

Prairie Pro

Parts Manual MY17



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FROM SERIAL #201877



GOLDACRES

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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- Unless previously withdrawn, Goldacres quotations are open for acceptance within the period stated therein or, when no period is stated, with 14 days only of the quotation date.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(i) 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(i) 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.

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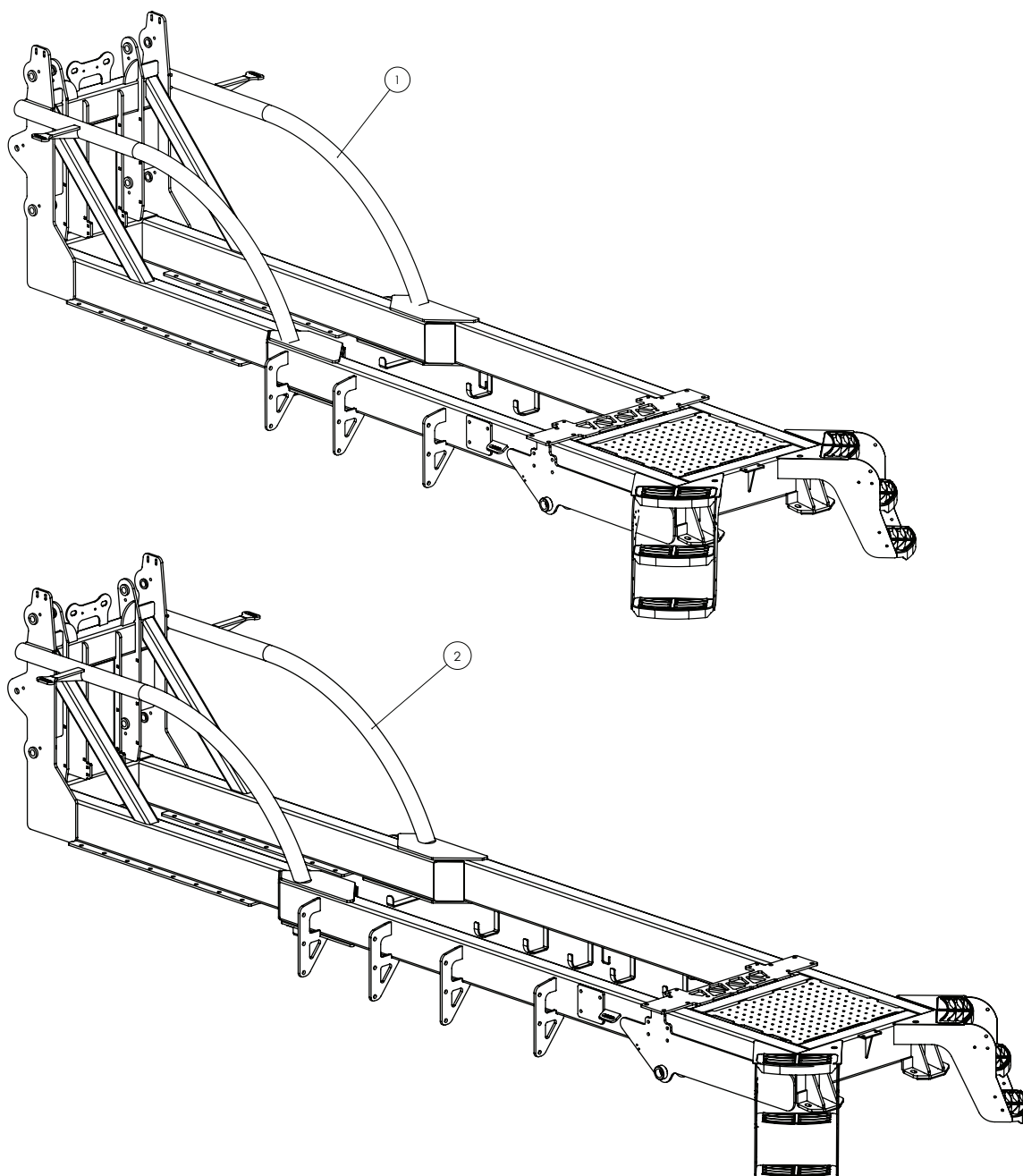
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Chapter I

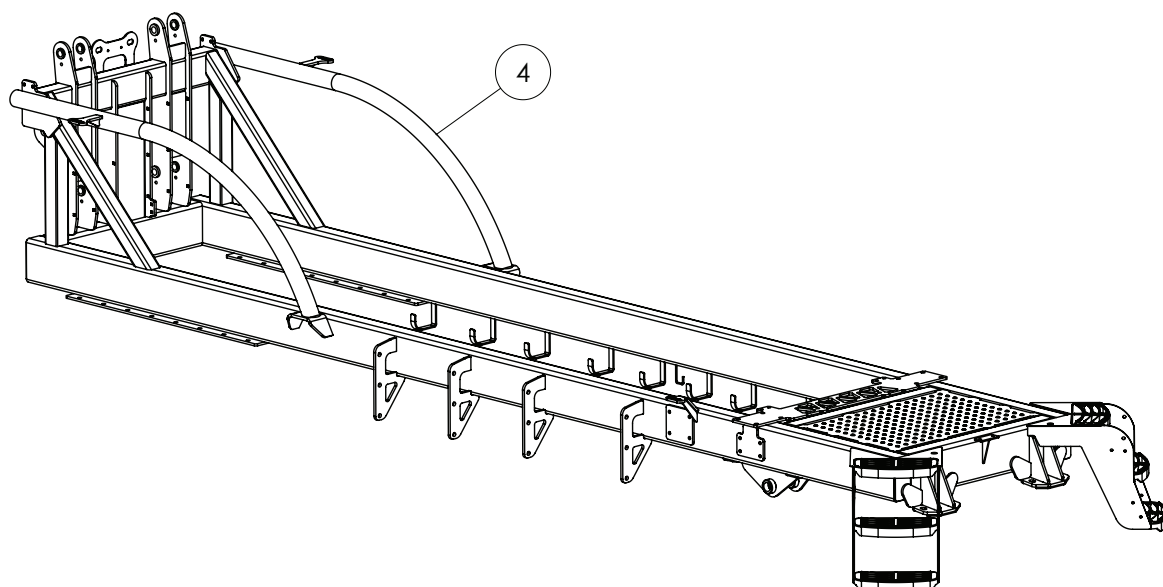
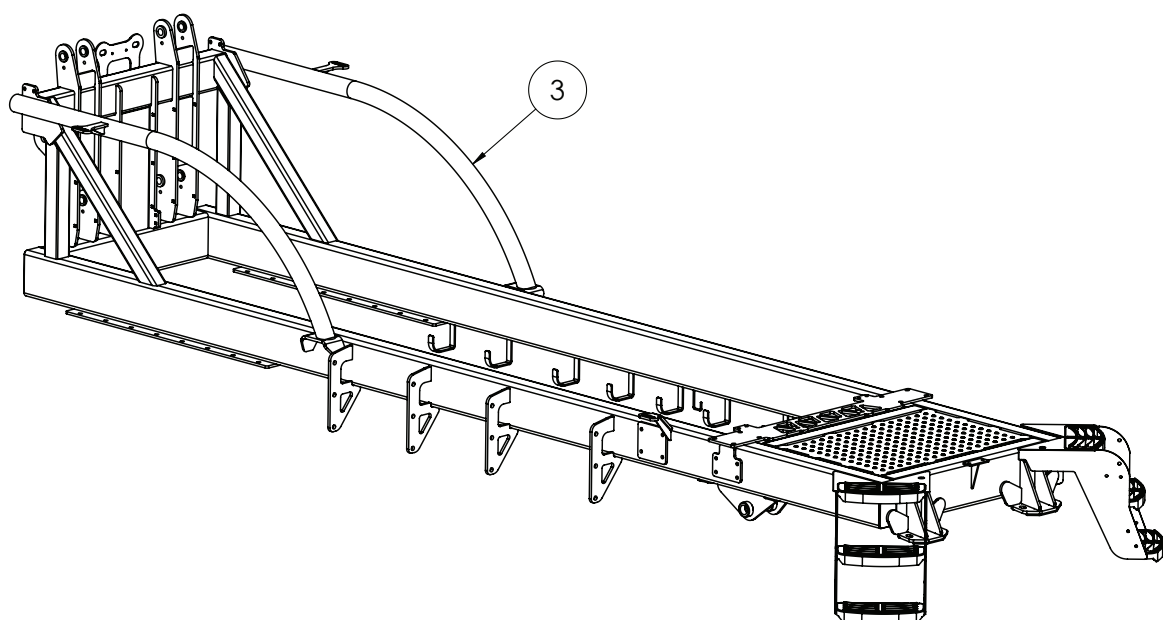
CHASSIS

Chassis - 4000-8500L



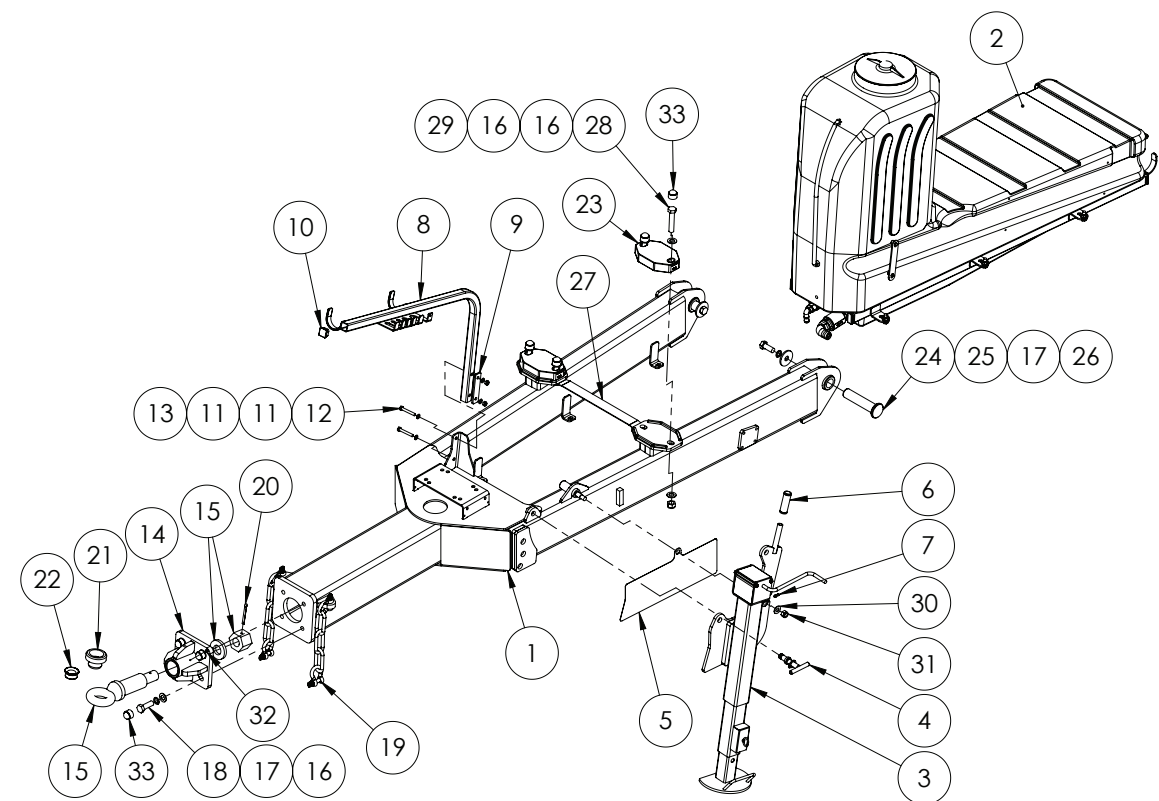
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Chassis - 4000-8500L



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659510	Chassis Prairie 4000 and 5000	1
2	GA4659515	Chassis Prairie 6500	
3	GA4659520	Chassis Prairie 7500	
4	GA4659525	Chassis Prairie 8500	

Pull - 4000-6500L



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	1
2	^	400L Flush Tank	1
3	GA4656436	Jack	1
4	GA4656437	Jack T bolt	1
5	GA4522297	Wear plate, Jack	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	1
9	GA4522926	Hose support backing plate	1
10	GA5002911	35 x 35mm square tube insert black	1
11	GA5000117	Washer 10mm Flat SS HD	4
12	GA5011163	Bolt M10 x 70 ZP GR8.8	2
13	GA5000141	Nut M10 Nyloc ZP	2
14	GA4659555	Towing eye, housing, angled, Bolt on	1
15	GA5016243	Towing eye, Suit trailing sprayer, No insert bush	1
16	GA5001741	Washer 20mm Flat SS HD	12

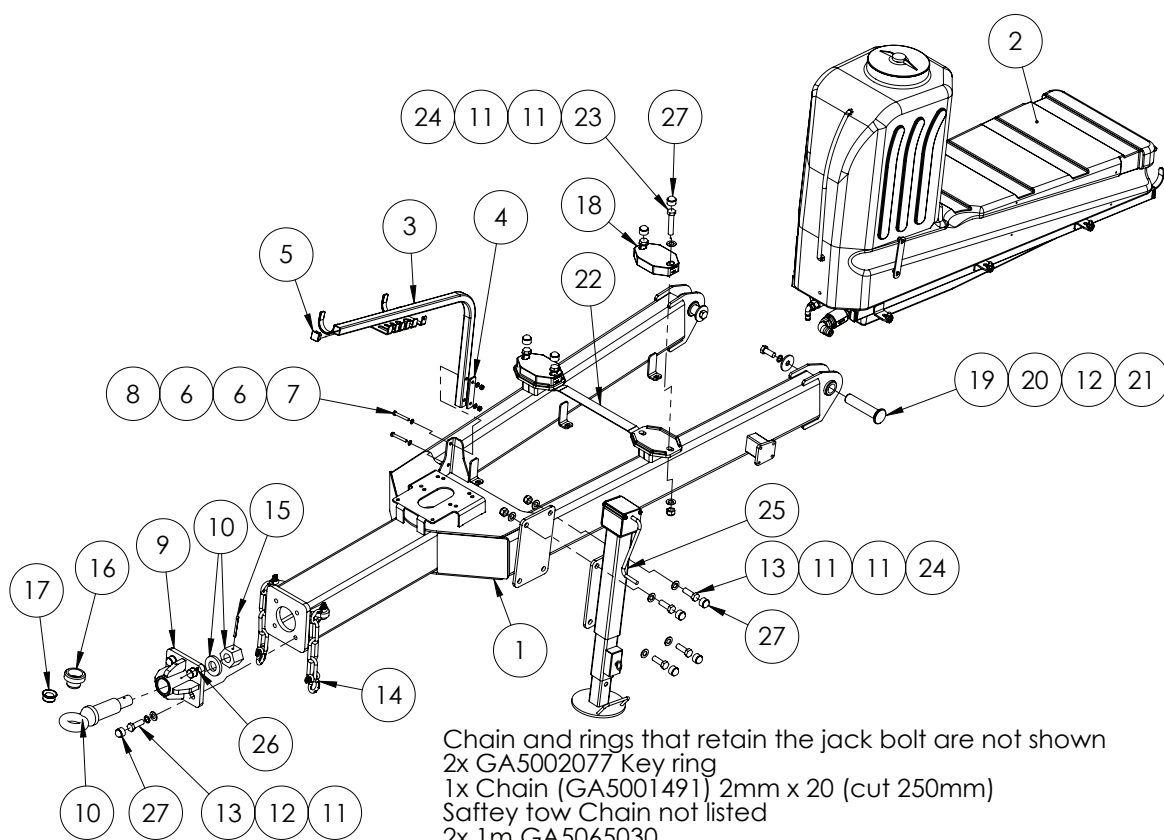
^ See Chapter 3 'Flush Tank' for sub-assembly.

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Pull - 4000-6500L

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
17	GA5001721	Washer 20mm Spring SS	6
18	GA5011333	Bolt M20 x 60 ZP GR8.8	4
19	GA5075230	Bow Shackle 13mm WLL 3.25T Black	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	GA5011321	Set Screw M20 x 50 Course 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	GA5001043	Washer 16mm Flat SS HD	1
31	GA5001029	Nut M16 Nyloc ZP	1
32	GA5012203	Grease nipple, Short, 1/4" UNF	1
33	GA5054690	Cap M20 hex nut cover	8

Pull - 7500/8500L



Note: GA4905650 - Chain safety complete kit MY13

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659550	Pull Prairie 7500 and 8500	1
2	^	400L Flush Tank	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 HD	4
7	GA5011163	Bolt M10 x 70 ZP GR8.8	2
8	GA5000141	Nut M10 Nyloc ZP	2
9	GA4659555	Towing eye, housing, angled, Bolt on	1
10	GA5016243	Towing eye, Suit trailing sprayer, No insert bush	1
11	GA5001741	Washer 20mm Flat SS HD	20
12	GA5001721	Washer 20mm Spring SS	6
13	GA5011333	Bolt M20 x 60 ZP GR8.8	8
14	GA5075230	Bow Shackle 13mm WLL 3.25T Black	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

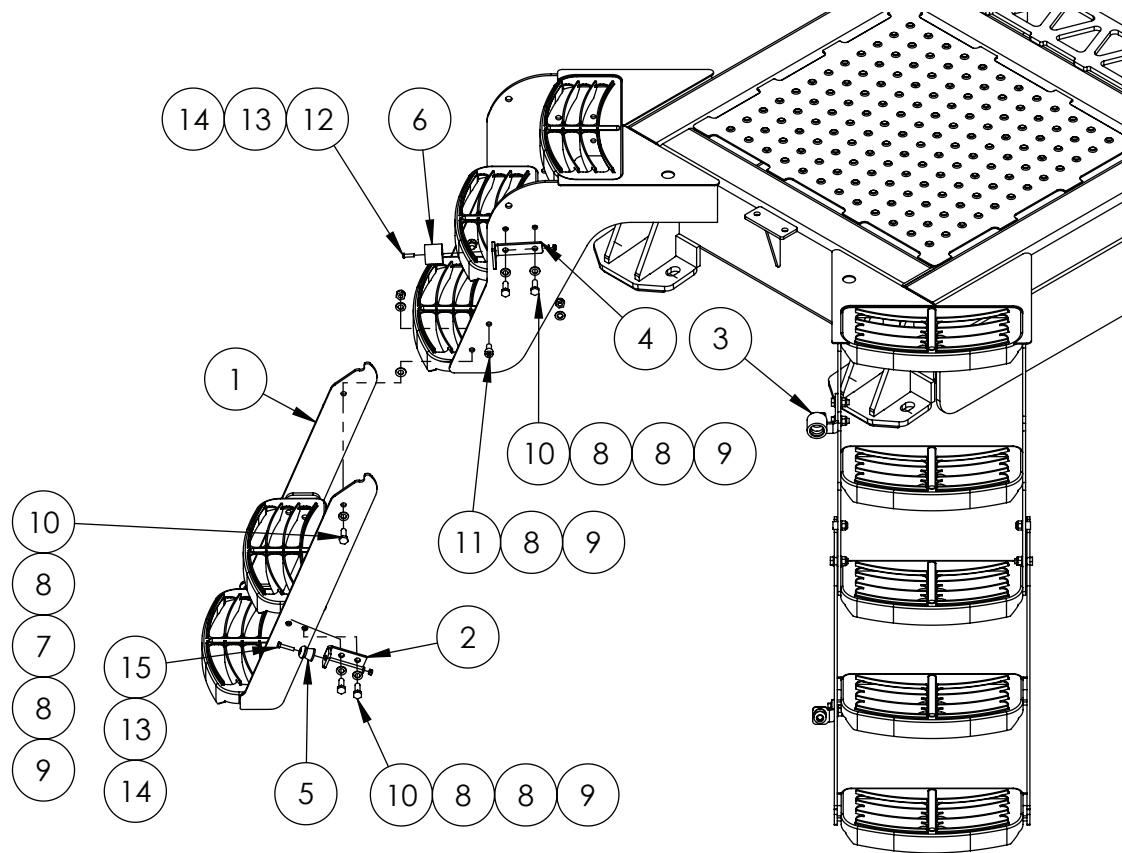
^ See Chapter 3 'Flush Tank' for sub-assembly.

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Pull - 7500/8500L

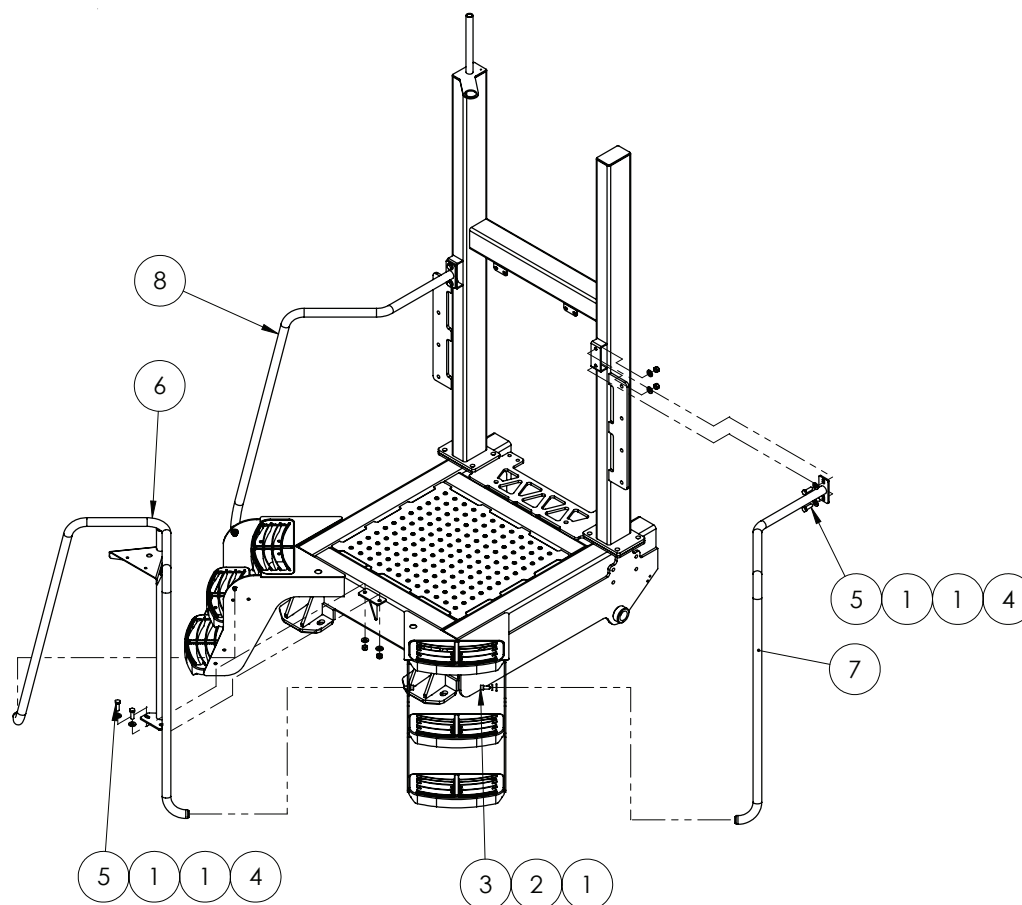
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
19	PCH-019MACH	Pin with flanged end, 39.5 minor OD x 188mm long	2
20	L073A	Washer, suit drawbar pin	2
21	GA5011321	Set Screw M20 x 50 Course ZP GR8.8	2
22	GA4522385	Prairie EF belly tank retaining strap	1
23	GA5048355	Bolt, M20 x 100, ZP GR8.8	4
24	GA5048125	Nut M20 Nyloc Coarse ZP	8
25	GA4656439	Jack, suit Evo 7500 and 8500 and Prairie adv 8000L	1
26	GA5012203	Grease nipple, Short, 1/4" UNF	1
27	GA5054690	Cap M20 hex nut cover	12

Front Steps - 4000-8500L



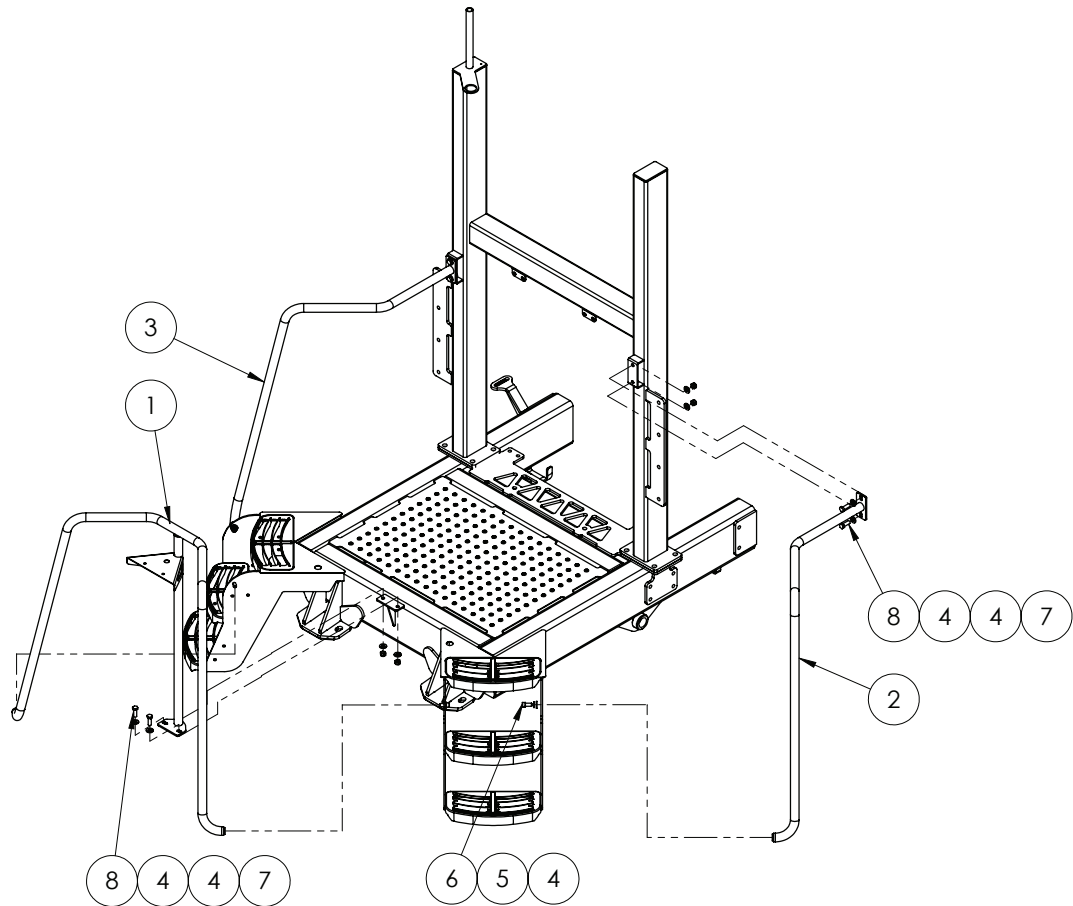
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659690	Lower Steps, Prairie, Eco and Special 2013	2
2	GA4522617	Latch plate, suit Prairie EF, narrow step	2
3	F70684A	Rigid step catch mounting plate	1
4	F70654A	Rigid step catch mounting plate 5mm FMS	1
5	GA5011607	Door holder, Male, Rubber, Black	2
6	GA5008629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

Hand Rails - 4000-6500L



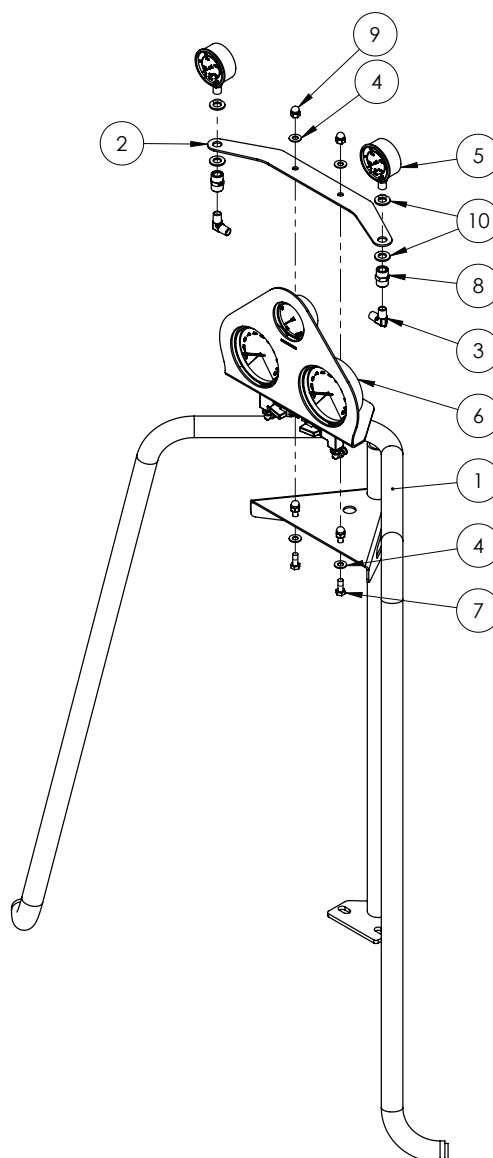
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5000577	Washer 12mm Flat SS HD	16
2	GA5000575	Washer 12mm Spring SS	4
3	GA5000297	SHCS M12 x 25 ZP GR12.9	4
4	GA5012461	Nut M12 Nyloc ZP	6
5	GA5000311	Set screw, M12 x 35, ZP GR 8.8	6
6	GA4659650	Handrail Front	1
7	GA4659660	Handrail LH	1
8	GA4659665	Handrail RH	1

Hand Rails - 7500/8500L



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659655	Handrail Middle	1
2	GA4659660	Handrail LH	1
3	GA4659665	Handrail RH	1
4	GA5000577	Washer 12mm Flat SS HD	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

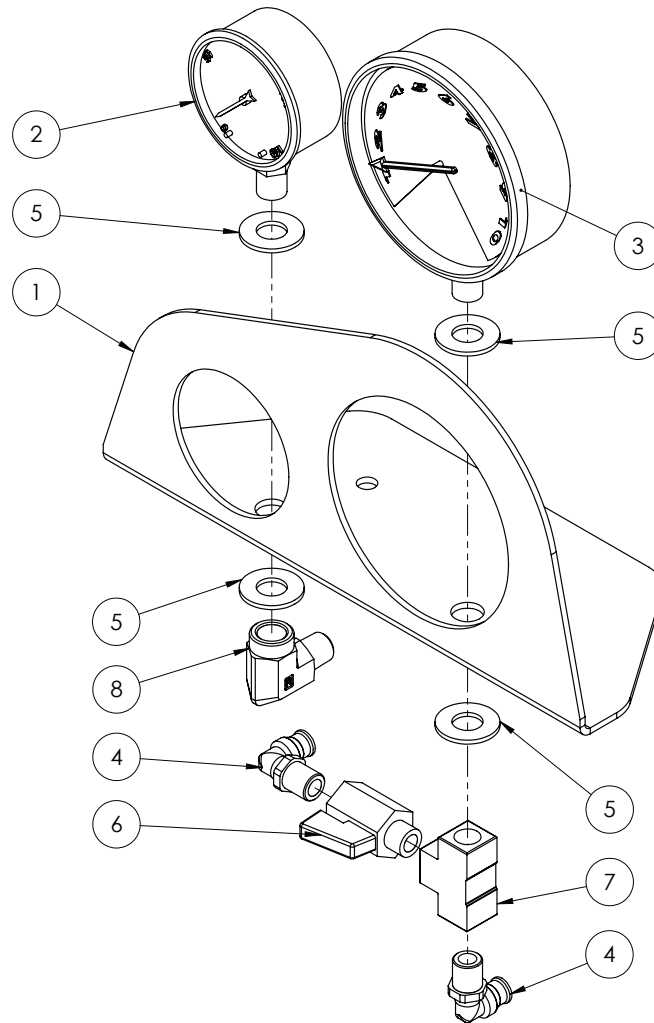
Handrail Gauge Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659650	Handrail Prairie Front	1
2	GA4504995	Plate Gauge Prairie Bi-fold	1
3	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male	2
4	GA5003643	Washer 8mm Flat SS HD	4
5	GA5078076	Gauge, Pressure, 250 bar, 3500 psi	2
6	*	Gauges - Air and Spray Assembly	1
	*	Gauges - Air and Dual Spray Assembly	
7	GA5004085	Bolt M8 x 20 ZP GR8.8	2
8	GA3500211	Hydraulic adapter, Socket, 1/4" female BSP x 1/4" female BSP	2
9	GA5011457	Nut M8 Dome Nut SS	2
10	GA5000577	Washer 12mm Flat SS HD	4

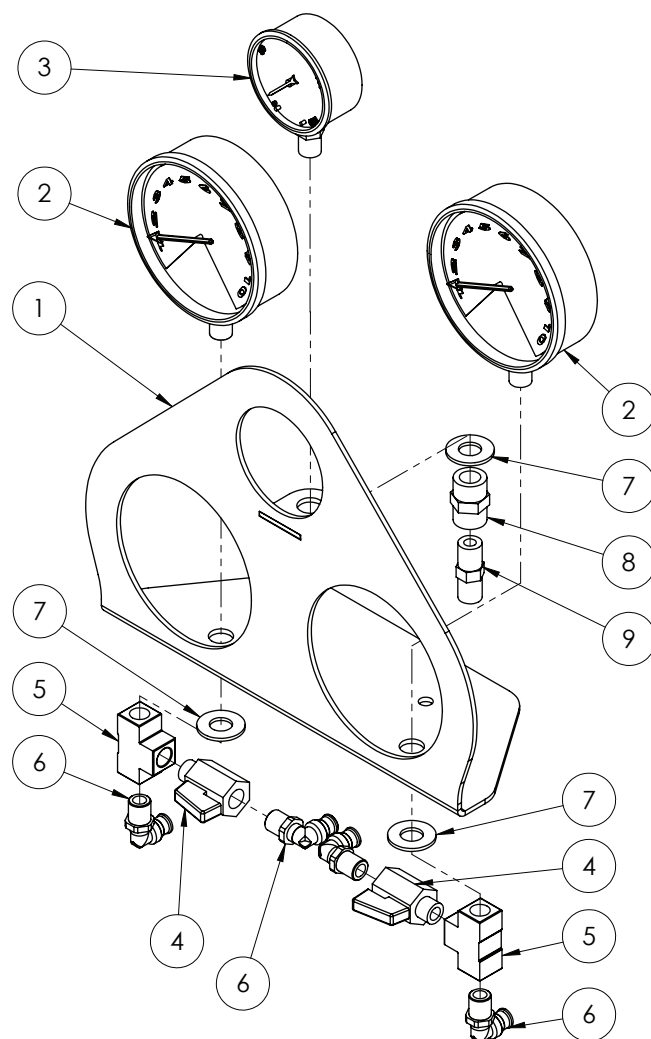
* Sub-assembly on following pages

Gauges - Air & Spray Assembly



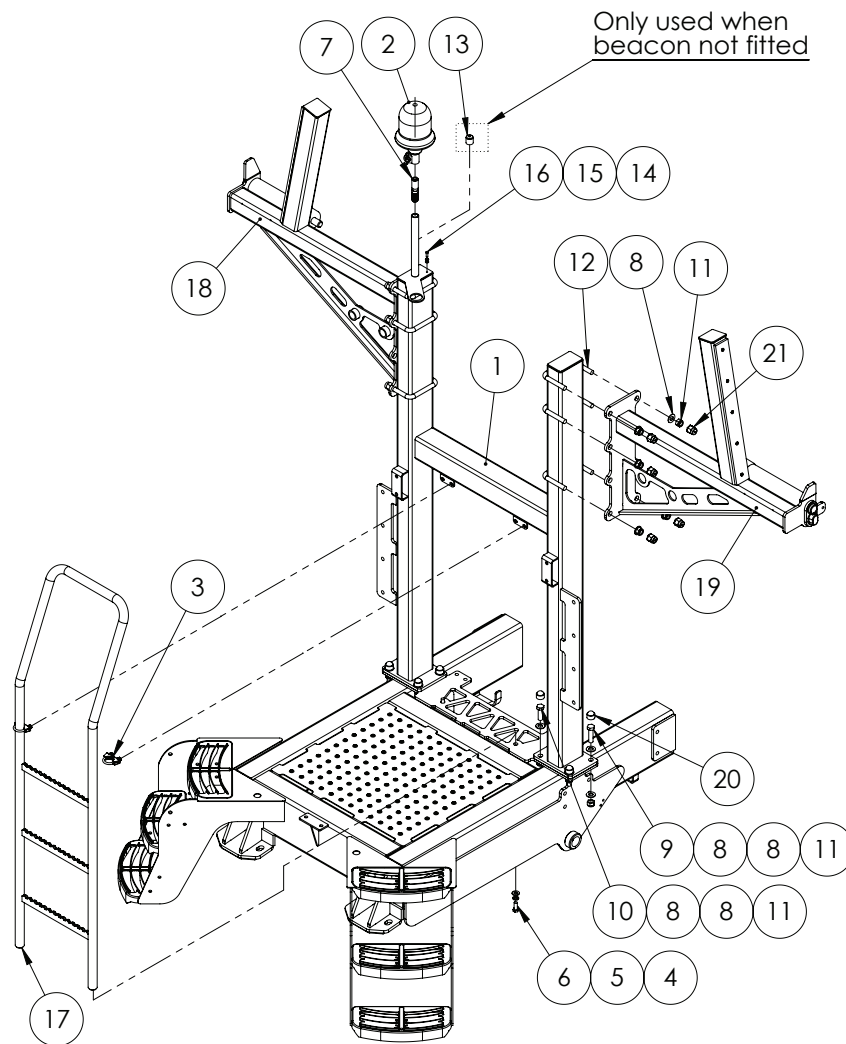
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4505000	Plate Face Gauge Prairie Air and Spray	1
2	GA4948470	Gauge, Pressure, Small face, 160 psi	1
3	GA4948460	Gauge, Pressure, Large Face, 160 psi	1
4	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	2
5	GA5000577	Washer 12mm Flat SS HD	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	1

Gauges - Air & Dual 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	GA5000577	Washer 12mm Flat SS HD	5
8	GA3500211	Hydraulic adapter, Socket, 1/4" female BSP x 1/4" female BSP	1
9	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSP x 1/4" BSP	1

H-Frame - 4000-6500L



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4654181	H-Frame	1
2	GA5048975	Beacon, Rotating, Amber, DIN A pole mount, H1 globe	1
3	GA5075120	Exhaust Clamp 36mm Heavy Duty	2
4	GA5000577	Washer 12mm Flat SS HD	2
5	GA5000575	Washer 12mm Spring SS	2
6	GA5000305	Set Screw M12 x 30 ZP GR8.8	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
11	GA5001029	Nut M16 Nyloc ZP	20
12	GA5011277	U bolt, Square top, M16 x 127mm x 110mm	6
13	GA5052650	Cap Plastic 25.4mm Black	1
14	GA5004437	Washer 6mm Flat SS	1

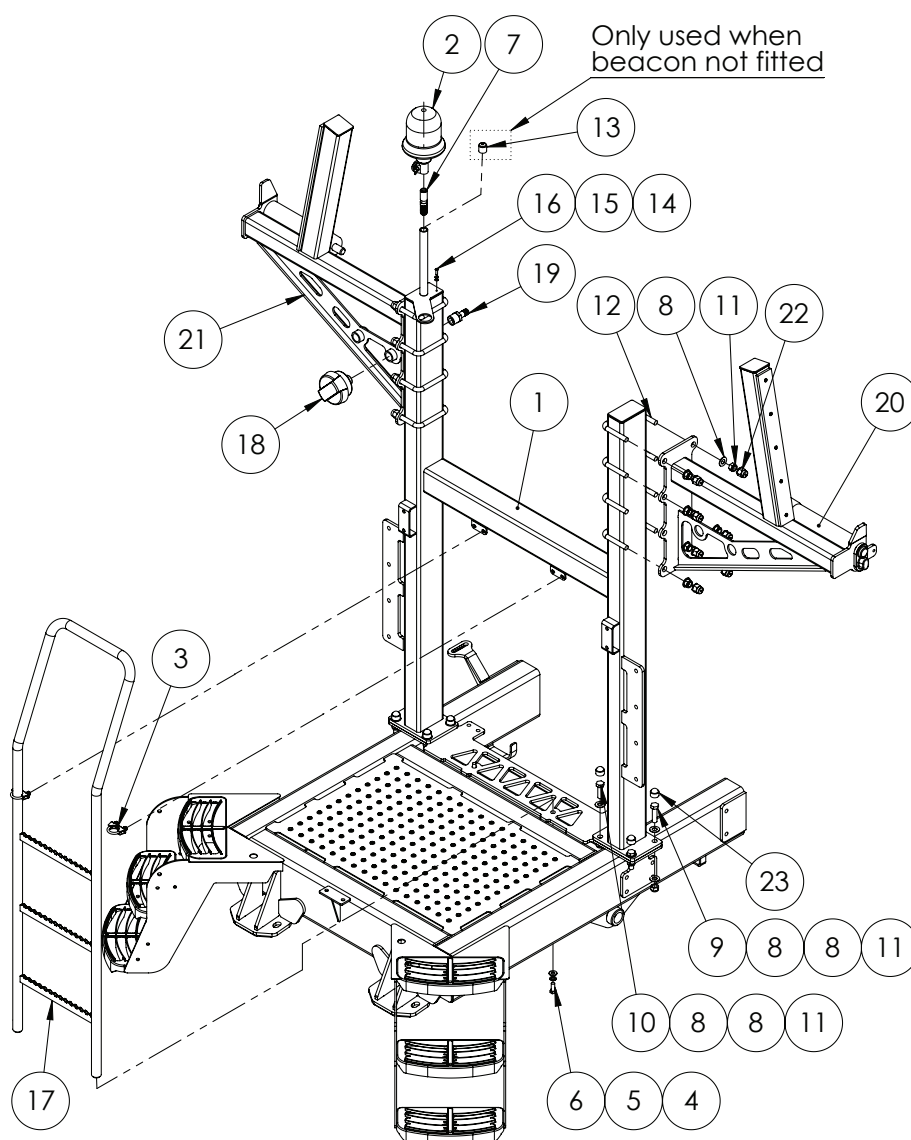
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H-Frame - 4000-6500L

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
15	GA5004447	Washer, 6mm, Spring, SS	1
16	GA5004053	BHCS M6 x 20 SS	1
17	GA4658161	Ladder	1
18	*	Boom Rest - 4000-6500L Right / Boom Rest - 6500L - 30m RH	1
19	*	Boom Rest - 4000-6500L Left / Boom Rest - 6500L - 30m LH	1
20	GA5075080	Hex nut protection cap suit M16, Black	8
21	GA5054685	Cap M16 hex nut cover	12

* Sub-assembly on following pages

H-Frame - 7500/8500L



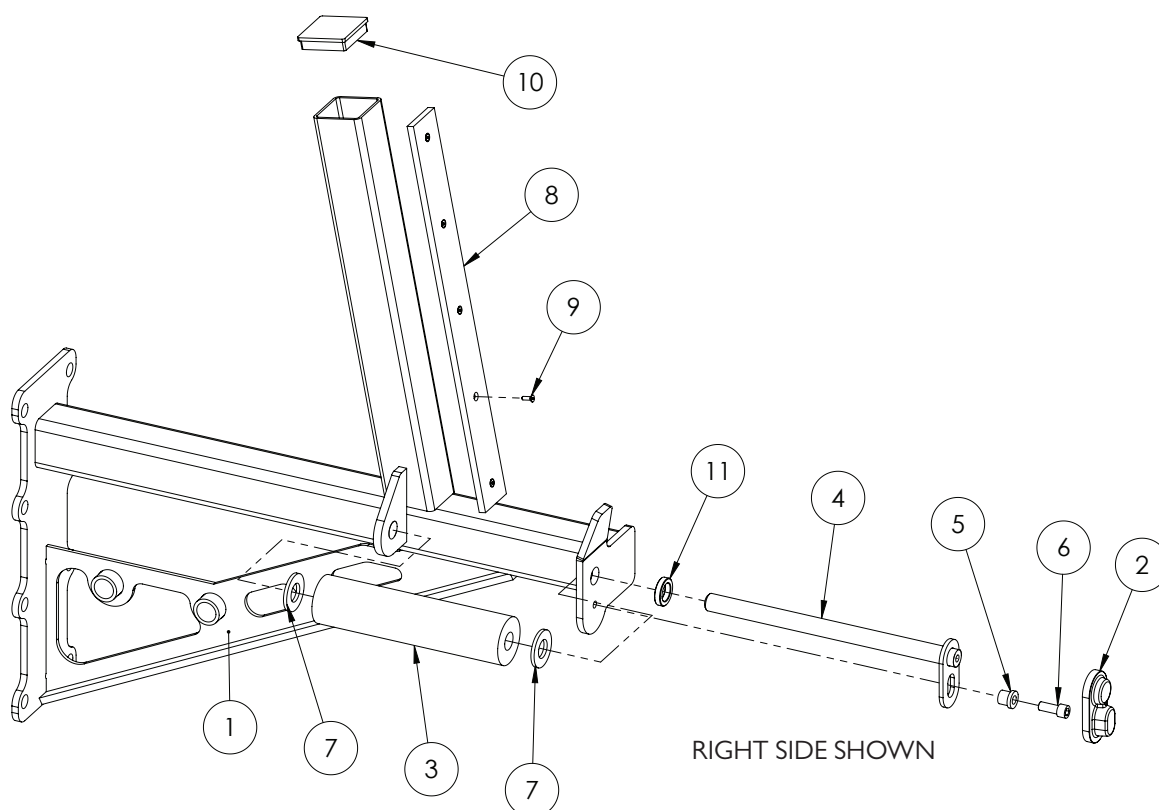
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4654182	H frame suit prairie 7500L	1
2	GA5048975	Beacon, Rotating, Amber, DIN A pole mount, HI globe	1
3	GA5075120	Exhaust Clamp 36mm Heavy Duty	2
4	GA5000577	Washer 12mm Flat SS HD	2
5	GA5000575	Washer 12mm Spring SS	2
6	GA5000305	Set Screw M12 x 30 ZP GR8.8	2
7	GA5020411	Beacon insert, screw in	1
8	GA5001009	Washer 16mm Flat ZP HD	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, Square top, M16 x 127mm x 110mm	6
13	GA5052650	Cap Plastic 25.4mm Black	1

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H-Frame - 7500/8500L

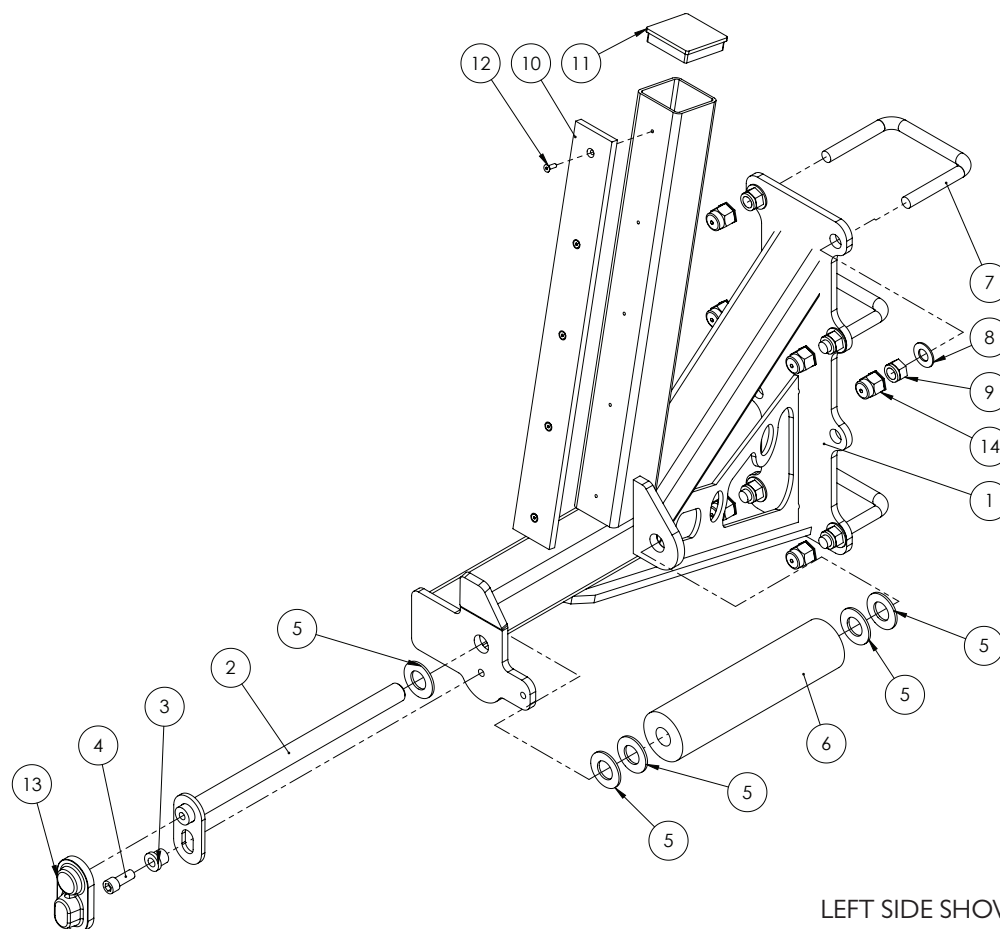
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
14	GA5004437	Washer 6mm Flat SS	1
15	GA5004447	Washer, 6mm, Spring, SS	1
16	GA5004053	BHCS M6 x 20 SS	1
17	GA4658161	Ladder	1
18	GA5005259	Air filter, 1" BSP male thread	1
19	GA5077721	Hose barb, Straight, 1" male thread x 3/4" hose, Banjo	1
20	GA4904700-L	Boom Rest Left 7500L/8500L Prairie Tri-Tech	1
21	GA4904700-R	Boom Rest Right 7500L/8500L Prairie Tri-Tech	1
22	GA5054685	Cap M16 hex nut cover	16
23	GA5075080	Hex nut protection cap suit M16, Black	8

Boom Rest - 4000-6500L



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659670	Boom Rest RH	1
	GA4659675	Boom Rest LH	1
2	GA5067885	Pin cover, Black, clip on, plastic	1
3	GA5070700	Roller Boom Rest Prairie	1
4	GA4658745	Pin suit Boom rest roller	1
5	MACH0152	Bush with shoulder, 12.3 ID x 25 OD x 21mm long	1
6	GA5000307	SHCS M12 x 30 ZP GR12.9	1
7	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	2
8	GA5066630	Wear strip, 65 wide x 590 long x 10mm thick, Polystone 7000SR	1
9	GA5051230	CSCS M5 x 16 Countersink SS	5
10	GA5052345	End cap, Insert, 75 x 75 mm, black, plastic	1
11	GA4572135	Spacer bush, 40 OD x 25.8 ID x 9mm thick, Paralift arm spacer	1

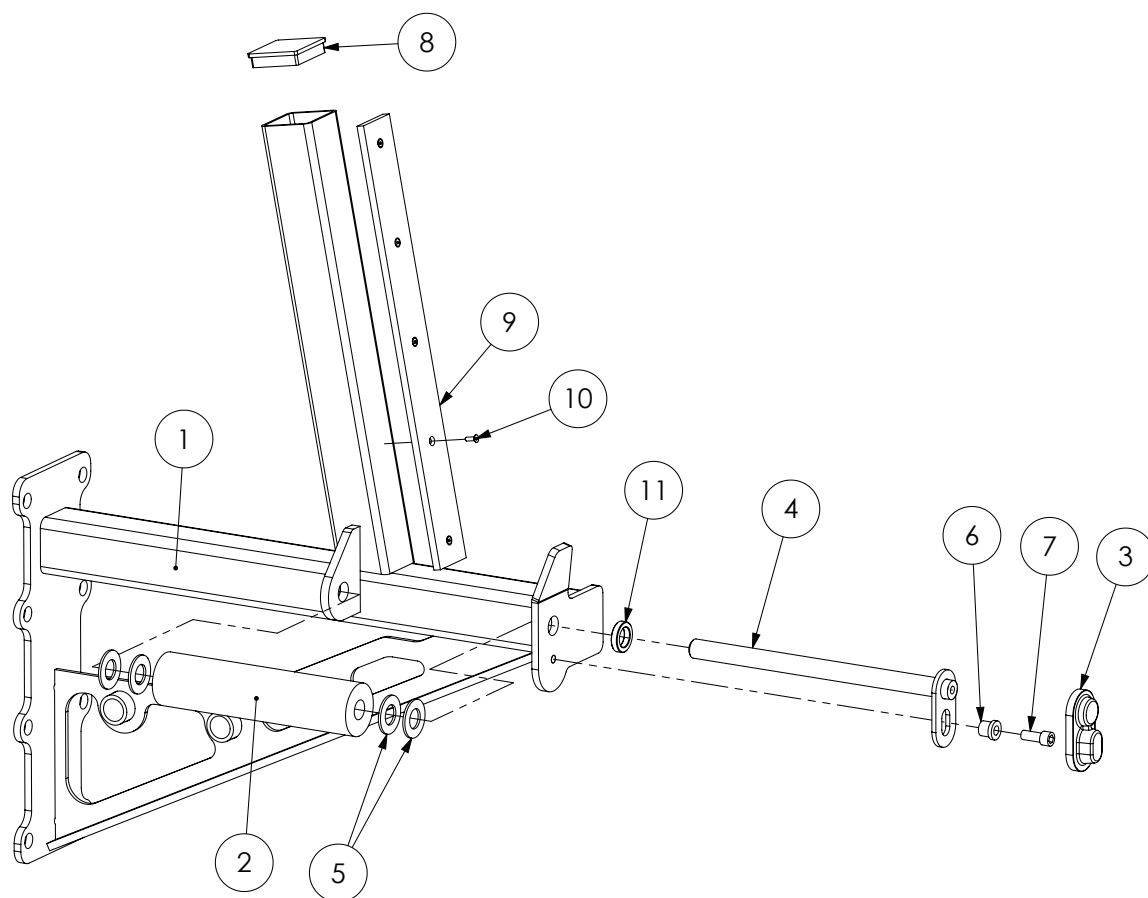
Boom Rest - 6500L - 30m Boom



LEFT SIDE SHOWN

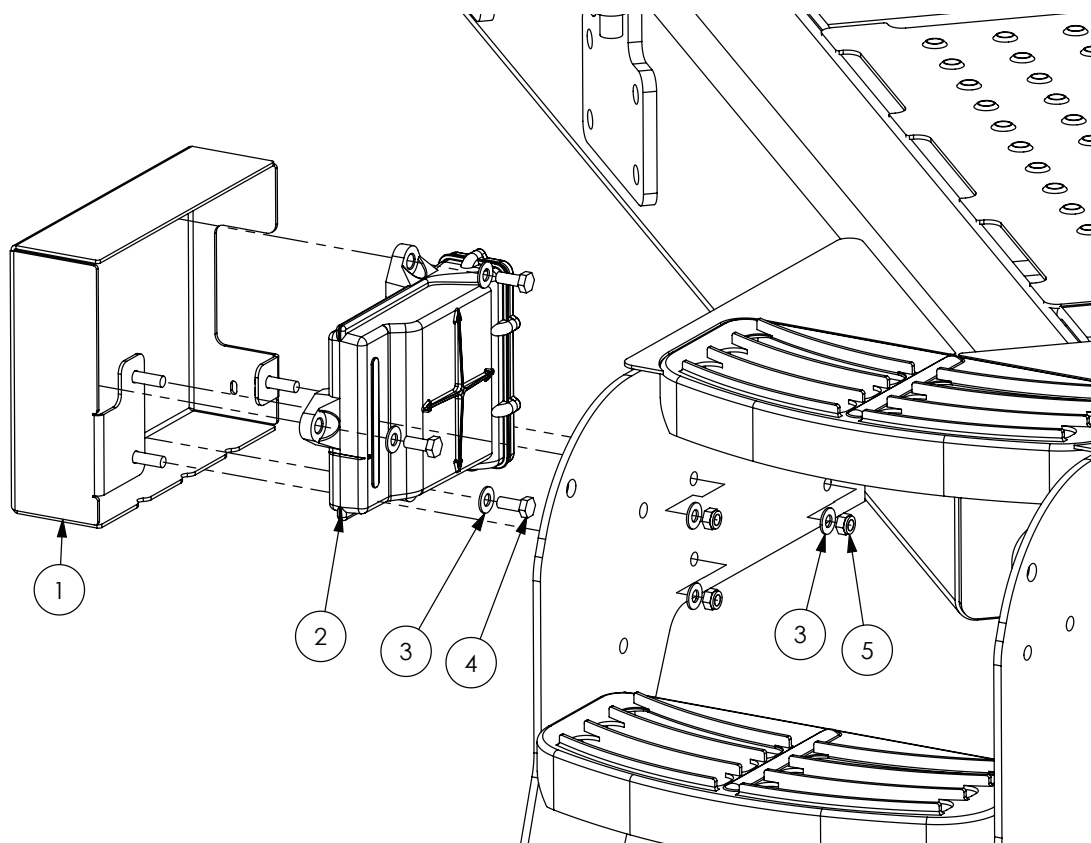
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4906570	Boom Rest Assembly Step Back 250mm suit Prairie LH - Assembly	-
-	GA4906575	Boom Rest Assembly Step Back 250mm suit Prairie RH - Assembly	-
1	GA4659990	Boom Rest Step Back 250mm suit Prairie LH	1
	GA4659995	Boom Rest Step Back 250mm suit Prairie RH	1
2	GA4658745	Pin suit Boom rest roller	1
3	MACH0152	Bush with shoulder, 12.3 ID x 25 OD x 21mm long	1
4	GA5000307	SHCS M12 x 30 ZP GR12.9	1
5	GA5017681	Washer 1" x 2" 7g Flat Thin SS	5
6	GA5070700	Roller Boom Rest Prairie	1
7	GA5011277	U bolt, Square top, M16 x 127mm x 110mm	3
8	GA5001043	Washer 16mm Flat SS HD	6
9	GA5001029	Nut M16 Nyloc ZP	6
10	GA5066630	Wear strip, 65 wide x 590 long x 10mm thick, Polystone 7000SR	1
11	GA5052345	End cap, Insert, 75 x 75 mm, black, plastic	1
12	GA5051230	CSCS M5 x 16 Countersink SS	5
13	GA5067885	Pin cover, Black, clip on, plastic	1
14	GA5054685	Cap M16 hex nut cover	6

Boom Rest - 7500/8500L



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4904700-L	Boom Rest Left 7500L/8500L Prairie Tri-Tech - Assembly	-
-	GA4904700-R	Boom Rest Right 7500L/8500L Prairie Tri-Tech - Assembly	-
1	GA4659671	Boom Rest Prairie RH 7500 8500	1
	GA4659676	Boom Rest Prairie LH 7500 8500	1
2	GA5070700	Roller Boom Rest Prairie	1
3	GA5067885	Pin cover, Black, clip on, plastic	1
4	GA4658745	Pin suit Boom rest roller	1
5	GA5017681	Washer 1" x 2" 7g Flat Thin SS	4
6	MACH0152	Bush with shoulder, 12.3 ID x 25 OD x 21 mm long	1
7	GA5000307	SHCS M12 x 30 ZP GR12.9	1
8	GA5052345	End cap, Insert, 75 x 75 mm, black, plastic	1
9	GA5066630	Wear strip, 65 wide x 590 long x 10mm thick, Polystone 7000SR	1
10	GA5051230	CSCS M5 x 16 Countersink SS	5
11	GA4572135	Spacer bush, 40 OD x 25.8 ID x 9mm thick, Paralift arm spacer	1

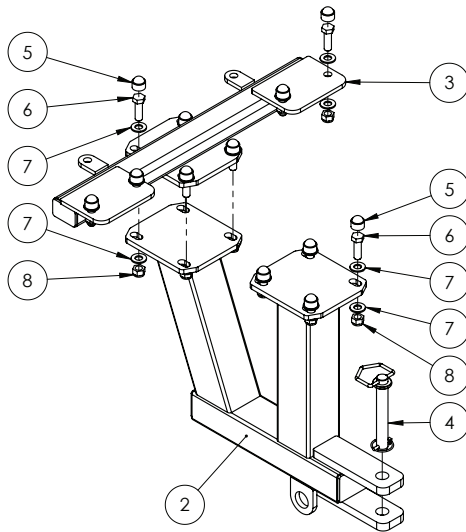
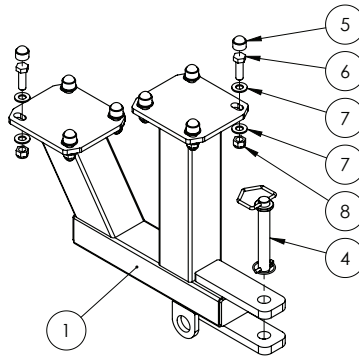
ISOBUS Node Cover



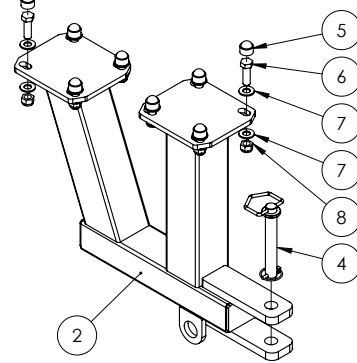
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4660275	Cover, ISO Node Welded Prairie	1
2	GA5071380	Node, ECU ISO Bus CAN, Product controller, Raven	1
3	GA5003643	Washer 8mm Flat SS HD	6
4	GA5004085	Bolt M8 x 20 ZP GR8.8	3
5	GA5052590	Nut M8 Nyloc SS	3

Towbars

7500L & 8500L
AIRBAG AXLE



4000-6500L
RIGID AXLE



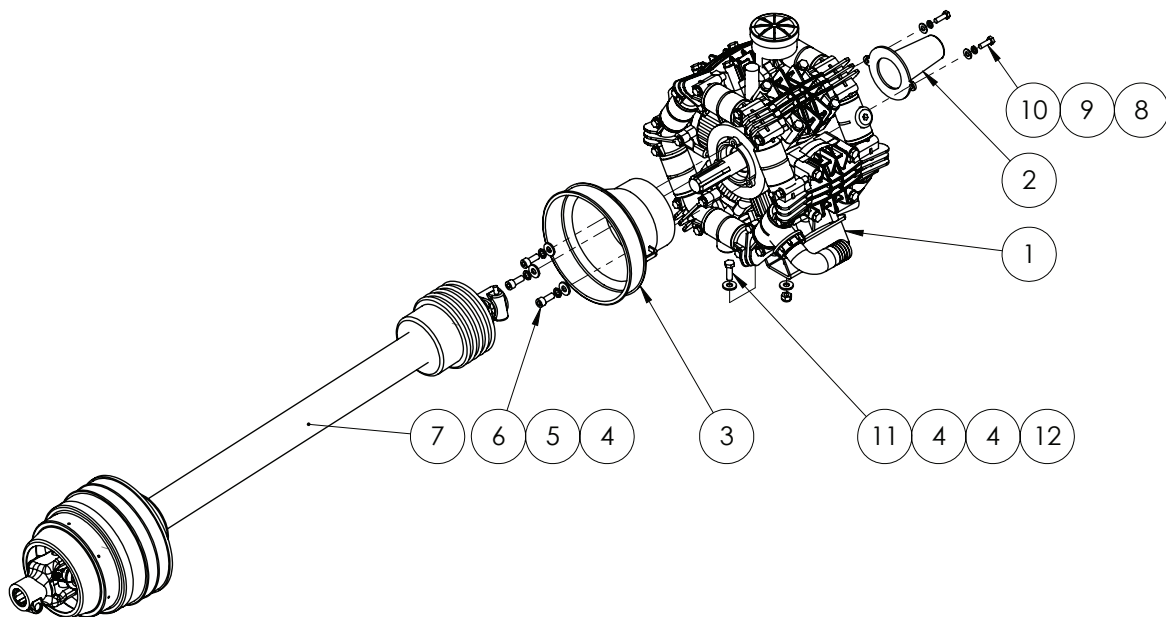
4000-6500L
AIRBAG AXLE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4655471	Towbar, suit 7500L & 8500L, Airbag suspension	1
2	GA4655466	Towbar, suit 4000-6500L	1
3	GA4655467	Towbar Mount, suit 4000-6500L, Rigid axle	1
4	GA5051930	Tow Pin With Chain	1
5	GA5075080	End cap, Plastic, Black, Dome - 7500 & 8500L, Airbag axle	8
		End cap, Plastic, Black, Dome - 4000-6500L, Airbag axle	8
		End cap, Plastic, Black, Dome - 4000-6500L, Rigid axle	12
6	GA5000931	Bolt M16 x 50 GR8.8 ZP - 7500 & 8500L, Airbag axle	8
		Bolt M16 x 50 GR8.8 ZP - 4000-6500L, Airbag axle	8
		Bolt M16 x 50 GR8.8 ZP - 4000-6500L, Rigid axle	12
7	GA5001043	Washer 16mm Flat SS HD - 7500 & 8500L, Airbag axle	16
		Washer 16mm Flat SS HD - 4000-6500L, Airbag axle	16
		Washer 16mm Flat SS HD - 4000-6500L, Rigid axle	24
8	GA5001029	M16 Nyloc Nut - 7500 & 8500L, Airbag axle	8
		M16 Nyloc Nut - 4000-6500L, Airbag axle	8
		M16 Nyloc Nut - 4000-6500L, Rigid axle	12

Chapter 2

PUMPS

Zeta 260 - PTO Drive

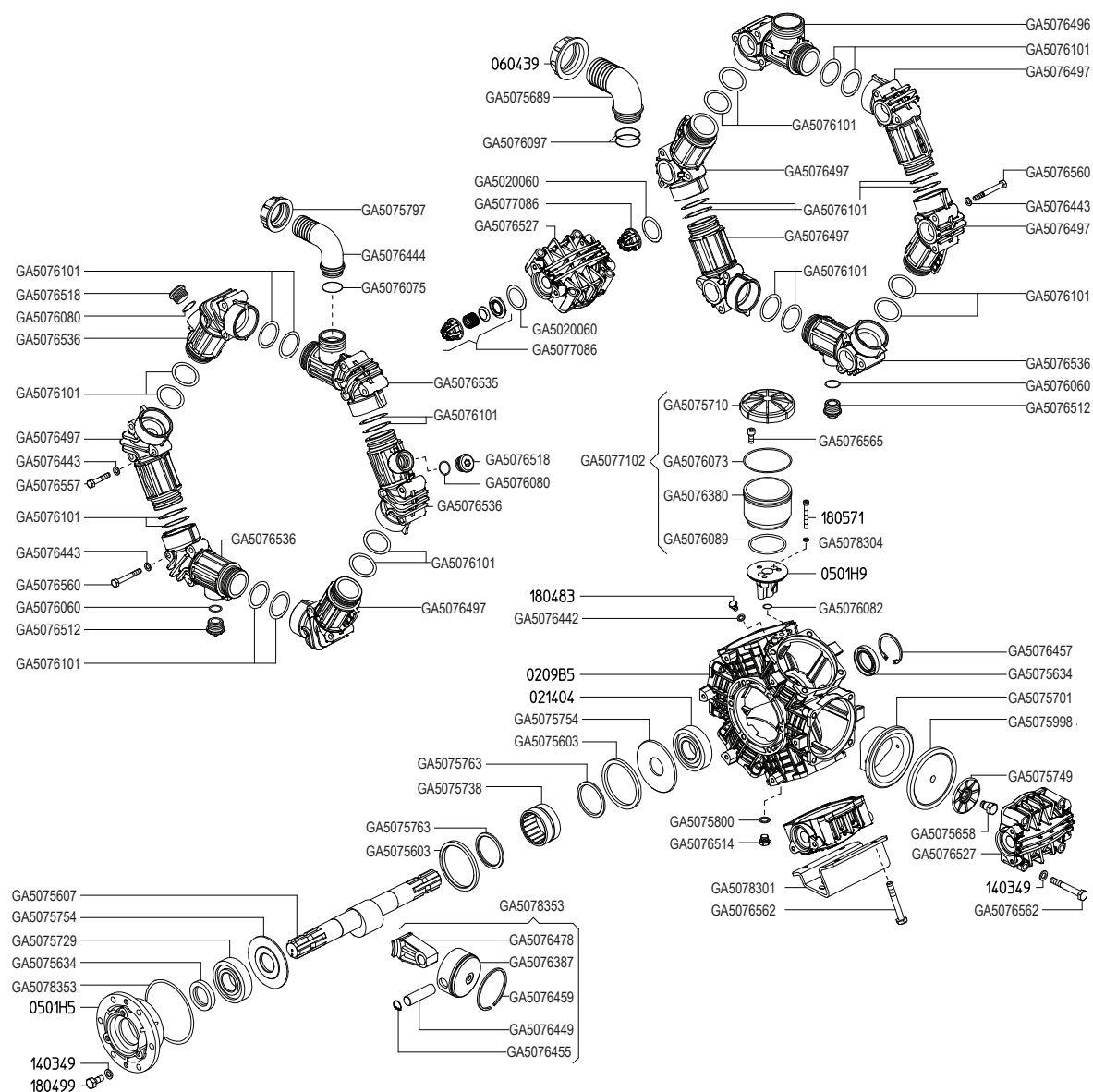


ZETA COVER KIT

PART NUMBER		DESCRIPTION	
GA5023075		Cover kit, Suit Zeta 170 & 260 PTO pump	

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, Black, Front, suit 170 and 260 spray pumps	1
4	GA5000117	Washer 10mm Flat SS HD	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	GA5003643	Washer 8mm Flat SS HD	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

Zeta 260 - PTO Drive Assembly



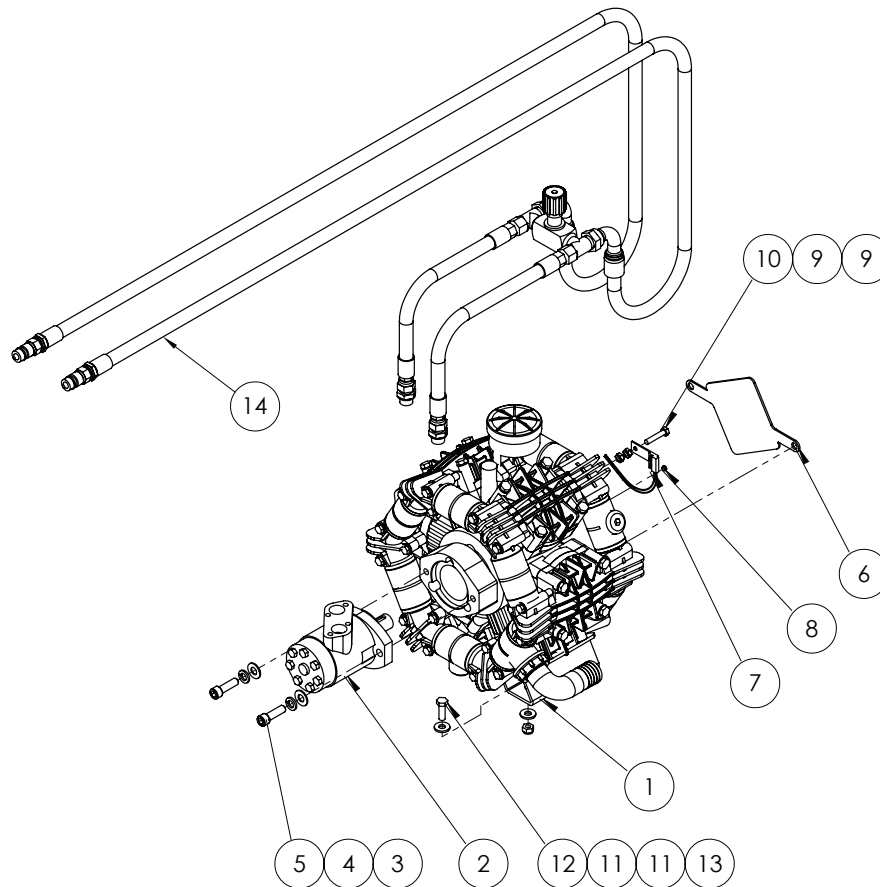
PUMP ASSEMBLY

PART NUMBER	DESCRIPTION	QTY.
GA5054505	Pump, Diaphragm type, Zeta 260, Through shaft PTO drive, Udor	1

PUMP SERVICE PARTS

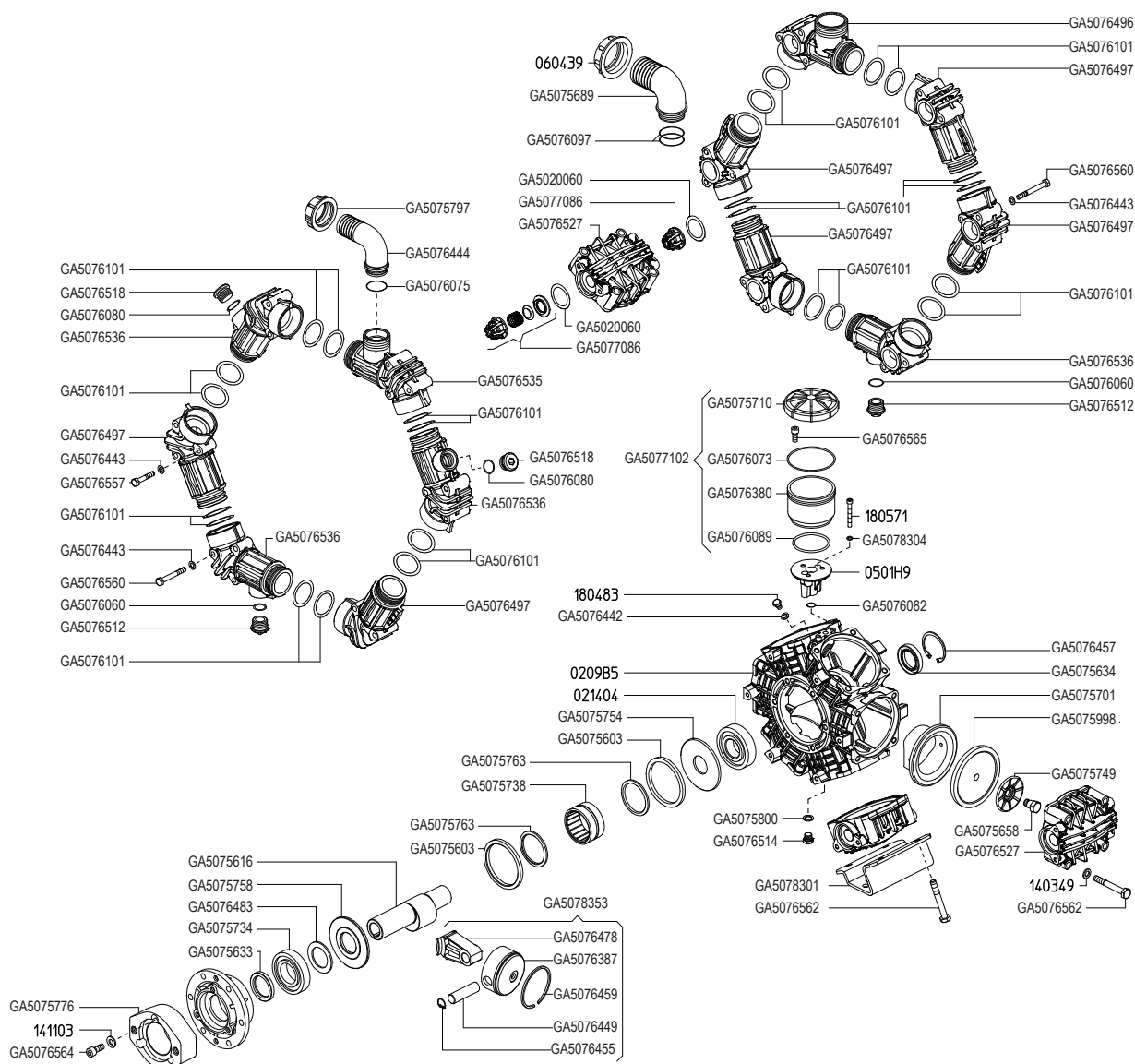
PART NUMBER	DESCRIPTION
GA5077793	Pump Diaphragm Kit suit Zeta 260 and RO250 Udor Pumps
GA5077792	Pump rebuild kit, includes diaphragms, seals & valves, Suits both Zeta 260 and RO250 in PTO and Hyd Drive

Zeta 260 - Hydraulic Drive



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054500	Pump Zeta 260 MI-I	1
2	GA5047515	Motor, hydraulic, 80cc/rev, 25.4mm shaft, Suit spray pump drive	1
3	GA5000577	Washer 12mm Flat SS HD	2
4	GA5000575	Washer 12mm Spring SS	2
5	GA5000321	SHCS M12 x 40 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	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 HD	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

* Sub-assembly on following pages



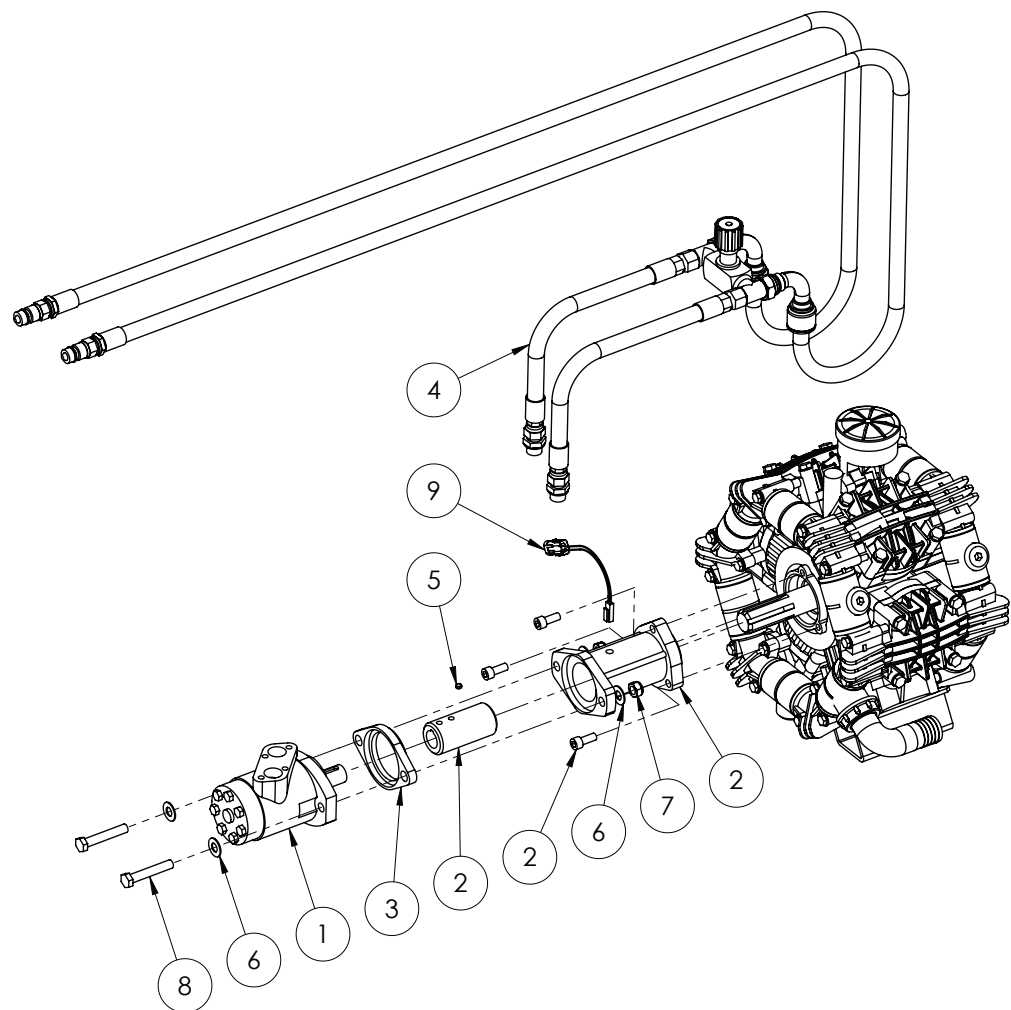
PUMP ASSEMBLY

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

PUMP SERVICE PARTS

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

Hydraulic Drive Conversion Kit



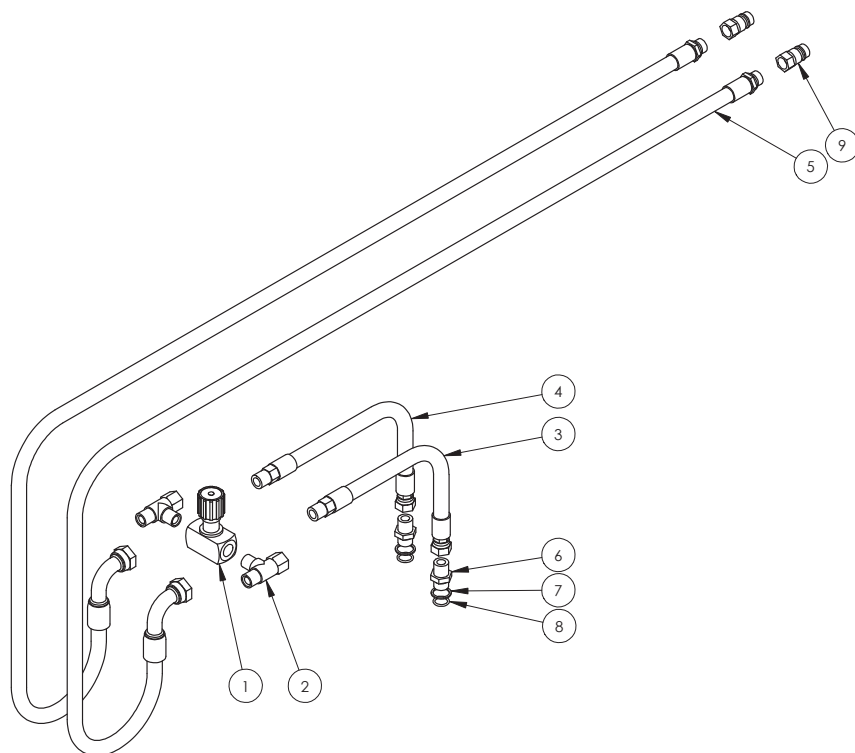
NOTE: Machines fitted with 70 series pump RPM monitors use the parts below:

RPM MONITOR & SPEED SENSOR		
PART NUMBER	DESCRIPTION	QTY.
GA5077195	70 series RPM monitor & speed sensor - Complete	1
GA5076542	Teejet speed sensor	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047515	Motor, hydraulic, 80cc/rev, 25.4mm shaft, Suit spray pump drive	1
2	GA5077663	Adaptor, Hydraulic motor to Udor PTO pump only, kit includes housing, coupler, 2 grub screws, 3 bolts	1
3	GA4552100	Spacer plate, Suit adapter PTO to hydraulic drive, Udor	1
4	GA5067186*	Hose assembly kit hydraulic drive suit hose support	1
5	GA5016169	Magnet, High strength, 12mm diameter x 1.5mm thick	1
6	GA5000577	Washer 12mm Flat SS HD	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	1

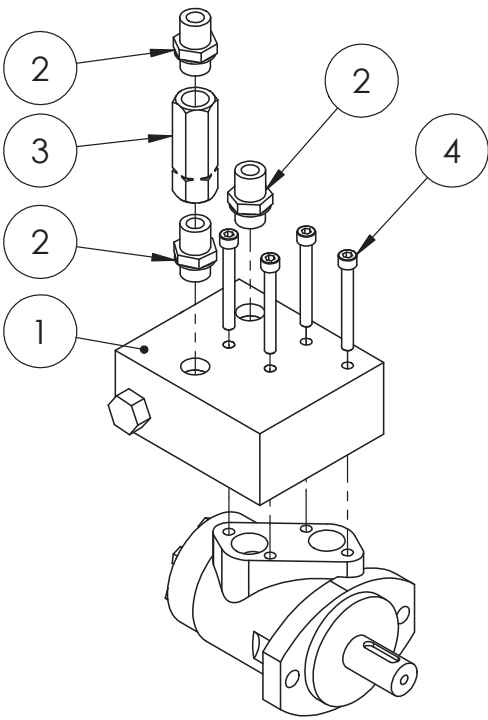
* Sub-assembly on following pages

Hydraulic Hose Kit



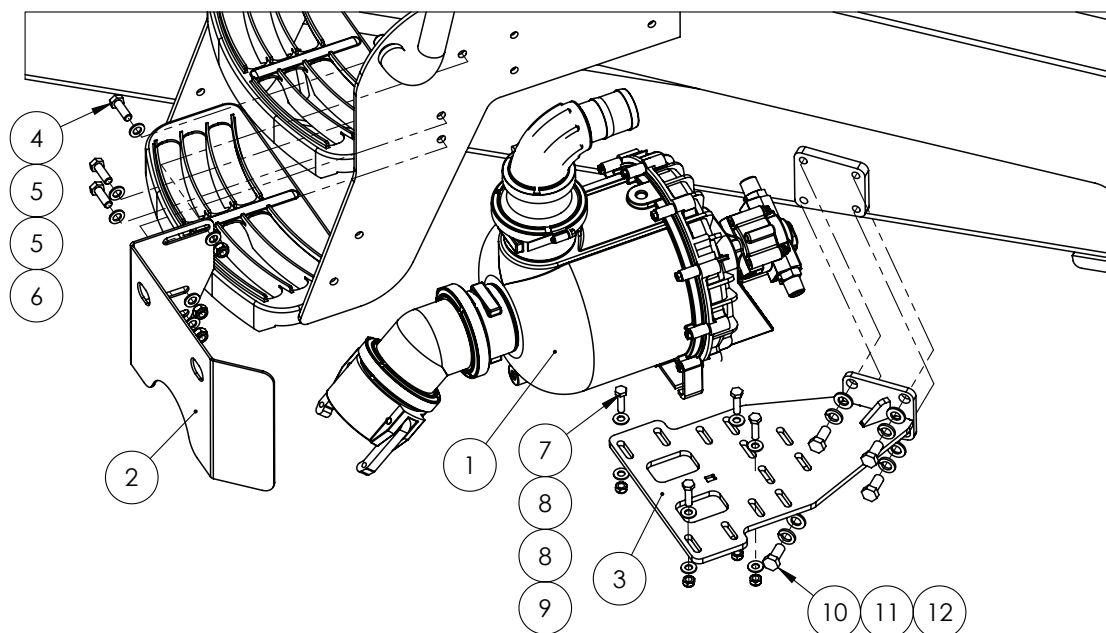
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5067186	Hose assembly kit hydraulic drive suit hose support	-
-	GA5052365	Cover, Green plastic, Suit GA5078000	2
1	GA5018221	Valve check needle throttle 1/2"	1
2	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	2
3	GA4922110	Hydraulic hose, suit Hydraulic product pump on Prairie, Motor to Needle valve	1
4	GA4922115	Hydraulic hose, suit Hydraulic product pump on Prairie, Motor to Needle valve	1
5	GA4922105	Hydraulic hose, suit Hydraulic product pump on Prairie, Tractor to Needle valve	2
6	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	2
7	GA5076891	Ring, Retaining BSPP 1/2"	2
8	GA5078121	O-Ring BSPP 1/2"	2
9	GA5078000	Quick connect fitting, 1/2" male tip x 1/2" female thread	2

Hydraulic Pressure Flow Compensator



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5049425	Manual flow control	1
2	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	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

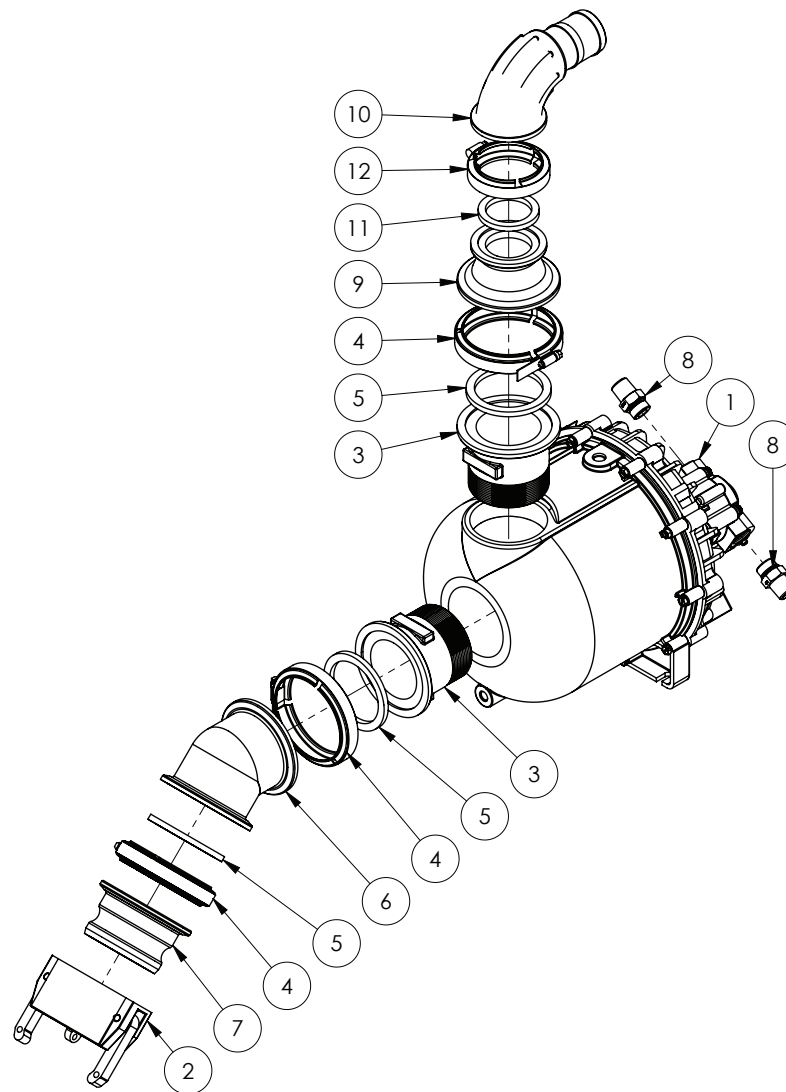
Hydraulic Fill Pump Mounting



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	*	Hydraulic Fill Pump Assembly	1
2	GA4523865	Mount, Tap, Fill pump	1
3	GA4658170	Mounting bracket, Hydraulic fill pump	1
4	GA5065455	Bolt M10 x 30 GR8.8 ZP	3
5	GA5000117	Washer 10mm Flat SS HD	6
6	GA5000141	Nut M10 Nyloc ZP	3
7	GA5011475	Bolt M8 x 30 GR8.8 ZP	4
8	GA5003643	Washer 8mm Flat ZP HD	8
9	GA5004917	Nut M8 Nyloc ZP	4
10	GA5011229	Bolt M12 x 25 GR8.8 ZP	4
11	GA5000575	Washer 12mm Spring SS	4
12	GA5000577	Washer 12mm Flat SS HD	4

* Sub-assembly on following pages

Hydraulic Fill Pump Fittings Assembly

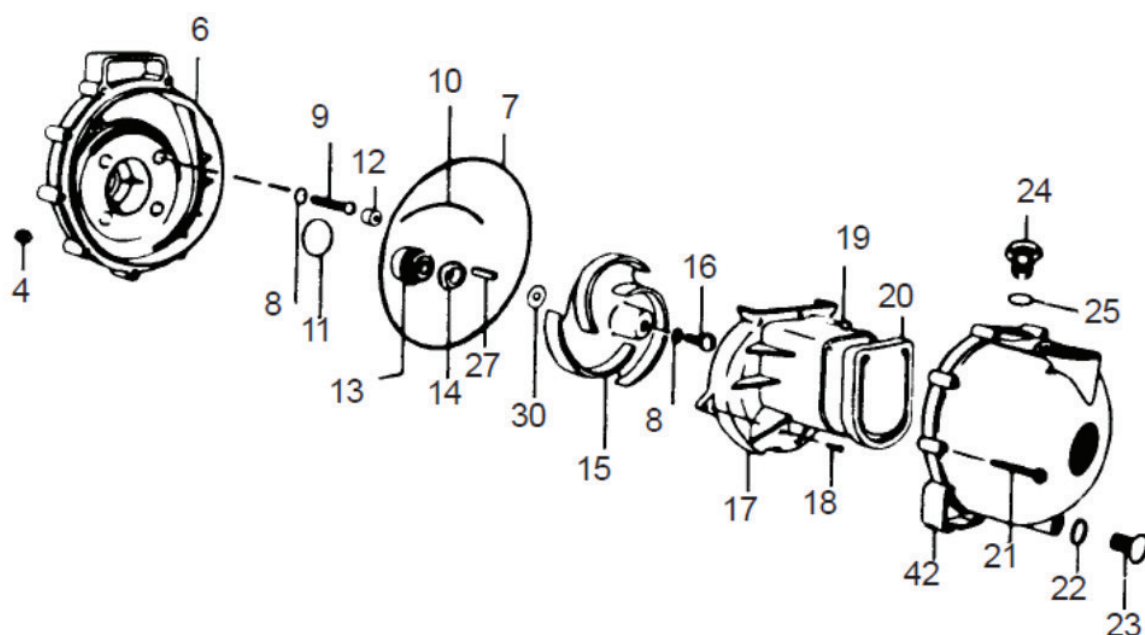


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5072085*	Pump, Poly 3" BSP, transfer, Viton, Hydraulic drive	1
2	GA5076719	Cam lever, Female cap, 3", Banjo	1
3	GA5077876	Plumbing Fitting, 3" Flange to 3" BSP Thread, Banjo	2
4	FC300	Hose clamp, Worm screw, 3"	3
5	GA5076723	Seal, EPDM, Suit 3" flange fitting, Banjo	3
6	GA2000070	Plumbing Fitting, Elbow, 45 Degree, 3" Flange both ends, Banjo	1
7	GA5077873	3" Male Adapter x 3" Manifold	1
8	GA3500364	Hydraulic adaptor, Nipple, 1/2" BSPT male x 7/8" UN male O-ring	2
9	GA5077872	Reducing flange, 2" flange x 3" flange, Banjo	1
10	GA2000071	Plumbing Fitting, Sweep Elbow, 90 Degree, 2" Flange to 2" Barb	1
11	GA5076615	Seal, EPDM, Suit 2" flange fitting, Banjo	1
12	FC220	2" Full Port Worm Screw Clamp	1

* Sub-assembly on following pages

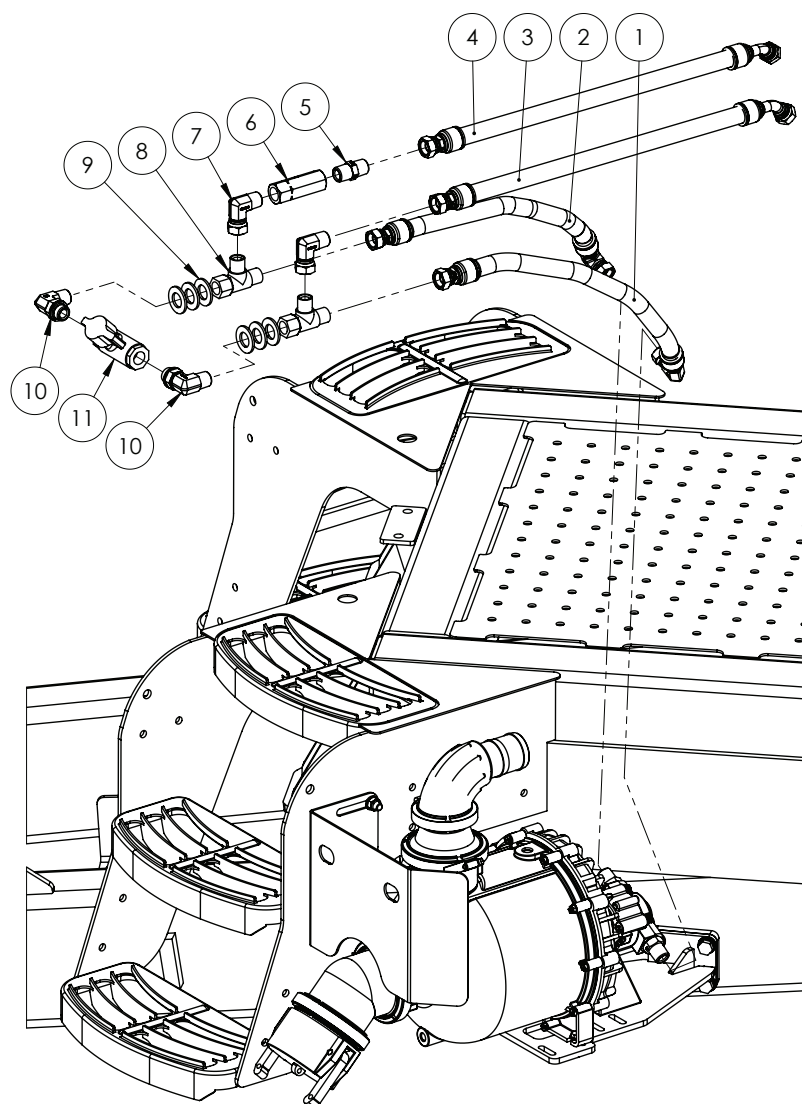
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Hydraulic Fill Pump Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5072605	Shaft seals, Carbon ceramic, Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive	1
-	GA5072600	Seal conversion kit, Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive	1
-	GA5072075	Seal kit, Pump, Poly 3" BSP, Service Kit, No Mech Seal	1
6	GA5072631	Pump casing, Rear, Poly 3" BSP, Transfer, Viton, Hydraulic drive, GA5072085	1
15	GA5072610	Impeller, High volume, Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive	1
23	GA5072620	Drain plug, Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive	1
24	GA5072625	Filler plug, Pump, Poly 3" BSP, Transfer, Viton, Hydraulic drive	1
42	GA5072630	Pump casing, Front, Poly 3" BSP, Transfer, Viton, Hydraulic drive	1

Hydraulic Fill Pump Hoses & Fittings

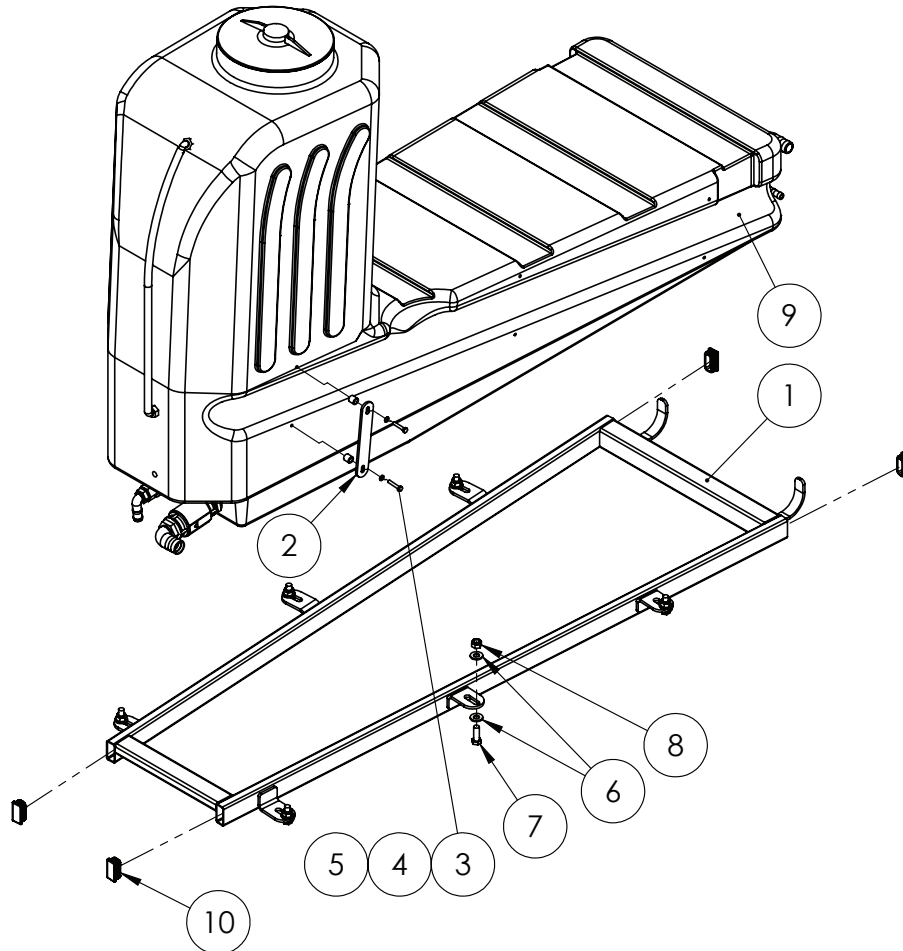


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5067911	Hydraulic Hose Assembly, Pump to Tap	1
2	GA5067924	Hose assembly, Fill pump TO Tap 360mm	1
3	GA5067910	Hydraulic Hose Assembly, Spool to pump A (T)	1
4	GA5067903	Hydraulic Hose Assembly, Spool to Pump	1
5	GA3500223	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPT male	1
6	GA5007060	Valve, Check, Hydraulic, 1/2 BSPP female inlet & outlet, 45L/min flow, Maximum 320bar	1
7	GA3500333	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP female swivel	2
8	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	2
9	GA5001741	Washer 20mm Flat SS HD	14
10	GA3500323	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/2" BSPP male O-ring	2
11	GA5000835	Valve, Ball, Hydraulic, 1/2" female thread inlet / outlet	1

Chapter 3

FLUSH TANK

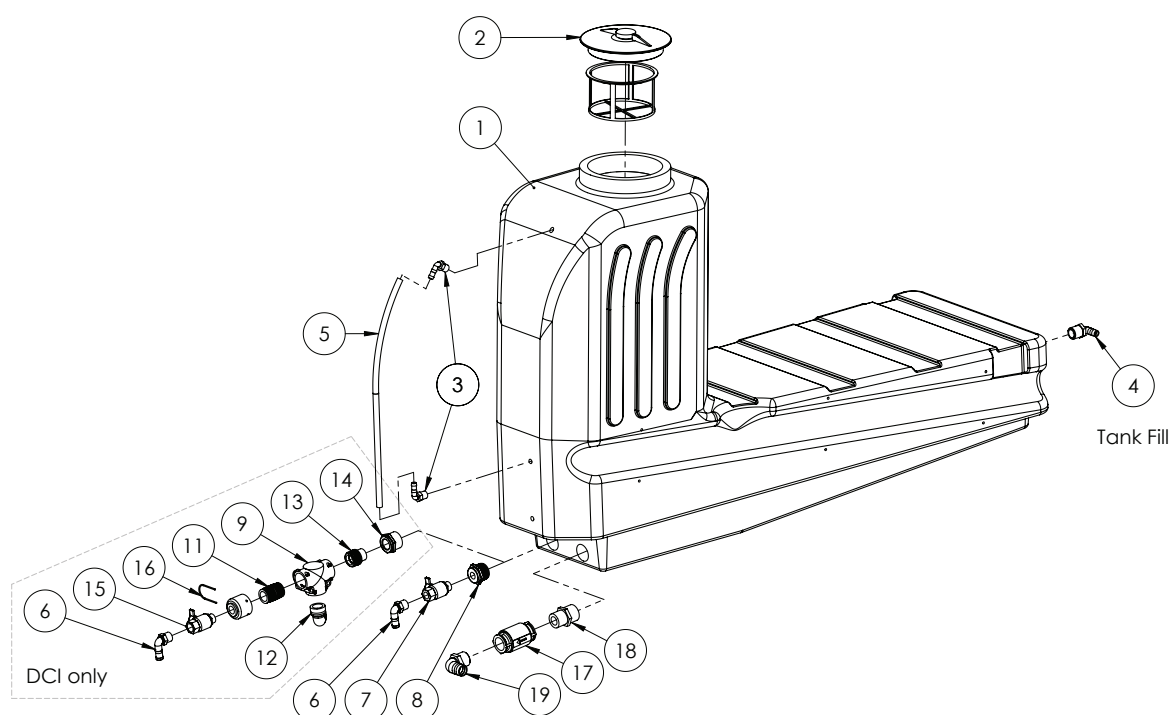
400L Flush Tank Frame



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	GA5000577	Washer 12mm Flat SS HD	12
7	GA5000311	Set screw, M12 x 35, ZP GR 8.8	6
8	GA5012461	Nut M12 Nyloc ZP	6
9	*	400L Flush Tank Assembly	1
10	GA5003733	Tube Insert 50 x 25mm rectangular 0.83	4

* Sub-assembly on following pages

400L Flush Tank Assembly

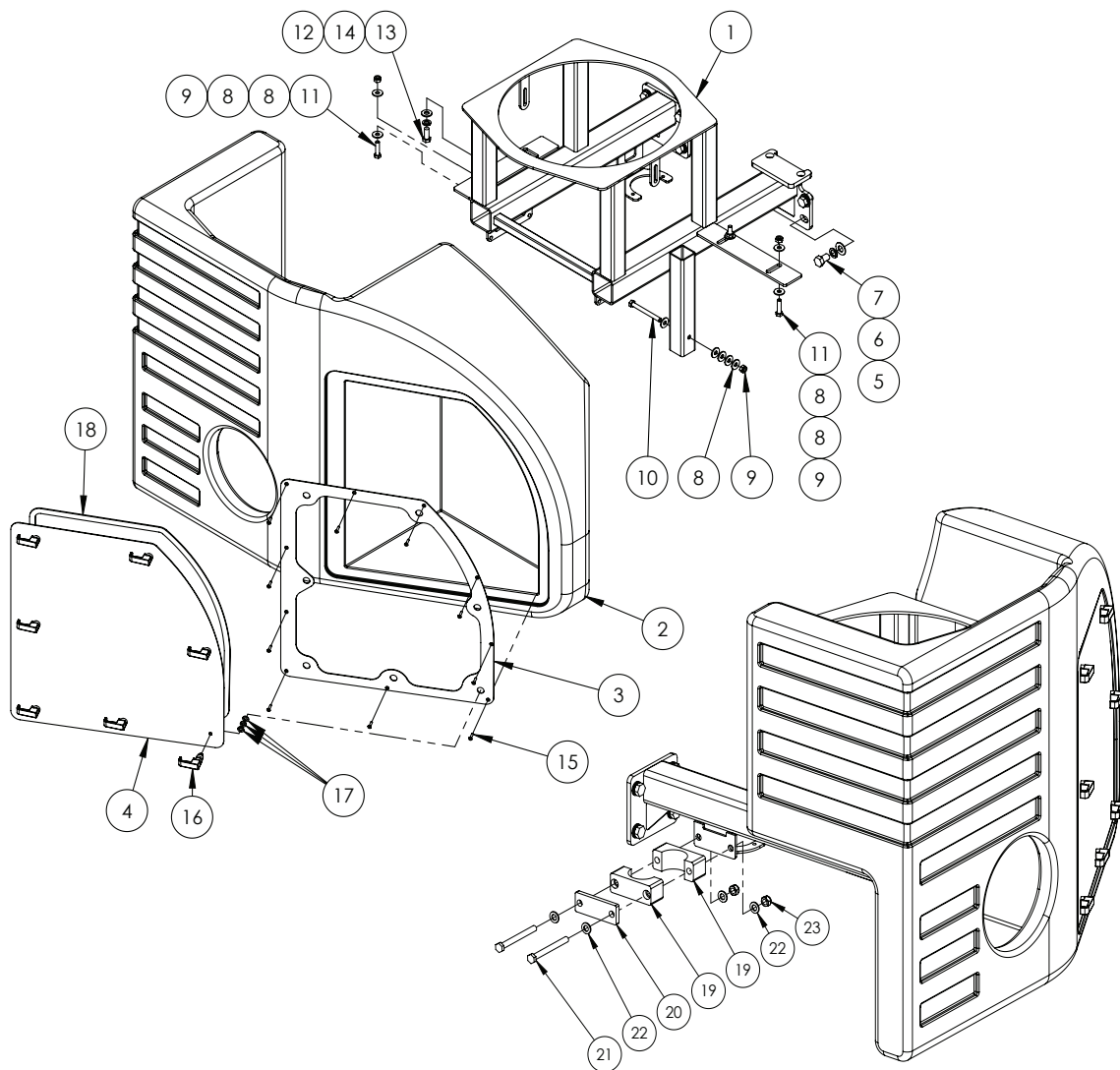


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018367	Tank 400L Underbelly, Bare	1
2	GA5076882	Lid, Tank, 255 mm diameter, With breather	1
3	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	2
4	GA5077719	Hose barb, Elbow, 90 degree, 1" male thread x 3/4" hose	1
5	GA2000209	12mm sight tube - Cut 660mm	1
6	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	2
7	GA5018315	Valve, Ball, 20mm, 3/4" male, female, Black Butterfly handle, Brass	1
8	GA5078017	Reducing bush, 1 1/2" male thread x 3/4" female thread	1
9	GA5065555	Tee, AS40 female, no M8 inserts	1
10	GA4582410	Cap Altek AS40 with 3/4" BSPP Female Thread	1
11	GA5065735	Plug in hose tail AS40/AS40	1
12	GA5065620	Plug in hose tail AS40/33/90 degree	1
13	GA5065600	Plumbing adaptor, AS40 male x 1" male thread	1
14	GA5078018	Reducing bush, 1 1/2" male thread x 1" female thread	1
15	GA5018315	Valve, Ball, 20mm, 3/4" male, female, Black Butterfly handle, Brass	1
16	GA5065690	Safety pin AS40	3
17	GA5017361	Valve non-return 1 1/4"	1
18	GA5078093	Reducing nipple, 1 1/2" male thread x 1 1/4" male thread	1
19	GA5077730	Hose barb, Elbow, 90 degree, 1 1/4" male thread x 1 1/4" hose	1

Chapter 4

RIGHT HAND POD

RH POD - Mounting



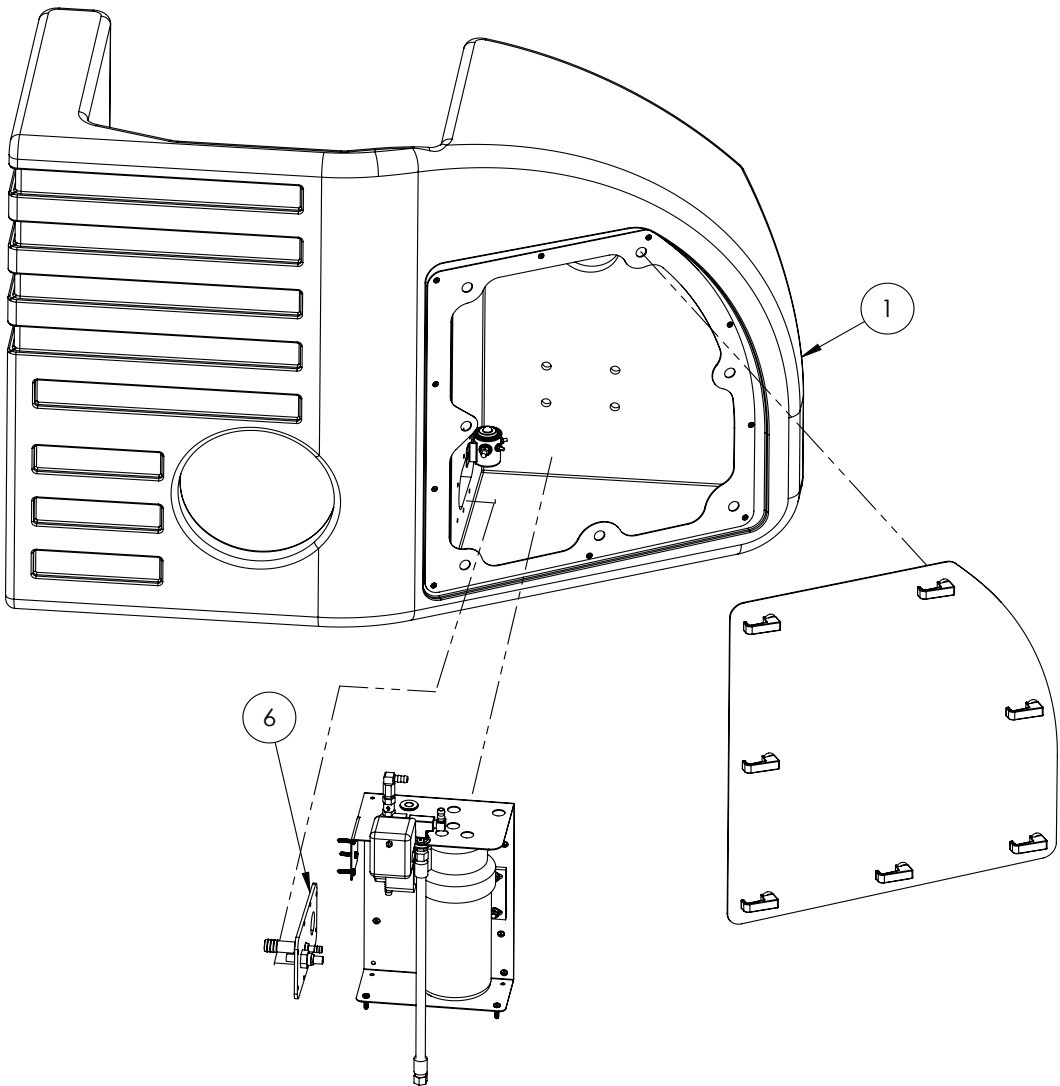
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4654410	Pod Frame Advance RH	1
2	GA5018375	Righthand Side Module	1
3	GA4522585	RHS pod cover door inner	1
4	GA4522580	RHS pod cover door outer	1
5	GA5001043	Washer 16mm Flat SS HD	8

* Sub-assembly on following pages

RH POD - Mounting

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
6	GA5000961	Washer 16mm Spring ZP	8
7	GA5000903	Bolt M16 x 25 GR8.8 ZP	8
8	GA5002627	Washer 3/8 ID x 1 1/8 OD High Tensile	11
9	GA5000141	Nut M10 Nyloc ZP	4
10	GA5006091	Bolt M10 x 100 GR8.8 ZP	1
11	GA5006071	Bolt M10 x 40 GR10.9 ZP	3
12	GA5000577	Washer 12mm Flat SS HD	1
13	GA5000307	SHCS M12 x 30 GR12.9 ZP	1
14	GA5000575	Washer 12mm Spring SS	1
15	GA5014819	Screw Self Tapper 10g x 1 SS Countersunk	10
16	GA5066600	Rawl action latch, quick access fastener, Swell, Black	7
17	GA5003643	Washer 8mm Flat SS HD	21
18	GA5016473	Tape PM foam 6.4 x 18 L/Density - Cut 2200 mm long	1
19	GA5070355	Single Clamp Jaw 65mm diameter 262619	2
20	GA5070360	Single Clamp Top Plate 261840	1
21	GA5000265	Bolt M12 x 120 GR8.8 ZP	2
22	GA5000577	Washer 12mm Flat SS HD	4
23	GA5012461	Nut M12 Nyloc ZP	2

RH POD - Internal Configurations



BOOM RECIRC

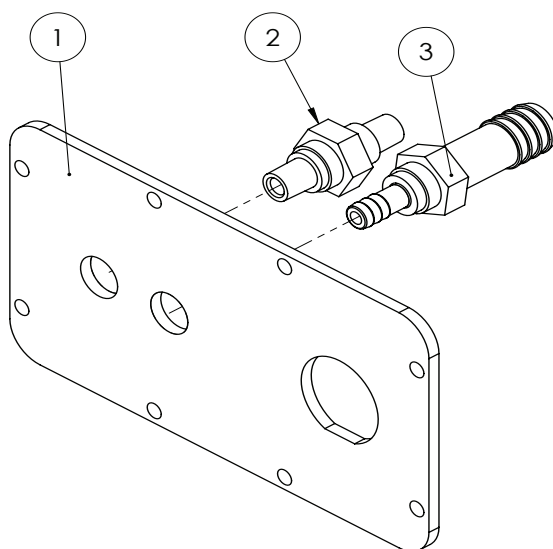
RH POD - Internal Configurations

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018375	Righthand Side Module	1
2	GA5004437	Washer 6mm Flat SS	16
3	GA5048115	Nut M6 Nyloc ZP	8
4	GA5004073	Bolt M6 x 25 GR8.8 ZP	8
	*	RapidFire & Airbag Compressor Assembly	1
6	*	RH POD Manifold, Assembly	1

* Sub-assembly on following pages

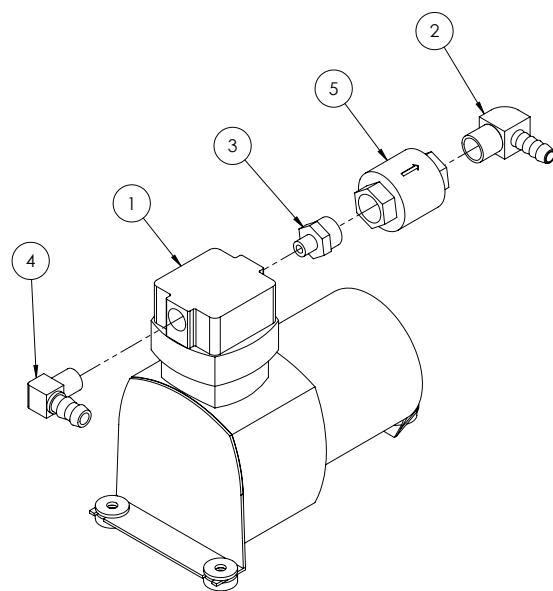
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RH POD - Manifold



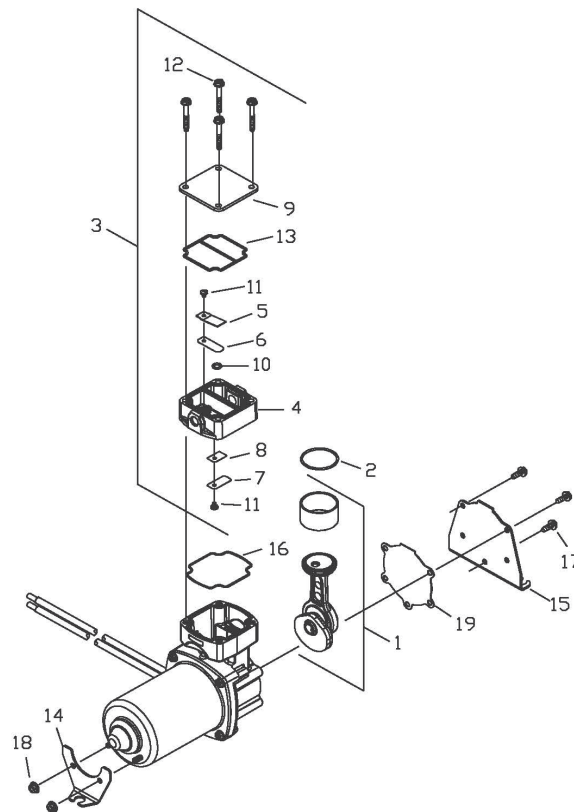
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4524715	Plumbing Manifold Plate EVO air bag only	1
2	GA4582465	1/4" BSPT Nipple S/S suit RH Pod Manifold	1
3	MACH0129	3/4 barb to 3/8	1

Airbag Compressor Fittings



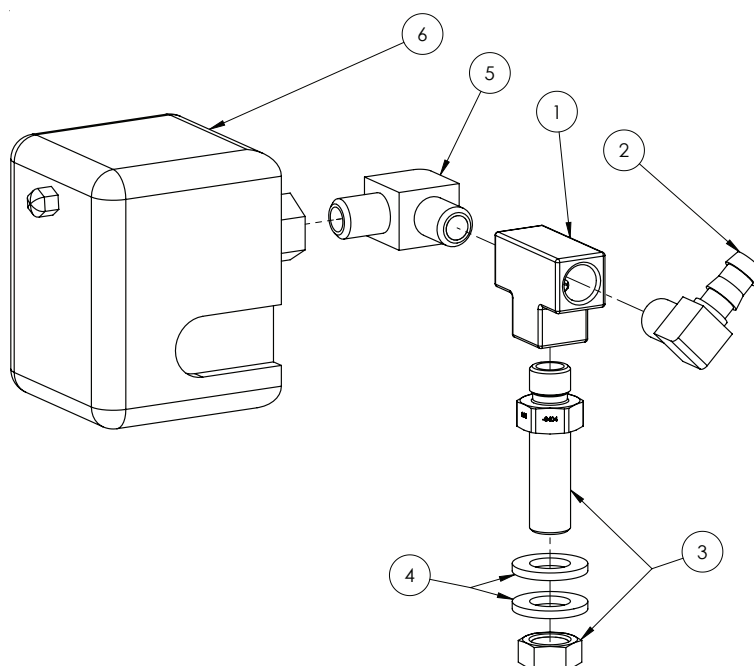
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018809	Air compressor, Suit airbag, 12V, 30.6L/min, 150psi maximum, note: spare parts use GA5018809-SK	1
2	GA5070730	Elbow Brass 3/8 x 3/8	1
3	GA5020690	Reducing nipple, 1/8 male thread x 3/8 male thread, Brass	1
4	GA5049290	Elbow 1/4 male thread x 3/8 barb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

Airbag Compressor Assembly



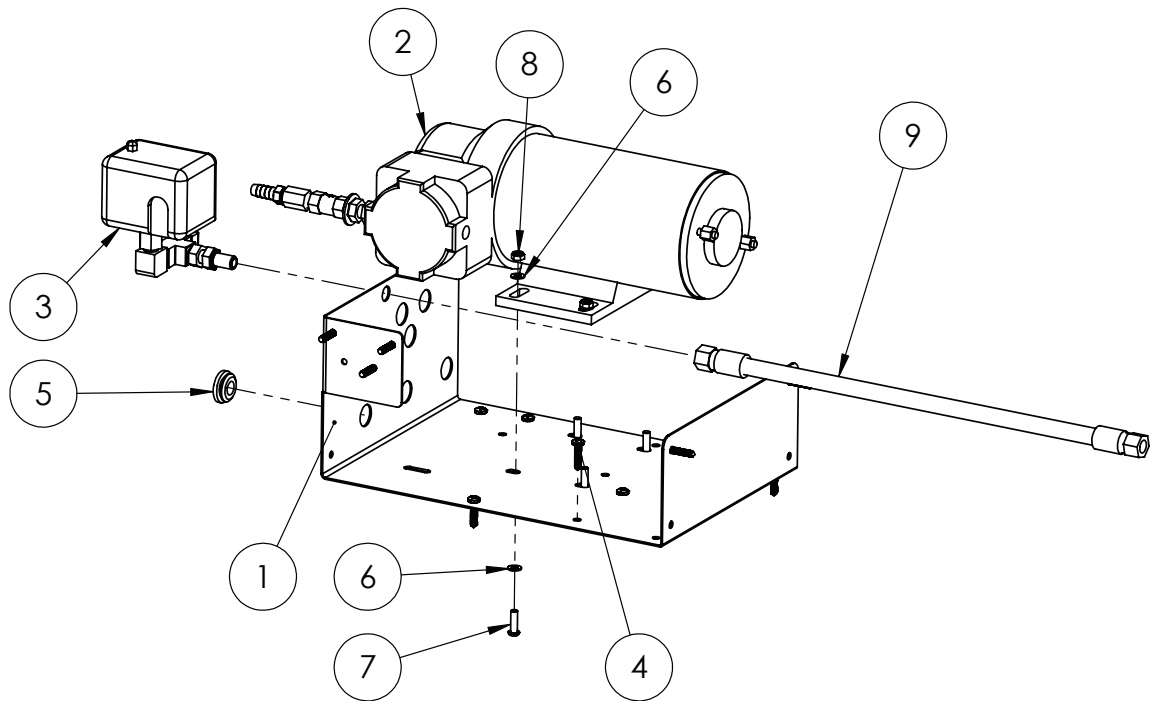
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5018809	Air compressor, Suit airbag, 12V, 30.6L/min, 150psi maximum, note: spare parts use GA5018809-SK	-
1	666331	Connecting Rod & Electric Assembly	1
2	GA5012547	O Ring - Sleeve	1
3	669136	Head Assembly	1
4	610514	Head	1
5	GA5021535	Valve restraint	1
6	GA5008789	Valve, Flapper, Air compressor, Internal intake & exhaust	1
7	GA5017339	Valve flapper	1
8	GA5021540	Valve Shim	1
9	621602	Head Plate	1
10	623615	O Ring - Valve Flapper	1
11	GA5014807	Screw for Thomas compressor	2
12	625558	Screw - Head	4
13	GA5021545	O Ring gasket head	1
14	617292	Bracket 12V	1
15	617386	Bracket 24V	1
16	GA5013541	Bracket	1
17	GA5012559	O Ring head gasket	1
18	625072	Screw - Bracket	5
19	626283	Nut - Bracket	2
20	GA5009349	Gasket - Bracket	1

Airbag Compressor Pressure Switch



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5048300	Tee, 1/4 female thread x 1/4 female thread x 1/4 female thread, Brass	1
2	GA5049290	Elbow 1/4 male thread x 3/8 barb brass	1
3	GA3500249	Hydraulic adaptor, Bulkhead nipple, 1/4" BSPP male x 1/4" BSPP male, S44-0404	1
4	GA5000577	Washer 12mm Flat SS HD	2
5	GA5008343	Elbow male thread 1/4 X 1/4	1
6	GA5016221	Pressure switch, Differential, suit Airbag	1

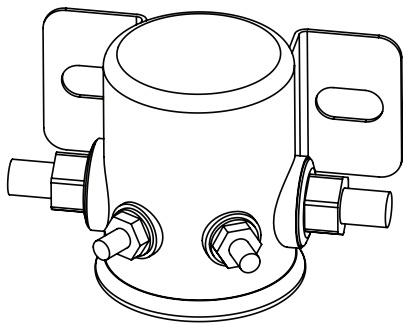
RapidFire & Airbag Compressor Mounting



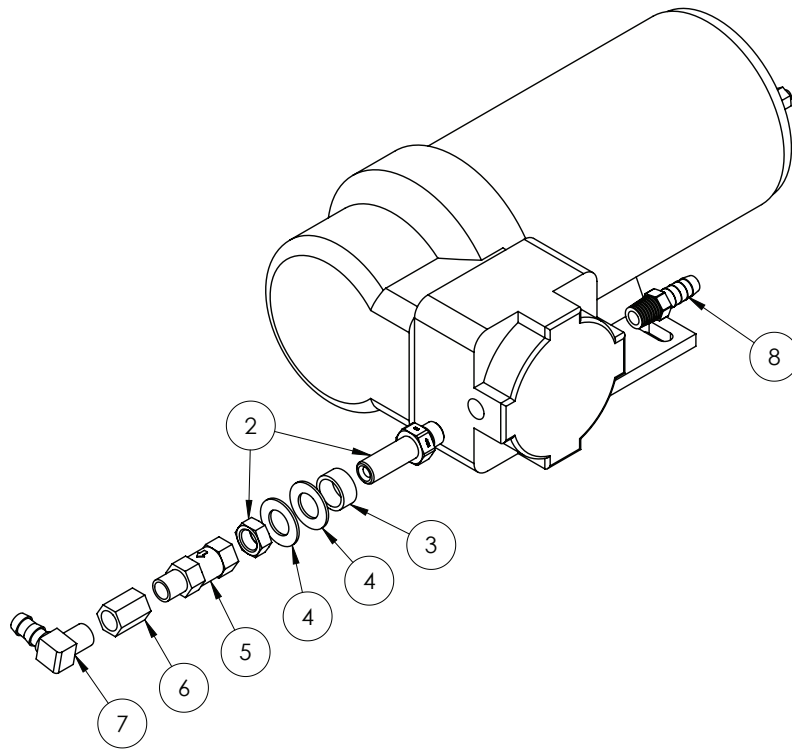
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70785A	Foam marker/airbag comp plate	1
2	*	RapidFire Compressor Assembly	1
3	*	Airbar Compressor Pressure switch, Sub-assembly	1
4	GA5000527	Screw Pan Head 12g x 25mm SS	12
5	GA5012199	Grommet, 29mm OD, Neoprene	1
6	GA5012199	Grommet, 29mm OD, Neoprene	8
7	GA5004053	BHCS M6 x 20 SS A2-70	4
8	GA5048115	Nut M6 Nyloc ZP	4
9	GA4906200	Hydraulic Hose, Airbag Compressor	1
-	GA5063602	Loom High current solenoid to suit rapid fire compressor	1

* Sub-assembly on following pages

PART NUMBER	DESCRIPTION
GA5052280	Solenoid coil, 200 Amp, NO silver contacts, relay, SPST

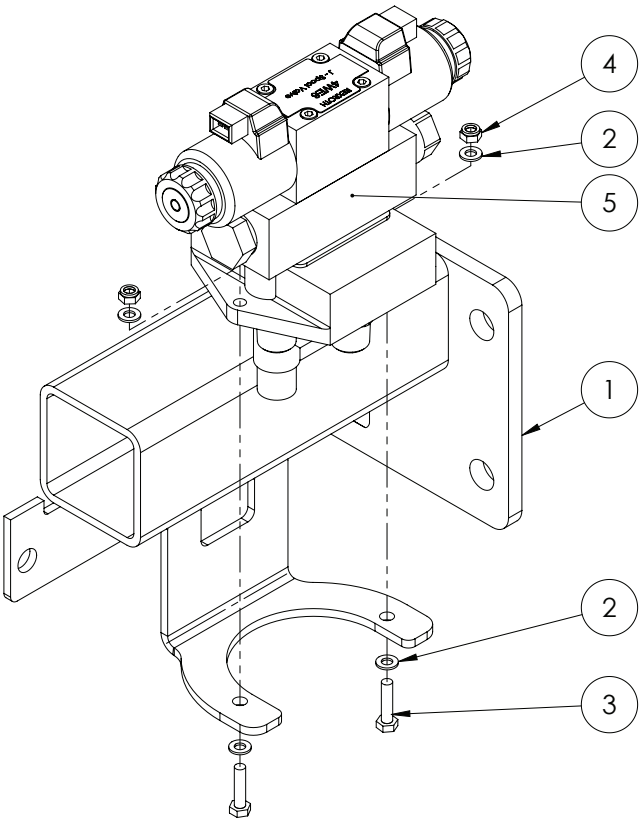


RapidFire Compressor Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5053340	Air compressor, Suit airbag, rapidfire, 12V, 62.3L/min, 100 psi maximum	1
2	GA3500249	Hydraulic adaptor, Bulkhead nipple, 1/4" BSPP male x 1/4" BSPP male, S44-0404	1
3	GA4552070	Crush Tube, 16.2 ID, 20.5 OD, 9.5 long	1
4	GA5050325	Washer 14mm Flat SS	2
5	GA5014796	Valve, Check, Pneumatic, 1/4 thread female inlet & male outlet	1
6	GA5066940	Socket, 1/4 female thread, Hex, Brass	1
7	GA5049290	Elbow 1/4 male thread x 3/8 barb brass	1
8	GA5050725	Hose Barb, 1/4" BSPT x 3/8 barb, Brass, P3	1

Fill Pump Spool



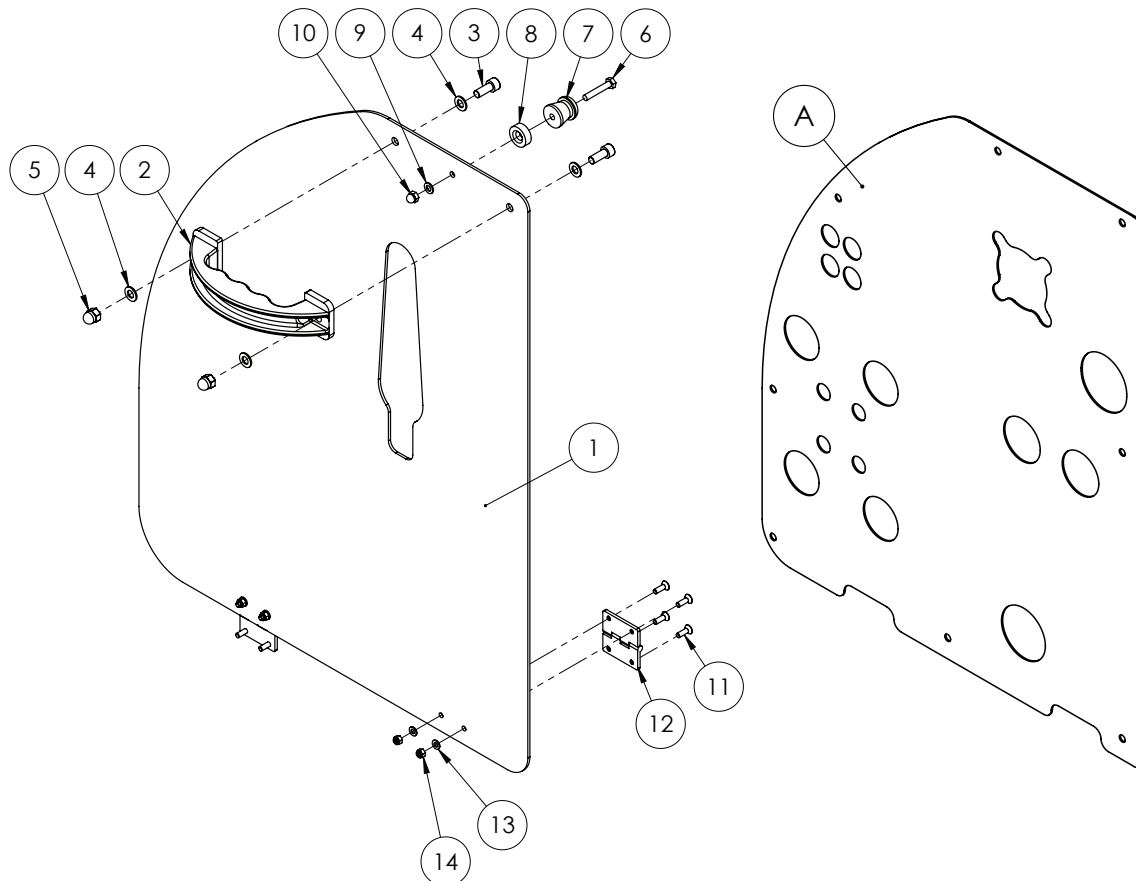
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4654410	Pod Frame Advance RH	1
2	GA5004437	Washer 6mm Flat SS	4
3	GA5004073	Bolt M6 x 25 GR8.8 ZP	2
4	GA5048115	Nut M6 Nyloc ZP	2
5	^	Fill Pump Hydraulic Manifold Assembly	1

^ See Chapter 18 'Hydraulics' for sub-assembly

Chapter 5

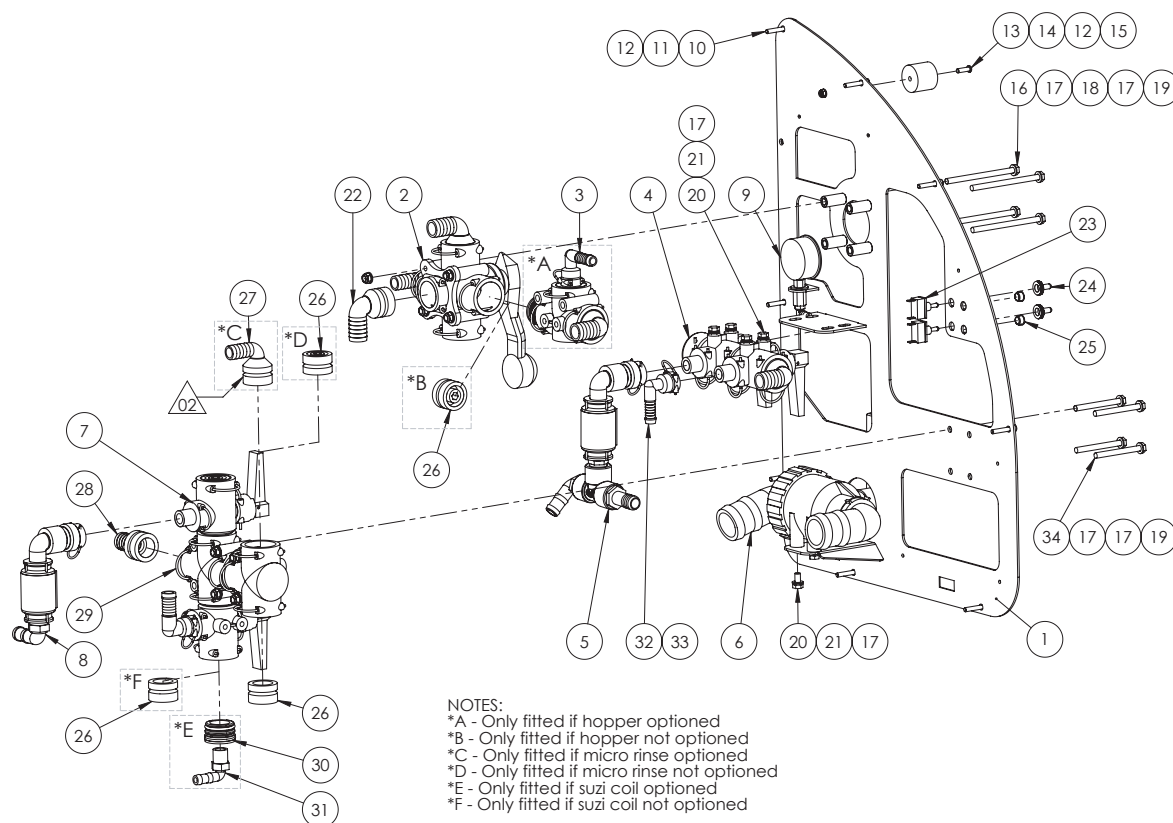
LEFT HAND POD

LH POD - Control Panel Cover



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
A	GA4523635	Cover Plate	1
1	GA4523640	Hinge Cover, Fill Station	1
2	GA5009841	Handle, Black, Heavy duty, Polyethylene	1
3	GA5004707	SHCS M8 x 20 GR12.9 ZP	2
4	GA5003643	Washer 8mm Flat SS HD	4
5	GA5011457	M8 Dome Nut	2
6	GA5011405	Bolt M6 x 35 GR8.8 ZP	1
7	GA5011607	Door holder, Male, Rubber, Black	1
8	GA4572010	Air Chemsaver Washer	1
9	GA5004437	Washer 6mm Flat SS	1
10	GA5048465	M6 Dome Nut ZP	1
11	GA5051230	CSCS M5 x 16 SS A2-70	8
12	GA5020415	Hinge Cabin SS 50 x 52 x 3 mm	2
13	GA5003983	Washer 5mm Flat SS	4
14	GA5003974	Nut M5 Nyloc ZP	4

LH POD Assembly - Control Panel



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658165	LHS Pod Door Skin	1
2	*	4 Way Valve Assembly	1
3	*	Hopper Connection Assembly	1
4	*	Pressure Control Assembly	1
5	*	Pressure Delivery Check Valve Assembly	1
6	*	Fresh Water Fill Tap Assembly	1
7	*	Fill Manifold Assembly	1
8	*	Flush Tank Check Valve Assembly	1
9	*	Pressure Gauge Assembly	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
20	GA5011465	Bolt M8 x 16 GR8.8 ZP	7

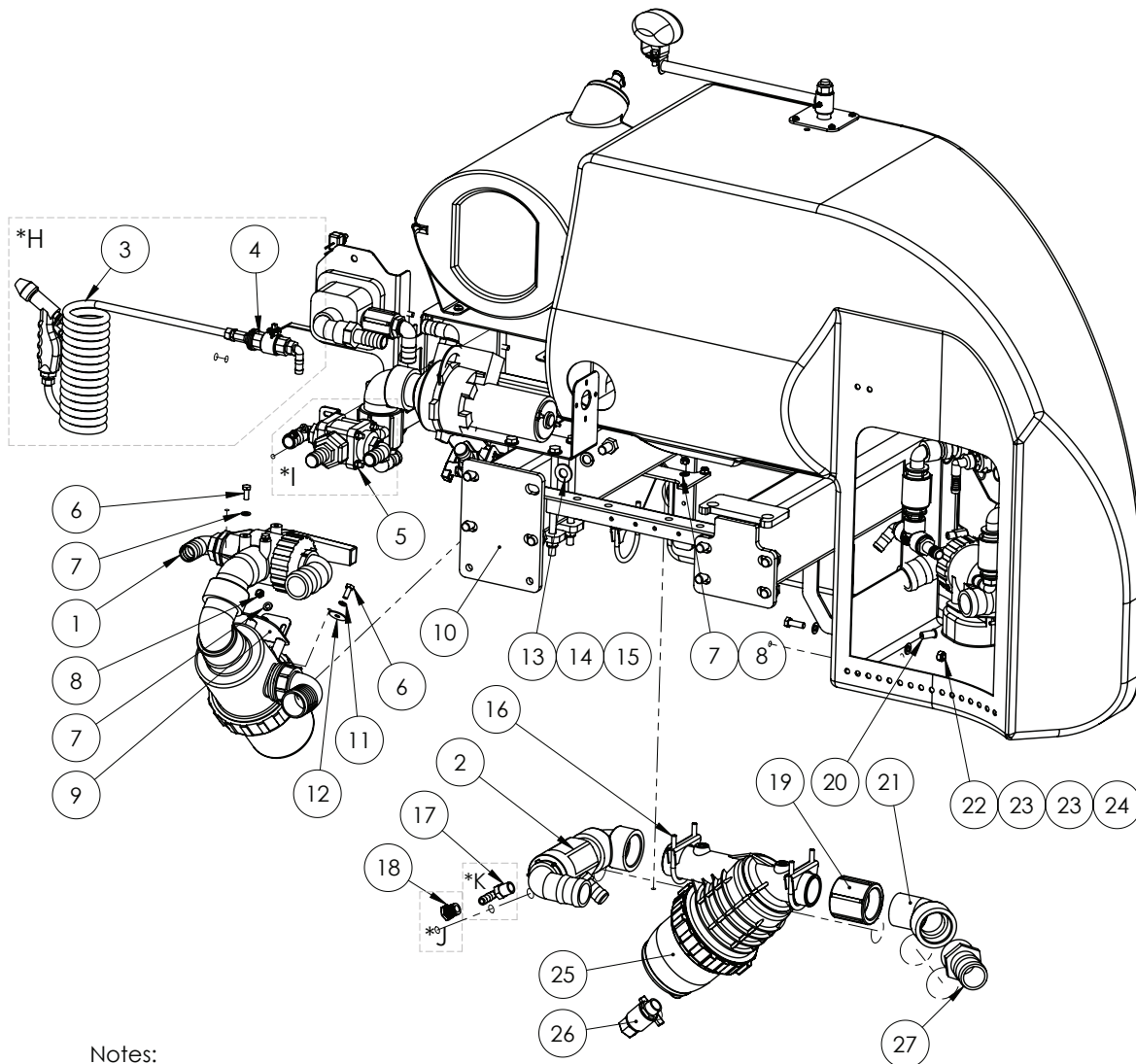
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LH POD Assembly - Control Panel

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
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	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	Safety pin, Suit AS40 plumbing fittings, Altek	1
30	GA4582345	Dummy plug AS40 GI 1/2 female (45mm Delron)	1
31	GA5077708	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo	1
32	GA5065750	Hose barb, Elbow, 90 degree, AS24 female x 15mm hose, Altek	1
33	GA5065695	Safety pin AS24	1
34	GA5004749	Bolt M8 x 80 GR8.8 ZP	4

* Sub-assembly on following pages

LH POD Assembly - Filters



Notes:

*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	*	Suction Filter Assembly	1
2	*	Fresh Water Filter Manifold Assembly	1
3	*	Wash Down Gun Assembly	1
4	*	Wash Down Gun Valve Assembly	1
5	*	Chemical Pump / Venturi, Ball Valve Assembly	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	1
10	GA4658155	Support Frame, Left Hand Side	1
11	GA5004919	Washer 8mm Spring SS	15

* Sub-assembly on following pages

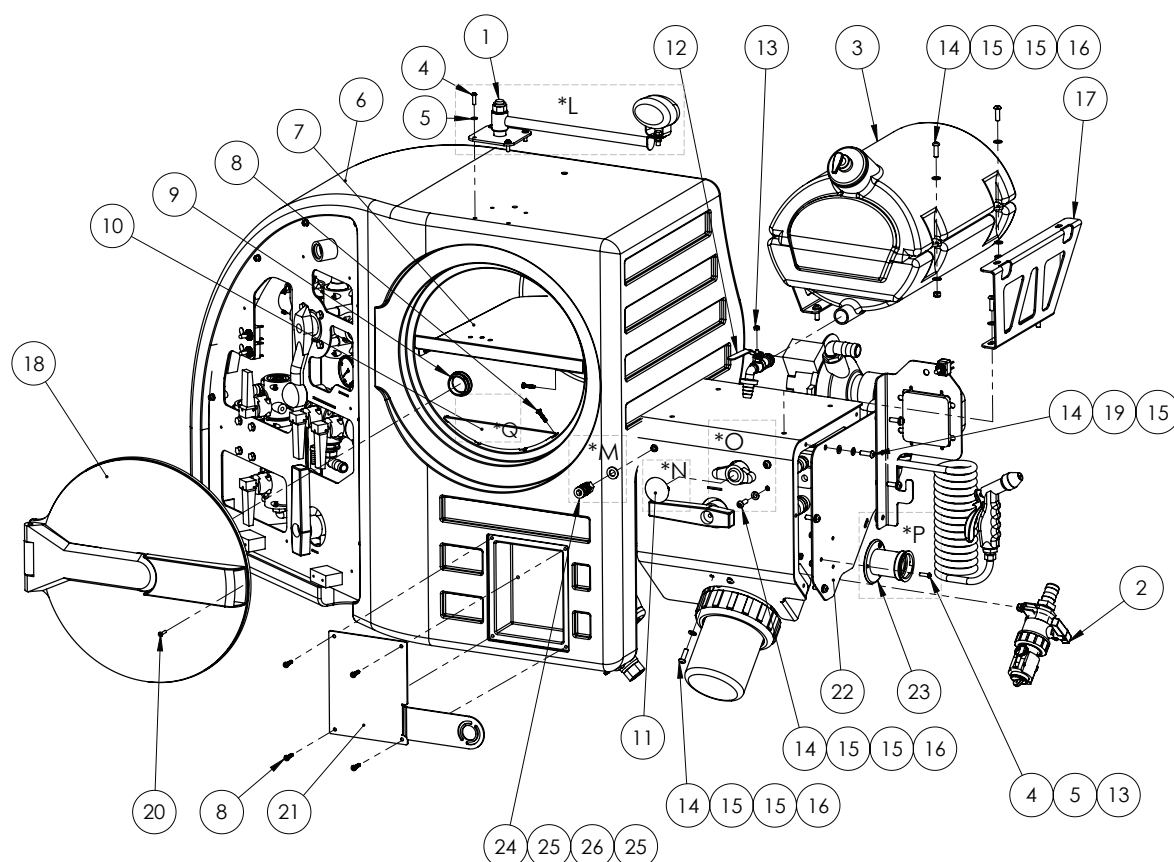
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LH POD Assembly - Filters

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
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	2
18	GA5077943	Plug, 1/2" male thread, Banjo, PLUG050	1
19	GA5077641	Coupling, socket, 2" female thread, Banjo	1
20	GA5020855	Rawl nut, M6 x 25 long	9
21	GA5078141	Street elbow, 45 degree, 2" male thread x 2" female thread, Banjo	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	1
26	GA5018315	Valve, Ball, 20mm, 3/4" male, female, Black Butterfly handle, Brass	1

* Sub-assembly on following pages

LH POD Assembly - Accessories



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

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	^	Pod Light Assembly	1
2	*	Chem Probe Assembly	1
3	GA5075110	Water tank, 30L, Black plastic, with soap dispenser, used for hand wash	1
	GA5051275	Soap dispenser, Suit hand wash tank GA5075110	-
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	GA5003875	End cap, 50 mm round black, 2.5 - 4.5mm wall	1
10	GA4534185	Locker Bottom Lip	1
11	GA5054755	Insert, Hole cover 46mm dia Black	1
12	GA5070735	Tap 3/4" BSP with hose barb suit Hand Wash Bottle	1

* Sub-assembly on following pages

^ See Chapter 15 'Electrics' for sub-assembly

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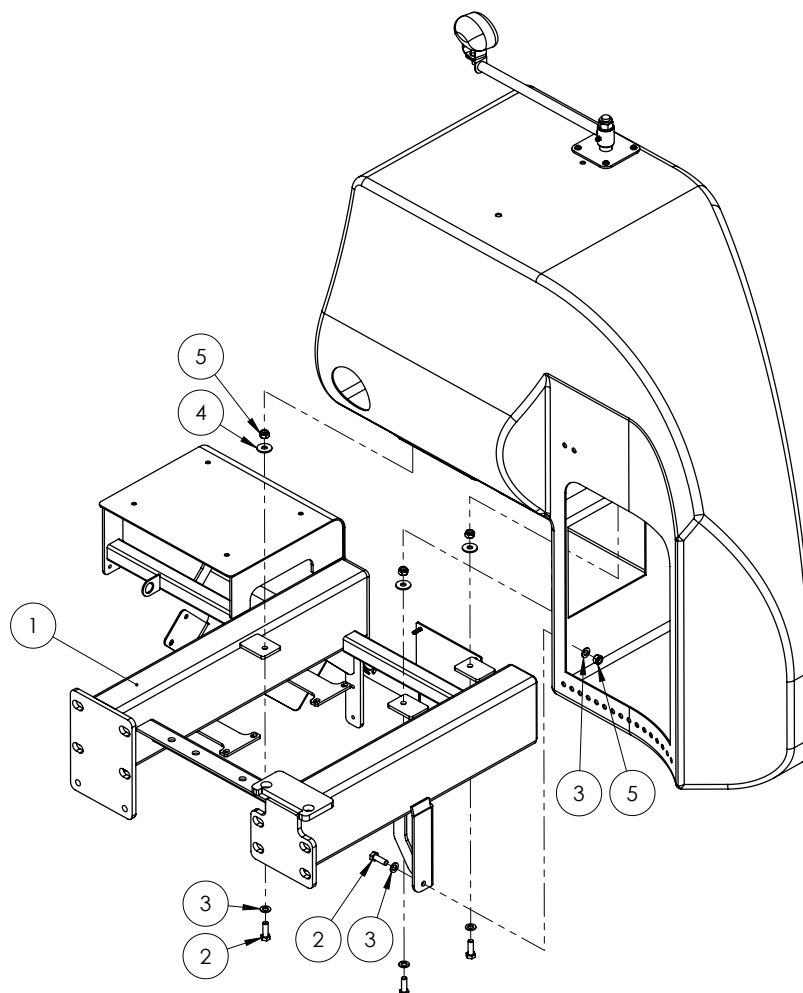
LH POD Assembly - Accessories

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	GA5048115	Nut M6 Nyloc ZP	9
14	GA5011473	BHCS M8 x 25 SS A2-70	17
15	GA5003643	Washer 8mm Flat SS HD	58
16	GA5052590	Nut M8 Nyloc SS	24
17	GA4523740	Tank mount bracket 30L hand wash	2
18	GA5076886	Lid, Hinged, Black plastic, Suit left hand side pod door, 462 mm	1
19	GA5004919	Washer 8mm Spring SS	15
20	GA5014819	Screw Self Tapper 10g x 1" SS	8
21	F70651A	Cover plate full face	1
22	GA4523755	Prairie suction pod frame side cover plate	1
23	GA5018800	Rinsing socket, 3 pin, Micromatic / Enviro drum coupling	1
24	200S	Coupling, Air, 1/4" BSPP female x female, 200S	1
25	GA5000577	Washer 12mm Flat SS HD	10
26	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male	1

* Sub-assembly on following pages

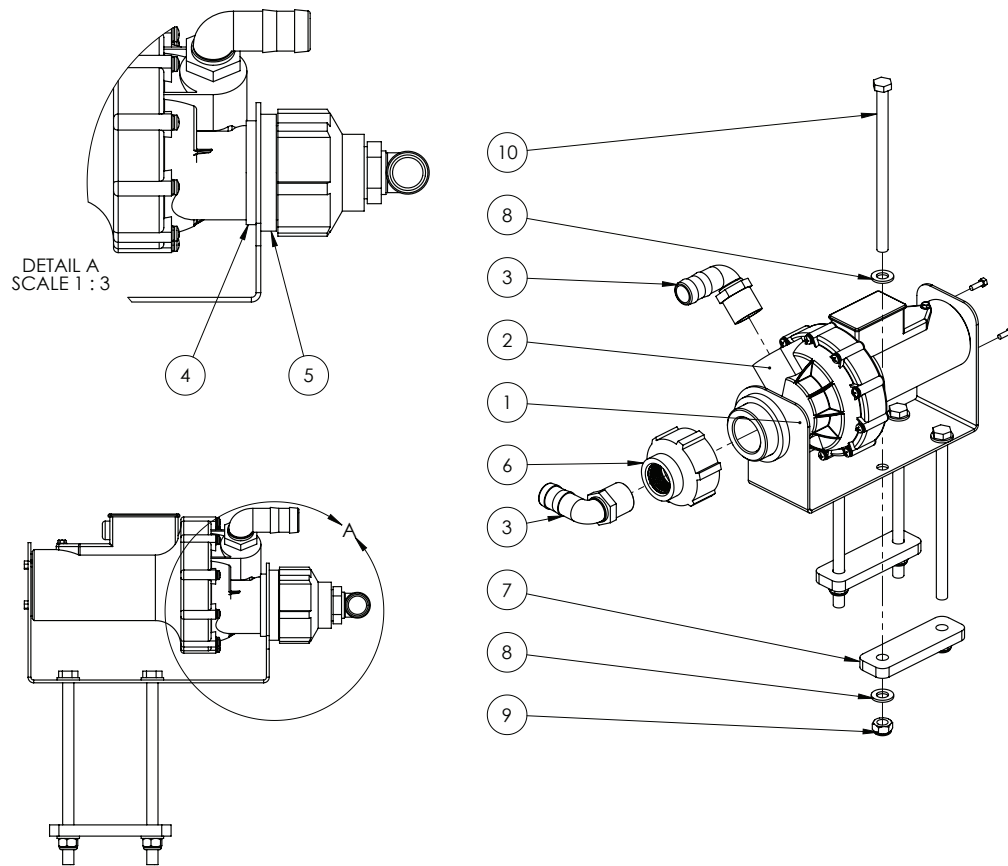
^ See Chapter 15 'Electrics' for sub-assembly

LH POD Assembly - Frame & Mounting



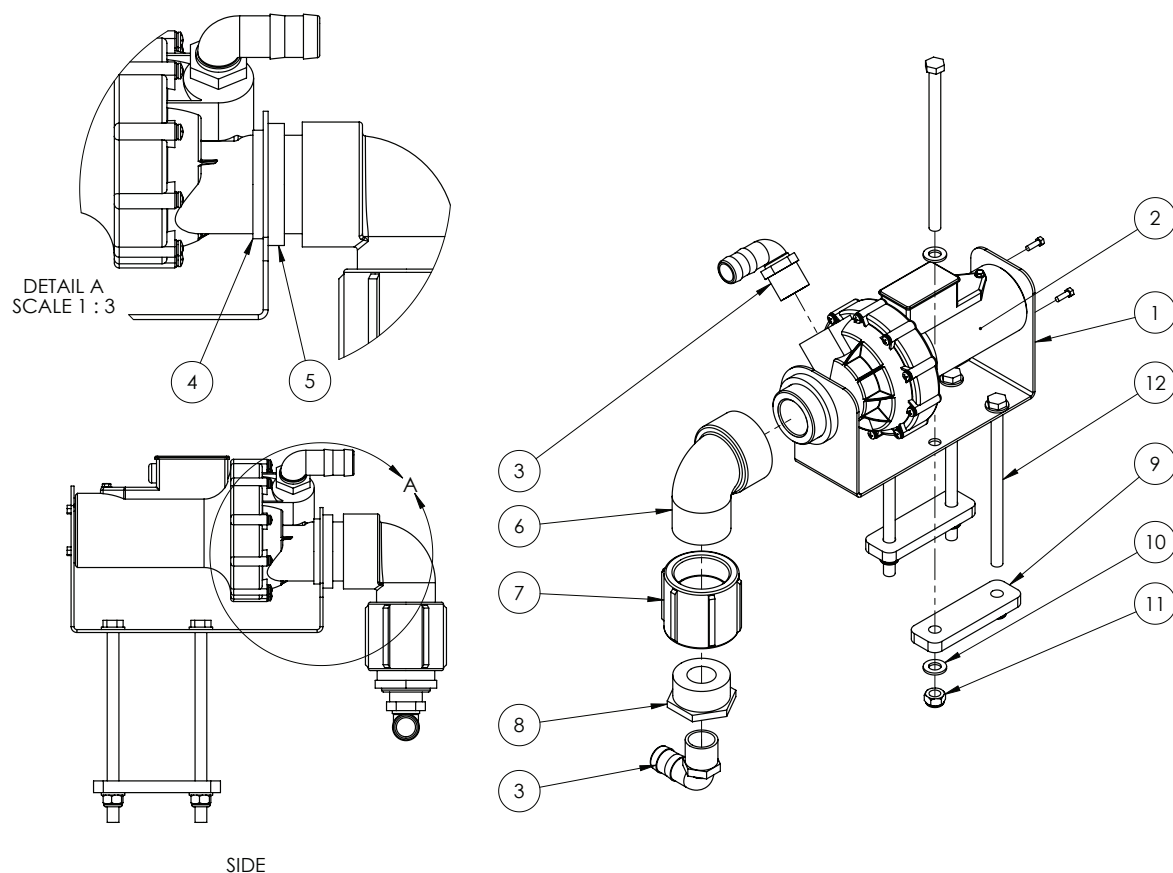
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658155	Support Frame, Left Hand Side	1
2	GA5065455	Bolt M10 x 30 GR8.8 ZP	4
3	GA5000117	Washer 10mm Flat SS HD	5
4	GA5002627	Washer 3/8" ID x 1 1/8" OD High Tensile	3
5	GA5000141	Nut M10 Nyloc ZP	4

Chemical Pump - Standard



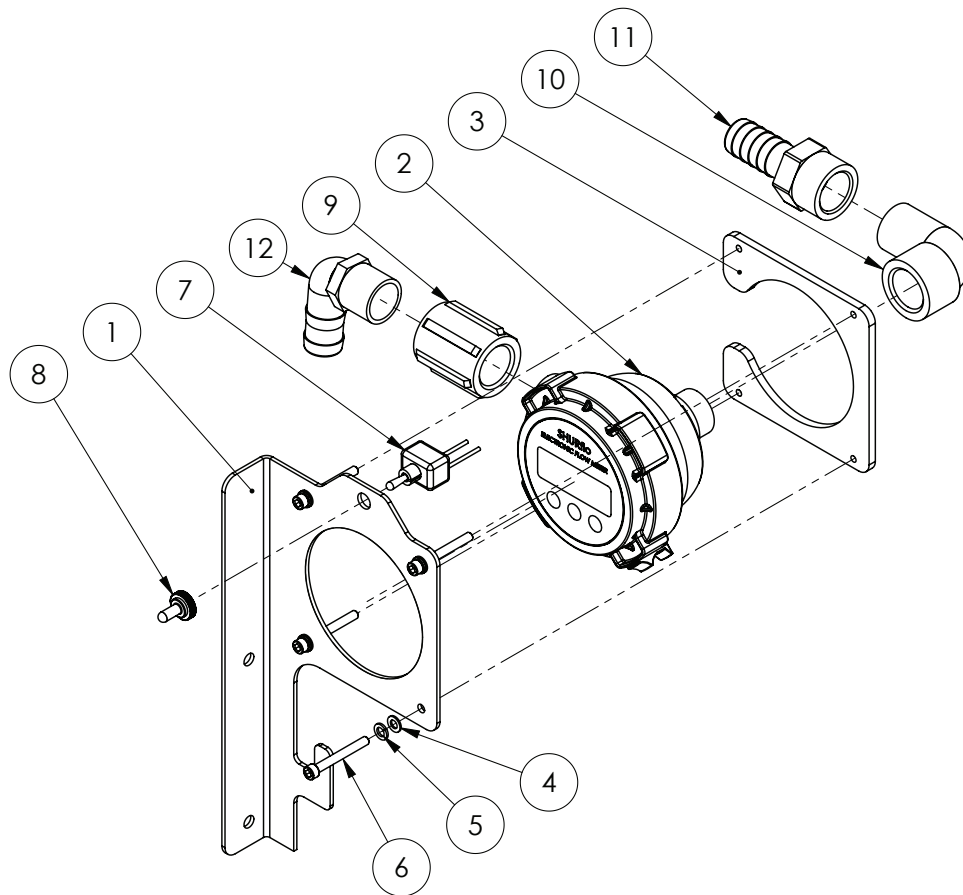
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4508525	Plate, Pump mount	1
2	GA2000030	Pump, Diaphragm, Chemical transfer 12v	1
3	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	2
4	GA5076615	Seal, EPDM, Suit 2" flange fitting	1
5	GA4552870	Spacer, Pod fill point fitting 6 l	1
6	GA2000032	Reducing coupling, 2" female NPT to 1" female NPT	1
7	F70107A	Plate, Clamp, 130 long x 40 wide x 12 mm thick	2
8	GA5000577	Washer 12mm Flat SS HD	8
9	GA5012461	Nut M12 Nyloc ZP	4
10	GA5011223	Bolt M12 x 200 GR 8.8 ZP	4

Chemical Pump - Flow Meter Optional



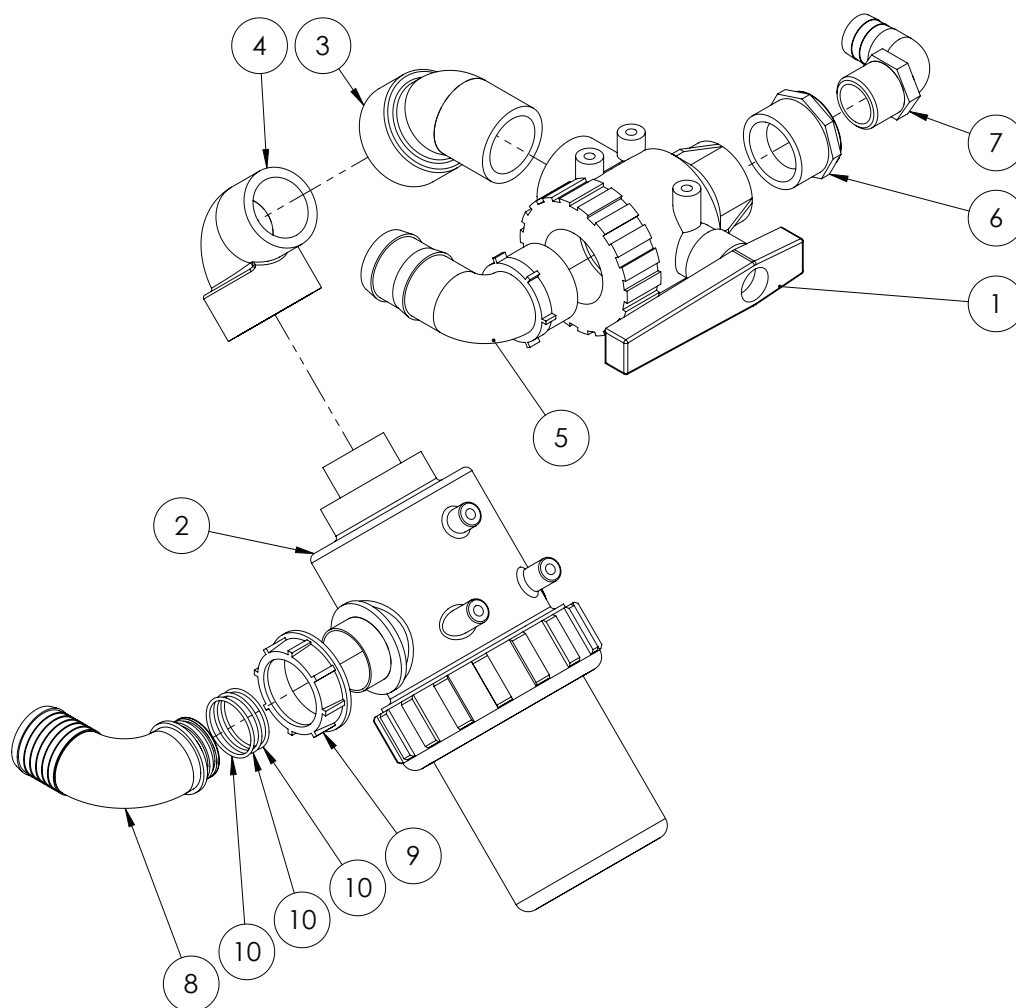
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4508525	Plate, Pump mount	1
2	GA2000030	Pump, Diaphragm, Chemical transfer 12v	1
3	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	2
4	GA5076615	Seal, EPDM, Suit 2" flange fitting	1
5	GA4552870	Spacer, Pod fill point fitting 6l	1
6	GA5078142	Street elbow, 90 degree, 2" male thread x 2" female thread	1
7	GA5077641	Coupling, socket, 2" female thread	1
8	GA5078021	Reducing bush, 2" male thread x 1" female thread	1
9	F70107A	Plate, Clamp, 130 long x 40 wide x 12 mm thick	2
10	GA5000577	Washer 12mm Flat SS HD	8
11	GA5012461	Nut M12 Nyloc ZP	4
12	GA5011223	Bolt M12 x 200 GR 8.8 ZP	4

Chemical Pump - Flow Meter



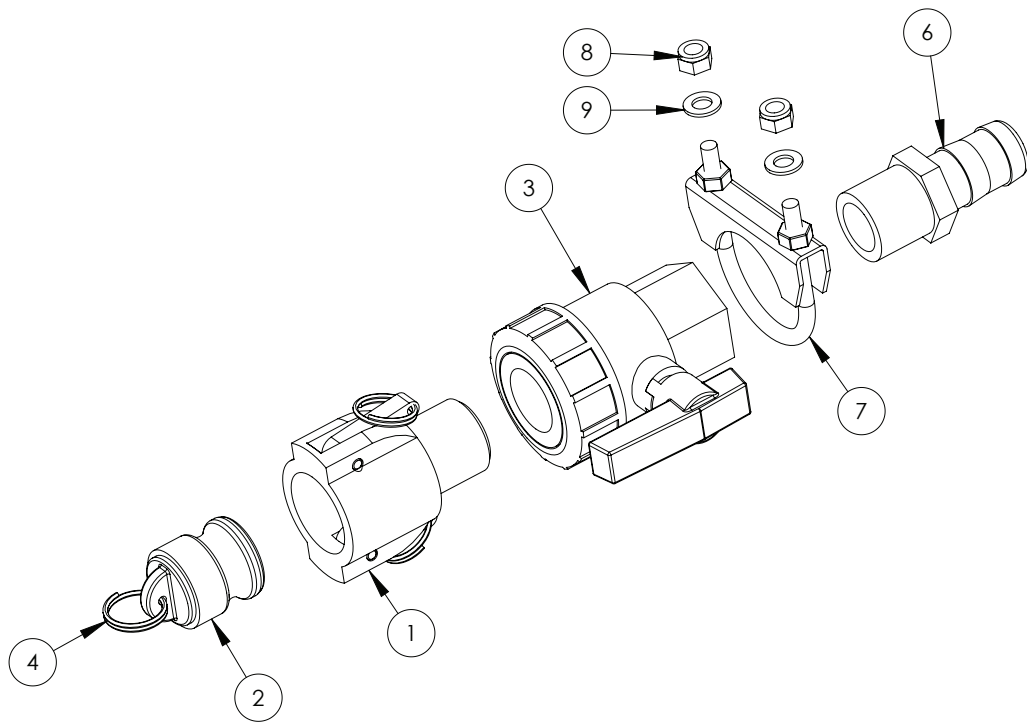
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4508530	Plate, Mount Bracket Shurflo Electronic Flow Meter FM-1100, Prairie	1
2	GA2000031	Flow meter, Chemical transfer, 90 degree, Shurflo	1
3	GA4508535	Plate, Clamp Bracket Shurflo Electronic Flow Meter FM-1100, Prairie	1
4	GA5004437	Washer 6mm Flat SS	4
5	GA5004447	Washer 6mm Spring SS	4
6	GA5011421	SHCS M6 x 50 GR12.9 ZP	4
7	GA5016749	Switch, Toggle, On / Off, Water proof, pvc coated, 25 amp	1
8	GA5012175	Cover, Toggle switch, Waterproof, Narva	1
9	GA5077638	Coupling, socket, 1" female thread, Banjo	1
10	GA5078137	Street elbow, 90 degree, 1" male x 1" female, Banjo	1
11	GA5077747	Hose barb, Straight, 1" female thread x 1" hose, Banjo	1
12	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo	1

Suction Filter Assembly - 260 Zeta



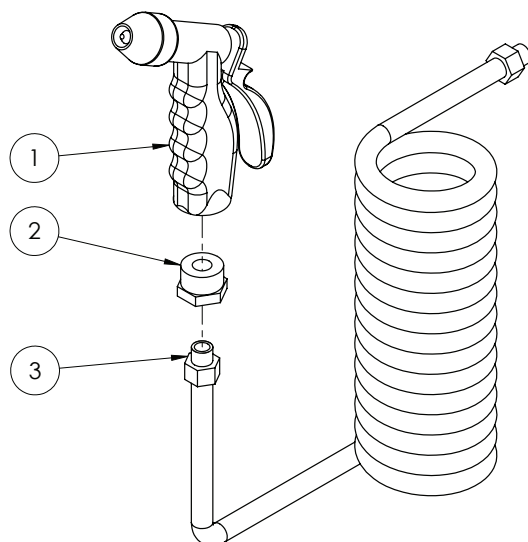
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5076996	Handle, Red, Suit 2" Arag ball valve	-
1	GA5076987	Valve, Ball, 3 way, 2" female thread inlet & outlet	1
2	GA5076799	Filter, Suction, 2" male inlet & outlet, 32 mesh screen	1
3	GA5078141	Street elbow, 45 degree, 2" male thread x 2" female thread	1
4	GA5078142	Street elbow, 90 degree, 2" male thread x 2" female thread	1
5	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose	1
6	GA5078022	Reducing bush, 2" male thread x 1 1/4" female thread	1
7	GA5077730	Hose barb, Elbow, 90 degree, 1 1/4" male thread x 1 1/4" hose	1
8	GA5076262	Hose barb, Elbow, 90 degree, 2" fly nut end x 52 mm hose	1
9	GA5076605	Fly nut, 2"	1
10	GA5048385	O ring, 42.5 x 2.62 mm, BSI 31, suit 2" hose barb	3

Chemical Probe Assembly



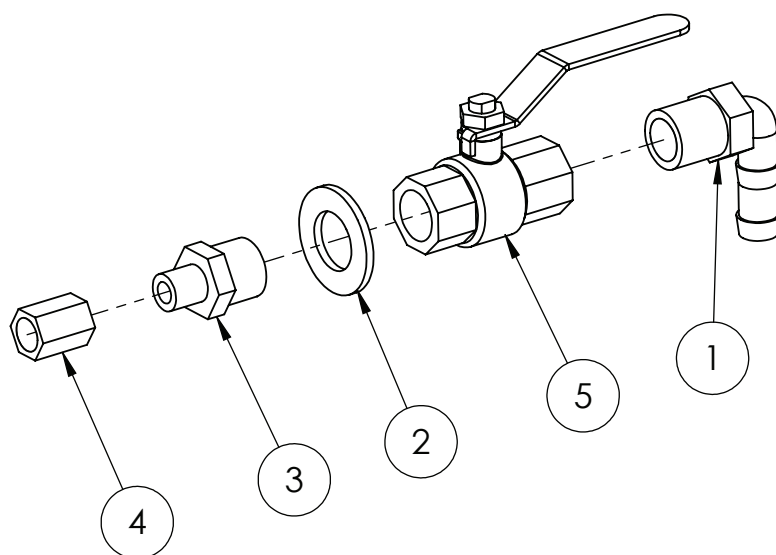
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5076007	Cam lever, 1" female coupler, 1" male thread	1
2	GA5076005	Cam lever, Male plug, Suits 1" & 1 1/4" couplings	1
3	GA5078164	Valve, Ball, 1" female thread inlet / outlet, Full port, Lever handle	1
4	GA5002077	Key ring, 25mm, SS	1
5	GA5001491	Chain 20mm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

Wash Down Gun Assembly



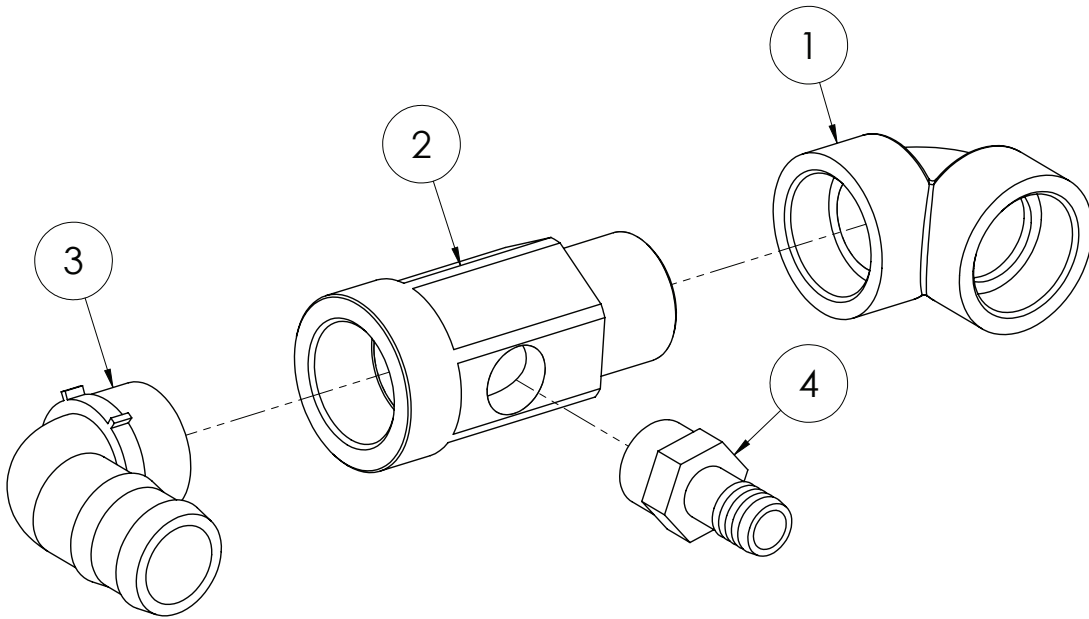
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5051390	Wash down gun	1
2	GA5049701	Bush, Brass reducing 3/4" x 1/4"	1
3	GA5051455	Suzi coil, 12mm x 8mm x 5m (1/4" male swivel ends with springs)	1

Wash Down Gun Valve Assembly



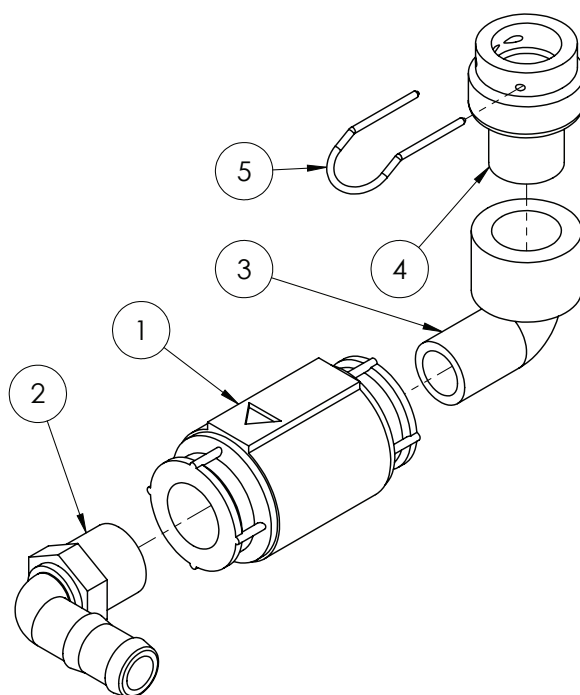
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	1
2	GA5001741	Washer 20mm Flat SS HD	1
3	GA5012259	Reducing nipple, 1/2" male thread x 1/4" male thread, Brass	1
4	GA5066940	Socket, 1/4" female thread, Hex, Brass	1
5	GA5018309	Valve, Ball, 12mm female thread inlet / outlet, Lever handle, SS	1

Fill Manifold Assembly



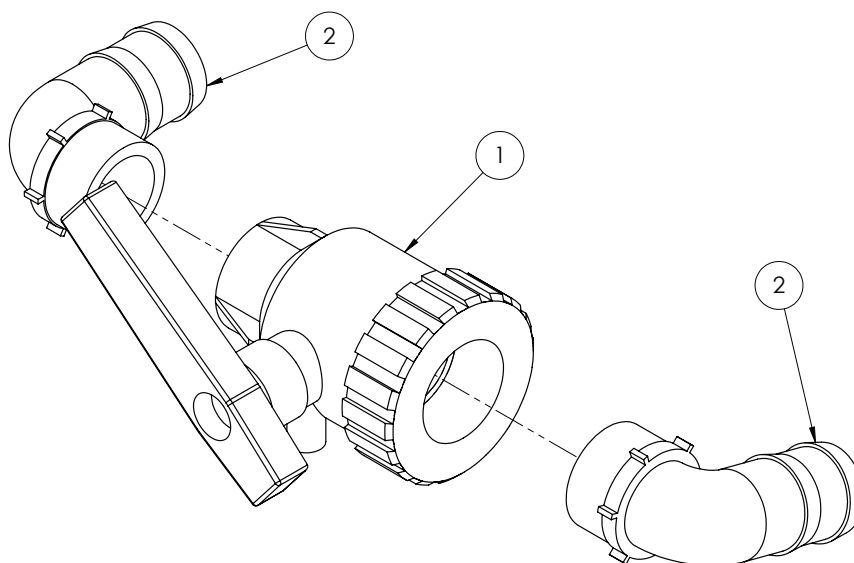
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077659	Street elbow, 90 degree, 2" female thread x 2" female thread	1
2	MACH0311	Poly fitting, 2" male x 2" female x 1" female	1
3	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose	1
4	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1

Flush Tank Check Valve Assembly



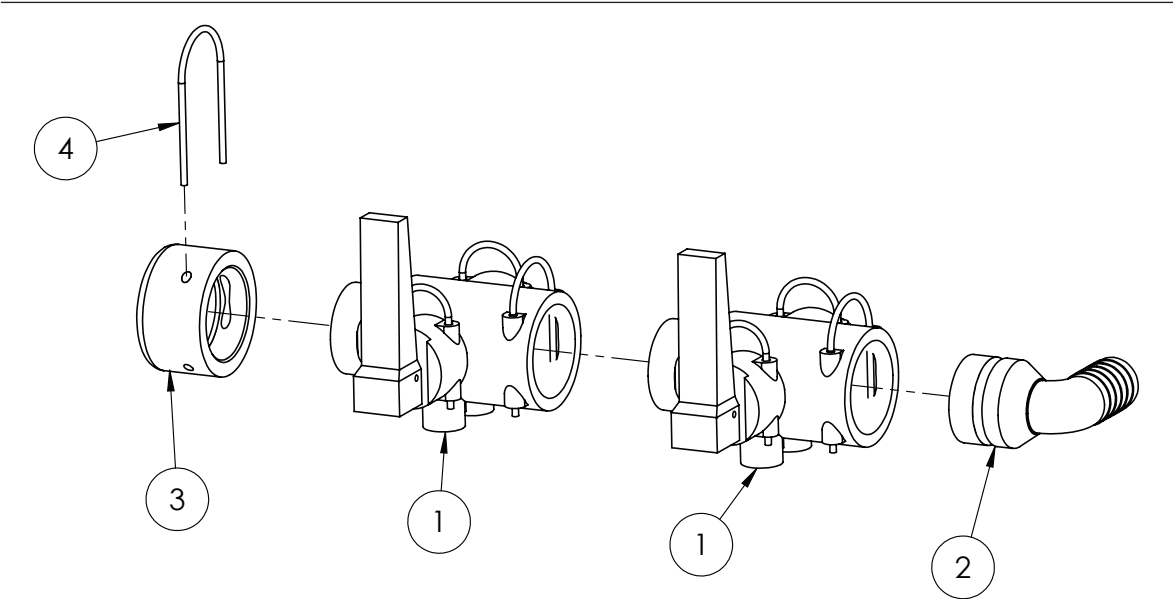
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5002473	Valve non-return 3/4"	1
2	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	1
3	GA5078135	Street elbow, 90 degree, 3/4" female thread x 3/4" male thread	1
4	GA4582415	Plumbing adaptor, AS24 female x 3/4" BSPT male	1
5	GA5065695	Safety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

Main Tank Fill Tap Assembly



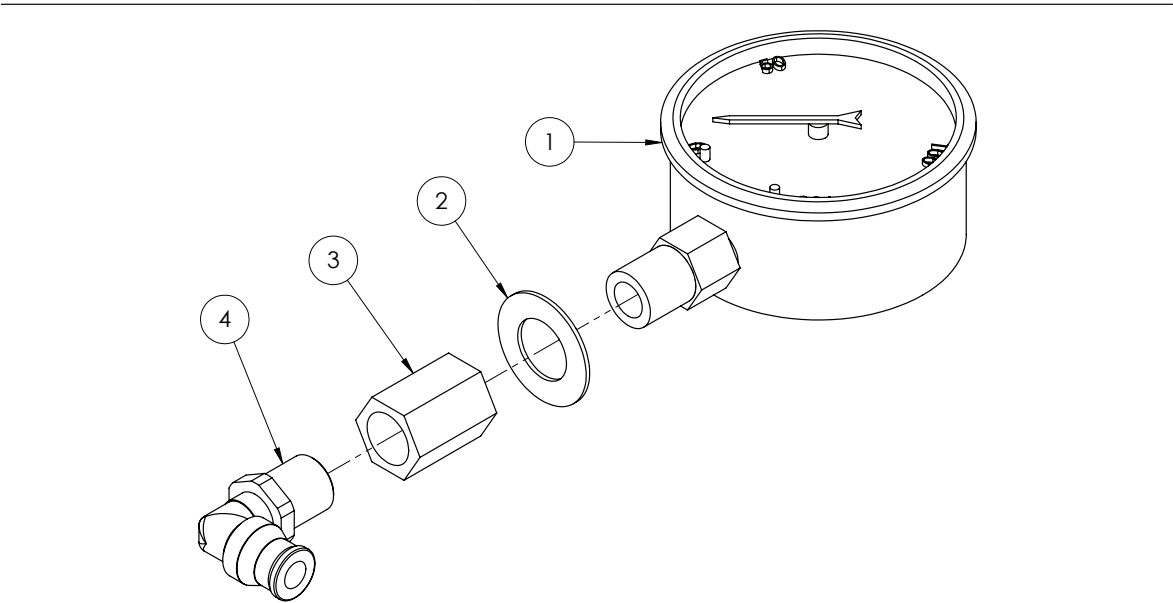
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5076981	Valve, Ball, 2 way, 2" female thread inlet / outlet, Lever handle	1
2	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose	2

Pressure Control Assembly



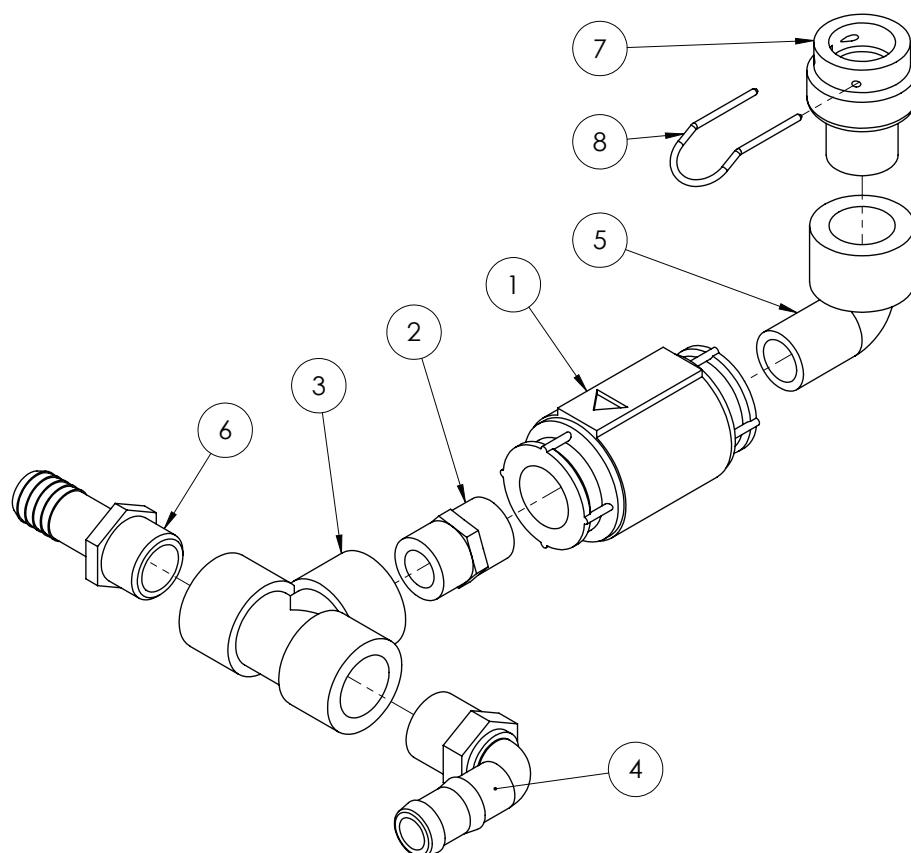
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065545	Valve, Quick fit flip top, 2 way, AS40 male x AS24 female x AS40 female, Altek	2
2	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm	1
3	GA4582395	Cap Altek AS40 (Delron)	1
4	GA5065690	Safety pin, Suit AS40 plumbing fittings	1

Pressure Gauge Assembly



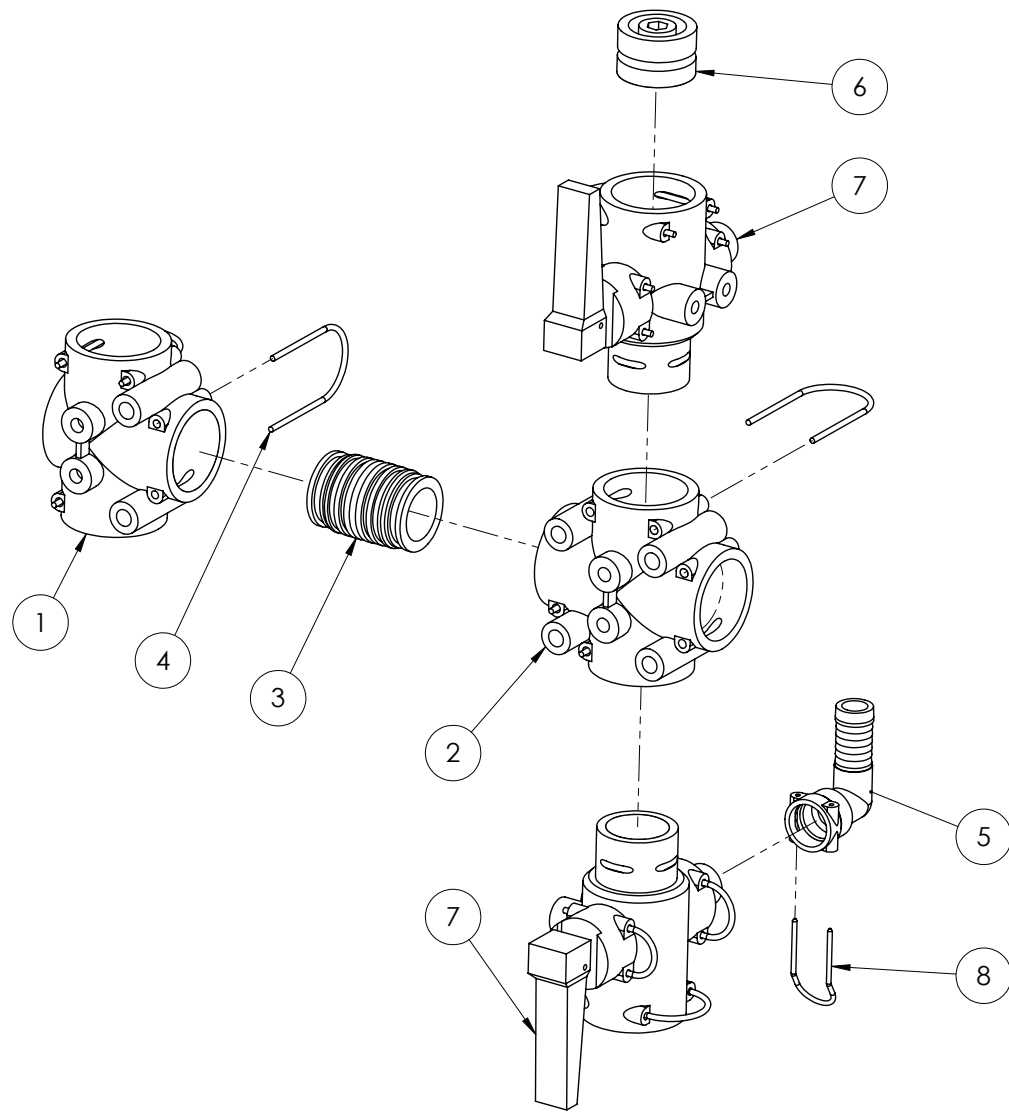
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4948470	Gauge, Pressure, Small face, 160 PSI	1
2	GA5017641	Washer 1/2" x 1" x 16g Flat SS	1
3	GA5066940	Socket, 1/4" female thread, Hex, Brass	1
4	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	1

Pressure Delivery Check Valve Assembly



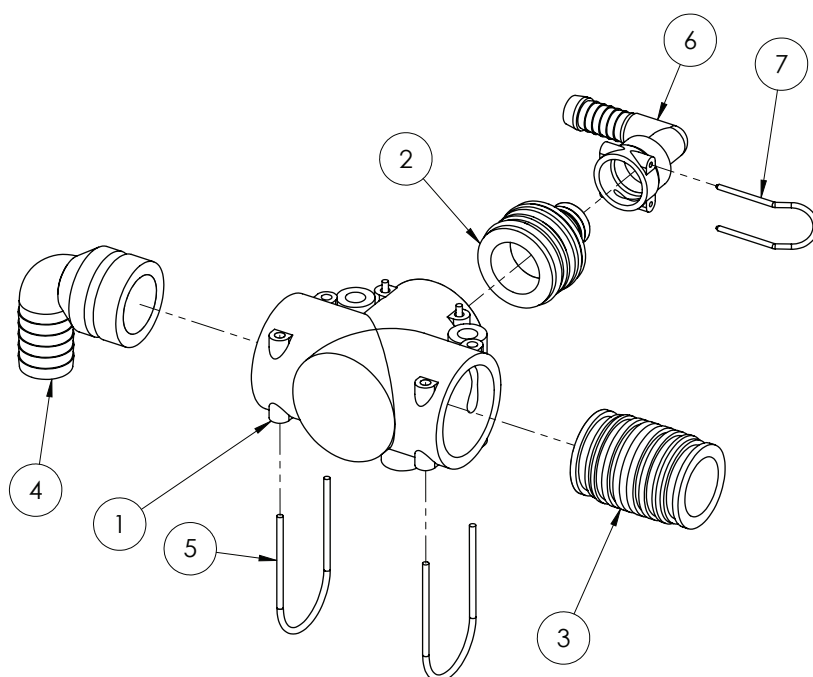
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5002473	Valve non-return 3/4"	1
2	GA5077913	Nipple, 3/4" male x 3/4" male, Short, Banjo	1
3	GA5078150	Tee, Threaded, 3/4" female, Banjo	1
4	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	1
5	GA5078135	Street elbow, 90 degree, 3/4" female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

Fill Manifold Assembly



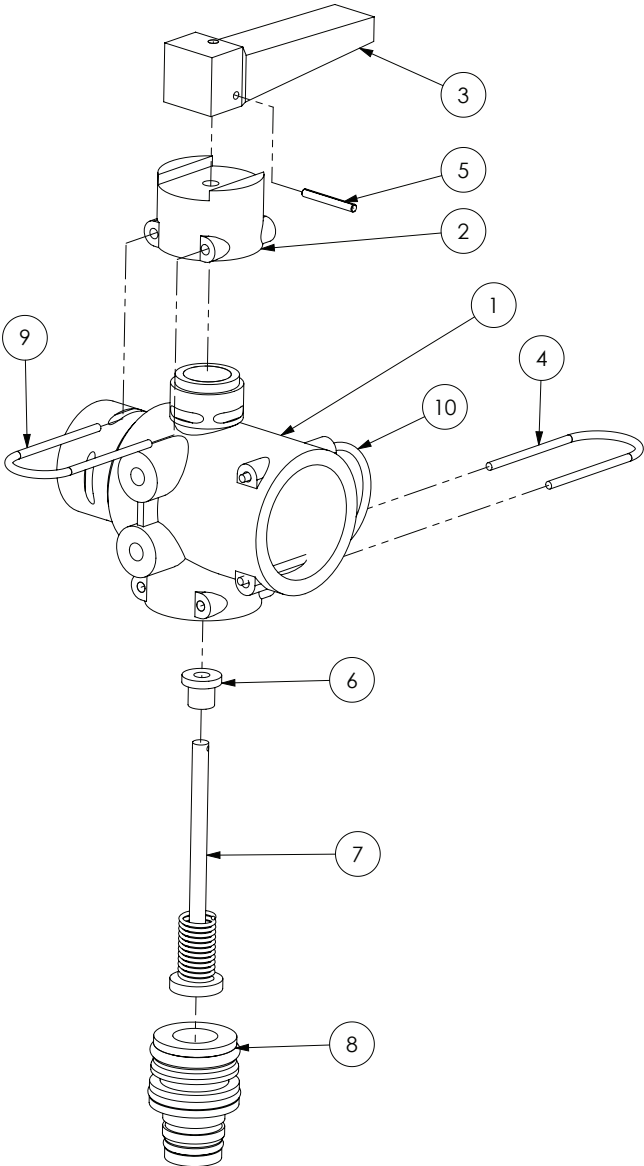
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065560	Tee, AS40 female, M8 inserts, Altek	1
2	GA5065565	Plumbing coupling, Cross, AS40 female inlets / outlets, Altek	1
3	GA5065735	Plumbing adaptor, AS40 male x AS40 male, Altek	1
4	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	6
5	GA5065675	Hose 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

Hopper Manifold Assembly



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

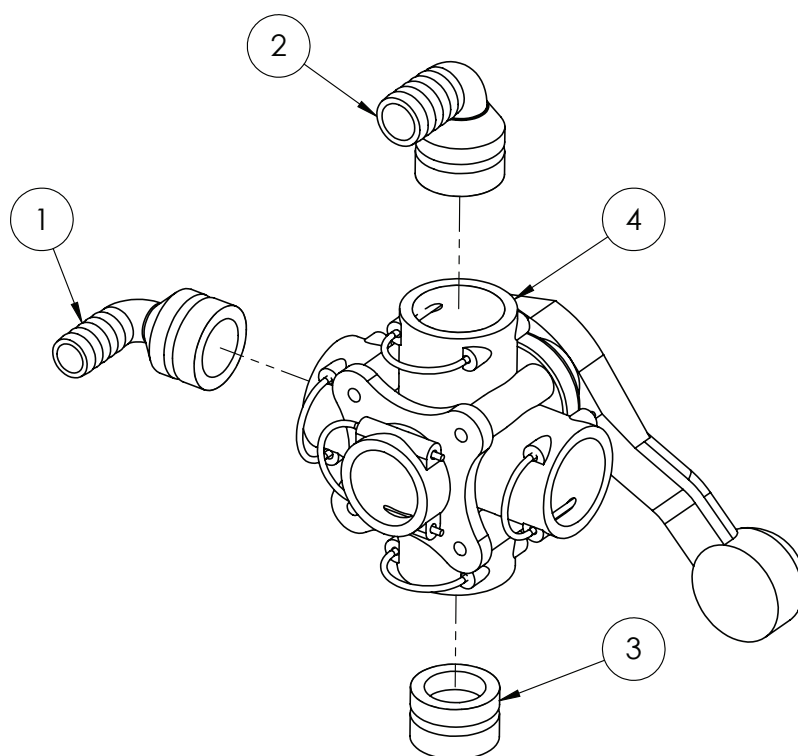
Valve - 2 Way Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5065545	Valve, Quick fit flip top, 2 way, AS40 male x AS24 female x AS40 female, Altek	-
1	80487	Body	1
2	80856	Lever cap	1
3	80851	Lever	1
4	GA5065701	Safety pin AS30	1
5	80859	Handle split pin	1
6	81524	Seal	1
7	80858	Plunger	1
8	GA5065835	Plug in adapter, AS30 x AS24, Altek	1
9	47825	Safety pin	1
10	GA5065690	Safety pin AS40	1

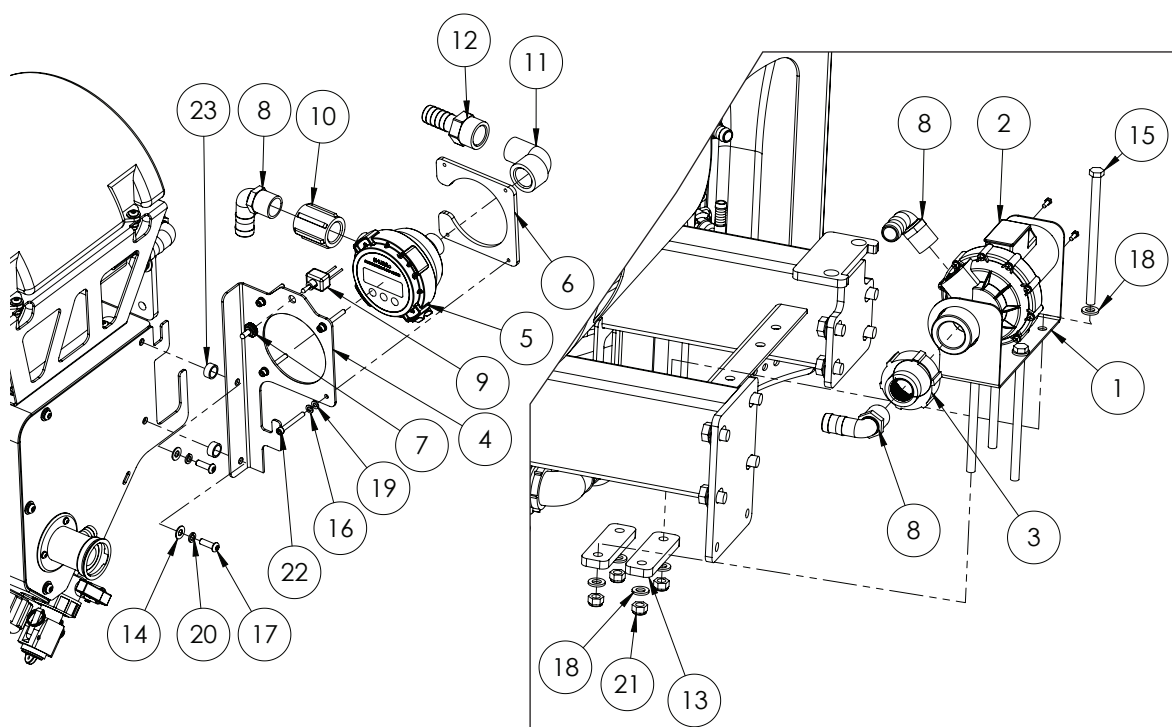
NOTE: Not all parts stocked

Valve - 4 Way Assembly



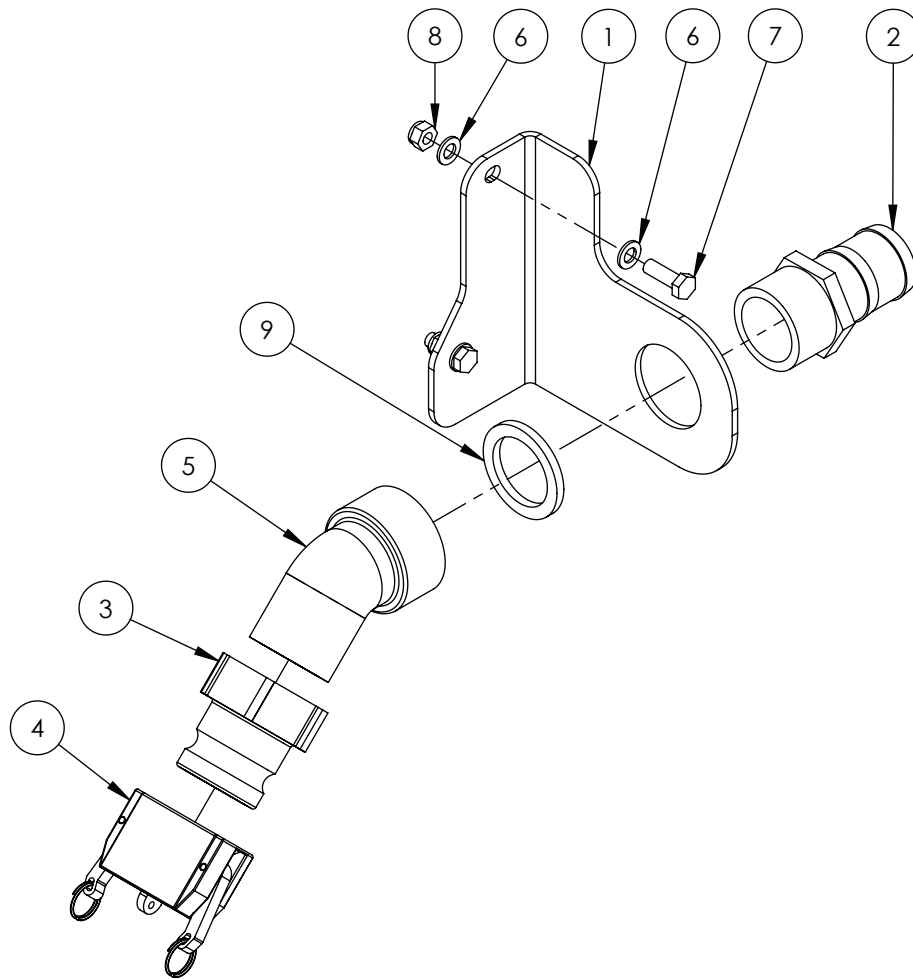
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5065610	Hose barb, Elbow, 90 degree, AS40 x 20mm hose, Altek	1
2	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm, Altek	1
3	GA5065680	Plug, AS40 male, Altek	1
4	GA5065530	Valve,Ball, 5 x AS40 female inlet / outlets, Lever handle, Altek	1

Chemical Transfer Pump Mounting



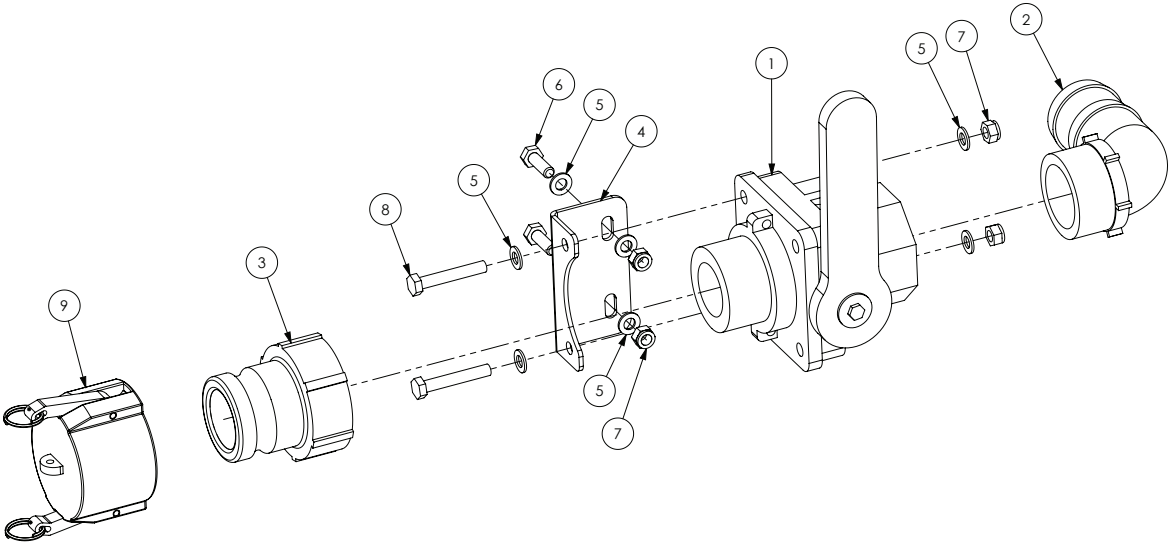
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4508525	Plate, Mount Chemical Pump	1
2	GA2000030	Pump, Diaphragm, Chemical transfer	1
3	GA2000032	Reducing coupling, 2" female NPT to 1" female NPT	1
4	GA4508530	Plate, Mount Bracket, Shurflo Electronic Flow Meter FM-1100	1
5	GA2000031	Flow meter, Chemical transfer, 90 degree, Shurflo	1
6	GA4508535	Plate, Clamp Bracket, Shurflo Electronic Flow Meter FM-1100	1
7	GA5012175	Cover, Toggle switch, Waterproof	1
8	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo	3
9	GA5016749	Switch, Toggle, On / Off, Water proof	1
10	GA5077638	Coupling, socket, 1" female thread, Banjo	1
11	GA5078137	Street elbow, 90 degree, 1" male x 1" female, Banjo	1
12	GA5077747	Hose barb, Straight, 1" female thread x 1" hose, Banjo	1
13	F70107A	Plate, Clamp, 130 long x 40 wide x 12mm thick	2
14	GA5003643	Washer 8mm Flat SS HD	2
15	GA5011223	Bolt M12 x 200 ZP GR 8.8	4
16	GA5004447	Washer, 6mm, Spring, SS	4
17	GA5011473	BHCS M8 x 25 SS	2
18	GA5000577	Washer 12mm Flat SS HD	8
19	GA5004437	Washer 6mm Flat SS	4
20	GA5004919	Washer 8mm Spring SS	2
21	GA5012461	Nut M12 Nyloc ZP	4
22	GA5011421	SHCS M6 x 50 ZP GR12.9	4
23	GA4552070	Crush Tube, 16.2 ID, 20.5 OD, 9.5mm long	2

Fill Point - 2"



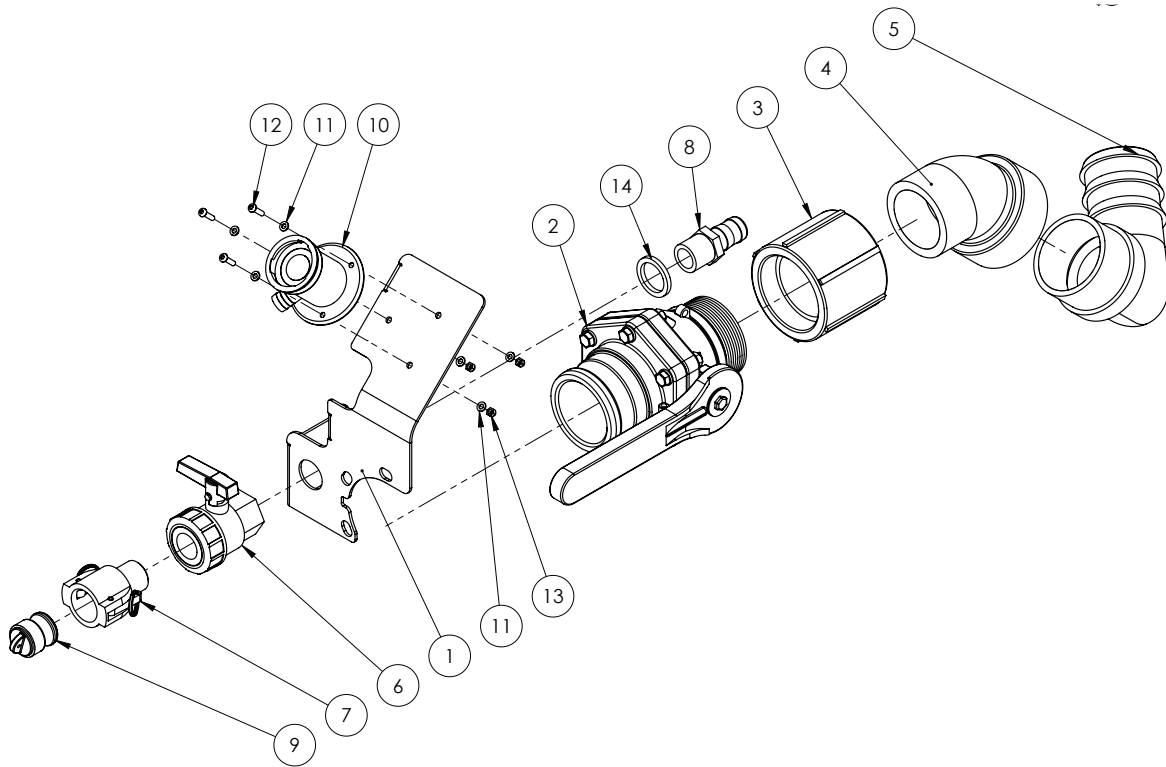
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4523870	Fill Pump Mount Plate Suit 2"	1
2	GA5077737	Hose barb, Straight, 2" male thread x 2" hose	1
3	GA5076606	Cam lever, 2" male coupler x 2" female thread	1
4	GA5076609	Cam lever, 2" female cap	1
5	GA5078141	Street elbow, 45 degree, 2" male thread x 2" female thread	1
6	GA5000117	Washer 10mm Flat SS HD	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	1

Fill - Direct Tank - 2"



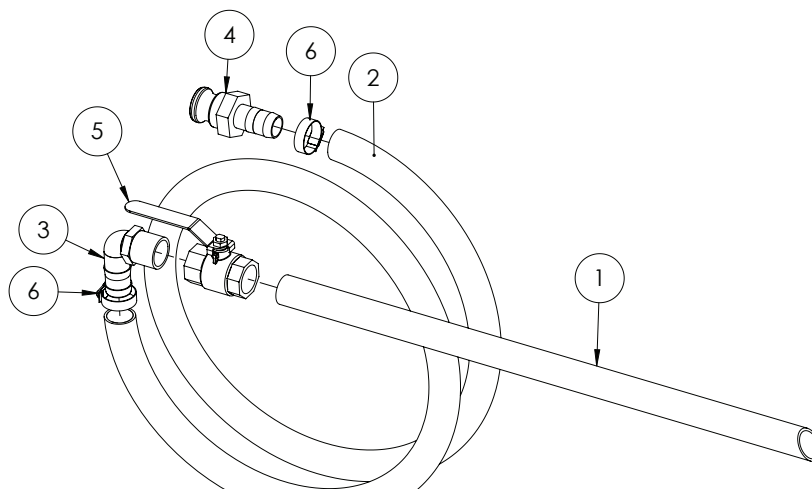
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078205	Ball Valve, 2 Way, 2" Male NPT x 2" Female NPT, Full Port	1
2	GA5077740	Hose barb, Elbow, 90 degree, 2" male thread x 2" hose	1
3	GA5076606	Cam lever, 2" male coupler x 2" female thread	1
4	GA4507125	Mount Plate Bracket, suit Banjo Valve 2"	1
5	GA5003643	Washer 8mm Flat SS HD	8
6	GA5004713	Bolt M8 x 25 SS	2
7	GA5052590	Nut M8 Nyloc SS	4
8	GA5004727	Bolt M8 x 50 ZP GR8.8	2
9	GA5076609	Cam lever, 2" female cap	1

Fill Point - 3"



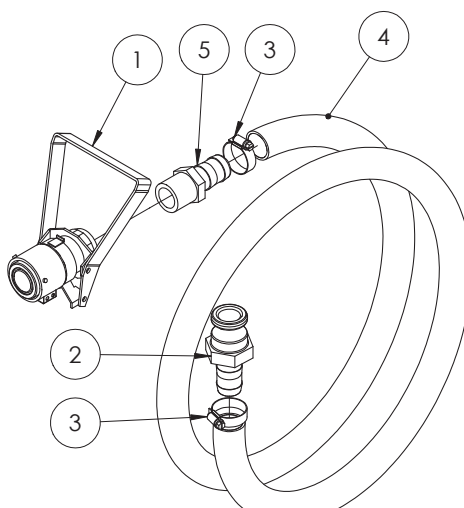
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4510570	Plate, 3" Fill Mount, Chemical Probe & Micromatic Relocate	1
2	GA5078204	Valve, Ball, 3", Male NPT, Male Cam lock, stubby, long handle	1
3	GA5077642	Coupling, socket, 3" female thread, Banjo	1
4	GA5078143	Street elbow, 45 degree, 3" male x 3" female	1
5	GA5077742	Hose barb, Elbow, 90 degree, 3" male thread x 3" hose, Banjo	1
6	GA5078164	Valve, Ball, 1" female thread inlet / outlet, Full port, Lever handle	1
7	GA5076007	Cam lever, 1" female coupler, 1" male thread, Banjo	1
8	GA5077718	Hose barb, Straight, 1" male thread x 1" hose, Banjo	1
9	GA5076013	Cam lever, Male plug, 1", Banjo	1
10	GA5018800	Rinsing socket, 3 pin, Micromatic / Enviro drum coupling	1
11	GA5003983	Washer 5mm Flat SS	6
12	GA0500004	BHCS M5 x 20 SS A2-70	3
13	GA5003975	Nut M5 Nyloc SS	3
14	GA4552865	Spacer, POD fill point fitting 3/4"	1

Chemical Probe Hose Lance



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

Enviro Coupling & Hose

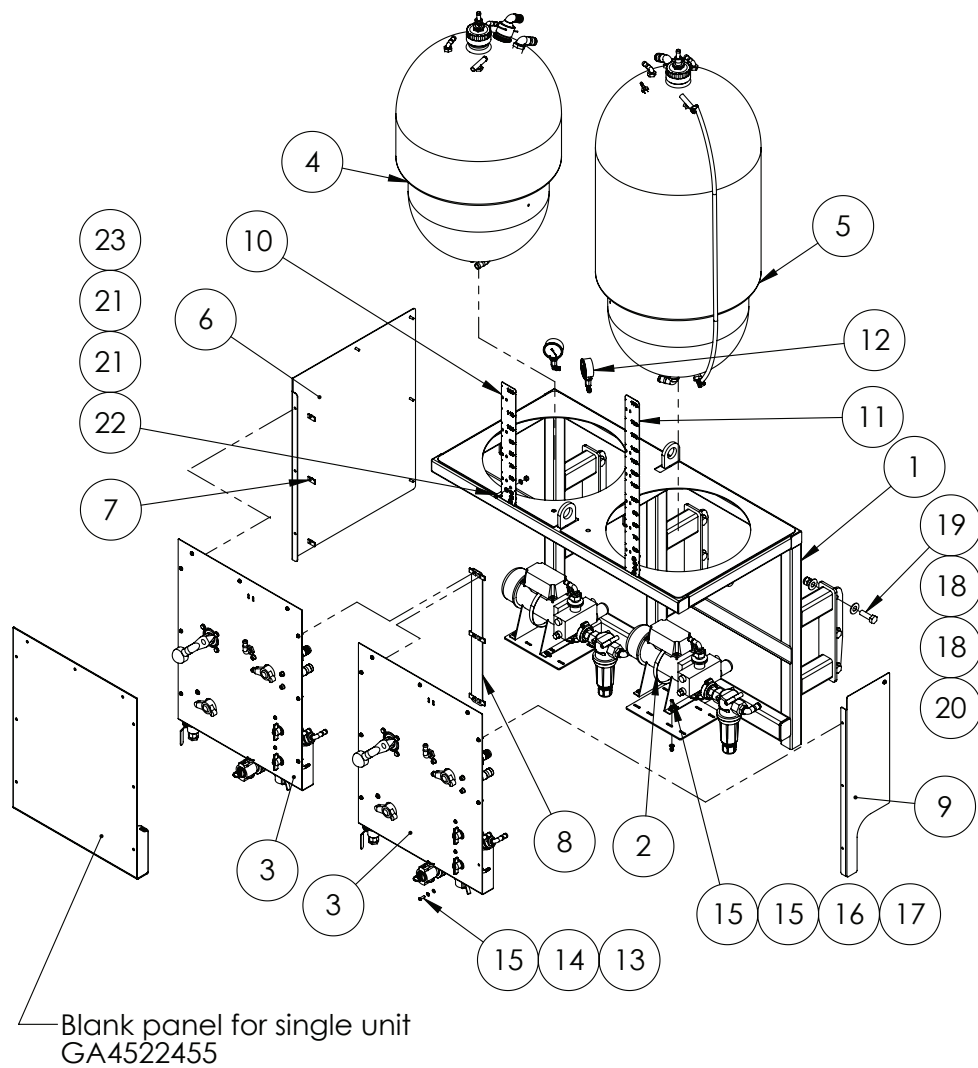


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5020600	Enviro drum / micromatic coupling with suction hose	-
1	GA5018803	Micromatic drum valve coupling, 3 pin, Viton seals	1
	GA5018799	Seal kit, Suit micromatic / enviro drum coupling GA5018803	-
2	GA5076011	Cam lever, 1" male coupling x 1" hose barb, Banjo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

Chapter 6

DIRECT CHEMICAL INJECTION

DCI Pod



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656400	Direct Injection Frame narrow	1
2	*	High Volume Pump Assembly - Dual Unit	2
3	*	Cover Plate Assembly	2
4	*	DCI Bottle - 120L Assembly	1
5	*	DCI Bottle - 165L Assembly	1

* Sub-assembly on following pages

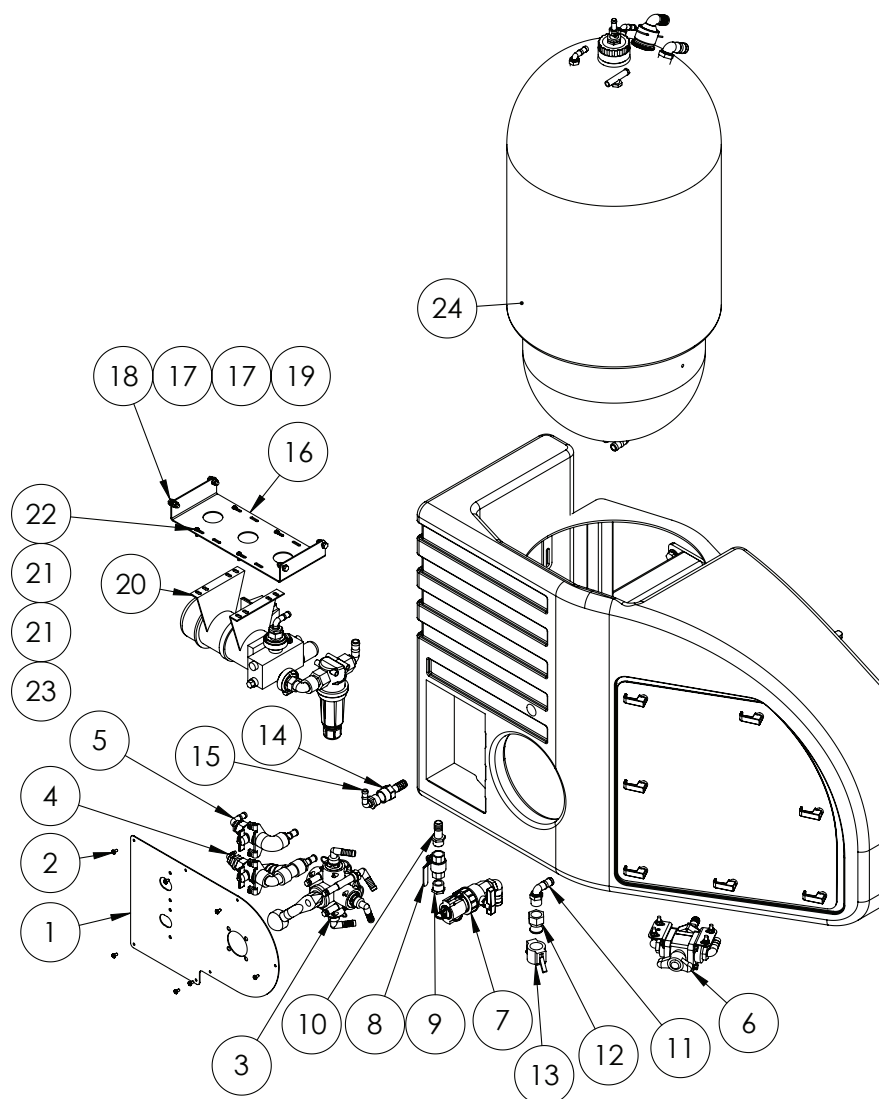
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DCI Pod

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
6	GA4502230	Cover suit direct injection (2nd unit)	1
7	GA5066830	Speed clip M6	3
8	*	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
	GA4523471	160L DCI level gauge x 2 suit dual tanks	
12	*	Vacuum Gauge Assembly	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	GA5003643	Washer 8mm Flat SS HD	8
22	GA5011473	BHCS M8 x 25 SS	4
23	GA5052590	Nut M8 Nyloc SS	4

* Sub-assembly on following pages

DCI Third 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	*	Ball Valve Assembly	1
4	*	Tank Vent Ball Valve Assembly	1
5	*	Tank Rinse Ball Valve Assembly	1
6	*	Chemical Pump Suction Valve Assembly - Third Unit	1
7	*	Chemical Probe Coupling Ball Valve Assembly	1
8	GA5018309	Valve, Ball, 12mm female thread inlet / outlet, Lever handle, SS	1
9	GA5077944	Plug, 3/4" male thread, Banjo	1
10	GA5077709	Hose barb, Straight, 3/4" male thread x 3/4" hose, Banjo	1
11	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	1
12	GA5077124	Cam lever, 3/4" male coupling x 3/4" female thread, Banjo	1
13	GA5077351	Cap, Poly pipe, 3/4", Banjo	1

* Sub-assembly on following pages

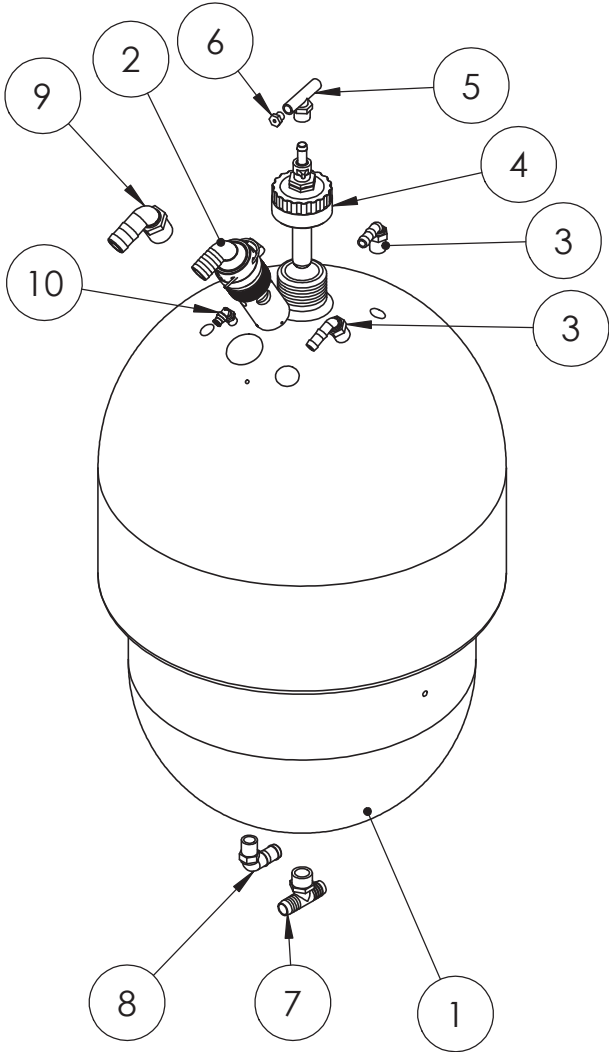
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DCI Third Unit Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
14	GA5077743	Hose barb, Straight, 3/4" female x 3/4" hose, Banjo	1
15	GA5077710	Hose barb, Elbow, 90 degree, 3/4" male thread x 1/2" hose	1
16	GA4534670	DCI 3rd pump mount	1
17	GA5003643	Washer 8mm Flat SS HD	8
18	GA5004711	Bolt M8 x 25 ZP GR8.8	4
19	GA5004917	Nut M8 Nyloc ZP	4
20	*	High Volume Pump Assembly - Third Unit	1
21	GA5004437	Washer 6mm Flat SS	8
22	GA5004053	BHCS M6 x 20 SS	4
23	GA5048115	Nut M6 Nyloc ZP	4
24	*	DCI Bottle - 120L Assembly	1
	*	DCI Bottle - 165L Assembly	

* Sub-assembly on following pages

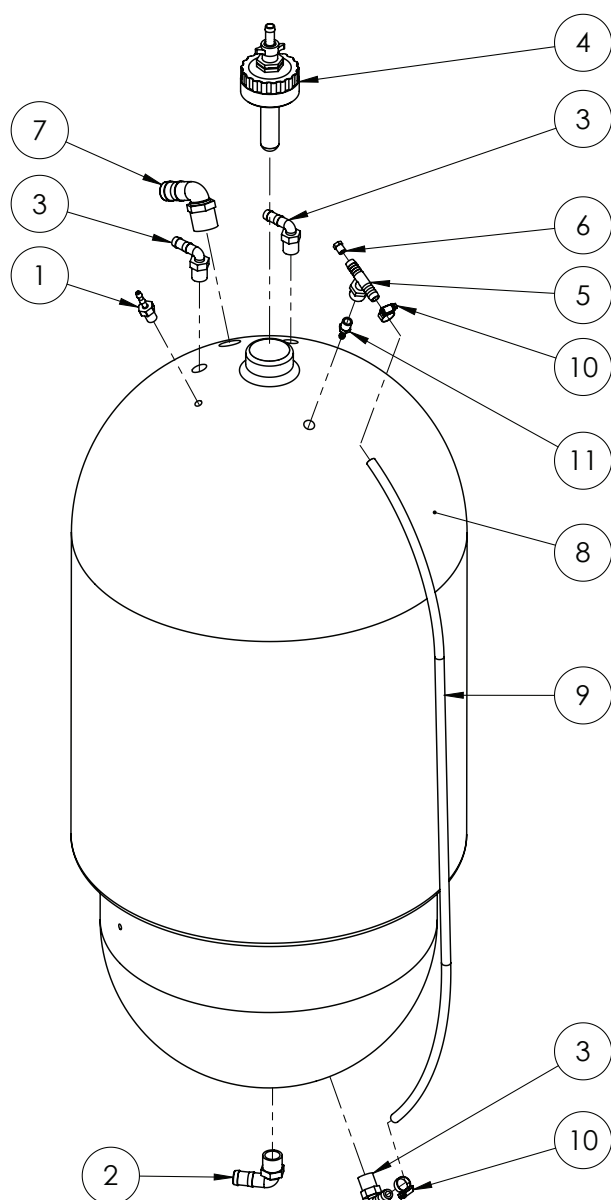
DCI Bottle - 120L Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5020635	Tank, 120L Natural, Exacta Foam/direct inject (Blank)	1
2	*	Fill Shut Off Assembly	1
3	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	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	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	1
8	GA5077704	Hose barb, Elbow, 90 degree, 1/2" male thread x 3/4" hose	1
9	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	1
10	GA5016235	Swivel Elbow push in Brass 10mm x 1/4" BSP	1

* Sub-assembly on following pages

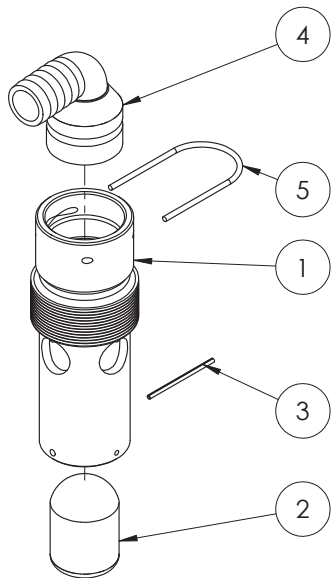
DCI Bottle - 165L Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077691	Hose barb, Straight, 1/4" male thread x 1/4" hose	1
2	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	1
3	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	3
4	*	Rinse nozzle and cap complete	1
5	GA3500391	Tee, Threaded, 1/2" male x 1/2" hose	1
6	GA5020695	1/8" Brass Hose Barb with Barb Removed	1
7	GA5077723	Hose barb 90 degree 1"	1
8	GA5018495	Tank 165 L, Natural, Direct Injection	1
9	GA2000210	Hose, 12mm, Clear, Wire reinforced	1
10	GA5000469	Hose clamp, 1/2", SS	2
11	GA5020540	Hose barb, Straight, 1/4" male thread x 1/4" hose, Brass	1

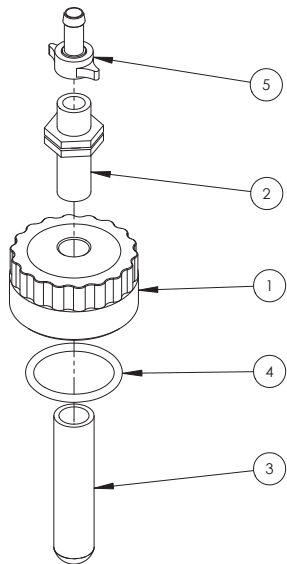
* Sub-assembly on following pages

Fill Shut Off Assembly



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

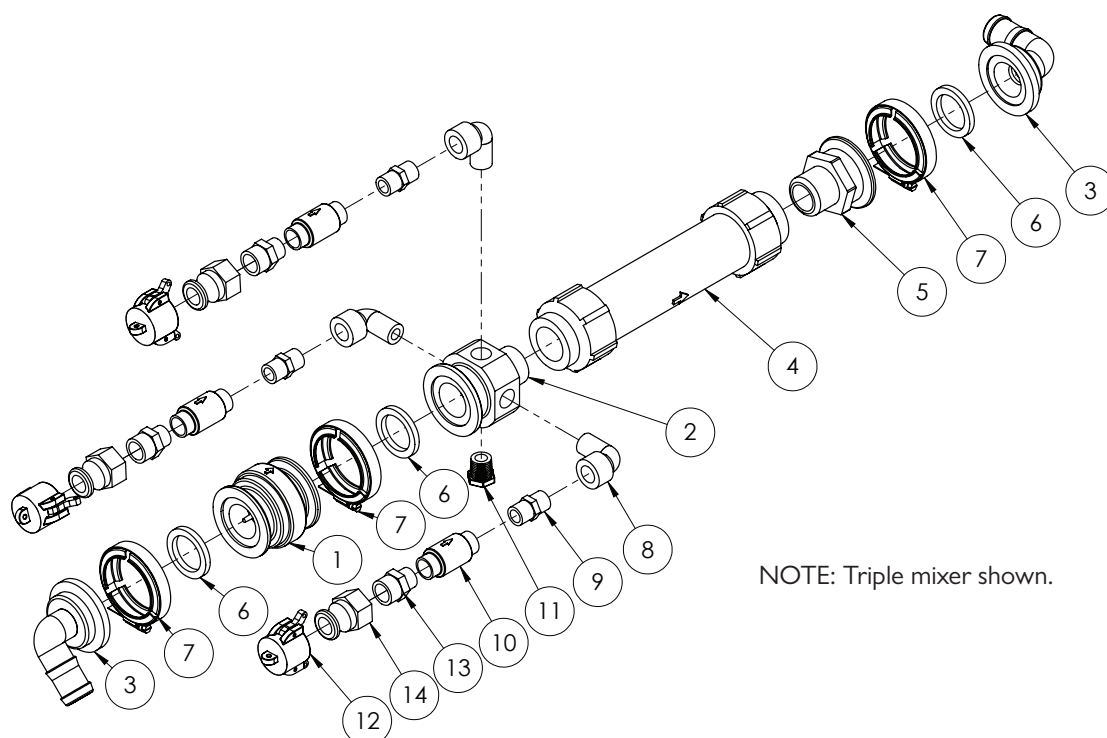
Rinse Nozzle & Cap



GA4903050 Cap, with rinse nozzle

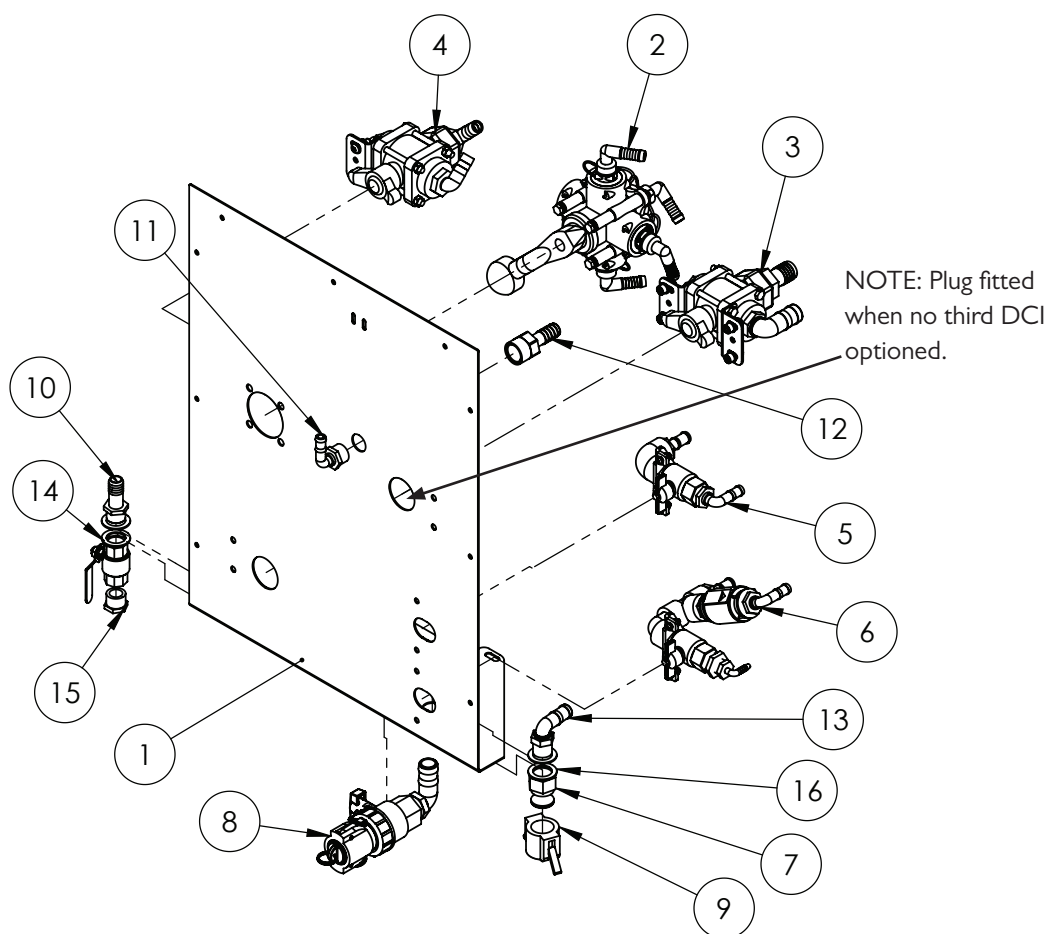
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	L055A	Cap / Lid, 80 OD, 1/2" BSPP female thread in top, Suit Transcal	1
2	GA5078408	Plumbing fitting, Nipple, 1/2", long	1
3	GA5077063	Nozzle, Drum & container rinsing, ARAG	1
4	GA5009187	O-ring, 60 x 5.5mm, suits Exacta tank cap	1
5	GA5075655	Hose barb, Brass, 13mm hose x fly nut end, ARAG	1

Mixing Chamber



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077890	Check Valve, 2" Manifold Flange	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	2
4	GA5075831	Mixer, Flow Assembly suit DCI 1 1/4" NPT, Raven	1
5	GA5077832	Plumbing adaptor, 2" flange x 1 1/4" male thread	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	3
8	GA5078133	Street elbow, 90 degree, 1/2" female thread x 1/2" male thread	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 (Triple mixer version)	1
		Plug, 1/2" male thread, Banjo (Twin mixer version)	2
		Plug, 1/2" male thread, Banjo (Single mixer version)	3
12	GA5077131	Cam lever, Female cap, 3/4", Banjo	3
13	GA5078087	Reducing nipple, 3/4" male thread x 1/2" male thread	3
14	GA5077124	Cam lever, 3/4" male coupling x 3/4" female thread	3

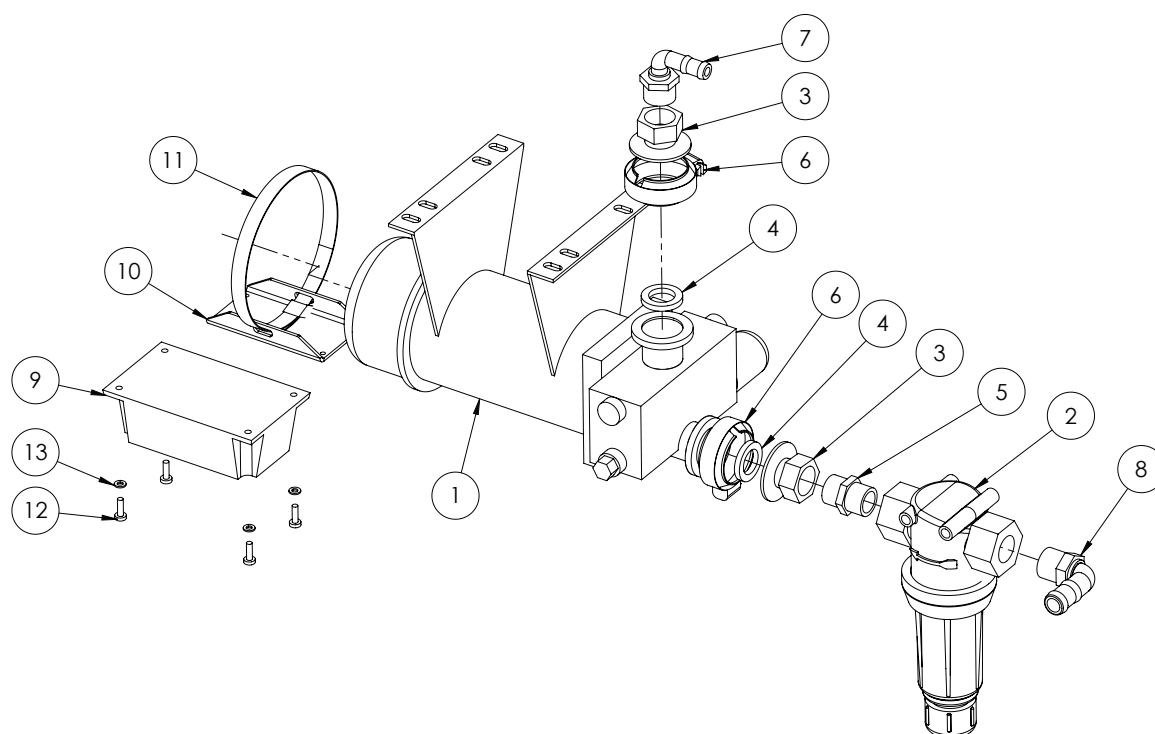
Cover Plate Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4502180	Cover for direct chem injection 2mm fms	1
2	*	Ball Valve Assembly	1
3	*	Chemical Tank Vacuum Valve Assembly	1
4	*	Chemical Pump Suction Valve Assembly - Dual Unit	1
5	*	Tank Rinse Ball Valve Assembly	1
6	*	Tank Vent Ball Valve Assembly	1
7	GA5077124	Cam lever, 3/4" male coupling x 3/4" female thread	1
8	*	Chemical Probe Coupling Ball Valve 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	1
11	GA5077710	Hose barb, Elbow, 90 degree, 3/4" male thread x 1/2" hose	1
12	GA5077743	Hose barb, Straight, 3/4" female x 3/4" hose	1
13	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	1
14	GA5018313	Valve, Ball, 20mm female thread inlet / outlet, Lever handle, SS	1
15	GA5077944	Plug, 3/4" male thread, Banjo	1
16	GA4522315	Washer, 27 ID x 40 OD x 2mm thick, SS	4

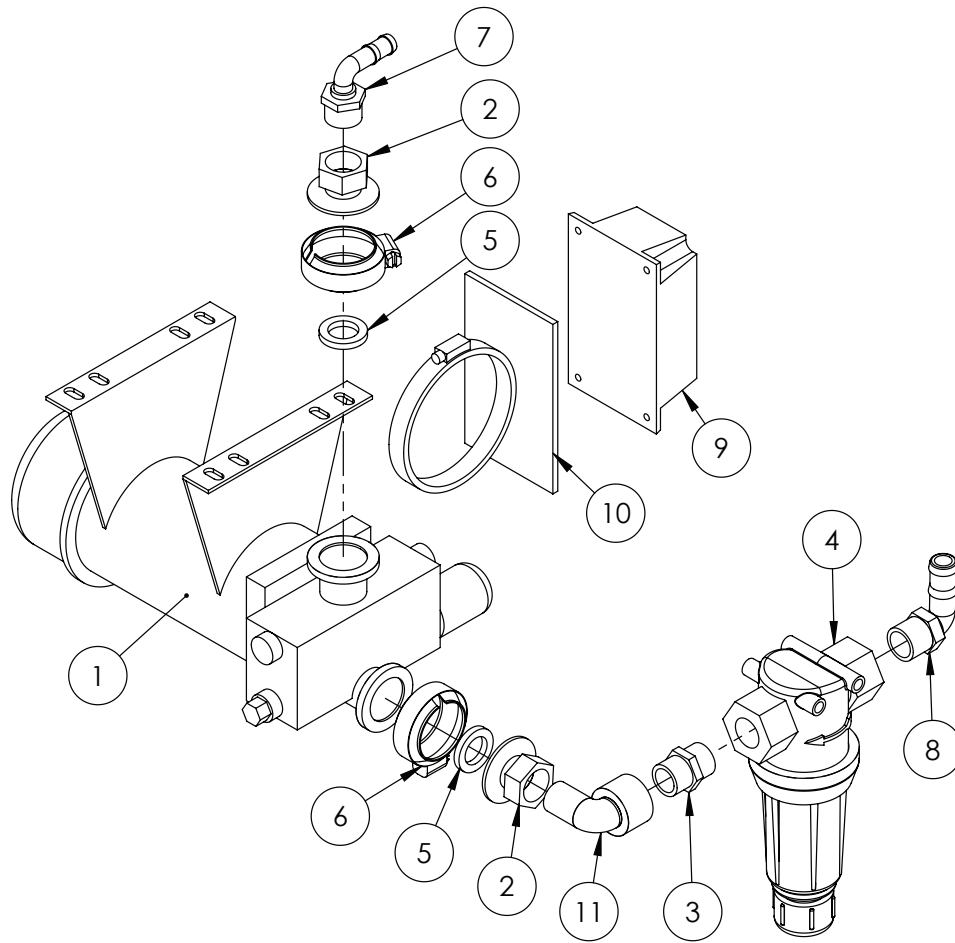
* Sub-assembly on following pages

High Volume Pump - Dual Unit



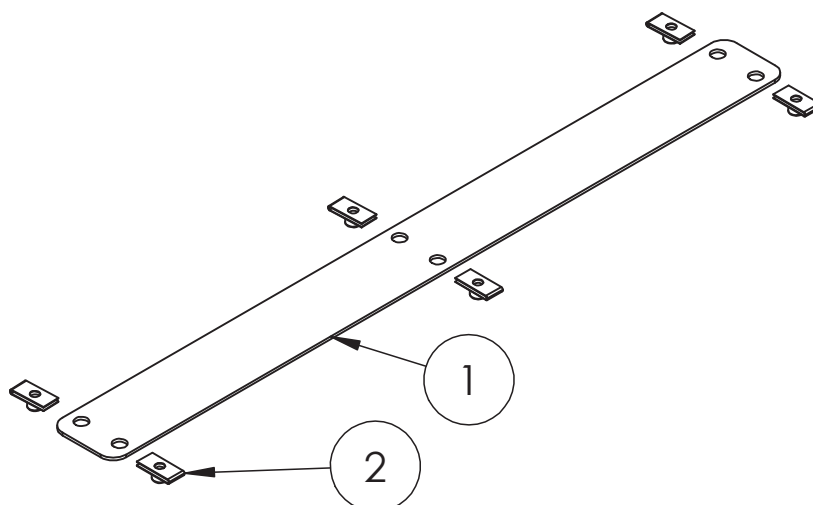
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5076028	Cover, Enclosure suit DCI Pump, Raven	-
1	GA5075914	Pump, DCI Injection, 5-200 oz/min (high vol), 3/4", Raven	1
	GA5075924	Pump, DCI Injection, 1-40 oz/min (low vol), 3/4", Raven	1
2	GA5077271	Filter, 3/4" female thread inlet / outlet, Orange 200 mesh screen	1
3	GA5077804	Coupling, 1" flange x 3/4" female thread, Banjo	2
4	GA5009341	Gasket camlock nitrile 3/4"	2
5	GA5077913	Nipple, 3/4" male x 3/4" male, Short, Banjo	1
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	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	1
9	GA5075919	Node, DCI Pump, CAN, Raven	1
10	GA4537345	Bracket, CAN node mount suit DCI pump, Raven	1
11	GA5053945	Hose Clamp Quick release 51mm - 130mm (PK 10)	1
12	GA5003977	Bolt M5 x 16 Pan Head SS A2-70	4
13	GA5003983	Washer 5mm Flat SS	4

High Volume Pump - Third Unit



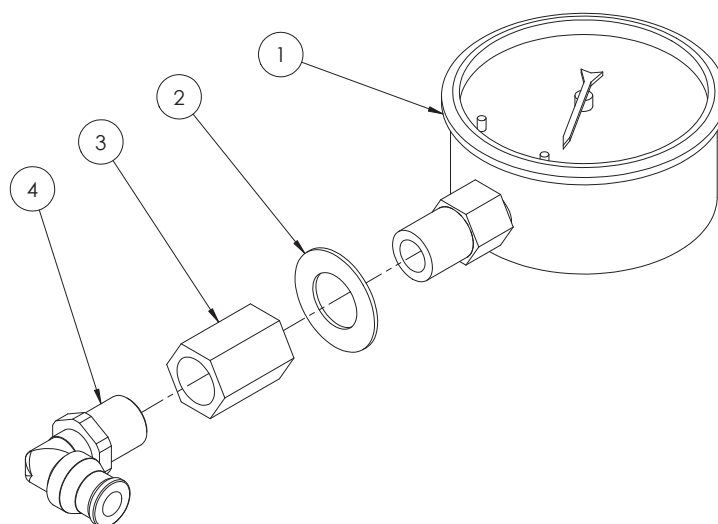
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075914	Pump, DCI Injection, 5-200 oz/min (high vol), 3/4", Raven	1
2	GA5077804	Coupling, 1" flange x 3/4" female thread, Banjo	2
3	GA5077913	Nipple, 3/4" male x 3/4" male, Short, Banjo	1
4	GA5077271	Filter, 3/4" female thread inlet / outlet, Yellow 30 mesh screen	1
5	GA5009341	Gasket kamlock nitrile 3/4" (FIT 075)	2
6	GA5077664	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	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	1
9	GA5075919	Node, DCI Pump, CAN, Raven	1
10	GA5076311	Bracket, CAN node mount suit DCI pump, Raven	1
11	GA5078135	Street elbow, 90 degree, 3/4" female thread x 3/4" male thread	1

Panel Alignment Strip



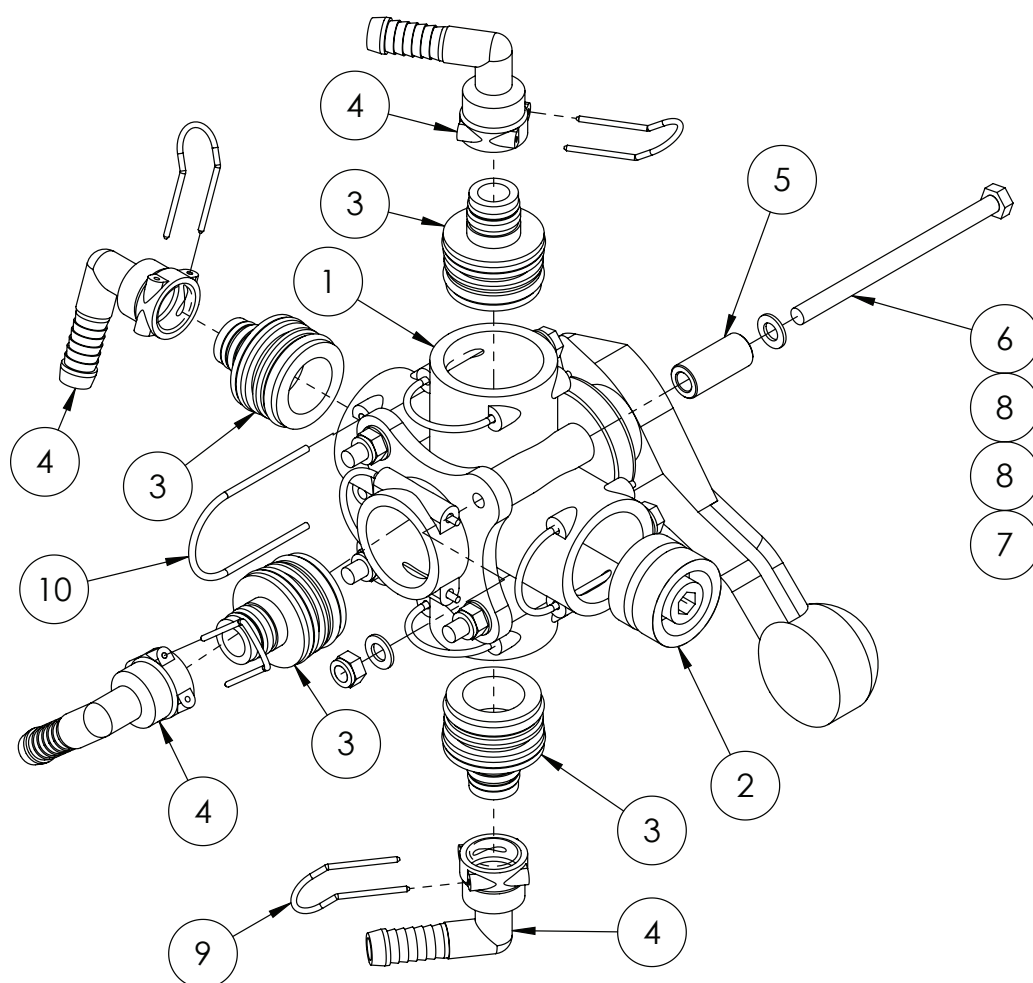
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4502235	Direct injection alignment strip	1
2	GA5066830	Speed clip M6	6

Vacuum Gauge Assembly



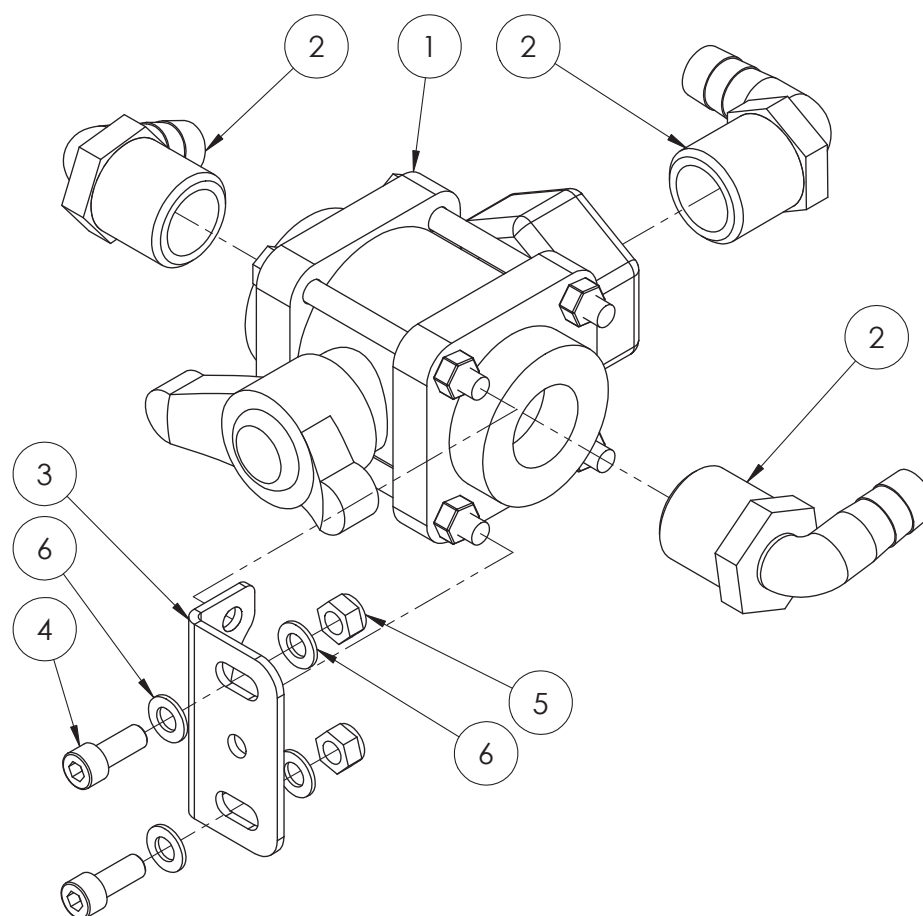
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5051030	Gauge small Vacuum -100-0 kpa	1
2	GA5017641	Washer 1/2" x 1" x 16g Flat SS	1
3	GA5066940	Socket, 1/4" female thread, Hex, Brass	1
4	GA5016235	Swivel Elbow push in Brass 10mm x 1/4" BSP	1

Ball Valve Assembly



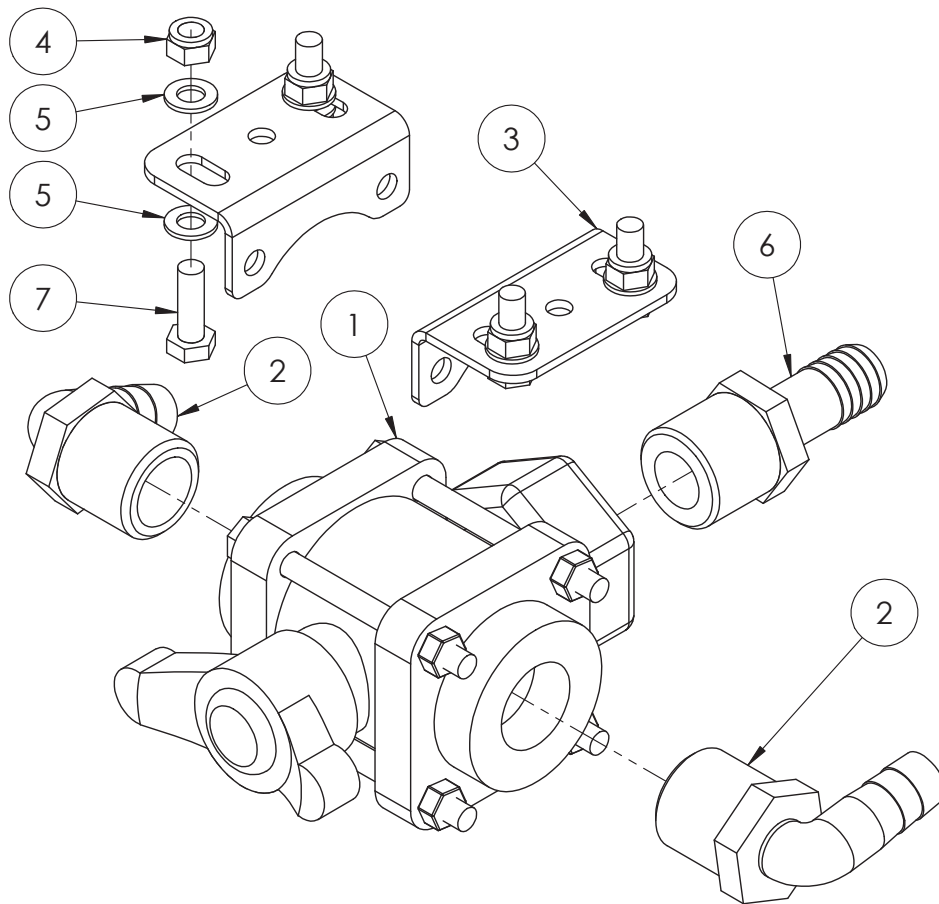
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5065531	Handle, Red plastic, Suit 5 way ball valve, Altek	-
1	GA5065530	Valve,Ball, 5 x AS40 female inlet / outlets, Lever handle, Altek	1
2	GA5065680	Plug, AS40 male, Altek	1
3	GA5065605	Plug in adapter, AS40 x AS24, Altek	4
4	GA5065750	Hose barb, Elbow, 90 degree, AS24 female x 15mm hose, Altek	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	GA5003643	Washer 8mm Flat SS HD	4
9	GA5065695	Safety pin AS24	4
10	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	5

Chemical Pump Suction Valve - Dual Unit



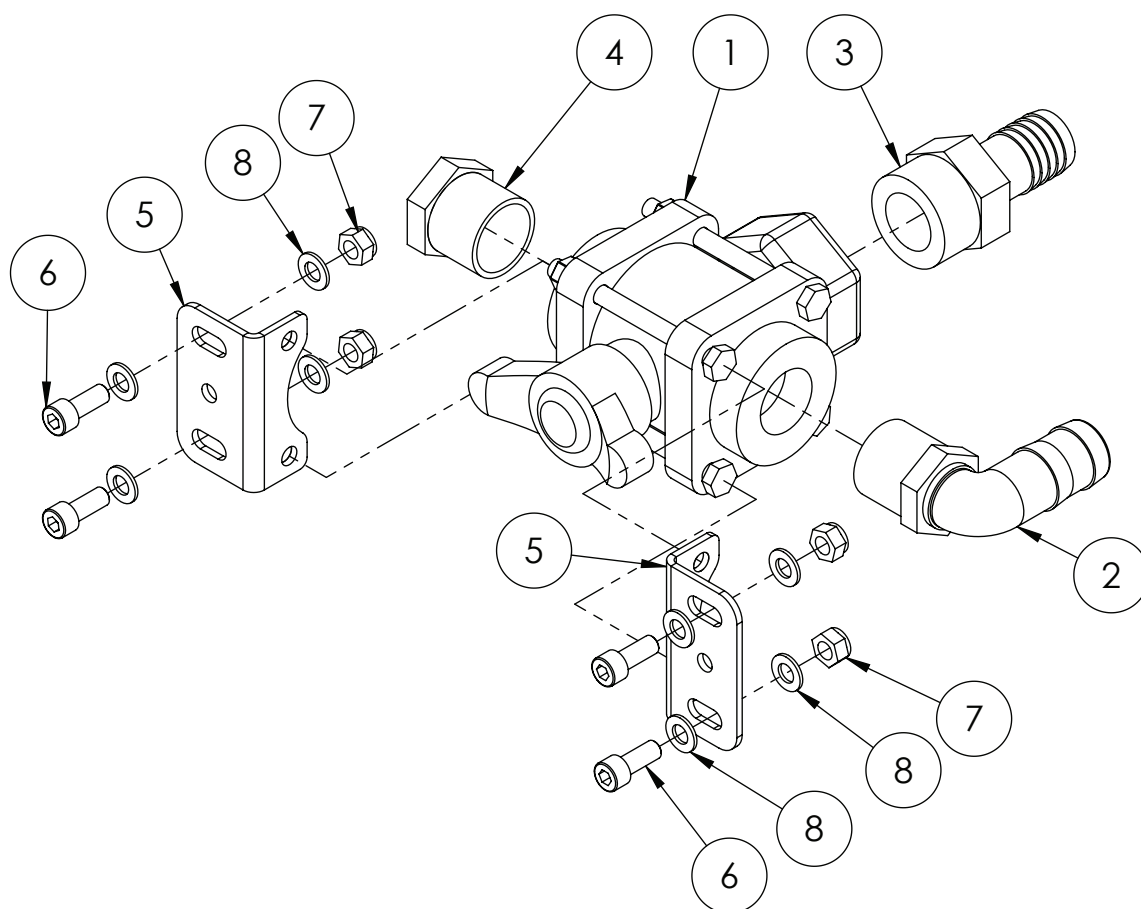
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078177	Valve, Ball, 3 way, 1 female thread inlet / outlet, Bottom port, Butterfly handle, Banjo	1
2	GA5077719	Hose barb, Elbow, 90 degree, 1" male thread x 3/4" hose	3
3	GA4502210	Mounting plate, to suit ball valve	1
4	GA5004707	SHCS M8 x 20 ZP GR12.9	2
5	GA5004917	Nut M8 Nyloc ZP	2
6	GA5003643	Washer 8mm Flat SS HD	4

Chemical Pump Suction Valve - Third Unit



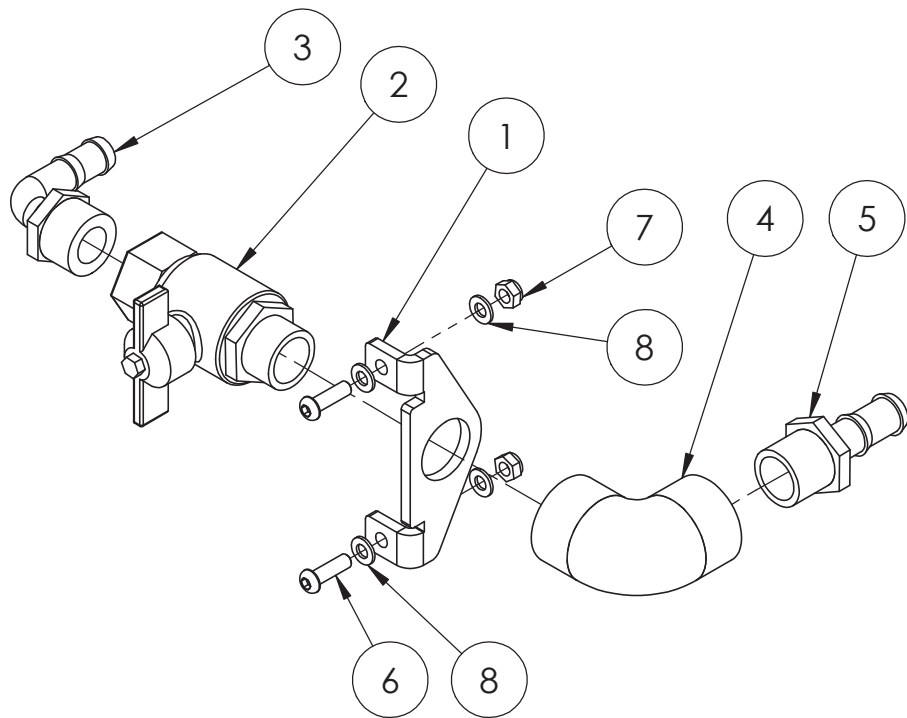
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078177	Valve, Ball, 3 way, 1 female thread inlet / outlet, Bottom port, Butterfly handle, Banjo	1
2	GA5077719	Hose barb, Elbow, 90 degree, 1" male thread x 3/4" hose, Banjo	2
3	GA4502210	Mounting plate, to suit ball valve	2
4	GA5004917	Nut M8 Nyloc ZP	4
5	GA5003643	Washer 8mm Flat SS HD	8
6	GA5077709	Hose barb, Straight, 3/4" male thread x 3/4" hose, Banjo	1
7	GA5004711	Bolt M8 x 25 ZP GR8.8	4

Chemical Tank Vacuum Valve Assembly



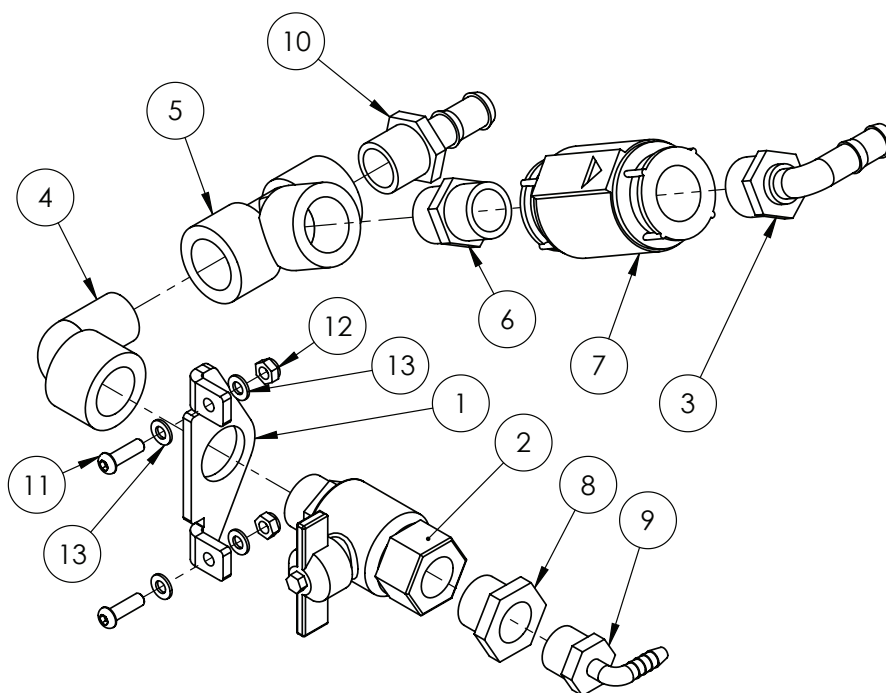
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078177	Valve, Ball, 3 way, 1" female thread inlet / outlet, Bottom port, Butterfly handle, Banjo	1
2	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo	1
3	GA5077718	Hose barb, Straight, 1" male thread x 1" hose, Banjo	1
4	GA5077945	Plug, 1" male thread, Banjo	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	GA5003643	Washer 8mm Flat SS HD	8

Tank Rinse Ball Valve Assembly



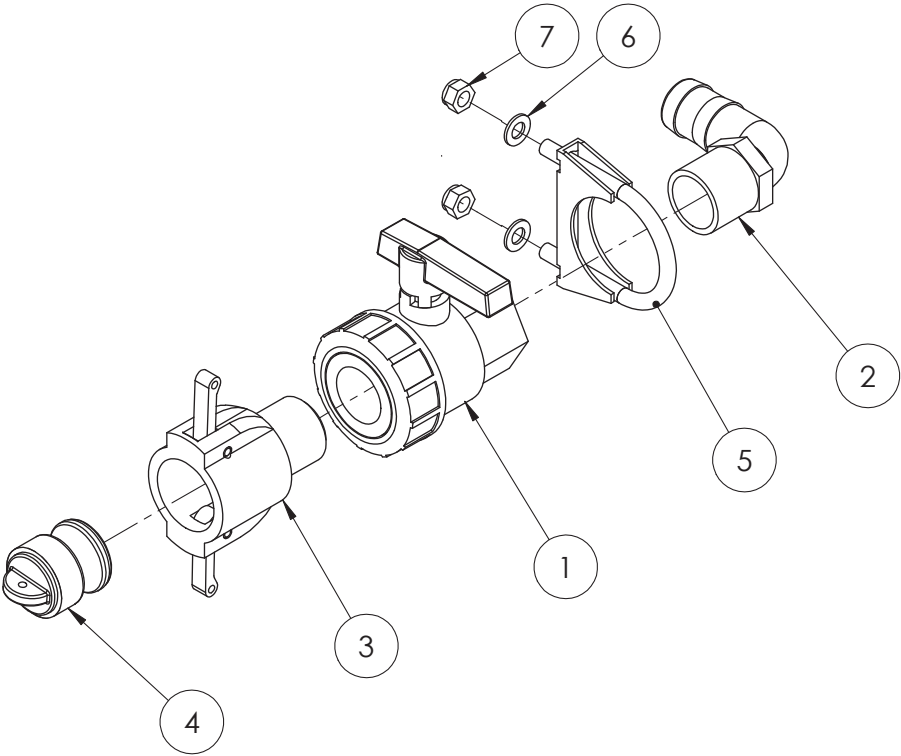
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70648A	Tap mounting plate	1
2	GA5018315	Valve, Ball, 20mm male & female thread, Black Butterfly handle	1
3	GA5077710	Hose barb, Elbow, 90 degree, 3/4" male thread x 1/2" hose	1
4	GA5077653	Street elbow, 90 degree, 3/4" female thread, Banjo	1
5	GA5077713	Hose barb, Straight, 3/4" male thread x 1/2" hose, Banjo	1
6	GA5004053	BHCS M6 x 20 SS A2-70	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 Assembly



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	1
4	GA5078135	Street elbow, 90 degree, 3/4" female thread x 3/4" male thread	1
5	GA5078150	Tee, Threaded, 3/4" female, Banjo	1
6	GA5078087	Reducing nipple, 3/4" male thread x 1/2" male thread	1
7	GA5051380	Valve, Check, 1/2" female thread inlet / outlet, SS, 200 PSI maximum	1
8	GA5078010	Reducing bush, 3/4" male thread x 1/2" female thread	1
9	GA5077656	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/4" hose	1
10	GA5077713	Hose barb, Straight, 3/4" male thread x 1/2" hose	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 Valve Assembly

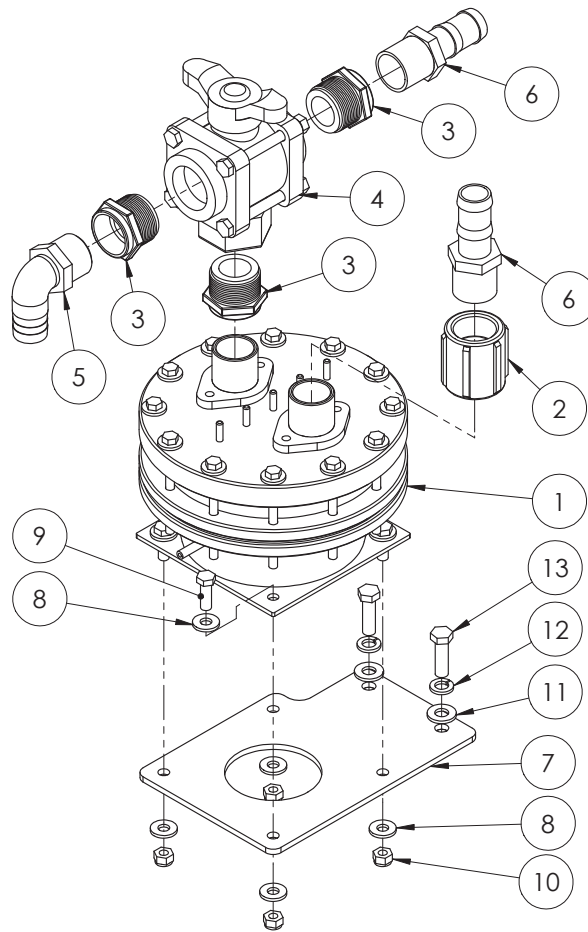


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078164	Valve, Ball, 1 female thread inlet / outlet, Full port, Lever handle	1
2	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo	1
3	GA5076007	Cam lever, 1" female coupler, 1" male thread, Banjo	1
4	GA5076013	Cam lever, Male plug, 1", Banjo	1
5	GA5006705	Exhaust clamp C8 2"	1
6	GA5003643	Washer 8mm Flat SS HD	2
7	GA5052590	Nut M8 Nyloc SS	2

Chapter 7

DUAL PRODUCT

Ramsay Valve Assembly



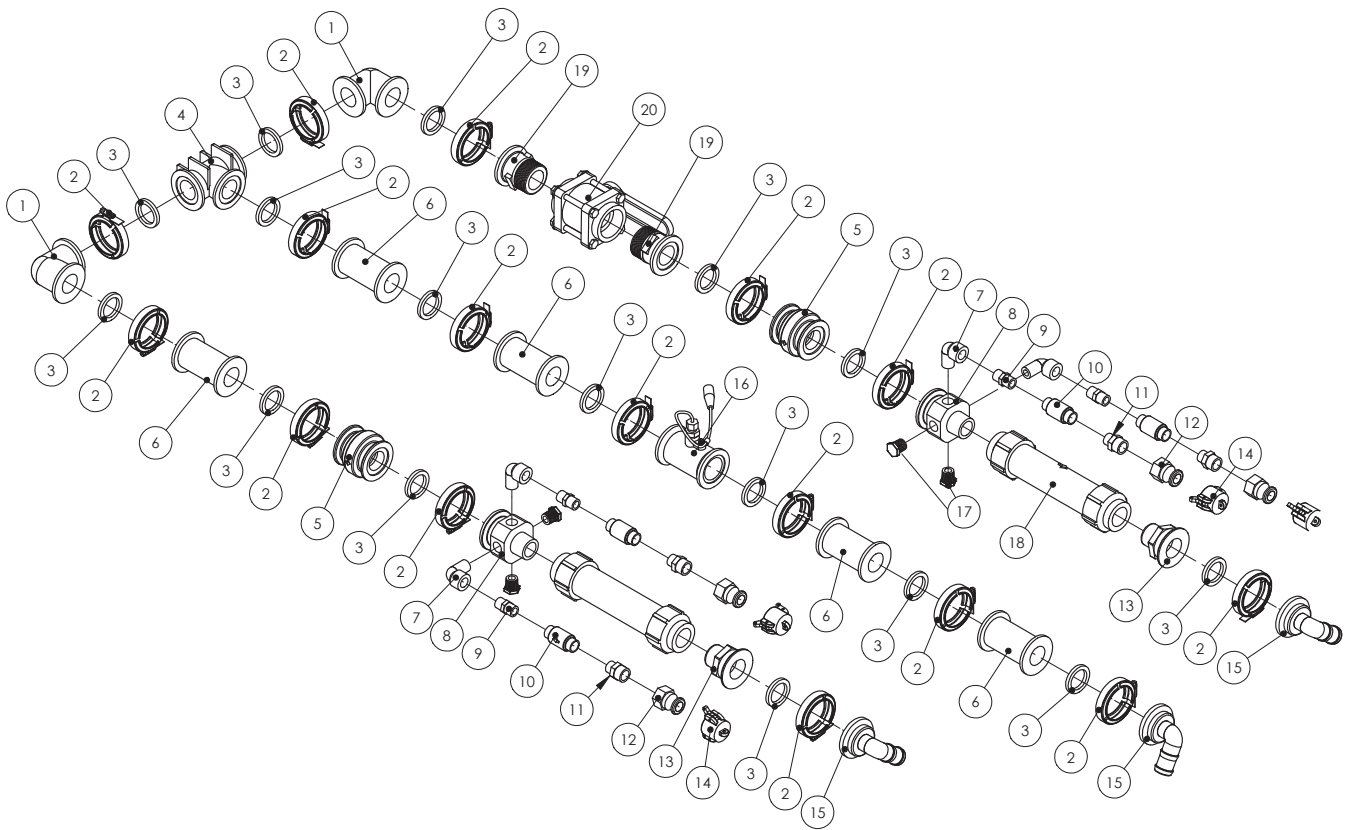
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5061045	Replacement Diaphragm Kit	-
1	GA5010315	Valve, Pressure regulating, High pressure 1 1/4", Viton seals, Ramsay Nocton	1
2	GA5077639	Coupling, socket, 1 1/4" female thread, Banjo	1
3	GA5078019	Reducing bush, 1 1/2" male thread x 1 1/4" female thread	3
4	GA5078186	Valve, Ball, 3 Way, Bottom Load, 1 1/2" NPT Female	1
5	GA5077730	Hose barb, Elbow, 90 degree, 1 1/4" male thread x 1 1/4" hose	1
6	GA5077724	Hose barb, Straight, 1 1/4" male thread x 1 1/4" hose, Banjo	2
7	GA4522105	Ramsay valve chassis mount plate	1
8	GA5000117	Washer 10mm Flat SS HD	8

Continued over page

Ramsay Valve Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
9	GA5065455	Bolt M10 x 30 ZP GR8.8	4
10	GA5000141	Nut M10 Nyloc ZP	4
11	GA5000577	Washer 12mm Flat SS HD	2
12	GA5000575	Washer 12mm Spring SS	2
13	GA5066895	Bolt M12 x 40 ZP GR8.8	2

Dual Product & DCI Mixer



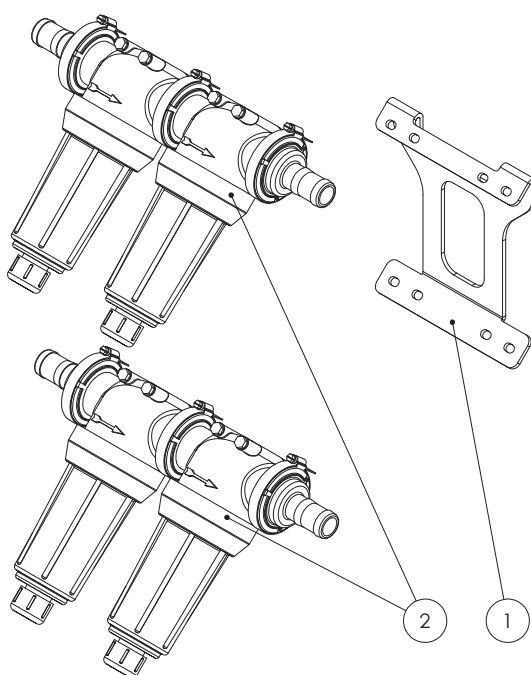
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077843	Elbow, 90 degree, Short, 2" flange x 2" flange, Banjo	2
2	FC200	Clamp, Worm screw, Use with 2" standard flange port, Banjo	16
3	GA5009335	Seal, 41.5 ID x 55 OD x 6.5mm thick, EPDM, suit 1 1/2" flange	16
4	GA5077854	2" Flanged Tee Fitting	1
5	GA5077890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

Continued over page

Dual Product & DCI Mixer

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
10	GA5051380	Valve, Check, 1/2" female thread inlet / outlet, SS, 200psi maximum	4
11	GA5078087	Reducing nipple, 3/4" male thread x 1/2" male thread, Banjo	4
12	GA5077124	Cam lever, 3/4" male coupling x 3/4" female thread, Banjo	4
13	GA5077832	Plumbing adaptor, 2" flange x 1 1/4" male thread, Banjo	2
14	GA5077131	Cam lever, Female cap, 3/4", Banjo	4
15	GA5077831	Hose barb, Elbow, 90 degree, 2" flange x 1 1/4" hose, Banjo	3
16	GA5075873	Flowmeter, RFM60P, Raven	1
17	GA5077943	Plug, 1/2" male thread, Banjo	4
18	GA5075831	Mixer, Flow Assembly suit DCI, 1 1/4" NPT, Raven	2
19	GA5077839	Connector, Manifold, 2" BSP, Male	2
20	GA5078188	Valve, Bolted, 2" female thread inlet / outlet, Lever handle	1

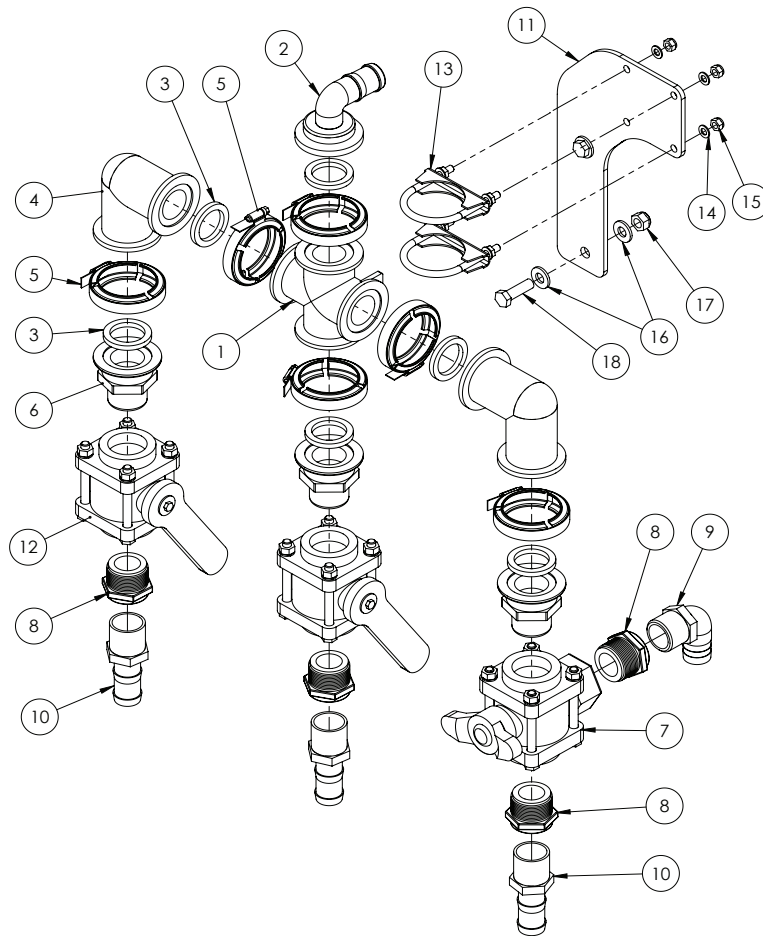
Dual Pressure Filters



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4657155	Dual pressure filter mount	1
2	^	Dual Pressure Filter Assembly	2

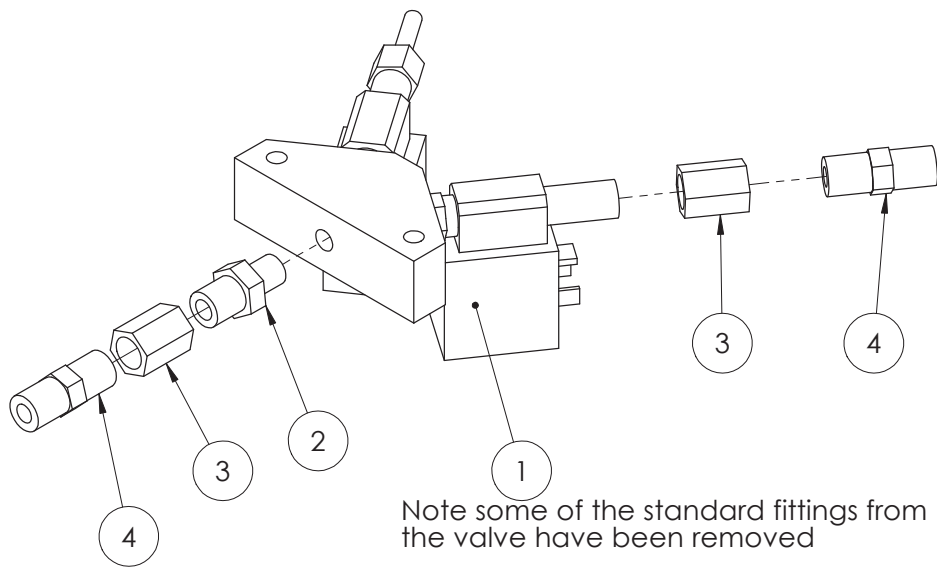
^ See Chapter 19 'Plumbing' for sub-assembly.

Dual Product Manifold



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077844	2" Flanged Cross	1
2	GA5077831	Hose barb, Elbow, 90 degree, 2" flange x 1 1/4" hose, Banjo	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	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	3
7	GA5078186	Valve, Ball, 3 Way, Bottom Load, 1 1/2" NPT Female	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	1
10	GA5077724	Hose barb, Straight, 1 1/4" male thread x 1 1/4" hose, Banjo	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	2
13	GA5006689	Clamp Exhaust 2 5/8" (C12)	2
14	GA5003643	Washer 8mm Flat SS HD	4
15	GA5052590	Nut M8 Nyloc SS	4
16	GA5000577	Washer 12mm Flat SS HD	4
17	GA5012461	Nut M12 Nyloc ZP	2
18	GA5066895	Bolt M12 x 40 ZP GR8.8	2

Twin Solenoid Assembly

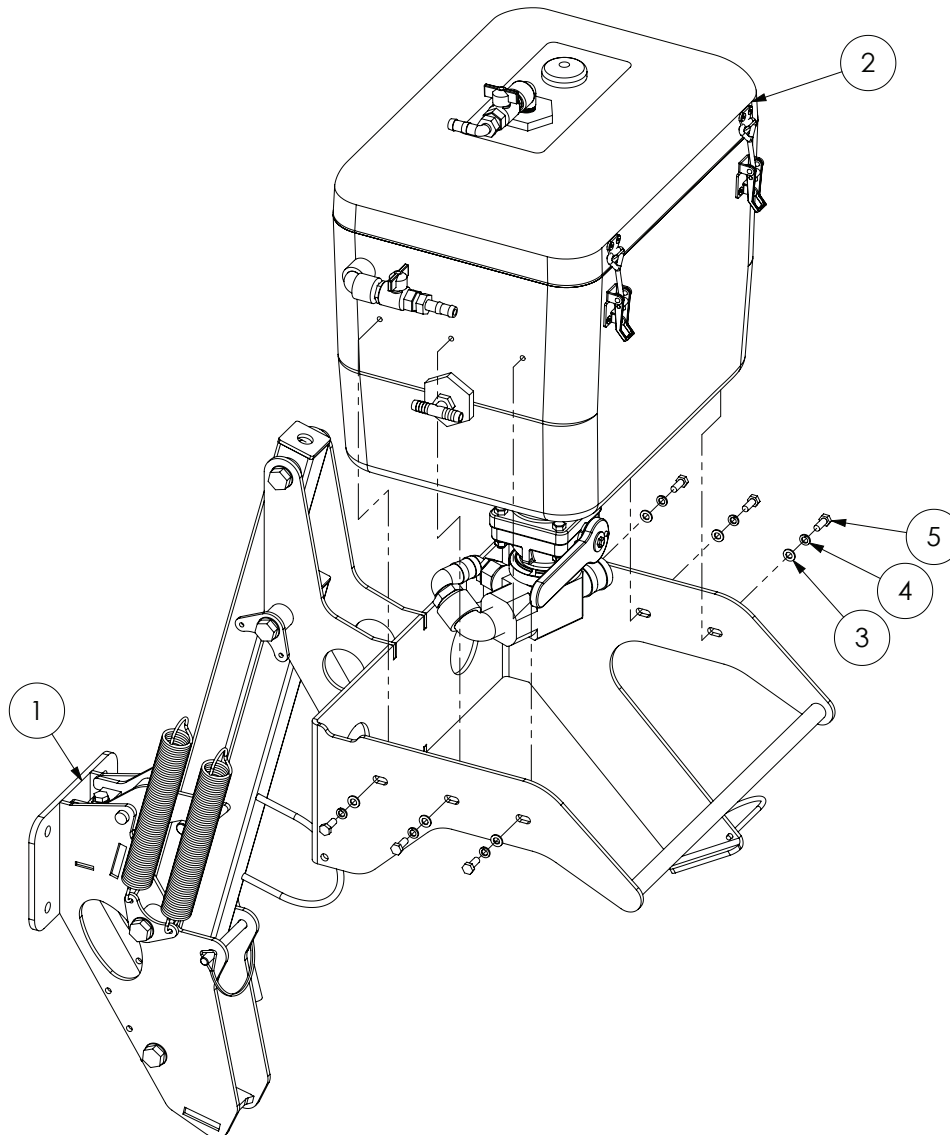


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5061055	Ramsay twin solenoid valve assembly	1
2	GA5013809	Reducing Nipple 1/4" x 1/8"	1
3	GA5066940	Socket, 1/4" female thread, Hex, Brass	2
4	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSP x 1/4" BSP	2

Chapter 8

INDUCTION HOPPER

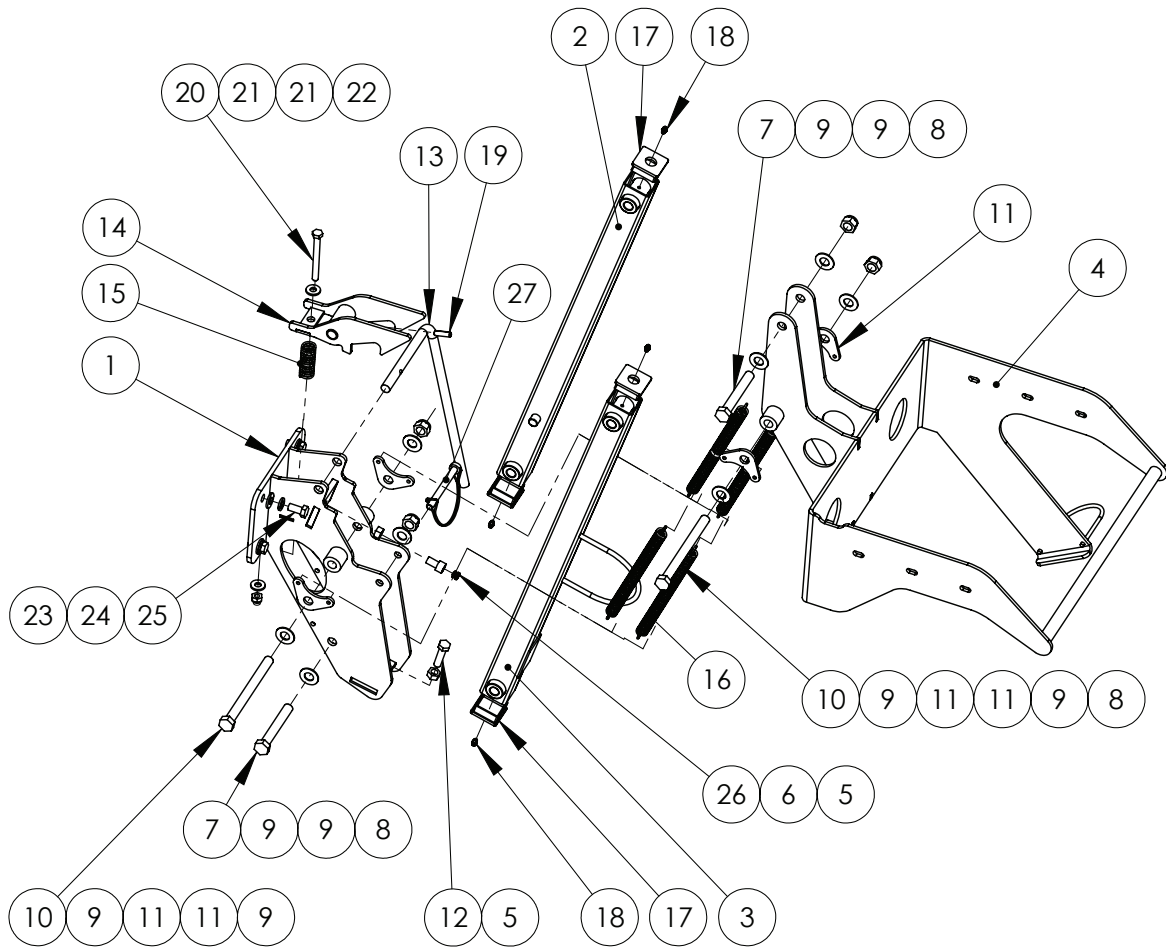
Induction Hopper - 60L



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	*	Induction Hopper - Frame Assembly	1
2	*	Induction Hopper - Tank Assembly	1
3	GA5003643	Washer 8mm HD	6
4	GA5004919	Washer 8mm Spring SS	6
5	GA5004085	Bolt M8 x 20 GR8.8 ZP	6

* Sub-assembly on following pages

Induction Hopper - Frame Assembly



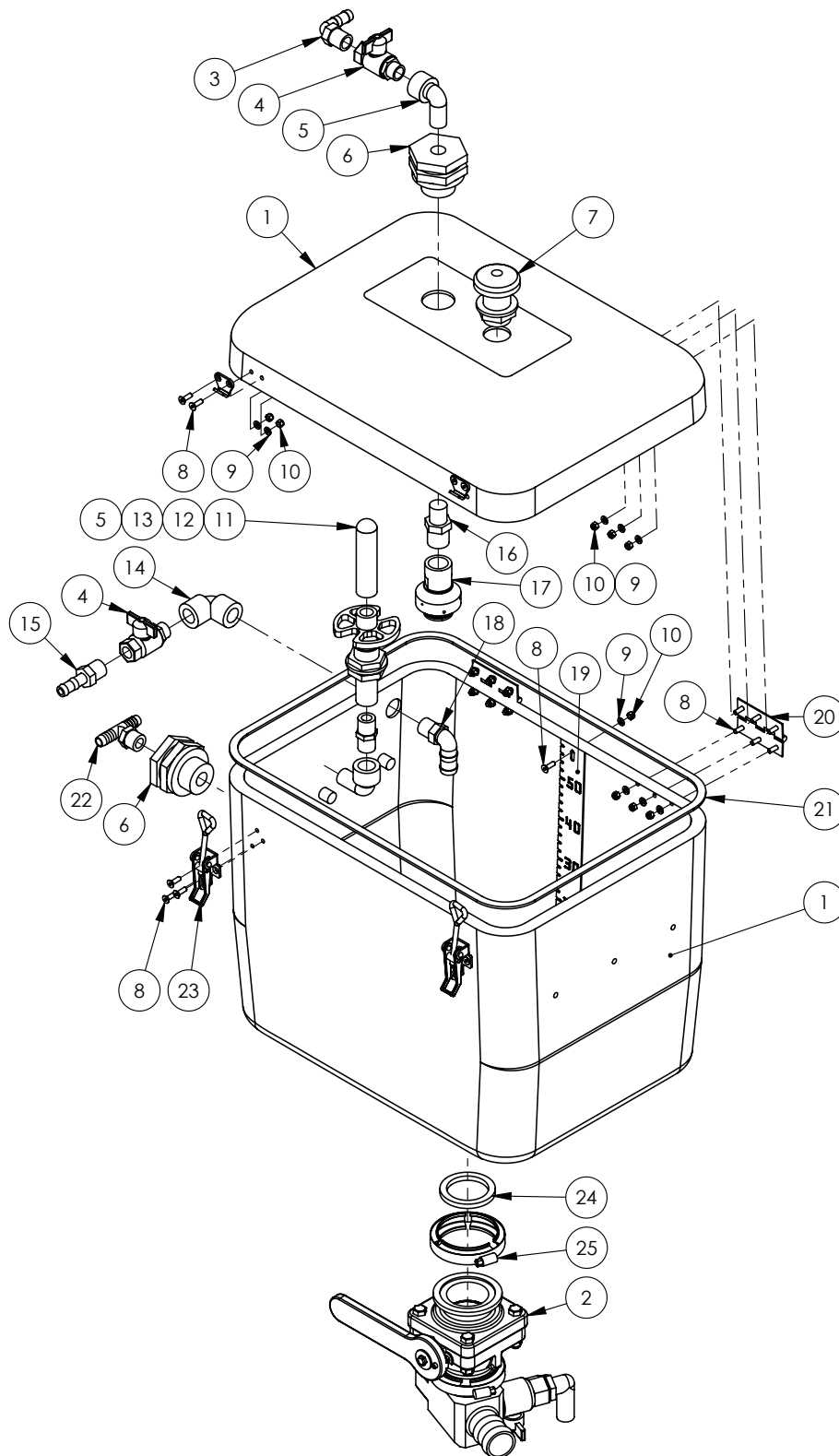
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4653420	Induction Hopper Chassis Mount Advance	1
2	GA4653440	Induction Hopper Arm Upper Advance	1
3	GA4653445	Induction Hopper Arm Lower Advance	1
4	GA4656855	Induction Hopper tank support 60L suit EF range	1
5	GA5000559	Nut M12 Hex ZP	2
6	GA5050330	SHCS M12 x 20 ZP GR12.9	1
7	GA5000855	Bolt M16 x 110 GR8.8 ZP	2
8	GA5001029	Nut M16 Nyloc ZP	4
9	GA5001043	Washer 16mm Flat SS HD	8
10	GA5000879	Bolt M16 x 180 GR8.8 ZP	2
11	GA4522294	Mounting plate, Double induction hopper spring	4
12	GA5000327	Set Screw M12 x 45 GR8.8 ZP	1
13	GA4699435	Handle, Induction Hopper Latch Arm	1
14	GA4653490	Induction Hopper Latch Advance	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
17	GA5003783	End cap, Insert, Black, Plastic, 50 x 50 mm	4

Continued over page

Induction Hopper - Frame Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
18	GA5012203	Grease nipple, Short, 1/4" UNF	4
19	GA5075130	Roll pin M8 x 30mm coated	1
20	GA5006091	Bolt M10 x 100 GR8.8 ZP	1
21	GA5000117	Washer 10mm Flat SS Heavy Duty	2
22	GA5000141	Nut M10 Nyloc ZP	1
23	GA5000577	Washer 12mm Flat SS HD	4
24	GA5000575	Washer 12mm Spring SS	4
25	GA5011229	Bolt M12 x 25 GR8.8 ZP	4
26	GA5052905	Insert, suit 12mm Hole, Black, plastic	1
27	GA5048380	Pin, 11mm OD shaft, Spring Steel wire loop lock, Yellow zinc	1

Induction Hopper - Tank Assembly



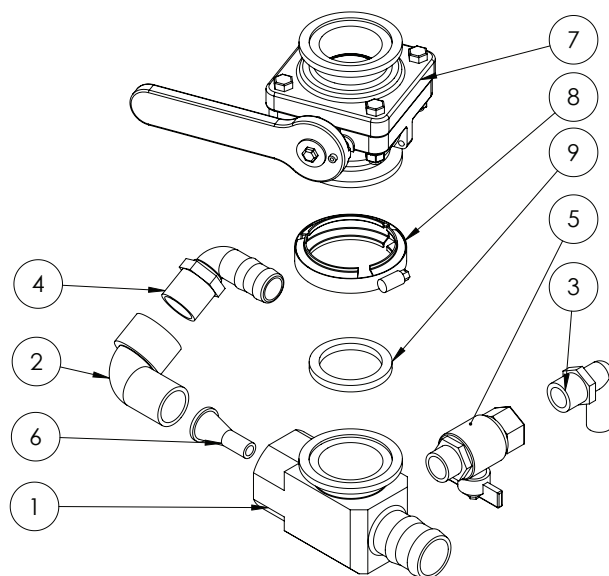
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Induction Hopper - Tank Assembly

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

* Sub-assembly on following pages

Hopper Bottom - 2" Flanged



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

Chapter 9

FOAM MARKER

Not Fitted

Chapter 10

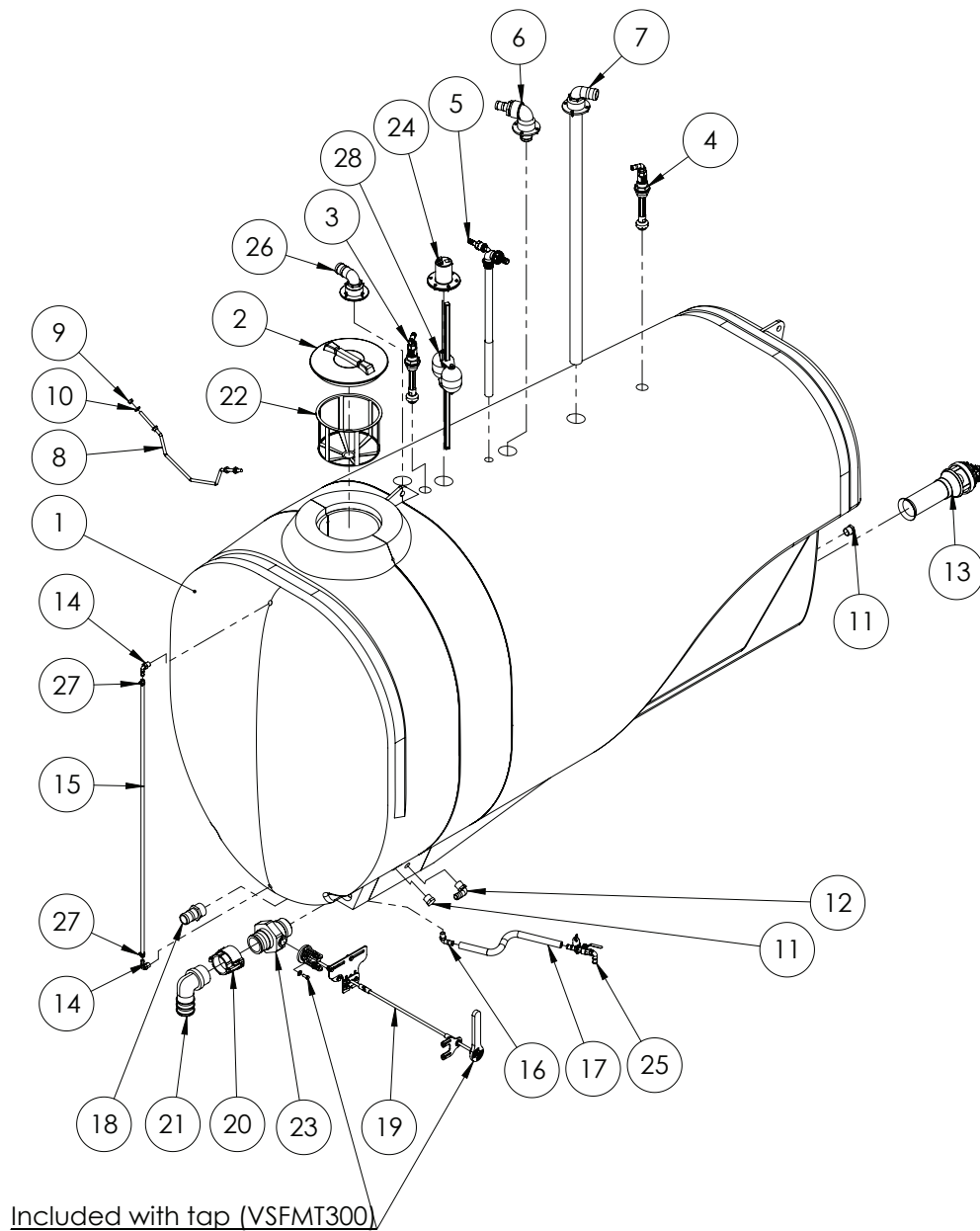
TRANSCAL

Not Fitted

Chapter II

MAIN TANK

Tank Assembly - 4000/5000L



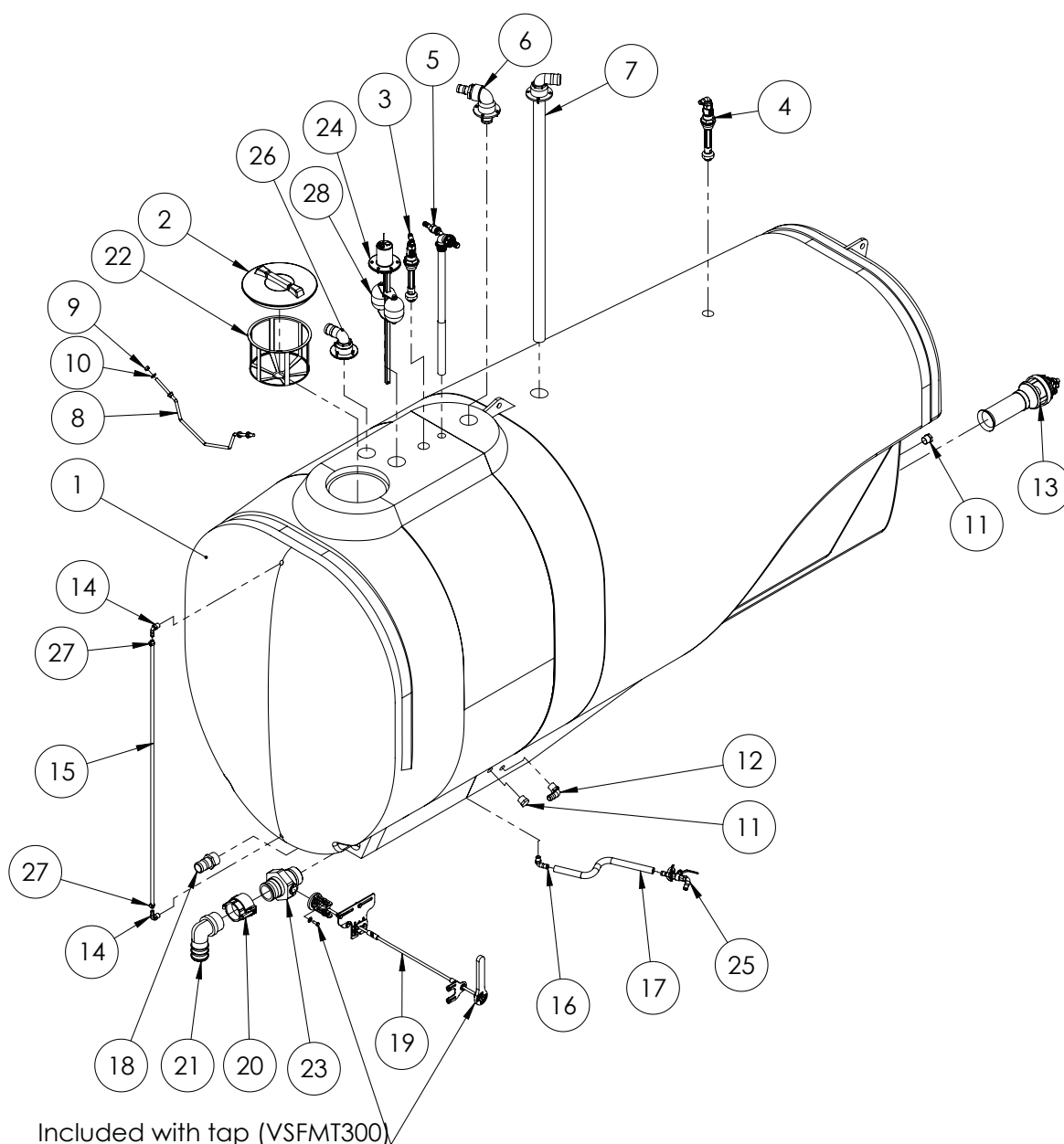
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Tank Assembly - 4000/5000L

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070030	Tank, 5000L, Bare	1
	GA5070200	Tank, 4000L, Bare	
2	GA5076877	Lid, Black Plastic, Diameter 355 mm, With breather	1
	GA5076880	Lid, Black, Without breather, Medium, Diameter 355 mm	
	GA5076876	Breather, Diameter 140 mm, Suit Diameter 355 mm tank lid	
3	*	Tank Rinsing Nozzle - Tee Assembly	1
4	*	Tank Rinsing Nozzle - Elbow Assembly	1
5	*	Venturi Filler Assembly	1
6	*	Hopper Tank Inlet	1
7	*	Tank Fill - 2"	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	2
12	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo	1
13	*	Supermix Agitator Assembly	1
14	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	2
15	GA2000209	Hose, Clear, 12mm, Sight tube	1
16	GA5077704	Hose barb, Elbow, 90 degree, 1/2" male thread x 3/4" hose	1
17	GA2000216	Hose, Pressure, 20mm, Black 250psi	1
18	GA5077737	Hose barb, Straight, 2" male thread x 2" hose, Banjo	1
19	*	Remote Drain - 4000-6500L	1
20	GA5076720	Cam lever, 3" female coupling x 3" female thread - NSPT thread	1
21	GA5077742	Hose barb, Elbow, 90 degree, 3" male thread x 3" hose	1
22	GA5076714	Filter, Basket type, Diameter 305 x 245 mm deep	1
23	GA5078204	3" NPT Male x 3" Male adaptor Long Handle (VSFMT300)	1
24	*	Dry sight tube - Locating Cap Assembly	1
25	*	Sump Drain Valve	1
26	*	Outlet - Tank Overflow 2"	1
27	GA5000469	Hose clamp, 1/2", SS, 12-20/9W3	2
28	*	Dry sight tube - Float Assembly	1

* Sub-assembly on following pages

Tank Assembly - 6500L



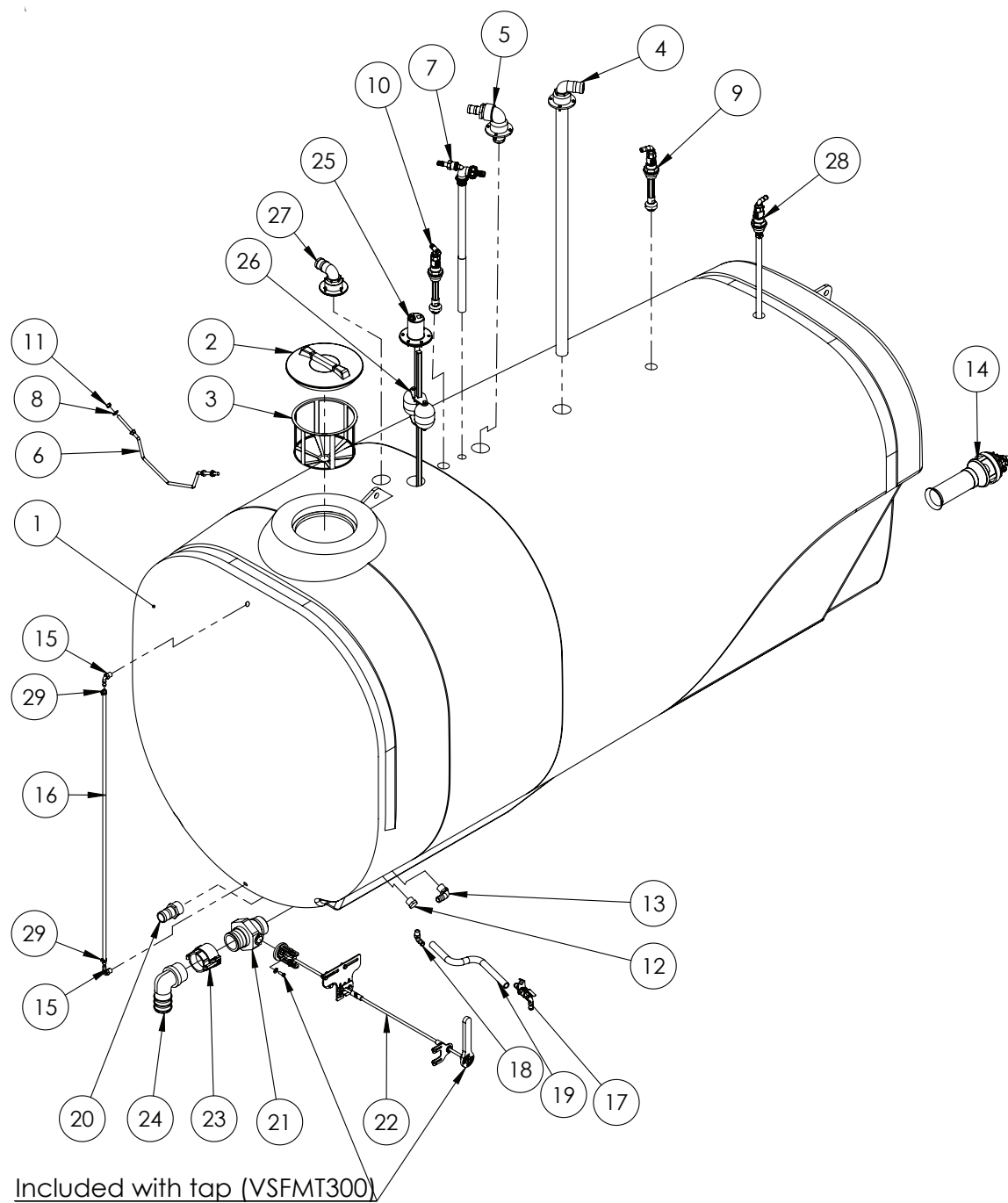
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Tank Assembly - 6500L

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070100	Tank, 6500L, Prairie Advance EF, Bare	1
	GA5076877	Lid, Black Plastic, Diameter 355 mm, With breather	
2	GA5076880	Lid, Black, Without breather, Medium, Diameter 355 mm	1
	GA5076876	Breather, Diameter 140 mm, Suit Diameter 355 mm tank lid	
3	*	Tank Rinsing Nozzle - Tee Assembly	1
4	*	Tank Rinsing Nozzle - Elbow Assembly	1
5	*	Venturi Filler Assembly	1
6	*	Hopper Tank Inlet	1
7	*	Tank Fill - 2"	1
8	GA4672885	Bar, Tank lid opening support	1
9	GA5000581	Nut M12 Hex SS	4
10	GA5000577	Washer 12mm Flat SS HD	4
11	GA5077945	Plug, 1" male thread, Banjo	2
12	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose, Banjo	1
13	*	Supermix Agitator Assembly	1
14	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	2
15	GA2000209	Hose, Clear, 12mm, Sight tube	1
16	GA5077704	Hose barb, Elbow, 90 degree, 1/2" male thread x 3/4" hose	1
17	GA2000216	Hose, Pressure, 20mm, Black 250psi	1
18	GA5077737	Hose barb, Straight, 2" male thread x 2" hose	1
19	*	Remote Drain - 4000-6500L	1
20	GA5076720	Cam lever, 3" female coupling x 3" female thread - NSPT thread	1
21	GA5077742	Hose barb, Elbow, 90 degree, 3" male thread x 3" hose	1
22	GA5076714	Filter, Basket type, Diameter 305 x 245 deep	1
23	GA5078204	3" NPT Male x 3" Male Adaptor Long Handle (VSFMT300)	1
24	*	Dry sight tube - Locating Cap Assembly	1
25	*	Sump Drain Valve	1
26	*	Outlet - Tank Overflow 2"	1
27	GA5000469	Hose clamp, 1/2", SS, 12-20/9W3	2
28	*	Dry sight tube - Float Assembly	1

* Sub-assembly on following pages

Tank Assembly - 7500/8500L



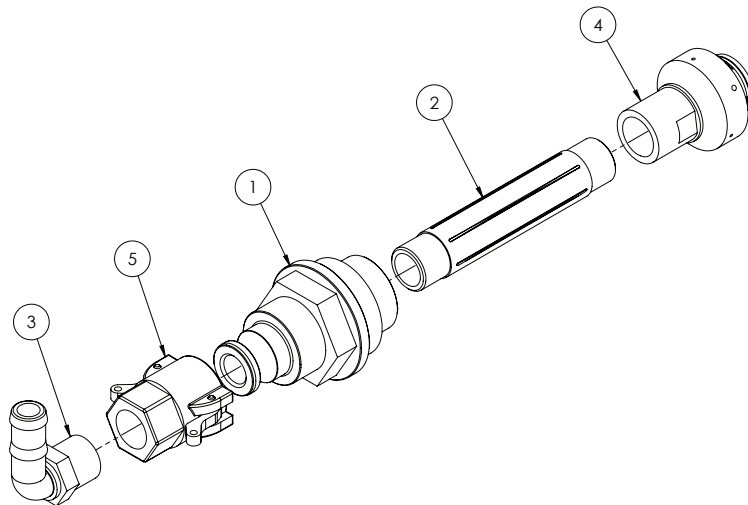
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Tank Assembly - 7500/8500L

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070280	Tank, 7500L, with wheel cut outs, Bare	1
	GA5070285	Tank, 8500L, with wheel cut outs, Bare	
	GA5076877	Lid, Black Plastic, Diameter 355 mm, With breather	
2	GA5076880	Lid, Black, Without breather, Medium, Diameter 355 mm	1
	GA5076876	Breather, Diameter 140 mm, Suit Diameter 355 mm tank lid	
3	GA5076714	Filter, Basket type, Diameter 305 x 245 mm deep	1
4	*	Tank Fill - 2"	1
5	*	Hopper Tank Inlet	1
6	GA4672885	Bar, Tank lid opening support, Suit	1
7	*	Venturi Filler Assembly	1
8	GA5000577	Washer 12mm Flat SS HD	4
9	*	Tank Rinsing Nozzle - Elbow Assembly	1
10	*	Tank Rinsing Nozzle - Tee Assembly	1
11	GA5000581	Nut M12 Hex SS	4
12	GA5077945	Plug, 1" male thread, Banjo	1
13	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	1
14	*	Supermix Agitator Assembly	2
15	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	2
16	GA2000209	Hose, Clear, 12mm, Sight tube	1
17	*	Sump Drain Valve	1
18	GA5077704	Hose barb, Elbow, 90 degree, 1/2" male thread x 3/4" hose	1
19	GA2000216	Hose, Pressure, 20mm, Black 250psi	1
20	GA5077737	Hose barb, Straight, 2" male thread x 2" hose	1
21	GA5078204	3" NPT Male x 3" Male Adaptor Long Handle (VSFMT300)	1
22	*	Remote Drain - 7500/8500L	1
23	GA5076720	Cam lever, 3" female coupling x 3" female thread - NSPT thread	1
24	GA5077742	Hose barb, Elbow, 90 degree, 3" male thread x 3" hose	1
25	*	Dry sight tube - Locating Cap Assembly	1
26	*	Dry sight tube - Float Assembly	1
27	*	Outlet - Tank Overflow 2"	1
28	*	Inlet - Boom Recirculation (Rapidflow only)	1
29	GA5000469	Hose clamp, 1/2", SS, 12-20/9W3	2

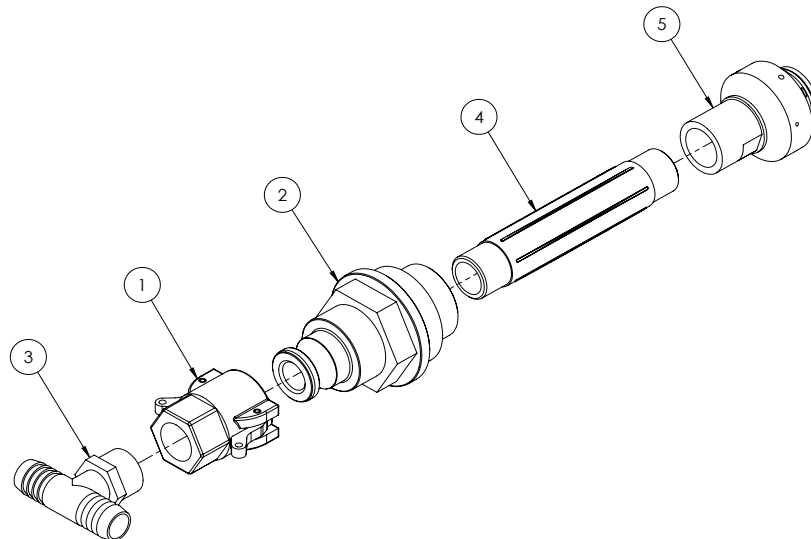
* Sub-assembly on following pages

Tank Rinsing Nozzle, Elbow - Assembly



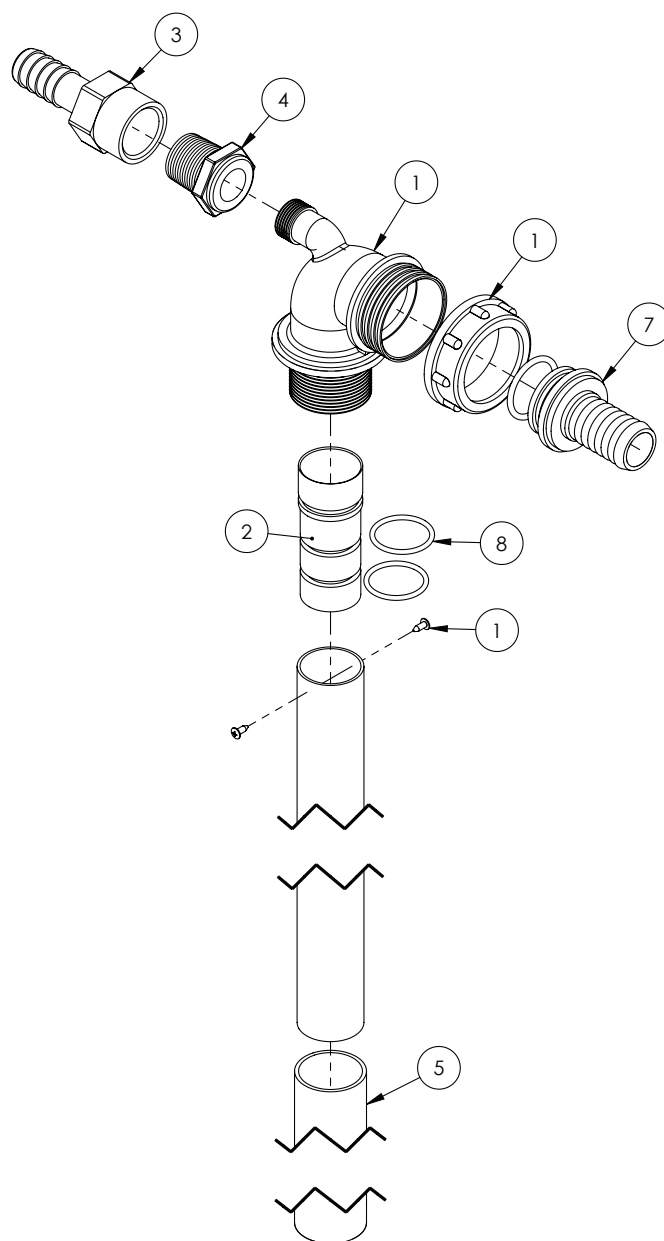
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4901285-1	Tank rinsing nozzle, Elbow, Complete	-
1	GA4572015	Tank rinse adaptor with cam lock	1
2	GA5077912	Nipple, 6" long, 3/4" male thread, Banjo	1
3	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose, Banjo	1
4	GA5077336	Nozzle, Tank rinsing,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

Tank Rinsing Nozzle, Tee - Assembly



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

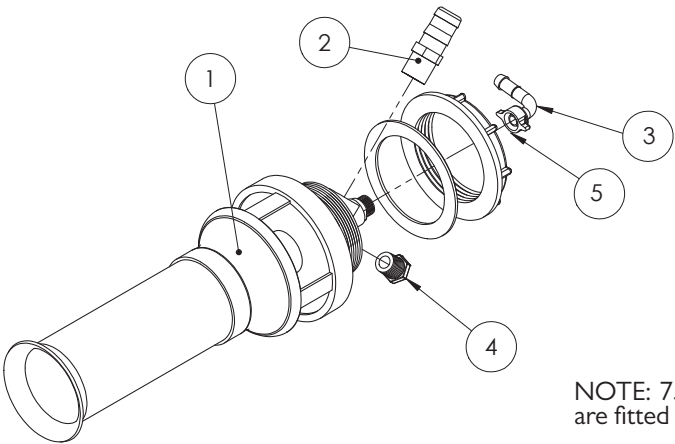
Venturi Filler



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

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

Supermix Agitator



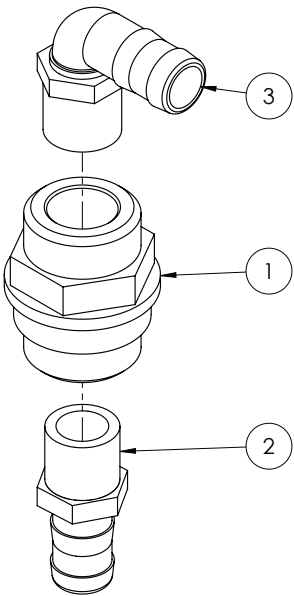
NOTE: 7500L & 8500L models are fitted with dual agitators.

GA4903096 Super mix agitator, Pre assembled, Straight barb

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077038	Agitator, Super mix, 3mm jet, Arag	1
2	GA5077715	Hose barb, Straight, 3/4" male thread x 1" hose barb, Banjo	1
3	GA5075657	Hose barb, Elbow, 90 degree, 13mm hose, including 1/2" fly nut and seal, Brass, Arag	1
4	GA5077943	Plug, 1/2" male thread, Banjo	1
5	GA5075653	Seal, Rubber, 1 1/8 ID x 1 8 OD x 2mm	1

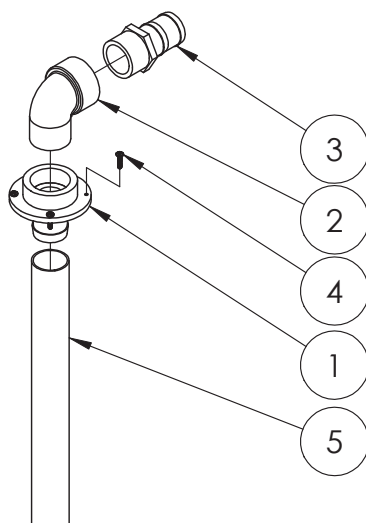
NOTE: Sikaflex 227 used when installing supermix agitator.

Inlet - Tank Fill 1" - Chemical Pump



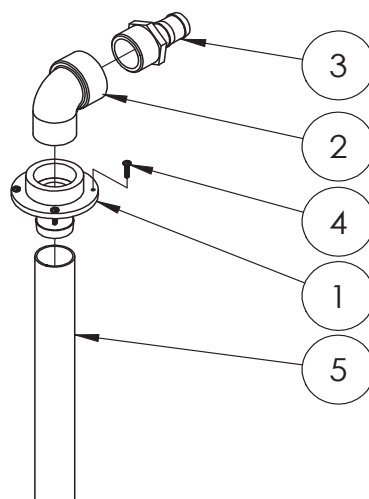
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4572395	Main tank line return fitting 1"	1
2	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1
3	GA5077723	Hose barb, Elbow, 90 degree, 1" male x 1" hose	1

Inlet - Tank Fill 2" - Straight



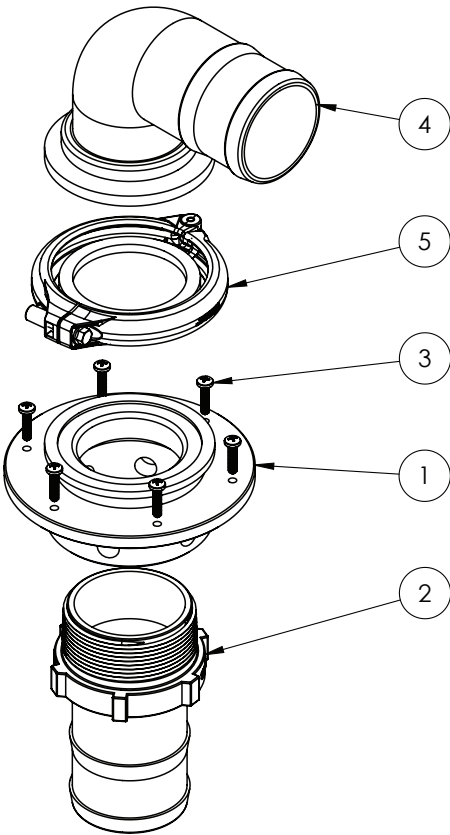
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	L026A	Barb to suit tank fill top	1
2	GA5078142	Street elbow, 90 degree, 2" male thread x 2" female thread, Banjo	1
3	GA5077737	Hose barb, Straight, 2" male thread x 2" hose	1
4	GA5000527	Screw, Pan head, 12G x 25mm, SS	4
5	GA2000228	Hose, PVC, 50mm, Black (cut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

Inlet - Hopper Fill 2"- Straight



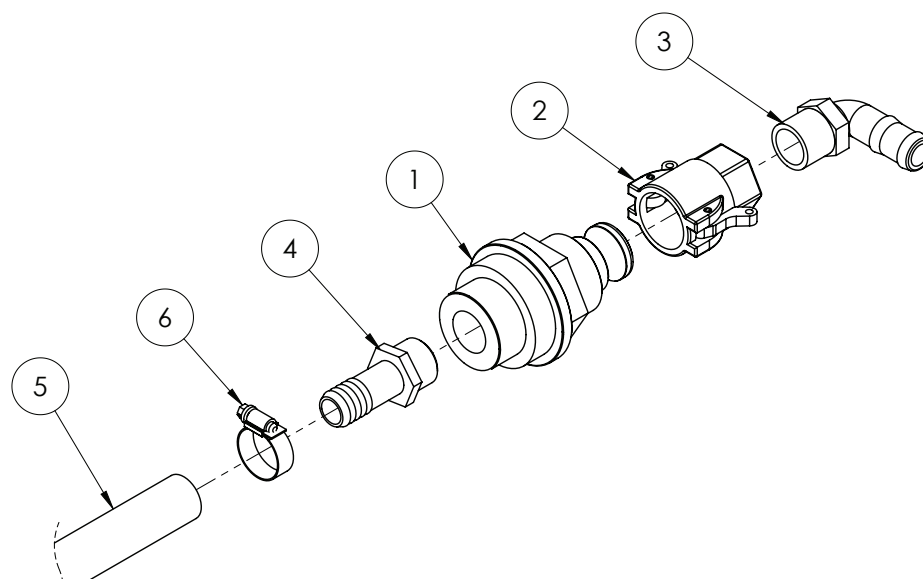
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	L026A	Barb to suit tank fill top	1
2	GA5078142	Street elbow, 90 degree, 2" male thread x 2" female thread, Banjo	1
3	GA5077739	Hose barb, Straight, 2" male thread x 1 1/2" hose	1
4	GA5000527	Screw, Pan head, 12G x 25mm, SS	4
5	GA2000228	Hose, PVC, 50mm, Black (cut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

Inlet - Tank Side Fill 3"



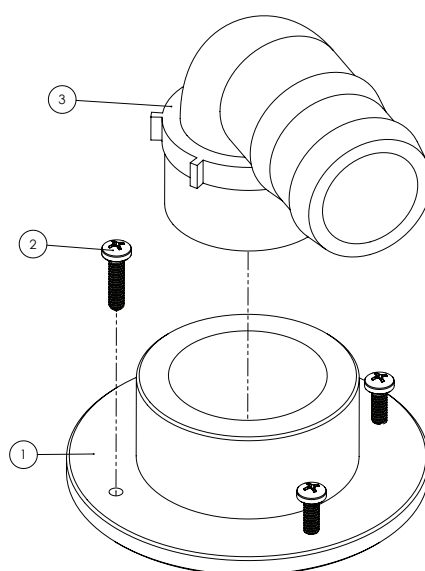
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4550590	Tank Top Inlet Fitting, 3" Flange and 3" NPT Female Thread	1
2	GA5077741	Hose barb, Straight, 3" male thread x 3" hose	1
3	GA5000527	Screw, Pan head, 1/2" x 25mm, SS	6
4	GA5077875	Hose barb, Elbow, 90 degree, 3" flange x 3" hose	1
5	GA2000116	Flange Clamp,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

Inlet - Boom Recirculation (RapidFlow only)



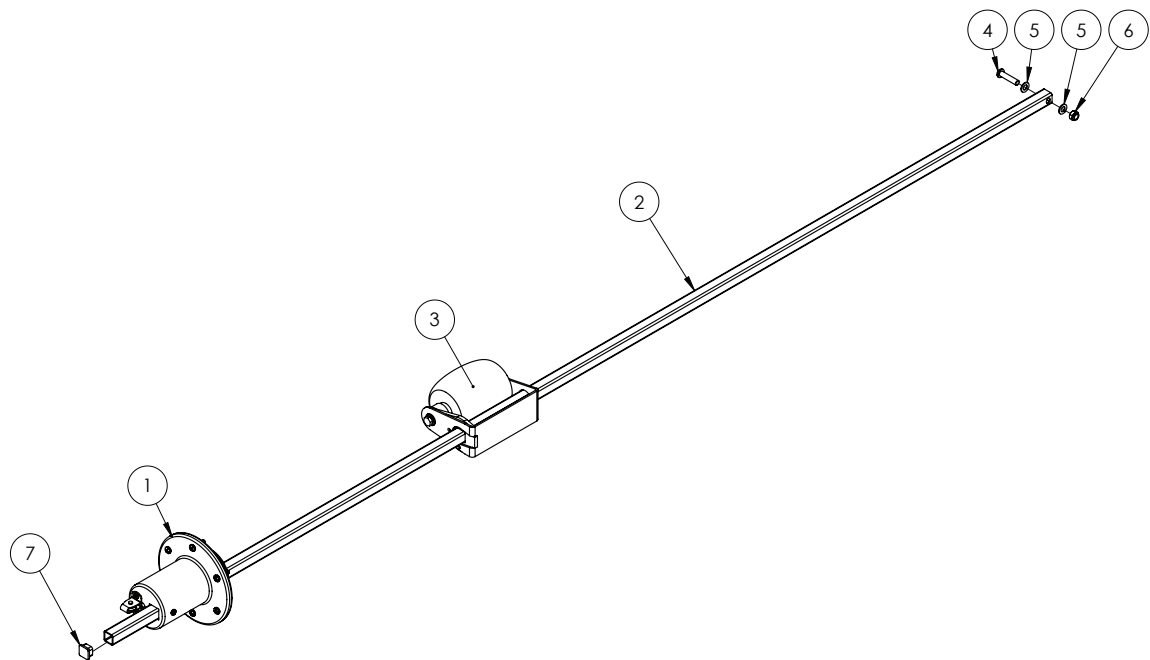
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4572015	Tank rinse adaptor with cam lock	1
2	GA5077132	Cam lever, 3/4" female coupling x 3/4" hose barb, Banjo	1
3	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose, Banjo	1
4	GA5077709	Hose barb, Straight, 3/4" male thread x 3/4" hose, Banjo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

Outlet - Tank Overflow 2"



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4583370	Threaded Tank Flange 2"	1
2	GA5000527	Screw 12G x 1 XR STS Pan SS	4
3	GA5077740	Hose Barb Elbow 2"	1

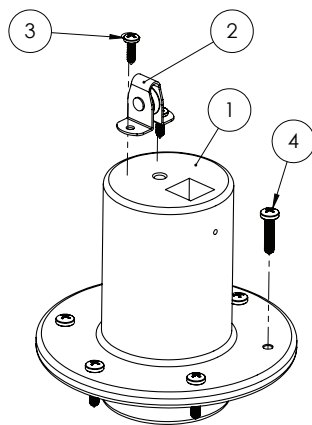
Dry Sight Tube - Float & Guide



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

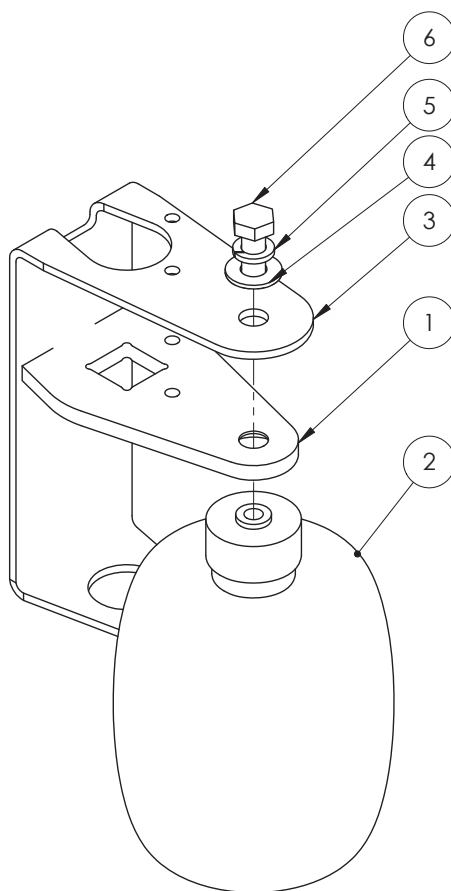
* Sub-assembly on following pages

Dry Sight Tube - Locating Cap Assembly



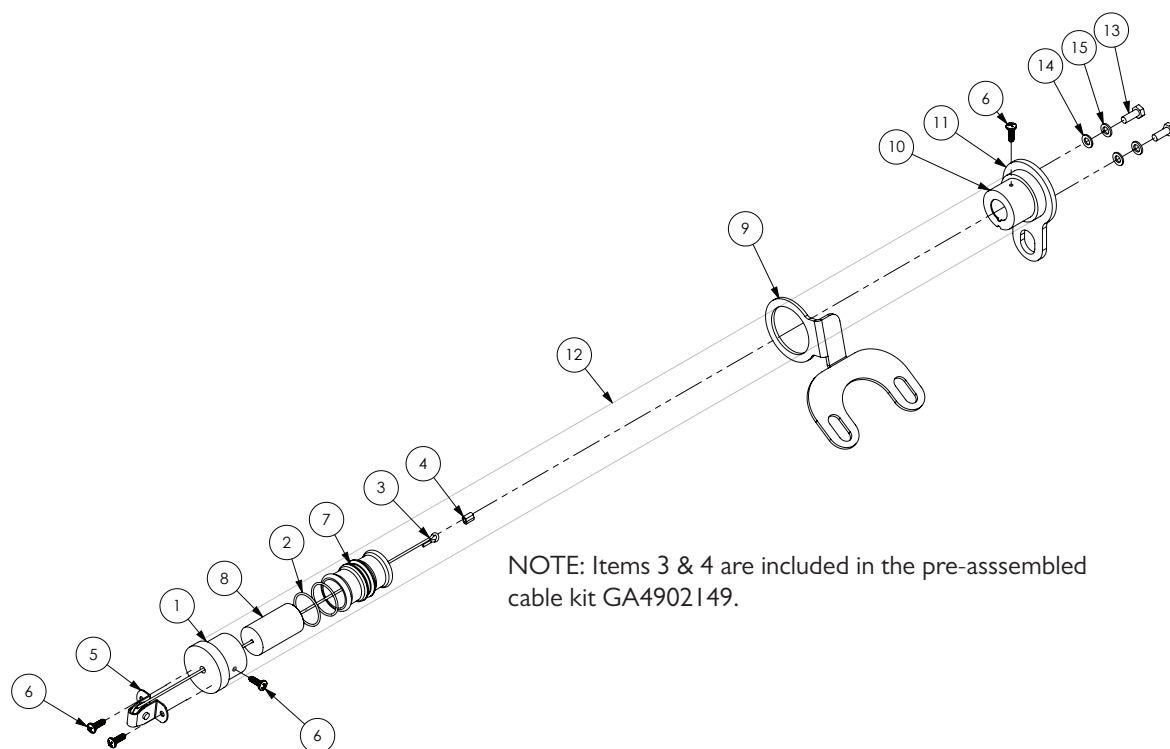
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MACH0308	Float tube locating cap (Blk Poly)	
2	GA5015221	Pulley, Upright, 19mm, Suit sight tube cable roller	
3	GA5014817	Screw 10G x 5/8" Pan Head SS	
4	GA5000527	Screw, Pan head, 12G x 25mm, SS	

Dry Sight Tube - Float Assembly

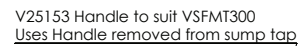


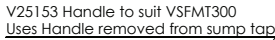
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5072660	Float Plate Dry Sight Tube	1
2	GA5072665	Ball Float 4" Plastic 5/16" Whitworth Threads	1
3	GA4401610	Plate, Float, Dry Sight Tube	1
4	GA5003643	Washer 8mm Flat SS HD	1
5	GA5004919	Washer 8mm Spring SS	1
6	GA5048485	Set Screw, 5/16" x 3/4" BSW, SS GR8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

Dry Sight Tube - Cap & Tube Assembly



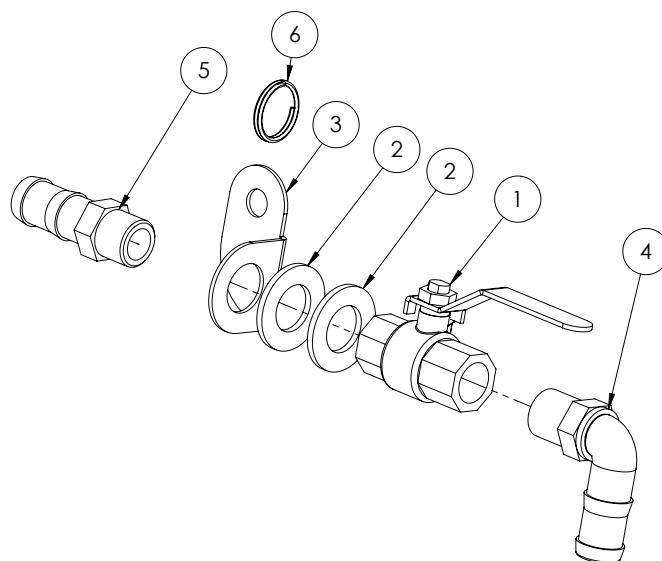
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5070155	Decal, Dry sight tube, 5000L, Tow behind	-
-	GA5061880	Decal, Dry sight tube, 6500L, Tow behind	-
-	GA5061887	Decal, Dry sight tube, 7500L, Tow behind	-
-	GA5061915	Decal, Dry sight tube, 8500L, Tow behind	-
-	GA4902149	Cable, Pre assembly, 5m - Includes cable and ferrules	-
1	MACH0306	Remote sight tube end cap (Blk Poly)	1
2	GA5012529	O ring, 34.65 x 1.78mm, BS024	2
	GA4902149	Cable, Pre assembly, 5m - Includes cable and ferrules	-
3	GA5017873	Cable, Wire rope, 1.6 mm, 7x19 core, 316 SS, suit sight tube - Cut to 5 metres	1
4	GA5008643	Ferrule, Hand swage, Nickle plated copper, suits GA5017873 cable	2
5	GA5015221	Pulley, Upright, 19mm, Suit sight tube cable roller	1
6	GA5014817	Screw 10G x 5/8" Pan Head SS	4
7	MACH0307	Remote sight tube level indicator	1
8	MACH0317	Level Indicator Insert	1
9	F70668A	Sight Tube Locating Plate	1
10	MACH0316	Tube End Cap with Light Attachment	1
11	F70669A	Sight tube base mounting plate	1
12	GA5002979	Sight tube, Clear, 38 ID x 44 OD x 2000 mm long, Polycarbonate	1
13	GA5004041	Bolt M6 x 16 GR8.8 ZP	3
14	GA5004437	Washer 6mm Flat SS	3
15	GA5004447	Washer 6mm Spring SS	3





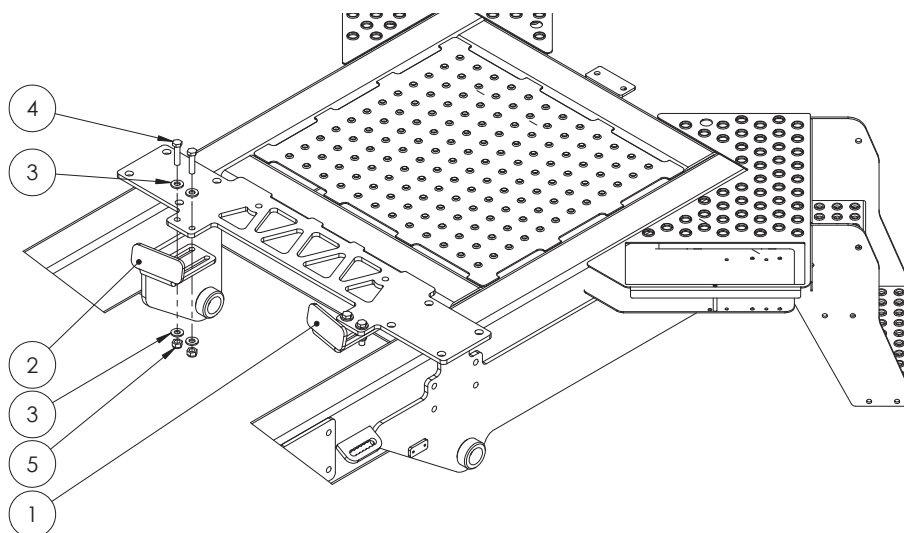
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4653664	Sump ball valve inter drive shaft suit 7500 and 8500	1
2	GA4653656	Drive flange, suits Sump ball valve	1
3	GA4653658	Sump ball valve drive shaft	1
4	GA5003643	Washer 8mm Flat SS HD	16
5	GA5004917	Nut M8 Nyloc ZP	7
6	GA5065455	Bolt M10 x 30 ZP GR8.8	2
7	GA5000141	Nut M10 Nyloc ZP	2
8	GA5000117	Washer 10mm Flat SS HD	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 Valve



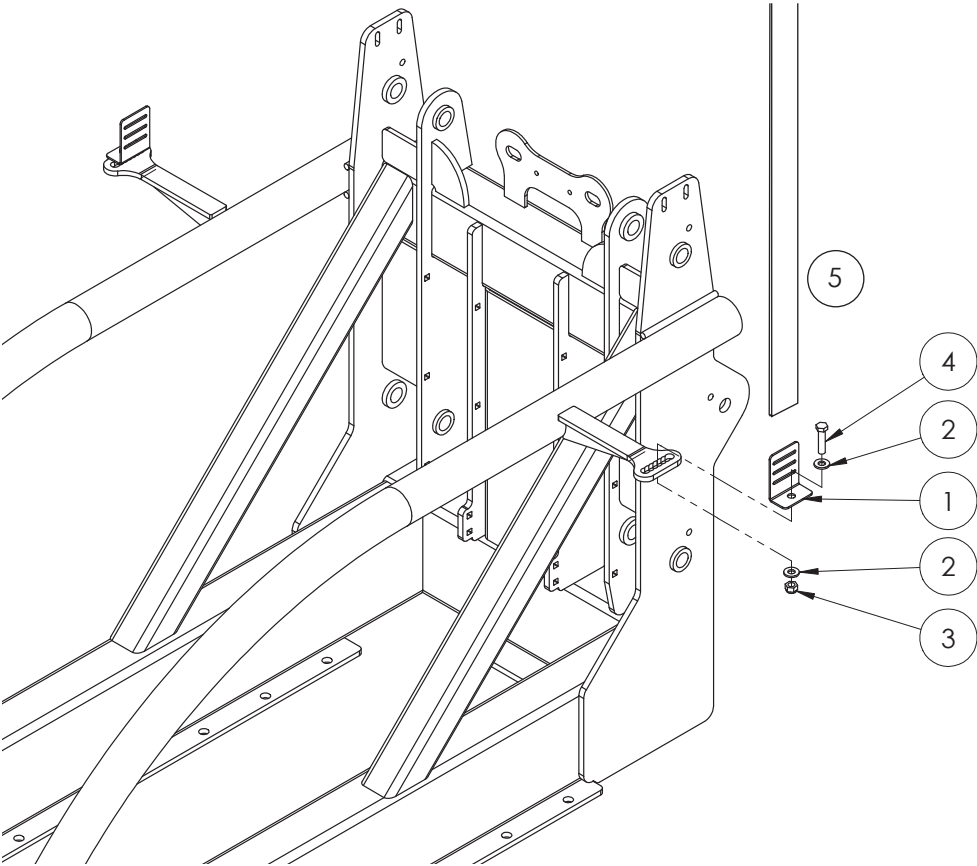
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018309	Valve, Ball, 12mm female thread inlet / outlet, Lever handle, SS	1
2	GA5001741	Washer 20mm Flat SS HD	2
3	GA4504980	Mounting Plate Bent Sump Drain	1
4	GA5077704	Hose barb, Elbow, 90 degree, 1/2" male thread x 3/4" hose, Banjo	1
5	GA5077707	Hose barb, 1/2" male thread x 3/4" hose, Banjo	1
6	GA5002077	Key ring, 25mm, SS	1

Tank Stops



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4522515	Front tank stop RHS	1
2	GA4522510	Front tank stop LHS	1
3	GA5000577	Washer 12mm Flat SS HD	8
4	GA5011239	Bolt, M12 x 50, ZP GR 8.8	4
5	GA5012461	Nut M12 Nyloc ZP	4

Tank Straps & Brackets - 4000-8500L

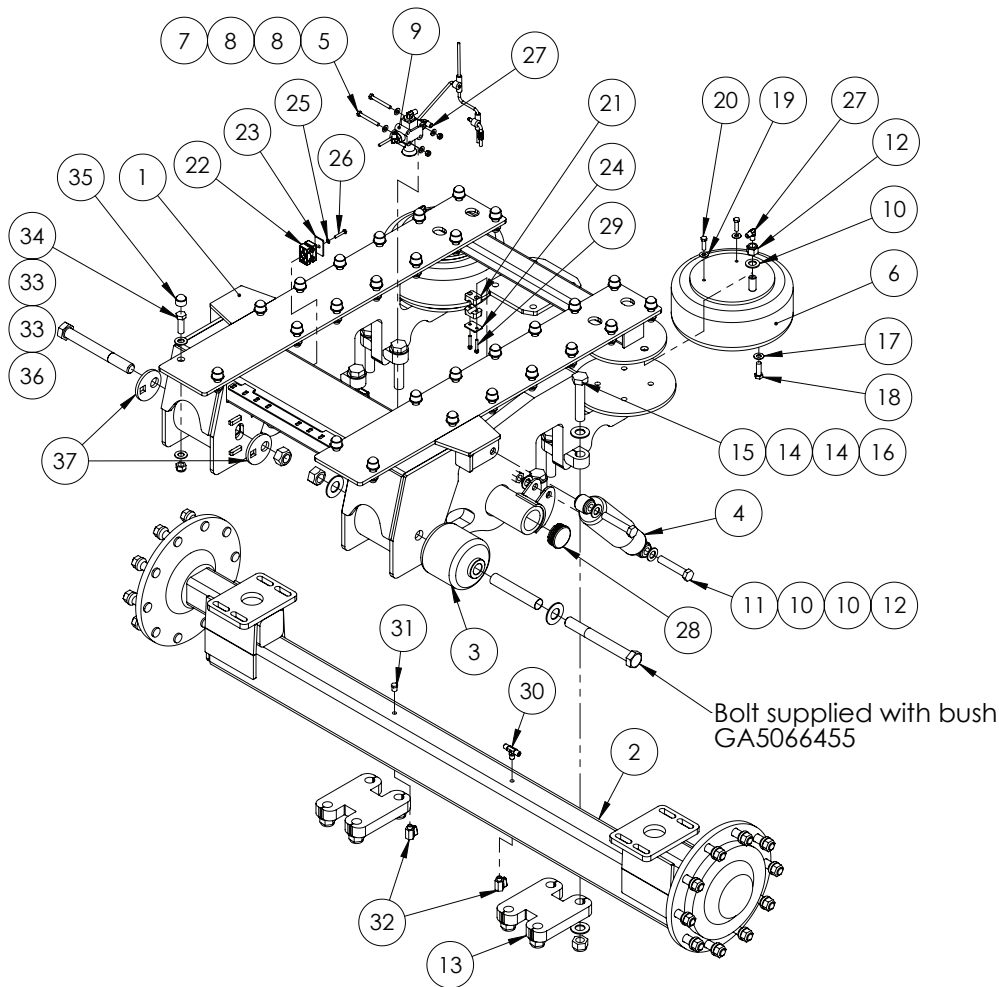


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F70127A	Bracket, Tank strap, 50 mm	4
2	GA5000577	Washer 12mm Flat SS HD	8
3	GA5012461	Nut M12 Nyloc ZP	4
4	GA5011239	Bolt, M12 x 50, ZP GR 8.8	4
5	GA5003859	Strap, Tank, 50mm, Goldacres branded, (price is per meter)	See below.
		4000L Tank - Cut length - Front	3600mm
		4000L Tank - Cut length - Rear	1900mm
		5000L Tank - Cut length - Front	4200mm
		5000L Tank - Cut length - Rear	2400mm
		6500L Tank - Cut length - Front	4300mm
		6500L Tank - Cut length - Rear	2400mm
		7500L Tank - Cut length - Front	4300mm
		7500L Tank - Cut length - Rear	2500mm
		8500L Tank - Cut length - Front	4300mm
		8500L Tank - Cut length - Rear	2500mm

Chapter 12

WHEELS, AXLES & MUDGUARDS

Air Bag Axle - 4000-6500L



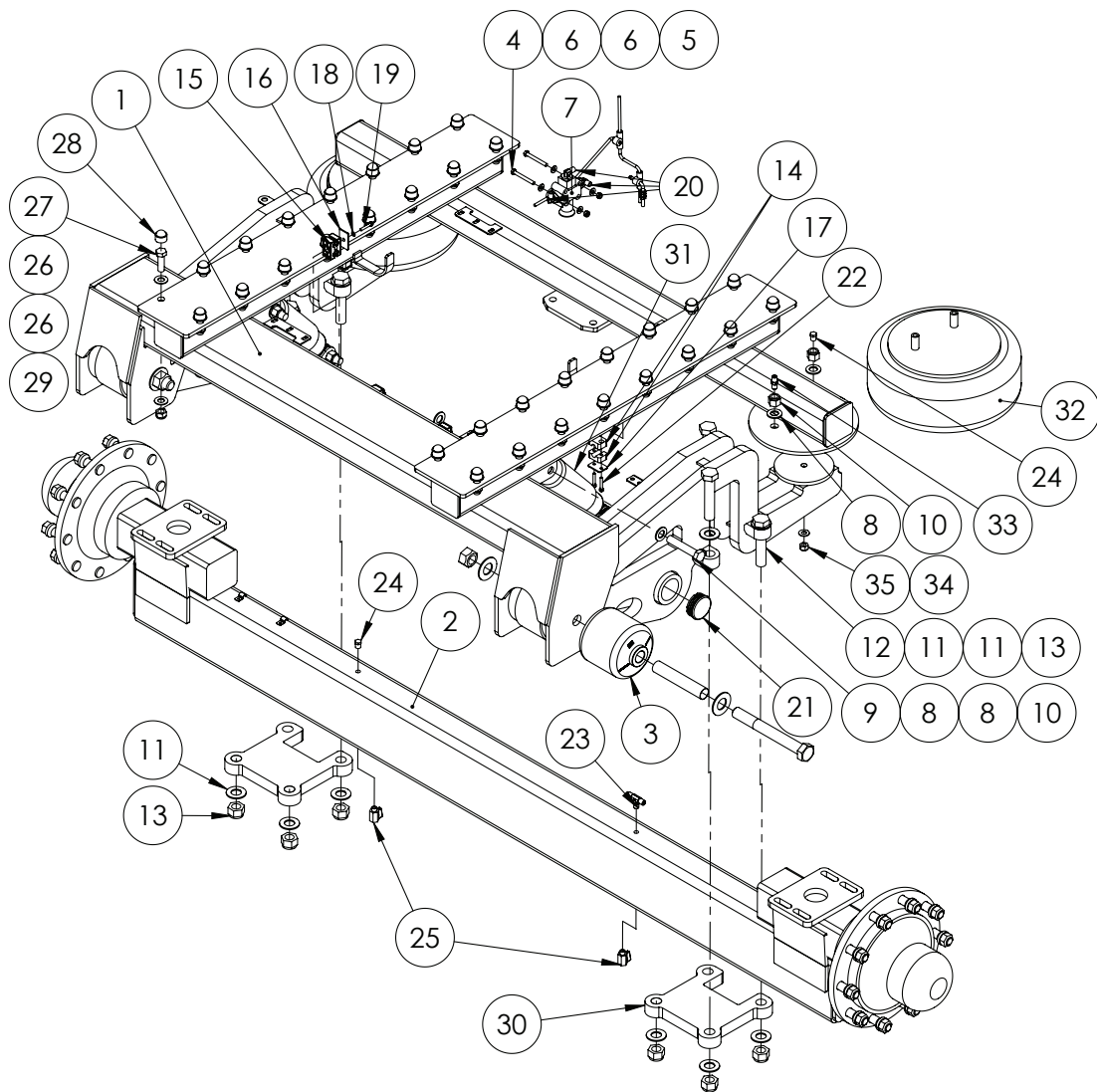
RIDE HEIGHT VALVE TEE

PART NUMBER		DESCRIPTION		
GA5014651		Tee, Rubber, Suit ride height levelling valve rods		
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	
1	GA4652810	Axle airbag frame 2m to 3m	1	
	GA4656920	Axle AirBag 2000mm 10 Stud		
	GA4656925	Axle AirBag 2050mm 10 Stud		
	GA4656930	Axle AirBag 2100mm 10 Stud		
2	GA4656935	Axle AirBag 3000mm 10 Stud	1	
	GA4656945	Axle, 90 series unbraked suit 5000 and 6500l, custom wheel track, refer to build sheet		

Air Bag Axle - 4000-6500L

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
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
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 HD	4
9	GA5010868	Ride height valve, 1/4" connecting rods	1
10	GA5001741	Washer 20mm Flat SS HD	13
11	GA5049490	Bolt 3/4" UNC x 4" ZP GR8	4
12	GA5048430	Nut, Nyloc, 3/4" UNC, ZP	6
13	GA4632050	Suspension narrow retainer (32mm FMS)	2
14	GA5017681	Washer 1" x 2" 7g Flat Thin SS	16
15	GA5006031	Bolt, 1" UNC x 5" ZP GR8	8
16	GA5012439	Nut, Nyloc, 1" UNC, ZP	8
17	GA5017673	Washer 1/2" High Tensile	8
18	GA5006167	Bolt, 1/2" UNC x 1 1/2", ZP GR8	8
19	GA5017623	Washer 3/8" Flat ZP HD	4
20	GA5002599	Set screw, 3/8" UNC x 1 1/4", SS	4
21	GA5078058	Mounting clamp, Single type, Jaw, Pair, Group 3, 14mm	4
22	GA5078031	Mounting clamp, Double type, Jaw, Pair, Group 2, 14mm	4
23	GA5078042	Mounting clamp, Double type, Plate, Top, Group 2	2
24	GA5078068	Mounting clamp, Single type, Plate, Top, Group 2	2
25	GA5004447	Washer, 6mm, Spring, SS	2
26	GA5011405	Bolt M6 x 35 ZP GR8.8	2
27	GA3500258	Hydraulic coupling, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPT male	5
28	GA5051366	End cap, 63.5 mm round, 1.25 - 2.0mm wall, black plastic	2
29	GA5011425	SHCS M6 x 35 SS A2-70	4
30	GA3500269	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPT male	1
31	GA5069335	Plug, 1/4" BSPT male thread, Brass	1
32	GA5018323	Valve, Ball, 1/4" male, female, Black Lever handle, Chromed	2
33	GA5001043	Washer 16mm Flat SS HD	56
34	GA5000931	Bolt M16 x 50 ZP GR8.8	28
35	GA5075080	Hex nut protection cap, suit M16, Black	28
36	GA5001029	Nut M16 Nyloc ZP	28
37	GA4524630	Plate Alignment Eccentric Air bag	2

Air Bag Axle - 7500/8500L



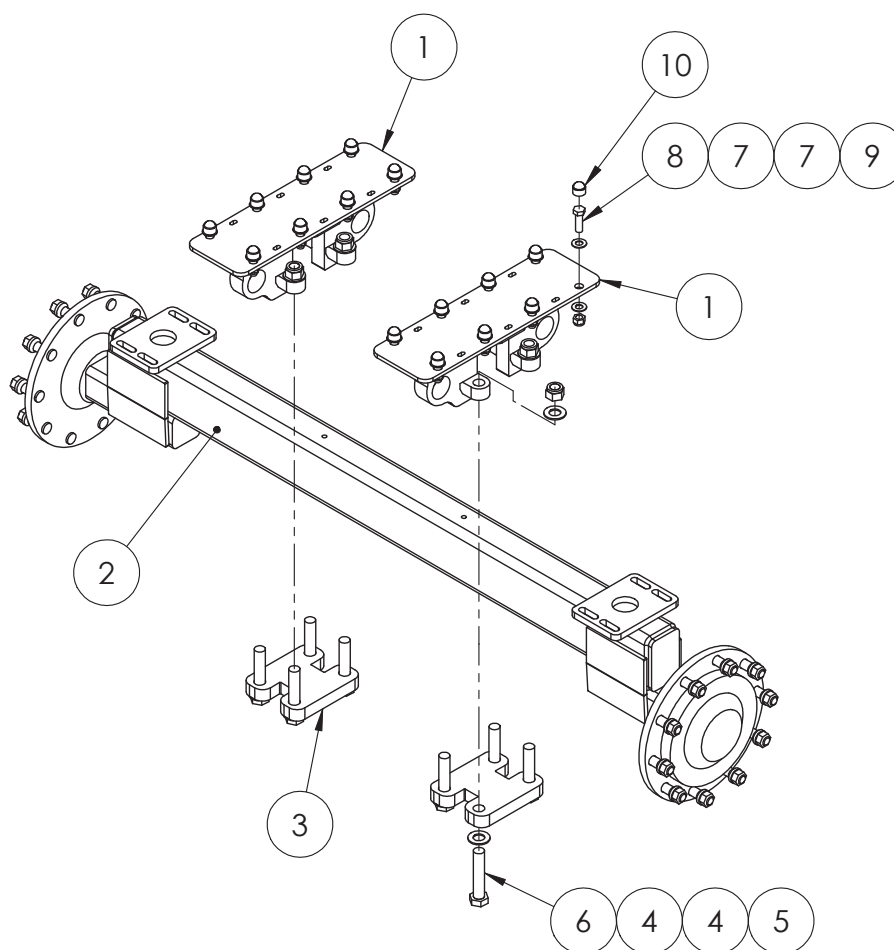
RIDE HEIGHT VALVE TEE			
PART NUMBER		DESCRIPTION	
GA5014651		Tee, Rubber, Suit ride height levelling valve rods	
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4652838	Axle airbag frame wide suit 7500 and 8500L 2.7m+	1
	GA4652839	Axle airbag frame narrow suit 7500 & 8500L 2.2m to 2.7m	
	GA4652865	Axle unbraked 8000L Airbag (3000mm)	
	GA4652870	Axle unbraked 8000L Airbag (2800mm)	
2	GA4652871	Axle suit 8000L narrow airbag (2200mm)	1
	GA4656950	Axle, 110 series unbraked suit 7500 and 8500L, custom wheel track, refer to build sheet	
3	GA5071010	Bi-functional Bush, Trailing Airbag Suspension Frame, Includes Bolt, Nut and Sleeve	2

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Air Bag Axle - 7500/8500L

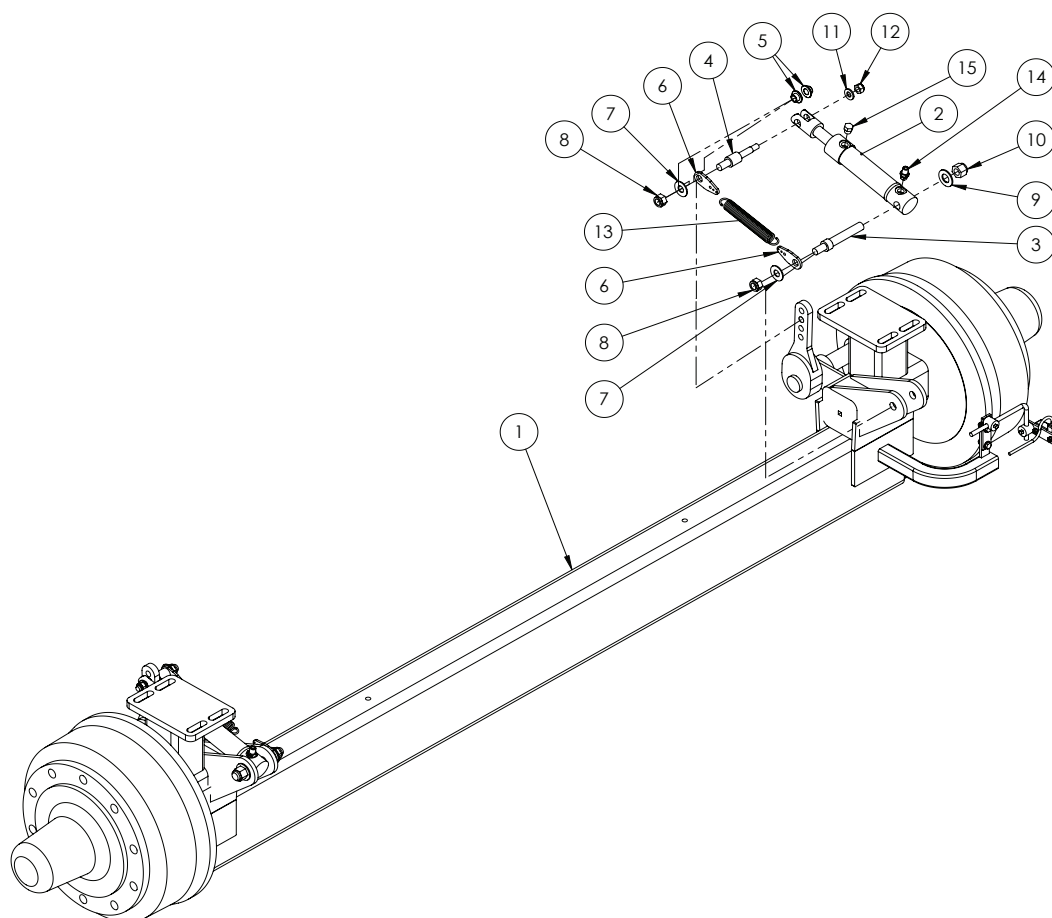
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
4	GA5004738	Bolt M8 x 70 ZP GR8.8	2
5	GA5004917	Nut M8 Nyloc ZP	2
6	GA5003643	Washer 8mm Flat SS HD	4
7	GA5010868	Ride height valve, 1/4" connecting rods	1
8	GA5001741	Washer 20mm Flat SS HD	14
9	GA5049490	Bolt 3/4" UNC x 4" ZP GR8	4
10	GA5048430	Nut, Nyloc, 3/4", UNC, ZP	8
11	GA5017659	Washer, 1", Flat, ZP, Heavy duty (5mm thick)	17
12	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 3, 14mm	4
15	GA5078031	Mounting clamp, Double type, Jaw, Pair, Group 2, 14mm	6
16	GA5078042	Mounting clamp, Double type, Plate, Top, Group 2	3
17	GA5078068	Mounting clamp, Single type, Plate, Top, Group 2	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	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	1
24	GA5069335	Plug, 1/4" BSPT male thread, Brass	3
25	GA5018323	Valve, Ball, 1/4 male, female, Black Lever handle, Chromed	2
26	GA5001043	Washer 16mm Flat SS HD	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 8500L	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	2
34	GA5017673	Washer 1/2" High Tensile	2
35	GA5050580	Nut 1/2" UNC Nyloc ZP	2

Rigid Axle



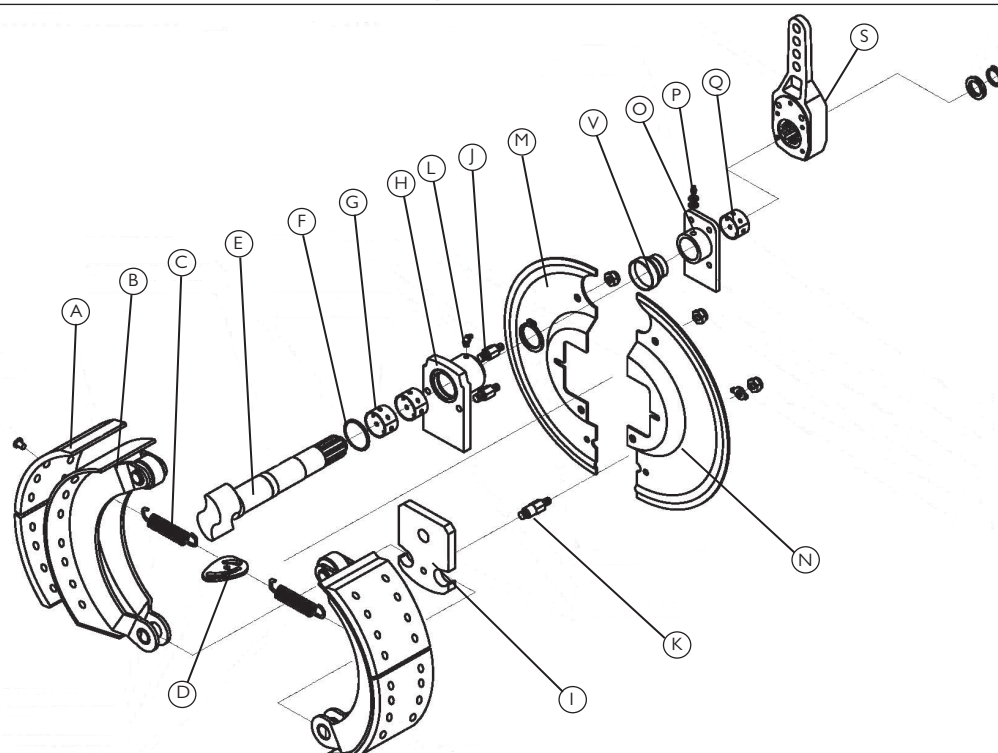
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4652986	Axle carrier suit EF chassis	2
	GA4656921	Axle Rigid 2000mm 10 Stud	
	GA4656926	Axle Rigid 2050mm 10 Stud	
2	GA4656931	Axle Rigid 2100mm 10 Stud	1
	GA4656936	Axle Rigid 3000mm 10 Stud	
	GA4656945	Axle, 90 series unbraked suit 5000 and 6500l, custom wheel track, refer to build sheet	
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	GA5001043	Washer 16mm Flat SS HD	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

Braked Axle Assembly



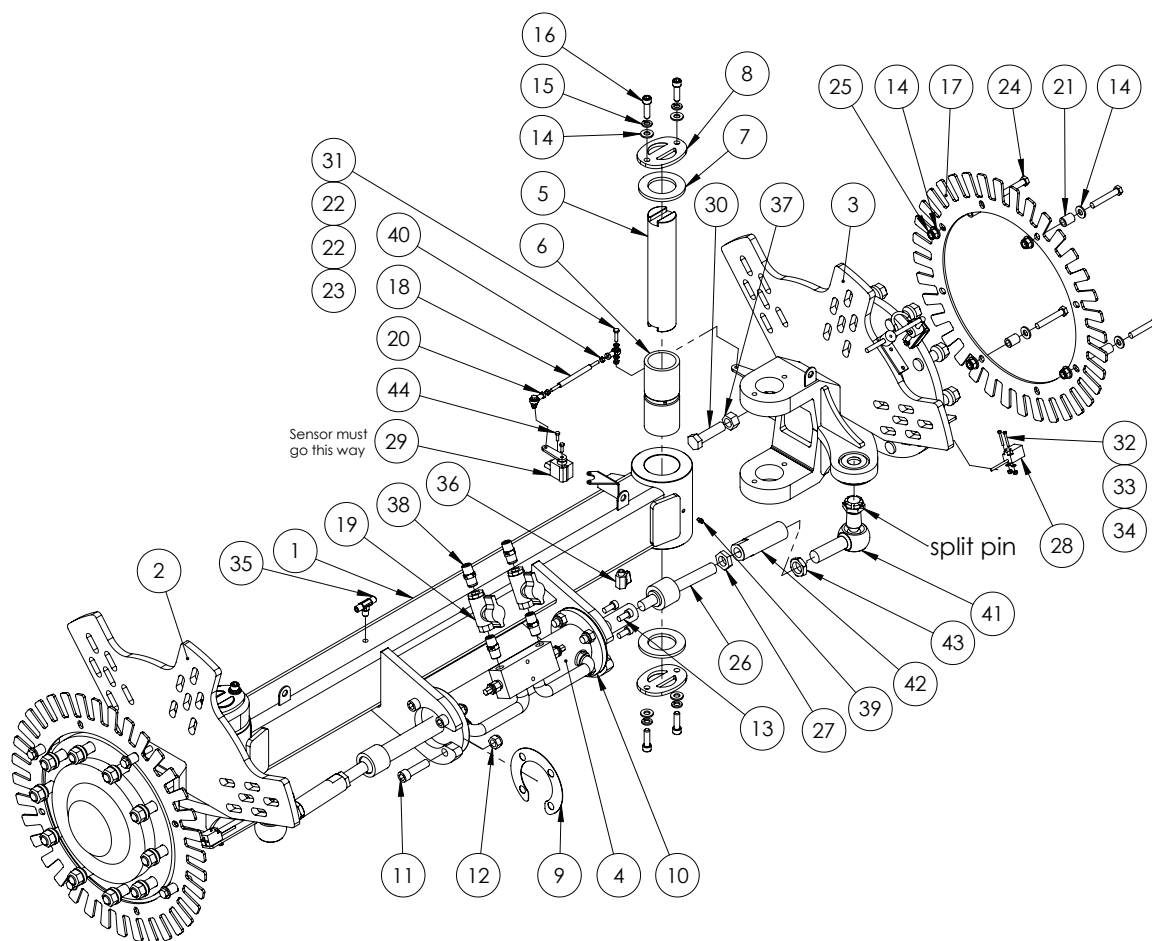
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4652852	Axle suit airbag 2100mm - 10 stud braked	1
	GA4652872	2200mm Braked Axle	
	GA4652869	2800mm Braked Axle	
	GA4652866	3000mm Braked Axle	
2	GA5016121	Hydraulic cylinder 1" rod x 1.5" bore x 100mm stroke	2
3	MACH0201	Spring and ram mounting pin	2
4	MACH0202	Spring and ram mounting pin	2
5	MACH0200	Ram clevis spacer bush 32 x 16mm 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	GA5000577	Washer 12mm Flat SS HD	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	2
15	GA3500380	Hydraulic adaptor, Plug, 9/16" UN male O-ring	2

Brake Mechanism Assembly



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	Spacer stud short	2
K	GA5062555	Spacer stud long	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

Steering Axle Assembly



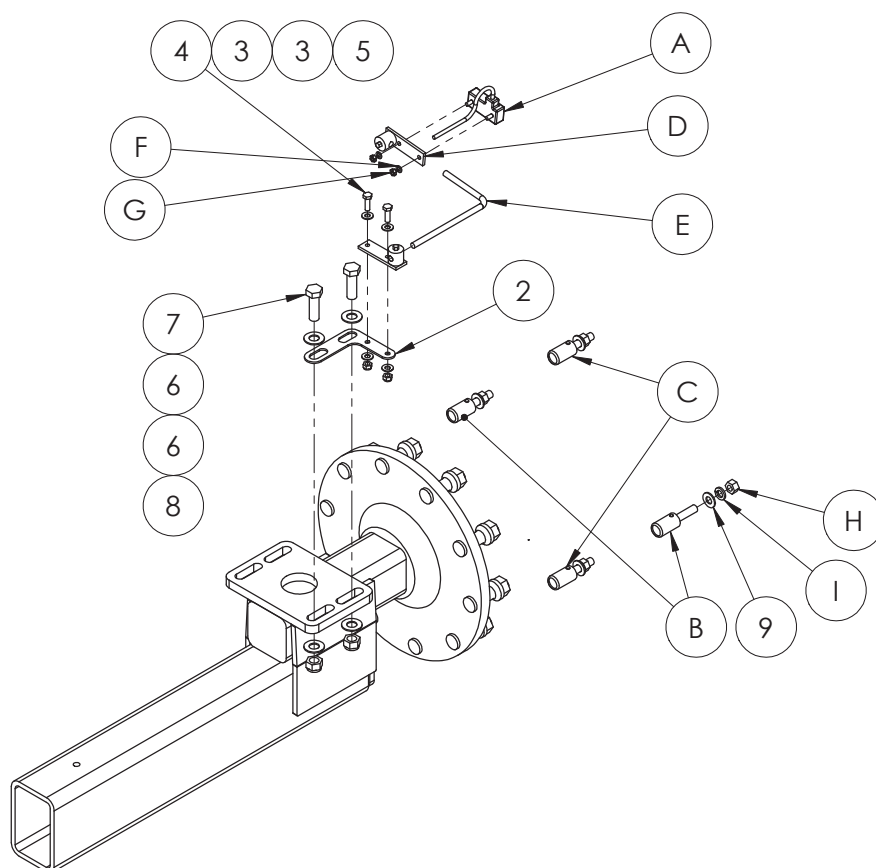
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4652730	Axle, Steerable	1
2	GA4652972	Steering arm & stub axle assembly, Left side	1
3	GA4652971	Steering arm & stub axle assembly, Right side	1
4	GA5066585	Hydraulic cylinder suit steering axle	1
5	GA4552315	Steering king pin	2
6	GA4552310	Bush, 75.2 OD x 60 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	GA5000577	Washer 12mm Flat SS HD	24
15	GA5000575	Washer 12mm Spring SS	8
16	GA5000321	SHCS M12 x 40 ZP GR12.9	8

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Steering Axle Assembly

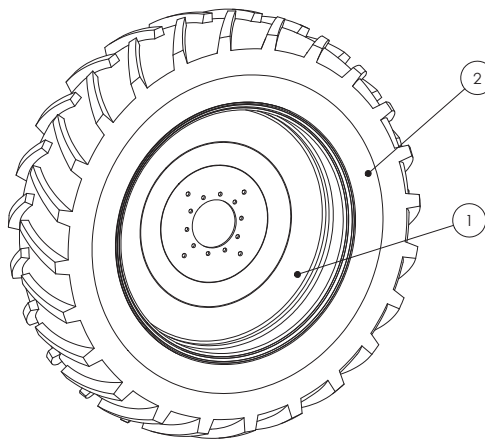
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
17	GA4535570	Wheel Speed Sensor Disc For Steering (36 Instances)	2
18	GA4583065	Link Rod Steering Axle Sensor	1
19	GA5000835	Valve, Ball, Hydraulic, 1/2" female thread inlet / outlet	2
20	GA5052725	Rod End 6mm female	2
21	24MK3CS011M	Crush tube for ram TILT replacement 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	2
29	GA5047668	Sensor, angle of rotation, Smart steer axle	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	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	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

Wheel Speed Sensor



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5075858	Wheel speed sensor kit	-
A	GA5075857	Sensor, Wheel Drive Speed with 7 1/2' Cable, Raven	1
B	GA5075817	Magnet, Red North Pole Speed Sensor Assembly, Raven	2
C	GA5075818	Magnet, Black South Pole Speed Sensor Assembly, Raven	2
D	GA5075822	Sensor, Turret Assembly Speed Sensor, Raven	2
E	GA5076045	Rod, Speed Sensor, Raven	1
F	3131000016	Washer 1/4" lock split zinc	2
G	3121001031	Nut 1/4" - 20 hex ZP	2
H	3121001043	Nut 1/2" - 13 hex ZP	4
I	3131000028	1/2" lock washer	4
I	GA5075858	Sensor, Speed 4 Pole Wheel Drive with 7 1/2' Cable Kit, Raven	1
2	GA4534520	Speed Sensor Tab Bolt On	1
3	GA5003643	Washer 8mm Flat SS HD	4
4	GA5004711	Bolt M8 x 25 ZP GR8.8	2
5	GA5004917	Nut M8 Nyloc ZP	2
6	GA5001043	Washer 16mm Flat SS HD	4
7	GA5000931	Bolt M16 x 50 ZP GR8.8	2
8	GA5001029	Nut M16 Nyloc ZP	2
9	GA5017655	Washer 1/2" Flat SS	4

Wheels



NOTE: When ordering complete wheel and tyre unit, please note which side is required. Rims are supplied painted.

32" x 24.5" WHEELS

PART NUMBER	DESCRIPTION
GA5018814	Wheel DW21 X 32, 10 studs on 335, 0 offset
GA5001837	Tyre 24.5 X 32 (16 Ply)

32" x 30.5" WHEELS

PART NUMBER	DESCRIPTION
GA5018816	Wheel, DW27 x 32, Zero offset
GA5002707	30.5 x 32 (16ply) Olympic Gripster TL

38" x 18.4" WHEELS

PART NUMBER	DESCRIPTION
GA5018820	Wheel DW15 x 38, 10 studs on 335, 0 offset
GA5001108	Tyre 18.4 x 38 (16 Ply)

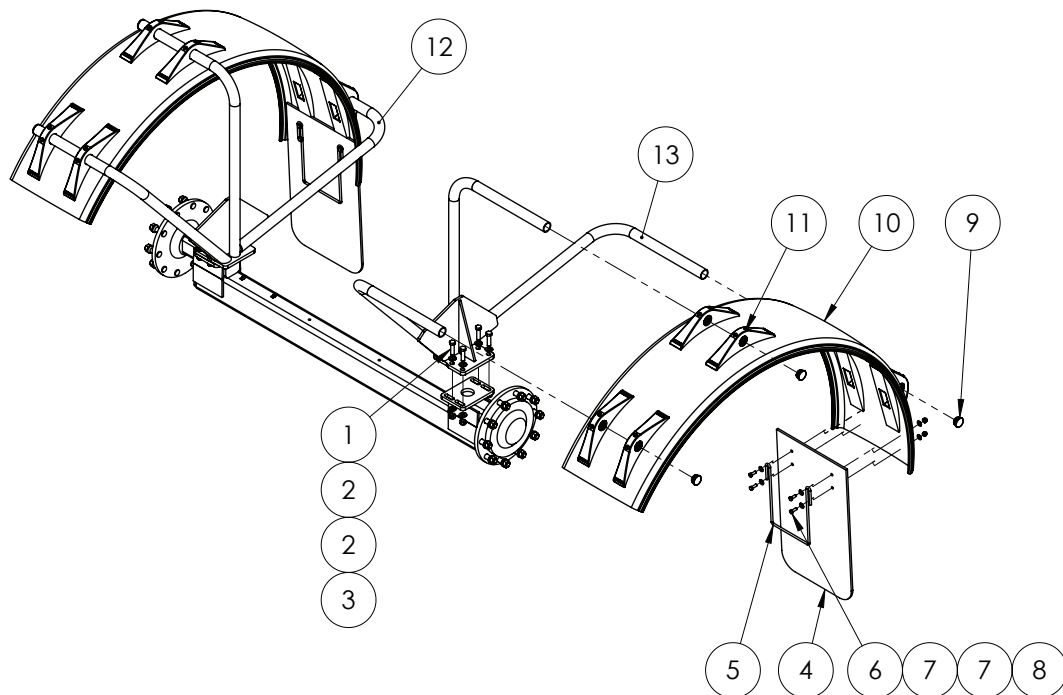
42" x 20.8" WHEELS

PART NUMBER	DESCRIPTION
GA5020340	Wheel, DW18 x 42, 10 studs on 335, 0 offset
GA5020830	Tyre, 20.8 X 42 (16 Ply) TLR

46" x 16" WHEELS

PART NUMBER	DESCRIPTION
GA1500004	Wheel, DD16 x 46, 0mm Offset, 10 stud 335 PCD
GA5066230	Tyre 480/80 R46 (158 A8)

Mudguards



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5000941	Bolt M16 x 60 Black GR8.8 - 38-42" Wheels	8
		Bolt M16 x 60 Black GR8.8 - 46" Wheels	16
2	GA5001043	Washer 16mm Flat SS HD - 38-42" Wheels	16
		Washer 16mm Flat SS HD - 46" Wheels	32
3	GA5001029	Nut M16 Nyloc ZP - 38-42" Wheels	8
		Nut M16 Nyloc ZP - 46" Wheels	16
4	GA5051305	Mudflap, Flexible plastic, 450 x 770mm, Goldacres - 38-42" Wheels	2
	GA5018327	Mudflap, 550mm wide x 770mm high, Goldacres - 46" Wheels	2
5	GA5075070	Bracket, Mud guard anti sail, Black	2
6	GA5006145	Bolt M10 x 30 SS	8
7	GA5002565	Washer, 3/8" ID x 1" OD, Flat SS	16
8	GA5011133	Nut M10 Dome nut SS	8
9	GA5003925	End cap, 45 mm round, Black plastic	6
10	GA5066976	Mudguard Dunloflex 510W x R1010mm (R51.265)	2
	GA5004263	Mudguard 630W x R1000mm	
11	GA5066977	Mudguard Bracket Dunloflex suit 48.3mm pipe (H50.660)	12
12	Refer to following tables for mudguard bracket part numbers		1
13			1

32" WHEELS, AIR BAG AXLE

PART NUMBER	DESCRIPTION	QTY
GA4900591-EF-NS-32	Mudguard kit airbag axle 32"	-
GA4655078	Mudguard Bracket 38" RH EF rigid	1
GA4655079	Mudguard Bracket 38" LH EF rigid	1

Continued over page

Mudguards

38" WHEELS, AIR BAG AXLE

PART NUMBER	DESCRIPTION	QTY
GA4900591-EF-NS-38	Mudguards kit 38" to suit EF with a/bag suspension	-
GA4655078	Mudguard Bracket 38" RH EF airbag	1
GA4655079	Mudguard Bracket 38" LH EF airbag	1

38" WHEELS, RIGID AXLE

PART NUMBER	DESCRIPTION	QTY
GA4900591-P-EF-R	Mudguards kit 38" to suit EF with rigid axle	-
GA4655082	Mudguard Bracket 38" RH EF non airbag	1
GA4655083	Mudguard Bracket 38" LH EF non airbag	1

42" WHEELS, AIR BAG AXLE

PART NUMBER	DESCRIPTION	QTY
GA4900591-EF-NS-42	Mudguards kit 42" to suit EF with a/bag suspension	-
GA4655076	Mudguard Bracket 42" RH EF airbag	1
GA4655077	Mudguard Bracket 42" LH EF airbag	1

42" WHEELS, RIGID AXLE

PART NUMBER	DESCRIPTION	QTY
GA4900591-P-EF-R-42	Mudguards kit 42" to suit EF with rigid axle	-
GA4655088	Mudguard Bracket 42" RH EF non airbag	1
GA4655089	Mudguard Bracket 42" LH EF non airbag	1

46" WHEELS, RIGID AXLE

PART NUMBER	DESCRIPTION	QTY
GA4656525	Mudguard BKT EF std airbag axle RH - 46"	1
GA4656530	Mudguard BKT EF std airbag axle LH - 46"	1

46" WHEELS, AIR BAG AXLE

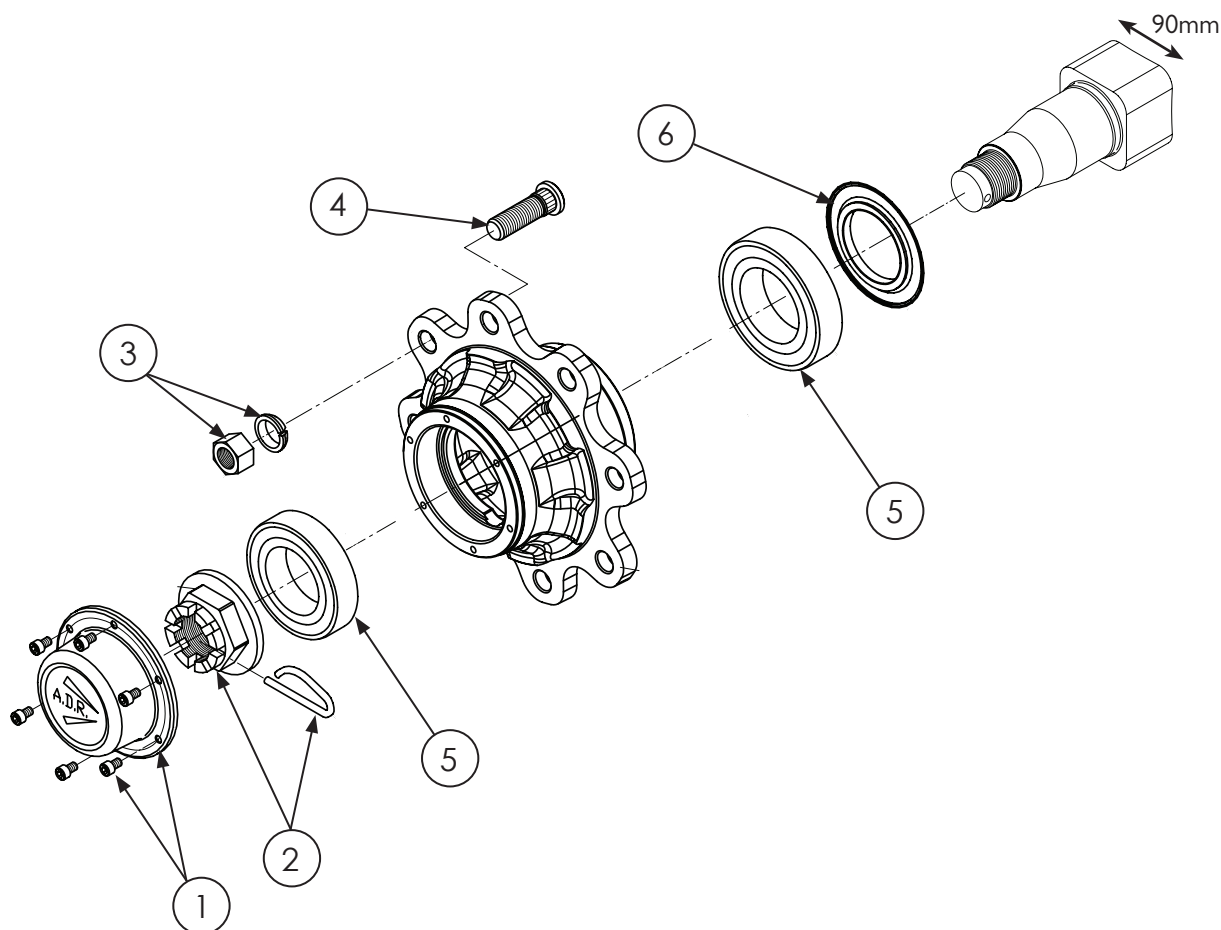
PART NUMBER	DESCRIPTION	QTY
GA4659420	Mudguard spacer suit trailing units, 90mm	2
GA4656525	Mudguard BKT EF std airbag axle RH - 46"	1
GA4656530	Mudguard BKT EF std airbag axle LH - 46"	1

38" & 42" WHEELS, STEERING AXLE (NOT SHOWN)

PART NUMBER	DESCRIPTION	QTY
GA4900591-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
GA5051305	Mudflap, Flexible plastic, 450 x 770mm, Goldacres branding	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

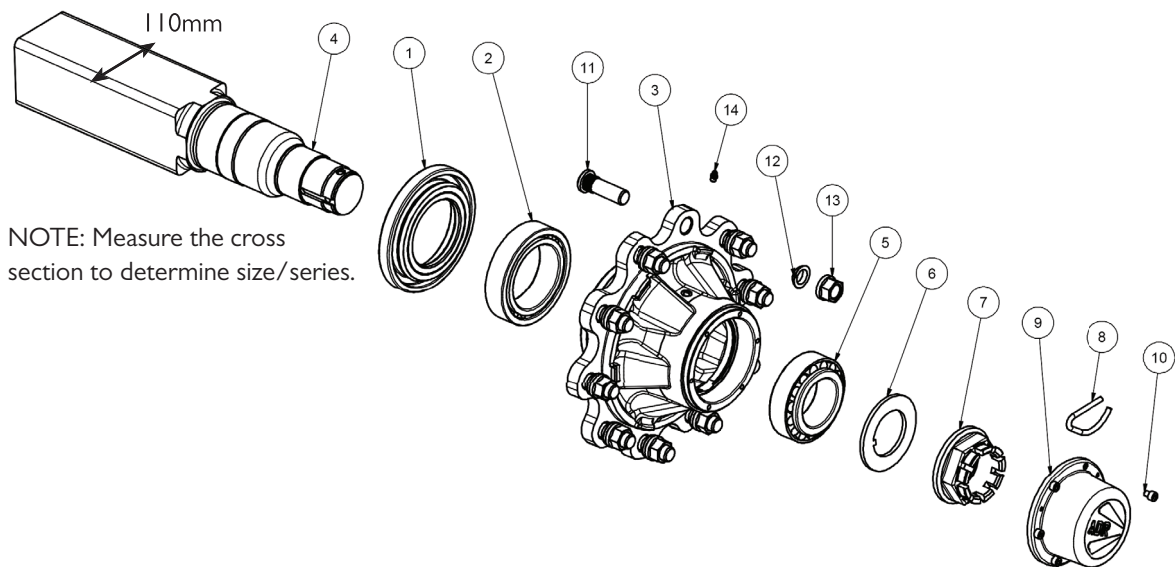
Hub - 90 Series - Unbraked

NOTE: Measure the cross section to determine size/series.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5018119	Stub axle, 90 series, ADR	-
1	GA5052120	Cap Kit, 90 series, ADR	1
2	GA5052190	Crown Nut Kit, 80/90 Series, ADR	1
	GA5052165	Wheel nut kit, Suit 90 / 110 series stub axle, ADR (set of 10)	-
3	GA5018892	Wheel nut, M22 x 1.5mm, ZP	8
	GA5018900	Tapered spring Washers suit M22 wheel stud (329F003)	8
	GA5054675	Cap M20 hex Wheel nut cover	8
4	GA5052205	Stud Wheel Kit, M22 x 1.5, 90, 100, 110 Series, ADR (set of 10)	1
5	GA5052200	Bearing Kit, 90 Series, ADR	1
6	GA5066405	Seal kit, 90 Series, ADR	1

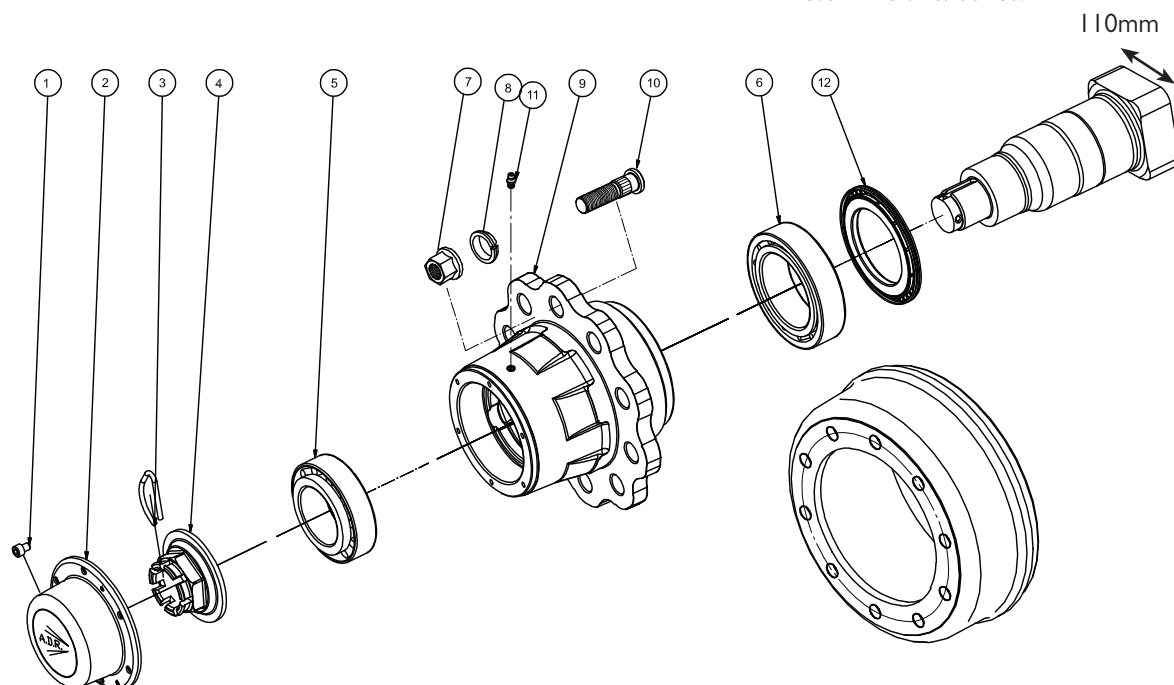
Hub - 110 Series - Unbraked



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5073545	Grease seal w/dust cover, 110 Series, Unbraked, ADR, 5471502	1
2	GA5073550	Bearing, Taper roller, Rear, 110 Series, Unbraked, ADR, 59133020	1
3	61LVI002	Hub, 110 Series, Unbraked, ADR	1
4	GA5050300	Stub axle, 110 Series, Unbraked, ADR	1
5	GA5073555	Bearing, Taper roller, Front, 110 Series, Unbraked, ADR, 59133215	1
6	GA5073560	Lock washer, 110 Series, ADR, 57B7002	1
7	GA5052140	Crown nut kit, 110 Series, Unbraked, ADR - Includes 2 nuts & 2 spring pins	1
8			
9	GA5052145	Cap kit, 110 Series, Unbraked, ADR - Includes 2 caps & 12 screws	1
10			
11	GA5052205	Stud Wheel Kit, M22 x 1.5, 90, 100, 110 Series, ADR (set of 10)	10
12	GA5018900	Tapered spring Washers suit M22 wheel stud (329F003)	10
13	GA5052165	Wheel nut kit, Suit 90 / 110 series stub axle, ADR (set of 10)	-
	GA5018892	Wheel nut, M22 x 1.5mm, ZP	10
14	GA5024086	Grease Nipple, M8 Straight, 100 Series, ADR	1

Hub - 110 Series - Braked

NOTE: Measure the cross section to determine size/series.

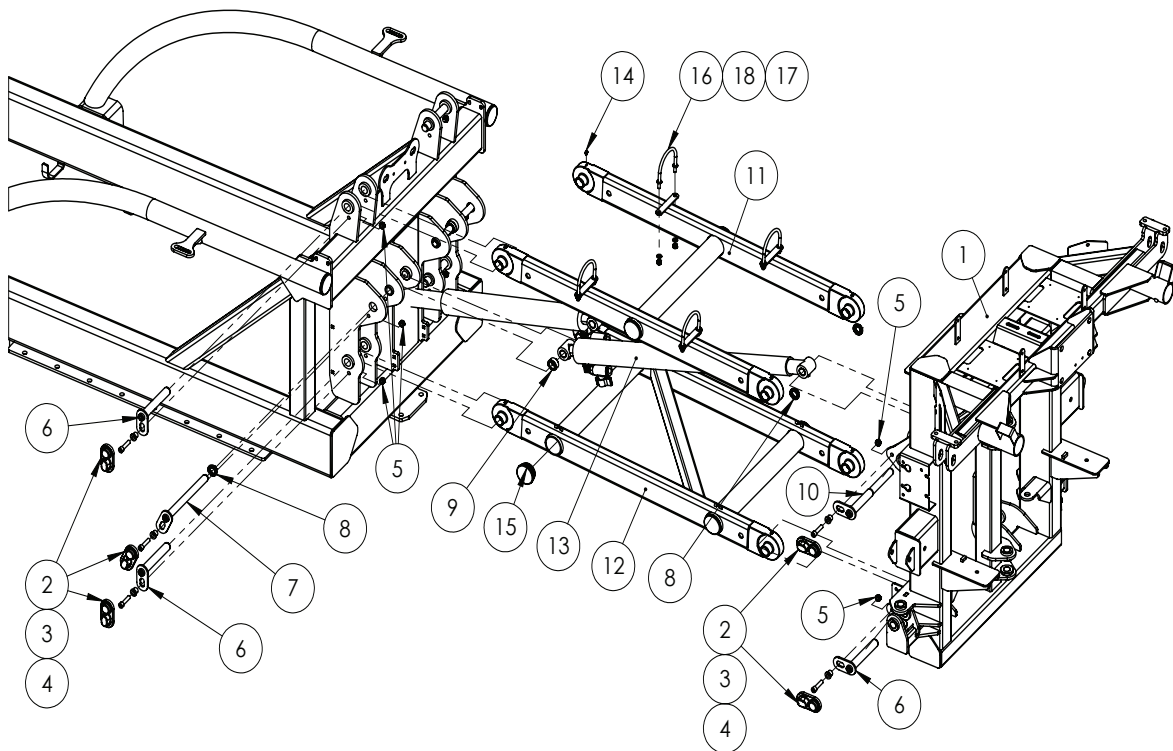


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	9RT125AC	Cap kit, 110 Series, Braked, ADR - Includes 2 caps & 12 screws	1
2			1
3	58209	Spring pin, 110 Series, Braked, ADR	1
4	57548B6	Crown nut, 110 Series, Braked, ADR	1
5	GA1700008	Bearing kit, 100 Series Unbraked, 110 series braked, 33114, 33018, ADR	1
6			1
7	GA5052165	Wheel nut kit, Suit 90 / 110 series stub axle, ADR (set of 10)	-
	GA5018892	Wheel nut, M22 x 1.5mm, ZP	10
8	GA5018900	Tapered spring Washers suit M22 wheel stud (329F003)	10
9	61LIUA004	Hub, 110 Series, Unbraked, ADR	1
10	57122B15	Wheel stud, M22, 110 Series, Braked, ADR	10
11	GA5024086	Grease Nipple, M8 Straight, 100 Series, ADR	1
12	GA5073565	Grease seal, 110 Series, Unbraked, ADR, 5441402	1

Chapter 13

BOOM CENTRE

Paralift & Paralift Arms



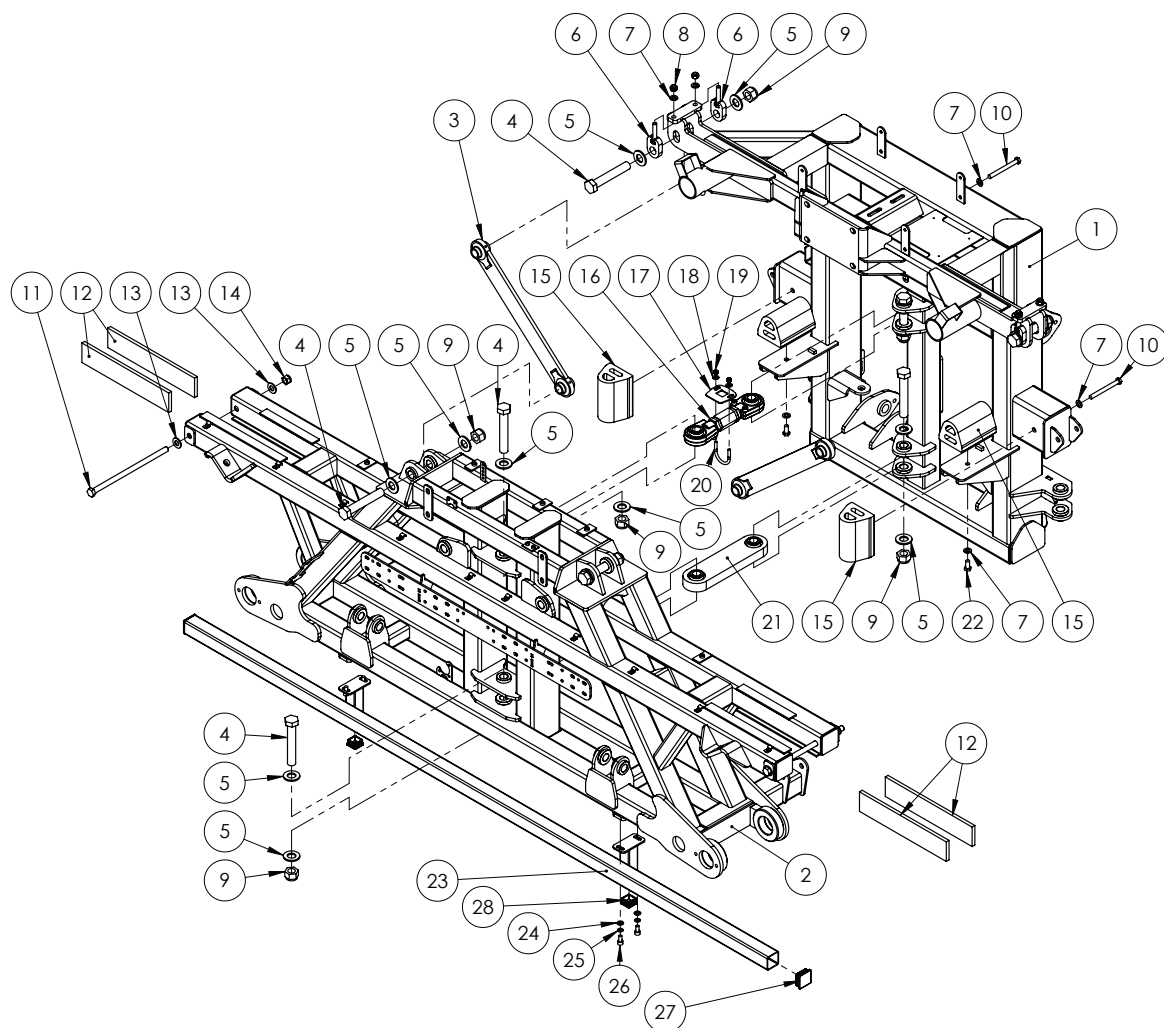
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658138	Paralift Rear, Tritech, 24m to 42m Boom, 2017	1
2	GA5067885	Pin cover, Black, clip on, plastic	10
3	GA5051470	SHCS M12 x 50 GR12.9 ZP	10
4	MACH0152	Bush with shoulder, 12.3 ID x 25 OD x 21 long, Suit paralift pin bolts	10
5	GA5012461	Nut M12 Nyloc ZP	10
6	GA5066655	Pin with retaining plate, 28.575 OD x 180 long, Suit paralift chassis arm	6
7	GA5066645	Pin with retaining plate, 1" x 280 long, Paralift chassis ram	2
8	GA4572135	Spacer bush, 40 OD x 25.8 ID x 9 thick, Paralift arm spacer	4
9	GA4562190	Spacer bush, 40 OD x 26 ID x 17.5 long, Paralift arms	2
10	GA5066675	Pin with retaining plate, Stepped, 294 Long, Suit paralift ram & arm at chassis	2
11	GA4659305	Top Paralift Arm MY12	1
12	GA4659310	Bottom Paralift Arm MY12	1

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	^	Hydraulic Cylinder, Bore 3", Rod 2.5", Stroke 20"	2
14	GA5050450	Grease Nipple, 6mm	16
15	GA5050355	End cap, Plastic, Black, Insert, Round. 76.2 mm, 3.2 - 5.0 mm wall	8
16	GA5070905	U bolt, Round top, M10 x 118 x 115mm, with stopper washers, Z/P	4
17	GA5000141	Nut M10 Nyloc ZP	8
18	GA5000117	Washer 10mm Flat SS HD	8

^ See Chapter 18 'Hydraulics' for sub-assembly

Boom Centre - Base Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658138	Paralift Rear, Trittech	1
2	GA4658122	Centre Section, Trittech	1
3	GA4656240	Delta link, Long	2
4	GA4683145	Bolt 1" UNC x 6" cut down from 7"	8
5	GA5017681	Washer 1" x 2" 7g Flat Thin SS	16
6	GA4656260	Adjuster bolt, Delta link hanger	4
7	GA5000577	Washer 12mm Flat SS HD	8

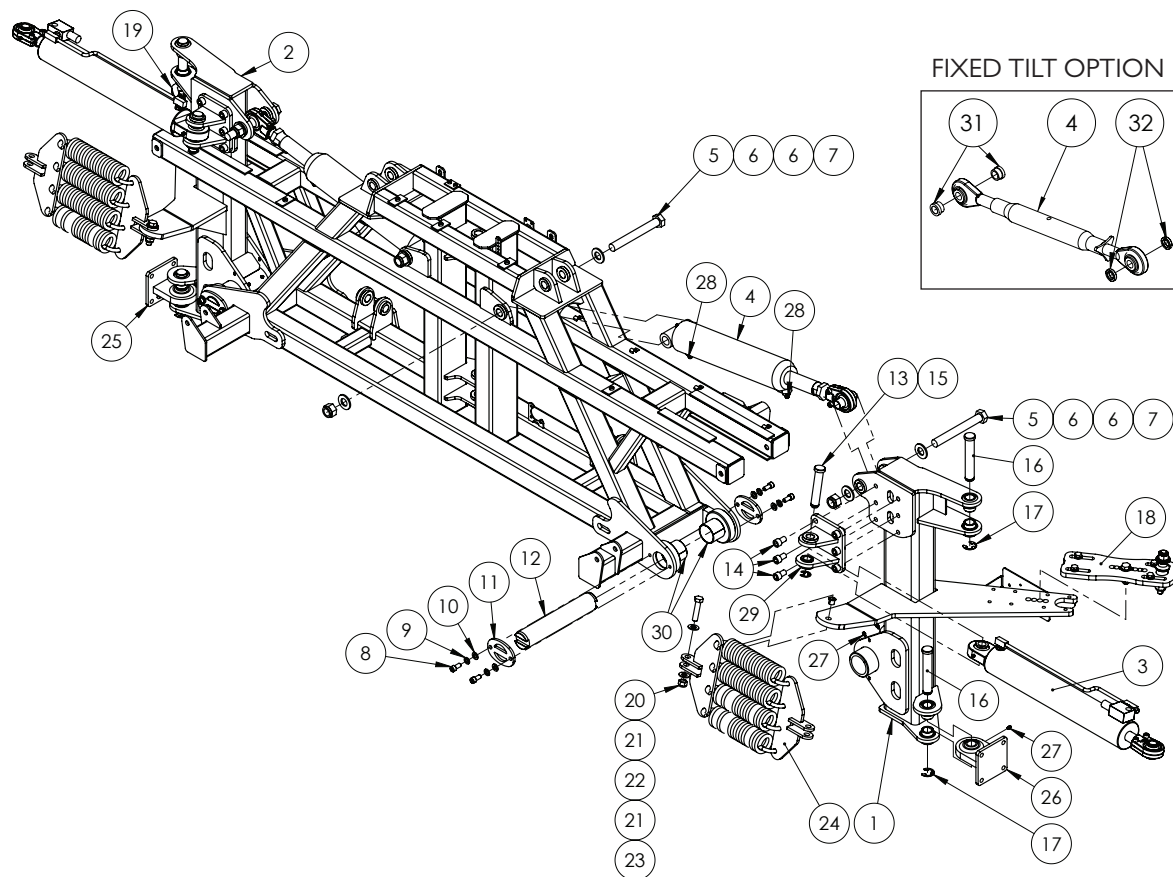
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Boom Centre - Base Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
8	GA5012461	Nut M12 Nyloc ZP	4
9	GA5012439	Nut 1" UNC Nyloc ZP	8
10	GA5000265	Bolt M12 x 120 GR8.8 ZP	2
11	GA5075125	Bolt M16 x 325 GR4.4 ZP 60 mm of thread	2
12	GA5075090	Wear pad, 380 x 74 x 12 mm, Polystone, Suit Tri Tech tilt arm	4
13	GA5001009	Washer 16mm Flat ZP HD	4
14	GA5012463	Nut M16 Nyloc SS	2
15	GA5075240	Bump Stop Rubber with threaded insert	4
16	*	Delta Link	1
17	GA4524140	Locking plate suit adjustable delta link SS	1
18	GA5003643	Washer 8mm Flat SS HD	2
19	GA5052590	Nut M8 Nyloc SS	2
20	GA5018245	U bolt, Round top, M8 x 50 x 60 mm	1
21	GA5067855	Delta link, short, heavy duty	1
22	GA5011229	Bolt M12 x 25 GR8.8 ZP	2
23	GA4658145	Spray bar	1
24	GA5000117	Washer 10mm Flat SS HD	4
25	GA5000137	Washer 10mm Spring SS	4
26	GA5011153	SHCS M10 x 20 GR12.9 ZP	4
27	GA5003783	End cap, Insert, Black, Plastic, 50 x 50 mm	2
28	GA5002963	End cap, Plastic, Black, Insert, RHS. 38 x 38, 1.0 - 3.5mm wall	2

* Sub-assembly on following pages

Boom Centre - Tilt Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4658130	Tilt arm LH	1
2	GA4658125	Tilt arm RH	1
3	GA5018542^	Hyd. Cylinder, Bore 3.25", Rod 1.25", Stroke 18", Ext. phasing LH	1
	GA5018540^	Hyd. Cylinder, Bore 3", Rod 1.25", Stroke 18", Ext. phasing RH	1
4	GA5065051^	Hydraulic Cylinder, Bore 3.5", Rod 1.75", Stroke 5"	2
	GA5075135	Tilt cylinder replacement adjustable top link - Standard Fitment	2
5	GA5006151	Bolt 1" UNF 12 TPI x 8" GR8 ZP	4
6	GA5017681	Washer 1" x 2" 7g Flat Thin SS	8
7	GA5012446	Nut 1" UNF 12 TPI Nyloc ZP	4
8	GA5000297	SHCS M12 x 25 GR12.9 ZP	8
9	GA5000575	Washer 12mm Spring SS	8
10	GA5000577	Washer 12mm Flat SS HD	8
11	GA4502280	Pin retainer	4
12	GA4572365	Tilt pin	2
13	GA4572200	Pin, 1" diameter x 132.4 mm long, With shoulder and circlip groove, Suit centre section fold ram	2
14	GA5000905	SHCS M16 x 25 GR12.9 ZP	12

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Boom Centre - Tilt Assembly

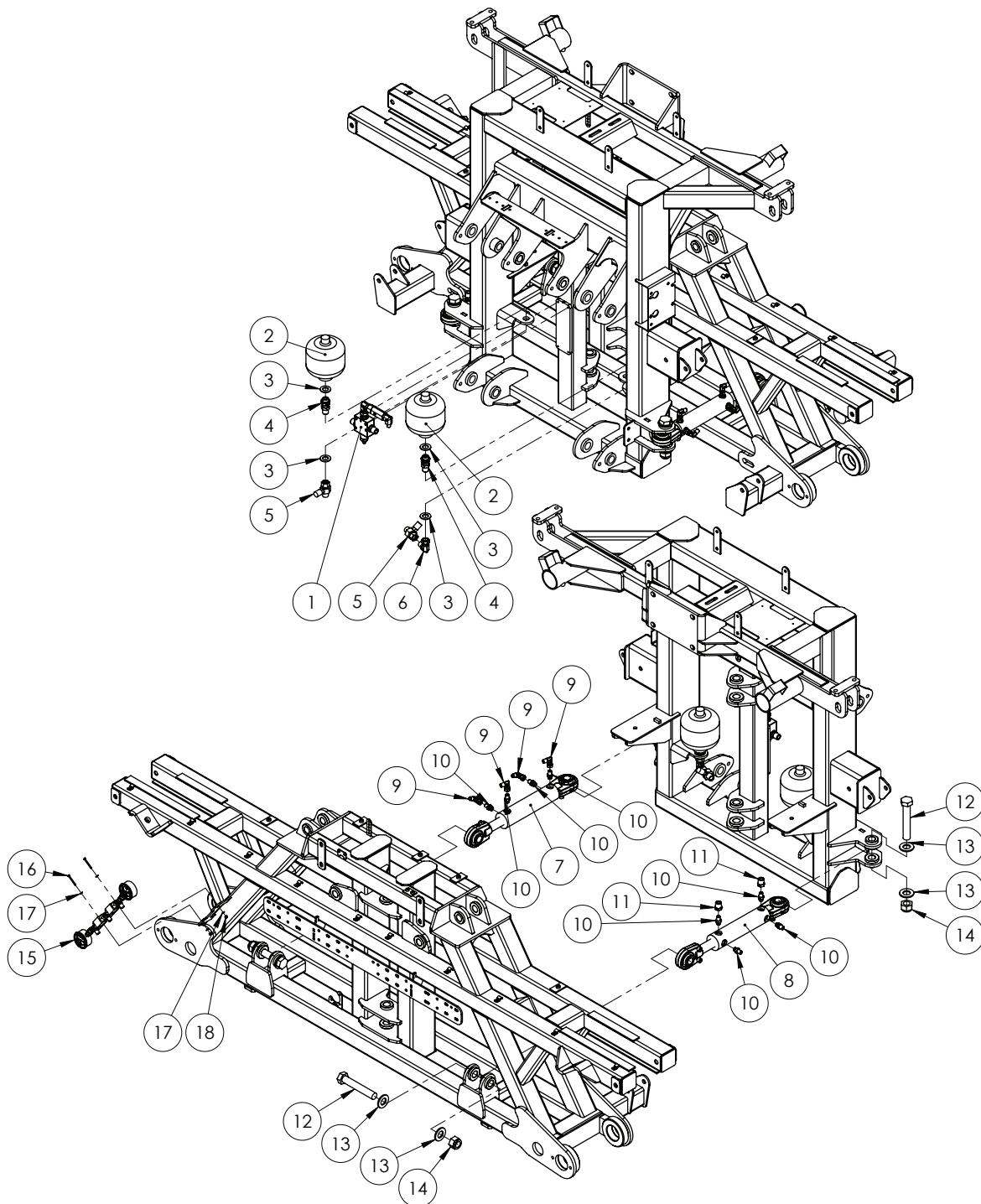
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
15	GA5001223	Circlip, 19mm, E type, zinc plated	2
16	L003A	Pin, 1 1/8" x 170mm, with circlip groove	4
17	GA5001883	Circlip, E type, 24mm, Zinc plated	4
18	*	Cable Mount Rear, Flat fold, 24-36m LH	1
19	*	Cable Mount Rear, Flat fold, 24-36m RH	1
20	GA5012463	Nut M16 Nyloc SS	2
21	GA5001009	Washer 16mm Flat ZP HD	4
22	GA5075220	Glacier bush flanged 16mm suit boom cable pivot	2
23	GA5000949	Bolt M16 x 70 GR8.8 ZP	2
24	~	Boom Cable Springs	2
25	GA4656200	Rose end, Bolt on, RH, Suit 24 - 36m boom	1
26	GA4656201	Rose end, Bolt on, LH, Suit 24 - 36m boom	1
27	GA5050450	Grease nipple 6mm	6
28	GA3500147	Hydraulic adaptor, Nipple, 9/16" JIC male x 3/4" UN male O-ring	4
29	GA4653316	Ram mount, 1"	2
30	GA5075060	Glacier bush 60mm ID 50mm long	4
31	DB-ADJ-02	Bush, Short, 40 OD x 25.5 ID x 23.75 mm long	4
32	GA4572135	Spacer bush, 40 OD x 25.8 ID x 9 mm thick, Paralift arm spacer	4

* Sub-assembly on following pages

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

^ See Chapter 18 'Hydraulics' for sub-assembly

Boom Centre - Yaw Assembly



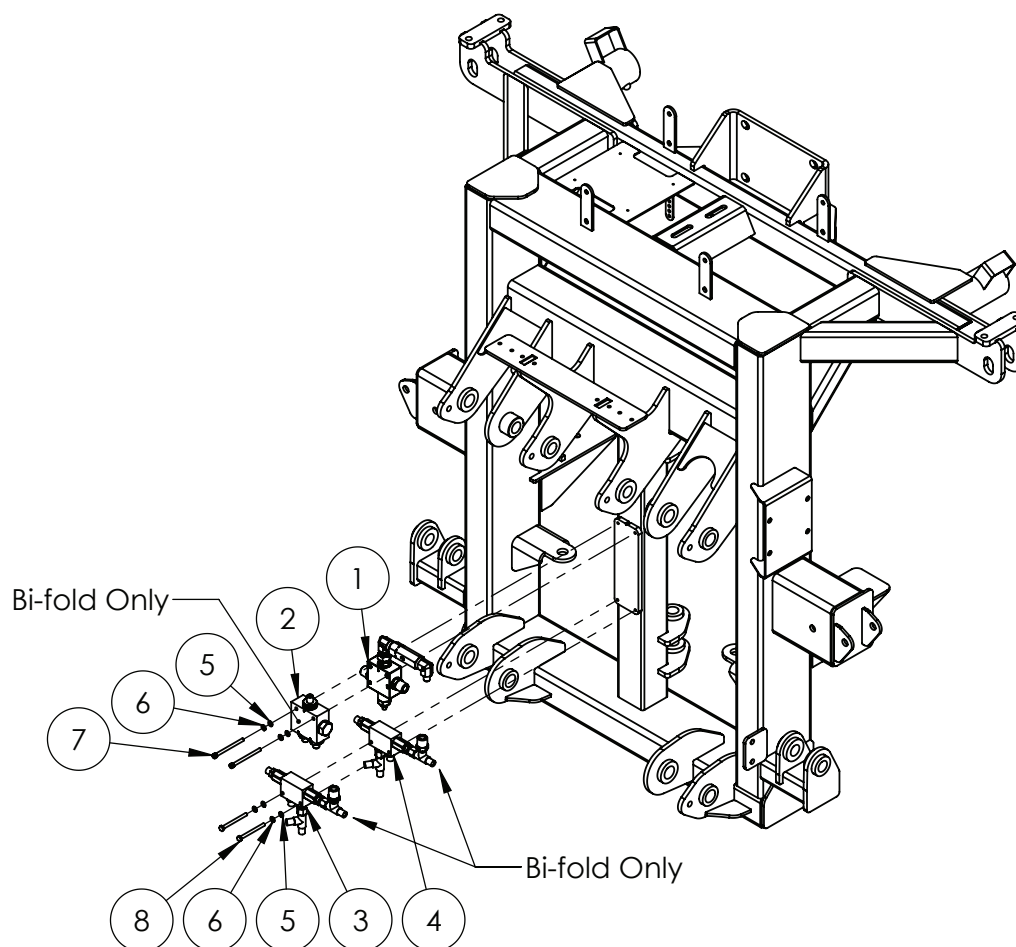
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Boom Centre - Yaw Assembly

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

^ See Chapter 18 'Hydraulics' for sub-assembly

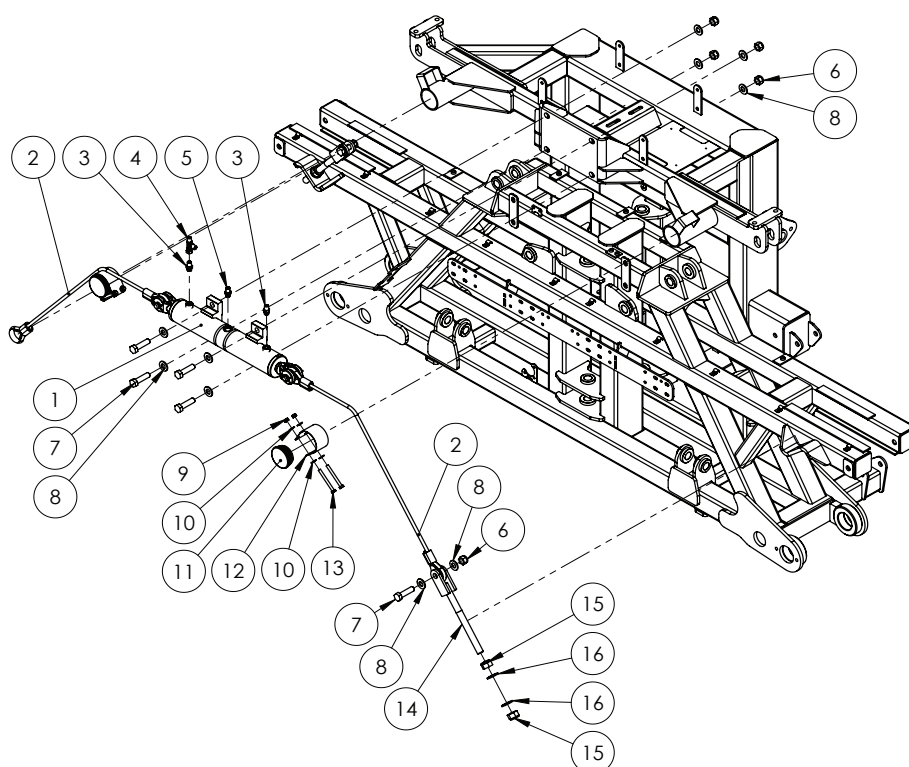
Boom Centre - Flow Dividers & Check Valves



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	^	Pressure Reducer Valve Assembly, Crop Cruiser & Prairie	2
2	^	Hydraulic Valve, Flow Divider, 1 - 3 l/min - Bi-fold only	1
3	^	Double Pilot Check Valve - LH	1
4	^	Double Pilot Check Valve - RH	1
5	GA5004437	Washer 6mm Flat SS - No bi-fold	2
	GA5004437	Washer 6mm Flat SS - Bi-fold	4
6	GA5004447	Washer 6mm Spring SS - No bi-fold	2
	GA5004437	Washer 6mm Flat SS - Bi-fold	4
7	GA5004091	Bolt M6 x 50 GR8.8 ZP - No Bi-fold	2
	GA5011441	SHCS M6 x 80 GR12.9 ZP - Bi-fold	2
8	GA5004107	Bolt M6 x 70 GR8.8 ZP	2

^ See Chapter 18 'Hydraulics' for sub-assembly

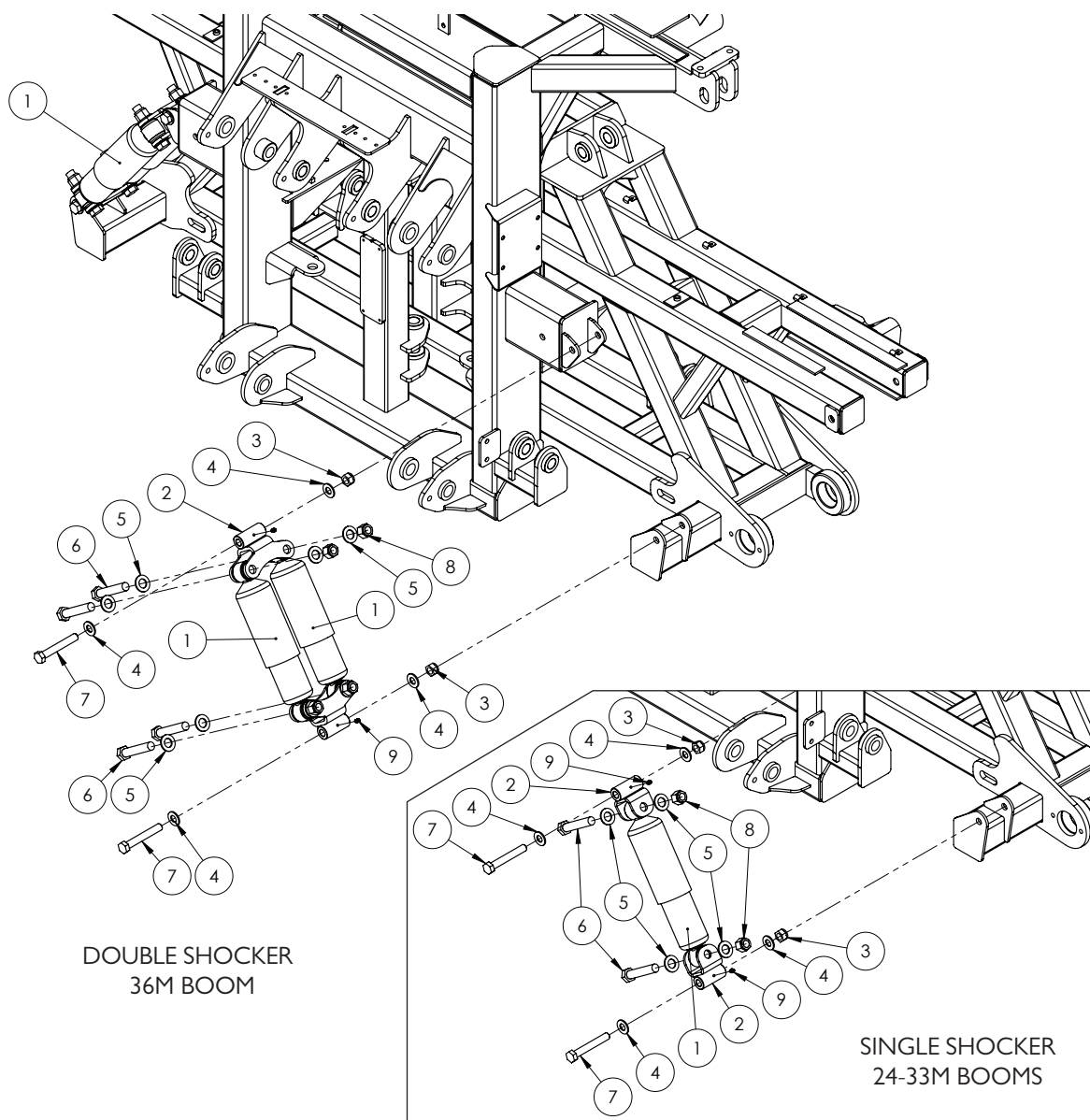
Boom Centre - Level



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500477^	Hydraulic Cylinder, Bore 2.5", Rod 1", Stroke 110mm, Back to Back	1
	GA1100037	Centre Lock Cable Kit	2
	GA5000215	Thimble, 11 - 12, suit 10mm Cable	4
2	GA5000073	Cable, 10mm, Solid core, Heavy duty, Galvanised, Specify length at time of order	2
	GA5005391	Ferrule, Aluminium, 40 long x 4.5mm wall, Code 11, suit 10mm cable	4
3	GA3500358	Hydraulic adaptor, Nipple, 1/4" BSPT male x 9/16" UN male O-ring	2
4	GA3500199	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPP female	1
5	GA3500359	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/4" UN male O-ring	1
6	GA5001029	Nut M16 Nyloc ZP	6
7	GA5000941	Bolt M16 x 60 GR8.8 ZP	6
8	GA5001009	Washer 16mm Flat ZP HD	12
9	GA5052590	Nut M8 Nyloc SS	4
10	GA5003643	Washer 8mm Flat ZP HD	8
11	GA5050355	End cap, 76.1 mm round, suit 65 NB pipe, Black plastic	2
12	GA4506750	Wear Strip SS for Centre Leveling Cables	2
13	GA5022480	Bolt M8 x 100 SS A2-70	4
14	GA5020320	Cable Adjuster, threaded, M20	2
15	GA5048125	Nut M20 Nyloc Coarse ZP	4
16	GA5001741	Washer 20mm Flat SS HD	4

^ See Chapter 18 'Hydraulics' for sub-assembly

Roll Shocker Assembly



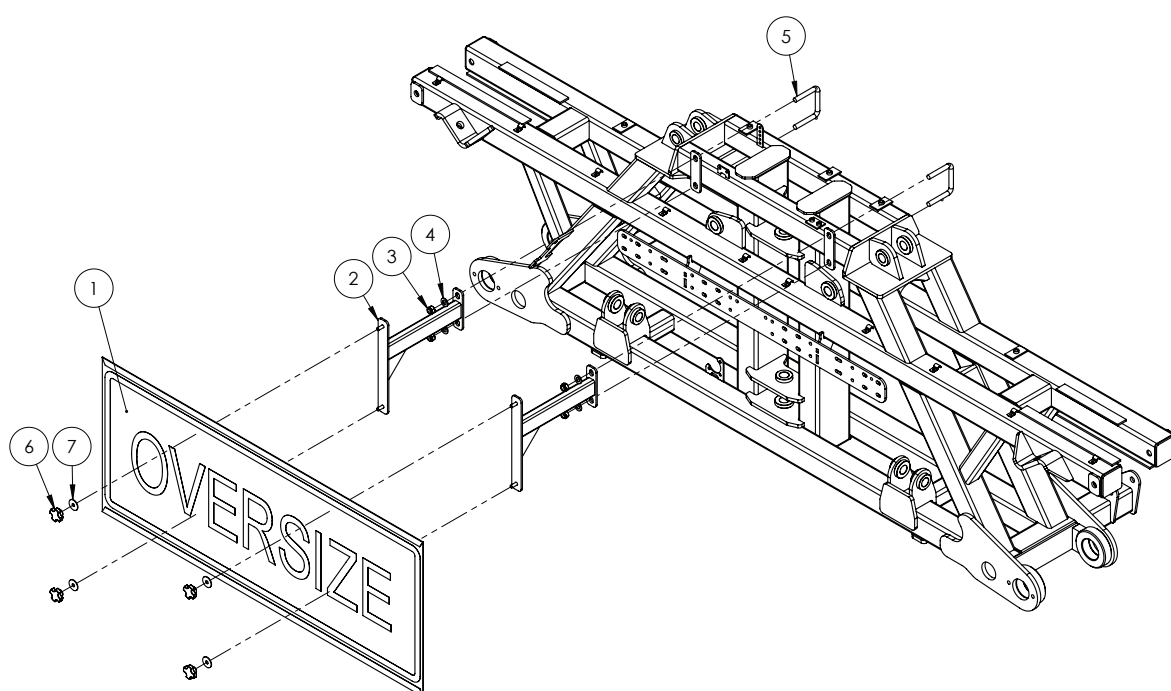
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5015139	Shock Absorber, Double eye, 19mm eye, 82mm OD - 24-33m Boom	2
		Shock Absorber, Double eye, 19mm eye, 82mm OD - 36m Boom	4
2	GA4658140	Mounting bracket, Single roll shock absorber - 24-33m Boom	4
	GA4659360	Mounting bracket, Dual roll shock absorber - 36m Boom	4
3	GA5048430	Nut, Nyloc, 3/4" UNC, ZP	8
4	GA5001043	Washer 16mm Flat SS HD	8
5	GA5001741	Washer 20mm Flat SS HD - 24-33m Boom	8
		Washer 20mm Flat SS HD - 36m Boom	16

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Roll Shocker Assembly

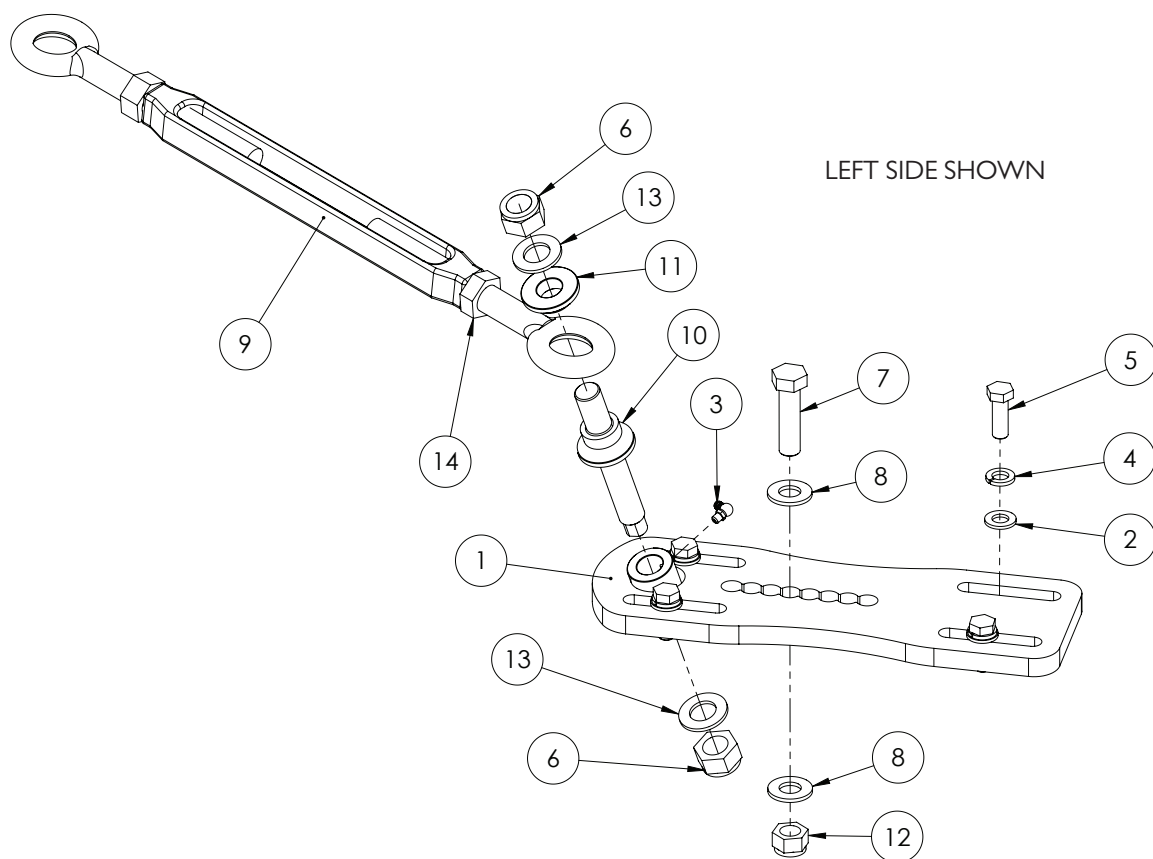
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
6	GA5049490	Bolt 3/4" UNC x 4" ZP GR8 - 24-33m Boom	4
		Bolt 3/4" UNC x 4" ZP GR8 - 36m Boom	8
7	GA5000941	Bolt M16 x 60 GR8.8 ZP	4
8	GA5048430	Nut 3/4" UNC Nyloc ZP - 24-33m Boom	4
		Nut 3/4" UNC Nyloc ZP - 36m Boom	8
9	GA5012203	Grease nipple, Short, 1/4" UNF	4

Oversize Sign Mount



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5009613	Oversize sign, Yellow, Reflective with folded edges	1
2	GA4658150	Bracket, Oversize sign mount arm, Bolt on	2
3	GA5012461	Nut M12 Nyloc ZP	4
4	GA5000577	Washer 12mm Flat SS HD	4
5	GA5075160	U bolt, Square top M12 x 76 x 80 mm	2
6	GA5069875	Knob, Star grip nut M8 x 40 diameter	4
7	GA5003645	Washer 5/16" ID x 1 1/4" OD Flat SS	4

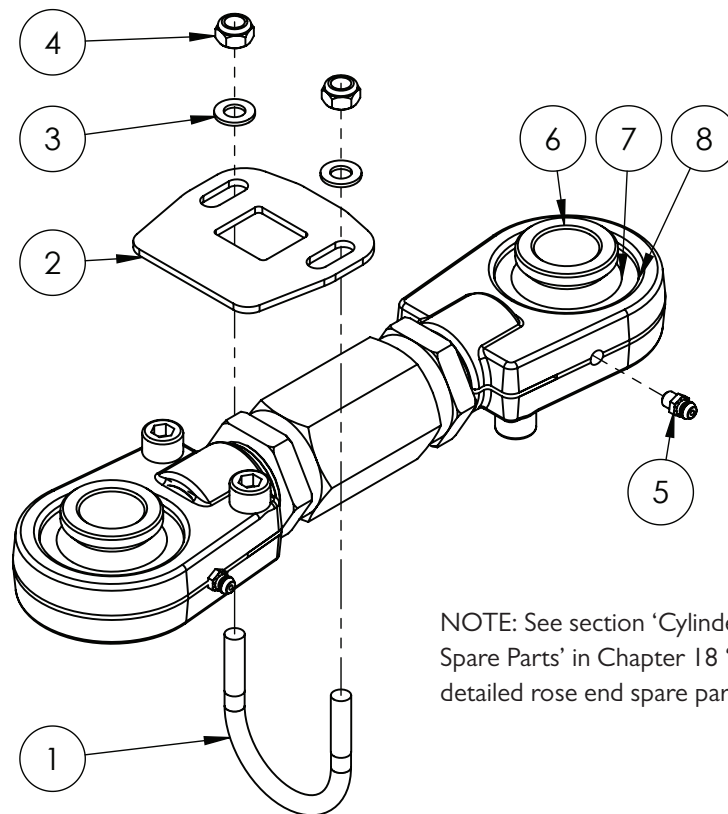
TriTech - Cable Mount Rear



Quantities shown are per side.

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

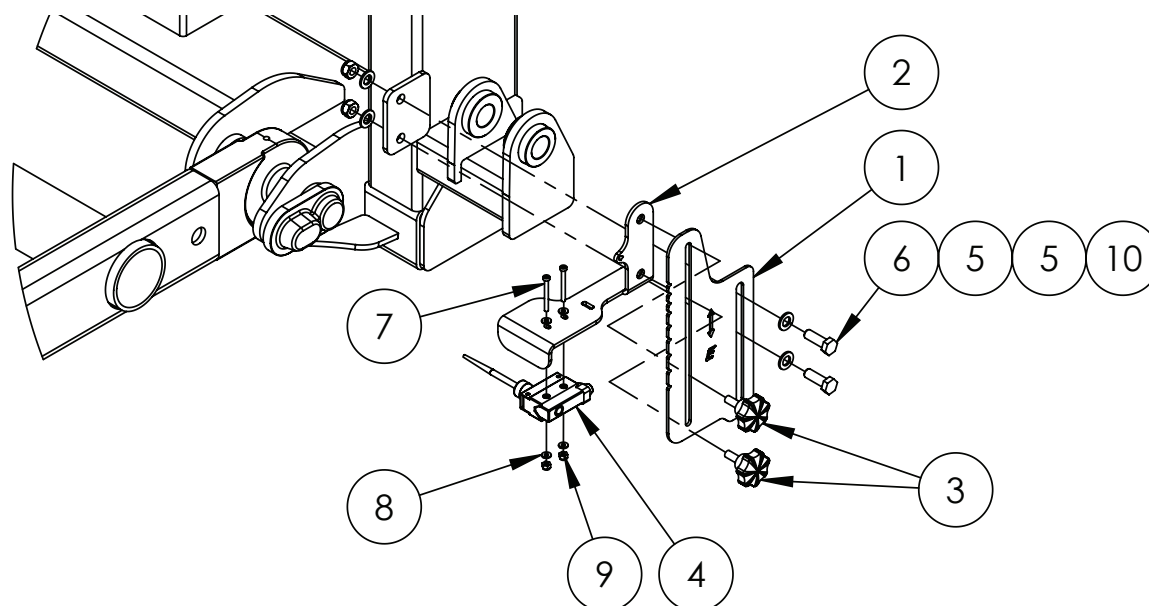
Delta Link



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

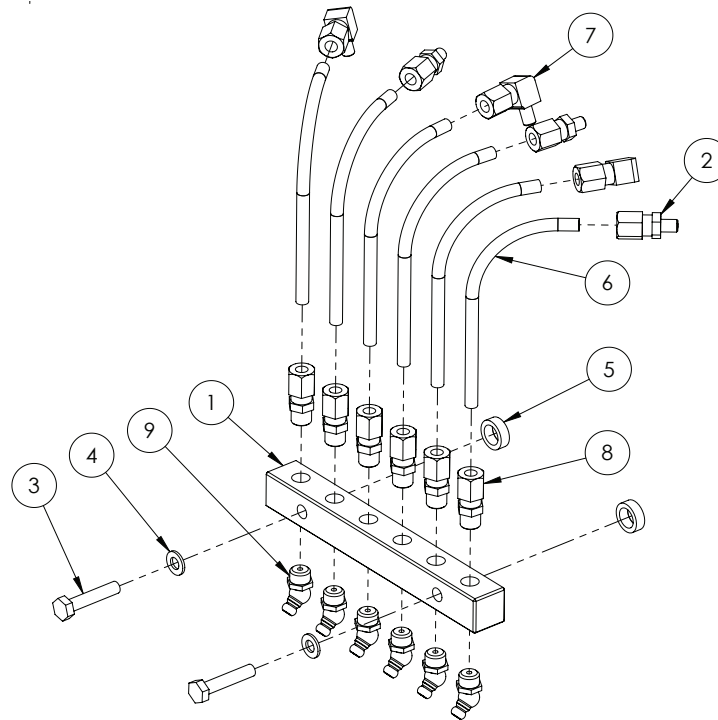
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	DELTA-LINKSA	Delta link, short, heavy duty, adjustable - Locking plate not included	-
1	GA4524140	Locking plate, suit adjustable delta link SS	1
2	GA5018245	U bolt, Round top, M8 x 50 x 60mm	1
3	GA5052590	Nut M8 Nyloc SS	2
4	GA5003643	Washer 8mm Flat SS HD	2
5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

Lower Limit Switch - Raven

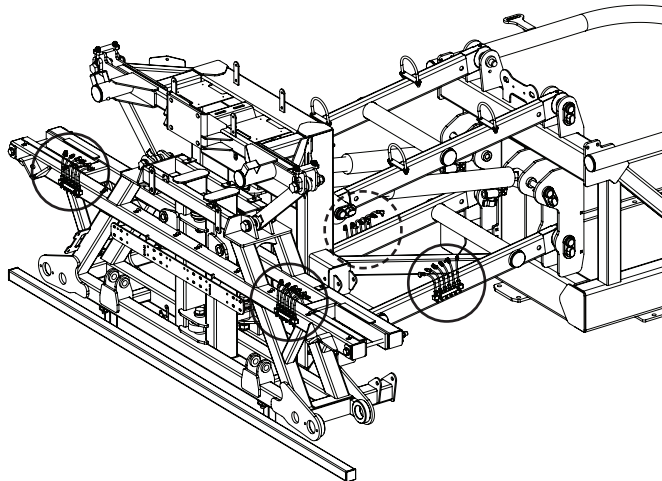


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4523965	Boom Height adjustment bracket	1
2	GA4654161	Paralift switch bracket	1
3	GA5067080	M8 x 20 Plastic Knob Bolt	2
4	GA5012129	Limit switch, Flexible arm, Micro, IP65, 10 Amp	1
5	GA5000117	Washer 10 mm Flat SS HD	4
6	GA5065455	Bolt M10 x 30 GR8.8 ZP	2
7	GA5049800	SHCS M4 x 40 GR12.9 ZP	2
8	GA5020510	Washer 4mm Flat SS	4
9	GA5049025	Nut M4 Nyloc SS	2
10	GA5000141	Nut M10 Nyloc ZP	2

Remote Manual Grease Station

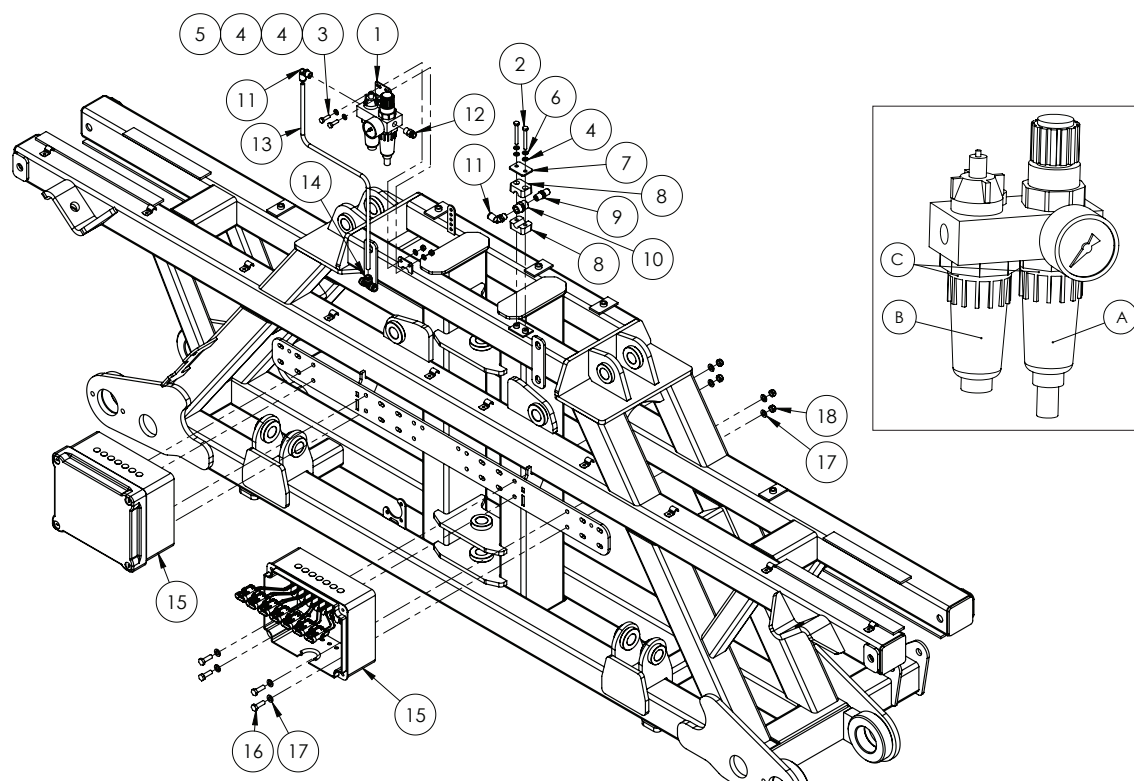


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070000	Grease Fitting Assembly - Includes GA5069995 & GA5055125	1
2	GA5069985	Grease fitting line connector straight 6mm	3
3	GA5004079	Set Screw M6 x 30 ZP GR8.8	2
4	GA5004437	Washer 6mm Flat SS	2
5	GA4552080	Crush tube, 10.2 ID x 15 OD x 5mm long	2
6	GA5070005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



MANUAL GREASE STATION LOCATIONS

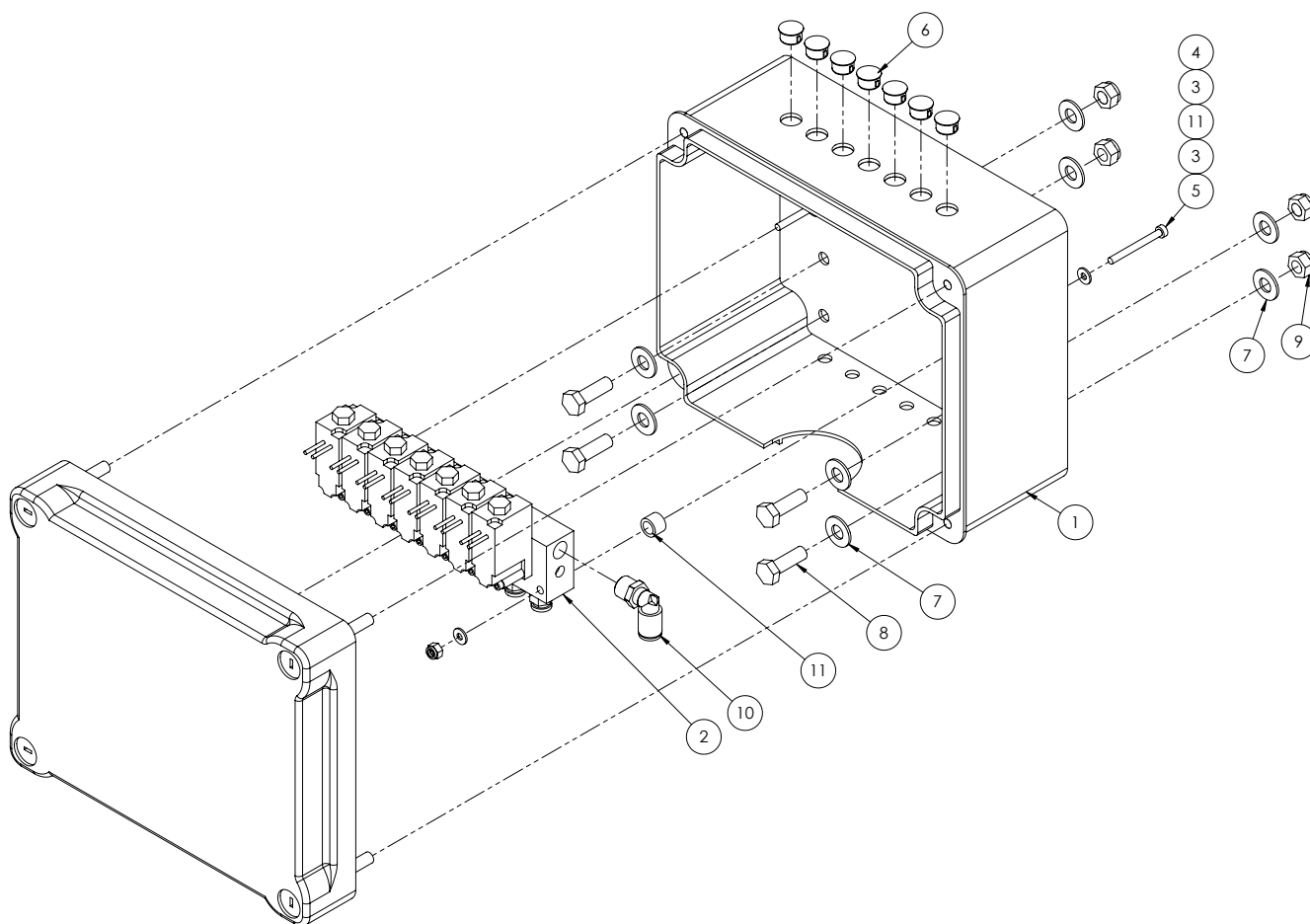
RapidFire Components



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
A	GA5054620	Bowl, suit air dryer / oiler GA5068806	1
B	GA5054625	Bowl Lubricator, suit air dryer / oiler GA5068806	1
C	GA5071805	O-Ring Seal, 33x2mm, Suits GA5068806 Pneumatic Air Line Oiler Reservoir	-
1	GA5068806	Pneumatic Mini Filter Oiler and Regulator	1
2	GA5004065	Bolt M6 x 20 GR8.8 ZP	2
3	GA5004437	Washer 6mm Flat SS	6
4	GA5048115	Nut M6 Nyloc ZP	2
5	GA5004091	Bolt M6 x 50 GR8.8 ZP	2
6	GA5004447	Washer 6mm Spring SS	2
7	GA5078068	Mounting clamp, Single type, Plate, Top, Group 2	1
8	GA5078058	Mounting clamp, Single type, Jaw, Pair, Group 3, 14mm	2
9	GA3500218	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPT male	1
10	GA3500211	Hydraulic adaptor, Socket, 1/4" BSPT female x 1/4" BSPT female	1
11	GA5052690	Elbow Swivel push in 8 mm x 1/4" BSP	2
12	GA5052695	Straight Adaptor, Push in, 8 mm x 1/4" BSP	1
13	GA5004382	Tube, Nylon, 8mm, Black - Specify length required	1
14	GA5067010	Equal Tee push in 8mm	1
15	*	Rapidfire 7-12 Section Solenoid Box	2
16	GA5004711	Bolt M8 x 25 GR8.8 ZP	8
17	GA5003643	Washer 8mm Flat SS HD	16
18	GA5052590	Nut M8 Nyloc SS	8

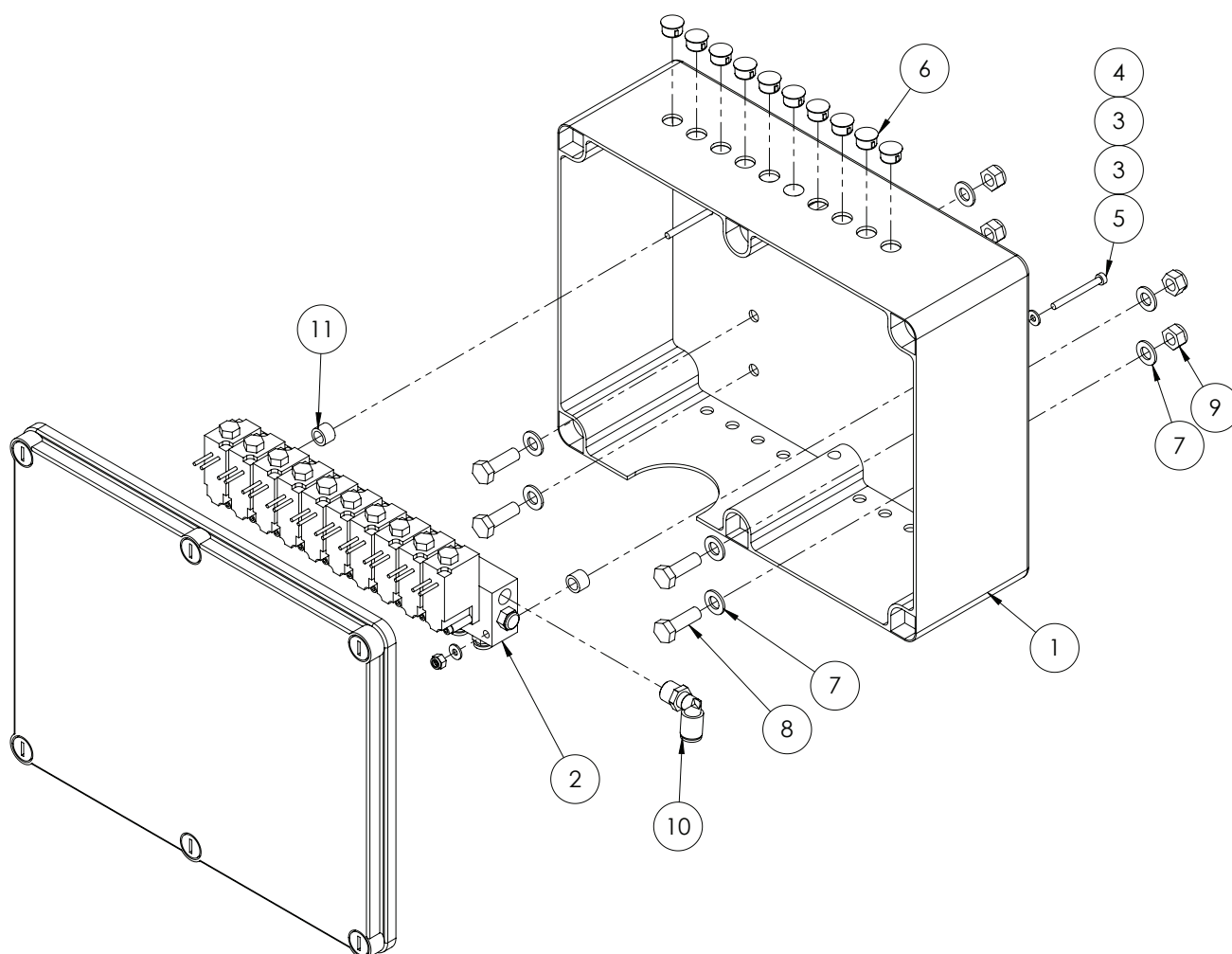
* Sub-assembly on following pages

RapidFire 7 Section Solenoid Box



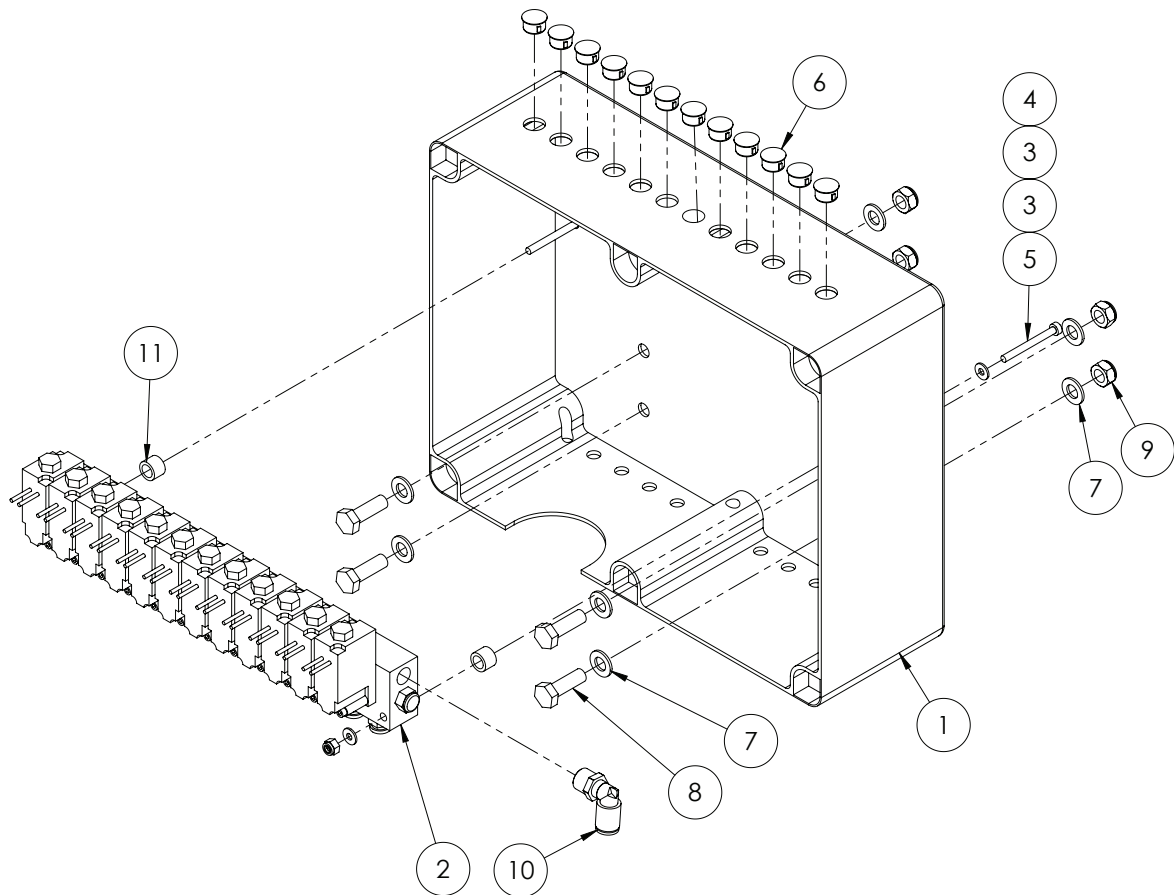
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054085	Box plastic electrical, 241 x 194 x 127mm	1
2	GA5068805	Valve, Pneumatic solenoid, 7 section bank, bare wires, 6mm outlets, 8mm inlet	1
3	GA5020510	Washer 4mm Flat SS	4
4	GA5049025	Nut M4 Nyloc SS	2
5	GA5049800	SHCS M4 x 40 ZP GR12.9	2
6	GA5048780	Dome plug 12mm	7
7	GA5003643	Washer 8mm Flat SS HD	8
8	GA5004711	Bolt M8 x 25 ZP GR8.8	4
9	GA5052590	Nut M8 Nyloc SS	4
10	GA5018339	Pneumatic fitting, Elbow, 90 degree, 8mm push type fitting x 1/8' male thread	1
11	GA4572280	Crush tube, 11.8 OD x 8 ID x 8.5mm long	2

RapidFire 10 Section Solenoid Box



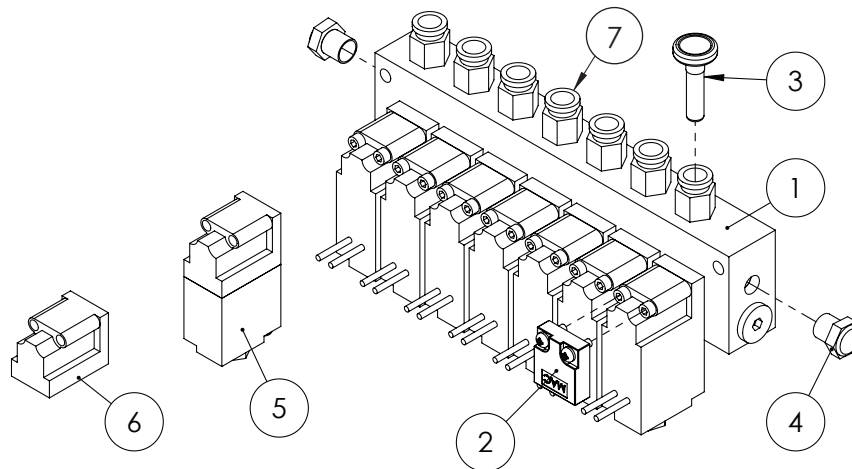
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054090	Box plastic electrical 310 x 240 x 110mm	1
2	GA5070630	Valve, pneumatic solenoid bank 10 section, bare wires, 6mm outlets, 8mm inlet	1
3	GA5020510	Washer 4mm Flat SS	4
4	GA5049025	Nut M4 Nyloc SS	2
5	GA5049800	SHCS M4 x 40 ZP GR12.9	2
6	GA5048780	Dome plug 12mm	7
7	GA5003643	Washer 8mm Flat SS HD	8
8	GA5004711	Bolt M8 x 25 ZP GR8.8	4
9	GA5052590	Nut M8 Nyloc SS	4
10	GA5018339	Pneumatic fitting, Elbow, 90 degree, 8mm push type fitting x 1/8' male thread	1
11	GA4572280	Crush tube, 11.8 OD x 8 ID x 8.5mm long	2

RapidFire 12 Section Solenoid Box



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5054090	Box plastic electrical 310 x 240 x 110mm	1
2	GA5070631	Valve, pneumatic solenoid bank 12 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 HD	8
8	GA5004711	Bolt M8 x 25 ZP GR8.8	4
9	GA5052590	Nut M8 Nyloc SS	4
10	GA5018339	Pneumatic fitting, Elbow, 90 degree, 8mm push type fitting x 1/8' male thread	1
11	GA4572280	Crush tube, 11.8 OD x 8 ID x 8.5mm long	2

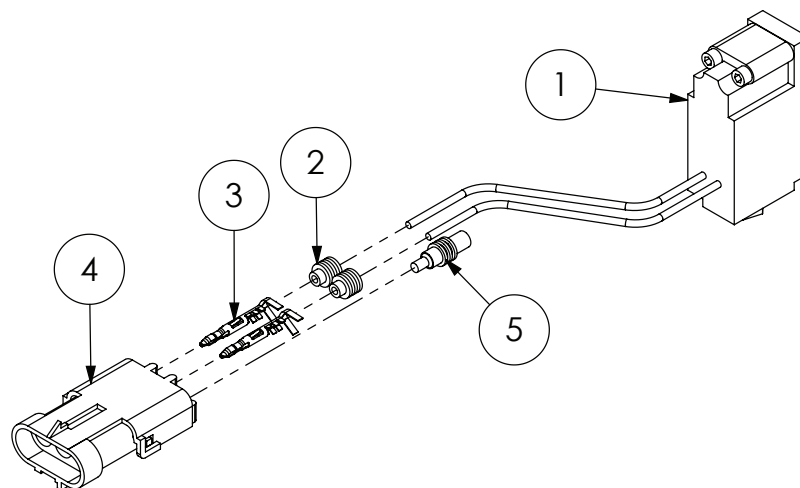
RapidFire Solenoid Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5068805	Valve, Pneumatic solenoid, 7 section bank, 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	GA5054430	Solenoid valve, MAC 3/2 pneumatic, Viton seals, 12V, Bare wires	1
6	GA5054431	Valve, MAC 35A replacement valve only no solenoid, includes bolts and viton seal, blue	1
7	GA5071195	Straight Adaptor Push in 6mm x 1/8" Male thread	7

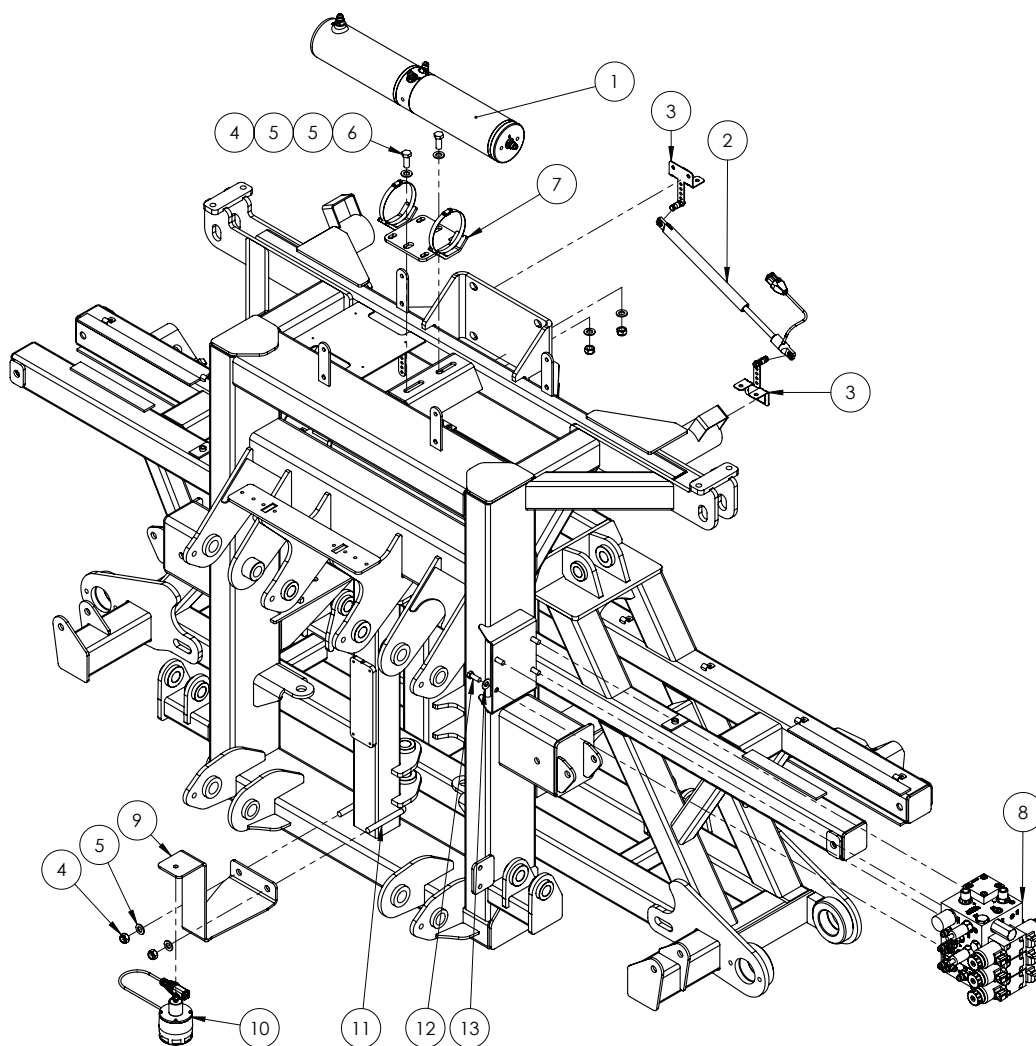
NOTE: Quantities will vary depending on number of sections optioned.

RapidFire 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

Norac System



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500136	Hydraulic cylinder, Wing roll with position sensor, Norac	1
	GA3500146	Hydraulic adaptor, Nipple, 9/16" JIC male x 9/16" UN male O-ring	4
2	GA3000127	Sensor, Linear position NF, UC5, Norac	1
3	GA5075480	Bracket, Linear position sensor mount, Norac	2
4	GA5012461	Nut M12 Nyloc ZP	4
5	GA5000577	Washer 12mm Flat SS HD	6
6	GA5000305	Set Screw M12 x 30 GR8.8 ZP	2
7	GA5075495	Mounting bracket suit 2017 on AWR Cylinder, with clamps, Black	1
8	^	Norac Valve Block	1
9	GA4510595	Plate, Mount, Norac Ultrasonic Sensor, Centre Section	1
10	GA3000128	Ultrasonic sensor, UC5	1
11	GA5011259	U Bolt Square top M12 x 76mm x 110mm	1
12	GA5002601	Bolt 3/8" UNC x 1" GR8 ZP Yellow	4
13	GA5017623	Washer 3/8" Flat ZP HD	4

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

Norac Spare Parts List

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

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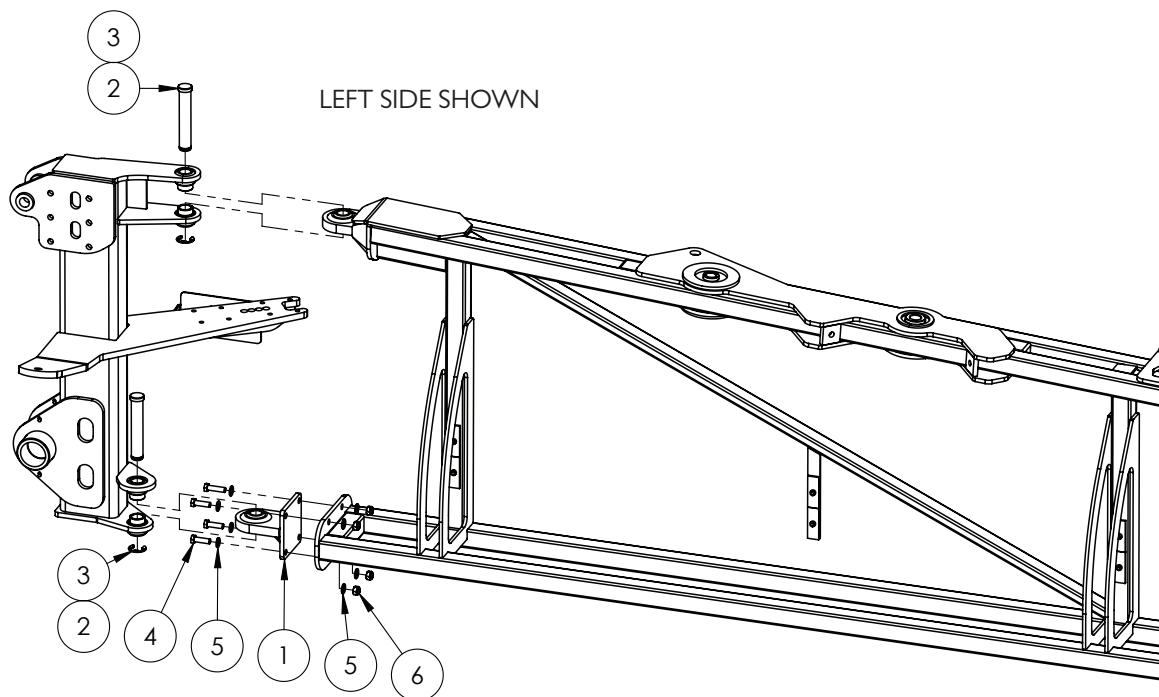
Norac Spare Parts List

ITEM NO.	PART NUMBER	DESCRIPTION
40	GA3500146	Hydraulic adaptor, Nipple, 9/16" JIC male x 9/16" UN male O-ring
41	GA3500144	Hydraulic adaptor, Tee, 9/16" JIC male x 9/16" JIC male x 9/16" JIC female swivel
42	GA3500145	Hydraulic adaptor, Nipple, 3/8" BSPP male x 9/16" JIC male
43	GA3500147	Hydraulic adaptor, Nipple, 9/16" JIC male x 3/4" UN male O-ring
44	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel

Chapter 14

BOOM WINGS

Boom Pivots

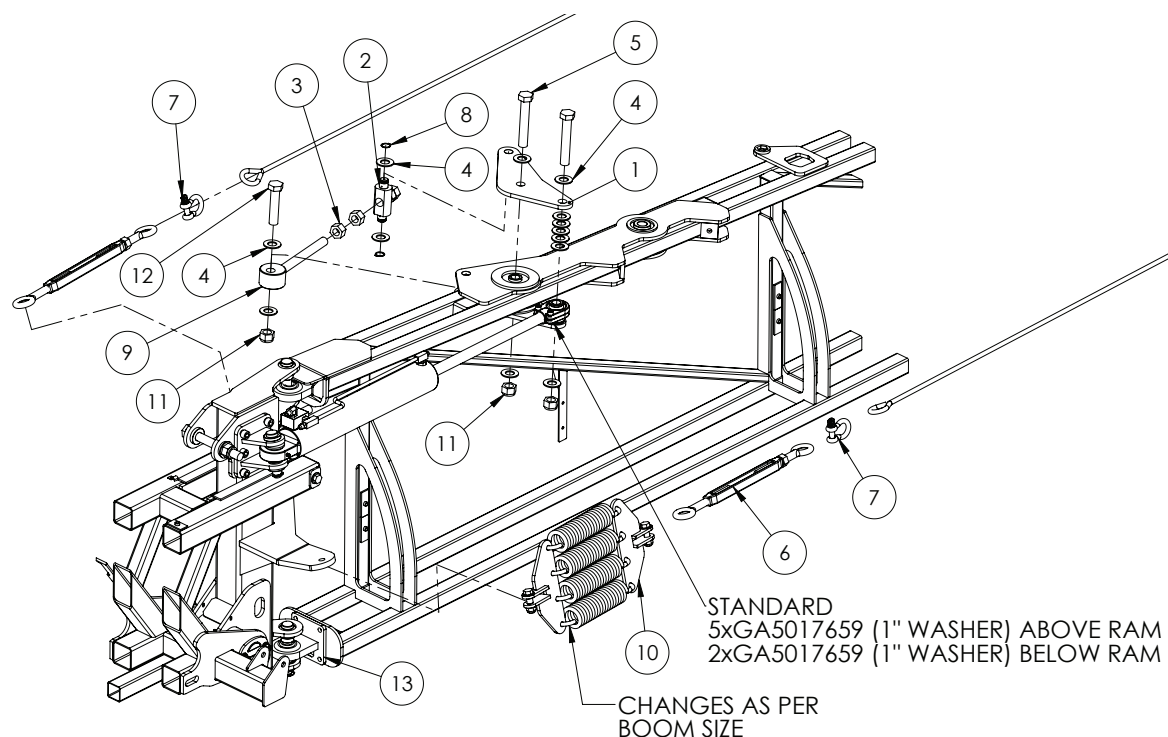


Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4535285~	Shim, 1mm, Lower rose end	-
	GA4535355~	Shim, 3mm, Lower rose end	
	GA4535360~	Shim, 5mm, Lower rose end	
1	GA4656200	Rose end, Bolt on, RH, Suit 24 - 36m boom	1
	GA4656201	Rose end, Bolt on, LH, Suit 24 - 36m boom	
2	L003A	Pin, 1 1/8" x 170mm, with circlip groove	2
3	GA5001883	Circlip, E type, 24mm, Zinc plated	2
4	GA5000327	Set Screw M12 x 45 GR8.8 ZP	4
5	GA5000577	Washer 12mm Flat SS HD	8
6	GA5012461	Nut M12 Nyloc ZP	4

~ NOTE: Quantity will vary depending on adjustments needed.

Boom Fold Adjuster



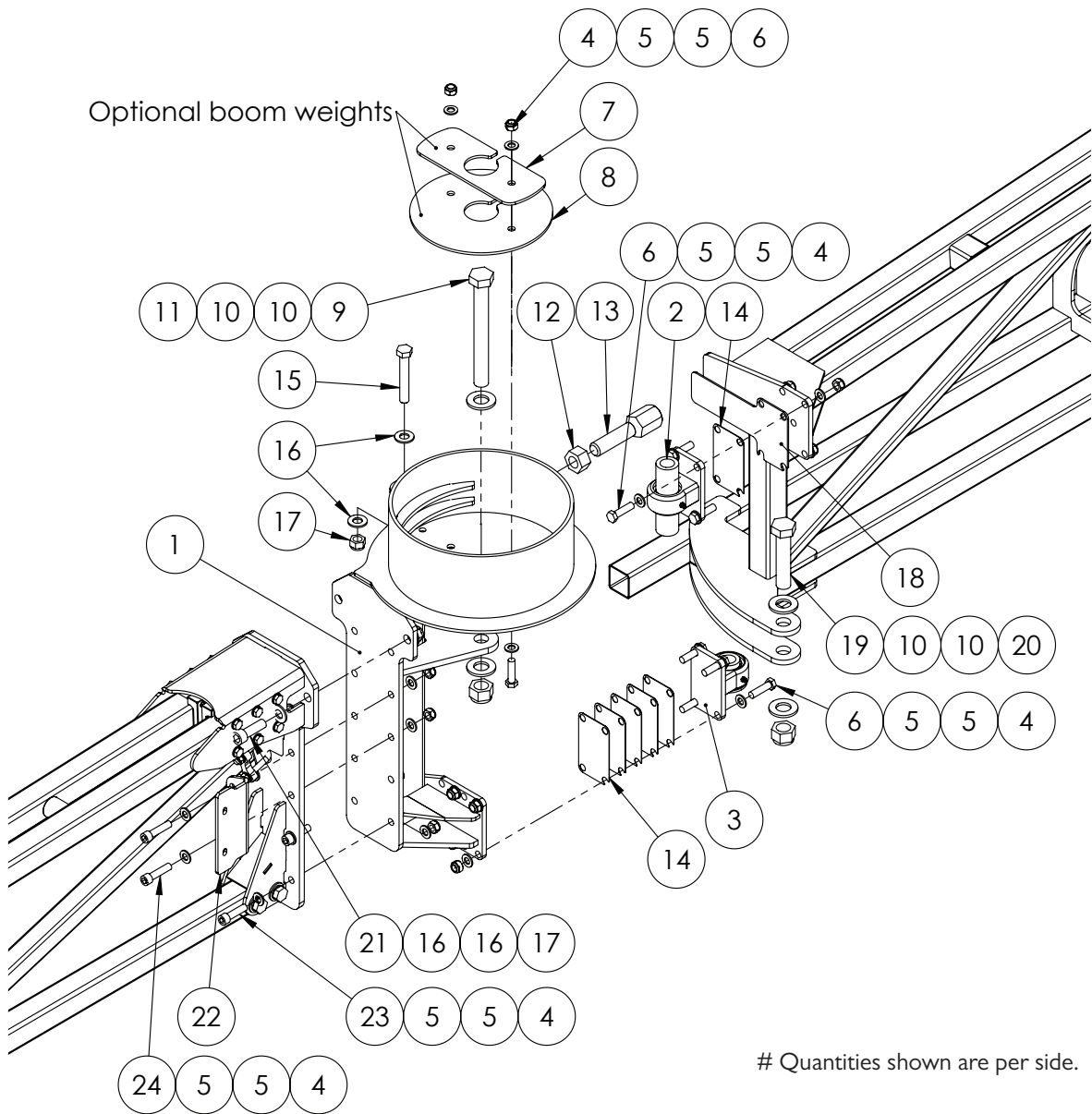
Quantities shown are per side.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	24mk4DB005LAS	Fold ram adjuster plate suit tritec boom	2
2	24MK4DB006	Bush / pin, Fold ram adjuster nut and bolt retainer	1
3	GA5010991	Nut 1" UNF 12 TPI ZP	4
4	GA5017681	Washer 1" x 2" 7g Flat Thin SS	15
5	GA5006043	Bolt 1" UNF 14 TPI x 6" ZP GR8	2
6	GA5017061	Turnbuckle, Eye ends, M22 thread & lock nut, Galvanised	1
7	GA5075230	Bow Shackle 13mm WLL 3.25T Black	2
8	GA5008519	Circlip external 25mm	2
9	GA5070775	Boom fold adjuster eyelet bolt, HD	1
10	*	Boom Cable Springs - 24-36m	1
11	GA5012445	Nut 1" UNF 14 TPI Nyloc ZP	3
12	GA5006039	Bolt 1" UNF 14 TPI x 4 1/2" ZP GR8	1
13	GA4535285~	Shim, 1mm, Lower rose end, Delta boom	-
	GA4535355~	Shim, 3mm, Delta boom rose joint	-
	GA4535360~	Shim, 5mm, Delta boom rose joint	-

* Sub-assembly on following pages

~NOTE: Quantities will vary depending on adjustment needed.

Cable Drum



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

Continued over page

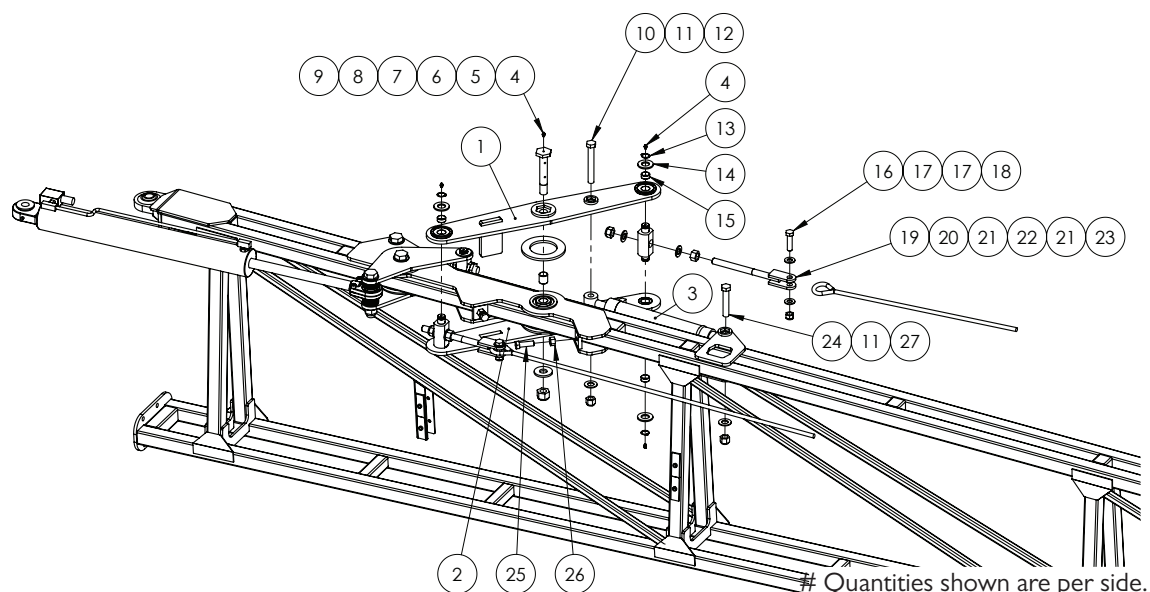
Cable Drum

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

* Sub-assembly on following pages

Quantities shown are per side.

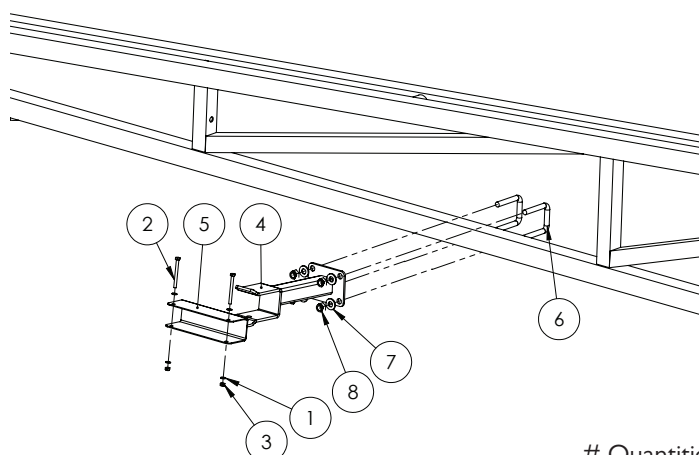
Bi-Fold



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656290	Boom Bi-Fold Top Bracket	1
2	GA4656295	Boom Bi-Fold Bottom Bracket	1
3	^	Hydraulic Cylinder - Bi-fold	1
4	GA5012203	Grease nipple, Short, 1/4" UNF	7
5	2SF-007	Pivot pin	1
6	MACH0102	2nd stage pivot nylon washer black poly	2
7	GA5009467	Glacier Bush ID 25 x 30 mm long	2
8	2SF003LAS	2nd stage fold pivot washer 6mm FMS, 60 mm OD, 25.3 mm ID	1
9	GA5012469	Nut M24 Nyloc ZP	1
10	GA5070335	Bolt 3/4" UNC x 5 1/2" GR8 ZP	1
11	GA5001045	Washer 3/4" Flat ZP	2
12	GA5048430	Nut 3/4" UNC Nyloc ZP	1
13	GA5008519	Circlip, External, 25mm	4
14	GA5017681	Washer 1" x 2" 7g Flat Thin SS	4
15	GA5009463	Glacier Bush, ID 25 x 15 mm long	4
16	GA5000941	Bolt M16 x 60 GR8.8 ZP	2
17	GA5001043	Washer 16mm Flat SS HD	4
18	GA5001029	Nut M16 Nyloc ZP	2
19	GA5020320	Cable Adjuster, threaded, M20	2
20	GA5001709	Nut M20 Coarse ZP	2
21	GA5001741	Washer 20mm Flat SS HD	4
22	24MK4DB006	Bush / pin, Fold ram adjuster nut and bolt retainer	2
23	GA5048125	Nut M20 Nyloc Coarse ZP	2
24	GA5049490	Bolt 3/4" UNC x 4 GR8 ZP	1
25	GA5000931	Bolt M16 x 50 GR8.8 ZP	2
26	GA5012385	Nut M16 ZP	2
27	GA5049495	Nut 3/4" UNF Nyloc ZP	1

^ See Chapter 18 'Hydraulics' for sub-assembly

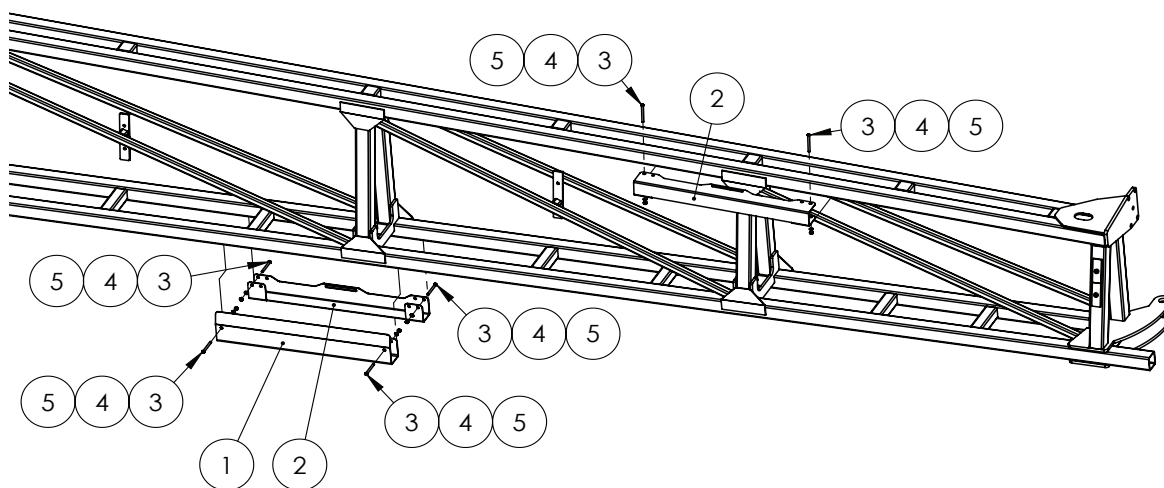
Boom Protector Assembly - Outer Wing



Quantities shown are per side.

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

Boom Protector Assembly - Inner Wing



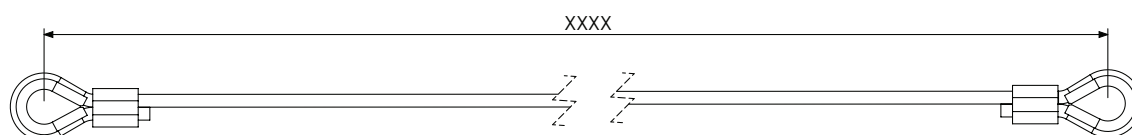
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4402215	Protector, Boom Cord, Suit 50 x 50, 600mm, Extended Guide, SS	1
2	GA4505005	Boom Slide Protector SS with cutout 2013	2
3	GA0500067	BHCS M6 x 65 GR12.9 ZP	6
4	GA5004437	Washer 6mm Flat SS	6
5	GA5048115	Nut M6 Nyloc ZP	6

Boom Cables 24-36m

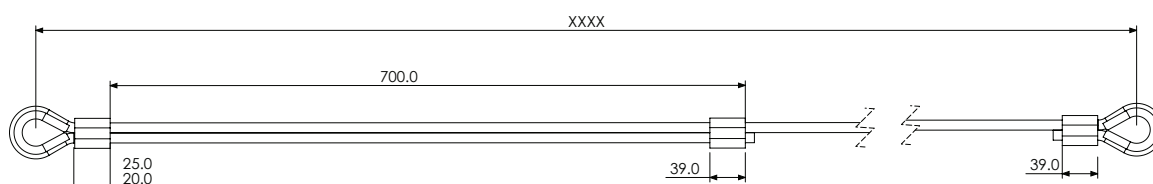
PART NUMBER	DESCRIPTION	QTY.
	Cable, 10mm, Solid core, Heavy duty, Galvanised	See below.
	24-30m - Front - Cable cut length (Eye to eye length 5140mm)	5490mm(x2)
	24-30m - Rear - Cable cut length (Eye to eye length 5760mm)	6830mm(x2)
	24-30m - Bi-fold Front - Cable cut length (Eye to eye length 4710mm)	5065mm(x2)
GA5000073	24-30m - Bi-fold Rear - Cable cut length (Eye to eye length 4700mm)	5720mm(x2)
	33-36m - Front - Cable cut length (Eye to eye length 6820mm)	7200mm(x2)
	33-36m - Rear - Cable cut length (Eye to eye length 7450mm)	8530mm(x2)
	33-36m - Bi-fold Front - Cable cut length (Eye to eye length 6170mm)	6765mm(x2)
	33-36m - Bi-fold Rear - Cable cut length (Eye to eye length 6170mm)	7465mm(x2)
GA5000215	Thimble, Cable, suit 11 - 12mm	8
GA5005391	Ferrule, Aluminium, 40 long x 4.5mm wall	10
GA5001965	Heat Shrink 25.4mm Black x 120mm long	10

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

FRONT CABLE



REAR CABLE

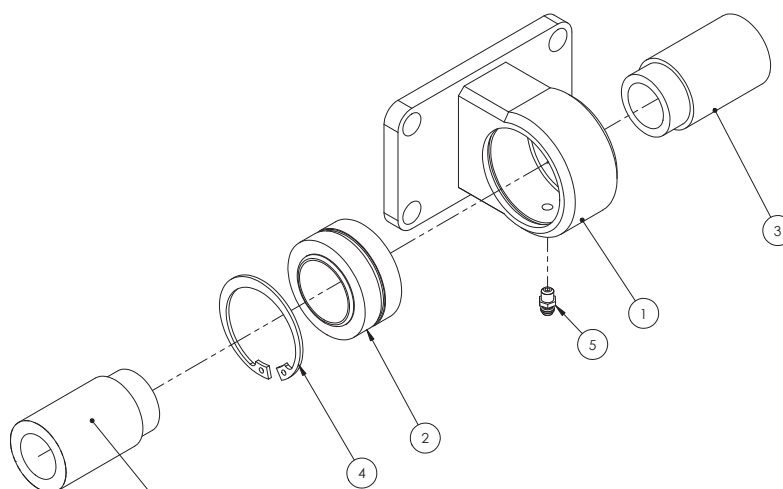


PRE-MADE FORM - SPECIFIC FITMENT 24-36M

PART NUMBER	DESCRIPTION	QTY.
GA4933660	Cable Front, Boom Bi-fold, TriTech 24 - 30m	2
GA4933680	Cable Front, Boom Bi-fold, TriTech 33 - 36m	2
GA4933670	Cable Front, Boom, TriTech 24 - 30m	2
GA4933640	Cable Front, Boom, TriTech 33 - 36m	2
GA4933665	Cable Rear, Boom Bi-fold, TriTech 24 - 30m	2
GA4933685	Cable Rear, Boom Bi-fold, TriTech 33 - 36m	2
GA4933675	Cable Rear, Boom, TriTech 24 - 30m	2
GA4933645	Cable Rear, Boom, TriTech 33 - 36m	2

Quantities shown are per side.

Upper Pivot Assembly

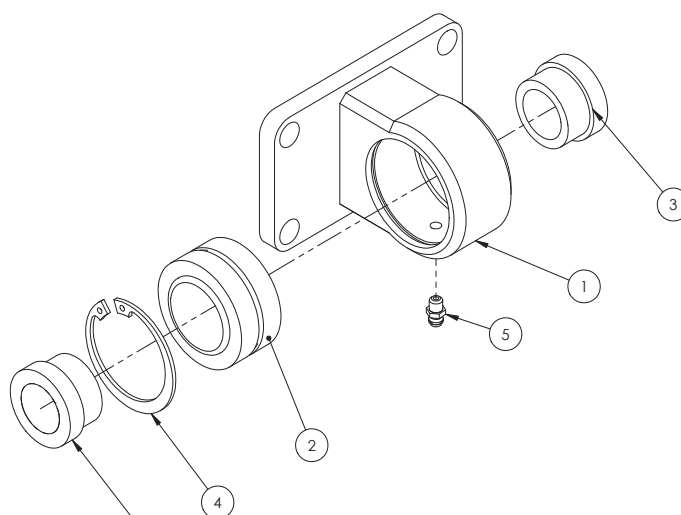


GA4932342 Upper pivot assembly 3

Quantities shown are per side.

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

Lower Pivot Assembly

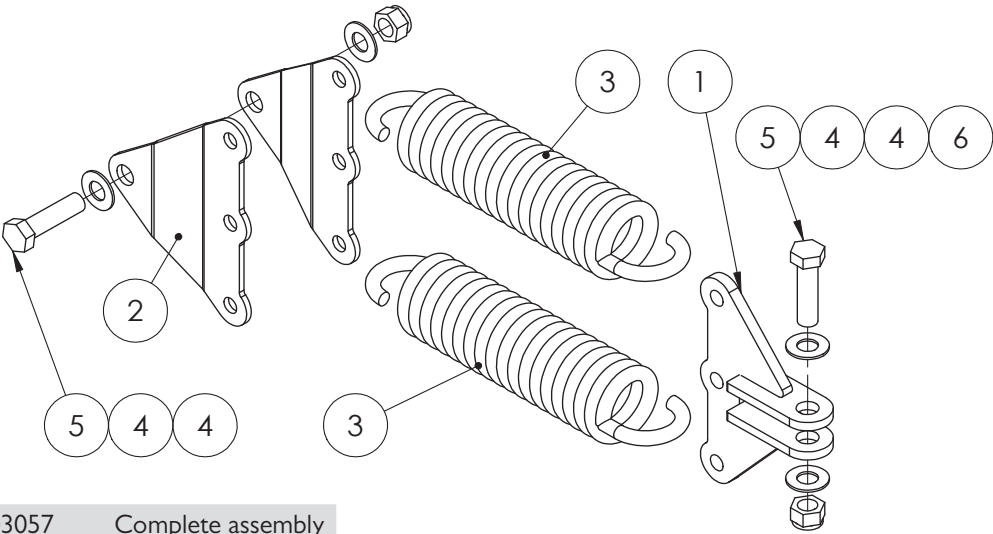


GA4932343 Lower pivot assembly 3

Quantities shown are per side.

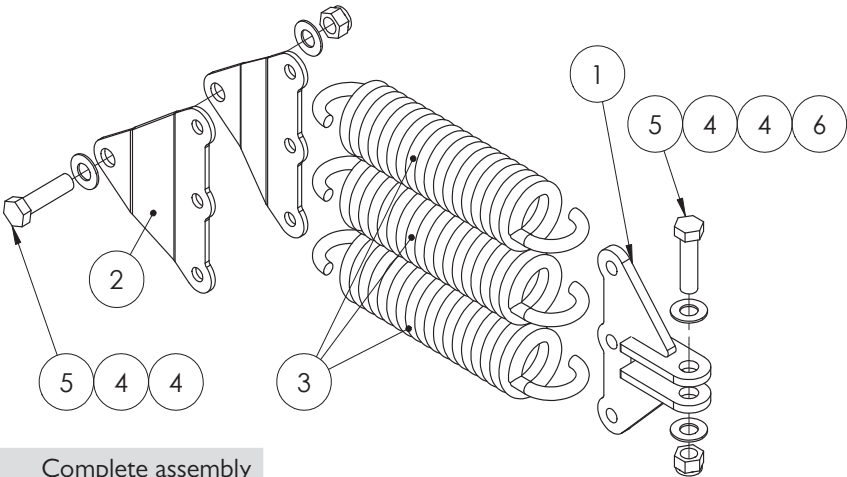
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656190	Boom hinge bearing Mount 24+	1
2	GA5015659	Bearing, Spherical bush, 34.925 ID x 55.663 OD x 30.150mm thick, GEZ34ES2RS	1
3	DB-ADJ-02	Bush, Short, 40 OD x 25.5 ID x 23.75mm long	2
4	GA5010573	Circlip, Internal, 55mm bore	1
5	GA5012203	Grease nipple, Short,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

Boom Cable Spring - 24m



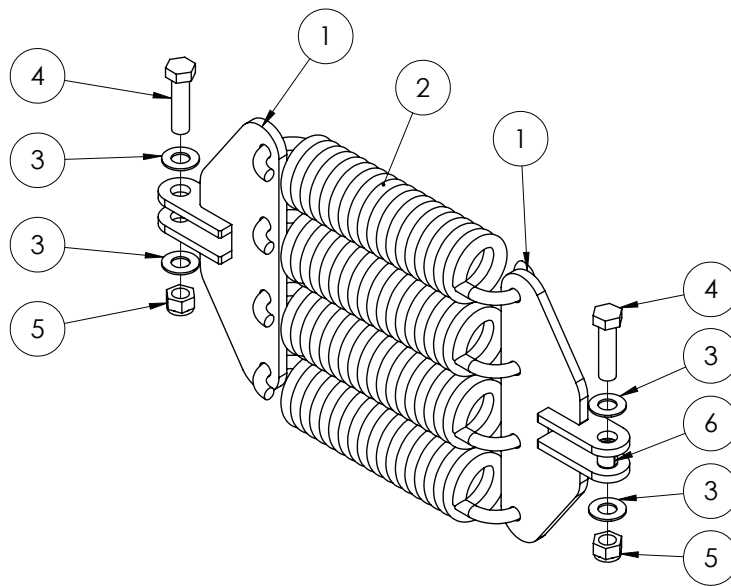
GA4903057 Complete assembly			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4656230	Mount, Boom cable spring, Suit 24 - 33 meter TriTech boom	1
2	F70057A	3 spring mounting plate suit delta boom	2
3	GA5010793	Spring, tension, 70 OD x 329 long x 12mm, large	2
4	GA5001043	Washer 16mm Flat SS HD	4
5	GA5000939	Bolt M16 x 60 Black GR8.8	2
6	GA5001029	Nut M16 Nyloc ZP	2

Boom Cable Spring - 28-30m



GA4903067 Complete 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	GA5001043	Washer 16mm Flat SS HD	4
5	GA5000939	Bolt M16 x 60 Black GR8.8	2
6	GA5001029	Nut M16 Nyloc ZP	2

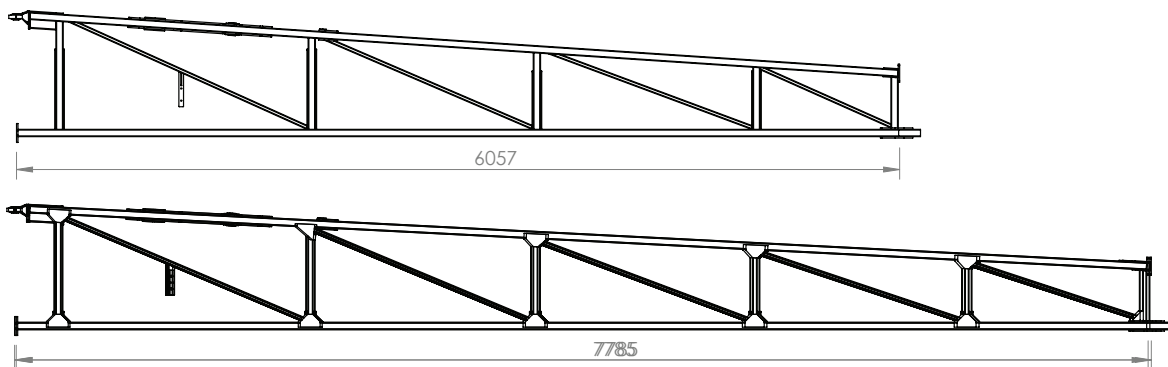
Boom Cable Springs - 33 & 36m



GA4905665 Complete assembly

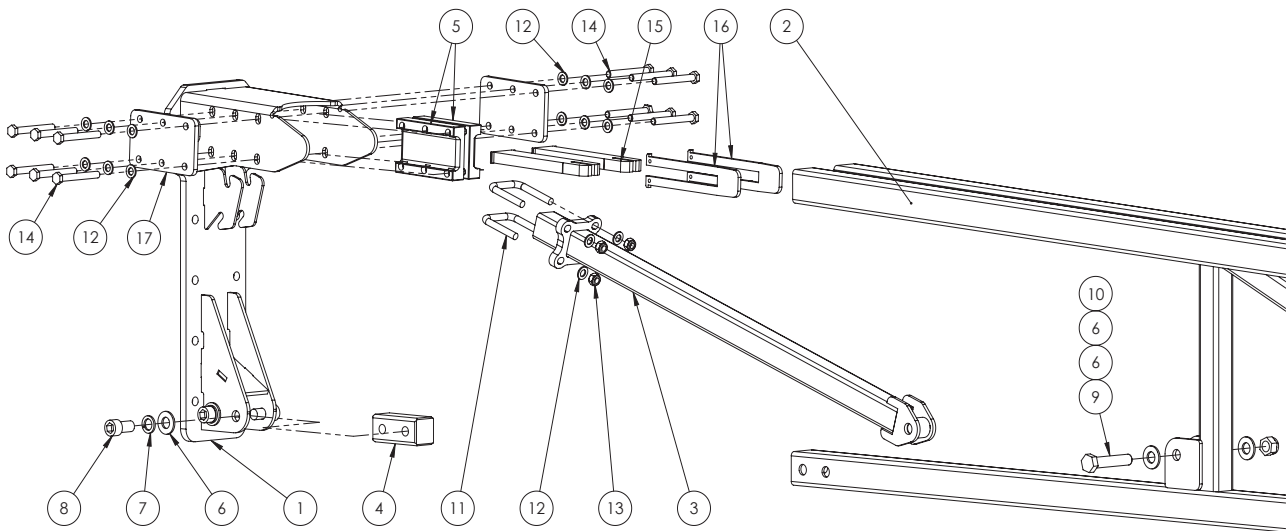
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4659710	Cable Spring-Shocker Mount Component	2
2	GA5010793	Spring, tension, 70 OD x 329 long x 12mm, large	4
3	GA5001043	Washer 16mm Flat SS HD	4
4	GA5000939	Bolt M16 x 60 Black GR8.8	2
5	GA5001029	Nut M16 Nyloc ZP	2
6	GA5075220	Glacier bush flanged 16mm suit boom cable pivot	1

Steel Inner Wings



PART NUMBER	DESCRIPTION
GA4656780	24-30m Boom inner Bi-Fold RH (6057mm)
GA4656785	24-30m Boom inner Bi-Fold LH (6057mm)
GA4656791	36m Inner Wing RH (7785mm)
GA4656796	36m Inner Wing LH (7785mm)

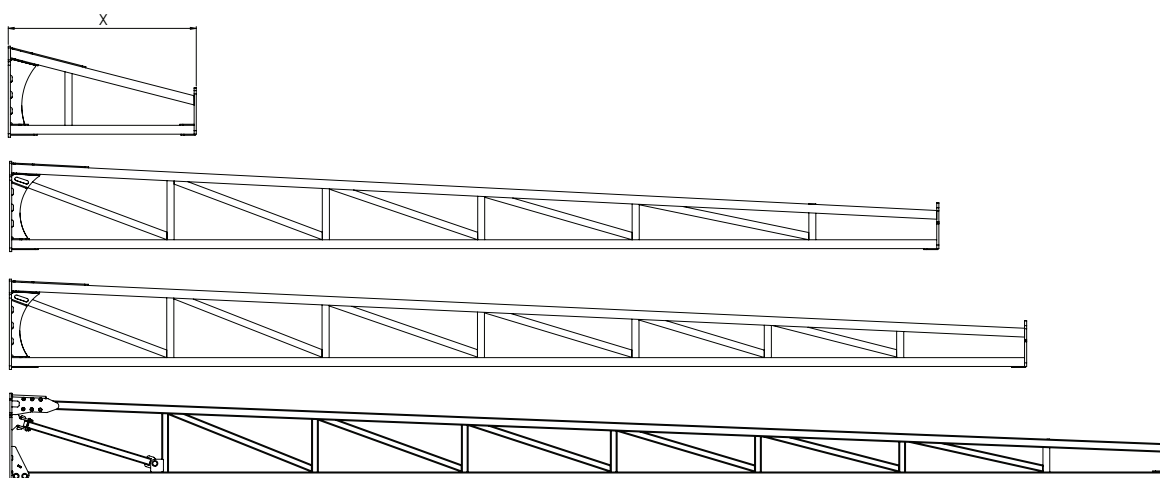
Aluminium Boom Wing, Mount Assembly



Quantities shown are per side.

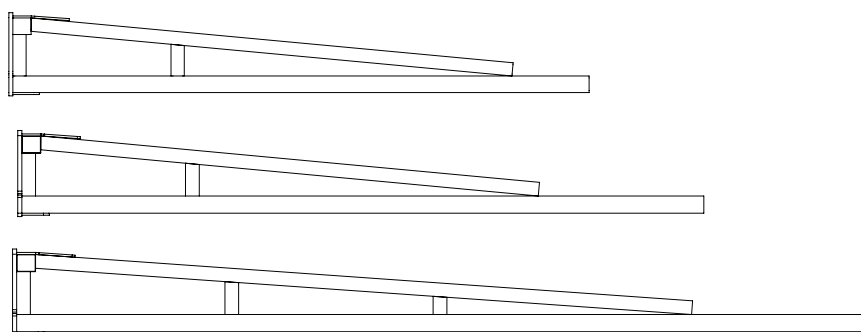
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4660376	Mount Bracket, for Aluminium Boom	1
2	GA4660390	Boom Section, 36m Aluminium, U Bolt Mounted	1
3	GA4660740	Brace Bar, Aluminium Boom	1
4	GA4550031	Threaded Steel Insert Block suit 50x50x4 mm, Bottom Chord	1
5	GA4550740	Clamp Block, Aluminium Boom Mount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

Aluminium Outer Wings



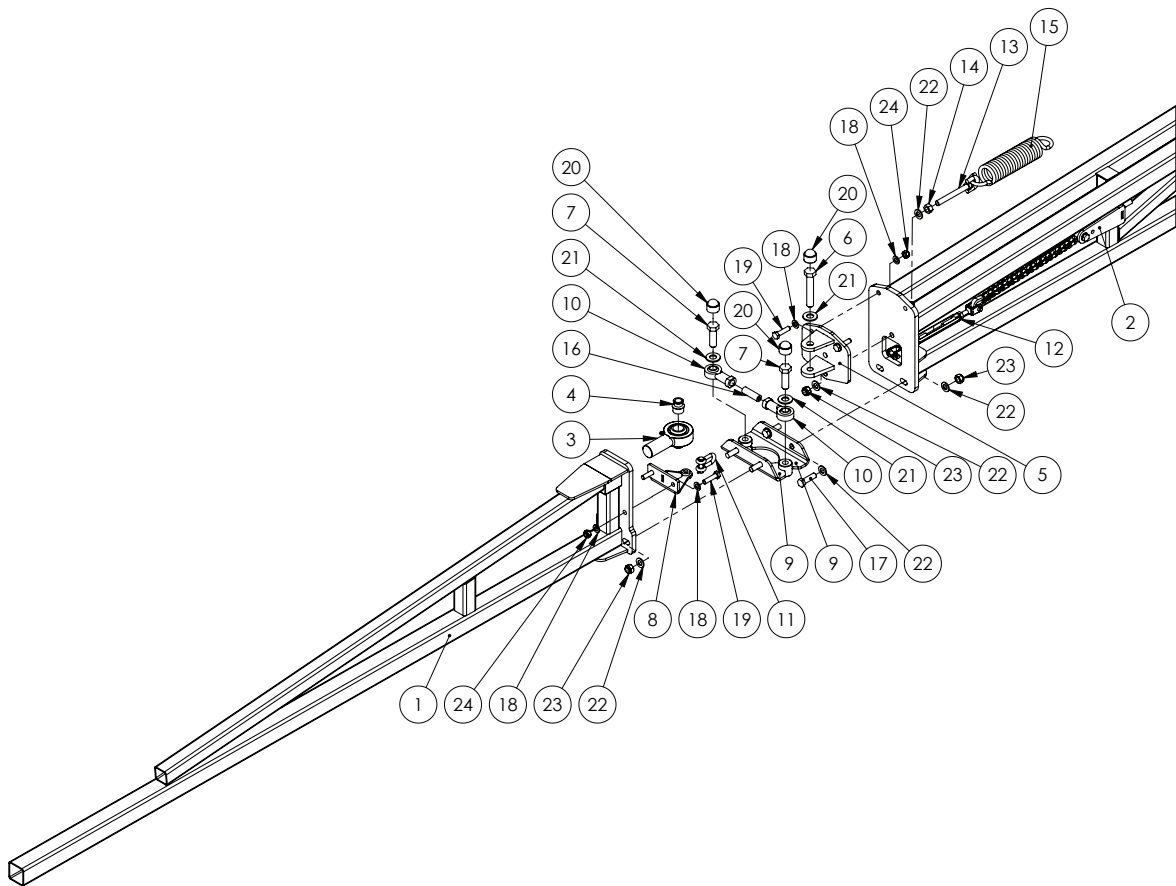
PART NUMBER	DESCRIPTION
GA4659820	24m Outer boom section (1055mm Long) (Fit with 30m inner)
GA4659925	24m Outer boom section (3749mm Long) (Fit with 24m inner)
GA4656062	28m Outer boom section (4264mm Long)
GA4656067	30-33m Outer boom section (5265mm Long)
GA4907345	36m Outer boom Assembly (6805mm Long)

Aluminium Break Away Tip



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

3D Breakaway 2.0



Quantities shown are per side.

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

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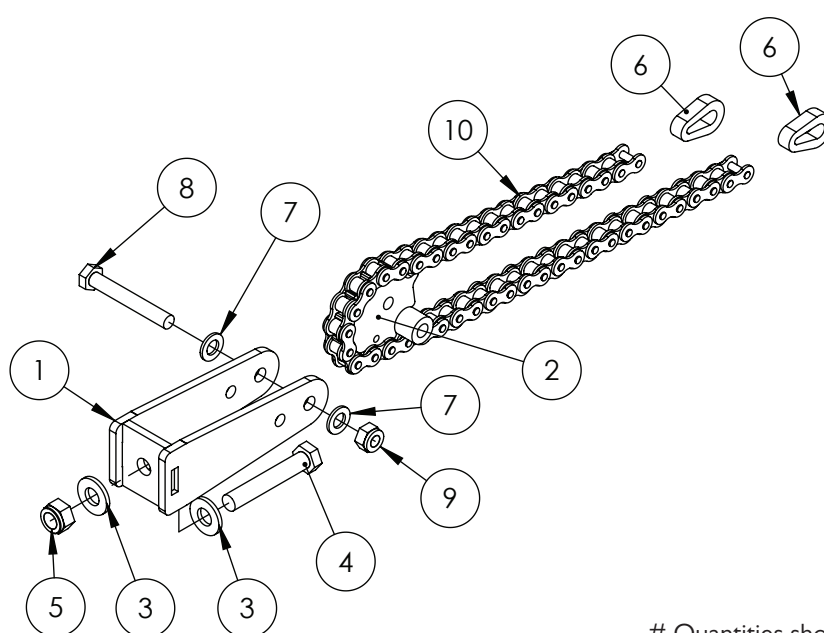
3D Breakaway 2.0

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

* Sub-assembly on following pages

Quantities shown are per side.

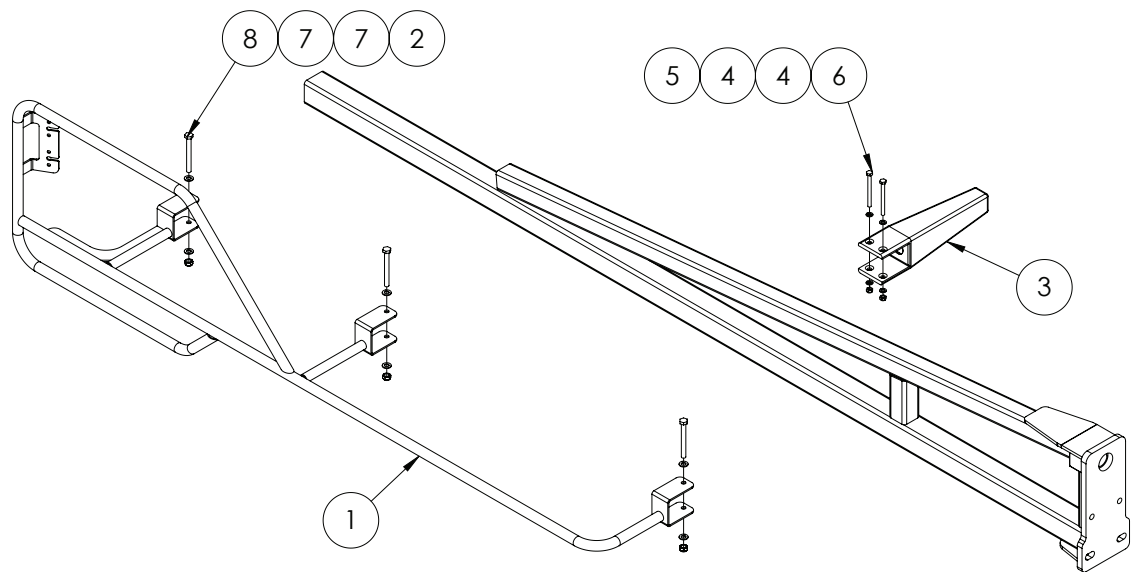
Breakaway Hinge, Pivot Assembly



Quantities shown are per side.

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

Fence Line End Protector - Quick Fit

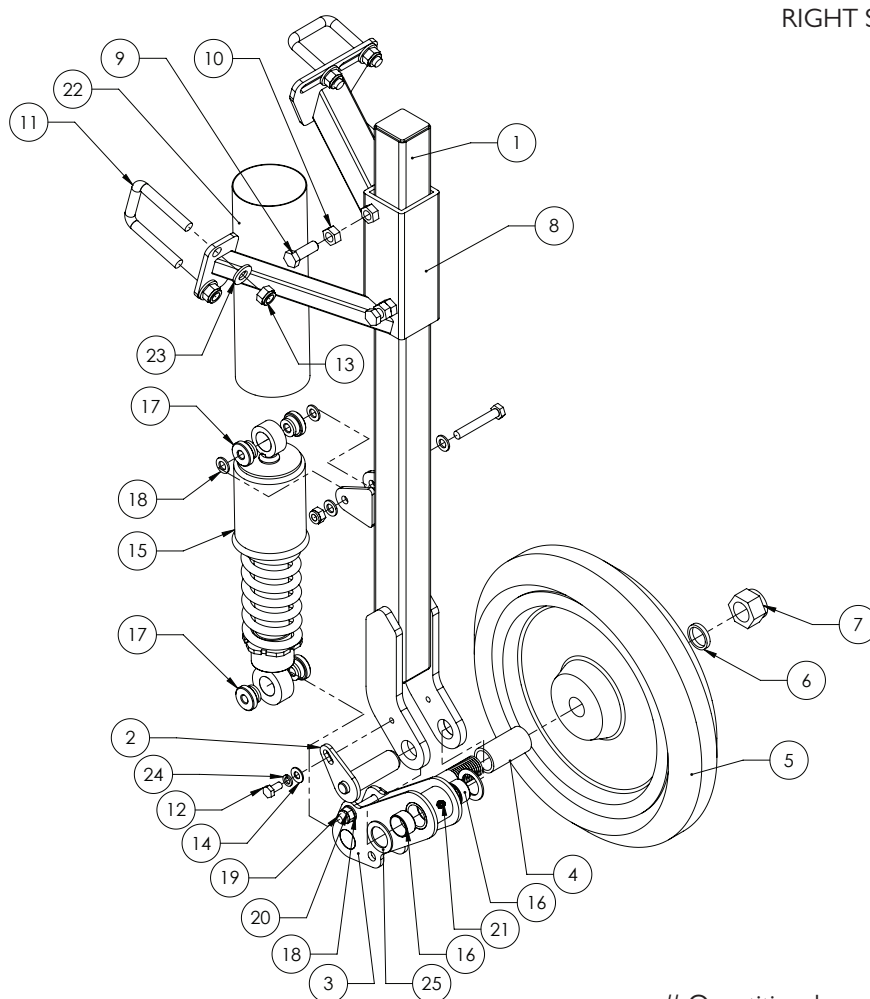


Quantities shown are per side.

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

Touch Down Wheel

RIGHT SIDE SHOWN



Quantities shown are per side.

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

Continue Over Page

Touch Down Wheel

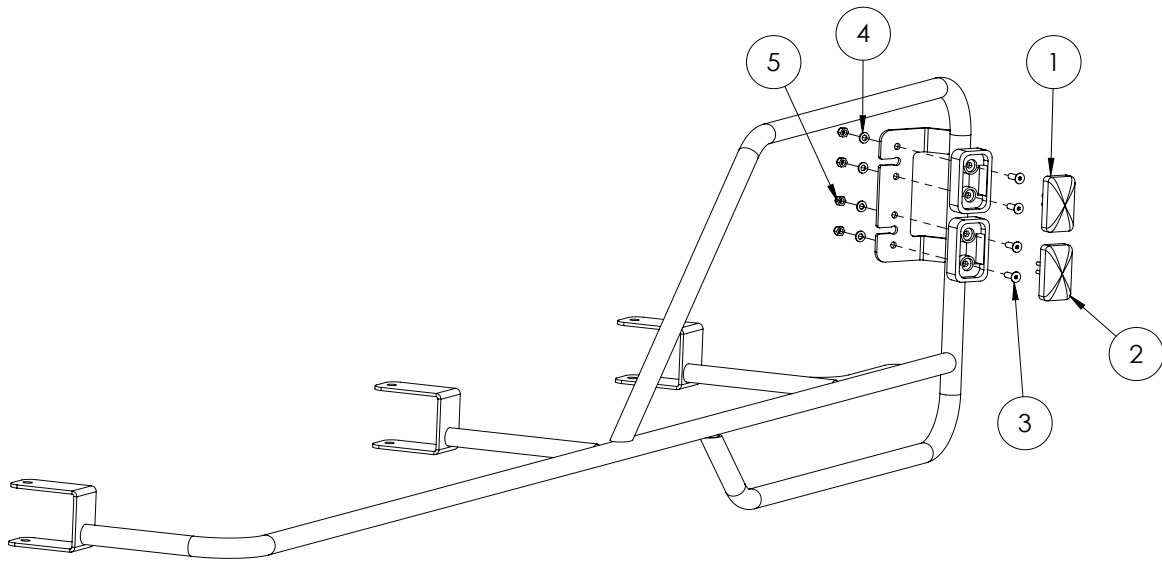
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
15	GA5067085	Universal shocker 320 eye-eye	1
16	GA5009463	Glacier Bush, ID 25 x 15mm long	2
17	GA4583100	Bush, Black nylon, 30 OD x 10 ID x 16.5mm	4
18	GA5000117	Washer 10mm Flat SS HD	6
19	GA5006101	Bolt M10 x 65 ZP GR8.8	2
20	GA5000141	Nut M10 Nyloc ZP	2
21	GA5012203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

Quantities shown are per side.

Chapter 15

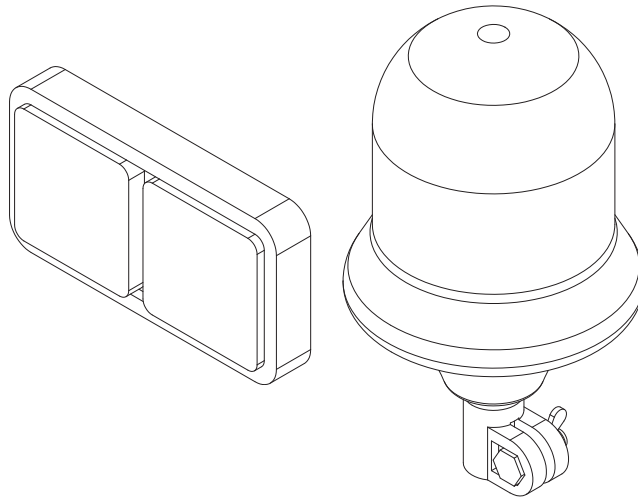
ELECTRICS

Lighting - Boom Tip LEDs



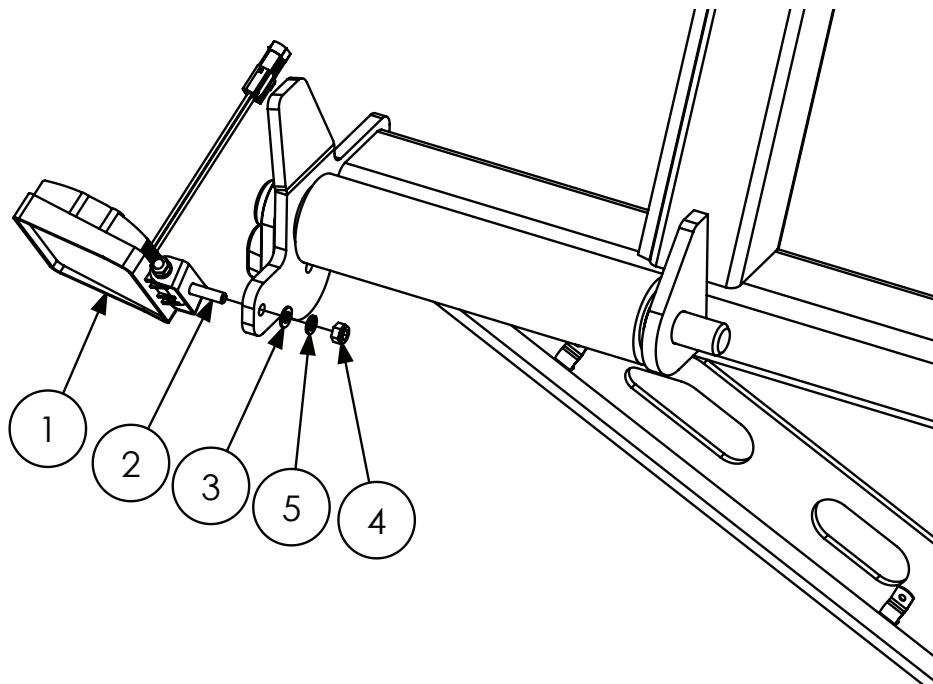
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5060057	Clearance light with connector, Orange LED	1
2	GA5060056	Clearance light with connector, Red LED	1
3	GA5051230	CSCS M5 x 16 SS A2-70	4
4	GA5003983	Washer 5mm Flat SS	4
5	GA5003975	Nut M5 Nyloc SS	4

Lighting - Tail Light & Beacon



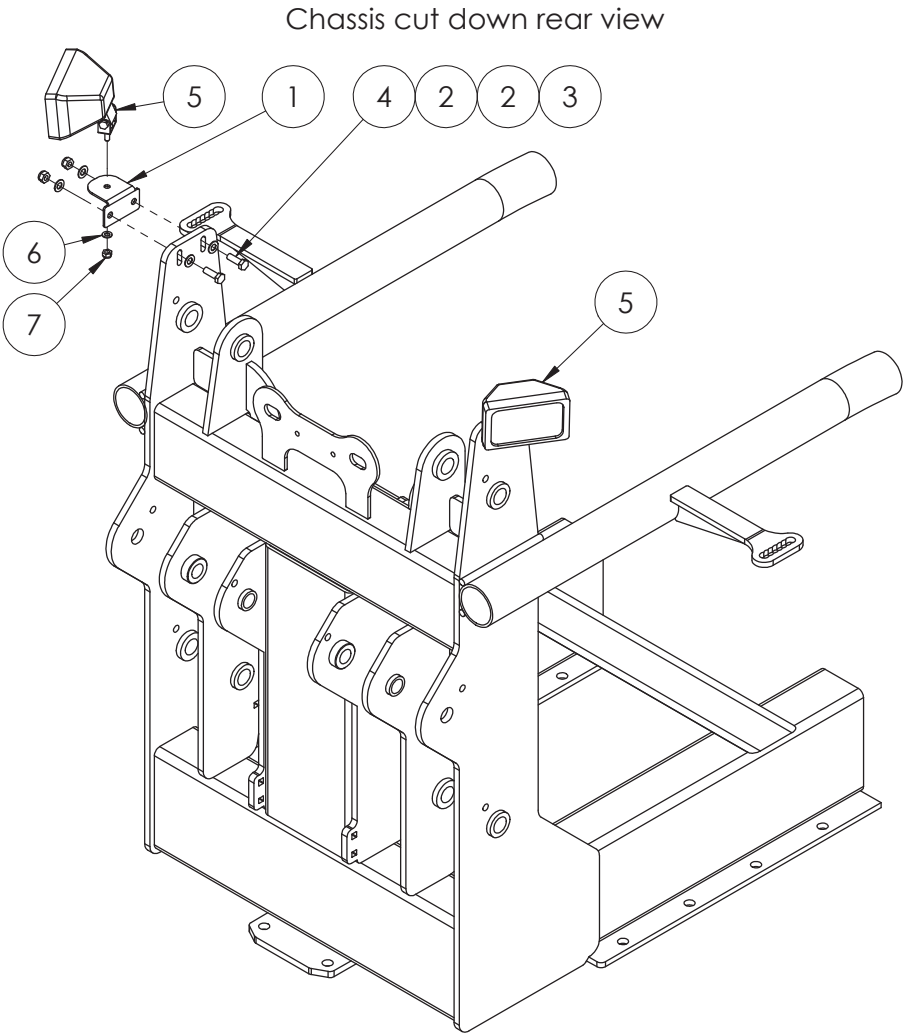
PART NUMBER	DESCRIPTION
GA5018786	Lamp, LED, 12V, Brake / tail light / indicator, 190 x 100mm
GA5048975	Beacon, Rotating, Amber, DIN A pole mount, H1 globe

Lighting - POD Work Light



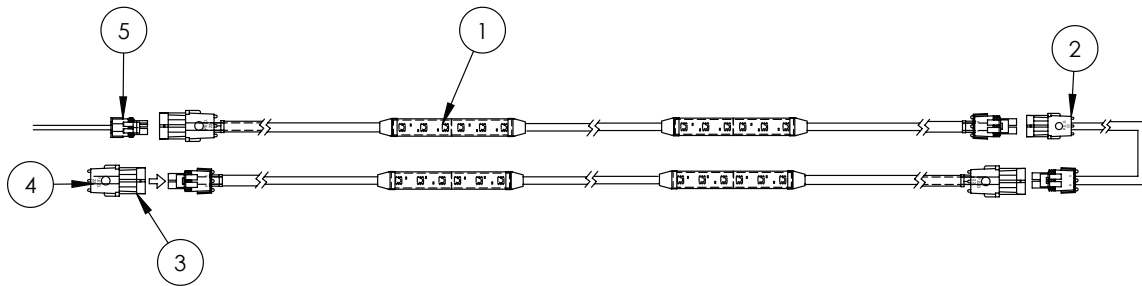
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075500	Light, LED, Work, Flood beam, bare wires, 15W	1
	GA4913495	Light, Pod Work Light Assembly, LED, Flood Beam	
2	GA5011477	Set Screw M8 x 30 ZP GR8.8	1
3	GA5003643	Washer 8mm Flat SS HD	1
4	GA5052590	Nut M8 Nyloc SS	1
5	GA5004919	Washer 8mm Spring SS	1

Lighting - Boom Lights



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4522570	Bracket boom light mounting suit EF	2
2	GA5000117	Washer 10mm Flat SS HD	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	GA5003643	Washer 8mm Flat SS HD	2
7	GA5051700	Nut 5/16" UNC Nyloc ZP	2

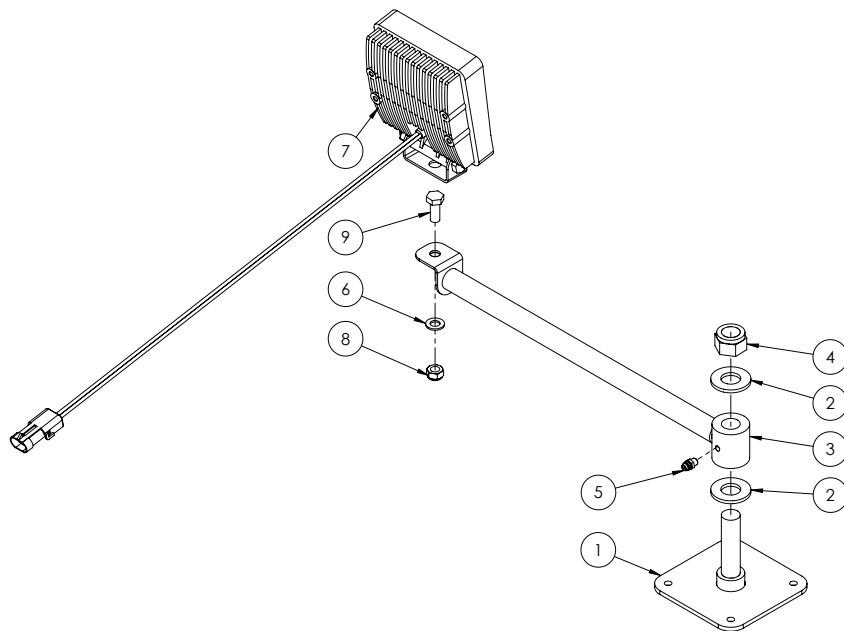
Lighting - Night Pro LEDs



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

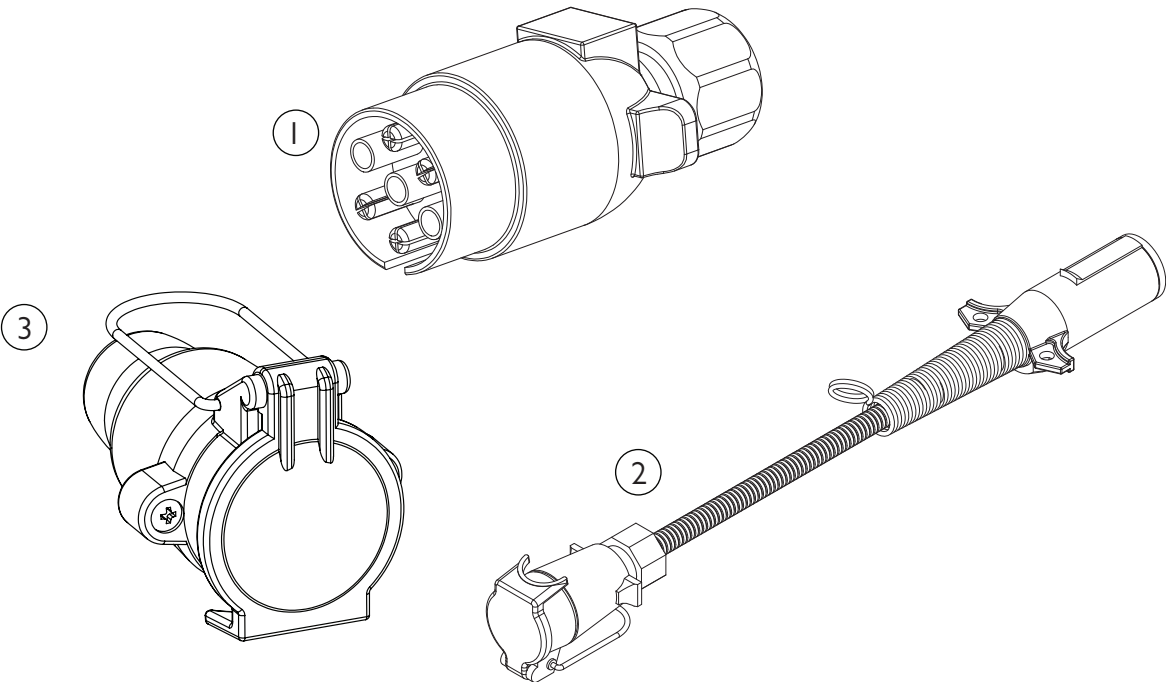
NOTE: The quantity shown is for a full 36 meter boom.

Lighting - Pod



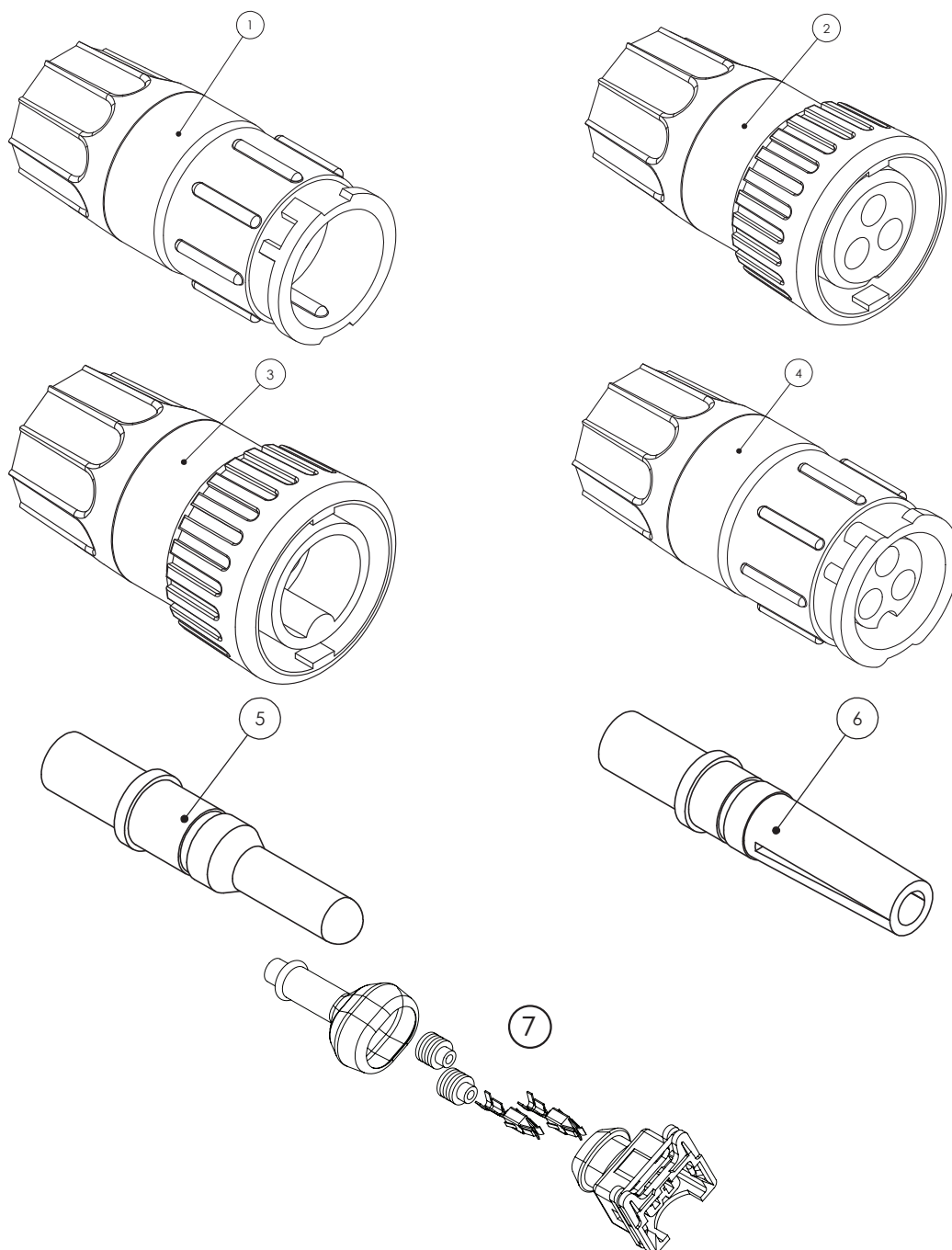
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4657105	Prairie hopper light arm mount	1
2	GA5001043	Washer 16mm Flat SS HD	2
3	GA4657107	Prairie hopper light arm	1
4	GA5001029	Nut M16 Nyloc ZP	1
5	GA5012203	Grease nipple, Short, 1/4" UNF	1
6	GA5003643	Washer 8mm Flat SS HD	2
7	GA5075500	Light, LED, Work, Flood beam, bare wires, 12v, 24W	1
8	GA5004917	Nut M8 Nyloc ZP	1
9	GA5052595	Bolt M8 x 20 SS A270	1

Electrical Components



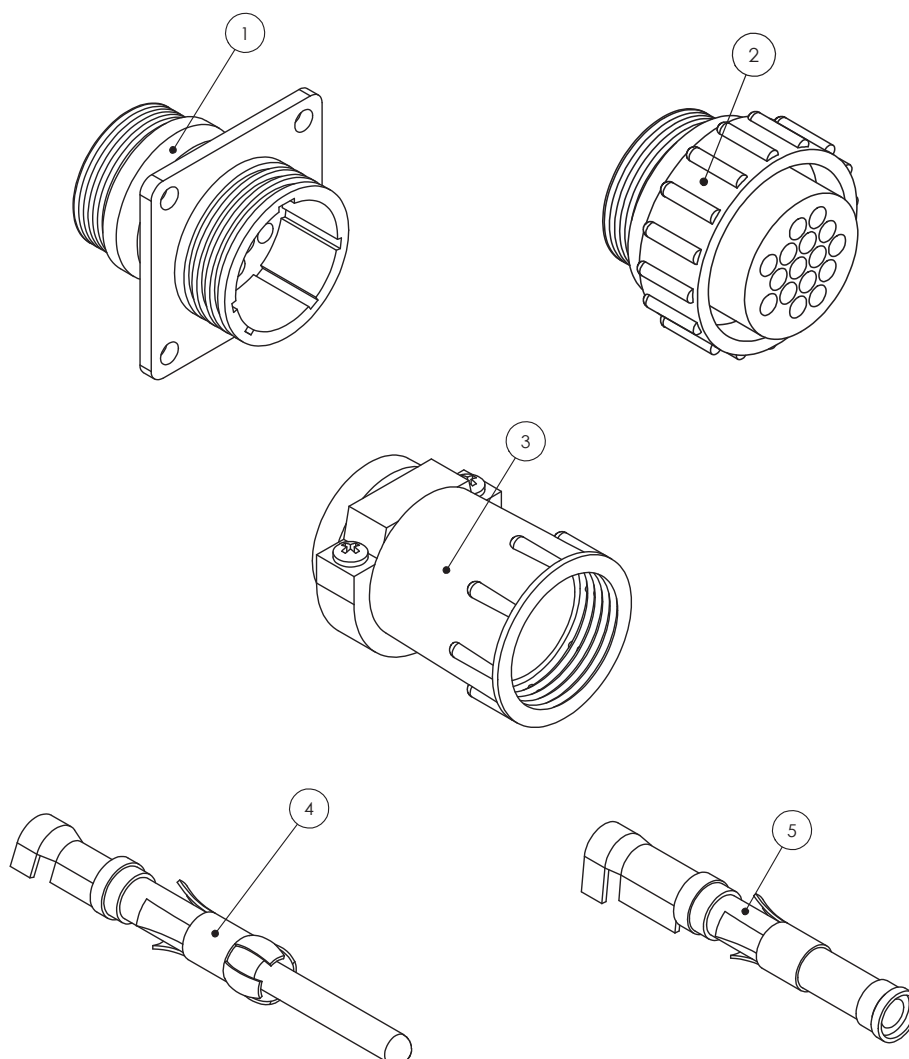
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5004477	Plug, 7 pin trailer type, Male, Plastic
2	GA5060350	Electrical harness, Adaptor, 7 pin female trailer plug to North American style male trailer plug
3	GA5004479	7 Pole Remote Base

Electrical Connectors - AMP



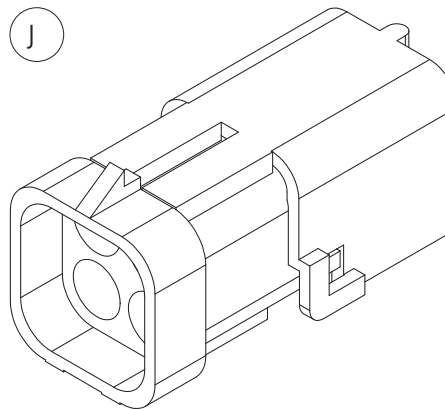
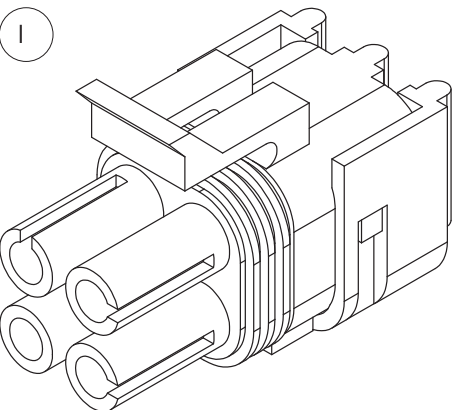
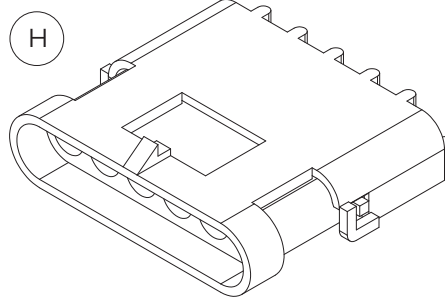
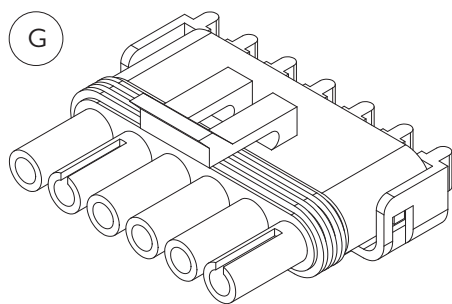
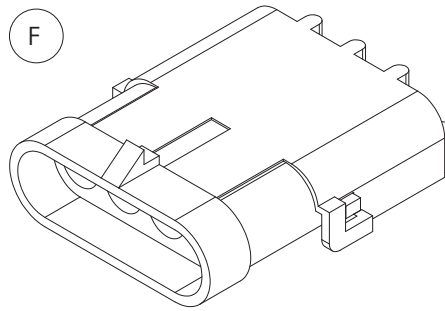
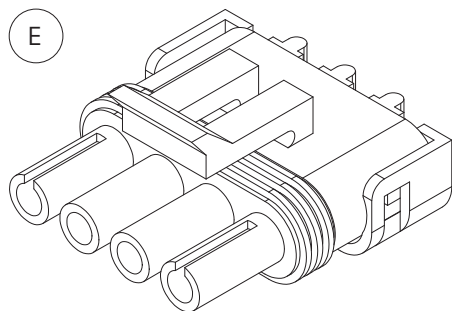
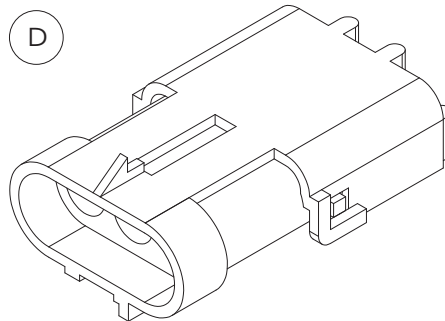
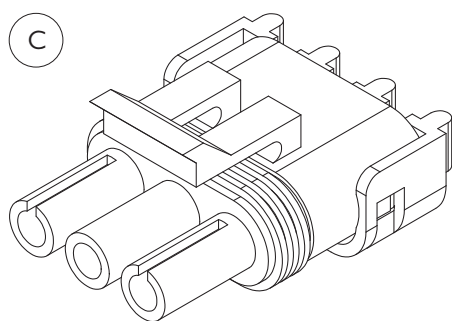
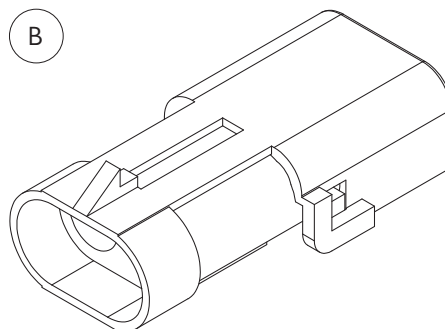
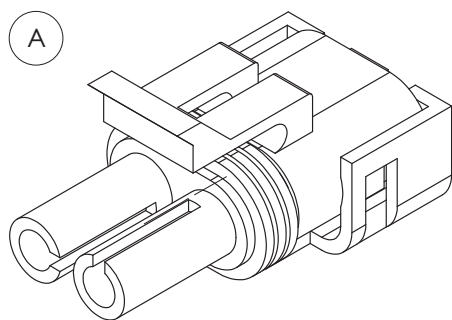
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5076921	Connector, 3 Pin kit, Flow Meter, Including Male Pins, Raven
2	GA5076922	Connector, 3 Pin kit, Flow Meter, Including Female Pins, Raven
3	GA5076920	Connector, 3 Pin Kit, Speed Sensor, including Male Pins, Raven
4	GA5076923	Connector, 3 Pin kit, Speed Sensor, Including Female Pins, Raven
5	GA5076927	Pin, 16-20 Gauge, Male, Suit Speed Sensor - Flow Meter, Raven
6	GA5076928	Pin, 16-20 Gauge, Female, Suit Speed Sensor - Flow Meter, Raven
7	GA5047728	Plug, 2 pin, Black, fuel injector connector, IP65K, AMP
-	GA5068945	Connector, 3 Pin AMP super seal waterproof male

Electrical Connectors - AMP

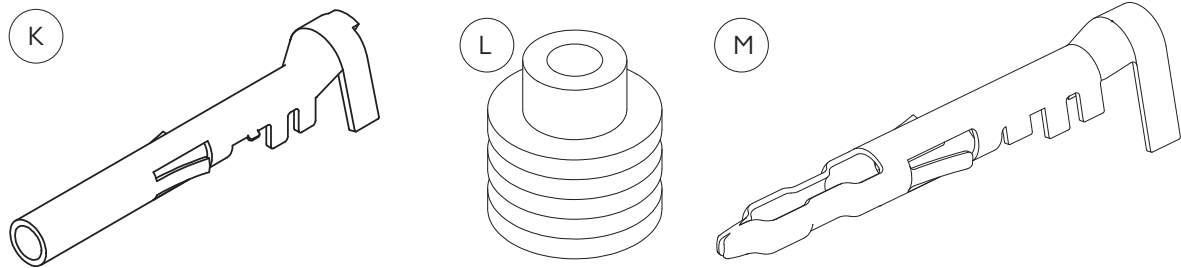


ITEM NO.	PART NUMBER	DESCRIPTION
1	4084001017	Connector, 16 Pin AMP, Square Flange, Suit Male Pins, Raven
2	4084001018	Connector, 16 Pin AMP, Suit Female Pins, Raven
3	GA5049175	Connector, Backing Shell, Suit 16 Pin AMP, Raven
4	GA5048905	Pin, 14-18 Gauge Gold, Male, Suit 16 Pin AMP
5	GA5048900	Pin,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

Electrical Connectors - Weather Pack

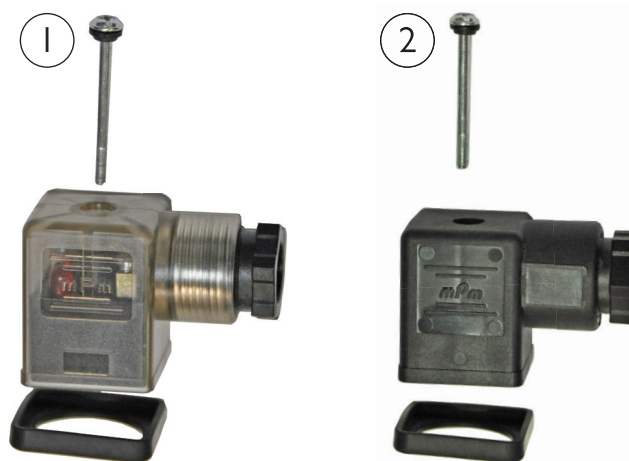


Electrical Connectors - Weather Pack



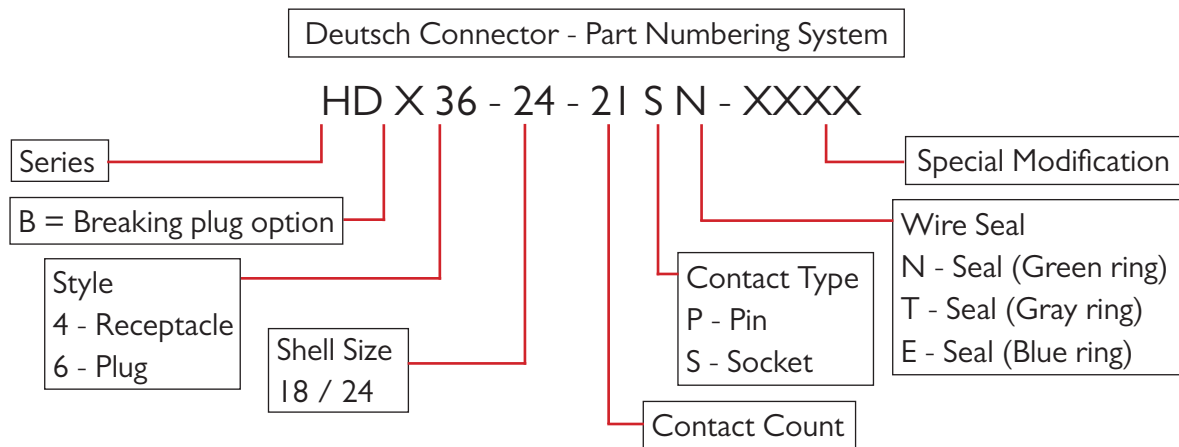
ITEM NO.	PART NUMBER	DESCRIPTION
A	GA5001351	Connector, Male, 2 Pin, Weather pack
B	GA5007381	Connector, 2 pin, Female, Weather pack
C	GA5002211	Connector, Male, 3 pin, Weather pack
D	GA5048550	Connector, Female, 3 Pin, Weather pack
E	GA5007385	Connector, Male, 4 pin, Weather pack
F	GA5007383	Connector, 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
-	GA5049685	Boot, Weather pack, Suit 2 pin connector
-	GA5049690	Boot, Weather pack, Suit 3 pin connector

Electrical Connectors - Din Hirschmann

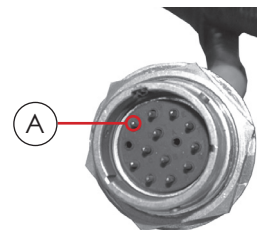


ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5048580	Din Hirschmann Connector K4L12 LED.
2	GA5010039	Din Hirschmann Connector Std Black suit CeTop 3

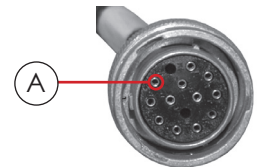
Electrical Connectors - Deutsch



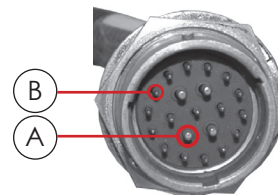
ITEM	PART NUMBER	DESCRIPTION
-	GA5002671	HD34-18-14PN Connector (14 Pin)
A	GA5061240	Pin, Male, Solid, Nickel, Number 16



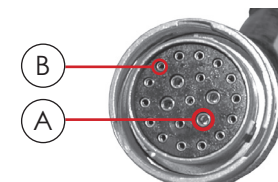
ITEM	PART NUMBER	DESCRIPTION
-	GA5002663	HD36-18-14SN Connector (14 Socket)
A	GA5061230	Socket, Female, Solid, Nickel, Number 16



ITEM	PART NUMBER	DESCRIPTION
-	GA5002675	HD34-24-21PN Connector (21 Pin)
A	GA5061260	Pin, Male, Solid, Nickel, Number 12
B	GA5061240	Pin, Male, Solid, Nickel, Number 16

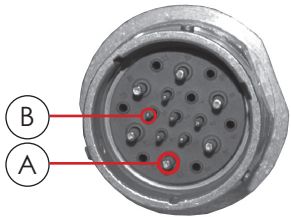


ITEM	PART NUMBER	DESCRIPTION
-	GA5002655	HD36-24-21SN Connector (21 Socket)
A	GA5061270	Socket, Female, Solid, Nickel, Number 12
B	GA5061230	Socket, Female, Solid, Nickel, Number 16

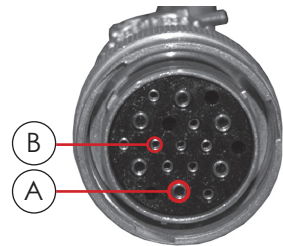


Electrical Connectors - Deutsch

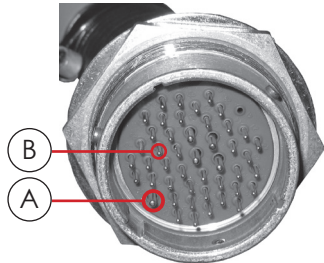
ITEM	PART NUMBER	DESCRIPTION
-	GA5021315	HD34-24-19PN Connector (19 Pin)
A	GA5061260	Pin, Male, Solid, Nickel, Number 12
B	GA5061240	Pin, Male, Solid, Nickel, Number 16



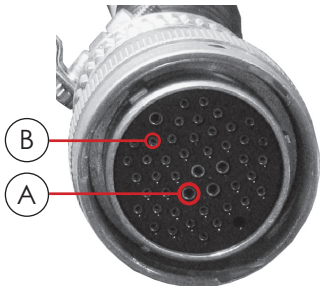
ITEM	PART NUMBER	DESCRIPTION
-	GA5021310	HD36-24-19SN-059 Connector (19 Socket)
A	GA5061270	Socket, Female, Solid, Nickel, Number 12
B	GA5061230	Socket, Female, Solid, Nickel, Number 16



ITEM	PART NUMBER	DESCRIPTION
-	GA5062635	HD34-24-47-PE Connector (47 Pin)
A	GA5061240	Pin, Male, Solid, Nickel, Number 16
B	GA5061200	Pin, Male, Solid, Nickel, Number 20



ITEM	PART NUMBER	DESCRIPTION
-	GA5062640	HD36-24-47-SE-059 Connector (47 Socket)
A	GA5061230	Socket, Female, Solid, Nickel, Number 16
B	GA5061210	Socket, Female, Solid, Nickel, Number 20



Electrical Connectors - Deutsch

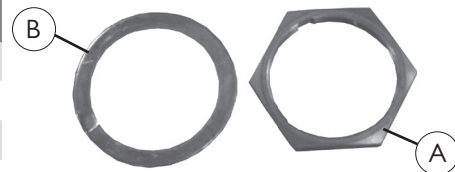
PART NUMBER	DESCRIPTION
GA5020920	Plug for size 24 Connector with External Thread on Plug
GA5020910	Plug for size 18 Connector with External Thread on Plug



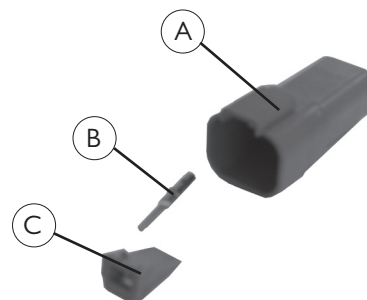
PART NUMBER	DESCRIPTION
GA5020925	Plug for size 24 Connector with External Thread on Connector
GA5020915	Plug for size 18 Connector with External Thread on Connector



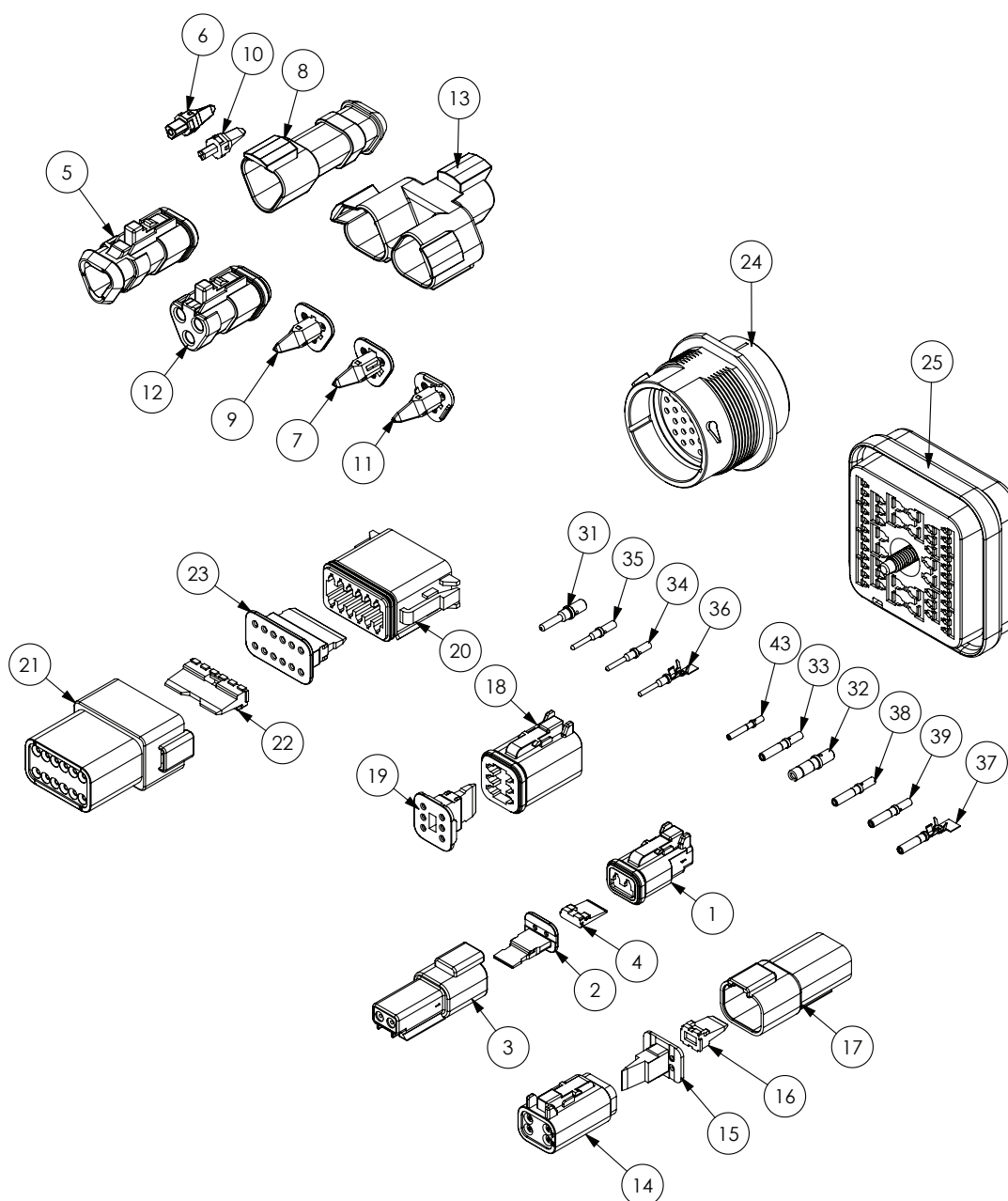
ITEM NO.	PART NUMBER	DESCRIPTION
A	GA5012399	Connector Lock Nut suit 24 shell
	GA5009887	Connector Lock Nut suit 18 shell
B	GA5017621	Connector Lock Washer suit 24 shell
	GA5009893	Connector Lock Washer suit 18 shell



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



Electrical Connectors - Deutsch



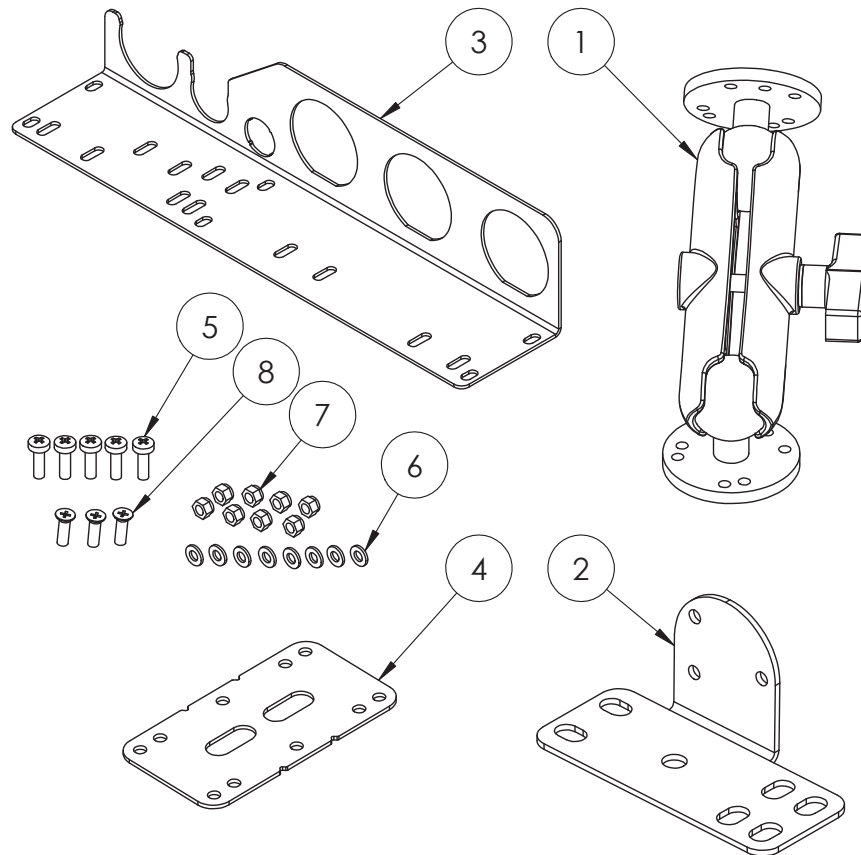
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5052820	Plug, 2 way, socket, DT series
2	GA5052825	Wedge Lock, 2 Way, sockets, DT series
3	GA5052830	Receptacle, 2 way, pins, DT series
4	GA5052835	Wedge Lock, 2 way, DT series
5	GA5011831	Plug, 3 way sockets, shrink boot adapter
6	GA5017719	Wedge lock, blue, 3 pin,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

Continued over page

Electrical Connectors - Deutsch

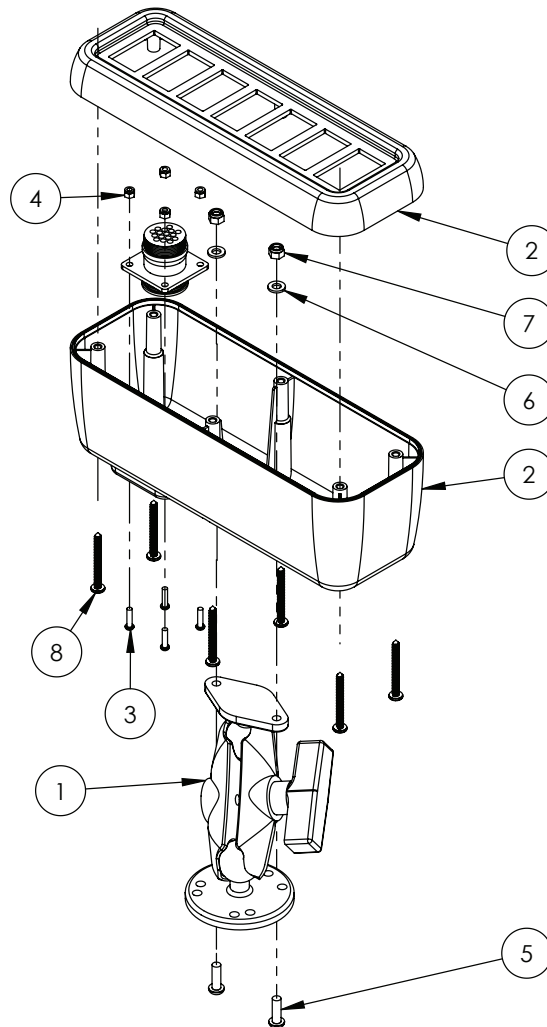
ITEM NO.	PART NUMBER	DESCRIPTION
10	GA5050760	Wedge Lock, Green, 3 pin
11	GA5050761	Wedge Lock, Green, 3 socket
12	GA5054350	Plug, grey, 120 ohm resistor terminator
13	GA5054365	Receptacle, 3 way 3 Pin, Y splitter
14	GA5050840	Plug, 4 way socket, DT series
15	GA5050845	Wedge Lock, orange, 4 way sockets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

Console Mounting Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4903666	Complete console mounting kit	-
1	GA5020825	RAM Mount, Universal, Adjustable kit	1
2	GA4522930	Tractor controller ram mount bracket	1
3	GA4523475	Loom support plate suit 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	CSCS M5 x 16 SS A2-70	3

Control Boxes



SWITCH PARTS

PART NUMBER	DESCRIPTION
GA5012671	Switch, Rocker, On / off, Twin globe blue lens
GA5012673	Switch, Rocker, On / Off / On, Twin bulb back light, Blue lenses
GA5060410	Switch, Rocker, Momentary, On / Off / On, 2 pole, No bulb or actuator
GA5060405	Actuator, Rocker switch, No lens
GA5006421	Carling Switch Blank Hole Panel Plug (black)
GA5053525	Switch Evo steering calibrate

NOTE: See Chapter 17 'Decals' for switch box decals.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4903710	Complete switch Box A	-
-	GA4903715	Complete switch Box B	-
-	GA4903720	Complete switch Box C	-
1	GA5068930	Ram mount	1
2	GA5075100	Switch box bare 7 switches Top Switch box bare 7 switches Base	1

Continued over page

Control Boxes

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
3	GA5003083	Screw M3 x 12 Pan Head Machine	4
4	GA5049465	Nut M3 Nyloc SS	4
5	GA5003977	Bolt M5 x 16 Pan Head SS	2
6	GA5003983	Washer 5mm Flat SS	2
7	GA5003975	Nut M5 Nyloc SS	2
8	GA5075105	Screw Phillips head 8G 1 1/2" Pan head self tapping SS	6
9	GA5060242	Loom hydraulic / base sprayer suit 7 switch box	1

Electrical Harnesses

CHASSIS

PART NUMBER	DESCRIPTION
GA5060247	Base loom
GA5063585	Loom 4m extension for Prairie Pro switch box hydraulic
GA5063580	Loom 4m extension for Prairie Pro switch base
GA3000016	Harness, Quad splitter, suit night pro power supply
GA5060059	Loom, Boom Recirc Bypass Module
GA5060248	Loom, cabin suit switch box A+B
GA5060249	Loom, suit switch box C Prairie
GA5013371	Loom prairie advance cabinet
GA5063602	Loom High current solenoid to suit rapid fire compressor
GA5063601	Loom High current to RH Pod
GA5076188	Electrical Harness, Extension, Accuboom, 6" Can Bus With Tee, Raven
GA5063600	Loom high current tractor end suit trailing unit
GA5076111	Electrical Harness, Speed Sensor Extension 12', Raven
GA5076168	Electrical Harness, Speed sensor extension, 29', Raven
GA5060243	Electrical harness, Hydraulic and steering with two pin spool plug
GA5060048	Electrical harness, Center Lock Valve connection

RAVEN 4400 SYSTEM

PART NUMBER	DESCRIPTION
GA5076205	Electrical harness, Chassis, SCS 4400, 41', Raven
GA5076204	Electrical Harness, Console SCS 4400 13.5', Raven
GA5076176	Cable 12' Extension 4400
GA5076177	Cable 24' Extension 4400
GA5063525	Ezi Test Loom Suit 4000 Series
GA3000027	Electrical harness, Spray Raven 4400 with FCV
GA5076108	Electrical Harness, Flowmeter extension, 6', Raven
GA5076109	Electrical Harness, Flowmeter extension, 12', Raven
GA5060250	Loom 4400 Raven Single Boom line adapter, 1 to 7 section, non 3TS
GA5060251	Loom 4400 Raven Dual product Boom line adapter, 1 to 7 section, non 3TS
GA5013727	Electrical harness, Boom section control with 3TS, Suit Raven
GA3000043	Electrical harness, 4400 chassis to ISO bus node, Raven

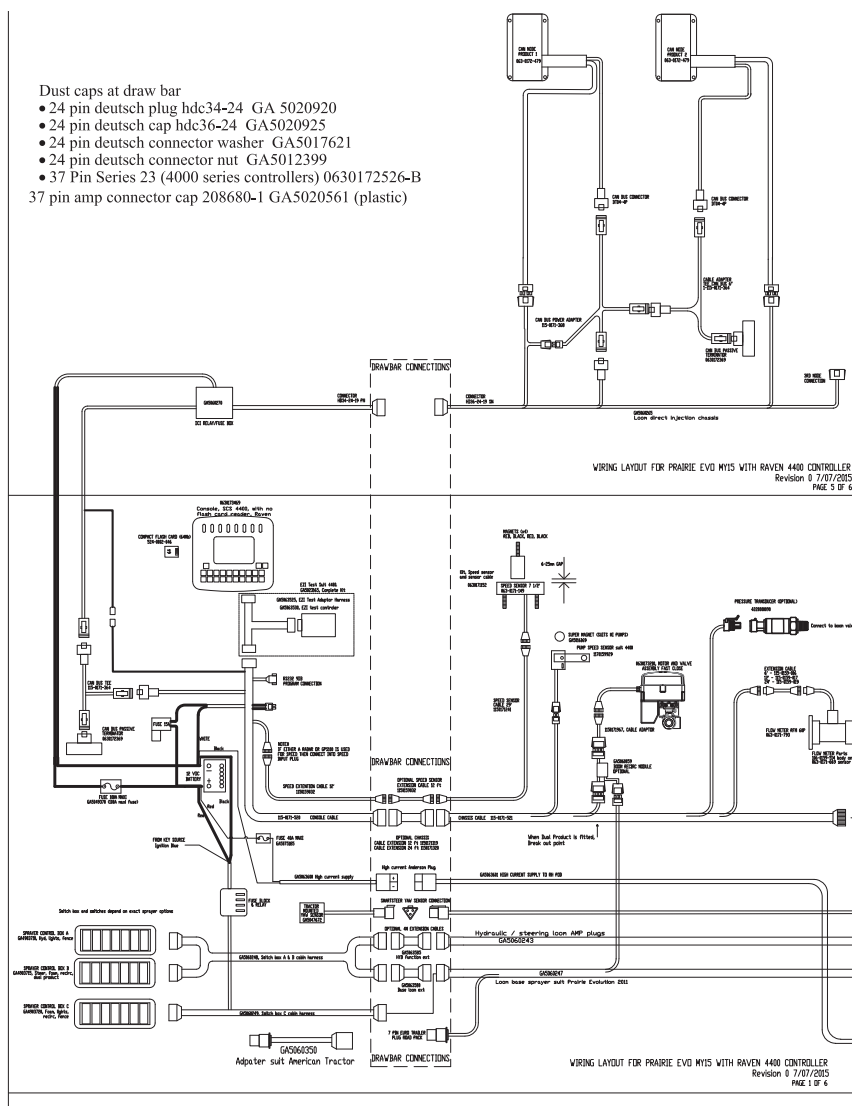
ISOBUS SYSTEM

PART NUMBER	DESCRIPTION
GA5071315	Electrical Harness, ISO bus, cabin to drawbar, suit non ISO tractor, Raven
GA3000031	Electrical harness, Raven ISO to CAN active terminator, Raven
GA3000032	Electrical harness, Foot switch assembly, ISO bus, Raven
GA3000033	Electrical harness, Foot switch extension, ISO bus, Raven
GA5071390	Electrical harness, ISO hitch cable to suit Raven ISO ECU 14'

Chapter 16

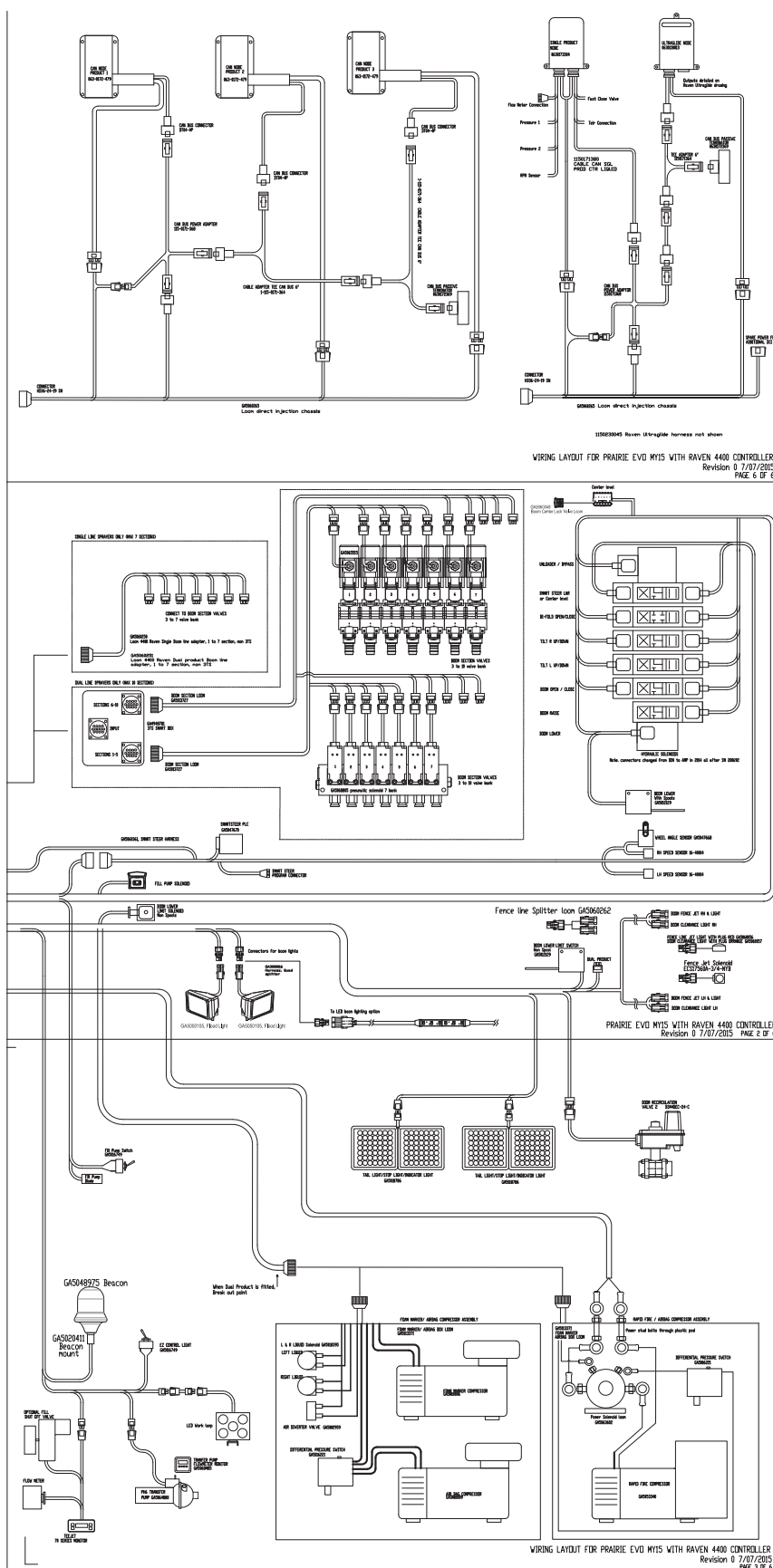
SCHEMATICS

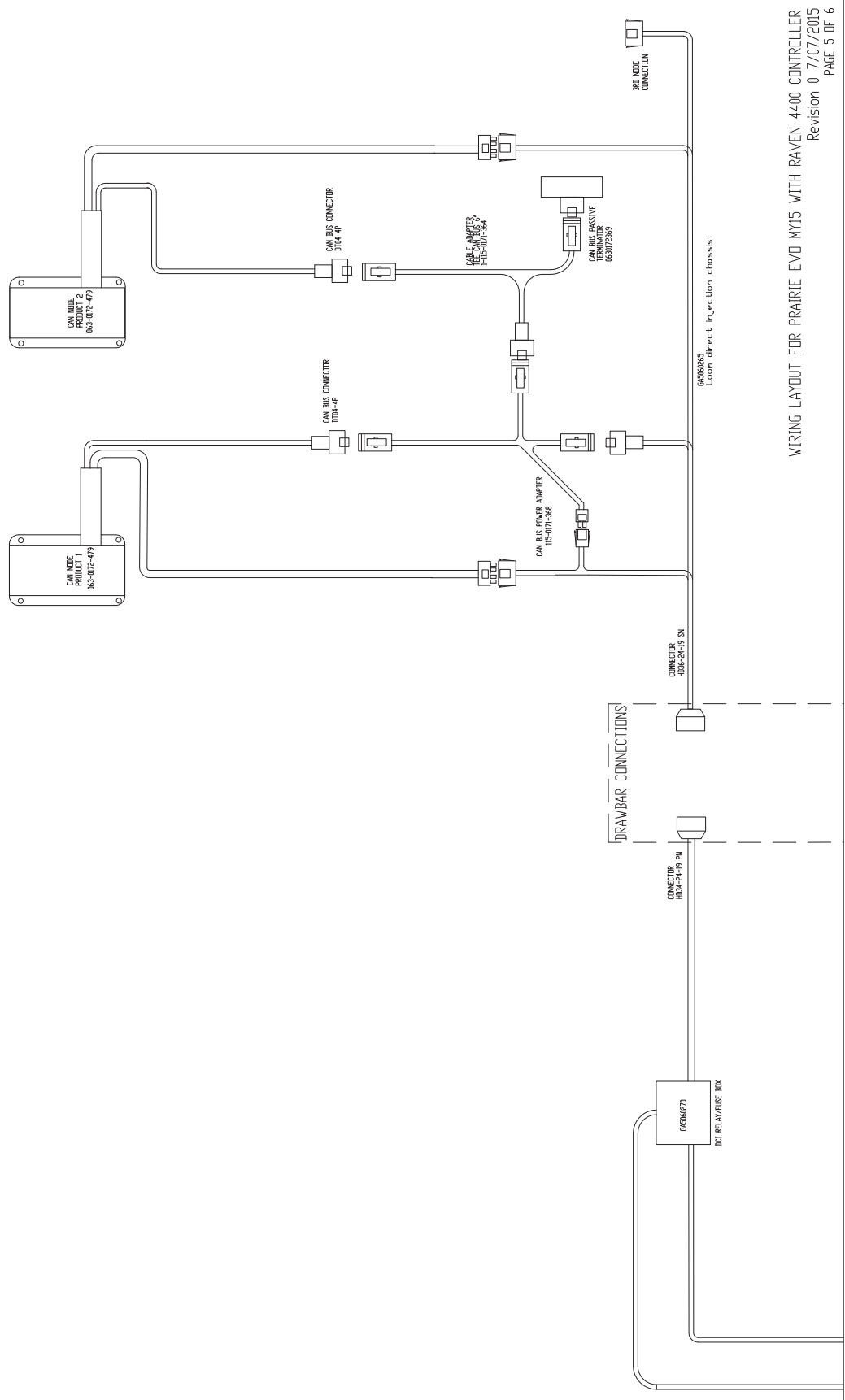
Electrical Layout - Overview



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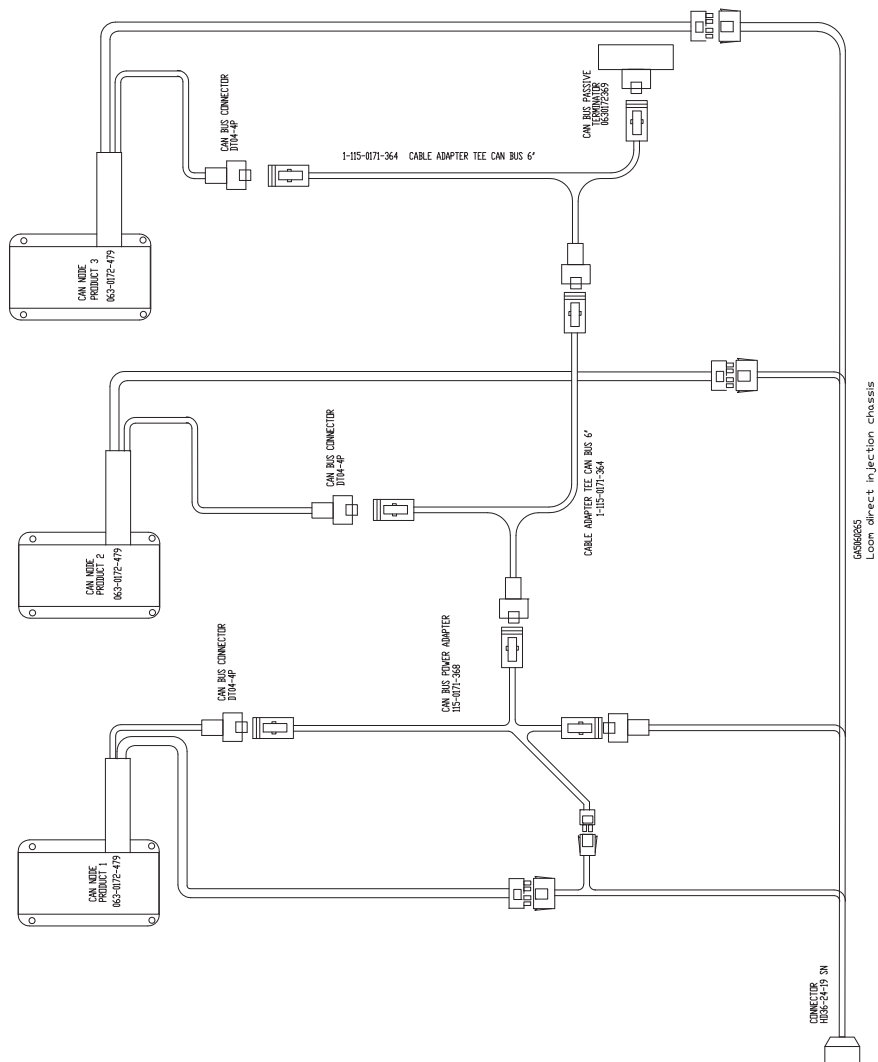
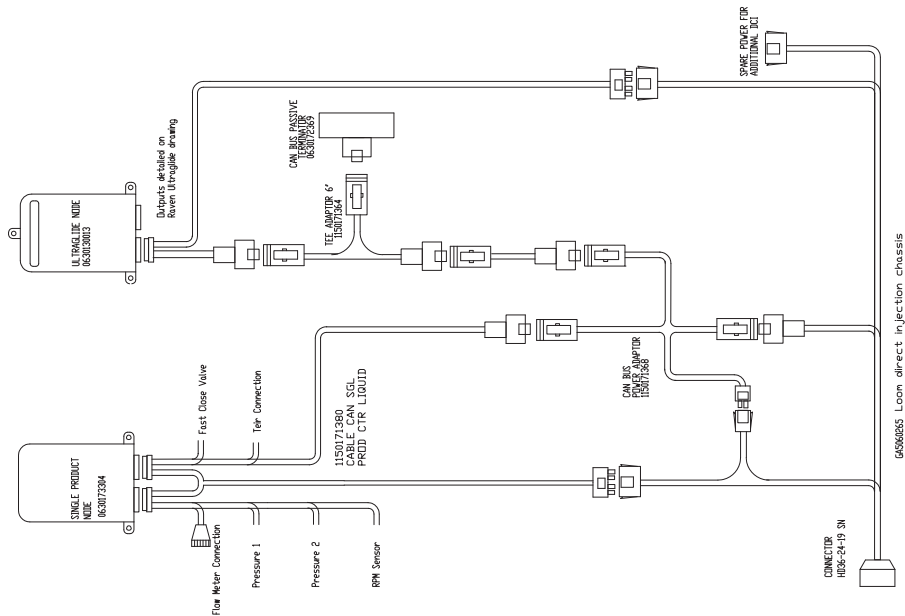
Electrical Layout - Overview





WIRING LAYOUT FOR PRAIRIE EVO MY15 WITH RAVEN 400 CONTROLLER
Revision 0 7/07/2015
PAGE 5 OF 6

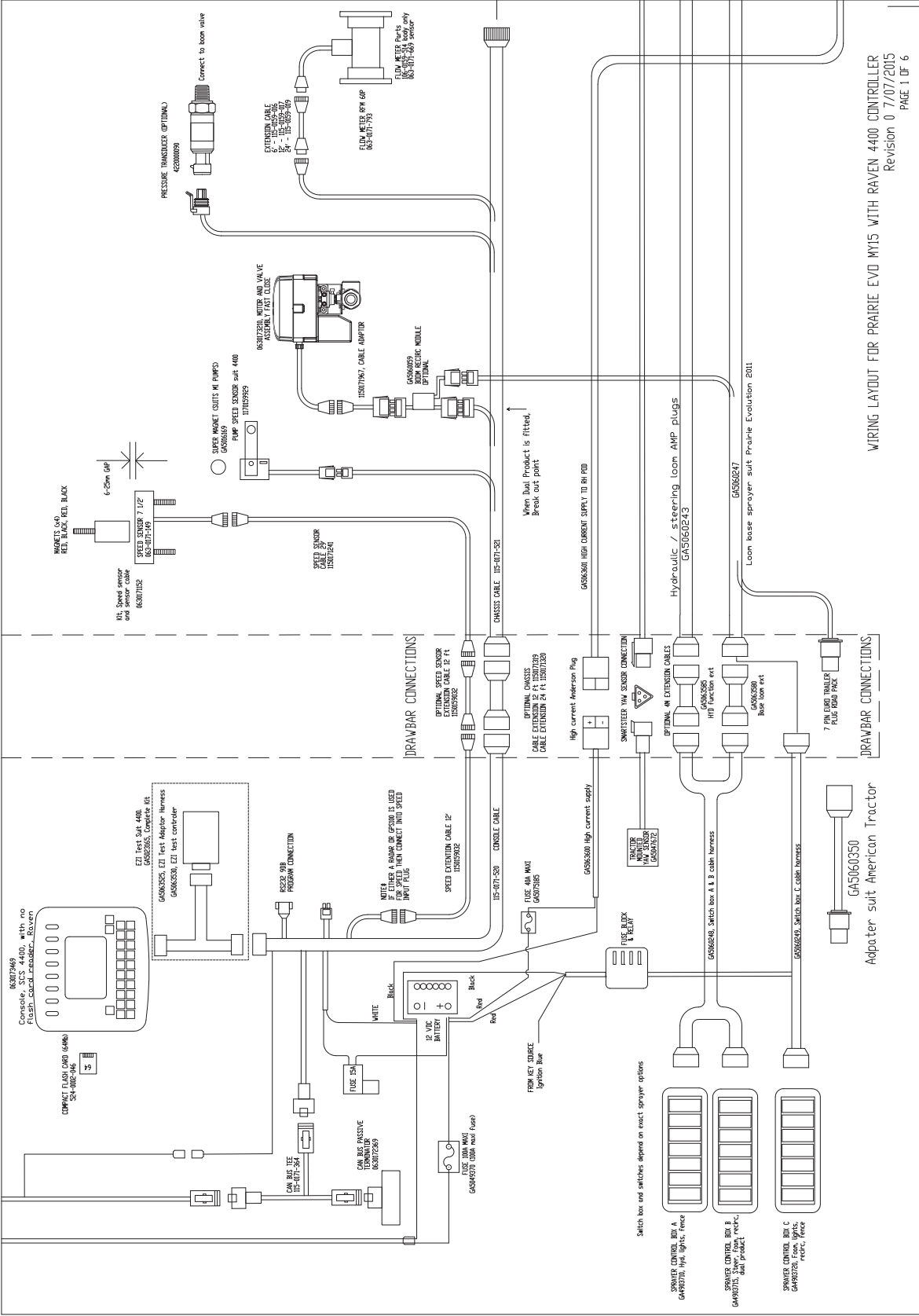
Electrical Layout - Page 2



1150230045 Raven Ultraglide harness not shown

WIRING LAYOUT FOR PRAIRIE EVO MY15 WITH RAVEN 4400 CONTROLLER
Revision 0 7/07/2015
PAGE 6 OF 6

Electrical Layout - Page 3

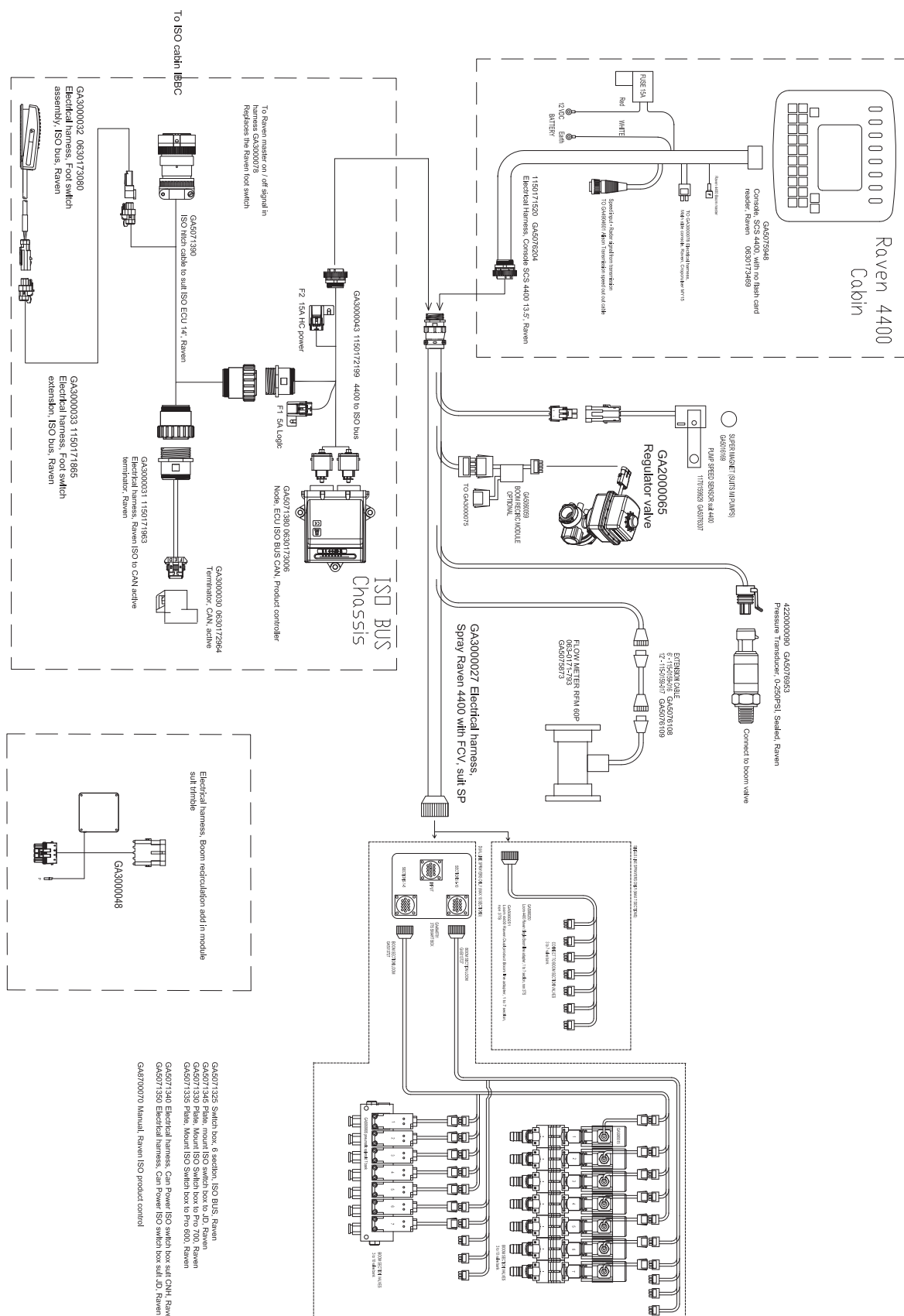


WIRING LAYOUT FOR PRAIRIE EVO MY15 WITH RAVEN 4400 CONTROLLER
Revision 0 7/07/2015
PAGE 1 OF 6

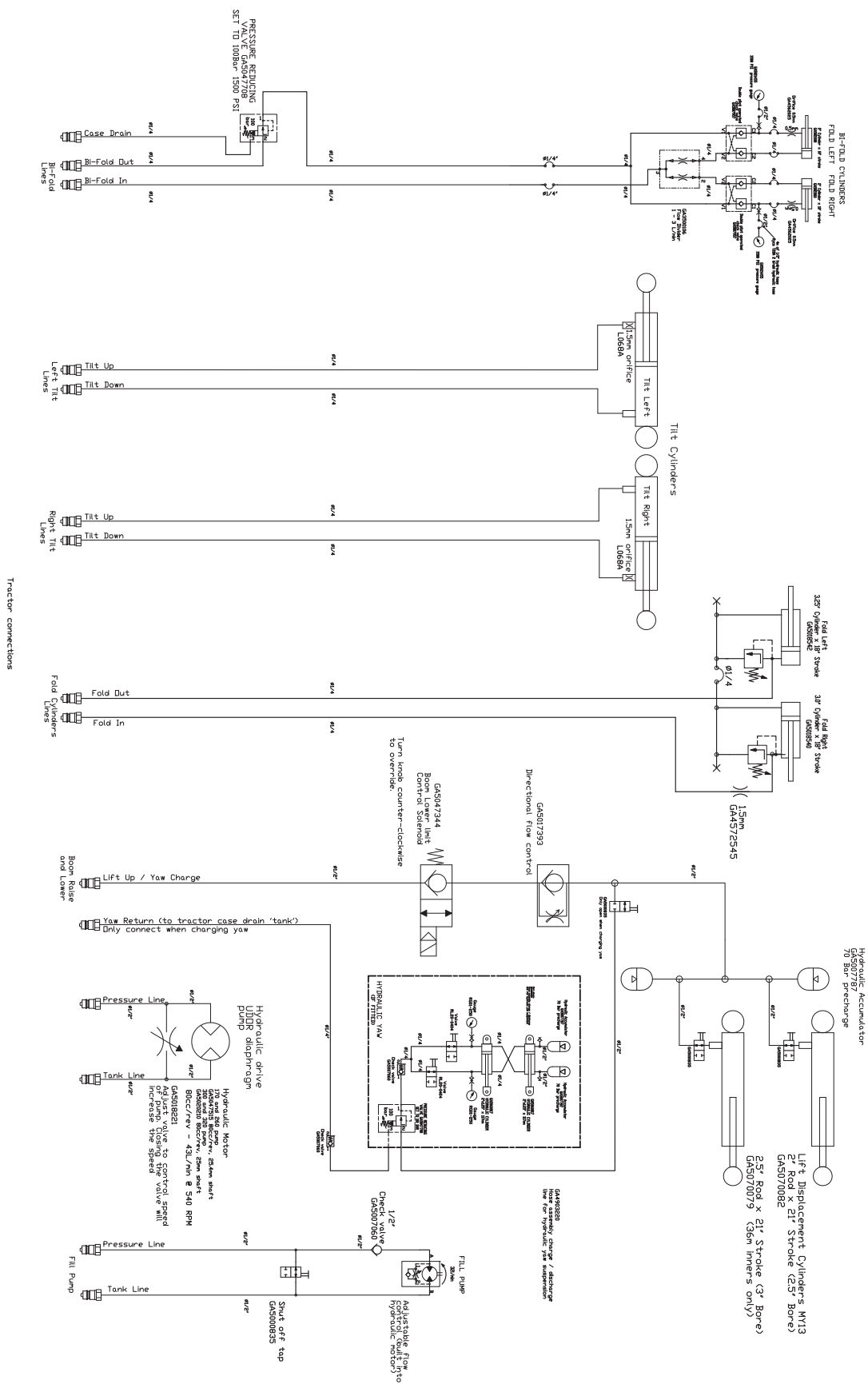
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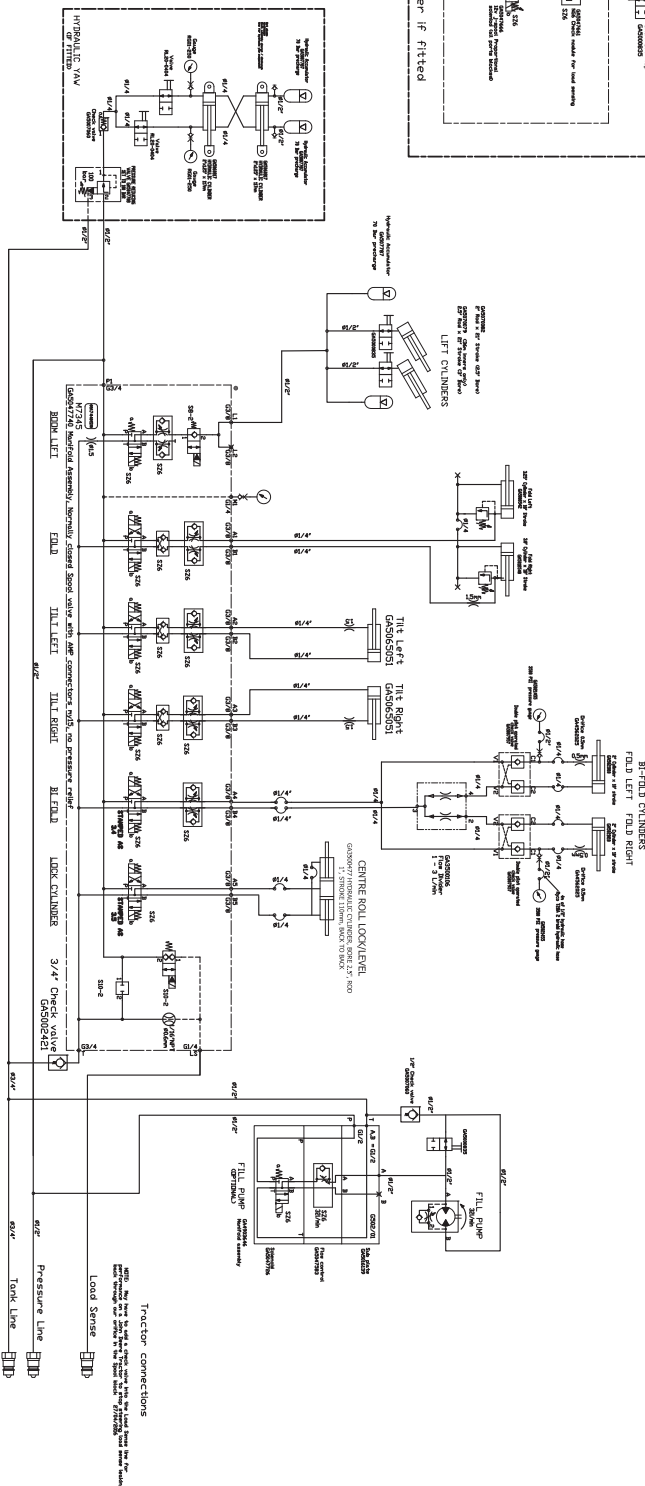
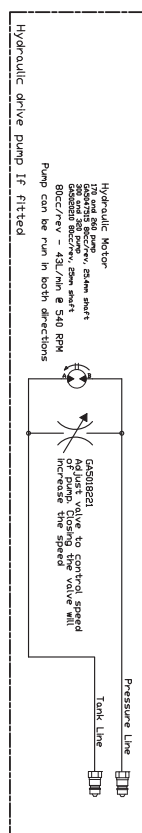
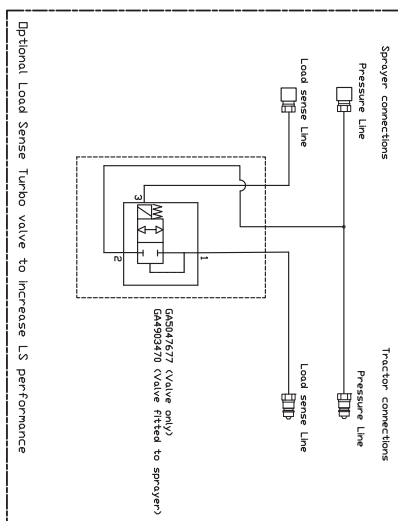
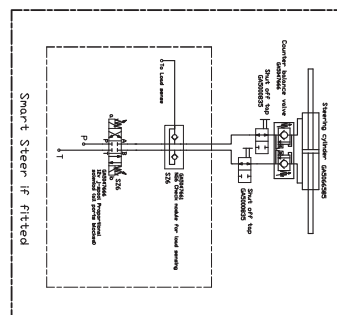
Electrical Layout - Sprayer Control



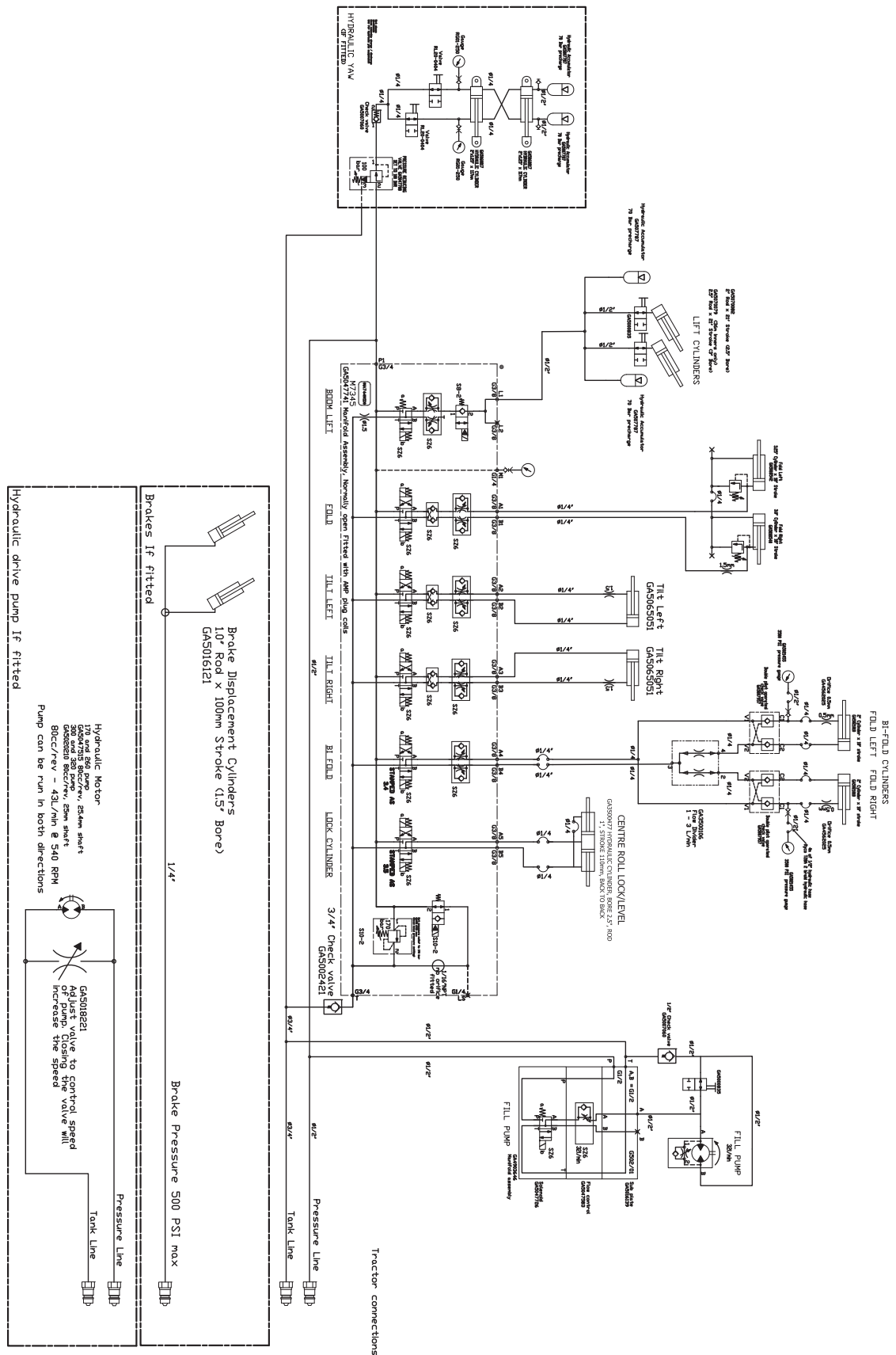
Hydraulics - No Spool Valves



Hydraulics - Spool Valves Closed Centre



Hydraulics - Spool Valves Open Centre


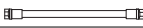
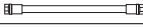





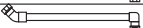
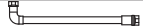
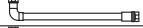



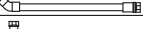

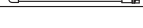
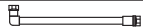



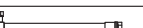




Hydraulics - Hose - 4000/5000L

Hose No.	Hose Length	End 1 (and orientation if reqd)	End 2 (and orientation if reqd)	Description	Orientation	Hose P/N
Spool Valve and Lift Hoses						
01	6000mm	Straight (T201-0808)	Straight (T201-0808)	Tractor to Tee - Pressure Line		GA5067890
02	3900mm	90Deg (T205-0808)	Straight (T202-0808)	Spool valve to accumulator		GA5067899
03	2100mm x 2	90Deg (T205-0808)	Straight (T202-0808)	Accumulator to Lift Cylinder		GA5067898
04	6300mm	Straight (T202-1212)	Straight (T202-1212)	Tee to Spool Valve - Tank Line		GA5067906
05	7100mm	90Deg (T205-0808)	Straight (T202-0808)	Tee to Spool - Pressure Line		GA5067907
06	6000mm	Straight (T202-1212)	Straight (T201-1212)	Tractor to Tee - Tank Line		GA4905049
07	14600mm	90Deg (T205-0404)	Straight (T202-0404)	Tractor to Spool - Load Sense		GA5067891
Fold Hoses with Spool						
08	2375mm (1R)	JIC Straight (T204-0409)	Straight (T202-0404)	Left hand side		GA4905016
09	2600mm (2R)	Straight (T202-0404)	90Deg (T205-0404)	Right hand side		GA4905017
10	3560mm	JIC Straight (T204-0409)	JIC 90Deg (T207-0409)	Crossover link		GA4905018
Non Spool						
	6000mm	90Deg (T205-0808)	Straight (T201-0808)	Tractor To Limit Switch		GA5067886
	4300mm	Straight (T202-0808)	90Deg (T205-0808)	Limit Switch To Accumulator		GA4905031
	2100mm x 2	Straight (T202-0808)	90Deg (T205-0808)	Accumulator To Lift Cylinder		GA5067898
	14600mm	Straight (T204-0409)	Straight (T202-0404)	Tractor		
	14600mm	90 Deg (T205-0404)	Straight (T202-0404)	Tractor		
10	3560mm	JIC Straight (T204-0409)	JIC 90Deg (T205-0409)	Crossover link (TRI TECH)		GA4905018
Tilt with Spool						
11	1480mm (1Y)	Straight (T204-0609)	90Deg (T207-0609)	Left Tilt 1		GA5067091
12	1140mm (2Y)	Straight (T204-0609)	Straight (T204-0609)	Left Tilt 2		GA5067092
13	1400mm (1B)	Straight (T204-0609)	90Deg (T207-0609)	Right Tilt 1		GA5067087
14	1030mm (2B)	Straight (T204-0609)	Straight (T204-0609)	Right Tilt 2		GA5067086
Tilt with out Spool						
65	14000mm x 2 (1 x 1Y) & (1 x 2Y)	90 deg (T205-0404)	Straight (T202-0404)	Cylinder to Tractor 1		GA5067230
66	14000mm x 2 (1 x 1B) & (1 x 2B)	Straight (T202-0404)	Straight (T202-0404)	Tilt to Tractor 2		GA5067231
Hydraulic Yaw Hoses						
15	1500mm (1Y)	45 Deg (T227-0404)	straight (T202-0404)	Yaw Hose 1		GA5067285
16	555mm (2Y)	45 Deg (T227-0404)	Straight (T202-0404)	Yaw Hose 2		GA5067133
17	785mm (1B)	45 Deg (T227-0404)	Straight (T202-0404)	Yaw Hose 3		GA5067134
18	1680mm (2B)	90 Deg (T205-0404)	Straight (T202-0404)	Yaw Hose 4		GA5067132
19	1680mm (1R)	90 Deg (T205-0404)	Straight (T202-0404)	Yaw Hose 5		GA4903200
20	1140mm	90 Deg (T205-0808)	Straight (T202-0808)	Yaw Hose 6		GA5067136
21	560mm	90 Deg (T205-0808)	Straight (T202-0808)	Yaw Hose 7		GA5067137
Yaw with Spool						
22	575mm (2B,1R)	90 Deg (T205-0808) (Leave Loose. Do not crimp)	45 Deg (T227-0808)	Pressure to Yaw Block		GA5067253
23	700mm (2B,2R)	Straight (T202-0808)	90 Deg (T205-0808)	Tank to Yaw Block		GA5067254
Yaw without Spool						
24	3200mm ()	Straight (T202-0808)	Straight (T202-0808)	Reducing Block to Accumulator		GA5067123
25	12600mm (1Y,1R,1B)	Straight (T202-0404)	Straight (T201-0404)	Return to Sprayer		GA5067124

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Hydraulics - Hose - 4000/5000L

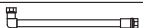
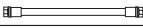
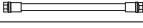



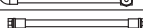

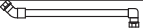




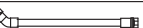

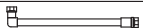



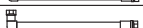
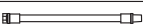





Hose No.	Hose Length	End 1 (and orientation if reqd)	End 2 (and orientation if reqd)	Description	Orientation	Hose P/N
Hydraulic Driven Spray Pump ZETA 260 & 300						
43	4000mm () x 2	90 Deg (T226-0808)	Straight (T201-0808)	Spray Pump		GA4922105
44	300mm ()	Straight (T201-0808)	Straight (T202-0808)	Spray Pump		GA4922110
45	340mm ()	Straight (T201-0808)	Straight (T202-0808)	Spray Pump		GA4922115
Bi-Fold Hoses						
50	8900mm (1B)	90 Deg (T226-0808)	Straight (T202-0808)	Right Hand Gauge		GA5067128
51	8900mm	90 Deg (T226-0808)	Straight (T202-0808)	Left Hand Gauge		GA5067128
74	835mm (1B,1Y)	90°(T205-0404)	90°(T205-0404)			GA3500566
75	585mm (2B,1Y)	45°(T227-0404)	90°(T205-0404)	SPOOL VALVE B, FLOW DIVIDER 3, BI-FOLD		GA3500567
76	300mm x 1	STRAIGHT (T202-0404)	STRAIGHT (T202-0404)	BI-FOLD LINK HOSE		GA5067131
164	235 (1B, 1R)	45°(T227-0404)	90°(T205-0404)	FLOW DIVIDER 2, FRONT DOUBLE PILOT CHECK VALVE V2, BI-FOLD		GA3500568
165	275 (2B, 1R)	45°(T227-0404)	90°(T205-0404)	FLOW DIVIDER 4, BACK DOUBLE PILOT CHECK VALVE V2, BI-FOLD		GA3500569
77	5045mm (1Y)	90° (T226-0404)	STRAIGHT (T202-0404)	BI-FOLD RV1		GA3500580
78	4970mm (2Y)	90° (T226-0404)	STRAIGHT (T202-0404)	BI-FOLD RV2		GA3500581
79	4900mm (1B)	90° (T226-0404)	STRAIGHT (T202-0404)	BI-FOLD LV1		GA3500582
80	5020mm (2B)	90 Deg (T226-0404)	Straight (T202-0404)	LV2		GA5067271
Fill Pump With Spool						
59	2230mm (1B)	45 Deg (T227-0808)	Straight (T202-0808)	Spool to Pump A		GA5067910
60	2260mm (1R)	45 Deg (T227-0808)	Straight (T202-0808)	Spool to Pump B		GA5067903
61	360mm	Straight (T202-0808)	90Deg (T205-0808)			GA
62	435mm	Straight (T202-0808)	90Deg (T205-0808)			GA
Fill Pump Without Spool						
61	360mm	Straight (T202-0808)	90Deg (T205-0808)			GA
62	435mm	Straight (T202-0808)	90Deg (T205-0808)			GA
	7000mm x 2	Straight (T202-0808)	90Deg (T201-0808)			
Centre Level Hoses						
81	1170mm (1Y)	90°(T205-0404)	STRAIGHT (T202-0404)	SPOOL BLOCK A, CYLINDER CENTRE PORT		GA3500570
82	1250mm	STRAIGHT (T202-0404)	STRAIGHT (T202-0404)	SPOOL BLOCK B, CYLINDER ROD END		GA4905082
166	225mm	90°(T205-0404)	STRAIGHT (T202-0404)	LINK HOSE		GA3500571

Hydraulics - Hose - 6500/7500L

Hose No.	Hose Length	End 1 (and orientation if reqd)	End 2 (and orientation if reqd)	Description	Orientation	Hose P/N
Spool Valve and Lift Hoses						
01	6000mm	Straight (T201-0808)	Straight (T201-0808)	Tractor to Tee - Pressure Line		GA5067890
02	3900mm	90Deg (T205-0808)	Straight (T202-0808)	Spool valve to accumulator		GA5067899
03	2100mm x 2	90Deg (T205-0808)	Straight (T202-0808)	Accumulator to Lift Cylinder		GA5067898
04	6900mm	Straight (T202-1212)	Straight (T202-1212)	Tee to Spool Valve - Tank Line		GA4905021
05	7700mm	90Deg (T205-0808)	Straight (T202-0808)	Tee to Spool - Pressure Line		GA4905022
06	6000mm	Straight (T202-1212)	Straight (T201-1212)	Tractor to Tee - Tank Line		GA4905049
07	14600mm	90Deg (T205-0404)	Straight (T202-0404)	Tractor to Spool - Load Sense		GA4905023
Fold Hoses						
08	2375mm (1R)	JIC Straight (T204-0409)	Straight (T202-0404)	Left hand side		GA5067901
09	2600mm (2R)	Straight (T202-0404)	90Deg (T205-0404)	Right hand side		GA5067900
10	3560mm	JIC Straight (T204-0409)	JIC 90Deg (T207-0409)	Crossover link		GA5067902
Non Spool						
	14600mm	Straight (T204-0409)	Straight (T202-0404)	Tractor		
	14600mm	Straight (T205-0404)	Straight (T202-0404)	Tractor		
	6000mm	90Deg (T205-0808)	Straight (T201-0808)	Tractor To Limit Switch		GA5067886
10	3560mm	JIC Straight (T204-0409)	JIC 90Deg (T207-0409)	Crossover link (TRI TECH)		GA4905018
	4900mm	Straight (T202-0808)	90Deg (T205-0808)	Limit Switch To Accumulator		GA4905024
	2100mm x 2	Straight (T202-0808)	90Deg (T205-0808)	Accumulator To Lift Cylinder		GA5067230
Tilt with Spool						
11	1480mm (1Y)	Straight (T204-0609)	90Deg (T207-0609)	Left Tilt 1		GA5067091
12	1140mm (2Y)	Straight (T204-0609)	Straight (T204-0609)	Left Tilt 2		GA5067092
13	1400mm (1B)	Straight (T204-0609)	90Deg (T207-0609)	Right Tilt 1		GA5067087
14	1030mm (2B)	Straight (T204-0609)	Straight (T204-0609)	Right Tilt 2		GA5067086
Tilt with out Spool						
65	14000mm x 2 (1 x 1Y) & (1 x 2Y)	90 deg (T205-0404)	Straight (T202-0404)	Cylinder to Tractor 1		GA5067230
66	14000mm x 2 (1 x 1B) & (1 x 2B)	Straight (T202-0404)	Straight (T202-0404)	Tilt to Tractor 2		GA5067231
Hydraulic Yaw Hoses						
15	1500mm (1Y)	45 Deg (T227-0404)	straight (T202-0404)	Yaw Hose 1		GA5067138
16	555mm (2Y)	45 Deg (T227-0404)	Straight (T202-0404)	Yaw Hose 2		GA5067133
17	785mm (1B)	45 Deg (T227-0404)	Straight (T202-0404)	Yaw Hose 3		GA5067134
18	1680mm (2B)	90 Deg (T205-0404)	Straight (T202-0404)	Yaw Hose 4		GA5067132
19	1680mm (1R)	90 Deg (T205-0404)	Straight (T202-0404)	Yaw Hose 5		GA4903200
20	1140mm	90 Deg (T205-0808)	Straight (T202-0808)	Yaw Hose 6		GA5067136
21	560mm	90 Deg (T205-0808)	Straight (T202-0808)	Yaw Hose 7		GA5067137
Yaw with Spool						
22	575mm (2B,1R)	90 Deg (T205-0808) (Leave Loose. Do not crimp)	Straight (T227-0808)	Pressure to Yaw Block		GA5067253
23	700mm (2B,2R)	Straight (T202-0808)	90 Deg (T205-0808)	Tank to Yaw Block		GA5067254
Yaw without Spool						
24	3200mm ()	Straight (T202-0808)	Straight (T202-0808)	Reducing Block to Accumulator		GA5067123
25	12600mm (1Y,1R,1B)	Straight (T202-0404)	Straight (T201-0404)	Return to Sprayer		GA5067124

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Hydraulics - Hose - 6500/7500L


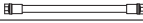
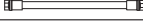



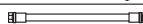
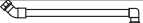

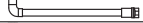
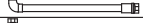








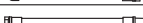




Hose No.	Hose Length	End 1 (and orientation if reqd)	End 2 (and orientation if reqd)	Description	Orientation	Hose P/N
Hydraulic Driven Spray Pump ZETA 260 & 300						
43	4000mm () 2	90 Deg (T226-0808)	Straight (T201-0808)	Spray Pump		GA4922105
44	300mm ()	Straight (T201-0808)	Straight (T202-0808)	Spray Pump		GA4922110
45	340mm ()	Straight (T201-0808)	Straight (T202-0808)	Spray Pump		GA4922115
BI-Fold Hoses						
50	9500mm (1B)	90 Deg (T226-0808)	Straight (T202-0808)	Right Hand Gauge		GA4905026
51	9500mm	90 Deg (T226-0808)	Straight (T202-0808)	Left Hand Gauge		GA4905026
74	835mm (1B,1Y)	90°(T205-0404)	90°(T205-0404)			GA3500566
75	585mm (2B,1Y)	45°(T227-0404)	90°(T205-0404)	SPOOL VALVE B, FLOW DIVIDER 3, BI-FOLD		GA3500567
76	300mm x 1	STRAIGHT (T202-0404)	STRAIGHT (T202-0404)	BI-FOLD LINK HOSE		GA5067131
164	235 (1B, 1R)	45°(T227-0404)	90°(T205-0404)	FLOW DIVIDER 2, FRONT DOUBLE PILOT CHECK VALVE V2, BI-FOLD		GA3500568
165	275 (2B, 1R)	45°(T227-0404)	90°(T205-0404)	FLOW DIVIDER 4, BACK DOUBLE PILOT CHECK VALVE V2, BI-FOLD		GA3500569
77	5045mm (1Y)	90° (T226-0404)	STRAIGHT (T202-0404)	BI-FOLD RV1		GA3500580
78	4970mm (2Y)	90° (T226-0404)	STRAIGHT (T202-0404)	BI-FOLD RV2		GA3500581
79	4900mm (1B)	90° (T226-0404)	STRAIGHT (T202-0404)	BI-FOLD LV1		GA3500582
80	5020mm (2B)	90 Deg (T226-0404)	Straight (T202-0404)	LV2		GA5067271
Fill Pump With Spool						
59	2230mm (1B)	45 Deg (T227-0808)	Straight (T202-0808)	Spool to Pump A 6500 Only		GA5067910
60	2260mm (1R)	45 Deg (T227-0808)	Straight (T202-0808)	Spool to Pump B 6500 Only		GA5067903
61	360mm	Straight (T202-0808)	90Deg (T205-0808)			GA
62	435mm	Straight (T202-0808)	90Deg (T205-0808)			GA
59	2480mm (1B)	Straight (T202-0808)	90Deg (T227-0808)	Spool to Pump A 7500 Only		GA
60	2405mm (1R)	Straight (T202-0808)	90Deg (T227-0808)	Spool to Pump B 7500 Only		GA
Fill Pump Without Spool						
61	360mm	Straight (T202-0808)	90Deg (T205-0808)			GA
62	435mm	Straight (T202-0808)	90Deg (T205-0808)			GA
	7000mm x 2	Straight (T202-0808)	90Deg (T201-0808)			
Centre Level Hoses						
81	1170mm (1Y)	90°(T205-0404)	STRAIGHT (T202-0404)	SPOOL BLOCK A, CYLINDER CENTRE PORT		GA3500570
82	1250mm	STRAIGHT (T202-0404)	STRAIGHT (T202-0404)	SPOOL BLOCK B, CYLINDER ROD END		GA4905082
166	225mm	90°(T205-0404)	STRAIGHT (T202-0404)	LINK HOSE		GA3500571

Hydraulics - Hose - 8500L

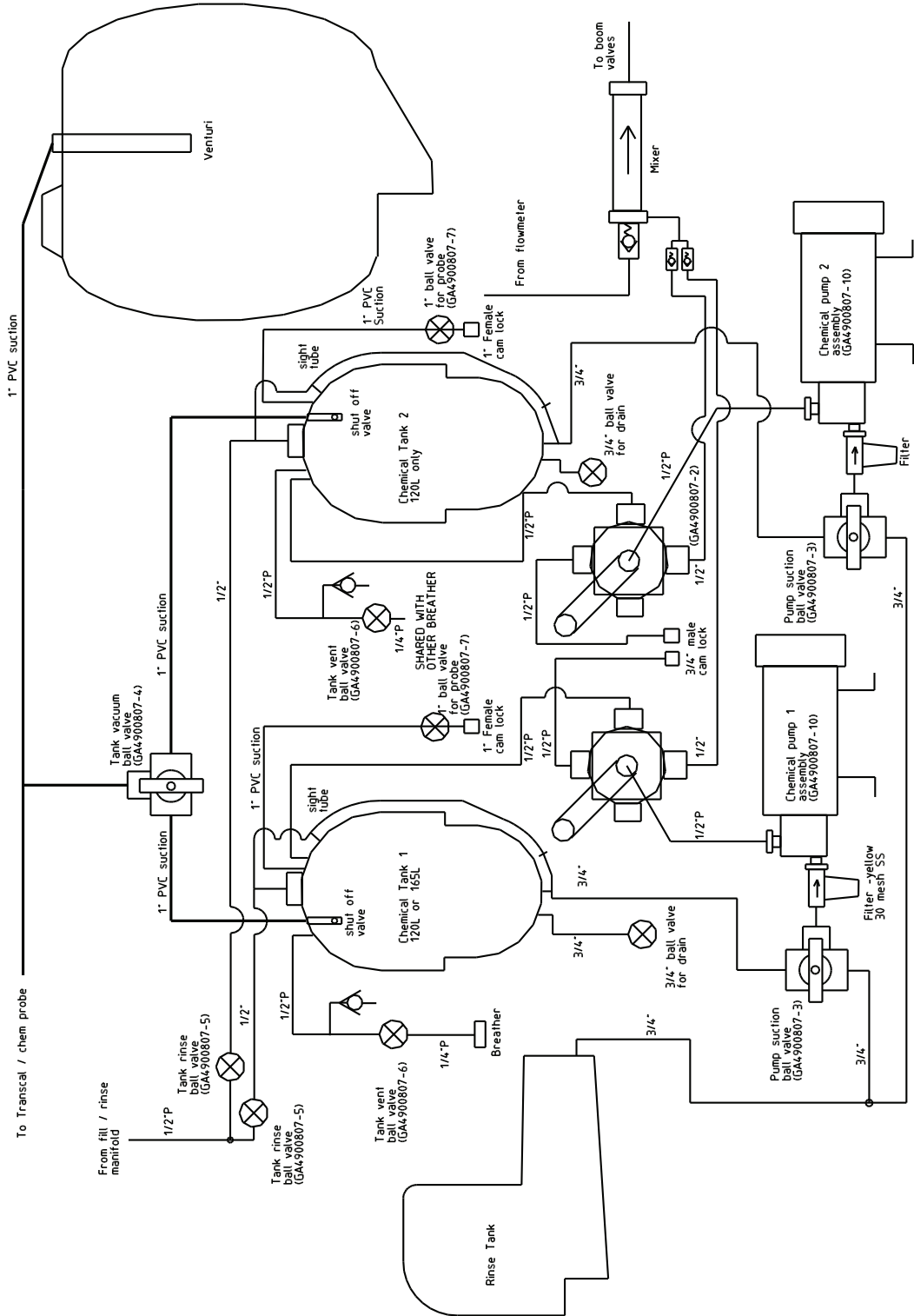
Hose No.	Hose Length	End 1 (and orientation if reqd)	End 2 (and orientation if reqd)	Description	Orientation	Hose P/N
Spool Valve and Lift Hoses						
01	6000mm	Straight (T201-0808)	Straight (T201-0808)	Tractor to Tee - Pressure Line		GA5067890
02	3900mm	90Deg (T205-0808)	Straight (T202-0808)	Spool valve to accumulator		GA5067899
03	2100mm x 2	90Deg (T205-0808)	Straight (T202-0808)	Accumulator to Lift Cylinder		GA5067898
04	7300mm	Straight (T202-1212)	Straight (T202-1212)	Tee to Spool Valve - Tank Line		GA4905027
05	8100mm	90Deg (T205-0808)	Straight (T202-0808)	Tee to Spool - Pressure Line		GA4905028
06	6000mm	Straight (T202-1212)	Straight (T201-1212)	Tractor to Tee - Tank Line		GA4905049
07	14600mm	90Deg (T205-0404)	Straight (T202-0404)	Tractor to Spool - Load Sense		GA4905029
Fold Hoses Spool						
08	2375mm (1R)	JIC Straight (T204-0409)	Straight (T202-0404)	Left hand side		GA5067901
09	2600mm (2R)	Straight (T202-0404)	90Deg (T205-0404)	Right hand side		GA5067900
10	3560mm	JIC Straight (T204-0409)	JIC 90Deg (T207-0409)	Crossover link		GA5067902
Non Spool						
	15000mm	Straight (T204-0409)	Straight (T202-0404)	Tractor		
	15000mm	90Deg (T205-0404)	Straight (T202-0404)	Tractor		
10	3560mm	JIC Straight (T204-0409)	JIC 90Deg (T205-0409)	Crossover link (TRI TECH)		GA4905018
	3080mm	90Deg (T205-0404)	90Deg (T205-0404)	Crossover link (Delta)		HL-19GA
	6000mm	90Deg (T205-0808)	Straight (T201-0808)	Tractor To Limit Switch		GA5067886
	5300mm	Straight (T202-0808)	90Deg (T205-0808)	Limit Switch To Accumulator		GA4905031
	2100mm x 2	Straight (T202-0808)	90Deg (T205-0808)	Accumulator To Lift Cylinder		GA5067898
Tilt with Spool Hoses						
11	1480mm (1Y)	Straight (T204-0609)	90Deg (T207-0609)	Left Tilt 1		GA5067091
12	1140mm (2Y)	Straight (T204-0609)	Straight (T204-0609)	Left Tilt 2		GA5067092
13	1400mm (1B)	Straight (T204-0609)	90Deg (T207-0609)	Right Tilt 1		GA5067087
14	1030mm (2B)	Straight (T204-0609)	Straight (T204-0609)	Right Tilt 2		GA5067086
Tilt with out Spool						
65	14500mm x 2 (1 x 1Y) & (1 x 2Y)	90 deg (T205-0404)	Straight (T202-0404)	Cylinder to Tractor 1		GA5067230
66	14500mm x 2 (1 x 1B) & (1 x 2B)	Straight (T202-0404)	Straight (T202-0404)	Tilt to Tractor 2		GA5067231
Hydraulic Yaw Hoses						
15	1500mm (1Y)	45 Deg (T227-0404)	straight (T202-0404)	Yaw Hose 1		GA5067138
16	555mm (2Y)	45 Deg (T227-0404)	Straight (T202-0404)	Yaw Hose 2		GA5067133
17	785mm (1B)	45 Deg (T227-0404)	Straight (T202-0404)	Yaw Hose 3		GA5067134
18	1680mm (2B)	90 Deg (T205-0404)	Straight (T202-0404)	Yaw Hose 4		GA5067132
19	1680mm (1R)	90 Deg (T205-0404)	Straight (T202-0404)	Yaw Hose 5		GA4903200
20	1140mm	90 Deg (T205-0808)	Straight (T202-0808)	Yaw Hose 6		GA5067136
21	560mm	90 Deg (T205-0808)	Straight (T202-0808)	Yaw Hose 7		GA5067137
Yaw with Spool						
22	575mm (2B,1R)	90 Deg (T205-0808) (Leave Loose. Do not crimp)	Straight (T227-0808)	Pressure to Yaw Block		GA5067253
23	700mm (2B,2R)	Straight (T202-0808)	90 Deg (T205-0808)	Tank to Yaw Block		GA5067254
Yaw without Spool						
24	3200mm ()	Straight (T202-0808)	Straight (T202-0808)	Reducing Block to Accumulator		GA5067123
25	13000mm (1Y,1R,1B)	Straight (T202-0404)	Straight (T201-0404)	Return to Sprayer		GA5067124

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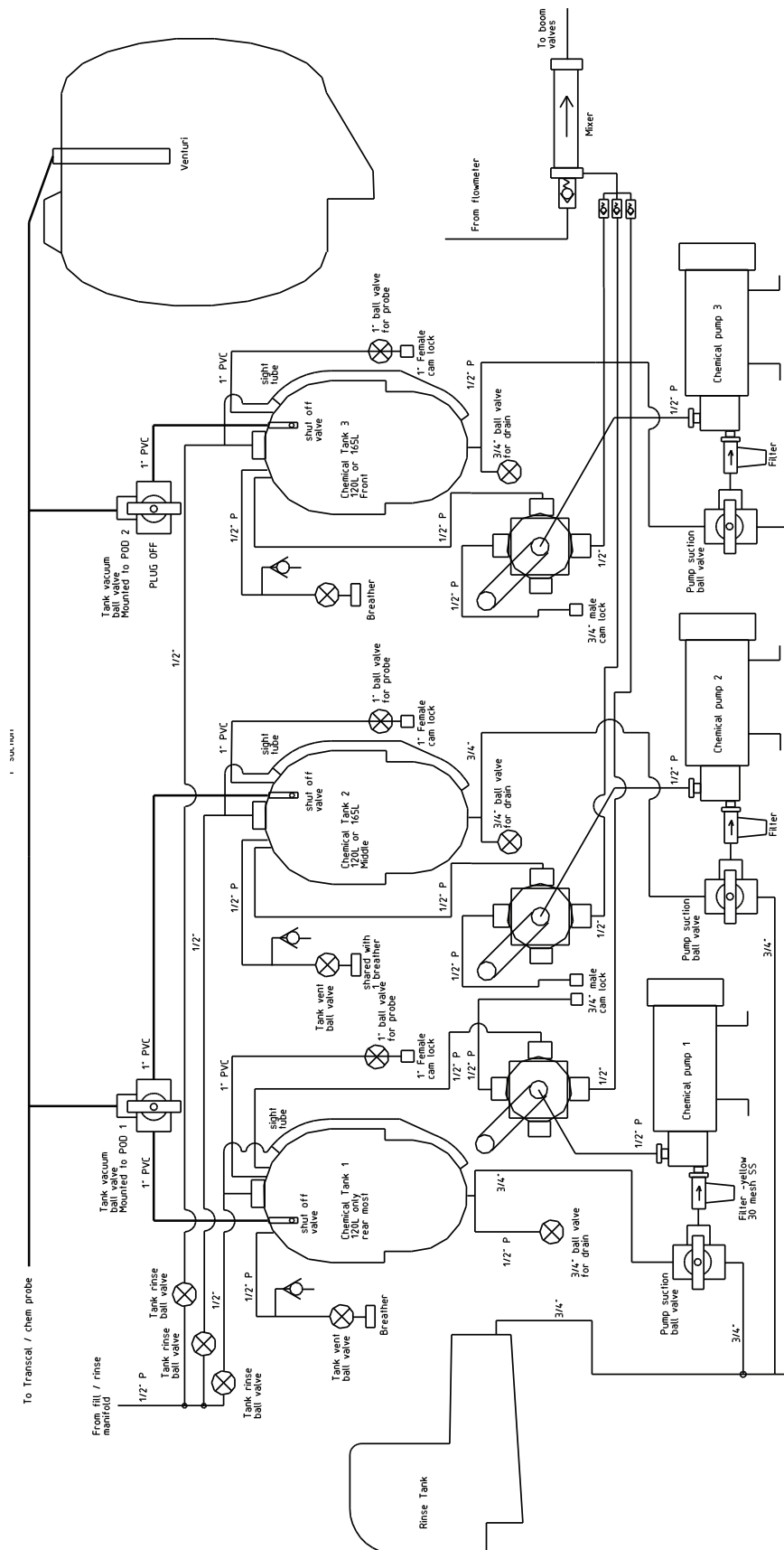
Hydraulics - Hose - 8500L

Hose No.	Hose Length	End 1 (and orientation if reqd)	End 2 (and orientation if reqd)	Description	Orientation	Hose P/N
Hydraulic Driven Spray Pump ZETA 260 & 300						
43	4000mm () x 2	90 Deg (T226-0808)	Straight (T201-0808)	Spray Pump		GA4922105
44	300mm ()	Straight (T201-0808)	Straight (T202-0808)	Spray Pump		GA4922110
45	340mm ()	Straight (T201-0808)	Straight (T202-0808)	Spray Pump		GA4922115
Bi-Fold Hoses						
50	9900mm (1B)	90 Deg (T226-0808)	Straight (T202-0808)	Right Hand Gauge		GA4905034
51	9900mm ()	90 Deg (T226-0808)	Straight (T202-0808)	Left Hand Gauge		GA4905034
74	835mm (1B,1Y)	90°(T205-0404)	90°(T205-0404)			GA3500566
75	585mm (2B,1Y)	45°(T227-0404)	90°(T205-0404)	SPOOL VALVE B, FLOW DIVIDER 3, BI-FOLD		GA3500567
76	300mm x 1	STRAIGHT (T202-0404)	STRAIGHT (T202-0404)	BI-FOLD LINK HOSE		GA5067131
164	235 (1B, 1R)	45°(T227-0404)	90°(T205-0404)	FLOW DIVIDER 2, FRONT DOUBLE PILOT CHECK VALVE V2, BI-FOLD		GA3500568
165	275 (2B, 1R)	45°(T227-0404)	90°(T205-0404)	FLOW DIVIDER 4, BACK DOUBLE PILOT CHECK VALVE V2, BI-FOLD		GA3500569
77	5045mm (1Y)	90° (T226-0404)	STRAIGHT (T202-0404)	BI-FOLD RV1		GA3500580
78	4970mm (2Y)	90° (T226-0404)	STRAIGHT (T202-0404)	BI-FOLD RV2		GA3500581
79	4900mm (1B)	90° (T226-0404)	STRAIGHT (T202-0404)	BI-FOLD LV1		GA3500582
80	5020mm (2B)	90 Deg (T226-0404)	Straight (T202-0404)	LV2		GA5067271
Fill Pump With Spool						
59	2480mm (1B)	45 Deg (T227-0808)	Straight (T202-0808)	Spool to Pump A		GA5067910
60	2405mm (1R)	45 Deg (T227-0808)	Straight (T202-0808)	Spool to Pump B		GA5067903
61	360mm	Straight (T202-0808)	90Deg (T205-0808)			GA
62	435mm	Straight (T202-0808)	90Deg (T205-0808)			GA
Fill Pump Without Spool						
61	360mm	Straight (T202-0808)	90Deg (T205-0808)			GA
62	435mm	Straight (T202-0808)	90Deg (T205-0808)			GA
	7000mm x 2	Straight (T202-0808)	90Deg (T201-0808)			
Centre Level Hoses						
81	1170mm (1Y)	90°(T205-0404)	STRAIGHT (T202-0404)	SPOOL BLOCK A, CYLINDER CENTRE PORT		GA3500570
82	1250mm	STRAIGHT (T202-0404)	STRAIGHT (T202-0404)	SPOOL BLOCK B, CYLINDER ROD END		GA4905082
166	225mm	90°(T205-0404)	STRAIGHT (T202-0404)	LINK HOSE		GA3500571

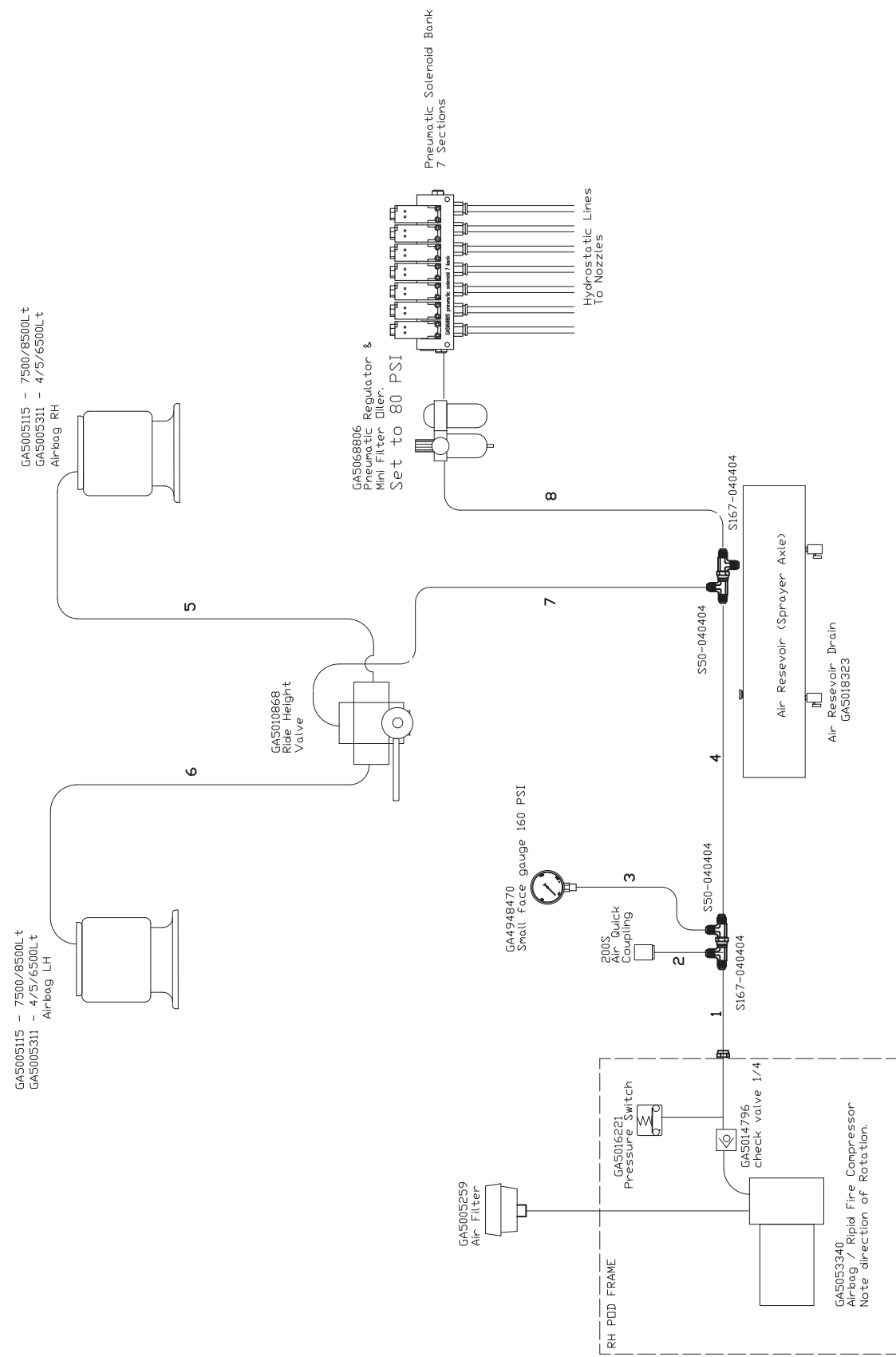
Plumbing - Direct Chemical Injection - Dual Unit



Plumbing - Direct Chemical Injection - Triple Unit



Pneumatics - Airbag & RapidFire



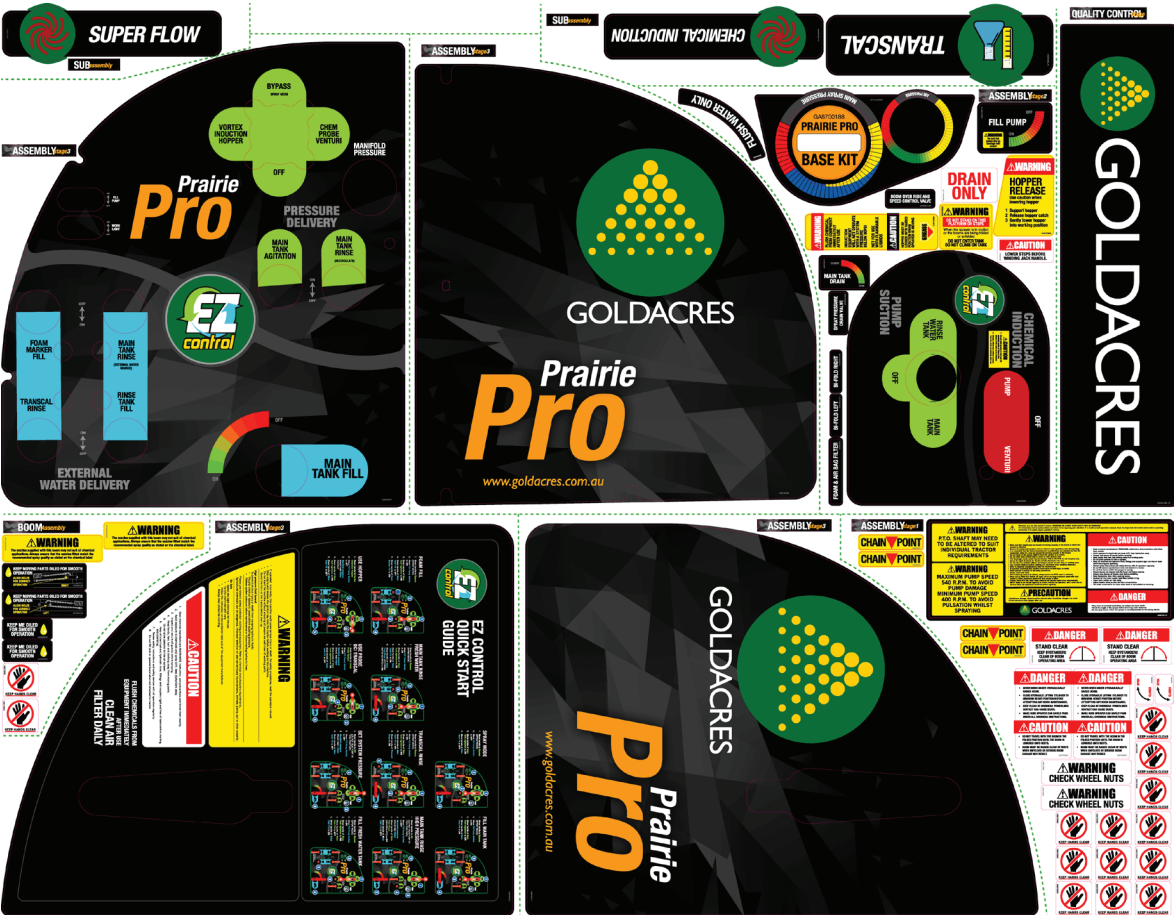
Pneumatics - Hose List

HOSE NO.	Machine	HOSE SIZE	LENGTH	END FITTING	END FITTING	DESCRIPTION	QTY	ORIENTATION	PART NUMBER
1	4-6500 7/8500	1/4" BLUE	1300mm	T202-0404	T202-0404	RH POD to tee near pull	1		
		1/4" BLUE	1400mm	T202-0404	T202-0404	RH POD to tee near pull	1		
2	4-6500 7/8500	1/4" BLUE	1400mm	T202-0404	T205-0404	Tee near pull to Air coupling on LHS POD	1		
		1/4" BLUE	1500mm	T202-0404	T205-0404	Tee near pull to Air coupling on LHS POD	1		
3	4-6500 7/8500	1/4" BLACK	2700mm	T202-0404	T205-0404	Tee near pull to Air gauge on front	1		
4	4-6500	1/4" BLUE	3400mm	T202-0404	T202-0404	Tee near pull to air tank (axle)	1		
	7500	1/4" BLUE	3900mm	T202-0404	T202-0404	Tee near pull to air tank (axle)	1		
	8500	1/4" BLUE	4400mm	T202-0404	T202-0404	Tee near pull to air tank (axle)	1		
5	4-6500	1/4" BLUE	1220mm	T202-0404	T205-0404	Ride height valve to right hand air bag	1		
	7/8500 N	1/4" BLUE	1500mm	T202-0404	T205-0404	Ride height valve to right hand air bag	1		GA4912152
	7/8500 W	1/4" BLUE	1800mm	T202-0404	T205-0404	Ride height valve to right hand air bag	1		
6	4-6500	1/4" BLUE	950mm	T202-0404	T205-0404	Ride height valve to left hand air bag	1		
	7/8500 N	1/4" BLUE	800mm	T202-0404	T205-0404	Ride height valve to left hand air bag	1		same
	7/8500 W	1/4" BLUE	800mm	T202-0404	T205-0404	Ride height valve to left hand air bag	1		GA4912151
7	4-6500	1/4" BLUE	400mm	T202-0404	T205-0404	Air tank to ride height valve	1		same
	7/8500 N	1/4" BLUE	500mm	T202-0404	T205-0404	Air tank to ride height valve	1		GA4912150
	7/8500 W	1/4" BLUE	400mm	T202-0404	T205-0404	Air tank to ride height valve	1		same
8	4-6500 7/8500	1/4" BLUE	4700mm	T202-0404	T205-0404	Air tank to rapid fire on center section	1		

Chapter 17

DECALS

Decals - Base Kit



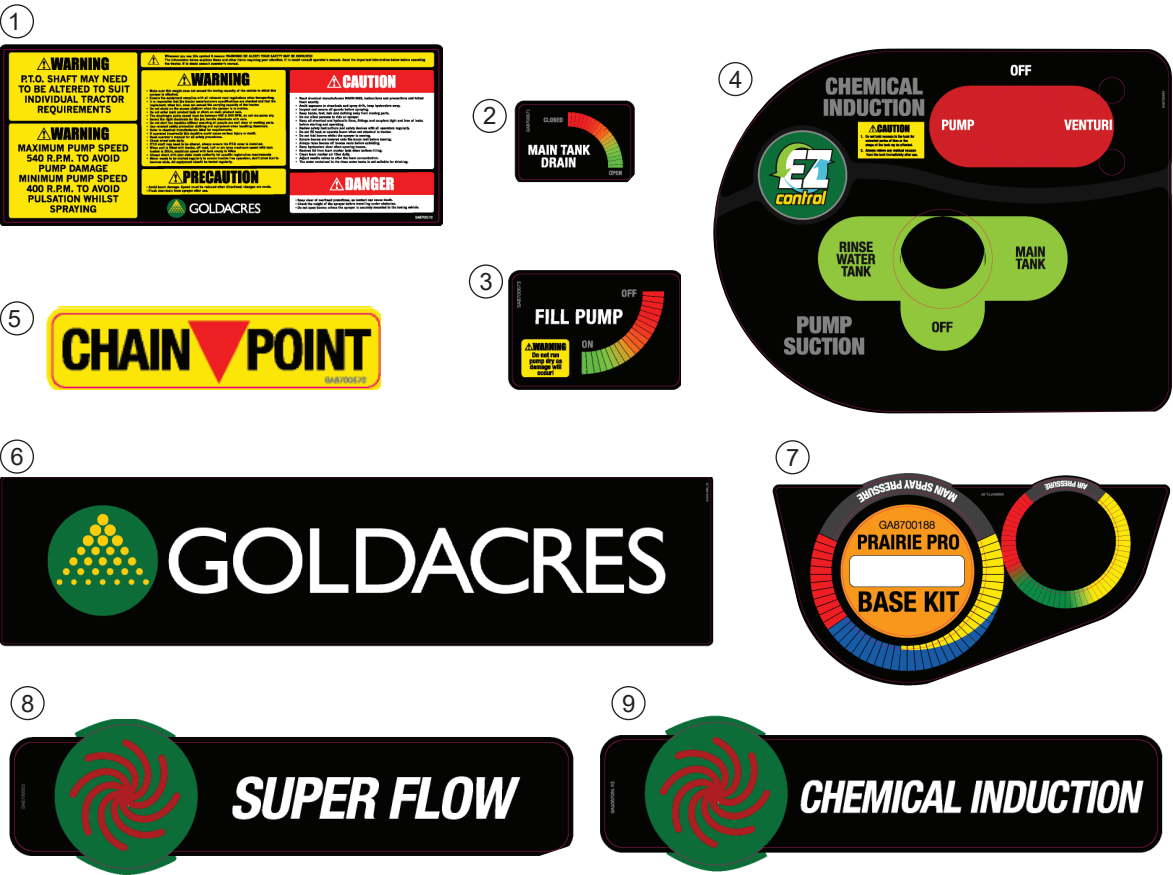
PART NUMBER	DESCRIPTION
GA8700188	Decal Kit, Prairie Pro, Base Kit

Decals - Base Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA8700270	Decal, Inner Left Side Pod Door Panel	1
2	GA8700268	Decal, Outer Right Side Pod Door Panel	1
3	GA8700271	Decal, Outer Left Side Pod Door Panel	1
4	GA8700267	Decal, Inner Left Side Pod Door Panel	1

Decals - Base Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA8700172	Warning summary	1
2	GA8700671	Main tank drain	1
3	GA8700673	Fill pump	1
4	GA8700294	Chemical induction / Pump suction	1
5	GA5061885	Goldacres	1
6	GA5064775	Main spray pressure / Air pressure	1
7	GA8700003	Super Flow	1
8	GA5062095	Chemical Induction	1

Decals - Base Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5062475	Flush water only	1
2	GA5063370	Warning - Nozzle	2
3	GA5015991	Keep hands clear	12
4	GA8700889	Warning - Flush chemical / Caution - Lock hopper	4
5	GA5015971	Drain only	1
6	GA5064169	Boom override / Speed control	1
7	GA8700662	Warning - Platform	1
8	GA8700894	Warning - Hopper release	1
9	GA5062090	Caution - Jack handle	1
10	GA5064168	Bi-fold Left	1
11	GA5064167	Bi-fold Right	1
12	GA5062870	Foam & Air bag filter	1
13	GA5061900	Spray pressure drain valve	1

Decals - Base Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5017555	Warning - Check wheel nuts	2
2	GA222EVO	Grease	57
3	GA8700665	Danger / Caution	2
4	GA220EVO	Three Tier System	1
5	GA5064166	3D Breakaway Adjustment - Right	1
		3D Breakaway Adjustment - Left	1
6	GA5063878	Keep Me Oiled	2
7	GA5064500	Open Closed	2
8	GA8700664	Danger - Stand clear boom	2


Decals - Tank



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	GA8700237	Decal, Tank, 4024, Left and Right, Goldacres Pro	
	GA8700238	Decal, Tank, 4028, Left and Right, Goldacres Pro	
	GA8700239	Decal, Tank, 4030, Left and Right, Goldacres Pro	
	GA8700240	Decal, Tank, 4033, Left and Right, Goldacres Pro	
	GA8700241	Decal, Tank, 4036, Left and Right, Goldacres Pro	
	GA8700242	Decal, Tank, 5024, Left and Right, Goldacres Pro	
	GA8700243	Decal, Tank, 5028, Left and Right, Goldacres Pro	
	GA8700260	Decal, Tank, 5030, Left and Right, Goldacres Pro	
	GA8700244	Decal, Tank, 5033, Left and Right, Goldacres Pro	
	GA8700245	Decal, Tank, 5036, Left and Right, Goldacres Pro	
	GA8700246	Decal, Tank, 6524, Left and Right, Goldacres Pro	
	GA8700247	Decal, Tank, 6528, Left and Right, Goldacres Pro	
I	GA8700248	Decal, Tank, 6530, Left and Right, Goldacres Pro	I
	GA8700249	Decal, Tank, 6533, Left and Right, Goldacres Pro	
	GA8700261	Decal, Tank, 6536, Left and Right, Goldacres Pro	
	GA8700250	Decal, Tank, 7524, Left and Right, Goldacres Pro	
	GA8700251	Decal, Tank, 7528, Left and Right, Goldacres Pro	
	GA8700252	Decal, Tank, 7530, Left and Right, Goldacres Pro	
	GA8700253	Decal, Tank, 7533, Left and Right, Goldacres Pro	
	GA8700262	Decal, Tank, 7536, Left and Right, Goldacres Pro	
	GA8700254	Decal, Tank, 8524, Left and Right, Goldacres Pro	
	GA8700255	Decal, Tank, 8528, Left and Right, Goldacres Pro	
	GA8700256	Decal, Tank, 8530, Left and Right, Goldacres Pro	
	GA8700257	Decal, Tank, 8533, Left and Right, Goldacres Pro	
	GA8700258	Decal, Tank, 8536, Left and Right, Goldacres Pro	

Decals - Switch Boxes


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
Tilt left

DOWN
Tilt right

DOWN
Boom


IN
Boom fold

IN
Bi-fold

ON
Boom lights

ON
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
Steer crab

OFF
Steering


OFF
Foam

RIGHT
Foam

OFF
Dual product

OFF
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
2nd product

OFF
Boom recirc

OFF
Foam

RIGHT
Foam

ON
Beacon

ON
Fenceline right

ITEM	PART NUMBER	DESCRIPTION	QTY.
A	GA4903710	Switch box A Prairie	1
B	GA4903715	Switch box B Prairie	1
C	GA4903720	Switch box C Prairie	1

Decals - Dry Sight Tube

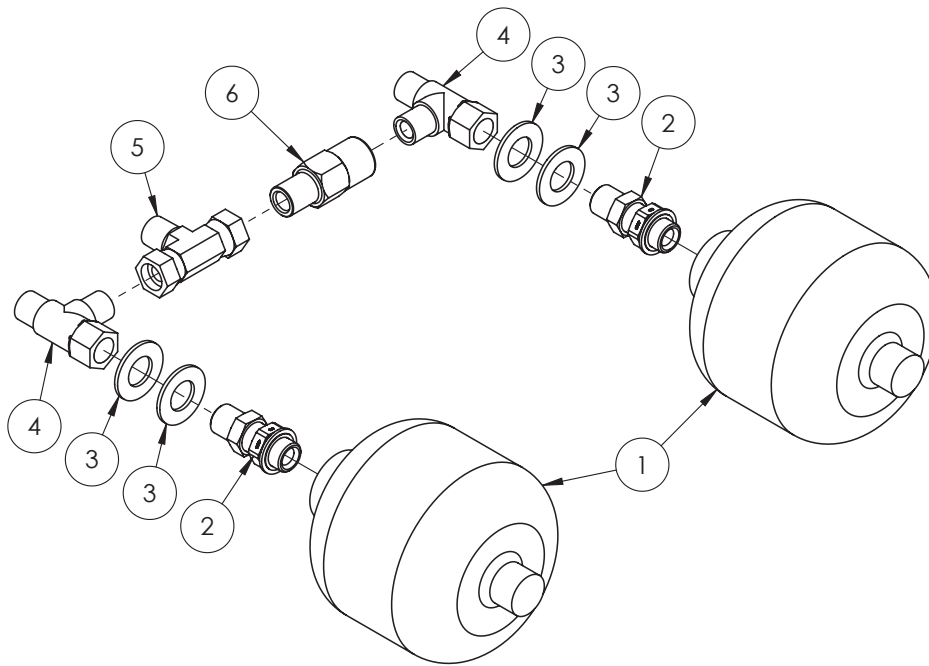
CASH FLOW, IN \$100,000											
6200	2600	420									
6400	2800	500									
6600	3000	600									
6800	3200	800									
7000	3400	1000									
7200	3600	1200									
7400	3800	1400									
7600	4000	1600									
7800	4200	1800									
8000	4400	2000									
8200	4600	2200									
8400	4800	2400									
8600	5000										
	5200										
	5400										
	5600										
8800	5800										
	6000										

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070155	Decal, Dry sight tube, 5000L, Tow behind	1
2	GA5061880	Decal, Dry sight tube, 6500L, Tow behind	
3	GA5061887	Decal, Dry sight tube, 7500L, Tow behind	
4	GA5061915	Decal, Dry sight tube, 8500L, Tow behind	

Chapter 18

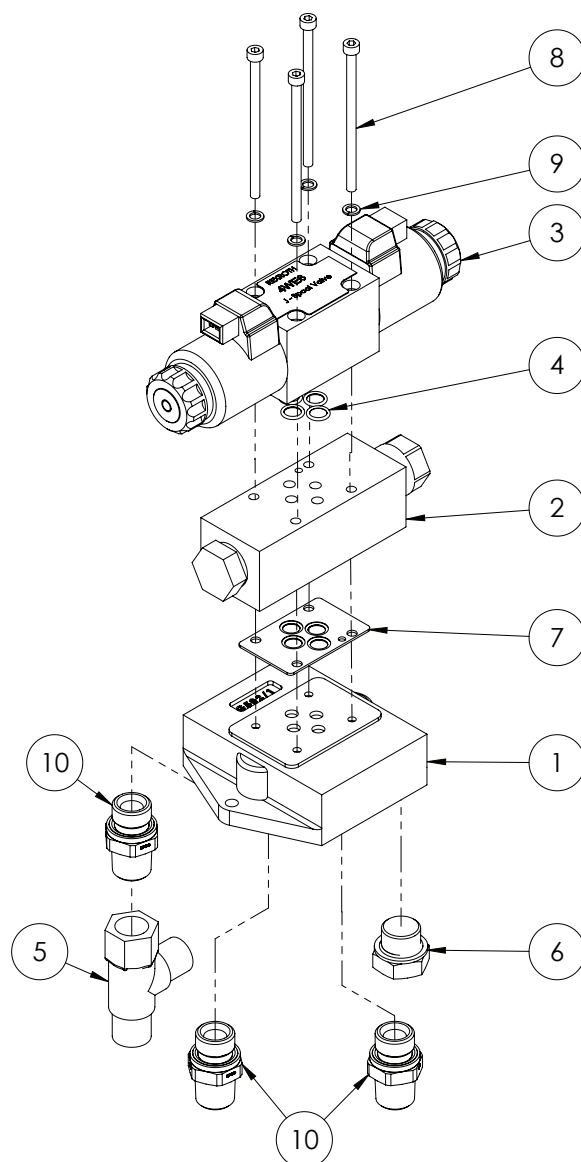
HYDRAULICS

Boom Lift Accumulator Manifold Assembly



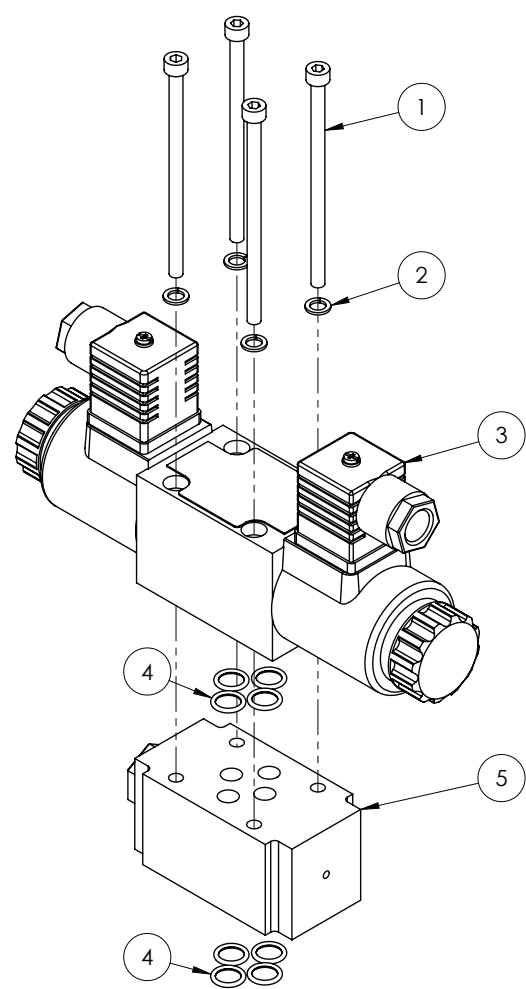
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5007787	Accumulator 1.0L Precharge 70 Bar	2
2	GAS99-603	Hydraulic adaptor, Bulkhead nipple, 1/2" BSP male x 1/2" BSP male	2
3	GA5001045	Washer, 3/4", Flat ZP	4
4	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	2
5	GA3500336	Hydraulic adaptor, Tee, 1/2" BSPP female swivel x 1/2" BSPT male x 1/2" BSPP female swivel	1
6	GA4572110	Hydraulic adaptor, Fitting to suit accumulator, 1/2" BSPT male x 1/2" BSPT female	1

Fill Pump Manifold Assembly



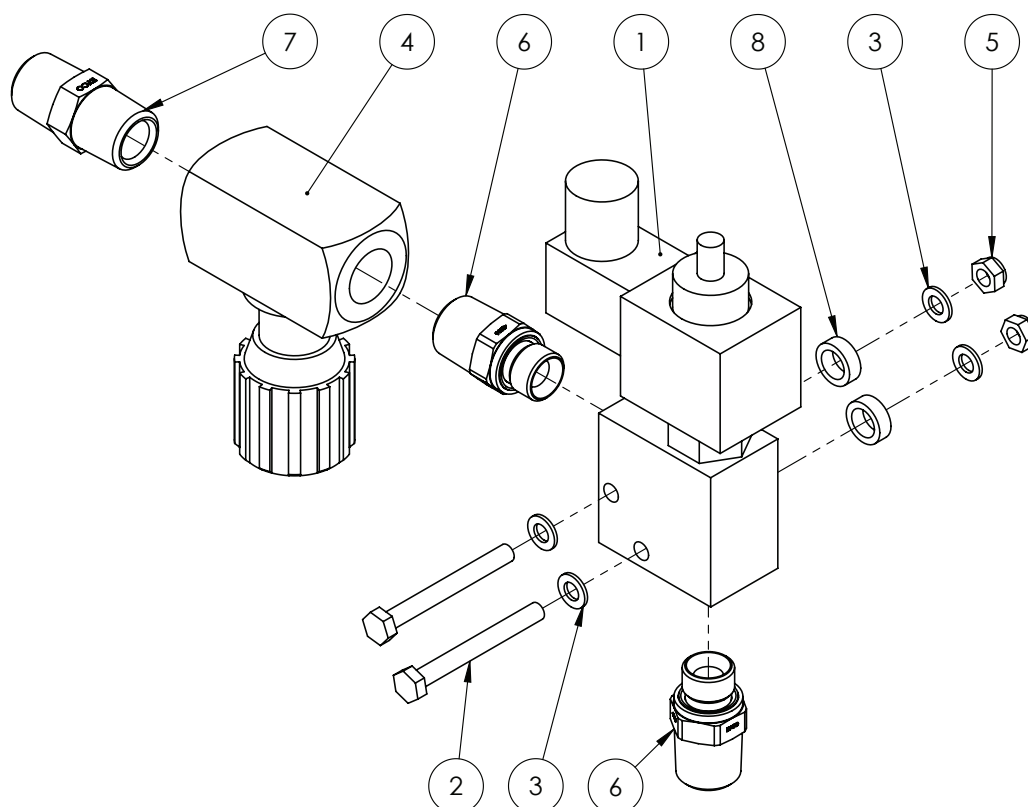
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5016139	Hydraulic manifold, Single valve port, 1/2" inlets / outlets	1
2	GA5047583	Valve, pressure flow comp stackable	1
3	GA5047726	Valve solenoid J spool 12v 2 pin AMP connector	1
	GA5047750	Solenoid coil, 12V DC, Slip on, 2 pin AMP	-
4	GA5047627	Seal kit - viton, Suit CEE Top Valve	1
5	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	1
6	GA3500301	Hydraulic adaptor, Plug, 1/2" BSPP male	1
7	GA5047615	Plate Z2FS6 o-ring	1
8	GA5067050	SHCS M5 x 90 ZP GR12.9	4
9	GA5003629	Washer 5mm Spring SS	4
10	GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	3

Solenoid Valve - Smart Steer



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5047750	Solenoid coil, 12V DC, Slip on, 2 pin AMP	-
1	GA5067050	SHCS M5 x 90 ZP GR12.9	4
2	GA5003629	Washer 5mm Spring SS	4
3	GA5047666	Valve, Solenoid, Proportional, E spool, 12V 3 pin connector, Bosch	1
4	GA5047627	Seal kit - viton, Suit CEE Top Valve	2
5	GA5047661	NG6 Check Module	1

Solenoid Valve - Boom Lower

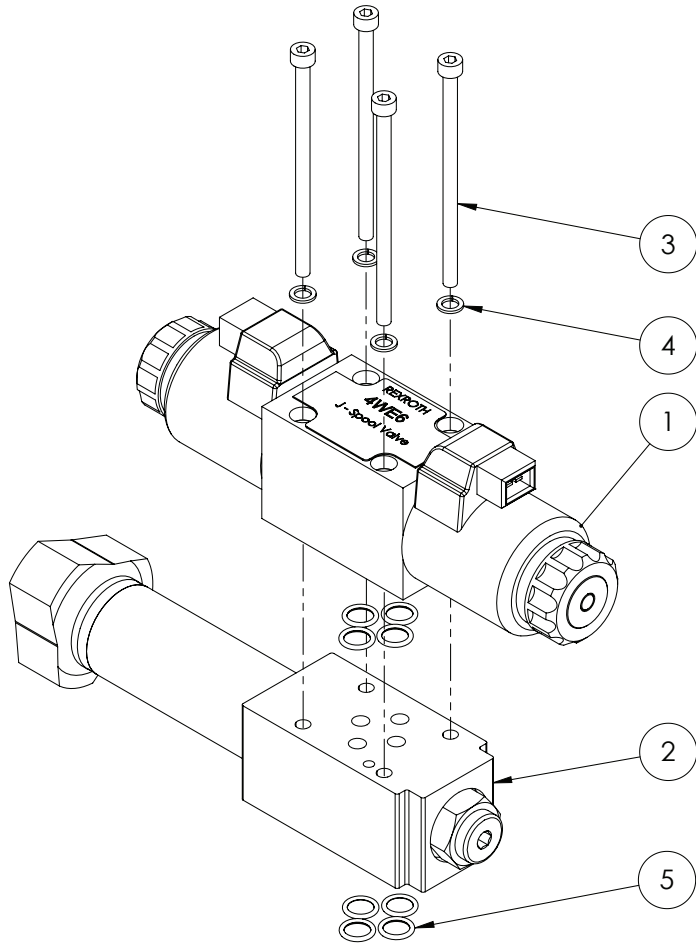


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047344	Hydraulic Solenoid Boom Lower Limit Cartridge and Body	1
2	GA5004093	Bolt M6 x 55 GR8.8 ZP	2
3	GA5004437	Washer 6mm Flat SS	4
4	GA5017393	Flow control valve, with reverse flow check, needle throttle 1/2", type DRV, hydac	1
5	GA5048115	Nut M6 Nyloc ZP	2
6	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	2
7	GA3500223	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPT male	1
8	GA4552080	Crush tube, 10.2 ID x 15 OD x 5 mm long	2

SPARE PARTS

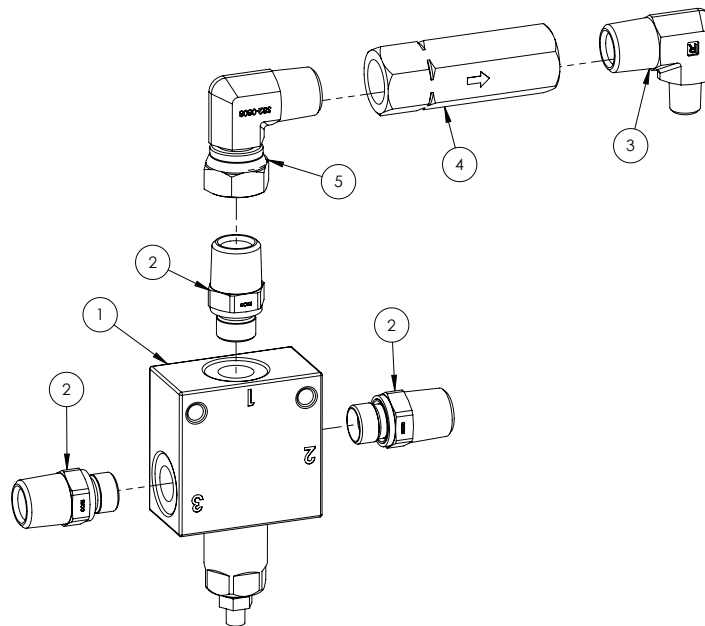
PART NUMBER	DESCRIPTION
GA5047650	Coil DIN class H 12V DC IP65/S8 (suit unloader after 3-3-2008 and boom lower spool)
GA5010039	Din Hirschmann Connector Std Black suit C Top 3
GA5048580	Din Hirschmann Connector K4L12 LED.

Solenoid Valve - Bi-Fold



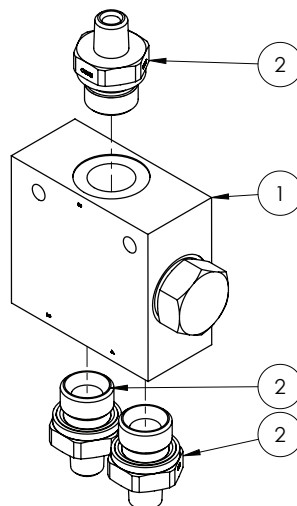
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5047750	Solenoid coil, 12V DC, Slip on, 2 pin AMP	-
1	GA5047726	Valve solenoid J spool 12v 2 pin AMP connector	1
2	GA5017373	Valve reducing modular	1
3	GA5067050	SHCS M5 x 90 ZP GR12.9	4
4	GA5003629	Washer 5mm Spring SS	4
5	GA5047627	Seal kit - viton, Suit CEE Top Valve	1

Pressure Reducing Valve Assembly



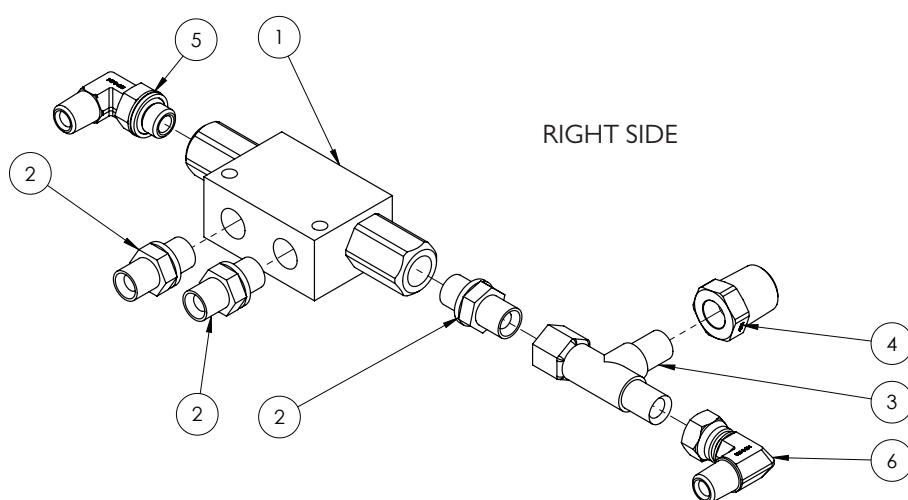
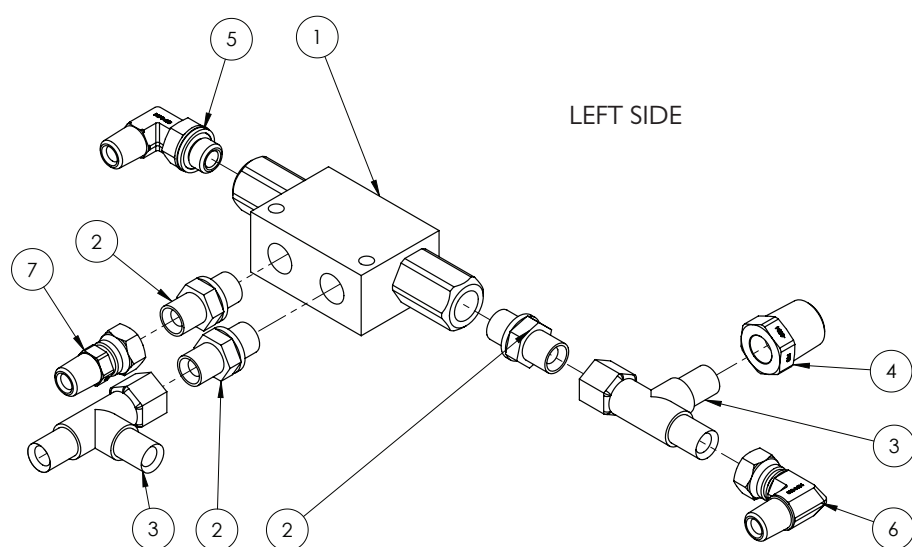
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5047708	Valve, Pressure reducing, Hydraulic, 10 - 140 bar	1
2	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	3
3	GA3500260	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 1/4" BSPT male	1
4	GA5007060	Valve, Check, Hydraulic, 1/2 BSPP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

Flow Divider Assembly



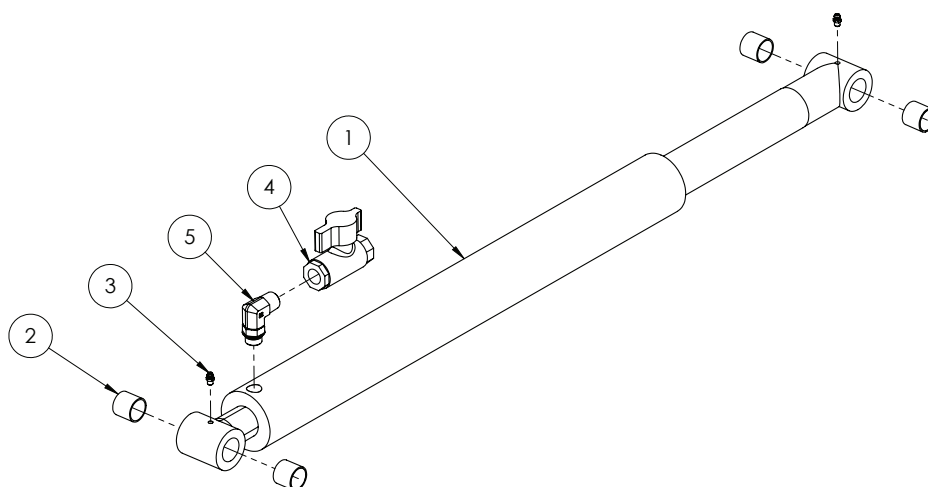
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500106	Hydraulic Valve, Flow Divider, 1 - 3 l/min	1
	GA5078462	Cartridge, Flow Divider, 1 - 3 l/min, Suit GA3500106	1
2	GA3500308	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/2" BSPP male	3

Double Pilot Operated Check Valves - Bi-fold



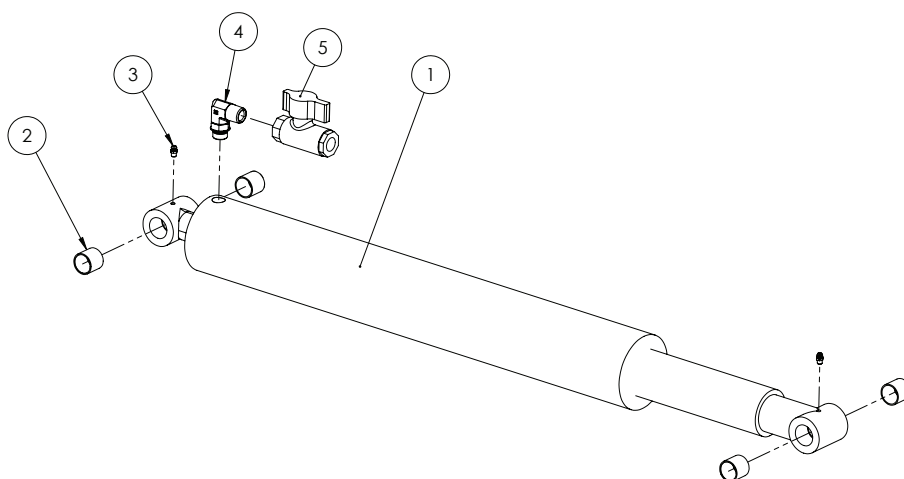
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5007957	Double pilot check (RA) 12LPM 1/4" BSPP	1
2	GA3500306	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPP male	3
3	GA3500199	Hydraulic adaptor, Tee, 1/4" BSPT male x 1/4" BSPT male x 1/4" BSPP female - Left Side	2
		Hydraulic adaptor, Tee, 1/4" BSPT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

Hydraulic Cylinder - Boom Lift - 24-33m



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5052740	Seal kit, 2 1/2" bore x 2" rod	-
-	GA5055510	Kit, Rod Eye, Weld on, Suit lift cylinder 2007 onward	-
1	GA5070082	Hydraulic cylinder - 2 1/2" 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

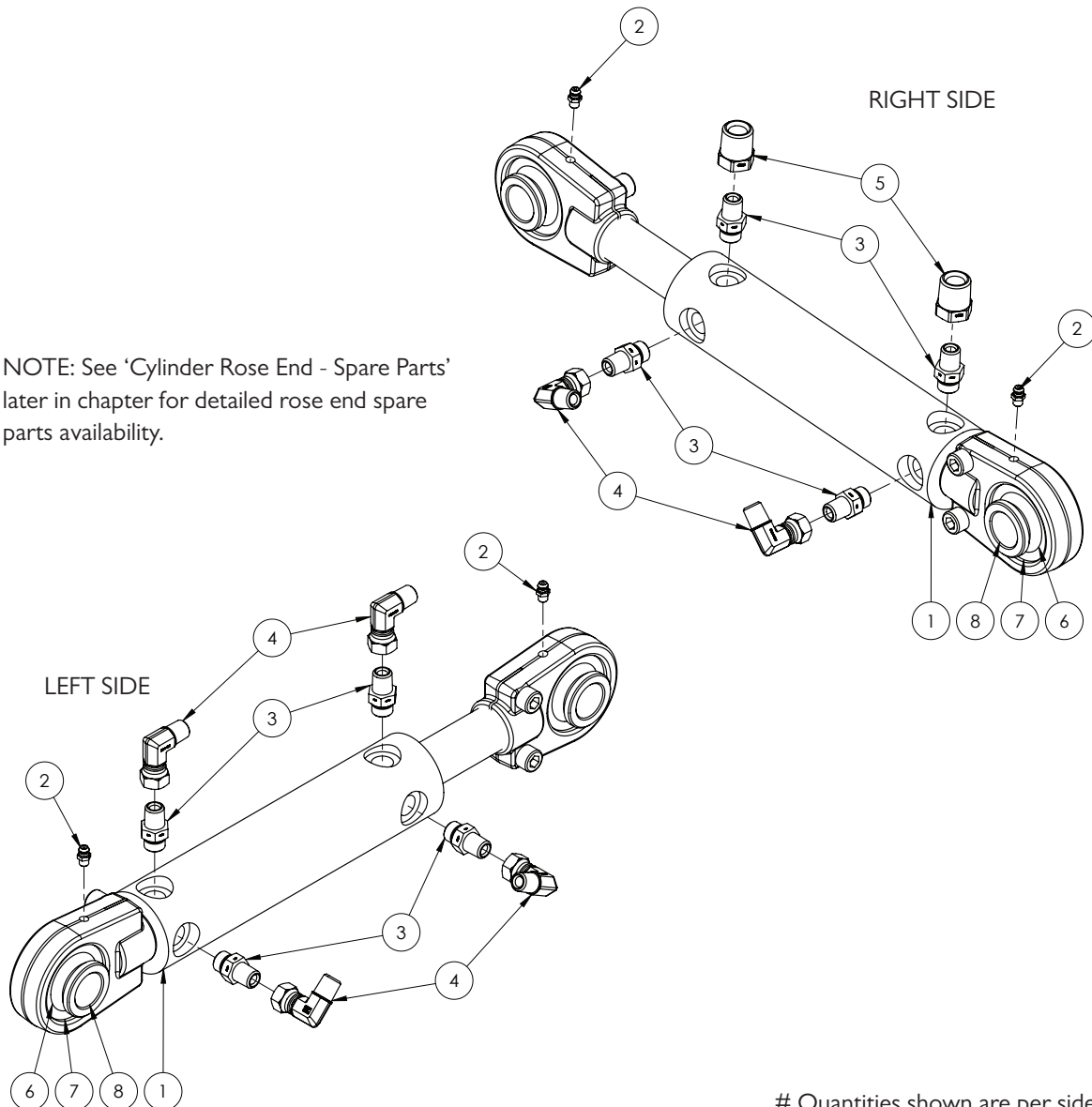
Hydraulic Cylinder - Boom Lift - 36m



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5052731	Seal kit, suit 3" bore x 2 1/2" rod	-
1	GA5070079	Hydraulic cylinder - 3" bore x 2 1/2" rod, 21" Stroke	1
2	GA5065487	Glacier Bush 1" ID x 1" long	4
3	GA5012203	Grease nipple, Short, 1/4" UNF	2
4	GA3500349	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" UN male O-ring	1

Hydraulic Cylinder - Yaw

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

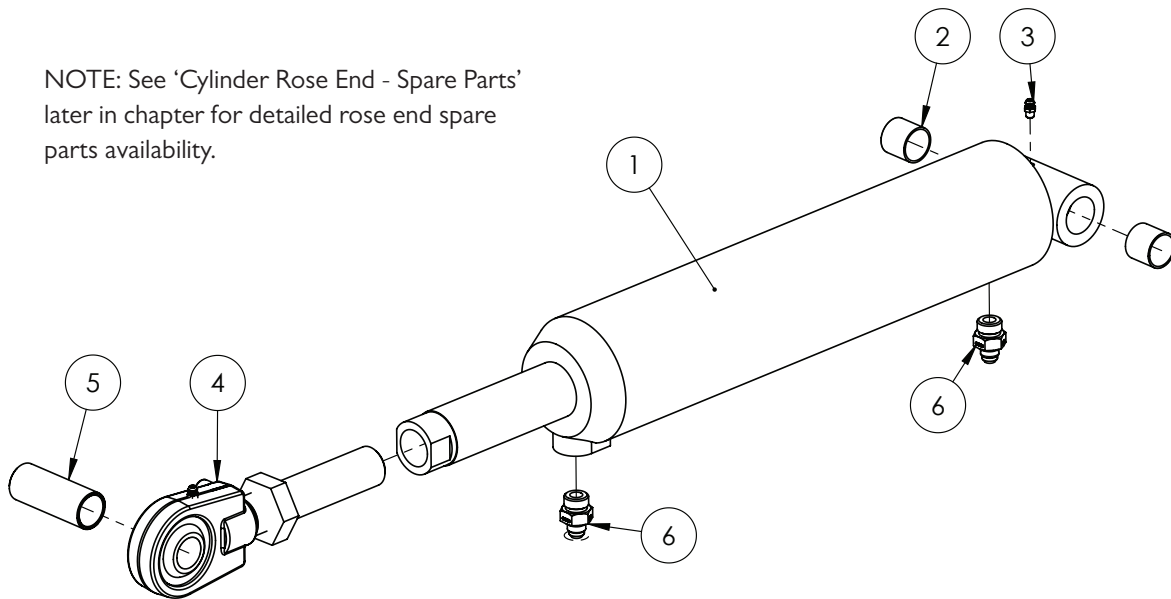


Quantities shown are per side.

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

Hydraulic Cylinder - Boom Tilt

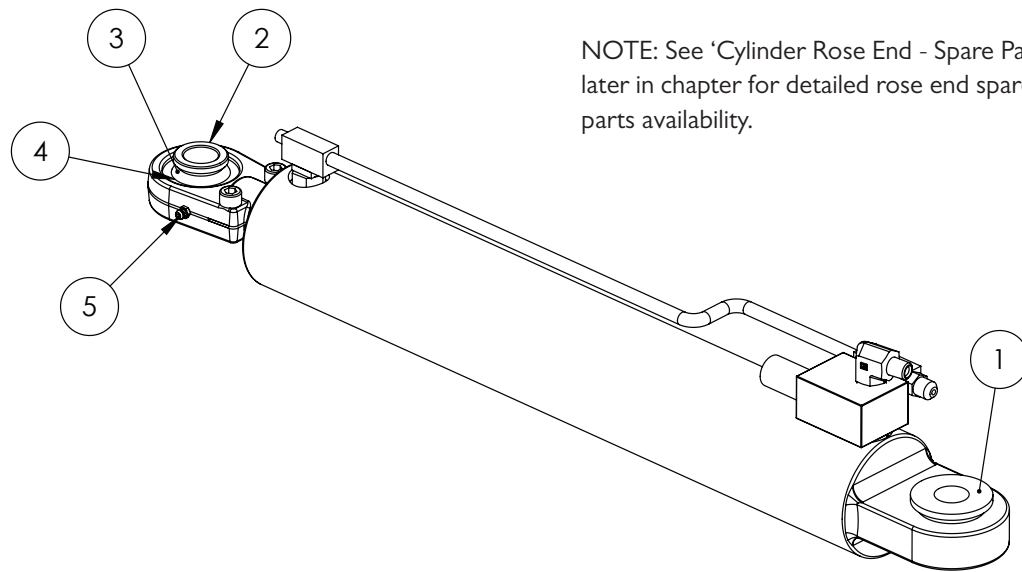
NOTE: See 'Cylinder Rose End - Spare Parts' later in chapter for detailed rose end spare parts availability.



Quantities shown are per side.

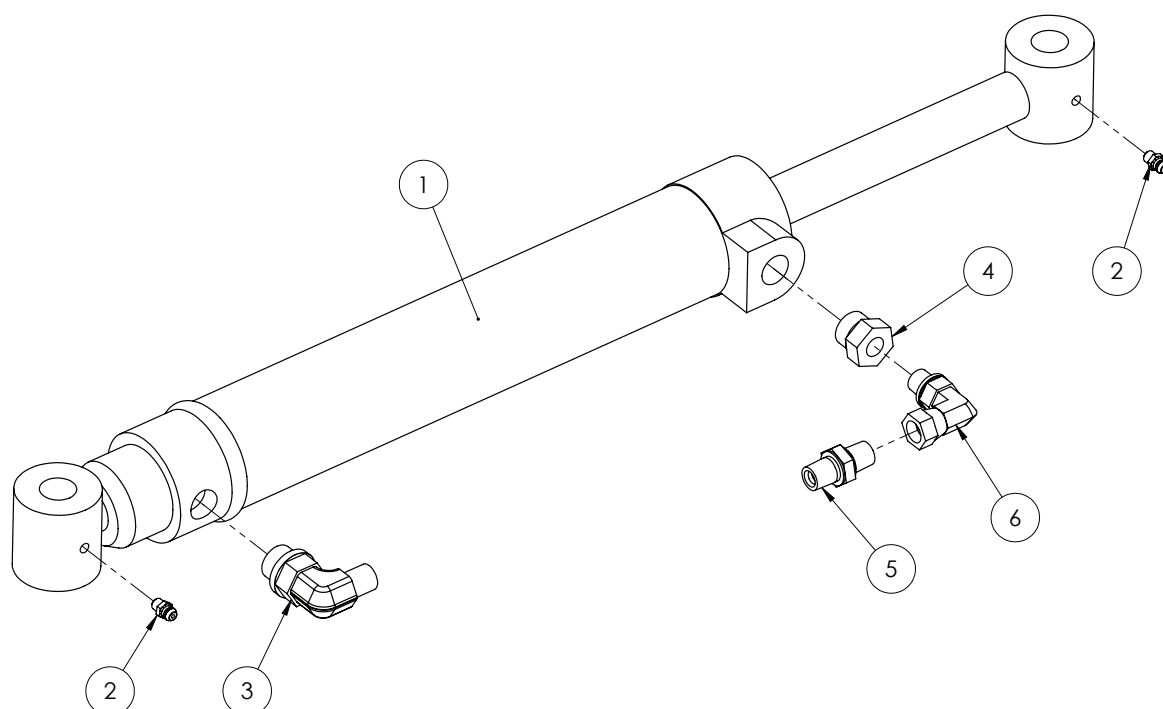
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5052730	Seal kit, suit 3 1/2" bore x 1 3/4" Rod	-
1	GA5065051	Hydraulic cylinder, 3 1/2" bore x 1 3/4" rod x 5" stroke	1
2	GA5065487	Glacier Bush 1" ID x 1" long	2
3	GA5012203	Grease nipple, Short, 1/4" UNF	2
4	GA5052762	Hydraulic tilt cylinder adjusting rod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

Hydraulic Cylinder - Boom Fold



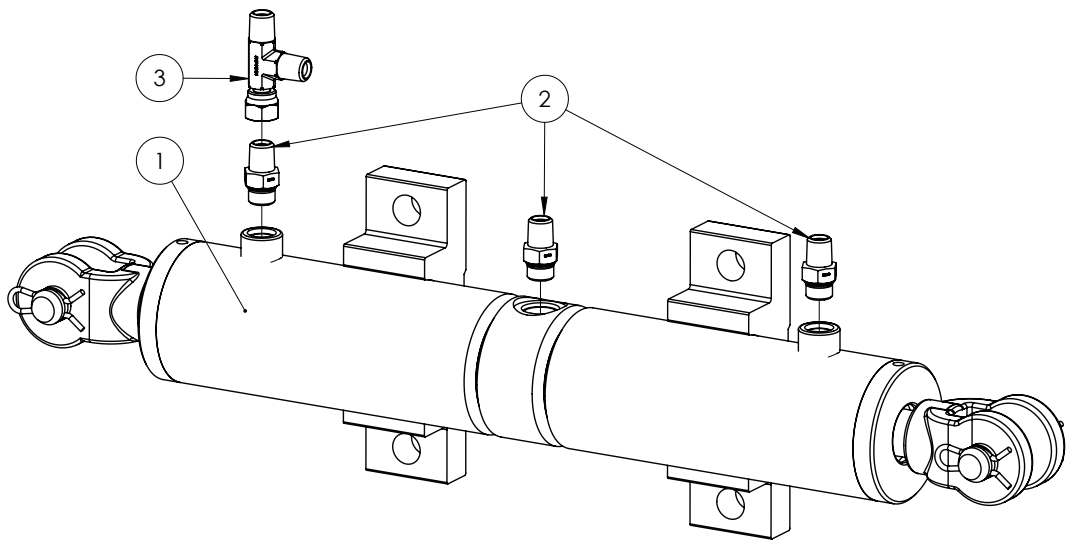
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5018542	Hydraulic Cylinder, External phasing, 3 1/4" bore x 1 1/4" rod x 18" stroke - LH side	-
-	GA5018540	Hydraulic Cylinder, Bore 3", Rod 1.25", Stroke 18", External phasing - RH side	-
-	GA3500098	Rod, suit Hydraulic Fold Cylinder GA5018538, GA5018540, GA5018542	-
-	GA5052680	Seal kit, suit 3" bore x 1 1/4" rod, suit GA5018540, Hypower brand only	-
-	GA5052685	Seal kit, suit 3 1/4 " bore x 1 1/4" rod, suit GA5018542, Hypower Brand only	-
-	GA5071245	Phasing Block Assembly, with pipe, Fold Cylinder, GA5018540 and GA5018542	-
1	GA5021930	Large bearing bush, Suit screw on rose end	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

Hydraulic Cylinder - Bi-Fold



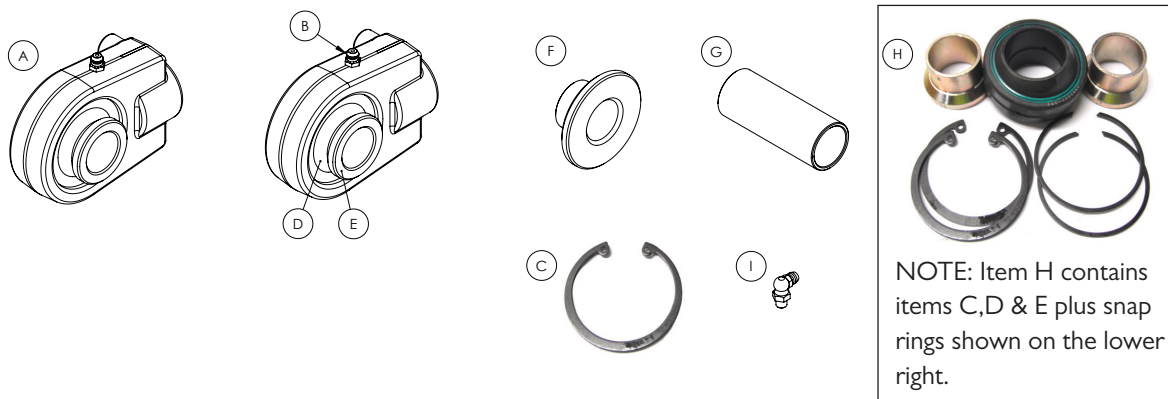
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5021010	Hydraulic cylinder, 2" bore x 1" rod x 10" stroke	1
2	GA5012203	Grease nipple, Short, 1/4" UNF	2
3	GA3500348	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 3/4" UN male O-ring	1
4	GA3500340	Hydraulic adaptor, Reducing bush, 1/4" BSPT female x 3/4" UN male O-ring	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	-

Hydraulic Cylinder - Centre Leveling



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

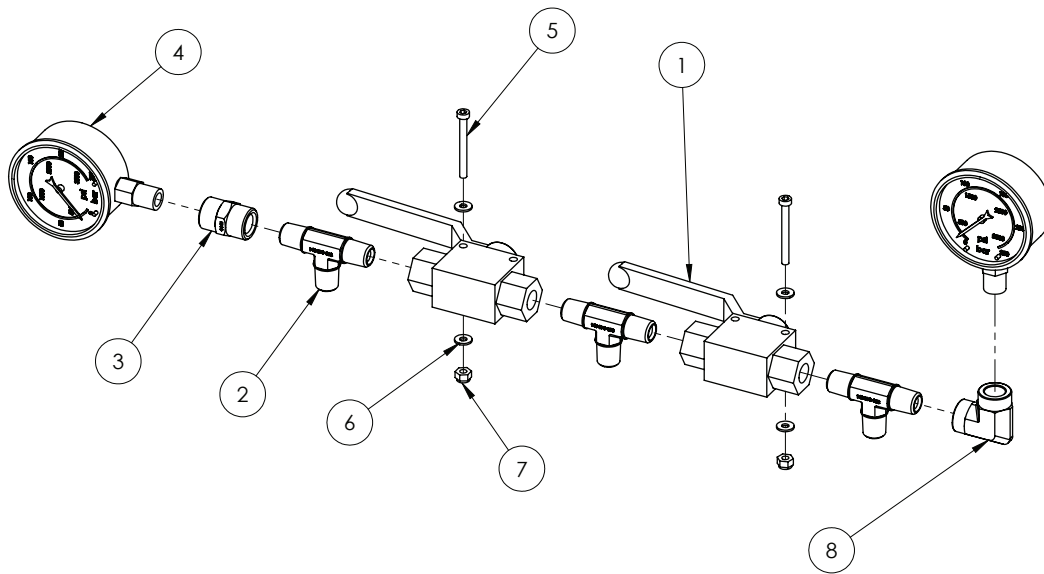
Cylinder Rose End - Spare Parts



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

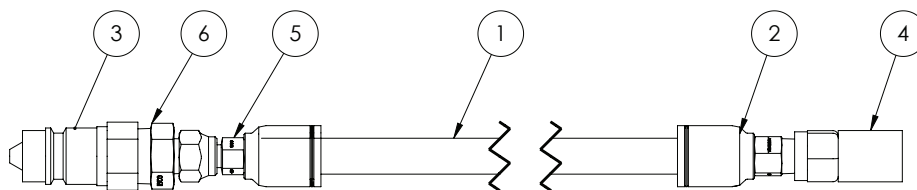
NOTE: Quantities shown represent the number of parts needed per rose end and depend on your configuration e.g. the rose end will have either 2x Item E or 2x Item F but not both.

Yaw Control Valve Assembly



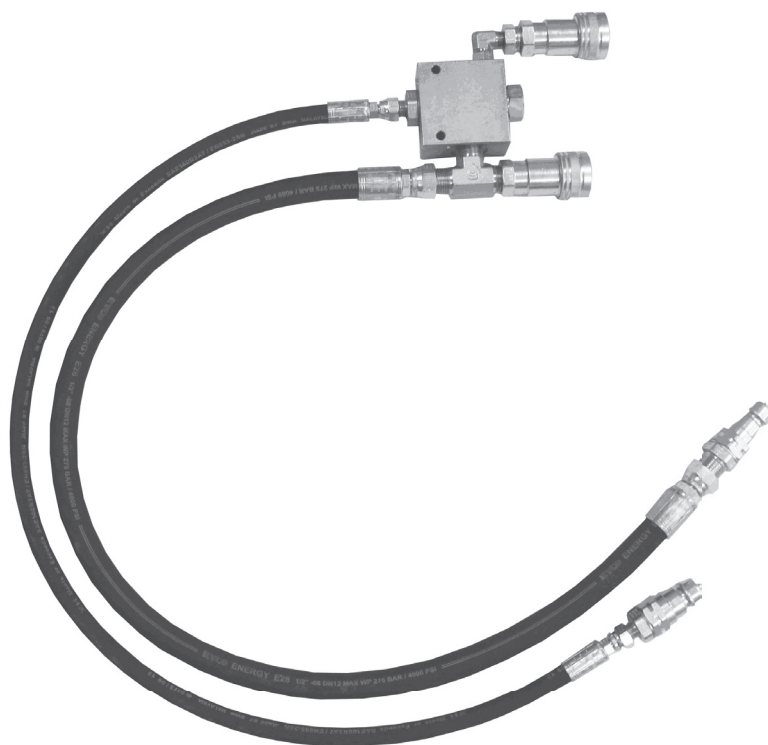
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078083	Valve, Ball, Hydraulic, 1/4" BSPP female ports	2
2	GA3500269	Hydraulic adaptor, Tee, 1/4" BSP male x 1/4" BSP male x 1/4" BSP male	3
3	GA3500269	Hydraulic adaptor, Tee, 1/4" BSP male x 1/4" BSP male x 1/4" BSP male	1
4	GA5078076	Gauge, Pressure, 250 bar, 3500psi	2
5	GA5049800	SHCS M4 x 40	2
6	GA5020510	Washer 4mm Flat HD SS	4
7	GA5049025	Nut M4 Nyloc SS	2
8	GA3500239	Elbow, 90, Hydraulic, 1/4" BSPT Female x 1/4" BSPT Female	1

Yaw Charge Line



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

Load Sense Turbo Valve



GA4902590 Complete Assembly

PART NUMBER	DESCRIPTION	QTY.
GA5047677	Load sense turbo valve	1
GA5078000	Quick connect fitting, 1/2" male tip x 1/2" female thread	2
GA5078001	Quick release coupling, Ball check valve, Push/pull, Female body, 1/2" BSPP female	2
GA3500308	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/2" BSPP male	2
GA3500270	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPT male	1
GA3500399	Hydraulic crimp coupling, Straight, 1/2" hose x 1/2" BSPP female swivel	2
GA3500397	Hydraulic crimp coupling, Straight, 1/4" hose x 1/4" BSPP female swivel	2
GA3500310	Hydraulic adaptor, Nipple, 1/2" BSPT male x 1/2" BSPP male	1
GA3500320	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP male O-ring	1
GA3500203	Hydraulic adaptor, Reducing bush, 1/2" BSPT male x 1/4" BSPT female	1
GA3500182	Hose, Hydraulic, 1/2"	1
GA5049695	Hose, Hydraulic, 1/4", 2 wire, Black	1

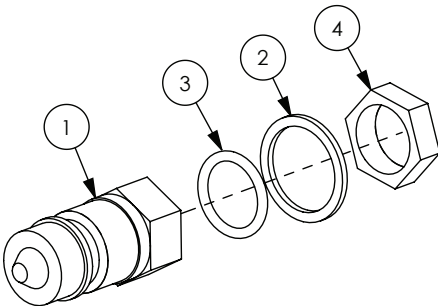
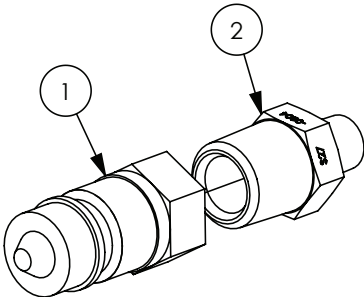
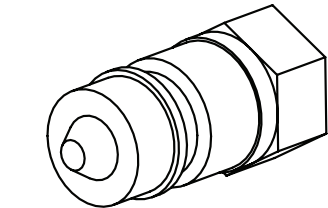
Quick Release Couplings

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

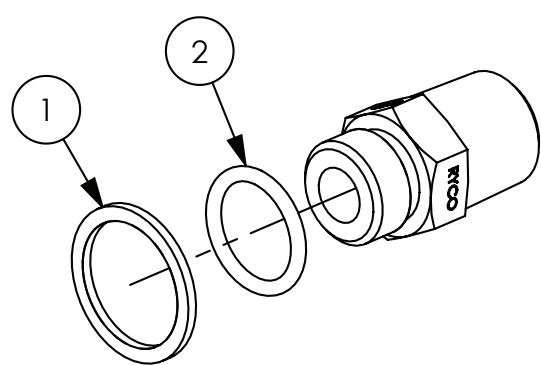
1/4" HYDRAULIC LINES		
ITEM	PART NO	DESCRIPTION
1	GA5078000	Quick connect fitting, 1/2" male tip x 1/2" female thread
2	GA3500221	Hydraulic adaptor, Nipple, 1/2" BSP x 1/4" BSP

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: GA5052365.

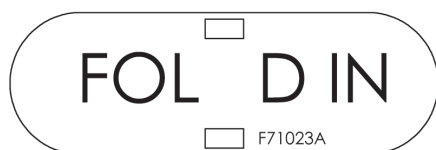


Hydraulic O-rings & Retaining Washers



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"
	GA5078119	O-Ring BSPP 1/4"
2	GA5078120	O-Ring 3/8" BSPP
	GA5078121	O-Ring BSPP 1/2"
	GA5078122	O-Ring BSPP 3/4"

Hydraulic Hose ID Tags



PART NUMBER	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

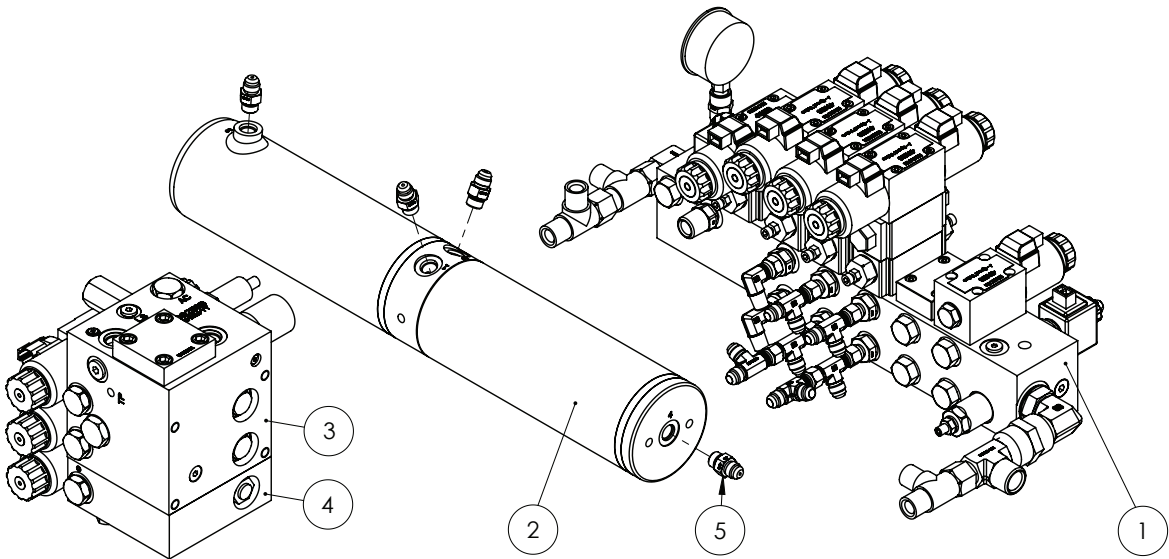
Hydraulic Hoses

PART NUMBER	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

Raw Hide & Spiral Guard

RAWHIDE	
PART NUMBER	DESCRIPTION
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
SPIRAL GUARD	
PART NUMBER	DESCRIPTION
GA5015669	Spiral guard, Black

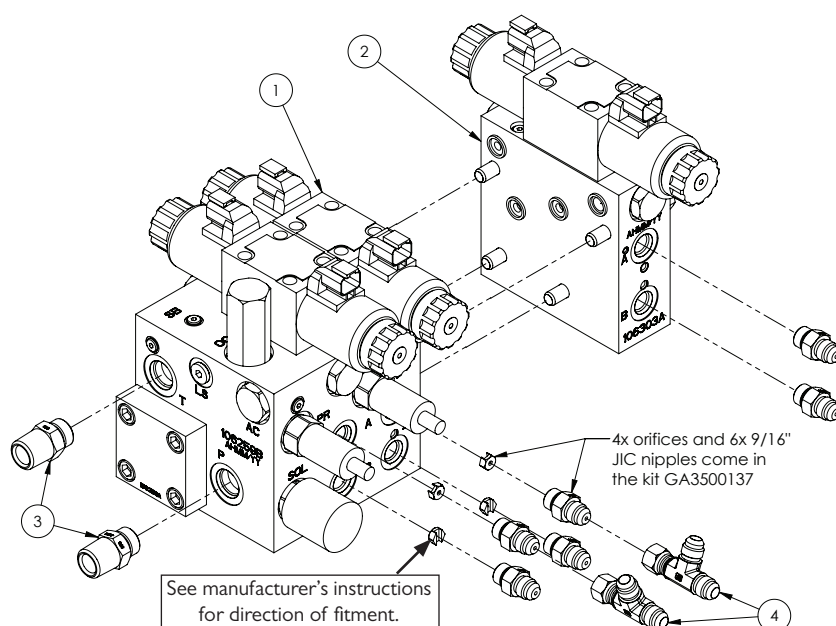
NORAC Assembly



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

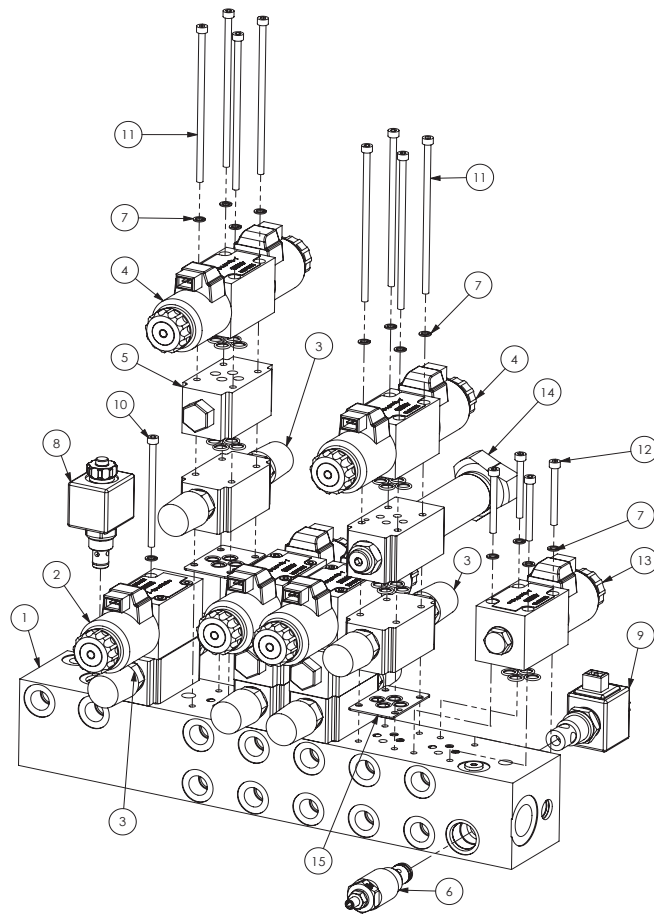
* Sub-assembly on following pages

NORAC Valve Block



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

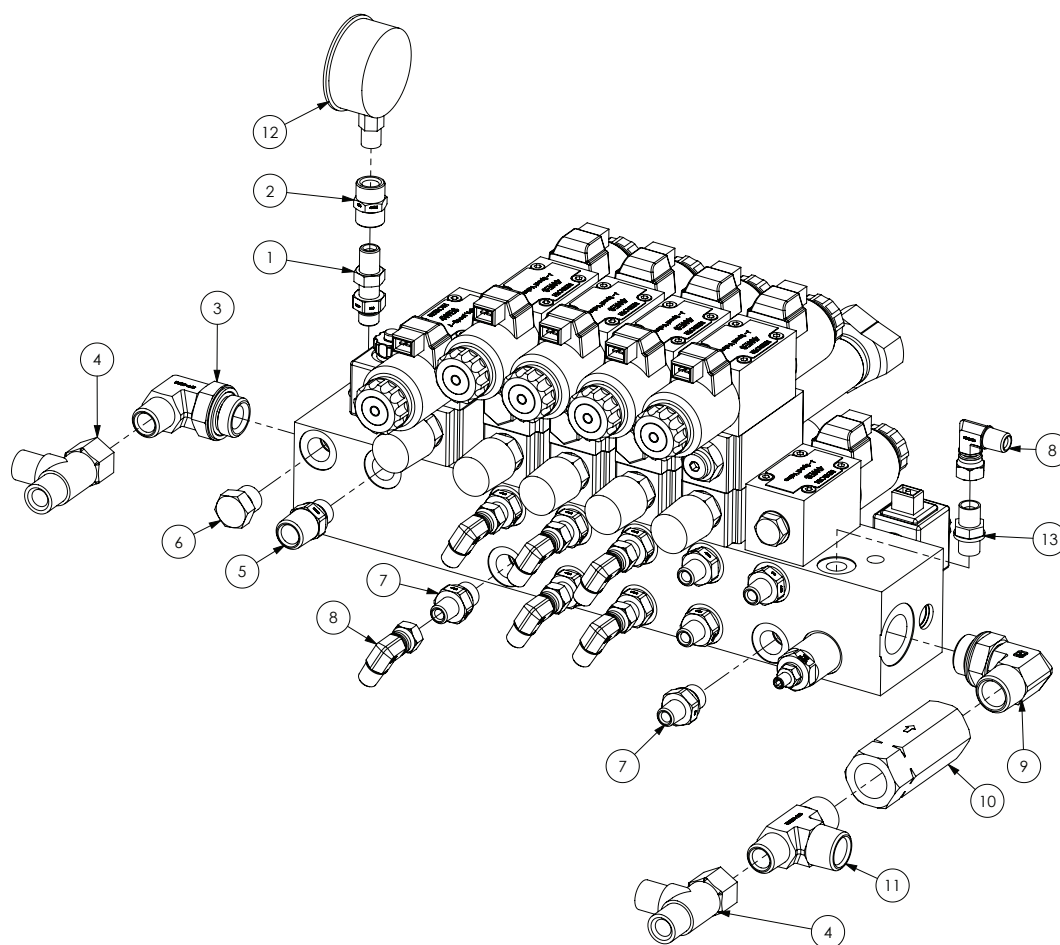
Spool Valve Manifold Assembly



NOTE: Item 6 only used on open centre version of manifold.

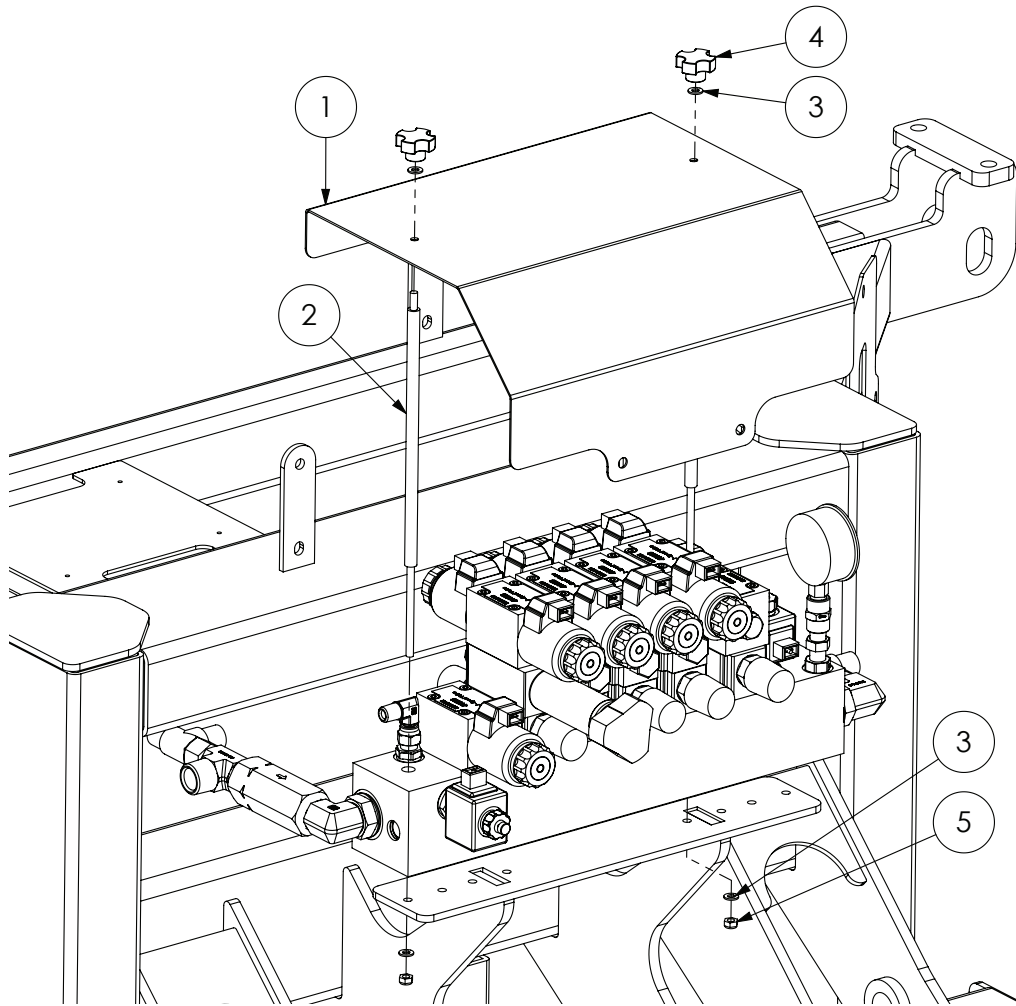
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5047750	Solenoid coil, 12V DC, Slip on, 2 pin AMP	-
1	GA5047759	Manifold, size 6 par, special bare	1
2	GA5047727	Valve Hydraulic, J spool, 12V, Single, 2 pin amp connector, Bosch	1
3	GA5047581	Hydraulic Valve, Flow control, NG6 A+B, Suit spool	5
4	GA5047726	Valve solenoid J spool 12v 2 pin amp connector, Bosch	4
5	GA5017335	Modular check valve	3
6	GA5047645	Cartridge Valve, Hydraulic Pressure Relief, Pilot Operated - OC Only	1
7	GA5003629	Washer 5mm Spring SS	24
8	GA5047734	Valve cartridge, Hydraulic solenoid, poppet 2/2-8-2 cav 12vdc 2 pin amp, Bosch	1
	GA5047737	Valve cartridge, Hydraulic solenoid, AMP plug, 12V DC, Open centre	1
9	GA5047738	Valve Cartridge, Hydraulic, Poppet, Solenoid, AMP Plug, 12V DC, Normally Closed (Used for Closed Centre System)	1
10	GA5067050	SHCS M5 x 90 ZP GR12.9	4
11	GA5048570	SHCS M5 x 130 ZP GR12.9	16
12	GA5054410	SHCS M5 x 50 ZP GR12.9	4
13	GA5047756	Valve, D spool hydraulic solenoid, centre level, 2 pin AMP, Bosch	1
14	GA5017373	Valve reducing modular	1
15	GA5047615	Plate Z2FS6 O-rings (spare part)	-

Spool Valve Manifold Fittings



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA3500249	Hydraulic adaptor, Bulkhead nipple, 1/4" BSPP male x 1/4" BSPP male	1
2	GA3500211	Hydraulic adaptor, Socket, 1/4" BSPT female x 1/4" BSPT female	1
3	GA3500324	Hydraulic adaptor, Elbow, 90 degree, 1/2" BSPT male x 3/4" BSPP male O-ring	1
4	GA3500200	Hydraulic adaptor, Tee, 1/2" BSPT male x 1/2" BSPT male x 1/2" BSPP female swivel	2
5	GA3500309	Hydraulic adaptor, Nipple, 1/2" BSPT male x 3/8" BSPP male	1
6	GA3500300	Hydraulic adaptor, Plug, 3/8" BSPP male	1
7	GA3500307	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/8" BSPP male	10
8	GA3500332	Hydraulic adaptor, Elbow, 90 degree, 1/4" BSPT male x 1/4" BSPP female swivel	7
9	GA3500325	Hydraulic adaptor, Elbow, 90 degree, 3/4" BSPT male x 3/4" BSPP male O-ring	1
10	GA5002421	Check Valve, Hydraulic, 0 bar, 3/4" BSPP	1
11	GA3500272	Hydraulic adaptor, Tee, 3/4" BSPT male x 1/2" BSPT male x 3/4" BSPT male	1
12	GA5021455	Gauge, Pressure, 25000kPa, 3500psi	1
13	GA3500306	Hydraulic adaptor, Nipple, 1/4" BSPT male x 1/4" BSPP male	1

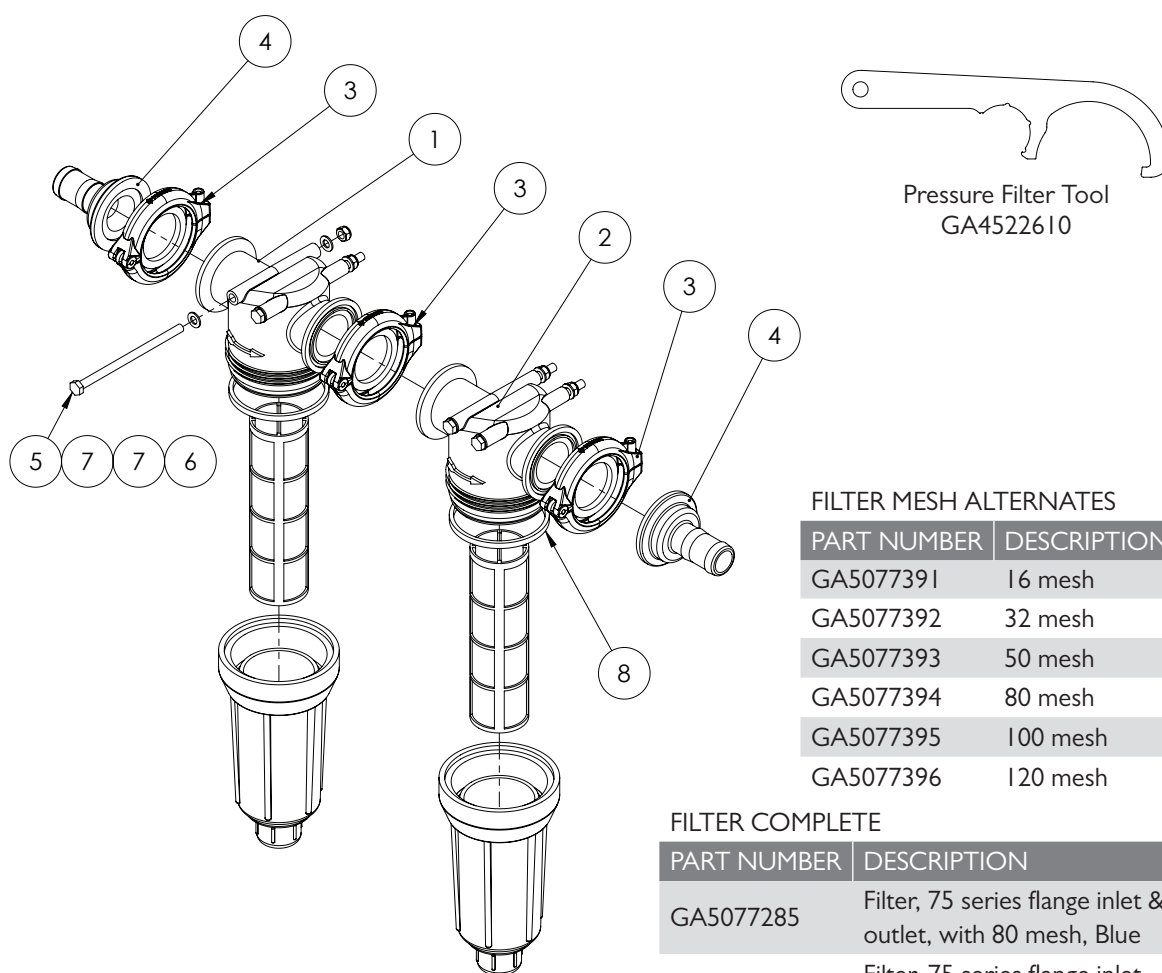
Spool Valve Mounting Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	COMP0013	Spool valve cover, suit advance	1
2	MACH0035	Mounting Bolt, Suit Solenoid cover	2
3	GA5004437	Washer 6mm Flat SS	4
4	GA5069870	Knob, Star grip M6 x 32 Diameter	2
5	GA5048115	Nut M6 Nyloc ZP	2

PLUMBING

Filter - Dual Pressure Assembly



FILTER MESH ALTERNATES

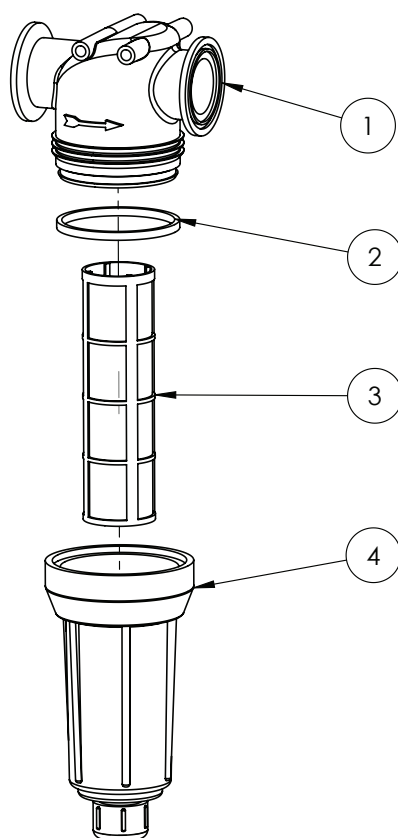
PART NUMBER	DESCRIPTION
GA5077391	16 mesh
GA5077392	32 mesh
GA5077393	50 mesh
GA5077394	80 mesh
GA5077395	100 mesh
GA5077396	120 mesh

FILTER COMPLETE

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

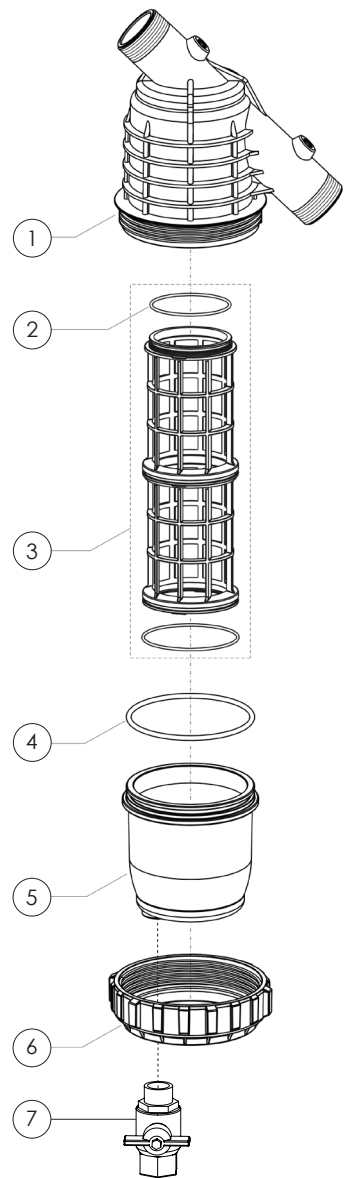
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077285	Filter, 75 series flange inlet & outlet, 80 mesh	1
	GA5077394	Filter screen, 80 mesh, SS & polypropylene	
2	GA5077284	Filter, 75 series flange inlet & outlet, 100 mesh	1
	GA5077395	Filter screen, 100 mesh, SS & polypropylene	
3	GA2000114	Flange Clamp, and Gasket, 1.5", series 200, Hypro	3
4	GA5077830	Hose barb, Flanged, Straight, 2" flange x 1 1/4" barb, Banjo	2
5	GA5011503	Bolt M8 x 140 ZP GR8.8	4
6	GA5004917	Nut M8 Nyloc ZP	4
7	GA5003643	Washer 8mm Flat SS Heavy Duty	8
8	GA5077541	Seal, 98 OD x 91 ID x 7mm thick	2

Filter - Pressure - Body Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077285	Filter, 75 series flange inlet & outlet, 80 mesh	1
	GA5077284	Filter, 75 series flange inlet & outlet, 100 mesh	1
2	GA5077541	Seal, 98 OD x 91 ID x 7mm thick, EPDM type - Alternate	2
	GA5077542	Seal, 98 OD x 91 ID x 7mm thick, VITON type - Alternate	
3	GA5077394	Filter screen, 80 mesh, SS & polypropylene	1
	GA5077395	Filter screen, 100 mesh, SS & polypropylene	1
	GA5077539	Filter bowl	2
4	GA5077540	Filter bowl cap, AA126, Polypropylene	2
	GA5077564	Seal, suit GA5077540, EPDM type - Alternate	2
	GA5077565	Seal, suit GA5077540, VITON type - Alternate	

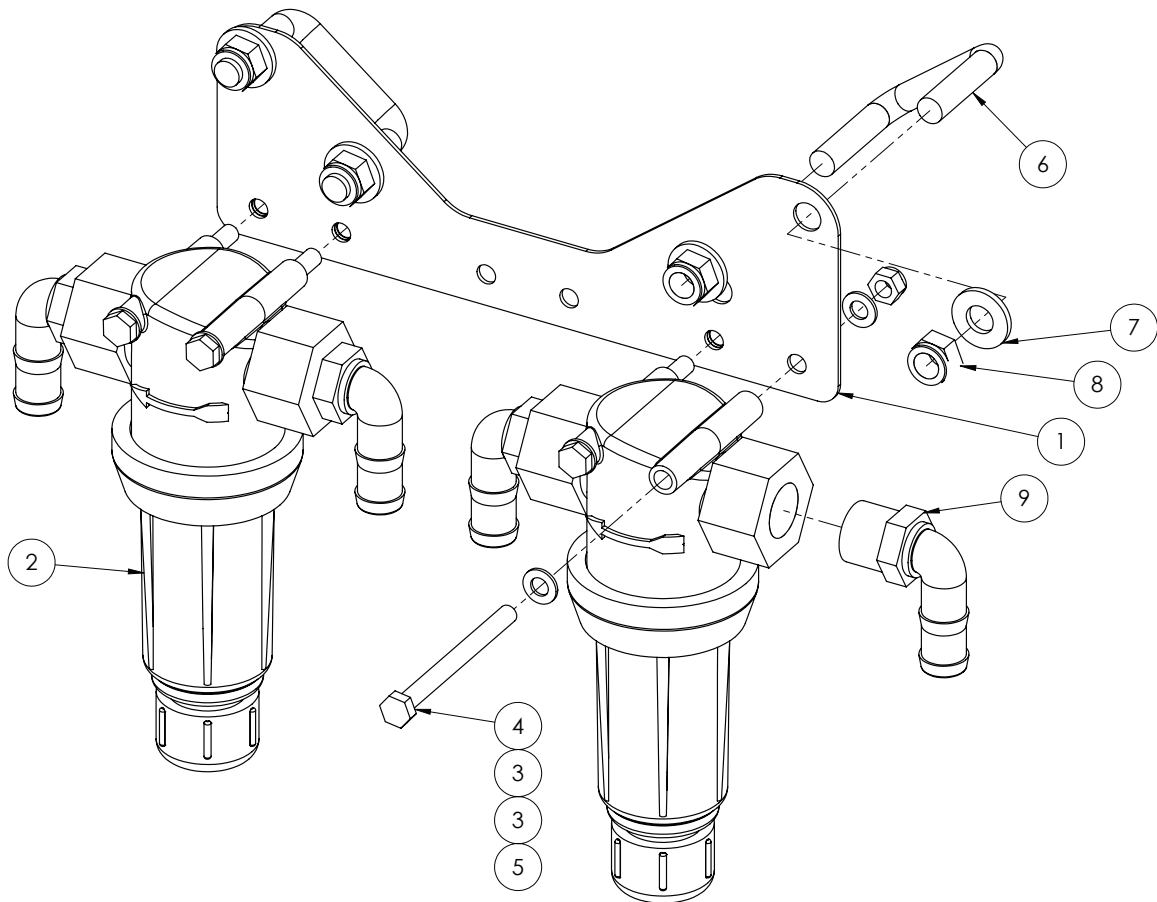
Filter - 2" Fill



Above: Filter spanner GA4525005 suits the fill filter.

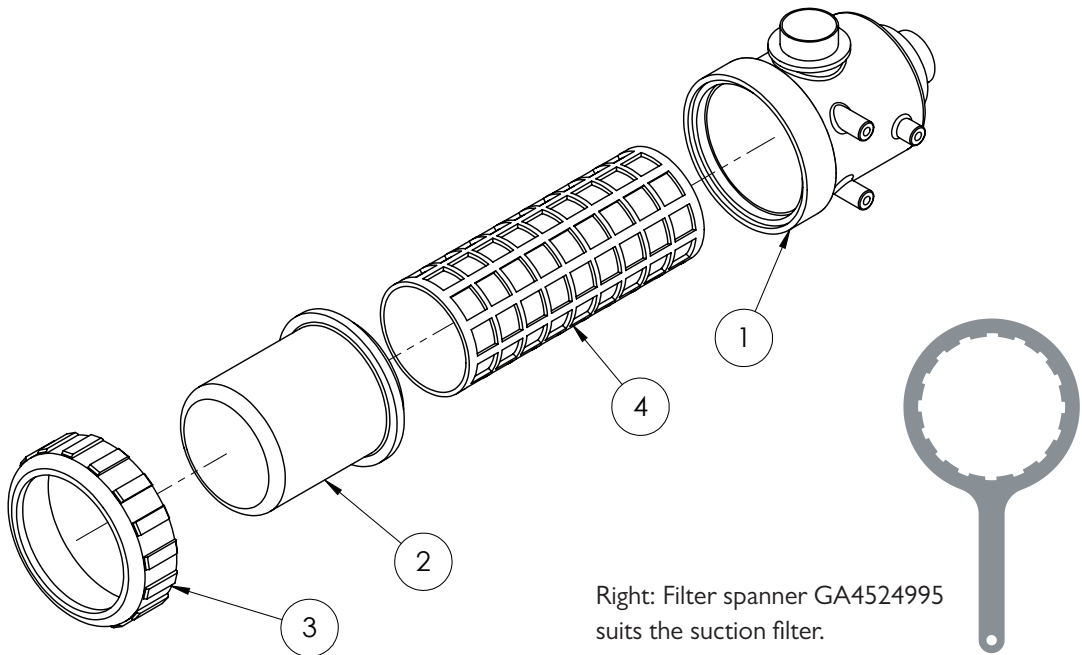
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA4525005	Spanner, Zinc coated, 2" Fill Filter, suit GA2000126	-
-	GA2000126	Filter, Line, 2" Inlet and Outlet, 32 Mesh, open drain port, Arag	-
1	GA5073655	Line Filter Body 2", Arag	1
2	GA5077684	O ring, 2.62 x 94.92 mm, EPDM, GI I046	2
3	GA5076797	Filter screen, 32 mesh, SS & polypropylene, Arag	1
4	GA5073660	O-ring 5.34 X 133.40 mm, 210 NBR Arag	1
5	GA5073665	Line filter bowl 2", Arag	1
6	GA5073670	Filter clamping lock ring 2", Arag	1
7	GA5018315	Valve, Ball, 20mm, 3/4" male, female, Black Butterfly handle, Brass	1

Filter - In Line Boom



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	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	GA5000577	Washer 12mm Flat SS HD	4
8	GA5012461	Nut M12 Nyloc ZP	4
9	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose, Banjo	4

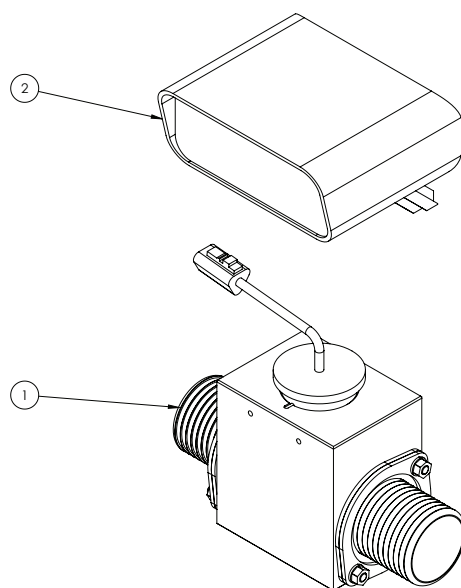
Filter - 2" Suction



Right: Filter spanner GA4524995 suits the suction filter.

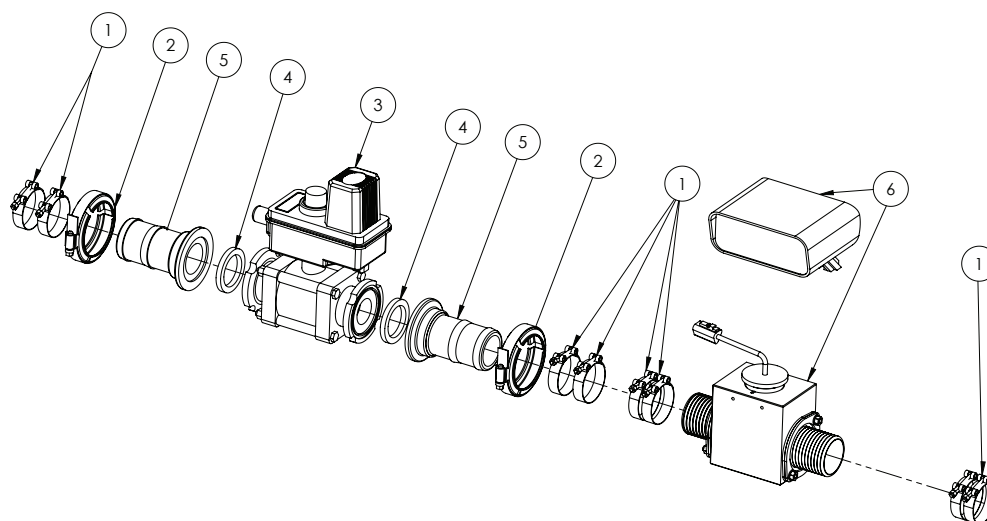
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5076799	Suction filter, 317, 2" BSP male inlet / outlet, 32 mesh - Complete	-
1	GA5076773	Filter Body, 317, "2", Inlet Outlet thread	1
	GA5076793	317 Suction Filter Bowl	1
2	GA5076769	O Ring 126.4 x 7 mm, suit 317 filter bowl, BS429 - Alternate	1
	GA5076770	O Ring 126.4 x 7 mm, suit 317 filter bowl, Viton - Alternate	1
3	GA5076768	Nut, Plastic, Suit 317 suction filter, 8 Threads	1
	GA5076797	32 Mesh Screen - Red - Standard fitment	
4	GA5076795	50 Mesh Screen - Blue - Alternate	1
	GA5076798	80 mesh Screen - Yellow - Alternate	
	GA5077634	O ring, 2.62 x 94.92 mm, EPDM, GI 1046, suits filter screen	2

Fill Flow Meter - Teejet



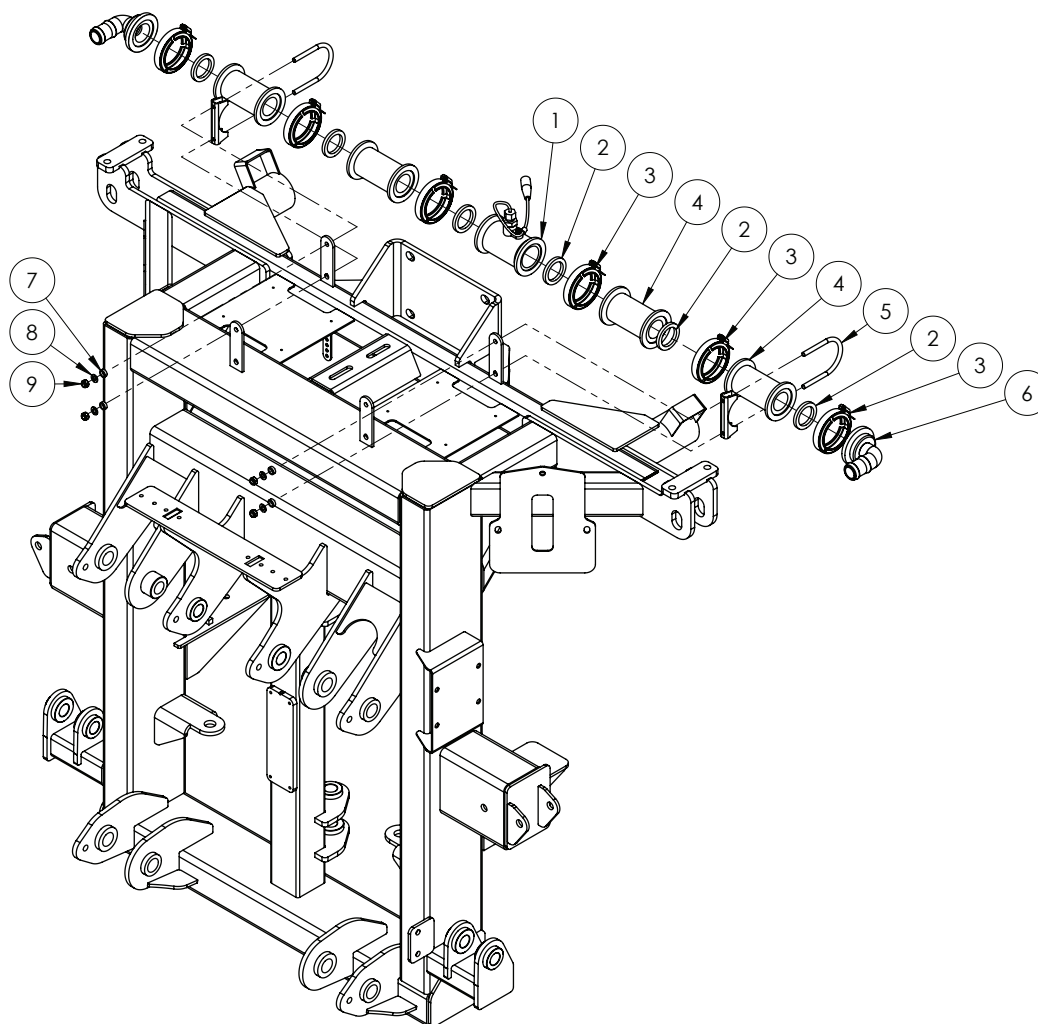
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077191	Kit, Flowmeter 40D2 Hose Barbs	1
2	75-30018	Console, Fill flow, Metric	1

Fill Flow Meter - Teejet & Shut Off Valve



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

Flow Meter - Raven Controller - Metal Clamps

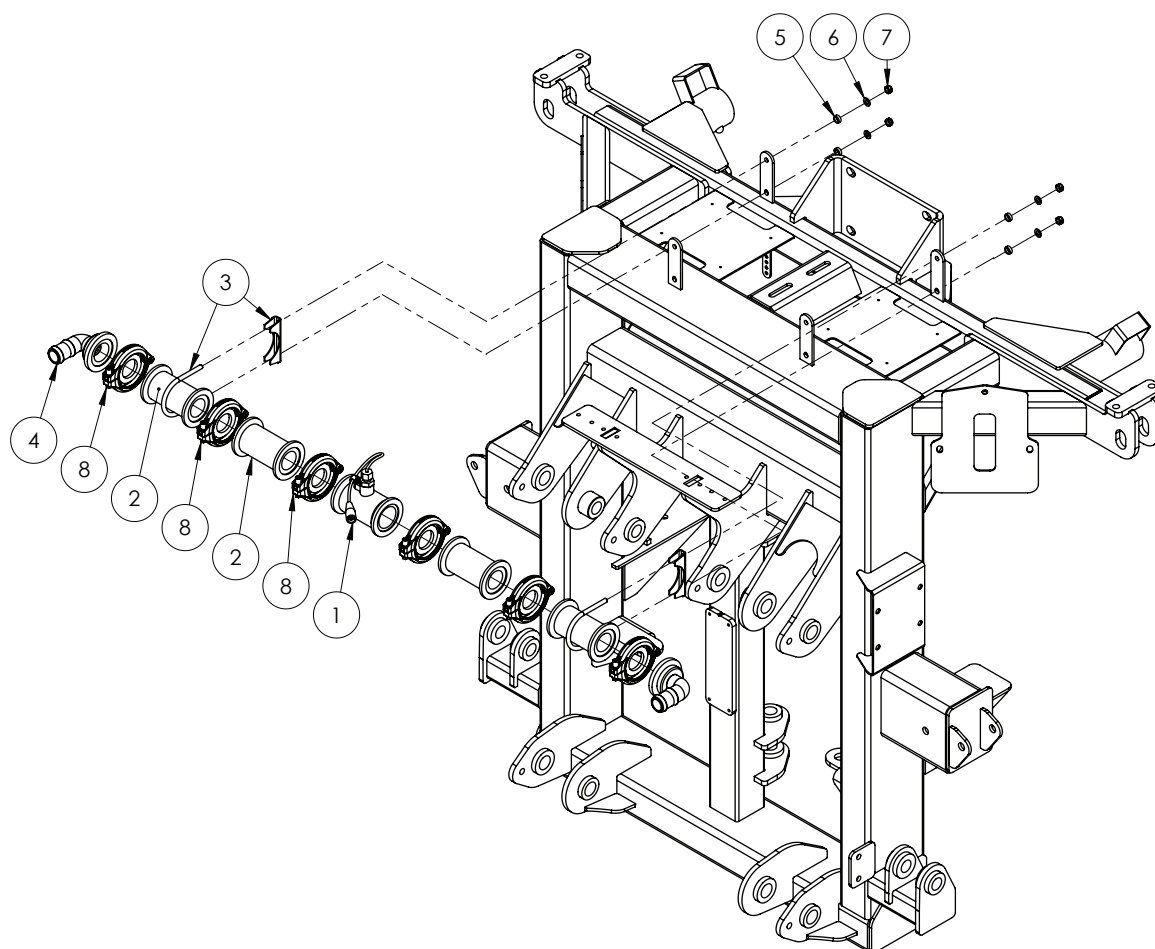


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075890*	Flowmeter, RFM60P High Pulse, Raven	1
2	GA5009335	Seal, 41.5 ID x 55 OD x 6.5 mm thick, EPDM, suit 1 1/2" flange	6
3	FC200	Clamp, Worm screw, Use with 2 standard flange port	6
4	GA5077840	Plumbing coupling, Straight, 2" flange x 2" flange x 4 1/2" long	4
5	GA5006689	Clamp, Exhaust, 2 5/8"	2
6	GA5077831	Hose barb, Elbow, 90 degree, 2" flange x 1 1/4" hose	2
7	GA4552080	Crush tube, 10.2 ID x 15 OD x 5 mm long	4
8	GA5003643	Washer 8mm Flat SS HD	4
9	GA5052590	Nut M8 Nyloc SS	4

* Sub-assembly on following pages

NOTE: The flow meter may be fitted with either flange clamps or metal worm screw clamps. The flange clamps come with a built in seal/gasket. See next section for other version.

Flow Meter - Raven Controller - Flange Clamps

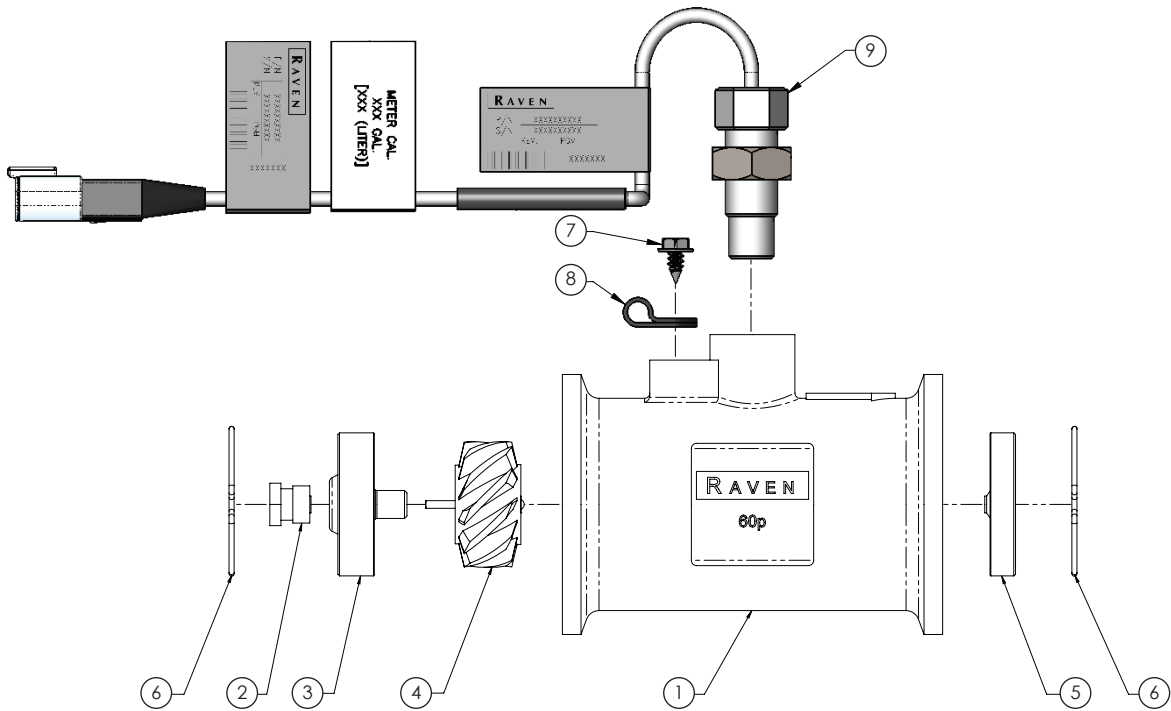


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075890*	Flowmeter, RFM60P High Pulse, Raven	1
2	GA5077840	Plumbing coupling, Straight, 2" flange x " flange x 4 1/2" long, Banjo	4
3	GA5006689	Exhaust clamp - 66mm C12	2
4	GA5077831	Hose barb, Elbow, 90 degree, 2" flange x 1 1/4" hose, Banjo	2
5	GA4552080	Crush tube, 10.2 ID x 15 OD x 5 mm	4
6	GA5003643	Washer 8mm Flat SS HD	4
7	GA5052590	Nut M8 Nyloc SS	4
8	GA2000114	Flange Clamp, and Gasket, 1.5", series 200, Hypro	6

* Sub-assembly on following pages

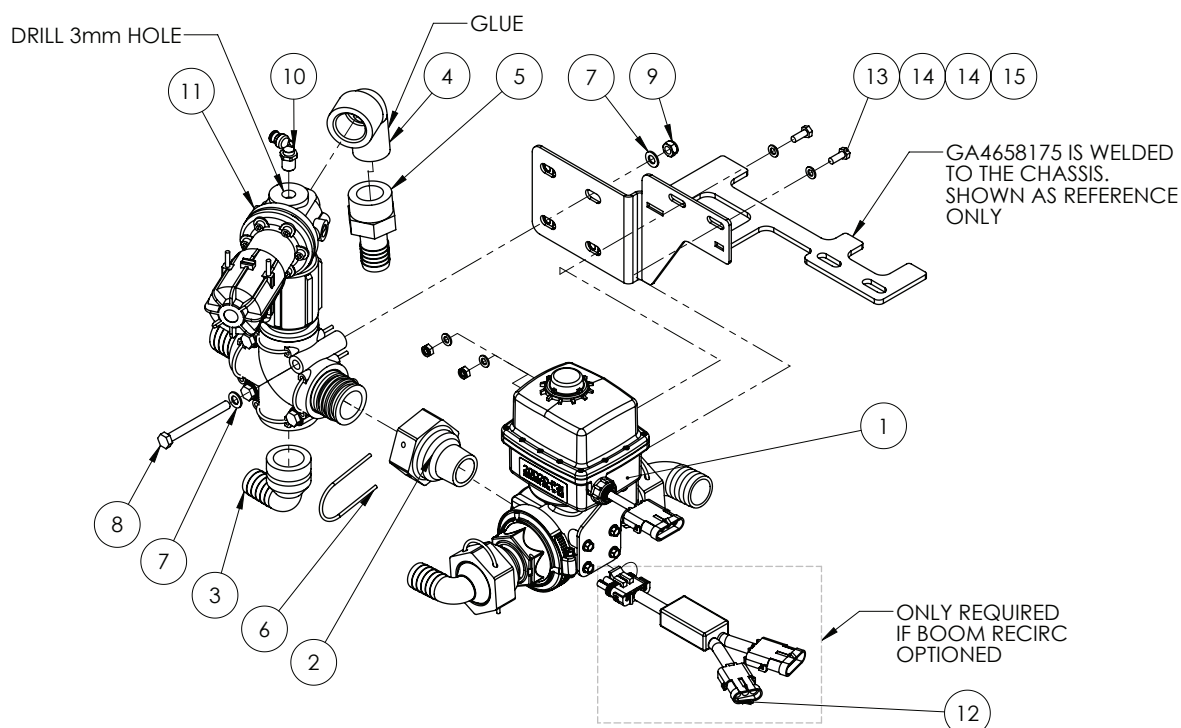
NOTE: The flow meter may be fitted with either flange clamps or metal worm screw clamps. The flange clamps come with a built in seal/gasket. See next section for other version.

Flow Meter Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5075890	Flowmeter, RFM60P High Pulse, Raven - Complete Assembly	-
1	-	Body, Moulded, Flowmeter RFM-60, 1060159514	1
2	0630173062F	Turbine, Stud, Poly, Flowmeter RFM-60	2
3	GA5075870	Hub/Bearing Assembly, Upstream, Flowmeter RFM-60	1
4	GA5075869	Rotor/Magnet Assembly RFM-60	1
5	GA5075871	Bearing, Down Stream End Bearing suit RFM-60	1
6	-	Retaining ring, Wireform, Flowmeter RFM-60, 3350003200	2
7	GA5076734	Screw 10-16 x 3/8" Slt'd Hex	1
8	GA5076966	Clamp Cable Plastic 1/4" x 1/2"	1
9	GA3000195	Sensor, External Flow Meter, High Pulse, suit 15P and 60P, Raven	1

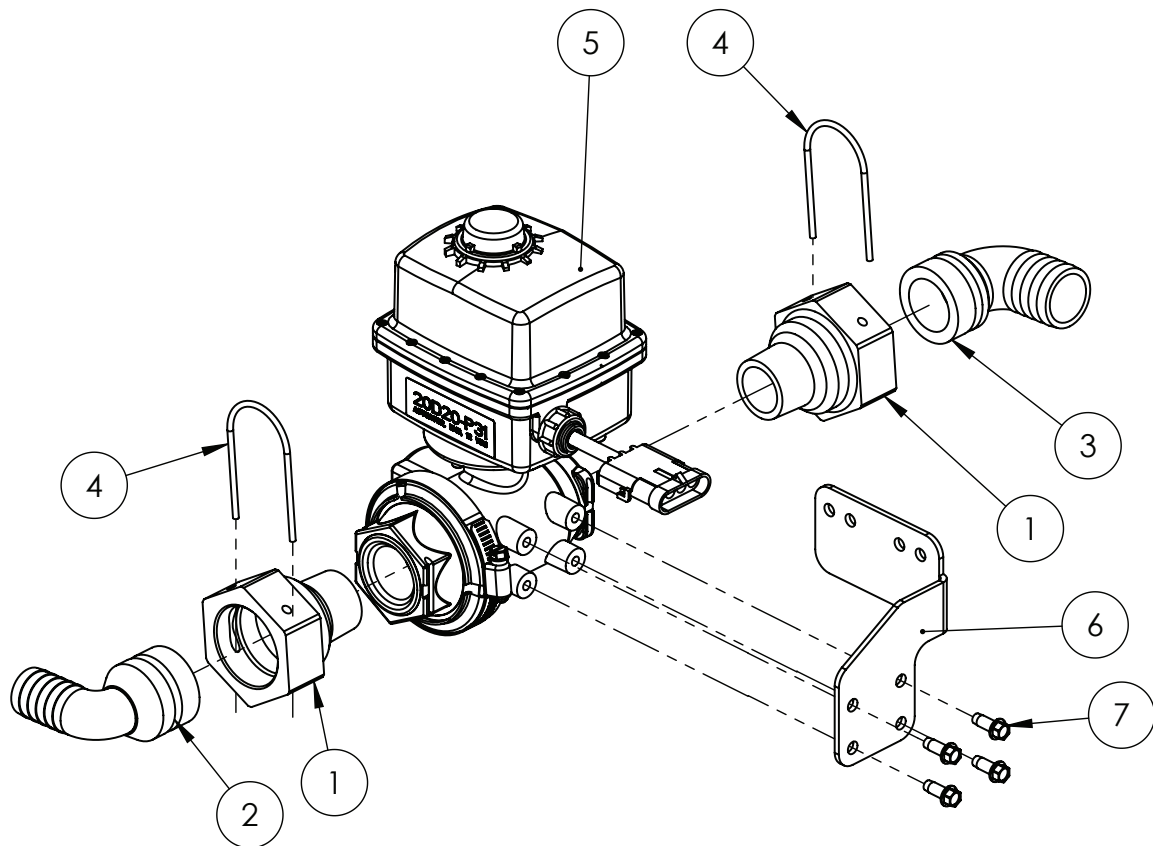
Flow Control Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	*	Flow Control - Fast Close Valve Assembly	1
2	GA4582385	Coupling, AS40 female x 1" NPT male thread	1
3	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm	1
4	GA5078137	Street elbow, 90 degree, 1 male x 1 female	1
5	GA5077718	Hose barb, Straight, 1" male thread x 1" hose	1
6	GA5065690	Safety pin, Suit AS40 plumbing fittings	1
7	GA5003643	Washer 8mm Flat SS HD	8
8	GA5004749	Bolt M8 x 80 GR8.8 ZP	4
9	GA5004917	Nut M8 Nyloc ZP	4
10	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	1
11	*	Flow Control - Safety Valve	1
12	GA5060059	Loom Boom Recirc Bypass Module	1
13	GA5011395	Bolt M6 x 16 SS A2-70	2
14	GA5004437	Washer 6mm Flat SS	4
15	GA5048115	Nut M6 Nyloc ZP	2

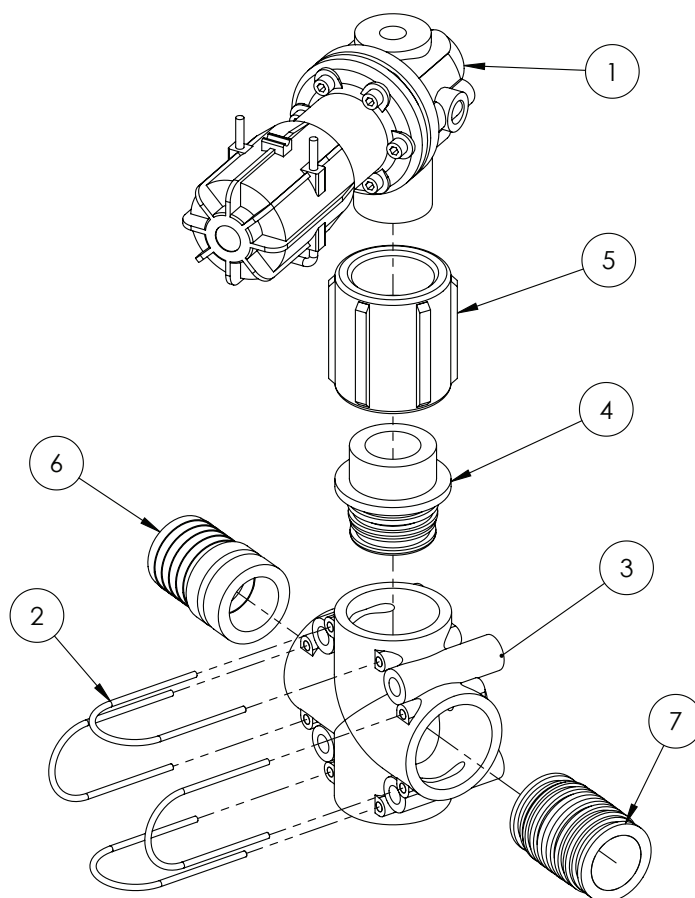
* Sub-assembly on following pages

Flow Control - Fast Close Valve Assembly



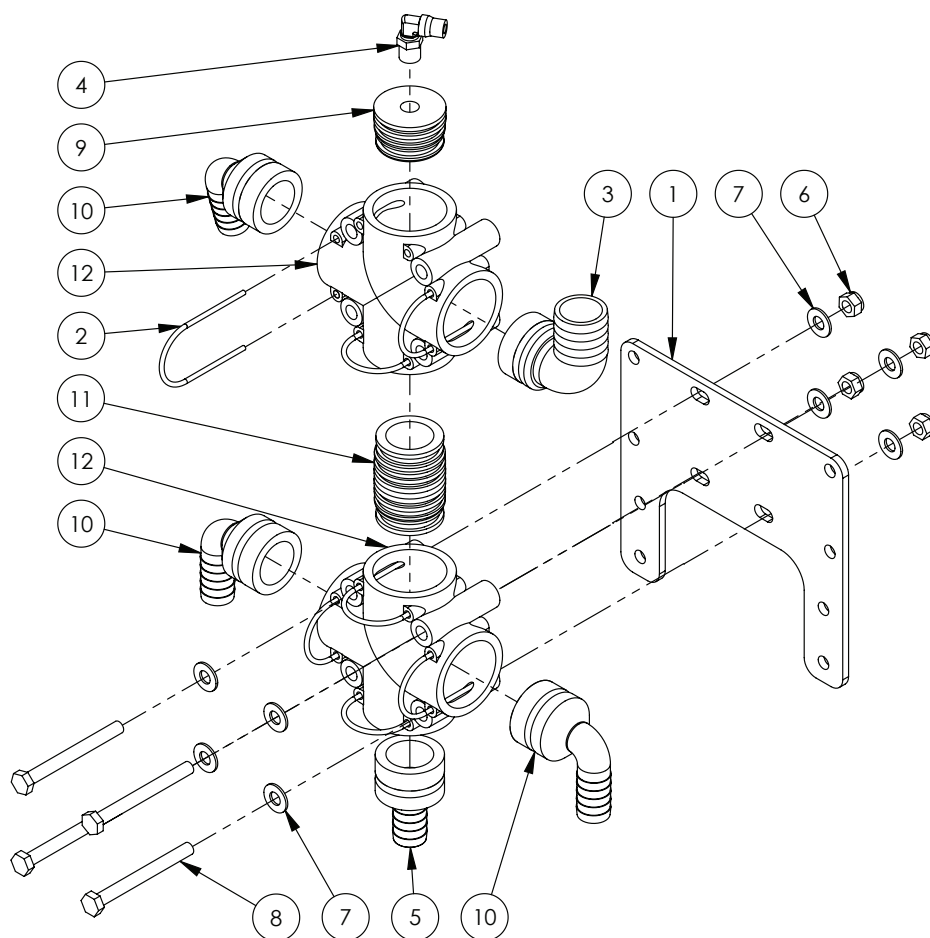
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA4582385	Coupling Altek AS40 to 1" NPT male thread	2
2	GA5065615	Hose barb, Elbow 90 degree, AS40 x 25mm, Altek	1
3	GA5065620	Plug in hose tail AS40/33/90 degree	1
4	GA5065690	Safety pin AS40	2
5	GA2000065	Regulator valve, 1" NPT, full port, 3 way, 0.8 sec 12v, KZ valve	1
6	GA4524925	Bracket, KZ valve to Raven FCV mount	1
7	GA0500022	Set Screw Self Tapping Trilobe M6 x 16 ZP	4

Flow Control - Safety Valve Assembly



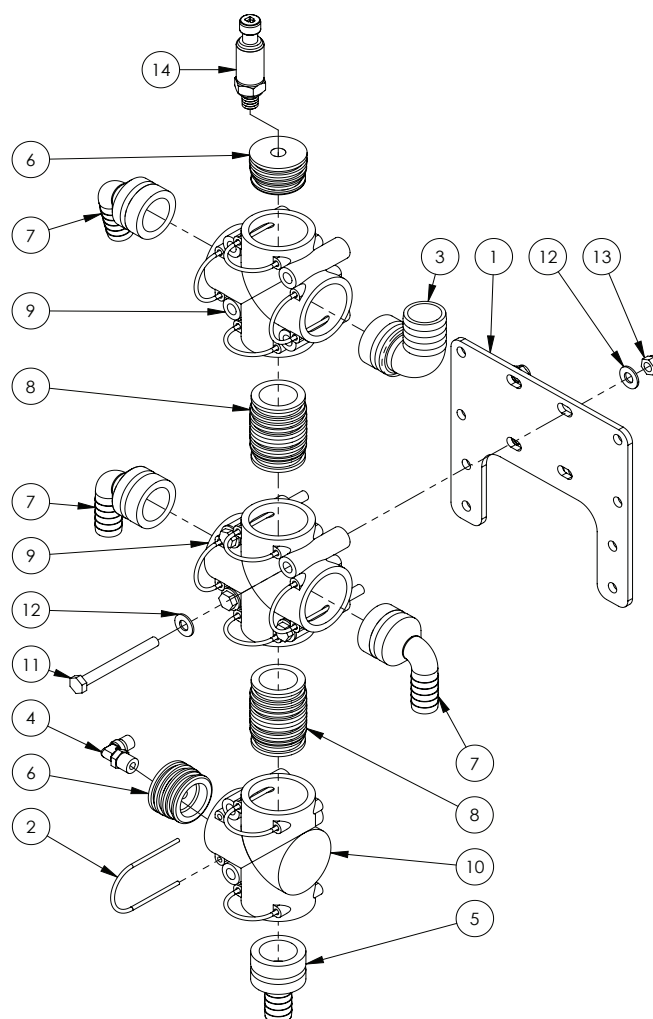
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5075640	Valve, Pressure relief, 15 bar, 1" male thread inlet x 1 1/4" male thread outlet, Red, Polmac	1
2	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	4
3	GA5065565	Plumbing coupling, Cross, AS40 female inlets / outlets, Altek	1
4	GA5065595	Plug in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

RapidFire - Pressure Flow Distributor - 4400



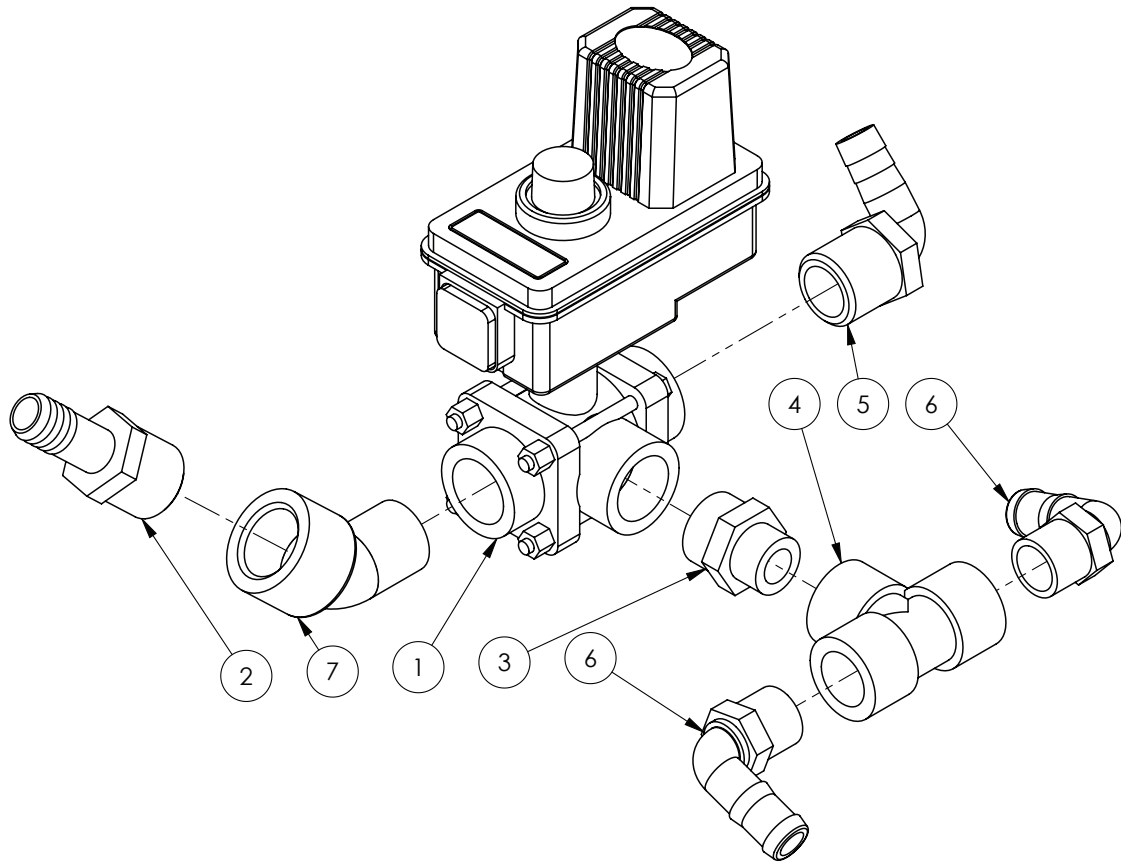
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5004383	Tube, Nylon, 6mm, Black	-
1	GA4522640	Mount, suit Altek Rear Camera Manifold	1
2	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	7
3	GA5065620	Hose barb, Elbow, 90 degree, AS40 x 33mm hose barb, Altek	1
4	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	1
5	GA5065575	Hose barb, Straight, AS40 male x 20mm hose, Altek	1
6	GA5004917	Nut M8 Nyloc ZP	4
7	GA5003643	Washer 8mm Flat SS HD	8
8	GA5004749	Bolt M8 x 80 ZP GR8.8	4
9	GA4582160	Plumbing adaptor, Plug, AS40 male x G1/4" Female Thread, Altek	1
10	GA5065610	Hose barb, Elbow, 90 degree, AS40 x 20mm hose, Altek	3
11	GA5065735	Plumbing adaptor, AS40 male x AS40 male, Altek	1
12	GA5065565	Plumbing coupling, Cross, AS40 female inlets / outlets, Altek	2
13	GA5065585	Plug in hose tail AS40/33	1

RapidFire - Pressure Flow Distributor - ISOBUS



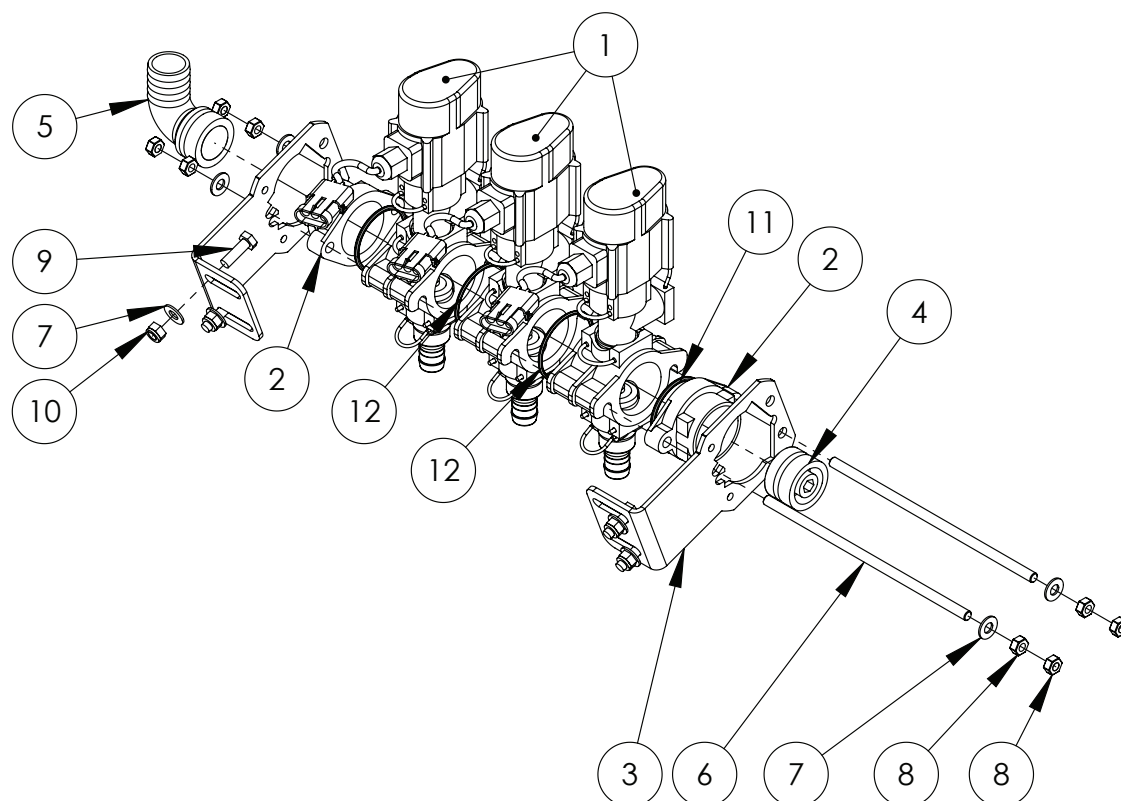
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5004383	Tube, Nylon, 6mm, Black	-
1	GA4522640	Mount to suit Altek Rear Camera Manifold	1
2	GA5065690	Safety pin, Suit AS40 plumbing fittings, Altek	11
3	GA5065620	Hose barb, Elbow, 90 degree, AS40 x 33mm hose barb, Altek	1
4	GA5016233	Pneumatic fitting, Elbow, 90 degree, 1/4" BSP male x 6mm push type, Metal	1
5	GA5065575	Hose barb, Straight, AS40 male x 20mm hose, Altek	1
6	GA4582160	Plumbing adaptor, Plug, AS40 male x 1/4" Female Thread, Altek	2
7	GA5065610	Hose barb, Elbow, 90 degree, AS40 x 20mm hose, Altek	3
8	GA5065735	Plumbing adaptor, AS40 male x AS40 male, Altek	2
9	GA5065565	Plumbing coupling, Cross, AS40 female inlets / outlets, Altek	2
10	GA5065560	Tee, AS40 female, M8 inserts, Altek	1
11	GA5004749	Bolt M8 x 80 ZP GR8.8	4
12	GA5003643	Washer 8mm Flat SS HD	8
13	GA5004917	Nut M8 Nyloc ZP	4
14	GA5076953	Pressure Transducer, 0-250 PSI, Sealed, Raven	1

RapidFire - RapidFlow Return Valve



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077319	Shutoff / Bypass 1" BSPT, 3 way (Yellow indicator)	1
2	GA5077721	Hose barb, Straight, 1" male thread x 3/4" hose	1
3	GA5078089	Reducing Nipple, 1" thread x 3/4" thread	1
4	GA5078150	Tee, Threaded, 3/4" female	1
5	GA5077719	Hose barb, Elbow, 90 degree, 1" male thread x 3/4" hose	1
6	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	2
7	GA5078136	Street elbow, 45 degree, 1" male thread x 1" female thread	1

Boom Valves Assembly



ITEM NO	PART NUMBER	DESCRIPTION	QTY.
1	GA5065515	Valve, Boom Section, Single, AS24, 3 wire, with connector	3
2	GA5065810	End cap, Altek boom valve	2
3	GA5065800	Altek boom valve mounting bracket	2
4	GA4582160	Plumbing adaptor, Plug, AS40 male x G1/4" Female Thread	1
5	GA5065620	Hose barb, Elbow, 90 degree, AS40 x 33mm hose barb	1
6	GA5065805	Connecting Rod, M8 x 220mm, Suit 3 Bank (303 SS)	2
7	GA5003643	Washer 8mm Flat SS HD	12
8	GA5011499	Nut M8 ZP	8
9	GA5004711	Bolt M8 x 25 GR8.8 ZP	4
10	GA5004917	Nut M8 Nyloc ZP	4
11	GA5048385	O ring, 42.5 x 2.62 mm, BS131, suit 2" hose barb	1
12	GA5012507	O Ring 55.25 x 2.62 mm	2

* Sub-assembly on following pages

CONNECTING RODS

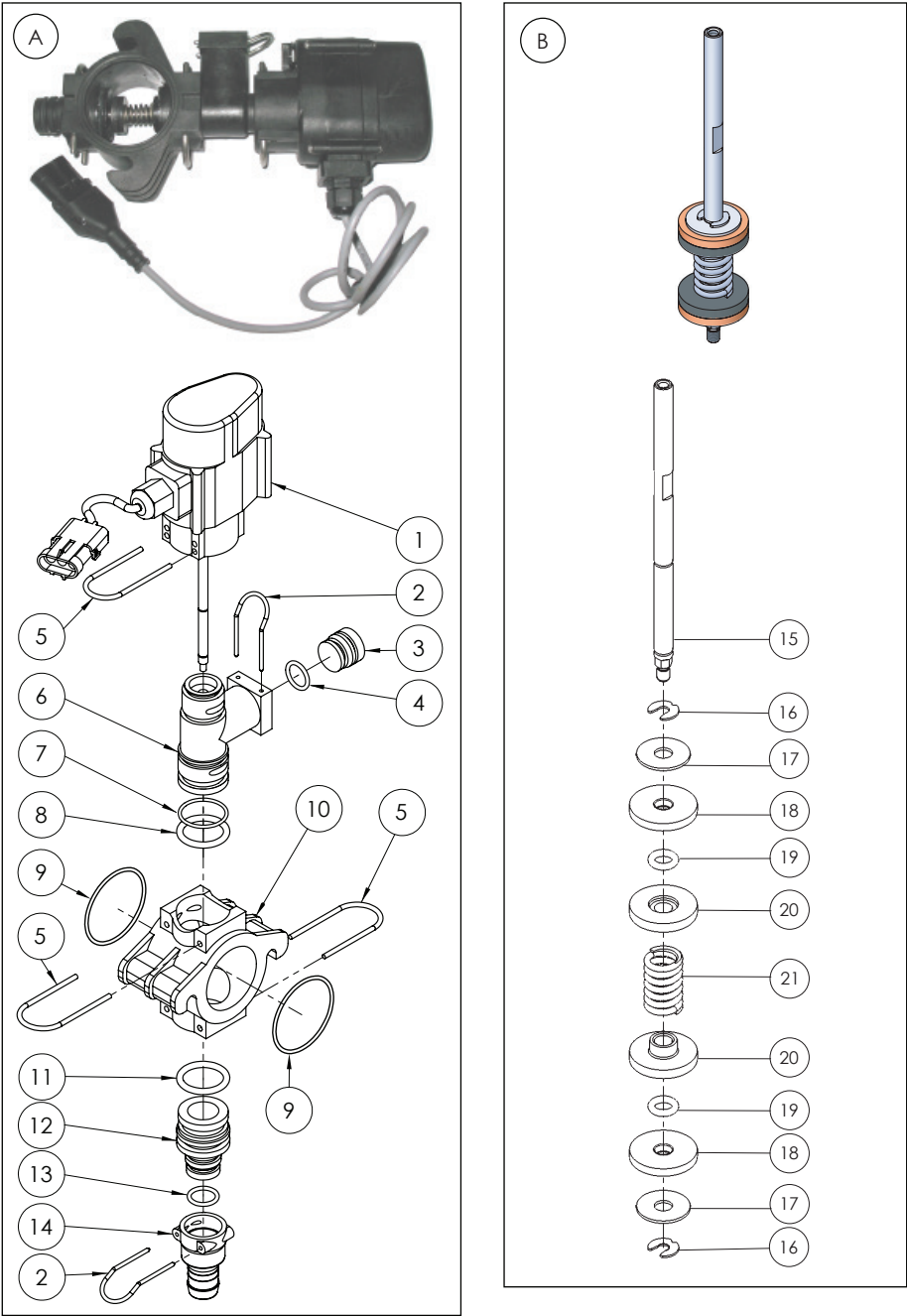
PART NUMBER	DESCRIPTION
GA5065805	3 Section connecting rod
GA4562055	4 Section connecting rod
GA4562125	5 Section connecting rod
GA4562050	6 Section connecting rod
GA4562045	7 Section connecting rod
GA4562040	8 Section connecting rod

BOOM VALVES

PART NUMBER	DESCRIPTION
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 Valve Unit Assembly



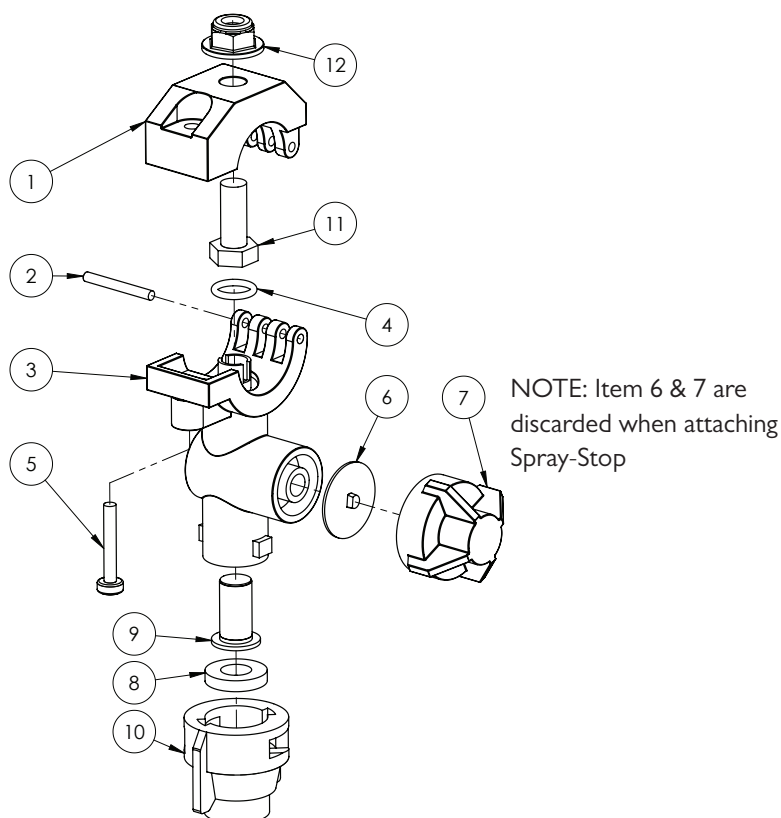
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
A	GA5065515	Boom valve assembly, Single, AS24, 3 wire, with connector (Includes plunger assembly - Part B)	-
B	GA2000262	Plunger assembly, Boom valve	-

Continued over page

Boom Valve Unit Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA2000266	Switch unit, 3 wire, Weatherpack plug, Boom Valve	1
2	GA5065695	Retaining pin, Suit AS24 plumbing fittings	2
3	GA2000269	Plug, AS24, Altek, 80376	1
4	GA5065840	O ring, 18.0 x 2.5 mm	1
5	GA5065701	Retaining pin, Suit AS30 plumbing fittings	3
6	GA2000267	Valve body, Boom Valve	1
7	GA5053510	O ring, 25 x 2.5 mm	1
8	GA5065830	O ring, 24.3 x 4.2 mm, FPM75	1
9	GA5012507	O Ring 55.25 x 2.62 mm	2
10	GA5065825	Manifold piece, Boom valve	1
11	GA5065830	O ring, 24.3 x 4.2 mm, FPM75	1
12	GA5065835	Plug in adapter, AS30 x AS24	1
13	GA5001067	O Ring 17.1 x 2.6 mm	1
14	GA5065640	Hose barb, AS24 female x 20mm hose	1
15	GA2000263	Plunger rod, Boom valve	1
16	GA5054650	Circlip, Boom Valve	2
17	GA5054640	Washer 17.8 x 6.1 x 1 mm	2
18	GA5054645	Rubber Plunger Seal, Boom Valve	2
19	GA5025250	O-ring, seal, 6 x 2 mm, FPM75, suit boom valve	2
20	GA2000264	Plunger spring cap, Boom valve	2
21	GA2000265	Plunger spring, Boom valve	1

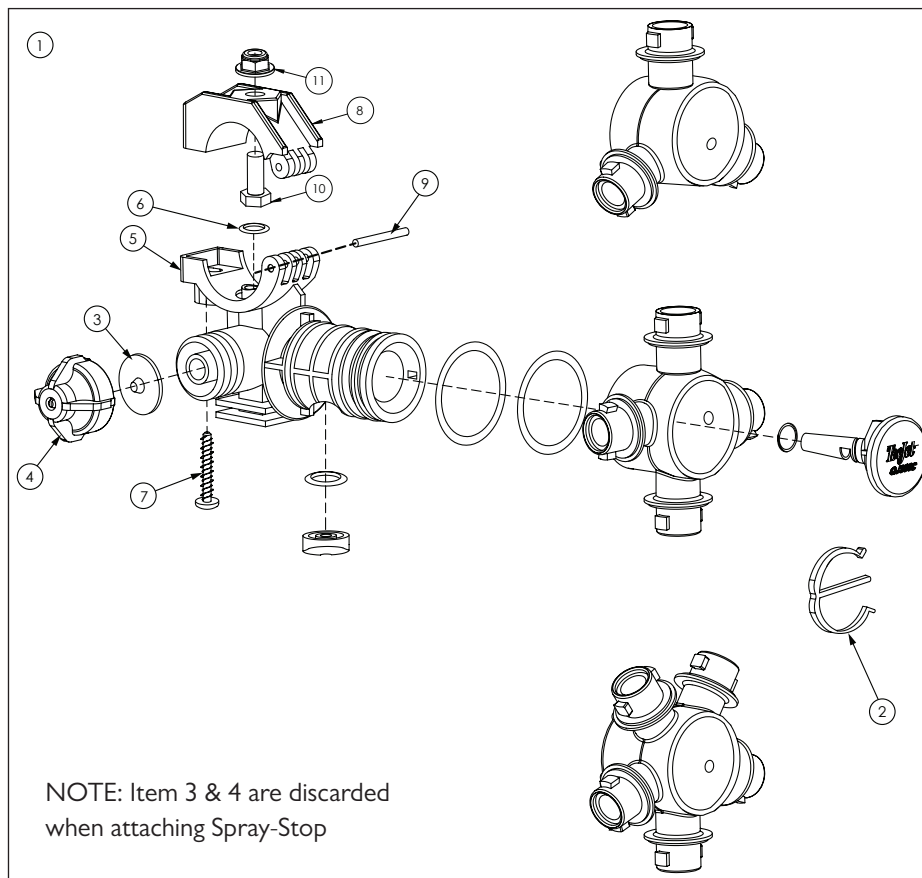
Nozzles - Teejet Single Body



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5077964	Nozzle body, Single, 3/4", Teejet	-
-	GA5077988	Nozzle body, Single, 1", Teejet	-
1	GA5077532	Nozzle body clamp, Upper, 3/4", Teejet	1
	GA5077533	Nozzle body clamp, Upper, 1", Teejet	1
2	GA5077537	Pin, Nozzle body clamp, Teejet	1
3	GA5077538	3/4" Nylon body	1
	CP48499-NYB	1" Nylon body	1
4	GA5077596	O-ring, 14.5 x 2.5mm, Buna	1
	GA5077597	O-ring, Viton	1
5	GA5077536	Screw, suit Teejet Nozzle bodies, 1-1/4" long, SS	1
6	GA5077439	Chemsaver, Diaphragm, Teejet	1
	GA5077440	Diaphragm, Viton, Nozzle body check valve, Teejet	1
7	GA5076670	Chemsaver, 10psi, Black, Teejet	1
8	GA5055245	Washer, Nozzle cap seal, Rubber, 19 OD x 9mm ID	1
9	GA5077159	Filter, Nozzle tip, Red, 50 mesh, Polypropylene & SS, Teejet	1
	GA5077160	Nozzle filter screen, Blue 80 mesh, Polypropylene / SS, Teejet	1
10	GA8100464	Nozzle cap, Black, Teejet, Suit flat spray smaller capacity nozzles (up to 08)	1
	GA8100059	Nozzle Cap, 10mm across flats, Black, Lechler	1
11	GA5004085	Bolt M8 x 20 GR8.8 ZP	1
12	GA5070710	Nut Flange Plastic M8 x 1.25	1

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

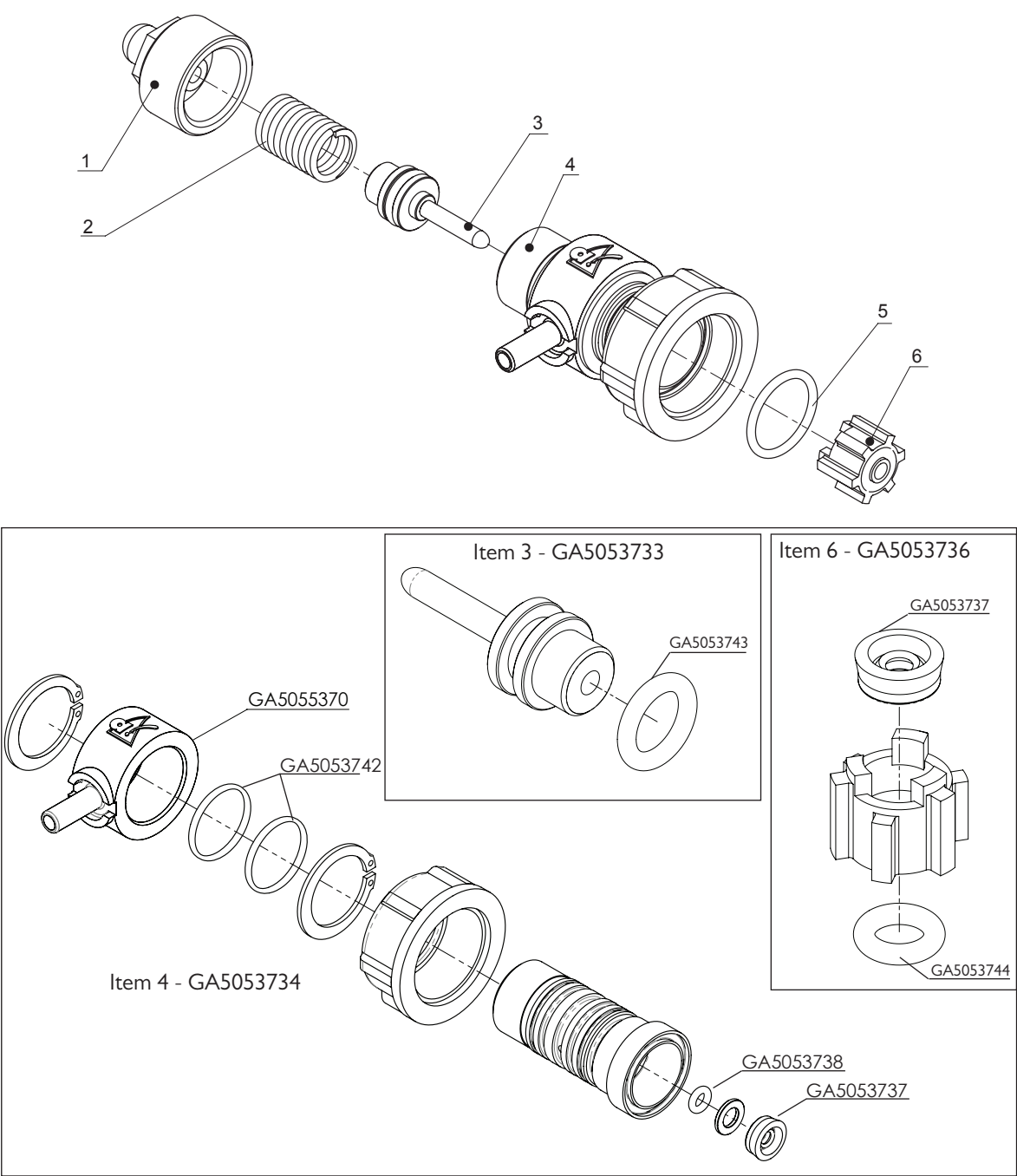
Nozzles - Teejet Clock Face Body



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

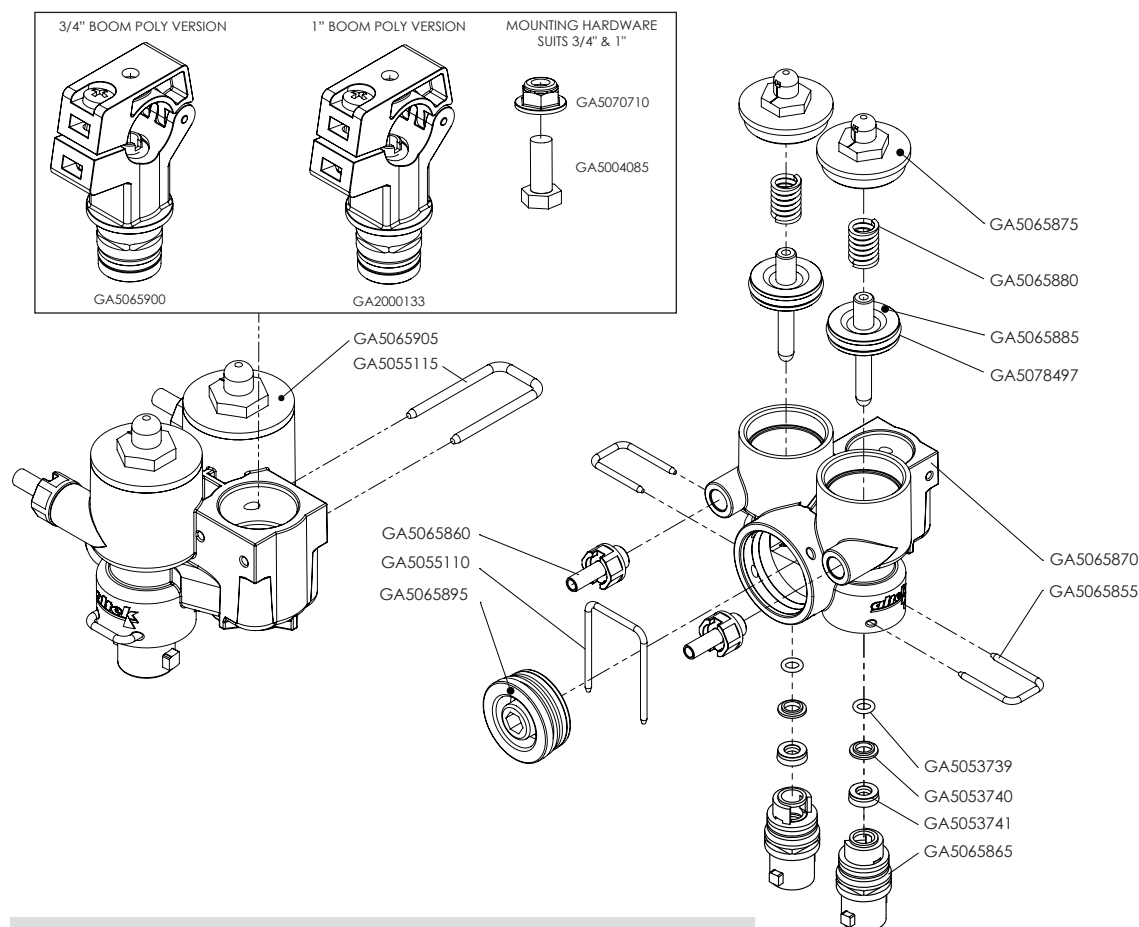
NOTE: See nozzle tip strainer, cap and nozzle sections on following pages for more detailed nozzle parts guide.

Nozzles - Altek Spray Stop



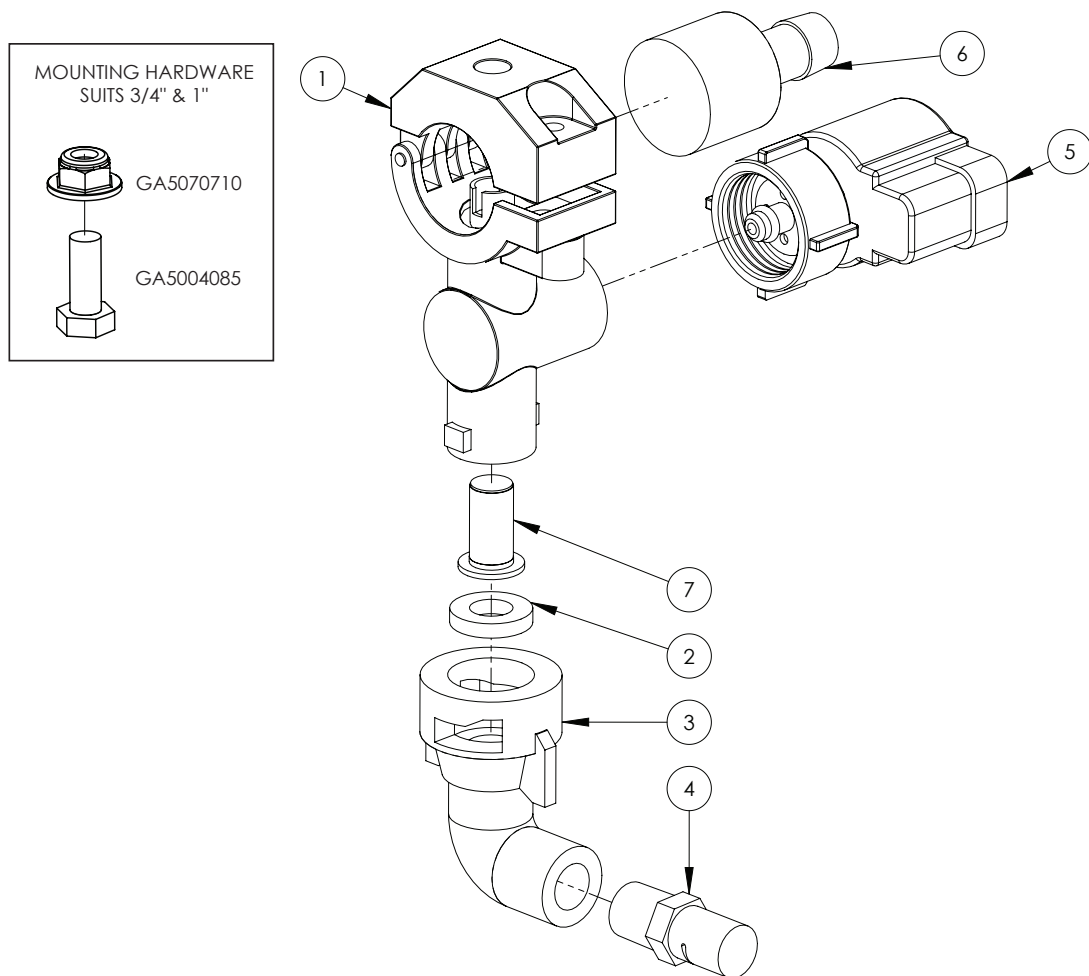
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5065520	Spray Stop, RapidFire, Suit Teejet nozzle body, Altek	-
1	GA5053731	End Cap with Breather	1
2	GA5053732	Spring, 10 Bar	1
3	GA5053733	Piston	1
4	GA5053734	Valve Body	1
5	GA5053735	O-ring external	1
6	GA5053736	Plunger	1

Nozzles - Altek Dual Spray Body



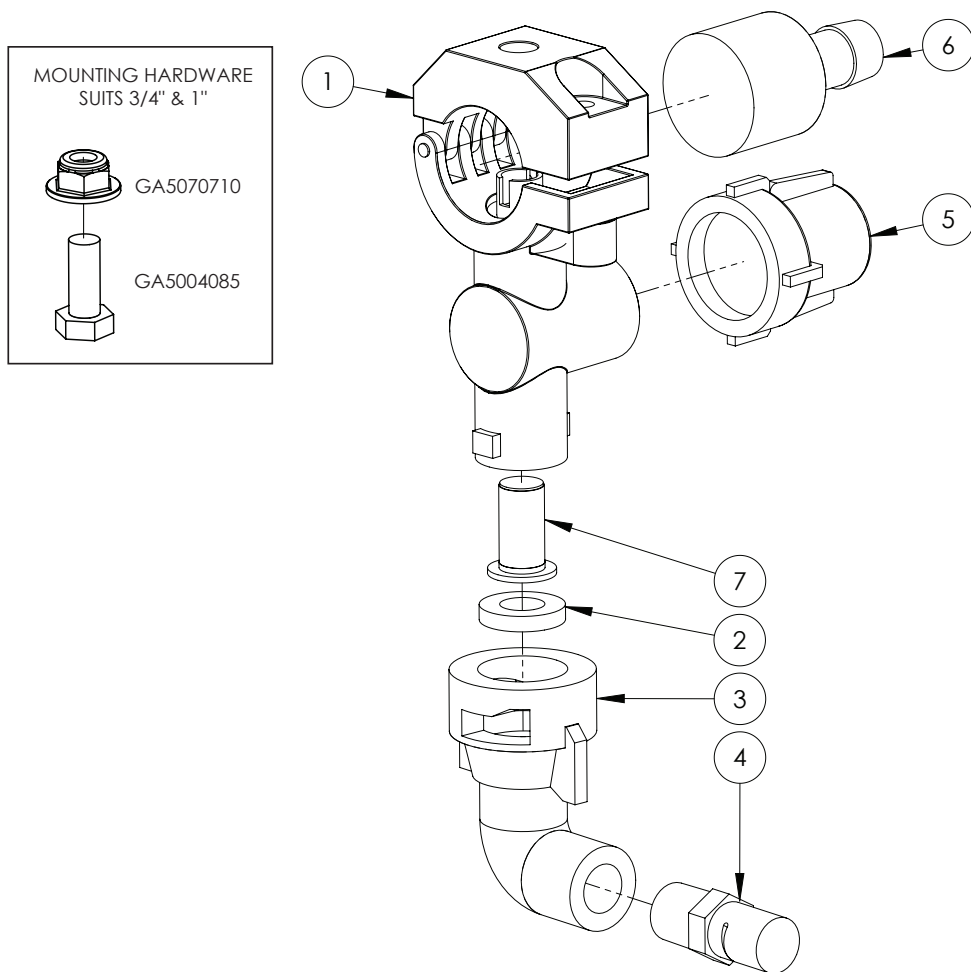
GA5065845	Nozzle body, Twin, dual, Air shut off, 3/4", Altek	
PART NUMBER	DESCRIPTION	QTY.
GA5070710	Nut Flange Plastic M8 x 1.25	1
GA5004085	Bolt M8 x 20 GR8.8 ZP	1
GA5065900	Nozzle body clamp, suit 3/4" Boom poly, Includes Screw, Nut and O-ring	1
GA2000133	Nozzle body clamp, suit 1" Boom poly, Includes Screw, Nut and O-ring	1
GA5065905	Lower body, Multi spray, Altek	1
GA5055115	U clip, 20 x 40 x 3mm	1
GA5065875	Top cap	2
GA5065880	Spring	2
GA5065885	Plunger	2
GA5065870	Outer body	1
GA5065855	U-Clip	2
GA5065865	Outlet, Valve inner, Nozzle body, Altek	2
GA5065860	Hose barb, Air fitting, 6mm hose, male thread, includes seal	2
GA5055110	U Clip 30 x 41 x 2.5mm	1
GA5065895	Shutoff Plug	1
GA5053739	O-ring, 5.6mm x 1.8mm FMP, suit GA5065845, Altek	2
GA5053740	Retaining disk, 11.8mm x 6.8mm x 2mm, suit GA5065845, Altek	2
GA5053741	Lip seal, 6mm x 12mm x 4.2mm FMP, suit GA5065845, Altek	2

Nozzles - Fence Line - Solenoid Operated



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077964	Nozzle body, Single, 3/4", Teejet	1
	GA5077988	Nozzle body, Single, 1", Teejet	1
	GA5070710	Nut Flange Plastic M8 x 1.25	1
	GA5004085	Bolt M8 x 20 GR8.8 ZP	1
2	GA5055245	Washer, Nozzle cap seal, Rubber, 19 OD x 9mm ID	1
3	GA5077986	Nozzle cap & washer, 90 degree cap, 1/4" NPT female outlet	1
4	GA8100339	Nozzle, Fence line, Orange, Polymer, Left side, 1/4" NPT, Teejet	1
	GA8100340	Nozzle, Fence line, Orange, Polymer, Right side, 1/4" NPT, Teejet	1
5	GA5071785	Solenoid, e-Chemsaver suit 2 Pin Metri-pack, Fence Line	1
6	GA5077497	Hose barb suit nozzle body, Single 1/2", Nylon, Teejet	1
7	GA5076947	Check valve & filter screen, Nozzle tip, 5psi valve, 50 mesh	1

Nozzles - Fence Line - Manual Operated



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5077964	Nozzle body, Single, 3/4", Teejet	1
	GA5077988	Nozzle body, Single, 1", Teejet	1
	GA5070710	Nut Flange Plastic M8 x 1.25	1
	GA5004085	Bolt M8 x 20 GR8.8 ZP	1
2	GA5055245	Washer, Nozzle cap seal, Rubber, 19 OD x 9mm ID	1
3	GA5077986	Nozzle cap & washer, 90 degree cap, 1/4" NPT female outlet	1
4	GA8100339	Nozzle, Fence line, Orange, Polymer, Left side, 1/4" NPT, Teejet	1
	GA8100340	Nozzle, Fence line, Orange, Polymer, Right side, 1/4" NPT, Teejet	1
5	GA5077074	Chemsaver, Manual shutoff, Maximum 150psi pressure, Teejet	1
6	GA5077497	Hose barb suit nozzle body, Single 1/2", Nylon, Teejet	1
7	GA5076947	Check valve & filter screen, Nozzle tip, 5psi valve, 50 mesh	1

Nozzles - Tip Strainers

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

Nozzles - IDK - Cap

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

Nozzles - IDK - Tips

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

Nozzles - ID3 - Cap

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

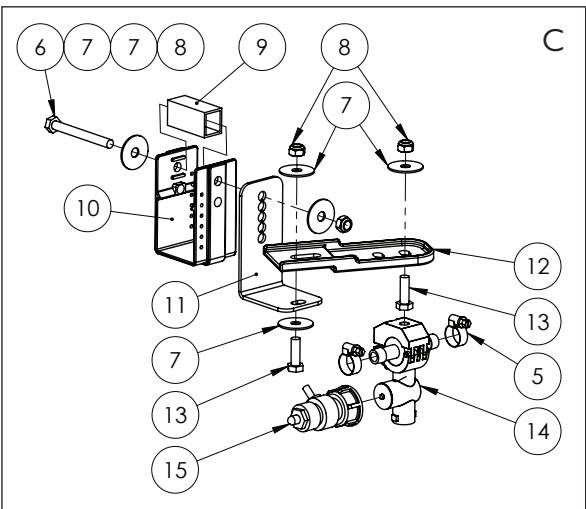
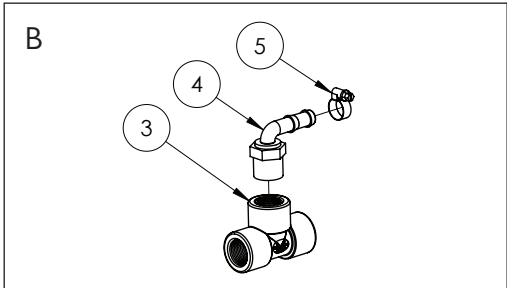
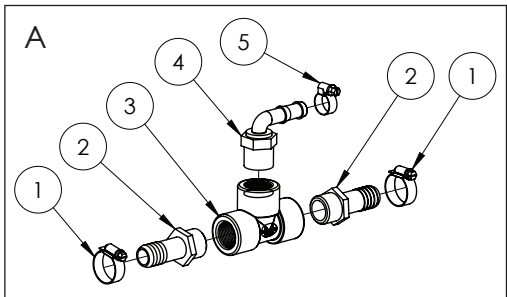
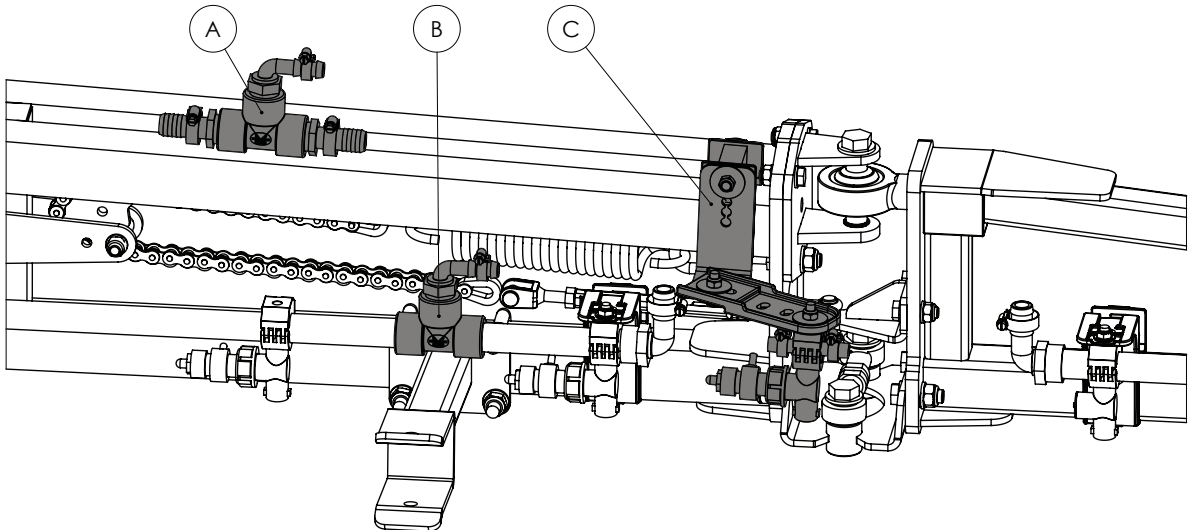
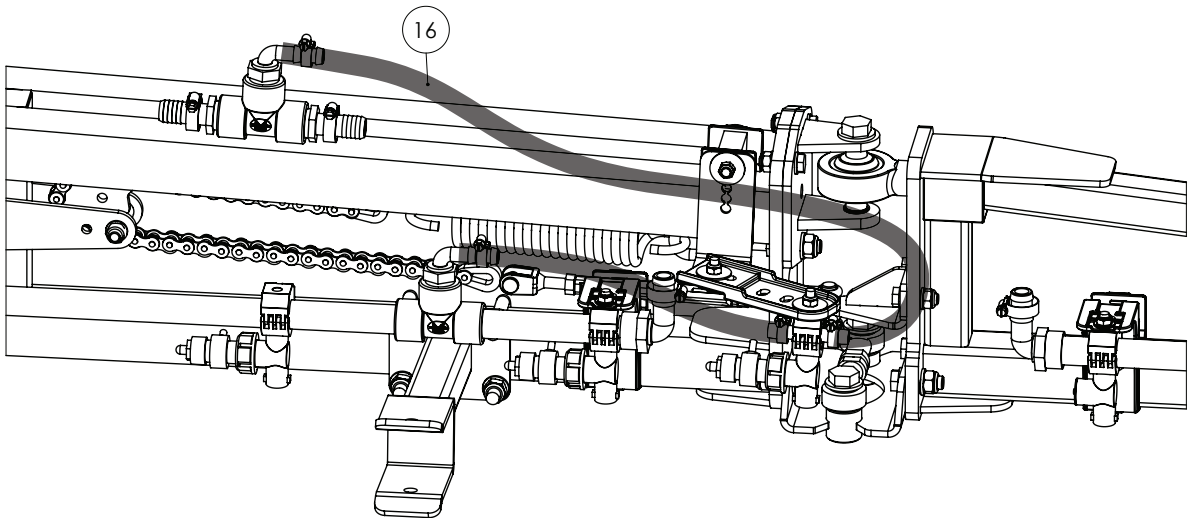
Nozzles - ID3 - Tips

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

Nozzles - AIXR - Tips

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

Nozzles - Mid Breakaway Assembly



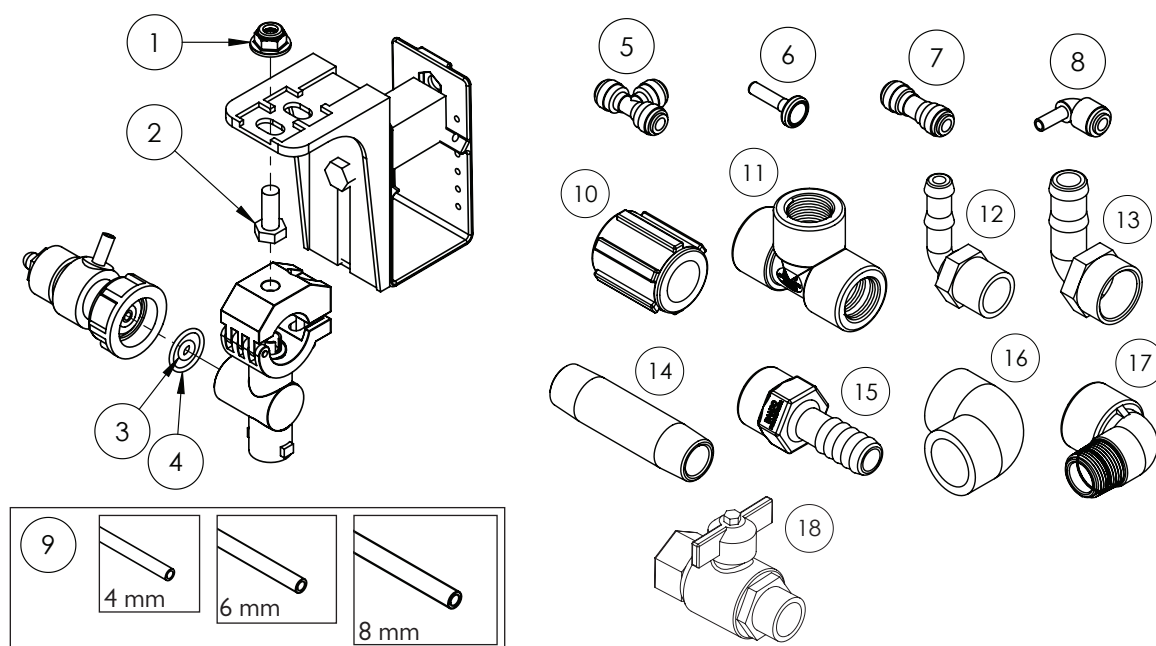
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Nozzles - Mid Breakaway Assembly

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

Quantities shown are per side.

Plumbing Lines - Miscellaneous



Quantities vary

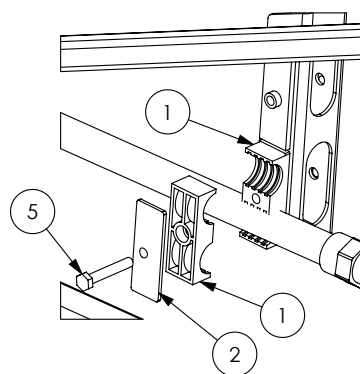
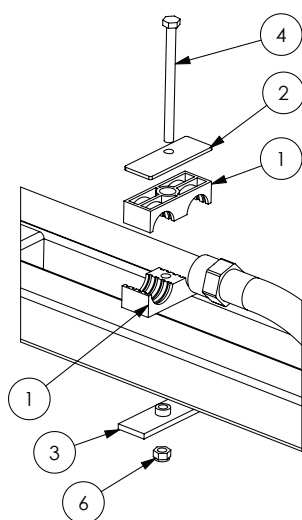
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5070710	Nut with flange, Plastic, M8 x 1.25P	#
2	GA5004085	Bolt M8 x 20 GR8.8 ZP	#
3	GA5065521	O ring, 6.02 x 2.62 mm, Suits spray stop inner	#
4	GA5053135	O ring, 18 x 2 mm, Suit spray stop outer	#
	GA5016246	Tee, Equal, 4mm push in type, Black plastic	#
5	GA5016245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

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Plumbing Lines - Miscellaneous

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

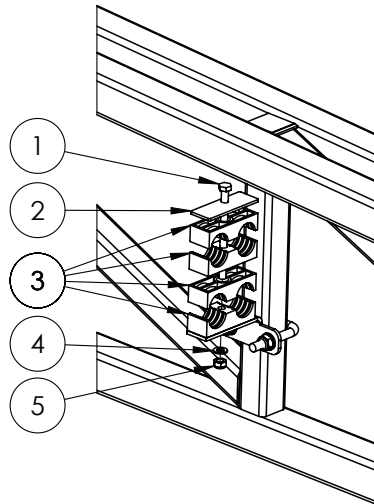
Boom Pipe Clamps - Singles



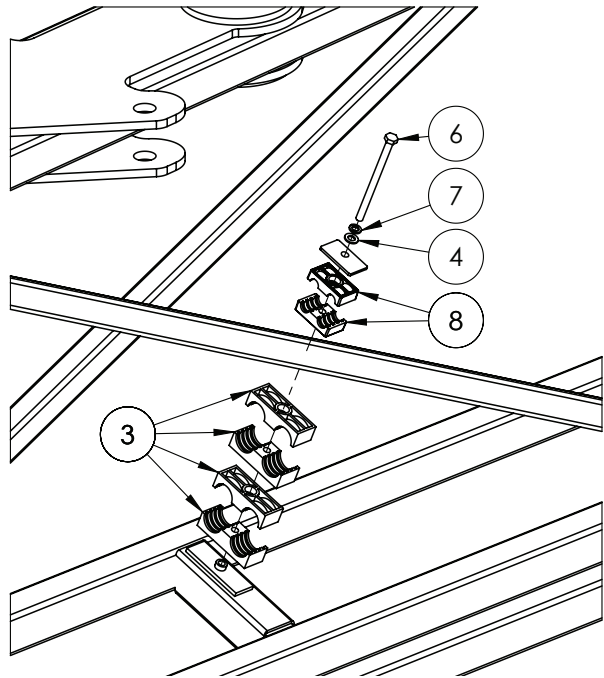
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5078038	RCD clamp jaws, Double 28mm hose, Black polypropylene	#
2	GA5078049	Hose clamp, Double RCD, Top plate, Grade 4, Suit clamp 28-30	#
3	GA5078048	Double Clamp Plate Bottom Gr4	#
4	GA5004933	Bolt M8 x 110 ZP GR8.8	#
5	GA5004727	Bolt M8 x 50 ZP GR8.8	#
6	GA5052590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

Quantities vary

Boom Pipe Clamps - Multi



ALUMINIUM OUTER WING

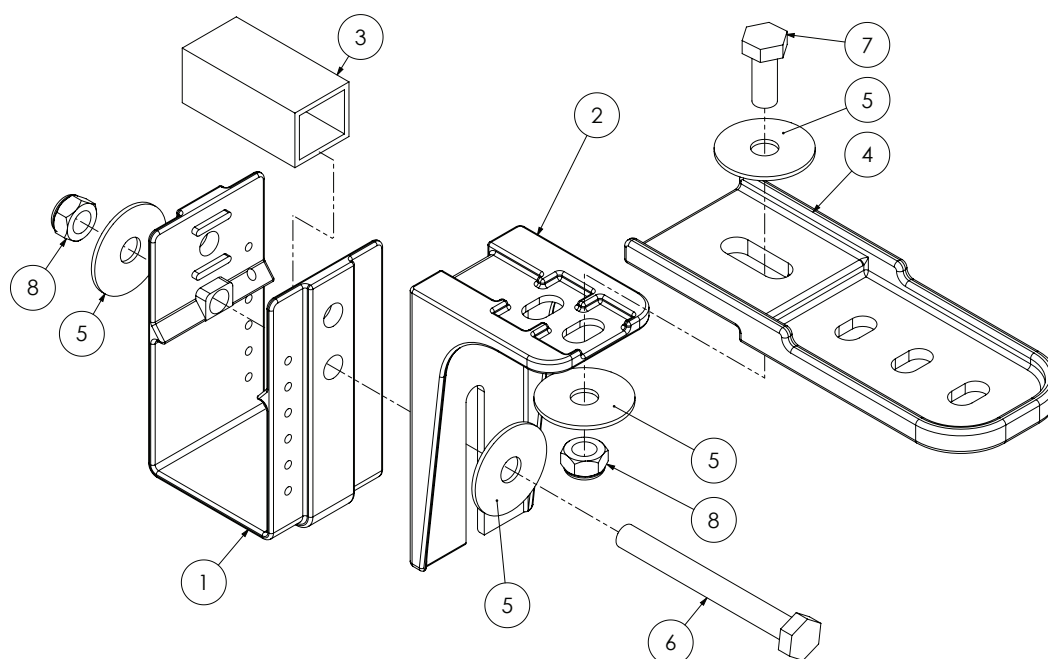


STEEL INNER WING

Quantities vary

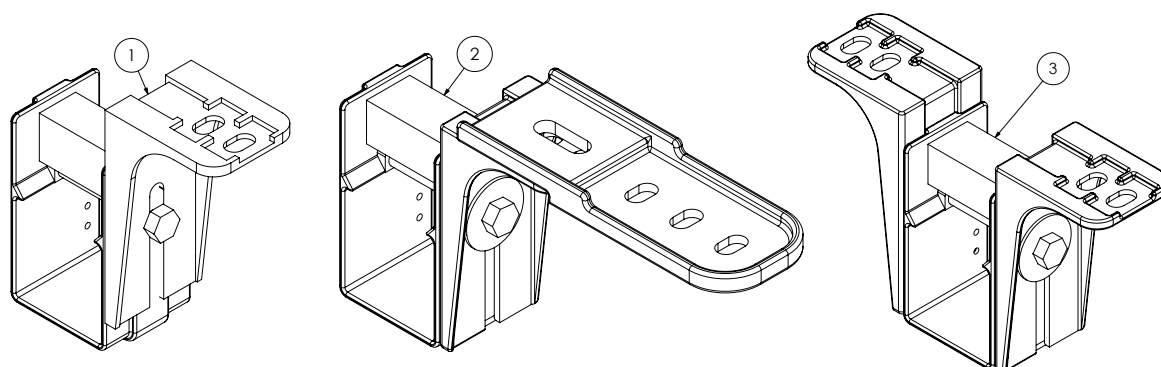
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5004933	Bolt M8 x 110 GR8.8 ZP	#
2	GA5078049	Mounting Clamp, Double type, Plate, Top, Group 4	#
3	GA5078038	Mounting clamp, Double type, Jaw, Pair, Group 4, 28mm	#
4	GA5003643	Washer 8mm Flat SS HD	#
5	GA5052590	Nut M8 Nyloc SS	#
6	GA5011501	Bolt M8 x 120 GR8.8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

Plumbing Lines - Nozzle Brackets



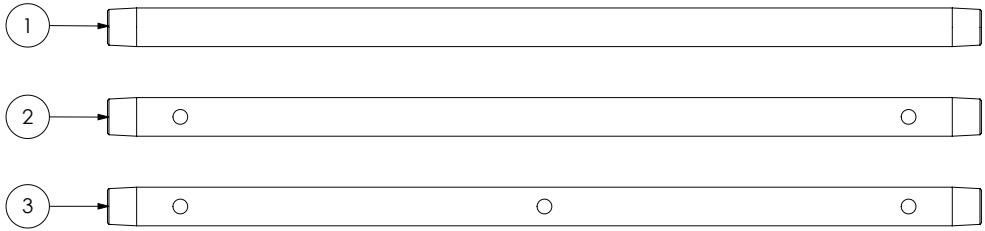
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	GA5018259	Nozzle bracket, plastic, U shape	1
2	GA5018257	Nozzle bracket, plastic, L shape, short	1
	GA5018258	Nozzle bracket, plastic, L shape, long	1
3	GA5066965	Spacer suit nozzle brackets	1
4	GA5018255	Bracket, Nozzle extension, Plastic	1
5	GA5003645	Washer 5/16"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

Plumbing Lines - Nozzle Bracket Kits



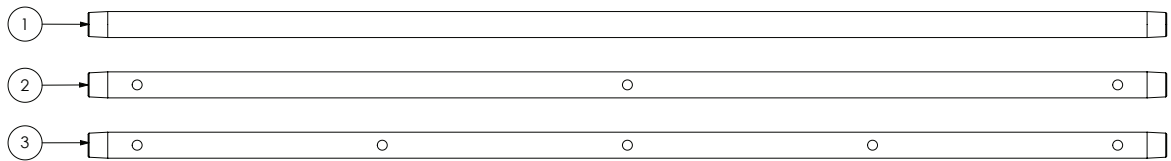
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA4948675-SK	Nozzle bracket kit, Single line, Suit 50mm RHS
2	GA4948695-SK	Nozzle bracket kit, Single line with extension, Suit 50mm RHS
3	GA4948685-SK	Nozzle bracket kit, Dual line, Suit 50mm RHS

Boom Poly - 3/4"- 600mm



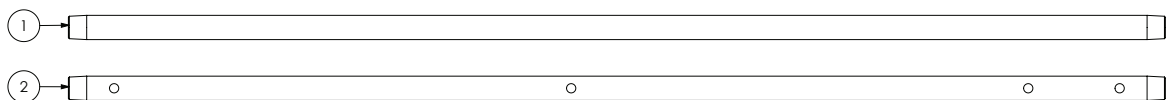
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018287	Boom line, Poly, 3/4", 600 long, No holes
2	GA2000510	Boom line, Poly, 3/4", 600 long, 2 holes, 500mm spacing
3	GA2000511	Boom line, Poly, 3/4", 600 long, 3 holes, 250mm spacing

Boom Poly - 3/4"- 1100mm



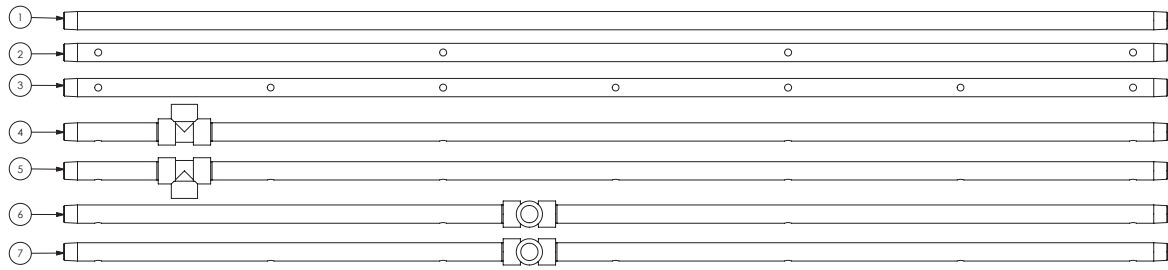
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018269	Boom line, Poly, 3/4", 1100 long, No holes
2	GA2000506	Boom line, Poly, 3/4", 1100 long, 3 holes, 500mm spacing
3	GA2000507	Boom line, Poly, 3/4", 1100 long, 5 holes, 250mm spacing

Boom Poly - 3/4"- 1200mm



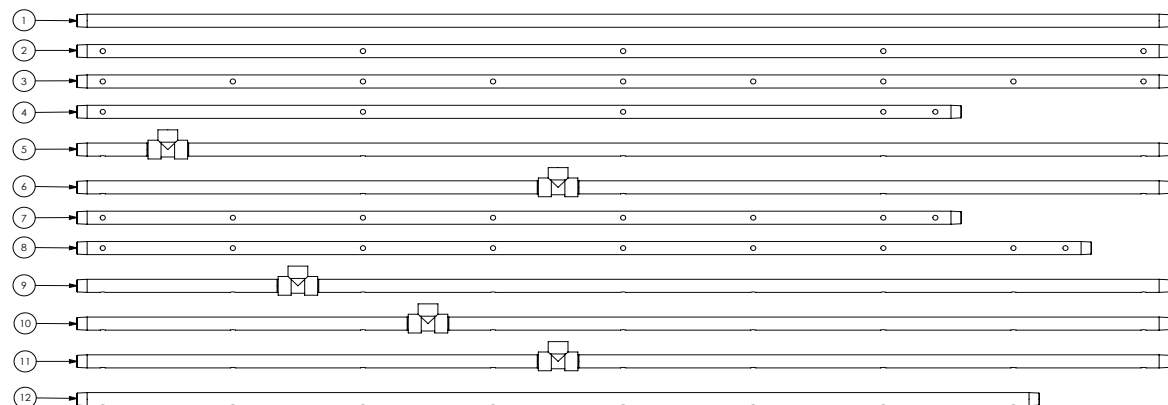
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018271	Boom line, Poly, 3/4", 1200 long, No holes
2	GA2000515	Boom line, Poly, 3/4", 1200 long, 3 holes plus fenceline, 500mm spacing

Boom Poly - 3/4" - 1600mm



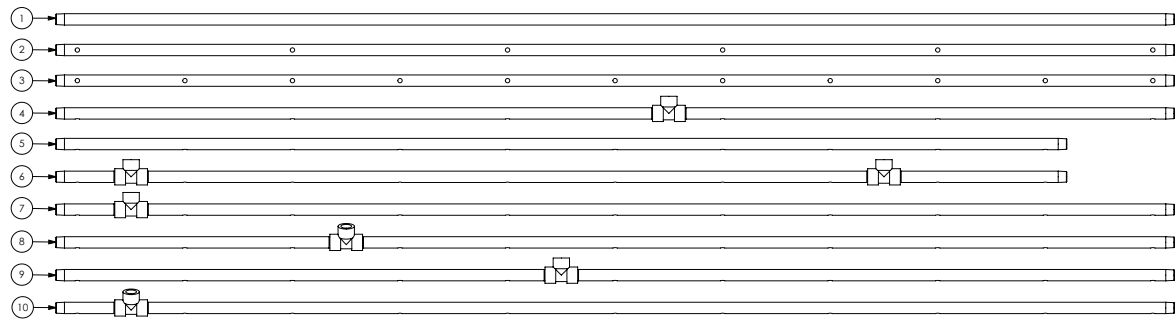
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018273	Boom line, Poly, 3/4", 1600 long, No holes
2	GA2000500	Boom line, Poly, 3/4", 1600 long, 4 holes, 500mm spacing
3	GA2000501	Boom line, Poly, 3/4", 1600 long, 7 holes, 250mm spacing
4	GA2000520	Boom line, Poly, 3/4", 1600 long, 4 holes, 500mm spacing, Tee 175mm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

Boom Poly - 3/4" - 2100mm



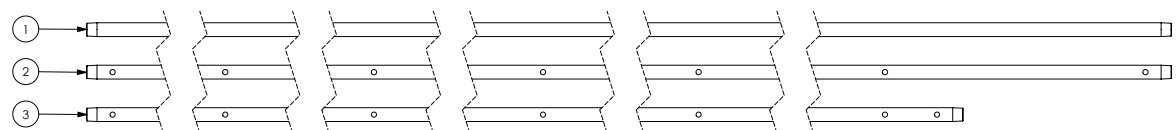
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018275	Boom line, Poly, 3/4", 2100 long, No holes
2	GA2000502	Boom line, Poly, 3/4", 2100 long, 5 holes, 500mm spacing
3	GA2000503	Boom line, Poly, 3/4", 2100 long, 9 holes, 250mm spacing
4	GA2000525	Boom line, Poly, 3/4", 1700 long, 4 holes plus fenceline, 500mm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

Boom Poly - 3/4" - 2600mm



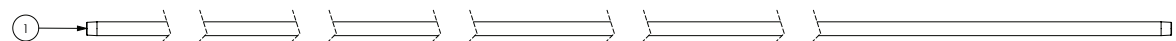
ITEM NO.	PART NUMBER	DESCRIPTION
1	GA5018279	Boom line, Poly, 3/4", 2600 long, No holes
2	GA2000504	Boom line, Poly, 3/4", 2600 long, 6 holes, 500mm spacing
3	GA2000505	Boom line, Poly, 3/4", 2600 long, 11 holes, 250mm spacing
4	GA2000540	Boom line, Poly, 3/4", 2600 long, 6 holes, 500mm spacing, Tee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

Boom Poly - 3/4" - 3100mm



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

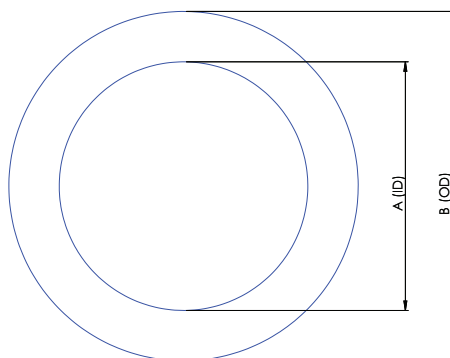
Boom Poly - 1" - 6000mm



ITEM NO.	PART NUMBER	DESCRIPTION
1	GA2000130	Boom Line, Poly, 1", 6000mm Length, No Holes

NOTE: The 1" boom poly is used exclusively on the 48 metre boom option.

Hoses



SUCTION HOSE

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

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

PRESSURE HOSE

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

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

PVC HOSE

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

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

SIGHT TUBE HOSE

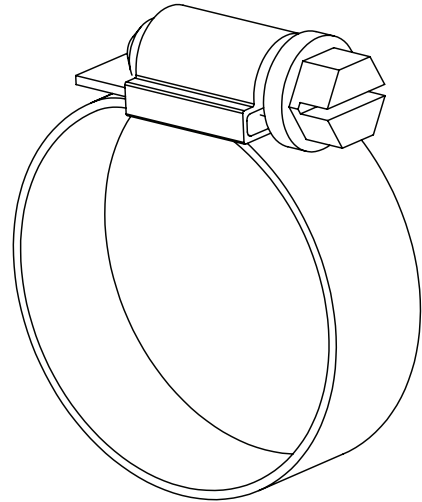
PART NUMBER	DESCRIPTION	INTERNAL DIAMETER (A)	OUTSIDE DIAMETER (B)
GA2000209	12mm Clear Sight Tube Hose	12mm	-
GA2000210	12mm Clear Sight Tube Hose with wire	12mm	-

LAY FLAT HOSE

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

Hose Clamps

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

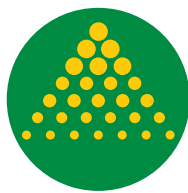


Cable Ties

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

Spiral Guard

PART NUMBER	DESCRIPTION
GA5015669	Spiral guard, Black



GOLDACRES

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