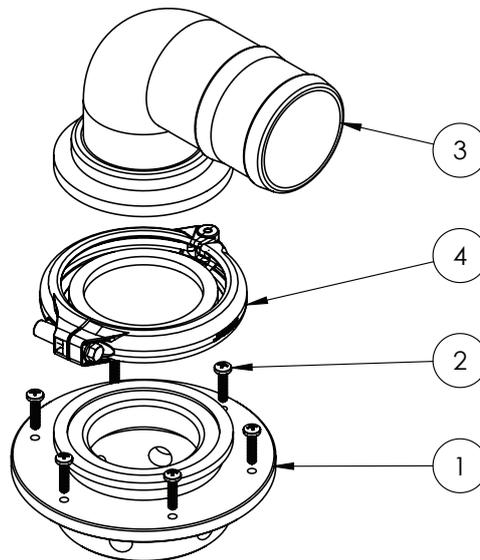
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4583370	Threaded Tank Flange 2"	1
2	GA5000527	Screw, Pan head, 12G x 25mm, SS	1
3	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose, Banjo	1

## Outlet - Tank Overflow 3"

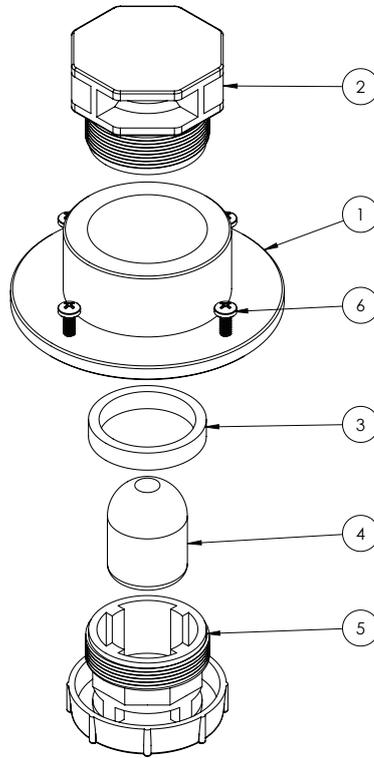
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4550590	Tank Top Inlet Fitting, 3" Flange and 3" NPT Female Thread	1
2	GA5000527	Screw, Pan head, 12G x 25mm, SS	6
3	GA5077875	Hose barb, Elbow, 90 degree, 3" flange x 3" hose	1
4	GA2000116	Flange Clamp, and Gasket, 3"	1

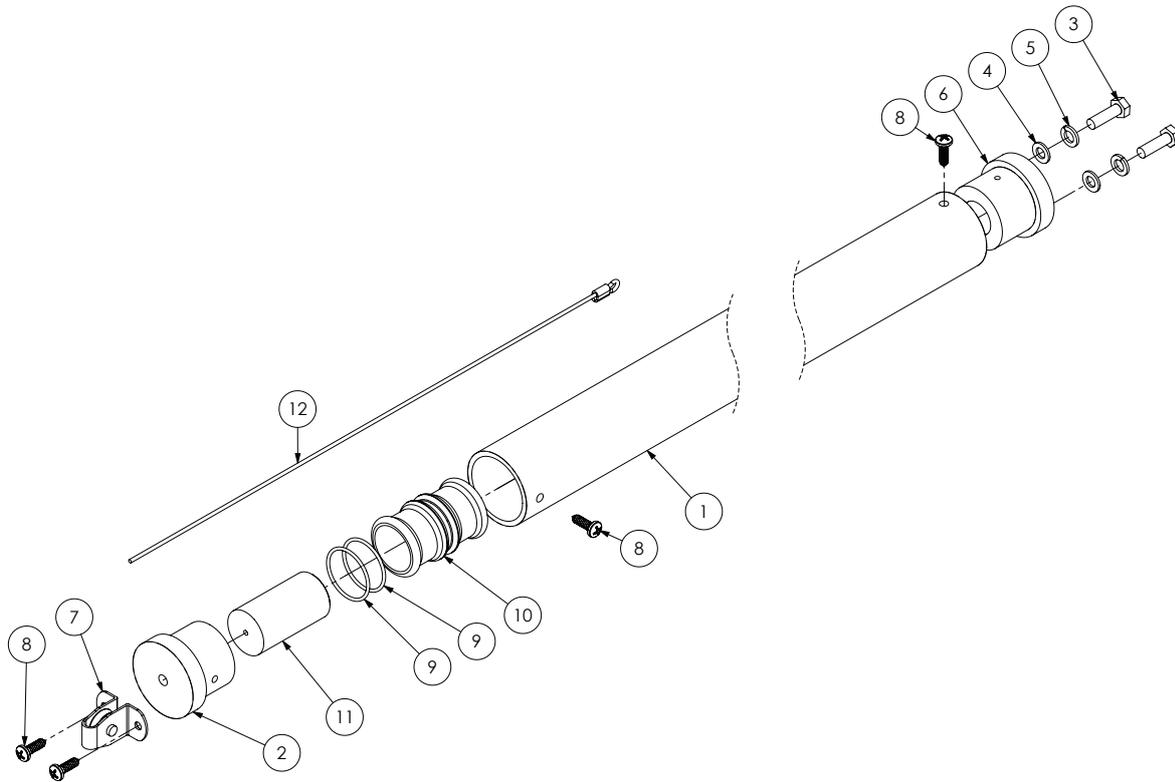
# Breather Valve Assembly

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4583370	Threaded Tank Flange 2"	1
2	GA5000527	Screw, Pan head, 1/2G x 25mm, SS	1
3	GA4551975	Spacer, 56mm OD, 5mm wall, 10mm Uniboard Poly	1
4,5,6	GA5077046	Valve, Breather, Single Floating Ball	1

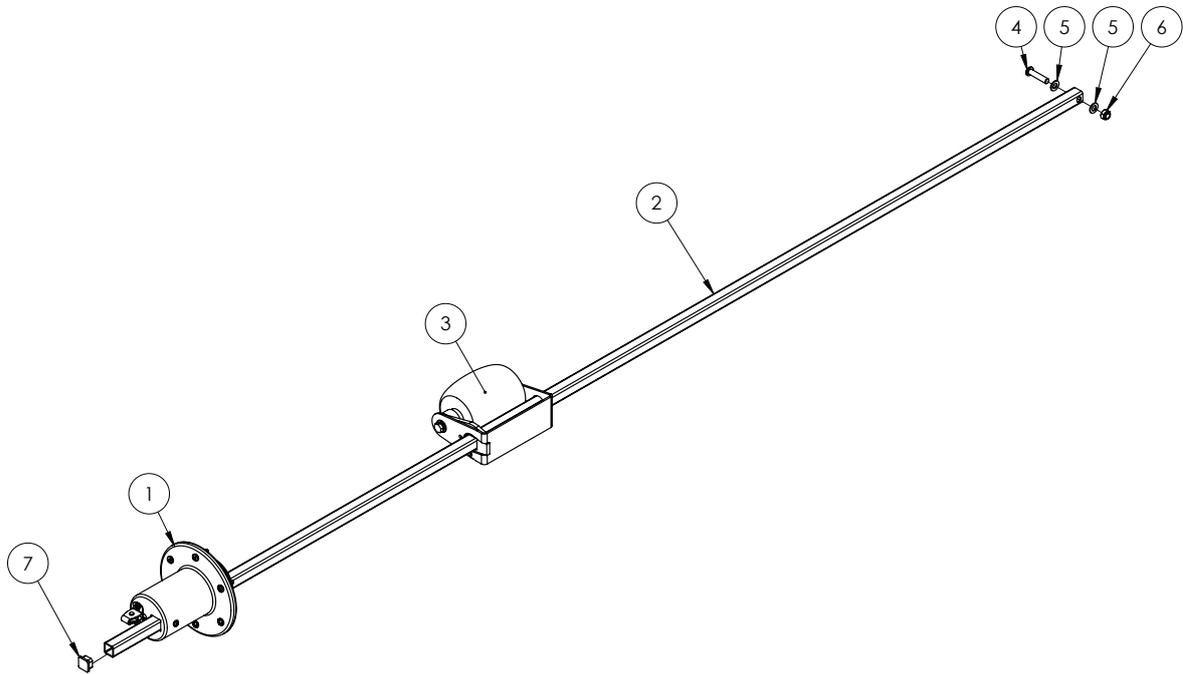
# Dry Sight Tube - Cap & Tube Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5065075	Decal, Dry sight tube, 6000L, Crop Cruiser	-
1	GA5002979	Sight tube, Clear, 38 ID x 44 OD x 2000 mm long, Polycarbonate	1
2	MACH0306	Remote sight tube end cap (Blk Poly)	1
3	GA5004065	Bolt M6 x 20 ZP GR8.8	2
4	GA5004437	Washer 6mm Flat SS	2
5	GA5004447	M6 Spring washer SS	2
6	MACH0316	Tube End Cap with Light Attachment	1
7	GA5015221	Pulley, Upright, 19 mm, Suit sight tube cable roller	1
8	GA5014817	Screw 10G x 5/8" Pan Head SS	4
9	GA5012529	O-ring, 34.65 x 1.78 mm, BS024	2
10	MACH0307	Remote sight tube level indicator	1
11	MACH0317	Level Indicator Insert	1
	GA4902149	Cable, Pre assembly, 5m - Includes cable and ferrules	-
12	GA5017873	Cable, Wire rope, 1.6 mm, 7x19 core, 316 SS, suit sight tube - Cut to 5 metres	1
	GA5008643	Ferrule, Hand swage, Nickle plated copper, suits GA5017873 cable	2

## Dry Sight Tube - Float & Guide

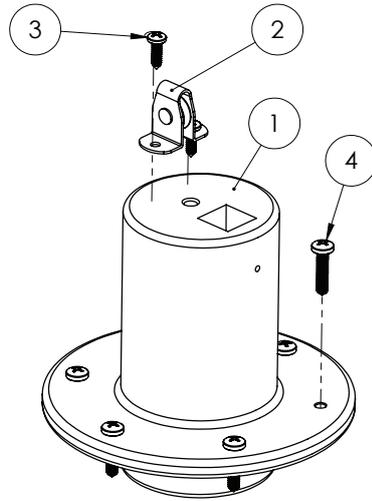
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	*	Dry Sight Tube - Locating Cap Assembly	1
2	GA5046955	19 x 19 x 1.6mm SS RHS - cut 2150 mm	1
3	*	Dry Sight Tube - Float Assembly	1
4	GA5051370	BHCS M8 x 35mm SS	1
5	GA5003643	Washer 8mm SS HD	2
6	GA5052590	Nut M8 Nyloc SS	1
7	GA5001101	Square tube Insert 19 x 19mm, Black	1

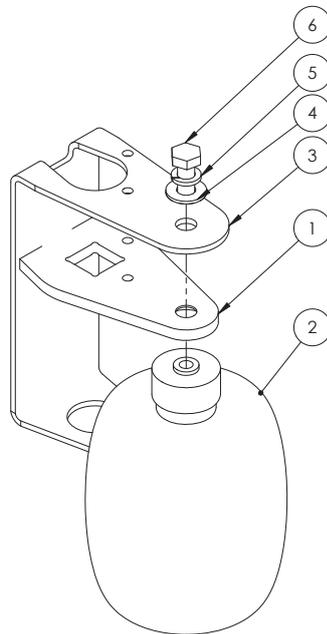
\* Sub-assembly on following pages

## Dry Sight Tube - Locating Cap Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MACH0308	Float tube locating cap (Blk Poly)	1
2	GA5015221	Pulley, Upright, 19mm	1
3	GA5014817	Screw 10G x 5/8" Pan Head SS	2
4	GA5000527	Screw, Pan head, 12G x 25mm, SS	6

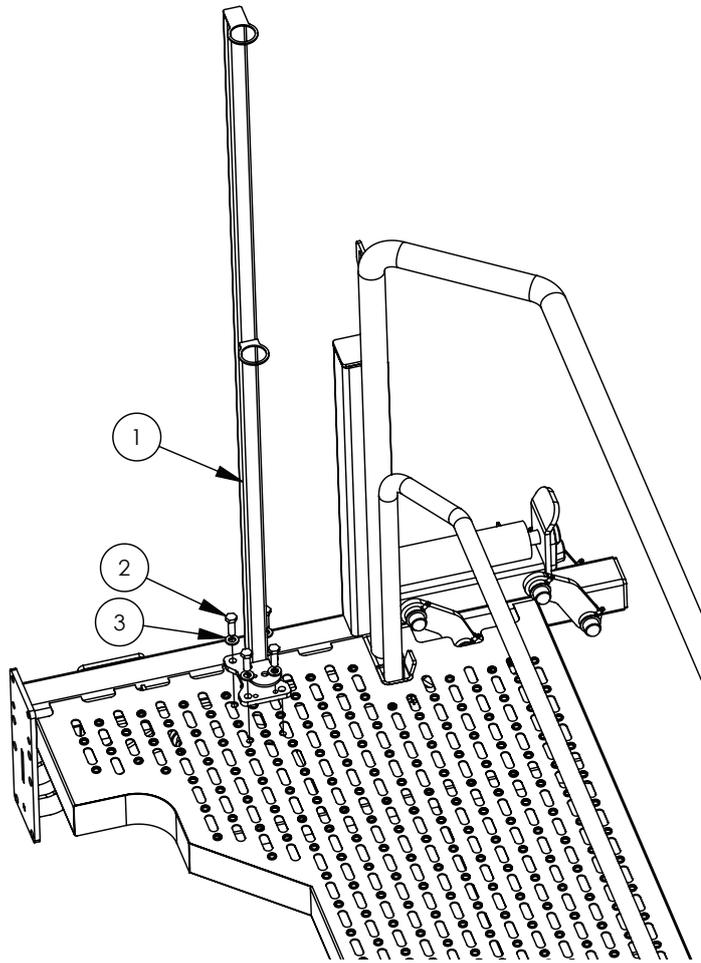
## Dry Sight Tube - Float Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5072660	Float Plate Dry Sight Tube	1
2	GA5072665	Ball Float 4" Plastic 5/16" Whitworth Threads	1
3	GA4401610	Plate, Float, Dry Sight Tube	1
4	GA5003643	Washer 8mm Flat SS HD	1
5	GA5004919	Washer 8mm Spring SS	1
6	GA5048485	Set Screw, 5/16" x 3/4" BSW, SS GR8	1

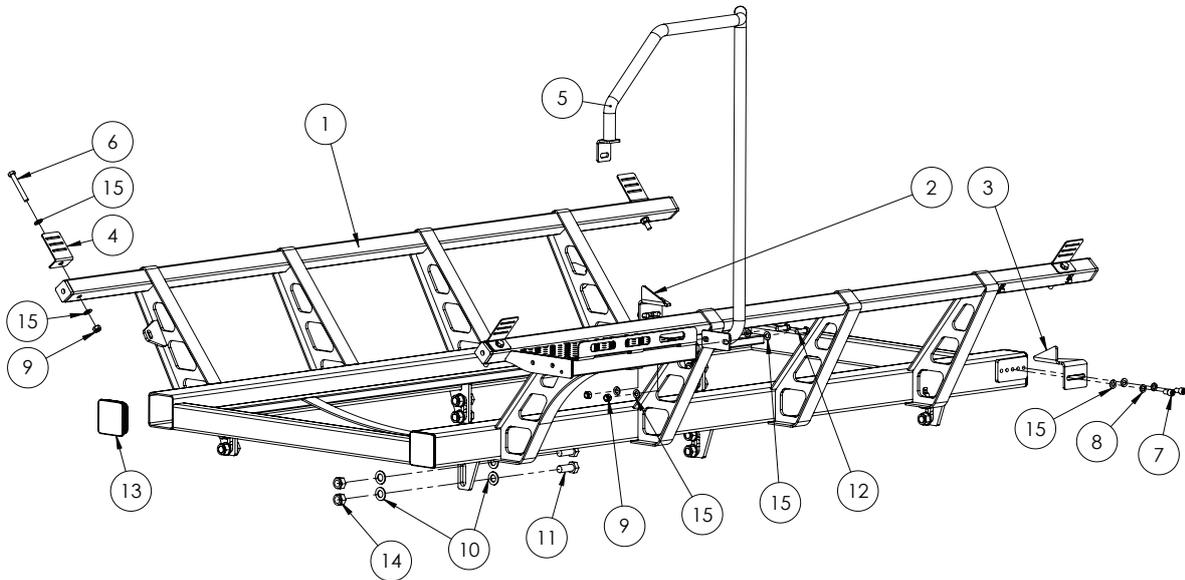
# Dry Sight Tube - Mount

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659830	Dry Sight Tube Mount 6000L	1
2	GA5000311	Set screw, M12 x 35, ZP GR 8.8	4
3	GA5000577	Washer 12mm Flat SS HD	4

# Tank Cradle



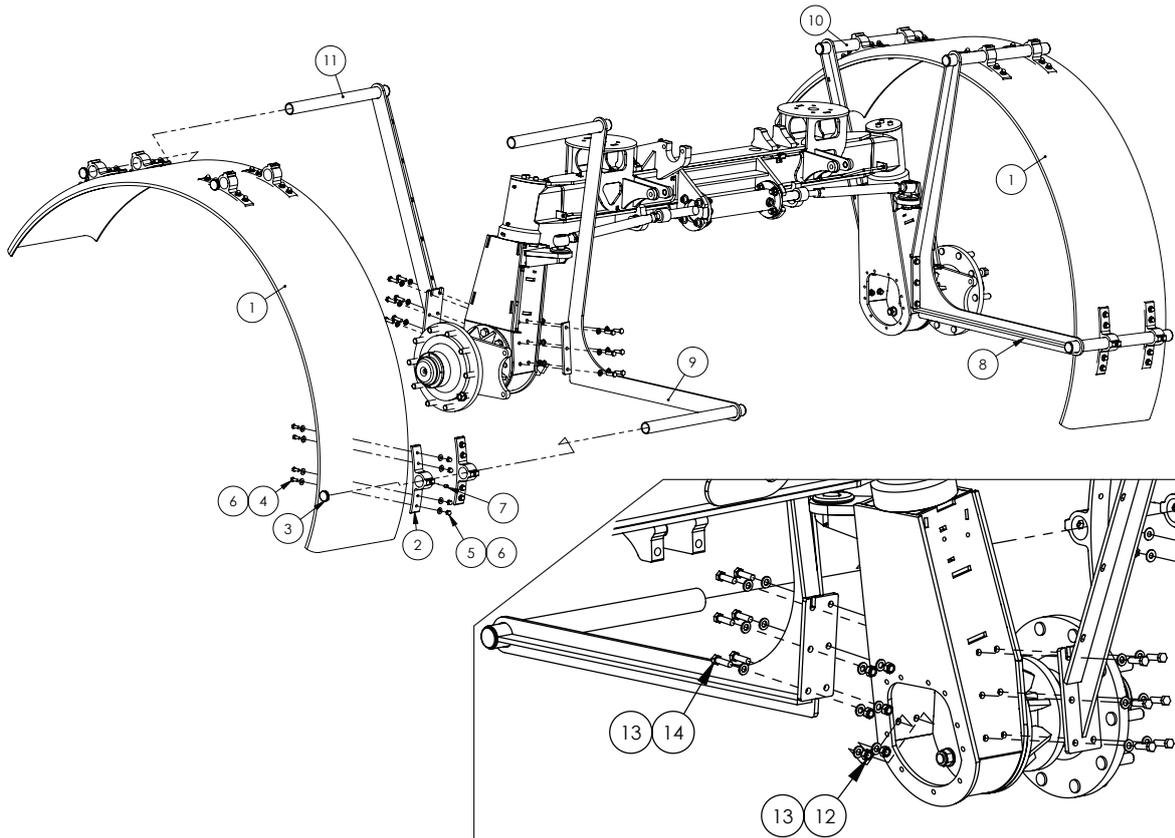
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5003859	50mm Tank Strap - Cut 4200mm long	2
1	GA4659770	6000L Tank Cradle	1
2	GA4509520	Tank Stop, Rear RH	1
3	GA4509521	Tank Stop, Rear LH	1
4	F70127A	Bracket, Tank strap, 50mm	4
5	GA4659790	Handrail Tank Cradle 6000L	1
6	GA5011263	Bolt M12 x 90 GR8.8 ZP	4
7	GA5050330	SHCS M12 x 20 GR12.9 ZP	4
8	GA5000575	Washer 12mm Spring SS	4
9	GA5012461	Nut M12 Nyloc ZP	6
10	GA5001741	Washer 20mm Flat SS HD	24
11	GA5011321	Bolt M20 x 50 ZP	12
12	GA5000311	Set Screw M12 x 35 GR 8.8 ZP	2
13	GA5071430	End Cap Insert, 100 x 100 x 4-6.3mm, Plastic Black	4
14	GA5048125	Nut M20 Nyloc Coarse ZP	12
15	GA5000577	Washer 12mm Flat SS HD	16



# Chapter 12

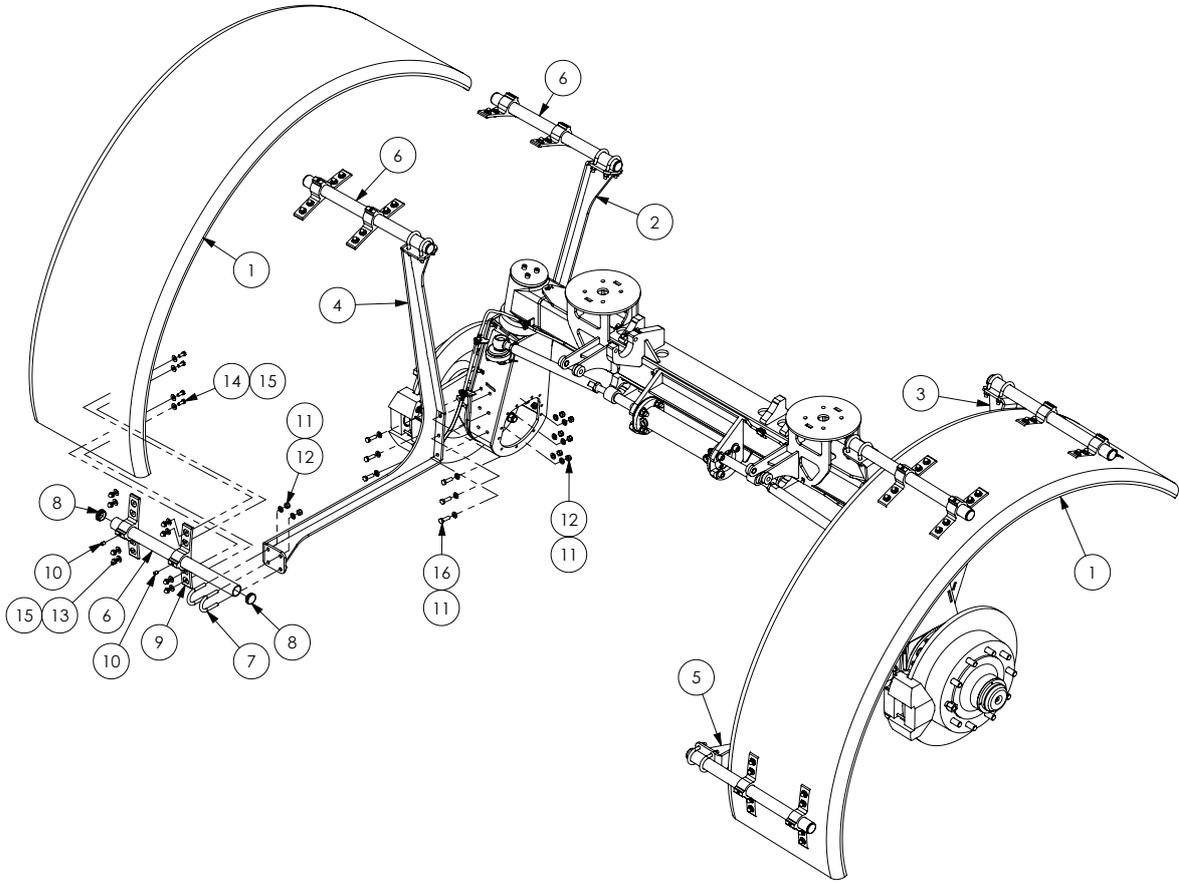
## WHEELS & MUDGUARD

### Mud Guards - Front Axle - 2WD - 380-480 Tyre



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5003825	Mudguard, Black plastic, 500 wide x 1000mm radius	2
2	GA5020450	Bracket, Plastic, Black, Mudguard mounting, BK-P300BK1	12
3	GA5003925	End cap, 45 mm round, Black plastic	12
4	GA5066162	Bolt M10 x 25 SS	48
5	GA5011133	Nut M10 Dome nut SS	48
6	GA5002565	Washer, 3/8" ID x 1" OD, Flat SS	96
7	GA5050675	Grub Screw M12 x 16 SS	12
8	GA4655136	Mudguard Bracket, Lower, 2WD FRH suit I8.4R46	1
9	GA4655137	Mudguard Bracket, Lower, 2WD FLH suit I8.4R46	1
10	GA4655186	Mudguard Bracket, Front, 2WD 2WS FRH I8.4R46	1
11	GA4655187	Mudguard bracket, Front, 2WD 2WS FLH I8.4R46	1
12	GA5012461	Nut M12 Nyloc ZP	24
13	GA5000577	Washer 12mm Flat SS HD	48
14	GA5000319	Set Screw M12 x 40 ZP GR8.8	24

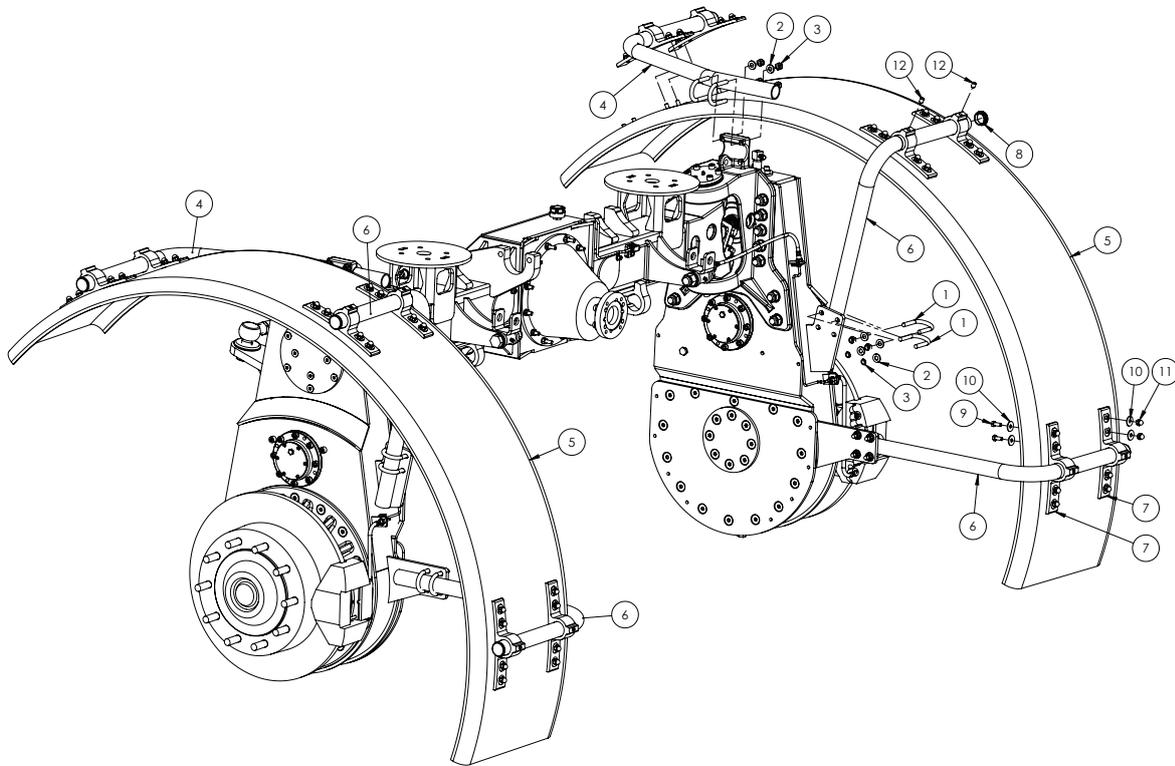
# Mud Guards - Front Axle - 2WD - 520-620 Tyre



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5003825	380-480 Tyre - Mudguard, Black plastic, 500 wide x 1000 mm radius	2
	GA5066975	520-620 Tyre - Mudguard, Black plastic, 600 wide x 1150 mm radius	2
2	GA4660550	Mudguard Bracket, Front Dropleg Left Front, 620R42	1
3	GA4660555	Mudguard Bracket, Front Dropleg Right Front, 620R42	1
4	GA4660560	Mudguard Bracket, Front Dropleg Left Rear, 620R42	1
5	GA4660565	Mudguard Bracket, Front Dropleg Right Rear, 620R42	1
6	GA4667910	Pipe 40H, Mudguard Mount, Suit 620 Wheels	6
7	GA5071209	U Bolt, round top, M12 x 91L x 50W	12
8	GA5003925	End cap, 45 mm round, Black plastic	12
9	GA5020450	Bracket, Plastic, Black, Mudguard mounting	12
10	GA5050675	Grub Screw M12 x 16 SS	12
11	GA5000577	Washer 12mm Flat SS HD	72
12	GA5012461	Nut M12 Nyloc ZP	48
13	GA5011133	Nut M10 Dome nut SS	48
14	GA5066162	Bolt M10 x 25 SS	48
15	GA5002565	Washer, 3/8" ID x 1" OD, Flat SS	96
16	GA5000319	Set Screw M12 x 40 ZP GR8.8	24

# Mud Guards - Front Axle - 4WD - 380-620 Tyre

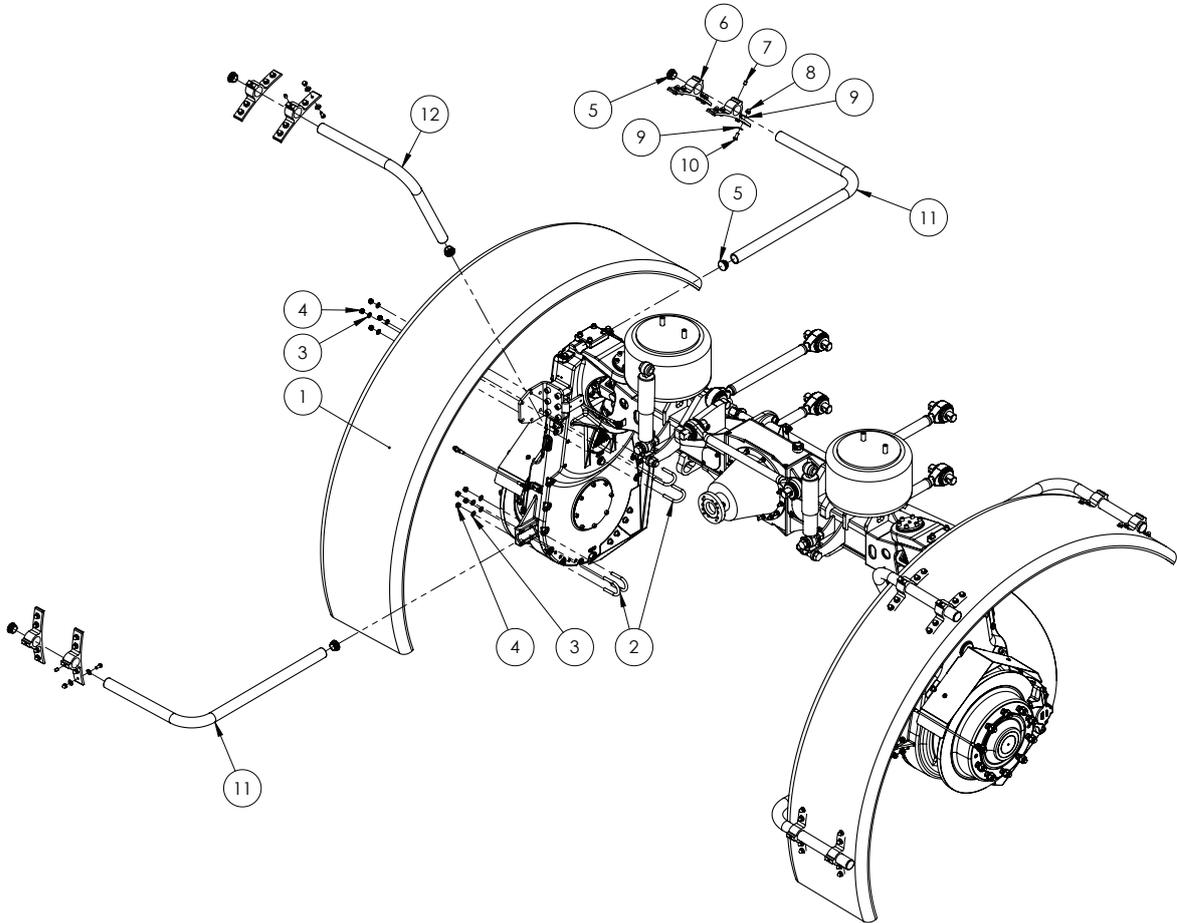
SERIAL #202105 TO #202213



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5071209	U Bolt, round top, M12 x 91L x 50mmW	12
2	GA5000577	Washer 12mm Flat SS HD	24
3	GA5012461	Nut M12 Nyloc ZP	24
4	GA5072330	Mudguard Pipe, Front Upper, 4WD Front, MY16	2
5	GA5003825	380-480 Tyre - Mudguard, Black plastic, 500 wide x 1000 mm radius	2
	GA5066975	520-620 Tyre - Mudguard, Black plastic, 600 wide x 1150 mm radius	2
6	GA5072570	Pipe, Mudguard, Rear Axle Dropleg, Front	4
7	GA5020450	Bracket, Plastic, Black, Mudguard mounting	12
8	GA5003925	End cap, 45 mm round, Black plastic	6
9	GA5066162	Bolt M10 x 25 SS	48
10	GA5002565	Washer, 3/8" ID x 1" OD, Flat SS	96
11	GA5011133	Nut M10 Dome nut SS	48
12	GA5050675	Grub Screw M12 x 16 SS	12

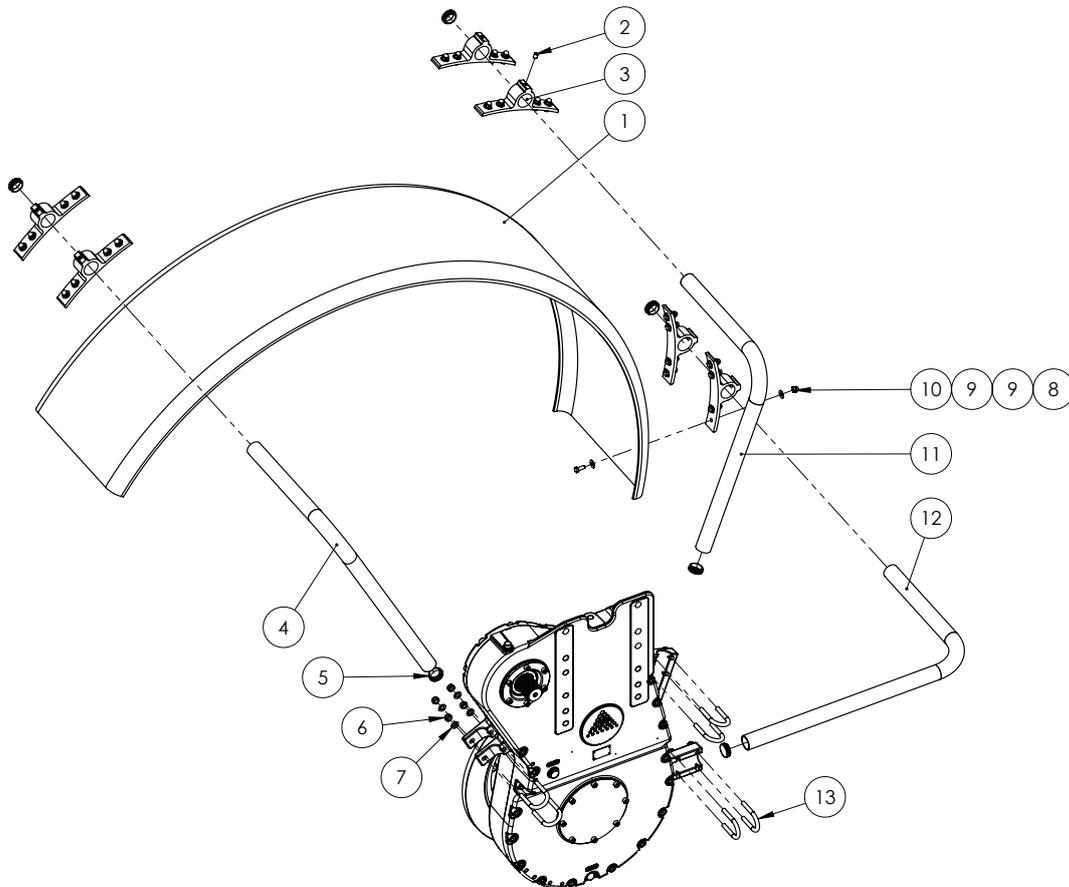
# Mud Guards - Front Axle - 4WD - 380-620 Tyre

SERIAL #202198 ONWARDS



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5003825	380-480 Tyre - Mudguard, Black plastic, 500 wide x 1000 mm radius	2
	GA5066975	520-620 Tyre - Mudguard, Black plastic, 600 wide x 1150 mm radius	2
2	GA5071209	U Bolt M12 x 91L x 50W RT G/P	8
3	GA5000577	Washer 12mm Flat SS HD	16
4	GA5012461	Nut M12 Nyloc ZP	16
5	GA5003925	End cap, 45 mm round, Black plastic	12
6	GA5020450	Bracket, Plastic, Black, Mudguard mounting	12
7	GA5050675	Grub Screw M12 x 16 SS	12
8	GA5011133	Nut M10 Dome nut SS	48
9	GA5002565	Washer 3/8" ID x 1" OD Flat SS	96
10	GA5066162	Bolt M10 x 25 SS	48
11	GA5078567	Pipe, Mudguard Mount, Front 4WD Dropleg, Top and Rear	4
12	GA5078568	Pipe, Mudguard Mount, Front 4WD Dropleg, Middle	2

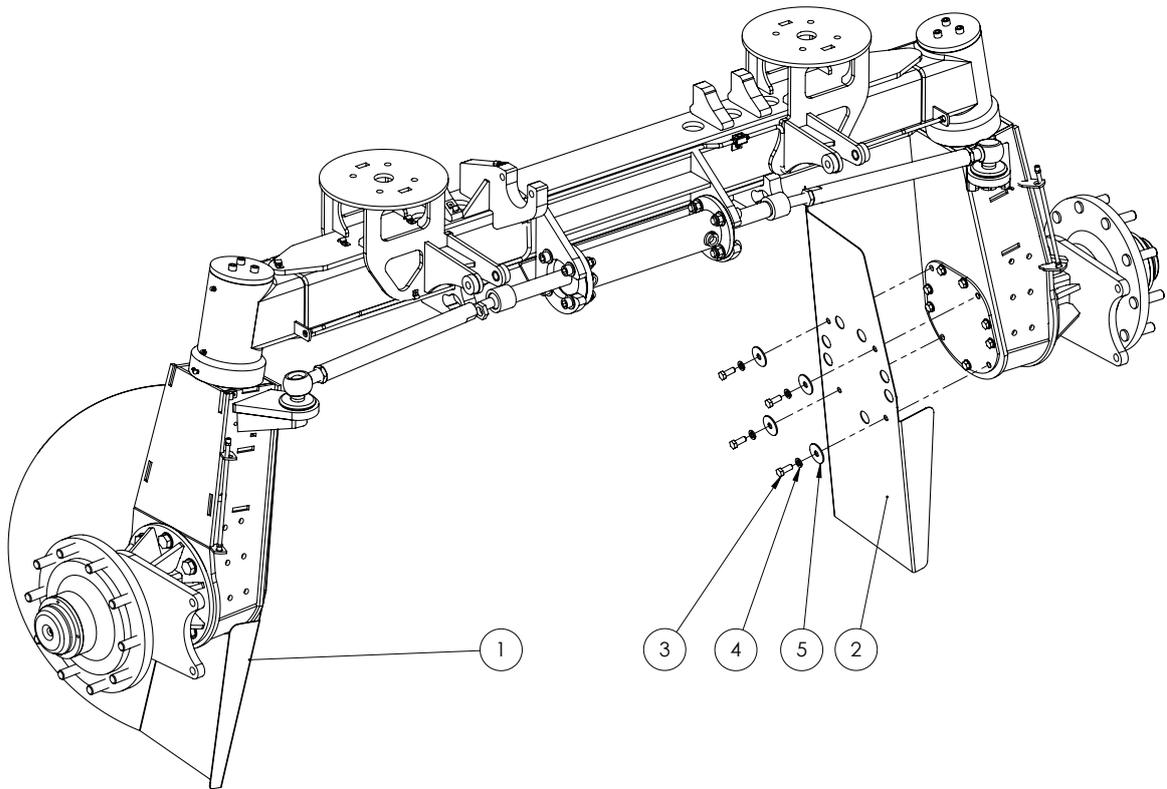
## Mud Guards - Rear Axle - 380-620 Tyre



# Quantities shown are per side.

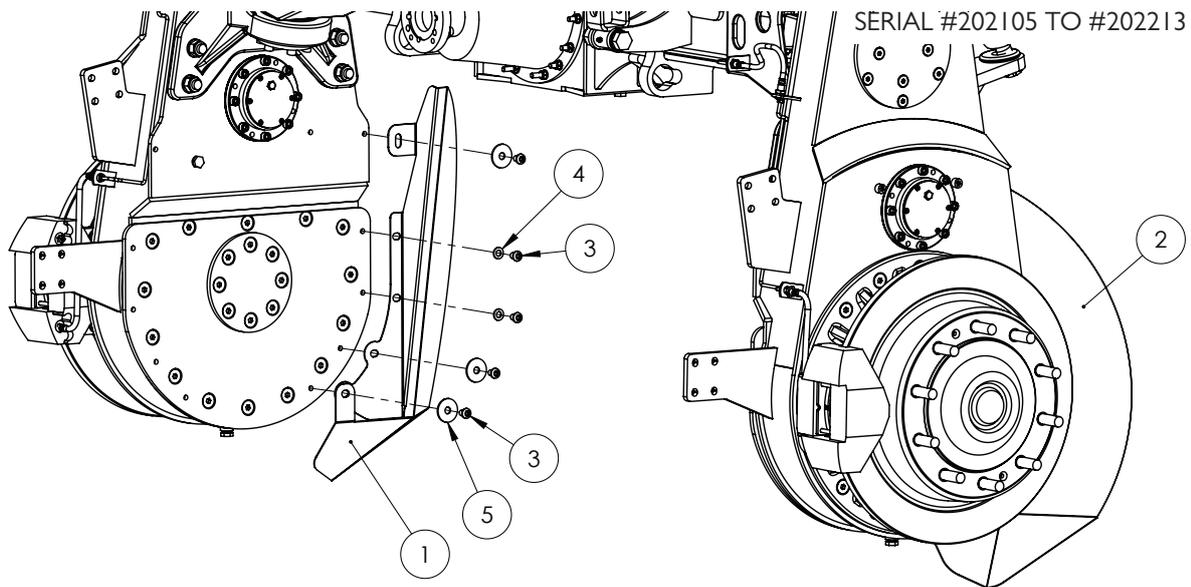
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5003825	380-520 Tyre - Mudguard, Black plastic, 500 wide x 1000 mm radius	1
	GA5066975	620 Tyre - Mudguard, Black plastic, 600 wide x 1150 mm radius	1
2	GA5050675	Grub Screw M12 x 16 SS	6
3	GA5020450	Bracket, Plastic, Black, Mudguard mounting, BK-P300BK1	6
4	GA5072570	Pipe, Mudguard, Rear Axle Dropleg, Front	1
5	GA5003925	End cap, 45 mm round, Black plastic	6
6	GA5012461	Nut M12 Nyloc ZP	12
7	GA5000577	Washer 12mm Flat SS HD	12
8	GA5066162	Bolt M10 x 25 SS	24
9	GA5002565	Washer 3/8" ID x 1" OD Flat SS	48
10	GA5011133	Nut M10 Dome nut SS	24
11	GA5072575	Pipe, Mudguard, Rear Axle Dropleg, Middle	1
12	GA5072580	Pipe, Mudguard, Rear Axle Dropleg, Rear	1
13	GA5071209	U Bolt, round top, M12 x 91L x 50W	6

## Crop Deflectors - Front Axle - 2WD



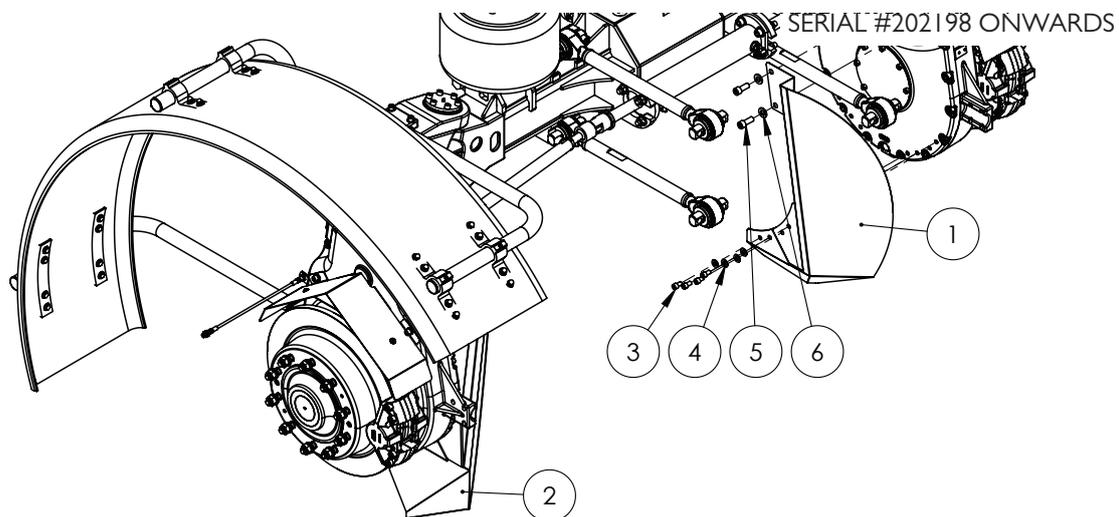
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4503390	Crop deflector, LH front 2WD, Crop Cruiser	1
2	GA4503395	Crop deflector, RH front 2WD, Crop Cruiser	1
3	GA5000305	Set Screw M12 x 30 GR8.8 ZP	8
4	GA5000575	Washer 12mm Spring SS	8
5	GA4535345	Washer, 50mm OD x 14.5mm ID, SS	8

## Crop Deflectors - Front Axle - 4WD



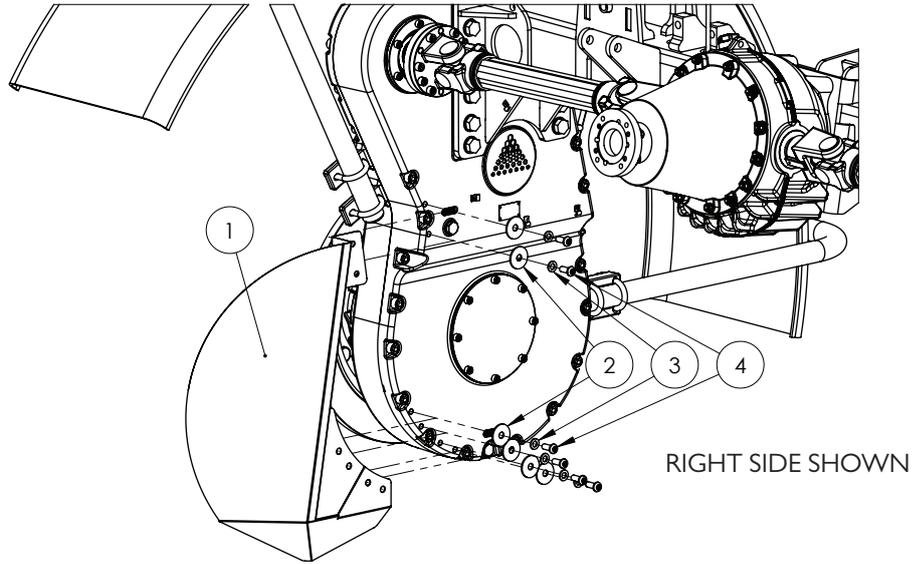
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4507855	Crop Deflector, Front 4WD LH, Crop Cruiser	1
2	GA4507860	Crop Deflector, Front 4WD RH, Crop Cruiser	1
3	GA5069890	BHCS M12 x 16 ZP GR12.9	10
4	GA5000577	Washer 12mm Flat SS HD	4
5	GA4535345	Washer, 50 OD x 14.5mm ID, SS	6

## Crop Deflectors - Front Axle - 4WD



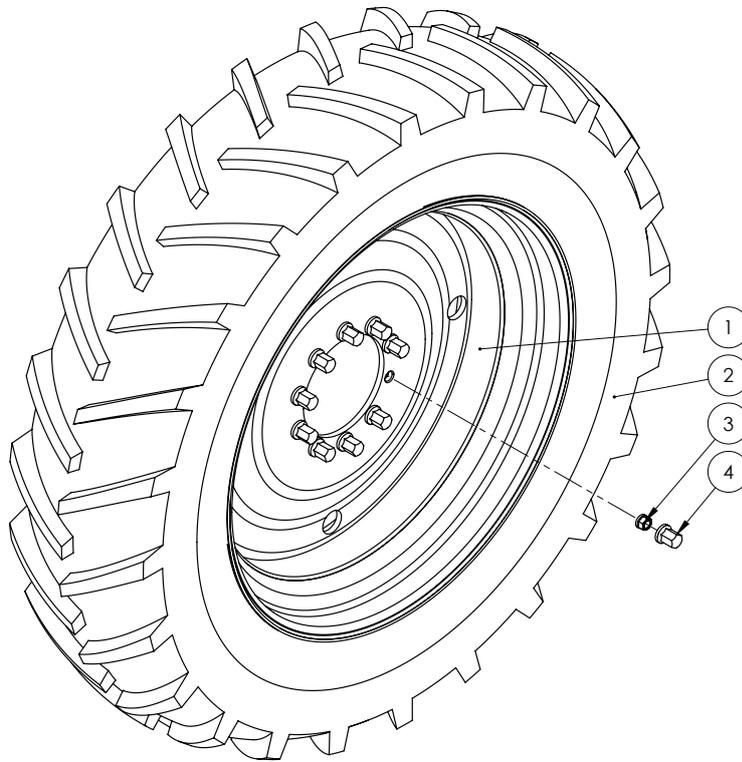
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4406565	Plate, Crop Deflector, Front 4WD Drop Leg, LH	1
2	GA4406570	Plate, Crop Deflector, Front 4WD Drop Leg, RH	1
3	GA5050330	SHCS M12 x 20 GR12.9 ZP	8
4	GA5017673	Washer 1/2" Flat ZP HD	8
5	GA5000925	SHCS M16 x 40 GR12.9 ZP	4
6	GA5001043	Washer 16mm Flat SS HD	4

## Crop Deflectors - Rear Axle - 2WD & 4WD



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4401535	Crop Deflector, Rear, LH	1
	GA4401540	Crop Deflector, Rear, RH	1
2	GA4535345	Washer, 50 OD x 14.5mm ID, SS	12
3	GA5000577	Washer 12mm Flat SS HD	12
4	GA5051530	BHCS M12 x 30 SS A2-70	12

## Tyres & Rims



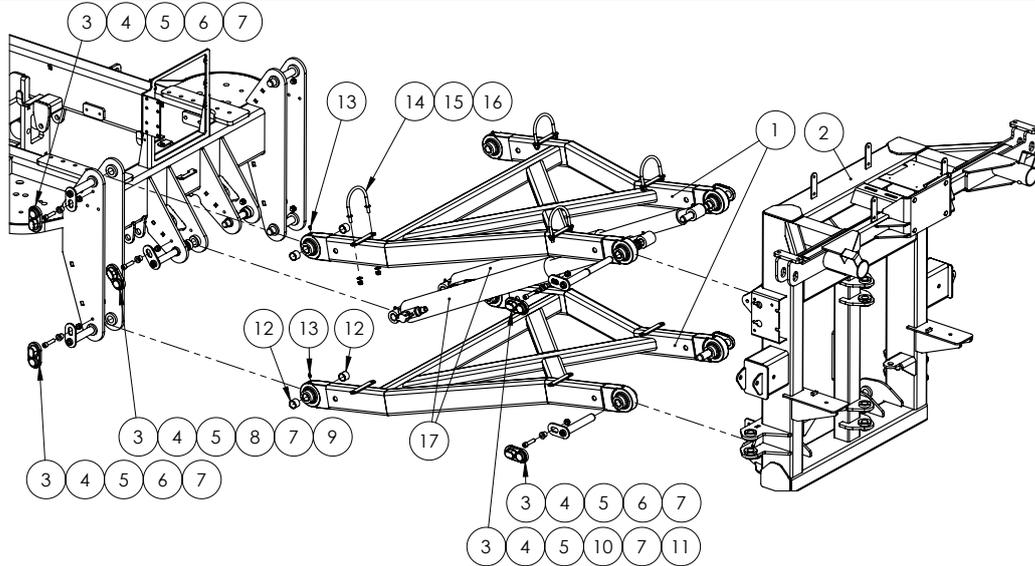
COMBO.	ITEM NO.	PART NUMBER	DESCRIPTION
A	1	GA5066228	Rim - DD13 x 46, 10 stud on 335 PCD, +52.5 offset
	2	GA5067025	Tyre - 380/90R R46 (14.9 R46 I56 A8) - Harvest
B	1	GAI500004	Rim - DD16 x 46, 0mm Offset, 10 stud 335 PCD
	2	GA5066230	Tyre - 480/80 R46 (18.4 R46 I58 A8) - Agrimax/Tanli/ Harvest
C	1	GAI500008	Rim - DD16 x 46, 10 stud on 335 PCD, - 20mm Offset
	2	GAI500024	Tyre - 520/85R46, X-Load I73A8/I69D, Harvest
D	1	GAI500007	Rim - DW20 x 42, 10 stud on 335 PCD, - 65mm Offset
	2	GAI500002	Tyre - 620/70 R42, HR45 AT - Harvest
A-D	3	GA5018892	Wheel nut, M22 x 1.5mm, ZP
A-D	4	GA5070815	Hex Nut Cap Suit M22 Crop Cruiser Stud



# Chapter 13

## BOOM CENTRE

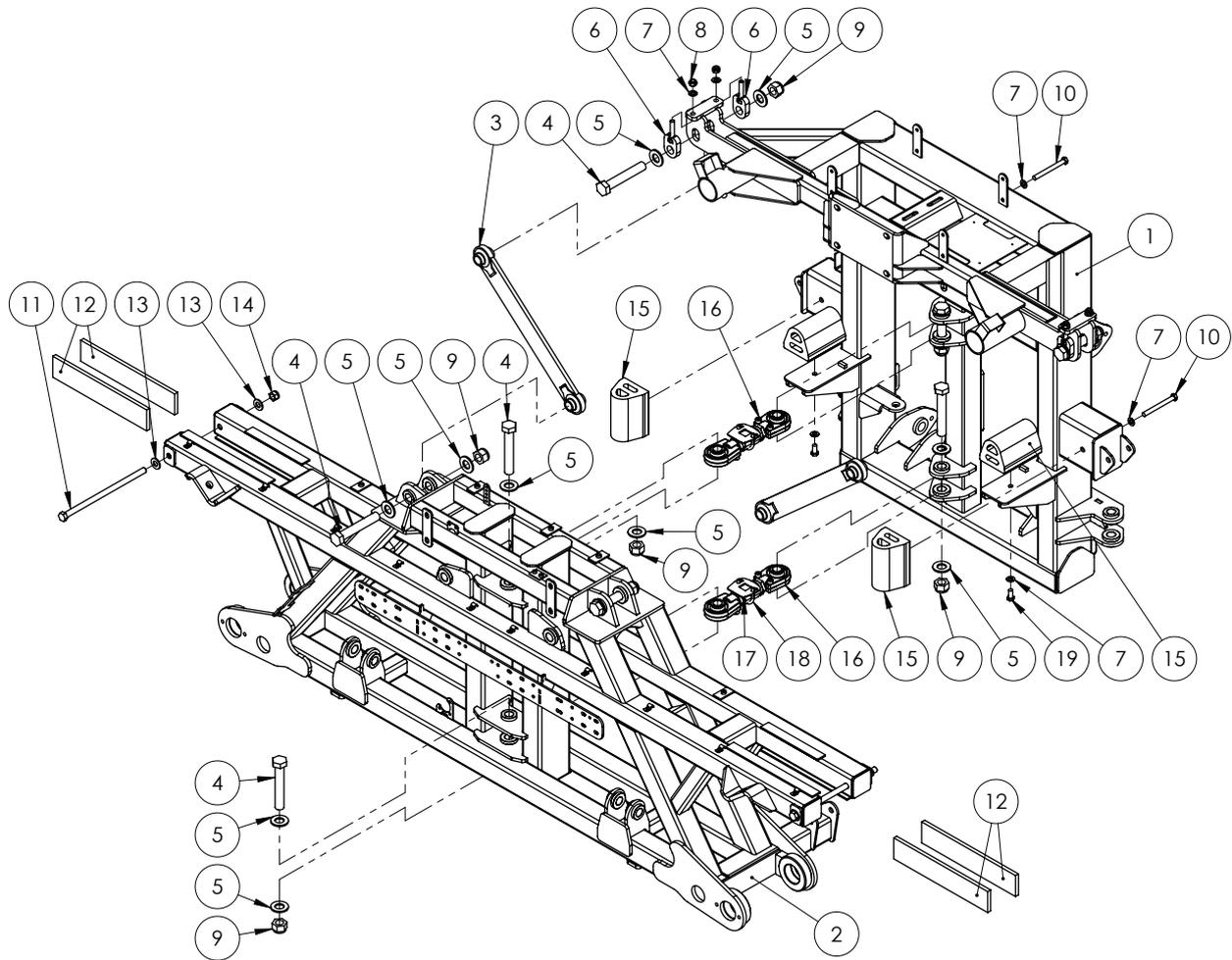
### Paralift Arms & Paralift Rear



#### PARALIFT PIN KIT

PART NUMBER	DESCRIPTION	NOTE: This kit requires GA5066645 to be cut down to make GA5066646 for fitment.	
GA5066673	Pin kit suit paralift		
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658750	Paralift arm	2
	GA5066192	Weld on end, Paralift arm, Solid bush insert - Suit field repair	-
2	GA4658138	Paralift Rear, Trittech, 24m to 42m Boom	1
3	GA5067885	Pin cover, Black, clip on, plastic	10
4	GA5051470	SHCS M12 x 50 GR12.9 ZP	10
5	MACH0152	Bush w/shoulder, 12.3 ID x 25 OD x 21 long, Suit paralift pin bolts	10
6	GA5066655	Pin w/retaining plate, 28.575 OD x 180 mm long	6
7	GA5012461	Nut M12 Nyloc ZP	13
8	GA5066646	Pin with retainer, 1" OD x 180 mm long, Crop Cruiser lift arm base	2
9	GA4562190	Spacer bush, 40 OD x 26 ID x 17.5 long, Paralift arms	2
10	GA5066675	Pin w/retaining plate, Stepped, 294mm Long, Suit paralift ram & arm	2
11	GA4572135	Spacer bush, 40 OD x 25.8 ID x 9 thick, Paralift arm spacer	2
12	GA5065486	Glacier bush 1 1/8" x 1" long	16
13	GA5050450	Grease nipple 6mm	8
14	GA5070905	U bolt, Round top, M10 x 118 x 115mm, with stopper washers, ZP	4
15	GA5000117	Washer 10mm Flat SS HD	8
16	GA5000141	Nut M10 Nyloc ZP	5
17	GA5070081 ^	Hydraulic Cylinder, Bore 3", Rod 2.5", Stroke 26"	2

# Boom Centre - Base Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658138	Paralift Rear, Tritech, 24m to 42m Boom	1
2	GA4658122	Centre Section, Tritech, 24m - 42m	1
3	GA4656240	Delta link, Long	2
4	GA4683145	Bolt 1" UNC x 6" cut down from 7"	8
5	GA5017681	Washer 1" x 2" 7g Flat Thin SS	16
6	GA4656260	Boom Delta hanger adjuster bolt	4
7	GA5000577	Washer 12mm Flat SS HD	8
8	GA5012461	Nut M12 Nyloc ZP	4
9	GA5012439	1" Nyloc Nut UNC ZP	8
10	GA5000265	Bolt M12 x 120 GR8.8 ZP	2
11	GA5075125	M16 x 325 GR4.4 ZP 60mm Thread	2
12	GA5075090	Wear pad, 380 x 74 x 12 mm, Polystone, Suit Tri Tech tilt arm	4
13	GA5001009	Washer 16mm Flat ZP HD	4

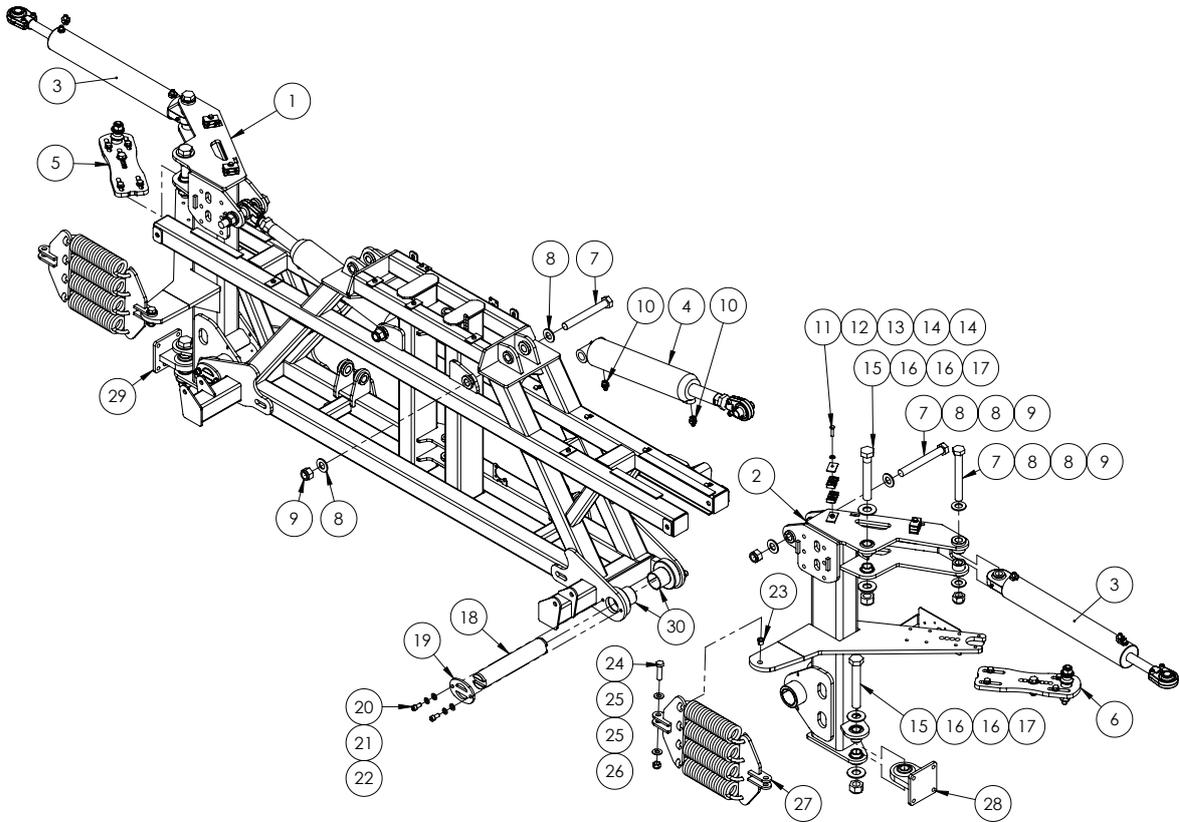
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## Boom Centre - Base Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
14	GA5012463	Nut M16 Nyloc SS	2
15	GA5075240	Bump Stop Rubber with threaded insert	4
16	DELTA-LINKSA*	Short Adjustable delta link	2
17	GA4524140	Locking plate suit adjustable delta link	2
18	GA5018245	U bolt, Round top, M8 x 50 x 60 mm	2
19	GA5011229	Bolt M12 x 25 GR8.8 ZP	2

\* Sub-assembly on following pages

# Boom Centre - Tilt Assembly - 30-36m



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4660190	Tilt Arm Tritech 42m Dual Fold Cylinder RH inc. bushings	1
2	GA4660185	Tilt Arm Tritech 42m Dual Fold Cylinder LH inc. bushings	1
3	GA5018538^	Hydraulic Cylinder, Bore 3", Rod 1.25", Stroke 18"	2
4	GA5065051^	Hydraulic Cylinder, Bore 3.5", Rod 1.75", Stroke 5"	2
5	GA4922221*	Cable Mount Rear, Flat fold RH	1
6	GA4922226*	Cable Mount Rear, Flat fold LH	1
7	GA5006151	Bolt 1" UNF 12 TPI x 8 GR8 ZP	6
8	GA5017681	Washer 1" x 2" 7g Flat Thin SS	12
9	GA5012446	Nut, 1", UNF, 12 TPI, Nyloc ZP	6
10	GA3500147	Hydraulic adaptor, Nipple, 9/16" JIC male x 3/4" UN male O-ring	4
11	GA5011481	Bolt M8 x 35 GR8.8 ZP	4
12	GA5003643	Washer 8mm Flat SS HD	4
13	GA5078042	Mounting clamp, Double type, Plate, Top, Group 2	4
14	GA5078031	Mounting clamp, Double type, Jaw, Pair, Group 2, 14mm	8
15	GA0500053	Bolt, 1 1/8" x 7 1/2" UNC, ZP, Gr8	4
16	GA5017653	Washer 1 1/8" x 2 1/2" x 7g Flat SS	8
17	GA0500054	Nut 1 1/8", Nyloc, ZP, UNC	4
18	GA4572365	Tilt pin suit wide centre	2
19	GA4502280	Pin retainer	4
20	GA5000297	SHCS M12 x 25 GR12.9 ZP	8

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## Boom Centre - Tilt Assembly - 30-36m

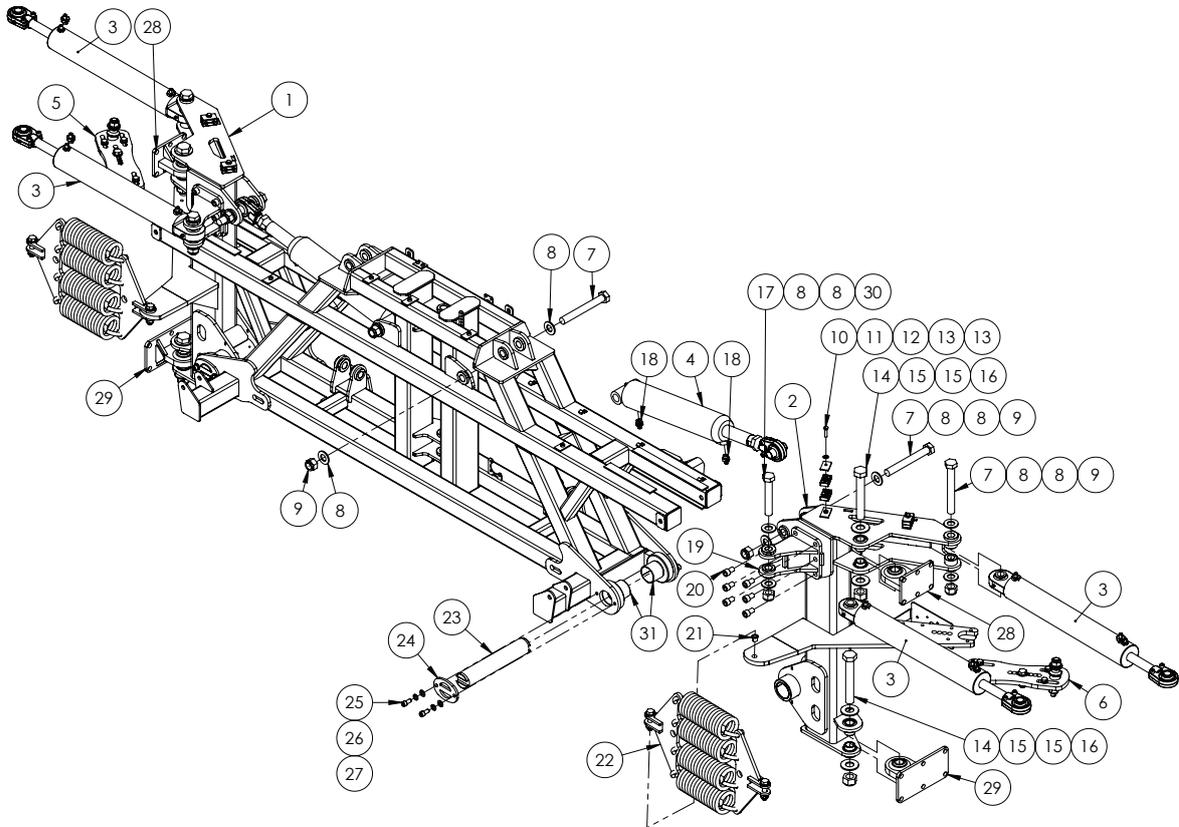
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
21	GA5000575	Washer 12mm Spring SS	8
22	GA5000577	Washer 12mm Flat SS HD	8
23	GA5075220	Glacier bush flanged 16mm suit boom cable pivot	2
24	GA5000941	Bolt M16 x 60 GR8.8 ZP	2
25	GA5001009	Washer 16mm Flat ZP HD	4
26	GA5012463	Nut M16 Nyloc SS	2
27	GA4905665~	30-36m Cable damper assembly	2
28	GA4656201	Rose end, Bolt on, LH, Suit 24 - 36m boom	1
29	GA4656200	Rose end, Bolt on, RH, Suit 24 - 36m boom	1
30	GA5075060	Glacier bush 60mm ID 50mm long	4

\* Sub-assembly on following pages

~ See Chapter 14 'Boom Wing' for sub-assembly

^ See Chapter 18 'Hydraulics' for sub-assembly

# Boom Centre - Tilt Assembly - 42m



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4660190	Tilt Arm Tritech 42m Dual Fold Cylinder RH inc. bushings	1
2	GA4660185	Tilt Arm Tritech 42m Dual Fold Cylinder LH inc. bushings	1
3	GA5018538^	Hydraulic Cylinder, Bore 3", Rod 1.25", Stroke 18"	4
4	GA5065051^	Hydraulic Cylinder, Bore 3.5", Rod 1.75", Stroke 5"	2
5	GA4922221*	Cable Mount Rear, Flat fold RH	1
6	GA4922226*	Cable Mount Rear, Flat fold LH	1
7	GA5006151	Bolt 1 UNF 12 TPI x 8 GR8 ZP	6
8	GA5017681	Washer 1" x 2" 7g Flat Thin SS	16
9	GA5012446	Nut, 1", UNF, 12 TPI, Nyloc ZP	6
10	GA5011481	Bolt M8 x 35 GR8.8 ZP	4
11	GA5003643	Washer 8mm Flat SS HD	4
12	GA5078042	Double Clamp Plate Top GR2	4
13	GA5078031	Mounting clamp, Double type, Jaw, Pair, Group 2, 14mm, RCD-14J	8
14	GA0500053	Bolt, 1 1/8" x 7 1/2" UNC, ZP, Gr8	4
15	GA5017653	Washer 1 1/8 x 2 1/2 x 7g Flat SS	8
16	GA0500054	1 1/8" Nyloc Nut UNC ZP	4
17	GA4683145	Bolt 1" UNC x 6" cut down from 7"	2
18	GA3500147	Hydraulic adaptor, Nipple, 9/16" JIC male x 3/4" UN male O-ring	4
19	GA4658875	Fold cylinder mount SP flat fold	2

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## Boom Centre - Tilt Assembly - 42m

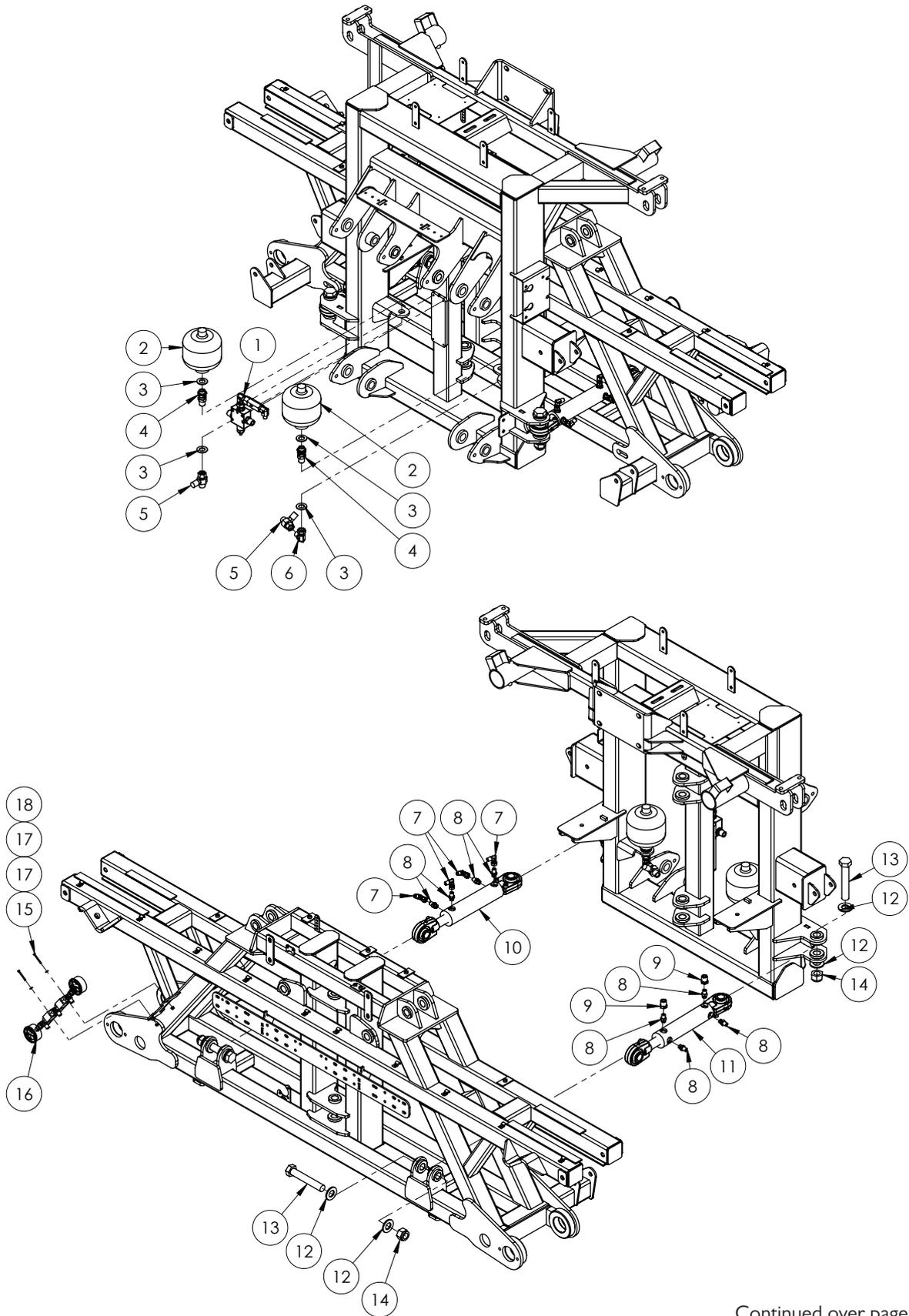
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
20	GA5000905	SHCS M16 x 25 GR12.9 ZP	12
21	GA5075220	Glacier bush flanged 16mm suit boom cable pivot	2
22	GA4912493~	Mount, Boom cable spring, Trittech 42m	2
23	GA4572365	Tilt pin	2
24	GA4502280	Pin retainer	4
25	GA5000297	SHCS M12 x 25 GR12.9 ZP	8
26	GA5000575	Washer 12mm Spring SS	8
27	GA5000577	Washer 12mm Flat SS HD	8
28	GA4659215	Top Rose End Large Trittech SP	2
29	GA4659220	Bottom Rose End Large Trittech	2
30	GA5012439	1" Nyloc Nut UNC ZP	2
31	GA5075060	Glacier bush 60mm ID 50mm long	4

\* Sub-assembly on following pages

~ See Chapter 14 'Boom Wing' for sub-assembly

^ See Chapter 18 'Hydraulics' for sub-assembly

# Boom Centre - Yaw Assembly - 30-36m



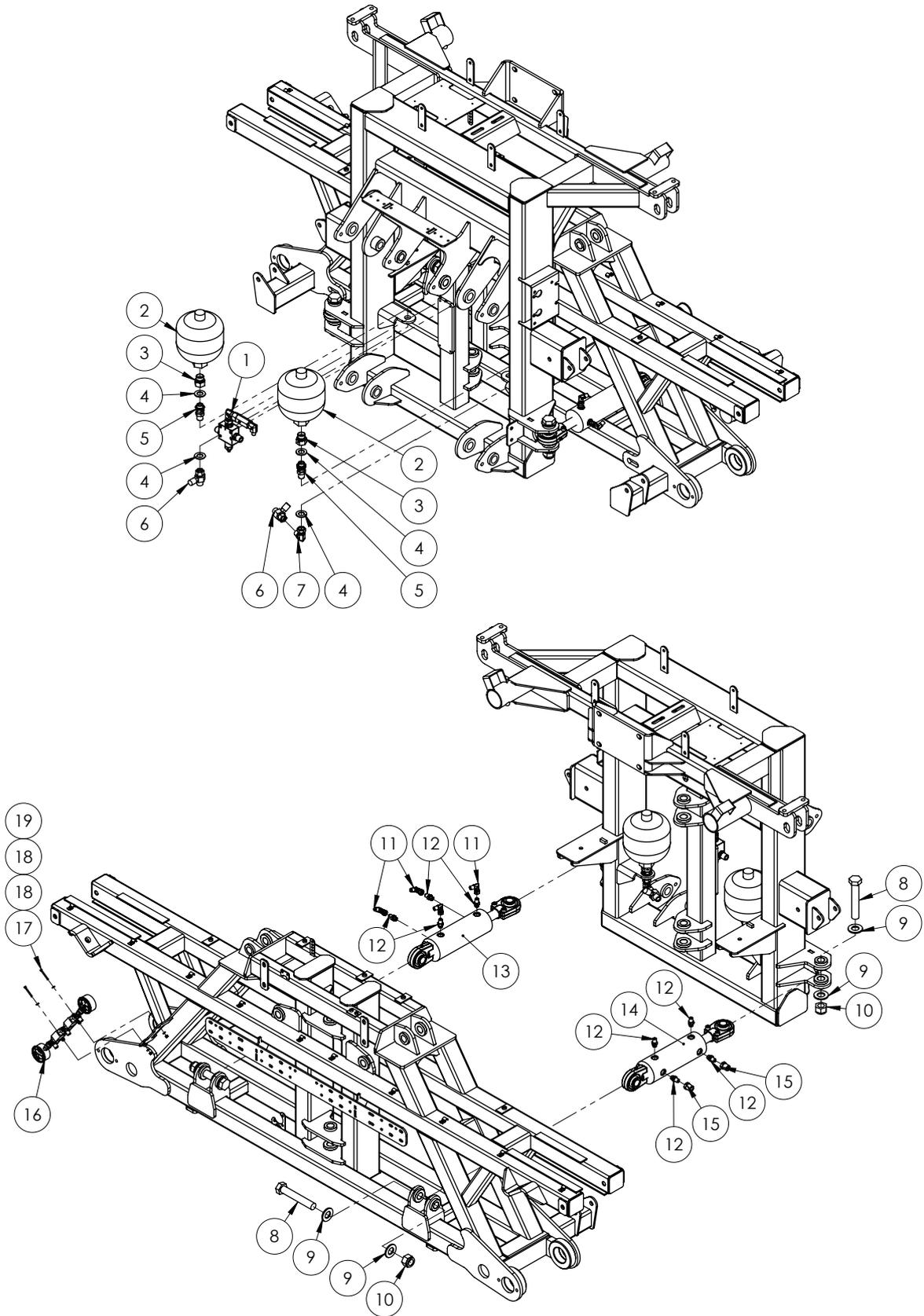
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## Boom Centre - Yaw Assembly - 30-36m

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	^	Pressure Reducer Valve Assembly	1
2	GA5007787	Accumulator, Hydraulic, 1L, precharged to 70 bar	2
3	GA5001741	Washer 20mm Flat SS HD	4
4	GAS99-603	Hydraulic adaptor, Bulkhead nipple, 1/2 BSP male x 1/2 BSP male	2
5	GA3500198	Hydraulic adaptor, Inline test point, 1/2" BSPP female swivel x 1/2" BSPT male x M16 x 2.0 test port	2
6	GA3500333	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel	1
7	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	4
8	GA3500358	Hydraulic adaptor, Nipple, 1/4" BSPT male x 9/16" UN male O-ring	8
9	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female	2
10	^	Hydraulic Cylinder - Yaw Left side	1
11	^	Hydraulic Cylinder - Yaw Right side	1
12	GA5017681	Washer 1" x 2" 7g Flat Thin SS	8
13	GA4683145	Bolt 1" UNC x 6" cut down from 7"	4
14	GA5012439	1" Nyloc Nut UNC ZP	4
15	GA5049800	SHCS M4 x 40 GR12.9 ZP	2
16	^	Yaw Control Valve Assembly	1
17	GA5011361	Washer 4mm Flat ZP	4
18	GA5049025	Nut M4 Nyloc SS	2

^ See Chapter 18 'Hydraulics' for sub-assembly

# Boom Centre - Yaw Assembly - 42m



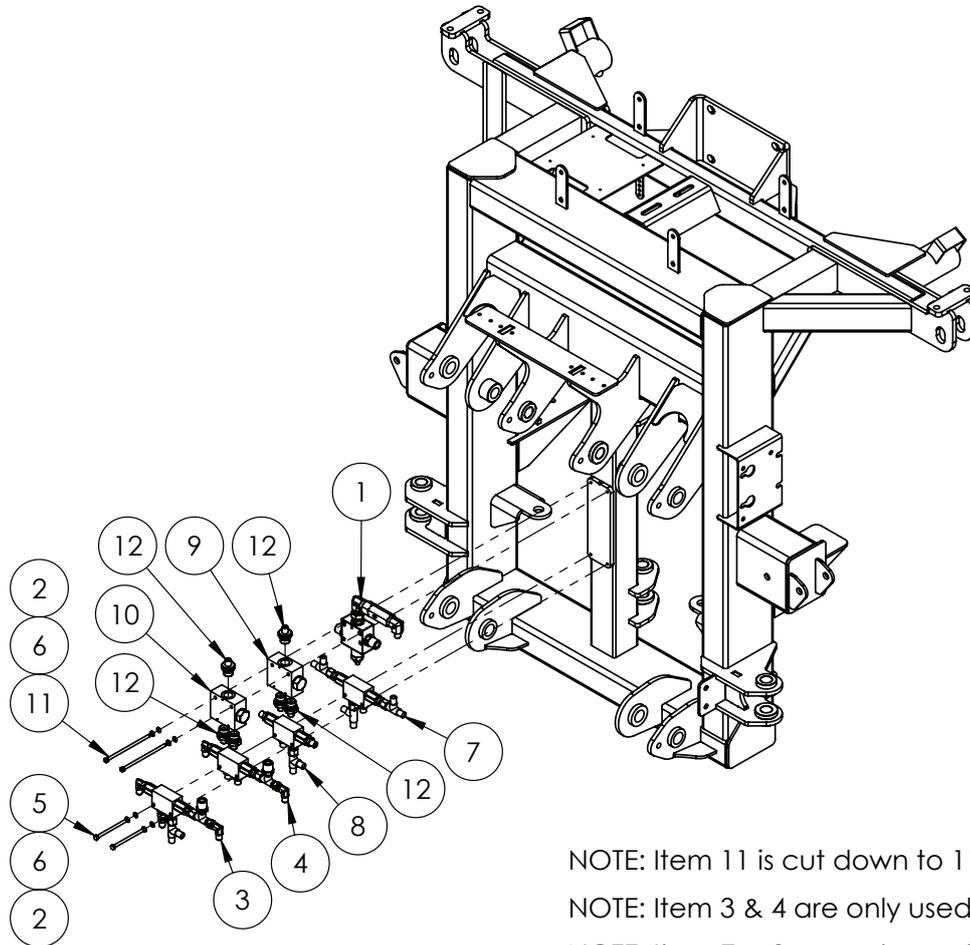
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## Boom Centre - Yaw Assembly - 42m

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	^	Pressure Reducer Valve Assembly	1
2	GA3500021	Accumulator, Hydraulic, 2L, 90 Bar pre charge, suit 42m yaw	2
3	GA3500483	Hydraulic Adaptor, 3/4" BSPP to 1/2" BSPP Reducing Bush	2
4	GA5001741	Washer 20mm Flat SS HD	4
5	GAS99-603	Hydraulic adaptor, Bulkhead nipple, 1/2" BSP male x 1/2" BSP male	2
6	GA3500198	Hydraulic adaptor, Inline test point, 1/2" BSPP female swivel x 1/2" BSPT male x M16 x 2.0 test port	2
7	GA3500333	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel	1
8	GA4683145	Bolt 1" UNC x 6" cut down from 7"	4
9	GA5017681	Washer 1" x 2" 7g Flat Thin SS	8
10	GA5012439	1" Nyloc Nut UNC ZP	4
11	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	4
12	GA3500358	Hydraulic adaptor, Nipple, 1/4" BSPT male x 9/16" UN male O-ring	8
13	^	Hydraulic Cylinder - Yaw Left side	1
14	^	Hydraulic Cylinder - Yaw Right side	1
15	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female	2
16	^	Yaw Control Valve Assembly	1
17	GA5049800	SHCS M4 x 40 GR12.9 ZP	2
18	GA5011361	Washer 4mm Flat SS	4
19	GA5049025	Nut M4 Nyloc SS	2

^ See Chapter 18 'Hydraulics' for sub-assembly

## Boom Centre - Flow Dividers & Check Valves



NOTE: Item 11 is cut down to 115 mm.

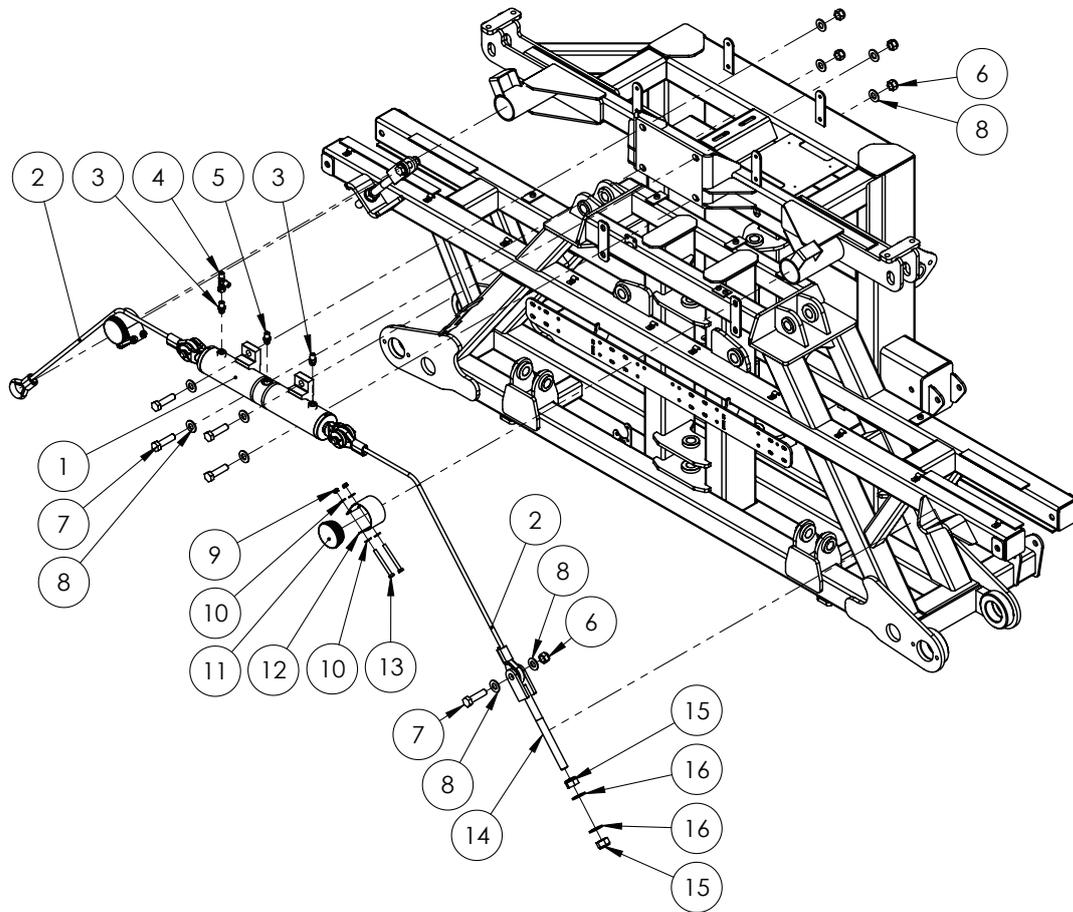
NOTE: Item 3 & 4 are only used bi-fold.

NOTE: Item 7 & 8 are only used on 42m

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	^	Hydraulic yaw pressure reducing valve	1
2	GA5004437	Washer 6mm Flat SS	4
3	^	Double Pilot Operated Check Valve LH	1
4	^	Double Pilot Operated Check Valve RH	1
5	GA5011389	Bolt M6 x 120 GR8.8 ZP - Bi-fold & 42 m boom optioned	2
	GA5004107	Bolt M6 x 70 GR8.8 ZP - Either bi-fold or 42 m boom optioned	2
6	GA5004447	Washer 6mm Spring SS	4
7	^	Double Pilot Check Valve Assembly, 42m Boom Fold, Front Cylinders	1
8	^	Double Pilot Check Valve Assembly, 42m Boom Fold, Rear Cylinders	1
9	GA3500106^	Hydraulic Valve, Flow Divider, 1 - 3 l/min	1
10	GA3500120^	Hydraulic Valve, Flow Divider, 5 - 13 l/min	1
11	GA5051525	SHCS M6 x 130 GR12.9 ZP - Cut down to 115 mm	2
12	GA3500308	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/2" BSPP male	6

^ See Chapter 18 'Hydraulics' for sub-assembly

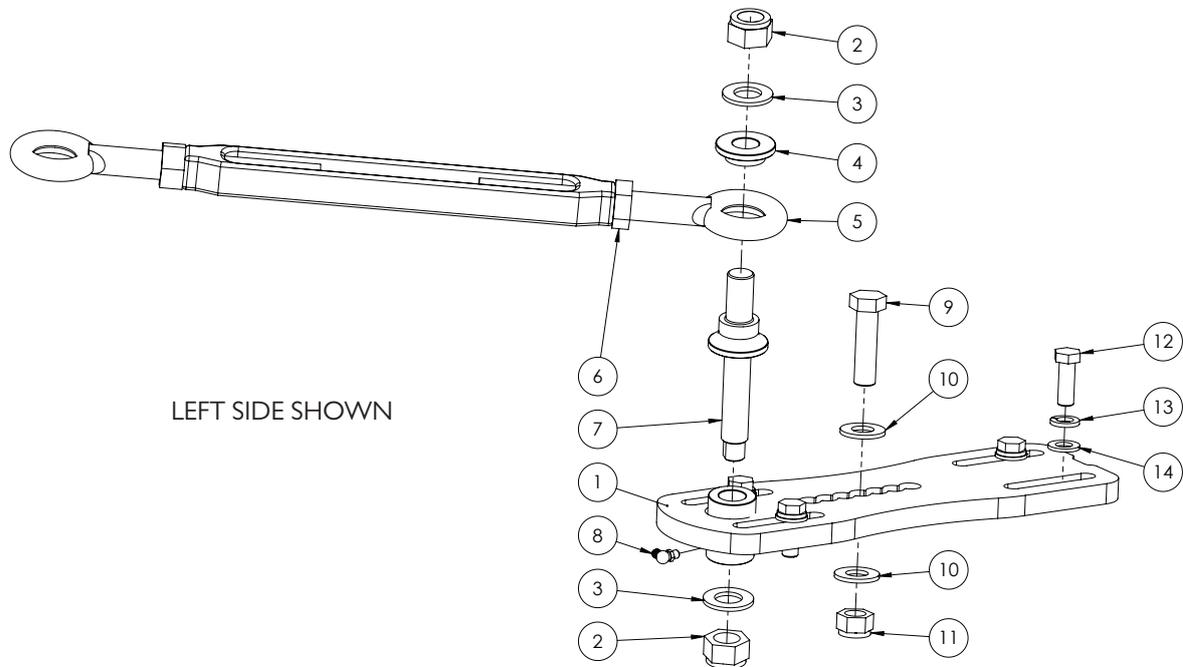
## Boom Centre - Centre Level



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500477^	Hydraulic Cylinder, Bore 2.5", Rod 1", Stroke 110mm, Back to Back	1
2	GA4907856	Cable Assembly, 12mm with Thimbles and Ferrules, Centre Level, 850mm eye to eye	2
3	GA3500358	Hydraulic adaptor, Nipple, 1/4" BSPT male x 9/16" UN male O-ring	2
4	GA3500199	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPP female	1
5	GA3500359	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/4" UN male O-ring	1
6	GA5001029	Nut M16 Nyloc ZP	6
7	GA5000941	Bolt M16 x 60 GR8.8 ZP	6
8	GA5001009	Washer 16mm Flat ZP HD	12
9	GA5052590	Nut M8 Nyloc SS	4
10	GA5003643	Washer 8mm Flat ZP HD	8
11	GA5050355	End cap, 76.1 mm round, suit 65 NB pipe, Black plastic	2
12	GA4506750	Wear Strip SS for Centre Leveling Cables	2
13	GA5022480	Bolt M8 x 100 SS A2-70	4
14	GA5020320	Cable Adjuster, threaded, M20	2
15	GA5048125	Nut M20 Nyloc Coarse ZP	4
16	GA5001741	Washer 20mm Flat SS HD	4

^ See Chapter 18 'Hydraulics' for sub-assembly

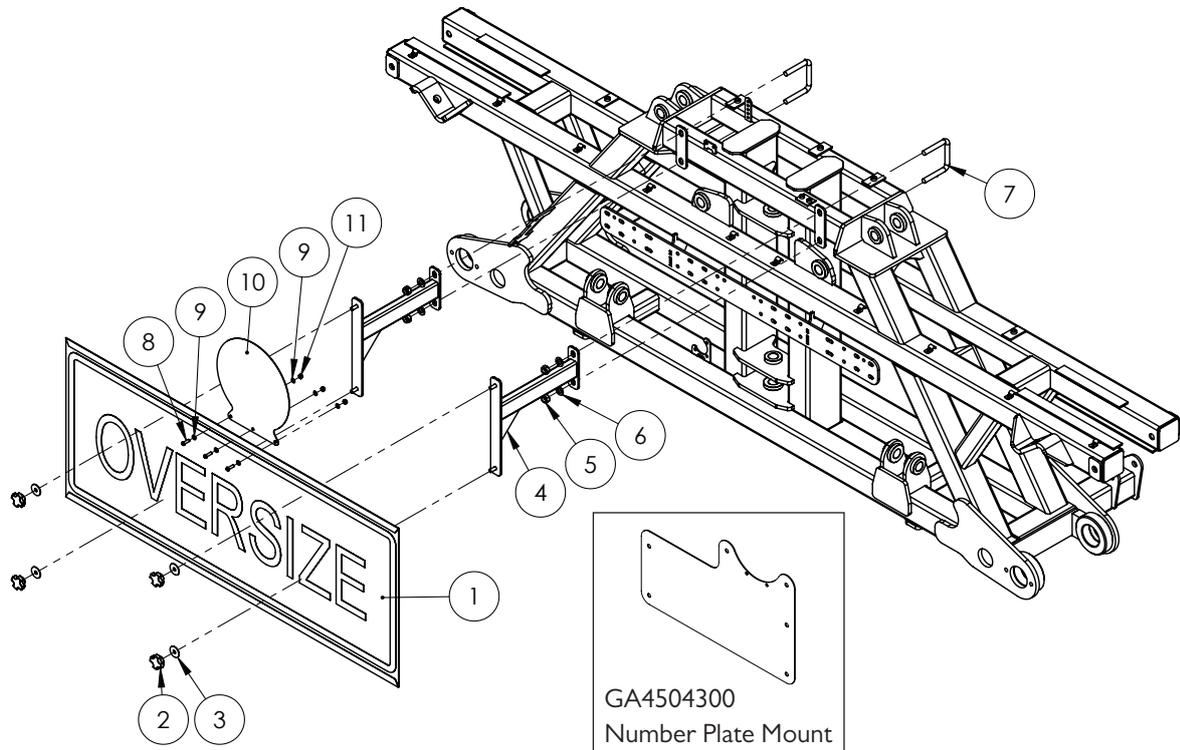
# Cable Mount Rear



# Quantities shown are per side.

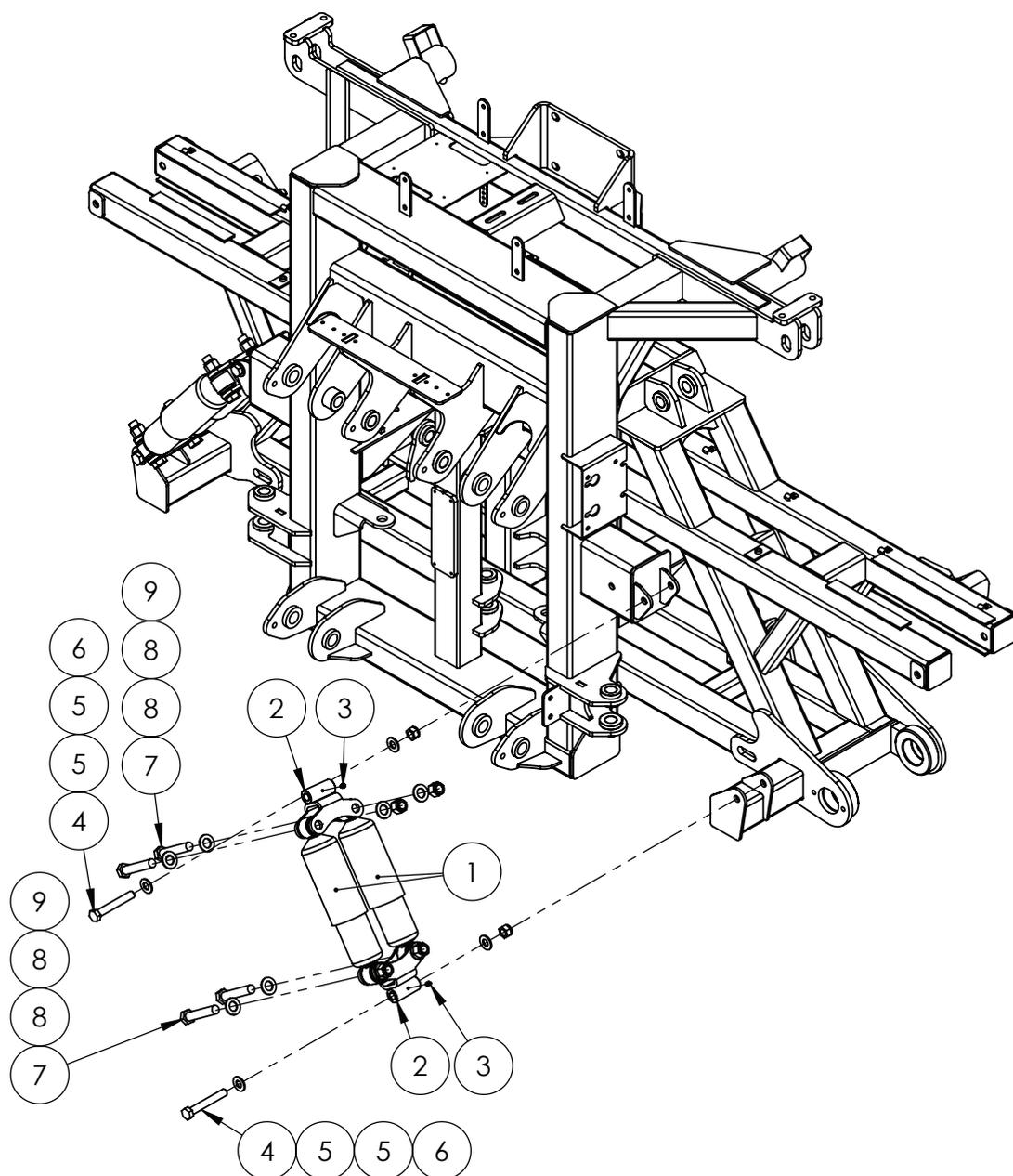
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656256	Boom cable tension adjust flat SP LH	1
	GA4656251	Boom cable tension adjust flat SP RH	
2	GA5048125	Nut M20 Nyloc Coarse ZP	2
3	GA5001741	Washer 20mm Flat SS HD	2
4	GA4572515	Boom cable retainer, Pivot pin	1
5	GA5017061	Turnbuckle, Eye ends, M22 thread & lock nut, Galvanised	1
6	GA5070430	Nut M22 Lock Nut ZP LH Thread	1
7	GA4572510	Pivot pin, Boom cable	1
8	GA5009637	Grease nipple, Elbow, 90 degree, 1/4" UNF male	1
9	GA5000941	Bolt M16 x 60 GR8.8 ZP	1
10	GA5001043	Washer 16mm Flat SS HD	2
11	GA5001029	Nut M16 Nyloc ZP	1
12	GA5000311	Set Screw M12 x 35 GR 8.8 ZP	4
13	GA5000575	Washer 12mm Spring SS	4
14	GA5000577	Washer 12mm Flat SS HD	4

# Oversize Sign Mount



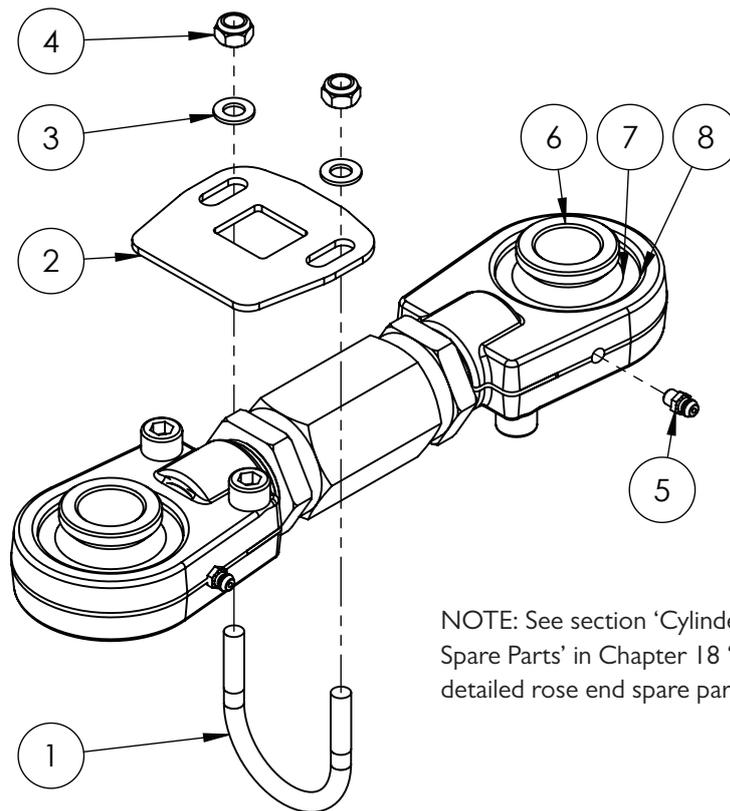
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5009613	Oversize sign, Yellow, Reflective with folded edges	1
2	GA5069875	Knob, Star grip nut M8 x 40 diameter	4
3	GA5003645	Washer 5/16 ID x 1 1/4 OD Flat SS	4
4	GA4658150	Bracket, Oversize sign mount arm, Bolt on	2
5	GA5012461	Nut M12 Nyloc ZP	4
6	GA5000577	Washer 12mm Flat SS HD	4
7	GA5075160	U bolt, Square top M12 x 76 x 80	2
8	GA5004053	BHCS M6 x 20 SS A2-70	3
9	GA5004437	Washer 6mm Flat SS	6
10	F70906A	Plate, Maximum road Speed warning sticker	1
11	GA5004429	Nut M6 Nyloc SS	3

## Double Roll Shocker Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5015139	Shock Absorber, Double eye, 19mm eye, 82mm OD, Black	4
2	GA4659360	Mounting bracket, Dual roll shock absorber	4
3	GA5012203	Grease nipple, Short, 1/4" UNF	4
4	GA5000855	Bolt M16 x 110 GR8.8 ZP	4
5	GA5001009	Washer 16mm Flat ZP HD	8
6	GA5012463	Nut M16 Nyloc SS	4
7	GA5049490	Bolt 3/4" UNC x 4" HT ZP	8
8	GA5001741	Washer 20mm Flat SS HD	16
9	GA5048430	Nut 3/4" UNC Nyloc ZP	8

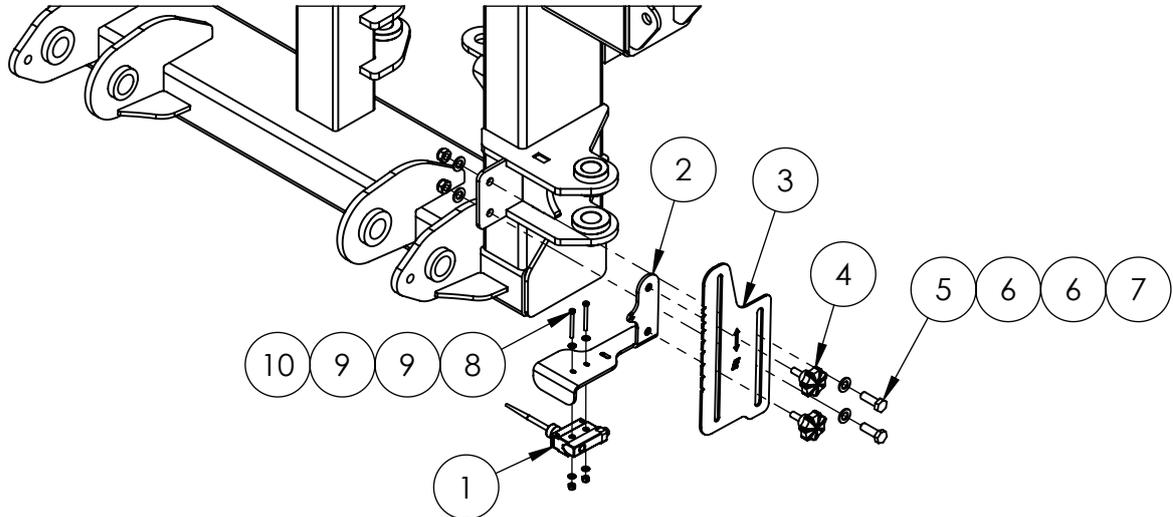
# Delta Link



NOTE: See section 'Cylinder Rose End - Spare Parts' in Chapter 18 'Hydraulics' for detailed rose end spare parts availability.

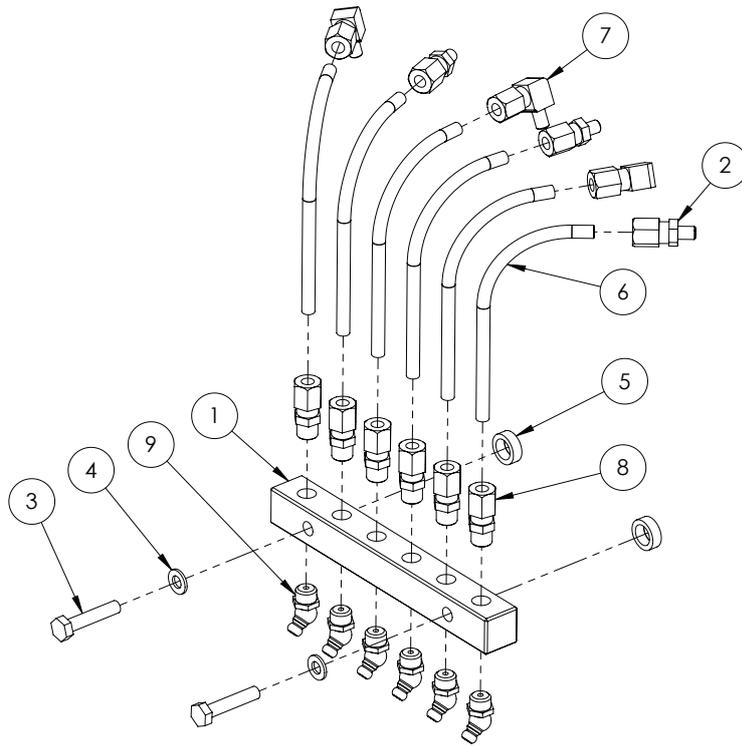
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	DELTA-LINKSA	Delta link, short, heavy duty, adjustable - Locking plate not included	-
1	GA4524140	Locking plate, suit adjustable delta link SS	1
2	GA5018245	U bolt, Round top, M8 x 50 x 60mm	1
3	GA5052590	Nut M8 Nyloc SS	2
4	GA5003643	Washer 8mm Flat SS HD	2
5	GA5012203	Grease nipple, Short, 1/4" UNF	2
6	GA5021925	Small bearing bush, Suit screw on rose end	4
7	GA5067605	Bearing, suit screw on rose end	2
8	GA5067610	Circlip, suit bearing screw on rose end	2

## Lower Limit Switch - Raven

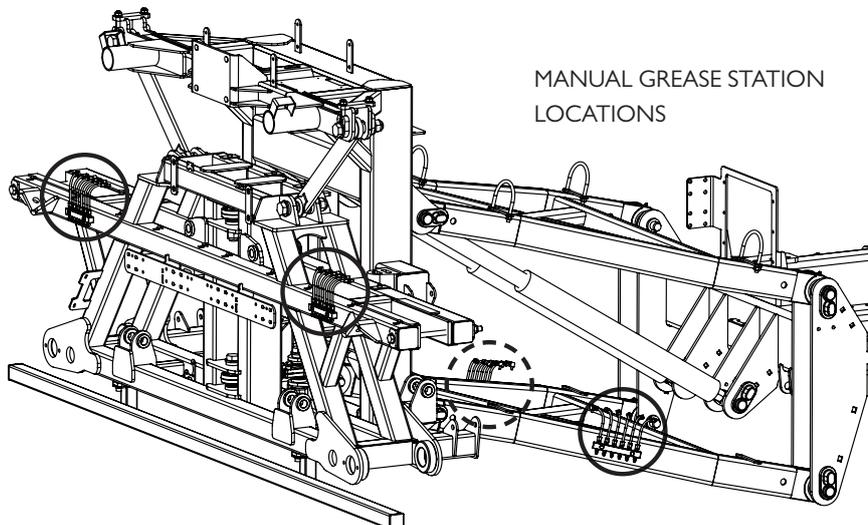


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5012129	Limit switch, Flexible arm, Micro, IP65, 10 Amp	1
2	GA4654161	Bracket mount Paralift Switch	1
3	GA4523965	Boom Height Adjustment Bracket	1
4	GA5067080	Knob Bolt M8 x 20	2
5	GA5065455	Bolt M10 x 30 GR8.8 ZP	2
6	GA5000117	Washer 10mm Flat SS HD	4
7	GA5051445	Nut M10 Nyloc SS	2
8	GA5049800	SHCS M4 x 40 GR12.9 ZP	2
9	GA5011361	Washer 4mm Flat SS	4
10	GA5049025	Nut M4 Nyloc SS	2

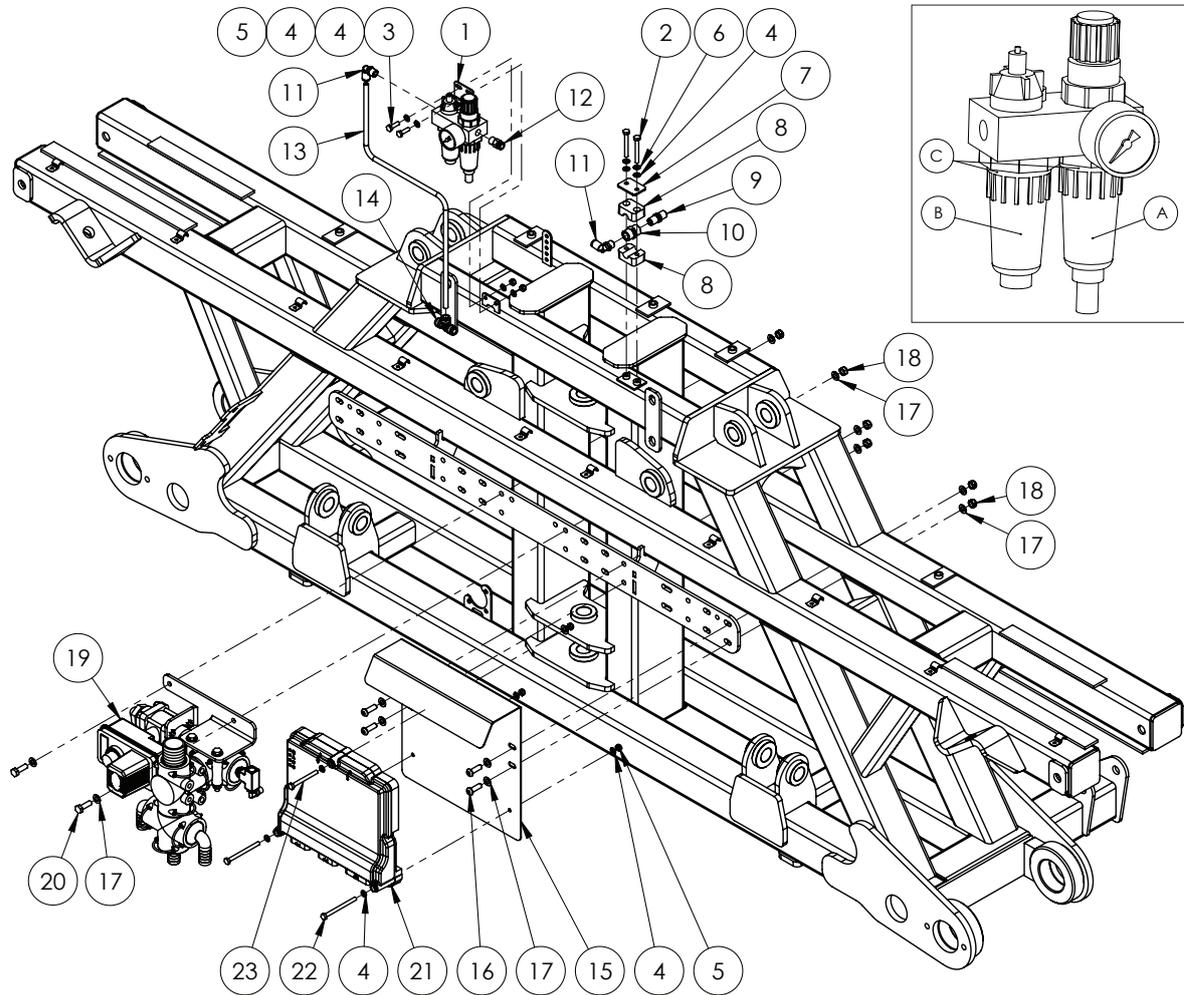
# Manual Grease Station



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070000	Grease Fitting Assembly - Includes GA5069995 & GA5055125	1
2	GA5069985	Grease fitting, Line connector, Straight 6mm	3
3	GA5004079	Set Screw M6 x 30 ZP GR8.8	2
4	GA5004437	Washer 6mm Flat SS	2
5	GA4552080	Crush tube, 10.2 ID x 15 OD x 5mm long	2
6	GA5070005	Grease line 6mm pre filled	6
7	GA5069995	Grease fitting, Elbow 90 degree, Line connector 6mm	3
8	GA5055225	Pneumatic fitting, Straight adaptor, 1/8" BSP male thread x Nut retainer suit 6mm tube	6
9	GA5055125	Grease Nipple 45 degree 1/8" gas thread ZP	6



# RapidFire Components



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
A	GA5054620	Bowl, suit air dryer / oiler GA5068806	1
B	GA5054625	Bowl Lubricator, suit air dryer / oiler GA5068806	1
C	GA5071805	O-Ring Seal, 33x2mm, Suits GA5068806 Pneumatic Air Line Oiler Reservoir	-
1	GA5068806	Pneumatic, air, Mini Filter Oiler and Regulator, 1/4" BSP	1
2	GA5004091	Bolt M6 x 50 GR8.8 ZP	2
3	GA5004065	Bolt M6 x 20 GR8.8 ZP	2
4	GA5004437	Washer 6mm Flat SS	11
5	GA5048115	Nut M6 Nyloc ZP	5
6	GA5004447	Washer 6mm Spring SS	2
7	GA5078068	Mounting clamp, Single type, Plate, Top, Group 2	1
8	GA5078058	Mounting clamp, Single type, Jaw, Pair, Group 3, 14mm	2

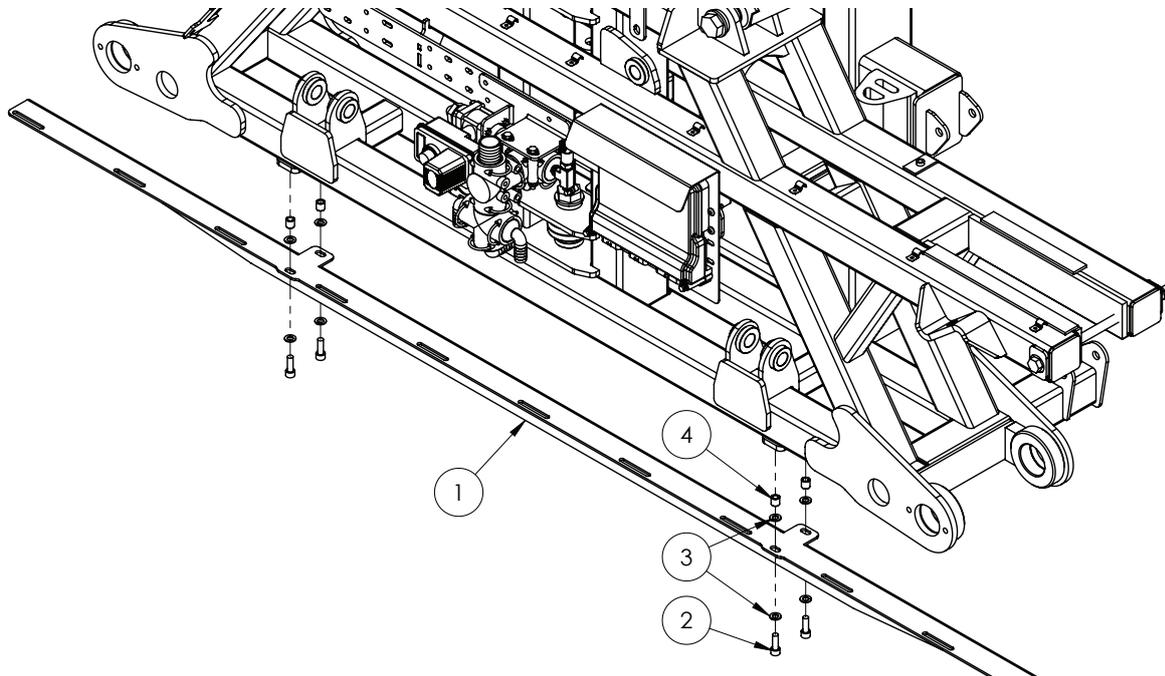
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## RapidFire Components

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
9	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male	1
10	GA3500211	Hydraulic adaptor, Socket, 1/4" BSPT female x 1/4" BSPT female	1
11	GA5052690	Pneumatic fitting, Elbow, 90 degree, 1/4 BSP male x 8mm push type, Metal	2
12	GA5052695	Straight Adaptor, Push in, 8mm x 1/4" BSP	1
13	GA5004382	Tube, Nylon, 8mm, Black	1
14	GA5067010	Equal Tee push in 8mm	1
15	GA4404570	Plate, Mount, RCM Node	1
16	GA5011473	BHCS M8 x 25 SS A2-70	4
17	GA5003643	Washer 8mm Flat SS HD	13
18	GA5052590	Nut M8 Nyloc SS	6
19	*	Flow Distributer & Boom Recirculation Valve Assembly	1
20	GA5004711	Bolt M8 x 25 GR8.8 ZP	2
21	GA3000202	ISO Node, Rate control module, RCM, Goldacres, Raven	1
22	GA5011437	Bolt M6 x 75 ZP GR8.8	2
23	GA5004097	Bolt M6 x 60 GR8.8 ZP	1

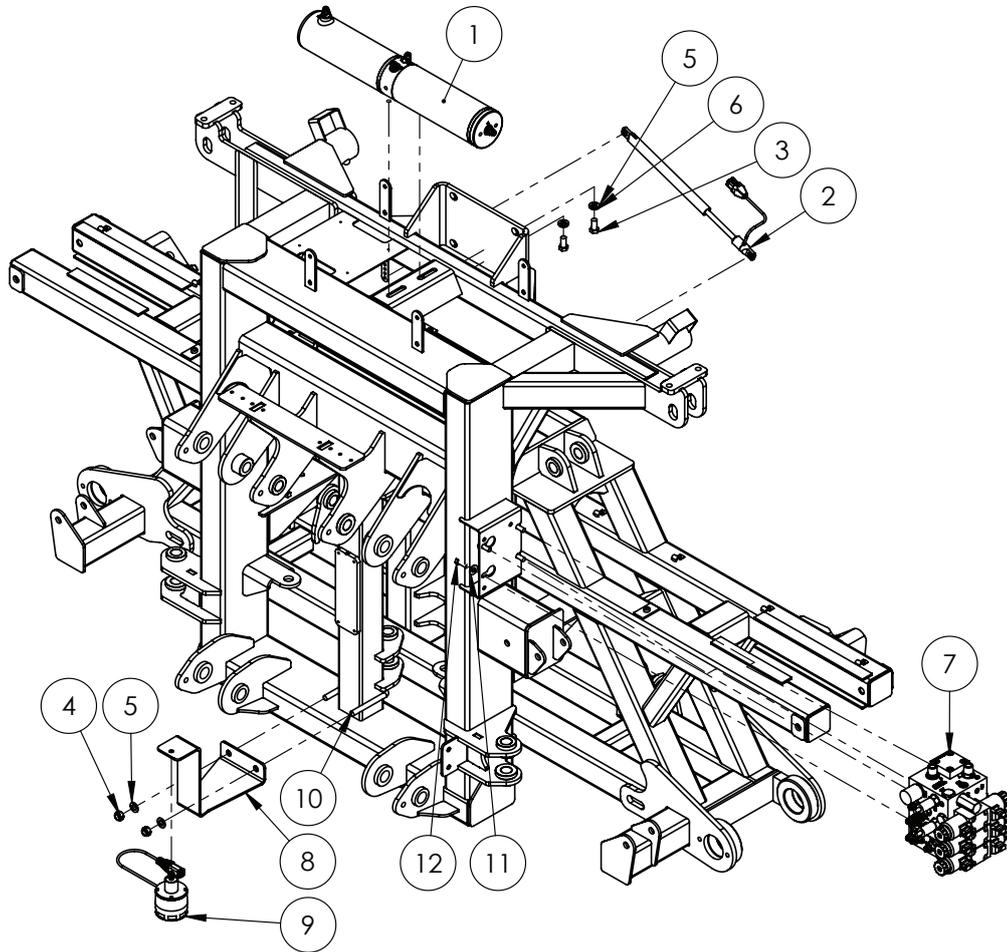
\* See Chapter 19 'Plumbing' for sub-assembly.

## Spray Bar



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4404885	Plate, Spray Bar, Aluminium, Tritech	1
2	GA5006129	SHCS M10 x 30 GR12.9 ZP	4
3	GA5000117	Washer 10mm Flat SS HD	8
4	GA4552075	Crush tube, 10.2 ID x 15 OD x 15 mm long	4

# Norac System



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500136	Hydraulic cylinder, Wing roll with position sensor, Norac	1
	GA3500146	Hydraulic adaptor, Nipple, 9/16" JIC male x 9/16" UN male O-ring	4
2	GA3000127	Sensor, Linear position NF, UC5, Norac	1
3	GA5011229	Bolt M12 x 25 GR8.8 ZP	2
4	GA5012461	Nut M12 Nyloc ZP	2
5	GA5000577	Washer 12mm Flat SS HD	4
6	GA5000575	Washer 12mm Spring SS	2
7	^	Norac Valve Block	1
8	GA4510595	Plate, Mount, Norac Ultrasonic Sensor, Centre Section	1
9	GA3000128	Ultrasonic sensor, UC5, Norac	1
10	GA5011259	U Bolt Square top M12 x 76mm x 110mm	1
11	GA5017623	Washer 3/8 Flat ZP HD	4
12	GA5002601	Bolt 3/8 UNC x 1 GR8 ZP Yellow	4

^ See Chapter 18 'Hydraulics' for sub-assembly.

## Norac Spare Parts List

ITEM NO.	PART NUMBER	DESCRIPTION
1	GA3000110	Console, UC5 Pulse, Display panel, screen, Norac
2	GA3000111	Controller module, UC5 Input pass through, Norac
3	GA3000112	Controller module, UC5 Valve, Norac
4	GA3000113	Controller module, UC5, CAN Bus, Norac
5	GA3000114	Electrical Harness, UC5 Battery feed fused, Norac
6	GA3000115	Electrical Harness, UC5 Main CAN Interface, ISO bus 4 pin DT
7	GA3000116	Electrical Harness, UC5 Network, 1M, 14 AWG, Norac
8	GA3000117	Electrical Harness, UC5 Network, 10M, 14 AWG, Norac
9	GA3000118	Electrical Harness, UC5 Network, 10M, 18 AWG, Norac
10	GA3000119	Electrical Harness, UC5 Network, 20M, 18 AWG, Norac
11	GA3000120	Electrical Harness, UC5 Valve 2 pin DT, Norac
12	GA3000121	Electrical Harness, UC5, Main Interface Goldacres, Norac
13	GA3000122	Electrical Harness, UC5, Tilt Interface Goldacres, Norac
14	GA3000123	Network Coupler, UC5, 2 way, Black, Norac
15	GA3000124	Network Coupler, UC5, 2 way, white, terminator, Norac
16	GA3000125	Network Coupler, UC5, 3 way, Norac
17	GA3000126	Network Coupler, UC5, 8 way, Norac
18	GA3000127	Sensor, Linear position NF, UC5, Norac
19	GA3000128	Ultrasonic sensor, UC5, Norac
20	GA3000129	Connector, Plug, UC5 Network, 6 Pin, Norac
21	GA3000130	Connector, Plug, UC5 Network, 2 Pin, Norac
22	GA3000131	Connector, Plug, UC5 Network, 12 Pin, Norac
23	GA3500136	Hydraulic cylinder, Wing roll with position sensor, Norac
24	GA3500137	Hydraulic fitting kit, 12 parts, GNI, Norac
25	GA3500138	Valve block, 2 station assembly, Open centre LS Proportional, DT 4 Bolt
26	GA3500139	Valve block, expansion assembly, DPOC PROP DT 4 bolt, Norac
27	GA8700392	Manual, Installation UC5 AND UC4.5 Severe terrain option, Norac
28	GA8700393	Manual, Installation, UC5 Goldacres active wing roll upgrade Norac
29	GA8700394	Manual, installation, UC5 Goldacres active wing roll, Norac
30	GA8700395	Manual, installation, UC5 Goldacres passive roll, Norac
31	GA8700396	Manual, UC5 operators, Norac
32	GA8700397	Manual, UC5 Pulse display kit Self Propelled, Norac
33	GA5075480	Bracket, Linear position sensor mount, Norac
34	GA5075485	Mounting bracket, main lift sensor UC4 Plus, Norac
35	GA5075490	Mounting bracket, suit ultra sonic sensor, low profile, Norac
36	GA5075495	Spacer, 2" square tubing 8" long, Black, Norac
37	GA4510595	Plate, Mount, Norac Ultrasonic Sensor, Centre Section
38	GA5011259	U Bolt Square top M12 x 76mm x 110mm
39	GA3500363	Hydraulic adapter, Nipple, 1/2" BSPT male x 3/4" UN male O-ring
40	GA3500146	Hydraulic adaptor, Nipple, 9/16" JIC male x 9/16" UN male O-ring

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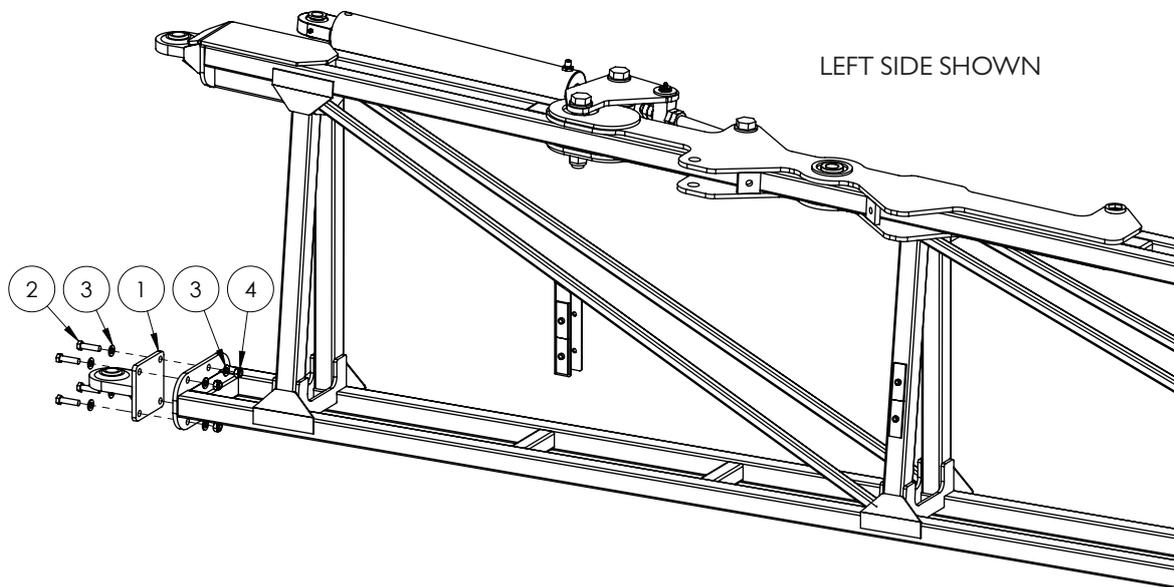
## Norac Spare Parts List

ITEM NO.	PART NUMBER	DESCRIPTION
41	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel
42	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male
43	GA3500147	Hydraulic adaptor, Nipple, 9/16" JIC male x 3/4" UN male O-ring
44	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel

# Chapter 14

## BOOM WING

### Boom Pivots - 30-36m

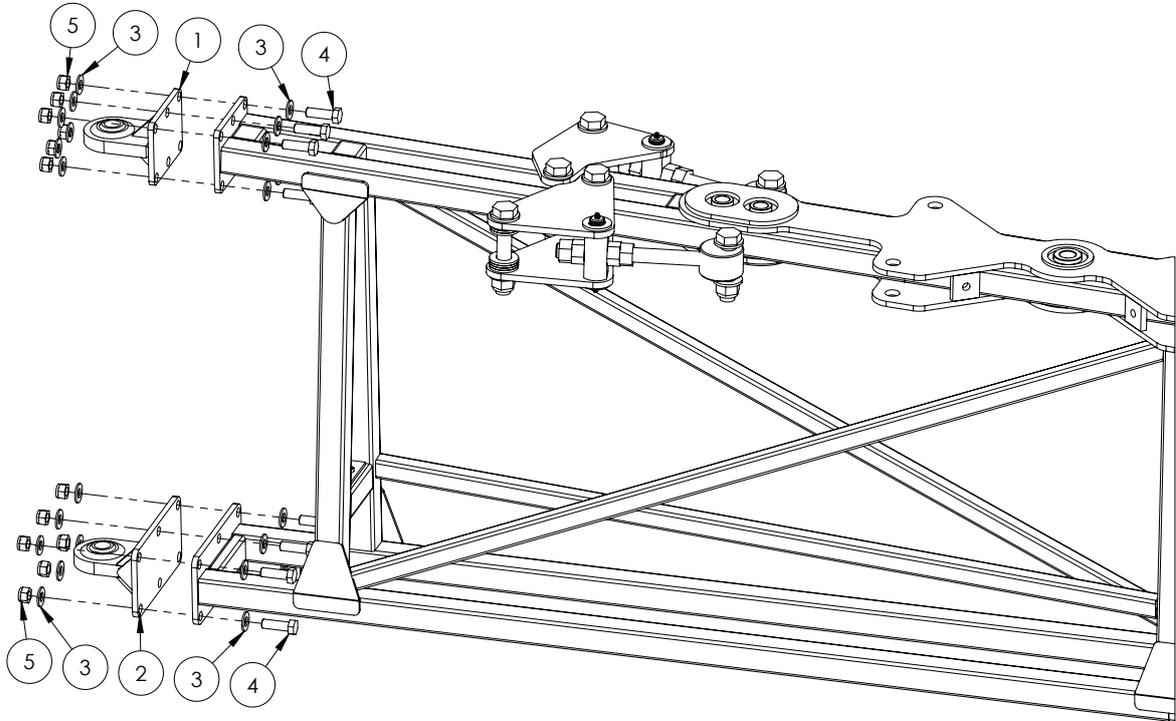


# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4535285*	Shim, 1mm, Lower rose end	-
-	GA4535355*	Shim, 3mm, Lower rose end	-
-	GA4535360*	Shim, 5mm, Lower rose end	-
1	GA4656200	Rose end, Bolt on, RH, Suit 24 - 36m boom	1
	GA4656201	Rose end, Bolt on, LH, Suit 24 - 36m boom	1
2	GA5000327	Set Screw M12 x 45 GR8.8 ZP	4
3	GA5000577	Washer 12mm Flat SS HD	8
4	GA5012461	Nut M12 Nyloc ZP	4

\* NOTE: Quantity will vary depending on adjustments needed.

# Boom Pivots - 42m

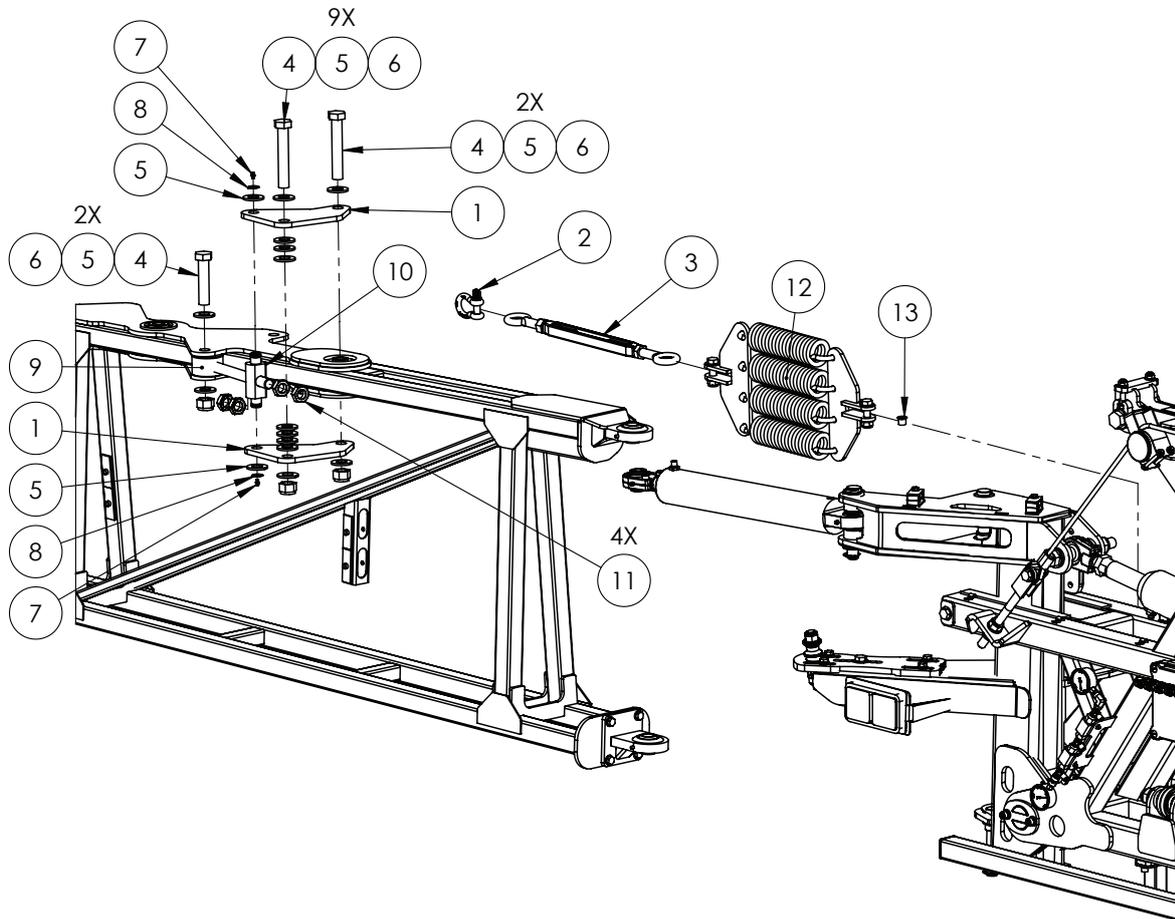


# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4537795*	Shim lower rose end, 1mm, 42m Boom	-
1	GA4659215	Top Rose End Large	1
2	GA4659220	Bottom Rose End Large	1
3	GA5001043	Washer 16mm Flat SS HD	24
4	GA5000931	Bolt M16 x 50 ZP GR8.8	12
5	GA5001029	Nut M16 Nyloc ZP	12

\* NOTE: Quantity will vary depending on adjustments needed.

# Boom Fold Adjuster - 30-36m

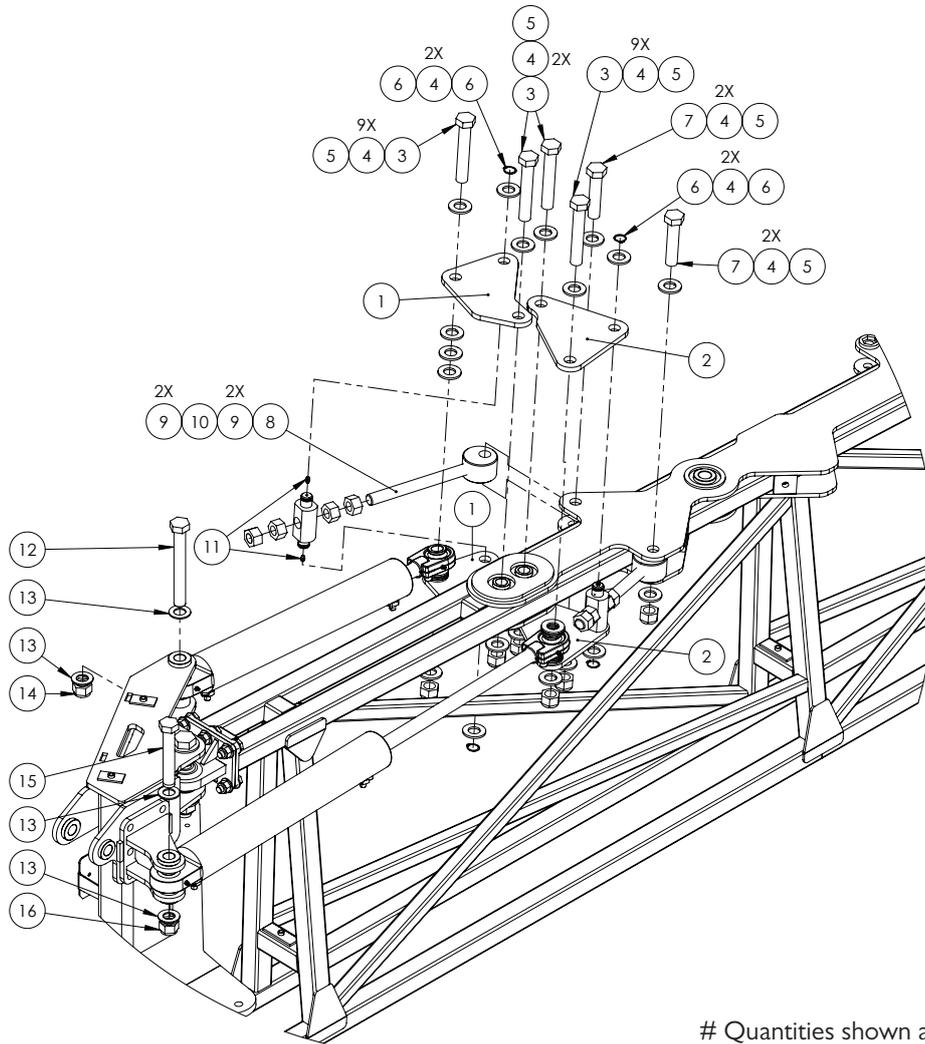


# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4506970	Fold Adjuster Plate, Rear, 42m Dual Fold Cylinder	4
2	GA5075230	Bow Shackle 13mm WLL 3.25T Black	1
3	GA5017061	Turnbuckle, Eye ends, M22 thread & lock nut, Galvanised	1
4	GA5006039	Bolt, 1" UNF, 14 TPI x 4 1/2", GR8 ZP	6
5	GA5017681	Washer 1" x 2" 7g Flat Thin SS	23
6	GA5012446	Nut 1" UNF 12 TPI Nyloc ZP	6
7	GA5012203	Grease nipple, Short, 1/4" UNF	4
8	GA5008519	Circlip, External, 25mm	4
9	GA5070775	Boom fold adjuster eyelet bolt, HD	2
10	24MK4DB006	Bush / pin, Fold ram adjuster nut and bolt retainer	2
11	GA0500048	Lock Nut, 1" UNF 12 TPI, ZP	8
12	*	Boom Cable Springs	1
13	GA5075220	Glacier bush flanged 16mm suit boom cable pivot	1

\* Sub-assembly on following pages

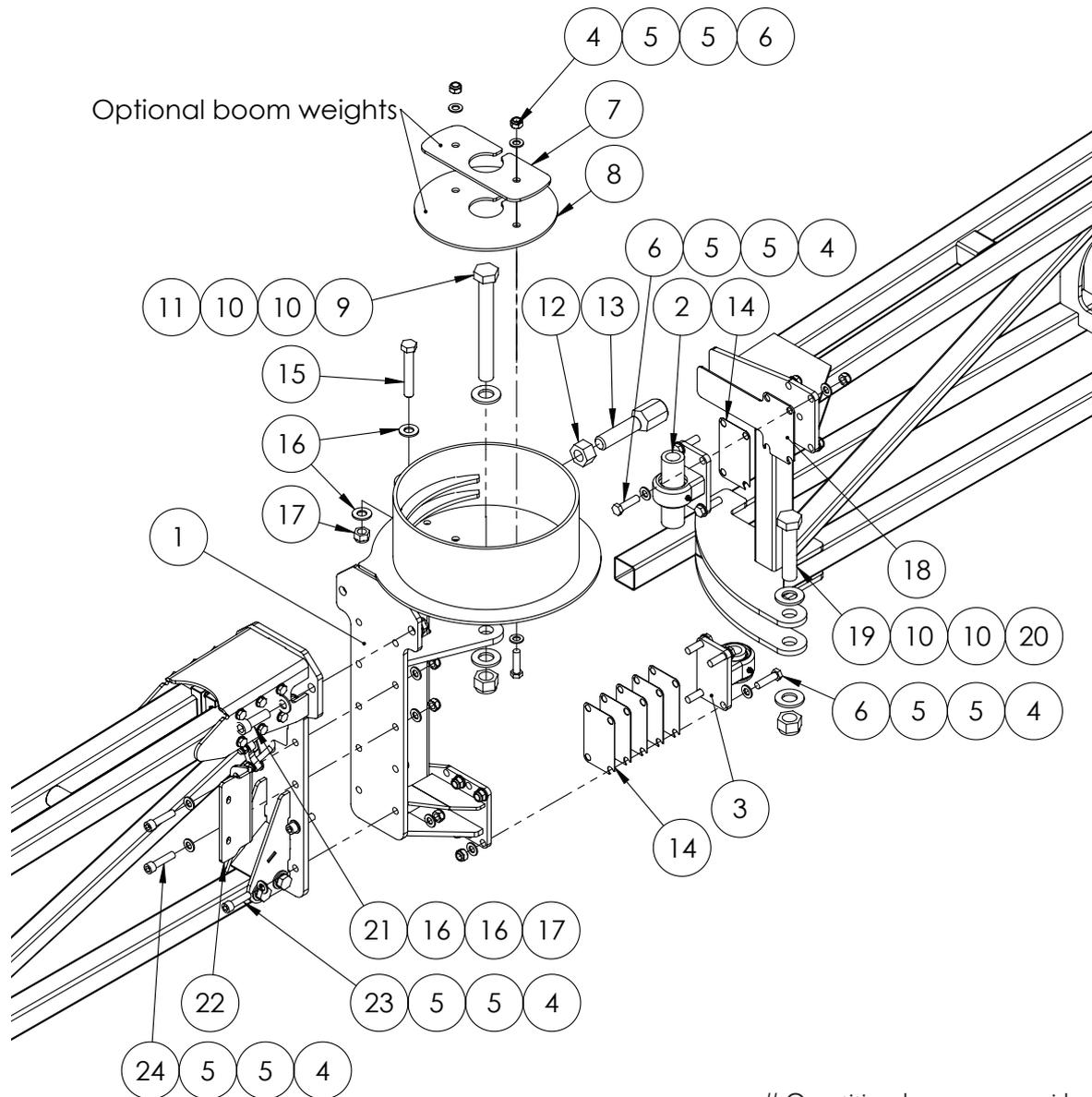
# Boom Fold Adjuster - 42m



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4506970	Fold Adjuster Plate, Rear, 42m Dual Fold Cylinder	2
2	GA4506965	Fold Adjuster Plate, Front, 42m Dual Fold Cylinder	2
3	GA5006043	Bolt 1 UNF 14 TPI x 6 GR8 ZP	4
4	GA5017681	Washer 1" x 2" 7g Flat Thin SS	30
5	GA5012445	Nut 1" UNF 14 TPI Nyloc ZP	6
6	GA5008519	Circlip, External, 25mm	4
7	GA5006039	Bolt, 1" UNF, 14 TPI x 4 1/2", GR8 ZP	2
8	GA5070775	Boom fold adjuster eyelet bolt, HD	2
9	GA5010991	Nut, 1" UNF, 12 TPI, ZP	8
10	24MK4DB006	Bush / pin, Fold ram adjuster nut and bolt retainer	2
11	GA5012203	Grease nipple, Short, 1/4" UNF	4
12	GA5006151	Bolt 1 UNF 12 TPI x 8 GR8 ZP	1
13	GA5001893	Washer 1" x 1 7/8" x 14g	4
14	GA0500036	Nut, 1", UNF, 12 TPI, Conelock ZP	1
15	GA4683145	Bolt 1" UNC x 6" cut down from 7"	1
16	GA5012439	1" Nyloc Nut UNC ZP	1

# Cable Drum - 30-36m



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659580	Cable drum, Boom hinge, Right side, TriTech	1
	GA4659585	Cable drum, Boom hinge, Left side, TriTech	1
	GA4659600	Boom drum hinge OFFSET 24+ RH	1
	GA4659605	Boom drum hinge OFFSET 24+ LH	1
2	*	Upper Pivot Assembly	1
3	*	Lower Pivot Assembly	1
4	GA5012461	Nut M12 Nyloc ZP	20
5	GA5000577	Washer 12mm Flat SS HD	40
6	GA5000327	Set Screw M12 x 45 ZP GR8.8	10
7	GA4504535	Boom weight, Cable drum disc, 0.806 kg	1
8	GA4504530	Boom weight, Cable drum disc, 1.792 kg	1

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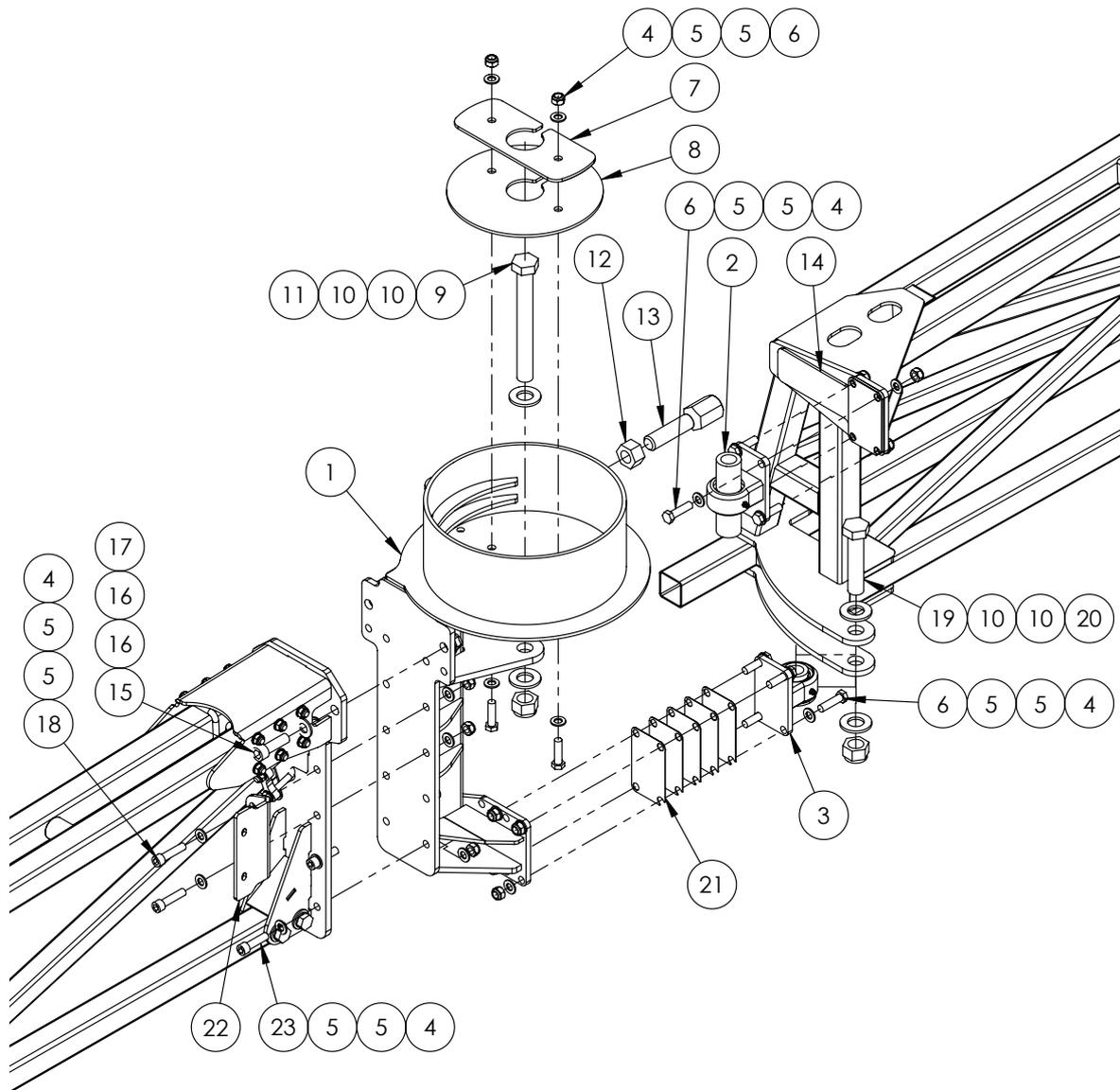
## Cable Drum - 30-36m

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
9	GA0500025	Bolt 1" UNF 12 TPI x 8 1/2" GR8 ZP	1
10	GA5017681	Washer 1" x 2" 7g Flat Thin SS	4
11	GA0500036	Nut, 1", UNF, 12 TPI, Conelock ZP	1
12	GA5010991	Nut, 1" UNF, 12 TPI, ZP	1
13	GA4572495	Bolt 1" UNF 12 TPI Boom drum stopper	1
14	DB-ADJ-16LAS	Shim, cable drum pivot, SS, 1mm	6
15	GA5011269	Bolt M16 x 100 GR8.8 ZP	1
16	GA5001043	Washer 16mm Flat SS HD	6
17	GA5001029	Nut M16 Nyloc ZP	3
18	GA4524690	Wear plate Upper boom top SS	1
19	GA5006039	Bolt, 1" UNF, 14 TPI x 4 1/2", GR8 ZP	1
20	GA5012445	Nut 1" UNF 14 TPI Nyloc ZP	1
21	GA5000935	SHCS M16 x 50 GR12.9 ZP	2
22	GA4522725	Boom hose holder plate outer	1
23	GA5000325	SHCS M12 x 45 GR12.9 ZP	8
24	GA5051470	SHCS M12 x 50 GR12.9 ZP	2

\* Sub-assembly on following pages

# Quantities shown are per side.

# Cable Drum - 42m



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659275	Cable Drums to suit 42m+ Left Hand	1
	GA4659270	Cable Drums to suit 42m+ Right Hand	1
2	*	Upper Pivot Assembly	1
3	*	Lower Pivot Assembly	1
4	GA5012461	Nut M12 Nyloc ZP	20
5	GA5000577	Washer 12mm Flat SS HD	40
6	GA5000327	Set Screw M12 x 45 ZP GR8.8	10
7	GA4504535	Boom weight, Cable drum disc, 0.806 kg	1
8	GA4504530	Boom weight, Cable drum disc, 1.792 kg	1
9	GA0500025	Bolt, 1" UNF, 12 TPI x 8 1/2", GR8 ZP	1

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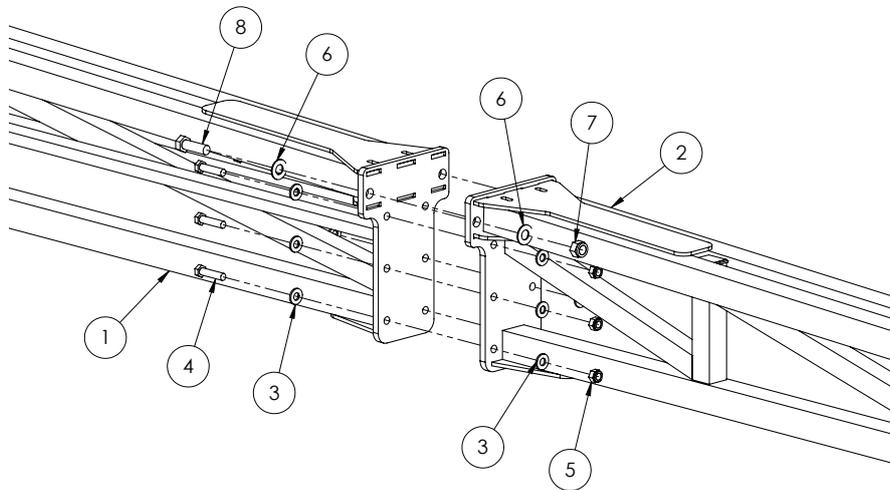
## Cable Drum - 42m

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
10	GA5017681	Washer 1" x 2" 7g Flat Thin SS	4
11	GA5012446	Nut, 1", UNF, 12 TPI, Conelock ZP	1
12	GA5010991	Nut, 1", UNF, 12 TPI, ZP	1
13	GA4572495	Bolt, 1", UNF, 12 TPI, Boom drum stopper	1
14	GA4524690	Wear plate Upper boom top	1
15	GA5000935	SHCS M16 x 50 GR12.9 ZP	2
16	GA5001043	Washer 16mm Flat SS HD	4
17	GA5001029	Nut M16 Nyloc ZP	2
18	GA0500052	SHCS, M12 x 50, Gr10.9, ZP	2
19	GA5006039	Bolt 1" UNF 14 TPI x 4 1/2 GR8 ZP	1
20	GA5012445	Nut 1" UNF 14 TPI Nyloc ZP	1
21	DB-ADJ-16LAS	Shim, cable drum pivot, SS, 1mm	6
22	GA4522725	Boom hose mount plate outer	1
23	GA5000325	SHCS M12 x 45 GR12.9 ZP	8

\* Sub-assembly on following pages

# Quantities shown are per side.

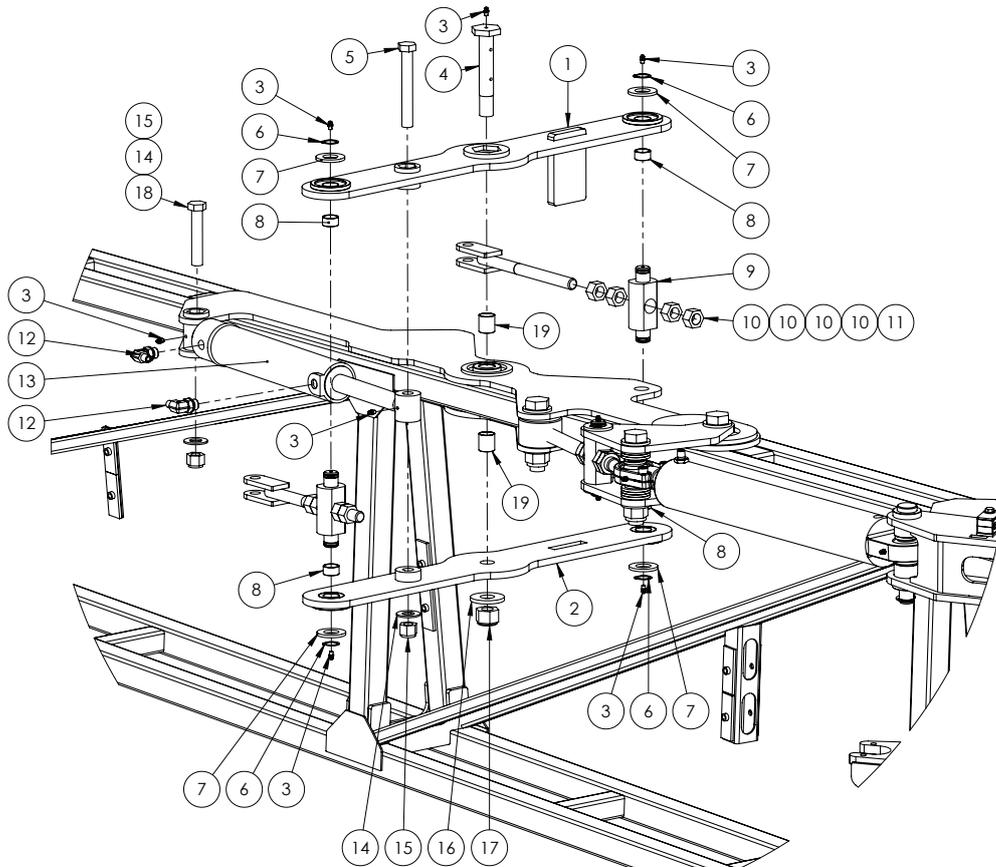
## Mid Wing - 42m



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4907220	Outer Wing Inner Section 42m	1
2	GA4659287	Outer Wing Outer Section 42m	1
3	GA5000577	Washer 12mm Flat SS HD	12
4	GA5011239	Bolt, M12 x 50, ZP GR 8.8	6
5	GA5012461	Nut M12 Nyloc ZP	6
6	GA5001043	Washer 16mm Flat SS HD	4
7	GA5001029	Nut M16 Nyloc ZP	2
8	GA5000931	Bolt M16 x 50 ZP GR8.8	2

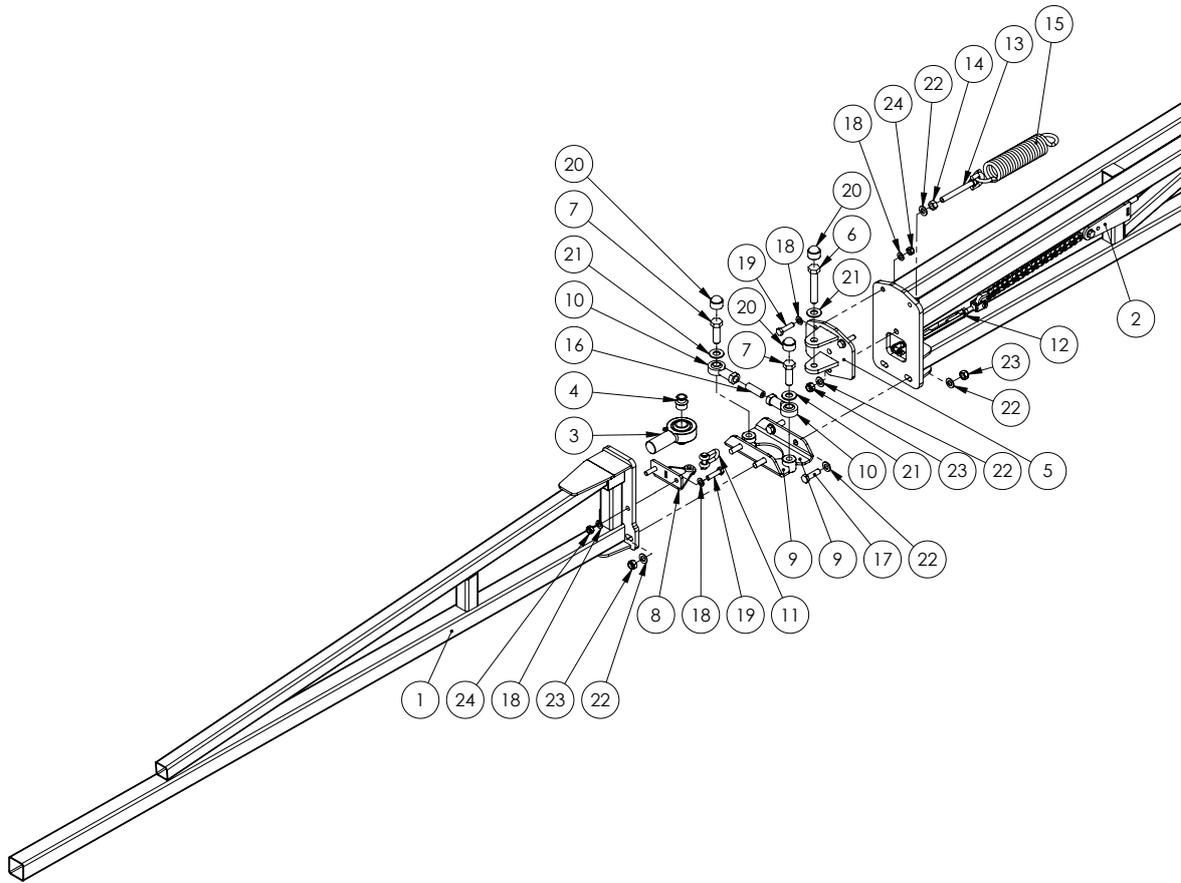
# Bi-Fold - 30-42m



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659725	Boom Bi-fold Top Bracket	2
2	GA4659730	Boom Bi-fold Bottom Bracket	2
3	GA5012203	Grease nipple, Short, 1/4" UNF	14
4	2SF-007	Pivot pin	2
5	GA5070335	Bolt 3/4" UNC x 5 1/2" GR8, zinc HT	2
6	GA5008519	Circlip, External, 25mm	8
7	GA5017681	Washer 1" x 2" 7g Flat Thin SS	8
8	GA5009463	Glacier Bush, ID 25 x 15 mm long	8
9	24MK4DB006	Bush / pin, Fold ram adjuster nut and bolt retainer	4
10	GA5001709	Nut M20 Coarse ZP	16
11	GA5020320	Cable Adjuster, threaded, M20	4
12	GA3500348	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 3/4" UN male O-ring	4
13	GA5070845	Hydraulic Cylinder, Bore 2.5", Rod 1.25", Stroke 293mm	2
14	GA5001045	Washer 3/4" Flat ZP	4
15	GA5048430	Nut 3/4" UNC Nyloc ZP	4
16	2SF-003LAS	2nd Stage fold pivot washer 6mm FMS 60 OD 25.3mm ID	2
17	GA5012469	Nut M24 Nyloc ZP	2
18	GA5049490	Bolt 3/4" UNC x 4" ZP GR8	2
19	GA5009467	Glacier Bush ID 25 x 30 mm long	4

^ See Chapter 18 'Hydraulics' for sub-assembly

# 3D Breakaway 2.0



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656123	Alum Breakaway 2m, Suit 3D breakaway 2.0	1
2	*	Breakaway Mechanism	1
3	GA5070530	Rose End 1" x 1 1/4" male UNF thread	1
4	GA4552225	Spacer bush, Rose end, Suit breakaway 3D 2.0	2
5	GA4656131	Rose End Clevis, Breakaway	1
6	GA5011297	Bolt M16 x 90 GR8.8 ZP	1
7	GA5000931	Bolt M16 x 50 GR8.8 ZP	2
8	GA4659810	Breakaway Hinge Bracket	1
9	GA4659336	Lower Pivot Bracket	2
10	GA5014469	Rod end, Ball 16 mm ID, M16 female thread	2
11	GA5071060	Utility Clevis 10 mm	1
12	GA5070505	Turnbuckle / rigging screw, 10mm, SS, Clevis ends	1
13	GA5075150	Eye Bolt 12mm x 100mm Short	1
14	GA5000559	Nut M12 Hex ZP	1
15	GA5016605	Spring, tension, 51.5 OD x 260 Long x 8mm, Breakaway	1
16	GA5071105	Grub Screw M16 x 50	1
17	GA5000319	Set Screw M12 x 40 GR8.8 ZP	4
18	GA5000117	Washer 10mm Flat SS HD	8

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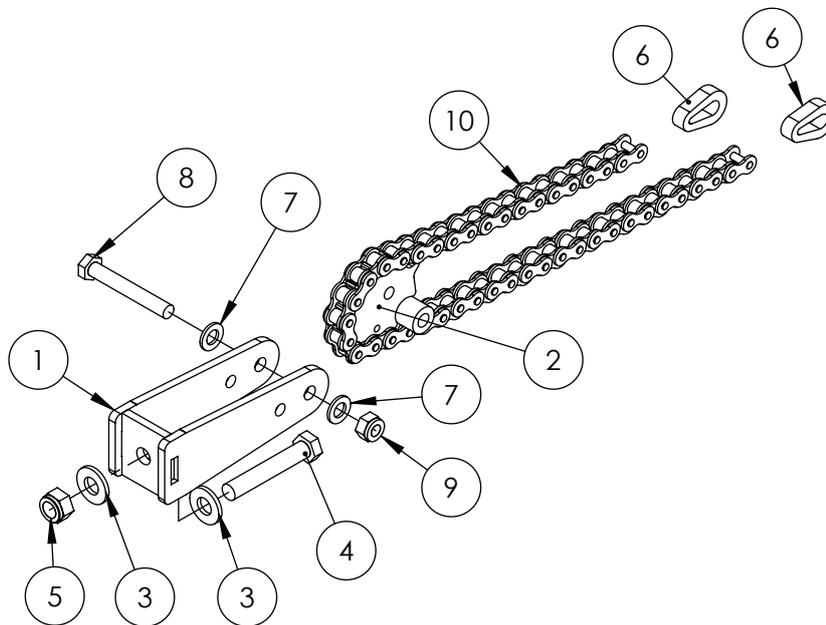
## 3D Breakaway 2.0

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
19	GA5011161	Set Screw M10 x 40 GR8.8 ZP	4
20	GA5075080	End cap, Plastic, Black, Cover, Hex. Dome, M16	3
21	GA5001043	Washer 16mm Flat SS HD	3
22	GA5000577	Washer 12mm Flat SS HD	10
23	GA5012461	Nut M12 Nyloc ZP	5
24	GA5000141	Nut M10 Nyloc ZP	4

\* Sub-assembly on following pages

# Quantities shown are per side.

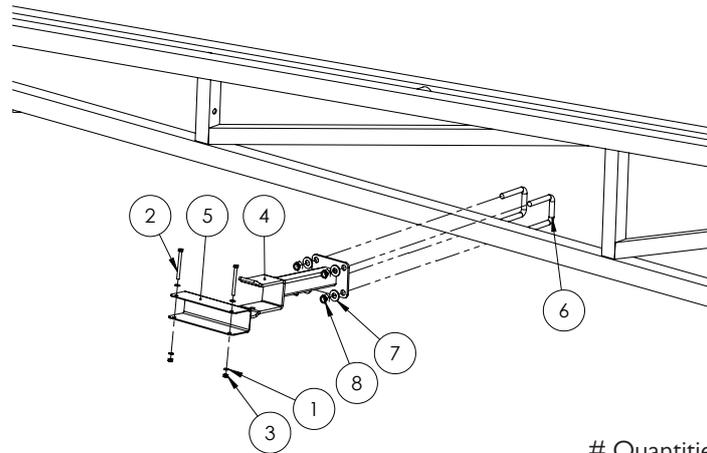
## 3D Breakaway 2.0 - Mechanism



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659805	Breakaway Mount	1
2	GA4659800	Breakaway Centre Pivot Fab Assembly	1
3	GA5000577	Washer 12mm Flat SS HD	2
4	GA5000347	Bolt M12 x 70 ZP GR8.8	1
5	GA5012461	Nut M12 Nyloc ZP	1
6	GA4505695	Link Plate Chain End, suit breakaway	2
7	GA5000117	Washer 10mm Flat SS HD	2
8	GA5011163	Bolt M10 x 70 ZP GR8.8	1
9	GA5000141	Nut M10 Nyloc ZP	1
10	GA5068985	Chain, 5/8", 41 Pitch Breakaway Hinge, inc 2 Joining Links, 43 rollers total	1

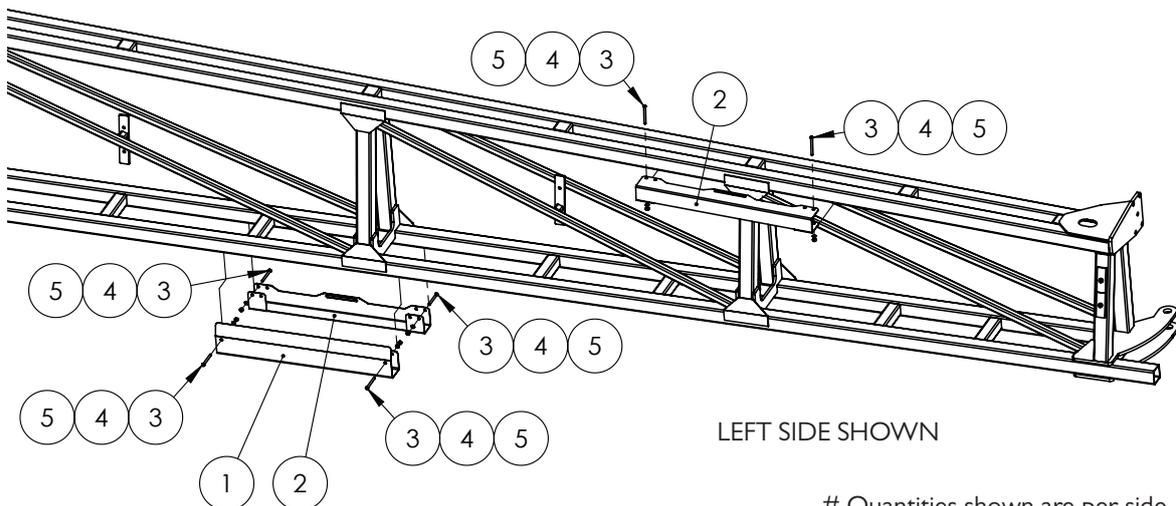
## Boom Protector Assembly - Outer



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5004437	Washer 6mm Flat SS	4
2	GA5004107	Bolt M6 x 70 ZP GR8.8	2
3	GA5048115	Nut M6 Nyloc ZP	2
4	GA4656277	Support bracket, Folded wing, Tri Tech	1
	GA4600360	Support bracket, Folded wing, Tri Tech, suit Trijet clock face nozzles	1
5	F70294A	Boom wing protector, Suit 50 x 50 x 200mm long (2mm SS)	1
6	GA5011251	U bolt, Square top, M12 x 52mm x 80mm	2
7	GA5000577	Washer 12mm Flat SS HD	4
8	GA5012461	Nut M12 Nyloc ZP	4

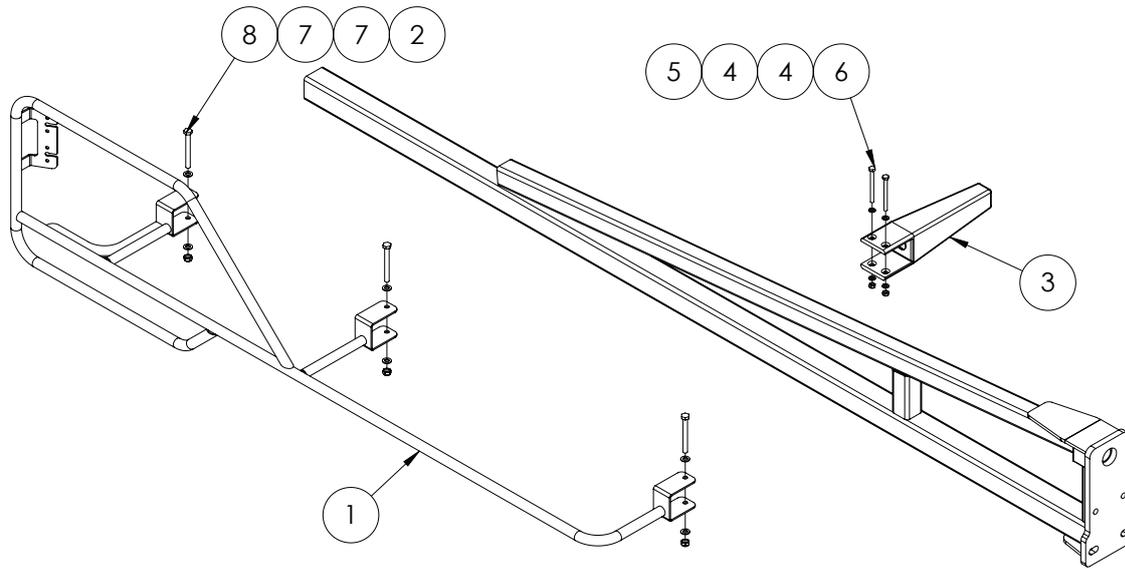
## Boom Protector Assembly - Inner



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4402215	Boom Protector SS Fits Over Gusset	1
2	GA4505005	Boom Slide Protector SS with cutout	2
3	GA0500067	BHCS M6 x 65 GR12.9 ZP	6
4	GA5004437	Washer 6mm Flat SS	12
5	GA5048115	Nut M6 Nyloc ZP	6

## Fence Line End Protector - Quick Fit



# Quantities shown are per side.

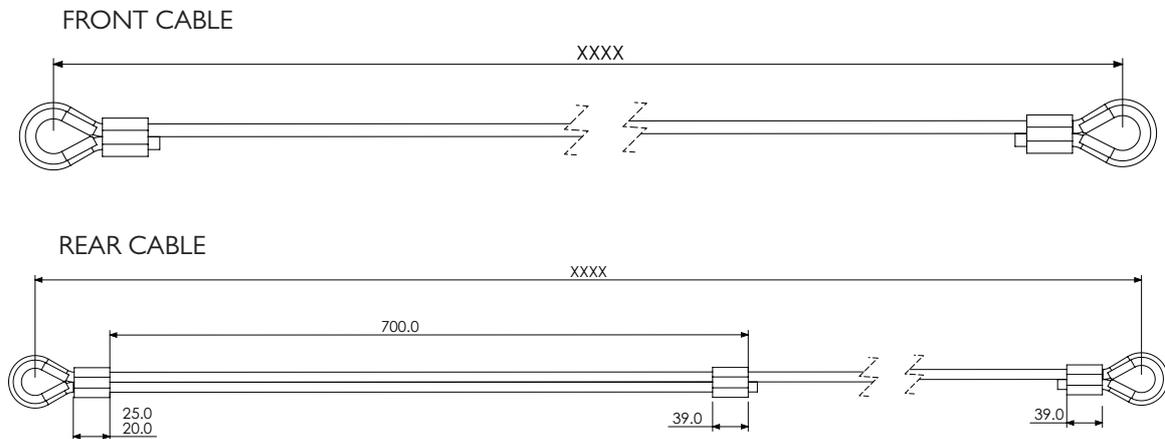
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656316	Boom End Protector easy fit, Right Hand	1
	GA4656317	Boom End Protector easy fit, Left Hand	
2	GA5004917	Nut M8 Nyloc ZP	3
3	GA5006226	Boom stopper, Rubber, 210mm bumper, Suits 50 x 50mm RHS	1
4	GA5004437	Washer 6mm Flat SS	4
5	GA5048115	Nut M6 Nyloc ZP	2
6	GA5004107	Bolt M6 x 70 ZP GR8.8	2
7	GA5003643	Washer 8mm Flat SS HD	6
8	GA5052600	Bolt M8 x 75 SS	3

## Boom Cables - 24-36m

### INDIVIDUAL PART FORM - SPECIFIC FITMENT 30-36M

PART NUMBER	DESCRIPTION	QTY.
	Cable, 10mm, Solid core, Heavy duty, Galvanised	See below.
	30-36m - Front - Cable cut length (Eye to eye length 6610mm)	7200mm
GA5000073	30-36m - Rear - Cable cut length (Eye to eye length 7230mm)	8530mm
	30-36m - Bi-fold Front - Cable cut length (Eye to eye length 6220mm)	6830mm
	30-36m - Bi-fold Rear - Cable cut length (Eye to eye length 6230mm)	7530mm
GA5000215	Thimble, Cable, suit 11 - 12mm	4
GA5005391	Ferrule, Aluminium, 40 long x 4.5 wall, Code 11	4
GA5001965	Heat Shrink 25.4mm Black x 120mm long	8

NOTE: Cable cut lengths are longer than eye to eye measurement.



### PRE-MADE FORM - SPECIFIC FITMENT 24-36M

PART NUMBER	DESCRIPTION	QTY.
GA4932680	Cable Front, Boom Bi-fold, TriTech 24-36m	2
GA4933640	Cable Front, Boom, TriTech 24 - 36m	2
GA4932685	Cable Rear, Boom Bi-fold, TriTech 24-36m	2
GA4933645	Cable Rear, Boom, TriTech 24	2

### SALES KIT FORM - UNIVERSAL FITMENT 24-36M

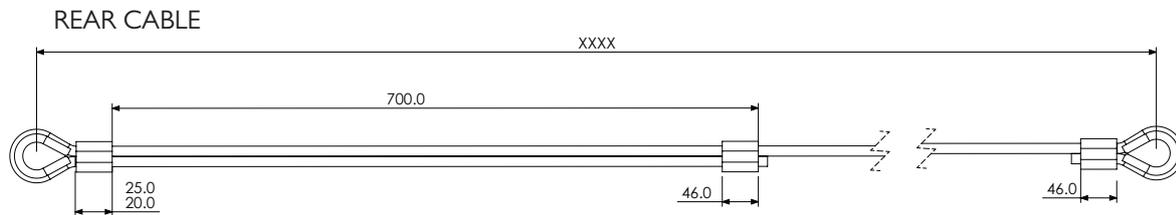
PART NUMBER	DESCRIPTION	QTY.
GA1100033	Boom Cable Kit - Front	2
GA1100034	Boom Cable Kit - Rear	2
GA1100037	Boom Cable Kit - Centre Level	2

# Boom Cables - 42m

## INDIVIDUAL PART FORM - SPECIFIC FITMENT 42M

PART NUMBER	DESCRIPTION	QTY.
	Wire Rope, 12mm 6x25 1770 Galvanised MBL: 98.5kN	See below.
	42m - Front - Cable cut length (Eye to eye length 8280mm)	8645mm
GA5071480	42m - Rear - Cable cut length (Eye to eye length 8970mm)	10035mm
	42m - Bi-fold Front - Cable cut length (Eye to eye length 7870mm)	8220mm
	42m - Bi-fold Rear - Cable cut length (Eye to eye length 7830mm)	8885mm
GA5000215	Thimble, Cable, suit 11 - 12mm	4
GA5005391	Ferrule, Aluminium, 40 long x 4.5 wall, Code 11	4
GA5001965	Heat Shrink 25.4mm Black x 120mm long	8

NOTE: Cable cut lengths are longer than eye to eye measurement.



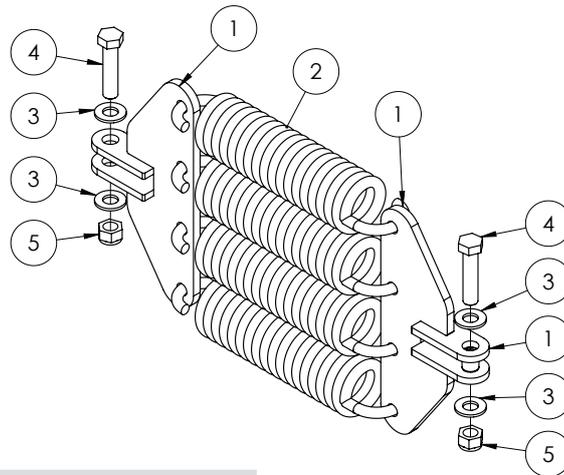
## PRE-MADE FORM - SPECIFIC FITMENT 42M

PART NUMBER	DESCRIPTION	QTY.
GA4932690	Cable Front, Boom Bi-fold, TriTech 42m	2
GA4933650	Cable Front, Boom, TriTech 42m	2
GA4932695	Cable Rear, Boom Bi-fold, TriTech 42m	2
GA4933655	Cable Rear, Boom, TriTech 42m	2

## SALES KIT FORM - UNIVERSAL FITMENT 42M

PART NUMBER	DESCRIPTION	QTY.
GAI100037	Boom Cable Kit - Centre Level	2

## Boom Cable Springs - 30-36m

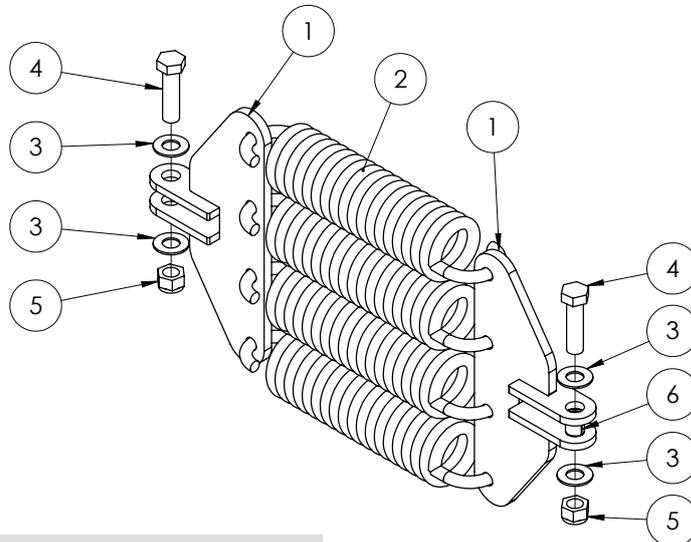


GA4905665 30-36m cable damper assembly

# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659710	Cable Spring-Shocker Mount Component	2
2	GA5010793	Spring, tension, 70 OD x 329 long x 12mm, large	4
3	GA5001043	Washer 16mm Flat SS HD	4
4	GA5000949	Bolt M16 x 70 GR8.8 ZP	2
5	GA5001029	Nut M16 Nyloc ZP	2
6	GA5075220	Glacier bush flanged 16mm suit boom cable pivot	1

## Boom Cable Springs - 42m

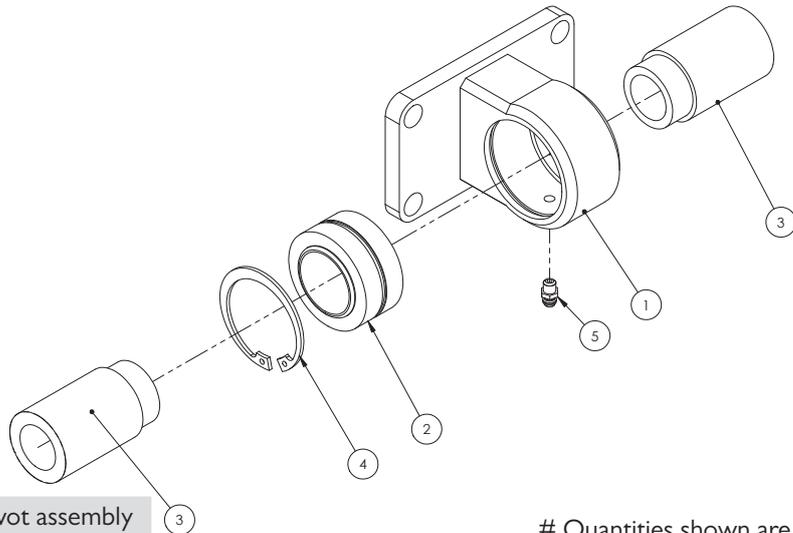


GA4912493 42m cable damper assembly

# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659290	Mount, Boom cable spring, Suit 42 meter TriTech boom	2
2	GA5075095	Spring, Tension, 95 OD x 330 long x 14mm	4
3	GA5001043	Washer 16mm Flat SS HD	4
4	GA5000949	Bolt M16 x 70 GR8.8 ZP	2
5	GA5001029	Nut M16 Nyloc ZP	2
6	GA5075220	Glacier bush flanged 16mm suit boom cable pivot	1

## Upper Pivot Assembly

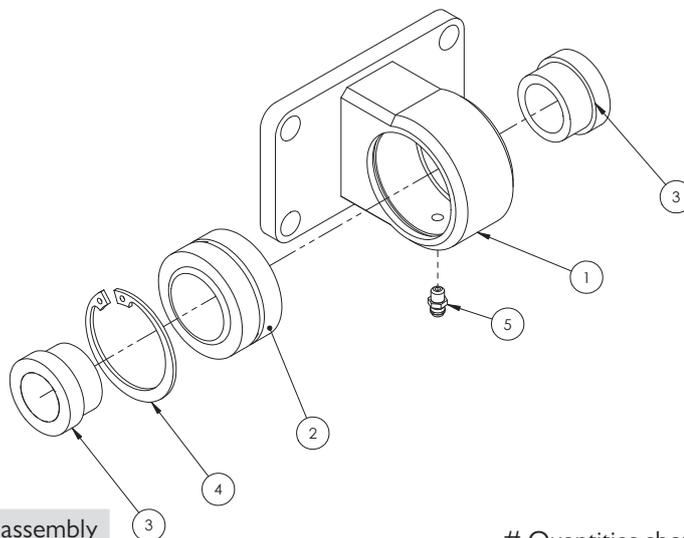


GA4932342 Upper pivot assembly ③

# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656190	Boom hinge bearing Mount 24+	1
2	GA5015659	Bearing, Spherical bush, 34.925 ID x 55.663 OD x 30.150mm thick, GEZ34ES2RS	1
3	DB-ADJ-13	Bush, Stepped, 25.5 ID x 40 OD x 69.75mm long	2
4	GA5010573	Circlip, Internal, 55mm bore	1
5	GA5012203	Grease nipple, Short, 1/4" UNF	1

## Lower Pivot Assembly

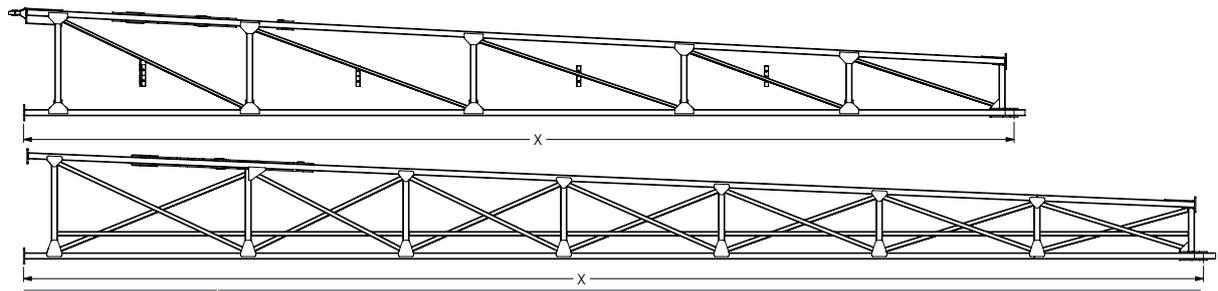


GA4932343 Lower pivot assembly ③

# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656190	Boom hinge bearing Mount 24+	1
2	GA5015659	Bearing, Spherical bush, 34.925 ID x 55.663 OD x 30.150mm thick, GEZ34ES2RS	1
3	DB-ADJ-02	Bush, Short, 40 OD x 25.5 ID x 23.75mm long	2
4	GA5010573	Circlip, Internal, 55mm bore	1
5	GA5012203	Grease nipple, Short, 1/4" UNF	1

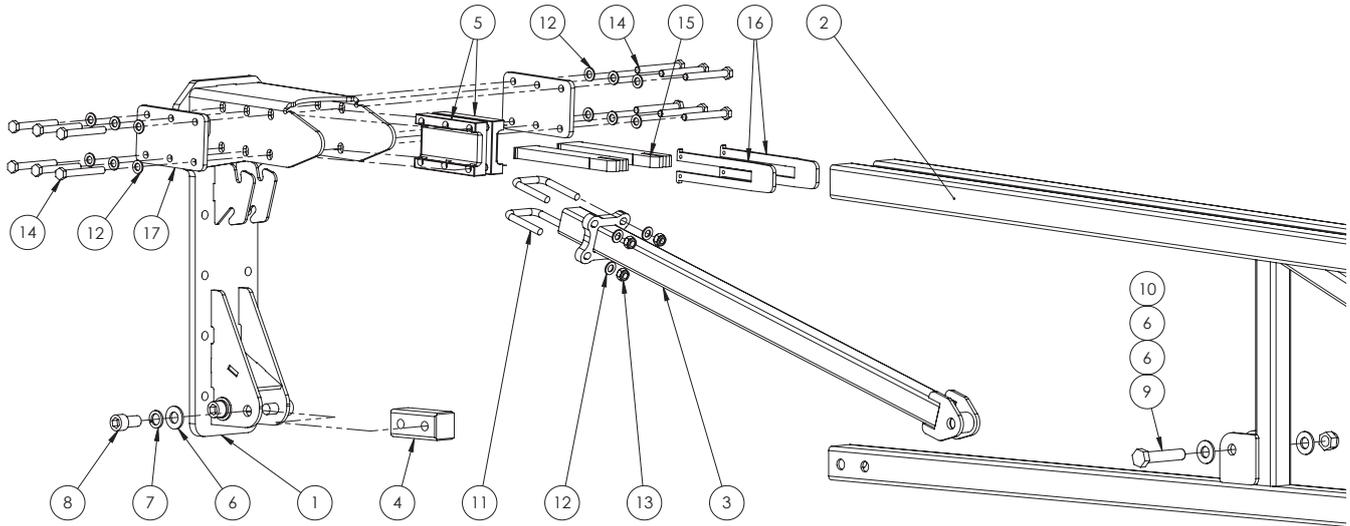
## Steel Inner Wings



PART NUMBER	DESCRIPTION
GA4656822	Inner Wing 36m RH - 7848mm
GA4656827	Inner Wing 36m LH - 7848mm
GA4660180	42m Boom inner flat fold RH - 9348mm
GA4660175	42m Boom inner flat fold LH - 9348mm

NOTE: Steel inner wings are unique to the Crop Cruiser and will not fit other sprayers.

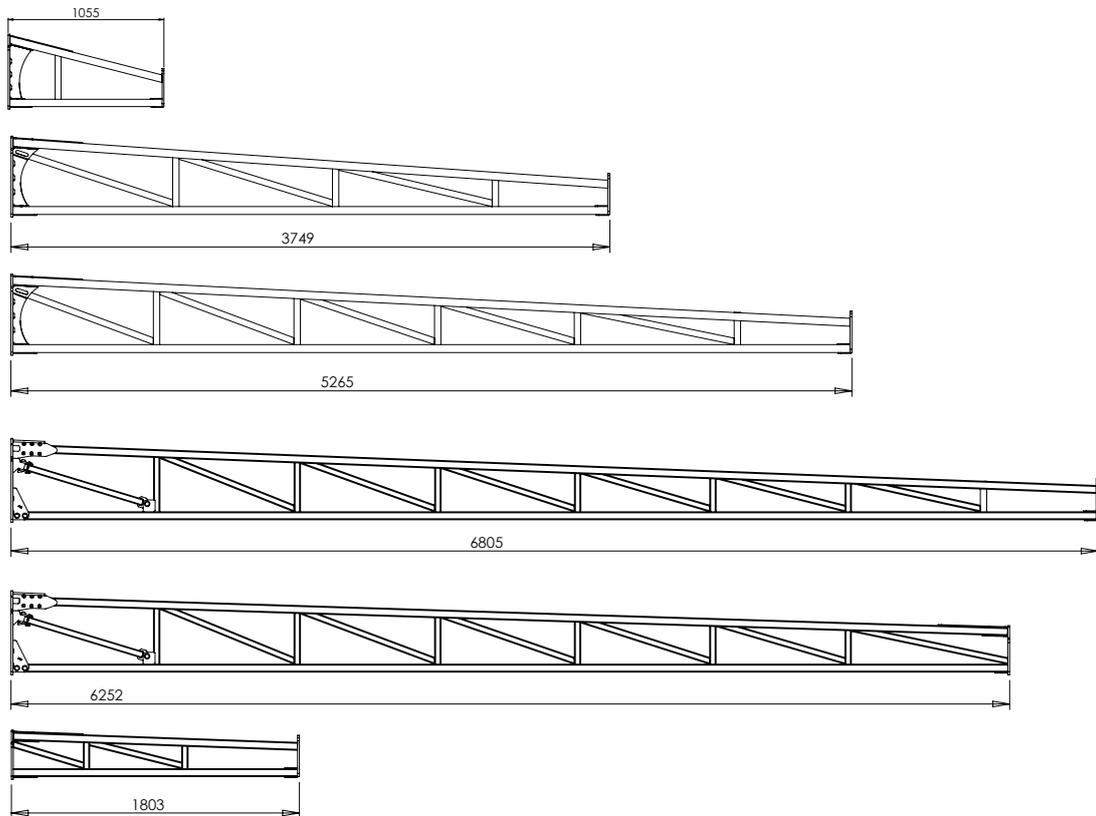
# Aluminium Outer Assembly 36-42m



# Quantities shown are per side.

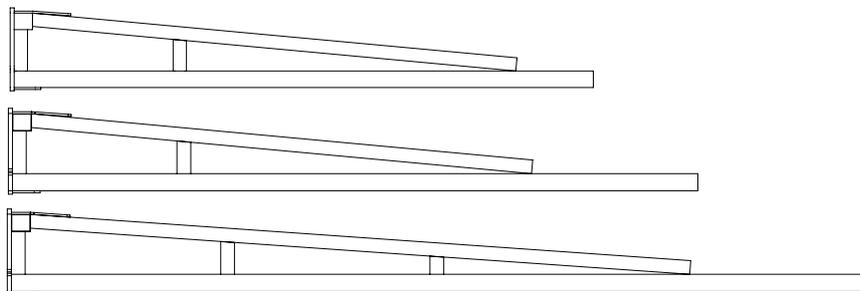
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4660376	Mount Bracket, for Aluminium Boom	1
2	GA4660390	Boom Section, 36m Aluminium, U Bolt Mounted	1
3	GA4660740	Brace Bar, Aluminium Boom	1
4	GA4550031	Threaded Steel Insert Block suit 50x50x4 mm, Bottom Chord	1
5	GA4550740	Clamp Block, Aluminium Boom Mount	2
6	GA5001043	Washer 16mm Flat SS HD	6
7	GA5001051	Washer 16mm Spring SS	4
8	GA5000915	SHCS M16 x 30 GR12.9 ZP	4
9	GA5011307	Bolt M16 x 80 GR8.8 ZP	1
10	GA5001029	M16 Nyloc Nut	1
11	GA5053645	U bolt Square top M10 x 52 x 75 mm	2
12	GA5000117	Washer 10mm Flat SS HD	16
13	GA5000141	Nut M10 Nyloc ZP	4
14	GA5011182	Bolt M10 x 85 GR8.8 ZP	12
15	GA4403910	Spacer Insert, Aluminium Boom RHS Chord	2
16	GA4403915	Locating Plate, Spacer Insert, Aluminium Boom RHS Chord	2
17	GA4404735	Plate, Boom Clamp, Outer Support	2

## Aluminium Outer Wings



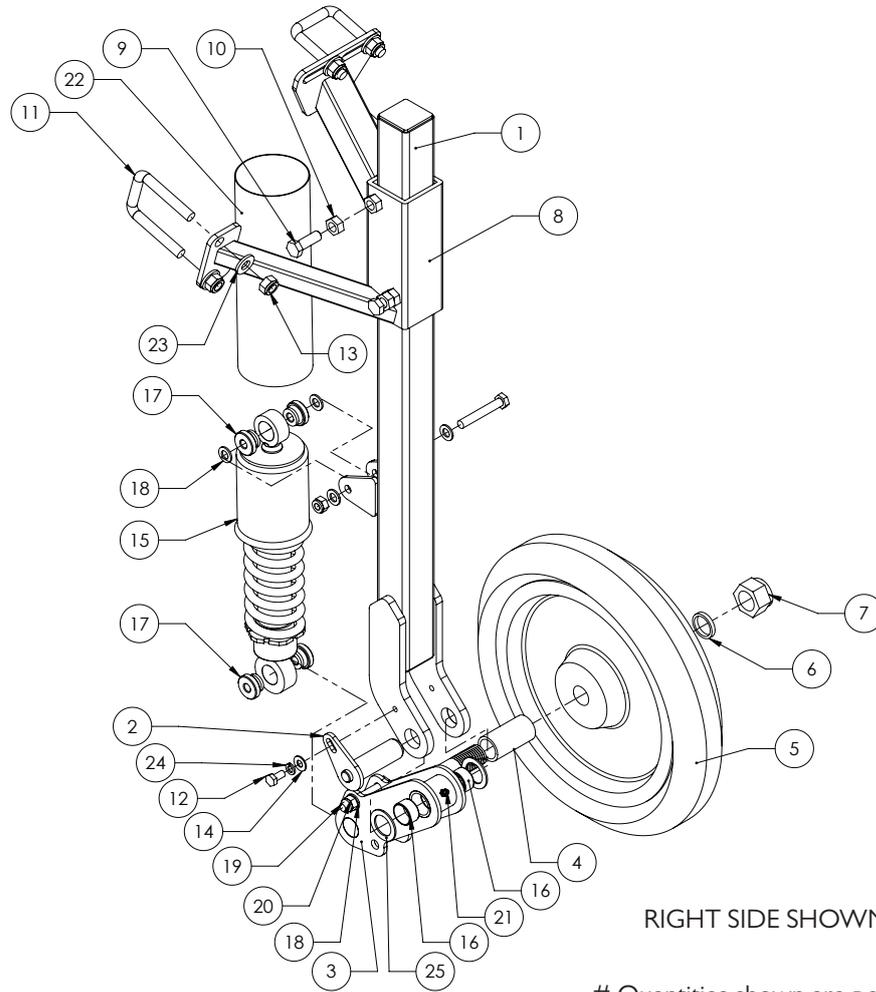
PART NUMBER	DESCRIPTION
GA4659820	24m Outer boom section (1055mm Long)
GA4659925	30m Outer boom section (3749mm Long)
GA4656067	33m Outer boom section (5265mm Long)
GA4660390	36m Outer boom section, Aluminium, U Bolt Mounted
GA4907345	36m Outer boom section (6805mm Long) - Complete with brace
GA4660650	42m Outer boom section, Aluminium, U Bolt Mounted
GA4907220	42m Outer boom inner section (6252mm long) - Complete with brace
GA4659287	42m Outer boom outer section (1803mm long)

## Aluminium Break Away Tip



PART NUMBER	DESCRIPTION
GA4656640	Boom breakaway end - 1.75 m
GA4656123	Boom breakaway end - 2.0 m
GA4656124	Boom breakaway end - 2.5 m

# Touch Down Wheel



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4902492	Touch down wheel LH	-
-	GA4902491	Touch down wheel RH	-
1	GA4657650	Boom Touch Down Wheel Arm	1
2	GA4657645	Pivot Pin, suit Boom Touch Down Wheel Swing Arm	1
3	GA4657655	Swing Arm Boom Touch Down Wheel	1
4	GA4583030	Spacer Touch Down Wheel	1
5	GA5052275	Press Wheel 15" with sealed bearings	1
6	GA4535115	Bearing Washer, suit Touch Down Wheel	1
7	GA5012446	Nut 1" UNF 12 TPI Nyloc ZP	1
8	GA4657640	Mount Boom touch down wheel	1
9	GA5000311	Set screw, M12 x 35, ZP GR 8.8	2
10	GA5000559	Nut M12 Hex ZP	2
11	GA5011251	U bolt, Square top, M12 x 52mm x 80mm	3
12	GA5011465	Bolt M8 x 16 ZP GR8.8	1
13	GA5012461	Nut M12 Nyloc ZP	6
14	GA5003643	Washer 8mm Flat SS HD	1

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## Touch Down Wheel

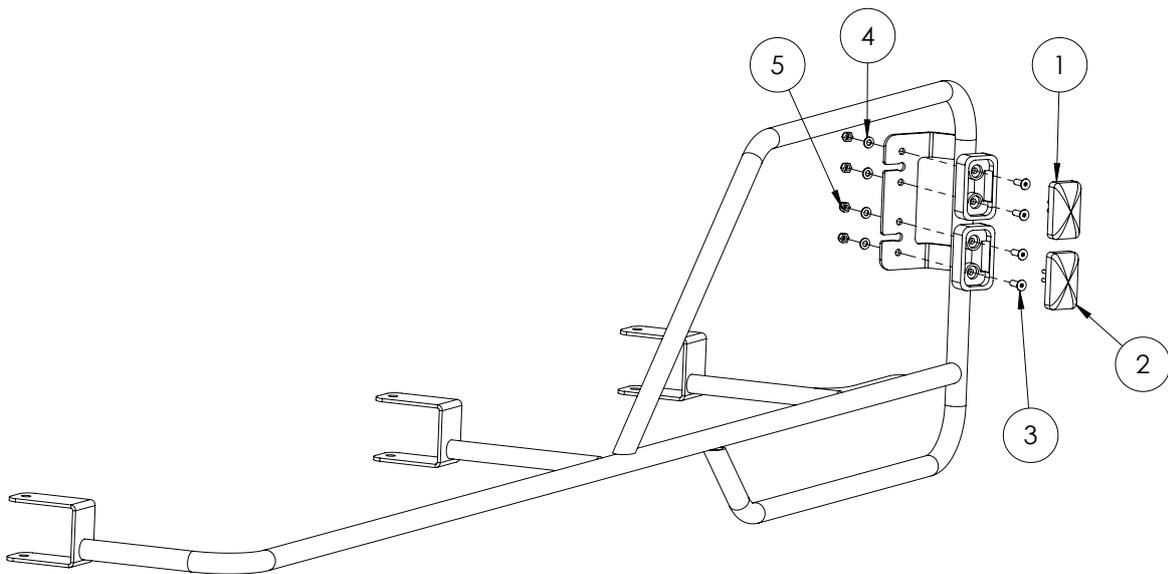
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
15	GA5067085	Universal shocker 320 eye-eye	1
16	GA5009463	Glacier Bush, ID 25 x 15mm long	2
17	GA4583100	Bush, Black nylon, 30 OD x 10 ID x 16.5mm	4
18	GA5000117	Washer 10mm Flat SS HD	6
19	GA5006101	Bolt M10 x 65 ZP GR8.8	2
20	GA5000141	Nut M10 Nyloc ZP	2
21	GA5012203	Grease nipple, Short, 1/4" UNF	1
22	GA5052375	Hose Lay Flat 63mm Blue (cut 270mm long)	1
23	GA5000577	Washer 12mm Flat SS HD	6
24	GA5004919	Washer 8mm Spring SS	1
25	GA4522315	Washer, 27 ID x 40 OD x 2mm thick, SS	2

# Quantities shown are per side.

# Chapter 15

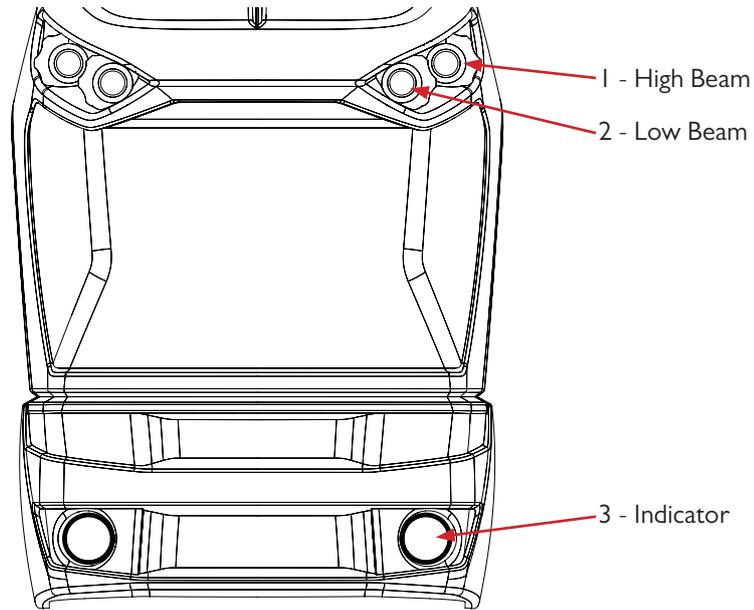
## ELECTRICS

### Lighting - Boom Tip LEDs



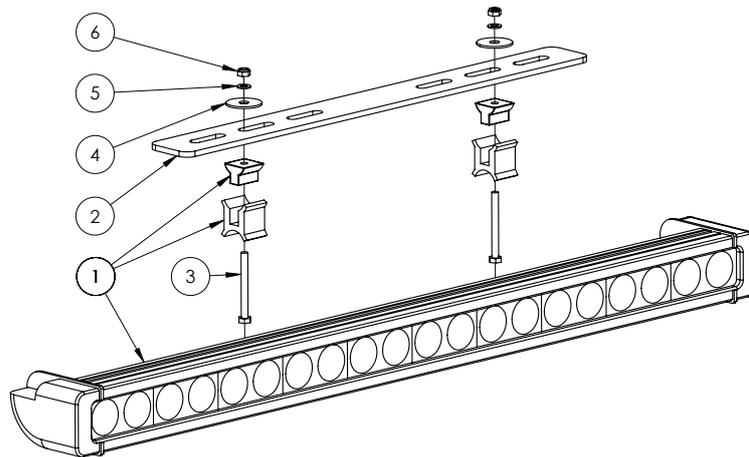
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5060057	Clearance light with connector, Orange LED	1
2	GA5060056	Clearance light with connector, Red LED	1
3	GA5051230	CSCS M5 x 16 SS	4
4	GA5003983	Washer 5mm Flat SS	4
5	GA5003975	Nut M5 Nyloc SS	4

## Lighting - Headlight & Indicator



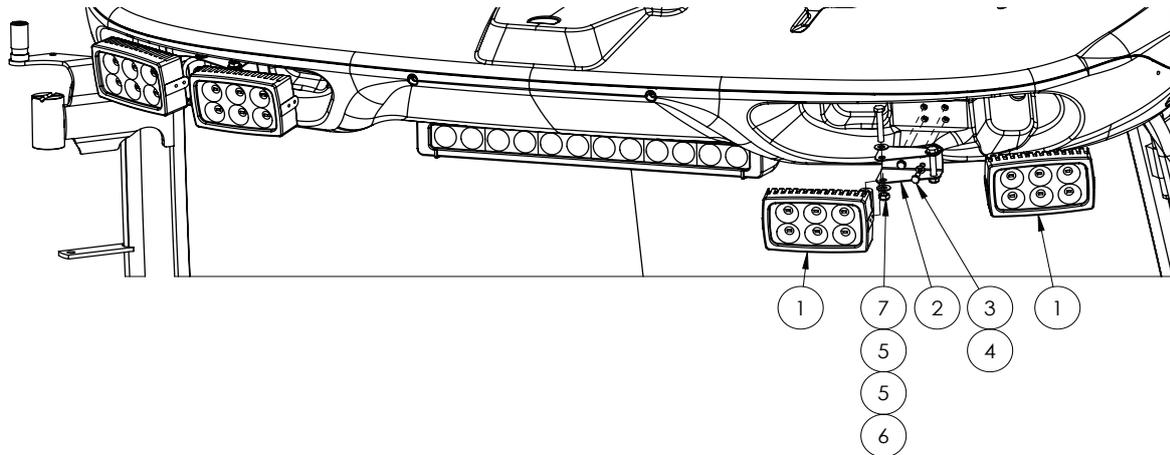
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA3000082	HB3 12V 60w Globe - High and low beam	-
1	GA5075410	Headlight Assembly, High Beam, 12v, 60w, Projector	-
2	GA5075405	Headlight Assembly, Low Beam, 12v, 60w, Projector	-
3	GA5075415	Indicator / Running Light Assembly, LED	-

## Lighting - Bonnet LED Light Bar - Optional



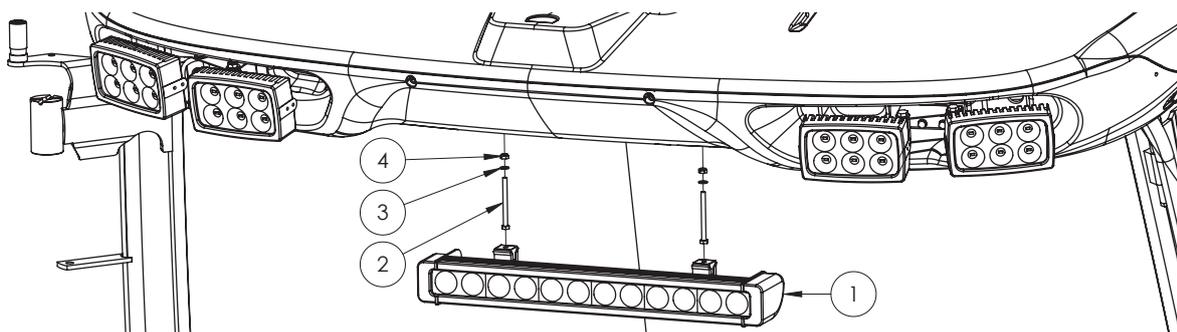
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075510	Light, LED, Bar, Spot & Flood beam, 180W - Includes connector	1
2	GA4506725	Plate, Light Bar Mount, Lower Bonnet	1
3	GA5004097	Bolt M6 x 60 GR8.8 ZP	2
4	GA5017645	Washer 1/4" ID x 1 1/4" OD x 16g SS	2
5	GA5004437	Washer 6mm Flat SS	2
6	GA5048115	Nut M6 Nyloc ZP	2

## Lighting - Cab Front



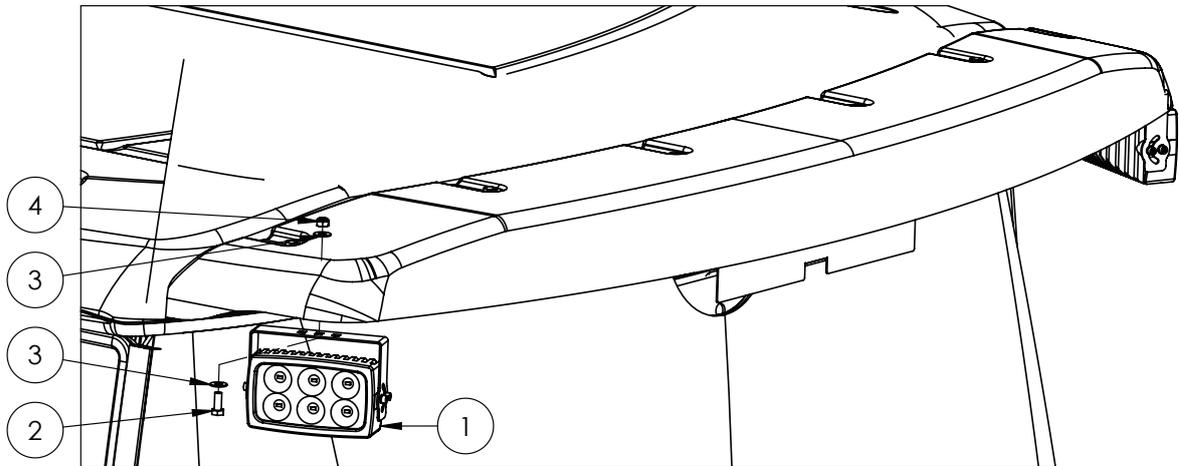
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5052825	Wedge Lock, 2 Way, sockets, DT series	1
-	GA5052830	Receptacle, 2 way, pins, DT series	1
-	GA5061240	Pin, Male, solid, nickel, Number 16, Green band, AWG 14, Deutsch	2
1	GA3000250	Light, LED, Work, Cabin, 30 Watt, with connector, brackets & mounting hardware	2
2	GA4404375	Bracket, Light Mount, Claas Cabin	1
3	GA5004041	Bolt M6 x 16 GR8.8 ZP	4
4	GA5004437	Washer 6mm Flat SS	8
5	GA5003643	Washer 8mm Flat SS HD	4
6	GA5004727	Bolt M8 x 50 GR8.8 ZP	2
7	GA5004917	Nut M8 Nyloc ZP	2
8	GA5048115	Nut M6 Nyloc ZP	4

## Lighting - Cab Front LED Light Bar - Optional



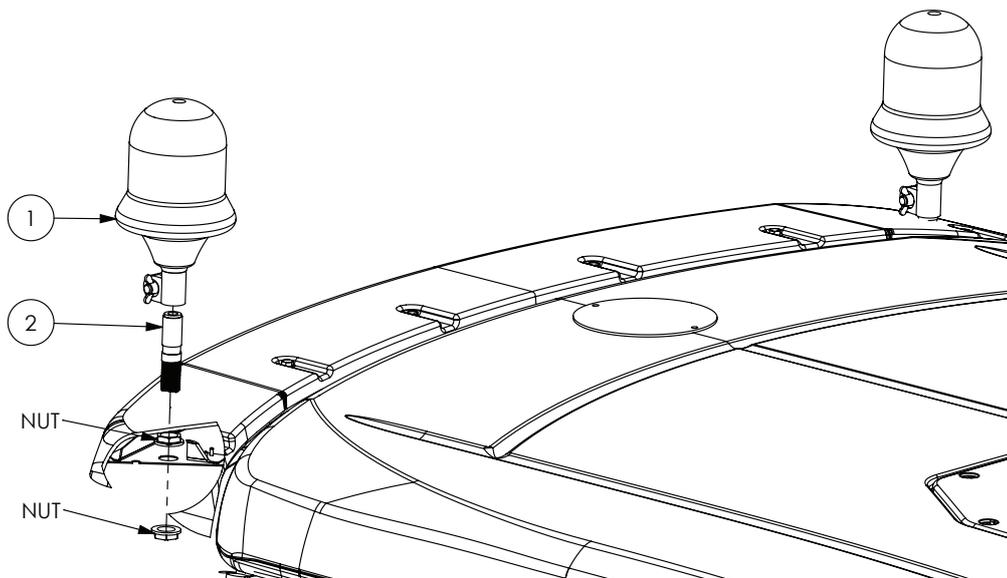
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5007381	Connector, 2 pin, Female, Weather pack	1
-	GA5016617	Pin, Male, Sealed, Weather pack, Wire 1.0 - 2.0mm	2
-	GA5014857	Seal, Green, Weather pack connector, Wire from 2.03 - 2.85mm	2
1	GA5075505	Light, LED, Bar, Spot & Flood beam, 120W	1
2	GA5004107	Bolt M6 x 70 GR8.8 ZP	2
3	GA5004437	Washer 6mm SS	2
4	GA5048115	Nut M6 Nyloc ZP	2

## Lighting - Cab Lights Rear



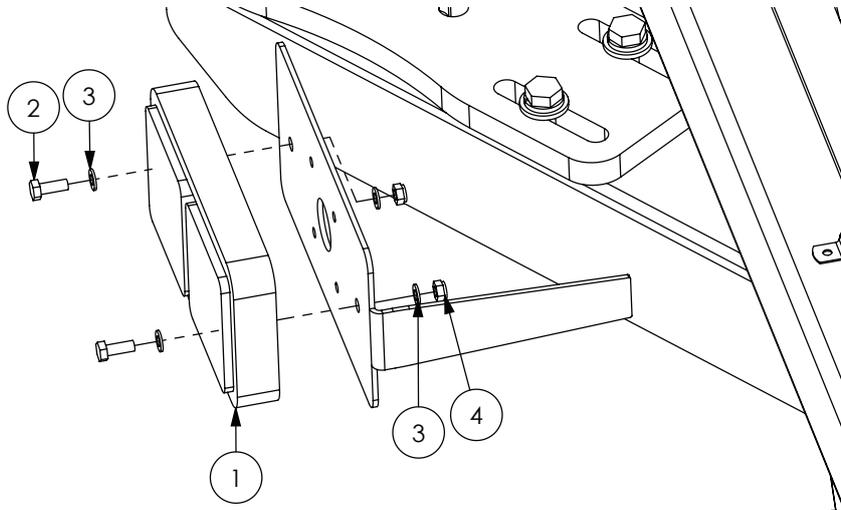
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5052825	Wedge Lock, 2 Way, sockets, DT series	1
-	GA5052830	Receptacle, 2 way, pins, DT series	1
-	GA5061240	Pin, Male, solid, nickel, Number 16, Green band, AWG 14, Deutsch	2
1	GA3000250	Light, LED, Work, Cabin, 30 Watt, with connector, brackets & mounting hardware	1
2	GA5004085	Bolt M8 x 20 GR8.8 ZP	1
3	GA5003643	Washer 8mm Flat SS HD	2
4	GA5004917	Nut M8 Nyloc ZP	1

## Lighting - Beacon Lights



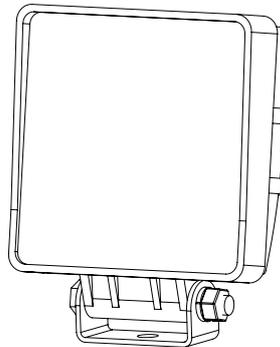
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5048975	Beacon, Rotating, Amber, DIN A pole mount, HI globe included	2
	GA5012093	Globe, Beacon, HI 12V 55W, Narva	-
2	GA5020411	Beacon insert screw in	2

## Lighting - Tail Lights



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018786	Lamp, LED, 12V, Brake / tail light / indicator, 190 x 100mm	2
2	GA5011395	Bolt M6 x 16 SS A2-70	4
3	GA5004437	Washer 6mm Flat SS	8
4	GA5048115	Nut M6 Nyloc ZP	4

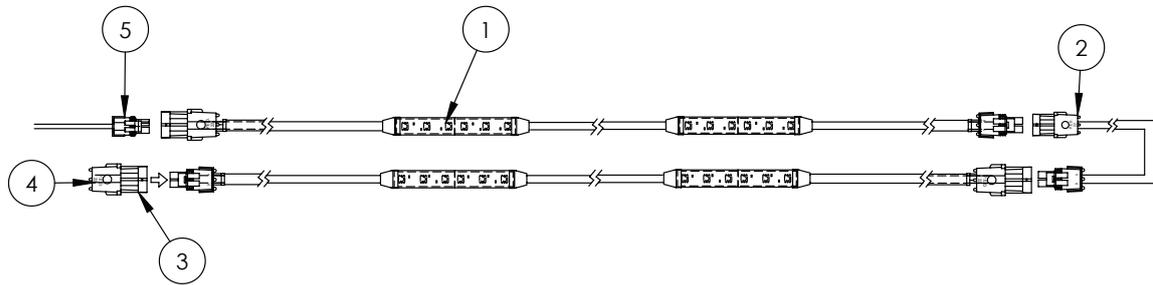
## Lighting - Service Lights



PART NUMBER	DESCRIPTION	QTY.
GA5075500	Light, LED, Work, Flood beam, bare wires, 12v, 24W	1
GA5007381	Connector, 2 pin, Female, Weather pack	1
GA5016617	Pin, Male, Sealed, Weather pack, Wire 1.0 - 2.0mm	2
GA5014857	Seal, Green, Weather pack connector, Wire from 2.03 - 2.85mm	2
GA5006113	Bolt M10 x 20 GR8.8 ZP	1
GA5003643	Washer 8mm Flat SS HD	2
GA5004917	Nut M8 Nyloc ZP	1
GA5003039	Electrical wire, 3mm, Twin core, Double insulated, Black outer , Red & black inner	-
GA5012161	Split Tubing, 7mm	-

# Quantities shown are per work light.

## Lighting - Night Pro LEDs



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5060136	Harness, Boom Light 2 LED Strip, 12v 0.24Amp	36
2	GA5060137	Harness, Pivot Extension 2000mm	4
	GA5060138	Harness, Pivot Extension 5000mm	2
3	GA5007381	Connector, 2 pin, Female, Weather pack	4
4	GA5050245	Seal, Cavity blanking plug, Weather pack connector	8
5	GA3000016	Harness, Quad splitter, suit night pro power supply	1

NOTE: The quantity shown is for a full 36 meter boom

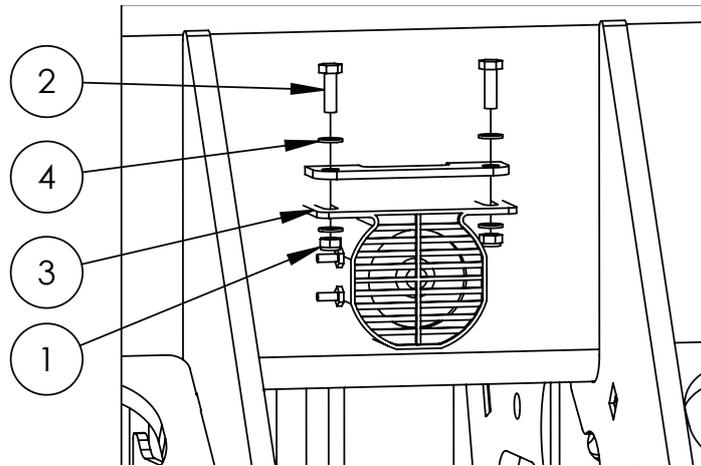
## Lighting - Egress Relay



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5068760	Relay, Delay timer	1

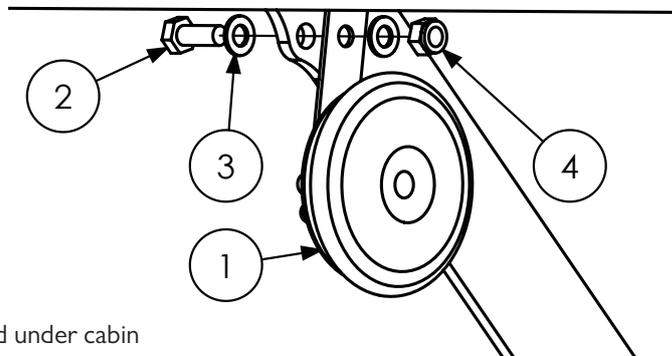
NOTE: The egress lighting delay timer relay is located inside the cabin fusebox. It is mounted to the vertical panel closest to the door.

## Reverse Warning Beeper



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5048115	Nut M6 Nyloc ZP	2
2	GA5004065	Bolt M6 x 20 ZP GR8.8	2
3	GA5011985	Reverse beeper, 12v 102db alarm	1
4	GA5004437	Washer 6mm Flat SS	4

## Horn

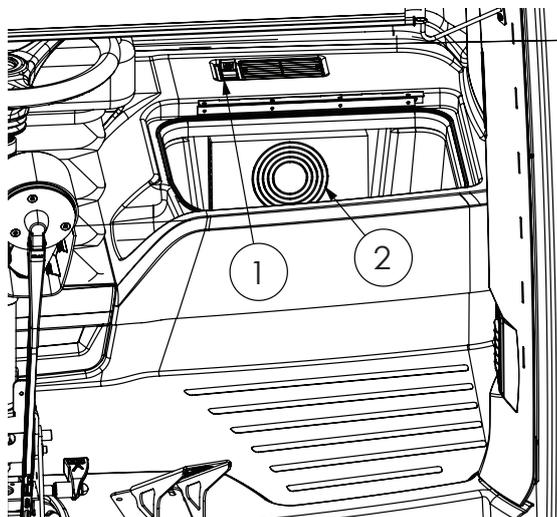


NOTE: Horn is located under cabin

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5011983	12 volt, disc horn, high tone	1
2	GA5004085	Bolt M8 x 20 ZP GR8.8	1
3	GA5003643	Washer 8mm Flat SS HD	2
4	GA5052590	Nut M8 Nyloc SS	1

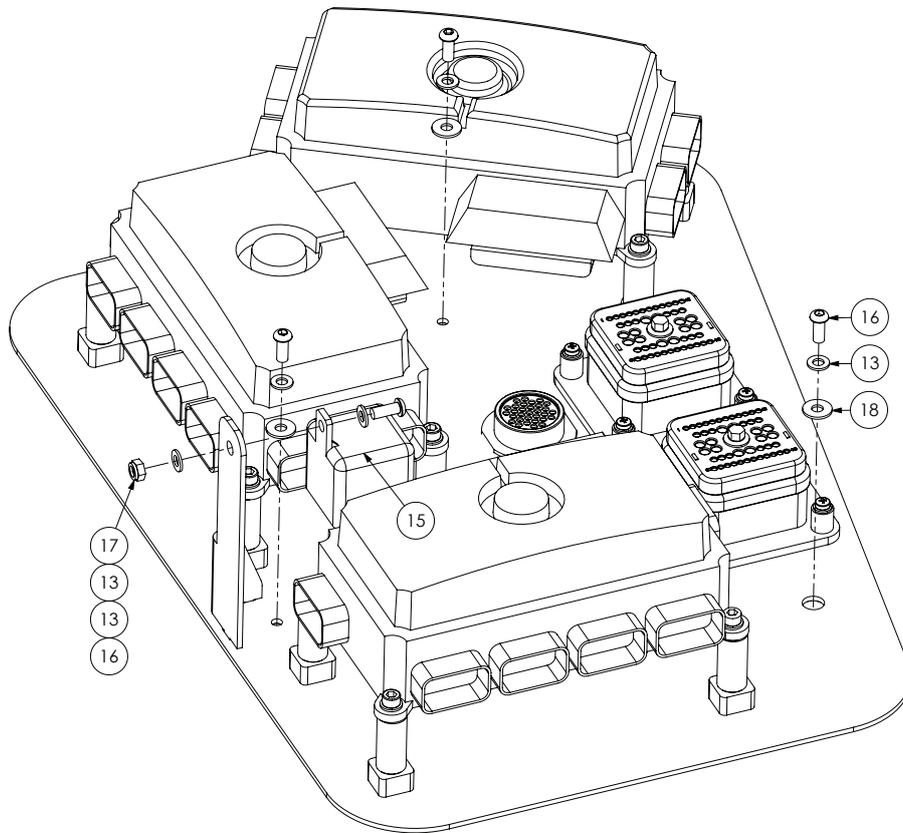
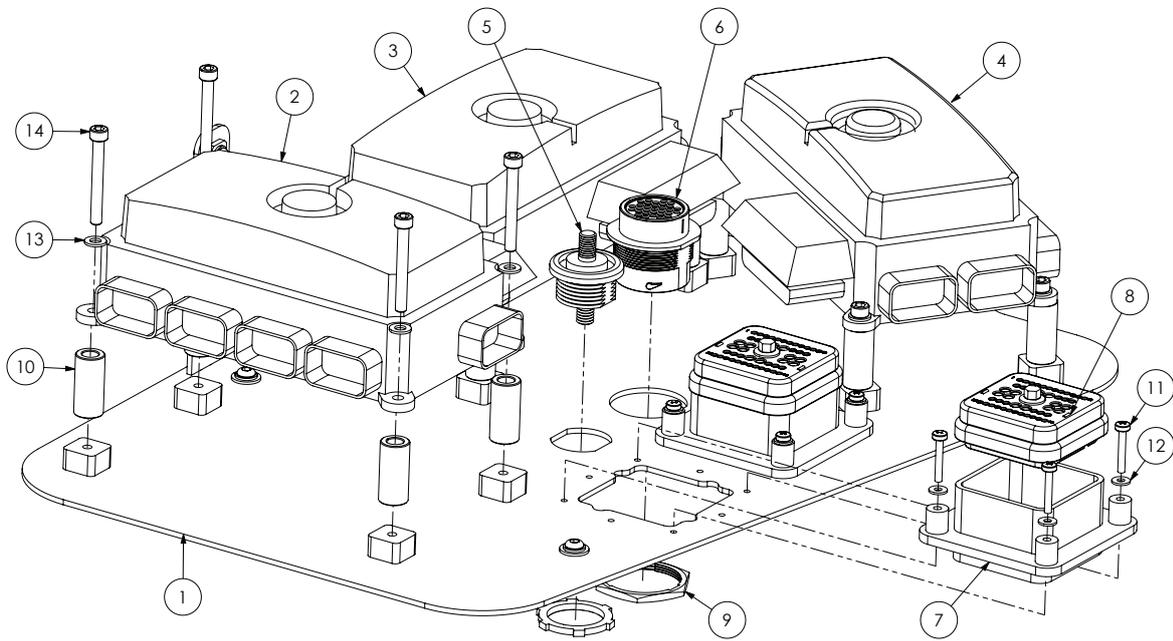
## Cabin - Fridge - Optional

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5070396	Loom Fridge Claas Cabin	-
-	GA5060061	Electrical Harness, Cooler Cabin Fridge, suit GATMC	-
-	GA5060062	Electrical harness, Cooler Cabin Fridge, suit Raven	-
1	GA5070397	Rocker Switch, Claas Fridge Cooler	1
2	GA5070395	Fridge Cooling Module, suit Claas Cabin	1

# Cabin - Fuse Boxes

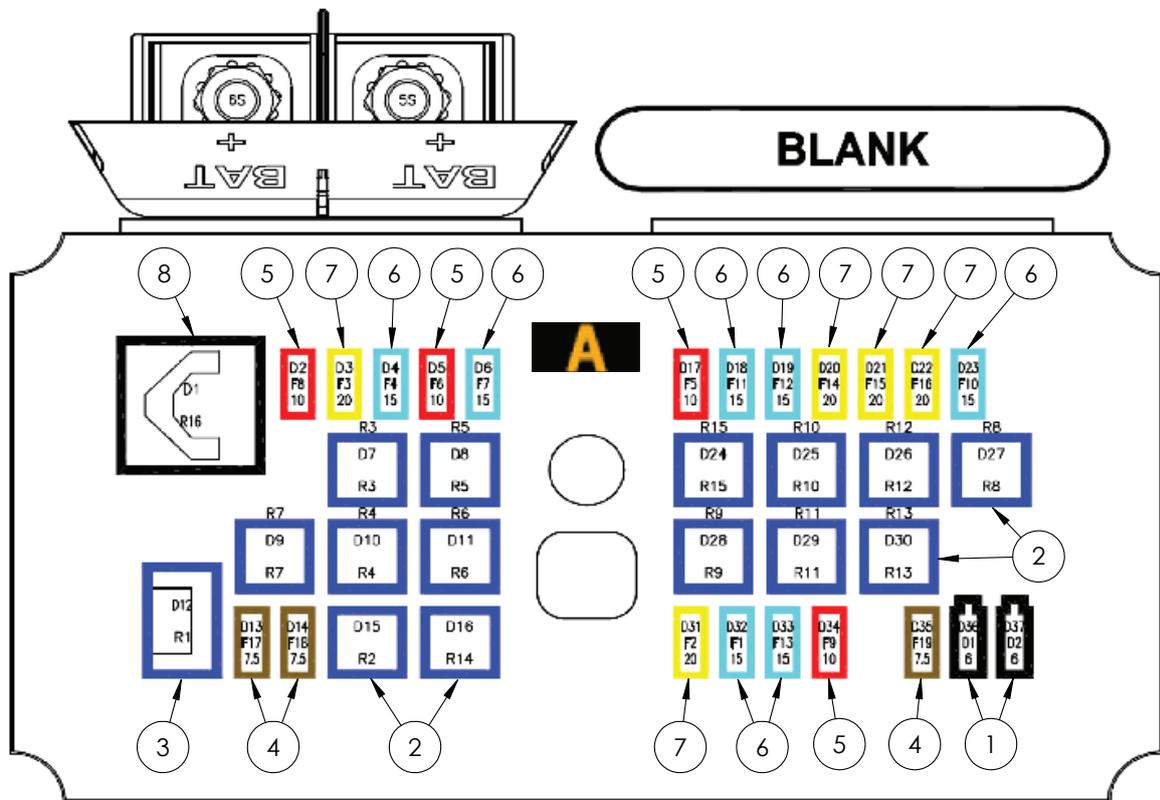


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## Cabin - Fuse Boxes

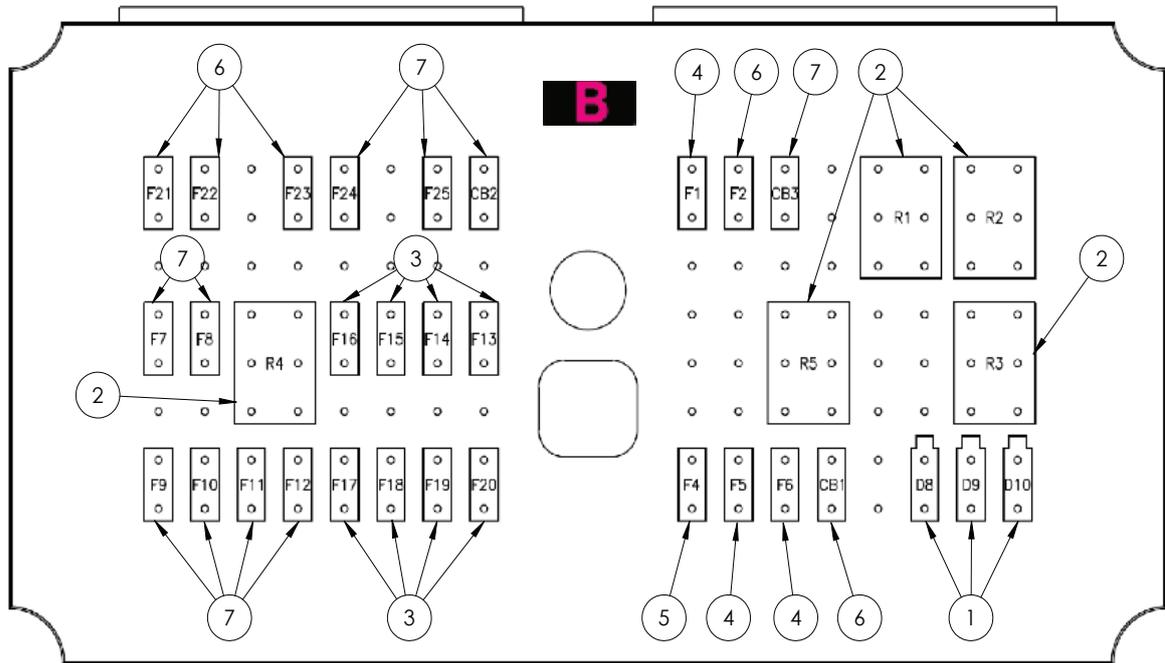
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5075040	Diode, 6 amp, With wing key	1
1	GA4658690	Cabin Fuse Box, Mounting Plate Assembly	1
2	GA5060025	Fuse box, Auxiliary B, Cabin	1
3	GA5060326	Fuse box, Joystick C, Cabin	1
4	GA5060033	Fuse box, Main control A, Cabin	1
5	GA5006379	Stud, insulated, Battery power Feed Stud	1
6	GA5061790	Receptacle, 31 pin, HPD series, Deutsch	1
7	GA5061195	Deutsch Connector DRB Bulk Head suit 48 pin	2
8	GA5060440	Plug, 48 Pin suits Pins, DRB series, Deutsch	2
9	GA5012399	Nut, For connector, 24 shell, Deutsch	1
10	GA4552135	Spacer for Altek rotary valve	12
11	GA5049020	Bolt M4 x 25 Pan Head SS	8
12	GA5020510	Washer 4mm Flat SS	8
13	GA5004437	Washer 6mm Flat SS	17
14	GA5011421	SHCS M6 x 50 ZP GR12.9	12
15	GA5048640	Relay, 12V, 180 Amp Peak, 100 Amp continuous, 4 pin, Normally open	1
16	GA5004050	BHCS M6 x 16 SS GR8.8	4
17	GA5004429	Nut M6 Nyloc SS	1
18	GA5017643	Washer, 1/4" ID x 5/8" OD x 18g, Flat SS	3

## Fuse Box 'A' - Cabin



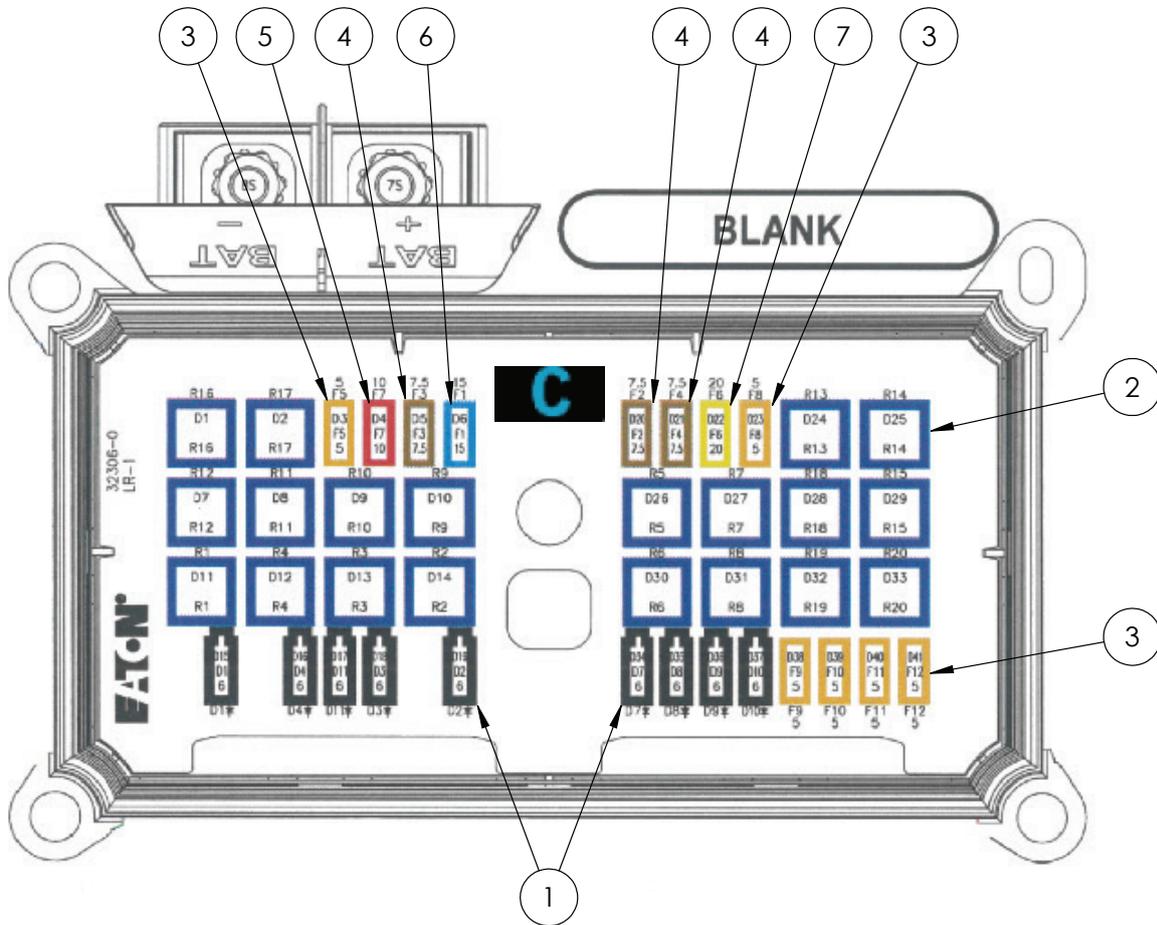
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075040	Diode, 6 Amp, With Wing Key, Suit Crop Cruiser 2009	2
2	GA5075035	Relay, Ultra Micro Iso280, 4 Pin Square, Spst, 12v 20a	14
3	GA5075030	Relay, Ultra Micro Iso280, 5 Pin, Spst, 12v 20a	1
4	GA5054840	Mini Blade Fuses 7.5amp	3
5	GA5054845	Mini Blade Fuses 10 Amp	4
6	GA5054850	Mini Blade Fuses 15 Amp	7
7	GA5054855	Mini Blade Fuses 20 Amp	5
8	GA5075055	Flasher Relay, Suit Sp Micro Fuse Box, Blinker, Indicator, 3 Pin Iso, Led 12v	1

# Fuse Box 'B' - Cabin



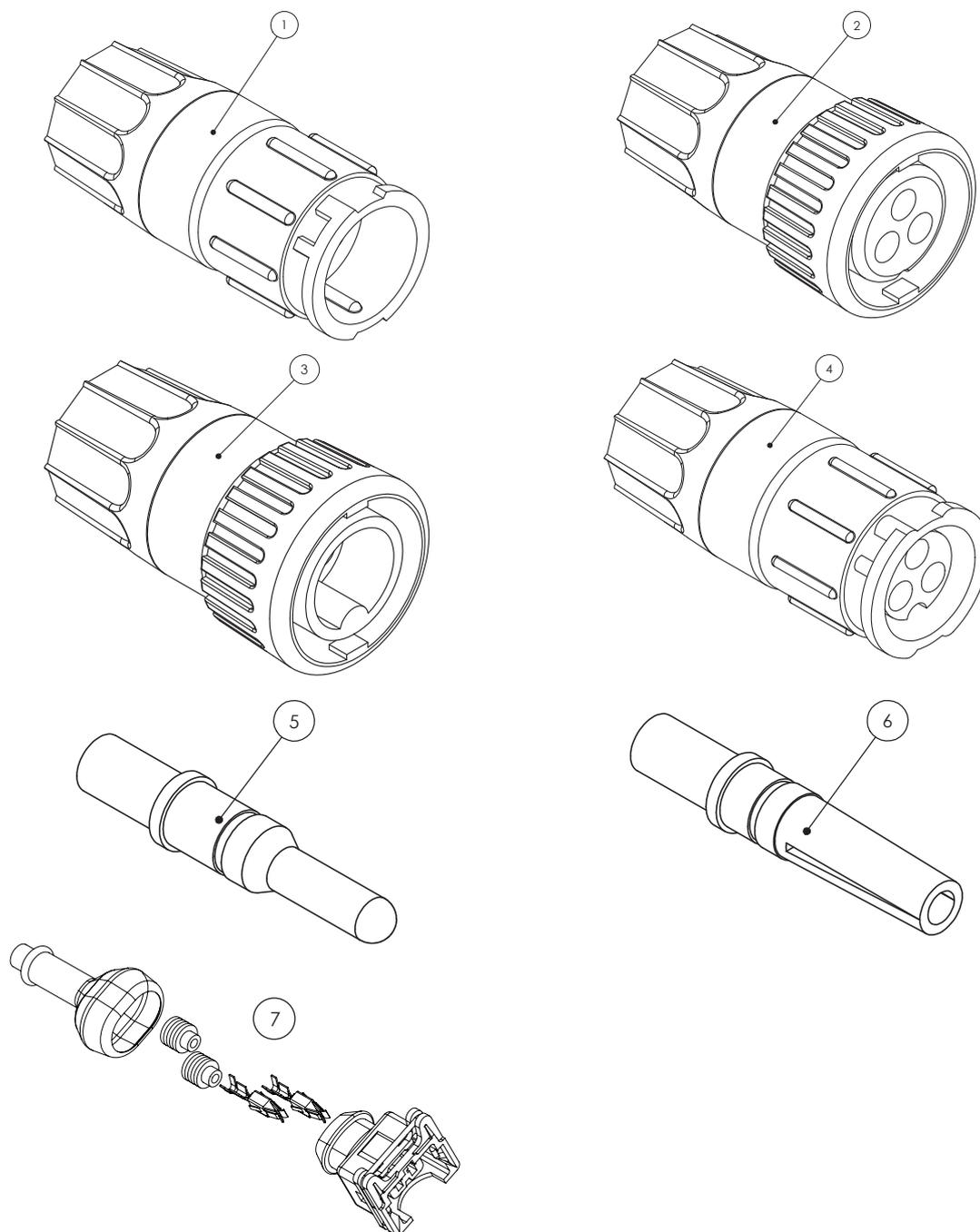
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075040	Diode, 6 Amp, With Wing Key, Suit Crop Cruiser 2009	3
2	GA5075035	Relay, Ultra Micro Iso280, 4 Pin Square, Spst, 12v 20a	5
3	GA3000396	Fuse, Mini Blade, 5 Amp, 52705	8
4	GA5054845	Mini Blade Fuses 10 Amp	3
5	GA5054850	Mini Blade Fuses 15 Amp	1
6	GA5054855	Mini Blade Fuses 20 Amp	6
7	GA5054865	Fuse Mini Blade 30 Amp (52730)	10

# Fuse Box 'C' - Cabin



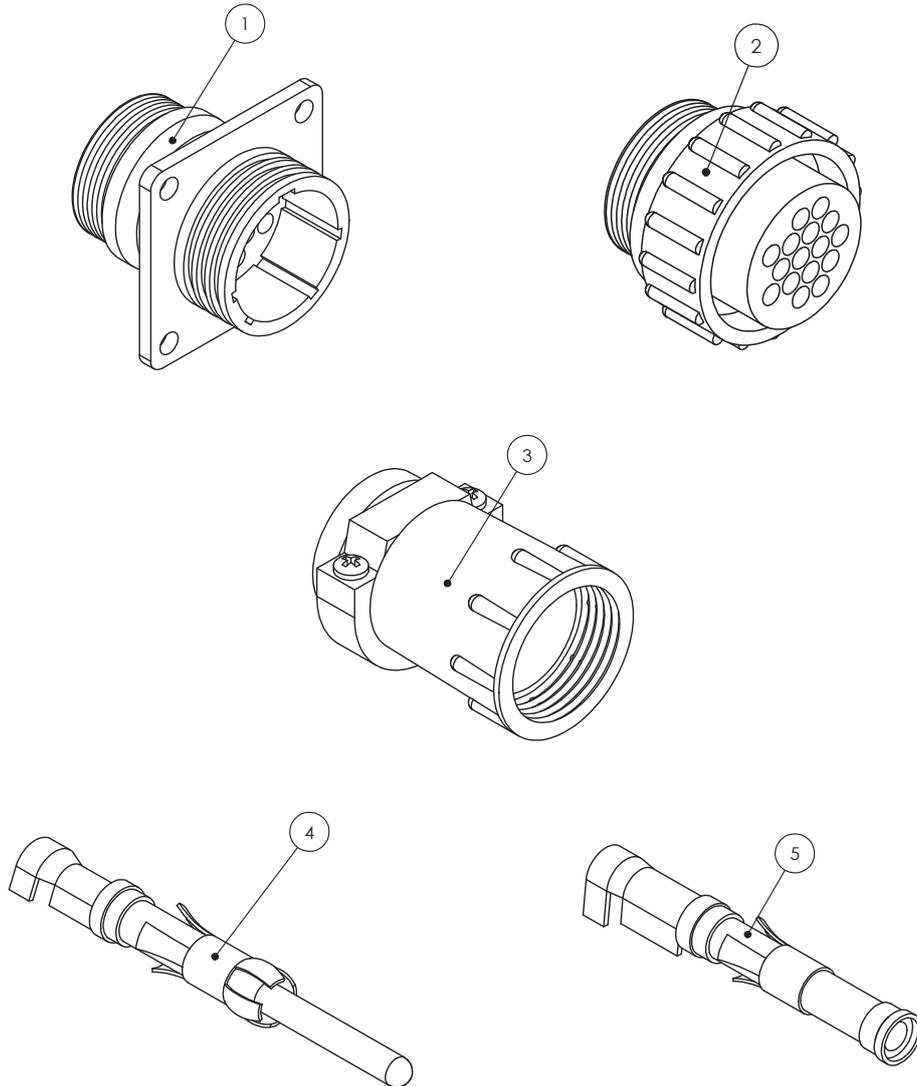
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075040	Diode, 6 Amp, With Wing Key, Suit Crop Cruiser 2009	9
2	GA5075035	Relay, Ultra Micro Iso280, 4 Pin Square, Spst, 12v 20a	20
3	GA3000396	Fuse, Mini Blade, 5 Amp, 52705	6
4	GA5054840	Mini Blade Fuses 7.5amp	3
5	GA5054845	Mini Blade Fuses 10 Amp	1
6	GA5054850	Mini Blade Fuses 15 Amp	1
7	GA5054855	Mini Blade Fuses 20 Amp	1

## Electrical Connectors - AMP



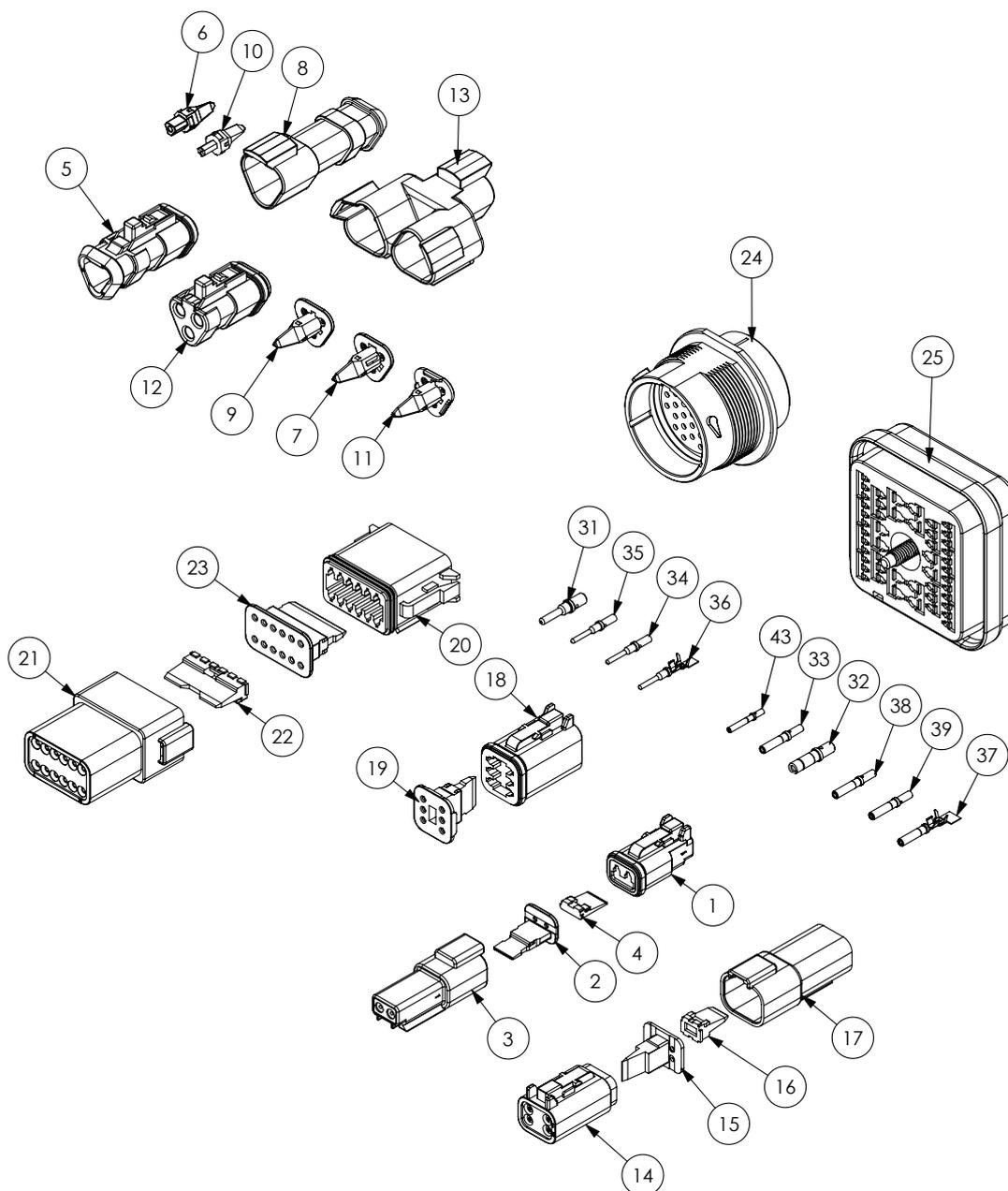
ITEM NO.	PART NUMBER	DESCRIPTION
1	4084001014	Connector, 3 Pin kit, Flow Meter, Including Male Pins, Raven
2	4084001015	Connector, 3 Pin kit, Flow Meter, Including Female Pins, Raven
3	4084001010	Connector, 3 Pin Kit, Speed Sensor, including Male Pins, Raven
4	4084001016	Connector, 3 Pin kit, Speed Sensor, Including Female Pins, Raven
5	4084001062	Pin, 16-20 Gauge, Male, Suit Speed Sensor - Flow Meter, Raven
6	4084001063	Pin, 16-20 Gauge, Female, Suit Speed Sensor - Flow Meter, Raven
7	GA5047728	Plug, 2 pin, Black, fuel injector connector, IP65K, AMP
-	GA5068945	Connector, 3 Pin AMP super seal waterproof male

# Electrical Connectors - AMP



ITEM NO.	PART NUMBER	DESCRIPTION
1	4084001017	Connector, 16 Pin AMP, Square Flange, Suit Male Pins, Raven
2	4084001018	Connector, 16 Pin AMP, Suit Female Pins, Raven
3	GA5049175	Connector, Backing Shell, Suit 16 Pin AMP, Raven
4	GA5048905	Pin, 14-18 Gauge Gold, Male, Suit 16 Pin AMP
5	GA5048900	Pin, 14-18 Gauge Gold, Female, Suit 16 Pin AMP
-	GA5020785	Connector, 37 Pin AMP, Male, Raven
-	GA5020780	Connector, 37 Pin AMP, Female
-	GA5020560	Connector, Backing Shell 23, Suit 37 Pin AMP, Standard size
-	GA5020559	Connector, Backing Shell 23, Suit 37 Pin AMP, Large size
-	GA5020561	Connector Dust Cap, 37 Pin AMP, Male, Raven
-	GA5020575	Dust Cap, 16 Pin AMP Connector, Male
-	0630171042-E	Dust Cap, 16 Pin AMP Connector, Female
-	0630172526-B	DustCap 37 Pin Series 23 (4000 series Connector Dust Cap, 37 Pin AMP, Series 23, Raven

## Electrical Connectors - Deutsch



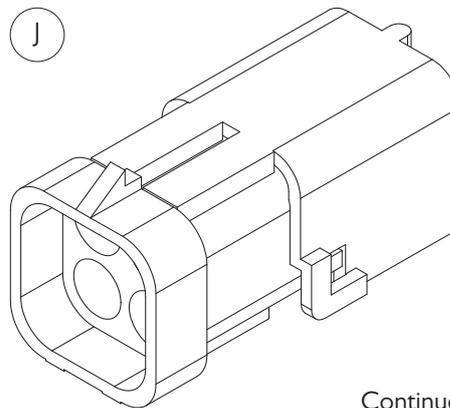
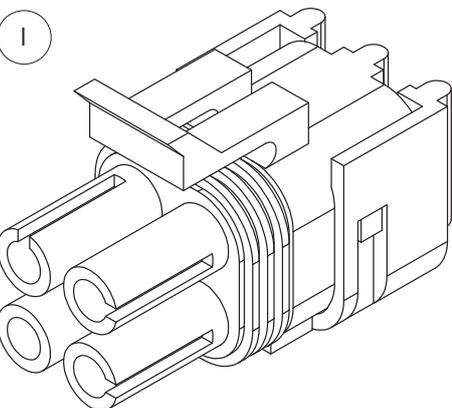
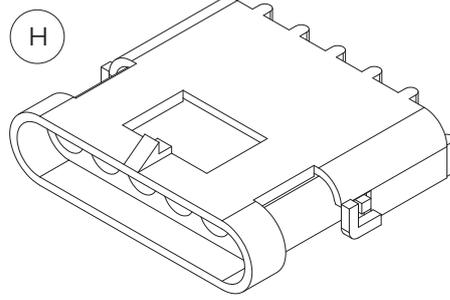
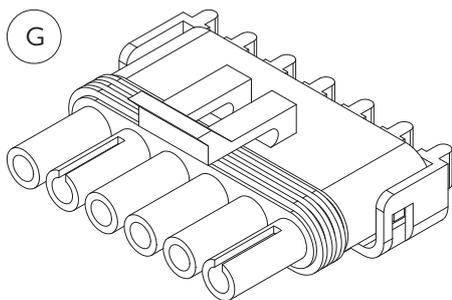
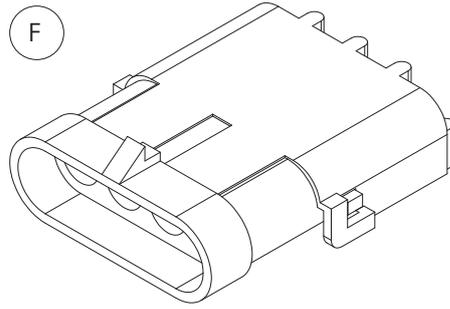
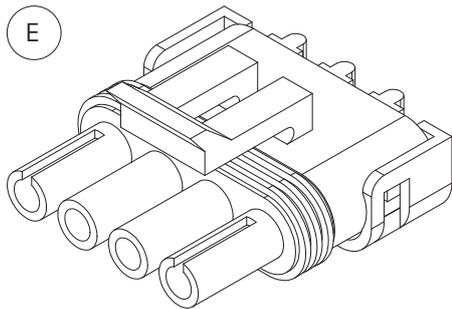
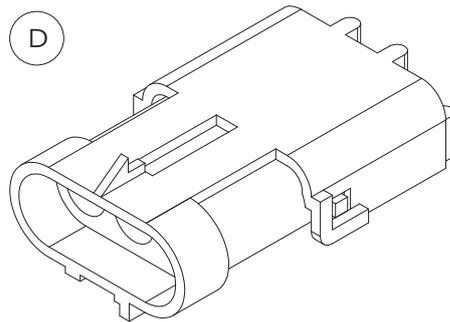
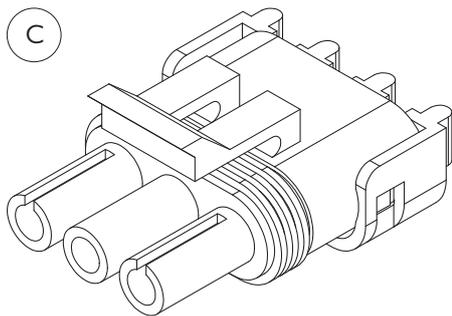
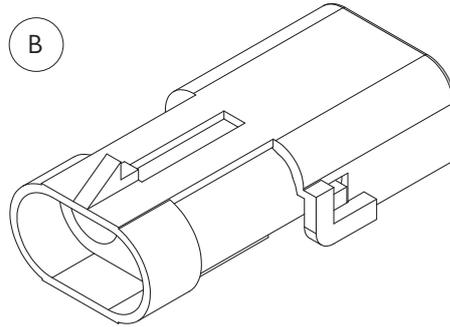
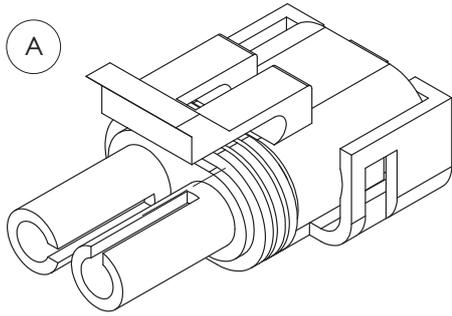
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5052820	Plug, 2 way, socket, DT series, Deutsch
2	GA5052825	Wedge Lock, 2 Way, sockets, DT series, Deutsch
3	GA5052830	Receptacle, 2 way, pins, DT series, Deutsch
4	GA5052835	Wedge Lock, 2 way, DT series, Deutsch
5	GA5011831	Plug, 3 way sockets, shrink boot adapter, Deutsch
6	GA5017719	Wedge lock, blue, 3 pin, suit terminator, Deutsch
7	GA5017721	Wedge lock, blue, 3 socket, Deutsch
8	GA5050740	Receptical, 3 pin, shrink boot, Deutsch
9	GA5050750	Wedge Lock, orange, 3 socket, Deutsch

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## Electrical Connectors - Deutsch

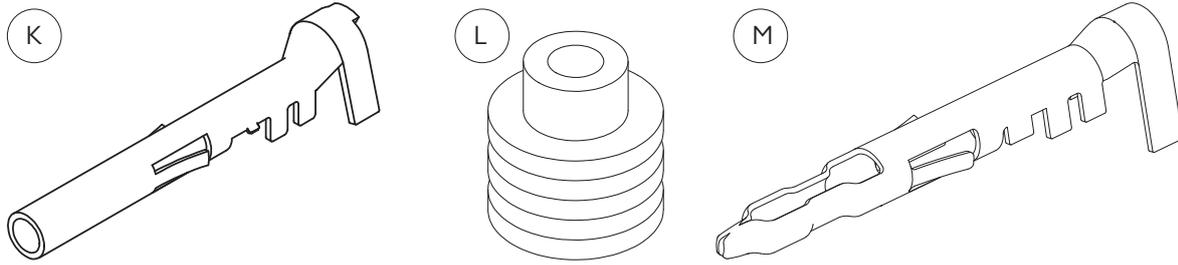
ITEM NO.	PART NUMBER	DESCRIPTION
10	GA5050760	Wedge Lock, Green, 3 pin, Deutsch
11	GA5050761	Wedge Lock, Green, 3 socket, Deutsch
12	GA5054350	Plug, grey, 120 ohm resistor terminator, Deutsch
13	GA5054365	Receptacle, 3 way 3 Pin, Y splitter, Deutsch
14	GA5050840	Plug, 4 way socket, DT series, Deutsch
15	GA5050845	Wedge Lock, orange, 4 way sockets, Deutsch
16	GA5050765	Wedge Lock, Green, 4 Way pins, Deutsch
17	GA5013783	Receptacle, 4 way, pins, DT series Deutsch
18	GA5050960	Plug, 6 way Socket, DT series, Deutsch
19	GA5050965	Wedge Lock, orange, 6 way sockets, DT series, Deutsch
20	GA5061780	Plug, 12 way sockets, DT series, Deutsch
21	GA5061785	Receptacle, 12 way suit pins, DT series, Deutsch
22	GA5070590	Wedge lock, green, 12 way suit pins, Deutsch
23	GA5070595	Wedge lock, Green, 12 way sockets, Deutsch
24	GA5061790	Receptacle, 31 pin, HPD series, Deutsch
25	GA5060440	Plug, 48 Pin suits Pins, DRB series, Deutsch
26	GA5060445	Wedge lock, 48 way suits Pins, DRB series, Deutsch
27	GA5060450	Flange connector, 48 way suits DRB series, Deutsch
28	GA5060455	Wedge lock, 48 way suit, Sockets, DRB series, Deutsch
29	GA5060460	Plug, 48 Pin suits Sockets, DRB series, Deutsch
30	GA5061170	Rubber boot, suit 48 pin DRB series, Deutsch
31	GA5061260	Pin, Male, Solid, nickel, Number 12, Deutsch
32	GA5061270	Socket, Female, Solid, Nickel, Number 12, Deutsch
33	GA5053235	Socket, Female, Nickel, number 14, Green Band, Deutsch
34	GA5061220	Pin, Male, Gold, Number 16, Deutsch
35	GA5061240	Pin, Male, solid, nickel, Number 16, Green band, AWG 14, Deutsch
36	GA5075255	Pin, Male, Nickel, Crimp style, Number 16, Deutsch
37	GA3000022	Socket, Female, Nickel, Crimp style, Number 16, Deutsch
38	GA5061225	Socket, Female, solid gold, number 16, Deutsch
39	GA5061230	Socket, Female, solid, Nickel, Number 16, Deutsch
40	GA5061235	Socket, solid gold, number 16, 16-20 AWG, Deutsch
41	GA5061200	Pin, Male, Solid, nickel, Number 20, Deutsch
42	GA5061205	Pin, Male, Solid, gold, Number 20, Deutsch
43	GA5061210	Socket, Female, Solid, nickel, Number 20, Deutsch
44	GA5061215	Socket, Female, Solid, gold, Number 20, Deutsch
45	GA5052840	Sealing plug, White, size 12 - 16, Deutsch

# Electrical Connectors - Weather Pack



Continued over page

## Electrical Connectors - Weather Pack



ITEM NO.	PART NUMBER	DESCRIPTION
-	GA5049685	Boot, Weather pack, Suit 2 pin connector
-	GA5049690	Boot, Weather pack, Suit 3 pin connector
A	GA5001351	Connector, Male, 2 Pin, Weather pack
B	GA5007381	Connector, 2 pin, Female, Weather pack
C	GA5002211	Connector, Male, 3 pin, Weather pack
D	GA5048550	Connector, Female, 3 Pin, Weather pack
E	GA5007385	Connector, Male, 4 pin, Weather pack
F	GA5007383	Connector, Female, 4 pin, Flat, Weather pack
G	GA5004009	Connector, Male, 6 pin, Weather pack
H	GA5048510	Connector, Female, 6 pin, Weather pack
I	GA5049000	Connector, Female, 4 pin, Square, Weather pack
J	GA5050805	Connector, Male, 4 pin, Square, Weather pack
K	GA5016619	Pin, Female, Sealed, Weather pack, Wire 1.0 - 2.0mm
L	GA5014857	Seal, Green, Weather pack connector, Wire from 2.03 - 2.85mm
M	GA5016617	Pin, Male, Sealed, Weather pack, Wire 1.0 - 2.0mm

## Electrical Connectors - Din Hirschmann



ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5048580	Din Hirschmann Connector K4L12 LED.
2	GA5010039	Din Hirschmann Connector Std Black suit CeTop 3

## Electrical Harnesses & Components

### RAVEN BASE SYSTEM

PART NUMBER	DESCRIPTION
GA3000361	Diode 4 Bank, Suit RCM Boom Harness, Raven
GA3000202	ISO Node, Rate control module, RCM, Goldacres, Raven
GA3000080	Electrical harness, Main chassis
GA3000078	Electrical harness, Main side console, Raven
GA3000075	Electrical Harness, Chassis, spray
GA3000072	Electrical harness, Claas Joystick aux functions, Raven side dash
GA3000083	Electrical harness, Claas seat power adaptor
GA5060066	Electrical harness, Tail light connection
GA3000073	Electrical Harness, Arens push button selector
GA3000081	Electrical harness, Engine monitor CAN
GA5060046	Electrical harness, Main cabin Claas
GA5060037	Electrical harness, Battery Lead Kit
GA5060042	Electrical harness, Power lead kit side console
GA3000086	Electrical Harness, Clarion Stereo Head Unit 15 Pin to ISO 16 Pin
GA5060061	Electrical Harness, Cooler Cabin Fridge
GA3000048	Electrical harness, Boom recirculation add in module suit Trimble
GA3000252	Electrical Harness, RCM, G6 Chassis
GA3000258	Electrical Harness, RCM, 16 section 3 Tier, Boom Center
GA3000264	Electrical Harness, RCM, 16 section 3 Tier, Breakout
GA3000205	Electrical Harness, Iso Terminator connection, suit RCM, Raven
GA3000259	Electrical Harness, Boom 36-48m, 16 Section , 2 Tier.
GA3000269	Electrical Harness, Boom Outer 36-48m, 16 Section , 2 Tier

### ISOBUS SYSTEM

PART NUMBER	DESCRIPTION
GA3000062	Electrical harness, Raven ISO to Trimble FMX/FM1000 display
GA3000138	Electrical harness, main ISO side console armrest
GA3000142	Electrical harness, Roof cable extension
GA8700070	Manual, Raven ISO product control
GA4905120	Job computer box / cover assembly

### JOHN DEERE SYSTEM

PART NUMBER	DESCRIPTION
GA3000141	Electrical harness, steering valve cable
GA3000147	Electrical harness, JD autotrack node
GA3000148	Electrical harness, JD Starfire roof adapter
GA3000156	Electrical harness, JD Greenstar cable
GA3000144	Sensor, Linear non contact, Steering, 250mm
GA3000145	Rose end, M10 suit GA3000144
GA3000146	Stud end, M10 suit GA3000144

## Electrical Harnesses & Components

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### NORAC SYSTEM

PART NUMBER	DESCRIPTION
GA3000129	Connector, Plug, UC5 Network, 6 Pin, Norac
GA3000130	Connector, Plug, UC5 Network, 2 Pin, Norac
GA3000116	Electrical Harness, UC5 Network, 1M, 14 AWG, Norac
GA3000117	Electrical Harness, UC5 Network, 10M, 14 AWG, Norac
GA3000120	Electrical Harness, UC5 Valve 2 pin DT, Norac
GA3000113	Controller module, UC5, CAN Bus, Norac
GA3000112	Controller module, UC5 Valve, Norac
GA3000111	Controller module, UC5 Input pass through, Norac
GA3000128	Ultrasonic sensor, UC5, Norac
GA3000123	Network Coupler, UC5, 2 way, Black, Norac
GA3000124	Network Coupler, UC5, 2 way, white, terminator, Norac
GA3000126	Network Coupler, UC5, 8 way, Norac
GA3500137	Hydraulic fitting kit, 12 parts, GNI, Norac

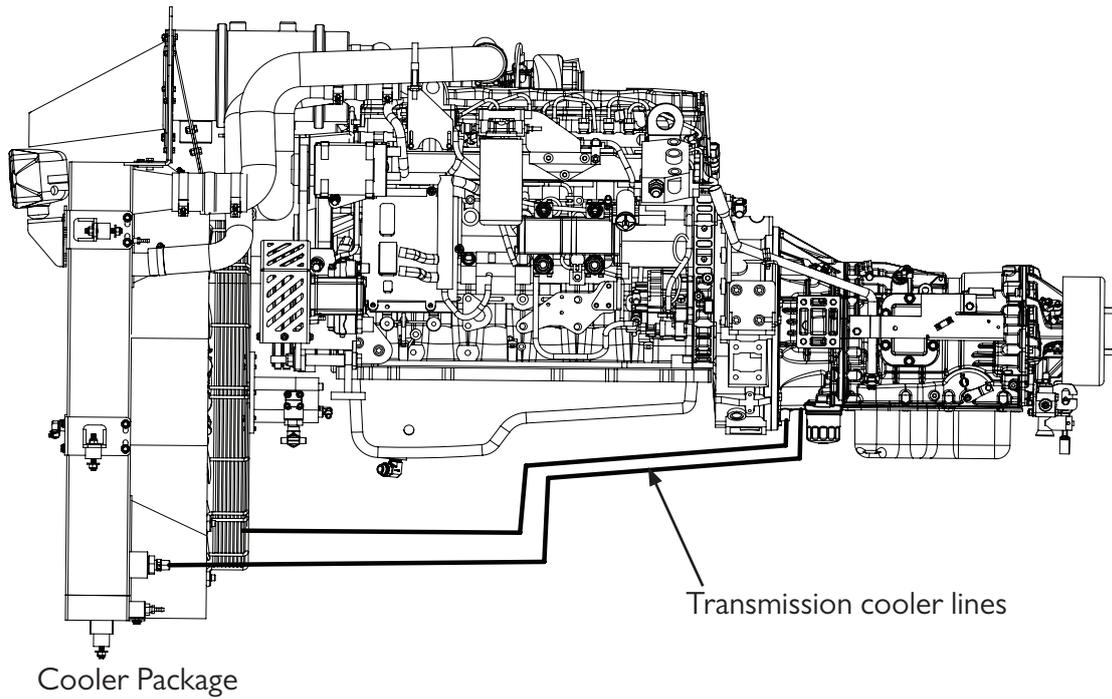
# Chapter 16

## SCHEMATICS

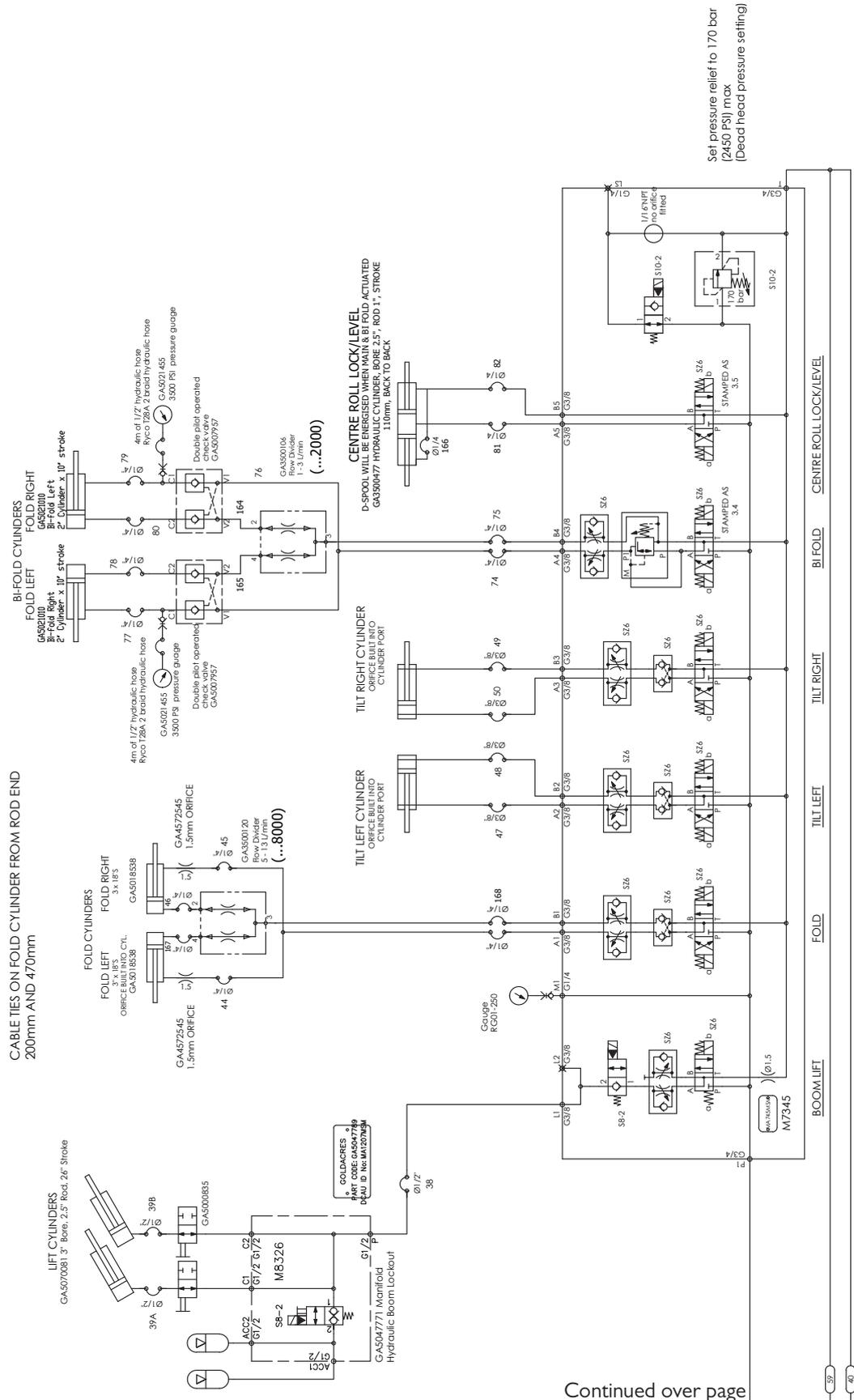
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### Hydraulic Schematic - Transmission

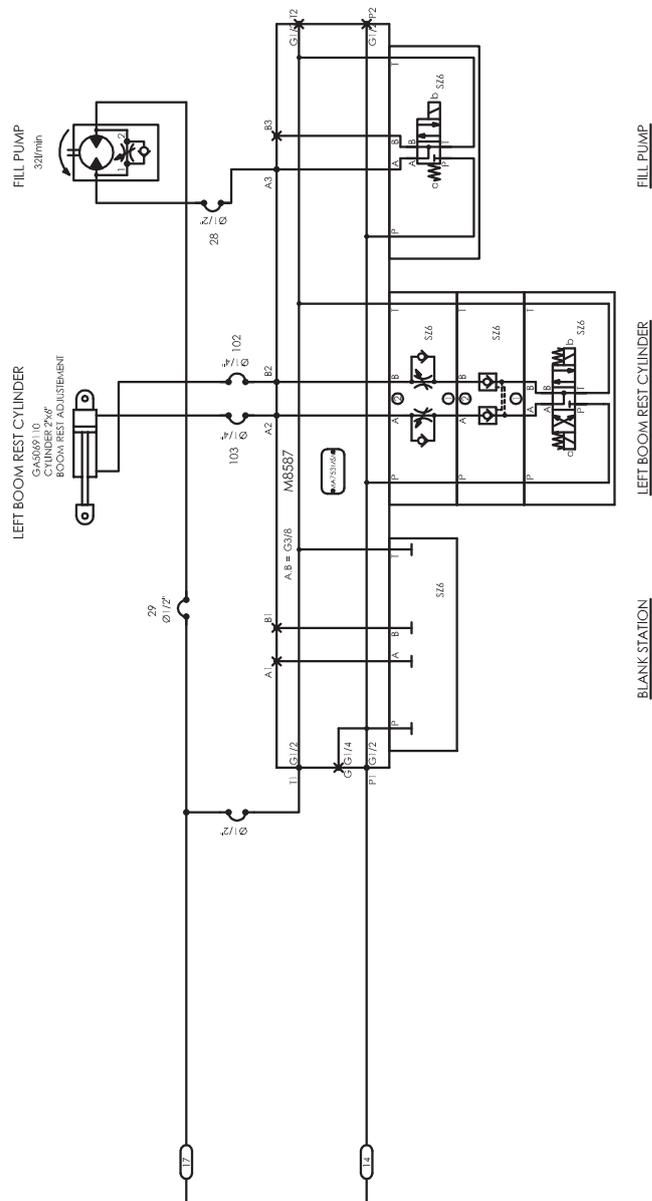
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# Hydraulic Schematic - 30-36m Booms



# Hydraulic Schematic - 30-36m Booms



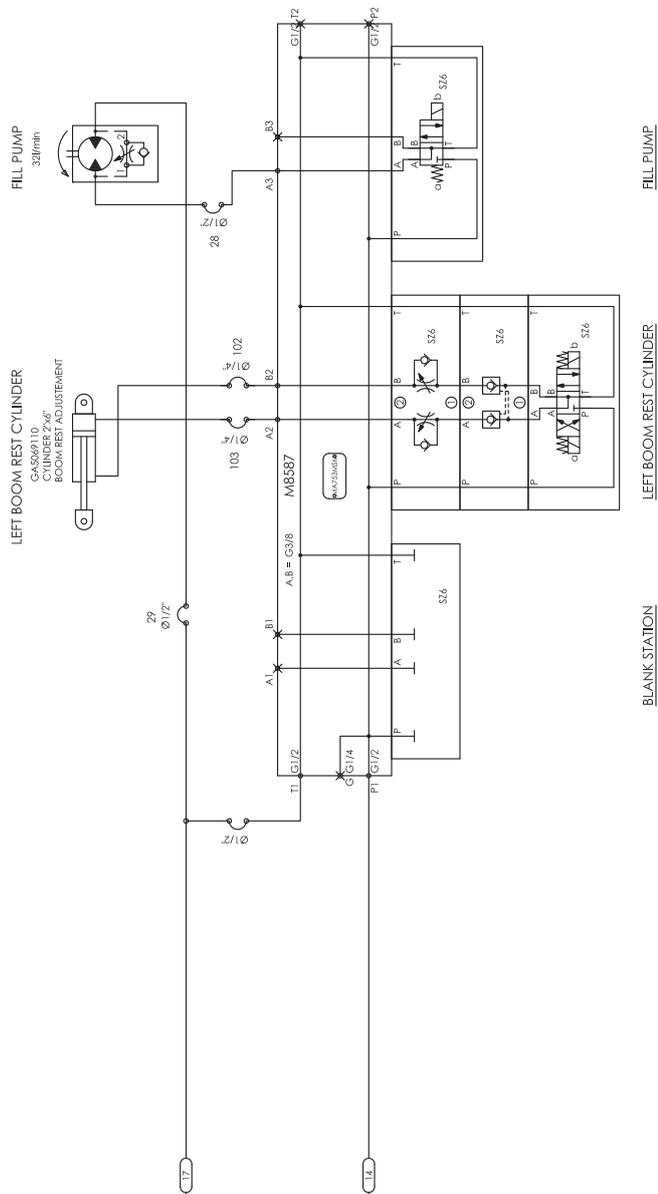
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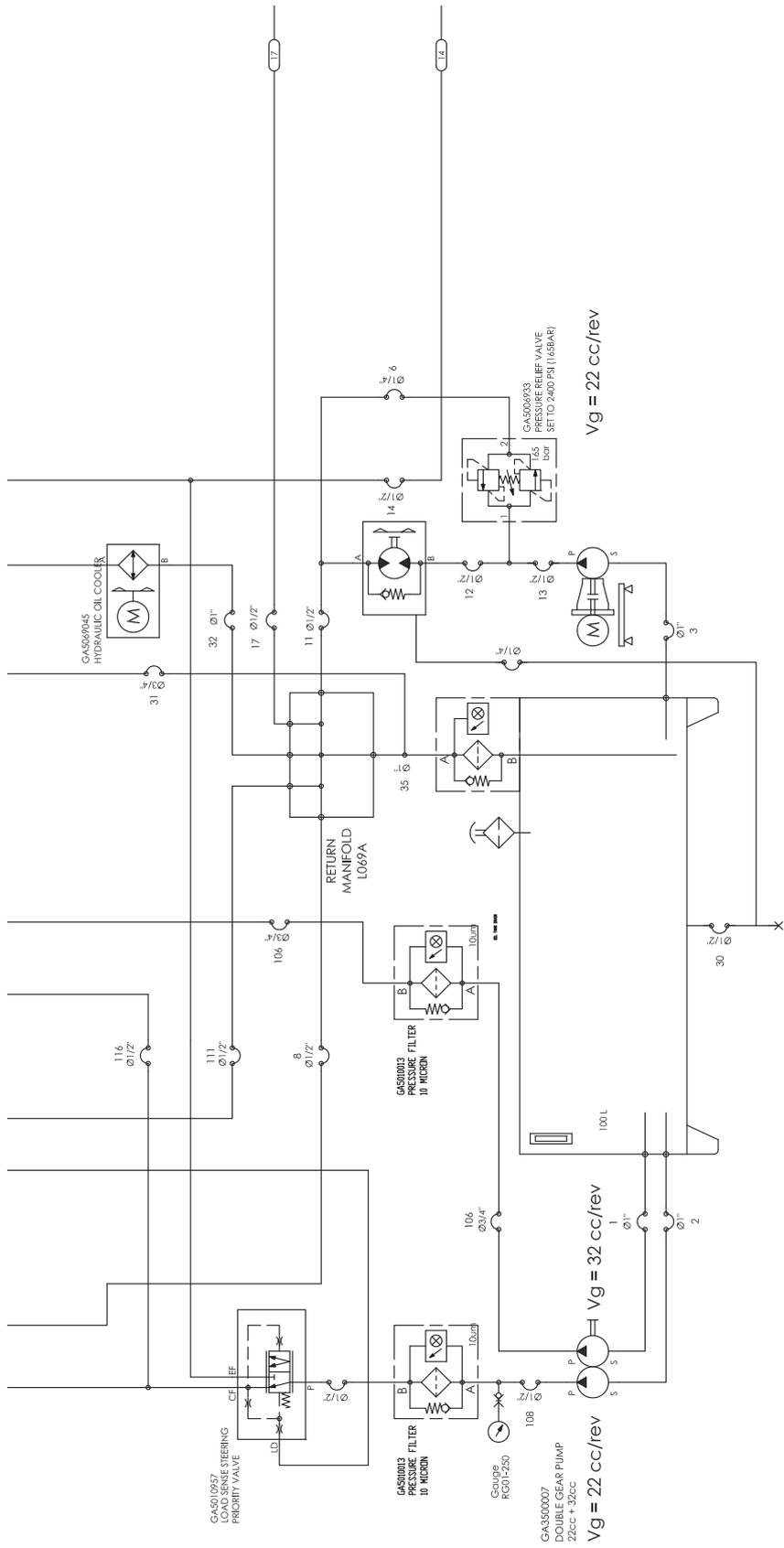


# Hydraulic Schematic - 42m Booms



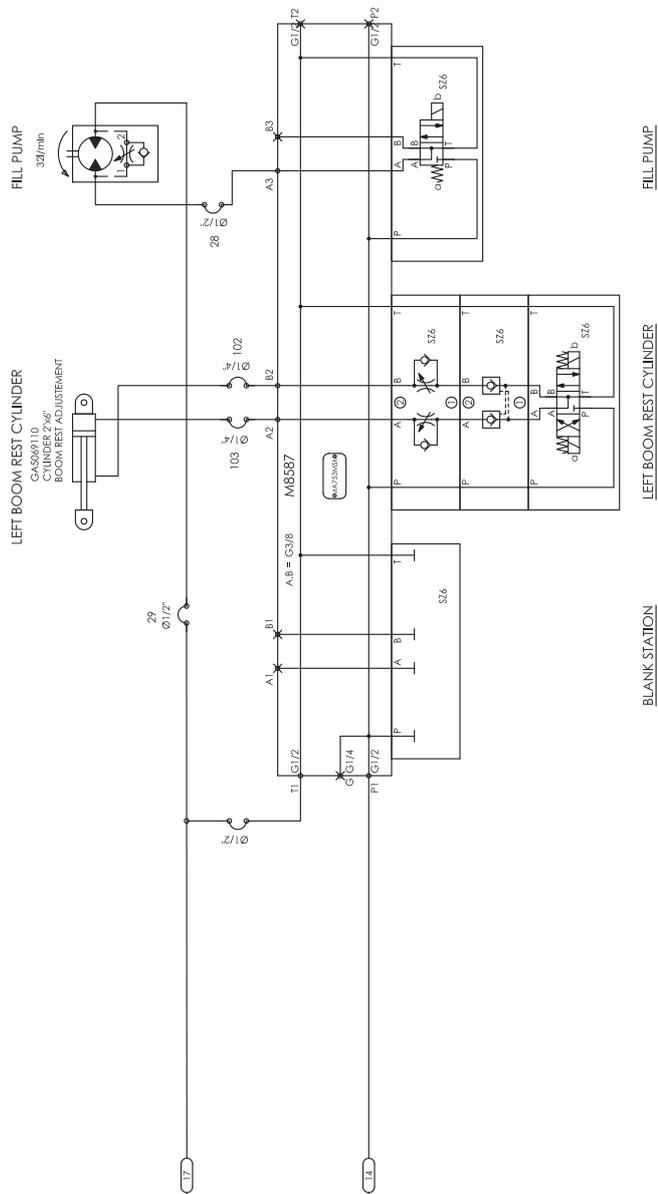


# Hydraulic Schematic - 42m Booms





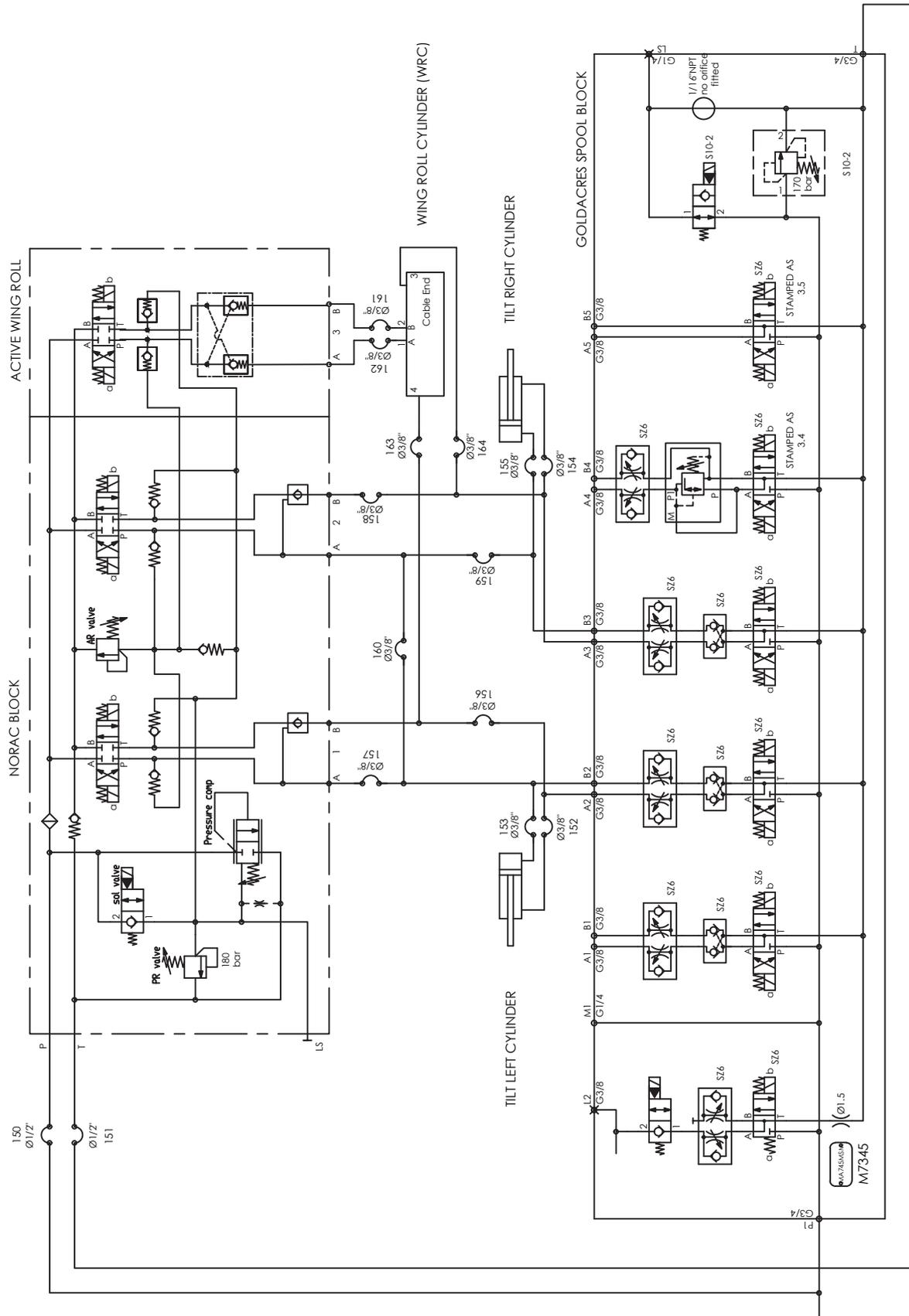
# Hydraulic Schematic - John Deere Steering



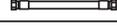
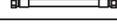
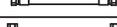
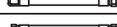




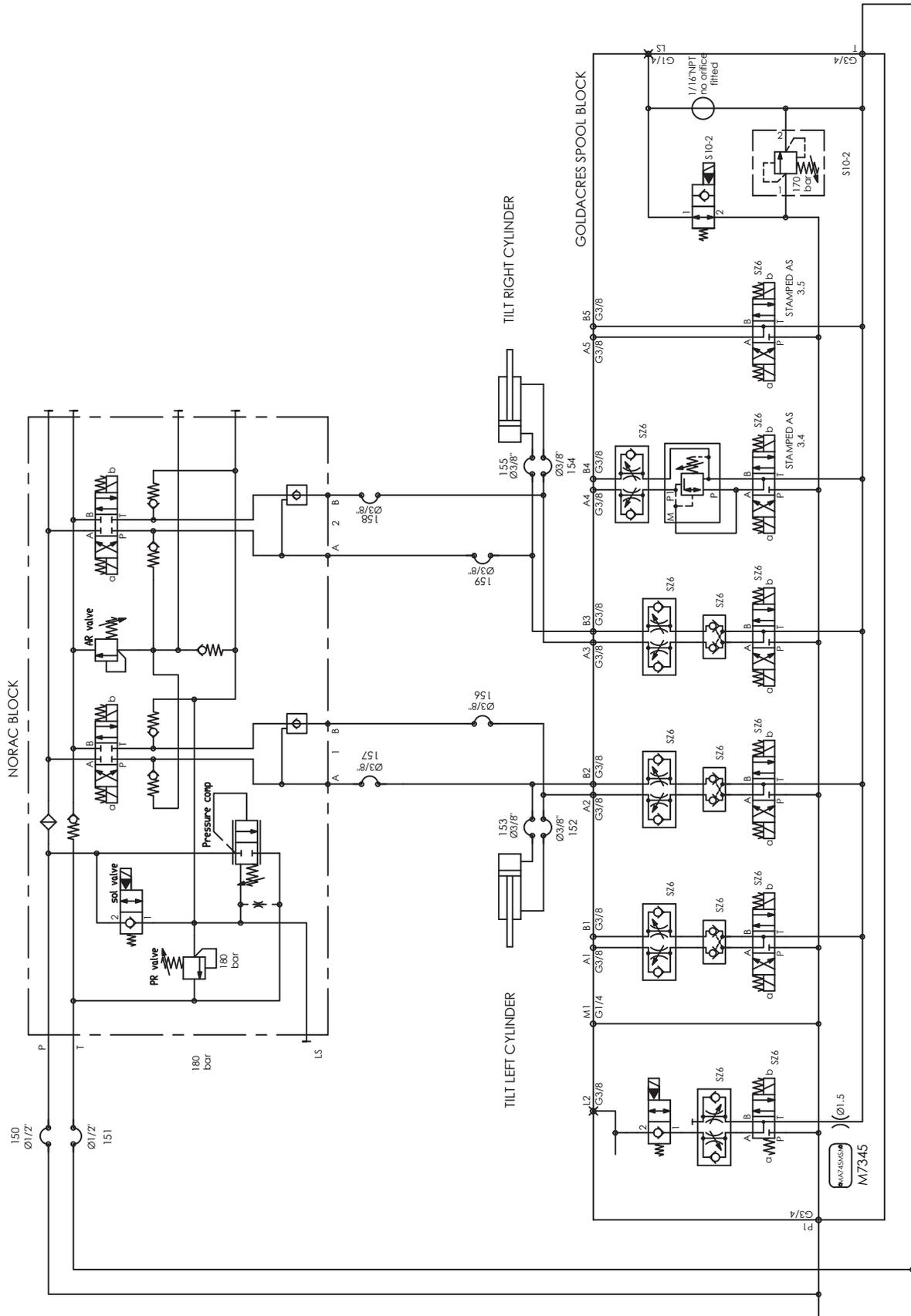
# Hydraulic Schematic - Norac Active



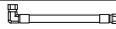
# Hydraulic Schematic - Norac Active - Hose List

GA3500649-REV00_HYDRAULIC HOSE KIT, G6, MY17, NORAC ACTIVE ROLL, KIT-14_30072					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA3500445	150	HYDRAULIC HOSE, PRESSURE TO NORAC BLOCK	1/2"		1R
GA3500446	151	HYDRAULIC HOSE, TANK TO NORAC BLOCK	1/2"		2R
GA3500447	152	HYDRAULIC HOSE, TILT CYLINDER LH ROD END	3/8"		1Y
GA3500448	153	HYDRAULIC HOSE, TILT CYLINDER LH BASE END	3/8"		2Y
GA3500449	154	HYDRAULIC HOSE, TILT CYLINDER RH ROD END	3/8"		1B
GA3500450	155	HYDRAULIC HOSE, TILT CYLINDER RH BASE END	3/8"		2B
GA3500451	156	HYDRAULIC HOSE, NORAC BLOCK, 1B TO SPOOL BLOCK LH A	3/8"		1B, 1R
GA3500452	157	HYDRAULIC HOSE, NORAC BLOCK, 1A TO SPOOL BLOCK LH B	3/8"		1B, 2R
GA3500453	158	HYDRAULIC HOSE, NORAC BLOCK, 2B TO SPOOL BLOCK RH A	3/8"		1Y, 1R
GA3500454	159	HYDRAULIC HOSE, NORAC BLOCK, 2A TO SPOOL BLOCK RH B	3/8"		1Y, 2R
GA3500455	160	HYDRAULIC HOSE, TILT CYLINDER BASE LINK	3/8"		1B, 3R
GA3500456	161	HYDRAULIC HOSE, NORAC BLOCK, 3B TO TOP OF WRC 2	3/8"		1Y, 1B
GA3500457	162	HYDRAULIC HOSE, NORAC BLOCK, 3A TO TOP OF WRC 1	3/8"		1Y, 2B
GA3500458	163	HYDRAULIC HOSE, LEFT END OF WRC TO LEFT A	3/8"		2Y, 1B
GA3500594	164	HYDRAULIC HOSE, RIGHT END OF WRC TO RIGHT A	3/8"		2Y, 2B

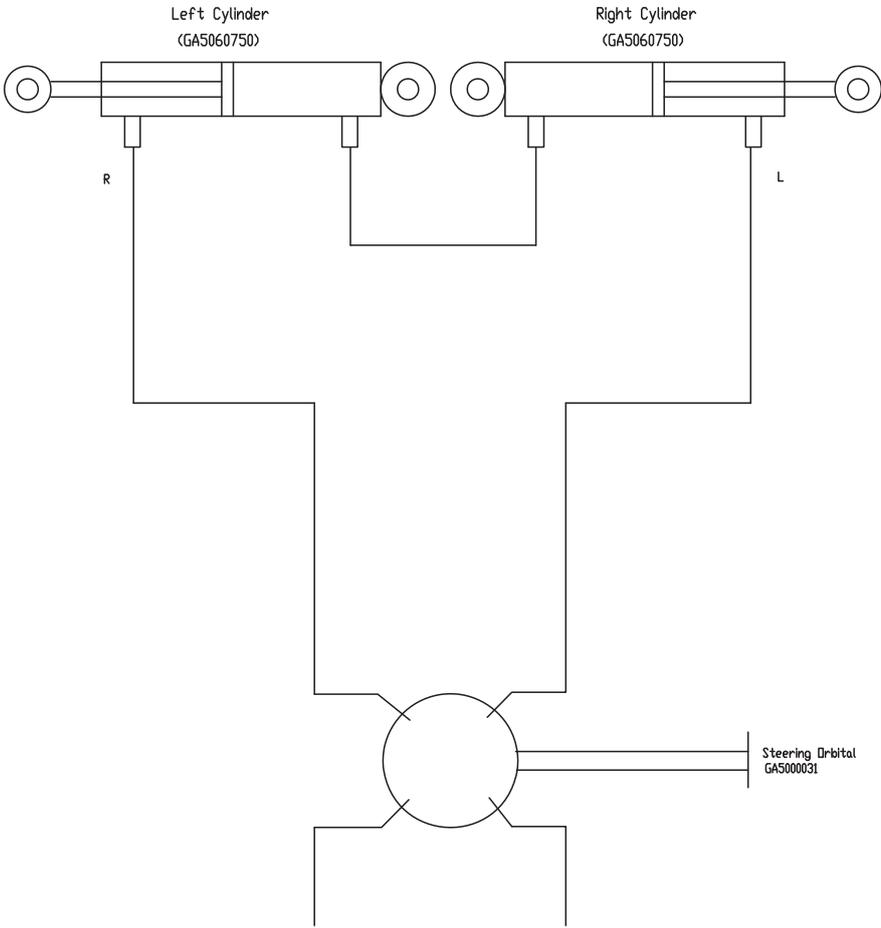
# Hydraulic Schematic - Norac Passive



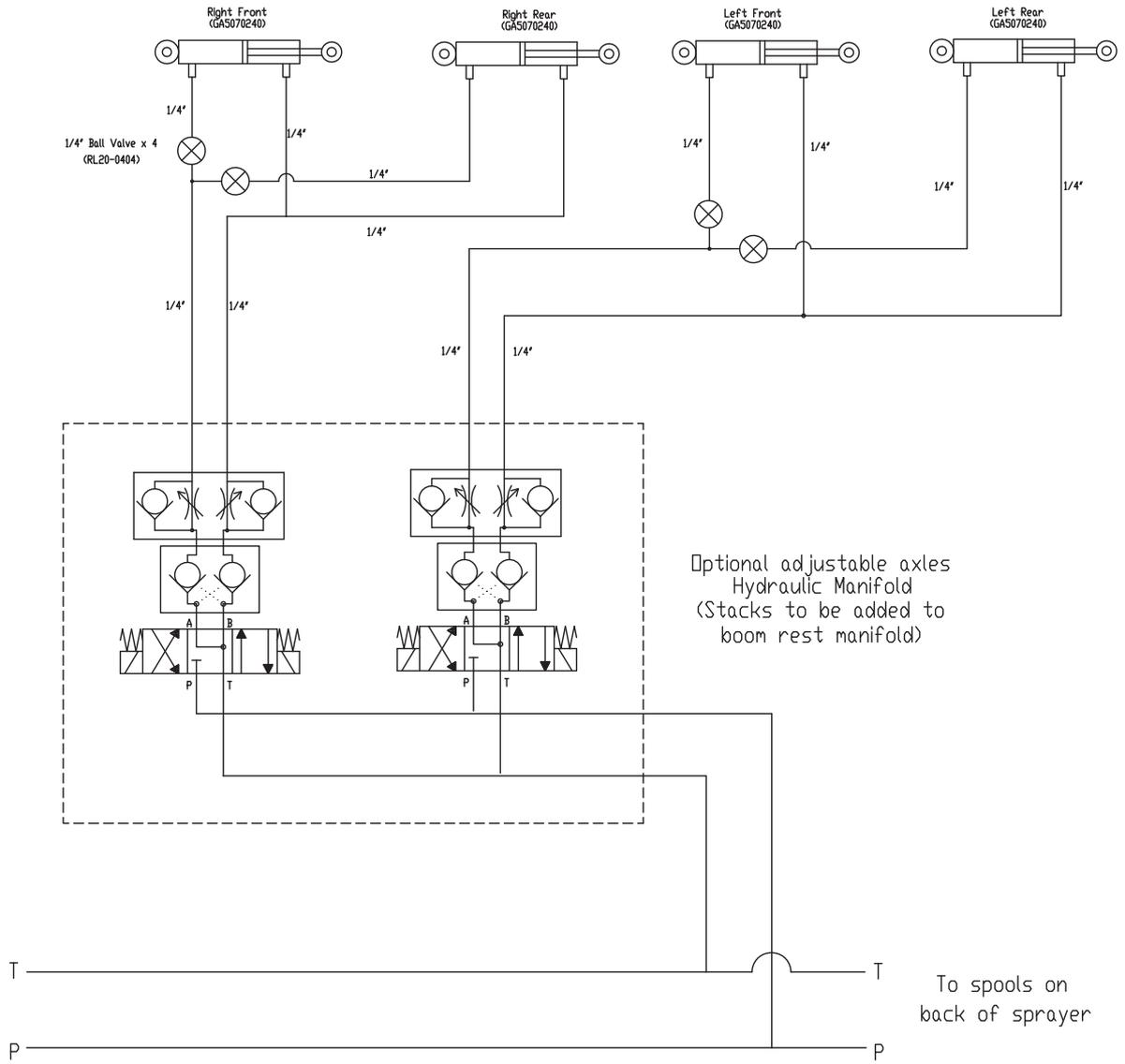
# Hydraulic Schematic - Norac Passive - Hose List

GA3500650-REV00_HYDRAULIC HOSE KIT, G6, MY17, NORAC PASSIVE ROLL, KIT-15_30071					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA3500445	150	HYDRAULIC HOSE, PRESSURE TO NORAC BLOCK	1/2"		1R
GA3500446	151	HYDRAULIC HOSE, TANK TO NORAC BLOCK	1/2"		2R
GA3500447	152	HYDRAULIC HOSE, TILT CYLINDER LH ROD END	3/8"		1Y
GA3500448	153	HYDRAULIC HOSE, TILT CYLINDER LH BASE END	3/8"		2Y
GA3500449	154	HYDRAULIC HOSE, TILT CYLINDER RH ROD END	3/8"		1B
GA3500450	155	HYDRAULIC HOSE, TILT CYLINDER RH BASE END	3/8"		2B
GA3500451	156	HYDRAULIC HOSE, NORAC BLOCK, 1B TO SPOOL BLOCK LH A	3/8"		1B, 1R
GA3500452	157	HYDRAULIC HOSE, NORAC BLOCK, 1A TO SPOOL BLOCK LH B	3/8"		1B, 2R
GA3500453	158	HYDRAULIC HOSE, NORAC BLOCK, 2B TO SPOOL BLOCK RH A	3/8"		1Y, 1R
GA3500454	159	HYDRAULIC HOSE, NORAC BLOCK, 2A TO SPOOL BLOCK RH B	3/8"		1Y, 2R

# Hydraulic Schematic - Adjustable Axle Steering



# Hydraulic Schematic - Adjustable Axles



# Hydraulic Hoses - Crop Cruiser

GA3500638-REV00_HYDRAULIC HOSE KIT, G6, MY17, STAGE 2, KIT-01					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA3500112	5	HYDRAULIC HOSE, FAN MOTOR CASE DRAIN	1/4"		
GA3500113	6	HYDRAULIC HOSE, FAN MOTOR RELIEF TO DRAIN	1/4"		
GA4905083	102	HYDRAULIC HOSE, BOOM REST LEFT TO SUB BLOCK	1/4"		
GA4905084	103	HYDRAULIC HOSE, BOOM REST LEFT TO SUB BLOCK	1/4"		
GA4904955	11	HYDRAULIC HOSE, FAN MOTOR TO RETURN MANIFOLD	1/2"		
GA3500114	12	HYDRAULIC HOSE, RELIEF VALVE TO FAN MOTOR PRESSURE	1/2"		
GA3500117	13	HYDRAULIC HOSE, FAN PUMP PRESSURE TO RELIEF VALVE	1/2"		
GA4904970	14	HYDRAULIC HOSE, SUB MANIFOLD TO RETURN MANIFOLD	1/2"		270'
GA4904985	17	HYDRAULIC HOSE, PRESSURE TO SUB MANIFOLD	1/2"		
GA4904990	18	HYDRAULIC HOSE, TRANSMISSION TO TRANS COOLER	1/2"		
GA4904995	19	HYDRAULIC HOSE, TRANSMISSION TO TRANS COOLER	1/2"		
GA4908095	20	HYDRAULIC HOSE, HYDRAULIC HOSE, SUMP, DRAIN, ENGINE	1/2"		
GA4905005	21	HYDRAULIC HOSE, SPEED CONTROL, R TO DIAPHRAM PUMP	1/2"		
GA4905050	30	HYDRAULIC HOSE, OIL TANK DRAIN	1/2"		
GA3500085	108	HYDRAULIC HOSE, 22cc PUMP TO PRESSURE FILTER	1/2"		
GA4905055	31	HYDRAULIC HOSE, SPEED CONTROL TO RETURN FILTER	3/4"		
GA3500083	106	HYDRAULIC HOSE, 32CC PUMP TO PRESSURE FILTER	3/4"		
GA3500084	107	HYDRAULIC HOSE, DIAPHRAM PUMP TO RETURN TEE (T)	3/4"		
GA3500101	1	HYDRAULIC HOSE, 1" SUCTION, MIDDLE PORT TO 32cc	1"		0'
GA3500102	2	HYDRAULIC HOSE, 1" SUCTION, FRONT PORT TO 22cc	1"		0'
GA3500103	3	HYDRAULIC HOSE, 1" SUCTION, REAR PORT TO FAN PUMP	1"		
GA4905060	32	HYDRAULIC HOSE, OIL COOLER TO RETURN MANIFOLD	1"		
GA4905075	35	HYDRAULIC HOSE, TANK RETURN TO RETURN MANIFOLD	1"		

GA3500639-REV00_HYDRAULIC HOSE KIT, G6, MY17, STAGE 3, KIT-02					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA4904930	7	HYDRAULIC HOSE, PRIORITY VALVE TO ORBITAL	1/2"		
GA4904935	8	HYDRAULIC HOSE, STEERING ORBITAL TO RETURN MANIFOLD	1/2"		
GA5067277	37	HYDRAULIC HOSE, PRESSURE TO SPOOL VALVES	1/2"		
GA4905076	38	HYDRAULIC HOSE, SPOOL VALVE TO ACCUMULATOR	1/2"		
GA4905077	39A	HYDRAULIC HOSE, ACCUMULATOR TO LIFT CYLINDER	1/2"		
GA4905078	39B	HYDRAULIC HOSE, ACCUMULATOR TO LIFT CYLINDER	1/2"		1B
GA5067281	40	HYDRAULIC HOSE, RETURN HOSE FROM SPOOL VALVE	3/4"		

GA3500640-REV01_HYDRAULIC HOSE KIT, G6, MY17, CENTRE SECTION, KIT-03					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
CENTRE					
GA3500570	81	HYDRAULIC HOSE, SPOOL BLOCK A, CYLINDER CENTRE PORT	1/4"		1Y
GA4905082	82	HYDRAULIC HOSE, SPOOL BLOCK B, CYLINDER ROD END	1/4"		
GA3500571	166	HYDRAULIC HOSE, LINK HOSE	1/4"		
TIL					
GA3500447	47	HYDRAULIC HOSE, LEFT TILT 1, TILT CYLINDER LH ROD END	3/8"		1Y
GA3500448	48	HYDRAULIC HOSE, LEFT TILT 2, TILT CYLINDER LH BASE END	3/8"		2Y
GA3500449	49	HYDRAULIC HOSE, RIGHT TILT 1, TILT CYLINDER RH ROD END	3/8"		1B
GA3500450	50	HYDRAULIC HOSE, RIGHT TILT 2, TILT CYLINDER RH BASE END	3/8"		2B
YA					
GA5067285	51	HYDRAULIC HOSE, YAW HOSE 1	1/4"		1Y
GA5067133	52	HYDRAULIC HOSE, YAW HOSE 2	1/4"		2Y
GA5067134	53	HYDRAULIC HOSE, YAW HOSE 3	1/4"		1B
GA5067132	54	HYDRAULIC HOSE, YAW HOSE 4	1/4"		2B
GA4903200	55	HYDRAULIC HOSE, YAW HOSE 5	1/4"		1R
GA5067136	56	HYDRAULIC HOSE, YAW HOSE 6	1/4"		
GA5067137	57	HYDRAULIC HOSE, YAW HOSE 7	1/4"		
GA3500116	59	HYDRAULIC HOSE, TANK TO YAW BLOCK	1/4"		2B, 2R

GA3500115-REV00_G6, MY17, YAW HOSE WITHOUT BOOM HEIGHT CONTROL (NORAC)					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA3500115	58	HYDRAULIC HOSE, PRESSURE TO YAW BLOCK	1/4"		2B, 1R

GA3500623-REV00_G6, MY17, YAW HOSES WITH BOOM HEIGHT CONTROL (NORAC)_30071 OR 30072					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA3500623	58B	HYDRAULIC HOSE, PRESSURE TO YAW BLOCK	1/4"		2B, 1R

GA3500641-REV00_HYDRAULIC HOSE KIT, G6, MY17, 30 TO 36m BOOMS, KIT-04_10174, 10177, 10180					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
Fold Hoses					
GA3500572	44	HYDRAULIC HOSE, SPOOL BLOCK A, RIGHT FOLD CYLINDER ROD END	1/4"		1R
GA3500573	45	HYDRAULIC HOSE, SPOOL BLOCK A, LEFT FOLD CYLINDER ROD END	1/4"		2R
GA3500574	46	HYDRAULIC HOSE, FLOW DIVIDER 2, RIGHT FOLD CYLINDER BASE END	1/4"		3R
GA3500575	167	HYDRAULIC HOSE, FLOW DIVIDER 4, LEFT FOLD CYLINDER BASE END	1/4"		4R
GA3500576	168	HYDRAULIC HOSE, SPOOL BLOCK B, FLOW DIVIDER 3, FOLD CYLINDERS	1/4"		1B

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# Hydraulic Hoses - Crop Cruiser

GA3500642-REV00_HYD. HOSE KIT, G6, MY17, 42m BOOMS AND 36m BOOMS WITH 42m INNERS, KIT-05_10188					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
DUAL FOLD CYLINDERS					
GA5067131	169	HYDRAULIC HOSE, FOLD LINK HOSE	1/4"		
GA5067131	169	HYDRAULIC HOSE, FOLD LINK HOSE	1/4"		
GA3500016	170	HYDRAULIC HOSE, SPOOL PORT A, DOUBLE PILOT CHECK VALVE PORT V1	1/4"		1B, 1Y, 1R
GA3500017	171	HYDRAULIC HOSE, SPOOL PORT B, DOUBLE PILOT CHECK VALVE PORT V2	1/4"		2B, 1Y, 1R
GA3500624	172	HYD HOSE, DOUBLE PILOT CHECK VALVE PORT C2 TO MAIN FOLD FLOW DIVIDER PORT 3	1/4"		1Y
GA3500625	173	HYD HOSE, DOUBLE PILOT CHECK VALVE PORT C1 TO LH INSIDE CYLINDER BASE END	1/4"		1R
GA3500626	174	HYD HOSE, DOUBLE PILOT CHECK VALVE PORT C1 TO RH INSIDE CYLINDER BASE END	1/4"		2R
GA3500627	175	HYD HOSE, DOUBLE PILOT CHECK VALVE PORT C2 TO LH INSIDE CYLINDER ROD END	1/4"		1B
GA3500628	176	HYD HOSE, DOUBLE PILOT CHECK VALVE PORT C2 TO RH INSIDE CYLINDER ROD END	1/4"		2B
GA3500629	177	HYD HOSE, DOUBLE PILOT CHECK VALVE PORT C1 TO RH OUTSIDE CYLINDER ROD END	1/4"		2Y
GA3500630	178	HYD HOSE, DOUBLE PILOT CHECK VALVE PORT C1 TO LH OUTSIDE CYLINDER ROD END	1/4"		3Y
GA3500631	179	HYD HOSE, MAIN FOLD FLOW DIVIDER PORT 4 TO LH OUTSIDE CYLINDER BASE END	1/4"		1R, 1Y
GA3500632	180	HYD HOSE, MAIN FOLD FLOW DIVIDER PORT 2 TO RH OUTSIDE CYLINDER BASE END	1/4"		2R, 1Y

HYDRAULIC HOSE KIT, G6, MY17, BIFOLD, KITS					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA3500643-REV00_HYDRAULIC HOSE KIT, G6, MY17, BIFOLD, CHASSIS, KIT-06_30080					
GA5067274	70	HYDRAULIC HOSE, BI FOLD HOSE	1/4"		
GA5067273	71	HYDRAULIC HOSE, BI FOLD HOSE	1/4"		1B
GA5067272	72	HYDRAULIC HOSE, BIFOLD RIGHT HAND GAUGE	1/2"		1B
GA5067272	73	HYDRAULIC HOSE, BIFOLD LEFT HAND GAUGE	1/2"		
GA3500651-REV00_HYDRAULIC HOSE KIT, G6, MY17, BIFOLD, HYDRAULICS, KIT-07_30080					
GA3500566	74	HYDRAULIC HOSE, SPOOL VALVE A, DOUBLE PILOT CHECK VALVE V1	1/4"		1B, 1Y
GA3500567	75	HYDRAULIC HOSE, SPOOL VALVE B, FLOW DIVIDER 3, BI-FOLD	1/4"		2B, 1Y
GA5067131	76	HYDRAULIC HOSE, BI-FOLD LINK HOSE	1/4"		
GA3500568	164	HYDRAULIC HOSE, FLOW DIVIDER 2, FRONT DOUBLE PILOT CHECK VALVE V2, BI-FOLD	1/4"		1B, 1R
GA3500569	165	HYDRAULIC HOSE, FLOW DIVIDER 4, BACK DOUBLE PILOT CHECK VALVE V2, BI-FOLD	1/4"		2B, 1R
GA3500652-REV00_HYDRAULIC HOSE KIT, G6, MY17, BIFOLD, BOOMS, KIT-08_30080					
GA3500634	77	HYDRAULIC HOSE, BI-FOLD RV1	1/4"		1Y
GA3500635	78	HYDRAULIC HOSE, BI-FOLD RV2	1/4"		2Y
GA3500636	79	HYDRAULIC HOSE, BI-FOLD LV1	1/4"		1B
GA3500637	80	HYDRAULIC HOSE, BI-FOLD LV2	1/4"		2B

GA3500644-REV00_HYDRAULIC HOSE KIT, G6, MY17, 2WD, 3m AXLES, STAGE 3, KIT-09_40084					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA4904950	9B	HYDRAULIC HOSE, ORBITAL TO STEERING CYLINDER, 2WD 3M AXLE	1/2"		
GA4904945	10	HYDRAULIC HOSE, ORBITAL TO STEERING CYLINDER, 2 AND 4WD	1/2"		

GA3500645-REV00_HYDRAULIC HOSE KIT, G6, MY17, 4WD, STAGE 3, KIT-10_40086					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA4904940	9A	HYDRAULIC HOSE, ORBITAL TO STEERING CYLINDER, 4WD	1/2"		
GA4904945	10	HYDRAULIC HOSE, ORBITAL TO STEERING CYLINDER, 2 AND 4WD	1/2"		

GA4904915-REV00_G6, MY17, NO AUTO STEER OPTIONED_60101					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA4904915	4	HYDRAULIC HOSE, LOAD SENSE PRIORITY VALVE TO ORBITAL	1/4"		

GA3500646-REV00_HYDRAULIC HOSE KIT, G6, MY17, TRIMBLE AUTO STEER, STAGE 3, KIT-11_60100					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA4904885	114	HYDRAULIC HOSE, STEERING ORBITAL TO BLOCK	1/4"		
GA4904890	115	HYDRAULIC HOSE, PRIORITY VALVE TO BLOCK	1/4"		
GA4904865	110	HYDRAULIC HOSE, PRESSURE HOSE	1/2"		90°
GA4904870	111	HYDRAULIC HOSE, RETURN HOSE	1/2"		0°
GA4904875	112	HYDRAULIC HOSE, LEFT TO A ON BLOCK	1/2"		
GA4904880	113	HYDRAULIC HOSE, RIGHT TO B ON BLOCK	1/2"		
GA3500633	116	HYDRAULIC HOSE, BLOCK TO RELIEF VALVE	1/2"		

GA3500647-REV00_HYDRAULIC HOSE KIT, G6, MY17, JOHN DEERE AUTO STEER, STAGE 3, KIT-12_60110					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA5067969	121	HYDRAULIC HOSE, STEERING ORBITAL TO BLOCK	1/4"		
GA5067970	122	HYDRAULIC HOSE, PRIORITY VALVE TO BLOCK	1/4"		
GA5067965	117	HYDRAULIC HOSE, PRESSURE HOSE	1/2"		90°
GA5067966	118	HYDRAULIC HOSE, RETURN HOSE	1/2"		0°
GA5067967	119	HYDRAULIC HOSE, LEFT TO A ON BLOCK	1/2"		
GA5067968	120	HYDRAULIC HOSE, RIGHT TO B ON BLOCK	1/2"		
GA5067971	123	HYDRAULIC HOSE, BLOCK TO RELIEF VALVE	1/2"		

GA3500648-REV00_HYDRAULIC HOSE KIT, G6, MY17, 3" FILL PUMP, KIT-13_50055					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPE	ORIENTATION	ZIP TIE BOTH ENDS
GA4905040	28	HYDRAULIC HOSE, SUB MANIFOLD TO BANJO PUMP PRESS	1/2"		
GA4905045	29	HYDRAULIC HOSE, SUB MANIFOLD TO BANJO PUMP RETURN	1/2"		

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# Hydraulic Hoses - Crop Cruiser

G6 - 2WD, 2m AXLE, STAGE 3_40087					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPER	ORIENTATION	ZIP TIE BOTH ENDS
GA4905019	9C	HYDRAULIC HOSE, ORBITAL TO STEERING CYLINDER, 2WD, 2M AXLE	1/2"		

PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPER	ORIENTATION	ZIP TIE BOTH ENDS
ADJUSTABLE AXLE HOSES - 1 BLUE = ROD END - 1 RED = SOLID END - TO TAP					
GA4906480	83	HYDRAULIC HOSE, REAR AXLE - LEFT HAND SIDE	1/4"		1R
GA4906481	84	HYDRAULIC HOSE, REAR AXLE - LEFT HAND SIDE	1/4"		1B
GA4906482	85	HYDRAULIC HOSE, REAR AXLE - RIGHT HAND SIDE	1/4"		1R
GA4906483	86	HYDRAULIC HOSE, REAR AXLE - RIGHT HAND SIDE	1/4"		1B
ADJUSTABLE AXLE HOSES - 1 BLUE = ROD END - 1 RED = SOLID END - TO TAP					
GA4906484	87	HYDRAULIC HOSE, FRONT AXLE - LEFT HAND SIDE	1/4"		1R
GA4906485	88	HYDRAULIC HOSE, FRONT AXLE - LEFT HAND SIDE	1/4"		1B
GA4906486	89	HYDRAULIC HOSE, FRONT AXLE - RIGHT HAND SIDE	1/4"		1R
GA4906487	90	HYDRAULIC HOSE, FRONT AXLE - RIGHT HAND SIDE	1/4"		1B
ADJUSTABLE AXLE HOSES - 1 BLUE = ROD END - 1 RED = SOLID END - TO TAP					
GA4906488	91	HYDRAULIC HOSE, FRONT AXLE TO A ON SUB MANIFOLD	1/4"		1R
GA4906489	92	HYDRAULIC HOSE, FRONT AXLE TO B ON SUB MANIFOLD	1/4"		1B
GA4906490	93	HYDRAULIC HOSE, REAR AXLE TO A ON SUB MANIFOLD	1/4"		1R
GA4906491	94	HYDRAULIC HOSE, REAR AXLE TO B ON SUB MANIFOLD	1/4"		1B
ADJUSTABLE AXLE HOSES - STEERING					
GA4906492	95	HYDRAULIC HOSE, STEERING RIGHT HAND SIDE	1/2"		0°
GA4906493	96	HYDRAULIC HOSE, STEERING RIGHT HAND SIDE	1/2"		0°
GA4906494	97	HYDRAULIC HOSE, STEERING LEFT HAND SIDE	1/2"		0°
GA4906495	98	HYDRAULIC HOSE, STEERING LEFT HAND SIDE	1/2"		0°
GA4906496	99	HYDRAULIC HOSE, CROSSOVER HOSE	1/2"		
GA4906497	100	HYDRAULIC HOSE, ORBITAL L TO LEFT	1/2"		
GA4906498	101	HYDRAULIC HOSE, ORBITAL R TO RIGHT	1/2"		

GA3500649-REV00_HYDRAULIC HOSE KIT, G6, MY17, NORAC ACTIVE ROLL, KIT-14_30072					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPER	ORIENTATION	ZIP TIE BOTH ENDS
GA3500445	150	HYDRAULIC HOSE, PRESSURE TO NORAC BLOCK	1/2"		1R
GA3500446	151	HYDRAULIC HOSE, TANK TO NORAC BLOCK	1/2"		2R
GA3500447	152	HYDRAULIC HOSE, TILT CYLINDER LH ROD END	3/8"		1Y
GA3500448	153	HYDRAULIC HOSE, TILT CYLINDER LH BASE END	3/8"		2Y
GA3500449	154	HYDRAULIC HOSE, TILT CYLINDER RH ROD END	3/8"		1B
GA3500450	155	HYDRAULIC HOSE, TILT CYLINDER RH BASE END	3/8"		2B
GA3500451	156	HYDRAULIC HOSE, NORAC BLOCK, 1B TO SPOOL BLOCK LH A	3/8"		1B, 1R
GA3500452	157	HYDRAULIC HOSE, NORAC BLOCK, 1A TO SPOOL BLOCK LH B	3/8"		1B, 2R
GA3500453	158	HYDRAULIC HOSE, NORAC BLOCK, 2B TO SPOOL BLOCK RH A	3/8"		1Y, 1R
GA3500454	159	HYDRAULIC HOSE, NORAC BLOCK, 2A TO SPOOL BLOCK RH B	3/8"		1Y, 2R
GA3500455	160	HYDRAULIC HOSE, TILT CYLINDER BASE LINK	3/8"		1B, 3R
GA3500456	161	HYDRAULIC HOSE, NORAC BLOCK, 3B TO TOP OF WRC 2	3/8"		1Y, 1B
GA3500457	162	HYDRAULIC HOSE, NORAC BLOCK, 3A TO TOP OF WRC 1	3/8"		1Y, 2B
GA3500458	163	HYDRAULIC HOSE, LEFT END OF WRC TO LEFT A	3/8"		2Y, 1B
GA3500594	164	HYDRAULIC HOSE, RIGHT END OF WRC TO RIGHT A	3/8"		2Y, 2B

GA3500650-REV00_HYDRAULIC HOSE KIT, G6, MY17, NORAC PASSIVE ROLL, KIT-15_30071					
PART No	HOSE No	DESCRIPTION	HOSE SIZE/TYPER	ORIENTATION	ZIP TIE BOTH ENDS
GA3500445	150	HYDRAULIC HOSE, PRESSURE TO NORAC BLOCK	1/2"		1R
GA3500446	151	HYDRAULIC HOSE, TANK TO NORAC BLOCK	1/2"		2R
GA3500447	152	HYDRAULIC HOSE, TILT CYLINDER LH ROD END	3/8"		1Y
GA3500448	153	HYDRAULIC HOSE, TILT CYLINDER LH BASE END	3/8"		2Y
GA3500449	154	HYDRAULIC HOSE, TILT CYLINDER RH ROD END	3/8"		1B
GA3500450	155	HYDRAULIC HOSE, TILT CYLINDER RH BASE END	3/8"		2B
GA3500451	156	HYDRAULIC HOSE, NORAC BLOCK, 1B TO SPOOL BLOCK LH A	3/8"		1B, 1R
GA3500452	157	HYDRAULIC HOSE, NORAC BLOCK, 1A TO SPOOL BLOCK LH B	3/8"		1B, 2R
GA3500453	158	HYDRAULIC HOSE, NORAC BLOCK, 2B TO SPOOL BLOCK RH A	3/8"		1Y, 1R
GA3500454	159	HYDRAULIC HOSE, NORAC BLOCK, 2A TO SPOOL BLOCK RH B	3/8"		1Y, 2R

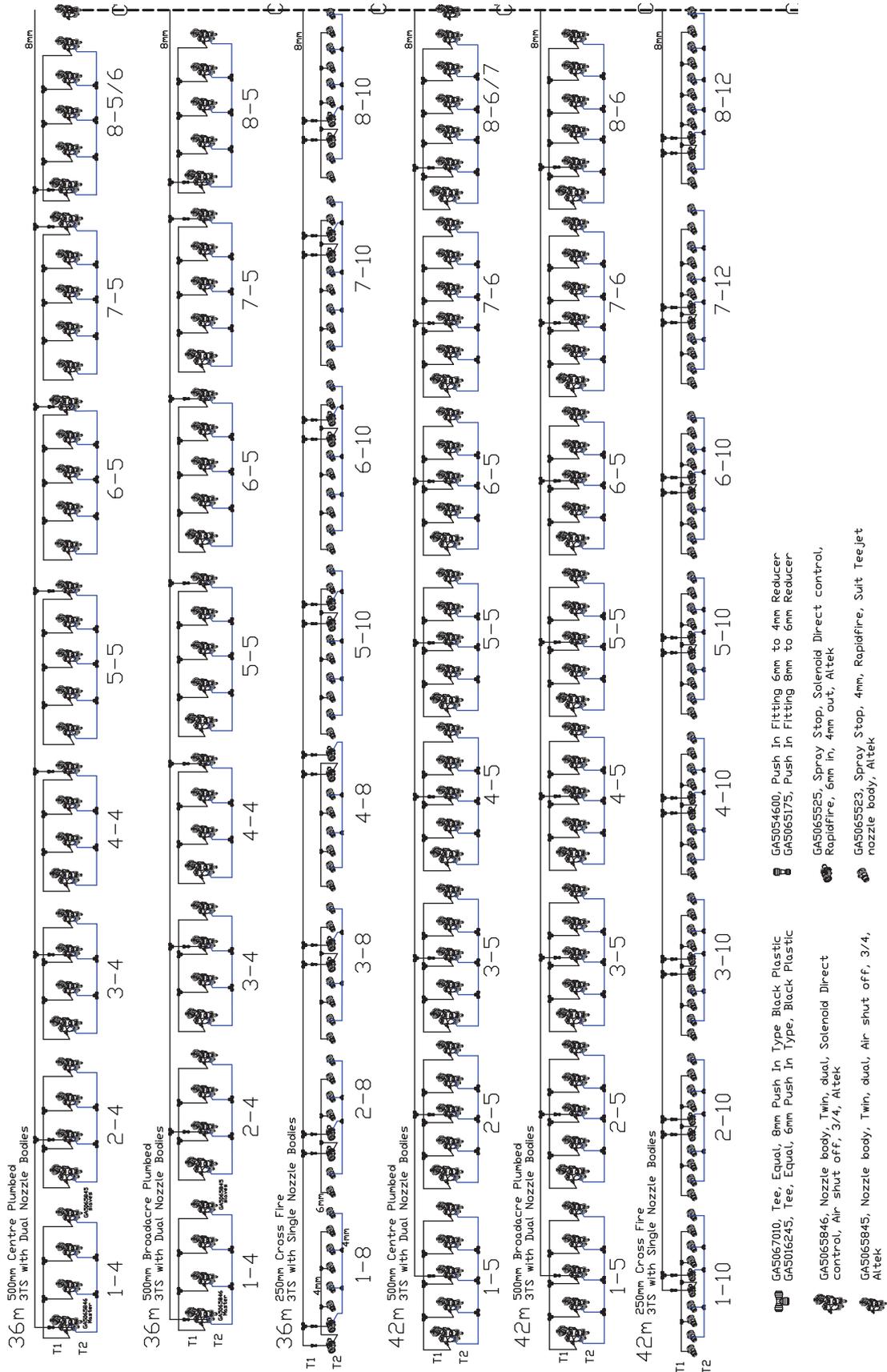
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# Pneumatic Schematic - Boom Sections



## Pneumatic Hose List

HOSE No	HOSE SIZE	DESCRIPTION	QTY	ORIENTATION	PART No
1	1/2" BLUE	AIR FEED FROM COMPRESSOR TO TANK 1	1		GA4912090
2	1/4" BLUE	AIR SIGNAL FROM TANK 1 TO GOVENDOR VALVE	1		GA4912091
3	1/4" BLUE	DRAIN FROM TANK 3	1		GA4912092
4	1/4" Blue	TANK 1 TO TANK 2	1		GA4912093
5	1/4" BLUE	DRAIN FROM TANK 2	1		GA4912094
6	1/4" BLUE	TANK 1 TO TANK 3	1		GA4912095
7	1/4" BLUE	PRESSURE PROTECTION TO MANIFOLD	1		GA4912096
8	1/4" BLUE	TANK 2 TO LOWER BRAKE pedal SUPPLY	1		GA4912097
9	1/4" BLUE	TANK 3 TO UPPER BRAKE pedal SUPPLY	1		GA4912098
11	1/4" BLUE	MANIFOLD TO REAR RIDE HEIGHT VALVE TEE	1		GA4912100
12	1/4" BLUE	BRAKE pedal TO FRONT BRAKE BOOSTER (CATAI)	1		GA4912112
13	1/4" BLUE	BRAKE pedal TO REAR BRAKE BOOSTER (CATAI)	1		GA4912113
14	1/4" BLUE	REAR RIDE HEIGHT VALVE TO AIR BAG	2		GA4912103
15	1/4" BLUE	LEFT RIDE HEIGHT VALVE TO TEE	1		GA4912104
16	1/4" BLUE	RIGHT RIDE HEIGHT VALVE TO TEE	1		GA4912105
18	1/4" BLUE	MANIFOLD TO FRONT RIDE HEIGHT VALVE	1		GA4912107
19	1/4" BLUE	FRONT RIDE HEIGHT TO LEFT AIR BAG	1		GA4912108
20	1/4" BLUE	FRONT RIDE HEIGHT VALVE RIGHT AIR BAG	1		GA4912109
30	1/4" Blue	Air bag to centre rapid fire	1		GA4912110







# Decals - Base Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5064166	3D Breakaway adjustment - Left / Right	2
2	GA5063878	Keep me oiled	2
3	GA5063370	Warning nozzle	2
4	GA5015991	Keep hands clear	16
5	GA8700670	Chain point	4
6	GA5060510	Tow bar load limits	1
7	GA5064122	Radiator drain / Engine oil drain / Hydraulic oil drain	1
8	GA8700296	Inline fuel filter	1
9	GA5063840	Air tank drain	2
10	GA8700666	Diesel only	2
11	GA8700283	Hydraulic oil fill	1

# Decals - Base Kit



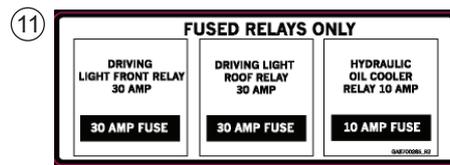
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA8700668	Spray pump 2 / Light	1
2	GA8700871	Caution hot exhaust	2
3	GA8700124	Main tank drain - Open / Closed - 6000 L	1
4	GA5063855	Fill pump prime	1
5	GA5063860	Main tank drain	1
6	GA5063880	Gauge drain	2
7	GA5064160	Warning - Do not use ether	1
8	GA5062455	Negative stud	1
9	GA5062490	Fuse - Engine ECM	1
10	GA5063865	Main tank overflow	1
11	GA222	Grease point	1
12	GA8701003	Warning - Do not pressure wash	1
13	GA8701004	Warning - Excess oil block breathers	1
14	GA8701061	Refill no more than once per 1000 hours	1

## Decals - Base Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5063876	Warning - Keep clear when folding booms	2
2	GA5063995	Warning - Welding procedure	1
3	GA5015971	Drain only	1
4	GA5064605	Pneumatic manifold	1
5	GA8700872	Warning - Tank capacity	1
6	GA5017555	Warning - Check wheel nuts	4
7	GA5064165	Positive stud / Battery isolator	1

## Decals - Base Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA8700761	Light	1
2	GA8700762	Wash down	1
3	GA8700763	Rinse tank	1
4	GA8700874	Fill pump	1
5	GA8700875	Spray pump	1
6	GA8700876	RPM raise	1
7	GA8700877	Chemical pump	1
8	GA5064500	Open / Closed	2
9	GA5068330	50 km/h	1
10	GA8700003	Super flow	1
11	GA8700285	Decal, Fuse Layout/Relay	1
12	GA5063885	Goldacres - Cabin exterior front	1

# Decals - Base Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA8700286	Park brake	1
2	-	Goldacres	1
3	GA8700329	Fence line LED	1
4	GA8700665	Danger / Caution	1
5	GA8700802	Decal Kit, G Motion joystick	2
6	GA8700760	EZ control station - Upper section	1
7	GA5063895	Goldacres - Cabin exterior rear	1
8	GA8700669	If you can't see my mirrors	1
9	GA8700664	Danger - Stand clear boom	2
10	GA8700759	EZ control station - Lower section	1
11	GA5065170	Do not fill past this point	1
12	GA8700891	Decal, platform ladder warning suit SP	1



# Decals - Base Kit

① DRIVER PRESENCE DRIVER PRESENCE  
GA8700292

② DRIVER PRESENCE 5 AMP DRIVER PRESENCE 5 AMP  
GA8700289

③ RAVEN 4400 30 AMP RAVEN 4400 30 AMP  
GA8700290

④ TRANSFER PUMP 25 AMP TRANSFER PUMP 25 AMP  
GA8700291

⑤ JOHN DEERE 10 AMP JOHN DEERE 10 AMP  
GA8700288

⑥ ISO BUS 10 AMP ISO BUS 10 AMP  
GA8700287

⑦ ISO BUS ISO BUS  
GA8700293

⑧

G5 & G6 MAX SPEED FULLY LOADED IS 25 KM/H		RECOMMENDED TYRE PRESSURE	
TYRE BRAND	TYRE SIZE	KPA	PSI
HARVEST	380/90R46 (14.9R46) HR45 159A8	400	58
HARVEST	480/80R46 (18.4R46) HR45 158A8/156B	317	46
HARVEST	480/80R46 (18.4R46) HR45 166A8/159D	282	41
AGRIMAX	520/85R46 (20.8R46) 158A8	262	38
HARVEST	520/85R46 (20.8R46) 173A8/169D	180	26
HARVEST	620/70R42 HR45 166A8/166B	240	35

⑨ AUTO STEER REMOTE SWITCH AUTO STEER REMOTE SWITCH  
GA506165

⑩ Boom width  
Section  
1 \_\_\_\_\_ cm  
2 \_\_\_\_\_ cm  
3 \_\_\_\_\_ cm  
4 \_\_\_\_\_ cm  
5 \_\_\_\_\_ cm  
6 \_\_\_\_\_ cm  
7 \_\_\_\_\_ cm  
8 \_\_\_\_\_ cm  
9 \_\_\_\_\_ cm  
10 \_\_\_\_\_ cm  
GA8700328

⑪ IN OUT IN OUT IN OUT  
GA8700417

⑫

⑬

**RAVEN Control Calibration Settings**

Speed cal \_\_\_\_\_

Meter cal \_\_\_\_\_

Rate cal 1 \_\_\_\_\_ RPM \_\_\_\_\_

Rate cal 2 \_\_\_\_\_ Tier 1 \_\_\_\_\_

Valve cal \_\_\_\_\_ Tier 2 \_\_\_\_\_  
GA8700327

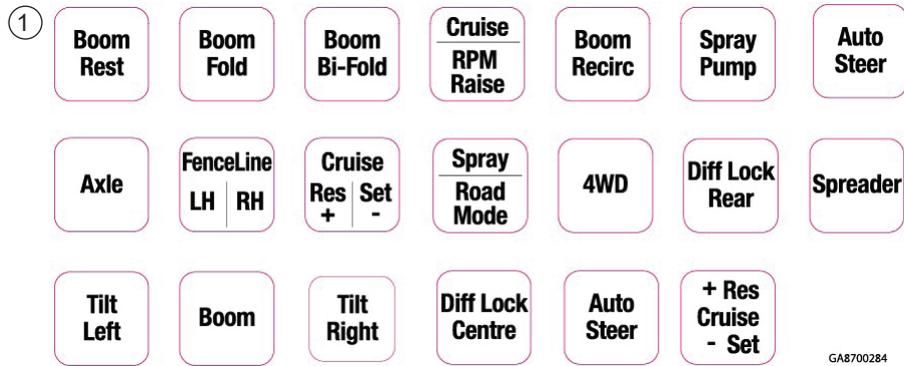
⑭ **A Cabin Main Fuse box**  
GA8700693

⑮ **B Cabin Auxiliary Fuse box**  
GA5060025

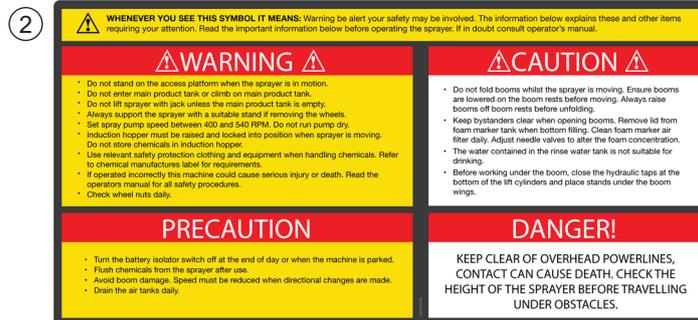
⑯ **C Joystick Fuse box**  
GA5060326

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA8700292	Driver presence	1
2	GA8700289	Driver presence - 5 AMP	1
3	GA8700290	Raven 4400 - 30 AMP	1
4	GA8700291	Transfer Pump - 25 AMP	1
5	GA8700288	John Deere - 10 AMP	1
6	GA8700287	ISOBUS - 10 AMP	1
7	GA8700293	ISOBUS	1
8	GA8700539	Tyre pressure guide	1
9	GA506165	Auto steer switch	2
10	GA8700328	Boom width calibration chart	1
11	GA8700417	Switch bank - IN / OUT	1
12	GA8700801	G motion control guide	1
13	GA8700327	Raven control calibration chart	1
14	GA8700693	Cabin main fuse box A	2
15	GA5060025	Cabin auxilliary fuse box B	2
16	GA5060326	Joystick fuse box C	2

# Decals - Cabin & Miscellaneous



GA8700284



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA8700284	Decal, Cabin Control Panel, G6	1
2	GA8700356	Warning / Caution / Precaution / Danger	1

## Decals - Bonnet

1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA8700307	Decal, Crop Cruiser G6, Bonnet, Left and Right	1

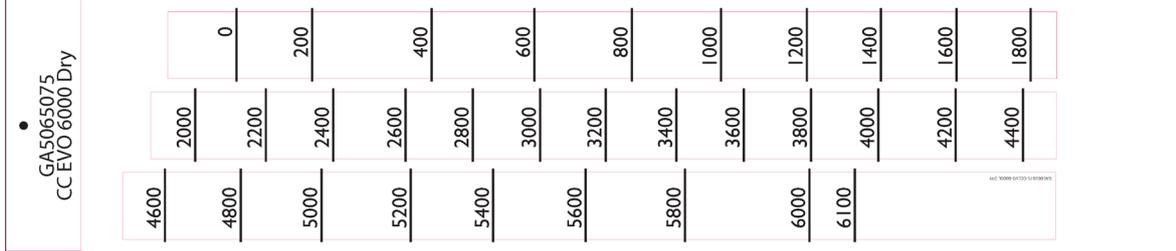
## Decals - Tank



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA8700209	Decal, Tank, 6030, Left and Right, Goldacres G6	1
	GA8700210	Decal, Tank, 6033, Left and Right, Goldacres G6	1
	GA8700211	Decal, Tank, 6036, Left and Right, Goldacres G6	1
	GA8700212	Decal, Tank, 6042, Left and Right, Goldacres G6	1

# Decals - Dry Sight Tube

①

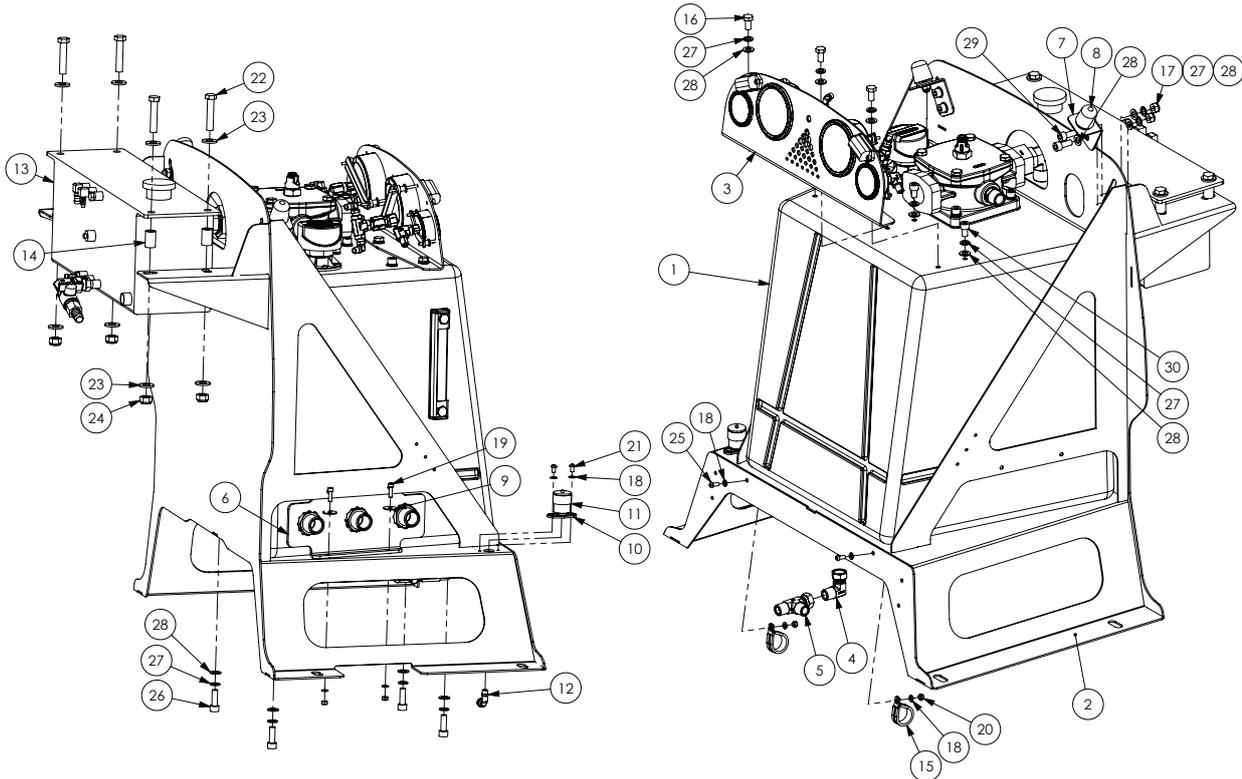


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
I	GA5064170	Dry sight tube decal - 1250L tank	1
	GA5062660	Dry sight tube decal - 3500L tank	1
	GA5063955	Dry sight tube decal - 5200L tank	1
	GA5065075	Dry sight tube decal - 6000L tank	1

# Chapter 18

## HYDRAULICS

### Hydraulic Oil Tank & Frame



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5072700	Pinch weld, Top Blister, 16.3mm x 30mm - Cut 660 mm length	1
1	*	Oil Tank Assembly	1
2	-	Oil Tank Support Frame	1
3	*	Steel Gauge Pane Assembly	1
4	GA3500333	Hydraulic adapter, Elbow, 90 degree, 1/2" male x 1/2" female swivel	1
5	GA3500200	Hydraulic adapter, Tee, 1/2" male BSP x 1/2" male BSP x 1/2" female swivel	1
6	-	Port Retaining Plate	1
7	GA4504235	Bracket, Bonnet buffer, Mount on oil tank	2
8	GA5075600	Buffer, Isolator, Suit Claas cabin door and Oil tank frame	2
9	-	Washer 6mm Large	2
10	GA5070470	Mounting Flange Donaldson Air Cleaner Service Indicator Remote	1
11	GA5010525	Service Indicator kit 25	1

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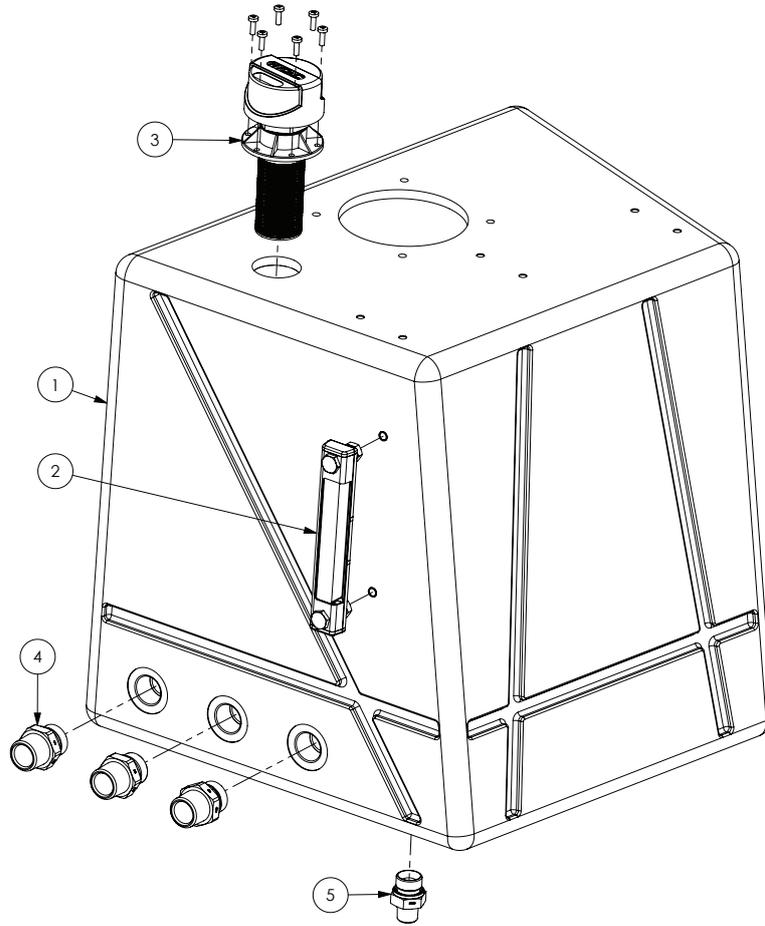
## Hydraulic Oil Tank & Frame

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
12	GA5045145	Elbow, swivel, push in 6mm, Brass 1/8" BSP	1
13	^	Header tank Assembly	1
14	GA4552860	Crush tube, 12.5 ID x 19 OD x 30 mm long	4
15	GA5048090	Clamp P 35mm 56487	2
16	GA5006113	Bolt M10 x 20 ZP GR8.8	3
17	GA5051445	Nut M10 Nyloc SS	4
18	GA5004437	Washer 6mm Flat SS	8
19	GA5004055	SHCS M6 x 20 ZP GR12.9	2
20	GA5048115	Nut M6 Nyloc ZP	4
21	GA5004023	BHCS M6 x 10 SS GR8.8	2
22	GA5000335	Bolt M12 x 60 ZP GR8.8	4
23	GA5000577	Washer 12mm Flat SS HD	8
24	GA5012461	Nut M12 Nyloc ZP	4
25	GA5004050	BHCS M6 x 16 SS GR8.8	2
26	GA5020115	SHCS M10 x 30 ZP GR12.9	8
27	GA5000137	Washer 10mm Spring SS	18
28	GA5000117	Washer 10mm Flat SS HD	22
29	GA5071085	SHCS M10 x 25 ZP GR12.9	4
30	GA5020495	SHCS M10 x 16 SS GR12.9	3

\* Sub-assembly on following pages

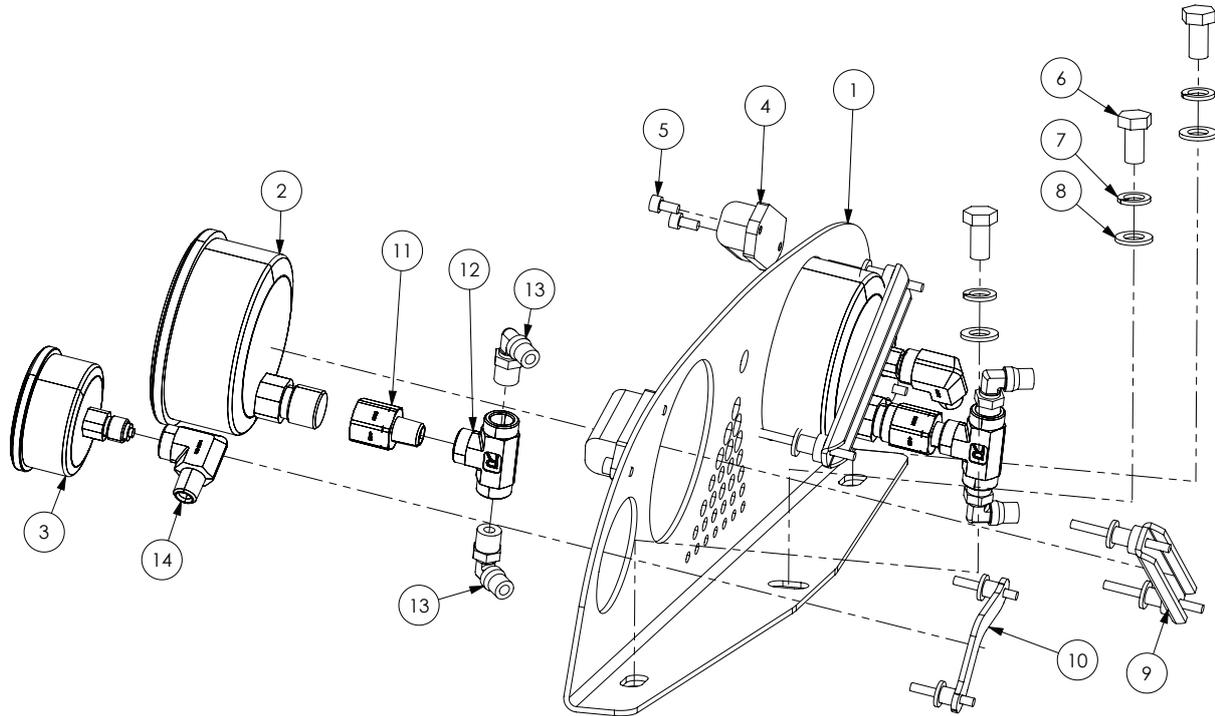
^ See Chapter 20 'Engine & Transmission'

# Hydraulic Oil Tank Assembly



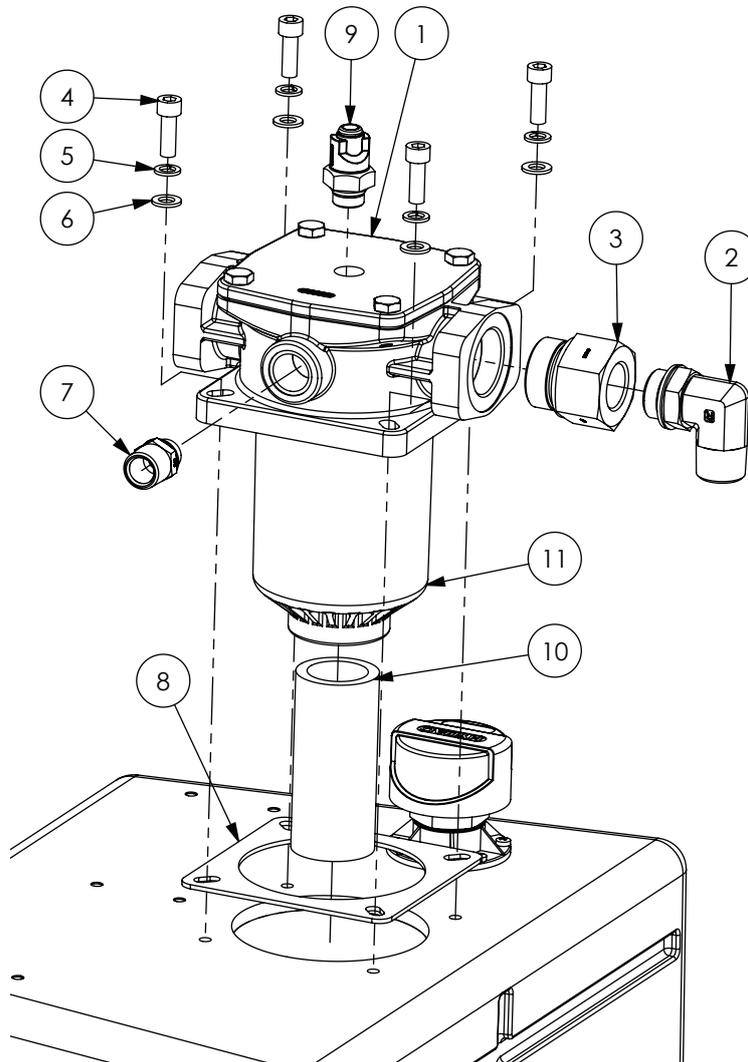
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5072110	Hydraulic Oil Reservoir Assembly	1
2	GA5075435	Level Gauge, Thermometer, Oil Reservoir	1
3	GA5075450	Breather Cap, Oil Reservoir Filler	1
4	GA5075440	Nipple, 1" BSPT x 1" BSPP O-ring	3
5	GA5075445	Nipple, 3/4" BSPP x 1/2" BSPT	1

# Hydraulic Oil Tank - Steel Gauge Pane



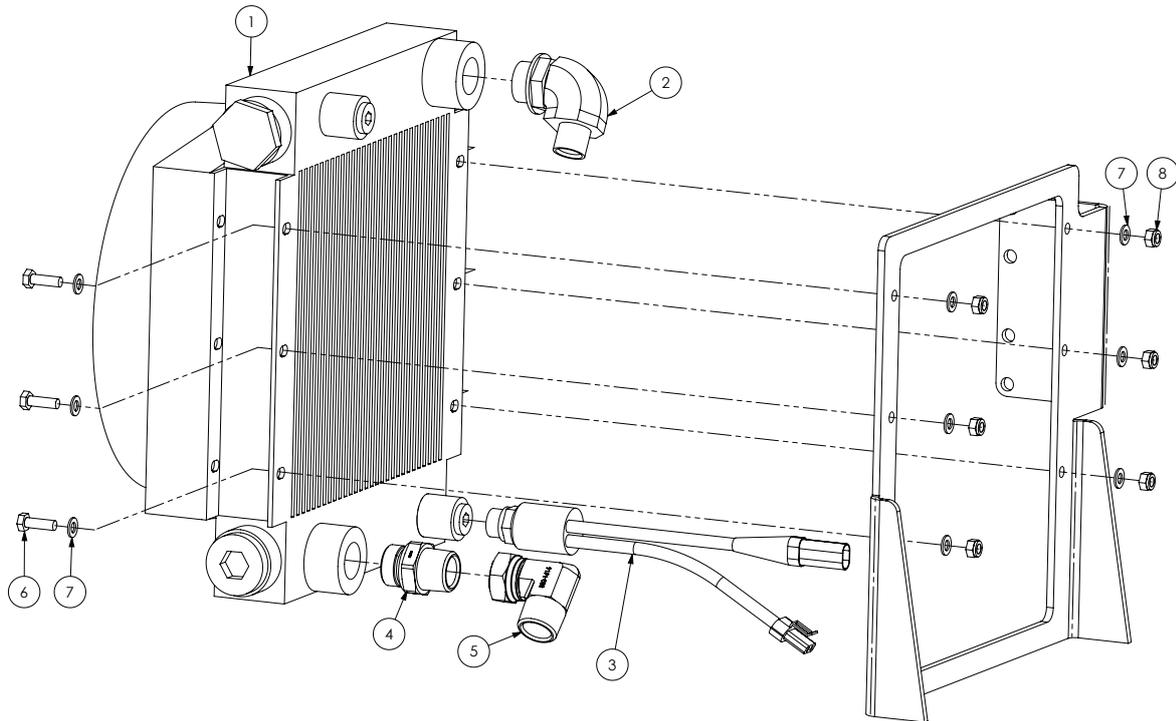
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	-	Steel Gauge Pane	1
2	GA5075420	Gauge, 100mm, 3/8" BSP Rear Port, Large	2
3	GA5075425	Gauge, 63mm, 1/4" BSP Rear Port, Small	2
4	GA5075430	Light, LED, Gauge Light, Oil Reservoir	2
5	GA5069975	SHCS M5 x 10 SS	4
6	GA5006113	Bolt M10 x 20 ZP GR8.8	3
7	GA5000137	Washer 10mm Spring SS	3
8	GA5000117	Washer 10mm Flat SS HD	3
9	GA5075460	Gauge Retainer, Mounting Bracket, 100mm Gauge	2
10	GA5075455	Gauge Retainer, Mounting Bracket, 63mm Gauge	2
11	S72-0406	Hydraulic adaptor, 1/4" BSPT male x 3/8" BSPT female	2
12	GA3500242	Hydraulic adaptor, Tee, 1/4" female BSPT x 1/4" female BSPT x 1/4" BSPT female	2
13	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	4
14	GA3500209	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT female	2

# Hydraulic Oil Tank - Return Filter



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069055	Filter, Hydraulic Return, Tank top, RMF BN/HC 330	1
2	GA3500327	Hydraulic adaptor, Elbow, 90 degree, 1" BSPT male x 1" BSPP male O-ring	1
3	GA3500191	Hydraulic adaptor, Reducing bush, 1 1/2" BSPP male x 1" BSPP female	1
4	GA5020115	SHCS M10 x 30 ZP GR12.9	4
5	GA5000137	Washer 10mm Spring SS	4
6	GA5000117	Washer 10mm Flat SS HD	4
7	GA3500313	Hydraulic adaptor, Nipple, 3/4" BSPT male x 1/2" BSPP male	1
8	GA5070580	Gasket Hydraulic Oil Return Filter Housing	1
9	GA5070780	Clogging Service Indicator Oil Return	1
10	GA5069910	Pipe Black Steel riser 2" x 150mm, 2" BSPT male thread one end	1
11	GA5069056	Filter element, suit tank mounted filter GA5069055, Hydac	1

# Hydraulic Oil Cooler Assembly

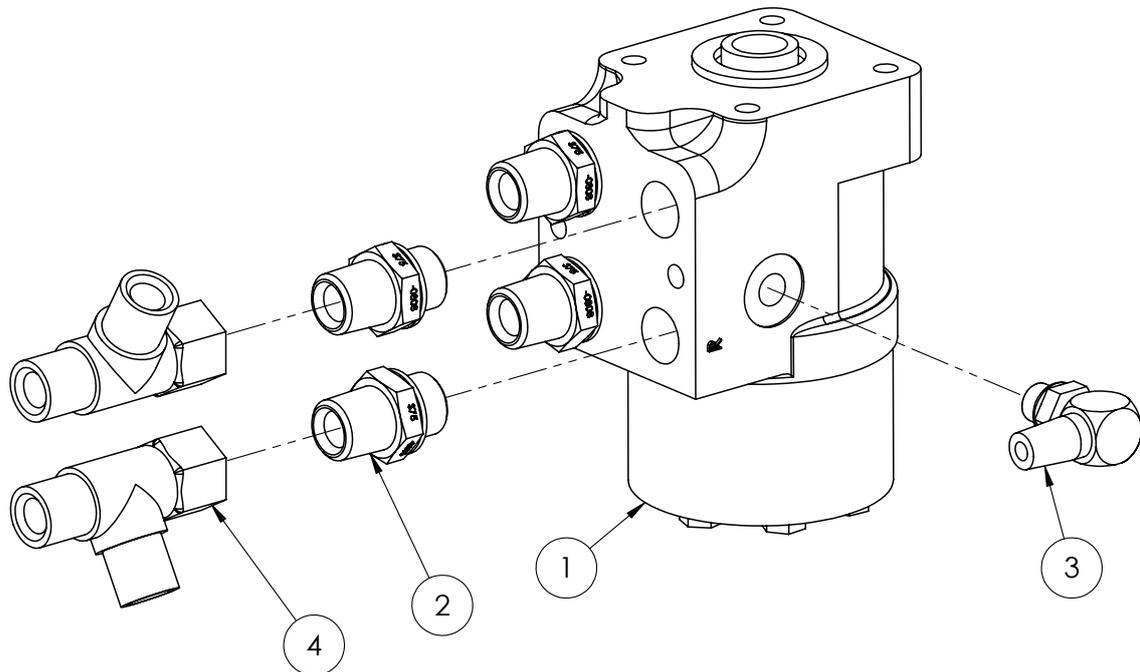


## FAN SPARE PARTS

PART NUMBER	DESCRIPTION
GA5071855	Fan shroud, Complete including motor & connector, Hydraulic Oil Cooler, Hydac
GA5071860	Core, Bare with no fittings, Hydraulic Oil Cooler, Hydac

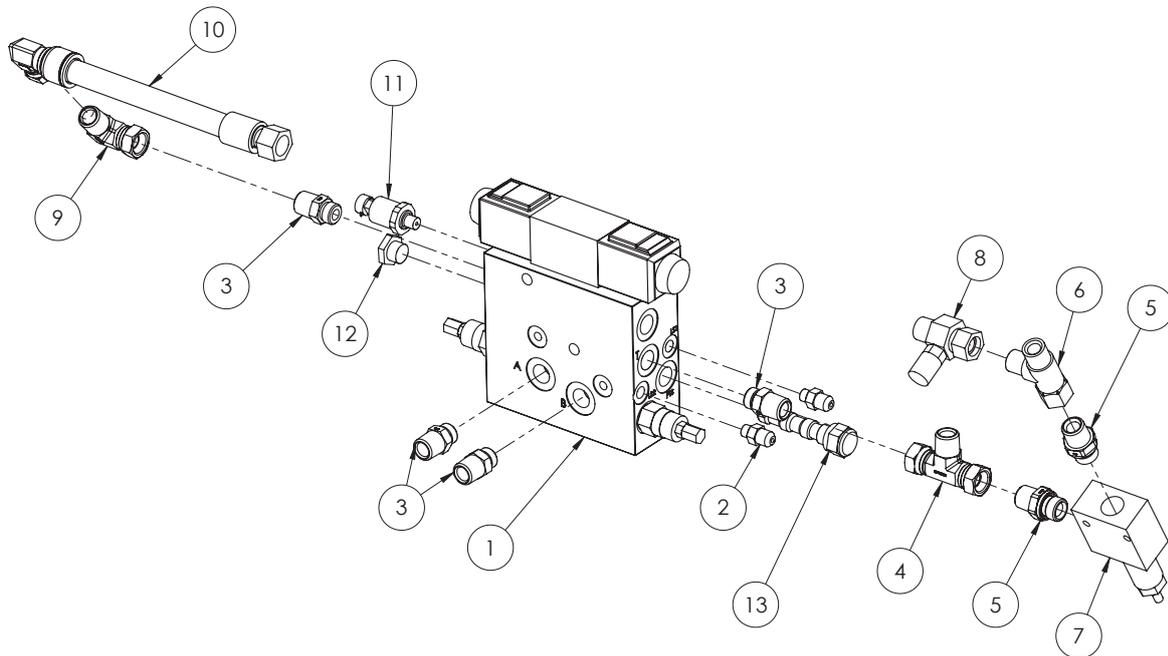
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069045	Oil cooler, Hydac OK-ELD3H size 3	1
2	GA3500326	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 1" BSPP male O-ring	1
3	GA5069050	Thermostat, Suit Oil cooler, Hydac	1
4	GA3500317	Hydraulic adaptor, Nipple, 1" BSPT male x 1" BSPP male	1
5	GA5071200	Hydraulic Elbow 1" male / female nut	1
6	GA5004711	Bolt M8 x 25 ZP GR8.8	6
7	GA5003643	Washer 8mm Flat SS HD	12
8	GA5052590	Nut M8 Nyloc SS	6

## Steering Orbital



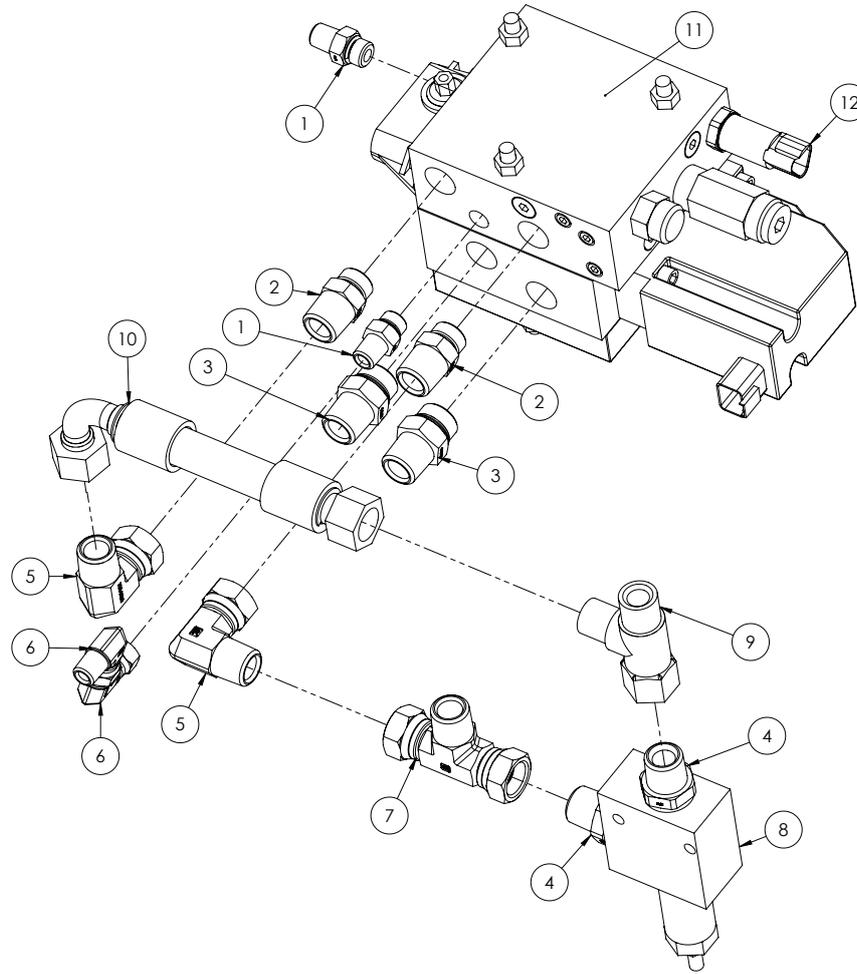
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5000031	Steering Orbital , 250cc, Load Sensing	1
2	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	4
3	GA3500320	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP male O-ring	1
4	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	2

## Auto Steer - Trimble Manifold



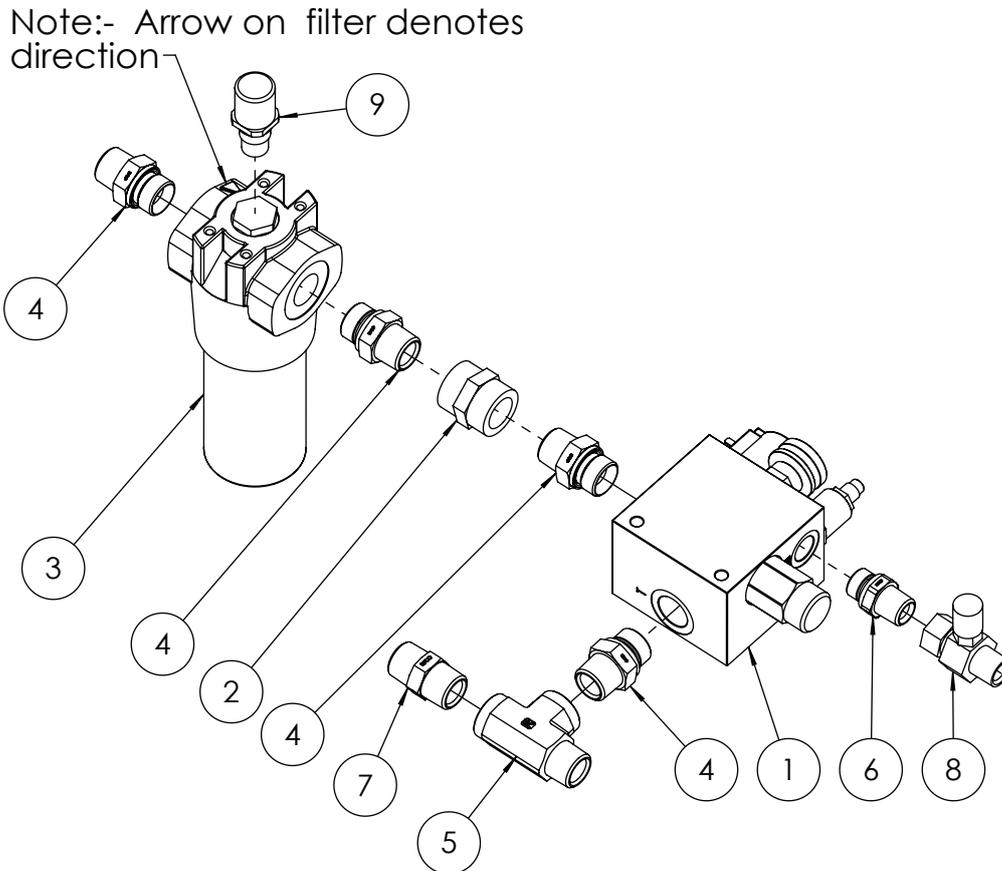
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069860	Trimble auto steer platform kit	1
2	GA3500354	Hydraulic adaptor, Nipple, 9/16" JIC male x 7/16" UN male O-ring	2
3	GA3500363	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/4" UN male O-ring	4
4	GA3500336	Hydraulic adaptor, Tee, 1/2" BSPP female swivel x 1/2" BSPT male x 1/2" BSPP female swivel	1
5	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	2
6	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	1
7	GA5006933	Hydraulic pressure relief (CartReliefDIR.OP.BI Directional)	1
8	GA3500198	Hydraulic adaptor, Inline test point, 1/2" BSPP female swivel x 1/2" BSPT male x M16 x 2.0 test port	1
9	GA3500333	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel	1
10	GA4904895	Hydraulic hose assembly	1
11	GA5070350	Pressure Sensor - Trimble P/No 49669	1
12	-	P Comp - Trimble P/No 56907	1
13	GA5069865	Trimble valve cartridge PTS 40 - Trimble P/No 56904	1

# Auto Steer - John Deere Manifold



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500358	Hydraulic adaptor, Nipple, 1/4" BSPT male x 9/16" UN male O-ring	2
2	GA3500363	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/4" UN male O-ring	2
3	GA3500364	Hydraulic adaptor, Nipple, 1/2" BSPT male x 7/8" UN male O-ring	2
4	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	2
5	GA3500333	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel	2
6	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
7	GA3500336	Hydraulic adaptor, Tee, 1/2" BSPP female swivel x 1/2" BSPT male x 1/2" BSPP female swivel	1
8	GA5006933	Hydraulic pressure relief (CartReliefDIR.OP.BI Directional)	1
9	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	1
10	GA5067971	Hydraulic Hose Assembly, John Deere Auto Steer, HI 23	1
11	GA3000143	Hydraulic valve block, Steering, JD, Raven	1
12	GA5076952	Pressure Transducer, sensor, 0-3000 PSI, 4-20mA, Raven	1

# Pump Flow Control Manifold



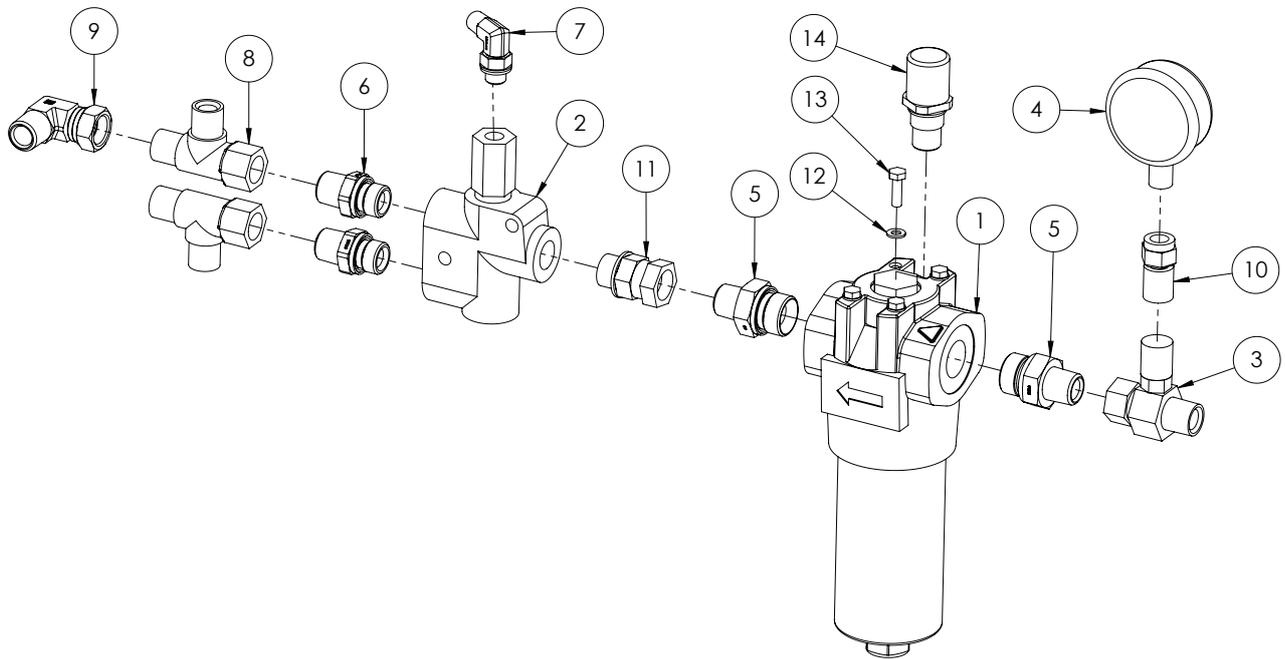
## FILTER SERVICE PARTS

PART NUMBER	DESCRIPTION
GA5008721	Filter screen, Hydraulic pressure, 10 micron, suit GA5010013
GA5052870	Filter repair kit, suit GA5010013

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500000	Priority Flow Block with Unloader and Relief, 60 LPM Reg, 120 LPM Inlet	1
2	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
3	GA5010013	Hydraulic pressure filter 10 micron	1
4	GA3500314	Hydraulic adaptor, Nipple, 3/4" BSPT male x 3/4" BSPP male	4
5	GA3500255	Hydraulic adaptor, Tee, 3/4" BSPT male x 3/4" BSPT female x 3/4" BSPT female	1
6	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	1
7	GA3500227	Hydraulic adaptor, Nipple, 3/4" BSPT male x 3/4" BSPT male	1
8	GA3500198	Hydraulic adaptor, Inline test point, 1/2" BSP female swivel x 1/2" BSP male x M16 x 2.0p test port	1
9	-	Pressure Filter Service Indicator (Indicator supplied with Item 3)	1

# Priority Valve & Pressure Filter

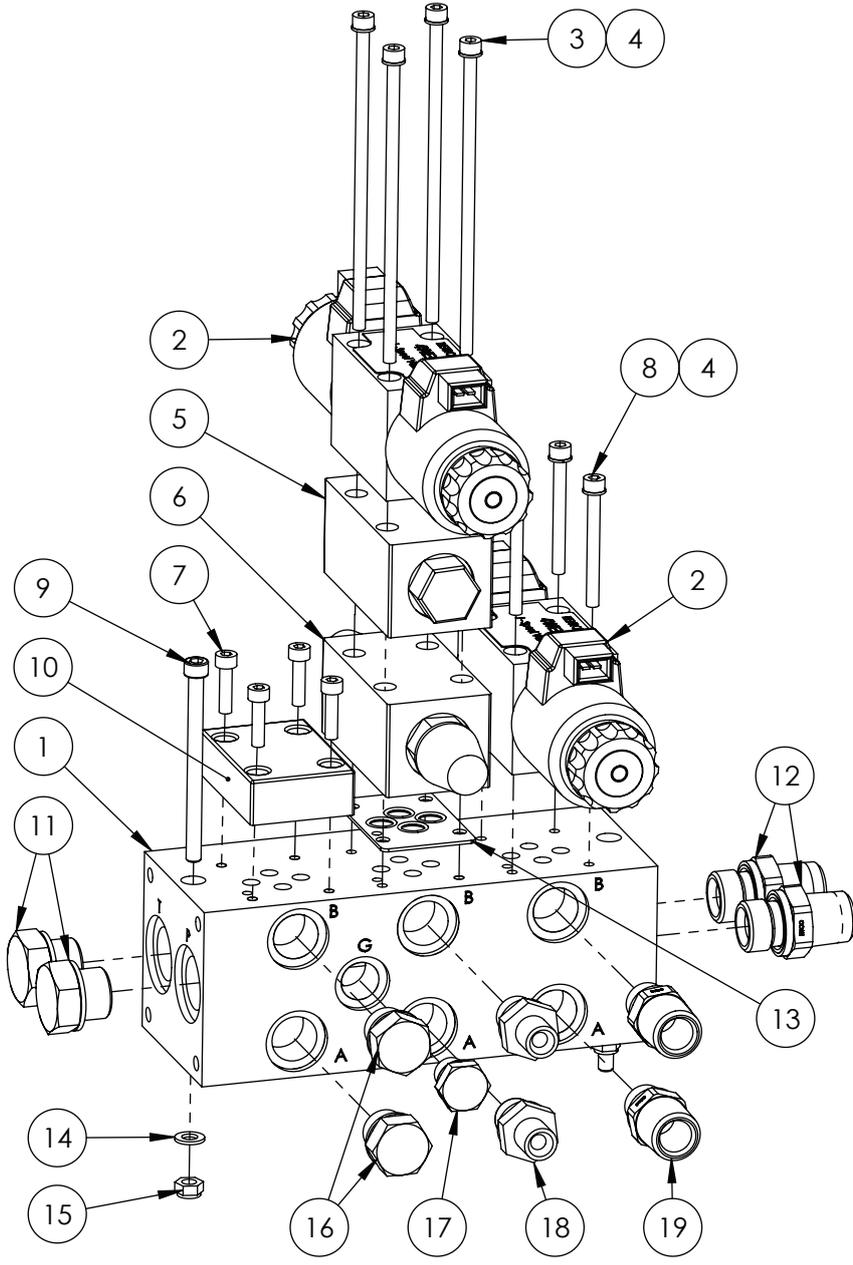


## FILTER SERVICE PARTS

PART NUMBER	DESCRIPTION
GA5008721	Filter screen, Hydraulic pressure, 10 micron, suit GA5010013
GA5052870	Filter repair kit, suit GA5010013

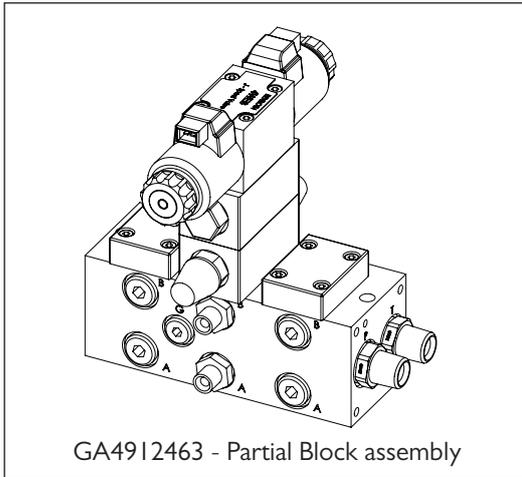
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5010013	Hydraulic pressure filter 10 micron	1
2	GA5010957	Load sensing priority valve	1
3	GA3500198	Inline test point 1/2" BSP	1
4	GA5078076	Gauge, Pressure, 250 bar	1
5	GA3500312	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/4" BSPP male	2
6	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	2
7	GA3500320	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP male O-ring	1
8	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	2
9	GA3500333	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel	1
10	GA5077350	Adaptor, Direct Gauge, M16 x 2.0 female x 1/4" BSPP female	1
11	GA3500248	Hydraulic adaptor, Nipple, 1/2" BSPP male x 1/2" BSPP female swivel	1
12	GA5004437	Washer 6mm Flat SS	4
13	GA5004065	Bolt M6 x 20 ZP GR8.8	4
14	-	Pressure Filter Service Indicator (Indicator supplied with Item 1)	

# Boom Rest/Fill Pump Hydraulic Block

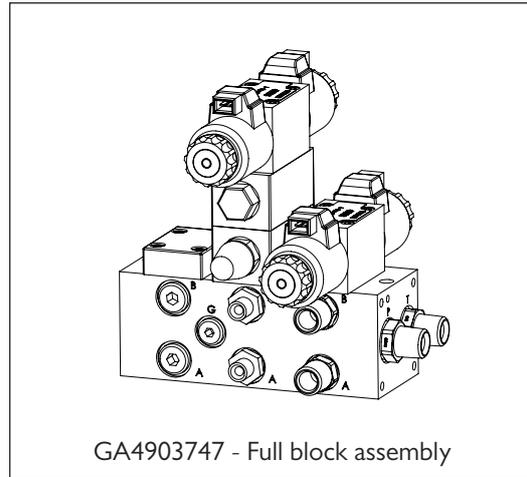


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## Boom Rest/Fill Pump Hydraulic Block



GA4912463 - Partial Block assembly

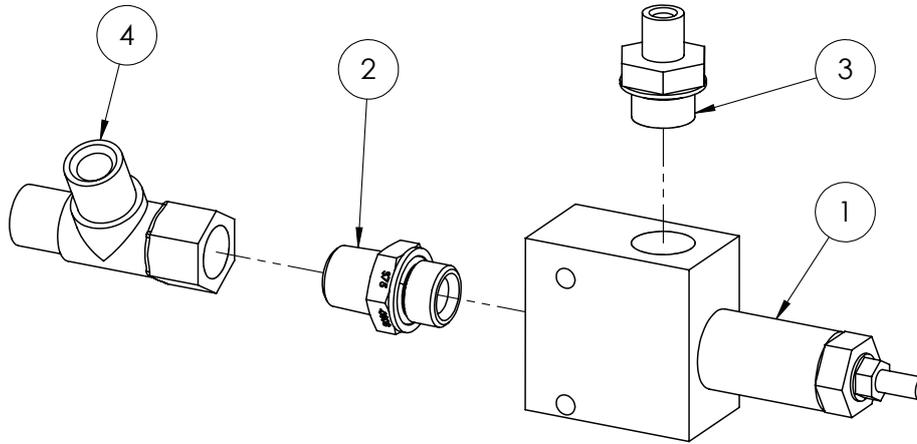


GA4903747 - Full block assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047622	Manifold - option 1 normally closed	1
2	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	2
	GA5047750	Solenoid coil, 12V DC, Slip on, 2 pin AMP	-
3	GA5048570	SHCS M5 x 130 GR12.9 ZP	4
4	GA5003629	Washer 5mm Spring SS	8
5	GA5017335	Valve check modular	1
6	GA5047581	Hydraulic Valve, Flow control, NG6 A+B, Suit spool	1
7	GA5020520	M5 x 20mm SHCS	4
8	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
9	GA5011441	SHCS M6 x 80 GR12.9 ZP	2
10	GA5047335	Plate blanking, Spool valve NG6	1
11	GA3500301	Hydraulic adaptor, Plug, 1/2" BSPP male	2
12	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	2
13	GA5047615	Plate, O-ring	1
14	GA5004437	Washer 6mm Flat SS	2
15	GA5048115	Nut M6 Nyloc ZP	2
16	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	2
17	GA3500299	Hydraulic adaptor, Plug, 1/4" BSPP male	1
18	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	2
19	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	2

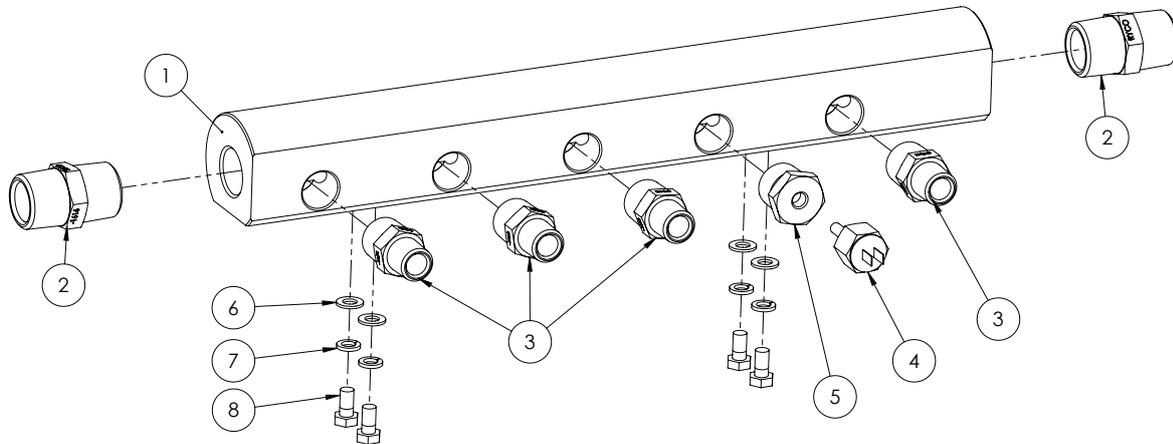
NOTE: Fitting quantity and fitting types will depend on machine options.

## Pressure Relief - Radiator Fan



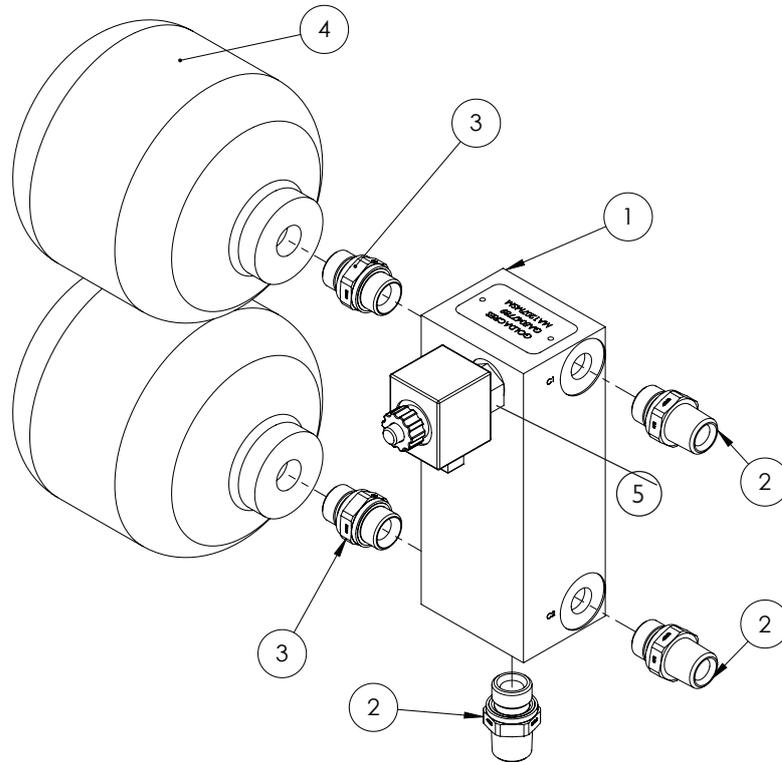
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5006933	Hydraulic pressure relief (CartReliefDIR.OP.BI Directional)	1
2	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	1
3	GA3500308	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/2" BSPP male	1
4	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	1

## Hydraulic Return Manifold



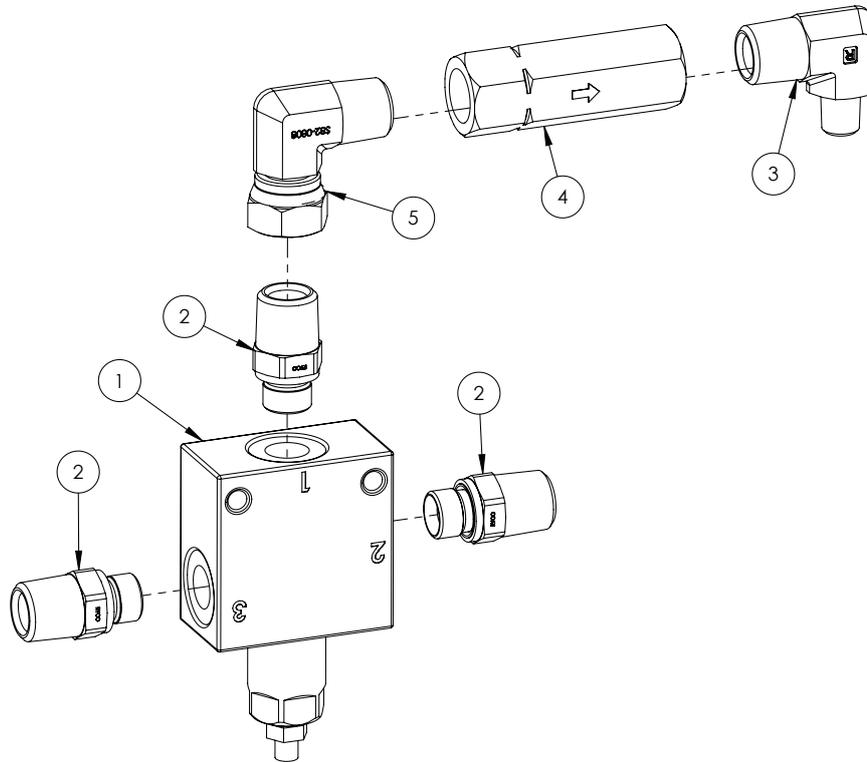
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	L069A	Manifold, Return, 7 port	1
2	GA3500231	Hydraulic adaptor, Nipple, 1" BSPT male x 1" BSPT male	2
3	GA3500226	Hydraulic adaptor, Nipple, 3/4" BSPT male x 1/2" BSPT male	4
4	GA5078472	Switch, Temperature, 95C, NO, Spade Terminal, 15mm Probe	1
5	GA4551095	Reducer Bush, 3/4" BSPT male x 1/8" NPT female	1
6	GA5003643	Washer 8mm HD SS	4
7	GA5004919	Washer 8mm Spring SS	4
8	GA5011465	Bolt M8 x 16 ZP	4

# Boom Lift Accumulator Lockout



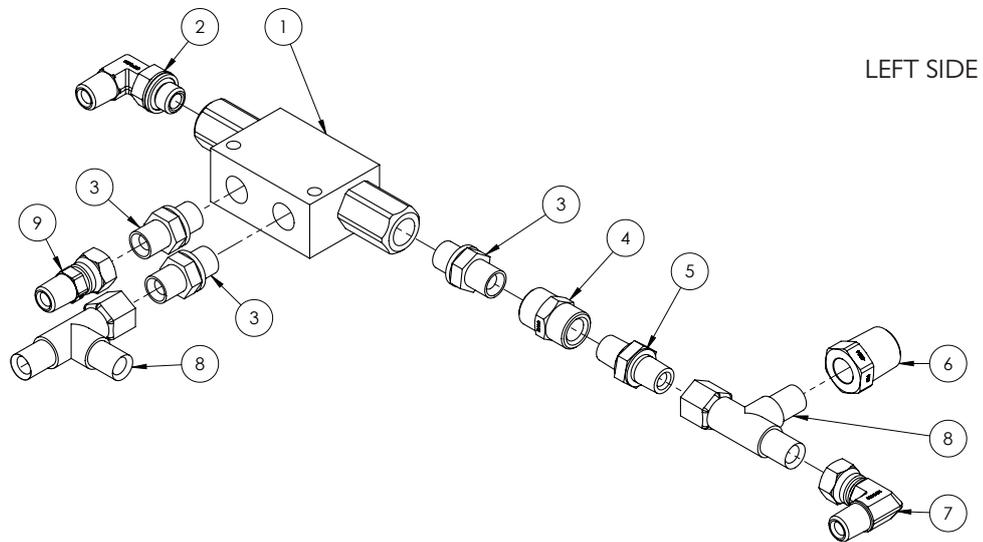
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047789	Manifold, Hydraulic, Accumulator Lockout MY14	1
2	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	3
3	GA3500253	Hydraulic adaptor, Nipple, 1/2" BSPP male x 1/2" BSPP male	2
4	GA5007787	Accumulator 1.0L Precharge 70 Bar	2
5	GA5047730	Valve cartridge hyd sol poppet NC-12V with override plus body	1

# Pressure Reducing Valve Assembly

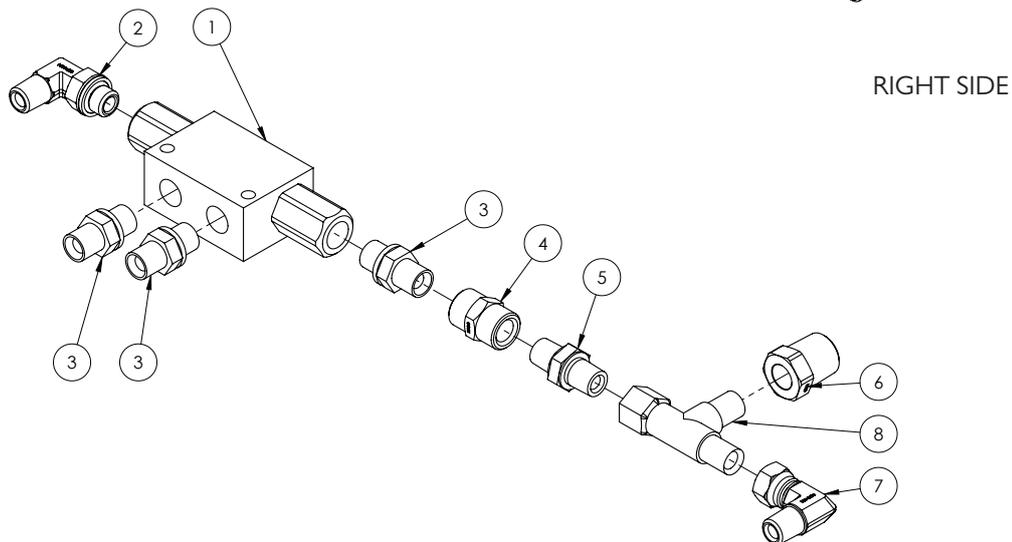


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047708	Valve, Pressure reducing, Hydraulic, 10 - 140bar	1
2	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	3
3	GA3500260	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/4" BSPT male	1
4	GA5007060	Valve, Check, Hydraulic, 1/2 BSPP female inlet & outlet, 45L/min flow, Maximum 320bar	1
5	GA3500333	Hydraulic adapter, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel	1

## Double Pilot Check Valves - Bi-fold 30-36m



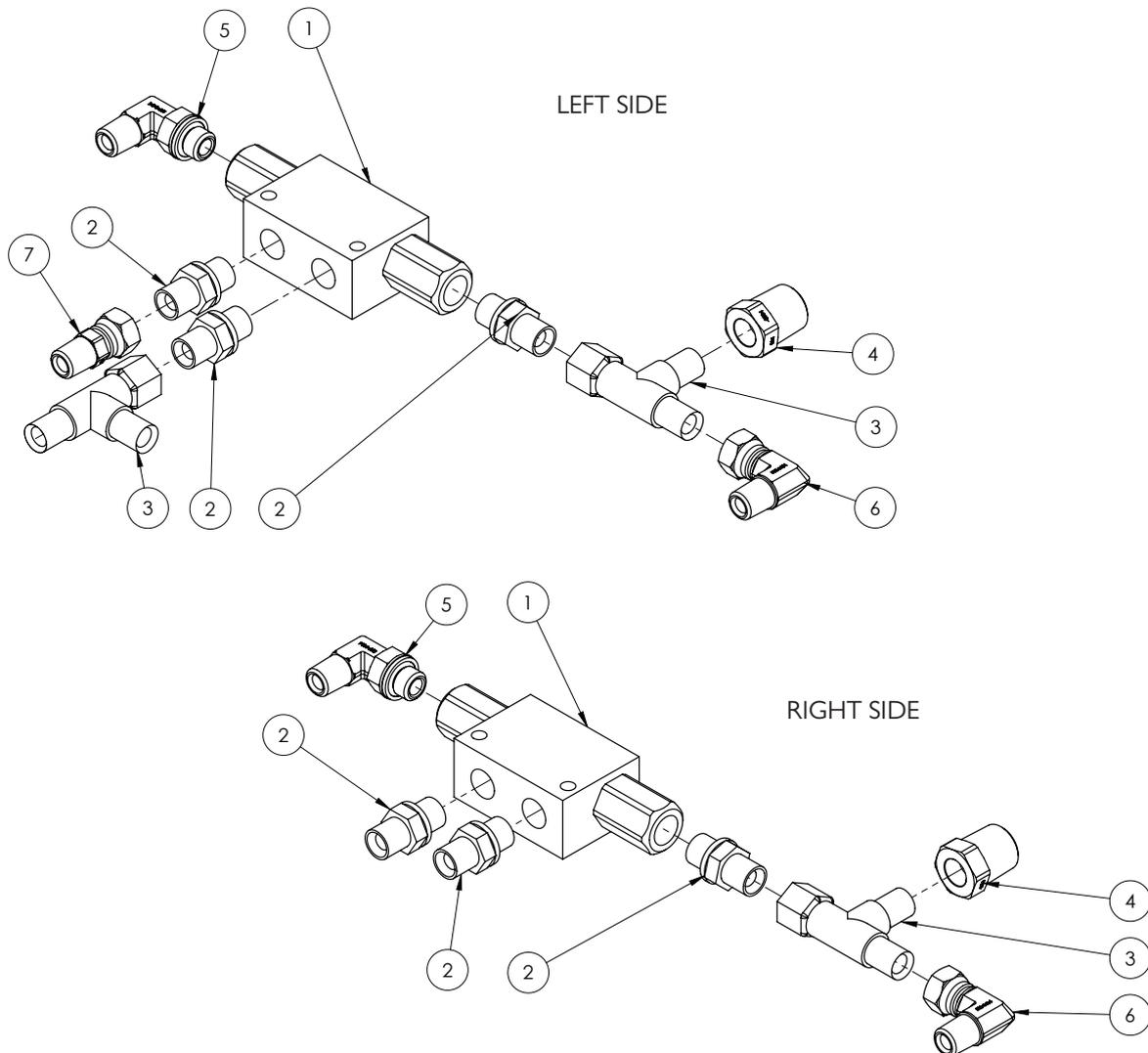
LEFT SIDE



RIGHT SIDE

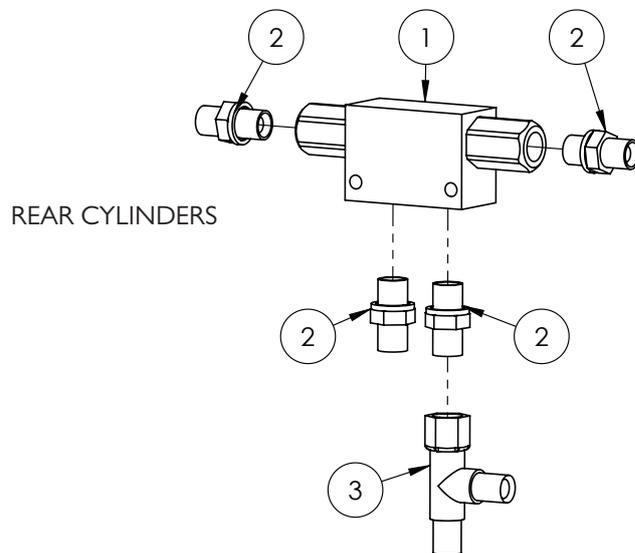
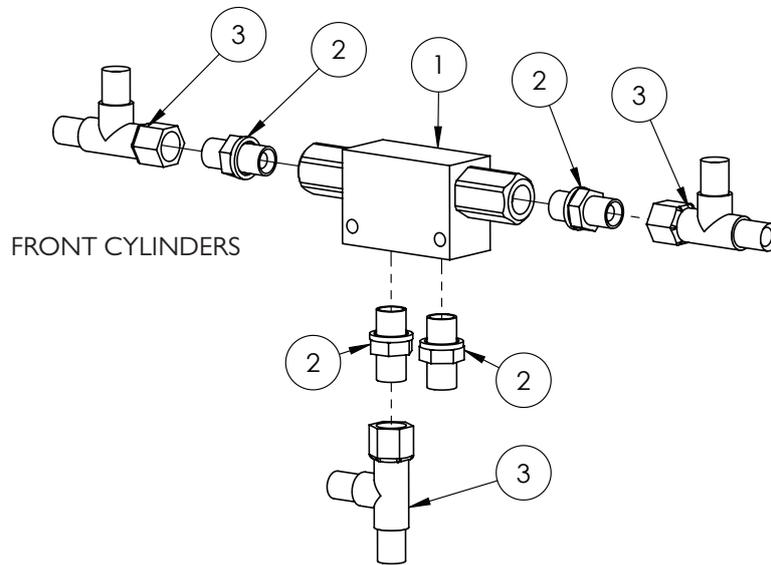
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5007957	Double pilot check (RA) 12LPM 1/4" BSPP	2
2	GA3500320	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP male O-ring	2
3	GA3500306	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPP male	6
4	GA3500211	Hydraulic adaptor, Socket, 1/4" BSPT female x 1/4" BSPT female	2
5	GA4562025	Restrictor nipple 1/4" BSPT 0.5mm orifice	2
6	GA5078005	Bush, Reducing, Poly, 1/2" Male Thread x 1/4" Female Thread	2
7	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
8	GA3500199	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPP female	3
9	GA3500328	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPP female swivel	1

## Double Pilot Check Valves - Bi-fold 42m



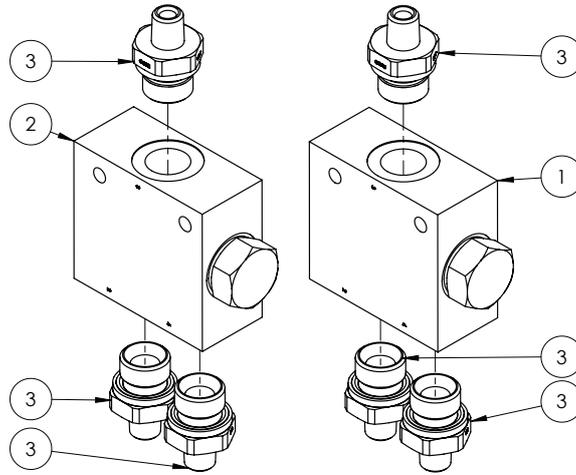
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5007957	Double pilot check (RA) 12LPM 1/4" BSPP	1
2	GA3500306	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPP male	3
3	GA3500199	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPP female - Left Side	2
		Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPP female - Right Side	1
4	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female	1
5	GA3500320	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP male O-ring	1
6	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	1
7	GA3500328	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPP female swivel	1

## Double Pilot Check Valves - 42m



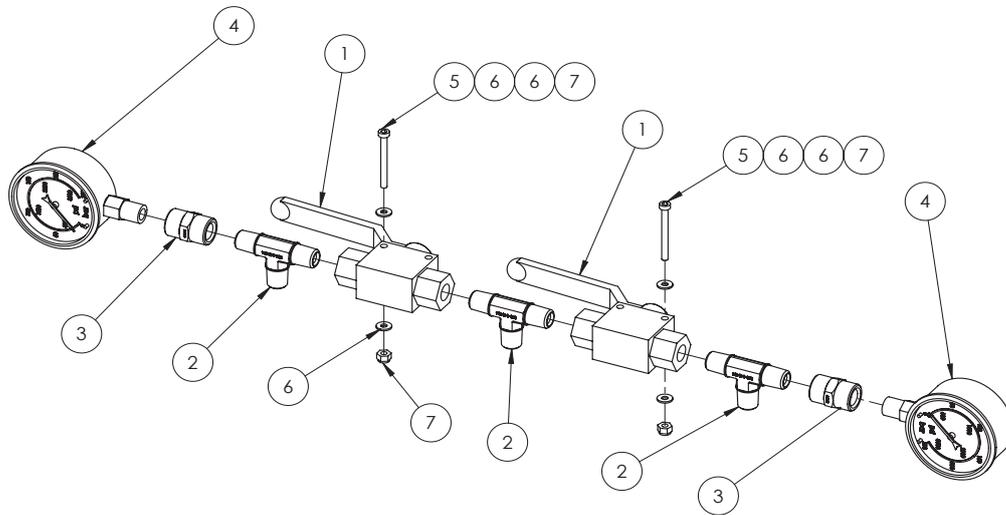
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5007957	Double pilot check (RA) 12LPM 1/4" BSPP	2
2	GA3500306	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPP male	8
3	GA3500199	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPP female	4

## Flow Dividers



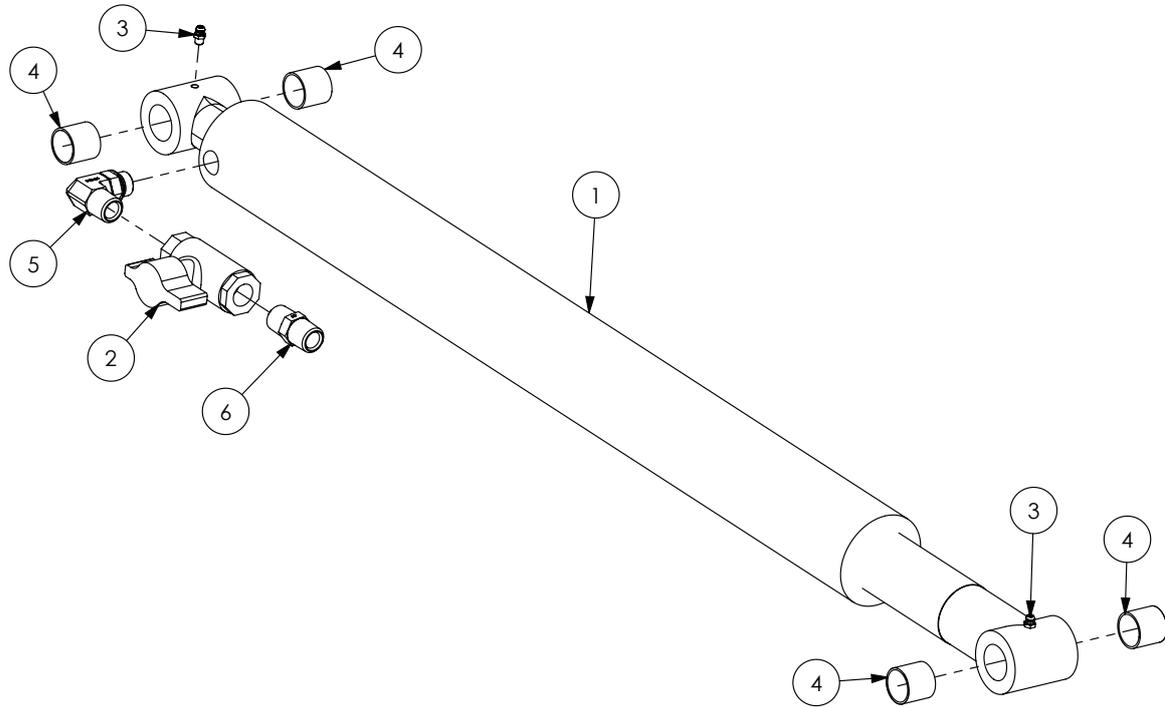
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500106	Hydraulic Valve, Flow Divider, 1 - 3 l/min - Bi-fold	1
	GA5078462	Cartridge, Flow Divider, 1 - 3 l/min, Suit GA3500106	1
2	GA3500120	Hydraulic Valve, Flow Divider, 5 - 13 l/min - First stage fold	1
	GA5078463	Cartridge, Flow Divider, 5 - 13 l/min, Suit GA3500120	1
3	GA3500308	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/2" BSPP male	6

## Yaw Control Valve Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078083	Valve, Ball, Hydraulic, 1/4" BSPP female ports	2
2	GA3500269	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPT male	3
3	GA3500211	Hydraulic adaptor, Socket, 1/4" BSPT female x 1/4" BSPT female	2
4	GA5078076	Gauge, Pressure, 250 bar, 3500psi	2
5	GA5049800	SHCS M4 x 40 GR12.9 ZP	2
6	GA5020510	Washer 4mm Flat SS	4
7	GA5003501	Nut M4 Nyloc ZP	2

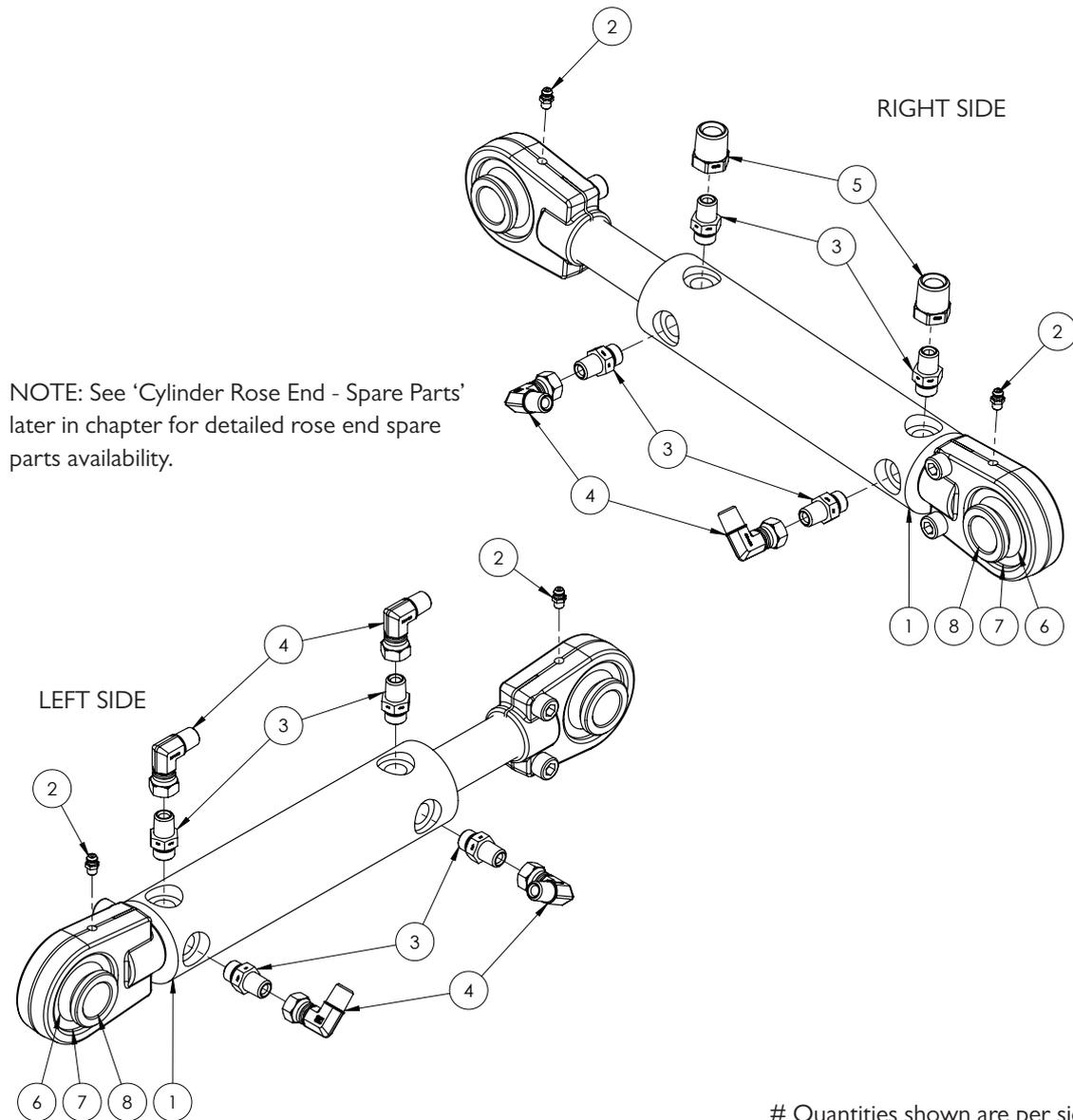
# Hydraulic Cylinder - Boom Lift



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5055510	Kit, Rod Eye, Weld on	-
-	GA5052731	Seal kit, suit 3" bore x 2 1/2" rod	-
1	GA5070081	Hydraulic cylinder, 3" bore, 2 1/2" rod, 26" stroke, pin eye ends with glacier bushes and grease nipples	1
2	GA5000835	Valve, Ball, Hydraulic, 1/2" female thread inlet / outlet	1
3	GA5012203	Grease nipple, Short, 1/4" UNF	2
4	GA5065487	Glacier Bush 1" ID x 1" long	4
5	GA3500349	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" UN male O-ring	1
6	GA3500223	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPT male	1

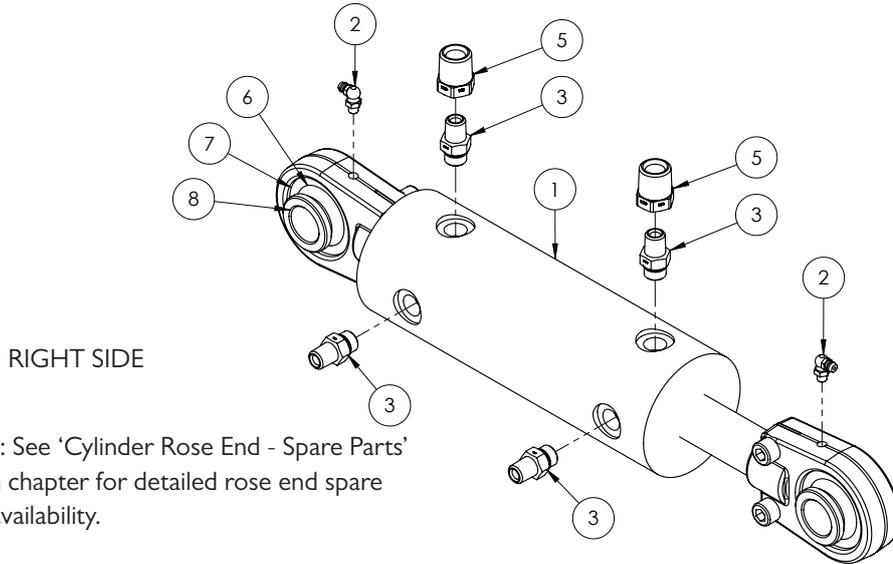
# Hydraulic Cylinder - Yaw 30-36m



# Quantities shown are per side.

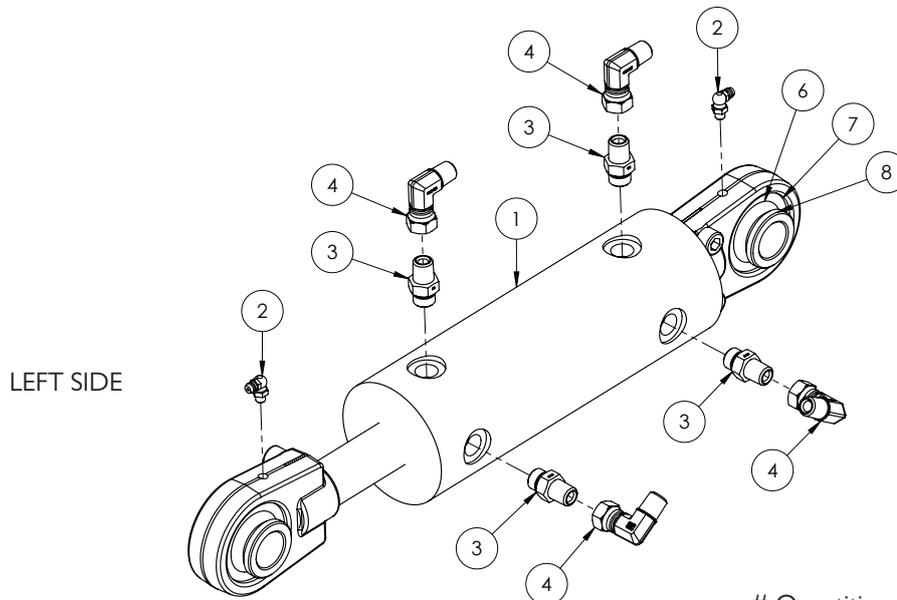
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5052745	Seal Kit, suit 2" bore x 1 1/4" rod, suit GA5060817	-
1	GA5060817	Hydraulic cylinder, 2" bore x 1 1/4" rod x 117.5mm stroke, Spherical bearing ends	1
2	GA5012203	Grease nipple, Short, 1/4" UNF	2
3	GA3500358	Hydraulic adaptor, Nipple, 1/4" BSPT male x 9/16" UN male O-ring	4
4	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	4
5	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female	2
6	GA5067605	Bearing, suit screw on rose end	2
7	GA5067610	Circlip, suit bearing screw on rose end	2
8	GA5021925	Small bearing bush, Suit screw on rose end	2

# Hydraulic Cylinder - Yaw 42m



RIGHT SIDE

NOTE: See 'Cylinder Rose End - Spare Parts' later in chapter for detailed rose end spare parts availability.

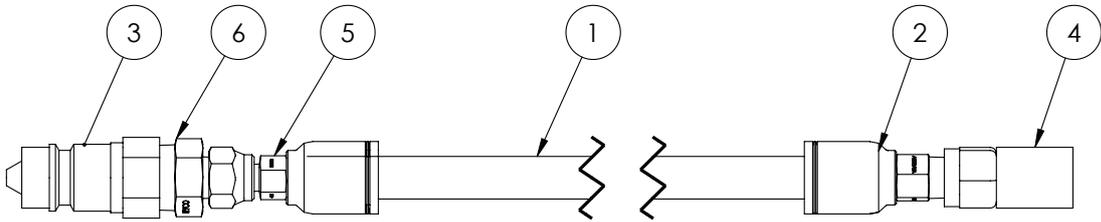


LEFT SIDE

# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5052732	Seal kit, suit 3" bore x 1 1/4" rod, suit GA5060818	-
1	GA5060818	Hydraulic cylinder, 3" bore x 1 1/4" rod x 117.5mm stroke, with bearing ends	1
2	GA5009637	Grease nipple, Elbow, 90 degree, 1/4" UNF male	2
3	GA3500358	Hydraulic adaptor, Nipple, 1/4" BSPT male x 9/16" UN male O-ring	4
4	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	4
5	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female	2
6	GA5067605	Bearing, suit screw on rose end	2
7	GA5067610	Circlip, suit bearing screw on rose end	2
8	GA5021925	Small bearing bush, Suit screw on rose end	2

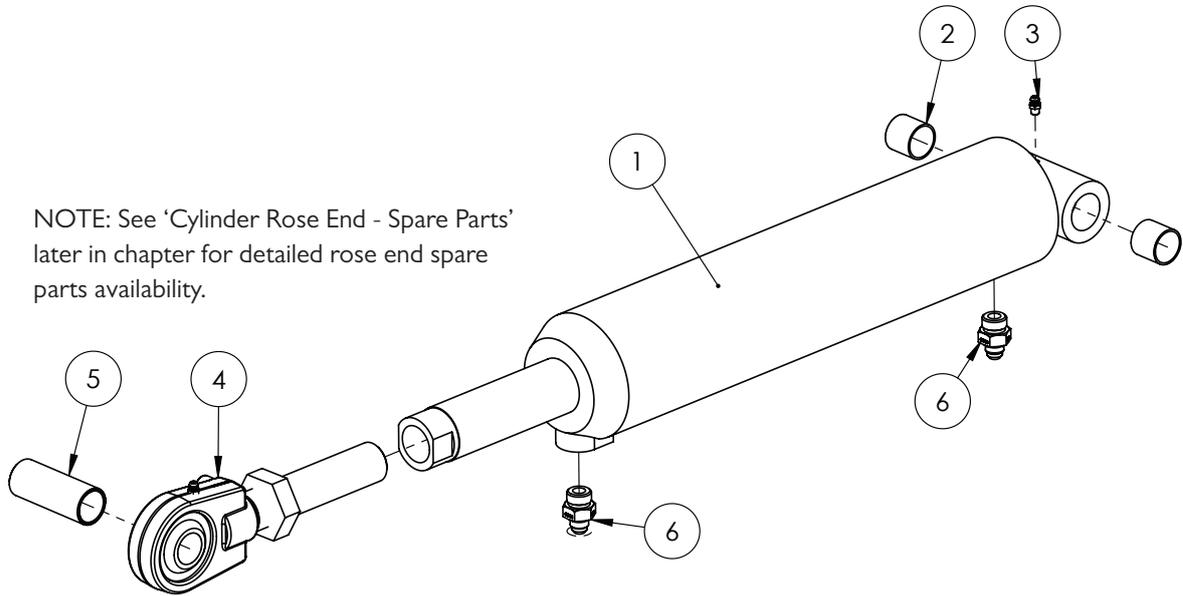
# Hydraulic Cylinder - Yaw Charge Line



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4903220	Hose assembly charge / discharge line for hydraulic yaw suspension	-
1	GA5049695	Hose, Hydraulic, 1/4", 2 wire, Black	1
2	GA3500394	Hydraulic crimp coupling, Straight, 1/4" hose x 1/4" BSPT male	1
3	GA5078000	Quick connect fitting, 1/2" male tip x 1/2" female thread	1
4	GA5077350	Adaptor, Direct Gauge, M16 x 2.0 female x 1/4" BSPP female	1
5	GA3500397	Hydraulic crimp coupling, Straight, 1/4" hose x 1/4" BSPP female swivel	1
6	GA3500221	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/4" BSPT male	1

# Hydraulic Cylinder - Boom Tilt

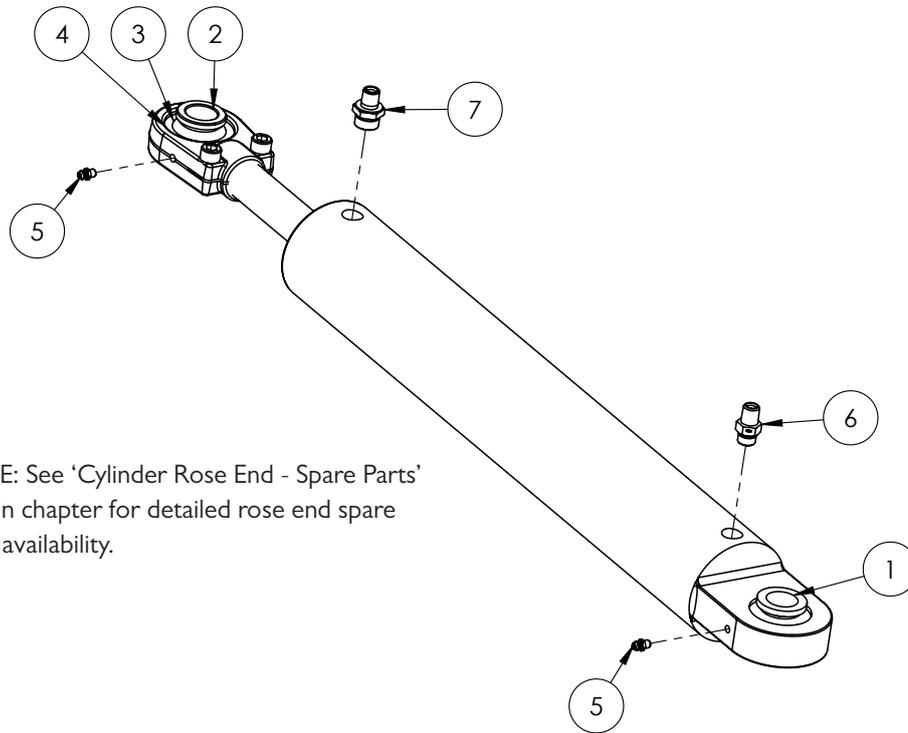
NOTE: See 'Cylinder Rose End - Spare Parts' later in chapter for detailed rose end spare parts availability.



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5052730	Seal kit, suit 3 1/2" bore x 1 3/4" Rod	-
1	GA5065051	Hydraulic cylinder, 3 1/2" bore x 1 3/4" rod x 5" stroke	1
2	GA5065487	Glacier Bush 1" ID x 1" long	2
3	GA5012203	Grease nipple, Short, 1/4" UNF	2
4	GA5052762	Hydraulic tilt cylinder adjusting rod end, Ball End with nut, suit 3 1/2" x 5" tilt ram GA5065051	1
	GA5067605	Bearing, suit screw on rose end, GEG 30 ES 2RS	-
	GA5067610	Circlip, suit bearing screw on rose end, RTW 55	-
5	GA4572535	Bush, Rose end pivot wide suit tilt ram	1
6	GA3500147	Hydraulic adaptor, Nipple, 9/16" JIC male x 3/4" UN male O-ring	2

# Hydraulic Cylinder - Fold

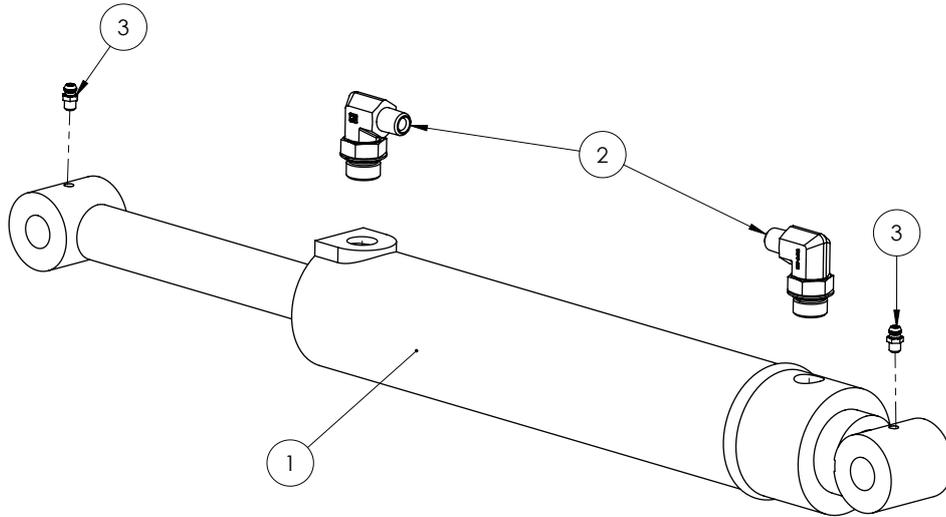


NOTE: See 'Cylinder Rose End - Spare Parts' later in chapter for detailed rose end spare parts availability.

# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5018538	30-36 m - Hydraulic cylinder, 3" bore x 1 1/4" rod x 18" stroke	1
-	GA5018538	42 m - Hydraulic cylinder, 3" bore x 1 1/4" rod x 18" stroke	2
-	GA5052680	Seal Kit, suit 3" bore x 1 1/4" rod, suit cylinder GA5018538, GA5018540	-
-	GA3500098	Rod, suit Hydraulic Fold Cylinder GA5018538, GA5018540, GA5018542	-
1	GA5021930	Large bearing bush, Suit screw on rose end	2
2	GA5021925	Small bearing bush, Suit screw on rose end	2
3	GA5067605	Bearing, suit screw on rose end, GEG 30 ES 2RS	2
4	GA5067610	Circlip, suit bearing screw on rose end, RTW 55	2
5	GA5012203	Grease nipple, Short, 1/4" UNF	2
6	GA3500359	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/4" UN male O-ring	1
7	L068A	Reducing restrictor nipple, 3/4" UNO x 1/4" BSPT, 1.5mm orifice	1

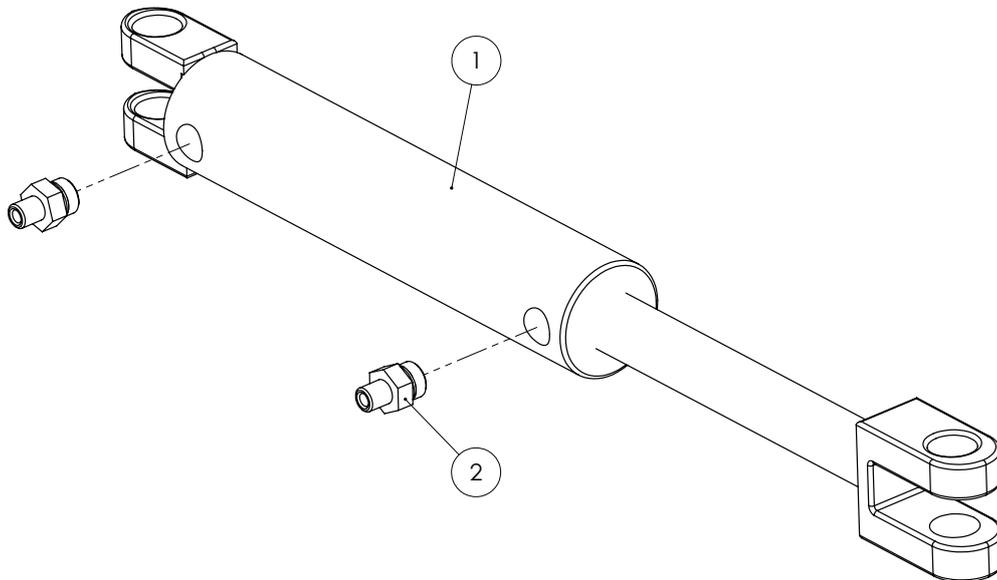
## Hydraulic Cylinder - Bi-fold



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5052733	Seal kit, suit 2 1/2" bore x 1 1/4" rod, suit GA5070845	-
1	GA5070845	Hydraulic Cylinder, 293mm stroke, 2 1/2" Bore, 1 1/4" Rod	1
2	GA3500348	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 3/4" UN male O-ring	2
3	GA5012203	Grease nipple, Short, 1/4" UNF	2

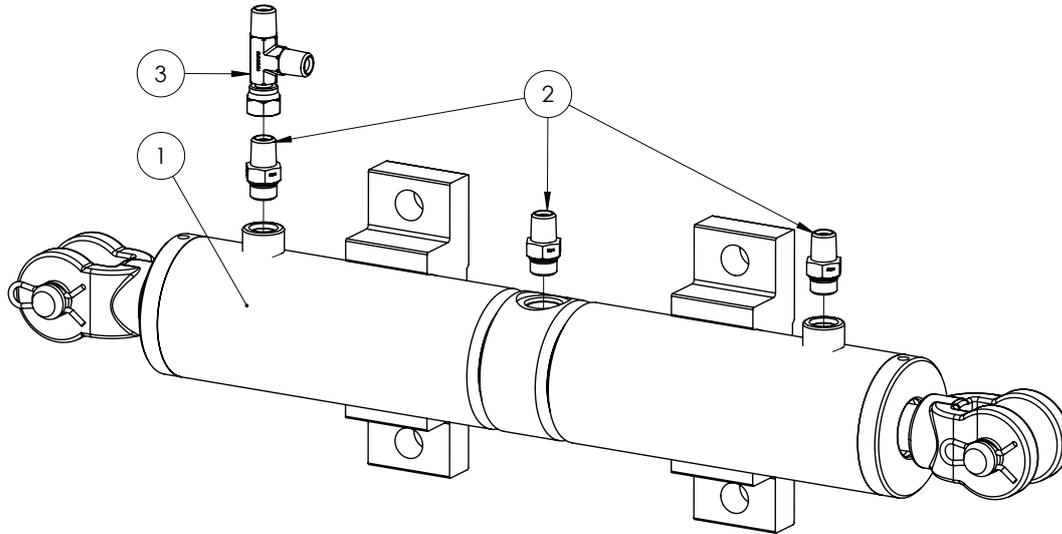
## Hydraulic Cylinder - Boom Rest



# Quantities shown are per side.

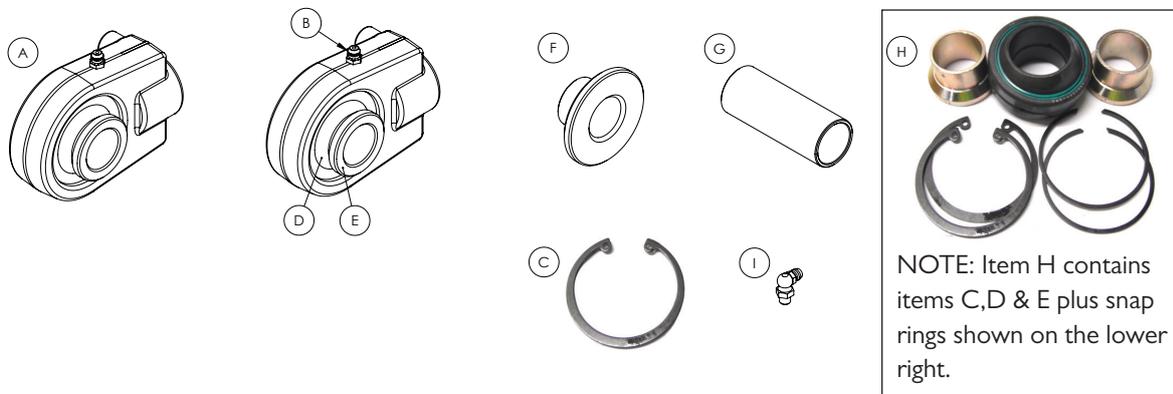
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069110	Hydraulic cylinder, Boom rest, 2" bore x 6" stroke, std F clevis	1
2	GA3500359	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/4" UN male O-ring	2
-	GA5052734	Seal kit, suit 2" bore x 1.25" rod, suit GA5069110	-

## Hydraulic Cylinder - Centre Leveling



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500477	Hydraulic Cylinder, Centre Level	1
2	GA3500359	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/4" UN male O-ring	3
3	GA3500199	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPP female	1

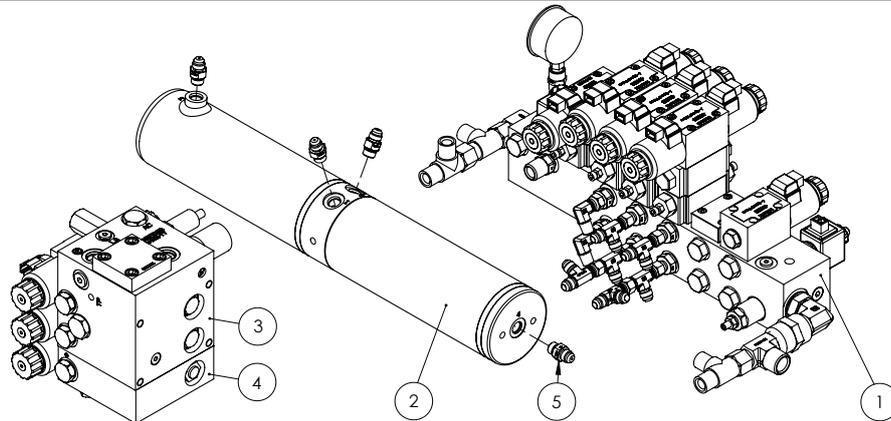
## Cylinder Rose End - Spare Parts



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
A	GA5052965	Complete Rose end, M28 Screw on, suit Hydraulic cylinder & Delta link, including Bushes (Item E)	1
B	GA5012203	Grease nipple, Short, 1/4" UNF	1
C	GA5067610	Circlip, suit bearing screw on rose end, RTW 55	2
D	GA5067605	Bearing, suit screw on rose end, GEG 30 ES 2RS	1
E	GA5021925	Small bearing bush, Suit screw on rose end, Hypower, R-10424	2
F	GA5021930	Large bearing bush, Suit screw on rose end, Hypower, R-10429	2
G	GA4572535	Bush, Rose end pivot wide suit tilt ram	1
H	GA5052966	Bearing Kit, suit screw on rose end, cylinders and delta links	1
I	GA5009637	Grease nipple, Elbow, 90 degree, 1/4" UNF male	1

NOTE: Quantities shown represent the number of parts needed per rose end and depend on your configuration e.g. the rose end will have either 2x Item E or 2x Item F but not both.

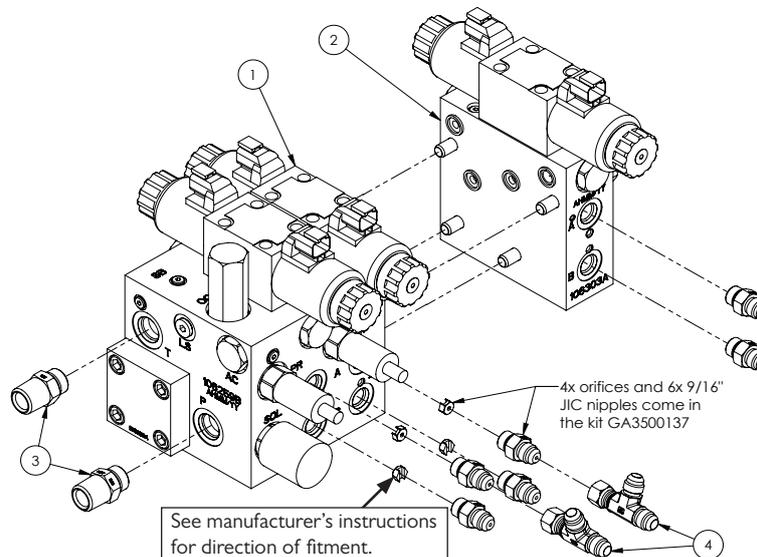
# NORAC Assembly & Spool Block



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	*	Spool valve manifold	1
2	GA3500136	Hydraulic cylinder, Wing roll with position sensor, Norac	1
3	GA3500138	Valve block, 2 station assembly, Open centre, Proportional, DT 4 Bolt	1
	GA3500164	Valve block, 2 station assembly, Closed centre, Load sense, DT 4 Bolt	1
4	GA3500139	Valve block, expansion assembly, DPOC PROP DT 4 bolt, Norac	1
5	GA3500146	Hydraulic adaptor, Nipple, 9/16" JIC male x 9/16" UN male O-ring	4

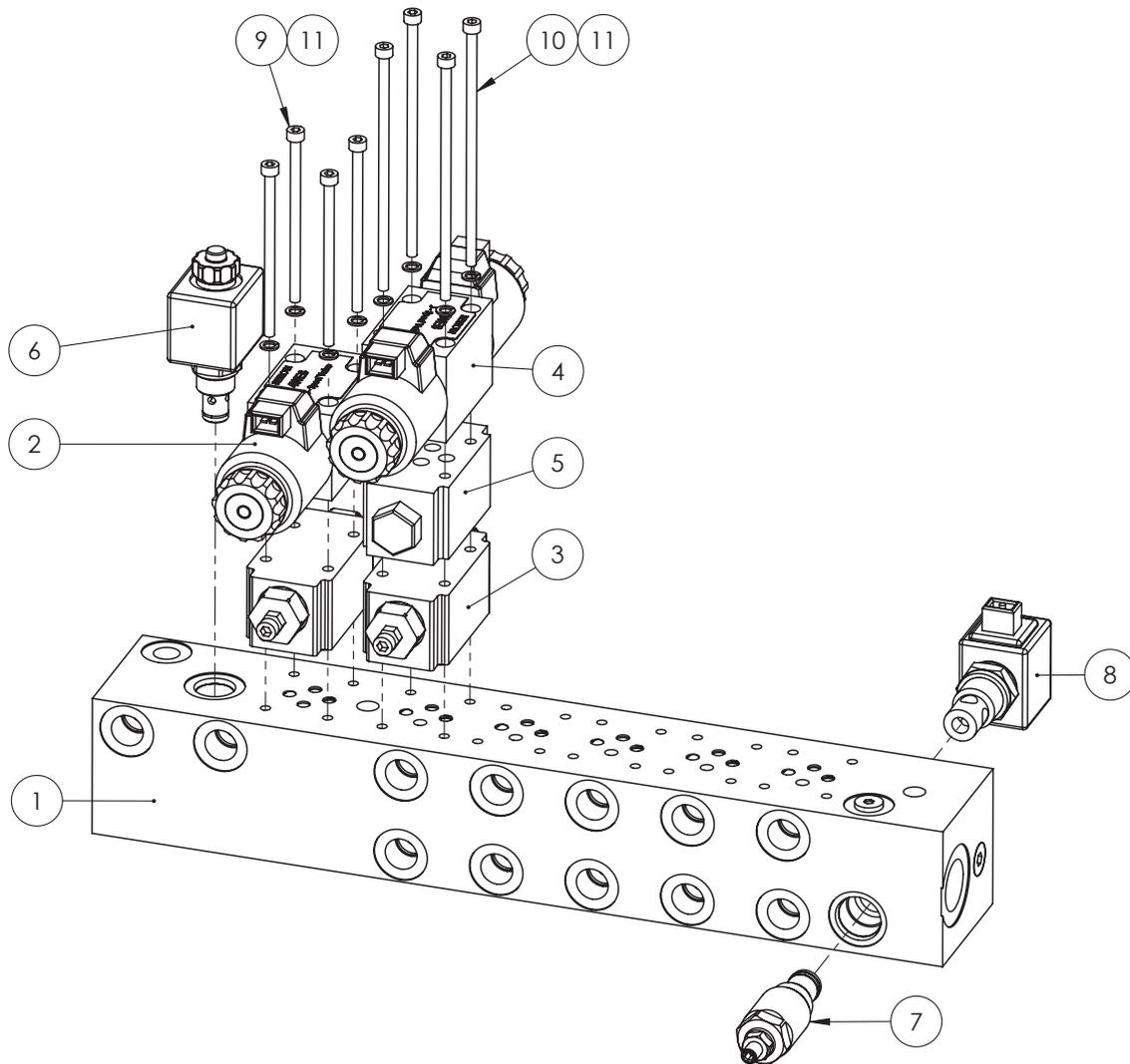
\* Sub-assembly on following pages

## NORAC Valve Block



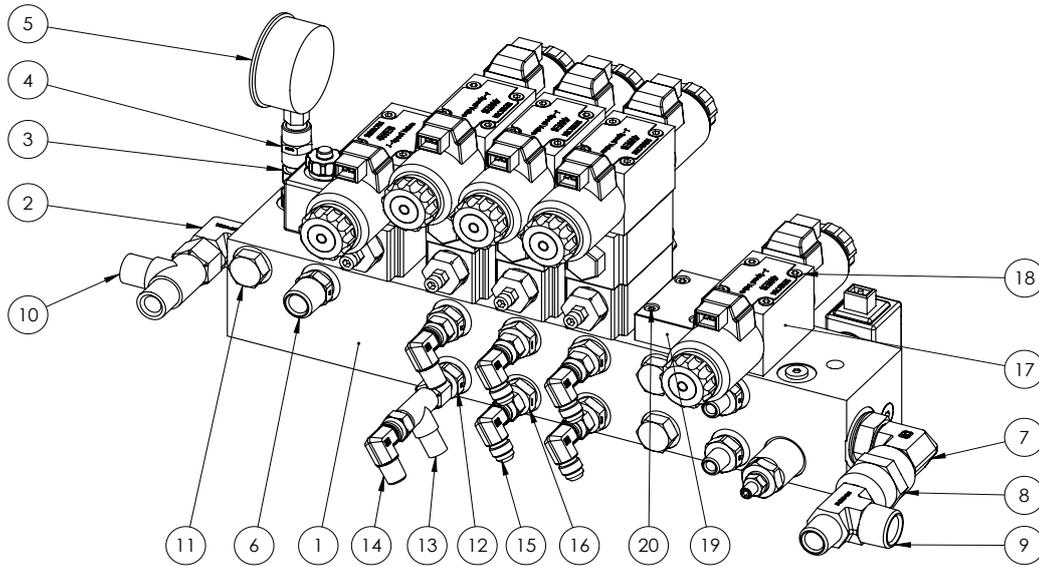
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA3500827	Solenoid Poppet Valve, Deutsch Connector with Override	-
-	GA3500137	Hydraulic fitting kit, 12 parts, GNI, Norac	-
1	GA3500138	Valve block, 2 station assembly, Open centre, Proportional, DT 4 Bolt	1
2	GA3500139	Valve block, expansion assembly, DPOC PROP DT 4 bolt, Norac	1
3	GA3500363	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/4" UN male O-ring	1
4	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel	1

## Spool Block - Parts in Common



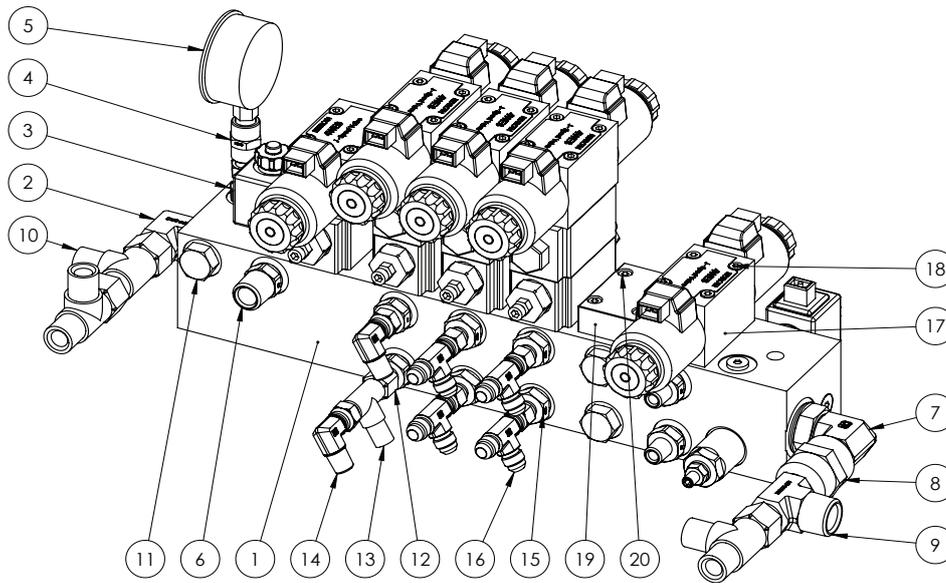
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5047750	Solenoid coil, 12V DC, Slip on, 2 pin AMP	-
1	GA5047759	Manifold, Blank, 6 Station spool, Bare	1
2	GA5047727	Valve Hydraulic, J spool, 12V, Single, 2 pin amp connector	1
3	GA5047581	Hydraulic Valve, Flow control, NG6 A+B, Suit spool	2
4	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	1
5	GA5017335	Valve check modular	1
6	GA5047734	Valve cart hyd sol poppet 2/2-8-2 cav 12vdc 2 pin amp without manual override, Boom lower	1
7	GA5047645	Cartridge Valve, Hydraulic Pressure Relief, Pilot Operated	1
8	GA5047737	Valve Cartridge, Hydraulic, Poppet, Solenoid, AMP Plug, 12V DC, Normally Open (Used for Open Centre System)	1
9	GA5067050	SHCS M5 x 90 GR12.9 ZP	4
10	GA5048570	SHCS M5 x 130 GR12.9 ZP	4
11	GA5003629	Washer 5mm Spring SS	8

# Spool Block - 30-36m - Base Assembly



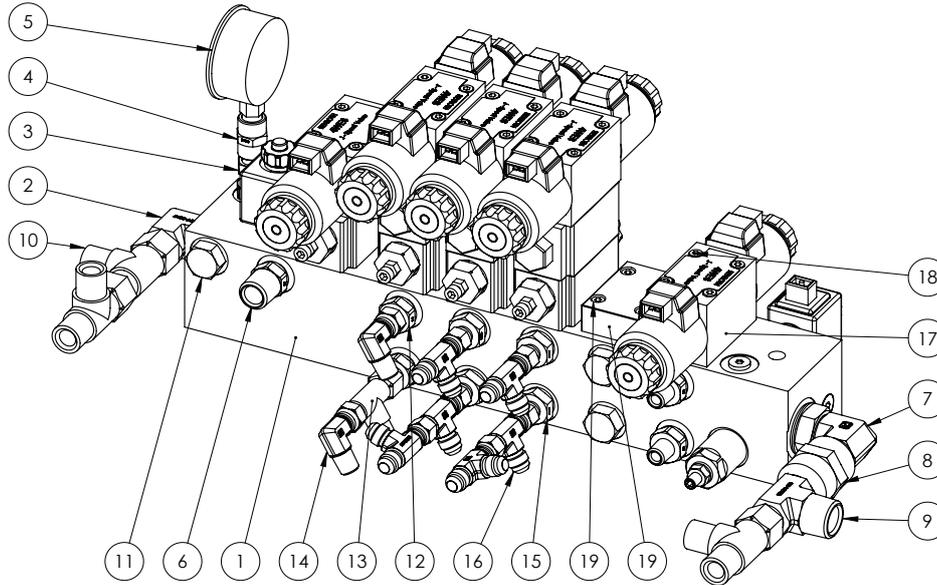
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	1
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	3
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	4
13	GA3500199	Hydraulic adaptor, Tee, 1/4 BSPT male x 1/4 BSPT male x 1/4 BSPP female	1
14	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
15	GA3500002	Hydraulic Adaptor Elbow, 90 Degree, 9/16" male JIC, 9/16" Female Swivel JIC	4
16	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
17	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	1
18	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
19	GA5047335	Plate blanking, Spool valve NG6	1
20	GA5003581	SHCS M5 x 20 SS A2-70	4

## Spool Block - 30-36m - NORAC Passive



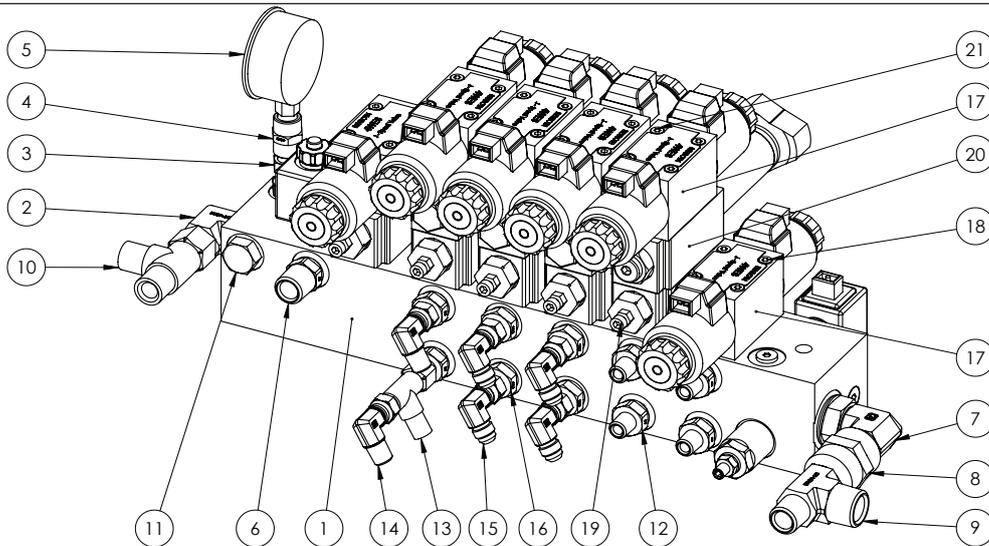
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	3
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	3
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	4
13	GA3500199	Hydraulic adaptor, Tee, 1/4 BSPT male x 1/4 BSPT male x 1/4 BSPP female	1
14	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
15	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
16	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel	4
17	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	1
18	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
19	GA5047335	Plate blanking, Spool valve NG6	1
20	GA5003581	SHCS M5 x 20 SS A2-70	4

# Spool Block - 30-36m - NORAC Active



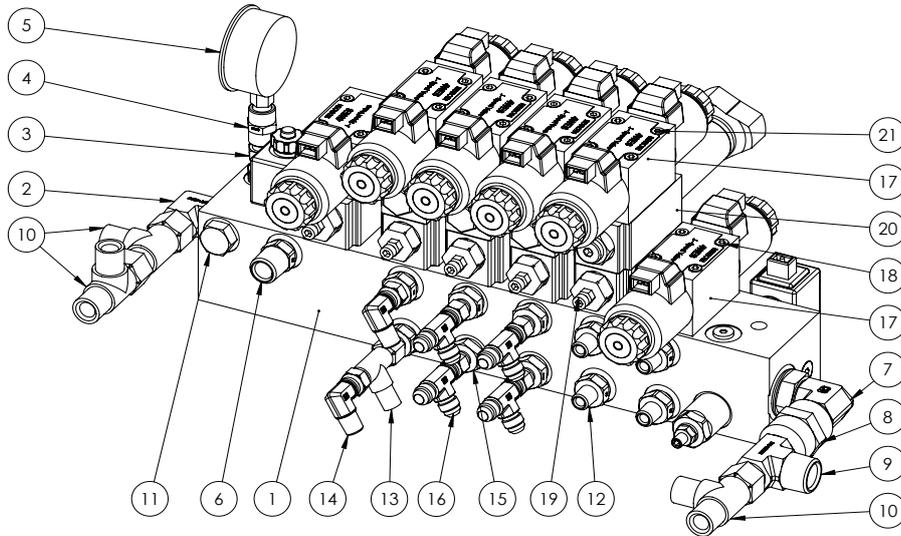
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	3
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	3
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	4
13	GA3500199	Hydraulic adaptor, Tee, 1/4 BSPT male x 1/4 BSPT male x 1/4 BSPP female	1
14	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
15	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
16	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel	6
17	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	1
18	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
19	GA5047335	Plate blanking, Spool valve NG6	1
20	GA5003581	SHCS M5 x 20 SS A2-70	4

## Spool Block - 30-36m - Bi-fold



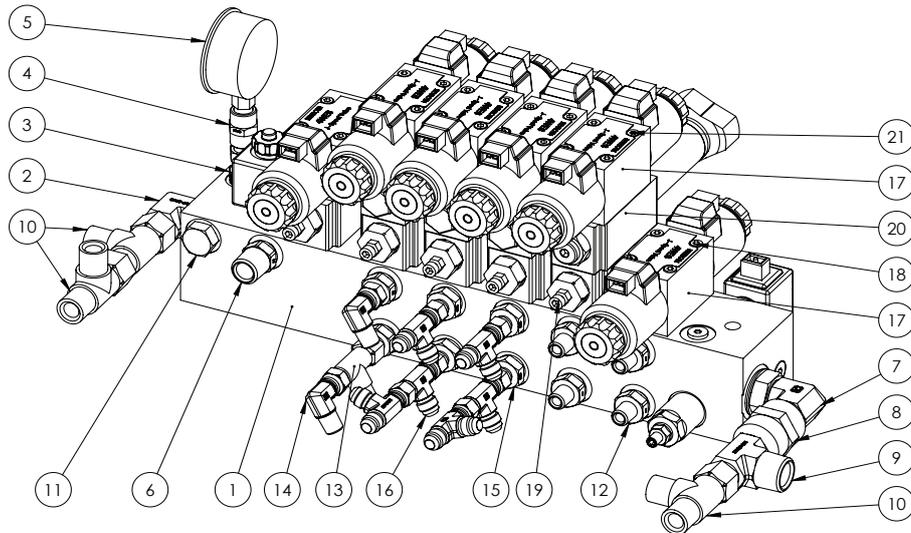
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	1
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	1
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	6
13	GA3500199	Hydraulic adaptor, Tee, 1/4 BSPT male x 1/4 BSPT male x 1/4 BSPP female	1
14	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
15	GA3500002	Hydraulic Adaptor Elbow, 90 Degree, 9/16" male JIC, 9/16" Female Swivel JIC	4
16	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
17	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	2
18	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
19	GA5047581	Hydraulic Valve, Flow control, NG6 A+B, Suit spool	1
20	GA5017373	Valve reducing modular	1
21	GA5048570	SHCS M5 x 130 GR12.9 ZP	4

## Spool Block - 30-36m - Bi-fold & NORAC Passive



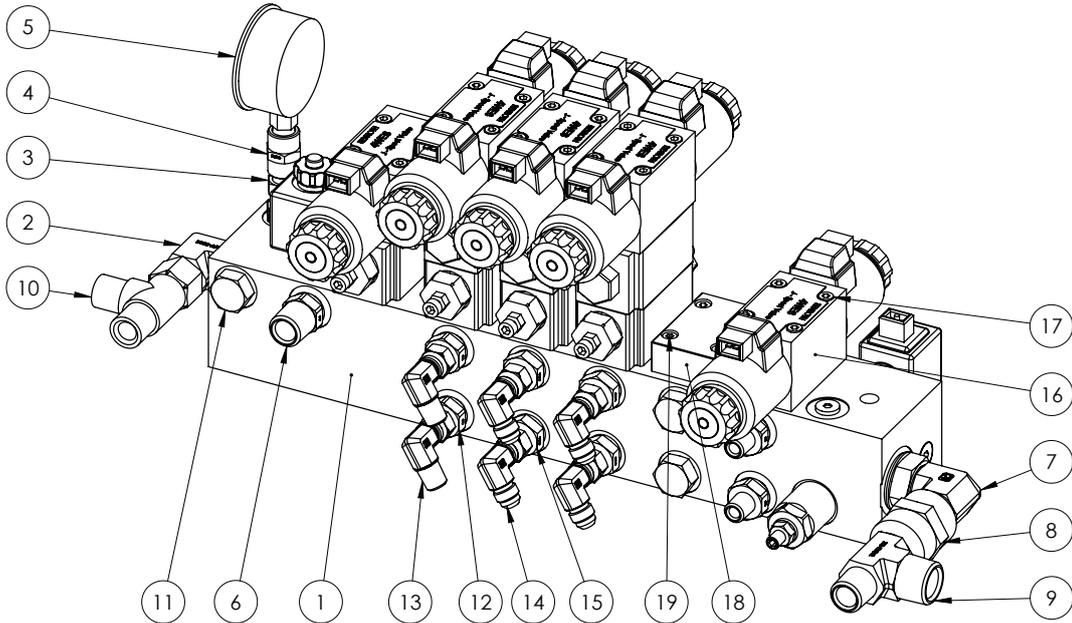
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	3
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	1
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	6
13	GA3500199	Hydraulic adaptor, Tee, 1/4 BSPT male x 1/4 BSPT male x 1/4 BSPP female	1
14	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
15	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
16	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel	4
17	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	2
18	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
19	GA5047581	Hydraulic Valve, Flow control, NG6 A+B, Suit spool	1
20	GA5017373	Valve reducing modular	1
21	GA5048570	SHCS M5 x 130 GR12.9 ZP	4

## Spool Block - 30-36m - Bi-fold & NORAC Active



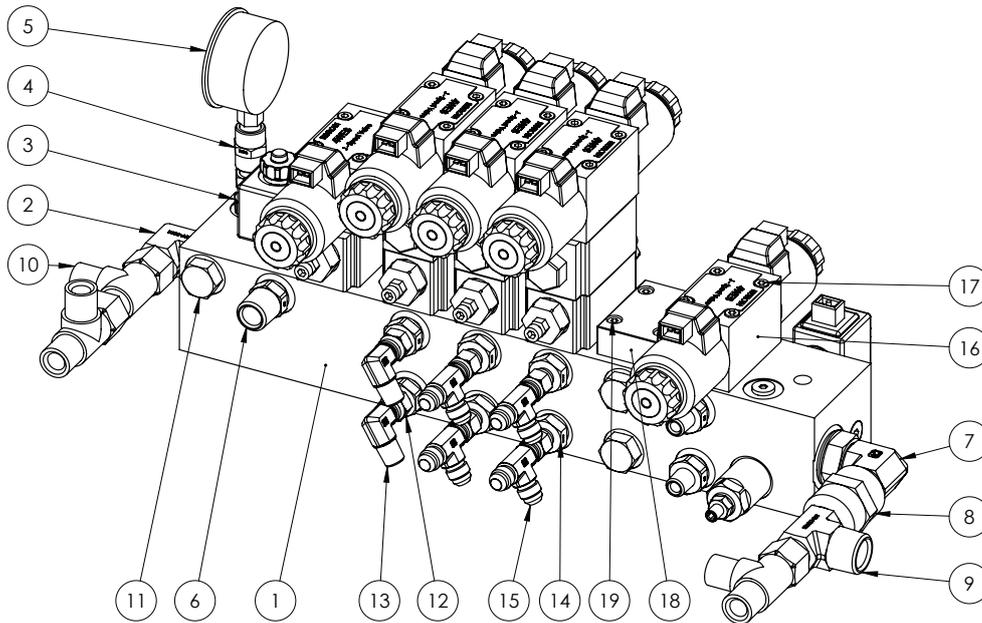
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	3
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	1
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	6
13	GA3500199	Hydraulic adaptor, Tee, 1/4 BSPT male x 1/4 BSPT male x 1/4 BSPP female	1
14	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
15	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
16	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel	6
17	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	2
18	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
19	GA5047581	Hydraulic Valve, Flow control, NG6 A+B, Suit spool	1
20	GA5017373	Valve reducing modular	1
21	GA5048570	SHCS M5 x 130 GR12.9 ZP	4

## Spool Block - 42m - Base Assembly



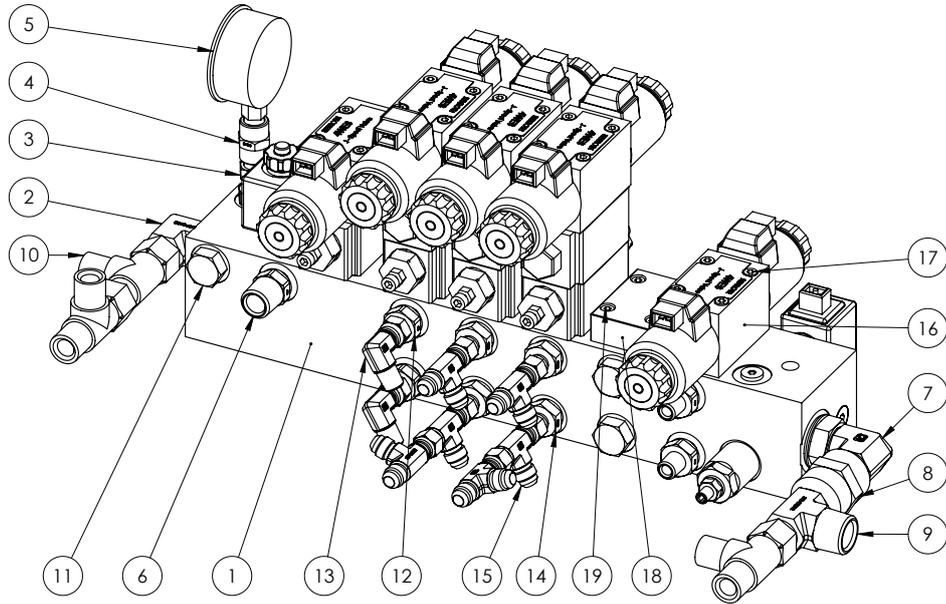
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	1
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	3
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	4
13	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
14	GA3500002	Hydraulic Adaptor Elbow, 90 Degree, 9/16" male JIC, 9/16" Female Swivel JIC	4
15	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
16	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	1
17	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
18	GA5047335	Plate blanking, Spool valve NG6	1
19	GA5003581	SHCS M5 x 20 SS A2-70	4

## Spool Block - 42m - NORAC Passive



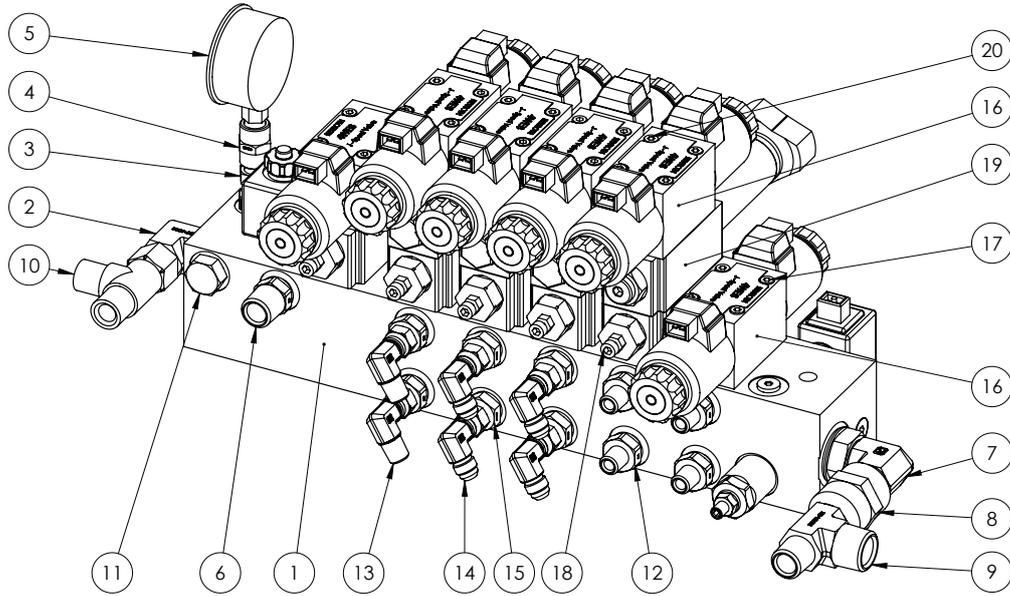
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	3
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	3
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	4
13	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
14	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
15	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel	4
16	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	1
17	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
18	GA5047335	Plate blanking, Spool valve NG6	1
19	GA5003581	SHCS M5 x 20 SS A2-70	4

# Spool Block - 42m - NORAC Active



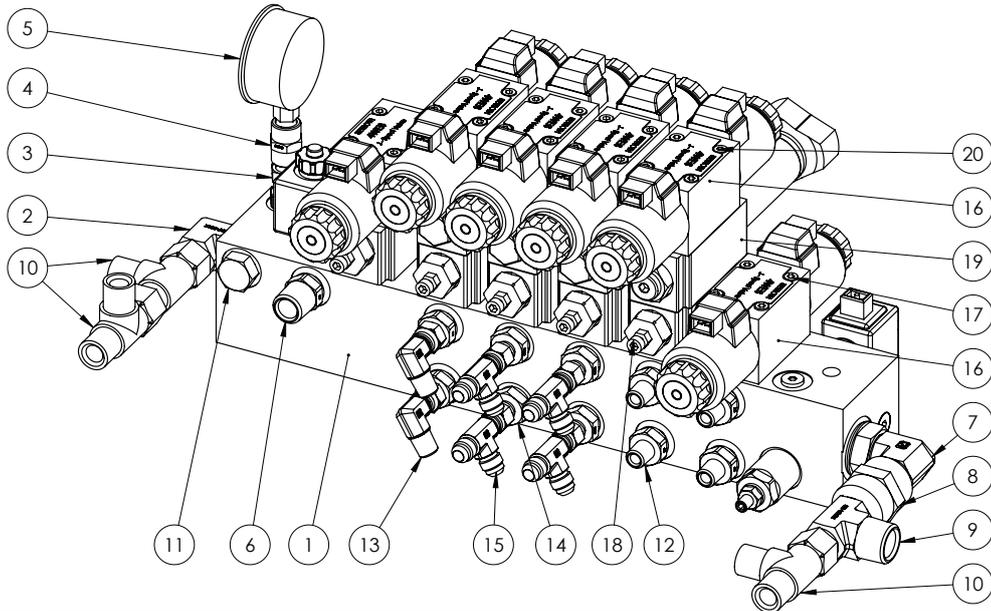
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	3
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	3
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	4
13	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
14	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
15	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel	6
16	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	1
17	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
18	GA5047335	Plate blanking, Spool valve NG6	1
19	GA5003581	SHCS M5 x 20 SS A2-70	4

# Spool Block - 42m - Bi-fold



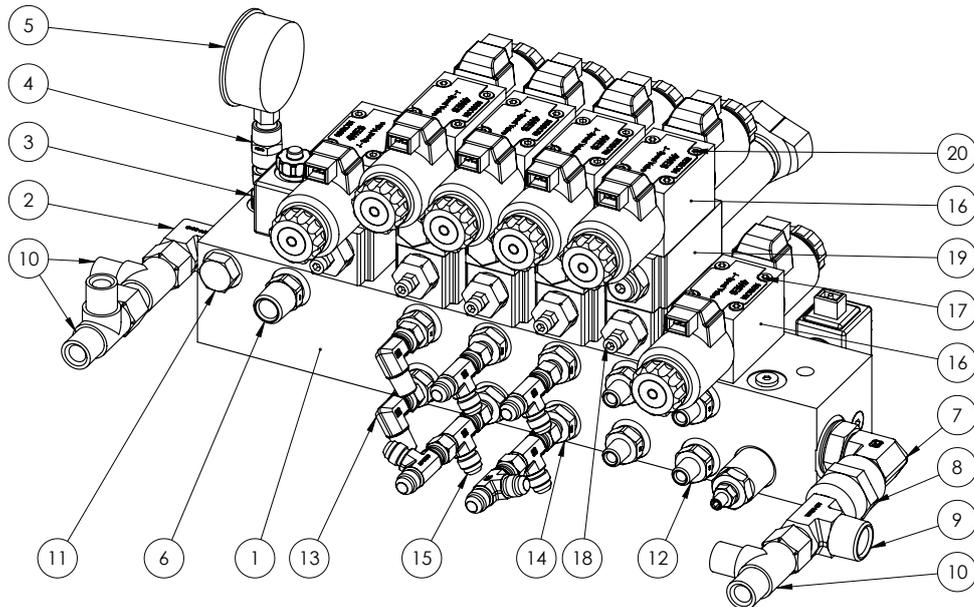
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	1
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	1
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	6
13	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
14	GA3500002	Hydraulic Adaptor Elbow, 90 Degree, 9/16" male JIC, 9/16" Female Swivel JIC	4
15	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
16	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	2
17	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
18	GA5047581	SHCS M5 x 20 SS A2-70	1
19	GA5017373	Valve reducing modular	1
20	GA5048570	SHCS M5 x 130 GR12.9 ZP	4

## Spool Block - 42m - Bi-fold & NORAC Passive



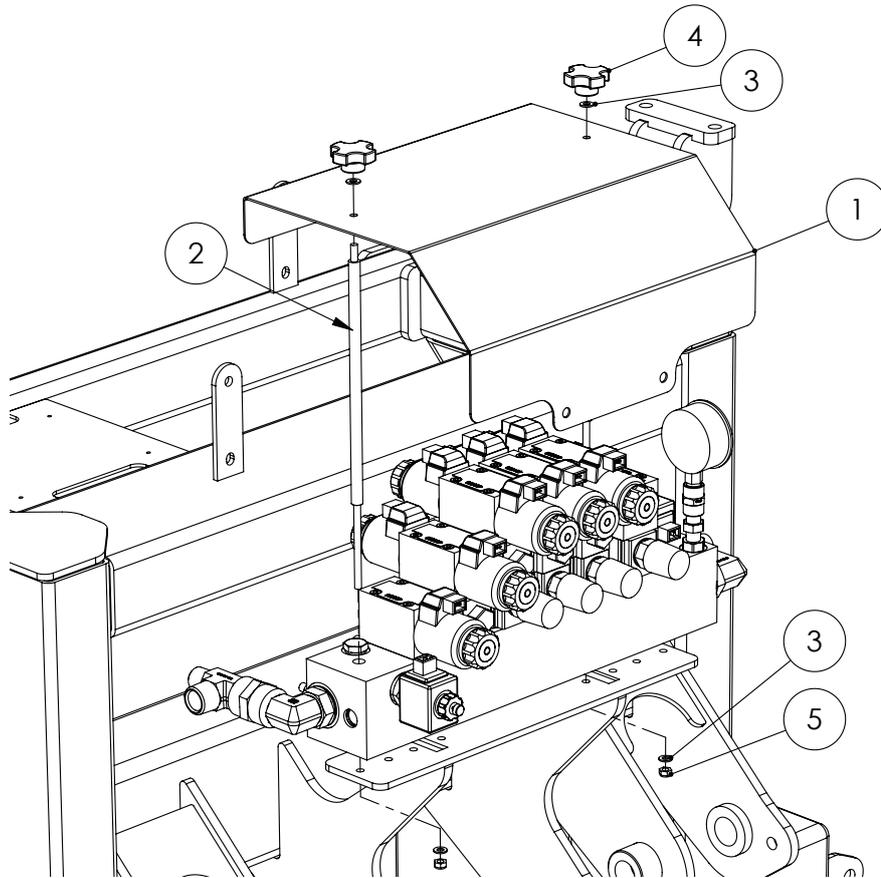
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	3
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	1
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	6
13	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
14	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
15	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel	4
16	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	2
17	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
18	GA5047581	Hydraulic Valve, Flow control, NG6 A+B, Suit spool	1
19	GA5017373	Valve reducing modular	1
20	GA5048570	SHCS M5 x 130 GR12.9 ZP	4

## Spool Block - 42m - Bi-fold & NORAC Active



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047741	Manifold Assembly Option THREE Normally open Fitted with AMP plug coils	1
2	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
3	-	Gauge fitment no longer requires adaptor	-
4	-	Gauge fitment no longer requires adaptor	-
5	GA5078076	Gauge, Pressure, 250 bar, 3500psi	1
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
7	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
8	GA3500213	Hydraulic adaptor, Socket, 3/4" BSPT female x 3/4" BSPT female	1
9	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
10	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	3
11	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	1
12	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	6
13	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	2
14	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male	4
15	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel	6
16	GA5047726	Valve solenoid J spool 12v 2 pin amp connector	2
17	GA5054410	SHCS M5 x 50 GR12.9 ZP	4
18	GA5047581	Hydraulic Valve, Flow control, NG6 A+B, Suit spool	1
19	GA5017373	Valve reducing modular	1
20	GA5048570	SHCS M5 x 130 GR12.9 ZP	4

# Spool Valve Mounting Assembly



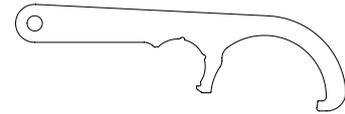
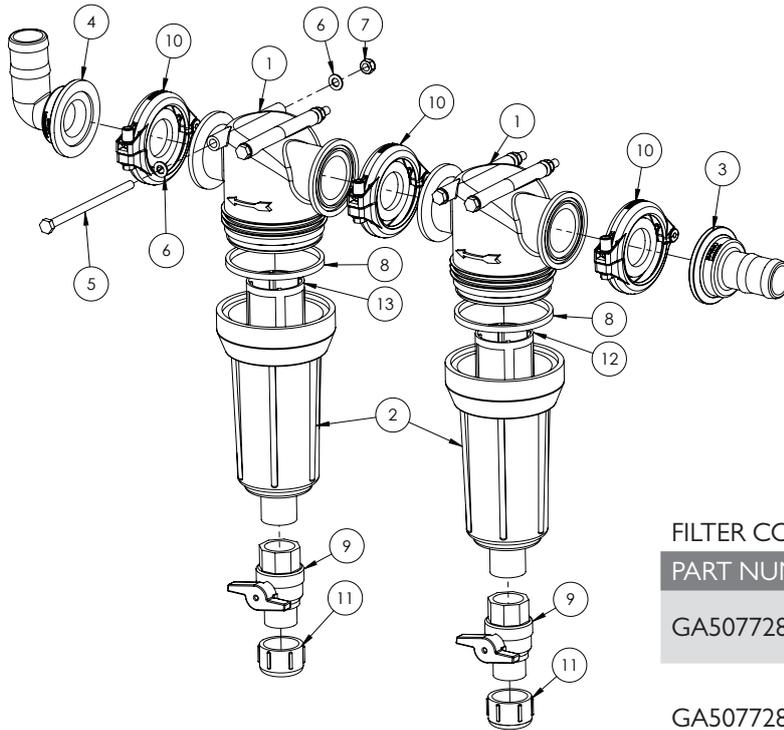
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	COMP0013	Spool valve cover	1
2	MACH0035	Mounting Bolts, for solenoid cover	2
3	GA5004437	Washer 6mm Flat SS	4
4	GA5069870	Knob, Star grip, M6 x 32 DIA	2
5	GA5048115	Nut M6 Nyloc ZP	2



# Chapter 19

## PLUMBING

### Dual Pressure Filter Assembly



Pressure Filter Tool  
GA4522610

#### FILTER MESH ALTERNATES

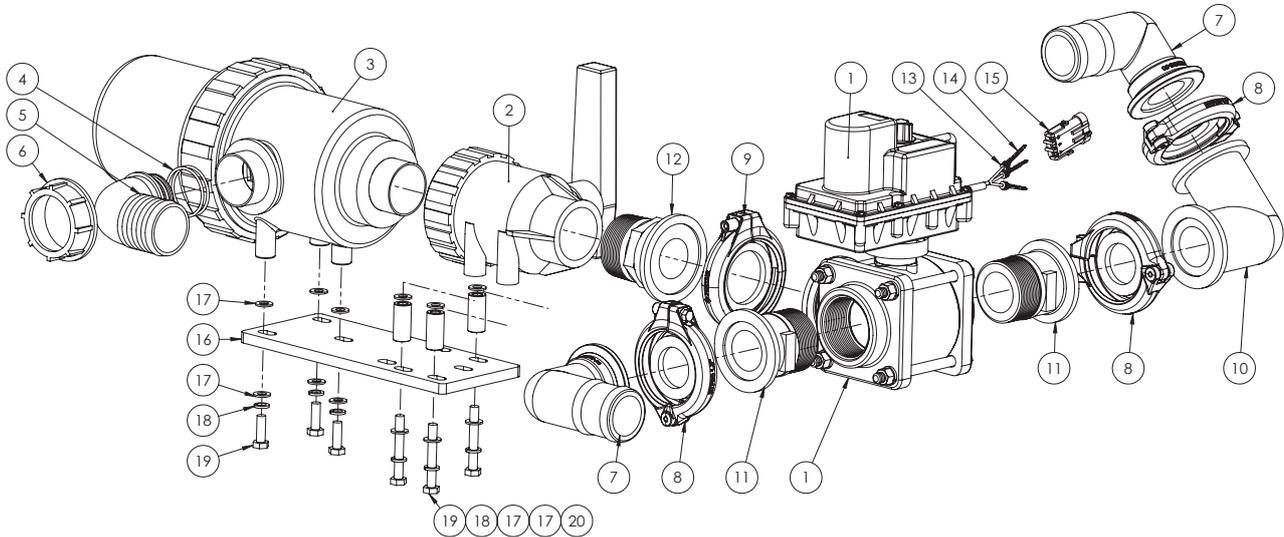
PART NUMBER	DESCRIPTION
GA5077391	16 mesh
GA5077392	32 mesh
GA5077393	50 mesh
GA5077394	80 mesh
GA5077395	100 mesh
GA5077396	120 mesh

#### FILTER COMPLETE

PART NUMBER	DESCRIPTION
GA5077285	Filter, 75 series flange inlet & outlet, with 80 mesh, Blue
GA5077284	Filter, 75 series flange inlet & outlet, with 100 mesh, Green

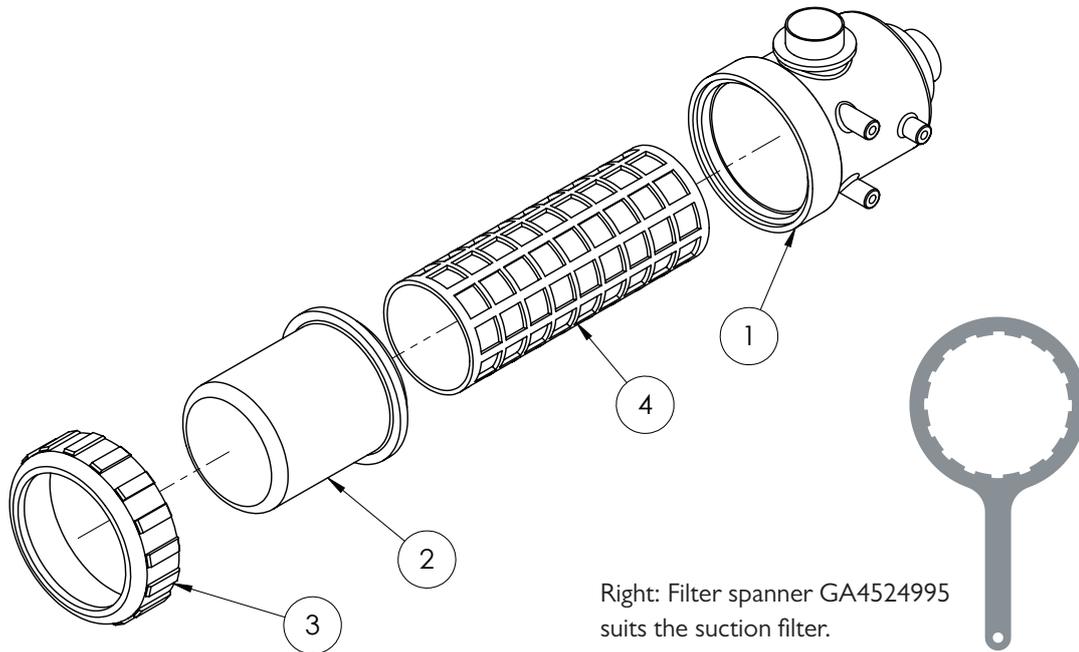
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078386	Strainer head, 1 1/2" inlet / outlets	2
2	GA5077539	Filter bowl	2
3	GA5077833	Hose barb, Flange, Straight, 2" flange x 1 1/2" hose	1
4	GA5077834	Hose barb, Elbow, 90 degree, 2" flange x 1 1/2" hose	1
5	GA5011503	Bolt M8 x 140 ZP GR8.8	4
6	GA5003643	Washer 8mm Flat SS HD	8
7	GA5004917	Nut M8 Nyloc ZP	4
8	GA5077541	Seal, 98 OD x 91 ID x 7mm thick, EPDM type - Alternate	2
	GA5077542	Seal, 98 OD x 91 ID x 7mm thick, VITON type - Alternate	
9	GA5067620	Ball Valve, 1" Male / Female, Tee Handle, Brass	2
10	GA2000114	Flange Clamp, and Gasket, 1.5", series 200, Hypro	3
	GA5077540	Filter bowl cap, AA126, Polypropylene	2
11	GA5077564	Seal, suit GA5077540, EPDM type - Alternate	2
	GA5077565	Seal, suit GA5077540, VITON type - Alternate	
12	GA5077394	Filter screen, 80 mesh, Blue, SS & polypropylene	1
13	GA5077395	Filter screen, 100 mesh, Green, SS & polymer	1

# Suction Filter Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA2000018	Ball Valve, Electric 3 way, 2" Full Port	1
2	GA5076981	Valve, Ball, 2 way, 2" female thread inlet / outlet, Lever handle	1
3	GA5076799	Filter, Suction, 317, 2" BSP male inlet and outlet, 32 mesh screen	1
4	GA5048385	O ring, 42.5 x 2.62 mm, BS131, suit 2" hose barb	2
5	GA5076262	Hose barb, Elbow, 90 degree, 2" fly nut end x 52 mm hose	1
6	GA5076605	Fly nut, 2"	1
7	GA5077838	Hose barb, Elbow, 90 degree, 2" flange x 2" hose	2
8	GA2000114	Flange Clamp, with Gasket, 1.5"	3
9	GA2000115	Flange Clamp, with Gasket, 2"	1
10	GA5077842	Elbow, 90 degree, 2" flange x 2" flange	1
11	GA5077839	Connector, Manifold, 2", Male	2
12	GA2000022	Flange Adaptor, 2" Full Port, 2" BSP Male	1
13	GA5014857	Seal, Green, Weather pack connector, Wire from 2.03 - 2.85mm	3
14	GA5016617	Pin, Male, Sealed, Weather pack, Wire 1.0 - 2.0mm	3
15	GA5048550	Connector, Female, 3 Pin, Weather pack	1
16	GA4507315	Plate Filter Mount Suit Electric Suction Valve	1
17	GA5003643	Washer 8mm Flat SS HD	12
18	GA5004919	Washer 8mm Spring SS	6
19	GA5011489	Bolt M8 x 60 GR8.8 ZP	6
20	GA4552135	Spacer for Altek Rotary valve	3

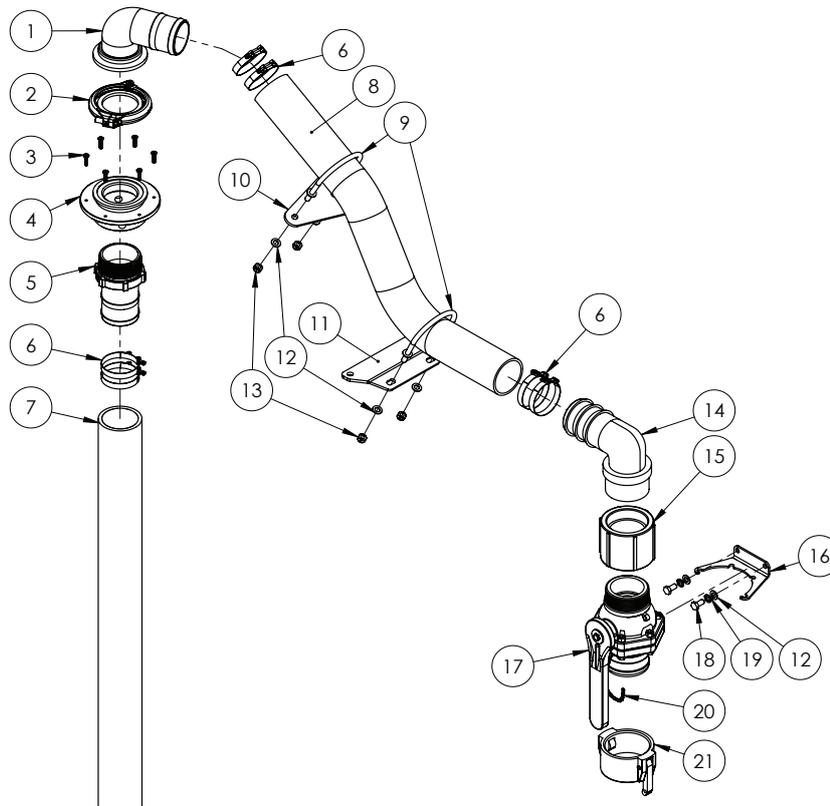
## Suction Filter Bowl Assembly



Right: Filter spanner GA4524995 suits the suction filter.

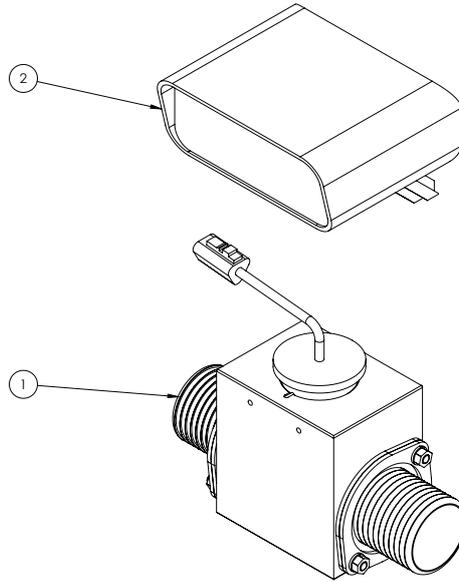
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5076799	Suction filter, 317, 2" BSP male inlet / outlet, 32 mesh - Complete	-
1	GA5076773	Filter Body, 317, "2", Inlet Outlet thread	1
	GA5076793	317 Suction Filter Bowl	1
2	GA5076769	O Ring 126.4 x 7 mm, suit 317 filter bowl, BS429 - Alternate	1
	GA5076770	O Ring 126.4 x 7 mm, suit 317 filter bowl, Viton - Alternate	1
3	GA5076768	Nut, Plastic, Suit 317 suction filter, 8 Threads	1
	GA5076797	32 Mesh Screen - Red - Standard fitment	
4	GA5076795	50 Mesh Screen - Blue - Alternate	1
	GA5076798	80 mesh Screen - Yellow - Alternate	
	GA5077684	O ring, 2.62 x 94.92 mm, EPDM, GI 1046, suits filter screen	2

## 3" Direct Fill - Front Mount Option



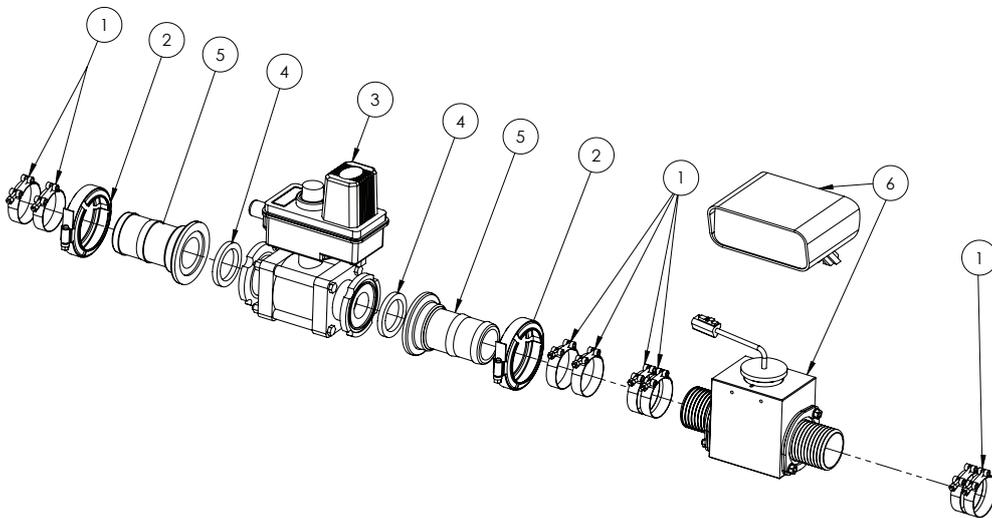
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077875	Hose barb, Elbow, 90 degree, 3" flange x 3" hose	1
2	GA2000116	Flange Clamp, and Gasket, 3"	1
3	GA5000527	Screw Pan Head 12g x 25mm SS	6
4	GA4550590	Tank Top Inlet Fitting, 3" Banjo Flange and 3" NPT Female Thread	1
5	GA5077741	Hose barb, Straight, 3" male thread x 3" hose	1
6	GA5003835	Hose Clamp 3" S/Steel (70-90/12w3)	6
7	GA2000231	Hose, Suction, PVC, 75mm, Black	1
8	GA2000232	Hose, Suction, 75mm, Wire reinforced	1
9	GA5070905	U bolt, Round top, M10 x 118 x 115mm, with stopper washers, ZP	2
10	GA4509820	Plate, U-bolt Mount, 3" Fill Hose	1
11	GA4509825	Plate, U bolt Mount, Boom Rest Mount, 3" Fill Hose	1
12	GA5000117	Washer 10mm Flat SS HD	6
13	GA5000141	Nut M10 Nyloc ZP	4
14	GA5077742	Hose barb, Elbow, 90 degree, 3" male thread x 3" hose	1
15	GA5077642	Coupling, socket, 3" female thread	1
16	GA4509400	Plate, Ball Valve Mount 3"	1
17	GA5078204	3" NPT Male x 3" Male Adaptor Long Handle	1
18	GA5006113	Bolt M10 x 20 ZP GR8.8	2
19	GA5000137	Washer 10mm Spring SS	2
20	GA5001491	Chain 2mm x 20 SS 316 - Cut 150 mm long	13
21	GA5076719	Cam lever, Female cap, 3"	1

## Fill Flow Meter - Teejet



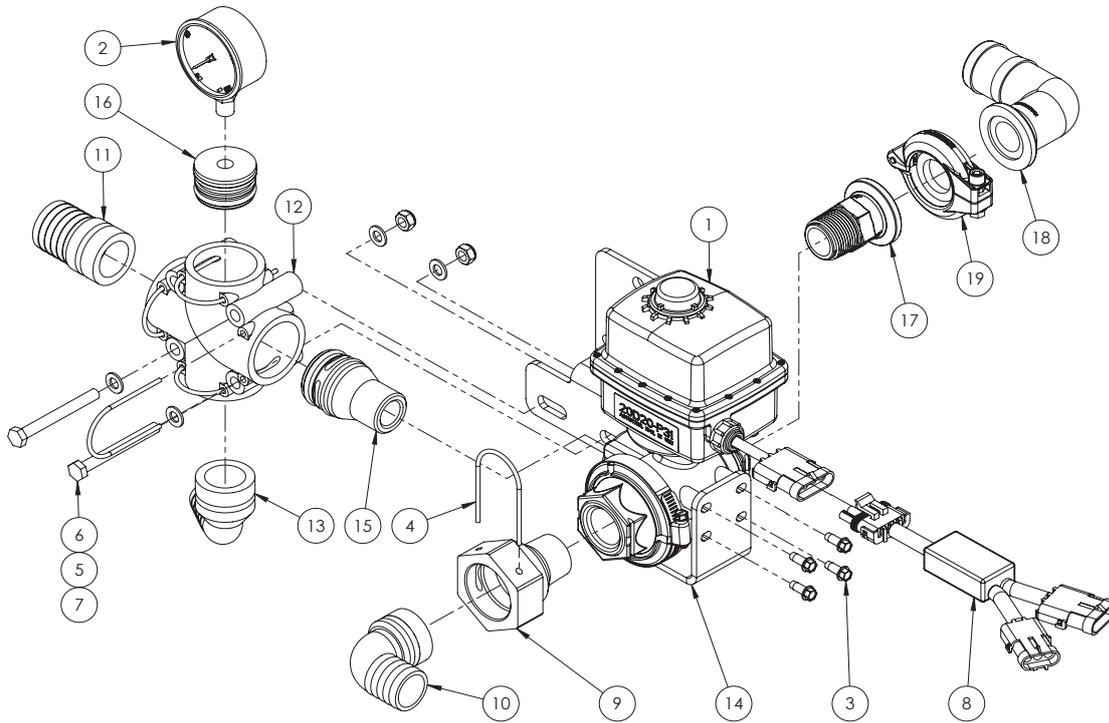
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077191	Kit, Flowmeter 40D2 Hose Barbs	1
2	75-30018	Console, Fill flow, Metric	1

## Fill Flow Meter - Teejet & Shut Off Valve



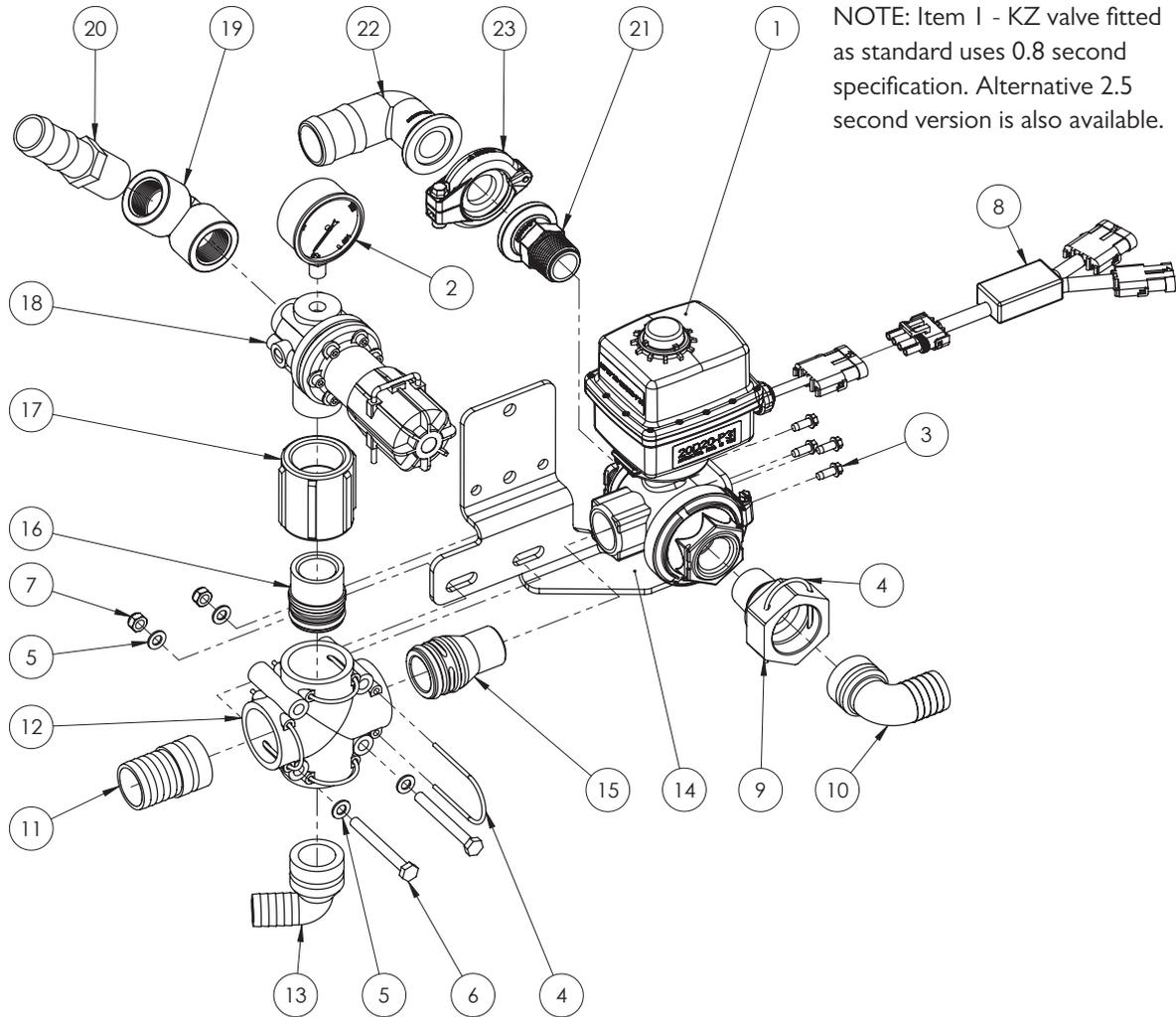
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5010191	Hose Clamp 2" T-bolt SS	8
2	FC200	Clamp, Worm screw, Use with 2" standard flange port	2
3	GA5076868	Ball Valve Electric 2 way 2" flange	1
	GA5077048	Motor, Replacement only, 346 Style, 25RPM, Bare wires, Teejet	-
4	GA5009335	Seal, 41.5 ID x 55 OD x 6.5 mm thick, EPDM, suit 1 1/2" flange	2
5	GA5077837	Hose barb, Straight, 2" flange x 2" hose	2
6	GA5077193	Kit, Fill Flow, 40D F.m.metric, 70 Series Monitor	1

# Flow Control Valve - Centrifugal Pump



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5065815	O ring, 35 x 4 mm, Suit AS40 fittings	-
-	GA5065820	O ring, 38 x 3 mm, Suits AS40 plumbing fittings	-
1	GA2000065	Regulator valve, 1" NPT, full port, 3 way, 0.8 sec 12v, KZ valve	1
	GA2000067	Regulator valve, valve only, suit GA2000065, KZ valve	-
	GA2000066	Regulator valve, Actuator only, 0.8 sec 12v, suit GA2000065, KZ valve	-
2	GA4948470	Gauge, Pressure, Small face, 160psi	1
3	GA0500022	Set Screw Self Tapping Trilobe M6 x 16 ZP	4
4	GA5065690	Retaining pin, Suit AS40 plumbing fittings, Altek	5
5	GA5003643	Washer 8mm Flat SS HD	4
6	GA5052600	Bolt M8 x 75 SS A2-70	2
7	GA5052590	Nut M8 Nyloc SS	2
8	GA5060059	Loom Boom Recirc Bypass Module	1
9	GA4582385	Coupling, AS40 female x 1" NPT male thread	1
10	GA5065620	Hose barb, Elbow, 90 degree, AS40 x 33mm hose barb	1
11	GA5065590	Hose barb, Straight, AS40 x 39mm hose	1
12	GA5065565	Tee, 4 Port, AS40 female, no M8 inserts	1
13	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm	1
14	GA4509460	Plate, Regulator Valve Assembly Mount	1
15	GA2000077	Plumbing Fitting, AS40 to 1" NPT Male Thread	1
16	GA4582160	Plumbing adaptor, Plug, AS40 male x G1/4" Female Thread	1
17	GA5077820	Coupling, Flanged, 1" flange x 1" male thread	1
18	GA2000138	Hose barb, Elbow, 90 Degree, 1" Flange, x 1 1/2" Hose	1
19	GA2000113	Flange Clamp, and Gasket, 1"	1

# Flow Control Valve - Diaphragm Pump



NOTE: Item 1 - KZ valve fitted as standard uses 0.8 second specification. Alternative 2.5 second version is also available.

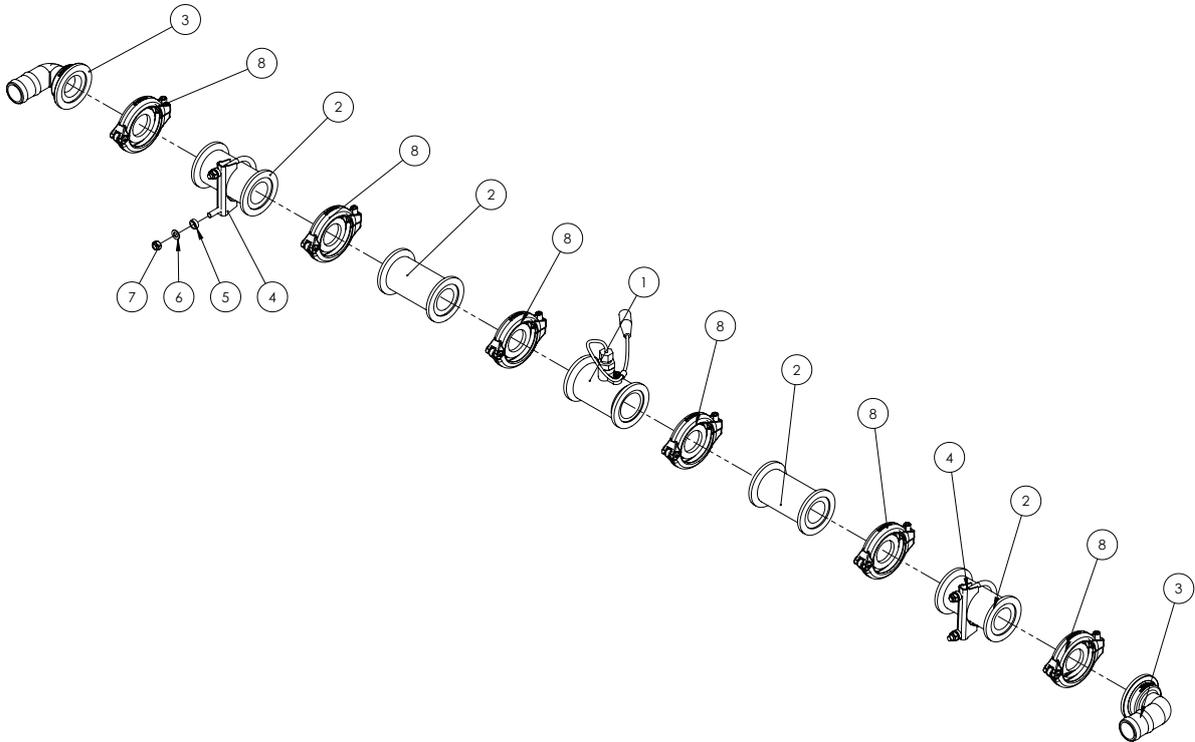
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5065815	O ring, 35 x 4 mm, Suit AS40 fittings	-
-	GA5065820	O ring, 38 x 3 mm, Suits AS40 plumbing fittings	-
	GA2000065	Regulator valve, 1" NPT, full port, 3 way, 0.8 sec I2v, KZ valve	1
	GA2000066	Regulator valve, Actuator only, 0.8 sec I2v, suit GA2000065, KZ valve	-
1	GA2000067	Regulator valve, valve only, suit GA2000065 GA2000069, KZ valve	-
	GA2000068	Regulator valve, Actuator only, 2.5 sec I2v, suit GA2000069, KZ valve	-
	GA2000069	Regulator valve, 1" NPT, full port, 3 way, 2.5 sec I2v, KZ valve	-
2	GA4948470	Gauge, Pressure, Small face, 160 psi	1
3	GA0500022	Set Screw Self Tapping Trilobe M6 x 16 ZP	4
4	GA5065690	Retaining pin, Suit AS40 plumbing fittings, Altek	5
5	GA5003643	Washer 8mm Flat SS HD	4
6	GA5052600	Bolt M8 x 75 SS A2-70	2

Continued over page

## Flow Control Valve - Raven controller

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
7	GA5052590	Nut M8 Nyloc SS	2
8	GA5060059	Loom Boom Recirc Bypass Module	1
9	GA4582385	Coupling, AS40 female x 1" NPT male thread	1
10	GA5065620	Hose barb, Elbow, 90 degree, AS40 x 33mm hose barb, Altek	1
11	GA5065590	Hose barb, Straight, AS40 x 39mm hose, Altek	1
12	GA5065565	Plumbing coupling, Cross, AS40 female inlets / outlets, Altek	1
13	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm, Altek	1
14	GA4509460	Plate, Regulator Valve Assembly Mount	1
15	GA2000077	Plumbing Fitting, AS40 to 1" NPT Male Thread, Altek	1
16	GA5065595	Plumbing adaptor, AS40 1-1/4" male thread	1
17	GA5077639	Coupling, socket, 1 1/4" female thread	1
18	GA5075640	Valve, Pressure relief, 15 bar, 1" male thread inlet x 1 1/4" male thread outlet, Polmac	1
19	GA5077655	Street elbow, 90 degree, 1" female thread x 1" female thread	1
20	GA5077722	Hose barb, Straight, 1 male thread x 1 1/4" hose	1
21	GA5077820	Coupling, Flanged, 1 flange x 1 male thread	1
22	GA2000138	Hose barb, Elbow, 90 Degree, 1" Flange, x 1 1/2" Hose	1
23	GA2000113	Flange Clamp, and Gasket, 1", series	1

# Flow Meter - Raven Controller - Flange Clamps

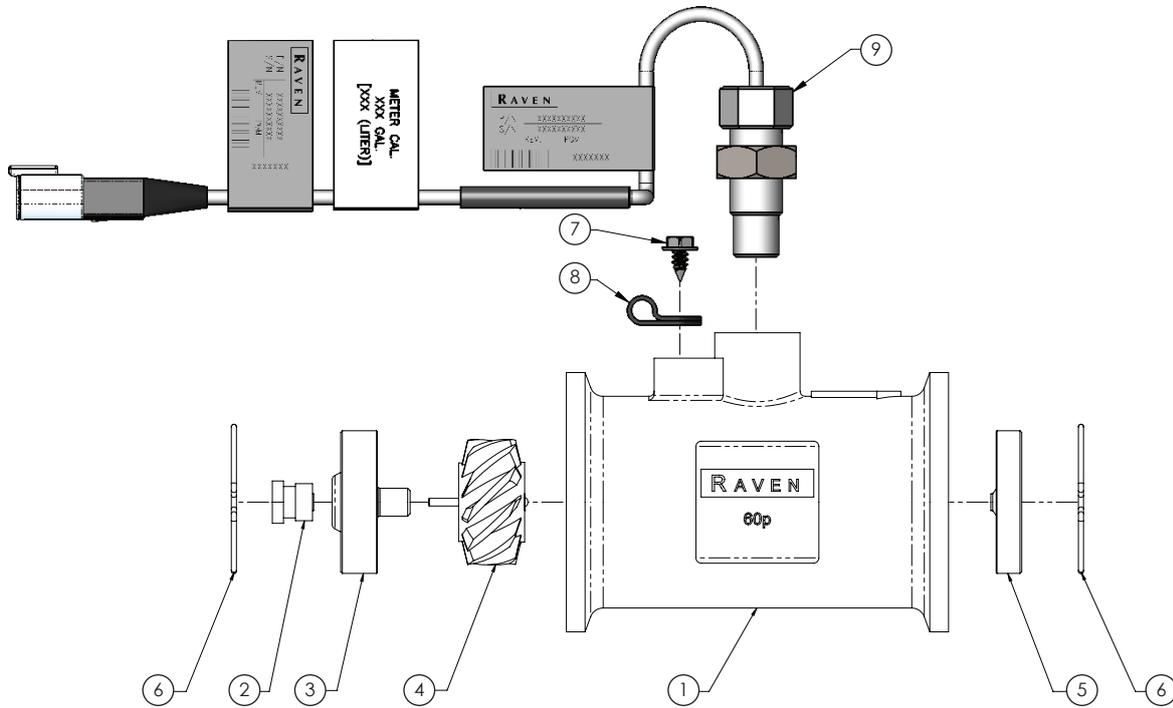


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075890*	Flowmeter, RFM60P High Pulse, Raven	1
2	GA5077840	Plumbing coupling, Straight, 2" flange x " flange x 4 1/2" long	4
3	GA5077834	Hose barb, Elbow, 90 degree, 2 flange x 1 1/2" hose	2
4	GA5006689	Exhaust clamp - 66mm C12	2
5	GA4552080	Crush tube, 10.2 ID x 15 OD x 5 mm	4
6	GA5003643	Washer 8mm Flat SS HD	4
7	GA5052590	Nut M8 Nyloc SS	4
8	GA2000114	Flange Clamp, and Gasket, 1.5", series 200, Hypro	6

\* Sub-assembly on following pages

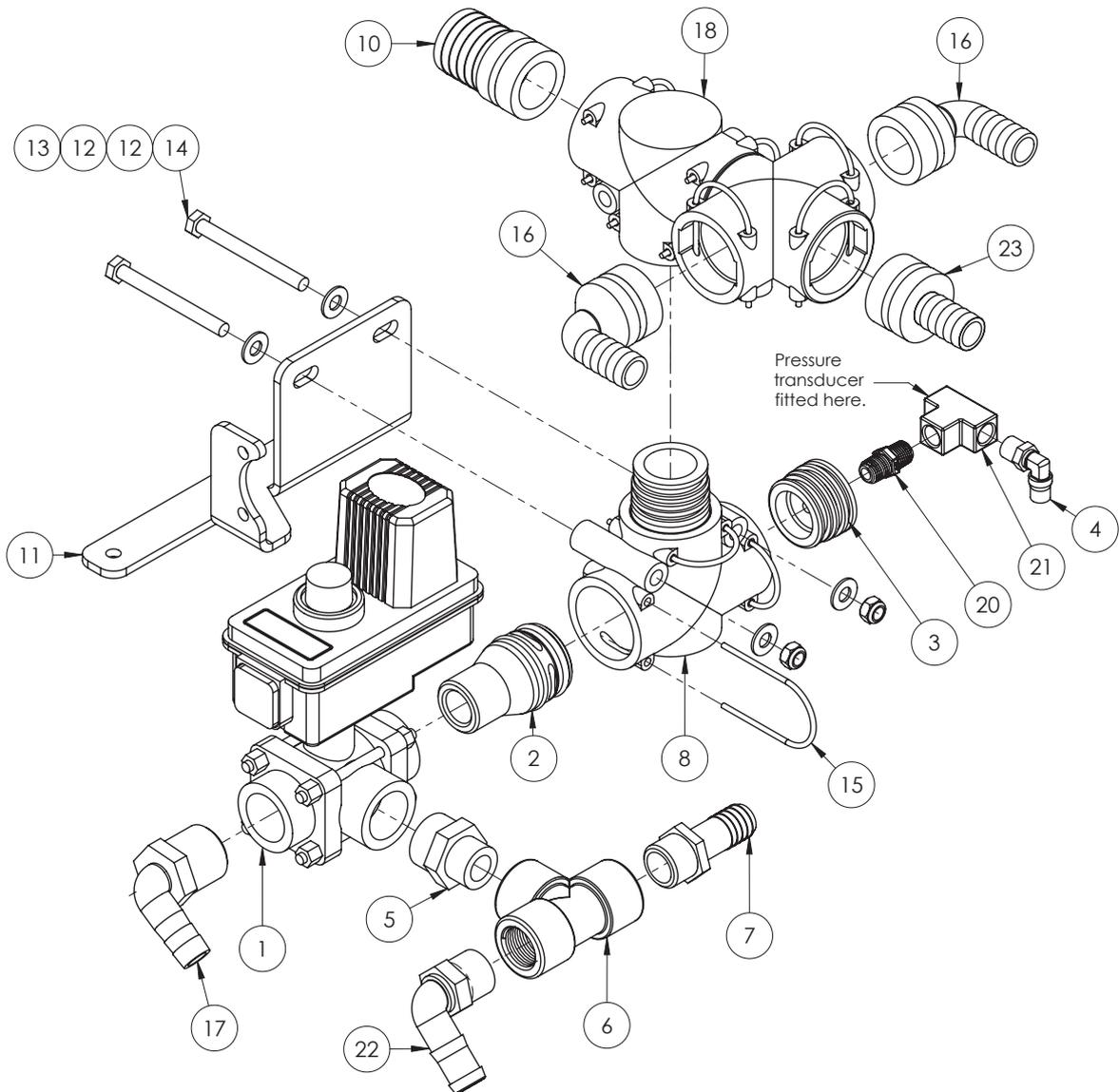
NOTE: The flange clamps come with a built in seal/gasket.

# Flow Meter Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5075890	Flowmeter, RFM60P High Pulse, Raven - Complete Assembly	-
1	-	Body, Moulded, Flowmeter RFM-60, I060159514	1
2	0630173062F	Turbine, Stud, Poly, Flowmeter RFM-60	2
3	GA5075870	Hub/Bearing Assembly, Upstream, Flowmeter RFM-60	1
4	GA5075869	Rotor/Magnet Assembly RFM-60	1
5	GA5075871	Bearing, Down Stream End Bearing suit RFM-60	1
6	-	Retaining ring, Wireform, Flowmeter RFM-60, 3350003200	2
7	GA5076734	Screw 10-16 x 3/8" Sltd Hex	1
8	GA5076966	Clamp Cable Plastic 1/4" x 1/2"	1
9	GA3000399	Sensor, External Flow Meter, High Pulse, suit 15P and 60P, Deutsch connector, Raven	1

# Flow Distributor & Boom Recirculation Valve



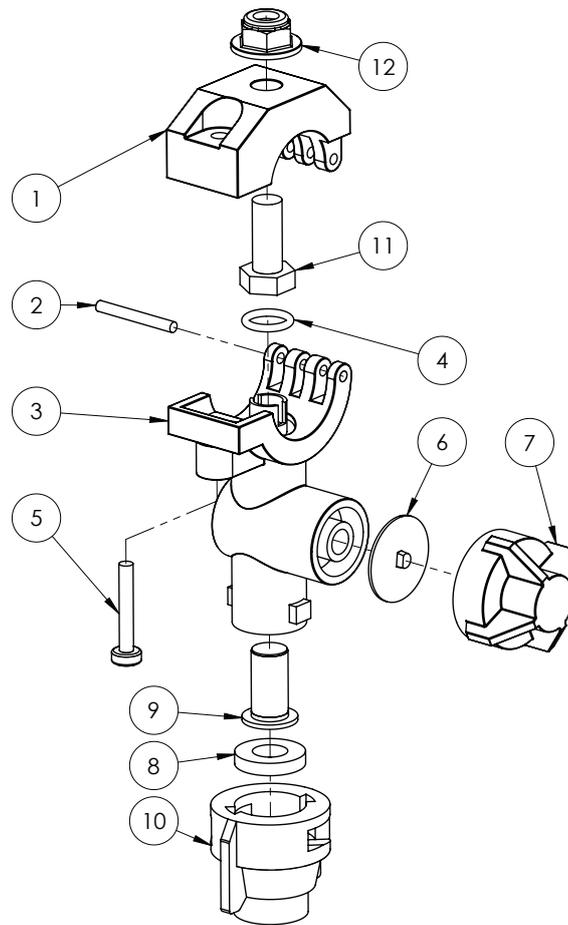
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA3000199	Pressure Transducer, 0-250PSI, 1-5V, deutsch, Sealed	1
-	GA5065815	O ring, 35 x 4 mm, Suit AS40 fittings	-
-	GA5065820	O ring, 38 x 3 mm, Suits AS40 plumbing fittings	-
1	GA5077319	Valve, Electric ball 3 way, Shutoff/Bypass, 1" - Complete unit	1
	GA5077047	Replacement 12v motor, suit Teejet valve GA5077319, bare wires	-
2	GA2000077	Plumbing Fitting, AS40 to 1" NPT Male Thread	1
3	GA4582160	Plumbing adaptor, Plug, AS40 male x G1/4" Female Thread	1
4	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4 BSP male x 6mm push in type, Metal	1
5	GA5078089	Nipple, Reducing, Poly, 1" x 3/4" Thread	1
6	GA5078150	Tee, Threaded, 3/4 female, Banjo, TEE075	1

Continued over page

## Flow Distributor & Boom Recirculation Valve

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
7	GA5077709	Hose barb, Straight, 3/4" male thread x 3/4" hose	1
8	GA5065560	Tee, 3 Port, AS40 female, M8 inserts	1
9	GA2000082	Plumbing Fitting, Cross, AS40, 3x Female 1x Male, 2x M8 Inserts, No O-Rings	1
10	GA5065590	Plug in hose tail AS40/39	1
11	GA4400975	Plate, Bracket, Flow Distributer and Boom Recirculation Valve Assembly	1
12	GA5003643	Washer 8mm Flat SS HD	4
13	GA5004917	Nut M8 Nyloc ZP	2
14	GA5004749	Bolt M8 x 80 GR8.8 ZP	2
15	GA5065690	Safety pin AS40	9
16	GA5065610	Hose barb, Elbow, 90 degree, AS40 x 20mm hose	2
17	GA5077719	Hose barb, Elbow, 90 degree, 1" male thread x 3/4" hose	1
18	GA5065555	Tee, 3 Port, AS40 female, no M8 inserts	1
19	GA5065735	Plumbing adaptor, AS40 male x AS40 male	1
20	GA5077909	Nipple, Short, 1/4 male thread x 1/4 male thread	1
21	GA5048300	Tee, 1/4 female thread x 1/4 female thread x 1/4 female thread, Brass	1
22	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose	1
23	GA5065575	Hose barb, Straight, AS40 male x 20mm hose	1

## Nozzles - Teejet Single Body

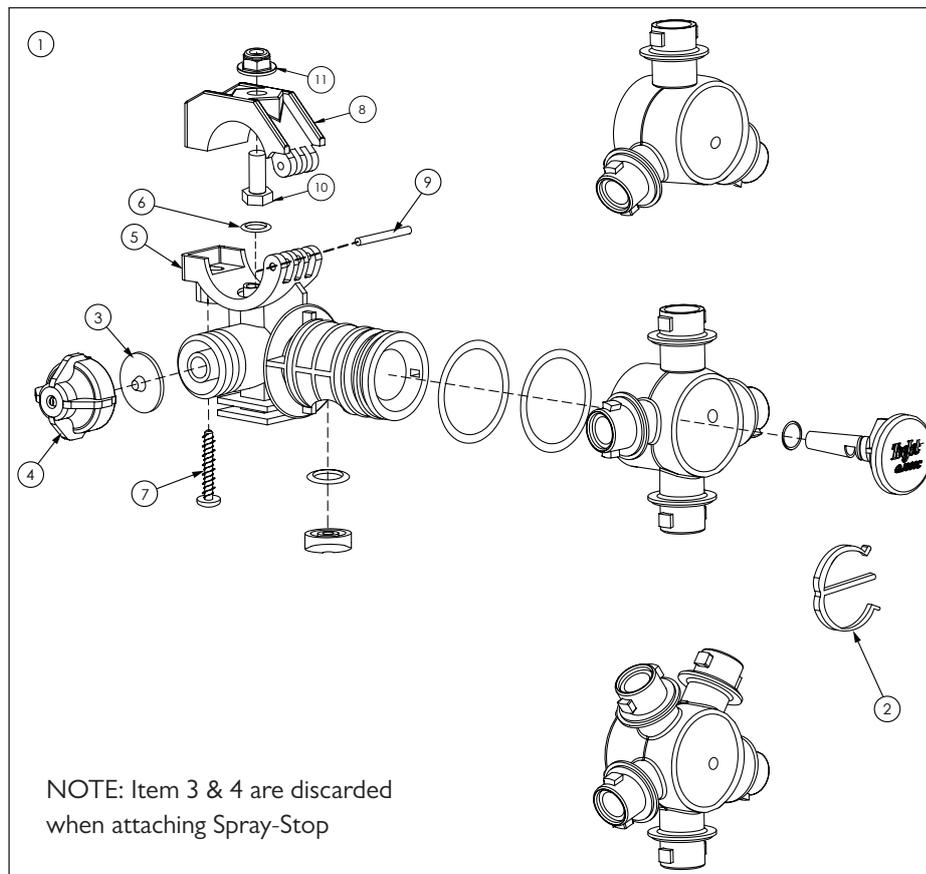


NOTE: Item 6 & 7 are discarded when attaching Spray-Stop

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5077964	Nozzle body, Single, 3/4", Teejet	-
1	GA5077532	Nozzle body clamp, Upper, 3/4", Teejet	1
2	GA5077537	Pin, Nozzle body clamp, Teejet	1
3	GA5077538	3/4" Nylon body	1
4	GA5077596	O-ring, 14.5 x 2.5mm, Buna	1
	GA5077597	O-ring, Viton	1
5	GA5077536	Screw, suit Teejet Nozzle bodies, 1-1/4" long, SS	1
6	GA5077439	Chemsaver, Diaphragm, Teejet	1
	GA5077440	Diaphragm, Viton, Nozzle body check valve, Teejet	1
7	GA5076670	Chemsaver, 10psi, Black, Teejet	1
8	GA5055245	Washer, Nozzle cap seal, Rubber, 19 OD x 9mm ID	1
9	GA5077159	Filter, Nozzle tip, Red, 50 mesh, Polypropylene & SS, Teejet	1
	GA5077160	Nozzle filter screen, Blue 80 mesh, Polypropylene / SS, Teejet	1
10	GA8100464	Nozzle cap, Black, Teejet, Suit flat spray smaller capacity nozzles (up to 08)	1
	GA8100059	Nozzle Cap, 10mm across flats, Black, Lechler	1
11	GA5004085	Bolt M8 x 20 GR8.8 ZP	1
12	GA5070710	Nut Flange Plastic M8 x 1.25	1

NOTE: See nozzle tip strainer, cap and nozzle sections on following pages for more detailed nozzle parts guide.

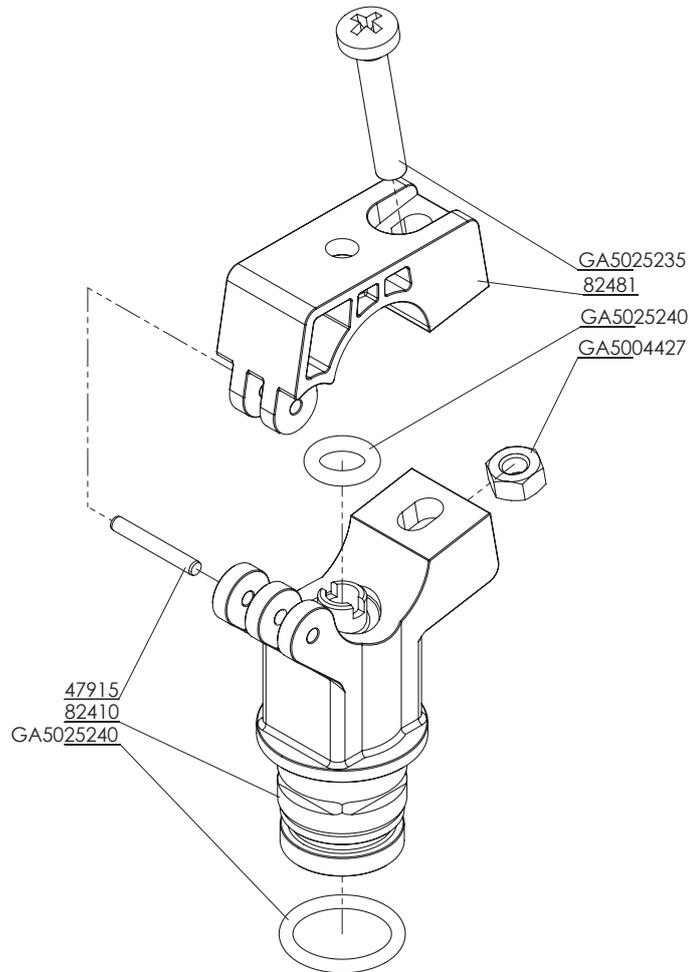
## Nozzles - Teejet Clock Face Body



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077972	Nozzle body assembly, Clock face, 3 outlet, 3/4", Teejet	-
	GA5077974	Nozzle body assembly, Clock face, 4 outlet, 3/4", Teejet	-
	GA5077977	Nozzle body assembly, Clock face, 5 outlet, 3/4", Teejet	-
	GA5077970	Nozzle body, Triple, Trijet, Clock face, 1", Teejet	-
2	GA5077496	E clip, Nozzle body, Teejet	1
3	GA5077439	Chemsaver, Diaphragm, Teejet	1
	GA5077440	Diaphragm, Viton, Nozzle body check valve, Teejet	1
4	GA5076670	Chemsaver, 10psi, Black, Teejet	1
5	GA5077493	Body, 360 series 3/4", Teejet	1
	GA5077494	Body, 360 series 1", Teejet	1
6	GA5077596	O-ring, 14.5 x 2.5mm, Buna	1
	GA5077597	O-ring, Viton	1
7	GA5077536	Screw, suit Teejet Nozzle bodies, 1-1/4" long, SS	1
8	GA5077532	Nozzle body clamp, Upper, 3/4", Teejet	1
	GA5077533	Nozzle body clamp, Upper, 1", Teejet	1
9	GA5077537	Pin, Nozzle body clamp, Teejet	1
10	GA5004085	Bolt M8 x 20 GR8.8 ZP	1
11	GA5070710	Nut Flange Plastic M8 x 1.25	1
12	GA5077057	Nozzle body extension, Quick Teejet type, 1" long, Black, Teejet	1

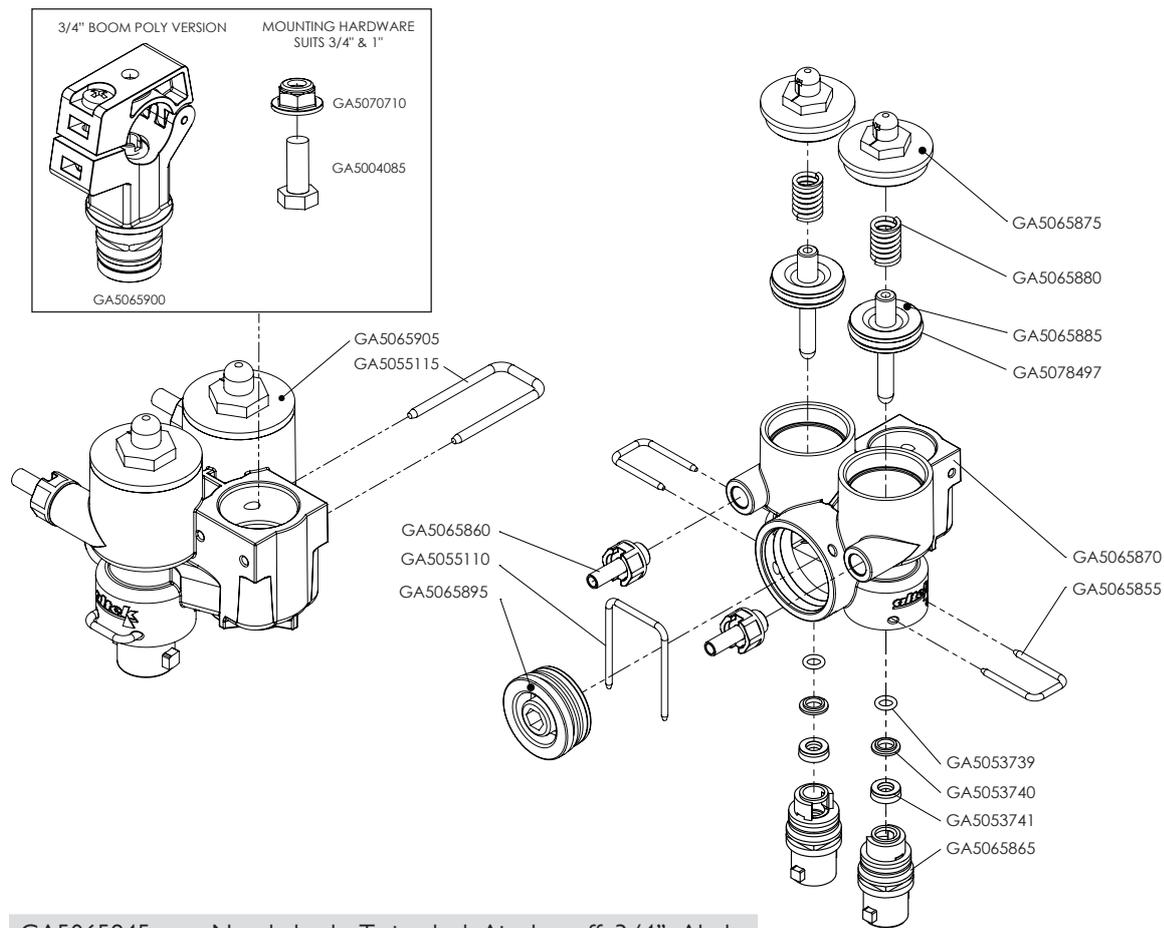
NOTE: See nozzle tip strainer, cap and nozzle sections on following pages for more detailed nozzle parts guide.

## Nozzles - Altek Clamp



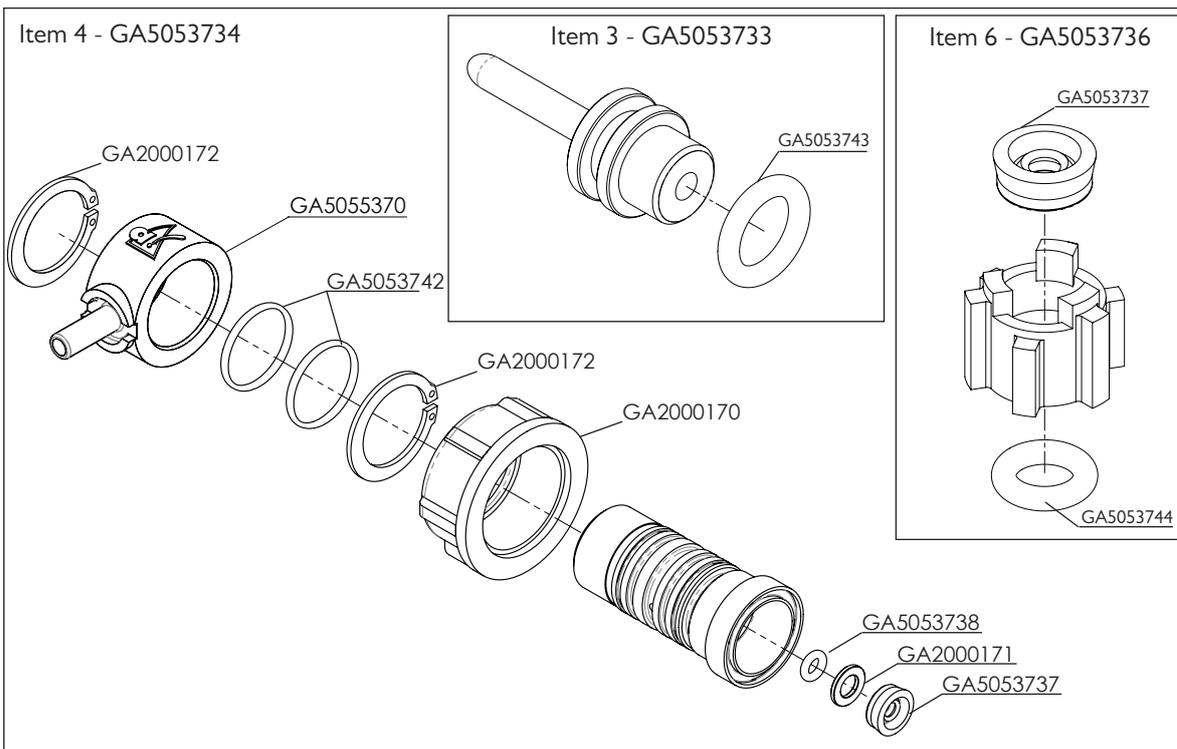
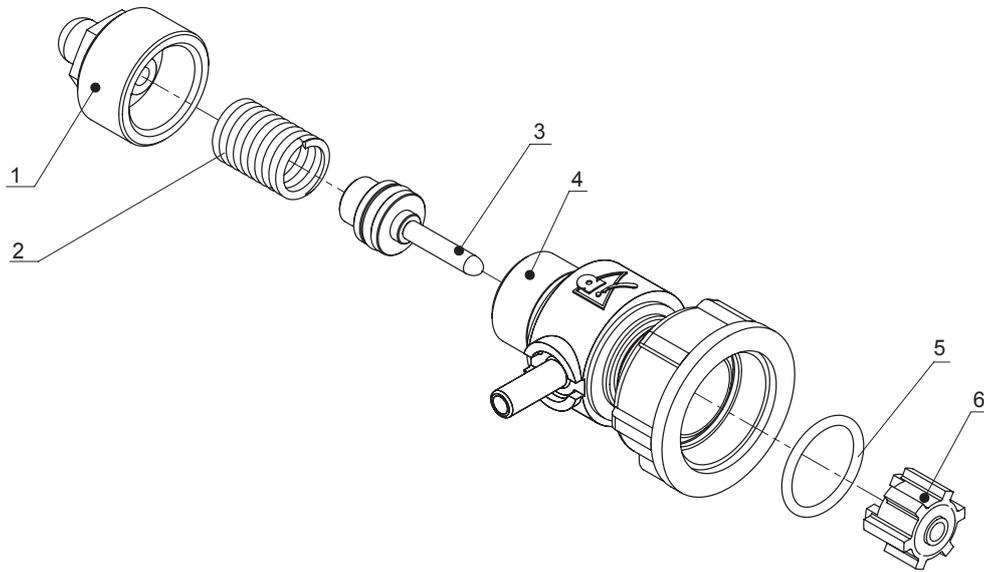
PART NUMBER	DESCRIPTION	QTY.
GA5065900	Clamp, Dual Nozzle Body, suit 3/4" Boom Poly, Includes Screw, Nut and O Ring	-
GA5025235	Screw, M6, Nozzle body clamp, Altek	1
82481	Nozzle body clamp, Upper section, Altek	1
GA5025240	O-ring, 9.5 x 3 mm EPDM, Nozzle body clamp, Altek	1
GA5004427	Nut M6 SS	1
47915	Pin, Nozzle body clamp, Altek	1
82410	Nozzle body clamp, Lower section, Altek	1
GA5025245	O-ring, 19 x 2.65 mm FPM80, Nozzle body clamp, Altek	1

# Nozzles - Altek Dual Spray Body



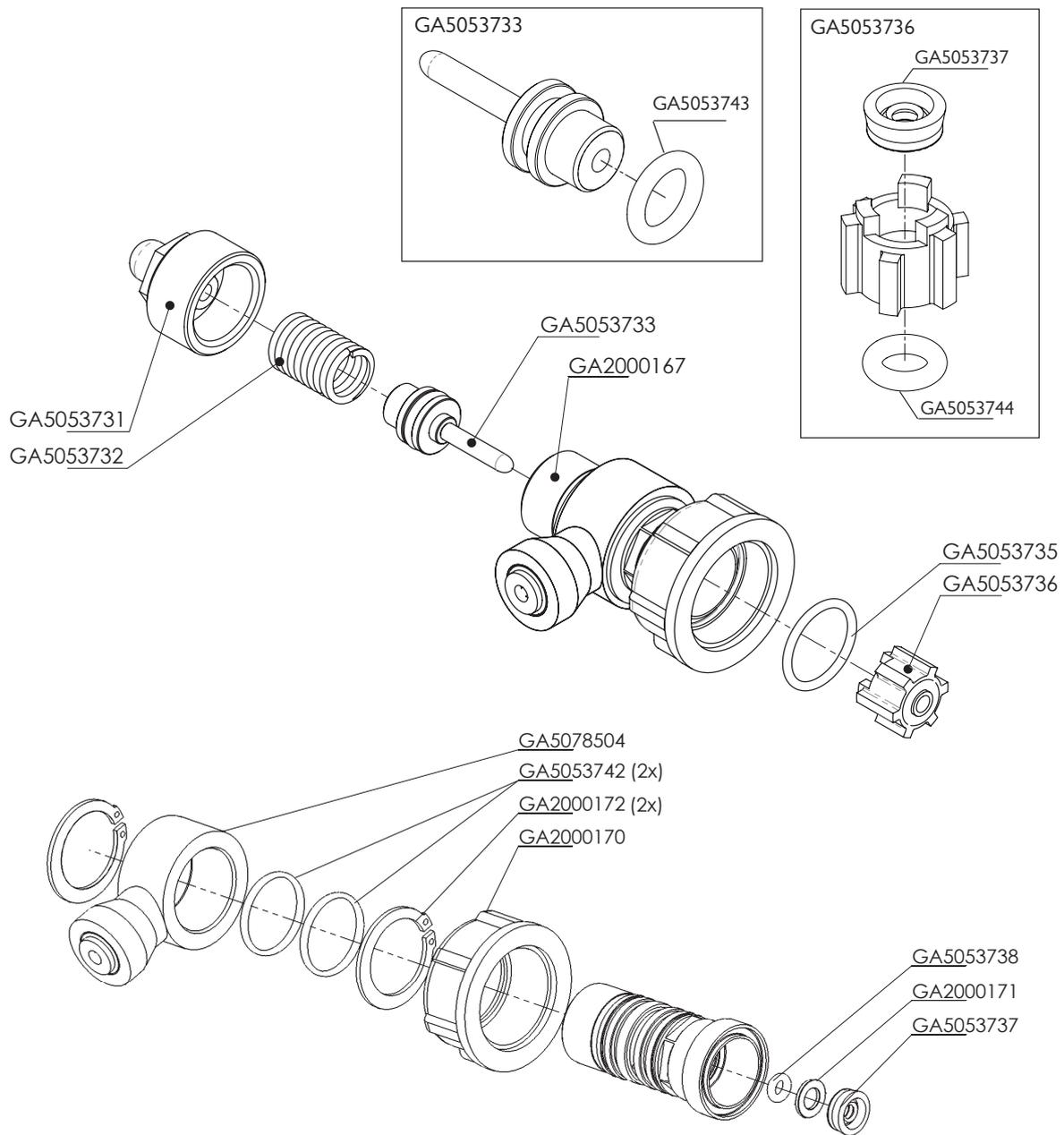
PART NUMBER	DESCRIPTION	QTY.
GA5065845	Nozzle body, Twin, dual, Air shut off, 3/4", Altek	
GA5070710	Nut Flange Plastic M8 x 1.25	1
GA5004085	Bolt M8 x 20 GR8.8 ZP	1
GA5065900	Nozzle body clamp, suit 3/4" Boom poly, Includes Screw, Nut and O-ring	1
GA5065905	Lower body, Multi spray, Altek	1
GA5055115	U clip, 20 x 40 x 3mm	1
GA5065875	Top cap	2
GA5065880	Spring	2
GA5065885	Stainless piston complete with O-ring	2
GA5078497	O-ring, 23.5 x 2.6 mm, FPM80	-
GA5065870	Outer body	1
GA5065855	U-Clip	2
GA5065865	Outlet, Valve inner, Nozzle body, Altek	2
GA5065860	Hose barb, Air fitting, 6mm hose, male thread, includes seal	2
GA5055110	U Clip 30 x 41 x 2.5mm	1
GA5065895	Shutoff Plug	1
GA5053739	O-ring, 5.6mm x 1.8mm FMP, suit GA5065845, Altek	2
GA5053740	Retaining disk, 11.8mm x 6.8mm x 2mm, suit GA5065845, Altek	2
GA5053741	Lip seal, 6mm x 12mm x 4.2mm FMP, suit GA5065845, Altek	2

# Nozzles - Altek Spray Stop - Push On Type



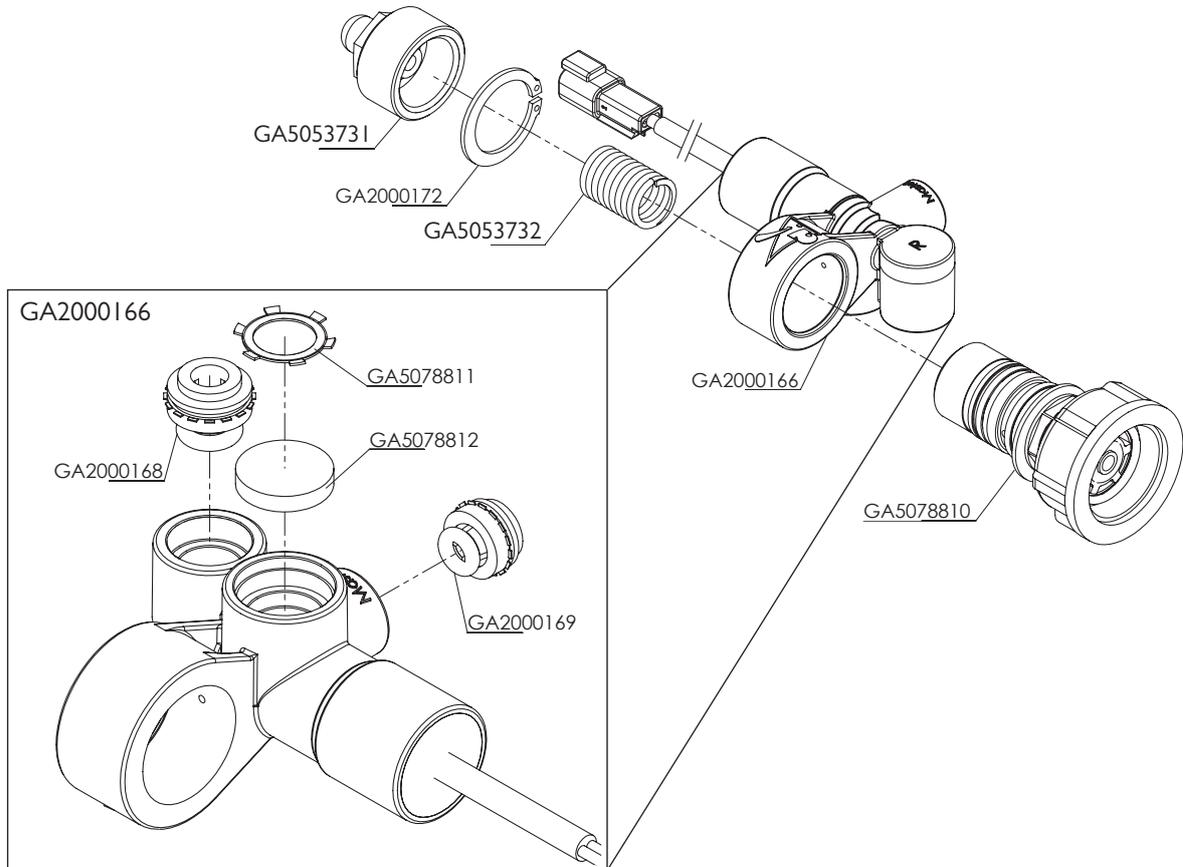
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5065520	Spray Stop, RapidFire, Suit Teejet nozzle body, Altek	-
1	GA5053731	End Cap with Breather	1
2	GA5053732	Spring, 10 Bar	1
3	GA5053733	Piston	1
4	GA5053734	Valve Body	1
5	GA5053735	O-ring external	1
6	GA5053736	Plunger	1

# Nozzles - Altek Spray Stop - Push In Type



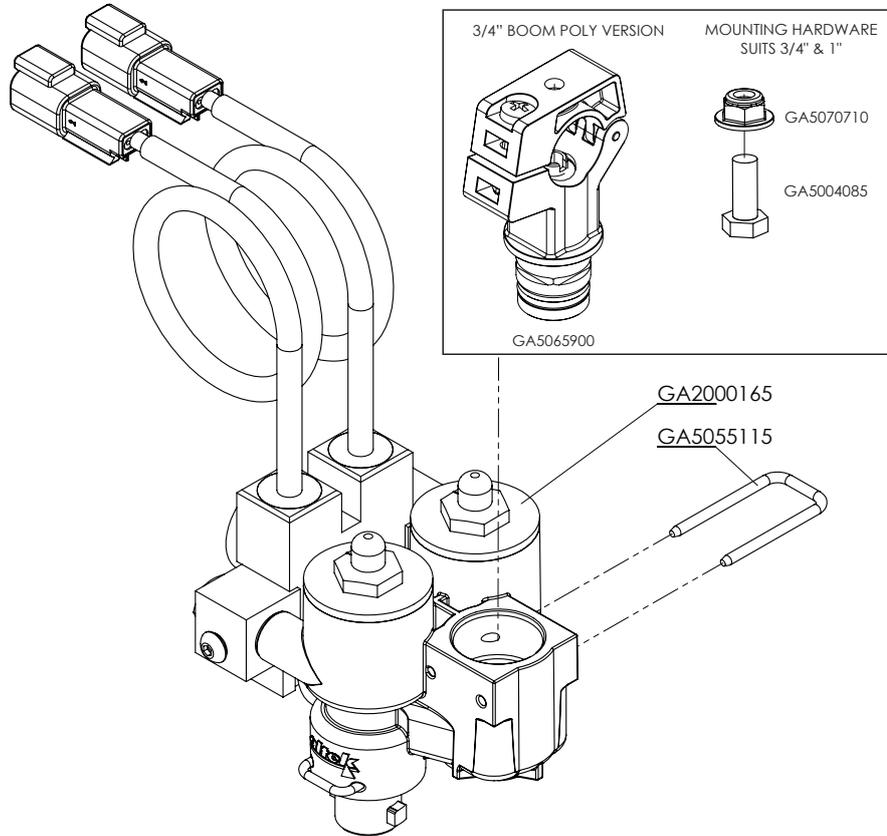
PART NUMBER	DESCRIPTION	QTY.
GA5065523	Spray Stop, 4mm, Rapidfire, Suit Teejet nozzle body, Altek	-
GA5053731	End Cap with Breather	1
GA5053732	Spring, 10 Bar	1
GA5053733	Piston	1
GA5053734	Valve Body	1
GA5053735	O-ring external	1
GA5053736	Plunger	1

## Nozzles - Direct Control - Single



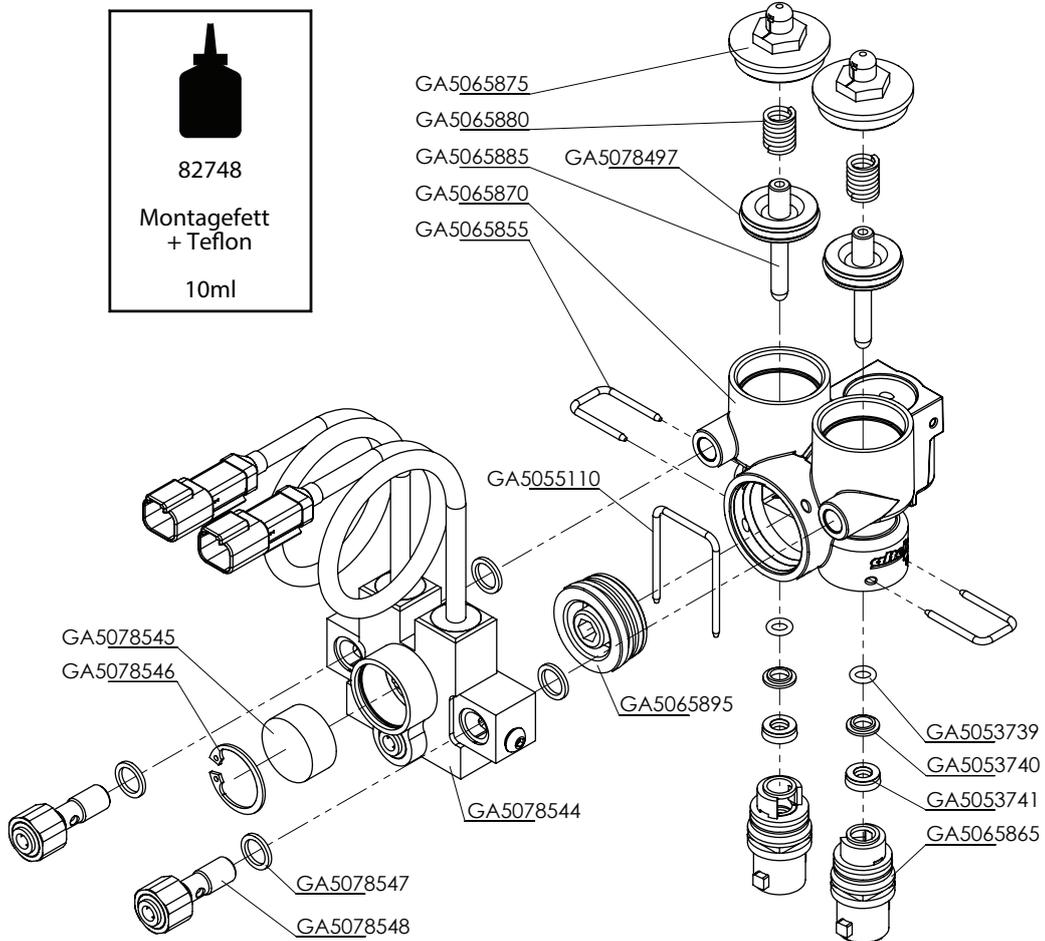
PART NUMBER	DESCRIPTION	QTY.
GA5065525	Spray Stop, Solenoid Direct control, Rapidfire, 6mm in, 4mm out	-
GA5053731	End Cap with Breather, suit GA5065520 Spray Stop, Altek	1
GA2000172	Circlip, Spray stop, Altek, 81376	1
GA5053732	Spring, 10 Bar, suit Spray Stop, Altek	1
GA2000166	Single nozzle body assembly, Direct control, Deutsch connector	1
GA5078810	Cartridge, Spray-Stop, Teejet, 83224	1
GA5078811	Clip, Breather Retainer, Altek, 84033	1
GA5078812	Breather Insert, Direct Control, Altek, 84003	1
GA2000168	Inlet cartridge, 6mm, Plastic, Includes O-ring, Altek, 83250	1
GA2000169	Outlet cartridge, 4mm, Plastic, Includes O-ring, Altek, 83759	1

# Nozzles - Direct Control - Dual



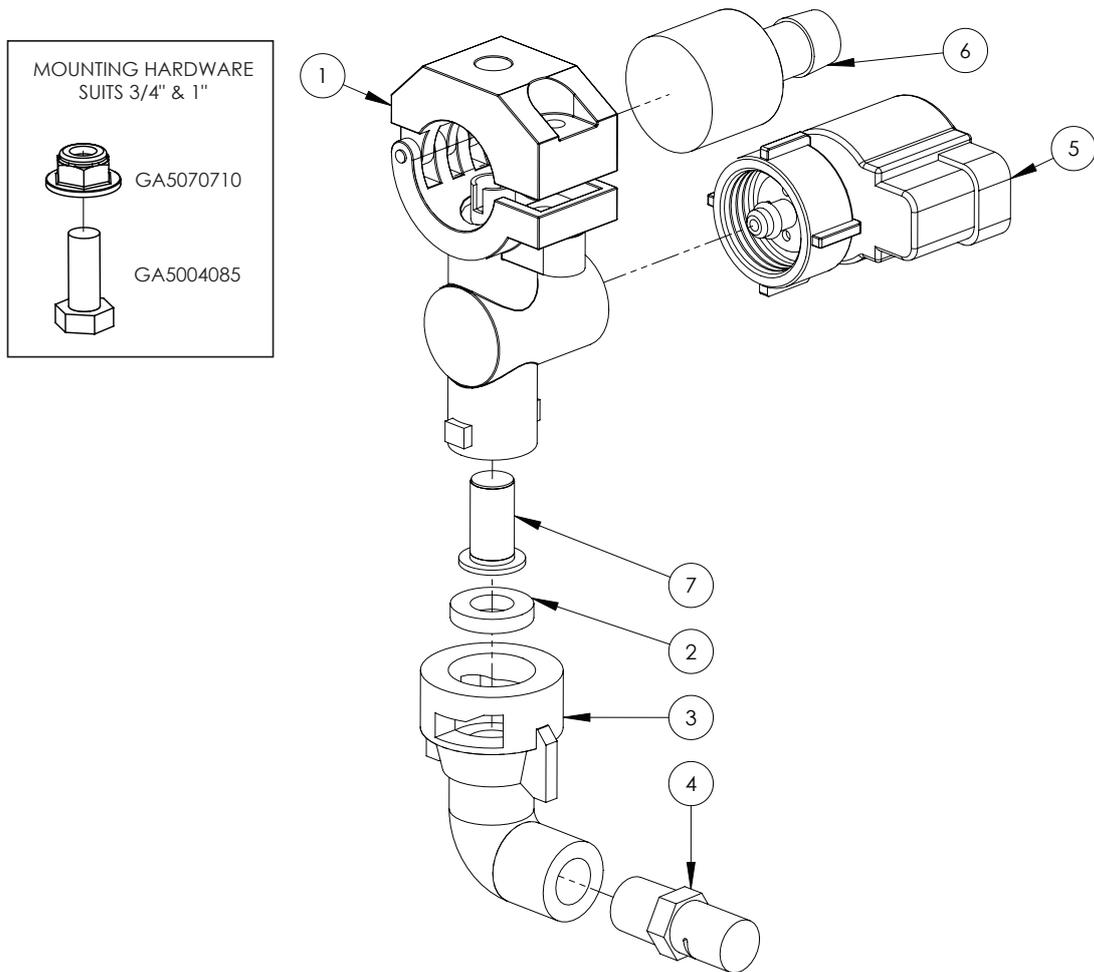
PART NUMBER	DESCRIPTION	QTY.
GA5065846	Spray Stop, Nozzle body, Twin, dual, Solenoid Direct control Multi-Spray master, Air shut off, 3/4"	-
GA5070710	Nut Flange Plastic M8 x 1.25	1
GA5004085	Bolt M8 x 20 GR8.8 ZP	1
GA5065900	Nozzle body clamp, suit 3/4" Boom poly, Includes Screw, Nut and O-ring	1
GA2000133	Nozzle body clamp, suit 1" Boom poly, Includes Screw, Nut and O-ring	1
GA2000165	Dual nozzle body assembly, Direct control	1
GA5055115	U clip, 20 x 40 x 3 mm, 82297, Suit Altek nozzle body GA5065845	1

# Nozzles - Direct Control - Dual Assembly



PART NUMBER	DESCRIPTION	QTY.
GA5078544	Dual solenoid valve, including 200mm cables & Deutsch connectors	1
GA5065870	Housing Multi-Spray 2-Nozzle	1
GA5053739	O-Ring	2
GA5053740	Stainless washer	2
GA5053741	Lip Seal 6 x 12 x 4.2 mm	2
GA5065865	Nozzle Holder 5° Complete, 0°, 0°	2
GA5065855	U-Clip AS20	2
GA5065885	Stainless piston complete with O-ring	2
GA5078497	O-ring, 23.5 x 2.6 mm, FPM80	-
GA5065880	Spring	2
GA5065875	Cylinder Cap	2
GA5065895	Blanking Plug	1
GA5055110	U-clip 30 x 41 x 2.5 mm	1
GA5078547	Seal, White PVC	4
GA5078545	Breather insert, 25.5 x 12 x 12 mm	1
GA5078546	Circlip, 26 x 1.2 mm	1
GA5078548	Push fitting, Air line, 6mm	2

# Nozzles - Fence Line - Solenoid Operated



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077964	Nozzle body, Single, 3/4", Teejet	1
	GA5077962	Nozzle body, Single, 1", Teejet	1
	GA5070710	Nut Flange Plastic M8 x 1.25	1
	GA5004085	Bolt M8 x 20 GR8.8 ZP	1
2	GA5055245	Washer, Nozzle cap seal, Rubber, 19 OD x 9mm ID	1
3	GA5077986	Nozzle cap & washer, 90 degree cap, 1/4" NPT female outlet	1
4	GA8100339	Nozzle, Fence line, Orange, Polymer, Left side, 1/4" NPT, Teejet	1
	GA8100340	Nozzle, Fence line, Orange, Polymer, Right side, 1/4" NPT, Teejet	1
5	GA5071785	Solenoid, e-Chemsaver suit 2 Pin Metri-pack, Fence Line	1
6	GA5077497	Hose barb suit nozzle body, Single 1/2", Nylon, Teejet	1
7	GA5076947	Check valve & filter screen, Nozzle tip, 5psi valve, 50 mesh	1

## Nozzles - Tip Strainers

PART NUMBER	DESCRIPTION
GA5076947	Tip strainer, Check valve, 5 PSI, Polypropylene / Stainless steel, 50 mesh, Teejet
GA5077158	Tip strainer, Polypropylene / Stainless steel, 24 mesh, Teejet
GA5077159	Tip strainer, Polypropylene / Stainless steel, 50 mesh, Teejet
GA5077160	Tip strainer, Polypropylene / Stainless steel, 80 mesh, Teejet
GA5077156	Tip strainer, Polypropylene / Stainless steel, 100 mesh, Teejet
GA5077157	Tip strainer, Polypropylene / Stainless steel, 200 mesh, Teejet

## Nozzles - IDK - Cap

PART NUMBER	DESCRIPTION
GA8100464	Cap to suit IDK nozzle
GA5055245	Cap washer, IDK nozzle

## Nozzles - IDK - Tips

PART NUMBER	DESCRIPTION	STRAINER
GA8100018	IDK I20-01, Orange, Lechler	80 mesh
GA8100019	IDK I20-015, Green, Lechler	50 mesh
GA8100020	IDK I20-02, Yellow, Lechler	50 mesh
GA8100021	IDK I20-025, Purple, Lechler	50 mesh
GA8100022	IDK I20-03, Blue, Lechler	50 mesh
GA8100023	IDK I20-04, Red, Lechler	50 mesh
GA8100024	IDK I20-05, Brown, Lechler	24 mesh
GA8100025	IDK I20-06, Grey, Lechler	24 mesh
GA8100026	IDK I20-08, White, Lechler	24 mesh

## Nozzles - ID3 - Cap

PART NUMBER	DESCRIPTION
GA8100059	Cap to suit ID3 nozzle
GA5055245	Cap washer, ID3 nozzle

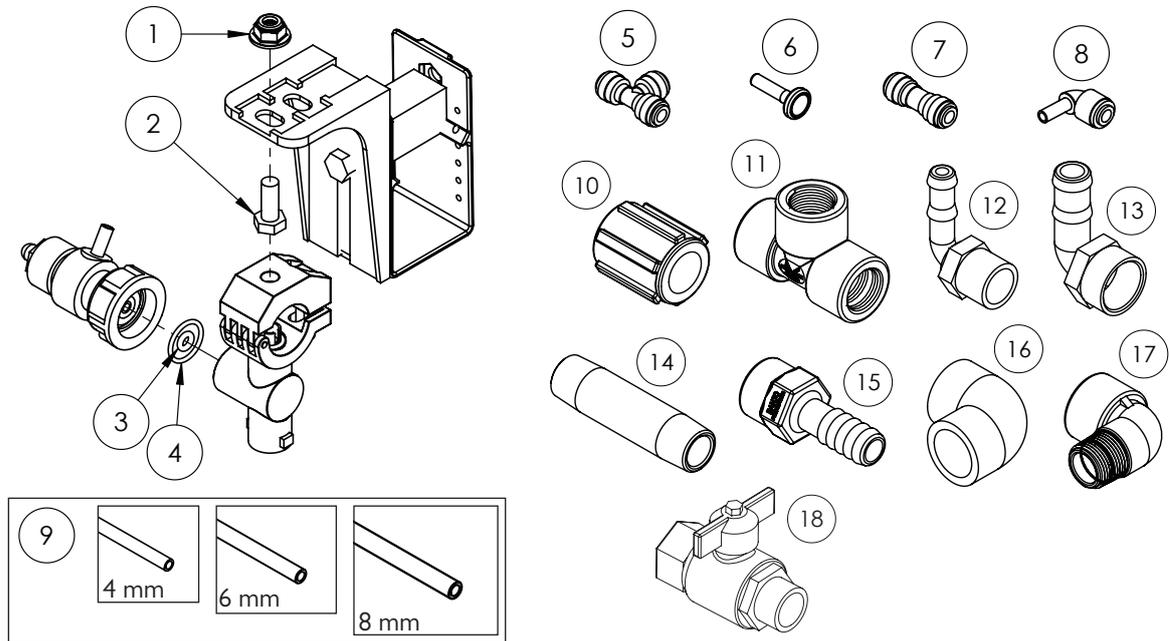
## Nozzles - ID3 - Tips

PART NUMBER	DESCRIPTION	STRAINER
GA8100000	ID3 120-01, Orange, Lechler	80 mesh
GA8100001	ID3 120-015, Green, Lechler	50 mesh
GA8100002	ID3 120-02, Yellow, Lechler	50 mesh
GA8100003	ID3 120-025, Purple, Lechler	50 mesh
GA8100004	ID3 120-03, Blue, Lechler	50 mesh
GA8100005	ID3 120-04, Red, Lechler	50 mesh
GA8100006	ID3 120-05, Brown, Lechler	24 mesh
GA8100007	ID3 120-06, Grey, Lechler	24 mesh
GA8100008	ID3 120-08, White, Lechler	24 mesh

## Nozzles - AIXR - Tips

PART NUMBER	DESCRIPTION	STRAINER
GA8100429	AIXRI 10015VP, Green 015, Polymer, Teejet	100 mesh
GA8100430	AIXRI 10025VP, Violet 025, Polymer, Teejet	50 mesh
GA8100431	AIXRI 1002VP, Yellow 02, Polymer, Teejet	50 mesh
GA8100432	AIXRI 1003VP, Blue 03, Polymer, Teejet	50 mesh
GA8100433	AIXRI 1004VP, Red 04, Polymer, Teejet	50 mesh
GA8100434	AIXRI 1005VP, Brown 05, Polymer, Teejet	50 mesh
GA8100435	AIXRI 1006VP, Grey 06, Polymer, Teejet	50 mesh

## Plumbing Lines - Miscellaneous



# Quantities vary

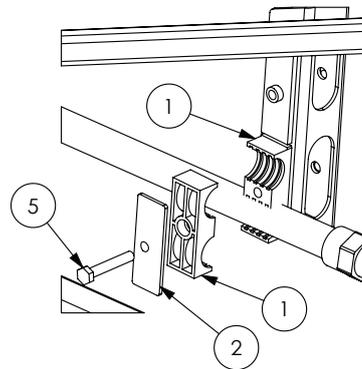
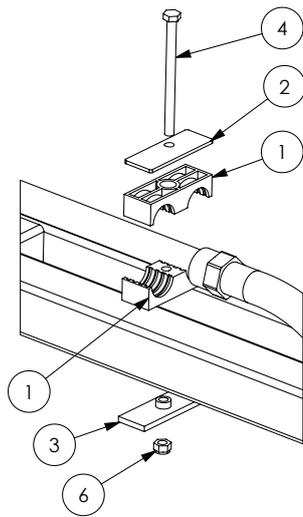
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070710	Nut with flange, Plastic, M8 x 1.25P	#
2	GA5004085	Bolt M8 x 20 GR8.8 ZP	#
3	GA5065521	O ring, 6.02 x 2.62 mm, Suits spray stop inner	#
4	GA5053135	O ring, 18 x 2 mm, Suit spray stop outer	#
5	GA5016246	Tee, Equal, 4mm push in type, Black plastic	#
	GA5016245	Tee, Equal, 6mm push in type, Black plastic	#
	GA5067010	Tee, Equal, 8mm push in type, Black plastic	#
6	GA5004405	Plug, Push in, 6mm	#
7	GA5066991	Pneumatic fitting, Push in, Joiner, 6mm	#
	GA5054600	Push in fitting, reducer, straight, 6mm to 4mm	#
	GA5065175	Push in fitting, reducer, straight, 8mm to 6mm	#
8	GA5071215	Stem Elbow, suit 6mm air line, push in	#
9	GA5004384	Tube, Nylon, 4mm, Black	#
	GA5004386	Tube, Nylon, 4mm, Blue	#
	GA5004383	Tube, Nylon, 6mm, Black	#
	GA5004385	Tube, Nylon, 6mm, Blue	#
	GA7000002	Tube, Nylon, 6mm, Red	#
	GA5004382	Tube, Nylon, 8mm, Black	#
10	GA5077637	Coupling, socket, 3/4" female thread	#
	GA5077638	Coupling, socket, 1" female thread	#
11	GA5078150	Tee, Threaded, 3/4" female	#
	GA5078151	Tee, Threaded, 1" female	#
12	GA5077710	Hose barb, Elbow, 90 degree, 3/4" male thread x 1/2" hose	#
	GA5077723	Hose barb, Elbow, 90 degree, 1" male thread x 1" hose	#

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## Plumbing Lines - Miscellaneous

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	GA5077746	Hose barb, Elbow, 90 degree, 3/4" female thread x 3/4" hose	#
14	GA5049090	BSP Riser 3/4" x 100 mm	#
15	GA5077743	Hose barb, Straight, 3/4" female x 3/4" hose	#
	GA5077747	Hose barb, Straight, 1" female thread x 1" hose	#
16	GA5077653	Street elbow, 90 degree, 3/4" female thread	#
	GA5077655	Street elbow, 90 degree, 1" female thread	#
	GA5078135	Street elbow, 90 degree, 3/4" female thread x 3/4" male thread	#
17	GA5078137	Street elbow, 90 degree, 1" female thread x 1" male thread	#
	GA5018315	Valve, Ball, 20mm male & female thread, Black Butterfly handle	#

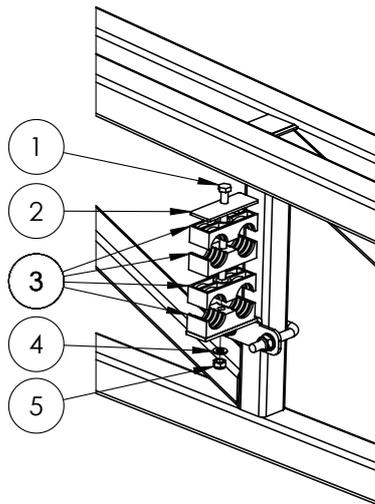
## Boom Poly - Pipe Clamps - Singles



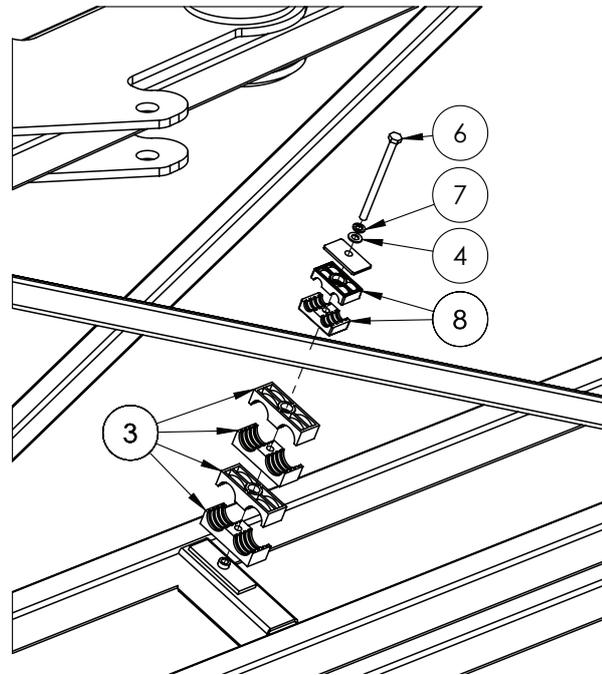
# Quantities vary

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078038	RCD clamp jaws, Double 28mm hose, Black polypropylene	#
2	GA5078049	Hose clamp, Double RCD, Top plate, Grade 4, Suit clamp 28-30	#
3	GA5078048	Double Clamp Plate Bottom Gr4	#
4	GA5004933	Bolt M8 x 110 ZP GR8.8	#
5	GA5004727	Bolt M8 x 50 ZP GR8.8	#
6	GA5052590	Nut M8 Nyloc SS	#

## Boom Poly - Pipe Clamps - Multi



ALUMINIUM OUTER WING

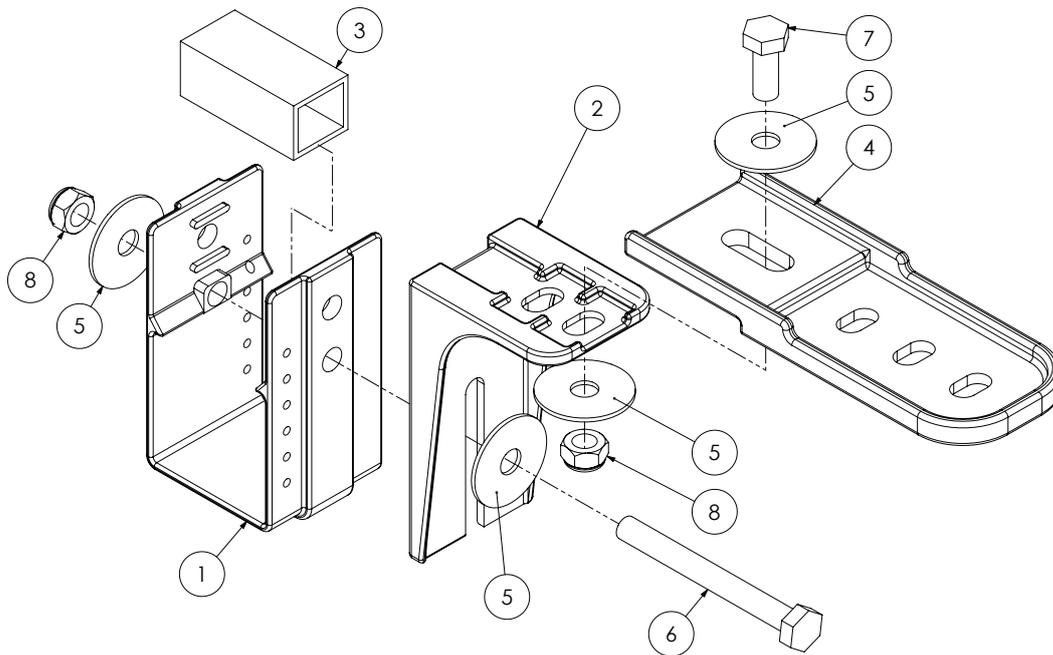


STEEL INNER WING

# Quantities vary

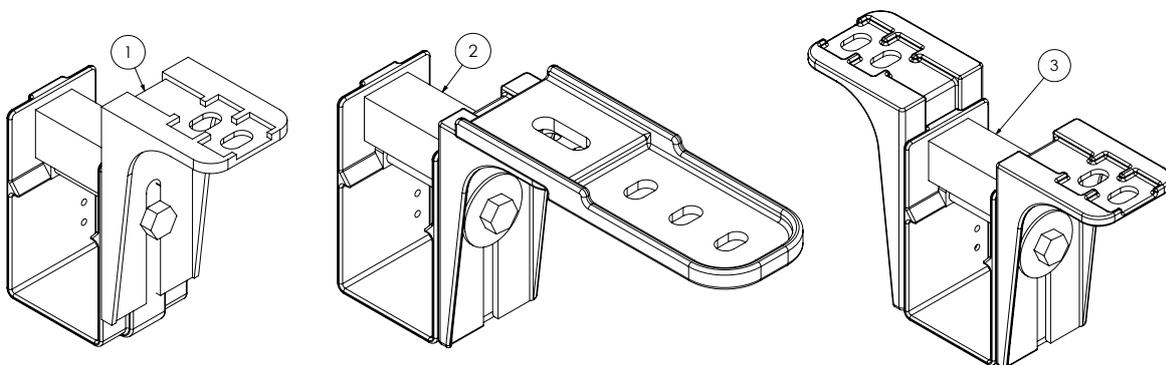
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5004933	Bolt M8 x 110 GR8.8 ZP	#
2	GA5078049	Mounting Clamp, Double type, Plate, Top, Group 4	#
3	GA5078038	Mounting clamp, Double type, Jaw, Pair, Group 4, 28mm	#
4	GA5003643	Washer 8mm Flat SS HD	#
5	GA5052590	Nut M8 Nyloc SS	#
6	GA5011501	Bolt M8 x 120 GR8.8 ZP	#
7	GA5004919	Washer 8mm Spring SS	#
8	GA5078031	Mounting clamp, Double type, Jaw, Pair, Group 2, 14mm	#

## Plumbing Lines - Nozzle Brackets



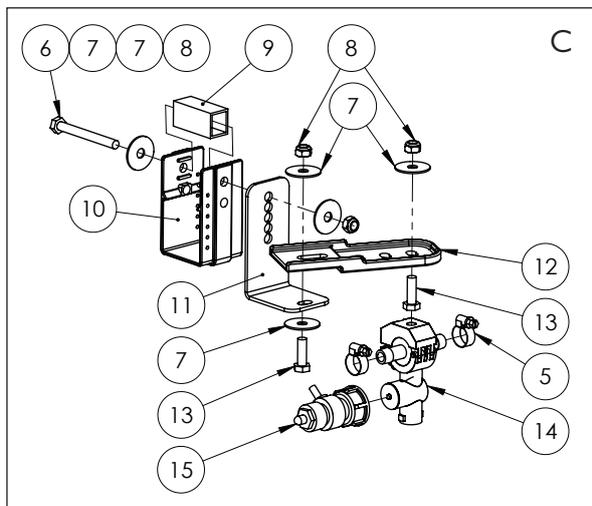
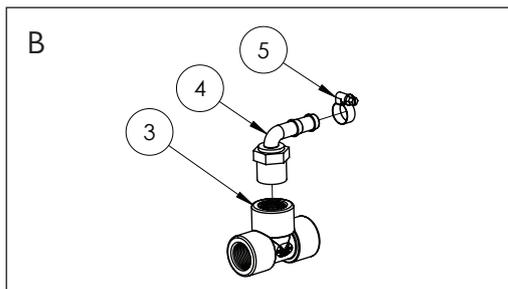
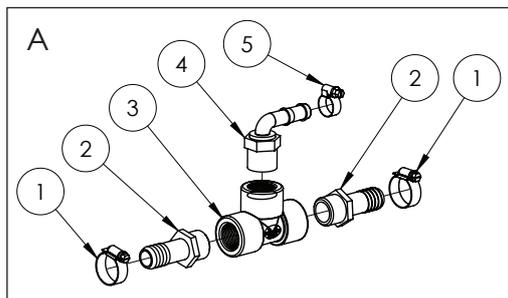
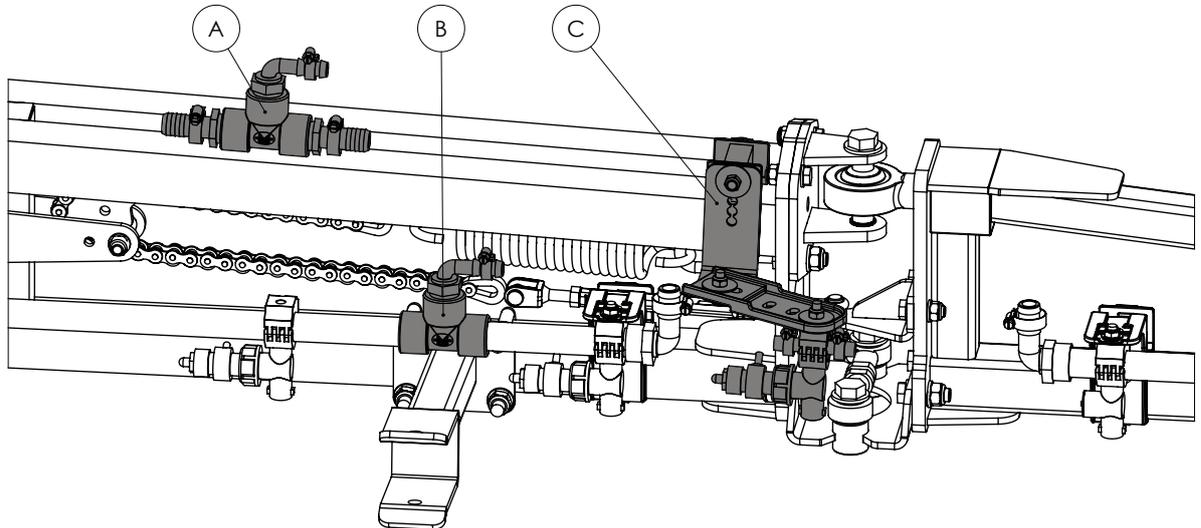
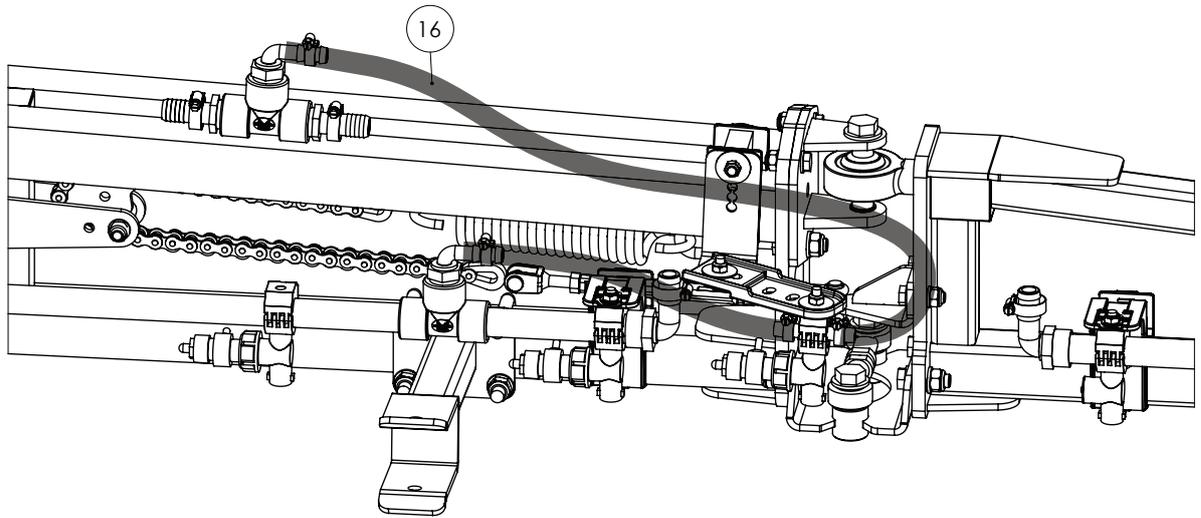
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	GA5018259	Nozzle bracket, plastic, U shape	1
2	GA5018257	Nozzle bracket, plastic, L shape, short	1
	GA5018258	Nozzle bracket, plastic, L shape, long	
3	GA5066965	Spacer suit nozzle brackets	1
4	GA5018255	Bracket, Nozzle extension, Plastic	1
5	GA5003645	Washer 5/16" ID x 1 1/4" OD Flat SS	4
6	GA5004741	Bolt M8 x 75 GR8.8 ZP	1
7	GA5004085	Bolt M8 x 20 GR8.8 ZP	1
8	GA5004917	Nut M8 Nyloc ZP	2

## Plumbing Lines - Nozzle Bracket Kits



ITEM NO.	PART NUMBER	DESCRIPTION
1	GA4948675-SK	Nozzle bracket kit, Single line, Suit 50mm RHS
2	GA4948695-SK	Nozzle bracket kit, Single line with extension, Suit 50mm RHS
3	GA4948685-SK	Nozzle bracket kit, Dual line, Suit 50mm RHS

# Plumbing Lines - Mid Breakaway Assembly



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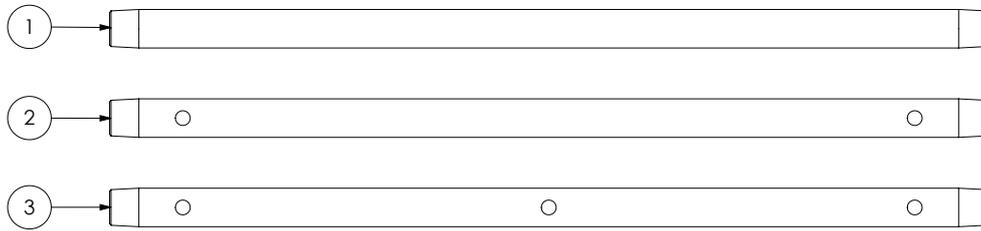
## Plumbing Lines - Mid Breakaway Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5000999	Hose Clamp, 3/4", SS (16-27/12W)	2
2	GA5077709	Hose barb, Straight, 3/4" male thread x 3/4" hose	2
3	GA5078150	Tee, Threaded, 3/4" female	2
4	GA5077710	Hose barb, Elbow, 90 degree, 3/4" male thread x 1/2" hose	2
5	GA5004865	Hose Clamp, 3/8",SS (8-16/9W)	4
6	GA5052600	Bolt M8 x 75 SS A2-70	2
7	GA5003645	Washer 5/16" ID x 1 1/4" OD Flat SS	5
8	GA5004917	Nut M8 Nyloc ZP	3
9	GA5066965	Spacer, square, plastic, 21 x 24 x 50 mm, suits nozzle brackets	1
10	GA5018259	Nozzle bracket, plastic, U shape	3
11	GA4537810	Nozzle bracket Long SS	1
12	GA5018255	Bracket, Nozzle extension, Plastic	1
13	GA5004713	Bolt M8 x 25 SS A2-70	2
14	GA5023620	Teejet Nozzle Body Inline Manifold Assembly 1/2"	1
15	GA5065520	Spray Stop, 6mm, Rapidfire, Suit Teejet nozzle body, Altek	1
16	GA2000211	Hose, Pressure, 12mm, Black, 250psi, HOS13P - Cut to 1000 mm	1

# Quantities shown are per side.

## Boom Poly - 3/4" - 600mm

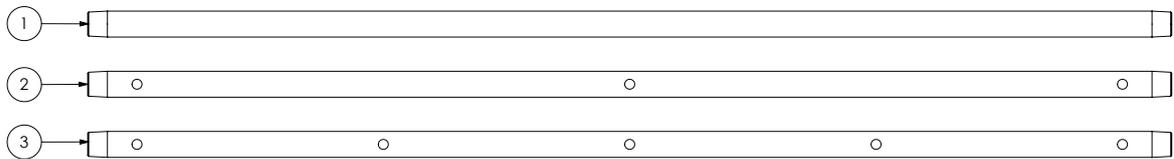
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ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018287	Boom line, Poly, 3/4", 600 long, No holes
2	GA2000510	Boom line, Poly, 3/4", 600 long, 2 holes, 500mm spacing
3	GA2000511	Boom line, Poly, 3/4", 600 long, 3 holes, 250mm spacing

## Boom Poly - 3/4" - 1100mm

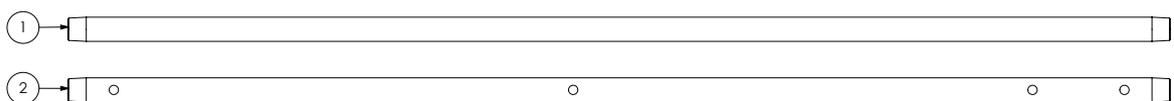
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ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018269	Boom line, Poly, 3/4", 1100 long, No holes
2	GA2000506	Boom line, Poly, 3/4", 1100 long, 3 holes, 500mm spacing
3	GA2000507	Boom line, Poly, 3/4", 1100 long, 5 holes, 250mm spacing

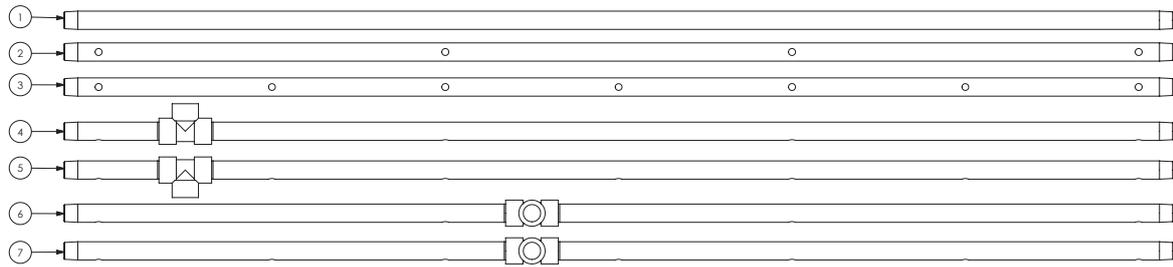
## Boom Poly - 3/4" - 1200mm

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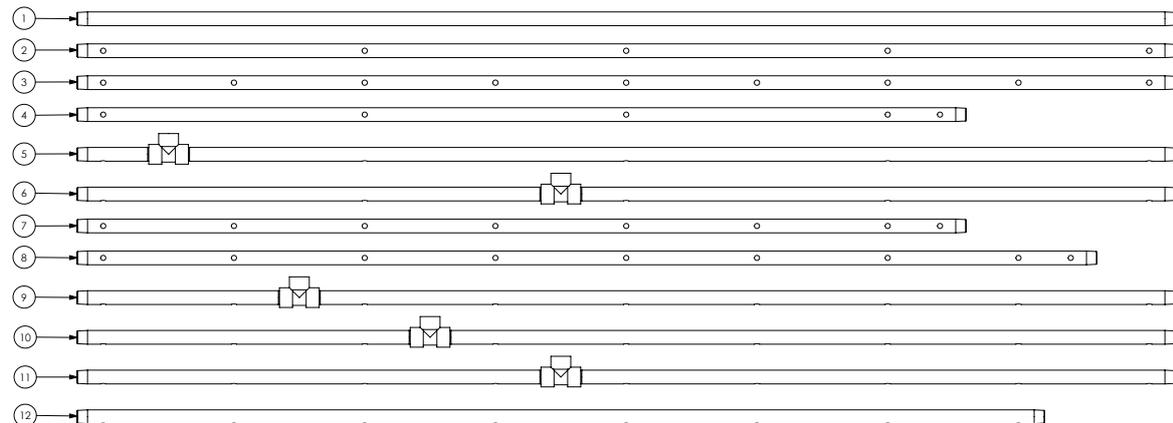
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018271	Boom line, Poly, 3/4", 1200 long, No holes
2	GA2000515	Boom line, Poly, 3/4", 1200 long, 3 holes plus fenceline, 500mm spacing

## Boom Poly - 3/4" - 1600mm



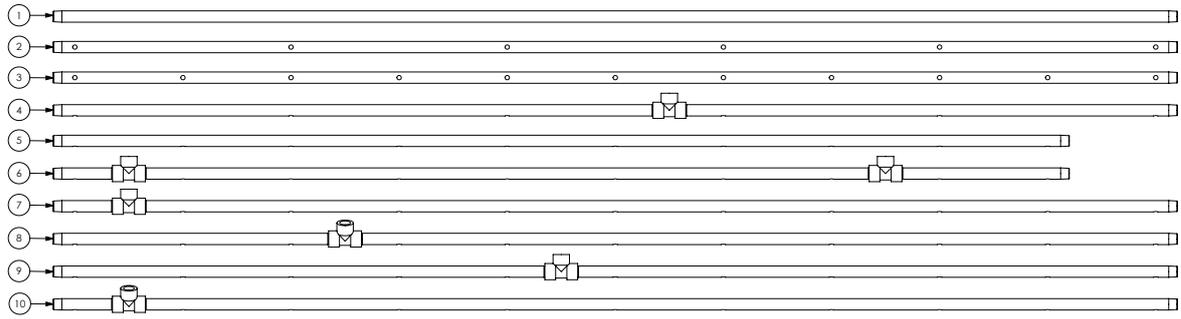
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018273	Boom line, Poly, 3/4", 1600 long, No holes
2	GA2000500	Boom line, Poly, 3/4", 1600 long, 4 holes, 500mm spacing
3	GA2000501	Boom line, Poly, 3/4", 1600 long, 7 holes, 250mm spacing
4	GA2000520	Boom line, Poly, 3/4", 1600 long, 4 holes, 500mm spacing, Tee 175mm
5	GA2000521	Boom line, Poly, 3/4", 1600 long, 7 holes, 250mm spacing, Tee 175mm
6	GA2000522	Boom line, Poly, 3/4", 1600 long, 4 holes, 500mm spacing, Tee 675mm 90 Deg.
7	GA2000523	Boom line, Poly, 3/4", 1600 long, 7 holes, 250mm spacing, Tee 675mm 90 Deg.

## Boom Poly - 3/4" - 2100mm



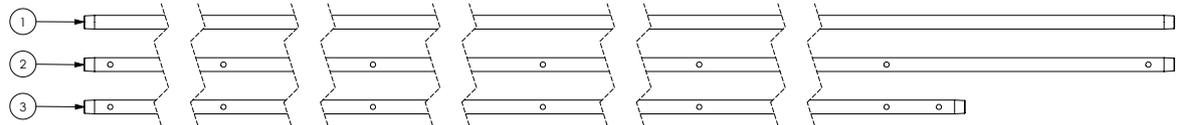
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018275	Boom line, Poly, 3/4", 2100 long, No holes
2	GA2000502	Boom line, Poly, 3/4", 2100 long, 5 holes, 500mm spacing
3	GA2000503	Boom line, Poly, 3/4", 2100 long, 9 holes, 250mm spacing
4	GA2000525	Boom line, Poly, 3/4", 1700 long, 4 holes plus fenceline, 500mm spacing
5	GA2000526	Boom line, Poly, 3/4", 2100 long, 5 holes, 500mm spacing, Tee 175mm
6	GA2000527	Boom line, Poly, 3/4", 2100 long, 5 holes, 500mm spacing, Tee 925mm
7	GA2000530	Boom line, Poly, 3/4", 1700 long, 7 holes plus fenceline, 250mm spacing
8	GA2000531	Boom line, Poly, 3/4", 1950 long, 8 holes plus fenceline, 250mm spacing
9	GA2000532	Boom line, Poly, 3/4", 2100 long, 9 holes, 250mm spacing, Tee 425mm
10	GA2000533	Boom line, Poly, 3/4", 2100 long, 9 holes, 250mm spacing, Tee 675mm
11	GA2000534	Boom line, Poly, 3/4", 2100 long, 9 holes, 250mm spacing, Tee 925mm
12	GA2000535	Boom line, Poly, 3/4, 1850 long, 8 holes, 250mm spacing

## Boom Poly - 3/4" - 2600mm



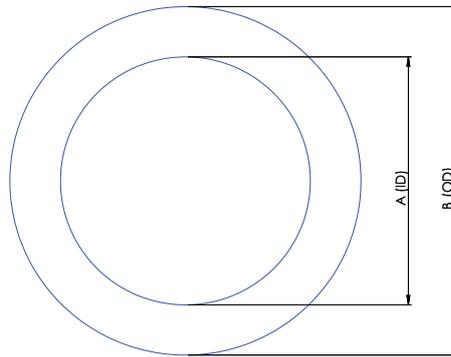
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018279	Boom line, Poly, 3/4", 2600 long, No holes
2	GA2000504	Boom line, Poly, 3/4", 2600 long, 6 holes, 500mm spacing
3	GA2000505	Boom line, Poly, 3/4", 2600 long, 11 holes, 250mm spacing
4	GA2000540	Boom line, Poly, 3/4", 2600 long, 6 holes, 500mm spacing, Tee 1175mm
5	GA2000541	Boom line, Poly, 3/4", 2350 long, 10 holes, 250mm spacing
6	GA2000542	Boom line, Poly, 3/4", 2600 long, 10 holes, 250mm spacing, Tee 175mm & 1925mm
7	GA2000543	Boom line, Poly, 3/4", 2600 long, 11 holes, 250mm spacing, Tee 175mm
8	GA2000544	Boom line, Poly, 3/4", 2600 long, 11 holes, 250mm spacing, Tee 675mm angled
9	GA2000545	Boom line, Poly, 3/4", 2600 long, 11 holes, 250mm spacing, Tee 1175mm
10	GA2000546	Boom line, Poly, 3/4", 2600 long, 11 holes, 250mm spacing, Tee 175mm angled

## Boom Poly - 3/4" - 3100mm



ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018281	Boom line, Poly, 3/4", 3100 long, No holes
2	GA2000508	Boom line, Poly, 3/4", 3100 long, 7 holes, 500mm spacing
3	GA2000550	Boom line, Poly, 3/4", 2700 long, 6 holes, 500mm spacing

# Hoses



## SUCTION HOSE

PART NUMBER	DESCRIPTION	INTERNAL DIAMETER (A)	OUTSIDE DIAMETER (B)
GA2000218	20mm Suction Hose	20mm	32mm
GA2000222	25mm Suction Hose	25mm	35mm
GA2000224	32mm Suction Hose	32mm	45mm
GA2000226	38mm Suction Hose	38mm	48mm
GA2000229	51mm Suction Hose	51mm	63mm
GA2000230	63mm Suction Hose	63mm	76mm
GA2000232	75mm Suction Hose	75mm	93mm

NOTE: Suction hose can be identified by its external green stripe and wire reinforcement.

## PRESSURE HOSE

PART NUMBER	DESCRIPTION	INTERNAL DIAMETER (A)	OUTSIDE DIAMETER (B)
GA2000200	7mm Pressure Hose	7mm	12.5mm
GA2000211	13mm Pressure Hose	13mm	20mm
GA2000216	20mm Pressure Hose	20mm	28mm
GA2000219	25mm Pressure Hose	25mm	34mm
GA2000223	32mm Pressure Hose	32mm	43mm
GA2000225	38mm Pressure Hose	38mm	48mm

NOTE: Pressure hose can be identified by its blue internal layer.

## PVC HOSE

PART NUMBER	DESCRIPTION	INTERNAL DIAMETER (A)	OUTSIDE DIAMETER (B)
GA2000220	25mm PVC Hose	25mm	32mm
GA2000227	40mm PVC Hose	40mm	50mm
GA2000228	50mm PVC Hose	50mm	58mm

NOTE: PVC Hose can be identified by its ribbed outer surface.

## SIGHT TUBE HOSE

PART NUMBER	DESCRIPTION	INTERNAL DIAMETER (A)	OUTSIDE DIAMETER (B)
GA2000209	12mm Clear Sight Tube Hose	12mm	-
GA2000210	12mm Clear Sight Tube Hose with wire	12mm	-

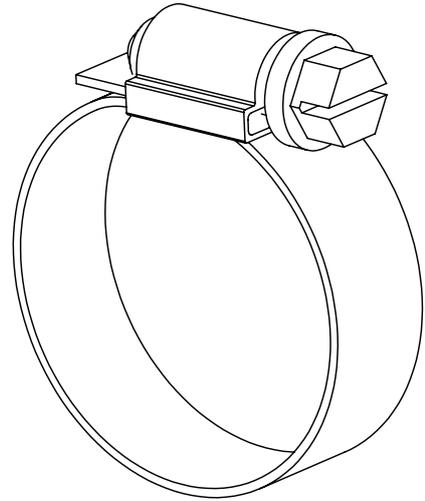
## LAY FLAT HOSE

PART NUMBER	DESCRIPTION	INTERNAL DIAMETER (A)	OUTSIDE DIAMETER (B)
GA2000220	25mm PVC Hose	25mm	32mm

## Hose Clamps

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PART NUMBER	DESCRIPTION
GA5004865	8-16mm Hose Clamp
GA5000469	12-20mm Hose Clamp
GA5000999	16-25mm Hose Clamp
GA5001681	20-32mm Hose Clamp
GA5016813	25-40mm Hose Clamp
GA5002783	30-45mm Hose Clamp
GA5002873	32-50mm Hose Clamp
GA5003325	40-60mm Hose Clamp
GA5016815	50-70mm Hose Clamp
GA5004241	60-80mm Hose Clamp



## Cable Ties

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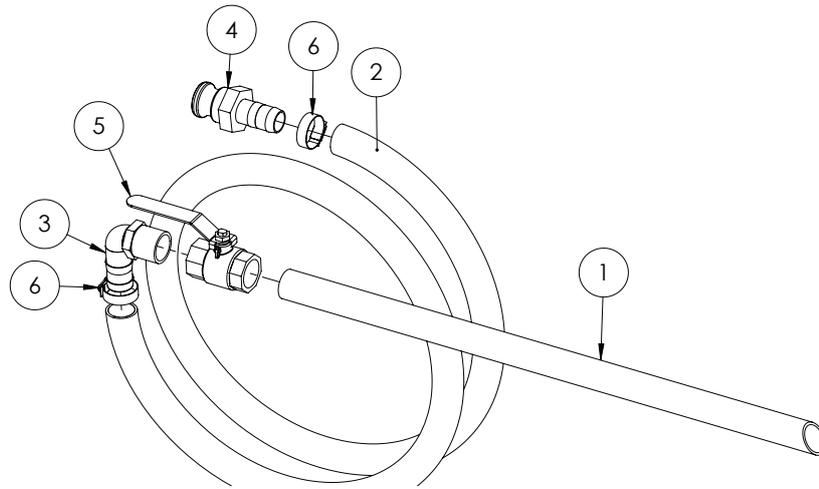
PART NUMBER	DESCRIPTION
GA5002173	Cable Tie, Black, 100 x 2.5mm
GA5003517	Cable Tie, Black, 140 x 3.5mm
GA5004455	Cable Tie, Black, 190 x 4.5mm
GA5000685	Cable Tie, Black, 320 x 7.5mm
GA5000687	Cable Tie, Black, 360 x 4.5mm
GA5021235	Cable Tie, Black, 540 x 7.5mm

## Spiral Guard

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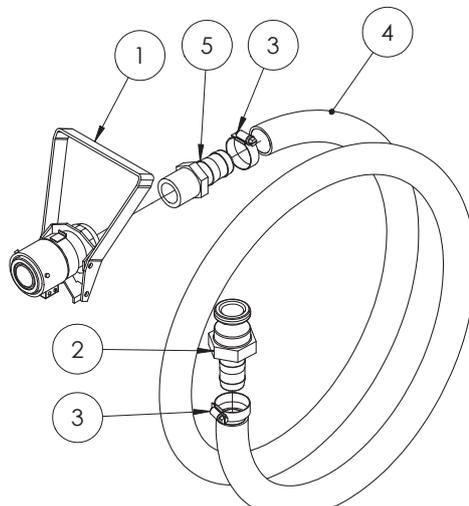
PART NUMBER	DESCRIPTION
GA5015669	Spiral guard, Black

## Chemical Probe Hose Lance



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4948250	Chemical suction probe, Assembled	-
1	GA5013603	Poly Pipe 25 (cut 630mm long)	1
2	GA2000220	Hose, Suction, PVC, 25mm, Black - cut 3200 mm long	1
3	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo	1
4	GA5076011	Cam lever, 1" male coupling x 1" hose barb, Banjo	1
5	GA5018319	Valve, Ball, 25mm female thread inlet / outlet, Lever handle, SS	1
6	GA5001681	Hose Clamp, 1" SS (20-32/12W)	2

## Enviro Coupling & Hose



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5020600	Enviro drum / micromatic coupling with suction hose	-
1	GA5018803	Micromatic drum valve coupling, 3 pin, Viton seals	1
	GA5018799	Seal kit, Suit micromatic / enviro drum coupling GA5018803	-
2	GA5076011	Cam lever, 1" male coupling x 1" hose barb, Banjo	1
3	GA5001681	Hose Clamp, 1" SS (20-32/12W)	2
4	GA2000220	Hose, Suction, PVC, 25mm, Black - cut 2840mm long	1
5	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1

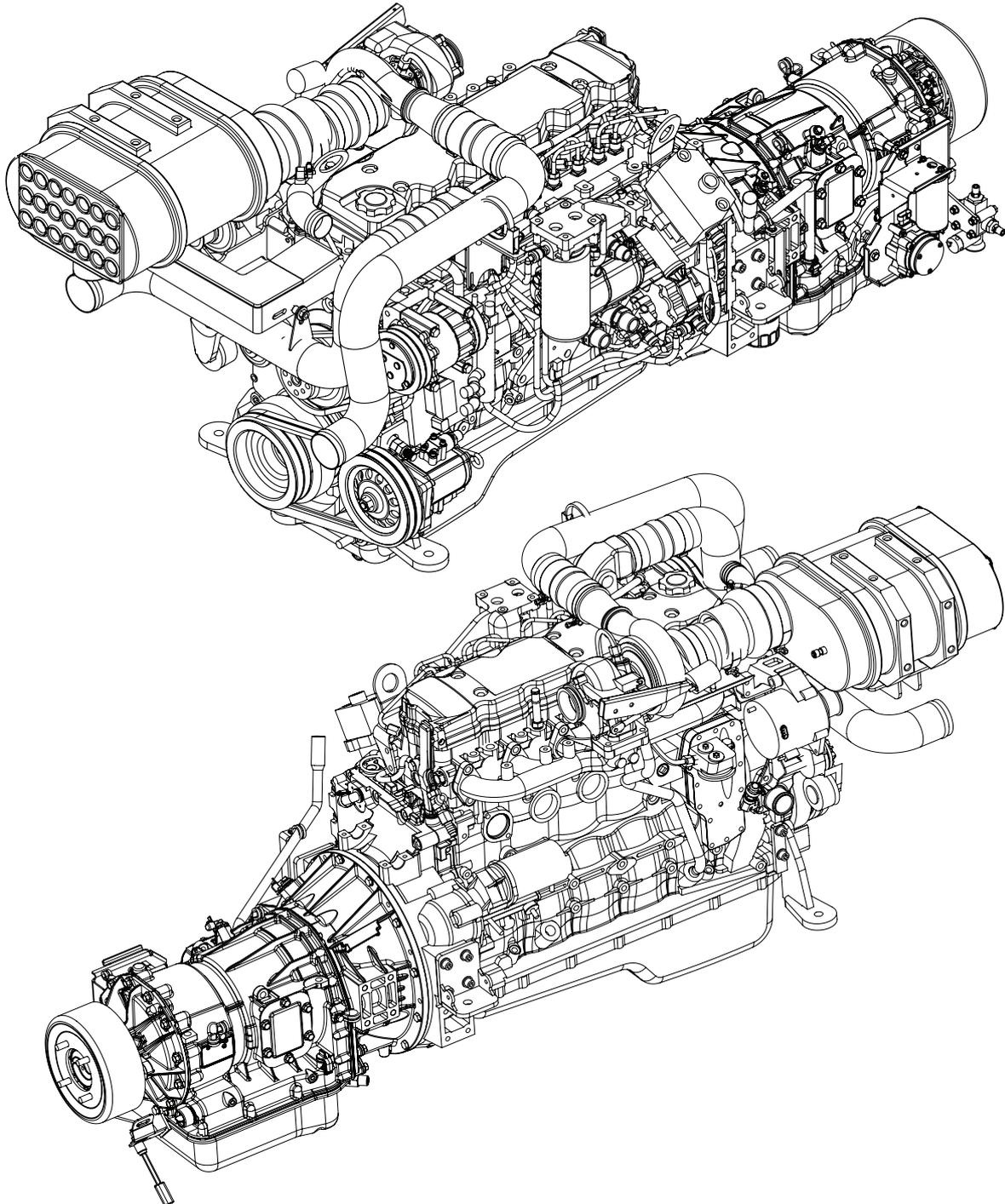
# Chapter 20

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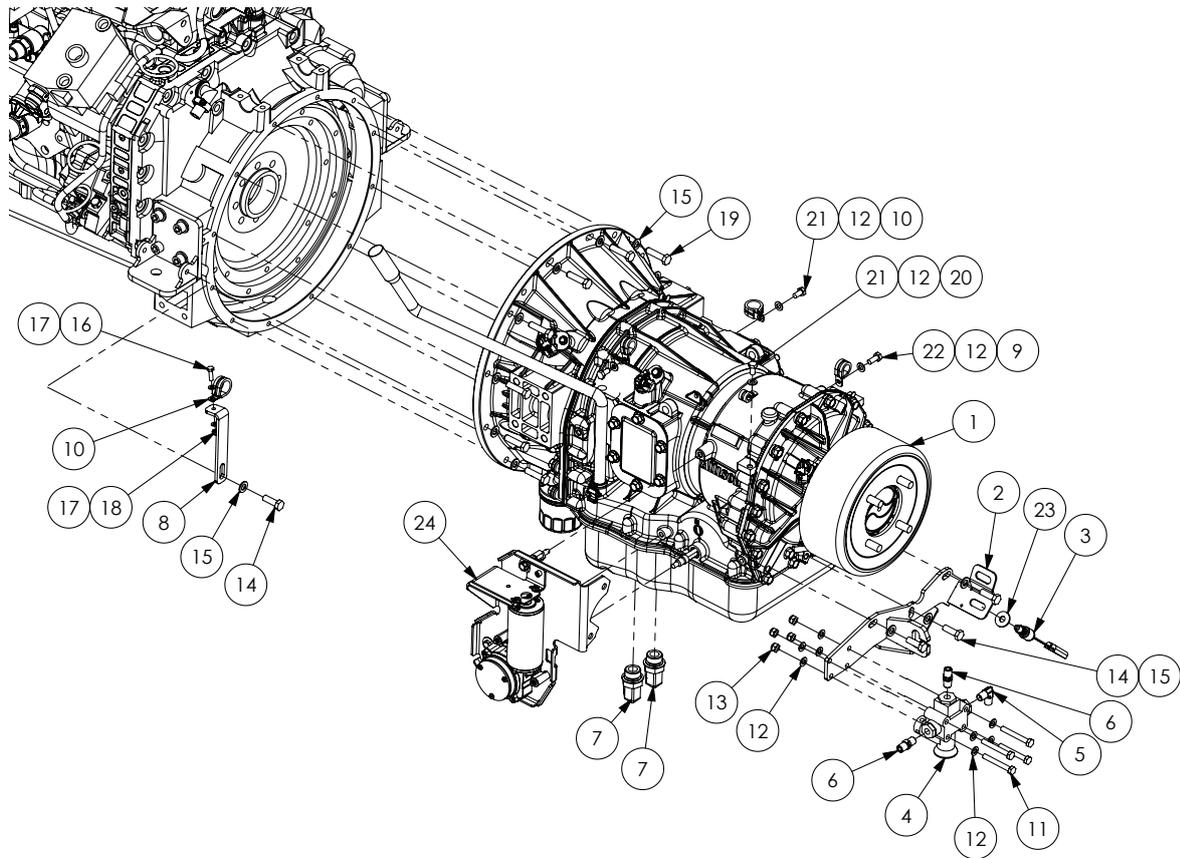
## ENGINE & TRANSMISSION

### Cummins Engine / Allison Transmission

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# Allison Transmission



## ALLISON TRANSMISSION SERVICE PARTS

PART NUMBER	DESCRIPTION
GA5048280	Filter , Allison - Spin On
GA5048285	Filter , Allison - Internal
GA5013769	Rear main oil seal - Allison transmission
GA5068650	Pad Assembly, Park Brake, Allison 2500 Transmission
GA2700002	Brake Drum, Park Brake, Allison 2500 Transmission

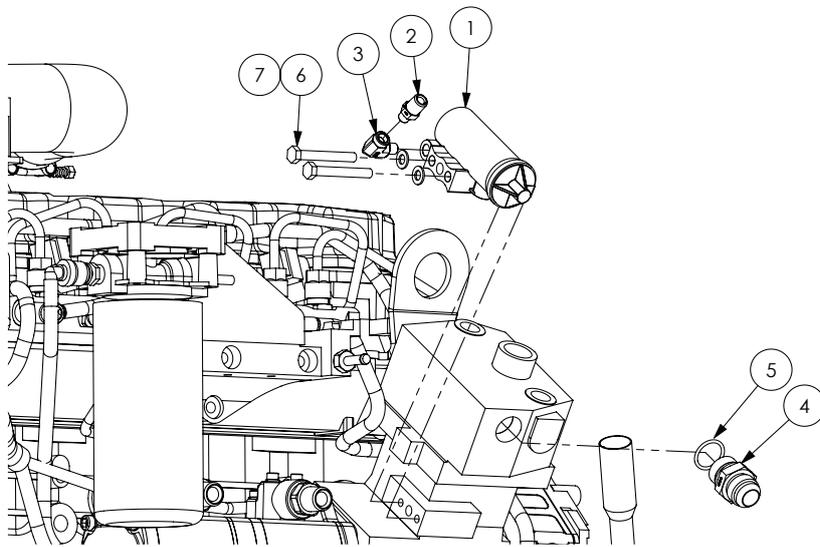
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5005350	Automatic transmission, Allison 2500 series suit CC QSB6.7L engine	1
2	GA4658075	Handbrake mount	1
3	GA5016079	Switch, 10A, 12V SPST 2 leads, 10mm Shank, Push for ON, suit Stop Lamp, no connector	1
	GA5016080	Switch, 10A, 12V SPST 2 leads, 10mm Shank, Push for ON, suit Stop Lamp, with 2 pin connector	
4	GA5010868	Ride height valve, 1/4" connecting rods	1
5	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male	1
6	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSP x 1/4" BSP	2
7	GA3500351	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1 1/16" UN male O-ring	2
8	GA4503735	Bracket, Trans dip stick	1

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## Allison Transmission

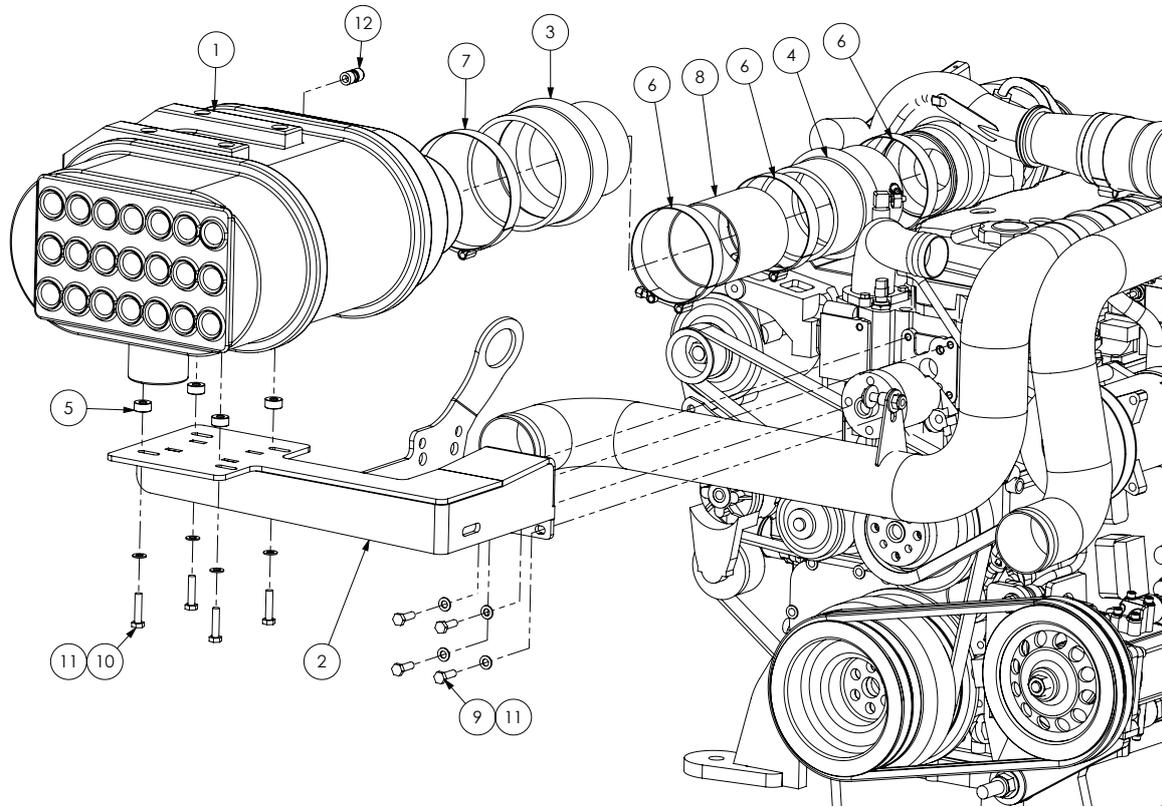
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
9	GA5049825	Clamp P 19 mm 56483	3
10	GA5049830	Clamp P 27 mm 56485	2
11	GA5011489	Bolt M8 x 60 ZP GR8.8	4
12	GA5003643	Washer 8mm Flat SS HD	12
13	GA5052590	Nut M8 Nyloc SS	4
14	GA5065455	Bolt M10 x 30 ZP GR8.8	4
15	GA5000117	Washer 10mm Flat SS HD	16
16	GA5004065	Bolt M6 x 20 ZP GR8.8	1
17	GA5004437	Washer 6mm Flat SS	2
18	GA5048115	Nut M6 Nyloc ZP	1
19	GA5006071	Bolt M10 x 40 ZP GR10.9	12
20	GA5050120	Clamp P 10 mm -56840	1
21	GA5011465	Bolt M8 x 16 ZP GR8.8	3
22	GA5004085	Bolt M8 x 20 ZP GR8.8	1
23	GA5002627	Washer, 3/8" ID x 1 1/8" OD, High Tensile	1
24	GA3000077	Actuator, drive motor assembly, push button gear selector, Arens	1

## Air Governor - Air Pump Fitting



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5007623	D2 Governor Valve	1
2	GA3500217	Hydraulic adaptor, Nipple, 1/4" BSP male x 1/8" BSP male	1
3	GA3500208	Hydraulic adaptor, Elbow, 90 degree, 1/8" BSPT male x 1/8" BSPT female	1
4	GA5077883	Hydraulic adaptor, Nipple, 1 1/16" JIC thread x M27 x 2.0p thread	1
5	GA5078122	O-Ring BSPP 3/4"	1
6	GA5011489	Bolt M8 x 60 ZP GR8.8	2
7	GA5003643	Washer 8mm Flat SS HD	2

# Air Cleaner

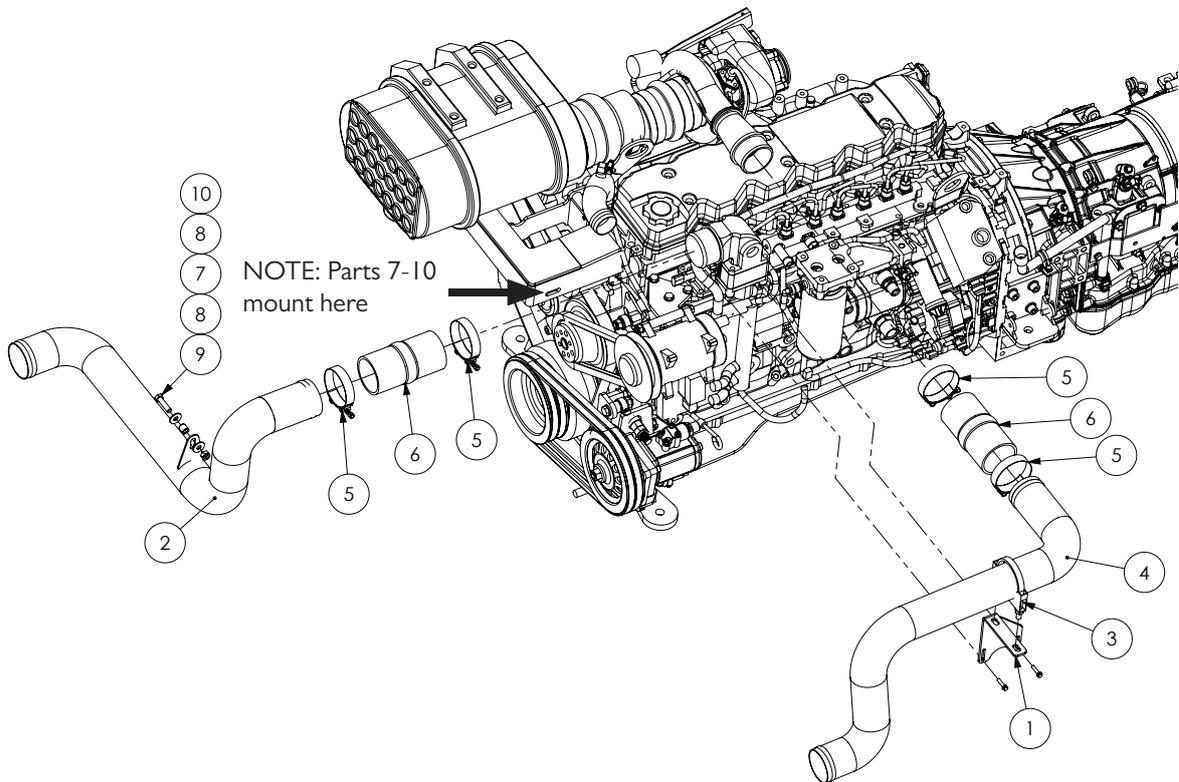


## AIR FILTER SERVICE PARTS

PART NUMBER	DESCRIPTION
GA5069031	Air cleaner primary element, suit GA5069030, Donaldson
GA5069032	Air cleaner safety element, suit GA5069030, Donaldson

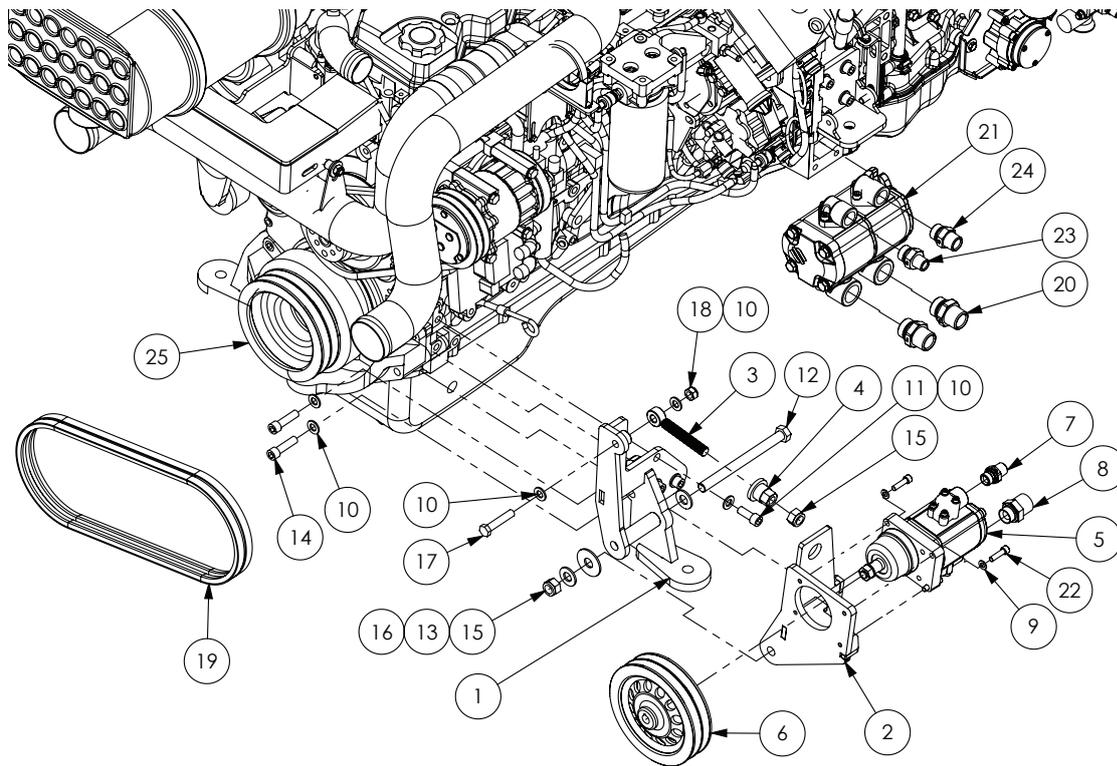
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069030	Air cleaner Donaldson PDS10-0072	1
2	GA4658940	Mount, Air cleaner, Crop Cruiser QSB 2012	1
3	GA5010347	Hump Reducer 5" x 4"	1
4	GA5066526	Rubber hump joiner 4"	1
5	GA4552830	Spacer, Seat base	4
6	GA5010197	Hose Clamp 4" T-bolt	3
7	GA5010201	Hose Clamp 5" T-bolt	1
8	GA5065171	Exhaust tube, stainless steel 4", 100mm long	1
9	GA5004711	Bolt M8 x 25 ZP GR8.8	4
10	GA5011481	Bolt M8 x 35 ZP GR8.8	4
11	GA5003643	Washer 8mm Flat SS HD	8
12	GA5070450	Female Adaptor Push In 6mm x 1/8" BSP	1

## Charge Air Intake Pipes



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4503755	Bracket, Charge air pipe to throttle body mount	1
2	GA5069230	Pipe, charge air, includes weld on tab SP 201 I	1
3	GA5002297	Clamp Exhaust 3 1/8"	1
4	GA5069235	Pipe, Charge air, LH suit SP 201 I	1
5	-	Hose Clamp, Intercooler Pipes	4
6	-	Hump Hose, Cummins	2
7	GA4552830	Spacer, Seat base	1
8	GA5003643	Washer 8mm Flat SS HD	2
9	GA5011481	Bolt M8 x 35 ZP GR8.8	1
10	GA5000141	Nut M10 Nyloc ZP	1

## Hydraulic Pumps - Fan & Main



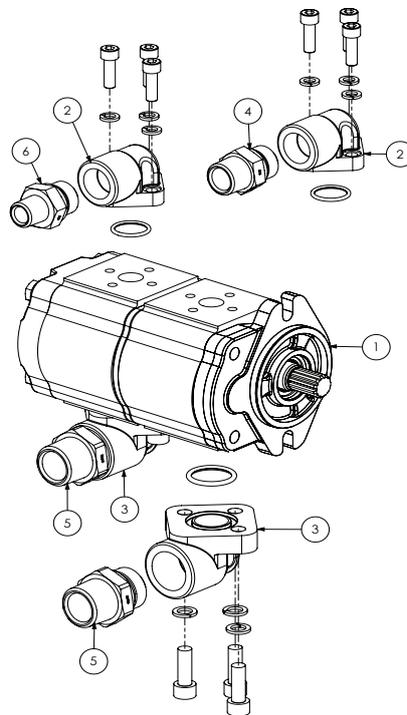
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659456	Engine mount, Front left hand, Includes fan pump mount	1
2	GA4659455	Bracket, Hydraulic fan pump, Pump mounting side	1
3	GA4659350	Adjuster bolt, M16, Crop Cruiser fan drive pump belt tension	1
4	GA4552881	Nut, Suit fan drive pump adjuster, M16 x 2mm pitch	1
5	GA5047765	Pump, Hydraulic, 22cc / rev, Radiator Fan MY14	1
6	GA4553170	Pulley, Fan Pump Suit Bosch Rexroth Pump, MY14 On	1
7	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	1
8	GA3500316	Hydraulic adaptor, Nipple, 1" BSPT male x 3/4" BSPP male	1
9	GA5003643	Washer 8mm Flat SS HD	4
10	GA5000577	Washer 12mm Flat SS HD	7
11	GA5000307	SHCS M12 x 30 ZP GR12.9	3
12	GA5051090	Bolt M16 x 190 ZP GR8.8	1
13	GA5001043	Washer 16mm Flat SS HD	2
14	GA5000325	SHCS M12 x 45 ZP GR12.9	2
15	GA5001029	Nut M16 Nyloc ZP	2
16	GA5003705	Washer 5/8" Flat ZP Large Heavy Duty	1
17	GA5000335	Bolt M12 x 60 ZP GR8.8	1
18	GA5012461	Nut M12 Nyloc ZP	1

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## Hydraulic Pumps - Fan & Main

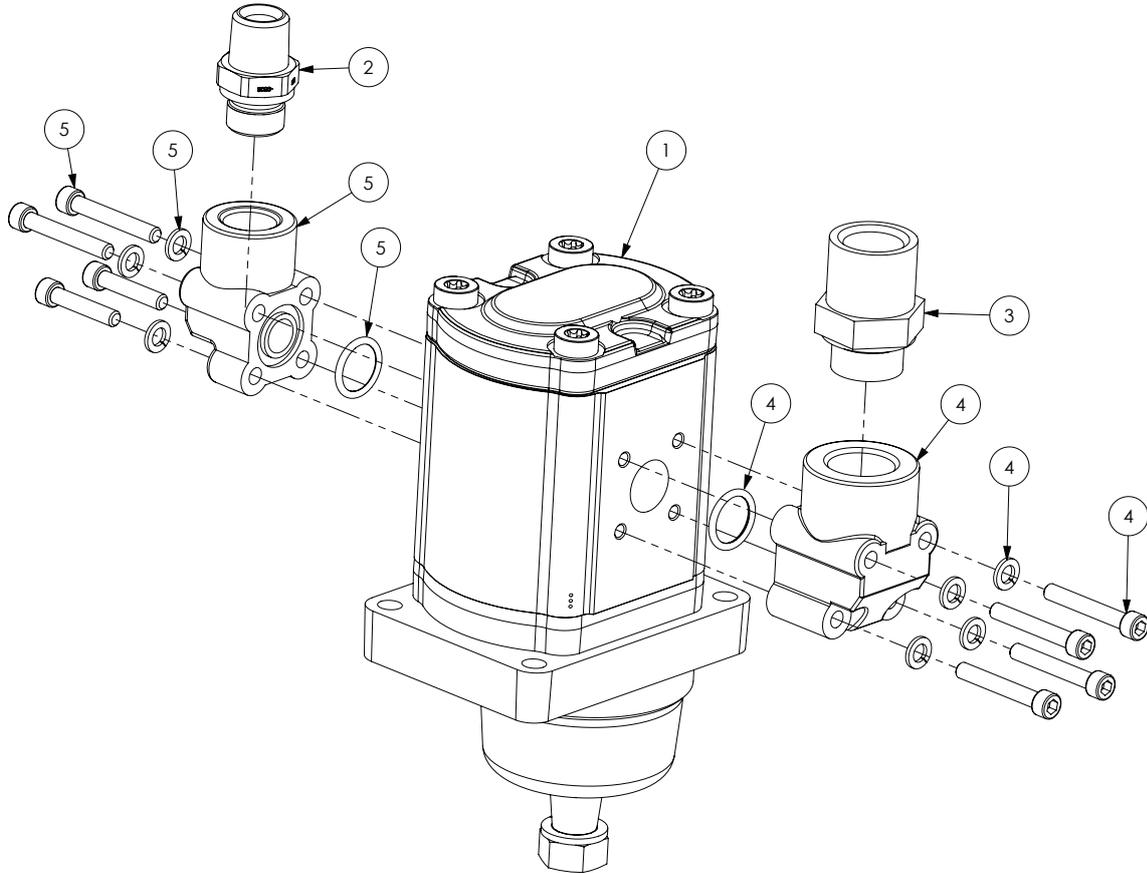
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
19	GA5068927	V belt, Notched, suit remote mounted hydraulic fan pump	2
20	GA5070765	SHCS M8 x 30 ZP GR 12.9	4
21	*	Hydraulic Pumps - 32cc/22cc	1
22	GA3500312	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/4" BSPP male	1
23	GA3500314	Hydraulic adaptor, Nipple, 3/4" BSPT male x 3/4" BSPP male	1
24	GA3500317	Hydraulic adaptor, Nipple, 1" BSPT male x 1" BSPP male	2
25	GA4552735	Pulley, Belt drive	1

## Hydraulic Pumps - 32cc/22cc



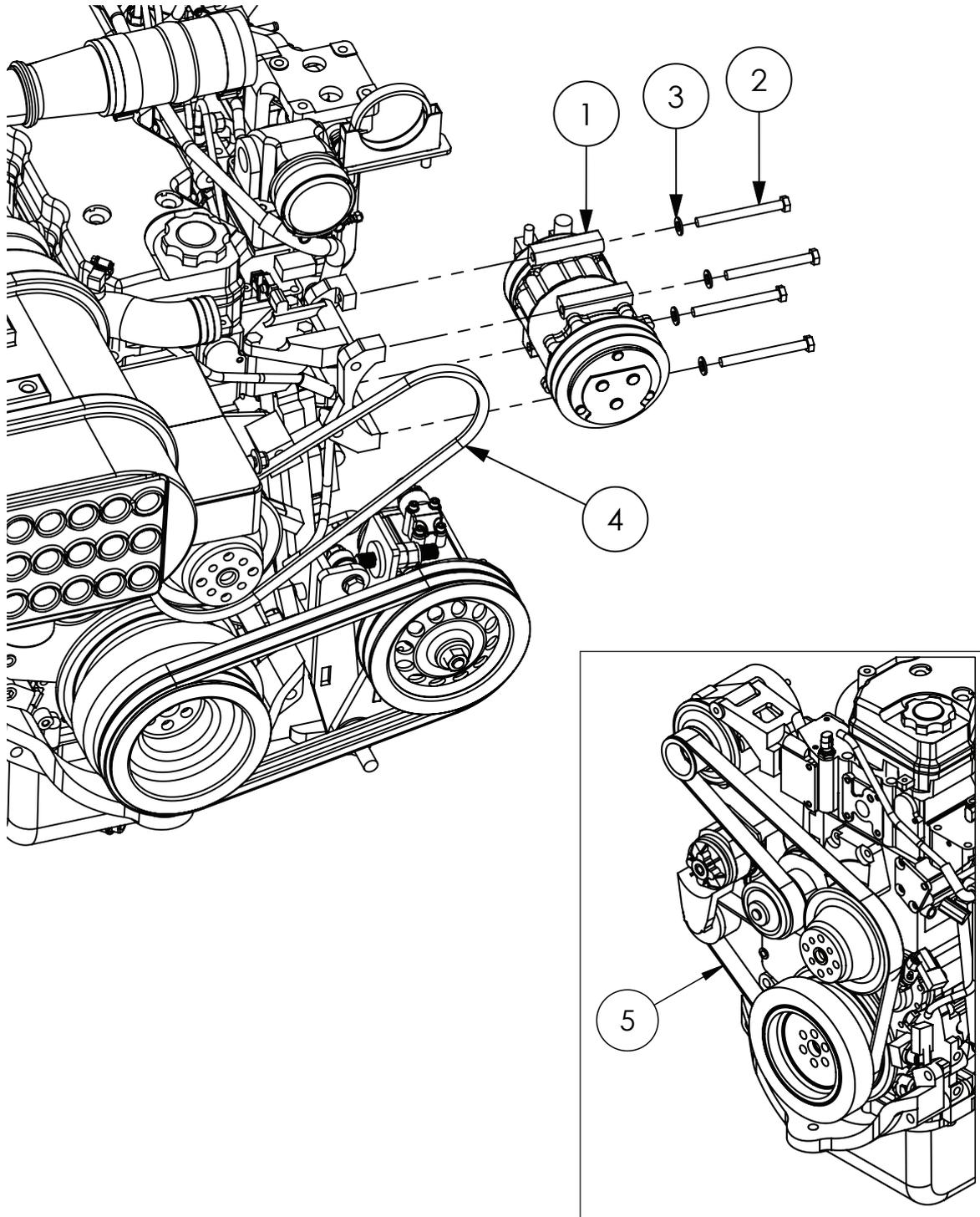
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA3500121	Seal kit, Hydraulic pump, Single only, suit GA3500055 and GA3500007 (2 required per pump)	-
1	GA3500007	Pump, Hydraulic, 22+32cc, 11 tooth spline, Including port adaptors	1
2	GA3500064	Port adaptor inc. O-ring, Hydraulic, 90 degree, 3/4", suit Salami pump	2
	GA5071850	O-Ring, 2.62 x 22.2mm, Nitrile, Suit 3/4" Port Adaptor	-
3	GA3500065	Port adaptor inc. O-ring, Hydraulic, 90 degree, 1", suit Salami pump	2
	GA5076059	O ring, 29.75 x 3.53 mm, Nitrile, Suit 1" Port Adaptor	-
4	GA3500314	Hydraulic adaptor, Nipple, 3/4" BSPT male x 3/4" BSPP male	1
5	GA3500317	Hydraulic adaptor, Nipple, 1" BSPT male x 1" BSPP male	2
6	GA3500312	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/4" BSPP male	1

# Hydraulic Pumps - Fan



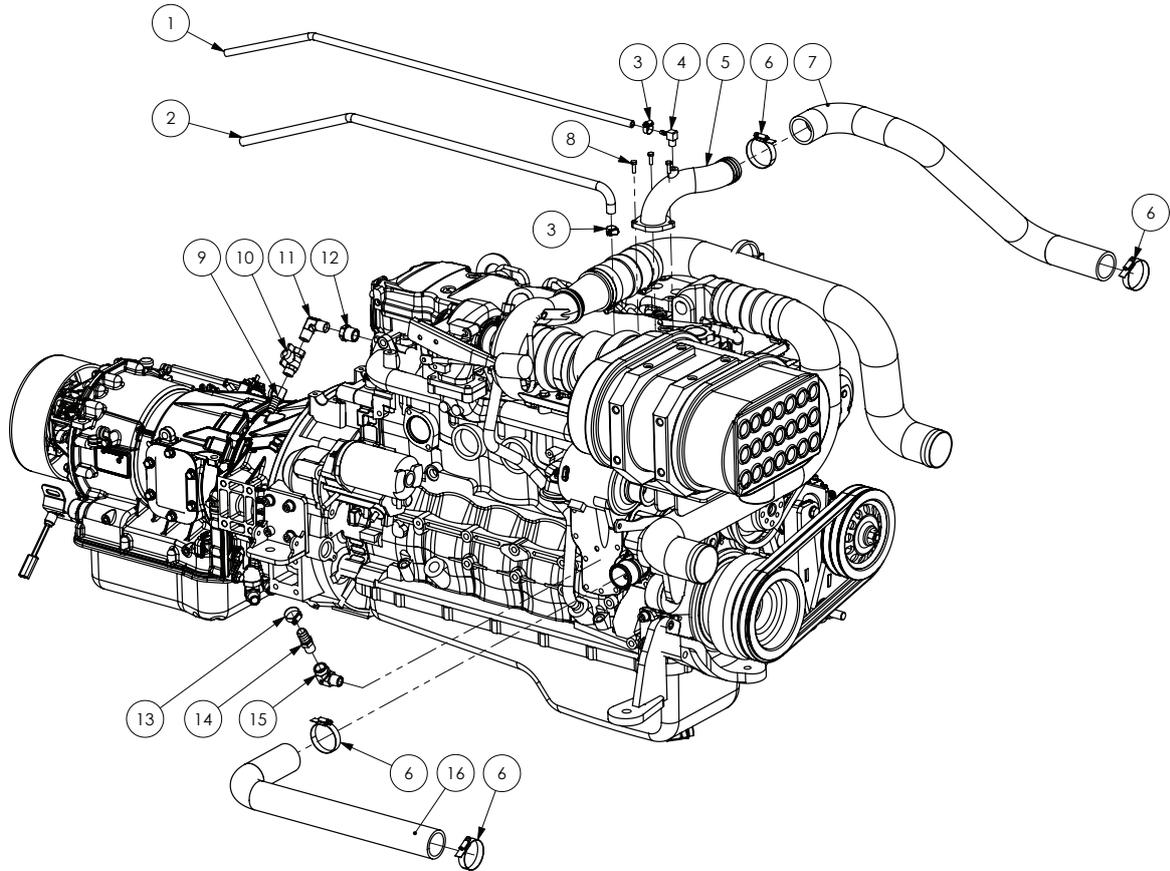
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047765	Pump, Hydraulic, 22cc / rev, Radiator Fan	1
2	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	1
3	GA3500316	Hydraulic adaptor, Nipple, 1" BSPT male x 3/4" BSPP male	1
4	GA5013231	Port Adaptor, 90 degree, 3/4"	1
5	GA5005193	Port Adaptor, 90 degree, 1/2"	1

## Air Conditioner Compressor & Belts



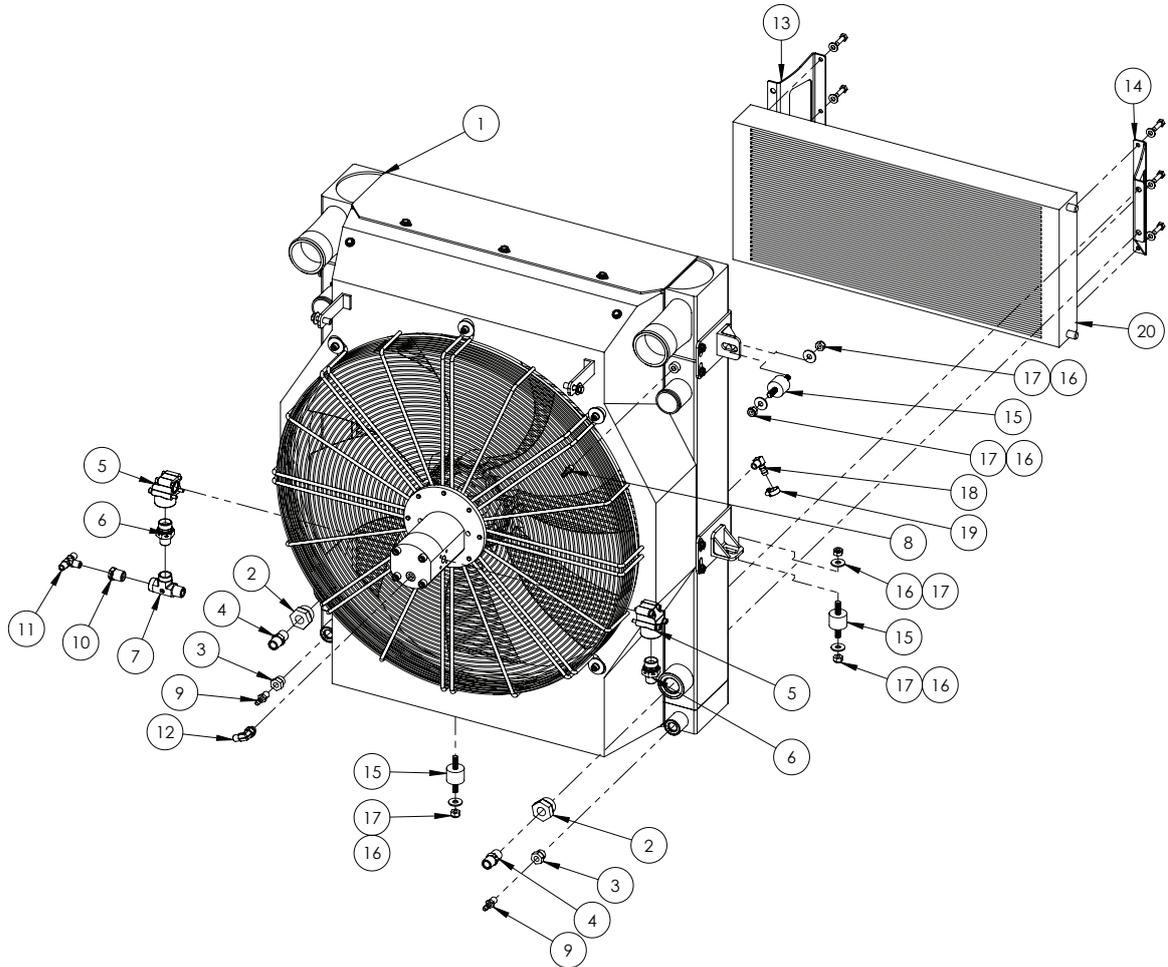
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5071641	Air Conditioner Compressor, Pad Mount	1
2	GA5006091	Bolt M10 x 100 ZP GR8.8	4
3	GA5000117	Washer 10mm Flat SS HD	4
4	GA5071435	V Belt, Air Conditioner, 13A1080	1
5	GA5075275	Belt, Serpentine, Water Pump Alternator	1

# Coolant System Plumbing



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077825	Hose, fuel line, 5/16" ID, Black (cut to 1000mm)	1
2	GA5010211	Hose, fuel line, 3/8" ID, Black (cut to 1000mm)	1
3	GA5000469	Hose clamp, 1/2", SS	2
4	GA5048340	Elbow, 90 degree, 1/4" male thread x 1/4" hose, Brass	1
5	GA4657280	Thermostat Housing Elbow 304 Stainless Steel	1
6	GA5016815	Torro Hose Clamp	4
7	GA5070485	Radiator hose, Upper, Green silicone, HYDAC	1
8	GA5004053	BHCS M6 x 20 SS A2-70	3
9	GA4903350	Water Restrictor suit QSB engine	1
10	GA5020615	Valve, Ball, 12mm, 1/2" Male, Female Butterfly, Brass	1
11	GA3500262	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPT male	1
12	GA3500204	Hydraulic adaptor, Reducing bush, 3/4" BSPT male x 1/2" BSPT female	1
13	GA5000999	Hose Clamp, 3/4", SS	2
14	GA5022070	Hoesetail brass 1/2" thread x 3/4" barb	1
15	GA3500210	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPT female	1
16	GA5070486	Radiator hose, Lower right hand side, Green silicone, Hydac	1

# Combi Cooler



## MOTOR & SEALS

PART NUMBER	DESCRIPTION
GA5070840	Gear Motor, Hydraulic, GR2 Fan Drive
GA5078412	Seal kit, suit GA5070840, Combi cooler hydraulic motor, HYDAC, Exc. shaft seal
GA3500844	Seal, Motor Shaft, Hydraulic Fan Drive Motor GA5070840, G6 & G8

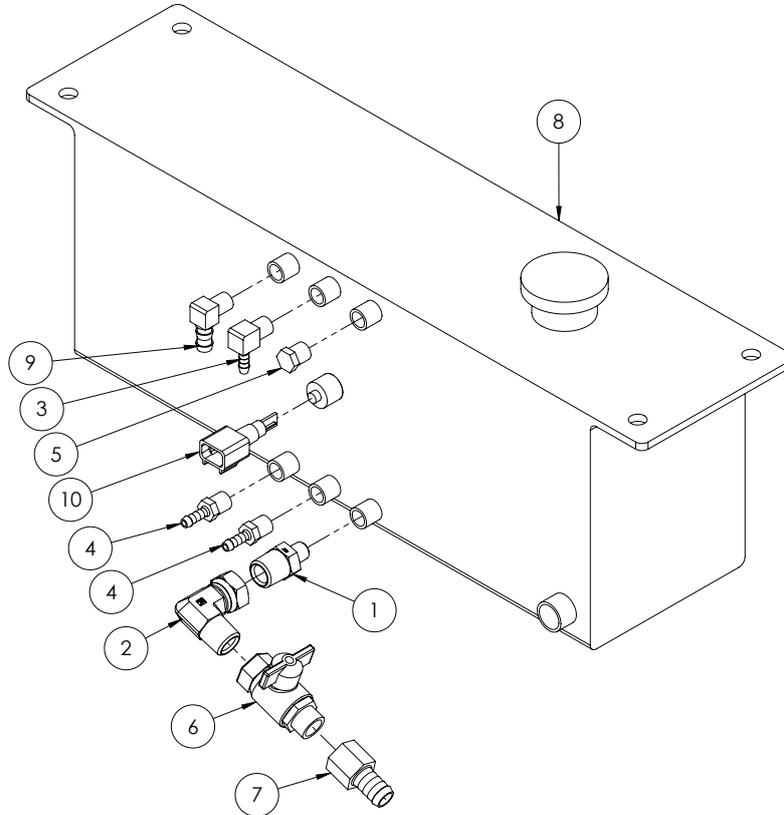
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069040	Radiator, Combi cooler kit suit G6 including header tank & hydraulic fan	1
2	GA3500343	Hydraulic adaptor, Reducing bush, 1/2" BSPT female x 1 5/16" UN male O-ring	2
3	GA3500340	Hydraulic adaptor, Reducing bush, 1/4" BSPT female x 3/4" UN male O-ring	2
4	GA3500223	Hydraulic adapter, Nipple, 1/2" BSP male x 1/2" BSP male	2
5	GA5013231	Port Adaptor, 90 degree, 3/4"	2
6	GA3500312	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/4" BSPP male	2

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## Combi Cooler

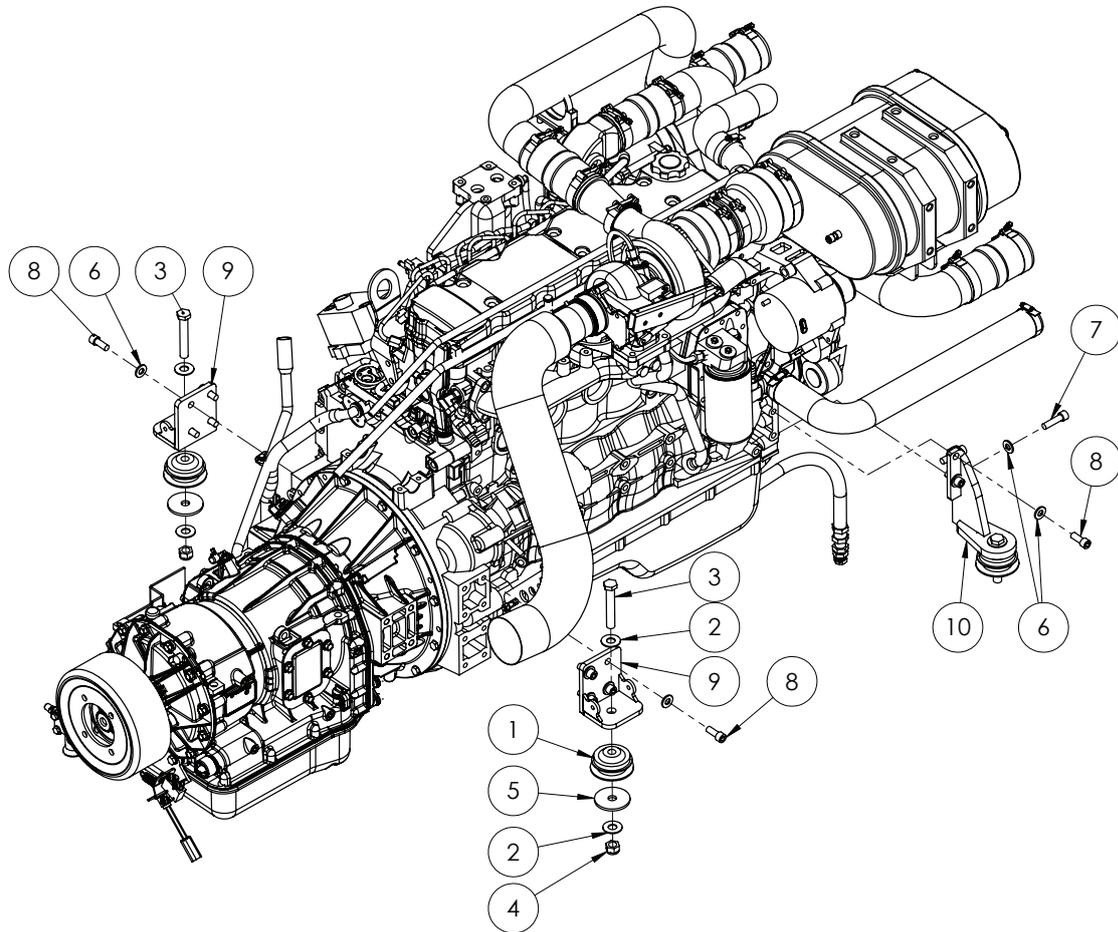
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
7	GA3500254	Hydraulic adaptor, Tee, 1/2" BSPT female x 1/2" BSPT female x 1/2" BSPT male	1
8	GA5020695	Hosetail (brass) 1/4" x 1/8" Male Thread	2
9	GA5068780	Hose barb, 1/4" BSPT male x 5/16" hose, Brass	2
10	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female	1
11	GA3500269	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPT male	1
12	GA3500320	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP male O-ring	1
13	GA4503655	Bracket, LH AC mount to Radiator	1
14	GA4503660	Bracket, RH AC mount to Radiator	1
15	GA5069130	Isolator, Sandwich mount, 28 long x 40mm OD, M10 x 25	6
16	GA5002627	Washer, 3/8" ID x 1 1/8" OD, High Tensile	10
17	GA5000141	Nut M10 Nyloc ZP	10
18	GA5049290	Elbow 1/4" male thread x 3/8" barb brass	1
19	GA5004865	Hose Clamp, 3/8",SS (8-16/9W)	1
20	GA5007361	Condensor assembly (tube & fin 6 rows 5/16")	1

# Header Tank Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5025150	Radiator cap, 1.2 bar	-
1	GA3500221	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/4" BSPT male	1
2	GA3500333	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel	1
3	GA5048340	Elbow, 90 degree, 1/4" male thread x 1/4" hose, Brass	1
4	GA5020540	Hose barb, Straight, 1/4" male thread x 1/4" hose, Brass	2
5	GA5069335	Plug, 1/4" BSPT male thread, Brass	1
6	GA5020615	Valve, Ball, 12mm, 1/2" Male, Female Butterfly, Brass	1
7	GA5003697	Hose barb, 1/2" BSP female x 5/8" hose, Brass	1
8	GA5069041	Header tank - Includes cap	1
	GA5025150	Radiator cap, 1.2 bar, G6 G8, Hydac	-
9	GA5049290	Elbow 1/4" male thread x 3/8" barb brass	1
10	GA5066280	Sensor low coolant level	1

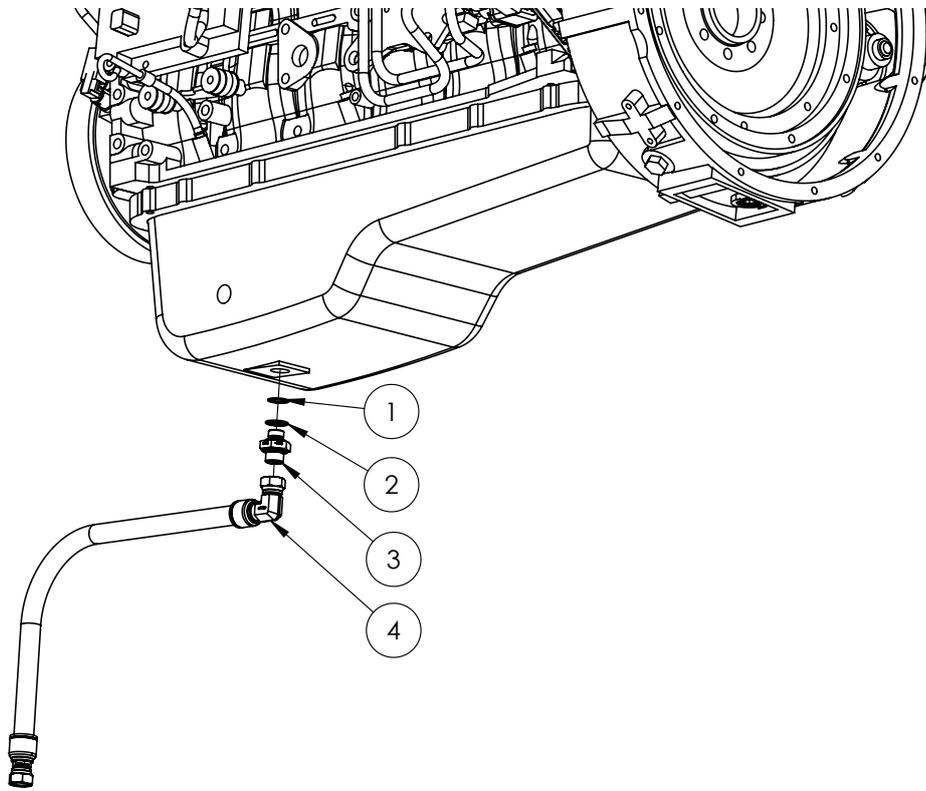
# Engine Mounts



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4659456	Engine mount, Front left hand, Includes fan pump mount	1
1	GA5070020	Vibration Isolator, 80mm	4
2	GA5001043	Washer 16mm Flat SS HD	8
3	GA5011269	Bolt M16 x 100 ZP GR8.8	4
4	GA5001029	Nut M16 Nyloc ZP	4
5	GA4502820	Washer, 70mm OD x 16.5mm ID x 5mm thick	4
6	GA5000577	Washer 12mm Flat SS HD	12
7	GA5000325	SHCS M12 x 45 ZP GR12.9	2
8	GA5000307	SHCS M12 x 30 ZP GR12.9	10
9	GA4654971	Engine mount, CCSP Rear	2
10	GA4656610	Engine mount, CCSP front RH	1

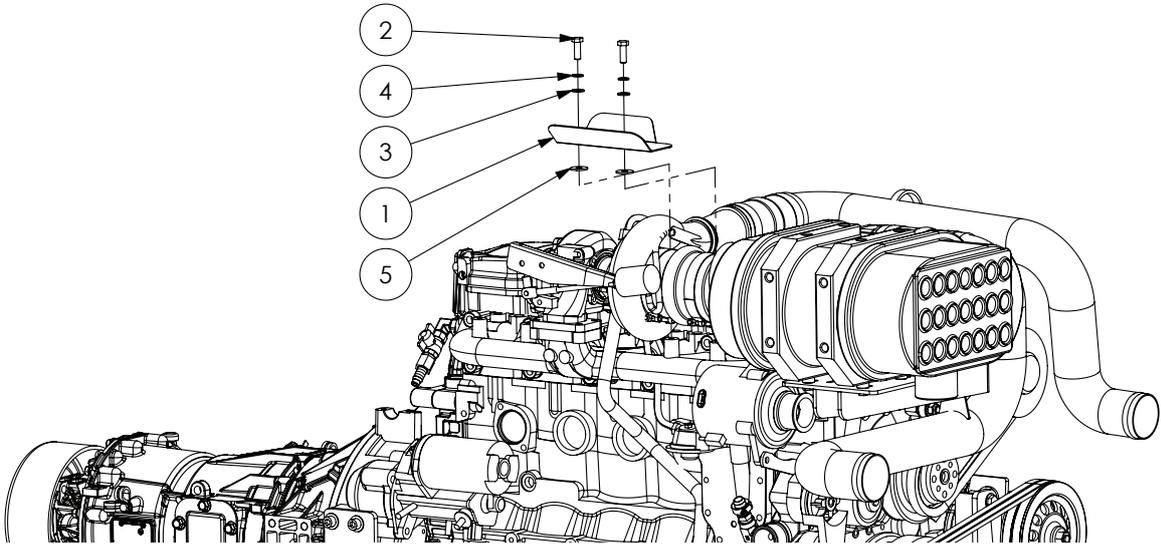
## Sump Drain

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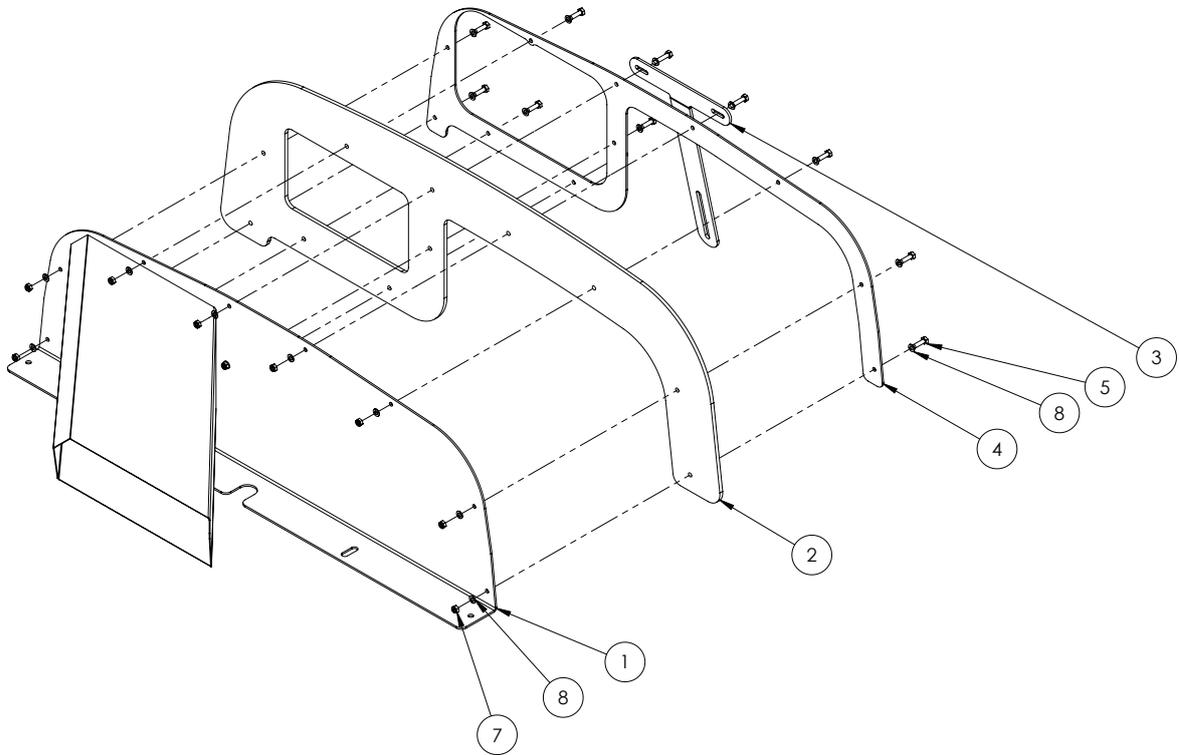
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070725	Copper Washer 18 mm x 1.5	1
2	GA5077886	Hydraulic Seal, Metal bonded, M18	1
3	GA3500484	Hydraulic Adaptor Nipple, M18 x 1/2" BSPP	1
4	GA4908095	Hydraulic Hose, Hydraulic Hose, Sump, Drain, Engine	1

# Heat Shield



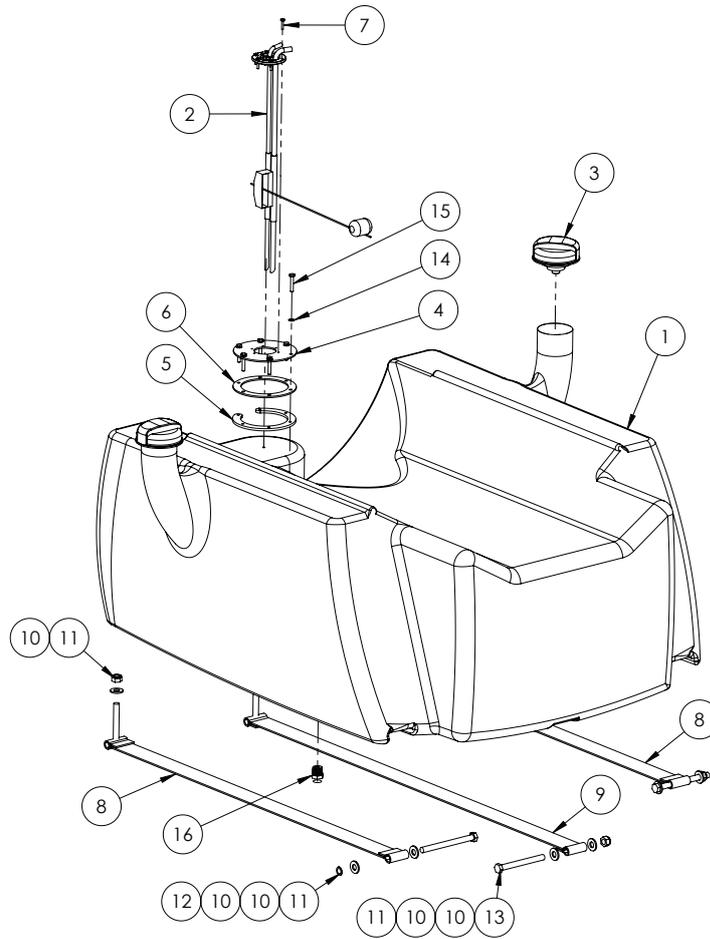
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4503765	Heat Shield, Air Cleaner SS	1
2	GA5006161	Bolt M10 x 25 GR8.8 ZP	2
3	GA5000117	Washer 10mm Flat SS HD	2
4	GA5000137	Washer 10mm Spring SS	2
5	GA5002627	Washer 3/8" ID x 1 1/8" OD High Tensile	2

# Engine Air Divider



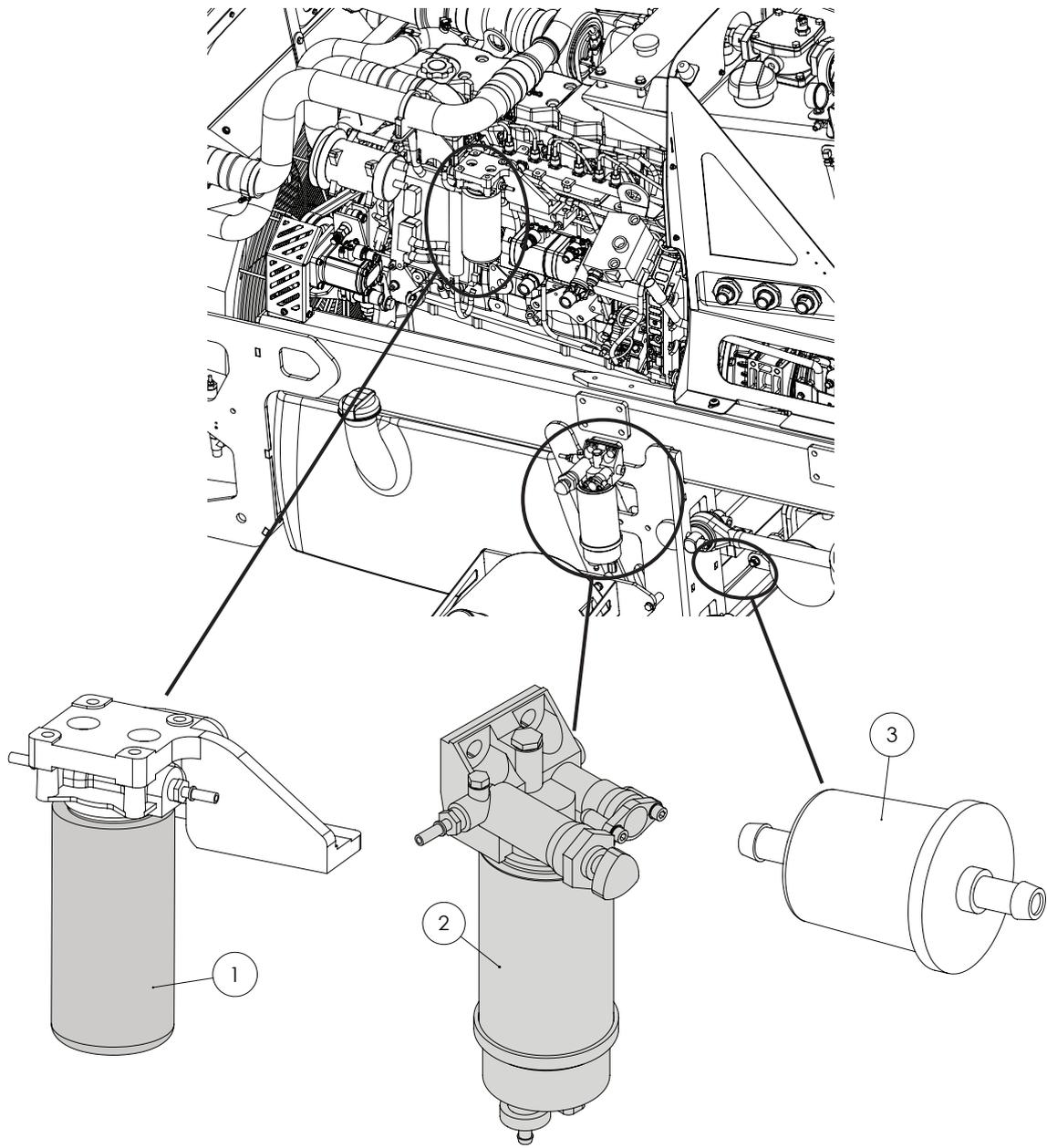
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4660745	Radiator Infill Baffle and Intake	1
2	GA4502586	Seal, Rubber, Radiator infill panel	1
3	GA4502765	Bracket Upper Support Radiator Infill Panel	1
4	GA4502626	Plate, Infill Panel Clamp	1
5	GA5004065	Bolt M6 x 20 GR8.8 ZP	9
6	GA5004077	Bolt M6 x 30 GR8.8 ZP	2
7	GA5048115	Nut M6 Nyloc ZP	11
8	GA5004437	Washer 6mm Flat SS	22

# Fuel Tank



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069065	Tank, Diesel, 300L, Bare	1
2	GA5070420	Fuel sender assembly, Suction & return tubes, adjustable float arm	1
3	GA5069066	Fuel tank cap	2
4	GA4502550	Fuel Sender Mounting Plate SS	1
5	GA4502570	Fuel Sender Mount Retaining Plate	1
6	GA4502635	Fuel Sender Gasket Cork	1
7	GA5020525	Screw M4 x 20 Phillips Head SS	6
8	GA5069120	Tank Strap, Outer come with Rubber Fuel Tank	2
9	GA5069125	Tank Strap, Centre, comes with Rubber Fuel Tank	1
10	GA5000577	Washer 12mm Flat SS HD	9
11	GA5012461	Nut M12 Nyloc ZP	6
12	GA5000271	Bolt M12 x 140 ZP GR8.8	2
13	GA5000265	Bolt M12 x 120 ZP GR8.8	1
14	GA5004437	Washer 6mm Flat SS	6
15	GA5070504	Set Screw M6 x 35 ZP GR8.8	6
16	GA5048560	Plug male 1/2" BSPT Magnetic	1

# Fuel Filters

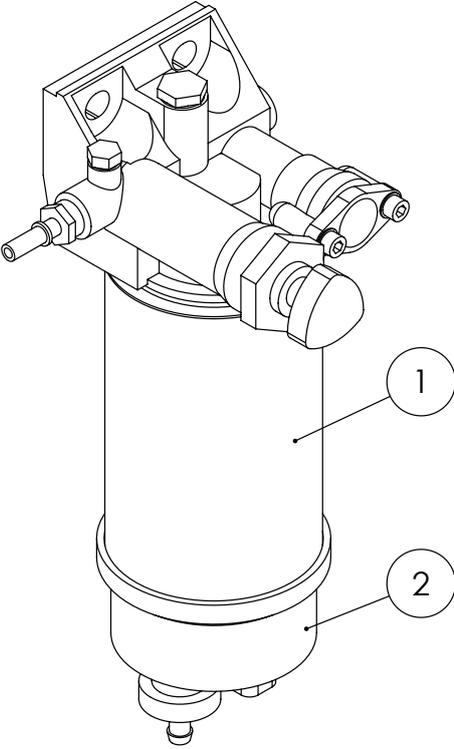


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5051765	Fuel Filter, Spin on, suit QSB Engine	1
2	GA5071020*	Fuel Filter Assembly, Primary, Includes Pump Head, Filter Element and Glass Bowl	1
3	GA5069895	Fuel filter, Inline, 3/8" male hose barbs	1

\* Sub-assembly on following pages

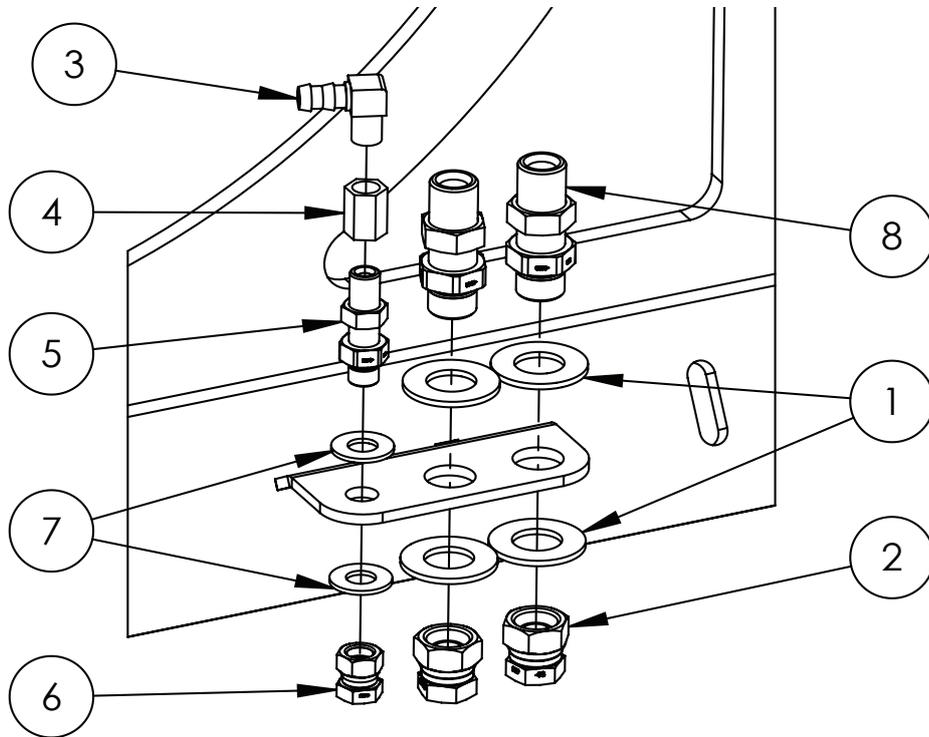
# Fuel Filter - Primary Assembly

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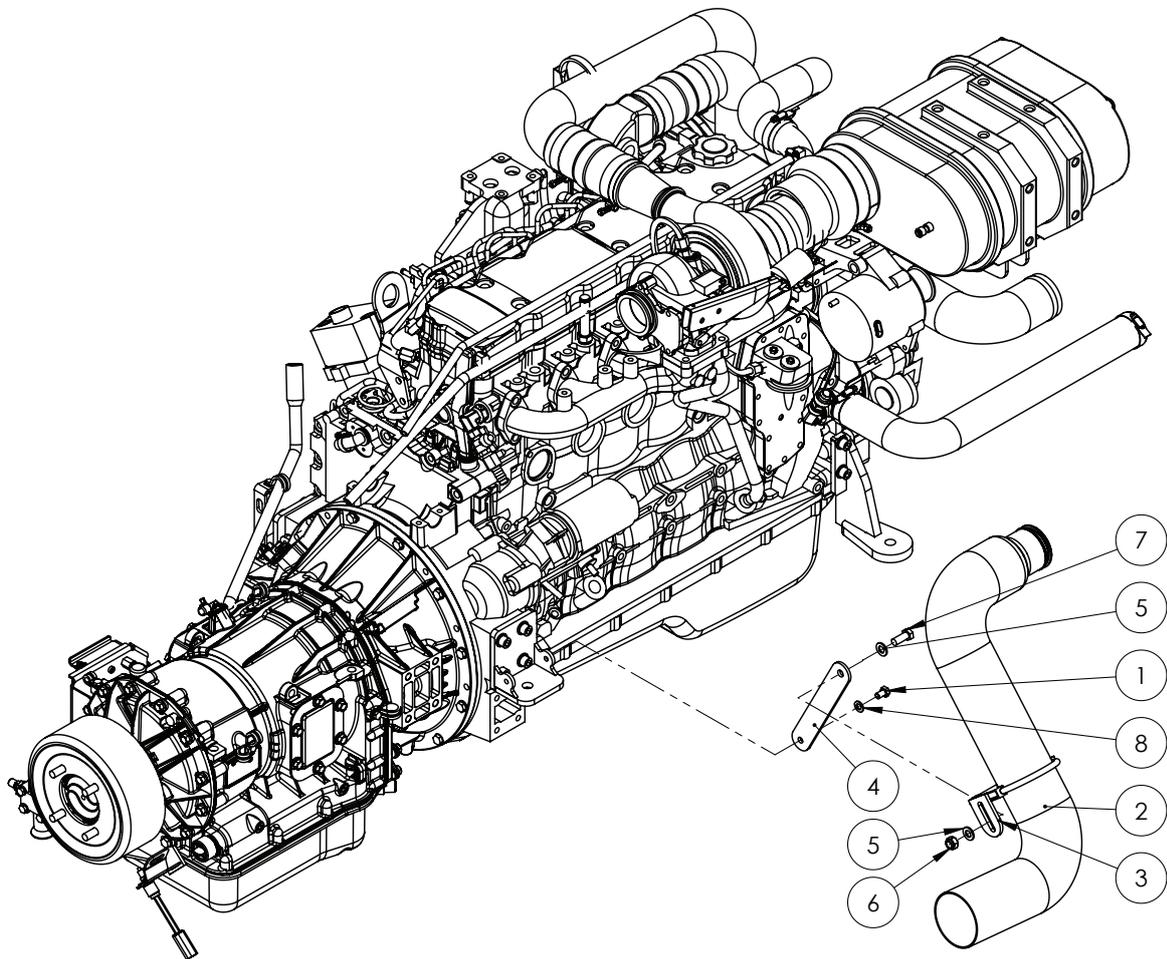
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5051760	Filter cartridge, Suit primary fuel filter on self propelled with QSB	1
2	GA5070560	Fuel Filter Bowl Clear Glass Suit Primary, with sensor	1
-	GA5066275	Sensor, Water in Fuel, Suit Primary Fuel Filter With Glass Bowl, Deutsch, 3911940S	1

## Fluid Drain Point



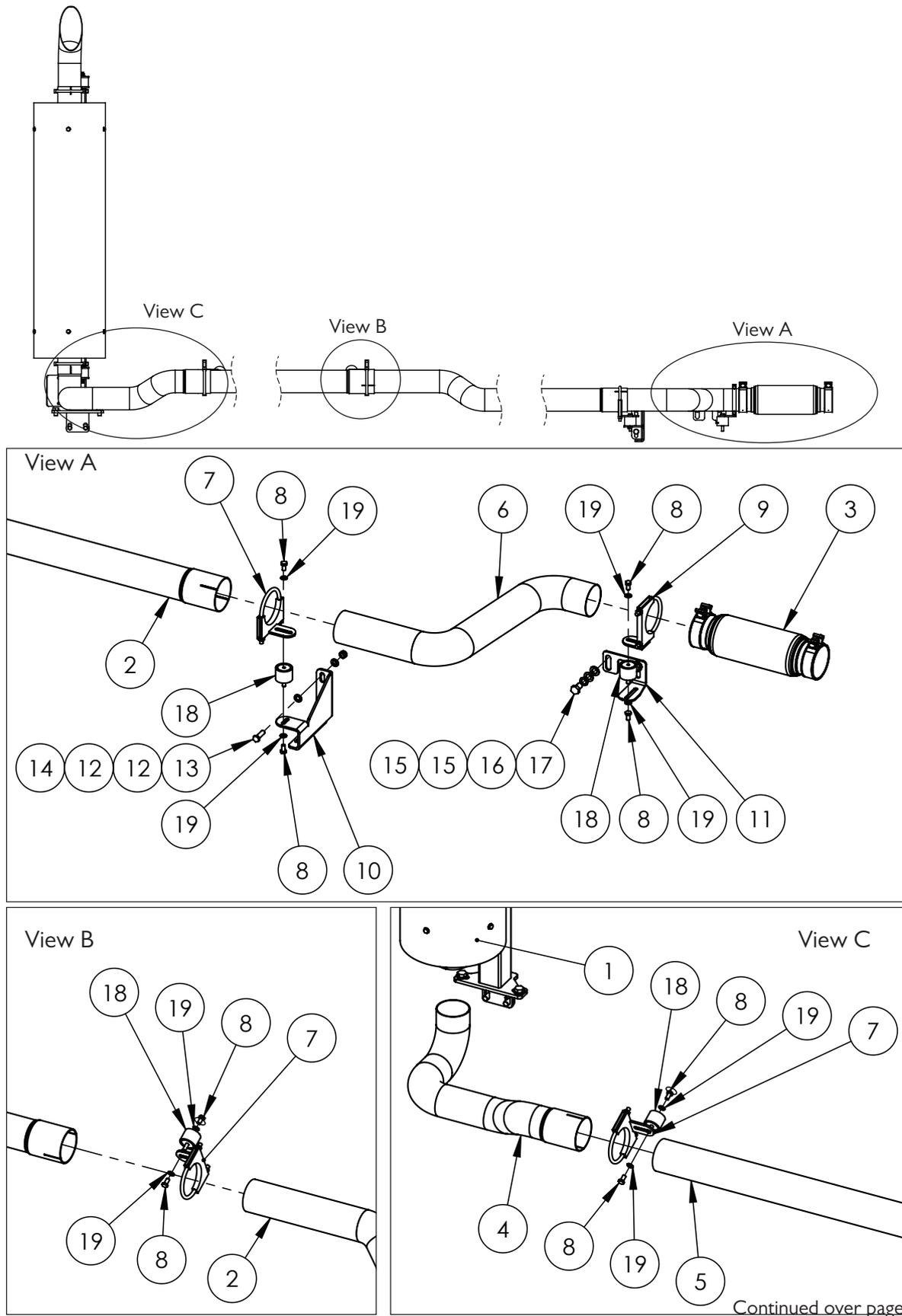
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5001045	Washer, 3/4", Flat ZP	4
2	GA3500278	Cap, Swivel, 1/2" BSPP female	2
3	GA5049290	Elbow 1/4" male thread x 3/8" barb brass	1
4	GA5066940	Socket, 1/4" female thread, Hex, Brass	1
5	GA3500249	Hydraulic adaptor, Bulkhead nipple, 1/4" BSPP male x 1/4" BSPP male	1
6	GA3500277	Cap, Swivel, 1/4" BSPP female	1
7	GA5017673	Washer 1/2" High Tensile	2
8	GAS99-603	Hydraulic adaptor, Bulkhead nipple, 1/2" BSP male x 1/2" BSP male	2

## Exhaust - Turbo Pipe



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5053700	Exhaust heat wrap fibreglass Black, Sold per roll	1
-	GA5055470	Tie Cable SS 520mm SS316	-
1	GA5006143	Bolt M10 x 16 GR8.8 ZP	1
2	GA5062502	Exhaust Pipe, Turbo to Bellow	1
3	GA4658836	Exhaust clamp bracket 'S' bend pipe	1
4	GA4402135	Plate, Exhaust Support Bracket	1
5	GA5000577	Washer 12mm Flat SS HD	2
6	GA5012461	Nut M12 Nyloc ZP	1
7	GA5000305	Set Screw M12 x 30 GR8.8 ZP	1
8	GA5000117	Washer 10mm Flat SS HD	1

# Exhaust

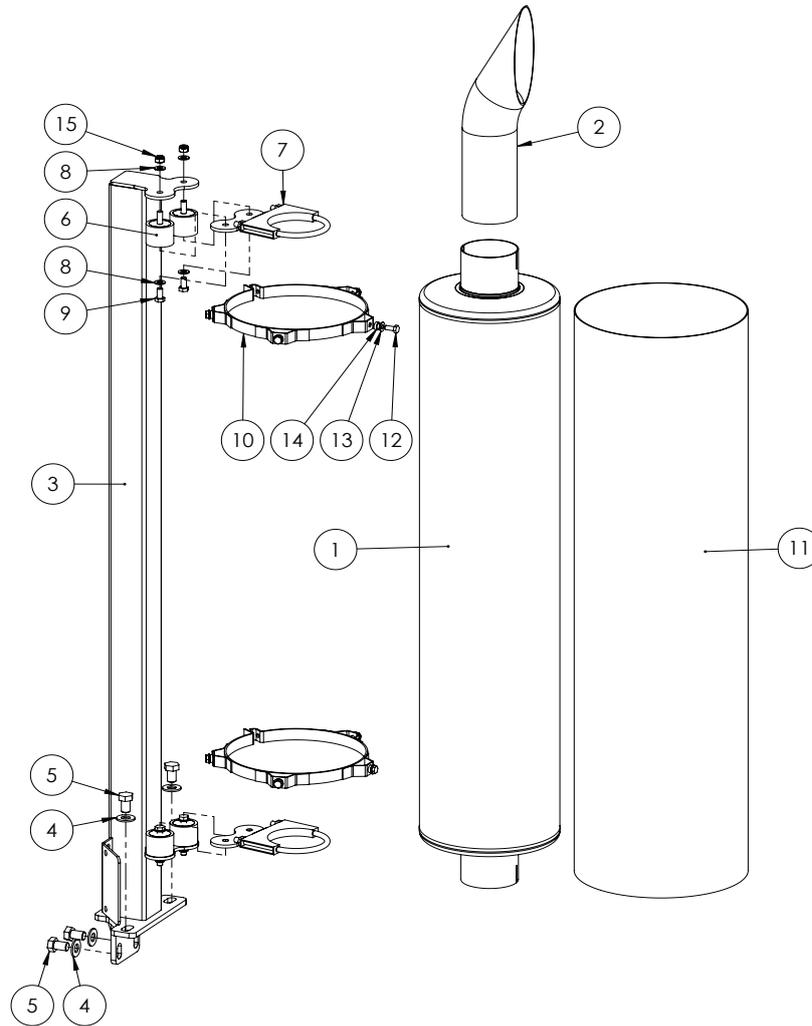


## Exhaust

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4505080	Plate Spacer Exhaust Mount Bracket (not shown)	1
1	*	Exhaust stack, 6000L	1
2	GA5070995	Exhaust Pipe Section C, Suit 6000L	1
3	GA5068741	Exhaust Bellow, 4" ID, 16.6" long, Heavy duty, braided, with clamps	1
4	GA5070985	Exhaust Pipe Section A, Suit 6000L	1
5	GA5070990	Exhaust Pipe Section B, Suit 6000L	1
6	GA5068955	Exhaust Pipe S Shape, suit RH Access Platform	1
7	GA4658835	Exhaust clamp / buffer bracket Single	3
8	GA5006113	Bolt M10 x 20 ZP GR8.8	8
9	GA4658836	Exhaust clamp bracket 'S' bend pipe	1
10	GA4503855	Mounting bracket, Exhaust to air bag bracket	1
11	GA4504420	Mounting bracket, Exhaust to chassis	1
12	GA5000577	Washer 12mm Flat SS HD	4
13	GA5000319	Set Screw M12 x 40 ZP GR8.8	2
14	GA5012461	Nut M12 Nyloc ZP	2
15	GA5001043	Washer 16mm Flat SS HD	4
16	GA5000961	Washer 16mm Spring ZP	2
17	GA5000903	Bolt M16 x 25 ZP GR8.8	2
18	GA5014609	Rubber buffer	4
19	GA5000117	Washer 10mm Flat SS HD	8

\* Sub-assembly on following pages

# Exhaust Stack

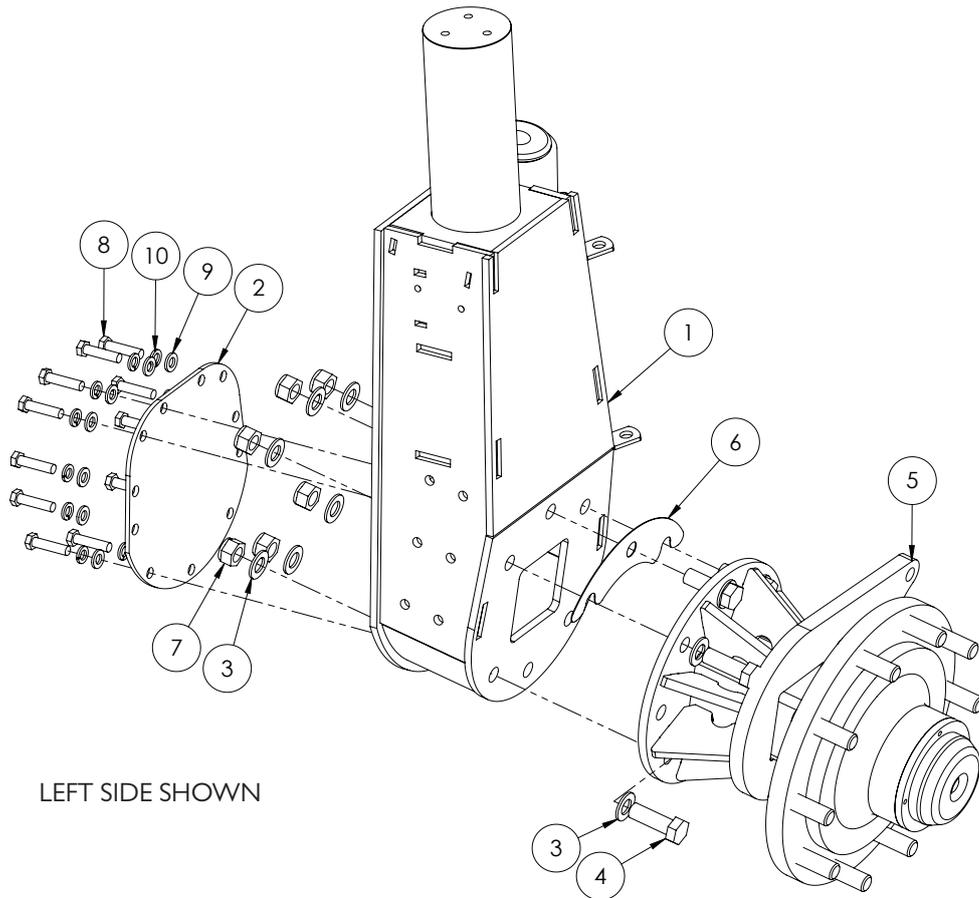


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065135	Exhaust Stack - 4"	1
2	GA2700010	Exhaust Pipe, Chrome Deflector Tip, 4", 600mm	1
3	GA4659785	Exhaust Stack Stand Rear Mounted	1
4	GA5001043	Washer 16mm Flat SS HD	4
5	GA5000903	Bolt M16 x 25 GR8.8 ZP	4
6	GA5014609	Rubber Buffer, 50mm Dia x 40mm Long, M10 x 25 Male x M10 Fem.	4
7	GA4658830	Exhaust clamp / buffer bracket Double	2
8	GA5000117	Washer 10mm Flat SS HD	8
9	GA5006113	Bolt M10 x 20 GR8.8 ZP	4
10	GA5071980	Mount Bracket Kit, Exhaust Muffler Heat Shield (includes 2x brackets)	1
11	GA4505985	Heat Shield Exhaust 360 degree	1
12	GA5048485	Set Screw 5/16" BSW x 3/4" SS A2-70	8
13	GA5003631	Washer 5/16" Flat SS	8
14	GA4552080	Crush tube, 10.2 ID x 15 OD x 5 mm long	8
15	GA5000141	Nut M10 Nyloc ZP	4

# Chapter 21

## DRIVE LINE, TRANSFER CASE & DIFFERENTIAL

### Front Axle - 2WD - Drop Leg

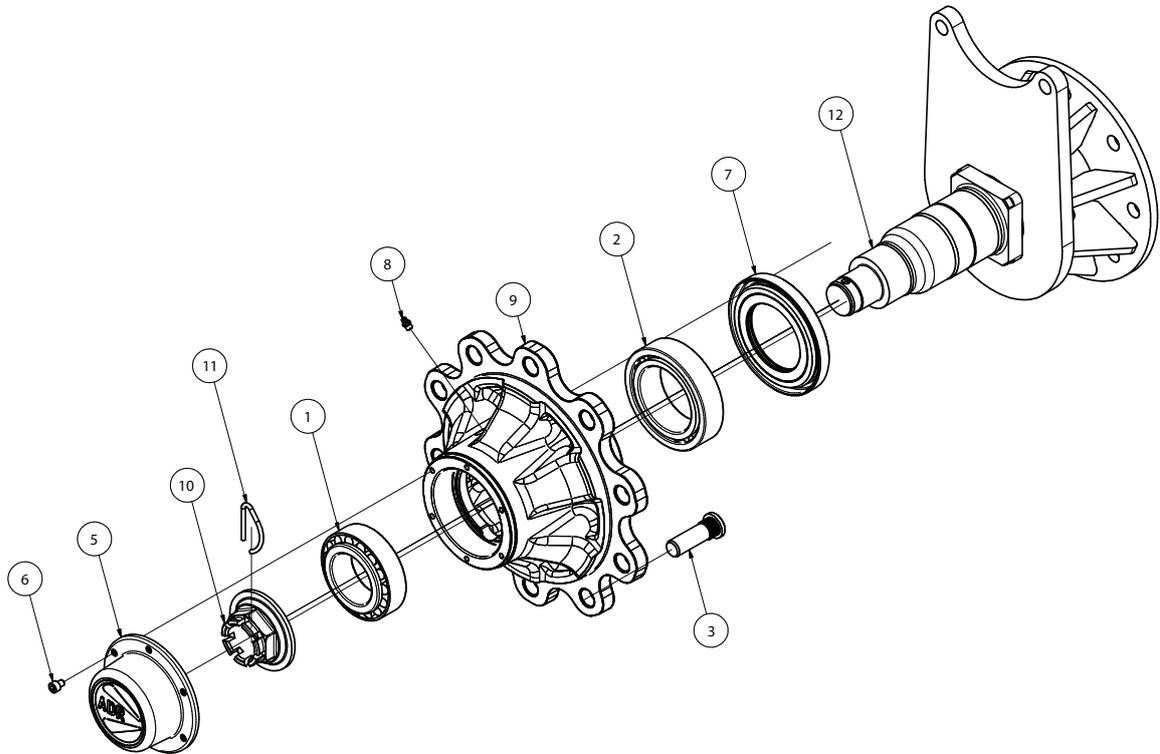


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4652541	Drop leg, fabricated, Front 2WD Left Hand	1
	GA4652546	Drop leg, fabricated, Front 2WD Right Hand	1
2	2AFA013LAS	Access plate	1
3	GA5001741	Washer 20mm Flat SS HD	12
4	GA5069220	Bolt M20 x 1.5 pitch x 60 long, Gr8.8 ZP	6
5	GA4652800*	Hub, Front Axle, 2WD	1
6	GA4507085	Shim, 2mm Stainless	1
7	GA5001513	Nut M20 x 1.5 Pitch Nyloc ZP	6
8	GA5000305	Set Screw M12 x 30 GR8.8 ZP	11
9	GA5000577	Washer 12mm Flat SS HD	11
10	GA5000575	Washer 12mm Spring SS	11

\* Sub-assembly on following pages

# Quantities shown are per side.

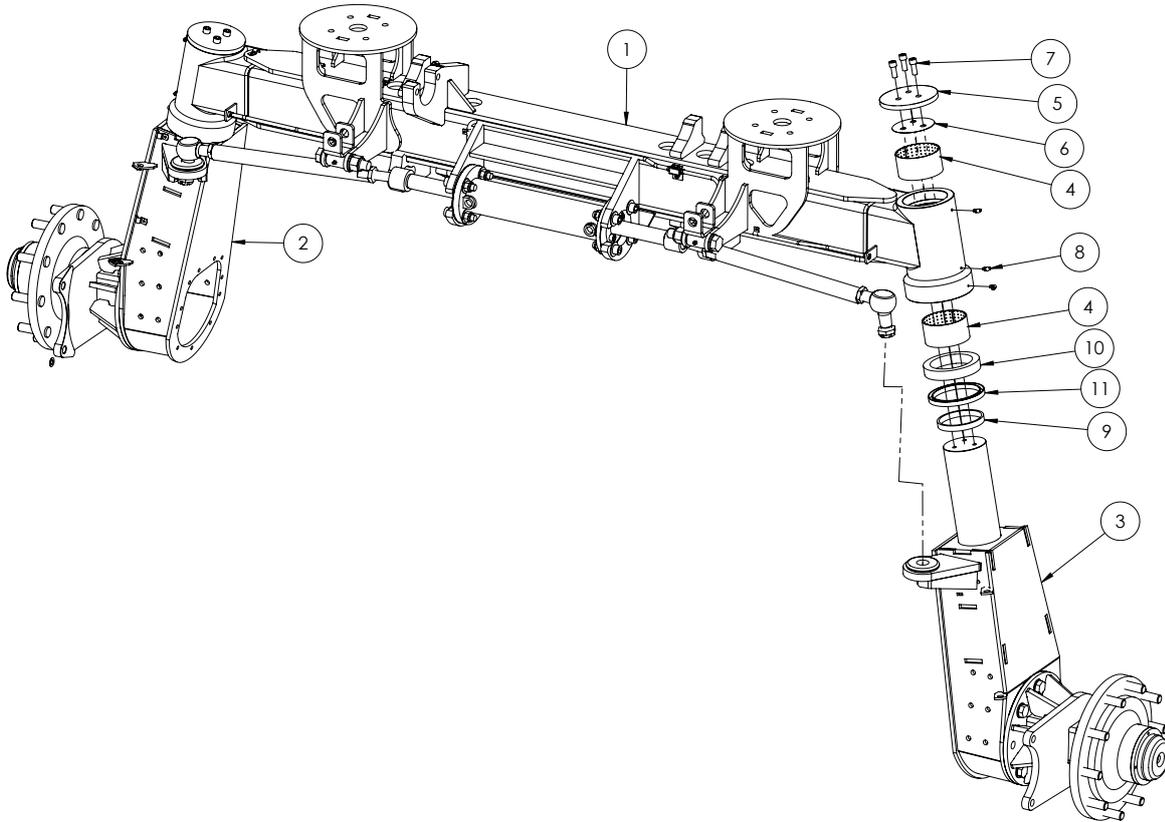
## Front Axle - 2WD - Hub



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
-	GA4652800	Hub, Front Axle, 2WD, Self Propelled	-
1	GA5024080	Bearing, 33114, 70 x 120 x 37, 100 Series, ADR	1
2	GA5024081	Bearing, 33018, 90 x 140 x 39, 100 Series, ADR	1
3	GA5052205	Stud Wheel Kit, M22 x 1.5, 90, 100, 110 Series, ADR (set of 10)	10
4	GA5018892	Wheel nut (not shown)	10
5	GA5024083	Cap, with gasket, 100 Series, ADR	1
6	GA5024084	SHCS M8 x 1.25P, 100 Series, ADR	6
7	GA5024085	Seal, Oil, steel housing, 100 Series, ADR	1
8	GA5024086	Grease Nipple, M8 Straight, 100 Series, ADR	1
9	GA5024087	Wheel Hub, 10 stud, 335.mm PCD, 100 Series, ADR	1
10	GA5024088	Crown Nut, 100 Series, ADR	1
11	GA5024089	Spring Pin, 100 Series, ADR	1
12	GA5024090	Stub Axle Body, Mount flange, 100 series, ADR	1

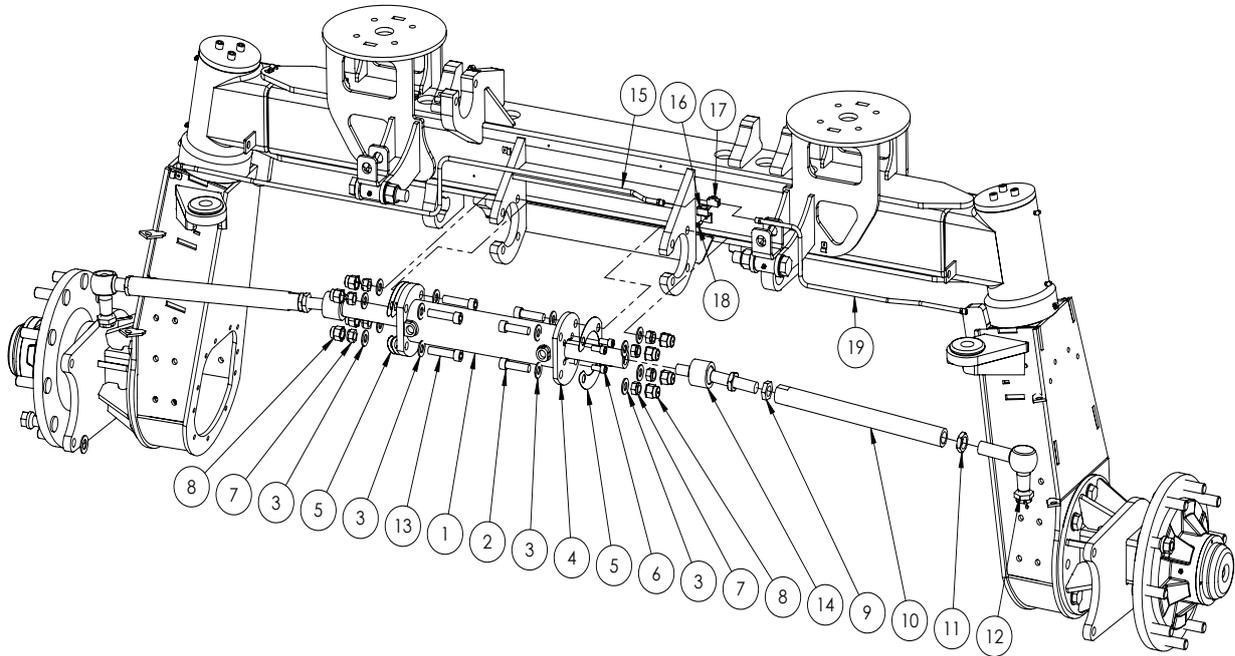
# Front Axle - 2WD 3m - King Pin Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4660785	Axle Housing, Front 3m, 2WD	1
2	*	Drop leg, Front assembly, 2WD 2WS LHS	1
3	*	Drop leg, Front assembly, 2WD 2WS RHS	1
4	GA5009454	Glacier bush, M liner with dimples, 110 ID x 60mm long	4
5	2M-FA011LAS	King pin retaining cap, bolt on	2
6	F70544A	Shim, 0.5mm thick	2
7	GA5000307	SHCS M12 x 30 ZP GR12.9	6
8	GA5009637	Grease nipple, Elbow, 90 degree, 1/4" UNF male	6
9	2MFA004-IGR	Thrust ring	2
10	GA5048245	Bearing, Ball thrust bearing, 110 ID x 145 OD x 25mm thick	2
11	GA5048635	Oil seal, 120 ID x 145 OD x 12mm thick	2

\* Sub-assembly on following pages

# Front Axle - 2WD 3m - Steering Cylinder



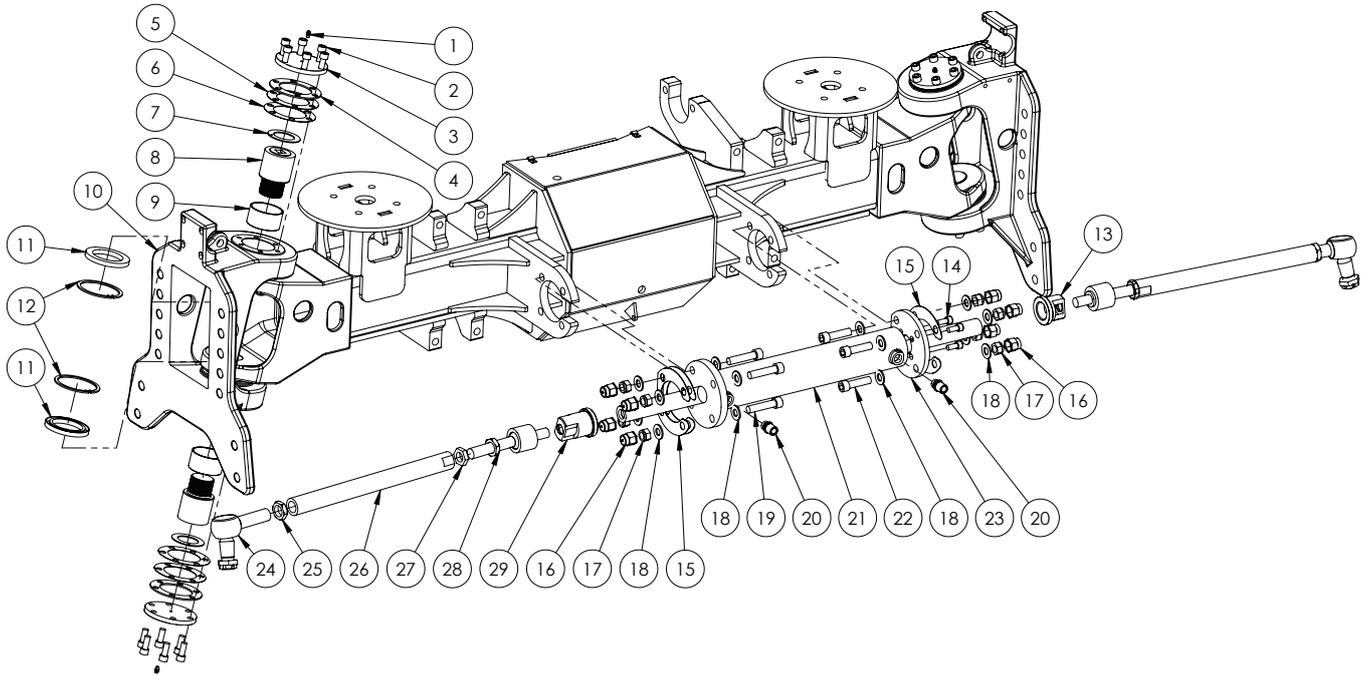
## STEERING SERVICE PART

PART NUMBER	DESCRIPTION
GA5050215	Seal kit, to suit 3" steering cylinder GA5066585, GA5066586, Hypower

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5066586	Hydraulic Cylinder, Bore 3", Rod 1.5", Stroke 7.5", Steering	1
2	GA5048680	SHCS M16 x 60 GR12.9 ZP	4
3	GA5001043	Washer 16mm Flat SS HD	16
4	GA4514635	Flange plate for steering ram	1
5	GA4514640	Steering ram shim plate	3
6	GA5070250	SHCS 7/16 UNF x 1 GR12.9 ZP	4
7	GA5001029	Nut M16 Nyloc ZP	8
8	GA5054685	End cap, Plastic, Black, Cover, Hex. Hose End, M16	8
9	GA5011341	Nut M24 x 1.5P Lock ZP	2
10	GA4583135	Tie Rod 3m MY11 (450mm Long)	2
11	GA4572170	Lock nut, M28 x 1.5, Suit tie rod end	2
12	GA5065041	Ball joint, Right angle, M28 x 1.5 thread	2
13	GA5011305	SHCS M16 x 70 GR12.9 ZP	4
14	GA5065045	Ball joint, Inline, M24 x 1.5 pitch x M22 x 1.5 pitch	2
15	GA4912497	Brake line, Front axle, Left side, 2wd 3m, Crop Cruiser MY15	1
16	HYD002LAS	Clamp bracket, Hydraulic fitting	1
17	GA5008793	Tee, Flare, 7/16" 24 TPI female thread, Suit 1/4" tube	1
18	GA5004049	SHCS M6 x 16 GR12.9 ZP	1
19	GA4912498	Brake line, Front axle, Right side, 2wd 3m, Crop Cruiser MY15	1

# Front Axle - 4WD 3m - Steering & King Pins

SERIAL #202105 TO #202213



## STEERING SERVICE PART

PART NUMBER	DESCRIPTION
GA5050215	Seal kit, suit 3" steering cylinder

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5012203	Grease Nipple 1/4" UNF Short	4
2	GA5000307	SHCS M12 x 30 GR12.9 ZP	24
3	DL24	Steering assembly top cap (10mm FMS)	4
4	STEERSHIM-MK2-3MM	Steer shim, 3 mm	4
5	STEERSHIM-MK2-1MM	Steer shim, 1 mm	4
6	STEERSHIM-MK2-0.5MM	Steer shim, 0.5 mm	4
7	GA5009489	Washer, Glacier, 48 ID x 74 mm OD	4
8	MACH0039	King pin, suit 4WD axle	4
9	GA5009481	Glacier bush, 70 ID x 75 OD x 40 mm long	4
10	GA4550300	Kingpin Housing, Cast Outer, 4WD Front	2
11	GA5018907	Seal, 70 ID x 100 OD x 10 mm	4
12	GA5070210	Circlip, 100mm Metric, Internal	4
13	GA4583275	Steering stop, Short	1
14	GA5070250	SHCS 7/16" UNF x 1" GR12.9 ZP	4
15	GA4514640	Steering ram shim plate	3
16	GA5054685	End cap, Plastic, Black, Cover, Hex. Hose End, M16	8

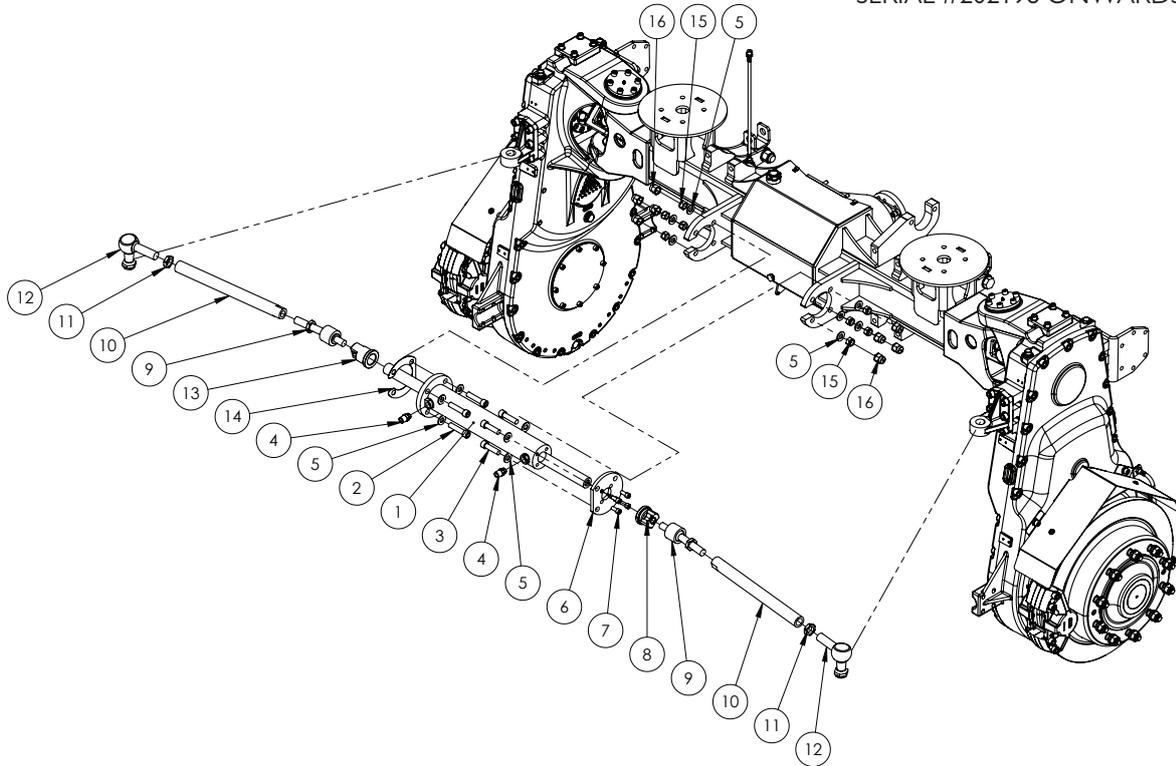
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## Front Axle - 4WD 3m - Steering & King Pins

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
17	GA5001029	Nut M16 Nyloc ZP	8
18	GA5001043	Washer 16mm Flat SS HD	16
19	GA5011305	SHCS M16 x 70 GR12.9 ZP	4
20	GA3500363	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/4" UN male O-ring	2
21	GA5066587	Hydraulic Cylinder, Bore 3", Rod 1.5", Stroke 331.6mm, Steering	1
22	GA5048680	SHCS M16 x 60 GR12.9 ZP	4
23	GA4514635	Flange plate for Steering ram	1
24	GA5065041	Ball joint, Right angle, M27 x 1.5 thread	2
25	GA4572170	Lock nut, M28 x 1.5, Suit tie rod end	2
26	GA4583135	Tie Rod 3m MY11 (450mm Long)	2
27	GA5011341	Nut M24 x 1.5P Lock ZP	2
28	GA5065045	Ball joint, Inline, M24 x 1.5 pitch x M22 x 1.5 pitch	2
29	GA4583280	Steering Stop, Long	1

# Front Axle - 4WD 3m - Steering Cylinder

SERIAL #202198 ONWARDS



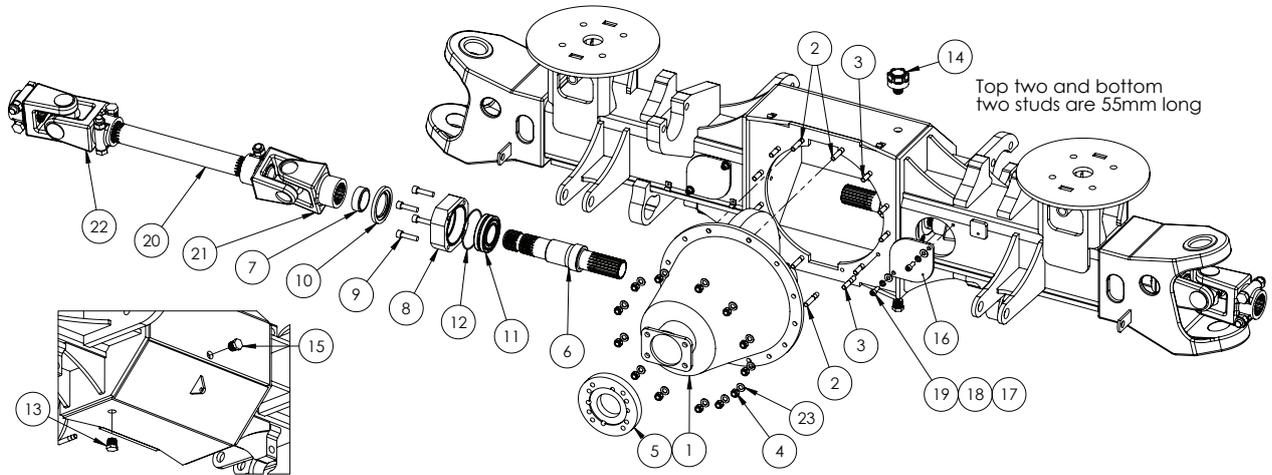
## STEERING SERVICE PART

PART NUMBER	DESCRIPTION
GA5050215	Seal kit, suit 3" steering cylinder

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5066587	Hydraulic Cylinder, Bore 3", Rod 1.5", Stroke 331.6mm, Steering	1
2	GA5011305	SHCS M16 x 70 GR12.9 ZP	4
3	GA5048680	SHCS M16 x 60 GR12.9 ZP	4
4	GA3500363	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/4" UNO male O-ring	2
5	GA5001043	Washer 16mm Flat SS HD	16
6	GA4514635	Flange plate for steering ram	1
7	GA5070250	SHCS 7/16" UNF x 1" GR12.9 ZP	4
8	GA4583275	Steering stop, Short	1
13	GA5065045	Ball joint, Inline, M24 x 1.5 pitch x M22 x 1.5 pitch	2
10	GA4583135	Tie Rod 3m (450mm Long)	2
11	GA4572170	Lock nut, M28 x 1.5, Suit tie rod end	2
12	GA5065041	Ball joint, Right angle, M27 x 1.5 thread	2
13	GA4583280	Steering Stop, Long	1
14	GA4514640	Steering ram shim plate - Quantity required may vary	1
15	GA5001029	Nut M16 Nyloc ZP	8
16	GA5054685	M16 Nut Cover	8

# Front Axle - 4WD 3m - Drive Shafts

SERIAL #202105 TO #202213

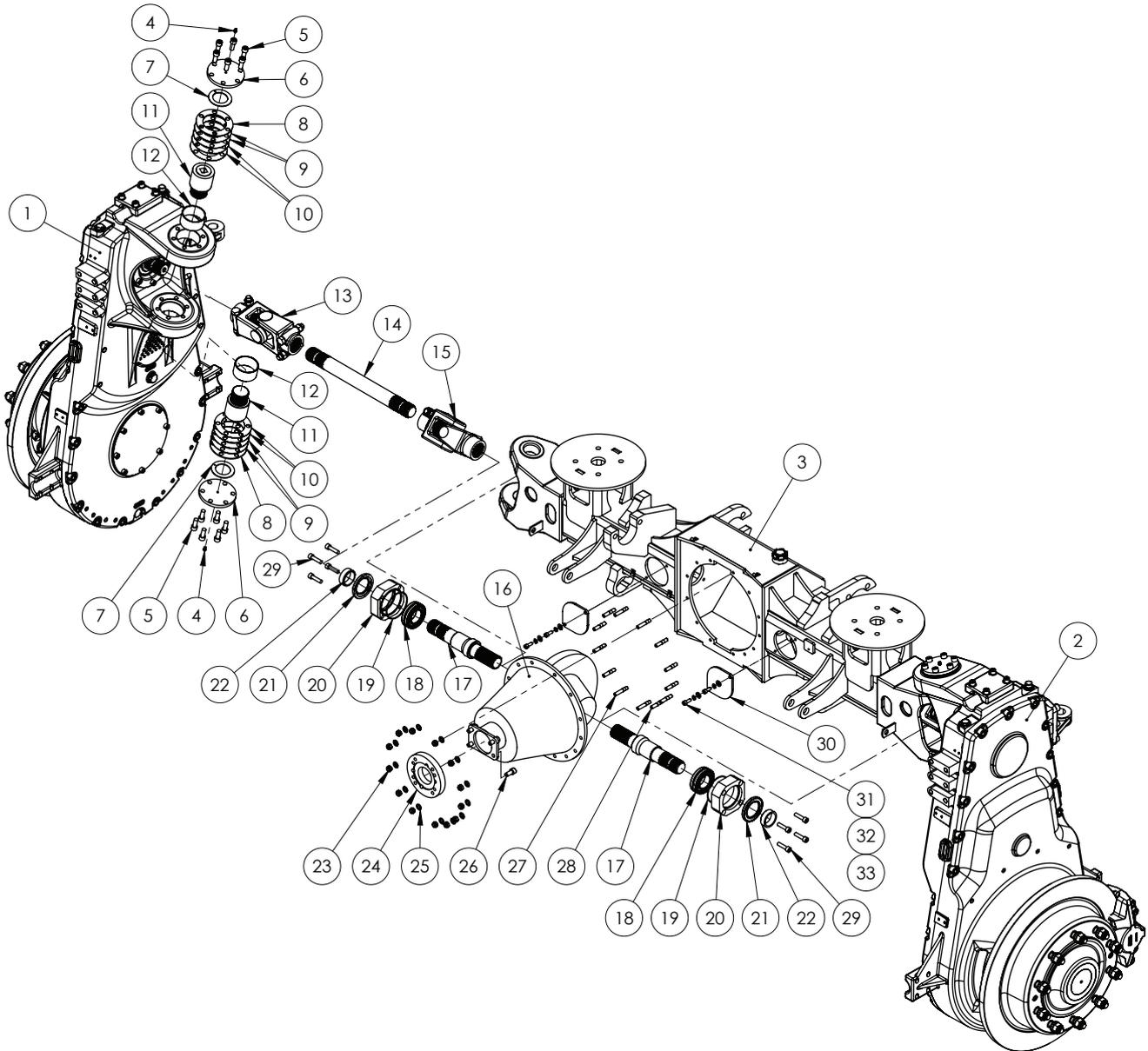


## 4WD FRONT AXLE SERVICE PARTS

PART NUMBER	DESCRIPTION		
GA5051595	Uni Cross, suit 2600 series		
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5010609	Diff centre Isuzu 5.125:1 ratio 41/8 tooth count	1
2	GA5011177	Stud, M10 x 55 long Gr8.8	4
3	GA0500024	Stud, M10 x 50 long Gr8.8	9
4	GA5000141	Nut M10 Nyloc ZP	13
5	1480-ISUZU	Adapter, 1480 drive shaft yoke to Isuzu diff	1
6	GA5015157	Shaft, Diff output, With spacer, 294.10 long, Spline each end	2
7	DL30	Spacer ring, Self propelled drop leg and diff output	2
8	MACH0027	Bearing housing, 85mm, Bolt on, suit Diff output shaft on fabricated housing	2
9	GA5006141	SHCS M10 x 40 ZP GR12.9	8
10	GA5048455	Oil Seal, 55 ID x 85 OD x 8mm thick	2
11	GA5007959	Bearing, Double Row Barrel Roller, Diff output shaft	2
12	GA5010501	O-ring, 89 x 2.5mm, Diff Output Shaft	2
13	GA5048560	Plug male 1/2" BSPT Magnetic	1
14	GA5066770	Air breather screw in style 1/2"	1
15	GA5050670	Plug male brass 1/2" BSPT	1
16	GA4536100	Axle cover plate, drive shaft bolts, 4WS 4WD	2
17	GA5003643	Washer 8mm Flat SS HD	4
18	GA5004919	Washer 8mm Spring SS	4
19	GA5004707	SHCS M8 x 20 ZP GR12.9	4
20	GA5010576	Inter drive axle suit 4400 2WS	2
21	GA5010651	Joint Assembly 2500 series	2
22	GA5010653	Joint Assembly 2600 series	2
23	GA5000117	Washer 10mm Flat SS HD	13

# Front Axle - 4WD 3m - Drive & King Pins

SERIAL #202198 ONWARDS



## 4WD FRONT AXLE SERVICE PARTS

PART NUMBER	DESCRIPTION
GA5051595	Uni Cross, suit 2600 series

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA2700085	Dropleg Assembly with Cast Housing, LH, Front, 4WD Axle	1
2	GA2700086	Dropleg Assembly with Cast Housing, RH, Front, 4WD Axle	1
3	GA4660735	Axle Housing, 4WD Front	1
4	GA5012203	Grease nipple, Short, 1/4" UNF	4
5	GA5000307	SHCS M12 x 30 GR12.9 ZP	24
6	DL24	Steering assembly top cap (10mm FMS)	4

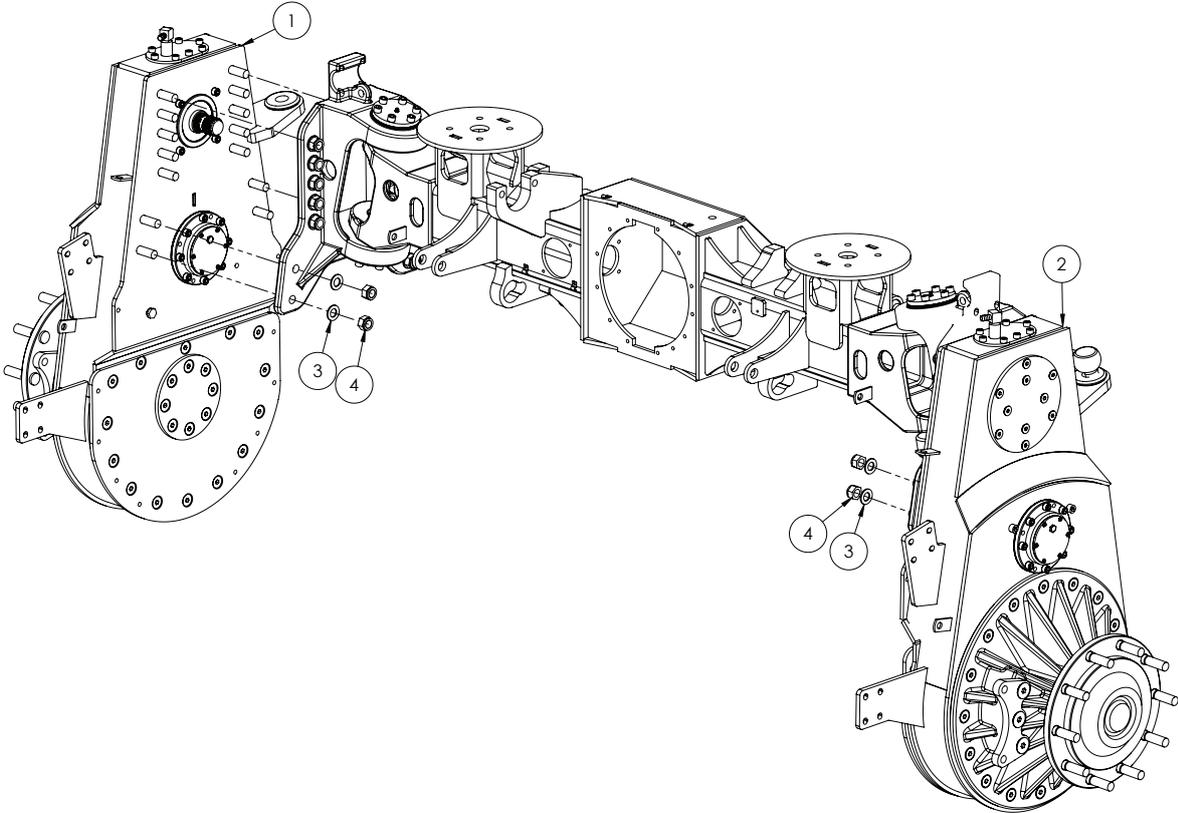
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## Front Axle - 4WD 3m - Drive & King Pins

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
7	GA5009489	Washer, Glacier, 48 ID x 74 mm OD	4
8	STEERSHIM-MK2-3MM	Steer shim, 3 mm	4
9	STEERSHIM-MK2-1MM	Steer shim, 1 mm	8
10	STEERSHIM-MK2-0.5MM	Steer shim, 0.5 mm	8
11	MACH0039	King pin, suit 4WD axle	4
12	GA5009481	Glacier bush, 70 ID x 75 OD x 40 mm long	4
13	GA5010653	Joint Assembly 2600 series	2
14	GA5010576	Inter drive axle suit 4400 2WS SP 201 I, 456mm, (Joint Assembly's not included)	2
15	GA5010651	Joint Assembly 2500 series	2
16	GA5010609	Diff centre Isuzu 5.125:1 ratio 41/8 tooth count	1
17	GA5015157	Shaft, Diff output, With spacer, 294.10 long, Spline each end	2
18	GA5007959	Bearing, Double Row Barrel Roller, Diff output shaft	2
19	GA5010501	O ring, 89 x 2.5mm, Diff Output Shaft	2
20	MACH0027	Bearing housing, 85mm, Bolt on, suit Diff output shaft on fabricated housing	2
21	GA5048455	Oil Seal, 55 ID x 85 OD x 8 mm thick	2
22	DL30	Spacer ring, Self propelled drop leg and diff output	2
23	GA5000141	Nut M10 Nyloc ZP	13
24	1480-ISUZU	Adapter, 1480 drive shaft yoke to Isuzu diff	1
25	GA5000117	Washer 10mm Flat SS HD	13
26	GA5000297	SHCS M12 x 25 GR12.9 ZP	4
27	GA5011177	Stud, M10 x 55 long	4
28	GA0500024	Stud, M10 x 50 long	9
29	GA5006141	SHCS M10 x 40 GR12.9 ZP	8
30	GA4536100	Axle cover plate, drive shaft bolts, 4WS 4WD	2
31	GA5004703	SHCS M8 x 20 GR12.9 ZP	4
32	GA5004919	Washer 8mm Spring SS	4
33	GA5003643	Washer 8mm Flat SS HD	4

# Front Axle - 4WD 3m - Drop Leg Mounting

SERIAL #202105 TO #202213

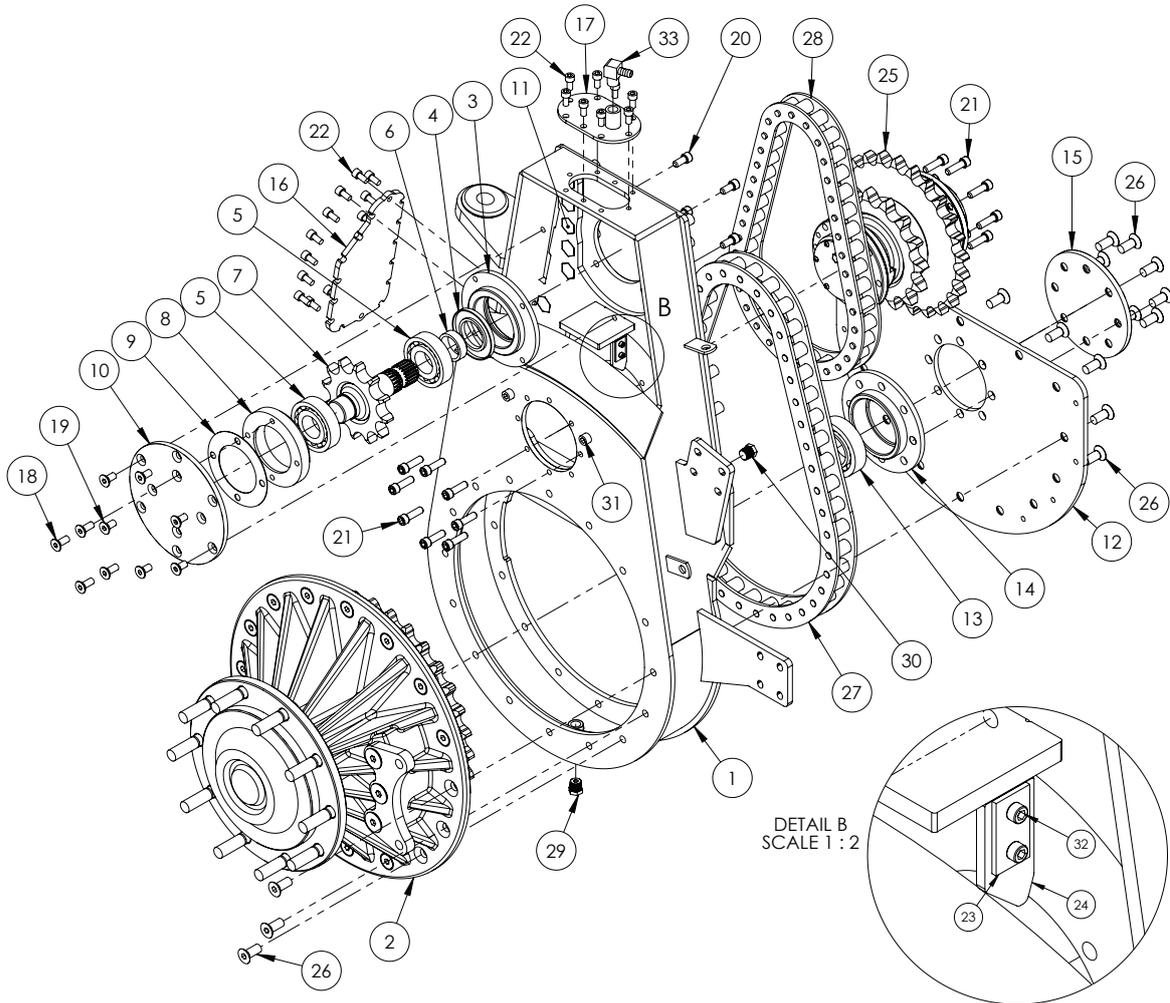


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	*	Drop leg Assembly, Front 4WD LH, G5 G6	1
2	*	Drop leg Assembly, Front 4WD RH, G5 G6	1
3	GA5001741	Washer 20mm Flat SS HD	28
4	GA5001513	Nut M20 x 1.5P Nyloc ZP	28

\* Sub-assembly on following pages

# Front Axle - 4WD - Drop Leg

SERIAL #202105 TO #202213



GA4907655 Complete Assembly Left Side

GA4907660 Complete Assembly Right Side

## CHAIN LINK SPARE PARTS

PART NUMBER	DESCRIPTION
GA5007373	Connecting Link, Chain Joining Link, 120HT, Tsubaki
GA5048350	Connecting Link, Chain Joining Link, 140HT, Tsubaki

# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4661175	Drop leg Housing, Front 4WD LH	1
	GA4661180	Drop leg Housing, Front 4WD RH	1
2	*	Front Axle - 4WD - Lower Drive Hub Assembly	1
3	GA4552060	Bearing holder, Inside, Top idler shaft, Drop leg	1
4	GA5070195	Oil seal, 55 ID x 100 OD x 8mm thick	1
5	GA5048275	Bearing, Spherical roller, Self aligning, 45 ID x 100 OD x 25mm	2
6	DL30	Spacer ring, Self propelled drop leg and diff output	1

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## Front Axle - 4WD - Drop Leg

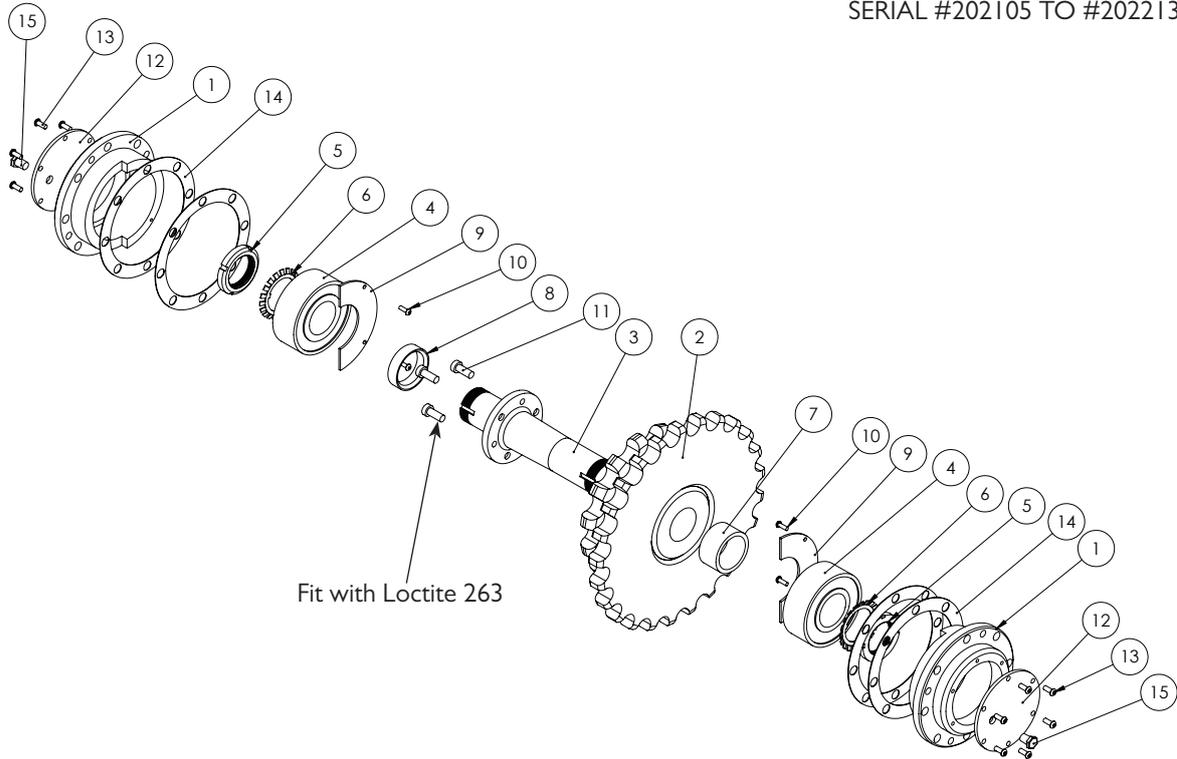
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
7	GA5016795	Shaft, Rear Dropleg Input, 20 Tooth 45mm Spline, 12 Tooth Sprocket, Pre MY14	1
8	GA4552055	Bearing holder, Outside, Top idler shaft, Drop leg	1
9	DL15-shim-01LAS	Shim, 1mm, Drop leg top shaft bearing, External fitment	1
10	DL14	Top, outside bearing mount, OD 240mm (10mm FMS)	1
11	GA5069220	Bolt M20 x 60 Fine 1.5 pitch Gr8.8 ZP	14
12	GA4502006	Cover plate, Lower, Driven drop legs	1
13	GA5015665	Bearing, Double row spherical roller, 60 ID x 110 OD x 28mm	1
14	60BRGHOLD	Bearing Holder Bottom 60mm	1
15	GA4504340	Plate, 60brghold outer	1
16	GA4502000	Plate, drop leg cover, Front 4WD	1
17	GA4656465	Cover Drop leg upper 4400	1
18	GA5051290	CSCS M12 x 30 ZP GR12.9	4
19	GA5000289	CSCS M12 x 25 ZP GR8.8	6
20	GA5000297	SHCS M12 x 25 ZP GR12.9	4
21	GA5000321	SHCS M12 x 40 ZP GR12.9	16
22	GA5011153	SHCS M10 x 20 ZP GR12.9	23
23	GA4503060	Scraper keeper, suit Drop leg	1
24	GA4503065	Scraper, Teflon, suit Drop leg	1
25	*	Front Axle - 4WD - Idler Sprocket & Shaft assembly	1
26	GA5069920	CSCS M16 x 2 x 40 ZP GR12.9	38
27	GA5059995	Chain, Super 140HT, Tsubaki, No joining link, Lower drop leg	1
28	GA5015259	Chain, Super 120HT, Tsubaki, No joining link (17 Link), Front upper drop leg, 4WD	1
29	GA5048560	Plug male 1/2" BSPT Magnetic	1
30	GA5050670	Plug male brass 1/2" BSPT	1
31	GA5049340	SHCS 1/2" UNF x 1" ZP GR12.9	2
32	GA5004055	SHCS M6 x 20 ZP GR12.9	2
33	GA5012753	P6 1/2" x 1/2" Male Elbow	1

\* Sub-assembly on following pages

# Quantities shown are per side.

# Front Axle - 4WD - Idler Sprocket & Shaft

SERIAL #202105 TO #202213



## IDLER SPROCKET SHIMS

PART NUMBER	DESCRIPTION
GA4513120	Shim, idler shaft 06 Drop leg, 1mm, OD 62mm x ID 50.2mm

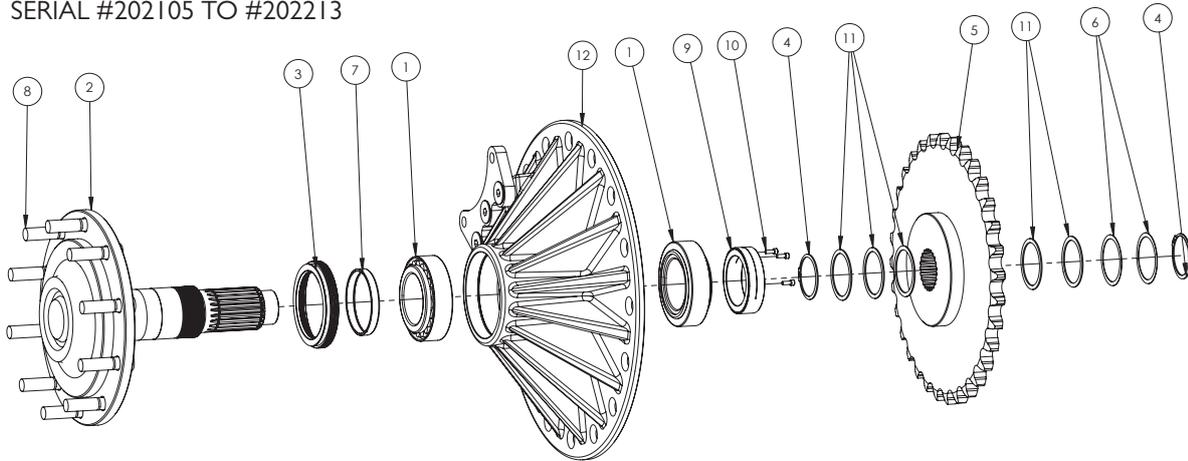
  

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4552015	Housing idler bearing	2
2	GA4652005	Idler sprocket assembly	1
3	GA4552020	Idle shaft, suit Drop leg	1
4	GA5065000	Bearing, Double row spherical roller, 50 ID x 110 OD x 40mm thick	2
5	GA5065005	Locknut M50 x 1.5, KM10	2
6	GA5065010	Tab washer 50mm, MB10	2
7	GA4552011	Spacer, Idler shaft assembly	1
8	GA4552005	Idler Spacer	1
9	F70930A	End Plate Oil Reservoir	2
10	GA5003977	Bolt M5 x 16 Pan Head SS	4
11	GA5006127	SHCS M10 x 25, Low head, Black GR12.9	3
12	F70932A	Cover plate, for idler bearing	2
13	GA5004050	BHCS M6 x 16 SS GR8.8	12
14	GA4502050	Shim, 1mm, Drop Leg Idler Bearing	4
15	GA5069335	Plug, 1/4" BSPT male thread, Brass	2

# Quantities shown are per side.

# Front Axle - 4WD - Lower Drive Hub Assembly

SERIAL #202105 TO #202213



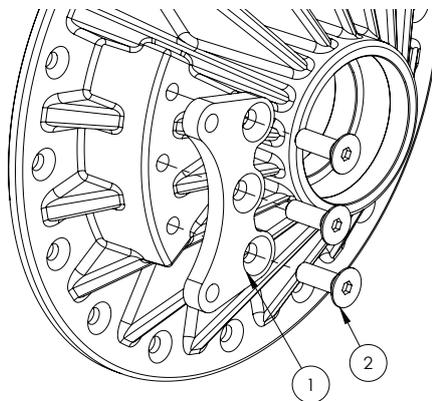
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5068835	Bearing, Taper roller, 90 ID x 150 OD x 45 mm thick	2
2	GA5068830	Stub Axle, Drive, Self Propelled	1
3	GA1700024	Seal, Cassette	1
4	GA5008521	Circlip, External, 75 nominal ID x 2.5 mm thick	2
5	GA4659385	Lower sprocket assembly, One piece	1
6	DL27LAS	Shim washer, 1mm, Suit drop leg bottom sprocket	2
7	GA4550880	Spacer Ring, Inner, ScotSeal, Drop Leg Output Shaft	1
8	MACH0138	Wheel stud, M22 x 1.5 pitch x 90 mm long	10
9	GA4552900	Lock nut M90 x 2mm - Suit SP bottom drive axle GA5068830, includes 3 x SHCS	1
10	GA5004049	SHCS M6 x 16 GR12.9 ZP	3
11	GA4505140	Shim for bottom axle 2mm	5
12	GA4550910*	Lower Hub, Cast, inc Caliper Mount and Bolts, Machined to suit Cassette Seal	1

\* Sub-assembly on following pages

# Quantities shown are per side.

# Front Axle - 4WD - Lower Drive Hub Caliper Mount

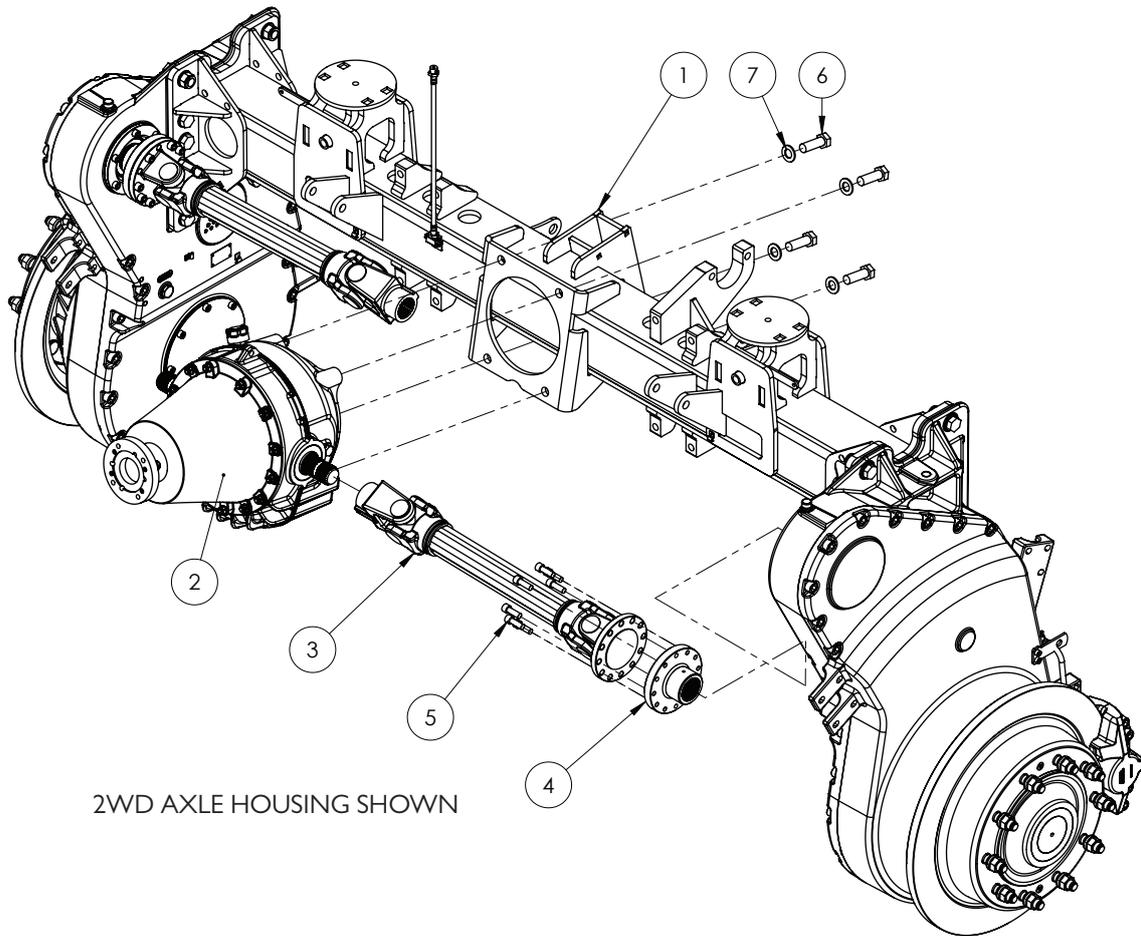
SERIAL #202105 TO #202213



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4505990	Caliper Mounting Plate, Suit Cast Hub	1
2	GA5069115	CSCS M20 x 60 ZP GR12.9	3

## Rear Axle - Cast Differential Assembly



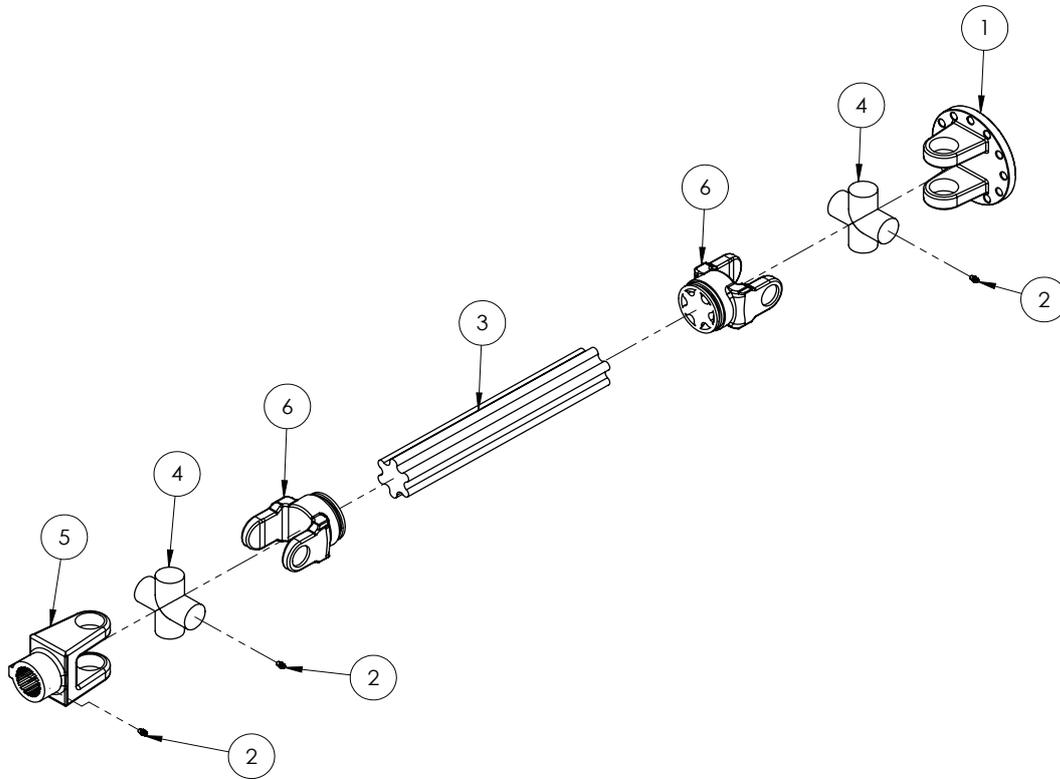
2WD AXLE HOUSING SHOWN

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4600925	Rear Axle Housing, 3m, 2WD, G4.7, G5, G6	1
	GA4600930	Rear Axle Housing, 3m, 4WD, G4.7, G5, G6	1
2	*	Differential Assembly	1
3	GA2700065	Drive Shaft, Diff to Drop Leg, 2600 Series UC included, 789mm Long, Black	1
	GA5051595	Universal Cross, 2600 series, 42mm End Caps	2
4	GA4550150	Drive Flange Rear Dropleg 2600 Series with 55mm Spline	1
5	GA5000313	SHCS M12 x 35 GR12.9 ZP	4
6	GA5069220	Bolt M20 x 1.5P x 60 GR8.8 ZP	4
7	GA5001741	Washer 20mm Flat SS HD	4

\* Sub-assembly on following pages

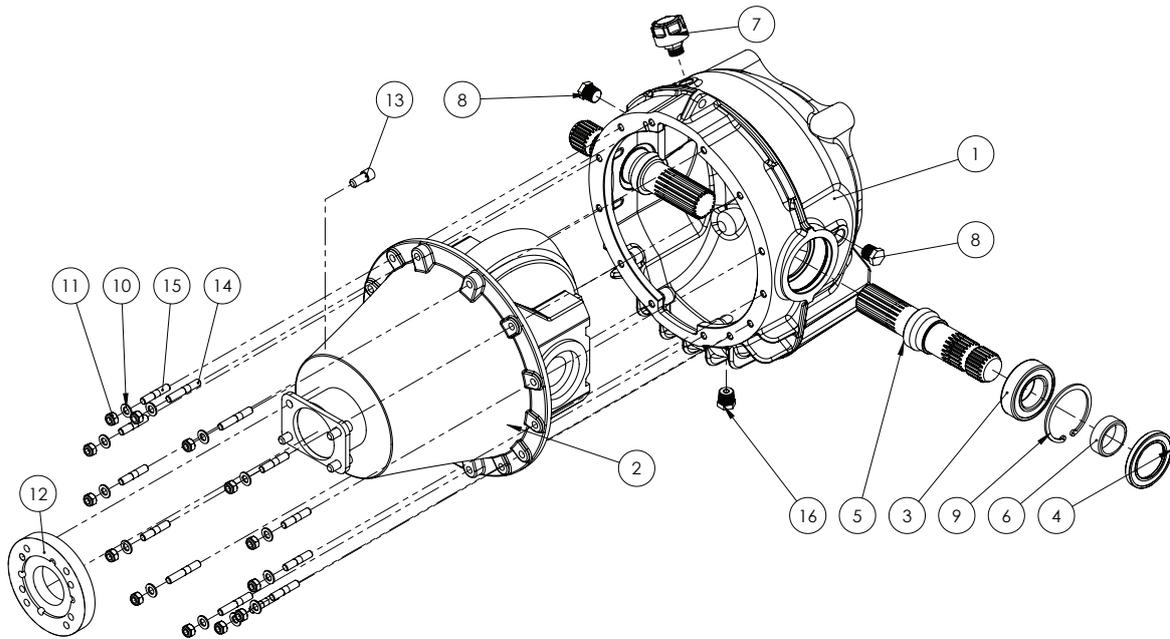
## Rear Axle - Drive Shaft, Diff to Drop Leg

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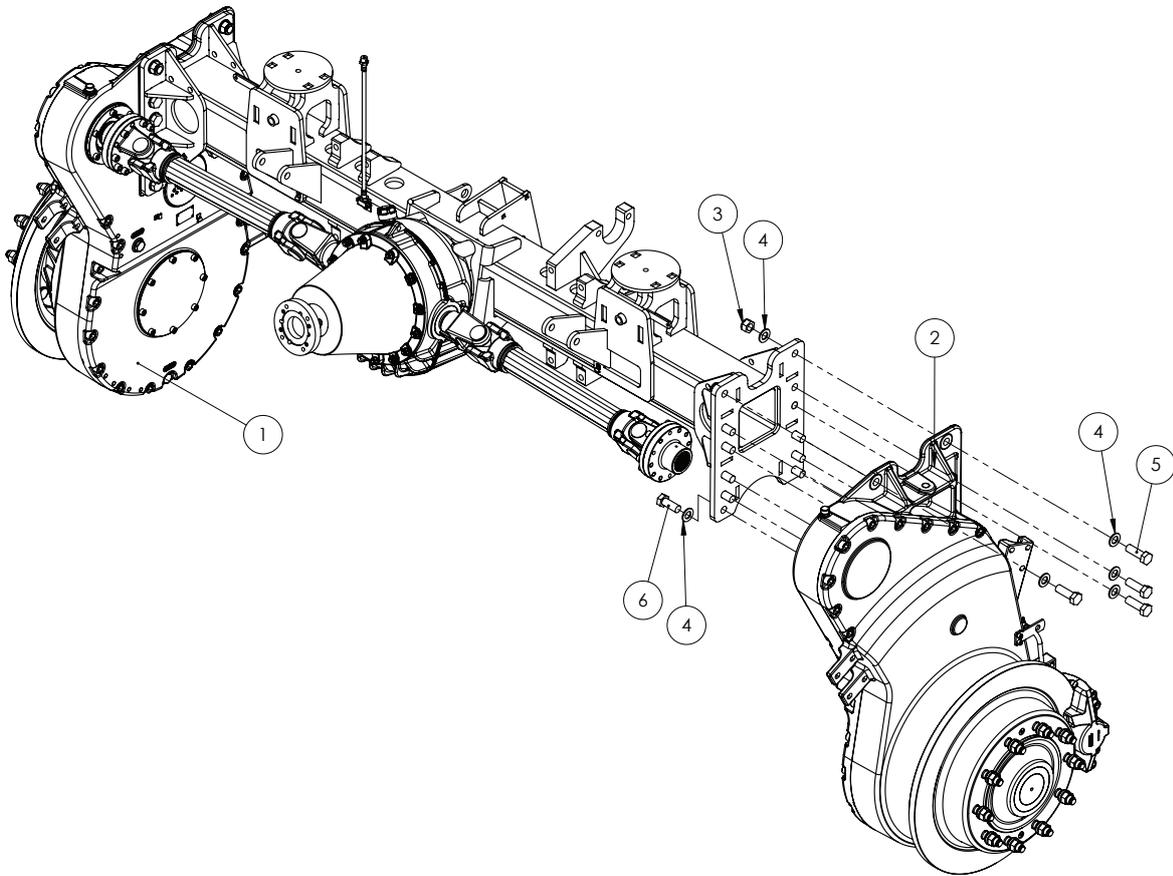
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA2700127	FLANGE, DRIVE SHAFT, 12 BOLT FLANGE TO 2600 UNI	1
2	GA5012203	GREASE NIPPLE, SHORT, 1/4 UNF, MACH0207	3
3	GA2700131	TUBE, STAR S6, 3m REAR, G6	1
4	GA2700128	UNIVERSAL JOINT, 2600	2
5	GA2700130	YOKE, 2600 UNI TO 1 3/4" 20 TOOTH FEMALE SPLINE	1
6	GA2700129	YOKE, 2600 UNI TO S6 STAR TUBE	2

## Rear Axle - Differential



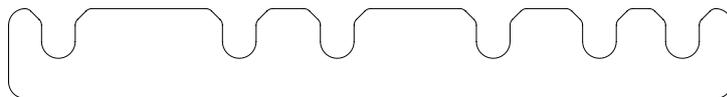
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA2700063	Differential Housing suit Isuzu Centre, Cast Aluminium	1
2	GA5010610	Diff centre, 5.125:1 ratio 41/8 tooth count, LSD, Isuzu	1
3	GA5007959	Bearing, Double Row Barrel Roller, Diff output shaft	2
4	GA5048455	Oil Seal, 55 ID x 85 OD x 8 mm thick	2
5	GA4550620	Shaft, Diff Output, Spline	2
6	DL30	Spacer ring, Self propelled drop leg and diff output	2
7	GA5066770	Air breather screw in style 1/2"	1
8	GA5050670	Plug male brass 1/2" BSPT	2
9	GA5072635	Circlip, Internal, suit 85mm Bore, 3mm Thick	2
10	GA5000117	Washer 10mm Flat SS HD	13
11	GA5000141	Nut M10 Nyloc ZP	13
12	1480-ISUZU	Adapter, 1480 drive shaft yoke to Isuzu diff	1
13	GA5070440	SHCS M12 x 25, machined head diameter 16mm , suit Isuzu diff input, GR12.9	4
14	GA0500050	Stud, M10 x 60 with 20mm long Tap End	4
15	GA0500049	Stud, M10 x 50 with 20mm long Tap End	9
16	GA5048560	1/2" Brass Magnetic Plug	1

# Rear Axle - Drop Leg Mounting



## DROP LEG TOE ADJUSTMENT SHIMS

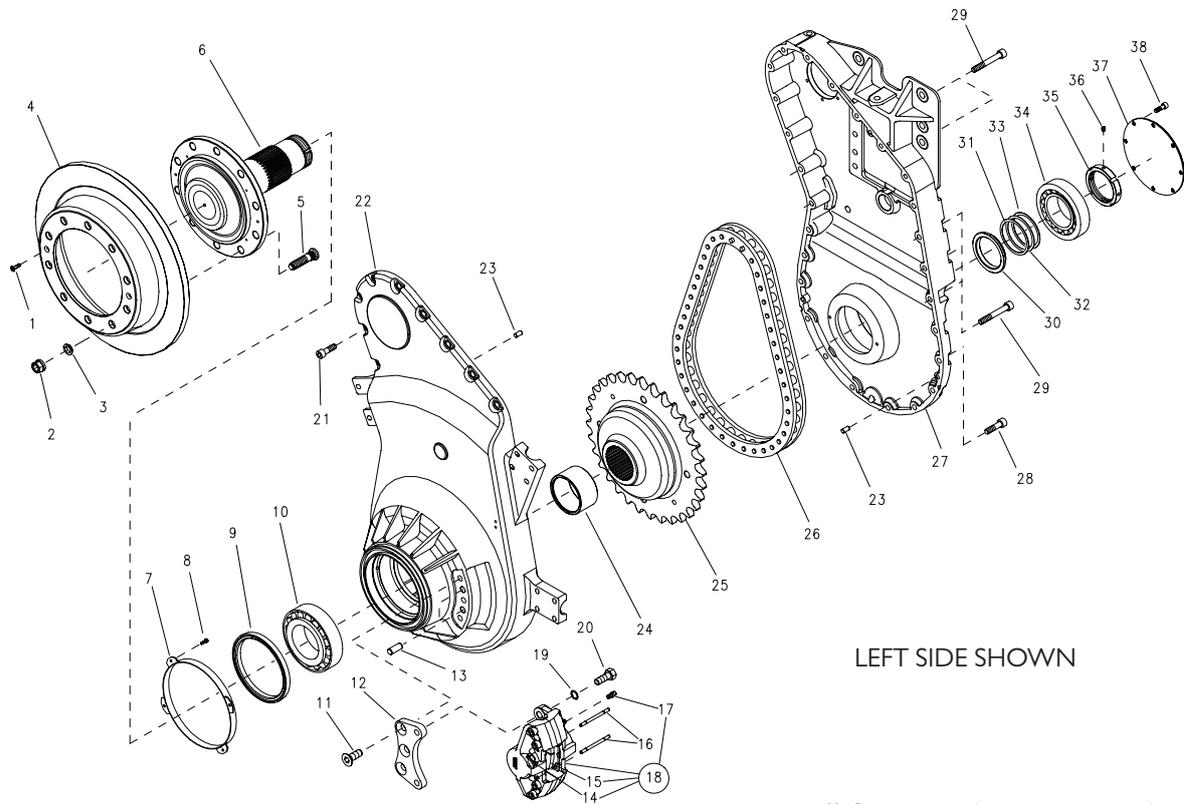
PART NUMBER	DESCRIPTION
GA4537200	Shim rear drop leg 0.5mm
GA4537205	Shim rear drop leg 1mm



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA2700052*	Drop leg RH	1
2	GA2700051*	Drop leg LH	1
3	GA5048125	Nut M20 Nyloc Coarse ZP	8
4	GA5001741	Washer 20mm Flat SS HD	32
5	GA5011333	Bolt M20 x 60 GR8.8 ZP	8
6	GA5011319	Bolt M20 x 50 GR8.8 ZP	16

\* Sub-assembly on following pages

# Drop Leg - Rear Lower Assembly



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5073260	CSCS, M8 x 25 Gr10.9	2
2	GA5073265	Wheel Nut, M22 x 1.5	10
3	-	Not used	-
4	GA5070065	Brake Disc, Drop Leg	1
5	GA5073275	Stud, M22 x 1.5 x 90 Gr10.9, Drop Leg, Rear	10
6	GA5073280	Shaft, Output, with Wheel Hub, Drop Leg, Rear	1
7	GA5073285	Output shaft Seal Protection Ring, Drop Leg, Rear	1
8	GA5073290	SHCS, M6 x 14, Gr8.8	4
9	GA5073295	Seal, Oil, Cassette, T3 190x220x16/18 NBR, Drop Leg, Rear	1
10	GA1700002	Bearing, Taper Roller I 10 ID, 200 OD, SKF 32222 J2	1
11	GA0500051	CSCS, M20 x 50, ZP Gr10.9	3
12	GA5073300	Plate, Brake Caliper Mount, Drop Leg, Rear	1
13	GA5073305	Dowel Pin, M18 x 40	2
14	GA5055645	Brake pad backing, anti squeal, self adhesive, pack of 4	1
15	GA5006305	Brake pads, Suit JCB & Stilfreni caliper, 2 pads = 1 set	1
16	GA5051430	Pin kit t/s Stilfreni caliper (1 set)	1
17	GA5073310	Bleeder Valve, M10x1, Brake Caliper, Stilfreni	1
18	GA5016069	Stilfreni brake caliper for SP	1
19	GA5073315	Washer, Flat, 21 x 37 x 3 mm, ZP	2
20	GA5073320	SHCS, M20 x 50, Fine Thread 1.5P, Gr10.9	2

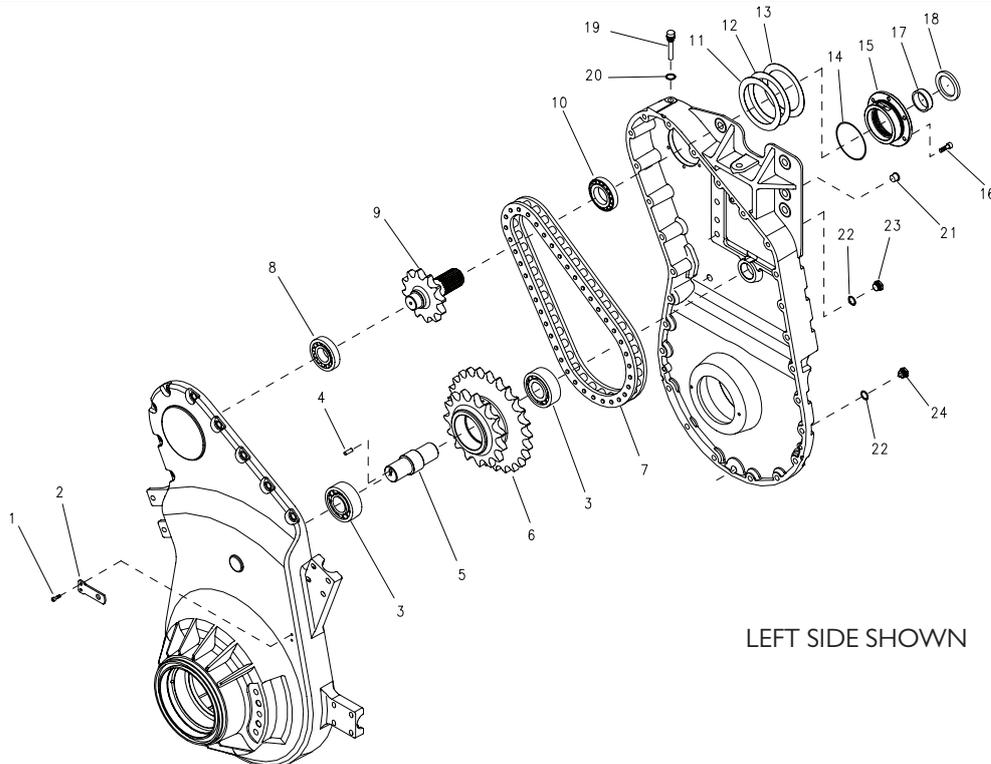
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## Drop Leg - Rear Lower Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
21	GA5000925	SHCS M16 x 40 GR12.9 ZP	9
22	-	Outer casing	1
23	GA5073325	Dowel Pin, M12 x 24	3
24	GA5073330	Spacer Ring, Long, Output Shaft, Drop Leg, Rear	1
25	GA5073335	Sprocket, with Splined Hub, 32 Tooth, Drop Leg, Rear	1
26	GA5059995	Chain, Super 140HT, Tsubaki, No joining link, Lower drop leg (14 link)	1
27	-	Inner casing	1
28	GA5000935	SHCS M16 x 50 GR12.9 ZP	12
29	GA5073340	SHCS M16 x 110 GR12.9 ZP	5
30	GA5073345	Spacer Ring, Short, Output Shaft, Drop Leg, Rear	1
31	GA5073350	SHIM, Output Shaft, 0.15mm, Drop Leg, Rear	2
32	GA5073355	SHIM, Output Shaft, 0.xxmm, Drop Leg, Rear	4
33	GA5073360	SHIM, Output Shaft, 0.30mm, Drop Leg, Rear	2
34	GA1700006	Bearing, Taper Roller 100 ID, 180 OD, SKF 32220 J2	1
35	GA5073365	Ring Nut, Drop Leg, Rear	1
36	GA5073370	Grub Screw, M10 x 16	1
37	GA5073375	Plate, Cover, Output Shaft, Drop Leg, Rear	1
38	GA5071085	SHCS M10 x 25 GR12.9 ZP	8

# Quantities shown are per side.

## Drop Leg - Rear Upper Assembly



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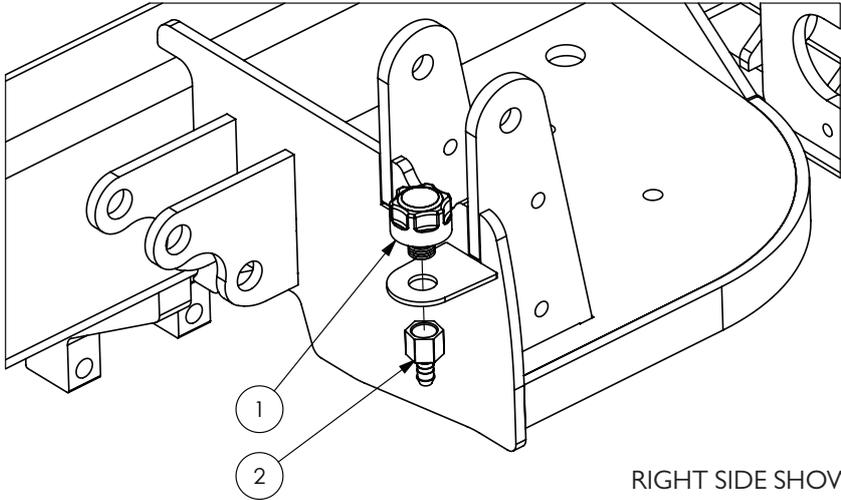
## Drop Leg - Rear Upper Assembly

# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5050690	SHCS M8 x 16 GR12.9 ZP	2
2	GA5073380	Plate, Brake Hose Fixing, Drop Leg, Rear	1
3	GA1700003	Bearing, Single Row Cylindrical Roller ID 50 OD 110 NJ 2310 ECP	2
4	GA0500009	M10 x 20 Dowel Pin	1
5	GA5073385	Idler Shaft, Drop Leg, Rear, G5 G6, Dromos	1
6	GA4660490	15-25 Tooth Idler Sprocket Drop Leg 2015	1
7	GA5014599	Chain, Super 120HT, Tsubaki, No joining link, Upper drop leg (19 link)	1
8	GA1700004	Bearing, Taper Roller 45 ID, 100 OD, SKF 30309 J2Q	1
9	GA4552945	Shaft Rear Dropleg Input 25 Tooth Spline	1
10	GA1700005	Bearing, Taper Roller 55 ID, 100 OD, SKF 30211 J2Q	1
11	GA5073390	SHIM, Input Shaft Bearing Holder, 0.15mm, Drop Leg, Rear	2
12	GA5073395	SHIM, Input Shaft Bearing Holder, 0.20mm, Drop Leg, Rear	4
13	GA5073400	SHIM, Input Shaft Bearing Holder, 0.30mm, Drop Leg, Rear	2
14	GA5073405	O-Ring, 2-158 - 120.32 x 2.62 NBR 70	1
15	GA5073410	Bearing Holder, Input Shaft, Drop Leg, Rear	1
16	GA5071085	SHCS M10 x 25 GR12.9 ZP	6
17	GA5073415	Ring Race, Oil Seal , Input Shaft, Drop Leg, Rear	1
18	GA5073420	Oil Seal, 65 x 90 x 7, Input Shaft, Drop Leg, Rear	1
19	GA5073425	Breather Plug without Valve with tube M18 x 1.5, Drop Leg, Rear	1
20	GA5073430	Washer, Copper Gasket, 18 x 24 x 1.5 mm	1
21	-	Temporary Plastic Plug - Not needed	1
22	GA5073435	Washer, Copper Gasket, 22 x 28 x 1.5 mm	2
23	GA5073440	Plug, Drain, Not Magnetic, M22 x 1.5, Drop Leg, Rear	1
24	GA5073445	Plug, Drain, Magnetic, M22 x 1.5, Drop Leg, Rear	1

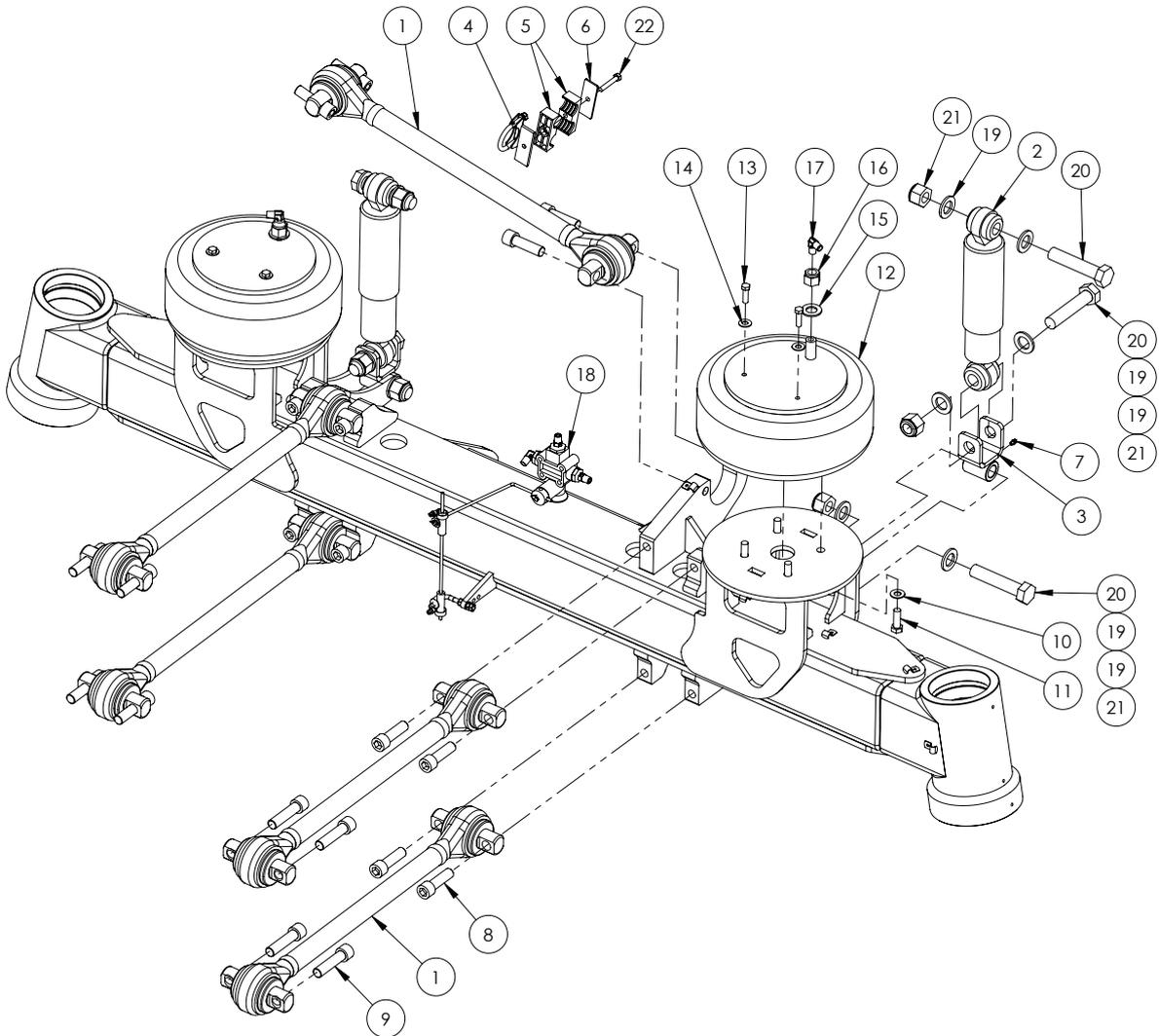
# Quantities shown are per side.

# Remote Breathers - Front Drop Legs



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5066770	Air Breather screw in style 1/2"	2
2	GA5052700	Hose barb, 1/2" BSP Female x 1/2" hose, Brass	2

## Suspension - Front



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5068850~	Suspension link, Torque rod, 650mm centre, Hollow	1
	GA5068851~	Suspension link, Torque rod, 650mm centre, Solid	4
2	GA2500000	Shock Absorber, Suspension Damper, Black, Monroe	2
3	GA4660670	Shock Absorber Mount, Front Axle	2
4	GA4659840	Mount Steering Hose to Panhard	1
5	GA5078038	Mounting clamp, Double type, Jaw, Pair, Group 4, 28mm	2
6	GA5078049	Mounting clamp, Double type, Plate, Top, Group 4	1
7	GA5050450	Grease nipple 6mm	2
8	GA5053145	SHCS 3/4" UNF x 2 1/2" GR12.9 Blue Zinc Plated	12
9	GA5053150	SHCS 3/4" UNF x 3" GR12.9 (Blue Zinc)	8
10	GA5017673	Washer 1/2" High Tensile	8
11	GA5006167	Bolt, 1/2" UNC x 1 1/2", ZP GR8	8
12	GA5005311	Air spring HT230 single air stud	2

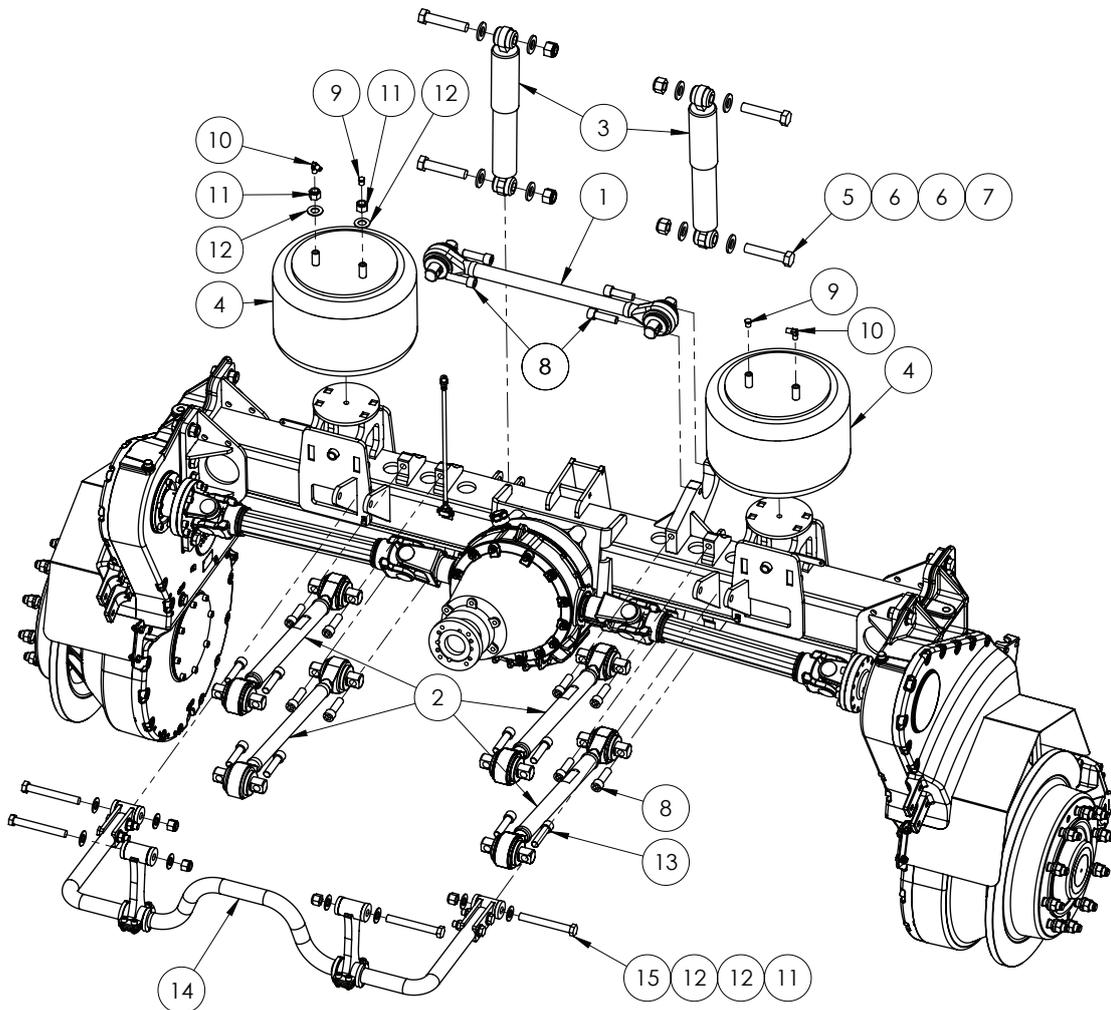
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## Suspension - Front

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	GA5002599	Set screw, 3/8" UNC x 1 1/4", SS	4
14	GA5017623	Washer 3/8" Flat ZP Heavy Duty	4
15	GA5001741	Washer 20mm Flat SS HD	2
16	GA5048430	Nut, Nyloc, 3/4" UNC, ZP	2
17	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male	2
18	GA5010868	Ride height valve, 1/4" connecting rods	1
19	GA5001893	Washer 1" x 1 7/8" x 14G	12
20	GA5011346	Bolt M24 x 115, special 75 to 77mm shank, ZP, GR8.8	6
21	GA5012469	Nut M24 Nyloc ZP	6
22	GA5004727	Bolt M8 x 50 ZP GR8.8	1

~ NOTE: Fit 1x GA5068850 (Panhard position) and 4x GA5068851 (axle position).

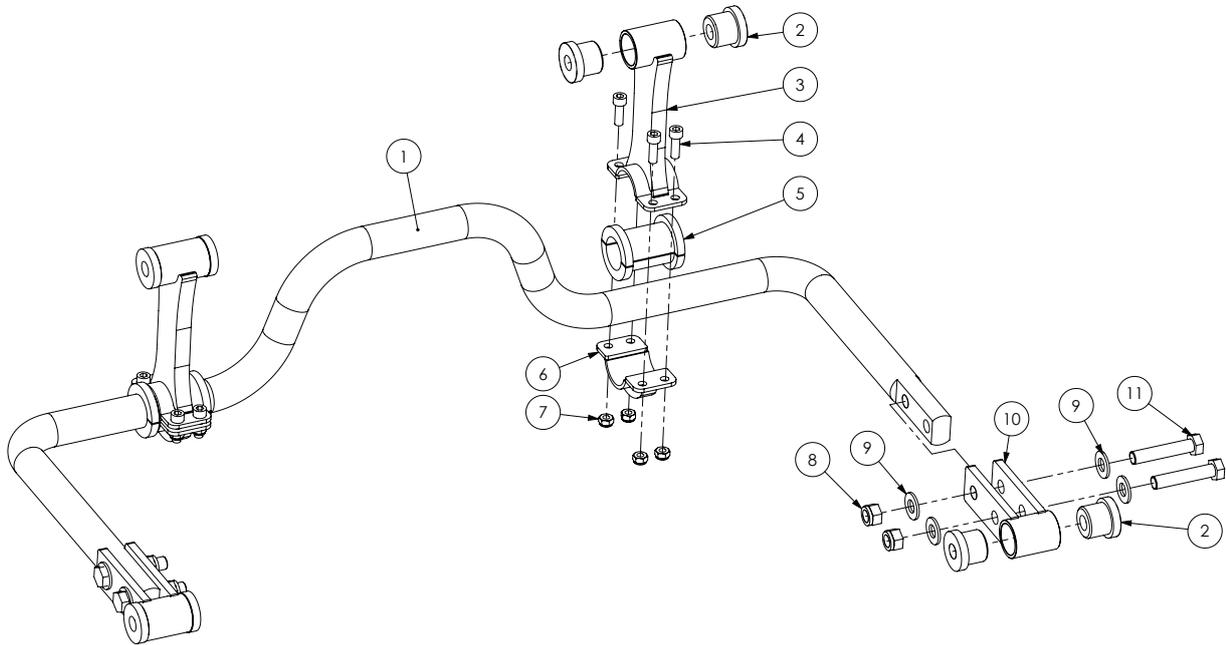
## Suspension - Rear



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5068850	Suspension link, Torque rod, 650mm centre, Hollow	1
2	GA5068851	Suspension link, Torque rod, 650mm centre, Solid	4
3	GA2500000	Shock Absorber, Suspension Damper, Black, Monroe	2
4	GA5005115	Air Spring AA300 dual air stud	2
5	GA5011344	Bolt M24 x 120 GR8.8 ZP	4
6	GA5017659	Washer 1" Flat ZP HD (5mm thick)	8
7	GA5012469	Nut M24 Nyloc ZP	4
8	GA5053145	SHCS 3/4" UNF x 2 1/2" GR12.9 ZP Blue	12
9	GA5069335	Plug 1/4" BSPT Brass	2
10	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male	2
11	GA5048430	Nut 3/4" UNC Nyloc ZP	6
12	GA5001045	Washer 3/4" Flat ZP	10
13	GA5053150	SHCS 3/4" UNF x 3" GR12.9 ZP Blue	8
14	GA5016192	Rear Swaybar, 42mm	1
15	GA5002487	Bolt 3/4" UNC x 6" GR8 ZP	4

\* Sub-assembly on following pages

## Suspension - Rear Sway Bar - 3m 2WD & 4WD



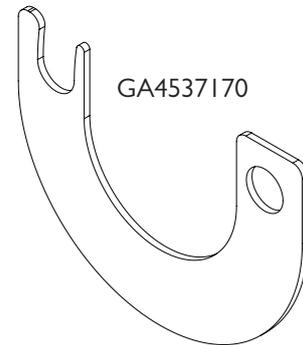
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5016192	Rear Swaybar, 42mm	1
2	GA5016195	Bush, Sway bar pivot, Pigthane 90A duro	8
3	GA4654805	Clamp, Upper, Sway bar, Crop Cruiser	2
4	GA5006129	SHCS M10 x 30 GR12.9 ZP	8
5	GA4583285	Nylon Bush for Sway Bar, 42mm (This part comes in two halves)	2
6	GA4654800	Clamp, Lower, Sway bar, Crop Cruiser	2
7	GA5000141	Nut M10 Nyloc ZP	8
8	GA5001029	Nut M16 Nyloc ZP	4
9	GA5001043	Washer 16mm Flat SS HD	8
10	GA4654790	Mounting, swaybar to axle	2
11	GA5011307	Bolt M16 x 80 ZP GR8.8	4

## Suspension - Front & Rear - Miscellaneous

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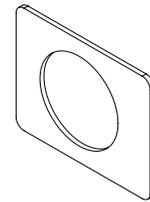
### PANHARD ROD SHIMS

PART NUMBER	DESCRIPTION
GA4537165	Panhard shim 1mm
GA4537170	Panhard shim 3mm
GA4537175	Panhard shim 5mm



### TORQUE ROD SHIMS

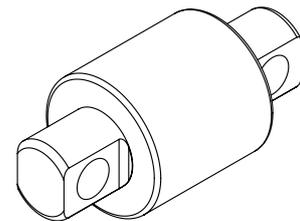
PART NUMBER	DESCRIPTION
GA4505076	Shim, Spacer Block Torque Rod Suspension Arm, 1mm
GA4505075	Shim, Spacer Block Torque Rod Suspension Arm, 5mm



GA4505076

### FRONT SUSPENSION SERVICE PARTS

PART NUMBER	DESCRIPTION
GA5069825	Bush, Suspension link end replacement, 3/4" bolt holes, TS38750, ATRO

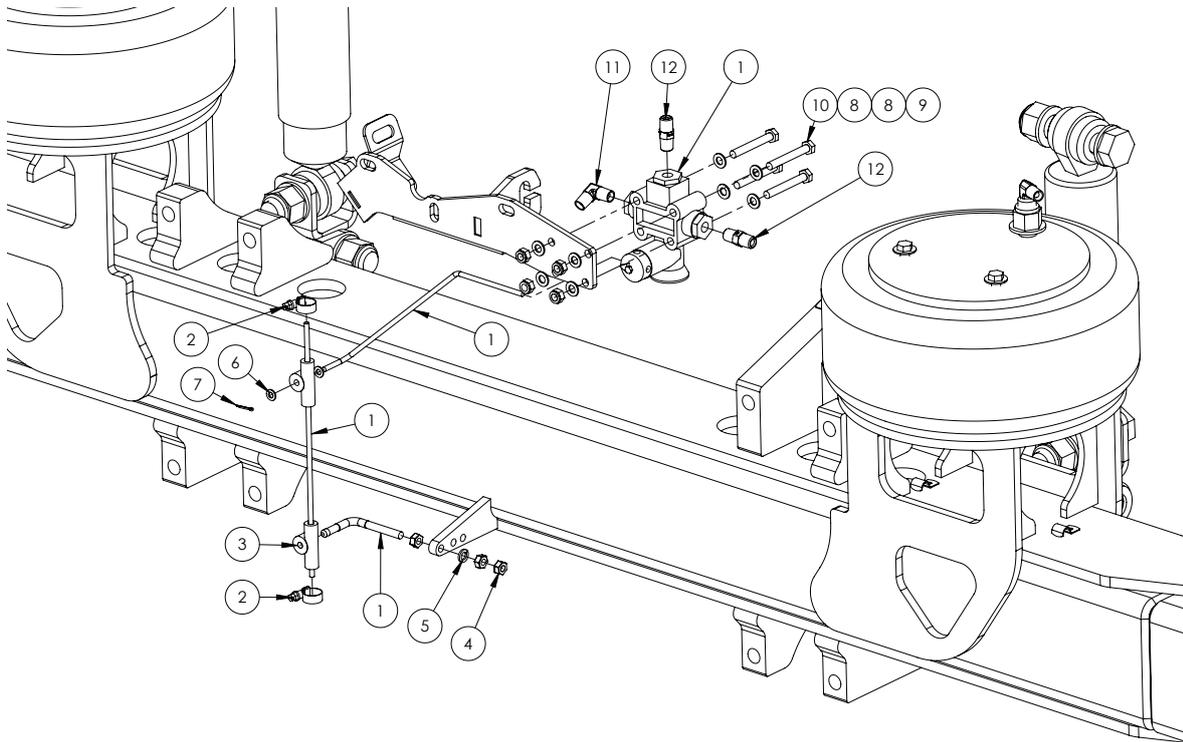


GA5069825

### REAR SUSPENSION TOOL

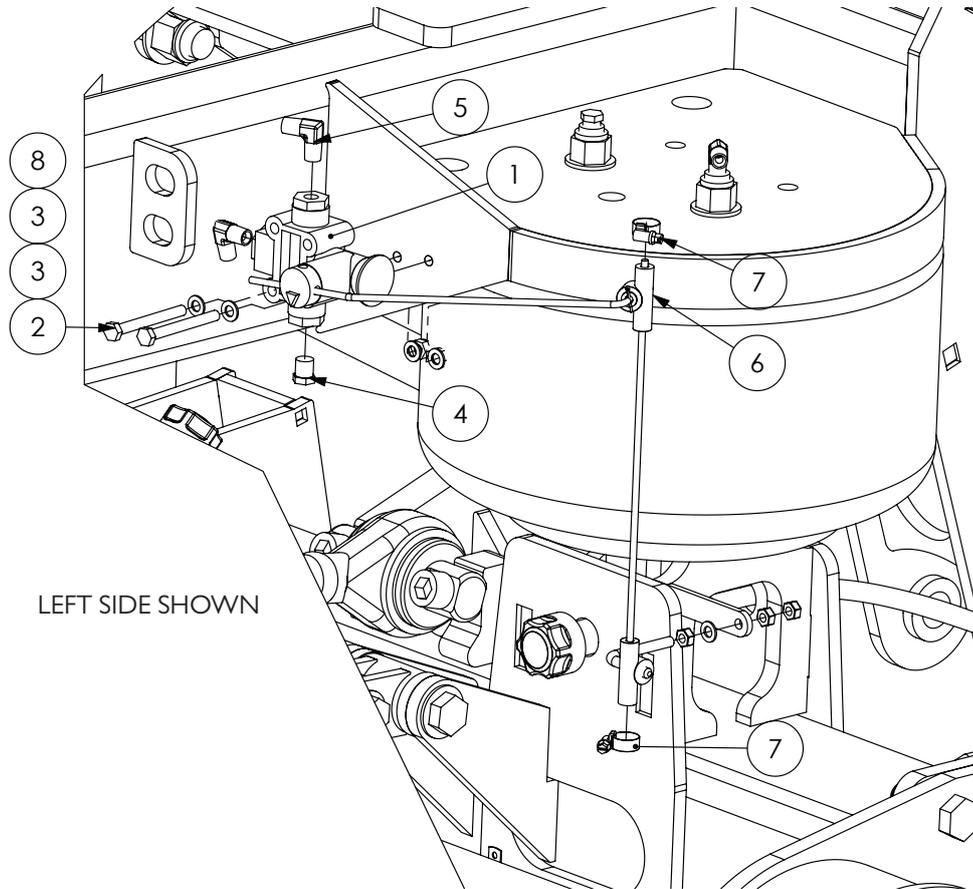
PART NUMBER	DESCRIPTION
PT59-59100 / PT00-52100	Atro bush tool

## Ride Height Valve - Front



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5010868	Ride height valve, 1/4" connecting rods	1
2	GA5004865	Hose Clamp, 3/8", SS (8-16/9W)	2
3	GA5014651	Tee, Rubber, Suit ride height levelling valve rods	2
4	GA5011499	Nut M8 Hex ZP	3
5	GA5004919	Washer 8mm Spring SS	1
6	GA5004437	Washer 6mm Flat SS	2
7	-	M2 Split pin	1
8	GA5003643	Washer 8mm Flat SS HD	8
9	GA5052590	Nut M8 Nyloc SS	4
10	GA5011489	Bolt M8 x 60 ZP GR8.8	4
11	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male	1
12	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male	2

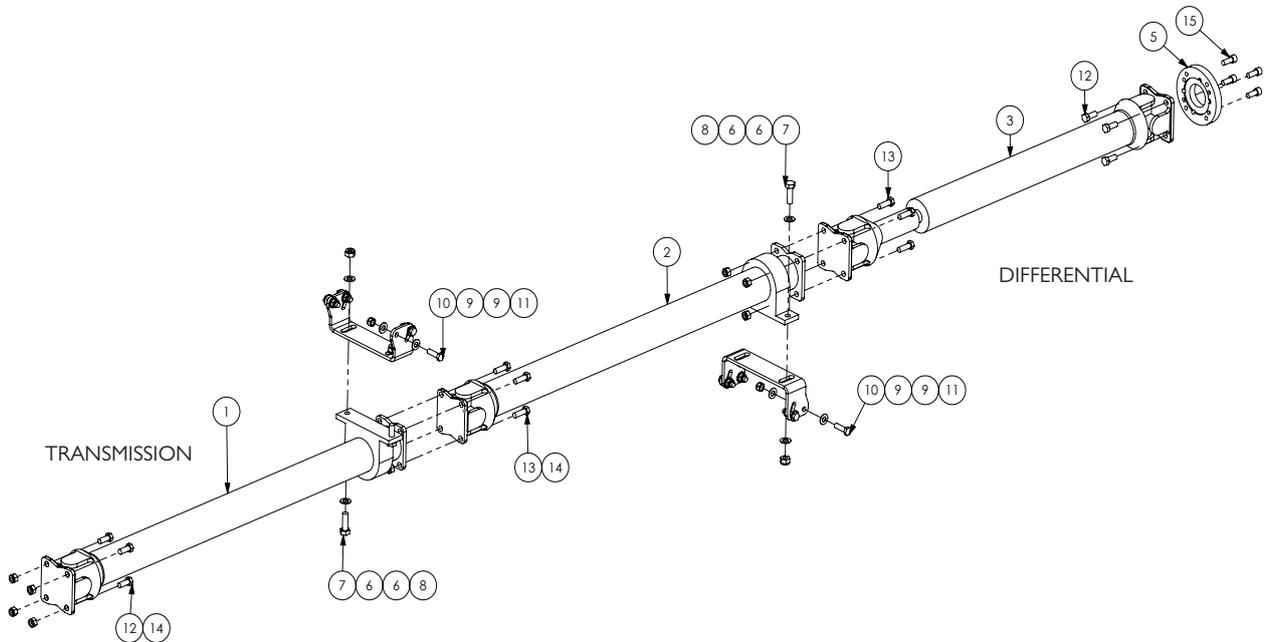
## Ride Height Valve - Rear



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5010868	Ride height valve, 1/4" connecting rods	1
2	GA5052600	Bolt M8 x 75 SS	2
3	GA5003643	Washer 8mm Flat SS HD	4
4	GA5069335	Plug, 1/4" BSPT male thread, Brass	1
5	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male	2
6	GA5014651	Tee, Rubber, Suit ride height levelling valve rods	2
7	GA5004865	Hose Clamp, 3/8",SS (8-16/9W)	2
8	GA5052590	Nut M8 Nyloc SS	2

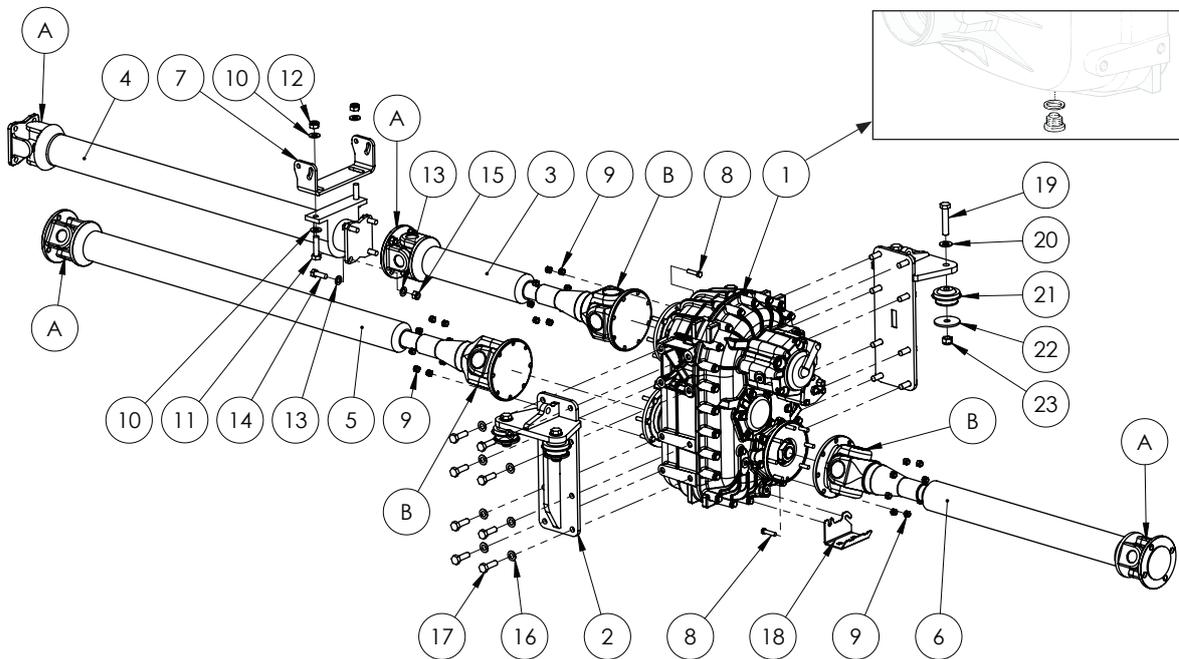
# Quantities shown are per side.

# Drive Shafts - 2WD



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5007003	Centre bearing assembly 40mm e/yoke	-
A	GA5017113	Uni Joint kit I480 series	4
1	GA5048226	Drive shaft 2WD 2011 Front	1
2	GA5048227	Drive shaft 2WD 2011 middle	1
3	GA5048228	Drive shaft 2WD 2011 rear	1
4	GA4536225	Mount Centre Bearing Plate	2
5	I480-ISUZU	Adapter, I480 drive shaft yoke to Isuzu diff	1
6	GA5050325	Washer M14 Flat SS	8
7	GA5000343	Bolt M14 x 45 GR8.8 ZP	4
8	GA5012427	Nut M14 Nyloc ZP	4
9	GA5000577	Washer M12 Flat SS HD	16
10	GA5051725	Bolt M12 x 1.5P x 40 GR8.8 ZP	8
11	GA5012461	Nut M12 Nyloc ZP	8
12	GA5006045	Bolt 1/2 UNF x 1 1/4 GR8 ZP	8
13	GA5009781	Bolt 1/2 UNF x 1 1/2 GR8 ZP	8
14	GA5049605	Nut 1/2 UNF Nyloc ZP	12
15	GA5000307	SHCS M12 x 30 GR12.9 ZP	4

## Drive Shafts & Transfer Case - 4WD



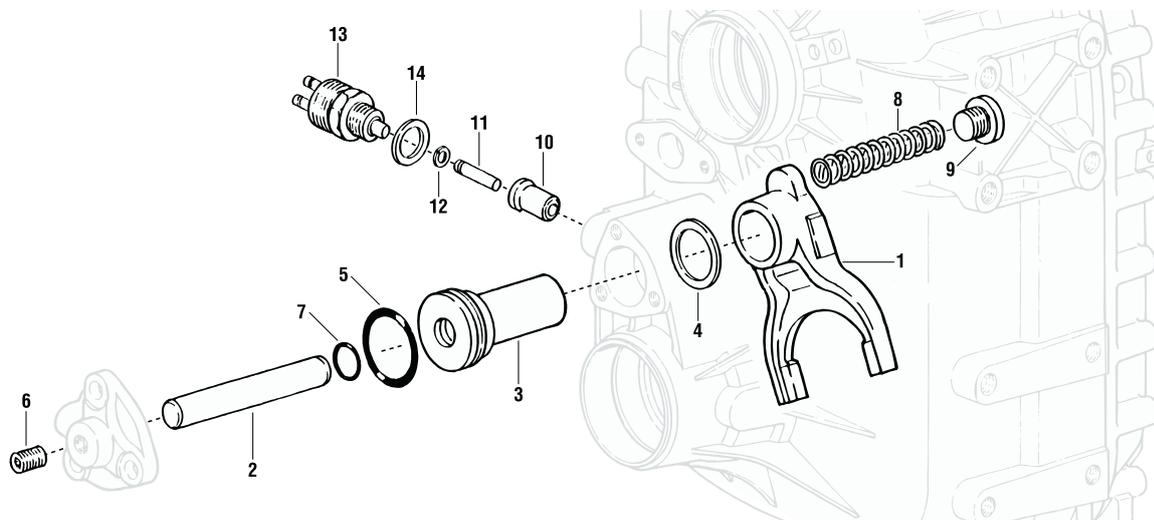
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
A	GA5017113	Universal Joint Cross, 1480 series	4
B	GA2700084	Universal Joint Cross, 1610 Series	3
1	GA2700072	Transfer Case, Full Time 4WD with Variable Differential (33:67) and Lock, SAE I 600 Flanges, G4.7 G5 G6, Marmon Herrington	1
	GA5078531	Sealing ring, Plug, Transfer case	-
	GA5078532	Drain plug no seal ring, Transfer case	-
2	GA4661820	Plate, Transfer Case Bracket Isolator Mount	2
3	GA2700073	Drive Shaft, Centre Bearing to Marmon Herrington Transfer Case	1
4	GA5048226	Drive Shaft, Transmission to Centre Bearing	1
5	GA2700075	Drive Shaft, Front Axle to Marmon Herrington Transfer Case	1
6	GA2700074	Drive Shaft, Rear Axle to Marmon Herrington Transfer Case	1
7	GA4536225	Mount Centre Bearing Plate	1
8	GA0500032	Bolt 3/8" x 1 1/2, UNF, ZP, Gr8	24
9	GA0500026	Nut 3/8", Nyloc, ZP, UNF	24
10	GA5066235	Washer 14mm HD ZP Yellow	4
11	GA5073685	Bolt, M14 x 55, ZP GR8.8	2
12	GA5012427	Nut M14 Nyloc ZP	2
13	GA5017655	Washer 1/2" Flat SS	8
14	GA5006167	Bolt 1/2" UNC x 1 1/2" GR8 ZP	4
15	GA5050580	Nut 1/2" UNC Nyloc ZP	4
16	GA5050325	Washer 14mm Flat SS	16
17	GA5000343	Bolt M14 x 45 GR8.8 ZP	16

Continued over page

## Drive Shafts & Transfer Case - 4WD

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
18	GA4403935	Plate, Hose Support Bracket, 4WD Transfer Case	1
19	GA5011307	Bolt M16 x 80 GR8.8 ZP	4
20	GA5001043	Washer 16mm Flat SS HD	4
21	GA5070020	Vibration Isolator - 80mm	4
22	GA4502820	Large washer - eng mount SP09	4
23	GA5001029	Nut M16 Nyloc ZP	4

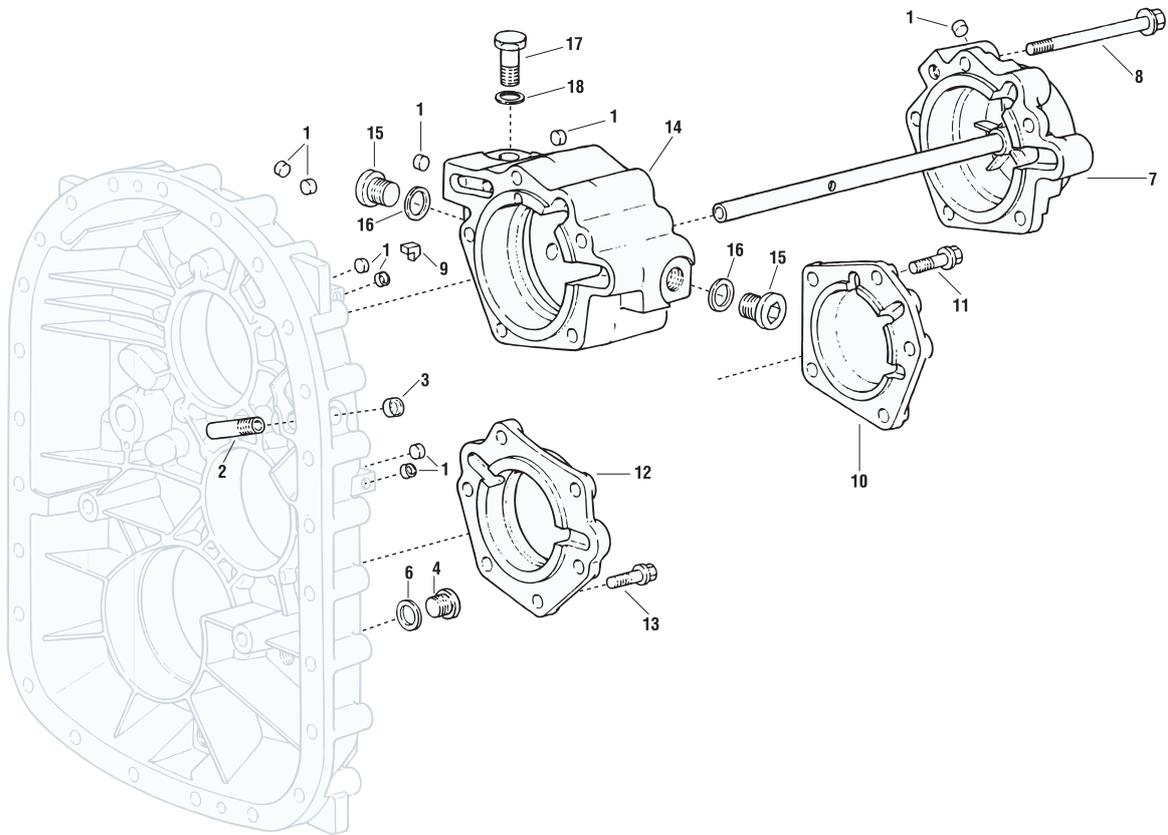
## Transfer Case - 4WD - Axle Engage



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MVG751107	Shift Fork	1
2	MVG751108	Piston Rod	1
3	MVG751109	Piston	1
	MVG751110A	30 x42 .10mm Shim	#
4	MVG751110B	30 x42 .20mm Shim	#
	MVG751110C	30 x42 .50mm Shim	#
	MVG751110D	30 x42 1.0mm Shim	#
5	MVG751114	Sealing Ring	1
6	MVG751115	Threaded Pin	1
7	MVG751116	Sealing Ring	1
8	MVG751117	Pressure Spring	1
9	MVG751118	Screw Plug	1
10	MVG751119	Bushing	1
11	MVG751120	Pin	1
12	MVG121125	Retaining Ring	1
13	GA5078540	Pressure switch, NC, Axle engage, Transfer case	1
14	MVG121040	Sealing Ring	1

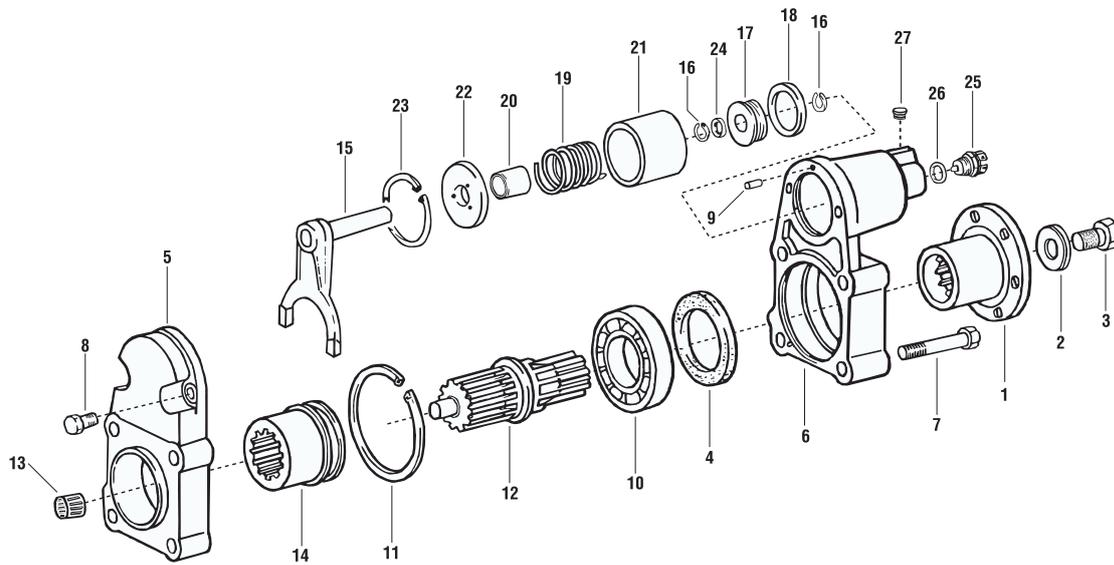
# Quantities vary.

# Transfer Case - 4WD - Rear Housing



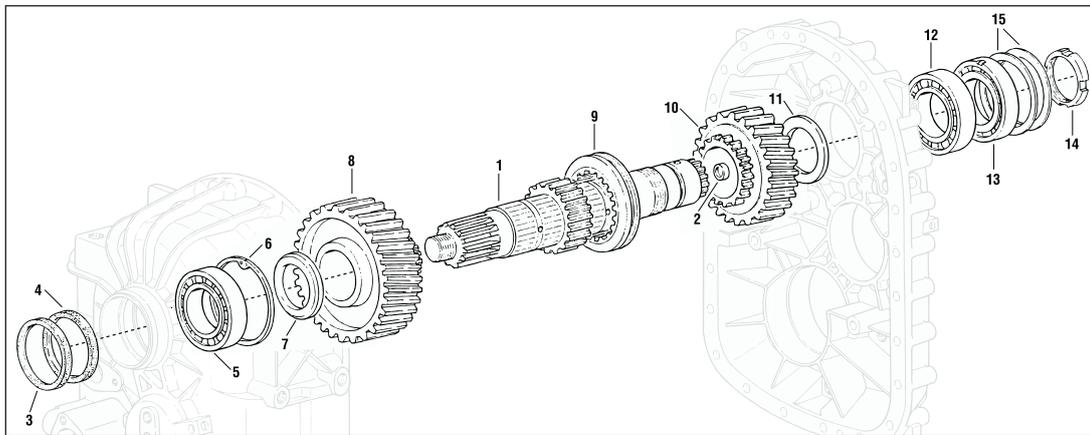
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MVG751009	Core Hole Plug	7
2	MVG751010	Oil Tube	1
3	MVG751011	Core Hole Plug	1
4	MVG751012	Fill Plug	1
5	-	-	-
6	GA5078531	Sealing ring, Plug, Transfer case	1
7	MVG751014	Closing Cover	1
8	11504610	M10x125 Hexagon Head Bolt	5
9	MVG751015	Key	1
10	MVG751016	Bearing Cover	1
11	11500878	M10x35 Hexagon Head Bolt	5
12	MVG751018	Bearing Cover	1
13	11500878	M10x35 Hexagon Head Bolt	6
14	MVG751020	Bearing Housing	1
15	GA5078533	Plug, Bearing housing, Transfer case	2
16	GA5078531	Sealing ring, Plug, Transfer case	2
17	MVG751023	Hexagon Head Screw	1
18	MVG751024	Sealing Ring	1

## Transfer Case - 4WD - Power Take Off



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MVG121153	Flange 1410	1
2	MVG121163	Washer	1
3	11500731	M12x35 Bolt	1
4	GA5078535	Oil seal, Power take off, Transfer case	1
5	MVG121151	Housing Front	1
6	MVG121150	Housing Rear	1
7	11500796	M12x100 Bolt	4
8	11500713	M8x20 Bolt	2
9	MVG121154	Pin	2
10	MVG121155	Bearing Shaft	1
11	MVG121156	Snap Ring	1
12	MVG121157	Output Shaft	1
13	MVG121158	Needle Bearing Caged	1
14	MVG121159	Shifting Sleeve	1
15	MVG121160	Shifting Fork	1
16	MVG121001	Snap Ring	2
17	MVG121037	Piston	1
18	MVG121038	Gasket	1
19	MVG121033	Spring	1
20	MVG121032	Distance Sleeve	1
21	MVG121034	Bushing	1
22	MVG121031	Washer	1
23	MVG121161	Snap Ring	1
24	MVG121036	O-Ring	1
25	GA5078540	Pressure switch, NC, Axle engage, Transfer case	1
26	MVG121040	Gasket	1
27	MVG121162	Plug	1

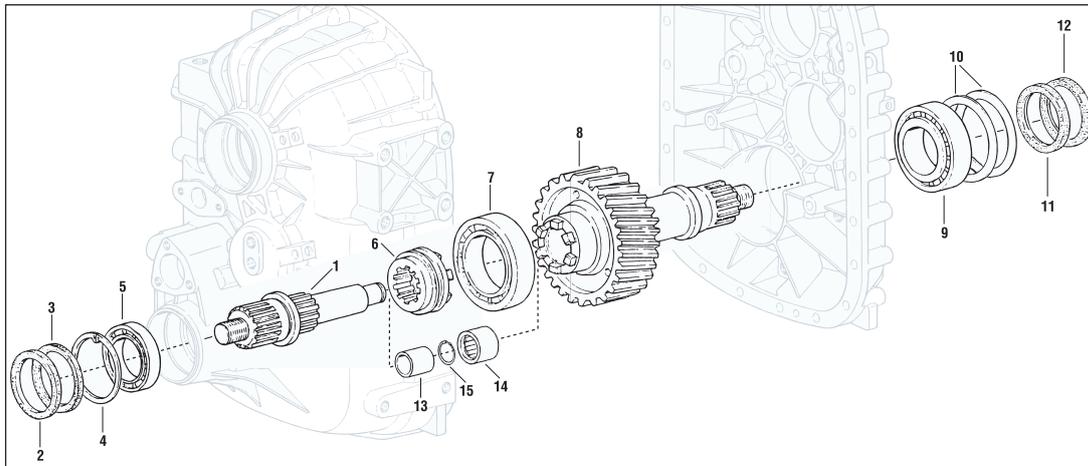
## Transfer Case - 4WD - Input Shaft



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MVG751046	Input Shaft	1
2	MVG751047	Baffle Washer	1
3	GA5078537	Oil seal outer, Input/output shaft, Transfer case	1
4	GA5078538	Oil seal inner, Input/output shaft, Transfer case	1
5	MVG751050	Roller Bearing	1
6	MVG751051	Retaining Ring	1
7	MVG751052	Thrust Washer	1
8	MVG751053	Drive Gear	1
9	MVG751054	Shifting Sleeve	1
10	MVG751055	Drive Gear	1
11	MVG751056	Thrust Washer	1
12	MVG751050	Roller Bearing	1
13	MVG751058	Angular Ball Bearing	1
14	MVG751059	Plain Nut	1
15	MVG121017A	Shim .10mm	#
	MVG121017B	Shim .20mm	#
	MVG121017C	Shim .50mm	#
	MVG121017D	Shim .15mm	#

# Quantities vary.

## Transfer Case - 4WD - Output Shaft



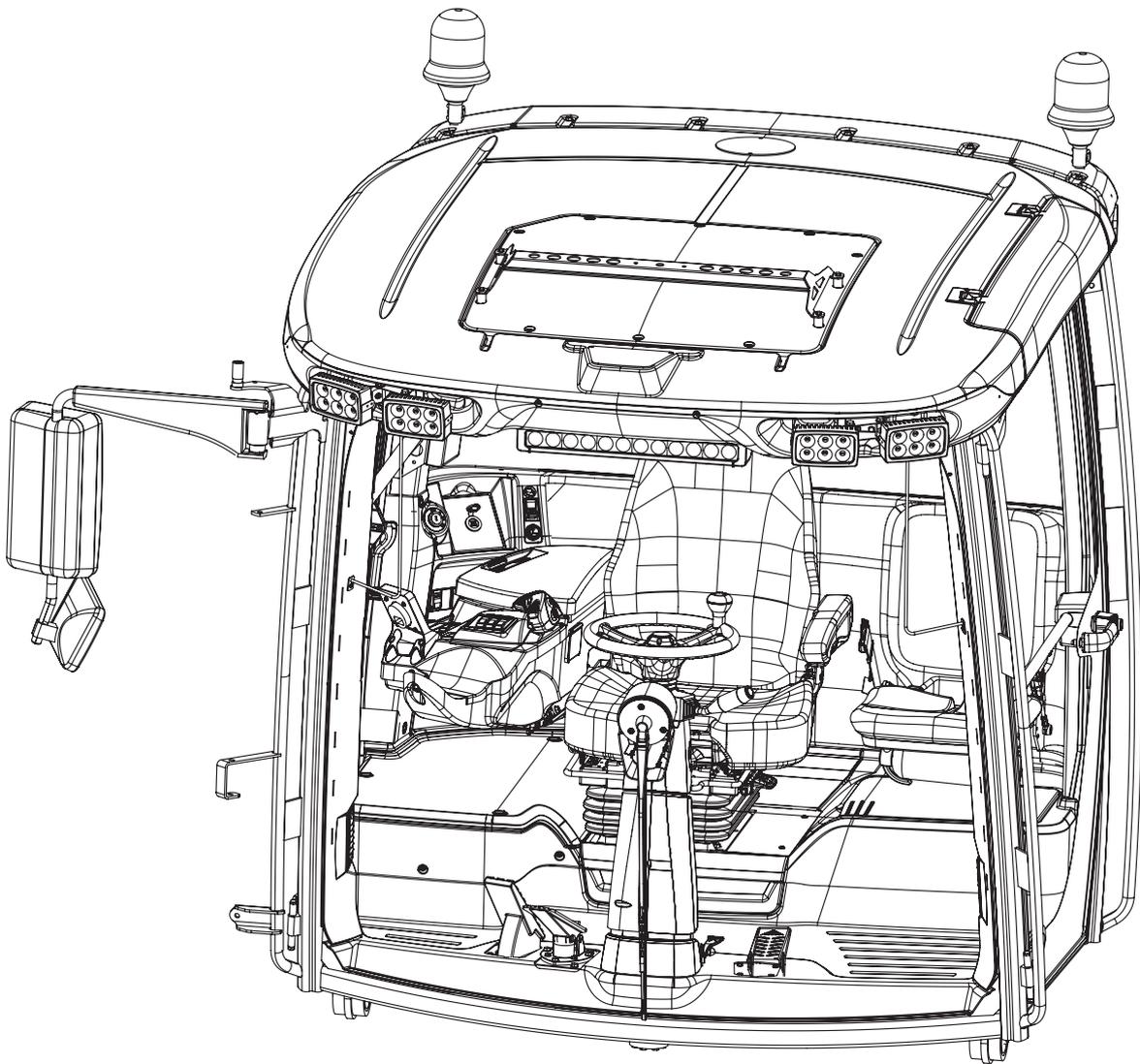
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MVG751078	Front Output Shaft	1
2	GA5078537	Oil seal outer, Input/output shaft, Transfer case	1
3	GA5078538	Oil seal inner, Input/output shaft, Transfer case	1
4	MVG751070	Retaining Ring	1
5	MVG751071	Ball Bearing	1
6	MVG751072	Shifting Sleeve	1
7	MVG751073	Roller Bearing	1
8	MVG751079	Rear Output Shaft	1
9	MVG751075	Roller Bearing	1
	MVG201046A	Shim .60mm	#
	MVG201046B	Shim .80mm	#
	MVG201046C	Shim 1.0mm	#
10	MVG121064A	Shim .10mm	#
	MVG121064B	Shim .20mm	#
	MVG121064C	Shim .40mm	#
	MVG121064D	Shim .15mm	#
11	GA5078538	Oil seal inner, Input/output shaft, Transfer case	1
12	GA5078537	Oil seal outer, Input/output shaft, Transfer case	1
13	MVG751080	Inside Ring	1
14	MVG751081	Needle Sleeve	1
15	MVG751082	Retaining Ring	1

# Quantities vary.

# Chapter 22

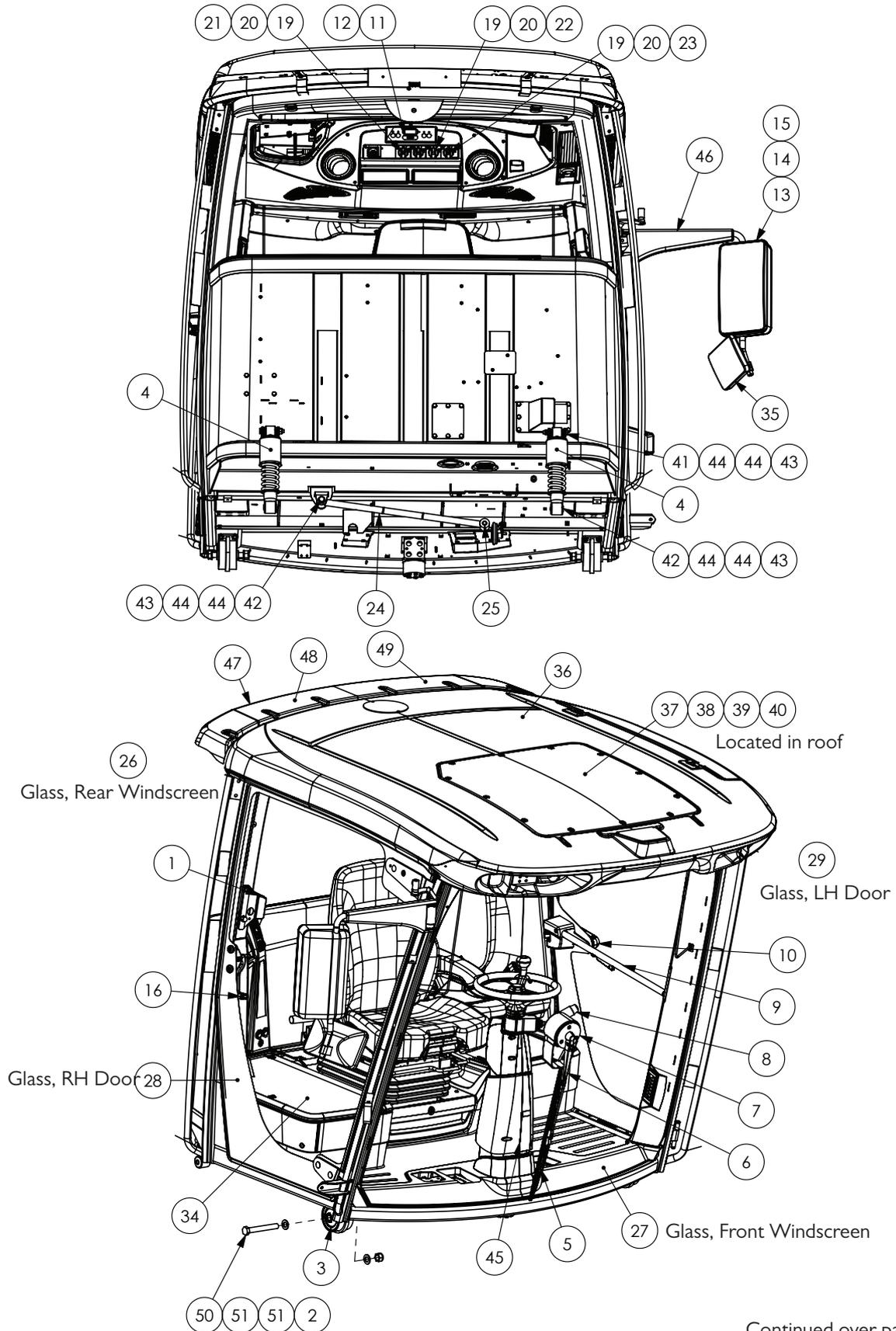
## CABIN

### Cabin - Claas



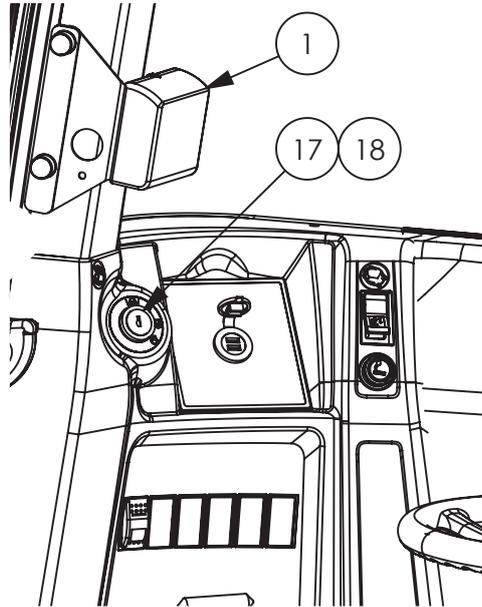
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# Cabin - Claas



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## Cabin - Claas



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054100	Cup holder	1
2	GA5048125	Nut M20 Nyloc Coarse ZP	2
3	GA5054110	Bushing	1
4	GA5054105	Damper, shock absorber	2
5	GA5054155	Wiper Blade	1
6	GA5054150	Wiper Arm	1
7	GA5054145	Wiper Motor	1
8	GA5054195	Indicator Stalk	1
9	GA5054665	Door Lock	1
10	GA5054180	Handle Exterior	1
11	GA5054285	A/C - Heater Control Unit	1
12	GA5054280	Sender Temperature	3
13	GA5054125	Side mirror glass	1
14	GA5054130	Cover Cap Mirror	1
15	GA5054120	Side mirror, Complete assembly	1
16	GA5054135	Handle Internal RHS	1
17	GA5054635	Locking Cylinder	1
18	GA5054206	Master Key	1
19	GA5054250	Rotary Knob, for light	3
20	GA5054270	Switch Insert, for Lighting Knob	3
21	GA5054210	Switch Light, LHS	1
22	GA5054215	Switch Light, Middle	1
23	GA5054095	Switch Light, RHS	1
24	GA4659380	Panhard rod, 655mm centres	1

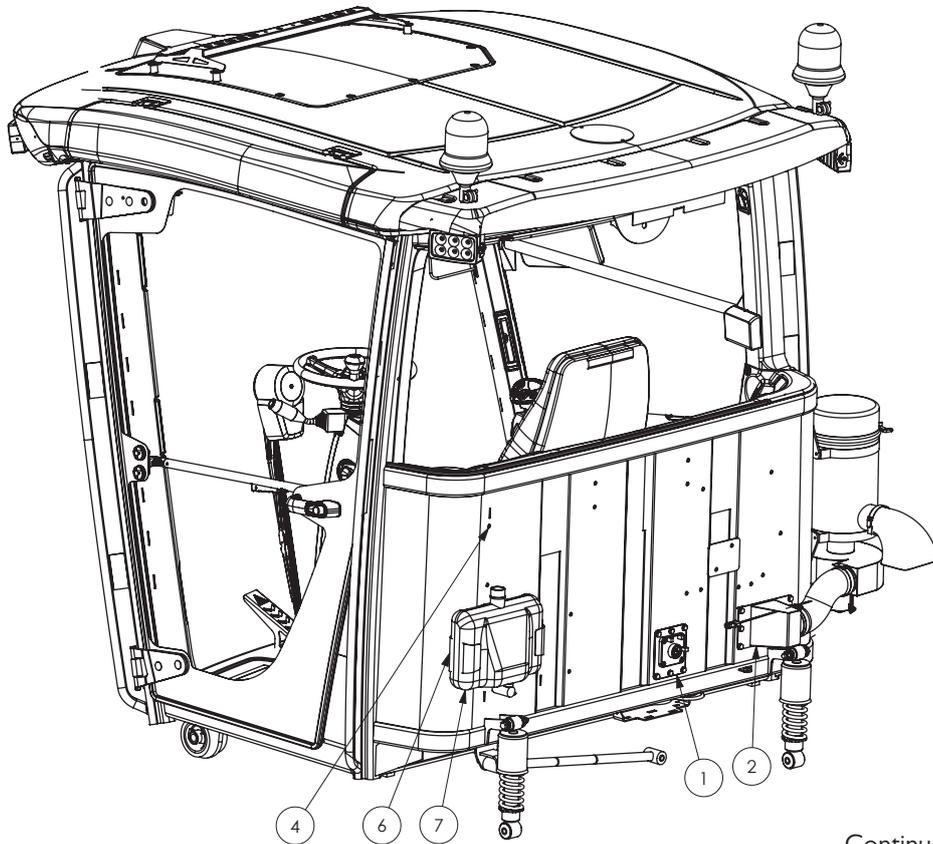
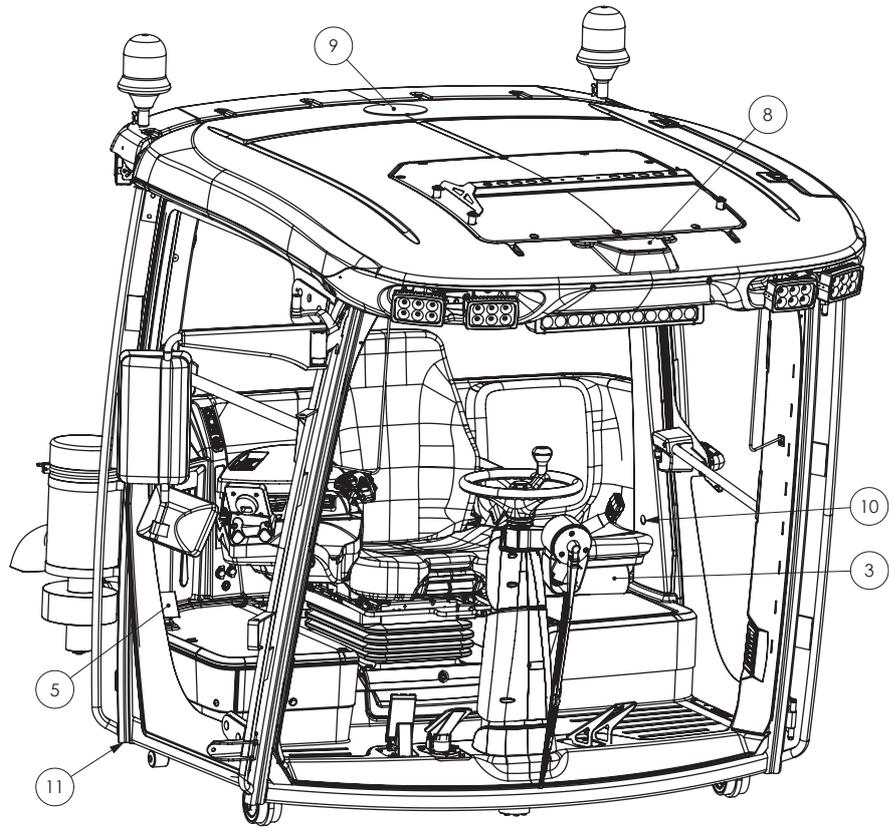
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## Cabin - Claas

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
25	GA5054535	Bearing bush, for Panhard rod	2
26	GA5065481	Glass, Claas cab, Rear	1
27	GA5065489	Glass, Front Windscreen, laminated	1
28	GA5065483	Glass, suit Claas cab, door right	1
29	GA5065484	Glass, suit Claas cab, door left	1
30	GA5054470	Sunshade Rear	1
31	GA5065463	Side blind, LH	1
32	GA5065462	Side blind, RH	1
33	GA5065461	Seal, suit Claas cab door	2
34	GA5070404	Cover Panel Fuse Box	1
35	GA5070330	Mirror, Convex, Lower, manual adjust - Not used	1
36	GA5054530	Cabin Roof	1
37	GA5054275	Fan Blower Assembly,	1
38	GA5054185	Evaporator coil	1
39	GA5054115	Heater Exchange / core	1
40	GA5054190	Expansion Valve	1
41	GA5011263	Bolt M12 x 90 ZP GR8.8	2
42	GA5000259	Bolt M12 x 100 ZP GR8.8	4
43	GA5012461	Nut M12 Nyloc ZP	6
44	GA5000577	Washer 12mm Flat SS HD	24
45	GA5055540	Gas Strut, Steering Column Lower	1
46	GA5075270	Mirror Bracket, Adjustable	1
47	GA5066805	Roof Panel, Rear Roof, Plastic	1
	GA5071950	Roof Support Panel, Rear Roof, Steel	1
48	GA5054255	Antenna Aerial Radio AM FM GME with Base and Lead	1
49	GA5054265	Aerial, UHF, AE409L GME (includes Base & Lead)	1
50	GA5001531	Bolt M20 x 150 GR8.8 ZP	2
51	GA5001741	Washer 20mm Flat SS HD	4

# Cabin - Assembled

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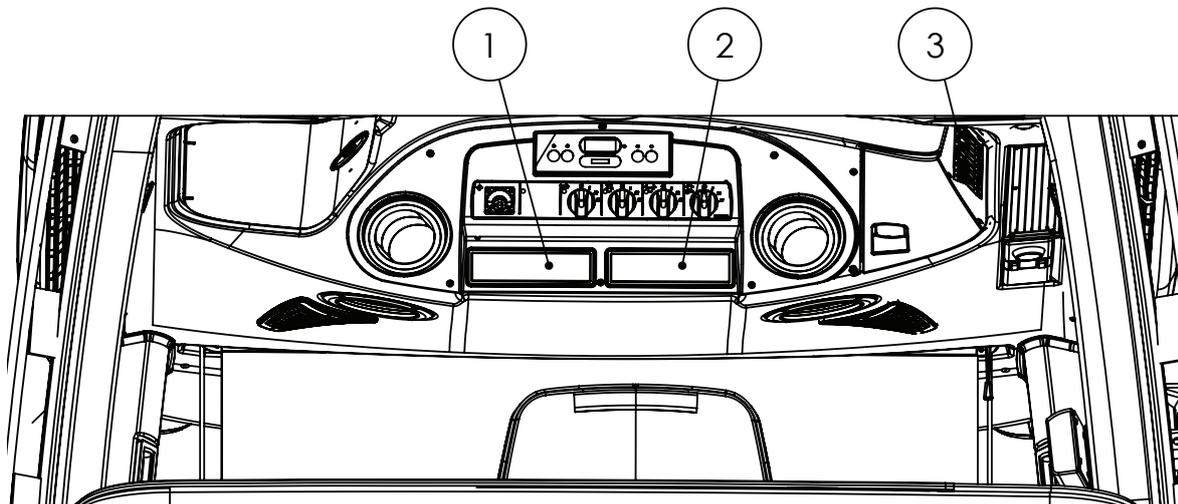
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## Cabin - Assembled

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	GA4536285	Cover Plate Back of SP Cabin Small	1
1	*	ISOBUS Raven Plug	1
	*	ISOBUS John Deere Plug	1
2	GA4658850	Carbon Filter Air Intake	1
3	GA5007099	Extinguisher, Fire B&E Flameguard 1Kg ABE	1
4	GA5017909	Xmas Tree Clip, Black, 16mm Head, 27mm Length	17
5	GA4504390	Cover plate, Access port, Right side door jam	1
6	GA4505035	Mounting Bracket Washer Bottle	1
7	GA5070785	Windscreen Washer Bottle 5.8L	1
	GA5012199	Grommet, 29mm OD, Neoprene	1
8	GA4503820	Plate Receiver Mount Rear Claas Cabin	1
9	GA4503815	Plate Receiver Mount Front Claas Cabin	1
10	GA5054170	Cover Cap for screws	1
11	GA5069905	Fitting Brass 5/8" - 5/8" straight hose barb (Heater hose joiner)	2
-	GA4504105	Plate, Round, Aluminium, Steering Wheel Centre	1
-	GA5011465	Bolt M8 x 16 ZP GR8.8	16
-	GA5003643	Washer 8mm Flat SS HD	16

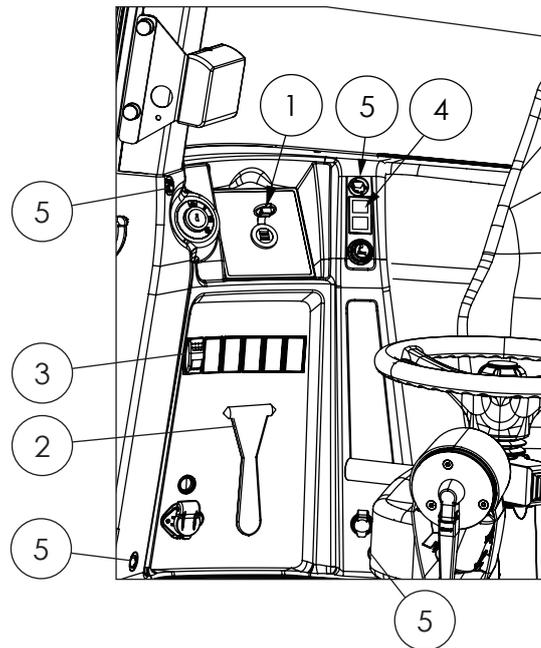
\* Sub-assembly on following pages

## Cabin - Overhead Components



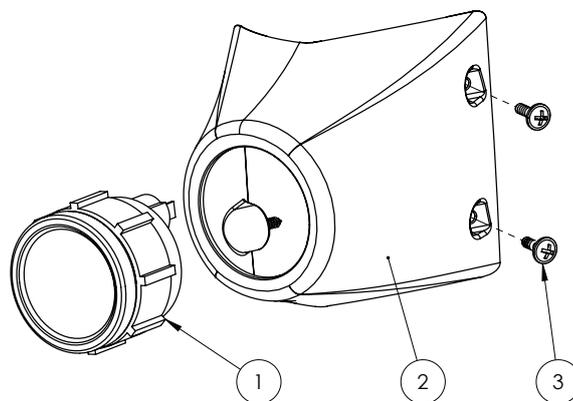
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5017409	Audio head unit, CD/MP3/WMA AM/FM Radio, Bluetooth, iPod Control & Remote	1
2	GA5017131	UHF 477 MHz CB radio, DIN size	1
3	GA5069290	SWF switch ON/OFF 12v	1
	GA5069277	SWF switch insert, Beacon	1

## Cabin - Right Corner Panel



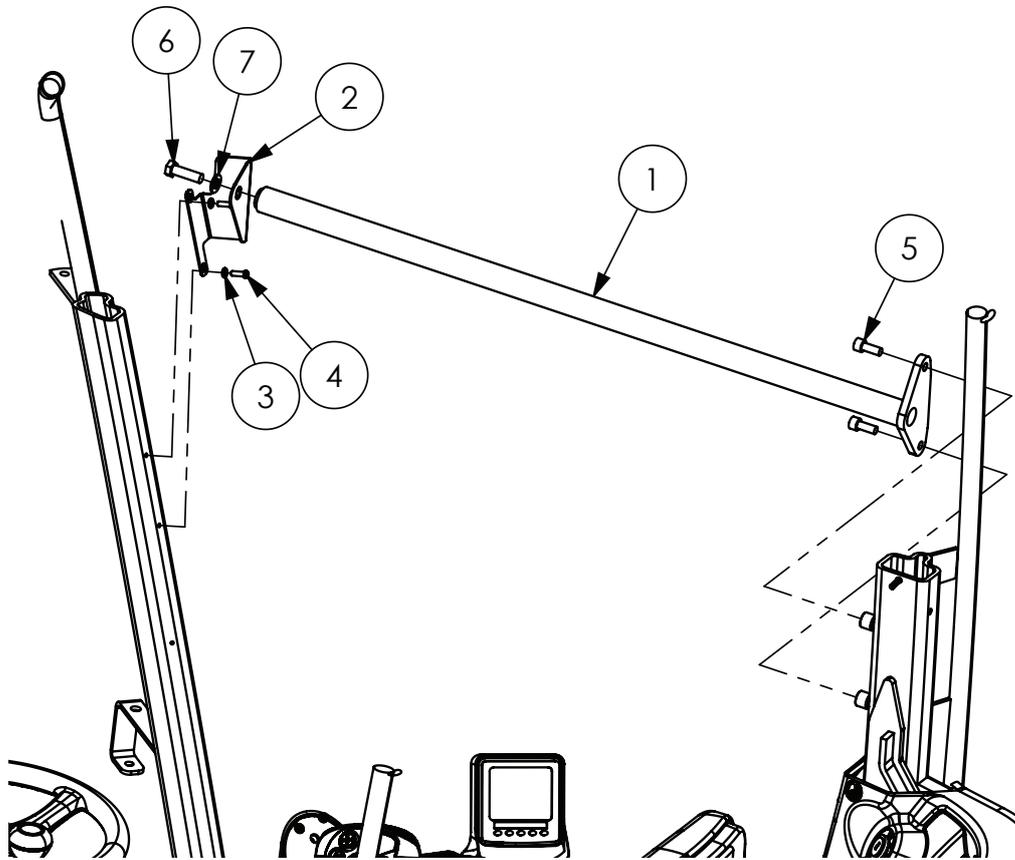
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3000084	Auxiliary Power Socket, Dual USB	1
2	GA5053425	Emergency Exit Hammer	1
3	GA5069290	SWF switch ON/OFF 12v	1
	GA5069276	SWF switch insert, Fan	1
	GA5069295	SWF Dual warning lamp 12v	1
4	GA5069285	SWF switch insert, Pneumatic suspension	1
	GA5069275	SWF switch insert, Park brake	1
5	GA5054170	Cover Cap for screws	4

## Fuel Gauge



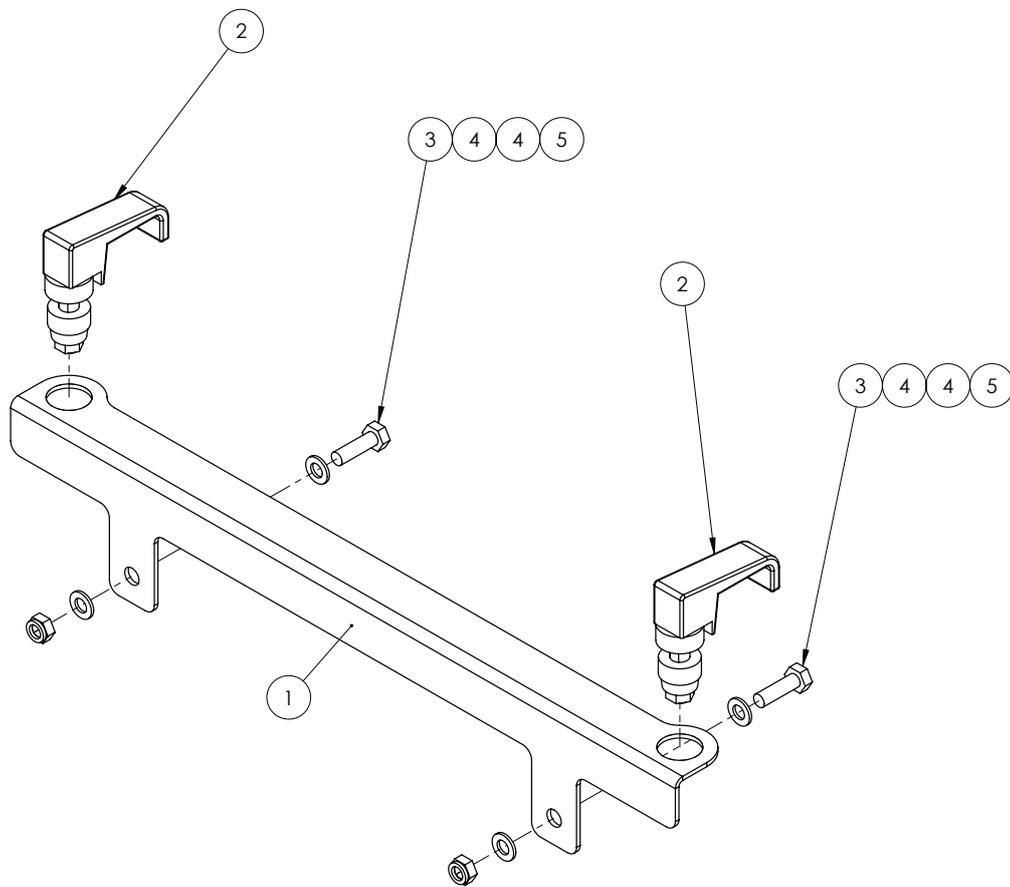
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5069037	Fuel gauge, COBO	1
2	GA5072515	Fuel Gauge Mount, suit Claas Cabin RH Pillar	1
3	GA5054395	Screw Mushroom Head 4.2 x 16mm Black Self Tapper	4

# GPS Accessories Bar



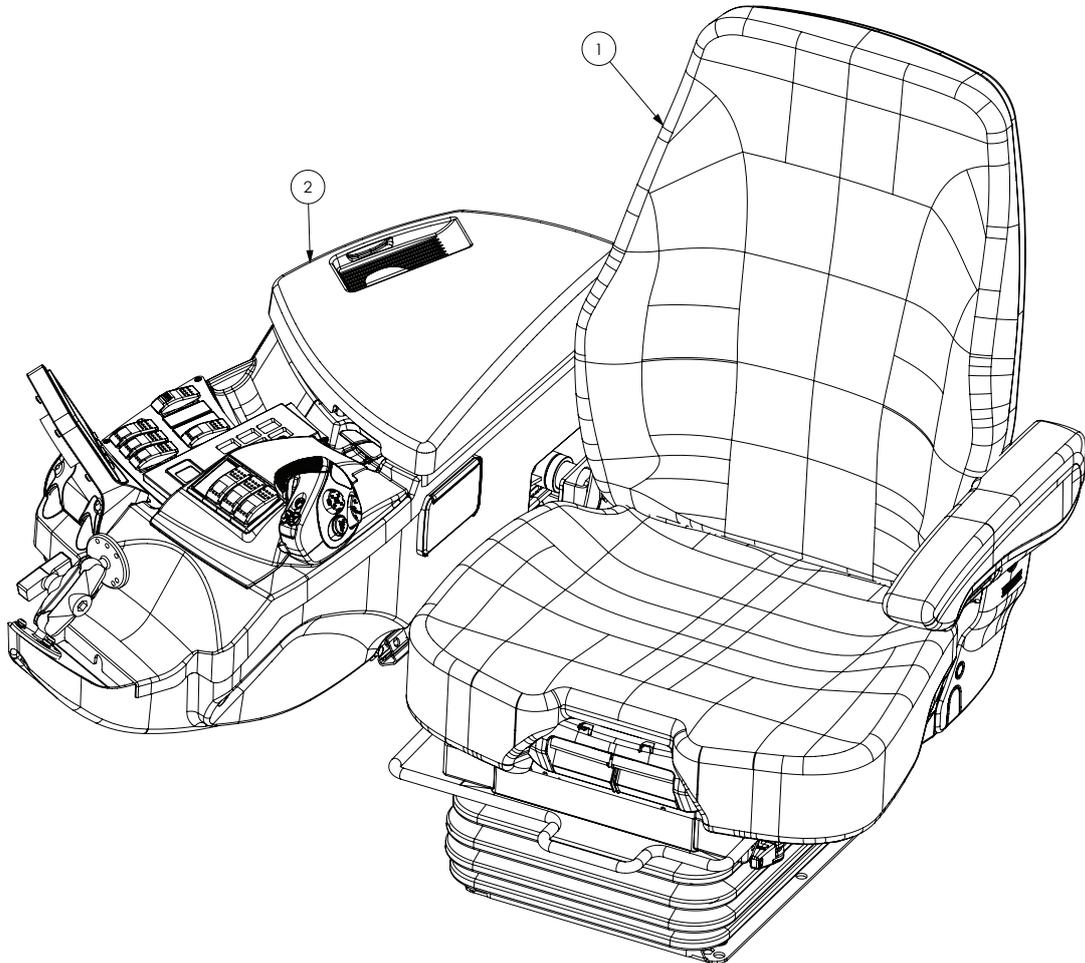
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4660680	Accessory Rail Bar, Straight, Cabin	1
2	GA4509450	Plate, Bent, Console Rail Mount Front, Claas Cabin	1
3	GA5004437	Washer 6mm Flat SS	2
4	GA5004053	BHCS M6 x 20 SS	2
5	GA5071085	SHCS M10 x 25 ZP GR12.9	2
6	GA5000319	Set Screw M12 x 40 ZP GR8.8	1
7	GA5000577	Washer 12mm Flat SS HD	1

## Fuse Box Cover Mount



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4402220	Plate, fuse box lid mount suit claas cabin	1
2	GA5066600	Rawl action latch suit Advance pod door	2
3	GA5004065	Bolt M6 x 20 GR8.8 ZP	2
4	GA5004437	Washer 6mm Flat SS	4
5	GA5048115	Nut M6 Nyloc ZP	2

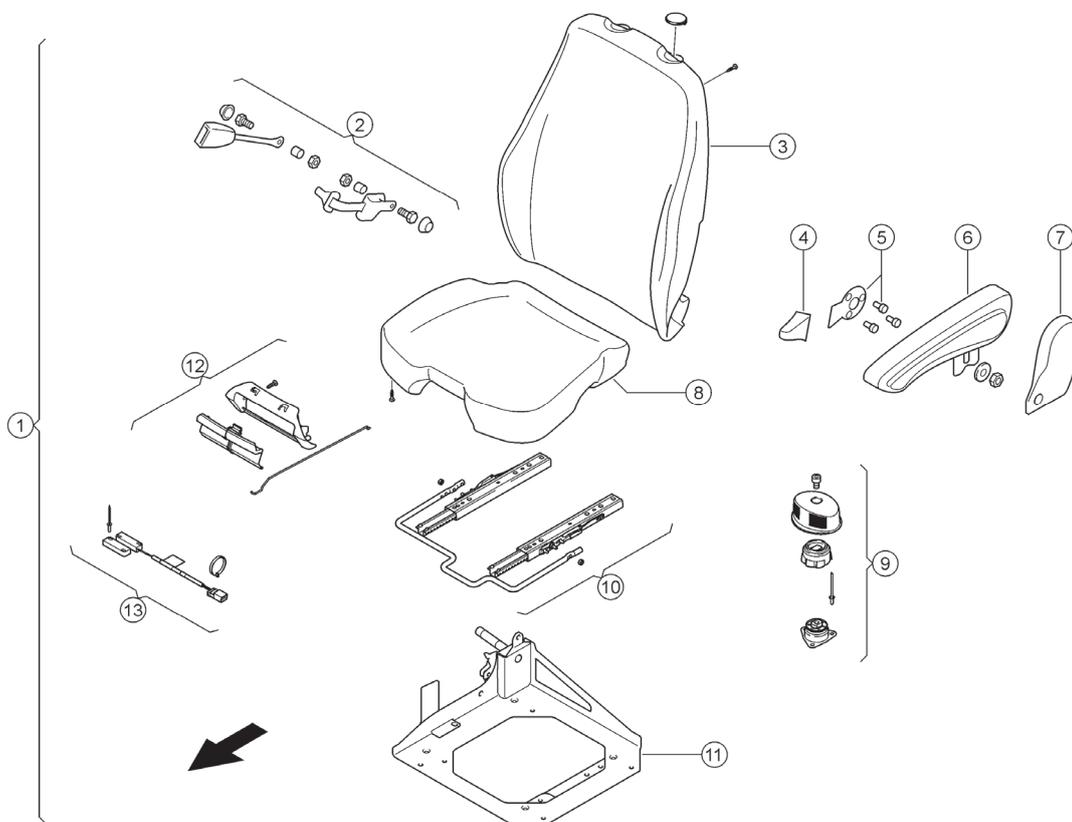
# Seat & Console



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5071930	Seat Cover, Driver and Training Seat, Suit Claas Seat	-
1	GA5070385*	Claas Cabin Seat Assembly with Air Suspension	1
2	*	Claas Console	1

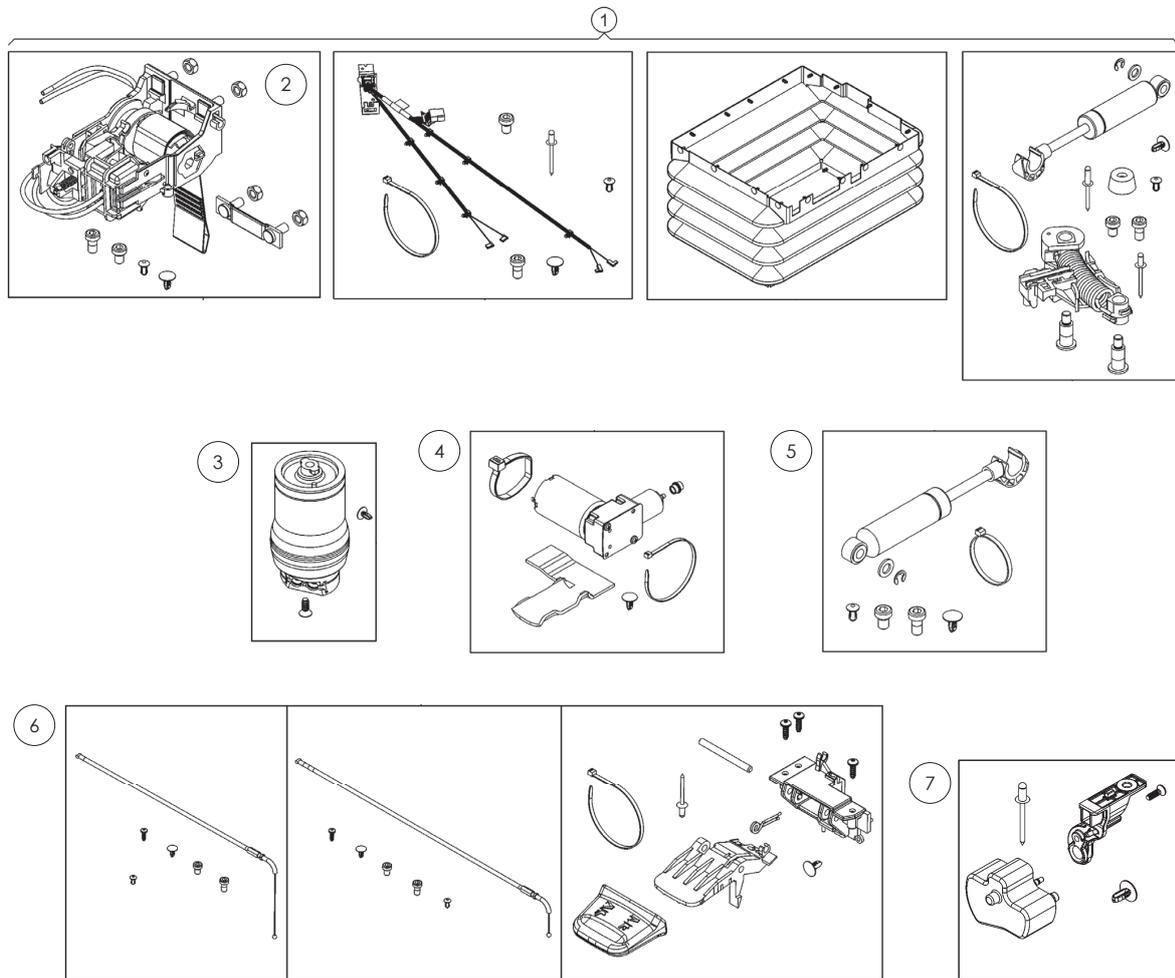
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## Seat - Upper Section



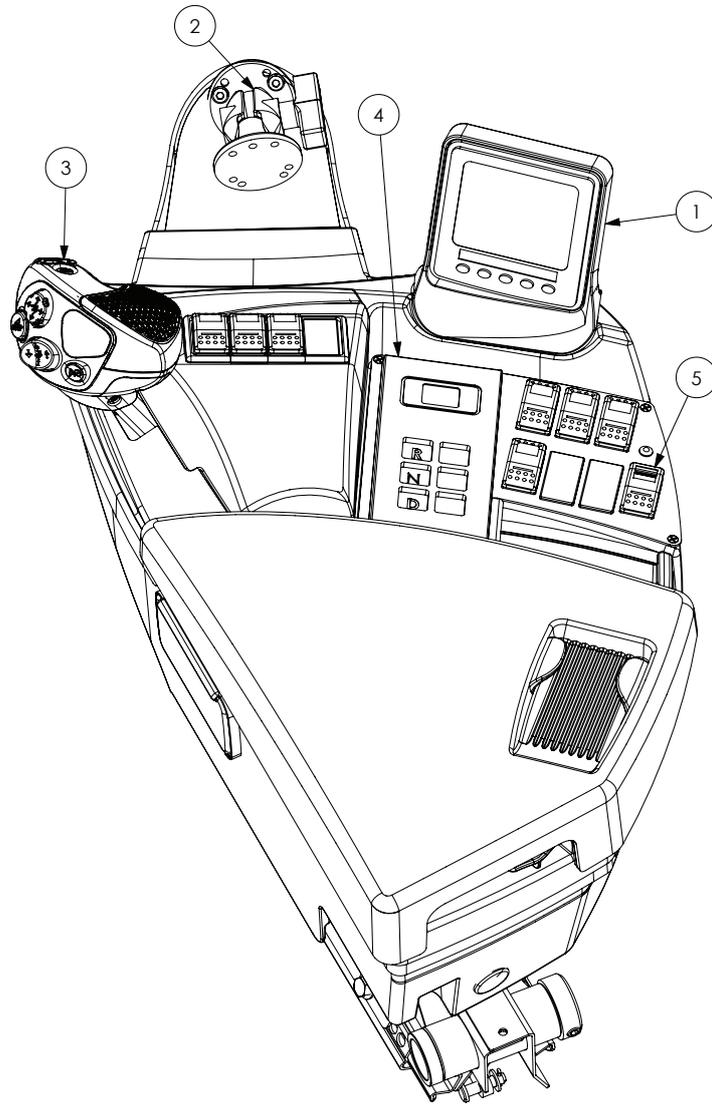
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	-	Seat assembly, no suspension	-
2	GA5078556	Seat belt buckle	1
3	-	Seat back	1
4	-	Seat back adjustment handle	1
5	-	Seat back adapter plate	1
6	-	Arm rest	1
7	-	Arm rest cover	1
8	-	Seat base	1
9	-	Lever	1
10	-	Seat rail sliders	1
11	-	Seat base adapter	1
12	GA5078557	Handle, front adjustment	1
13	GA5078558	Seat switch	1

# Seat - Lower Section



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078559	Suspension kit - Includes item 2	1
2	GA5078560	Level control mechanism	1
3	GA5078561	Air spring	1
4	GA5078562	Air compressor	1
5	GA5078563	Shock absorber	1
6	GA5078564	Swivel handle kit	1
7	GA5078565	Air outlet panel	1

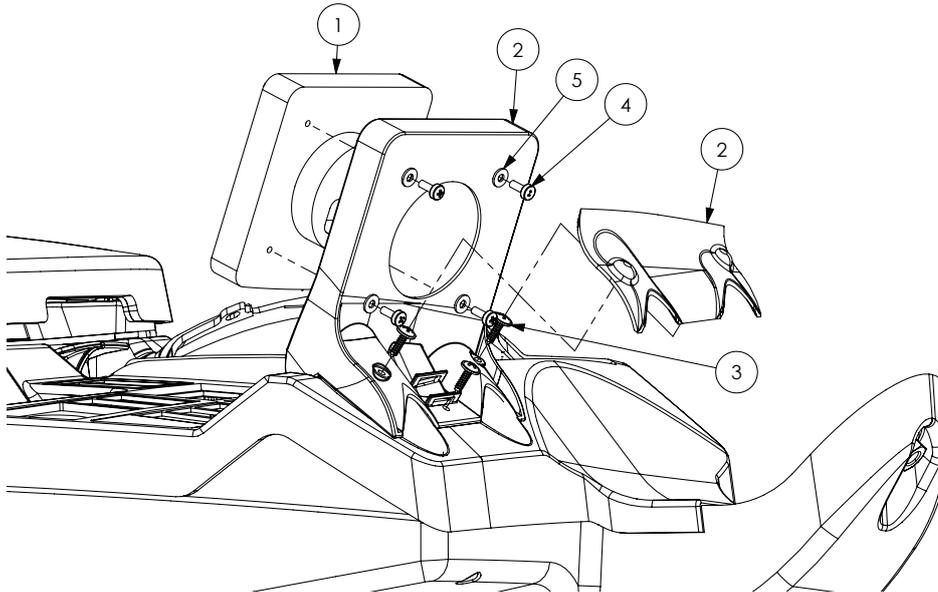
# Claas Console



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	*	CANTRAK Assembly	-
2	*	Ram Mount Assembly	-
3	*	G Motion Joystick Assembly	-
4	*	Gear Selector Assembly	-
5	*	Switch Panel Assembly	-

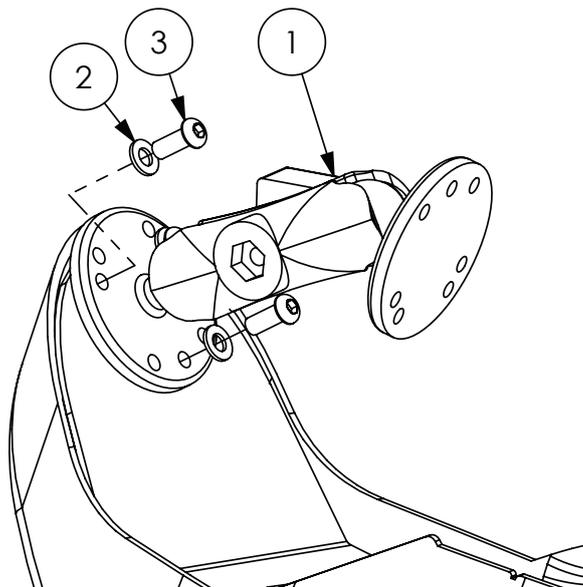
\* Sub-assembly on following pages

## CANTRAK Assembly



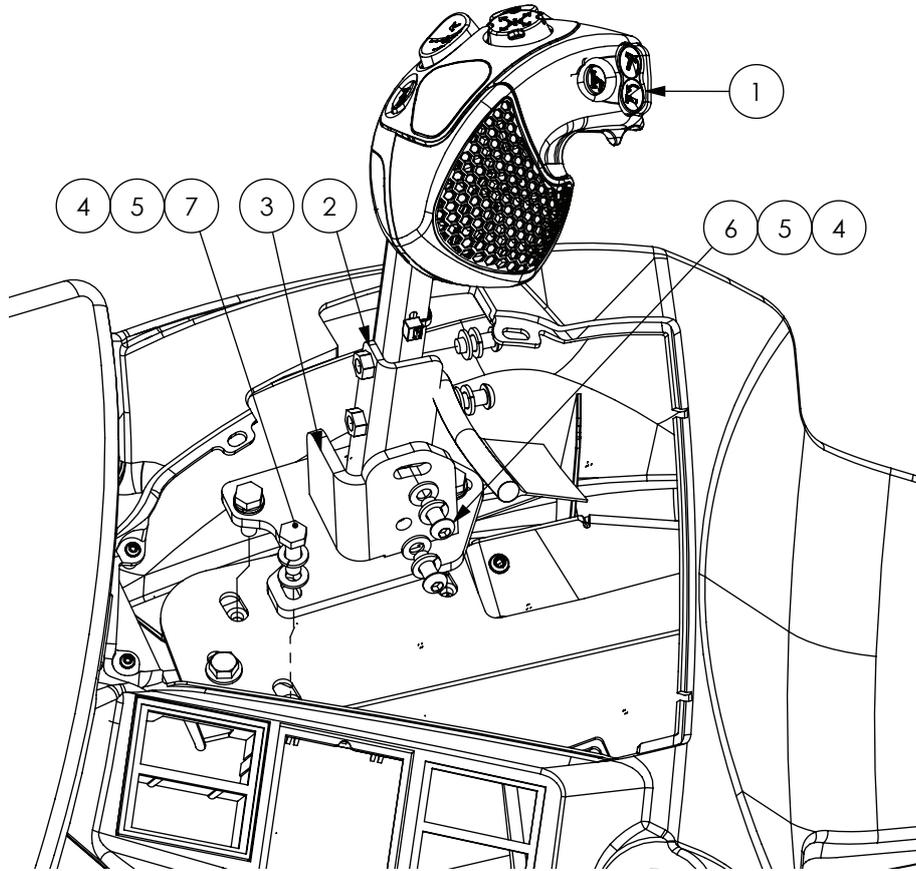
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5066210	Engine monitor, CANtrak, Kantrak, 2700, IP 67, 3.8"	1
2	GA5072065	Monitor Mount, CANTRAK, Claas Console	1
3	GA5054395	Screw Mushroom Head 4.2 x 16mm Black Self Tapper	3
4	GA5011360	Bolt M4 x 10 Pan Head SS	4
5	GA5020510	Washer 4mm Flat SS	4

## Ram Mount Assembly



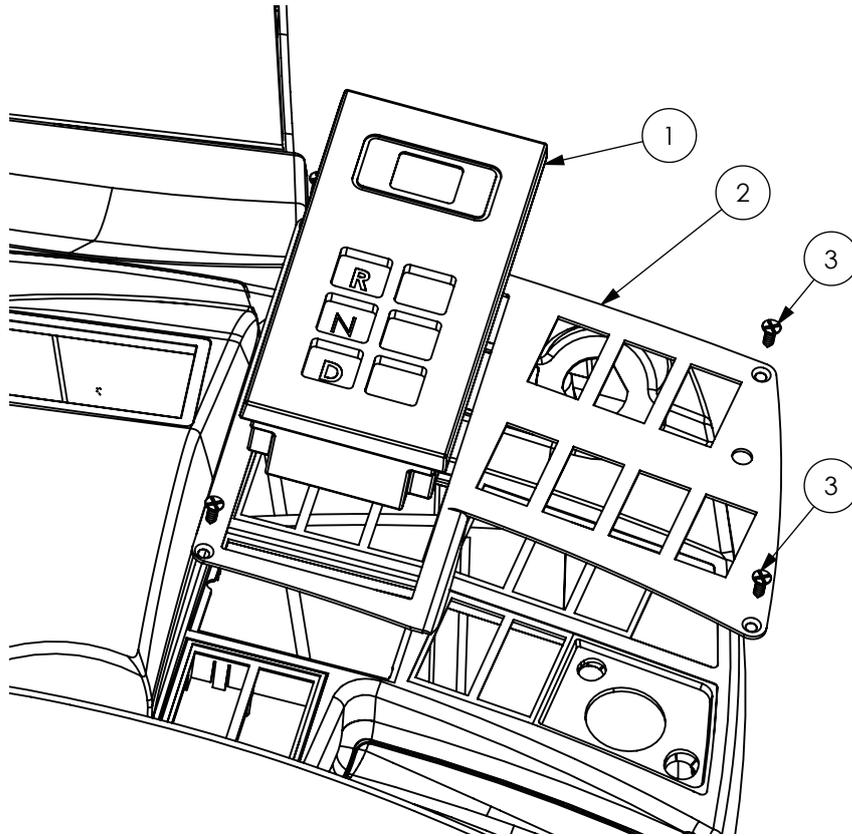
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5020825	RAM Mount, Universal, Adjustable kit I01U	1
2	GA5004437	Washer 6mm Flat SS	3
3	GA5004050	BHCS M6 x 16 SS GR8.8	3

# G Motion Joystick Assembly



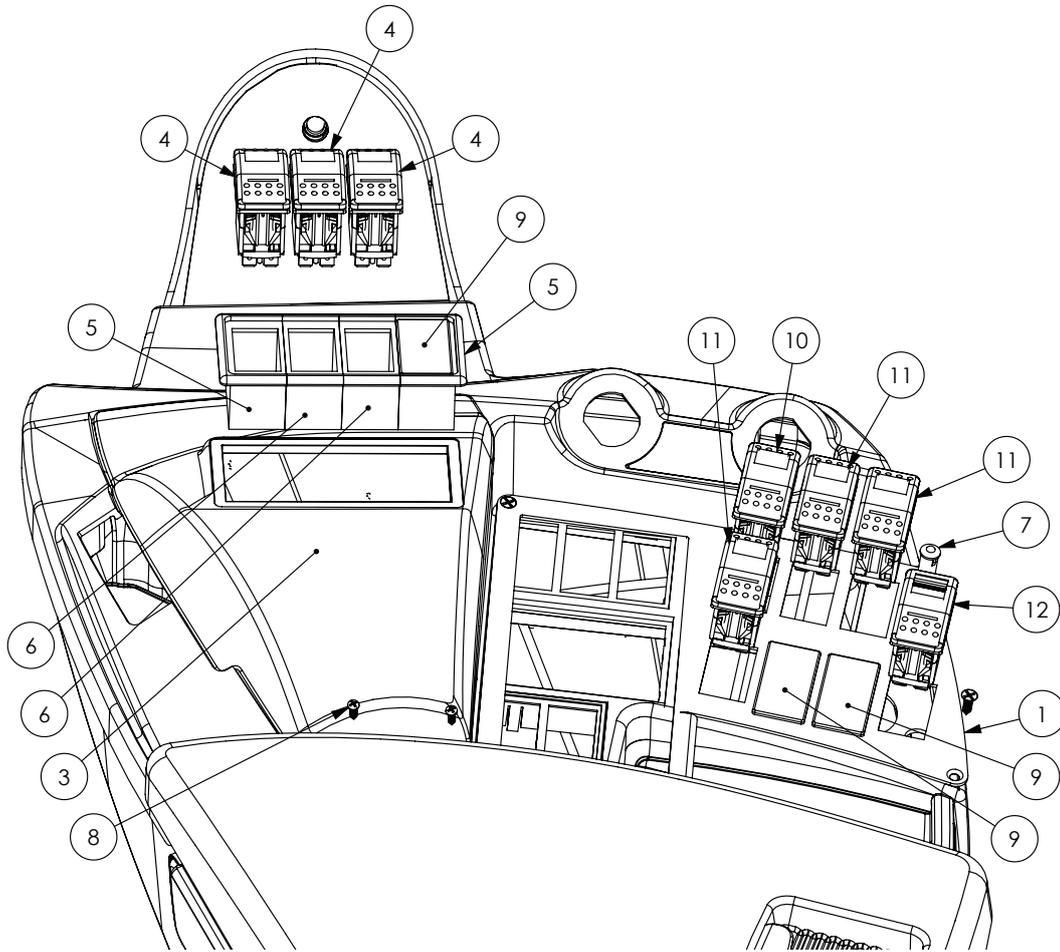
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3000071	Joystick, multi function, ergonomic, Claas	1
2	GA4660660	Mount Bracket, Angle Adjuster, Claas Joystick	1
3	GA4660655	Mount Bracket, Base, Claas Joystick	1
4	GA5004437	Washer 6mm Flat SS	7
5	GA5004447	Washer, 6mm, Spring, SS	7
6	GA5004050	BHCS M6 x 16 SS GR8.8	4
7	GA5004065	Bolt M6 x 20 ZP GR8.8	3

## Gear Selector Assembly



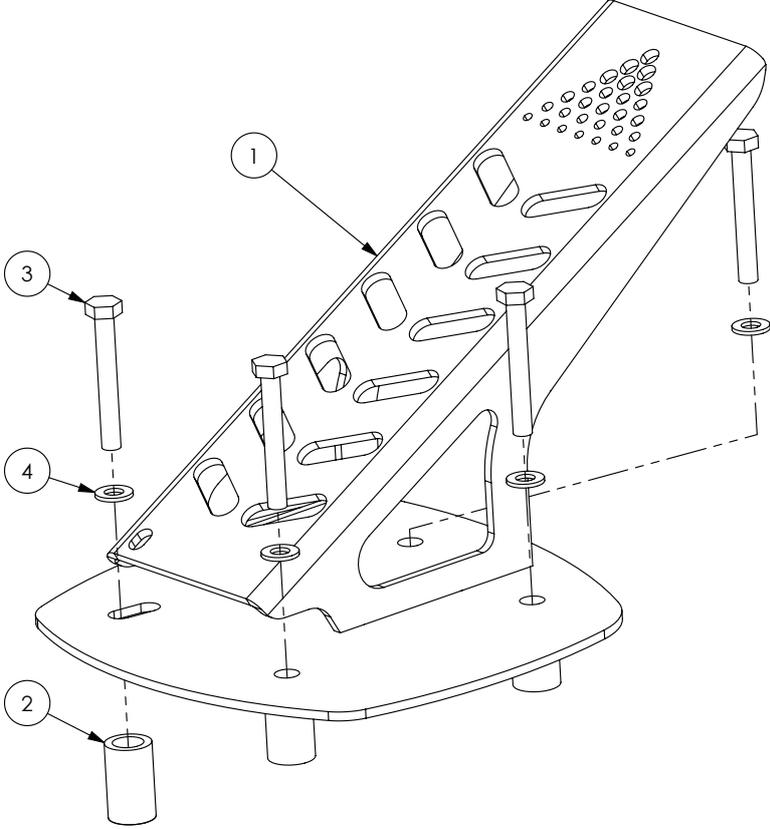
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3000076	Push button gear selector controller, programmed, Arens	1
2	GA4504630	Plate, Gear Selector Switch Mount	1
3	GA0500019	Screw, 8G x 1/2", Self Tapping, Countersunk Phillips, Black	4

# Switch Panel Assembly



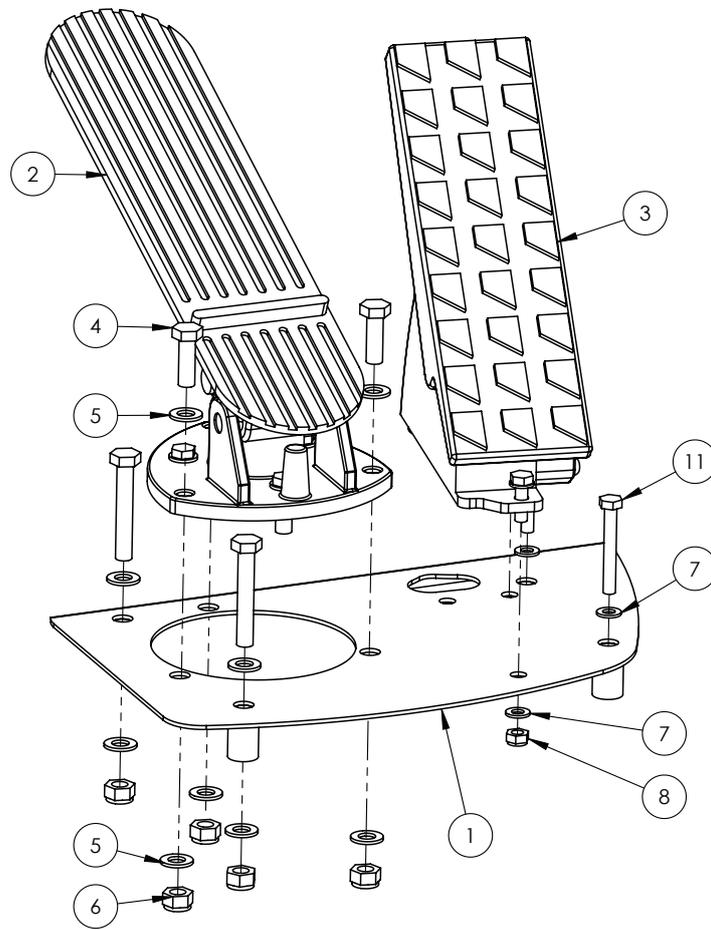
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4504630	Plate, Gear Selector Switch Mount	1
2	GA0500019	Screw, 8G x 1/2", Self Tapping, Countersunk Phillips, Black	4
3	GA5072140	Switch Panel, Side Console, G5 G6 G8, Claas Console	1
4	GA5071507	Switch, Rocker, (On) / Off / (On) momentary, DPDT, Blue LED 12v	3
5	GA5006397	Mounting bracket, Rocker, End switch	2
6	GA5006387	Mounting bracket, Rocker switch, Centre	2
7	GA3000074	Light, LED Pilot Lamp, Red	1
8	GA0500023	Screw, 4G x 1/2", Self Tapping, Phillips Head, SS	2
9	GA5006421	Carling Switch Blank Hole Panel Plug (black)	3
10	GA5071506	Switch, Rocker, On / Off / On DPDT, Blue LED 12v	1
11	GA5071505	Switch, Rocker, On / On DPDT, Blue LED 12v	3
12	GA5071508	Switch, Rocker, On / On DPDT, Locking, Orange LED 12v	1

# Left Foot Rest



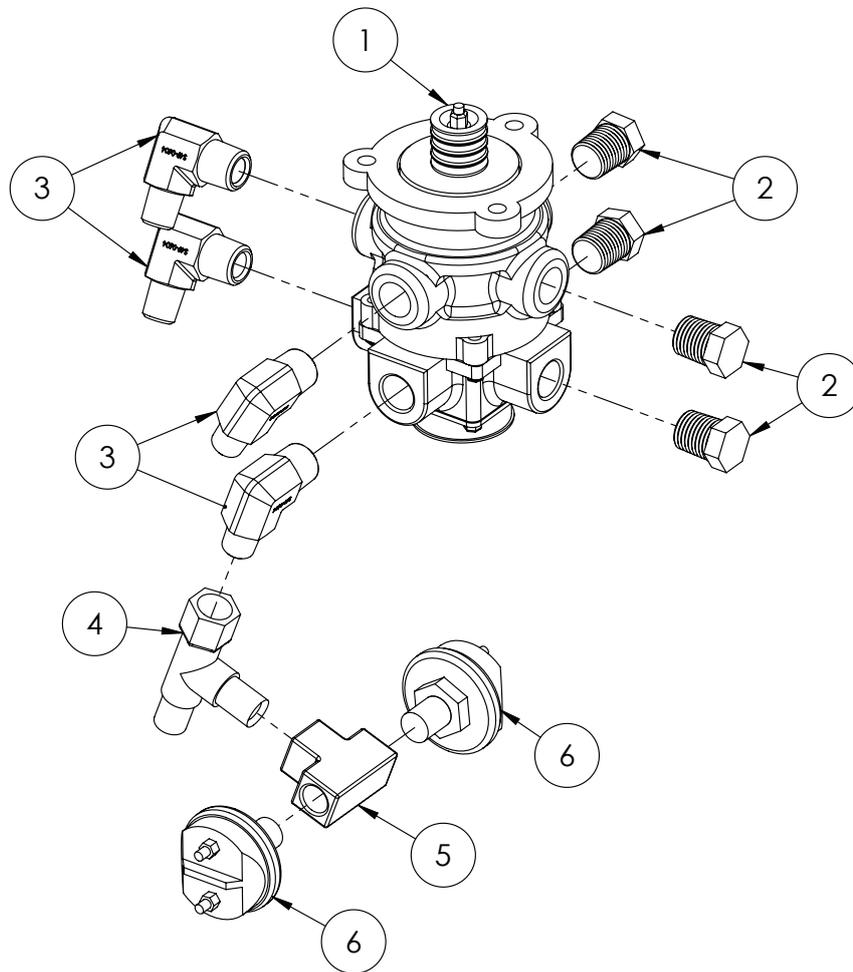
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658680	Cabin Left Foot Rest	1
2	GA4583150	Crush Tube, 15 OD x 10 ID x 25mm long	1
3	GA5004081	Bolt M6 x 40 GR8.8 ZP	3
4	GA5004437	Washer 6mm Flat SS	3

# Pedal Assembly



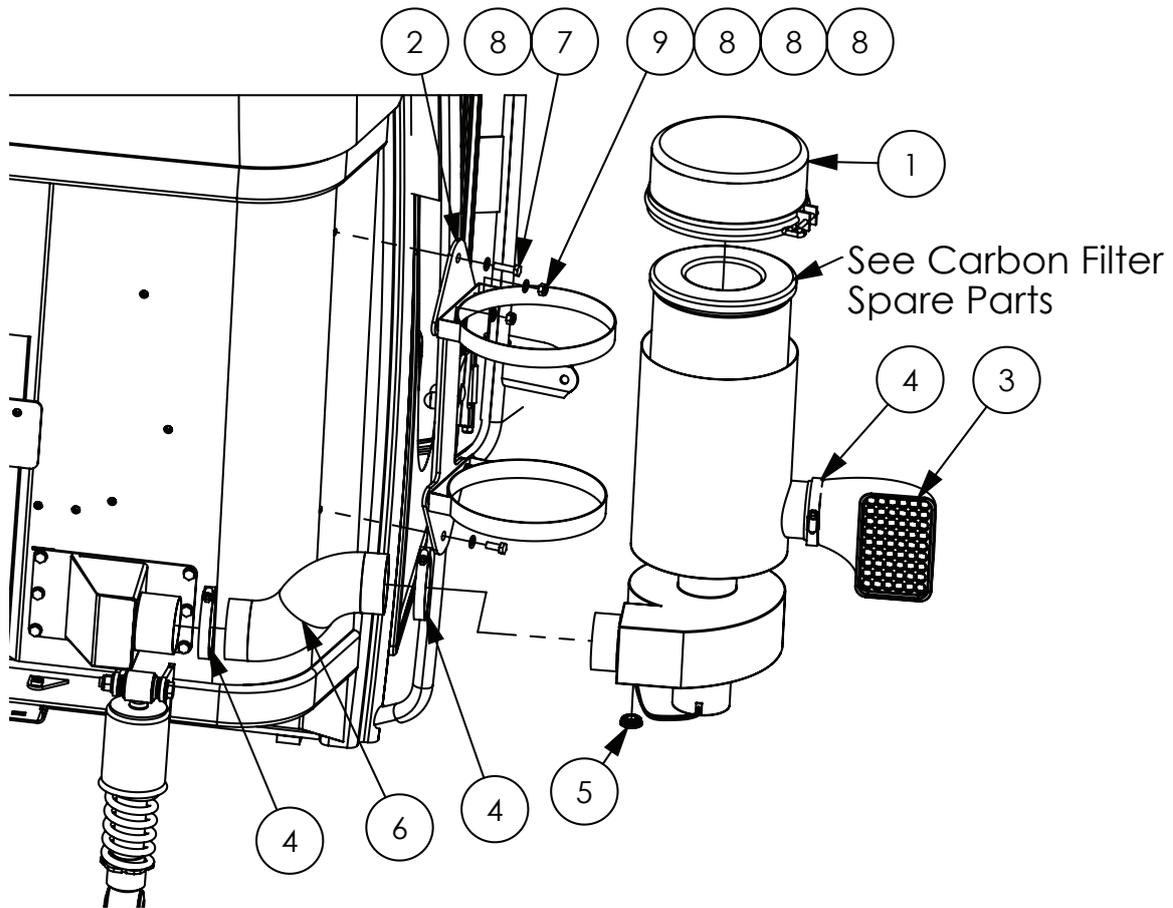
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658681	Brake throttle pedal mount	1
2	GA5016965	Treadle assembly, Brake Pedal, air	1
3	GA5065460	Throttle Pedal Electronic, with idle validation	1
4	GA5004711	Bolt M8 x 25 ZP GR8.8	3
5	GA5003643	Washer 8mm Flat SS HD	10
6	GA5004917	Nut M8 Nyloc ZP	5
7	GA5004437	Washer 6mm Flat SS	8
8	GA5048115	Nut M6 Nyloc ZP	3
9	GA5004065	Bolt M6 x 20 ZP GR8.8	3
10	GA5004727	Bolt M8 x 50 ZP GR8.8	2
11	GA5004081	Bolt M6 x 40 GR8.8 ZP	2

# Pneumatic Foot Valve



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5005769	Basic Foot Valve, Dual Circuit	1
2	GA5002575	Plug, 3/8" NPT male taper, brass	4
3	GA3500259	Hydraulic adaptor, Elbow, 90 degree, 3/8" BSPT male x 1/4" BSPT male	4
4	GA3500199	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPP female	1
5	GA5048300	Tee, 1/4" female thread x 1/4" female thread x 1/4" female thread, Brass	1
6	GA5016081	Pressure switch, Stop light, 3-5 PSI actuation, Normally open, SPST, 1/4"	2

## Cabin - Carbon Filter



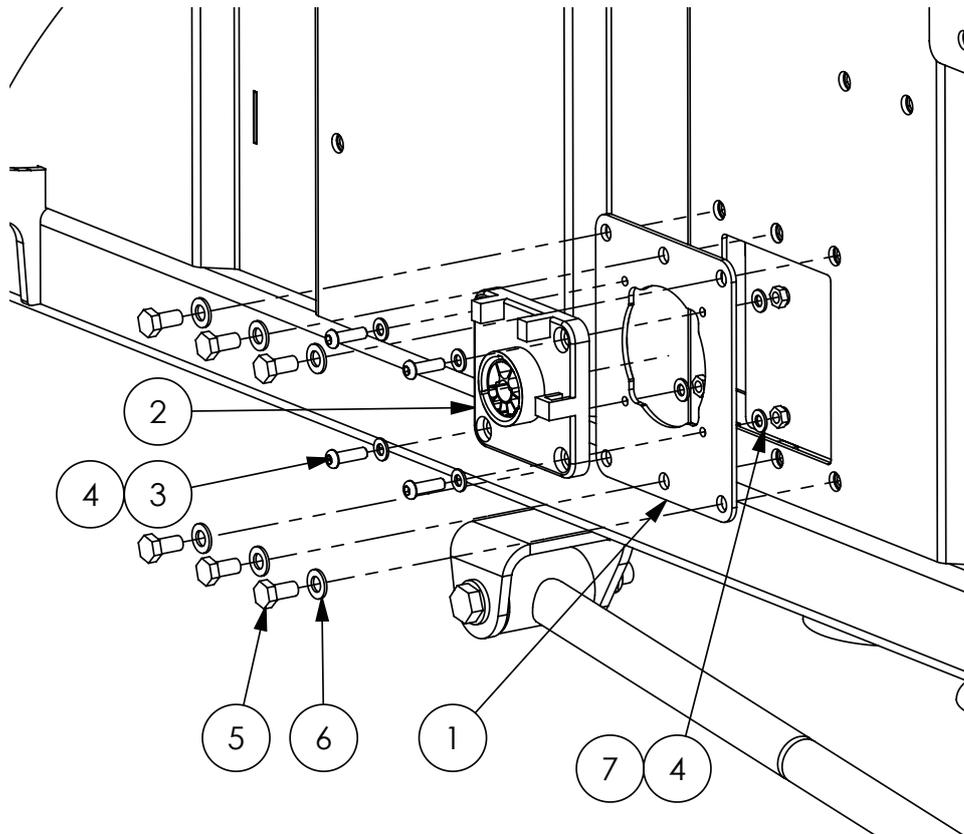
### CARBON FILTER SERVICE PART

PART NUMBER	DESCRIPTION
GA5066740	Carbon filter, Replacement insert suit Donaldson

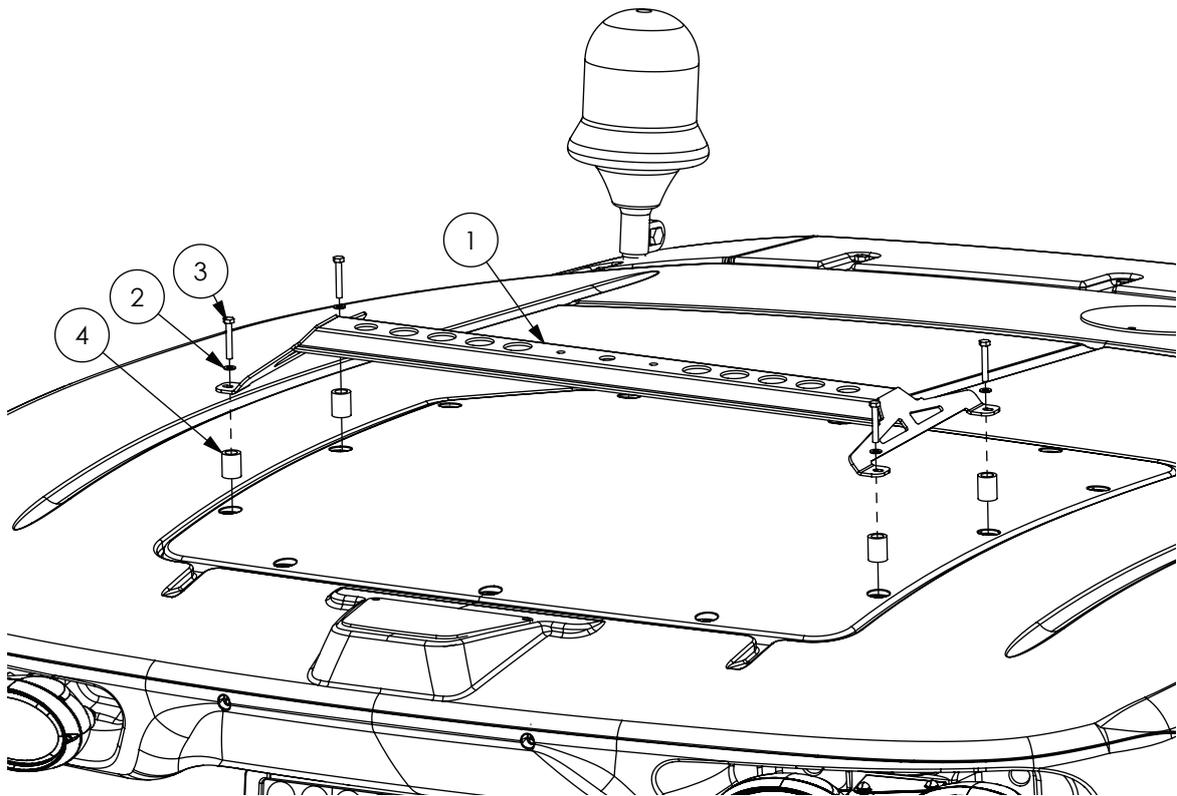
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5066741	Carbon filter, External mount, 12V, Ultraguard	1
2	GA4658845	Carbon Filter Mounting Bracket	1
3	GA5002179	Air Ram 3 inlet	1
4	GA5004241	Hose Clamp 60-80mm (3 1/2") SS	3
5	GA5012199	Neop Grommet 29mm OD	1
6	GA5016849	Duct 3" TPRDS - (Cut to 300 mm)	1
7	GA5004085	Bolt M8 x 20 ZP GR8.8	2
8	GA5003643	Washer 8mm Flat SS HD	14
9	GA5004917	Nut M8 Nyloc ZP	4

# ISOBUS Raven Plug



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4509350	Plate, Iso Connector Mount, Cabin Rear, Crop Cruiser	1
2	-	ISOBUS Raven Plug Mount	1
3	GA5004053	BHCS M6 x 20 SS	4
4	GA5004437	Washer 6mm Flat SS	8
5	GA5011465	Bolt M8 x 16 GR8.8 ZP	6
6	GA5003651	Washer 8mm Flat SS	6
7	GA5004429	Nut M6 Nyloc SS	4

# John Deere Roof Mount



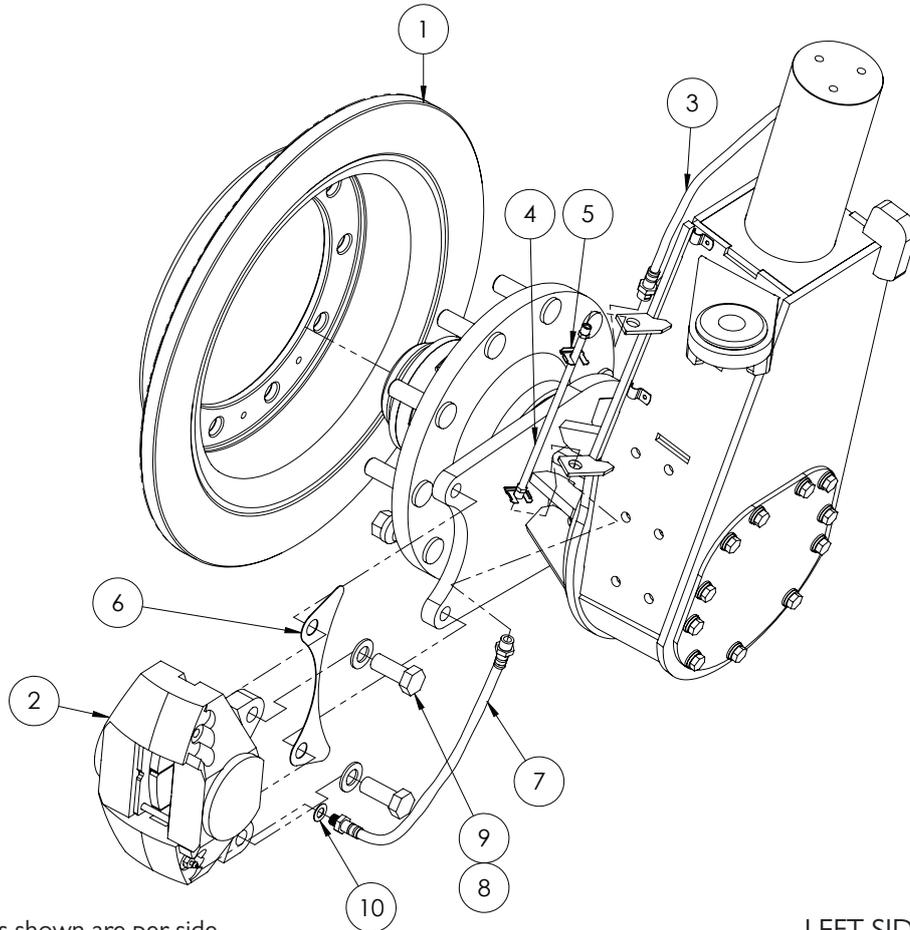
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4660140	Receiver Mount Universal John Deere	1
2	GA5004437	Washer 6mm Flat SS	4
3	GA5004081	Bolt M6 x 40 ZP GR8.8	4
4	GA4552075	Crush tube, 10.2 ID x 15 OD x 15 mm long	4



# Chapter 23

## BRAKES

### Brakes - Front

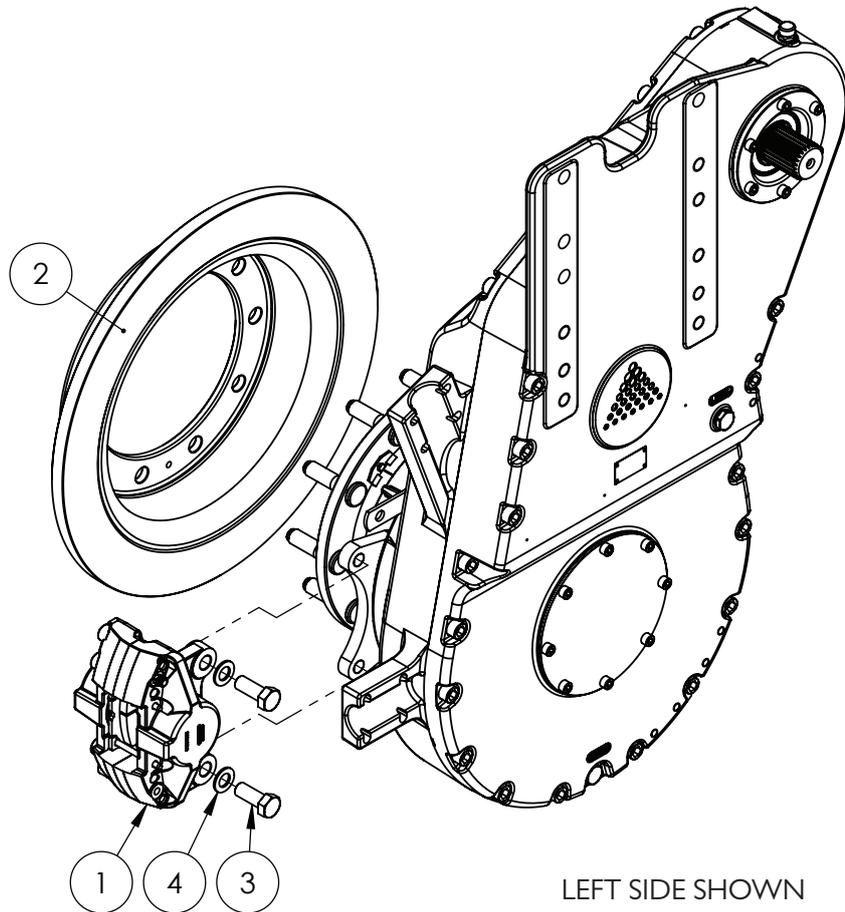


# Quantities shown are per side.

LEFT SIDE SHOWN

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5051440	Seal kit, suit Stilfreni brake caliper, 1 set	-
1	GA5070065	Brake Disc Rotor, Cast	1
2	GA5016069	Stilfreni brake caliper	1
3	GA5070065	Brake Disc Rotor, Cast, 335mm PCD, 600mm OD, 282mm Centre Bore, Crop Cruiser MY11 On, Super Cruiser, MY08 - MY10	1
4	GA4912496	Brake line, Drop leg, Front, 2wd, Crop Cruiser	1
5	GA5010359	Clip for brake hose	2
6	JCB-CALIPER-SHIM	JCBcaliper shim 1mm FMS 5/9/03	1
7	GA5011093	Lower brake Hose, Steel line to caliper, 470mm long Self propelled	1
8	GA5001741	Washer M20 Flat SS HD	3
9	GA5001515	Set Screw M20 x 1.5P x 50 GR8.8 ZP	2
10	GA5007475	Washer M12x22mm Copper	1

## Brakes - Rear



# Quantities shown are per side.

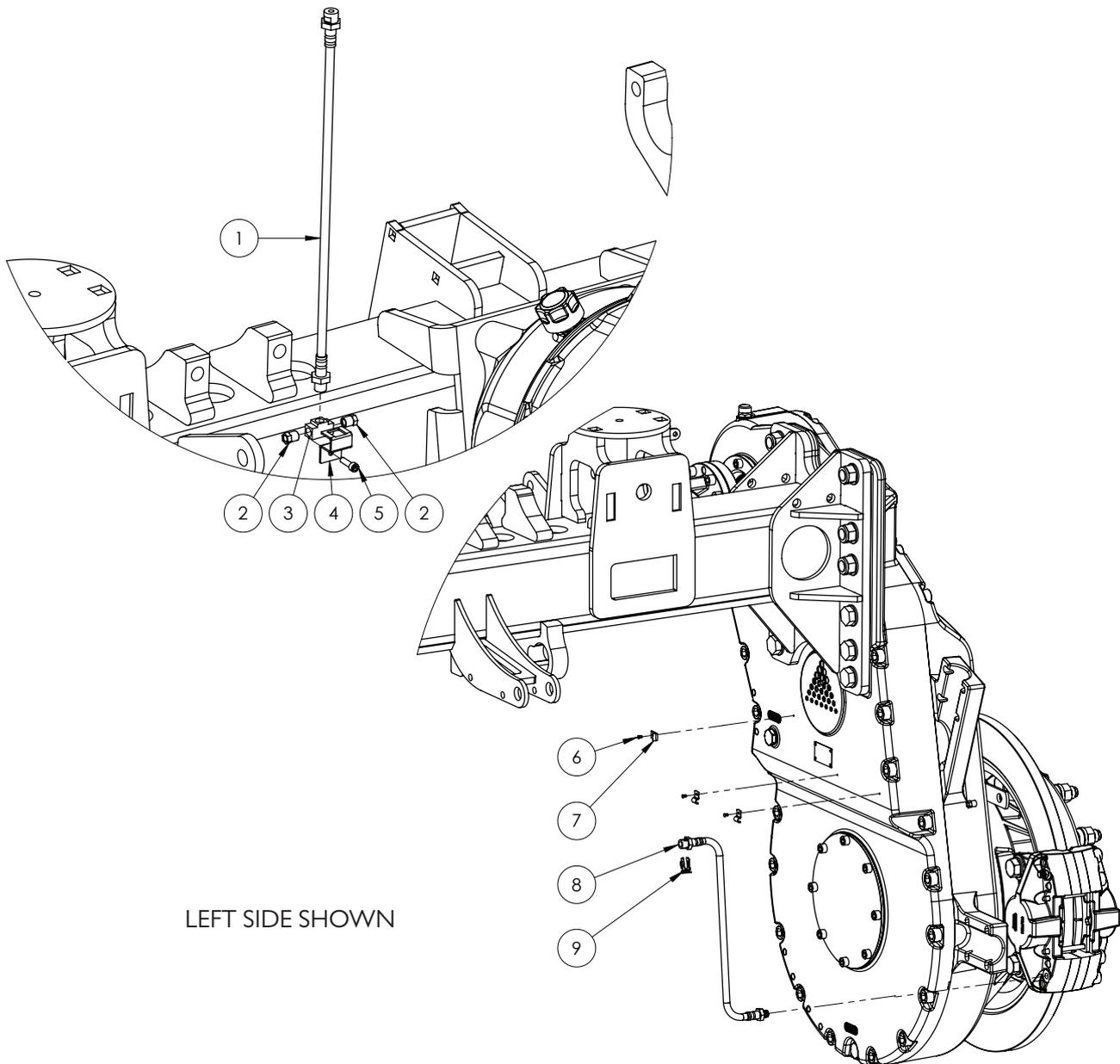
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5051440	Seal kit, suit Stilfreni brake caliper, 1 set	-
-	JCB-Caliper-shim	JCB caliper shim 1mm	-
1	GA5016069	Stilfreni brake caliper	1
2	GA5070065	Brake Disc Rotor, Cast	1
3	GA5001515	Set Screw M20 x 1.5P x 50 GR8.8 ZP	2
4	GA5001741	Washer 20mm Flat SS HD	2

## Brakes - Service Parts - Front & Rear

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PART NUMBER	DESCRIPTION
GA5006305	Brake pads, Suit JCB & Stilfreni caliper, 2 pads = 1 set
GA5051430	Pin kit, suit Stilfreni caliper (1 set)
GA5051435	Piston kit, suit Stilfreni caliper (1 set)
GA5051440	Seal kit, Suit Stilfreni brake caliper (1 set)
GA5055645	Brake pad backing, anti squeal, self adhesive, pack of 4

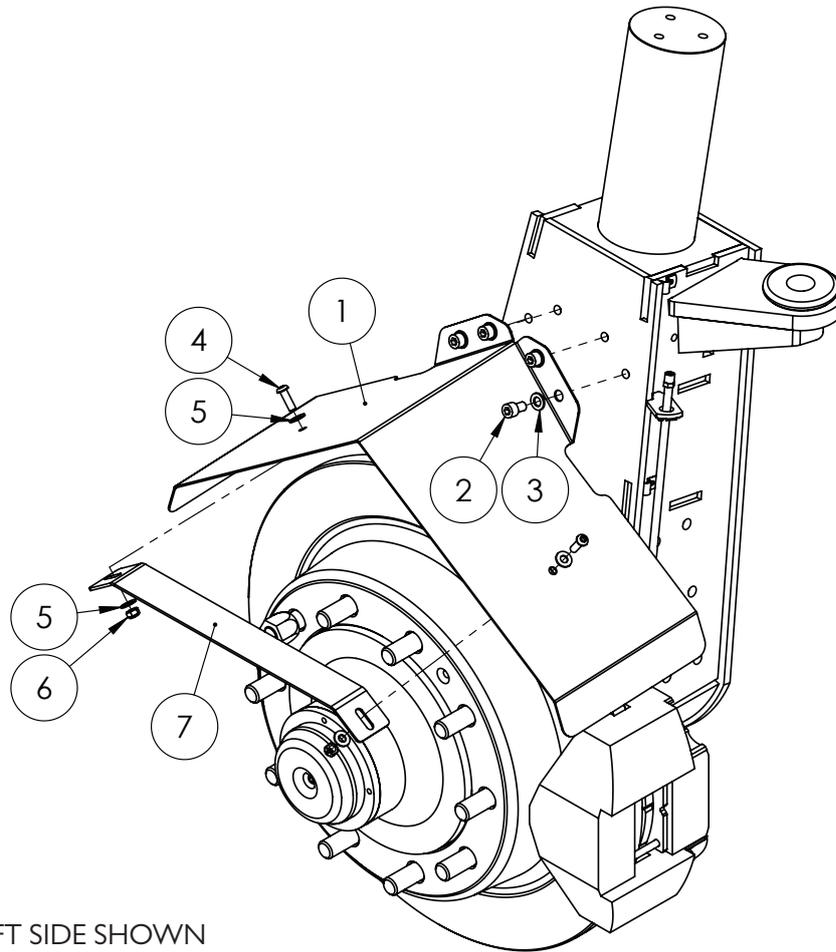
## Brakes - Rear - Lines



LEFT SIDE SHOWN

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5006303	Brake hose, Chassis to Axle, STD axle, 470mm long	1
2	GA5017019	Tube nut 1/4" 24 TPI male thread, Suit 7/16" tube	2
3	GA5008793	Tee, Flare, 7/16" 24 TPI female thread, Suit 1/4" tube	1
4	HYD002LAS	Clamp bracket Hydraulic fitting	1
5	GA5004055	SHCS M6 x 20 GR12.9 ZP	1
6	GA5011360	Bolt Pan Head M4 x 10 SS	6
7	GA5007205	Clip for brake line 3/16"	6
8	GA5011093	Lower brake Hose, Steel line to caliper, 470mm long	2
9	GA5010359	Clip for brake hose	2

# Brakes - Covers - Front 2WD

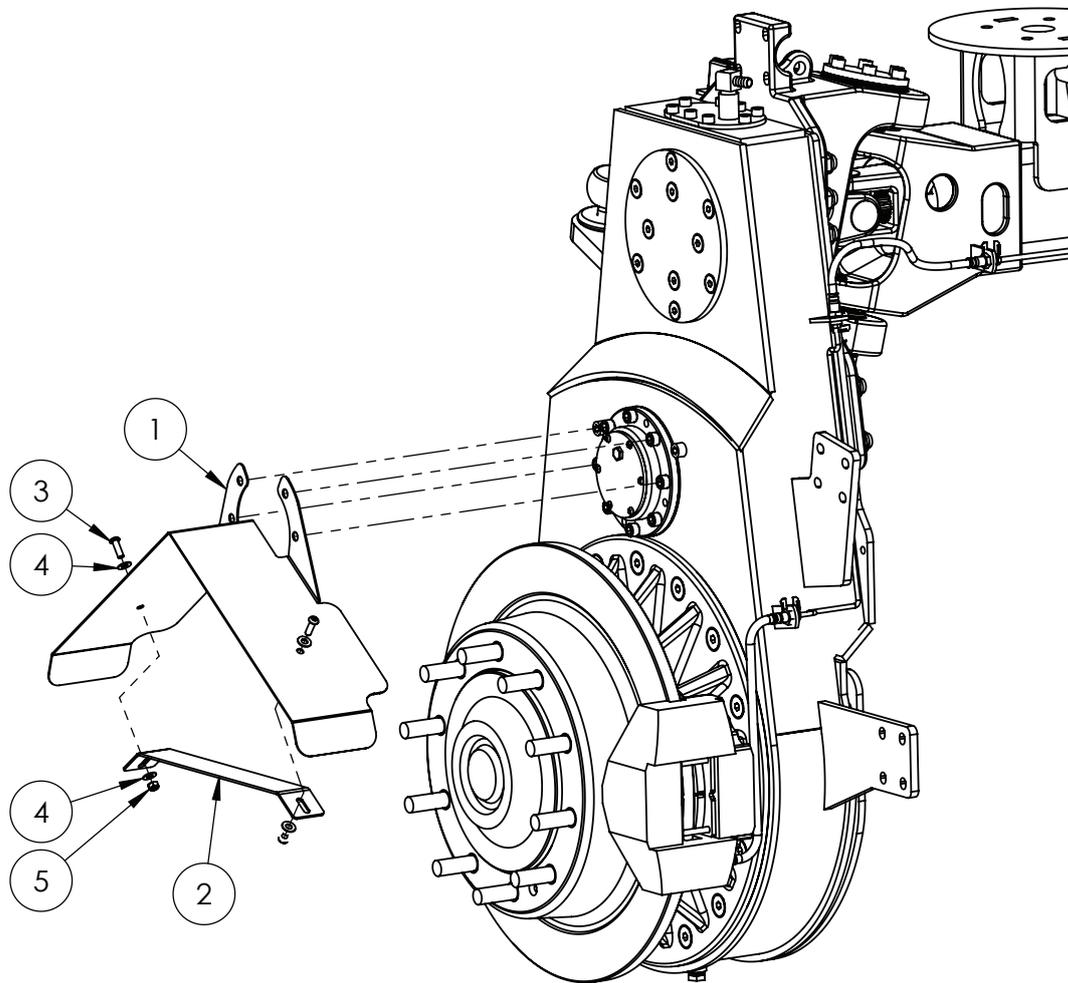


LEFT SIDE SHOWN

# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4541955	Brake cover, Front axle 2WD	1
2	GA5006139	SHCS M10 x 16 GR12.9 ZP	4
3	GA5000117	Washer 10mm Flat SS HD	4
4	GA5011473	BHCS M8 x 25 SS A2-70	2
5	GA5003643	Washer 8mm Flat SS HD	4
6	GA5004917	Nut M8 Nyloc ZP	2
7	GA4404855	Stiffener, Brake cover, Front axle 2WD/4WD	1

## Brakes - Covers - Front 4WD

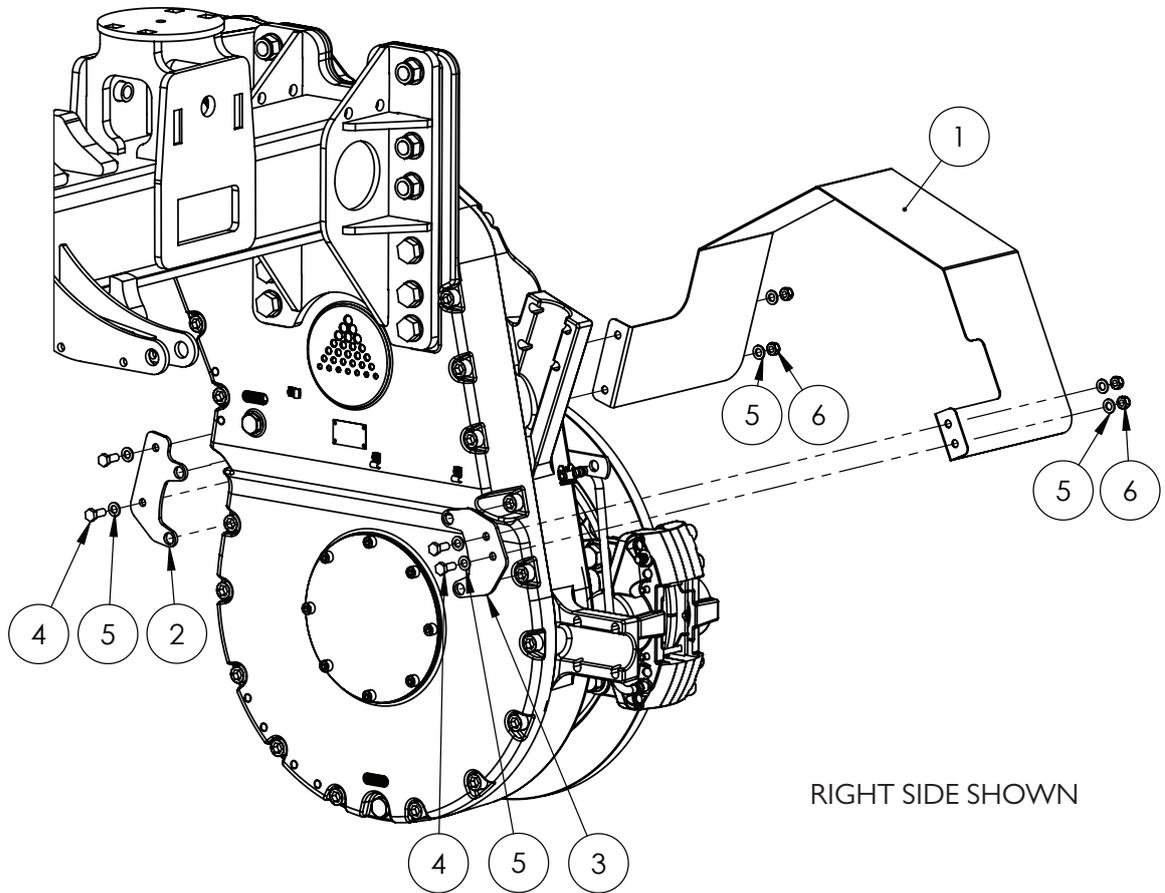


LEFT SIDE SHOWN

# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4541950	Brake cover, Front axle 4WD	2
2	GA4404855	Stiffener, Brake cover, Front axle 2WD/4WD	2
3	GA5011473	BHCS M8 x 25 SS A2-70	4
4	GA5003643	Washer 8mm Flat SS HD	8
5	GA5052590	Nut M8 Nyloc SS	4

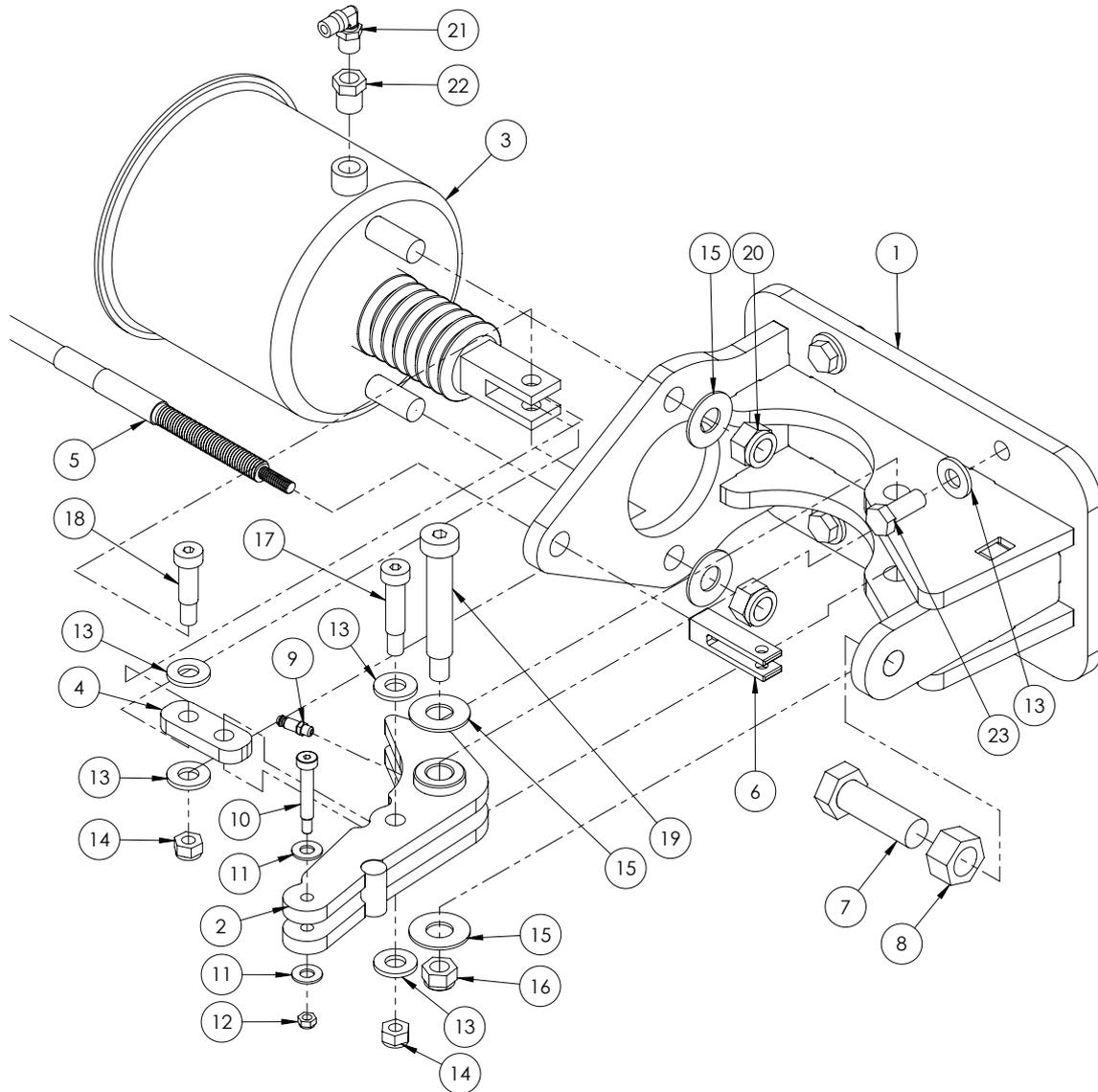
## Brakes - Covers - Rear



# Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4541960	Brake cover, Rear axle 2WD/4WD, Right side	1
	GA4541965	Brake cover, Rear axle 2WD/4WD, Left side	1
2	GA4541975	Mount plate, Brake cover, Rear axle 2WD/4WD, Front side	2
3	GA4541970	Mount plate, Brake cover, Rear axle 2WD/4WD, Rear side	2
4	GA5006161	Bolt M10 x 25 GR8.8 ZP	8
5	GA5000117	Washer 10mm Flat SS HD	16
6	GA5000141	Nut M10 Nyloc ZP	8

# Hand Brake Actuator Assembly

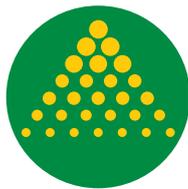


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658420	Handbrake Actuator Mounting Bracket	1
2	GA4658425	Handbrake Actuator Pivot Arm	1
3	GA5069170	Handbrake Actuator (JA184)	1
4	GA4536565	Actuator Link Handbrake Assembly	1
5	GA5069750	Cable, Park brake complete including rod ends	1
6	GA5069140	Clevis, Cable, Park brake	1
7	GA5001557	Set Screw M20 x 60 ZP GR8.8	1

Continued over page

## Hand Brake Actuator Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658420	Handbrake Actuator Mounting Bracket	1
2	GA4658425	Handbrake Actuator Pivot Arm	1
3	GA5069170	Handbrake Actuator (JA184)	1
4	GA4536565	Actuator Link Handbrake Assembly	1
5	GA5069750	Cable, Park brake complete including rod ends	1
6	GA5069140	Clevis, Cable, Park brake	1
7	GA5001557	Set Screw M20 x 60 ZP GR8.8	1
8	GA5001709	Nut M20 Coarse Hex ZP	1
9	GA5009639	Grease nipple, Long, 1/4" UNF male thread, 1 1/8" long	1
10	GA5069150	Bolt Shoulder SHCS M8 x 40 ZP	1
11	GA5003643	Washer 8mm Flat SS HD	2
12	GA5048115	Nut M6 Nyloc ZP	1
13	GA5000577	Washer 12mm Flat SS HD	8
14	GA5000141	Nut M10 Nyloc ZP	2
15	GA5001043	Washer 16mm Flat SS HD	4
16	GA5012461	Nut M12 Nyloc ZP	1
17	GA5069160	Bolt Shoulder SHCS M12 x 40 ZP	1
18	GA5069155	Bolt Shoulder SHCS M12 x 30 ZP	1
19	GA5069165	Bolt Shoulder SHCS M16 x 80 ZP	1
20	GA5069145	Nut M16 x 1.5 pitch Nyloc ZP	2
21	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	1
22	GA5049700	Reducing bush, 3/8" male thread x 1/4" female thread, Brass	1
23	GA5000305	Set Screw M12 x 30 ZP GR8.8	4



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