

# GOLDACRES

*Australia's World Class Sprayers*



## **Prairie Evolution**

### **MY13 Parts Manual**

For further information about any of the products shown please visit - [www.goldacres.com.au](http://www.goldacres.com.au).

© Goldacres Trading 2015

This publication and all designs are copyright.

No part, products or designs may be reproduced by any process except in accordance with the Copyright act 1968.

All information in this operator's manual is based on the latest product information available at the time of printing. The policy of Goldacres is one of continuous improvement and as such, Goldacres reserve the right to alter any specifications and designs without notice and without incurring any obligation regarding such changes.

No part of this manual may be reproduced without written permission from Goldacres. All photographs and technical information remain the property of Goldacres.

Goldacres Trading Pty Ltd  
3 Morang Crescent  
Mitchell Park Vic 3355

Ph: 03 5342 6399

Fax: 03 5342 6308

Revision number: 2.0  
28/05/2015

Part #: GA5063715



## GOLDACRES - RESELLER TERMS AND CONDITIONS OF SALE

Goldacres Goods are only available for purchase upon the terms and conditions set out below.

### Interpretation

- In terms and conditions:
- "Goldacres" means Goldacres Trading Pty. Ltd. A.C.N. 061 306 732 trading as Goldacres Agricultural Equipment (its successors and assigns) which is the seller of the Goods;
- "Purchaser" means the purchaser of the Goods;
- "Goods" means the products and, if any, the services sold or provided by Goldacres to the Purchaser;
- "GST Act" and "GST" are given the meanings referred to in a New Tax System (Goods and Services Tax) Act 1999.
- "PPSA" means the Personal Property Securities Act 2009 (Cth) (as amended);
- Nothing in these terms and conditions shall be read or applied so as to exclude, restrict or modify or have the effect of excluding, restricting or modifying, any condition, warranty, guarantee, right or remedy implied by law (including the Competition and Consumer Act 2010) and which by law cannot be excluded, restricted or modified.

### General

- (1) The Goods and all other products or services provided by Goldacres are provided subject to these terms and conditions. These terms and conditions and any terms and conditions incorporated herein by virtue of clause 3 hereto shall prevail over all other terms and conditions of the Purchaser or otherwise to the extent of any inconsistency.
- These terms and conditions may not be modified or amended without the expressed written consent of Goldacres endorsed by the Managing Director of Goldacres Trading P/L.

### Additional Terms and Conditions

- From time to time Goldacres may provide additional or extended warranties in respect of certain goods and/or services. Where such additional or extended warranties are provided to a Purchaser in writing they will be incorporated into these terms and conditions provided that in the event of any inconsistency between these terms and conditions and the terms of any additional or extended warranty, the provisions of the additional or extended warranty shall prevail.

### Goldacres quotations.

- Unless previously withdrawn, Goldacres quotations are open for acceptance within the period stated therein or, when no period is stated, with 14 days only of the quotation date. Goldacres reserves the right to refuse any order based on any quotation within 7 days of receipt of the order.

### Packing

- The cost of any special packing and packing materials used in relation to the Goods shall be at the Purchaser's expense notwithstanding that such cost may have been omitted from any quotation.

### Shortage

- The Purchaser waives any claim for shortage of any Goods delivered if a claim in respect thereof has not been lodged with Goldacres within (7) seven days from the date of receipt of the Goods by the Purchaser.

### Specifications, etc. Catalogues, etc. Quantities

- All specifications, (including but not limited to: drawings, particulars of weights, volumes, capacities, dimensions, load factors) are approximate only and any deviation shall not be taken to vitiate any contract with Goldacres or form any claim against Goldacres. The descriptions, illustrations, and performances contained in catalogues, price lists and other advertising matter do not form part of the contract of sale of the Goods. Where specifications, drawings or other particulars are supplied by the Purchaser, Goldacres' price is made on estimates of quantities required. Should there be any adjustments in quantities above or below the quantities estimated by Goldacres and set out in a quotation, then any such increase or decrease shall be adjusted on a unit rate basis according to unit prices set out in the quotation.

### Performance, Capacities, Chemicals, Liquids, Application Methods, Environmental Effects

- Any performance, volumes, and/or capacity figures given by Goldacres are estimates only. Goldacres shall be under no liability for damages for failure to obtain such figures unless specifically guaranteed in writing and any such written guarantee shall be subject to the recognised tolerances applicable to such figures. The suitability of chemicals and other liquids for any application and the application methods and the environmental effects shall be the sole decision and responsibility of the Purchaser and the user of the Goods. Goldacres gives no warranty as to the suitability of any chemicals or other liquids for any application, nor the application methods nor the environmental effects, which may result from the use of the Goods. Goldacres shall be under no liability for damages arising out of the use of any chemicals, liquids, or mixtures in the Goods nor for any application, nor for the application methods nor for the environmental effects, which may result from the use of the Goods.

### Delivery/Service Times

- The delivery times and service times made known to the Purchaser are estimates only and Goldacres shall not be liable for late delivery, non-delivery or delay and under no circumstances shall Goldacres be liable for any loss, damage or delay occasioned by the Purchaser or its customers arising from the late or non-delivery or late installation of the Goods.

### Loss or damage in transit

- Goldacres is not responsible for any loss or damage to Goods in transit. Goldacres shall render the Purchaser such assistance as may be necessary to press claims on carriers provided that the Purchaser shall have notified Goldacres and the carriers immediately the loss or damage is discovered on receipt of Goods and shall lodge a claim on the carrier within three days of the date of receipt of the Goods. Insurance of Goods in transit is the responsibility of the Purchaser.

### Limit of Liability

- (1) Goldacres liability for Goods manufactured by it is limited to:
  - where the law imposes consumer guarantees in these terms and conditions pursuant to Part 3.2 Division 1 of Schedule 2 to the Competition and Consumer Act 2010 (Cth) ("consumer guarantees") which cannot be excluded and Goldacres breaches a consumer guarantee, the loss and damage the Purchaser is entitled to at law which cannot be excluded by these terms and conditions; and in all other cases
  - making good any defects by repairing the same or at Goldacres option by replacement within a period not exceeding either 1000 hours or twelve calendar months, whichever comes first, after the Goods have been dispatched provided that:
    - the defects have arisen solely from faulty material or workmanship;
    - the Goods have not received maltreatment inattention or interference;
    - accessories of any kind used by the Purchaser are manufactured or approved by Goldacres;
    - where applicable, the seals on the Goods remain unbroken;
    - there has been no improper adjustment, calibration or operation;
    - the use of accessories including consumables, hardware or software (not manufactured by Goldacres) has been approved in writing by Goldacres;
    - no contamination or leakage has been caused or induced;
    - any modification to the Goods have been authorised in writing by Goldacres;
    - there has been no inadequate or incorrect use, storage, handling or application of the Goods;
    - there has been no use or operation of the Goods outside of the physical, electrical or environmental specifications of the Goods;
    - there has been no inadequate or incorrect site preparations;
    - there has been no inadequate or improper maintenance of the Goods;
    - it has not been caused by fair wear and tear; and
    - firstly the Goods have been thoroughly inspected and any damage (from whatever cause) to the Goods (and in particular – the structure, welding, seams, bolts, booms) has been repaired prior to the Goods being operated, used driven or moved and on each occasion the tanks are filled; and
    - there has been no failure to comply with the requirements of all present or future laws or regulations relating to the Goods and/or the use and/or the operation of the Goods; and
    - there has been no failure to maintain a record of hours of operation (which record shall contain full details of all inspections, repairs and maintenance) and produce same to Goldacres at the time of the claim;
    - the defective Goods or any damaged part of the Goods are promptly returned free of cost to Goldacres or a representative of Goldacres; (xviii) all warranty related repairs have been carried out with the prior authorisation of Goldacres;
  - If Goods or any part thereof are not manufactured by Goldacres in particular engines, engine accessories, transmissions, transfer cases, differentials, tyres, tubes, batteries, radios and UHFs, the guarantee of the manufacturer thereof shall be accepted by the Purchaser and is the only guarantee given to the Purchaser in respect of the Goods or that part provided always that this clause does not seek to exclude the consumer guarantees;
- In the case of hydraulic systems, Goldacres shall replace defective parts in accordance with clause 11(1) of these conditions, provided that the failure of the part was not related to contamination within the system, Goldacres shall not be liable for labour in the case of repairing hydraulic system defects;
- Goldacres will not accept liability for damage attributed to fair wear and tear including but not limited to fair wear and tear to nozzles, chains, belts, filters, brake pads, polyethylene bushes and liquid pump valves, valve O-rings, diaphragms and seals;
- Goldacres shall not be liable for and the Purchaser releases Goldacres from any claims in respect of faulty or defective design of any Goods supplied unless such a design has been wholly prepared by Goldacres and the responsibility for any claim has been specifically accepted by Goldacres in writing and in any event Goldacres liability hereunder shall be strictly limited to the replacement of defective parts in accordance with paragraph 11(1) of these conditions provided always that this clause does not seek to exclude the consumer guarantees;
- Except as provided herein, all express and implied warranties, guarantees and conditions under statute or general law as to the merchantability, description, quality, suitability or fitness of the Goods for any purpose or as to design, assembly, installation, materials or workmanship or otherwise are hereby expressly excluded and Goldacres shall not be liable for physical or financial injury, loss or damage or for consequential loss or damage of any kind arising out of the supply, layout, assembly, installation or operation of the Goods or arising out of Goldacres negligence or in any other way whatsoever;
- The benefit of any warranty provided under these terms and conditions shall only be available to the Purchaser and shall not be transferable by the Purchaser;
- The warranties provided under these terms and conditions do not extend to second hand or used Goods that may be sold by Goldacres.

- Goldacres liability for breach of a consumer guarantee is hereby limited (in the case of goods and services not used for personal, domestic or household purposes) to:
  - in the case of Goods, any one or more of the following:
    - the replacement of the Goods or the supply of equivalent Goods;
    - the repair of the Goods;
    - the payment of the cost of replacing the Goods or acquiring the equivalent Goods;
    - the payment of having the Goods repaired; or
    - in the case of services,
  - the supplying of the services again; or
  - the payment of the cost of having the services supplied again.

### Prices

- Unless otherwise stated in writing by Goldacres, all prices quoted by Goldacres are inclusive of GST for supplies within Australia and exclusive of GST for exports outside of Australia. Prices quoted are those ruling at the time of quotation or the date the price is given and are based on rates of freight, insurance, customs, duties, taxes, exchange, shipping expenses, sorting and stacking charges, cartage, cost of materials and other charges affecting the cost of production resulting on that date and any alterations thereto either before acceptance of or during currency of the contract shall be to the Purchaser's account.
- For the purpose of 38-185 of the GST Act, the day upon which the seller gives the invoice for the supply shall be the date of the invoice.

### Payment

- (1) The purchase price in relation to the Goods and the cost of the service shall be payable without deduction and or set off and payment thereof shall be made on or before the thirtieth day of the month following the delivery of the Goods or performance of the services unless other terms of payment are expressly stated in writing.
- A decreasing or increasing adjustment and or the issuing of an adjustment note, pursuant to Division 21 and Division 29-C of the GST Act, shall not, in any way, constitute a release, waiver, or forgiveness of the debt incurred by the Purchaser.

### Interest on overdue payments

- If Goldacres is not paid for any Goods or services on the due date specified in this agreement without prejudice to any other right or remedy, all outstanding money shall bear interest at the rate set, pursuant to the Penalty Interest Rates Act, Victoria, 1986, as such money, together with interest shall be recoverable forthwith from the Purchaser.

### Rights in relation to Goods.

- (1) Title to the Goods supplied by Goldacres to the Purchaser shall remain with Goldacres until the total amount due in respect of the Goods and all monies owing to Goldacres have been paid in full (the "Debts"). Risk in the Goods shall pass to the Purchaser upon delivery.
- The Purchaser shall have the right to resell Goods but only as fiduciary agent and trustee for Goldacres by way of bona fide sale at full market value and in the ordinary course of its business.

- Until all the Debts have been paid in full:

- the Purchaser shall take custody of the Goods as trustee, fiduciary agent and bailee for Goldacres;
  - the Purchaser shall keep the Goods separate from any other goods and properly marked, stored, protected and insured;
  - the Purchaser must hold all of the money it receives ("Proceeds");
  - from the sale of any property into which Goods supplied have been incorporated; and
  - from the sale of Goods or provision of services including the Goods supplied by the Goldacres as bailee, fiduciary agent and trustee for Goldacres, but the Purchaser need not hold on trust any money exceeding the amount of the Debts at the time the money is received.
- The Purchaser expressly acknowledges that it is bound by the fiduciary obligation created in the preceding paragraph and acknowledges that:

- it must hold the Proceeds on trust for Goldacres;
  - it must place the whole of the Proceeds in an account separate from its own moneys (the "Proceeds Account");
  - it must maintain the Proceeds Account separate from its own moneys at all times.
  - it must maintain proper records for the Proceeds Account.
  - it must not assign or encumber any book debts arising from sales made in circumstances set out in clauses 16(c)(i) and (ii) or do any other act in derogation of Goldacres' legal or beneficial interests; and
  - it must account to Goldacres on demand for all moneys standing to the credit of such account.
- For the purposes of identification of different consignments of Goods purchased from Goldacres and receipt of Proceeds, the Purchaser agrees that the principle of "Last In, First Out" shall be applied to any items that cannot be distinguished.

- Goldacres may trace the Proceeds in equity.
- Goldacres may at any time, without notice to the Purchaser and without prejudice to any other rights which it may have against the Purchaser, terminate any contract connected with the Goods and the bailment referred to in clause 16(3) and enter upon any premises owned or occupied by the Purchaser where Goldacres reasonably believes the Goods may be stored, and repossess the Goods without liability for any damaged caused, and subsequently dispose of the Goods at Goldacres' discretion if:

- the Debts are not paid in accordance with these terms and conditions or any other contract or arrangement between Goldacres and the Purchaser; or
  - Goldacres receives notice of or reasonably believes that:
    - a third person may attempt to levy execution against the Goods; or
    - the Purchaser is insolvent (within the meaning of the Corporations Act 2001) or bankrupt; or
    - the Purchaser has entered into any arrangement or composition with its creditors, gone into liquidation, or has appointed a receiver, a receiver and manager or administrator.
- If after repossession under clause 16(4) Goldacres sells the Goods, Goldacres shall account to the Purchaser for any proceeds of sale (less expenses of repossession and sale) that exceeds the amount of the outstanding Debts.
  - If any Goods belonging to Goldacres are disposed of by the Purchaser or an insurance claim is made in respect of them, Goldacres shall be entitled to trace the sale or insurance proceeds, which proceeds shall be held by the Purchaser in a separate bank account on trust for Goldacres.

- The Purchaser agrees and acknowledges that in the event it sells Goods to a third party on account, it will include in its terms and conditions of sale a provision under which the Purchaser retains title to the Goods until such time that the total amount due in respect of the Goods and all monies owing to the Purchaser have been paid in full by that third party debtor. The Purchaser also agrees and acknowledges that in these instances, it will register its PMSI in accordance with the PPSA in respect of its security interest in the Goods.

### PPSA provisions

- (1) The Purchaser acknowledges that these terms and conditions constitute a security agreement for the purposes of section 20 of the PPSA and that a security interest exists in all Goods (and any associated Proceeds from their sale) previously supplied by Goldacres to the Purchaser (if any) and in all future Goods (and any associated Proceeds from their sale) that may be supplied to the Purchaser by Goldacres.
- The Purchaser acknowledges that Goldacres has a first ranking purchase money security interest ("PMSI") (as defined in section 14 of the PPSA) in the Goods and the Purchaser must not jeopardise such ranking (whether by act or omission).
- The Purchaser acknowledges that it has received value as at the date of first delivery of the Goods and has not agreed to postpone the time for attachment of the security interest (as defined in the PPSA) granted to Goldacres under these terms and conditions.
- The Purchaser will execute documents and do such further acts as may be required by Goldacres to register the security interest granted to Goldacres under these terms and conditions under the PPSA.
- Until ownership of the Goods passes, the Purchaser must not give to Goldacres a written demand or allow any other person to give Goldacres a written demand requiring Goldacres to register a financing charge statement under the PPSA in respect of Goldacres' interest in the Goods.
- The Purchaser must indemnify Goldacres and on demand reimburse Goldacres for all costs and expenses incurred by Goldacres in respect of these terms and conditions including but not limited to Goldacres registering its security interest in the Goods, lodging, discharging or amending any financing statement or financing charge statement, or otherwise complying with the PPSA.
- The Purchaser agrees (other than as provided in these terms and conditions) not to sell, lease, mortgage, deal with, dispose of or create or attempt to create any other security interest in or affecting the Goods unless and until the Purchaser's Debts have been satisfied.
- The Purchaser waives its rights under the following provisions of Chapter 4 of the PPSA:
  - to receive a notice on enforcement action against liquid assets (section 121(4));
  - to receive a notice to seize collateral (section 123);
  - to receive a notice of disposal of Goods by Goldacres purchasing the Goods (section 129);
  - to receive a notice to dispose of Goods (section 130);
  - to receive a statement of account following disposal of Goods (section 132(2));
  - to receive a statement of account if no disposal of Goods for each 6 month period (section 132(4));
  - to receive notice of any proposal of Goldacres to retain Goods (section 135(2));
  - to object to any proposal of Goldacres to either retain or dispose of Goods (section 137(2));
  - to redeem the Goods (section 142);
  - to reinstate the security agreement (section 143);
  - to receive a notice of any verification statement (section 157(1) and section 157(3));
- The rights Goldacres may have under the PPSA are supplementary and in addition to those set out in these terms and conditions and do not derogate from the rights and remedies of Goldacres under these terms and conditions or under any other statute or under general law.
- The Purchaser must give 10 business days prior written notice of any proposed change in the Purchaser's name or other identifying characteristics and details.

### Purchasers property

- Any property of the Purchaser under Goldacres' custody or control shall be entirely at the Purchaser's risk as regards loss or damage caused to the property or by it.

### Storage

- Goldacres reserves the right to make a reasonable charge for storage if delivery instructions are not provided by the Purchaser within (14) fourteen days of a request by Goldacres for such information.

### Returned Goods

- Goldacres shall not be under any obligation to accept Goods returned by the Purchaser and will do so only on terms to be agreed in writing in each individual case.

### Goods sold

- All Goods to be supplied by Goldacres shall be described on the purchase order agreed by Goldacres and the Purchaser and the description on such purchase order modified as so agreed shall prevail over other descriptions including any Purchaser's specification or enquiry.

### Cancellation

- No order may be cancelled except with the consent in writing and on terms, which will indemnify Goldacres against all losses.

### No waiver

- The failure of any party to enforce the provisions of these terms and conditions or to exercise any rights expressed in these terms and conditions shall not be a waiver of such provisions or rights and shall not affect the enforcement of this agreement. The exercise by any party of any of its rights expressed in this agreement shall not preclude or prejudice such party from exercising the same or any other rights it may have irrespective of any previous action taken by that party.

### Force Majeure

- If by reason of any fact, circumstance, matter or thing beyond the reasonable control of Goldacres is unable to perform in whole or in part any obligation under these terms and conditions then Goldacres shall be relieved of that obligation under these terms and conditions to the extent and for the period that it is so unable to perform and shall not be liable to the Purchaser in respect of such inability.

### Passing of risk

- Risk in the Goods shall pass to the Purchaser upon delivery of the Goods to the Purchaser or collection of the Goods by the Purchaser's agent or carrier as the case may be.

### Exclusion of liability

- To the extent permitted by law Goldacres shall not be liable to the Purchaser in contract or in tort arising out of, or in connection with, or relating to, the performance of the Goods or any breach of these conditions or any fact, matter or thing relating to the Goods or error (whether or not it is negligent or a breach of contract) in information supplied to the Purchaser or a user before or after the date of the Purchaser's or user's use of the Goods and Goldacres shall be under no liability for damages arising out of the use of any chemicals, liquids, or mixtures in the Goods, nor for any application, nor for the application methods nor for the environmental effects, which may result therefrom or from the use of the Goods.

### Exclusion of representations and arrangements

- To the extent permitted by law the terms and conditions supersede and exclude all prior and other discussions, representations (contractual or otherwise) and arrangements relating to the supply of the Goods or any part thereof including, but without limiting the generality of the foregoing, those relating to the performance of the Goods or any part thereof or the results that ought to be expected from using the Goods.

### Place of contract

- The contract for sale of the Goods and the provision of the services is made in the State of Victoria and the Purchaser agrees to submit all disputes arising with Goldacres to the courts of such State and any court competent to hear appeals therefrom.



# Contents

---

## Contents

### CHASSIS

6

H Frame - 4/5/6500lt	6
H Frame 4/5/6500lt	7
H Frame - 7/8500lt	8
H Frame - 7/8500lt	9
Front Steps	10
Hand Rails - 4/5/6500lt models	11
Hand Rails - 7500/8500lt models	12
Hand rail gauge assembly	13
Gauge - Air & spray assembly	14
Gauge - Air & 2 x spray assembly	15
Pull - 4/5/6500lt models	16
Pull - 4/5/6500lt models	17
Pull - 7500/8500lt models	18
Pull - 7500/8500lt models	19

### PUMPS

20

Pump - Zeta 260 PTO Shaft drive	20
Pump - Zeta 260 MI Hydraulic Drive	21
Pump - Zeta 260 Pump Breakdown	22
Pump - Zeta 300 MI Hydraulic Drive	23
Pump - Zeta 300 PTO Pump Breakdown	24
Pump - Zeta 300 Hydraulic Pump Breakdown	25
Hydraulic hose assembly kit	26
Hydraulic drive conversion kit	27
Pressure Flow Compensator	28

### FLUSH TANK

30

400lt Belly Tank	30
400lt Belly Tank Frame	31

### RIGHT HAND POD

32

Prairie Evolution Right Hand Pod	32
Right Hand Side Module - Internal Components	33
Right Hand Side Module - Internal Components	34

Right Hand Pod Door	35
Airbag Compressor Assembly	36
Airbag Compressor	37
Pressure Switch	38
Airbag & Foam Compressor Assembly	39
Foam Marker Compressor	40
Foam Marker Solenoids	41
Foam Marker Exhaust Valve Assembly	42
Foam Marker Compressor Assembly	43
Rapid Flow Compressor Assembly	44
Rapid Flow Compressor	45
Intake Manifold - Airbag Only	45
Intake Manifold - Airbag & Foam	46
Intake Manifold - Foam Only	47
Airbag Compressor	48
Foam Marker Compressor	49
Foam Marker Compressor	50
Fill Pump Spool	51

### LEFT HAND POD

52

Prairie Evolution Left Hand Pod	52
Prairie Evolution Left Hand Pod	53
Prairie Evolution Left Hand Pod	54
Prairie Evolution Left Hand Pod	55
Prairie Evolution Left Hand Pod	56
Prairie Evolution Left Hand Pod	57
LH Pod, Chemical Pump Mount	59
Pod cover door	60
Suction Filter	61
Transcal Tap	63
Wash Down Gun	63
Fresh Water Filter Manifold	64
Pressure Control Assembly	64
Fresh Water Fill Tap	65
Pressure Gauge	65
Non Return Valve - Tank Rinse	66
Non Return Valve - Fresh Water	67
Wash Down Gun Valve	67
Pod Light Assembly	68
Fill Manifold Sub Assembly	69

Foam Marker Fill Tap	70	4 way tap assembly	110
Transcal Fill Tap	70	DCI Direct Draw Assembly	111
4 Way Valve	71	DCI Direct Draw Assembly	112
Foam Marker Fill Tap	72	Winch Mount Assembly	113
Fill Filter	72		
3" Fill Pump Outlet	74	<b>DUAL PRODUCT</b>	<b>114</b>
Flow Control Assembly	76	Ramsay Valve Assembly	114
Flow Control Safety Valve	78	Ramsay Valve Assembly	115
Fill Flow Meter	79	Dual Product and DCI Mixer	115
Fill Flow Meter Monitor	79	Dual Product and DCI Mixer	116
PH6 Pump Mounting Kit	80	Dual Pressure Filters	116
Chemical Probe	81	Dual Product Manifold	117
Enviro coupling & hose	81	Twin Solenoid Assembly	118
<b>DCI</b>	<b>84</b>	<b>INDUCTION HOPPER</b>	<b>120</b>
Direct Chemical Injection POD	84	Hopper Tank	120
Direct Chemical Injection POD continued	85	Hopper Tank	121
Third DCI unit Assembly	86	Hopper Tank - Bottom	121
Third DCI unit Assembly	87	Hopper Frame	122
Direct Injection Tanks	87	<b>FOAM MARKER TANK</b>	<b>124</b>
Chemical Probe	88	100 Litre Foam Marker Tank	124
Enviro coupling & hose	88	Foam Concentrate Bottle	125
Cover Plate Assembly	89	Foam Generator	126
Injection Pump	90	Foam Generator Mounting	126
Injection Pump	91	Foam Accumulator Assembly	127
Panel Alignment Strip	92	Filter and Ball Valve	127
Vacuum gauge	92	Foam Marker Filter	128
Valve sub assembly	93	<b>TRANSCAL</b>	<b>130</b>
Chemical pump suction valve	94	Transcal Bottle	130
Chemical pump suction valve	95	Transcal Bottle	131
Chemical tank vacuum valve	96	Rinse Nozzle & Cap	131
Tank rinse ball valve	97	Enviro coupling & hose	132
Tank vent ball valve	98	<b>MAIN TANK</b>	<b>134</b>
Chemical probe coupling ball valve	99	4/5000 litre tank assembly	134
DCI bottle	100	4/5000 litre tank assembly	135
Fill shut off assembly	101	6500 litre tank assembly	136
Rinse Nozzle & Cap	101	6500 litre tank assembly	137
Mixing Chamber	102	75/8500 litre tank assembly	138
Bulk DCI 600lt module	103	75/8500 litre tank assembly	139
Bulk DCI 600lt module	104	Tank Flush Elbow	139
Bulk DCI 600lt	105	Tank Rinse Tee	140
Batch Mate Module	106	Supermix Agitator	140
Batch Mate Module	107	Dry Sight Tube Kit	141
Direct Draw DCI Reserve Tank	108		
Direct Draw DCI Reserve Tank	109		

Sight Tube Locating Cap	142	Boom Recirc Return To Tank Valve	173
Dry Sight Tube Float	142	Flow Meter Assembly	174
Dry Sight Tube Kit	143	RapidFire Solenoid Box	175
Venturi Filler	144	RapidFire 10 Section Solenoid Box	176
Hopper Tank Inlet	145	Rapid Fire Solenoid Valves	177
2" Tank Fill	145	Single Solenoid Valve	177
Remote Drain 4/5/6500lt	146	Centre With Tilt Replacement Links	178
Remote Drain 75/8500lt	147	Centre With Tilt Cylinders	178
Sump Drain Tap	148	Paralift & Paralift Arms	179
Tank Stops	148	Complete Centre & Paralift	180
Tank Straps & Brackets	149	Lower Limit Switch	181
<b>WHEELS, AXLES &amp; MUDGUARDS</b>	<b>150</b>	Delta Link Locking Plate	182
Air Bag Axle 4/5/6500lt	150	Remote Manual Grease Station	183
Air Bag Axle	151	UltraGlide Block & Smart Box Mounting	184
Air Bag Axle 75/8500lt	152	Raven Node - Paralift	185
Air Bag Axle 75/8500lt	153	UltraGlide Node - Paralift	185
Mudguards	154	Centre Level	186
Mudguards	155	Centre Leveling Main Pivot	187
Rigid Axle	156	Centre Section - 42m Boom Specific Com-	188
Wheel Speed Sensor	157	ponents	188
Wheels	158	Centre Section - 42m Boom Specific Com-	189
Brake Components	159	ponents	189
Braked Axle Assembly	160	42m Yaw Accumulator Assembly - LH	189
Steering Axle Assembly	161	42m Yaw Accumulator Assembly - RH	190
Steering Axle Assembly	162	Boom Pivots - Suit 42m Boom	191
Hub - 90 Series	163	Spring Yaw Kit	192
Hub - 110 Series Braked	164	Hydraulic Yaw Kit - Suit Spool Valves	193
5	164	Hydraulic Yaw Kit	194
1	164	Hydraulic Yaw Kit - Non Spool Valves	195
2	164	Hydraulic Yaw Kit - Non Spool Valves	196
3	164	Oversize Sign Mount	197
4	164	Oversize Sign Mount - TriTech	198
3	164	<b>BOOM WING</b>	<b>200</b>
4	164	Fence Line End Protector - Standard	200
6	164	Fence Line End Protector - Quick Fit	201
<b>BOOM CENTRE</b>	<b>166</b>	Boom Protector Assembly - Outer	202
Boom Centre Assembly	166	Boom Protector Assembly - Inner	202
Boom Centre Assembly	167	Cable Drum	203
Cable Mount - Rear LH	168	Cable Drum	204
Cable Mount - Rear RH	169	Cable Drum - 42m Boom	205
Boom Valve Assembly	170	Cable Drum - 42m Boom	206
Boom Valves	171	Mid Wing - 42m Boom	206
Rapid Fire Valves	172	Bi-Fold	207
		Bi-Fold	208
		Bi-Fold - 42m Boom	209

Boom Fold Adjuster	210	Deutsch Electrical Connectors	241
Dual Ram Fold Adjuster - 42m	211	Deutsch Electrical Connectors	242
Boom Cables	212	Boom Lights Mount	243
Boom Cable Spring - Suit 24m	212	Console Mounting Kit	244
Boom Cable Spring - Suit 28-30m	213	Control Boxes	245
Boom Cable Springs - Suit 33&36m	213	<b>SCHEMATICS</b>	<b>246</b>
Lower Bearing Pivot	214	Fresh Water Delivery	246
Upper Bearing Pivot	214	Pressure Schematic	247
Steel Inner Wings	215	RapidFlow Schematic	248
Aluminium Outer Wings	215	Transcal Schematic	249
Aluminium Break Away Tip	216	DCI Schematic	250
Three Dimensional Breakaway 2.0	217	DCI Schematic	251
Three Dimensional Breakaway 2.0	218	Pneumatic Layout Airbag with RapidFire	
GA4906305-I Breakaway Mechanism	218		252
Touch Down Wheel	219	Pneumatic Layout Airbag-Foam Marker	253
Touch Down Wheel	220	Electrical Layout - Overview	254
RapidFire Boom Line Plumbing	220	Electrical Layout - Overview	255
RapidFire Boom Line Plumbing	221	Electrical Layout - Page 1	256
Boom Line Plumbing	221	Electrical Layout - Page 2	257
Teejet Single Nozzle Body	222	Electrical Layout - Page 3	258
Altek Spray Stop Spare Parts	223	Electrical Layout - Page 5	259
Altek Dual Nozzle Body	224	Electrical Layout - Page 6	260
Teejet Turret Nozzle Body	225	Hydraulic schematic - No spool valves	261
Manual Fence Line Nozzle	226	Hydraulic schematic - with spool valves	
Solenoid Operated Fence Line Nozzle	227	closed centre	262
Adjustable Nozzle Brackets	228	Hydraulic schematic - with spool valves	
Pre Packaged Kits	228	open centre	263
UltraGlide Sensor Mount	229	<b>DECALS</b>	<b>264</b>
Boom Poly Pipe Clamps	229	<b>HYDRAULICS</b>	<b>274</b>
600mm Boom Poly	230	Spool Block with Fittings	274
1100mm Boom Poly	230	Spool Block with Fittings	275
1200mm Boom Poly	230	Spool Valve Mounting Assembly	275
1600mm Boom Poly	231	Manifold Assembly	276
2100mm Boom Poly	231	Manifold Assembly	277
2600mm Boom Poly	232	Boom Lower Solenoid	277
3100mm Boom Poly	232	Bi-Fold Hydraulic Stack	278
<b>ELECTRICS</b>	<b>234</b>	Smart Steer Hydraulic Stack	278
Boom LED Lights	234	Fill Pump Hydraulic Manifold Assembly	279
Lights	235	Bi-Fold Check Valve	280
Electrical Components	235	Load Sense Turbo Valve	281
Raven (AMP) Electrical Connectors	236	Quick Release Couplings	282
Raven (AMP) Electrical Connectors	237	Hydraulic Hoses	282
Electrical Connectors	238	Hose ID Tags	283
Electrical Connectors	239		
Deutsch Electrical Connectors	240		



Hydraulic O-Rings and Retaining Washers	283
Hydraulic Cylinder - Boom Lift - Standard	284
Hydraulic Cylinder - Boom Lift - Suit 42m	284
Hydraulic Cylinder - Boom Tilt	285
Hydraulic Cylinder - Boom Fold RH	286
Hydraulic Cylinder - Boom Fold LH	287
Hydraulic Cylinder - Centre Leveling	288
Hydraulic Cylinder - Bi-Fold	289
Hydraulic Cylinder - Yaw	290
Yaw Control Valve Assembly	291
Hydraulic Yaw Charge Line	291
Raw Hide & Spiral Guard	292

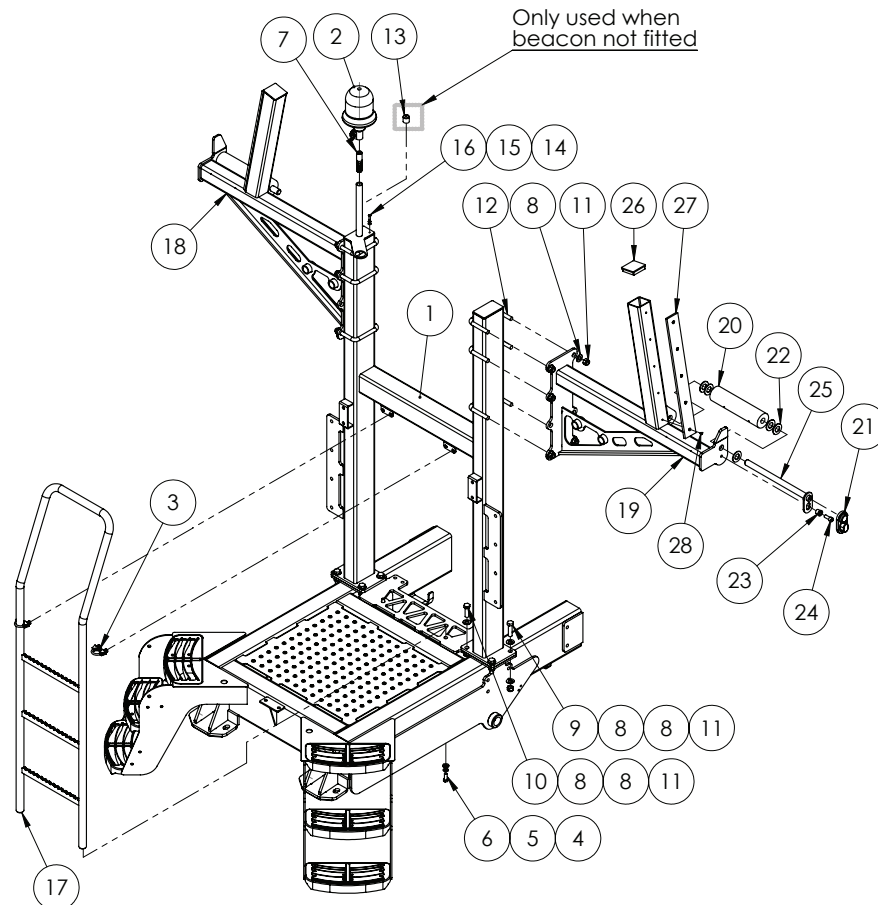
<b>PLUMBING</b>	<b>294</b>
-----------------	------------

3/4 BSP Filter with 200 mesh screen	294
Pressure Filter Assembly	295
2" Fill Filter with 120 mesh screen	296
In Line Boom Filter	297
2" Suction Filter	298
Air Filter	299
Hose Clamps	299
Cable Ties	299
Hoses	300

# Chapter I

## CHASSIS

### H Frame - 4/5/6500lt



GA4659515 Chassis Prairie 6500 MY13

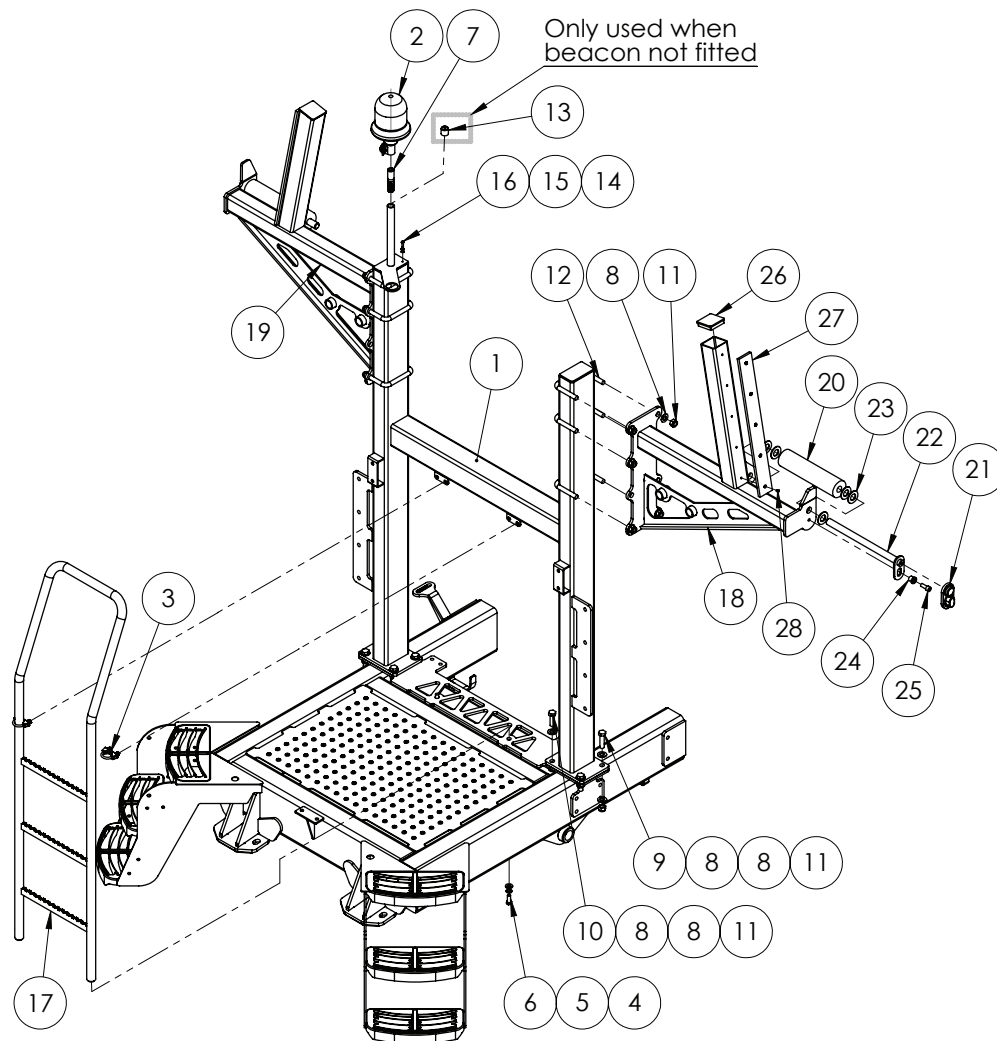
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4654181	H-Frame Suit EF 4000/6500L, 2011	1
2	GA5048975	Beacon, Rotating, Amber, DIN A pole mount, H1 globe	1
3	GA5075120	Exhaust Clamp 36mm Heavy Duty	2
4	GA5000587	Washer 12mm Flat ZP Heavy Duty	2
5	GA5000575	Washer 12mm Spring SS	2
6	GA5000307	SHCS M12 x 30 ZP GR12.9	2
7	GA5020411	Beacon insert screw in	1
8	GA5001043	Washer 16mm Flat SS HD	28
9	GA5000939	Bolt M16 x 60 Black GR8.8	4
10	GA5000931	Bolt M16 x 50 ZP GR8.8	4

Continued over page

## H Frame 4/5/6500lt

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
11	GA5001029	Nut M16 Nyloc ZP	20
12	GA5011277	U Bolt M16 x 127mm x 110mm Square Top	6
13	GA5052650	Cap, Plastic 25.4mm Black	1
14	GA5004437	Washer 6mm Flat SS	1
15	GA5004447	Washer, 6mm, Spring, SS	1
16	GA5004053	BHCS M6 x 20 SS	1
17	GA4658161	Ladder, suit 2013 Prairie	1
18	GA4659670	Boom Rest Prairie Right Hand, 4000, 5000, 6500L	1
19	GA4659675	Boom Rest Prairie Left Hand, 4000, 5000, 6500L	1
20	GA5070700	Roller Boom Rest Prairie	2
21	GA5067885	Pin cover, Black, clip on, plastic	2
22	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	10
23	MACH0152	Bush with shoulder, 12.3 ID x 25 OD x 21 mm long	2
24	GA5000307	SHCS M12 x 30 ZP GR12.9	2
25	GA4658745	Pin suit Boom rest roller	2
26	GA5052345	End cap, Insert, 75 x 75 mm, black, plastic	2
27	GA5066630	Wear strip, 65 wide x 590 long x 10mm thick, Polystone 7000SR	2
28	GA5051230	CSCS M5 x 16 Countersink SS	10
	GA5054685	Cap M16 hex nut cover (not shown)	8

## H Frame - 7/8500lt



GA4659525 Chassis Prairie Evo 8500L 2013

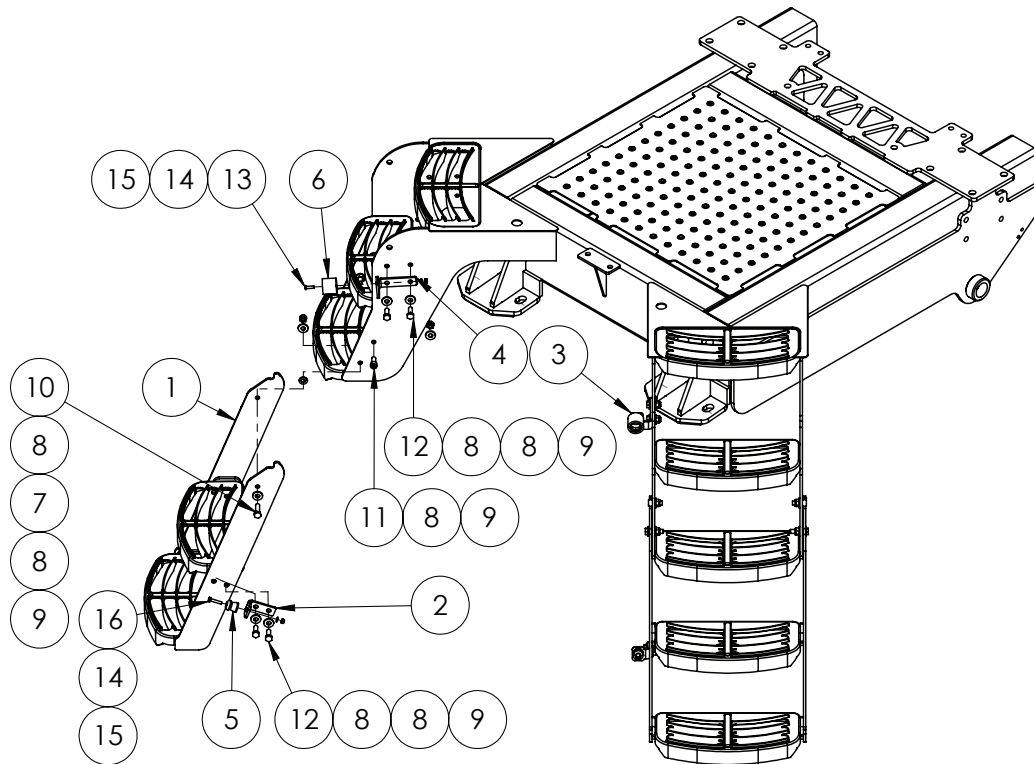
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4654182	H frame suit prairie 7500L 2011	1
2	GA5048975	Beacon, Rotating, Amber, DIN A pole mount, H1 globe	1
3	GA5075120	Exhaust Clamp 36mm Heavy Duty	2
4	GA5000587	Washer 12mm Flat ZP Heavy Duty	2
5	GA5000575	Washer 12mm Spring SS	2
6	GA5000307	SHCS M12 x 30 ZP GR12.9	2
7	GA5020411	Beacon insert screw in	1
8	GA5001009	Washer 16mm Flat ZP Heavy Duty	28
9	GA5000939	Bolt M16 x 60 Black GR8.8	4
10	GA5000931	Bolt M16 x 50 ZP GR8.8	4
11	GA5001029	Nut M16 Nyloc ZP	20
12	GA5011277	U Bolt M16 x 127mm x 110mm Square Top	6
13	GA5052650	Cap Plastic 25.4mm Black	1
14	GA5004437	Washer 6mm Flat SS	1

Continued over page

## H Frame - 7/8500lt

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
15	GA5004447	Washer, 6mm, Spring, SS	1
16	GA5004053	BHCS M6 x 20 SS	1
17	GA4658161	Ladder, suit 2013 Prairie	1
18	GA4659676	Boom Rest Prairie Left Hand 7500 8500L	1
19	GA4659671	Boom Rest Prairie Right Hand 7500 8500L	1
20	GA5070700	Roller, Boom Rest Prairie	2
21	GA5067885	Pin cover, Black, clip on, plastic	2
22	GA4658745	Pin, suit Boom rest roller	2
23	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	10
24	MACH0152	Bush with shoulder, 12.3 ID x 25 OD x 21mm long	2
25	GA5000307	SHCS M12 x 30 ZP GR12.9	2
26	GA5052345	End cap, Insert, 75 x 75 mm, black, plastic	2
27	GA5066630	Wear strip, 65 wide x 590 long x 10mm thick, Polystone 7000SR	2
28	GA5051230	CSCS M5 x 16 Countersink SS	10
	GA5054685	Cap M16 hex nut cover (not shown)	8

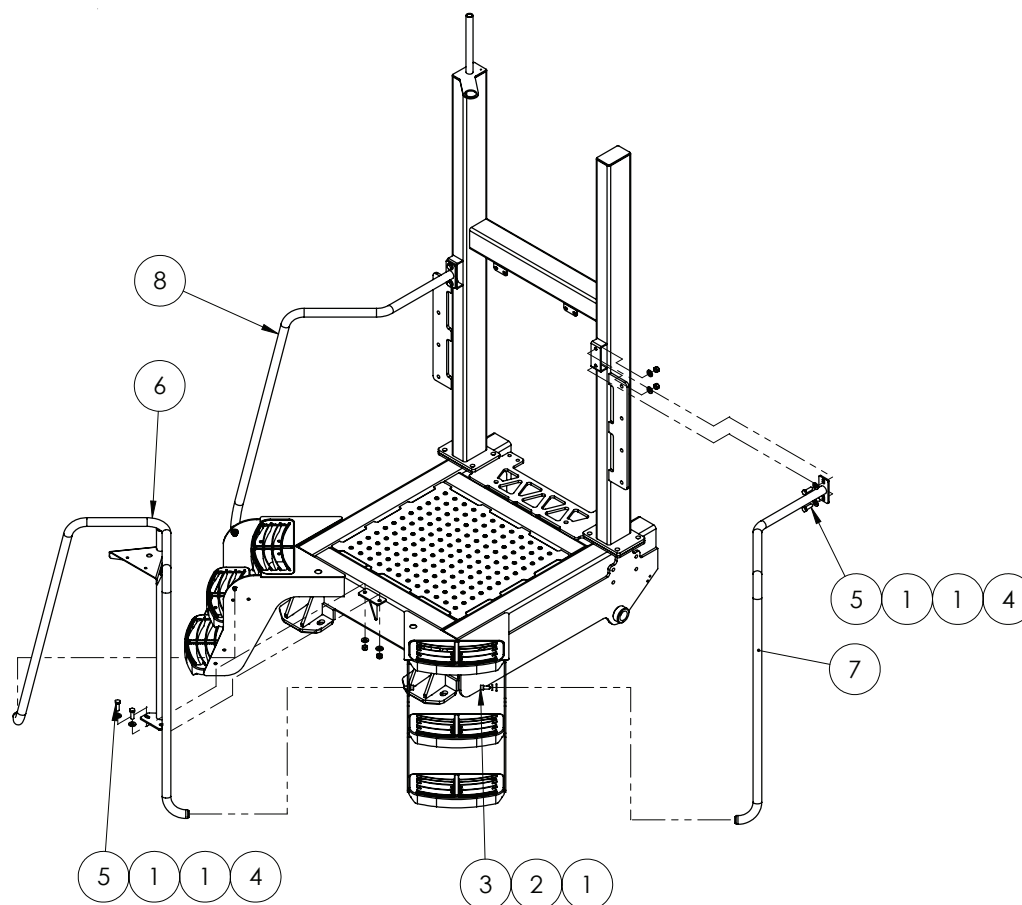
## Front Steps



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659690	Lower Steps, Prairie, Eco and Special 2013	2
2	GA4522617	Latch plate, suit Prairie EF, narrow step	2
3	F70684A	Rigid step catch mounting plate	1
4	F70654A	Rigid step catch mounting plate 5mm FMS	1
5	GA5011607	Door holder, Male, Rubber, Black	2
6	GA5008629	Door holder, Female, Rubber, Black	2
7	GA5000115	Washer 10mm Flat SS	4
8	GA5000117	Washer 10mm Flat SS Heavy Duty	28
9	GA5000141	Nut M10 Nyloc ZP	16
10	GA5006071	Bolt M10 x 40 ZP GR10.9	4
11	GA5011153	SHCS M10 x 20 ZP GR12.9	4
12	GA5065455	Bolt M10 x 30 ZP GR8.8	8
13	GA5004053	BHCS M6 x 20 SS	2
14	GA5004437	Washer 6mm Flat SS	4
15	GA5048115	Nut M6 Nyloc ZP	4
16	GA5004079	Set Screw M6 x 30 ZP GR8.8	2

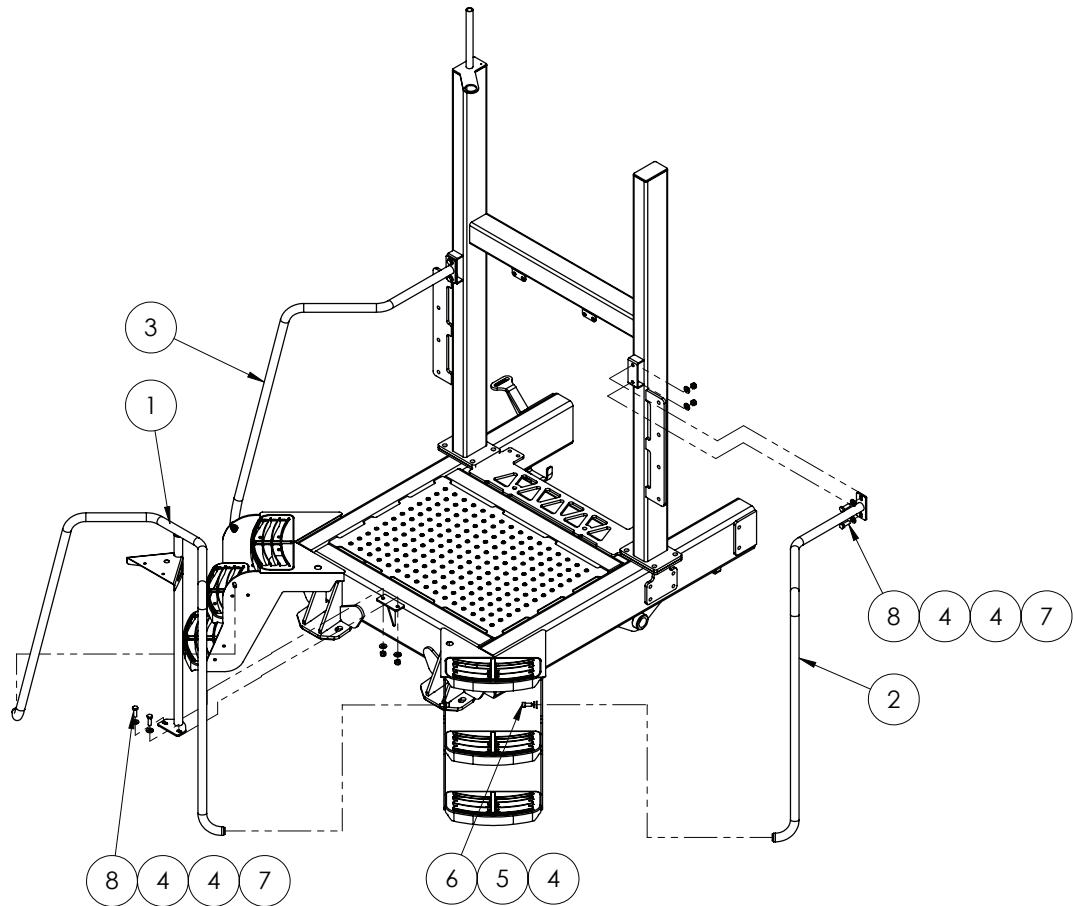


## Hand Rails - 4/5/6500lt models



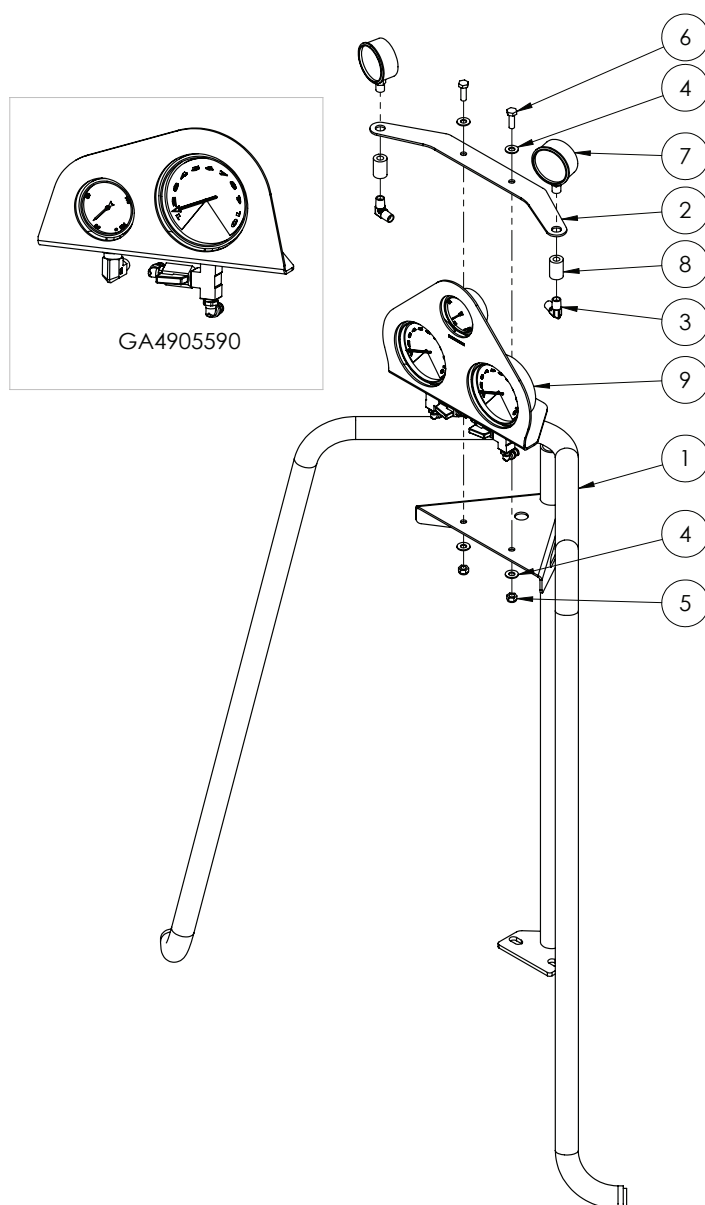
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5000587	Washer 12mm Flat ZP Heavy Duty	16
2	GA5000575	Washer 12mm Spring SS	4
3	GA5000297	SHCS M12 x 25 ZP GR12.9	4
4	GA5012461	Nut M12 Nyloc ZP	6
5	GA5000311	Set screw, M12 x 35, ZP GR 8.8	6
6	GA4659650	Handrail Prairie Front	1
7	GA4659660	Handrail Prairie Left Hand	1
8	GA4659665	Handrail Prairie Right Hand	1

# Hand Rails - 7500/8500lt models



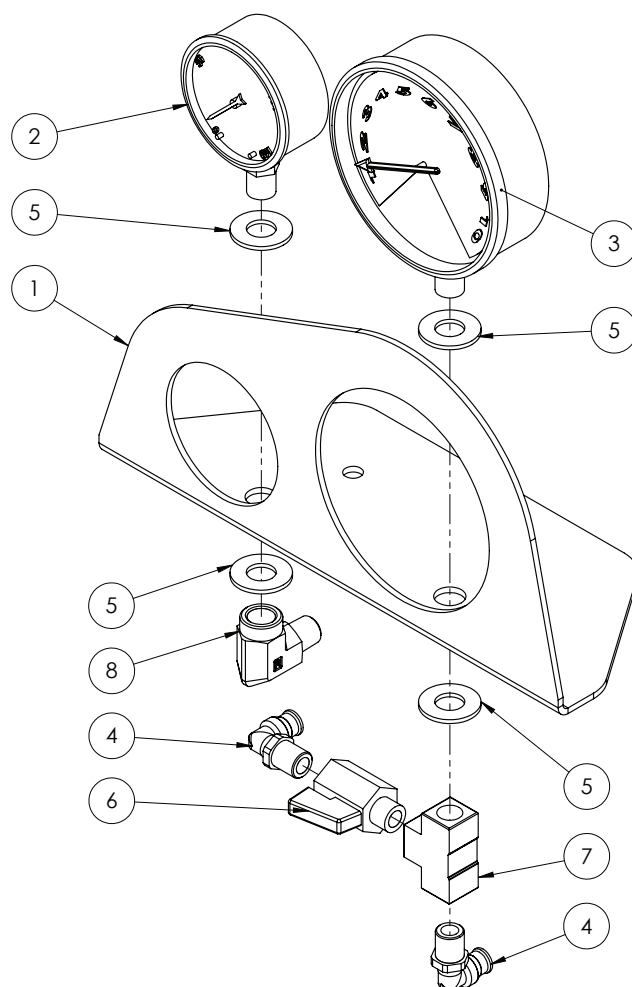
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659655	Handrail Advance Evo Middle 7500 8500L	1
2	GA4659660	Handrail Prairie Left Hand	1
3	GA4659665	Handrail Prairie Right Hand	1
4	GA5000587	Washer 12mm Flat ZP Heavy Duty	16
5	GA5000575	Washer 12mm Spring SS	4
6	GA5000297	SHCS M12 x 25 ZP GR12.9	4
7	GA5012461	Nut M12 Nyloc ZP	6
8	GA5000311	Set screw, M12 x 35, ZP GR 8.8	6

## Hand rail gauge assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659650	Handrail Prairie Front	1
2	GA4504995	Plate Gauge Prairie Bi-Fold MY13	1
3	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male, S49-0404	2
4	GA5004883	Washer 8mm Flat ZP Heavy Duty	4
5	GA5052590	Nut M8 Nyloc SS	2
6	GA5004711	Bolt M8 x 25 ZP GR8.8	2
7	GA5021455	Gauge, Pressure, Small face, 3500psi	2
8	GA3500211	Hydraulic adaptor, Socket, 1/4" BSPT female x 1/4" BSPT female, S26-0404	2
9	GA4905595	Gauge Air and 2 x Spray Assembly	1
	GA4905590	Gauge Air and Spray Assembly	

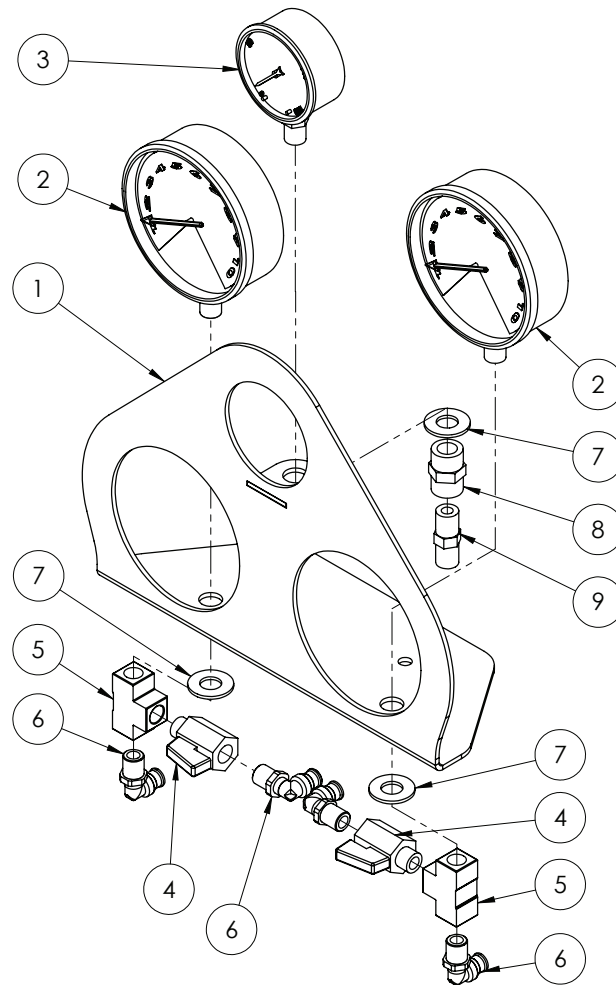
## Gauge - Air & spray assembly



GA4905590 Gauge - Air and Spray Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4505000	Plate Face Gauge Prairie Air and Spray MY13	1
2	GA4948470	Gauge, Pressure, Small face, 160psi	1
3	GA4948460	Gauge, Pressure, Large Face, 160 psi	1
4	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	2
5	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
6	GA5018323	Valve, Ball, 1/4" male / female thread inlet / outlet, SS, Lever handle	1
7	GA5048300	Tee, 1/4" female thread x 1/4" female thread x 1/4" female thread, Brass	1
8	GA3500209	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT female, S25-0404	1

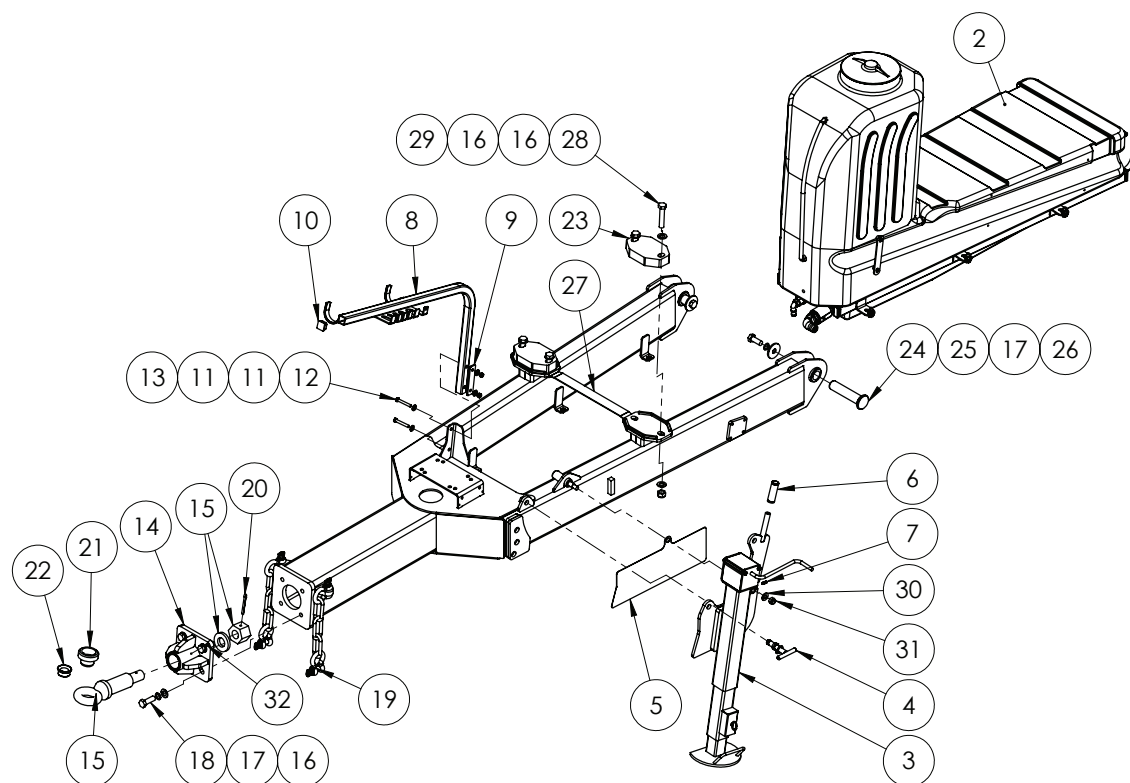
## Gauge - Air & 2 x spray assembly



GA4905595 Gauge Air and 2 x Spray Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659700	Plate Face Gauge Air and 2 x Spray pressure	1
2	GA4948460	Gauge, Pressure, Large Face, 160 psi	2
3	GA4948470	Gauge, Pressure, Small face, 160psi	1
4	GA5018323	Valve, Ball, 1/4" male / female thread inlet / outlet, SS, Lever handle	2
5	GA5048300	Tee, 1/4" female thread x 1/4" female thread x 1/4" female thread, Brass	2
6	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	4
7	GA5000587	Washer 12mm Flat ZP Heavy Duty	3
8	GA3500211	Hydraulic adaptor, Socket, 1/4" BSPT female x 1/4" BSPT female, S26-0404	1
9	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male, S27-0404	1

## Pull - 4/5/6500lt models



Chain and rings that retain the jack bolt are not shown  
 2x GA5002077 Key ring  
 1x Chain (GA5001491) 2mm x 20 (cut 250mm)  
 Safety tow Chain not listed  
 2x 1m GA5065030

Note: GA4905650 - Chain safety complete kit MY13

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659545	Pull, Prairie 4000, 5000 and 6500L MY13	1
2	GA4901125-EF	Tank, 400L flush water belly tank, Fitment components	1
3	GA4656436	Jack Prairie Advance EF 5000/6500L	1
4	GA4656437	Jack T bolt Prairie Advance EF	1
5	GA4522297	Prairie EF jack wear plate	1
6	GA5066700	Handle bar grip suit jack handle black	1
7	GA5009639	Grease nipple, Long, 1/4" UNF male thread, 1 1/8" long	1
8	GA4657665	Hose support arm suit EF pull	1
9	GA4522926	EF pull hose support backing plate	1
10	GA5002911	35 x 35mm square tube insert black	1
11	GA5000117	Washer 10mm Flat SS Heavy Duty	4
12	GA5011163	Bolt M10 x 70 ZP GR8.8	2
13	GA5000141	Nut M10 Nyloc ZP	2
14	GA4659555	Welded towing eye - angled MY13	1
15	GA5016243	Towing eye, Suit trailing sprayer, No insert bush	1
16	GA5001739	Washer 20mm Flat Heavy Duty SS	12

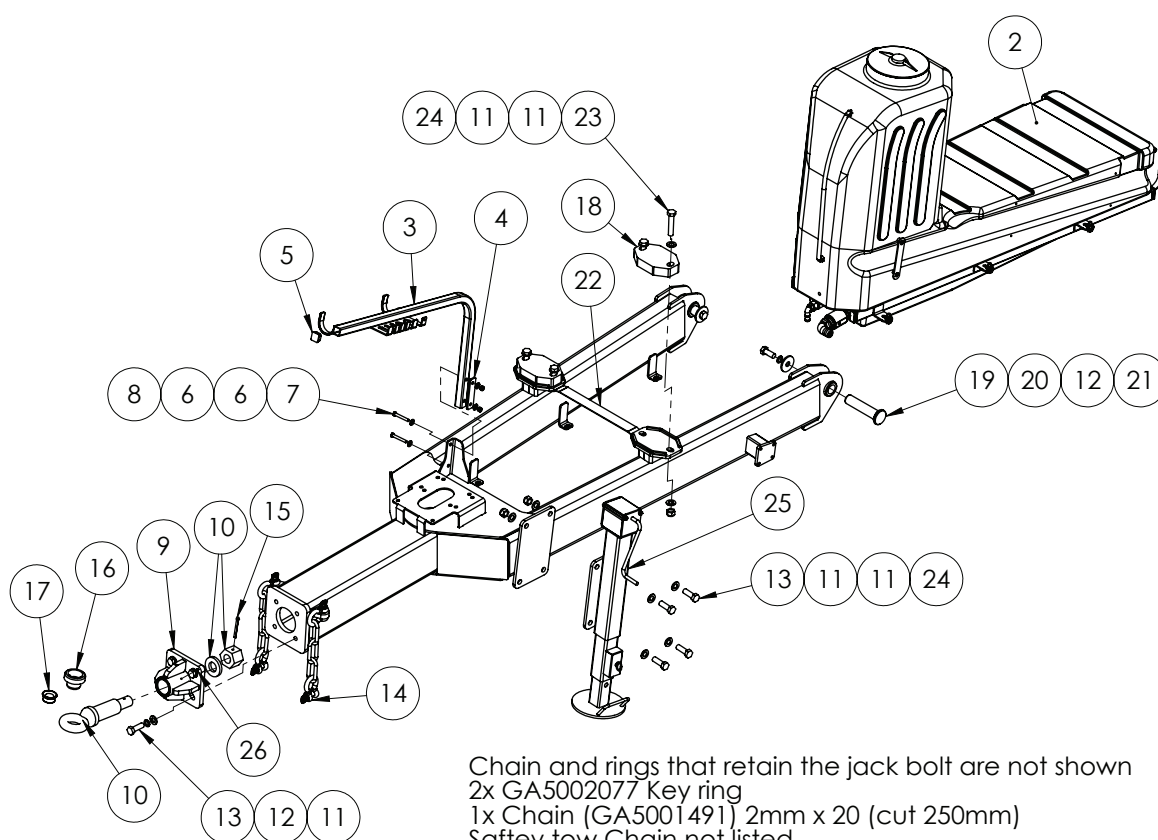
Continued over page



## Pull - 4/5/6500lt models

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
17	GA5001721	Washer 20mm Spring SS	6
18	GA5011333	Bolt M20 x 60 ZP GR8.8	4
19	GA5000667	Shackle, Bow, 16mm, Galvanised	4
20	GA5051385	Split Pin M8 x 90	1
21	GA4582455	Bush, For 1 1/2" pin, Tow eye, Urethane 90 duro	1
22	GA5075075	Bush, 35 ID x 50mm OD, Suit towing eye, Steel	1
23	GA5061070	Spacer Pull EF (80 Duro Urethane Black)	2
24	PCH-019MACH	Pin with flanged end, 39.5 minor OD x 188mm long	2
25	L073A	Washer, suit drawbar pin	2
26	GA5011319	Bolt M20 x 50 ZP GR8.8	2
27	GA4522385	Prairie EF belly tank retaining strap	1
28	GA5048355	Bolt, M20 x 100, ZP GR8.8	4
29	GA5048125	Nut M20 Nyloc Coarse ZP	4
30	GA5001009	Washer 16mm Flat ZP Heavy Duty	1
31	GA5001029	Nut M16 Nyloc ZP	1
32	GA5012203	Grease nipple, Short, 1/4" UNF	1
	GA5054690	Cap M20 hex nut cover (not shown)	4

## Pull - 7500/8500lt models



Chain and rings that retain the jack bolt are not shown  
 2x GA5002077 Key ring  
 1x Chain (GA5001491) 2mm x 20 (cut 250mm)  
 Safety tow Chain not listed  
 2x 1m GA5065030

Note: GA4905650 - Chain safety complete kit MY13

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659550	Pull Prairie 7500 and 8500L MY13	1
2	GA4901125-EF	Tank, 400L flush water belly tank, Fitment components	1
3	GA4657665	Hose support arm suit EF pull	1
4	GA4522926	EF pull hose support backing plate	1
5	GA5002911	35 x 35mm square tube insert black	1
6	GA5000117	Washer 10mm Flat SS Heavy Duty	4
7	GA5011163	Bolt M10 x 70 ZP GR8.8	2
8	GA5000141	Nut M10 Nyloc ZP	2
9	GA4659555	Welded towing eye - angled MY13	1
10	GA5016243	Towing eye, Suit trailing sprayer, No insert bush	1
11	GA5001739	Washer 20mm Flat Heavy Duty SS	20
12	GA5001721	Washer 20mm Spring SS	6
13	GA5011333	Bolt M20 x 60 ZP GR8.8	8
14	GA5000667	Shackle, Bow, 16mm, Galvanised	4
15	GA5051385	Split Pin M8 x 90	1
16	GA4582455	Bush, For 1 1/2" pin, Tow eye, Urethane 90 duro	1
17	GA5075075	Bush, 35 ID x 50mm OD, Suit towing eye, Steel	1
18	GA5061070	Spacer Pull EF (80 Duro Urethane Black)	2

Continued over page

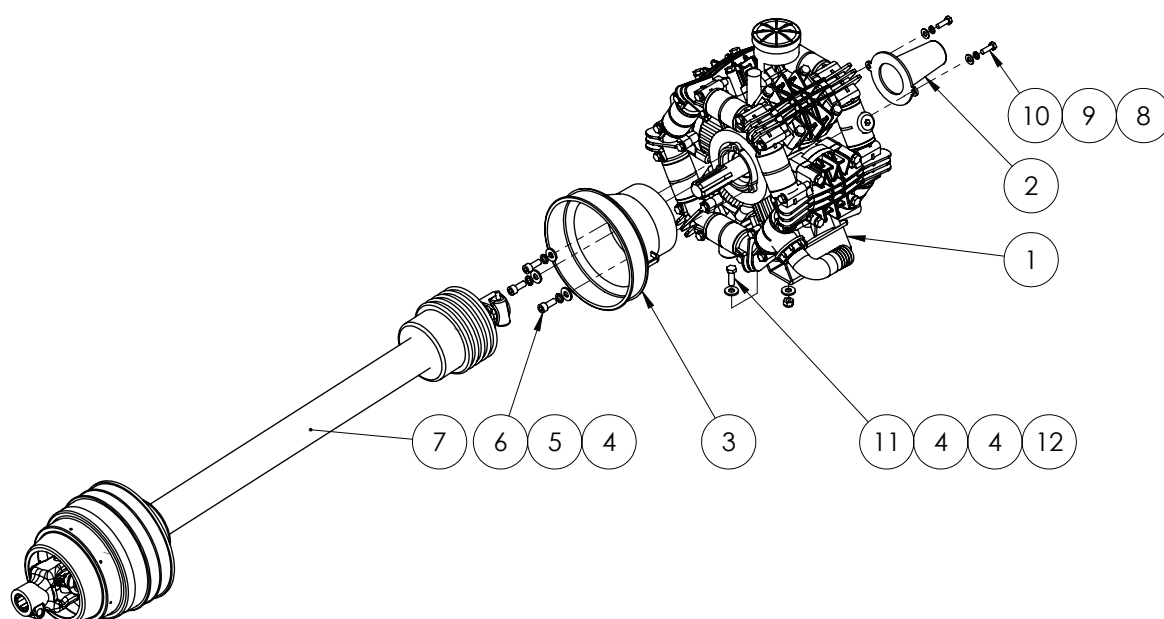
## Pull - 7500/8500lt models

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
19	PCH-019MACH	Pin with flanged end, 39.5 minor OD x 188mm long	2
20	L073A	Washer, suit drawbar pin	2
21	GA5011319	Bolt M20 x 50 ZP GR8.8	2
22	GA4522385	Prairie EF belly tank retaining strap	1
23	GA5048355	Bolt, M20 x 100, ZP GR8.8	4
24	GA5048125	Nut M20 Nyloc Coarse ZP	8
25	GA4656439	Jack, suit Evo 7500 and 8500 and Prairie Advance 8000L	1
26	GA5012203	Grease nipple, Short, 1/4" UNF	1
	GA5054690	Cap M20 hex nut cover (not shown)	4

## Chapter 2

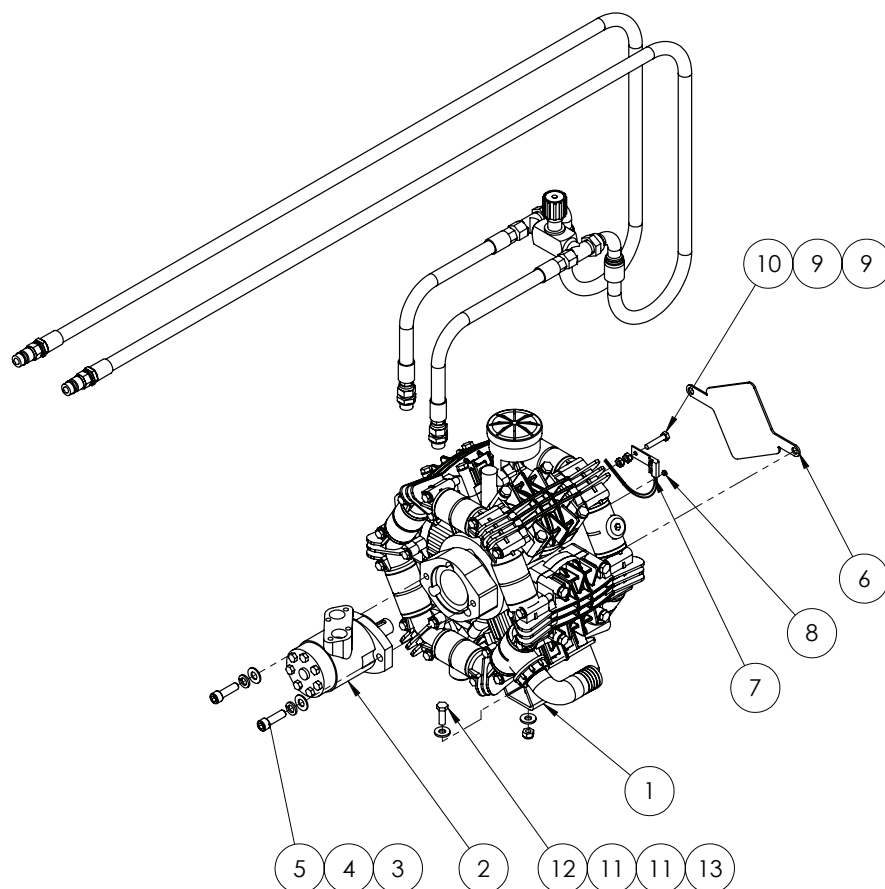
### PUMPS

#### Pump - Zeta 260 PTO Shaft drive



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054505	Pump, Diaphragm type, Zeta 260, Through shaft PTO drive, Udor	1
2	GA5013499	Guard, Plastic, PTO protector suit rear of 2C pumps	1
3	GA5076401	PTO cover, RO/KAPPA/ALFA GREEN CARDAN PROTECTION, 121950	1
4	GA5000117	Washer 10mm Flat SS Heavy Duty	11
5	GA5000137	Washer 10mm Spring SS	3
6	GA5071085	SHCS M10 x 25 ZP GR12.9	3
7	GA5013511	PTO Shaft wide angle suit Advance EF 1.05m	1
	GA5060830	PTO shaft standard angle 1.05m, suits EF special	
8	GA5004883	Washer 8mm Flat ZP Heavy Duty	2
9	GA5004919	Washer 8mm Spring SS	2
10	GA5004711	Bolt M8 x 25 ZP GR8.8	2
11	GA5065455	Bolt M10 x 30 ZP GR8.8	4
12	GA5000141	Nut M10 Nyloc ZP	4

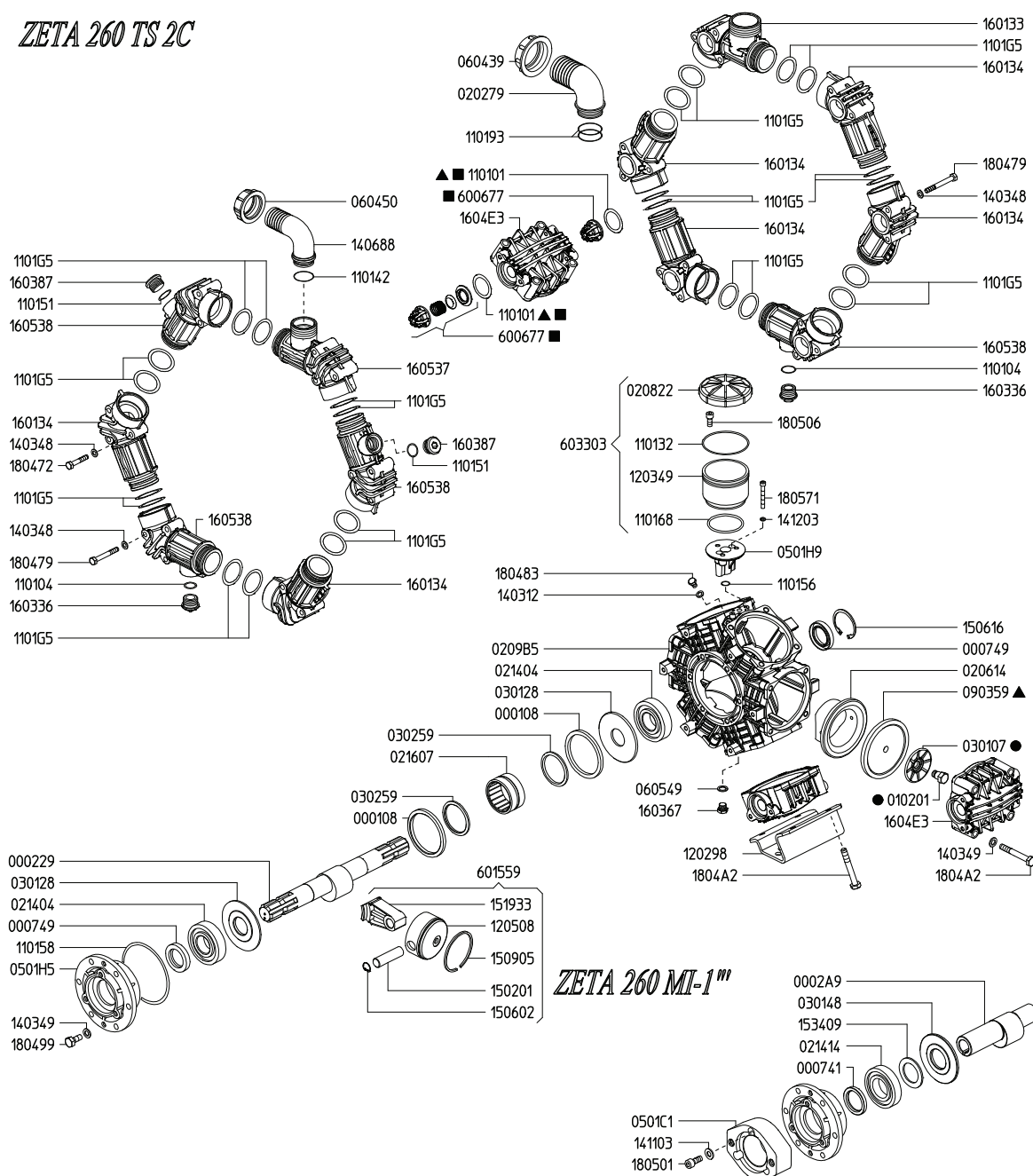
## Pump - Zeta 260 MI Hydraulic Drive



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	GA5000587	Washer 12mm Flat ZP Heavy Duty	2
4	GA5000575	Washer 12mm Spring SS	2
5	GA5000321	SHCS M12 x 40 ZP GR12.9	2
6	PUMPCOVER250	Plate, Rear Pump Shaft Cover, RO250, Zeta 260 and 300	1
7	GA5076307	Sensor, Spray pump RPM, suit 4400 / 4070, Raven, 1170159929	1
8	GA5016169	Magnet, High strength, 12mm diameter x 1.5mm thick	1
9	GA5011499	Nut M8 Hex ZP	2
10	GA5048655	Bolt M8 x 40 ZP GR8.8	1
11	GA5000117	Washer 10mm Flat SS Heavy Duty	8
12	GA5065455	Bolt M10 x 30 ZP GR8.8	4
13	GA5000141	Nut M10 Nyloc ZP	4
14	GA5067186	Hose assembly kit hydraulic drive suit hose support MY10	1

## Pump - Zeta 260 Pump Breakdown

### *ZETA 260 TS 2C*



### *ZETA 260 MI-1"*

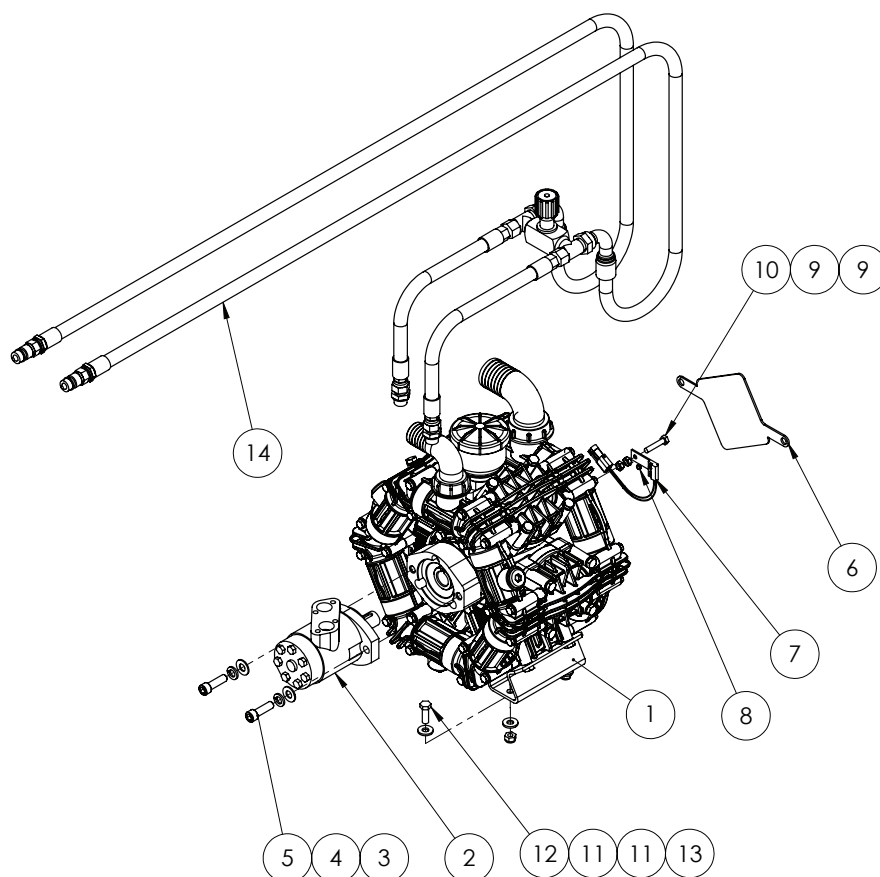
GA5054500 Pump Zeta 260 MI-I

GA5054505 Pump, Diaphragm type, Zeta 260, Through shaft PTO drive, Udor

ZETA 260 SPARE PARTS	
PART No.	DESCRIPTION
KIT-ZETA260-D	Pump Diaphragm Kit suit Zeta 260 and RO250 Udor Pumps
KIT-ZETA260-C	Pump rebuild kit, includes diaphragms, seals & valves, Suits both Zeta 260 and RO250 in PTO and Hyd Drive

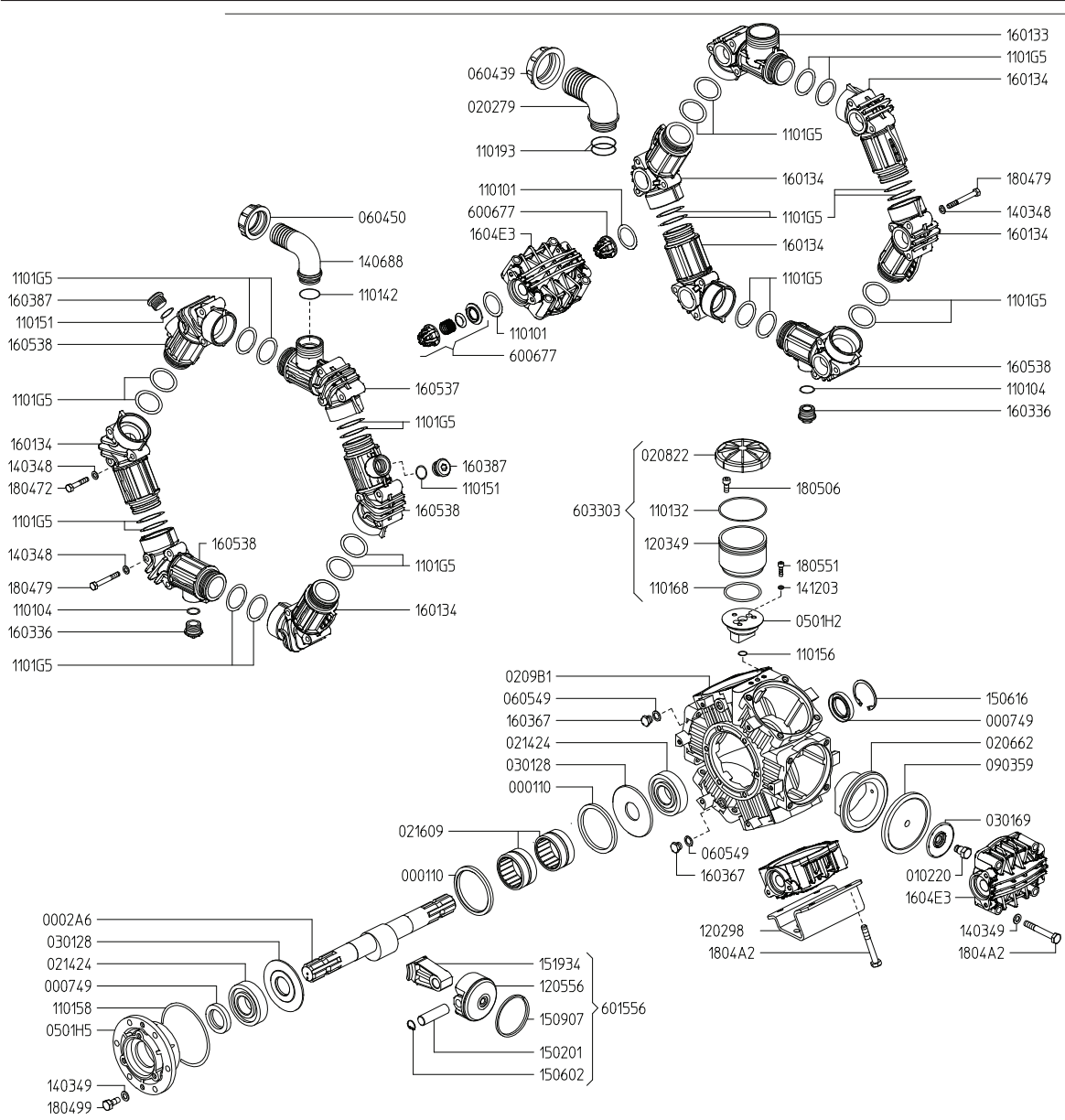


## Pump - Zeta 300 MI Hydraulic Drive



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054520	Pump Zeta 300 MI-25	1
2	GA5047515	Motor, hydraulic, 80cc/rev, 25.4mm shaft, Suit spray pump drive	1
3	GA5000587	Washer 12mm Flat ZP Heavy Duty	2
4	GA5000575	Washer 12mm Spring SS	2
5	GA5000321	SHCS M12 x 40 ZP GR12.9	2
6	PUMPCOVER250	Plate, Rear Pump Shaft Cover, RO250, Zeta 260 and 300	1
7	GA5076307	Pump RPM sensor with Connector suit 4400/4070	1
8	GA5016169	Magnet, High strength, 12mm diameter x 1.5mm thick	1
9	GA5011499	Nut M8 Hex ZP	2
10	GA5048655	Bolt M8 x 40 ZP GR8.8	1
11	GA5000117	Washer 10mm Flat SS Heavy Duty	8
12	GA5065455	Bolt M10 x 30 ZP GR8.8	4
13	GA5000141	Nut M10 Nyloc ZP	4
14	GA5067186	Hose assembly kit hydraulic drive suit hose support MY10	1

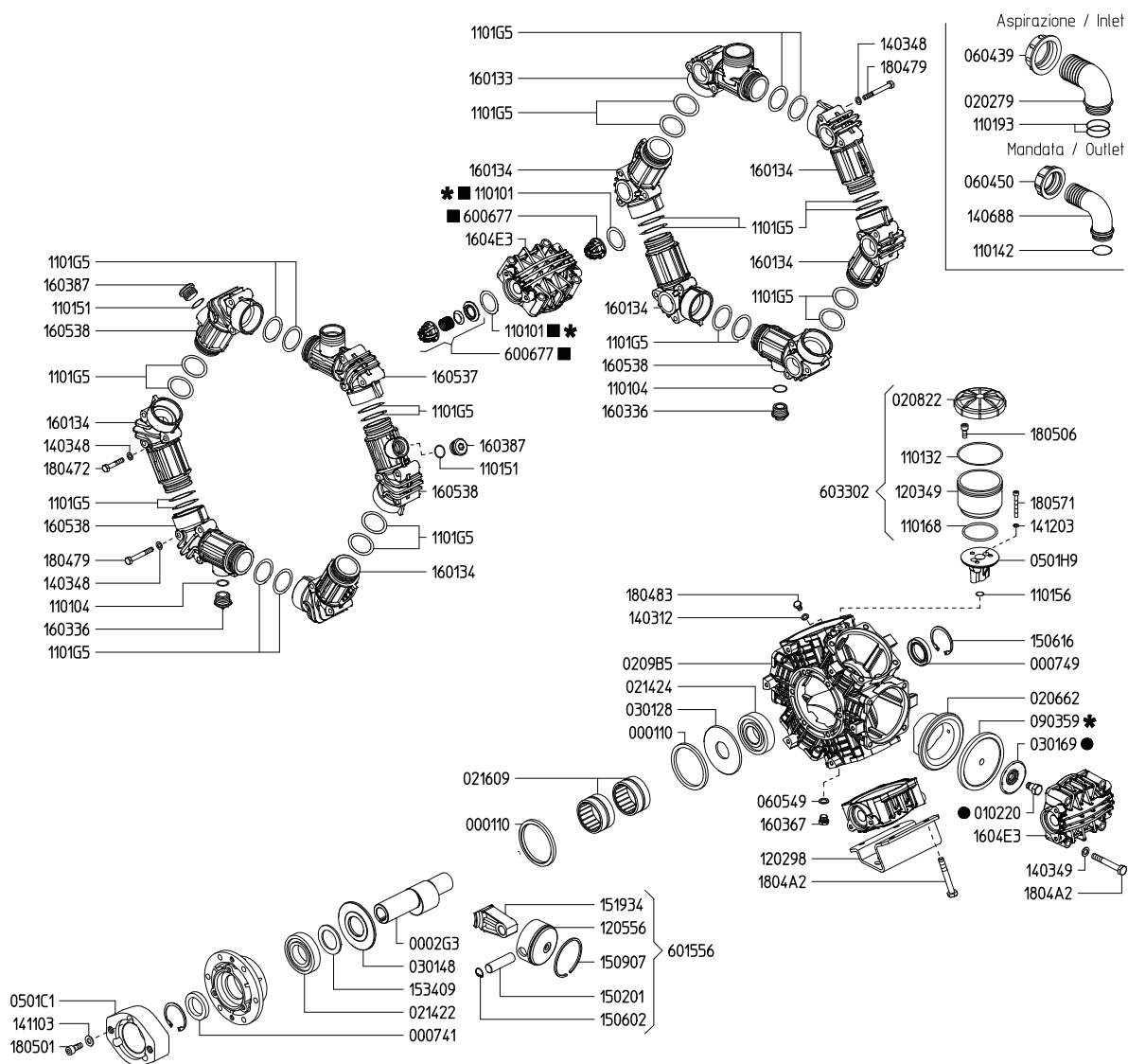
# Pump - Zeta 300 PTO Pump Breakdown



GA5054525      Pump Zeta 300 PTO TS 2C

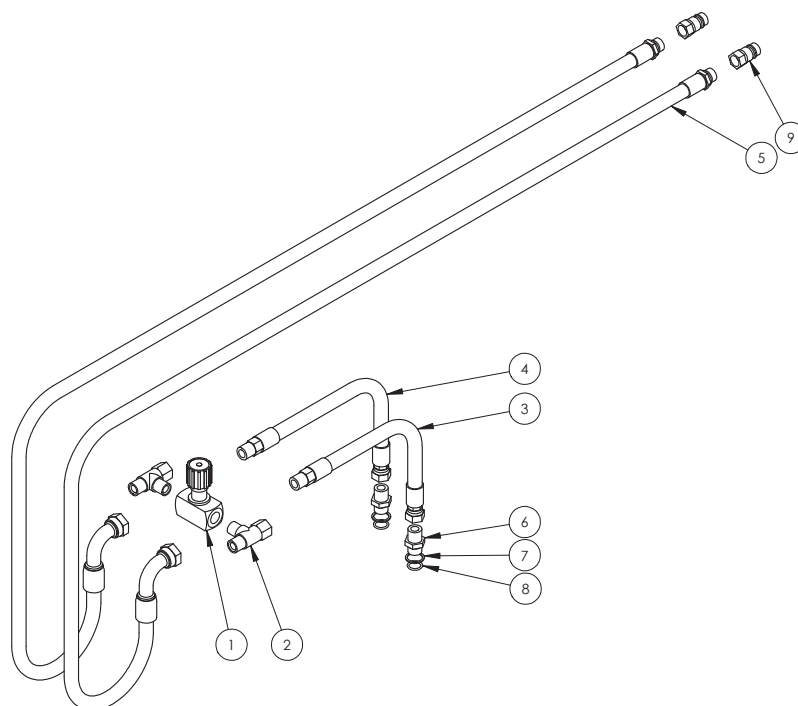
ZETA 300 SPARE PARTS	
PART No.	DESCRIPTION
KIT-ZETA300-D	Pump Diaphragm Kit suit Zeta 300 Pumps
KIT-ZETA300-C	Pump rebuild kit, includes diaphragms, seals & valves, Zeta 300

# Pump - Zeta 300 Hydraulic Pump Breakdown



GA5054520 Pump Zeta 300 MI-25

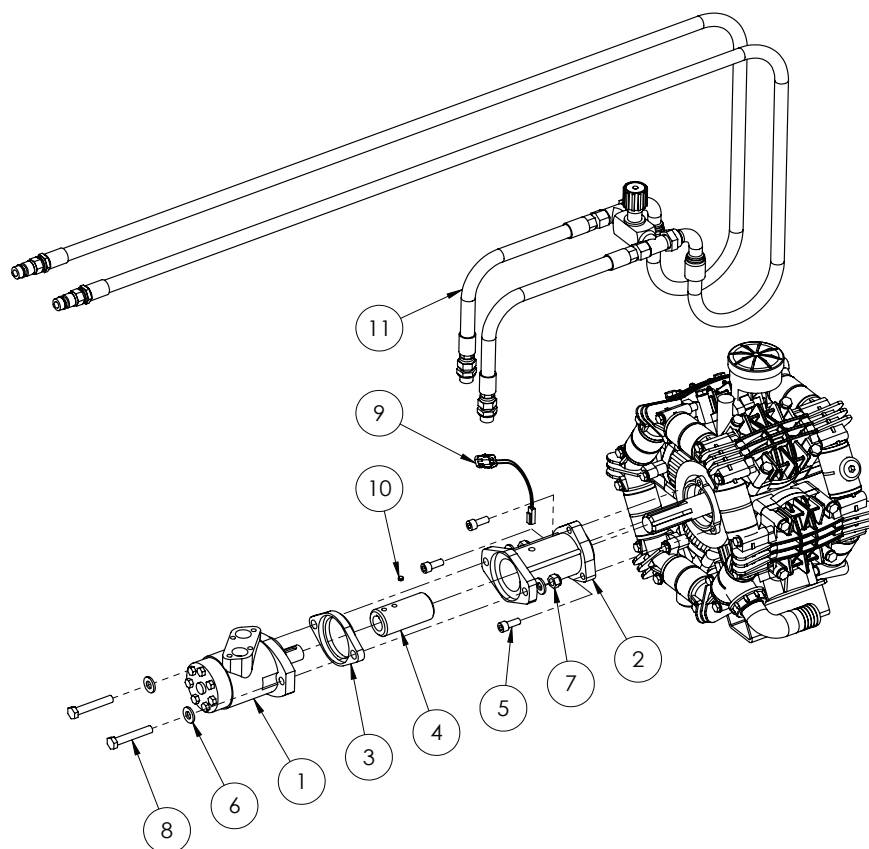
## Hydraulic hose assembly kit



GA5067186 Hose assembly kit hydraulic drive suit hose support MY10

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018221	Valve check needle throttle 1/2"	1
2	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel, SI 67-080808	2
3	GA4922110	Hyd hose suit EF MY10 pump end short	1
4	GA4922115	Hyd hose suit EF MY10 pump end long	1
5	GA4922105	Hyd hose suit EF MY10 tractor end	2
6	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male, S75-0808	2
7	GA5076891	Ring, Retaining BSPP 1/2", 36B-08	2
8	GA5078121	O-Ring BSPP 1/2"	2
9	GA5078000	Quick connect fitting, 1/2 male tip x 1/2 female thread, R81-08M	2
	GA5052365	Cover, Green plastic, Suit hydraulic quick connect fitting R81-08M	2

## Hydraulic drive conversion kit

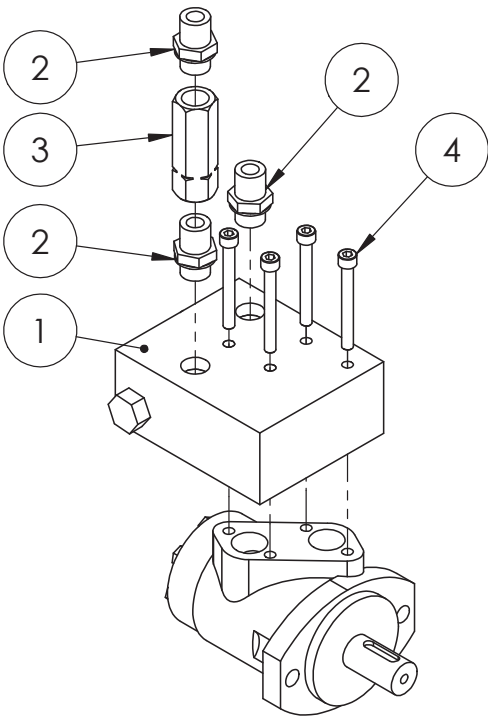


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047515	Motor, hydraulic, 80cc/rev, 25.4mm shaft	1
2	GA5077663	Adaptor, Hydraulic motor to Udon PTO pump only, kit includes housing, coupler, 2 grub screws, 3 bolts, F700416600	1
3	GA4552100	Spacer plate, Suit adapter PTO to hydraulic drive, Udon	1
4	GA5077663	Adaptor, Hydraulic motor to Udon PTO pump only, kit includes housing, coupler, 2 grub screws, 3 bolts, F700416600	1
5	GA5071085	SHCS M10 x 25 ZP GR12.9	3
6	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
7	GA5012461	Nut M12 Nyloc ZP	2
8	GA5000347	Bolt M12 x 70 ZP GR8.8	2
9	GA5076307	Sensor, Spray pump RPM, suit 4400 / 4070, Raven, 1170159929	1
10	GA5016169	Magnet, High strength, 12mm diameter x 1.5mm thick	1
11	GA5067186	Hose assembly kit hydraulic drive suit hose support MY10	1

For machines fitted with 70 series pump RPM monitors:

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	GA5077195	Kit, RPM monitor & sensor, 70 series, Teejet, 90-02328	1
	GA5076542	Teejet speed sensor	1

# Pressure Flow Compensator



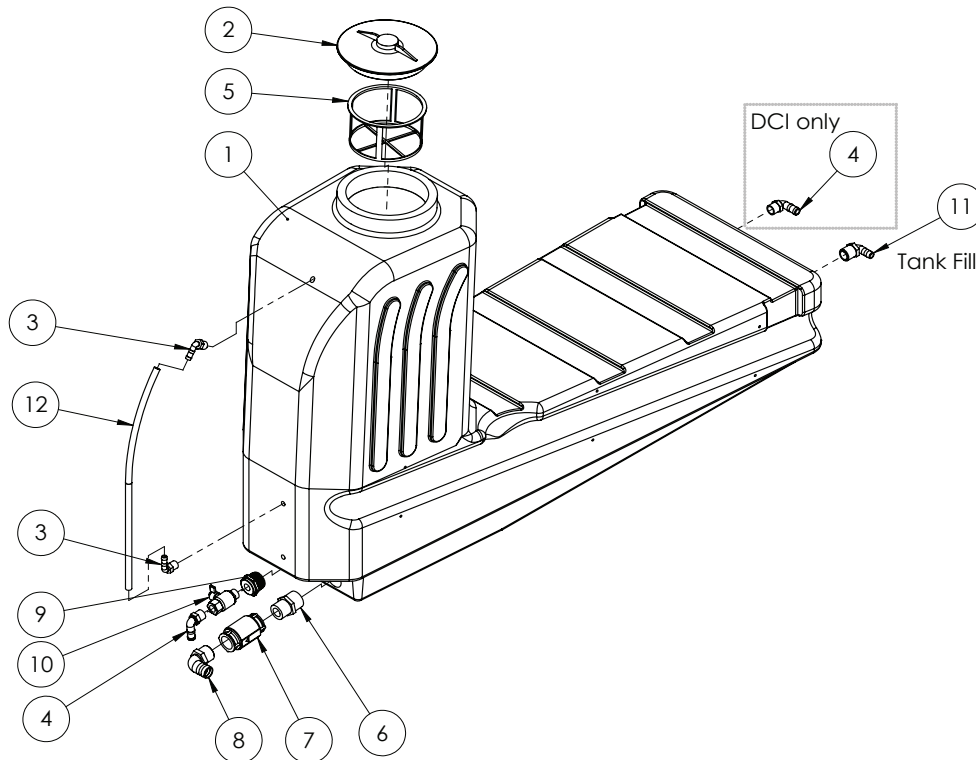
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5049425	Manual flow controll	1
2	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male, S75-0808	3
3	GA5007060	Valve, Check, Hydraulic, 1/2" BSPP female inlet & outlet, 45L/min flow, Maximum 320bar	1
4	GA5049430	SHCS M8 x 70 ZP GR12.9	4



# Chapter 3

## FLUSH TANK

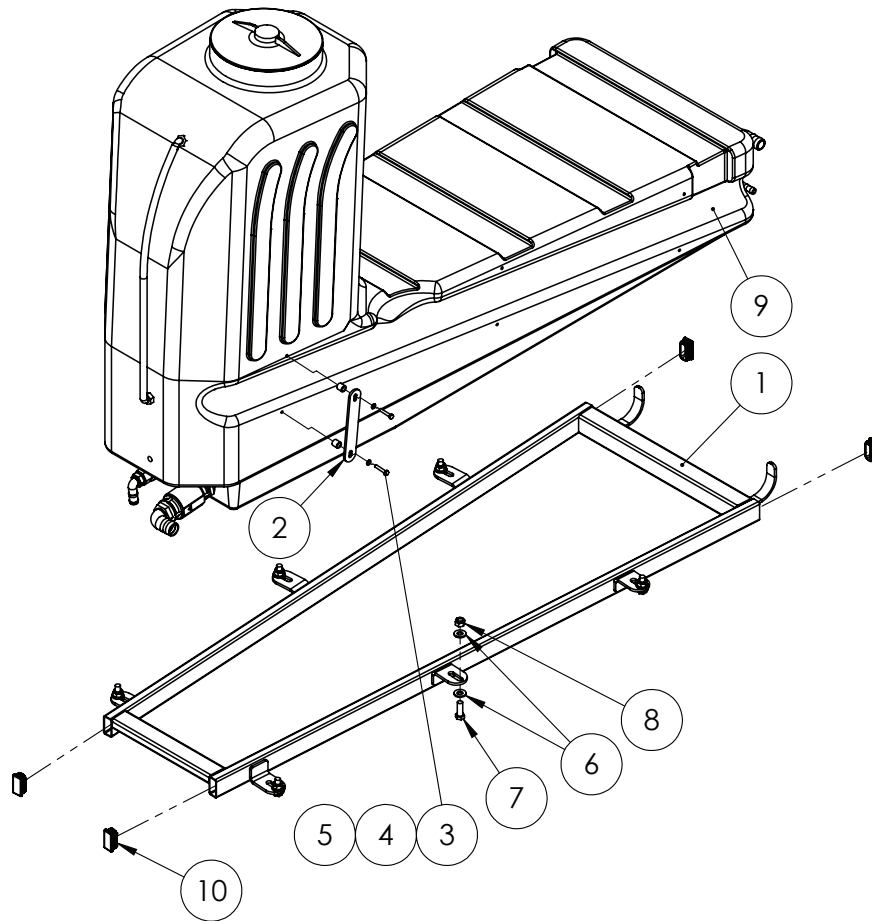
### 400lt Belly Tank



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018367	Tank 400lt Underbelly, Bare	1
2	GA5076882	Lid, Tank, 255 diameter, With breather, 3522221	1
3	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	2
4	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	2
5	GA5076713	Filter Basket type, Diameter 203 x 120 deep, 300110	1
6	GA5078093	Nipple, Reducing, Poly, 1 1/2 x 1 1/4 Male Thread, Banjo, RN150125	1
7	GA5017361	Valve nonreturn 1 1/4"	1
8	GA5077730	Hose barb, Elbow, 90 degree, 1 1/4 male thread x 1 1/4 hose, Banjo, HB125-90	1
9	GA5078017	Bush, Reducing, Poly, 1 1/2 Male Thread x 3/4" Female Thread, Banjo, RB150075	1
10	GA5018315	Valve, Ball, 20mm male & female thread, Black Butterfly handle	1
11	GA5077719	Hose barb, Elbow, 90 degree, 1 male thread x 3/4 hose, Banjo, HB100/075-90	1
12	GA2000209	Hose, Clear, 12mm, Sight tube (cut 660mm long)	1



## 400lt Belly Tank Frame

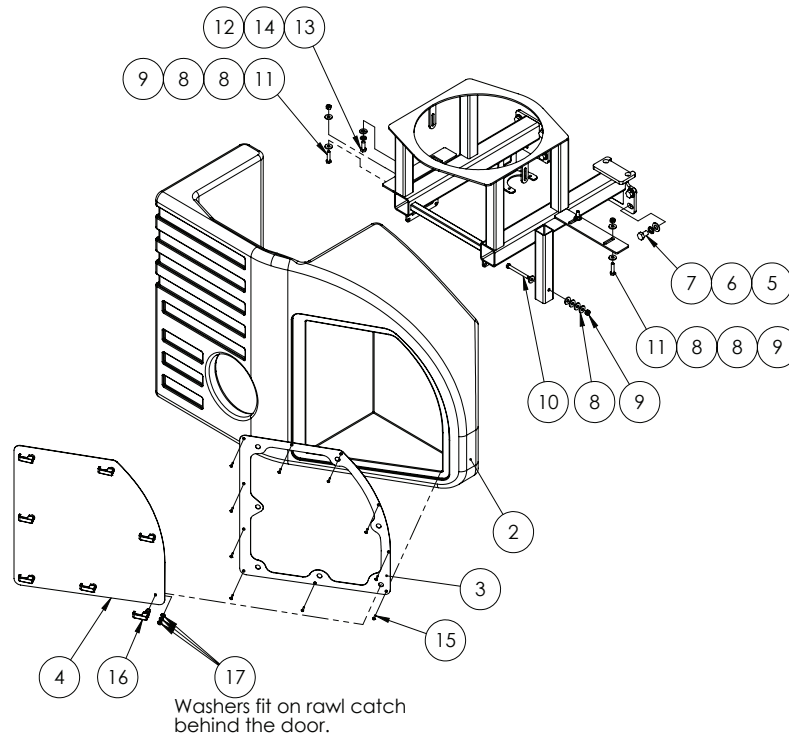


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4654320	Rinse tank frame advance	1
2	F70681A	Hose Strap for Belly Tank	2
3	GA5011405	Bolt M6 x 35 ZP GR8.8	4
4	GA5004437	Washer 6mm Flat SS	4
5	GA4552075	Crush tube, 10.2 ID x 15 OD x 15mm long	4
6	GA5000587	Washer 12mm Flat ZP Heavy Duty	12
7	GA5000311	Set screw, M12 x 35, ZP GR 8.8	6
8	GA5012461	Nut M12 Nyloc ZP	6
9	GA4903087	Pre-assembled 400L rinse water tank	1
10	GA5003733	Tube Insert 50 x 25mm rectangular 0.83	4

# Chapter 4

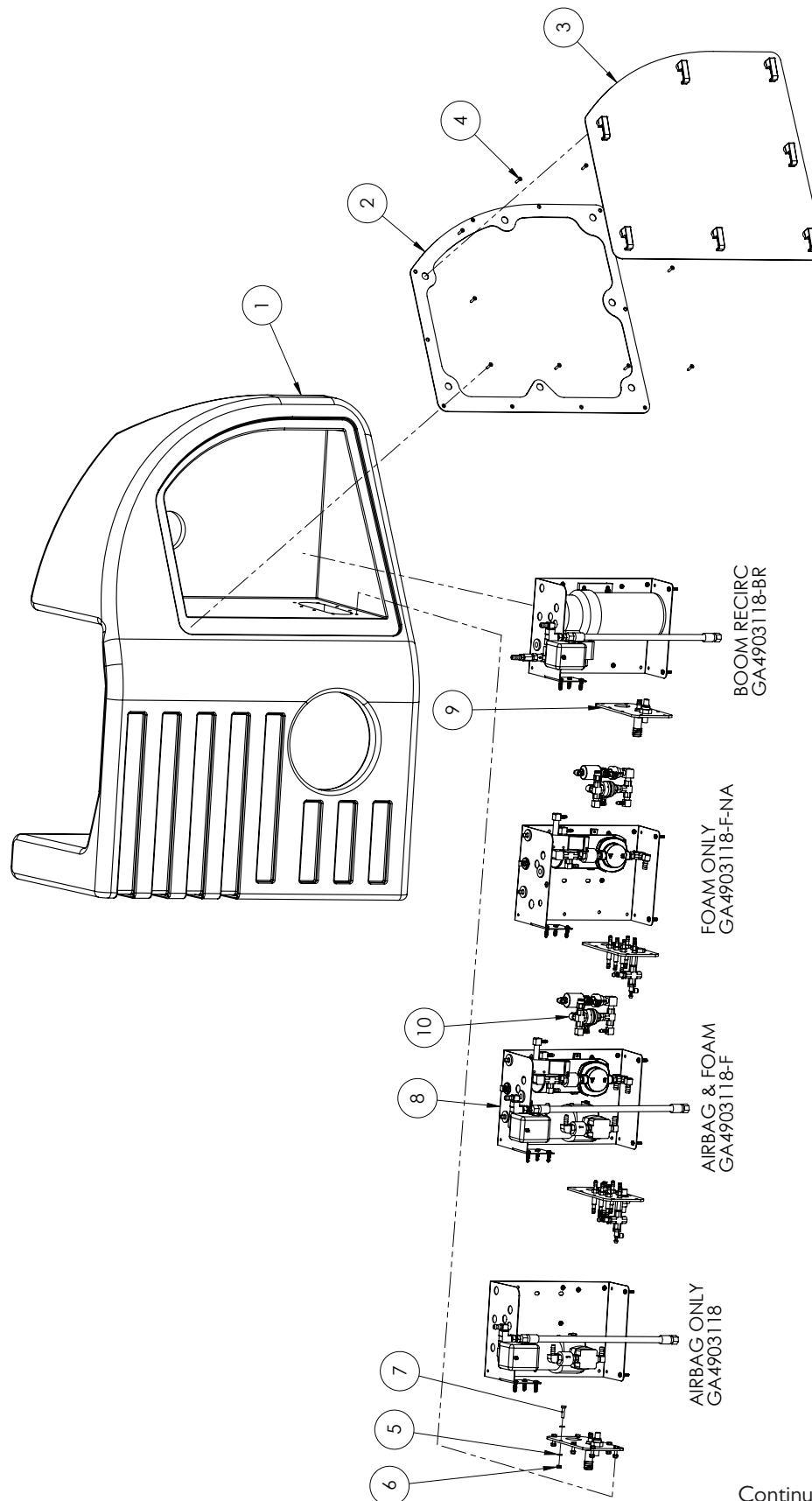
## RIGHT HAND POD

### Prairie Evolution Right Hand Pod



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4654410	Pod Frame Advance Right Hand	1
2	GA4657870	Chassis frame, Trailed fire fighter 1000L 2013	1
3	GA4522585	RHS pod cover door inner	1
4	GA4522580	RHS pod cover door outer	1
5	GA5001043	Washer 16mm Flat SS HD	8
6	GA5000961	Washer 16mm Spring ZP	8
7	GA5000903	Bolt M16 x 25 ZP GR8.8	8
8	GA5002627	Washer, 3/8" ID x 1 1/8" OD, High Tensile	11
9	GA5000141	Nut M10 Nyloc ZP	4
10	GA5011139	Bolt M10 x 100 ZP GR4.6	1
11	GA5006071	Bolt M10 x 40 ZP GR10.9	3
12	GA5000587	Washer 12mm Flat ZP Heavy Duty	1
13	GA5000307	SHCS M12 x 30 ZP GR12.9	1
14	GA5000575	Washer 12mm Spring SS	1
15	GA5014819	Screw 10G x 1" Self Tapper SS	10
16	GA5066600	Rawl action latch suit Advance pod door	7
17	GA5003643	Washer 8mm Flat SS Heavy Duty	21

## Right Hand Side Module - Internal Components

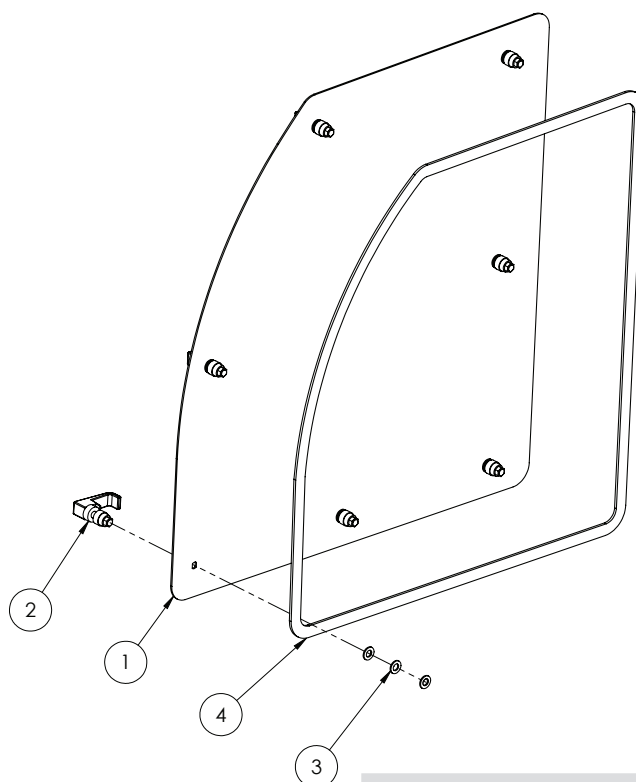


Continued over page

## Right Hand Side Module - Internal Components

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4657870	Chassis frame, Trailed fire fighter 1000L 2013	1
2	GA4522585	RHS pod cover door inner	1
3	GA4906190	Pod Door RH Assembly MY13	1
4	GA5014819	Screw 10G x 1" Self Tapper SS	10
5	GA5004437	Washer 6mm Flat SS	16
6	GA5048115	Nut M6 Nyloc ZP	8
7	GA5004073	Bolt M6 x 25 ZP GR8.8	8
8	GA4903118	Pre-assembled POD RHS ADV EF, non joystick, no Foam, with air bag	1
	GA4903118-F	Pre-assembled POD RHS ADV EF, non joystick, with Foam, with air bag	
	GA4903118-F-NA	Pre-assembled POD RHS Prairie EF, with Foam, no air bag	
	GA4903118-BR	Pod, RH, Compressor Assembly, Rapid Fire, Airbag, Prairie Evo	
	GA4906180	Plumbing intake manifold Air bag only	
9	GA4682635	Plumbing Intake Manifold EF	1
		Intake Manifold - Foam Only	
10	GA4912005	Kit Foam Marker Exhaust Valve	1

## Right Hand Pod Door

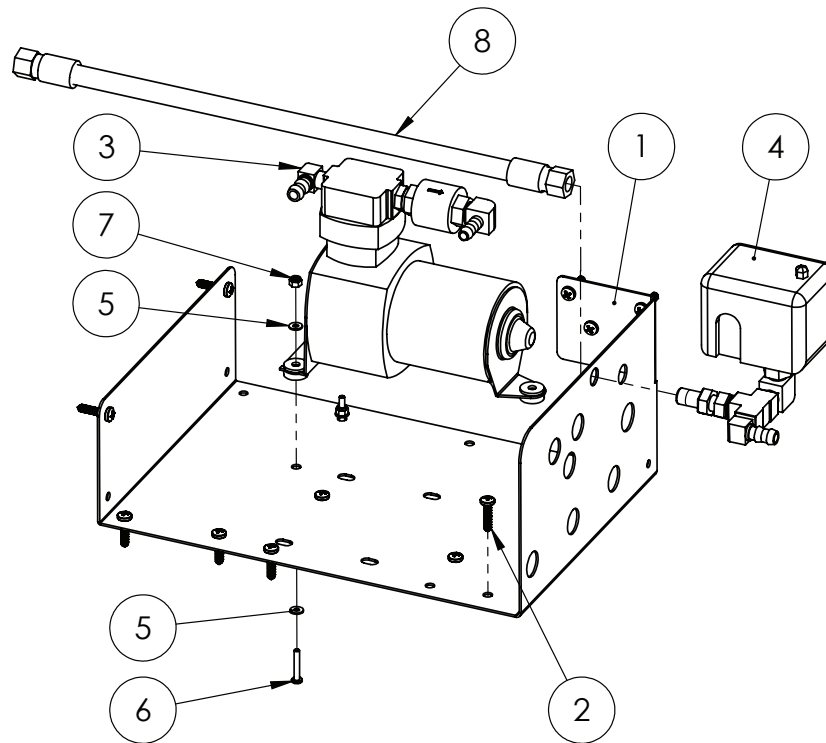


GA4906190

Right Hand Pod Door

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4522580	RHS pod cover door outer	1
2	GA5066600	Rawl action latch, suit Advance pod door	7
3	GA5048115	Nut M6 Nyloc ZP	21
4	GA5016473	Tape PM foam 6.4 x 18 L/Density x 2190mm long	1

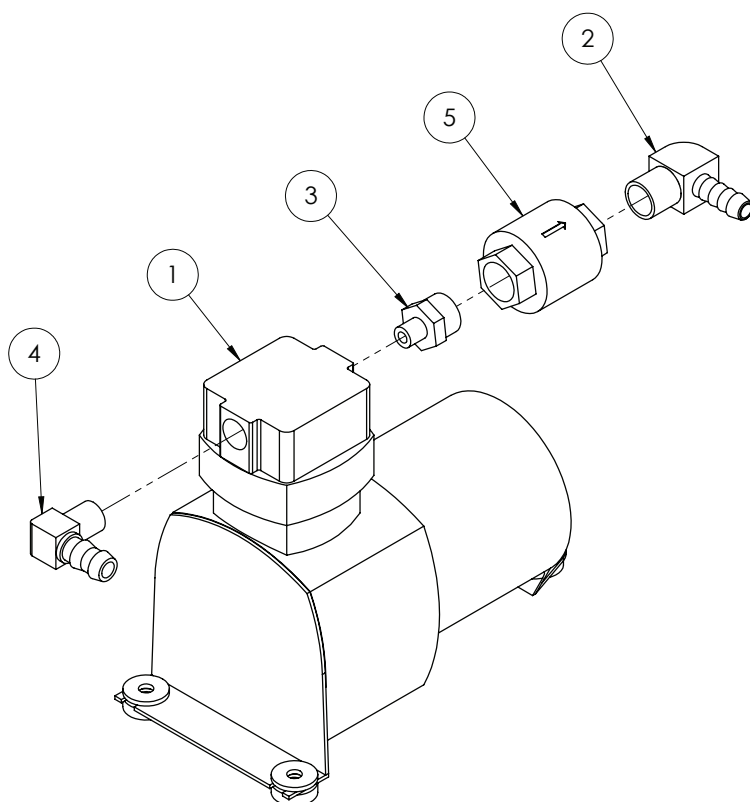
## Airbag Compressor Assembly



GA4903122-EF Airbag Compressor Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70785A	Foam marker/airbag comp plate	1
2	GA5004437	Washer 6mm Flat SS	11
3	GA4906150	Airbag Compressor Assembly MY13	1
4	GA4906175	Airbag Compressor Pressure switch Assembly MY13	1
5	GA5020510	Washer 4mm Flat SS	6
6	GA5049020	Bolt M4 x 25 Pan Head SS	3
7	GA5049025	Nut M4 Nyloc SS	3
8	GA4906200	Hyd Hose Airbag Compressor Assembly MY13	1

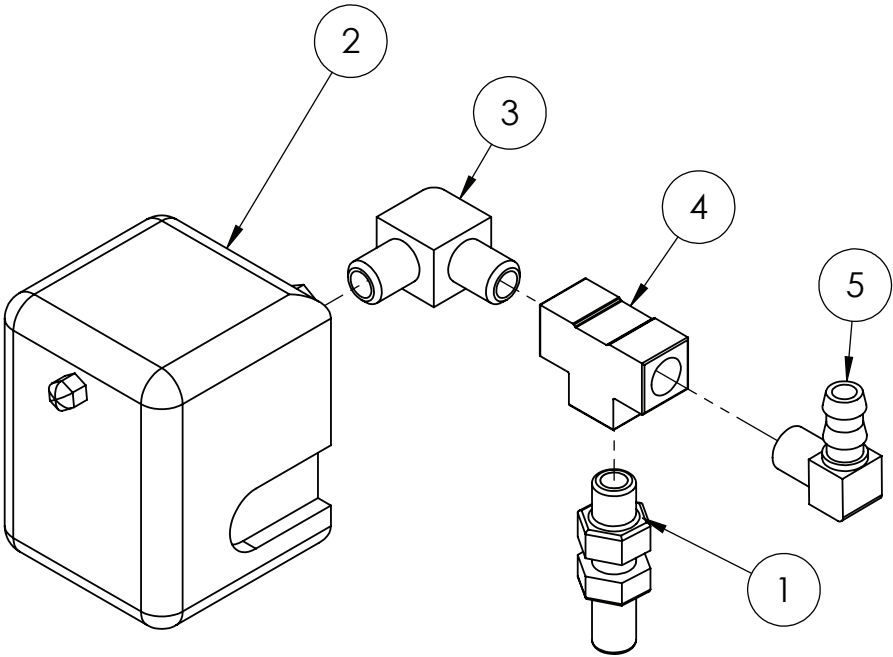
## Airbag Compressor



GA4906150 Airbag Compressor

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018809	Air compressor, Suit airbag, 12V, 30.6L/min, 150psi maximum	1
2	GA5070730	Elbow Brass 3/8" x 3/8"	1
3	GA5020690	Reducing nipple, 1/8" male thread x 3/8" male thread, Brass	1
4	GA5049290	Elbow 1/4" male thread x 3/8" barb brass	1
5	GA5020010	Valve, Check, 3/8" female thread inlet & outlet, Brass	1

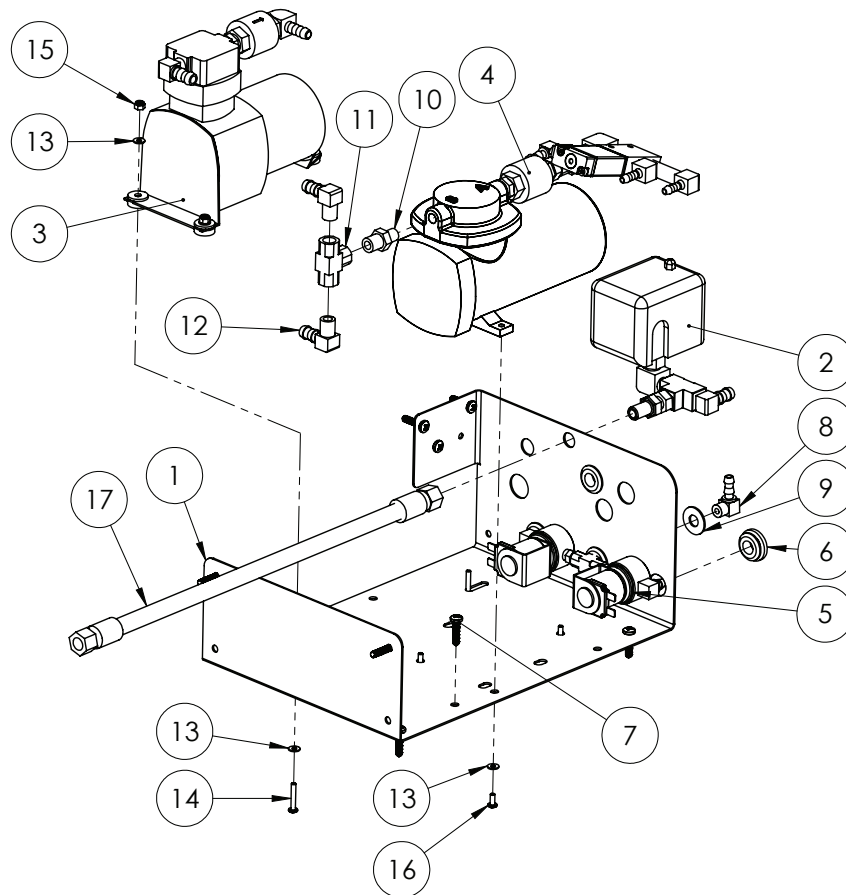
# Pressure Switch



GA4906175		Pressure Switch	
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500249	Hydraulic adaptor, Bulkhead nipple, 1/4" BSPP male x 1/4" BSPP male, S44-0404	1
2	GA5016221	Switch differential Press, suits Air Bag	1
3	GA5008343	Elbow male thread 1/4" x 1/4"	1
4	GA5048300	Tee, 1/4" female thread x 1/4" female thread x 1/4" female thread, Brass	1
5	GA5049290	Elbow 1/4" male thread x 3/8" barb brass	1



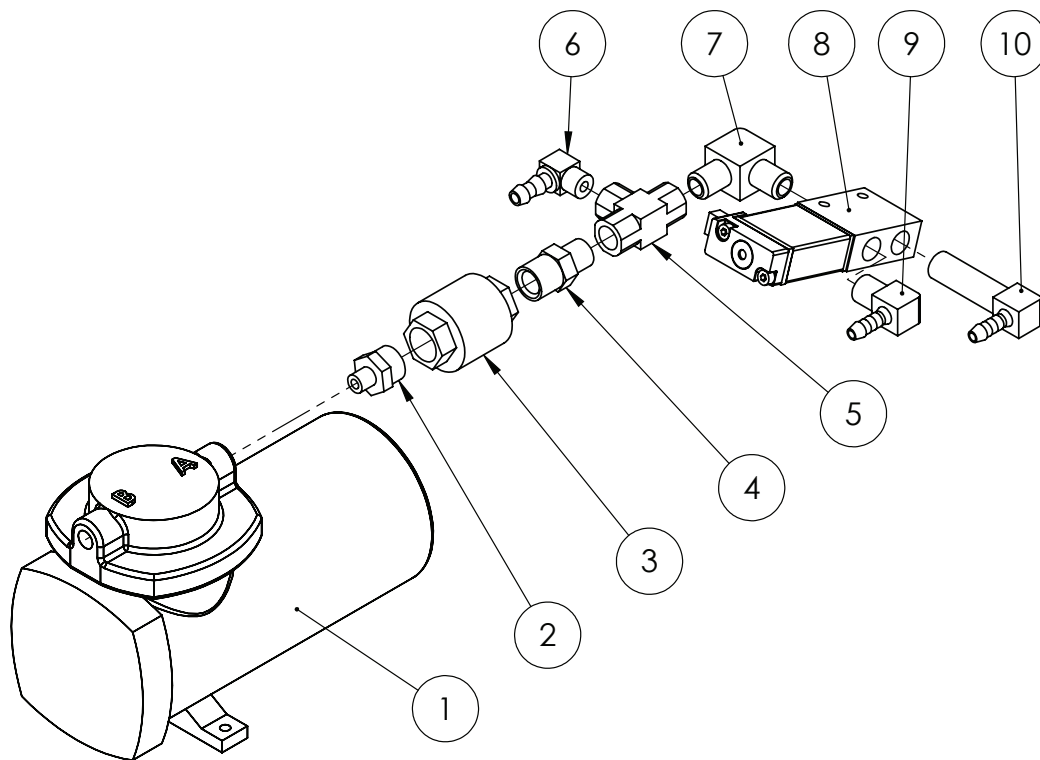
## Airbag & Foam Compressor Assembly



GA4903123-EF Airbag & Foam Compressor Assy

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70785A	Foam marker/airbag comp plate	1
2	GA4906175	Airbag Compressor Pressure switch Assembly MY13	1
3	GA4906150	Airbag Compressor Assembly MY13	1
4	GA4906160	Foam Marker Compressor Assembly MY13	1
5	GA4906165	Foam Marker solenoid Assembly MY13	1
6	GA5012199	Neop Grommet 29mm OD	4
7	GA5004437	Washer 6mm Flat SS	8
8	GA5066950	Barb elbow brass 1/4" x 1/8"	1
9	GA5002565	Washer, 3/8" ID x 1" OD, Flat SS	1
10	GA5013809	Reducing Nipple 1/4" x 1/8"	1
11	GA5048300	Tee, 1/4" female thread x 1/4" female thread x 1/4" female thread, Brass	1
12	GA5049290	Elbow 1/4" male thread x 3/8" barb brass	2
13	GA5020510	Washer 4mm Flat SS	9
14	GA5049020	Bolt M4 x 25 Pan Head SS	3
15	GA5049025	Nut M4 Nyloc SS	3
16	GA5011360	Bolt M4 x 10 Pan Head SS	3
17	GA4906200	Hyd Hose Airbag Compressor Assembly MY13	1

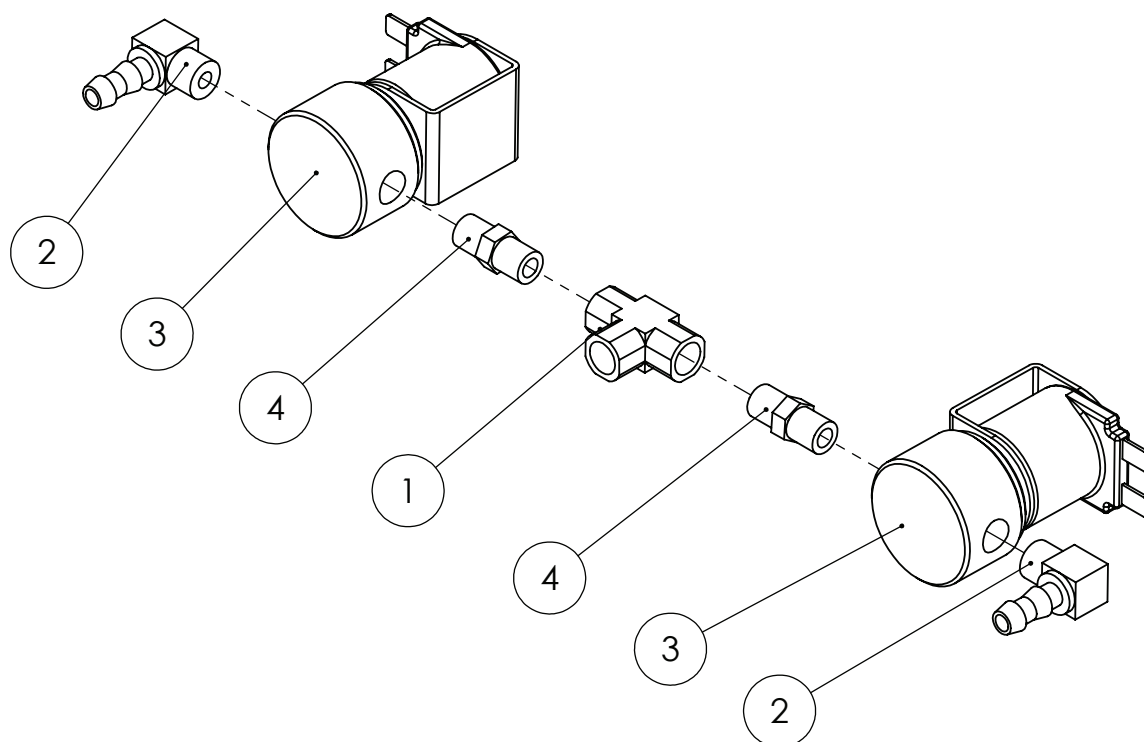
## Foam Marker Compressor



GA4906160 Foam Marker Compressor

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018806	Air compressor, Suit foam marker, 12V 39.6L/min 35psi maximum pressure	2
2	GA5020690	Reducing nipple, 1/8" male thread x 3/8" male thread, Brass	1
3	GA5020010	Valve, Check, 3/8" female thread inlet & outlet, Brass	1
4	GA5045085	Reducing nipple, 3/8" male thread x 1/4" male thread, Brass	1
5	GA5048300	Tee, 1/4" female thread x 1/4" female thread x 1/4" female thread, Brass	1
6	GA5066950	Barb elbow brass 1/4" x 1/8"	1
7	GA5008343	Elbow male thread 1/4" x 1/4"	1
8	GA5002959	Solenoid valve, Electric over air, MAC	1
9	GA5048340	Elbow, 90 degree, 1/4" male thread x 1/4" hose, Brass	1
10	GA5008347	Elbow male barb 1/4" x 1/4" x 40 mm long	1

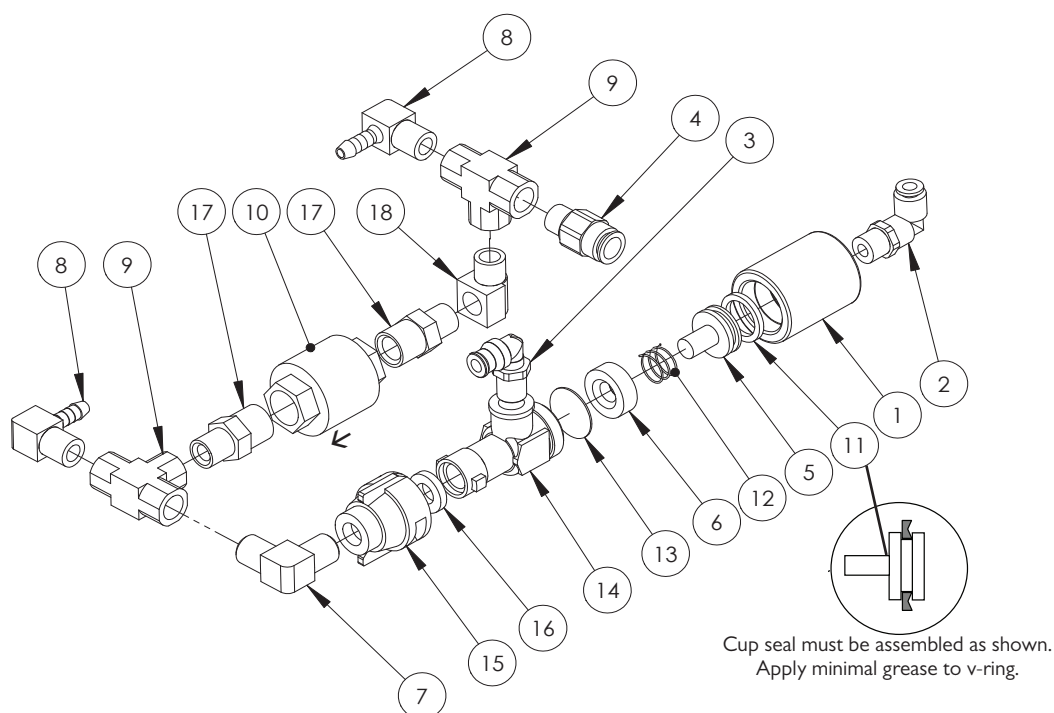
## Foam Marker Solenoids



GA4906165 Foam Marker Solenoids

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5016559	Tee female brass 1/8"	1
2	GA5066950	Barb elbow brass 1/4" x 1/8"	2
3	GA5018395	Solenoid valve, Suit foam marker	2
4	GA5066935	Nipple brass 1/8" x 1/8"	2

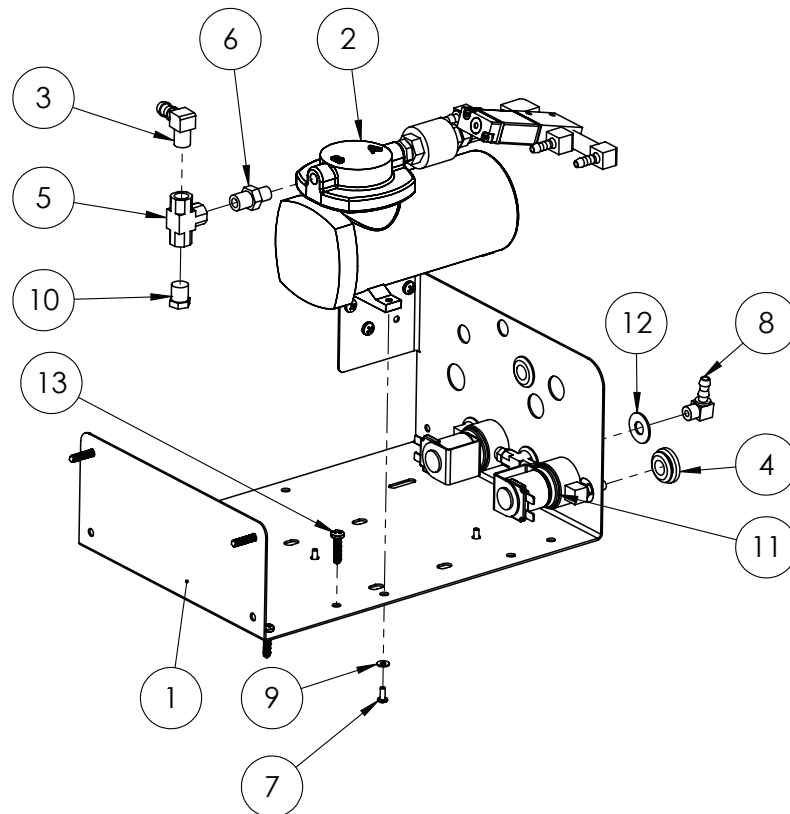
## Foam Marker Exhaust Valve Assembly



GA4912005	Pre Assembled Valve
GA4902160	Exhaust Valve Replacement Service Kit

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4572000	Air Chemsaver Body	1
2	GA5045145	Elbow, Brass, 6mm x 1/8" BSPT	1
3	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	1
4	GA5045140	Pneumatic fitting, Nipple, 1/4" BSPT male x 6mm push type, Brass	1
5	GA4572005	Air Chemsaver Piston	1
6	GA4572010	Air Chemsaver Washer	1
7	GA5008343	Elbow male thread 1/4" x 1/4"	1
8	GA5048340	Elbow, 90 degree, 1/4" male thread x 1/4" hose, Brass	2
9	GA5048300	Tee, 1/4" female thread x 1/4" female thread x 1/4" female thread, Brass	2
10	GA5020010	Valve, Check, 3/8" female thread inlet & outlet, Brass	1
11	GA5077548	SEAL CUP VITON, CP50676-VI	1
12	GA5045090	Spring foam marker 14.2 x 14mm	1
13	GA5077990	Nozzle body, Single, 1/4" NPT female inlet, Teejet, QJ8355-1/4-NYB	1
14	5860036	Arag D.C.V. Complete	1
15	GA5077983	Nozzle cap & washer, Black, Nylon, Teejet, QJ4676-1/4-NYR	1
16	GA5055245	Washer, Nozzle Cap Seal, Rubber, 19 OD x 9 ID, Suit Tee Jet Nozzle, Replaces CPI9438-EPR	1
17	GA5045085	Reducing nipple, 3/8" male thread x 1/4" male thread, Brass	2
18	GA5048305	Elbow, 90 degree, 1/4" BSP male x 1/4" BSP female, Brass	1

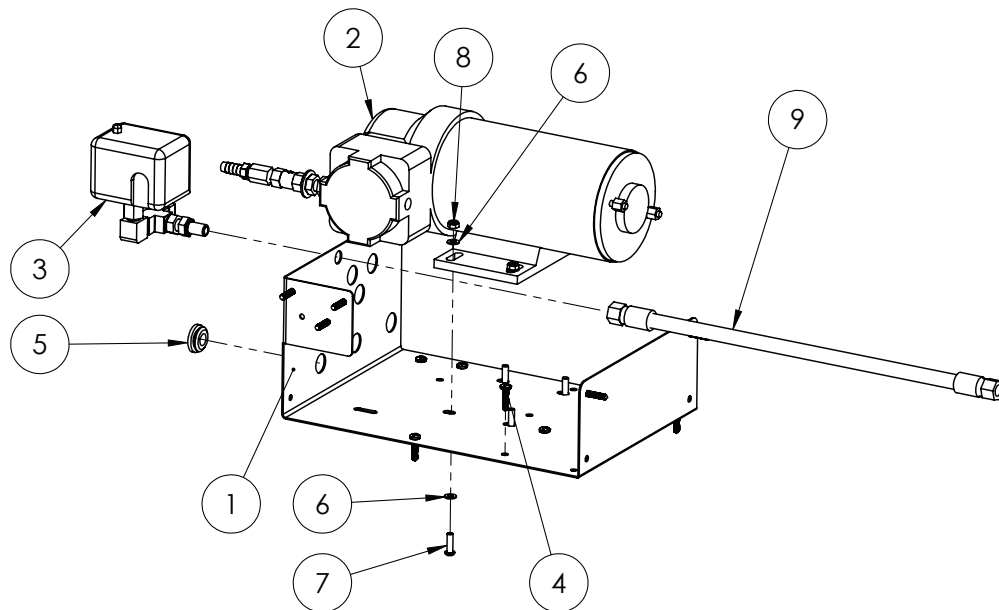
## Foam Marker Compressor Assembly



GA4903118-F-NA Foam Marker Compressor Assy

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70785A	Foam marker/airbag comp plate	1
2	GA4906160	Foam Marker Compressor Assembly MY13	1
3	GA5049290	Elbow 1/4" male thread x 3/8" barb brass	1
4	GA5012199	Neop Grommet 29mm OD	4
5	GA5048300	Tee, 1/4" female thread x 1/4" female thread x 1/4" female thread, Brass	1
6	GA5013809	Reducing Nipple 1/4" x 1/8"	1
7	GA5011360	Bolt M4 x 10 Pan Head SS	3
8	GA5066950	Barb elbow brass 1/4" x 1/8"	1
9	GA5020510	Washer 4mm Flat SS	3
10	GA5069335	Plug, 1/4" BSPT male thread, Brass	1
11	GA4906165	Foam Marker solenoid Assembly MY13	1
12	GA5002565	Washer, 3/8" ID x 1" OD, Flat SS	1
13	GA5004437	Washer 6mm Flat SS	8

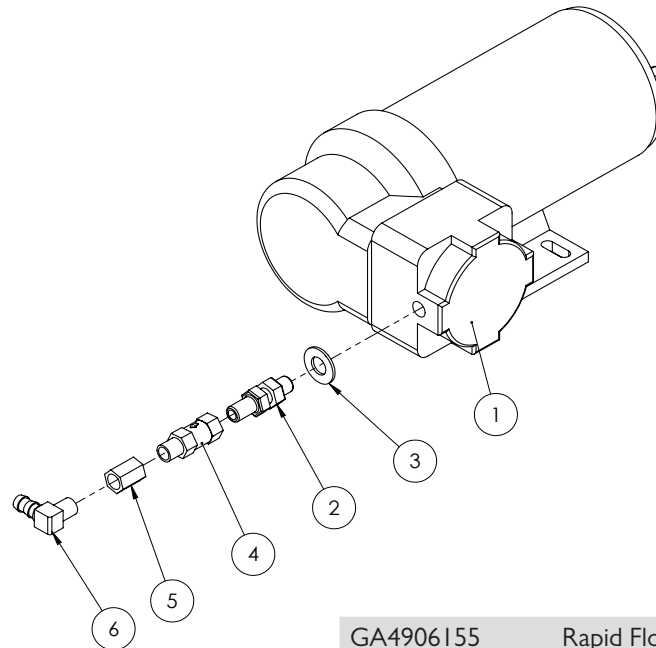
## Rapid Flow Compressor Assembly



GA4906195 Rapid Flow Compressor Assy

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70785A	Foam marker/airbag comp plate	1
2	GA4906155	Rapid Fire Compressor Assembly MY13	1
3	GA4906175	Airbag Compressor Pressure switch Assembly MY13	1
4	GA5004437	Washer 6mm Flat SS	12
5	GA5012199	Neop Grommet 29mm OD	1
6	GA5004437	Washer 6mm Flat SS	8
7	GA5004053	BHCS M6 x 20 SS	4
8	GA5048115	Nut M6 Nyloc ZP	4
9	GA4906200	Hyd Hose Airbag Compressor Assembly MY13	1

## Rapid Flow Compressor

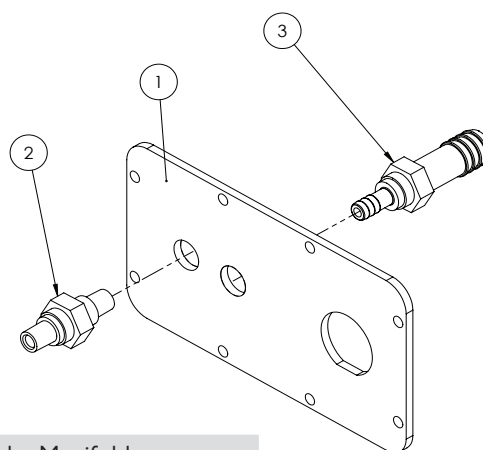


GA4906155

Rapid Flow Compressor

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5053340	Compressor Rapid Fire	1
2	GA3500249	Hydraulic adaptor, Bulkhead nipple, 1/4" BSPP male x 1/4" BSPP male, S44-0404	1
3	GA5066235	Washer 14mm ZP Heavy Duty	1
4	GA5014796	Valve, Check, Pneumatic, 1/4" thread female inlet & male outlet	1
5	GA5066940	Socket, 1/4" female thread, Hex, Brass	1
6	GA5049290	Elbow 1/4" male thread x 3/8" barb brass	1

## Intake Manifold - Airbag Only

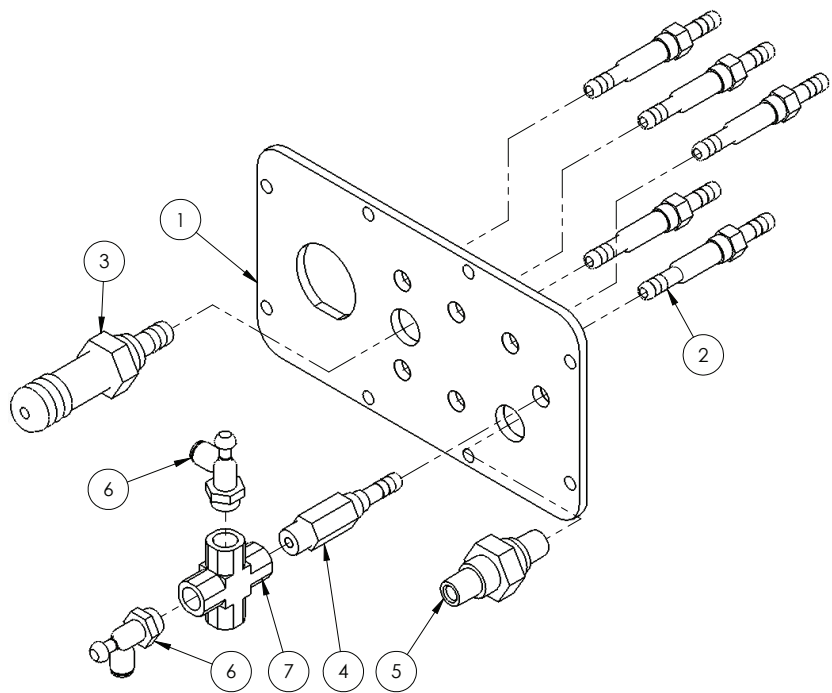


GA4906180

Airbag Intake Manifold

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4524715	Plumbing Manifold Plate EVO air bag only	1
2	GA4582465	1/4" BSPT Nipple, SS, suit RH Pod Manifold	1
3	MACH0129	Barb 3/4" to 3/8"	1

# Intake Manifold - Airbag & Foam

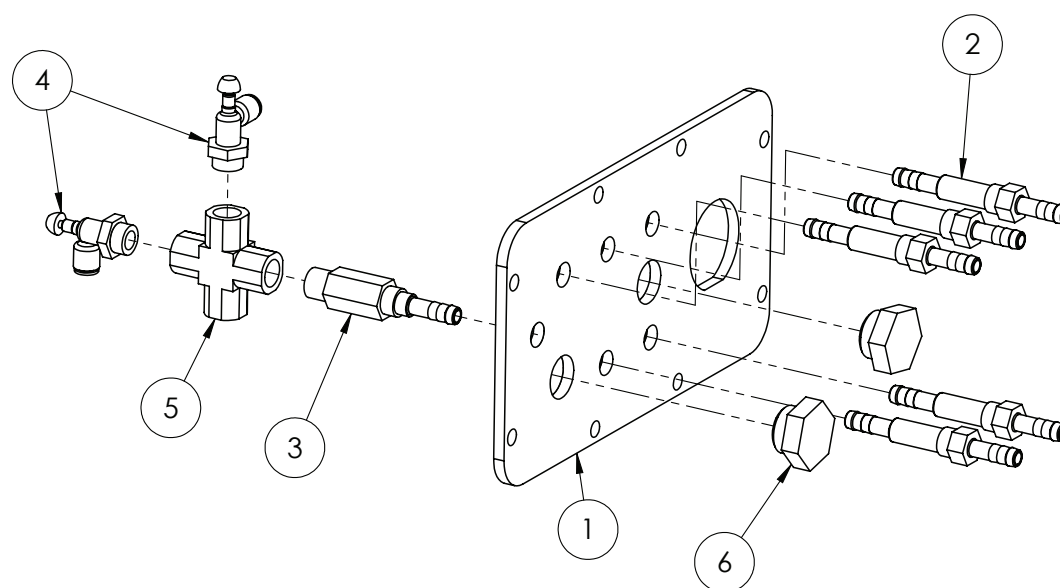


GA4682635      Airbag & Foam Intake Manifold

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70784A	Plumbing Manifold Plate Non Joystick suit air bag and foam	1
2	MACH0128	Adaptor, 1/4" barb to 1/4" barb	5
3	MACH0129	Barb, 3/4" to 3/8"	1
4	MACH0130	Barb, 1/4" to 1/4" BSPT	1
5	GA4582465	1/4" BSPT Nipple, SS, suit RH Pod Manifold	1
6	GA5015643	Valve, Needle, 6mm push type inlet x 1/8" male thread inlet, Legris	2
7	GA3500246	Hydraulic adaptor, Cross, 1/4" BSPT female, S32-04040404	1



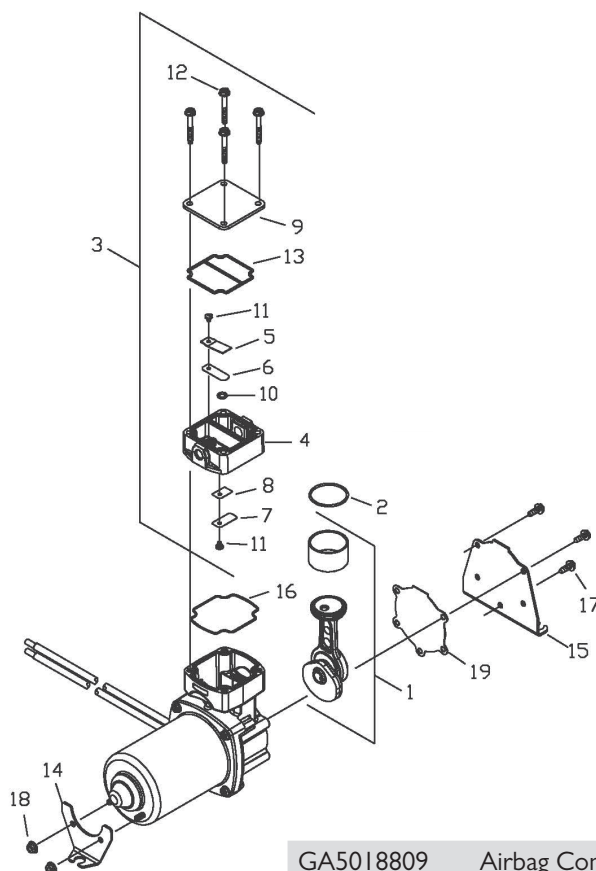
## Intake Manifold - Foam Only



GA4906185 Intake Manifold - Foam Only

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70784A	Plumbing Manifold Plate Non Joystick suit air bag and foam	1
2	MACH0128	Adaptor 1/4" barb to 1/4" barb	5
3	MACH0130	Barb 1/4" to 1/4" BSPT	1
4	GA5015643	Valve, Needle, 6mm push type inlet x 1/8" male thread inlet, Legris	2
5	GA3500246	Hydraulic adaptor, Cross, 1/4" BSPT female, S32-04040404	1
6	GA4582480	Plug M20 x 1.5 fine	2

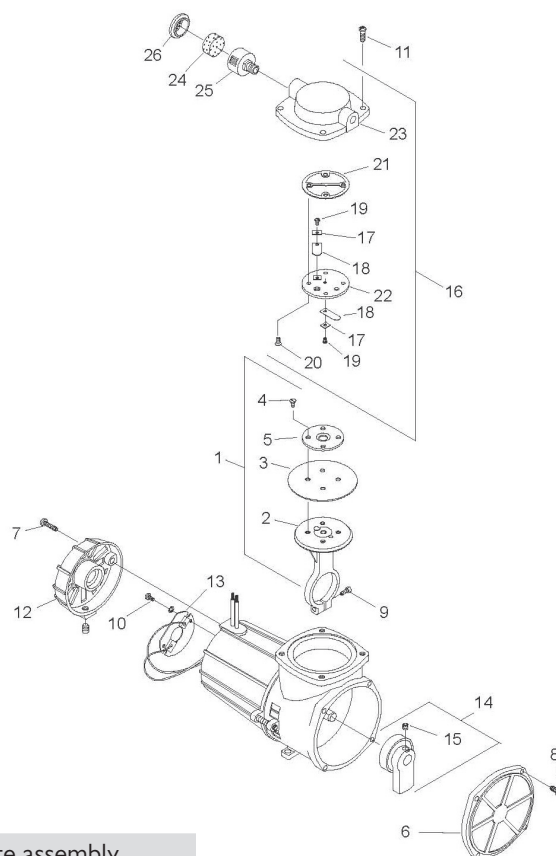
# Airbag Compressor



GA5018809 Airbag Compressor

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	666331	Connecting Rod & Eccentric Assembly	1
2	GA5012547	O Ring - Sleeve	1
3	669136	Head Assembly	1
4	610514	Head	1
5	GA5021535	Valve Restraint	1
6	GA5008789	Valve Flapper - Exhaust	1
7	GA5017339	Valve Flapper - Intake	1
8	GA5021540	Valve Shim	1
9	621602	Head Plate	1
10	623615	O Ring - Valve Flapper	1
11	GA5014807	Screw - Valve Flapper	2
12	625558	Screw - Head	4
13	GA5021545	O Ring Gasket	1
14	617292	Bracket 12V	1
15	617386	Bracket 24V	1
16	GA5013541	Bracket	1
17	GA5012559	O Ring Gasket - Housing	1
18	625072	Screw - Bracket	5
19	626283	Nut - Bracket	2
20	GA5009349	Gasket - Bracket	1

# Foam Marker Compressor



GA5018806 Complete assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	607180	Connecting Rod Assembly	1
2	607139	Connecting Rod	1
3	608148	Diaphragm	1
4	GA5007339	Compressor Screw	4
5	GA5013073	Plate, Diaph Hold Down	1
6	614608	Front Cover	1
7	614608	Screw - Motor End Cap	2
8	625660	Screw - Front Cover	4
9	625114	Conn Rod. Screw	1
10	625476	Screw - Brush Card	2
11	625444	Screw - Head	4
12	620352	Motor End Cap Assembly	1
13	GA5006445	Brush kit thomas compressor.	1
14	645373	.18 Stroke Eccentric & Bearing Assy	1
	667611	.20 Stroke Eccentric & Bearing Assy	1
15	625244	Set Screw - Eccentric	1
16	GA5016651	Thomas Head Assembly	1
17	GA5017351	Valve Keeper	2
18	GA5008789	Valve, Flapper, Air compressor, Internal intake & exhaust	2

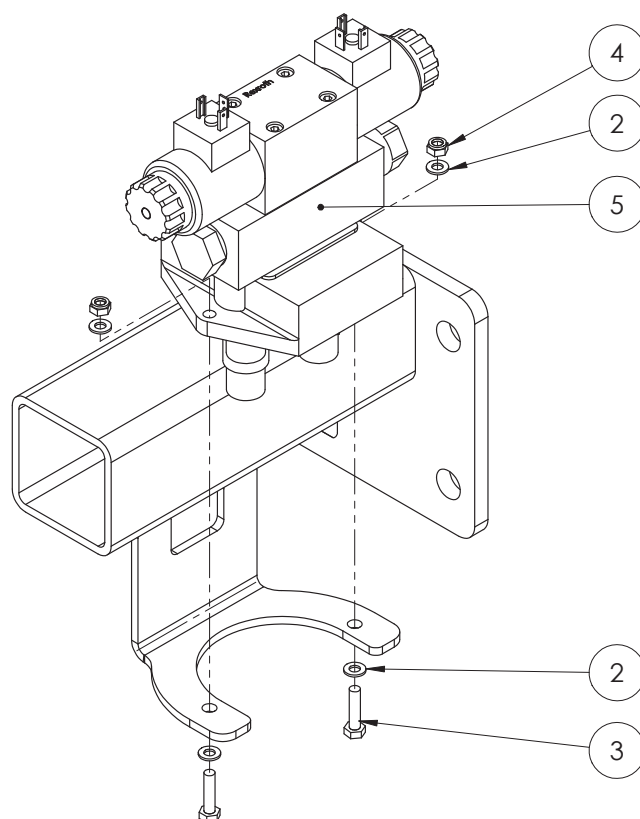
Continued over page

## Foam Marker Compressor

---

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
19	625160	Screw - Flapper	2
20	GA5014803	Screw Valve Plate	4
21	633439	Gasket - Head	1
22	654129	Valve Plate	1
23	660131-504	Head	1
24	641034	Filter Foam	1
25	660763	Filter Body	1
26	660767	Filter Body Cap	1

## Fill Pump Spool



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4654410	Pod Frame Advance RH	1
2	GA5004437	Washer 6mm Flat SS	4
3	GA5004073	Bolt M6 x 25 ZP GR8.8	2
4	GA5048115	Nut M6 Nyloc ZP	2
5	GA4903645	Fill pump hydraulic manifold assembly, 3 pin DIN plug (See chapter 18 for further information)	1

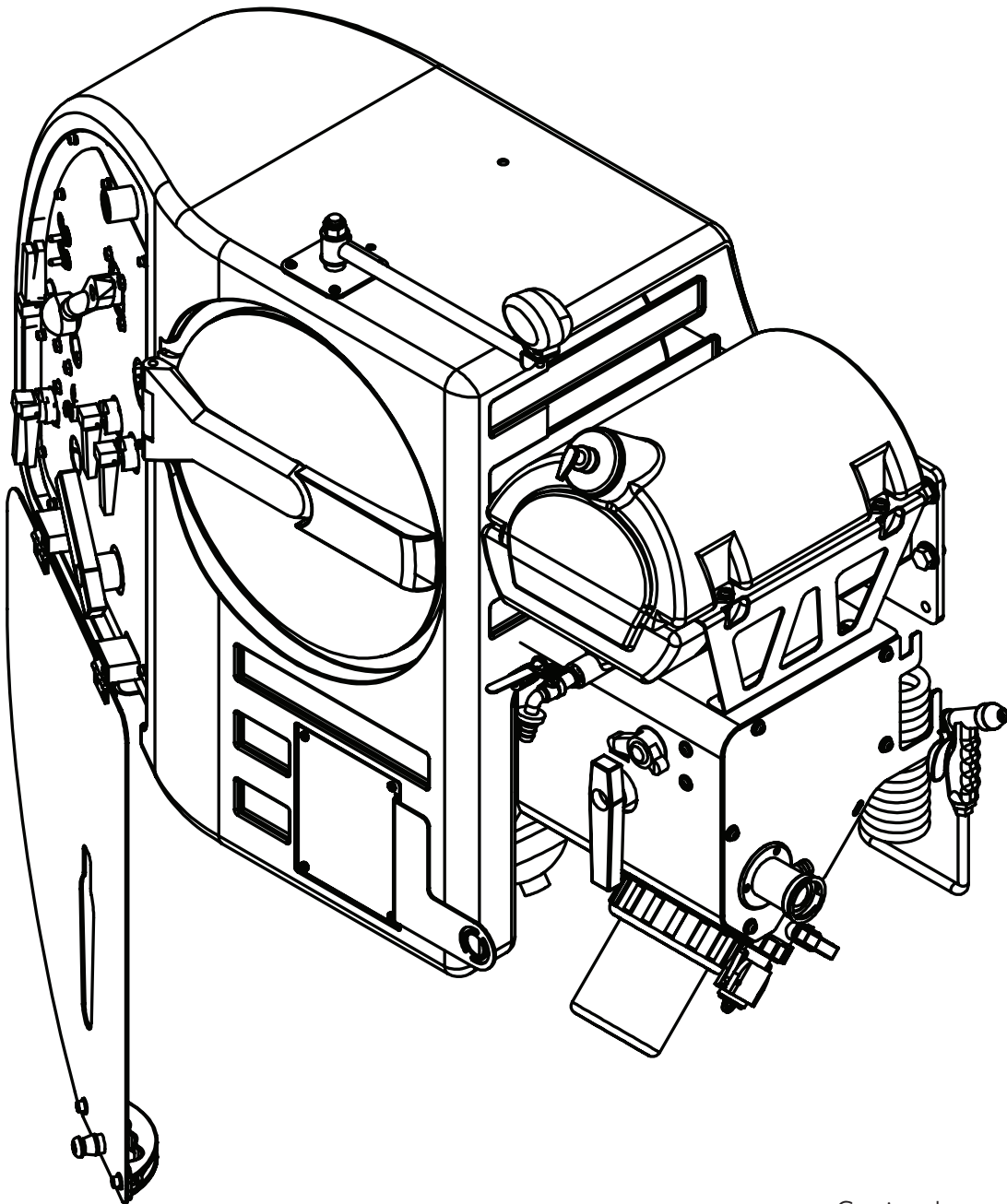
## Chapter 5

---

### LEFT HAND POD

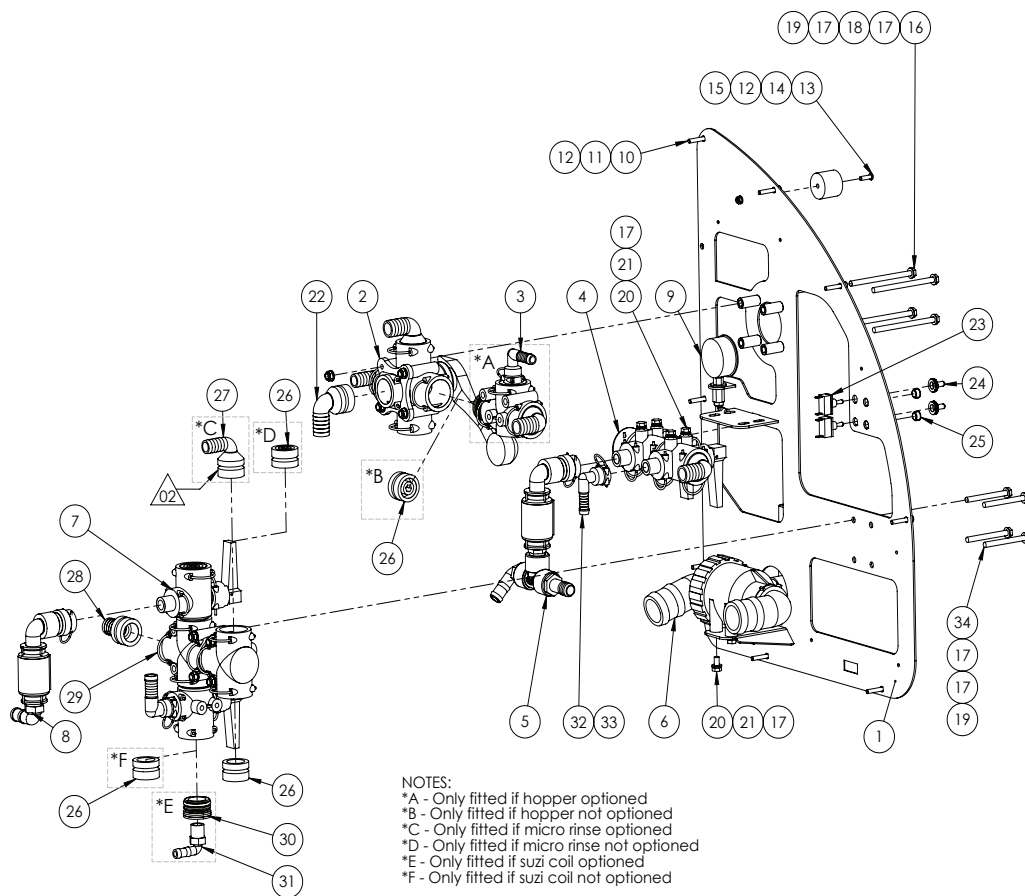
#### Prairie Evolution Left Hand Pod

---



Continued over page

## Prairie Evolution Left Hand Pod



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658165	LHS pod door skin 201 I	1
2	GA4903148-24	Pod LH Sub ASM 4 Way Valve	1
3	GA4903148-25	Pod LH Sub ASM Hopper Connections	1
4	GA4903148-03	Pod LH Sub ASM Pressure Control	1
5	GA4903148-18	Pod LH Sub ASM Non Return Valve Pressure delivery	1
6	GA4903148-04	Pod LH Sub ASM Tap Fresh Water	1
7	GA4903148-23	Pod LH Sub ASM Fill Manifold	1
8	GA4903148-19	Pod LH Sub ASM Non Return Valve Fresh water	1
9	GA4903148-14	Pod LH Sub ASM Pressure Gauge	1
10	GA5011425	SHCS M6 x 35 SS A2-70	9
11	GA5004447	Washer 6mm Spring SS	8
12	GA5004437	Washer 6mm Flat SS	10
13	GA5004053	BHCS M6 x 20 SS A2-70	1
14	GA5008629	Door holder, Female, Rubber, Black	1
15	GA5048115	Nut M6 Nyloc ZP	1
16	GA5011501	Bolt M8 x 120 GR8.8 ZP	4
17	GA5003643	Washer 8mm Flat SS HD	23
18	GA4552135	Spacer for Altek rotary valve	4
19	GA5052590	Nut M8 Nyloc SS	8

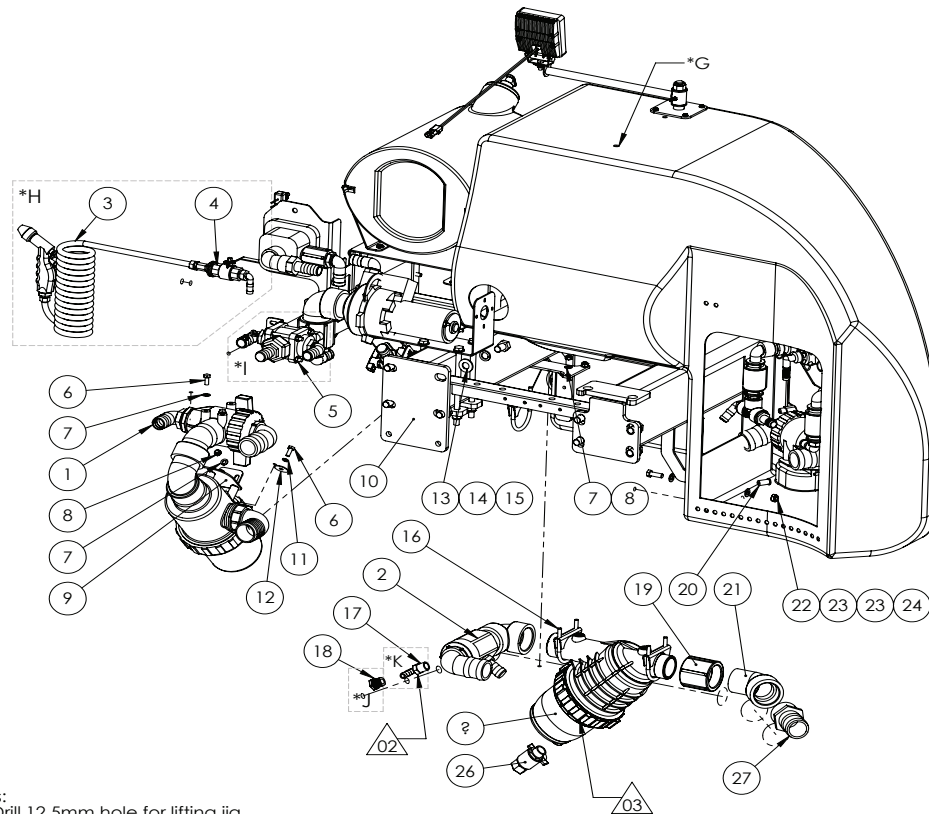
Continued over page

## Prairie Evolution Left Hand Pod

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
20	GA5011465	Bolt M8 x 16 GR8.8 ZP	7
21	GA5004919	Washer 8mm Spring SS	7
22	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm, Altek	1
23	GA5012667	Switch, Toggle, On / Off, Single pole single throw	2
24	GA5012175	Cover, Toggle switch, Waterproof, Narva, suits GA5016749.	2
25	GA5048780	Dome plug 12mm	2
26	GA5065680	Plug, AS40 male, Altek	4
27	GA5065610	Hose barb, Elbow, 90 degree, AS40 x 20mm hose, Altek	1
28	GA5065580	Plug in hose tail AS40/25	1
29	GA5065690	Retaining pin, Safety clip, Suit AS40 plumbing fittings, Altek	1
30	GA4582345	Dummy plug AS40 G1/2 female (45mm Delron)	1
31	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	1
32	GA5065750	Hose barb, Elbow, 90 degree, AS24 female x 15mm hose, Altek	1
33	GA5065695	Retaining pin, Suit AS24 plumbing fittings, Altek	1
34	GA5004749	Bolt M8 x 80 GR8.8 ZP	4



# Prairie Evolution Left Hand Pod



Notes:  
 \*G - Drill 12.5mm hole for lifting jig  
 \*H - Only fitted if suzi coil optioned  
 \*I - Only fitted if chemical pump optioned  
 \*J - Only fitted if hopper not optioned  
 \*K - Only fitted if hopper optioned

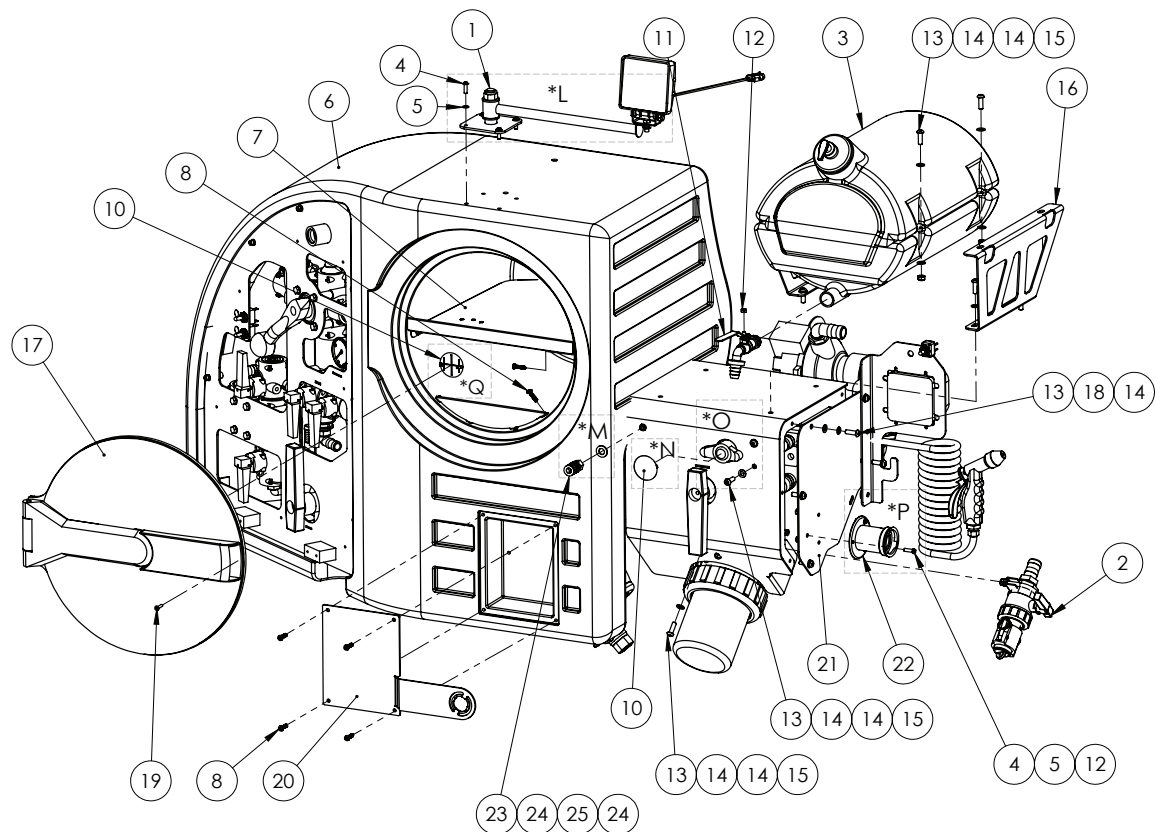
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4903148-06	Suction Filter Pod LH Sub ASM	1
2	GA4903148-12	Fresh water Filter manifold	1
3	GA4903148-10	Suzi Coil suit Evo 201 I	1
4	GA4903148-26	Pod LH Sub ASM Wash Gun Fittings	1
5	GA4907460	Chemical Pump / Venturi, Ball Valve Assembly Prairie Pro MY15	1
6	GA5004085	Bolt M8 x 20 GR8.8 ZP	5
7	GA5003643	Washer 8mm Flat SS HD	58
8	GA5052590	Nut M8 Nyloc SS	24
9	GA4523840	Filter mount plate suit 201 I pod	1
10	GA4658155	Support Frame, Left Hand Side, EF MY1 I	1
11	GA5004919	Washer 8mm Spring SS	15
12	GA5017645	Washer 1/4 ID x 1 1/4 OD x 16g SS	3
13	GA5001043	Washer 16mm Flat SS HD	8
14	GA5000961	Washer 16mm Spring ZP	8
15	GA5000903	Bolt M16 x 25 GR8.8 ZP	8
16	GA5006689	Clamp Exhaust 2 5/8 (C12)	3
17	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	2
18	GA5077943	Plug, 1/2 male thread, Banjo, PLUG050	1

Continued over page

## Prairie Evolution Left Hand Pod

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
19	GA5077641	Coupling, socket, 2" female thread, Banjo, CPLG200	1
20	GA5020855	Rawl nut, M6 x 25 long	9
21	GA5078141	Street elbow, 45 degree, 2 male thread x 2 female thread, Banjo, SL200-45	1
22	GA5000141	Nut M10 Nyloc ZP	4
23	GA5000117	Washer 10mm Flat SS HD	5
24	GA5065455	Bolt M10 x 30 GR8.8 ZP	4
25	GA2000126	Filter, Line, 2" Inlet and Outlet, 32 Mesh, open drain port, Arag, 3332072	1
26	GA5018315	Valve, Ball, 20mm, 3/4" male, female, Black Butterfly handle, Brass	1

## Prairie Evolution Left Hand Pod



### Notes:

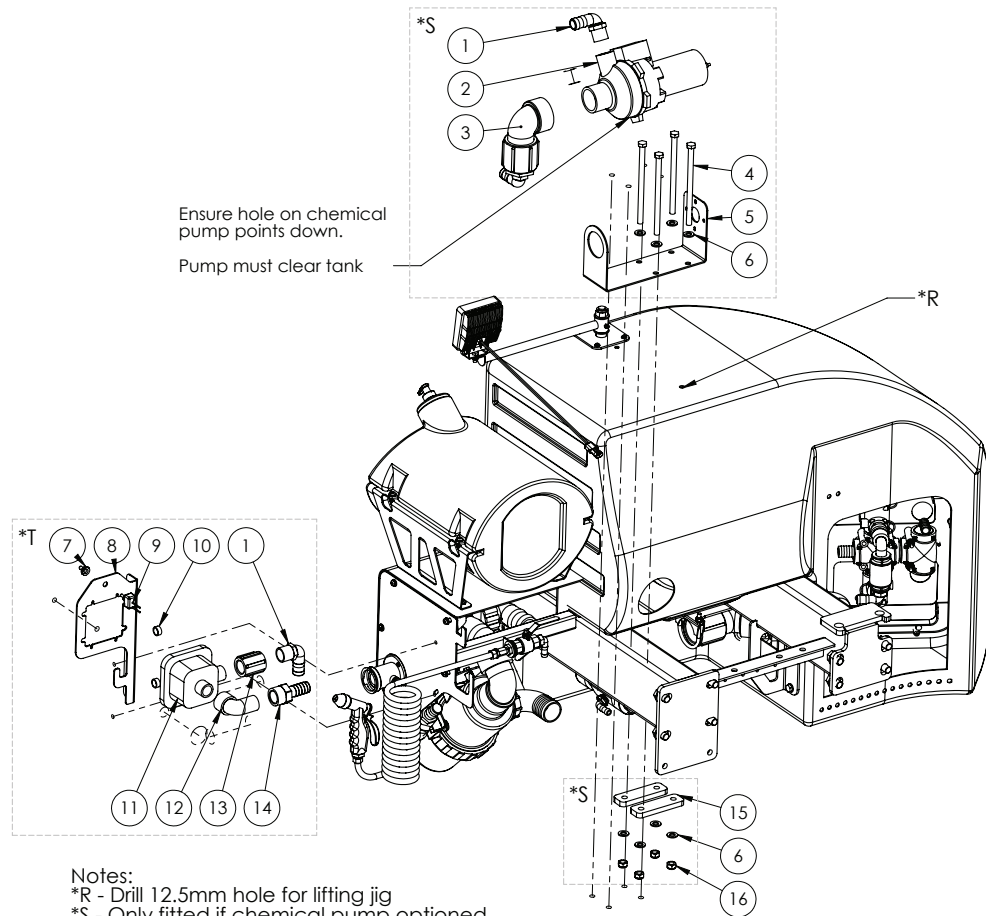
- \*L - Only fitted if road pack optional
- \*M - Only fitted if airbags optional
- \*N - Only fitted if chemical pump not optional
- \*O - Only fitted if chemical pump optional
- \*P - Only fitted if micromatic rinse optional
- \*Q - This is to be glued into the locker door for air seal

Continued over page

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4903148-11	Light LH Pod suit Evo 2011	1
2	GA4903148-07	Chem Probe Evo 2011	1
3	GA5075110	Water tank, 30L, Black plastic, With soap dispenser, Used for hand wash	1
4	GA5004053	BHCS M6 x 20 SS A2-70	8
5	GA5004437	Washer 6mm Flat SS	21
6	GA5018373	Left hand side module	1
7	GA4534190	Locker Middle Shelf	1
8	GA5000527	Screw Pan Head 12g x 25mm SS	12
9	GA4534185	Locker Bottom Lip	1
10	GA5054755	Hole Cover 46mm dia Black	2
11	GA5070735	Tap 3/4 BSP with hose barb suit Hand Wash Bottle	1
12	GA5048115	Nut M6 Nyloc ZP	9
13	GA5011473	BHCS M8 x 25 SS A2-70	17
14	GA5003643	Washer 8mm Flat SS HD	58
15	GA5052590	Nut M8 Nyloc SS	24
16	GA4523740	Tank mount bracket 30L hand wash	2
17	GA5076886	Lid, Hinged, Black plastic, Suit left hand side pod door, 462mm, 3560602	1
18	GA5004919	Washer 8mm Spring SS	15
19	GA5014819	Screw Self Tapper 10g x 1 SS Countersunk	8
20	F70651A	Cover plate full face, prairie pod with sump drain	1
21	GA4523755	Prairie suction pod frame side cover plate	1
22	GA5018800	Rinsing socket, 3 pin, Micromatic / Enviro drum coupling	1
23	GA5076620	Coupling, Air, 1/4" BSPP female x female, Brass, 200	1
24	GA5000577	Washer 12mm Flat SS HD	10
25	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male, S27-0404	1

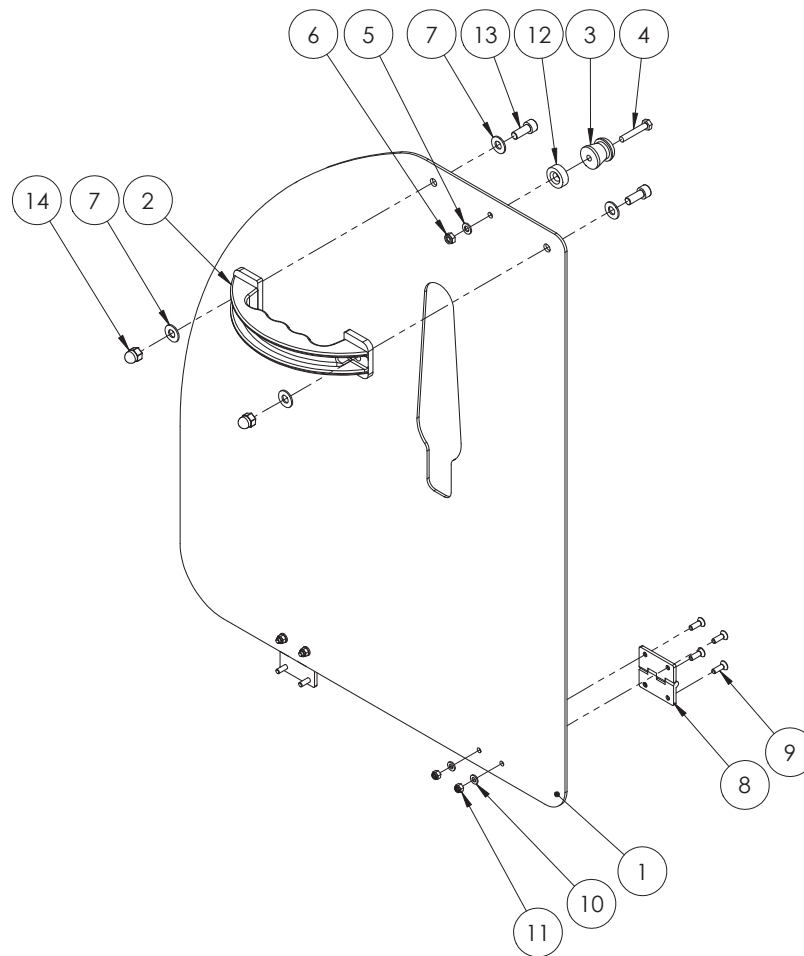
Continued over page

# LH Pod, Chemical Pump Mount



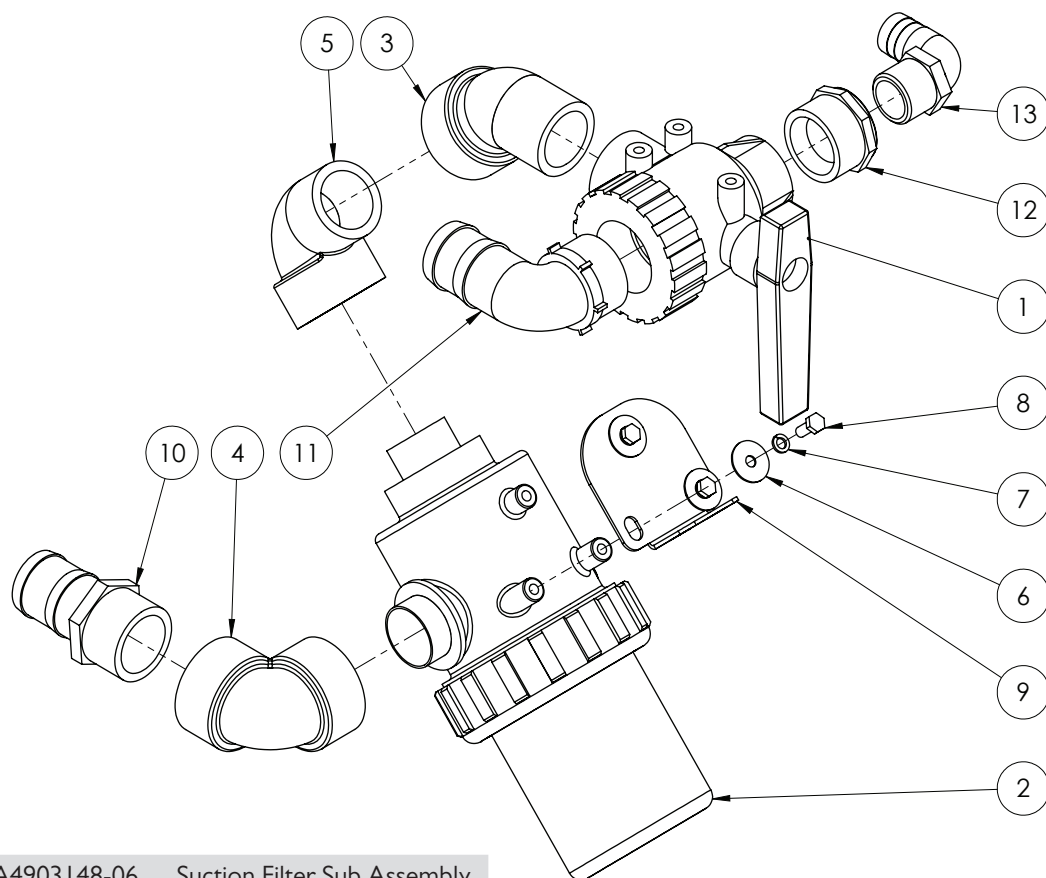
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	2
2	GA5068480	Pump, Diaphragm, 12V, Flowserve PH6, Pump only	1
3	*	PH6 Pump Inlet Assy	1
4	GA5011223	Bolt M12 x 200 GR 8.8 ZP	4
5	GA4523890	Mounting bracket, PH6 pump	1
6	GA5000577	Washer 12mm Flat SS HD	8
7	GA5012175	Cover, Toggle switch, Waterproof, Narva, suits GA5016749.	1
8	GA4523891	PH6 Flow meter mounting plate	1
9	GA5016749	Switch, Toggle, On / Off, Water proof, pvc coated, 25 amp	1
10	GA4552070	Crush Tube, 16.2 ID, 20.5 OD, 9.5 long	2
11	GA5068485	Flow meter, Flow serve SEM10 suit PH6 pump	1
12	GA5078137	Street elbow, 90 degree, 1 male x 1 female, Banjo, SL100-90	1
13	GA5077638	Coupling, socket, 1 female thread, Banjo, CPLG100	1
14	GA5077747	Hose barb, Straight, 1 female thread x 1 hose, Banjo, HBF100	1
15	F70107A	Plate, Clamp, 130 long x 40 wide x 12 mm thick	2
16	GA5012461	Nut M12 Nyloc ZP	4

## Pod cover door



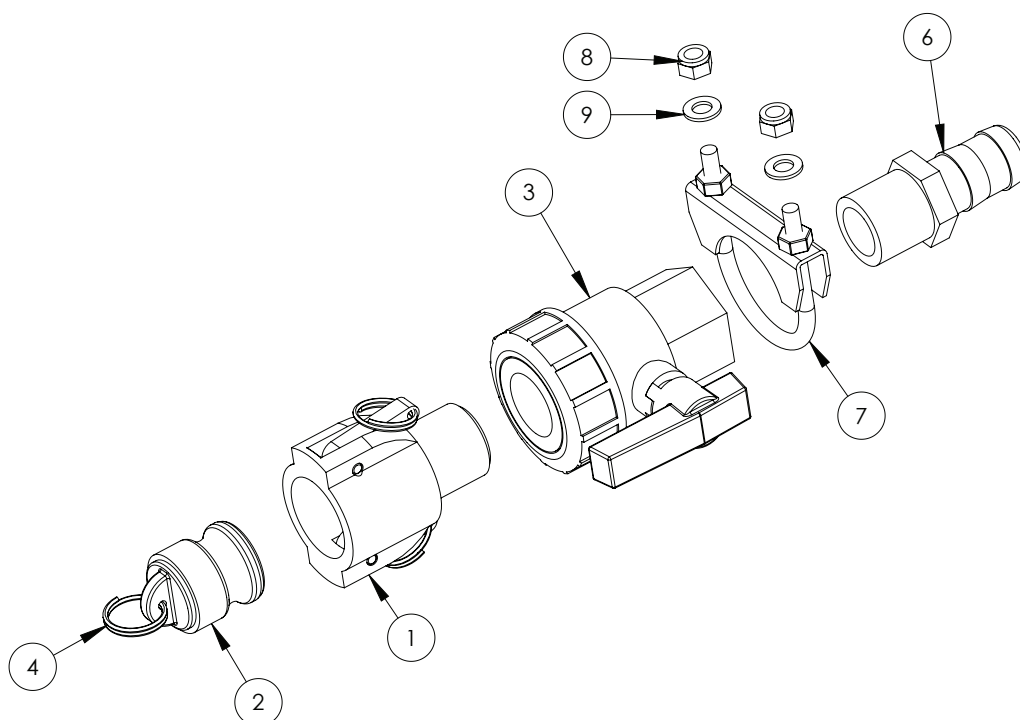
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4523640	Fill Station Hinge Cover suit Altek Valves	1
2	GA5009841	Handle, Black, Heavy duty, Polyethylene	1
3	GA5011607	Door holder, Male, Rubber, Black	1
4	GA5011405	Bolt M6 x 35 ZP GR8.8	1
5	GA5004437	Washer 6mm Flat SS	1
6	GA5048115	Nut M6 Nyloc ZP	1
7	GA5004883	Washer 8mm Flat ZP Heavy Duty	4
8	GA5020415	Hinge Cabin SS 52 x 52 x 3mm (Each)	2
9	GA5051230	CSCS M5 x 16 Countersink SS	8
10	GA5003983	Washer 5mm Flat SS	4
11	GA5003975	Nut M5 Nyloc SS	4
12	GA4572010	Air Chemsaver Washer	1
13	GA5004707	SHCS M8 x 20 ZP GR12.9	2
14	GA5011457	Nut M8 Dome Nut SS	2

## Suction Filter



GA4903148-06 Suction Filter Sub Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5076987	Valve, Ball, 3 way, 2" female thread inlet & outlet, Arag, 4542237, 45521117	1
2	GA5076799	Filter, Suction, 317, 2 BSP male inlet and outlet, 32 mesh screen, Arag, 3172072	1
3	GA5078141	Street elbow, 45 degree, 2 male thread x 2 female thread, Banjo, SL200-45	1
4	GA5077659	Street elbow, 90 degree, 2 female thread x 2 female thread, Banjo, EL200-90	1
5	GA5078142	Street elbow, 90 degree, 2 male thread x 2 female thread, Banjo, SL200-90	1
6	GA5017645	Washer, 1/4" ID x 1 1/4" OD x 16 gauge SS	3
7	GA5004919	Washer 8mm Spring SS	3
8	GA5004085	Bolt M8 x 20 ZP GR8.8	3
9	GA4523840	Filter mount plate suit 2011 pod	1
10	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo, HB200	1
11	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose, Banjo, HB200-90	1
12	GA5078022	Bush, Reducing, Poly, 2" Male Thread x 1 1/4 Female Thread, Banjo, RB200125	1
13	GA5077730	Hose barb, Elbow, 90 degree, 1 1/4 male thread x 1 1/4 hose, Banjo, HB125-90	1

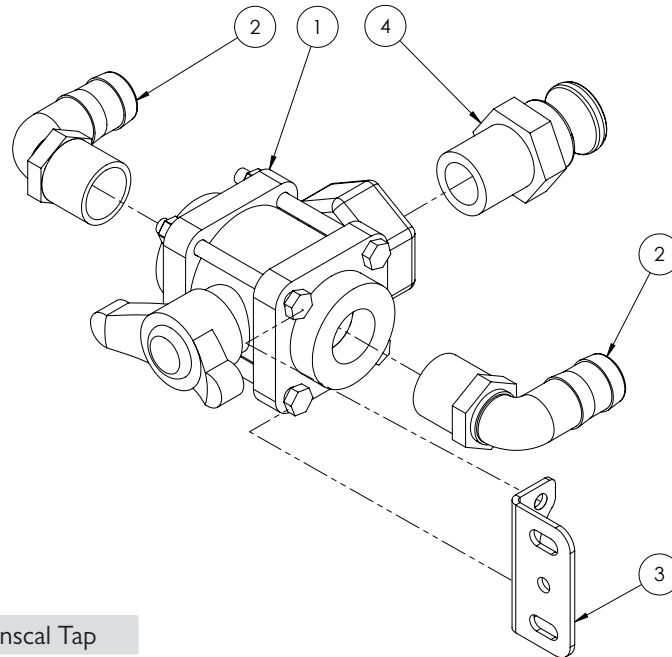


GA4903082 Pre-assembled Chem probe / Transcal tap

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5076007	Cam lever, 1 female coupler, 1 male thread, Banjo, 100B	1
2	GA5076005	Cam lever, Male plug, Suits 1 & 1 1/4 couplings, Banjo, 100125PL	1
3	GA5078164	Valve, Ball, 1" female thread inlet / outlet, Full port, Lever handle, Banjo, UVI00FP	1
4	GA5002077	Key ring, 25mm, SS	1
5	GA5001491	Chain 20mm x 2mm cut 150mm Long (not shown)	1
6	GA5077718	Hose barb, Straight, 1" male thread x 1" hose, Banjo, HB100	1
7	GA5006705	Exhaust Clamp C8 2"	1
8	GA5052590	Nut M8 Nyloc SS	2
9	GA5003643	Washer 8mm Flat SS Heavy Duty	2



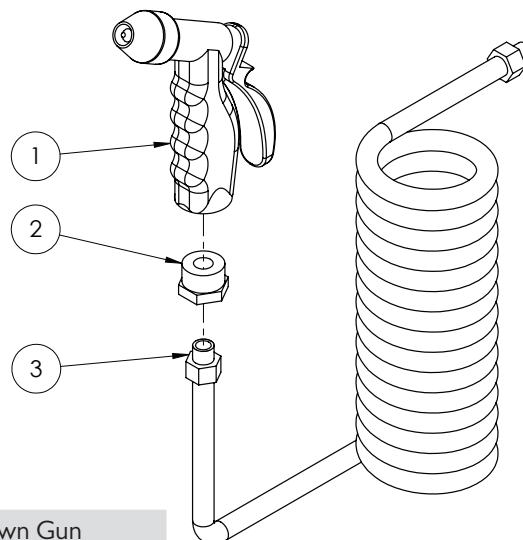
## Transcal Tap



GA4903148-08 Transcal Tap

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078177	Valve, Ball, 3 way, 1 female thread inlet / outlet, Bottom port, Butterfly handle, Banjo, VI00BL	1
2	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	2
3	GA4502210	Mounting plate, to suit ball valve	1
4	GA5076012	Cam lever, 1 male coupling x 1 male thread, Banjo, 100F	1
	F70146A	Decal Plate, Transcal (not shown)	1

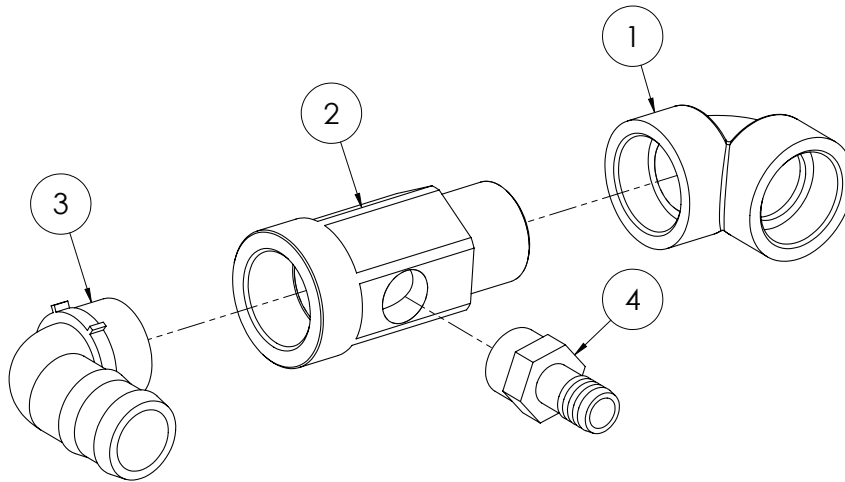
## Wash Down Gun



GA4903148-10 Wash Down Gun

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5051390	Wash down gun, Suit EF / Advance / Evolution	1
2	GA5049701	Bush Brass reducing 3/4" x 1/4"	1
3	GA5051455	Suzi coil, 12mm x 8mm x 5m (1/4" male swivel ends with springs)	1

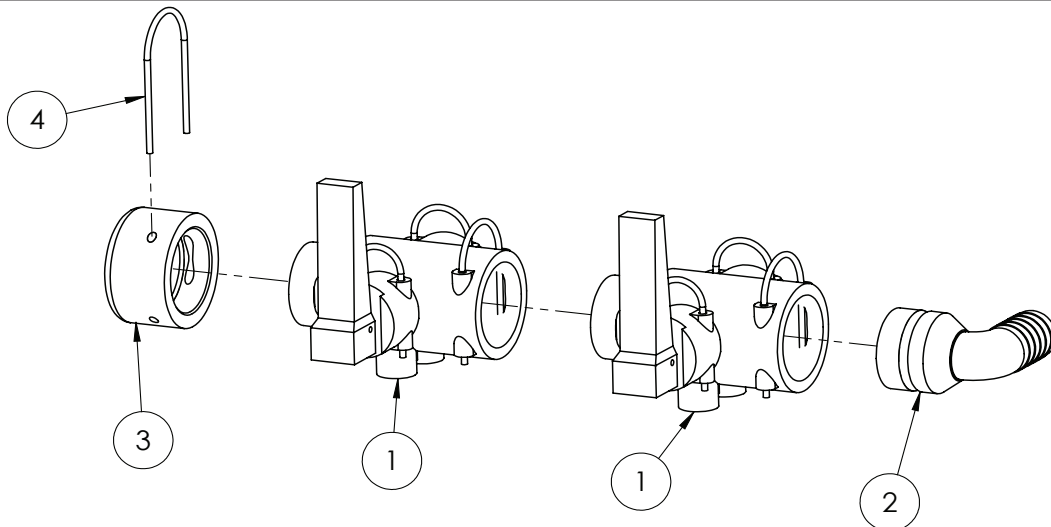
## Fresh Water Filter Manifold



GA4903148-12 Fresh Water Filter Manifold

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077659	Street elbow, 90 degree, 2 female thread x 2 female thread, Banjo, EL200-90	1
2	MACH0311	Poly fitting, 2" male x 2" female x 1" female	1
3	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose, Banjo, HB200-90	1
4	GA5077718	Hose barb, Straight, 1" male thread x 1" hose, Banjo, HB100	1

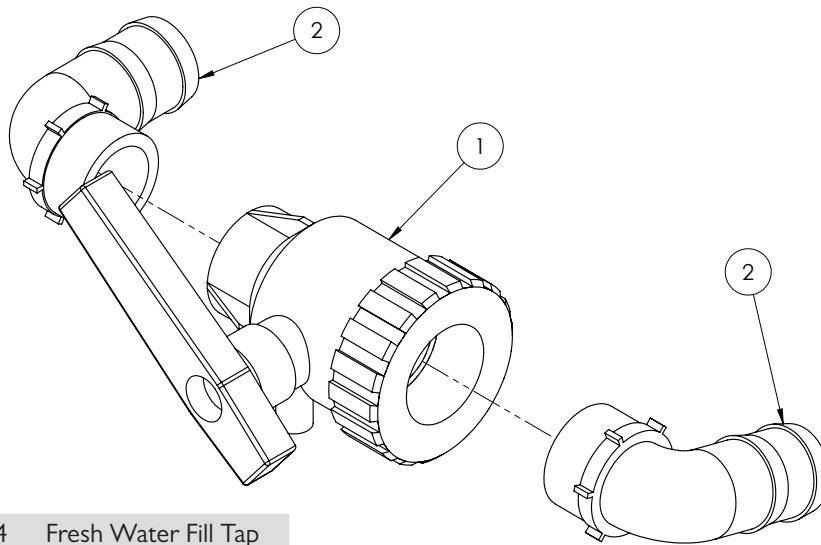
## Pressure Control Assembly



GA4903148-03 Pressure Control Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065545	Valve, Quick fit flip top, 2 way, AS40 male x AS24 female x AS40 female, Altek	2
2	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm, Altek	1
3	GA4582395	Cap Altek AS40 (Delron)	1
4	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	1

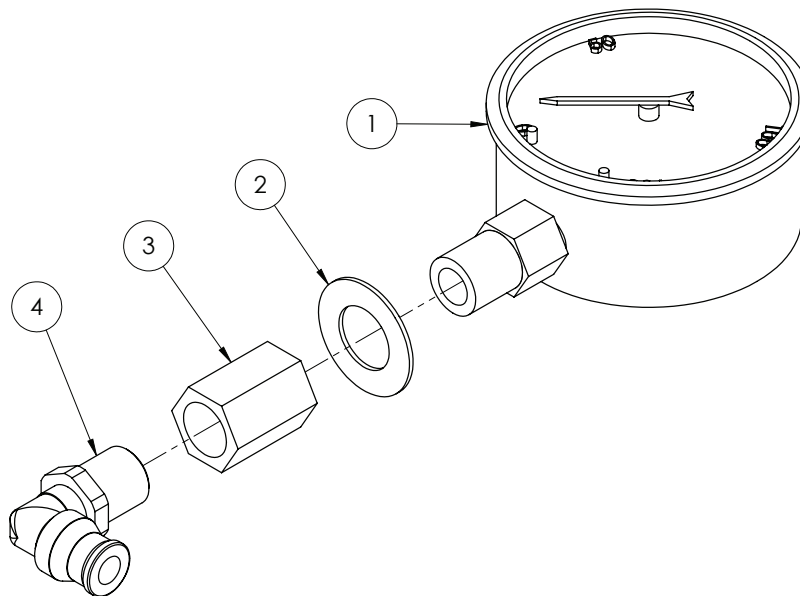
## Fresh Water Fill Tap



GA4903148-04 Fresh Water Fill Tap

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5076981	Valve, Ball, 2 way, 2 female thread inlet / outlet, Lever handle, Arag, 4542137	1
2	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose, Banjo, HB200-90	2

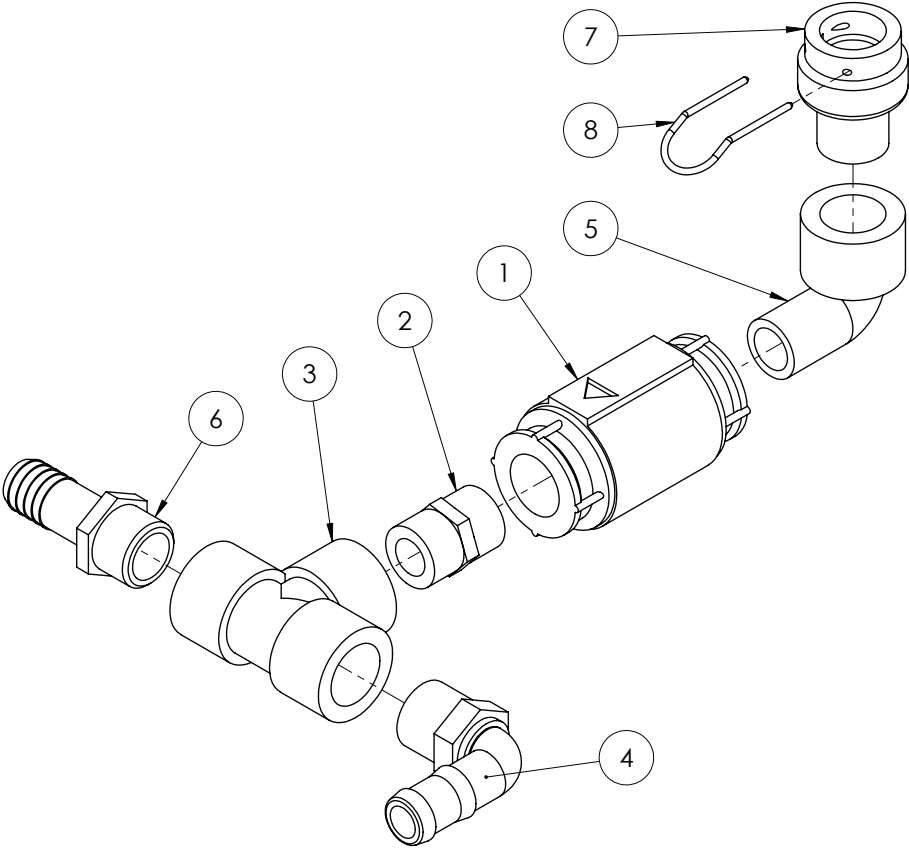
## Pressure Gauge



GA4903148-14 Pressure Gauge Assembly

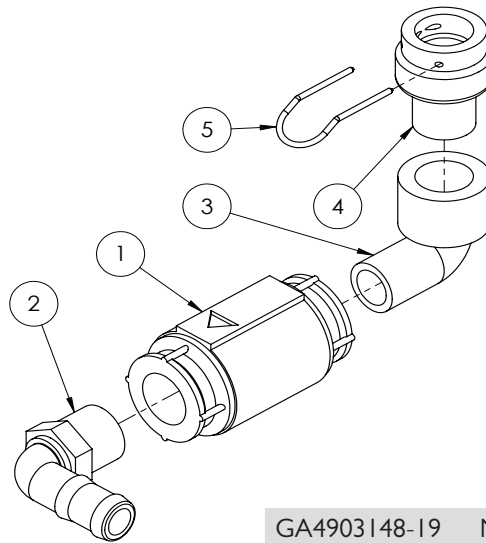
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4948470	Gauge, Pressure, Small face, 160psi	1
2	GA5017641	Washer 1/2" x 1" x 16g Flat SS	1
3	GA5066940	Socket, 1/4" female thread, Hex, Brass	1
4	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	1

# Non Return Valve - Tank Rinse



GA4903148-18 Non Return Valve - Tank Rinse			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5002473	Valve non-return 3/4"	1
2	GA5077913	Nipple, 3/4 male x 3/4 male, Short, Banjo, NIP075SH	1
3	GA5078150	Tee, Threaded, 3/4 female, Banjo, TEE075	1
4	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	1
5	GA5078135	Street elbow, 90 degree, 3/4 female thread x 3/4 male thread, Banjo, SL075-90	1
6	GA5077709	Hose barb, Straight, 3/4 male thread x 3/4 hose, Banjo, HB075	1
7	GA4582415	Plumbing adaptor, AS24 female x 3/4" BSPT male, Delrin	1
8	GA5065695	Safety pin AS24	1

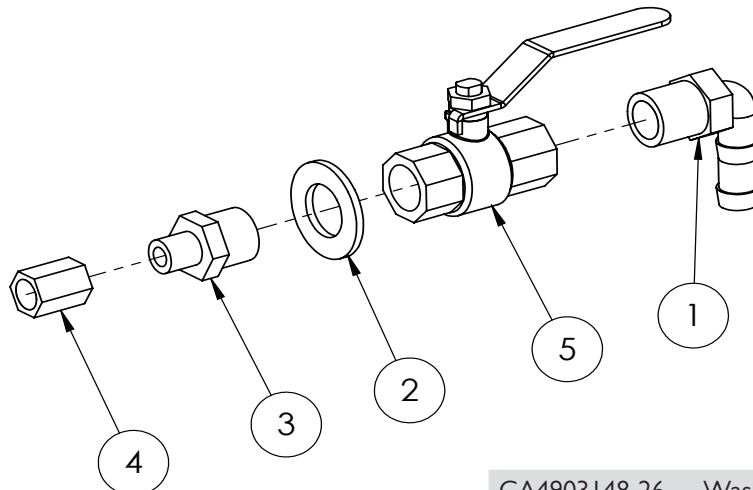
## Non Return Valve - Fresh Water



GA4903148-19 Non Return Valve - Fresh Water

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5002473	Valve non-return 3/4"	1
2	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	1
3	GA5078135	Street elbow, 90 degree, 3/4 female thread x 3/4 male thread, Banjo, SL075-90	1
4	GA4582415	Plumbing adaptor, AS24 female x 3/4" BSPT male, Delrin	1
5	GA5065695	Safety pin AS24	1

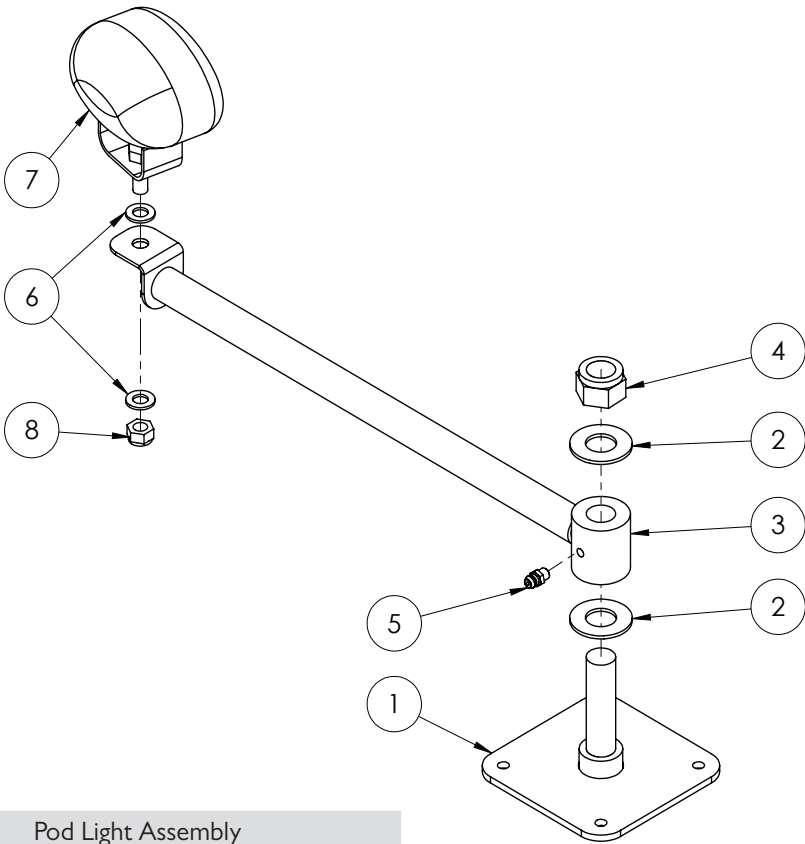
## Wash Down Gun Valve



GA4903148-26 Wash Down Gun Valve

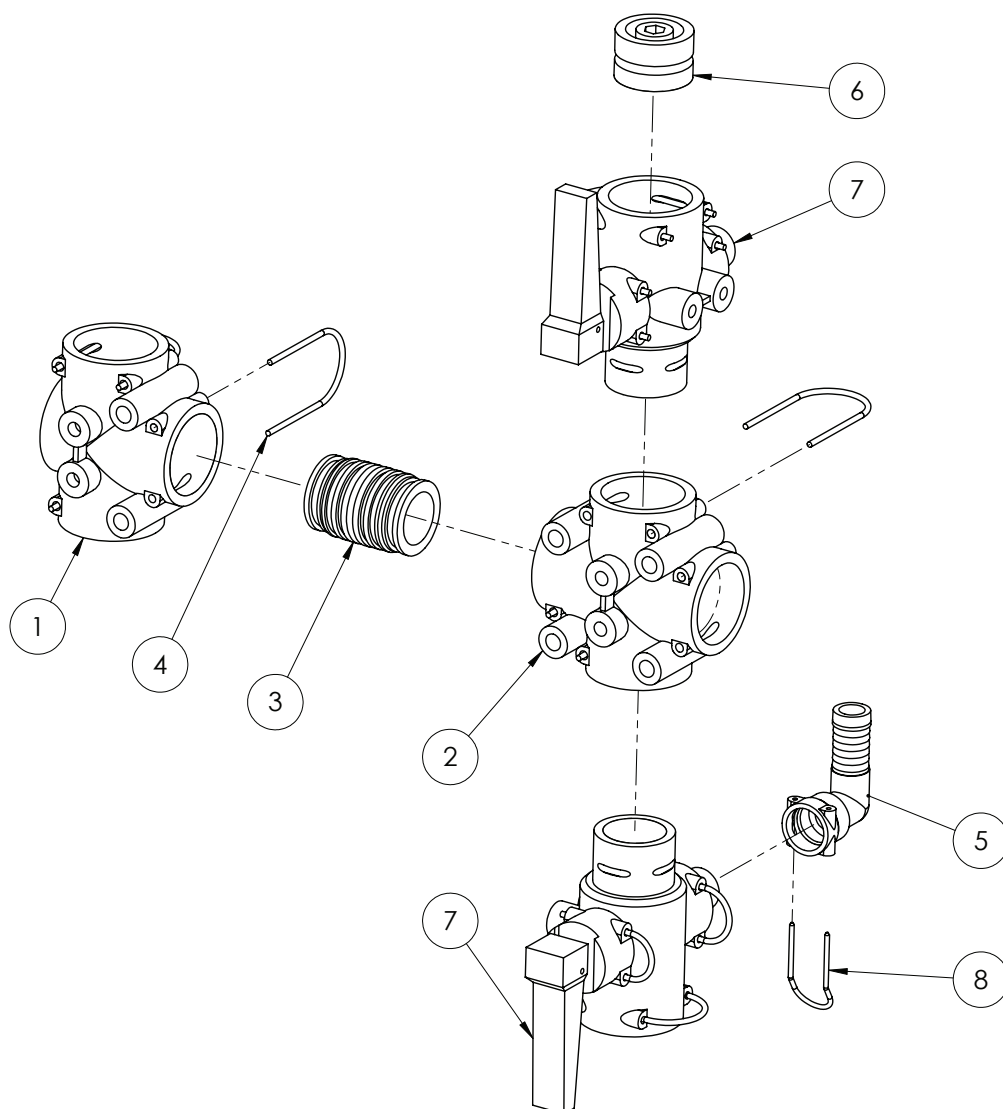
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	1
2	GA5001739	Washer 20mm Flat Heavy Duty SS	1
3	GA5012259	Reducing nipple, 1/2" male thread x 1/4" male thread, Brass	1
4	GA5066940	Socket, 1/4" female thread, Hex, Brass	1
5	GA5018309	Valve, Ball, 12mm female thread inlet / outlet, Lever handle, SS	1

# Pod Light Assembly



GA4903148-11 Pod Light Assembly			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4657105	Prairie hopper light arm mount	1
2	GA5001009	Washer 16mm Flat ZP Heavy Duty	2
3	GA4657107	Prairie hopper light arm MY13	1
4	GA5001029	Nut M16 Nyloc ZP	1
5	GA5012203	Grease nipple, Short, 1/4" UNF	1
6	GA5048115	Nut M6 Nyloc ZP	2
7	GA5052325	Work Flood Light LED 300 Lumen 9-50 V 0.3A SS mount IP66	1
8	GA5052590	Nut M8 Nyloc SS	1

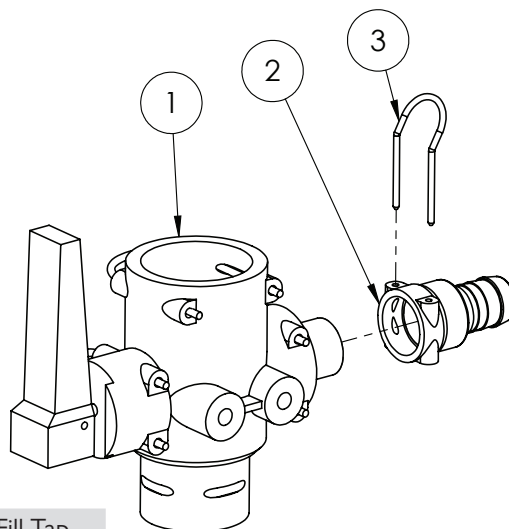
## Fill Manifold Sub Assembly



GA4903148-23 Fill Manifold Sub Assembly

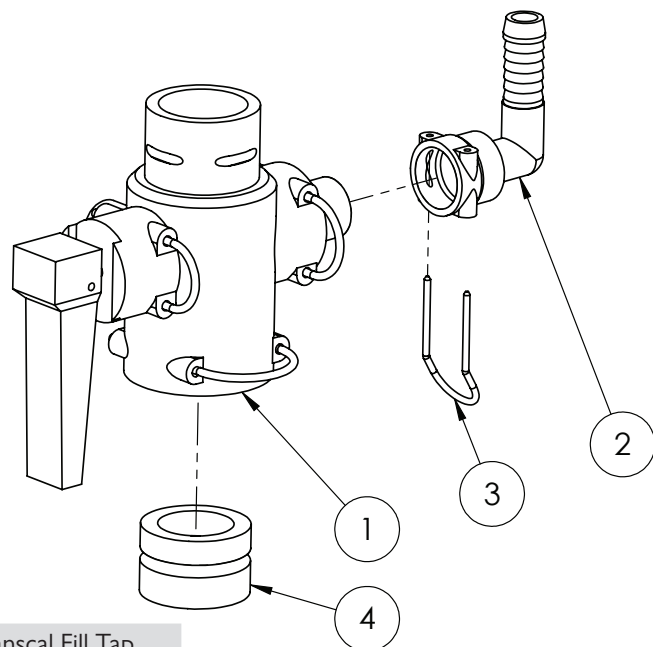
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065560	Tee, AS40 female, M8 inserts, Altek	1
2	GA5065565	Plumbing coupling, Cross, AS40 female inlets / outlets, Altek	1
3	GA5065735	Plumbing adaptor, AS40 male x AS40 male, Altek	1
4	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	6
5	GA5065675	Hose barb, Elbow, 90 degree, AS24 female x 20mm hose, Altek	1
6	GA5065680	Plug, AS40 male, Altek	1
7	GA5065545	Valve, Quick fit flip top, 2 way, AS40 male x AS24 female x AS40 female, Altek	2
8	GA5065695	Safety pin AS24	1

# Foam Marker Fill Tap



GA4903148-21 Foam Marker Fill Tap			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065545	Valve, Quick fit flip top, 2 way, AS40 male x AS24 female x AS40 female, Altek	1
2	GA5065640	Hose barb, AS24 female x 20mm hose	1
3	GA5065695	Safety pin AS24	1

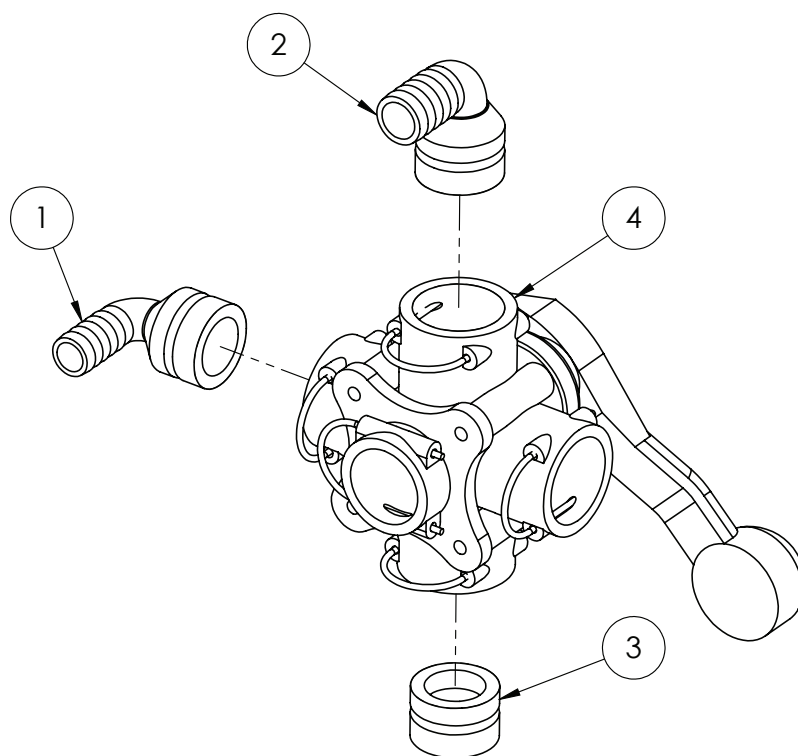
# Transcal Fill Tap



GA4903148-22 Transcal Fill Tap			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065545	Valve, Quick fit flip top, 2 way, AS40 male x AS24 female x AS40 female, Altek	1
2	GA5065750	Hose barb, Elbow, 90 degree, AS24 female x 15mm hose, Altek	1
3	GA5065695	Safety pin AS24	1
4	GA5065680	Plug, AS40 male, Altek	1



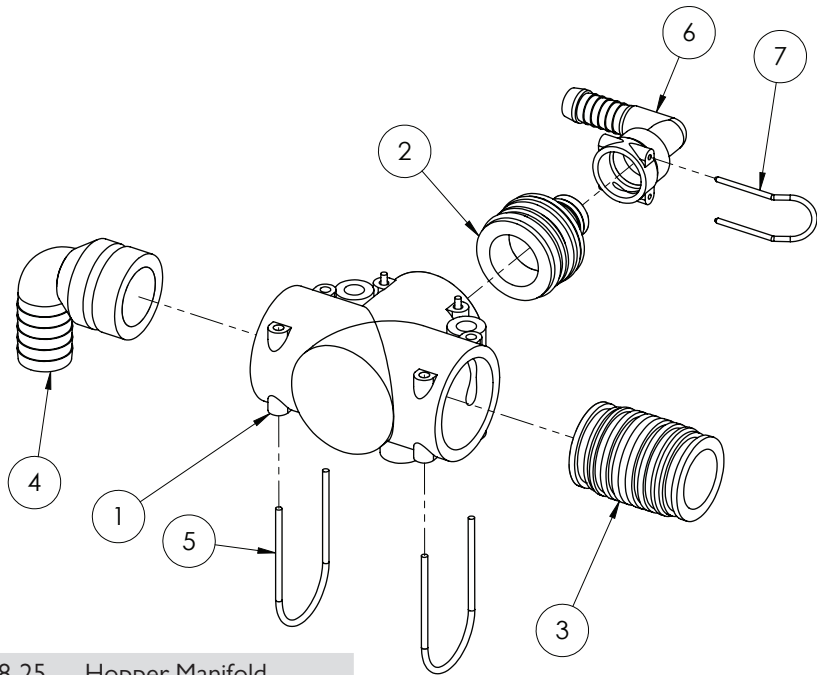
## 4 Way Valve



GA4903148-24 4 Way Valve

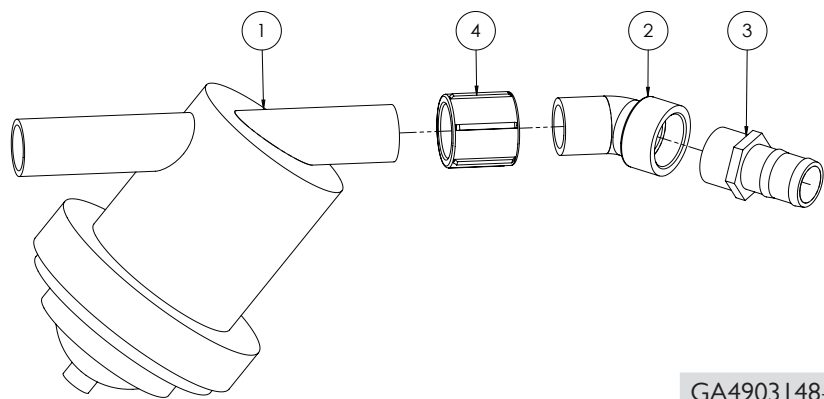
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065610	Hose barb, Elbow, 90 degree, AS40 x 20mm hose, Altek	1
2	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm, Altek	1
3	GA5065680	Plug, AS40 male, Altek	1
4	GA5065530	Valve,Ball, 5 x AS40 female inlet / outlets, Lever handle, Altek	1

# Foam Marker Fill Tap

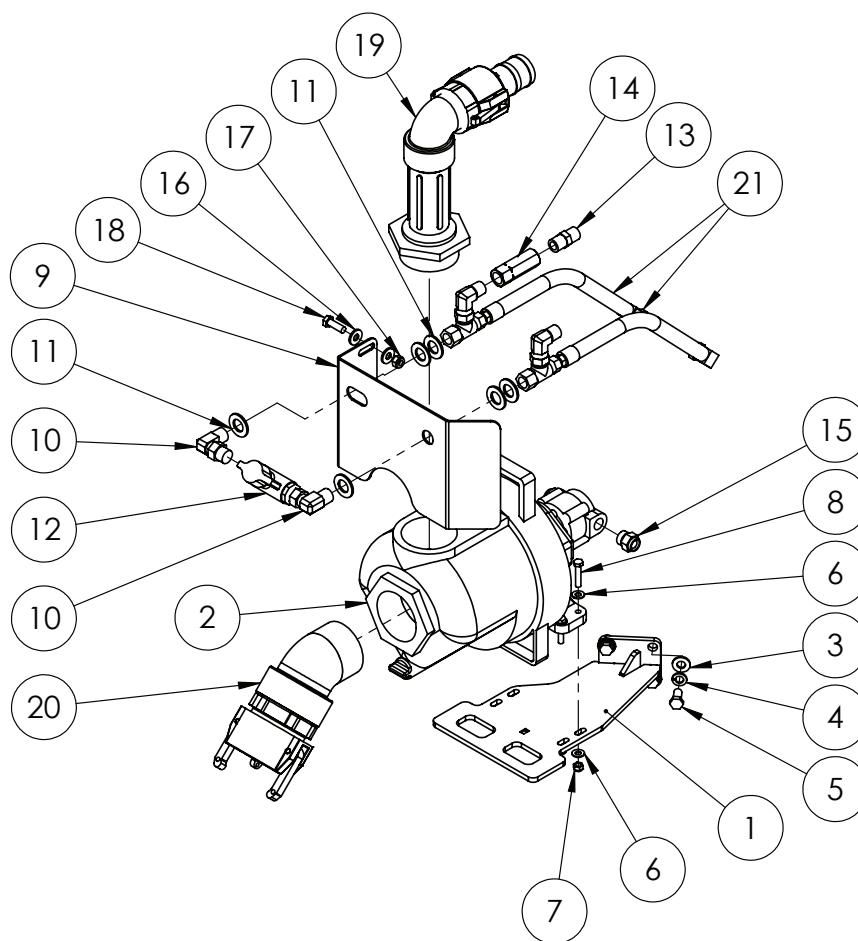


GA4903148-25 Hopper Manifold			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065555	Tee, AS40 female, no M8 inserts, Altek	1
2	GA5065605	Plug in adapter, AS40 x AS24, Altek	1
3	GA5065735	Plumbing adaptor, AS40 male x AS40 male, Altek	1
4	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm, Altek	1
5	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	3
6	GA5065750	Hose barb, Elbow, 90 degree, AS24 female x 15mm hose, Altek	1
7	GA5065695	Safety pin AS24	1

# Fill Filter



GA4903148-28 Fill Filter			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5001333	Fill Filter, 2", 7 mesh SS screen with 50 mesh screen sock, viton,	1
2	GA5078141	Street elbow, 45 degree, 2 male thread x 2 female thread, Banjo, SL200-45	1
3	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo, HB200	1
4	GA5077641	Coupling, socket, 2" female thread, Banjo, CPLG200	1



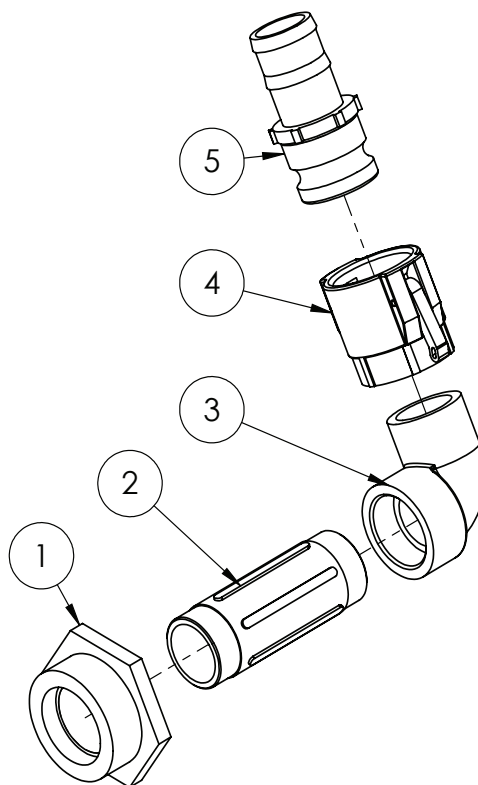
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658170	Mounting bracket, Hydraulic fill pump, Suit Prairie Evo	1
2	GA5076726	Pump, Centrifugal, Poly, 3, Hydraulic drive, Banjo, 300PHYV	1
3	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
4	GA5000575	Washer 12mm Spring SS	4
5	GA5000295	Set Screw M12 x 25 ZP GR8.8	4
6	GA5004883	Washer 8mm Flat ZP Heavy Duty	8
7	GA5004917	Nut M8 Nyloc ZP	4
8	GA5048655	Bolt M8 x 40 ZP GR8.8	4
9	GA4523865	Mount, Tap, Fill pump	1
10	GA3500323	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP male O-ring, S77-0808	2
11	GA5001739	Washer 20mm Flat Heavy Duty SS	6
12	GA5000835	Valve, Ball, Hydraulic, 1/2" female thread inlet / outlet	1
13	GA3500223	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPT male, S27-0808	1
14	GA5007060	Valve, Check, Hydraulic, 1/2" BSPP female inlet & outlet, 45L/min flow, Maximum 320bar	1

Continued over page

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
15	GA3500364	Hydraulic adaptor, Nipple, 1/2" BSPT male x 7/8" UN male O-ring, S93-0814	2
16	GA5000117	Washer 10mm Flat SS Heavy Duty	4
17	GA5000141	Nut M10 Nyloc ZP	2
18	GA5065455	Bolt M10 x 30 ZP GR8.8	2
19	GA4903149-3	Fill Pump Outlet Prairie Assembly	1
20	GA4903149-1	Fill Pump Inlet Prairie Assembly	1
21	GA4903149-2	Fill Pump Hyd Hose Assembly	2
22	GA5067911	Hydraulic Hose Assembly, Pump to Tap EF	1

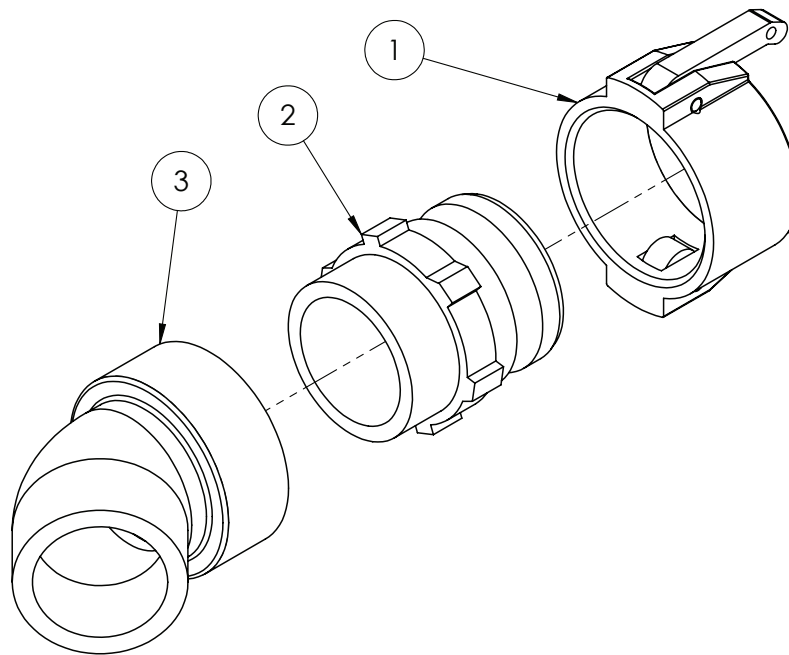
3" Fill Pump Spare Parts	
PART No.	DESCRIPTION
GA5050220	Seal Kit, suits, Banjo 2" + 3", Hydro pump

## 3" Fill Pump Outlet



GA4903149-3 Fill Pump Outlet

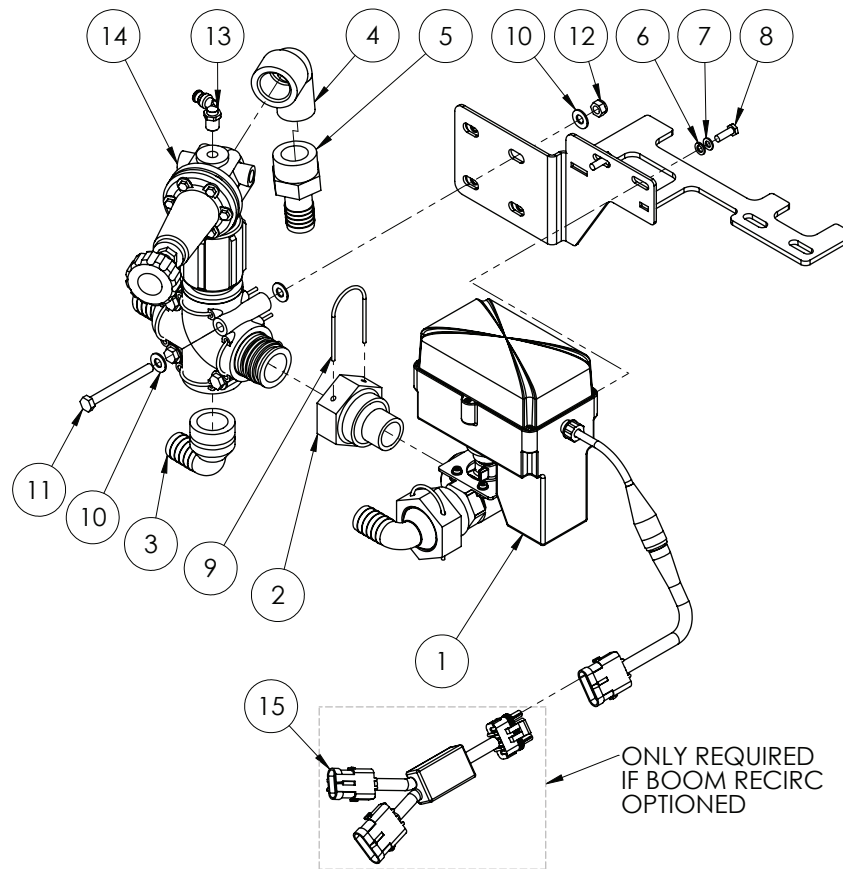
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078025	Bush, Reducing, Poly, 3" NPT Male Thread x 2" Female Thread, Banjo, RB300200	1
2	GA5077917	Nipple, 6" long, 2" thread x 2" thread, Banjo, NIP200-6	1
3	GA5078142	Street elbow, 90 degree, 2 male thread x 2 female thread, Banjo, SL200-90	1
4	GA5076611	Cam lever, 2 female coupler, 2 female thread, Banjo, 200D	1
5	GA5076613	Cam lever, 2 male coupling x 2 hose barb, Banjo, 200E	1



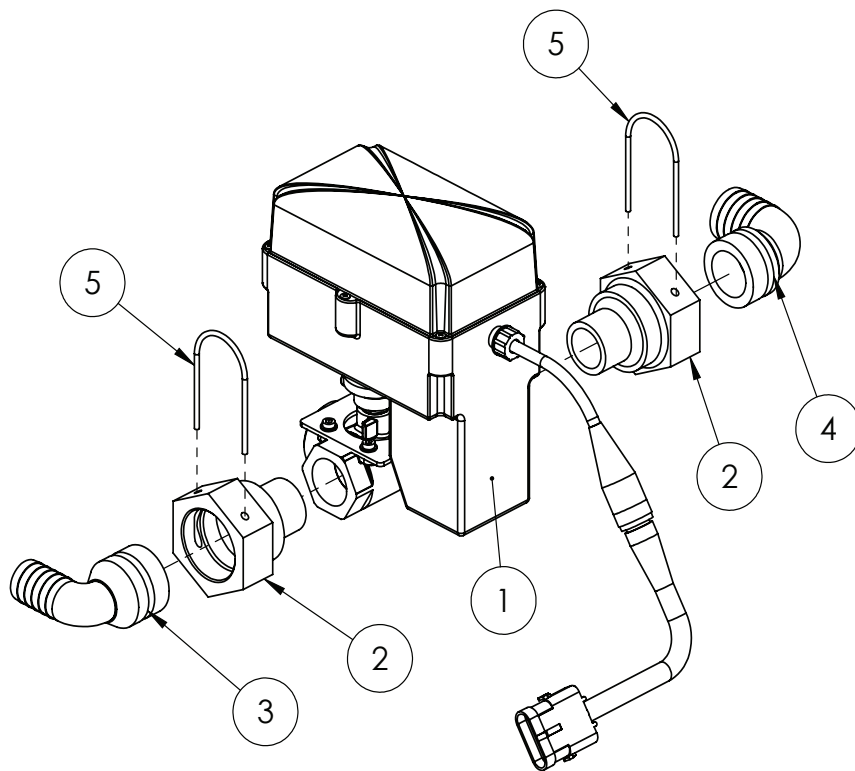
GA4903149-1      Fill Pump Inlet

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5076719	Cam lever, Female cap, 3", Banjo, 300CAP	1
2	GA5076722	Cam lever, 3 male coupling x 3 male thread, Banjo, 300F	1
3	GA5078143	Street elbow, 45 degree, 3 male x 3 female, Banjo, SL300-45	1

## Flow Control Assembly



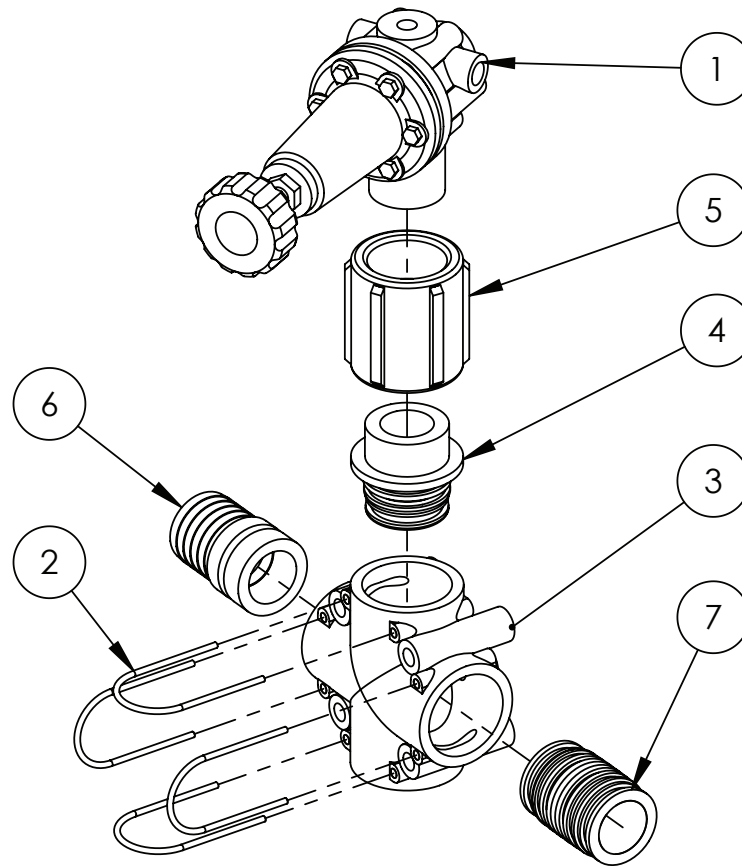
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4903287 - 01	Flow Control Fast Close Valve Sub Assembly (ref only)	1
2	GA4582385	Coupling, AS40 female x 1" NPT male thread	1
3	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm, Altek	1
4	GA5078137	Street elbow, 90 degree, 1 male x 1 female, Banjo, SL100-90	1
5	GA5077718	Hose barb, Straight, 1" male thread x 1" hose, Banjo, HB100	1
6	GA5004447	Washer, 6mm, Spring, SS	2
7	GA5004437	Washer 6mm Flat SS	2
8	GA5015001	Set Screw 1/4 x 3/4 ZP GR8	2
9	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	1
10	GA5004883	Washer 8mm Flat ZP Heavy Duty	12
11	GA5004749	Bolt M8 x 80 ZP GR8.8	4
12	GA5004917	Nut M8 Nyloc ZP	4
13	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4 BSP male x 6mm push type, Metal	1
14	GA4903287 - 02	Flow Control Safety Valve Sub Assembly (ref only)	1
15*	GA5060059	Loom Boom Recirc Bypass Module	1



GA4903287 - 01 Flow Control Fast Close Valve Sub Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5076332	Valve, Fast close regulator 3 way with loom adaptor, Raven, 1170171359	1
2	GA4582385	Coupling, AS40 female x 1" NPT male thread	2
3	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm, Altek	1
4	GA5065620	Hose barb, Elbow, 90 degree, AS40 x 33mm hose barb, Altek	1
5	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	2

## Flow Control Safety Valve

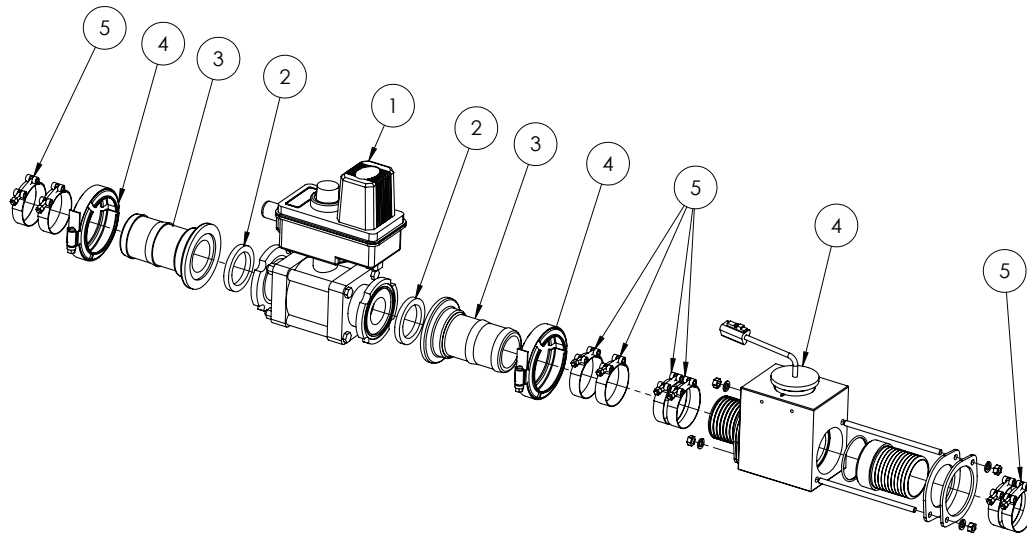


GA4903287 - 02 Flow Control Safety Valve Sub Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075640	Valve, Pressure relief, 15 bar, 1" male thread inlet x 1 1/4" male thread outlet, Polmac	1
2	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	4
3	GA5065565	Plumbing coupling, Cross, AS40 female inlets / outlets, Altek	1
4	GA5065595	Plug in hose tail AS40/GI 1/4" male	1
5	GA5077639	Coupling, socket, 1 1/4 female thread, Banjo, CPLG125	1
6	GA5065590	Hose barb, Straight, AS40 x 39mm hose, Altek	1
7	GA5065735	Plumbing adaptor, AS40 male x AS40 male, Altek	1

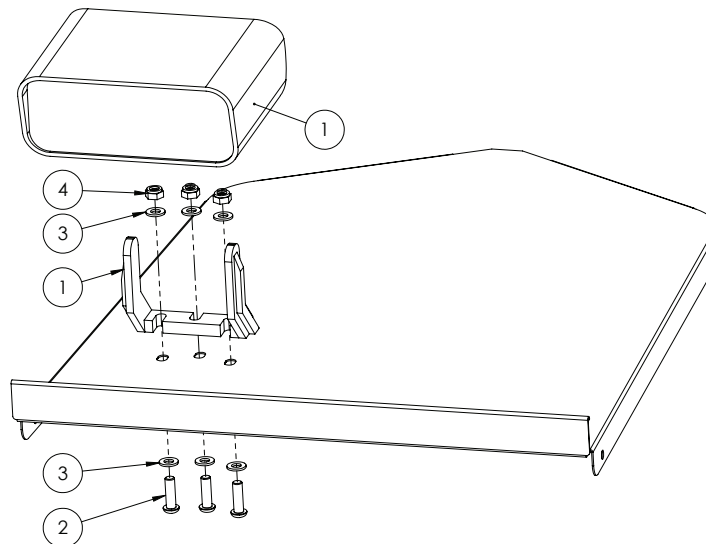


## Fill Flow Meter



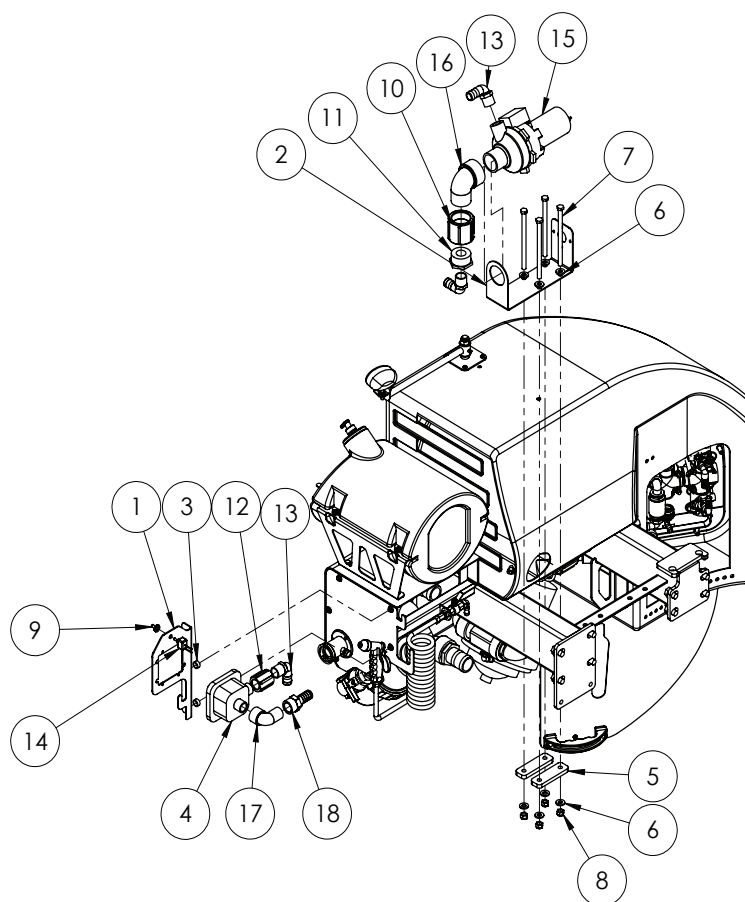
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5076868	Valve, Ball, Electric 2 way, 2 Flange, 346BEC-2F75C	1
2	GA5009335	Seal, 41.5 ID x 55 OD x 6.5mm thick, EPDM, suit 1 1/2" flange	2
3	GA5077837	Hose barb, Straight, 2 flange x 2 hose, Banjo, M200BRB	2
4	GA5077191	Flowmeter 40D, 2 hose barbs, Kit	1
4	FC200	Clamp, Worm screw, Use with 2" standard flange port, Banjo	2
5	GA5010191	Hose Clamp 2" T-Bolt SS	8

## Fill Flow Meter Monitor



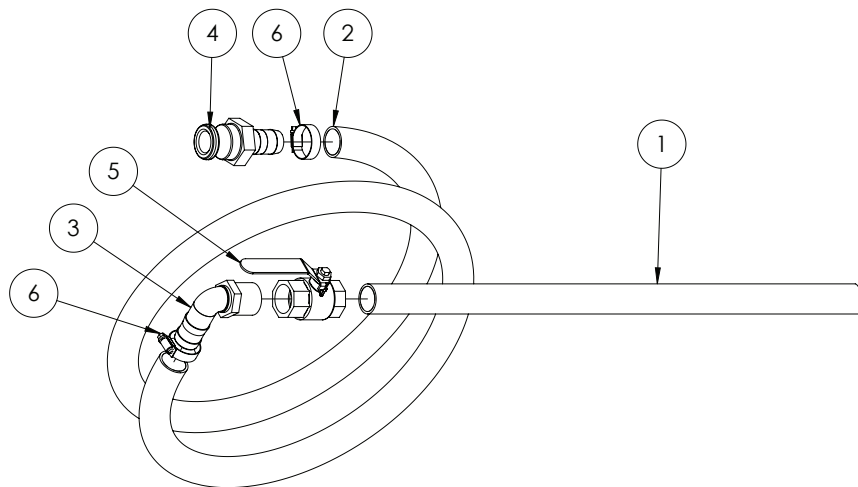
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077193	Kit, Fill flow meter, 40D F.M.Metric, 71 series monitor, 90-02324	1
2	GA5004053	BHCS M6 x 20 SS	3
3	GA5004437	Washer 6mm Flat SS	6
4	GA5048115	Nut M6 Nyloc ZP	3

## PH6 Pump Mounting Kit



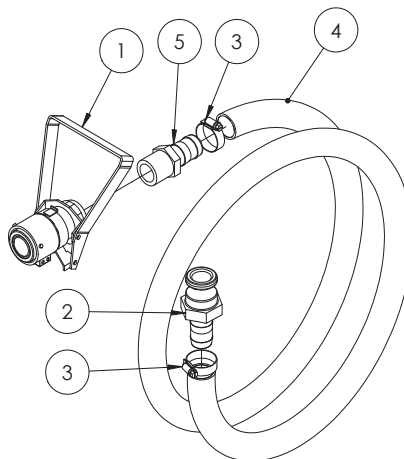
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4523891	PH6 Flow meter mounting plate	1
2	GA4523890	Mounting bracket, PH6 pump	1
3	GA4552070	Crush Tube, 16.2 ID, 20.5 OD, 9.5mm long	2
4	GA5068485	Flow meter, Flow serve SEM10 suit PH6 pump	1
5	F70107A	Plate, Clamp, 130 long x 40 wide x 12mm thick	2
6	GA5000587	Washer 12mm Flat ZP Heavy Duty	8
7	GA5011223	Bolt M12 x 200 ZP GR 8.8 ZP	4
8	GA5012461	Nut M12 Nyloc ZP	4
9	GA5012175	Cover, Toggle switch, Waterproof	1
10	GA5077641	Coupling, socket, 2" female thread, Banjo, CPLG200	1
11	GA5078021	Bush, Reducing, Poly, 2" Male Thread x 1" Female Thread, Banjo, RB200100	1
12	GA5077638	Coupling, socket, 1 female thread, Banjo, CPLG100	1
13	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	3
14	GA5016749	Switch, Toggle, On / Off, Water proof	1
15	GA5068480	Pump, Diaphragm, 12V, Flowserve PH6, Pump only	1
16	GA5078142	Street elbow, 90 degree, 2 male thread x 2 female thread, Banjo, SL200-90	1
17	GA5078137	Street elbow, 90 degree, 1 male x 1 female, Banjo, SL100-90	1
18	GA5077747	Hose barb, Straight, 1 female thread x 1 hose, Banjo, HBF100	1

## Chemical Probe



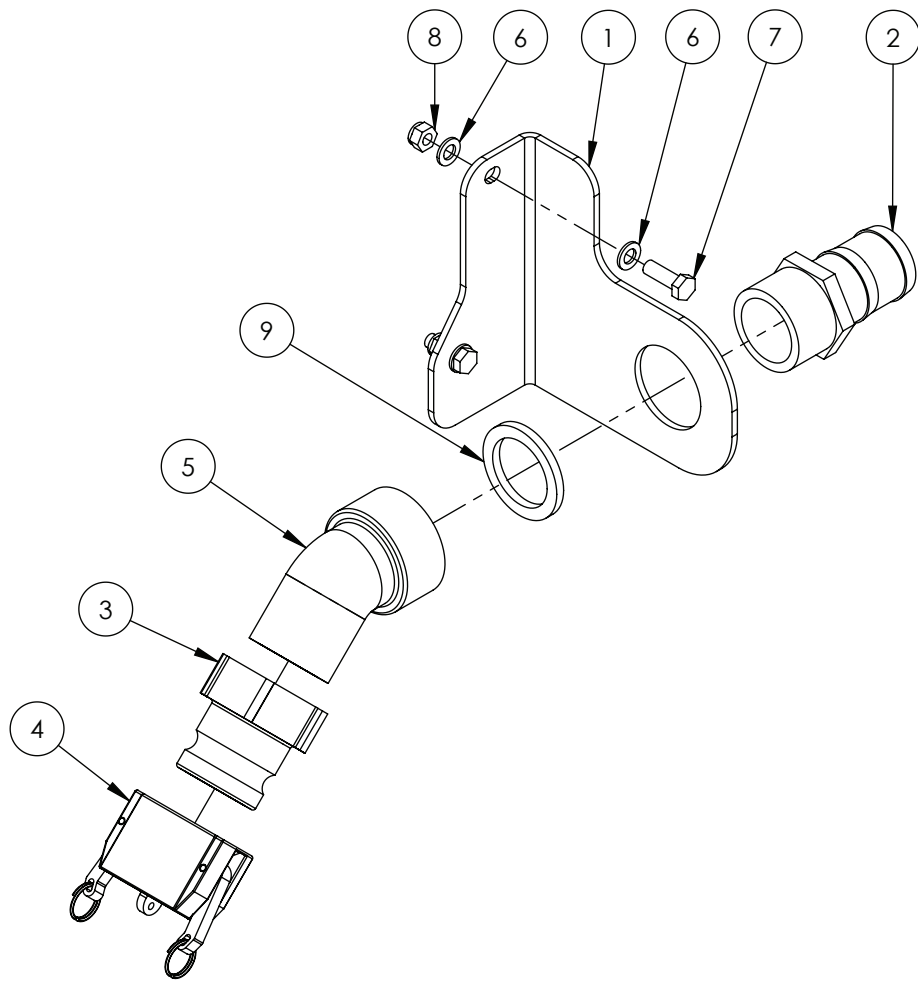
GA4948250 Chemical suction probe,  
Assembled

## Enviro coupling & hose



GA5020600 Enviro drum / micromatic coupling with suction  
hose

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018803	Micromatic drum valve coupling, 3 pin, Viton seals	1
2	GA5076011	Cam lever, 1 male coupling x 1 hose barb, Banjo, 100E	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, Banjo, HB100	1



GA4903286 Fill point 2' assembly Suit Evo 201 I (Used when no fill pump)

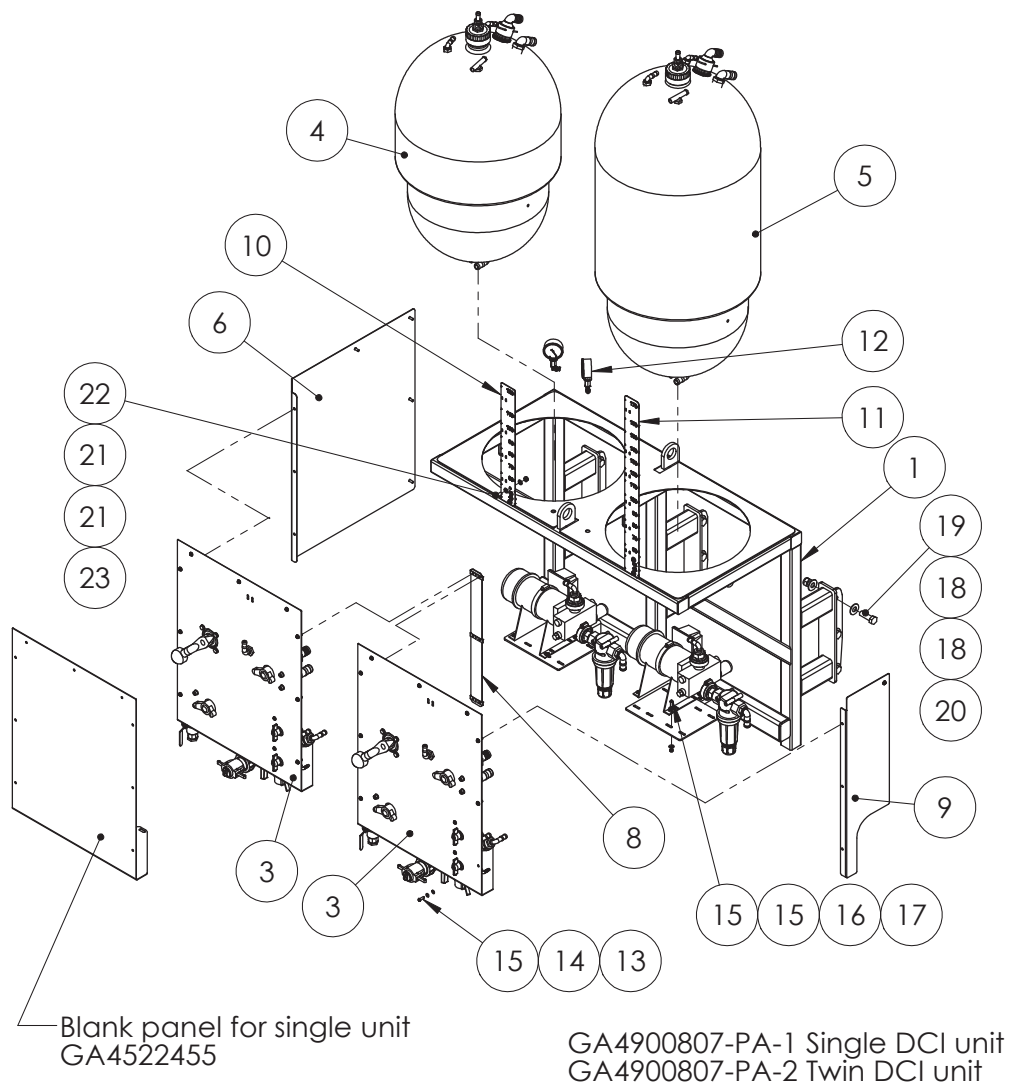
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4523870	Fill Pump Mount Plate Suit 2"	1
2	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo, HB200	1
3	GA5076606	Cam lever, 2 female cap, Banjo, 200CAP	1
4	GA5076609	Cam lever, 2" female cap	1
5	GA5078141	Street elbow, 45 degree, 2 male thread x 2 female thread, Banjo, SL200-45	1
6	GA5000117	Washer 10mm Flat SS Heavy Duty	4
7	GA5065455	Bolt M10 x 30 ZP GR8.8	2
8	GA5000141	Nut M10 Nyloc ZP	2
9	GA5076615	Seal, EPDM, Suit 2" flange fitting, Banjo, 200G	1



# Chapter 6

## DCI

### Direct Chemical Injection POD



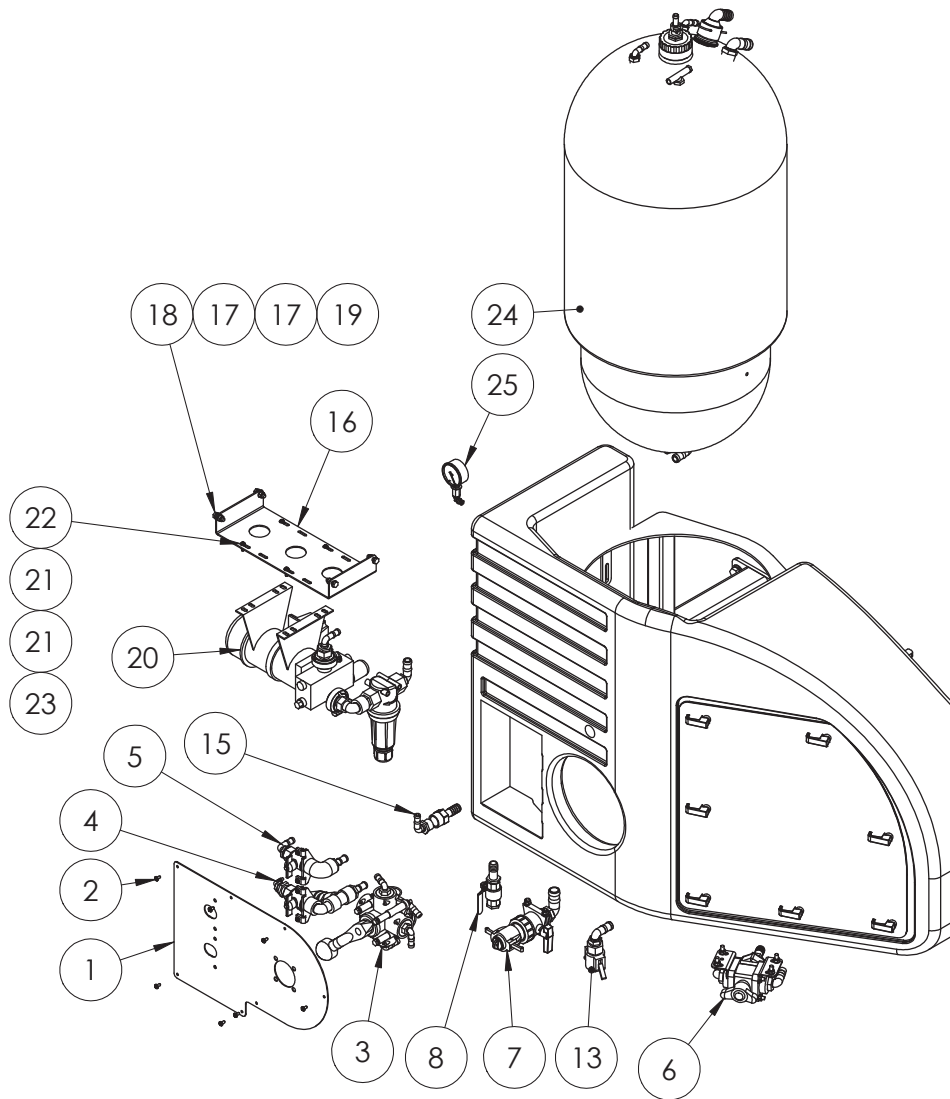
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656400	Direct Injection Frame narrow	1
2	GA4900807-10	DCI High volume pump assembly	2
3	GA4900807-1	Direct Chem Injection, 120 Lt Tank. single unit. does not include frame	2
4	GA4900807-8	DCI bottle layout 120L	1

Continued over page

## Direct Chemical Injection POD continued

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
5	GA4900807-12	DCI bottle layout 165l	1
6	GA4502230	cover suit direct injection (2nd unit)	1
7	GA5066830	Speed clip M6	3
8	GA4900807-11	Panel alignment strip assembly	1
9	GA4533435	Panel DCI Front Bolt on (1.6mm FMS cut & fold)	1
10	GA4523465	125L DCI level gauge	1
11	GA4523470	160L DCI level gauge	1
11b	GA4523471	160L DCI level gauge x 2 suit dual tanks	-
12	GA4900807-14	Chemical tank vacuum valve sub-assembly suit double DCI	2
13	GA5004437	Washer 6mm Flat SS	23
14	GA5004447	Washer, 6mm, Spring, SS	23
15	GA5004053	BHCS M6 x 20 SS	31
16	GA5017643	Washer, 1/4" ID x 5/8" OD x 18g, Flat SS	16
17	GA5048115	Nut M6 Nyloc ZP	8
18	GA5001043	Washer 16mm Flat SS HD	18
19	GA5000931	Bolt M16 x 50 ZP GR8.8	9
20	GA5001029	Nut M16 Nyloc ZP	9
21	GA5004883	Washer 8mm Flat ZP Heavy Duty	8
22	GA5011473	BHCS M8 x 25 SS	4
23	GA5052590	Nut M8 Nyloc SS	4

## Third DCI unit Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4502225	3rd DCI panel suit RHS pod	1
2	GA5014821	Screw 12G x 1/2", Self Tapper, SS	7
3	GA4900807-2	Ball valve, Sub assembly, Suit Crop Cruiser DCI	1
4	GA4900807-6	Tank vent ball valve sub-assembly	1
5	GA4900807-5	Tank rinse ball valve sub-assembly	1
6	GA4900807-3	Chem pump suction valve sub-assembly	1
7	GA4900807-7	Chem probe coupling ball valve sub-assembly	1
8	GA5018309	Valve, Ball, 12mm female thread inlet / outlet, Lever handle, SS	1
9	GA5077944	Plug, 3/4 male thread, Banjo, PLUG075	1
10	GA5077709	Hose barb, Straight, 3/4 male thread x 3/4 hose, Banjo, HB075	1
11	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	1
12	GA5077124	Cam lever, 3/4 male coupling x 3/4 female thread, Banjo, 75A	1

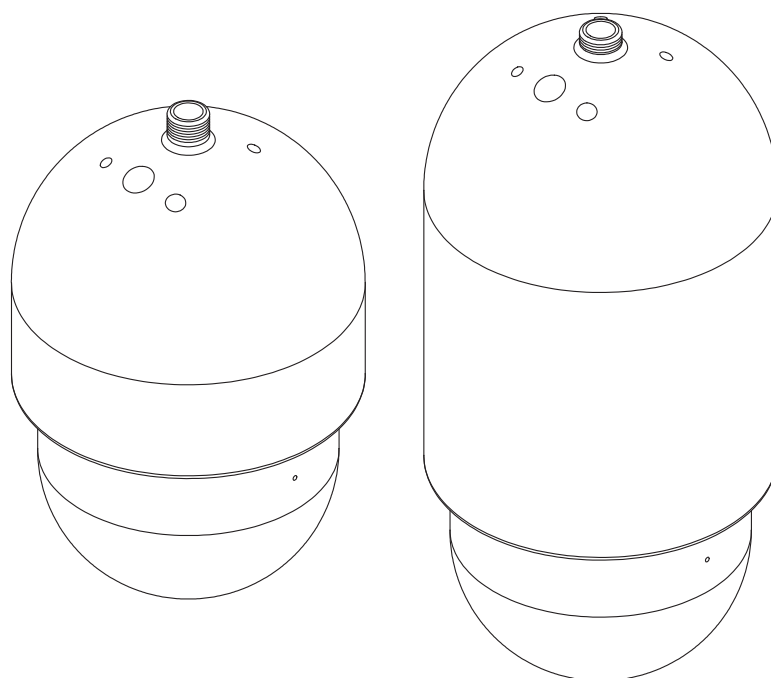
Continued over page



## Third DCI unit Assembly

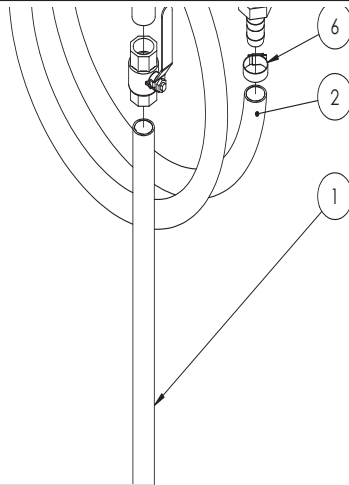
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	GA5077351	Cap, Poly pipe, 3/4, Banjo	1
14	GA5077743	Hose barb, Straight, 3/4 female x 3/4 hose, Banjo, HBF075	1
15	GA5077710	Hose barb, Elbow, 90 degree, 3/4 male thread x 1/2 hose, Banjo, HB075/050-90	1
16	GA4534670	DCI 3rd pump mount	1
17	GA5004883	Washer 8mm Flat ZP Heavy Duty	8
18	GA5004711	Bolt M8 x 25 ZP GR8.8	4
19	GA5004917	Nut M8 Nyloc ZP	4
20	GA4900807-10	DCI High volume pump assembly	1
21	GA5004437	Washer 6mm Flat SS	8
22	GA5004053	BHCS M6 x 20 SS	4
23	GA5048115	Nut M6 Nyloc ZP	4
24	GA4900807-8	DCI bottle layout 120L	1
	GA4900807-12	DCI bottle layout 165L	
25	GA4900807-14	Chemical tank vacum valve sub-assembly suit double DCI	1

## Direct Injection Tanks



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5020635	Tank, 120L Natural, Exacta Foam/direct inject (Blank)	1
2	GA5018495	Tank 165 L, Natural, Direct Injection	1

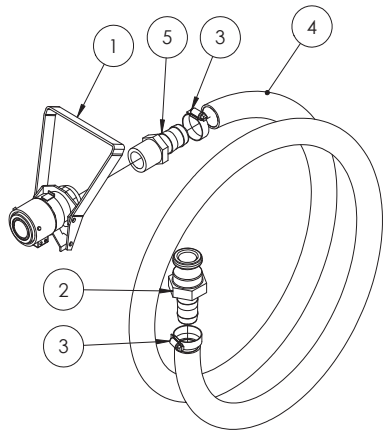
# Chemical Probe



GA4948250 Chemical suction probe, Assembled

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5013603	Poly Pipe 25mm (cut 630mm long)	1
2	GA2000220	Hose, Suction, PVC, 25mm, Black (cut 3200mm long)	1
3	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	1
4	GA5076011	Cam lever, 1 male coupling x 1 hose barb, Banjo, 100E	1
5	GA5018309	Valve, Ball, 12mm female thread inlet / outlet, Lever handle, SS	1
6	GA5001681	Hose Clamp, 1" SS (20-32/12W)	2

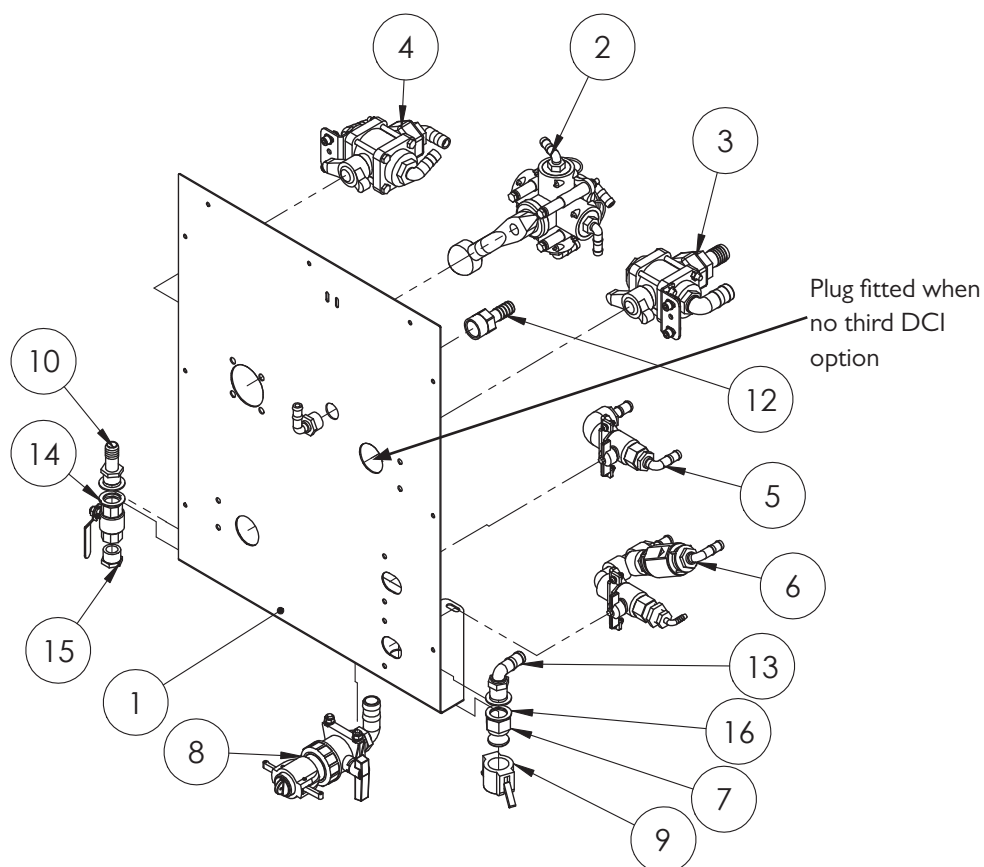
# Enviro coupling & hose



GA5020600 Enviro drum / micromatic coupling with suction hose

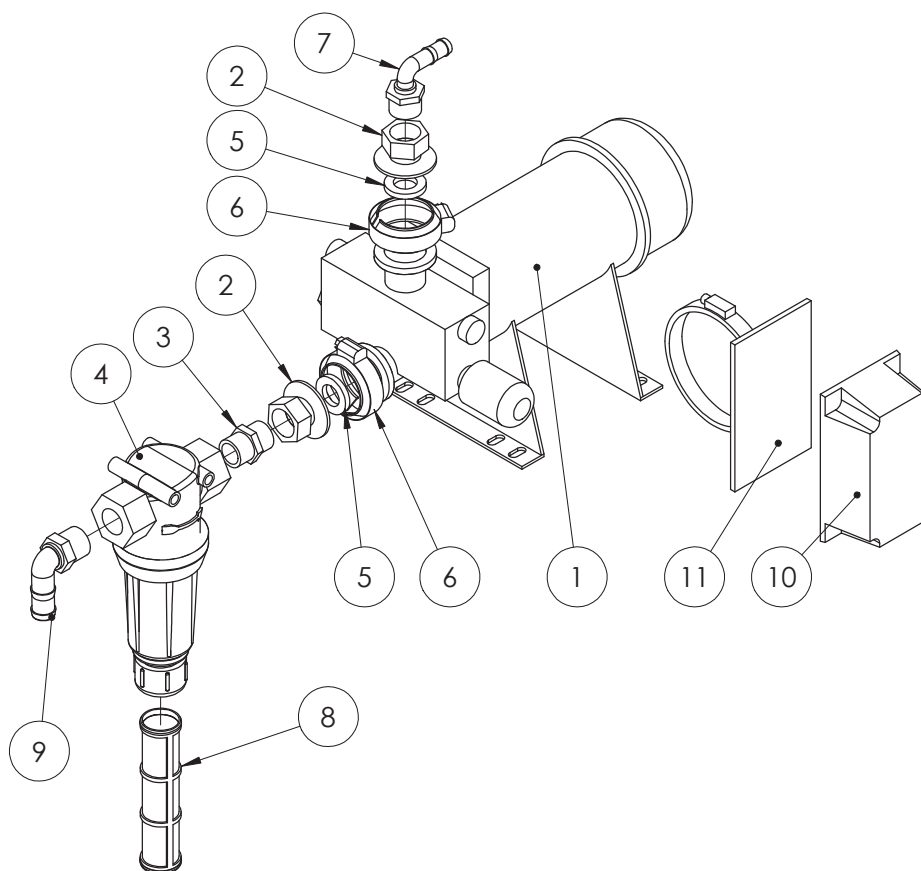
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018803	Micromatic drum valve coupling, 3 pin, Viton seals	1
2	GA5076011	Cam lever, 1 male coupling x 1 hose barb, Banjo, 100E	1
3	GA5001681	Hose Clamp, 1" SS (20-32/12W)	2
4	GA2000220	Hose, Suction, PVC, 25mm, Black (cut 2840mm long)	1
5	GA5077718	Hose barb, Straight, 1" male thread x 1" hose, Banjo, HB100	1

## Cover Plate Assembly



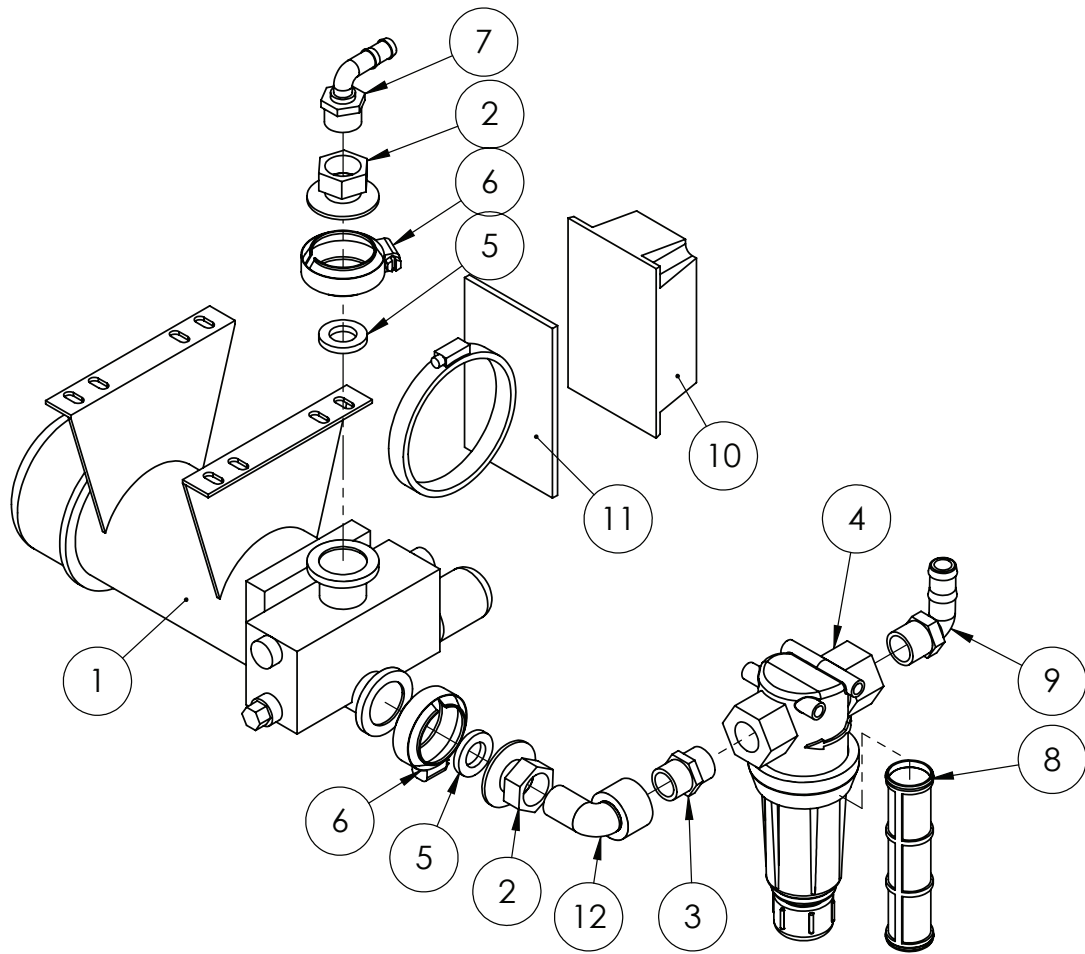
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4502180	Cover for direct chem injection 2mm fms	1
2	GA4900807-2	Ball valve, Sub assembly, Suit Crop Cruiser DCI	1
3	GA4900807-4	Chemical tank vacuum valve sub-assembly	1
4	GA4900807-3	Chem pump suction valve sub-assembly	1
5	GA4900807-5	Tank rinse ball valve sub-assembly	1
6	GA4900807-6	Tank vent ball valve sub-assembly	1
7	GA5077124	Cam lever, 3/4 male coupling x 3/4 female thread, Banjo, 75A	1
8	GA4900807-7	Chem probe coupling ball valve sub-assembly	1
9	GA5077351	Cap, Poly pipe, 3/4, Banjo	1
10	GA5077709	Hose barb, Straight, 3/4 male thread x 3/4 hose, Banjo, HB075	1
11	GA5077710	Hose barb, Elbow, 90 degree, 3/4 male thread x 1/2 hose, Banjo, HB075/050-90	1
12	GA5077743	Hose barb, Straight, 3/4 female x 3/4 hose, Banjo, HBF075	1
13	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	1
14	GA5018313	Valve, Ball, 20mm female thread inlet / outlet, Lever handle, SS	1
15	GA5077944	Plug, 3/4 male thread, Banjo, PLUG075	1
16	GA4522315	Washer, 27 ID x 40 OD x 2mm thick, SS	4

## Injection Pump



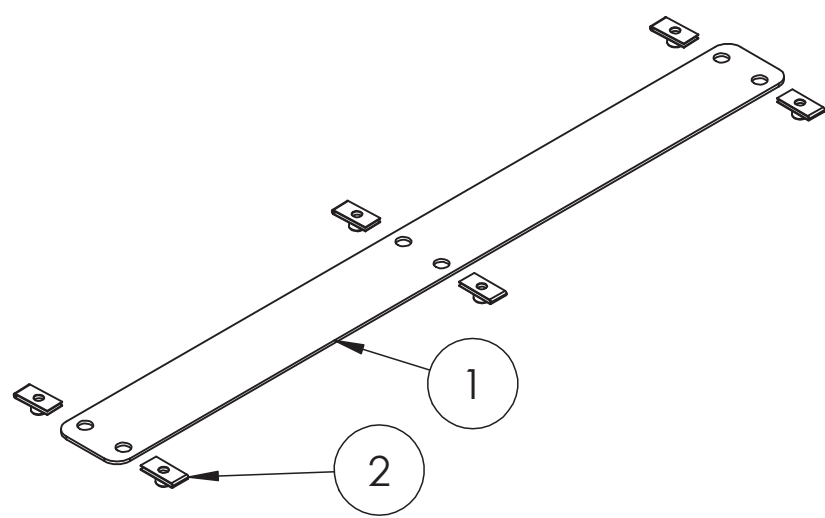
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075914	Pump, DCI Injection, 5-200 oz/min (high vol), 3/4, Raven, 0630172428	1
	GA5075924	Pump, DCI Injection, 1-40 oz/min (low vol), 3/4, Raven, 0630172510	1
2	GA5077804	Coupling, 1 flange x 3/4 female thread, Banjo, M100075FPT	2
3	GA5077913	Nipple, 3/4 male x 3/4 male, Short, Banjo, NIP075SH	1
4	GA5077270	Filter, 3/4 female thread inlet/outlet, 200 mesh screen, Teejet, AAB126ML-3-200	1
5	GA5077818	Seal, 1", 100 series manifold gasket, EPDM, Banjo, M100G	2
6	GA5077664	Clamp, Worm screw, Use with 1 standard flange port, Banjo, FC100	2
7	GA5077710	Hose barb, Elbow, 90 degree, 3/4 male thread x 1/2 hose, Banjo, HB075/050-90	1
8	GA5077400	Filter screen, 30 mesh, SS & polypropylene, Suits Teejet 3/4, 1 & 50 series flange filters. Dia 36mm x Length 147mm.	1
9	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	1
10	0630172479	Node, DCI Pump, CAN, Raven	1
11	GA4537345	Bracket, CAN node mount suit DCI pump, Raven	1
12	GA5053945	Hose Clamp Quick release 51mm - 130mm (PK 10)	1

# Injection Pump



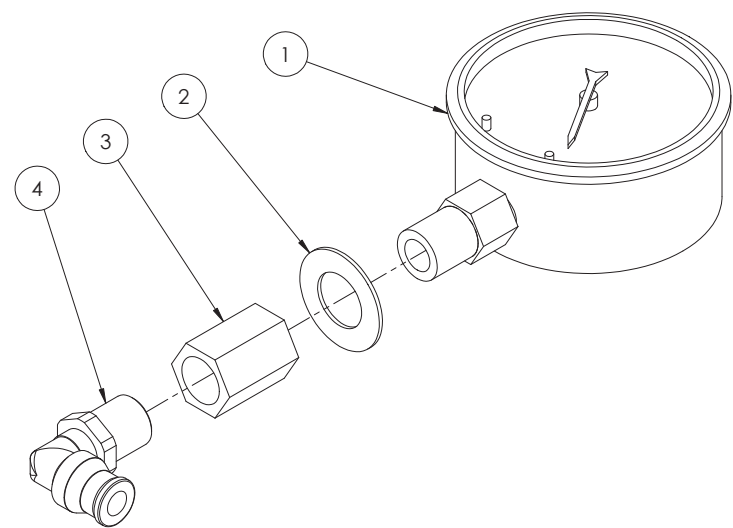
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075914	Pump, DCI Injection, 5-200 oz/min (high vol), 3/4, Raven, 0630172428	1
2	GA5077804	Coupling, 1 flange x 3/4 female thread, Banjo, M100075FPT	2
3	GA5077913	Nipple, 3/4 male x 3/4 male, Short, Banjo, NIP075SH	1
4	GA5077270	Filter, 3/4 female thread inlet/outlet, 200 mesh screen, Teejet, AAB126ML-3-200	1
5	GA5077818	Seal, 1", 100 series manifold gasket, EPDM, Banjo, M100G	2
6	FC100	Clamp, Worm screw, Use with 1" standard flange port, Banjo	2
7	GA5077710	Hose barb, Elbow, 90 degree, 3/4" male thread x 1/2" hose	1
8	GA5077400	Filter screen, 30 mesh, SS & polypropylene, Suits Teejet 3/4, 1 & 50 series flange filters. Dia 36mm x Length 147mm.	1
9	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	1
10	GA5075919	Node, DCI Pump, CAN, Raven, 0630172479	1
11	GA5076311	Bracket, CAN node mount suit DCI pump, Raven, 1170159984	1
12	GA5078135	Street elbow, 90 degree, 3/4 female thread x 3/4 male thread, Banjo, SL075-90	1

# Panel Alignment Strip



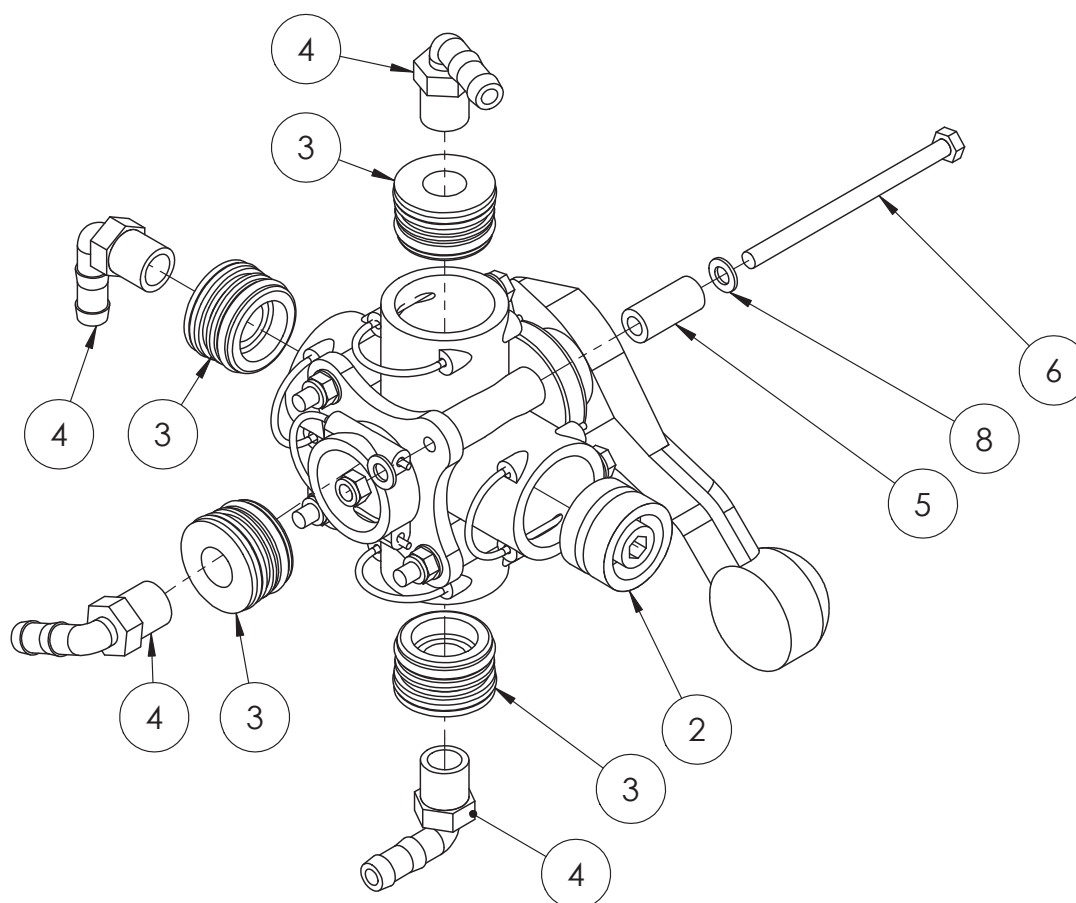
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4502235	Direct injection alignment strip	1
2	GA5066830	Speed clip M6	6

# Vacuum gauge



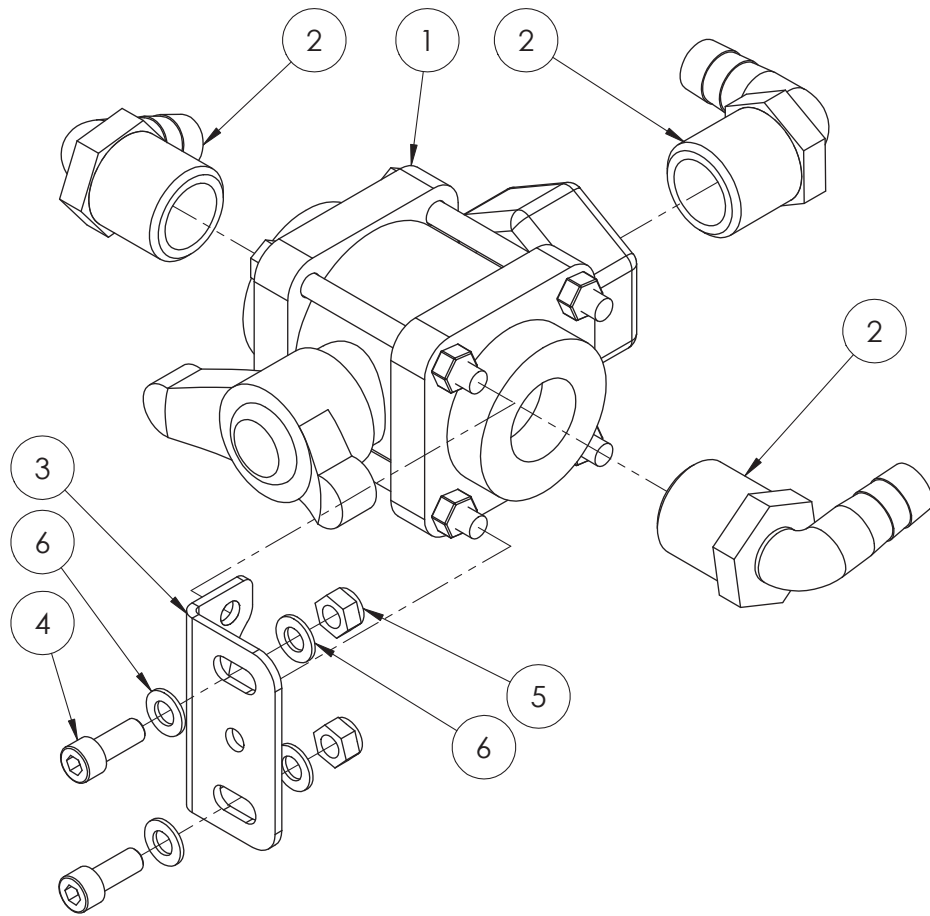
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5051030	Gauge small Vacuum -100-0 kpa	1
2	GA5017641	Washer 1/2" x 1" x 16g Flat SS	1
3	GA5066940	Socket, 1/4" female thread, Hex, Brass	1
4	GA5016235	Swivel Elbow push in Brass 10mm x 1/4" BSP	1

## Valve sub assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065530	Valve,Ball, 5 x AS40 female inlet / outlets, Lever handle, Altek	1
2	GA5065680	Plug, AS40 male, Altek	1
3	GA4582345	Dummy plug AS40 GI 1/2" female (45mm Delron)	4
4	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	4
5	GA4552135	Spacer for Altek rotary valve	4
6	GA5011501	Bolt M8 x 120 ZP GR8.8	4
7	GA5004917	Nut M8 Nyloc ZP	4
8	GA5004883	Washer 8mm Flat ZP Heavy Duty	8
	GA5065531	Handle, Red plastic, Suit 5 way ball valve, Altek	1

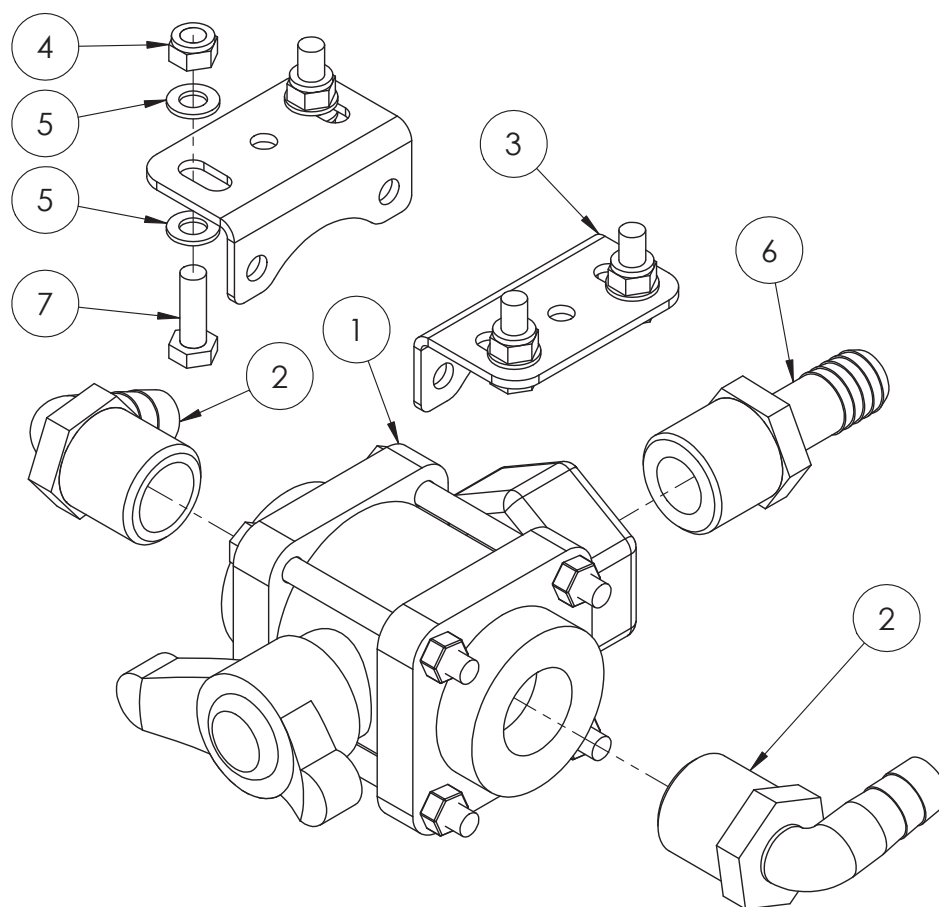
## Chemical pump suction valve



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078177	Valve, Ball, 3 way, 1 female thread inlet / outlet, Bottom port, Butterfly handle, Banjo, VI00BL	1
2	GA5077719	Hose barb, Elbow, 90 degree, 1 male thread x 3/4 hose, Banjo, HB100/075-90	3
3	GA4502210	Mounting plate, to suit ball valve	1
4	GA5004707	SHCS M8 x 20 ZP GR12.9	2
5	GA5004917	Nut M8 Nyloc ZP	2
6	GA5004883	Washer 8mm Flat ZP Heavy Duty	4

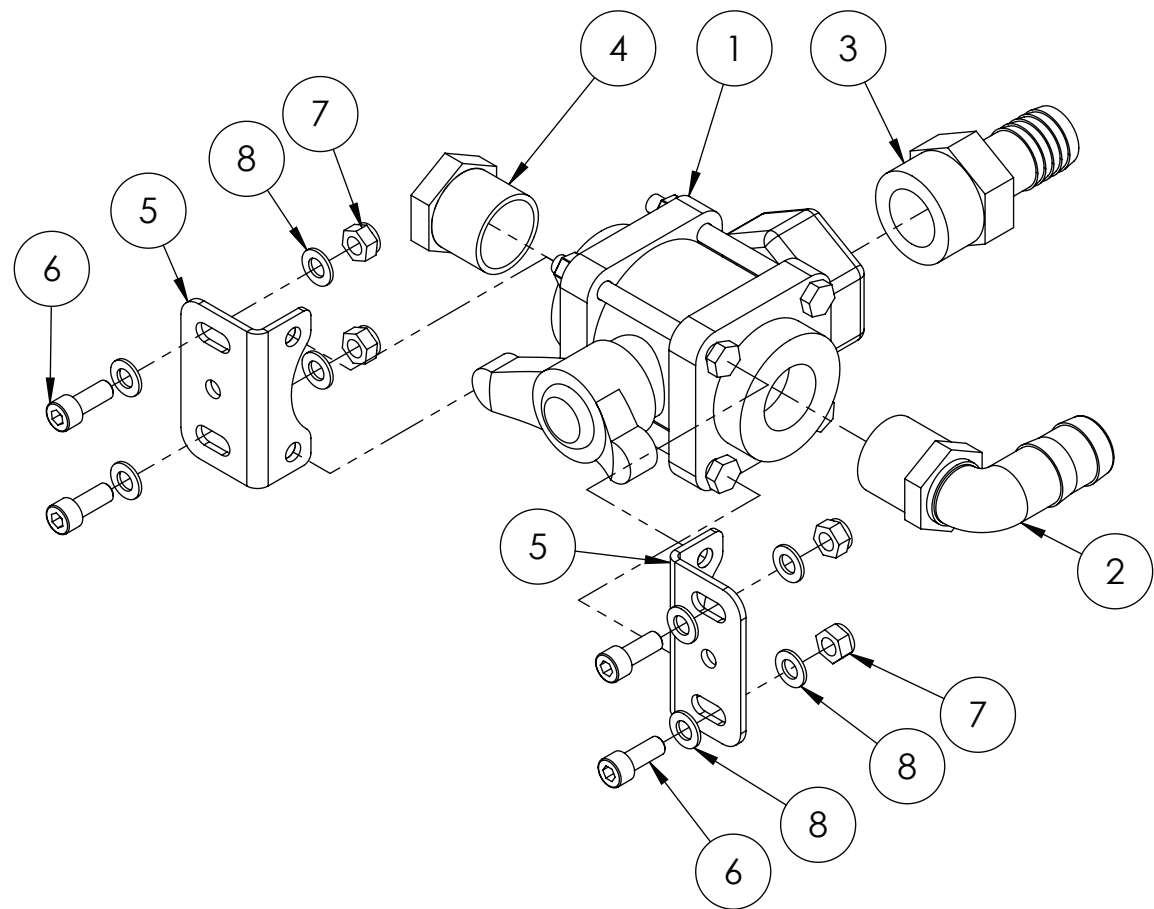


## Chemical pump suction valve



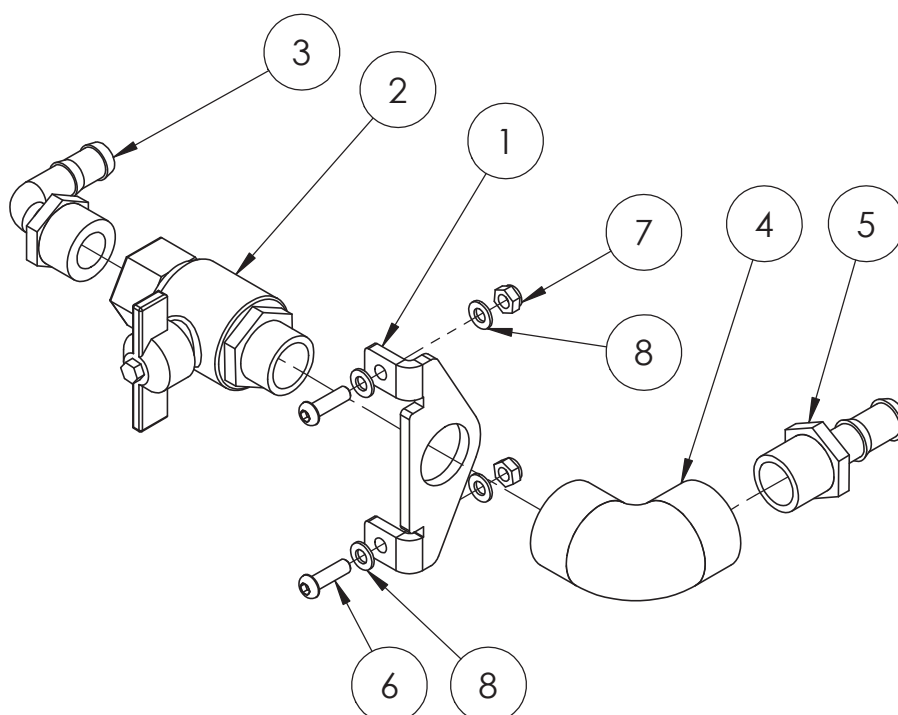
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078177	Valve, Ball, 3 way, 1 female thread inlet / outlet, Bottom port, Butterfly handle, Banjo, VI00BL	1
2	GA5077719	Hose barb, Elbow, 90 degree, 1 male thread x 3/4 hose, Banjo, HB100/075-90	2
3	GA4502210	Mounting plate, to suit ball valve	2
4	GA5004917	Nut M8 Nyloc ZP	4
5	GA5004883	Washer 8mm Flat ZP Heavy Duty	8
6	GA5077709	Hose barb, Straight, 3/4 male thread x 3/4 hose, Banjo, HB075	1
7	GA5004711	Bolt M8 x 25 ZP GR8.8	4

# Chemical tank vacuum valve



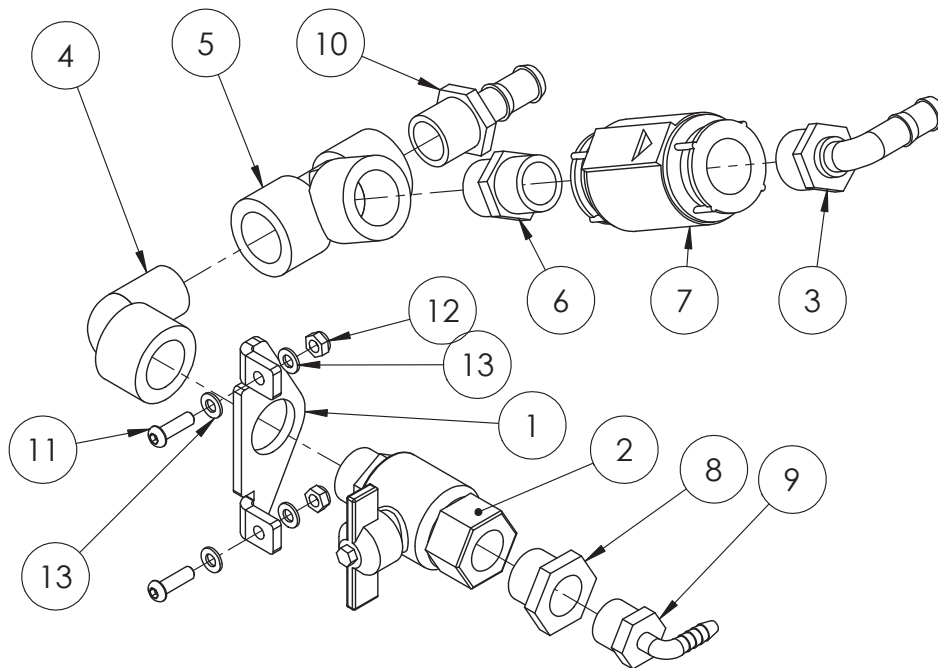
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078177	Valve, Ball, 3 way, 1 female thread inlet / outlet, Bottom port, Butterfly handle, Banjo, V100BL	1
2	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	1
3	GA5077718	Hose barb, Straight, 1" male thread x 1" hose, Banjo, HB100	1
4	GA5077945	Plug, 1 male thread, Banjo, PLUG100	1
5	GA4502210	Mounting plate, to suit ball valve	2
6	GA5004707	SHCS M8 x 20 ZP GR12.9	4
7	GA5004917	Nut M8 Nyloc ZP	4
8	GA5004883	Washer 8mm Flat ZP Heavy Duty	8

## Tank rinse ball valve



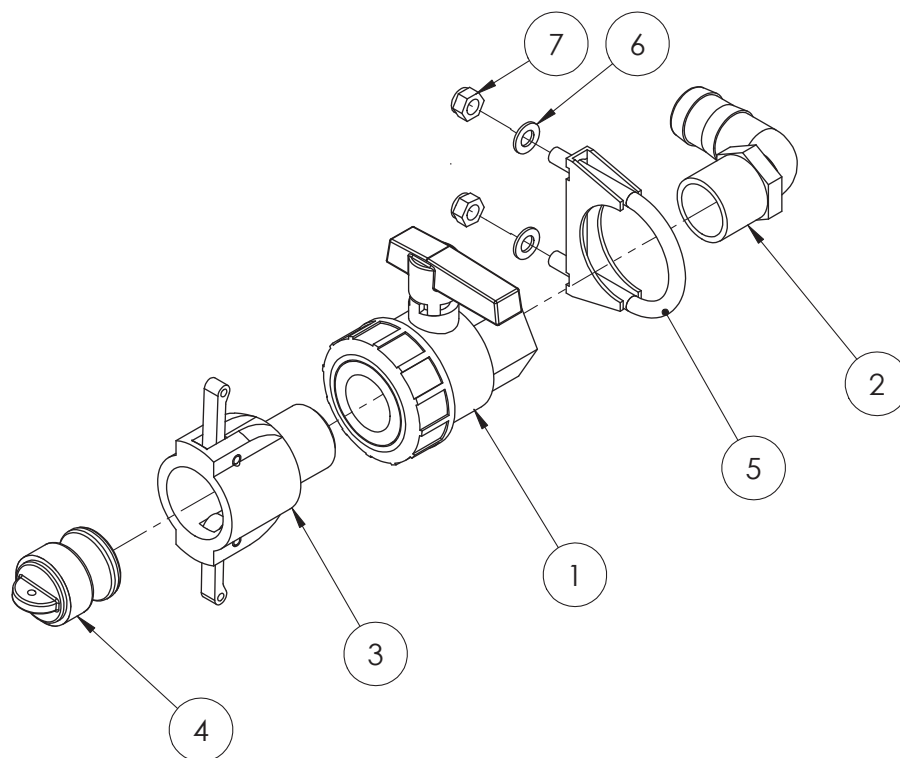
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70648A	Tap mounting plate	1
2	GA5018315	Valve, Ball, 20mm male & female thread, Black Butterfly handle	1
3	GA5077710	Hose barb, Elbow, 90 degree, 3/4 male thread x 1/2 hose, Banjo, HB075/050-90	1
4	GA5077653	Street elbow, 90 degree, 3/4 female thread, Banjo, EL075-90	1
5	GA5077713	Hose barb, Straight, 3/4 male thread x 1/2 hose, Banjo, HB075-050	1
6	GA5004053	BHCS M6 x 20 SS	2
7	GA5048115	Nut M6 Nyloc ZP	2
8	GA5004437	Washer 6mm Flat SS	4
9	GA5001893	Washer 1" x 1 7/8" x 14G	1

## Tank vent ball valve



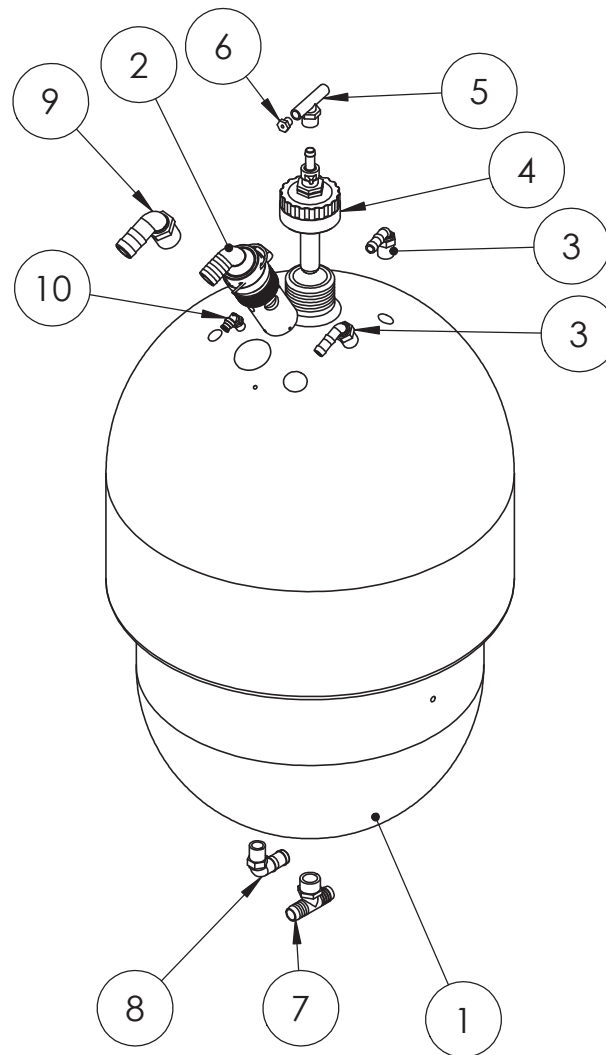
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70648A	Tap mounting plate	1
2	GA5018315	Valve, Ball, 20mm male & female thread, Black Butterfly handle	1
3	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	1
4	GA5078135	Street elbow, 90 degree, 3/4 female thread x 3/4 male thread, Banjo, SL075-90	1
5	GA5078150	Tee, Threaded, 3/4 female, Banjo, TEE075	1
6	GA5078087	Nipple, Reducing, Poly, 3/4" x 1/2" Male Thread, Banjo, RN075050	1
7	GA5051380	Valve, Check, 1/2" female thread inlet / outlet, SS, 200psi maximum	1
8	GA5078010	Bush, Reducing, Poly, 3/4" Male Thread x 1/2" Female Thread, Banjo, RB075050	1
9	GA5077656	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/4" hose, EL1214	1
10	GA5077713	Hose barb, Straight, 3/4 male thread x 1/2 hose, Banjo, HB075-050	1
11	GA5004053	BHCS M6 x 20 SS	2
12	GA5048115	Nut M6 Nyloc ZP	2
13	GA5004437	Washer 6mm Flat SS	4

## Chemical probe coupling ball valve



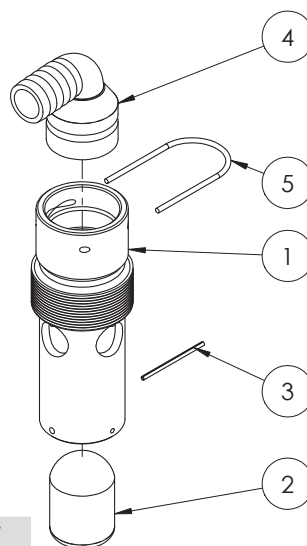
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078164	Valve, Ball, 1" female thread inlet / outlet, Full port, Lever handle, Banjo, UVI00FP	1
2	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HBI00-90	1
3	GA5076007	Cam lever, 1 female coupler, 1 male thread, Banjo, I00B	1
4	GA5076013	Cam lever, Male plug, 1, Banjo, I00PL	1
5	GA5006705	Exhaust clamp C8 2"	1
6	GA5004883	Washer 8mm Flat ZP Heavy Duty	2
7	GA5052590	Nut M8 Nyloc SS	2

## DCI bottle



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5020635	Tank, 120L Natural, Exacta Foam/direct inject (Blank)	1
2	GA4900807-9	Pre-assembly DCI fill shut off	1
3	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	2
4	GA4903050	Cap, Pre-assembled with rinse nozzle, Suit transcal and DCI	1
5	GA3500391	Tee, Threaded, 1/2" male x 1/2" hose, T12T	1
6	A1814	Male Taper Pipe by Hose Barb 1/8" x 1/4"	1
7	GA3500431	Hose barb, Tee, 3/4" hose barb x 3/4" hose barb x 3/4" male thread, T34T	1
8	GA5077704	Hose barb, Elbow, 90 degree, 1/2 male thread x 3/4 hose, Banjo, HB050/075-90	1
9	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	1
10	GA5016235	Swivel Elbow push in Brass 10mm x 1/4" BSP	1

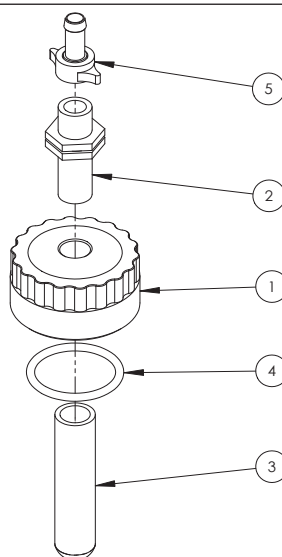
## Fill shut off assembly



GA4900807-9 Pre-assembly DCI fill shut off

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4552140	Venturi fill stop housing	1
2	GA5066840	Ball float	1
3	GA5066835	Roll Pin 4mm x 50mm Stainless Steel	1
4	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm, Altek	1
5	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	1

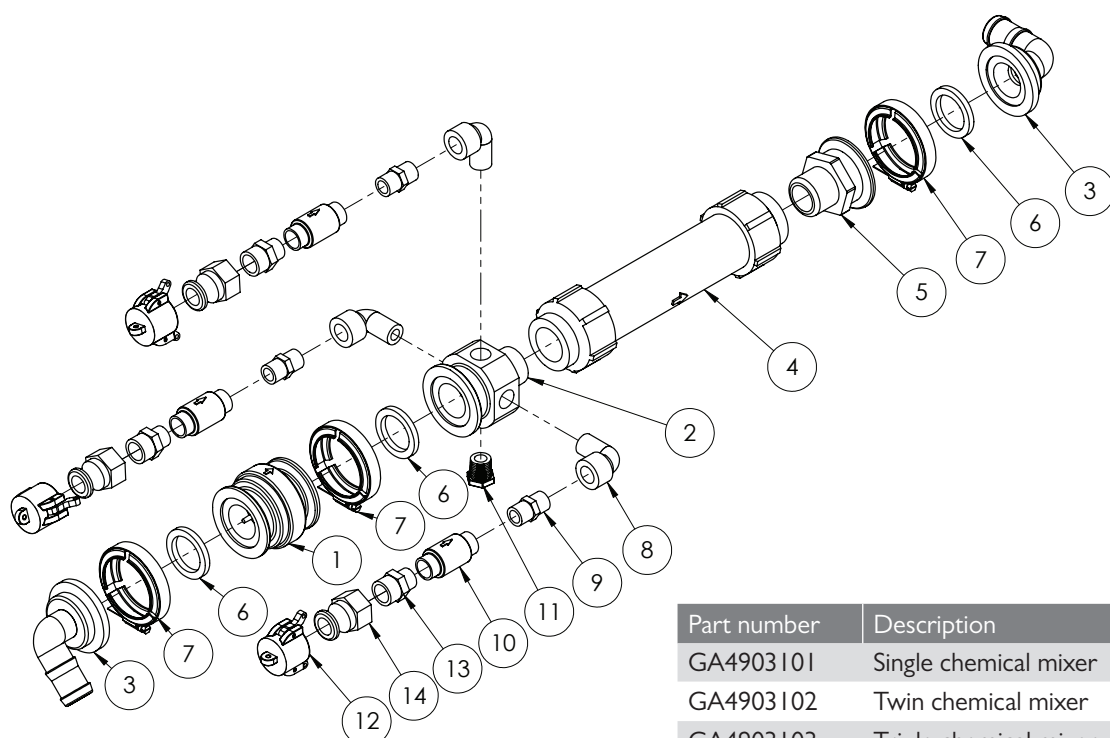
## Rinse Nozzle & Cap



GA4903050 Cap, Pre assembled with rinse nozzle

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	L055A	Cap / Lid, 80 OD, 1/2" BSPP female thread in top, Suit Transcal	1
2	2502021	Long Thread Nipple 1/2"	1
3	GA5077063	Nozzle, Drum & container rotating rinsing jet, ARAG, 510111	1
4	GA5009187	O-ring, 60 x 5.5mm, suits exacta tank cap	1
5	GA5075655	Hose barb, Brass, 13mm hose x fly nut end, ARAG, 006330	1

## Mixing Chamber

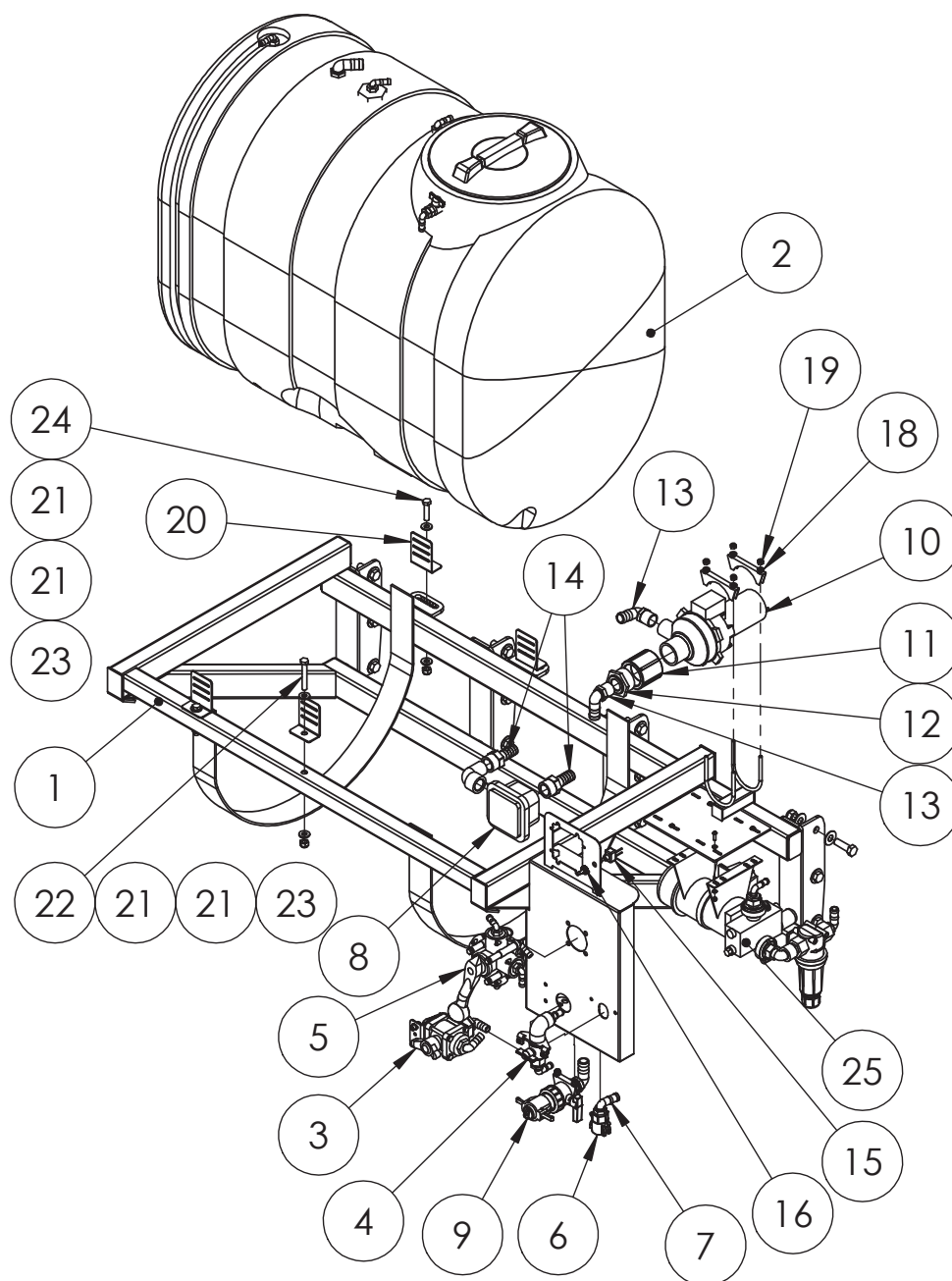


Part number	Description
GA4903101	Single chemical mixer
GA4903102	Twin chemical mixer
GA4903103	Triple chemical mixer

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077890	Valve, Check, 2" Manifold, Flange, Banjo, MCV200	1
2	GA4572025	Manifold, 2" flange x 1 1/4" male thread x 1/2" female thread	1
3	GA5077831	Hose barb, Elbow, 90 degree, 2 flange x 1 1/4 hose, Banjo, M200125BRB90	2
4	GA5075831	Mixer, Flow Assembly suit DCI 1 1/4 NPT, Raven, 0630159632	1
5	GA5077832	Plumbing adaptor, 2 flange x 1 1/4 male thread, Banjo, M200125MPT	1
6	GA5009335	Seal, 41.5 ID x 55 OD x 6.5mm thick, EPDM, suit 1 1/2" flange	3
7	FC200	Clamp, Worm screw, Use with 2" standard flange port, Banjo	3
8	GA5078133	Street elbow, 90 degree, 1/2 female thread x 1/2 male thread, Banjo, SL050-90	3
9	GA5048310	Nipple, 1/2" thread x 1/2" thread, Brass	3
10	GA5051380	Valve, Check, 1/2" female thread inlet / outlet, SS, 200psi maximum	3
11	GA5077943	Plug, 1/2 male thread, Banjo, PLUG050	1
12	GA5077131	Cam lever, Female cap, 3/4, Banjo, 75CAP	3
13	GA5078087	Nipple, Reducing, Poly, 3/4" x 1/2" Male Thread, Banjo, RN075050	3
14	GA5077124	Cam lever, 3/4 male coupling x 3/4 female thread, Banjo, 75A	3



## Bulk DCI 600lt module



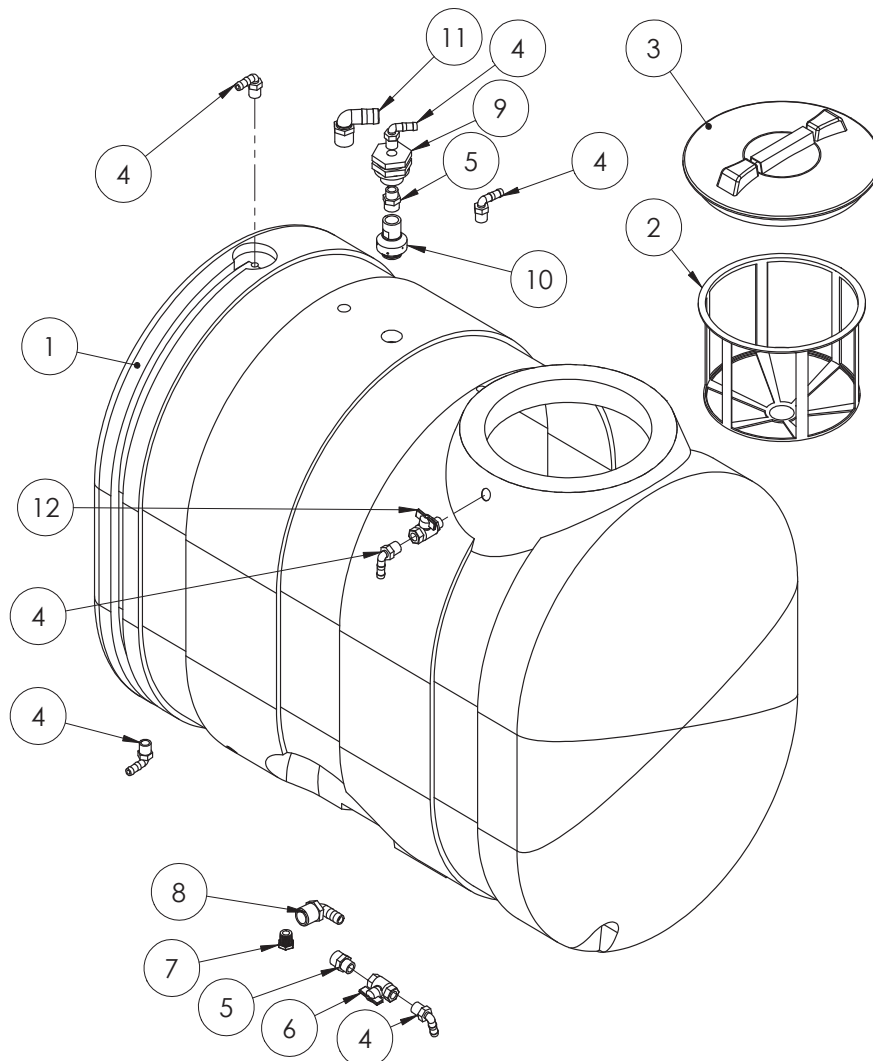
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4657460	Bulk DCI 600L frame 2011	1
2	GA4903294-01	DCI Bulk with 600L tank suit 2011 Evo	1
3	GA4900807-3	Chem pump suction valve sub-assembly	1
4	GA4900807-5	Tank rinse ball valve sub-assembly	1
5	GA4900807-2	Ball valve, Sub-assembly, Suit Crop Cruiser DCI	1
6	GA5077132	Cam lever, 3/4 female coupling x 3/4 female thread, Banjo, 75D	1
7	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	1

Continued over page

## Bulk DCI 600lt module

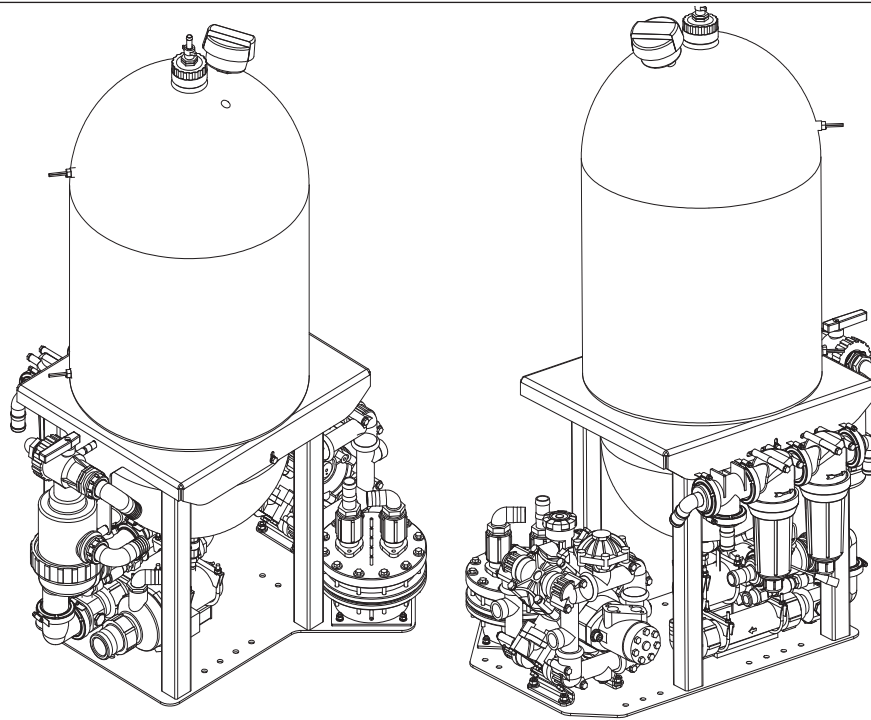
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
8	GA5068485	Flow meter, Flow serve SEM10 suit PH6 pump	1
9	GA4900807-7	Chem probe coupling ball valve sub-assembly	1
10	GA5068480	Pump, Diaphragm, 12V, Flowserve PH6, Pump only	1
11	GA5077641	Coupling, socket, 2" female thread, Banjo, CPLG200	1
12	GA5078021	Bush, Reducing, Poly, 2" Male Thread x 1" Female Thread, Banjo, RB200100	1
13	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	2
14	GA5077747	Hose barb, Straight, 1 female thread x 1 hose, Banjo, HBF100	2
15	GA5016749	Switch, Toggle, On / Off, Water proof	1
16	GA5012175	Cover, Toggle switch, Waterproof	1
17	GA5078137	Street elbow, 90 degree, 1 male x 1 female, Banjo, SL100-90	1
18	GA5004883	Washer 8mm Flat ZP Heavy Duty	4
19	GA5052590	Nut M8 Nyloc SS	4
20	F70127A	Bracket, Tank strap, 50mm	4
21	GA5000587	Washer 12mm Flat ZP Heavy Duty	8
22	GA5000355	Bolt M12 x 80 ZP GR8.8	2
23	GA5012461	Nut M12 Nyloc ZP	4
24	GA5011239	Bolt, M12 x 50, ZP GR 8.8	2
25	GA4900807-10	DCI High volume pump assembly	1
26	GA5004437	Washer 6mm Flat SS	8
27	GA5004053	BHCS M6 x 20 SS	4
28	GA5048115	Nut M6 Nyloc ZP	4
29	GA5001043	Washer 16mm Flat SS HD	24
30	GA5000931	Bolt M16 x 50 ZP GR8.8	12
31	GA5001029	Nut M16 Nyloc ZP	12

## Bulk DCI 600lt



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4901128	Tank, 600 Litre, 3PL (Bare)	1
2	GA5076714	Filter, Basket type, Diameter 305 x 245mm deep, Suit main spray tank, 300120	1
3	GA5076877	Lid, Black Plastic, Diameter 355, With breather, 3522040	1
4	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	6
5	GA5078087	Nipple, Reducing, Poly, 3/4" x 1/2" Male Thread, Banjo, RN075050	2
6	GA5018307	Valve, Ball, 12mm female thread inlet / outlet, SS, Butterfly handle	1
7	GA5077943	Plug, 1/2 male thread, Banjo, PLUG050	1
8	GA5077719	Hose barb, Elbow, 90 degree, 1 male thread x 3/4 hose, Banjo, HB100/075-90	1
9	GA5078156	Tank flange, 1/2" female threads, Banjo, TF050	1
10	GA5077336	Nozzle, Tank rinsing, 3/4 BSPT female inlet, Teejet, B55270-3/4-18	1
11	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo	1
12	GA5020615	Valve, Ball, 12mm male, female thread inlet, outlet, Butterfly handle, SS	1

## Batch Mate Module

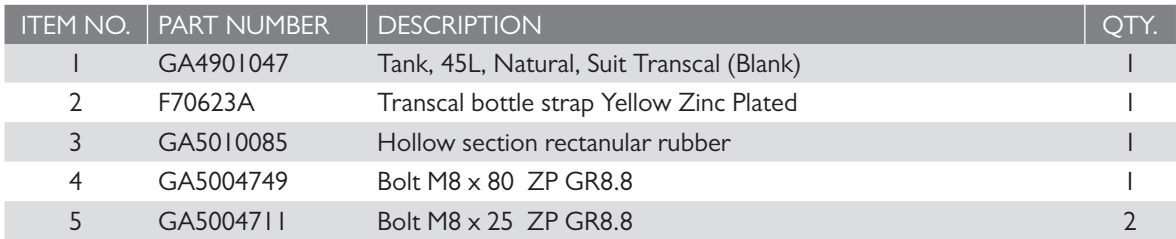


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4657465	DCI batch tank frame	1
2	RO160MI	Pump, Diaphragm type, RO 160, Hydraulic drive, Udor	1
3	GA5068480	Pump, Diaphragm, 12V, Flowserve PH6, Pump only	1
4	GA5010315	Valve, Pressure regulating, High pressure 1 1/4", Viton seals, Ramsay Nocton	1
5	GA5077284	Filter, 75 series flange inlet & outlet, 100 mesh, Teejet, AAB126ML-F75-100	1
6	GA5077285	Filter, 75 series flange inlet & outlet, 80 mesh, Teejet, AAB126ML-F75-80	1
7	GA5076782	Filter, Suction, 1 1/2 male inlet & outlet, 50 mesh screen, Arag, 3162063	1
8	GA5076985	Valve, Ball, 3 way, 1 1/2 female thread inlet / outlet, Arag, 4542236	1
9	2502060	Nipple, 1 1/2" male thread x 1 1/2" male thread, Arag	1
10	GA5076260	Hose barb, Elbow, 90 degree, 1 1/2 fly nut end x 40mm hose, 116640	2
11	GA5076604	Fly nut, 1 1/2," Arag	2
12	GA5078019	Bush, Reducing, Poly, 1 1/2 Male Thread x 1 1/4 Female Thread, Banjo, RB150125	1
13	GA5077730	Hose barb, Elbow, 90 degree, 1 1/4 male thread x 1 1/4 hose, Banjo, HBI25-90	4
14	GA5075831	Mixer, Flow Assembly suit DCI 1 1/4 NPT, Raven, 0630159632	1
15	GA4572025	Manifold, 2" flange x 1 1/4" male thread x 1/2" female thread	1
16	GA5077943	Plug, 1/2 male thread, Banjo, PLUG050	3
17	GA5075873	Flowmeter, RFM60P, Raven, 0630171793	1

Continued over page

## Batch Mate Module

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
18	GA5077831	Hose barb, Elbow, 90 degree, 2 flange x 1 1/4 hose, Banjo, M200125BRB90	2
19	GA5077843	Elbow, 90 degree, Short, 2" flange x 2" flange, Banjo, M200CPG90SH	2
20	GA5077854	2 Flanged Tee Fitting, M200TEE	1
21	GA5077890	Valve, Check, 2" Manifold, Flange, Banjo, MCV200	1
22	GA5077830	Hose barb, Flanged, Straight, 2 flange x 1 1/4 barb, Banjo, M200125BRB	2
23	GA5078133	Street elbow, 90 degree, 1/2 female thread x 1/2 male thread, Banjo, SL050-90	1
24	GA5048310	Nipple, 1/2" thread x 1/2" thread, Brass	2
25	GA5078087	Nipple, Reducing, Poly, 3/4" x 1/2" Male Thread, Banjo, RN075050	1
26	GA5077124	Cam lever, 3/4 male coupling x 3/4 female thread, Banjo, 75A	1
27	GA5051380	Valve, Check, 1/2" female thread inlet / outlet, SS, 200psi maximum	1
28	GA5076606	Cam lever, 2 male coupler x 2 female thread, Banjo, 200A	1
29	GA5077720	Hose barb, Elbow, 90 degree, 1 male thread x 1 1/4 hose, Banjo, HB100/125-90	1
30	GA5006689	Clamp Exhaust 2 5/8" (C12)	2
31	GA5077639	Coupling, socket, 1 1/4 female thread, Banjo, CPLG125	2
32	GA5077724	Hose barb, Straight, 1 1/4 male thread x 1 1/4 hose barb, Banjo, HB125	1
33	GA5018495	Tank 165 L, Natural, Direct Injection	1
34	GA4903050	Cap, Pre-assembled with rinse nozzle, Suit transcal and DCI	1
35	GA5005259	Air filter, 1" BSP male thread	1
36	GA5060465	Switch Liquid Level float sensor black	1
37	GA5004883	Washer 8mm Flat ZP Heavy Duty	222
38	GA5052590	Nut M8 Nyloc SS	12
39	GA5004437	Washer 6mm Flat SS	4
40	GA5048115	Nut M6 Nyloc ZP	4
41	GA5004919	Washer 8mm Spring SS	10
42	GA5011503	Bolt M8 x 140 ZP GR8.8	4
43	GA5004711	Bolt M8 x 25 ZP GR8.8	3
44	GA5004727	Bolt M8 x 50 ZP GR8.8	1
45	GA5048655	Bolt M8 x 40 ZP GR8.8	2
46	GA4552075	Crush tube, 10.2 ID x 15 OD x 15mm long	4
47	GA5018309	Valve, Ball, 12mm female thread inlet / outlet, Lever handle, SS	1
48	GA5077702	Hose barb, Straight, 1/2 male thread x 1/2 hose, Banjo, HB050	1
49	GA5009335	Seal, 41.5 ID x 55 OD x 6.5mm thick, EPDM, suit 1 1/2" flange	11
50	FC200	Clamp, Worm screw, Use with 2" standard flange port, Banjo	9
51	GA5000117	Washer 10mm Flat SS Heavy Duty	4
52	GA5000137	Washer 10mm Spring SS	4
53	GA5000141	Nut M10 Nyloc ZP	4

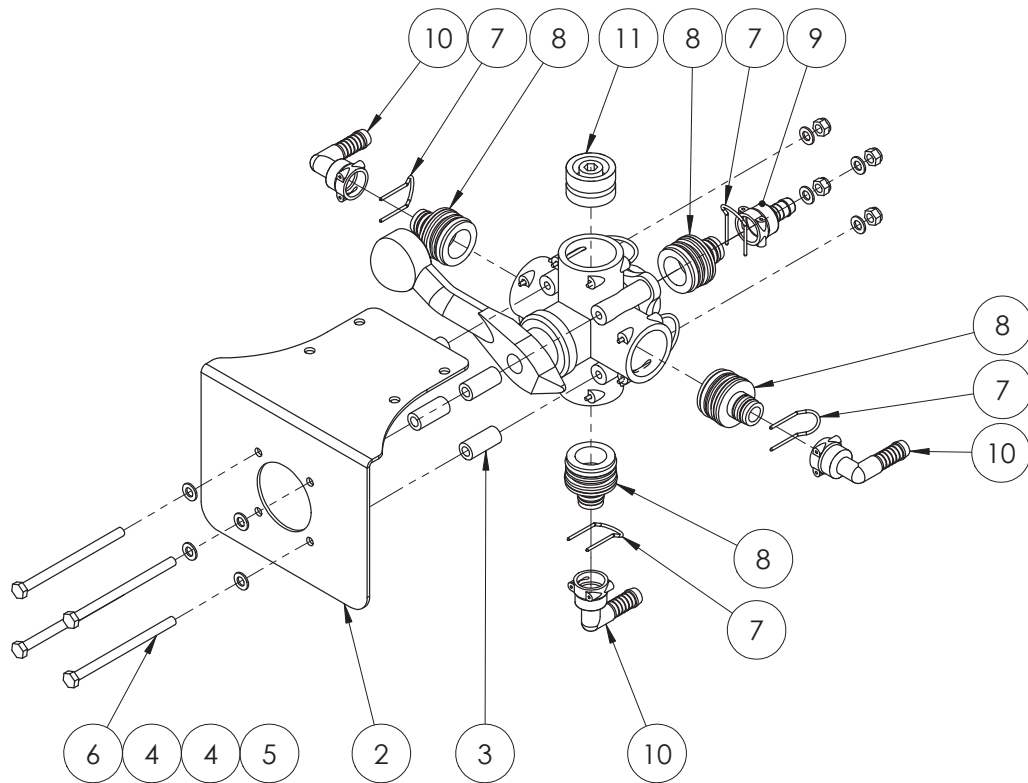


108 - Prairie Evolution MY13 Parts Manual - Rev 2.0

## Direct Draw DCI Reserve Tank

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
6	GA5004883	Washer 8mm Flat ZP Heavy Duty	2
7	GA5004917	Nut M8 Nyloc ZP	3
8	GA5009187	O-ring, 60 x 5.5mm, suits exacta tank cap	1
9	L055A	Cap / Lid, 80 OD, 1/2" BSPP female thread in top, Suit Transcal	1
10	GA5078177	Valve, Ball, 3 way, 1 female thread inlet / outlet, Bottom port, Butterfly handle, Banjo, VI00BL	1
11	GA3500391	Tee, Threaded, 1/2" male x 1/2" hose, T12T	2
12	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	3
13	GA5000587	Washer 12mm Flat ZP Heavy Duty	2
14	GA5011239	Bolt, M12 x 50, ZP GR 8.8	1
15	GA5012461	Nut M12 Nyloc ZP	1
16	GA5000117	Washer 10mm Flat SS Heavy Duty	2
17	GA5000137	Washer 10mm Spring SS	2
18	GA5006113	Bolt M10 x 20 ZP GR8.8	2
19	GA5020695	Hosetail (brass) 1/4" x 1/8" Male Thread	1
20	GA5060465	Switch Liquid Level float sensor black	2
21	GA5004883	Washer 8mm Flat ZP Heavy Duty	4
22	GA5077709	Hose barb, Straight, 3/4 male thread x 3/4 hose, Banjo, HB075	2
23	GA5077270	Filter, 3/4 female thread inlet/outlet, 200 mesh screen, Teejet, AAB126ML-3-200	1
24	GA5077400	Filter screen, 30 mesh, SS & polypropylene, Suits Teejet 3/4, 1 & 50 series flange filters. Dia 36mm x Length 147mm.	1
25	GA5078089	Nipple, Reducing, Poly, 1" x 3/4" Thread, Banjo, RN100075	1
26	GA5077709	Hose barb, Straight, 3/4 male thread x 3/4 hose, Banjo, HB075	1
27	GA5018309	Valve, Ball, 12mm female thread inlet / outlet, Lever handle, SS	1
28	GA5078013	Bush, Reducing, Poly, 1" Male Thread x 1/2" Female Thread, Banjo, RB100050	2
29	GA5077703	Hose barb, Elbow, 90 degree, 1/2" male thread x 3/8" hose, Banjo, HB050/038-90	1
30	GA5018307	Valve, Ball, 12mm female thread inlet / outlet, SS, Butterfly handle	1
31	GA5077710	Hose barb, Elbow, 90 degree, 3/4 male thread x 1/2 hose, Banjo, HB075/050-90	1
32	GA5001739	Washer 20mm Flat Heavy Duty SS	2
33	See next page	4 Way tap assembly, Suit DCI direct draw	1
34	GA4657461	Direct draw bottle holder	1

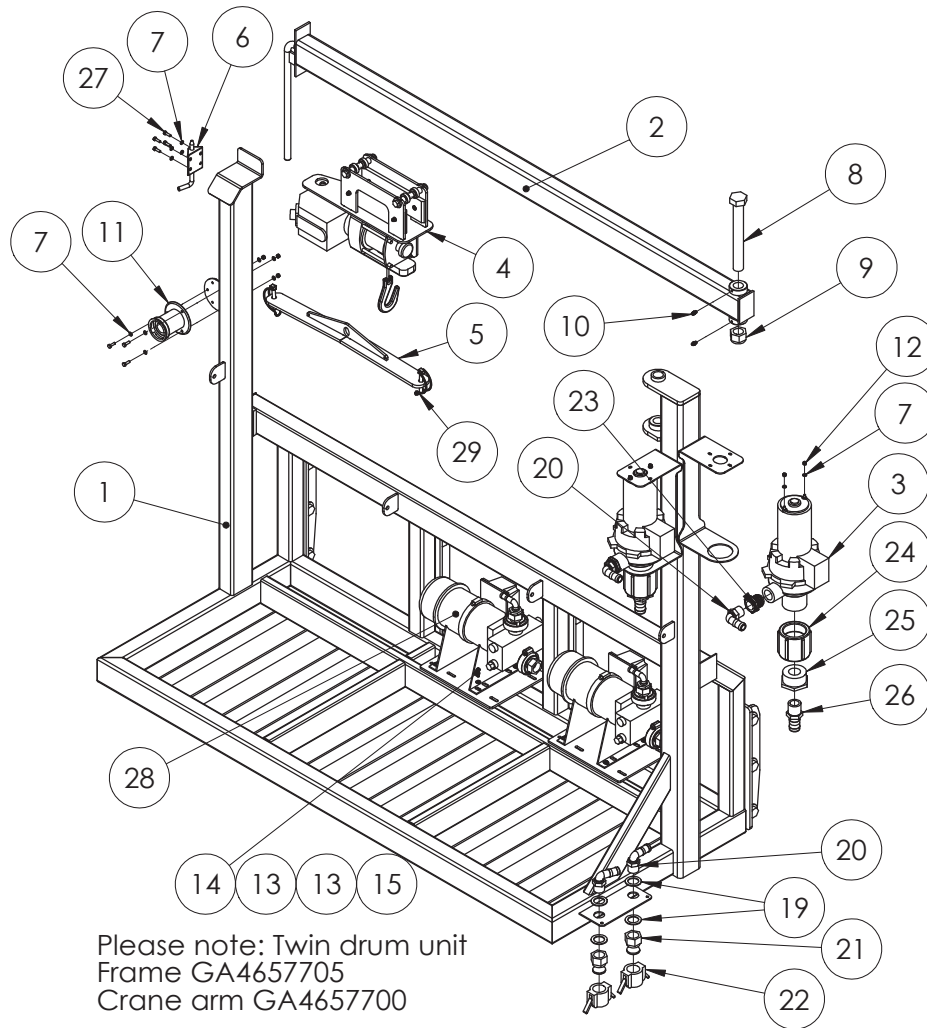
## 4 way tap assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065530	Valve,Ball, 5 x AS40 female inlet / outlets, Lever handle, Altek	1
2	GA4657715	Direct draw 4 way tap mount	1
3	GA4552135	Spacer for Altek rotary valve	5
4	GA5004883	Washer 8mm Flat ZP Heavy Duty	8
5	GA5004917	Nut M8 Nyloc ZP	4
6	GA5011501	Bolt M8 x 120 ZP GR8.8	4
7	GA5065695	Safety pin AS24	4
8	GA5065605	Plug in adapter, AS40 x AS24, Altek	4
9	GA5065745	Hose barb, Straight, AS24 female x 15mm hose, Altek	1
10	GA5065750	Hose barb, Elbow, 90 degree, AS24 female x 15mm hose, Altek	3
11	GA5065680	Plug, AS40 male, Altek	1
	GA5065531	Handle, Red plastic, Suit 5 way ball valve, Altek	1



## DCI Direct Draw Assembly



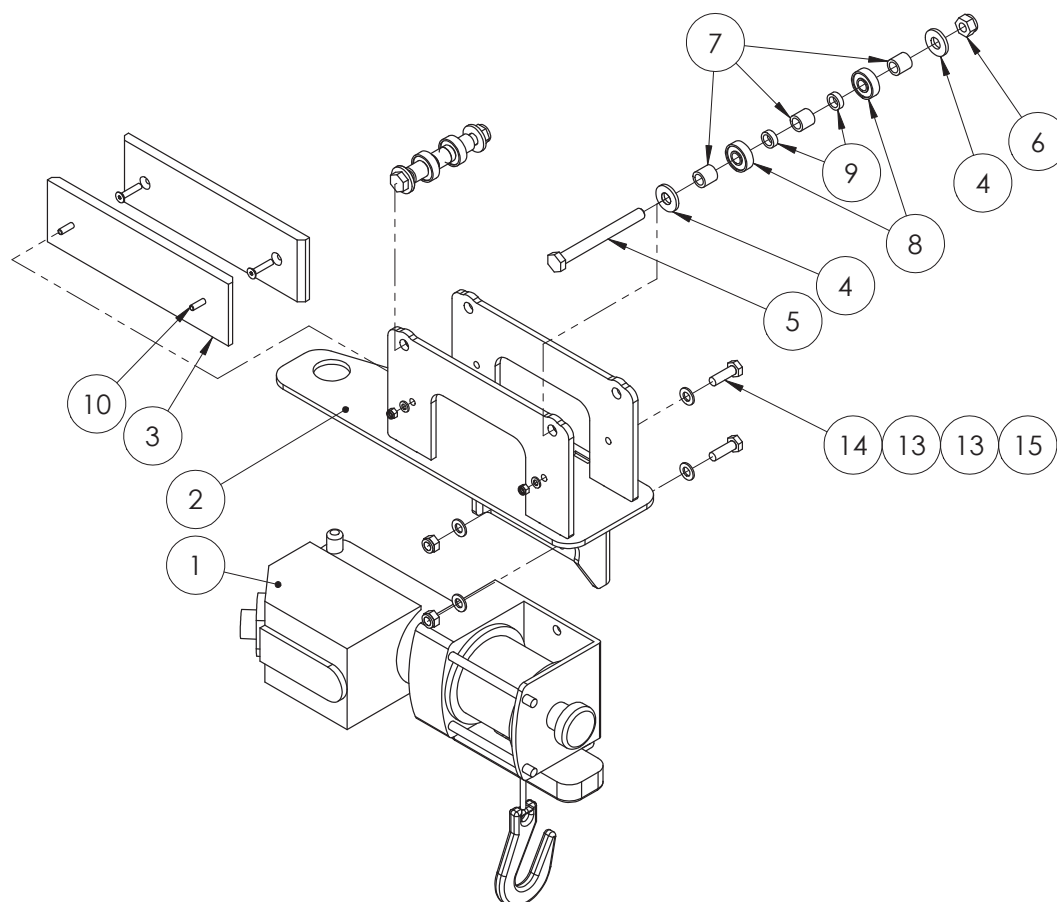
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4657706	Envirodrum DCI frame suit 3 drum unit	1
2	GA4657701	Envirodrum DCI boom arm suit 3 drum unit	1
3	GA5068480	Pump, Diaphragm, 12V, Flowserve PH6, Pump only	2
4	See page 110	Winch Mount Assembly	1
5	GA4657707	Enviro DCI crane attachment	1
6	GA5010813	Latch spring Bolts ZP small	1
7	GA5003983	Washer 5mm Flat SS	14
8	GA5006151	Bolt 1" UNF x 8" x 12 TPI ZP GR8	1
9	GA5012445	Nut 1" UNF 14 tpi Nyloc ZP	1
10	GA5012203	Grease nipple, Short, 1/4" UNF	2
11	GA5018800	Rinsing socket, 3 pin, Micromatic / Enviro drum coupling	1
12	GA5003975	Nut M5 Nyloc SS	7
13	GA5004437	Washer 6mm Flat SS	16
14	GA5004053	BHCS M6 x 20 SS	8

Continued over page

## DCI Direct Draw Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
15	GA5048115	Nut M6 Nyloc ZP	8
16	GA5001043	Washer 16mm Flat SS HD	24
17	GA5000931	Bolt M16 x 50 ZP GR8.8	12
18	GA5001029	Nut M16 Nyloc ZP	12
19	GA4522315	Washer, 27 ID x 40 OD x 2mm thick, SS	4
20	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	4
21	GA5077124	Cam lever, 3/4 male coupling x 3/4 female thread, Banjo, 75A	2
22	GA5077351	Cap, Poly pipe, 3/4, Banjo	2
23	GA5078014	Bush, Reducing, Poly, 1" Male Thread x 3/4" Female Thread, Banjo, RB100075	2
24	GA5077641	Coupling, socket, 2" female thread, Banjo, CPLG200	2
25	GA5078021	Bush, Reducing, Poly, 2" Male Thread x 1" Female Thread, Banjo, RB200100	2
26	GA5077718	Hose barb, Straight, 1" male thread x 1" hose, Banjo	2
27	GA5003577	Bolt M5 x 16 ZP GR8.8	7
28		Direct Injection pump Sub-assembly	2
29	GA5010903	Linch pin, 3/8" OD pin, R40 half round clip	2

## Winch Mount Assembly

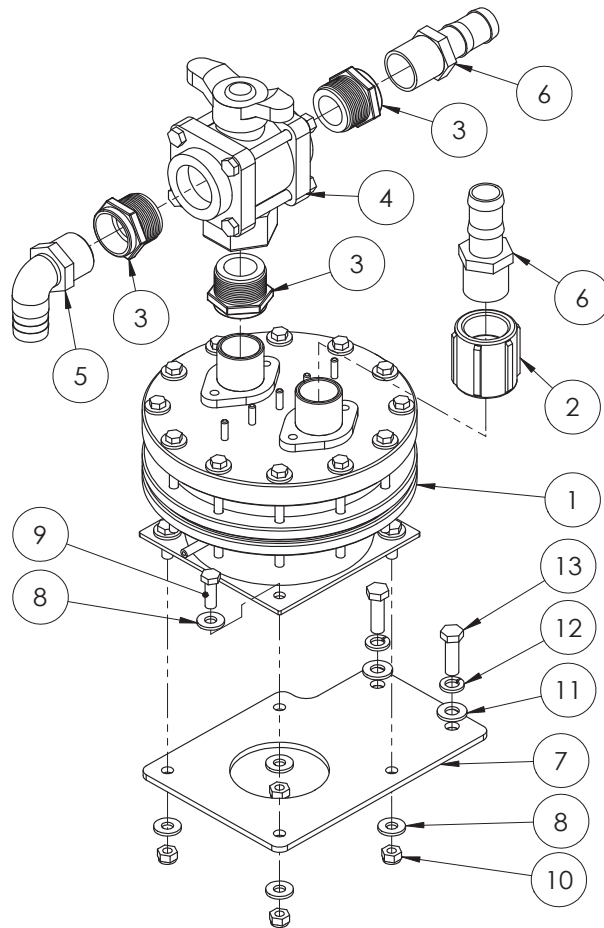


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5053255	Warn Works Winch 770Kgs 12V Remote switch 3.7 m lead	1
2	GA4657711	Enviro DCI Winch Crane mounting frame suit warn	1
3	GA5075145 (ref)	Wear pad suit enviro crane mount	2
4	GA5000117	Washer 10mm Flat SS Heavy Duty	4
5	GA5011139	Bolt M10 x 100 ZP GR4.6	2
6	GA5000141	Nut M10 Nyloc ZP	2
7	GA4552075	Crush tube, 10.2 ID x 15 OD x 15mm long	6
8	GA5005631	Ball bearing 10mm x 26mm x 8mm with seals	4
9	GA4552080	Crush tube, 10.2 ID x 15 OD x 5mm long	4
10	GA5050115	CSCS M5 x 25 SS	4
11	GA5003983	Washer 5mm Flat SS	4
12	GA5003975	Nut M5 Nyloc SS	4
13	GA5004883	Washer 8mm Flat ZP Heavy Duty	4
14	GA5004711	Bolt M8 x 25 ZP GR8.8	2
15	GA5052590	Nut M8 Nyloc SS	2

# Chapter 7

## DUAL PRODUCT

### Ramsay Valve Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5010315	Valve, Pressure regulating, High pressure 1 1/4", Viton seals, Ramsay Nocton	1
2	GA5077639	Coupling, socket, 1 1/4 female thread, Banjo, CPLG125	1
3	GA5078019	Bush, Reducing, Poly, 1 1/2 Male Thread x 1 1/4 Female Thread, Banjo, RB150125	3
4	GA5078186	Valve, Ball, 3 Way, Bottom Load, 1 1/2" NPT Female, VI50BL	1
5	GA5077730	Hose barb, Elbow, 90 degree, 1 1/4 male thread x 1 1/4 hose, Banjo, HB125-90	1
6	GA5077724	Hose barb, Straight, 1 1/4 male thread x 1 1/4 hose barb, Banjo, HB125	2
7	GA4522105	Ramsay valve chassis mount plate	1
8	GA5000117	Washer 10mm Flat SS Heavy Duty	8
9	GA5065455	Bolt M10 x 30 ZP GR8.8	4

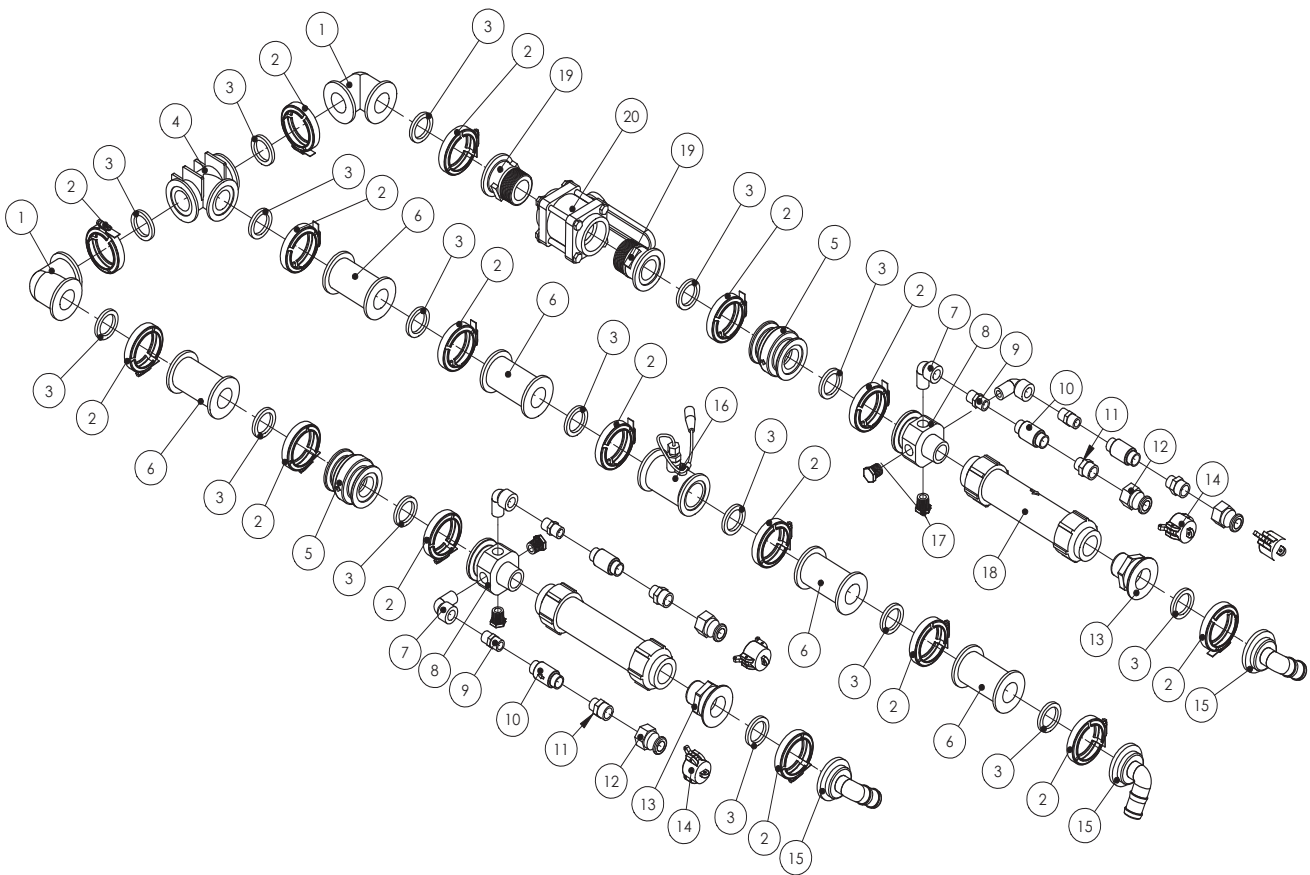
Continued over page

## Ramsay Valve Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
10	GA5000141	Nut M10 Nyloc ZP	4
11	GA5000587	Washer 12mm Flat ZP Heavy Duty	2
12	GA5000575	Washer 12mm Spring SS	2
13	GA5066895	Bolt M12 x 40 ZP GR8.8	2

RAMSAY VALVE SPARE PARTS	
PART No.	DESCRIPTION
GA5061045	Replacement Diaphragm Kit

## Dual Product and DCI Mixer



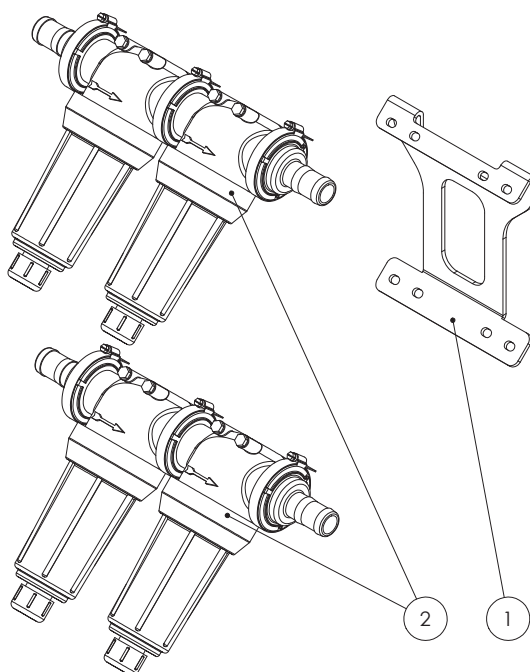
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077843	Elbow, 90 degree, Short, 2" flange x 2" flange, Banjo, M200CPG90SH	2
2	FC200	Clamp, Worm screw, Use with 2" standard flange port, Banjo	16
3	GA5009335	Seal, 41.5 ID x 55 OD x 6.5mm thick, EPDM, suit 1 1/2" flange	16
4	GA5077854	2 Flanged Tee Fitting, M200TEE	1
5	GA5077890	Valve, Check, 2" Manifold, Flange, Banjo, MCV200	2
6	GA5077840	Plumbing coupling, Straight, 2 flange x 2 flange x 4 1/2 long, Banjo, M200CPG	5
7	GA5078133	Street elbow, 90 degree, 1/2 female thread x 1/2 male thread, Banjo, SL050-90	4

Continued over page

## Dual Product and DCI Mixer

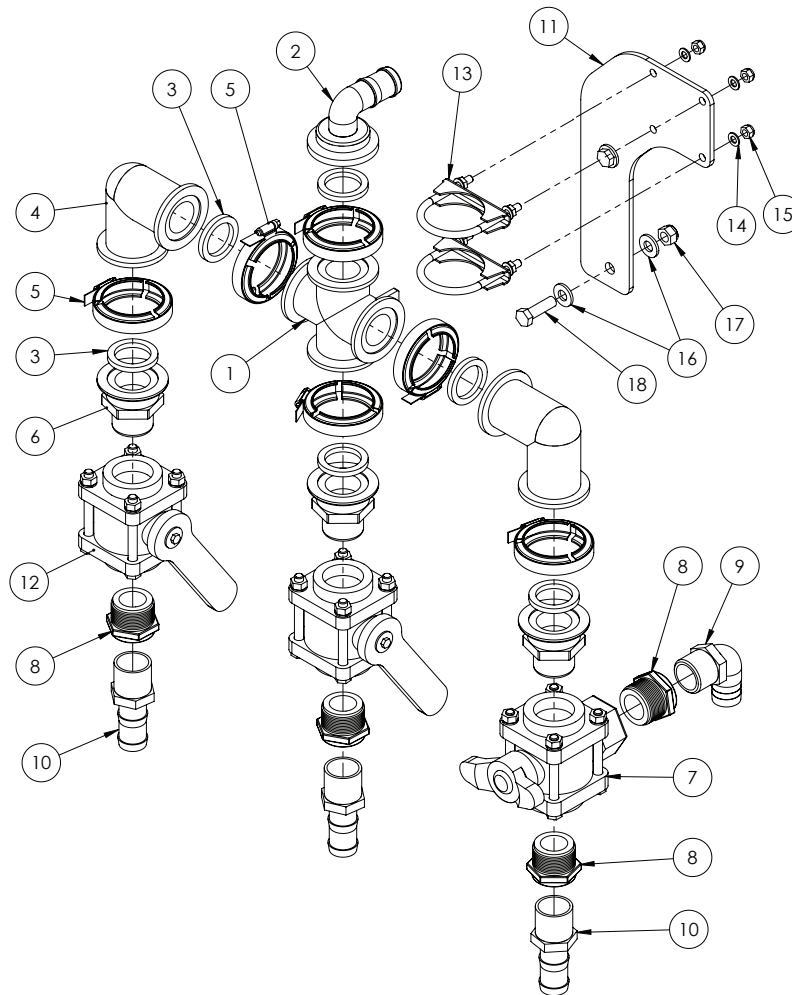
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
8	GA4572025	Manifold, 2" flange x 1 1/4" male thread x 1/2" female thread	2
9	GA5048310	Nipple, 1/2" thread x 1/2" thread, Brass	4
10	GA5051380	Valve, Check, 1/2" female thread inlet / outlet, SS, 200psi maximum	4
11	GA5078087	Nipple, Reducing, Poly, 3/4" x 1/2" Male Thread, Banjo, RN075050	4
12	GA5077124	Cam lever, 3/4 male coupling x 3/4 female thread, Banjo, 75A	4
13	GA5077832	Plumbing adaptor, 2 flange x 1 1/4 male thread, Banjo, M200125MPT	2
14	GA5077131	Cam lever, Female cap, 3/4, Banjo, 75CAP	4
15	GA5077831	Hose barb, Elbow, 90 degree, 2 flange x 1 1/4 hose, Banjo, M200125BRB90	3
16	GA5075873	GA5075873	1
17	GA5077943	Plug, 1/2 male thread, Banjo, PLUG050	4
18	GA5075831	Mixer, Flow Assembly suit DCI 1 1/4 NPT, Raven, 0630159632	2
19	GA5077839	Connector, Manifold, 2", Male, M200BSP	2
20	GA5078188	Valve, Bolted, 2 female thread inlet / outlet, Lever handle, Banjo, V200	1

## Dual Pressure Filters



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4657155	Dual pressure filter mount suit EF	1
2	GA4903065-EF	Pre-assembled pressure filter suit EF models	2

## Dual Product Manifold

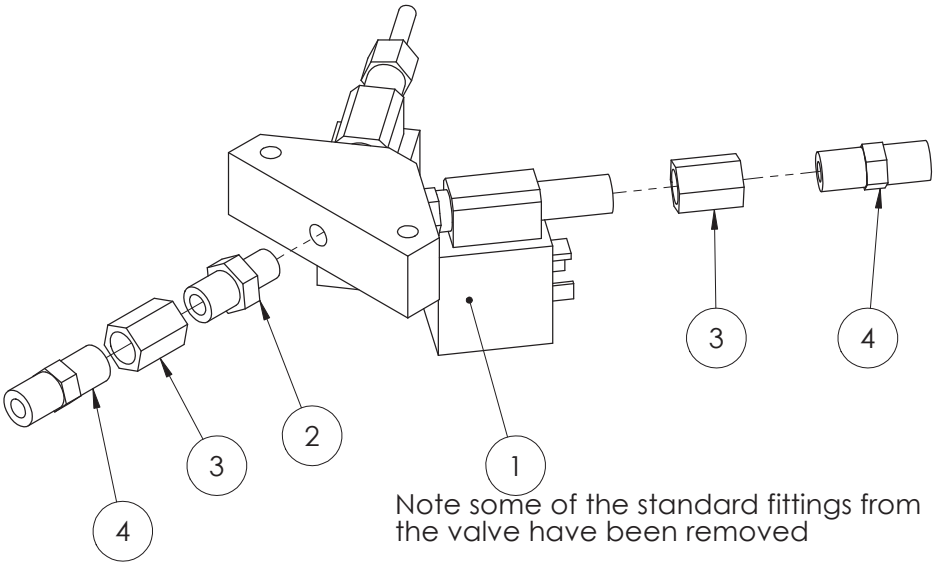


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077844	2 Flanged Cross, m200cr	1
2	GA5077831	Hose barb, Elbow, 90 degree, 2 flange x 1 1/4 hose, Banjo, M200125BRB90	1
3	GA5009335	Seal, 41.5 ID x 55 OD x 6.5mm thick, EPDM, suit 1 1/2" flange	6
4	GA5077842	Elbow, 90 degree, 2 flange x 2 flange, Banjo, M200CPG90	2
5	FC200	Clamp, Worm screw, Use with 2" standard flange port, Banjo	6
6	GA5077835	Plumbing coupling, 2 flange x 1 1/2 male thread, Banjo, M200150MPT	3
7	GA5078186	Valve, Ball, 3 Way, Bottom Load, 1 1/2" NPT Female, VI50BL	1
8	GA5078019	Reducing bush, 1 1/2" male thread x 1 1/4" female thread, Banjo	4
9	GA5077730	Hose barb, Elbow, 90 degree, 1 1/4 male thread x 1 1/4 hose, Banjo, HB125-90	1
10	GA5077724	Hose barb, Straight, 1 1/4 male thread x 1 1/4 hose barb, Banjo, HB125	3
11	GA4514310	Dual product valve mount , suit H-frame	1
12	GA5078185	Valve, Ball, 1 1/2" female threaded inlet / outlet, Full port, Lever handle, Banjo, VI50	2
13	GA5006689	Clamp Exhaust 2 5/8" (C12)	2

Continued over page

# Twin Solenoid Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
14	GA5004883	Washer 8mm Flat ZP Heavy Duty	4
15	GA5052590	Nut M8 Nyloc SS	4
16	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
17	GA5012461	Nut M12 Nyloc ZP	2
18	GA5066895	Bolt M12 x 40 ZP GR8.8	2



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5061055	Ramsay twin solenoid valve assembly	1
2	GA5013809	Reducing Nipple 1/4" x 1/8"	1
3	GA5066940	Socket, 1/4" female thread, Hex, Brass	2
4	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male, S27-0404	2

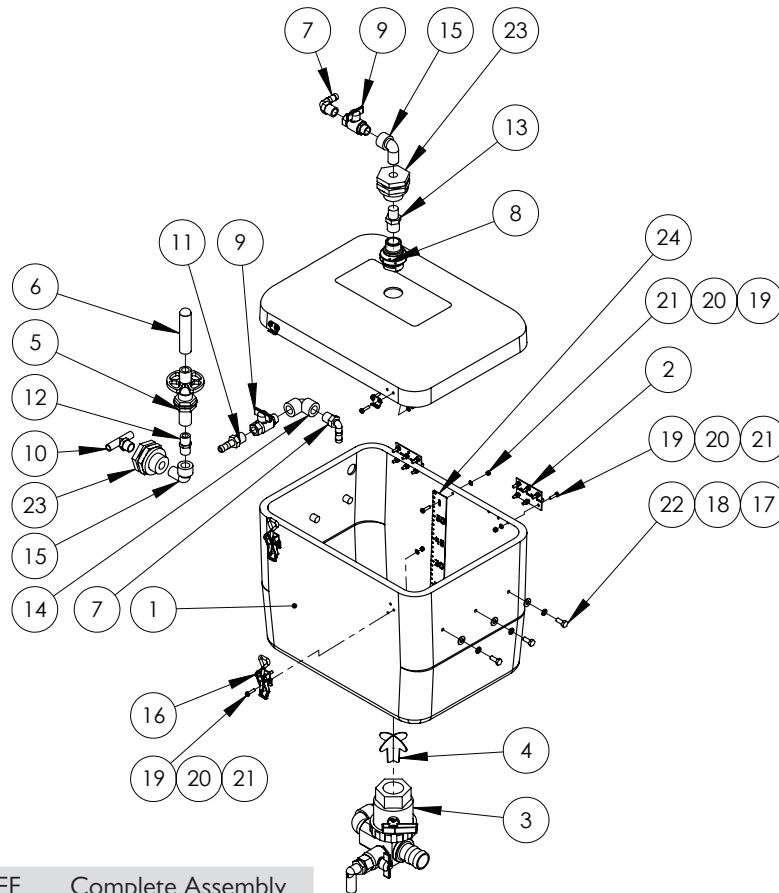




# Chapter 8

## INDUCTION HOPPER

### Hopper Tank



GA4900381-60-EF Complete Assembly

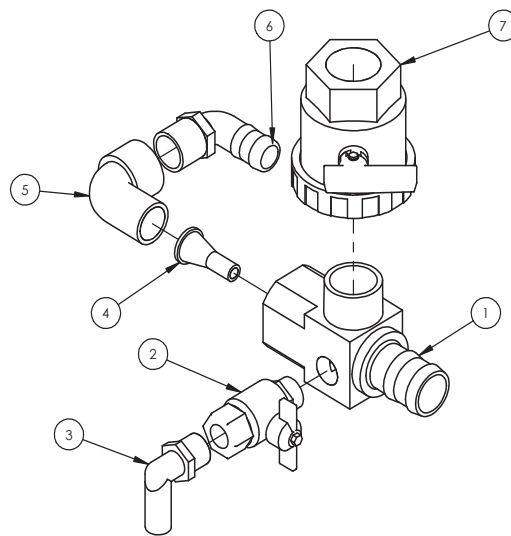
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070040	Tank, Induction Hopper, 60L with 1 1/2" BSPT thread, Tank & lid	1
2	GA5006661	Hinge, Butt, 70 long x 50 wide x 1.5mm, SS	2
3	GA4903105	Valve assembly, Induction hopper bottom, Suit 40, 60, 70L hopper	1
4	GA4657115	Anti vortex cross, Suit induction hopper bottom	1
5	GA5077062	Valve, Drum & container rinsing nozzle, ARAG, 510101	1
6	GA5077063	Nozzle, Drum & container rotating rinsing jet, ARAG, 510111	1
7	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	2
8	GA5077336	Nozzle, Tank rinsing, 3/4 BSPT female inlet, Teejet, B55270-3/4-18	1
9	GA5020615	Valve, Ball, 12mm male, female thread inlet, outlet, Butterfly handle, SS	2
10	T12T	Tee, Threaded, 1/2" male x 1/2" hose	1
11	HB050	Hose barb, Straight, 1/2" male thread x 1/2" hose, Banjo	1
12	NIP050-SH	Nipple, Short, 1/2" male thread x 1/2" male thread, Banjo	1

Continued over page

## Hopper Tank

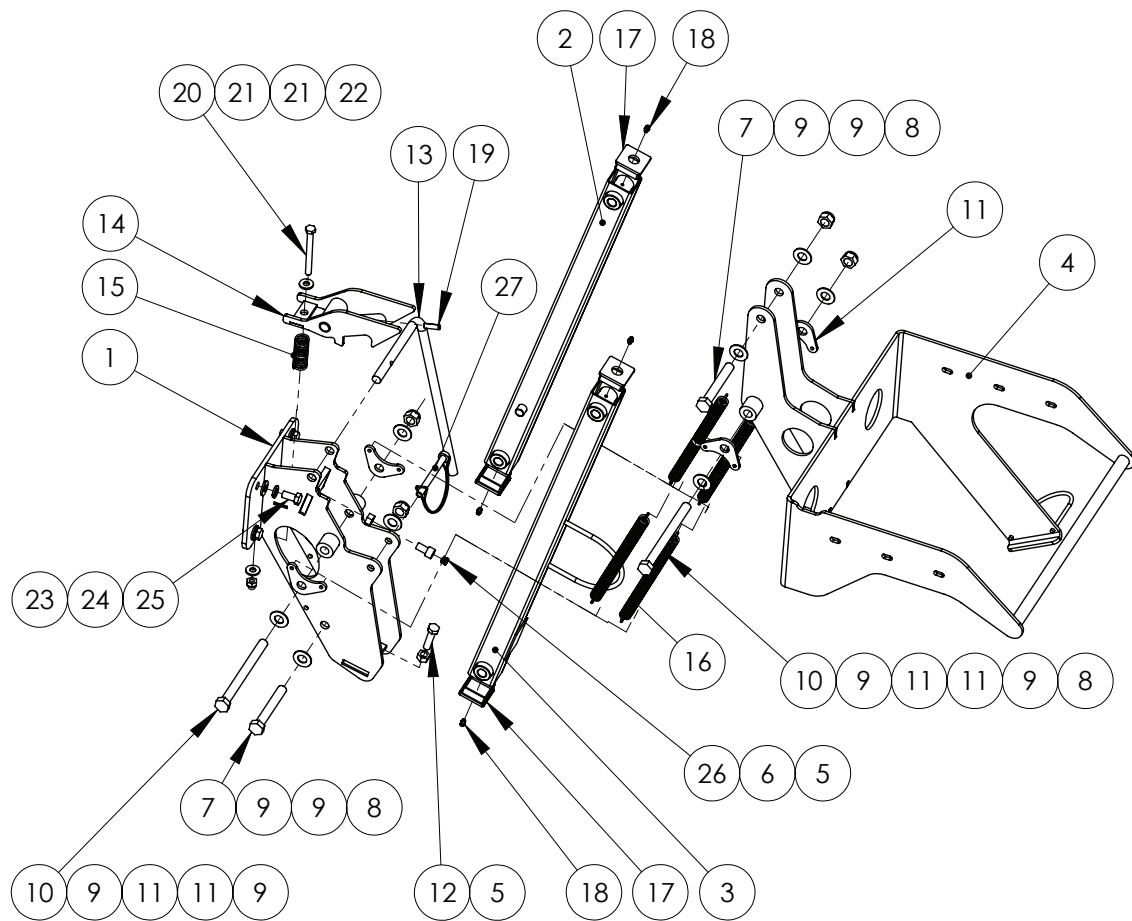
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	GA5078087	Nipple, Reducing, Poly, 3/4" x 1/2" Male Thread, Banjo, RN075050	1
14	GA5077652	Street elbow, 90 degree, 1/2" female thread, Banjo, EL050-90	1
15	GA5078133	Street elbow, 90 degree, 1/2 female thread x 1/2 male thread, Banjo, SL050-90	2
16	GA5007071	Latch, Adjustable, Induction Hopper Lid	2
17	GA5004883	Washer 8mm Flat ZP Heavy Duty	6
18	GA5004919	Washer 8mm Spring SS	6
19	GA5003976	Bolt M5 x 20 Pan Head SS	23
20	GA5003983	Washer 5mm Flat SS	23
21	GA5003975	Nut M5 Nyloc SS	23
22	GA5004085	Bolt M8 x 20 ZP GR8.8	6
23	GA5078156	Tank flange, 1/2" female threads, Banjo, TF050	2
24	GA4522296	Level indicator, 60L induction hopper	1
25	GA5016473	Tape PM foam 6.4 x 18mm L/Density (cut 2000mm)	1

## Hopper Tank - Bottom



GA4903105 Hopper Bottom			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	L056A	Induction hopper bottom, 1 1/2" hose barb x 1 1/2" BSPT male x 1" BSPT female x 3/4" BSPT female.	1
2	GA5018315	Valve, Ball, 20mm male & female thread, Black Butterfly handle	1
3	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	1
4	L057A	Venturi, 9mm outlet, Suit induction hopper	1
5	GA5078137	Street elbow, 90 degree, 1 male x 1 female, Banjo, SL100-90	1
6	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	1
7	GA5078167	Valve, Ball, 1 1/2 female thread inlet / outlet, Full port, Lever handle, Banjo, UV150FP	1

# Hopper Frame



GA4903049-65-EF Hopper Frame 60L

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4653420	Induction Hopper chassis Mount ADV	1
2	GA4653440	Induction Hopper arm Upper ADV	1
3	GA4653445	Induction Hopper arm Lower ADV	1
4	GA4656855	Induction Hopper tank support 60L suit EF range	1
5	GA5000559	Nut M12 Hex ZP	2
6	GA5050321	SHCS M12 x 40 ZP GR12.9	1
7	GA5000855	Bolt M16 x 110 ZP GR8.8	2
8	GA5001029	Nut M16 Nyloc ZP	4
9	GA5001009	Washer 16mm Flat ZP Heavy Duty	8
10	GA5000879	Bolt M16 x 180 ZP GR8.8	2
11	GA4522294	Mounting plate, Double induction hopper spring	4
12	GA5000319	Set Screw M12 x 40 ZP GR8.8	1
13	GA4699435	Handle, Induction Hopper Latch arm	1
14	GA4653490	Induction Hopper latch ADV	1
15	GA5007329	Spring compression, 76.2mm x 25.4 x 3.15mm, gold	1
16	GA5007073	Spring, Tension, 38.2 OD x 284.3 long x 3.55mm	4

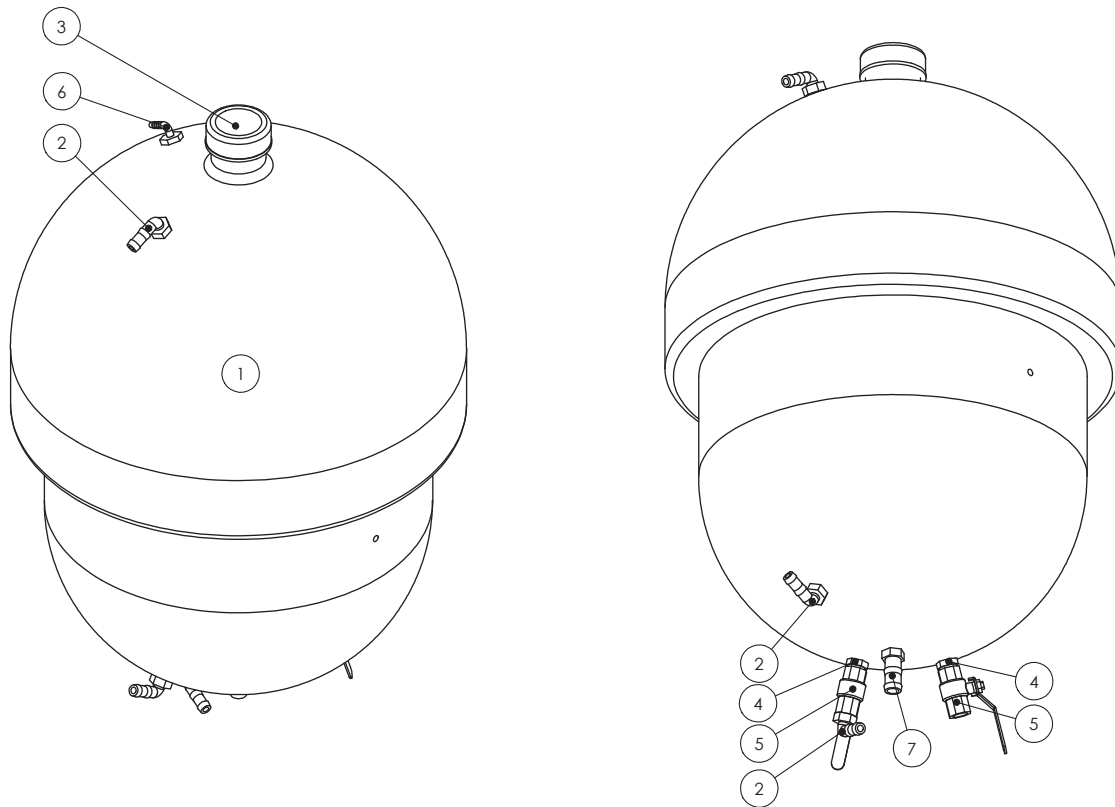
Continued over page

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
17	GA5003783	End cap, Insert, Black, Plastic, 50 x 50 mm	4
18	GA5012203	Grease nipple, Short, 1/4" UNF	4
19	GA5075130	Roll pin 8mm x 30mm coated	1
20	GA5011139	Bolt M10 x 100 ZP GR4.6	1
21	GA5000117	Washer 10mm Flat SS Heavy Duty	2
22	GA5000141	Nut M10 Nyloc ZP	1
23	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
24	GA5000575	Washer 12mm Spring SS	4
25	GA5000295	Set Screw M12 x 25 ZP GR8.8	4
26	GA5052905	Insert, suit 12mm Hole, Black, plastic	1
27	GA5048380	Pin, 11mm OD shaft, Spring Steel wire loop lock, Yellow zinc	1

## Chapter 9

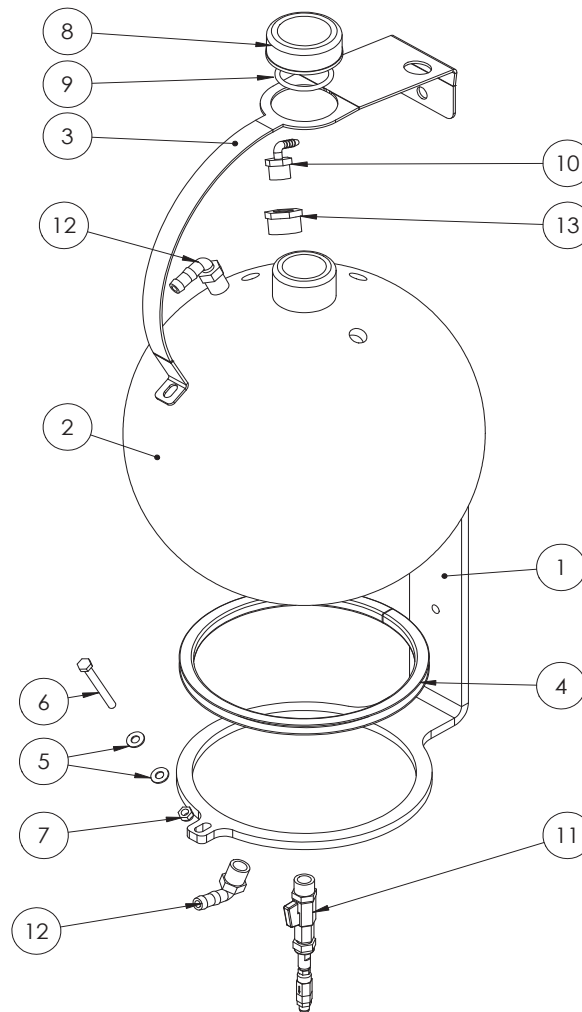
# FOAM MARKER TANK

## 100 Litre Foam Marker Tank



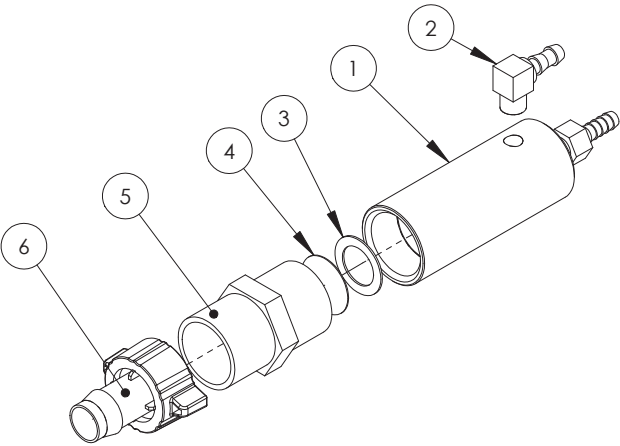
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018487	Tank, 100L, Exacta foam marker, Purchased	1
2	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	3
3	GA5009157	Cap, Suit Exacta foam tank, O-ring not included	1
4	GA5048310	Nipple, 1/2" thread x 1/2" thread, Brass	2
5	GA5018309	Valve, Ball, 12mm female thread inlet/outlet, Lever handle, SS	2
6	GA5077656	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/4" hose, EL1214	1
7	GA5077707	Hose barb, 1/2 male thread x 3/4 hose, Banjo, HB050-075	1
	GA5009187	O-ring, 60 x 5.5mm, suits Exacta tank cap	1

## Foam Concentrate Bottle



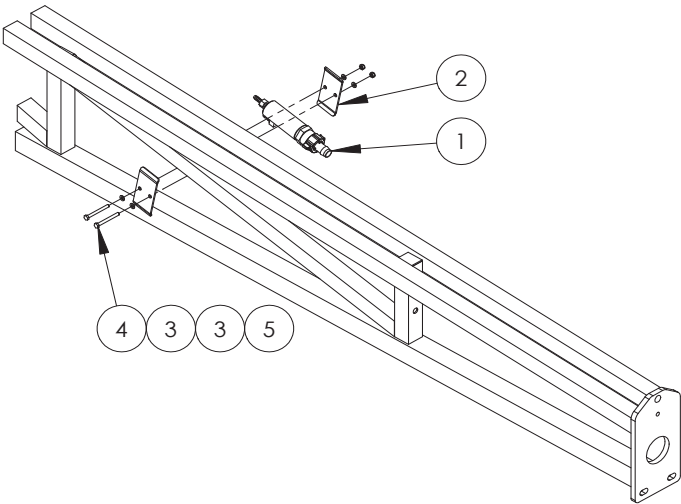
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70609A	Direct injection bottle mount plate 10mm FMS	1
2	GA4901038	Tank 25 litre round ball suit foam	1
3	F70622A	Direct inject bottle strap	1
4	GA5010085	Hollow section rectangular rubber	1
5	GA5004883	Washer 8mm Flat ZP Heavy Duty	2
6	GA5004749	Bolt M8 x 80 ZP GR8.8	1
7	GA5004917	Nut M8 Nyloc ZP	1
8	GA5009157	Cap, Suit Exacta foam tank, O-ring not included	1
9	GA5009187	O-ring, 60 x 5.5mm, suits Exacta tank cap	1
10	GA5077656	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/4" hose, ELI214	1
11	GA4903077	Pre-assembly filter and ball valve for direct foam injection	1
12	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	2
13	GA5078013	Bush, Reducing, Poly, 1" Male Thread x 1/2" Female Thread, Banjo, RB100050	1

# Foam Generator



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FGEN	Foam Generator nozzle sub assembly (3 parts nozzle & body & lock nut)	1
2	GA5066950	Barb elbow brass 1/4" x 1/8"	1
3	GA5002497	Washer, Flat, 3/4" x 1 1/8", Copper	1
4	GA4948390	Filter screen, circle, Suit foam generator, SS 316, 200 mesh	1
5	GA5077914	Nipple, Short, 1 male thread x 1 male thread, Banjo, NIP100-SH	1
6	GA5007621	Hose barb, Straight, 1" BSP female thread with grip tabs x 19mm hose tail	1

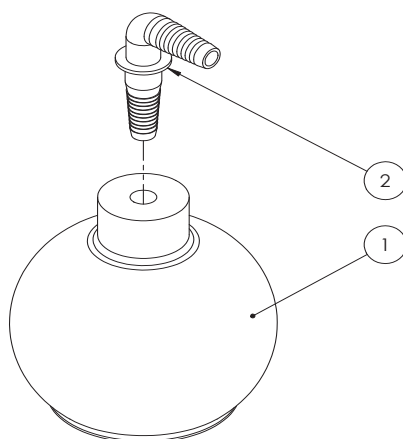
# Foam Generator Mounting



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FGEN-COM	Foam marker, Foam generator assembly	1
2	F70239A	Bracket, Foam generator clamp	2
3	GA5004437	Washer 6mm Flat SS	4
4	GA5004097	Bolt M6 x 60 ZP GR8.8	2
5	GA5048115	Nut M6 Nyloc ZP	2

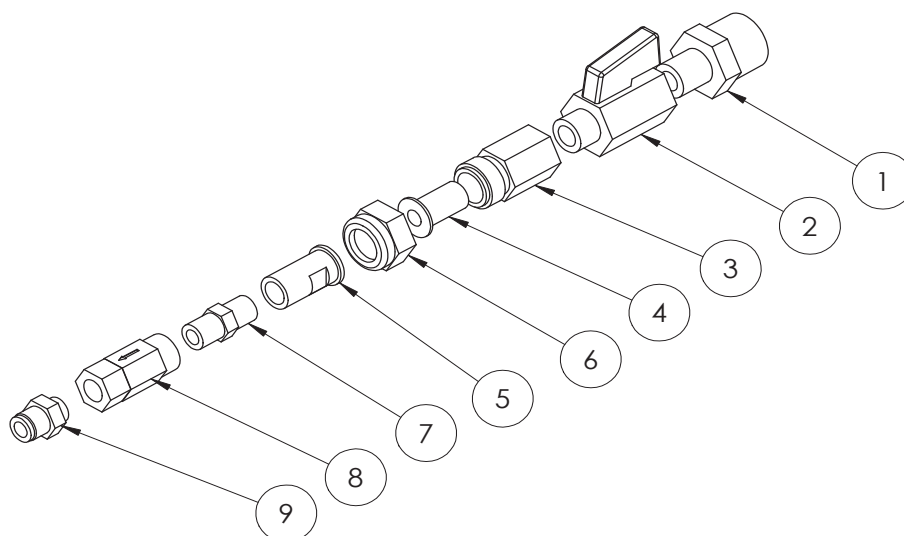


## Foam Accumulator Assembly



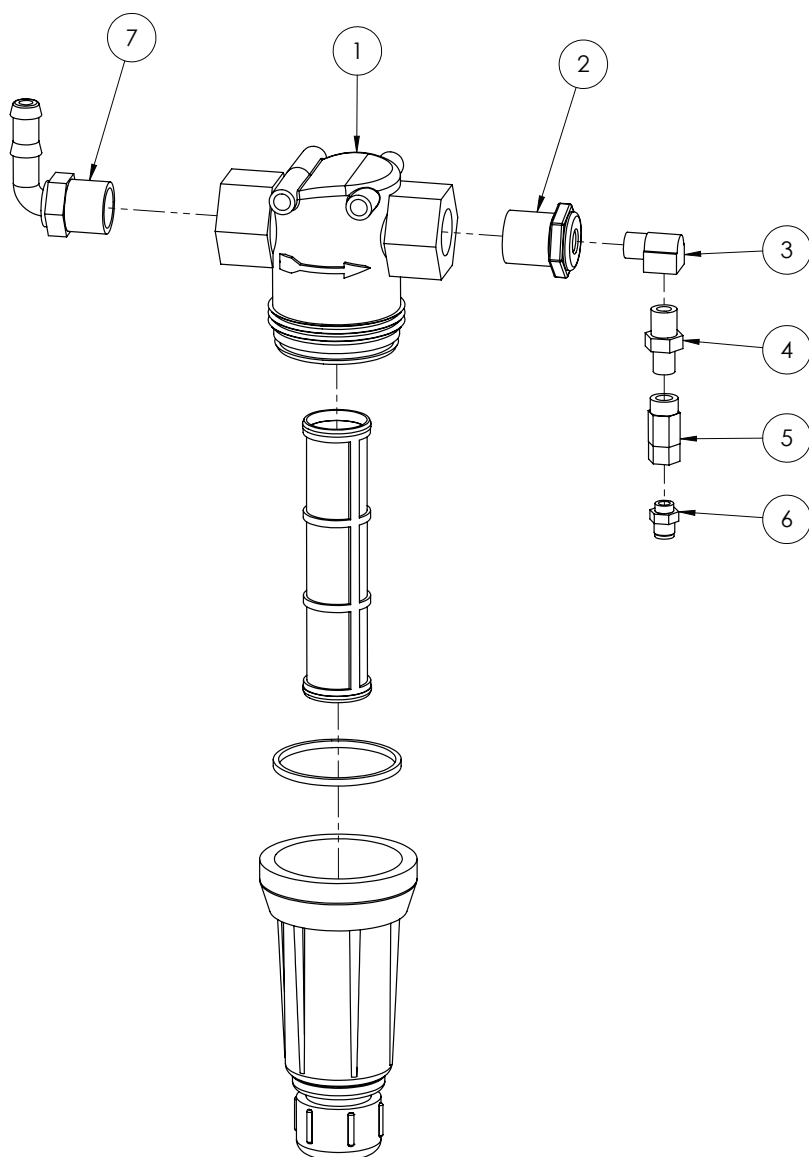
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5008491	Accumulator, Foam marker, Exacta, Green	1
2	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	1

## Filter and Ball Valve



GA4903077 Complete Assembly			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5012259	Reducing nipple, 1/2" male thread x 1/4" male thread, Brass	1
2	GA5018323	Valve, Ball, 1/4" male / female thread inlet / outlet, SS, Lever handle	1
3	GA5077369	Nozzle body, Single, 1/4 male NPT inlet, Brass, Teejet	1
4	GA5077157	Filter, Nozzle Tip, 200 Mesh, Polypropylene, SS, Teejet, 8079-PP-200	1
5	GA5077543	ADAPTER, BRASS, 4908, CP4928	1
6	GA5077372	Nozzle cap, Brass, CPI325, Teejet	1
7	GA5066935	Nipple brass 1/8" x 1/8"	1
8	GA5018147	Check valve inline 1/8" NPT Female	1
9	GA5050210	Pneumatic fitting, Nipple, 1/8 BSPP male x 6mm push type	1

# Foam Marker Filter



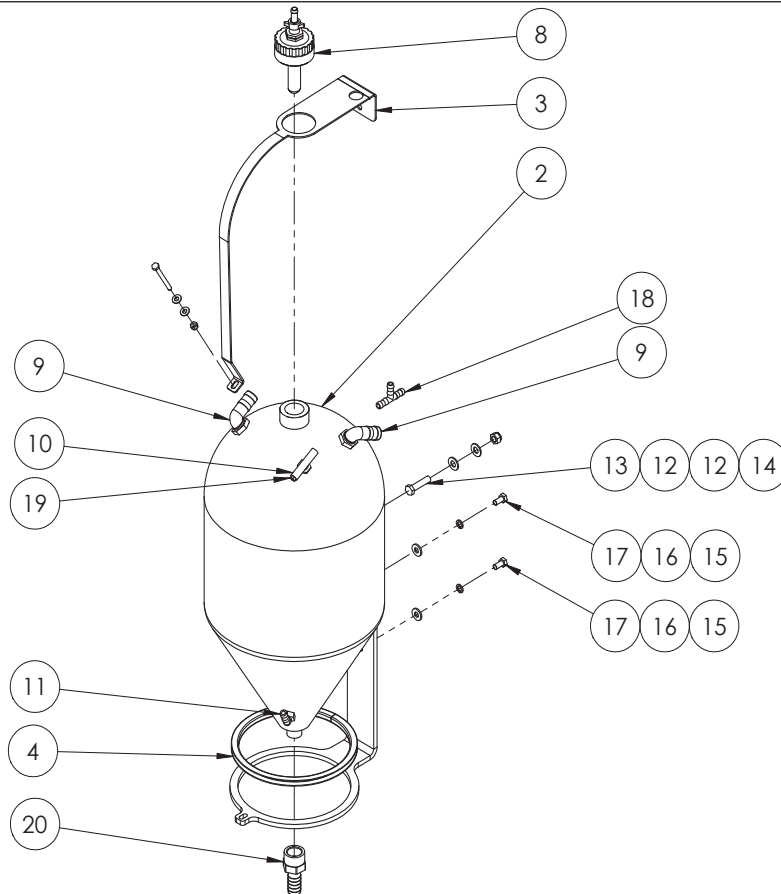
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077270	Filter, 3/4 female thread inlet/outlet, 200 mesh screen, Teejet, AAB126ML-3-200	1
2	GA5078008	Bush, Reducing, Poly, 3/4" Male Thread x 1/4" Female Thread, Banjo, RB075025	1
3	GA5048305	Elbow, 90 degree, 1/4" BSP male x 1/4" BSP female, Brass	1
4	GA5013809	Reducing Nipple 1/4" x 1/8"	1
5	GA5018147	Check valve inline 1/8" NPT Female	1
6	GA5050210	Pneumatic fitting, Nipple, 1/8" BSPP male x 6mm push type	1
7	GA5077710	Hose barb, Elbow, 90 degree, 3/4 male thread x 1/2 hose, Banjo, HB075/050-90	1



# Chapter 10

## TRANSCAL

### Transcal Bottle



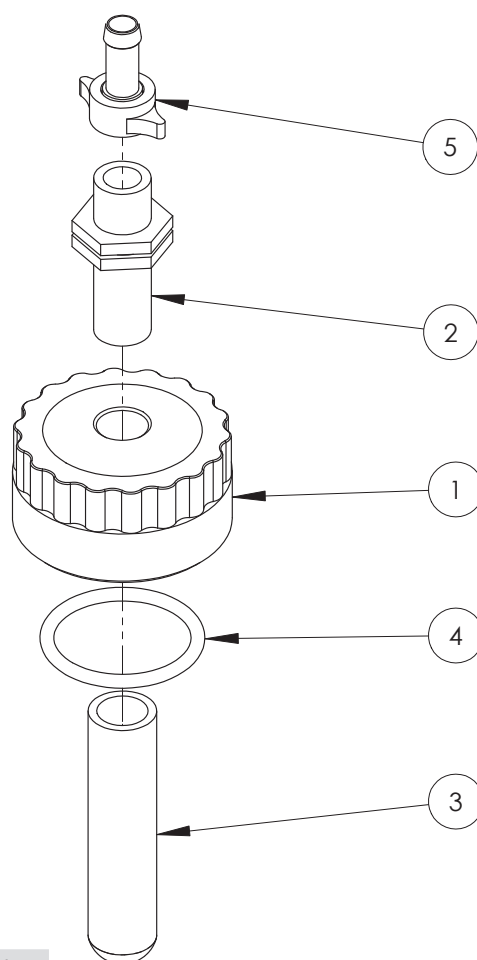
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70608A	45l Transcal mount plate 10mm FMS	1
2	GA4901047	Tank, 45L, Natural, Suit Transcal, Purchased	1
3	F70623A	Transcal bottle strap Yellow Zinc Plated	1
4	GA5010085	Hollow section rectangular rubber (cut 735mm)	1
5	GA5011489	Bolt M8 x 60 ZP GR8.8	1
6	GA5004883	Washer 8mm Flat ZP Heavy Duty	2
7	GA5004917	Nut M8 Nyloc ZP	1
8	GA4903050	Cap, Pre-assembled with rinse nozzle	1
9	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	2
10	GA3500391	Tee, Threaded, 1/2" male x 1/2" hose, T12T	1
11	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	1
12	GA5000587	Washer 12mm Flat ZP Heavy Duty	2

Continued over page

## Transcal Bottle

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	GA5011237	Set Screw M12 x 50 ZP GR8.8	1
14	GA5012461	Nut M12 Nyloc ZP	1
15	GA5000117	Washer 10mm Flat SS Heavy Duty	2
16	GA5000137	Washer 10mm Spring SS	2
17	GA5011229	Bolt M12 x 25 ZP GR8.8	2
18	T12	Tee Barb 1/2" x 1/2" x 1/2"	1
19	GA5020695	Hosetail (brass) 1/4" x 1/8" Male Thread	1
20	GA5077747	Hose barb, Straight, 1 female thread x 1 hose, Banjo, HBF100	1

## Rinse Nozzle & Cap

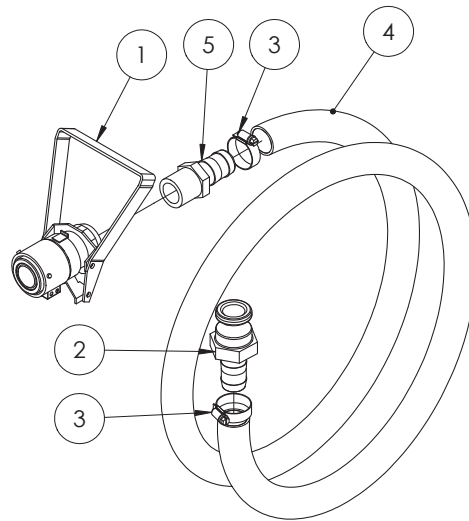


GA4903050 Complete Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	L055A	Cap / Lid, 80 OD, 1/2" BSPP female thread in top, Suit Transcal	1
2	2502021	Long thread nipple 1/2"	1
3	GA5077063	Nozzle, Drum & container rotating rinsing jet, ARAG, 510111	1
4	GA5009187	O-ring, 60 x 5.5mm, suits Exacta tank cap	1
5	GA5075655	Hose barb, Brass, 13mm hose x fly nut end, ARAG, 006330	1

## Enviro coupling & hose

---

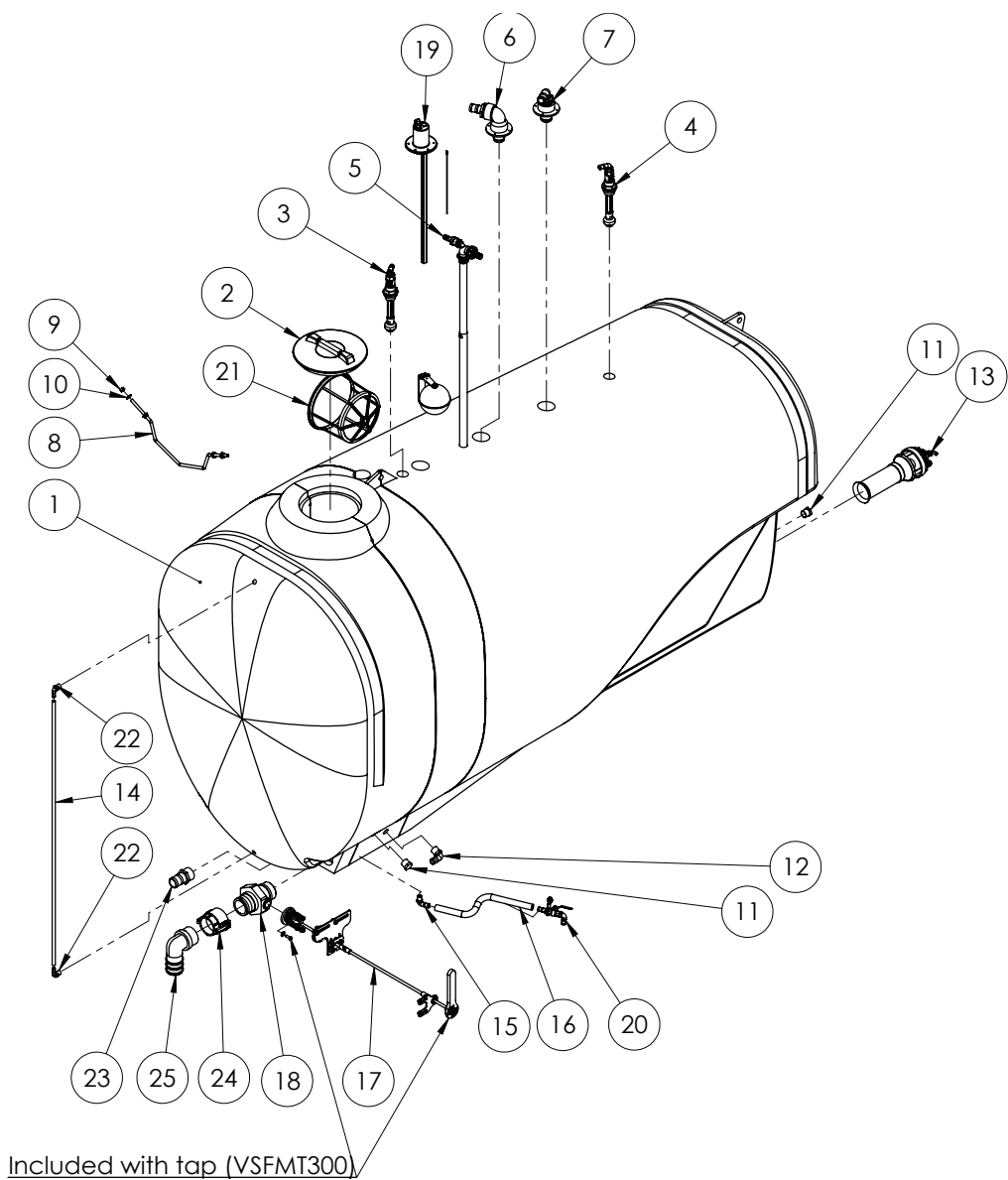


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018803	Micromatic drum valve coupling, 3 pin, Viton seals	1
2	GA5076011	Cam lever, 1 male coupling x 1 hose barb, Banjo, 100E	1
3	GA5001681	Hose Clamp, 1" SS (20-32/12W)	2
4	GA2000220	Hose, Suction, PVC, 25mm, Black	1
5	GA5077718	Hose barb, Straight, 1" male thread x 1" hose, Banjo, HB100	1



## MAIN TANK

### 4/5000 litre tank assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070030	Tank, 5000L, Prairie Advance EF, Bare	1
	GA5070200	Tank, 4000L, Prairie Advance EF, Bare	1
2	GA5076877	Lid, Black Plastic, Diameter 355, With breather, 3522040	1
3	GA4901285-2	Tank rinsing nozzle, Assembly with tee cam adaptor	1
4	GA4901285-1	Tank flushing nozzle (elbow) cam adaptor	1

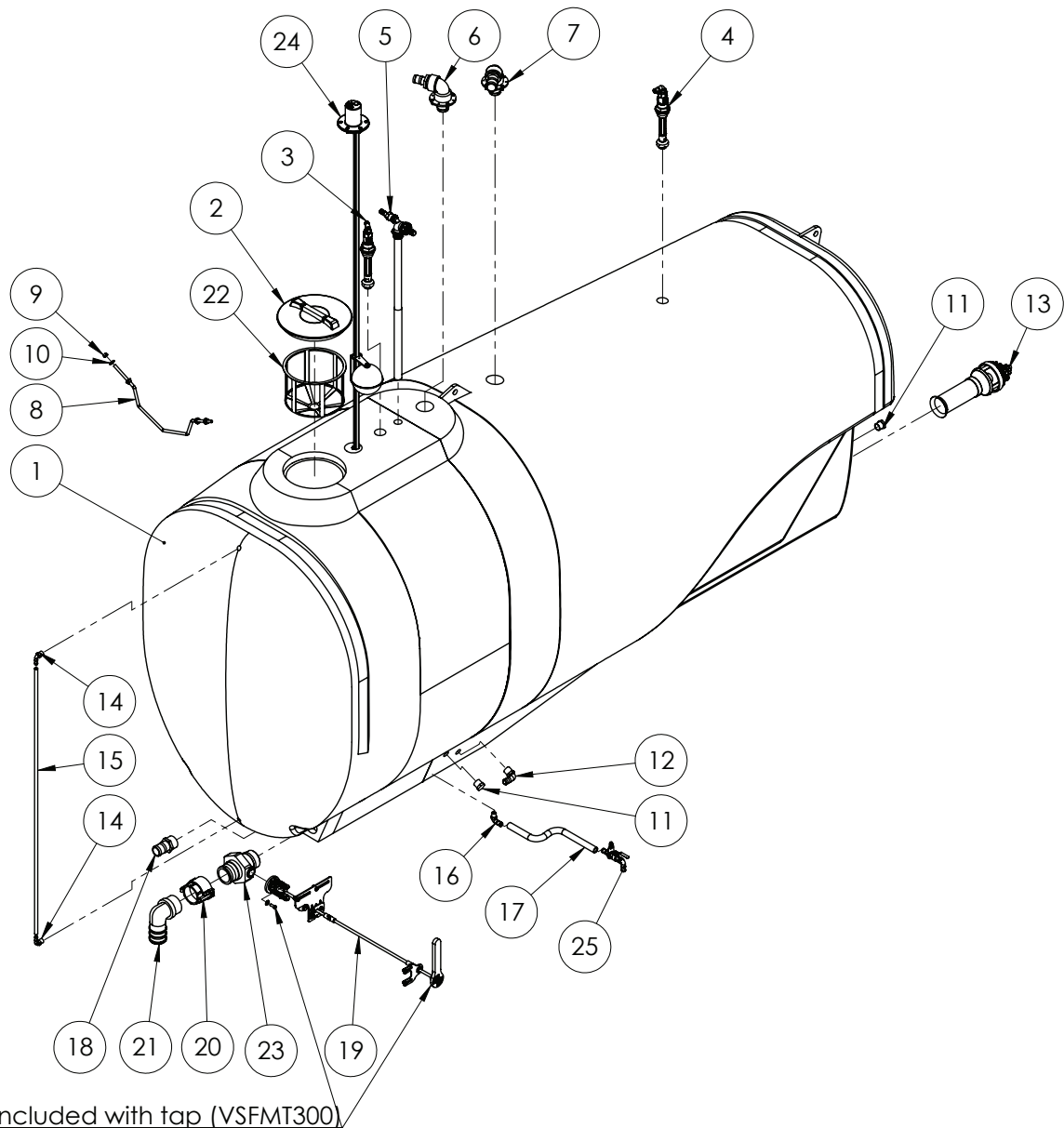
Continued over page



## 4/5000 litre tank assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
5	GA4903086	Venturi filler, Pre-assembled, Mounted in top of tank	1
6	GA4903098	Tank induction hopper inlet, Pre-assembled	1
7	GA4903136	Tank inlet, 2" tank fill, Pre-assembled	1
8	GA4672885	Bar, Tank lid opening support, Suit EF tanks	1
9	GA5000581	Nut M12 Hex SS	4
10	GA5000577	Washer 12mm Flat SS HD	4
11	GA5077945	Plug, 1 male thread, Banjo, PLUG100	2
12	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	1
13	GA4903096	Super mix agitator, Pre-assembled	1
14	GA2000209	Hose, Clear, 12mm, Sight tube (cut 1700mm)	1.7
15	GA5077704	Hose barb, Elbow, 90 degree, 1/2 male thread x 3/4 hose, Banjo, HB050/075-90	1
16	GA2000216	Hose, Pressure, 20mm, Black 250psi, HOS20P, Sold per meter	.6
17	GA4903550	Remote tank drain handle, 4/5/6500L Prairie	
18	GA5078204	Valve, Ball, 3", Male NPT, Male Cam lock, stubbly, long handle, Banjo, VSFMT300	1
19	GA4902146	Dry sight tube, Base Bom, Prairie and Special, MY14	1
20	GA4903097	Cam lever, 3" female coupling x 3" female thread - NSPT thread	1
21	GA5076714	Filter, Basket type, Diameter 305 x 245mm deep, Suit main spray tank, 300120	1
22	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	1
23	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo, HB200	1
24	GA5076720	Cam lever, 3" female coupling x 3" female NSPT thread, Banjo, 300D	1
25	GA5077742	Hose barb, Elbow, 90 degree, 3 male thread x 3 hose, Banjo, HB300-90	1

## 6500 litre tank assembly



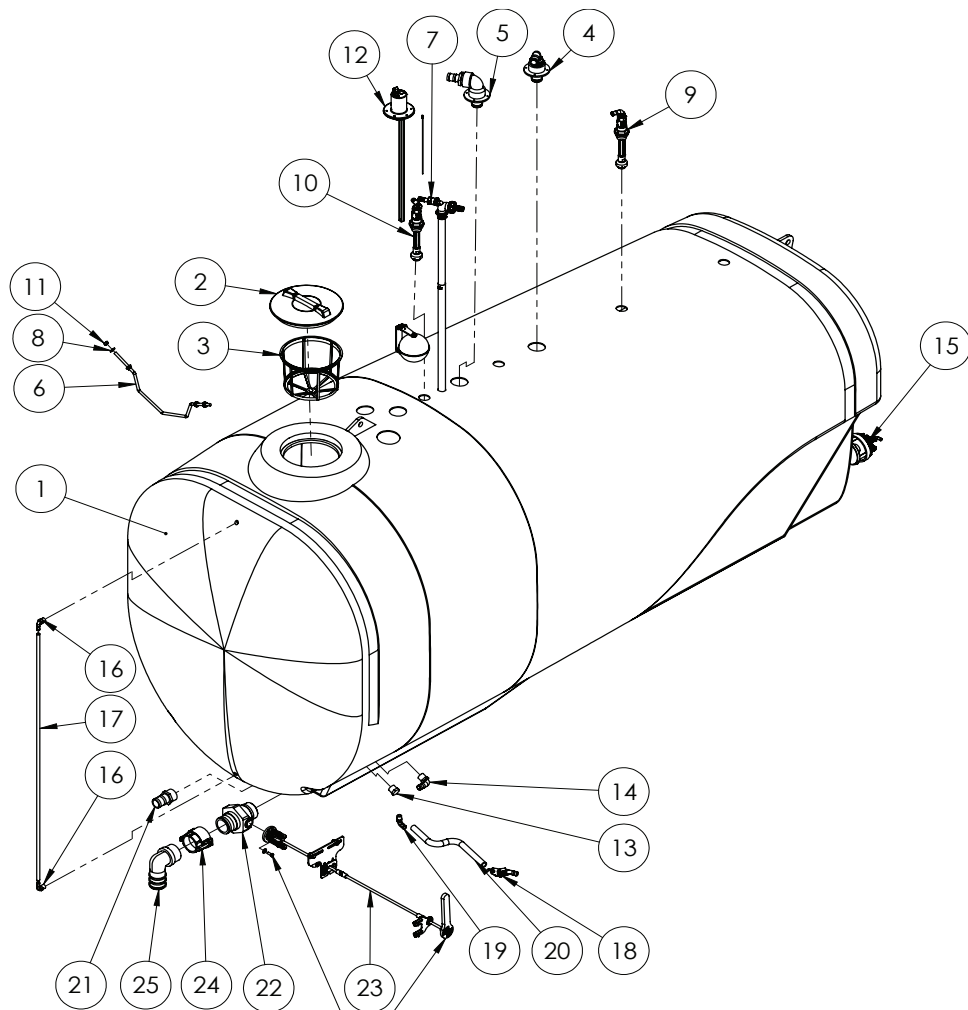
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070100	Tank, 6500L, Prairie Advance EF, Bare	1
2	GA5076877	Lid, Black Plastic, Diameter 355, With breather, 3522040	1
3	GA4901285-2	Tank rinsing nozzle, Assembly with tee cam adaptor	1
4	GA4901285-1	Tank flushing nozzle (elbow) cam adaptor	1
5	GA4903086	Venturi filler, Pre-assembled, Mounted in top of tank	1
6	GA4903098	Tank induction hopper inlet, Pre-assembled	1
7	GA4903136	Tank inlet, 2" tank fill, Pre-assembled	1
8	GA4672885	Bar, Tank lid opening support, Suit EF tanks	1
9	GA5000581	Nut M12 Hex SS	4
10	GA5000587	Washer 12mm Flat ZP Heavy Duty	4

Continued over page

## 6500 litre tank assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
11	GA5077945	Plug, 1 male thread, Banjo, PLUG100	2
12	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	1
13	GA4903096	Super mix Agitator, Pre-assembled	1
14	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	2
15	GA2000209	Hose, Clear, 12mm, Sight tube (cut 1700mm)	1
16	GA5077704	Hose barb, Elbow, 90 degree, 1/2 male thread x 3/4 hose, Banjo, HB050/075-90	1
17	GA2000216	Hose, Pressure, 20mm, Black 250psi (cut 600mm)	1
18	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo, HB200	1
19	GA4903550	Remote tank drain handle	1
20	GA5076720	Cam lever, 3" female coupling x 3" female NSPT thread, Banjo, 300D	1
21	GA5077742	Hose barb, Elbow, 90 degree, 3 male thread x 3 hose, Banjo, HB300-90	1
22	GA5076714	Filter, Basket type, Diameter 305 x 245mm deep, Suit main spray tank, 300120	1
23	GA5078204	Valve, Ball, 3", Male NPT, Male Cam lock, stubbly, long handle, Banjo, VSFMT300	1
24	GA4902146	Dry sight tube, Base Bom, Priairie and Special	1
25	GA4903097	Pre-assembled sump drain suit 5000L & 6500L Trailing	1

## 75/8500 litre tank assembly



Included with tap (VSFMT300)

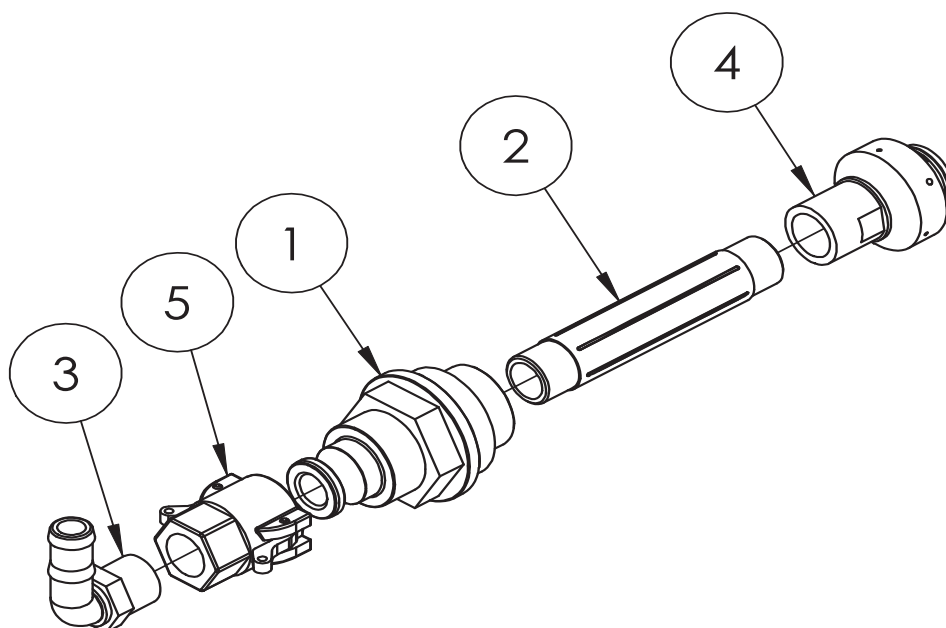
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070280	Tank, 7500L, EF with wheel cut outs, Bare	1
	GA5070285	Tank, 8500L, EF with wheel cut outs, Bare	1
2	GA5076877	Lid, Black Plastic, Diameter 355, With breather, 3522040	1
3	GA5076714	Filter, Basket type, Diameter 305 x 245mm deep, Suit main spray tank, 300120	1
4	GA4903136	Tank inlet, 2" tank fill, Pre-assembled	1
5	GA4903098	Tank induction hopper inlet, Pre-assembled	1
6	GA4672885	Bar, Tank lid opening support, Suit EF tanks	1
7	GA4903086	Venturi filler, Pre-assembled, Mounted in top of tank	1
8	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
9	GA4901285-1	Tank flushing nozzle (elbow) cam adaptor	1
10	GA4901285-2	Tank rinsing nozzle, Assembly with tee cam adaptor	1
11	GA5000581	Nut M12 Hex SS	4
12	GA4902146	Dry sight tube, Base Bom, Priairie and Special	1
13	GA5077945	Plug, 1 male thread, Banjo, PLUG100	1
14	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo, HB100-90	1

Continued over page

## 75/8500 litre tank assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
15	GA4903096	Super mix agitator, Pre-assembled	2
16	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo, HB050-90	2
17	GA2000209	Hose, Clear, 12mm, Sight tube (cut 1700mm)	1
18	GA4903097	Pre-assembled sump drain suit 5000L & 6500L Trailing	1
19	GA5077704	Hose barb, Elbow, 90 degree, 1/2 male thread x 3/4 hose, Banjo, HB050/075-90	1
20	GA2000216	Hose, Pressure, 20mm, Black 250psi (cut 600mm)	1
21	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo, HB200	1
22	GA5078204	Valve, Ball, 3", Male NPT, Male Cam lock, stubby, long handle, Banjo, VSFMT300	1
23	GA4903291	Remote tank drain handle	1
24	GA5076720	Cam lever, 3" female coupling x 3" female NSPT thread, Banjo, 300D	1
25	GA5077742	Hose barb, Elbow, 90 degree, 3 male thread x 3 hose, Banjo, HB300-90	1

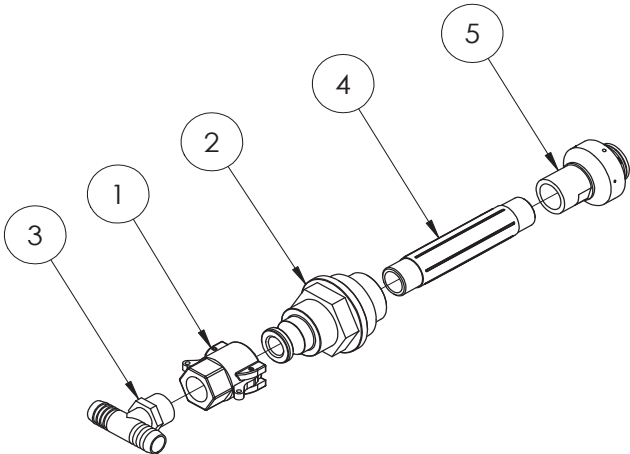
## Tank Flush Elbow



GA4901285-1 Tank flushing nozzle (elbow) cam adaptor

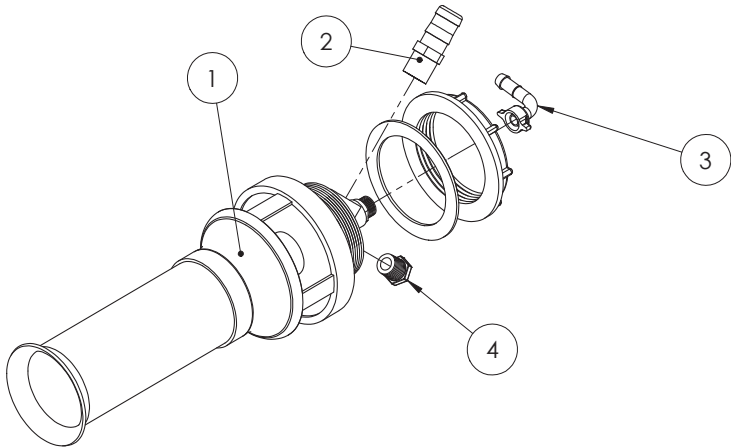
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4572015	Tank rinse adaptor with cam lock	1
2	GA5077912	Nipple, 6 long, 3/4 male thread, Banjo, NIP075-6	1
3	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	1
4	GA5077336	Nozzle, Tank rinsing, 3/4 BSPT female inlet, Teejet, B55270-3/4-18	1
5	GA5077132	Cam lever, 3/4 female coupling x 3/4 female thread, Banjo, 75D	1

# Tank Rinse Tee



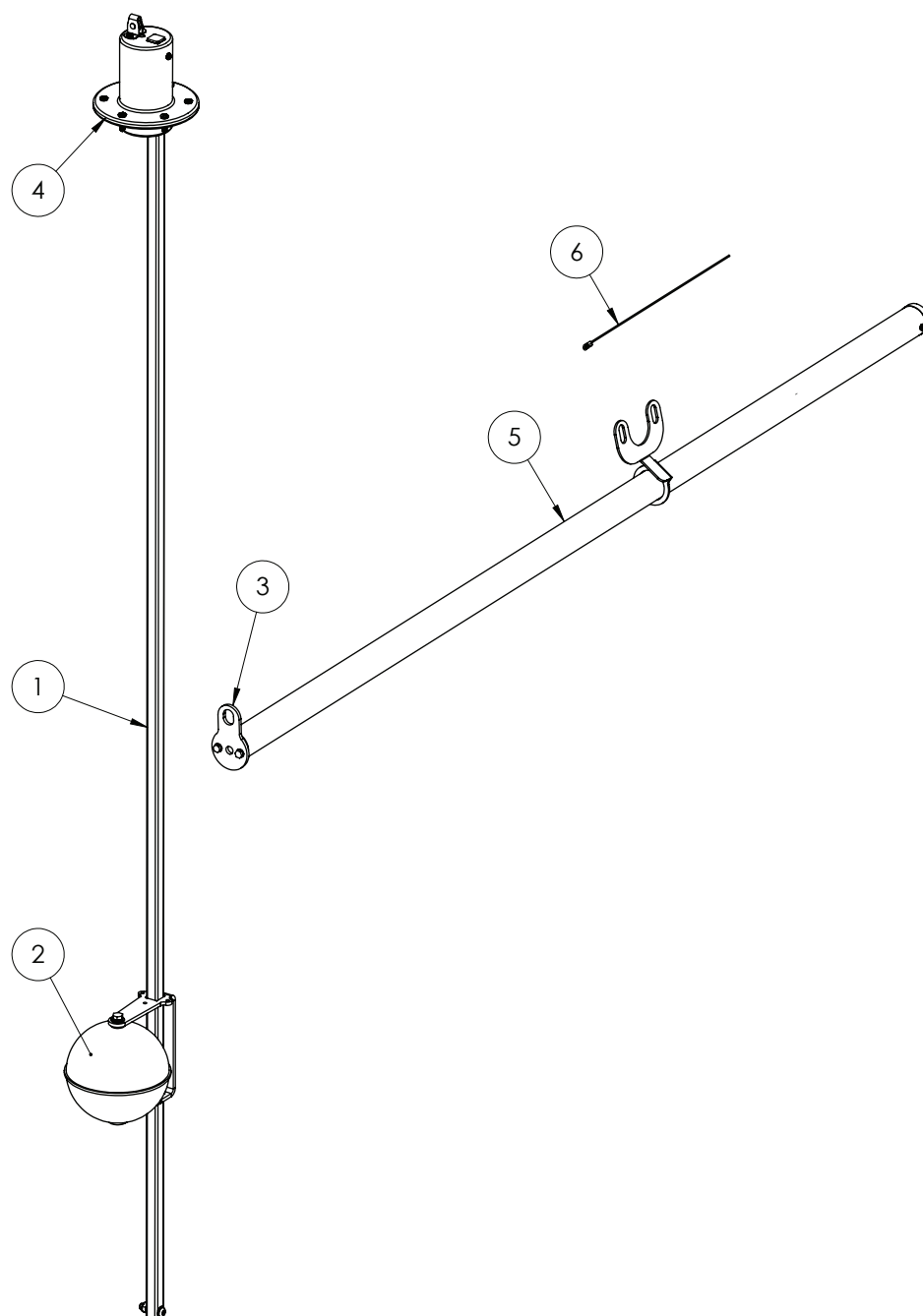
GA4901285-2 Tank rinsing nozzle, Assembly with tee cam adaptor			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077132	Cam lever, 3/4 female coupling x 3/4 female thread, Banjo, 75D	1
2	GA4572015	Tank rinse adaptor with cam lock	1
3	GA3500431	Hose barb, Tee, 3/4" hose barb x 3/4" hose barb x 3/4" male thread, T34T	1
4	GA5077912	Nipple, 6 long, 3/4 male thread, Banjo, NIP075-6	1
5	GA5077336	Nozzle, Tank rinsing, 3/4 BSPT female inlet, Teejet, B55270-3/4-18	1

# Supermix Agitator



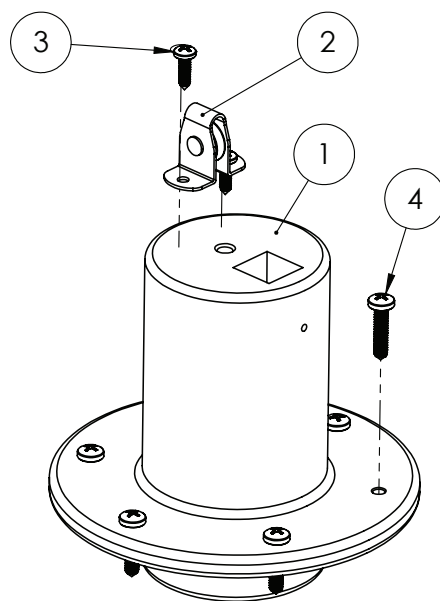
GA4903096 Super mix agitator, Pre-assembled			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077038	Agitator, Super mix, 3mm jet, Arag, 502054	1
2	GA5077715	Hose barb, Straight, 3/4 male thread x 1 hose barb, Banjo, HB075-100	1
3	GA5075657	Hose barb, Elbow, 90 degree, 13mm hose, including 1/2 fly nut and seal, Brass, Arag, 006530	1
4	GA5077943	Plug, 1/2 male thread, Banjo, PLUG050	1
	GA5075653	Seal, Rubber, 11.8 ID x 18 OD x 2, 006100	1

## Dry Sight Tube Kit



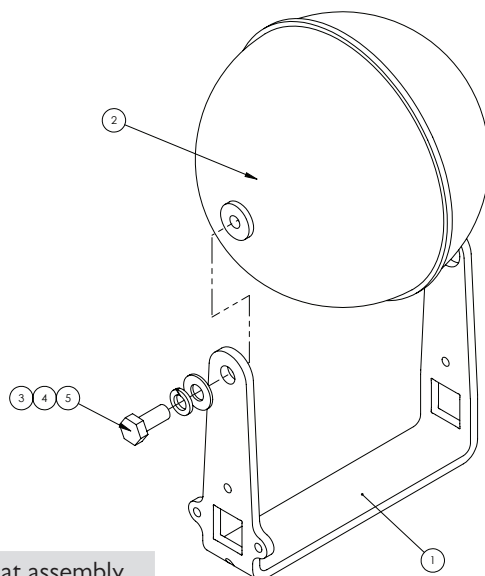
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5046955	RHS, 19 x 19 x 1.6mm, SS	1
2	GA4922090	Float assembly, In tank, Suit Dry sight tube	1
3	GA4903094	Pre-assembled Sight Tube parts Prairie Advance	1
4	GA4902148	Locating cap assembly, Dry sight tube	1
5	GA5002979	Sight tube, Clear, 38 ID x 44 OD x 2000mm long, Polycarbonate	1
6	GA4902149	Cable, Sight Tube Float	1

# Sight Tube Locating Cap



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MACH0308	Float tube locating cap (Blk Poly)	1
2	GA5015221	Pulley, Upright, 19mm, Suit sight tube cable roller	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

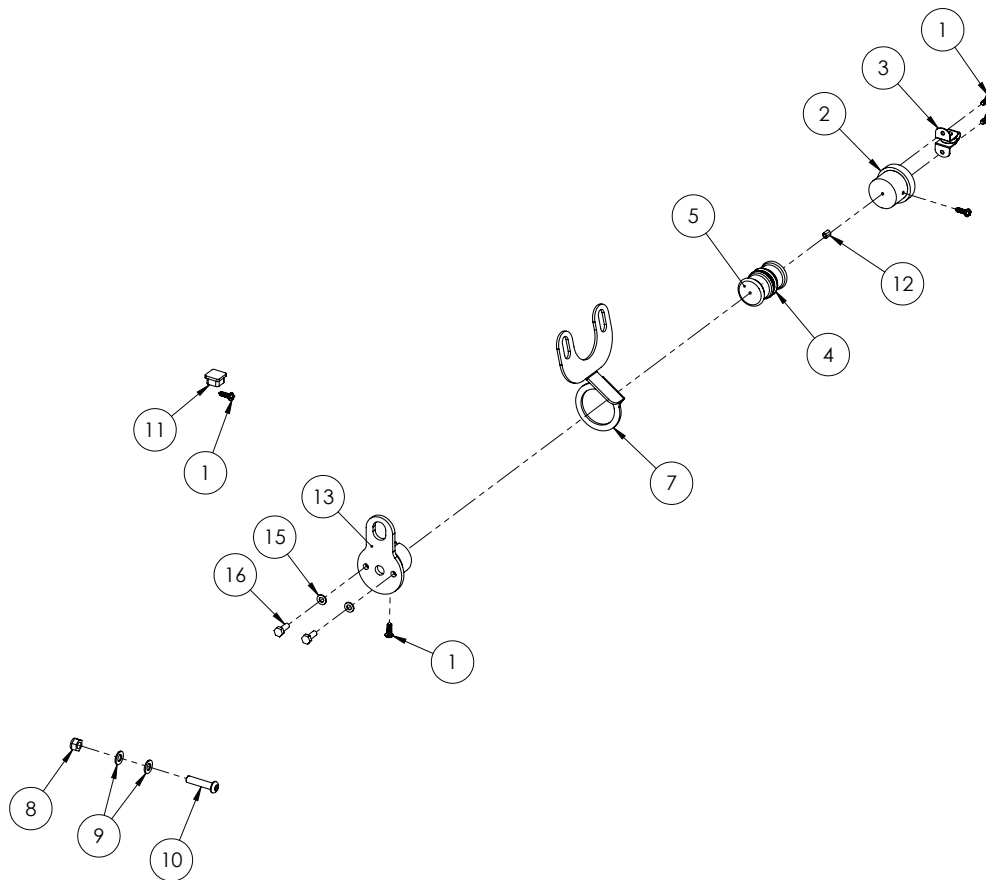


GA4922090 Complete float assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4523045	Mount bracket, suits dry sight tube float	1
2	GA5008835	Float, Black, Plastic, 6" OD	1
3	GA5004883	Washer 8mm Flat ZP Heavy Duty	1
4	GA5004919	Washer 8mm Spring SS	1
5	GA5048485	Set Screw, 5/16" x 3/4" BSW, SS GR8	1

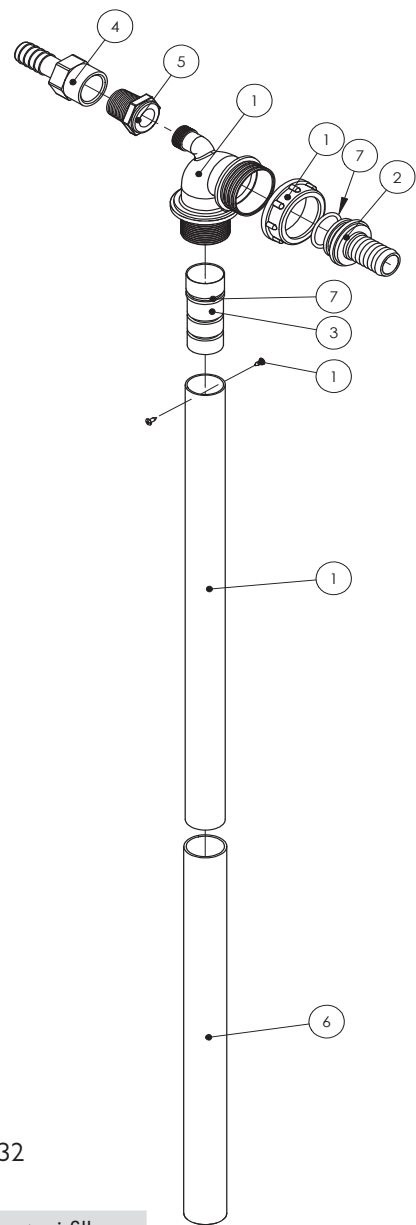


## Dry Sight Tube Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5014817	Screw 10G x 5/8" Pan Head SS	5
2	MACH0306	Remote sight tube end cap (Black Poly)	1
3	GA5015221	Pulley, Upright, 19mm, Suit sight tube cable roller	1
4	GA5012529	O-ring, 34.65 x 1.78mm, BS024	2
5	MACH0307	Remote sight tube level indicator	1
6	MACH0317	Level Indicator Insert	1
7	F70668A	Sight tube locating plate	1
8	GA5052590	Nut M8 Nyloc SS	1
9	GA5003643	Washer 8mm Flat SS Heavy Duty	2
10	GA5051370	BHCS M8 x 35 SS GR8.8	1
11	GA5001101	19 x 19mm Square tube Insert Black	1
12	GA5008643	Ferrule, Hand swage, Copper plated, to 2mm diameter cable	1
13	F70669A	Sight tube base mounting plate	1
14	MACH0316	Tube End Cap with Light Attachment	1
15	GA5004437	Washer 6mm Flat SS	2
16	GA5004041	Bolt M6 x 16 ZP GR8.8	2

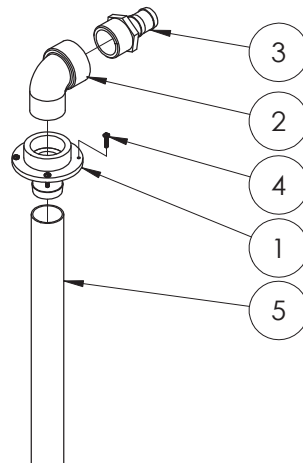
# Venturi Filler



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

GA4903086		Pre-assembled venturi filler	
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077035	Venturi, Top of tank, 32 OD outlet, Arag, not modified for Goldacres tanks, 500232	1
2	GA5076036	Hose barb, Straight, 1 1/2" fly nut end x 1" hose barb, Udor, 106625	1
3	MACH0022	Jet for Arag venturi	1
4	GA5077743	Hose barb, Straight, 3/4 female x 3/4 hose, Banjo, HBF075	1
5	GA5078010	Bush, Reducing, Poly, 3/4" Male Thread x 1/2" Female Thread, Banjo, RB075050	1
6	GA5050205	Hose Lay flat 32mm Blue	1
7	GA5077679	O ring, 30 x 3mm, G10061	1
	GA5007235	Cobra Clamp 36.0/91.4310 (Not Shown)	1

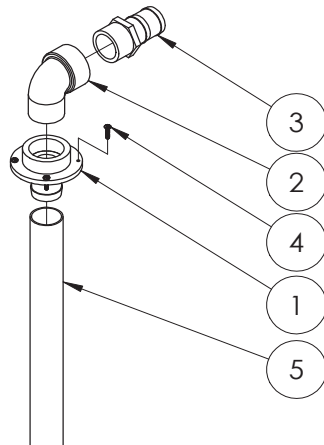
## Hopper Tank Inlet



GA4903098 Complete hopper inlet flange

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	L026A	Barb to suit tank fill top	1
2	GA5078142	Street elbow, 90 degree, 2 male thread x 2 female thread, Banjo, SL200-90	1
3	GA5077739	Hose barb, Straight, 2 male thread x 1 1/2 hose, Banjo, HB200-150	1
4	GA5000527	Screw, Pan head, 12G x 25mm, SS	4
5	GA2000228	Hose, PVC, 50mm, Black (cut 1550mm)	1
	GA5003325	Hose clamp, 2" SS, (40-60/12W)	2

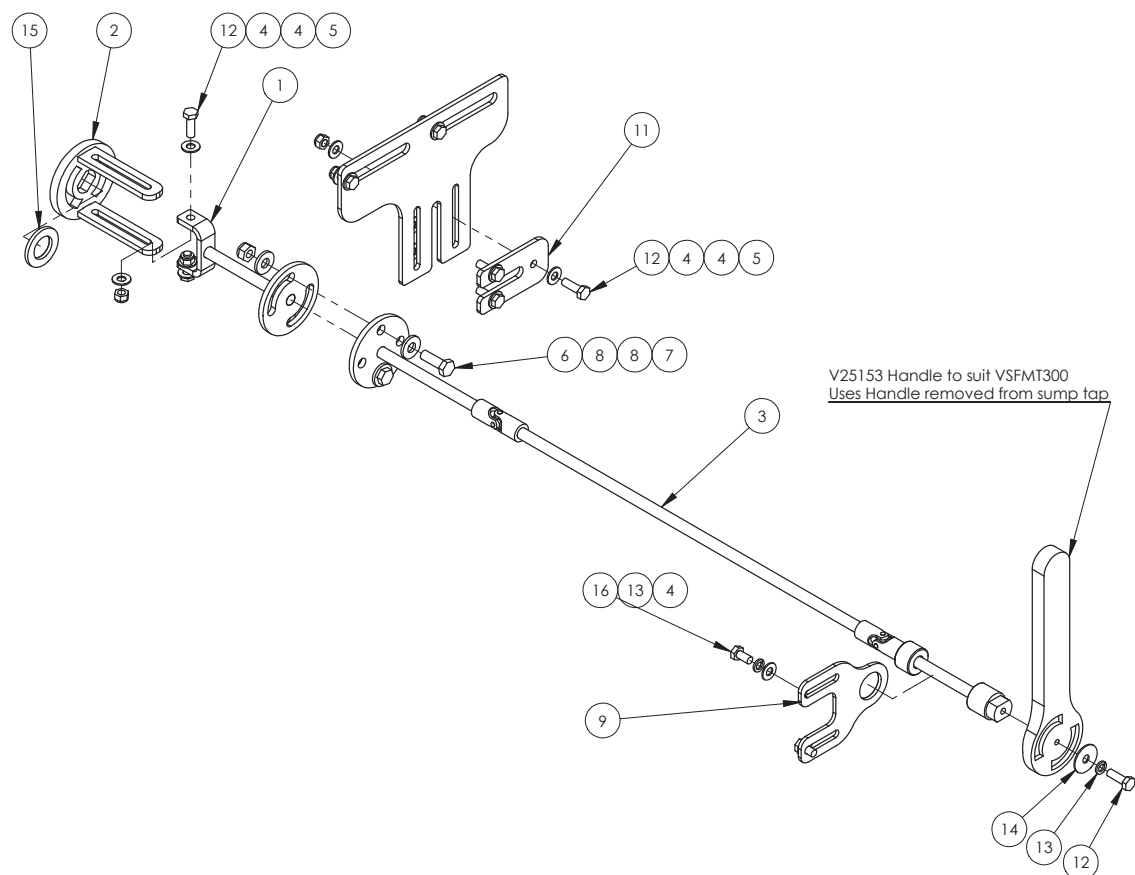
## 2" Tank Fill



GA4903136 Complete 2" tank fill assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	L026A	Barb to suit tank fill top	1
2	GA5078142	Street elbow, 90 degree, 2 male thread x 2 female thread, Banjo, SL200-90	1
3	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo, HB200	1
4	GA5000527	Screw, Pan head, 12G x 25mm, SS	4
5	GA2000228	Hose, PVC, 50mm, Black (cut 1550mm)	1
	GA5003325	Hose clamp, 2" SS, (40-60/12W)	2

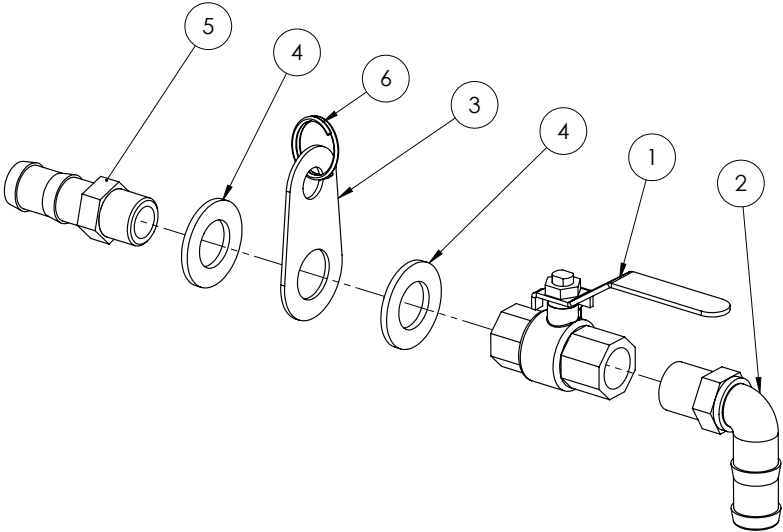
## Remote Drain 4/5/6500lt



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4653657	Sump ball valve inter drive shaft EF	1
2	GA4653656	Drive flange, suits Sump ball valve EF	1
3	GA4653658	Sump ball valve drive shaft EF	1
4	GA5004883	Washer 8mm Flat ZP Heavy Duty	16
5	GA5004917	Nut M8 Nyloc ZP	7
6	GA5065455	Bolt M10 x 30 ZP GR8.8	2
7	GA5000141	Nut M10 Nyloc ZP	2
8	GA5000117	Washer 10mm Flat SS Heavy Duty	4
9	GA4513440	Plate, uni rod aligning & sump hose hanger	1
10	F70661A	Uni rod hanger plate	1
11	F70662A	Uni rod clamping plate 5mm FMS	1
12	GA5004711	Bolt M8 x 25 ZP GR8.8	8
13	GA5004919	Washer 8mm Spring SS	3
14	GA5003645	Washer, 5/16" ID x 1 1/4" OD, Flat SS	1
15	GA5001893	Washer 1" x 1 7/8" x 14G	1
16	GA5011465	Bolt M8 x 16 ZP GR8.8	2

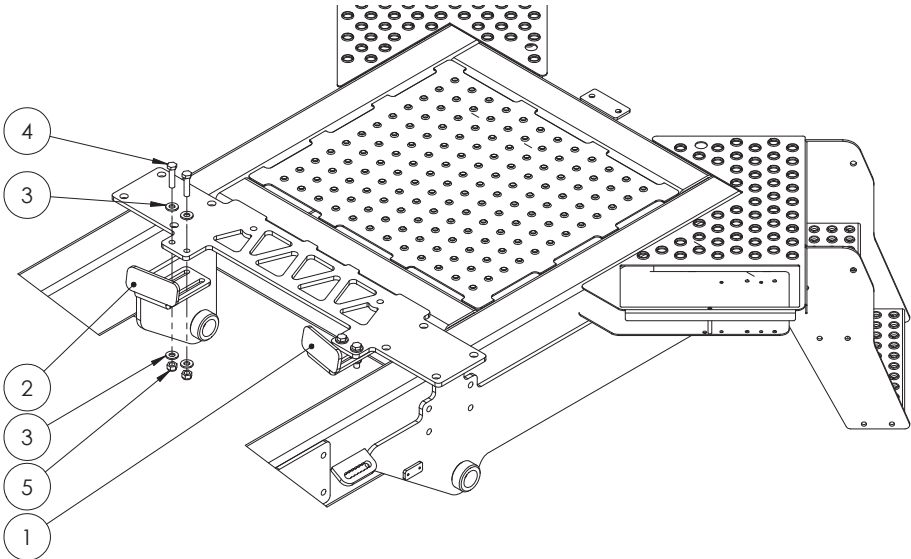


# Sump Drain Tap



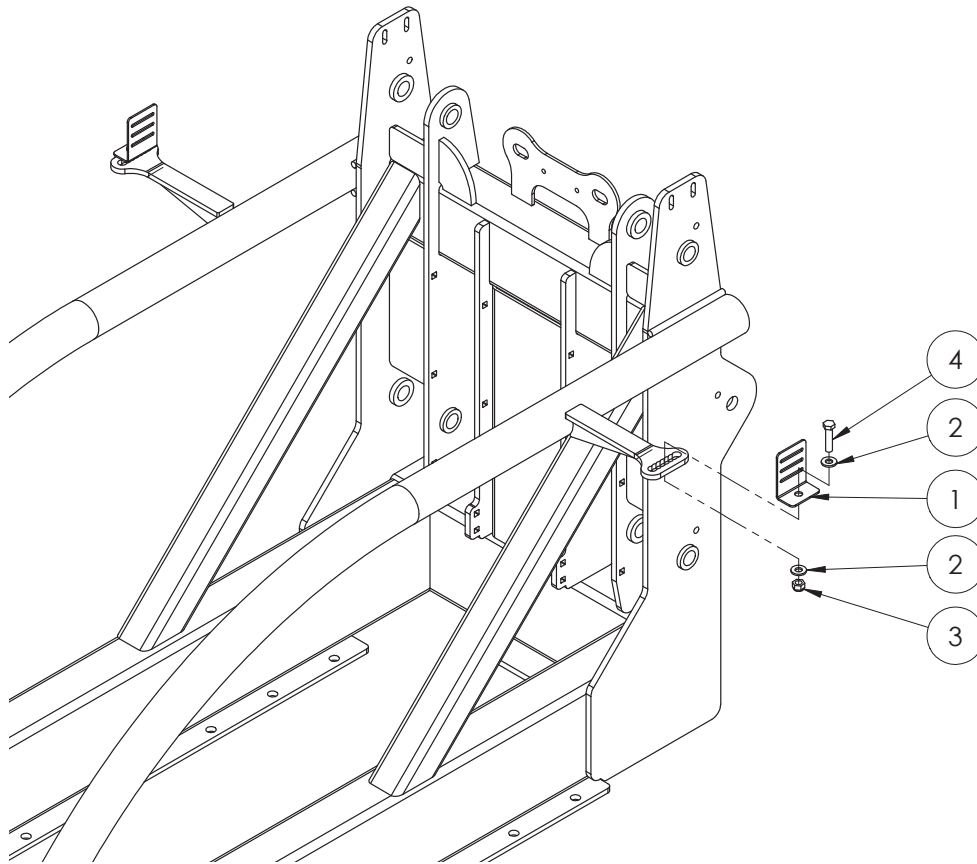
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018309	Valve, Ball, 12mm female thread inlet / outlet, Lever handle, SS	1
2	GA5077704	Hose barb, Elbow, 90 degree, 1/2 male thread x 3/4 hose, Banjo, HB050/075-90	1
3	F70565A	Sump drain mounting plate	1
4	GA5001739	Washer 20mm Flat Heavy Duty SS	2
5	GA5077707	Hose barb, 1/2 male thread x 3/4 hose, Banjo, HB050-075	1
6	GA5002077	Key ring, 25mm, SS	1

# Tank Stops



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4522515	Front tank stop Right Hand Side	1
2	GA4522510	Front tank stop Left Hand Side	1
3	GA5000587	Washer 12mm Flat ZP Heavy Duty	8
4	GA5011239	Bolt, M12 x 50, ZP GR 8.8	4
5	GA5012461	Nut M12 Nyloc ZP	4

## Tank Straps & Brackets

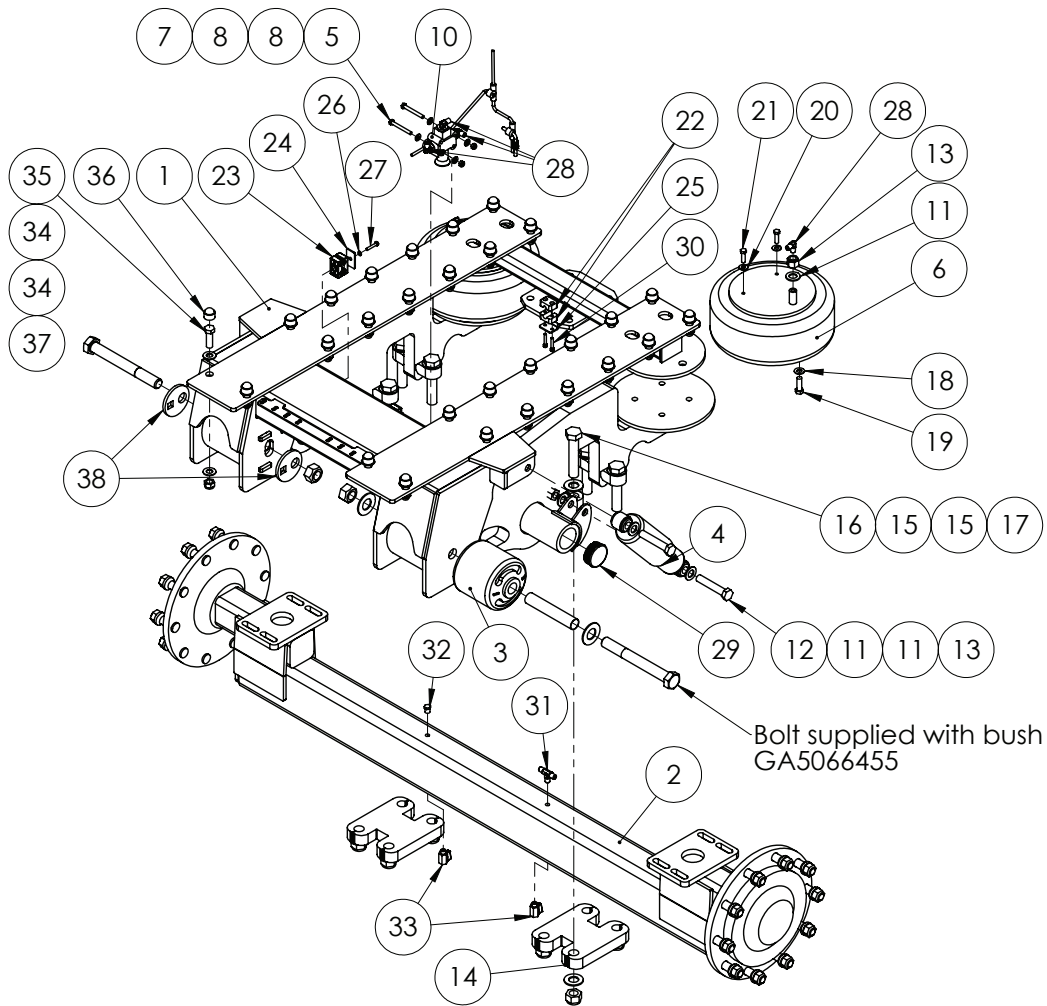


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70127A	Bracket, Tank strap, 50mm	4
2	GA5000587	Washer 12mm Flat ZP Heavy Duty	8
3	GA5012461	Nut M12 Nyloc ZP	4
4	GA5011239	Bolt, M12 x 50, ZP GR 8.8	4
	GA5003859	Strap, Tank, 50mm, Goldacres branded, (price is per meter)	N/A

# Chapter 12

## WHEELS, AXLES & MUDGUARDS

### Air Bag Axle 4/5/6500lt



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4652810	Axle airbag frame EF 2m to 3m	1
	GA4656920	Axle EF AirBag 2000mm I0 Stud	
2	GA4656925	Axle EF AirBag 2050mm I0 Stud	1
	GA4656930	Axle EF AirBag 2100mm I0 Stud	
	GA4656935	Axle EF AirBag 3000mm I0 Stud	
3	GA5071010	Bi-functional Bush, Trailing Airbag Suspension Frame, Includes Bolt, Nut and Sleeve	2
4	GA5015139	Shock Absorber, Double eye, 19mm eye, 82mm OD, Black	2

Continued over page

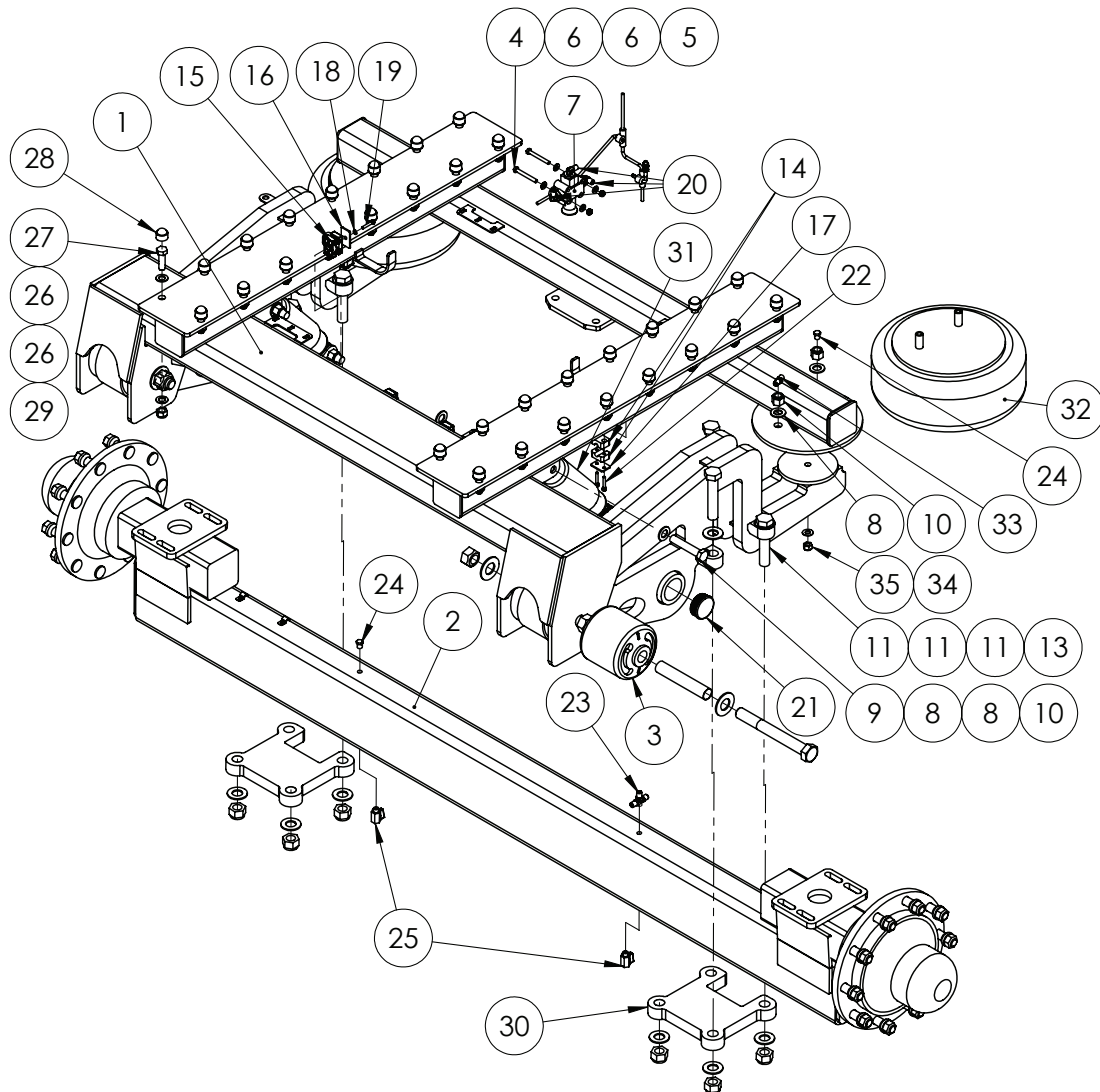


## Air Bag Axle

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
5	GA5004738	Bolt M8 x 70 ZP GR8.8	2
6	GA5005311	Air spring HT230 single air stud	2
7	GA5004917	Nut M8 Nyloc ZP	2
8	GA5003643	Washer 8mm Flat SS Heavy Duty	4
9	GA5001045	Washer, 3/4," Flat ZP	1
10	GA5010868	Ride height valve, 1/4" connecting rods	1
11	GA5001741	Washer 20mm Flat SS Heavy Duty	13
12	GA5049490	Bolt 3/4" UNC x 4" ZP GR8	4
13	GA5048430	Nut, Nyloc, 3/4" UNC, ZP	6
14	GA4632050	Suspension narrow retainer (32mm FMS)	2
15	GA5017681	Washer 1" x 2" 7g Flat Thin SS	16
16	GA5006031	Bolt, 1"UNC x 5" ZP GR8	8
17	GA5012439	Nut, Nyloc, 1" UNC, ZP	8
18	GA5017673	Washer 1/2" High Tensile	8
19	GA5006167	Bolt, 1/2" UNC x 1 1/2", ZP GR8	8
20	GA5017623	Washer 3/8" Flat ZP Heavy Duty	4
21	GA5002599	Set screw, 3/8" UNC x 1 1/4", SS	4
22	GA5078058	Mounting clamp, Single type, Jaw, Pair, Group 2, 14mm, RCS-14J	4
23	GA5078031	Mounting clamp, Double type, Jaw, Pair, Group 2, 14mm, RCD-14J [PAIR]	4
24	GA5078042	Mounting clamp, Double type, Plate, Top, Group 2, RCD-2PT	2
25	GA5078068	Mounting clamp, Single type, Plate, Top, Group 2, RCS-2PT	2
26	GA5004447	Washer, 6mm, Spring, SS	2
27	GA5011405	Bolt M6 x 35 ZP GR8.8	2
28	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male, S49-0404	5
29	GA5051366	End cap, 63.5 mm round, 1.25 - 2.0mm wall, black plastic	2
30	GA5011425	SHCS M6 x 35 SS	4
31	GA3500269	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPT male, S50-040404	1
32	GA5069335	Plug, 1/4" BSPT male thread, Brass	1
33	GA5018323	Valve, Ball, 1/4" male / female thread inlet / outlet, SS, Lever handle	2
34	GA5001009	Washer 16mm Flat ZP Heavy Duty	56
35	GA5000931	Bolt M16 x 50 ZP GR8.8	28
36	GA5075080	Hex nut protection cap suit M16, Black	28
37	GA5001029	Nut M16 Nyloc ZP	28
38	GA4524630	Plate Alignment Eccentric Air bag	2

Note: Rubber tee suit ride height levelling valve - GA5014651

## Air Bag Axle 75/8500lt



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4652838	Axle airbag frame wide suit 7500 and 8500L 2.7m+	1
	GA4652839	Axle airbag frame narrow suit 7500 & 8500L 2.2m to 2.7m	
	GA4652865	Axle unbraked 8000L Airbag 3000	
2	GA4652870	Axle unbraked 8000L Airbag 2800	1
	GA4652871	Axle suit 8000 narrow airbag 2200	
3	GA5071010	Bi-functional Bush, Trailing Airbag Suspension Frame, Includes Bolt, Nut and Sleeve	2
4	GA5004738	Bolt M8 x 70 ZP GR8.8	2
5	GA5004917	Nut M8 Nyloc ZP	2
6	GA5004883	Washer 8mm Flat ZP Heavy Duty	4
7	GA5010868	Ride height valve, 1/4" connecting rods	1
8	GA5001739	Washer 20mm Flat Heavy Duty SS	14
9	GA5049490	Bolt 3/4" UNC x 4" ZP GR8	4

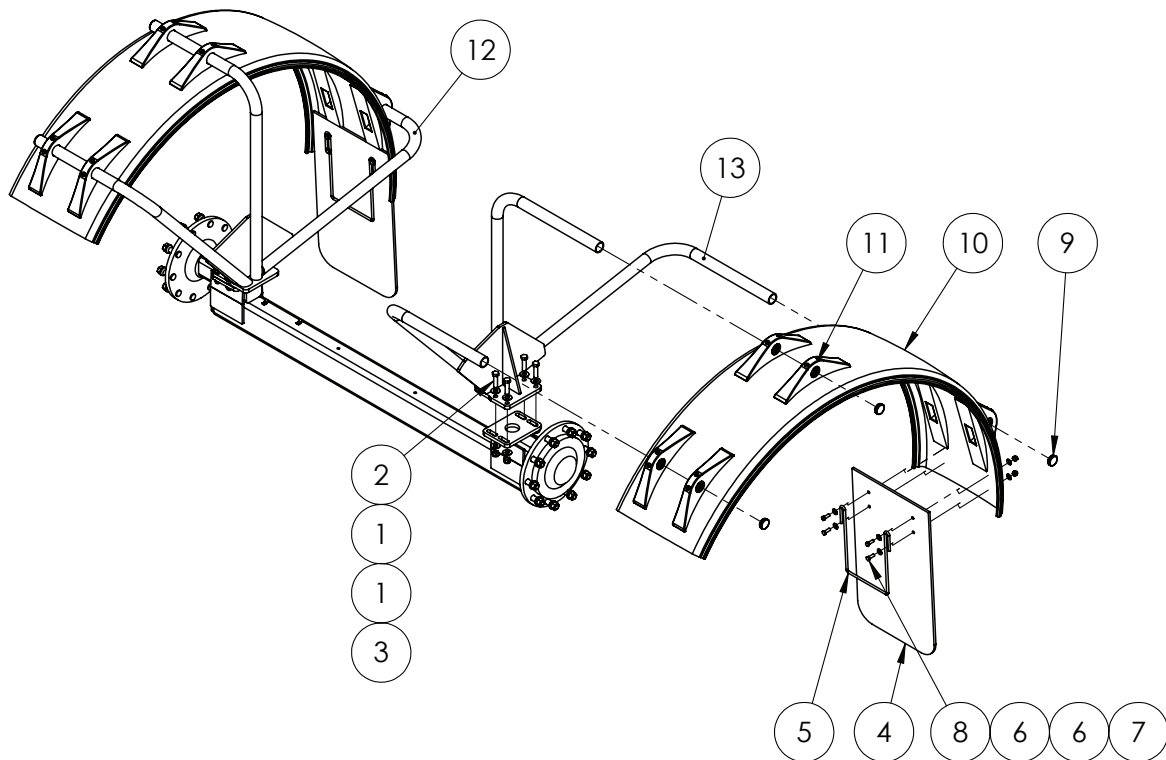
Continued over page

## Air Bag Axle 75/8500lt

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
10	GA5048430	Nut, Nyloc, 3/4", UNC, ZP	8
11	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	17
11	GA5006031	Bolt, 1" UNC x 5" ZP GR8	10
13	GA5012439	Nut, Nyloc, 1" UNC, ZP	8
14	GA5078058	Mounting clamp, Single type, Jaw, Pair, Group 2, 14mm, RCS-14J	4
15	GA5078031	Mounting clamp, Double type, Jaw, Pair, Group 2, 14mm, RCD-14J [PAIR]	6
16	GA5078042	Mounting clamp, Double type, Plate, Top, Group 2, RCD-2PT	3
17	GA5078068	Mounting clamp, Single type, Plate, Top, Group 2, RCS-2PT	2
18	GA5004447	Washer, 6mm, Spring, SS	3
19	GA5011405	Bolt M6 x 35 ZP GR8.8	3
20	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male, S49-0404	3
21	GA5051366	End cap, 63.5 mm round, 1.25 - 2.0mm wall, black plastic	2
22	GA5011425	SHCS M6 x 35 SS	4
23	GA3500269	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPT male, S50-040404	1
24	GA5069335	Plug, 1/4" BSPT male thread, Brass	3
25	GA5018323	Valve, Ball, 1/4" male / female thread inlet / outlet, SS, Lever handle	2
26	GA5001009	Washer 16mm Flat ZP Heavy Duty	64
27	GA5000931	Bolt M16 x 50 ZP GR8.8	32
28	GA5075080	Hex nut protection cap suit M16, Black	32
29	GA5001029	Nut M16 Nyloc ZP	32
30	GA4612225	Bottom axle retaining plate 7500 and 8500	2
31	GA5015139	Shock Absorber, Double eye, 19mm eye, 82mm OD, Black	2
32	GA5005115	Air Spring AA300 dual air stud	2
33	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male, S27-0404	2
34	GA5017673	Washer 1/2" High Tensile	2
35	GA5050580	Nut 1/2" UNC Nyloc ZP	2

Note: Rubber tee suit ride height levelling valve - GA5014651

## Mudguards



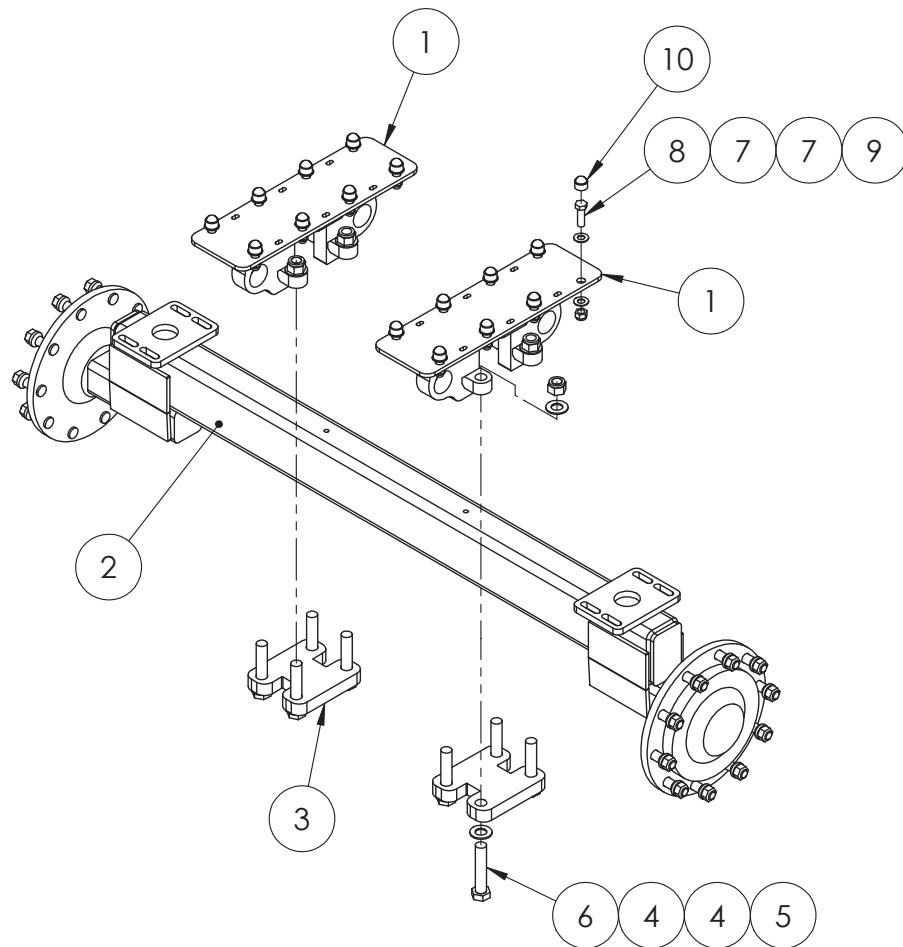
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5001043	Washer 16mm Flat SS HD	16
2	GA5000939	Bolt M16 x 60 Black GR8.8	8
3	GA5001029	Nut M16 Nyloc ZP	8
4	GA5011949	Mudflap Goldacres green /gold 450 old style	2
5	GA5075070	Bracket, Mud guard anti sail, Black	2
6	GA5002565	Washer, 3/8" ID x 1" OD, Flat SS	16
7	GA5011133	Nut M10 Dome nut SS	8
8	GA5006145	Bolt M10 x 30 SS	8
9	GA5003925	End cap, 45 mm round, Black plastic	6
10	GA5066976	Mudguard Dunloflex 510W x R1010 (R51.265)	2
	GA5004263	Mudguard 630W x R1000	
11	GA5066977	Mudguard Bracket Dunloflex suit 48.3mm pipe (H50.660)	12
12	Refer to tables over page for mudguard bracket part numbers		1
13			1

Continued over page

## Mudguards

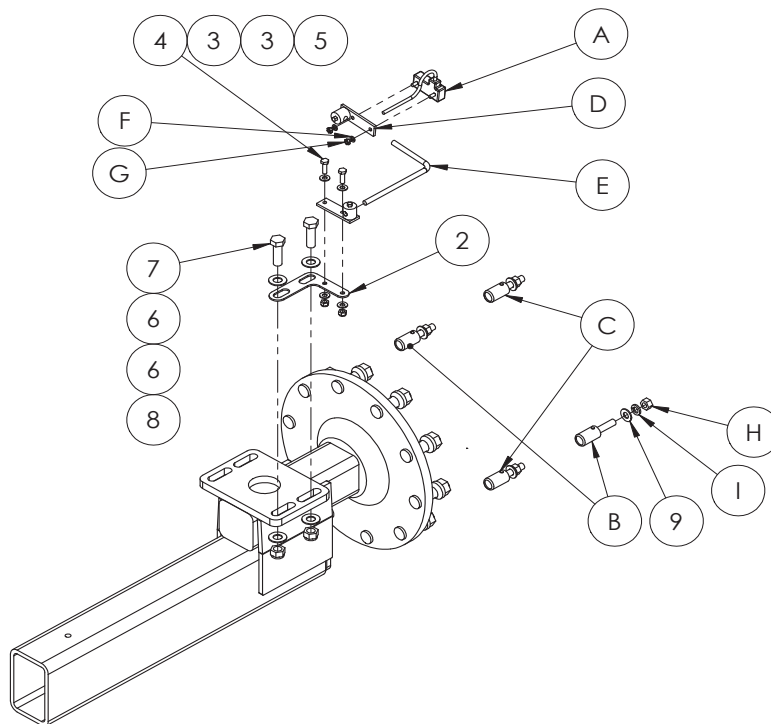
32" Wheels, Air Bag Axle		
Part No	Description	
GA490059I-EF-NS-32	Mudguards kit 32" to suit a/bag suspension	
GA4655078	Mudguard Bracket 38" RH EF rigid	
GA4655079	Mudguard Bracket 38" LH EF rigid	
38" Wheels, Air Bag Axle		
Part No	Description	
GA490059I-EF-NS-38	Mudguards kit 38" to suit EF with a/bag suspension	
GA4655078	Mudguard Bracket 38" RH EF airbag	
GA4655079	Mudguard Bracket 38" LH EF airbag	
38" Wheels, Rigid Axle		
Part No	Description	
GA490059I-P-EF-R	Mudguards kit 38" to suit EF with rigid axle	
GA4655082	Mudguard Bracket 38" RH EF non airbag	
GA4655083	Mudguard Bracket 38" LH EF non airbag	
42" Wheels, Air Bag Axle		
Part No	Description	
GA490059I-EF-NS-42	Mudguards kit 42" to suit EF with a/bag suspension	
GA4655076	Mudguard Bracket 42" RH EF airbag	
GA4655077	Mudguard Bracket 42" LH EF airbag	
42" Wheels, Rigid Axle		
Part No	Description	
GA490059I-P-EF-R-42	Mudguards kit 42" to suit EF with rigid axle	
GA4655088	Mudguard Bracket 42" RH EF non airbag	
GA4655089	Mudguard Bracket 42" LH EF non airbag	
38" & 42" Wheels, Steering axle (not shown)		
Part Number	Description	QTY
GA490059I-EF-S	Mudguards - EF Advance/SmartSteer 18.4 x 38 Poly & mudflaps	1
GA4655247	Mudguard Bracket EF steer suit 500W	6
GA5001029	Nut M16 Nyloc ZP	2
GA5003825	Mudguard, Black plastic, 500 wide x 1000mm radius	18
GA5000941	Bolt M16 x 60 ZP GR8.8	18
GA5001043	Washer 16mm Flat SS HD	36
GA5075070	Bracket, Mud guard anti sail, Black	2
GA5011949	Mudflap Goldacres green /gold 450 old style	2
GA5066162	Bolt M10 x 25 SS	12
GA5011133	Nut M10 Dome nut SS	20
GA5002665	30 Series Plugs	40
GA5006145	Bolt M10 x 30 SS	8

## Rigid Axle



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4652986	Axle carrier suit EF chassis	2
2	GA4656921	Axle EF Rigid 2000mm 10 Stud	1
	GA4656926	Axle EF Rigid 2050mm 10 Stud	
	GA4656931	Axle EF Rigid 2100mm 10 Stud	
	GA4656936	Axle EF Rigid 3000mm 10 Stud	
3	GA4632050	Suspension narrow retainer (32mm FMS)	2
4	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	16
5	GA5012439	Nut, Nyloc, 1" UNC, ZP	8
6	GA5006031	Bolt, 1" UNC x 5" ZP GR8	8
7	GA5001009	Washer 16mm Flat ZP Heavy Duty	32
8	GA5000931	Bolt M16 x 50 ZP GR8.8	16
9	GA5001029	Nut M16 Nyloc ZP	16
10	GA5075080	Hex nut protection cap suit M16, Black	16

## Wheel Speed Sensor

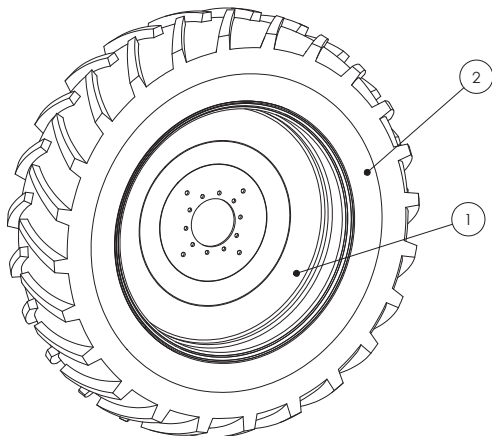


Wheel speed sensor kit 0630171152

Item No	Part No	Description	Qty
A	GA5075857	Sensor, Drive Wheel Speed with 7 1/2' Cable, Raven, 10630171149	1
B	GA5075817	Magnet, Red North Pole Speed Sensor Assembly, Raven, 0630159402	2
C	GA5075818	Magnet, Black South Pole Speed Sensor Assembly, Raven, 0630159403	2
D	GA5075822	Sensor, Turret Assembly Speed Sensor, Raven, 0630159483	2
E	GA5076045	Rod, Speed Sensor, Raven, 1070159472	1
F	GA5017631	Washer 1/4 Spring SS	2
G	GA5012419	Nut 1/4 UNC Nyloc ZP	2
H	GA5050580	Nut 1/2 UNC Nyloc ZP	
I	3131000028	1/2" lock washer	4

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY.
1	GA5075858	Sensor, Drive Wheel Speed, kit 4 Pole Wheel Drive with 7 1/2' Cable, Raven, 0630171152	1
2	GA4534520	Speed Sensor Tab Bolt On	1
3	GA5004883	Washer 8mm Flat ZP Heavy Duty	4
4	GA5004711	Bolt M8 x 25 ZP GR8.8	2
5	GA5004917	Nut M8 Nyloc ZP	2
6	GA5001009	Washer 16mm Flat ZP Heavy Duty	4
7	GA5000931	Bolt M16 x 50 ZP GR8.8	2
8	GA5001029	Nut M16 Nyloc ZP	2
9	GA5017615	Washer 1/2" Flat ZP Heavy Duty	4

## Wheels



Please note wheels are fitted as a left and right hand pair. So when ordering complete wheel and tyre unit, please note on the order which side is required. Rims are supplied painted and with speed sensor holes.

18.4 x 38 wheels		
Item	Part number	Description
1	GA4901410	Complete wheel and tyre
2	GA5018820	Wheel DW 15 x 38 10 stud 0 offset
3	GA5001108	Tyre 18.4 x 38 (16 Ply )

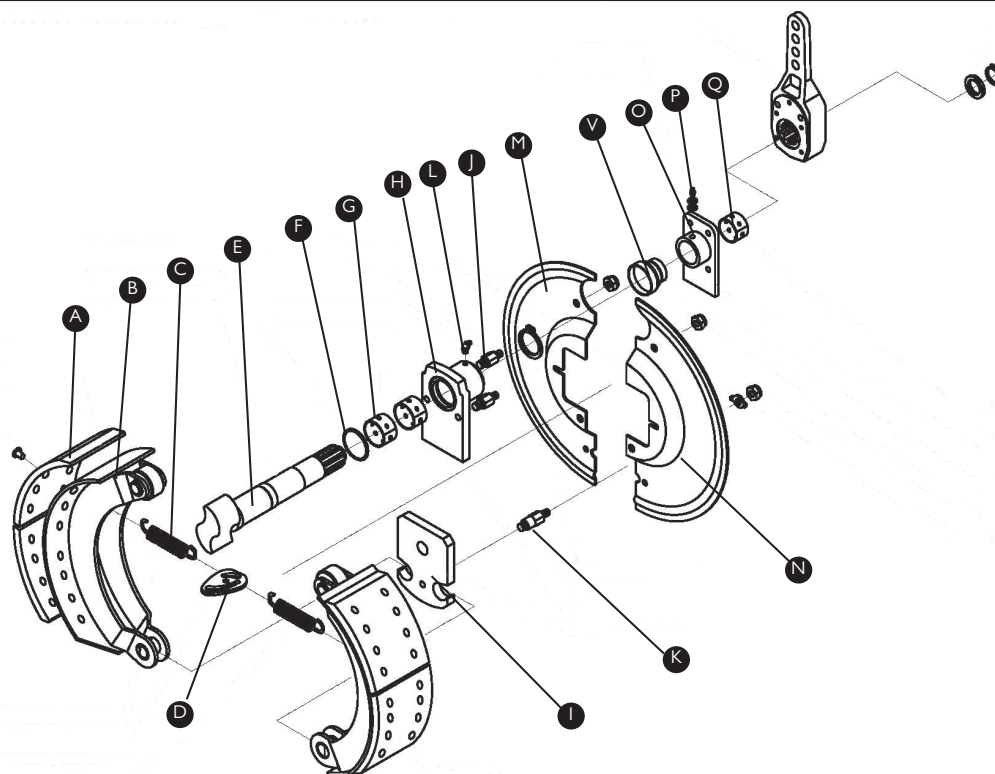
18.4 x 42 wheels		
Item	Part number	Description
1	GA4901414	Complete wheel and tyre
2	GA5020225	Wheel DW16 x 42, 10 stud on 335pcd 0 offset
3	GA5001105	Tyre 18.4 x 42 x 14 ply (R1)

20.8 x 42 wheels		
Item	Part number	Description
1	GA4901415	Complete wheel and tyre
2	GA5001105	42" x 18" Wheel, 10 stud, 0 offset
3	GA5020830	20.8 x 42 Tyre 16 ply

Wheel Nuts	
Part number	Description
GA5018892	Wheel nut, M22 X 1.5mm, ZP
GA5018900	Tapered spring Washers suit M22 wheel stud (329F003)

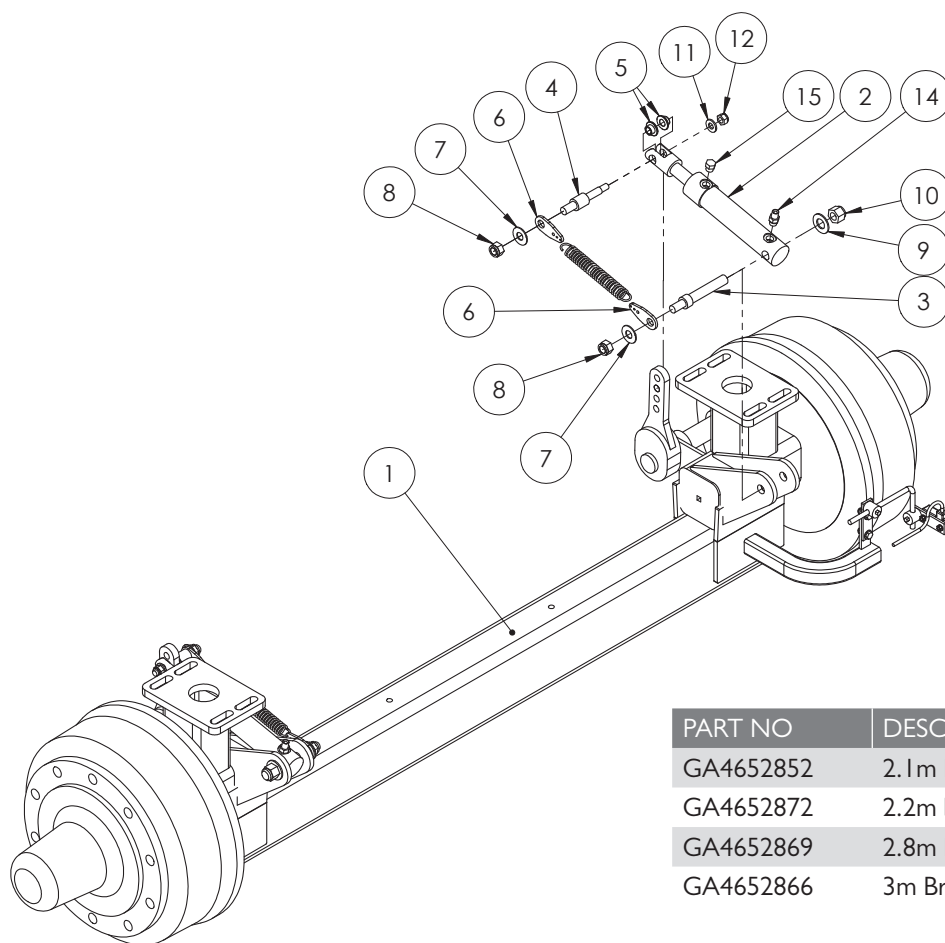


## Brake Components



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
A	GA5062505	Brake Shoe	2
B	GA5062510	Brake Shoe Holder	2
C	GA5062515	Brake Return Spring	2
D	GA5062520	Brake Return Spring Mount	1
E	GA5062525	S Cam	1
F	GA5062530	O-Ring	1
G	GA5062535	Spacers	2
H	GA5062540	S Cam Mount	1
I	GA5062545	Lower Brake Shoe Mount	1
J	GA5062550		2
K	GA5062555		1
L	GA5062560	Grease Nipple	1
M	GA5062565	Backing Plate (Left)	1
N	GA5062570	Backing Plate (Right)	1
O	GA5062575	Brake Lever Mount	2
P	GA5062580	Grease Nipple (long)	2
Q	GA5062585	Spacer Bush	1
R	GA5062590	Nut	2
S	GA5062595	Brake Lever	1
T	GA5062600	Washer	1
U	GA5062605	Circlip	1
V	GA5062610	Rubber Boot	1
	GA5062615	Brake Drum (Not Shown)	1

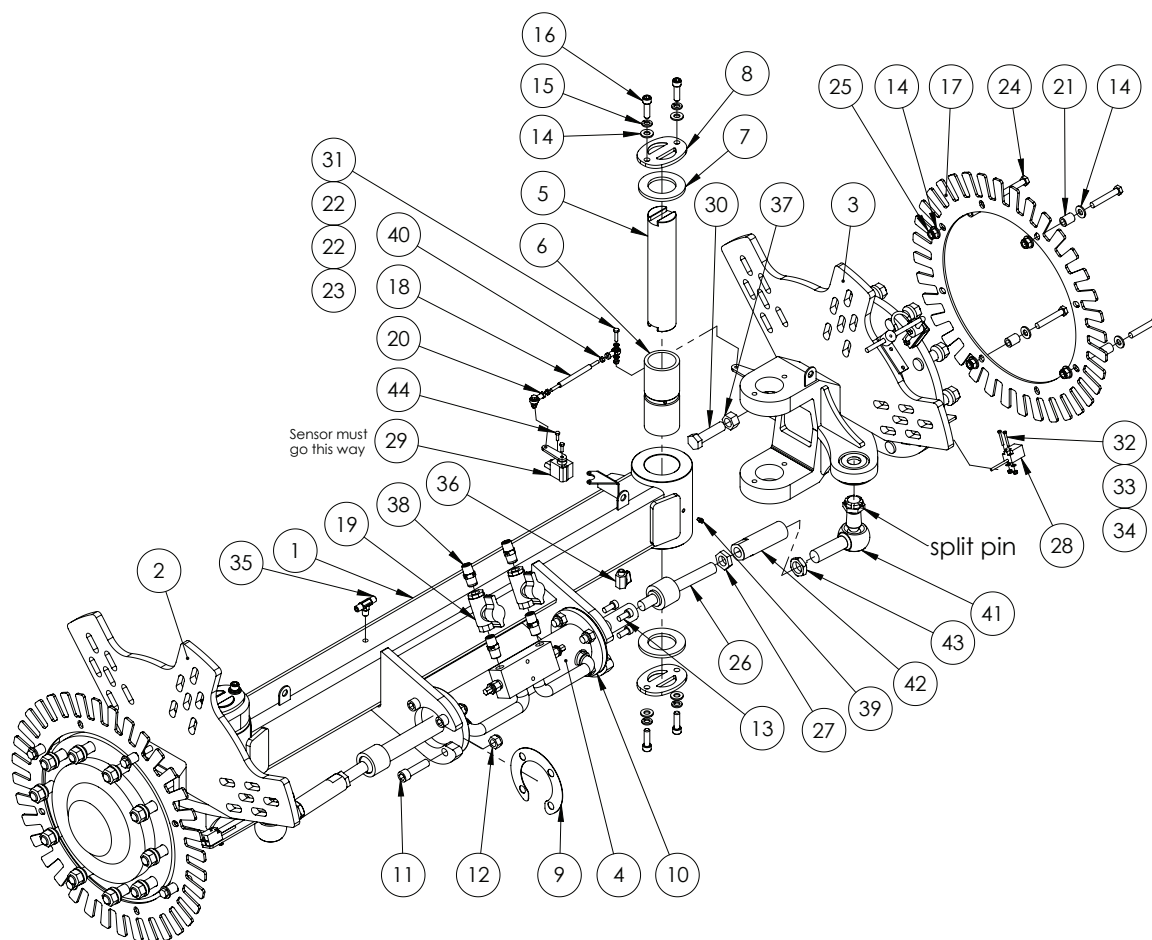
## Braked Axle Assembly



PART NO	DESCRIPTION
GA4652852	2.1m Braked Axle
GA4652872	2.2m braked Axle
GA4652869	2.8m Braked Axle
GA4652866	3m Braked axle

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4652852	Axle EF suit airbag 2100-10 stud braked	1
2	GA5016121	Hydraulic cylinder 1" rod 1.5" bore 100mm stroke	2
3	MACH0201	Spring and ram mounting pin	2
4	MACH0202	Spring and ram mounting pin	2
5	MACH0200	Ram clevis spacer bush 32 x 16 hollow bar	4
6	F70121A	Hopper spring retainer 5mm SS	4
7	GA5001043	Washer 16mm Flat SS HD	4
8	GA5001029	Nut M16 Nyloc ZP	4
9	GA5002539	Washer 3/4" Flat ZP	2
10	GA5048430	Nut, Nyloc, 3/4", UNC, ZP	2
11	GA5000587	Washer 12mm Flat ZP Heavy Duty	2
12	GA5012461	Nut M12 Nyloc ZP	2
13	GA5007755	Spring, Tension, 25 OD x 180 long x 3mm, Suit trailer Brakes	2
14	GA3500358	Hydraulic adaptor, Nipple, 1/4" BSPT male x 9/16" UN male O-ring, S93-0409	2
15	GA3500380	Hydraulic adaptor, Plug, 9/16" UN male O-ring, S97-09	2

## Steering Axle Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4652730	Axle Advance EF steerable	1
2	GA4652972	Steering arm & stub axle assembly, Left side, Prairie Advance	1
3	GA4652971	Steering arm & stub axle assembly, Right side, Prairie Advance	1
4	GA5066585	Hydraulic cylinder suit steering axle	1
5	GA4552315	Steering king pin	2
6	GA4552310	Bush, 75.2 OD x 60 ID x 170mm long, Nylube	2
7	GA4552305	Thrust washer	4
8	GA4502280	Pin retainer	4
9	GA4514640	Steering ram shim plate	2
10	GA4514635	Flange plate for steering ram	1
11	GA5048680	SHCS M16 x 60 ZP GR12.9	8
12	GA5001029	Nut M16 Nyloc ZP	8
13	GA5070250	SHCS 7/16" UNF x 1" ZP GR12.9	4
14	GA5000587	Washer 12mm Flat ZP Heavy Duty	24
15	GA5000575	Washer 12mm Spring SS	8
16	GA5000321	SHCS M12 x 40 ZP GR12.9	8

Continued over page

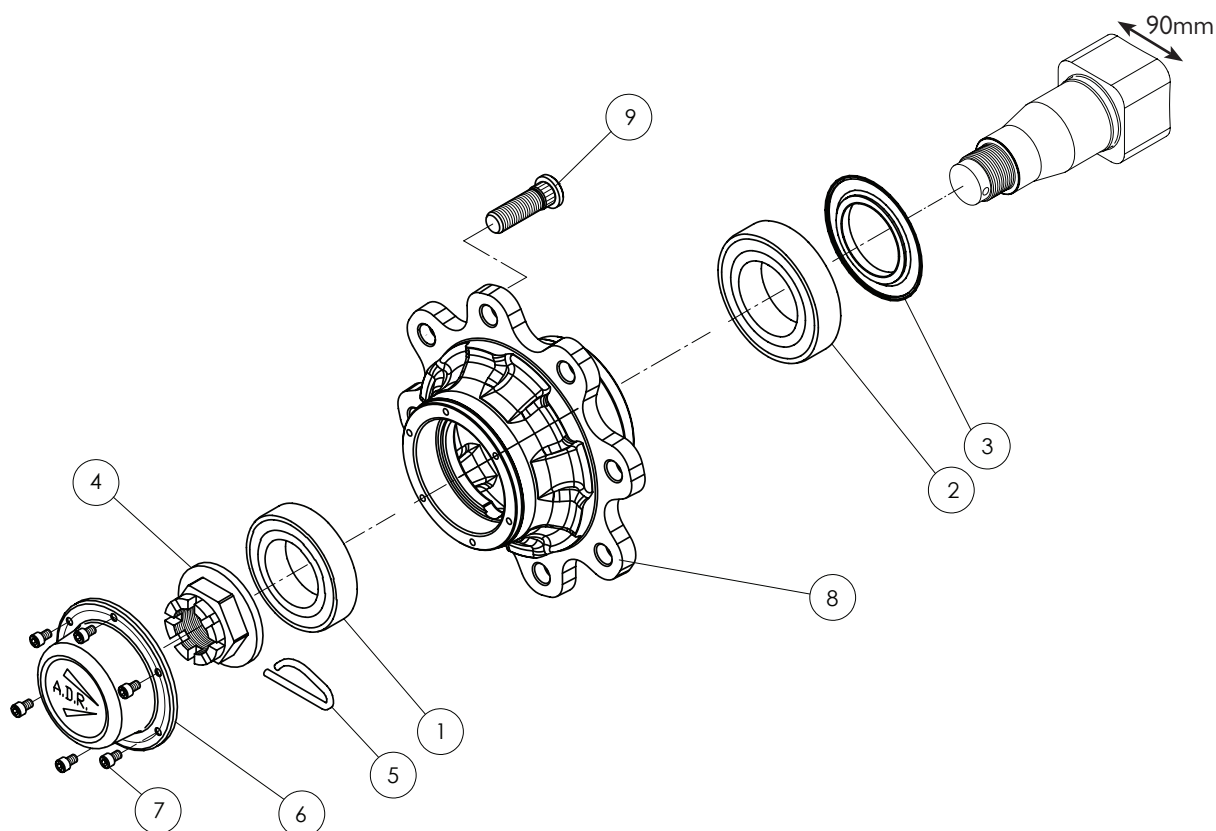
## Steering Axle Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
17	GA4535570	Wheel Speed Sensor Disc For Steering (36 Instances)	2
18	GA4583065	Link Rod Steering Axle Sensor	1
19	GA5000835	Valve, Ball, Hydraulic, 1/2" female thread inlet / outlet	2
20	GA5052725	Rod End 6mm female	2
21	24MK3CS011M	Crush tube for ram TILT replacement links	8
22	GA5004437	Washer 6mm Flat SS	4
23	GA5048115	Nut M6 Nyloc ZP	2
24	GA5000351	Bolt M12 x 75 ZP GR8.8	8
25	GA5012461	Nut M12 Nyloc ZP	8
26	GA5065045	Ball joint, Inline, M24 x 1.5 pitch x M22 x 1.5 pitch	2
27	GA5011341	Nut M24 x 1.5 Pitch Hex Lock ZP	2
28	GA5076542	38412-1 Sensor, prox SPD, 16-40004	2
29	GA5047668	Sensor, angle of rotation, Smart steer axle, Bosch	1
30	GA5001567	Bolt M20 x 75 ZP GR8.8	2
31	GA5004073	Bolt M6 x 25 ZP GR8.8	2
32	GA5011367	SHCS M4 x 30 ZP GR12.9	4
33	GA5020510	Washer 4mm Flat SS	4
34	GA5049025	Nut M4 Nyloc SS	4
35	GA3500269	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPT male, S50-040404	1
36	GA5018323	Valve, Ball, 1/4" male / female thread inlet / outlet, SS, Lever handle	2
37	GA5001709	Nut M20 Coarse Hex ZP	2
38	GA3500223	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPT male, S27-0808	4
39	GA5012203	Grease nipple, Short, 1/4" UNF	2
40	GA5049030	Nut M6 Hex SS	2
41	GA5065041	Ball joint, Right angle, M28 x 1.5 thread	2
42	GA4572156	Tie rod, For 2m standard front axle, M24 to M28 x 130mm long	2
43	GA4572170	Lock nut, M28 x 1.5P, Suit tie rod end	2
44	GA5003577	Bolt M5 x 16 ZP GR8.8	2

## Hub - 90 Series

Complete 90 Series Hubs/Stub Axles Available  
Part No GA5018119

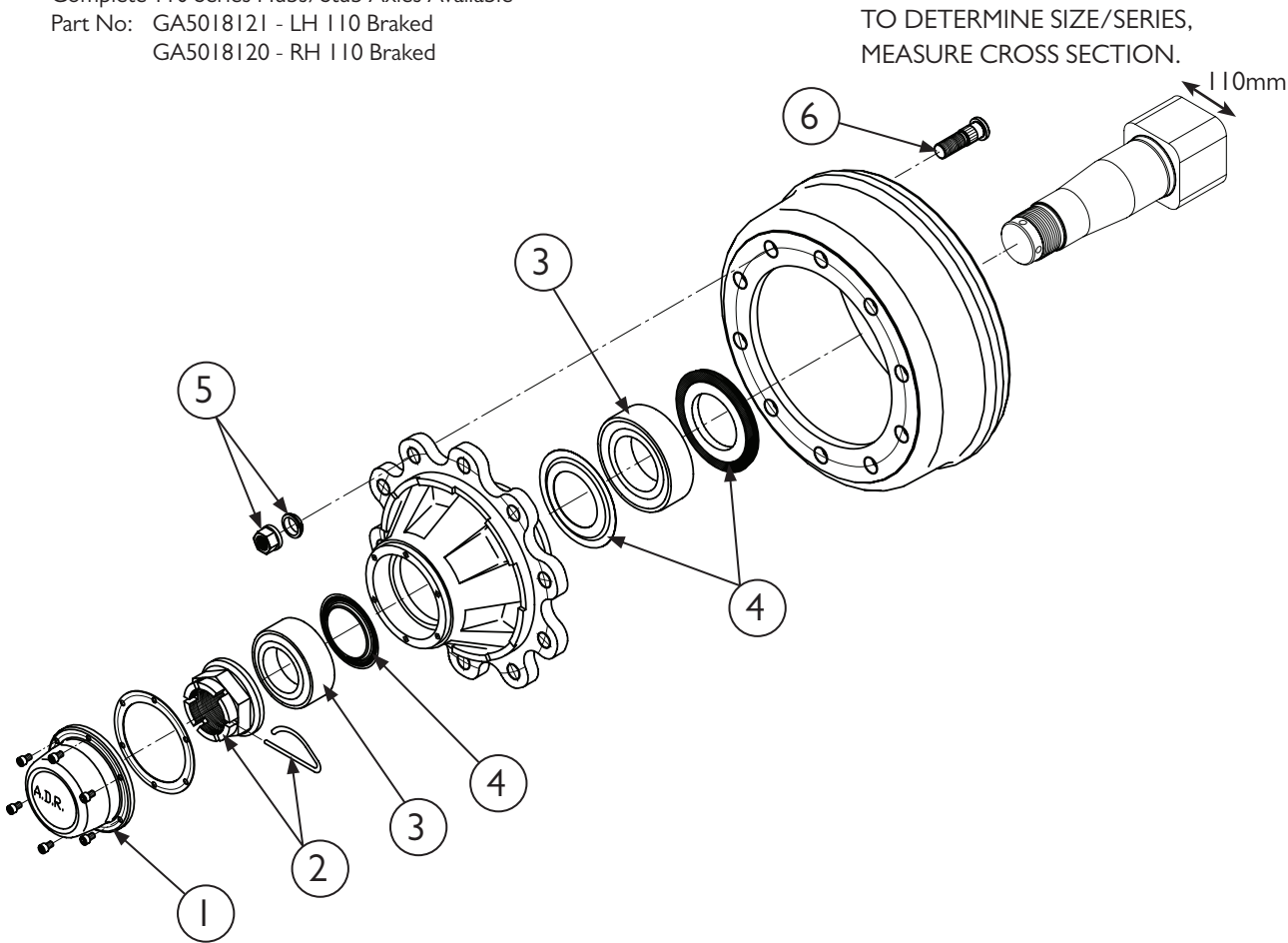
TO DETERMINE SIZE/SERIES,  
MEASURE CROSS SECTION.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5052200	Bearing 32213	1
2		Bearing 32216	1
3	GA5066405	Oil Seal	1
4	GA5052190	Crown Nut	1
5		Spring Pin	1
6	GA5052120	Cap with Gasket	1
7		SHCS M8 x 1.25P	6
8		Hub, 10 holes 335 PCD	1
9	GA5052205	90 Series ADR Stud Kit	

# Hub - 110 Series Braked

Complete 110 Series Hubs/Stub Axles Available  
Part No: GA5018121 - LH 110 Braked  
GA5018120 - RH 110 Braked



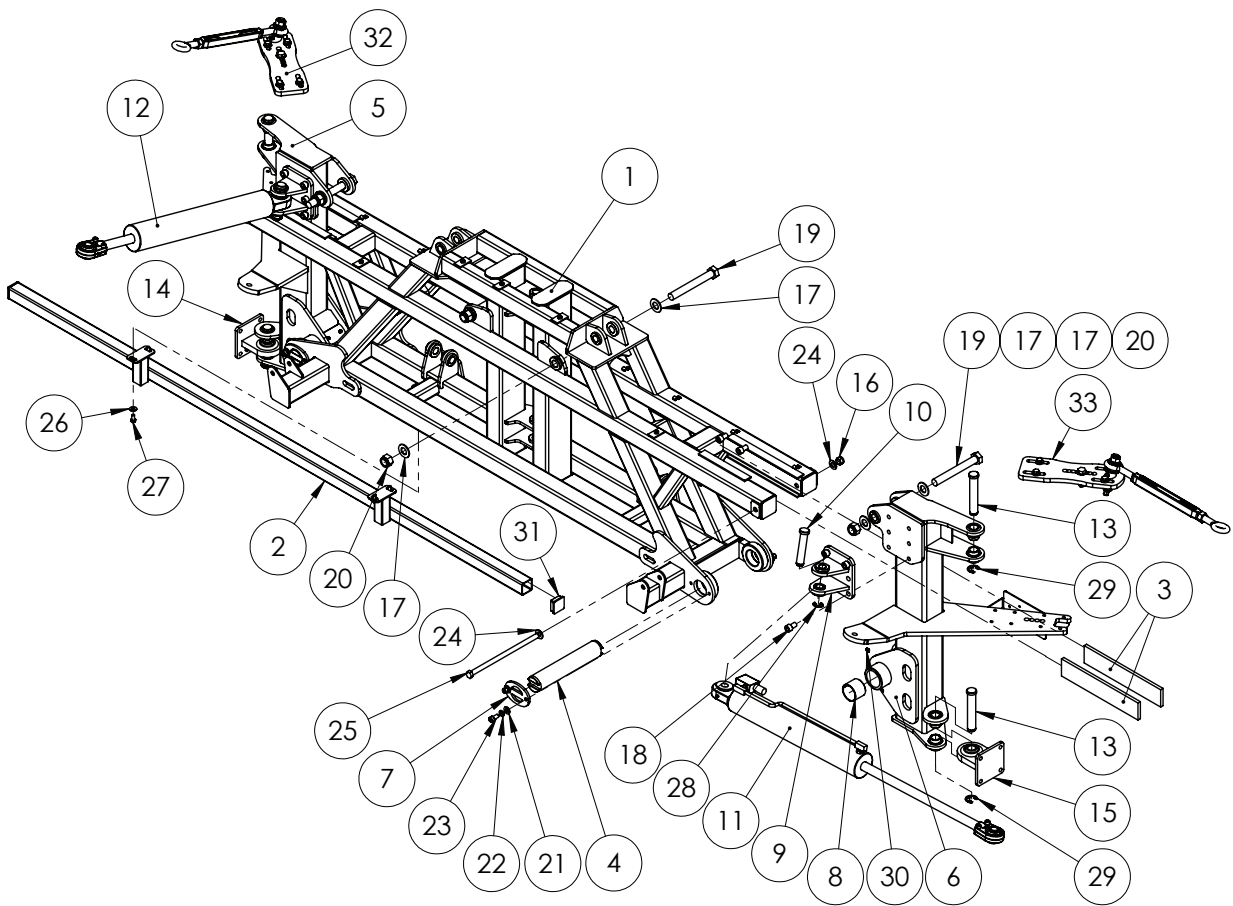
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5052145	ADR 110 Series Cap Kit	1
2	GA5051240	Set Screw 1/4" x 1 1/4" UNC ZP GR8	1
3	GA5051235	Cable Tie 700 x 9mm	1
4	GA5051230	CSCS M5 x 16 Countersink SS	1
5	GA5052165	Wheel nut kit, Suit 90 / 110 series stub axle, ADR	1
6	GA5052125	ADR 110 Series Stud Kit (Braked)	1



# Chapter 13

## BOOM CENTRE

### Boom Centre Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658120	Centre Section, TriTech, MYII on	1
2	GA4658145	Spray bar suit 2011 center section	1
3	GA5075090	Wear pad, 380 x 74 x 12mm, Polystone	4
4	GA4572365	Tilt pin suit MYII centre section	2
5	GA4658125	Tilt arm suit 2011 center Right hand	1
6	GA4658130	Tilt arm suit 2011 center Left hand	1
7	GA4502280	Pin retainer	4
8	GA5075060	Glacier bush 60mm ID 50mm long	4
9	GA4653316	Boom centre 2011 24m fold ram mount 1" inch	2
10	GA4572200	Pin, 1" diameter x 132.4mm long, With shoulder and circlip groove	2

Continued over page

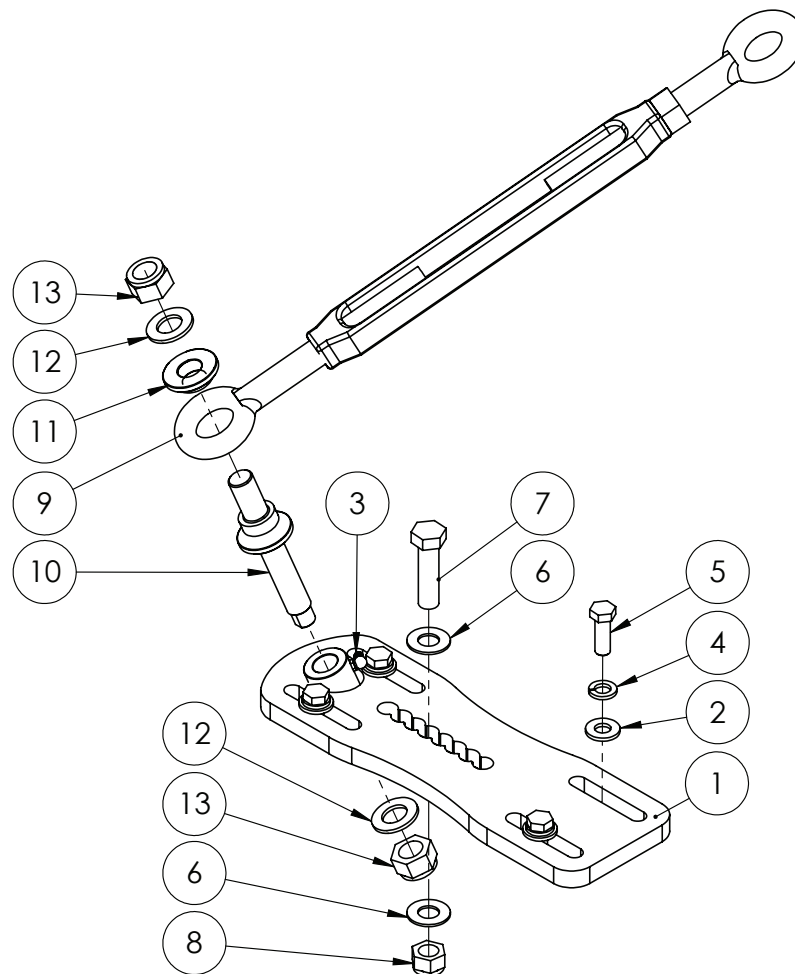


## Boom Centre Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
11	GA5018542	Hydraulic Cylinder, External phasing, 3.25" bore x 1.25" rod x 18" stroke	1
12	GA5018538	Hydraulic cylinder, 3" bore x 1.25" rod x 18" stroke, external phasing (single phase only)	1
13	L003A	Pin, 1 1/8" x 170mm, with circlip groove	4
14	GA4656200	Rose end, Bolt on, RH, Suit 24 - 36m boom	1
15	GA4656201	Rose end, Bolt on, LH, Suit 24 - 36m boom	1
16	GA5001029	Nut M16 Nyloc ZP	2
17	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	8
18	GA5000905	SHCS M16 x 25 ZP GR8.8	12
19	GA5006151	Bolt 1" UNF x 8" x 12 TPI ZP GR8	4
20	GA5012445	Nut 1" UNF 14 tpi Nyloc ZP	4
21	GA5000587	Washer 12mm Flat ZP Heavy Duty	8
22	GA5000575	Washer 12mm Spring SS	8
23	GA5000297	SHCS M12 x 25 ZP GR12.9	8
24	GA5001009	Washer 16mm Flat ZP Heavy Duty	4
25	GA5075125	Bolt M16 x 325, 60 mm of thread, GR4.4 ZP	2
26	GA5000117	Washer 10mm Flat SS Heavy Duty	4
27	GA5006113	Bolt M10 x 20 ZP GR8.8	4
28	GA5001223	Circlip, 19mm, E type, zinc plated	2
29	GA5001883	Circlip, E type, 24mm, zinc plated	4
30	GA5012203	Grease nipple, Short, 1/4" UNF	4
31	GA5003783	End cap, Insert, Black, Plastic, 50 x 50 mm	2
32	GA4922220	Cable Mount Rear, angle fold, Right, 24-36m MY13	1
33	GA4922225	Cable Mount Rear, angle fold, Left, 24-36m MY13	1

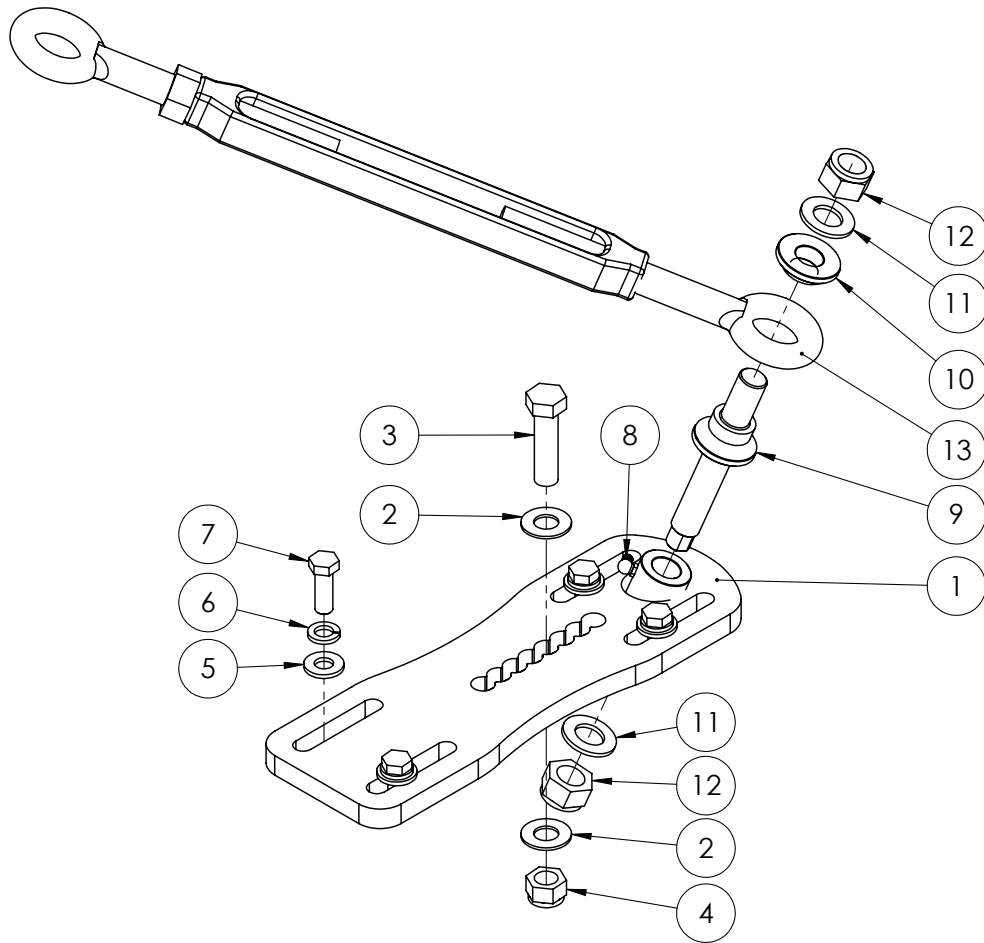
SHIMS AVAILABLE	
Fold Ram Mount Shims	
GA4513041	Shim, TriTech Fold ram, 20mm, Suit 4 bolt
Boom Pivot Shims	
GA4535360	Shim, 5mm, Delta boom rose joint
GA4535355	Shim, 3mm, Delta boom rose joint
GA4535285	Shim, 1mm, Lower rose end, Delta boom

## Cable Mount - Rear LH



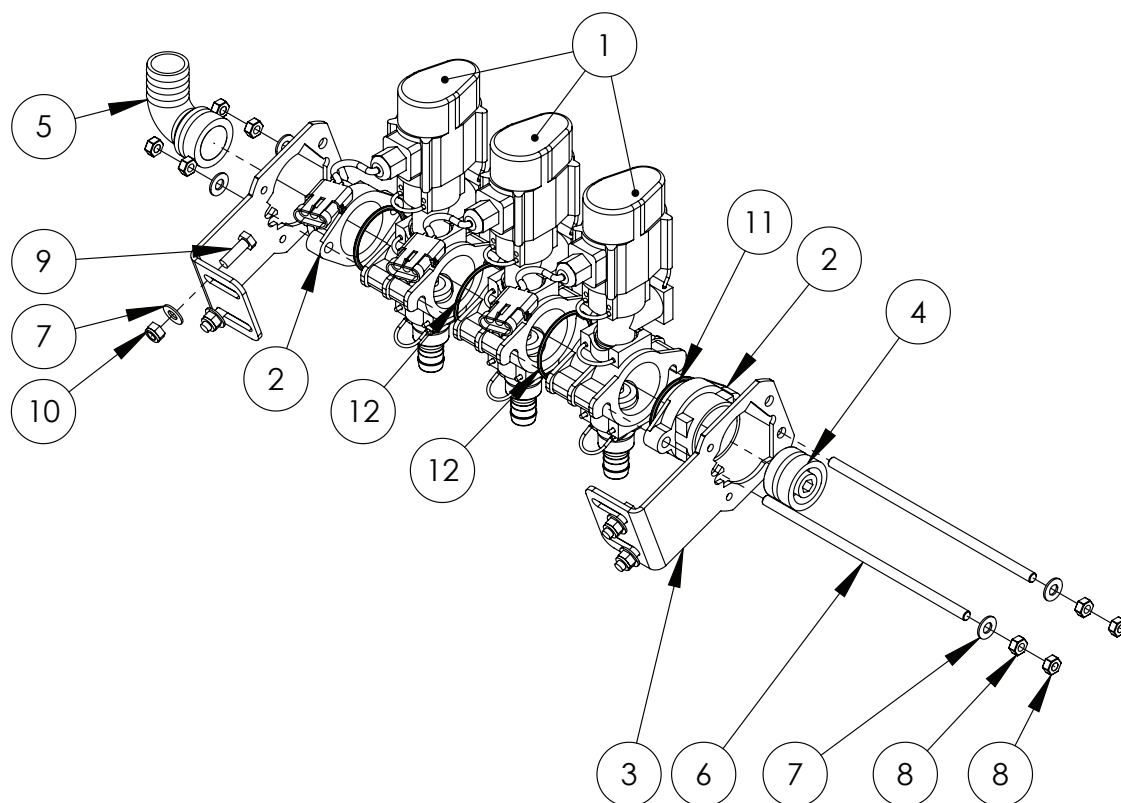
ITEM NO	PART NUMBER	DESCRIPTION	QTY.
1	GA4656255	Slide plate, Boom cable adjuster, Left side, Prairie TriTech boom	1
2	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
3	GA5009639	Grease nipple, Long, 1/4" UNF male thread, 1 1/8" long	1
4	GA5000575	Washer 12mm Spring SS	4
5	GA5000311	Set screw, M12 x 35, ZP GR 8.8	4
6	GA5001009	Washer 16mm Flat ZP Heavy Duty	2
7	GA5000939	Bolt M16 x 60 Black GR8.8	1
8	GA5001029	Nut M16 Nyloc ZP	1
9	GA5017061	Turnbuckle, Eye ends, M22 thread & lock nut, Galvanised	1
10	GA4572510	Pivot pin, Boom cable MY13	1
11	GA4572515	Boom cable retainer, Pivot pin MY13	1
12	GA5001739	Washer 20mm Flat Heavy Duty SS	2
13	GA5048125	Nut M20 Nyloc Coarse ZP	2

## Cable Mount - Rear RH



ITEM NO	PART NUMBER	DESCRIPTION	QTY.
1	GA4656250	Slide plate, Boom cable adjuster, Right side, Prairie TriTech boom	1
2	GA5001009	Washer 16mm Flat ZP Heavy Duty	2
3	GA5000939	Bolt M16 x 60 Black GR8.8	1
4	GA5001029	Nut M16 Nyloc ZP	1
5	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
6	GA5000575	Washer 12mm Spring SS	4
7	GA5000311	Set screw, M12 x 35, ZP GR 8.8	4
8	GA5009639	Grease nipple, Long, 1/4" UNF male thread, 1 1/8" long	1
9	GA4572510	Pivot pin, Boom cable MY13	1
10	GA4572515	Boom cable retainer, Pivot pin MY13	1
11	GA5001739	Washer 20mm Flat Heavy Duty SS	2
12	GA5048125	Nut M20 Nyloc Coarse ZP	2
13	GA5017061	Turnbuckle, Eye ends, M22 thread & lock nut, Galvanised	1

## Boom Valve Assembly



ITEM NO	PART NUMBER	DESCRIPTION	QTY.
1	GA5065515	Boom valve, Single, AS24, 3 wire, 3 pin AMP connector, Altek	3
2	GA5065810	End cap, Altek boom valve	2
3	GA5065800	Altek boom valve mounting bracket	2
4	GA5065680	Plug, AS40 male, Altek	1
5	GA5065620	Hose barb, Elbow, 90 degree, AS40 x 33mm hose barb, Altek	1
6	GA5065805	Connecting rod suit 3 bank (303 SS)	2
7	GA5004883	Washer 8mm Flat ZP Heavy Duty	12
8	GA5011499	Nut M8 Hex ZP	8
9	GA5004711	Bolt M8 x 25 ZP GR8.8	4
10	GA5004917	Nut M8 Nyloc ZP	4
11	GA5048385	O ring, 42.5 x 2.62, BSI 31, suit 2" hose barb	2
12	GA5012507	O-Ring 55.25 x 2.62	2

GA5065805 3 Section connecting rod

GA4562055 4 Section connecting rod

GA4562125 5 Section connecting rod

GA4562050 6 Section connecting rod

GA4562045 7 Section connecting rod

GA4562040 8 Section connecting rod

GA5065740 3 Section Boom Valves

GA5065741 4 Section Boom Valves

GA5065704 5 Section Boom Valves

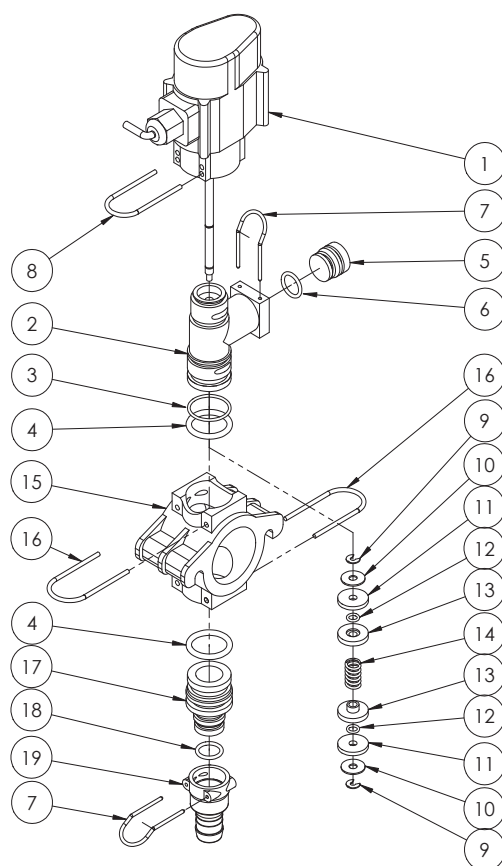
GA5065705 6 Section Boom Valves

GA5065706 7 Section Boom Valves

GA5065710 8 Section Boom Valves

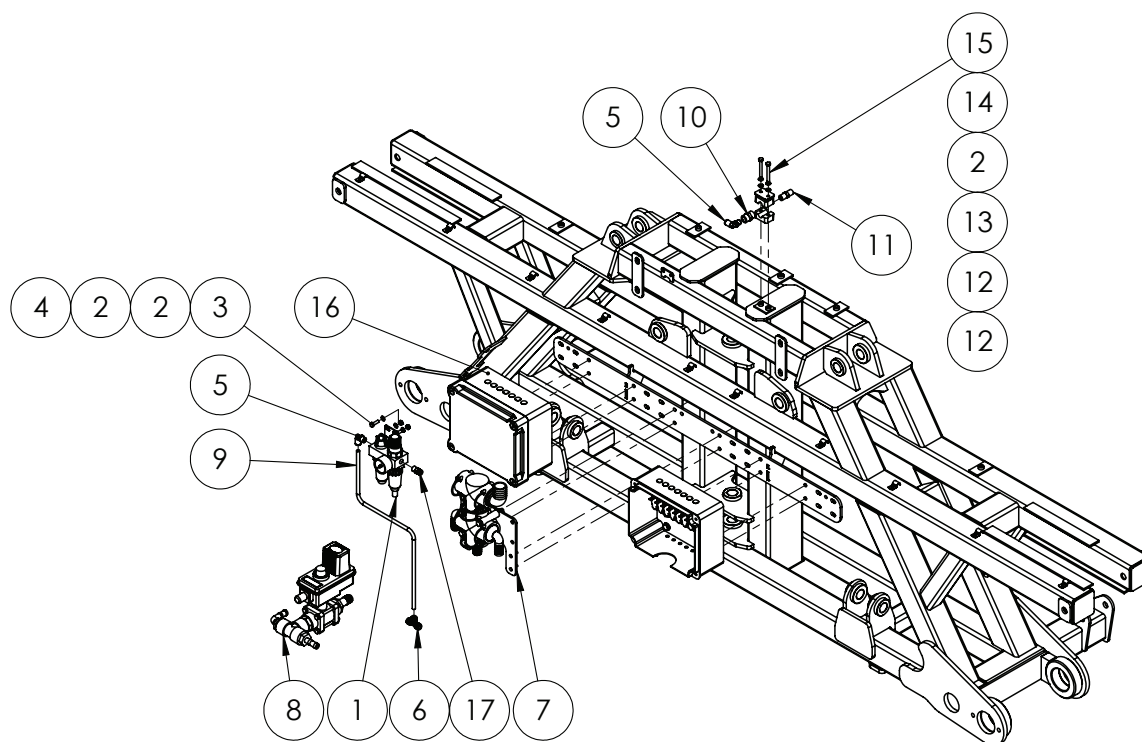
Note: Boom valve assemblies do not come with plumbing fittings.

## Boom Valves



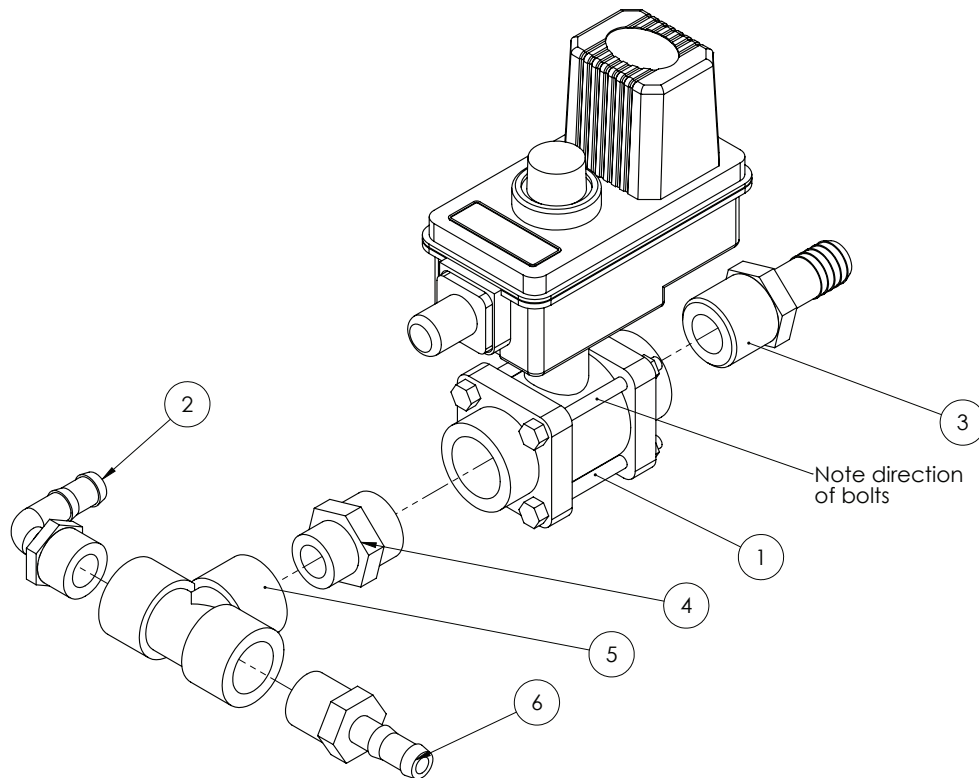
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA2000267	Valve body, Boom Valve, Altek, 80364	1
2	GA5065515	Tee body	1
3	GA5053510	O-ring 30 x 2mm fmp 75	1
4	GA5065830	O-ring 30 x 4mm fmp 75	2
5	GA2000268	Plug, AS24, Altek, 80376	1
6	GA5065840	O ring, 18.0 x 2.5	1
7	GA5065695	AS24 Safety Pin	2
8	GA5073780	Retaining pin, 4 x 26 mm, Quick fit flip top valve, Altek, 47825	1
9	GA5054650	Circlip, Boom Valve, Altek, 80014	2
10	GA5054640	Washer, 17.8 x 6.1 x 1 mm, Boom Valve, Altek, 80323	2
11	GA5054645	Rubber Plunger Seal, Boom Valve, Altek, 80004	2
12	GA5053515	O-ring, seal, 4.34 x 3.53 mm, FPM75, suit boom valve, Altek, 80414	2
13	GA2000264	Plunger spring cap, Boom valve, Altek, 80005	2
14	GA2000265	Plunger spring, Boom valve, Altek, 80322	1
15	GA5065825	Manifold	1
16	GA5065701	Safety pin AS30	2
17	GA5065835	Plug in hose tail AS30/AS24	1
18	GA5065820	O ring, 38 x 3, Suits AS40 plumbing fittings	1
19	GA5065640	Female Hose AS24/20	1

## Rapid Fire Valves



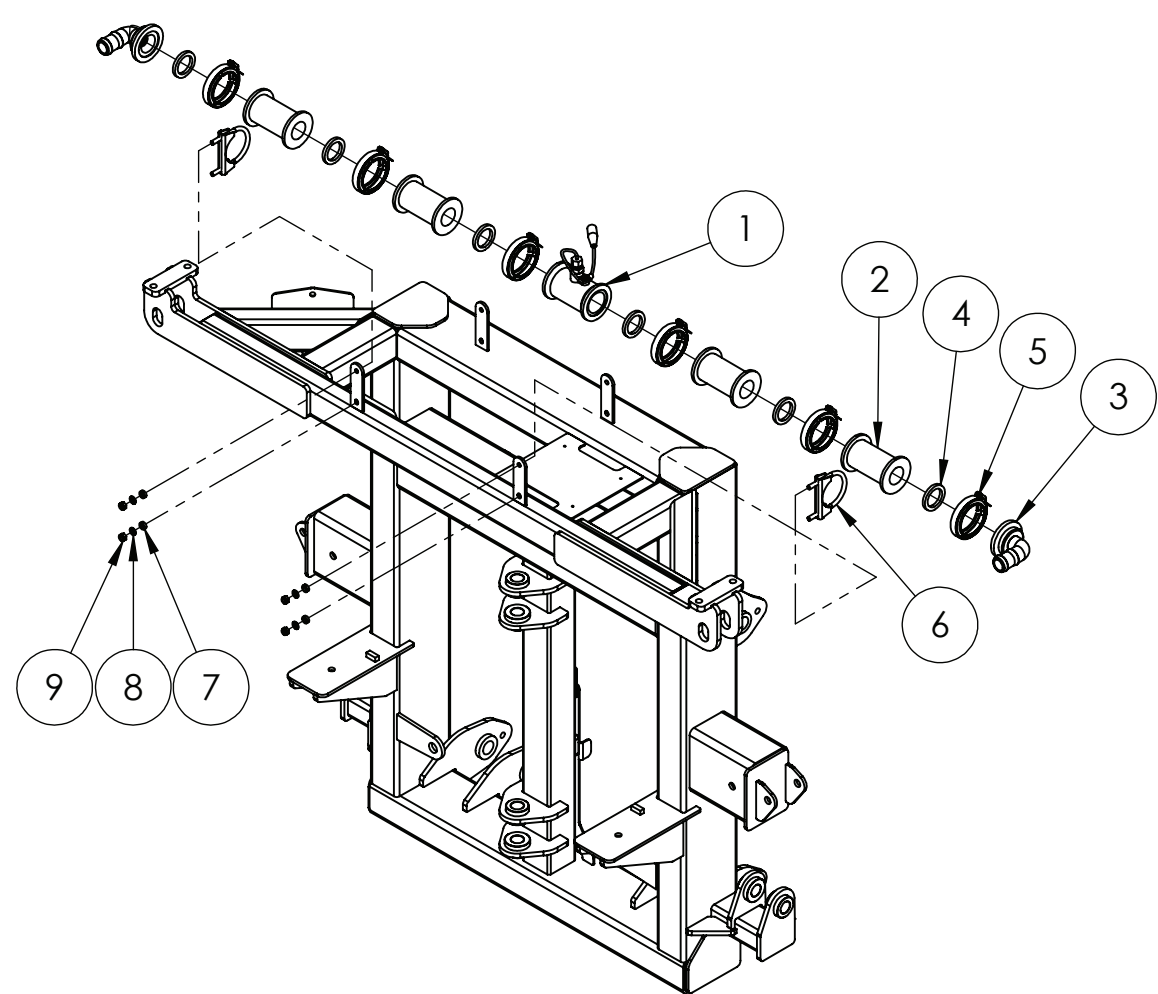
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5068806	Pneumatic Mini Filter Oiler and Regulator	1
2	GA5004437	Washer 6mm Flat SS	6
3	GA5004065	Bolt M6 x 20 ZP GR8.8	2
4	GA5048115	Nut M6 Nyloc ZP	2
5	GA5052690	Elbow Swivel push in 8mm x 1/4" BSP	2
6	GA5067010	Equal Tee push in 8mm	1
7	GA4905625	RapidFire Pressure Flow Distributer Assembly	1
8	GA4905630	RapidFire Boom Recirc Return To Tank Valve Assembly	1
9	GA5004382	Tube, Nylon, 8mm, Black	1
10	GA3500211	Hydraulic adaptor, Socket, 1/4" BSPT female x 1/4" BSPT female, S26-0404	1
11	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male, S27-0404	1
12	GA5078058	Mounting clamp, Single type, Jaw, Pair, Group 2, 14mm, RCS-14J	2
13	GA5078068	Mounting clamp, Single type, Plate, Top, Group 2, RCS-2PT	1
14	GA5004447	Washer, 6mm, Spring, SS	2
15	GA5011419	Bolt M6 x 50 SS	2
16	GA4905615	RapidFire 7 section solenoid box Assembly	2
17	GA5052695	Straight adapter push in 8mm x 1/4" BSP	1

## Boom Recirc Return To Tank Valve



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077317	Valve, Ball, Electric shut off, 2 way, 1 female inlet & outlet, Yellow indicator, Teejet, B344BEC-24-C	1
2	GA5077710	Hose barb, Elbow, 90 degree, 3/4 male thread x 1/2 hose, Banjo, HB075/050-90	1
3	GA5077721	Hose barb, Straight, 1 male thread x 3/4 hose, Banjo, HB100-075	1
4	GA5078089	Nipple, Reducing, Poly, 1" x 3/4" Thread, Banjo, RNI00075	1
5	GA5078150	Tee, Threaded, 3/4 female, Banjo, TEE075	1
6	GA5077713	Hose barb, Straight, 3/4 male thread x 1/2 hose, Banjo, HB075-050	1

# Flow Meter Assembly

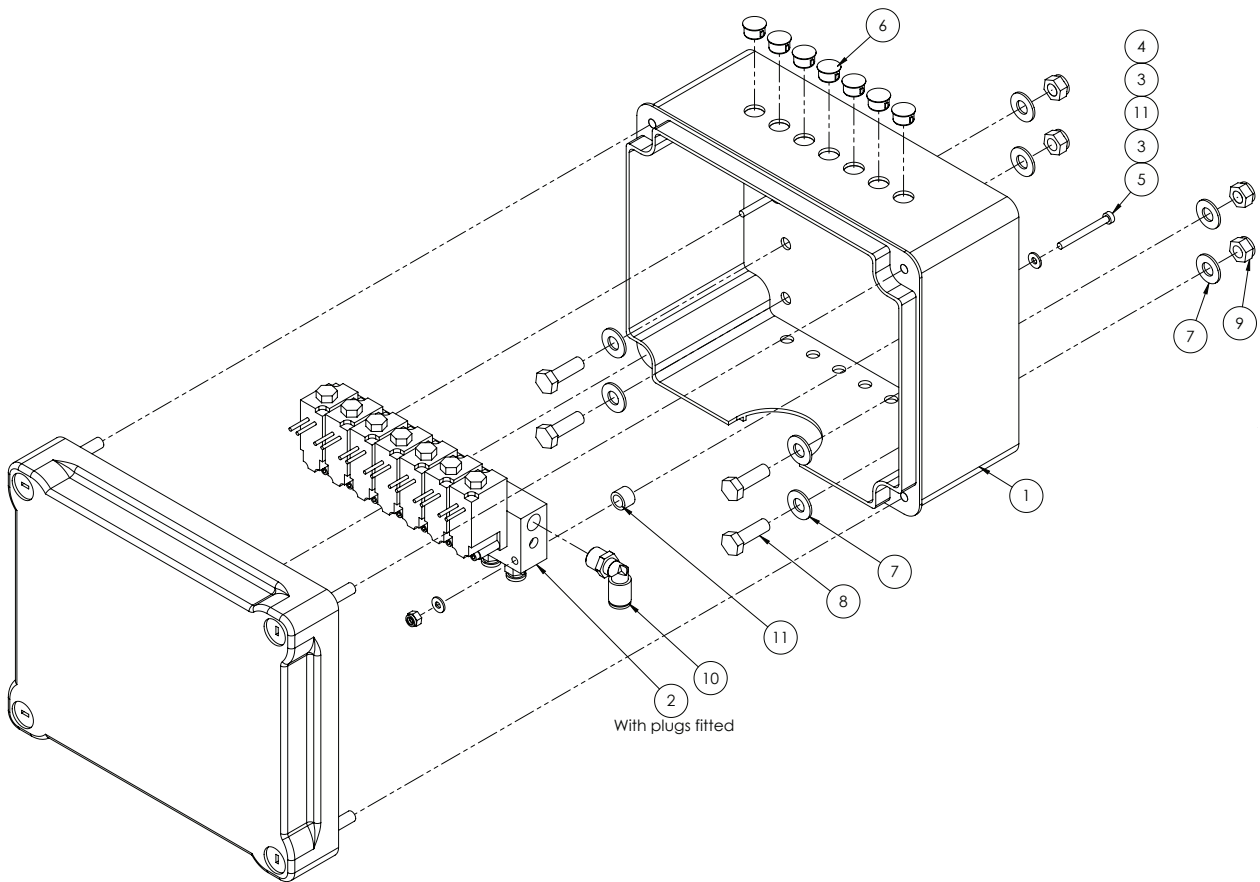


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075873	Flowmeter, RFM60P, Raven, 0630171793	1
2	GA5077840	Plumbing coupling, Straight, 2 flange x 2 flange x 4 1/2 long, Banjo, M200CPG	4
3	GA5077831	Hose barb, Elbow, 90 degree, 2 flange x 1 1/4 hose, Banjo, M200125BRB90	2
4	GA5009335	Seal, 41.5 ID x 55 OD x 6.5mm thick, EPDM, suit 1 1/2" flange	6
5	FC200	Clamp, Worm screw, Use with 2" standard flange port	6
6	GA5006689	Clamp Exhaust 2 5/8" (C12)	2
7	GA4552080	Crush tube, 10.2 ID x 15 OD x 5mm long	4
8	GA5003643	Washer 8mm Flat SS Heavy Duty	4
9	GA5052590	Nut M8 Nyloc SS	4

FLOW METER PARTS	
GA5075873	Flowmeter, RFM60P, Raven
1060159514	Body, molded RFM60P flowmeter
GA5075868	Sensor, External Flow Meter, Raven

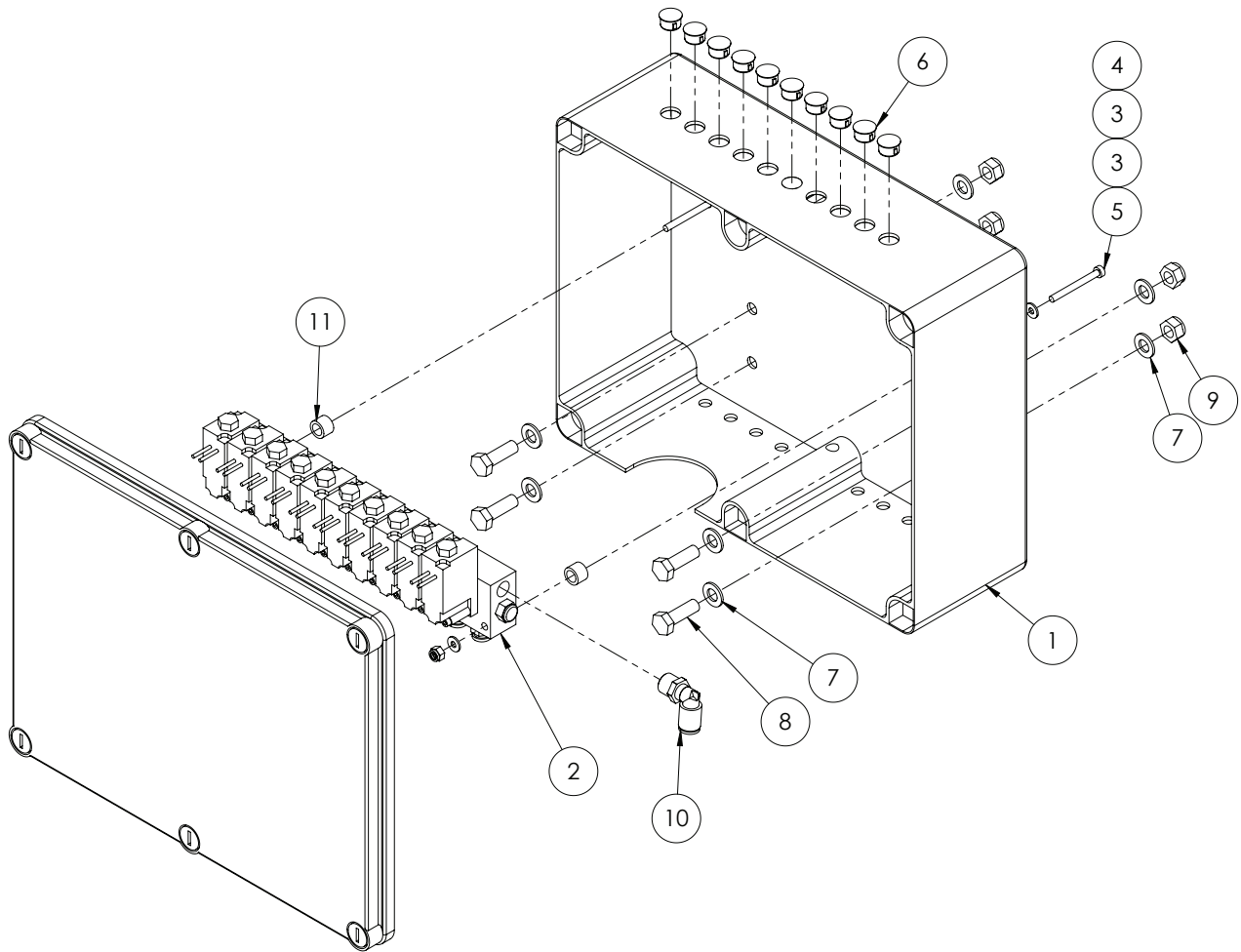


## RapidFire Solenoid Box



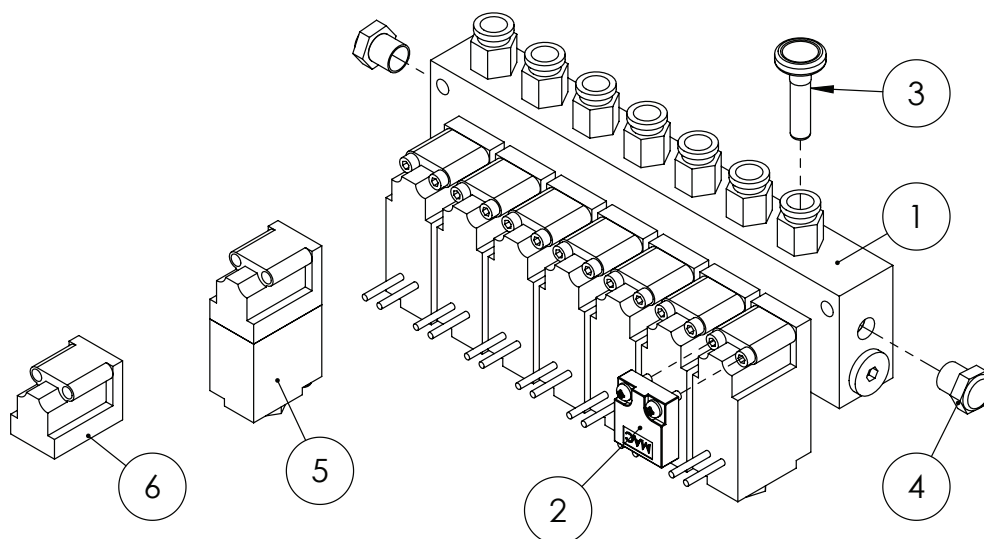
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054085	Box plastic electrical 241 x 194 x 127	1
2	GA5068807	Valve, pneumatic MAC solenoid 7 section bank, suit rapid fire, 6mm outlets, 8mm inlet with Weatherpak Plugs	1
3	GA5020510	Washer 4mm Flat SS	4
4	GA5049025	Nut M4 Nyloc SS	2
5	GA5049800	SHCS M4 x 40 ZP GR12.9	2
6	GA5048780	Dome plug 12mm	7
7	GA5003643	Washer 8mm Flat SS Heavy Duty	8
8	GA5004711	Bolt M8 x 25 ZP GR8.8	4
9	GA5052590	Nut M8 Nyloc SS	4
10	GA5052690	Elbow Swivel push in 8mm x 1/4" BSP	1
11	GA4572280	Crush tube, 11.8 OD x 8 ID x 8.5mm long	2

## RapidFire 10 Section Solenoid Box



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054090	Box plastic electrical 310 x 240 x 110mm	1
2	GA5070630	Pneumatic solenoid bank 10 section, bare wires, 6mm outlets, 8mm inlet	1
3	GA5020510	Washer 4mm Flat SS	4
4	GA5049025	Nut M4 Nyloc SS	2
5	GA5049800	SHCS M4 x 40 ZP GR12.9	2
6	GA5048780	Dome plug 12mm	7
7	GA5003643	Washer 8mm Flat SS Heavy Duty	8
8	GA5004711	Bolt M8 x 25 ZP GR8.8	4
9	GA5052590	Nut M8 Nyloc SS	4
10	GA5052690	Elbow Swivel push in 8mm x 1/4" BSP	1
11	GA4572280	Crush tube, 11.8 OD x 8 ID x 8.5mm long	2

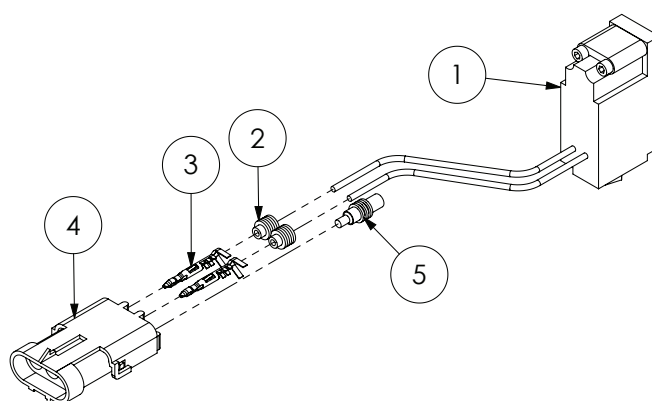
## Rapid Fire Solenoid Valves



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5068805	Valve, Pneumatic solenoid, 7 section bank, Suit rapid fire, bare wires, 6mm outlets, 8mm inlet, MAC	1
2	GA5054440	MAC Blanking Plate Manifold	1
3	GA5004405	Plug, Push in, 6mm	1
4	GA5054435	MAC 1/8" BSP Flat Silencer	2
5	GA5054432	Valve, MAC 35A 3/2 Manifold. Valve 12 VDC 5.4W Viton with Weatherpak 3 Pin Plug	1
6	GA5054431	Valve, MAC 35A replacement valve only no solenoid, includes bolts and viton seal, blue	1

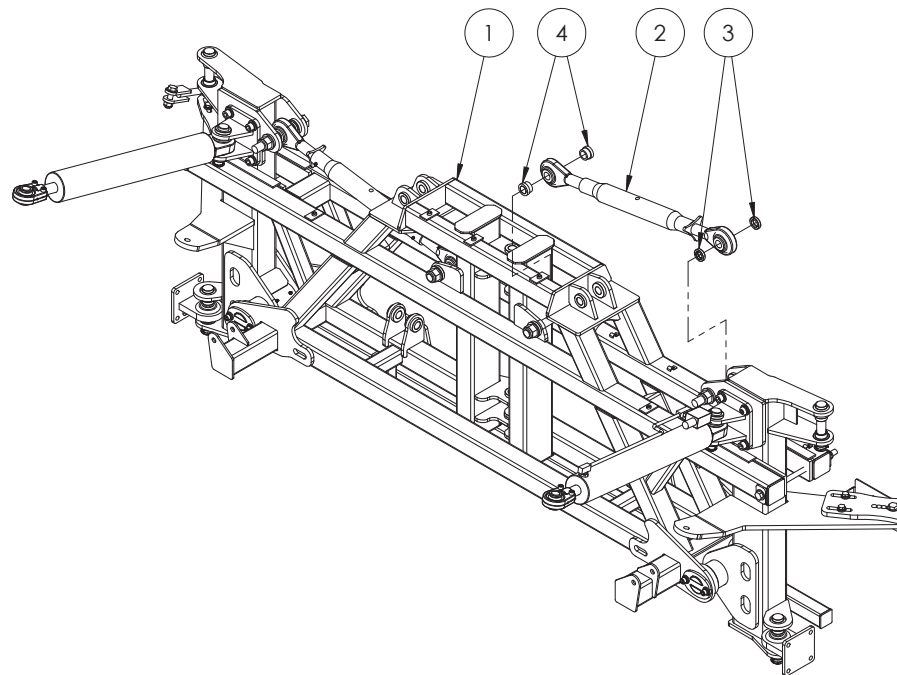
\*Note: Quantities will vary depending on number of sections optioned.

## Single Solenoid Valve



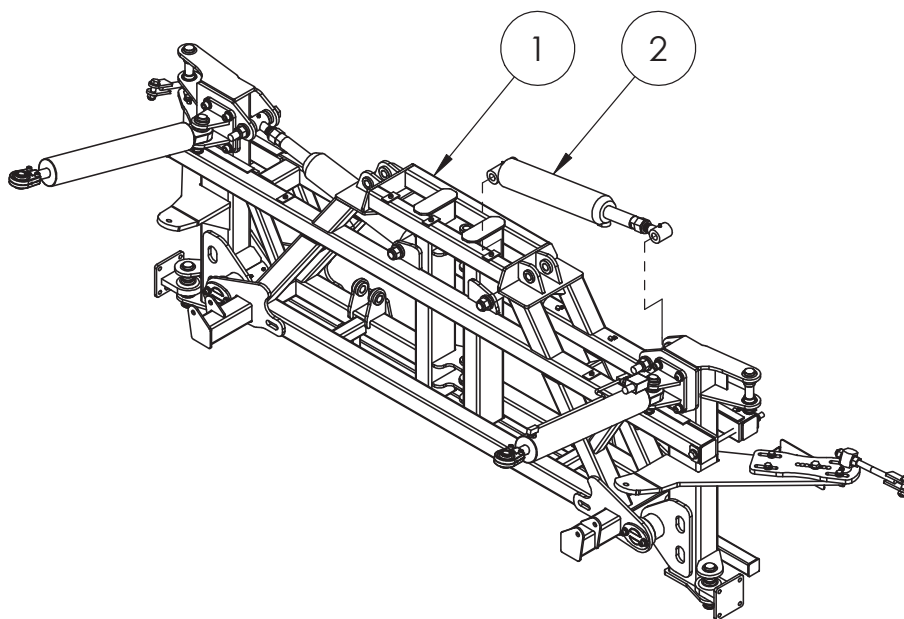
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054430	Solenoid valve, MAC 3/2 pneumatic, Viton seals, 12V, Bare wires	1
2	GA5014857	Seal, Green, Weather pack connector, Wire from 2.03 - 2.85mm	2
3	GA5016617	Pin, Male, Sealed, Weather pack, Wire 1.0 - 2.0mm	2
4	GA5048550	Connector, Female, 3 Pin, Weather pack	1
5	GA5050245	Seal, Cavity blanking plug, Weather pack connector	1

## Centre With Tilt Replacement Links



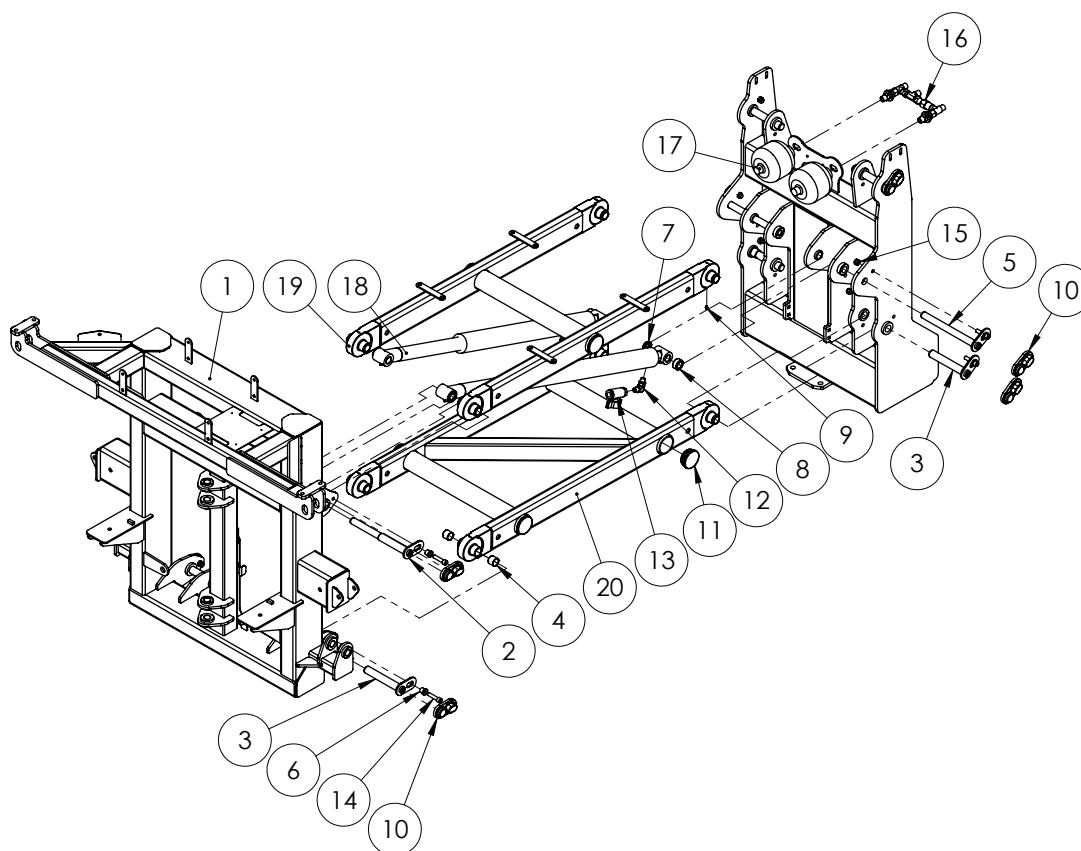
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4922195	Boom centre 201 I Base assembly	1
2	GA5075135	Tilt cylinder replacement adjustable top link (black)	2
3	GA4572135	Spacer bush, 40 OD x 25.8 ID x 9mm thick, Paralift arm spacer	4
4	DB-ADJ-02	Bush, Short, 40 OD x 25.5 ID x 23.75mm long	4

## Centre With Tilt Cylinders



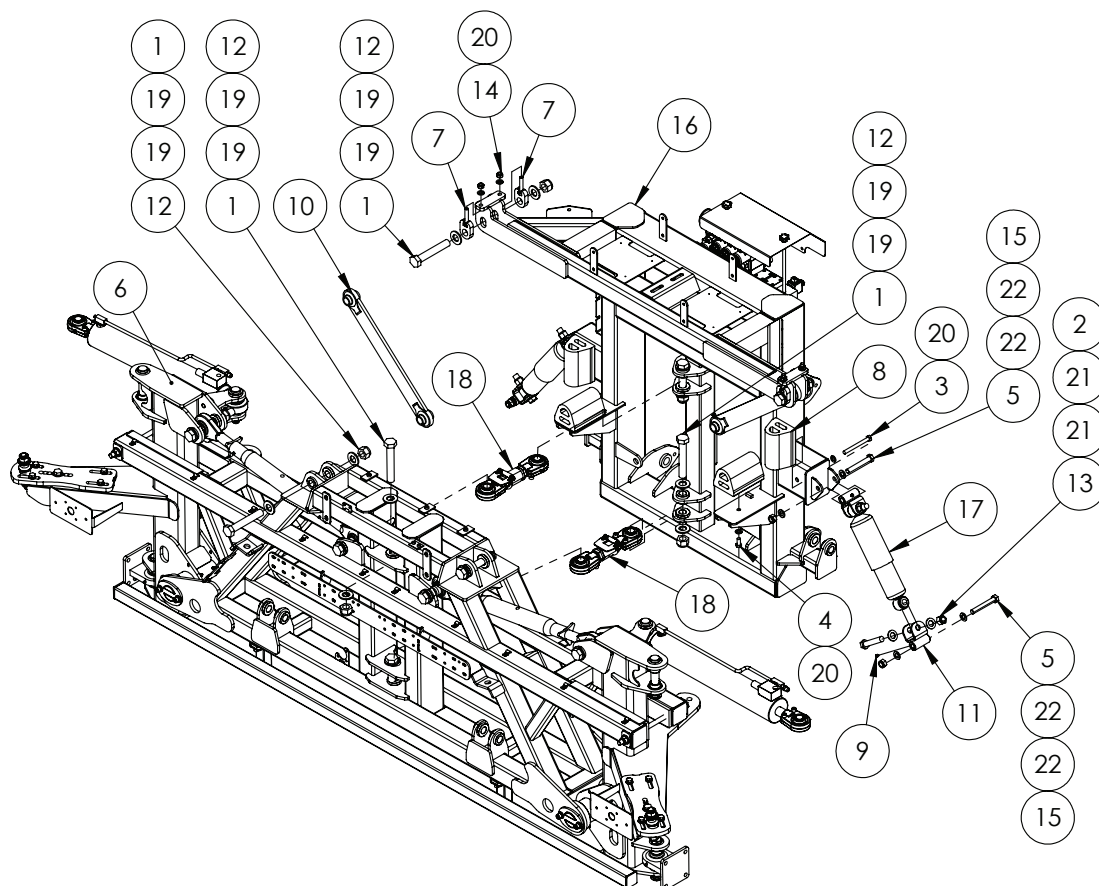
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4922195	Boom centre 201 I Base assembly	1
2	GA5065051	Hydraulic cylinder, 3.5" OD x 1.75" rod x 5" stroke	2

## Paralift & Paralift Arms



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658135	Paralift Rear, Suit MY11 Center	1
2	GA5066675	Pin with retaining plate, Stepped, 294mm Long	2
3	GA5066655	Pin with retaining plate, 28.575 OD x 180mm long	6
4	GA5065486	Glacier bush 1 1/8" x 1" long	16
5	GA5066645	Pin with retaining plate, 1" x 280mm long, Paralift chassis ram	2
6	MACH0152	Bush with shoulder, 12.3 ID x 25 OD x 21mm long	10
7	GA4572135	Spacer bush, 40 OD x 25.8 ID x 9mm thick, Paralift arm spacer	4
8	GA4562190	Spacer bush, 40 OD x 26 ID x 17.5mm long, Paralift arms	2
9	GA5050450	Grease nipple 6mm	8
10	GA5067885	Pin cover, Black, clip on, plastic	10
11	GA5050355	End cap, 76.1 mm round, suit 65 NB pipe, Black plastic	6
12	GA3500349	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" UN male O-ring, S89-0812	2
13	GA5000835	Valve, Ball, Hydraulic, 1/2" female thread inlet / outlet	2
14	GA5051470	SHCS M12 x 50 ZP GR12.9	10
15	GA5012461	Nut M12 Nyloc ZP	11
16	GA4903058	Pre-assembled accumulator manifold	1
17	GA5007787	Accumulator, Hydraulic, 1L, precharged to 70 bar	2
18	GA5070082	Hydraulic cylinder - 2.5" bore, 2" rod, 21" Stroke	2
19	GA4659305	Top Paralift Arm MY12	1
20	GA4659310	Bottom Paralift Arm MY12	1

## Complete Centre & Paralift

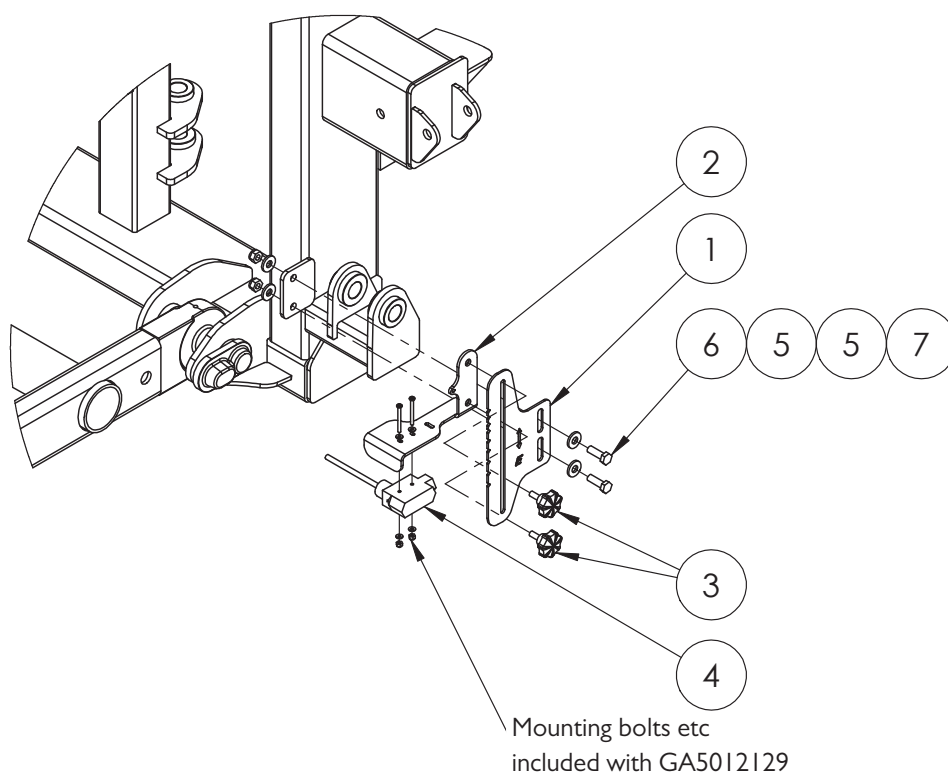


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4683145	Bolt 1 UNC x 6 cut down from 7	8
2	GA5049490	Bolt 3/4 UNC x 4 GR8 ZP	4
3	GA5000265	Bolt M12 x 120 GR8.8 ZP	2
4	GA5011229	Bolt M12 x 25 GR8.8 ZP	2
5	GA5000855	Bolt M16 x 110 GR8.8 ZP	4
6	GA4922195-CC	Boom centre 2011 base assembly suit Crop Cruiser	1
7	GA4656260	Adjuster bolt, Delta link hanger	4
8	GA5075240	Bump Stop Rubber with threaded insert	4
9	GA5012203	Grease Nipple, Short, 1/4 UNF, MACH0207	4
10	GA4656240	Delta link, Long	2
11	GA4658140	Mounting bracket, Single roll shock absorber, Tri Tech centre	4
12	GA5012439	Nut 1" Nyloc UNC ZP	8
13	GA5048430	Nut 3/4" Nyloc UNC ZP	4
14	GA5012461	Nut M12 Nyloc ZP	4
15	GA5001029	Nut M16 Nyloc ZP	4
16	GA4658135	Paralift Rear, Suit MY11 Center	1
17	GA5015139	Shock Absorber, Double eye, 19mm eye, 82mm OD, Black	2
18	DELTA-LINKSA	Delta link, short, heavy duty, adjustable, DELTA-LINKSA	2

Continued over page

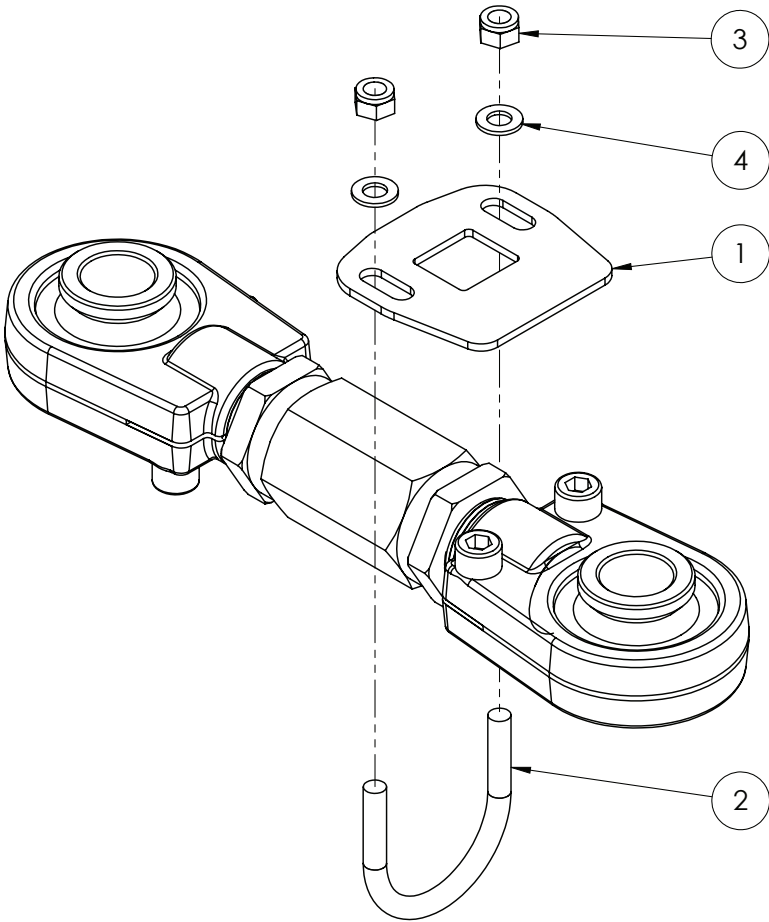
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
19	GA5017681	Washer 1 x 2 Flat SS	16
20	GA5000577	Washer M12 Flat SS HD	8
21	GA5001741	Washer M20 Flat SS HD	8
22	GA5069810	Washer, Nylon, 16 ID x 30 OD x 3 mm	8

## Lower Limit Switch



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4523965	EF Evo 2011 Boom Height Adjustment Bracket	1
2	GA4654161	Bracket mount Paralift Switch	1
3	GA5067080	Knob Bolt M8 x 20	2
4	GA5012129	Limit switch, Flexible arm, Micro, IP65, 10 Amp	1
5	GA5000117	Washer 10mm Flat SS Heavy Duty	4
6	GA5065455	Bolt M10 x 30 ZP GR8.8	2
7	GA5000141	Nut M10 Nyloc ZP	2

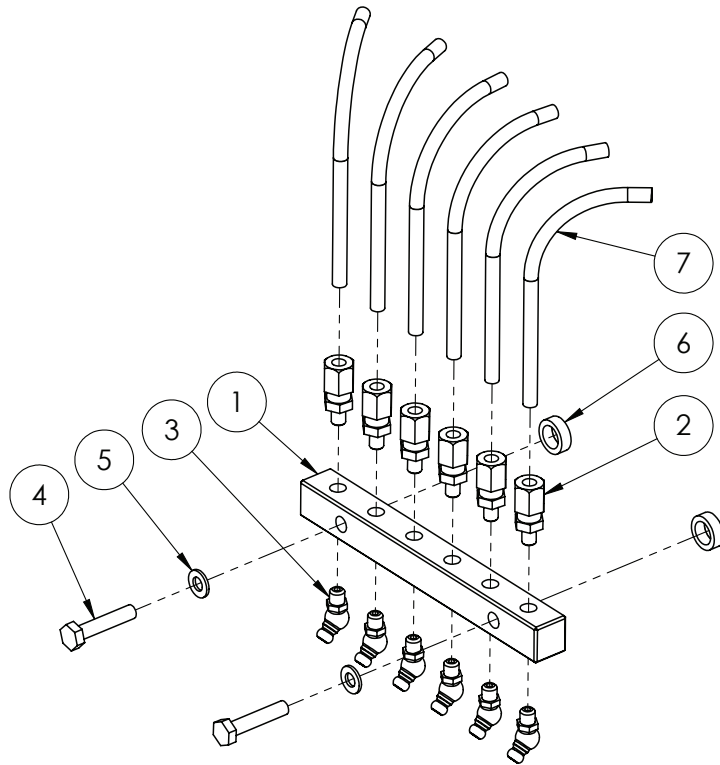
# Delta Link Locking Plate



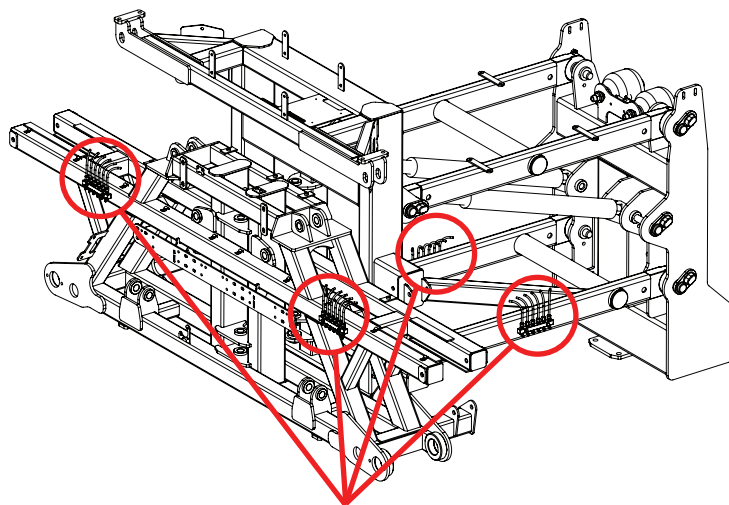
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4524140	Locking plate suit adjustable delta link SS	1
2	GA5018245	U bolt, Round top, M8 x 50 x 60mm	1
3	GA5052590	Nut M8 Nyloc SS	2
4	GA5003643	Washer 8mm Flat SS Heavy Duty	2



## Remote Manual Grease Station

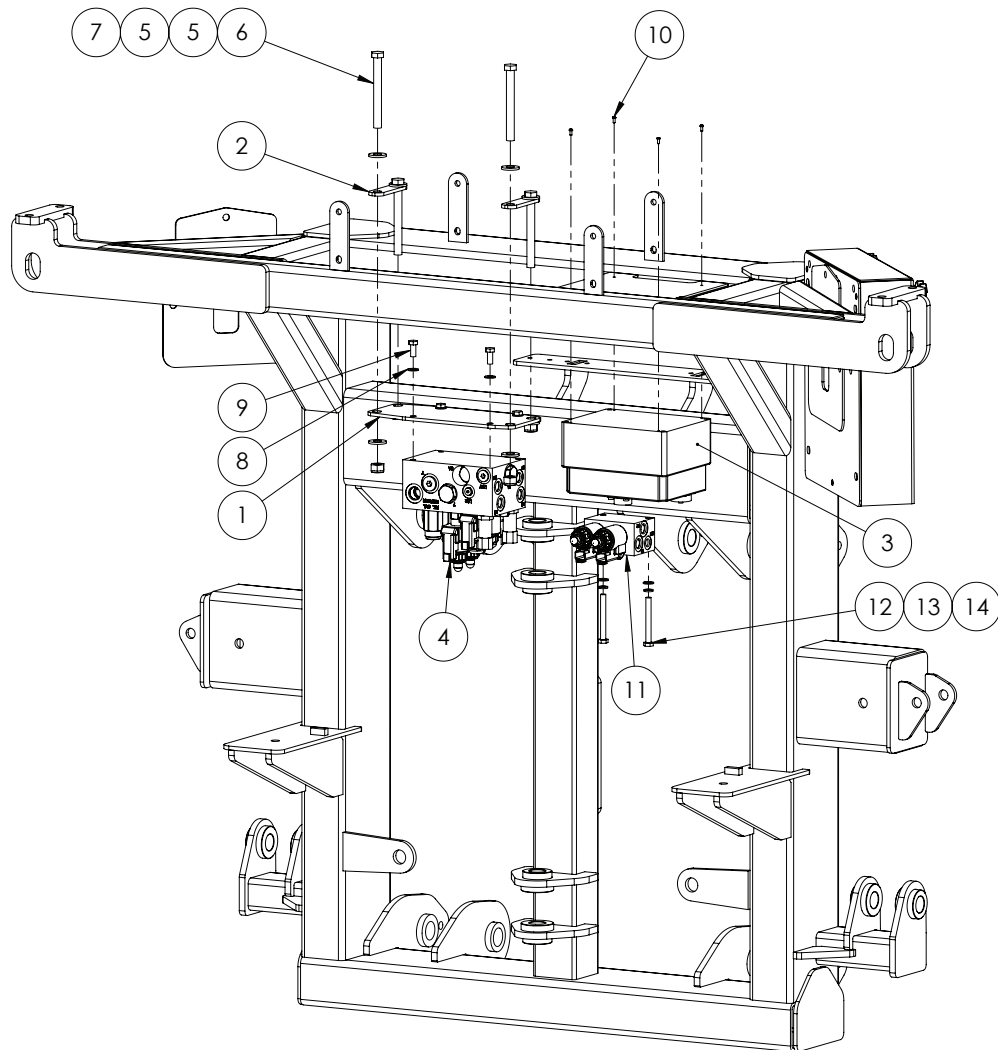


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070000	Grease fitting header block with 45 degree grease nipples and Pneumatic adaptor	1
2	GA5069985	Grease fitting, Line connector, Straight 6mm	6
3	GA5009639	Grease nipple, Long, 1/4" UNF male thread, 1 1/8" long	6
4	GA5004079	Set Screw M6 x 30 ZP GR8.8	2
5	GA5004437	Washer 6mm Flat SS	2
6	GA4552080	Crush tube, 10.2 ID x 15 OD x 5mm long	2
7	GA5070005	Grease line 6mm pre filled	6



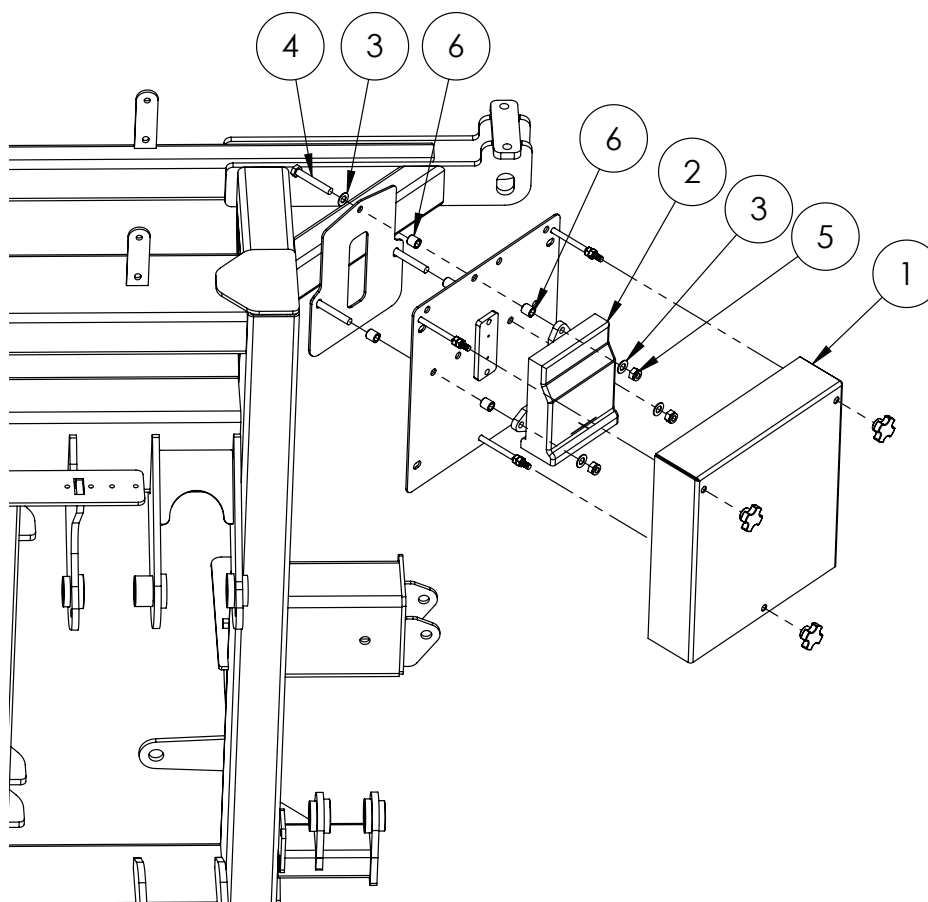
Manual Grease Station Locations

## UltraGlide Block & Smart Box Mounting



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4523975	UltraGlide mount plate bolt on	1
2	GA4523976	UltraGlide top plate bolt on	2
3	GA4948781	Smart Box, Suit 3TS 1 to 10 section	1
4	-	UltraGlide block - Part of kit 1170138040	1
5	GA5000577	Washer 12mm Flat SS Heavy Duty	8
6	GA5011199	Bolt M12 x 110 ZP GR8.8	4
7	GA5012461	Nut M12 Nyloc ZP	4
8	GA5003643	Washer 8mm Flat SS Heavy Duty	4
9	GA5048485	Set Screw, 5/16" x 3/4" BSW, GR8 SS	4
10	-	Smart Box mounting screw, comes with box. (equivalent is 4 gauge x 5/16" (8mm))	4
11	GA5071365	Valve, hydraulic, UltraGlide XT, Raven	1
12	GA5004738	Bolt M8 x 70 ZP GR8.8	2
13	GA5004919	Washer 8mm Spring SS	2
14	GA5003643	Washer 8mm Flat SS Heavy Duty	2

## Raven Node - Paralift

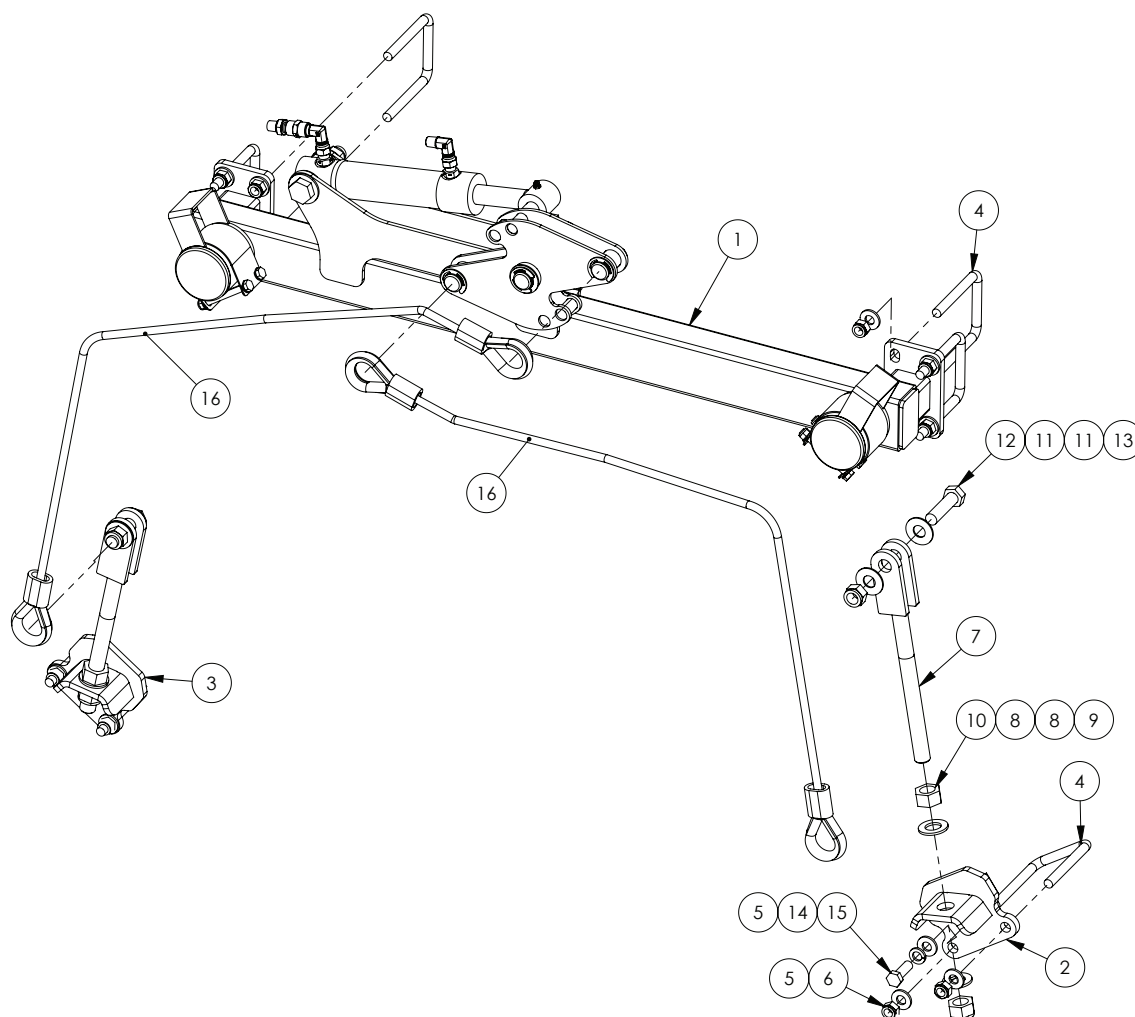


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4905120	Job computer box / cover assembly	1
2	GA5075935	Node, Accuboom and Boom sense, CAN, Raven, 0630172714	1
3	GA5000115	Washer 10mm Flat SS	6
4	GA5006101	Bolt M10 x 65 ZP GR8.8	3
5	GA5000141	Nut M10 Nyloc ZP	3
6	GA4552075	Crush tube, 10.2 ID x 15 OD x 15mm long	6

## UltraGlide Node - Paralift

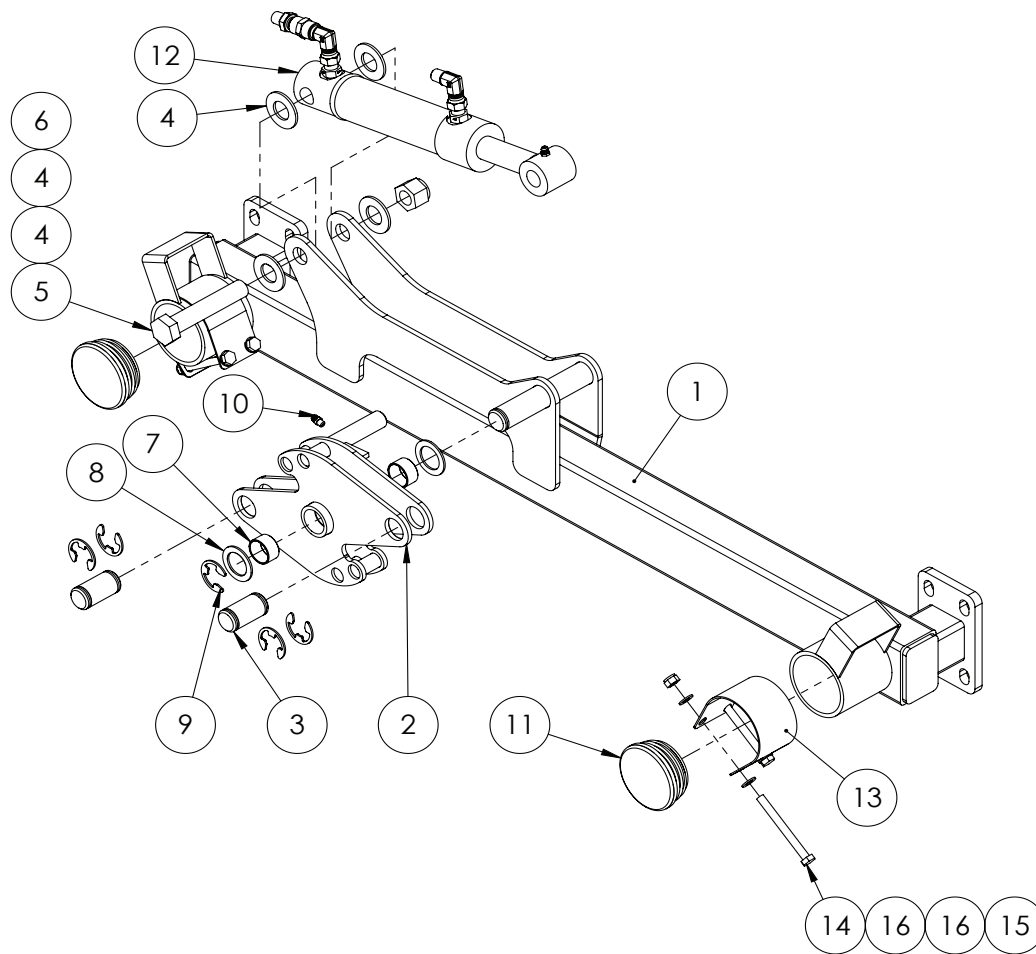
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075808	Node, CAN Autoboom Ultraglide, Raven, 0630130013	
2	GA3000035	Node, AutoBoom UltraGlide ISO bus, Raven	
3	GA3000049	Node, AutoBoom UltraGlide XT CAN non ISO bus, Raven	
	GA5071370	Node, ECU ISO BUS CAN, UltraGlide XT, Raven	

## Centre Level



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4904785	Centre level assembly suit 2011	1
2	GA4658143	Centre mount bolt on Right	1
3	GA4658144	Centre mount bolt on Left	1
4	GA5011259	U Bolt, Square top, M12 x 76mm x 110mm	6
5	GA5000577	Washer 12mm Flat SS Heavy Duty	14
6	GA5012461	Nut M12 Nyloc ZP	12
7	GA5020320	Cable Adjuster, threaded, M20	2
8	GA5001739	Washer 20mm Flat Heavy Duty SS	4
9	GA5048125	Nut M20 Nyloc Coarse ZP	2
10	GA5001709	Nut M20 Coarse Hex ZP	2
11	GA5001043	Washer 16mm Flat SS HD	4
12	GA5000939	Bolt M16 x 60 Black GR8.8	2
13	GA5001029	Nut M16 Nyloc ZP	2
14	GA5000575	Washer 12mm Spring SS	2
15	GA5000311	Set screw, M12 x 35, ZP GR 8.8	2
16	GA4905185	Cable assembly, Suit boom centre lock kit	1

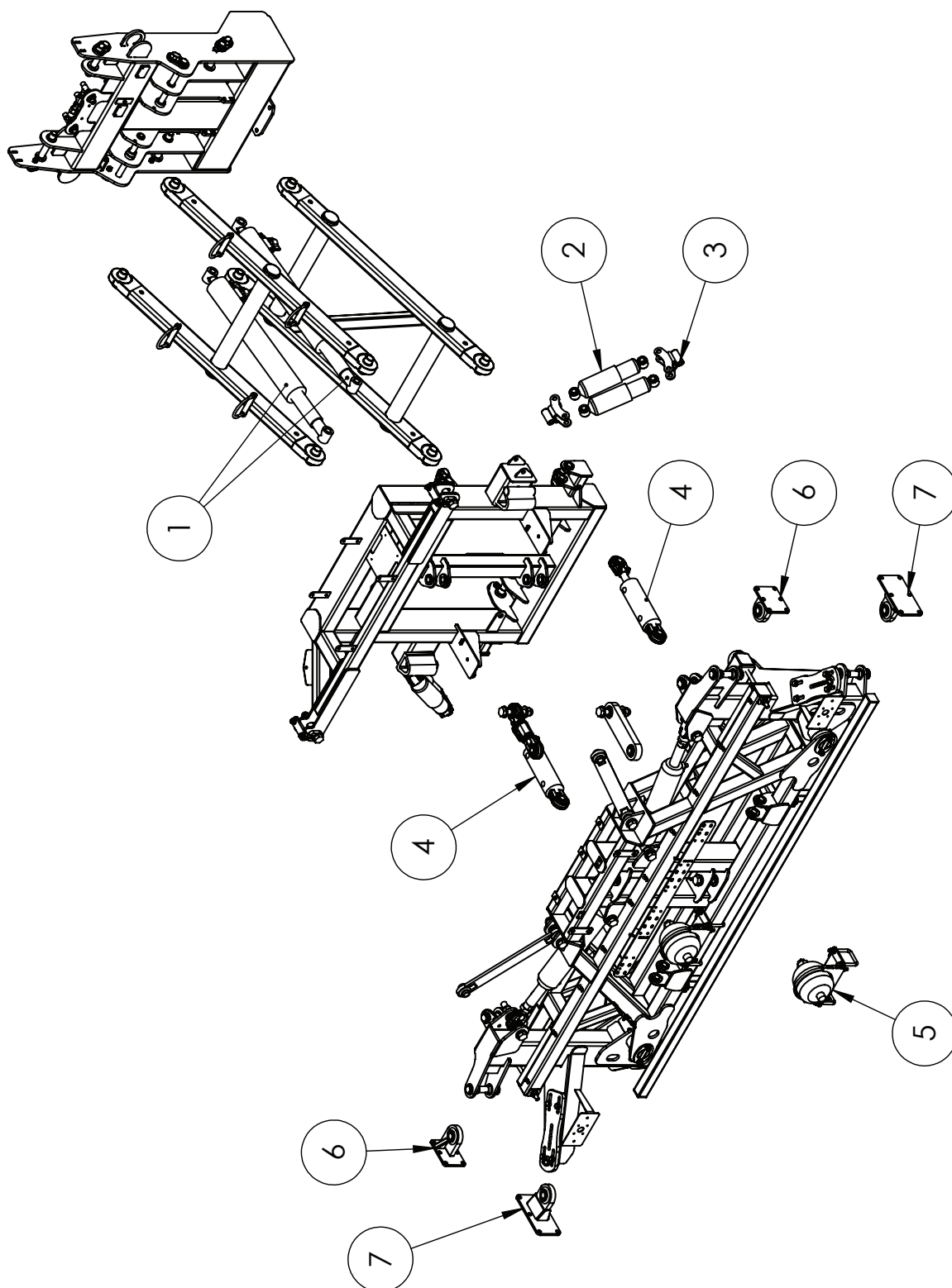
## Centre Leveling Main Pivot



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658142	Centre leveling main pivot assembly	1
2	GA4658141	Centre levelling wheel assembly	1
3	GA4572420	Pin, Suit centre levelling cable mount, 25 OD x 49mm long with circlip grooves each end	2
4	GA5001045	Washer, 3/4", Flat ZP	4
5	GA5049490	Bolt 3/4" UNC x 4" ZP GR8	1
6	GA5048430	Nut, Nyloc, 3/4", UNC, ZP	1
7	GA5009463	Glacier Bush, ID 25 x 15mm long	2
8	GA4522315	Washer, 27 ID x 40 OD x 2mm thick, SS	2
9	GA5001223	Circlip, 19mm, E type, zinc plated	5
10	GA5012203	Grease nipple, Short, 1/4" UNF	1
11	GA5050355	End cap, 76.1 mm round, suit 65 NB pipe, Black plastic	2
12	GA4904785-1	Ram Assembly Center Leveling	1
13	GA4506750	Wear Strip SS for Centre Leveling Cables	2
14	GA5004749	Bolt M8 x 80 ZP GR8.8	4
15	GA5052590	Nut M8 Nyloc SS	4
16	GA5003643	Washer 8mm Flat SS Heavy Duty	8

## Centre Section - 42m Boom Specific Components

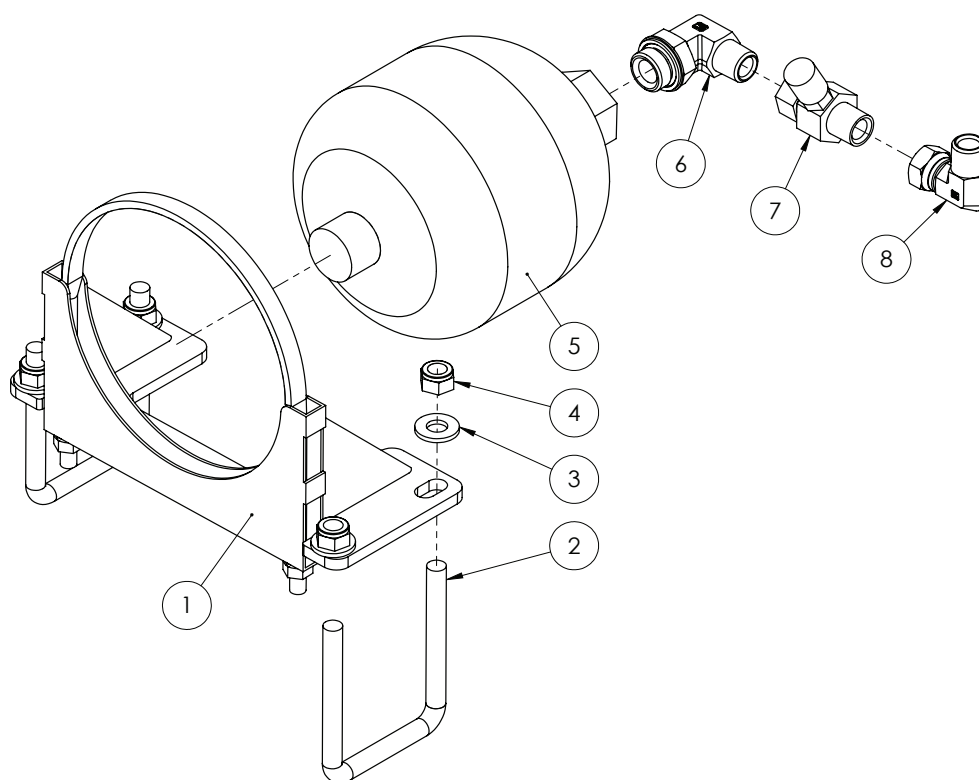
---



## Centre Section - 42m Boom Specific Components

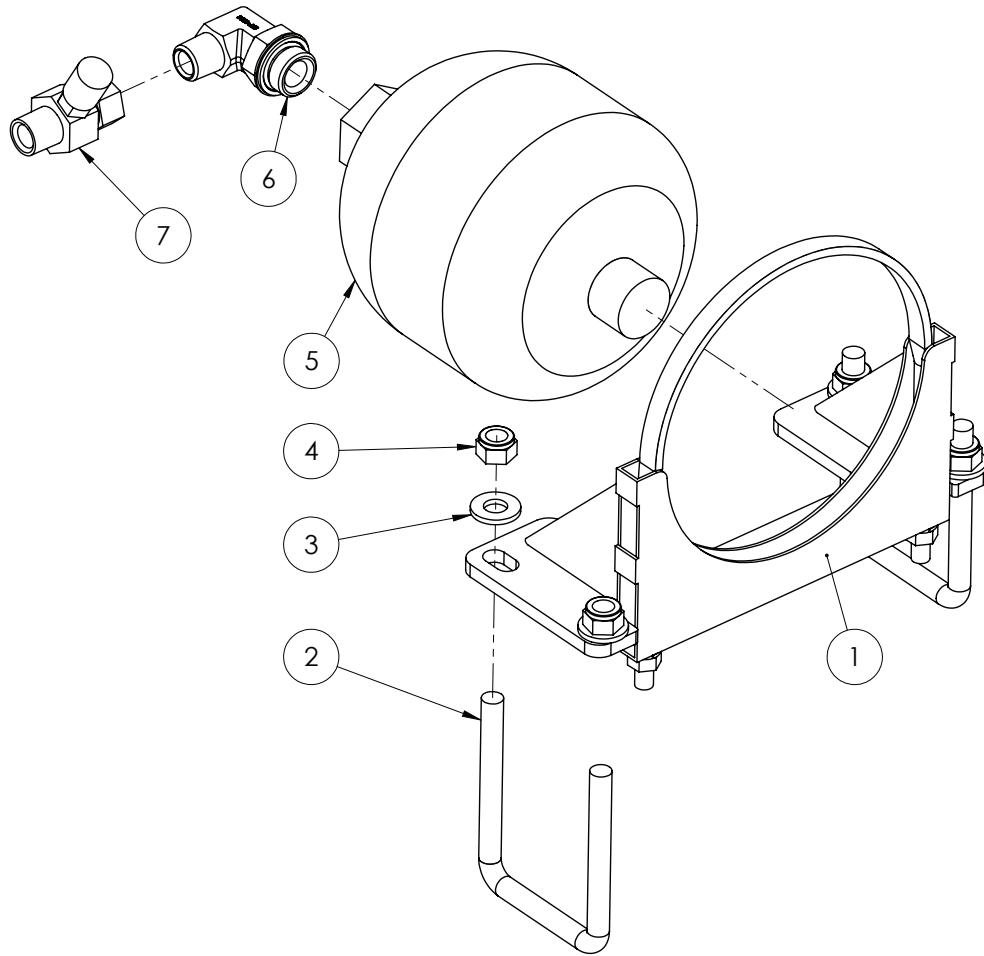
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070079	Hydraulic cylinder - 3" bore, 2.5" rod, 21" Stroke	2
2	GA5015139	Shock Absorber, Double eye, 19mm eye, 82mm OD, Black	4
3	GA4659360	Mounting bracket, Dual roll shock absorber, TriTech centre	4
4	GA5060818	Hydraulic yaw cylinder, 3" x 1 1/4" x 117.5mm with bearing ends	2
5	GA4906030	2L Accumulator with Mount Assembly, Left Hand	1
6	GA4659225	Top Rose End Large TriTech	2
7	GA4659230	Bottom Rose End Large TriTech	2
	GA4906035	2L Accumulator with Mount Assembly, Right Hand	1

## 42m Yaw Accumulator Assembly - LH



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659720	Mounting Bracket 2L Accumulator	1
2	GA5011259	U Bolt, M12 x 76mm x 110mm Square Top	2
3	GA5000577	Washer 12mm Flat SS Heavy Duty	4
4	GA5012461	Nut M12 Nyloc ZP	4
5	GA3500021	Accumulator diaphragm 2L - 90 BAR	1
6	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring, S77-0812	1
7	GA3500198	Hydraulic adaptor, Inline test point, 1/2" BSPP female swivel x 1/2" BSPT male x M16 x 2.0 test port, S160-080816	1
8	S82-0808	Hydraulic adapter, Elbow, 90 degree, 1/2" male x 1/2" female swivel	1

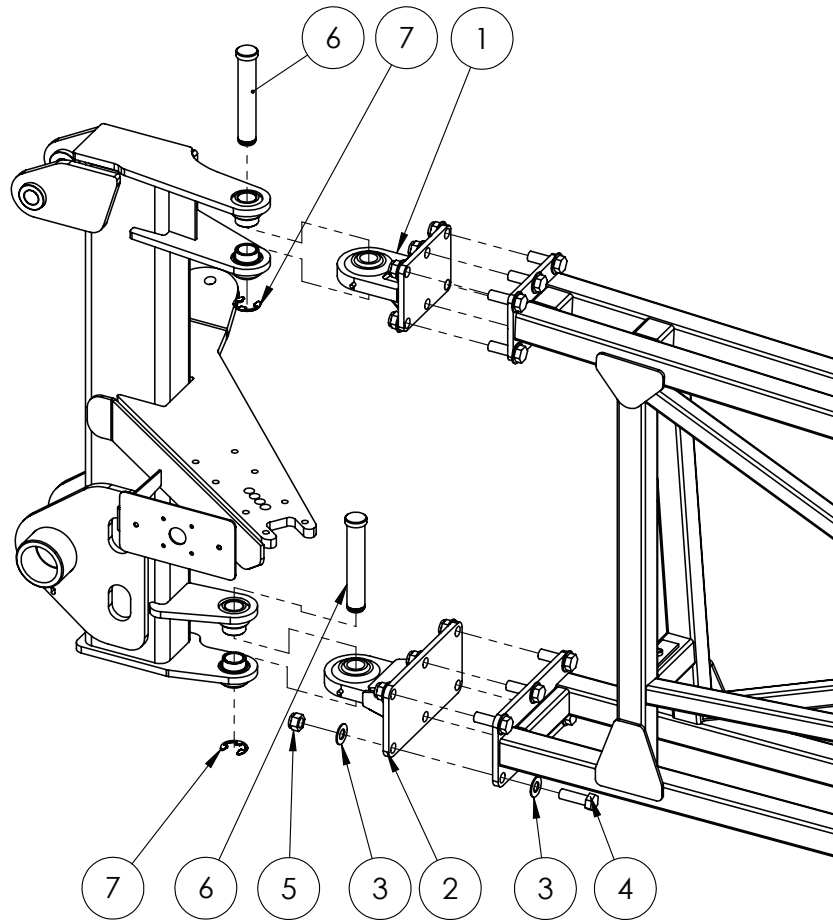
## 42m Yaw Accumulator Assembly - RH



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659720	Mounting Bracket 2L Accumulator	1
2	GA5011259	U Bolt M12 x 76mm x 110mm Square Top	2
3	GA5000577	Washer 12mm Flat SS HD	4
4	GA5012461	Nut M12 Nyloc ZP	4
5	GA3500021	Accumulator diaphragm 2L - 90 BAR	1
6	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring, S77-0812	1
7	GA3500198	Hydraulic adaptor, Inline test point, 1/2" BSPP female swivel x 1/2" BSPT male x M16 x 2.0 test port, SI 60-080816	1

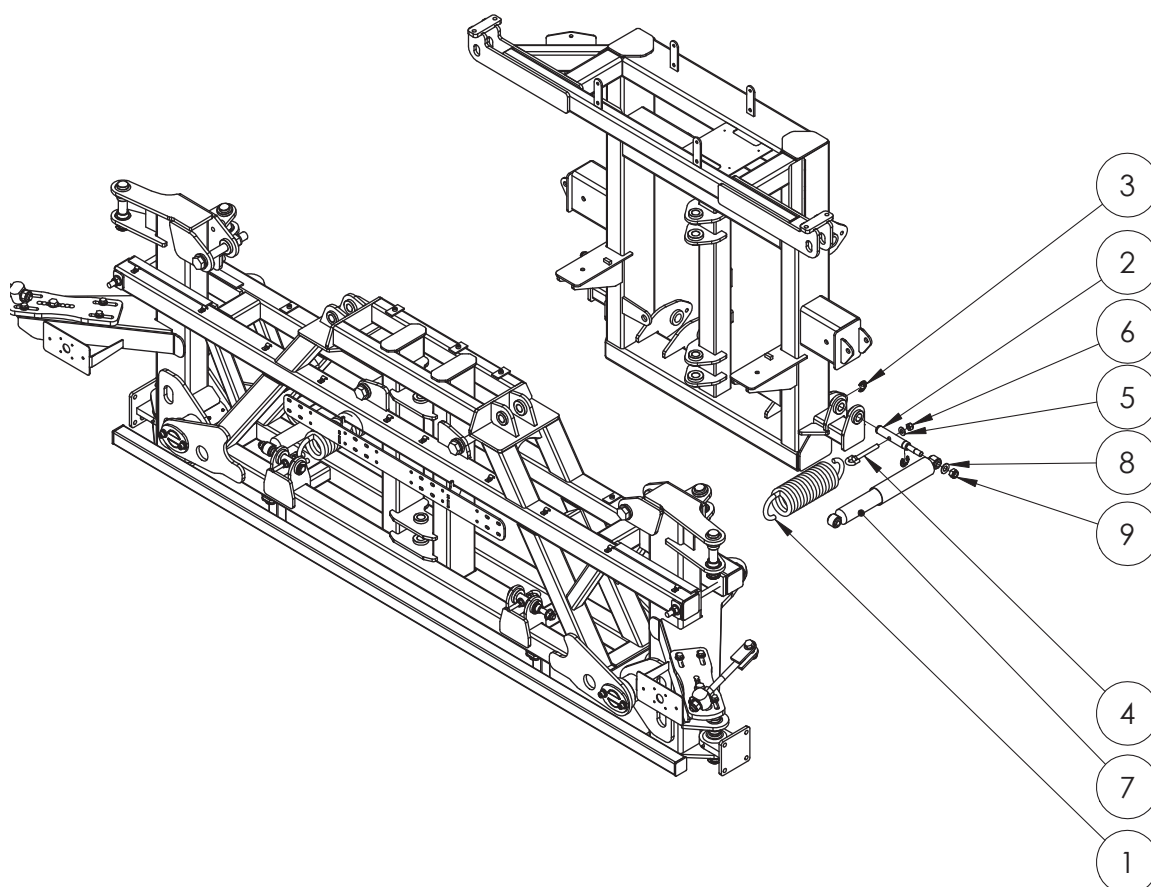


## Boom Pivots - Suit 42m Boom



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659225	Top Rose End Large TriTech	1
2	GA4659230	Bottom Rose End Large TriTech	1
3	GA5001009	Washer 16mm Flat ZP Heavy Duty	24
4	GA5000931	Bolt M16 x 50 ZP GR8.8	12
5	GA5069145	Nut M16 x 1.5 pitch Nyloc ZP	12
6	L003A	Pin, 1 1/8" x 170mm, with circlip groove	2
7	GA5001883	Circlip, E type, 24mm, Zinc plated	2

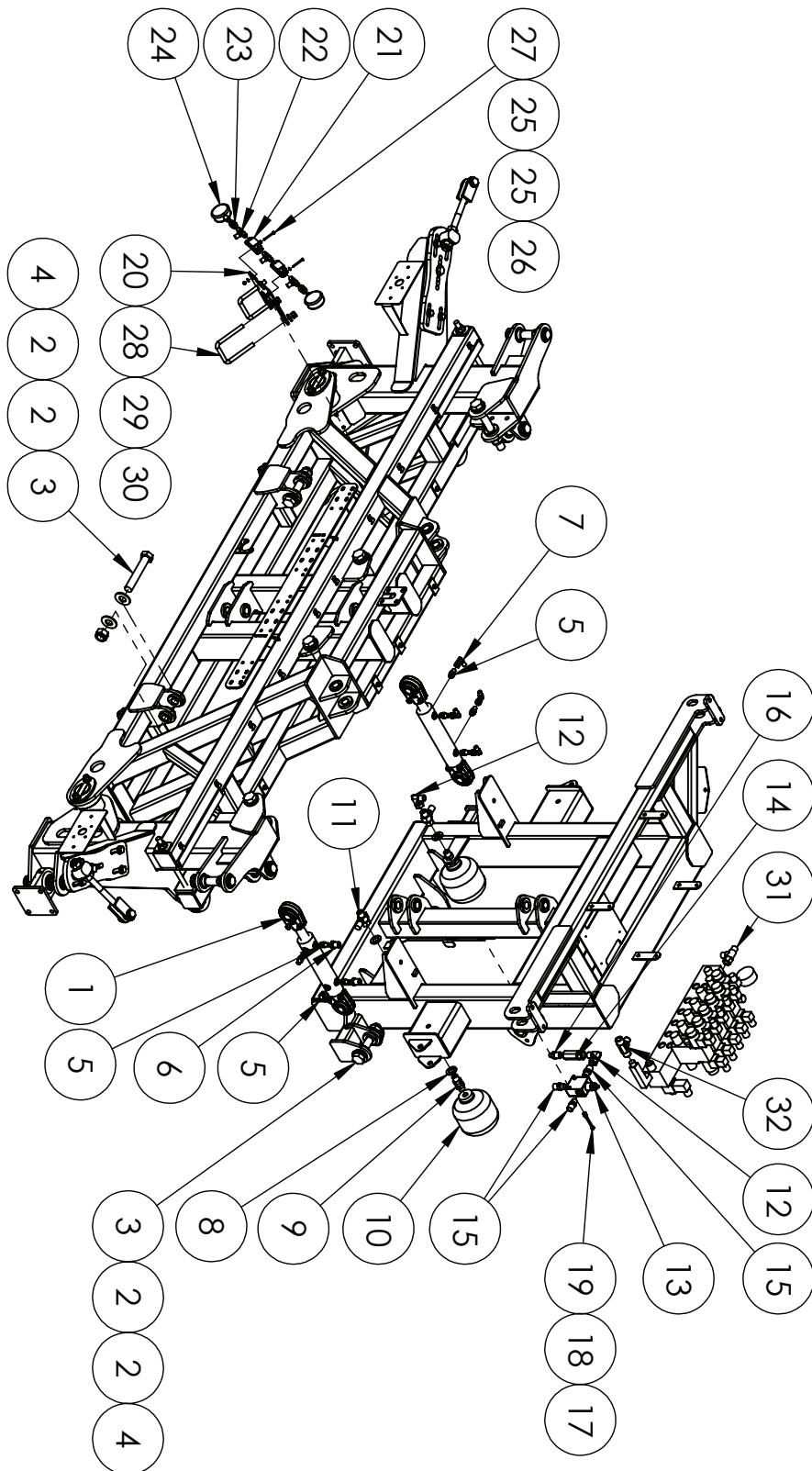
## Spring Yaw Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075095	Spring, Tension, 95 OD x 330 long x 14mm	2
2	GA4572385	Pin, 25 OD x 195.6mm long	4
3	GA5001223	Circlip, 19mm, E type, zinc plated	8
4	GA5075150	Eye Bolt 12mm x 100mm Short	4
5	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
6	GA5012461	Nut M12 Nyloc ZP	4
7	GA5075115	Shock absorber, Heavy duty, Eye ends 15mm ID	2
8	GA5001009	Washer 16mm Flat ZP Heavy Duty	4
9	GA5001029	Nut M16 Nyloc ZP	4

## Hydraulic Yaw Kit - Suit Spool Valves

---

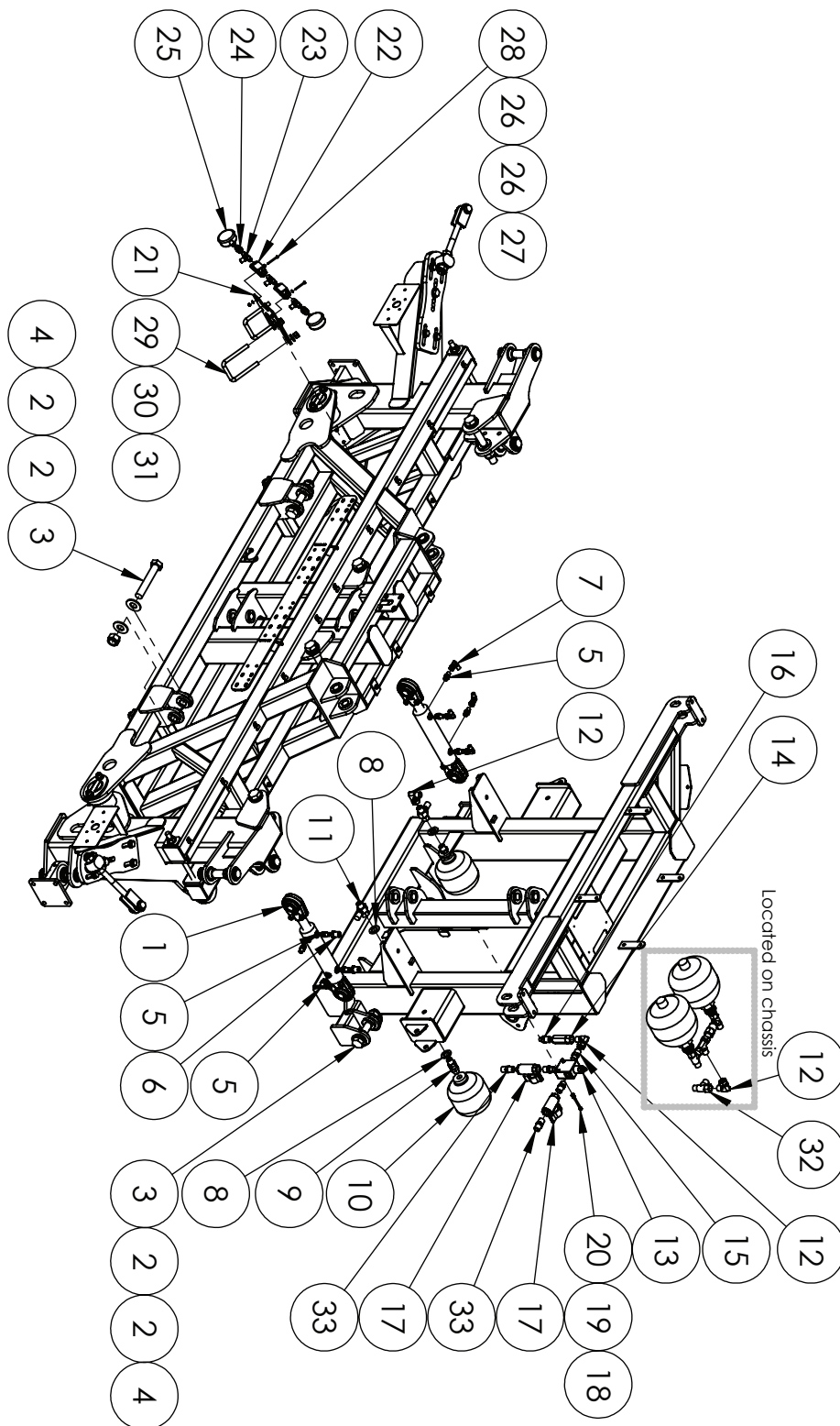


Continued over page

## Hydraulic Yaw Kit

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5060817	Hydraulic cylinder, 2" bore x 1 1/4" shaft x 117.5mm stroke, Spherical bearing ends	1
2	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	8
3	GA5006043	Bolt 1" UNF x 6" x 14 TPI ZP GR8	4
4	GA5012445	Nut 1" UNF 14 tpi Nyloc ZP	4
5	GA3500358	Hydraulic adapter, Nipple, 1/4" BSPT x 9/16" UN o-ring	8
6	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female	2
7	GA3500332	Hydraulic adapter, Elbow, 90 degree, 1/4" BSP male x 1/4" BSP female swivel	4
8	GA5001739	Washer 20mm Flat Heavy Duty SS	4
9	GA599-603	Hydraulic adaptor, Bulkhead nipple, 1/2 BSP male x 1/2 BSP male	2
10	GA5007787	Accumulator, Hydraulic, 1L, precharged to 70 bar	2
11	GA3500198	Hydraulic adaptor, Inline test point, 1/2" BSP female swivel x 1/2" BSP male x M16 x 2.0 test port	2
12	GA3500333	Hydraulic adapter, Elbow, 90 degree, 1/2" male x 1/2" female swivel	2
13	GA5047708	Valve, Pressure reducing, Hydraulic, 10 - 140 bar	1
14	GA5007060	Valve, Check, Hydraulic, 1/2" BSPP female inlet & outlet, 45L/min flow, Maximum 320 bar	1
15	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSP male x 3/8" BSP male with o-ring	3
16	GA3500221	Hydraulic adaptor, Nipple, 1/2" BSP x 1/4" BSP	1
17	GA5004437	Washer 6mm Flat SS	2
18	GA5004447	Washer, 6mm, Spring, SS	2
19	GA5011419	Bolt M6 x 50 SS	2
20	GA4523970	Tap mounting plate hydraulic yaw 2010 bolt on	1
21	GA5078083	Valve, Ball, Hydraulic, 1/4" BSP female thread inlet / outlet	2
22	GA3500269	Hydraulic adaptor, Tee, 1/4" BSP male x 1/4" BSP male x 1/4" BSP male	3
23	GA3500211	Hydraulic adapter, Socket, 1/4" female BSP x 1/4" female BSP	2
24	GA5021455	Gauge, Pressure, Small face, 3500psi	2
25	GA5020510	Washer 4mm Flat SS	4
26	GA5049025	Nut M4 Nyloc SS	2
27	GA5049800	SHCS M4 x 40 ZP GR12.9	2
28	GA5011259	U Bolt, Square top, M12 x 76mm x 110mm	2
29	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
30	GA5012461	Nut M12 Nyloc ZP	4
31	GA3500200	Hydraulic adapter, Tee, 1/2" male BSP x 1/2" male BSP x 1/2" female swivel	1
32	GA3500273	Hydraulic adaptor, Tee, 3/4" BSPT male x 3/4" BSPT male x 1/2" BSPT male	1

## Hydraulic Yaw Kit - Non Spool Valves



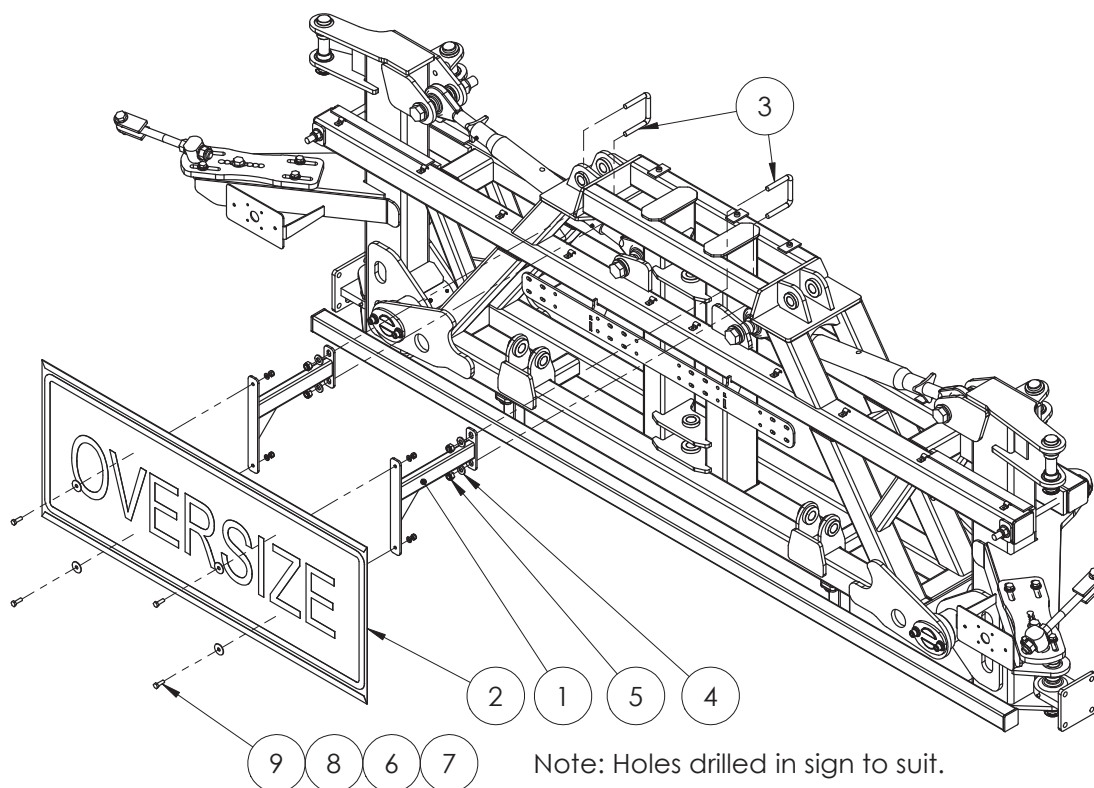
Continued over page

## Hydraulic Yaw Kit - Non Spool Valves

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5060817	Hydraulic cylinder, 2" bore x 1 1/4" shaft x 117.5mm stroke, Spherical bearing ends	2
2	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	8
3	GA5006043	Bolt 1" UNF x 6" x 14 TPI ZP GR8	4
4	GA5012445	Nut 1" UNF 14 tpi Nyloc ZP	4
5	GA3500358	Hydraulic adapter, Nipple, 1/4" BSPT x 9/16" UN o-ring	8
6	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female	2
7	GA3500332	Hydraulic adapter, Elbow, 90 degree, 1/4" BSP male x 1/4" BSP female swivel	4
8	GA5001739	Washer 20mm Flat Heavy Duty SS	4
9	GA599-603	Hydraulic Nipple, 1/2" BSPP x 1/2" BSPP includes O-ring & washer	2
10	GA5007787	Accumulator, Hydraulic, 1L, precharged to 70 bar	2
11	GA3500198	Hydraulic adaptor, Inline test point, 1/2" BSP female swivel x 1/2" BSP male x M16 x 2.0 test port	2
12	GA3500333	Hydraulic adapter, Elbow, 90 degree, 1/2" male x 1/2" female swivel	3
13	GA5047708	Valve, Pressure reducing, Hydraulic, 10 - 140 bar	1
14	GA5007060	Valve, Check, Hydraulic, 1/2" BSPP female inlet & outlet, 45L/min flow, Maximum 320 bar	1
15	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSP male x 3/8" BSP male with o-ring	3
16	GA3500221	Hydraulic adaptor, Nipple, 1/2" BSP x 1/4" BSP	1
17	GA5000835	Valve, Ball, Hydraulic, 1/2" female thread inlet / outlet	2
18	GA5004437	Washer 6mm Flat SS	2
19	GA5004447	Washer, 6mm, Spring, SS	2
20	GA5011419	Bolt M6 x 50 SS	2
21	GA4523970	Tap mounting plate hydraulic yaw 2010 bolt on	1
22	GA5078083	Valve, Ball, Hydraulic, 1/4" BSP female thread inlet / outlet	2
23	GA3500269	Hydraulic adaptor, Tee, 1/4" BSP male x 1/4" BSP male x 1/4" BSP male	3
24	GA3500211	Hydraulic adapter, Socket, 1/4" female BSP x 1/4" female BSP	2
25	GA5078076	Gauge, Pressure, 250 bar	2
26	GA5020510	Washer 4mm Flat SS	4
27	GA5049025	Nut M4 Nyloc SS	2
28	GA5049800	SHCS M4 x 40 ZP GR12.9	2
29	GA5011259	U Bolt, Square top, M12 x 76mm x 110mm	2
30	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
31	GA5012461	Nut M12 Nyloc ZP	4
32	GA3500200	Hydraulic adapter, Tee, 1/2" male BSP x 1/2" male BSP x 1/2" female swivel	1
33	GA3500223	Hydraulic adapter, Nipple, 1/2" BSP male x 1/2" BSP male	2

## Oversize Sign Mount

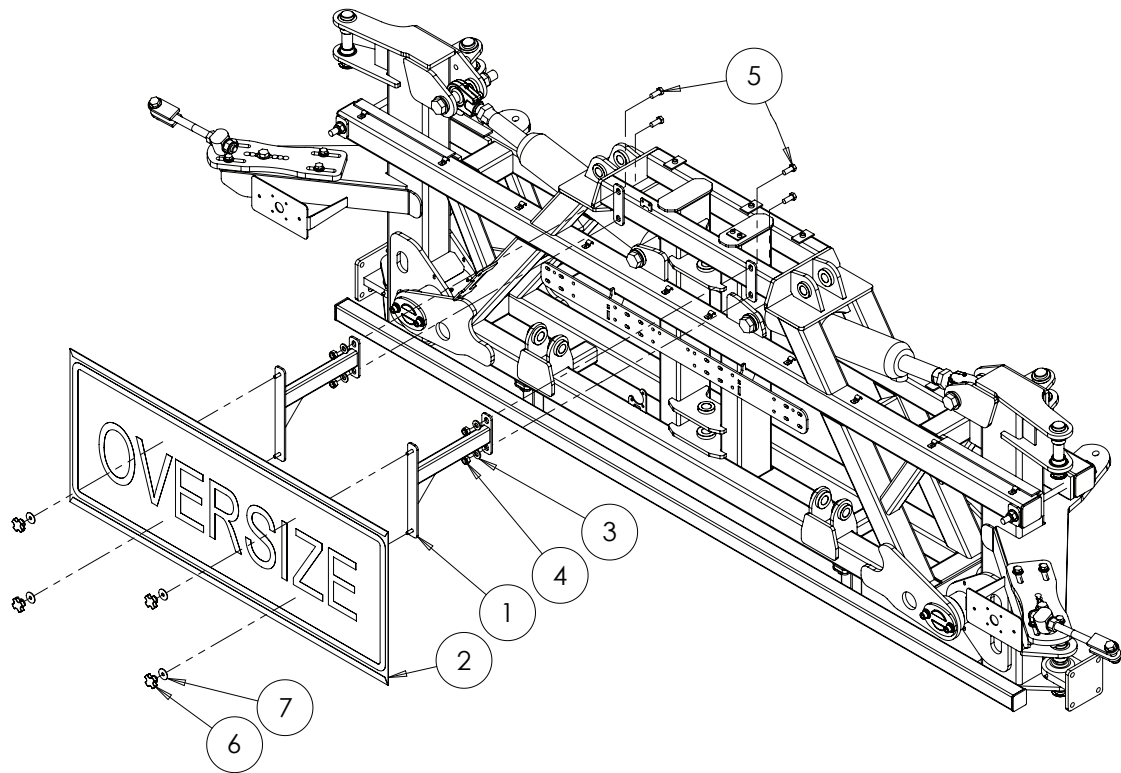
SN 201000 - SN 201525



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658150	Bracket, Oversize sign mount arm, Bolt on, 2011 centre	2
2	GA5009613	Oversize sign, Yellow, Reflective with folded edges	1
3	GA5000305	Set Screw M12 x 30 ZP GR8.8	2
4	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
5	GA5012461	Nut M12 Nyloc ZP	4
6	GA5004883	Washer 8mm Flat ZP Heavy Duty	4
7	GA5052590	Nut M8 Nyloc SS	4
8	GA5003645	Washer, 5/16" ID x 1 1/4" OD, Flat SS	4
9	GA5004713	Bolt M8 x 25 SS	4

## Oversize Sign Mount - TriTech

SN 201532 -



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658150	Bracket, Oversize sign mount arm, Bolt on, 2011 centre	2
2	GA5009613	Oversize sign, Yellow, Reflective with folded edges	1
3	GA5000577	Washer 12mm Flat SS Heavy Duty	4
4	GA5012461	Nut M12 Nyloc ZP	4
5	GA5000305	Set Screw M12 x 30 ZP GR8.8	4
6	GA5069875	Knob Star grip nut M8 x 40 DIA	4
7	GA5003645	Washer, 5/16" ID x 1 1/4" OD, Flat SS	4

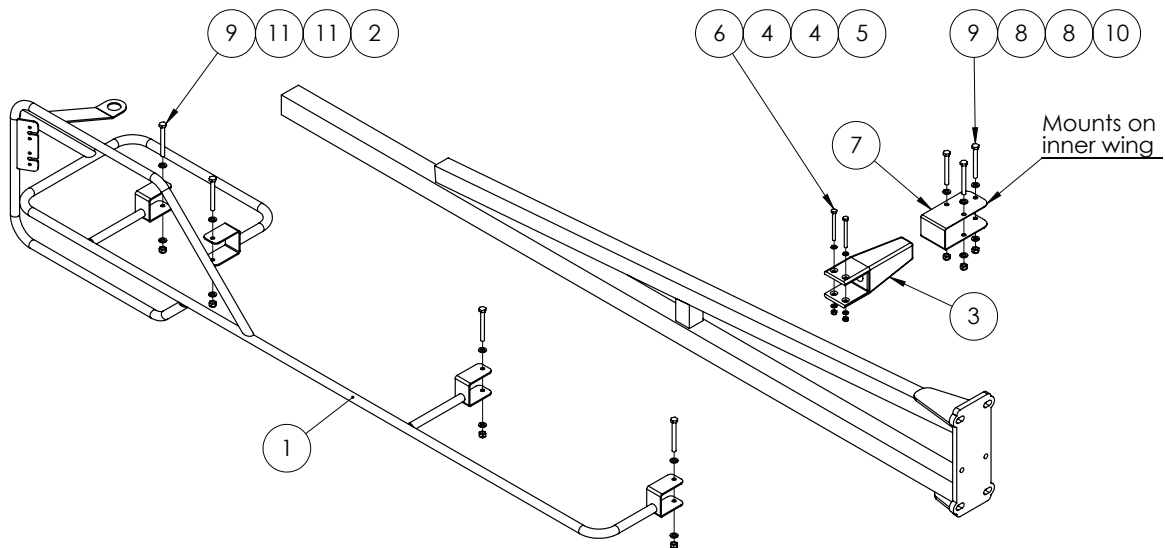




# Chapter 14

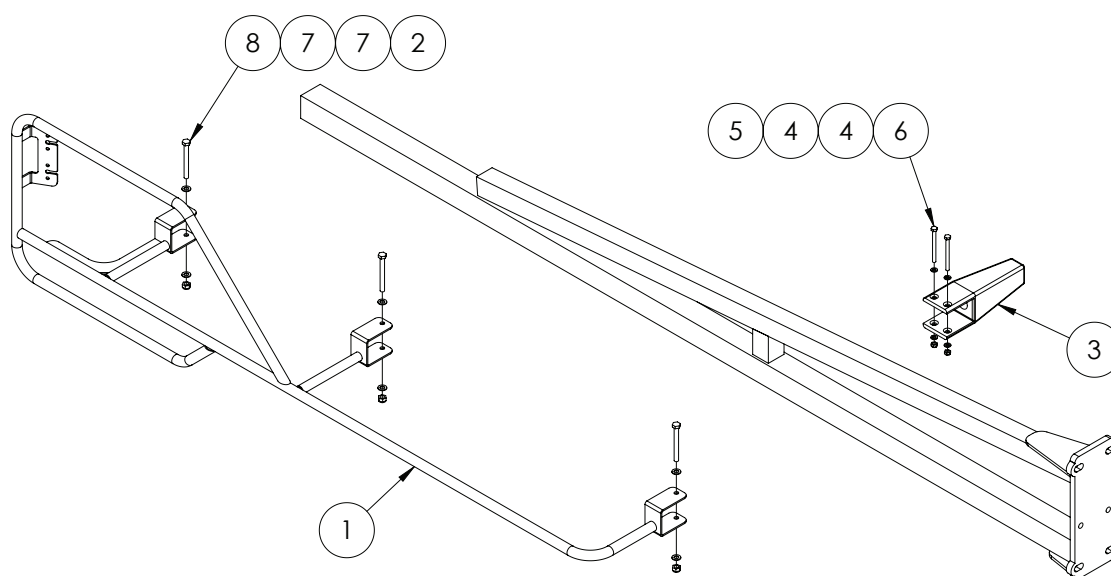
## BOOM WING

### Fence Line End Protector - Standard



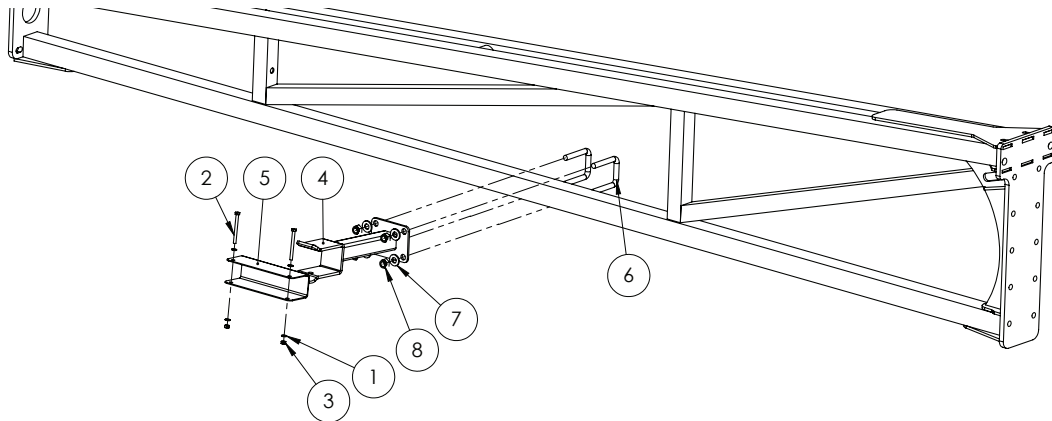
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656314	Boom end protector, Right Hand	1
	GA4656315	Boom end protector, Left Hand (not shown)	
2	GA5004917	Nut M8 Nyloc ZP	4
3	GA5006226	Boom stopper, Rubber, 210mm bumper, Suits 50 x 50mm RHS	1
4	GA5004437	Washer 6mm Flat SS	4
5	GA5048115	Nut M6 Nyloc ZP	2
6	GA5004107	Bolt M6 x 70 ZP GR8.8	2
7	GA4522995	Extension bracket Rubber bump stop	1
8	GA5048115	Nut M6 Nyloc ZP	6
9	GA5052600	Bolt M8 x 75 SS	7
10	GA5052590	Nut M8 Nyloc SS	3
11	GA5003643	Washer 8mm Flat SS Heavy Duty	8

## Fence Line End Protector - Quick Fit



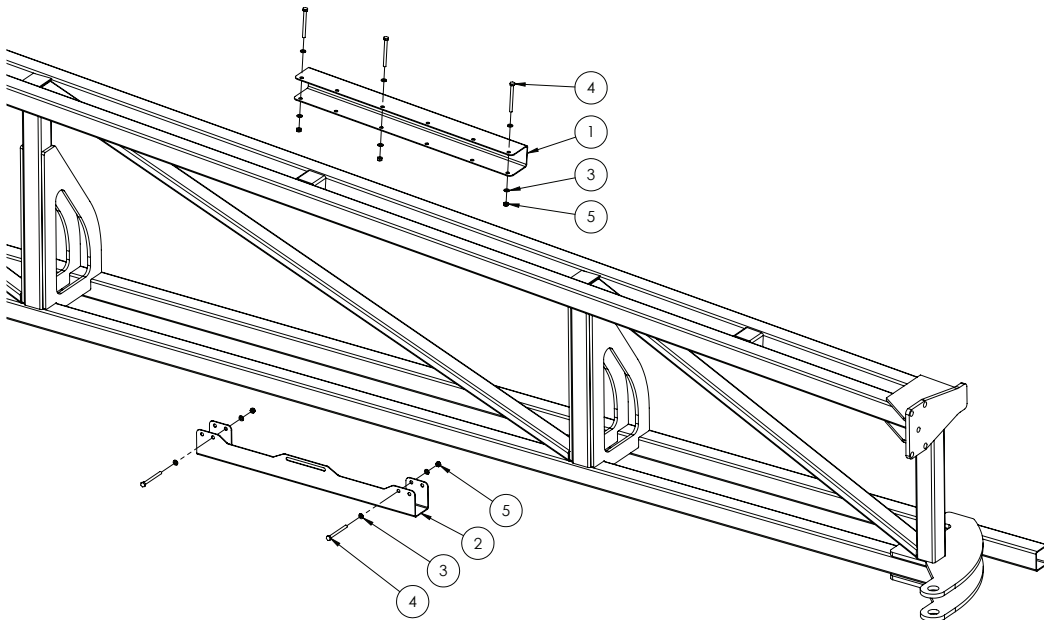
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656316	Boom End Protector easy fit Right Hand	1
	GA4656317	Boom End Protector easy fit Left Hand	
2	GA5004917	Nut M8 Nyloc ZP	3
3	GA5006226	Boom stopper, Rubber, 210mm bumper, Suits 50 x 50mm RHS	1
4	GA5004437	Washer 6mm Flat SS	4
5	GA5048115	Nut M6 Nyloc ZP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

## Boom Protector Assembly - Outer



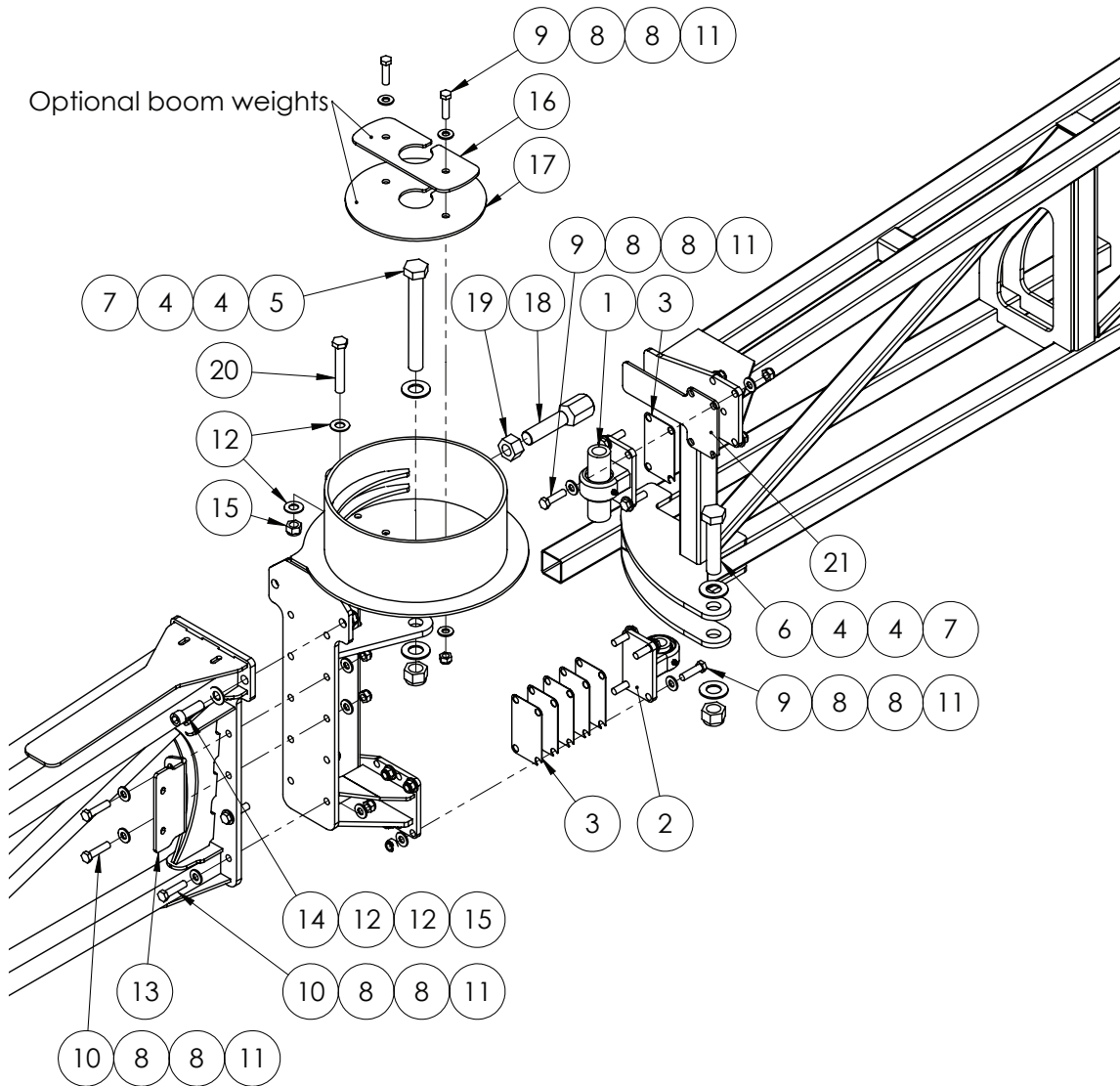
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5004437	Washer 6mm Flat SS	4
2	GA5004107	Bolt M6 x 70 ZP GR8.8	2
3	GA5048115	Nut M6 Nyloc ZP	2
4	GA4656277	Support bracket, Folded boom wing, TriTech	1
5	F70294A	Boom wing protector Suit 50 x 50 x 200mm long (2mm SS)	1
6	GA5011251	U bolt, Square top, M12 x 52mm x 80mm	2
7	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
8	GA5012461	Nut M12 Nyloc ZP	4

## Boom Protector Assembly - Inner



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70799A	Protector, Outer wing, Suit 50 x 50 RHS, 600 long, 2mm SS	1
2	GA4505005	Boom Slide Protector SS with cutout 2013	1
3	GA5004437	Washer 6mm Flat SS	10
4	GA5004107	Bolt M6 x 70 ZP GR8.8	5
5	GA5048115	Nut M6 Nyloc ZP	5

## Cable Drum



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4932342	Bearing pivot kit, Upper, Suit TriTech cable drum hinge	1
2	GA4912030	Lower removable pivot assembly, TriTech 24m+ suit upgrade kit	1
3	DB-ADJ-16LAS	Shim, cable drum pivot, SS, 1mm	6
4	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	4
5	GA5006151	Bolt 1" UNF x 8" x 12 TPI ZP GR8	1
6	GA5006039	Bolt 1" UNF x 4 1/2" ZP GR8	1
7	GA5012445	Nut 1" UNF 14 tpi Nyloc ZP	2
8	GA5000587	Washer 12mm Flat ZP Heavy Duty	40
9	GA5000327	Set Screw M12 x 45 ZP GR8.8	10
10	GA5011239	Bolt, M12 x 50, ZP GR 8.8	10
11	GA5012461	Nut M12 Nyloc ZP	20
12	GA5001009	Washer 16mm Flat ZP Heavy Duty	6

Continued over page

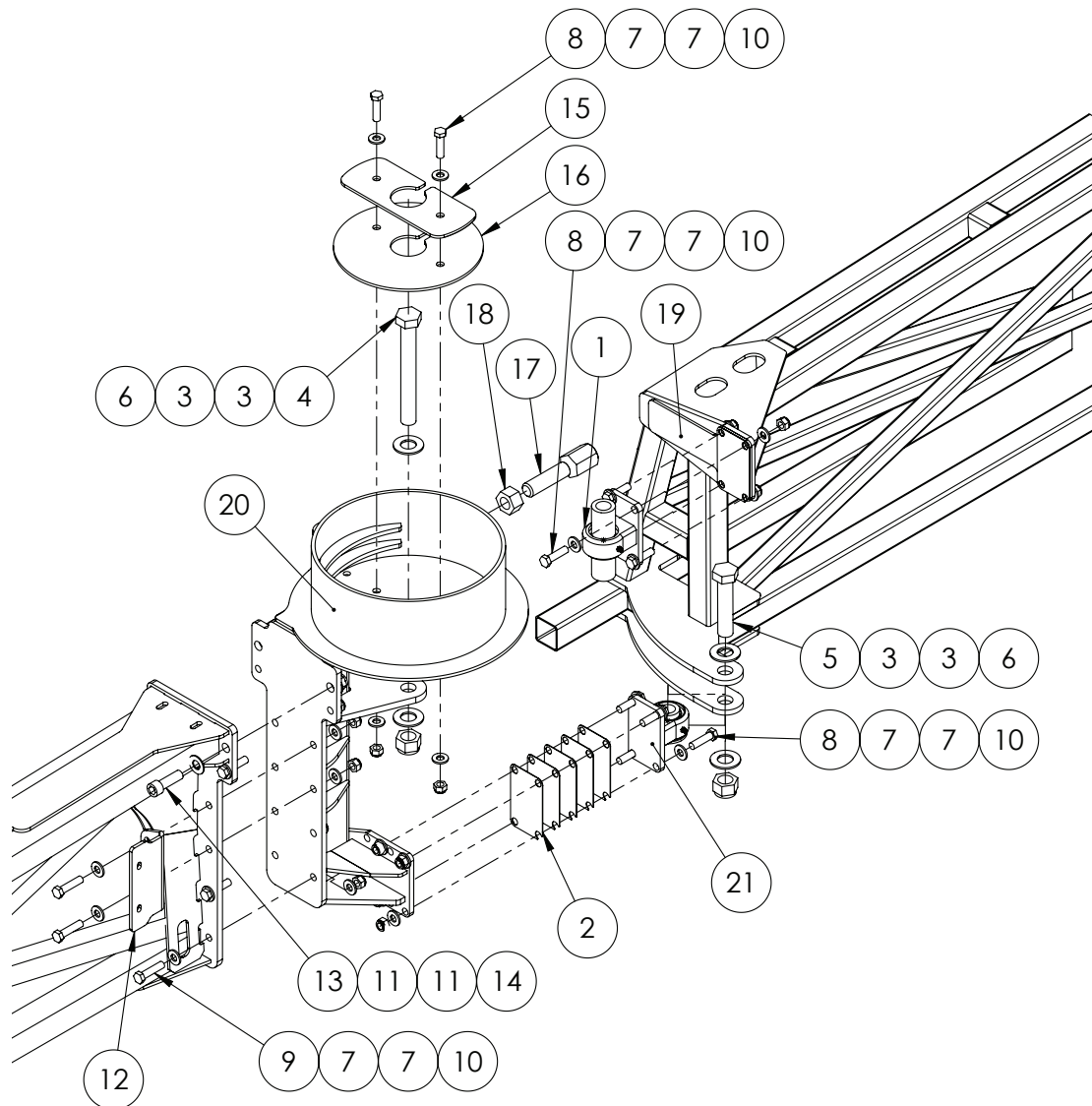
## Cable Drum

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	GA4522725	Boom hose mount plate outer	1
14	GA5000935	SHCS M16 x 50 ZP GR12.9	2
15	GA5001029	Nut M16 Nyloc ZP	3
16	GA4504535	Boom weight, Cable drum disc, 0.806 kg	1
17	GA4504530	Boom weight, Cable drum disc, 1.792 kg	1
18	GA4572495	Bolt 1" UNF 12 TPI Boom drum stopper	1
19	GA5010991	Nut 1" UNF 12 tpi ZP	1
20	GA5011269	Bolt M16 x 100 ZP GR8.8	1
21	GA4524690	Wear plate Upper boom top MY13 SS	1

### Cable Drum Chart

ITEM NO	PART NO	DESCRIPTION	QTY
	GA4659580	Cable drum, Boom hinge, Right side, TriTech, MY13	1
	GA4659585	Cable drum, Boom hinge, Left side, TriTech, MY13	1
	GA4659600	Boom drum hinge OFFSET 24+ RH MY13	1
	GA4659605	Boom drum hinge OFFSET 24+ LH MY13	1

## Cable Drum - 42m Boom



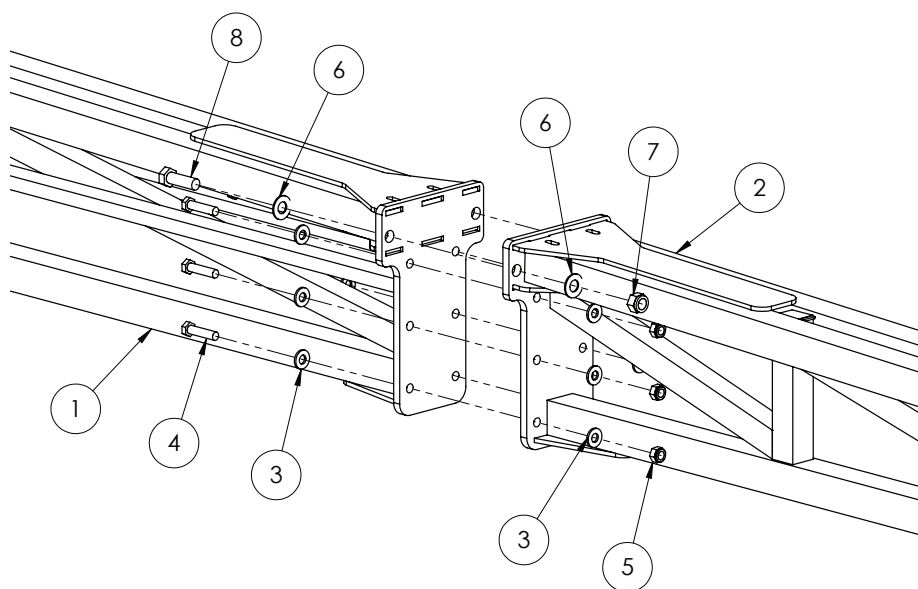
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4932342	Bearing pivot kit, Upper, Suit TriTech cable drum hinge	1
2	DB-ADJ-I6LAS	Shim, cable drum pivot, SS, 1mm	6
3	GA5017681	Washer 1" x 2" 7g Flat Thin SS	4
4	GA5006151	Bolt 1" UNF x 8" x 12 TPI ZP GR8	1
5	GA5006039	Bolt 1" UNF x 4 1/2" ZP GR8	1
6	GA5012446	Nut 1" UNF 12 tpi Nyloc ZP	2
7	GA5000577	Washer 12mm Flat SS Heavy Duty	40
8	GA5000327	Set Screw M12 x 45 ZP GR8.8	10
9	GA5011239	Bolt, M12 x 50, ZP GR 8.8	10
10	GA5012461	Nut M12 Nyloc ZP	20
11	GA5001009	Washer 16mm Flat ZP Heavy Duty	4
12	GA4522725	Boom hose mount plate outer	1

Continued over page

## Cable Drum - 42m Boom

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	GA5000935	SHCS M16 x 50 ZP GR12.9	2
14	GA5001029	Nut M16 Nyloc ZP	2
15	GA4504535	Boom weight, Cable drum disc, 0.806 kg	1
16	GA4504530	Boom weight, Cable drum disc, 1.792 kg	1
17	GA4572495	Bolt 1" UNF 12 TPI, Boom drum stopper	1
18	GA5010991	Nut 1" UNF 12 tpi ZP	1
19	GA4524690	Wear plate Upper boom top MY13 SS	1
20	GA4659275	Cable Drums to suit 42m+ LH	1
	GA4659270	Cable Drums to suit 42m+ RH	1
21	GA4932343	Bearing pivot kit, Lower TriTech cable drum hinge	1

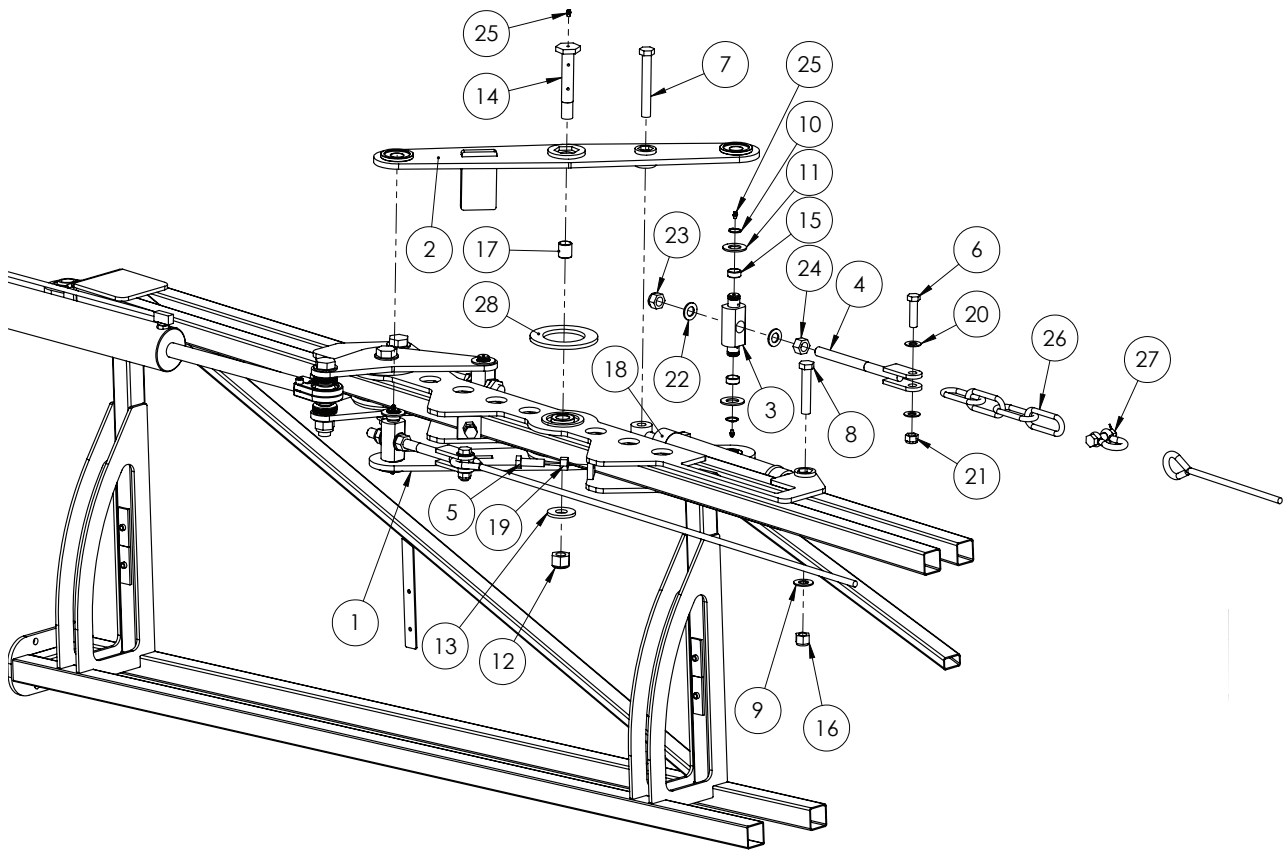
## Mid Wing - 42m Boom



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659280	Outer Wing Inner Section 42m	1
2	GA4659285	Outer Wing Outer Section 42m	1
3	GA5000587	Washer 12mm Flat ZP Heavy Duty	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



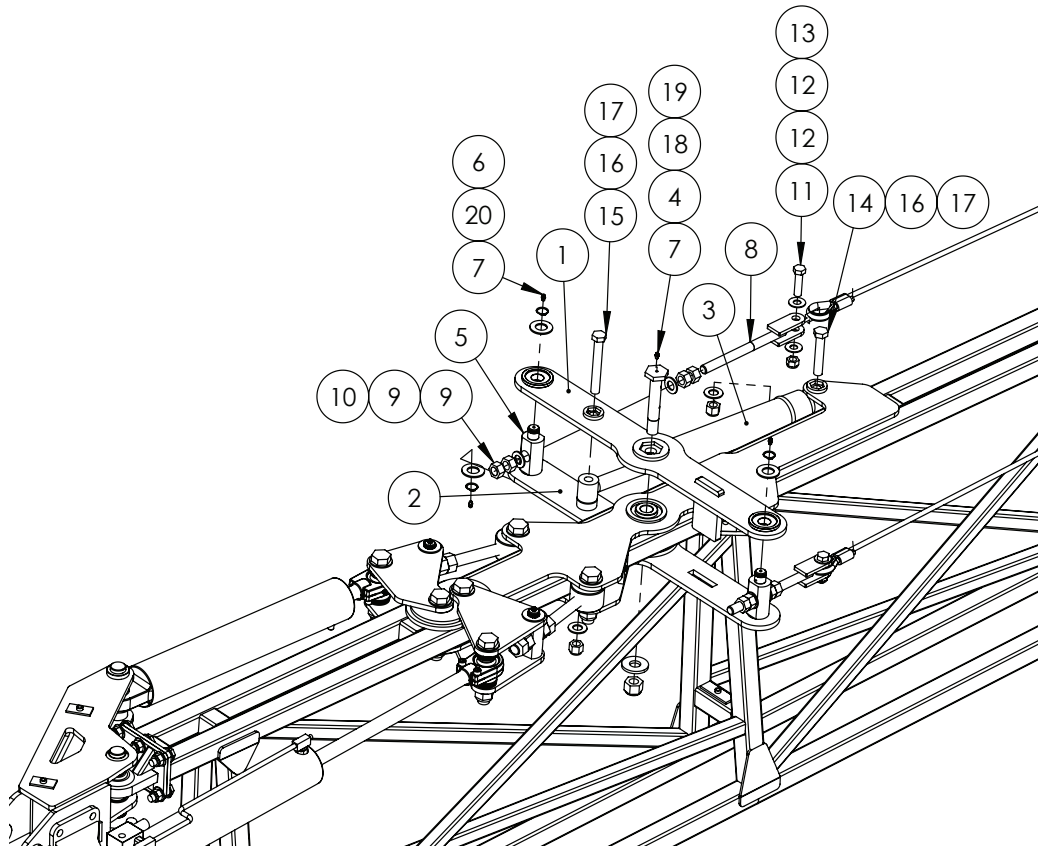
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656295	Boom Bi-fold Bottom Bracket	1
2	GA4656290	Boom Bi-fold Top Bracket	1
3	24mk4DB006	Bush / pin, Fold ram adjuster nut and bolt retainer	2
4	GA5020320	Cable Adjuster, threaded, M20	2
5	GA5000931	Bolt M16 x 50 ZP GR8.8	2
6	GA5000939	Bolt M16 x 60 Black GR8.8	2
7	GA5070335	Bolt 3/4" UNC x 5 1/2" Zinc HT GR8	1
8	GA5049490	Bolt 3/4" UNC x 4" ZP GR8	1
9	GA5001045	Washer, 3/4", Flat ZP	2
10	GA5008519	Circlip, External, 25mm	4
11	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	4
12	GA5012469	Nut M24 Nyloc ZP	1
13	2SF003LAS	2nd stage fold pivot washer 6mm FMS 60 od, 25.3mm id	1
14	2SF-007	Pivot pin	1
15	GA5009463	Glacier Bush, ID 25 x 15mm long	4
16	GA5048430	Nut, Nyloc, 3/4" UNC, ZP	2
17	GA5009467	Glacier Bush ID 25 x 30mm long	2
18	GA5021010	Hydraulic cylinder, 2" bore x 1" rod x 10" stroke	1
19	GA5012385	Nut M16 Hex ZP	2

Continued over page

## Bi-Fold

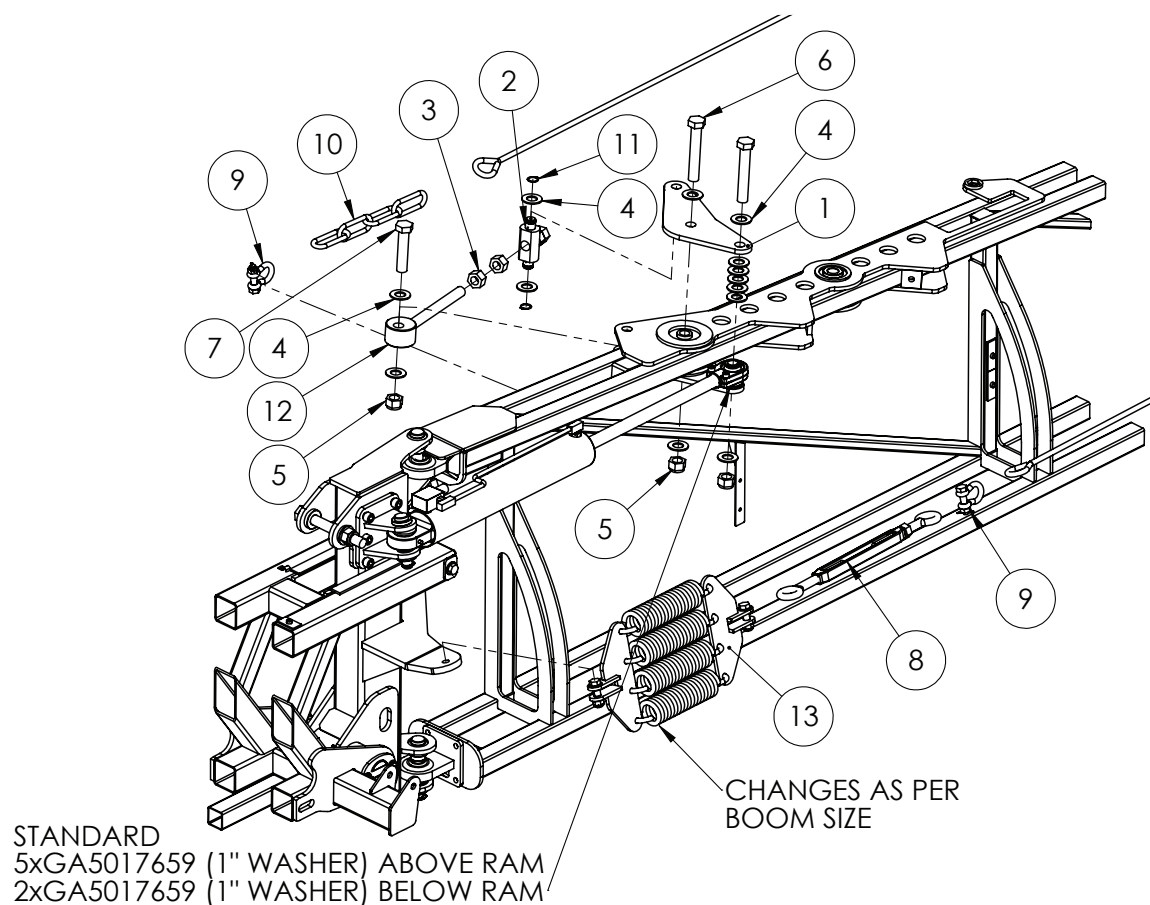
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
20	GA5001009	Washer 16mm Flat ZP Heavy Duty	4
21	GA5001029	Nut M16 Nyloc ZP	2
22	GA5001739	Washer 20mm Flat Heavy Duty SS	4
23	GA5048125	Nut M20 Nyloc Coarse ZP	2
24	GA5001709	Nut M20 Coarse Hex ZP	2
25	GA5012203	Grease nipple, Short, 1/4" UNF	7
26	GA5065020	Chain 11mm Long link grade 100 rated 3 tonne	4
27	GA5000669	Bow shackle, 13mm, Galvanised	1
28	MACH0102	2nd stage pivot nylon washer black poly	2

## Bi-Fold - 42m Boom



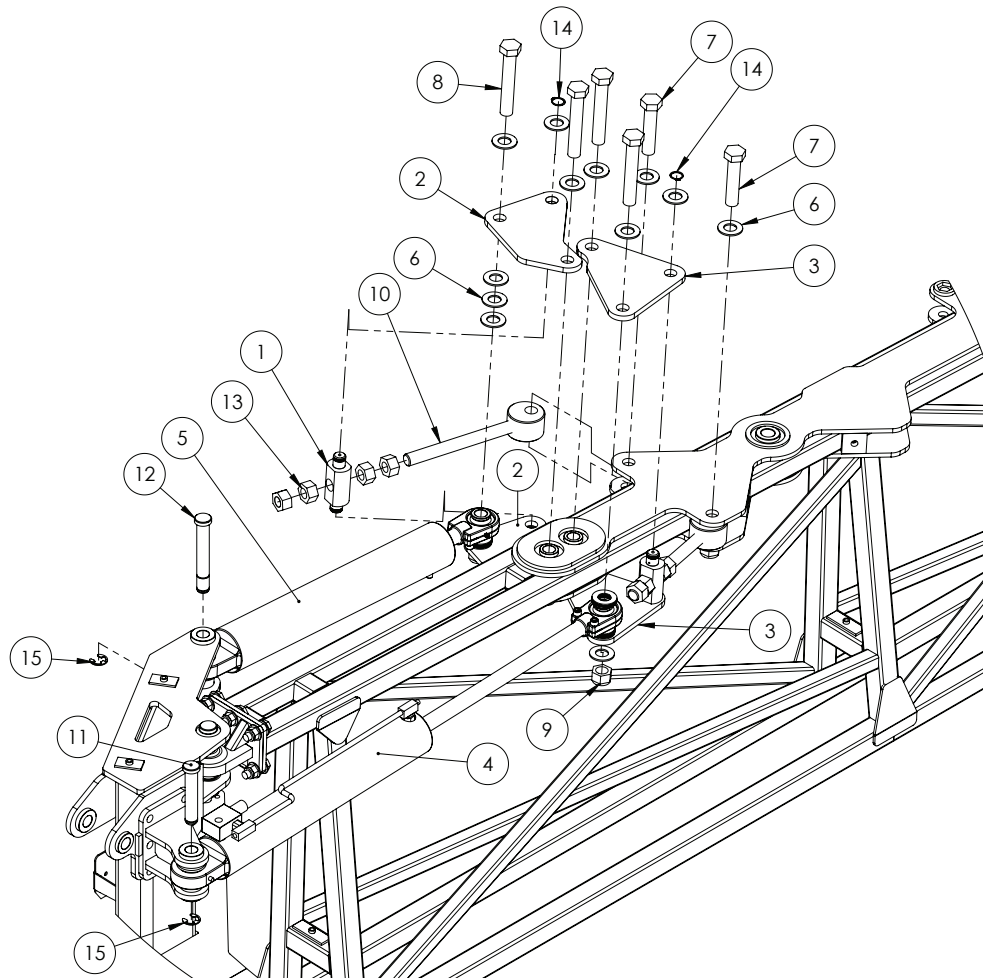
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656290	Boom Bi-fold Top Bracket	1
2	GA4659730	Boom Bi-fold Bottom Bracket 42m	1
3	GA5070845	Hydraulic Cylinder, Bifold, 42m, 293mm stroke, 2 1/2" Bore, 1 1/4" Rod	1
4	2SF-007	Pivot pin	1
5	24mk4DB006	Bush / pin, Fold ram adjuster nut and bolt retainer	2
6	GA5017681	Washer 1" x 2" 7g Flat Thin SS	4
7	GA5012203	Grease nipple, Short, 1/4" UNF	5
8	GA5020320	Cable Adjuster, threaded, M20	2
9	GA5001709	Nut M20 Coarse Hex ZP	8
10	GA5001741	Washer 20mm Flat SS Heavy Duty	4
11	GA5000939	Bolt M16 x 60 Black GR8.8	2
12	GA5001043	Washer 16mm Flat SS HD	4
13	GA5001029	Nut M16 Nyloc ZP	2
14	GA5049490	Bolt 3/4" UNC x 4" ZP GR8	1
15	GA5070335	Bolt 3/4" UNC x 5 1/2" zinc HT GR8	1
16	GA5001045	Washer, 3/4", Flat ZP	2
17	GA5048430	Nut, Nyloc, 3/4" UNC, ZP	2
18	2SF003LAS	2nd stage fold pivot washer 6mm FMS 60 od, 25.3mm id	1
19	GA5012469	Nut M24 Nyloc ZP	1
20	GA5008519	Circlip, External, 25mm	4

## Boom Fold Adjuster



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	24mk4DB005	Adjuster plate, Fold ram, TriTech boom	2
2	24mk4DB006	Bush / pin, Fold ram adjuster nut and bolt retainer	1
3	GA5010991	Nut 1" UNF 12 tpi ZP	4
4	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	15
5	GA5012445	Nut 1" UNF 14 tpi Nyloc ZP	3
6	GA5006043	Bolt 1" UNF x 6" x 14 TPI ZP GR8	2
7	GA5006039	Bolt 1" UNF x 4 1/2" ZP GR8	1
8	GA5017061	Turnbuckle, Eye ends, M22 thread & lock nut, Galvanised	1
9	GA5000669	Bow shackle, 13mm, Galvanised	2
10	GA5065020	Chain 11mm Long link grade 100 rated 3 tonne	4
11	GA5008519	Circlip, External, 25mm	2
12	GA5070775	Boom fold adjuster eyelet bolt, HD MY13	1
13	GA4905665	Cable Spring Mount 36m MY13	1

## Dual Ram Fold Adjuster - 42m

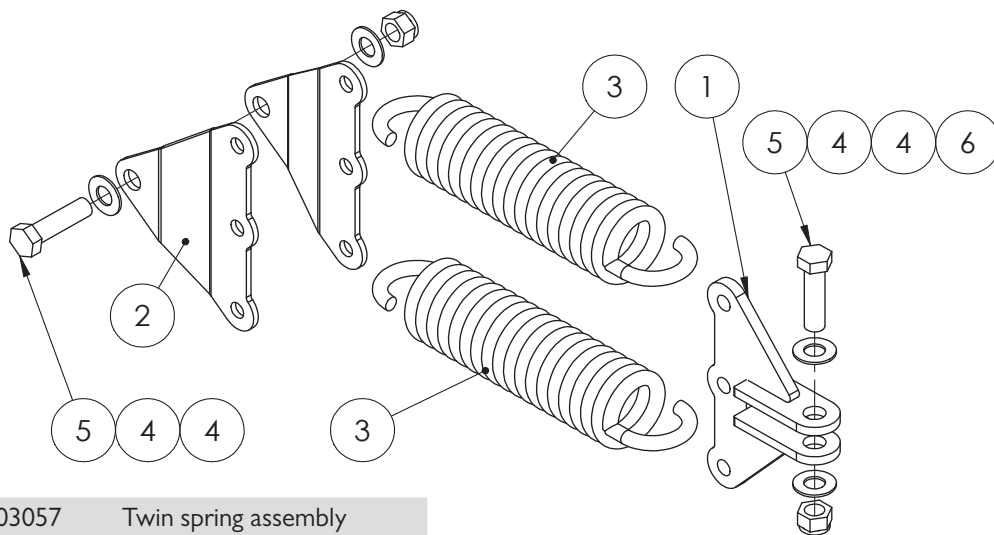


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	24mk4DB006	Bush / pin, Fold ram adjuster nut and bolt retainer	2
2	GA4506970	Fold Adjuster Plate, Rear, 42m Dual Fold Cylinder	2
3	GA4506965	Fold Adjuster Plate, Front, 42m Dual Fold Cylinder	2
4	GA5018542	Hydraulic cylinder, External phasing, 3.25"bore x 1.25" rod x 18" stroke	1
5	GA5018538	Hydraulic cylinder, 3" bore x 1.25" rod x 18" stroke, external phasing (single phase only)	1
6	GA5017681	Washer 1" x 2" 7g Flat Thin SS	30
7	GA5006039	Bolt 1" UNF x 4 1/2" ZP GR8	2
8	GA5006043	Bolt 1" UNF x 6" x 14 TPI ZP GR8	4
9	GA5012446	Nut 1" UNF 12 tpi Nyloc ZP	6
10	GA5070775	Boom fold adjuster eyelet bolt, HD MY13	2
11	GA4572200	Pin, 1" diameter x 132.4 long, With shoulder and circlip groove	1
12	L002A	Pin, 1" x 180mm, Double circlip groove	1
13	GA5010991	Nut 1" UNF 12 tpi ZP	8
14	GA5008519	Circlip, External, 25mm	4
15	GA5001223	Circlip, 19mm, E type, zinc plated	2

## Boom Cables

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	GA5000073	Cable - Lengths; TriTech 24-30mt: Front - 5140 Rear - 5760 TriTech 33-36mt: Front - 6590 Rear - 7220 TriTech 42mt: Front - 8200 Rear - 8960 TriTech Bi-Fold 36mt: Front - 6160 Rear - 6160  NOTE: Cable lengths are as measured eye to eye	2
	GA5000215	Cable End Eyelet	4
	GA5005391	Cable Ferrule	4

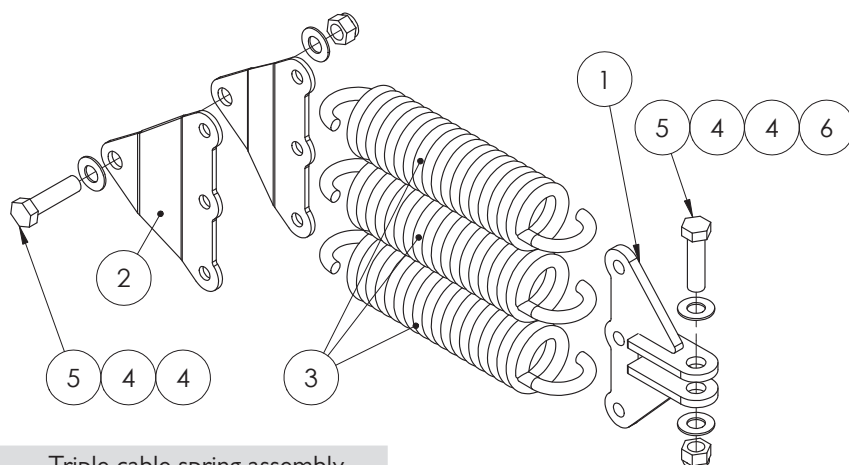
## Boom Cable Spring - Suit 24m



GA4903057 Twin spring assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656230	Mount, Boom cable spring, Suit 24 - 33 meter TriTech boom	1
2	F70057A	3 spring mounting plate suit delta boom	2
3	GA5010793	Spring, tension, 70 OD x 329 long x 12mm, large	2
4	GA5001009	Washer 16mm Flat ZP Heavy Duty	4
5	GA5000939	Bolt M16 x 60 Black GR8.8	2
6	GA5001029	Nut M16 Nyloc ZP	2

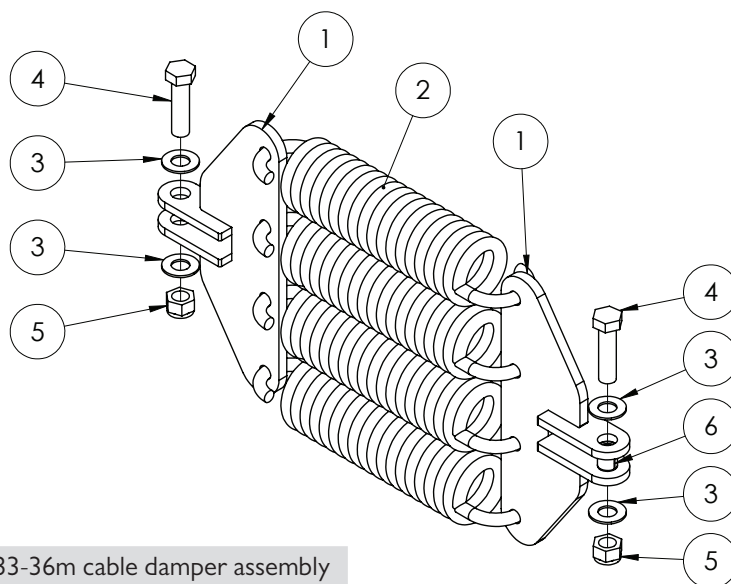
## Boom Cable Spring - Suit 28-30m



GA4903067 Triple cable spring assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656230	Mount, Boom cable spring, Suit 24 - 33 meter TriTech boom	1
2	F70057A	3 spring mounting plate suit delta boom	2
3	GA5010793	Spring, tension, 70 OD x 329 long x 12mm, large	3
4	GA5001009	Washer 16mm Flat ZP Heavy Duty	4
5	GA5000939	Bolt M16 x 60 Black GR8.8	2
6	GA5001029	Nut M16 Nyloc ZP	2

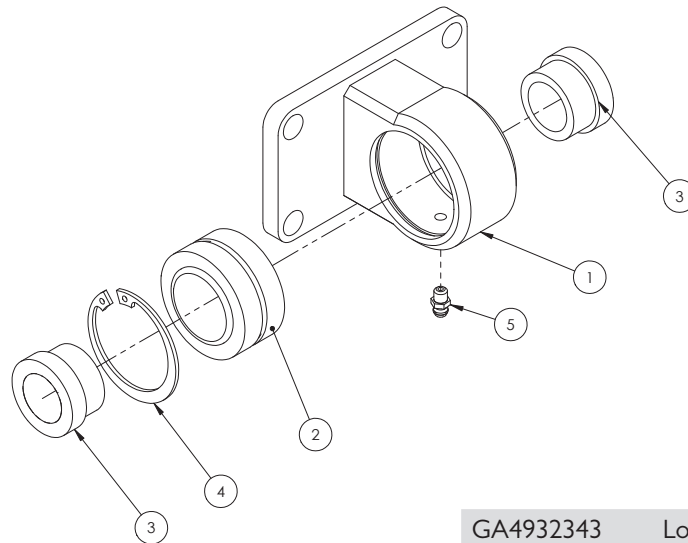
## Boom Cable Springs - Suit 33&36m



GA4905665 33-36m cable damper assembly

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	GA5001009	Washer 16mm Flat ZP Heavy Duty	4
4	GA5000939	Bolt M16 x 60 Black GR8.8	2
5	GA5001029	Nut M16 Nyloc ZP	2
6	GA5075220	Glacier bush flanged 16mm suit boom cable pivot	1

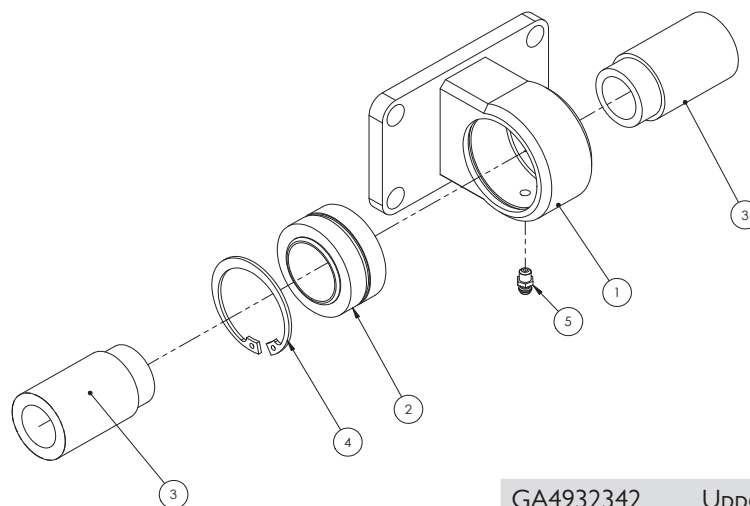
## Lower Bearing Pivot



GA4932343 Lower pivot assembly

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, 59 OD unsprung, Suit 55mm bore	1
5	GA5012203	Grease nipple, Short, 1/4" UNF	1

## Upper Bearing Pivot

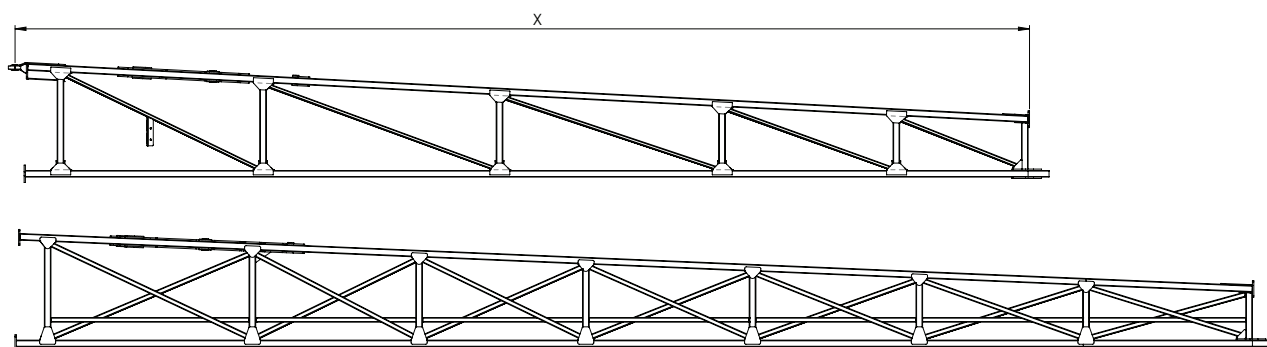


GA4932342 Upper pivot assembly

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, 59 OD unsprung, Suit 55mm bore	1
5	GA5012203	Grease nipple, Short, 1/4" UNF	1

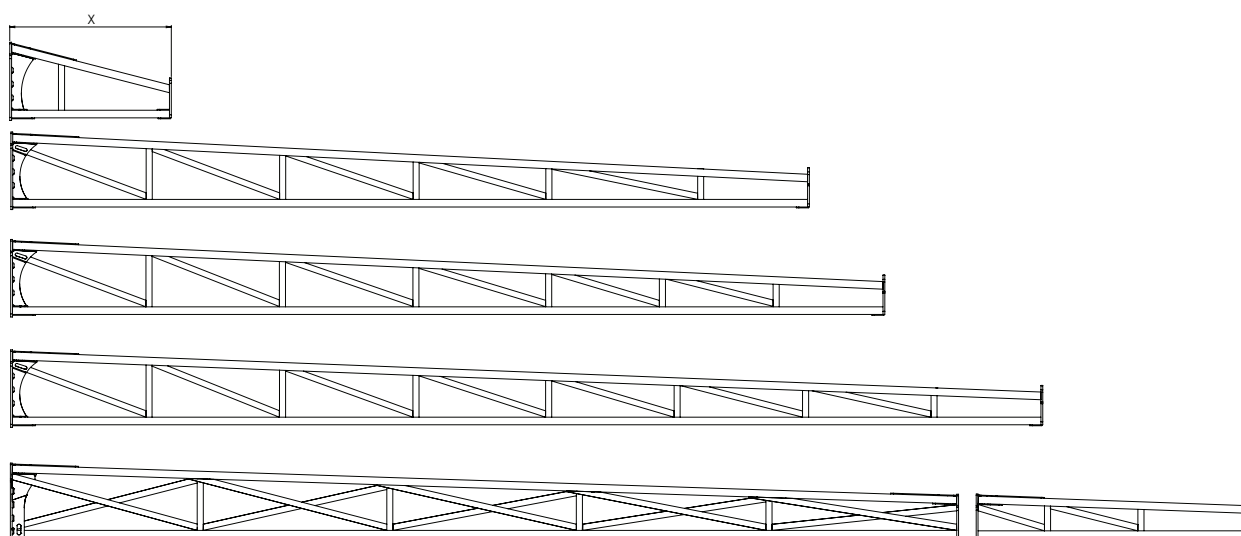


## Steel Inner Wings



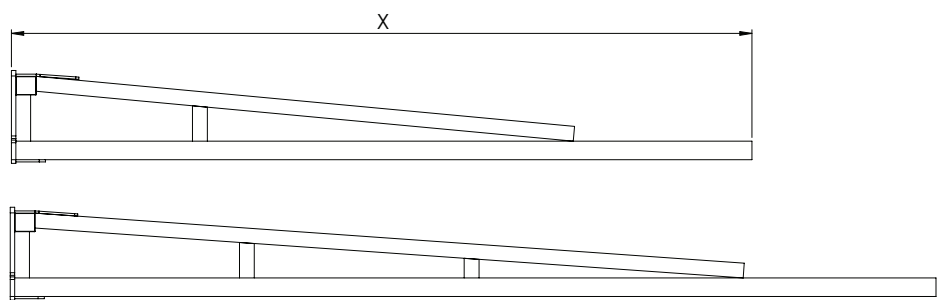
Part Number	Description
GA4656780	24-30M Boom inner Bi-Fold RH
GA4656785	24-30M Boom inner Bi-Fold LH
GA4656790	36M Boom inner Bi-Fold RH
GA4656795	36M Boom inner Bi-Fold LH
GA4659260	42M Boom inner RH
GA4659265	42M Boom inner LH

## Aluminium Outer Wings



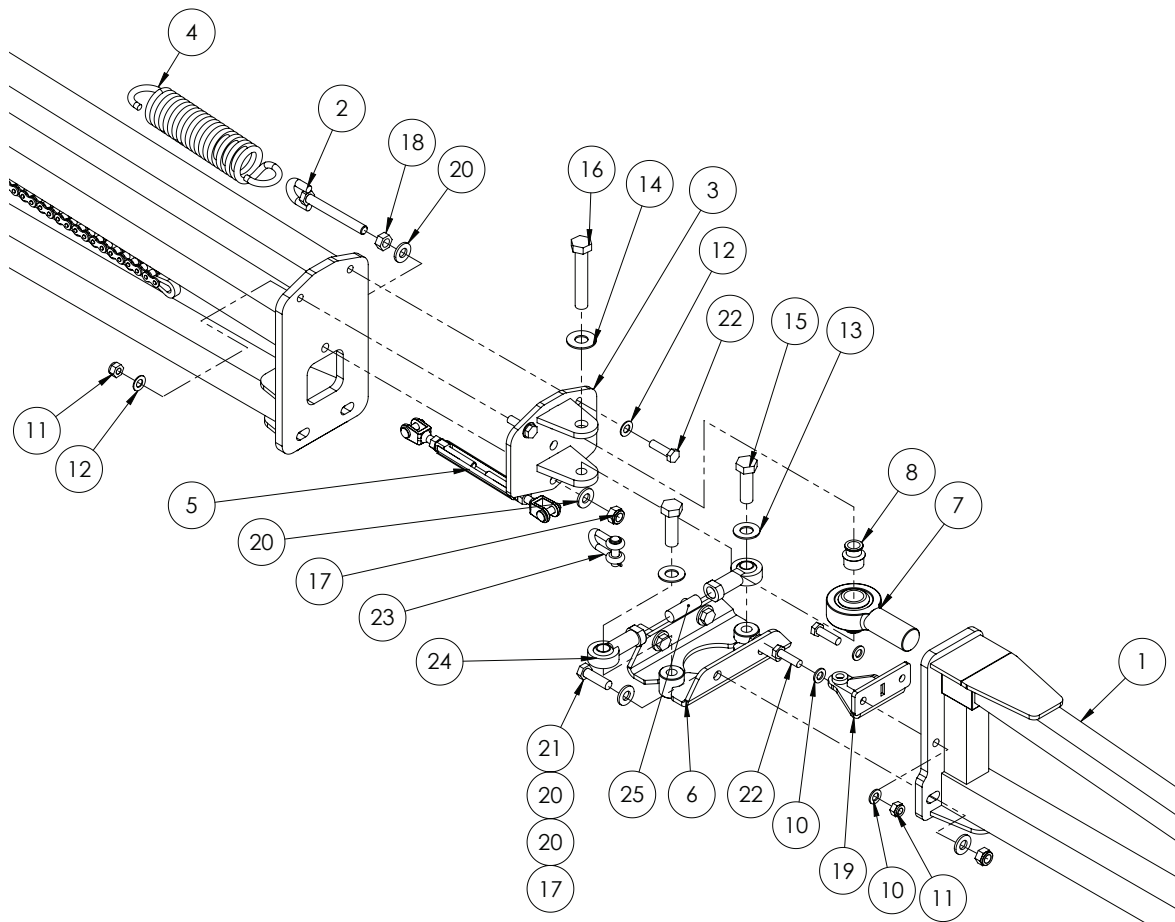
Part Number	Description
GA4659820	24m Outer boom section (1055mm Long)
GA4659925	30m Outer boom section (3749mm Long)
GA4656067	33m Outer boom section (5265mm Long)
GA4656077	36m Outer boom section (6805mm Long)
GA4659715	42m Outer boom inner section (6252mm long)
GA4659285	42m Outer boom outer section (2053mm long)

# Aluminium Break Away Tip



Part Number	Description
GA4656123	Boom breakaway end - 2m
GA4656124	Boom breakaway end - 2.5m

## Three Dimensional Breakaway 2.0



GA4906305 Three Dimensional Breakaway 2.0

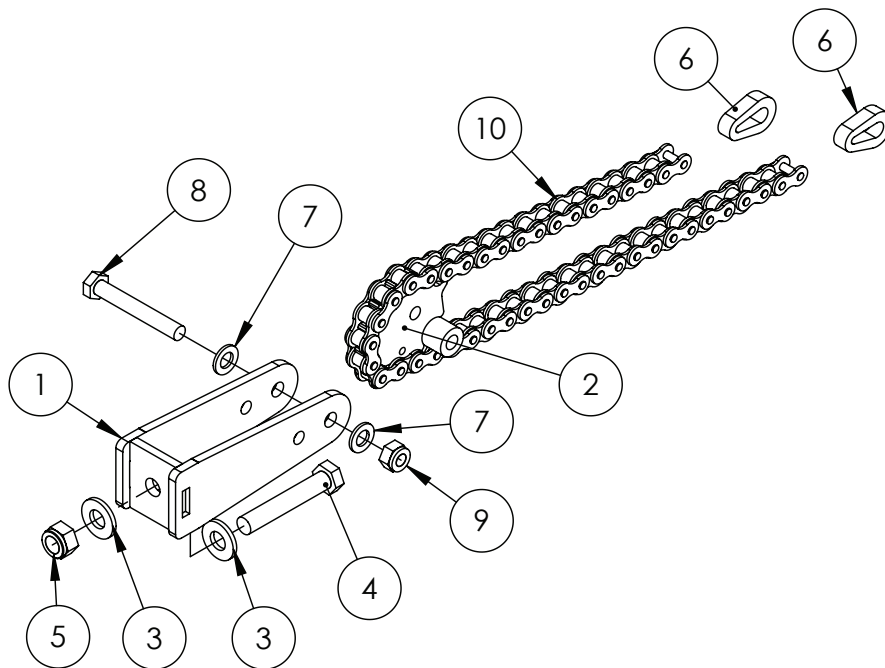
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656123	Alum Breakaway 2m, Suit 3D breakaway 2.0	1
2	GA5075150	Eye Bolt 12mm x 100mm Short	1
3	GA4656131	Rose End Clevis, Breakaway MY13	1
4	GA5016605	Spring, tension, 51.5 OD x 260 Long x 8mm, Breakaway	1
5	GA5070505	Turnbuckle / rigging screw, 10mm, SS, Clevis ends	1
6	GA4659336	Lower Pivot Bracket MK3.3	2
7	GA5070530	Rose End 1" x 1 1/4" male UNF thread	1
8	GA4552225	Spacer bush, Rose end, Suit breakaway 3D 2.0	2
9	GA4906305-1	Breakaway 3D 2.0 Mechanism Parts Production kit	1
10	GA5000117	Washer 10mm Flat SS Heavy Duty	4
11	GA5000141	Nut M10 Nyloc ZP	4
12	GA5000115	Washer 10mm Flat SS	4
13	GA5001009	Washer 16mm Flat ZP Heavy Duty	2
14	GA5001043	Washer 16mm Flat SS HD	1
15	GA5000931	Bolt M16 x 50 ZP GR8.8	2
16	GA5011297	Bolt M16 x 90 ZP GR8.8	1
17	GA5012461	Nut M12 Nyloc ZP	5

Continued over page

## Three Dimensional Breakaway 2.0

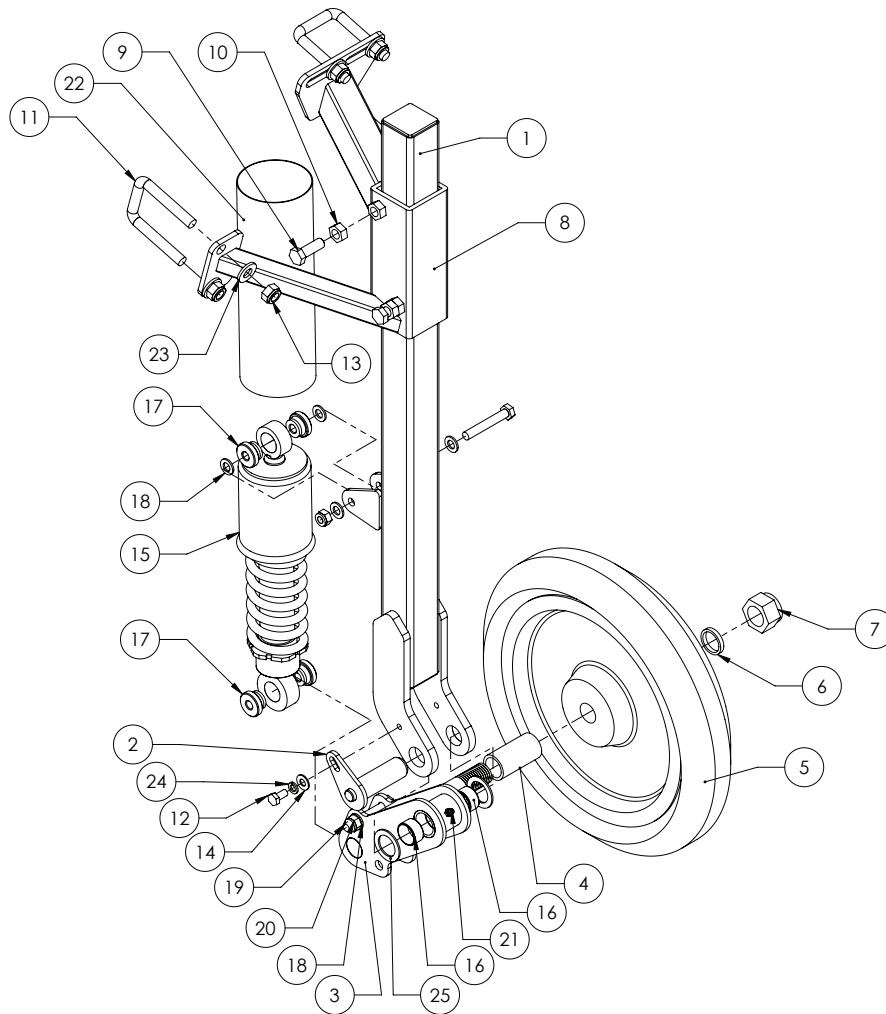
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
18	GA5000559	Nut M12 Hex ZP	1
19	GA4659810	Breakaway Hinge Bracket	1
20	GA5000577	Washer 12mm Flat SS Heavy Duty	10
21	GA5000319	Set Screw M12 x 40 ZP GR8.8	4
22	GA5006111	Bolt M10 x 35 ZP GR8.8	4
23	GA5071060	Utility Clevis 10mm	1
24	GA5014469	Rod end, Ball 16 ID, M16 female thread	2
25	GA5071105	Grub Screw M16 x 50	1
26	GA5006113	Bolt M10 x 20 ZP GR8.8	1
27	GA5012459	Nut M10 Hex ZP	1

## GA4906305-1 Breakaway Mechanism



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 Heavy Duty	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 Heavy Duty	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

## Touch Down Wheel



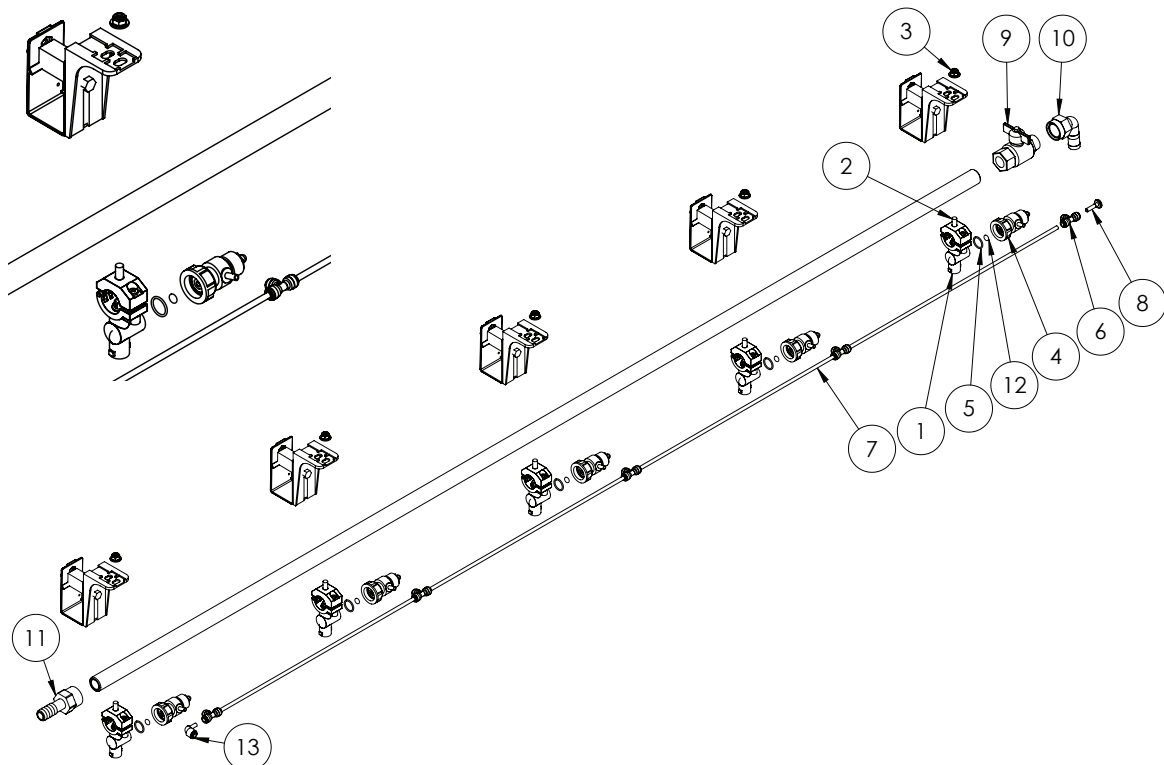
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4657650	Boom Touch Down Wheel Arm	1
2	GA4657645	Pivot Pin, suits Boom Touch Down Wheel Swing Arm	1
3	GA4657655	Swing Arm Boom Touch Down Wheel	1
4	GA4583030	Spacer Touch Down Wheel	1
5	GA5052275	Press Wheel 15" with sealed bearings	1
6	GA4535115	Bearing Washer, suits 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 Heavy Duty	1
15	GA5067085	Universal shocker 320mm eye-eye	1
16	GA5009463	Glacier Bush, ID 25 x 15mm long	2

Continued over page

## Touch Down Wheel

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
17	GA4583100	Bush, Black nylon, 30 OD x 10 ID x 16.5mm	4
18	GA5000117	Washer 10mm Flat SS Heavy Duty	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 Heavy Duty	6
24	GA5004919	Washer 8mm Spring SS	1
25	GA4522315	Washer, 27 ID x 40 OD x 2mm thick, SS	2

## RapidFire Boom Line Plumbing



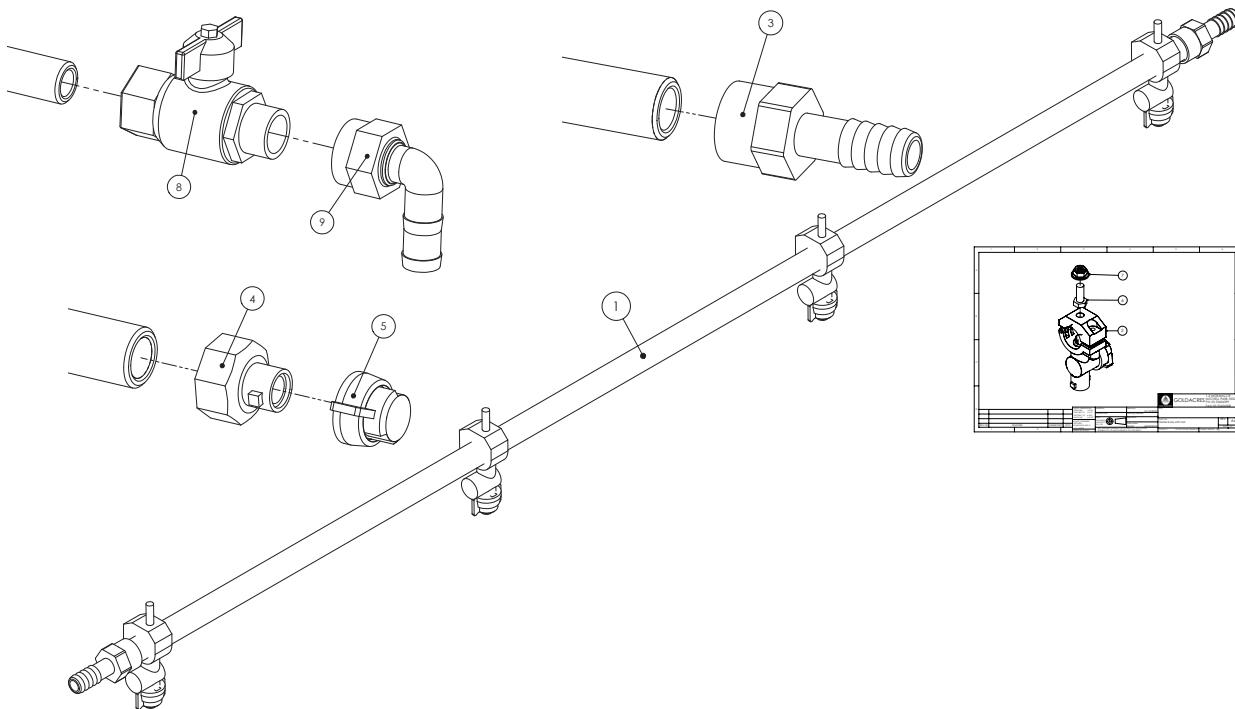
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077964	Nozzle body, Single, 3/4", Teejet, QJ17560A-3/4-NYB	5
2	GA5052595	Bolt, M8 x 20, SS	5
3	GA5070710	Nut with flange, Plastic, M8 x 1.25	5
4	GA5065520	Spray Stop, RapidFire, Suit Teejet nozzle body, Altek	5
5	GA5053135	O-ring, 18 x 2mm, Viton, Suit spray stop body	5
6	GA5016245	Tee, Equal, 6mm push in type, Black plastic	5
7	GA5004383	Tube, Nylon, 6mm, Black	4
8	GA5004405	Plug, Push in, 6mm	1
9	GA5018315	Valve, Ball, 20mm male & female thread, Black Butterfly handle	1
10	GA5077746	Hose barb, Elbow, 90 degree, 3/4" female thread x 3/4" hose	1

Continued over page

## RapidFire Boom Line Plumbing

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
11	GA5077743	Hose barb, Straight, 3/4" female x 3/4" hose	1
12	GA5065521	O-ring, 6.02 x 2.62mm, Suits spray stop inner	5
13	GA5071215	Stem Elbow, suit 6mm air line, push in	1
	GA5004385	Tube, Nylon, 6mm, Blue	
	GA5070585	Tube, Nylon, 6mm, Green	

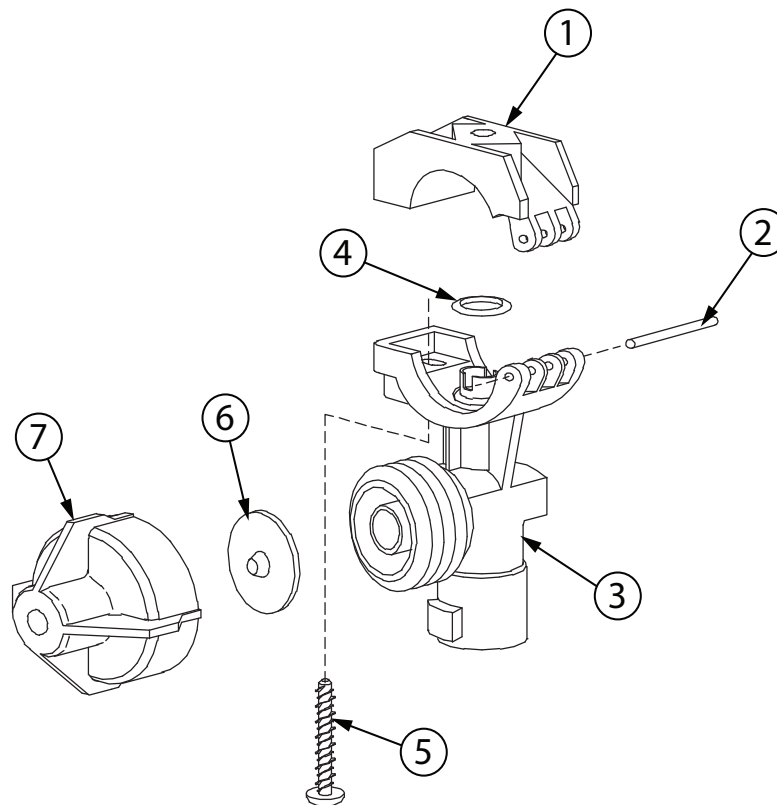
## Boom Line Plumbing



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018273	Boom line, Poly, 3/4", 1600 long, No holes	*
	GA5018275	Boom line, Poly, 3/4", 2100 long, No holes	*
	GA5018279	Boom line, Poly, 3/4", 2600 long, No holes	*
	GA5018281	Boom line, Poly, 3/4", 3100 long, No holes	*
2	GA5077964	Nozzle body, Single, 3/4", Teejet, QJ17560A-3/4-NYB	*
3	GA5077743	Hose barb, Straight, 3/4 female x 3/4 hose, Banjo, HBF075	*
4	GA5076904	Adapter, Boom flush, 3/4" female quick fitting	*
5	GA5076594	Nozzle shut off cap & washer, Teejet, 114447-1-CELR, Replaces (19843-NYR)	*
6	GA5052595	Bolt M8 x 20, SS	*
7	GA5070710	Nut with flange, Plastic, M8 x 1.25P	*
8	GA5018315	Valve, Ball, 20mm male & female thread, Black Butterfly handle	*
9	GA5077746	Hose barb, Elbow, 90 degree, 3/4 female thread x 3/4 hose, Banjo, HBF075-90	*

\* Quantities will vary depending on boom size and number of sections.

## Teejet Single Nozzle Body



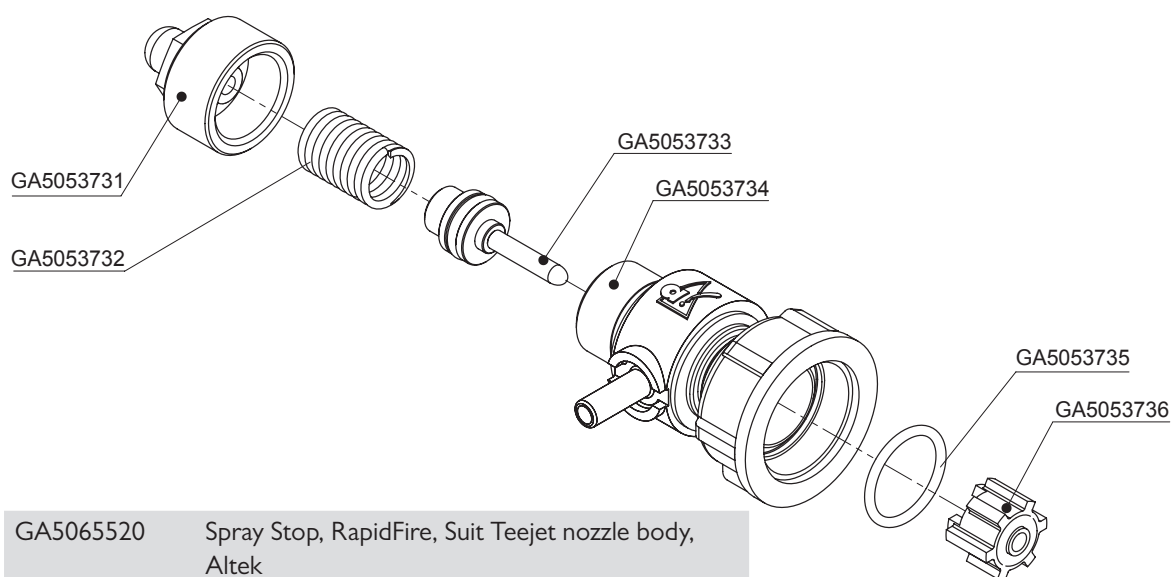
QJ17560A-3/4-  
NYB      Nozzle body, Single, 3/4",  
Teejet

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077532	Clamp, Nozzle body, 3/4, Teejet, CP48221-NYB	
2	GA5077537	Pin, Nozzle body clamp, Teejet, CP48256-SS	1
3	GA5077538	Nozzle Body, 3/4", Teejet, CP48498-NYB	1
4	GA5077596	O ring, 14.5 x 2.5, Buna, CP7717-2/110-BU, Suits QJ7421 Series Nozzle Bodies.	1
	GA5077597	O-RING, VITON, CP7717-2/110-VI, Suits QJ7421 Series Nozzle Bodies.	
5	GA5077536	Screw, suit Teejet Nozzle bodies QJ360 and QJ17560, 1-1/4 long, SS, CP48255-11/4-302SS	1
6	GA5077439	Chemsaver, Diaphragm, CP21953-EPR, Teejet	1
	GA5077440	Diaphragm, Viton, Nozzle body check valve, Teejet	
7	GA5076670	Chemsaver, 10psi, Black, Teejet, 21950-10-NYB	1
	GA5055245	Washer, Nozzle cap seal, Rubber, 19 OD x 9mm ID	1
	GA5077159	Filter, Nozzle Tip, 50 Mesh, Polypropylene, SS, Teejet, 8079-PP-50	
	GA5077160	Filter, Nozzle Tip, 80 Mesh, Polypropylene, SS, Teejet, 8079-PP-80	
	GA8100464	Nozzle Cap, Black, Teejet, Suit Flat Spray Smaller Capacity Nozzles (up to 08), CP114440-1-CE, Replaces (CP25611-1-NY)	

NOTE: Only parts that are available through Goldacres are listed for the nozzle above. For a full parts listing, see the Teejet\Lechler website.

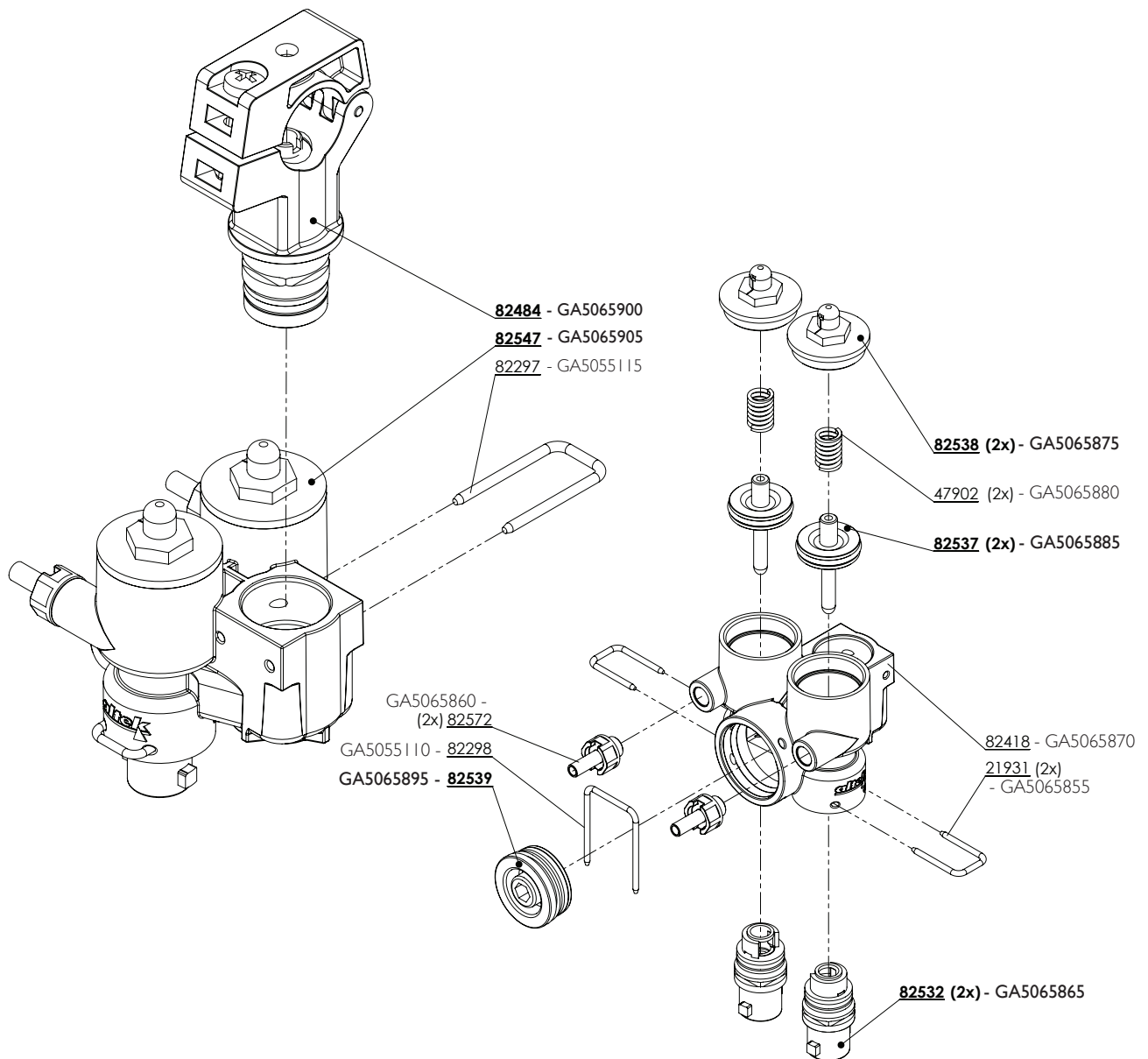


## Altek Spray Stop Spare Parts



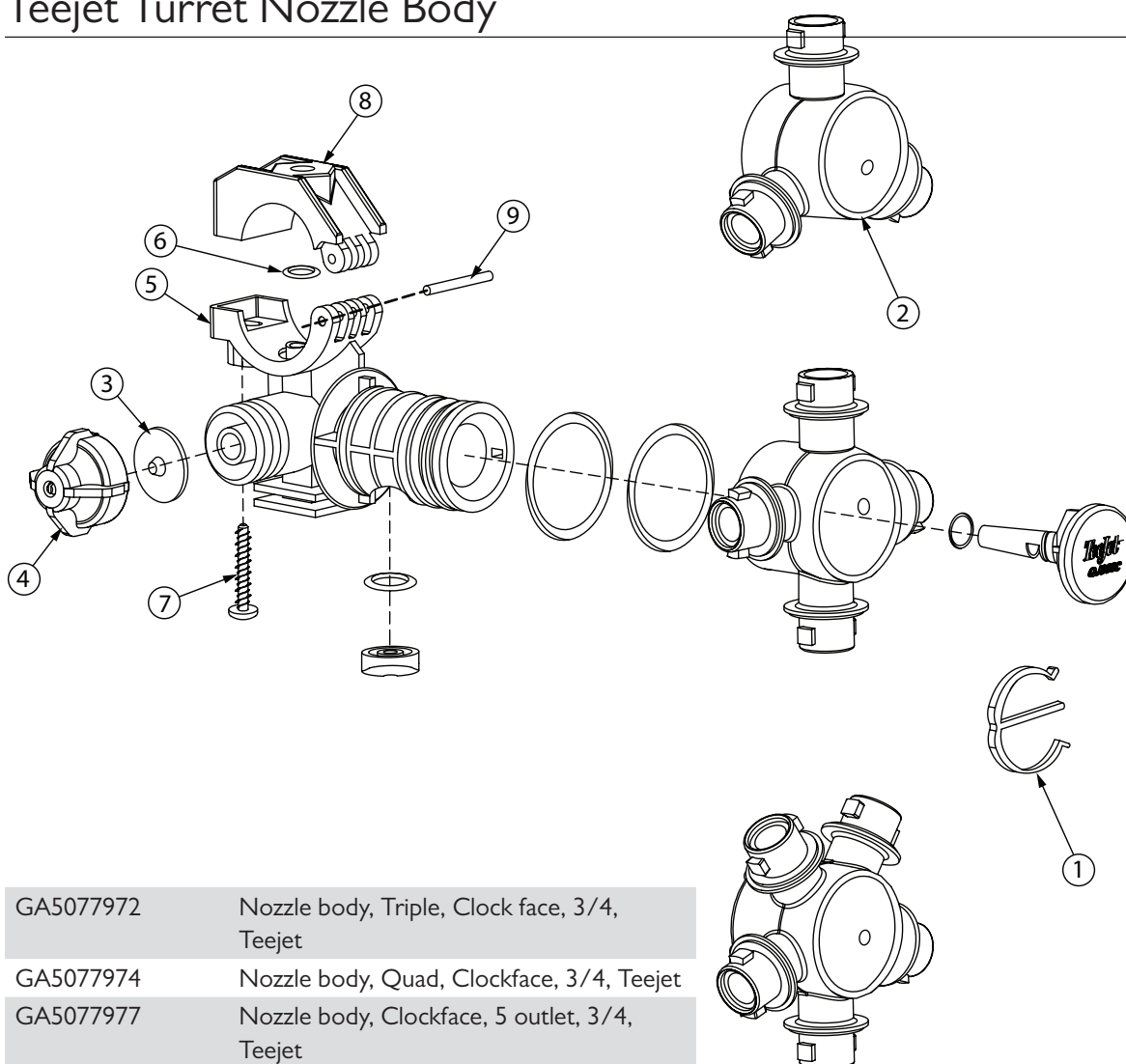
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5053731	End Cap with Breather	1
2	GA5053732	Spring, 10 Bar	1
3	GA5053733	Piston	1
4	GA5053734	Valve Body	1
5	GA5053735	O-ring external	1
6	GA5053736	Plunger	1

# Altek Dual Nozzle Body



PART NUMBER	DESCRIPTION	QTY.
GA5065900	Nozzle body clamp, 3/4", Altek	1
GA5065905	Lower body, Multi spray, Altek	1
GA5055115	U clip, 20 x 40 x 3mm, Suit altek nozzle body GA5065845	1
GA5065875	Top cap, suit altek nozzle body	2
GA5065880	Spring, suit altek nozzle body	2
GA5065885	Plunger, suit altek nozzle body	2
GA5065870	Outer body, suit Altek twin nozzle body	1
GA5065855	U Clip, suit Altek nozzle body	2
GA5065865	Outlet, Valve inner, Nozzle body, Altek	2
GA5065860	Hose barb, Air fitting, 6mm hose x male thread, Suit Altek nozzle body	2
GA5055110	U Clip, 30 x 41 x 2.5mm to suit GA5065845	1
GA5065895	Shutoff Plug, suit Altek nozzle body	1

## Teejet Turret Nozzle Body

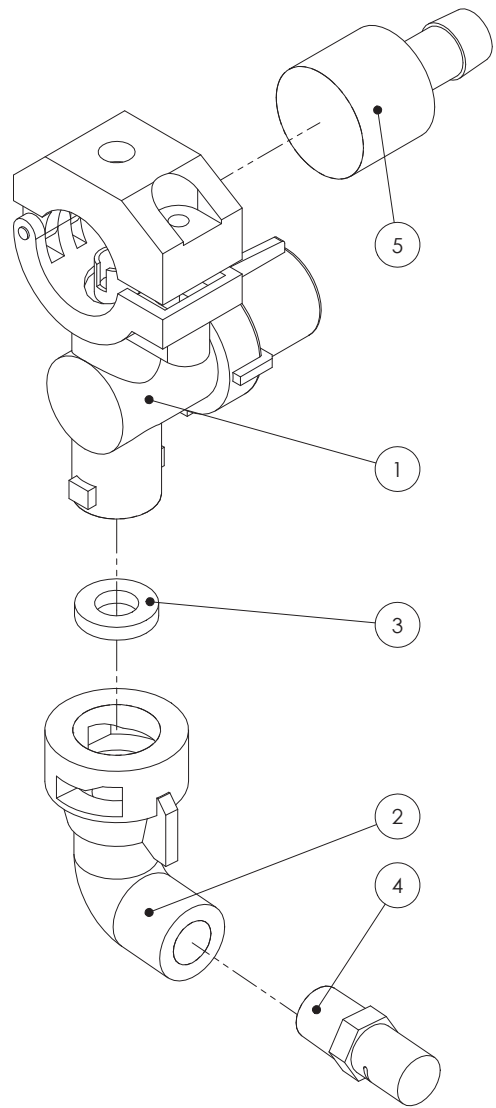


GA5077972	Nozzle body, Triple, Clock face, 3/4, Teejet
GA5077974	Nozzle body, Quad, Clockface, 3/4, Teejet
GA5077977	Nozzle body, Clockface, 5 outlet, 3/4, Teejet

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077496	E clip, Nozzle body, Teejet, CP38931-NYB	1
2	GA5077491	Nozzle body turret, 3 outlet clock face style, Teejet, CP38921-2-NYB	1
3	GA5077439	Chemsaver, Diaphragm, CP21953-EPR, Teejet	1
	GA5077440	Diaphragm, Viton, Nozzle body check valve, Teejet	1
4	GA5076670	Chemsaver, 10psi, Black, Teejet, 21950-10-NYB	1
5	GA5077493	3/4360C BODY NYLON, CP38925-2-NYB	1
	GA5077596	O ring, 14.5 x 2.5, Buna, CP7717-2/110-BU, Suits QJ7421 Series Nozzle Bodies.	1
6	GA5077597	O-RING, VITON, CP7717-2/110-VI, Suits QJ7421 Series Nozzle Bodies.	1
7	GA5077536	Screw, suit Teejet Nozzle bodies QJ360 and QJ17560, 1-1/4 long, SS, CP48255-11/4-302SS	1
8	CP48221-NYB	Clamp, Nozzle body, 3/4", Teejet	1
9	GA5077537	Pin, Nozzle body clamp, Teejet, CP48256-SS	1

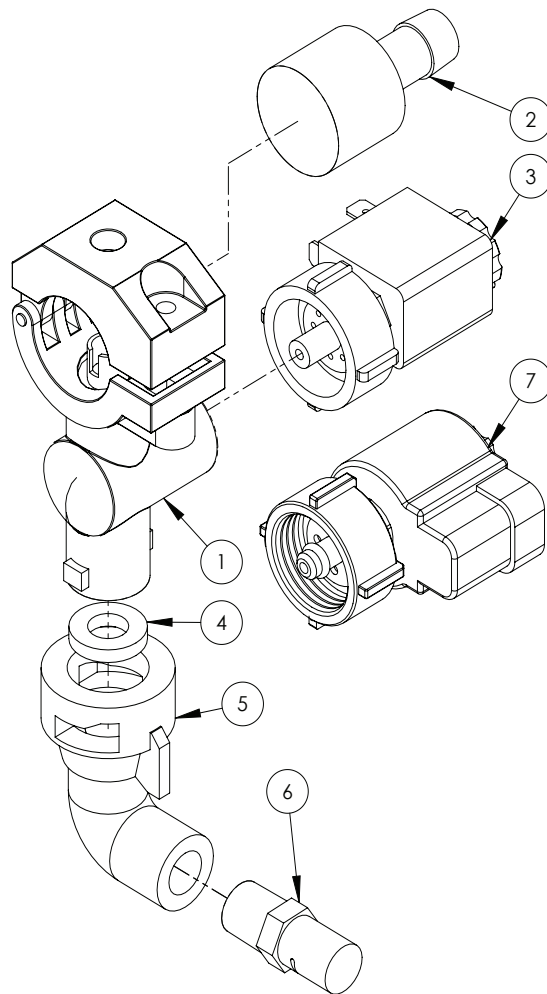
NOTE: Only parts that are available through Goldacres are listed for the nozzle above. For a full parts listing, see the Teejet website.

# Manual Fence Line Nozzle



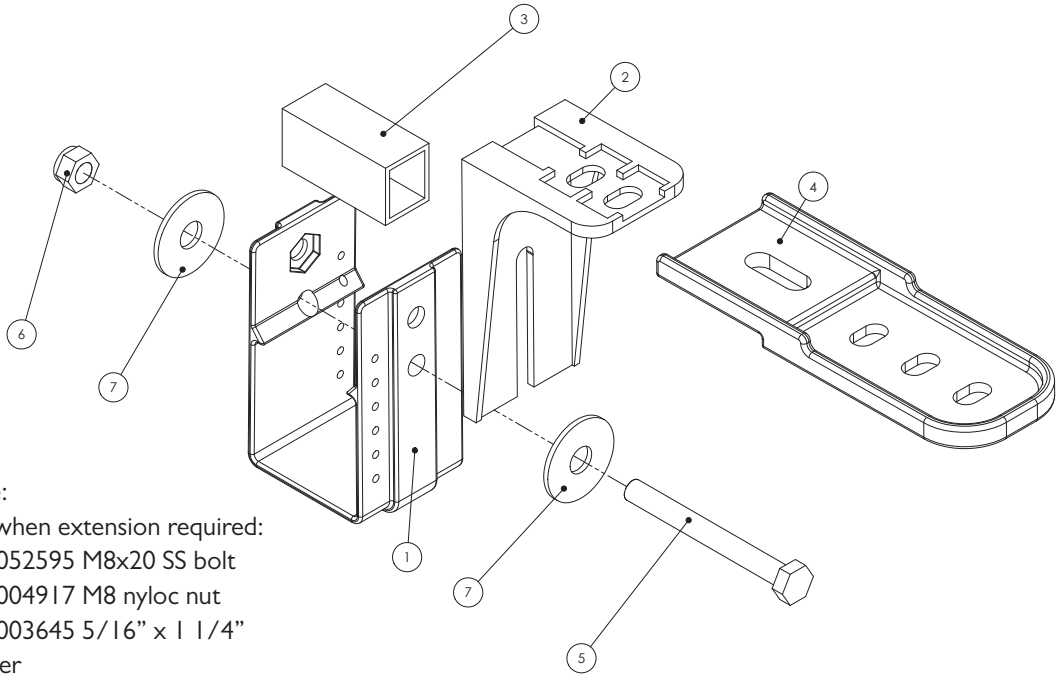
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077074	Chemsaver, Manual shutoff, Maximum 150psi pressure, Teejet, 58140-NYB	1
2	GA5077986	Nozzle cap & washer, 90 degree cap, 1/4" NPT female outlet, Teejet, QJ4676-90-1/4-NYR	1
3	GA5055245	Seat Washer, Rubber	1
4	GA8100339	Nozzle, Fence line, Orange, Polymer, Left side, 1/4" NPT, Teejet, 1/4XPI0L	1
	GA8100338	Nozzle, Fence line, Orange, Polymer, Right side, 1/4" BSPT, Teejet, B1/4XPI0R	1
5	GA5077497	Hose barb suit nozzle body, Single 1/2, Nylon, Teejet, CP38936-NYB	1

## Solenoid Operated Fence Line Nozzle



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077074	Chemsaver, Manual shutoff, Maximum 150psi pressure, Teejet, 58140-NYB	1
2	GA5077497	Hose barb suit nozzle body, Single 1/2, Nylon, Teejet, CP38936-NYB	1
3	GA5071785	Solenoid, e-Chemsaver suit 2 Pin Metri-pack, Fence Line, 116950-12, Teejet	1
4	GA5055245	Washer, Nozzle cap seal, Rubber, 19 OD x 9 ID	1
5	GA5077986	Nozzle cap & washer, 90 degree cap, 1/4" NPT female outlet, Teejet, QJ4676-90-1/4-NYR	1
6	GA8100339	Nozzle, Fence line, Orange, Polymer, Left side, 1/4" NPT, Teejet, 1/4XPI0L	1
	GA8100338	Nozzle, Fence line, Orange, Polymer, Right side, 1/4" BSPT, Teejet, B1/4XPI0R	1
1 & 3	GA5077651	Nozzle body, Solenoid fence line, Electric shut off, 3/4"	1
7	GA5071785	Solenoid, e-Chemsaver suit 2 Pin Metri-pack, Fence Line	1
-	GA3000047	Electrical Harness, e-Chemsaver Fence Line Solenoid, 2 Pin Female Weatherpak to 2 Pin Female Metri-Pack, 0.5m, Teejet	1

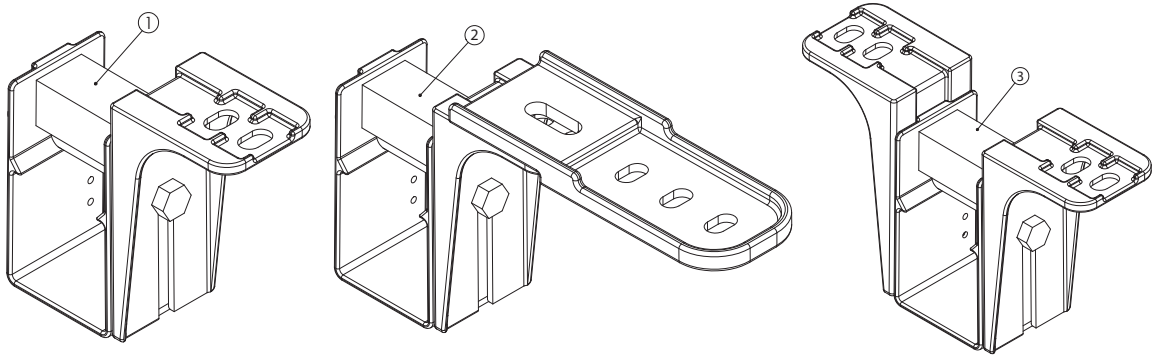
# Adjustable Nozzle Brackets



Note:  
Use when extension required:  
GA5052595 M8x20 SS bolt  
GA5004917 M8 nyloc nut  
GA5003645 5/16" x 1 1/4" washer

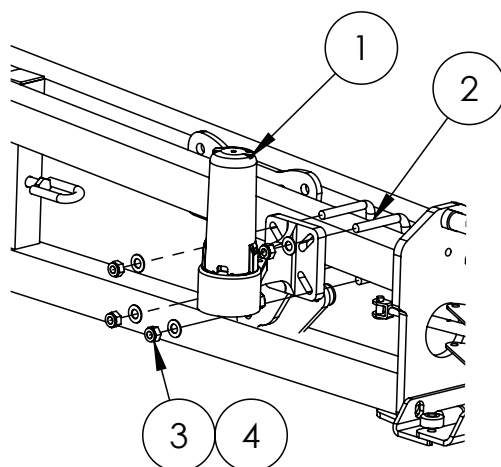
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018259	Nozzle bracket, plastic, U shape	1
2	GA5018257	Nozzle bracket, plastic, L shape, short	1
	GA5018258	Nozzle bracket, plastic, L shape, long	
3	GA5066965	Spacer, square, plastic, 21 x 24 x 50mm, suits nozzle brackets	1
4	GA5018255	Bracket, Nozzle extension, Plastic	1
5	GA5004741	Bolt M8 x 75 ZP GR8.8	1
6	GA5004917	Nut M8 Nyloc ZP	1
7	GA5003645	Washer, 5/16" ID x 1 1/4" OD, Flat SS	2

## Pre Packaged Kits



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

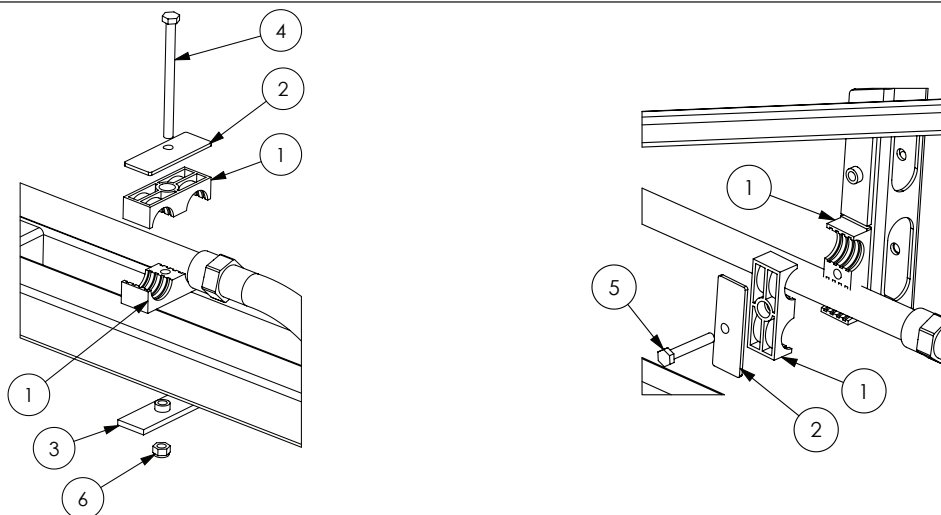
## UltraGlide Sensor Mount



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075810	Sensor, Ultrasonic, Digital, 4 Pin, Centre, Raven, 0630130018	1
	GA5075809	Sensor, Ultraglide Moulded Left, Raven, 0630130014	1
	GA5075807	Sensor, Ultraglide Moulded Right, Raven, 0630130012	1
2	GA5011251	U bolt, Square top, M12 x 52mm x 80mm	6
3	GA5000115	Washer 10mm Flat SS	13
4	GA5000141	Nut M10 Nyloc ZP	12

Note: Quantity is for the 3 sensor kit

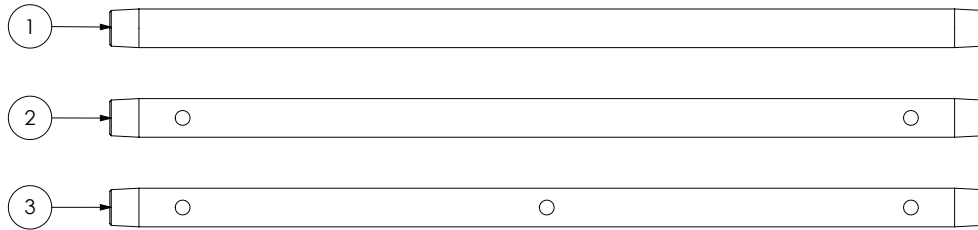
## Boom Poly Pipe Clamps



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078038	Mounting clamp, Double type, Jaw, Pair, Group 4, 28mm, RCD-28J	*
2	GA5078049	Mounting clamp, Double type, Plate, Top, Group 4, RCD-4PT	*
3	GA5078048	Mounting clamp, Double type, Plate, Bottom, Group 4, RCD-4PB	*
4	GA5004933	Bolt M8 x 110 ZP GR8.8	*
5	GA5004727	Bolt M8 x 50 ZP GR8.8	*
6	GA5052590	Nut M8 Nyloc SS	*

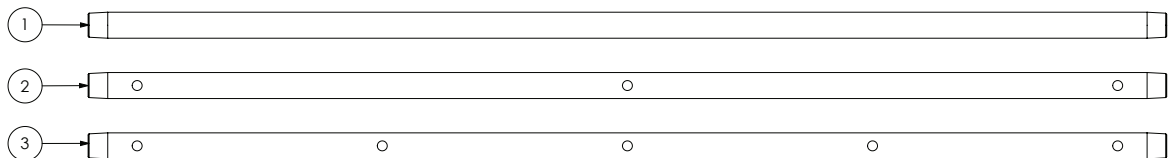
\* Quantities vary

## 600mm Boom Poly



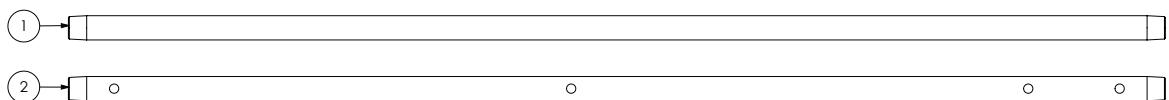
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018287	Boom line, Poly, 3/4", 600 long, No holes	1
2	GA2000510	Boom line, Poly, 3/4", 600 long, 2 holes, 500mm spacing	1
3	GA2000511	Boom line, Poly, 3/4", 600 long, 3 holes, 250mm spacing	1

## 1100mm Boom Poly



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

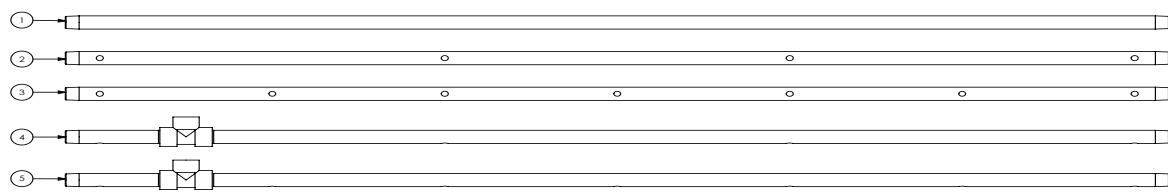
## 1200mm Boom Poly



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

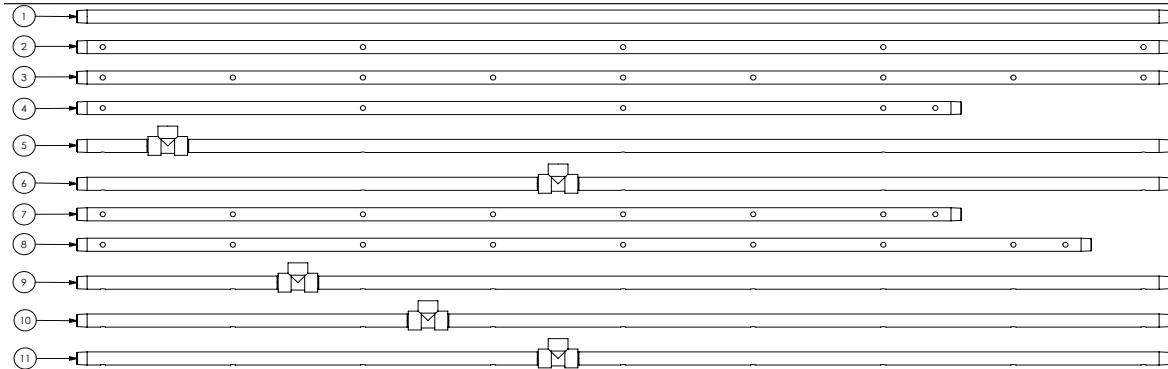


## 1600mm Boom Poly



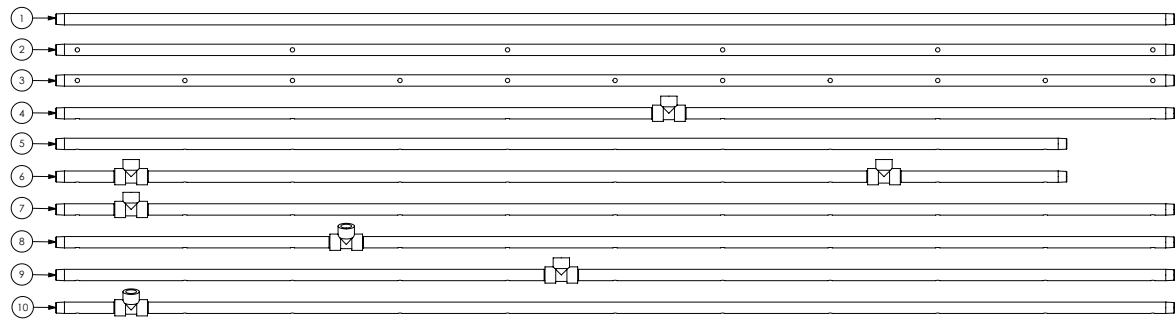
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018273	Boom line, Poly, 3/4", 1600 long, No holes	1
2	GA2000500	Boom line, Poly, 3/4", 1600 long, 4 holes, 500mm spacing	1
3	GA2000501	Boom line, Poly, 3/4", 1600 long, 7 holes, 250mm spacing	1
4	GA2000520	Boom line, Poly, 3/4", 1600 long, 4 holes, 500mm spacing,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

## 2100mm Boom Poly



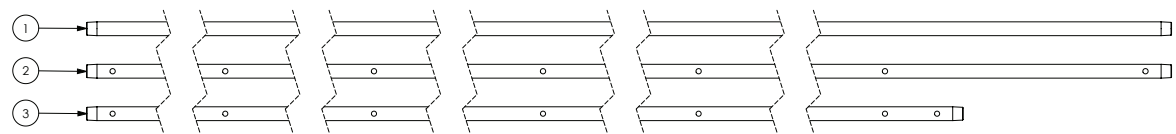
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018275	Boom line, Poly, 3/4", 2100 long, No holes	1
2	GA2000502	Boom line, Poly, 3/4", 2100 long, 5 holes, 500mm spacing	1
3	GA2000503	Boom line, Poly, 3/4", 2100 long, 9 holes, 250mm spacing	1
4	GA2000525	Boom line, Poly, 3/4", 1700 long, 4 holes plus fenceline,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

## 2600mm Boom Poly



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

## 3100mm Boom Poly



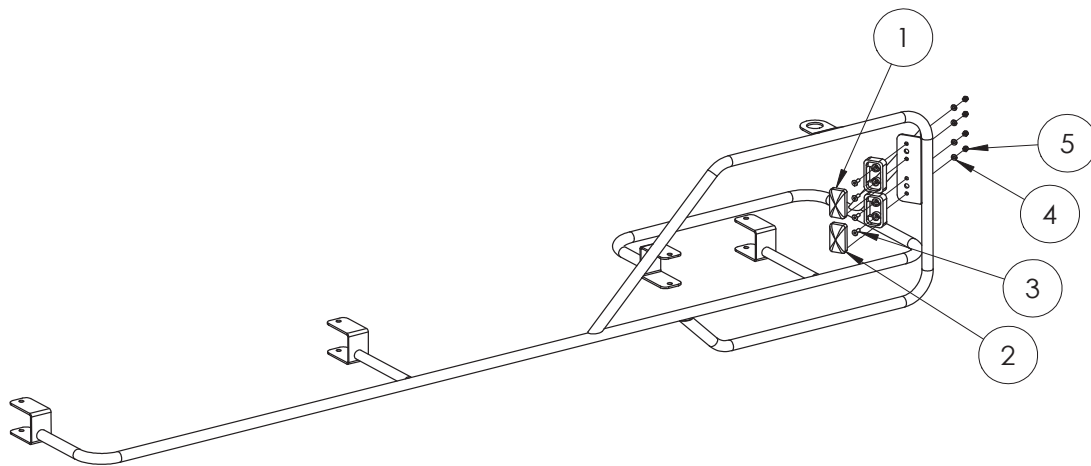
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018281	Boom line, Poly, 3/4", 3100 long, No holes	1
2	GA2000508	Boom line, Poly, 3/4", 3100 long, 7 holes, 500mm spacing	1
3	GA2000550	Boom line, Poly, 3/4", 2700 long, 6 holes, 500mm spacing	1



# Chapter 15

## ELECTRICS

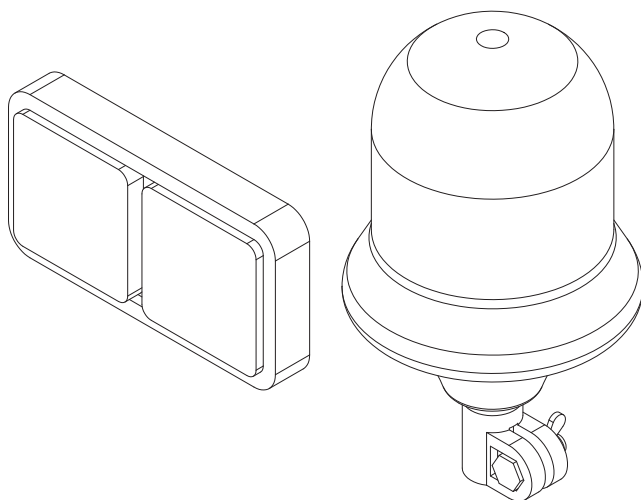
### Boom LED Lights



Note: GA5060262 Boom fence line suit dual solenoid loom  
Not shown

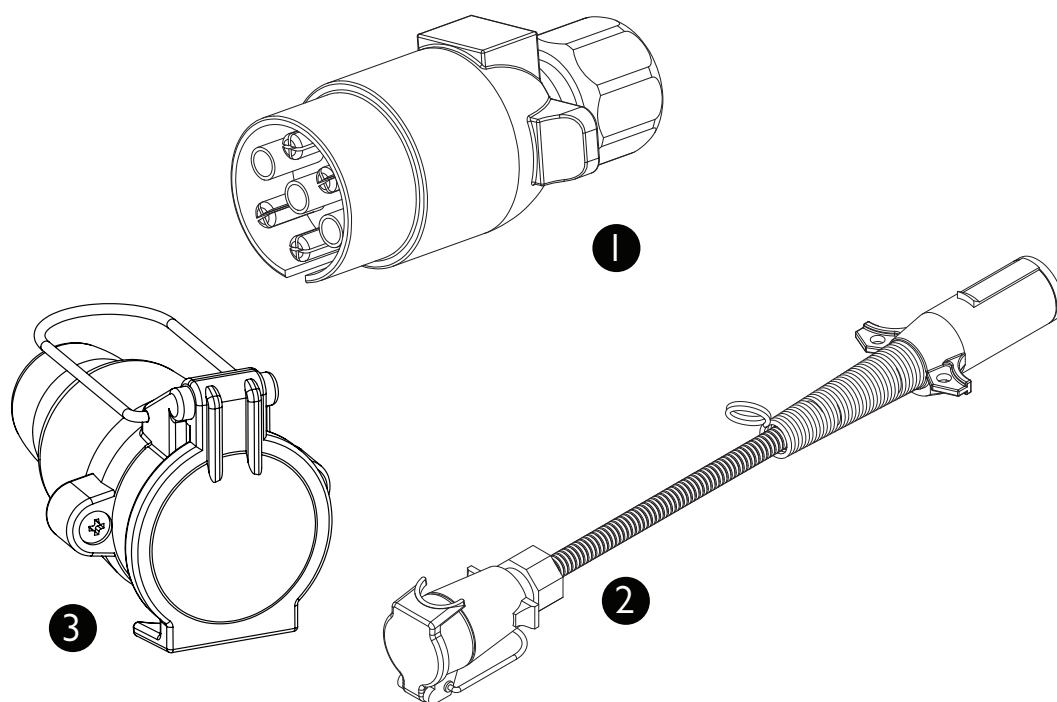
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5060057	Clearance light with connector, Orange LED	1
2	GA5060056	Clearance light with connector, Red LED	1
3	GA5051230	CSCS M5 x 16 Countersink SS	4
4	GA5003983	Washer 5mm Flat SS	4
5	GA5003975	Nut M5 Nyloc SS	4

## Lights



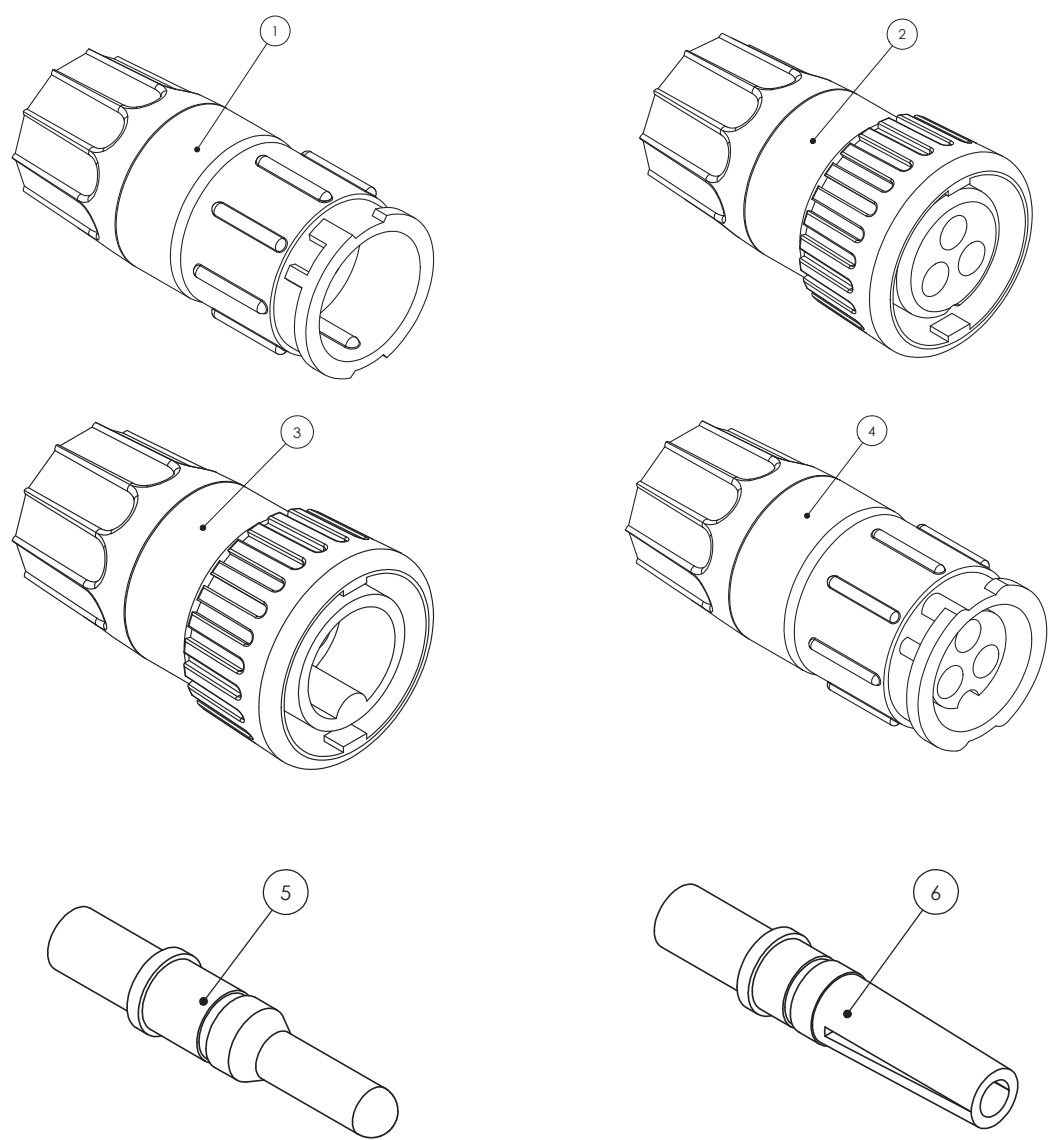
PART NO	DESCRIPTION
GA5018786	Lamp, LED, 12V, Brake / tail light / indicator, 190 x 100mm
GA5048975	Beacon, Rotating, Amber, DIN A pole mount, HI globe

## Electrical Components



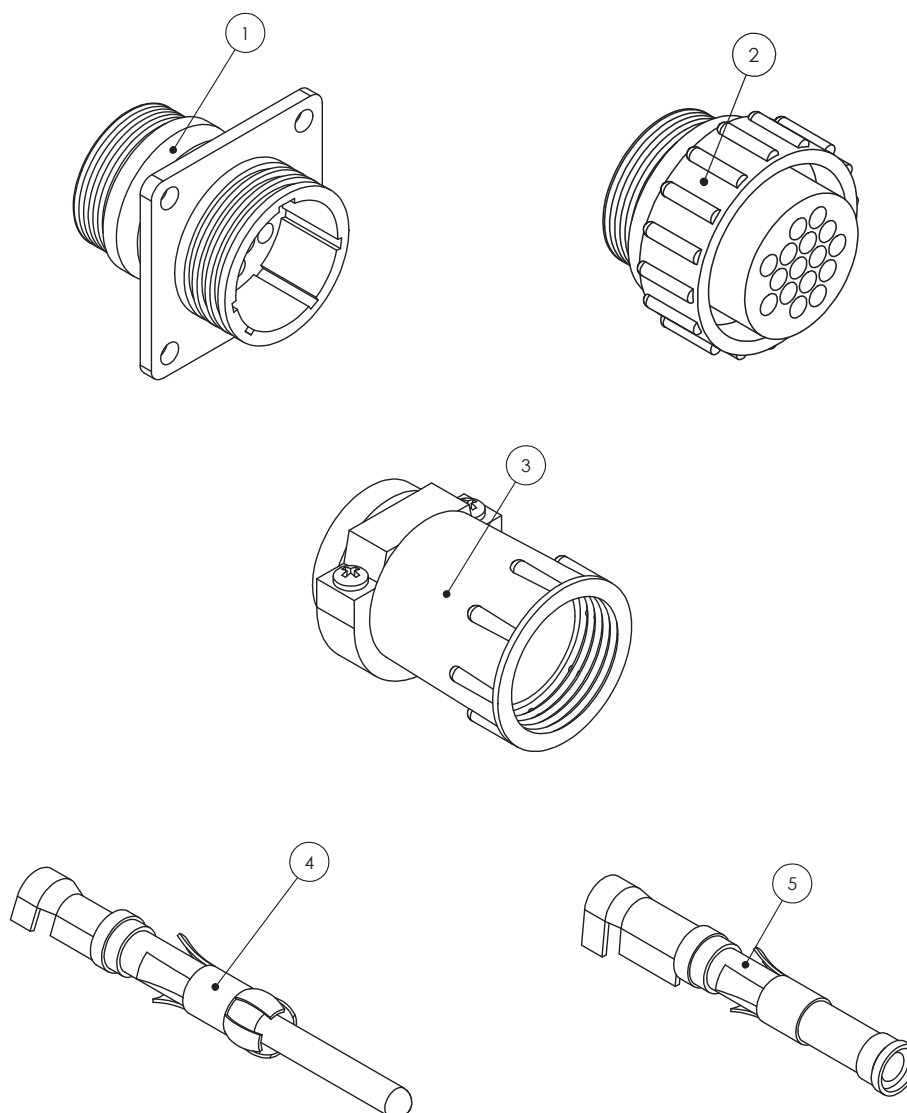
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5004477	Plug, 7 pin trailer type, Male, Plastic
2	GA5060350	Electrical harness, Adaptor, 7 pin female trailer plug to North American style male trailer plug
3	GA5004479	7 Pole Remote Base

# Raven (AMP) Electrical Connectors



ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5076921	Connector, 3 Pin kit, Flow Meter, Including Male Pins, Raven, 4084001014
2	GA5076922	Connector, 3 Pin kit, Flow Meter, Including Female Pins, Raven, 4084001015
3	GA5076920	Connector, 3 Pin Kit, Speed Sensor, including Male Pins, Raven, 4084001010
4	GA5076923	Connector, 3 Pin kit, Speed Sensor, Including Female Pins, Raven, 4084001016
5	GA5076927	Pin, 16-20 Gauge, Male, Suit Speed Sensor - Flow Meter, Raven, 4084001062
6	GA5076928	Pin, 16-20 Gauge, Female, Suit Speed Sensor - Flow Meter, Raven, 4084001063

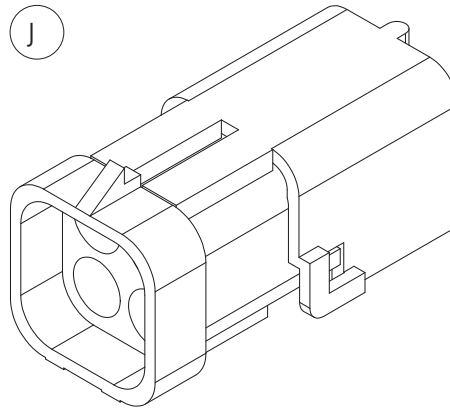
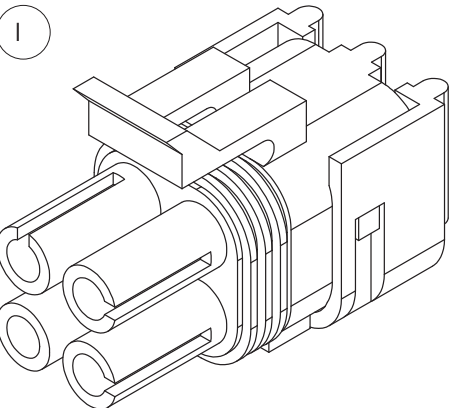
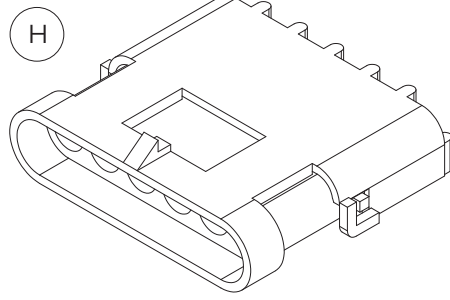
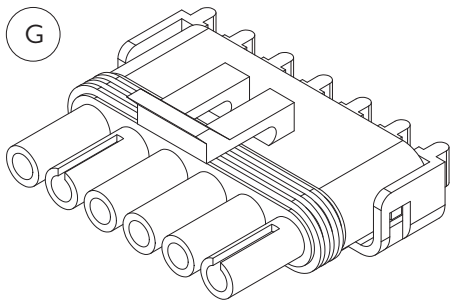
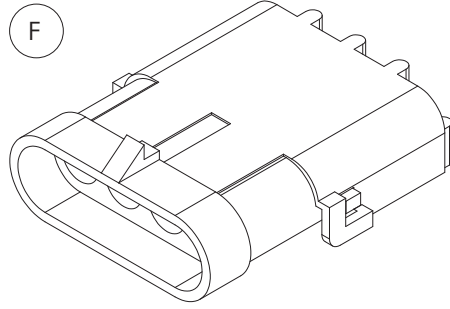
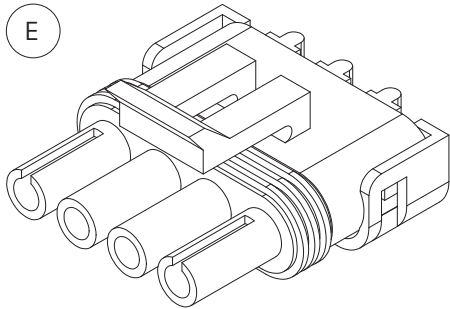
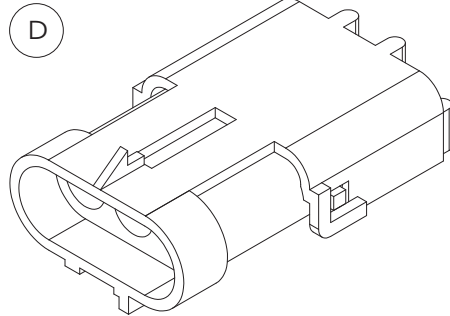
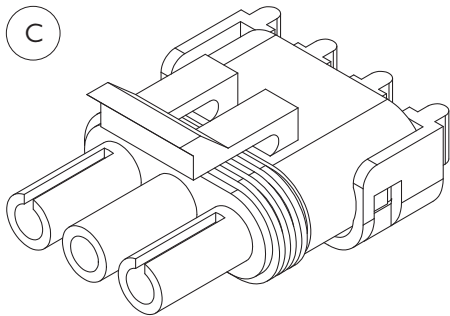
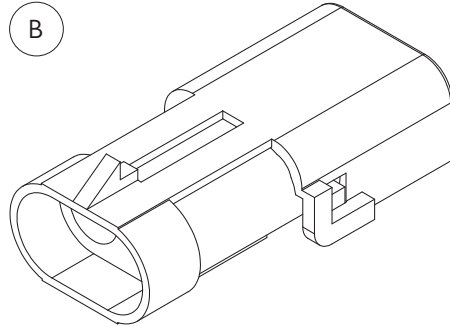
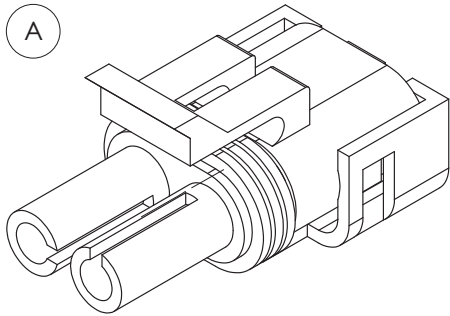
## Raven (AMP) Electrical Connectors



ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5076924	Connector, 16 Pin AMP, Square Flange, Suit Male Pins, Raven, 4084001017, 206036-1
2	GA5076925	Connector, 16 Pin AMP, Suit Female Pins, Raven, 4084001018, 206037-1
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

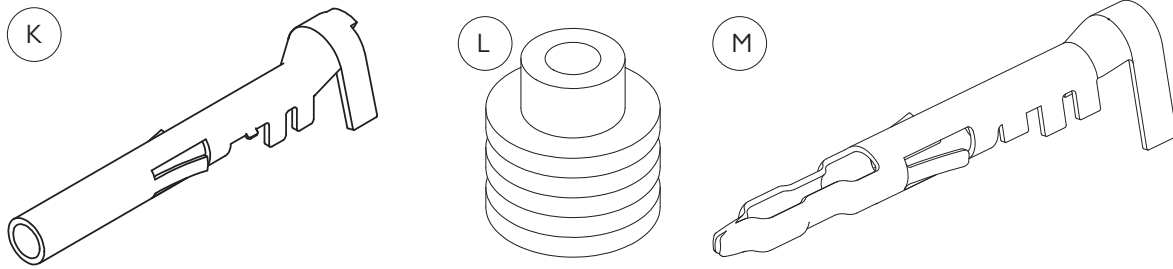
# Electrical Connectors

---





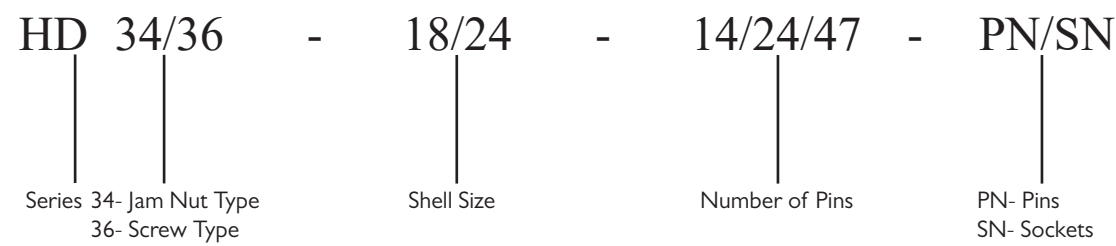
## Electrical Connectors



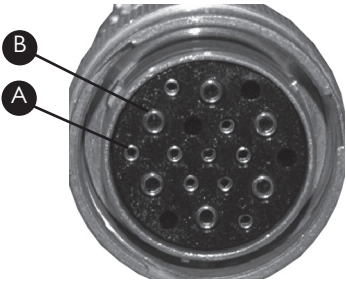
ITEM NO.	PART NUMBER	DESCRIPTION
A	GA5001351	Connector, Male, 2 Pin, Weather pack
B	GA5007381	Connector, 2 pin, Female, Weather pack
C	GA5002211	Connector, Male, 3 pin, Weather pack
D	GA5048550	Connector, Female, 3 Pin, Weather pack
E	GA5007385	Connector, Male, 4 pin, Weather pack
F	GA5007383	Connector, 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

# Deutsch Electrical Connectors

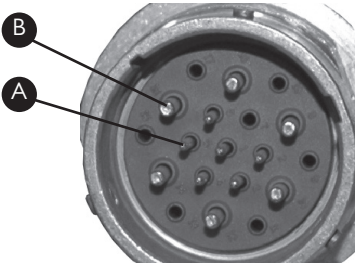
## Deutsch Part Number Breakdown



ITEM NO.	PART NUMBER	DESCRIPTION
A	GA5061225	16GA Female Deutsch Socket
B	GA5061270	12GA Female Deutsch Socket



ITEM NO.	PART NUMBER	DESCRIPTION
A	GA5061240	16GA Male Deutsch Pin
B	GA5061260	12GA Male Deutsch Pin



# Deutsch Electrical Connectors

ITEM NO.	PART NUMBER	DESCRIPTION
A	GA5002671	HD34-18-14PN Connector
B	GA5002675	HD34-24-21PN Connector



ITEM NO.	PART NUMBER	DESCRIPTION
A	GA5002663	HD36-18-14SN Connector
B	GA5002655	HD36-24-21SN Connector



PART NUMBER	DESCRIPTION
GA5062635	HD34-24-47-PE Connector(47 Socket)
GA5061225	Small Male Socket
GA5061260	Large Male Socket



PART NUMBER	DESCRIPTION
GA5062640	HD36-24-47-SE-059 Connector(47 Pin)
GA5061210	Small Female Pin
GA5061230	Large Female Pin



PART NUMBER	DESCRIPTION
GA5021310	HD36-24-19SN-059 Connector (19 socket)



PART NUMBER	DESCRIPTION
GA5021315	HD34-24-19PN Connector (19 pin)



# Deutsch Electrical Connectors

PART NUMBER	DESCRIPTION
GA5020920	Plug for size 24 Connector with External Thread on Plug
GA5020910	Plug for size 18 Connector with External Thread on Plug



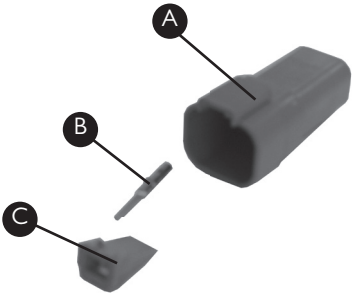
PART NUMBER	DESCRIPTION
GA5020925	Plug for size 24 Connector with External Thread on Connector
GA5020915	Plug for size 18 Connector with External Thread on Connector



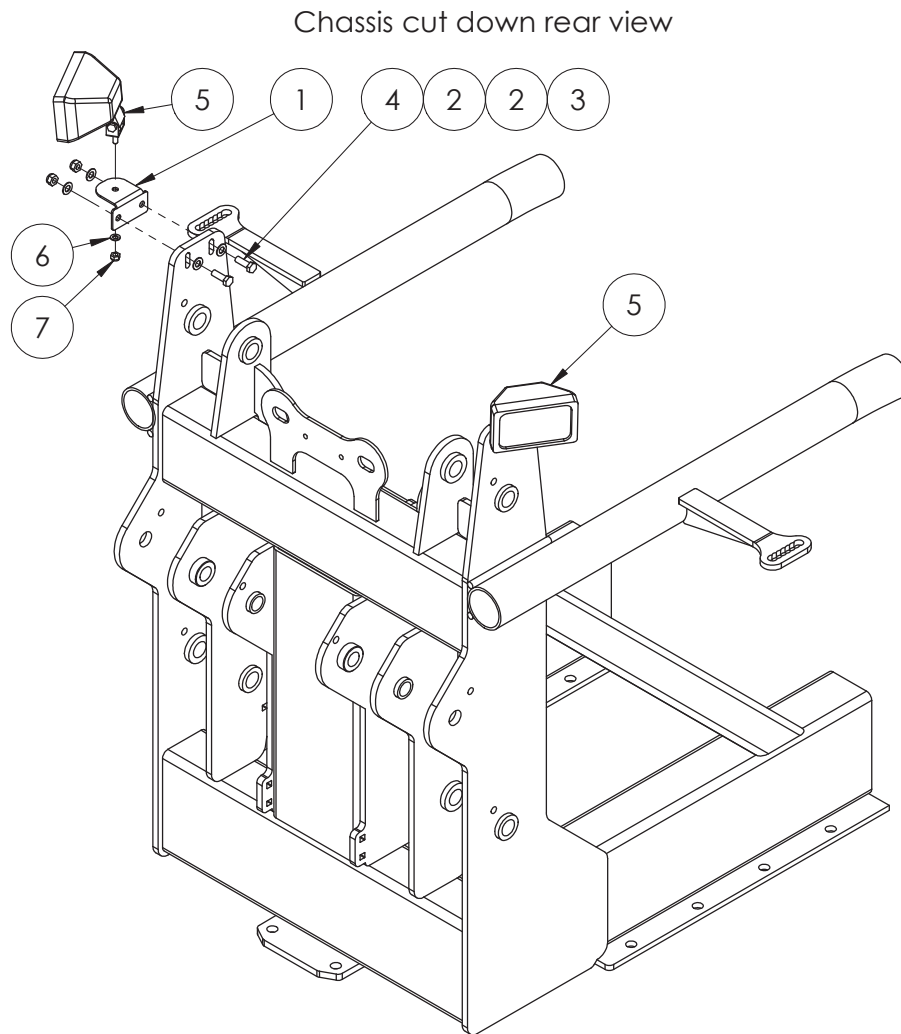
ITEM NO.	PART NUMBER	DESCRIPTION
A	GA5012399	Connector Lock Nut suit 24 shell
	GA5009887	Connector Lock Nut suit 18 shell
B	GA5017621	Connector Lock Washer suit 24 shell
	GA5009893	Connector Lock Washer suit 18 shell



ITEM NO.	PART NUMBER	DESCRIPTION
A	GA5013783	Housing (4 Pin)
B	GA5061240	Pin
C	GA5050765	Lock Wedge

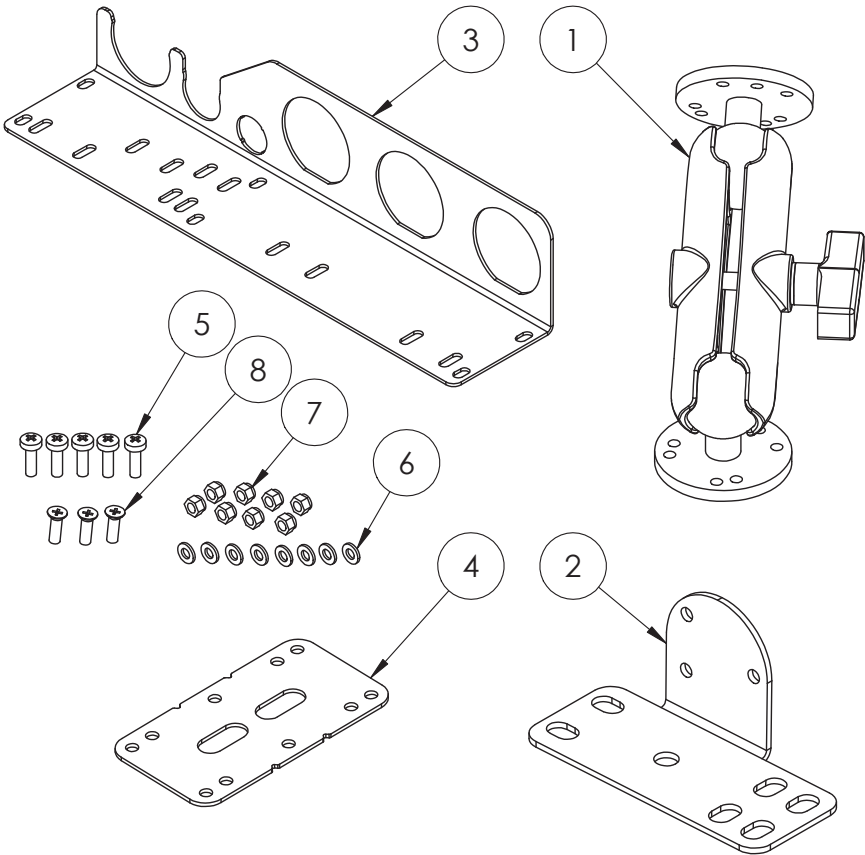


## Boom Lights Mount



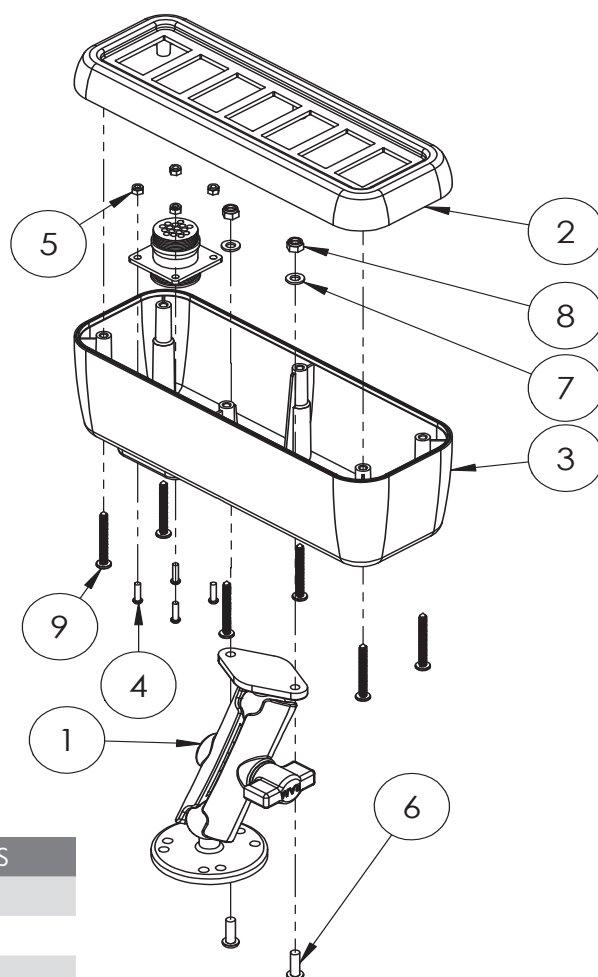
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4522570	Bracket boom light mounting suit EF	2
2	GA5000115	Washer 10mm Flat SS	8
3	GA5000141	Nut M10 Nyloc ZP	4
4	GA5065455	Bolt M10 x 30 ZP GR8.8	4
5	GA5050105	Light, work, flood stringray 138 x 82mm, bare wires	2
6	GA5004883	Washer 8mm Flat ZP Heavy Duty	2
7	GA5051700	Nut 5/16" UNC Nyloc ZP	2

# Console Mounting Kit



GA4903666 Complete console mounting kit			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5020825	RAM Mount, Universal, Adjustable kit I01U	1
2	GA4522930	Tractor controller ram mount bracket	1
3	GA4523475	Loom support plate suit 440 and 4400	1
4	GA4523935	Control box dual mounting plate	1
5	GA5003976	M5 x 20mm Pan head Screw	5
6	GA5003983	Washer 5mm Flat SS	8
7	GA5003975	Nut M5 Nyloc SS	8
8	GA5051230	Set Screw M5 x 16 Countersink SS	3

## Control Boxes



For switchbox decals refer to chapter 17 “Decals”

### COMPLETE SWITCH BOXES

Switch Box A GA4903710

Switch Box B GA4903715

Switch Box C GA4903720

### SWITCH PART NUMBERS

Switch, Rocker, On / off, Twin globe blue lens GA5012671

Switch, Rocker, On / Off / On, Twin bulb back light, Blue lenses GA5012673

Switch, Rocker, Momentary, On / Off / On, 2 pole, No bulb or actuator GA5060410

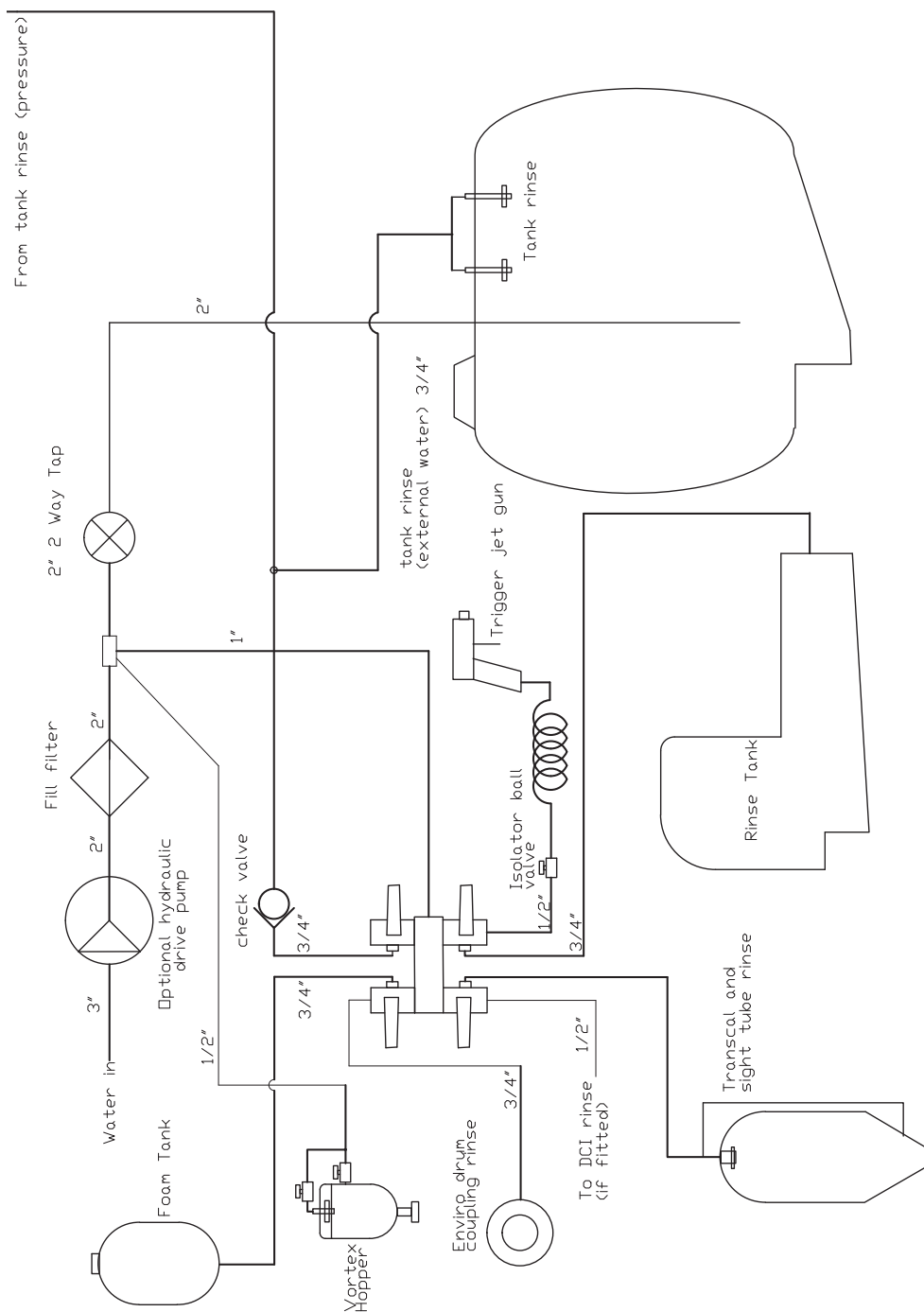
Carling Switch Blank Hole Panel Plug (black) GA5006421

Switch Evo steering calibrate GA5053525

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5068930	Ram mount RAM-B138	1
2	GA5075100-02	Switch box bare 7 switches MY2011 Top	1
3	GA5075100-01	Switch box bare 7 switches MY2011 Base	1
4	GA5003083	Screw M3 x 12 Pan Head Machine	4
5	GA5049465	Nut M3 Nyloc SS	4
6	GA5003977	Bolt M5 x 16 Pan Head SS	2
7	GA5003983	Washer 5mm Flat SS	2
8	GA5003975	Nut M5 Nyloc SS	2
9	GA5075105	Screw Phillips head 8G 1 1/2" Pan head self tapping SS	6
10	GA5060242	Loom hydraulic / base sprayer suit 7 switch box	1

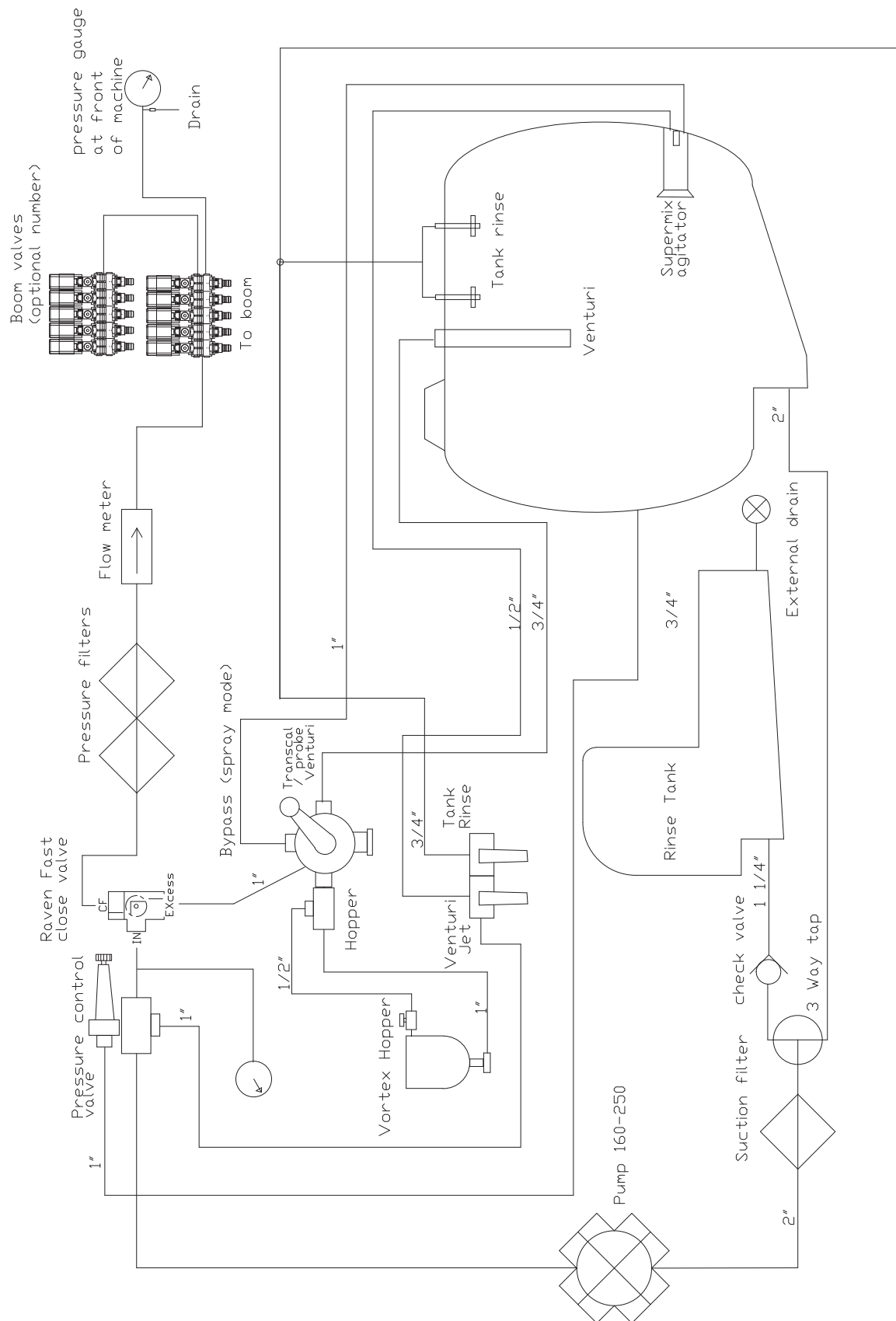
## SCHEMATICS

### Fresh Water Delivery

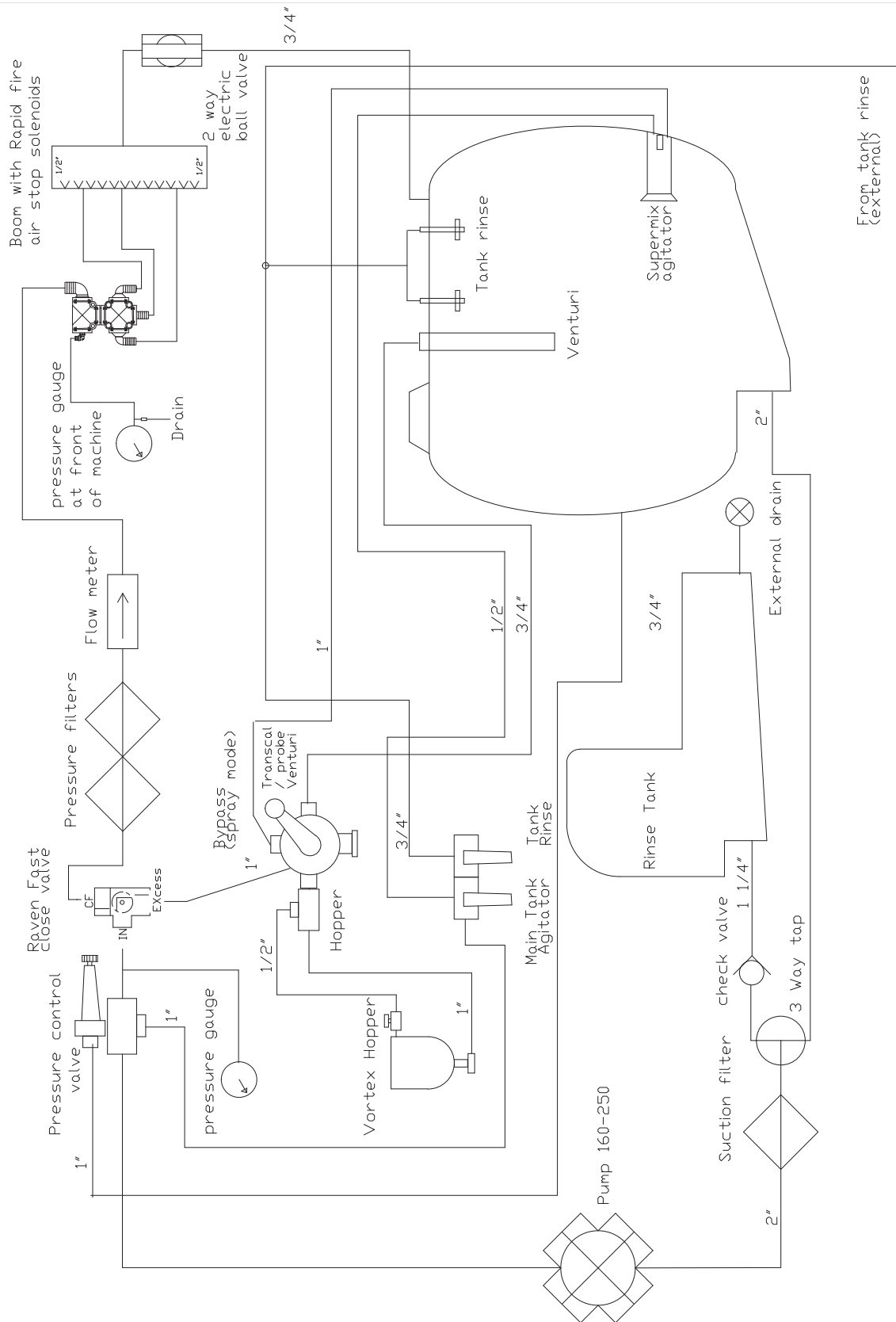




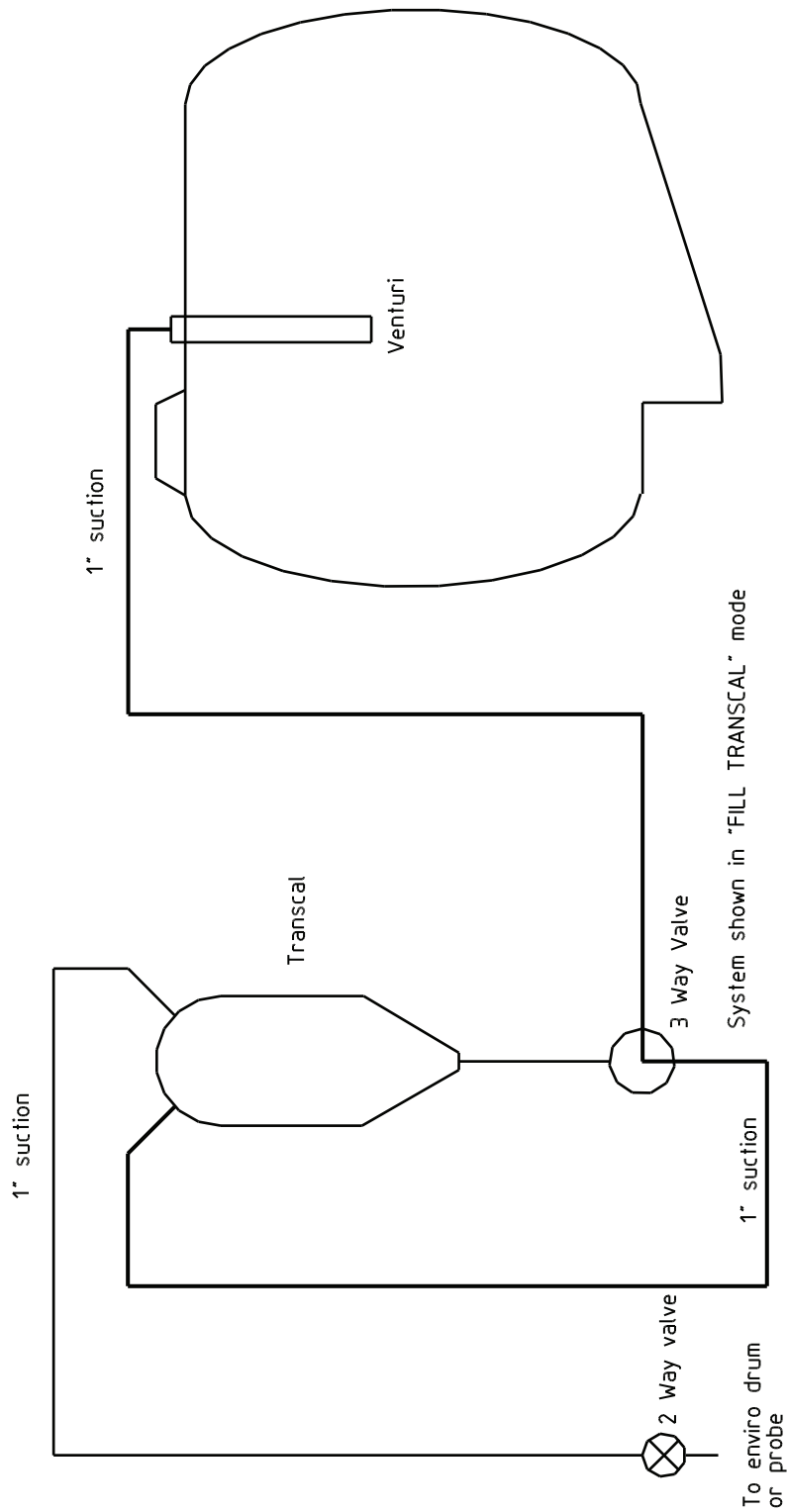
# Pressure Schematic



# RapidFlow Schematic

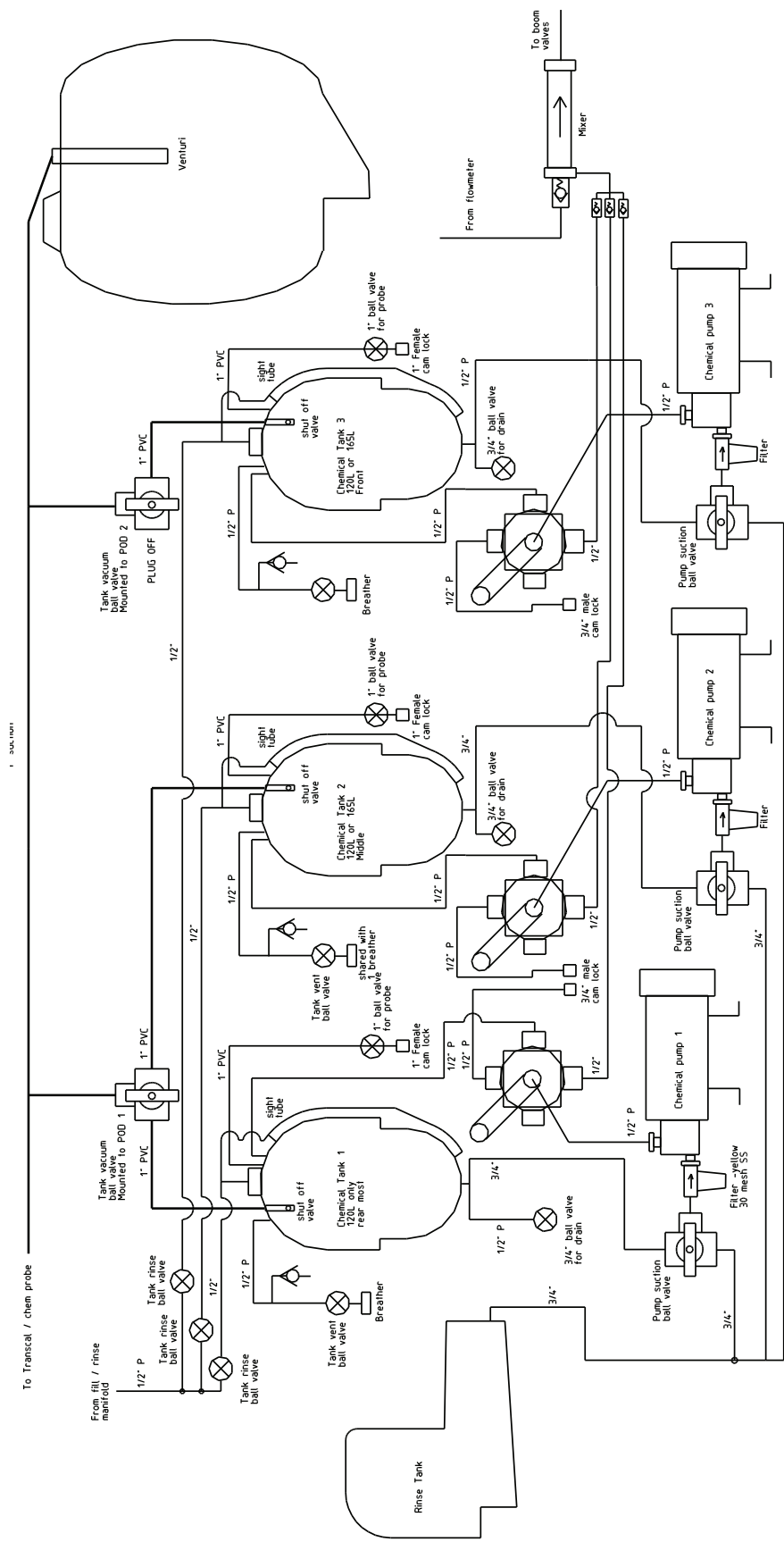


# Transcal Schematic

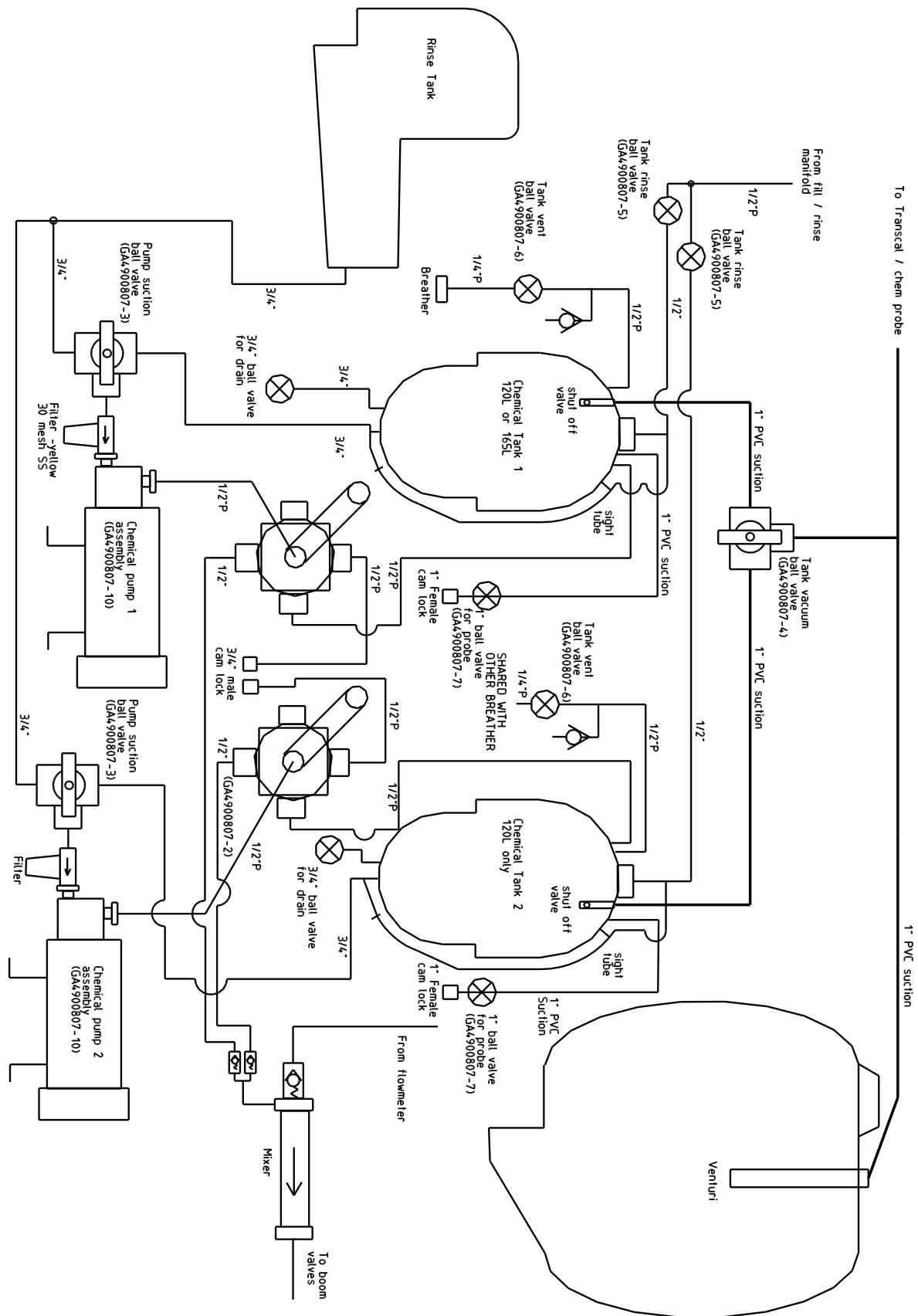


System shown in "FILL TRANSCAL" mode

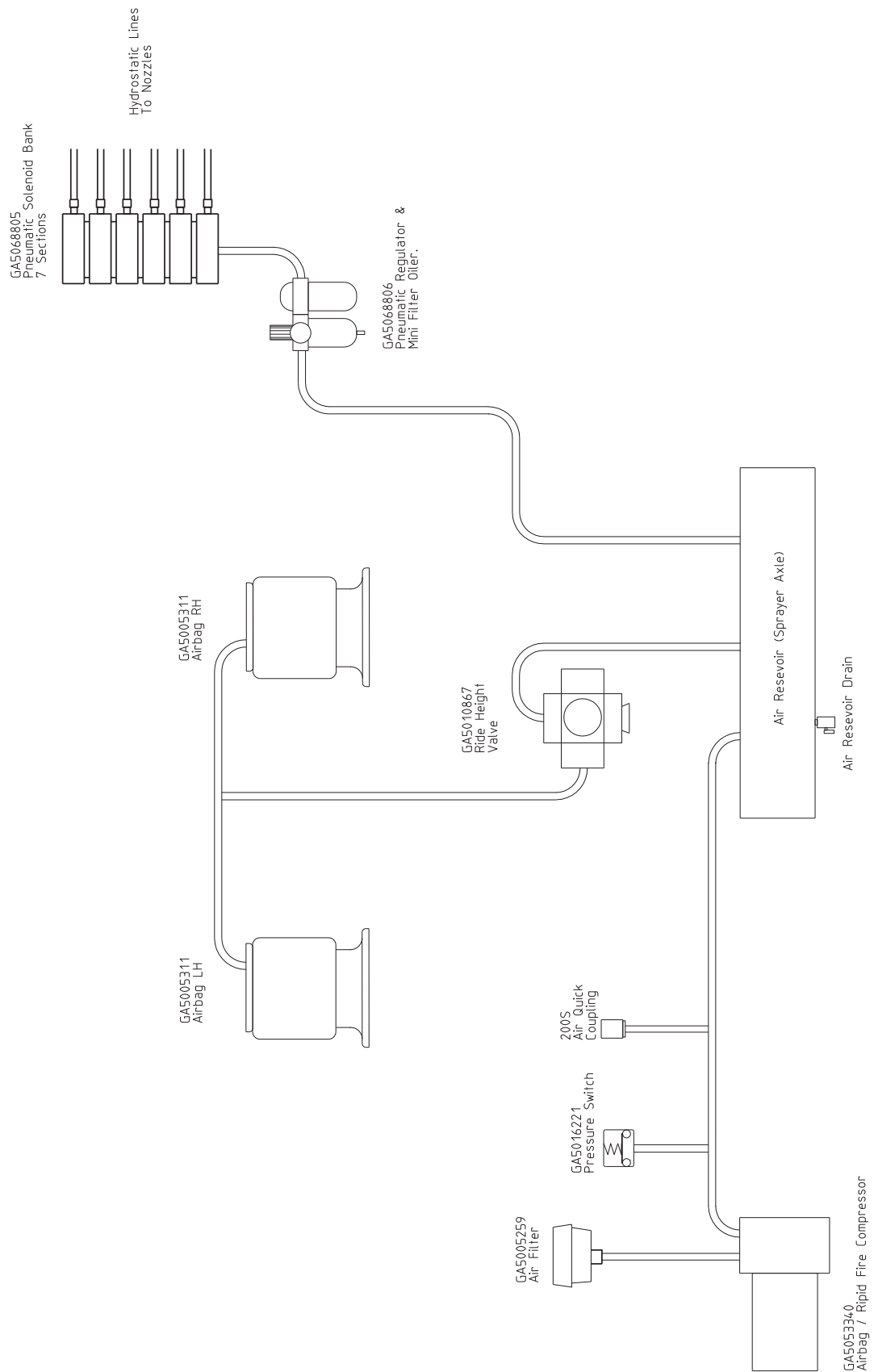
# DCI Schematic



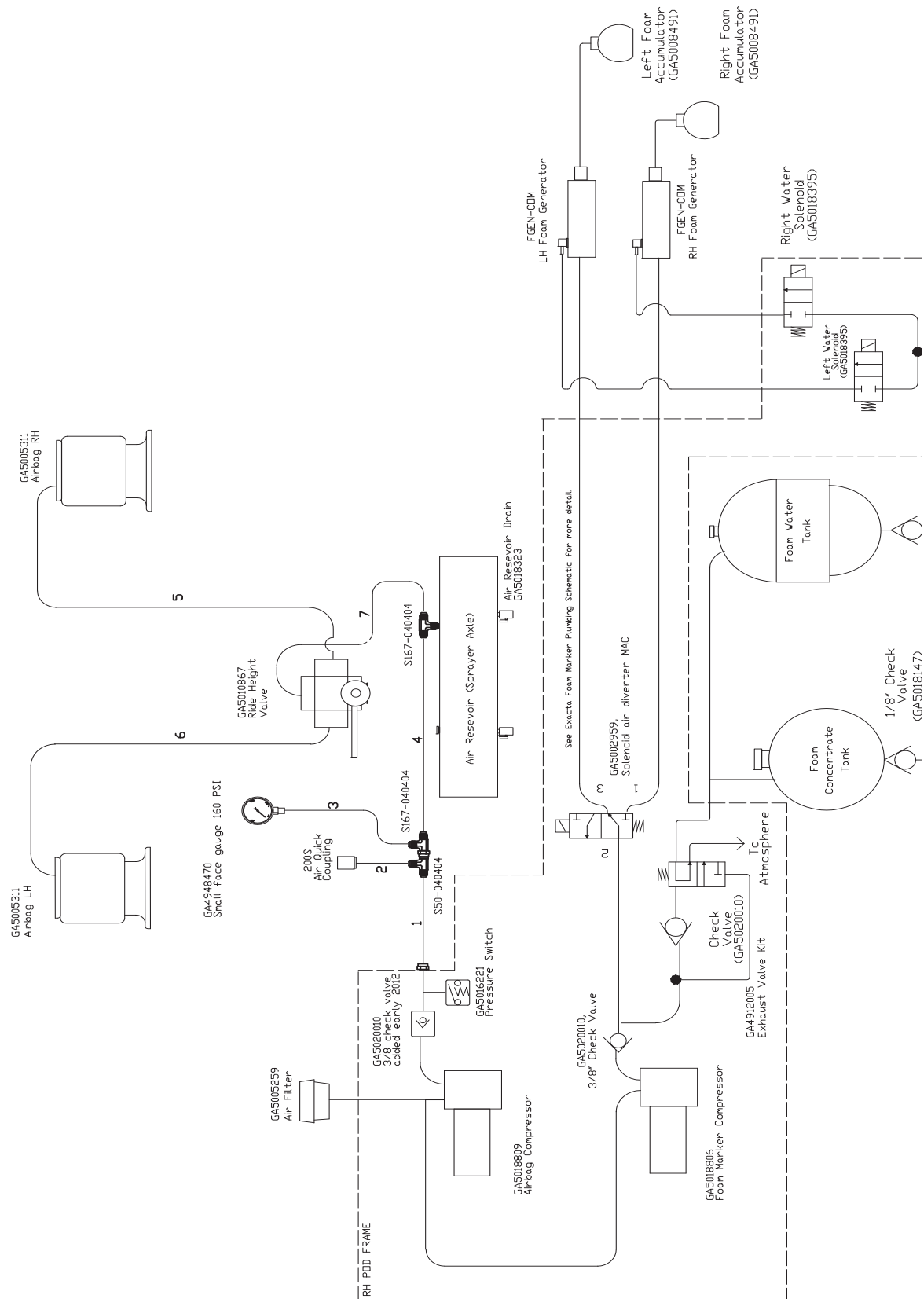
# DCI Schematic



# Pneumatic Layout Airbag with RapidFire



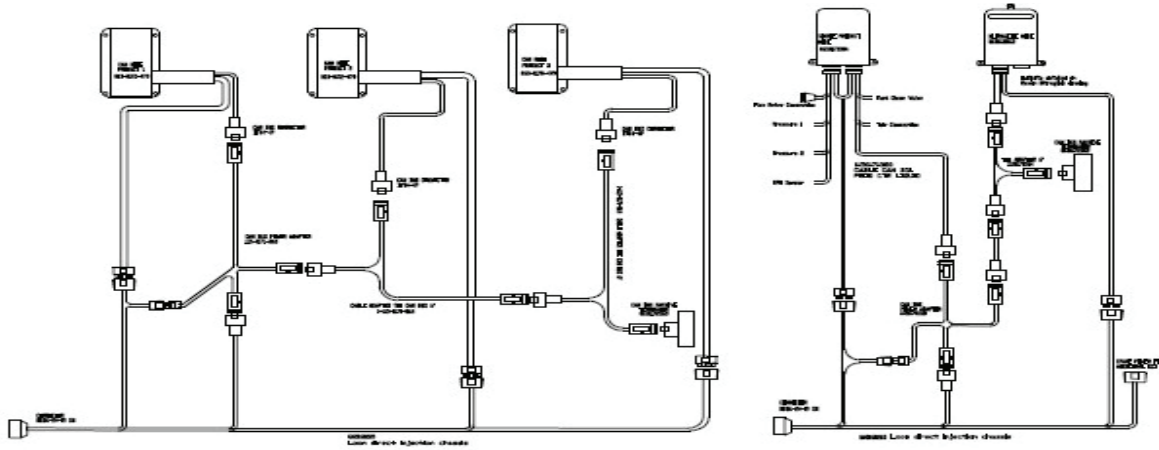
# Pneumatic Layout Airbag-Foam Marker



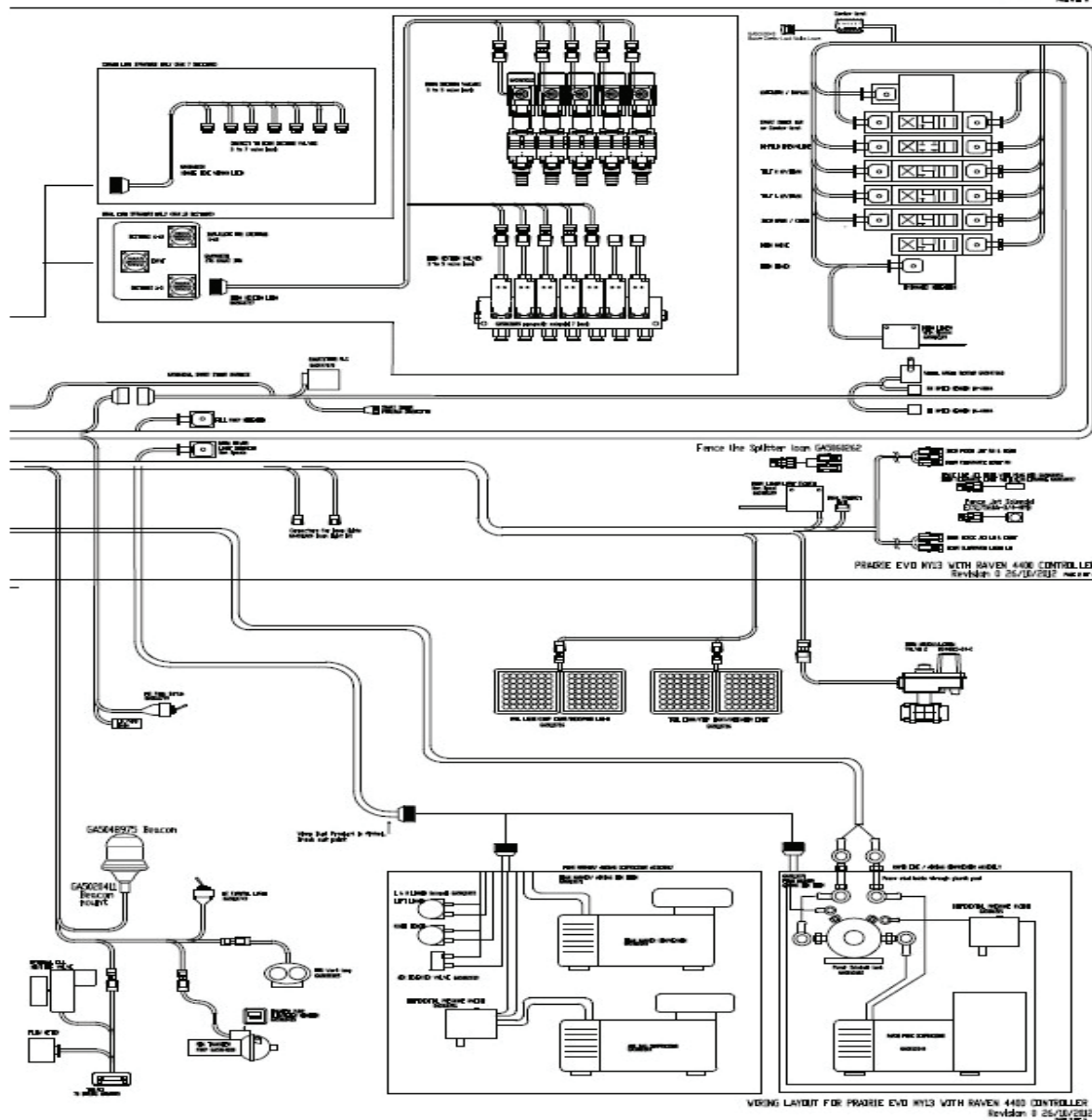




# Electrical Layout - Overview

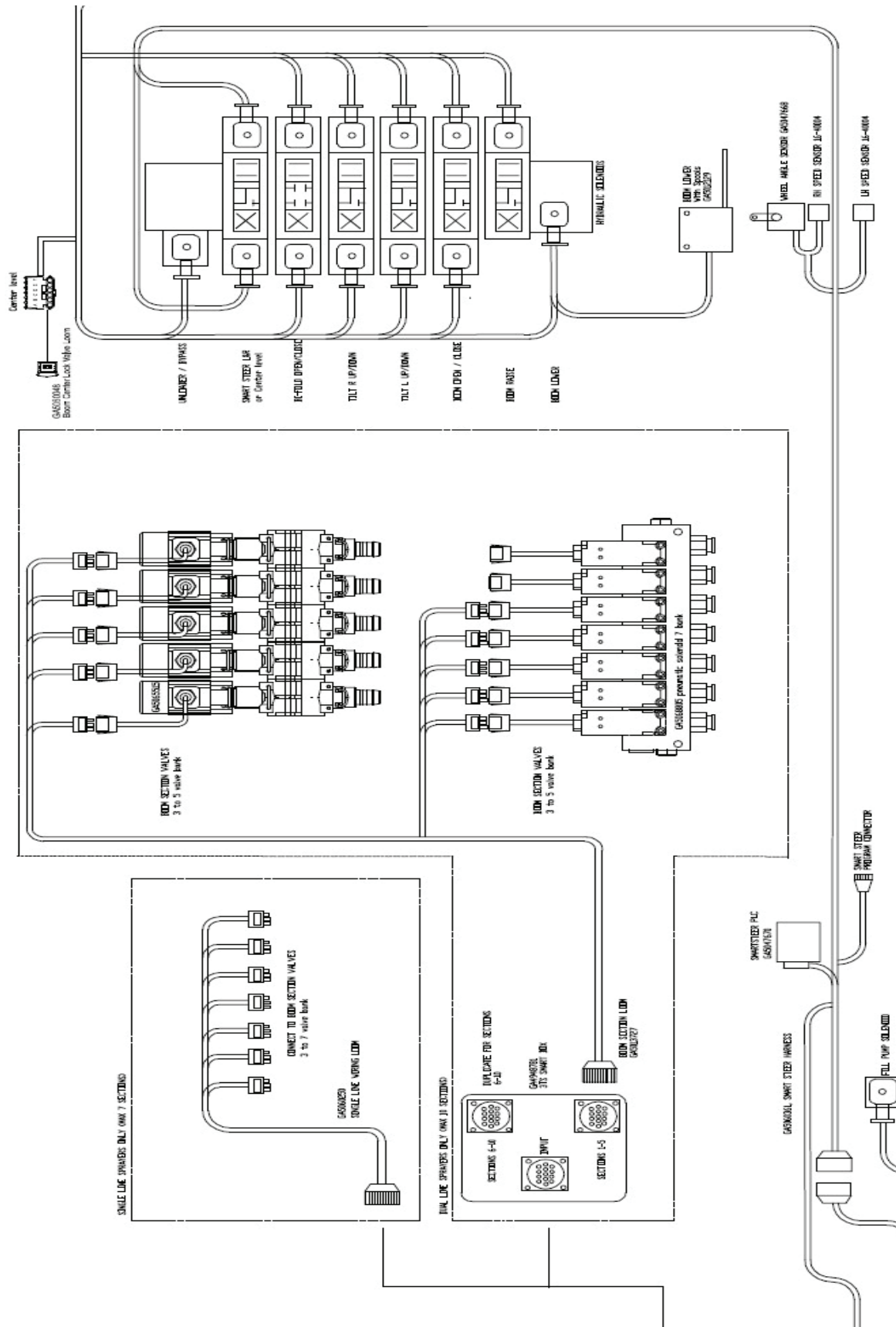


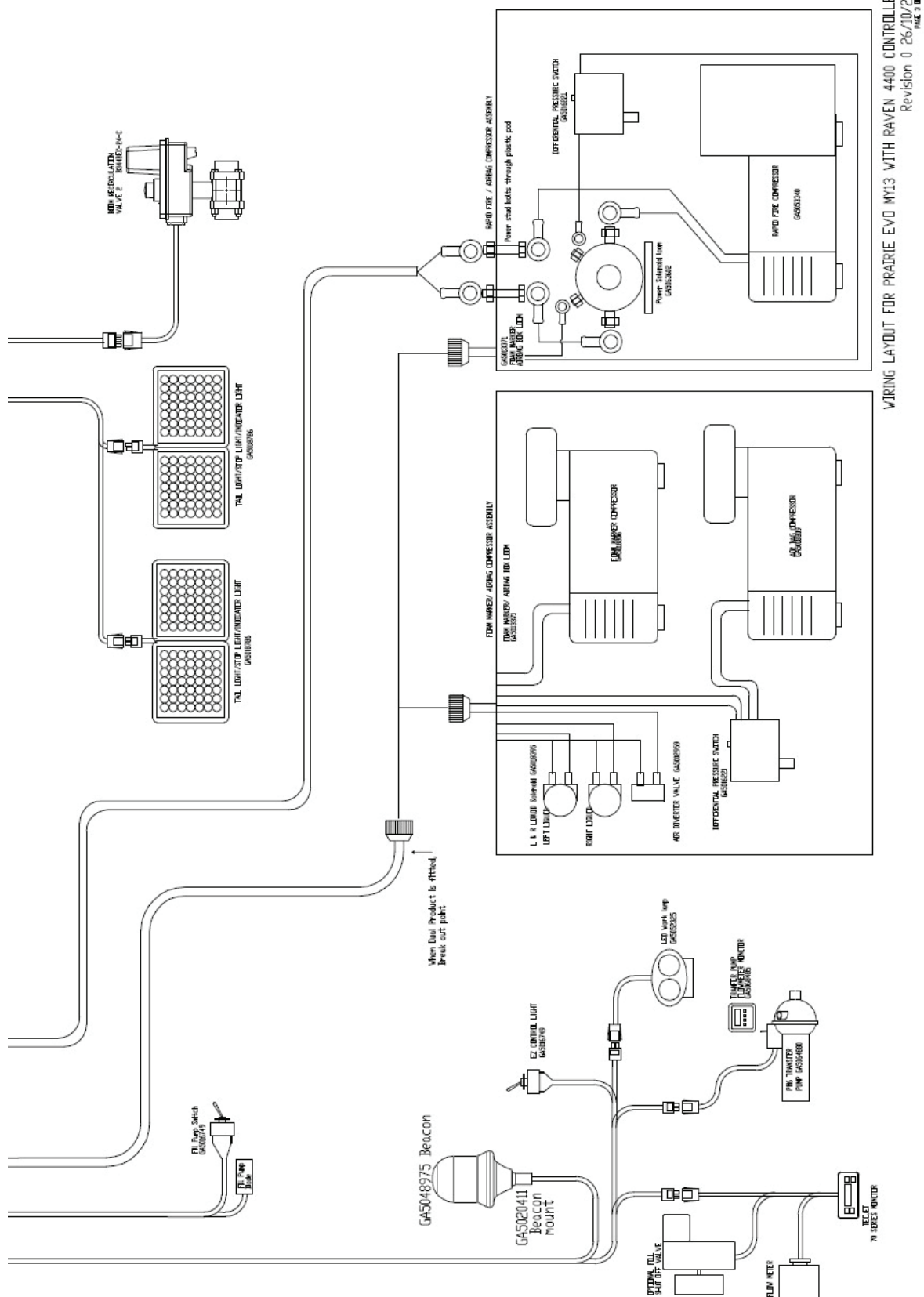
WIRING LAYOUT FOR PRAIRIE EVO HY3 WITH RAVEN 4400 CONTROLLER  
Revision: 0 25/10/2012

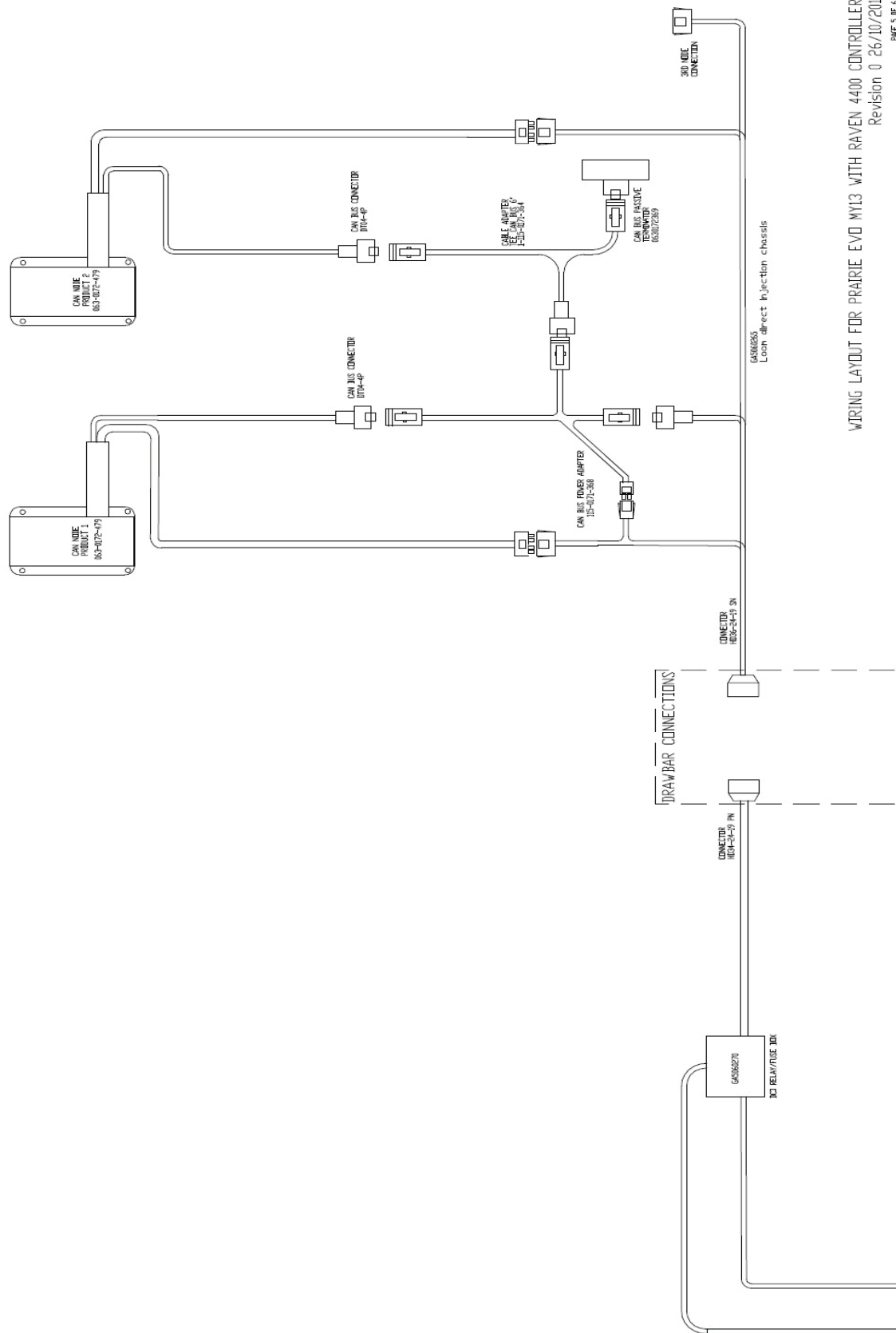




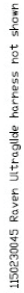
## Electrical Layout - Page 2







WIRING LAYOUT FOR PRAIRIE EVO MY13 WITH RAVEN 4400 CONTROLLER  
Revision 0 26/10/2012  
PAGE 5 OF 6

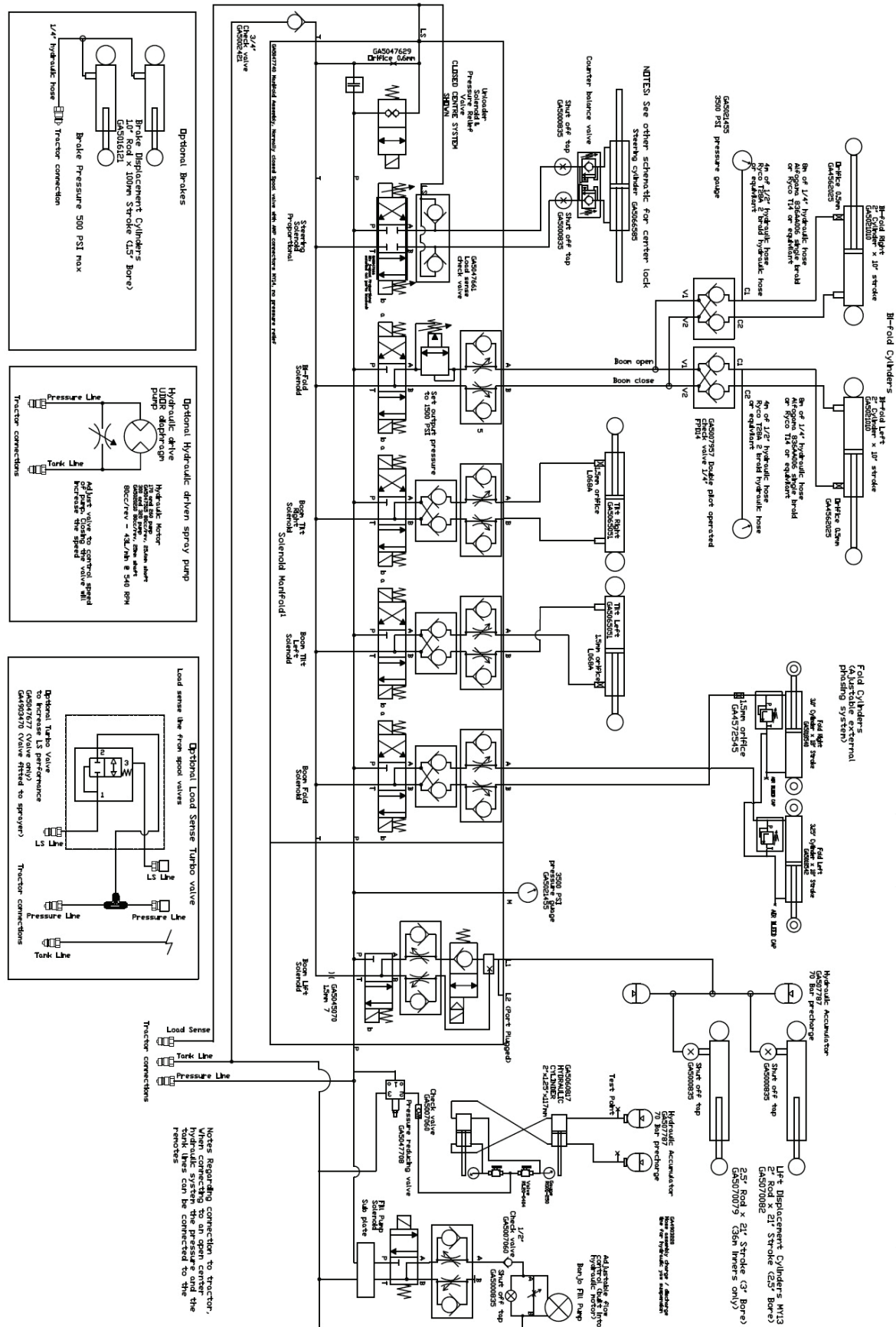


WIRING LAYOUT FOR PRAIRIE EVO MY13 WITH RAVEN 4400 CONTROLLER  
Revision 0 26/10/2012  
PAGE 6 OF 6



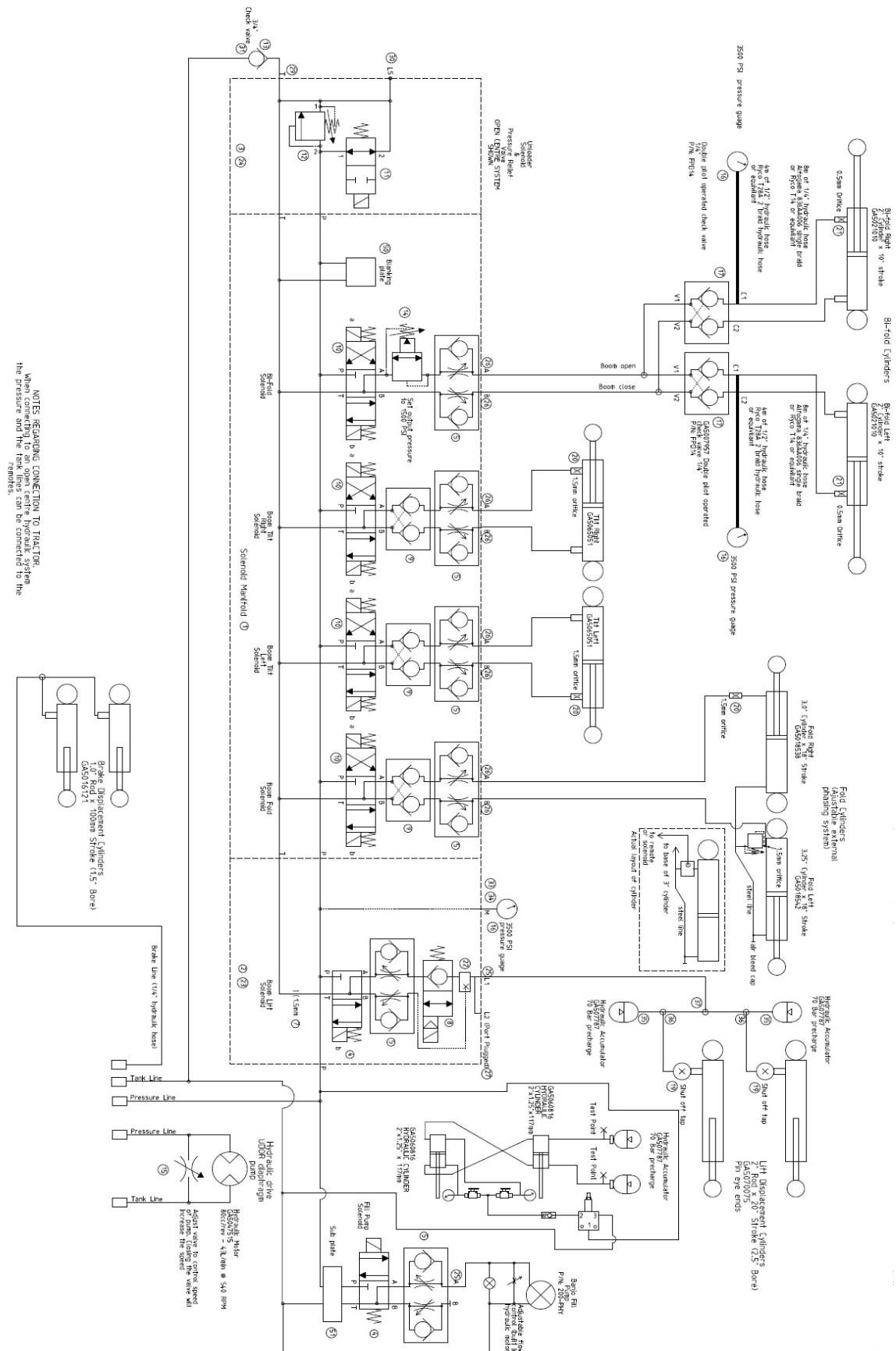


## Hydraulic schematic - with spool valves closed centre



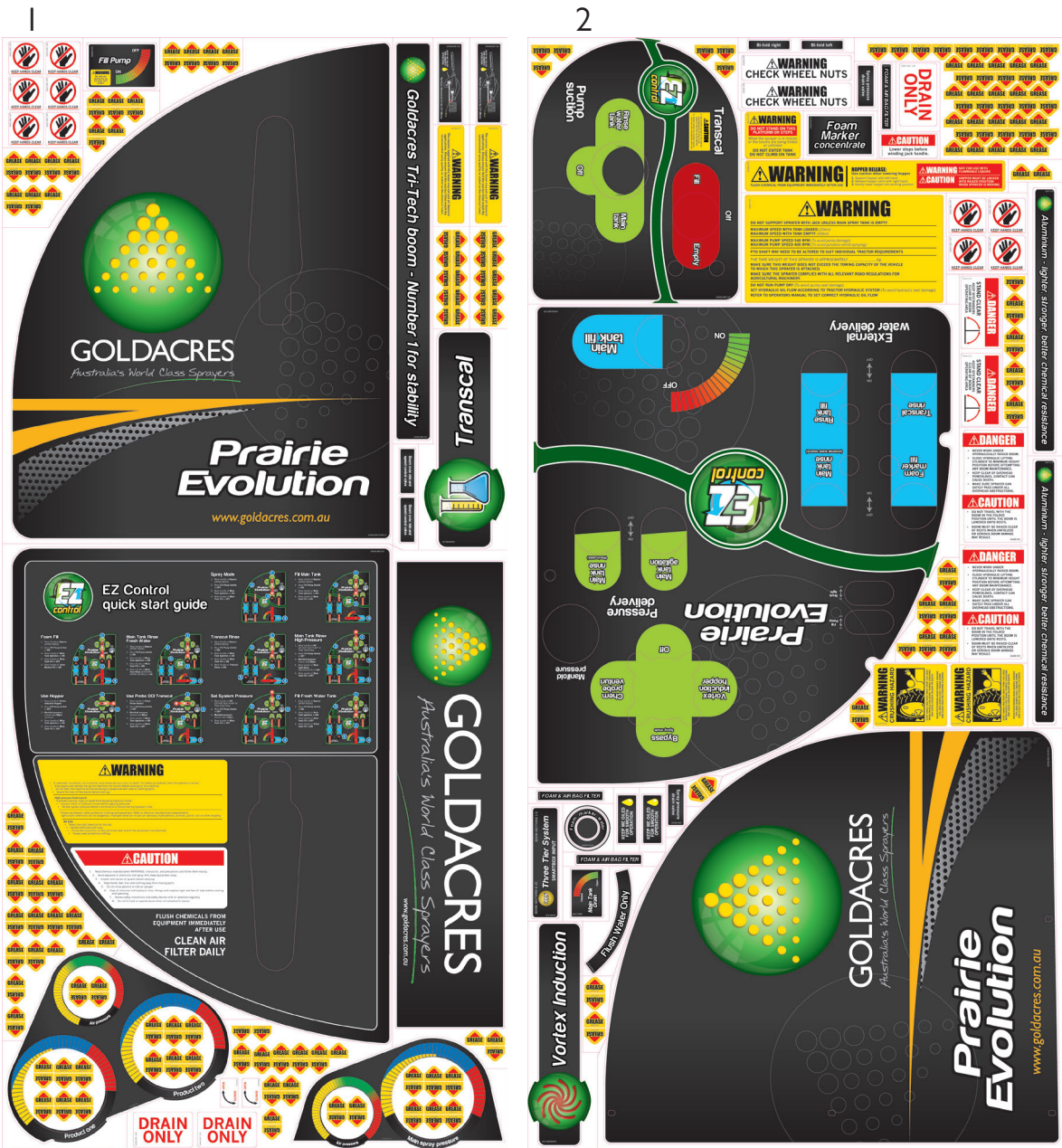


### Hydraulic schematic - with spool valves open centre



# Chapter 17

## DECALS



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5064015	Decal Kit Prairie Evolution Sheet 1 Complete	1
2	GA5064010	Decal Kit Prairie Evolution Sheet 2 Complete	1

3



4



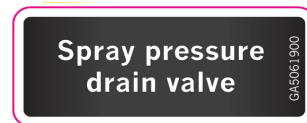
5



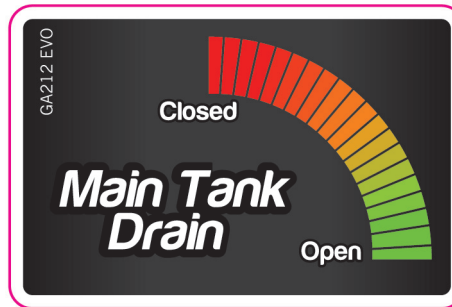
6



8



7



9



10

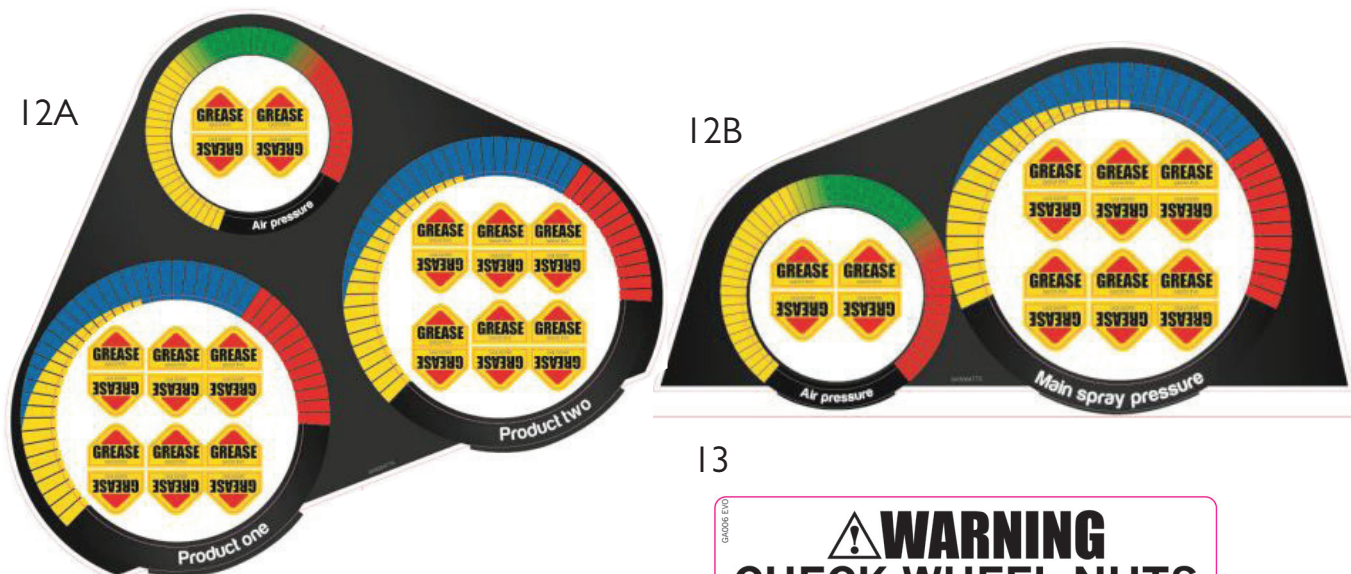


11



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
3	GA208EVO	Warning Hopper	1
4	GA209EVO	Danger/Caution	2
5	GA210EVO	Warning Platform	1
6	GA222EVO	Grease	57
7	GA212EVO	Main Tank Drain	1
8	GA5061900EVO	Spray Pressure Drain	2
9	GA5015991EVO	Keep Hands Clear	8
10	GA220EVO	Three Tier System	1
11	GA5013EVO	Danger/Stand Clear	2

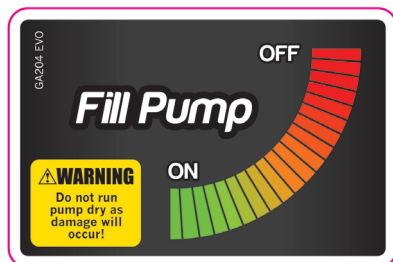




13

**WARNING**  
CHECK WHEEL NUTS

16



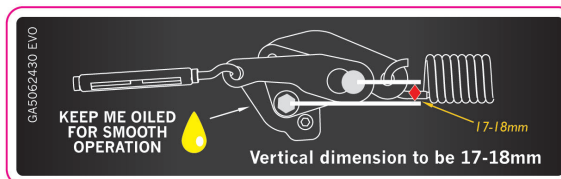
14

**DRAIN ONLY**

15

**CAUTION**  
Lower steps before winding jack handle.

17



19



18



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
12A	GA5064770	Dual Product Spray Pressure/Air pressure	1
12B	GA5064775	Main spray pressure/Air pressure	1
13	GA006EVO	Warning Check Wheel Nuts	2
14	GA5015971EVO	Drain Only	1
15	GA5062090EVO	Caution - Lower Steps	1
16	GA204EVO	Fill Pump	1
17	GA5062430EVO	3D Breakaway Adjustment	2
18	GA207EVO	Warning	1
19	GA5062456	Warning Crush Hazard	2

20



21



22



23



24



25



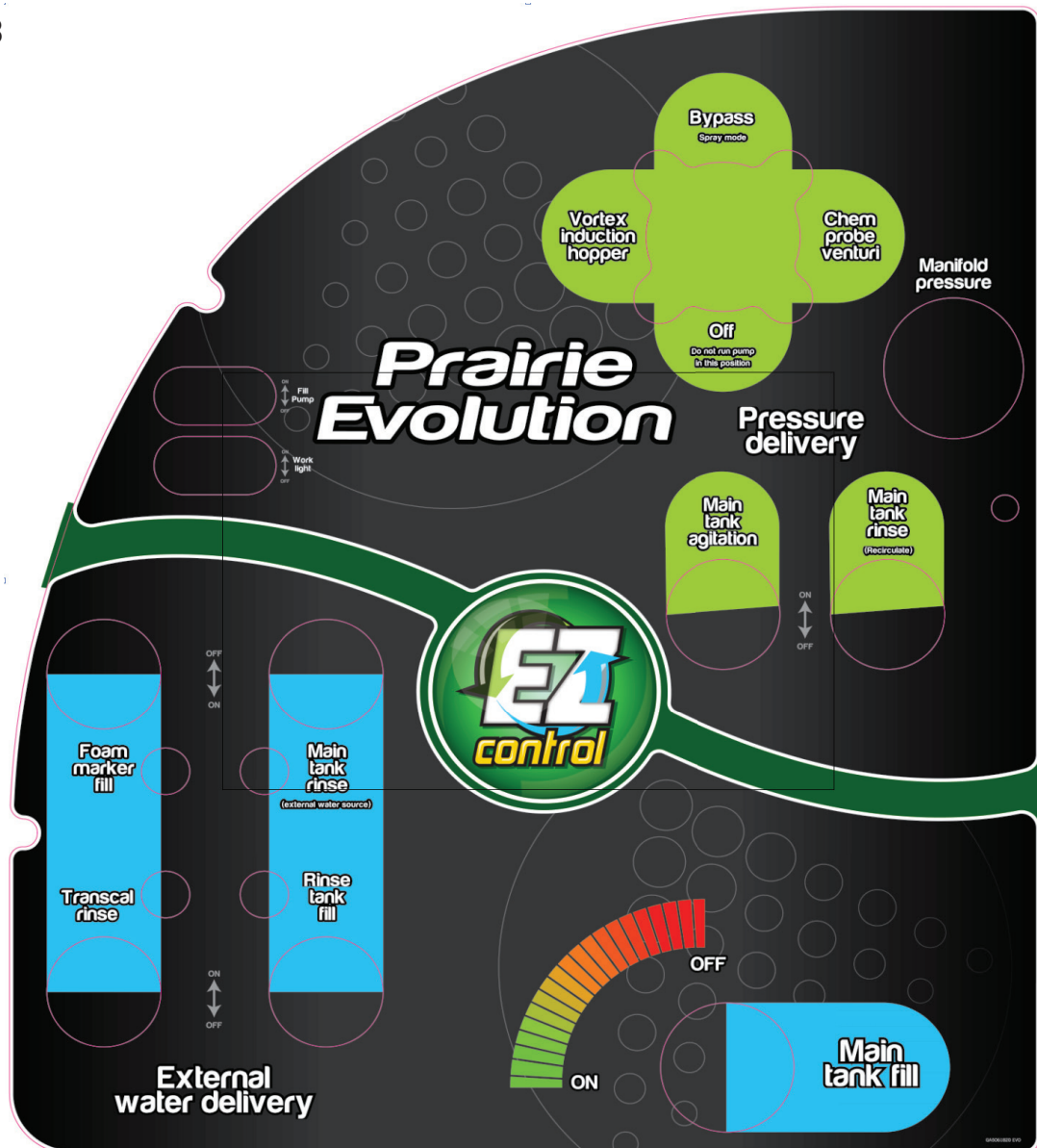
26



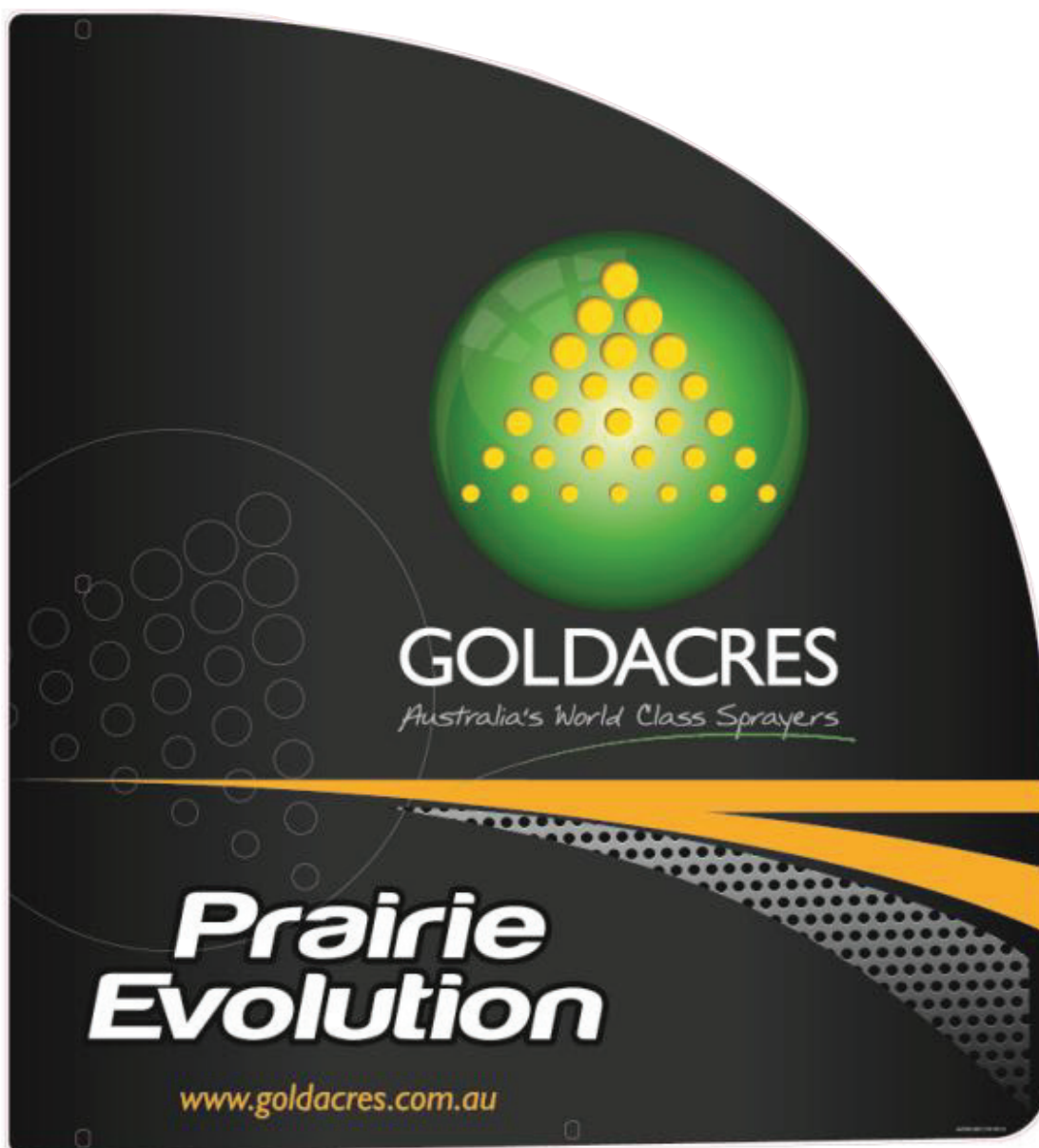
27



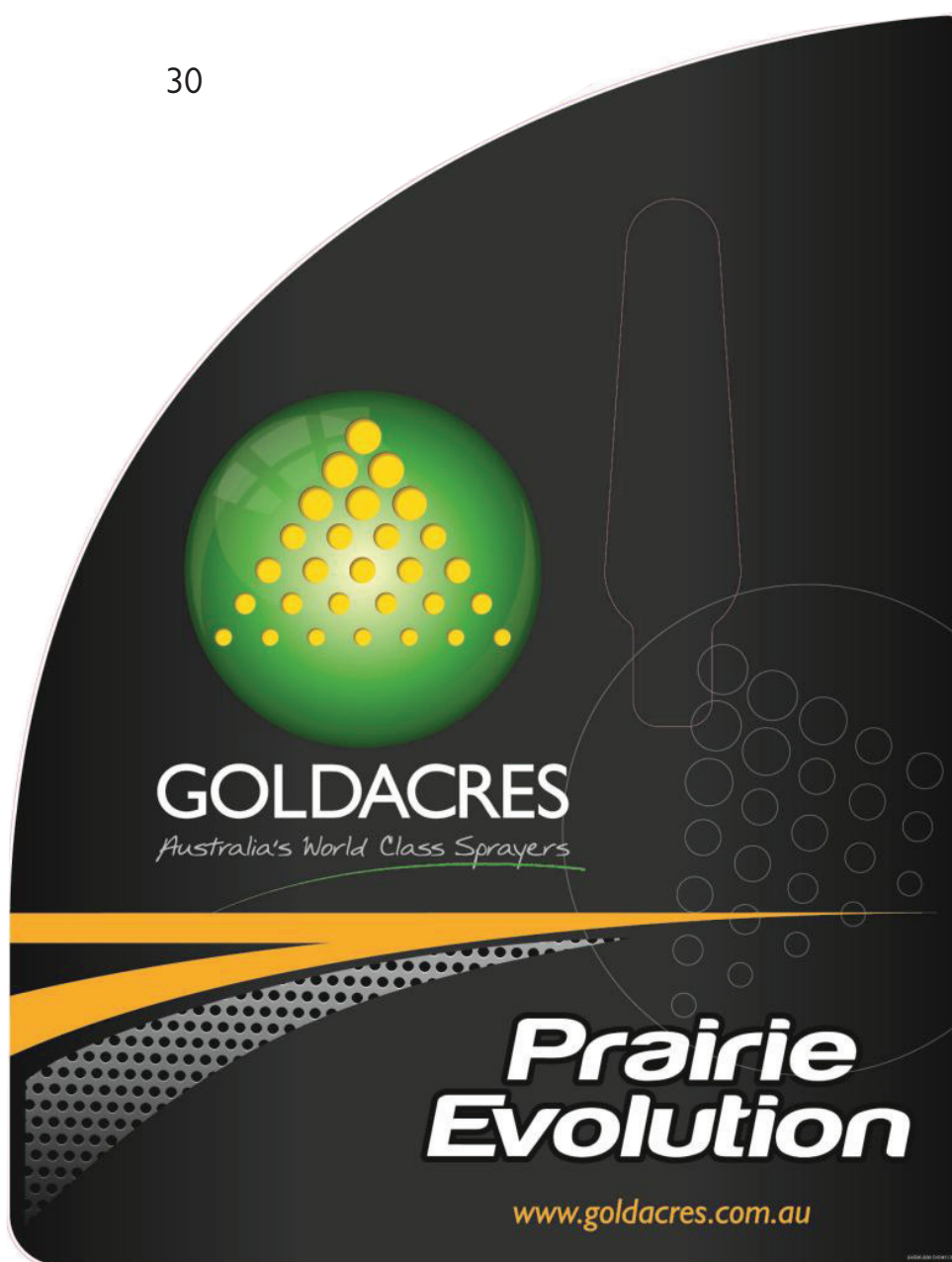
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
20	GA5062475	Flush Water Only	1
21	GA5062485EVO	Foam Marker Concentrate	1
22	GA5062085EVO	Transcal	1
23		Keep Me Oiled	2
24	GA5062095EVO	Vortex	1
25	GA5062870	Foam & Airbag Filter	1
26	GA5063370	Warning Nozzles	2
27	GA5062470	Foam Marker Water	1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
28	GA5061820	Pod Taps	1

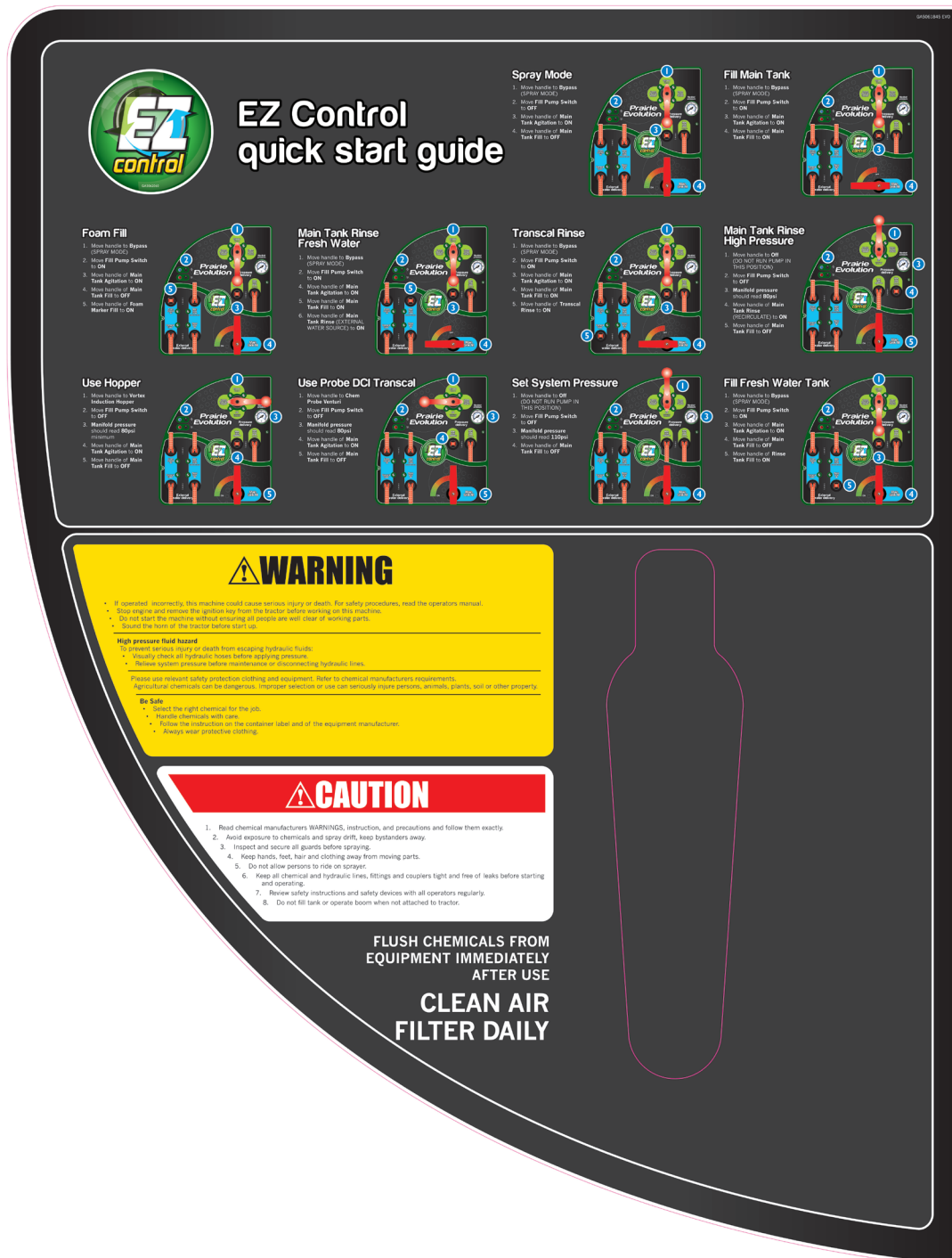


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
29	GA5061825EVOMY13	Right Hand Pod	1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
30	GA5061830EVOMY13	Left Hand Pod Outer	1



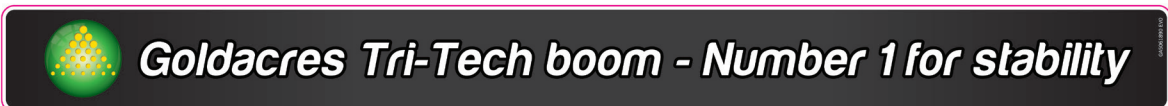


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
31	GA5061845	Prairie EVO Left Hand POD Door Inner	1

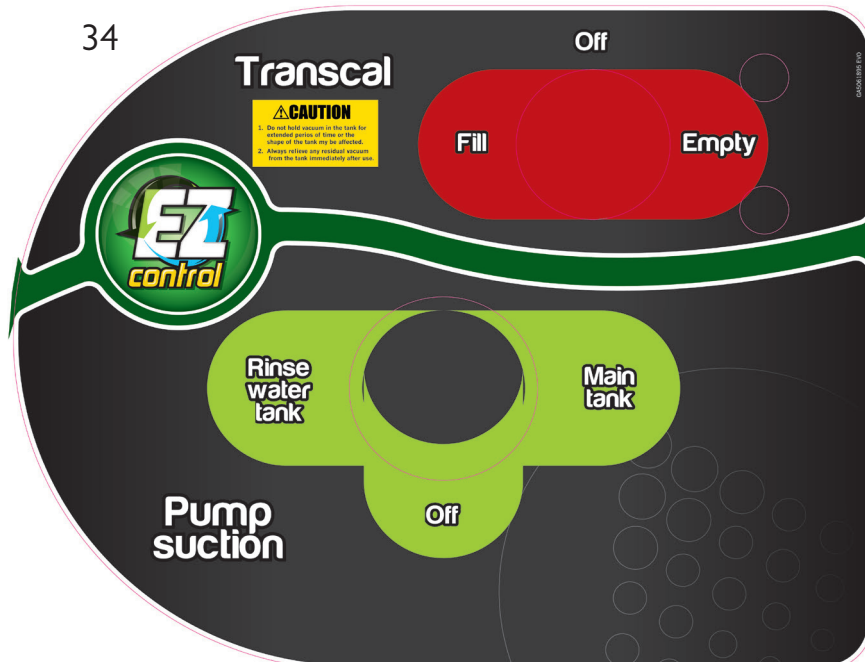
32



33



34



35



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
32	GA5061885	Goldacres	1
33	GA5061890EVO	Tri-Tech #1 for Boom	1
34	GA5061895EVO	Transcal	1
35	GA5064980	Prairie Evolution Tank Decal - 5024	2
	GA5064975	Prairie Evolution Tank Decal - 5030	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	GA5064915	Prairie Evolution Tank Decal - 6530	
	GA5064985	Prairie Evolution Tank Decal - 6532	
	GA5064760	Prairie Evolution Tank Decal - 6536	
	GA5064770	Prairie Evolution Tank Decal - 7536	
	GA5064765	Prairie Evolution Tank Decal - 8536	
	GA5064804	Prairie Evolution Tank Decal - 8542	

### GOLDACRES

Switch Box - A  
Part # GA4903710

### GOLDACRES

Tilt left UP    Tilt right UP    Boom UP    Boom fold OUT    Bi-fold OUT    Beacon ON    Fenceline right ON

DOWN    DOWN    DOWN    IN    IN    ON    ON  
Tilt left    Tilt right    Boom    Boom fold    Bi-fold    Boom lights    Fenceline left

### GOLDACRES

Switch Box - B  
Part # GA4903715

### GOLDACRES

Steer crab LEFT    Steering ON    Foam ON    Foam LEFT    Dual product ON    Boom recirc ON

RIGHT    OFF    OFF    RIGHT    OFF    OFF  
Steer crab    Steering    Foam    Foam    Dual product    Boom recirc

### GOLDACRES

Switch Box - C  
Part # GA4903720

### GOLDACRES

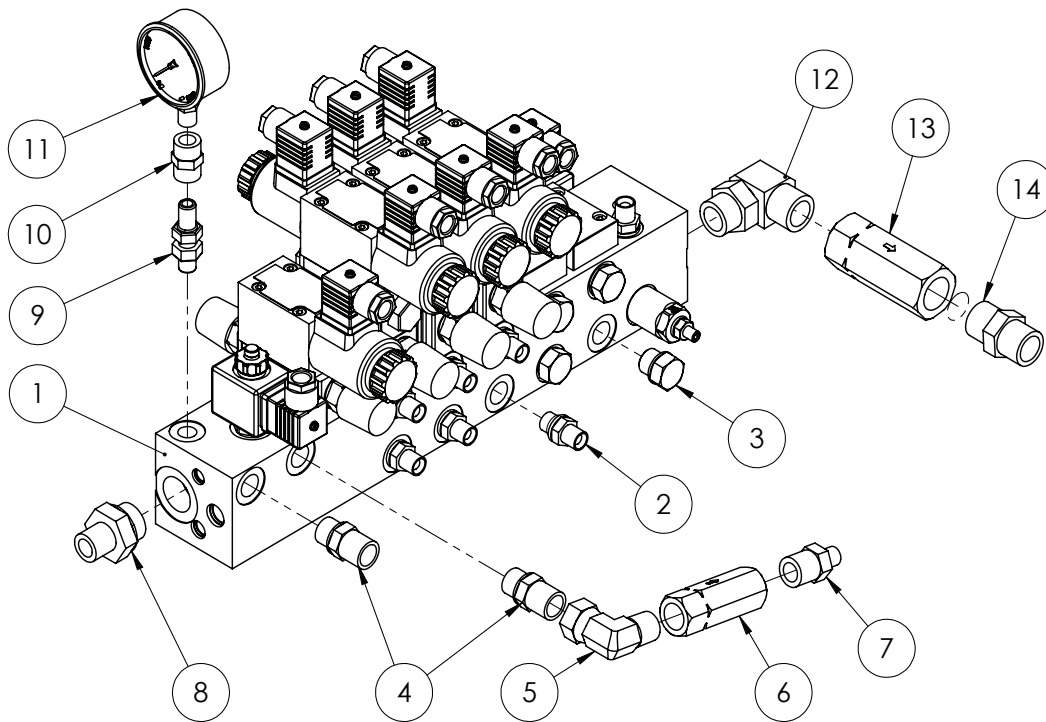
2nd product ON    Boom recirc ON    Foam ON    Foam LEFT    Boom lights ON    Fenceline left ON

OFF    OFF    OFF    RIGHT    ON    ON  
2nd product    Boom recirc    Foam    Foam    Beacon    Fenceline right

# Chapter 18

## HYDRAULICS

### Spool Block with Fittings



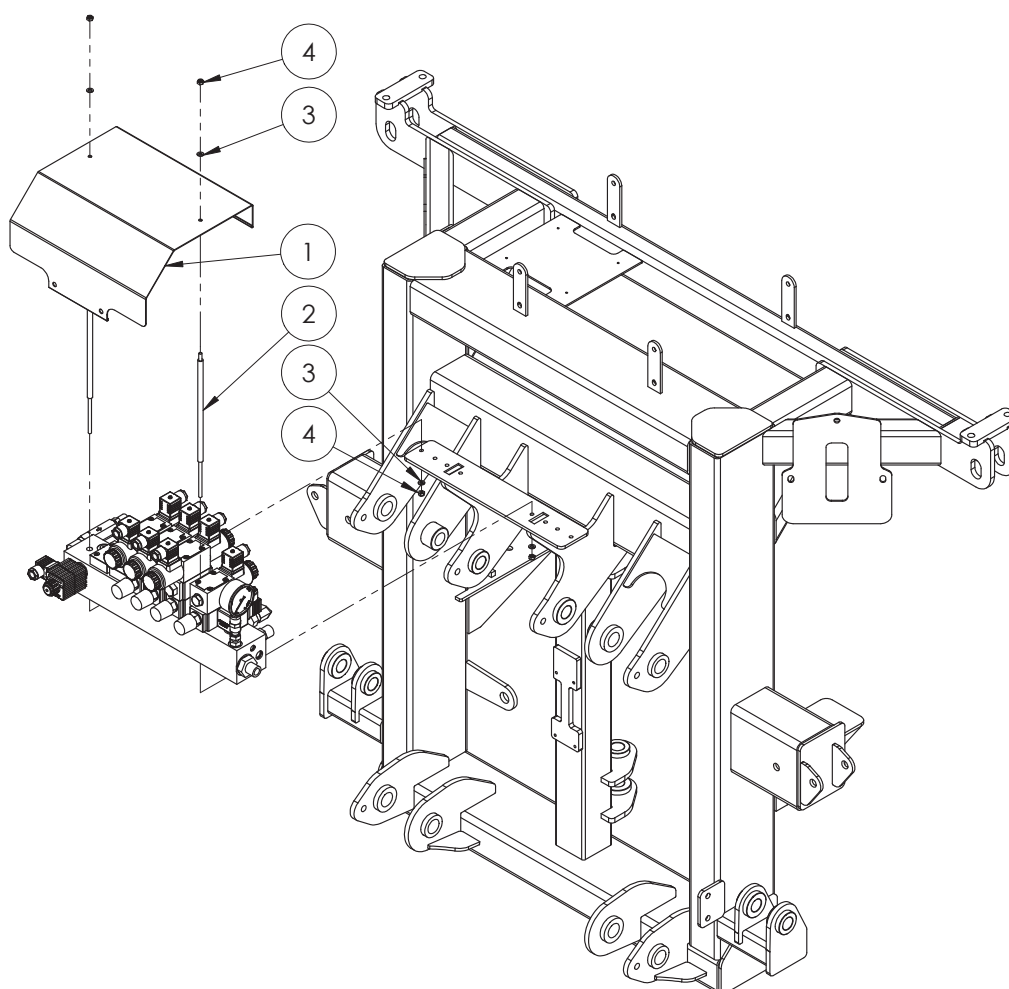
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047684	Manifold Assembly Option TWO Normally closed Spool valve with DIN connectors (2009 - 2013)	1
2	GA3500306	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPP male, S75-0404	6
3	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male, S73-06	4
4	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male, S75-0806	2
5	GA3500333	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel, S82-0808	1
6	GA5007060	Valve, Check, Hydraulic, 1/2" BSPP female inlet & outlet, 45L/min flow, Maximum 320bar	1
7	GA3500221	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/4" BSPT male, S27-0804	1
8	GA3500312	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/4" BSPP male, S75-0812	1
9	GA3500249	Hydraulic adaptor, Bulkhead nipple, 1/4" BSPP male x 1/4" BSPP male, S44-0404	1

Continued over page

## Spool Block with Fittings

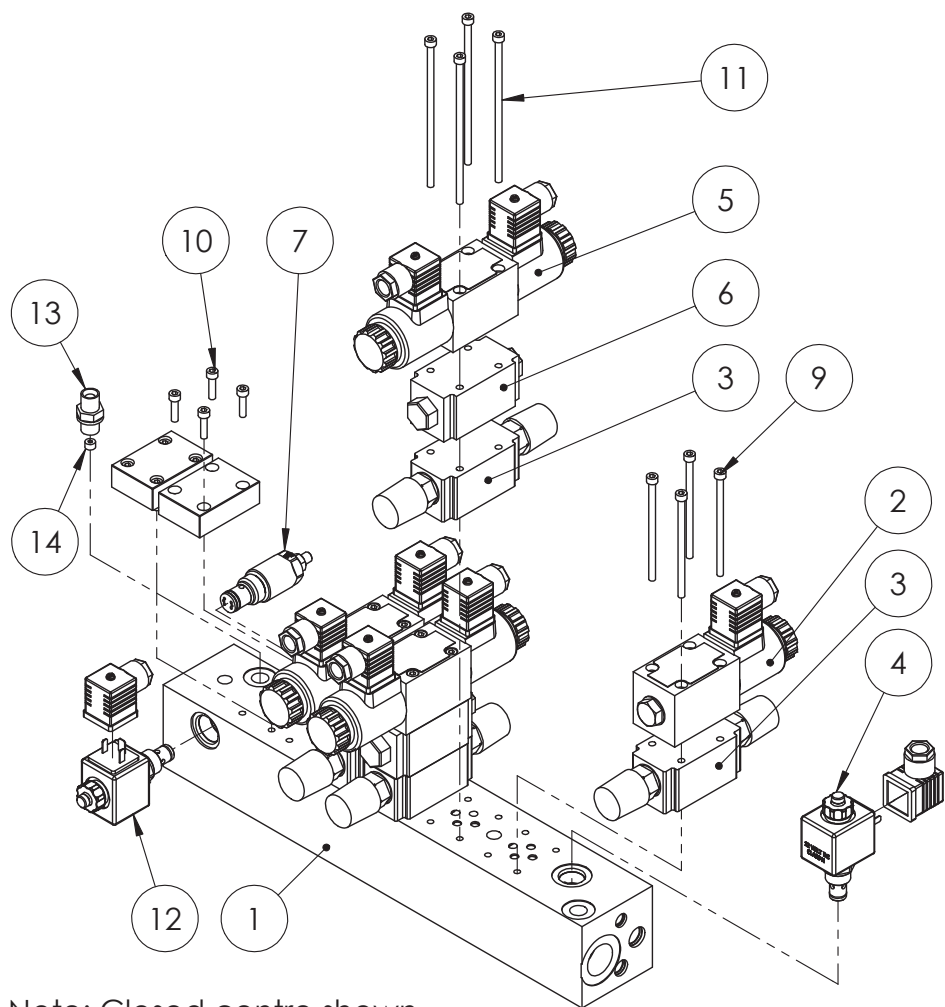
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
10	GA3500211	Hydraulic adaptor, Socket, 1/4" BSPT female x 1/4" BSPT female, S26-0404	1
11	GA5021455	Gauge, Pressure, Small face, 3500psi	1
12	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring, S77-1212	1
13	GA5002421	Check Valve, Hydraulic, 0 bar, 3/4" BSPP	1
14	GA3500227	Hydraulic adaptor, Nipple, 3/4" BSPT male x 3/4" BSPT male, S27-1212	1

## Spool Valve Mounting Assembly




ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	COMP0013	Spool valve cover suit advance	1
2	MACH0035	Mounting Bolts for solenoid cover	2
3	GA5004437	Washer 6mm Flat SS	4
4	GA5048115	Nut M6 Nyloc ZP	4


# Manifold Assembly



Note: Closed centre shown.  
 For open centre replace GA5047647 with GA5047646  
 and S75-0404 1/4 BSPT - 1/4 BSPP straight hyd nipple and  
 GA5047629 (0.6mm load sense orifice)with S73-04 1/4BSPP hyd plug



GA5047615 O-Ring retaining plate



GA5047627 Seal replacement kit  
(Kit includes 4 small and 2 large O-rings)

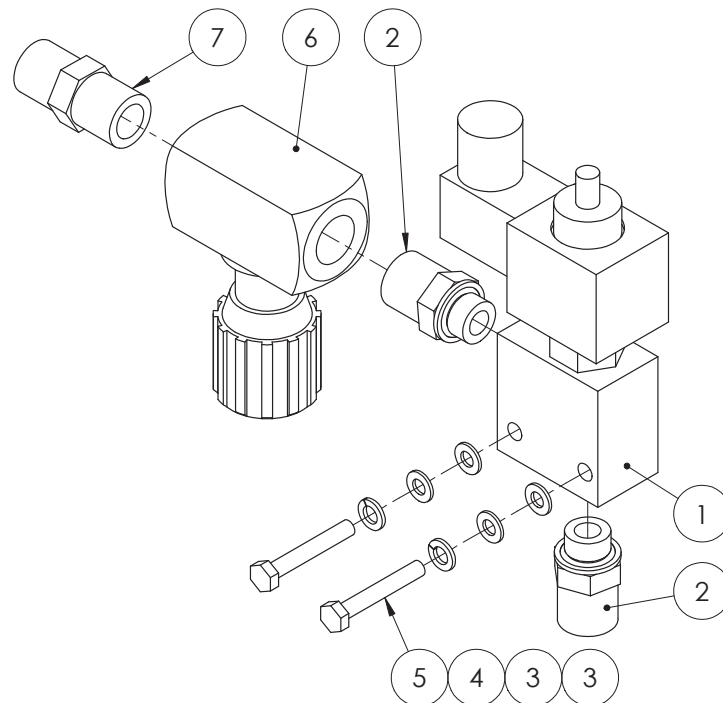
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047500	Manifold 6 Station, bare	1
2	GA5047722	Valve solenoid J spool single, 12V, 3 pin DIN, Bosch	1
3	GA5047581	Hydraulic Valve, Flow control, NG6 A+B	4
4	GA5047341	Valve cart hyd sol poppet 2/2-8-2 cav 12vdc without manual override 3 pin DIN, Boom lower, Bosch	1
5	GA5017387	Valve solenoid J spool 12v, 3 pin DIN, Bosch	3
6	GA5017335	Valve check modular	3
7	GA5047645	Cartridge Valve, Hydraulic Pressure Relief, Pilot Operated, Bosch	1

Continued over page

## Manifold Assembly

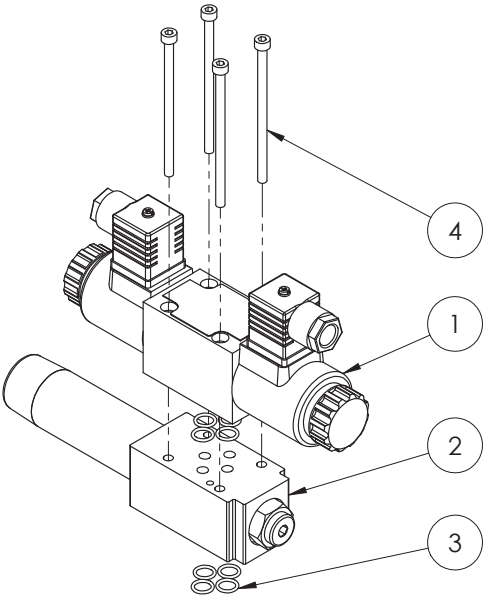
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
8	GA5047335	Plate blanking	1
9	GA5067050	SHCS M5 x 90 ZP GR12.9	4
10	GA5020520	Bolt M5 x 20 ZP GR8.8	8
11	GA5048570	SHCS M5 x 130 ZP GR12.9	12
12	GA5047647	Valve cart hyd sol 2/2-NC-10/2 12VDC, 3 pin DIN, Unloader, Bosch	1
13	GA3500306	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPP male, S75-0404	1
14	GA5047629	Plug Orifice 1/16" NPT x .6mm	1

## Boom Lower Solenoid



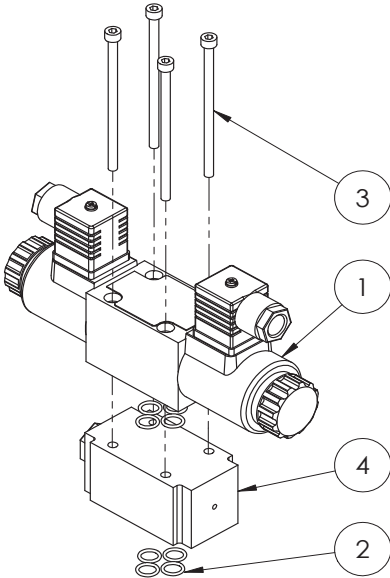
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047344	Hydraulic Solenoid Boom Lower Limit Cartridge and Body	1
2	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male, S75-0806	2
3	GA5004437	Washer 6mm Flat SS	4
4	GA5004447	Washer, 6mm, Spring, SS	2
5	GA5004081	Bolt M6 x 40 ZP GR8.8	2
6	GA5017393	Valve speed control 1/2" offset	1
7	GA3500223	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPT male, S27-0808	1

# Bi-Fold Hydraulic Stack



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5017387	Valve solenoid J spool 12v, 3 pin DIN, Bosch	1
2	GA5017373	Valve reducing modular	1
3	GA5047627	Seal kit - viton, suits CEE top	2
4	GA5067050	SHCS M5 x 90 ZP GR12.9	4

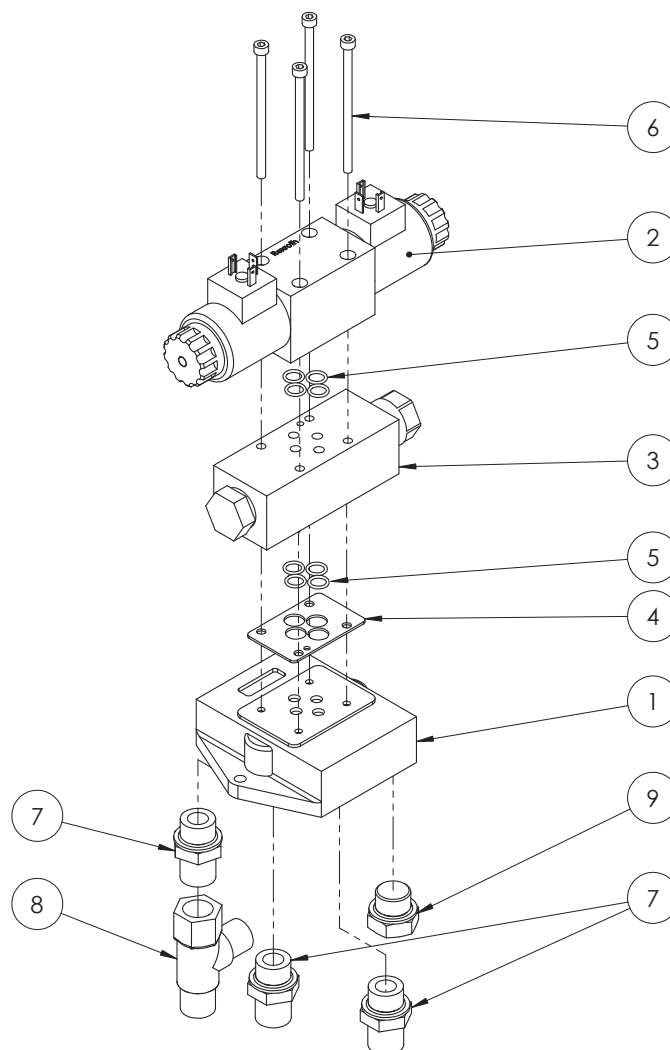
# Smart Steer Hydraulic Stack



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047666	Proportional spool valve	1
2	GA5047627	Seal kit - viton, suit CEE top	2
3	GA5067050	SHCS M5 x 90 ZP GR12.9	4
4	GA5047661	NG6 Check module for load sensing	1



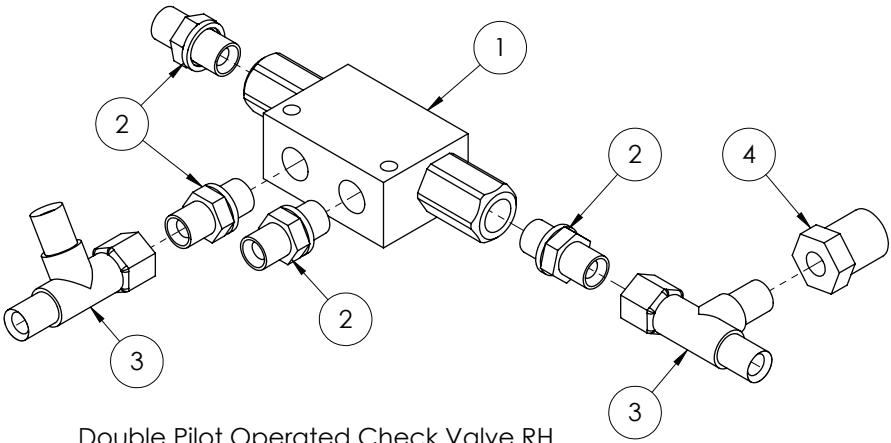
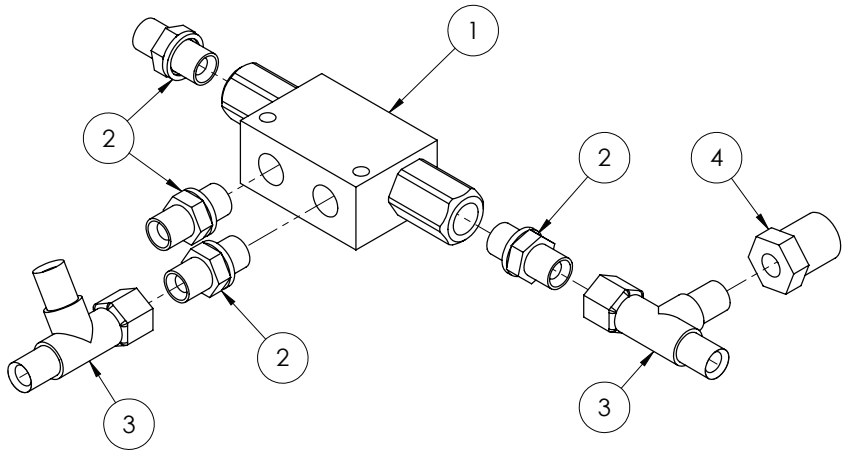
## Fill Pump Hydraulic Manifold Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5016139	Hydraulic manifold, Single valve port, 1/2" inlets / outlets	1
2	GA5017387	Valve solenoid J spool 12v, 3 pin DIN, Bosch	1
3	GA5047583	Valve pressure flow comp stackable	1
4	GA5047615	Plate Z2FS6 O-ring	1
5	GA5047627	Seal kit - viton, suit CEE top	2
6	GA5067050	SHCS M5 x 90 ZP GR12.9	4
7	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male, S75-0808	3
8	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel, S167-080808	1
9	GA3500301	Hydraulic adaptor, Plug, 1/2" BSPP male, S73-08	1

# Bi-Fold Check Valve

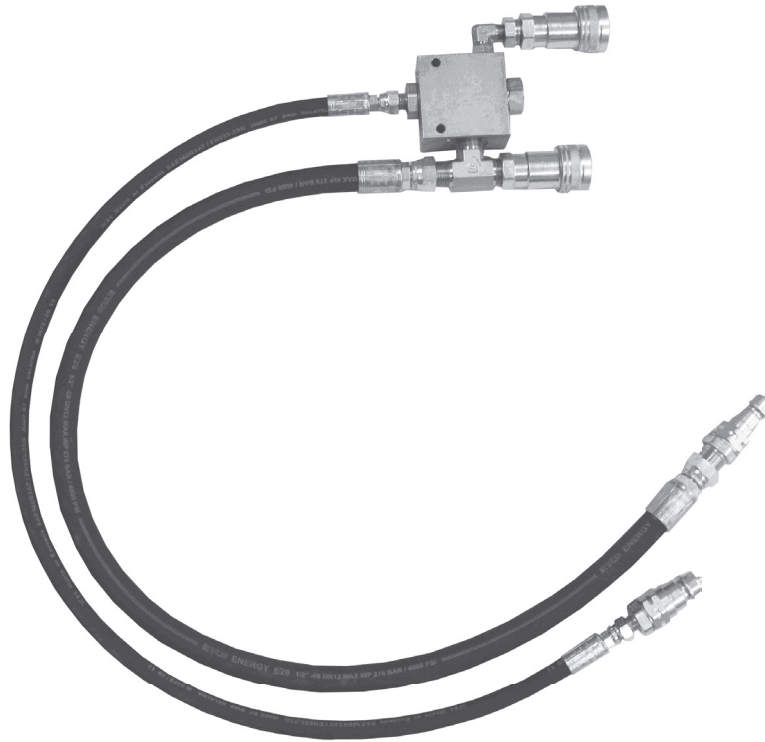
Double Pilot Operated Check Valve LH



Double Pilot Operated Check Valve RH

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, S75-0404	4
3	GA3500199	Hydraulic adaptor, Tee, 1/4 BSPT male x 1/4 BSPT male x 1/4 BSPP female, S167-040404	2
4	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female, S24-0804	1

## Load Sense Turbo Valve



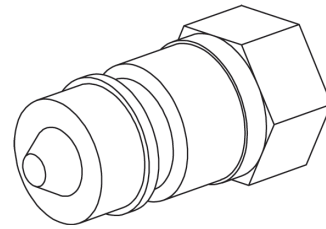
GA4902590 Complete Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	GA5047677	Load sense turbo valve	1
	GA5078000	Quick connect fitting, 1/2 male tip x 1/2 female thread, R81-08M	2
	GA5078001	Quick release coupling, Ball check valve, Push/pull, Female body, 1/2" BSPP female, R81-08P	2
	GA3500308	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/2" BSPP male, S75-0408	2
	GA3500270	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPT male, S50-080808	1
	GA3500399	Hydraulic crimp coupling, Straight, 1/2" hose x 1/2" BSPP female swivel, T2020-0808	2
	GA3500397	Hydraulic crimp coupling, Straight, 1/4" hose x 1/4" BSPP female swivel, T202-0404	2
	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male, S75-0808	1
	GA3500320	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP male O-ring, S77-0404	1
	GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female, S24-0804	1
	GA3500182	Hydraulic hose, 1/2", Flexor R2AT08	1
	GA5049695	Hose, Hydraulic, 1/4", 2 wire, Black	1

## Quick Release Couplings

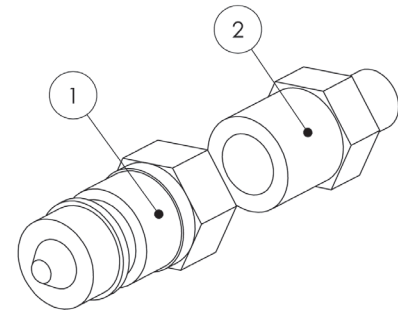
### 1/2" Hydraulic Lines

ITEM	PART NO	DESCRIPTION
1	GA5078000	Quick connect fitting, 1/2" male tip x 1/2" female thread



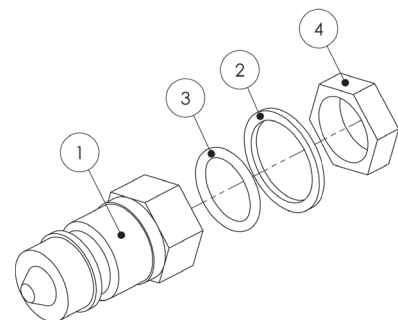
### 1/4" Hydraulic Lines

ITEM	PART NO	DESCRIPTION
1	GA5078000	Quick connect fitting, 1/2" male tip x 1/2" female thread
2	GA3500221	Hydraulic adaptor, Nipple, 1/2" BSP x 1/4" BSP



### Hydraulic Pump Lines

ITEM	PART NO	DESCRIPTION
1	GA5078000	Quick connect fitting, 1/2" male tip x 1/2" female thread
2	GA5076891	Ring Retaining BSPP 1/2"
3	GA5078121	1/2" Hydraulic O-Ring
4	35B-08	1/2" BSPP Lock Nut



Note: Plastic Cover for when fittings are not in use is available Part No: GA5052365

## Hydraulic Hoses

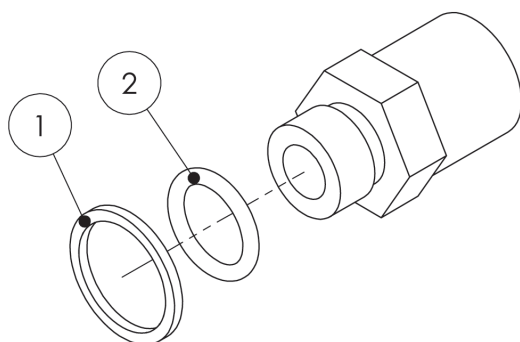
PART NO	DESCRIPTION
GA5067925	1/4" Hydraulic Hose, Tractor to fold cylinders
GA5067930	1/2" Hydraulic Hose, Tractor to Boom Lower Solenoid
GA5067940	1/2" Hydraulic Hose, Accumulator manifold to lift cylinders
GA5067945	1/4" Hydraulic Hose, Tractor to tilt cylinders

## Hose ID Tags



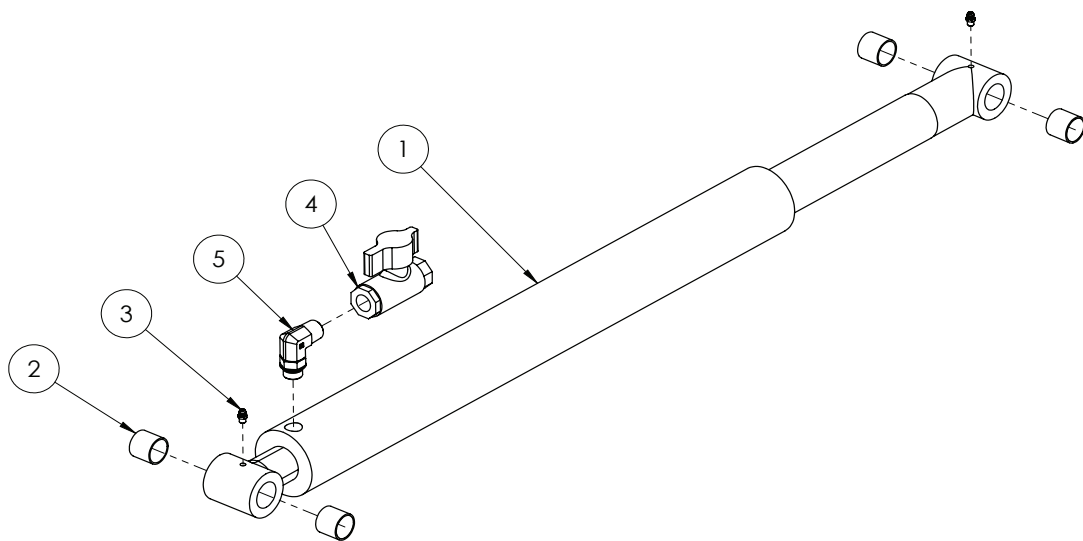
PART NO	DESCRIPTION
F71023A	ID Tag for Fold In
F71024A	ID Tag for Fold Out
F71025A	ID Tag for Boom Raise/Lower
F70134A	ID Tag for Left Hand Tilt
F70135A	ID Tag for Right Hand Tilt
F71018A	ID Tag for Bi-Fold In
F71019A	ID Tag for Bi-Fold Out
F71020A	ID Tag for Pressure
F71021A	ID Tag for Tank
F71022A	ID Tag for Load Sense
F71026A	ID Tag for Brakes

## Hydraulic O-Rings and Retaining Washers



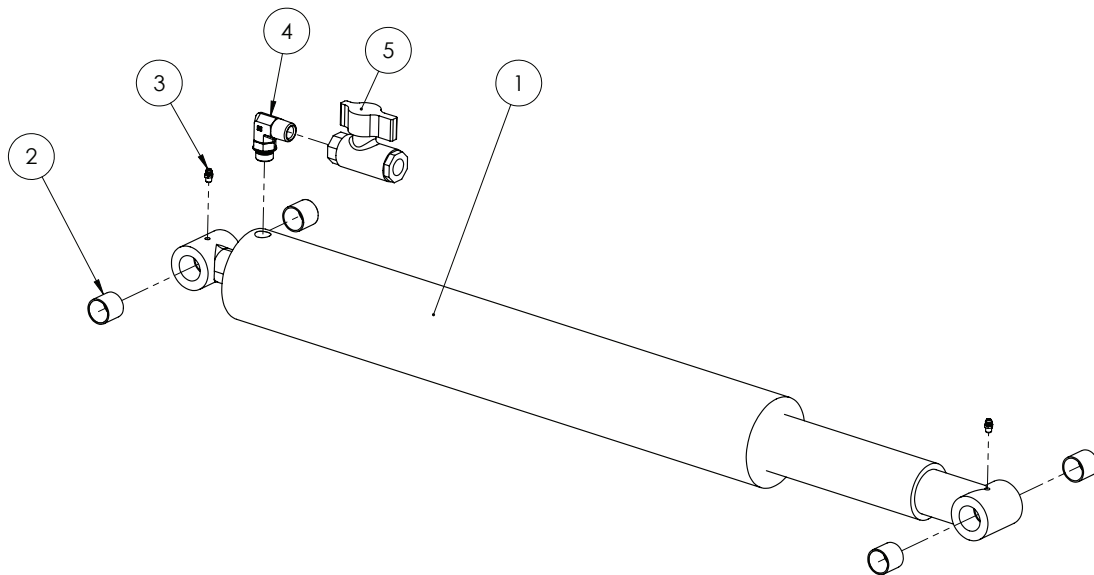
ITEM	PART NO	DESCRIPTION
1	GA5076889	Ring Retaining 1/4" BSPP
	GA5076890	Ring Retaining BSPP 3/8"
	GA5076891	Ring Retaining BSPP 1/2"
	GA5076892	Retaining Ring BSPP 3/4"
2	GA5078119	O-Ring BSPP 1/4"
	GA5078120	O-Ring 3/8" BSPP
	GA5078121	O-Ring BSPP 1/2"
	GA5078122	O-Ring BSPP 3/4"

# Hydraulic Cylinder - Boom Lift - Standard



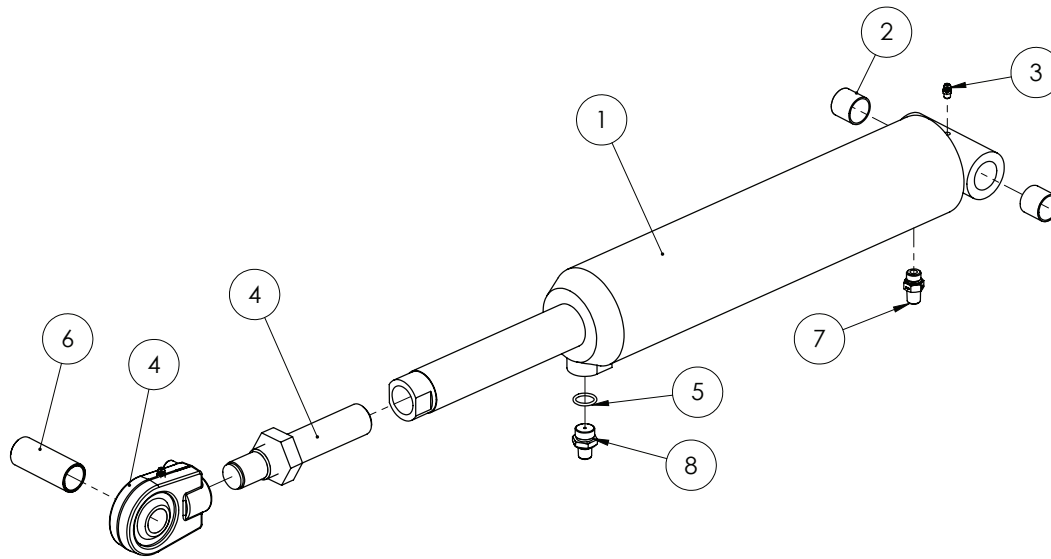
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070082	Hydraulic cylinder - 2.5" bore, 2" rod, 21" Stroke	1
2	GA5065487	Glacier Bush 1 ID x 1 long	4
3	GA5012203	Grease nipple, Short, 1/4 UNF	2
4	GA5000835	Valve, Ball, Hydraulic, 1/2" female thread inlet / outlet	1
5	GA3500349	Hydraulic adaptor, 90 degree Elbow, 1/2" BSP x 3/4" UNO	1

# Hydraulic Cylinder - Boom Lift - Suit 42m



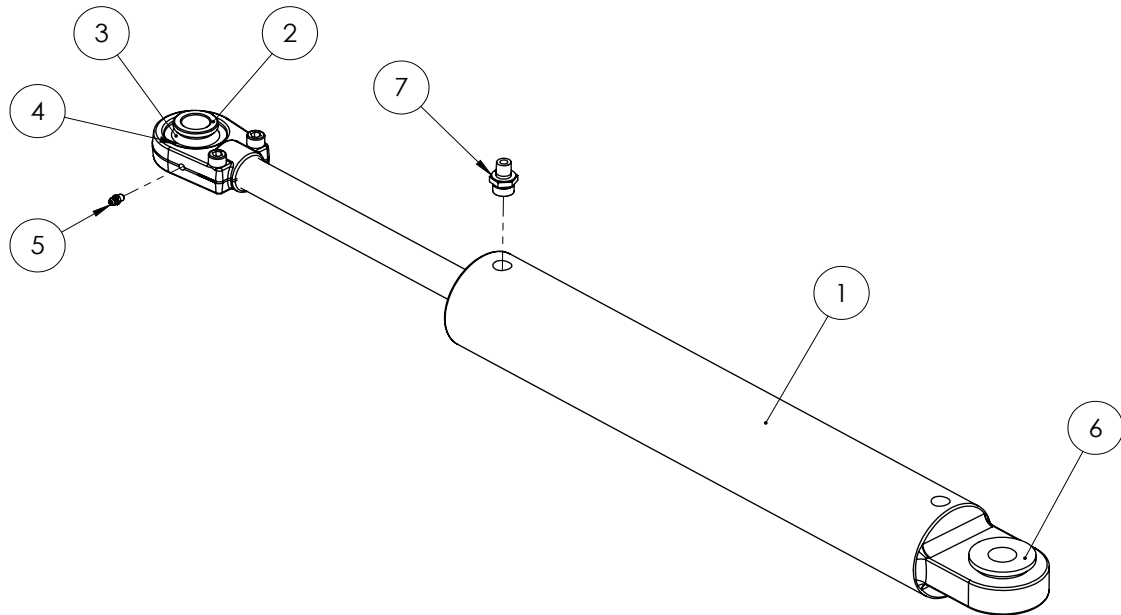
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070079	Hydraulic cylinder - 3" bore, 2.5" rod, 21" Stroke	1
2	GA5065487	Glacier Bush 1" ID x 1" long	4
3	GA5012203	Grease nipple, Short, 1/4" UNF	2
4	GA3500349	Hydraulic adaptor, 90 degree Elbow, 1/2" BSP x 3/4" UNO	1
5	GA5000835	Valve, Ball, Hydraulic, 1/2" female thread inlet / outlet	1

## Hydraulic Cylinder - Boom Tilt



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065051	Hydraulic cylinder, 3.5" OD x 1.75" 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 to suit 3 1/2" x 5" tilt ram GA5065051	1
5	GA5001067	Bearing, screw on rose end, inc bushes, clips	1
6	GA4572535	Bush, Rose end pivot wide suit tilt ram 2013	1
7	GA3500359	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/4" UN male O-ring, S93-0412	1
8	L068A	Hydraulic adaptor, Nipple, 1/4" BSP male x 3/4" UNO male with o-ring	1
	GA5052730	Reducing restrictor nipple, 3/4" UNO x 1/4" BSPT, 1.5mm orifice	
		Seal kit, heavy duty suit 3 1/2" x 1.75" rod, Tilt GA5018551	

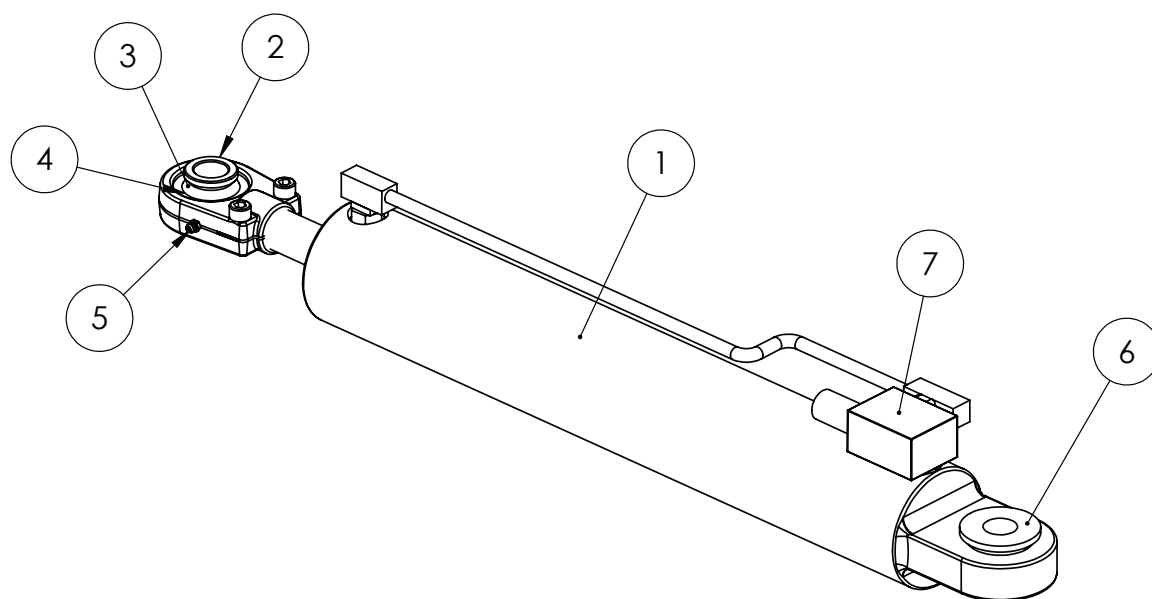
## Hydraulic Cylinder - Boom Fold RH



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018538	Hydraulic cylinder, 3" bore x 1.25" rod x 18" stroke, external phasing (single phase only)	1
2	GA5021925	Small bearing bush	3
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	GA5021930	Large bearing bush, Suit screw on rose end	1
7	L068A	Reducing restrictor nipple, 3/4" UNO x 1/4" BSPT, 1.5mm orifice	1
-	GA5052685	Seal Kit, heavy duty, suit 3 1/4 "	-

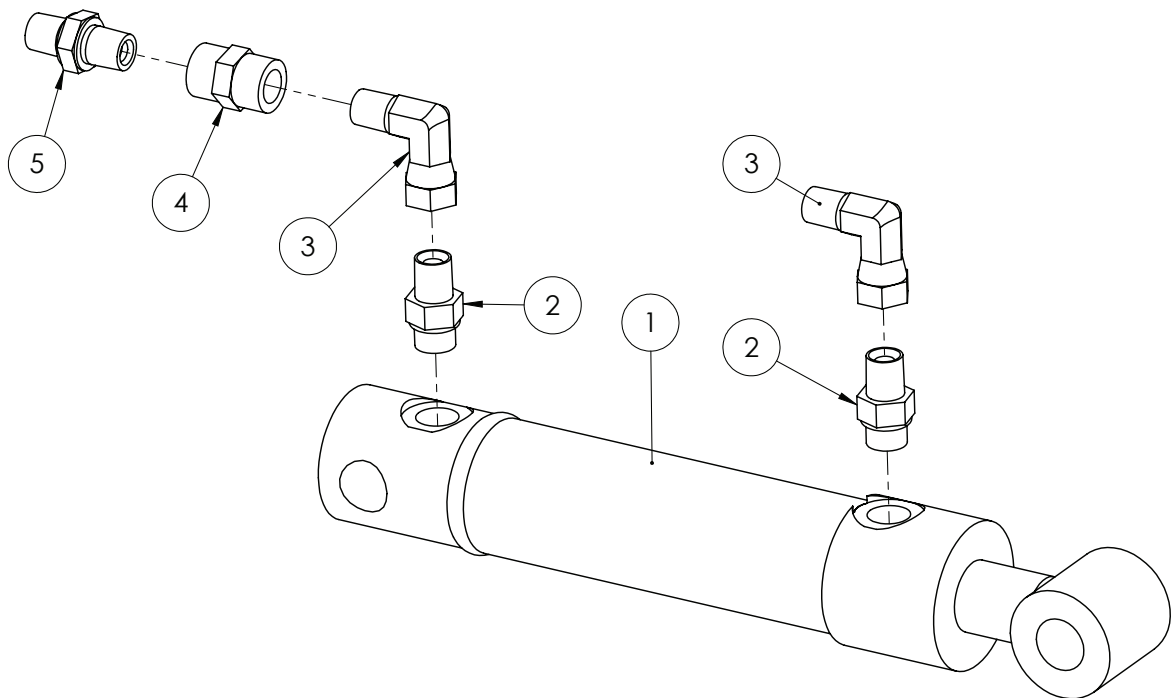


## Hydraulic Cylinder - Boom Fold LH



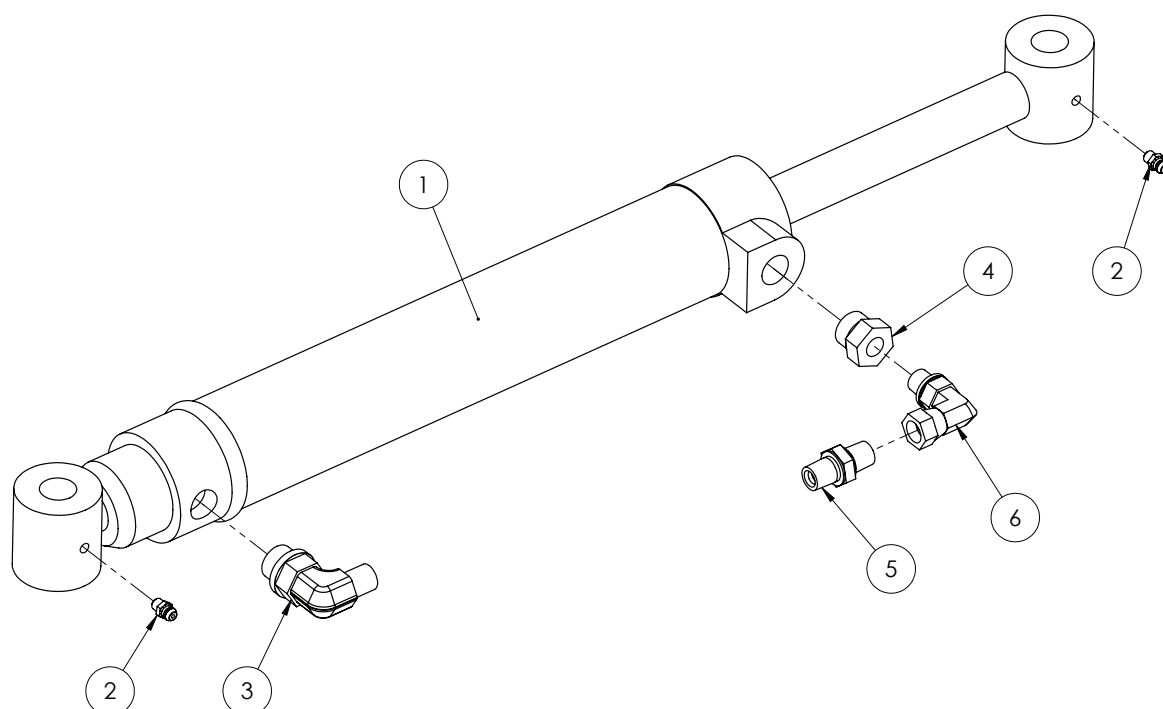
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018542	Hydraulic Cylinder, External phasing, 3.25" bore x 1.25" rod x 18" stroke	1
2	GA5021925	Small bearing bush, Suit screw on rose end	3
3	GA5067605	Bearing, suit screw on rose end, GEG 30 ES 2RS	2
4	GA5067610	Circlip, suit bearing screw on rose end, RTW 55	2
5	GA5012203	Grease nipple, Short, 1/4" UNF	2
6	GA5021930	Large bearing bush, Suit screw on rose end	1
7	GA5022423	Relief Valve, suit folding Phasing Cylinders GA5018540 & GA5018542	1
-	GA5052685	Seal Kit, heavy duty, suit 3 1/4 " Phasing cylinder GA5018542	-

## Hydraulic Cylinder - Centre Leveling



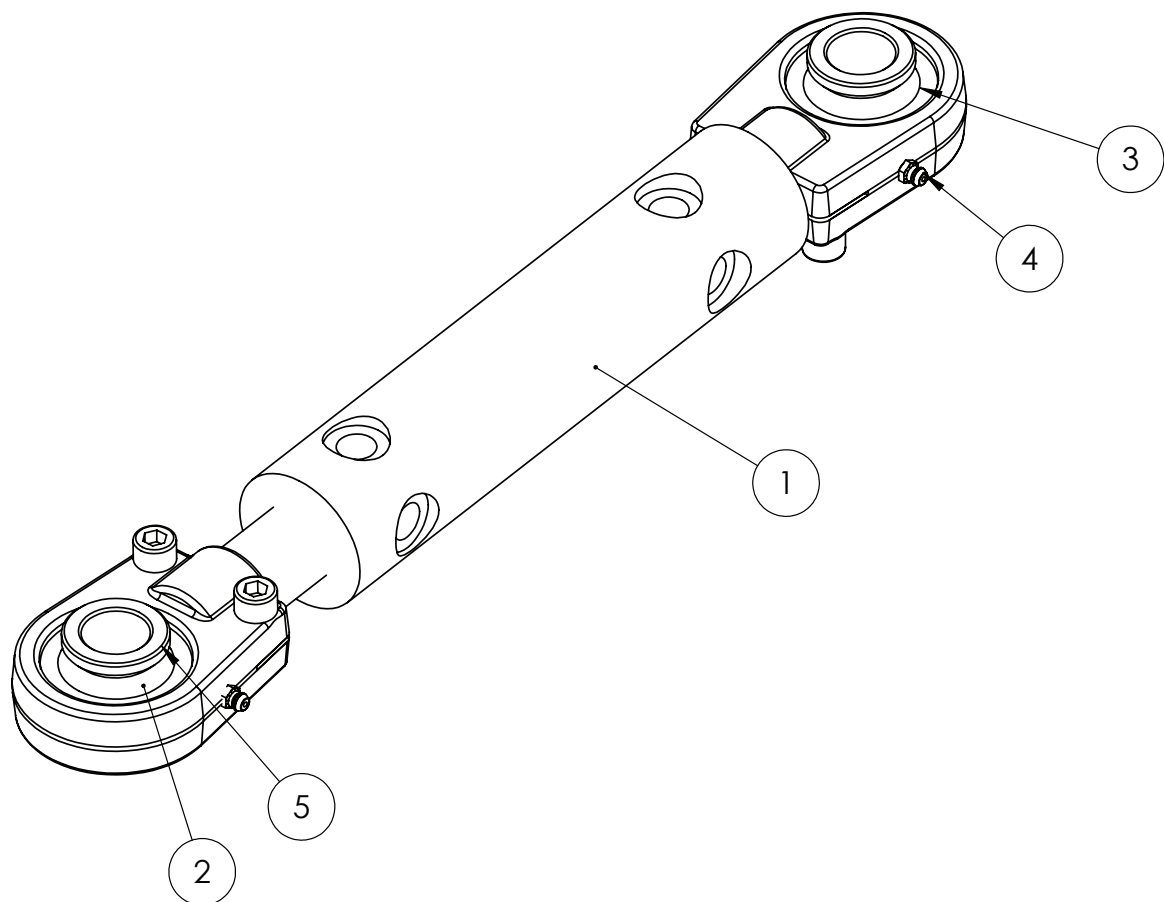
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5016122	Hydraulic Ram 1.5" Bore x 1" rod x 100mm stroke, pin eye ends double acting	1
2	GA3500358	Hydraulic adaptor, Nipple, 1/4" BSPT male x 9/16" UN male O-ring, S93-0409	2
3	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel, S82-0404	2
4	GA3500211	Hydraulic adaptor, Socket, 1/4" BSPT female x 1/4" BSPT female, S26-0404	1
5	GA4562025	Restrictor nipple 1/4" BSPT 0.5mm orifice	1
-	GA5052750	Seal Kit, suit hydraulic cylinder GA5016121	-

## Hydraulic Cylinder - Bi-Fold



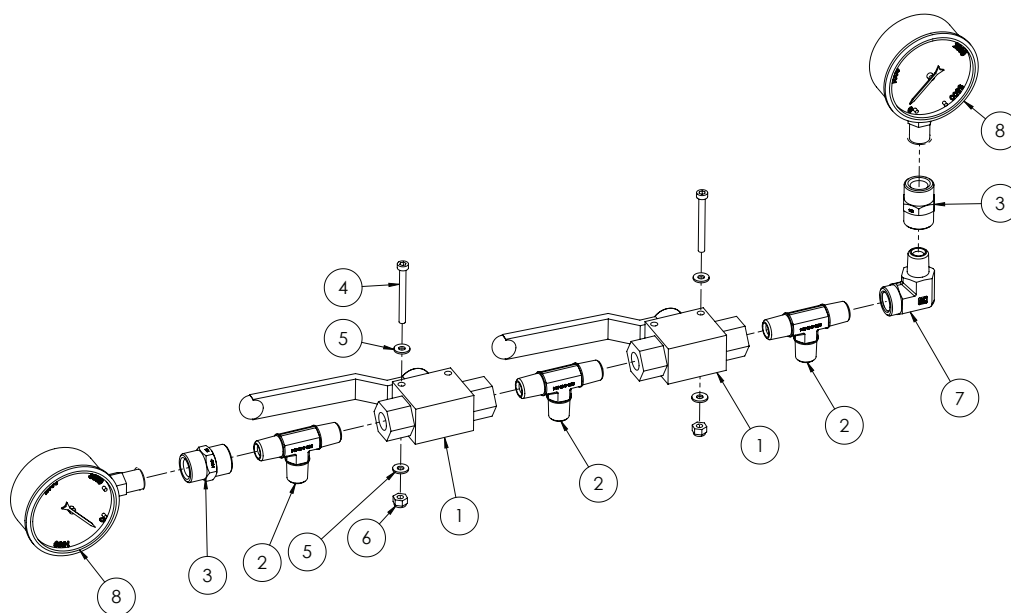
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5021010	Hydraulic cylinder, 2" bore x 1" rod x 10" stroke	1
2	GA5012203	Grease nipple, Short, 1/4" UNF	2
3	GA3500348	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 3/4" UN male O-ring, S89-0412	1
4	GA3500340	Hydraulic adaptor, Reducing bush, 1/4" BSPT female x 3/4" UN male O-ring, S85-0412	1
5	GA4562025	Restrictor nipple 1/4" BSPT 0.5mm orifice	1
6	GA3500195	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPP male o-ring x 1/4" BSPP female swivel	1
-	GA5052755	Seal Kit, suit 2" bore x 1" rod, suits GA5021010	-

# Hydraulic Cylinder - Yaw



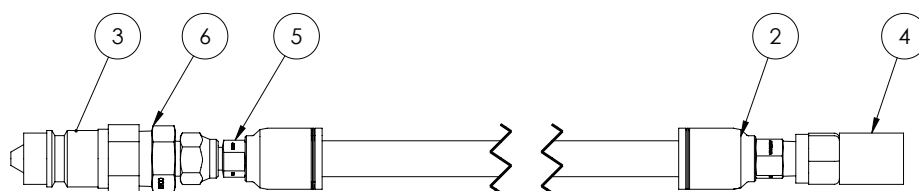
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5060817	Hydraulic cylinder, 2" bore x 1 1/4" shaft x 117.5mm stroke, Spherical bearing ends	1
2	GA5067605	Bearing, GEG 30 ES 2RS	2
3	GA5067610	Circlip, RTW 55	2
4	GA5012203	Grease nipple, Short, 1/4" UNF	2
5	GA5021925	Small bearing bush	4
-	GA5052745	Seal Kit, heavy duty, 2" bore x 1 1/4" shaft	-

## Yaw Control Valve Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078083	Valve, Ball, Hydraulic, 1/4" BSP female thread inlet / outlet	2
2	GA3500269	Hydraulic adaptor, Tee, 1/4" BSP male x 1/4" BSP male x 1/4" BSP male	3
3	GA3500211	Hydraulic adapter, Socket, 1/4" female BSP x 1/4" female BSP	2
4	GA5049800	SHCS M4 x 40 ZP GR12.9	2
5	GA5020510	Washer 4mm Flat SS	4
6	GA5049025	Nut M4 Nyloc SS	2
7	GA3500209	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT female	1
8	GA5021455	Gauge, Pressure, Small face, 3500psi	2

## Hydraulic Yaw Charge Line



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5049695	Hose, Hydraulic, 1/4", 2 wire, Black	1
2	GA3500394	Hydraulic coupling, Straight, 1/4" hose crimp x 1/4" BSPT male	1
3	GA5078000	Quick connect fitting, 1/2" male tip x 1/2" female thread	1
4	GA5077350	Direct gauge coupling 1/4"	1
5	GA3500397	Hydraulic coupling, Straight, 1/4" BSP female thread x 1/4" hose crimp	1
6	GA3500221	Hydraulic adaptor, Nipple, 1/2" BSP x 1/4" BSP	1

# Raw Hide & Spiral Guard

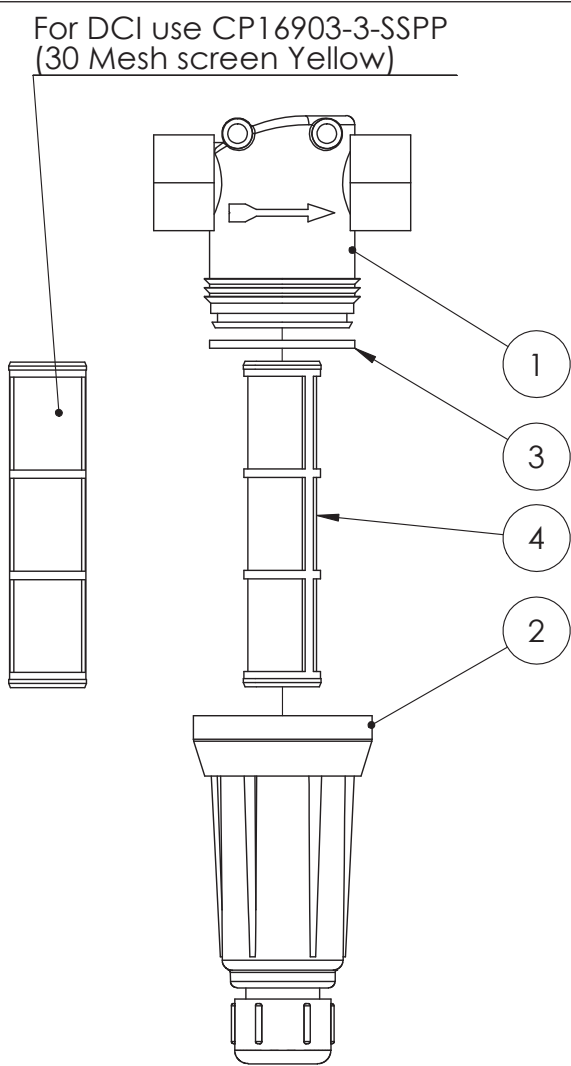


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	GA5053630	Rawhide hose protection 23mm	
	GA5053710	Rawhide Hose protector 31mm	
	GA5053640	Rawhide hose protection 36mm	
	GA5053705	Rawhide Hose protector 73mm	
	GA5053715	Rawhide Hose protector 56mm	
	GA5066710	Rawhide hose protection 93mm	
	GA5054375	Rawhide, Nylon sleeve, 102mm, Hook & loop closure	
	GA5015669	Spiral guard, Black	



PLUMBING

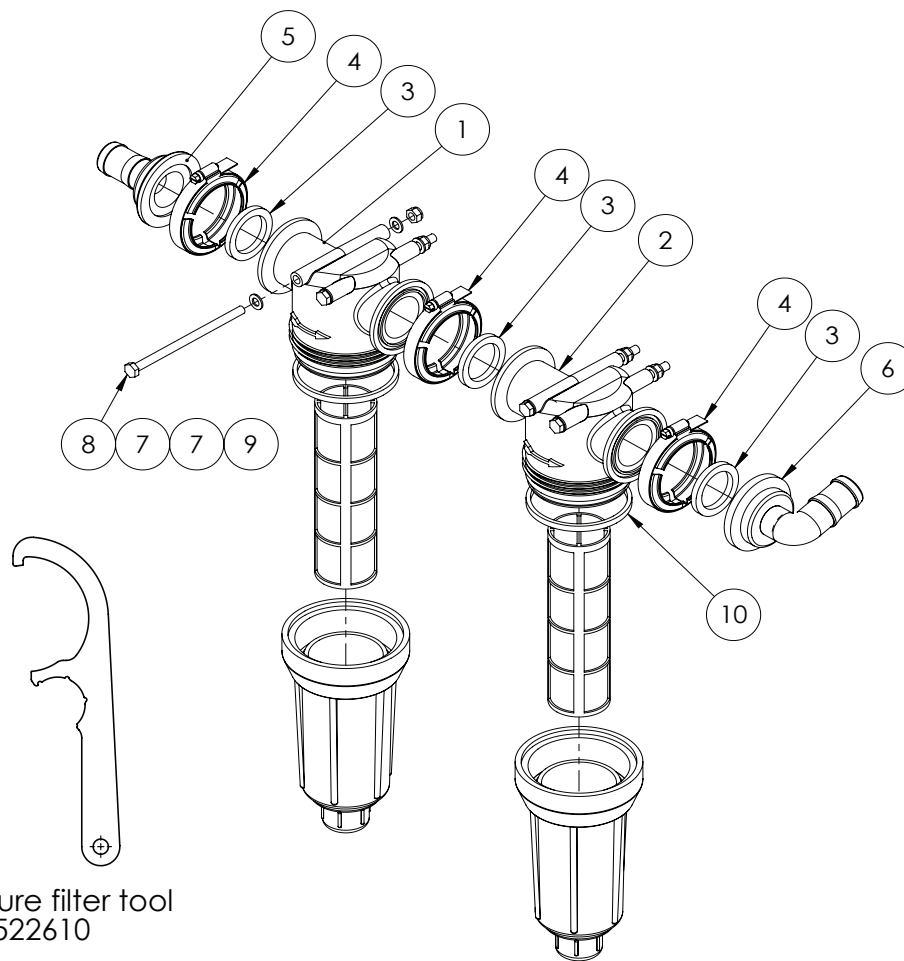
3/4 BSP Filter with 200 mesh screen



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	CPB50492-3/4-PP	AAB126 Filter body	1
2	GA5077633	Filter bowl, AA126, Suits 3/4 + 1, Polypropylene, Teejet, CPB50493-PP	1
3	GA5077546	Seal, Rubber, 59 ID x 64 OD x 3.5 thick, Suit AA126ML-3 or 4 & AA126ML-F50 filters, Teejet, CP50494-EPR	1
4	GA5077404	Filter screen, 200 mesh, SS & polypropylene, Suits Teejet 3/4, 1 & 50 series flange filters. Dia 36mm x Length 147mm.	1
Full Assembly Filter Body			
GA5077271	Filter, 3/4 threaded female inlet/outlet, 30 mesh screen, Teejet, AAB126ML-3-30		
GA5077270	Filter, 3/4 female thread inlet/outlet, 200 mesh screen, Teejet, AAB126ML-3-200		

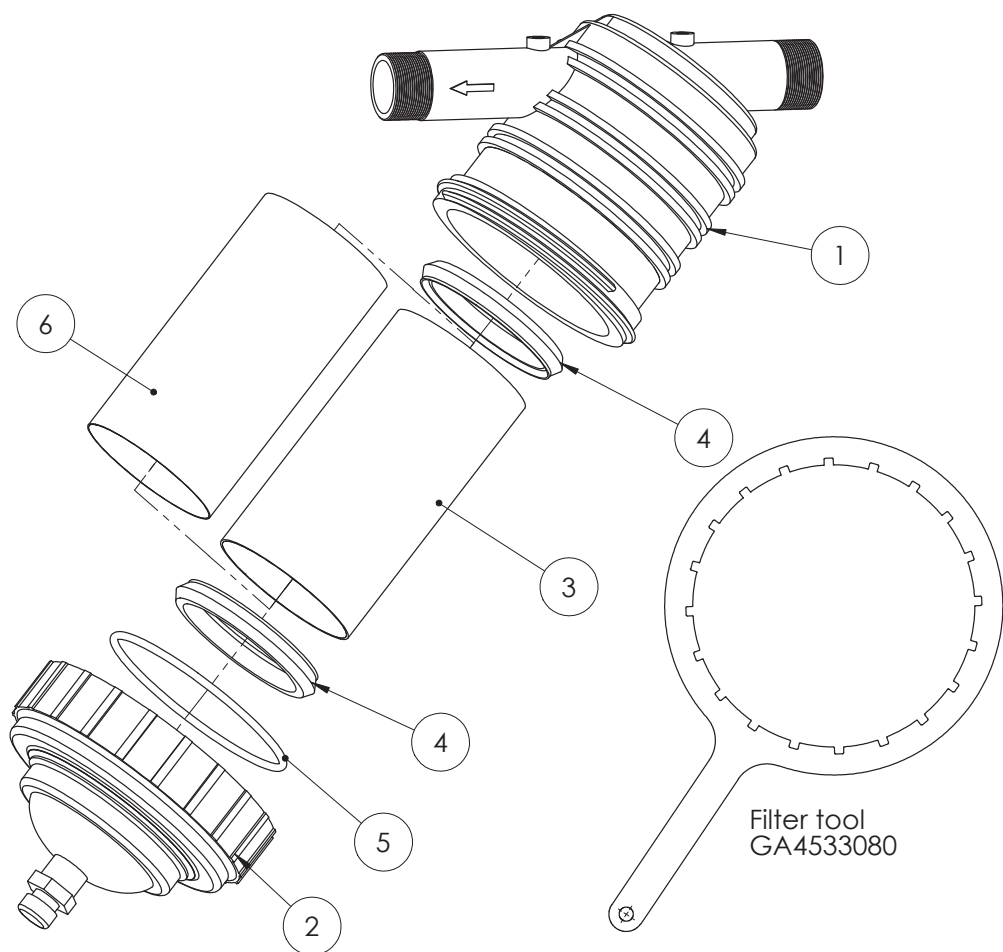


## Pressure Filter Assembly



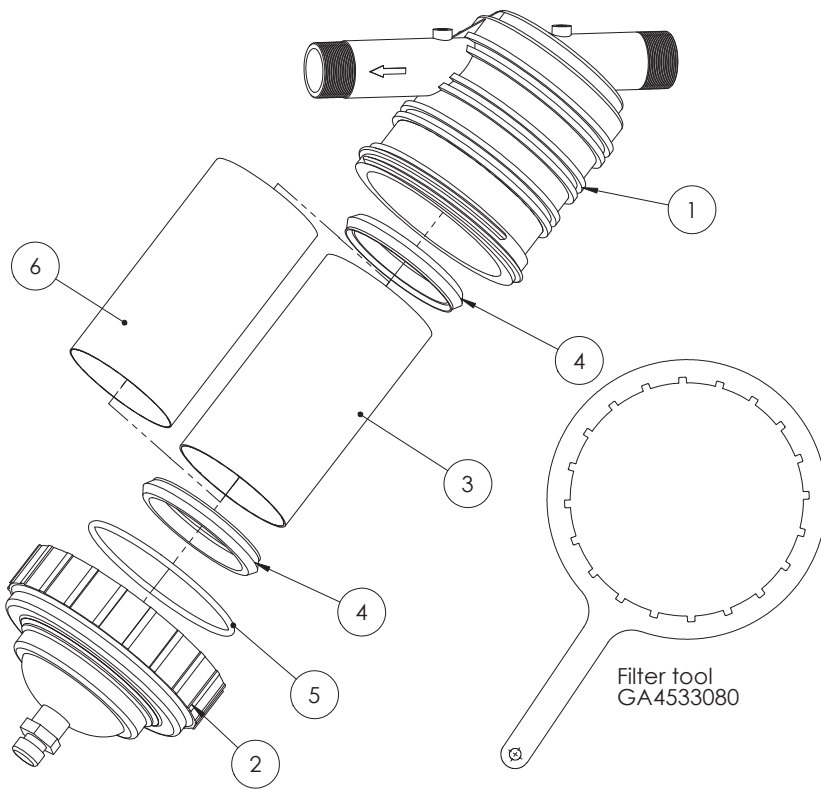
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077285	Filter, 75 series flange inlet & outlet, 80 mesh, Teejet, AAB126ML-F75-80	1
	GA5077394	Filter screen, 80 mesh, SS & polypropylene, Suits Teejet 1 1/4, 1 1/2 & 75 series flange filters. Dia 58mm x Length 200mm.	1
2	GA5077284	Filter, 75 series flange inlet & outlet, 100 mesh, Teejet, AAB126ML-F75-100	1
	GA5077395	Filter screen, 100 mesh, SS & polypropylene, Suits Teejet 1 1/4, 1 1/2 & 75 series flange filters. Dia 58mm x Length 200mm.	1
3	GA5009335	Seal, 41.5 ID x 55 OD x 6.5mm thick, EPDM, suit 1 1/2" flange	3
4	FC200	Clamp, Worm screw, Use with 2" standard flange port, Banjo	3
5	GA5077830	Hose barb, Flanged, Straight, 2 flange x 1 1/4 barb, Banjo, M200125BRB	2
6	GA5077830	Hose barb, Flanged, Straight, 2 flange x 1 1/4 barb, Banjo, M200125BRB	1
7	GA5003643	Washer 8mm Flat SS Heavy Duty	8
8	GA5011503	Bolt M8 x 140 ZP GR8.8	4
9	GA5004917	Nut M8 Nyloc ZP	4
10	GA5077541	Seal, 98 OD x 91 ID x 7 thick, Suits AA126ML-5 or -6 filters, EPDM, Teejet, CP48656-EPR	2

## 2" Fill Filter with 120 mesh screen



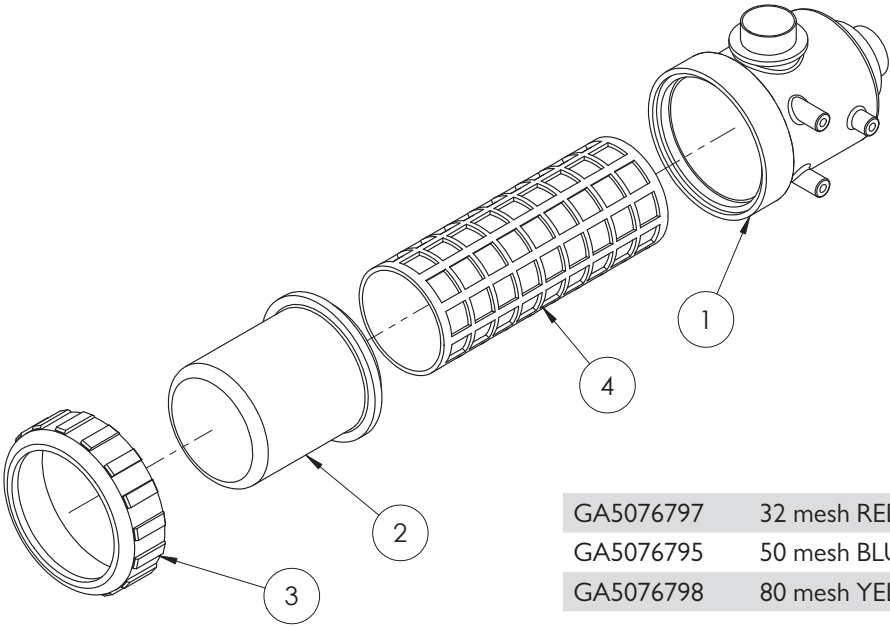
GA5001333 Fill Filter, 2", 7 mesh Stainless steel screen with 50 mesh screen sock, viton, Geoline			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077347	Body t/s 2" Geoline, C00002066	1
2	GA5077349	Geoline top cover & nut	1
3	GA5076845	Filter screen, 50 mesh, SS & polypropylene, Arag, 3290003030, 220MM x 68MM.	1
4	GA5001329	Seal, Viton, Suit Geoline 2" fill filter GA5001333	2
5	GA5012545	O-ring, Suit Geoline 2" fill filter GA5001333	1
6	GA5000421	Filter screen, 50 mesh, White, Sock type, Suit SS filter screen on 2" fill filter	1

## In Line Boom Filter



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4505205	Boom line filter mount plate bolt on	1
2	GA5077270	Filter, 3/4 female thread inlet/outlet, 200 mesh screen, Teejet, AABI26ML-3-200	2
3	GA5048115	Nut M6 Nyloc ZP	8
4	GA5011495	Bolt M8 x 90 ZP GR8.8	4
5	GA5004917	Nut M8 Nyloc ZP	4
6	GA5011243	M12 x 50mm x 50mm Square Top U Bolts	2
7	GA5000587	Washer 12mm Flat ZP Heavy Duty	4
8	GA5012461	Nut M12 Nyloc ZP	4
9	GA5077717	Hose barb, Elbow, 90 degree, 3/4 male thread x 3/4 hose, Banjo, HB075-90	4

# 2" Suction Filter

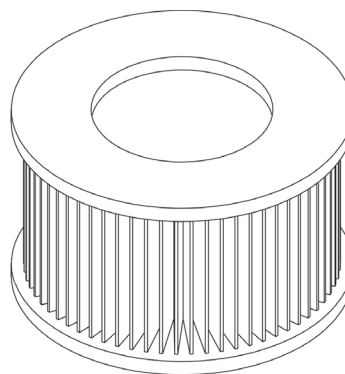
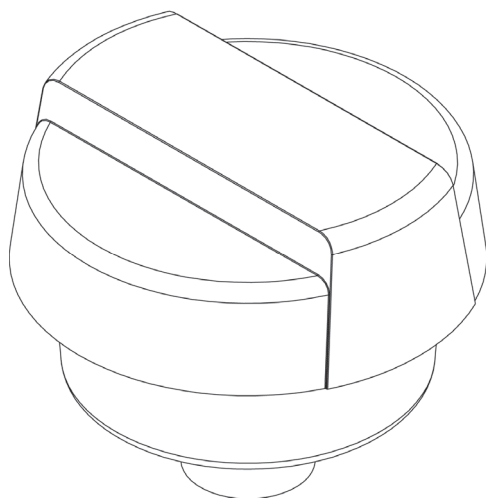


GA5076797	32 mesh RED
GA5076795	50 mesh BLUE
GA5076798	80 mesh YELLOW

GA5076799    Filter, Suction, 2 male inlet & outlet, 32 mesh screen

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	3162070.010	Filter Body, 317, 2", Inlet Outlet thread	1
2	3172000.020	317 Suction Filter Bowl	1
3	GA5076778	Nut, Plastic, Suit 316 suction filter, 8 Threads	1
4	GA5076797	Filter screen, 32 mesh, SS & polypropylene, Arag, 3172002.030. Dia 110mm x Length 285mm.	1

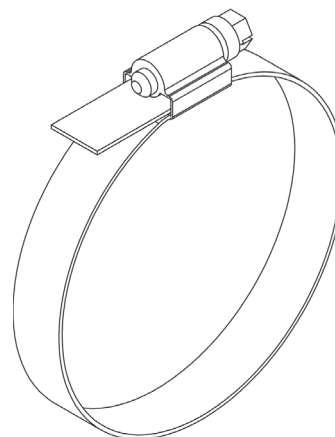
## Air Filter



PART NO	DESCRIPTION
GA5005259	Air filter, 1" BSP male thread
GA5049460	Filter element, For filter body GA5005259, Suit foam marker compressor

## Hose Clamps

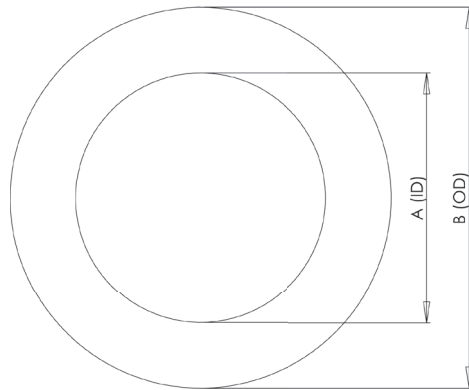
PART NUMBER	DESCRIPTION
GA5004865	8-16mm Hose Clamp
GA5000469	12-20mm Hose Clamp
GA5000999	16-25mm Hose Clamp
GA5001681	20-32mm Hose Clamp
GA5002783	30-45mm Hose Clamp
GA5002873	32-50mm Hose Clamp
GA5003325	40-60mm Hose Clamp
GA5016815	50-70mm Hose Clamp
GA5004241	60-80mm Hose Clamp



## Cable Ties

PART NUMBER	DESCRIPTION	QTY
GA5002173	Cable Tie, Black, 100x2.5mm	1
GA5003517	Cable Tie, Black, 140x3.5mm	1
GA5004455	Cable Tie, Black, 190x4.5mm	1
GA5000685	Cable Tie, Black, 320x7.5mm	1
GA5000687	Cable Tie, Black, 360x4.5mm	1
GA5021235	Cable Tie, Black, 540x7.5mm	1

# Hoses



## Suction Hose

Part No	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

Suction hose can be defined by its external green stripe and wire reinforcement

## Pressure Hose

Part No	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

Pressure hose can be defined by its blue internal layer

## PVC Hose

Part No	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

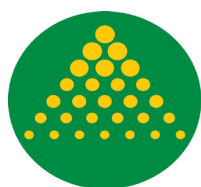
PVC Hose can be defined by its ribbed outside finish

## Sight Tube Hose

Part No	Description	Internal Diameter (A)	Outside Diameter (B)
GA2000209	12mm Clear Sight Tube Hose		
GA2000210	12mm Clear Sight Tube Hose with wire		

## Lay Flat Hose

Part No	Description	Internal Diameter (A)	Outside Diameter (B)
GA5021395	50mm Blue Lay flat Hose		



**GOLDACRES**

*Australia's World Class Sprayers*

[www.goldacres.com.au](http://www.goldacres.com.au)