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# GOLDACRES/PATHWAY TERMS AND CONDITIONS OF SALE

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

## Interpretation

1. In these warranty terms and conditions:
  - (1) "Goldacres" or "Pathway" means Goldacres Trading Pty. Ltd. A.C.N. 061 306 732 of 1-3 North Western Rd., St. Arnaud. trading as Goldacres Agricultural Equipment (its successors and assigns) which is the seller of the Goods;
  - (2) "Purchaser" means the purchaser of the Goods;
  - (3) "Goods" means the product and, if any, the services provided;
  - (4) Nothing in these warranty 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 Trade Practices Act 1974) and which by law cannot be excluded, restricted or modified.

## General

2. (1) These warranty terms and conditions (which shall only be waived in writing signed by Goldacres/Pathway) shall prevail over all terms and conditions of the purchaser to the extent of any inconsistency.
- (2) **This warranty may not be modified or added to without the expressed written consent endorsed hereon of the Managing Director of Goldacres Trading P/L.**

## Warranty Terms

3. The warranty relating to the Goods and all other products sold and, if any, services sold or provided by Goldacres/Pathway are contained in these warranty terms and conditions, and additional terms and conditions as described by the documents "Pathway Forklifts warranty terms and conditions" or "Pathway Pumps warranty terms and conditions".

## Specifications, etc: Catalogues, etc: Quantities

4. All specifications, (without limiting the generality of same – including: 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/Pathway or form any claim against Goldacres/Pathway. 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 Purchaser, Goldacres/Pathway price is made on estimates of quantities required. Should there be any adjustments in quantities above or below the quantities estimated by Goldacres/Pathway 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 herein.

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

5. Any performance, volumes, and/or capacity figures given by Goldacres/Pathway are estimates only. Goldacres/Pathway 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 sole decision and responsibility of the purchaser and the user of the Goods. Goldacres/Pathway 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/Pathway 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.

## Limit of Liability

6. (1) Goldacres/Pathway liability for Goods manufactured by it is limited to making good any defects by repairing the same or at Goldacres/Pathway 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:
    - (a) the defects have arisen solely from faulty materials or workmanship;
    - (b) the Goods have not received maltreatment inattention or interference;
    - (c) accessories of any kind used by the purchaser are manufactured or approved by Goldacres/Pathway;
    - (d) **where applicable, the seals on the Goods remain unbroken;**
    - (e) there has been no improper adjustment, calibration or operation;
    - (f) the use of accessories including consumables, hardware or software (not manufactured by Goldacres/Pathway) has been approved in writing by Goldacres/Pathway;
    - (g) no contamination or leakage has been caused or induced;
    - (h) any modification to the Goods have been authorised in writing by Goldacres/Pathway;
    - (i) there has been no inadequate or incorrect use, storage, handling or application of the Goods;
    - (j) there has been no use or operation of the Goods outside of the physical, electrical or environmental specifications of the Goods;
    - (k) there has been no inadequate or incorrect site preparations;
    - (l) there has been no inadequate or improper maintenance of the Goods;
    - (m) it has not been caused by fair wear and tear; and
    - (n) 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
    - (o) 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
    - (p) 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/Pathway at the time of the warranty claim;
    - (q) the defective Goods or any damaged part of the Goods are promptly returned free of cost to Goldacres/Pathway or a representative of Goldacres/Pathway;
    - (r) all warranty related repairs have been carried out with the prior authorisation of Goldacres/Pathway;
  - (2) **if Goods or any part thereof are not manufactured by Goldacres/Pathway, in particular engines, engine accessories, transmissions, transfer cases, differentials, tyres, tubes, batteries and radios and UHF's, 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;**
  - (3) **in the case of hydraulic systems, Goldacres/Pathway shall replace defective parts in accordance with section 6(1) of these conditions, provided that the failure of the part was not related to contamination within the system, Goldacres/Pathway shall not be liable for labour in the case of repairing hydraulic system defects;**
  - (4) **this warranty does not extend to components considered as normal wear items including, but not limited to nozzles, chains, belts, filters, brake pads, polyethylene bushes and liquid pump valves, valve O-rings, diaphragms and seals;**
  - (5) **Goldacres/Pathway shall not be liable for and the purchaser releases Goldacres/Pathway from any claims in respect of faulty or defective design of any Goods supplied unless such a design has been wholly prepared by Goldacres/Pathway and the responsibility for any claim has been specifically accepted by Goldacres/Pathway in writing and in any event Goldacres/Pathway liability hereunder shall be strictly limited to the replacement of defective parts in accordance with paragraph 6 (1) of these conditions;**
  - (6) 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/Pathway 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/Pathway negligence or in any other way whatsoever;
  - (7) **this warranty shall only be available to the Purchaser and shall not be transferable by the Purchaser;**
  - (8) **this warranty in no way extends to any used Goods.**
7. Goldacres/Pathway liability for a breach of condition or warranty implied by Div. 2 of Pt. 5 of the Trade Practices Act 1974 (other than s 69) is hereby limited to:
    - (1) in the case of Goods, any one or more of the following:
      - (a) the replacement of the Goods or the supply of equivalent Goods;
      - (b) the repair of the Goods;
      - (c) the payment of the cost of replacing the Goods or acquiring the equivalent Goods;
      - (d) the payment of having the Goods repaired; or
    - (2) in the case of services;
      - (a) the supplying of the services again; or
      - (b) the payment of the cost of having the services supplied again.
  8. Goldacres/Pathway liability under s 68A and s 74H of the Trade Practices Act 1974 is expressly limited to a liability to pay to the purchaser an amount equal to:
    - (1) the cost of replacing the Goods;
    - (2) the cost of obtaining the equivalent Goods; or
    - (3) the cost of having the Goods repaired, whichever is the lowest amount.

# CONTENTS



# CHAPTER 1

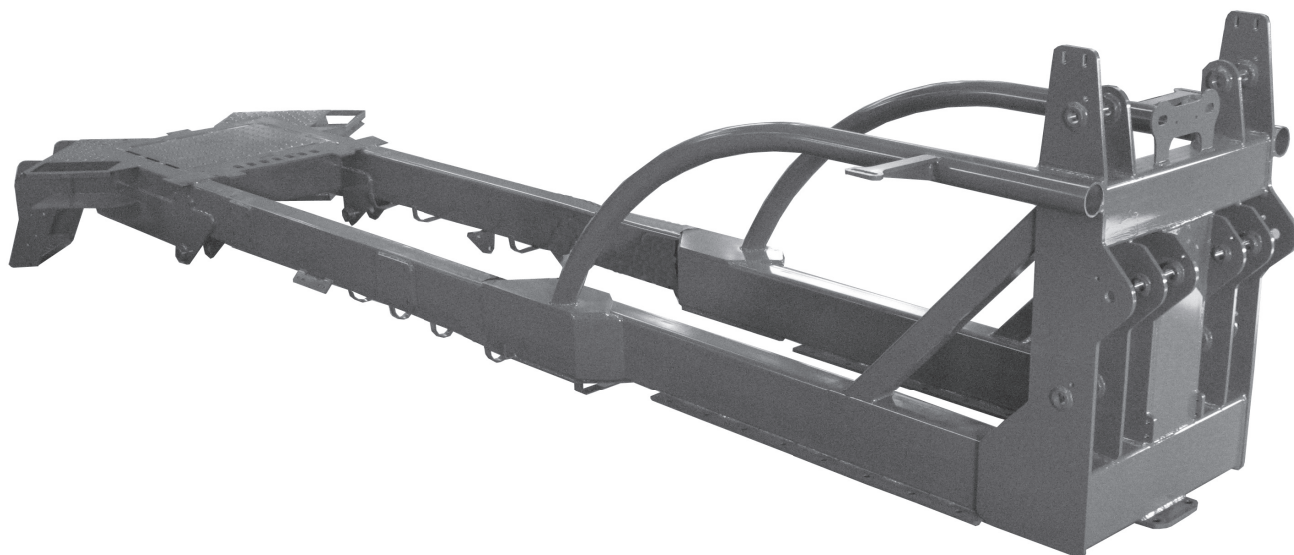
## CHASSIS



- Main Chassis . . . . . I-2
- Pull. . . . . I-3
- Drum Storgae Unit . . . . . I-4
- Hand Rails . . . . . I-5
- Jack . . . . . I-6
- H-Frame . . . . . I-7
- Boom Rests. . . . . I-8
- Steps . . . . . I-11
- Towbars . . . . . I-12

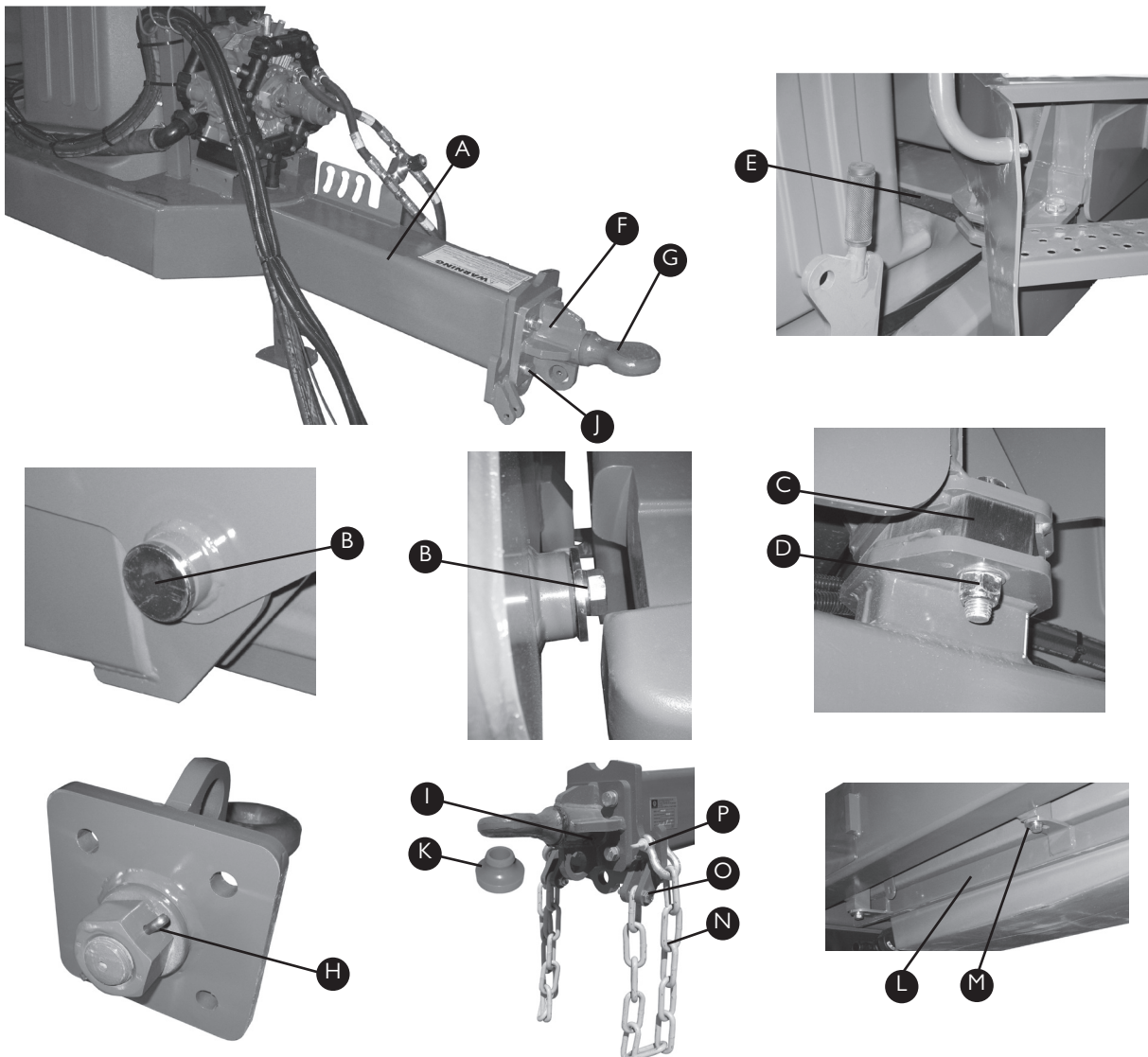
## MAIN CHASSIS

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Part No	Description
GA4652260	4/5000L Chassis
GA4652265	6500L Chassis

## PULL



Item	Part No	Description	Quantity
A	GA4652445	Pull	1
B-1	PCH-019MACH	Large Pull Pin	2
B-2	GA5011321	M20 x 50mm Bolt (ZP)	2
B-3	L073A	Large Washer	2
B-4	GA5001721	20mm Spring Washer	2
C	GA5061070	Black Urethane Spacer	2
D-1	GA5048355	M20 x 100mm Bolt (ZP)	4
D-2	GA5048125	M20 Nyloc Nut	4
D-3	GA5001741	20mm Washer S/S	8
E	GA4522385	Rinse Tank Retainer Strap	1
F	GA4652486	Tow Eye Housing	1
G	GA5016243	50mm Tow Eye with Nut	1
H	GA5051385	M8 x 125mm Split Pin	1
I	GA5050450	6mm Grease Nipple	1

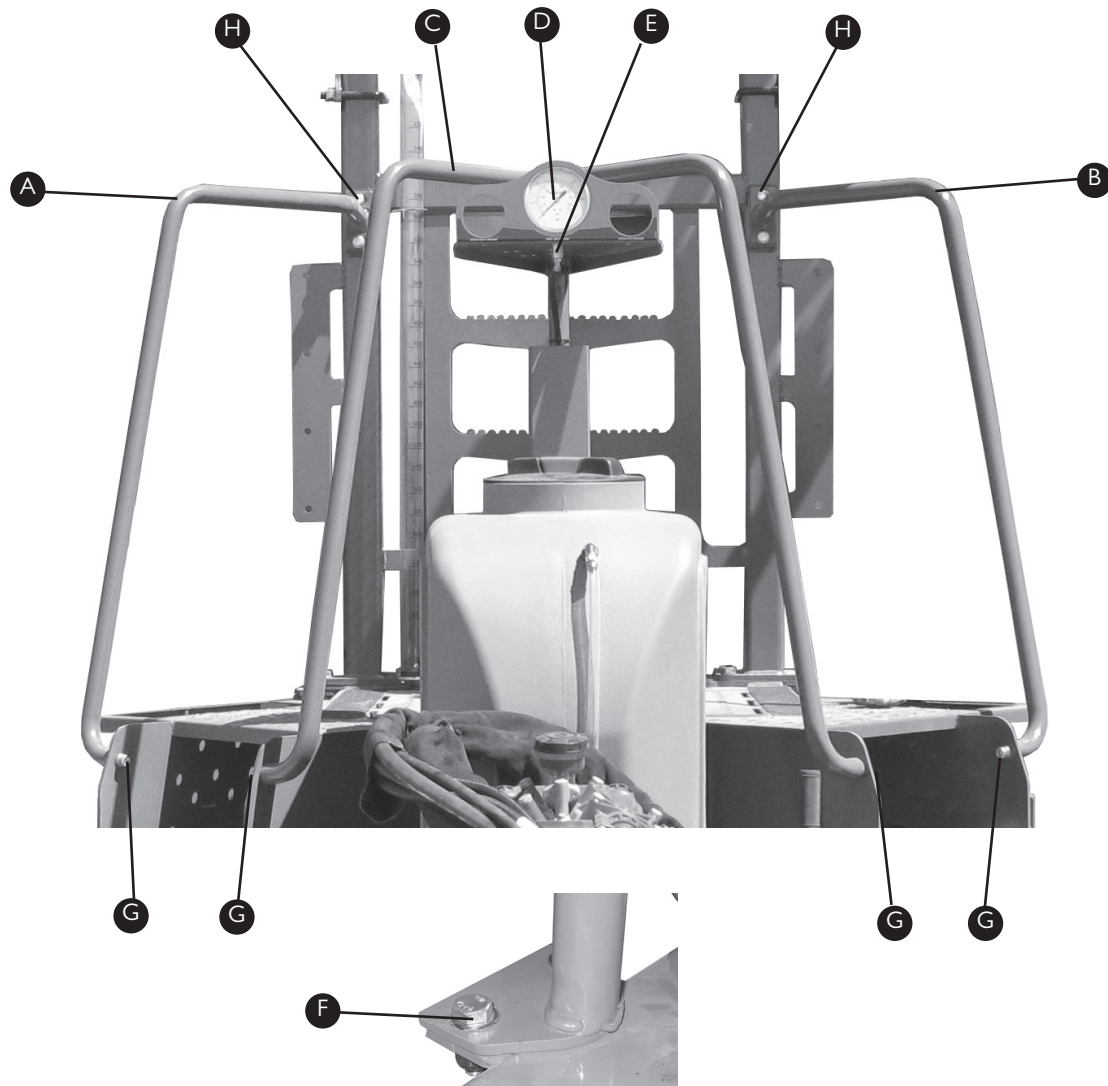
Item	Part No	Description	Quantity
J-1	GA5001565	M20 x 70mm Bolt (ZP)	4
J-2	GA5001721	20mm Spring Washer	4
J-3	GA5001741	20mm Washer S/S	4
K	GA4582455	1 1/4" Tow Eye Bush	1
L	GA4654320	Rinse Tank Cradle	1
M-1	GA5000311	M12 x 35mm Bolt	6
M-2	GA5000575	12mm Spring Washer	6
M-3	GA5000577	12mm Washer	6
N	GA5065030	Safety Chain (11 Links)	2
O-1	GA5011307	M16 x 80mm Bolt	2
O-2	GA5001029	M16 Nyloc Nut	2
O-3	GA5001043	16mm Washer	4
P	GA5000667	D Shackle	2

DRUM STORAGE UNIT



Item	Part No	Description	Quantity
A	GA4654461	Drum Storage Cradle	1
B-1	GA5000931	M16 x 50mm (ZP)	6
B-2	GA5001029	M16 Nyloc Nut	6
B-3	GA5001043	16mm S/S Washer	12

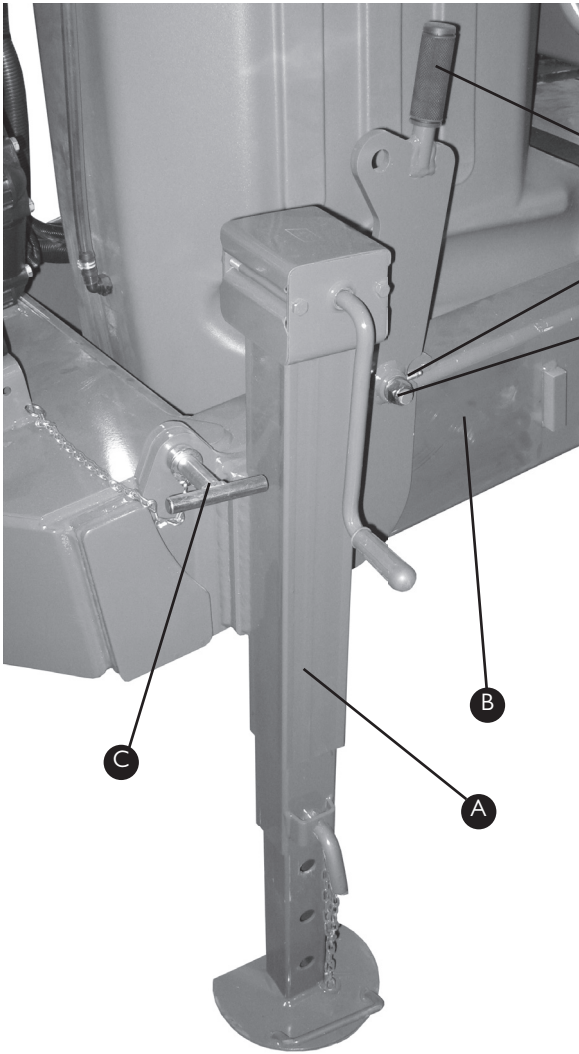
## HAND RAILS



Item	Part No	Description	Quantity
A	GA4654640	Right Hand Rail	1
B	GA4654645	Left Hand Rail	1
C	GA4654651	Centre Hand Rail	1
D	GA4948460	Pressure Gauge (160 PSI)	1
E-1	GA5015469	1/4" Straight Brass Fitting	1
E-2	GA5016233	1/4" Brass Elbow Fitting	1
E-3	GA5066235	14mm Washer (ZP)	1
F-1	GA5000305	M12 x 30mm Bolt	2

Item	Part No	Description	Quantity
F-2	GA5012461	M12 Nyloc Nut	2
F-3	GA5000577	12mm S/S Washer	4
G-1	GA5000297	M12 x 25mm Cap Screw	4
G-2	GA5000575	12mm Spring Washer	4
G-3	GA5000577	12mm S/S Washer	4
H-1	GA5000305	M12 x 30mm Bolt	4
H-2	GA5012461	M12 Nyloc Nut	4
H-3	GA5000577	12mm S/S Washer	8

JACK



Item	Part No	Description	Quantity
A	GA4656436	Jack	1
B	GA4522297	Jack Wear Plate (S/S)	1
C	GA4903052	T-Bolt with Chain	1
D-1	GA5001029	M16 Nyloc Nut	1
D-2	GA5001043	16mm S/S Washer	1
E	GA5066700	Hand Grip	1
F	GA5009639	1/4" UNF Grease Nipple	1



## H-FRAME



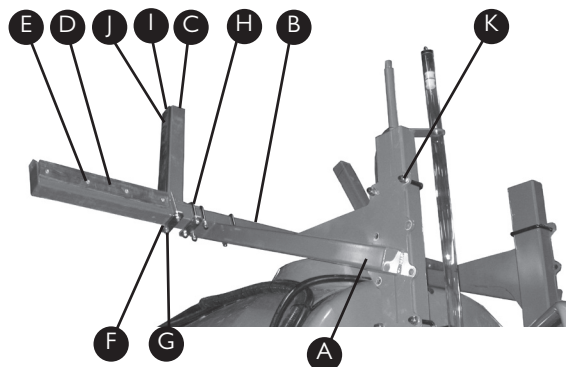
Item	Part No	Description	Quantity
A	GA4654180	H-Frame	1
B-1	GA5048975	Beacon Light	1
B-2	GA5020411	Screw in Beacon Insert	1
C-1	GA5000941	M16 x 60mm Bolt	4
C-2	GA5001029	M16 Nyloc Nut	4

Item	Part No	Description	Quantity
C-3	GA5001043	16mm S/S Washer	8
D-1	GA5000931	M16 x 50mm Bolt	4
D-2	GA5001029	M16 Nyloc Nut	4
D-3	GA5001043	16mm S/S Washer	8

## BOOM RESTS

### Boom rest to suit 18-24m delta boom (4000L only)

Item	Part No	Description	Quantity
A	GA4654216	Right Boom Rest	1
	GA4654217	Left Boom Rest	1
B	GA4654218	Boom Rest Cross Member	1
C	GA4654250	Boom Rest Upright	2
D	GA5014617	Boom Rest Rubber (350mm)	2
E	GA5000707	Tex Screw	16
F	F70107A	Upright Retainer Plate	4
G-1	GA5012461	M12 Nyloc Nut	4
G-2	GA500577	12mm Washer S/S	4
H-1	GA5011259	M12 x 76mm x 110mm U Bolt	6
H-2	GA5012461	M12 Nyloc Nut	12
H-3	GA5000577	12mm Washer S/S	12
I	GA5066630	Plastic Guide Plate	2
J	GA5051230	Screw	10
K-1	GA5011277	M16 x 127mm x 110mm U Bolt	4
K-2	GA5001029	M16 Nyloc Nut	8
K-3	GA5001043	16mm Washer S/S	8



### Step back boom rest to suit wide centre (MK2)\*

Item	Part No	Description	Quantity
A	GA4654242	Right Boom Rest	1
	GA4654243	Left Boom Rest	1
B	GA4654250	Boom Rest Upright	1
C	GA5014621	Boom Rest Rubber (550mm)	1
D	GA5000707	Tex Screw	8
E	F70107A	Upright Retainer Plate	2
F-1	GA5012461	M12 Nyloc Nut	2
F-2	GA500577	12mm Washer S/S	2
G-1	GA5011259	M12 x 76mm x 110mm U Bolt	1
G-2	GA5012461	M12 Nyloc Nut	2
G-3	GA5000577	12mm Washer S/S	2
H	GA5066630	Plastic Guide Plate <sup>#</sup>	1
I	GA5051230	Screw <sup>#</sup>	5
J-1	GA5011277	M16 x 127mm x 110mm U Bolt	3
J-2	GA5001029	M16 Nyloc Nut	6
J-3	GA5001043	16mm Washer S/S	6



\* Used when Weedseeker Cameras fitted to a 36m boom

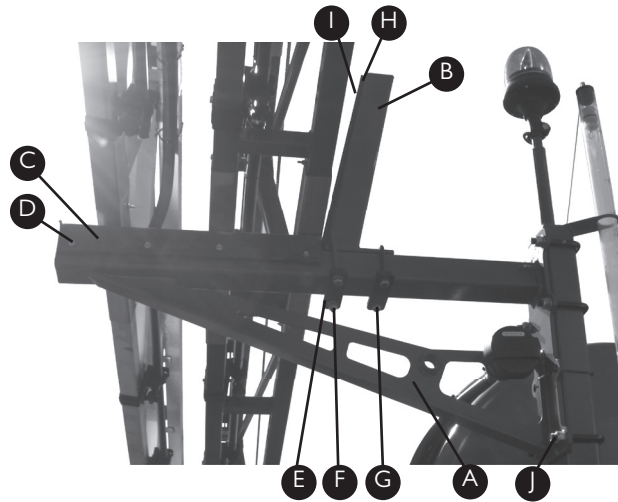
<sup>#</sup> Not Shown, hidden by boom



## BOOM RESTS

### Boom rest to suit wide centre (MK2)\*

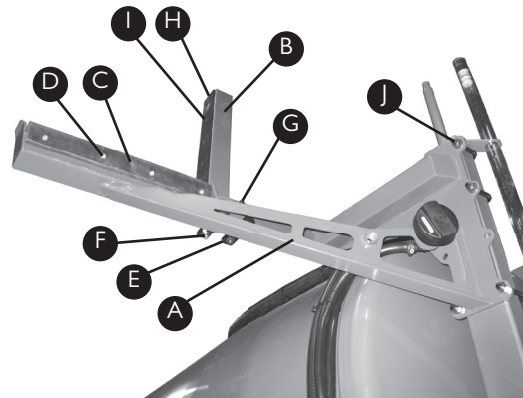
Item	Part No	Description	Quantity
A	GA4654210	Right Boom Rest	1
	GA4654215	Left Boom Rest	1
B	GA4654250	Boom Rest Upright	1
C	GA5014621	Boom Rest Rubber (550mm)	1
D	GA5000707	Tex Screw	8
E	F70107A	Upright Retainer Plate	2
F-1	GA5012461	M12 Nyloc Nut	2
F-2	GA500577	12mm Washer S/S	2
G-1	GA5011259	M12 x 76mm x 110mm U Bolt	1
G-2	GA5012461	M12 Nyloc Nut	2
G-3	GA5000577	12mm Washer S/S	2
H	GA5066630	Plastic Guide Plate	1
I	GA5051230	Screw	5
J-1	GA5011277	M16 x 127mm x 110mm U Bolt	3
J-2	GA5001029	M16 Nyloc Nut	6
J-3	GA5001043	16mm Washer S/S	6



\* Standard on 33-36m booms

### Large step back boom rest to suit wide centre (MK2)\*

Item	Part No	Description	Quantity
A	GA4654191	Right Boom Rest	1
	GA4654196	Left Boom Rest	1
B	GA4654250	Boom Rest Upright	1
C	GA5014621	Boom Rest Rubber (550mm)	1
D	GA5000707	Tex Screw	8
E	F70107A	Upright Retainer Plate	2
F-1	GA5012461	M12 Nyloc Nut	2
F-2	GA500577	12mm Washer S/S	2
G-1	GA5011259	M12 x 76mm x 110mm U Bolt	1
G-2	GA5012461	M12 Nyloc Nut	2
G-3	GA5000577	12mm Washer S/S	2
H	GA5066630	Plastic Guide Plate	1
I	GA5051230	Screw	5
J-1	GA5011277	M16 x 127mm x 110mm U Bolt	3
J-2	GA5001029	M16 Nyloc Nut	6
J-3	GA5001043	16mm Washer S/S	6

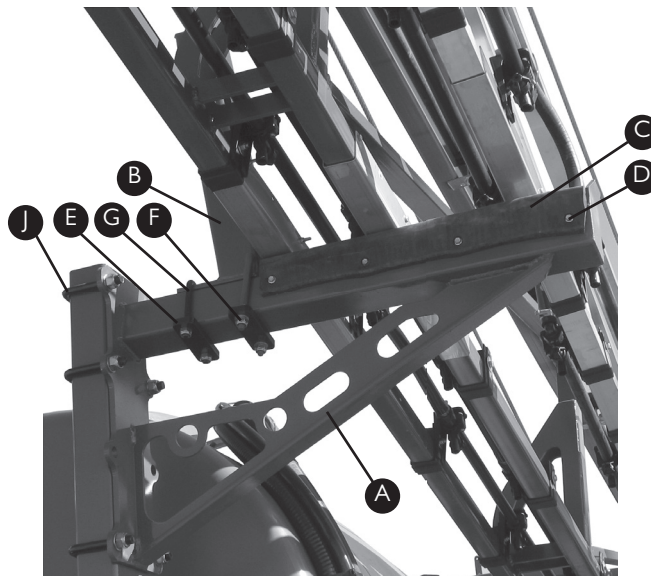


\* Standard on 24m booms fitted with weedseeker cameras

## BOOM RESTS

### Boom rest to suit narrow centre (MK3)\*

Item	Part No	Description	Quantity
A	GA4654200	Right Boom Rest	1
	GA4654205	Left Boom Rest	1
B	GA4654250	Boom Rest Upright	1
C	GA5014621	Boom Rest Rubber (550mm)	1
D	GA5000707	Tex Screw	8
E	F70107A	Upright Retainer Plate	2
F-1	GA5012461	M12 Nyloc Nut	2
F-2	GA500577	12mm Washer S/S	2
G-1	GA5011259	M12 x 76mm x 110mm U Bolt	1
G-2	GA5012461	M12 Nyloc Nut	2
G-3	GA5000577	12mm Washer S/S	2
H	GA5066630	Plastic Guide Plate <sup>#</sup>	1
I	GA5051230	Screw <sup>#</sup>	5
J-1	GA5011277	M16 x 127mm x 110mm U Bolt	3
J-2	GA5001029	M16 Nyloc Nut	6
J-3	GA5001043	16mm Washer S/S	6

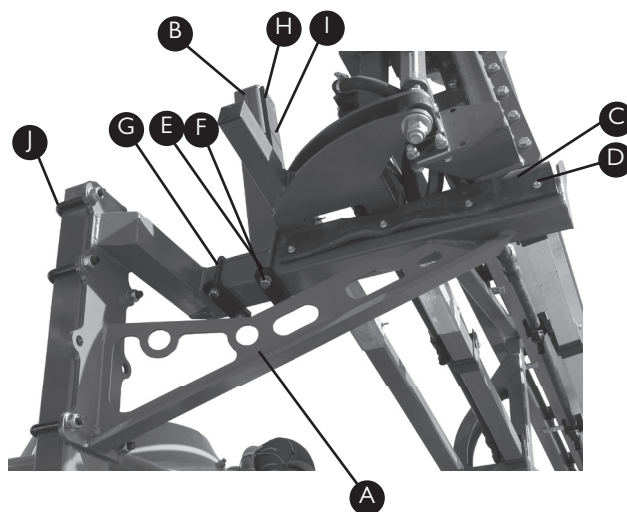


\* Standard on 28-30m booms

<sup>#</sup> Not shown, hidden by boom.

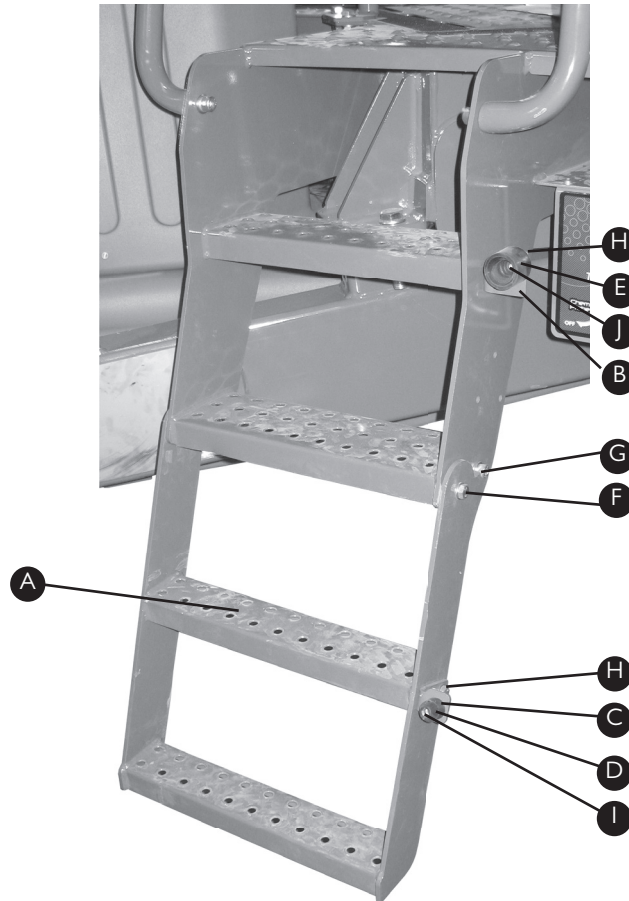
### Step back boom rest to suit narrow centre (MK3)\*

Item	Part No	Description	Quantity
A	GA4654190	Right Boom Rest	1
	GA4654195	Left Boom Rest	1
B	GA4654250	Boom Rest Upright	1
C	GA5014621	Boom Rest Rubber (550mm)	1
D	GA5000707	Tex Screw	8
E	F70107A	Upright Retainer Plate	2
F-1	GA5012461	M12 Nyloc Nut	2
F-2	GA500577	12mm Washer S/S	2
G-1	GA5011259	M12 x 76mm x 110mm U Bolt	1
G-2	GA5012461	M12 Nyloc Nut	2
G-3	GA5000577	12mm Washer S/S	2
H	GA5066630	Plastic Guide Plate	1
I	GA5051230	Screw	5
J-1	GA5011277	M16 x 127mm x 110mm U Bolt	3
J-2	GA5001029	M16 Nyloc Nut	6
J-3	GA5001043	16mm Washer S/S	6



\* Standard on 24m booms fitted to 4/5000L sprayers

## STEPS



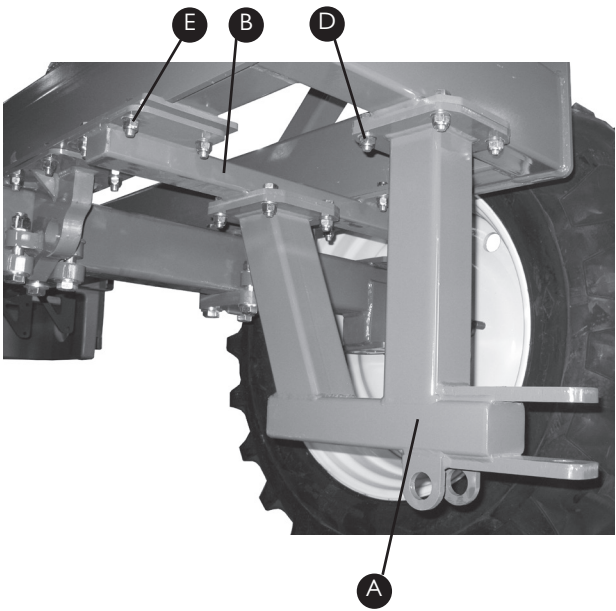
Item	Part No	Description	Quantity
A	GA4654582	Lower Steps	1
B	F70684A	Left Upper Catch Mount	1
	F70654A	Right Upper Catch Mount	1
C	GA4522617	Lower Catch Mount	1
D	GA5011607	Male Step Catch	1
E	GA5008629	Female Step Catch	1
F-1	GA5065455	M10 x 30mm Bolt	2
F-2	GA5000141	M10 Nyloc Nut	2
F-3	GA5000139	10mm Washer (ZP)	6
G-1	GA5011153	M10 x 20mm Cap Screw	2
G-2	GA5000141	M10 Nyloc Nut	2

Item	Part No	Description	Quantity
G-3	GA5000139	10mm Washer (ZP)	2
H-1	GA5065455	M10 x 30mm Bolt	4
H-2	GA5000141	M10 Nyloc Nut	4
H-3	GA5000139	10mm Washer (ZP)	8
I-1	GA5004079	M6 x 30mm Bolt	1
I-2	GA5048115	M6 Nyloc Nut	1
I-3	GA5004349	6mm Washer (ZP)	1
J-1	GA5004053	M6 x 20mm Button Head	
		Cap Screw	1
J-2	GA5048115	M6 Nyloc Nut	1
J-3	GA5004349	6mm Washer (ZP)	2

Note: Left side shown. All parts the same for the right side except for item B, then use second part number listed

TOWBARS

Towbar to suit Rigid Axle Sprayer			
Item	Part No	Description	Quantity
A	GA4655466	Towbar to suit Airbag Susp.	1
B	GA4655467	Towbar Mount for Rigid Axle	1
C	GA5051930	Towbar Pin with Chain	1
D-1	GA5000931	M16 x 50mm Bolt	8
D-2	GA5001029	M16 Nyloc Nut	8
D-3	GA5001043	16mm Washer S/S	16
E-1	GA5000931	M16 x 50mm Bolt	4
E-2	GA5001029	M16 Nyloc Nut	4
E-3	GA5001043	16mm Washer S/S	8



Towbar to suit Airbag Axle Sprayer			
Item	Part No	Description	Quantity
A	GA4655466	Towbar to suit Airbag Susp.	1
B	GA5051930	Towbar Pin with Chain	1
C-1	GA5000931	M16 x 50mm Bolt	8
C-2	GA5001029	M16 Nyloc Nut	8
C-3	GA5001043	16mm Washer S/S	16

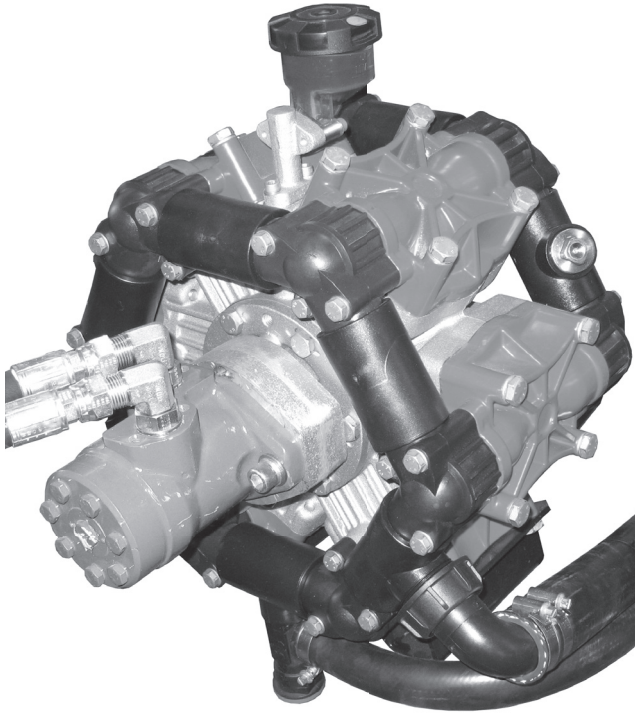
Towbar to suit Rigid Axle Tanker			
Item	Part No	Description	Quantity
A	GA4655466	Towbar to suit Airbag Susp.	1
B	GA4655468	Towbar Mount for Tanker	1
C	GA5051930	Towbar Pin with Chain	1
D-1	GA5000931	M16 x 50mm Bolt	8
D-2	GA5001029	M16 Nyloc Nut	8
D-3	GA5001043	16mm Washer S/S	16
E-1	GA5000931	M16 x 50mm Bolt	8
E-2	GA5001029	M16 Nyloc Nut	8
E-3	GA5001043	16mm Washer S/S	16

Note: The axle on a tanker is further forward than on a standard rigid axle sprayer.

Note: Rigid axle tanker is shown in picture. All other tow bars fit up in a very similar way to this

# CHAPTER 2

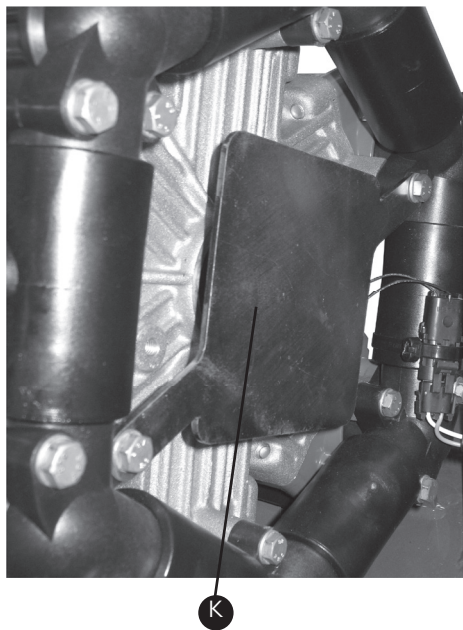
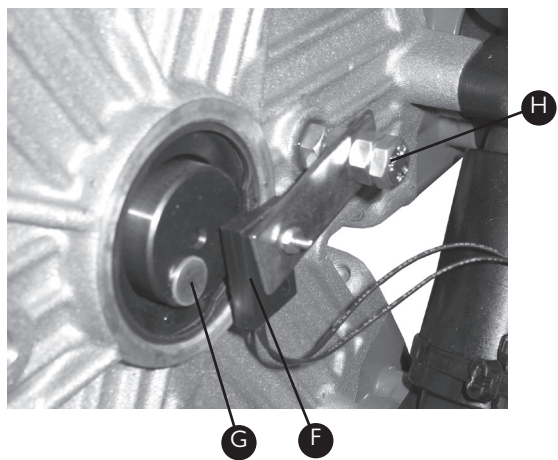
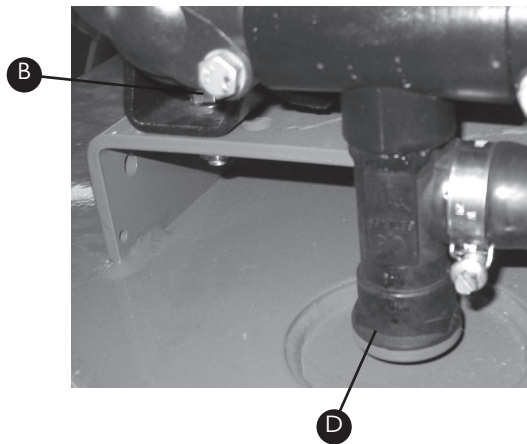
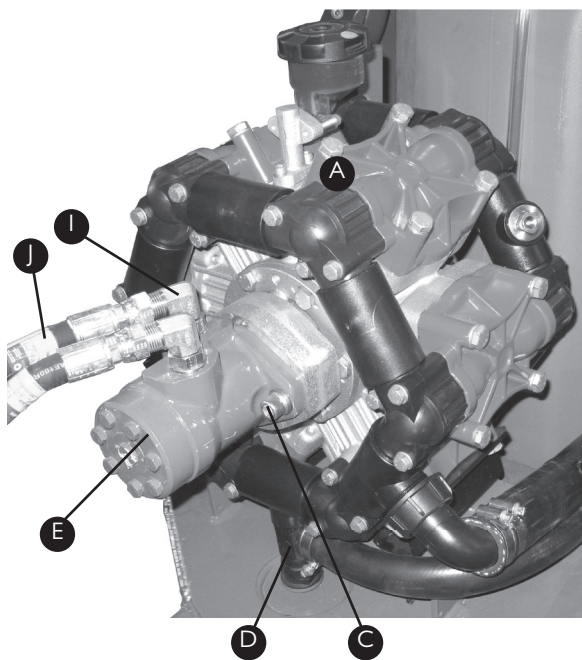
## PUMPS



Hydraulic Drive Pumps . . . . .	2-2
Hydraulic Hose Kit . . . . .	2-3
PTO Drive Pumps . . . . .	2-4
160l/min Pump Breakdown . . . . .	2-5
250l/min Pump Breakdown . . . . .	2-7



HYDRAULIC DRIVE PUMPS



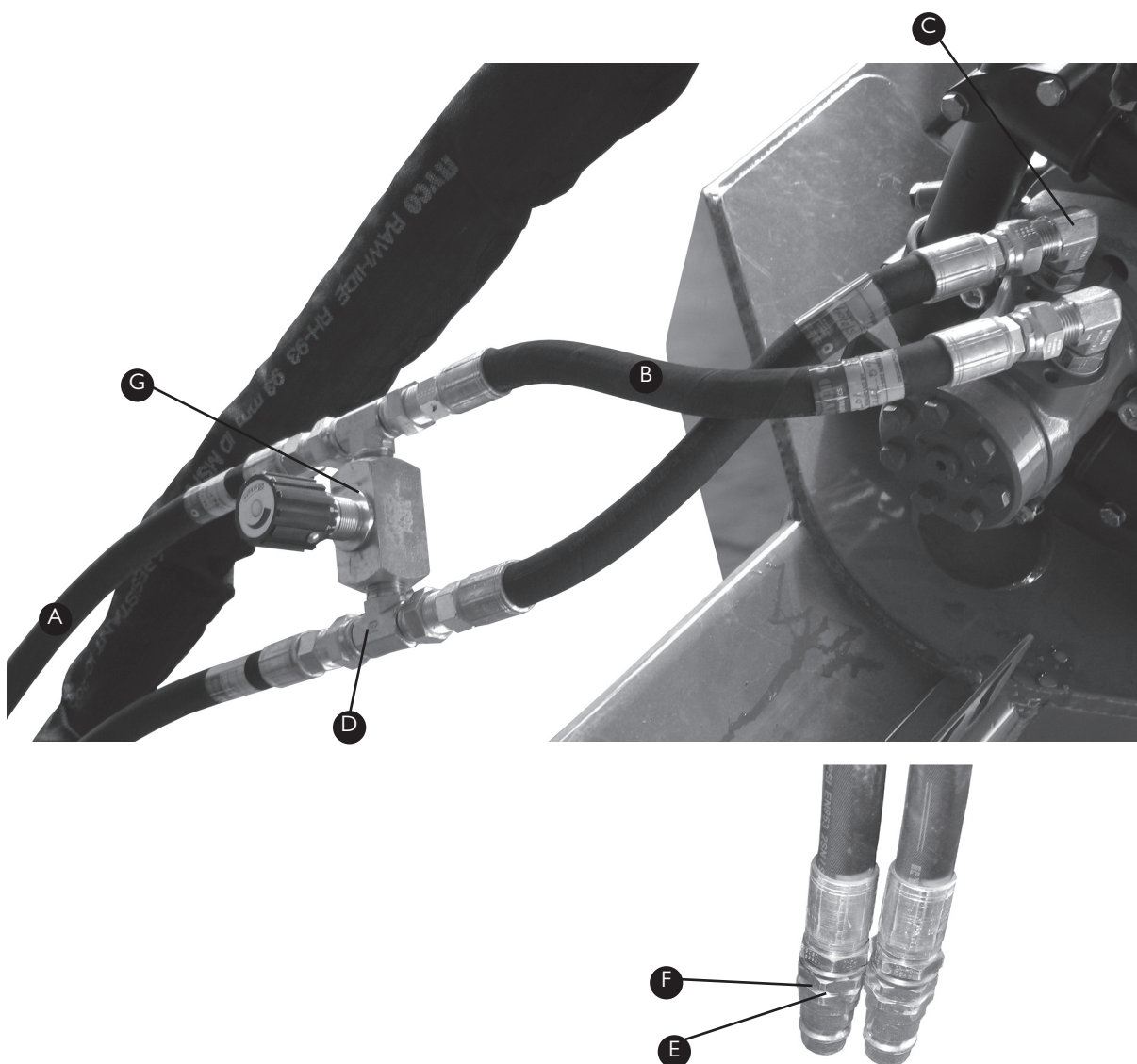
Kit Part No GA4900663-PA-EF

Item	Part No	Description	Quantity
A	RO160MI	160L Pump (Hydraulic Drive)	1
	GA5078111	250L Pump (Hydraulic Drive)	1
B-1	GA5065455	M10 x 30mm Bolt	4
B-2	GA5000141	M10 Nyloc Nut	4
B-3	GA5000139	10mm Washer (ZP)	4
B-4	GA5002627	3/8" x 27mm x 3mm Washer	4
C-1	GA5000321	M12 x 40mm Cap Screw	2
C-2	GA5000575	12mm Spring Washer	2
C-3	GA5000577	12mm Flat Washer	2
D	GA5077008	3/4" Safety Valve	1

Item	Part No	Description	Quantity
E	GA5047515	Hydraulic Motor (80cc)	1
F	GA5076307	Speed Sensor (SCS4400/4070)*	1
	GA5076331	Speed Sensor (SCS440/450)*	1
G	GA5016169	Magnet	1
H-1	GA5048655	M8 x 40mm Bolt	1
H-2	GA5011499	M8 Plain Nut	2
I	GA3500323	90 Degree Elbow	2
J	GA5067185-EF	Hydraulic Hose Kit	1
K	PUMPCOVER250	Pump cover for 250L Pump	1
	PUMPCOVER	Pump Cover for 160L Pump	1

\* Please select correct one for your console. Incorrect part will result in inaccurate readouts.

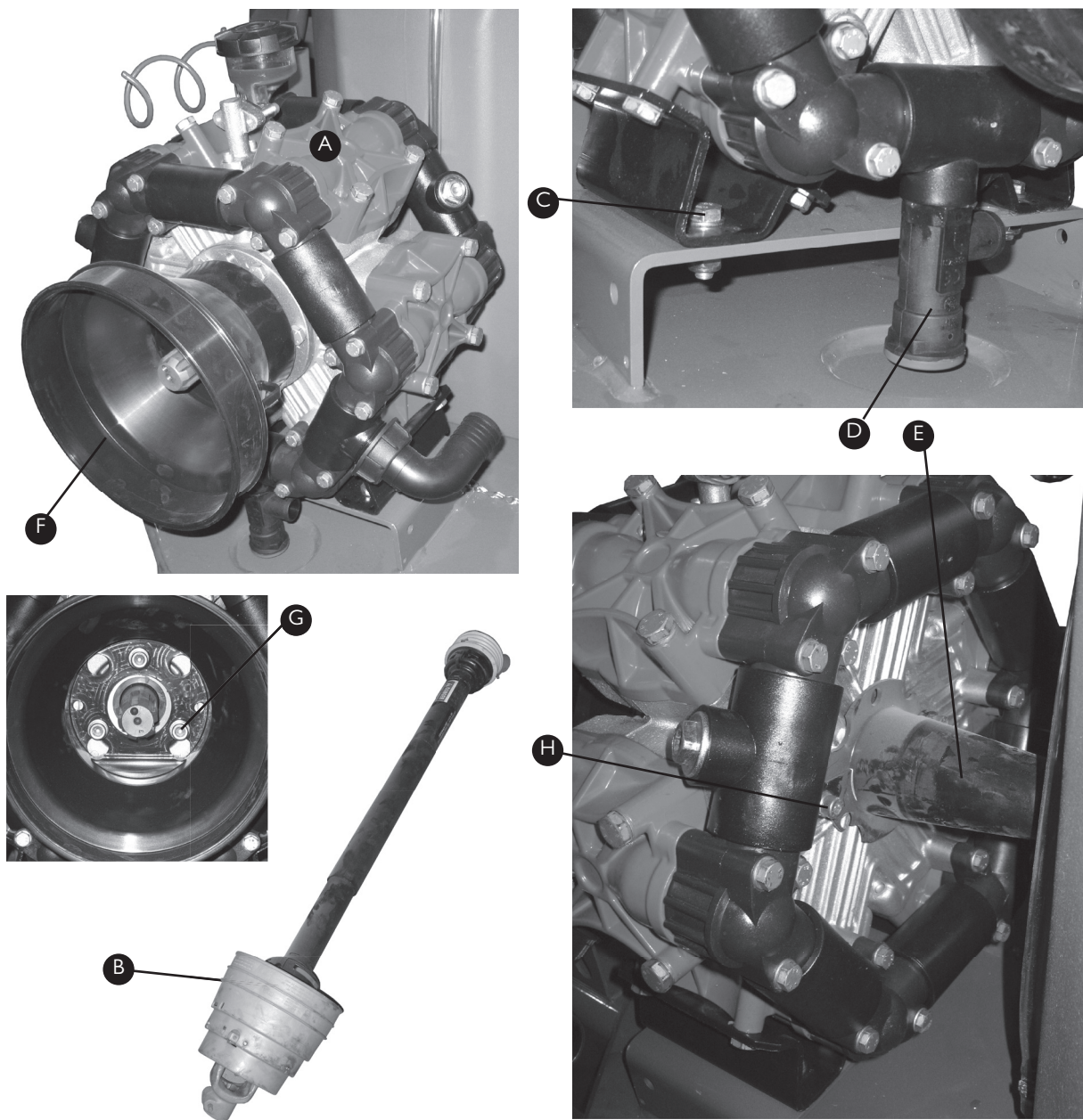
## HYDRAULIC HOSE KIT



Kit Part No GA5067185-EF

Item	Part No	Description	Quantity
A	HL-08-EF	2100mm long Hydraulic Hoses	2
B	HL-09	300mm Long Hydraulic Hoses	2
C	GA3500323	90 Degree Hydraulic Elbow	2
D	GA3500336	Hydraulic Tee	2
E	GA5078000	Hydraulic Male Fitting	2
F	GA5078084	O-ring	2
G	GA5018221	1/2" Needle Valve	1

PTO DRIVE PUMPS



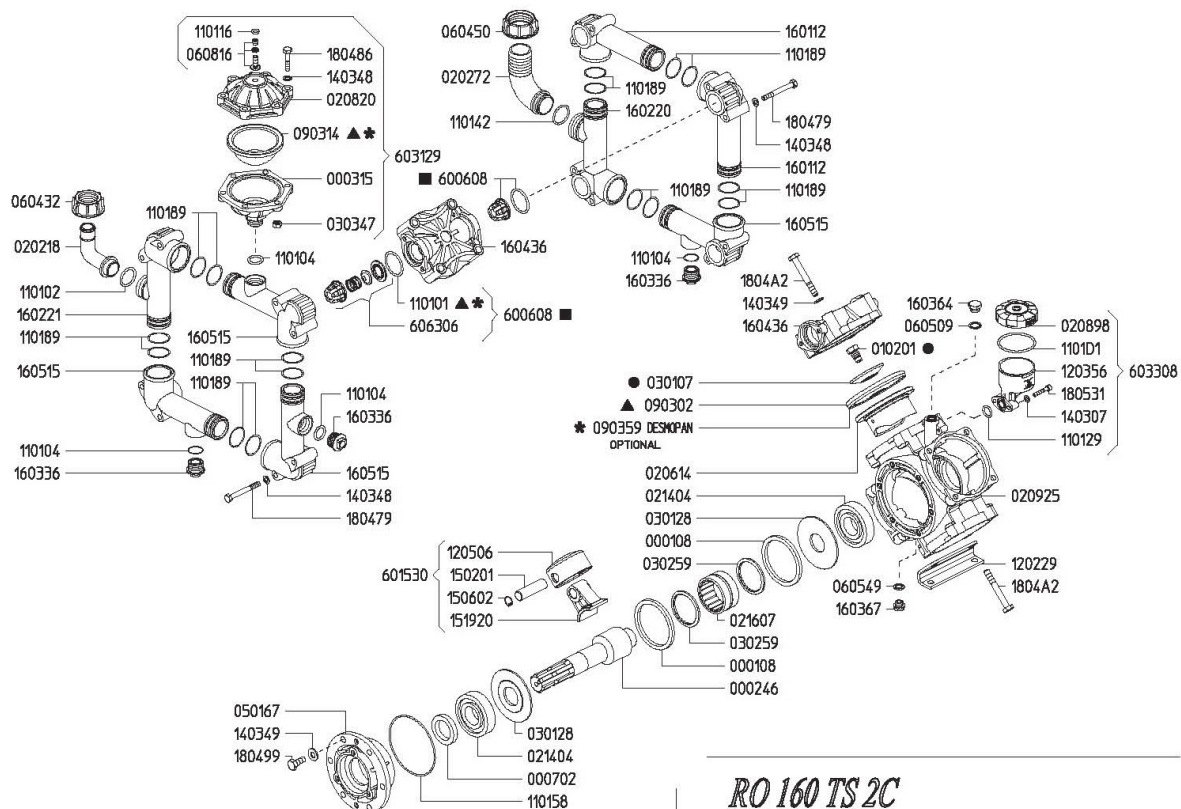
Item	Part No	Description	Quantity
A	R01601C	Pump 160L (Shaft Drive)	1
	R02502C	Pump 250L (Shaft Drive)	1
B	GA5013511	PTO Wide Angle Shaft	1
C-1	GA5065455	M10 x 30mm Bolt	4
C-2	GA5000141	M10 Nyloc Nut	4
C-3	GA5000139	10mm Washer	4
C-4	GA5002627	3/8" x 27mm x 3mm Washer	4
D	GA5077008	3/4" Safety Valve	1

Item	Part No	Description	Quantity
E	GA5013499	PTO Protector for rear of Pump	1
F	GA5013499	PTO Cover	1
G-1	GA5006127	M10 x 25 Cap Screw	3
G-2	GA5000139	10mm Flat Washer	3
G-3	GA5000137	10mm Spring Washer	3
H-1	GA5004711	M8 x 25mm Bolt	2
H-2	GA5004913	8mm Flat Washer	2
H-3	GA5004921	8mm Spring Washer	2

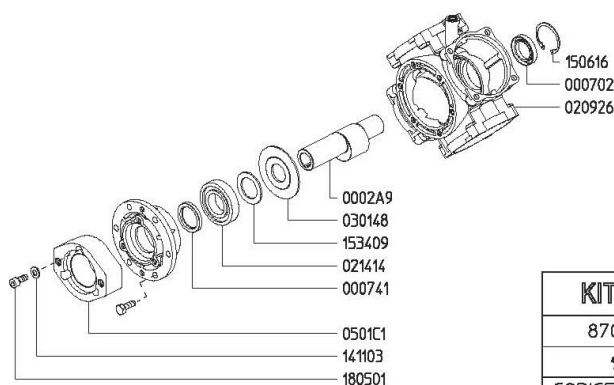


# I 60L/MIN PUMP BREAKDOWN

## RO 160 1C

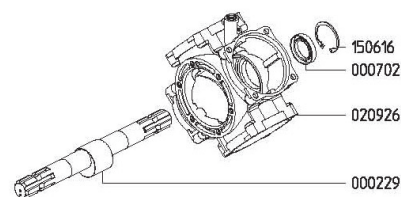


## RO 160 MI-1"



Variente versione MI-1" rispetto alla RO 160 1C  
Variables of version MI-1" compared to RO 160 1C

## RO 160 TS 2C



Variente versione TS 2C rispetto alla 1C  
Variables of version TS 2C compared to 1C

KIT 626		KIT 520		KIT 521		KIT 523	
870009		606221		606222		606224	
*		▲		■		●	
CODICE CODE	Q.TA' Q.TY	CODICE CODE	Q.TA' Q.TY	CODICE CODE	Q.TA' Q.TY	CODICE CODE	Q.TA' Q.TY
090314	1	090302	4	600608	8	010201	4
090359	4	090314	1			030107	4
110101	8	110101	8				

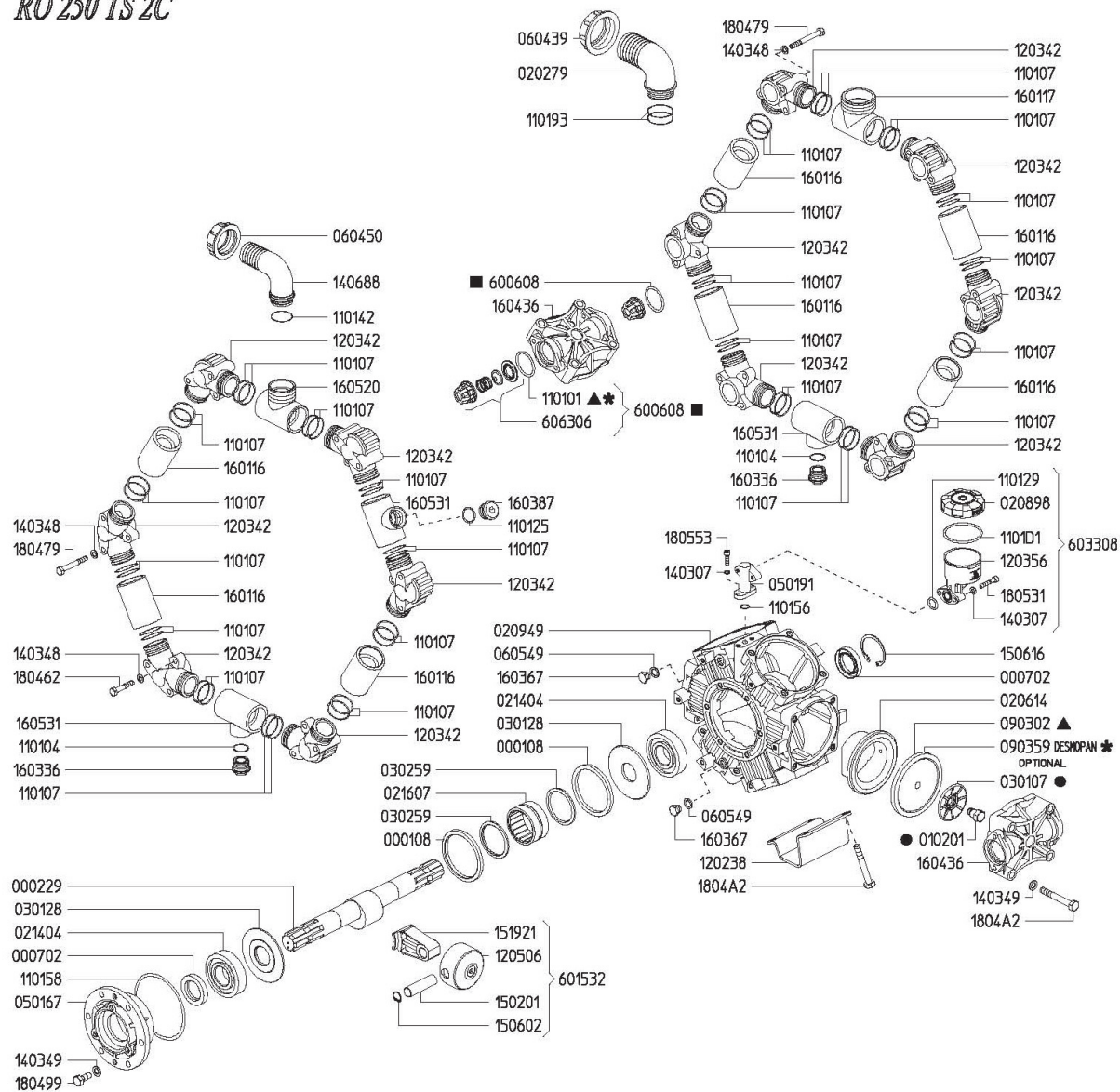
## 160L/MIN PUMP PARTS LIST

Part No	Description	Part No	Description
000108	Retainer Ring "RO 160"	110129	O-Ring D.16,20x3 (RIF . 222162)
000229	Shaft "Beta/RO 160/250" (9) TS 2C	110142	O-Ring D.32,00x3 (RIF . 3832)
000246	Shaft "RO 160" (9) IC	110158	O-Ring D.110x2,5 (RIF . 115110)
0002A9	Shaft "RO 160/250" (9) MI D.1"	110189	O-Ring D.36,10x3,53 (RIF . 4143)
000315	Pressure Accumulator	1101D1	O-Ring D.58,42x2,62 (RIF . 3231)
000702	Oil Seal D.35x55x10	120229	Base Plate "RO 160/180"
000741	Oil Seal D.40x55x7	120356	Oil Reservoir
010201	Diaphragm Bolt "RO/Kappa"	120506	Aluminium Plunger D.75 "RO/Kappa 120"
020218	Hose Barb D.25	140307	Washer D.6,4x12x1,6
020272	Hose Barb D.40	140348	Washer D.8,4x16x1,6
020614	Sleeve D.75 "RO 110/160/250"	140349	Washer D.10,5x18x1,6
020820	Accumulator Cover "RO"	141103	Schnorr Washer D.10
020898	Oil Reservoir Cover	150201	Pin D.18x64
020925	Crankcase "RO 160"	150602	Snap Ring D.18
020926	Crankcase "RO 160/180" TS	150616	Snap Ring D.55
021404	Ball Bearing 6307 D.35x80x21	151920	Connecting Rod "Omega 135/RO 160"
021414	Ball Bearing D.40x80x18 6208	153409	Disc "RO 160/250" MI
021607	Roller Bearing NK55-35 D.55x68x35	160112	Inlet-Outlet Hose "RO 160/180"
030107	Diaphragm Disc "RO/Kappa 120/150"	160220	Suction Hose G1" 1/2 M "RO 160/180"
030128	Rod Disc "RO 160/180/210/250"	160221	Outlet Hose G1" 1/4 M "RO 160/180"
030148	Rod Disc "RO 160/250" OMR80	160336	Plug G3/4
030259	Rod Spacer "RO 160/250"	160364	Brass Plug G3/8
030347	Hexagonal Nut M8x8 UNI5587	160367	AVP Plug G1/4
050167	Bushing Flange "Omega 135/RO 160/250"	160436	Head "RO 110...250" RED
0501C1	Flange "RO 160/250" MI	160515	Inlet-Outlet Hose G3/4 F "RO 160/180"
060432	Plastic Nut G1" 1/4	180479	Hex Screw M8x70 UNI5737 DACROMET
060450	Plastic Nut G1" 1/2	180486	Hex Screw M8x40 UNI5737 DACROMET
060509	Gasket D.17x22x1,5	180499	Hex Screw M10x25 UNI5739 DACROMET
060549	Gasket D.13x19x1,5	1804A2	Hex Screw M10x75 UNI5737 DACROMET
060816	Air Valve Assembly	180501	Allen Screw M10x25 UNI5931
090302	Piston Diaphragm "RO70...250" D.116	180531	Allen Screw M6x30 UNI5931 DACROMET
090314	Accumulator Diaphragm "Kappa/RO"	600608	Valve Assy "RO/Omega/Beta"
090359	Piston Diaphragm "Kappa 120/150" D.115,4	601530	Rod Assy "RO 160/180" D.75
110101	O-Ring D.39,69x3,53 (RIF . 144)	603129	Press. Accumulator Assy "RO"
110102	O-Ring D.29,75x3,53 (RIF . 4118)	603308	Oil Reservoir Assy "RO"
110104	O-Ring D.20,63x2,62 (RIF . 128)	606306	Valve Assy "RO 70...250" W/T O-ring
110116	O-Ring D.6,00x3 (RIF . 1263)		

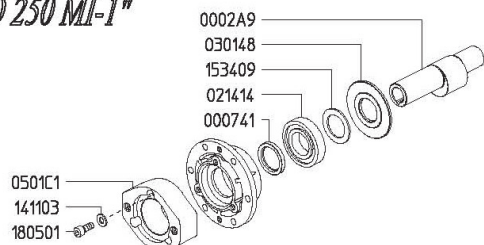
Please note that on pump parts minimum order quantities may apply.

## 250L/MIN PUMP BREAKDOWN

RO 250 TS 2C



RO 250 MI-1"



Variante versione MI-1" rispetto alla TS 2C  
*Variables of version MI-1" compared to TS 2C*

KIT 592		KIT 524		KIT 525		KIT 527	
606292		606225		606226		606228	
✱		▲		■		●	
CODICE CODE	Q.TA' Q.TY	CODICE CODE	Q.TA' Q.TY	CODICE CODE	Q.TA' Q.TY	CODICE CODE	Q.TA' Q.TY
090359	6	090302	6	600608	12	010201	6
110101	12	110101	12			030107	6

## 250L/MIN PUMP PARTS LIST

Part No	Description	Part No	Description
000108	Retainer Ring "RO 160"	1101D1	O-Ring D.58,42x2,62 (RIF . 3231)
000229	Shaft "Beta/RO 160/250" (9) TS 2C	120238	Base Plate "RO 210/250"
0002A9	Shaft "RO 160/250" (9) MI D.1"	120342	Inlet-Outlet Elbow "RO 210/250"
000702	Oil Seal D.35x55x10	120356	Oil Reservoir
000741	Oil Seal D.40x55x7	120506	Aluminium Plunger D.75 "RO/Kappa 120"
010201	Diaphragm Bolt "RO/Kappa 120"	140307	Washer D.6,4x12x1,6
020279	Hose Barb D.50	140348	Washer D.8,4x16x1,6
020614	Sleeve D.75 "RO 110/160/250"	140349	Washer D.10,5x18x1,6
020898	Oil Reservoir Cover	140688	Hose Barb D.38
020949	Crankcase "RO 210/250"	141103	Schnorr Washer D.10
021404	Ball Bearing 6307 D.35x80x21	150201	Pin D.18x64
021414	Ball Bearing D.40x80x18 6208	150602	Snap Ring D.18
021607	Roller Bearing NK55-35 D.55x68x35	150616	Snap Ring D.55
030107	Diaphragm Disc "RO/Kappa 120/150"	151921	Connecting Rod "RO 210/250"
030128	Rod Disc "RO 160/180/210/250"	153409	Disc "RO 160/250" MI
030148	Rod Disc "RO 160/250" OMR80	160116	Inlet-Outlet Hose "RO 210/250"
030259	Rod Spacer "RO 160/250"	160117	Suction Hose G2" M "RO210/250"
050167	Bushing Flange "Omega 135/RO 160/250"	160336	Plug G3/4
050191	Oil Cup Support Flange "RO 210/250"	160367	AVP Plug G1/4
0501C1	Flange "RO 160/250" MI	160387	Plug G3/4
060439	Plastic Nut G2"	160436	Head "RO 110...250" RED
060450	Plastic Nut G1" 1/2	160520	Outlet Hose G1" 1/2 M "RO 210/250"
060549	Gasket D.13x19x1,5	160531	Inlet-Outlet Hose G3/4" F "RO 210/250"
090302	Piston Diaphragm "RO 70...250" D.116	180462	Hex Screw M8x30 UNI5739 DACROMET
090359	Piston Diaphragm "Kappa 120/150" D.115,4	180479	Hex Screw M8x70 UNI5737 DACROMET
110101	O-Ring D.39,69x3,53 (RIF . 144)	180499	Hex Screw M10x25 UNI5739 DACROMET
110104	O-Ring D.20,63x2,62 (RIF . 128)	1804A2	Hex Screw M10x75 UNI5737 DACROMET
110107	O-Ring D.34,52x3,53 (RIF . 4137)	180501	Allen Screw M10x25 UNI5931
110125	O-Ring D.20,22x3,53 (RIF . 4081)	180531	Allen Screw M6x30 UNI5931 DACROMET
110129	O-Ring D.16,20x3 (RIF . 222162)	180553	Allen Screw M6x22 UNI5931 DACROMET
110142	O-Ring D.33,00x3 (RIF . 3832)	600608	Valve Assy "RO/Omega/Beta"
110156	O-Ring D.12,37x2,62 (RIF . 3050)	601532	Rod Assy "RO 250" D.75
110158	O-Ring D.110,0x2,5 (RIF . 115110)	603308	Oil Reservoir Assy "RO"
110193	O-Ring D.42,52x2,62 (RIF . 3168)	606306	Valve Assy "RO 70...250" W/T O-Ring

Please note that on pump parts minimum order quantities may apply.

# CHAPTER 3

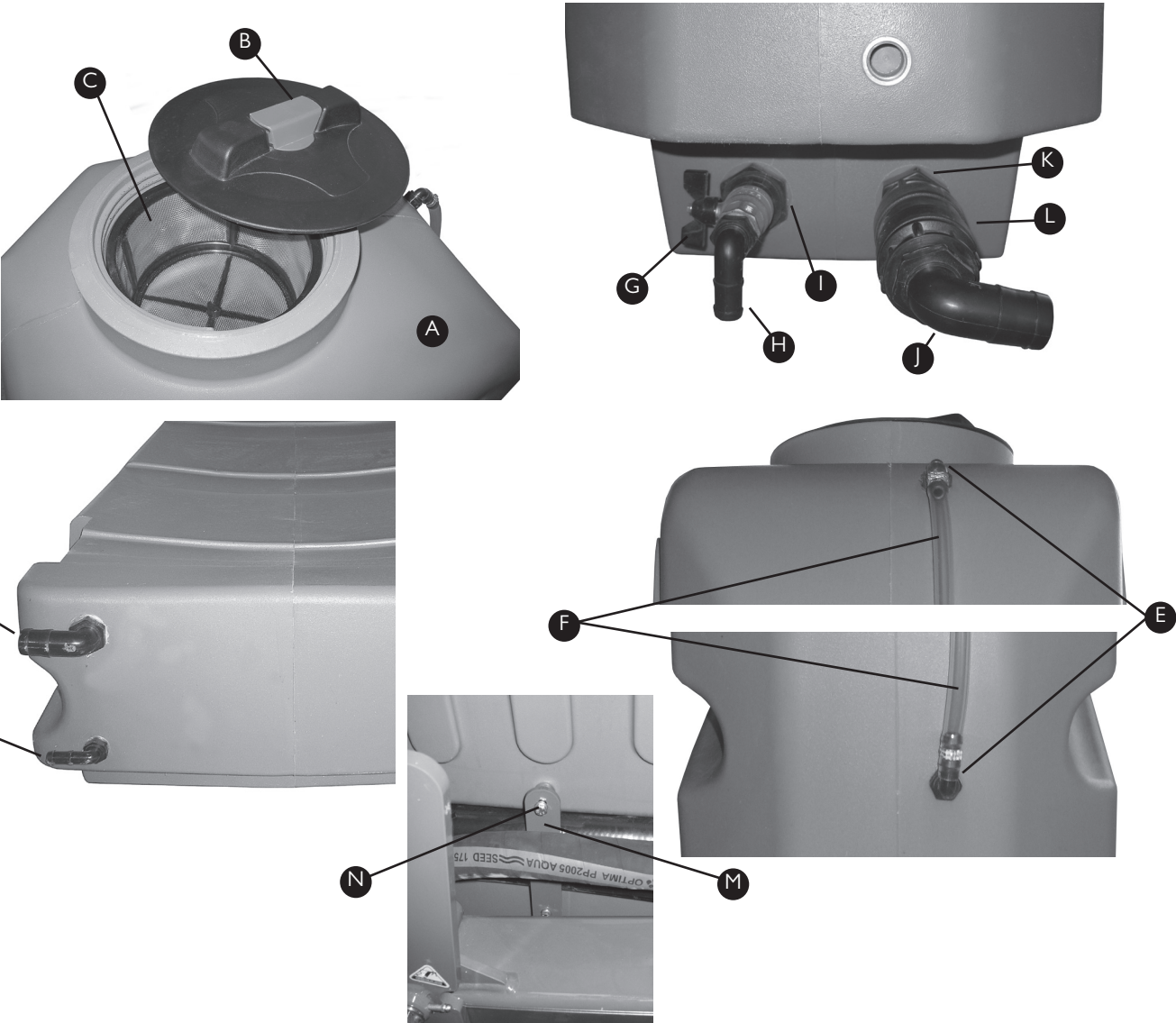
## 400L FLUSH TANK

400L Flush Tank Components . . . . .3-2





400L FLUSH TANK COMPONENTS



Assembly Part No: GA4903087-EF			
Item	Part No	Description	Quantity
	GA4654320*	Rinse tank frame	1
A	GA5018367	400L Rinse Tank	1
B	GA5076882	Small Lid D255 c/w breather	1
C	GA5076713	Basket Filter D.204x115	1
D	GA5077723	1" Hose Barb Elbow	1
E	GA5077708	1/2" Hose barb elbow	3
F-1	GA2000209	12mm Sight Tube	0.72m
F-2	GA5007231	Cobra Clamp	2
G	GA5018315	20mm Ball Valve	1

Item	Part No	Description	Quantity
H	GA5077717	3/4" Hose Barb Elbow	1
I	GA5078017	Reducing Bush 1 1/2" x 3/4"	1
J	GA5077730	1 1/4" Hose Barb Elbow	1
K	GA5078093	Nipple 1 1/2" x 1 1/4"	1
L	GA5017361	1 1/4" Check Valve	1
M	F70681A	Hose Strap for Belly Tank	2
N-1	GA5011409	M6 x 35mm Bolt	4
N-2	GA5004437	6mm Washer S/S	4
N-3	GA4552075	Crush Tube	4

\* Item shown in Chassis (Chapter 1)

# CHAPTER 4

## RH POD



Complete Pre-Assembled Pods . . . . .	4-2
Pod Frame . . . . .	4-3
Plastic Pod and Mounting Hardware . . . . .	4-4
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## COMPLETE PRE-ASSEMBLED PODS



### Complete Pre-Assembled Pods for Non-Joystick Models

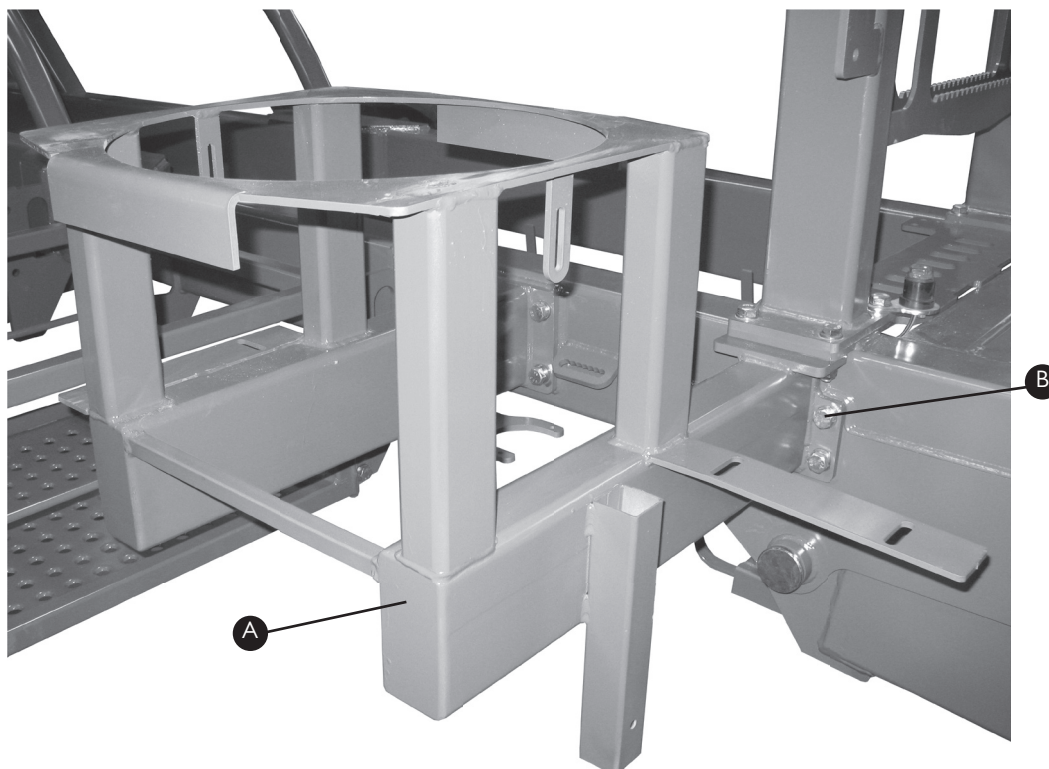
Part No	Description
GA4903118-BARE	Pod with No Airbag
	Suspension or Foam Marker
	Compressors
GA4903118-F-NA	Pod with Foam Marker and
	No Airbag Suspension
	Compressors
GA4903118	Pod with Airbag Suspension
	and No Foam Marker
	Compressors
GA4903118-F	Pod with Airbag Suspension
	and Foam Marker
	Compressor

### Complete Pre-Assembled Pod for Joystick Models

Part No	Description
GA4903119	Pod with Airbag Suspension
	and No Foam Marker
	Compressors
GA4903119-F	Pod with Airbag Suspension
	and Foam Marker
	Compressor

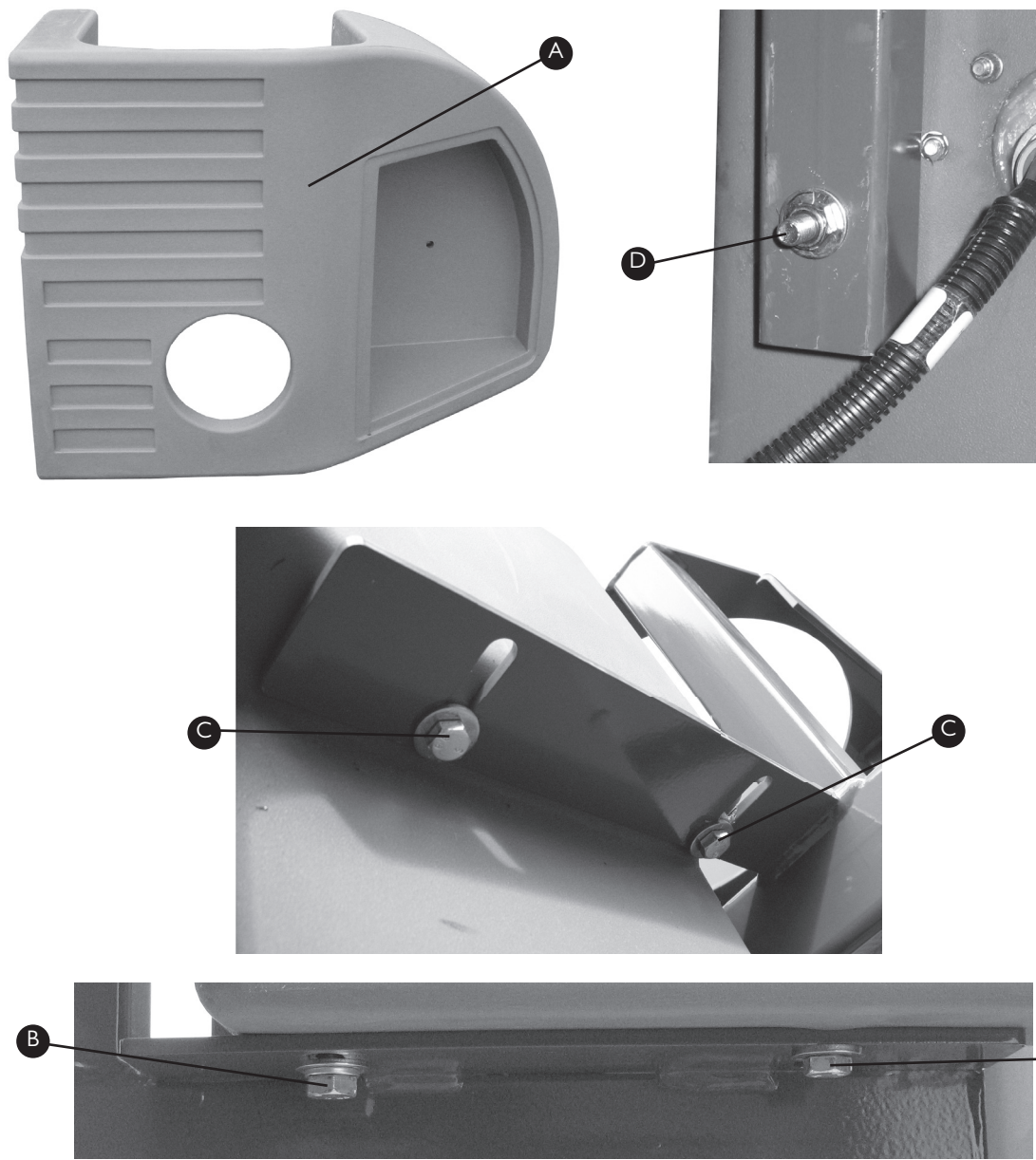


## POD FRAME



Item	Part No	Description	Quantity
A	GA4654410	Right Hand Pod Frame	1
B-1	GA5000903	M16 x 25mm Bolt	8
B-2	GA5001043	16mm Washer	8
B-3	GA5001051	16mm Spring Washer	8

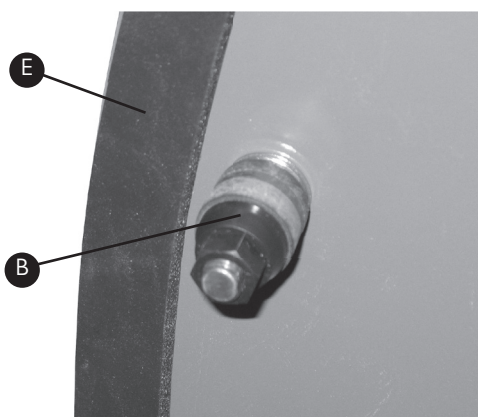
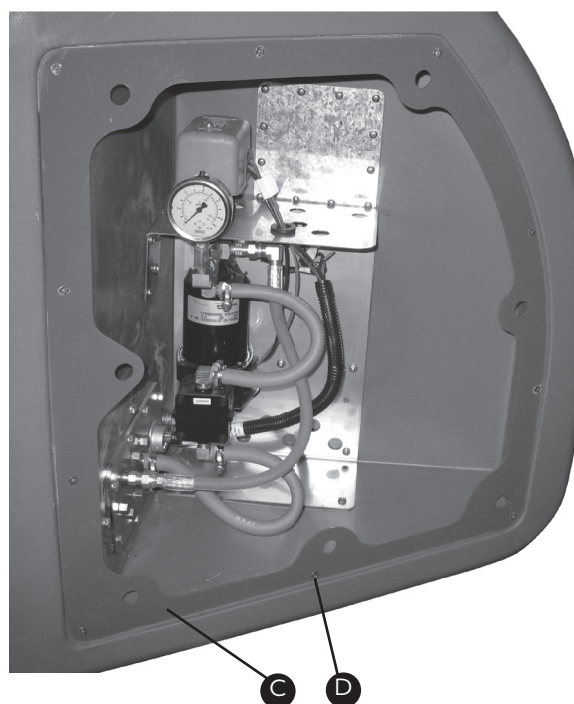
# PLASTIC POD AND MOUNTING HARDWARE



Item	Part No	Description	Quantity
A	GA5018375	Plastic Pod Body	1
B-1	GA5000303	M12 x 30mm Bolt	1
B-2	GA5000577	12mm Washer	1
B-3	GA5000575	12mm Spring Washer	1
C-1	GA5011161	M10 x 40mm Bolt	3

Item	Part No	Description	Quantity
C-2	GA5000141	M10 Nyloc	3
C-3	GA5002627	3/8" Washer	6
D-1	GA5011139	M10 x 100mm Bolt	1
D-2	GA5000141	M10 Nyloc Nut	1
D-3	GA5002627	3/8" Washer	6

## POD DOOR AND MOUNTING HARDWARE

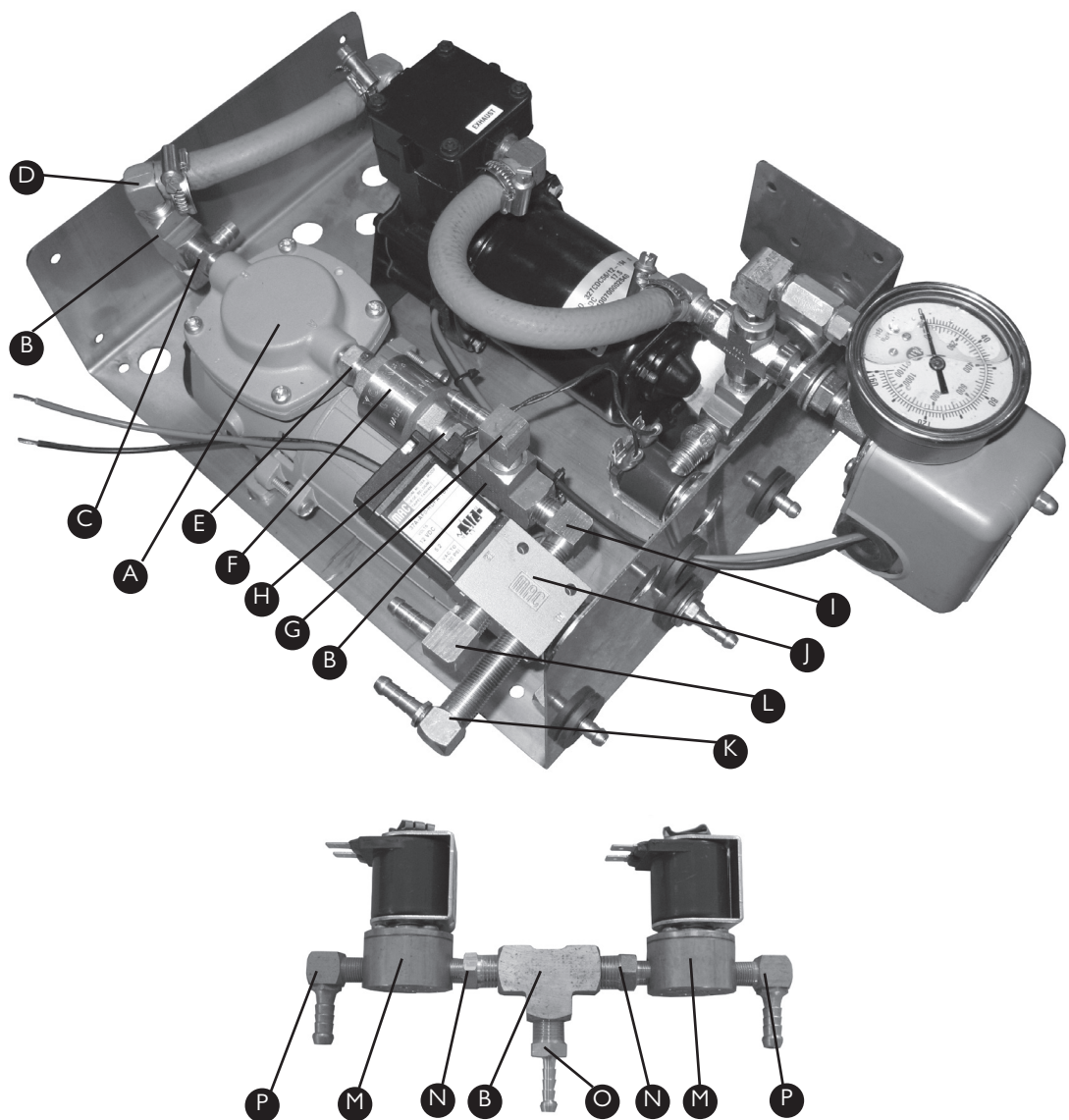


Item	Part No	Description	Quantity
A	GA4522580	Pod Door (RH)*	1
B-1	GA5066600	Rawl Door Catch	7
B-2	GA5003643	8mm Washer	21
C	GA4522585	Door Catch Plate	1
D	GA5014819	10G Self Tapper Screw	10
E	GA5016473	Foam Sealing Strip	2.2m

\* For decal refer to Decals (Chapter 17)

Note: Internal pod picture shown is of a sprayer with only a airbag compressor.

# FOAM MARKER COMPRESSOR ASSEMBLY



Assembly Part No GA4903121-EF

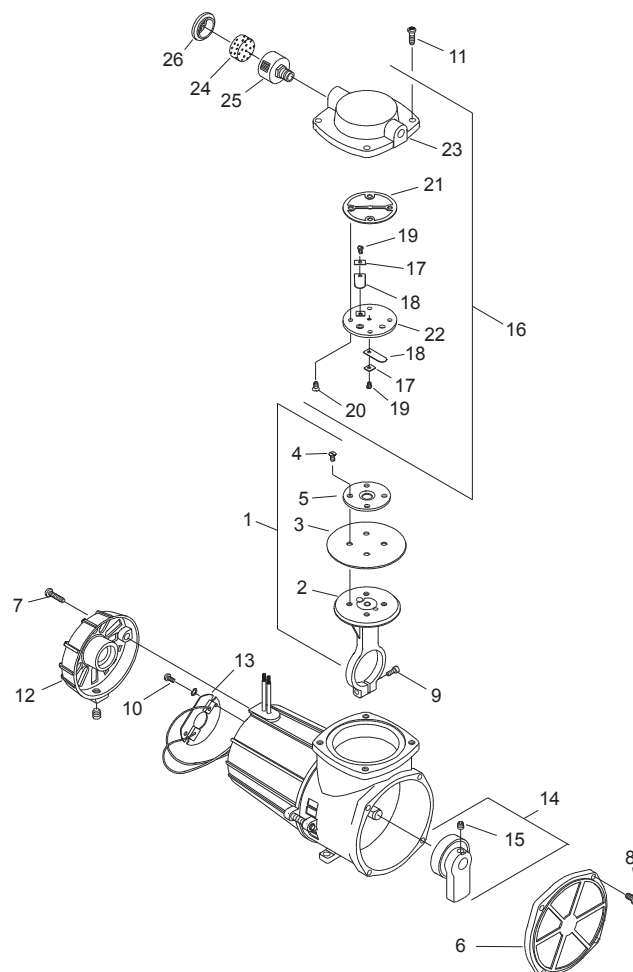
Item	Part No	Description	Quantity
A	GA5018806	Air Compressor	1
B	GA5048300	1/4" Brass Tee	3
C	GA5013809	1/4" x 1/8" Nipple	1
D	GA5049290	3/8" x 1/4" Brass Elbow	2
E	GA5020690	3/8" x 1/8" Nipple	1
F	GA5020010	3/8" Check Valve	1
G	GA5066950	1/8" x 1/4" Brass Elbow	1
H	GA5050790	3/8" x 1/4" Nipple	1

Item	Part No	Description	Quantity
I	GA5008343	1/4" Brass Elbow	1
J	GA5002959	Air Diverter Solenoid	1
K	GA5008347	1/4" Long Brass Elbow	1
L	GA5048340	1/4" Barbed Brass Elbow	1
M	GA5018595	Foam Soleniod	2
N	GA5013809	1/4" x 1/8" Nipple	2
O	GA5020540	1/4" x 1/4" Brass Barb	1
P	GA5049115	1/4" x 1/8" Brass Elbow	2

Note: Foam marker compressor shown is from a sprayer that also has airbag suspension.



# FOAM MARKER COMPRESSOR PARTS



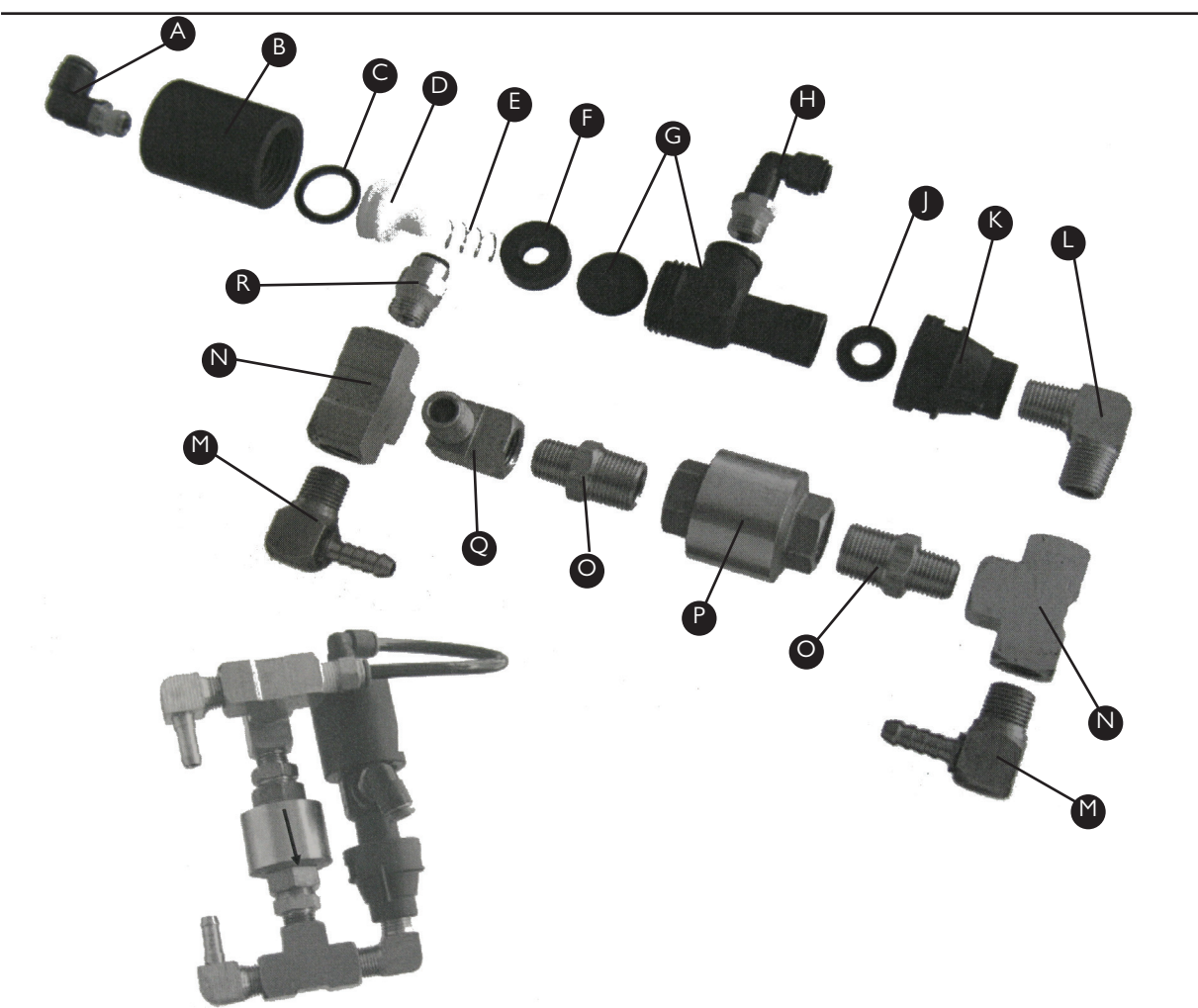
Assembly Part No GA5018806

Item	Part No	Description	Quantity
1	607180	Connecting Rod Assembly	1
2	607139	Connecting Rod	1
3	608148	Diaphragm	1
4	GA5007339	Screw - Hold Down Plate	4
5	GA5013073	Hold Down Plate	1
6	614608	Front Cover	1
7	614608	Screw - Motor End Cap	2
8	625660	Screw - Front Cover	4
9	625114	Conn Rod. Screw	1
10	625476	Screw - Brush Card	2
11	625444	Screw - Head	4
12	620352	Motor End Cap Assembly	1
13	GA5006445	Brush Card Assembly	1
14	645373	.18 Stroke Eccentric & Bearing Assy	1
	667611	.20 Stroke Eccentric & Bearing Assy	1

Item	Part No	Description	Quantity
15	625244	Set Screw - Eccentric	1
16	GA5016651	Head & Valve Plate Assembly	1
17	GA5017351	Valve Keeper	2
18	GA5008789	Valve Flapper - Intake & Exhaust	2
19	625160	Screw - Flapper	2
20	GA5014803	Screw - Valve Plate	4
21	633439	Gasket - Head	1
22	654129	Valve Plate	1
23	660131-504	Head	1
24	641034	Filter Foam	1
25	660763	Filter Body	1
26	660767	Filter Body Cap	1

Note: Not all parts are stocked in Australia. Some parts may not be available.

FOAM MARKER EXHAUST VALVE



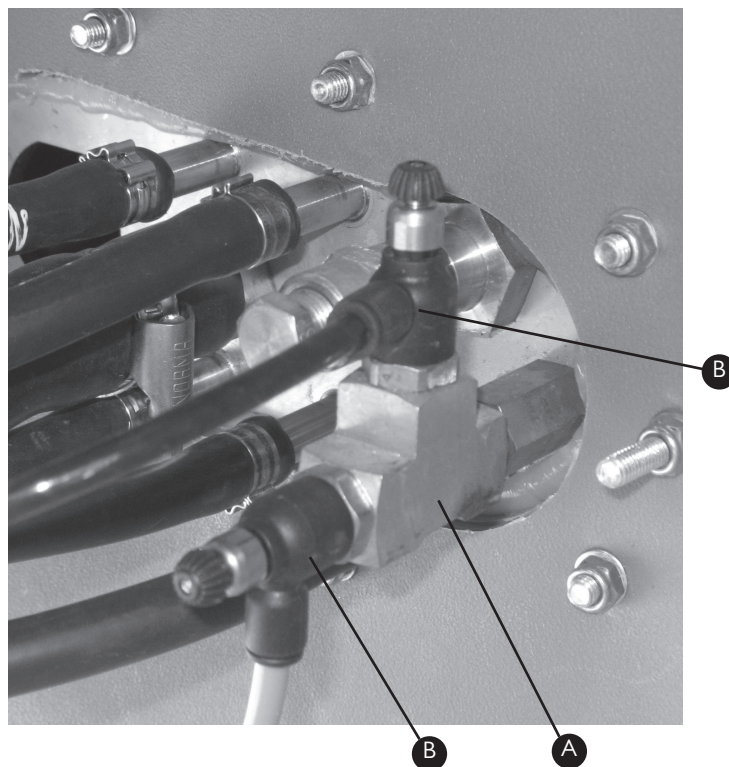
Assembly Part No GA4912005

Item	Part No	Description	Quantity
A	GA5045145	6mm x 1/8 BSPT Elbow	1
B	GA4572000	Chemsaver Body	1
C	GA5077548	Cup Seal	1
D	GA4572005	Chemsaver Piston	1
E	GA5045090	Spring 14.2 x 14	1
F	GA4572010	Chemsaver Washer	1
G	GA5077990	Diapham Nozzle Body	1
H	GA5016233	6mm x 1/4 BSP Swivel	
		Elbow	1

Item	Part No	Description	Quantity
J	402200040	Cap Seal	1
K	GA5077983	Adapter	1
L	GA5008343	1/4" Elbow	1
M	GA5048340	1/4" Barbed Elbow	2
N	GA5048300	1/4" Brass Tee	2
O	GA5045085	1/4" x 3/8" Nipple	2
P	GA5020010	3/8" Check Valve	1
Q	GA5048305	1/4" Extruded Elbow	1
R	GA5045140	6mm x 1/4" BSPT Adapter	1

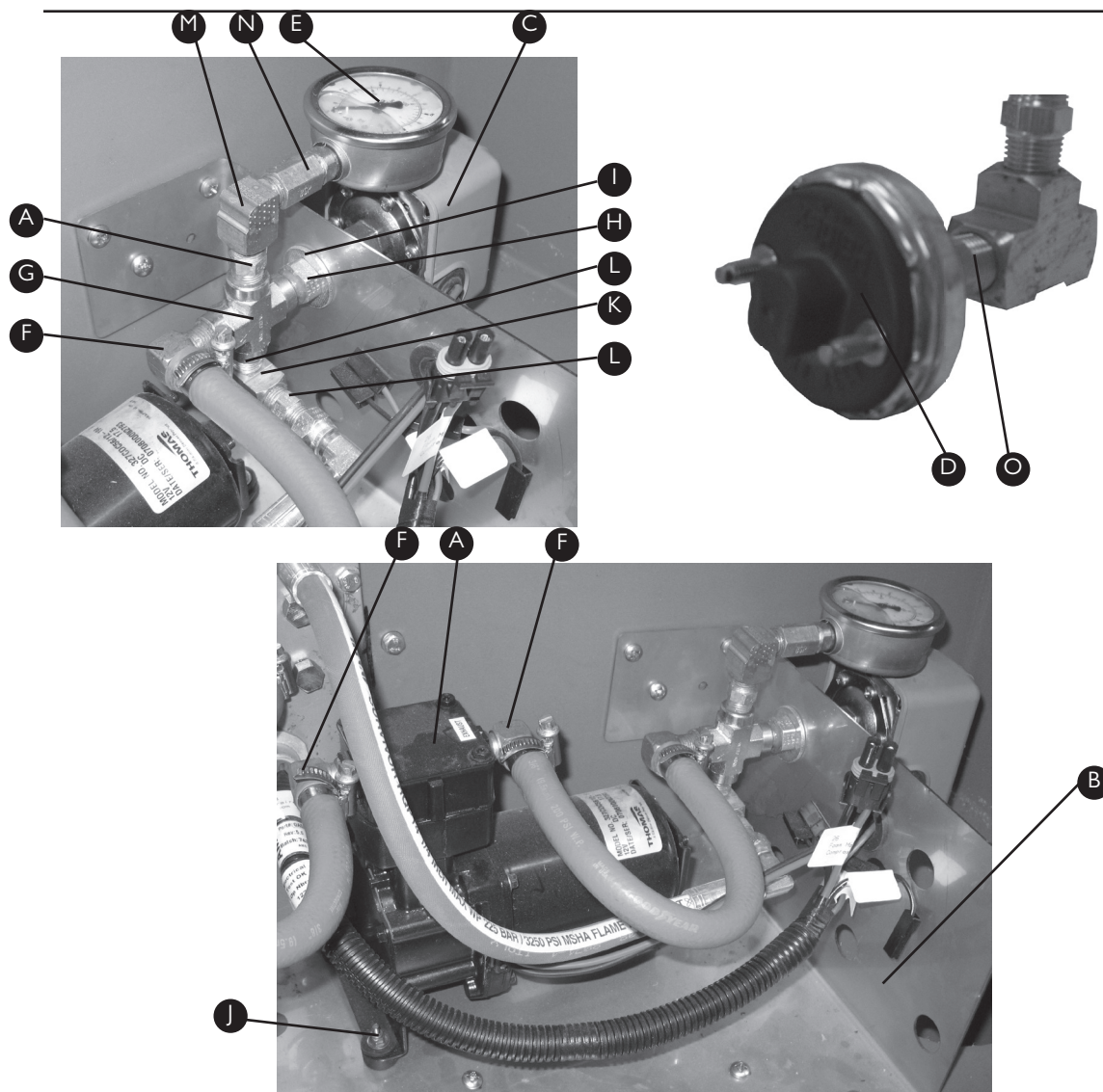
## FOAM MARKER NEEDLE VALVES

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Item	Part No	Description	Quantity
A	GA5048300	1/4" Female Tee	1
B	GA5015643	Needle Valve	2

AIRBAG COMPRESSOR ASSEMBLY

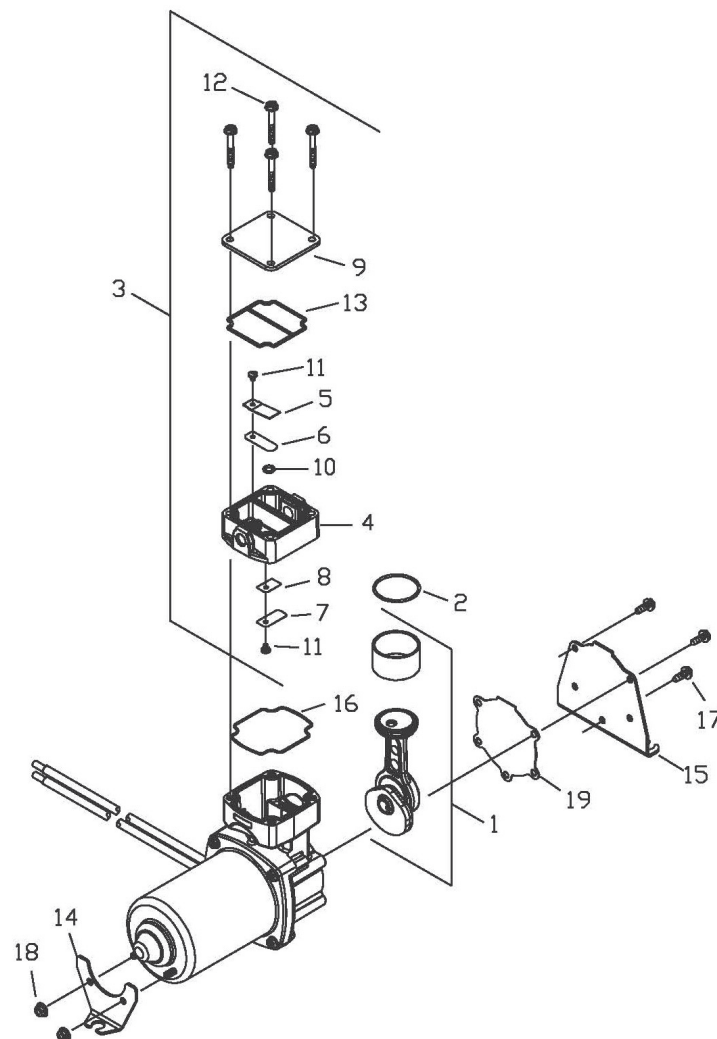


Assembly Part No GA4903122-EF			
Item	Part No	Description	Quantity
A	GA5018809	Airbag Air Compressor	1
B	F70785A	Mounting Bracket	1
C	GA5016221	Differential Pressure Switch	1
D	GA5011059	Low Pressure Switch	1
E	GA4948470	160 PSI Pressure Gauge	1
F	GA5049290	3/8" x 1/4" Elbow	3
G	GA3500246	1/4" BSPTFF Cross Piece	1
H	GA3500249	1/4" Nipple with Lock Nut	2
I	GA5017617	12mm Washer	2

Item	Part No	Description	Quantity
J-1	GA5049020	M4 x 25mm Screw	3
J-2	GA5003501	M4 Nyloc Nut	3
J-3	GA5020510	4mm Washer	6
K	GA5048300	1/4" Brass Tee	1
L	GA5050285	1/4" Brass Nipple	2
M	GA5048305	1/4" Brass Elbow	1
N	GA5066940	1/4" Hex Socket	1
O	GA5049640	1/4" x 1/8" Bush	1



# AIRBAG COMPRESSOR PARTS



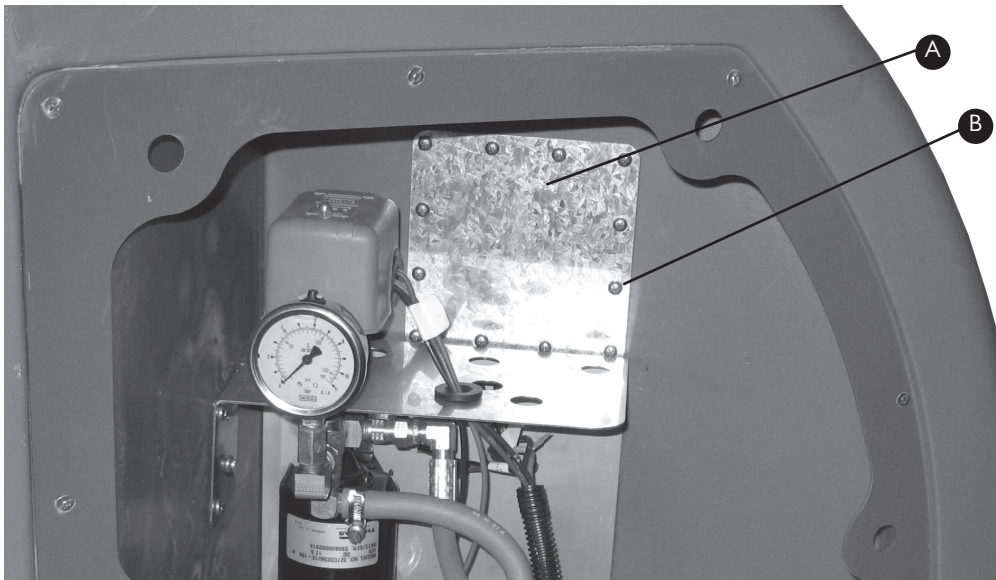
## Assembly Part No GA5018809

Item	Part No	Description	Quantity
1	666331	Connecting Rod & Eccentric	1
		Assembly	1
2	623557	O-ring Sleeve	1
3	669136	Head Assembly	1
4	610514	Head	1
5	GA5021535	Valve Restraint	1
6	GA5008789	Valve Flapper - Exhaust	1
7	GA5017339	Valve Flapper - Inlet	1
8	621543	Valve Shim	1
9	621602	Head Plate	1

Item	Part No	Description	Quantity
10	623615	O-ring - Valve Flapper	1
11	GA5014807	Screw - Valve Flapper	2
12	625558	Screw - Head	4
13	638042	O-ring Gasket - Head	1
14	617292	Bracket 12V	1
15	617285	Bracket	1
16	GA5012559	O-ring Gasket - Housing	1
17	625072	Screw - Bracket	5
18	626283	Nut - Bracket	2
19	638556	Gasket - Bracket	1

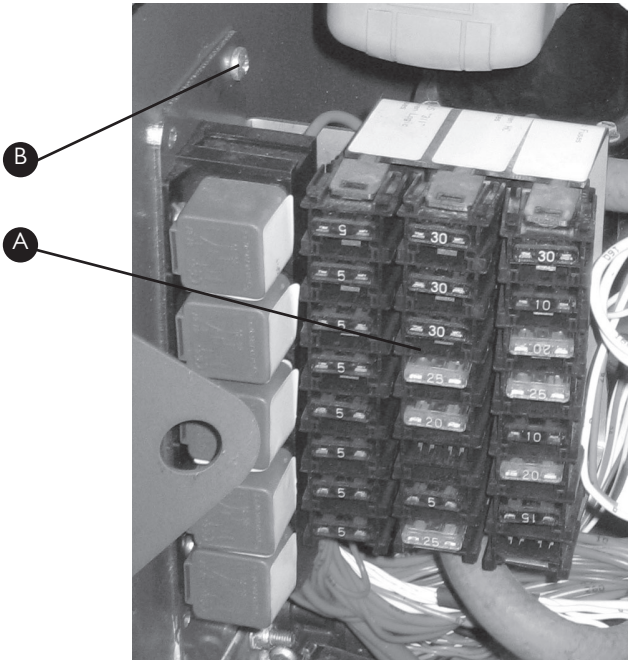
Note: Not all parts are stocked in australia. Some parts may not be available.

# INTERNAL COVER PANEL



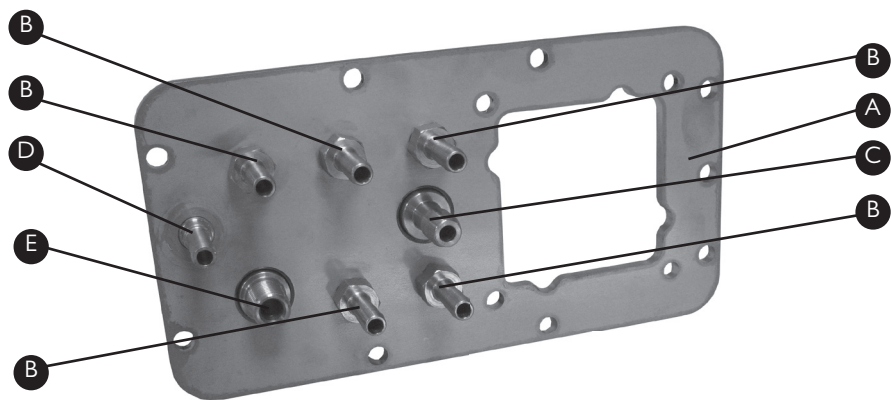
Item	Part No	Description	Quantity
A	GA4533915	Galvanized Cover Plate	1
B	GA5014821	12g x 1/2" Screw	12

# FUSE BOX TO SUIT JOYSTICK CONTROLLER



Item	Part No	Description	Quantity
A	GA5013372	Fuse Box	1
B	GA5014821	12g x 1/2" Screw	2

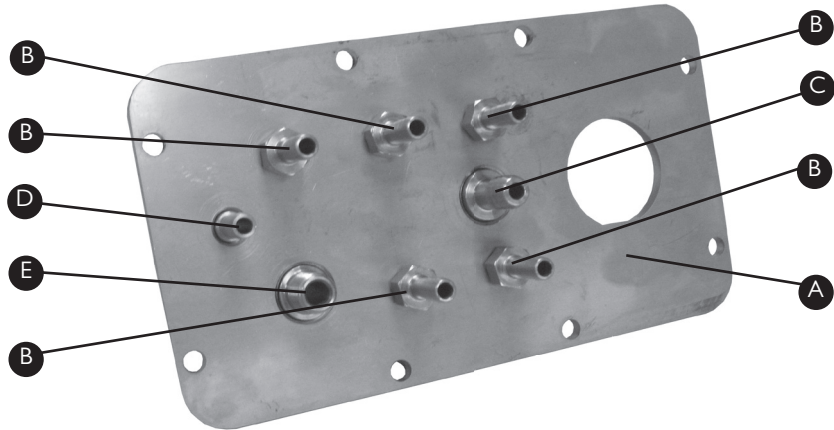
# POD MANIFOLD FOR JOYSTICK MODELS



Item	Part No	Description	Quantity
A	GA4534305	Manifold Plate to suit	
		Joystick Controller	1
B	MACH0128	1/4" Barb Connector	5
C	MACH0129	3/4" to 3/8" Barb	1

Item	Part No	Description	Quantity
D	MACH0130	1/4" Barb to BSPT	
		Connector	1
E	GA4582465	1/4" BSPT Nipple	1

# POD MANIFOLD FOR NON-JOYSTICK MODELS



Item	Part No	Description	Quantity
A	F70784A	Manifold Plate to suit	
		Non-Joystick Controller	1
B	MACH0128	1/4" Barb Connector	5
C	MACH0129	3/4" to 3/8" Barb	1

Item	Part No	Description	Quantity
D	MACH0130	1/4" Barb to BSPT	
		Connector	1
E	GA4582465	1/4" BSPT Nipple	1



# CHAPTER 5

## LH POD



Complete Pre-Assembled Pods . . . . .	5-2
Pod Frames . . . . .	5-3
Plastic Pod and Mounting Hardware .	5-4
Storage Locker . . . . .	5-5
Swing Down Door . . . . .	5-6
Door Catch. . . . .	5-6
Front Panel Assembly . . . . .	5-7
Pressure Manifold . . . . .	5-8
Radial Fill Manifold . . . . .	5-9
Main Tank Fill Valve. . . . .	5-10
2" Fill Pump. . . . .	5-11
3" Fill Pump and Tank Insert. . . . .	5-12
Fill Inlet without Pump . . . . .	5-13
Suction Filter . . . . .	5-14
Fill Filter. . . . .	5-15
Intake Flow Diverter. . . . .	5-16
Induction Hopper Powder Jet Tee .	5-16
Work Light . . . . .	5-17
Fast Close Valve . . . . .	5-18
Butterfly Valve. . . . .	5-19
Front Infill Plate . . . . .	5-20

Note: There are differences between the Prairie EF and Prairie Advance EF pods. This section makes reference to the parts used on a Prairie Advance EF model sprayer, unless otherwise stated. Some of the items shown are not applicable to the Prairie EF model sprayer.



## COMPLETE PRE-ASSEMBLED PODS

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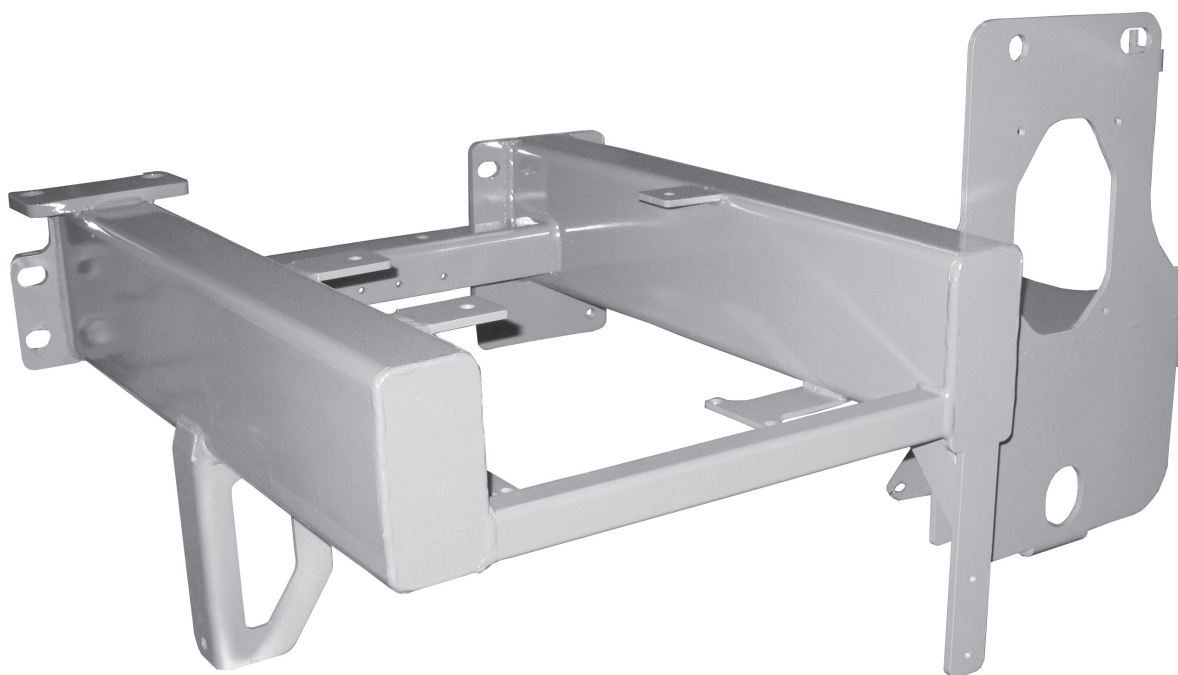


Part No	Description
GA4903125-EF	Prairie Advance EF Pod
GA4903125-P-EF	Prairie EF Pod

Note: Fill Pump is not included in these assemblies and must be order seperatly

## POD FRAME

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Part No	Description
GA4654416	Pod Frame

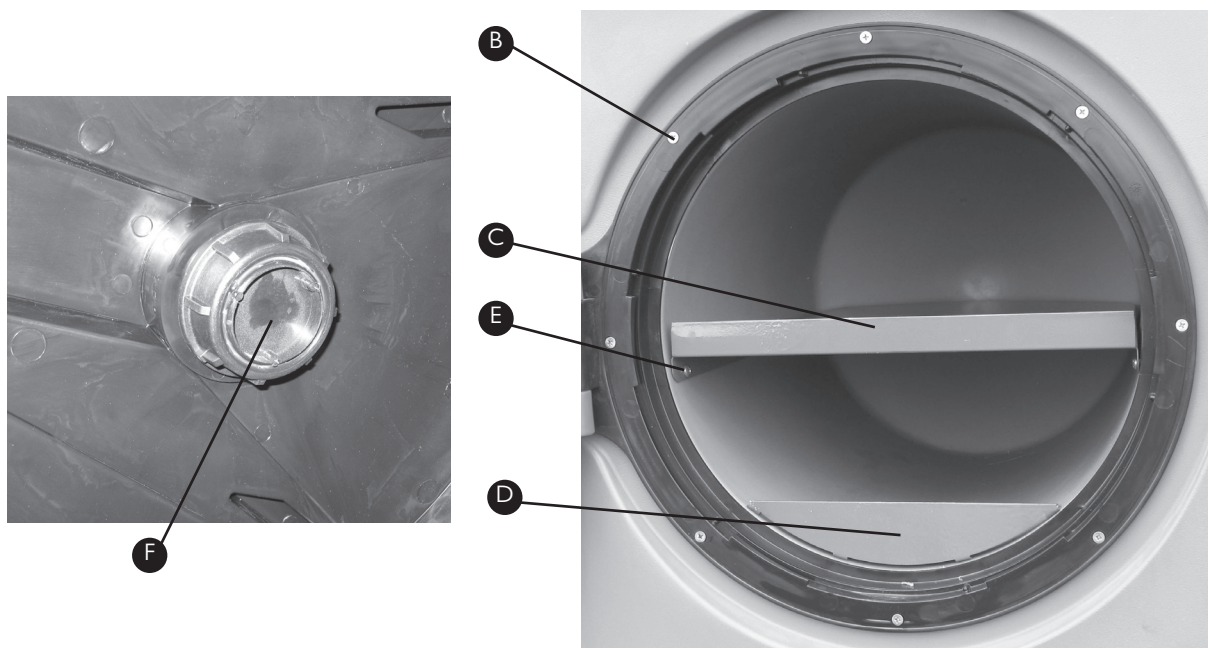
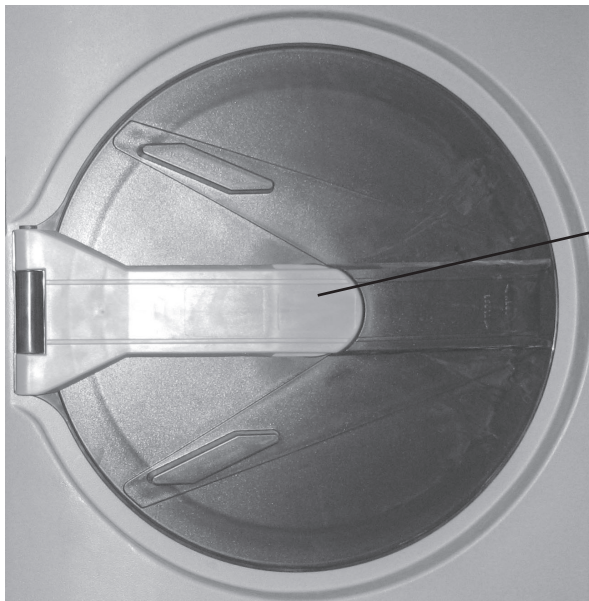
PLASTIC POD AND MOUNTING HARDWARE



Item	Part No	Description	Quantity
A	GA5018373	Blank Pod (LH side)	1
B-1	GA5065455	M10 x 30mm Bolt	1
B-2	GA5000141	M10 Nyloc Nut	1
B-3	GA5000117	10mm Washer	2
C-1	GA5065455	M10 x 30mm Bolt	1

Item	Part No	Description	Quantity
C-2	GA5000141	M10 Nyloc Nut	1
C-3	GA5000117	10mm Washer	2
D-1	GA5065455	M10 x 30mm Bolt	2
D-2	GA5000141	M10 Nyloc Nut	2
D-3	GA5000117	10mm Washer	4

## STORAGE LOCKER



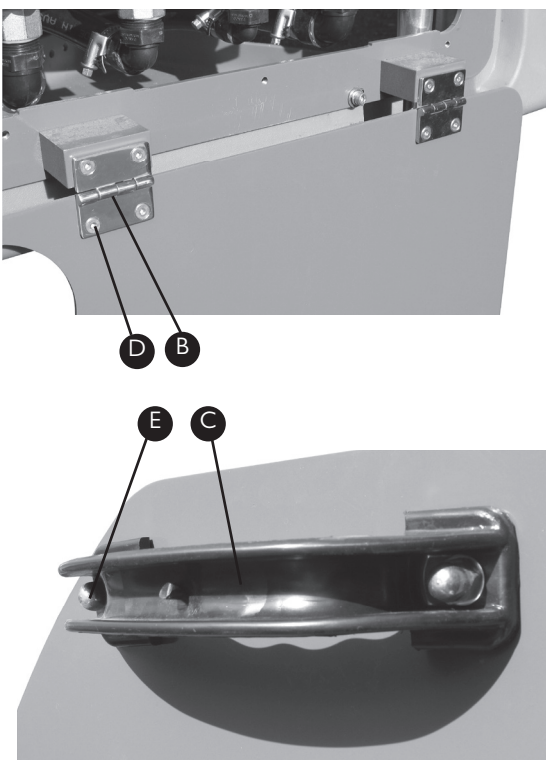
Item	Part No	Description	Quantity
A	GA5076886	Hinged Tank Lid	1
B	GA5014819	10G x 1" Self Tapping Screw	8
C	GA4534190	Locker Middle Shelf*	1

Item	Part No	Description	Quantity
D	GA4534185	Locker Bottom Lip*	1
E	GA5014821	12G x 1/2" Screw*	8
F	GA5003925	40mm Plastic Insert	1

\* Standard Fitment on Prairie Advance EF only, retaining nut Item F comes standard with the pod door.



SWING DOWN DOOR

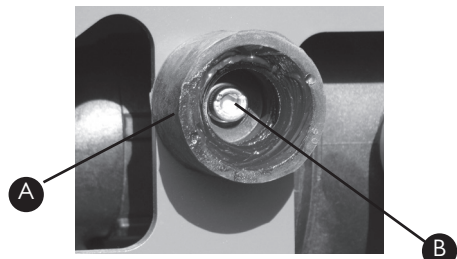


Item	Part No	Description	Quantity
A	GA4532185	Cover Panel	1
B	GA5020415	Hinge	2
C	GA5009841	Handle	1
D-1	GA5051230	M5 x 16mm Flat Head	
		Counter Sunk Cap Screw	8

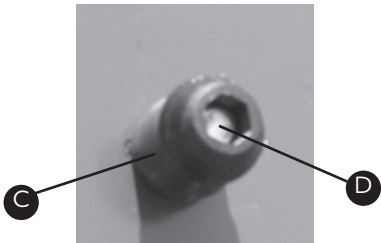
Item	Part No	Description	Quantity
D-2	GA5012471	M5 Nyloc Nut	4
D-3	GA5003983	5mm Washer	4
E-1	GA5004701	M8 x 20mm Cap Screw	2
E-2	GA5011457	M8 Dome Nut	2
E-3	GA5003643	8mm Washer	4

Refer to decal section (Chapter 17) for decal part numbers.

DOOR CATCH



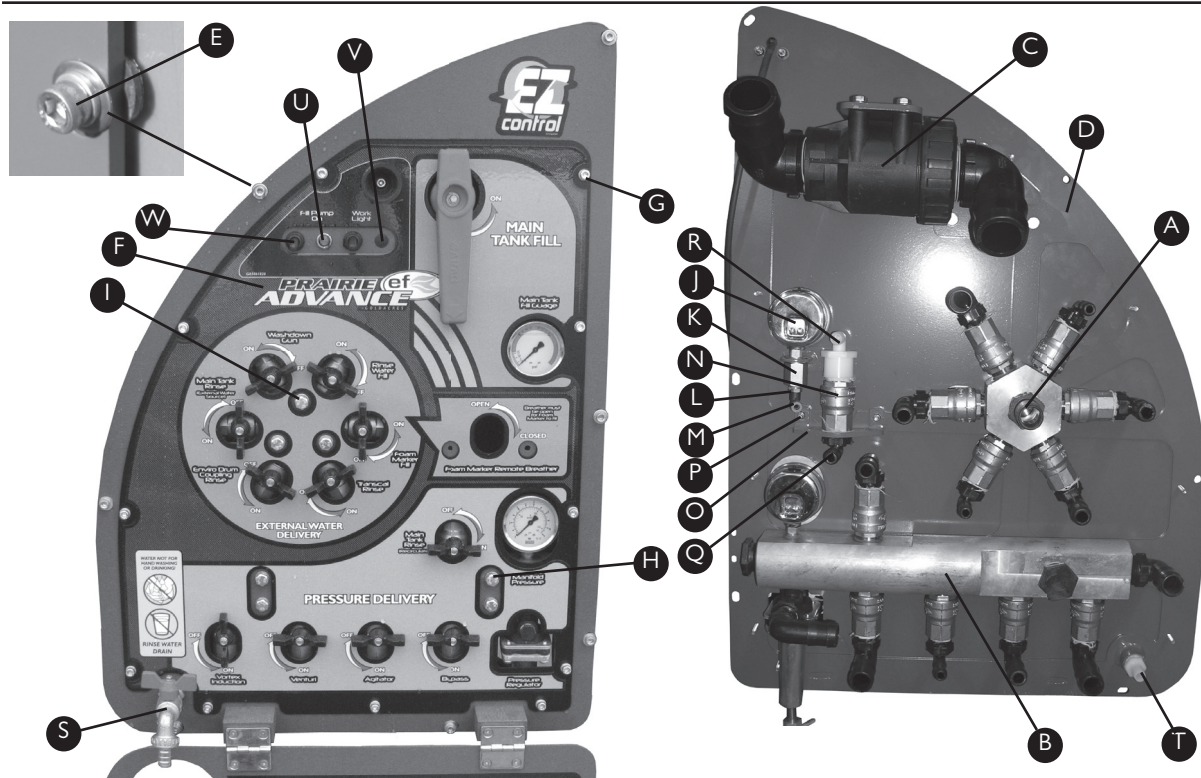
Item	Part No	Description	Quantity
A	GA5008629	Female Door Catch	1
B-1	GA5011425	M6 x 35mm Button Head	
		Cap Screw	1
B-2	GA5048115	M6 Nyloc Nut	1



Item	Part No	Description	Quantity
B-3	GA5004437	6mm Washer	2
C	GA5011607	Male Door Catch	1
D-1	GA5004073	M6 x 25mm Bolt	1
D-2	GA5048465	M6 Dome Nut	1



## FRONT PANEL ASSEMBLY

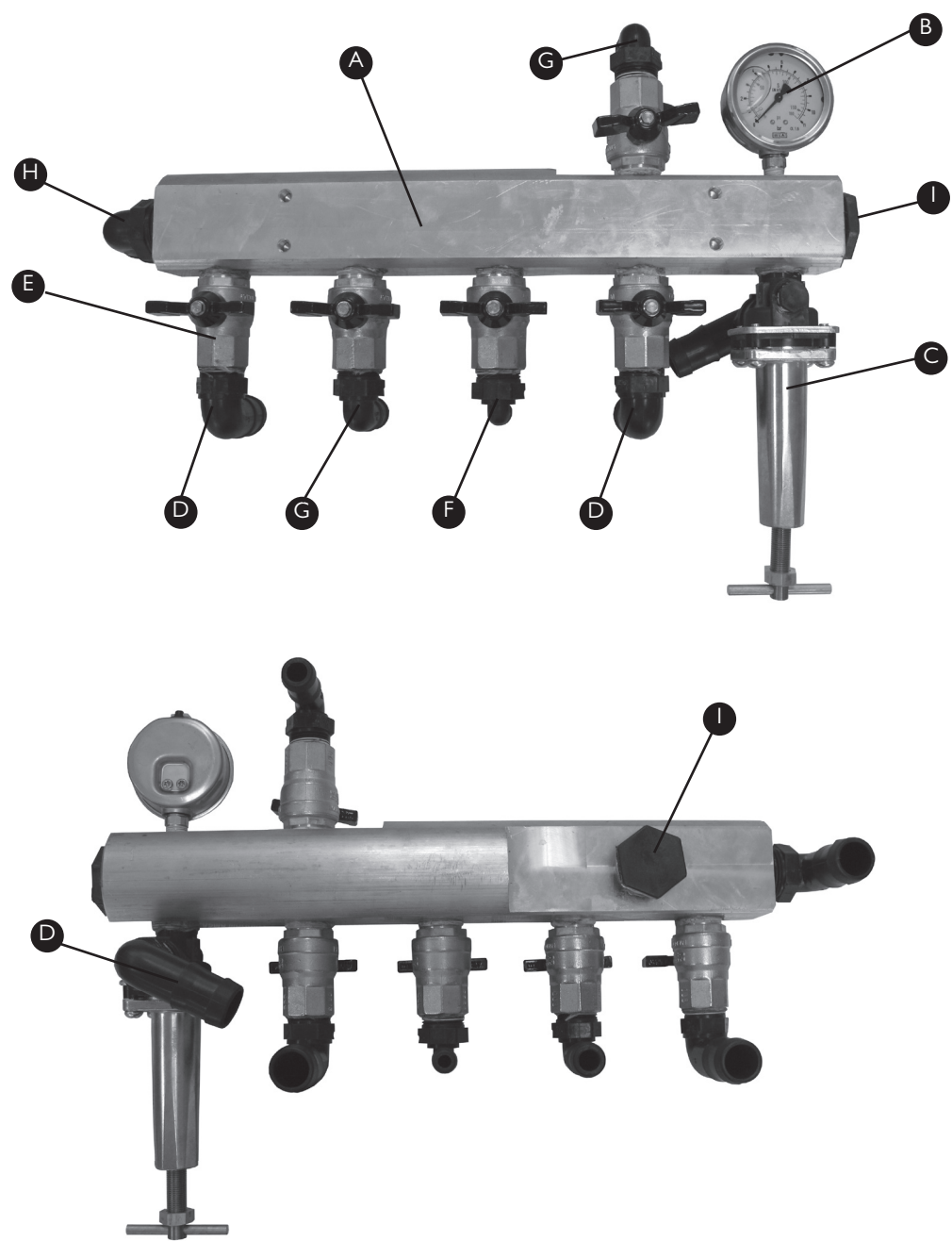


Item	Part No	Description	Quantity
A		Radial Fill Manifold *1	1
B		Pressure Manifold *2	1
C		Main Tank Fill Valve *3	1
D	GA4653645	Valve Mounting Plate	
		Skeleton	1
E-1	GA5011425	M6 x 35mm Cap Screw	7
E-2	GA5004437	6mm Washer	7
E-3	GA5004447	6mm Spring Washer	7
E-4	GA5020855	M6 Rawl Nut	7
F*4	GA4522355	Sticker Panel for Prairie EF	1
	GA4532180	Sticker Panel for Advance	1
G-1	GA5004055	M6 x 20mm Cap Screw	11
G-2	GA5004437	6mm Washer	11
G-3	GA5004447	6mm Spring Washer	11
H-1	GA5011465	M8 x 16mm Bolt	4
H-2	GA5003643	8mm Washer	4
H-3	GA5004921	8mm Spring Washer	4
I-1	GA5011465	M8 x 16mm Cap Screw	3
I-2	GA5003643	8mm Washer	3

Item	Part No	Description	Quantity
I-3	GA5004921	8mm Spring Washer	3
J	GA4948445	Fill Pressure Gauge (15PSI)	1
K	GA5015469	1/4" Socket	1
L	GA5049640	1/4" x 1/8" Bush	1
M	GA5045145	6mm x 1/8" Elbow	1
N	GA5018315	20mm Ball Valve	1
O	F70648A	Ball Valve Mounting Plate	1
P-1	GA5004053	M6 x 20mm Button Head	
		Cap Screw	2
P-2	GA5048115	M6 Nyloc Nut	2
P-3	GA5004437	6mm Washer	4
Q	GA5077710	3/4" x 1/2" Elbow	1
R	GA5077744	3/4" x 1/2" Female Elbow	1
S	GA5020630	Rinse Water Tap	1
T	GA5077702	1/2" Straight Barb	1
U	GA5006413	Red Light	1
V	GA5048780	Blank Plug	1
W-1	GA5012667	Switch	2
W-2	GA5012175	Switch Boot	2

Note: Some quantities may vary from machine to machine depending on sprayer options. \*1 Refer to page x for full breakdown. \*2 Refer to page x for full breakdown. \*3 Refer to page x for full breakdown. \*4 For sticker refer to decals (Chapter 17). Items J-K only used on Prairie Advance EF sprayers.

# PRESSURE MANIFOLD

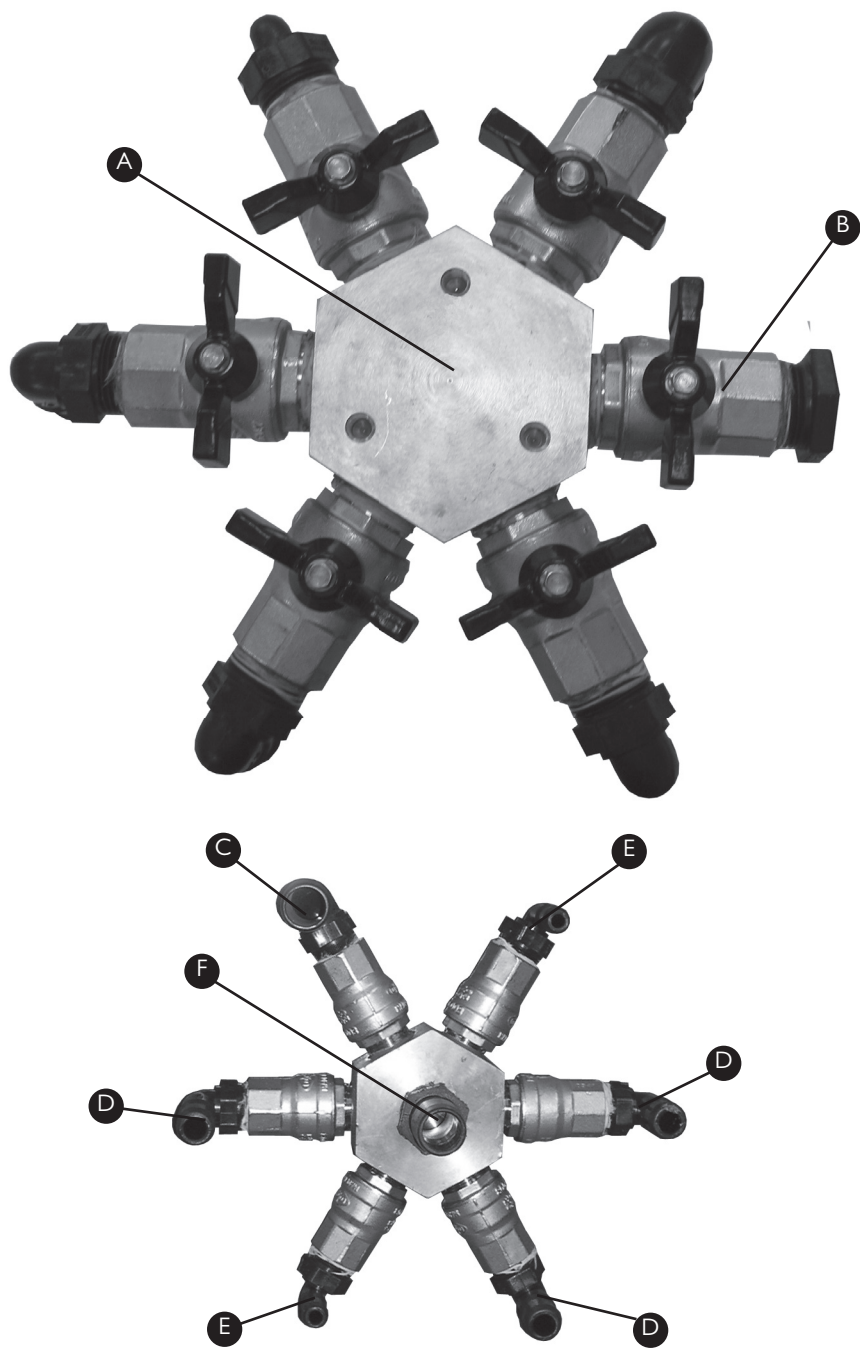


Item	Part No	Description	Quantity
A	MACH0314	Pressure Manifold	1
B	GA4948470	160 PSI Pressure Gauge	1
C	GA5077179	Pressure Relief Valve	1
D	GA5077716	3/4" x 1" Elbow	3
E	GA5018315	20mm Ball Valve	5

Item	Part No	Description	Quantity
F	GA5077710	3/4" x 1/2" Elbow	1
G	GA5077717	3/4" Elbow	2
H	GA5077723	1" Elbow	1
I	GA5077945	1" Plug	2

Note: The pressure manifold shown is from a Prairie Advance EF. The Prairie EF manifold is the same except unused ports are plugged off with a 3/4" Plug P/N: GA5077944.

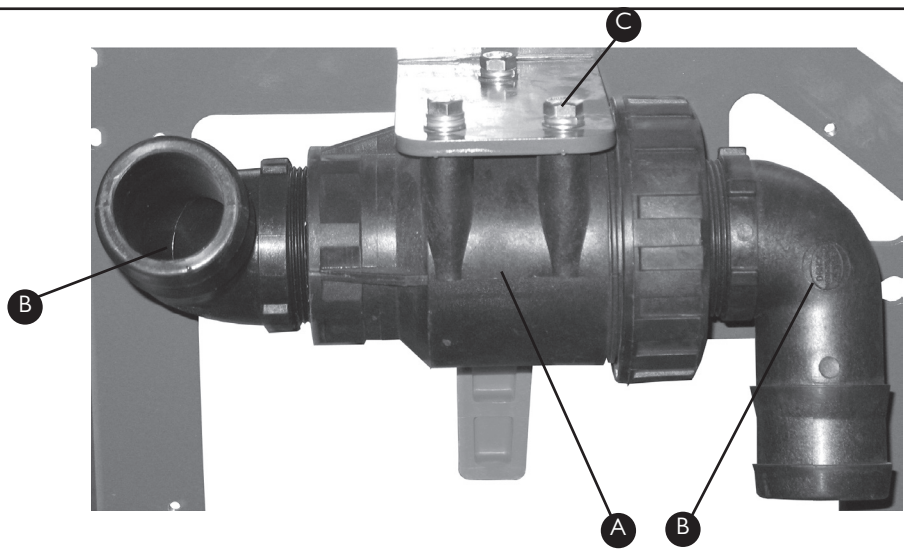
# RADIAL FILL MANIFOLD



Item	Part No	Description	Quantity	Item	Part No	Description	Quantity
A	HEXMAN	Radial Manifold	1	D	GA5077717	3/4" Elbow	3
B	GA5018315	20mm Ball Valve	6	E	GA5077710	3/4" x 1/2" Elbow	2
C	GA5077716	3/4" x 1" Elbow	1	F	GA5077718	1" Hose Barb	1

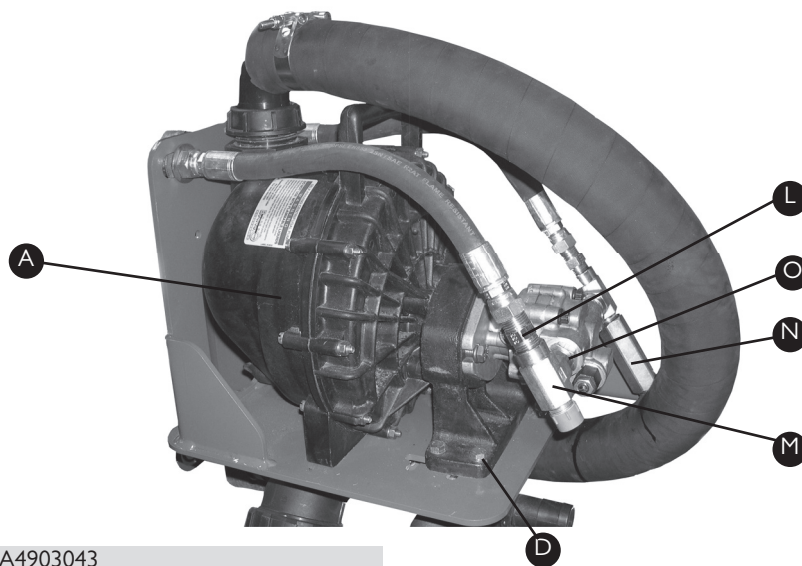
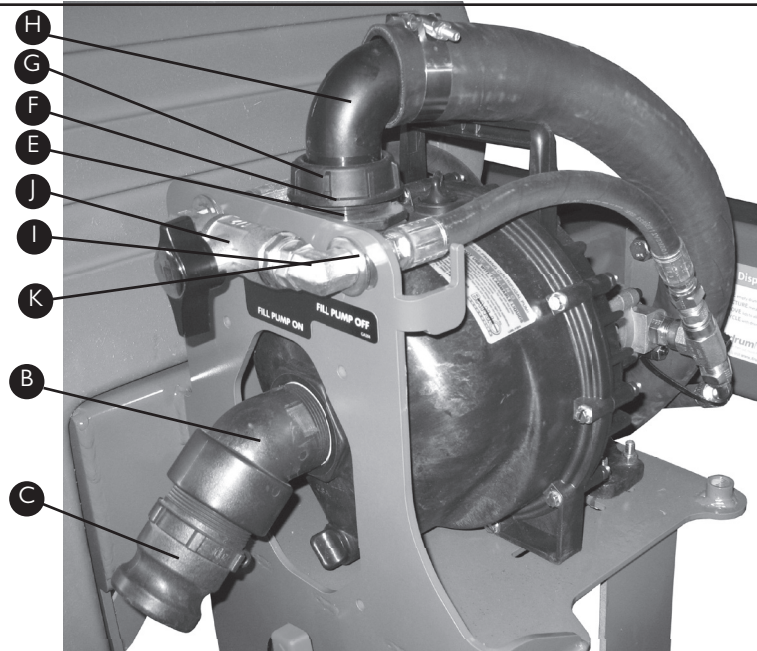
Note: The fill manifold shown is from a Prairie Advance EF. The Prairie EF manifold is the same except unused ports are plugged off with a 3/4" Plug P/N: GA5077944.

# MAIN TANK FILL VALVE



Item	Part No	Description	Quantity
A	GA5076981	2" Ball Valve	1
B	GA5077740	2" Elbow	2
C-1	GA5011465	M8 x 16mm Bolt	3
C-2	GA5003643	8mm Washer	3
C-3	GA5004921	8mm Spring Washer	3

## 2" FILL PUMP



Assembly Part No GA4903043

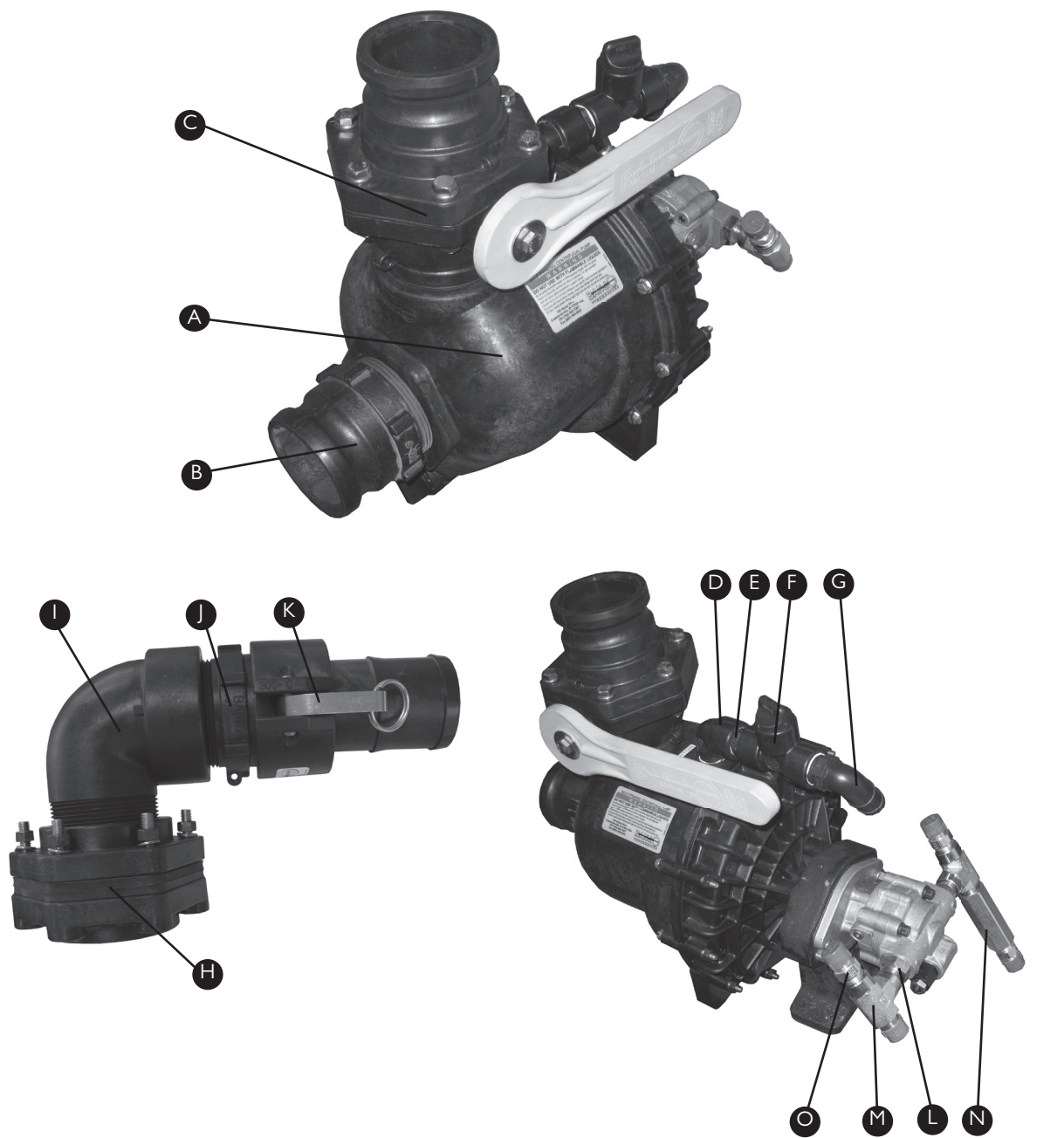
Item	Part No	Description	Quantity
A	200PHY	Fill Pump	1
A-1	GA5050220	Fill Pump Seal Kit	1
A-2	GA5076426	Fill Pump O-ring Kit	1
B	GA5078141	2" 45 deg Elbow	1
C	GA5076614	2" Male Camlock Fitting	1
D-1	GA5048655	M8 x 40mm Bolt	4
D-2	GA5004417	M8 Nyloc Nut	4
D-3	GA5002565	3/8" x 1" Washer	4
D-4	GA5003643	8mm Washer	4
E	2502070	2" Nipple	1

Item	Part No	Description	Quantity
F	GA5048385	BS131 O-ring*	1
G	GA5076605	2" Fly Nut	1
H	GA5076262	2" Elbow	1
I	GA3500323	Hydraulic Elbow	2
J	GA5000835	Ball Valve	1
K	GA5001727	20mm Washer	4
L	GA3500223	BSPTM Nipple	2
M	GA3500254	Hydraulic Tee	2
N	GA5007059	Check Valve (0 Bar)	2
O	GA3500364	Hydraulic Nipple	2

For hydraulic hose P/N refer to Hydraulics (Chapter 18), \* Attached to item H



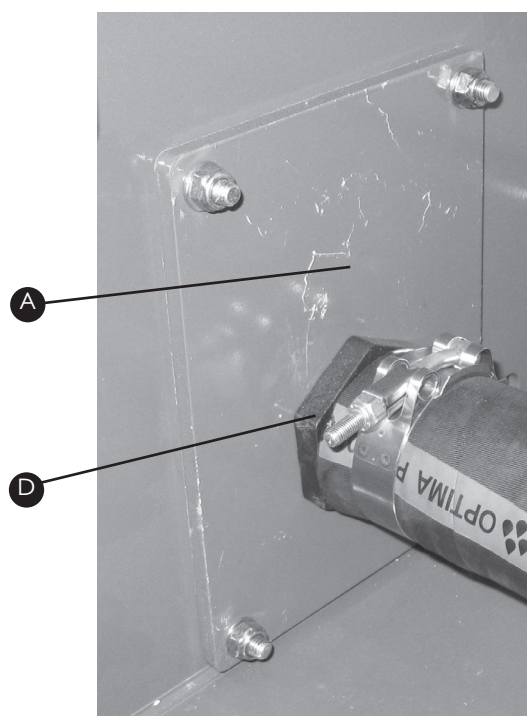
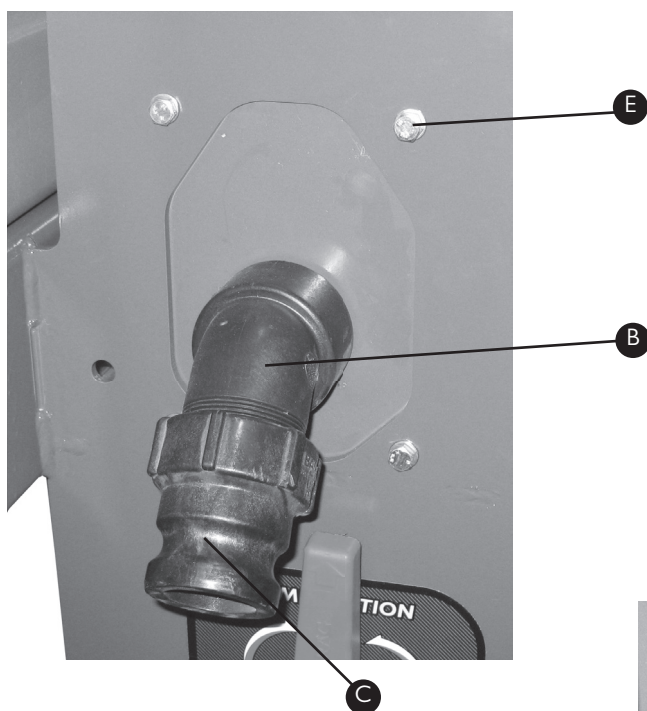
# 3" FILL PUMP AND TANK INSERT



Assembly Part No GA4903043			
Item	Part No	Description	Quantity
A	GA5076726	Fill Pump	1
B	GA5076722	3" Male Camlock	1
C	GA5078204	3" Ball Valve	1
D	GA5078135	3/4" Elbow	1
E	GA5077913	3/4" Nipple	1
F	GA5078150	3/4" Tee	1
G	GA5077716	1" x 3/4" Elbow	1
H	GA5077343	3" Bolted Flange	1

Item	Part No	Description	Quantity
I	GA5078144	3" Elbow	1
J	GA5076722	3" Male Camlock	1
K	GA5076718	3" Female Camlock	1
L	GA3500364	Hydraulic Nipple	2
M	GA3500254	Hydraulic Tee	2
N	GA5007059	Check Valve	1
O	GA3500223	BSPTM Nipple	2

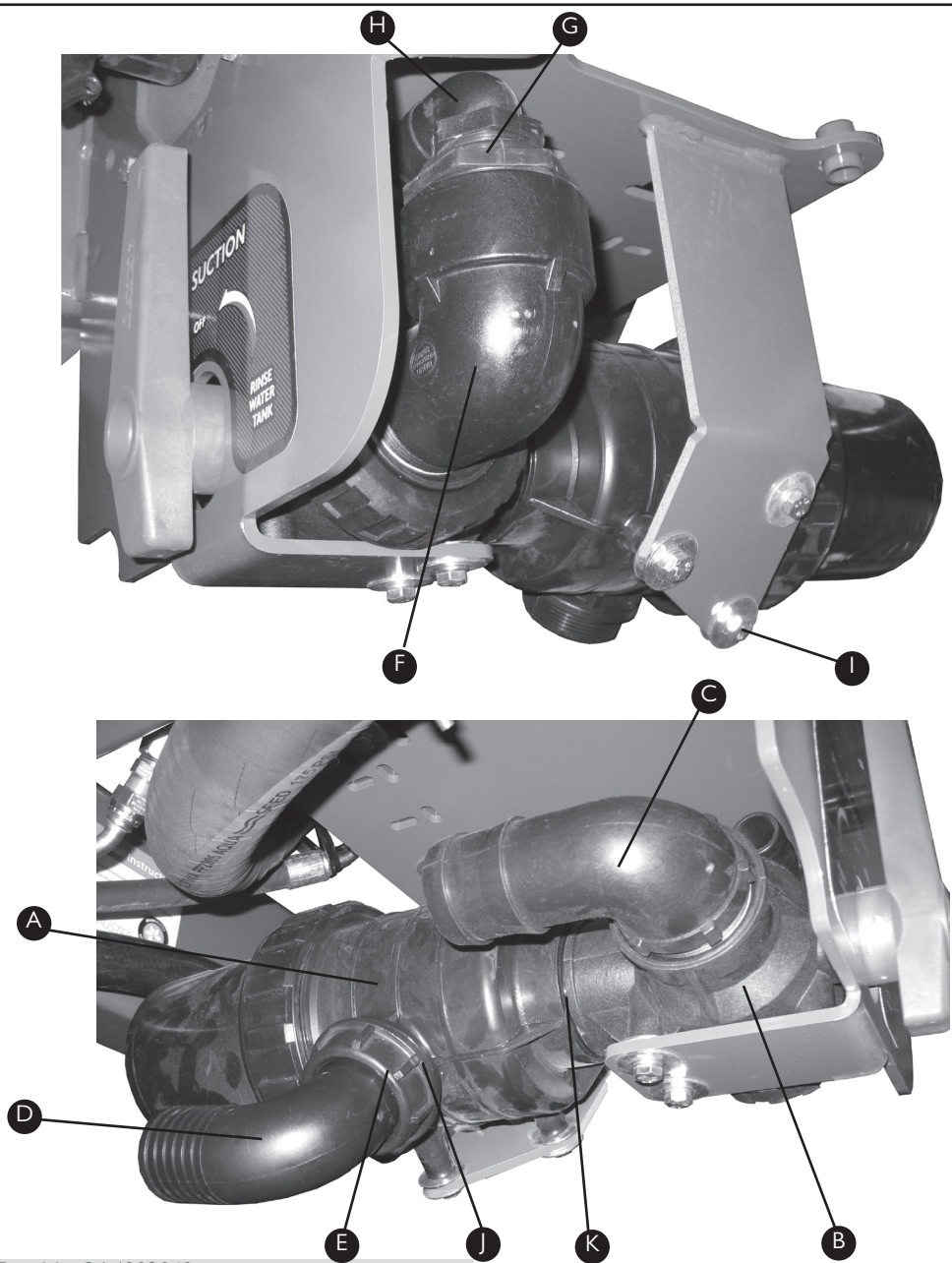
## FILL INLET WITHOUT PUMP



Item	Part No	Description	Quantity
A	F70672A	Mounting Plate	1
B	GA5078141	2" 45 deg Elbow	1
C	GA5076614	2" Camlock	1
D	GA5077737	2" Barb	1

Item	Part No	Description	Quantity
E-1	GA5004713	M8 x 25mm Bolt	4
E-2	GA5004417	M8 Nyloc Nut	4
E-3	GA5003643	8mm Washer	8

SUCTION FILTER



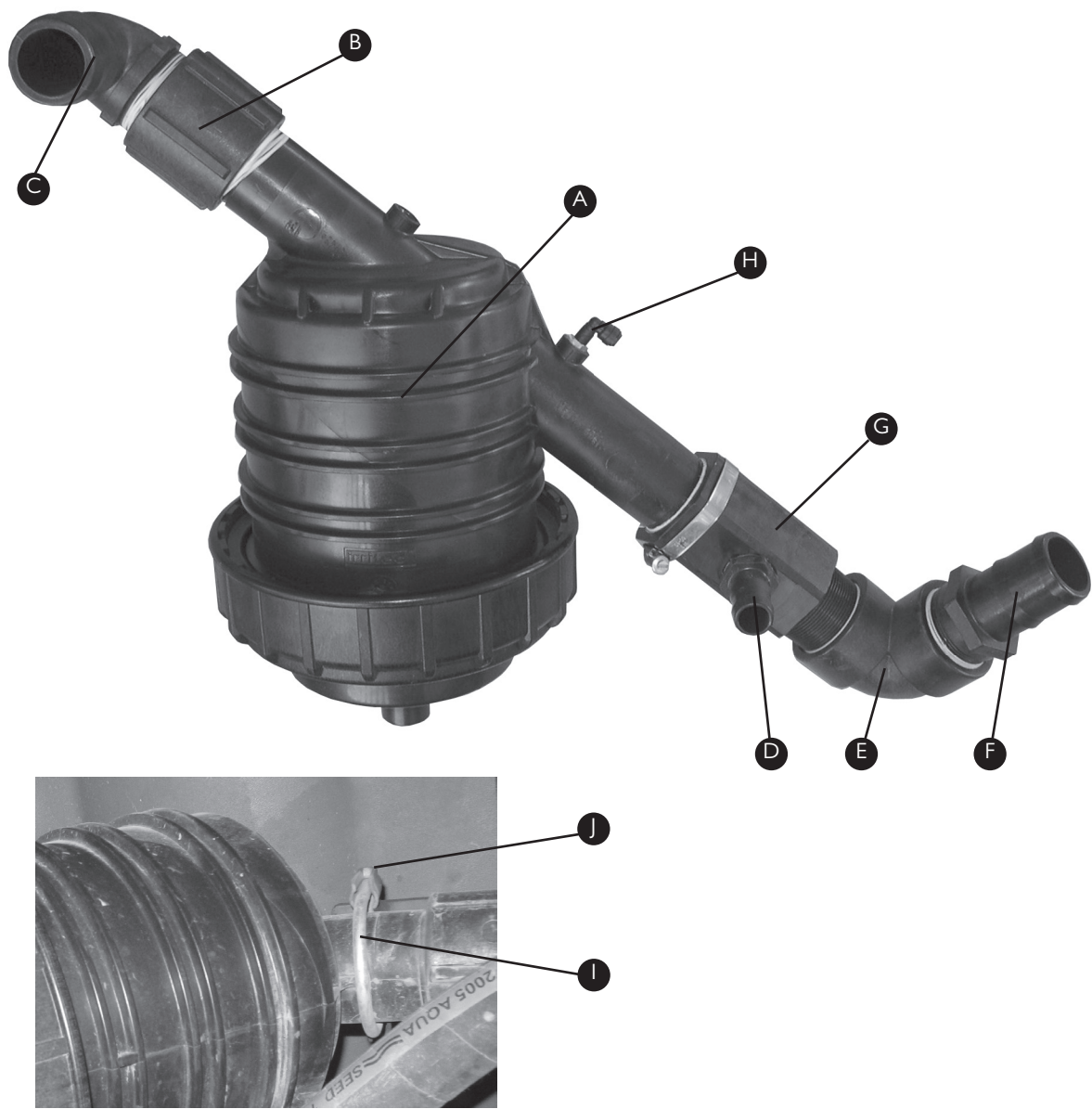
Assembly Part No GA4903062

Item	Part No	Description	Quantity
A	GA5076799	2" Suction Filter	1
B	GA5076987	2" 3 Way Ball Valve	1
C	GA5077740	2" Barbed Elbow	1
D	GA5076262	2" Elbow	1
E	GA5076605	2" Fly Nut	1
F	GA5078142	2" Elbow	1
G	GA5078021	2" x 1" Bush	1

Item	Part No	Description	Quantity
H	GA5077725	1 1/4" x 1" Elbow	1
I-1	GA5004701	M8 x 20mm Bolt	5
I-2	GA5002565	3/8" x 1" Washer	10
I-3	GA5004919	8mm Spring Washer	5
J	GA5048385	51mm O-ring <sup>*1</sup>	2
K	GA5009187	50mm O-ring <sup>*2</sup>	1

<sup>\*1</sup> Attached to item D, <sup>\*2</sup> Placed in between items A & B

FILL FILTER\*



Assembly Part No GA4903089

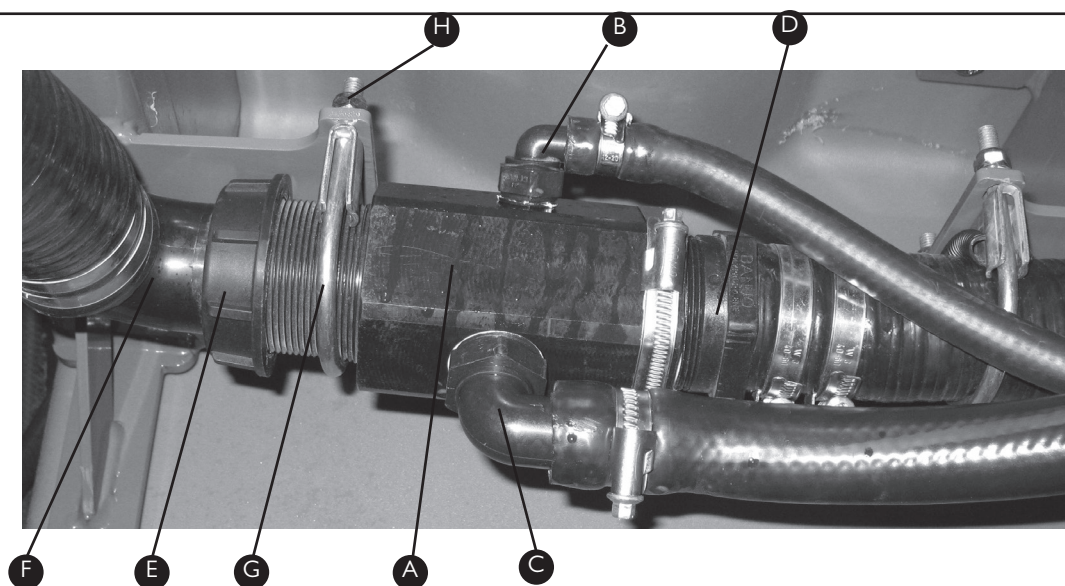
Item	Part No	Description	Quantity
A	GA5001333	2" Fill Filter with 50 Mesh	1
B	GA5077641	2" Pipe Coupling	1
C	GA5077740	2" Elbow	1
D	GA5077718	1" Hose Barb	1
E	GA5077659	2" Female Elbow	1
F	GA5077737	2" Hose Barb	1

Item	Part No	Description	Quantity
G	MACH0311	Hex Coupler	1
H	GA5016233	6mm x 1/4" Swivel Elbow	1
I	GA5006689	2 5/8" Clamp	2
J-1	GA5004917	M8 Nyloc Nut	4
J-2	GA5003643	8mm Washer	4

\* Standard feature on Prairie Advance EF and optional feature on Prairie EF



## INTAKE FLOW DIVERTER\*

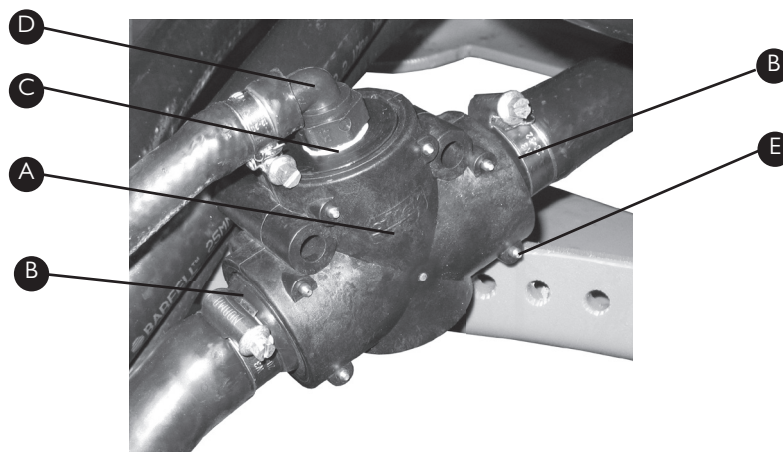


Item	Part No	Description	Quantity
A	MACH0311	Hex Coupler	1
B	GA5077708	1/2" Elbow	1
C	GA5077723	1" Elbow	1
D	GA5077737	2" Barb	1
E	GA5076605	2" Fly Nut	1

Item	Part No	Description	Quantity
F	GA5076262	2" Elbow	1
G	GA5006689	2 5/8" Clamp	2
H-1	GA5004917	M8 Nyloc Nut	4
H-2	GA5003643	8mm Washer	4

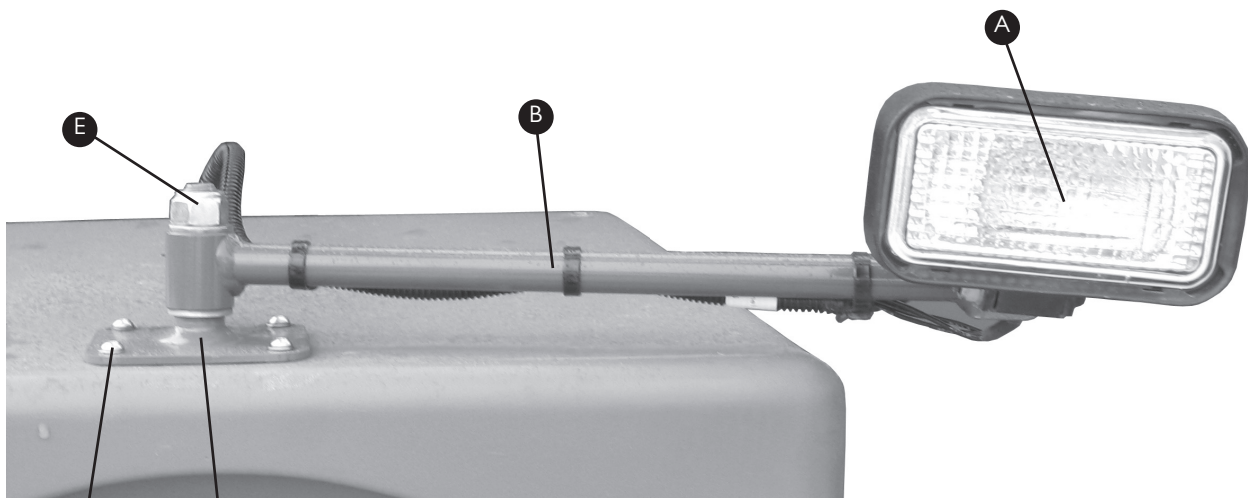
\* Fitted to Prairie EF when no fill filter is optioned

## INDUCTION HOPPER POWDER JET TEE



Item	Part No	Description	Quantity
A	GA5065555	Tee Piece	1
B	GA5065580	1" Plug in Barb	2
C	GA4582345	1/2" Dummy Plug	1
D	GA5077708	1/2" Elbow	1
E	GA5065690	Retainer Clip	3

## WORK LIGHT\*



Item	Part No	Description	Quantity
A	GA5051350	Work Light	1
B	GA4657106	Light Arm	1
C	GA4657105	Light Mounting Base	1
D-1	GA5004053	M6 x 20mm Button Head	
		Cap Screw	4
D-2	GA5048115	M6 Nyloc Nut	4
D-3	GA5004437	6mm Washer	8
E-1	GA5001029	M16 Nyloc Nut	1
E-2	GA1001009	16mm Washer	2

\* For Prairie Advance EF only

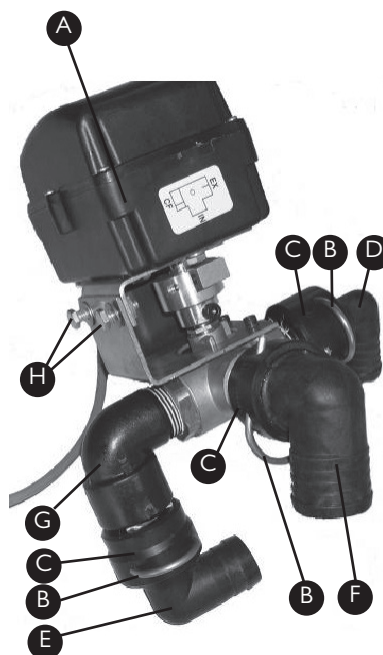


## FAST CLOSE VALVE

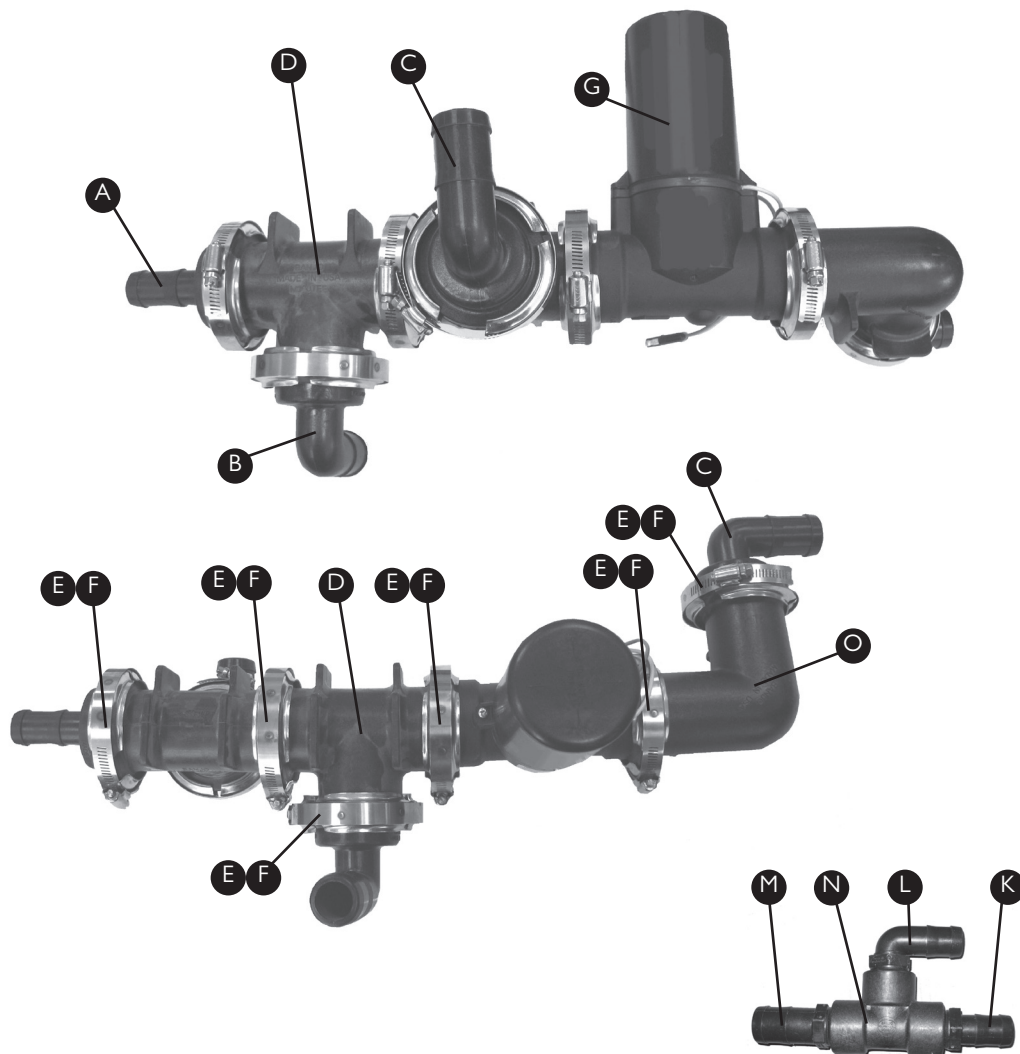
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Assembly Part No GA4903091

Item	Part No	Description	Quantity
A	GA5076332	Raven Fast Close Valve	1
B	GA5065690	Safety Pin AS40	3
C	GA4582385	AS40 to 1" NPT Coupling	3
D	GA5065615	1" x AS40 Poly Elbow	1
E	GA5065620	1 1/4" x AS40 Poly Elbow	1
F	GA5065625	1 1/2" x AS40 Poly Elbow	1
G	GA5078137	1" Male to Female Elbow	1
H-1	GA5006169	1/4" x 3/4" UNC Bolt	2
H-2	GA5004437	6mm Washer S/S	2



# BUTTERFLY VALVE



## Assembly Part No GA4903126

Item	Part No	Description	Quantity
A	GA5077826	2" Flange x 1" Hose Barb	1
B	GA5077834	2" Flange x 1 1/2" Hose Barb	
		Poly Elbow	1
C	GA5077831	2" Flange x 1 1/4" Hose Barb	
		Poly Elbow	2
D	GA5077854	2" Flanged Tee	2
E	GA5009335	Flange Gasket	7
F	FC200	Screw Clamp	7
G	GA5075880	1 1/2" Poly Control Valve	1
H	GA4534045	Mounting Bracket*	1

Item	Part No	Description	Quantity
I	GA5077945	1" Poly Plug*	1
J-1	GA5004073	M8 x 25mm Bolt*	3
J-2	GA5004917	M8 Nyloc Nut*	3
J-3	GA5003643	8mm Washer*	6
K	GA5077718	1" Hose Barb	1
L	GA5077723	1" Poly Elbow	2
M	GA5077722	1" x 1 1/4" Hose Barb	1
N	GA5078151	1" Female Tee	1
O	GA5077842	2" Flanged Elbow	1

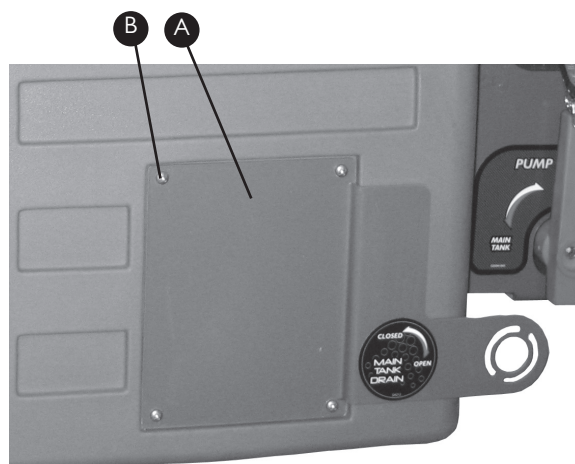
Note: Butterfly Valve Assembly is an option when a Fast close Valve is not desired

\* Not Shown in Photos

## FRONT INFILL PLATE

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Item	Part No	Description	Quantity
A	GA4522520	Blank Fill Panel	1
	F70651A	Infill Plate for Remote Sump	
		Drain	1
B	GA5014821	12g x 1/2" Screw	4



# CHAPTER 6

## DCI



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# COMPLETE UNITS

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Part No	Description
GA4900807-PA-1	Single DCI Unit
GA4900807-PA-2	Twin DCI Unit

# DCI TANKS

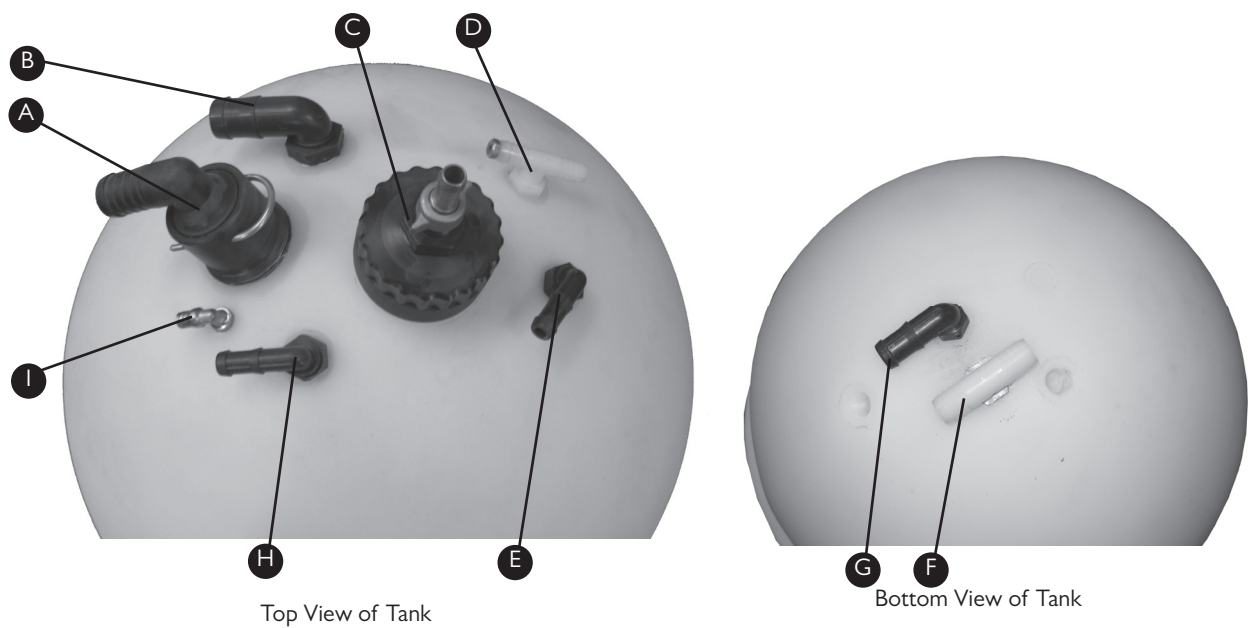
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Part No	Description
GA5020635	120L DCI Tank
GA5018495	165L DCI Tank





# TANK FIT OUT



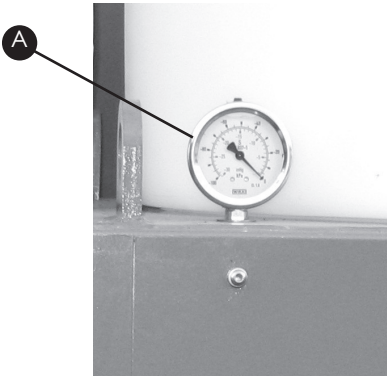
Item	Part No	Description	Quantity
A	GA4900807-9	Fill Shut off Valve	1
B	GA5077723	1" Poly Elbow	1
C	GA4903050	Transcal Cap Assembly	1
D	GA3500391	1/2" Poly Tee	1
E	A1814	1/8" x 1/4" Barb	1

\* Note: Barb Removed from item to act as a restrictor

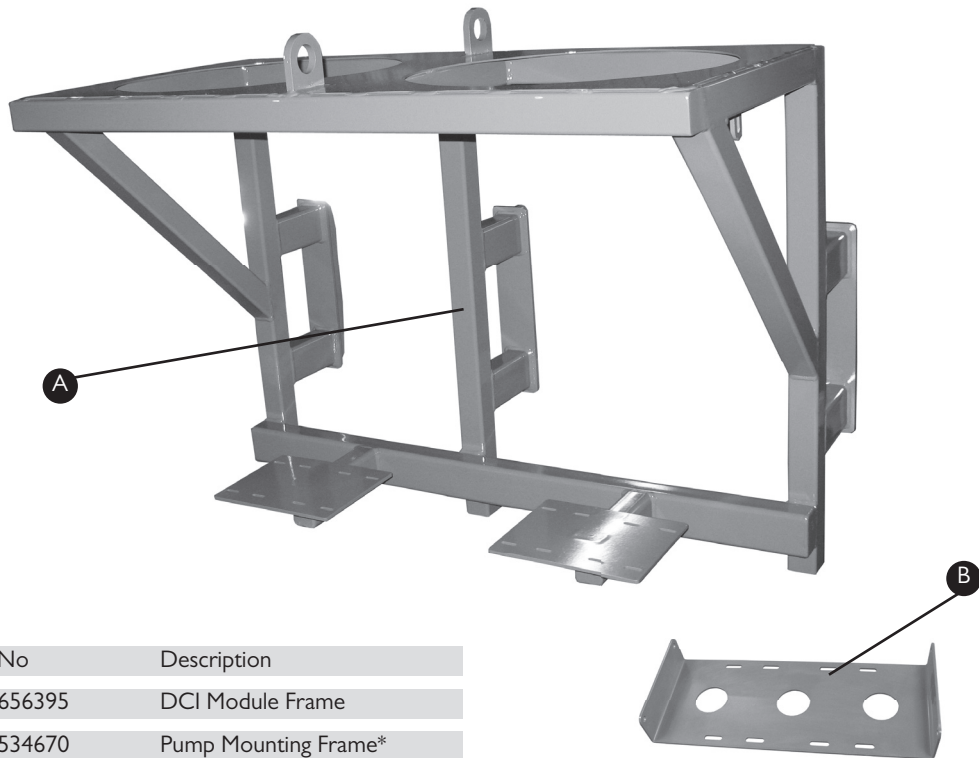
Item	Part No	Description	Quantity
F	GA3500431	3/4" Poly Tee	1
G	GA5077704	1/2" x 3/4" Poly Elbow	1
H	GA5077708	1/2" Poly Elbow	1
I	GA5016233	1/4" Hydrostatic Elbow	1
J		1/8" Hose Barb*	1

# TANK VACUUM GAUGE

Item	Part No	Description	Quantity
A-1	GA5051030	Vacuum Gauge (100kPa)	1
A-2	GA5015469	1/4" Socket	1
A-3	GA5016233	1/4" Hydrostatic Elbow	1



## MOUNTING FRAMES



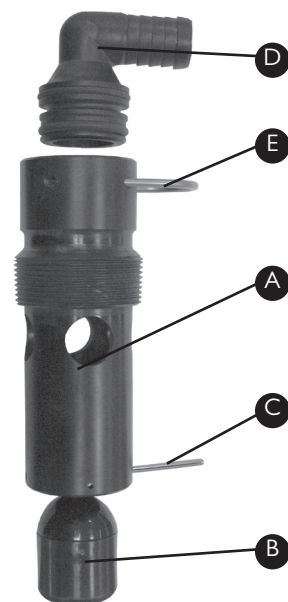
Item	Part No	Description
A	GA4656395	DCI Module Frame
B	GA4534670	Pump Mounting Frame*

\* For 3rd DCI unit

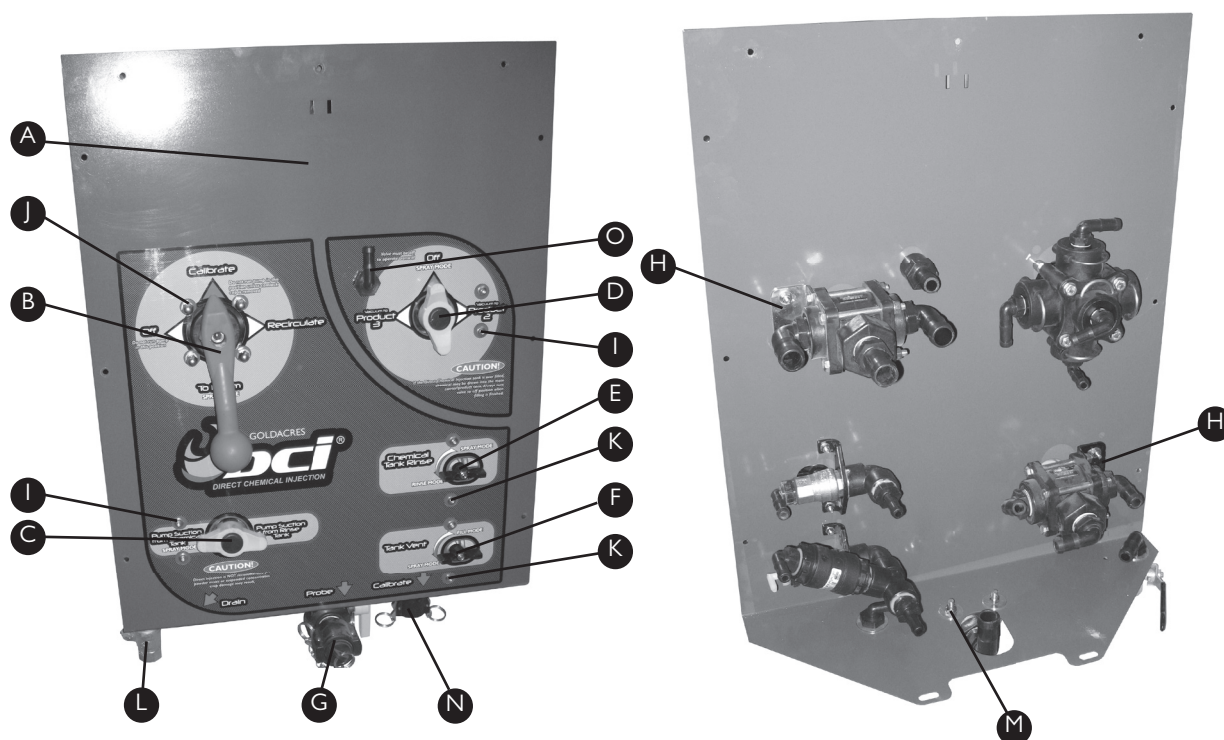
## FILL SHUT OFF VALVE

Assembly Part No GA4900807-9

Item	Part No	Description	Quantity
A	GA4552140	Stop Valve Housing	1
B	GA5066840	Ball Float	1
C	GA5066835	2.5mm x 50mm Roll Pin	1
D	GA5065615	Elbow	1
E	GA5065690	Retainer Pin (AS40)	1



## FRONT PANEL ASSEMBLY FOR SINGLE/DOUBLE UNITS

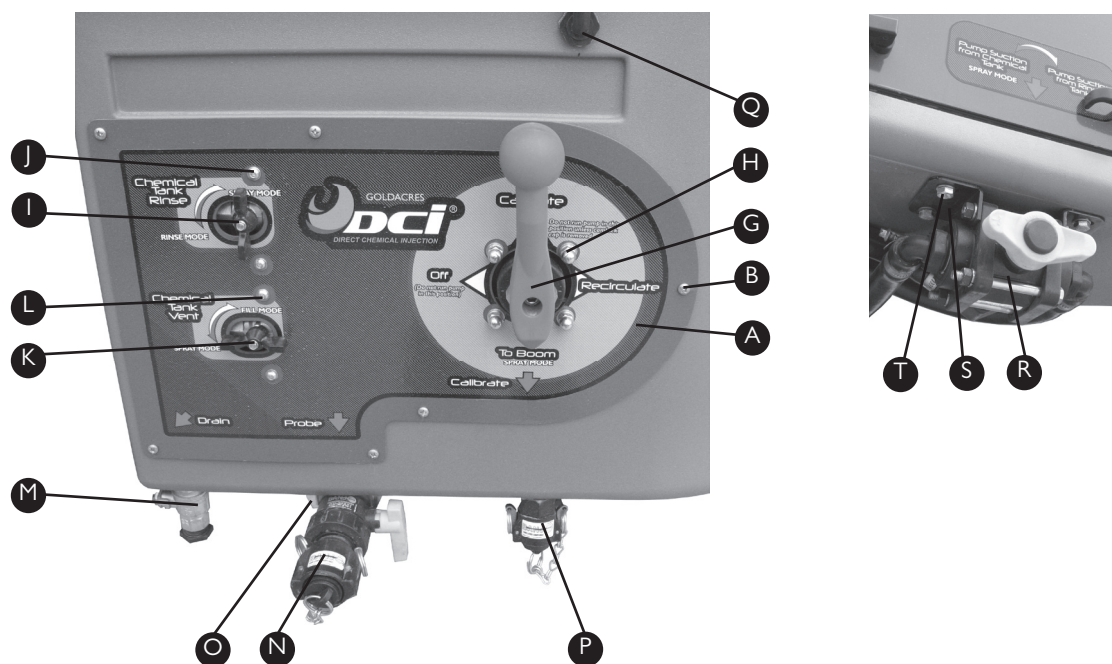


Assembly Part No GA4900807-1

Item	Part No	Description	Quantity
A	GA4502180	DCI Front Cover Plate	1
B	GA4900807-2	Rotary Valve Assembly	1
C	GA4900807-3	Pump Suction Valve	1
D	GA4900807-4	Tank Vacuum Valve	1
E	GA4900807-5	Tank Rinse Valve	1
F	GA4900807-6	Tank Vent Valve	1
G	GA4900807-7	Chem Probe Coupling	1
H	GA4502210	Ball Valve Mounting Plate	2
I-1	GA5004707	M8 x 20mm Cap Screw	4
I-2	GA5004917	M8 Nyloc Nut	4
I-3	GA5003643	8mm Washer	8
J-1	GA5011501	M8 x 120mm Bolt	4
J-2	GA5011457	M8 Dome Nut	4
J-3	GA5003643	8mm Washer	8
J-4	GA4552135	Spacer for Rotary Valve	4

Item	Part No	Description	Quantity
K-1	GA5004053	M6 x 20mm Button Head	
		Cap Screw	4
K-2	GA5048115	M6 Nyloc	4
K-3	GA5004437	6mm Washer	8
L-1	GA5002463	3/4" Ball Valve	1
L-2	GA5077709	3/4" Male Barb	1
M-1	GA5006705	2" x 8mm Clamp	1
M-2	GA5004917	M8 Nyloc	2
M-3	GA5003643	8mm Washer	2
N-1	GA5077132	3/4" Female Camlock	1
N-2	GA5077137	3/4" Plug on Chain	1
N-3	GA5077717	3/4" Male Elbow	1
N-4	GA5077124	3/4" Male Camlock	1
O-1	GA5077710	3/4" x 1/2" Elbow	1
O-2	GA5077743	3/4" Female Barb	1

## ASSEMBLY FOR THIRD DCI UNIT

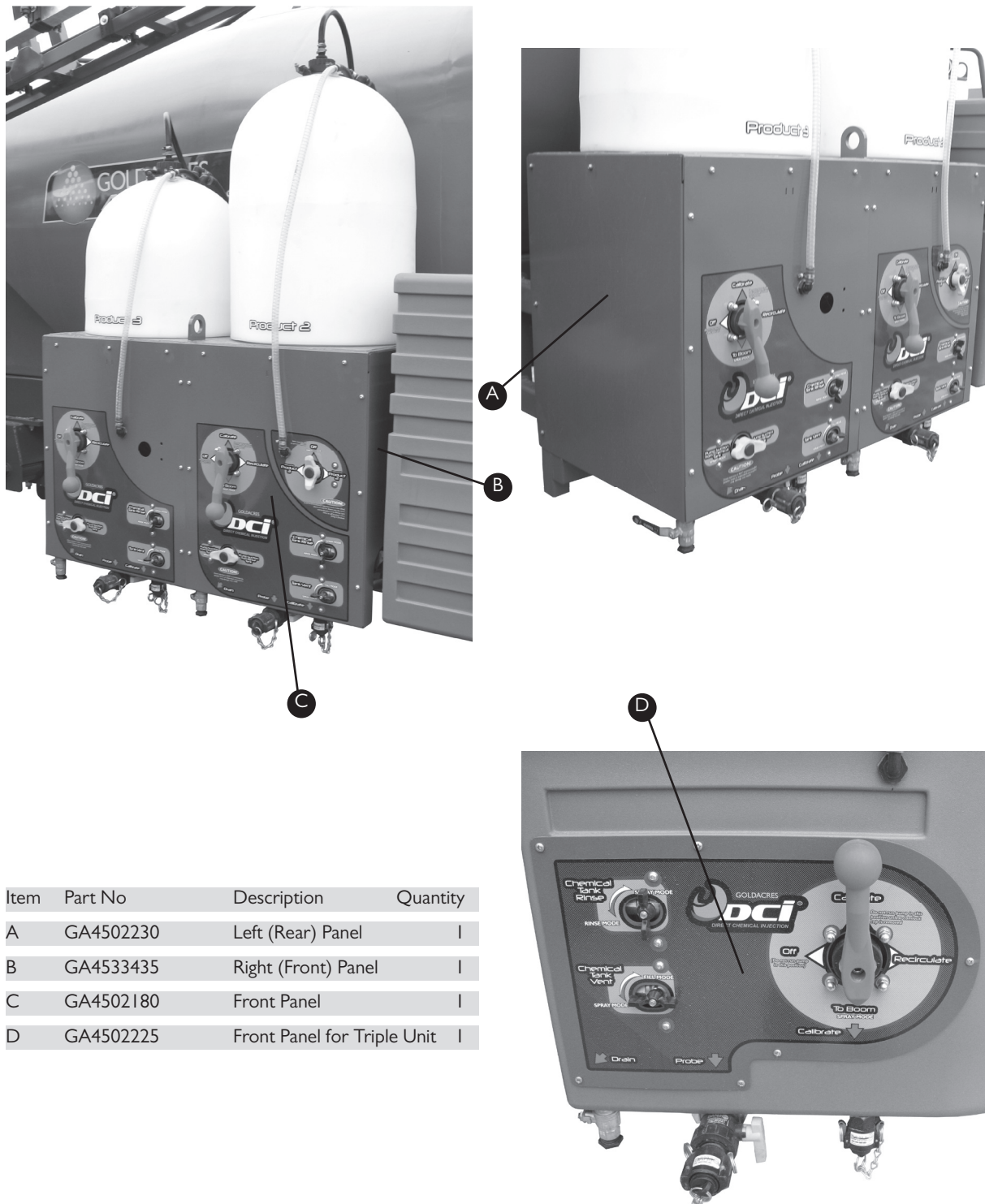


Item	Part No	Description	Quantity
A	GA4502225	Front Cover Panel	1
B	GA5014821	12G x 1 1/2" Screw	7
C	GA4534670	Pump Mounting Plate	1
D	GA4900807-10	DCI Pump Assembly	1
E-1	GA5004711	M8 x 25mm Bolt	4
E-2	GA5004917	M8 Nyloc Nut	4
E-3	GA5003643	8mm Washer	8
F-1	GA5004041	M6 x 16mm Bolt	4
F-2	GA5048115	M6 Nyloc Nut	4
F-3	GA5004437	6mm Washer	8
G	GA4900807-2	Rotary Valve Assembly	1
H-1	GA5011501	M8 x 120mm Bolt	4
H-2	GA5011457	M8 Dome Nut	4
H-3	GA5003643	8mm Washer	8
I	GA4900807-5	Tank Rinse Valve Assembly	1
J-1	GA5004053	M6 x 20mm Button Head	
		Cap Screw	2
J-2	GA5048115	M6 Nyloc Nut	2
J-3	GA5004437	6mm Washer	4
K	GA4900807-6	Tank Vent Valve Assembly	1
L-1	GA5004053	M6 x 20mm Button Head	
		Cap Screw	2

Item	Part No	Description	Quantity
L-2	GA5048115	M6 Nyloc Nut	2
L-3	GA5004437	6mm Washer	4
M-1	GA5002463	3/4" Ball Valve	1
M-2	GA5077709	3/4" Male Barb	1
N	GA4900807-7	Chem Probe Coupling Valve	
		Assembly	1
O-1	GA5006705	2" x 8mm Clamp	1
O-2	GA5004917	M8 Nyloc Nut	2
O-3	GA5003643	8mm Washer	2
P-1	GA5077132	3/4" Female Camlock	1
P-2	GA5077137	3/4" Plug on Chain	1
P-3	GA5077717	3/4" Male Elbow	1
P-4	GA5077124	3/4" Male Camlock	1
Q-1	GA5077717	3/4" x 1 1/2" Elbow	1
Q-2	GA5077743	3/4" Female Barb	1
R	GA4900807-3	Pump Suction Valve	1
S	GA4502210	Ball Valve Mounting Plate	2
T-1	GA5004707	M8 x 20mm Cap Screw	4
T-2	GA5004917	M8 Nyloc Nut	4
T-3	GA5003643	8mm Washer	8



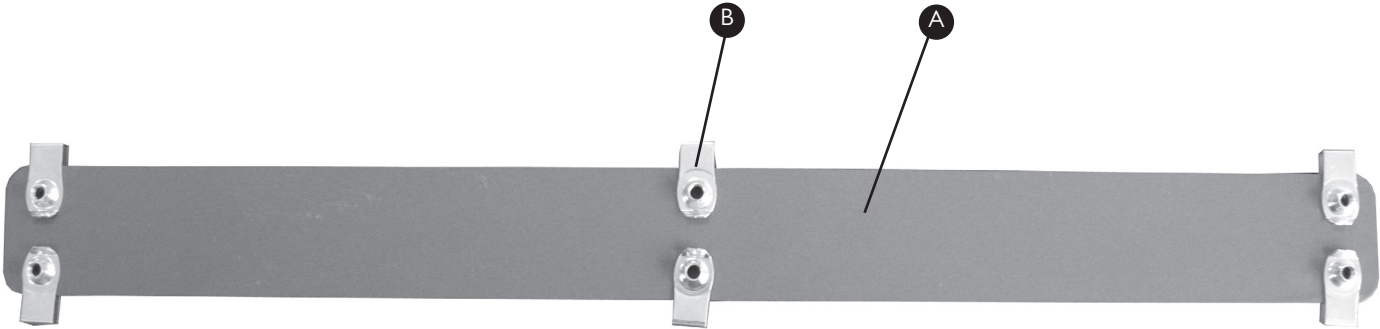
## COVER PANELS



Item	Part No	Description	Quantity
A	GA4502230	Left (Rear) Panel	1
B	GA4533435	Right (Front) Panel	1
C	GA4502180	Front Panel	1
D	GA4502225	Front Panel for Triple Unit	1



# FRONT PANEL ALIGNMENT STRIP



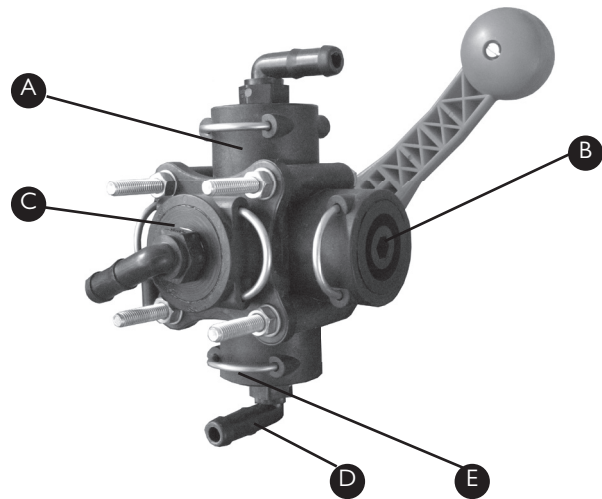
Assembly Part No GA4900807-11			
Item	Part No	Description	Quantity
A	GA4502235	Alignment Strip	1
B	GA5066830	M6 Speed Clip	6

## VALVE ASSEMBLIES

### Rotary Valve Assembly

Assembly Part No GA4900807-2

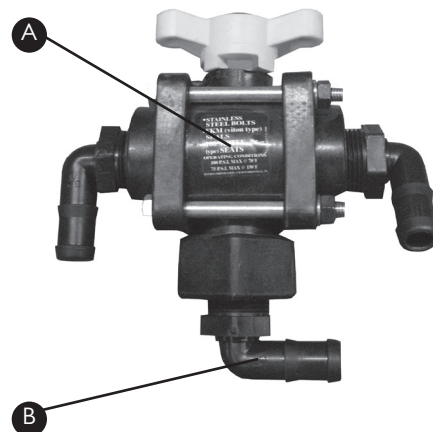
Item	Part No	Description	Quantity
A	GA5065530	5 Way Rotary Valve	1
B	GA5065680	Blank Plug	1
C	GA4582345	Threaded Plug	4
D	GA5077708	1/2" Elbow	4
E	GA5065690	Retainer Pin	5



### Pump Suction Valve Assembly

Assembly Part No GA4900807-3

Item	Part No	Description	Quantity
A	GA5078177	3 Way Ball Valve (Bottom Load)	1
B	GA5077719	1" x 3/4" Elbow	3

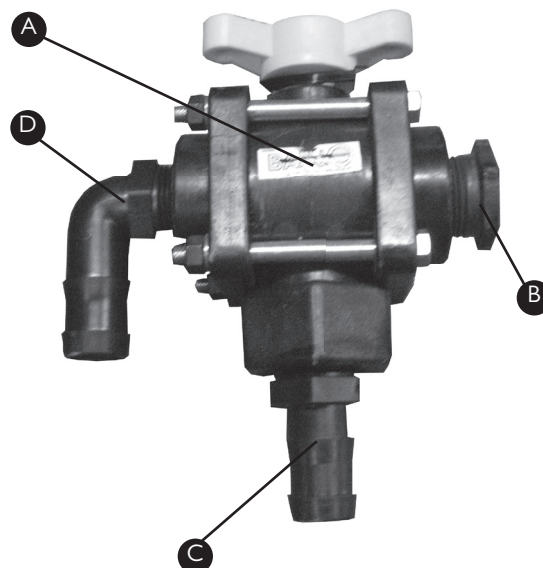


## VALVE ASSEMBLIES

### Tank Vacuum Valve Assembly

Assembly Part No GA4900807-4

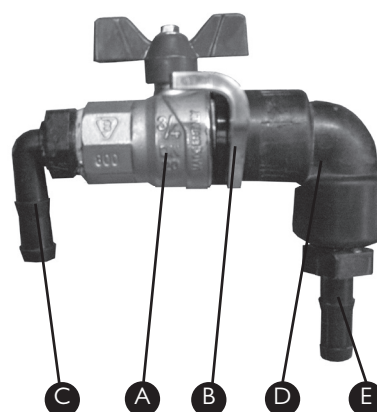
Item	Part No	Description	Quantity
A	GA5078177	3 Way Ball Valve (Bottom Load)	1
B	GA5077945	1" Plug	1
C	GA5077718	1" Straight Hose Barb	1
D	GA5077723	1" Elbow	1



### Tank Rinse Valve Assembly

Assembly Part No GA4900807-5

Item	Part No	Description	Quantity
A	GA5018315	20mm Ball Valve	1
B	F70648A	Valve Mounting Plate	1
C	GA5077710	3/4" x 1/2" Elbow	1
D	GA5077653	3/4" Elbow	1
E	GA5077713	3/4" x 1/2" Straight Barb	1



## VALVE ASSEMBLIES

### Tank Vent Valve Assembly

Assembly Part No GA4900807-6

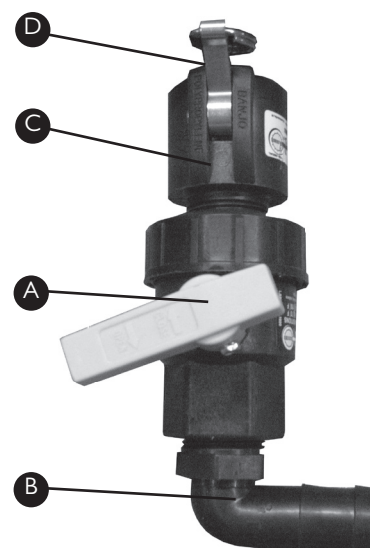
Item	Part No	Description	Quantity
A	GA5018315	20mm Ball Valve	1
B	F70648A	Valve Mounting Plate	1
C	GA5077710	3/4" x 1/2" Elbow	1
D	GA5078135	3/4" Elbow	1
E	GA5078150	3/4" Female Tee	1
F	GA5002473	3/4" Check Valve	1
G	GA5078010	Reducing Bush	1
H	GA5077656	1/2" x 1/4" Elbow	1
I	GA5077913	3/4" Nipple	1
J	GA5077713	3/4" x 1/2" Straight Barb	1



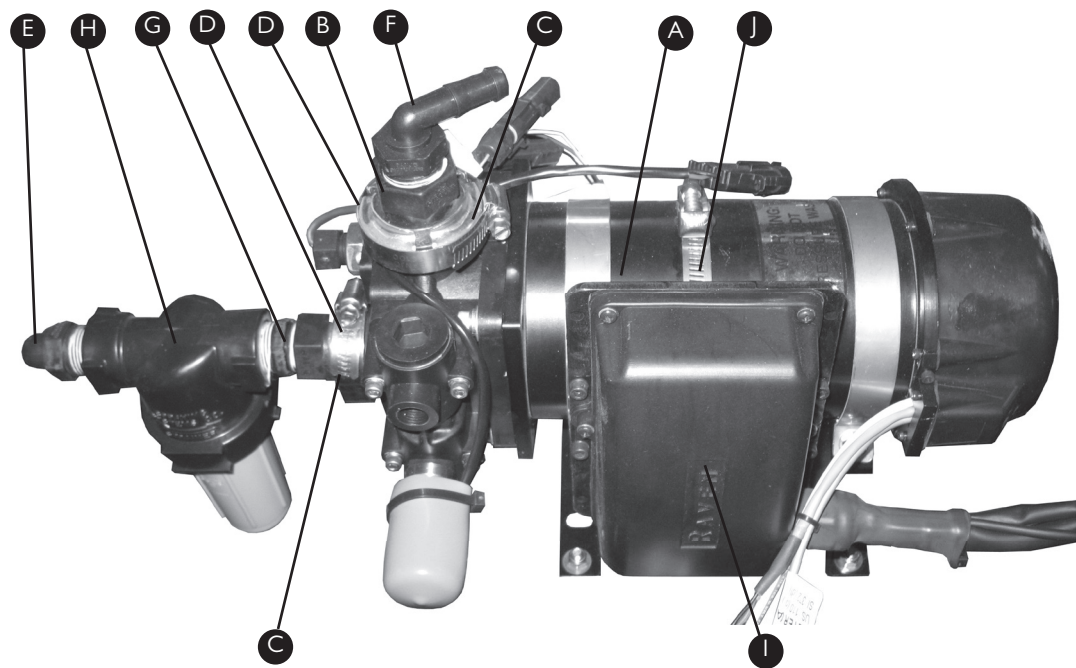
### Chem Probe Coupling Valve Assembly

Assembly Part No GA4900807-7

Item	Part No	Description	Quantity
A	GA5078164	1" Ball Valve (Full Port)	1
B	GA5077723	1" Elbow	1
C	GA5076007	Coupler	1
D	GA5076013	1" Female Plug	1



# DCI PUMP ASSEMBLY

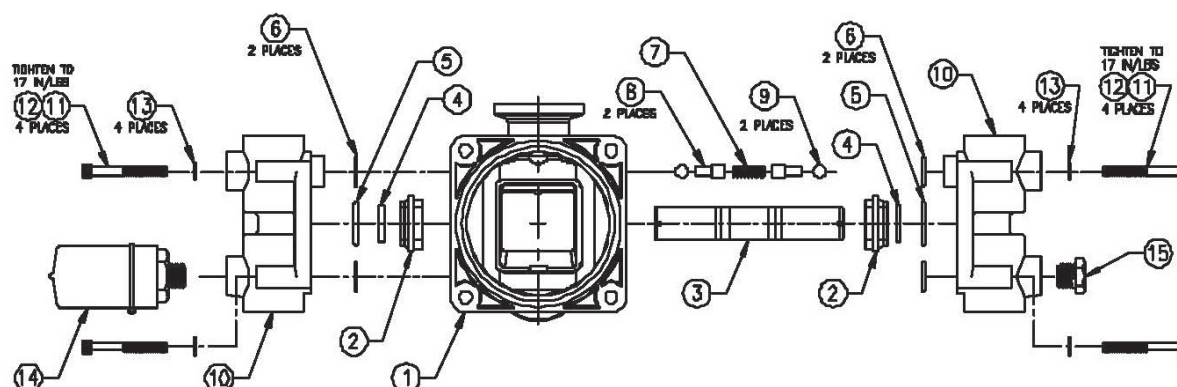


Assembly Part No GA4900807-10			
Item	Part No	Description	Quantity
A	GA5075914	High Volume DCI Pump	1
	GA5075924	Low Volume DCI Pump	1
B	GA5077804	3/4" Threaded Fitting	2
C	GA5077818	Gasket	2
D	GA5077664	Screw Clamp	2
E	GA5077717	3/4" Elbow	1

Item	Part No	Description	Quantity
F	GA5077710	1/2" x 3/4" Elbow	1
G	GA5077913	3/4" Nipple	1
H	AA124A-3/4-PP-200 Filter*		1
I	GA5075919	Electrical Node	1
J	GA5076311	Node Mounting Bracket	1



## DCI PUMP PARTS

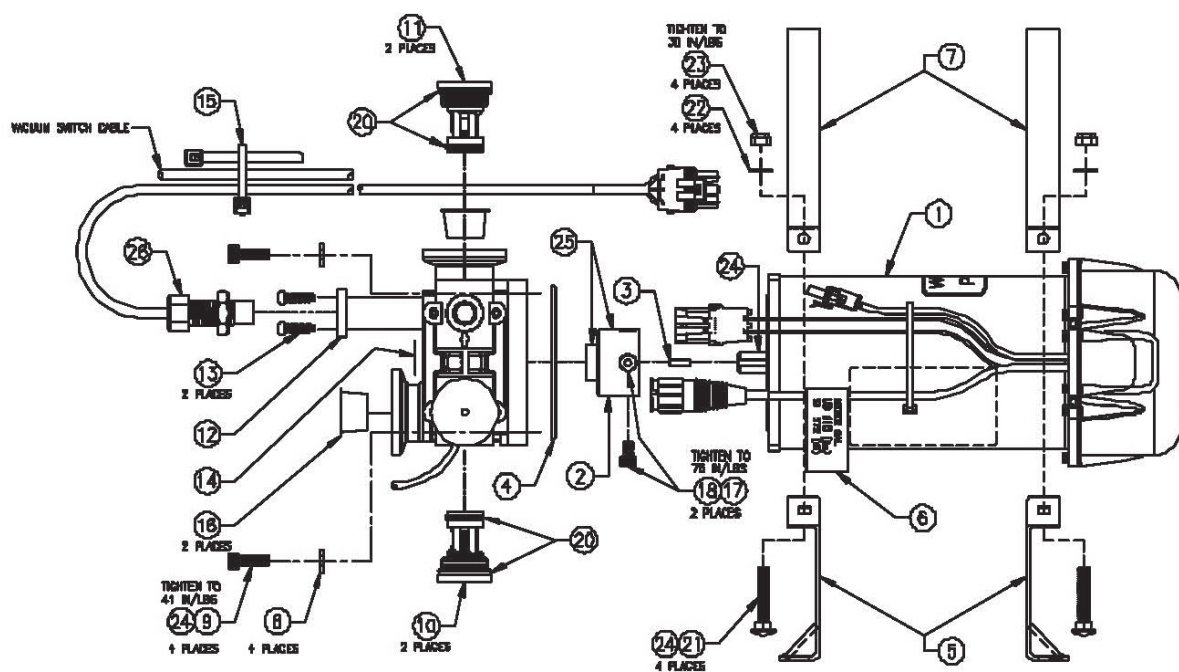


### Pump Seal Kit - GA5076312

Item	Part No	Description
1	107-0171-523	Housing, 3/4" Injection Pump
2	GA5076819	Bearing, Piston
3	GA5076054	Piston, 3/4" Pump
4	GA5076655	Seal, Slipper
5	GA5076669	O-Ring
6	GA5076660	O-Ring
7	GA5076752	Spring
8	063-0172-518	Magnet Assembly

Item	Part No	Description
9	GA5076806	Ball
10	GA5076053	Head, 3/4" Pump
11	GA5076739	Screw 10-24 x 1 1/2" SS
12	222-1001-079	Anti-Sieze Compound, Nickel
13	313-3000-014	Washer, Internal Tooth Lock
14	GA5075847	Swieth, Vaccum
15	333-0009-061	Plug, Hex, Pipe

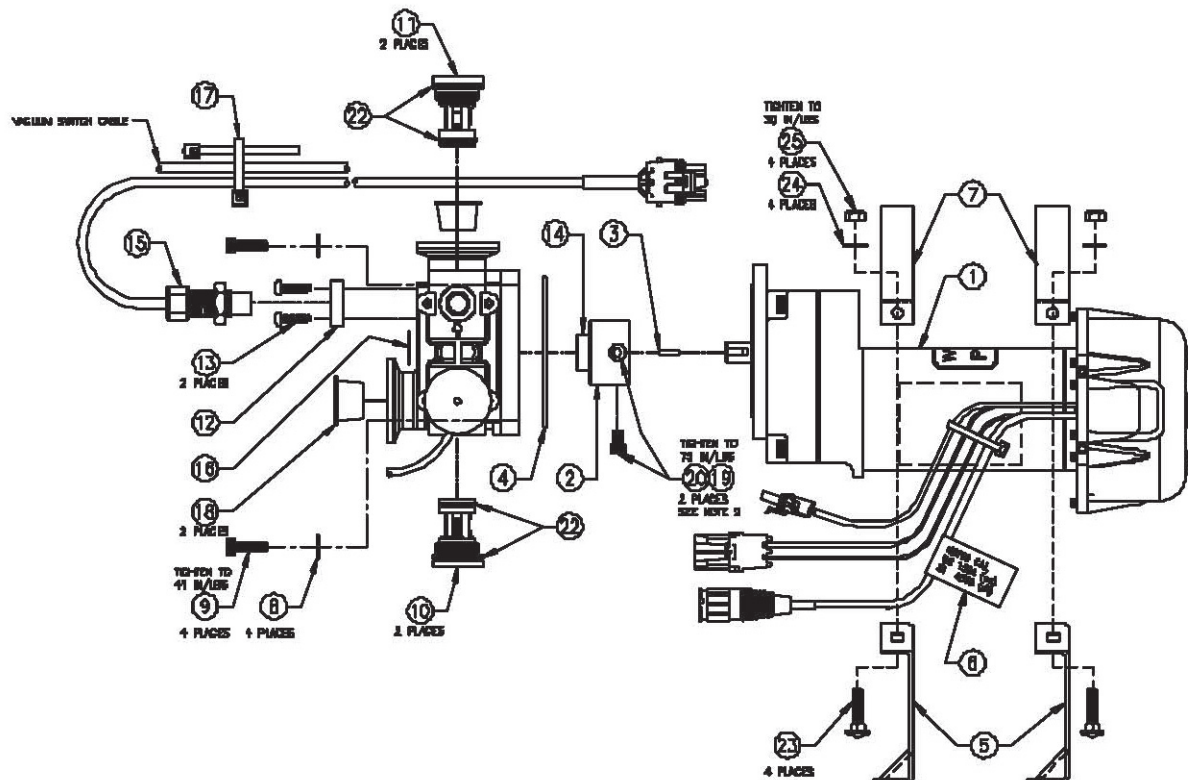
# HIGH VOLUME DCI PUMP PARTS



Item	Part No	Description
1	063-0172-500	Motor/Tach Assembly
2	GA5075921	Bearing Assembly
3	GA5076055	Key
4	GA5076659	O-Ring
5	107-0171-589	Bracket, Mounting, Pump/Motor
6	041-0159-718	Label, Meter Cal
7	107-0171-594	Strap
8	313-3000-017	Washer, Internal Tooth, Lock 1/4" SS
9	311-0073-066	Screw, Socket Heat, Cap 1/4"-20 x 3/4"
10	GA5075922	Cartridge, Intake
11	GA5075923	Cartridge, Discharge
12	106-0159-539	Bracket, Sensor
13	311-0004-040	Screw

Item	Part No	Description
14	041-0159-710	Label, Serial
15	435-1000-003	Tie, Cable
16	118-0159-041	Cap, Tapered
17	222-1001-029	Thread Sealant Loctite #242
18	GA5076736	Screw, Cap, Hex Socket Head 1/4-20 x 1/4
19	GA5075673	Manual (Not Shown)
20	222-0000-002	Grease, Lubricating, Versilube
21	311-0069-004	Bolt, 1/4"-20 x 1"
22	313-2300-009	Washer
23	312-4000-057	Nut
24	222-1001-079	Anti-Sieze Compound, Nickel
25	222-1001-114	Grease

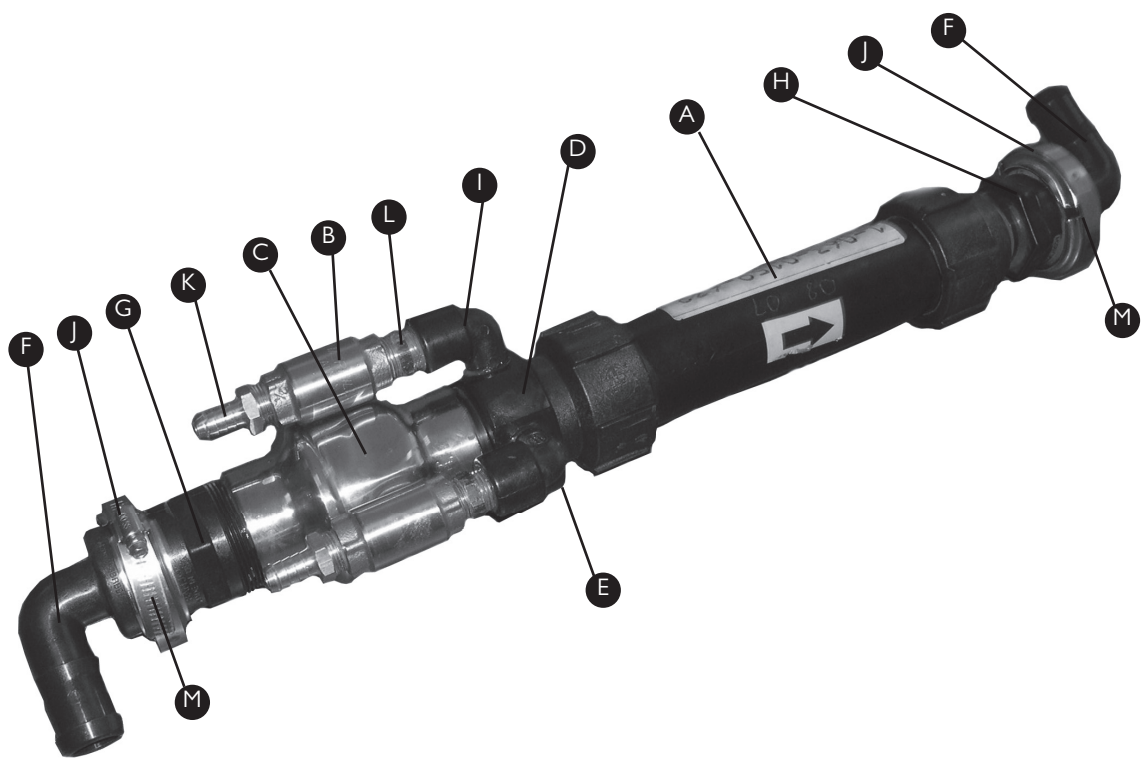
## LOW VOLUME DCI PUMP PARTS



Item	Part No	Description
1	063-0172-527	Motor/Tach Assembly
2	GA5075921	Bearing Assembly
3	GA5076055	Key
4	GA5076659	O-Ring
5	107-0171-599	Bracket, Mounting, Pump/Motor
6	041-0159-720	Label, Meter Cal
7	107-0171-600	Strap
8	313-3000-017	Washer, Internal Tooth, Lock 1/4" SS
9	311-0073-066	Screw, Socket Head, Cap 1/4"-20 x 3/4"
10	GA5075922	Cartridge, Intake
11	GA5075923	Cartridge, Exhaust
12	106-0159-539	Bracket, Sensor
13	311-0004-040	Screw

Item	Part No	Description
14	222-1001-114	Grease
15	GA5075926	Sensor, Universal, Flowmeter
16	041-0159-721	Label, Serial
17	435-1000-003	Tie, Cable
18	118-0159-041	Cap, Tapered
19	222-1001-029	Thread Sealant Loctite #242
20	GA5076736	Screw, Cap, Hex Socket Head 1/4-20 x 1/4
21	GA5075673	Manual (Not Shown)
22	222-0000-002	Grease, Lubricating, Versilube
23	311-0069-004	Bolt, 1/4"-20 x 1"
24	313-2300-009	Washer
25	312-4000-057	Nut

# CHEMICAL MIXER



Pre-Assembled DCI Chemical Mixers	
Part No	Description
GA4903101	Single Chemical Mixer
GA4903102	Twin Chemical Mixer
GA4903103	Triple Chemical Mixer

Assembly Part No GA4903102			
Item	Part No	Description	Quantity
A	GA5075831	Mixer Body	1
B	GA5051380	1/2" Check Valve	2
C	GA5050135	2" Check Valve	1
D	GA4582310	Poly Tee Piece	1
E	GA5077943	1/2" Plug	1
F	GA5077831	1 1/4" Elbow	2
G	GA5077839	2" Connector	1

Item	Part No	Description	Quantity
H	GA5077832	2" to 1 1/4" Connector	1
I	GA5078133	1/2" Elbow	2
J	FC200	Screw Clamp	2
K	GA5049350	1/2" Hosetail	2
L	GA5048310	1/2" Nipple	2
M	GA5076467	Gasket	2

Note: Twin product mixer configuration shown. Substitute Item E for Items I,L,B,K and vice versa to create alternate product number mixing configurations.

# CHAPTER 7

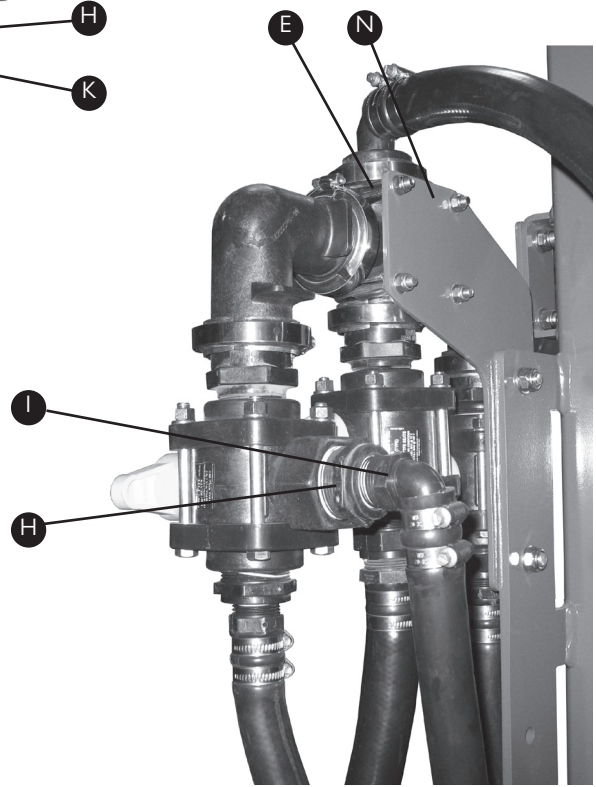
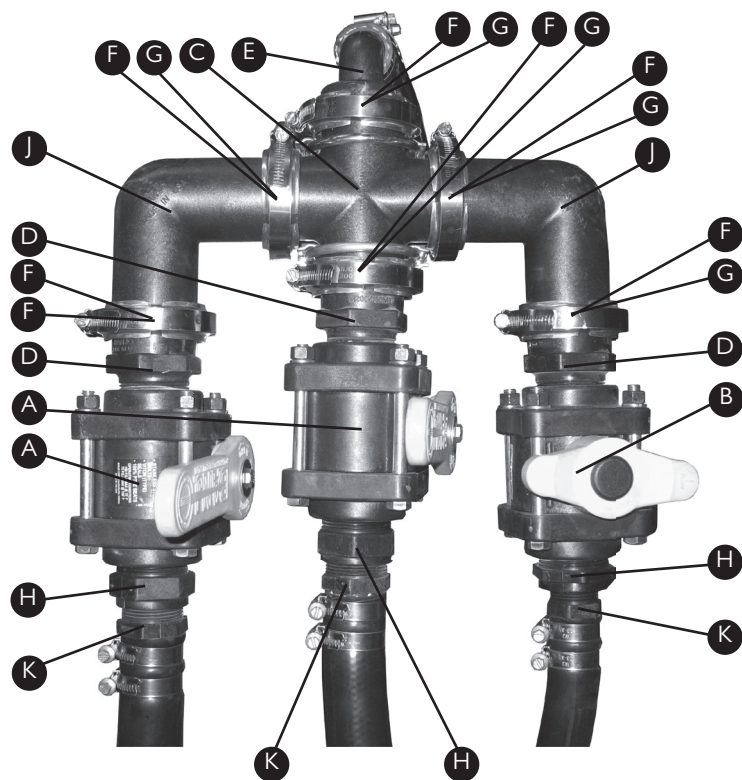
## DUAL PRODUCT



Dual Product Manifold . . . . .	7-2
Ramsey Valve . . . . .	7-3
Dual Product and DCI Mixer . . . . .	7-4
Dual Pressure Filters . . . . .	7-5



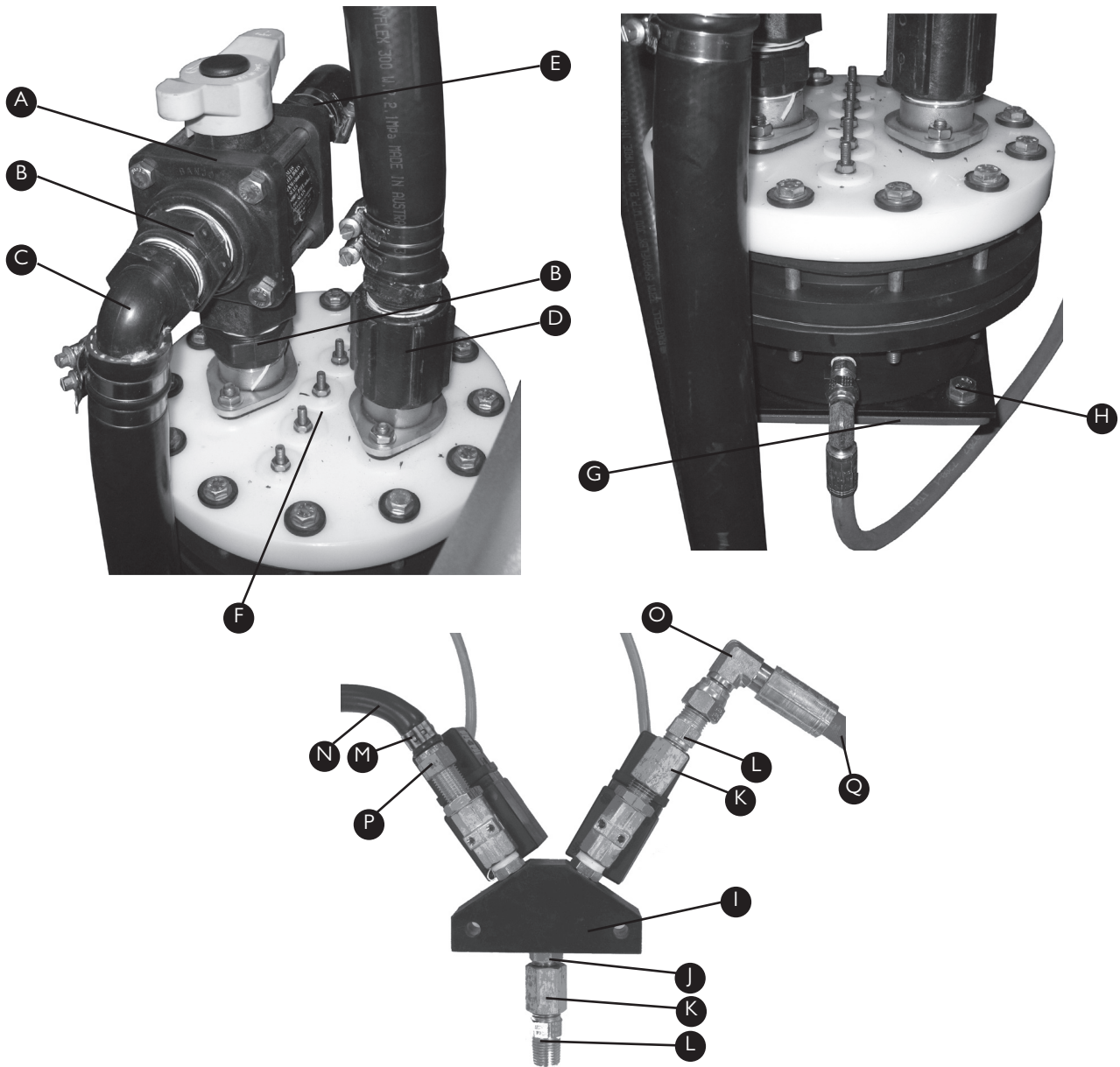
DUAL PRODUCT MANIFOLD



Item	Part No	Description	Quantity
A	GA5078185	1 1/2" Ball Valve	2
B	GA5078186	1 1/2" 3 Way Ball Valve	1
C	GA5077844	2" Flanged Cross	1
D	GA5077835	2" Flange to 1 1/2 Male	3
		Thread Connector	
E	GA5077831	2" Flange to 1 1/4" Elbow	1
F	GA5076467	Gasket	6
G	FC200	Screw Clamp	6

Item	Part No	Description	Quantity
H	GA5078019	1 1/2" x 1 1/4" Bush	4
I	GA5077730	1 1/4" Elbow	1
J	GA5077842	2" Flanged Elbow	2
K	GA5077724	1 1/4" Hose Barb	3
L	GA5006689	2 5/8" Clamp	2
M-1	GA5004917	M8 Nyloc Nut	4
M-2	GA5003643	8mm Washer	4
N	GA4514310	Manifold Mounting Plate	1

# RAMSAY VALVE

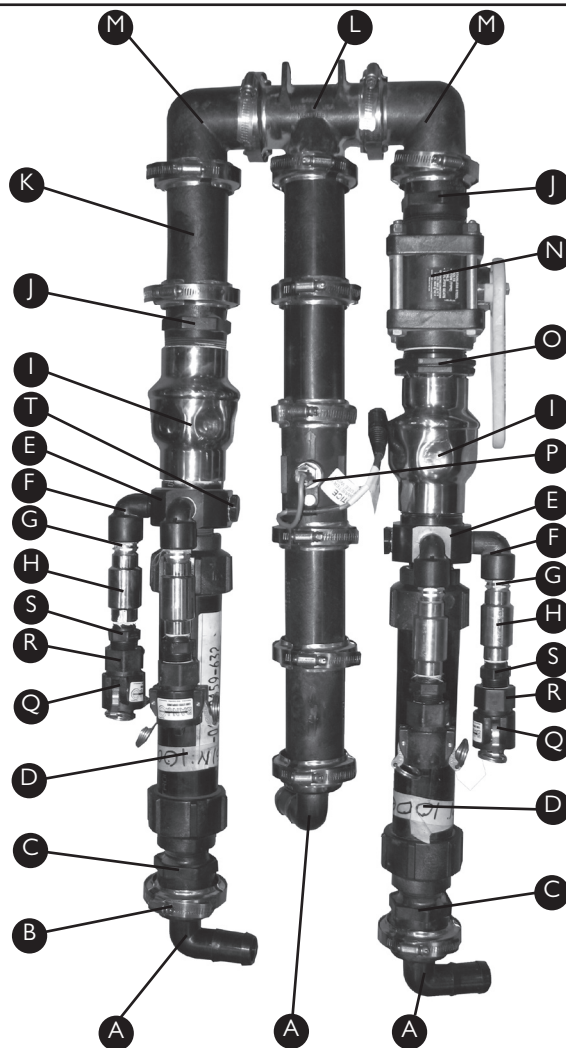


Item	Part No	Description	Quantity
A	GA5078186	1 1/2" 3 Way Ball Valve	1
B	GA5078019	1 1/2" x 1 1/4" Bush	3
C	GA5077730	1 1/4" Elbow	1
D	GA5077639	1 1/4" Coupler	1
E	GA5077724	1 1/4" Hose Barb	1
F	GA5010315	Ramsay Valve*	1
G	GA4522105	Mounting Plate	1
H-1	GA5006097	M10 x 30mm Bolt	4
H-2	GA5000141	M10 Nyloc Nut	4
H-3	GA5000117	10mm Washer	8

Item	Part No	Description	Quantity
I	GA5061055	Twin Solenoid Body	1
J	GA5013809	Reducing Nipple	1
K	GA5015469	1/4" Socket	2
L	GA3500218	1/4" Nipple	2
M	GA5007225	12/8 Cobra Clamp	1
N	GA2000200	7mm Pressure Hose 1000mm	
O	GA3500408	1/4" Female Elbow	1
P	GA3500397	1/4" Female Fitting	1
Q	GA3500180	1/4" Hydraulic Hose 1400mm	

Note: Replacement Diapham Kit Available Part No: GA5061045

## DUAL PRODUCT AND DCI MIXER



Item	Part No	Description	Quantity
A	GA5077831	2" Flange to 1 1/4" Hose	
		Barb Elbow	3
B-1	FC200	Screw Clamp	13
B-2	GA5009335	Rubber Seal	13
C	GA5077832	2" Flange to 1 1/4" Threaded	
		Connector	2
D	GA5075831	1 1/4" Inline Mixer	2
E	GA4582310	Inline Tee	2
F	GA5078133	1/2" Elbow	4
G	GA5048310	1/2" Nipple	4
H	GA5051380	1/2" Check Valve	4
I	GA5050135	2" Check Valve	2
J	GA5077839	2" Flange to Thread	
		Connector	2

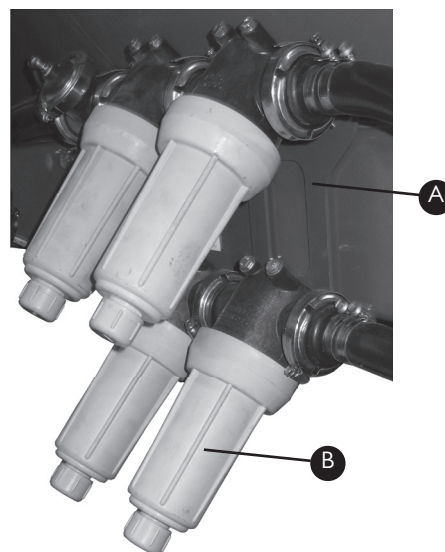
Item	Part No	Description	Quantity
K	GA5077840	2" Flange to Flange	
		Connector	5
L	GA5077854	2" Flanged Tee	1
M	GA5077842	2" Flanged Elbow	2
N	GA5078188	2" Ball Valve	1
O	GA5078410	2" Nipple	1
P	GA5075873	Flowmeter	1
Q	GA5077131	3/4" Camlock Cap	4
R	GA5077124	3/4" Male Camlock	4
S	GA5078087	3/4" x 1/2" Nipple	4
T	GA5077943	1/2" Plug	2

Note: Assembly is located on top of the centre section where a flow meter would normally be located.

## DUAL PRESSURE FILTERS

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Item	Part No	Description	Quantity
A	GA4657155	Mounting Plate	1
B	GA4903065-EF	Second Pressure Filter	1
-	GA5077394	80 Mesh Filter Screen	1
-	GA5077395	100 Mesh Filter Screen	1







# CHAPTER 8

## VORTEX INDUCTION HOPPER

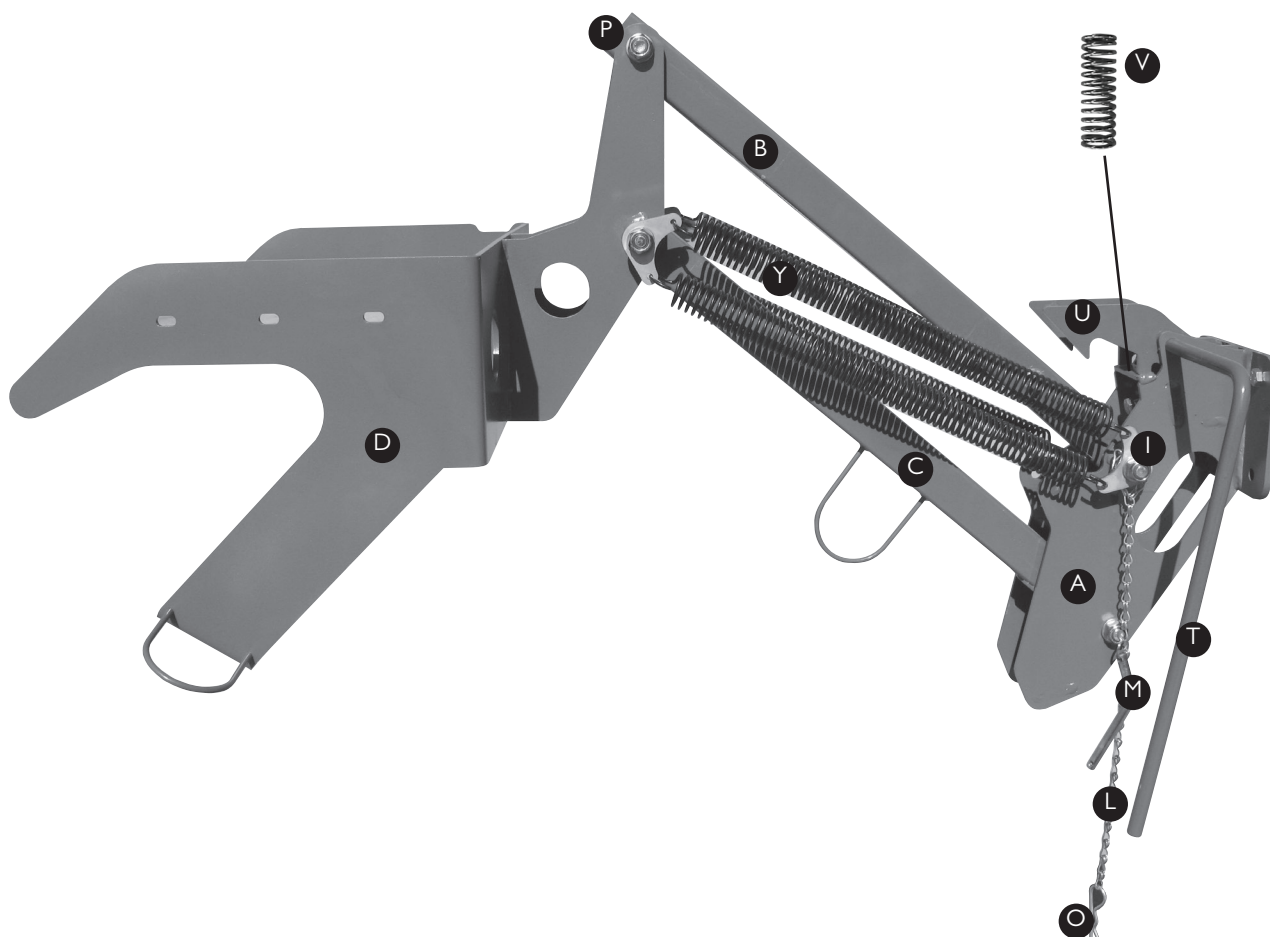


Vortex Hopper Frame Components . . .  
.....8-2

Vortex Hopper Tank Components . . .  
.....8-3

Vortex Hopper Bottom Components . .  
.....8-4

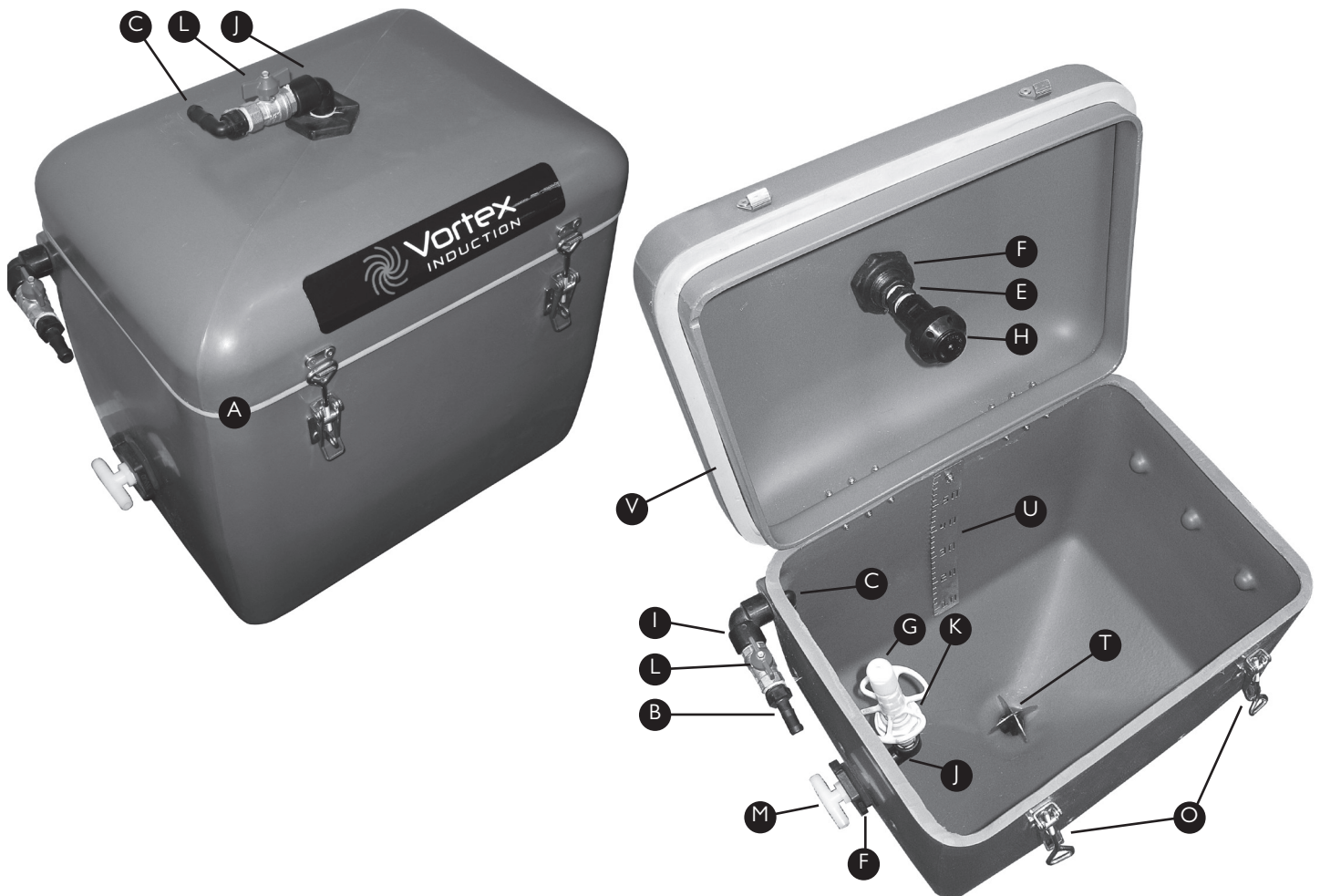
## VORTEX HOPPER FRAME COMPONENTS



Item	Part No	Description	Quantity
A	GA4653420	Chassis mount	1
B	GA4653440	Hopper arm upper	1
C	GA4653445	Hopper arm lower	1
D	GA4656855	Tank support	1
E	GA5000855	M16x110mm bolt	2
F	GA5000881	M16x180mm bolt	2
G	GA5001043	16mm flat washer	8
H	GA5001029	M16 nyloc nut	4
I	GA4522294	Double spring mount	4
J	GA5000319	M12x40mm set screw	2
K	GA5012461	12mm nyloc	3
L	GA5049330	Chain 6x7mm	0.4
M	SP-IH-009MACH	Latch Pin	1

Item	Part No	Description	Quantity
N	GA5002077	25mm NP key ring	1
O	GA5007197	Clip R type 4mm	1
P	GA5003783	50x50mm tube insert	4
Q	GA5012203	Grease nipple 1/4"	4
R	GA5011487	M8x40mm SHCS ZP	1
S	GA5004917	Nut 8mm nyloc	1
T	GA5010811	Hopper latch handle	1
U	GA4653490	Hopper latch ADV	1
V	GA5007329	Compression spring gold	1
W	GA500263	M12x100mm bolt	1
X	GA5000773	12mm flat washer SS	2
Y	GA5007073	Hopper Tension Spring	4

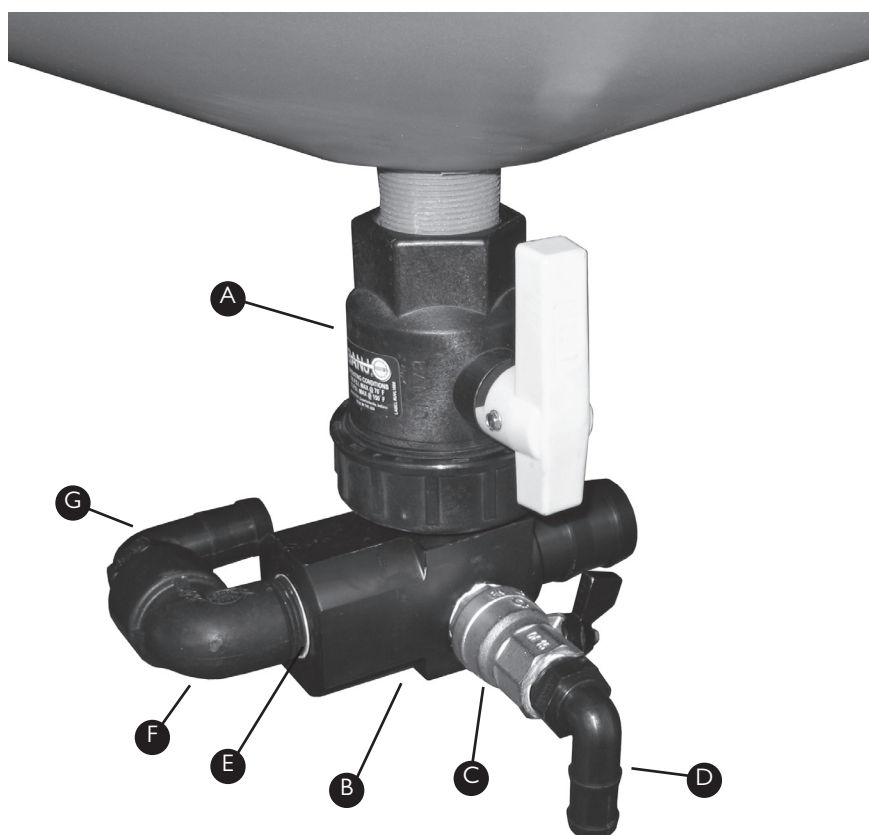
## VORTEX HOPPER TANK COMPONENTS



Item	Part No	Description	Quantity
A	GA5070040	Hopper tank, 60L & lid	1
	GA5070045	Hopper Lid	1
B	GA5077702	Straight hose barb 1/2"	1
C	GA5077708	Elbow 1/2" male thread to 1/2" barb	2
D	GA5077911	Poly nipple 1/2"	1
E	GA5078087	Reducer Nipple 1/2-3/4"	1
F	GA5078156	1/2" Poly bulkhead	2
G	GA5077063	Drum rinsing nozzle	1
H	L033A	Tank Rinse	1
I	GA5077652	Elbow 1/2"	1
J	GA5078133	Street elbow 1/2"	2
K	GA5077062	Push down valve	1
L	GA5020615	1/2" ball tap M-F	2
M	GA3500391	Tee barb 1/2" poly	1

Item	Part No	Description	Quantity
N	GA5006661	Hinge (SS 3 hole)	2
O	GA5007071	SS Latch (adjustable)	2
P	GA5003976	M5x20mm Pan head set screw SS	11
Q	GA5003975	M5 SS hex nyloc nut	11
R	GA5003983	Washer 5mm S/S	12
S	GA5000469	12-20mm s'steel 1/2" hose clamp	5
T	GA4657115	Anti-aeration device	1
U	GA4522296	Level indicator 60L	1
V	GA5016473	Foam Sealing Strip	
W	GA2000211	13mm Pressure hose black (250 PSI)	
X	GA5011465	M8x20mm Bolt ZP	6
Y	GA5004921	M8 spring washer	6
Z	GA5003651	M8 SS flat washer	6

## HOPPER BOTTOM COMPONENTS



Assembly Part Number GA4903105

Item	Part No	Description	Quantity
A	GA5078167	1 1/2" Ball Valve	1
B	L056A	Induction Hopper Bottom Tee	1
C	GA5018315	20mm Ball Valve	1
D	GA5077717	3/4" Barbed Elbow	1
E	L057A	Hopper Venturi 9mm*	1
	GA4572150	Hopper Venturi 7mm*	
F	GA5078137	1" Elbow	1
G	GA5077723	1" Barbed Elbow	1

\* 9mm Hopper Venturi is fitted standard, but a 7mm Venturi is available for low volume pumps.

# CHAPTER 9

## EXACTA AND DIRECT INJECTION FOAM MARKER TANKS



25 LITRE  
FOAM CONCENTRATE  
TANK

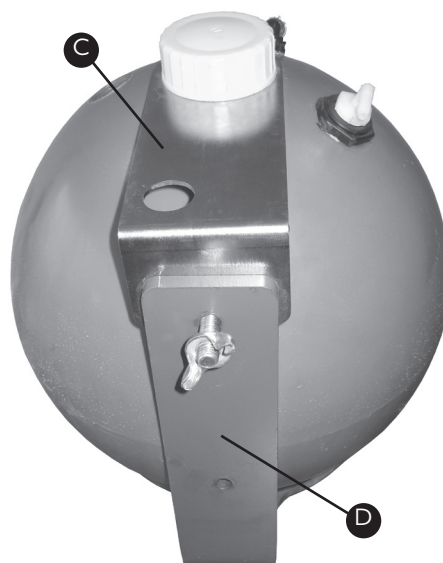
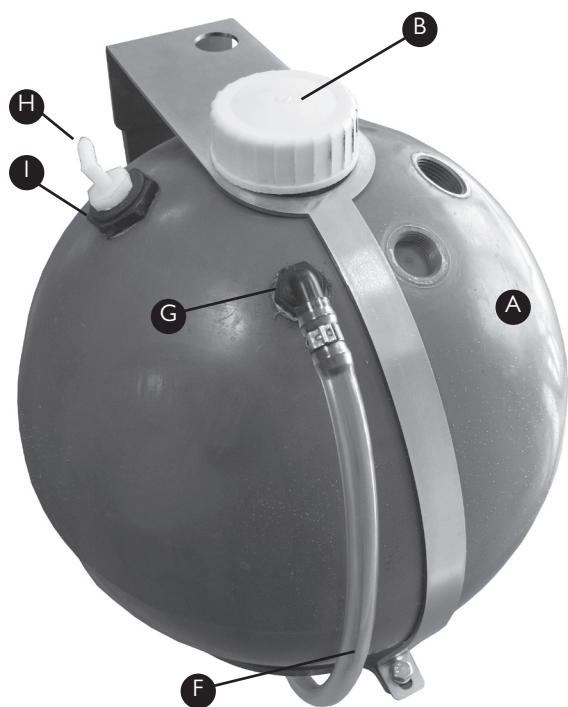
Foam Concentrate Tank . . . . .	9-2
Exacta Foam Marker Tank . . . . .	9-3
Pre-Assembled Filter and Ball Valves .	9-4



100 LITRE EXACTA  
FOAM MARKER TANK

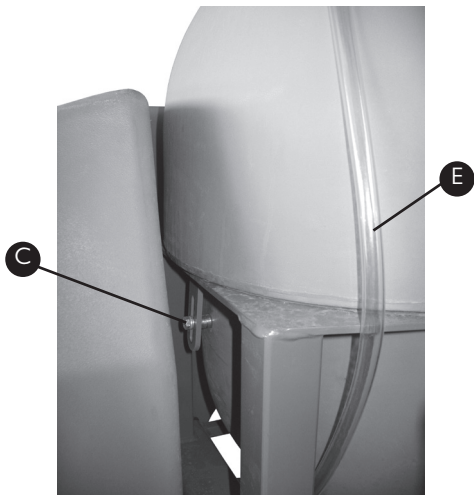


## FOAM CONCENTRATE TANK



Item	Part No	Description	Quantity
A	GA4901038	Tank, foam concentrate, 25L	1
B-1	GA5009157	Cap suit exacta tank	1
B-2	GA5009187	O'Ring exacta tank cap 50x5	1
C	F70622A	Inject bottle strap 3mm FMS	1
D	F70609A	Bottle mount plate 10mm FMS	1
E	GA5010085	Hollow rectangular rubber 691mm	
F	GA2000209	12mm sight tube	
G	GA5077708	Hose Barb Elbow 1/2"	2
H	GA5077656	1/2" x 1/4" Elbow	1
I	GA5078013	Reducer Bush 1" x 1/2"	1
J	GA4903077	Pre-assembled Filter and ball valve for direct inject foam	1

# EXACTA FOAM MARKER TANK

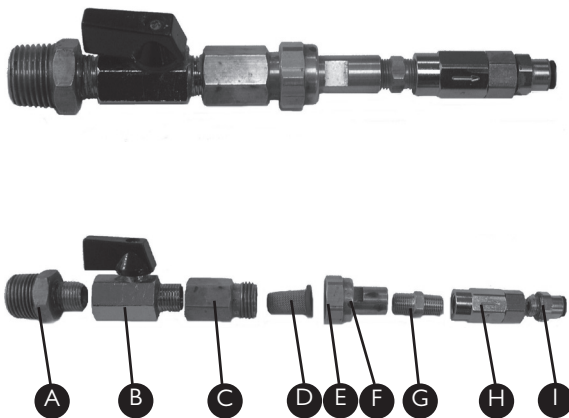
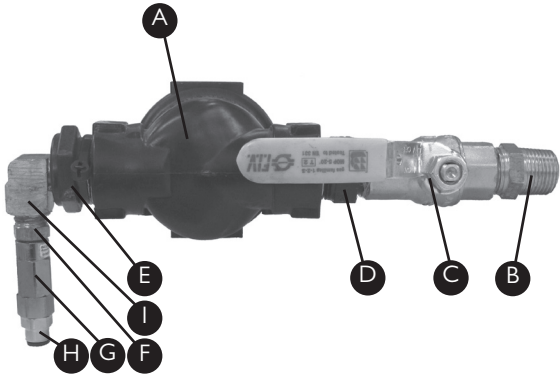


Item	Part No	Description	Quantity
A	GA5018487	Tank, 100L exacta	1
B-1	GA5009157	Cap suit exacta tank	1
B-2	GA5009187	O-Ring suit cap 50x5mm	1
C-1	GA5004693	Bolt M8x16mm Gr8.8 ZP	2
C-2	GA5004883	Washer 8mm heavy duty	2
C-3	GA5004919	Spring washer 8mm	2
D	GA5077708	Hose barb elbow 1/2"	3
E-1	GA2000209	12mm sight tube	890mm
E-2	GA5007225	Cobra 12/8 clamps	2
F	HB050/025-90	1/2" x 1/4" Elbow	1
G	GA4903078	Pre-assembled filter and ball valve	1
H	GA5077707	Poly Hose Barb 1/2" x 3/4"	2

PRE-ASSEMBLED FILTER AND BALL VALVES

Pre Assembled Filter and Ball Valve to suit Exacta Foam Marker Tanks (GA4903078)

Item	Part No	Description	Quantity
A	AA124A-3/4-PP-200 Filter		1
B	GA5048310	1/2" Brass Nipple	1
C	GA5018309	12mm Ball Valve	1
D	GA5078087	Reducing Nipple 3/4" x 1/2"	1
E	GA5078008	Reducing Bush 3/4" x 1/4"	1
F	GA5013809	Reducing Nipple 1/4" x 1/8"	1
G	GA5018147	1/8" Check Valve	1
H	GA5050210	6mm x 1/8" Fitting	1
I	GA5048305	1/4" Brass Elbow	1



Pre Assembled Filter and Ball Valve to suit Direct Injection Foam Marker Tanks (GA4903077)

Item	Part No	Description	Quantity
A	GA5012259	Reducing Nipple	1
B	GA5017405	Ball Valve	1
C	GA5077369	Brass Nozzle Body	1
D	GA5077157	200 Mesh strainer (orange)	1
E	GA5077372	Brass Cap	1
F	GA5077543	Brass Adapter	1
G	GA5066935	1/8" Brass Nipple	1
H	GA5018147	1/8" Check Valve	1
I	GA5050210	6mm x 1/8" Fitting	1

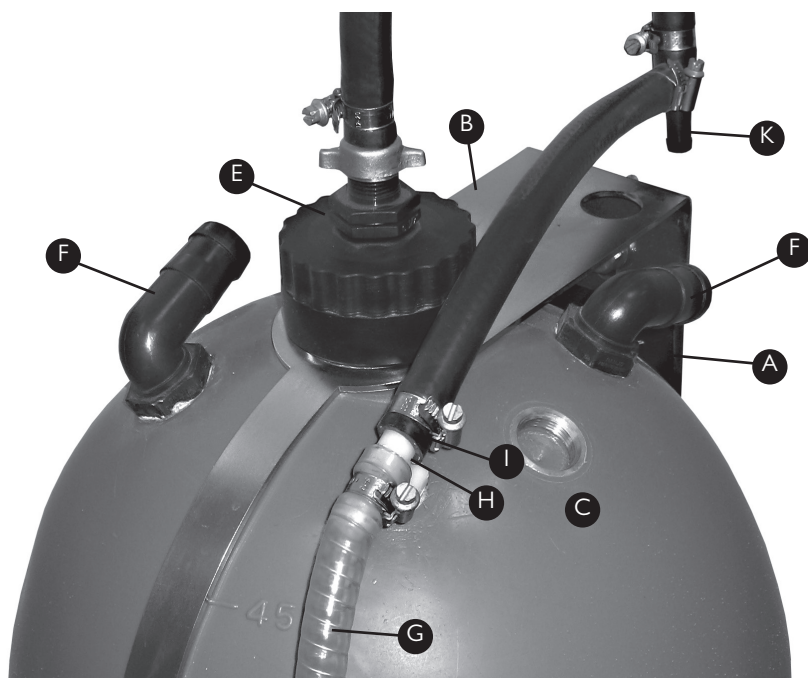
# CHAPTER 10

## TRANSCAL



Transcal Tank Components . . . . .	10-2
Transcal Tap Assembly . . . . .	10-3
Transcal Tank Cap. . . . .	10-4
Transcal Drain Hose . . . . .	10-4
Transcal Enviro Rinse Coupling . . . .	10-5

## TRANSCAL TANK COMPONENTS



Assembly Part No		GA4903092*	
Item	Part No	Description	Quantity
A	F70608A	Transcal mounting bracket	1
B	F70623A	Bottle strap 3mm	1
C	GA4901047	Tank 45L transcal	1
D-1	GA5004737	M8 x 70mm Bolt	1
D-2	GA5003643	8mm Washer SS	2
D-3	GA5004917	M8 Nyloc Nut	1
E	GA4903050	Pre-assembly Cap	1
F	GA5077723	1" Hose barb elbow	2

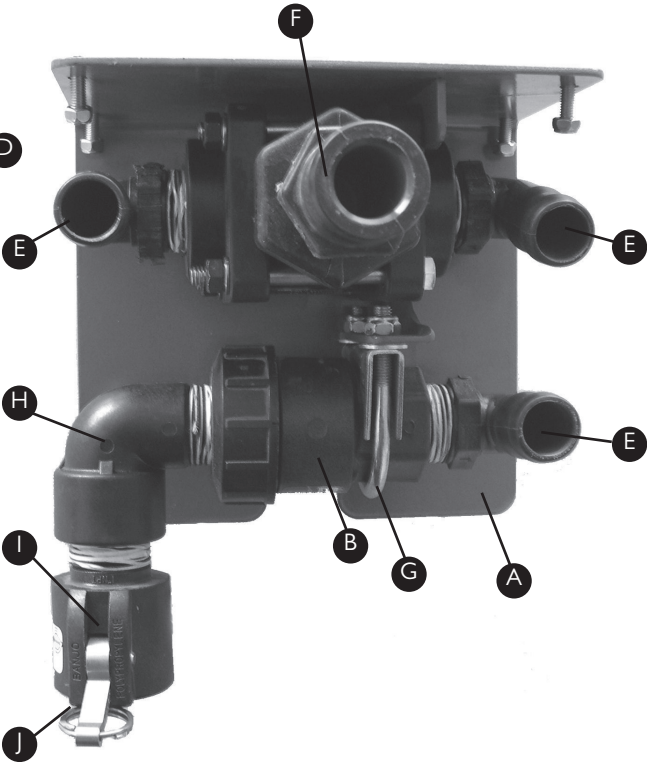
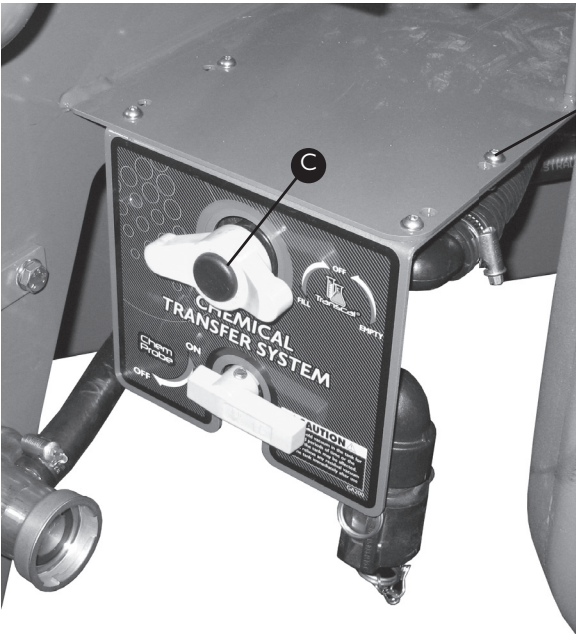
\* Note: System is located on H-Frame.

# Note: Barb removed from item to act as restrictor.

Item	Part No	Description	Quantity
G	GA2000210	Sight Tube with wire	720mm
H	GA3500391	1/2" Tee barb with thread	1
I	GA5020695	1/8" Hose Barb#	1
J	GA5077708	Hose barb elbow 1/2"	1
K	GA3500391	Tee 1/2"	1
L	GA5077747	Hose barb female 1"	1
M	GA5010085	Rectangular Hollow Rubber	0.9m



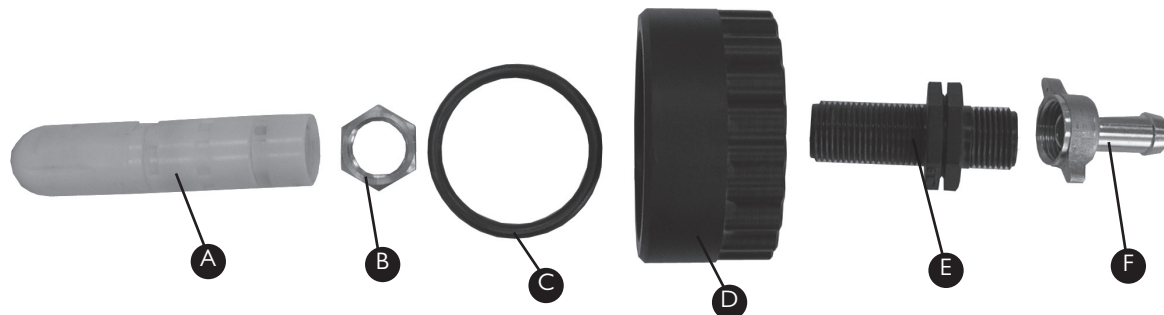
TRANSCAL TAP ASSEMBLY



Assembly Part No		GA4903088		
Item	Part No	Description	Quantity	
A	GA4656470	Transcal Tap Mounting Plate	1	
B	GA5078164	1" Ball Valve	1	
C	GA5078177	1" 3-Way Ball Valve (Bottom Load)	1	
D-1	GA5004053	M6 x 20mm Button Head		
		Cap Screw	4	
D-2	GA5048115	M8 Nyloc Nut	4	
D-2	GA5004437	6mm Washer	8	
E	GA5077723	1" Hose Barb Elbow	3	

Item	Part No	Description	Quantity	
F	GA5076012	1" Male Camlock	1	
G-1	GA5006705	2" Exhaust Clamp	1	
G-2	GA5004917	M8 Nyloc Nut	2	
G-3	GA5003643	8mm Washer	2	
H	GA5078137	1" Elbow	1	
I	GA5076007	1" Female Camlock	1	
J	GA5076013	Plug for Female Camlock	1	

## TRANSCAL TANK CAP



Assembly Part No		GA4903050		
Item	Part No	Description	Quantity	
A	GA5077063	Rinsing Nozzle	1	
B	GA5070110	1/2" Brass Lock Nut	1	
C	GA5009187	O-ring	1	
D	L055A	Transcal Cap	1	
E	GA5078408	1/2" Nipple	1	
F	GA5012375	1/2" Brass Tail with Nut	1	

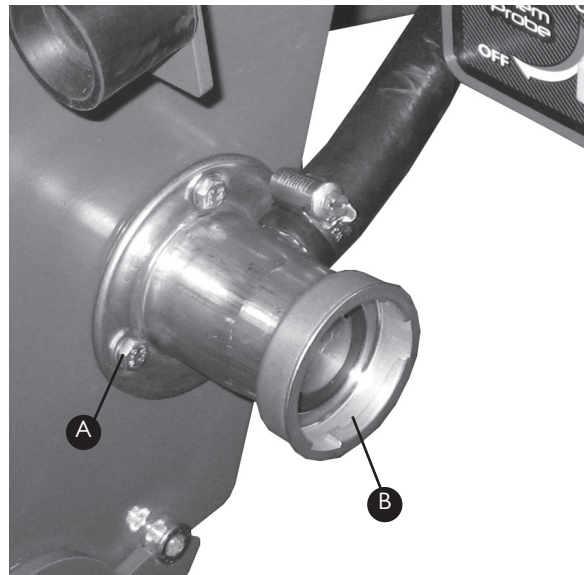
## TRANSCAL DRAIN HOSE

Assembly Part No		GA4903143		
Item	Part No	Description	Quantity	
A	GA2000220	25mm PVC Hose	1055mm	
B	GA5076008	1" Female Camlock	1	
C	GA5001681	Hose Clamp	1	



## TRANSCAL ENVIRO RINSE COUPLING

Item	Part No	Description	Quantity
A-1	GA5004063	M6 x 20mm Bolt	3
A-2	GA5048115	M6 Nyloc Nut	3
A-3	GA5004437	6mm Washer	6
B	GA5018800	Coupling	1





# CHAPTER 11

## MAIN TANK AND MOUNTING HARDWARE



Tanks .....	11-2
Sump Drain .....	11-3
Remote Sump Drain Handle Assembly . .....	11-4
Sump Drain Hose .....	11-5
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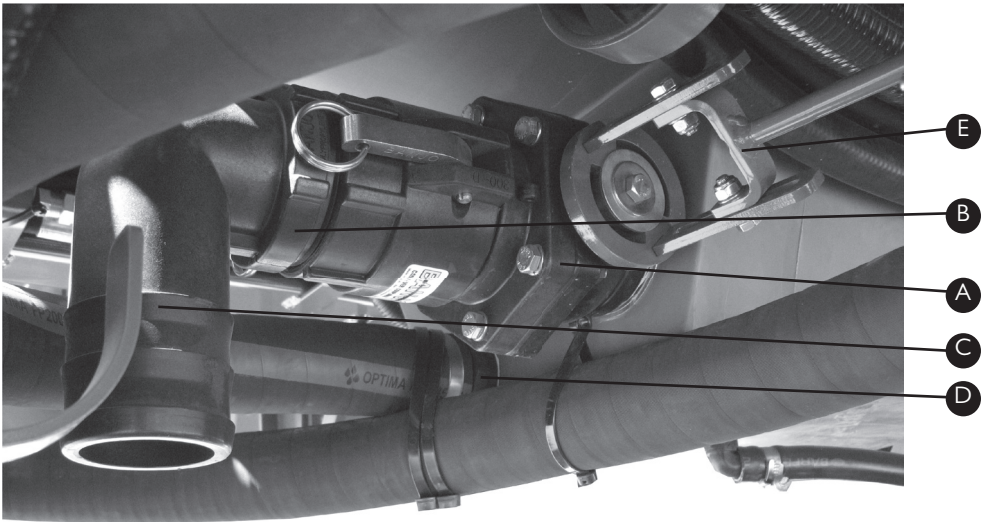
## TANKS

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Part No	Description
GA5070200	4000L Tank
GA5070030	5000L Tank
GA5070100	6500L Tank

# SUMP DRAIN

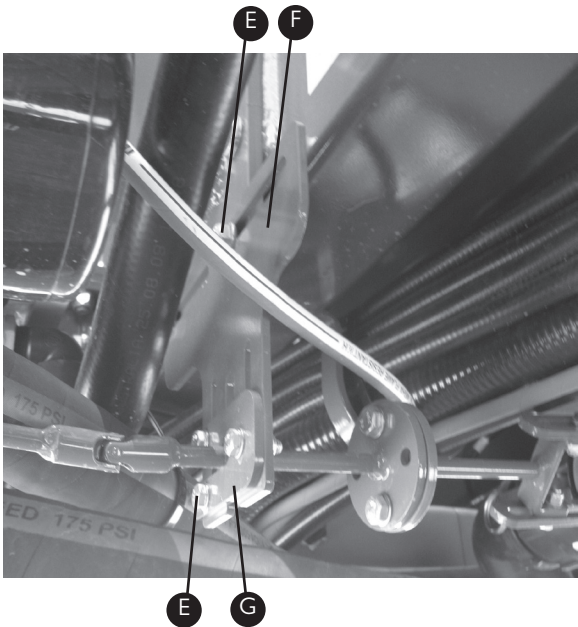
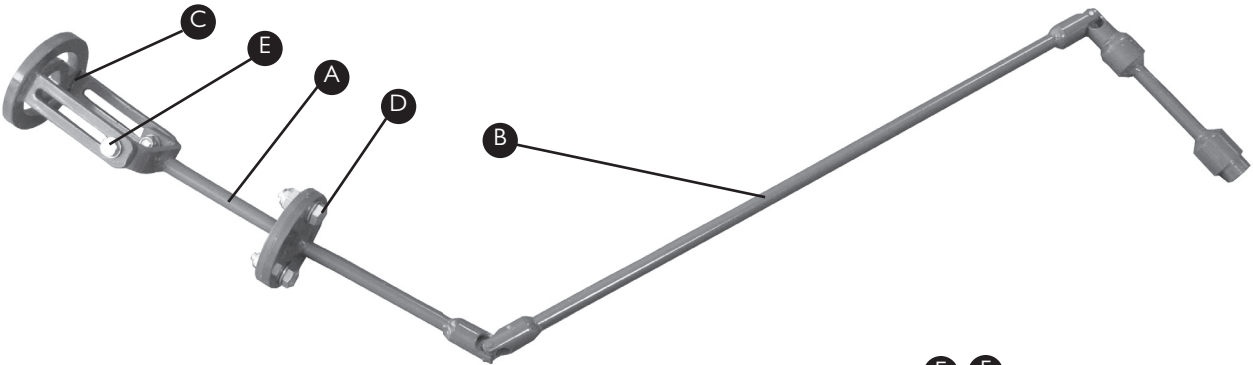


Item	Part No	Description	Quantity
A	GA5078204	3" Valve (NPT)	1
B	GA5076720	3" Threaded Connector	1
C	GA5077742	90 degree 3" Elbow	1

Item	Part No	Description	Quantity
D	GA5077737	2" Straight Barb Connector	1
E	GA4903550	Remote Sump Drain Valve	
		Handle Extension	1

Note: Prairie Advance EF shown in photo fitted with remote sump drain. This is optional on a Prairie EF and when not used handle fitted directly to valve.

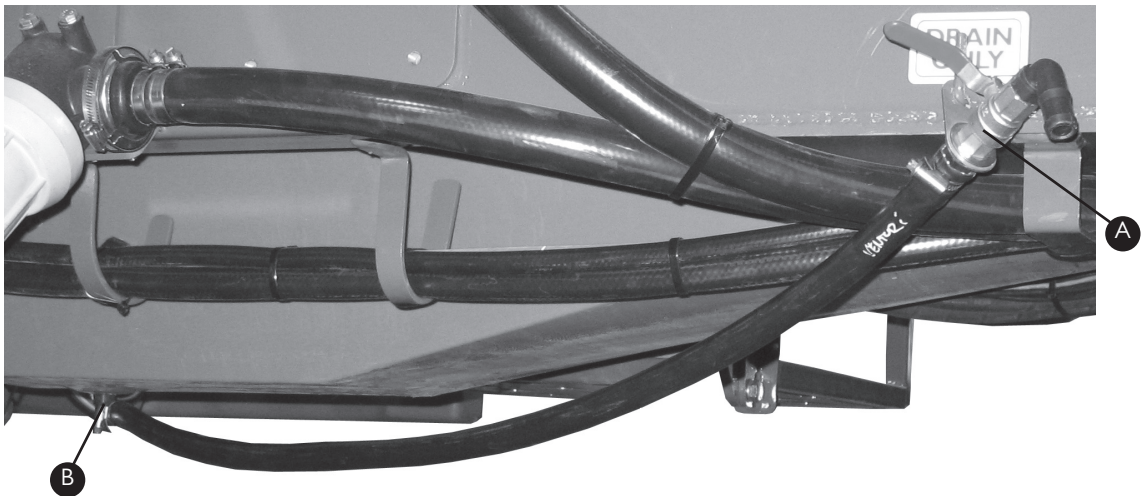
REMOTE SUMP DRAIN HANDLE ASSEMBLY



Remote Sump Drain Valve Handle Assembly			
Assembly Part No GA4903550			
Item	Part No	Description	Quantity
A	GA4653657	Inner Drive Shaft	1
B	GA4653658	Outer Drive Shaft	1
C	GA4653656	Valve Coupling	4
D-1	GA5065455	M10 x 30mm Bolt	2
D-2	GA5000141	M10 Nyloc Nut	2
D-3	GA5000117	10mm Washer S/S	4

Item	Part No	Description	Quantity
E-1	GA5004711	M8 x 25mm Bolt	7
E-2	GA5004917	M8 Nyloc Nut	7
E-3	GA5004883	8mm Washer	14
F	F70661A	Uni Rod Hanger Plate	1
G	F70662A	Uni Rod Clamping Plate	1
H	GA4513440	Uni Rod Aligning Plate	1

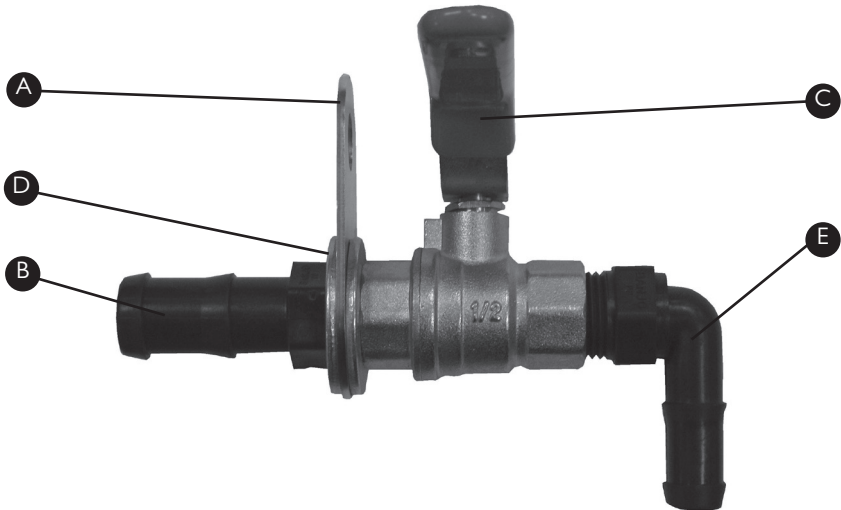
# SUMP DRAIN HOSE



Item	Part No	Description	Quantity
A	GA4903097	Remote Drain on Hose	1
B	GA5077704	1/2" x 3/4" Elbow	1

Note: Picture shows sump drain hose and valve located on left side of sprayer

# SUMP DRAIN HOSE VALVE

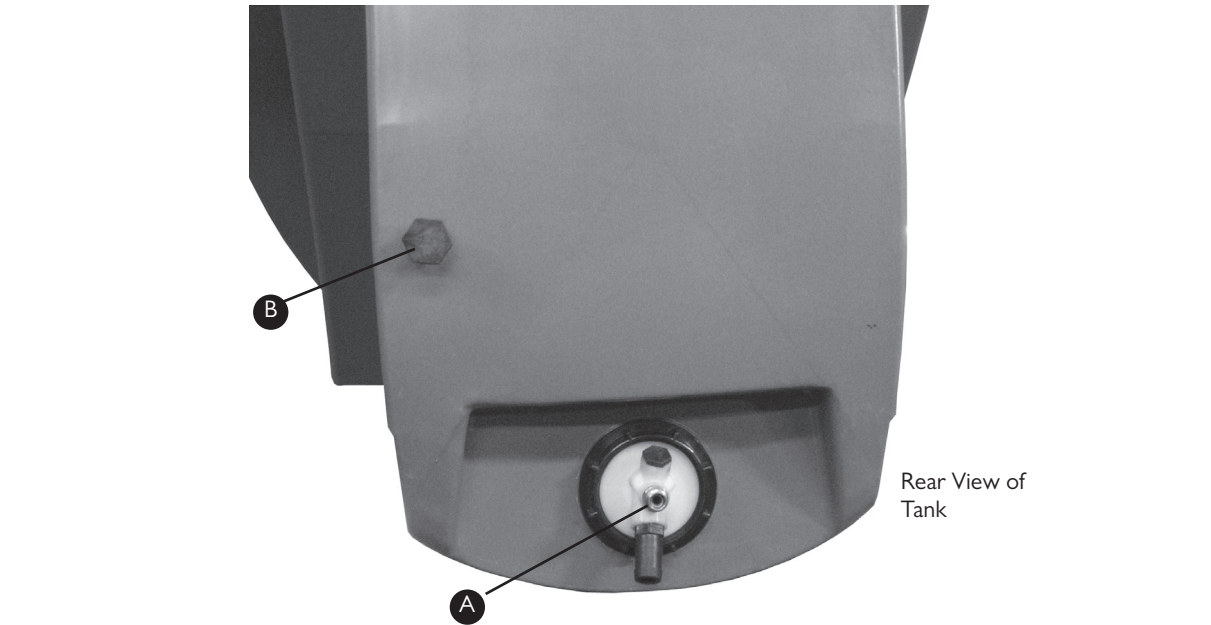


Assembly Part No. GA4903097			
Item	Part No	Description	Quantity
A	F70565A	Stainless Steel Mounting Plate	1
B	GA5077707	1/2" x 3/4" Poly Hose Barb	1
C	GA5018309	Ball Valve	1

Item	Part No	Description	Quantity
D	GA5001741	20mm S/S Washer	2
E	GA5077704	1/2" x 3/4" Poly Elbow	1

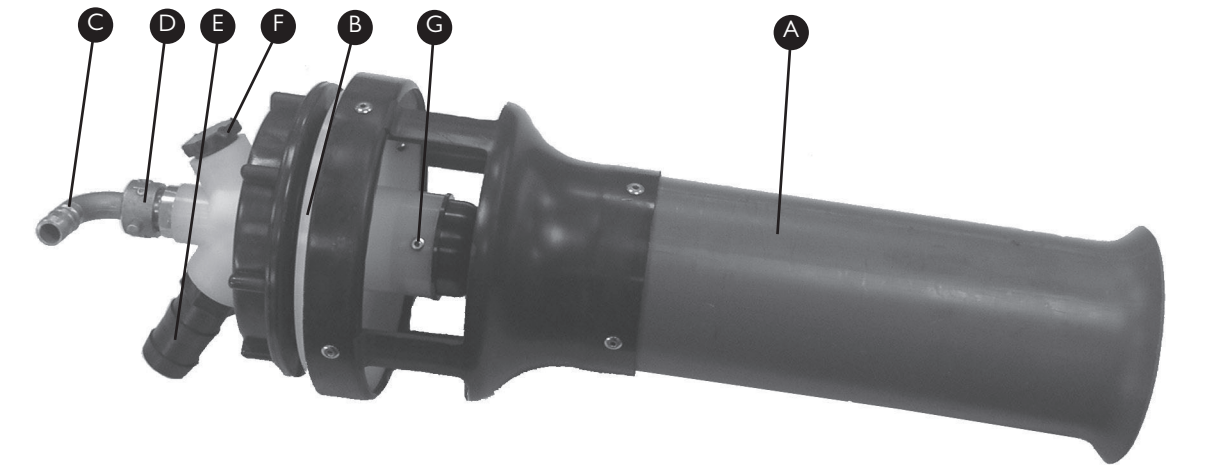


SUPER MIX AGITATOR



Item	Part No	Description	Quantity
A	GA4903096	Agitator Assembly	1
B	GA5077945	1" Poly Plug	1

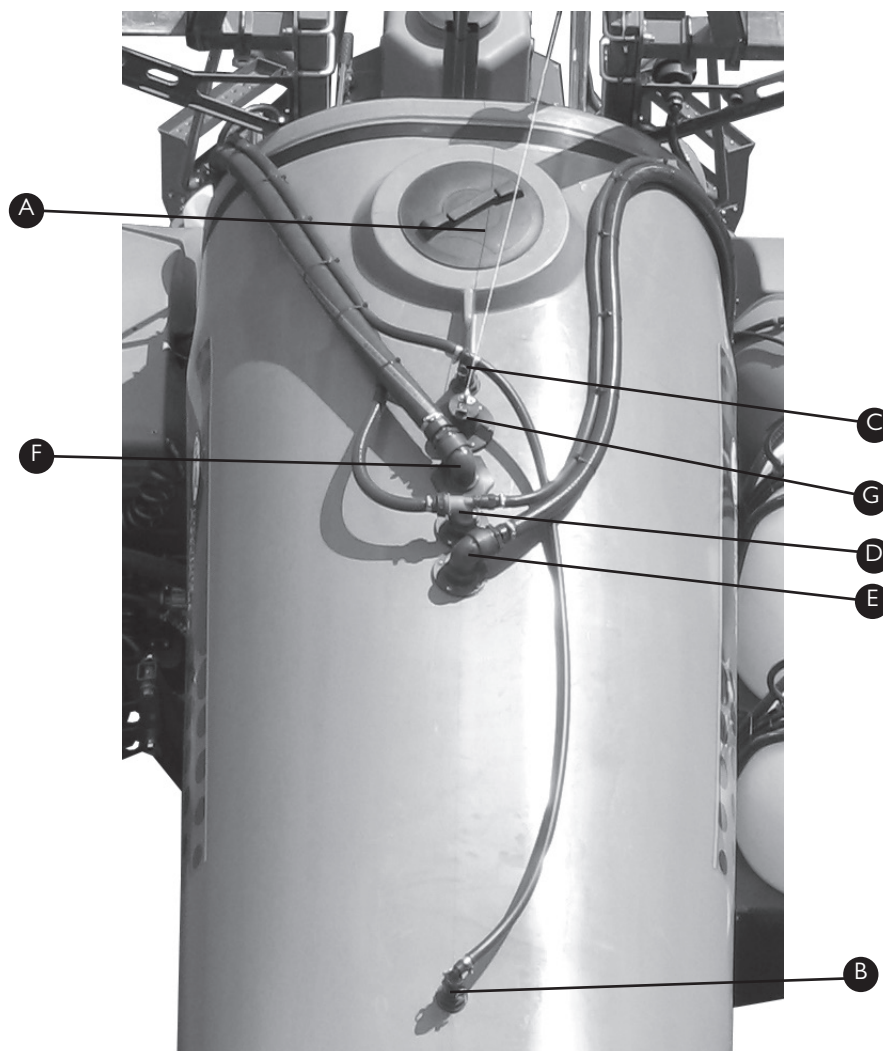
SUPER MIX AGITATOR ASSEMBLY



Assembly Part No. GA4903096			
Item	Part No	Description	Quantity
A	GA5077038	Agitator Mixer Body	1
B	GA5024555	Seal	1
C	GA5075657	1/2" Brass Elbow	1
D	GA5012375	1/2" Nut with O-ring	1

Item	Part No	Description	Quantity
E	GA5077715	3/4" x 1" Poly Hose Barb	1
F	GA5077943	1/2" Plug	1
G	GA5005117	1/8" x 5/16" Pop Rivet	1



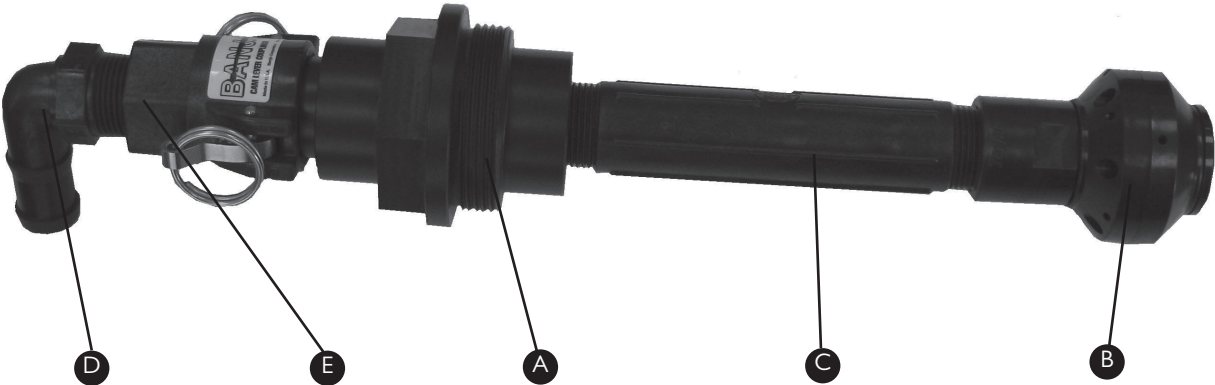


Item	Part No	Description	Quantity
A	GA5076877	Tank Lid	1
B	GA4901285-1	Tank Flush Nozzle Assembly (Elbow)	1
C	GA4901285-2	Tank Flush Nozzle Assembly (Tee)	1

Item	Part No	Description	Quantity
D	GA4903086	Venturi Assembly	1
E	GA4903136	Tank Fill*	1
F	GA4948420	Tank Fill Shut Off Valve	1
G	GA4903086	Dry sight tube	1

Note: Dry sight tube option showed in picture

TANK FLUSH NOZZLE (ELBOW)

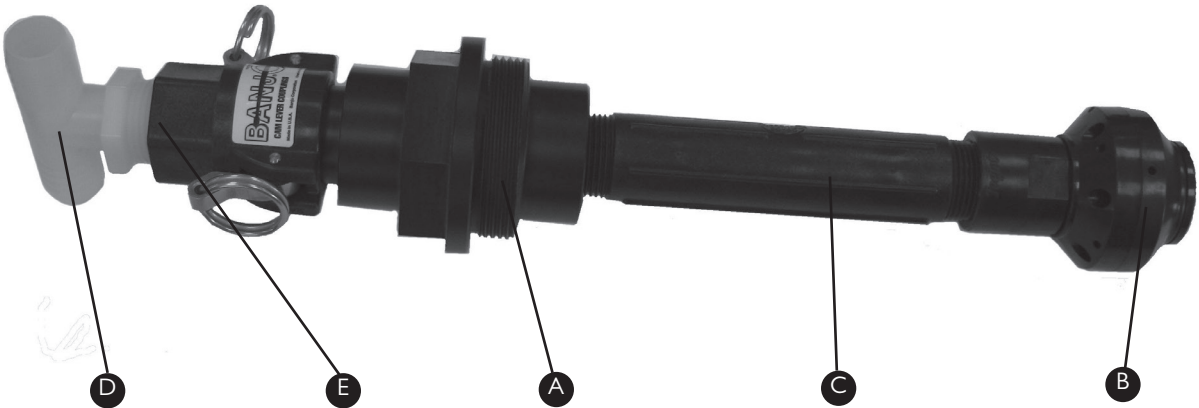


Assembly Part No. GA4901285-1

Item	Part No	Description	Quantity
A	GA4572015	Tank Adapter with Cam Lock	1
B	GA5077336	Rinse Nozzle	1
C	GA5077912	3/4" x 6" Poly Nipple	1

Item	Part No	Description	Quantity
D	GA5077717	3/4" Poly Elbow	1
E	GA5077132	3/4" Female Coupler	1

TANK FLUSH NOZZLE (TEE)



Assembly Part No. GA4901285-2

Item	Part No	Description	Quantity
A	GA4572015	Tank Adapter with Cam Lock	1
B	GA5077336	Rinse Nozzle	1
C	GA5077912	3/4" x 6" Poly Nipple	1

Item	Part No	Description	Quantity
D	GA5018776	3/4" Poly Tee	1
E	GA5077132	3/4" Female Coupler	1

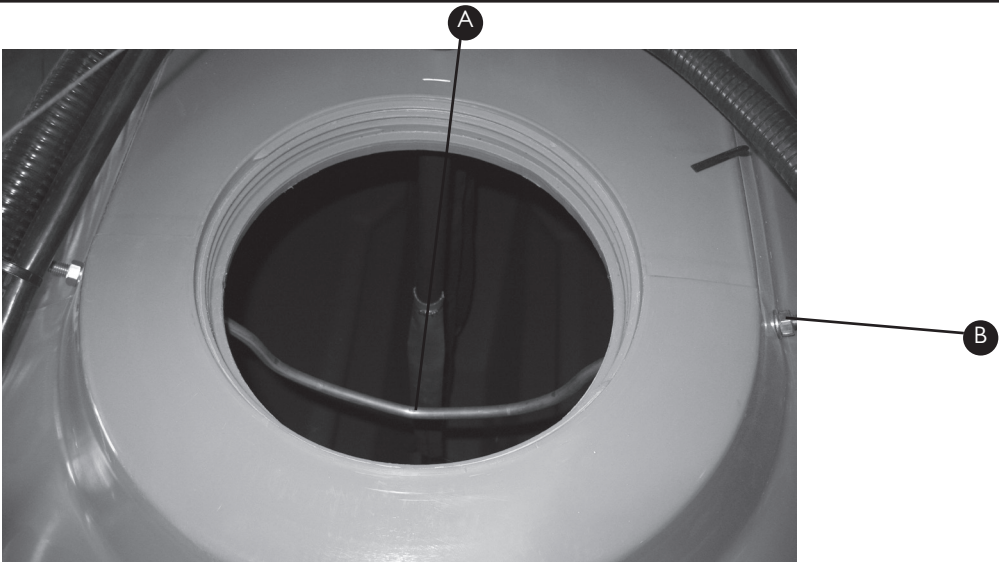
VENTURI



Assembly Part No. GA4903086			
Item	Part No	Description	Quantity
A	GA5077035	Venturi Filler	1
B	GA5076036	Hose Tail	1
C	GA5077679	O-ring M3 x 29mm	1
D	GA5078010	Poly Reducer Bush	1
E	GA5077743	3/4" Female Hose Barb	1

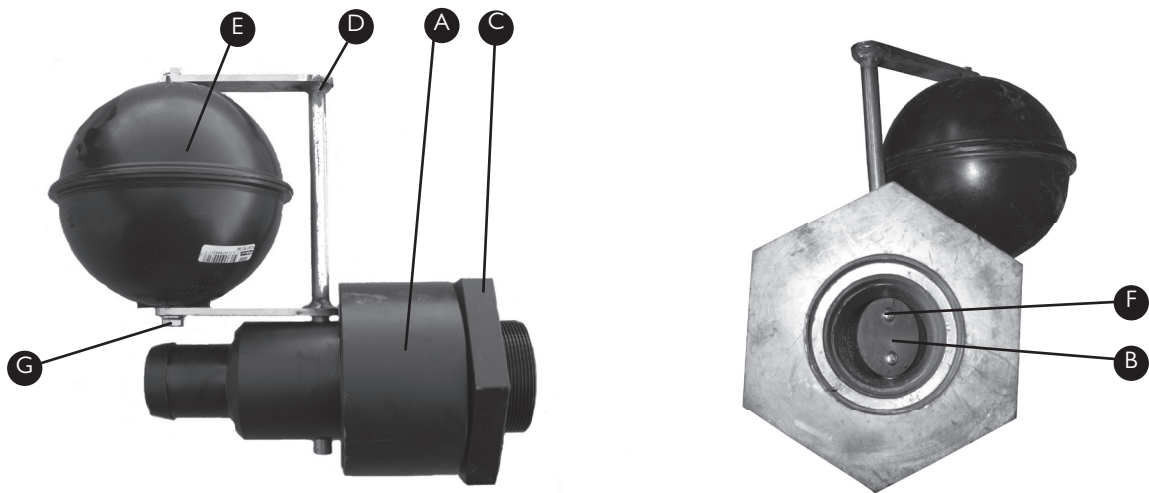
Item	Part No	Description	Quantity
F	MACH0022	Venturi Jet	1
G	GA5049125	O-ring Imperial BS213	3
H	GA5050205	32mm Lay Flat Hose (blue) 0.405m	
I	GA5007235	Cobra Clamp	1

TANK BRACING BAR



Item	Part No	Description	Quantity
A	GA4672885	Tank Bar	1
B-1	GA5000581	M12 S/S Nut	4
B-2	GA5000577	12mm Washer (S/S)	4

TANK FILL WITH SHUT OFF VALVE

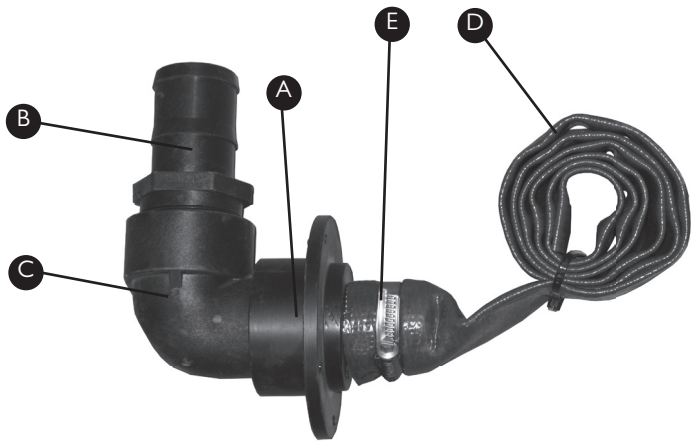


Assembly Part No. GA4948420			
Item	Part No	Description	Quantity
A	SOV-001LAS	2" Shut Off Valve Body	1
B	SOV-002LAS	Butterfly	1
C	SOV-005LAS	3" Nut	1
D	GA4654885	Fill Shut Off Arm	1
E	GA5008835	6" Float	1

Item	Part No	Description	Quantity
F	GA5048485	M6 x 16mm Cap Screw (S/S)	2
G	GA5048485	5/16" x 3/4" Whitworth Bolt	2
	GA5021395	2" Lay Flat Hose*	
	GA5078142	2" Poly Elbow*	1
	GA5077737	2" Hose Barb*	1

Note: Fitted to a Prairie Advance EF only  
\* Items not shown but fitted the same as assembly below

TANK FILL

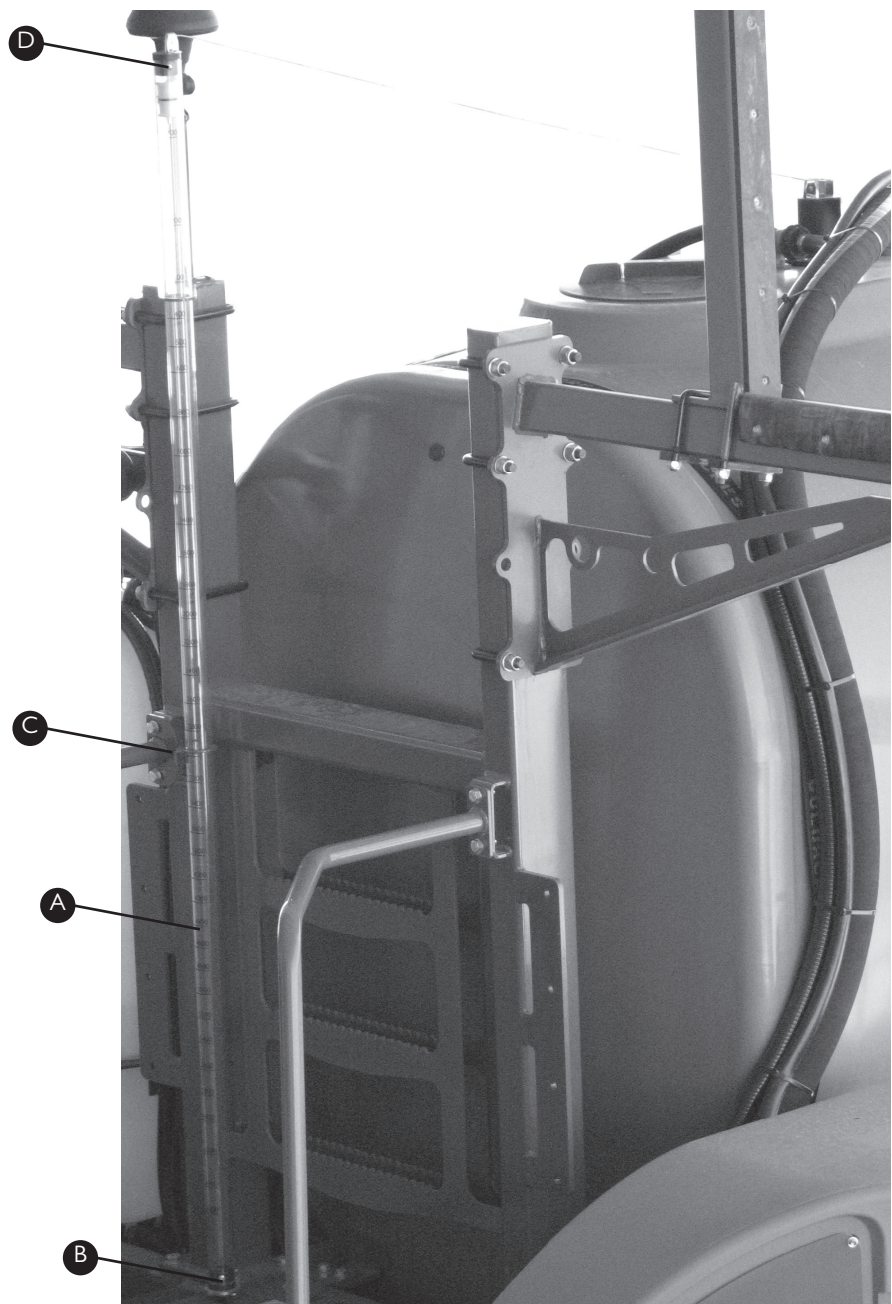


Assembly Part No. GA4903136			
Item	Part No	Description	Quantity
A	L026A	Tank Flange	1
B	GA5077737	Straight Poly Hose Barb	1
C	GA5078142	2" Elbow	1

Item	Part No	Description	Quantity
D	GA5021395	2" Lay Flat Hose (blue)	1.55m
E	GA5003325	Hose Clamp	1

Note: Fitted to a Prairie EF as the tank fill standard, also fitted as a hopper inlet when this is done item B is changed to a 1 1/2" Hose Barb Part No: HBI50200

DRY SIGHT TUBE



Assembly Part No. GA4903086

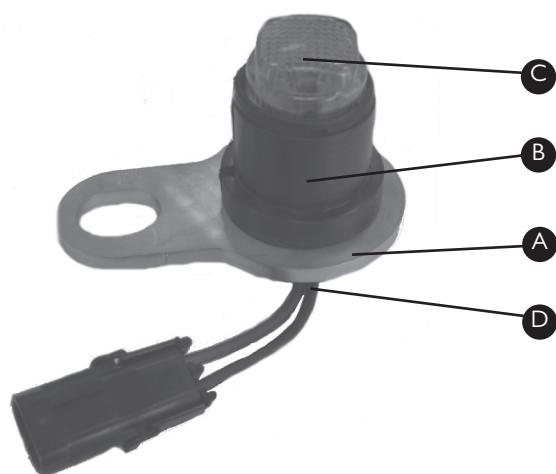
Item	Part No	Description	Quantity
A	GA4903094	Sight Tube Kit	1
B*	GA4932020-01	Sight Tube Base With Light	1
	GA4932020-02	Sight Tube Base Without Light	1

Item	Part No	Description	Quantity
C	F70668A	Sight Tube Centre Mount	1
D	GA5014821	12G x 1/2" Screw	2

Note: A dry sight tube is fitted standard on a Prairie Advance EF and an option on a Prairie EF.  
\* A sight tube base with light is fitted on a Prairie Advance EF and a base without light is fitted on a Prairie EF optioned with a dry sight tube



# DRY SIGHT TUBE BASE WITH LIGHT



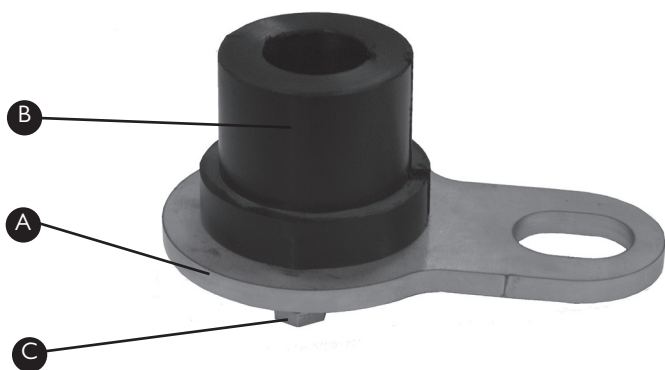
Assembly Part No. GA4932020-01

Item	Part No	Description	Quantity
A	F70669A	Sight Tube Mounting Base	1
B	MACH0316	Tube End with Light Mount	1
C-1	GA5049755	Sight Tube Light	1

Note: Fitted on all Prairie Advance EF sprayers.

Item	Part No	Description	Quantity
C-2	GA5012007	Globe, 12V, 5W	1
D-1	GA5004041	M6 x 16mm BOLT (ZP)	2
D-2	GA5004437	6mm Washer S/S	2

# DRY SIGHT TUBE BASE WITHOUT LIGHT



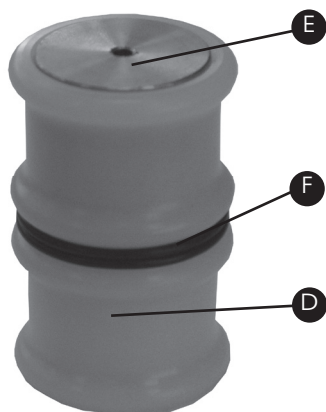
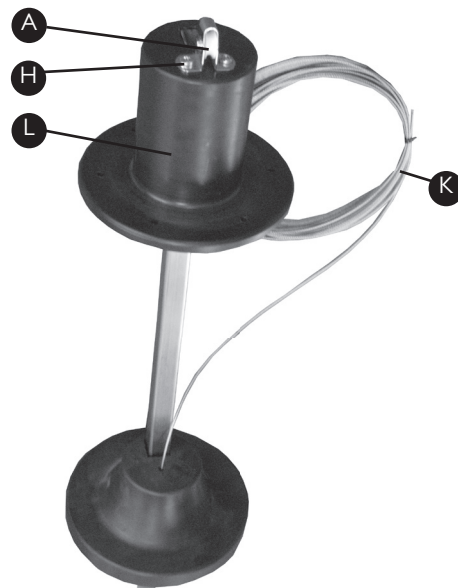
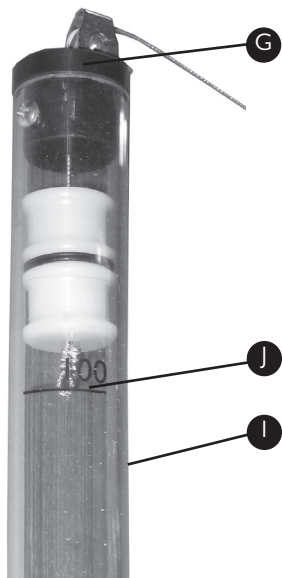
Assembly Part No. GA4932020-02

Item	Part No	Description	Quantity
A	F70669A	Sight Tube Mounting Base	1
B	MACH0316	Tube End with Light Mount	1

Note: Fitted when dry sight tube is optioned on a Prairie EF.

Item	Part No	Description	Quantity
C-1	GA5004041	M6 x 16mm BOLT (ZP)	2
C-2	GA5004437	6mm Washer S/S	2

## DRY SIGHT TUBE KIT



Assembly Part No. GA4903094

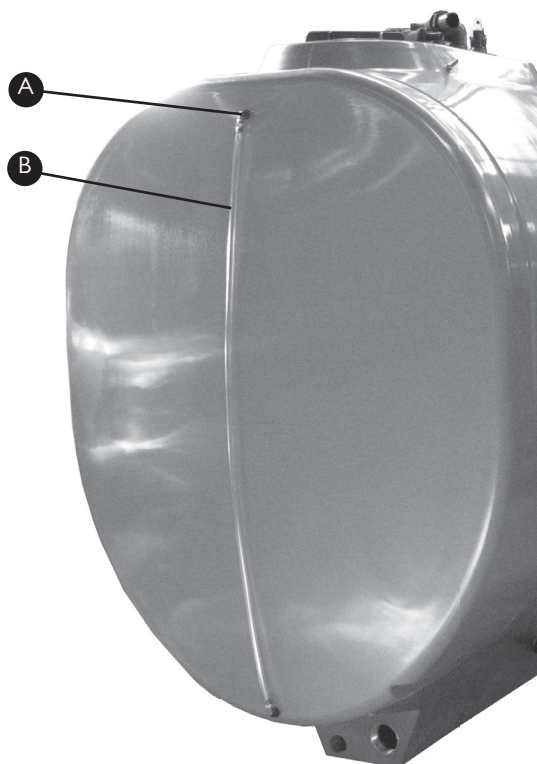
Item	Part No	Description	Quantity
A	GA5015221	Cable Rollers	2
B	GA5008643	Copper Plated Ferrule	2
C	MACH0309	Tank Float	1
D	MACH0307	Level Indicator	1
E	MACH0317	Indicator Insert (Weight)	1
F	GA5012529	O-ring	2
G	MACH0306	Sight Tube End Cap	1

Item	Part No	Description	Quantity
H	GA5014817	10G x 5/8" Screw S/S	4
I	GA5002979	Clear Plastic Tube	1
J	GA2154000	4000L Sticker	1
	GA2165000	5000L Sticker	1
	GA2176000	6500L Sticker	1
K	GA5017873	Stainless Cable	4m
L	MACH0308	Locating Cap	1

## WET SIGHT TUBE

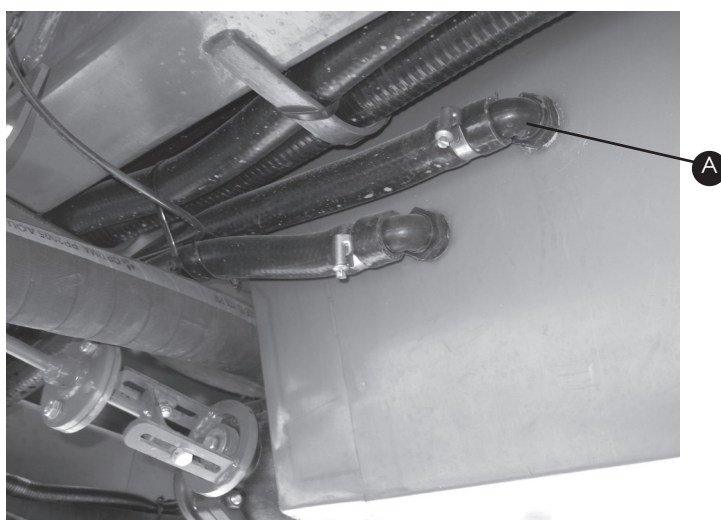
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Item	Part No	Description	Quantity
A	GA5077708	1/2" Elbow	2
B	GA2000209	Sight Tube Hose	



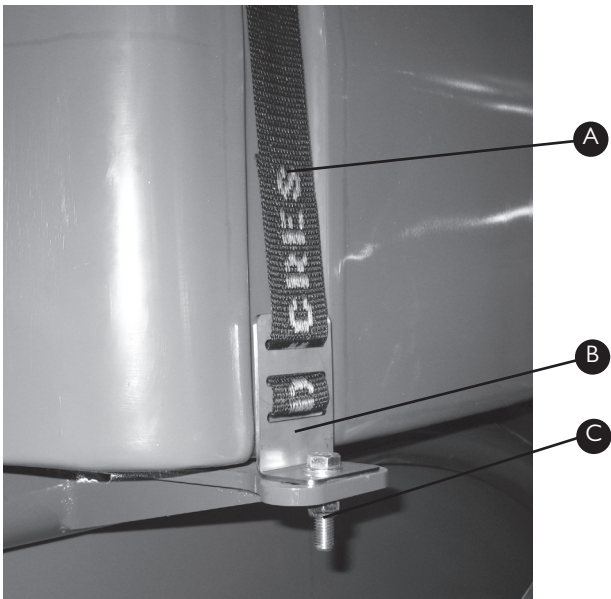
## SAFETY AND PRESSURE RELIEF VALVE RETURN LINES

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Item	Part No	Description	Quantity
A	GA5077723	1" Elbow	2

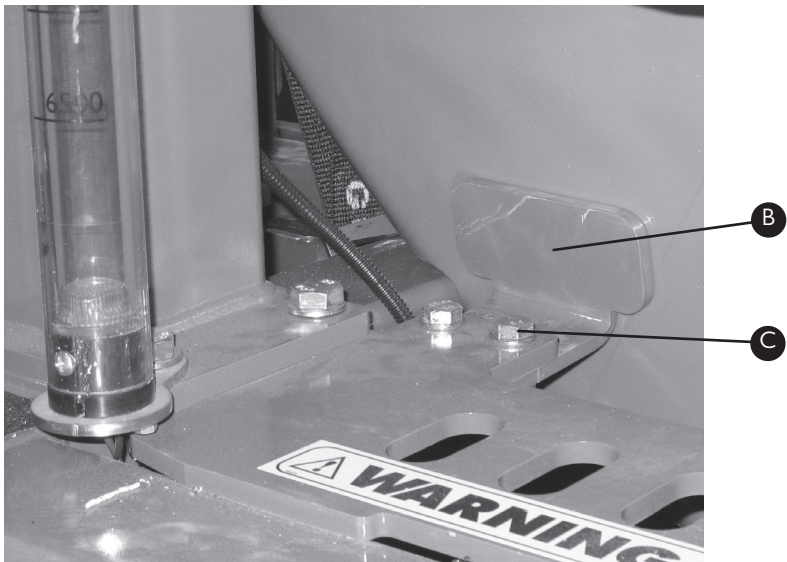
TANK STRAPS



Item	Part No	Description	Quantity
A	GA5003859	50mm wide Tank Strap	
B	F70127A	Tank Strap Mounting Bracket	4
C-1	GA5000331	M12 x 50mm Bolt	4

Item	Part No	Description	Quantity
C-2	GA5012461	M12 Nyloc Nut	4
C-3	GA5000577	12mm Washer S/S	4

TANK STOPS



Item	Part No	Description	Quantity
A	GA4522510	Left Tank Stop	1
B	GA4522515	Right Tank Stop	1
C-1	GA5000331	M12 x 50mm Bolt	4

Item	Part No	Description	Quantity
C-2	GA5012461	M12 Nyloc Nut	4
C-3	GA5000577	12mm Washer S/S	8

MAIN TANK



# CHAPTER 12

## WHEELS, AXLES, MUDGUARDS



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Hubs . . . . .	12-13
Braked Hubs . . . . .	12-14

## WHEELS



### 18.4 x 38 Wheels

Item	Part No	Description	Quantity
A	GA4901410	Complete Wheel and Tyre	1
B	GA5018820	38" x 15" Wheel	1
C	GA5001107	18.4 x 38 Tyre (16 ply)	1

### 18.4 x 42 Wheels

Item	Part No	Description	Quantity
A	GA4901414	Complete Wheel and Tyre	1
B	GA5020225	42" x 16" Wheel	1
C	GA5001105	18.4 x 42 Tyre (16 ply)	1

### 20.8 x 42 Wheels

Item	Part No	Description	Quantity
A	GA4901415	Complete Wheel and Tyre	1
B	GA5001105	42" x 18" Wheel	1
C	GA5020830	20.8 x 42 Tyre (16 ply)	1

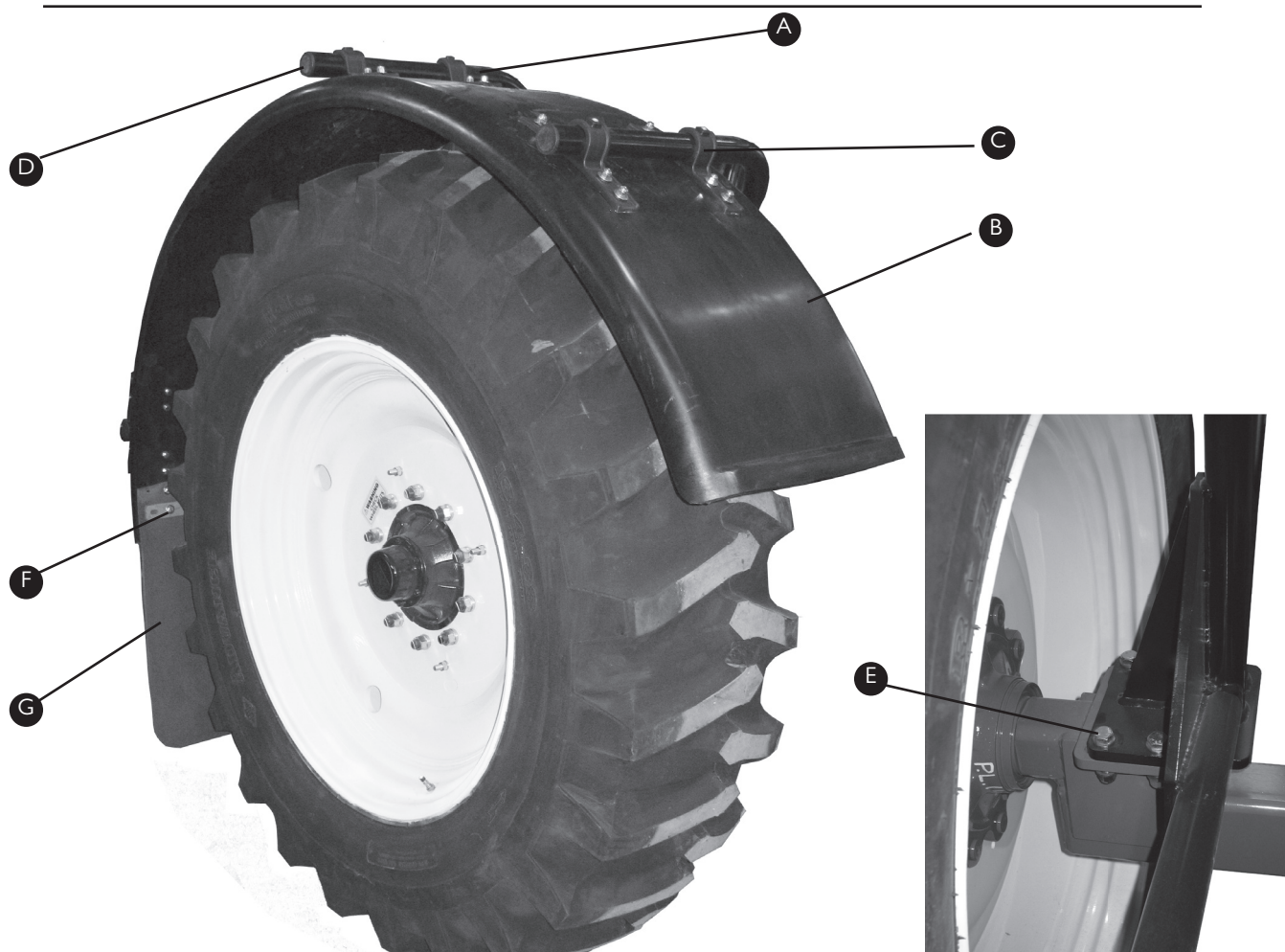
### Wheel Nuts

Item	Part No	Description	Quantity
D	GA5018892	22mm Wheel Nut	10
E	GA5018900	M22 Tapered Washer	10

Quantity is per side, both sides are the same.

Note: Tyres are fitted as Left or Right, Tyres also contain tube which are available at your local tyre specialist.

## MUDGUARD KITS



### 38" Wheels, Airbag Axle

Item	Part No	Description	Quantity
	GA4900591-EF-NS-38	Full Mudguard Kit	1
A-1	GA4655078	Mudguard Bracket RH	1
A-2	GA4655079	Mudguard Bracket LH	1
B	GA5003825	Mudguard 500W x R1000	2
C	GA5020450	Plastic Mudguard Mount	
		and mounting bolts	12
D	GA5003925	40mm Plastic Insert	6
E-1	GA5000931	M16 x 50mm Bolt (ZP)	8
E-2	GA5001029	M16 Nyloc Nut	8
E-3	GA5001043	16mm S/S Washer	16
F	GA4502725	Stiffener for Mudflap	2
G	GA5011949	Goldacres Mudflap	2
H-1	GA5006115	M10 x 25mm Bolt	6
H-2	GA5011131	M10 Dome Nut	6
H-3	GA5000139	10mm Washer	12

### 42" Wheels, Airbag Axle

Item	Part No	Description	Quantity
	GA4900591-EF-NS-42	Full Mudguard Kit	1
A-1	GA4655076	Mudguard Bracket RH	1
A-2	GA4655077	Mudguard Bracket LH	1
B	GA5003825	Mudguard 500W x R1000	2
C	GA5020450	Plastic Mudguard Mount	
		and mounting bolts	12
D	GA5003925	40mm Plastic Insert	6
E-1	GA5000931	M16 x 50mm Bolt (ZP)	8
E-2	GA5001029	M16 Nyloc Nut	8
E-3	GA5001043	16mm S/S Washer	16
F	GA502725	Stiffener for Mudflap	2
G	GA5011949	Goldacres Mudflap	2
H-1	GA5006115	M10 x 25mm Bolt	6
H-2	GA5011131	M10 Dome Nut	6
H-3	GA5000139	10mm Washer	12

## MUDGUARD KITS CONTINUED

### 38" Wheels, Rigid Axle

Item	Part No	Description	Quantity
	GA4900591-P-EF-R	Full Mudguard Kit	1
A-1	GA4655082	Mudguard Bracket RH	1
A-2	GA4655083	Mudguard Bracket LH	1
B	GA5003825	Mudguard 500W x R1000	2
C	GA5020450	Plastic Mudguard Mount	
		and mounting bolts	12
D	GA5003925	40mm Plastic Insert	6
E-1	GA5000931	M16 x 50mm Bolt (ZP)	8
E-2	GA5001029	M16 Nyloc Nut	8
E-3	GA5001043	16mm S/S Washer	16
F	GA4502725	Stiffener for Mudflap	2
G	GA5011949	Goldacres Mudflap	2
H-1	GA5050180	M10 x 25mm Bolt	10
H-2	GA5011133	M10 Dome Nut	10
H-3	GA5000115	10mm Washer	20

### 42" Wheels, Rigid Axle

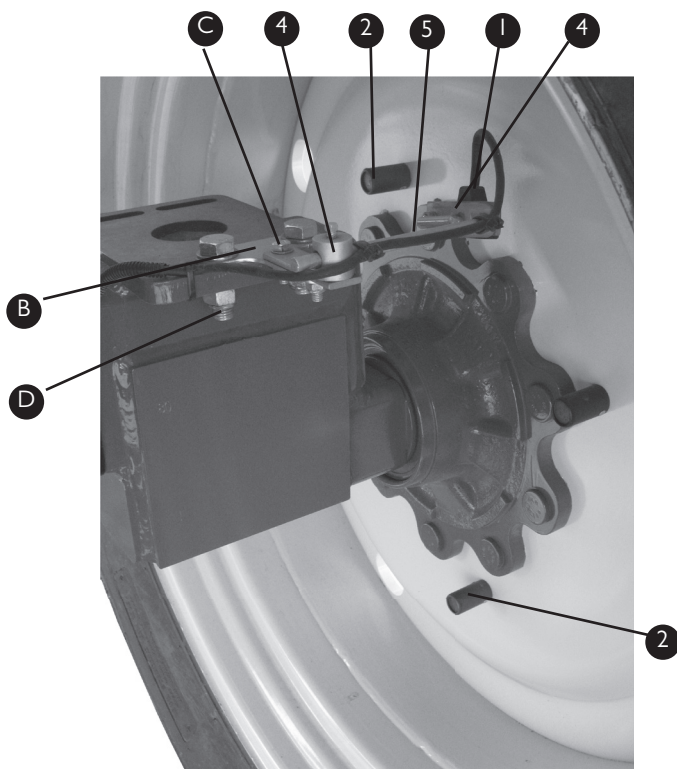
Item	Part No	Description	Quantity
	GA4900591-P-EF-R-42	Full Mudguard Kit	1
A-1	GA4655088	Mudguard Bracket RH	1
A-2	GA4655089	Mudguard Bracket LH	1
B	GA5003825	Mudguard 500W x R1000	2
C	GA5020450	Plastic Mudguard Mount	
		and mounting bolts	12
D	GA5003925	40mm Plastic Insert	6
E-1	GA5000931	M16 x 50mm Bolt (ZP)	8
E-2	GA5001029	M16 Nyloc Nut	8
E-3	GA5001043	16mm S/S Washer	16
F	GA502725	Stiffener for Mudflap	2
G	GA5011949	Goldacres Mudflap	2
H-1	GA5050180	M10 x 25mm Bolt	10
H-2	GA5011133	M10 Dome Nut	10
H-3	GA5000115	10mm Washer	20

### Steering Axles

Item	Part No	Description	Quantity
	GA4900591-EF-S	Full Mudguard Kit	1
A	GA4655247	Mudguard Bracket (adj)	6
B	GA5001029	Mudguard 500W x R1000	2
C-1	GA5003825	M16 x 60mm Bolt	18
C-2	GA5000941	M16 Nyloc Nut	18
C-3	GA5001043	16mm Washer	36
D	GA4502725	Stiffener for Mudflap	2
E	GA5011949	Goldacres Mudflap	1
F-1	GA5050180	M10 x 25mm Bolt	10
F-2	GA5011133	M10 Dome Nut	10
F-3	GA5000115	10mm Washer	20
G	GA4535575	Mudguard Spacer*	4

\* Spacer only used on wide wheels

## WHEEL SPEED SENSOR



### Wheel Speed Sensor

Item	Part No	Description	Quantity
A	GA5075858	Wheel Speed Sensor with 4 Magnets and 7 1/2" sensor cable	1
B	GA4534520	Bolt on Mounting Tab	1
C-1	GA5004713	M8 x 25mm Bolt (ZP)	2
C-2	GA5004917	M8 Nyloc Nut	2
C-3	GA5003643	8mm Washer	4
D-1	GA5011289	M16 x 45mm Bolt (ZP)	2
D-2	GA5001029	M16 Nyloc Nut	2
D-3	GA5001043	16mm Washer	4

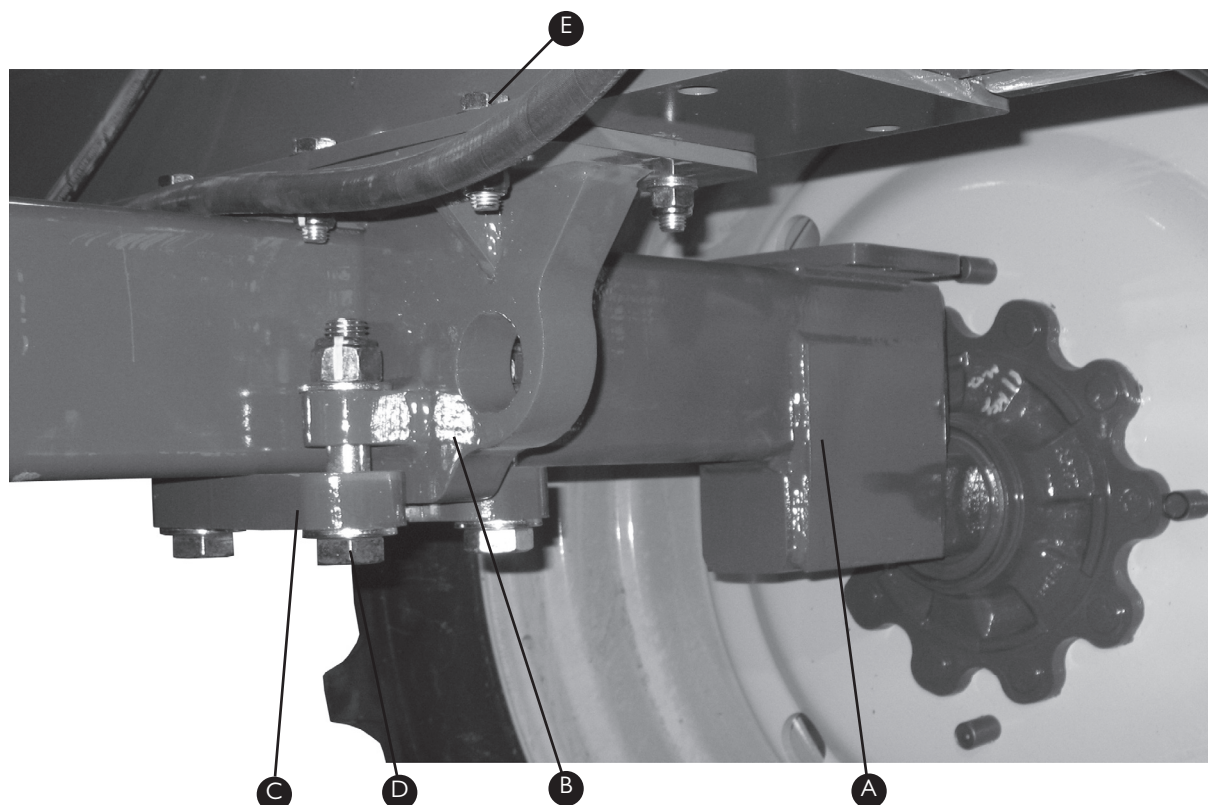
### Wheel Speed Sensor Kit

Assembly Part No 0630171152

Item	Part No	Description	Quantity
1	GA5075857	Wheel Speed Sensor with 7 1/2' sensor cable	1
2	GA5075818	Red Wheel Magnet	2
3	GA5075817	Black Wheel Magnet	2
4	GA5075822	Mounting Adapter	2
5	GA5076045	Mounting Rod	1



## RIGID AXLES



### Common Rigid Axle Components

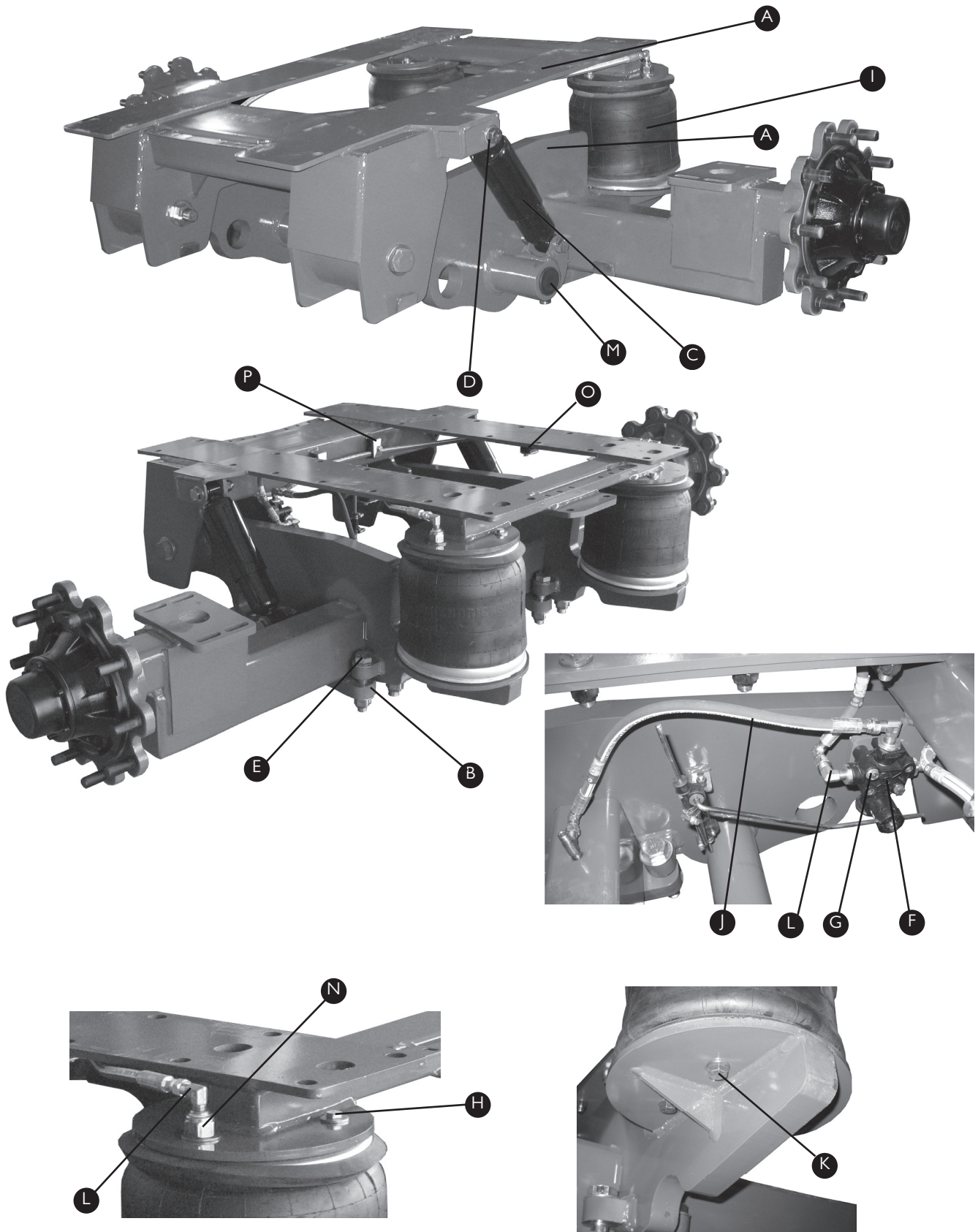
Item	Part No	Description	Quantity
B	GA4652986	Rigid Axle Carrier	2
C	GA4632050	Axle Retainer Plate	2
D-1*	GA5006149	1" UNC x 4 1/2" Bolt	8
	GA5067030	1" UNC x 6 1/2" Bolt	
D-2	GA5012439	1" UNC Nyloc Nut	8
D-3	GA5017659	1" Washer	16
E-1	GA5000931	M16 x 50mm Bolt	16
E-2	GA5001029	M16 Nyloc Nut	16
E-3	GA5001009	16mm Washer	32

### Rigid Axles

Item	Part No	Description	Quantity
A	GA4652851	2m Rigid Axle	1
	GA4652847	2.05m Rigid Axle	1
	GA4652848	2.1m Rigid Axle	1
	GA4652849	3m Rigid Axle	1

\* 4 1/2" Bolt used on axles 2m - 2.1m, when 3m axle is selected 6 1/2" bolt to be used

## AIRBAG SUSPENSION



## AIRBAG SUSPENSION

### Complete Airbag Suspension (Non-Steer)

Part No	Description
GA4900085	Complete Assembly (2.05m Axle)

### Axles to Suit Airbag Suspension

Part No	Description	Quantity
GA4652851	2m Axle	1
GA4652845	2.05m Axle	1
GA4652848	2.1m Axle	1
GA4652849	3m Axle	1

### Airbag Suspension Components

Item	Part No	Description	Quantity
A	GA4652810	Airbag Suspension Frame	1
B	GA4632005	Axle Retainer Plate	2
C	GA5015139	Shock Absorber	2
D-1	GA5049490	3/4" x 4" UNC Bolt (ZP)	4
D-2	GA5048430	3/4" UNC Nyloc Nut	4
D-3	GA5001741	20mm S/S Washer	8
E-1*2	GA5006031	1" x 5" UNC Bolt (ZP)	8
	GA5067030	1" x 6 1/2" UNC Bolt	8
E-2	GA5012439	1" UNC Nyloc Nut	8
E-3	GA5017659	1" Washer	16
F	GA5010867	Ride Height Leveling Valve	1
G-1	GA5004741	M8 x 75mm Bolt (ZP)	4
G-2	GA5004917	M8 Nyloc Nut	4
G-3	GA5003651	8mm Washer	8
H-1	GA5002599	3/8" x 1 1/4" UNC Bolt (ZP)	4
H-2	GA5002593	3/8" x 14g Washer	4
I	GA5005311	Airbag	2
J	GA5048516	Airbag Hose Kit	1

Item	Part No	Description	Quantity
	GA5048516-01	Hose from Valve to LH Airbag	1
	GA5048516-02	Hose from Valve to RH Airbag	1
	GA5048516-03	Hose from Valve to Air Tank	1
K-1	GA5006167	1/2" x 1" UNF Bolt	8
K-2	GA5017615	1/2" Washer	8
L	GA3500258	90 deg Elbow	4
M	GA5051366	Round Plastic Insert	2
N	GA5049495	3/4" UNF Nyloc Nut	2
O-1	GA5078058	Single Ryco Clamp Body	4
O-2	GA5078068	Single Ryco Clamp Top Plate	2
O-3	GA5011425	M6 x 35mm Cap Screw	4
O-4	GA5004447	6mm Spring Washer	4
P-1	GA5078031	Double Ryco Clamp Body	4
P-2	GA5078031	Double Ryco Clamp Top Plate	2
P-3	GA5011487	M8 x 40mm Cap Screw	2
P-4	GA5004921	8mm Spring Washer	2
	GA5048315	Drain Cock*1	2
	GA5046905	1/4" NPT Male Tapered Plug*1	1

### Tri-functional Bush Kit

Part No	Description
GA5066455	Trifunctional bush to suit EF*3

### Replacement Rubber for Ride Height Leveling Valve

Part No	Description
GA5014651	Replacement Rubber Kit

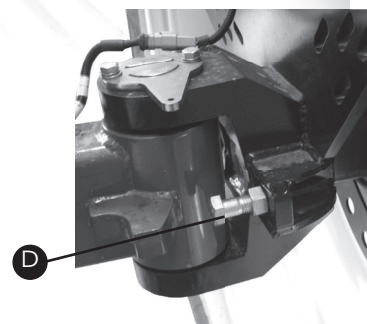
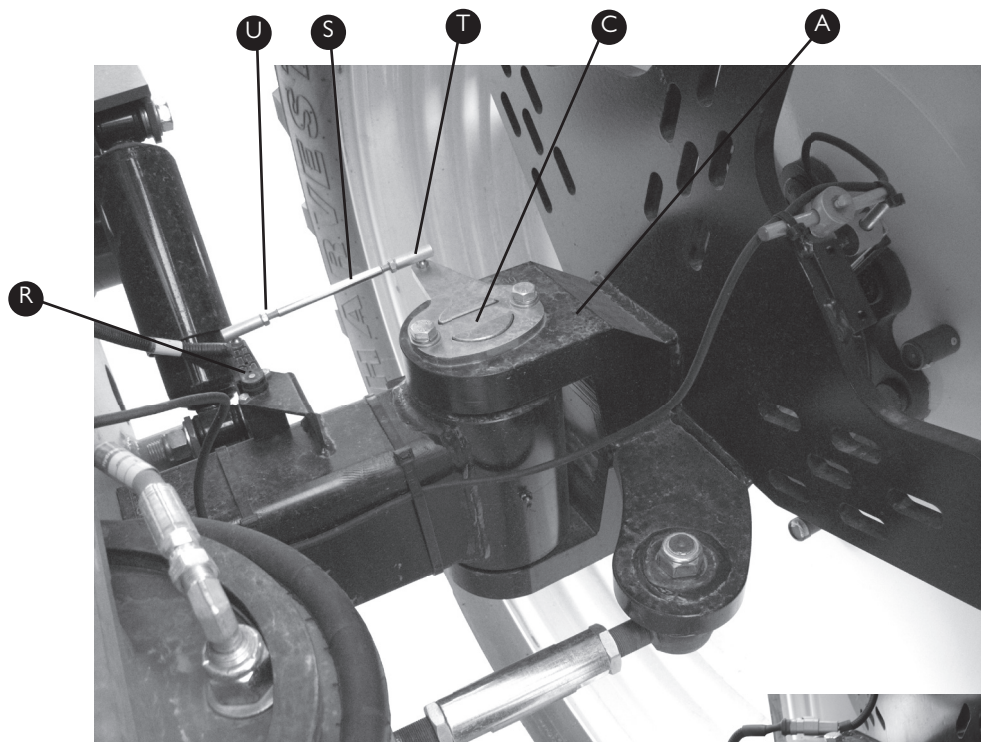
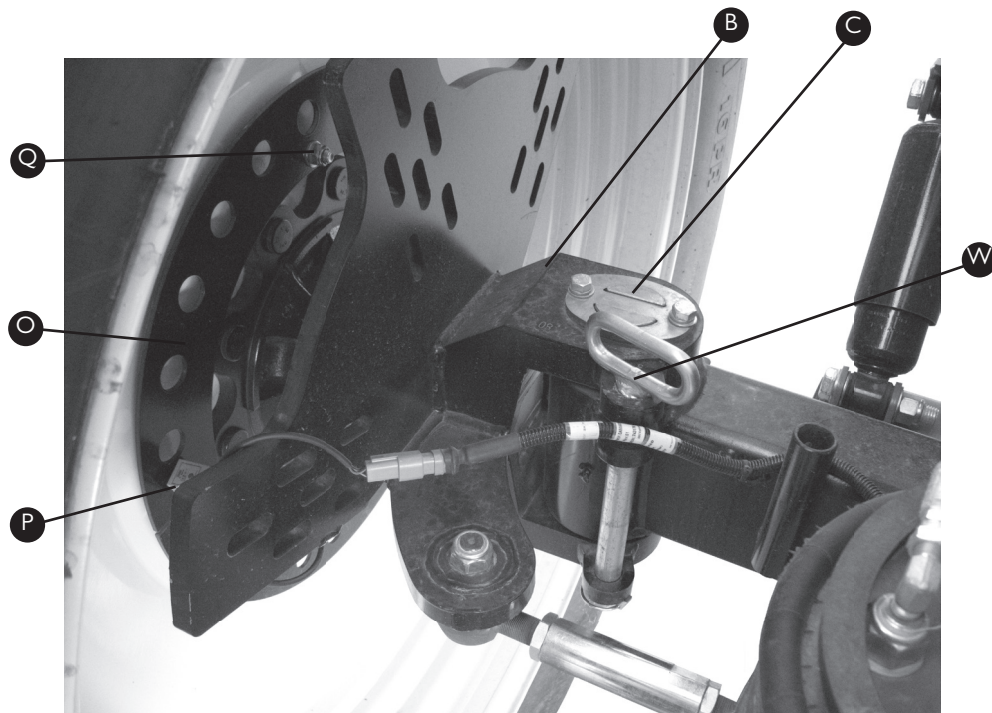
\*1 Items not shown

\*2 4 1/2" Bolt used on axles 2m - 2.1m, when 3m axle is selected 6 1/2" bolt to be used

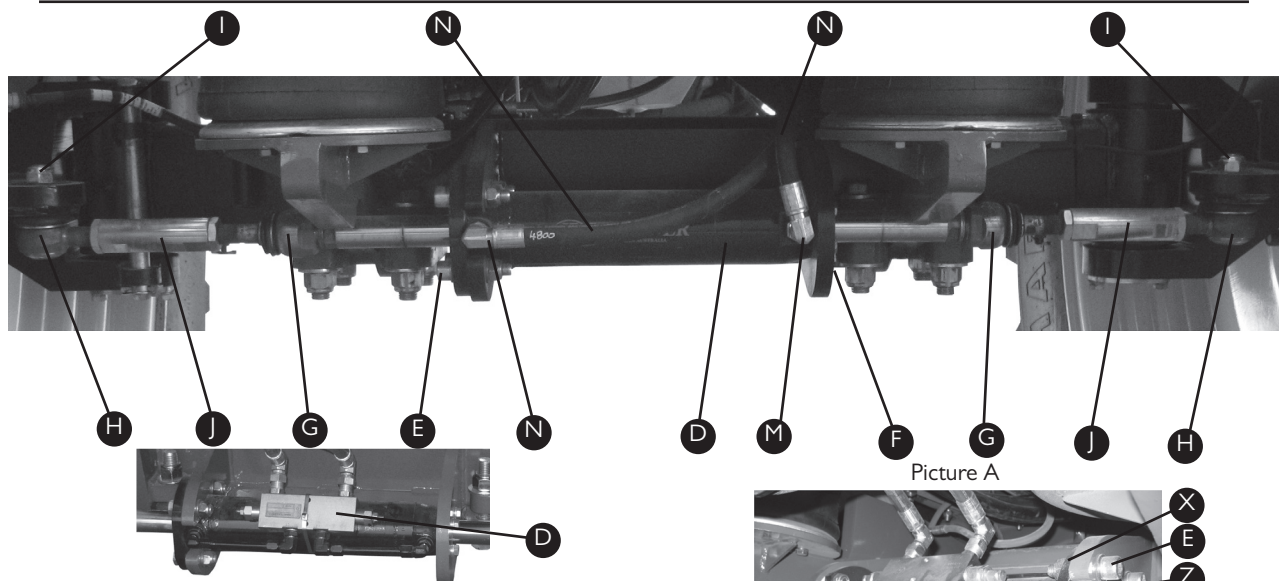
\*3 Please Note that these bushes are filled with polyurethane



## STEERING AXLES AND COMPONENTS



## STEERING AXLES AND COMPONENTS



### Steering Axles

Part No	Description	Quantity
GA4652730	Steering Axle 2m	1

### Steering Axle Components

Item	Part No	Description	Quantity
A	GA4652971	Steering Stub Axle RH	1
B	GA4652972	Steering Stub Axle LH	1
C-1	GA4552315	Steering King Pin	2
C-2	GA4552310	Steering Bush	2
C-3	GA4552305	Thrust Washer	4
C-4	GA4502280	Pin Retainer Plate	3
C-5	GA4502275	Pin Retainer Plate With Sensor Arm	1
D	GA5066585	Hydraulic Steering Cylinder with Counter Balance Valve*	1
E-1	GA5011305	M16 x 70mm Bolt (ZP)	4
E-2	GA5001029	M16 Nyloc Nut	4
E-3	GA5001043	16mm S/S Washer	8
F-1	GA5051160	7/16" x 1 1/2" UNF Bolt (ZP)	4
F-2	GA5000577	12mm S/S Washer	4
G	GA5065045	Inner Steering Ball Joint	2
H	GA5065040	Outer Steering Ball Joint	2
I	GA5048125	M20 Nyloc Nut	2
J	GA4562090	Steering Tie Rod	2
K	GA5060360	Steering Axle Wiring Loom	1
L	GA3500364	Hydraulic Cylinder Fitting	2

Item	Part No	Description	Quantity
M	GA5067894	Hydraulic Cylinder Hose (RH)	1
N	GA5067895	Hydraulic Cylinder Hose (LH)	1
O	GA4534025	Wheel Speed Sensor Disc	1
P	GA5060480	Wheel Speed Sensor	1
Q-1	GA5000347	M12 x 70mm Bolt (ZP)	4
Q-2	GA5012461	M12 Nyloc Nut	4
Q-3	GA5000577	12mm S/S Washer	8
Q-4	24MK3CS011M	Spacer	4
R	GA5047668	Steering Angle Sensor	1
S	GA4572045	Steering Sensor Linkage	1
T	GA5005681	1/4" Ball Joint	2
U	GA5012414	1/4" Nut (ZP)	4
V-1	GA5011323	M20 x 60mm Bolt	2
V-2	GA5001707	M20 Nut	2
W-1	GA4657100	Safety Pin	1
W-2	GA5010903	Safety Pin Clip	1
X	GA4514635	Bolt On Cylinder Flange	1
Y	GA4514640	Cylinder Shim (1mm S/S)	#
Z-1	GA5070250	7/16" x 1" UNF Cap Screw	4
Z-2	GA5000577	12mm S/S Washer	4

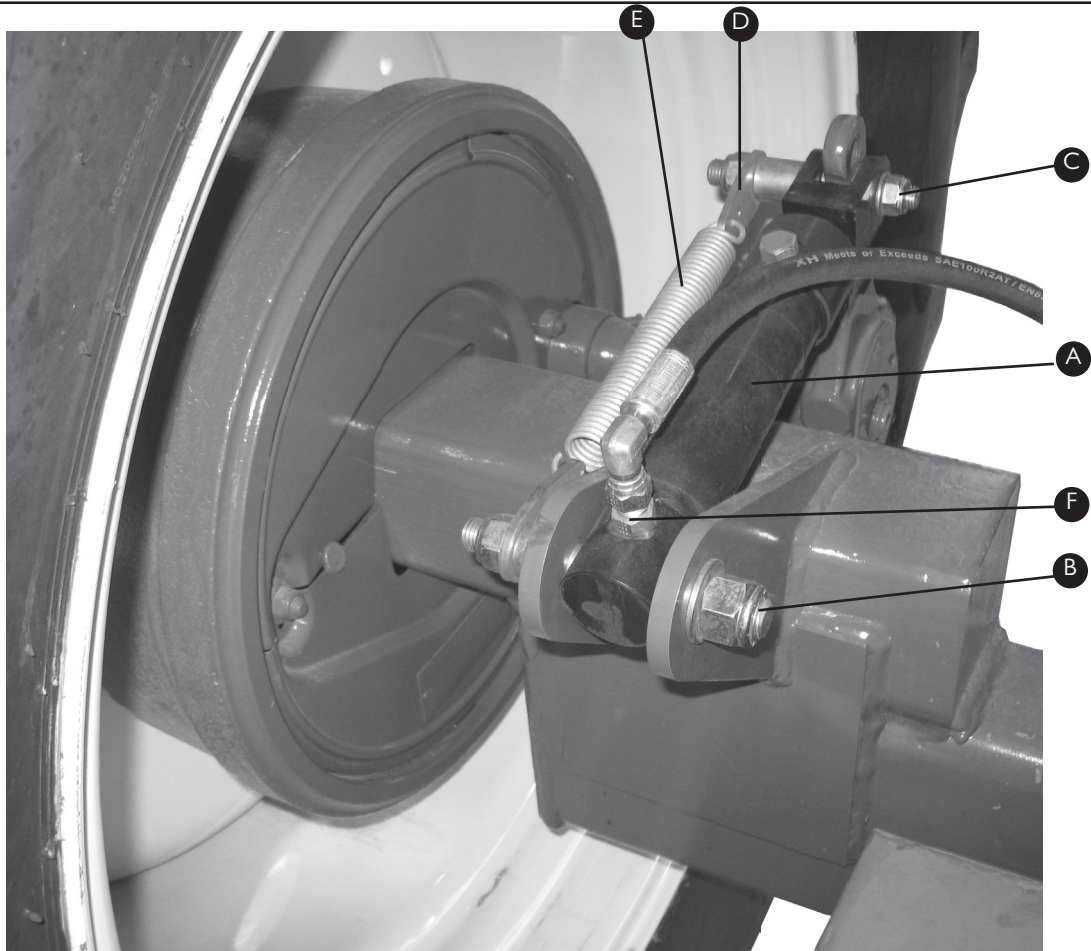
Note\*: Steering cylinder (item D) shown in full assembly picture is of a pre May 2009 all machines after this date will have the cylinder shown in the other picture with the counter balance valve as a part of the cylinder.

Note: Picture A shows a machine from July 2009 with the bolt on end flange on the hydraulic cylinder. Please note the cylinder hasn't changed.

# Quantity Varies



## BRAKED AXLES



### Braked Axles

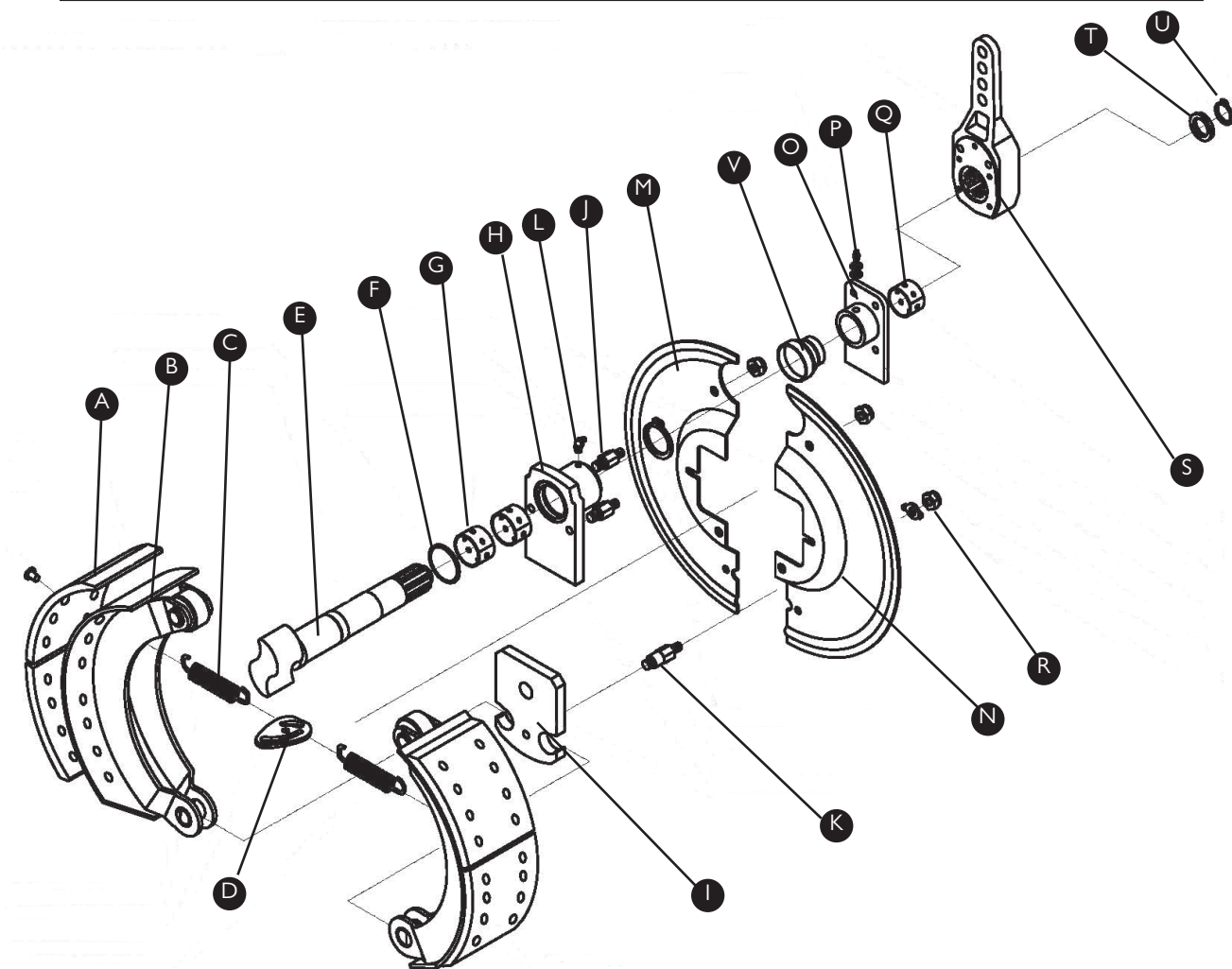
Part No	Description
GA4652852	2.1m Braked Axle
GA4652872	2.2m Braked Axle
GA4652869	2.8m Braked Axle
GA4652866	3m Braked Axle

### Brake Components

Item	Part No	Description	Quantity
A	GA5016121	Hydraulic Brake Cylinder	2
B-1	MACH0201	Upper Ram Mounting Pin	2
B-2	GA5001029	M16 Nyloc Nut	2
B-3	GA5048430	3/4" UNC Nyloc Nut	2
C-1	MACH0202	Lower Ram Mounting Pin	2
C-2	GA5001029	M16 Nyloc Nut	2
C-3	GA5012461	M12 Nyloc Nut	2
D	F70121A	Spring Mounting Plate	4
E	GA5007755	Spring	2
F	GA3500358	Hydraulic Nipple	2

Note: For hydraulic hoses refer to Hydraulics (Chapter 18)

## BRAKE COMPONENTS



Brake Components

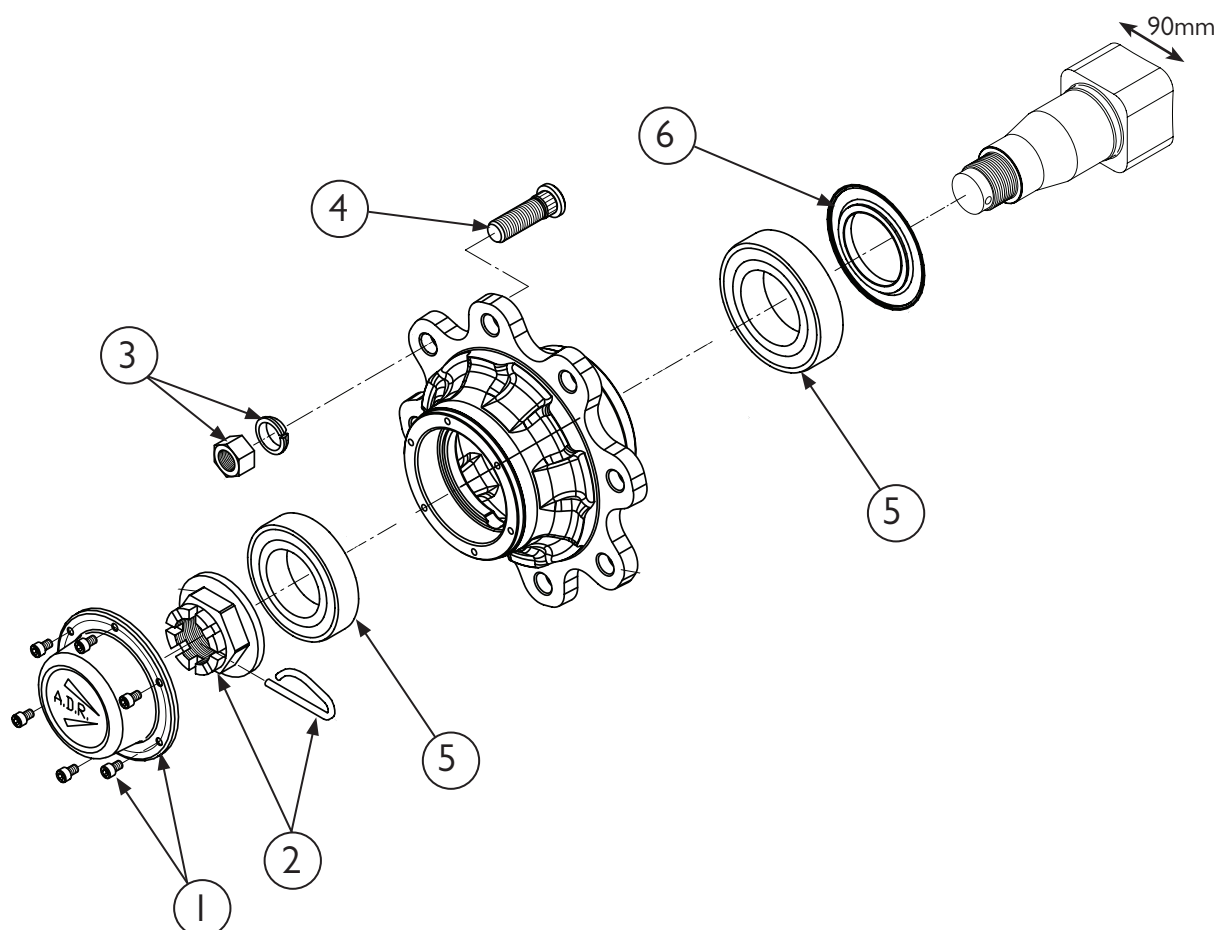
Item	Part No	Description	Quantity
A	GA5062505	Brake Shoe	2
B	GA5062510	Brake Shoe Holder	2
C	GA5062515	Brake Return Spring	2
D	GA5062520	Brake Return Spring Mount	1
E	GA5062525	S Cam	1
F	GA5062530	O-Ring	1
G	GA5062535	Spacers	2
H	GA5062540	S Cam Mount	1
I	GA5062545	Lower Brake Shoe Mount	1
J	GA5062550		2
K	GA5062555		1
L	GA5062560	Grease Nipple	1

Item	Part No	Description	Quantity
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

Note: Quantities are per hub

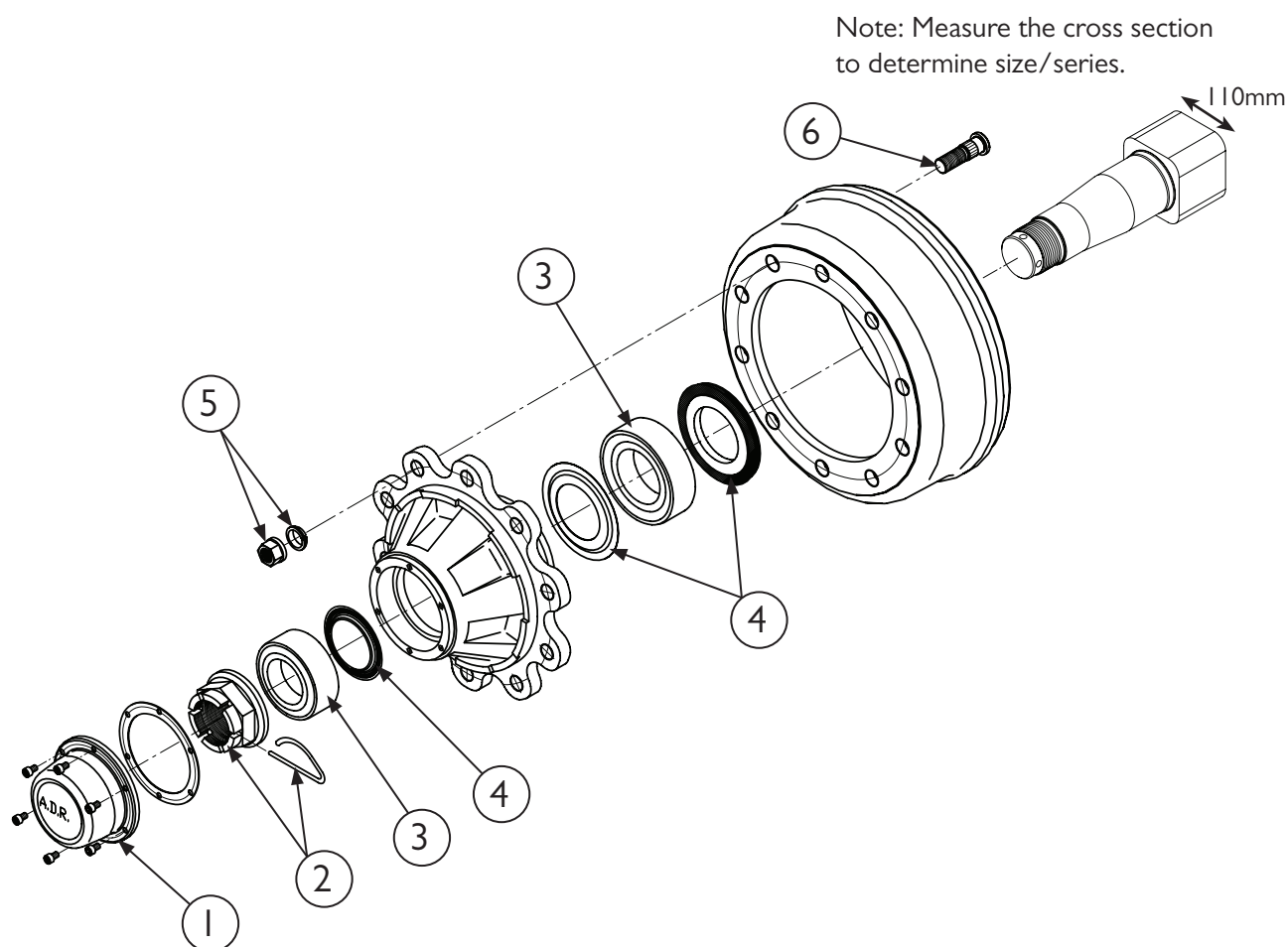
## HUB - UNBRAKED

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
3	GA5052165	Wheel nut kit, Suit 90 / 110 series stub axle, ADR (set of 10)	1
4	GA5052205	Wheel stud kit, 90 Series, ADR (set of 10)	1
5	GA5052200	Bearing Kit, 90 Series, ADR	1
6	GA5066405	Seal kit, 90 Series, ADR	1

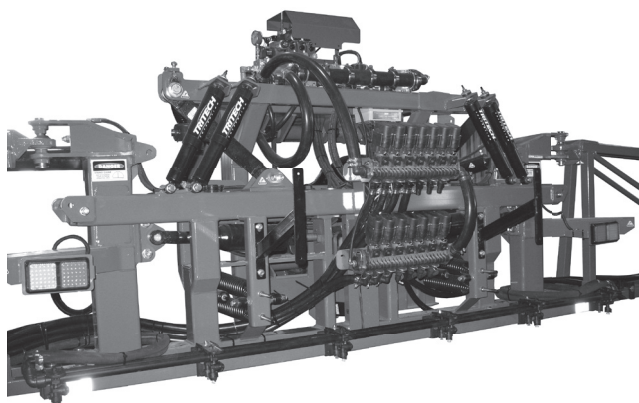
## HUB - BRAKED



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5018121	Stub axle, 110 Series, LH, Braked, ADR	-
-	GA5018120	Stub axle, 110 Series, RH, Braked, ADR	-
1	GA5052145	Cap kit, 110 Series, ADR	1
2	GA5052140	Crown nut kit, 110 Series, ADR	1
3	GA5052135	Bearing kit, 110 Series, Braked, ADR	1
4	GA5052130	Seal kit, 110 Series, Braked, ADR	1
5	GA5052165	Wheel nut kit, Suit 90 / 110 series stub axle, ADR (set of 10)	1
6	GA5052125	Stud kit, 110 Series, Braked, ADR	1

# CHAPTER 13

## BOOM CENTRE AND PARALIFT REAR



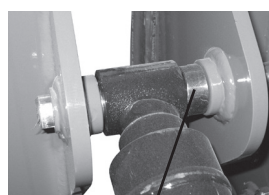
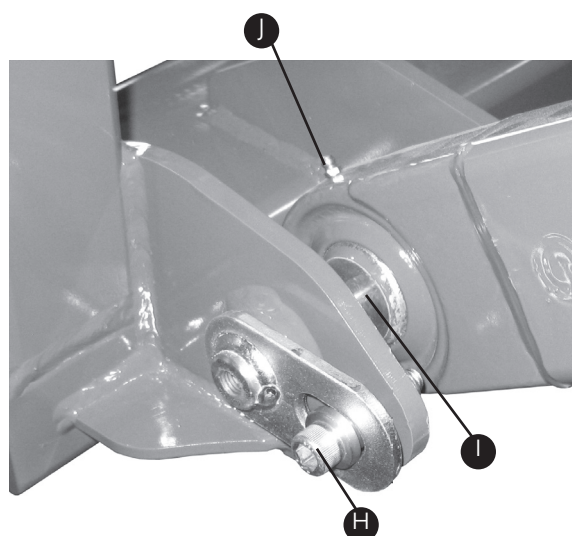
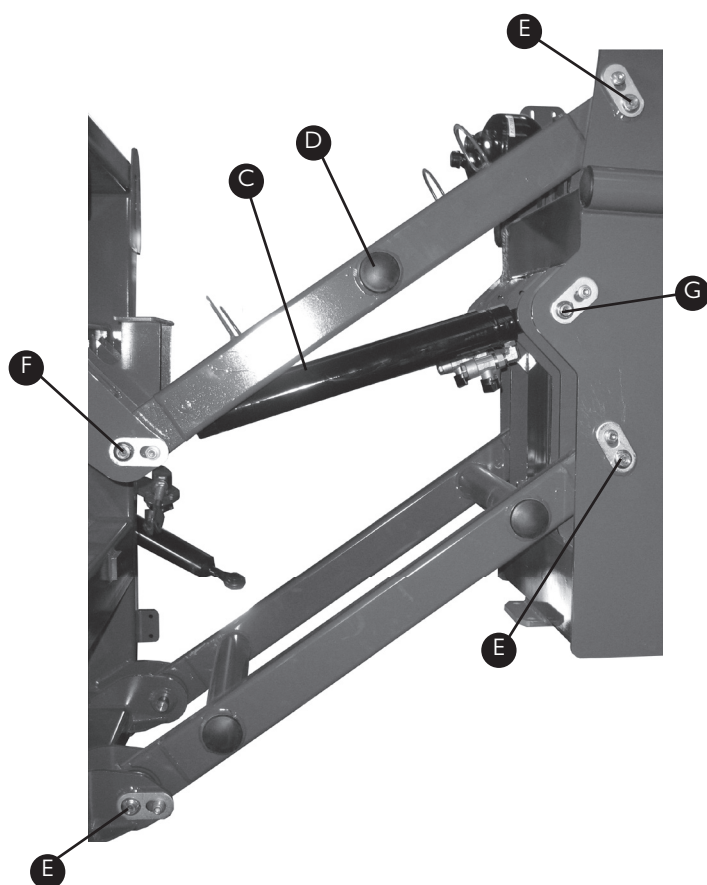
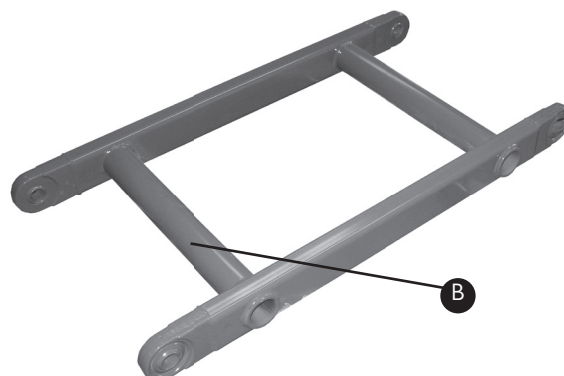
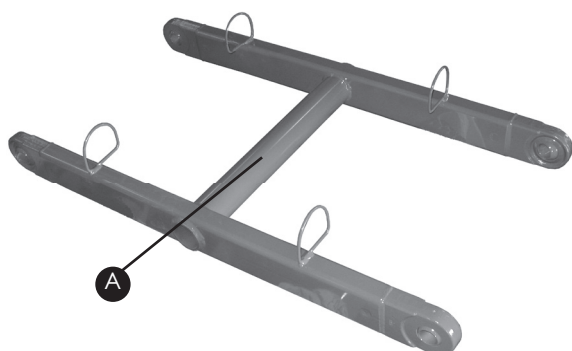
Paralift Arms and Mounting Hardware . . .	13-2
Boom Height Limit Switch . . . . .	13-3
Bump Stops . . . . .	13-3
Hydraulic Accumulators . . . . .	13-4
Accumulator Manifold . . . . .	13-4
MK2 Paralift Rear* . . . . .	13-5
MK2 Centre Section* . . . . .	13-6
MK2 Fold Cylinder Mount* . . . . .	13-6
MK2 Tilt Arms* . . . . .	13-7
MK2 Hydraulic Tilt* . . . . .	13-8
MK2 Tilt Replacement Links* . . . . .	13-8
MK3 Paralift Rear# . . . . .	13-9
MK3 Centre Section# . . . . .	13-10
MK3 Tilt Arms# . . . . .	13-11
MK3 Hydraulic Tilt# . . . . .	13-12
MK3 Tilt Replacement Links# . . . . .	13-12
Delta Links . . . . .	13-13
Centre Section Dampers . . . . .	13-14
Yaw Dampers and Springs . . . . .	13-15
Hydraulic Yaw . . . . .	13-16
Oversize Sign and Brackets . . . . .	13-17
Boom Pivot Pins . . . . .	13-18
Boom Cable Adjusters . . . . .	13-18
Boom Valves . . . . .	13-19
Boom Valve Components . . . . .	13-19
Section Valve Components . . . . .	13-20
Section Valve with Relief . . . . .	13-21

\* This MK2 Boom Centre suits all 33-36m tritech booms and sprayers fitted with weedseeker cameras  
A MK2 Paralift rear and centre section can also be defined by the way their tilt arms pivot with a MK2 tilt arm pivoting from the bottom of the tilt arm.

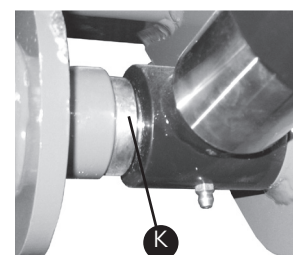
# A MK 3 Boom Centre suits all 24-30m tritech booms  
A MK3 Paralift rear and centre section can also be defined by the way their tilt arms pivot with a MK3 tilt arm pivoting from the top of the tilt arm.



## PARALIFT ARMS AND MOUNTING HARDWARE



Picture of base end of  
cylinder (Chassis End)



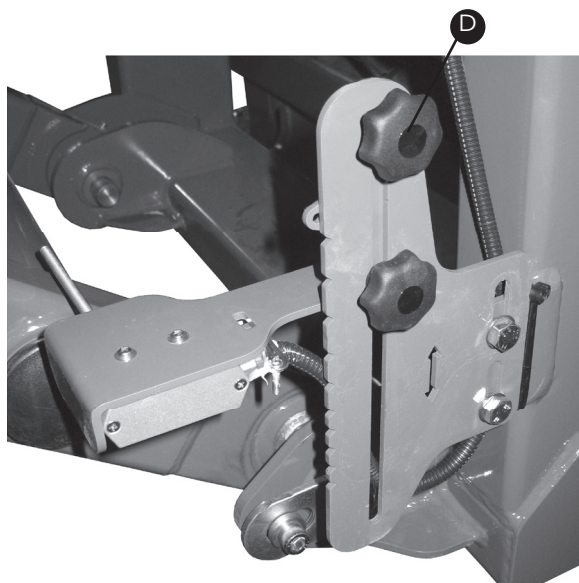
Picture of rod end of  
cylinder (Boom End)

Item	Part No	Description	Quantity
A	GA4654106	Top Paralift Arm	1
B	GA4654101	Bottom Paralift Arm	1
C	GA5070075	Hydraulic Ram	2
D	GA5050355	Round Plastic Pulg	6
E	GA5066655	Short Arm Pin	6
F	GA5066675	Long Arm and Cylinder Pin	2
G	GA5066645	Long Cylinder Only Pin	2

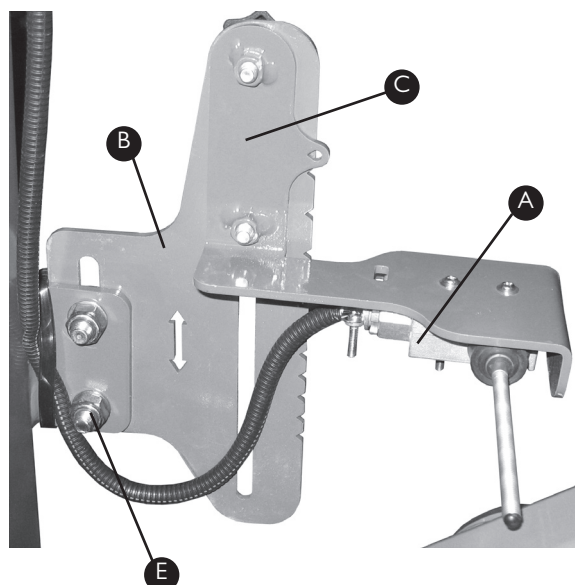
\* Complete Pin and Bush Kit Available Part No. GA5066670

Item	Part No	Description	Quantity
H-1	GA5051470	M12 x 50mm Cap Screw	10
H-2	GA5012461	M12 Nyloc Nut	10
H-3	MACH0152	Spacer	10
I	MACH0134	Bush	8
J	GA5050450	Grease Nipple	16
K	GA4572135	Narrow Cylinder Bush	2
L	GA4562190	Wide Cylinder Bush	2

## BOOM HEIGHT LIMIT SWITCH



Item	Part No	Description	Quantity
A	GA5012129	Limit Swicth	1
B	GA4522290	Chassis Bracket	1
C	GA4654161	Adjustable Bracket	1
D-1	GA5067080	M8 x 20mm Plastic Knob	2

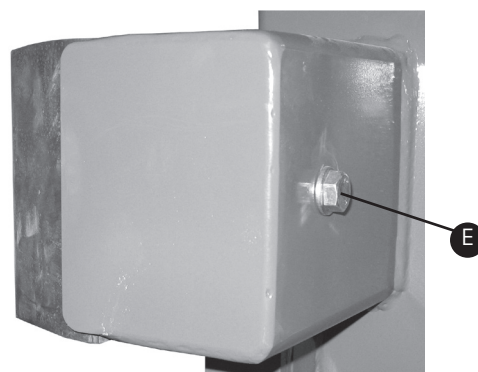


Item	Part No	Description	Quantity
D-2	GA5004913	8mm Washer	2
E-1	GA5065455	M10 x 30mm Bolt	2
E-2	GA5000141	M10 Nyloc Nut	2
E-3	GA5000139	10mm Washer	4

## BUMP STOPS



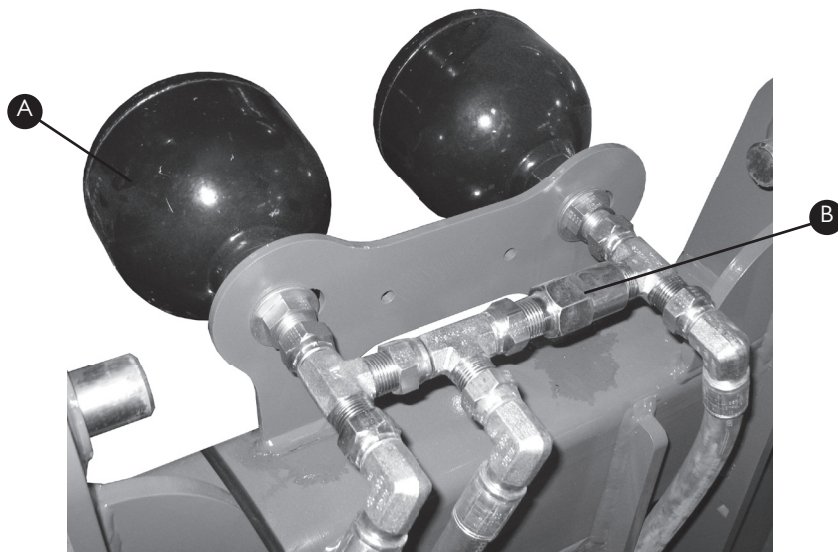
Item	Part No	Description	Quantity
A	GA5006537	Rubber Block	1
B	F70367A	Block Holding Plate	1
C-1	GA5000271	M12 x 140mm Bolt	1



Item	Part No	Description	Quantity
C-2	GA5012461	M12 Nyloc Nut	1
C-3	GA5000577	12mm Washer	2

\* Located on the Paralift Rear

## HYDRAULIC ACCUMULATORS

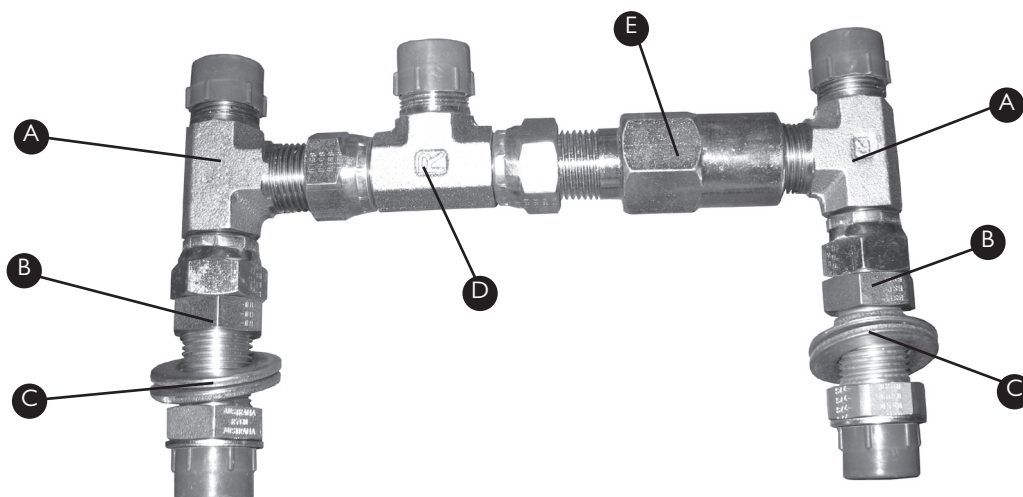


Item	Part No	Description	Quantity
A#	GA5007787	Accumulator (70 BAR)	2
	GA5007789	Accumulator (48 BAR)	2
B	GA4903058	Accumulator Manifold*	1

\* See Below

# 70 BAR Accumulators Used on All Tritech Booms, 48 BAR Accumulators Used on all Delta Booms

## ACCUMULATOR MANIFOLD

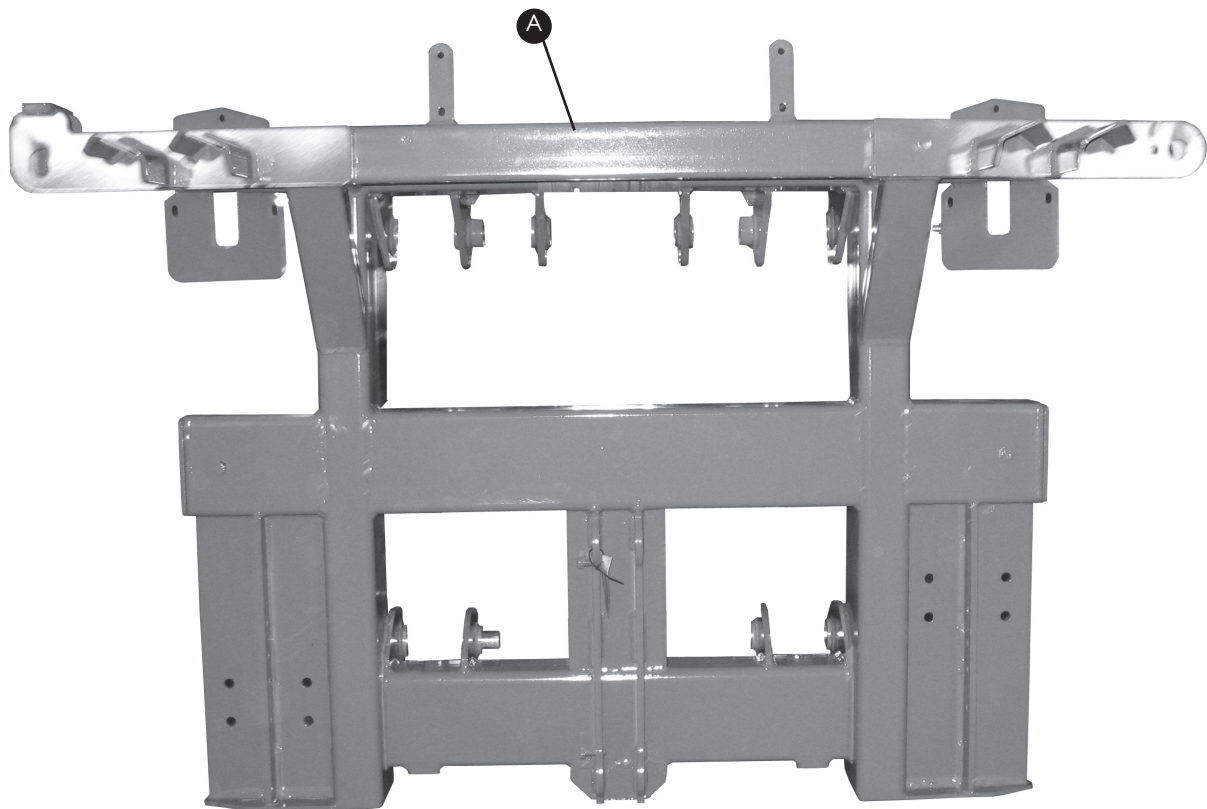


Assembly Part No GA4903058

Item	Part No	Description	Quantity
A	GA3500200	Hydraulic Tee	2
B	GAS99-603	Hydraulic Nipple	2
C	GA5001045	3/4" Washer	4

Item	Part No	Description	Quantity
D	GA3500336	Hydraulic Tee	1
E	GA4572110	Hydraulic Fitting	1

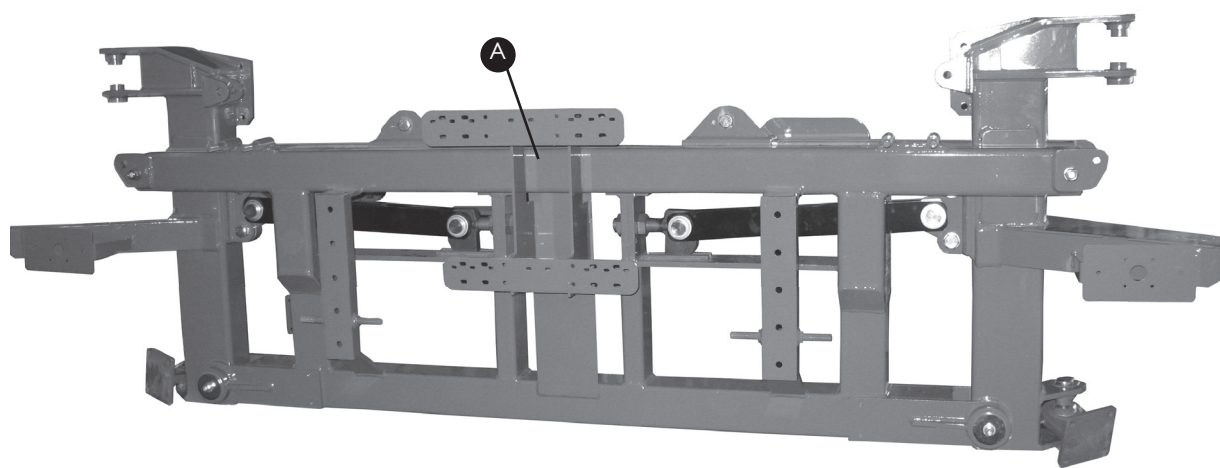
## MK 2 PARALIFT REAR



Item	Part No	Description	Quantity
A	GA4654160	MK2 Paralift Rear	1



# MK 2 CENTRE SECTION



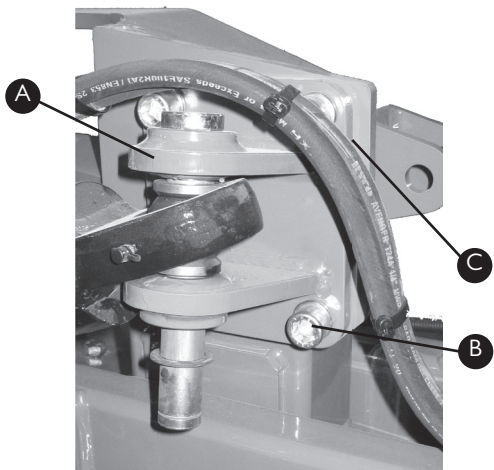
Item	Part No	Description	Quantity
A	GA4654125	MK2 Centre Section*	1

# Please note that this part does not include the tilt arms as shown and if required they must be ordered seperately.

# MK 2 FOLD CYLINDER MOUNT

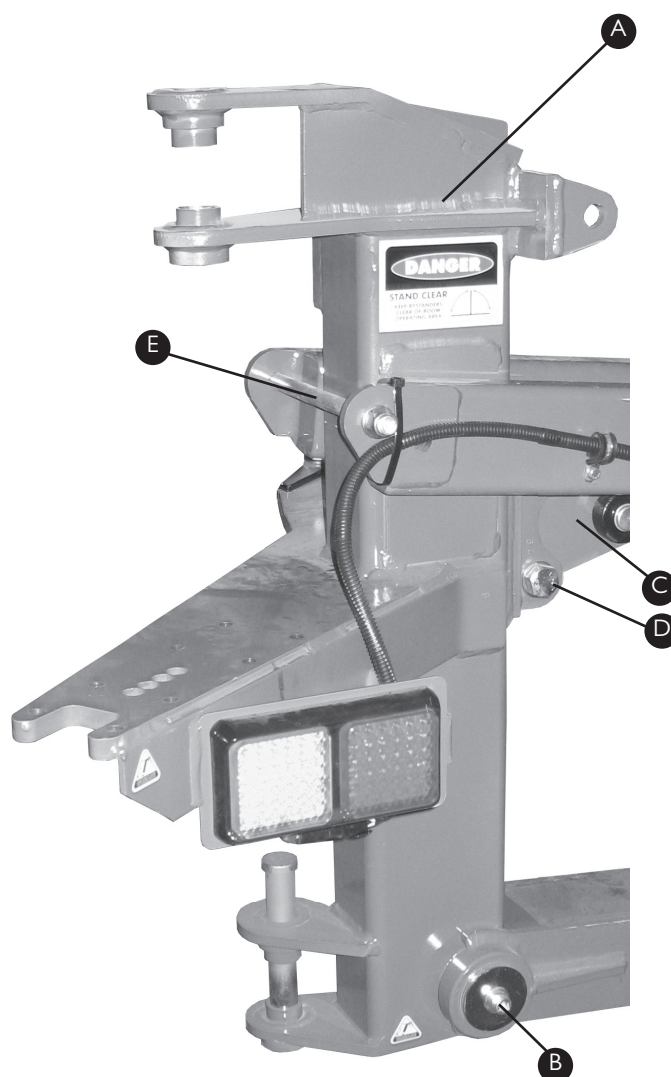
Item	Part No	Description	Quantity
A	GA4653315	Inner Fold Cylinder Mount	1
B-1	GA5000905	M16 x 25mm Cap Screw	4
B-2	GA5001043	16mm Washer	4
B-3	GA5001051	16mm Spring Washer	4
C	GA4513055	Shim 1mm S/S	*

Note: For pin Part No Refer to Boom Wing (Chapter 14)  
\* Quantity Varies





## MK 2 TILT ARMS

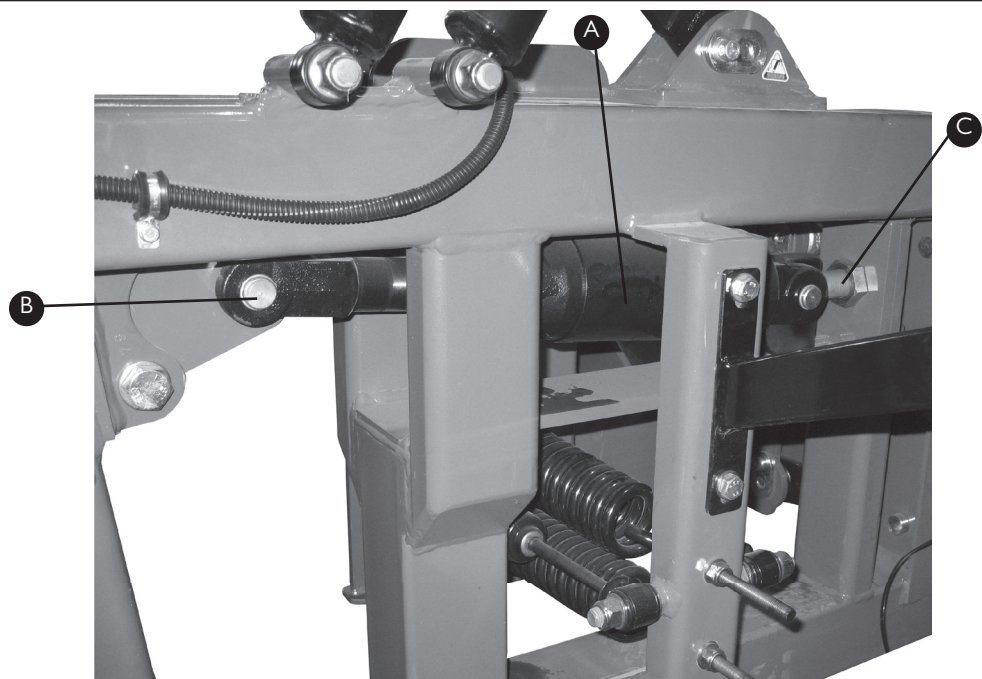


Item	Part No	Description	Quantity
A	GA4653384	Right Tilt Arm (MK2)	1
	GA4653385	Left Tilt Arm (MK2)	1
B-1	L018A	Pivot Pin	1
B-2	GA5000307	M12 x 30mm Cap Screw	1
B-3	GA5000577	12mm Washer	1
B-4	F70111A	Large Washer	1
B-5	GA5009475	Glacier Bush	2
C#	GA4513105	Tilt Ram Plate to suit	
		non-Ultraglide sprayer	1

Item	Part No	Description	Quantity
C#	GA4513085	Tilt Cylinder Plate to suit	
		Ultraglide sprayer	1
D-1	GA5001567	M20 x 75mm Bolt	2
D-2	GA5048125	M20 Nyloc Nut	2
D-3	GA5001741	20mm Washer	4
E-1	GA5000897	M16 x 240mm Bolt	1
E-2	GA5001029	M16 Nyloc Nut	1
E-3	GA5001043	16mm Washer	2

#Please choose second part number if the sprayer is fitted with ultraglide.  
Note: For tail light refer to Electrics (Chapter 15)

# MK 2 HYDRAULIC TILT



Item	Part No	Description	Quantity
A	GA5018551	Tilt Cylinder	2
B-1	GA4572040	Ram Pin 1" x 84mm	4
B-2	GA5001223	19mm E-Type Circlip	4

Item	Part No	Description	Quantity
C-1	GA4653330	Tilt Adjuster	2
C-2	GA5010973	1 1/4" UNF Lock Nut	4

# MK 2 TILT REPLACEMENT LINKS\*

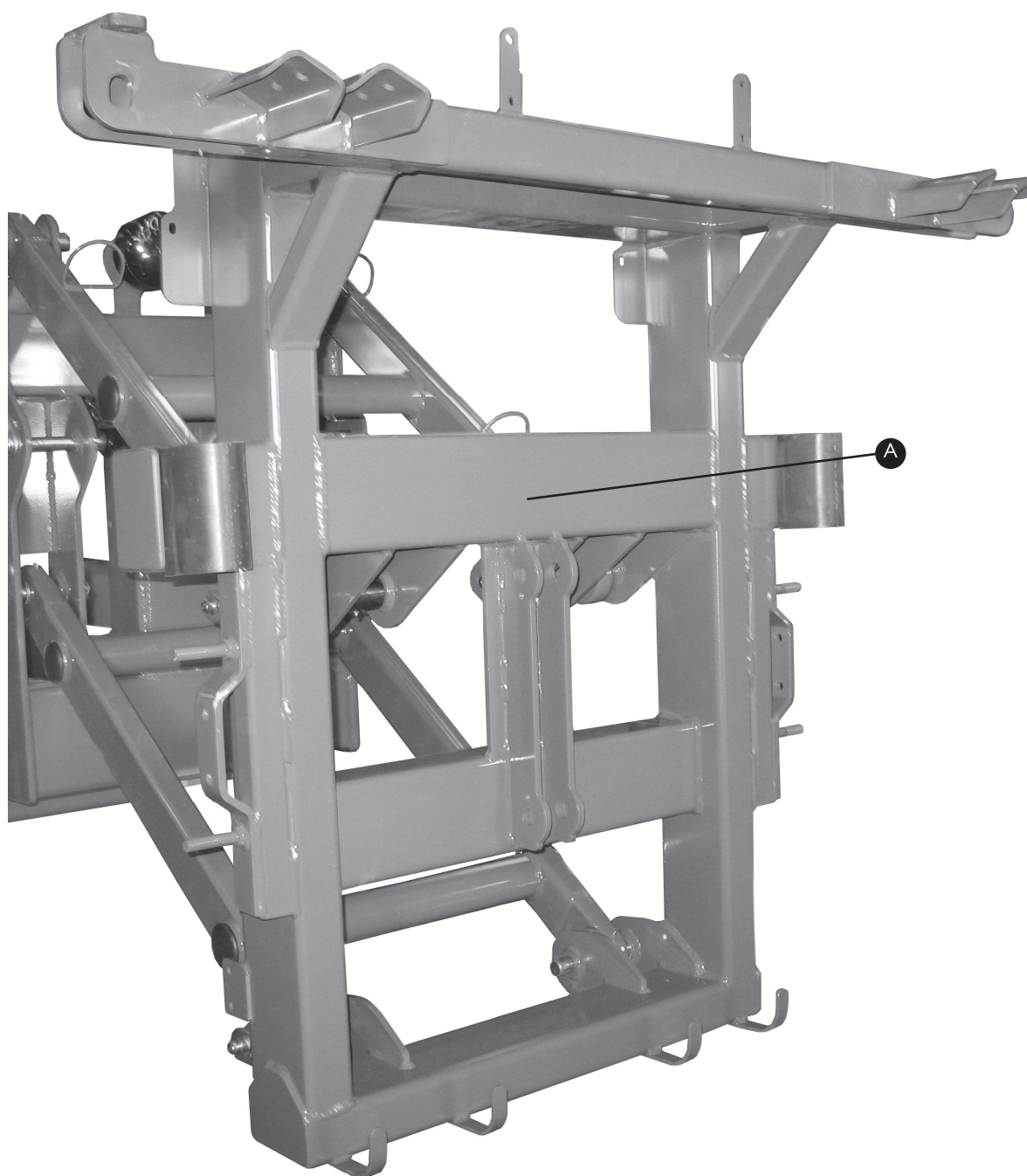


Item	Part No	Description	Quantity
A	24CS003LAS	Ram Replacement Link	2
B-1	L054A	Tilt Pin 1" x 71mm	4
B-2	GA5001223	19mm E-Type Circlip	4

Item	Part No	Description	Quantity
C-1	GA4653330	Tilt Adjuster	2
C-2	GA5010973	1 1/4" UNF Lock Nut	4

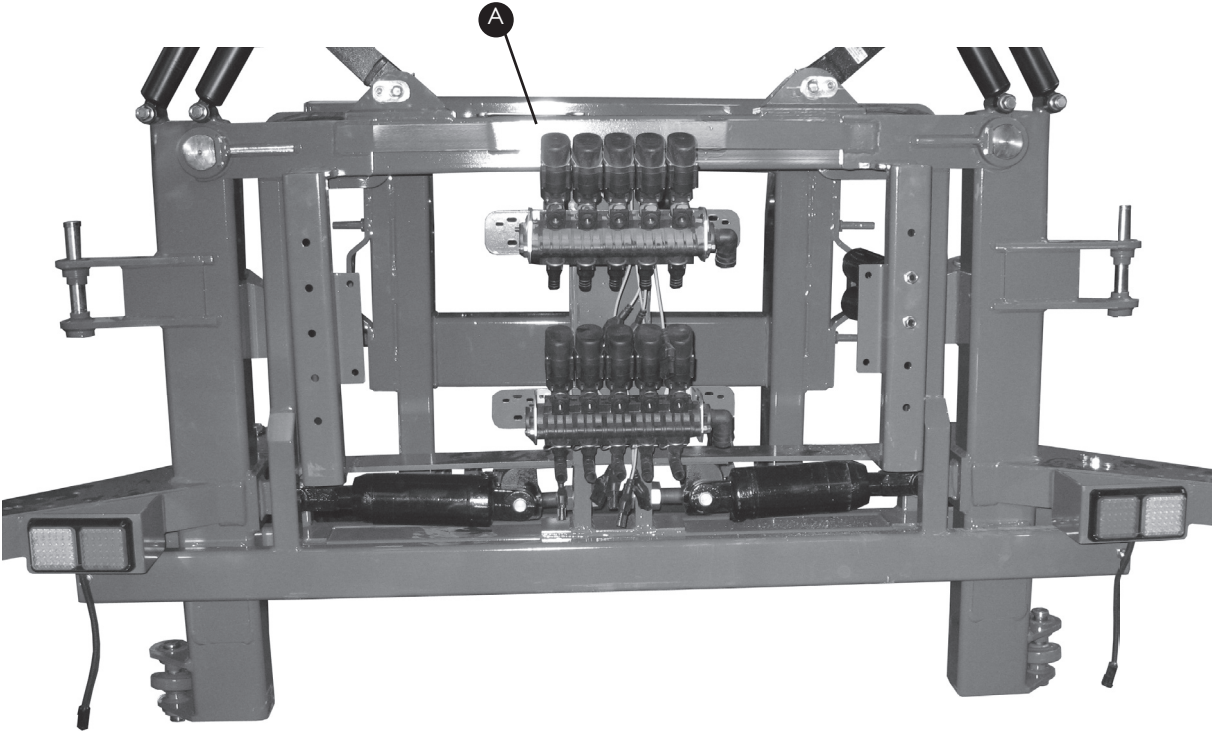
\* Used on sprayer without Hydraulic Tilt

## MK 3 PARALIFT REAR



Item	Part No	Description	Quantity
A	GA4654155	MK3 Paralift Rear	1

# MK 3 CENTRE SECTION

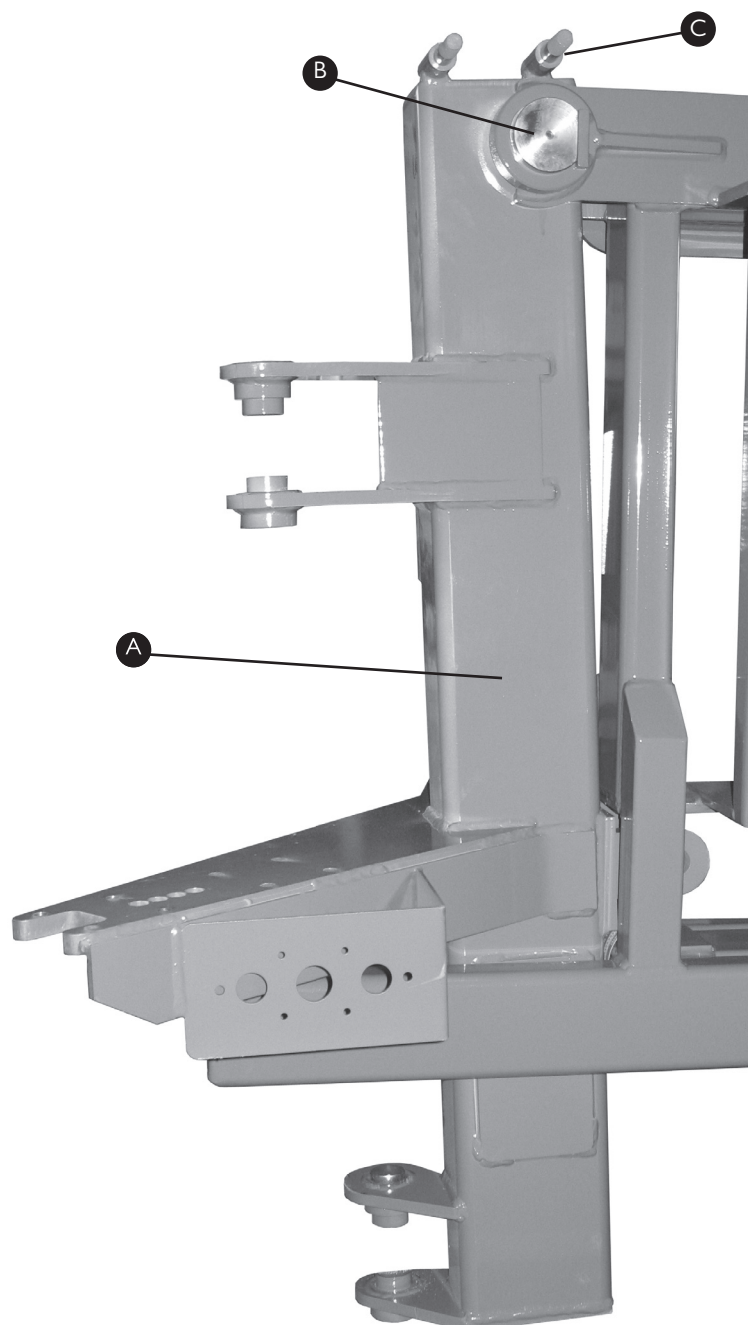


Item	Part No	Description	Quantity
A	GA4653200	MK3 Centre Section	1

# Please note that this part does not include the tilt arms as shown and if required they must be ordered seperately.



## MK 3 TILT ARMS

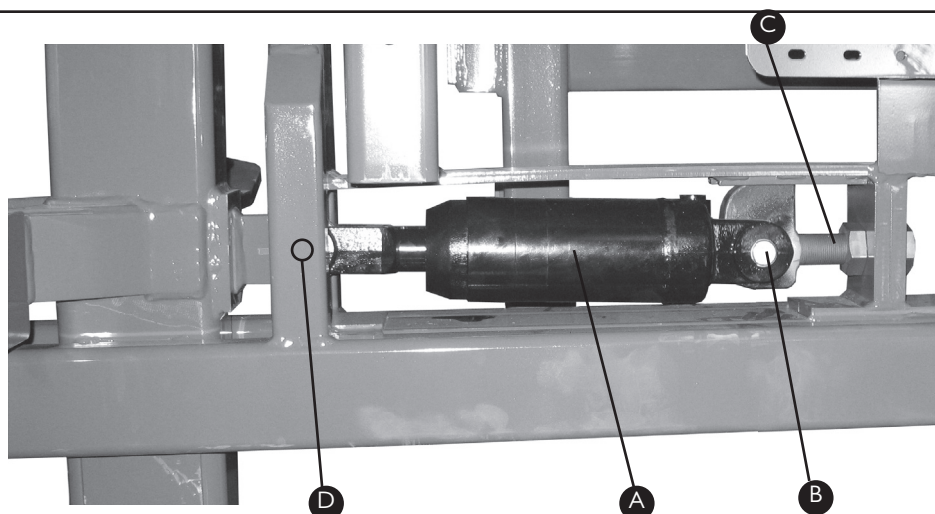


Item	Part No	Description	Quantity
A	GA4653220	Right Tilt Arm (MK3)	1
	GA4653225	Left Tilt Arm (MK3)	1
B-1	L018A	Pivot Pin	1
B-2	GA5020120	M12 x 30mm Cap Screw	1

Item	Part No	Description	Quantity
B-3	GA5000577	12mm Washer	1
B-4	F70111A	Large Washer	1
B-5	GA5009475	Glacier Bush	1
C	L017A	Long Shocker Bolts	2



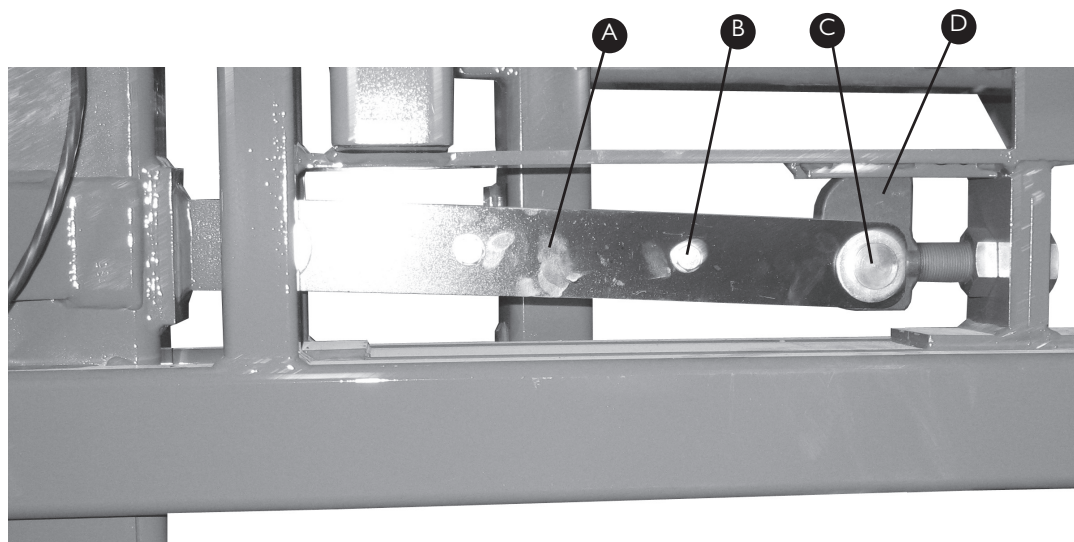
## MK 3 HYDRAULIC TILT



Item	Part No	Description	Quantity
A	GA5018551	Tilt Cylinder 3.5"	2
B	GA4572040	Pin 1" x 84mm	4
C-1	GA4653330	Tilt Adjuster	2

Item	Part No	Description	Quantity
C-2	GA5010973	1 1/4" UNF Lock Nut	4
D-1	L001A	Pin 1" x 98mm	2
D-2	GA5001223	Circlip, E-Type 19mm	2

## MK 3 TILT REPLACEMENT LINKS\*

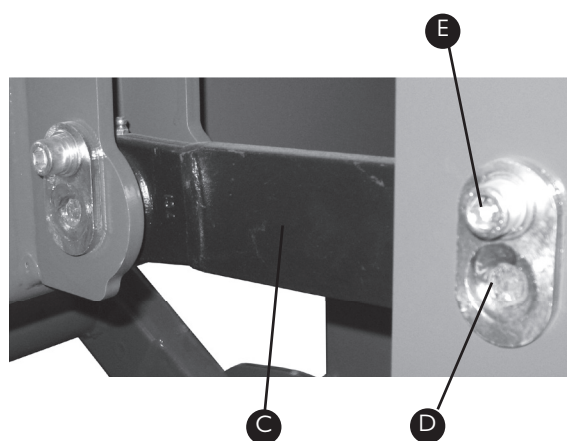
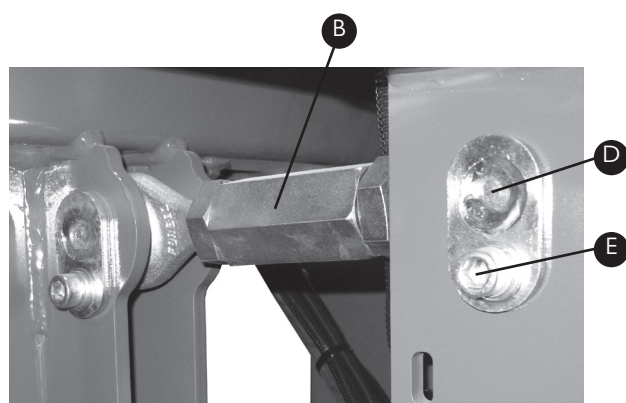
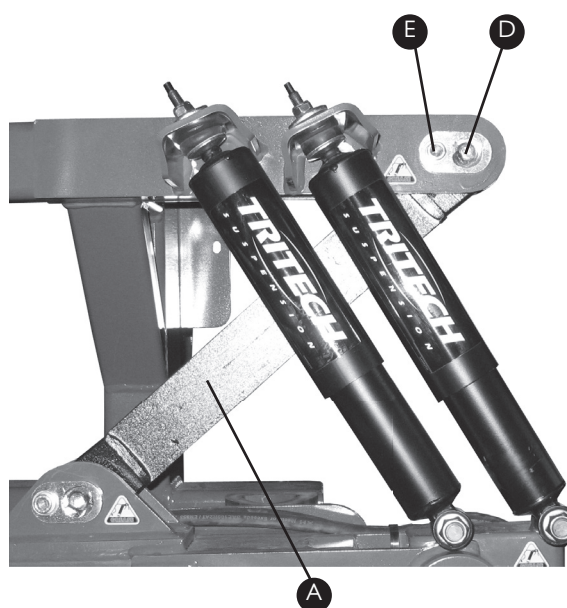
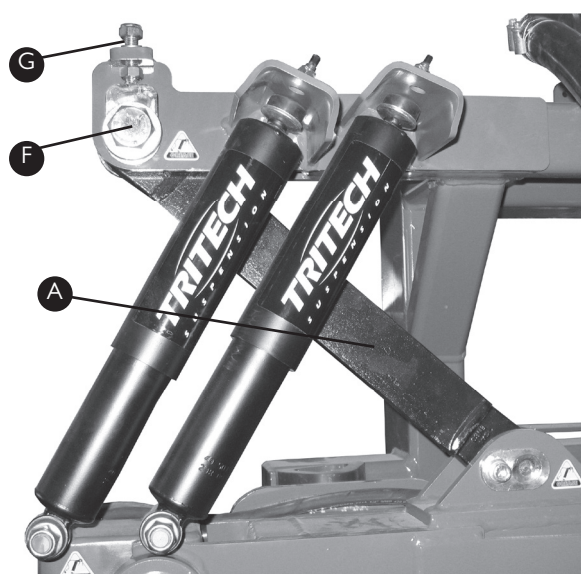


Item	Part No	Description	Quantity
A	24MK3CS010LAS	Tilt Replacement Link	4
B-1	GA5000347	M12 x 70mm Bolt	4
B-2	GA5012461	M12 Nyloc Nut	4
B-3	24MK3CS011M	Crush Tube	4
B-4	GA5000577	12mm Washer	8

Item	Part No	Description	Quantity
C-1	L054A	Tilt Ram Pin	4
C-2	GA5001223	19mm E-Type Circlips	4
D-1	GA4653330	Tilt Adjuster	2
D-2	GA5010973	1 1/4" UNF Lock Nut	4

\* Used on sprayer without Hydraulic Tilt

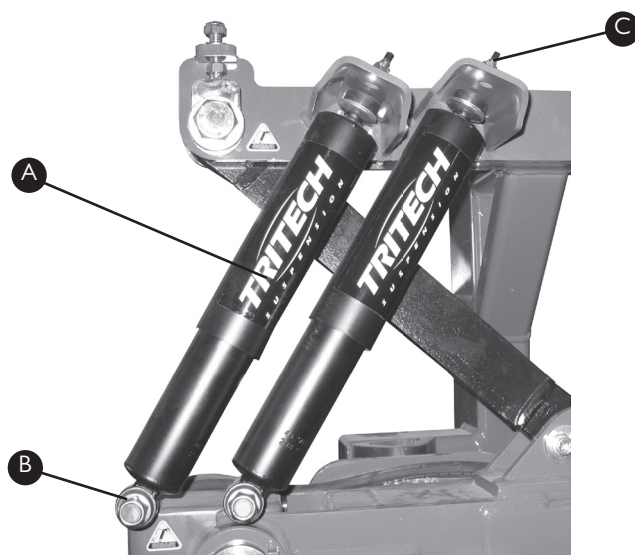
## DELTA LINKS



Item	Part No	Description	Quantity
A	GA4656240	Long Delta Link	2
B-1	GA5075085	STD - Adjustable Delta Link I	
B-2	DELTA-LINKSA	HD - Adjustable Delta Link I	1
C-1	GA4656245	STD - Short Delta Link	1
C-2	GA5067855	HD - Short Delta Link	1
D	Pin-I-87	Delta Link Pin	7
E-1	GA5000299	M12 x 25mm	7
E-2	GA5000577	12mm Washer	7

Item	Part No	Description	Quantity
E-3	GA5000575	12mm Spring Washer	7
F-1	GA4683145	1" x 6" UNC Bolt	1
F-2	GA5012439	1" UNC Nyloc Nut	1
F-3	GA5017659	1" Washer	4
G-1	GA4656260	Adjuster	2
G-2	GA5012461	M12 Nyloc Nut	2
G-3	GA5000559	M12 Nut	2

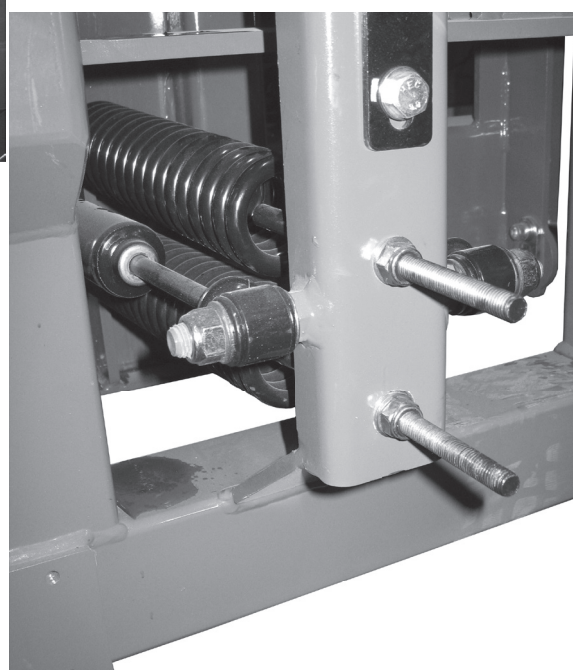
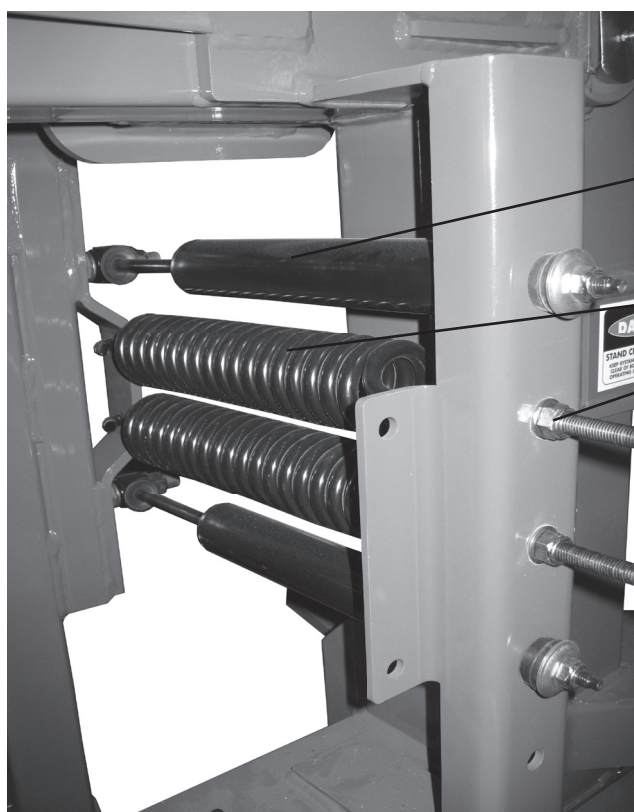
## CENTRE SECTION DAMPERS



Item	Part No	Description	Quantity
A	GA5015143	Shock Absorber	4
B-1	GA5001029	M16 Nyloc Nut	4

Item	Part No	Description	Quantity
B-2	GA5001043	16mm Washer	4
C	GA5004917	M8 Nyloc Nut	4

## YAW DAMPERS AND SPRINGS



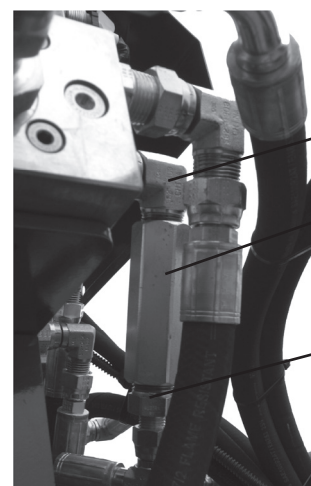
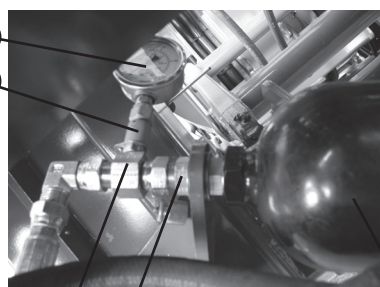
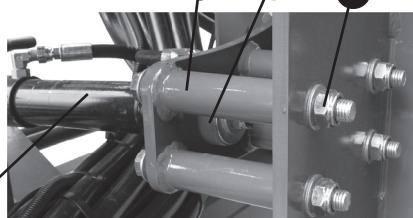
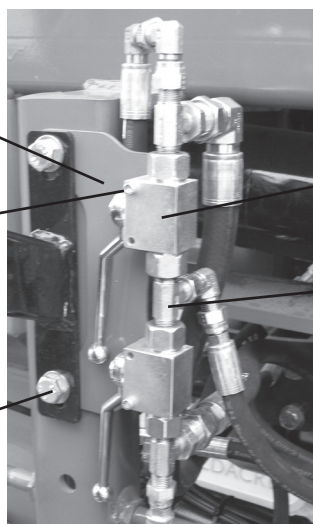
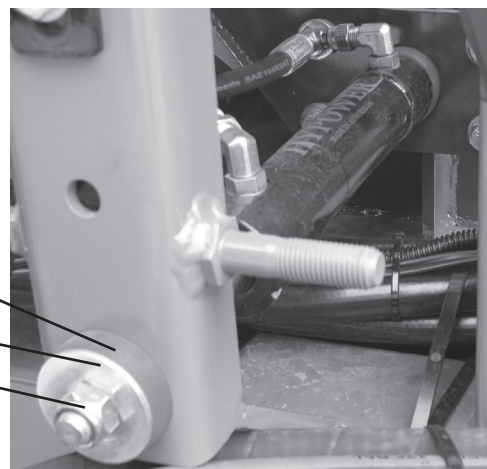
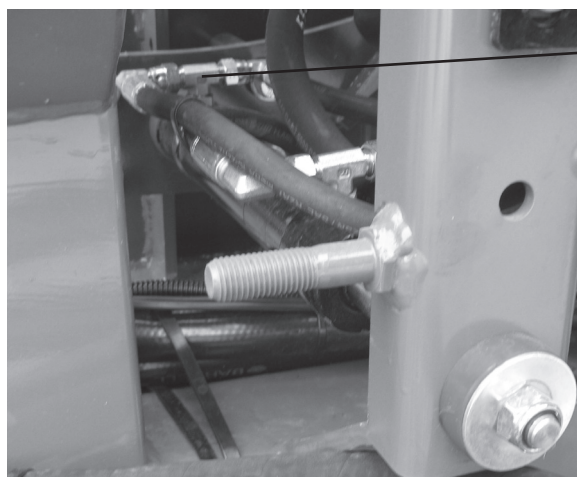
Item	Part No	Description	Quantity
A	GA5010793	Yaw Spring	4
B	GA5015899	Yaw Shock Absorber	4
C-1	GA5008545	M12 Eye Bolt	4

Item	Part No	Description	Quantity
C-2	GA5012461	M12 Nyloc Nut	4
C-3	GA5000577	12mm Washer	4

Note: Springs and Shock Absorbers are the same between MK2 and MK3 Centre Sections, but are arranged differently.



# HYDRAULIC YAW



Item	Part No	Description	Quantity
A	GA4653361	Right Bracket	1
	GA4653366	Left Bracket	1
B-1	GA5060815	Hydraulic Cylinder	2
B-2	GA5052750	Seal kit	2
C	GA3500223	Nipple	2
D	GA3500198	Inline Test Point	2
E	GA3500357	Hydraulic Tee at Cylinder	2
F	GA5007788	Hydraulic Accumulator	2
G	GA4572190	17mm Thick Bush	4
H	GA4572195	15mm Thick Bush	4
I	GA4535345	Washer	6
J	GA5012427	M14 Nyloc Nut	4
K-1	GA5049795	M14 x 160mm Bolt	8
K-2	GA5012427	M14 Nyloc Nut	8
K-3	GA5066235	14mm Washer	16

Item	Part No	Description	Quantity
L	GA5078083	1/4" Ball Valve	2
M	GA3500269	1/4" Tee	3
N	GA3500203	1/2" x 1/4" Reducing Bush	2
O	GA4522470	Ball Valve Mounting Plate	1
P-1	GA5000299	M12 x 25mm Bolt	2
P-2	GA5012461	M12 Nyloc Nut	2
P-3	GA5000577	12mm Washer	4
Q-1	GA5049800	M4 x 40mm Cap Screw	2
Q-2	GA5003501	M4 Nyloc Nut	2
Q-3	GA5011361	4mm Washer	4
R	GA5078076	Pressure Gauge	2
S	GA5077350	Gauge Coupling	2
T	GA3500323	1/2" Hydraulic Tee	1
U	GA5007060	1/2" Check Valve	1
V	GA3500308	1/2" x 1/4" Nipple	1



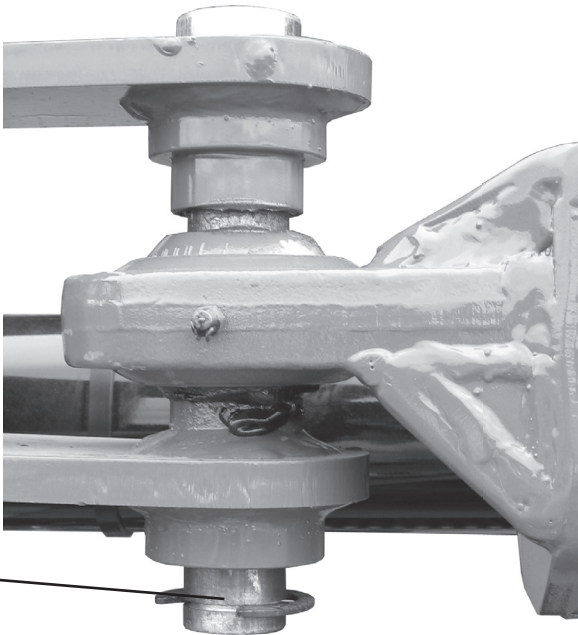
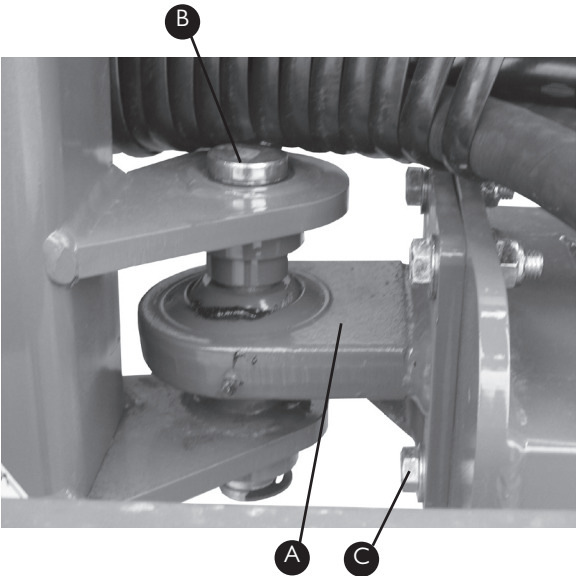
## OVERSIZE SIGN AND BRACKETS



Item	Part No	Description	Quantity
A	GA5009613	Oversize Sign	1
B	GA4657125	Sign Bracket	2
C	GA5000311	M12 x 35mm Bolt	4
C-2	GA5012461	M12 Nyloc Nut	4

Item	Part No	Description	Quantity
C-3	GA5000577	12mm Washer	8
D-1	GA5004711	M8 x 25mm Bolt	4
D-2	GA5004917	M8 Nyloc Nut	4
D-3	GA5003643	8mm Washer	8

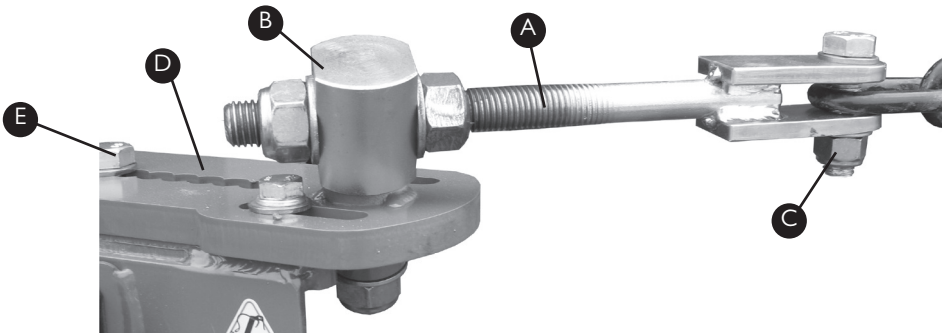
BOOM PIVOT PINS



Item	Part No	Description	Quantity
A	GA4656200	Bolt On Rose End (Right)	1
	GA4656201	Bolt On Rose End (Left)	1
B-1	L003A	Lower Pivot Pin	1
B-2	GA5001223	19mm E-Type Circlip	1
C-1	GA5000327	M12 x 45mm Bolt	4

Item	Part No	Description	Quantity
C-2	GA5012461	M12 Nyloc Nut	4
C-3	GA5000577	12mm Washer	8
D-1	L003A	Upper Pivot Pin	1
D-2	GA5001223	19mm E-Type Clip	1

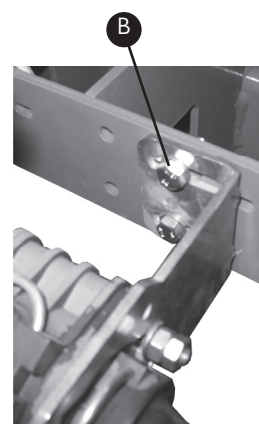
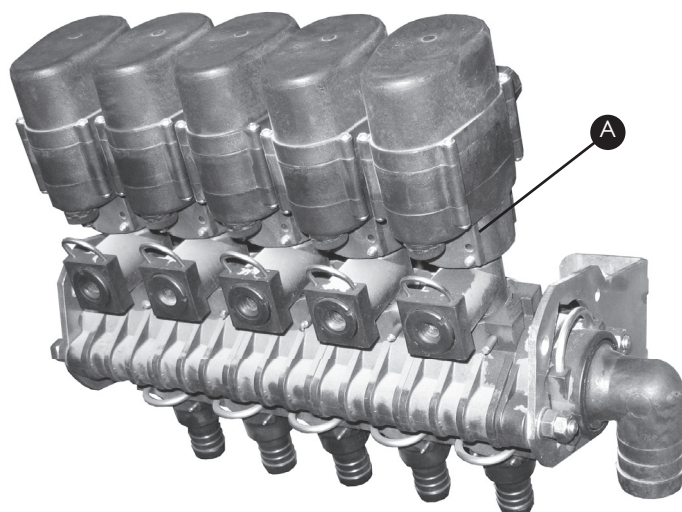
BOOM CABLE ADJUSTERS



Item	Part No	Description	Quantity
A-1	GA5020320	Threaded Adjuster	1
A-2	GA5048125	M20 Nyloc Nut	1
A-3	GA5001709	M20 Nut	1
A-4	GA5001741	20mm Washer	2
B-1	L006A	Adjuster Pivot	1
B-2	GA5048125	M20 Nyloc Nut	1
B-3	GA5001741	20mm Washer	1
C-1	GA5000931	M16 x 50mm Bolt	1

Item	Part No	Description	Quantity
C-2	GA5001029	M16 Nyloc Nut	1
C-3	GA5001043	16mm Washer	2
D	GA4656250	Adjuster Plate (Right)	1
	GA4656255	Adjuster Plate (Left)	1
E-1	GA5000329	M12 x 60mm Bolt	3
E-2	GA5012461	M12 Nyloc Nut	3
E-3	GA5000577	12mm Washer	6

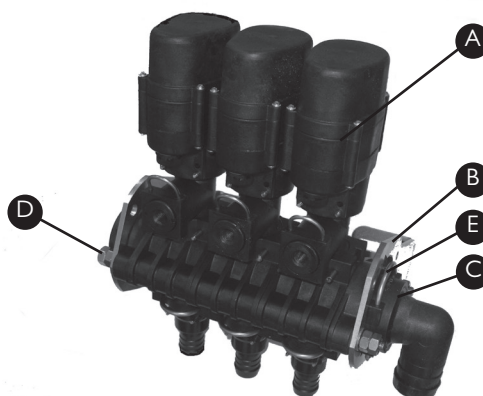
## BOOM VALVES



Item	Part No	Description	Quantity
A	GA5065740	3 Section Boom Valves	1
	GA5065741	4 Section Boom Valves	1
	GA5065704	5 Section Boom Valves	1
	GA5065705	6 Section Boom Valves	1
	GA5065706	7 Section Boom Valves	1
	GA5065710	8 Section Boom Valves	1

Item	Part No	Description	Quantity
B-1	GA5004711	M8 x 25mm Bolt	4
B-2	GA5004917	M8 Nyloc Nut	4
B-3	GA5003643	8mm Washer	8

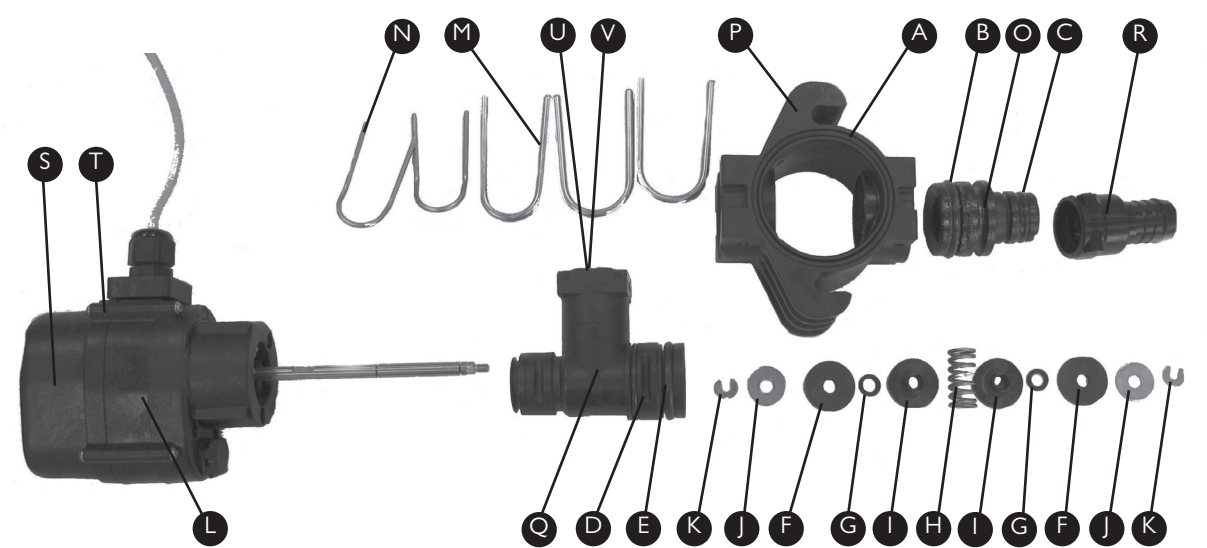
## BOOM VALVE COMPONENTS



Item	Part No	Description	Quantity
A	GA5065510	Section Valve with Pressure Relief	1
	GA5065515	Section Valve	1
B	GA5065800	Boom Valve Bracket	2
C	GA5065810	Boom Valve End Cap	2
D	GA5065805	3 Section Connecting Rod	2

Item	Part No	Description	Quantity
	GA4562055	4 Section Connecting Rod	2
	GA4562125	5 Section Connecting Rod	2
	GA4562050	6 Section Connecting Rod	2
	GA4562045	7 Section Connecting Rod	2
	GA4562040	8 Section Connecting Rod	2
E	GA5065690	Safety Pin AS40	2

# SECTION VALVE COMPONENTS

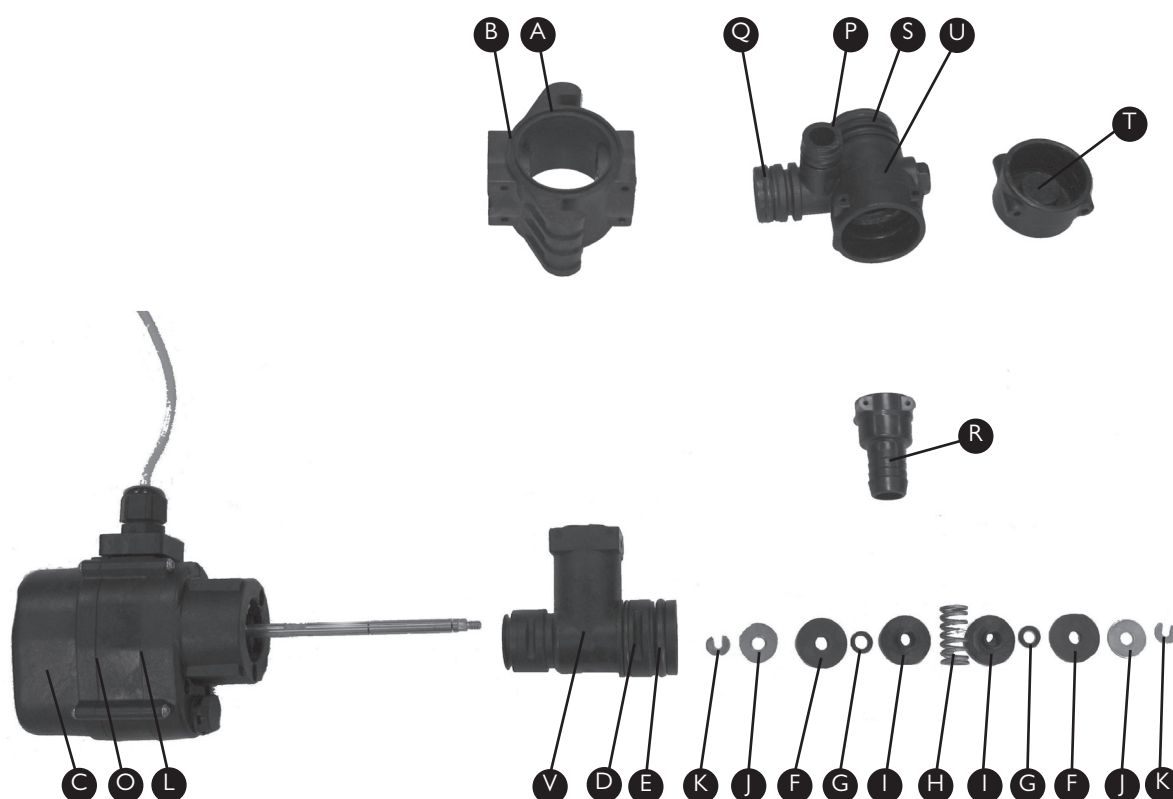


Assembly Part No GA5065515

Item	Part No	Description	Quantity
A	GA5012507	O-ring, 55.25 x 2.62	1
B	GA5065830	O-ring 25 x 4 fpm 75	1
C	GA5001067	O-ring 17 x 2.6 fpm 75	1
D	GA5053510	O-ring 25 x 2.5 fpm 75	1
E	GA5065830	O-ring 24.3 x 4.2 fpm 75	1
F	GA5054645	Disc Seal fpm 90	2
G	GA5025250	O-ring 4.34 x 3.53 fpm 75	2
H	GA2000265	Spring	1
I	GA2000264	Disc	2
J	GA5054640	Washer	2
K	GA5054650	C-Clip	2
L	GA2000266	Valve Body	1

Item	Part No	Description	Quantity
M	GA5065690	Safety Pin AS40	3
N	GA5065695	Safety Pin AS24	2
O	GA5065605	Hose Tail	1
P	GA5065825	Manifold Body	1
Q	GA2000267	Valve Body	1
R	GA5065640	Female Barb Straight	1
	GA5065675	Female Barb 90 degree	1
S	81350	Valve Cap	1
T	81300	Valve Cap O-ring	1
U	GA2000269	Plug	1
V	GA5065840	O-ring 18 x 2.5 fpm 75	1

## SECTION VALVE WITH PRESSURE RELIEF



Assembly Part No GA5065515

Item	Part No	Description	Quantity
A	GA5012507	O-ring	1
B	GA5065825	Manifold	1
C	81350	Valve Cap	1
D	GA5053510	O-ring 25 x 4 fpm 75	1
E	GA5065830	O-ring 25 x 4 fpm 75	1
F	GA5054645	Disc Seal fpm 90	2
G	GA5025250	O-ring 4.34 x 3.53 fpm 75	2
H	GA2000265	Spring	1
I	GA2000264	Disc	2
J	GA5054640	Washer	2
K	GA5054650	C-Clip	2
L	GA2000266	Valve Body	1

Item	Part No	Description	Quantity
M	GA5065690	Safety Pin AS40	3
N	GA5065695	Safety Pin AS24	2
O	81300	Cap O-ring	1
P	37628	O-ring 18 x 2.5 fpm 75	1
Q	02633	O-ring 25 x 4 fpm 75	1
R	GA5065640	Female Hose Tail	1
S	05243	O-ring 35 x 4 fpm 75	1
T		Cap	1
U		Fitting	1
V		Tee	1
W	80376	Plug	1
X	37621	O-ring 18 x 2.5 fpm 75	1





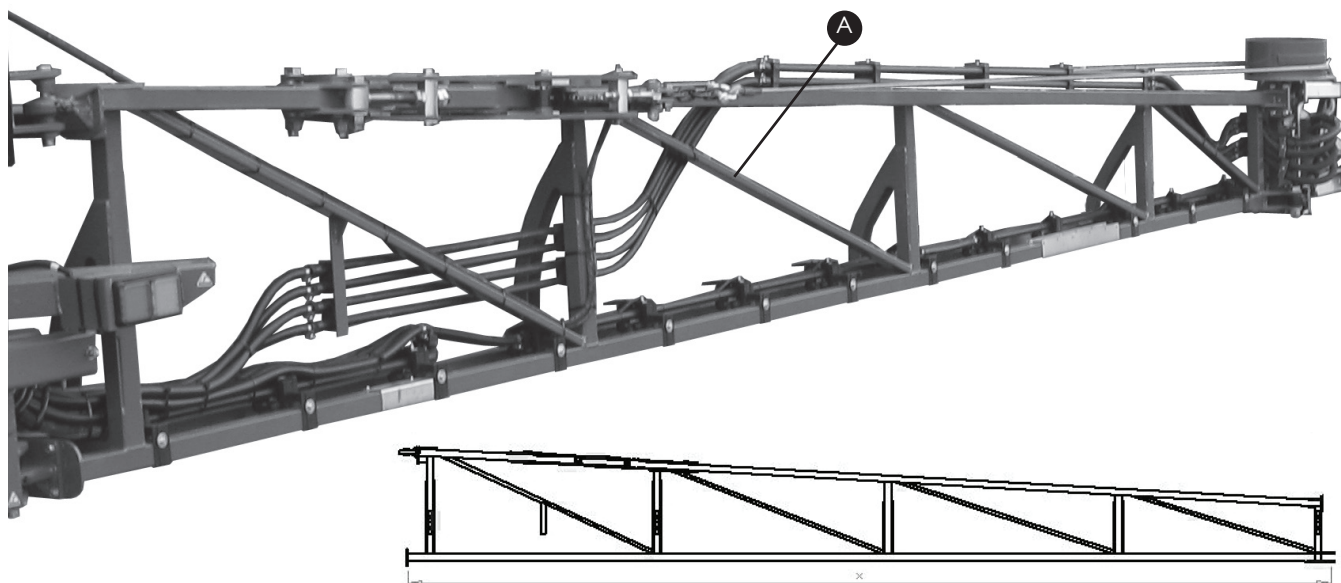
# CHAPTER 14

## BOOM WINGS



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## TRITECH INNER BOOM SECTIONS



Item	Part No	Description	Quantity
A	GA4655670	24m Inner Boom	
		(RH-4975mm long*)	1
	GA4655675	24m Inner Boom	
		(LH-4975mm long*)	1
	GA4655680	24m Inner Boom	
		(RH-4725mm long*)	1
	GA4655685	24m Inner Boom	
		(LH-4725mm long*)	1
	GA4655660	24m Inner Boom	
		(RH-5475mm long*)	1
	GA4655665	24m Inner Boom	
		(LH-5475mm long*)	1
	GA4655650	24m Inner Boom	
		(RH-5240mm long*)	1
	GA4655655	24m Inner Boom	
		(LH-5240mm long*)	1
	GA4655720	28-30m Inner Boom	
		(RH-6485mm long*)	1
	GA4655725	28-30m Inner Boom	
		(LH-6485mm long*)	1
	GA4655730	28-30m Inner Boom	
		(RH-6235mm long*)	1

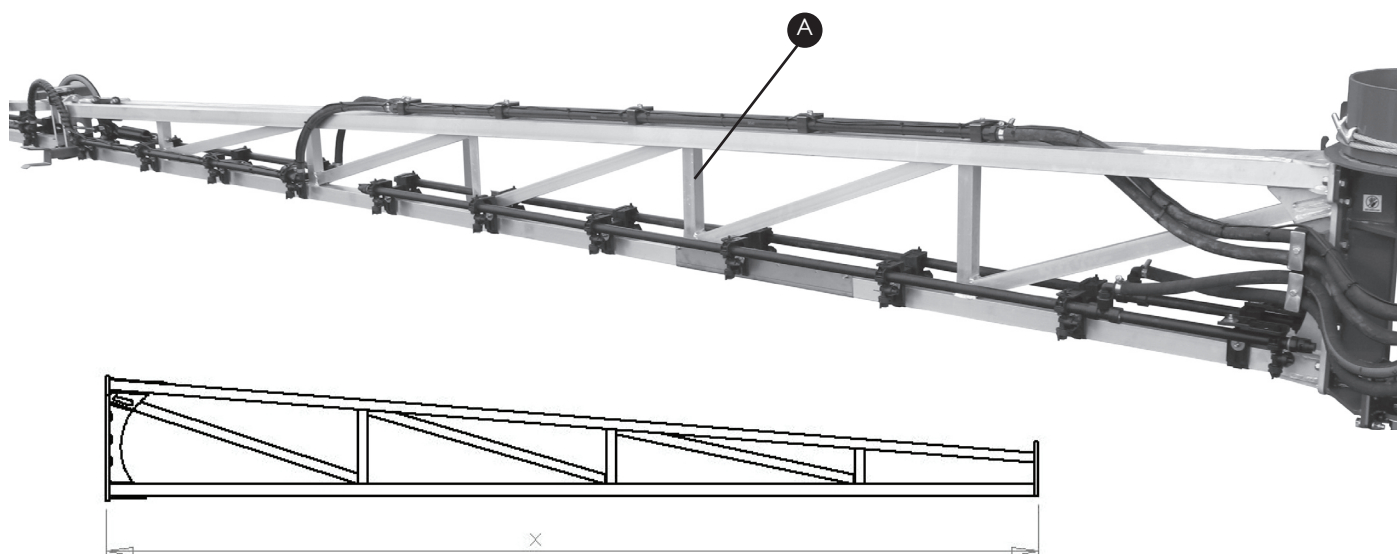
Item	Part No	Description	Quantity
	GA4655735	28-30m Inner Boom	
		(LH-6235mm long*)	1
	GA4655700	28m-30m Inner Boom	
		(RH-6750mm long*)	1
	GA4655705	28-30m Inner Boom	
		(LH-6750mm long*)	1
	GA4655710	28-30m Inner Boom	
		(RH-6985mm long*)	1
	GA4655715	28-30m Inner Boom	
		(LH-6985mm long*)	1
	GA4655750	33m Inner Boom	
		(RH-7205mm long*)	1
	GA4655755	33m Inner Boom	
		(LH-7205mm long*)	1
	GA4655760	36m Inner Boom	
		(RH-7710mm long*)	1
	GA4655765	36m Inner Boom	
		(LH-7710mm long*)	1

\* Length of boom taken from edge of bottom inside flange to centre of bottom pin at cable drum as shown in drawing

Note: Bi-Fold or Non Bi-Fold type needs to be specified when ordering

Also please note that since Mid 2009 that 28m Inner Booms have been fitted to 24m Booms, as standard, to avoid folding problems unless otherwise specified.

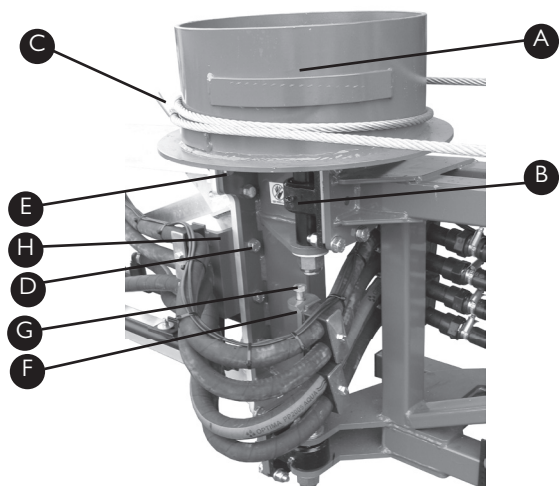
## TRITECH OUTER BOOM SECTIONS



Item	Part No	Description	Quantity
A	GA4656051	24m Outer Boom Section	
		(3749mm long*)	1
	GA4656054	24m Outer Boom Section	
		for 28m Boom Inners	
		(2239mm long*)	1
	GA4656061	28m Outer Boom Section	
		(4264mm long*)	1
	GA4656066	30m Outer Boom Section	
		(5265mm long*)	1
	GA4656071	33m Outer Boom Section	
		(5764mm long*)	1
	GA4656076	36m Outer Boom Section	
		(6805mm long*)	1

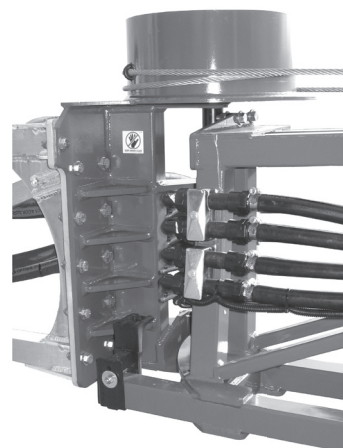
\* Length of boom taken from inside flange to outside flange as shown in drawing

## DRUM HINGE



Standard Drum Hinge

Item	Part No	Description	Quantity
A	GA4656180	Right Cable Drum	1
	GA4656185	Left Cable Drum	1
	GA4656210	Bi-Fold Right Cable Drum	1
	GA4656215	Bi-Fold Left Cable Drum	1
	GA4656181	Right Offset Cable Drum	1
	GA4656186	Left Offset Cable Drum	1
	GA4656211	Bi-Fold Right Offset Drum	1
	GA4656216	Bi-Fold Left Offset Drum	1
	GA4504530	Boom Drum Weight	1
B	GA4932340	Pivot Assembly	1
	GA4932348	Pivot Assembly Bi-fold	1
	GA4932341	Offset Pivot Assembly	1
	GA4932349	Offset Pivot Assy. Bi-fold	1

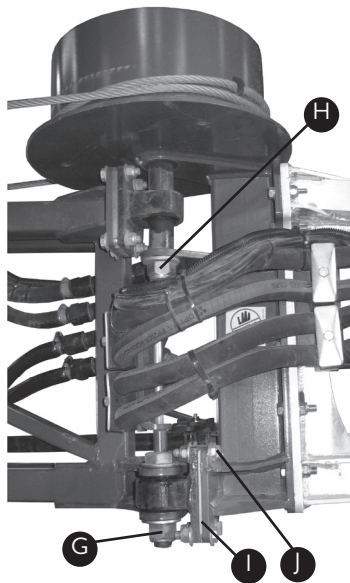
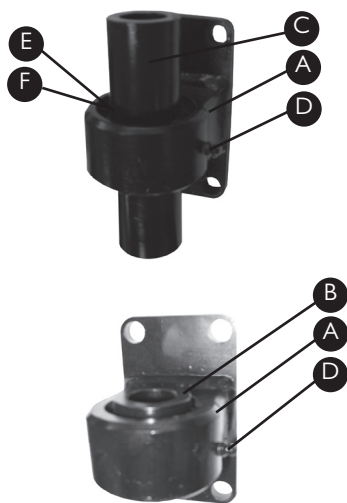


Offset Drum Hinge

Item	Part No	Description	Quantity
C-1	FG0010	M10 x 30 x 40 U Bolt	3
C-2	GA5000141	M10 Nyloc Nut	6
C-3	F70266A	Washer Plate	3
D-1	GA5000319	M12 x 40mm Bolt	10
D-2	GA5012461	M12 Nyloc Nut	10
D-3	GA5000577	12mm Washer	20
E-1	GA5011287	M16 x 40mm Bolt	2
E-2	GA5001029	M16 Nyloc Nut	2
E-3	GA5001043	16mm Washer	4
F	GA4656225	Pivot Hose Holder	1
G-1	GA5000301	M12 x 250mm Bolt	1
G-2	24MK3CS01 IMACH	Spacer	1
H	GA4522725	Hose Holder	1



TRITECH CABLE DRUM PIVOT ASSEMBLY



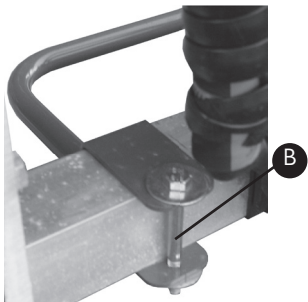
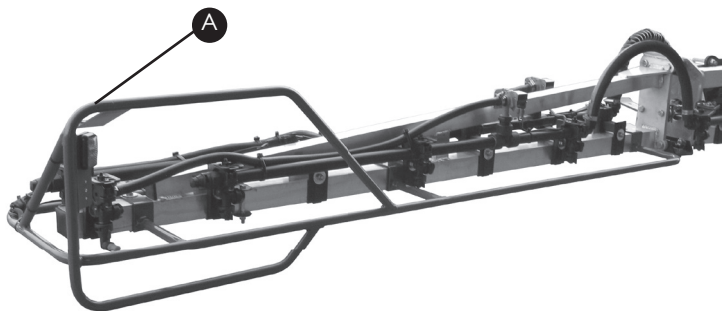
Assembly Part No: GA4932380

Item	Part No	Description	Quantity
A	GA4656190	Hinge Bearing Mount	2
B	DB-ADJ-02	Short Bush	2
C	DB-ADJ-13	Long Bush	2
D	GA5009639	1/4" Grease Nipple	2
E	GA5015659	Spherical Bush	2
F	GA5010573	Internal Circlip (60mm)	2
G-1	MACH0110	1" x 4 1/2" UNF Bolt	1
G-2	GA5012445	1" UNF Nyloc Nut	1

Item	Part No	Description	Quantity
G-3	GA5017659	1" Washer	2
H-1	GA5006151	1" x 8" UNF Bolt	1
H-2	GA5012445	1" UNF Nyloc Nut	1
H-3	GA5017659	1" Washer	1
I	DB-ADJ-16LAS	1mm Shim	10
J-1	GA5000327	M12 x 45mm Bolt	8
J-2	GA5012461	M12 Nyloc Nut	8
J-3	GA5000577	12mm Washer	16

Note: Upper and Lower pivot kits can be purchased separately.  
Upper pivot kit: GA4932342. Lower Pivot Kit: GA4932343.

BOOM END PROTECTORS

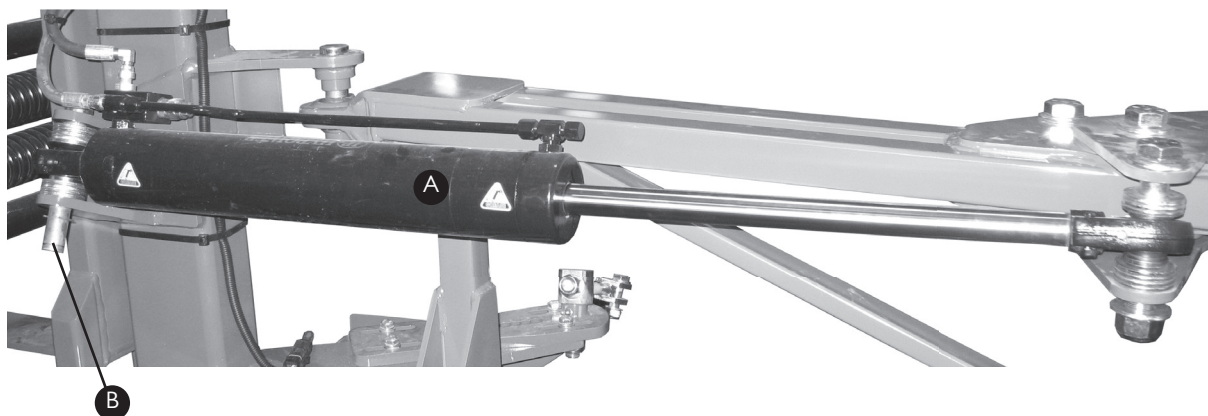


Item	Part No	Description	Quantity
A	GA4901385	Pair of Boom End Protector Bars (LH + RH)	1
	GA4656314	Right Boom End Protector Bar	1
	GA4656315	Left Boom End Protector Bar	1

Item	Part No	Description	Quantity
B-1	GA5052600	M8 x 75mm Bolt (S/S 304)	4
B-2	GA5004917	M8 Nyloc Nut	4
B-3	GA5002597	3/8" x 1 1/4" Washer	8

## BOOM FOLD CYLINDERS

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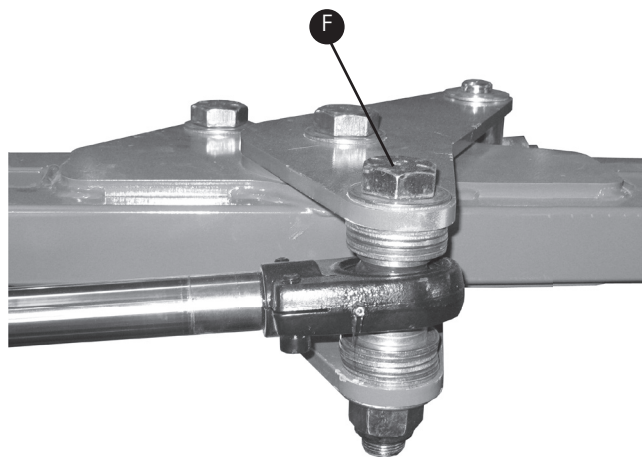
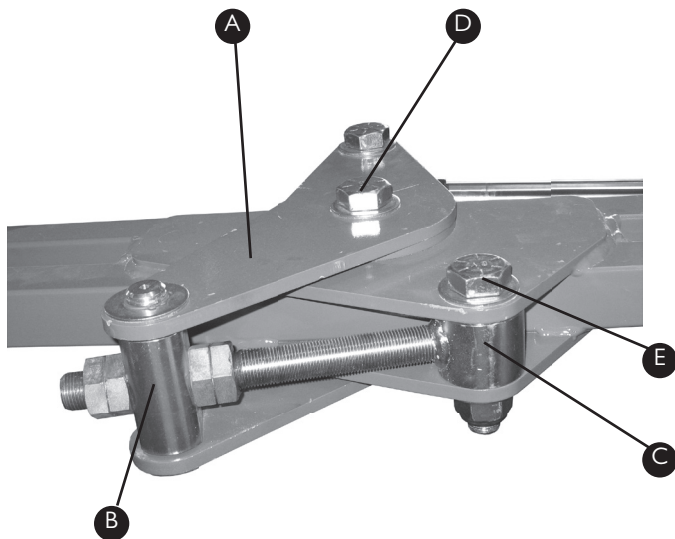


Item	Part No	Description	Quantity
A	GA5018538	Right Fold Cylinder	1
	GA5018542	Left Fold Cylinder	1
B-1	GA4572200*	Fold Cylinder Pin	1
B-2	GA5001223	E-Clip	1
B-3	GA5017659	1" Washer	7

\* Note: Pin has been updated from June 2009, replacing Part No L002A.

Replacement cylinder end bushes also available, small bush Part No GA5021925, large bush Part No GA5021930.

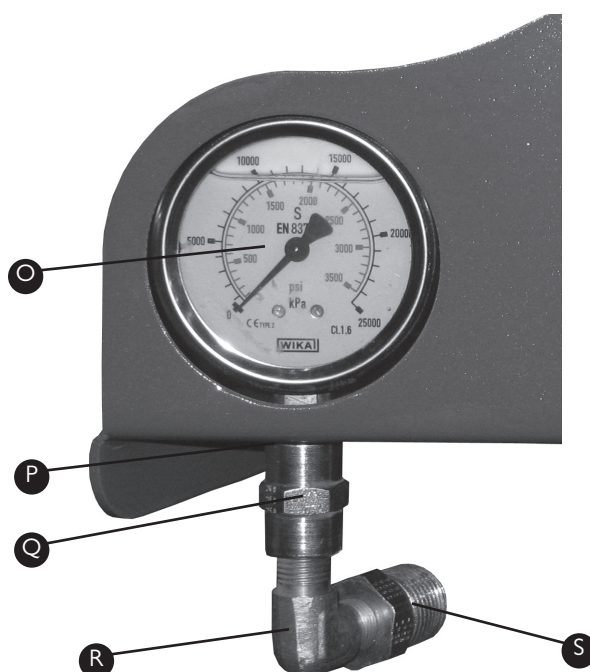
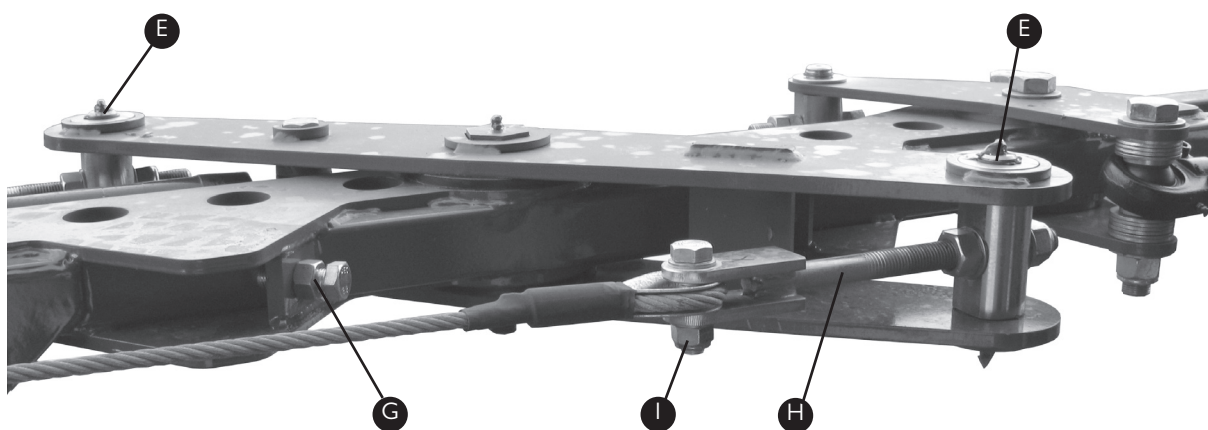
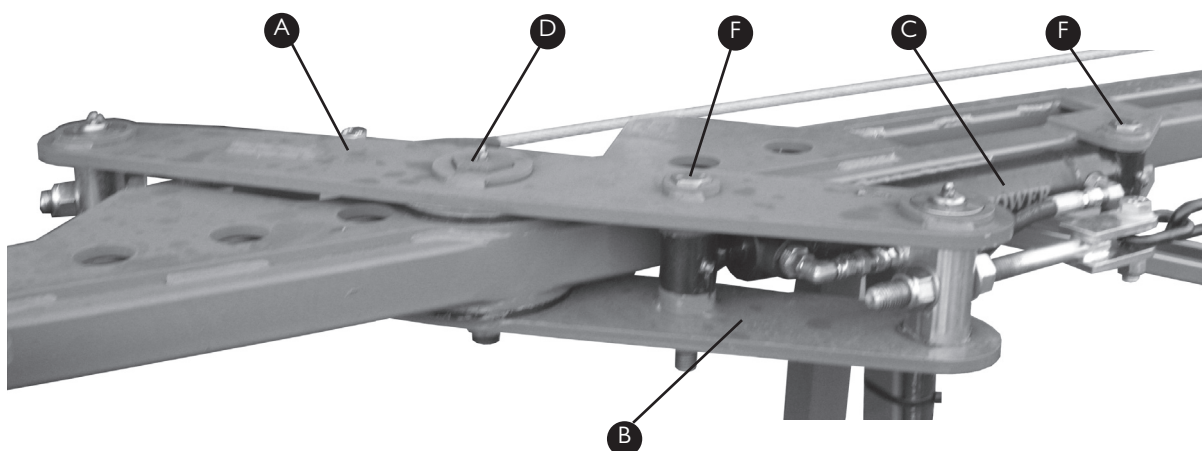
## BOOM FOLD CYLINDER CONNECTION



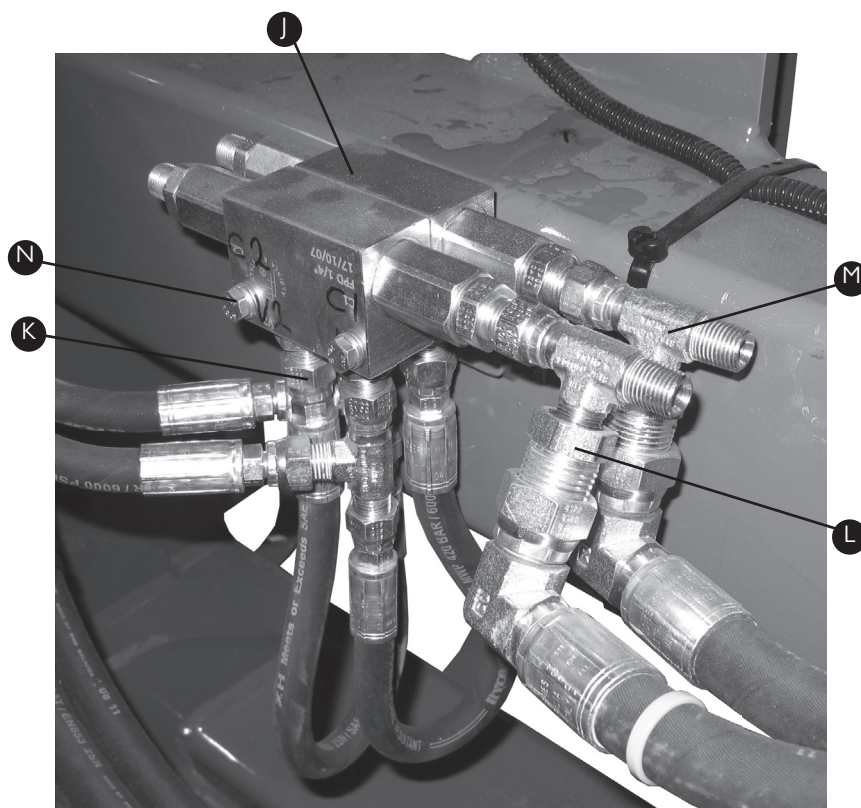
Item	Part No	Description	Quantity
A	24mk4DB005	Pivot Plate	2
B-1	24mk4DB006MACH	Adjuster Pivot	1
B-2	GA5008519	Circlip	2
B-3	GA5017659	1" Washer	2
C-1	FAB0201	Threaded Adjuster	1
C-2	GA5010991	1" Lock Nut 12TPI	4
D-1	GA5006043	1" x 6" UNF Bolt	1
D-2	GA5012445	1" Nyloc Nut	1

Item	Part No	Description	Quantity
D-3	GA5017659	1" Washer	2
E-1	GA5006039	1" x 4 1/2" Bolt	1
E-2	GA5012445	1" Nyloc Nut	1
E-3	GA5017659	1" Washer	2
F-1	GA5006043	1" x 6" UNF Bolt	1
F-2	GA5012445	1" Nyloc Nut	1
F-3	GA5017659	1" Washer	13

## BI-FOLD COMPONENTS



## BI-FOLD COMPONENTS

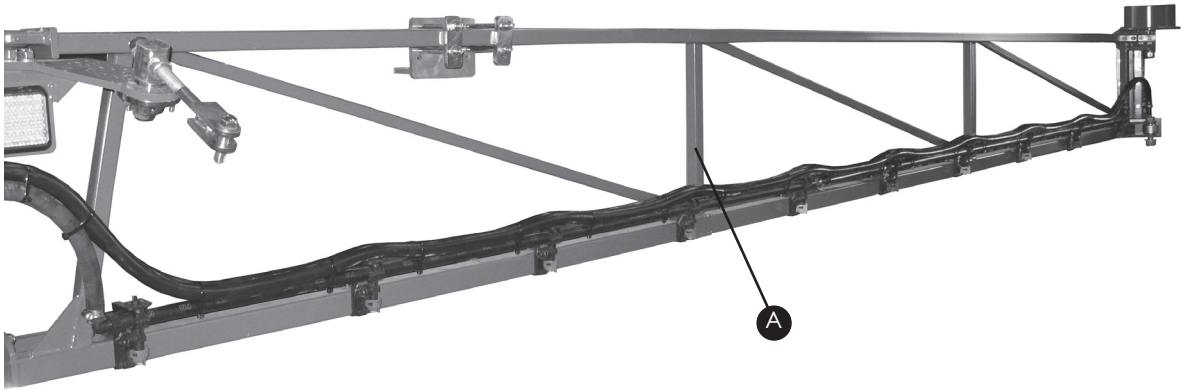


Item	Part No	Description	Quantity
A	GA4656290	Top Bi-Fold Plate	1
B	GA4656295	Bottom Bi-Fold Plate	1
C	GA5021010	Hydraulic Cylinder	1
D-1	2SF007MACH	Pivot Pin	1
D-2	GA5012469	M24 Nyloc Nut	1
D-3	2SF003LAS	Pivot Washer	1
D-4	MACH0102	Nylon Disc	2
D-5	GA5009467	Glacier Bush	2
D-6	GA5009639	1/4" Grease Nipple	1
E-1	24mk4DB006MACH	Adjuster Pivot	2
E-2	GA5009463	Glacier Bush	4
E-3	GA5008519	Circlip	4
E-4	GA5017659	1" Washer	4
E-5	GA5009639	1/4" Grease Nipple	4
F-1	GA5002487	3/4" x 5 1/2" Bolt	2
F-2	GA5048430	3/4" Nyloc Nut	2
F-3	GA5001045	3/4" Washer	2
G-1	GA5000931	M16 x 50mm	2
G-2	GA5012385	M16 Nut	2

Item	Part No	Description	Quantity
H-1	GA5020320	Cable Adjuster	2
H-2	GA5048125	M20 Nyloc Nut	2
H-3	GA5001709	M20 Nut	2
H-4	GA5001741	20mm Washer	4
I-1	GA5000941	M16 x 60mm Bolt	2
I-2	GA5001029	M16 Nyloc Nut	2
I-3	GA5001043	16mm Washer	4
J	GA5007957	Double Pilot Check Block	2
K	GA3500306	1/4" Nipple	4
L	GA3500203	Reducer Bush	2
M	GA3500199	1/4" Hydraulic Tee	4
N-1	GA5004107	M6 x 70mm Bolt	2
N-2	GA5004437	6mm Washer	2
N-3	GA5004447	6mm Spring Washer	2
O	GA5021455	3500 PSI Pressure Gauge	2
P	GA5000577	12mm Washer	2
Q	GA3500211	1/4" Hydraulic Socket	2
R	GA3500209	1/4" Hydraulic Elbow	2
S	GA3500203	1/2"-1/4" Reducing Bush	2



# DELTA INNER BOOM SECTIONS



Item	Part No	Description	Quantity
A	GA4655640	18-24m Inner Boom	
		Section (RH)	1
	GA4655645	18-24m Inner Boom	
		Section (LH)	1

## DELTA OUTER BOOM SECTIONS

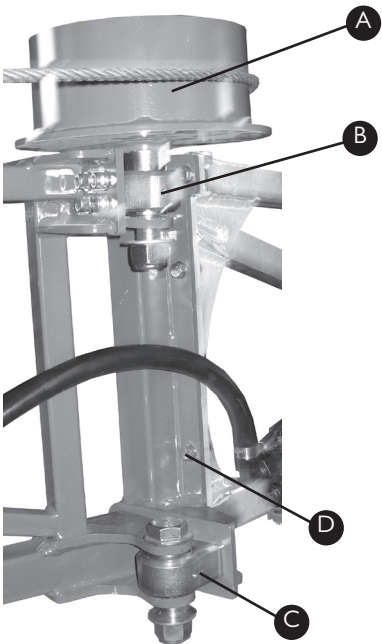
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Item	Part No	Description	Quantity
A	GA4655925	18m Outer Boom (steel)	1
	GA4655930	21m Outer Boom (steel)	1
	GA4655935	24m Outer Boom	
		(Aluminium)	1
	GA4656055	24m Outer Boom with	
		Breakaway (Aluminium)	1

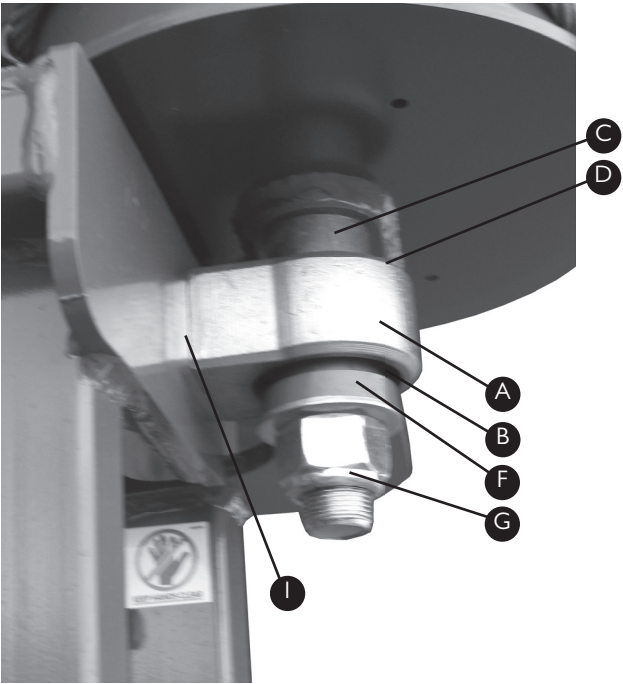
# DELTA DRUM HINGE

Item	Part No	Description	Quantity
A	GA4656170	Right Cable Drum	1
	GA4656175	Left Cable Drum	1
B	GA4932346	Upper Pivot Assembly	1
C	GA4932347	Lower Pivot Assembly	1
D-1	GA5015011	M10 x 35mm Bolt	8
D-2	GA5000141	M10 nyloc Nut	8
D-3	GA5000115	10mm Washer	16



# UPPER BEARING PIVOT ASSEMBLY

Assembly Part No GA4932346			
Item	Part No	Description	Quantity
A	MACH0123	Bearing Housing	1
B	GA5015659	Spherical Bush	2
C	MACH0119	Pivot Bush	1
D	GA5010573	Internal Circlip	1
E	GA5012203	1/4" Grease Nipple #	1
F	DB-ADJ-02	Pivot Bush	1
G-1	GA5006043	1" x 6" UNF Bolt	1
G-2	GA5012445	1" UNF Nyloc Nut	1
G-3	GA5017659	1" Washer	4
H-1	GA5020115	M10 x 30mm Cap Screw #	4
H-2	GA5000115	10mm Washer #	4
H-3	GA5000137	10mm Spring Washer #	4
I	F70771A	1mm Shim	*

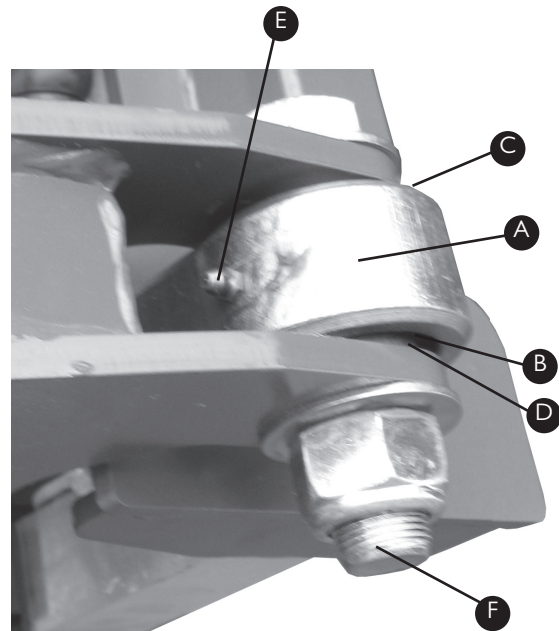


\* Quantity Varies  
# Not Shown

## LOWER BEARING PIVOT ASSEMBLY

Assembly Part No GA4932347

Item	Part No	Description	Quantity
A	MACH0123	Bearing Housing	1
B	GA5015659	Spherical Bush	2
C	GA5010573	Internal Circlip	1
D	DB-ADJ-02	Pivot Bush	2
E	GA5012203	1/4" Grease Nipple	1
F-1	GA5006041	1" x 5 1/2" UNF Bolt	1
F-2	GA5012445	1" UNF Nyloc Nut	1
F-3	GA5017659	1" Washer	4
G-1	GA5020115	M10 x 30mm Cap Screw #	4
G-2	GA5000115	10mm Washer #	4
G-3	GA5000137	10mm Spring Washer #	4
H	F70771A	1mm Shim #	*

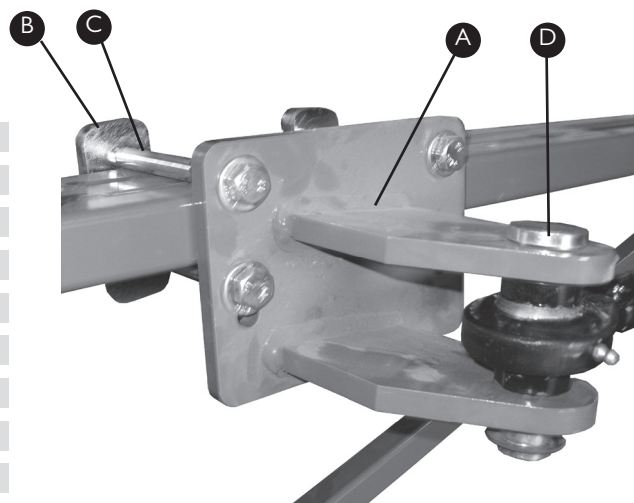


\* Quantity Varies

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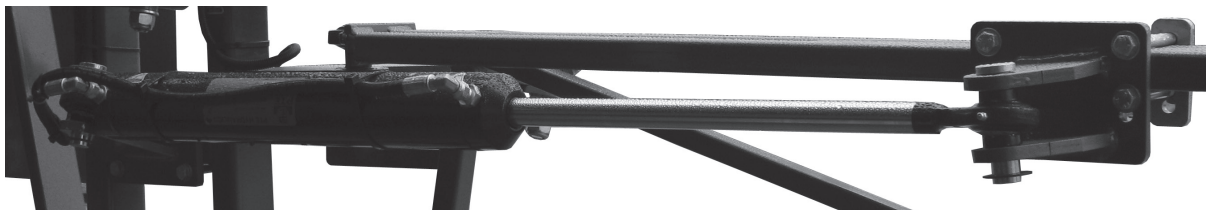
## DELTA FOLD CYLINDER CONNECTION

Item	Part No	Description	Quantity
A	GA4656505	Right Connection Clevis	1
	GA4656510	Left Connection Clevis	1
B	F70107A	Mounting Bolt Plate	2
C-1	GA5000275	M12 x 150mm Bolt	4
C-2	GA5012461	M12 Nyloc Nut	4
C-3	GA5000577	12mm Washer	8
D-1	L001A	Cylinder Pin	1
D-2	GA5001223	19mm E-Type Circlip	1



## DELTA BOOM FOLD CYLINDERS

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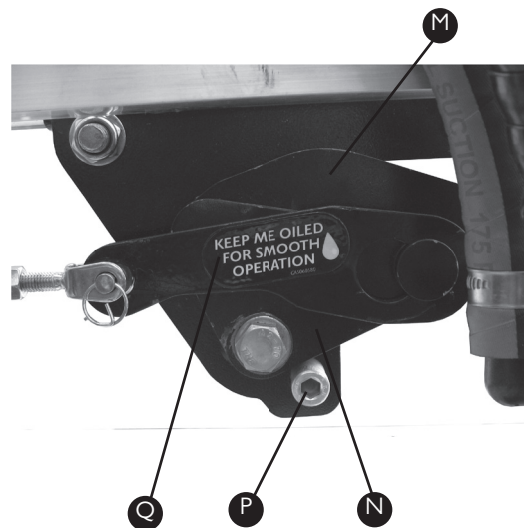
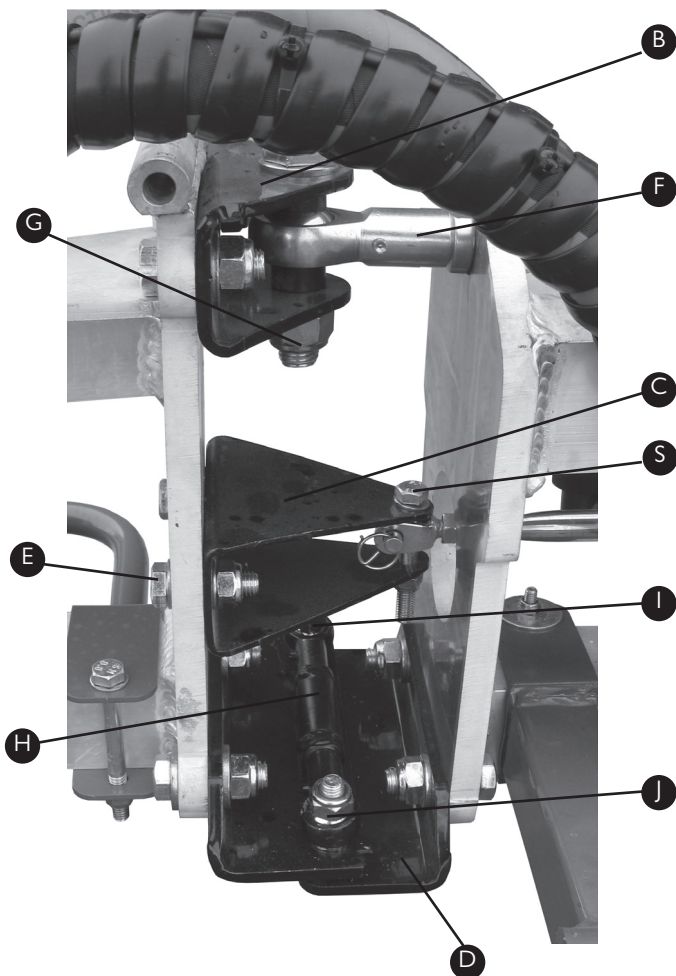
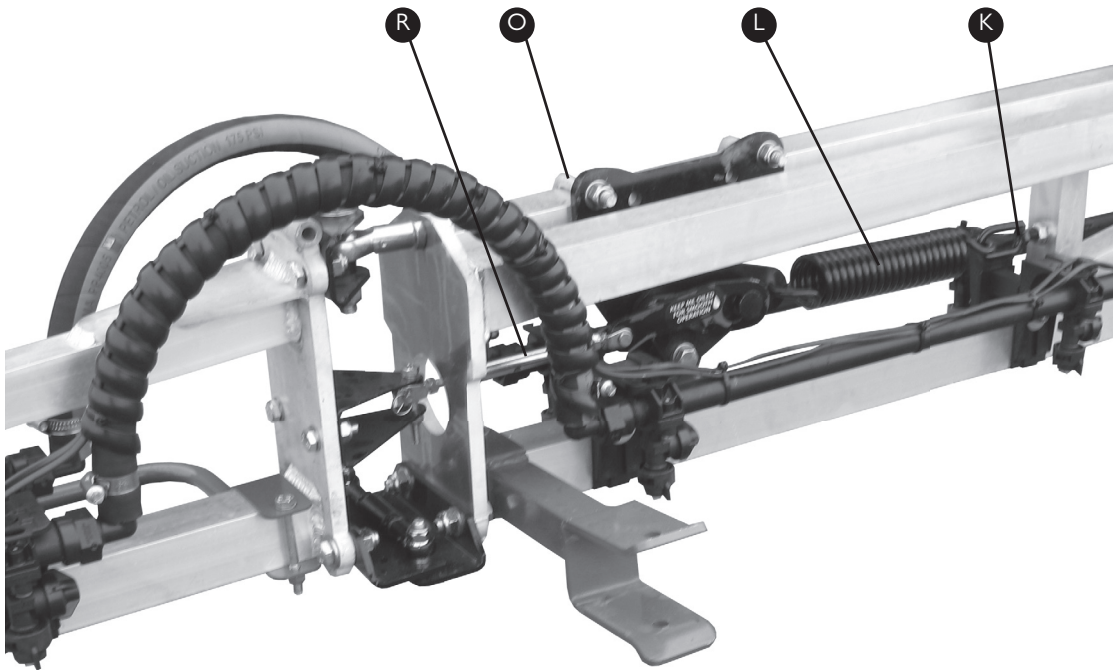


Item	Part No	Description	Quantity
A	GA5018555	Right Fold Cylinder	1
	GA5018557	Left Fold Cylinder	1
B-1	L001A	Fold Cylinder Pin	1
B-2	GA5001223	E-Clip	1

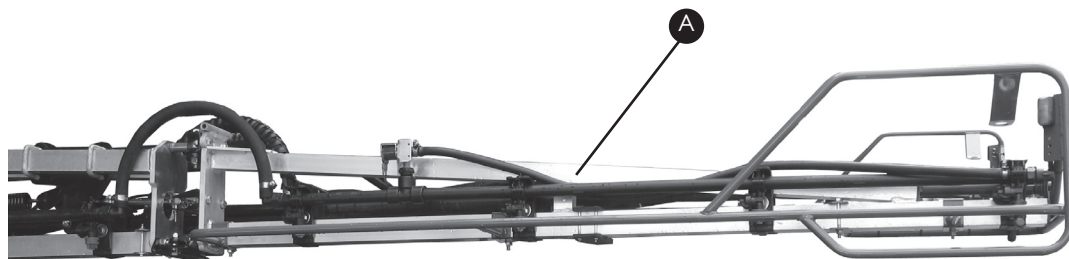


# BREAK AWAY MECHANISM

Suits both Tritech & Delta Booms



## BREAK AWAY MECHANISM

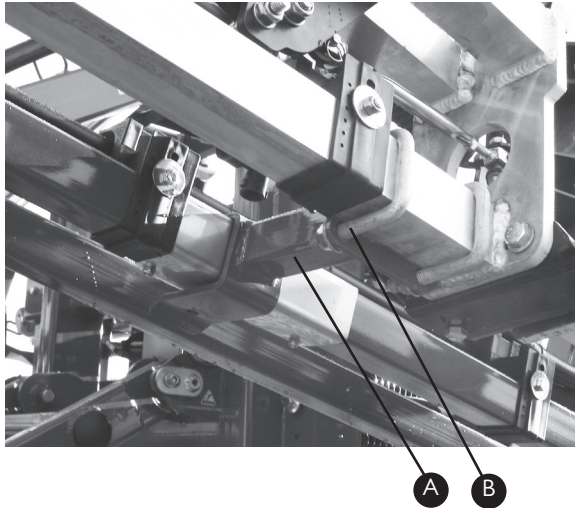


Assembly Part No GA4902060

Item	Part No	Description	Quantity
A	GA4656120	Aluminium Breakaway	1
B	GA4502095	Top Breakaway Bracket	1
C	GA4502100	Middle Breakaway Bracket	1
D	GA4502105	Bottom Breakaway Bracket	2
E-1	GA5011231	M12 x 35mm Bolt	8
E-2	GA5012461	M12 Nyloc Nut	8
E-3	GA5000577	12mm Washer	16
F-1	GA5014469	16mm Female Rod End	1
F-2	GA5011287	M16 x 40mm Bolt	1
F-3	GA5001043	16mm Washer	1
F-4	GA5001051	16mm Spring Washer	1
G-1	GA5000949	M16 x 70mm Bolt	1
G-2	GA5001029	M16 Nyloc Nut	1
G-3	GA5001043	16mm Washer	2
G-4	GA4552070	Crush Tube	2
H	GA4902060-3	Rod End Link	1
I-1	GA5011183	M10 x 45mm Cap Screw	1
I-2	GA5000141	M10 Nyloc Nut	1
I-3	GA5000117	10mm Washer	2
I-4	GA4552080	Crush Tube	2
J-1	GA5011183	M10 x 45mm Cap Screw	1
J-2	GA5000141	M10 Nyloc Nut	1

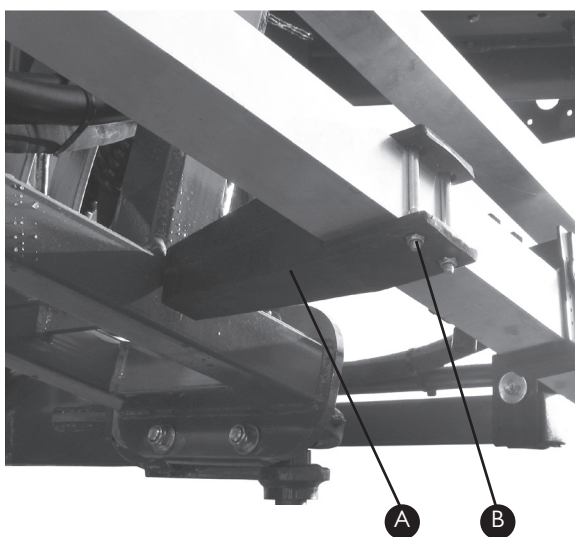
Item	Part No	Description	Quantity
J-3	GA5000117	10mm Washer	2
J-4	GA4552075	Crush Tube	1
K-1	GA5008545	M12 Eye Bolt	1
K-2	GA5012461	M12 Nyloc Nut	1
K-3	GA5000559	M12 Nut	1
K-4	GA5000577	12mm Washer	2
L	GA5016605	Tension Spring	1
M	GA4532565	Breakaway Spring Plate	1
N	GA4656115	Locking Mechanism	1
O-1	GA5011251	M12 x 52 x 80 U-Bolt	2
O-2	GA5012461	M12 Nyloc Nut	4
O-3	GA5000577	12mm Washer	4
P-1	GA5011183	M10 x 45mm Cap Screw	1
P-2	GA5000141	M10 Nyloc Nut	1
P-3	GA5000117	10mm Washer	1
P-4	GA4552075	Crush Tube	1
Q	GA4532590	Turnbuckle Plate	1
R	GA5066930	Turnbuckle	1
S-1	GA5011477	M8 x 30mm Bolt	1
S-2	GA5004917	M8 Nyloc Nut	1
S-3	GA5003643	8mm Washer	2

## BOOM FOLD SUPPORT BRACKET



Item	Part No	Description	Quantity
A	GA4656280	Boom Fold Bracket	1
	GA4656281	Delta Boom Bracket	1
B-1	GA5011251	M12x52mmx80mm U Bolt	2
B-2	GA5012461	M12 Nyloc Nut	4
B-3	GA5000577	12mm Washer	4

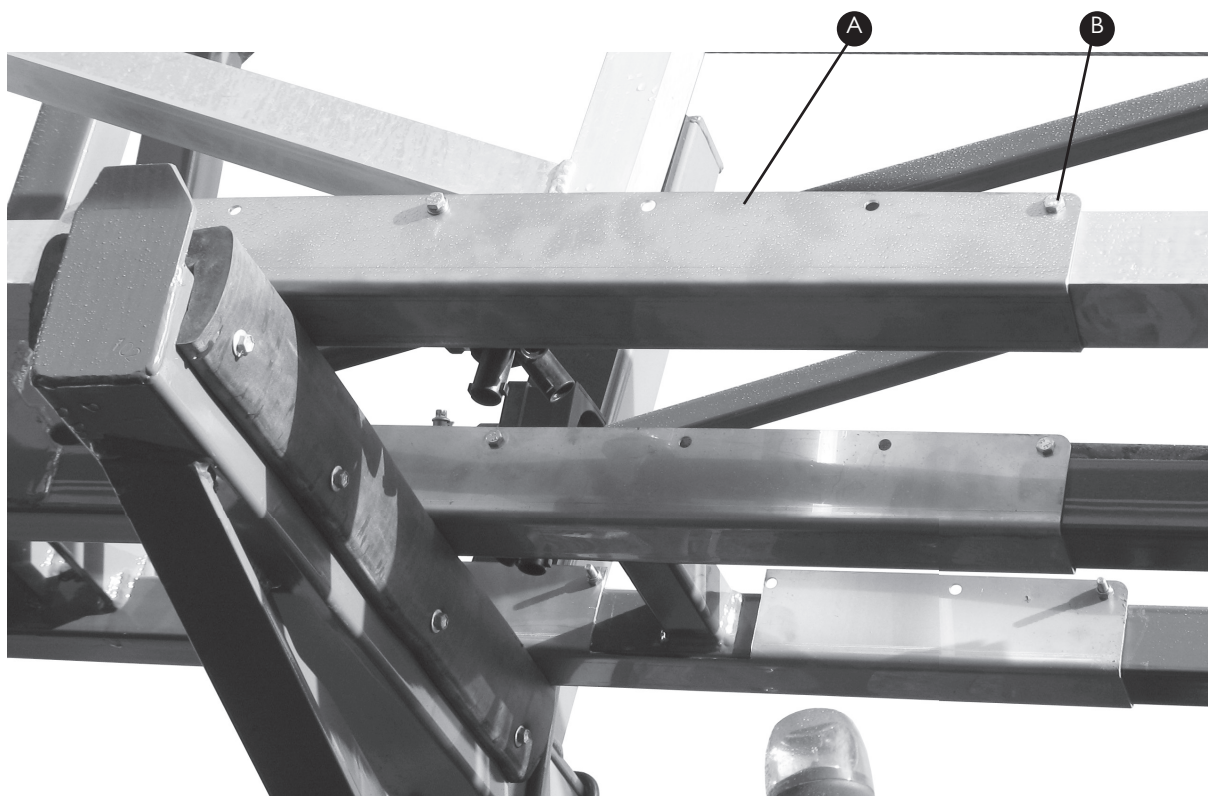
## BOOM BUMP STOP



Item	Part No	Description	Quantity
A	GA5006225	Boom Bump Stop	1
B-1	GA5004103	M6 x 70mm Bolt	2
B-2	GA5048115	M6 Nyloc Nut	2
B-3	GA5004437	6mm Washer	4

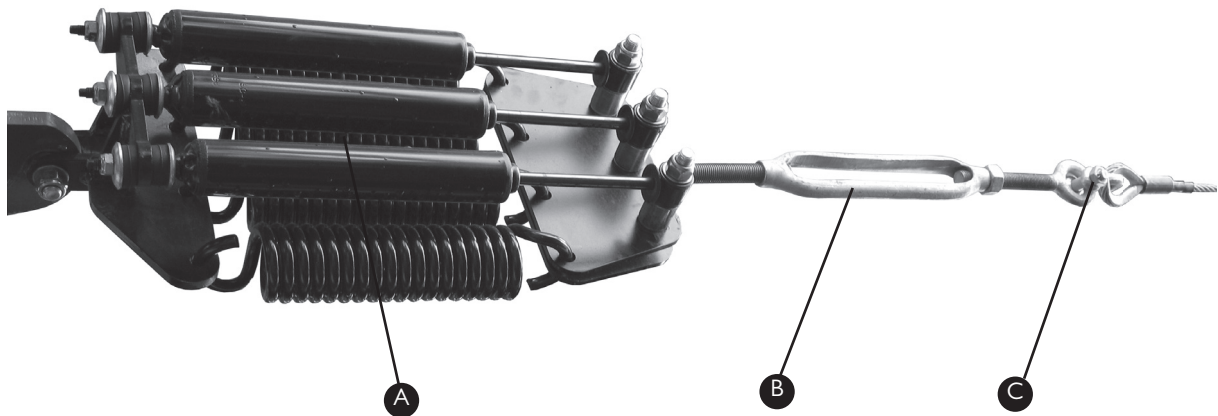
## BOOM PROTECTORS

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Item	Part No	Description	Quantity
A	F70799A	Boom Protector (600mm)	1
	F70287A	Boom Protector (400mm)	1
	F70294A	Boom Protector (200mm)	1
B-1	GA5004103	M6 x 70mm Bolt	2
B-2	GA5048115	M6 Nyloc Nut	2
B-3	GA5004437	6mm Washer	4

## BOOM CABLE TENSIONER ASSEMBLY



Item	Part No	Description	Quantity
A#	GA4903057	24m Boom Cable Springs	1
	GA4903067	28-30m Boom Cable	
		Springs	1
	GA4903071	36m Boom Cable Springs	1
B	GA5017061	Turnbuckle	1
C	GA5000669	Safety Shackle	1
D	GA5065020	Chain*	4 links

# Select for relevant boom size

\* Not shown in photos

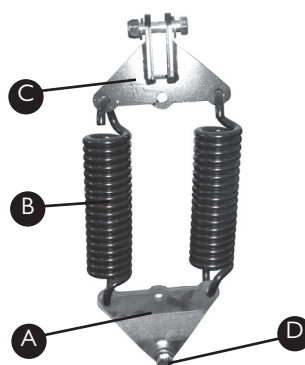


## BOOM CABLE SPRINGS

### 24m Boom Cable Springs

Assembly Part No: GA4903057

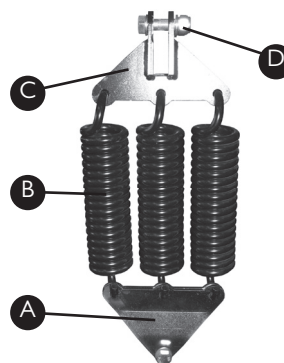
Item	Part No	Description	Quantity
A	F70057A	3 Spring Mounting Plate	2
B	GA5010793	Spring	2
C	GA4656230	Cable Mounting Plate	1
D-1	GA5000941	M16 x 60mm Bolt	2
D-2	GA5001029	M16 Nyloc Nut	2
D-3	GA5001043	16mm Washer	4



### 28-30m Boom Cable Springs

Assembly Part No: GA4903067

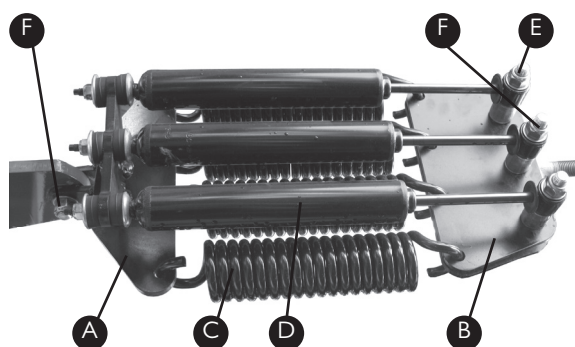
Item	Part No	Description	Quantity
A	F70057A	3 Spring Mounting Plate	2
B	GA5010793	Spring	3
C	GA4656230	Cable Mounting Plate	1
D-1	GA5000941	M16 x 60mm Bolt	2
D-2	GA5001029	M16 Nyloc Nut	2
D-3	GA5001043	16mm Washer	4



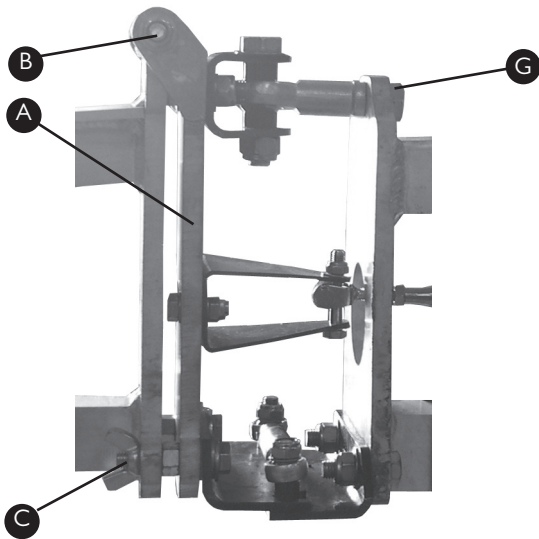
### 36m Boom Cable Springs

Assembly Part No: GA4903071

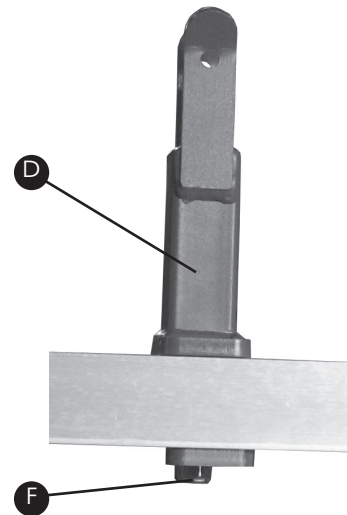
Item	Part No	Description	Quantity
A	GA4656235	Cable Mounting Plate	1
B	F70411A	Spring Mounting Plate	2
C	GA5010793	Spring	4
D	GA5015899	Damper	3
E-1	GA5000861	M16 x 130mm HT Bolt	2
E-2	GA5001029	M16 Nyloc Nut	2
E-3	GA5001043	16mm Washer	8
E-4	GA4582335	Long Damper Spacer	2
E-5	GA4582330	Short Damper Spacer	2
F-1	GA5000861	M16 x 130mm HT Bolt	1
F-2	GA5001029	M16 Nyloc Nut	1
F-3	GA5001043	16mm Washer	4
F-4	GA4582335	Long Damper Spacer	2
G-1	GA5000941	M16 x 60mm Bolt	1
G-2	GA5001029	M16 Nyloc Nut	1
G-3	GA5001043	16mm Washer	2



## FLIP OVER ENDS



Item	Part No	Description	Quantity
A	GA4656110	Pivot Plate	1
B-1	GA5066910	M10 x 160mm Bolt	1
B-2	GA5000141	M10 Nyloc Nut	1
B-3	GA5000117	10mm Washer	2
C-1	GA5011239	M12 x 50mm Bolt	2
C-2	GA5000559	M12 Nut	2
C-3	GA5000591	M12 Wing Nut	2

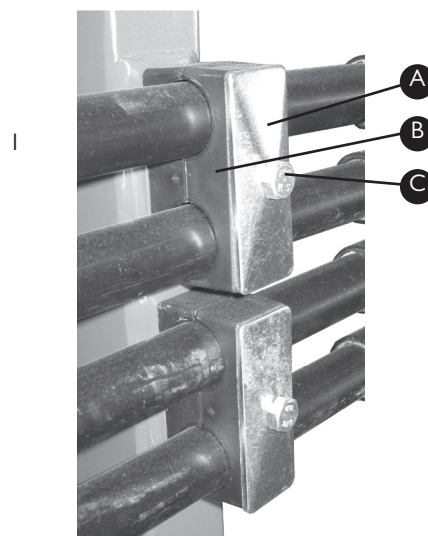


Item	Part No	Description	Quantity
C-4	GA5000577	12mm Washer	2
D	GA4656310	Boom Saddle	1
E	GA5048380	Pin with Clip*	1
F-1	GA5012461	M12 Nyloc Nut	1
F-2	GA5000577	12mm Washer	1
G	GA4522485	Locking Plate	1

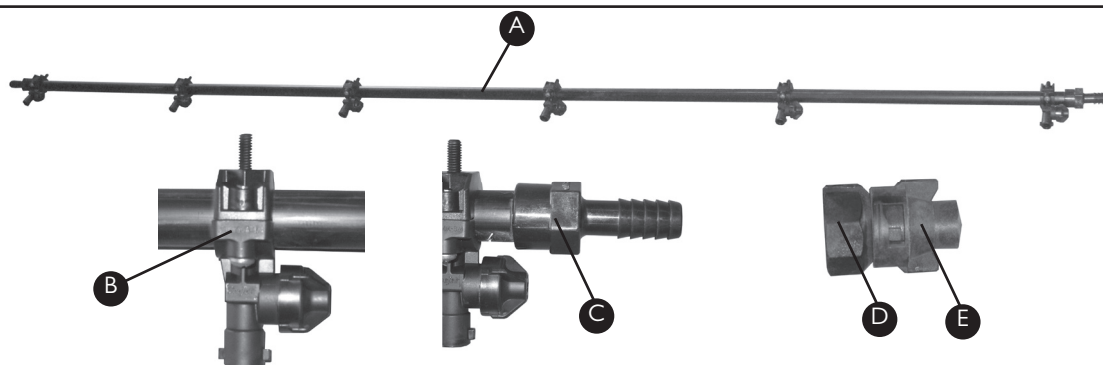
\* Not shown in photos

## HOSE RETAINER CLIPS

Item	Part No	Description	Quantity
A	GA5078049	Top plate	1
B	GA5078038	Hose Holder	2
C-1	GA5011489	M8 x 60mm Bolt	1
C-2	GA5003643	8mm Washer	



## POLY PLUMBING SECTIONS & TEEJET NOZZLES



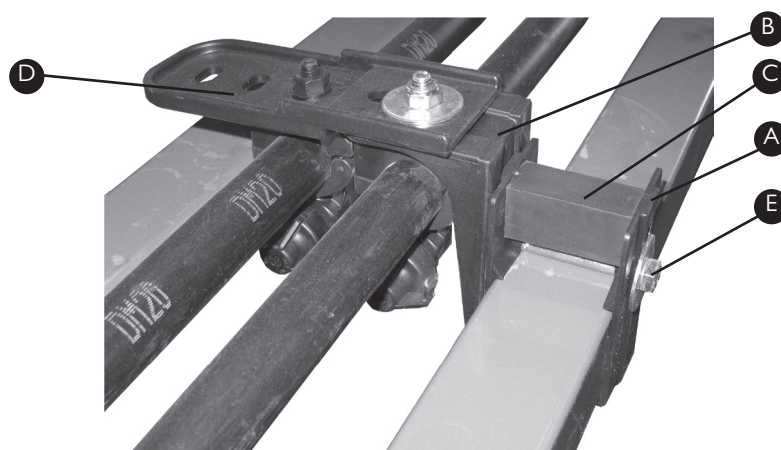
Item	Part No	Description	Quantity
A	GA5018273	4 Hole, 1600mm long	
		Poly Boom Manifold	1
	GA5018275	5 Hole, 2100mm long	
		Poly Boom Manifold	1
	GA5018279	6 Hole, 2600mm long	
		Poly Boom Manifold	1

Item	Part No	Description	Quantity
	GA5018281	7 Hole, 3100mm long	
		Poly Boom Manifold	1
B	GA5077964	Blank Teejet Nozzle Body*	
C	GA5077743	3/4" Hose Barb	2
D	GA5076904	3/4" Adapter	1
E	GA5076594	Shut Off Cap	1

Note: All poly boom manifolds come with 50cm hole spacing and 3/4" BSP threaded ends, with different configurations available upon request.

\*For full range of Teejet Nozzles and Accessories refer to Teejet Catalogue or [www.teejet.com](http://www.teejet.com)

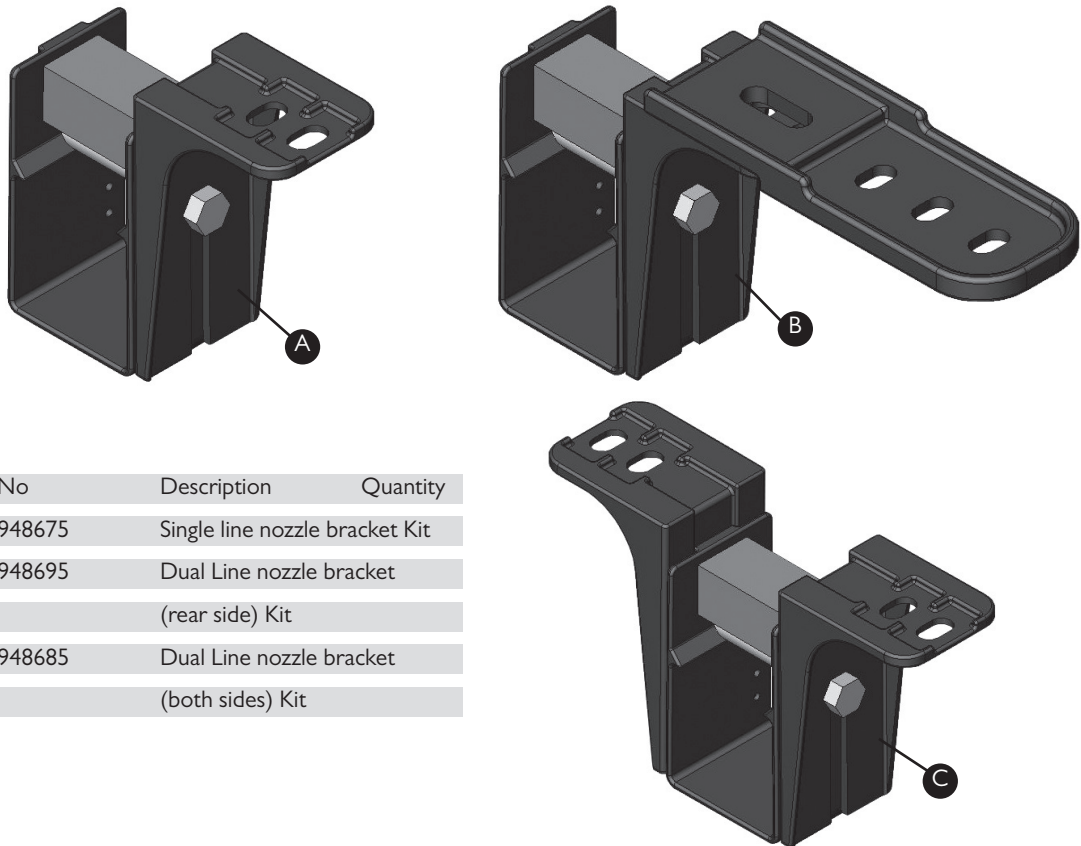
## ADJUSTABLE NOZZLE BRACKETS



Item	Part No	Description	Quantity
A	GA5018259	Main Nozzle Bracket	
		to suit 50mm RHS	1
B	GA5018257	Nozzle Bracket Extension	1
C	GA5066965	Spacer	1
D	GA5018255	Dual Boom Nozzle	
		Extension Bracket	1

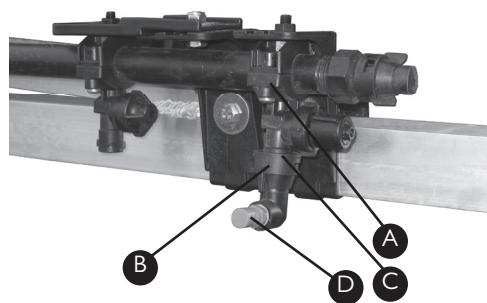
Item	Part No	Description	Quantity
E-1	GA5052600	M8 x 75mm Bolt (S/S 304)	1
E-2	GA5004917	M8 Nyloc Nut	1
E-3	GA5002627	3/8" x 1 1/4" Washer	2

## PRE-ASSEMBLED NOZZLE BRACKETS



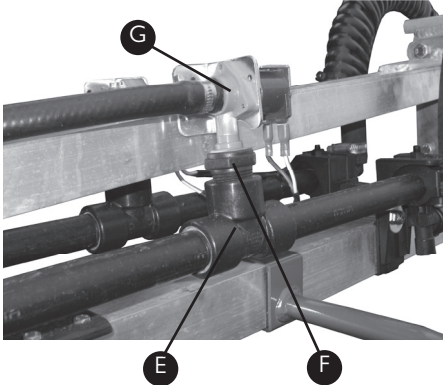
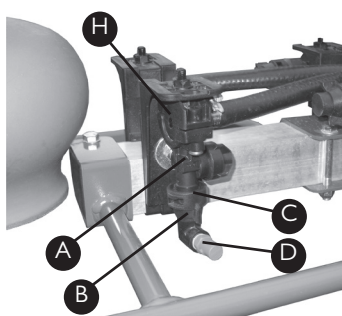
Item	Part No	Description	Quantity
A	GA4948675	Single line nozzle bracket Kit	
B	GA4948695	Dual Line nozzle bracket (rear side) Kit	
C	GA4948685	Dual Line nozzle bracket (both sides) Kit	

## MANUAL FENCE LINE NOZZLES



Item	Part No	Description	Quantity
A	GA5077074	Manual Nozzle Body	1
B	GA5077986	90 Degree Nozzle Adapter	1
C	GA5055245	Seal	1
D	GA8100339	Left Fence Line Nozzle	1
	GA8100340	Right Fence Line Nozzle	1

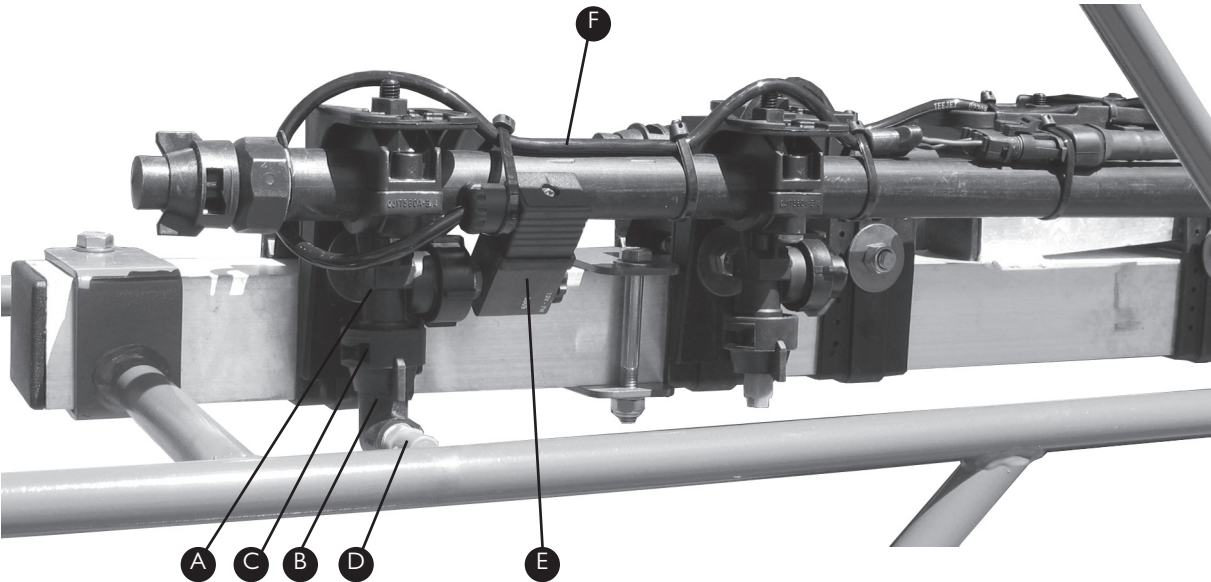
REMOTE FENCE LINE NOZZLES



Item	Part No	Description	Quantity
A	GA5077074	Manual Nozzle Body	1
B	GA5077986	90 Degree Nozzle Adapter	1
C	GA5055245	Seal	1
D	GA8100339	Left Fence Line Nozzle	1
	GA8100340	Right Fence Line Nozzle	1

Item	Part No	Description	Quantity
E	GA5078150	3/4" Tee	1
F	GA5078010	3/4" x 1/2" Reducing Bush	1
G	GA5018421	Fence Line Solenoid	1
H	GA5077497	End Barb Adapter	1

The Configuration above is for machines manufactured before 22/9/09 (Build Sequence No 18495, Serial No 101697), Machines after this date will have the configuration shown below.

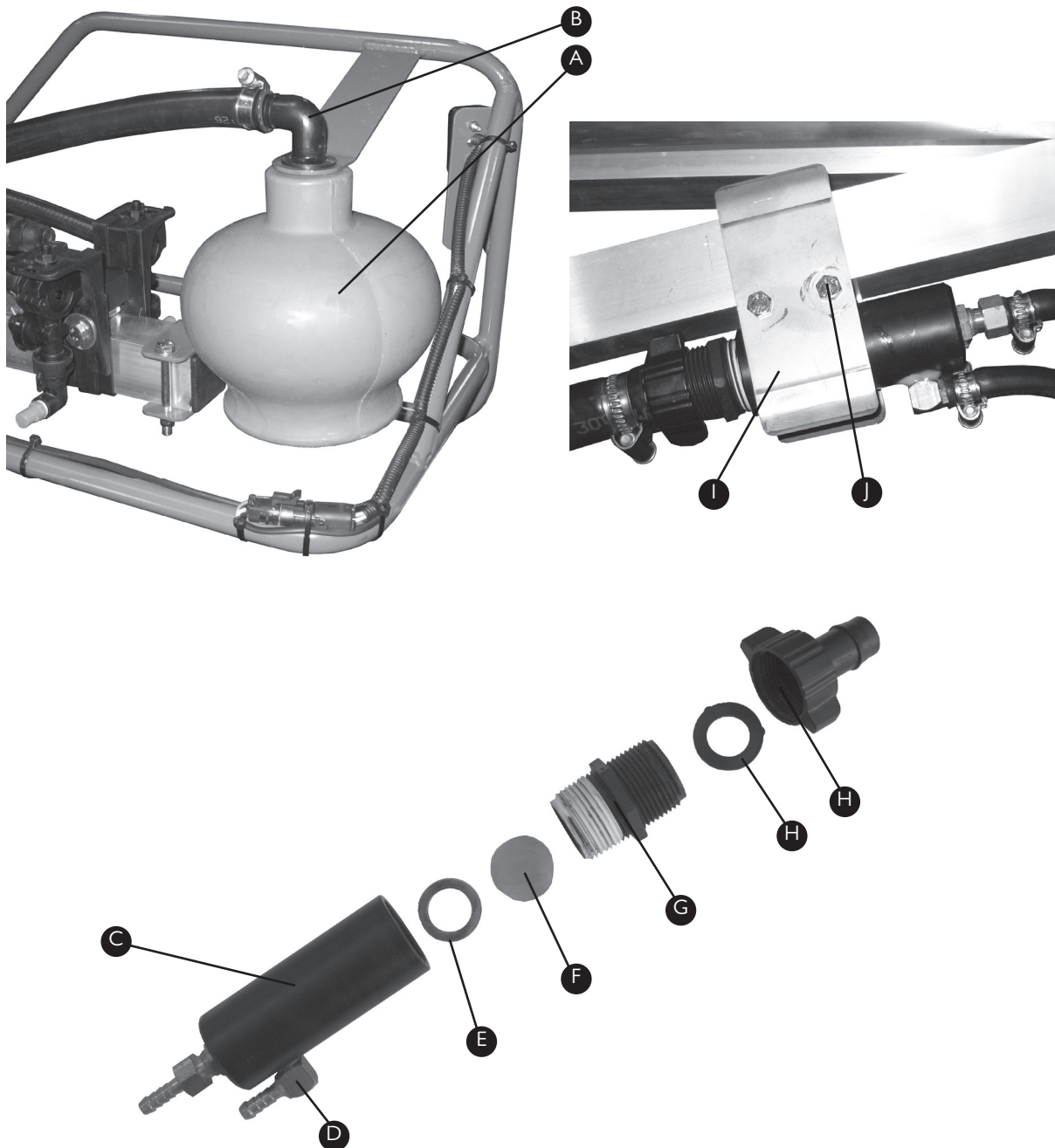


Item	Part No	Description	Quantity
A	GA5077074	Manual Nozzle Body	1
B	GA5077986	90 Degree Nozzle Adapter	1
C	GA5055245	Seal	1
D	GA8100339	Left Fence Line Nozzle	1
	GA8100340	Right Fence Line Nozzle	1

Item	Part No	Description	Quantity
E	GA5077651	Fence Line Solenoid	1
F	GA5077076	Solenoid Extension Cable	1



## FOAM MARKER COMPONENTS



Item	Part No	Description	Quantity
A	GA5008491	Foam Accumulator	1
B	GA5076355	Elbow	1
C	FGEN-COM	Foam Generator	1
D	GA5066950	1/4" x 1/8" Elbow	1
E	GA5002497	3/4" Copper Washer	1
F	GA4948390	Mesh Screen	1

Item	Part No	Description	Quantity
G	GA5077914	1" Nipple	1
H	GA5007621	19mm x 1" Barb	1
I	F70239A	Generator Bracket	2
J-1	GA5004097	M6 x 60mm Bolt	2
J-2	GA5048115	M6 Nyloc Nut	2
J-3	GA5004437	6mm Washer	



# CHAPTER 15

## ELECTRICS



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## WIRING LOOMS

Part No	Description
GA5001665	Main Chassis Loom used on all Prairie Advances and Prairies with spool valves
GA5060005	Main Chassis Loom used on all Prairie models when no spool valves are optioned
GA5076181	Raven Boom Valve Loom, 44' long to suit 400 series controllers
GA5075858	Speed Sensor Kit, 7 1/2' cable with 4 wheel magnets
GA5076110	Raven speed sensor cable extension 24'
GA5076111	Raven speed sensor cable extension 12'
GA5076207	Raven Flowmeter extension cable 36.5'
GA5076151	400 Series Raven Console Cable
1150117152	Chassis Cable to suit SCS4400 controller
GA5076204	13.5' Console Cable to suit 4000 series controllers
GA5001663	Control box for machines with Foam marker, Fence line nozzles. Only for use on machines with spool valves
GA5060240	Hydraulic Function control box
GA5016311	Tail Light/Road Pack Loom
GA5076111	Speed sensor extension loom for 3m Axles
GA4948780	3TS Box to suit 5 Boom Sections
GA4948781	3TS Box to suit 10 Boom Sections
GA5013727	3TS Box to Boom Valves loom, each loom does 5 boom sections
GA5060250	Single Boom Line with 5 boom sections loom
GA5060251	Single Boom Line with 10 boom sections loom
GA5007461	Foam Marker Controller box for machines without spool valves
GA5060006	Tractor cabin loom for machines without foam marker, fence line nozzles or spool valves
GA5076186	12' Can Bus Cable with Tee
GA5060325	Transistor Junction box to suit Joystick Controllers
GA5060301	Joystick Tractor Cabin loom
GA5060320	Raven 4070 Joystick Controller Loom
GA5075913	Terminator Can Passive
GA5060291	Main Joystick Chassis Loom
GA5075935	AccuBoom / Boom Sense Combo
0630172373	Node Can Control Single Product
GA5076190	Cable Adapter Tee w/pow can bus
GA5076188	Cable Adapter Tee can bus 6"
GA5001664	8m long Control box for machines with Foam marker, Fence line nozzles. Only for use on machines with spool valves
GA5013372	Right Pod Wiring loom with Fuse Box and Air compressor connections for joystick machines
GA5060260	Drawbar Extension loom to suit Joystick Controller (4m)
GA5060330	Raven 4070 Console Loom to suit Joystick Controller
GA5060360	Steering Axle Loom
GA5060135	Bifold/Steer Solenoid Loom
GA5013371	Right Pod Cabinet Loom
GA5060265	Direct Injection Chassis Loom
GA5060270	Direct Injection Console Loom

## LIGHTS

Part No	Description
GA5018786	LED Tail Light



Part No	Description
GA5051060	Work Light



Part No	Description
GA5051345	Boom Clearance Light



Part No	Description
GA5049755	Sight Tube Light

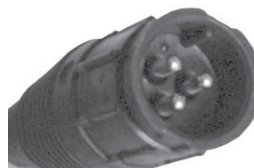




## RAVEN (AMP) ELECTRICAL CONNECTORS

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Part No	Description
GA5076921	Male Flow Meter Connector



Part No	Description
GA5076922	Female Flow Meter Connector



Part No	Description
GA5076920	Male Speed Cable Connector



Part No	Description
GA5076923	Female Speed Cable Connector



Part No	Description
GA5076927	Male Pin for Speed and Flow Meter
	Connector



Part No	Description
GA5076928	Female Pin for Speed and Flow
	Meter Connector



## RAVEN (AMP) ELECTRICAL CONNECTORS\*

Item	Part No	Description
A	GA5076924	Male Loom Connector for 440 and 450 Consoles (16 Pin)
B	GA5049175	Connector Backing Shell



Part No		Description
A	GA5076925	Female Loom Connector for 440 and 450 Consoles (Pin)
B	GA5049175	Connector Backing Shell



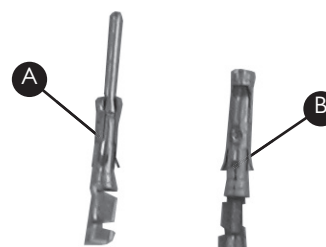
Item	Part No	Description
A	GA5020785	Male Loom Connector for 4400 Console (37 Pin)
B	GA5020560	Backing Shell for Connector



Item	Part No	Description
A	GA5020780	Female Loom Connector for 4400 Console (37 Pin)
B	GA5020560	Backing Shell for Connector



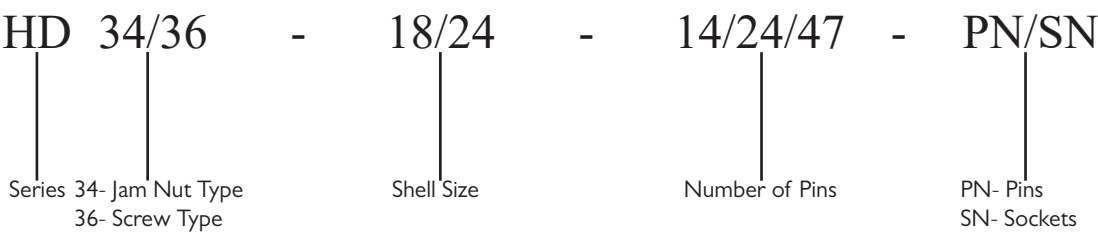
Part No	Description
GA5048905	Male Gold Pin
GA5048900	Female Gold Pin



\* These connectors are used on all Raven looms but are made by AMP

# DEUTSCH ELECTRICAL CONNECTORS

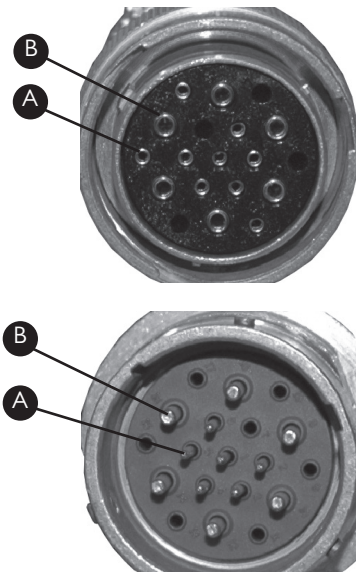
## Deutsch Part Number Breakdown



## Pins and Sockets

Item	Part No	Description
A	GA5061230	16GA Female Deutsch Socket
B	GA5061270	12GA Female Deutsch Socket

Item	Part No	Description
A	GA5061240	16GA Male Deutsch Pin
B	GA5061260	12GA Male Deutsch Pin



# DEUTSCH ELECTRICAL CONNECTORS

## Connectors

Item	Part No	Description
A	GA5002671	HD34-18-14PN Connector
B	GA5002675	HD34-24-21PN Connector

Item	Part No	Description
A	GA5002663	HD36-18-14SN Connector
B	GA5002655	HD36-24-21SN Connector

Part No	Description
GA5062635	HD34-24-47-PE Connector(47 Pin)
GA5061200	Small Male Pin
GA5061260	Large Male Pin

Part No	Description
GA5062640	HD24-47-SE-059 Connector(47 Pin)
GA5061210	Smale Female Pin
GA5061230	Large Female Pin

Part No	Description
GA5021310	HD36-24-19SN-059 Connector

Part No	Description
GA5021315	HD34-24-19PN Connector



# DEUTSCH ELECTRICAL CONNECTORS

## Connector Accessories

Part No	Description
GA5020920	Plug for size 24 Connector with
	External Thread on Plug
GA5020910	Plug for size 18 Connector with
	External Thread on Plug



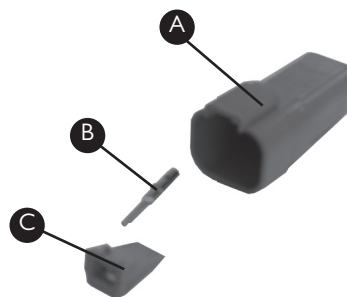
Part No	Description
GA5020925	Plug for size 24 Connector with
	External Thread on Connector
GA5020915	Plug for size 18 Connector with
	External Thread on Connector



Item	Part No	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	Part No	Description
A	GA5013783	Housing (4 Pin)
B	GA5061240	Pin
C	GA5050765	Lock Wedge



## DEUTSCH CONNECTOR PLACEMENTS

Part No	Position on Sprayer
GA5002671	Used on the Foam/Hydraulics console loom on the Prairie EF and Advance EF
GA5002675	Used on the Foam/Hydraulics console loom on the Prairie EF and Advance EF
GA5002663	Used on the Foam Hydraulics chassis loom on the Prairie EF and Advance EF
GA5002655	Used on the Foam Hydraulics chassis loom on the Prairie EF and Advance EF
GA5021310	Used on the Direct Chemical Injection chassis loom
GA5021315	Used on the Direct Chemical Injection console loom
GA5062635	Used on the Main Sprayer console loom
GA5062640	Used on the Main Sprayer chassis loom



## ELECTRICAL CONNECTORS

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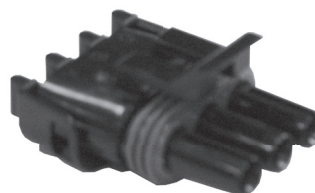
Part No	Description
GA500135I	Male 2 Pin Plug



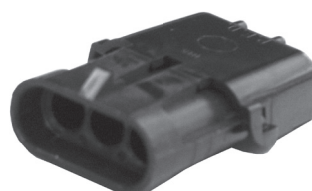
Part No	Description
GA500738I	Female 2 Pin Plug



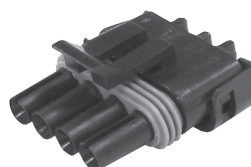
Part No	Description
GA50022I	Male 3 Pin Plug



Part No	Description
GA5048550	Female 3 Pin Plug



Part No	Description
GA5007385	Male 4 Pin Plug



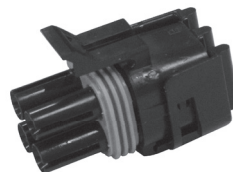
Part No	Description
GA5007383	Female 4 Pin Plug



## ELECTRICAL CONNECTORS

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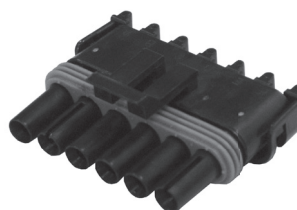
Part No	Description
GA5049000	Male Square 4 Pin Plug



Part No	Description
GA5050805	Female Square 4 Pin Plug



Part No	Description
GA5004009	Male 6 Pin Plug



Part No	Description
GA5002663	Female 6 Pin Plug



Part No	Description
GA5016617	Male Pin
GA5016619	Female Pin



Part No	Description
GA5014857	Rubber Seal (Green)



## ELECTRICAL COMPONENTS

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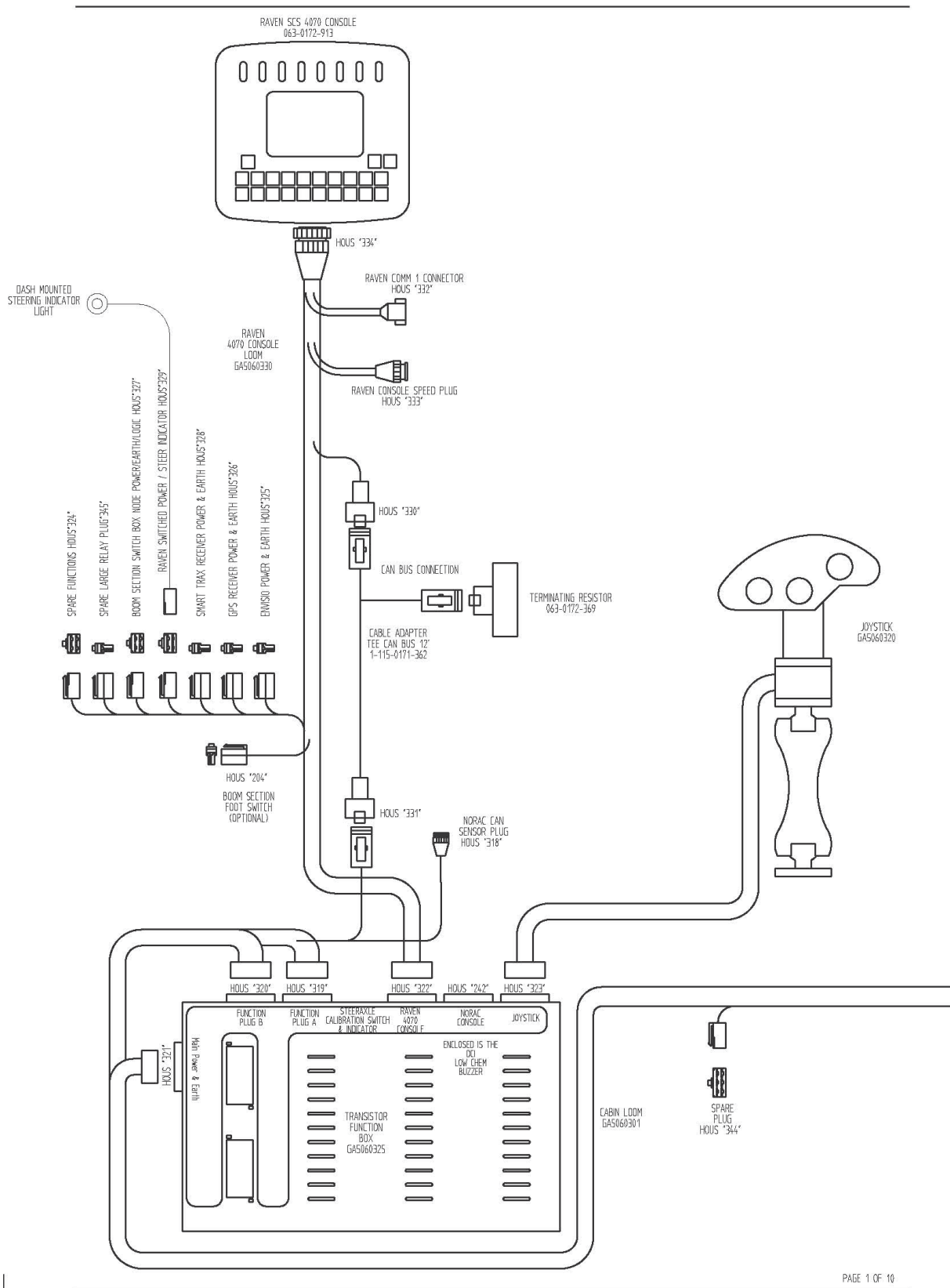
Part No	Description
GA5004477	Round 7 Pin Trailer Plug



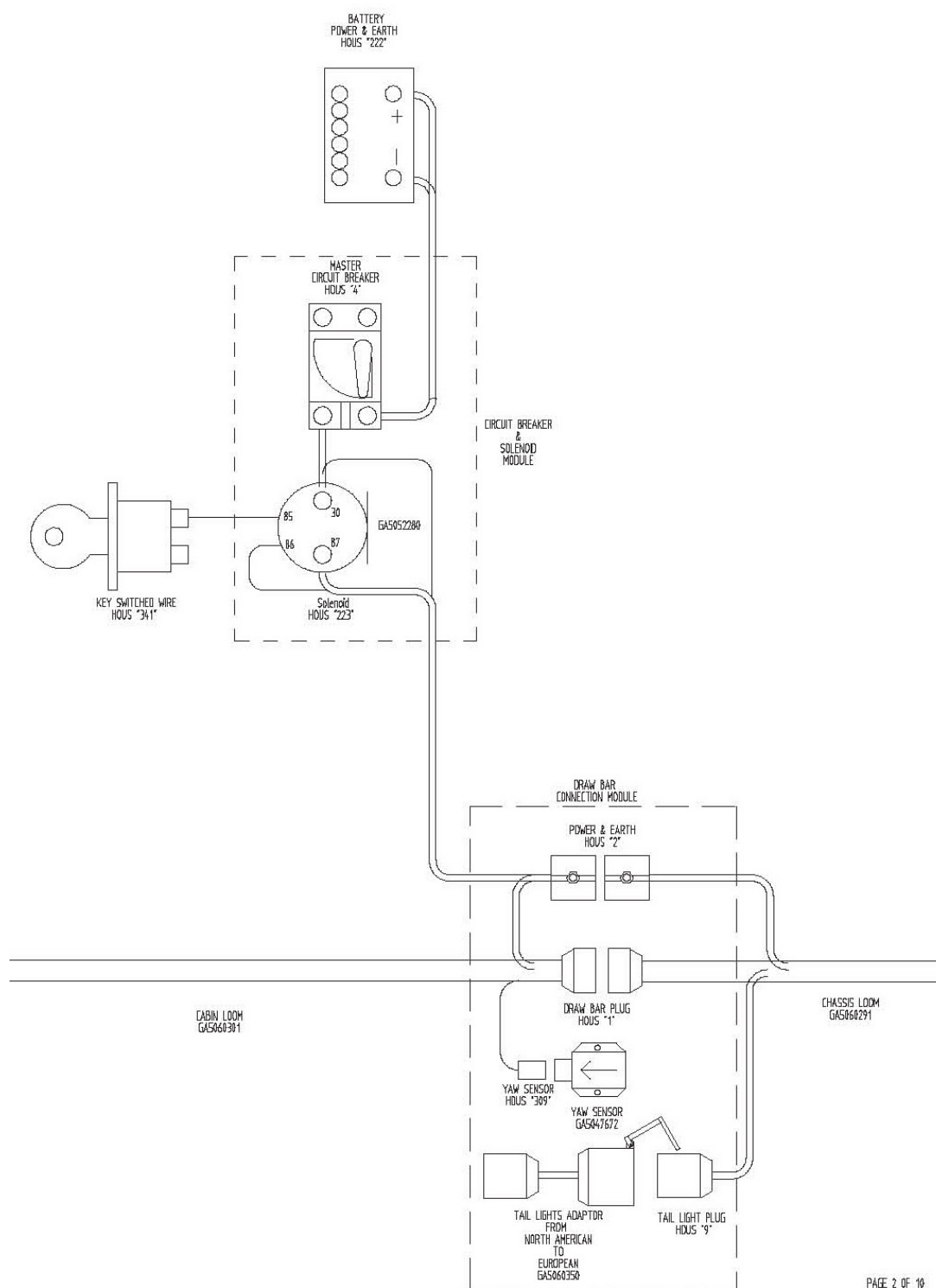
Part No	Description
GA5060350	Trailer Plug to American Style Plug Adapter



# JOYSTICK LOOM LAYOUT



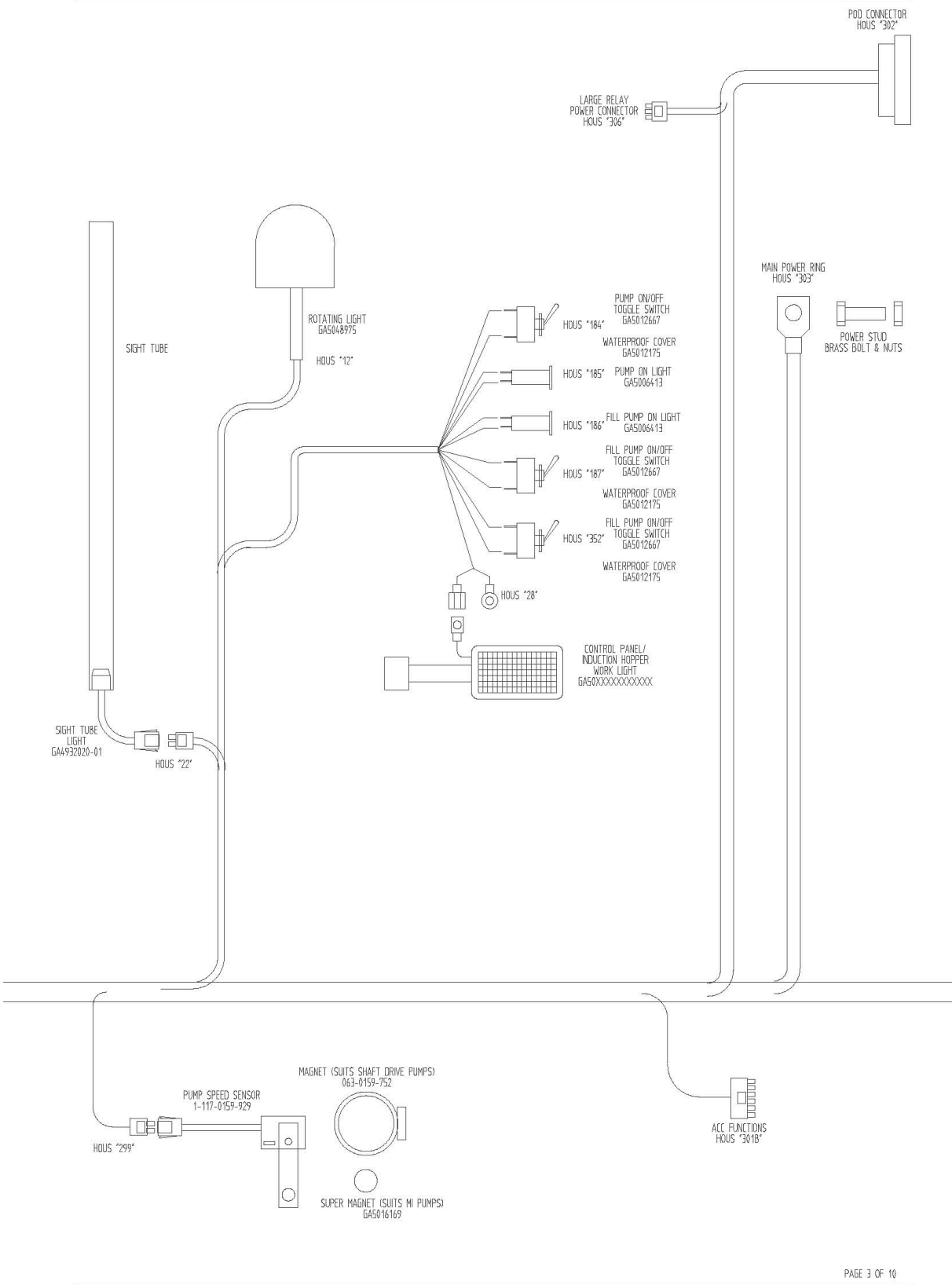
# JOYSTICK LOOM LAYOUT



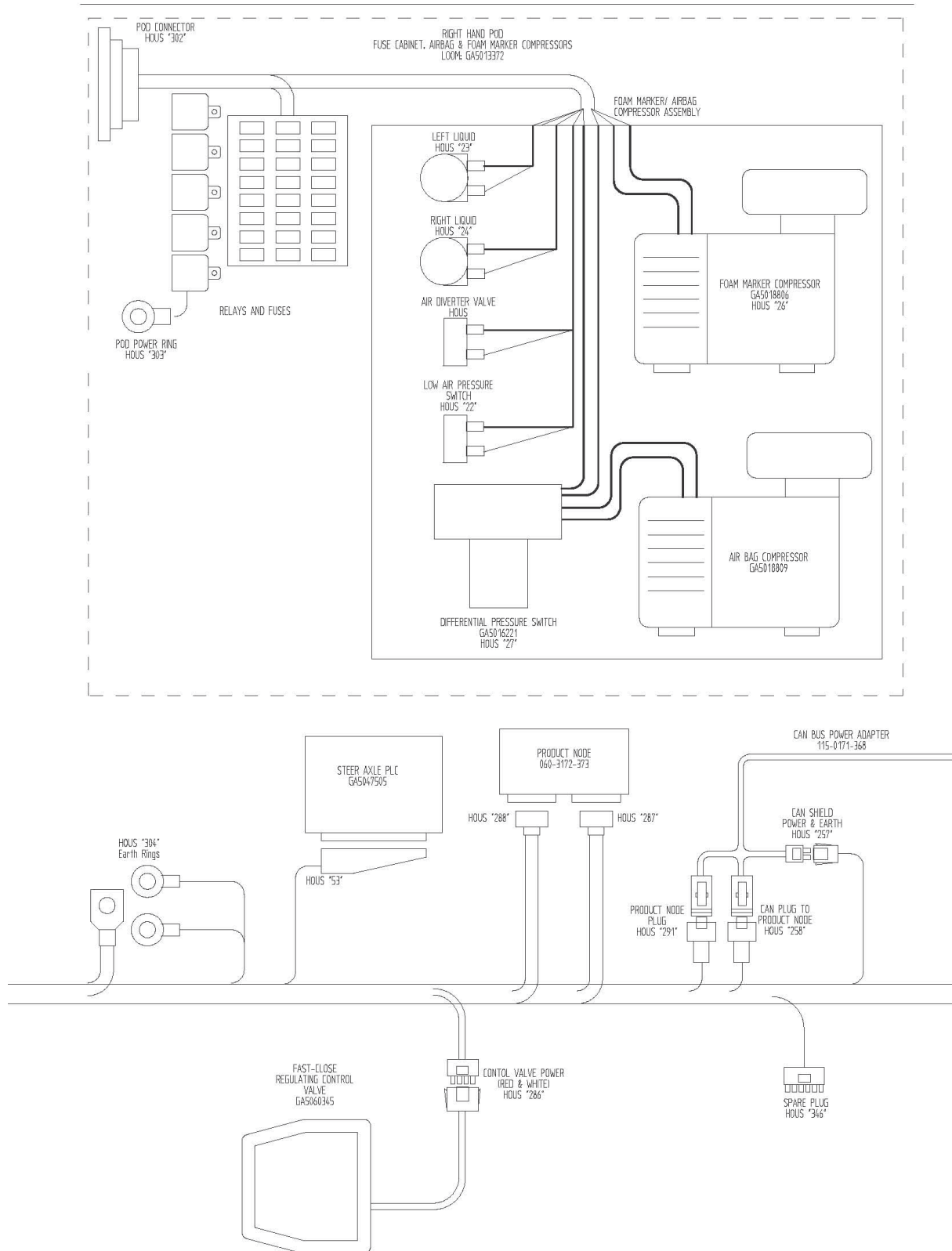
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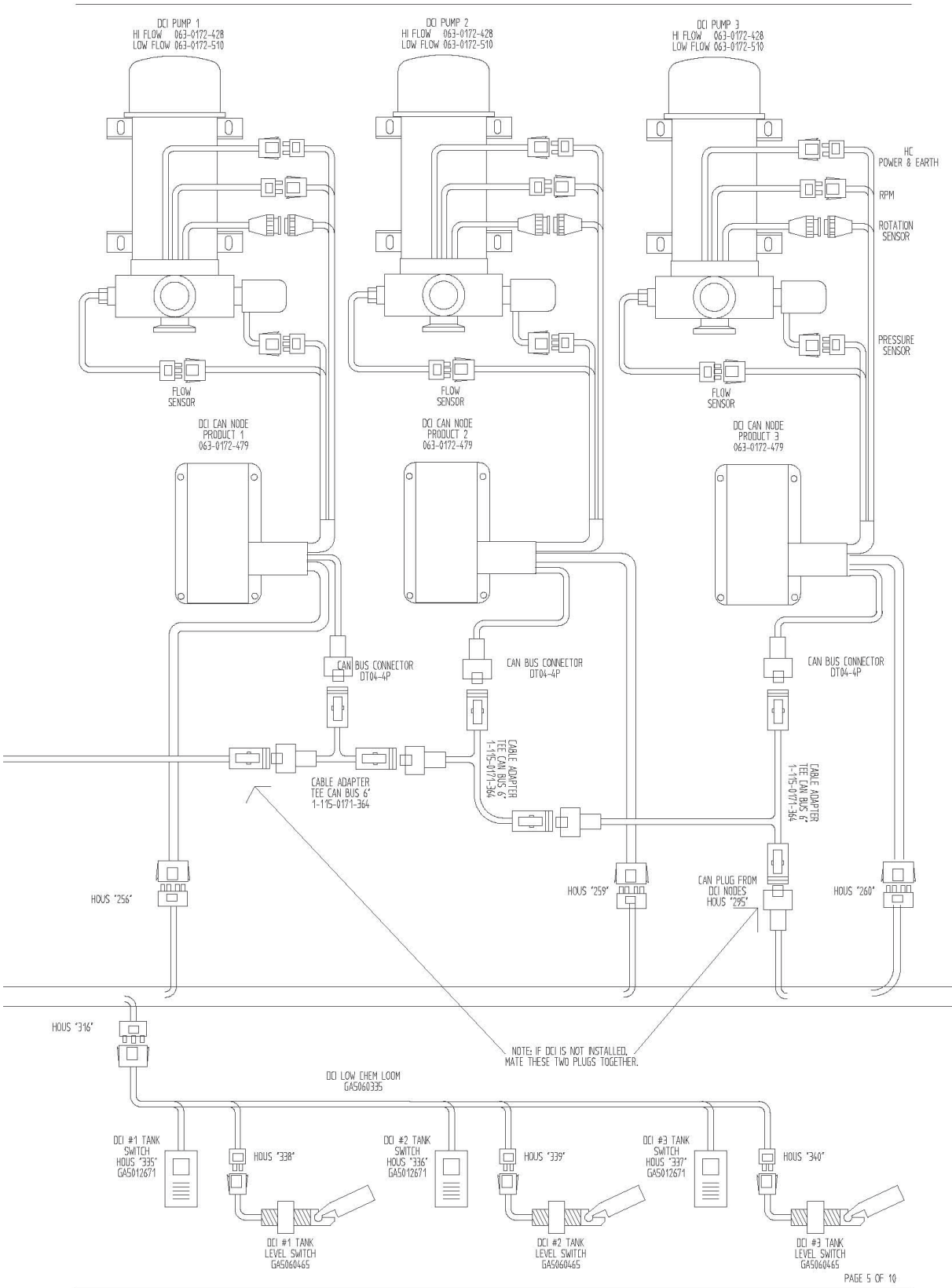
# JOYSTICK LOOM LAYOUT

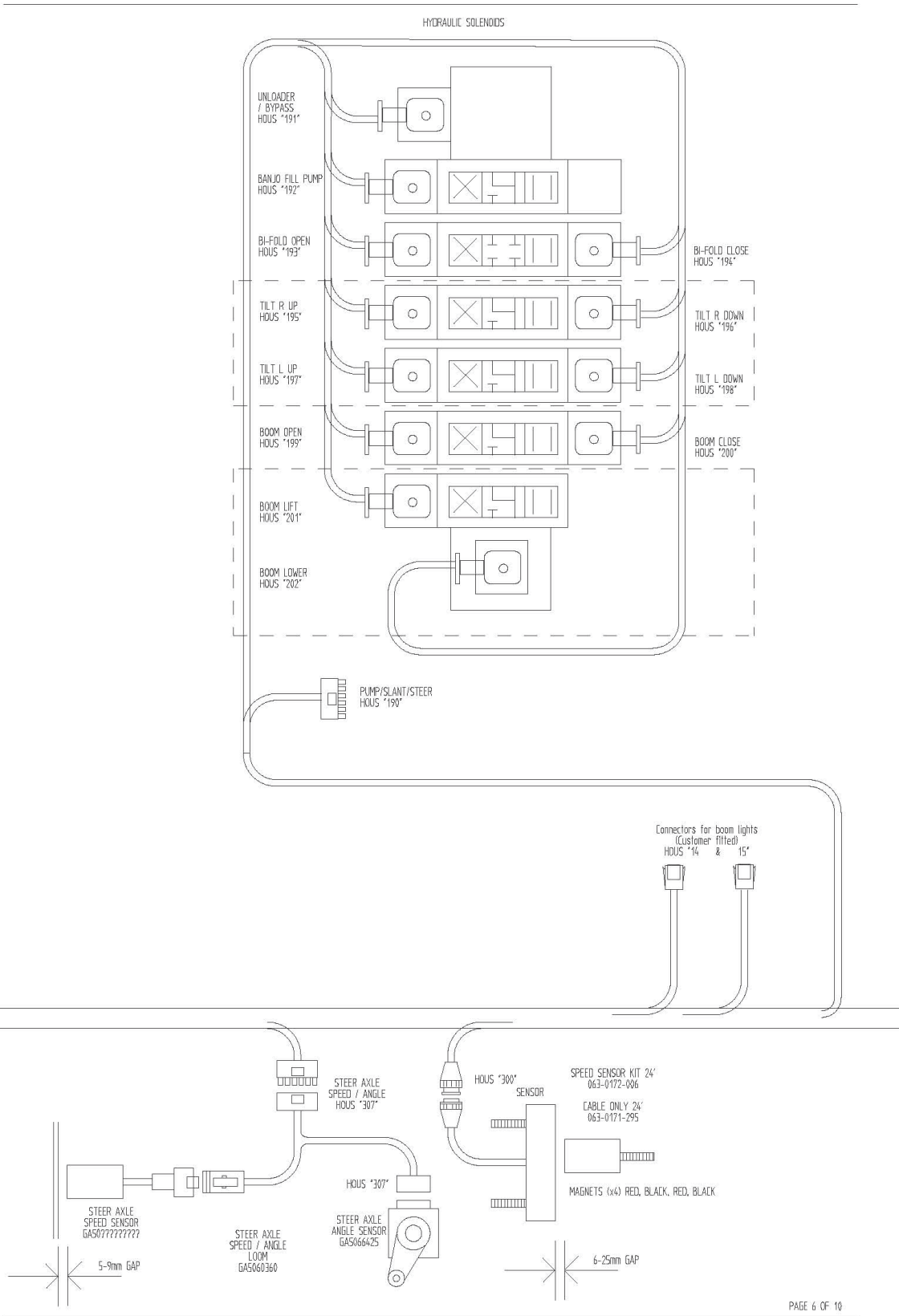


# JOYSTICK LOOM LAYOUT

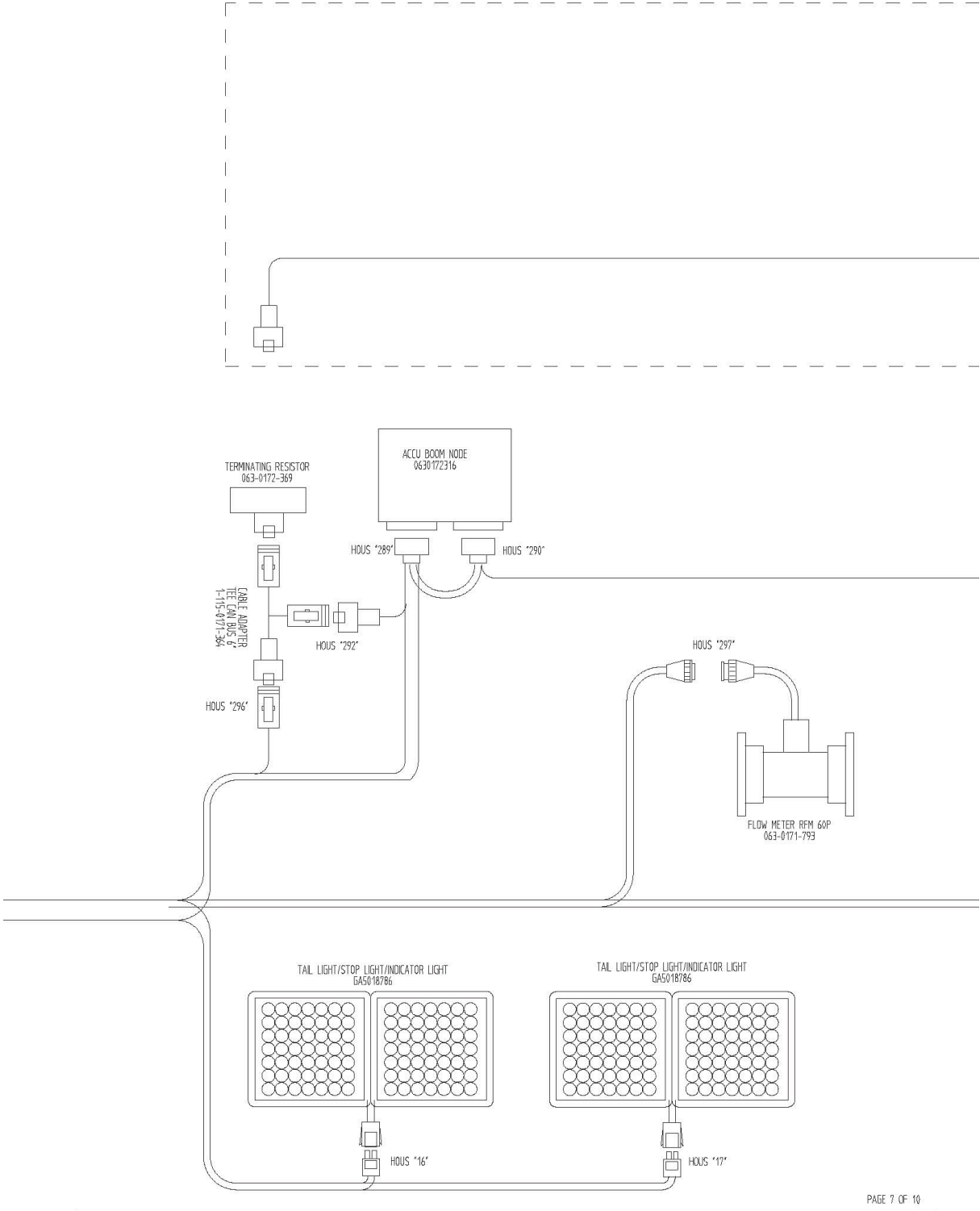


# JOYSTICK LOOM LAYOUT



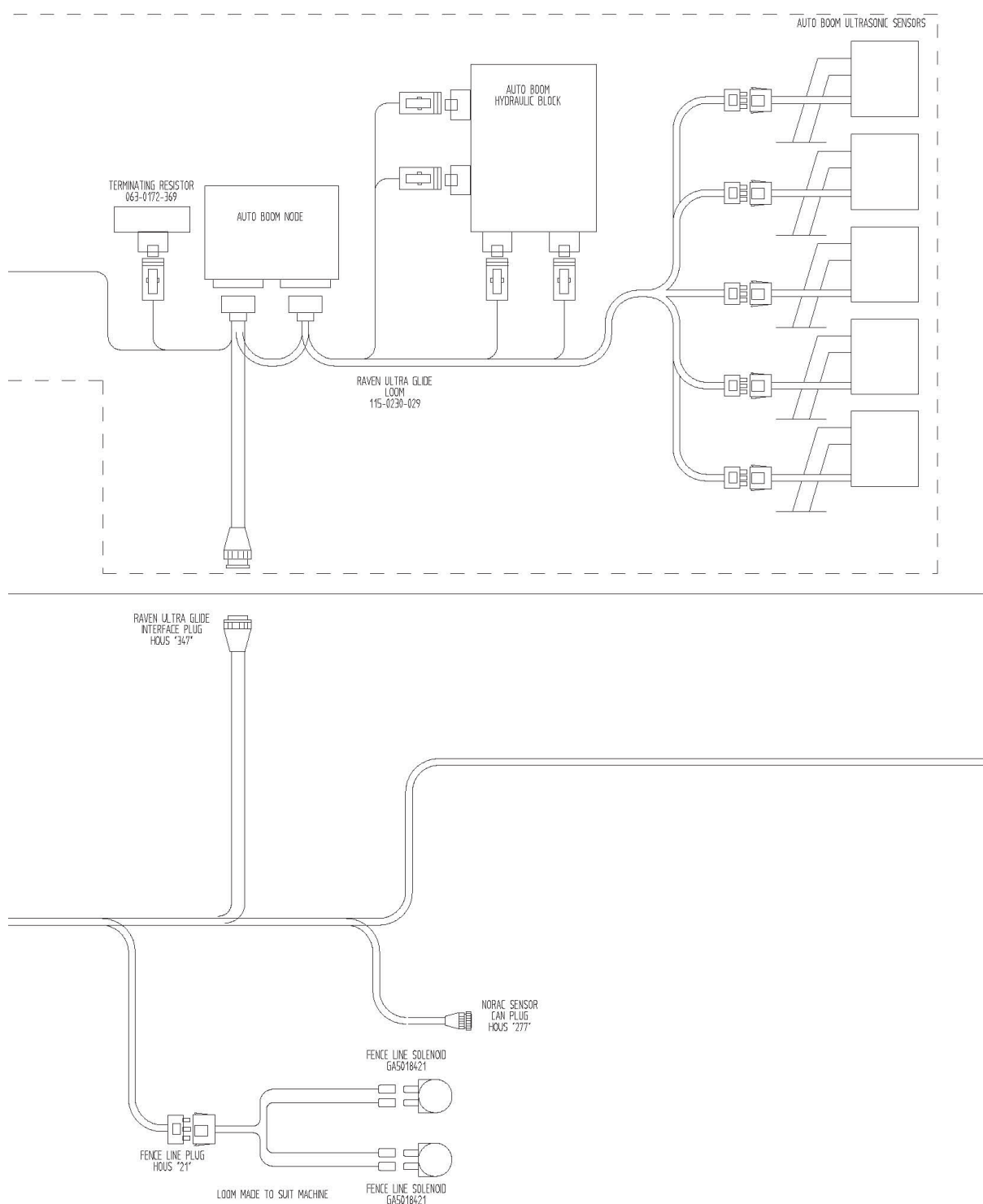


# JOYSTICK LOOM LAYOUT

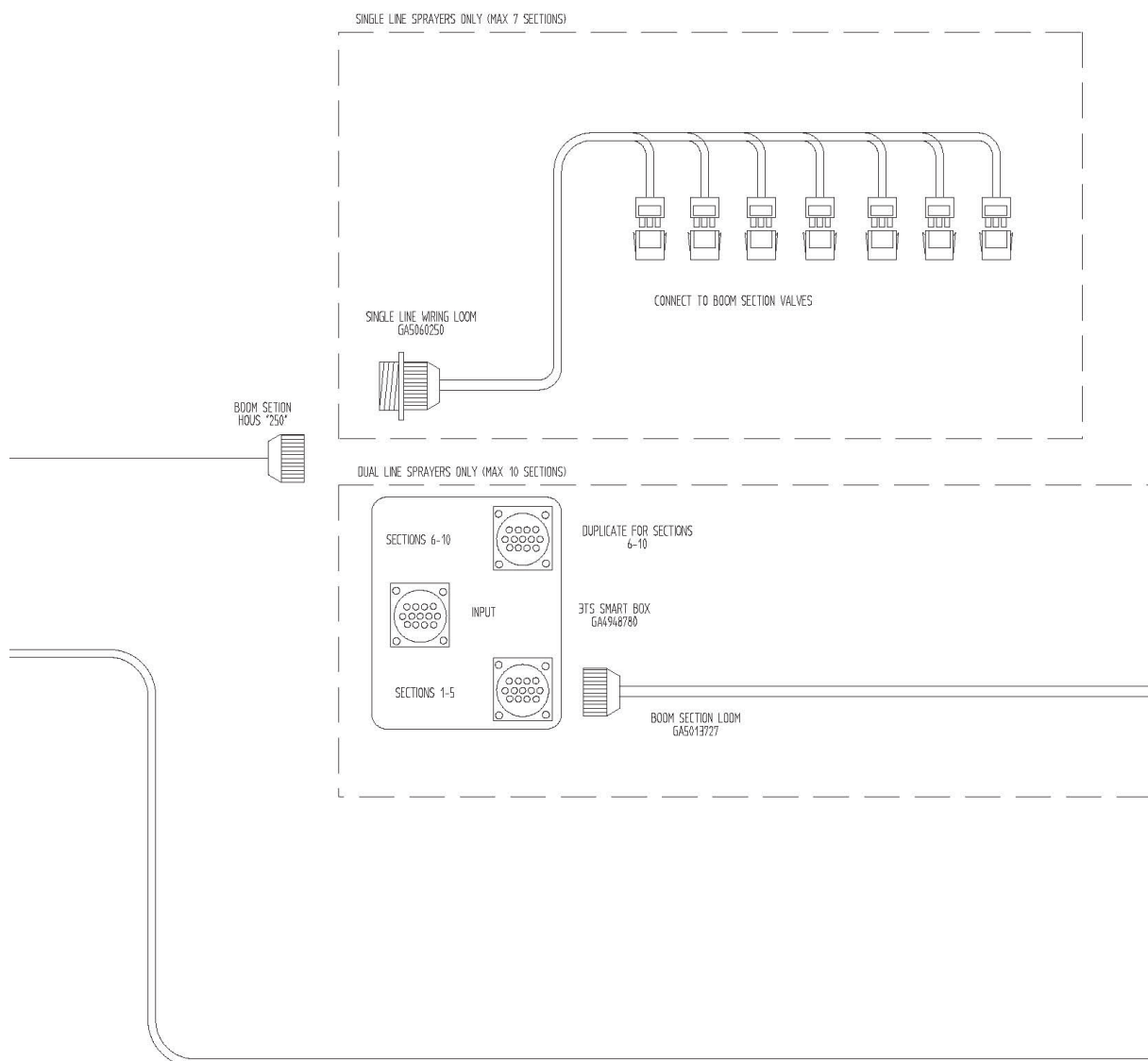




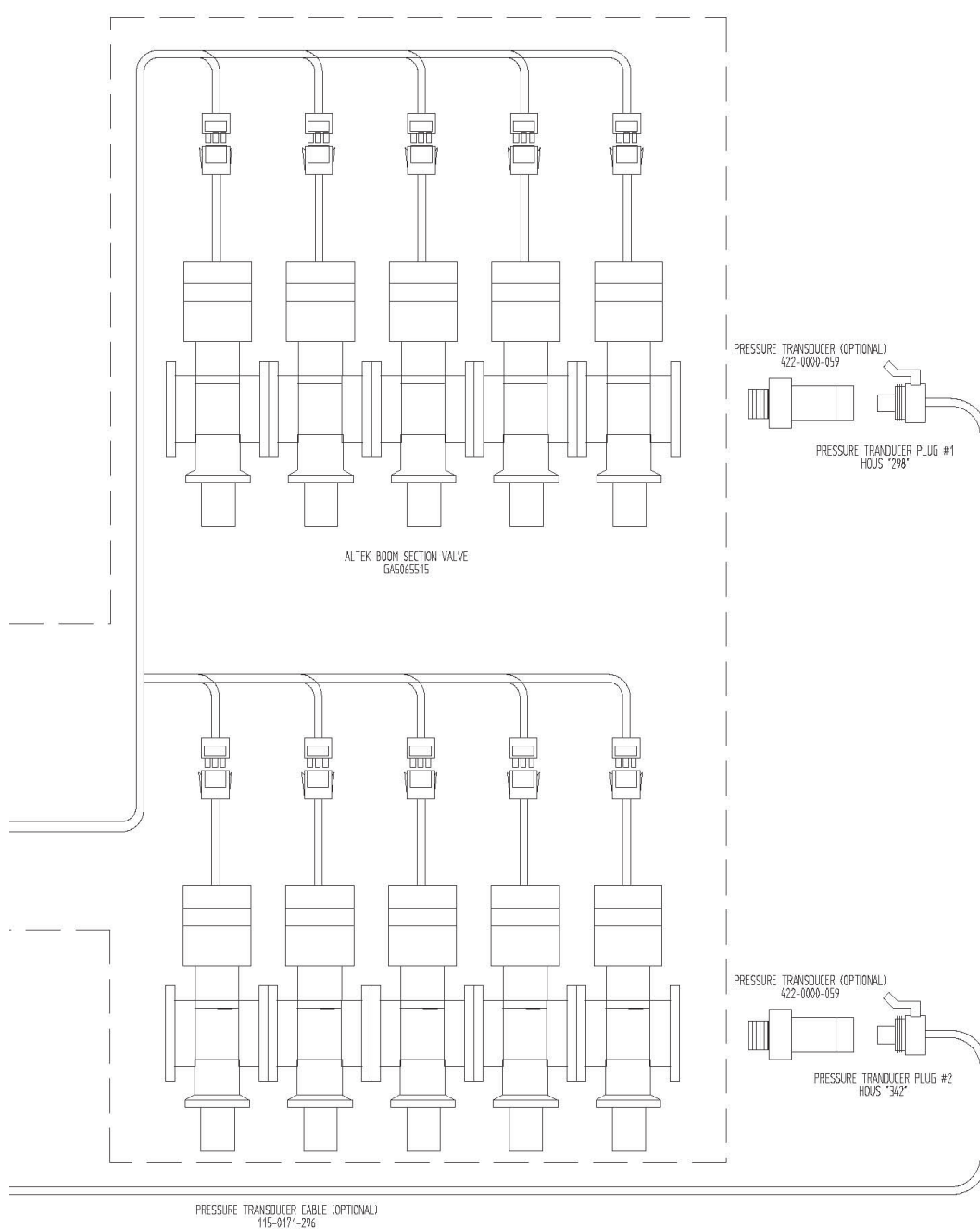
# JOYSTICK LOOM LAYOUT



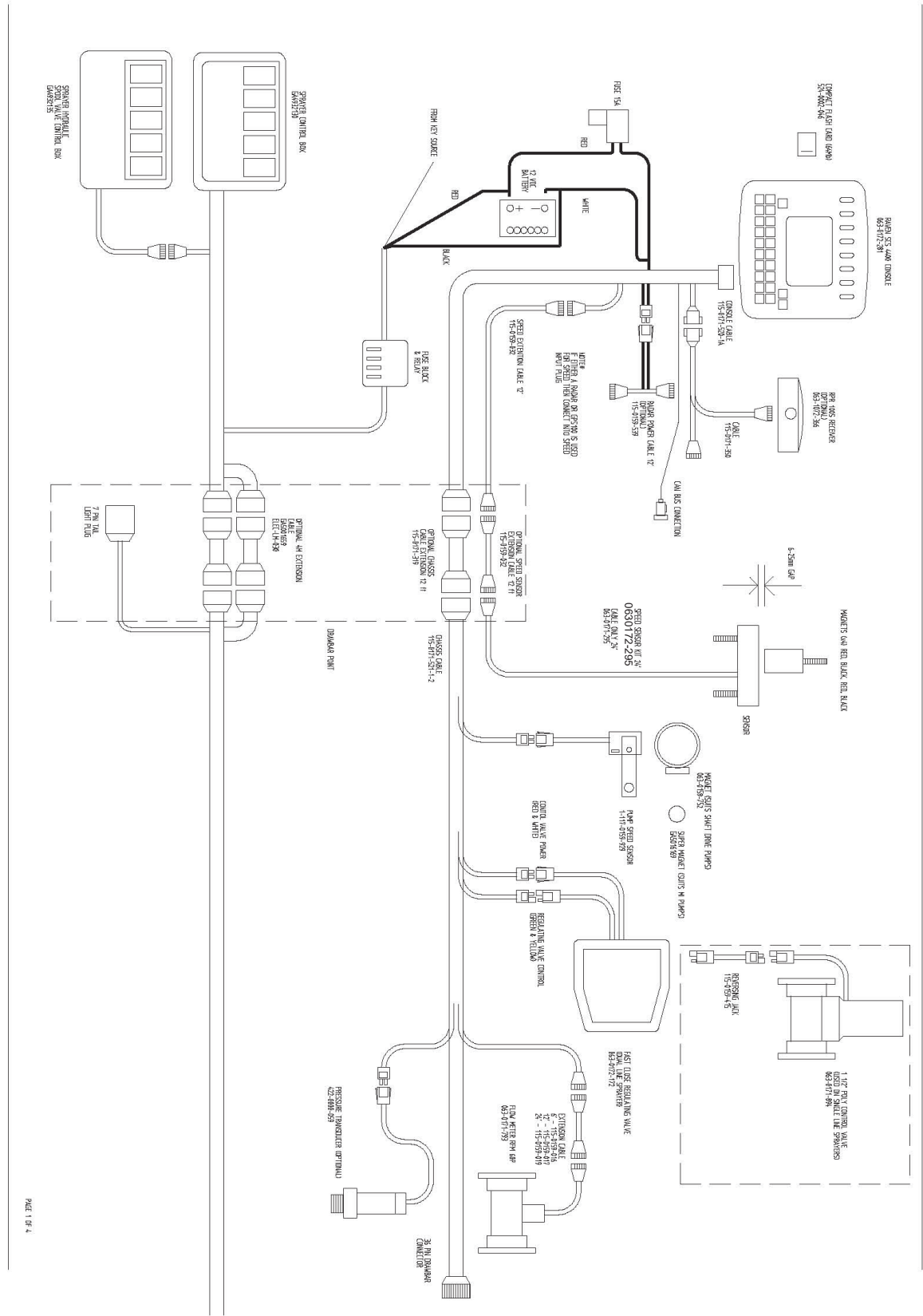
# JOYSTICK LOOM LAYOUT

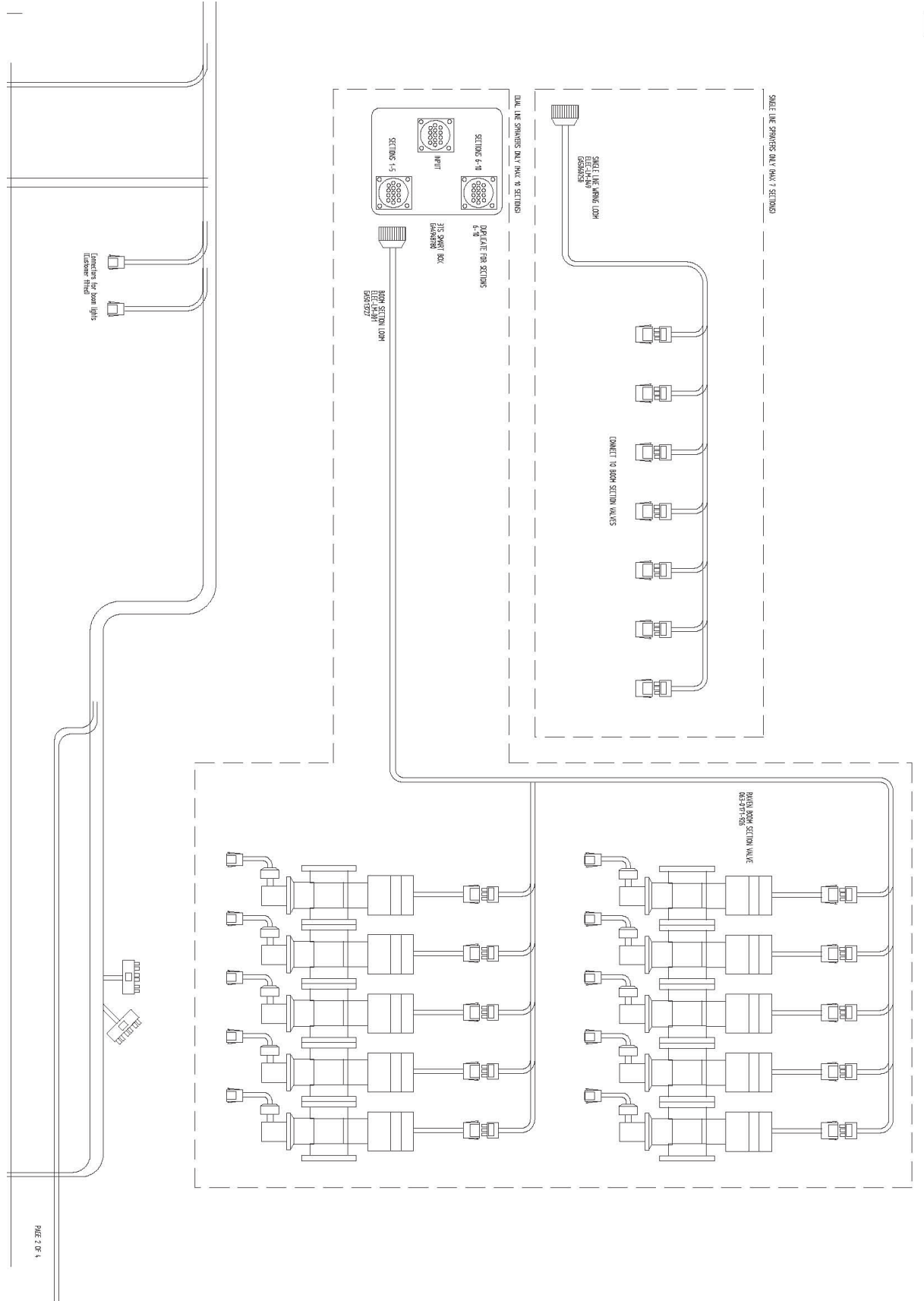


# JOYSTICK LOOM LAYOUT



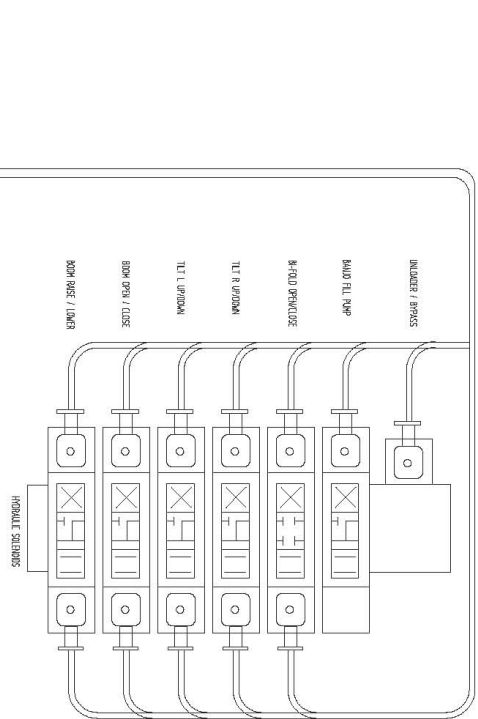
# NON-JOYSTICK LOOM LAYOUT







# NON-JOYSTICK LOOM LAYOUT



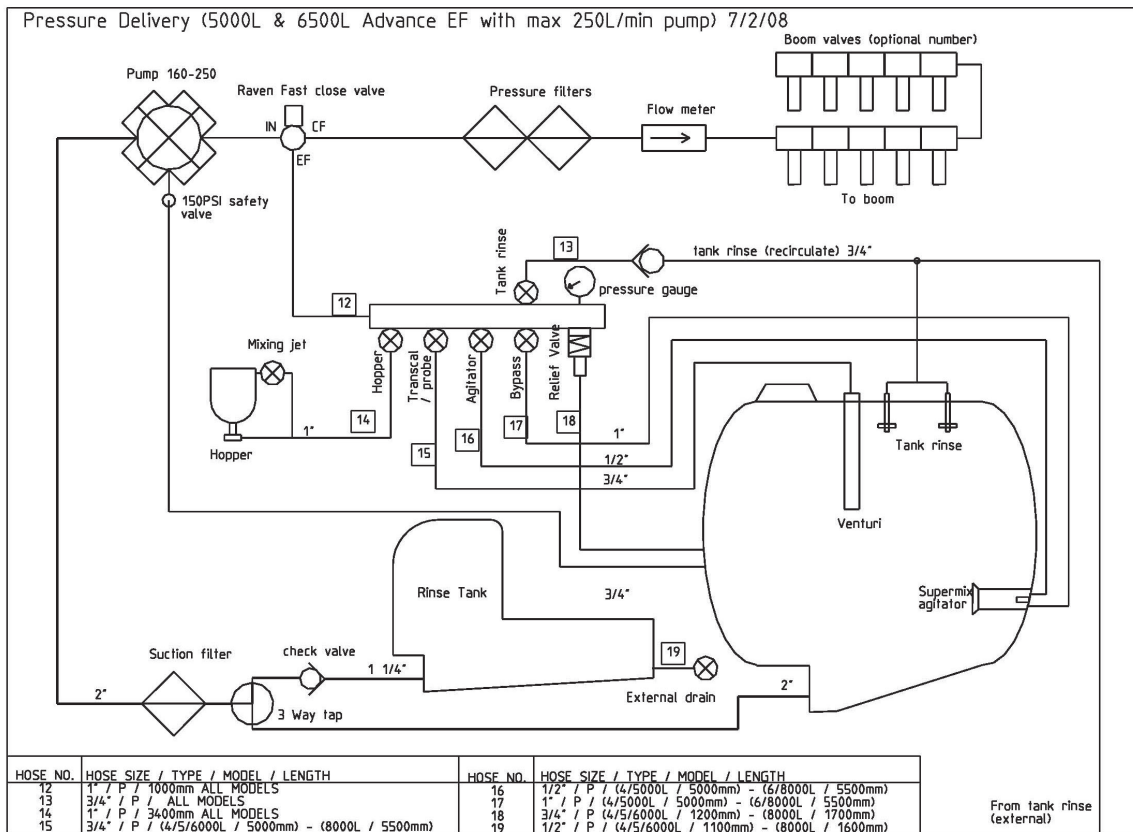
PAGE 3 OF 4



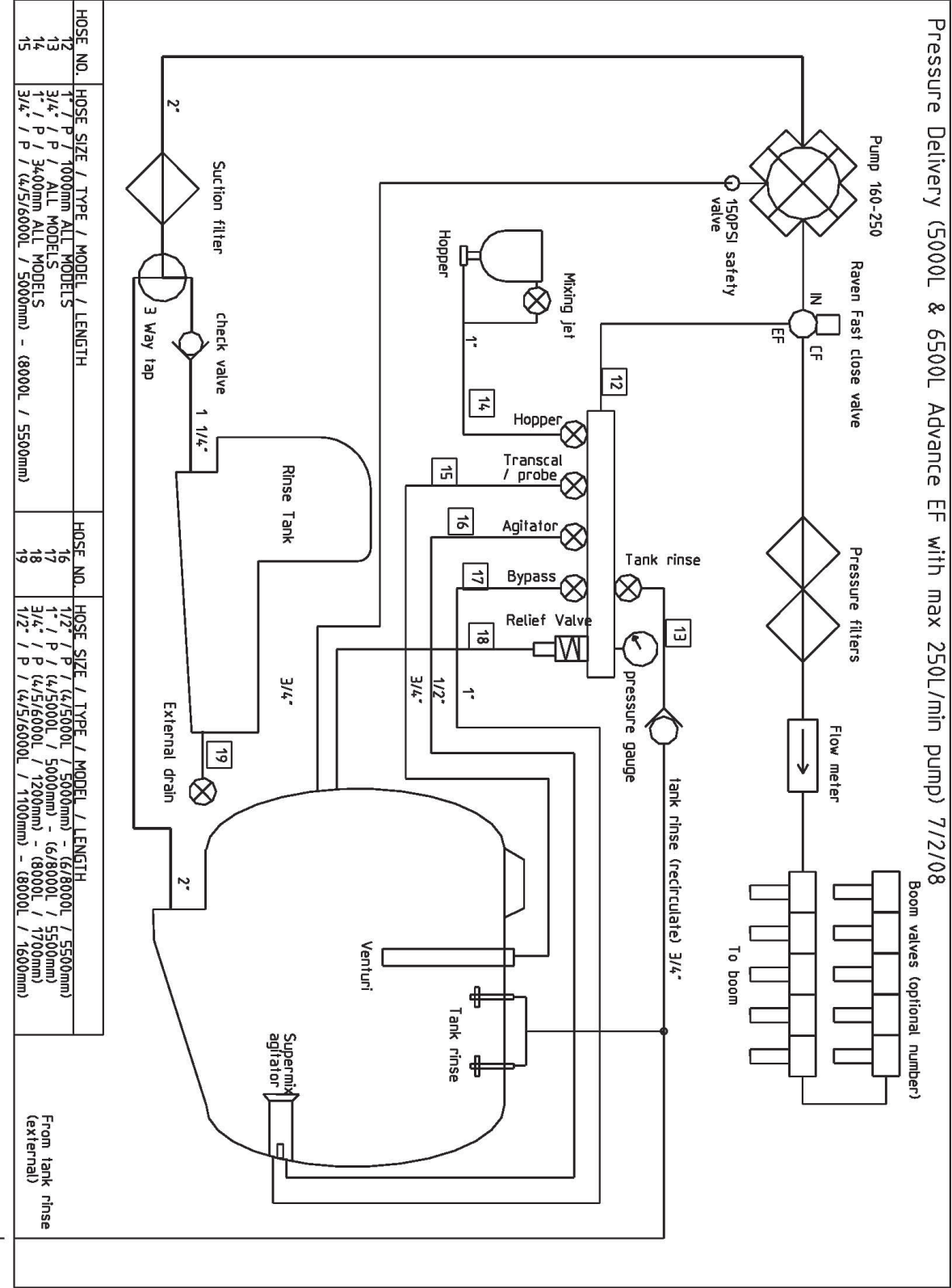


# CHAPTER 16

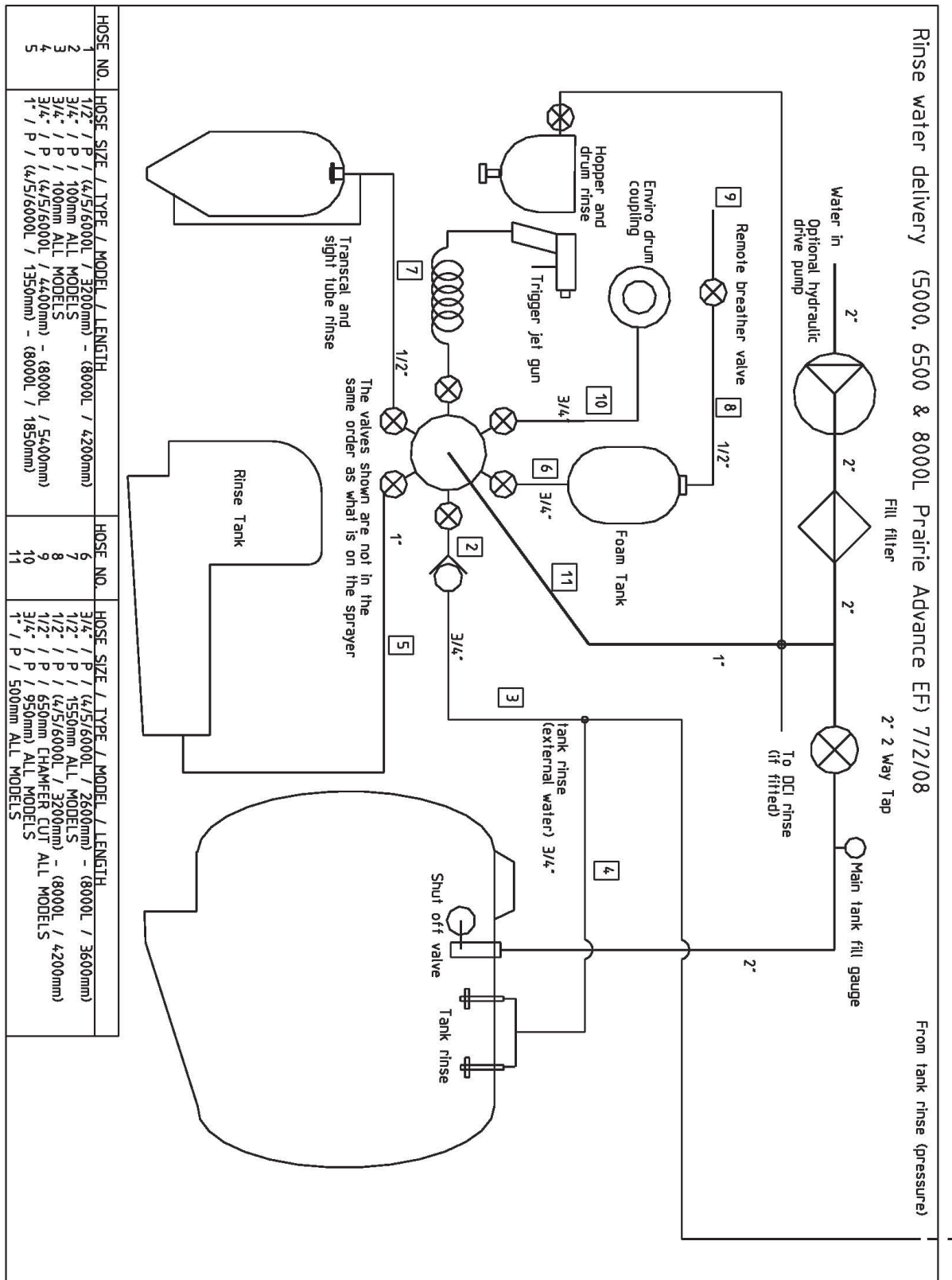
## SCHEMATICS

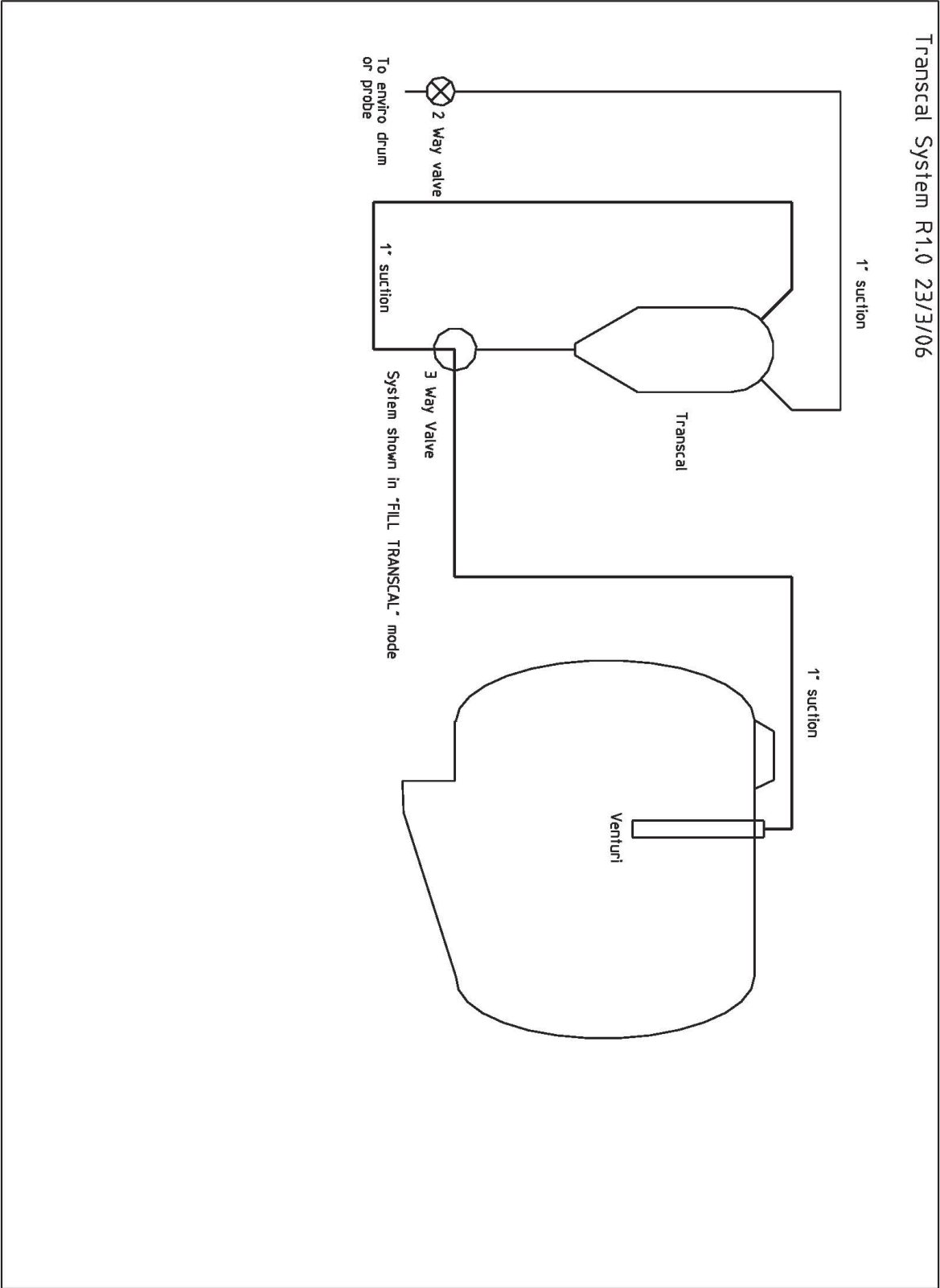


PLUMBING SCHEMATICS



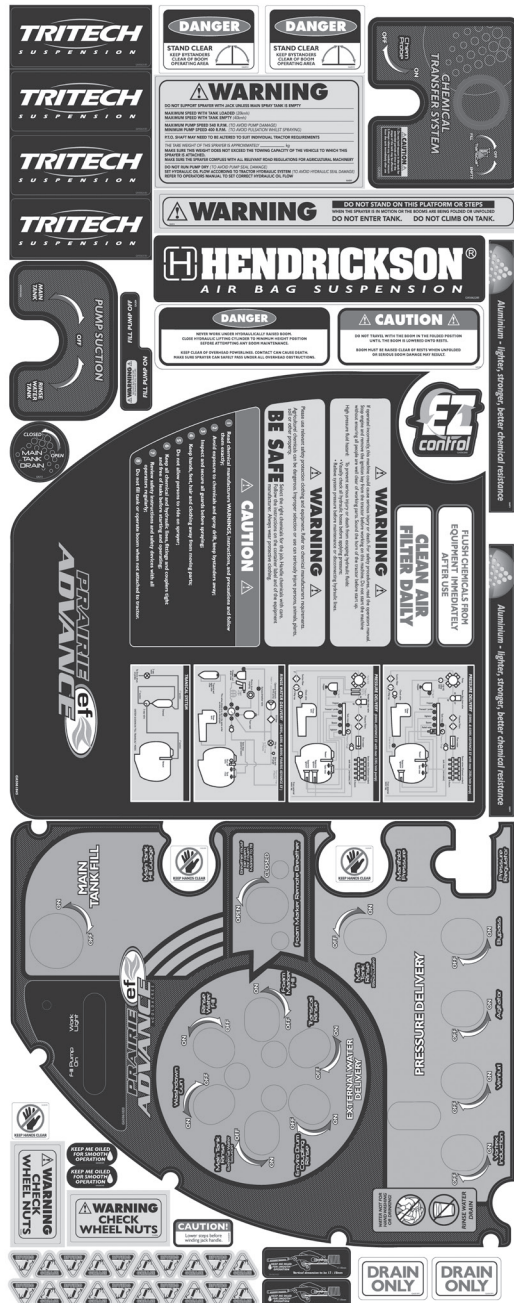






# CHAPTER 17

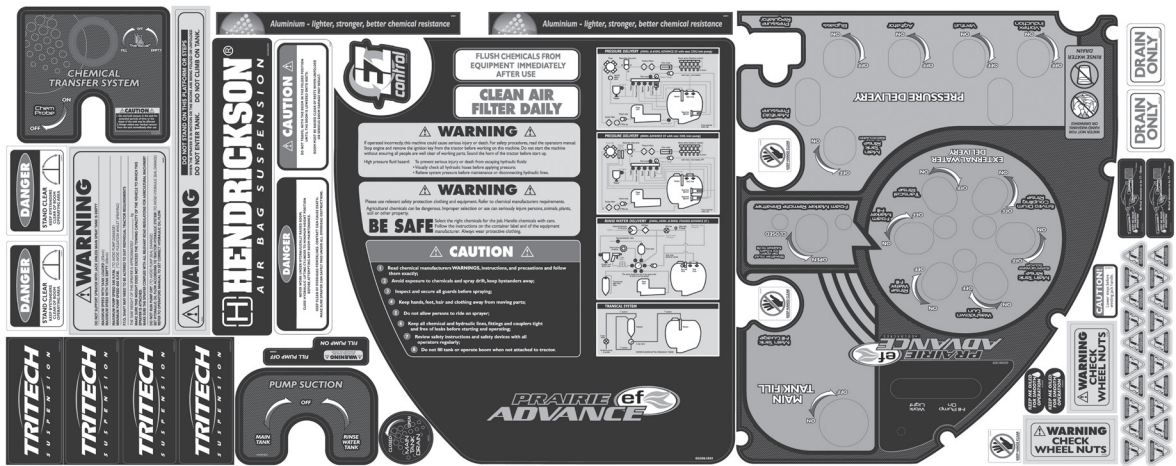
## DECALS



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Steering Warning Decal . . . . .	17-18
Decal Placement List. . . . .	17-19

Note: Some decals within this section may not be fitted to all sprayers depending on sprayer specifications.

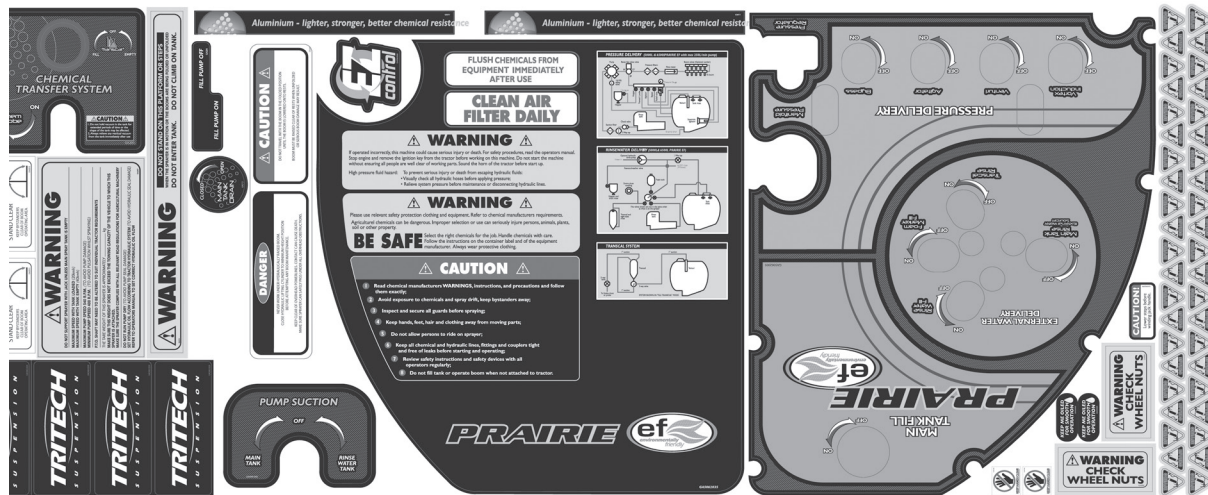
PRAIRIE ADVANCE EF DECALS KITS



Part No	Description
GA5020086	Complete Decal Kit for
	Prairie Advance EF



## PRAIRIE EF DECAL KITS



Part No	Description
GA5020087	Complete Decal Kit for
	Prairie EF





MAIN TANK DECALS



Item	Part No	Description	Quantity
A	GA5062345	Advance EF Tank Decal	2
B	GA5062350	Prairie EF Tank Decal	2

WHEEL NUT WARNING DECAL



Part No	Description	Quantity
GA5017555	Wheel Nut Warning Decal	2



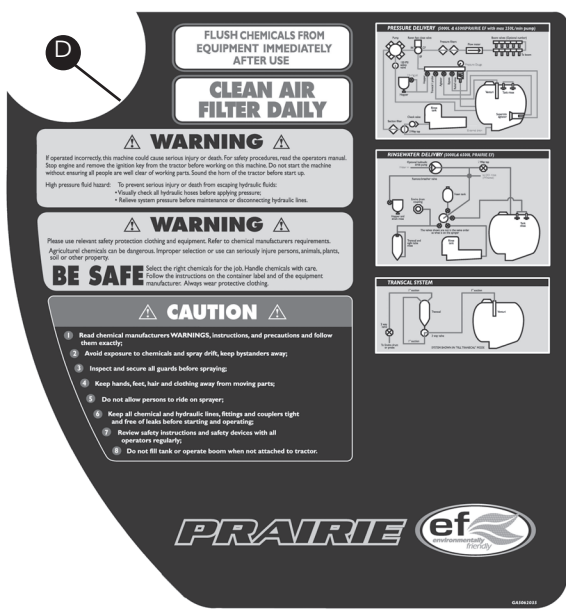
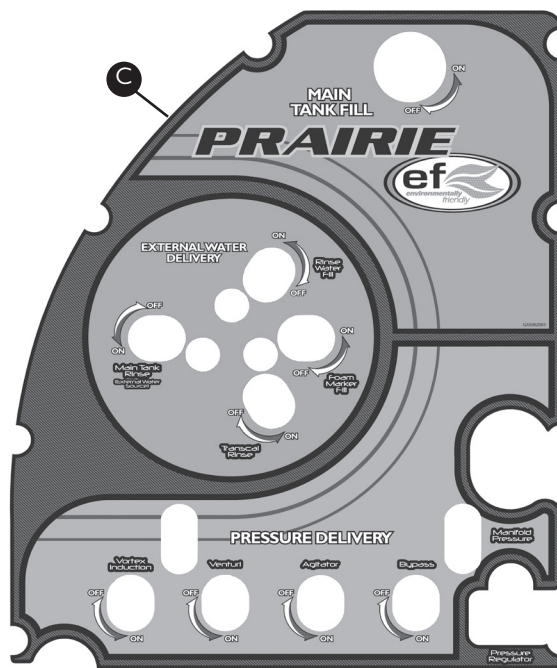
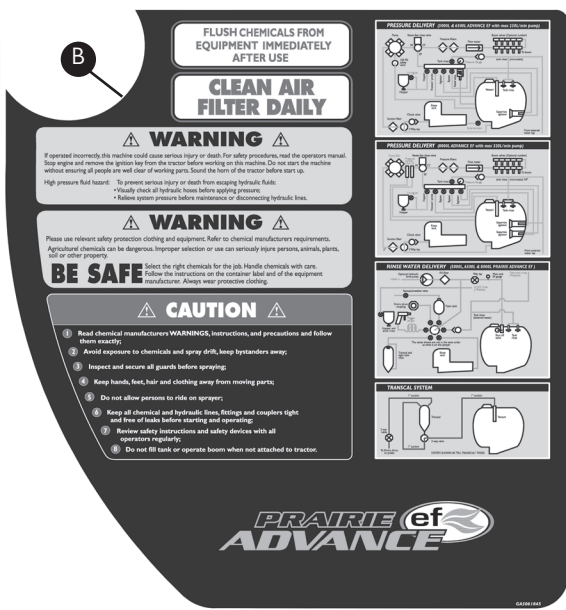
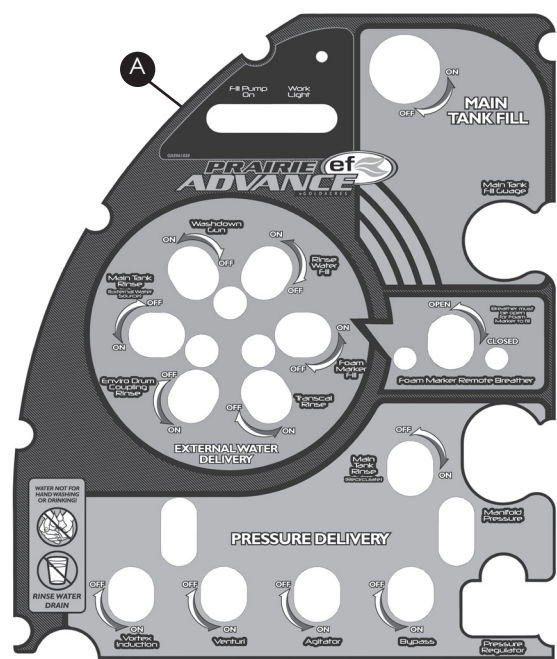
## POD DOOR DECALS



Item	Part No	Description	Quantity
A	GA5061830	Advance EF Left Pod	
		Door Decal	1
B	GA5061825	Advance EF Right Pod	
		Door Decal	1

Item	Part No	Description	Quantity
C	GA5062020	Prairie EF Left Pod	
		Door Decal	1
D	GA5062015	Prairie EF Right Pod	
		Door Decal	1

LEFT POD INTERNAL DECALS



Item	Part No	Description	Quantity
A	GA5061820	Advance EF Right Pod Internal	
		Decal	1
B	GA5061845	Advance EF Right Pod Internal	
		Door Decal	1

Item	Part No	Description	Quantity
C	GA5062005	Prairie EF Right Pod Internal	
		Decal	1
D	GA5062035	Prairie EF Right Pod Internal	
		Door Decal	1

## AIRBAG SUSPENSION DECALS

---



Part No	Description	Quantity
GA5062285	Airbag Suspension Decal	1

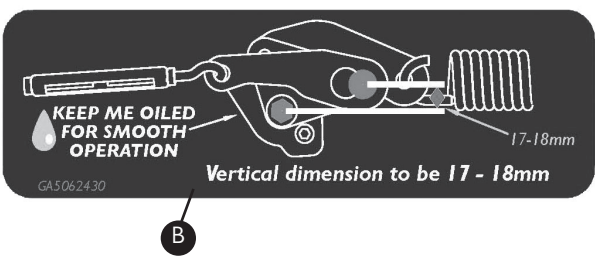
## TRITECH SHOCK ABSORBER DECALS

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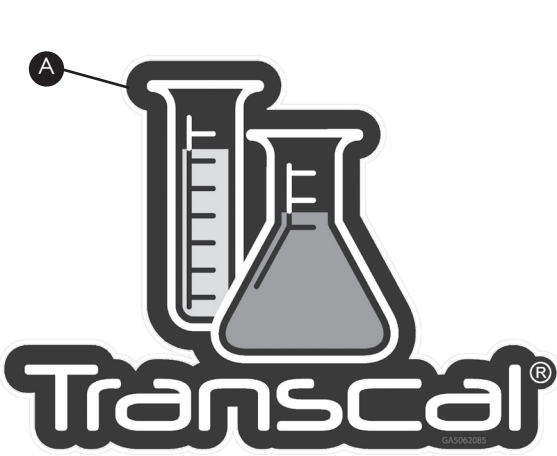
Part No	Description	Quantity
GA5052330	Tritech Shock Absorber	
	Decal	4

BREAKAWAY END DECALS



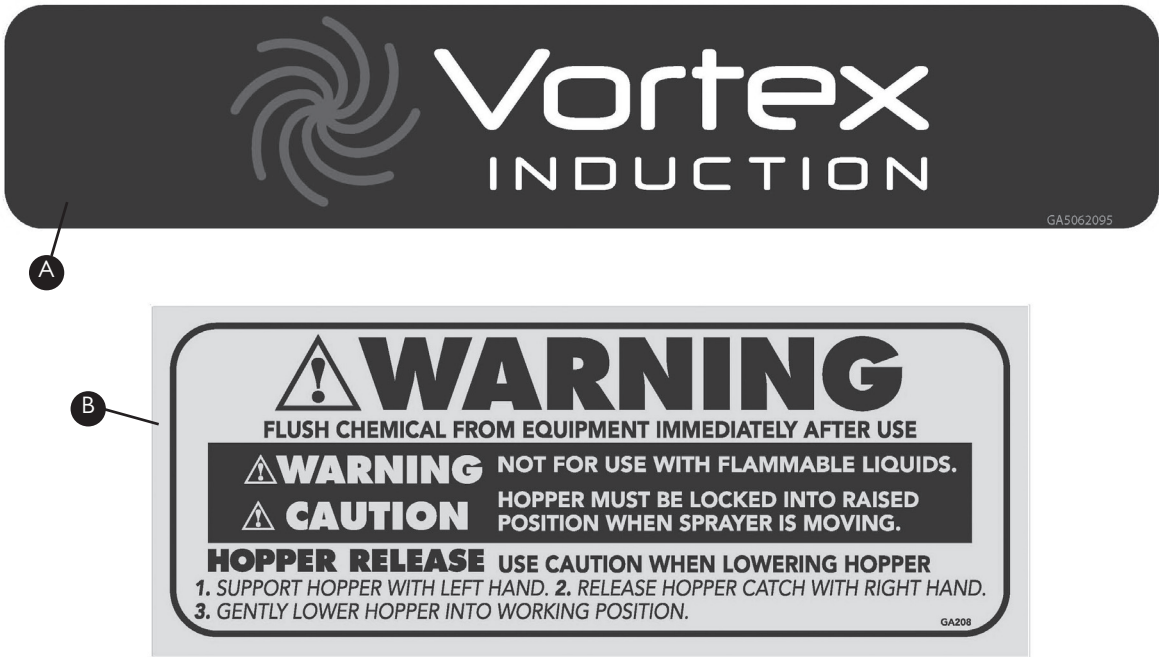
Item	Part No	Description	Quantity
A	GA5060580	Keep me Oiled Decal	2
B	GA5062430	Breakaway Picture Decal	2

TRANSCAL DECALS



Item	Part No	Description	Quantity
A	GA5062085	Transcal Tank Decal	1
B	GA5060690	Transcal Station Decal	1

# INDUCTION HOPPER DECALS



Item	Part No	Description	Quantity
A	GA5062095	Main Hopper Decal	1
B	GA5062100	Hopper Warning Decal	1

# ALUMINIUM BOOM DECALS



Part No	Description	Quantity
GA5005385	Aluminium Boom Decal	2

## KEEP HANDS CLEAR DECAL

---

Part No	Description	Quantity
GA5015991	Keep Hands Clear Decal	1



## GREASE POINT DECAL

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Part No	Description	Quantity
GA222	Grease Point Decal	20



## DRAIN ONLY DECAL

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Part No	Description	Quantity
GA5015971	Drain Only Decal	2





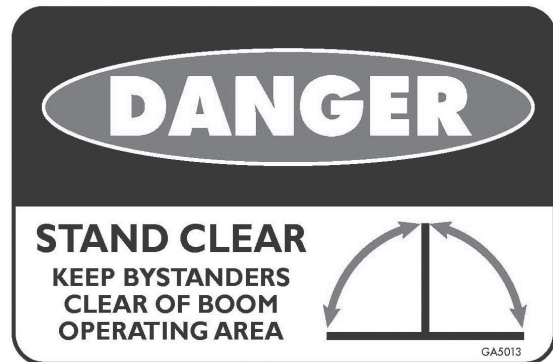
## EZ CONTROL DECAL

Part No	Description	Quantity
GA5062060	EZ Control Decal	1



## STAND CLEAR OF BOOM DECAL

Part No	Description	Quantity
GA5007639	Stand Clear Decal	2



## JACK CAUTION DECAL

Part No	Description	Quantity
GA5062090	Jack Caution Decal	1

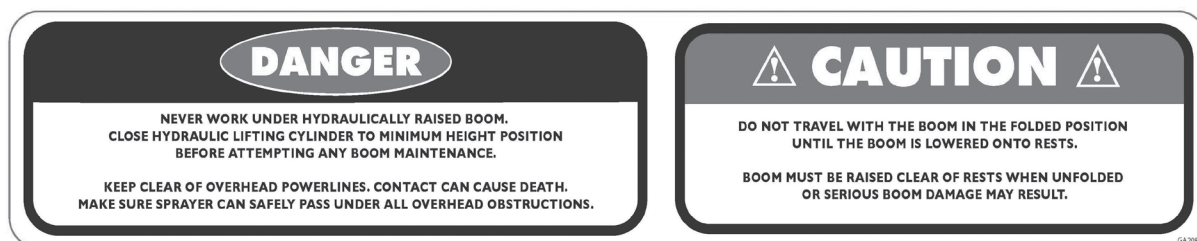


## REMOTE TANK DRAIN DECAL

Part No	Description	Quantity
GA5061990	Remote Tank Drain Decal	1

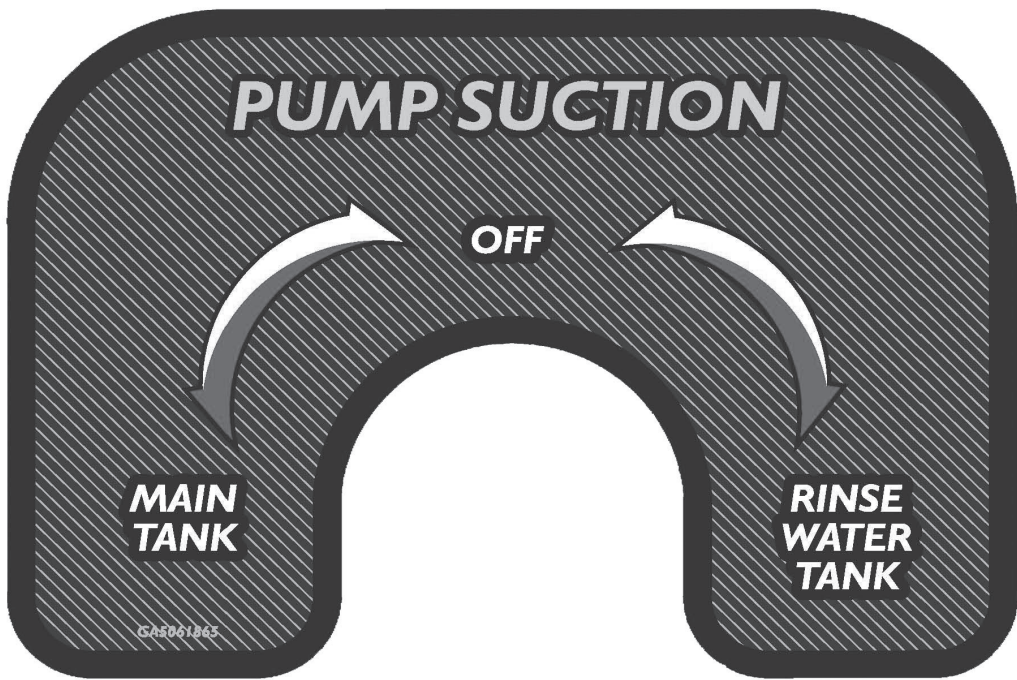


## BOOM DANGER DECAL



Part No	Description	Quantity
GA209	Boom Danger Decal	1

PUMP SUCTION DECAL



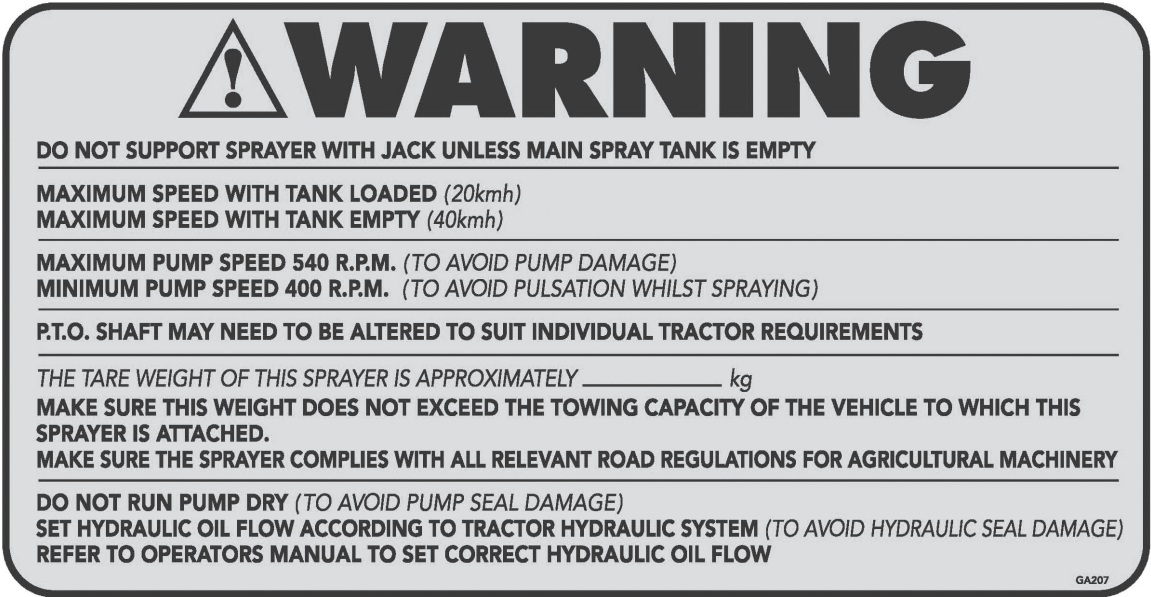
Part No	Description	Quantity
GA5061865	Pump Suction Decal	1

SPRAYER STEPS DECAL



Part No	Description	Quantity
GA210	Do Not Enter Tank Decal	1

MAIN SPRAYER DECAL



Part No	Description	Quantity
GA270	Main Sprayer Decal	1

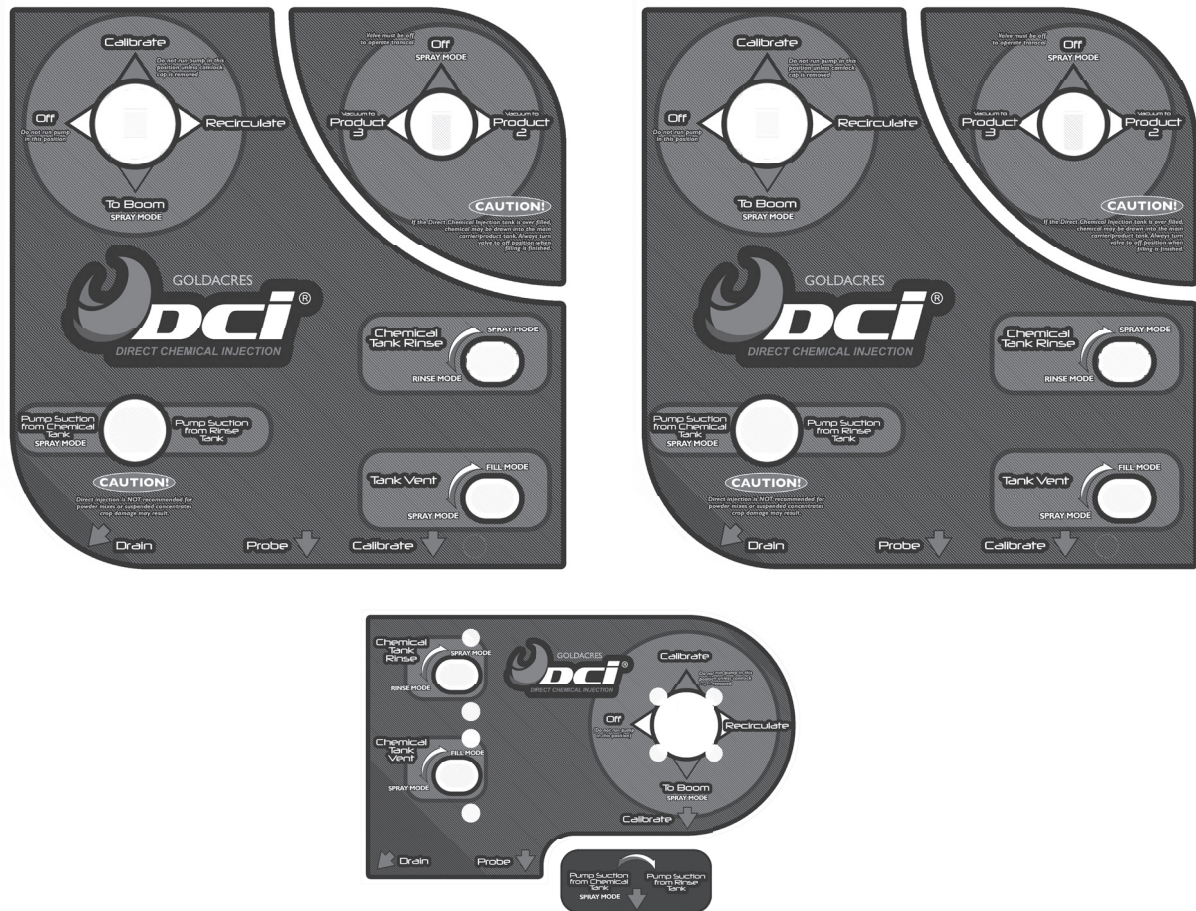
FILL PUMP DECAL



Part No	Description	Quantity
GA204	Fill Pump Decal	1



## DCI DECAL KIT



Part No	Description	Quantity
GA5060625	DCI Decal Kit	1

# FOAM MARKER LID DECAL

---



Part No	Description	Quantity
GA5062470	Foam Marker Lid Decal	1

# FLUSH WATER LID DECAL

---



Part No	Description	Quantity
GA5062475	Flush Water Only Decal	1



## HAND WASH BOTTLE DECAL

---



Part No	Description	Quantity
GA5062480	Hand Wash Only Decal	1

## FOAM MARKER CONCENTRATE DECAL

---



Part No	Description	Quantity
GA5062485	Foam Concentrate Decal	1

## STEERING WARNING DECAL

---

Part No	Description	Quantity
GA5062456	Steering Crushing Decal	4



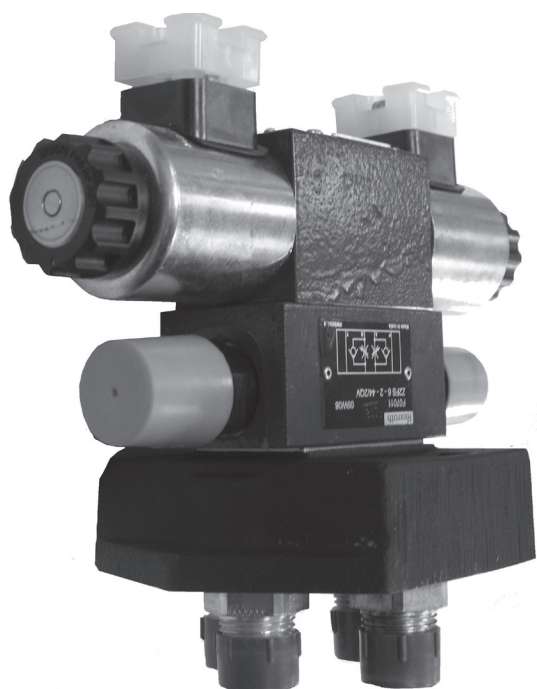
## DECAL PLACEMENT LIST

Part No	Position on Sprayer
GA5062345	On the side of the main tank
GA5062350	On the side of the main tank
GA5017555	On the outside face of both wheels
GA5061820	On the outside of the left pod door
GA5061845	On the outside of the right pod door
GA5062005	On the outside of the left pod door
GA5062035	On the outside of the right pod door
GA5061820	On the sprayer control panel inside the left pod door
GA5061845	On the inside of the left pod door
GA5062005	On the sprayer control panel inside the left pod door
GA5062035	On the inside of the left pod door
GA5062285	On the back side of the axle
GA5052330	On the shock absorber located at the back of the boom centre section
GA5060580	On the rear face of the boom breakaway mechanism
GA5062430	On the boom below the boom breakaway mechanism
GA5062085	On the Transcal tank
GA5060690	On the Transcal chemical probe station
GA5062095	On the front of the induction hopper lid
GA5062100	On the main chassis rail to the right of the induction hopper
GA5005385	On the upper edge of the aluminium boom section
GA5015991	On the upper paralift arm; on the cable drum
GA222	On the outside face of the jack; On the jack next to the handle; On all paralift pivot points; On both ends of the hydraulic boom fold cylinders; On all Trittech boom suspension components
GA5015971	On the main chassis rail in front of the left wheel; On the outside of the left pod door next to the drain tap
GA5062060	On the left pod above the sprayer control station
GA5007639	On the boom tilt arms
GA5062090	On the top of the jack
GA5061990	On the left pod next to the remote tank drain handle
GA209	On the rear of the main chassis
GA5061865	On the fill pump station located at the rear of the left pod
GA210	On the chassis at the bottom of the steps at the front of the main tank
GA270	On the top of the pull directly behind the towing eye
GA204	On the fill pump station behind the fill pump hydraulic tap
GA5060625	On the DCI units
GA5062470	On the lid of the foam marker water tank lid
GA5062475	On the top of the 400L flush water tank
GA5062480	On the hand wash container
GA5062485	On the foam marker concentrate tank mounting bracket
GA5062456	On the chassis rail either side of the wheels on machines with smart steer



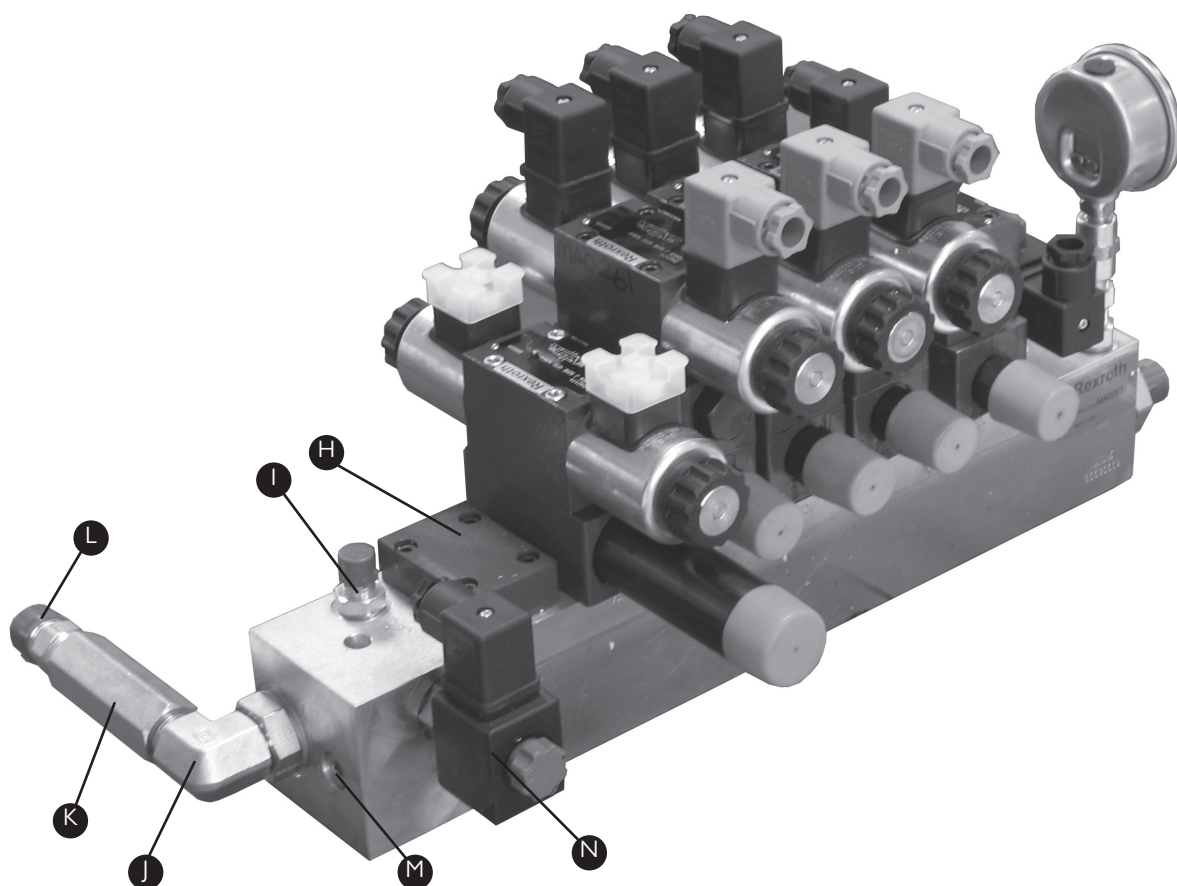
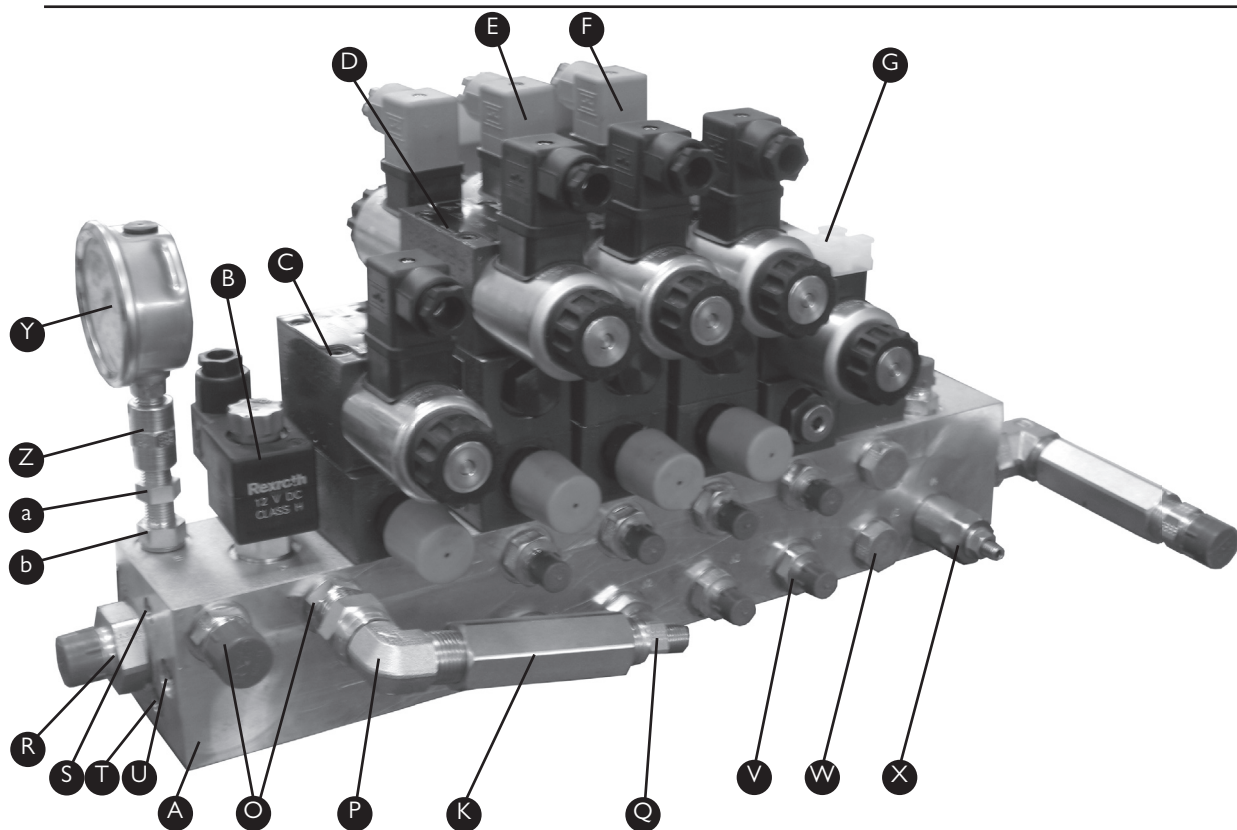
# CHAPTER 18

## HYDRAULICS



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## SPOOL VALVE BLOCK





## SPOOL VALVE BLOCK

Item	Part No	Description	Quantity	Item	Part No	Description	Quantity
A	GA5047500	Spool Valve Block	1	O	GA3500309	1/2"BSPT - 3/8"BSPP Straight	
B	GA5047341 <sup>#5</sup>	Lift Down Controller	1			Hydraulic Nipple <sup>#1</sup>	2
C		Lift Up Hydraulic Stack	1	P	GA3500333	1/2"BSPT - 1/2"BSPP Swivel	
D	GA5047652	Boom Fold Hydraulic Stack	1			90° Hydraulic Elbow	1
E	GA5047652	Tilt Right Hydraulic Stack	1	Q	GA3500221	1/2"BSPT - 1/4"BSPT Straight	
F	GA5047652	Tilt Left Hydraulic Stack	1			Hydraulic Nipple	1
G	GA5047654	Bi-Fold Hydraulic Stack	1	R	GA3500312	1/2"BSPT - 3/4"BSPP Straight	
H		Hydraulic Stack Blank*	1			Hydraulic Nipple <sup>#1</sup>	1
I-1	GA3500306	1/4"BSPT - 1/4"BSPP Straight		S			
		Hydraulic Nipple <sup>#1#2</sup>	1	T			
	GA3500299	1/4"BSPP Hydraulic Plug <sup>#1#2</sup>	1	U			
I-2	GA5047629	0.6mm Load Sense Orifice <sup>#3</sup>	1	V	GA3500307	1/4"BSPT - 3/8"BSPP Straight	
J	GA3500324	1/2"BSPT - 3/4"BSPP 90°				Hydraulic Nipple <sup>#1</sup>	8
		Hydraulic Elbow <sup>#1</sup>	1	W	GA3500300	3/8"BSPP Hydraulic Plug <sup>#1</sup>	2
K	GA5007060	1/2" Hydraulic Check Valve	1	X	GA5047645 <sup>#4</sup>	Pressure Relief Valve	1
L	GA3500223	1/2"BSPT - 1/2"BSPT Straight		Y	GA5013423	3500PSI Pressure Gauge	1
		Hydraulic Nipple	1	Z	GA3500211	1/4"BSPT Female Socket	1
M				a	35B-04	1/4"BSPP Lock Nut	1
N	GA5047646 <sup>#6</sup>	Open Centre Solenoid	1	b	GA3500249	1/4"BSPP Straight Hydraulic	
	GA5047647 <sup>#7</sup>	Closed Centre Solenoid	1			Nipple <sup>#</sup>	1

\* A blanking cap is shown in the picture, but this is the port used if the sprayer has steering. If so this cap is replaced the Steering Hydraulic Stack.

<sup>#1</sup> This fitting is supplied with o-ring and retaining washer, but these parts can be purchased separately. For these parts refer to page 18-4.

<sup>#2</sup> Nipple is fitted to closed centre models and plug is fitted to open centre models.

<sup>#3</sup> Not Fitted on open centre models.

<sup>#4</sup> This part Number used from 3/3/08 on, GA5047597 was used previously.

<sup>#5</sup> This part Number used from 17/6/08 on, GA5047540 was used previously.

<sup>#6</sup> This part Number used from 3/3/08 on, GA5047596 was used previously.

<sup>#7</sup> This part Number used from 3/3/08 on, GA5006941 was used previously.

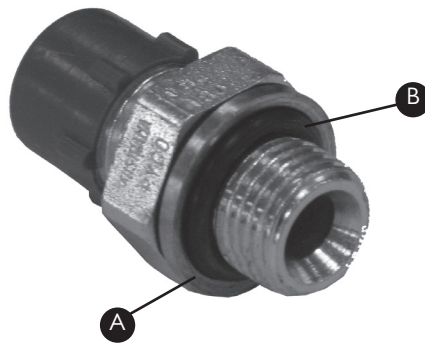
## COMPLETE SPOOL VALVE UNITS

Part No	Description
GA5047683	Manifold Assembly, Closed Centre, Lift-Fold-Tilts-Bi Fold-Unloader
GA5047684	Manifold Assembly, Closed Centre, Lift-Fold-Tilts-2 Blanks-Unloader
GA5047685	Manifold Assembly, Open Centre, Lift-Fold-Tilt-2 Blanks-Unloader
GA5047686	Manifold Assembly, Closed Centre, Lift-Fold-4 Blanks-Unloader
GA5047687	Manifold Assembly, Closed Centre, Lift-Fold-Bi Fold-3 Blanks-Unloader

Note: Complete Spool Valve Units come with all hydraulic stacks listed but no fittings in the block.

## HYDRAULIC O-RINGS AND RETAINING WASHERS

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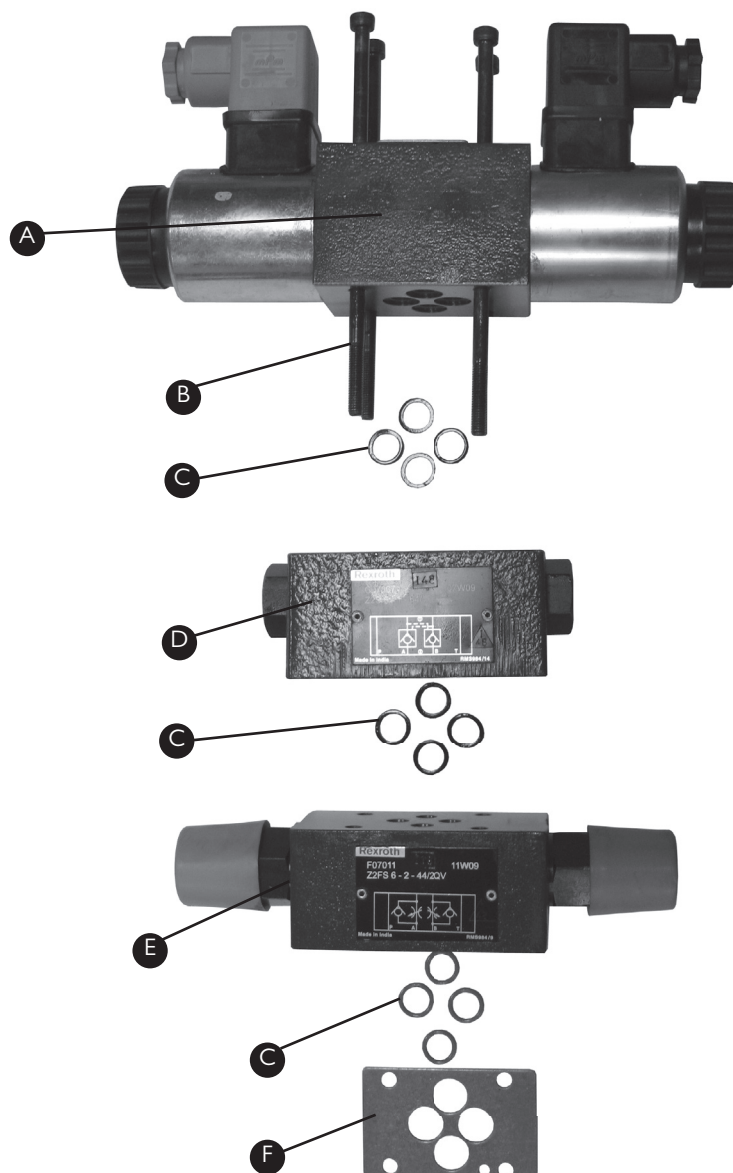


Item	Part No	Description
A	GA5076889	1/4" Retaining Washer
	GA5076890	3/8" Retaining Washer
	GA5076891	1/2" Retaining Washer
	GA5076892	3/4" Retaining Washer

Item	Part No	Description
B	GA5078119	1/4" Hydraulic O-ring
	GA5078120	3/8" Hydraulic O-ring
	GA5078121	1/2" Hydraulic O-ring
	GA5078122	3/4" Hydraulic O-ring

Note: O-rings are only sold in packs of 10.

## FOLD & TILT HYDRAULIC STACKS



Stack Assembly Part No: GA5047652

Item	Part No	Description	Quantity
A	GA5017387	12V J-Spool Solenoid*	1
B	GA5048570	M5 x 130 Cap Screw	4
C	GA5047627	Seal Replacement Kit <sup>#1</sup>	3
D	GA5017335	Modular Check Valve*	1
E	GA5047581	Hydraulic Flow Controller*	1
F	GA5047615	O-Ring Retaining Plate	1

\* When purchased these parts come with a seal kit when ordered

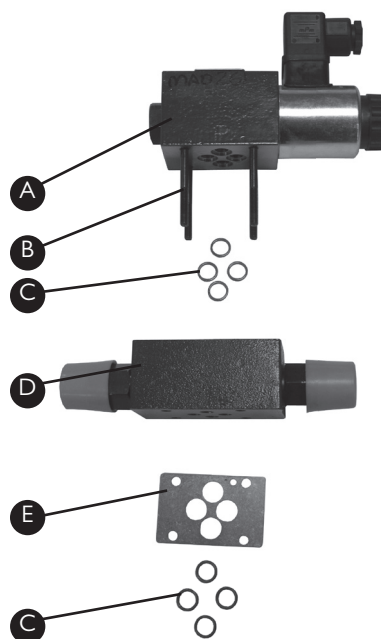
<sup>#1</sup> Kit Contains 4 replacement O-Rings

## LIFT UP HYDRAULIC STACK

Item	Part No	Description	Quantity
A	GA5017387	12V Single Acting J-Spool*	1
B	GA5067050	M5 x 90mm Cap Screw	4
C	GA5047627	Seal Replacement Kit#	2
D	GA5047594	Hydraulic Flow Controller*	1
E	GA5047615	O-Ring Retaining Plate	1

\* When purchased these parts come with a seal kit when ordered

# Kit Contains 4 replacement O-Rings



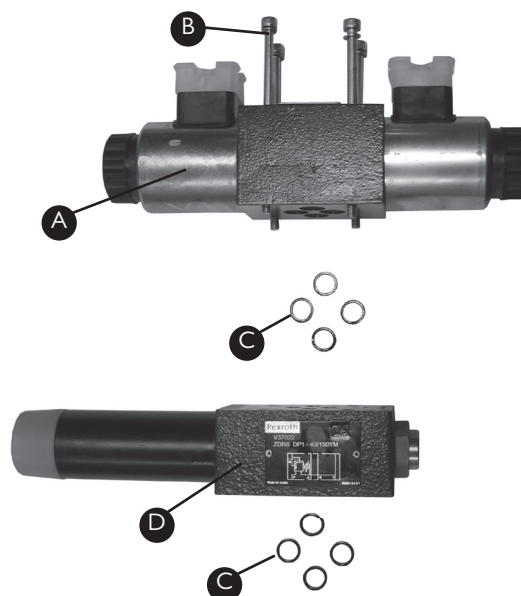
## BI-FOLD HYDRAULIC STACK

Complete Stack Part No: GA5047654

Item	Part No	Description	Quantity
A	GA5017387	12V J-Spool Solenoid*	1
B	GA5067050	M5 x 90mm Cap Screw	1
C	GA5047627	Seal Replacement Kit#	2
D	GA5017373	Pressure Reducing Valve-*	1

\* When purchased these parts come with a seal kit when ordered

# Kit Contains 4 replacement O-Rings

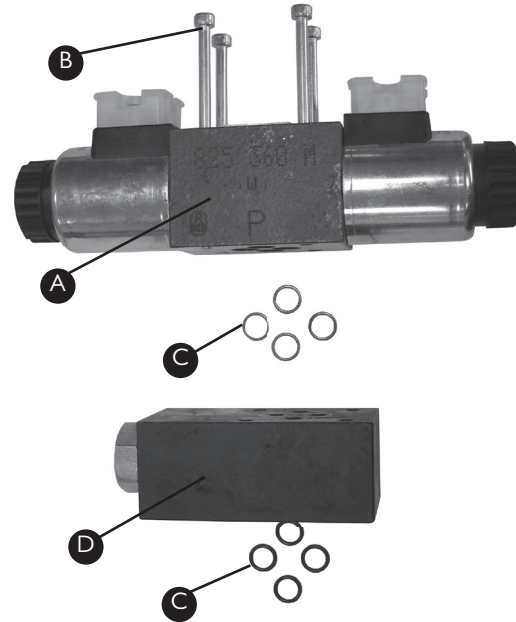


## STEERING HYDRAULIC STACKS

Item	Part No	Description	Quantity
A	GA5047666	All Ports Blocked	
		Proportional Soleniod*	1
B	GA5067050	M5 x 90mm Cap Screw	4
C	GA5047627	Seal Replacement Kit#	2
D	GA5047661	Load Sense Check*	1

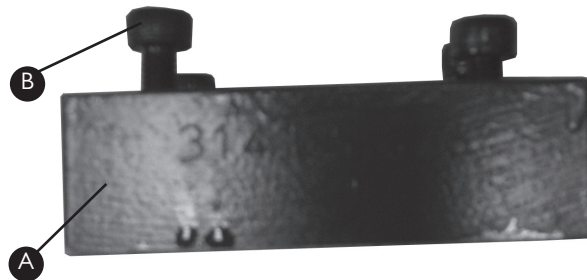
\* Seal kit included.

# Kit Contains 4 replacement O-rings.



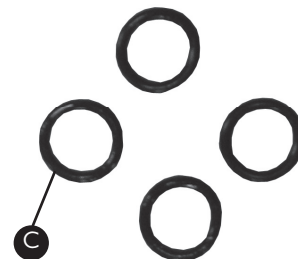
## HYDRAULIC BLANKING CAP

Item	Part No	Description	Quantity
A	GA5047335	Blanking Plate*	1
B	GA5020520	M5 x 20mm Cap Screw	4
C	GA5047627	Seal Replacement Kit#	1

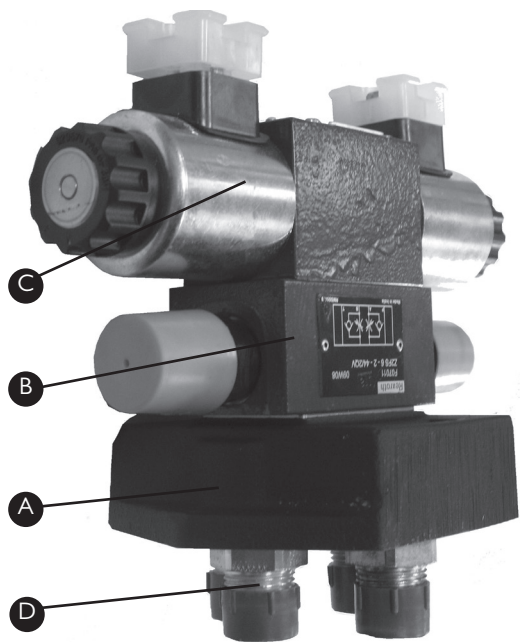


\* When purchased these parts come with a seal kit when ordered

# Kit Contains 4 replacement O-Rings



FILL PUMP SPOOL VALVE

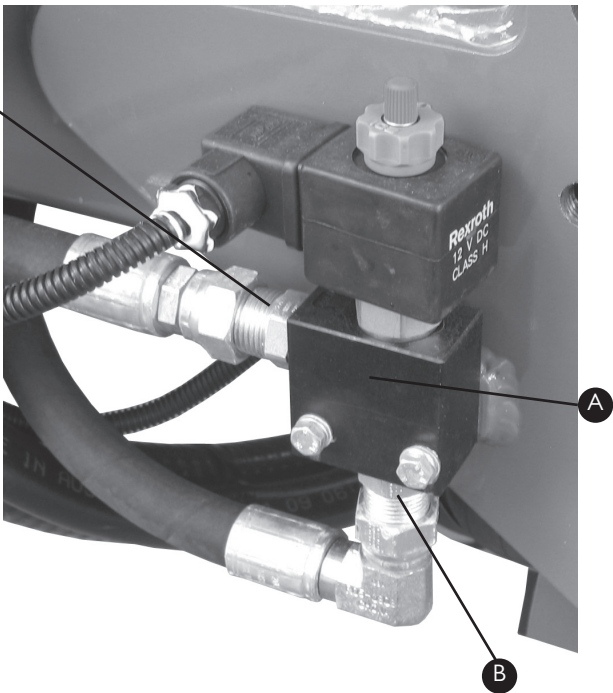


Item	Part No	Description	Quantity
A	GA5016139	Base Plate	1
B	GA5047583	Pressure/Flow Compensating Valve	1
C	GA5017387	C-Top	1
D	GA3500310	Hydraulic Fitting	4

BOOM LOWER CONTROL SOLENOID

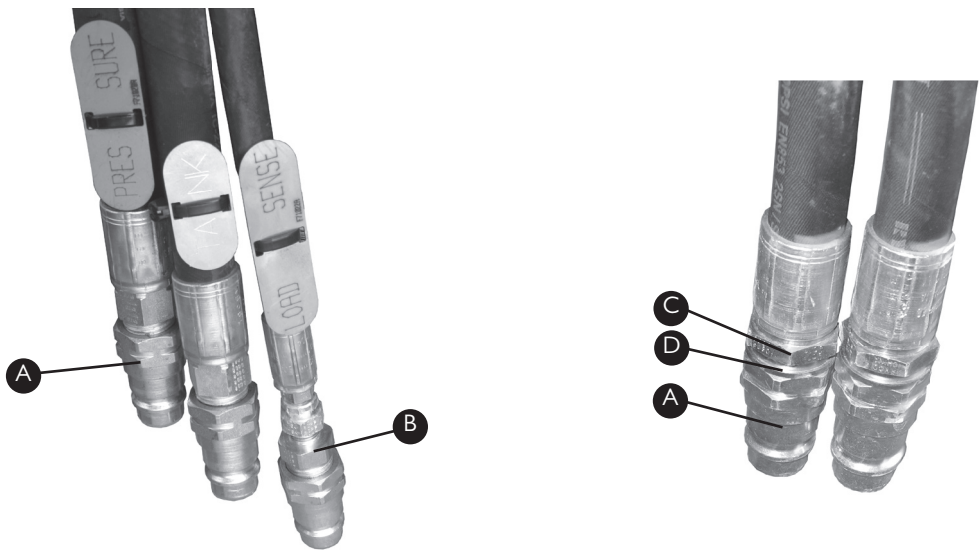
Item	Part No	Description	Quantity
A	GA5047344	Boom Lower Control Solenoid	1
B	GA3500309	3/8" x 1/2" Hydraulic Nipple	

Note: Solenoid can be manually over ridden by turning screw on top of solenoid clockwise.





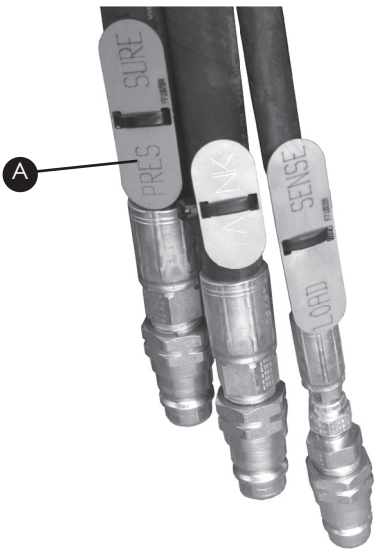
# QUICK RELEASE COUPLINGS



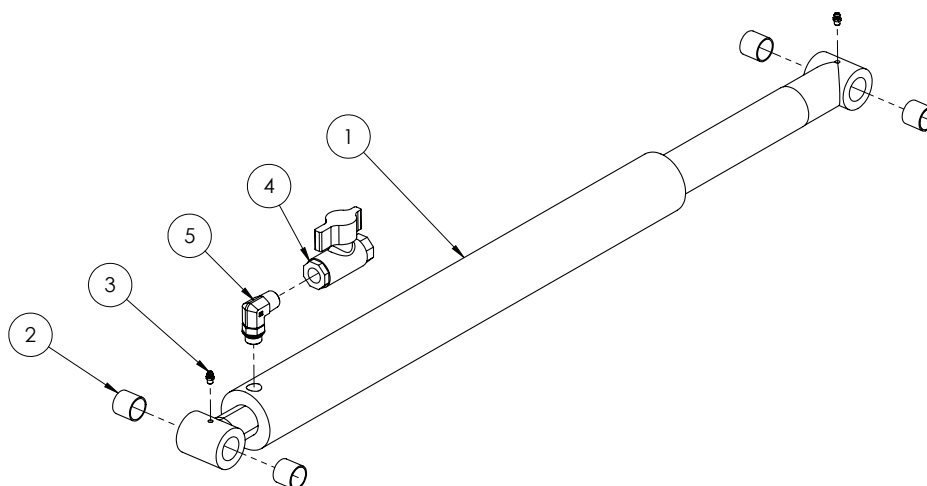
Item	Part No	Description	Quantity
A	GA5078000	1/2"BSPP Female Push/Pull Quick Release Coupling	3
B	GA3500221	1/2"BSPT-1/2"BSPT Straight Hydraulic Nipple	1
C	35B-08	1/2"BSPP Lock Nut	2
D		Refer to page 18-4	

# HOSE ID TAGS

Item	Part No	Description
A	F71020A	Pressure Tag
	F71021A	Tank Tag
	F71022A	Load Sense Tag
	F71023A	Fold In Tag
	F71024A	Fold Out Tag
	F71025A	Raise Lower Tag
	F71026A	Brakes Tag
	F71018A	Bi-Fold In Tag
	F71019A	Bi-Fold Out Tag
	F70134A	Tilt Left Tag
	F70135A	Tilt Right Tag
	TAG-FP	Fill Pump Tag

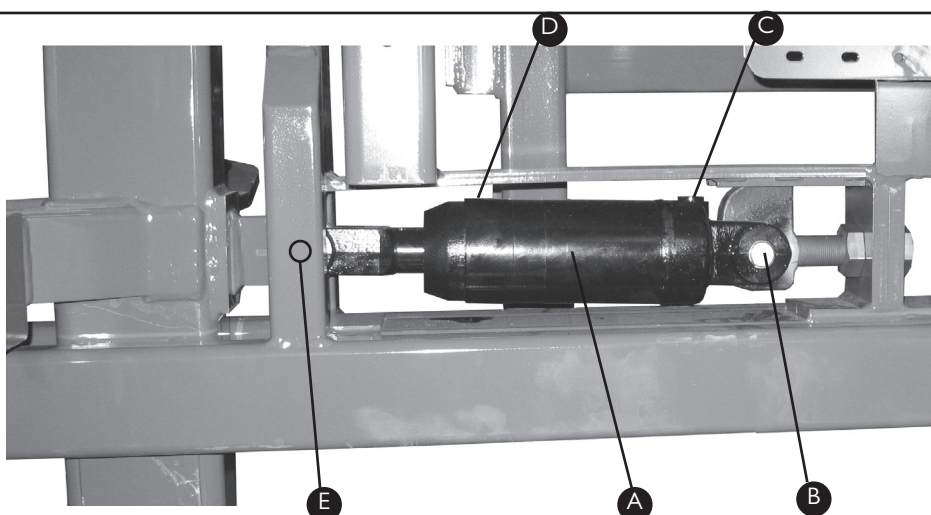


## HYDRAULIC CYLINDER - BOOM LIFT



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	GA5070075	Hydraulic cylinder - 2 1/2" bore, 2" rod, 20" 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

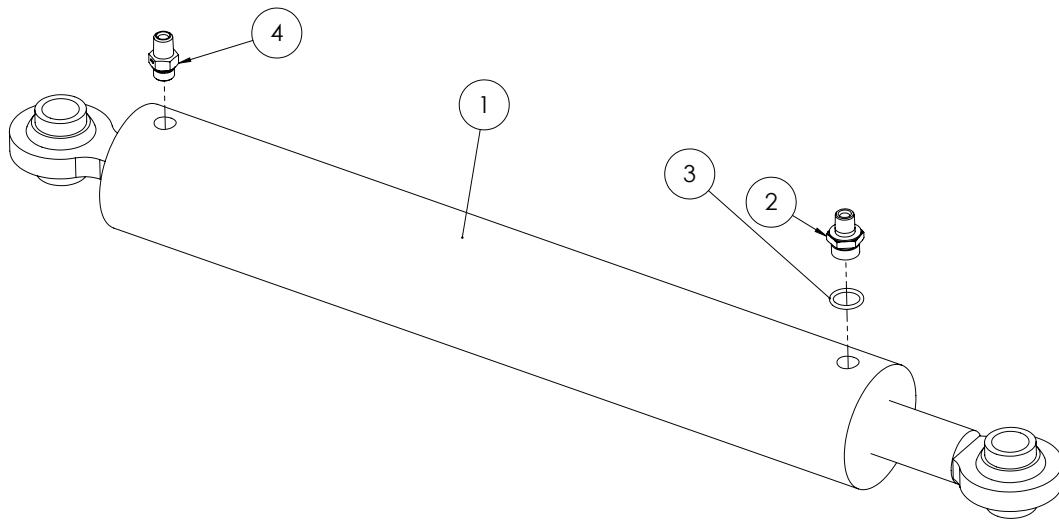
## HYDRAULIC CYLINDER - TILT MK2 & 3



Item	Part No	Description	Quantity
A	GA5018551	Tilt Cylinder 3.5"	2
B	GA4572040	Pin 1" x 84mm	4
C-1	GA3500359	Hydraulic adaptor, Nipple	2
D-1	GA5078121	O-ring	2

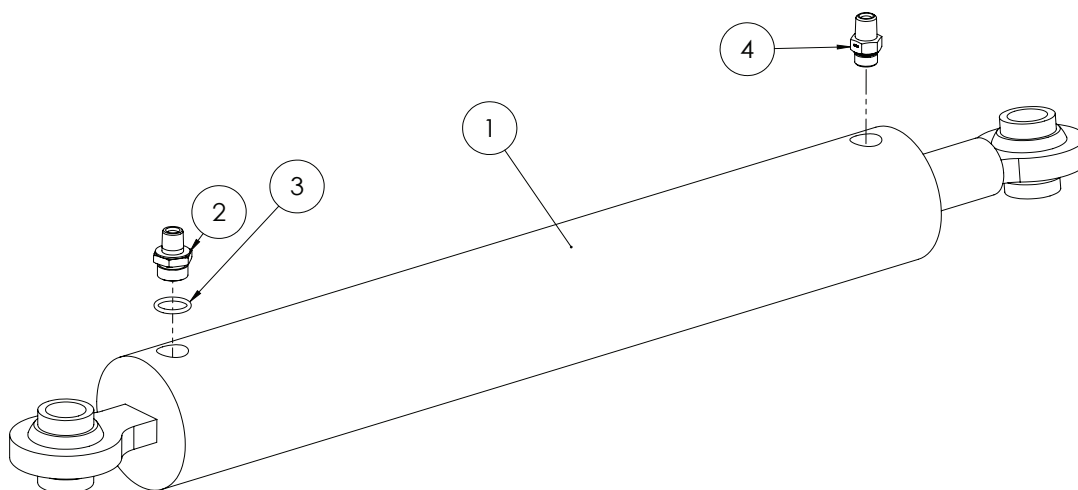
Item	Part No	Description	Quantity
D-2	L068A	Reducing restrictor, Nipple	2
E-1	L001A	Pin 1" x 98mm	2
E-2	GA5001223	Circlip, E-Type 19mm	2

## HYDRAULIC CYLINDER - DELTA FOLD RH



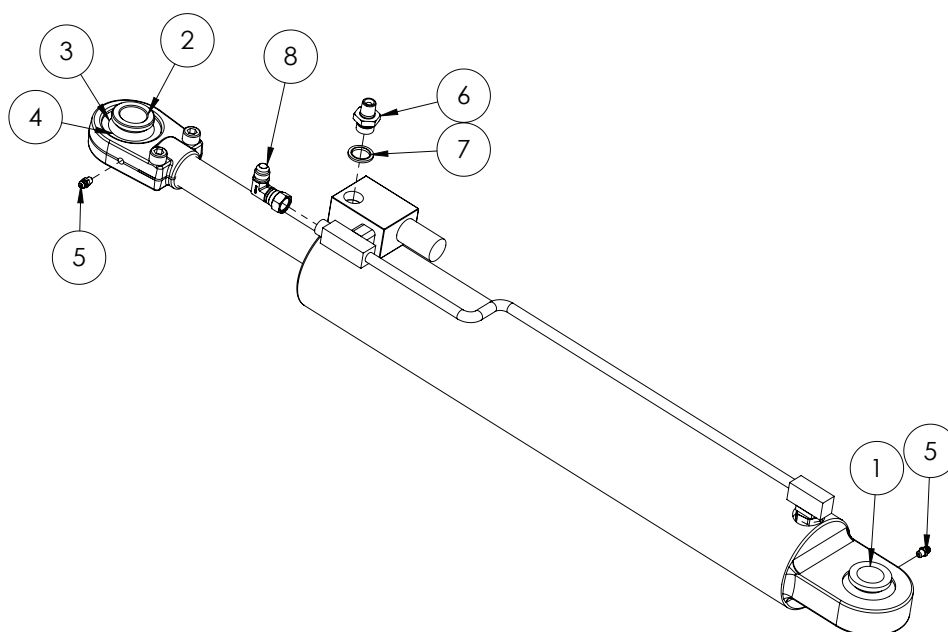
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018555	Hydraulic cylinder SLPSP (TLD) 2 1/2" bore x 1 1/8" rod x 18" Stroke	1
2	L068A	Reducing restrictor nipple, 3/4" UNO x 1/4" BSPT, 1.5mm orifice	1
3	GA5078121	O-Ring BSPP 1/2"	1
4	GA3500359	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/4" UN male O-ring	1
-	GA5020730	Seal Kit SKSLP 2 1/2" bore x 1 1/8" rod, suit GA5018555	-

## HYDRAULIC CYLINDER - DELTA FOLD LH



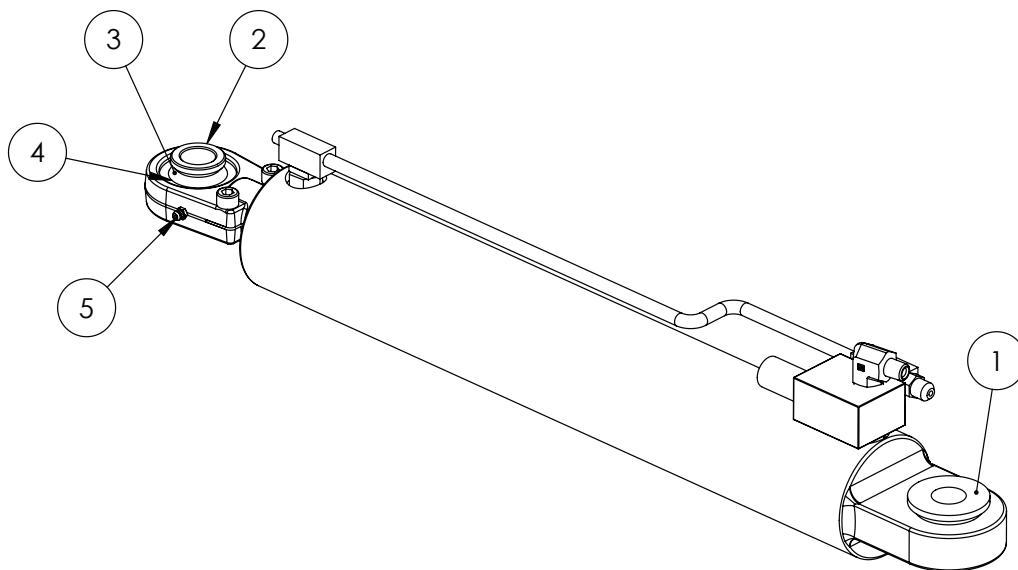
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GA5018557	Hydraulic Cylinder SLPSP 2 3/4" bore x 1 1/8" rod x 18" stroke	1
2	L068A	Reducing restrictor nipple, 3/4" UNO x 1/4" BSPT, 1.5mm orifice	1
3	GA5078121	O-Ring BSPP 1/2"	1
4	GA3500359	Hydraulic adaptor, Nipple, 1/4" BSPT male x 3/4" UN male O-ring	1
-	GA5051630	Seal kit SLMSP 2 3/4" bore x 1 1/8" rod, suit GA5018557	-

## HYDRAULIC CYLINDER - TRITECH FOLD RH



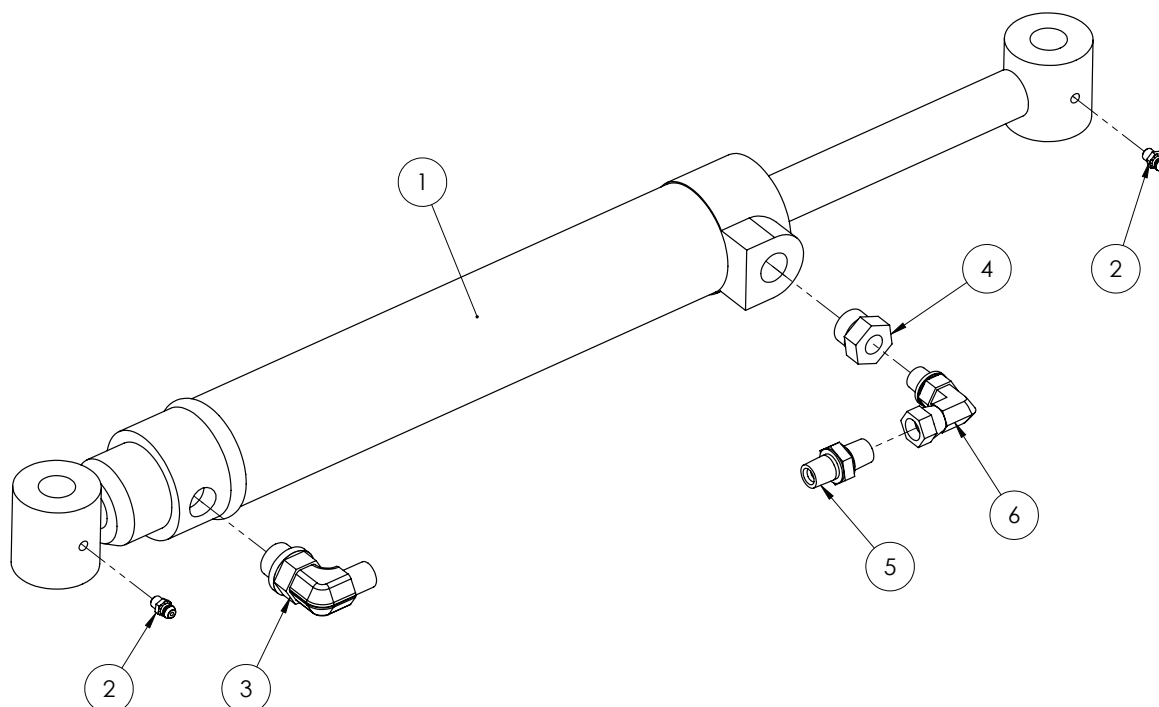
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5018538	Hydraulic cylinder, 3" bore x 1 1/4" rod x 18" stroke (with external phasing valve)	-
-	GA5052680	Seal Kit, suit 3" bore x 1 1/4" rod, suit GA5018538	-
-	GA3500098	Rod, suit Hydraulic Fold Cylinder GA5018538	-
-	GA5071245	Phasing Block Assembly, with pipe, Fold Cylinder	-
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
6	GA4572545	Restrictor Nipple, 1/4" BSPT to 3/8" UNO 1.5mm orifice	1
7	GA3500005	Hydraulic Seal, Bonded, 3/8", RL21, BSPP	1
8	GA3500002	Hydraulic Coupling, Elbow, 90 Degree, 9/16" male JIC, 9/16" Female Swivel JIC	1

## HYDRAULIC CYLINDER - TRITECH FOLD LH



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
-	GA5018542	Hydraulic Cylinder, External phasing, 3 1/4" bore x 1 1/4" rod x 18" stroke	-
-	GA5052685	Seal Kit, suit 3 1/4 " bore x 1 1/4" rod, suit GA5018542	-
-	GA5071245	Phasing Block Assembly, with pipe, Fold Cylinder, 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 HOSES

### Sprayers with Spool Valves

Part No	Description
GA5067890	1/2" Hydraulic Hose, Tractor to tee under right hand pod (can be used for pressure or tank)
GA5067906	1/2" Hydraulic Hose, Tee to Spool Block, Tank Line (6500L)
GA5067907	1/2" Hydraulic Hose, Tee to Spool Block, Pressure Line (6500L)
GA5067905	1/2" Hydraulic Hose, Tee to Spool Block, Tank Line (4-5000L)
GA5067892	1/2" Hydraulic Hose, Tee to Spool Block, Pressure Line (4-5000L)
GA5067891	1/4" Hydraulic Hose, Tractor to Spool Block, Load Sense Line (6500L)
GA5067893	1/4" Hydraulic Hose, Tractor to Spool Block, Load Sense Line (4-5000L)
GA5067899	1/2" Hydraulic Hose, Spool Block to Lift Accumulators
GA5067898	1/2" Hydraulic Hose, Lift Accumulators to Lift Cylinders
GA5067900	1/4" Hydraulic Hose, Spool Block to Right Fold Cylinder
GA5067901	1/4" Hydraulic Hose, Spool Block to Left Fold Cylinder
GA5067902	1/4" Hydraulic Hose, Cross Link between Left & Right Fold Cylinders

### Sprayers without Spool Valves

Part No	Description
GA5067886	1/2" Hydraulic Hose, Tractor to Lift Limit Switch
GA5067887	1/2" Hydraulic Hose, Lift Limit Switch to Lift Accumulators
GA5067898	1/2" Hydraulic Hose, Lift Accumulators to Lift Cylinders
GA5067230	1/4" Hydraulic Hose, Tractor to Fold Cylinders
GA5067902	1/4" Hydraulic Hose, Cross Link between Left & Right Fold Cylinders

### Fill Pump with Spool Valve

Part No	Description
GA5067910	1/2" Hydraulic Hose, Fill Pump Spool Valve to Fill Pump (2300mm Long)
GA5067903	1/2" Hydraulic Hose, Fill Pump Spool Valve to Fill Pump (2100mm Long)
GA5067909	1/2" Hydraulic Hose, Fill Pump Spool Valve to Tee under Right Pod

### Fill Pump without Spool Valve

Part No	Description
GA5067888	1/2" Hydraulic Hose, Tractor to Fill Pump

### Tilt with Spool Valves

Part No	Description
GA5067091	1/4" Hydraulic Hose, Spool Block to Tilt Cylinder (1100mm)
GA5067092	1/4" Hydraulic Hose, Spool Block to Tilt Cylinder (1350mm)

## Tilt without Spool Valves

Part No	Description
GA5067230	1/4" Hydraulic Hose, Tractor to Tilt Cylinders

## Bi-Fold Hoses

Part No	Description
GA5067126	1/4" Hydraulic Hose, Check Block to Bi-Fold Cylinders (4940mm Long)
GA5067127	1/4" Hydraulic Hose, Check Block to Bi-Fold Cylinders (4590mm Long)
GA5067128	1/2" Hydraulic Hose, Check Block to Gauges
GA5067129	1/4" Hydraulic Hose, Spool Block to Check Block
GA5067131	1/4" Hydraulic Hose, Link Hose (300mm Long)

## Hydraulic Yaw

Part No	Description
GA5067132	1/4" Hydraulic Hose, Cylinder Link A (1170mm Long)
GA4903200	1/4" Hydraulic Hose, Cylinder Link B (1120mm Long)
GA5067133	1/4" Hydraulic Hose, Tap Assembly to Left Cylinder
GA5067134	1/4" Hydraulic Hose, Tap Assembly to Right Cylinder
GA5067136	1/2" Hydraulic Hose, Left Cylinder to Accumulator
GA5067137	1/2" Hydraulic Hose, Right Cylinder to Accumulator
GA5067138	1/4" Hydraulic Hose, Tap Assembly to Pressure Reducing Valve
GA5067253	1/2" Hydraulic Hose, Pressure Reducing Valve to Spool Valves (Tank/Pressure)

## Hydraulic Yaw Hoses

Part No	Description
GA5067890	1/2" Hydraulic Hose, Tractor to tee under right hand pod (can be used for pressure or tank)
GA5067893	1/4" Hydraulic Hose, Load sense line (4-5000L)
GA5067891	1/4" Hydraulic Hose, Load sense line (6500L)
GA5067909	1/2" Hydraulic Hose, Pressure line to fill pump spool valve
GA5067910	1/2" Hydraulic Hose, Tank line to fill pump spool valve
GA5067892	1/2" Hydraulic Hose, Tee to spool valve pressure line (4-5000L)
GA5067907	1/2" Hydraulic Hose, Tee to spool valve pressure line (6500L)
GA5067905	1/2" Hydraulic Hose, Tee to spool valve tank line (4-5000L)

## Hydraulic driven Spray Pump

Part No	Description
GA5067185-EF	Complete Hydraulic Drive Spray Pump Hose Assembly
HL-08-EF	1/2" Hydraulic Hose, Tractor to Needle Valve
HL-09	1/2" Hydraulic Hose, Needle Valve to Spray Pump

## Tilt Assist Hoses

Part No	Description
GA5067151	1/4" Hydraulic Hose, Spool Block to Right Assist Cylinder
GA5067152	1/4" Hydraulic Hose, Spool Block to Left Assist Cylinder
GA5067153	1/4" Hydraulic Hose, Spool Block to Right Assist Cylinder
GA5067154	1/4" Hydraulic Hose, Spool Block to Left Assist Cylinder

## Ultra Glide Hoses

Part No	Description
GA5067141	1/4" Hydraulic Hose, Spool Block Right Tilt to Ultra Glide (1100mm)
GA5067142	1/4" Hydraulic Hose, Spool Block Left Tilt to Ultra Glide (1000mm)
GA5067143	1/4" Hydraulic Hose, Spool Block Left/Right Tilt to Ultra Glide (600mm)
GA5067146	1/4" Hydraulic Hose, Load Sense to Ultra Glide (950mm)
GA5067147	1/2" Hydraulic Hose, Pressure Line to Ultra Glide (900mm)
GA5067144	1/2" Hydraulic Hose, Tank Line to Ultra Glide (800mm)
GA5067139	1/4" Hydraulic Hose, Ultra Glide to Right Tilt Cylinder (600mm)
GA5067148	1/4" Hydraulic Hose, Ultra Glide to Left Tilt Cylinder (500mm)
GA5067149	1/4" Hydraulic Hose, Ultra Glide to Right Tilt Cylinder (950mm)
GA5067094	1/4" Hydraulic Hose, Ultra Glide to Left Tilt Cylinder (1100mm)

## Tilt Assist with Ultra Glide

Part No	Description
GA5067096	1/4" Hydraulic Hose, Ultra Glide to Right Assist Cylinder (350mm)
GA5067097	1/4" Hydraulic Hose, Ultra Glide to Left Assist Cylinder (110mm)
GA5067098	1/4" Hydraulic Hose, Ultra Glide to Right Assist Cylinder (1200mm)
GA5067099	1/4" Hydraulic Hose, Ultra Glide to Left Assist Cylinder (1400mm)



# CHAPTER 19

## FILTRATION AND HOSE



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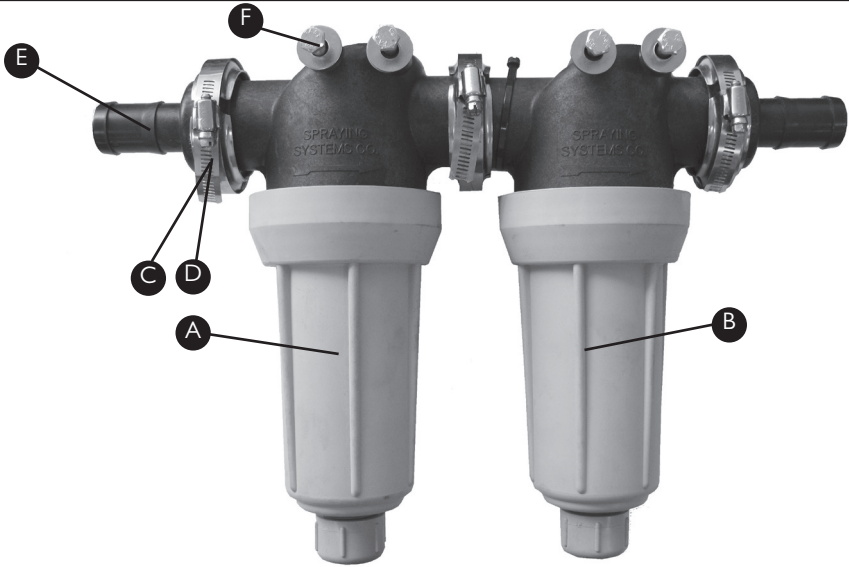
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Hose Clamps.....19-9

Note: Length of hose required when ordering any hoses

PRESSURE FILTERS



Assembly Part No GA4903065-EF

Item	Part No	Description	Quantity
A	GA5077285	Filter with 80 Mesh Screen	1
B	GA5077284	Filter with 100 Mesh Screen	1
C	FC200	Screw Clamp	3
D	GA5009335	Gasket	3

Item	Part No	Description	Quantity
E	GA5077830	1 1/4" Hose Barb to Flange 2	
F-1	GA5011503	M8 x 140mm Bolt	4
F-2	GA5004917	M8 Nyloc Nut	4
F-3	GA5003643	8mm Washer	8

REPLACEMENT PRESSURE FILTER PARTS

A diagram showing four replacement parts. Part 'A' is a cylindrical mesh screen. Part 'B' is a cylindrical mesh screen. Part 'C' is an O-ring. Part 'D' is a tool for removing pressure. The tool has a long, thin handle with a hole at one end and a curved, notched end. The notched end is shown inserted into the top of a filter housing, which is labeled 'SYSTEMS CO.'.

Item	Part No	Description
A	GA5077394	80 Mesh Screen
B	GA5077395	100 Mesh Screen
C	GA5077541	O-ring
D	GA4522610	Tool for Removing Pressure
		Filter Housing



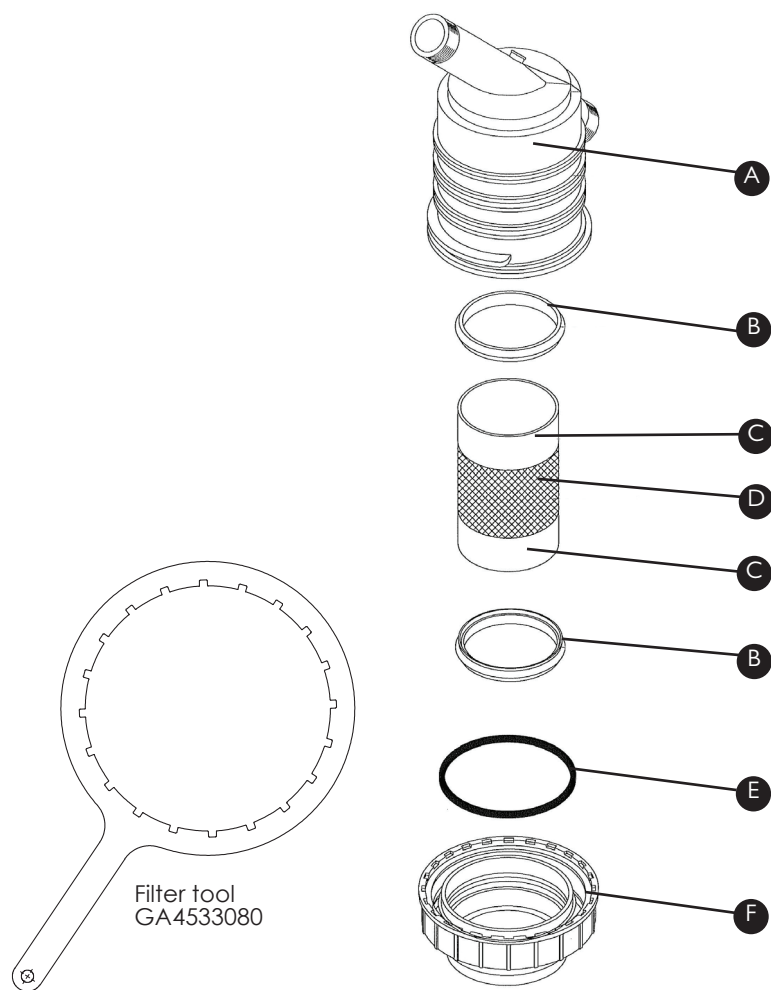
# SUCTION FILTER



Item	Part No	Description
A	GA5076794	32 Mesh Screen *
	GA5076795	50 Mesh Screen
B	GA5076793	Suction Filter Bowl

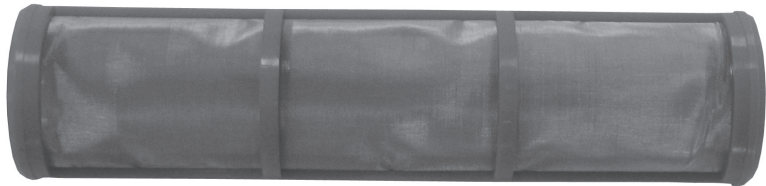
\* Standard Fitment.  
For filter assembly refer to Chapter 5 LH Pod.

FILL FILTER



Item	Part No	Description
A	GA5077347	Fill Filter Body
B	G00000025	Screen Seal
C	GA5000421	Fill Sock Filter 120 mesh
D	GA5003709	50 Mesh Screen
E	G00001170	O-Ring
F	GA5077349	Fill Filter End Cap

For filter assembly refer to Chapter 5 LH Pod, \* Standard Fitment, other screens available apon request.



Part No	Description
GA5077400	30 Mesh Screen for DCI use
	only
GA5077404	200 Mesh Screen for Foam
	Marker use only

For filter assembly refer to Chapter 6 DCI and Chapter 9 Foam Marker

## AIR FILTER

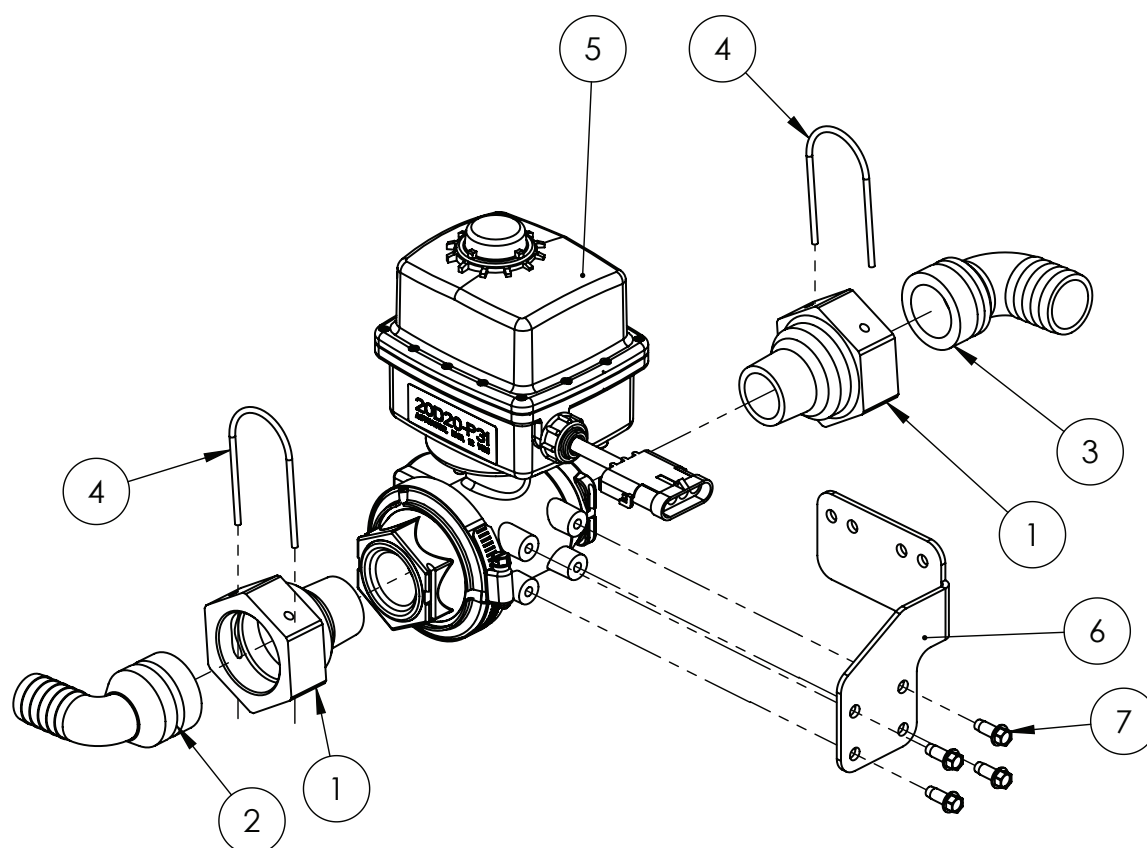


GA5005259	Air Filter
GA5049460	Replacement Air Filter

Element*

\* This is only a replacement part and complete air filter comes with one already installed

## FLOW CONTROL - FAST CLOSE VALVE



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 I2v, 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

## SUCTION HOSE

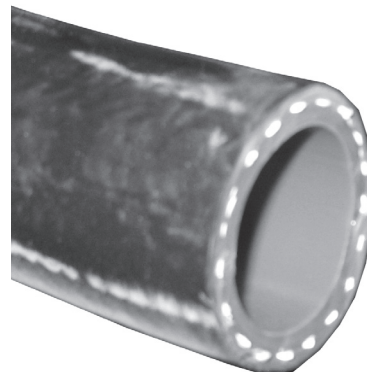
Part No	Description
GA2000218	20mm Suction Hose
GA2000222	25mm Suction Hose
GA2000224	32mm Suction Hose
GA2000226	38mm Suction Hose
GA2000229	51mm Suction Hose
GA2000230	63mm Suction Hose
GA2000232	75mm Suction Hose



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

## PRESSURE HOSE

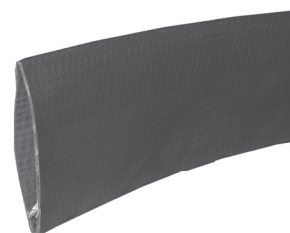
Part No	Description
GA2000211	12.5mm Pressure Hose
GA2000216	20mm Pressure Hose
GA2000219	25mm Pressure Hose
GA2000223	32mm Pressure Hose
GA2000225	38mm Pressure Hose



Pressure Hose can be defined by its blue internal layer

## LAYFLAT HOSE

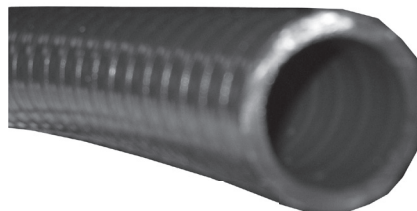
Part No	Description
GA5021395	50mm Blue Layflat Hose



## PVC HOSE

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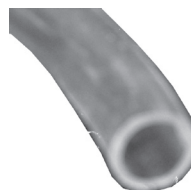
Part No	Description
GA2000220	25mm PVC Hose
GA2000227	40mm PVC Hose



## SIGHT TUBE HOSE

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Part No	Description
GA2000209	12mm Clear Sight Tube Hose
GA2000210	12mm Clear Sight Tube
	Hose with wire



## FOAM MARKER HOSE

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Part No	Description
GA2000200	7mm Hose





# HOSE CLAMPS

Part No	Description
GA5004865	8-16mm Hose Clamp
GA5000469	12-20mm Hose Clamp
GA5000299	16-25mm Hose Clamp
GA5001681	20-32mm Hose Clamp
GA5002783	30-45mm Hose Clamp
GA5002873	32-50mm Hose Clamp
GA5003325	40-60mm Hose Clamp
GA5016815	50-70mm Hose Clamp
GA5004241	60-80mm Hose Clamp

