FAST™

AG SOLUTIONS

9500TF SPRAYER
PARTS MANUAL

FAST GLOBAL SOLUTIONS

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SOLUTIONS

Limited Warranty

FAST AG Solutions warrants to the buyer that the new machinery is free from defects in material and workmanship.

This warranty is only effective as to any new machinery which has not been altered, changed, repaired or treated since its delivery to the buyer, other than by FAST AG Solutions or its authorized dealers or employees, and does not apply to accessories, attachments, tools or parts, sold or operated with the new machinery, if they have not been manufactured by FAST AG Solutions.

FAST AG Solutions shall only be liable for defects in the materials or workmanship attributable to faulty material or bad workmanship that can be proved by the buyer, and specifically excludes liability for repairs arising as a result of normal wear and tear of the new machinery or in any other manner whatsoever, and without limiting the generality of the foregoing, excludes application or installation of parts not completed in accordance with this operator's manual, specifications, or printed instructions.

Written notice shall be given by registered mail, to the Manufacturer within seven (7) days after the defect shall have become apparent or the repairs shall have become necessary, addressed as follows:

FAST AG Solutions
4130 Commerce Boulevard
Windom, MN 56101

This warranty shall expire one (1) year after the date of delivery of the new machinery.

If these conditions are fulfilled, FAST AG Solutions shall at its own cost and at its own option either repair or replace any defective parts provided that the buyer shall be responsible for all expenses incurred as a result of repairs, labor, parts, transportation or any other work, unless FAST AG Solutions has authorized such expenses in advance.

The warranty shall not extend to any repairs, changes, alterations, or replacements made to the new equipment other than by FAST AG Solutions or its authorized dealers or employees.

This warranty extends only to the original owner of the new equipment.

Rubber parts (including tires, hoses, grommets) are not warranted.

This warranty is limited to the terms stated herein and is in lieu of any other warranties whether express or implied, and without limiting the generality of the foregoing, excluded all warranties, express or implied or conditions whether statutory or otherwise as to quality and fitness for any purpose of the new equipment. the Manufacturer disclaims all liability for incidental or consequential damages.

This Applicator is subject to design changes and FAST AG Solutions shall not be required to retrofit or exchange items on previously sold units except at its own option.

Warranty void if not registered.

FAST 9500TF SPRAYER

Warranty Registration Form & Inspection Report

Warranty Registration

This form must be filled out by the dealer and signed by both the dealer and the customer at the time of delivery.

Customer Name					
Address					
City		State		Zip	
Phone					
Dealer Name					
Address					
City		State		Zip	
Applicator Model					
Serial Number					
Delivery Date					

DEALER INSPECTION REPORT

____All Fasteners Tight
____Wheel Bolts Torqued
____Hydraulic Hoses and Fittings Free and Tight
____Fertilizer Hoses and Fittings Free and Tight
____Wheel Drive Turns Freely
____Lubricate Machine
____Check Tire Pressure
____Frame and Wings Level
____Monitors and Controllers Function
____Wiring Harness Connected

SAFETY

____ Safety Chain Installed
____ All Guards Installed
____ All Safety Signs Installed
____ Reflectors, SMV and Lights Clean
____ Review Operating and Safety Instructions

I have thoroughly instructed the buyer on the above described equipment which review included the Operator's Manual content, equipment care, adjustments, safe operation and applicable warranty policy.

Date_____
Dealer's Rep. Signature_____

The above equipment and Operator's Manual have been received by me and I have been thoroughly instructed as to care, adjustments, safe operation and applicable warranty policy.

Date_____
Owner's Signature_____

White - FAST
Yellow - Dealer
Pink - Customer

FAST 9500TF SPRAYER

APPLICATOR SERIAL NUMBER _____

DATE PURCHASED _____/_____/_____

TANK SIZE _____

BOOM LENGTH_____

PUMP MANUFACTURER:

(CIRCLE ONE)

ACE 150 - 206 **ACE 205 - 304F** **HYPRO 9306C**

FAST GLOBAL
SOLUTIONS

General Information

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Parts information in this manual represents components installed when product was manufactured based upon the best available information. Modifications made subsequent to initial delivery are not included. Always verify the parts and color required when ordering parts.

If you have any questions, please contact your FAST AG Solutions Parts and Service Department.

Parts Ordering Guide

1.Provide the Serial Number of your Chassis or System when ordering.
2.Use the Part Number and Description when ordering parts.
3.Provide the Page Title and Page Number if required.

Parts Searching Guide

To search this PDF by keyword, name, description or part number, use **ctrl + f** for simple searches or **ctrl + shift + f** for advanced searches.

Explanation of Parts Lists

The parts lists are broken down sub assemblies and listed in 4 columns:

- **ITEM** - These numbers are found on the illustration associated with the parts list.
- **NS** - This item is NOT SHOWN, included for reference.
- **QTY.** - This is the quantity of parts needed in an assembly.
- **AR** - The quantity of this item is AS REQUIRED for the location.
- **PART NO.** - These are the part numbers associated to the ITEM.
- **DESCRIPTION** - This is the description of the part.

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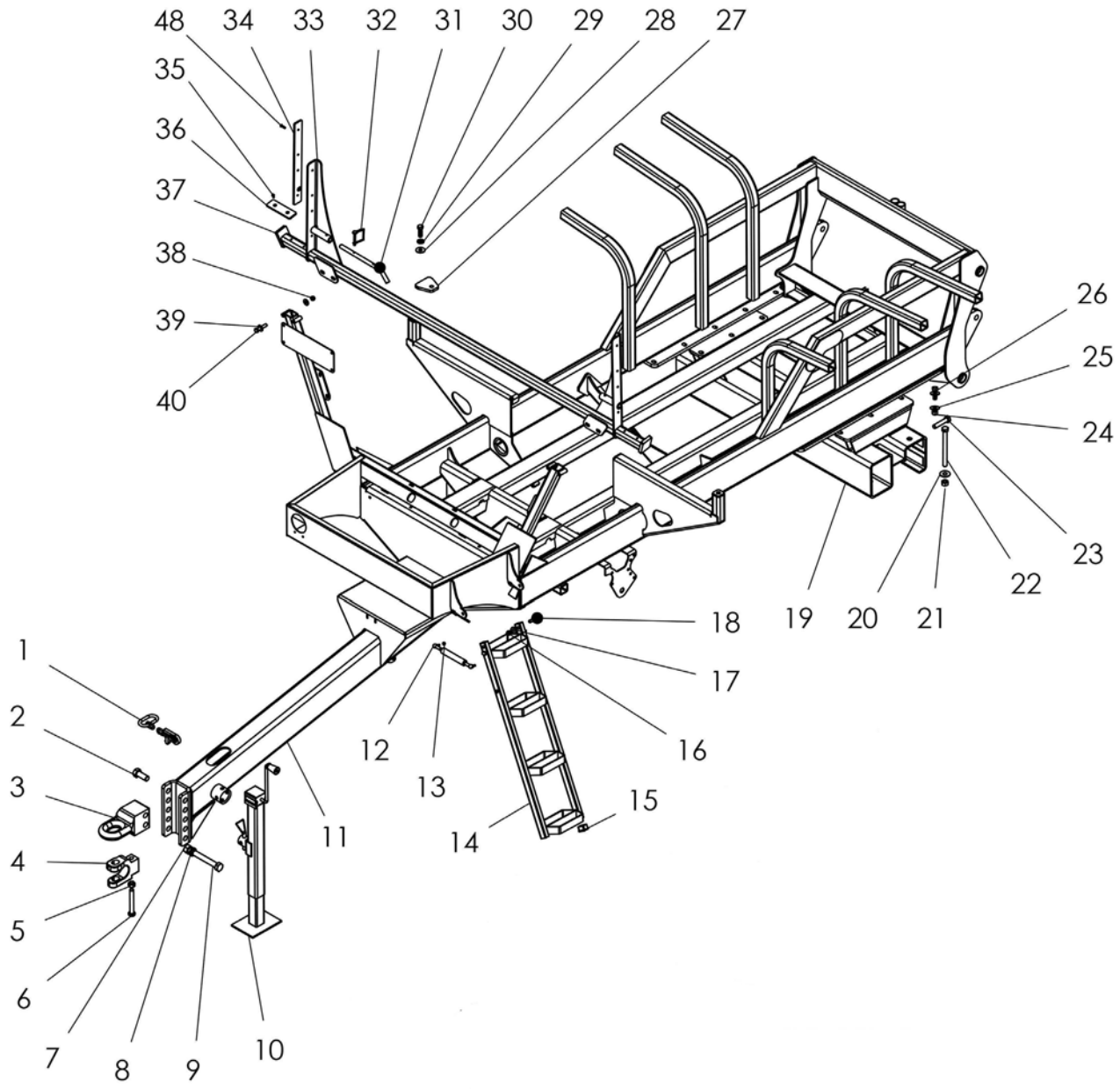
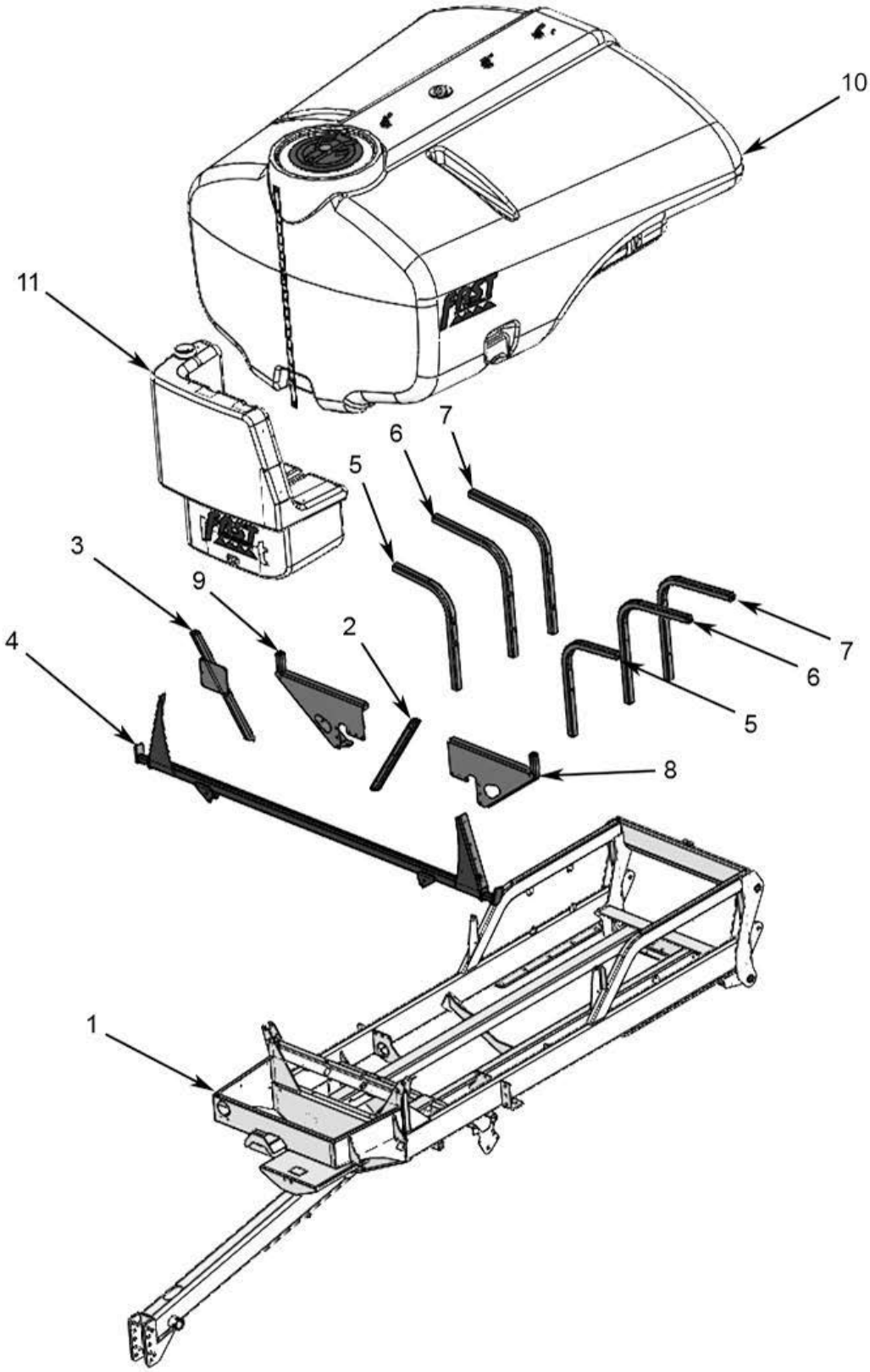
Trailer - 9500



Trailer - 9500 Parts List

Item	Vendor Part #	Fast Part #	Description	Qty.
1	PPSC21A	790015	Safety Chain 20,200#	1
2		199	Bolt HH 1 X 2-1/2 GR5 Zp	1
3	PPI-301V3-10	790003	Hitch Cat 3	1
4	PPI-208-VR-10	790002	Clevis For Hitch	1
5		233	Nut HH 3/4" Nylock Zp	1
6		390	Bolt HH 3/4 X 5-1/2 GR8 Zp	1
7		218	Nut HH 1" Zp	5
8		255	Washer 1" Lock	5
9		564	Bolt HH Special 1 X 6-1/2 GR 5 Zp	2
10	FASTHD800	790005	Jack 8000# Side Wind	1
11		21251	Fast Trailer 9500 Bolt Together Frame	1
12	22011A3	590010	Easylift Cylinder (For Use With Ladder 10620 Item 11)	1
13		855	Nut HH M8 Zp (For Use With Ladder 10620 Item 11)	1
14		10620	Ladder 3 Step S/N 9430-3026-77 To Current	1
15		4192	Plastic Plug 1.5" Tube	4
16		231	Nut HH 1/2" Centerlock Zp	2
17		260	Washer Flat 1/2"	2
18		155	Bolt HH 1/2 x 2-1/2" GR5 Zp	2
19		13512	Axle Housing Receiver	1
20		262	Washer Flat 3/4 Zp	4
21		241	Nut HH 3/4 Centerlock Zp	4
22		488	Bolt HH 3/4 X 8.5 GR5 Zp	4
23		187	Bolt HH 3/4 x 3-1/2" GR5 Zp	2
24		240	Nut HH 5/8 Centerlock Zp	6
25		261	Washer Flat 5/8 Zp	12
26		170	Bolt HH 5/8 X 2.5 GR5 Zp	6
27		10244	Poly Holddown Tab	2
28		261	Washer Flat 5/8" Zp	2
29		253	Washer Lock 5/8" Zp	2
30		170	Bolt HH 5/8 X 2 GR5 Zp	2
31		7618	Safety Latch Pin	2
32	715300927	720001	Kwik Clip Pin	2
33		671	Bolt HH 1/4 x 5/8" Black	8
NS		11050R	Vertical Stop Chamfered Plastic Right	1
34		11050L	Vertical Stop Chamfered Plastic Left	1
35		581	Rivet 1/4" Drive In	12
36		7781	Wear Pad Plastic Transport Saddle Base	2
37		13246	Bolt-On Transport Support	1
38		239	Nut 1/2" Centerlock	2
39		260	Washer Flat 1/2"	4
40		155	Bolt Hex Head 1/2 X 2-1/2"	2

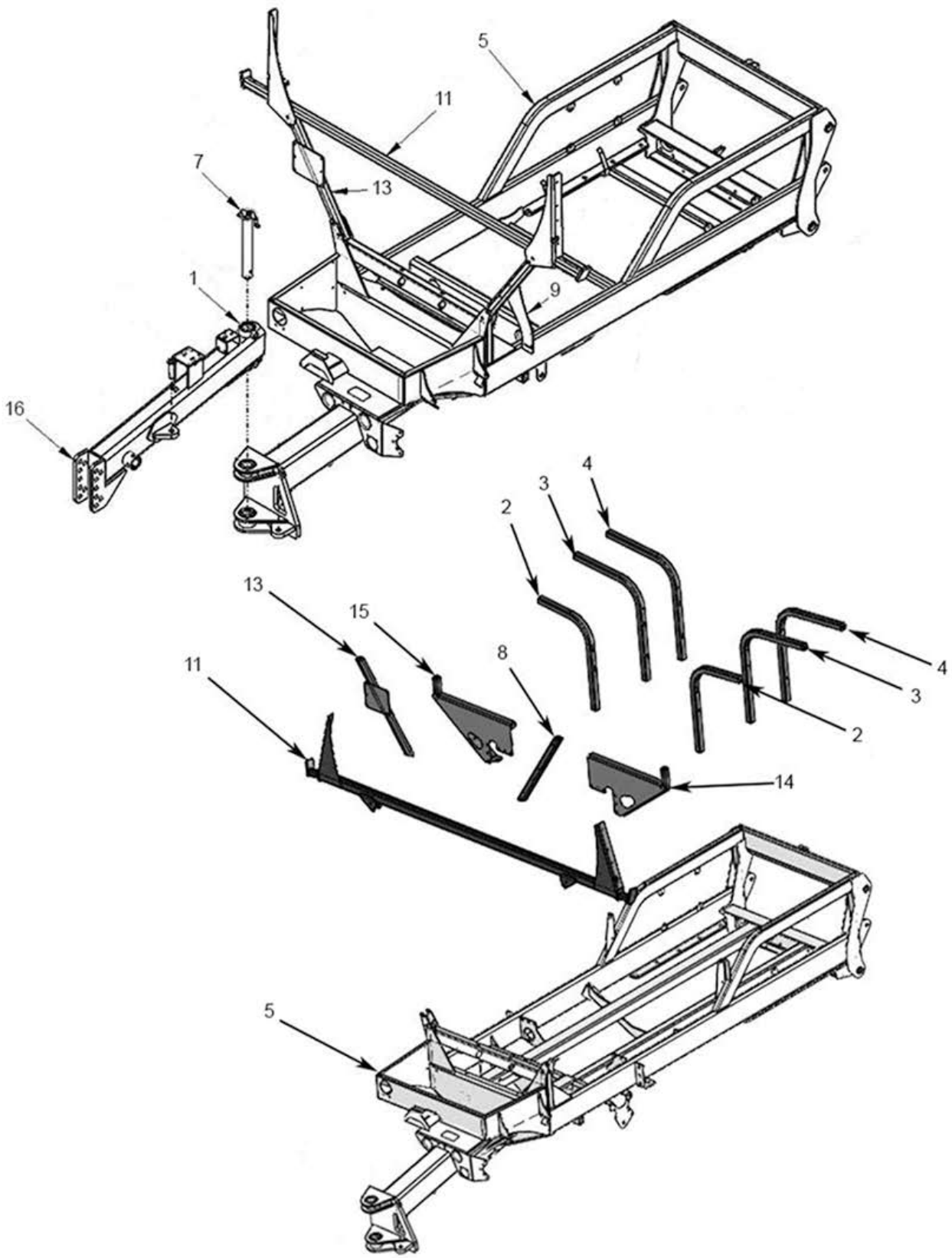
Trailer and Tank - 9500



Trailer and Tank - 9500 Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	21251	1	9500 BOLT TOGETHER TRAILER
2	21182	1	TUBE, BRACE
3	21255	1	TUBE WITH HANDWASH
4	18350	1	REST, WING BOLT-ON
5	18183	2	TUBE, SUPPORT, FENDER
6	18184	2	TUBE, SUPPORT, FENDER
7	18185	2	TUBE, SUPPORT, FENDER
8	22242L	1	LH WELDMENT, TANK SUPPORT
9	22242R	1	RH WELDMENT, TANK SUPPORT
10	570063*	1	TANK, 1800, AG YELLOW, With Fittings and Lid
10	570064*	1	TANK, 1800, AG WHITE, With Fittings and Lid
10	570066*	1	TANK, 2400, AG WHITE, With Fittings and Lid
10	570067*	1	TANK, 2400, AG YELLOW, With Fittings and Lid
11	570003TNK	1	RINSE TANK, 100 GALLON WHITE
11	570004TNK	1	RINSE TANK, 100 GALLON YELLOW
			* SEE TANK ASSEMBLY PAGE

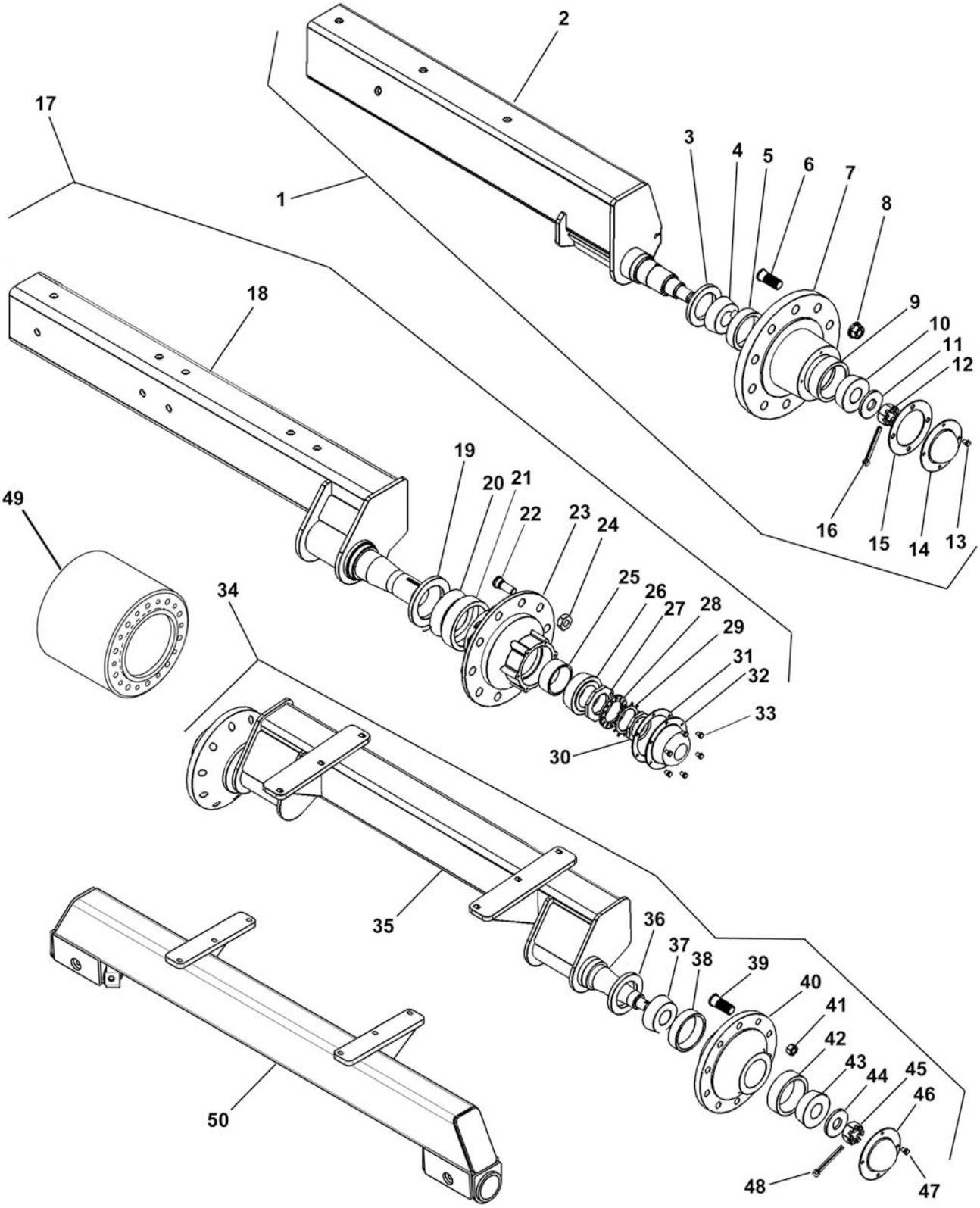
Steerable Trailer - 9500



Steerable Trailer - 9500 Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	15277	2	STAINLESS WASHER
2	18183	2	TUBE, FENDER SUPPORT, FRONT
3	18184	2	TUBE, FENDER SUPPORT, MIDDLE
4	18185	2	TUBE, FENDER SUPPORT, REAR
5	21152	1	9500 STEERABLE TRAILER
6	21172	1	PLATE, PIN CAP
7	21270	1	PIN, PIVOT
8	21182	1	TUBE, BRACE
9	21205	1	PLATE, SIGHT GAUGE BRACKET BLACK
10	21193	1	MOUNT, SENSOR
11	21198	1	WING REST, 80-90, BOLT ON
12	21199	2	ANGLE, LOCK
13	21255	1	LEG, TRANSPORT RACK
14	22242L	1	LH TANK SUPPORT
15	22242R	1	RH TANK SUPPORT
16	26060	1	STEERABLE HITCH TONGUE
17	631920	1	ROTARY SENSOR, RAVEN
NS	620028	1	CYLINDER, STEERABLE HITCH - SINGLE CYLINDER VERSION
NS	21207	2	PINS, STEERABLE HITCH CYLINDER - SINGLE CYLINDER VERSION
NS	21199	1	ANGLE LOCK, STEERABLE HITCH - SINGLE CYLINDER VERSION
NS	620103	2	CYLINDER, STEERABLE HITCH - DUAL CYLINDER VERSION
NS	28927	1	PINS, STEERABLE HITCH CYLINDER - DUAL CYLINDER VERSION
NS	28926	2	CYLINDER STOP - STEERABLE HITCH
NS	720001	4	QUICK CLIP PIN FOR CYLINDER STOP
NS	600116	1	HOSE KIT, STEERABLE HITCH, DUAL CYLINDER UPDATE

Axles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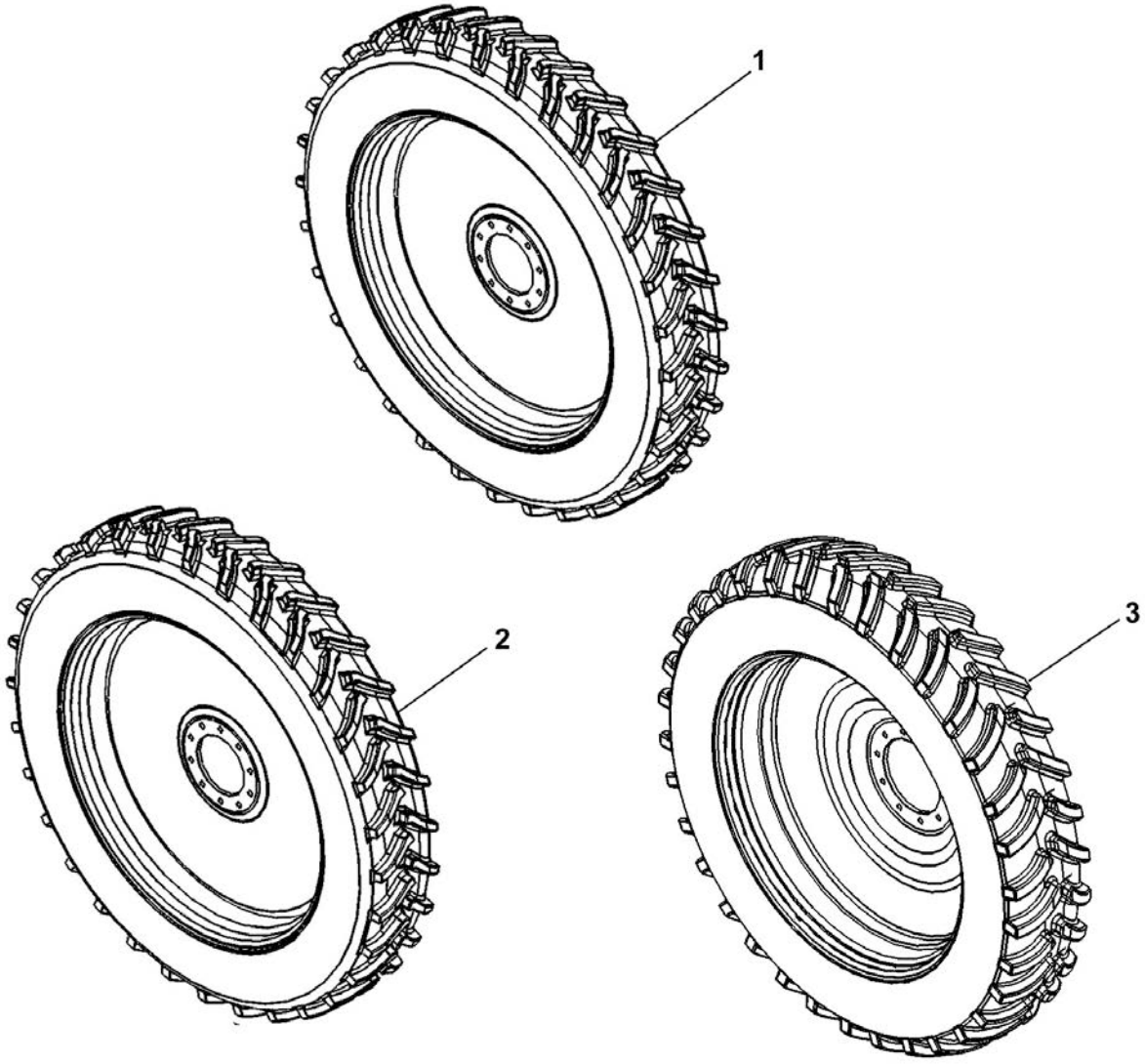
Axles Parts List

Item	Vendor Part #	Part #	Description	Qty.
1		13586	Axle Assembly 10 Bolt (Inc 2 - 16) 15,000#	2
2		13518	Trailer Narrow Axle Sub Weld 3-3/8" Spindle	2
3	946275	730013	Seal 873 Series Hub 15,000#	2
4	NI-910398/332752	730011	Cone Inner 873 Series Hub	2
5	NI-910397/133462		Cup Inner 873 Series Hub	2
6	NI-953033	1683	Stud Wheel	20
7	NI-289121	730002	Hub 10 Bolt W/Cups 873 Series Hubs 15,000#	2
8	NI-913571	730051	Nut Wheel	20
9	NI-910332/453a	1679	Cup Outer	2
10	NI-910334/460	1681	Cone Outer	2
11	NI-913632	1688	Washer Spindle	2
12	NI-912969	730014	Nut Spindle 1.25-12 TPI	2
13	NI-9052148	113	Bolt HH 5/16 X 1/2 GR5 Zp	8
14	1682	730072	Hub Cap Q-871 Hub	2
15	1686	730016	Gasket Hub Cap	2
16	NI-905944	1690	Cotter Pin	2
17		10900	Axle Assembly 2400 Gallon Tank (Inc 18 - 33) 19,000#	2
18		10901	Axle, Single 2400 Gallon Tank	2
19	513-0541	730051	Seal Grease CR40108	2
20	501-0663	730047	Bearing, Inner 663	2
21	511-0653		Cup, Inner 653	2
22	54101216		Wheel Stud	20
23	51001900	730071	Hub 10 Bolt 19,000 lb	2
24	55001216	730049	Wheel Nut	20
25	511-2011		Cup, Outer HM212011	2
26	512-2049	730064	Bearing, Outer HM212049	2
27	515-1918	730063	Inner Lock Nut	2
28	514-1900	730062	Inner Lock Washer	2
29	514-1884		Outer Lock Washer	2
30	515-1892		Outer Lock Nut	2
31	563-3600-HG		Gasket, Hub Cap	2
32		113	Bolt HH 5/16 X 1/2 GR5 Zp	12
33	563-3600	730046	Hub Cap	2
34		10913	Axle Assembly 10 Bolt Duals 60"-120" TW (Inc 33 - 45) 20,000#	1
34	Not Illustrated	10907	Axle Assembly 10 Bolt Duals 80"-132" TW (Inc 33 - 45) 20,000#	1
34	Not Illustrated	10910	Axle Assembly 10 Bolt Duals 80"-120" TW (Inc 33 - 45) 20,000#	1
35		10917	Trailer Axle 30" Row	1
35	Not Illustrated	10908	Trailer Axle 22" Row	1
35	Not Illustrated	10911	Trailer Axle 20" Row	1
36	NI-906979	730041	Seal	2
37	NI-910346	730043	Cone Inner	2
38	NI-910334	730012	Cup Inner	2
39	NI-953035		Stud Wheel	20
40	NI-281171	730060	Hub 10 Bolt 20,0003	2
41	NI-913571	730051	Nut Wheel	20
42	NI-910384	1679	Cup Outer	2
43	NI-910347	730037	Cone Outer	2
44	NI-913632	730040	Washer Spindle	2
45	NI-913571	730051	Nut	2
46	NI-909921	730038	Hub Cap	2
47	NI-9052148	113	Bolt HH 5/16 X 1/2 GR5 Zp	8
48	NI-905944	730042	Cotter Pin	2
49		710030	Spacer 30" Row 13.75" OAL	2
49	Not Illustrated	710032	Spacer 22" Row 7" OAL	2
49	Not Illustrated	710031	Spacer 20" Row 5" OAL	2
50		21370	Axle, Tracks	1

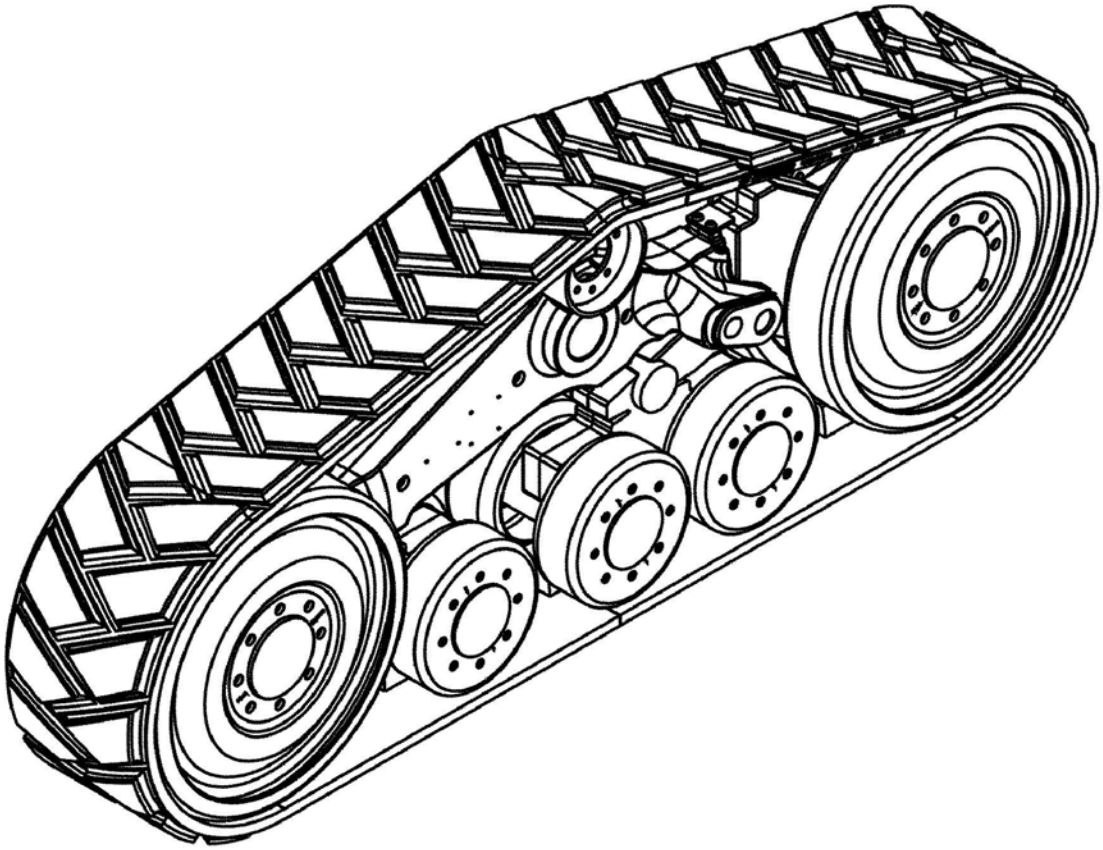
Tires



Tires Parts List

Item	Vendor Part #	Fast Part #	Description	9518	9524
1	TT-512318057201R	700002	380/90R46 Yellow RH	1	
1	TT-512318057201L	700003	380/90R46 Yellow LH	1	
1	TT-5123180040701L	700001	380/90R46 Silver LH	1 Opt/Red	
1	TT-5123180040701R	700000	380/90R46 Silver RH	1 Opt/Red	
2	TT-05190210057201L	700018	W /480/80R42 162A8 R1		1
2	TT-05190210057201R	700019	W /480/80R42 162A8 R1		1
2	TT-05190210040701L	700016	480/80R42 Load R A162		1 Opt/Red
2	TT-05190210040701R	700017	480/80R42 Load R A162		1 Opt/Red
3	TT05197700040701L	700040	Tire L 320/90R46 148 Silver Dual	2 Opt/Red	2 Opt/Red
3	TT05197700040701R	700041	Tire R 320/90R46 148 Silver Dual	2 Opt/Red	2 Opt/Red
3	TT05197700057201R	700032	Tire R 320/90R46 148 Yellow Dual	2 Opt.	2 Opt.
3	TT05197700057201L	700033	Tire L 320/90R46 148 Yellow Dual	2 Opt.	2 Opt.
3	TT-5193450057201L	700020	380/90R46 Yellow LH Dual	2 Opt.	2 Opt.
3	TT-5193450057201R	700021	380/90R46 Yellow RH Dual	2 Opt.	2 Opt.
3	TT-5193450040701L	700034	380/90R46 Silver LH Dual	2 Opt/Red	2 Opt/Red
3	TT-5193450040701R	700035	380/90R46 Silver RH Dual	2 Opt/Red	2 Opt/Red

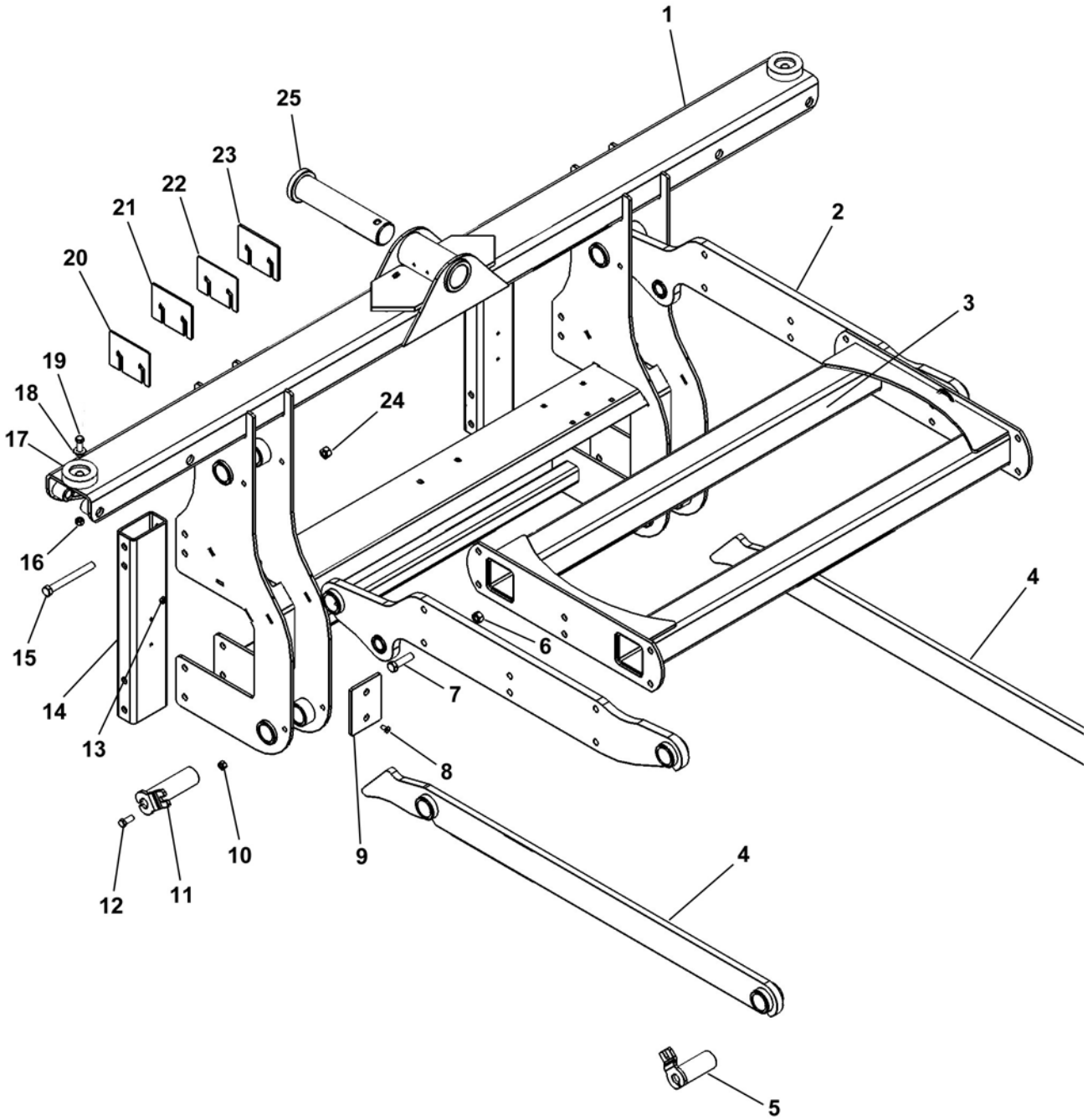
Camso Tracks



Camso Tracks List

ITEM	PART NO.	QTY.	DESCRIPTION
1	700206	AR	CAMSO TTS 40-1511, GREY
1	700202	AR	CAMSO TTS 40-1511, YELLOW
1	800259	1	DECAL, CAUTION - TRACK FIRE

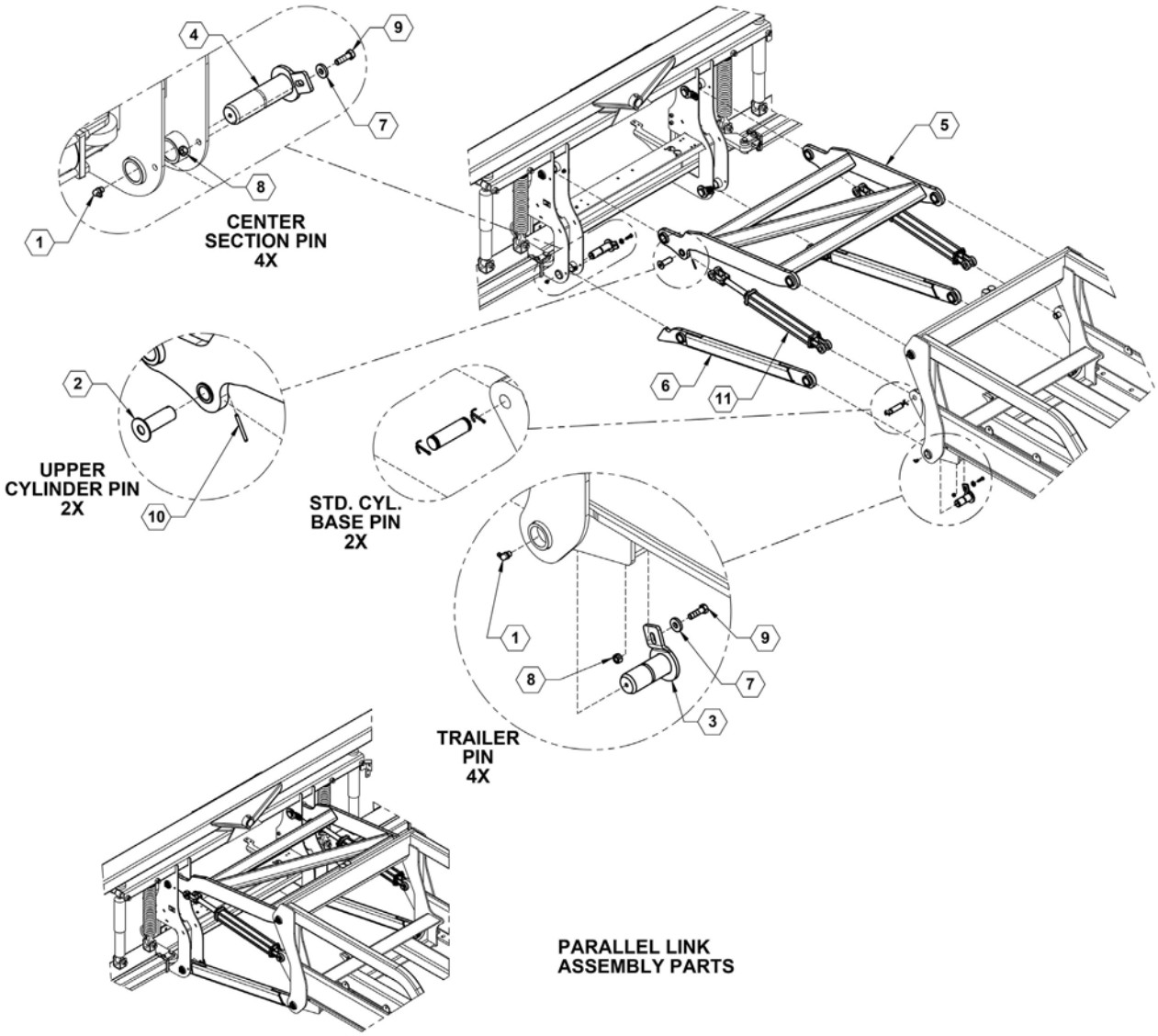
Parallel Link & Interior Pivot (H-Brace)



Parallel Link & Interior Pivot (H-Brace) Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		13806	1	Interior Pivot
2		13803	2	Upper Link Weldment
3		14790	1	H Brace
4		14795	2	Lower Link Weldment
5		13871	1	Pin Trailer Pivot
6		239	12	Nut Hex 1/2" Centerlock
7		154	12	Bolt Hex Head 1/2 X 2 GR5 Zp
8		671	8	Bolt Flat Head 1/4 X 5/8 Black
9		590097	4	Rub Plate
10		237	6	Nut Hex Head 3/8" Centerlock
11		13872	4	Cradle Pin
12		129	8	Bolt HH 3/8 1-1/2 GR5 Zp
13		235	8	Nut Hex 1/4" Centerlock Zp
14		13883	2	Tube Interior Pivot Lock
15		160	8	Bolt Hex Head 1/2 X 5 GR5 Zp
16		237	10	Nut Hex Head 3/8" Centerlock
17	B1	59026	2	Rubber Bumper
18		258	2	Washer Flat 3/8" Zp
19		129	2	Bolt HH 3/8 1-1/2 GR5 Zp
20		11265	AR	Shim Rub Plate 12 Ga
21		11266	AR	Shim Rub Plate 10 Ga
22		11267	AR	Shim Rub Plate 7 Ga
23		11942	AR	Shim Rub Plate 14 Ga
24		239	8	Nut Hex 1/2" Centerlock
25		13870	1	Pin Center Interior Pivot
NS		759	10	Grease Zerk 1/4-28 TPI Zp

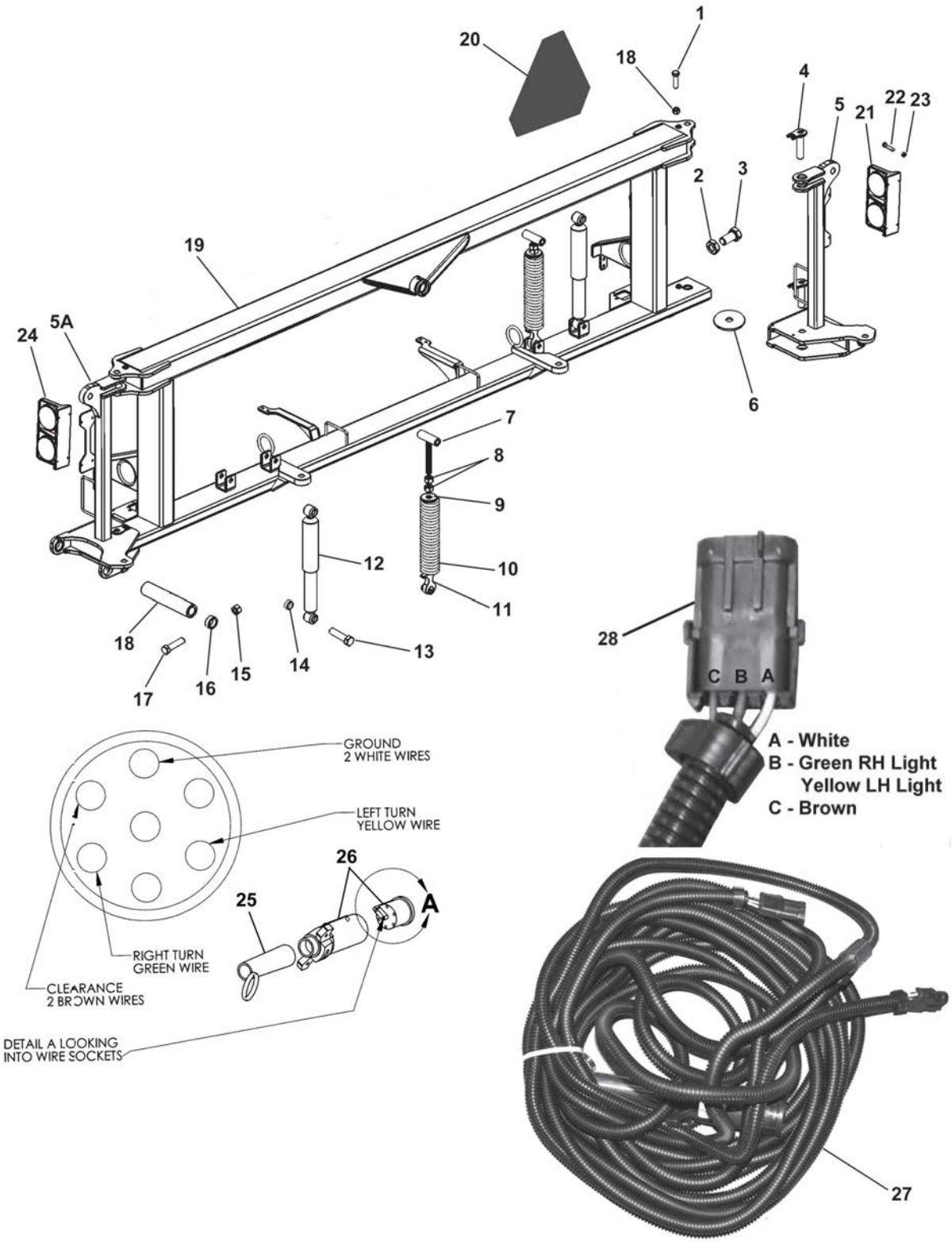
Parallel Link Assembly (Macho Link)



Parallel Link Assembly (Macho Link)

ITEM	PART NO.	QTY.	DESCRIPTION
1	761	8	ZERK, 90 , 1/4" STRAIGHT PIPE
2	11629	2	CRADLE CYLINDER PIN
3	13871	4	PIN
4	13872	4	PIN
5	14790	1	LITE MACHO UPPER LINK
6	14795	2	LITE LINK, LOWER
7	530309	8	WASHER, FLAT HEAVY 13/32 X 1
8	596237M	8	NUT, CENTERLOCK 3/8 MAGNI
9	596635M	8	BOLT, HH 3/8-16 x 1-1/4 MAGNI
10	596746M	2	SPRING PIN 5X50mm MAGNI
11	620019	2	CYLINDER 20TD16-112 MAIN LIFT

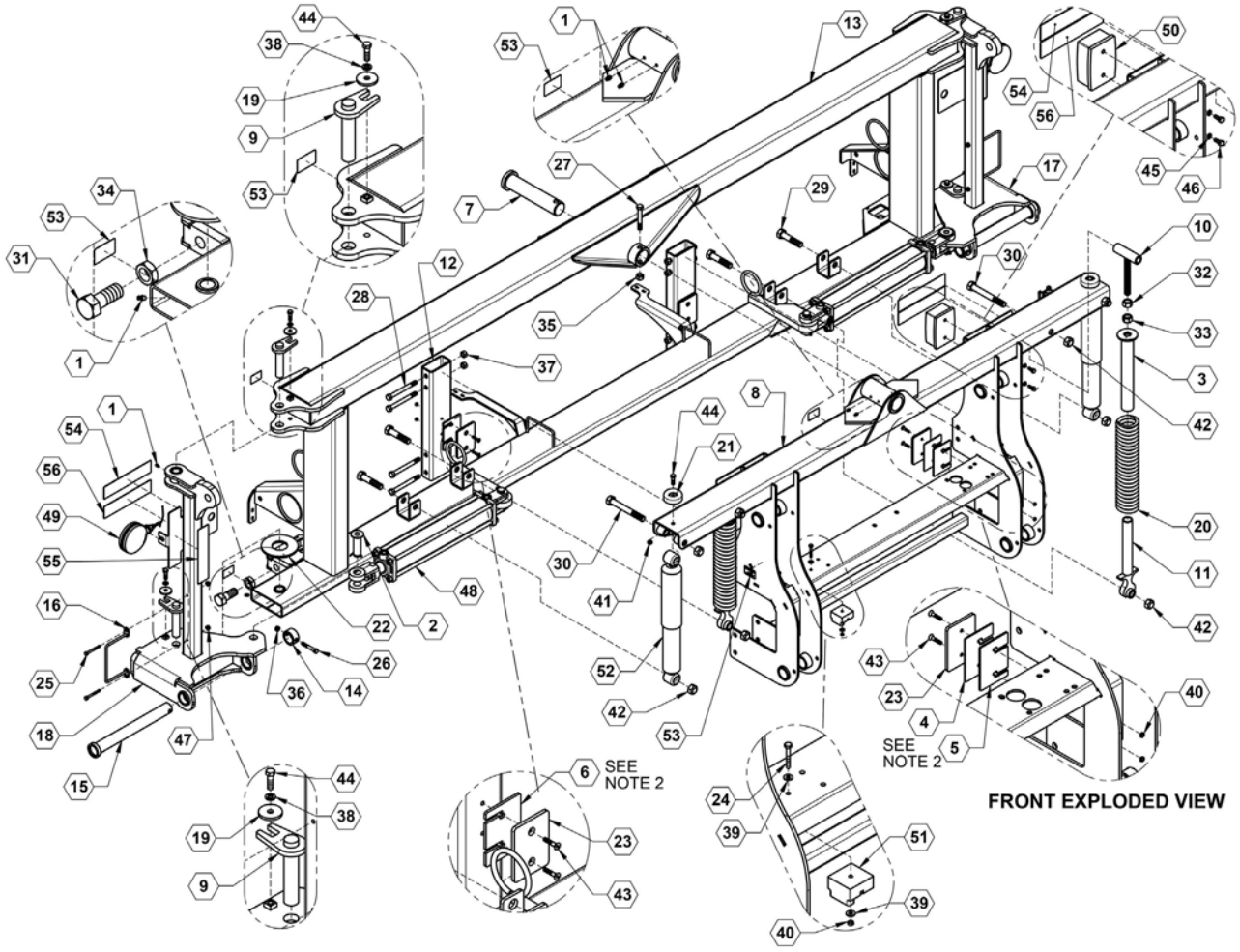
12’ Center Section (Dry Boom)



12’ Center Section (Dry Boom) Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		128	4	Bolt HH 3/8 X 1 GR5 Zp
2		226	2	Nut Hex Head Jam 1" Zp
3		198	2	Bolt Hex Head 1 X 2 GR5 Zp
4		13886	4	Wing Pivot Pin
5		21353L	1	Wing Pivot Left
5A		21353R	1	Wing Pivot Right
6		13891	2	Washer UHMW Poly
7		13875	2	Spring Adjustment Eyebolt
8		217	4	Nut HH 3/4" Zp
9		7442	2	Outer Spring Mount
10	FX-FV0006656	590011	2	Spring Center Section
11		13876	2	Inner Spring Mount
12	66833	790011	2	Shock Center Section
13		187	8	Bolt HH 3/4 X 3-1/2" GR5 Zp
14		241	8	Nut HH 3/4" Centerlock Zp
15		237	2	Nut 3/8 Center Lock Zp
16		14296	2	Collar, Pin Retainer
17		131	2	Bolt HH 3/8 x 2-1/2” GR5 Zp
18		14300	2	Main Wing Pivot Pin
19		13801	1	Center Section, 12' Wide, Dry Boom
20		790017	1	SMV
21		740001	1	Lights Left Side
22		102	8	Bolt HH 1/4 x 1'' GR5 Zp
23		767	8	Nut HH 1/4" Whizlock
24		740002	1	Lights Right Side
NS		256	8	1/4" Flat Washer Used On #22
25	WA-37678		1	Spring Cable Guide
26	WA-37673		1	7-Pin Electrical Connector
27	DA-1528	740007	1	Warning Light Harness
28	WA-38044		2	Weather Pack 3-Pin Shroud

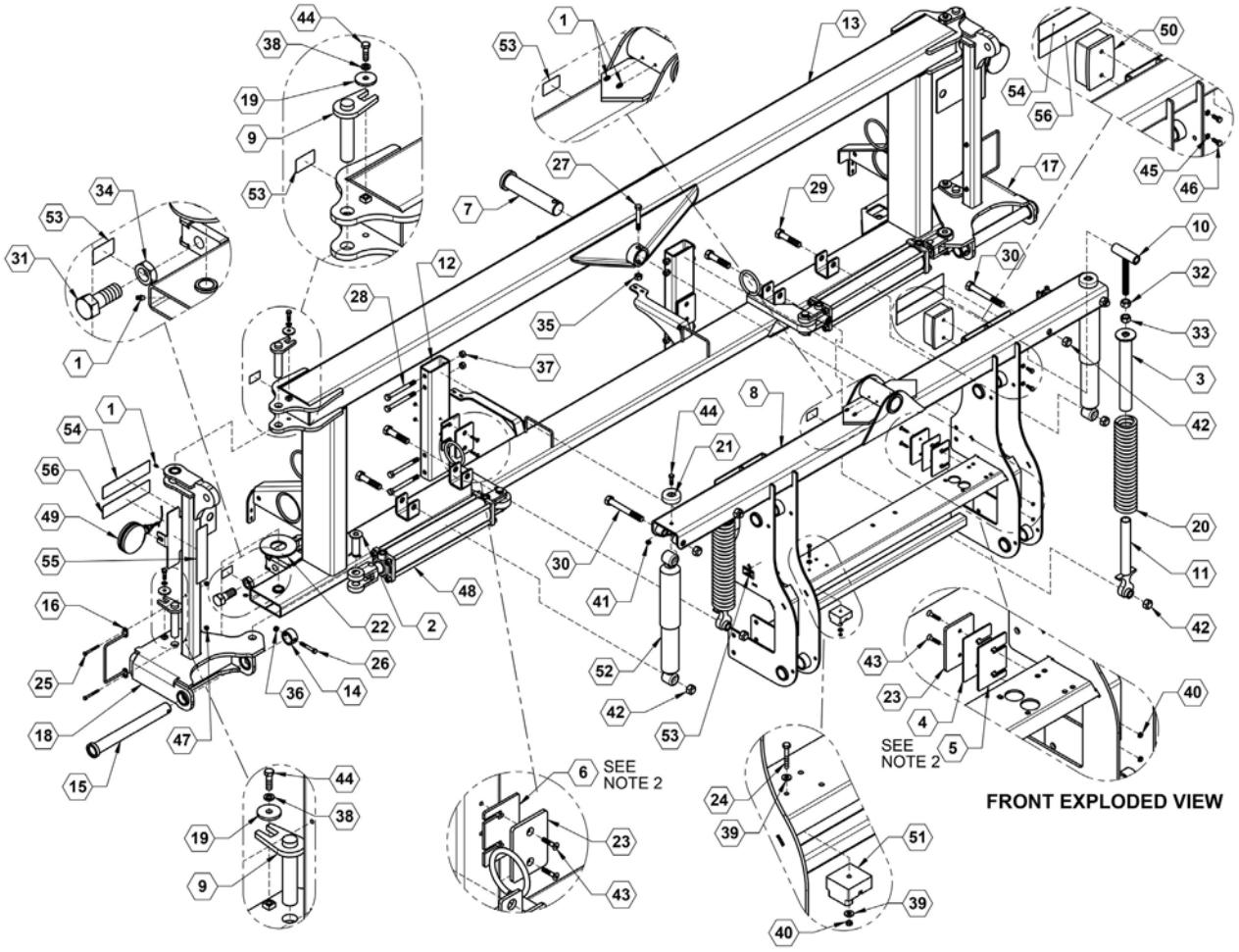
12’ Center Section, 60 - 100’ Boom



12’ Center Section, 60 - 100’ Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	759	6	ZERK, 1/4-28 STRAIGHT
2	28111	2	1" CYLINDER PIN
3	7442	2	OUTER SPRING GUIDE
4	11265	2	SHIM, RUB PLATE 12 Ga
5	11266	2	SHIM, RUB PLATE 10 Ga
6	11267	2	SHIM, RUB PLATE 7Ga
7	13304	1	PIN, CENTER PIVOT
8	13806	1	CRADLE, WELDMENT
9	13874	4	PIN, WING PIVOT
10	13875	2	ADJUSTER, SPRING
11	13876	2	BASE, SPRING MT
12	13883	2	TUBE, CRADLE LOCK
13	14200	1	CENTER SECTION, 12' WIDE, STANDARD WET BOOM
14	14296	2	BUSHING WITH HOLE
15	14300	2	PIN, MAIN WING
16	18267	2	BOLT ON HOSE HOLDER
17	21353L	1	PIVOT, WING LH
18	21353R	1	PIVOT, WING, RH
19	530308	4	WASHER, HEAVY 13/32 X 1 5/8
20	590011	2	CENTER SECTION SPRING
21	590026	2	BUMPER, 1X2-1/2 RUBBER ROUND
22	590042	2	WASHER, 2 1/8" ID THRUST
23	590097	4	RUB PLATE
24	596104M	1	BOLT, HH 1/4-20X1-3/4 GR5 MAGNI
25	596105M	4	BOLT, HH 1/4-20X2-1/2 GR5 MAGNI
26	596131M	2	BOLT, HH 3/8-16X2-1/2 GR5 MAGNI
27	596157M	1	BOLT, HH 1/2X3-1/2 GR5 MAGNI
28	596160M	8	BOLT, HH 1/2X5 GR5 MAGNI

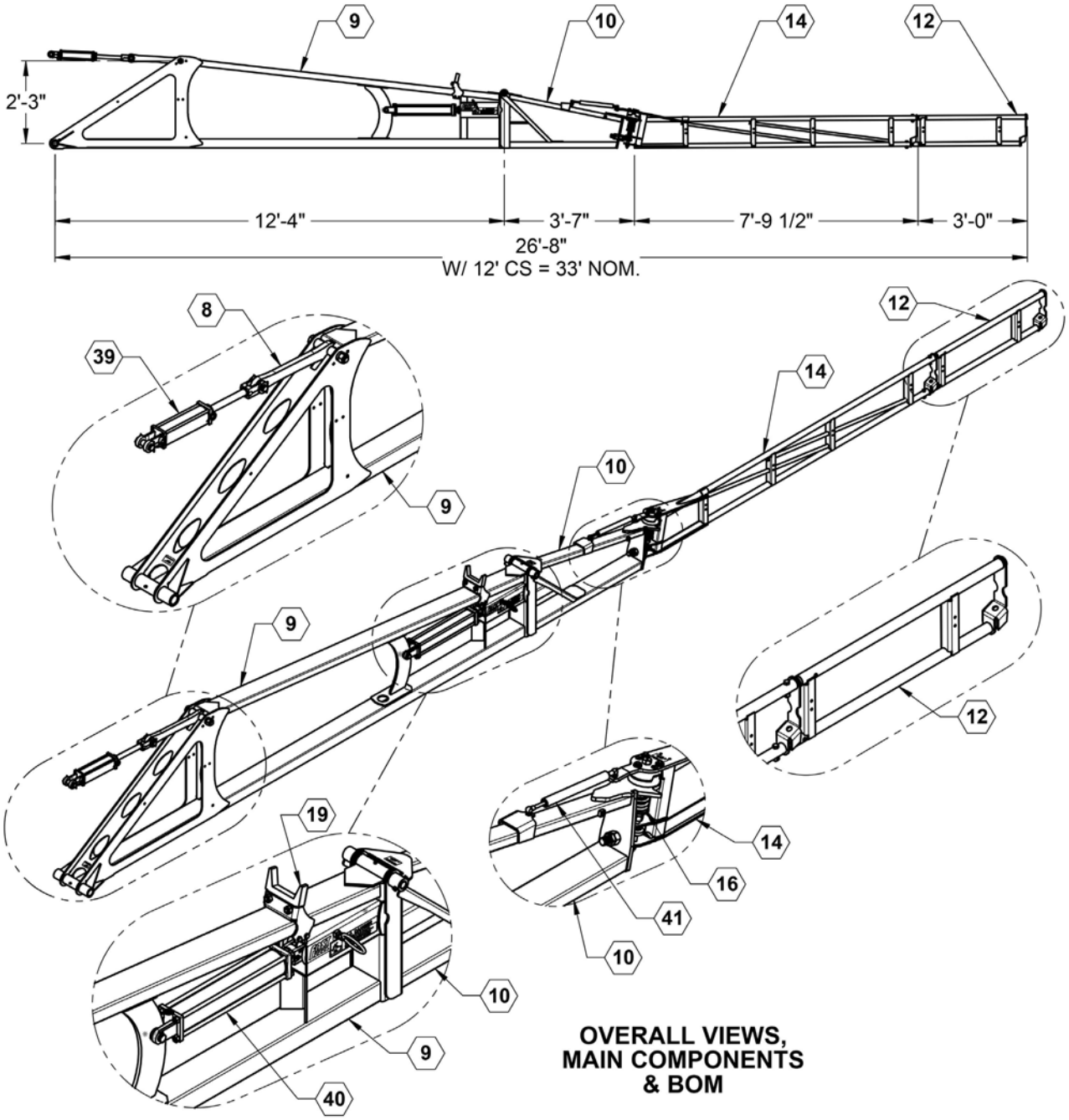
12’ Center Section, 60 - 100’ Boom



12’ Center Section, 60 - 100’ Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
29	596187M	4	BOLT, HH 3/4-10X3-1/2 GR5 MAGNI
30	596192M	4	BOLT, HH 3/4-10X6 GR5 MAGNI
31	596199M	2	BOLT, HH 1-8X2-1/2 GR5 MAGNI
32	596217M	2	NUT, HEX 3/4-10 G5 MAGNI
33	596225M	2	NUT, HEX JAM 3/4-10 GR8 MAGNI
34	596226M	2	NUT, HEX JAM 1-8 MAGNI
35	596231M	1	NUT, HEX NYLOCK 1/2-13 MAGNI
36	596237M	2	NUT, CENTERLOCK 3/8-16 MAGNI
37	596239M	8	NUT, CENTERLOCK, 1/2-13 MAGNI
38	596250M	4	LOCKWASHER 3/8 MAGNI
39	596256M	2	WASHER, FLAT 1/4 USS MAGNI
40	596622M	9	NUT, TOPLOCK 1/4-20 MAGNI
41	596624M	2	NUT, TOPLOCK 3/8-16 MAGNI
42	596626M	8	NUT, TOPLOCK 3/4-10 G5 MAGNI
43	596631M	8	FHSCS 1/4-20X1-1/4 MAGNI
44	596634M	6	BOLT, HH 3/8-16X1-1/4 GR8 MAGNI
45	596728M	4	LOCKWASHER 8MM MAGNI
46	596737M	4	BOLT, HH 8-1.25 X 20MM 8.8 MAGNI
47	596767M	4	NUT, HEX FLANGE 1/4-20 MAGNI
48	620057	2	CYLINDER, 30THC16.00-150
49	740024	2	LIGHT, AMBER, PEDESTAL. MOUNT
50	740025	2	LIGHT, RED SURFACE MOUNT ASSEMBLY
51	740031	1	LIGHT MODULE
52	790010	2	SHOCK, YELLOW 7400 120' CENTER
53	800014	7	DECAL, GREASE PIVOT POINTS
54	800109	4	DECAL, RED REFLECTOR
55	800110	2	DECAL, AMBER REFLECTOR
56	800111	2	DECAL, ORANGE REFLECTOR

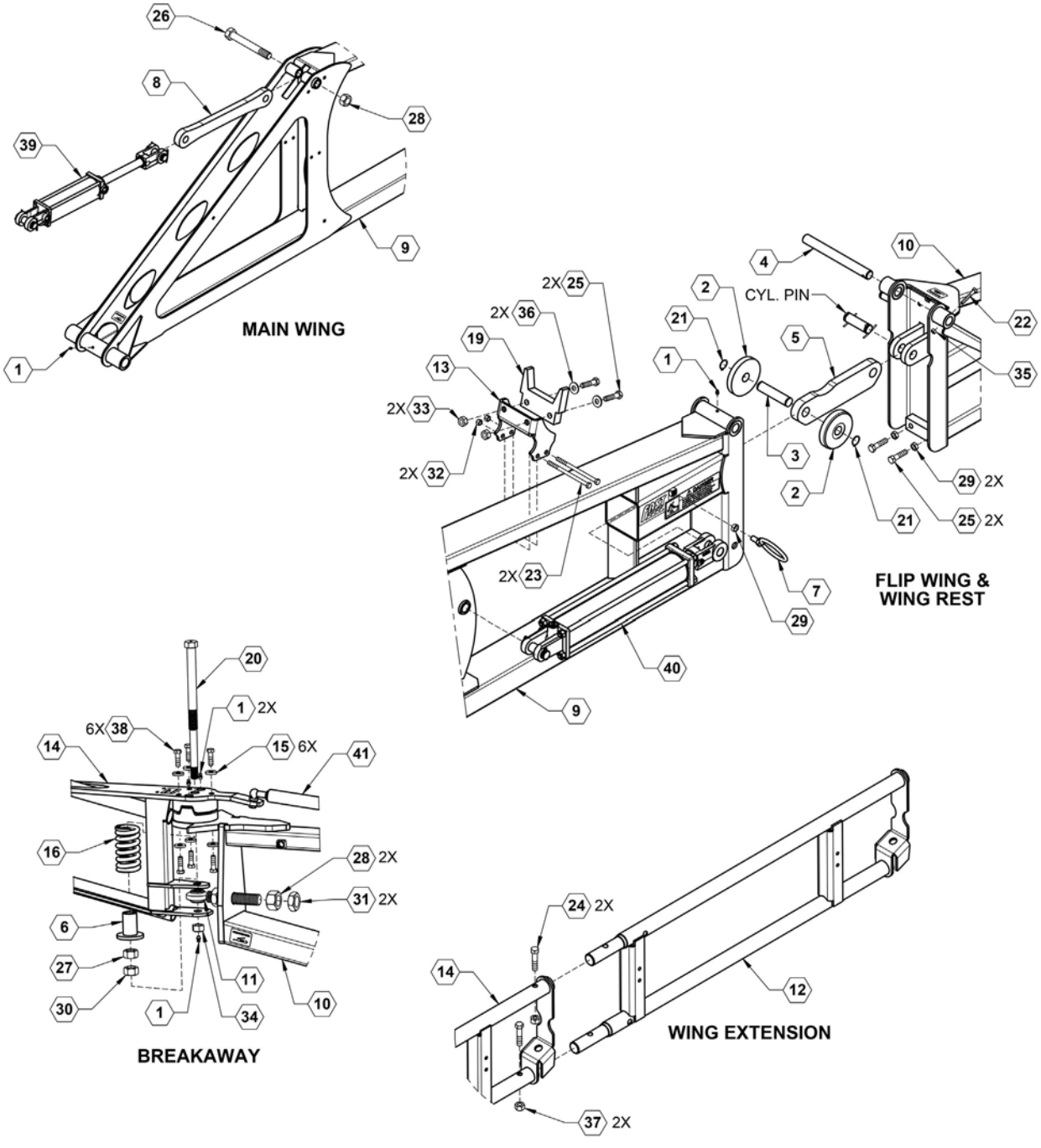
Wings - 60 & 66 Foot Boom



Wings - 60 & 66 Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
8	14149	1	LINK, WING TILT
9	14205	1	WING, MAIN 60'
10	14215	1	60' & 66' WING, FLIP
10	14660	1	60' WING, FLIP, 9600N
10	14666	1	66' WING, FLIP, 9600N
12	14627	1	3' ALUMINUM EXTENSION FOR 66' BOOM
14	18300	1	WELDMENT, 93" BREAKAWAY
16	590006	1	SPRING, COMPRESSION
19	590099	1	REST, WING
39	620023	1	CYLINDER, 25TD08-112 WING TILT
40	620057	1	CYLINDER, 30THC16.00-150 FLIP WING
41	790028	1	SHOCK, BREAKAWAY, HEAVY
	800014	4	DECAL, GREASE PIVOT POINTS
	800020	1	DECAL, FAST LOGO BLACK/GRAY
	800106	2	DECAL, DANGER-STAND CLEAR
	800110	3	DECAL, AMBER REFLECTOR

Wings - 60 & 66 Foot Boom

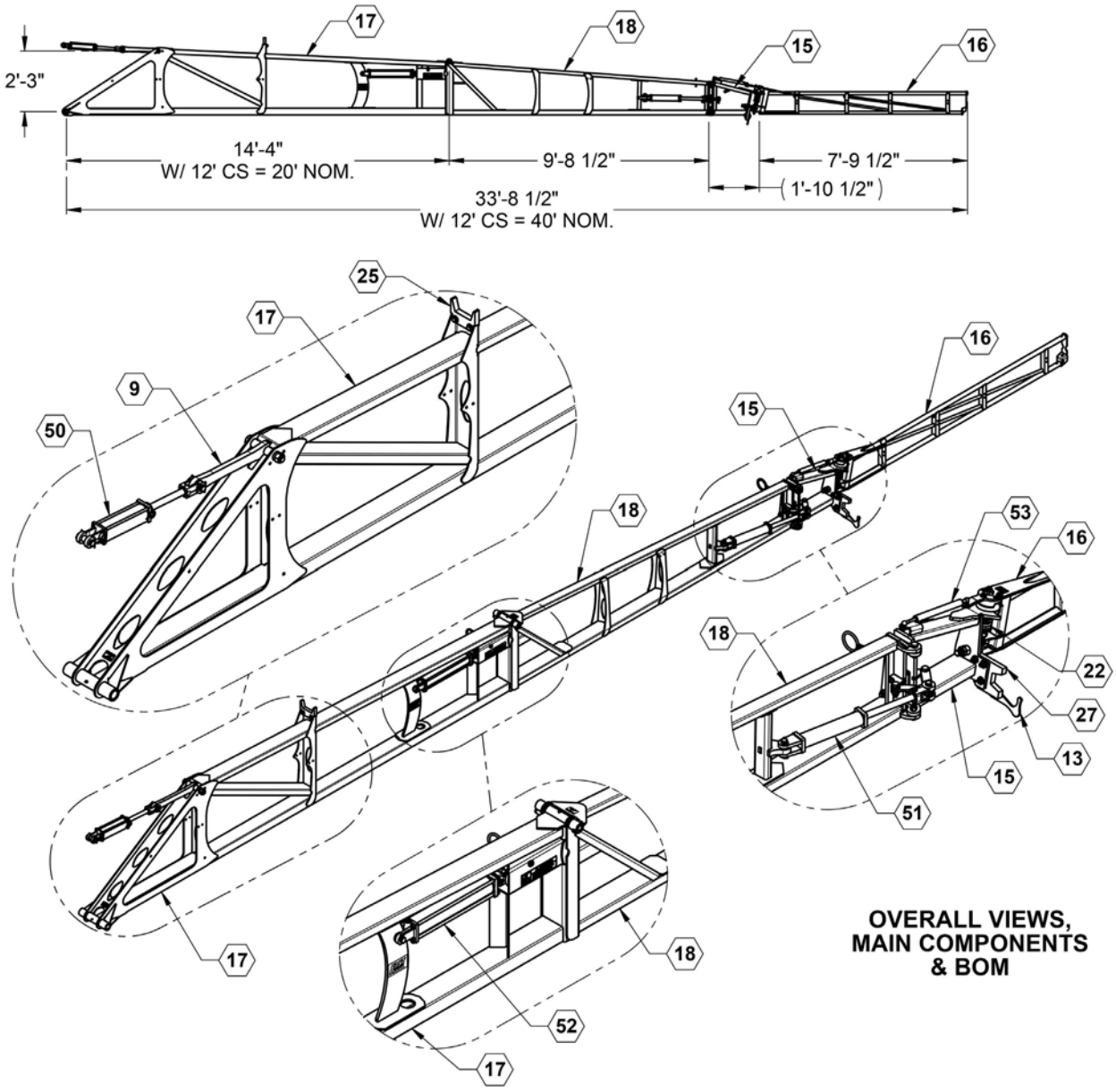


EXPLODED PARTS VIEWS

Wings - 60 & 66 Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	759	5	ZERK, 1/4-28 STRAIGHT
2	7668	2	ROLLER, WING, MACHINED
3	7669	1	PIN, ROLLER, 1"
4	9468	1	PIN, FLIP WING
5	9514	1	ARM, FLIP WING
6	14013	1	SPRING GUIDE
7	14146	1	BRACKET, HOSE RING
8	14149	1	LINK, WING TILT
9	14205	1	WING, MAIN 60'
10	14215	1	60' & 66' WING, FLIP
10	14660	1	60' WING, FLIP, 9600N
10	14666	1	66' WING, FLIP, 9600N
11	14575	1	BALL JOINT, ADJUSTMENT
12	14627	1	3' ALUMINUM EXTENSION
13	14725	1	FLIP WING STOP MOUNT
14	18300	1	WLDMNT, 93" BREAKAWAY
15	530309	6	WASHER, FLAT HEAVY 13/32 X 1
16	590006	1	SPRING, COMPRESSION
19	590099	1	REST, WING
20	590112	1	BOLT, BREAKAWAY
21	590180	2	SNAP RING 1" EXTERNAL
22	596117M	1	BOLT, HH 5/16-18X2 GR5 MAGNI
24	596142M	2	BOLT, HH 7/16X2 GR5 MAGNI
25	596154M	4	BOLT, HH 1/2-13X2 GR5 MAGNI
26	596209M	1	BOLT, HH 1-8X7-1/2 GR5 MAGNI
27	596217M	1	NUT, HEX 3/4-10 G5 MAGNI
28	596218M	3	NUT, HEX 1-8 MAGNI
29	596223M	3	NUT, HEX JAM 1/2-13 MAGNI
30	596225M	1	NUT, HEX JAM 3/4-10 GR8 MAGNI
31	596226M	2	NUT, HEX JAM 1-8 MAGNI
32	596229M	2	NUT, HEX NYLOCK 3/8-16 MAGNI
33	596231M	2	NUT, HEX NYLOCK 1/2-13 MAGNI
34	596232M	1	NUT, HEX NYLOCK 5/8-11 MAGNI
35	596236M	1	NUT, CENTERLOCK, 5/16-18 MAGNI
36	596260M	2	WASHER, FLAT 1/2 MAGNI
37	596625M	2	NUT, TOPLOCK 7/16-14 MAGNI
38	596633M	6	BOLT, HH 3/8-24X1-1/4 GR8 MAGNI
39	620023	1	CYLINDER, 25TD08-112 WING TILT
40	620057	1	CYLINDER, 30THC16.00-150 FLIP WING
41	790028	1	SHOCK, BREAKAWAY, HEAVY

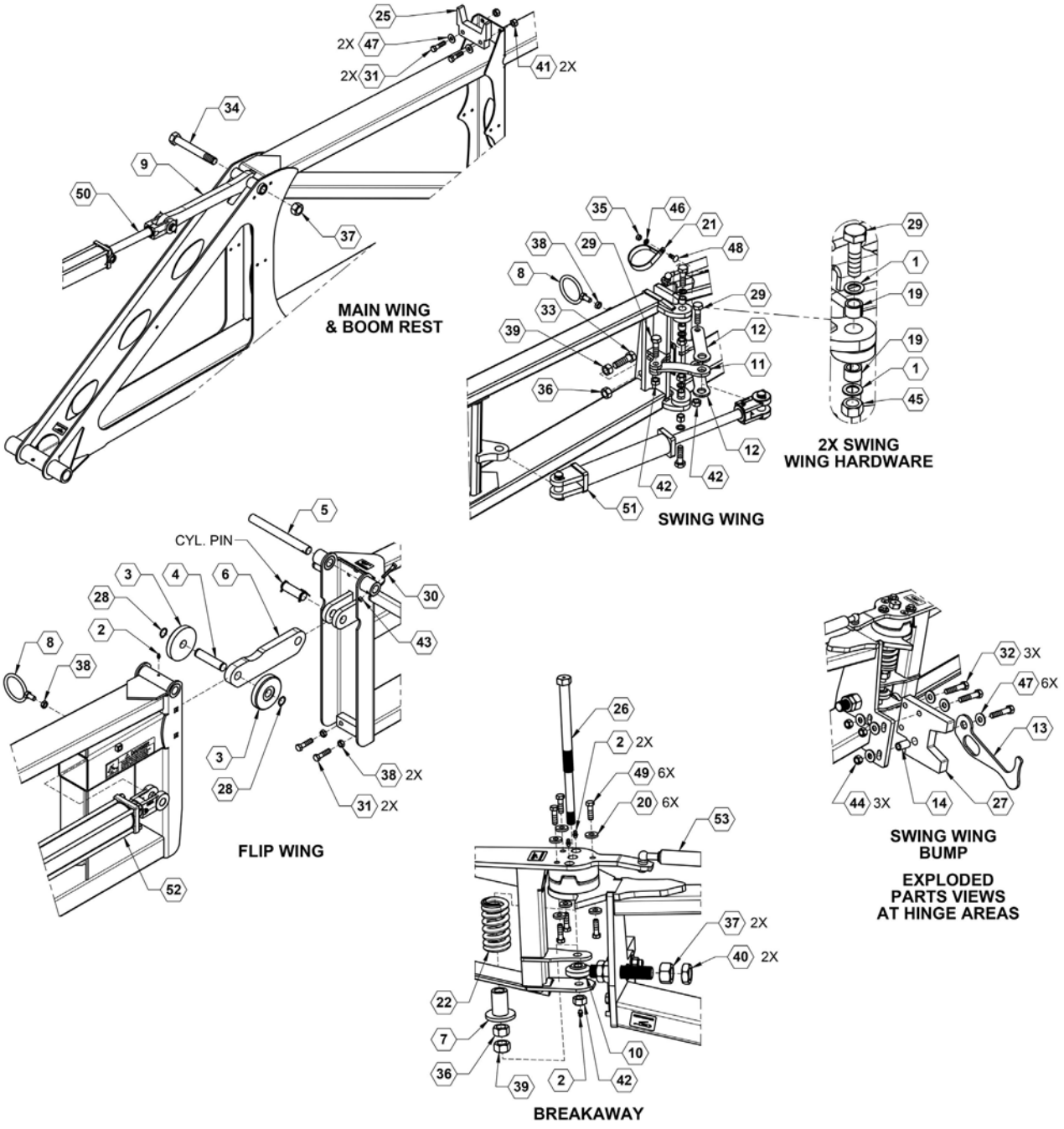
Wings - Tri-Fold 40/80 Foot Boom



Wings - Tri-Fold 40/80 Foot Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
9	14149	1	LINK, WING TILT
13	14746	1	LOCK, SWING WING
15	14825L	1	LH SWING WING, 80', 9600N
15	14825R	1	RH SWING WING, 80', 9600N
16	18300	1	WELDMENT, 93" BREAKAWAY
17	22970	1	WING, MAIN, 80' & 100' BOOM
18	22972L	1	WING, FLIP, LH, 80/40 FT BOOM
18	22972R	1	WING, FLIP, RH, 80/40 FT BOOM
22	590006	1	SPRING, COMPRESSION
25	590099	1	REST, WING
27	590405	1	BUMP, SWING WING
50	620023	1	CYLINDER, 25TD08-112 WING TILT
51	620034	1	CYLINDER, 20TD10.00-112
52	620057	1	CYLINDER, 30THC16.00-150 FLIP WING
53	790028	1	SHOCK, BREAKAWAY, HEAVY
	800014	4	DECAL, GREASE PIVOT POINTS
	800020	1	DECAL, FAST LOGO BLACK/GRAY
	800105	1	DECAL, WARNING-STAND CLEAR
	800106	2	DECAL, DANGER-STAND CLEAR
	800110	3	DECAL, AMBER REFLECTOR
	800174	2	DECAL, TF

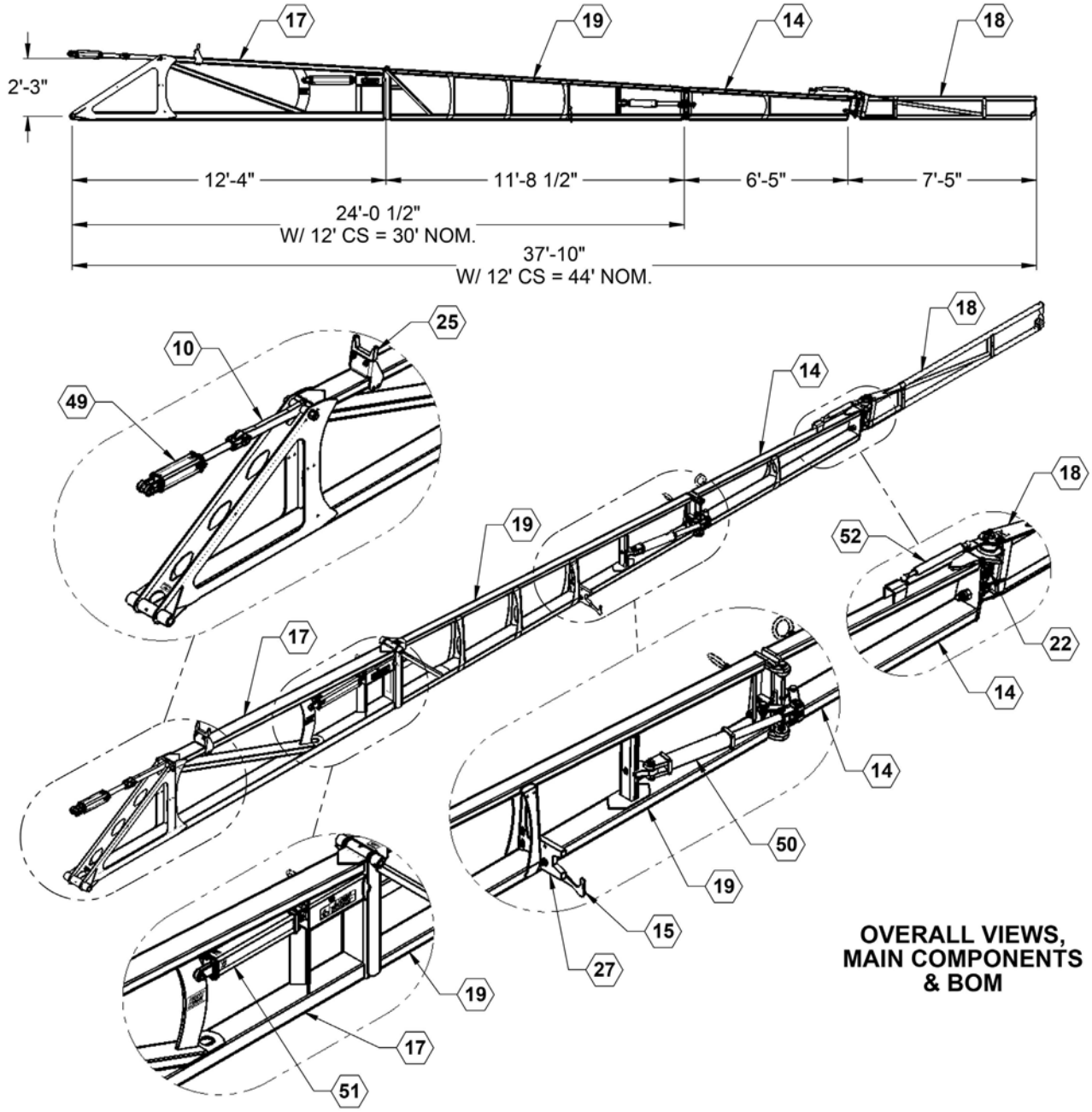
Wings - Tri-Fold 40/80 Foot Boom



Wings - Tri-Fold 40/80 Foot Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	568	4	BUSHING, MACHINED
2	759	5	ZERK, 1/4-28 STRAIGHT
3	7668	2	ROLLER, WING, MACHINED
4	7669	1	PIN, ROLLER, 1"
5	9468	1	PIN, FLIP WING
6	9514	1	ARM, FLIP WING
7	14013	1	SPRING GUIDE
8	14146	2	BRACKET, HOSE RING
9	14149	1	LINK, WING TILT
10	14575	1	BALL JOINT, ADJUSTMENT
11	14642	1	LINK, MIDDLE SCISSORS
12	14643	2	LINK, OUTSIDE SANDWICH
13	14746	1	LOCK, SWING WING
14	14747	1	SWING WING BUMP BUSHING
19	530307	4	BUSHING, CONEX
20	530309	6	WASHER, FLAT HEAVY 13/32 X 1
21	540052	1	P-CLAMP, 3" W/3/8" HOLE
22	590006	1	SPRING, COMPRESSION
25	590099	1	REST, WING
26	590112	1	BOLT, BREAKAWAY
27	590405	1	BUMP, SWING WING
28	590180	2	SNAP RING 1" EXTERNAL
29	596846M	4	BOLT, SHOULDER, 5/8 X 1.25" MAGNI
29	596845M	4	BOLT, SHOULDER, 5/8 X 1.63" MAGNI
30	596117M	1	BOLT, HH 5/16-18X2 GR5 MAGNI
31	596154M	4	BOLT, HH 1/2-13X2 GR5 MAGNI
32	596155M	3	BOLT, HH 1/2-13X2-1/2 GR5 MAGNI
33	596185M	1	BOLT, HH 3/4-10X2-1/2 MAGNI
34	596209M	1	BOLT, HH 1-8X7-1/2 GR5 MAGNI
35	596213M	1	NUT, HEX 3/8-16 MAGNI
36	596217M	2	NUT, HEX 3/4-10 G5 MAGNI
37	596218M	3	NUT, HEX 1-8 MAGNI
38	596223M	4	NUT, HEX JAM 1/2-13 MAGNI
39	596225M	2	NUT, HEX JAM 3/4-10 GR8 MAGNI
40	596226M	2	NUT, HEX JAM 1-8 MAGNI
41	596231M	2	NUT, HEX NYLOCK 1/2-13 MAGNI
42	596232M	3	NUT, HEX NYLOCK 5/8-11 MAGNI
43	596236M	1	NUT, CENTERLOCK, 5/16-18 MAGNI
44	596239M	3	NUT, CENTERLOCK, 1/2-13 MAGNI
45	596240M	2	NUT, CENTERLOCK, 5/8-11 MAGNI
46	596250M	1	LOCKWASHER 3/8 MAGNI
47	596260M	8	WASHER, FLAT 1/2 MAGNI
48	596592M	1	BOLT, CARRIAGE 3/8-16 X 1 MAGNI
49	596633M	6	BOLT, HH 3/8-24X1-1/4 GR8 MAGNI
50	620023	1	CYLINDER, 25TD08-112 WING TILT
51	620034	1	CYLINDER, 20TD10.00-112
52	620057	1	CYLINDER, 30THC16.00-150 FLIP WING

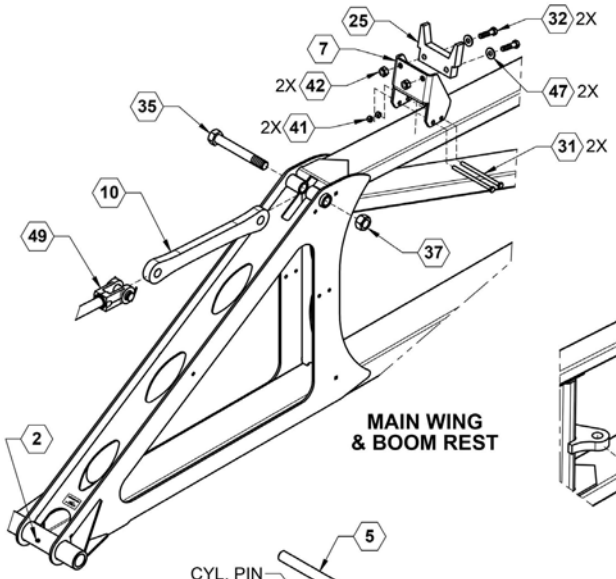
Wings - Tri-Fold 60/88 Foot Boom



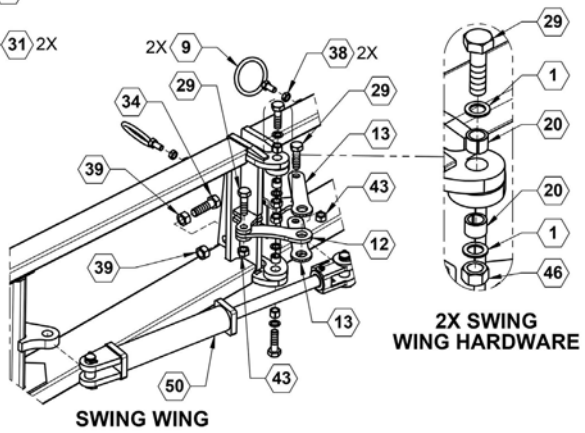
Wings - Tri-Fold 60/88 Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
10	14149	1	LINK, WING TILT
14	14715L	1	WING, LH SWING
14	14715R	1	WING, RH SWING
15	14746	1	LOCK, SWING WING
17	14750	1	MAIN WING, 9600N
18	14850	1	BREAKAWAY 83", WELDMENT
19	22969L	1	WING, FLIP, LH, 90FT BOOM
19	22969R	1	WING, FLIP, RH, 90FT BOOM
22	590006	1	SPRING, COMPRESSION
25	590099	1	REST, WING
27	590405	1	BUMP, SWING WING
49	620023	1	CYLINDER, 25TD08-112
50	620034	1	CYLINDER, 20TD10.00-112
51	620057	1	CYLINDER, 30THC16.00-150
52	790028	1	SHOCK, BREAKAWAY, HEAVY
	800014	4	DECAL, GREASE PIVOT POINTS
	800020	1	DECAL, FAST LOGO BLACK/GRAY
	800105	1	DECAL, WARNING-STAND CLEAR
	800106	2	DECAL, DANGER-STAND CLEAR
	800110	3	DECAL, AMBER REFLECTOR
	800174	2	DECAL, TF

Wings - Tri-Fold 60/88 Foot Boom

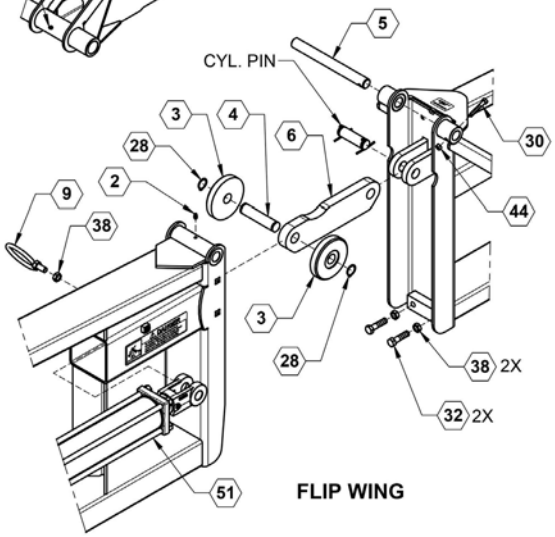


MAIN WING & BOOM REST

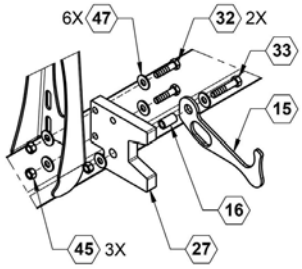


SWING WING

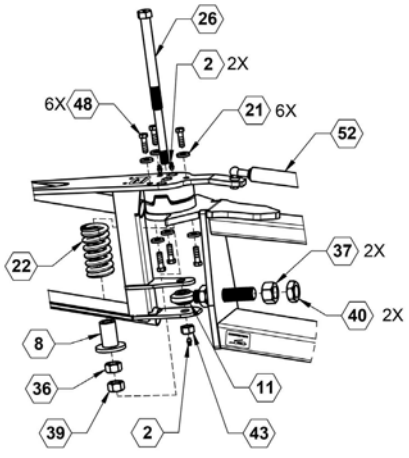
2X SWING WING HARDWARE



FLIP WING



SWING WING BUMP



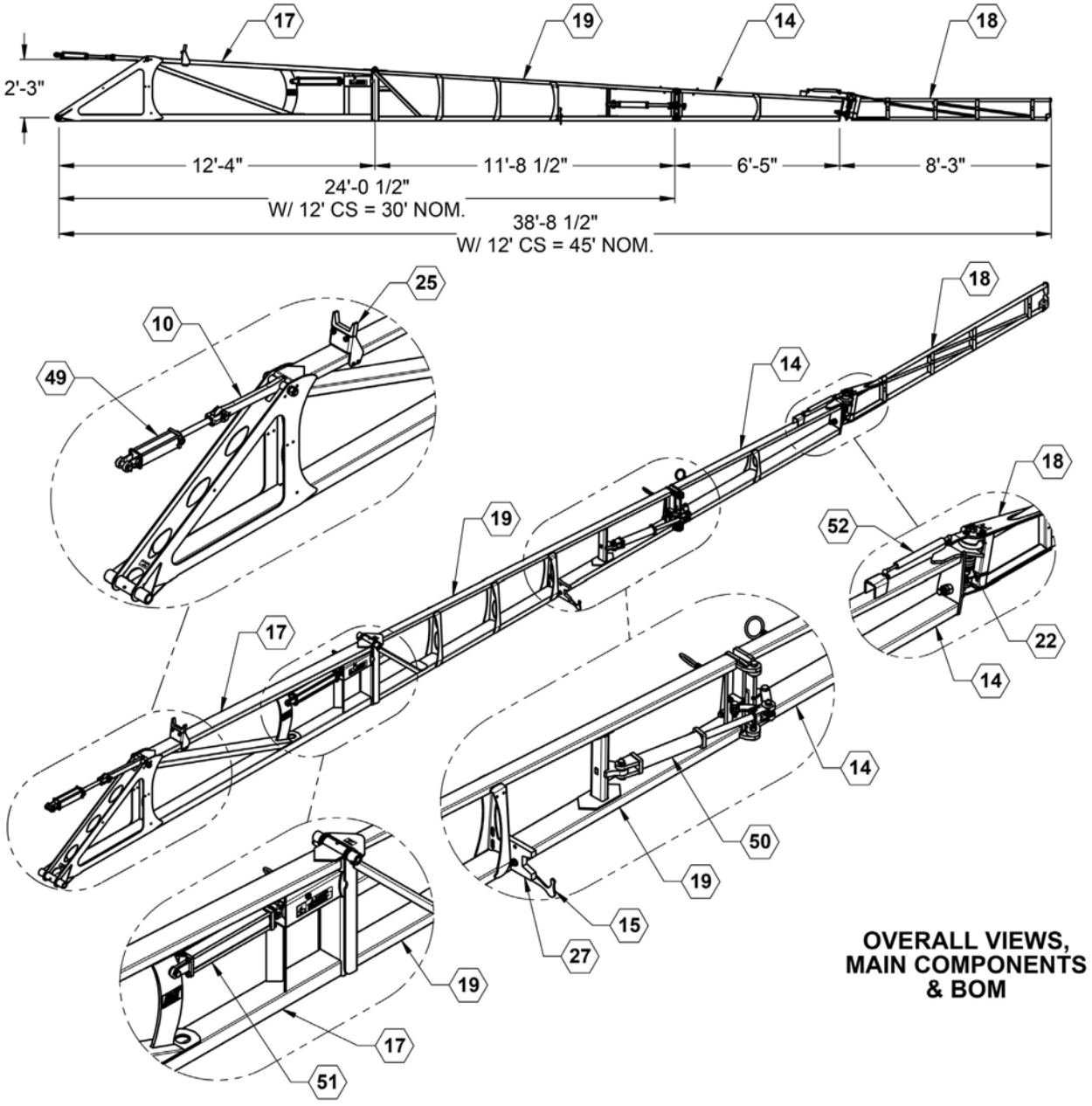
BREAKAWAY

EXPLODED PARTS VIEWS AT HINGE AREAS

Wings - Tri-Fold 60/88 Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	568	4	BUSHING, MACHINED
2	759	5	ZERK, 1/4-28 STRAIGHT
3	7668	2	ROLLER, WING, MACHINED
4	7669	1	PIN, ROLLER, 1"
5	9468	1	PIN, FLIP WING
6	9514	1	ARM, FLIP WING
7	12206	1	BRACKET, BOLT ON WING REST
8	14013	1	SPRING GUIDE
9	14146	3	BRACKET, HOSE RING
10	14149	1	LINK, WING TILT
11	14575	1	BALL JOINT, ADJUSTMENT
12	14642	1	LINK, MIDDLE SCISSORS
13	14643	2	LINK, OUTSIDE SANDWICH
15	14746	1	LOCK, SWING WING
16	14747	1	SWING WING BUMP BUSHING
20	530307	4	BUSHING, CONEX
21	530309	6	WASHER, FLAT HEAVY 13/32 X 1
22	590006	1	SPRING, COMPRESSION
25	590099	1	REST, WING
26	590112	1	BOLT, BREAKAWAY
27	590405	1	BUMP, SWING WING
28	590180	2	SNAP RING 1" EXTERNAL
29	596846M	4	BOLT, SHOULDER, 5/8 X 1.25" MAGNI
29	596845M	4	BOLT, SHOULDER, 5/8 X 1.63" MAGNI
30	596117M	1	BOLT, HH 5/16-18X2 GR5 MAGNI
31	596138M	2	BOLT, HH 3/8-16X6 GR5 MAGNI
32	596154M	6	BOLT, HH 1/2-13X2 GR5 MAGNI
33	596155M	1	BOLT, HH 1/2-13X2-1/2 GR5 MAGNI
34	596185M	1	BOLT, HH 3/4-10X2-1/2 MAGNI
35	596209M	1	BOLT, HH 1-8X7-1/2 GR5 MAGNI
36	596217M	1	NUT, HEX 3/4-10 G5 MAGNI
37	596218M	3	NUT, HEX 1-8 MAGNI
38	596223M	5	NUT, HEX JAM 1/2-13 MAGNI
39	596225M	3	NUT, HEX JAM 3/4-10 GR8 MAGNI
40	596226M	2	NUT, HEX JAM 1-8 MAGNI
41	596229M	2	NUT, HEX NYLOCK 3/8-16 MAGNI
42	596231M	2	NUT, HEX NYLOCK 1/2-13 MAGNI
43	596232M	3	NUT, HEX NYLOCK 5/8-11 MAGNI
44	596236M	1	NUT, CENTERLOCK, 5/16-18 MAGNI
45	596239M	3	NUT, CENTERLOCK, 1/2-13 MAGNI
46	596240M	2	NUT, CENTERLOCK, 5/8-11 MAGNI
47	596260M	8	WASHER, FLAT 1/2 MAGNI
48	596633M	6	BOLT, HH 3/8-24X1-1/4 GR8 MAGNI
49	620023	1	CYLINDER, 25TD08-112
50	620034	1	CYLINDER, 20TD10.00-112
51	620057	1	CYLINDER, 30THC16.00-150

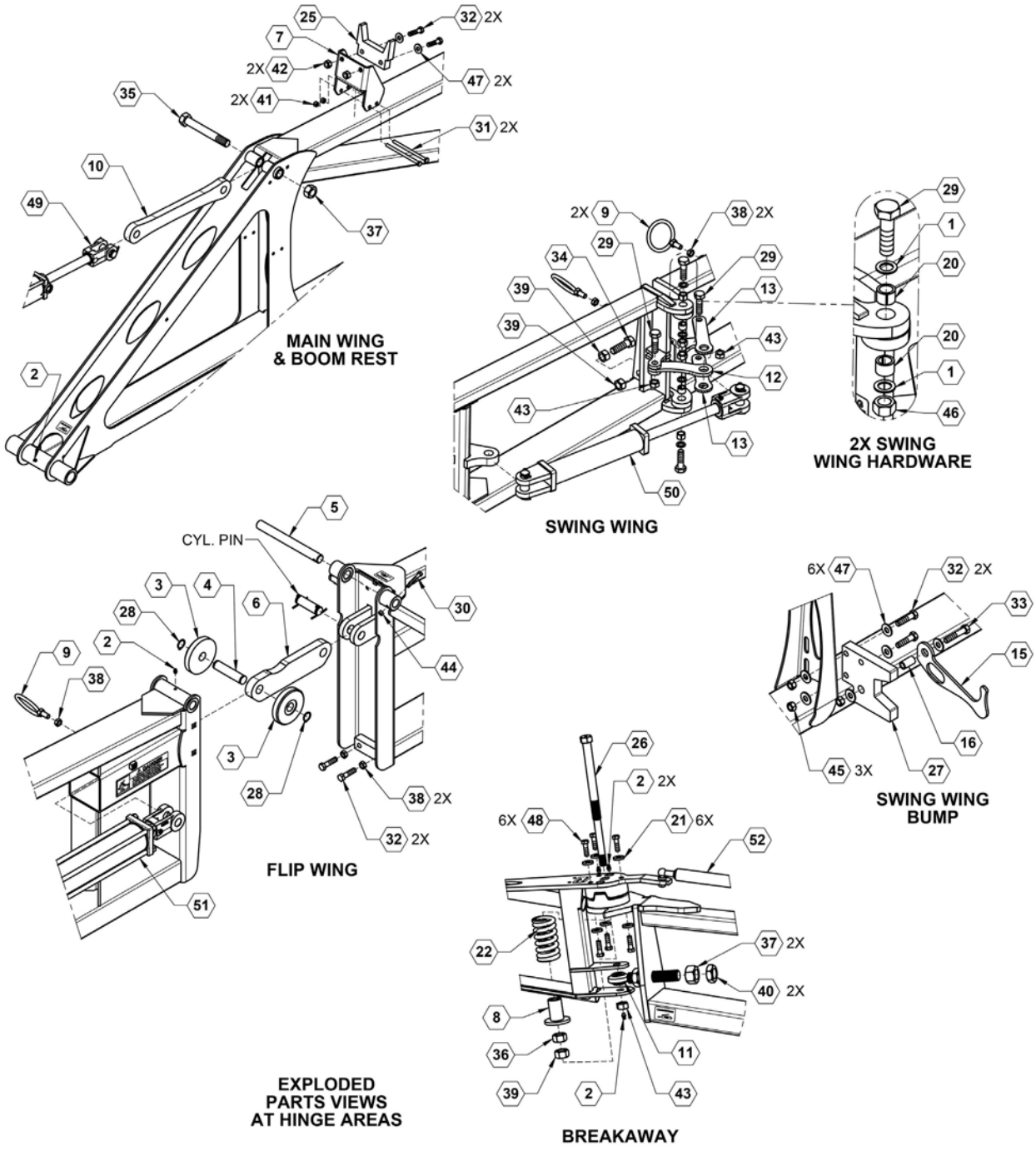
Wings - Tri-Fold 60/90 Foot Boom



Wings - Tri-Fold 60/90 Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
10	14149	1	LINK, WING TILT
14	14715L	1	WING, LH SWING
14	14715R	1	WING, RH SWING
15	14746	1	LOCK, SWING WING
17	14750	1	MAIN WING, 9600N
18	18300	1	WLDMNT, 93" BREAKAWAY
19	22969L	1	WING, FLIP, LH, 90FT BOOM
19	22969R	1	WING, FLIP, RH, 90FT BOOM
22	590006	1	SPRING, COMPRESSION
25	590099	1	REST, WING
27	590405	1	BUMP, SWING WING
49	620023	1	CYLINDER, 25TD08-112
50	620034	1	CYLINDER, 20TD10.00-112
51	620057	1	CYLINDER, 30THC16.00-150
52	790028	1	SHOCK, BREAKAWAY, HEAVY
	800014	4	DECAL, GREASE PIVOT POINTS
	800020	1	DECAL, FAST LOGO BLACK/GRAY
	800105	1	DECAL, WARNING-STAND CLEAR
	800106	2	DECAL, DANGER-STAND CLEAR
	800110	3	DECAL, AMBER REFLECTOR
	800174	2	DECAL, TF

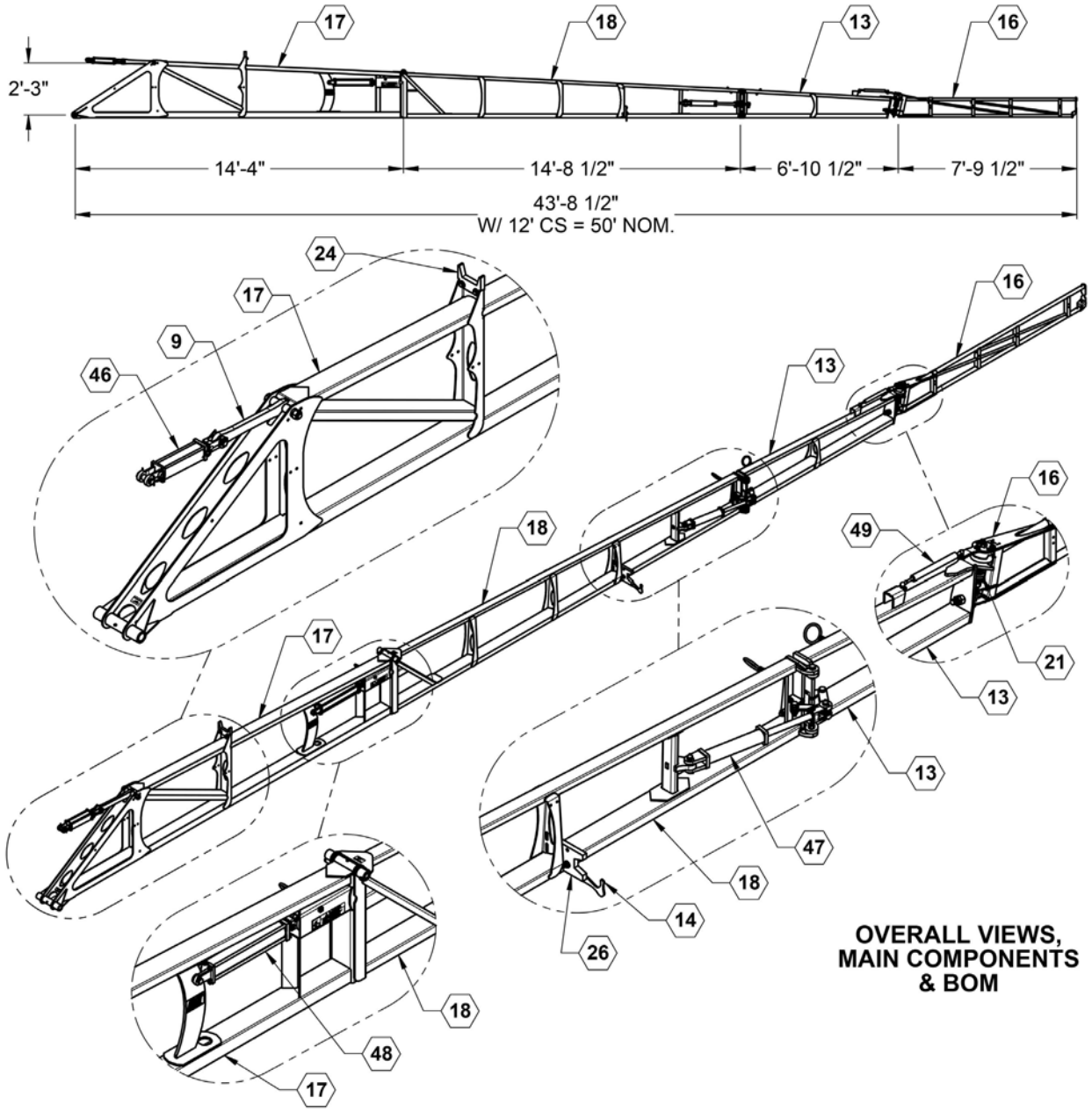
Wings - Tri-Fold 60/90 Foot Boom



Wings - Tri-Fold 60/90 Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	568	4	BUSHING, MACHINED
2	759	5	ZERK, 1/4-28 STRAIGHT
3	7668	2	ROLLER, WING, MACHINED
4	7669	1	PIN, ROLLER, 1"
5	9468	1	PIN, FLIP WING
6	9514	1	ARM, FLIP WING
7	12206	1	BRACKET, BOLT ON WING REST
8	14013	1	GUIDE, SPRING WELDMENT
9	14146	3	BRACKET, HOSE RING
10	14149	1	LINK, WING TILT
11	14575	1	BALL JOINT, ADJUSTMENT
12	14642	1	LINK, MIDDLE SCISSORS
13	14643	2	LINK, OUTSIDE SANDWICH
15	14746	1	LOCK, SWING WING
16	14747	1	SWING WING BUMP BUSHING
20	530307	4	BUSHING, CONEX
21	530309	6	WASHER, FLAT HEAVY 13/32 X 1
22	590006	1	SPRING, COMPRESSION
25	590099	1	REST, WING
26	590112	1	BOLT, BREAKAWAY
27	590405	1	BUMP, SWING WING
28	590180	2	SNAP RING, 1" EXTERNAL
29	596846M	4	BOLT, SHOULDER, 5/8 X 1.25" MAGNI
29	596845M	4	BOLT, SHOULDER, 5/8 X 1.63" MAGNI
30	596117M	1	BOLT, HH 5/16-18X2 GR5 MAGNI
31	596138M	2	BOLT, HH 3/8-16X6 GR5 MAGNI
32	596154M	6	BOLT, HH 1/2-13X2 GR5 MAGNI
33	596155M	1	BOLT, HH 1/2-13X2-1/2 GR5 MAGNI
34	596185M	1	BOLT, HH 3/4-10X2-1/2 MAGNI
35	596209M	1	BOLT, HH 1-8X7-1/2 GR5 MAGNI
36	596217M	1	NUT, HEX 3/4-10 MAGNI
37	596218M	3	NUT, HEX 1-8 MAGNI
38	596223M	5	NUT, HEX JAM 1/2-13 MAGNI
39	596225M	3	NUT, HEX JAM 3/4-10 GR8 MAGNI
40	596226M	2	NUT, HEX JAM 1-8 MAGNI
41	596229M	2	NUT, HEX NYLOCK 3/8-16 MAGNI
42	596231M	2	NUT, HEX NYLOCK 1/2-13 MAGNI
43	596232M	3	NUT, HEX NYLOCK 5/8-11 MAGNI
44	596236M	1	NUT, CENTERLOCK, 5/16-18 MAGNI
45	596239M	3	NUT, CENTERLOCK, 1/2-13 MAGNI
46	596240M	2	NUT, CENTERLOCK, 5/8-11 MAGNI
47	596260M	8	WASHER, FLAT 1/2 MAGNI
48	596633M	6	BOLT, HH 3/8-24X1-1/4 GR8 MAGNI
49	620023	1	CYLINDER, 25TD08-112
50	620034	1	CYLINDER, 20TD10.00-112
51	620057	1	CYLINDER, 30THC16.00-150

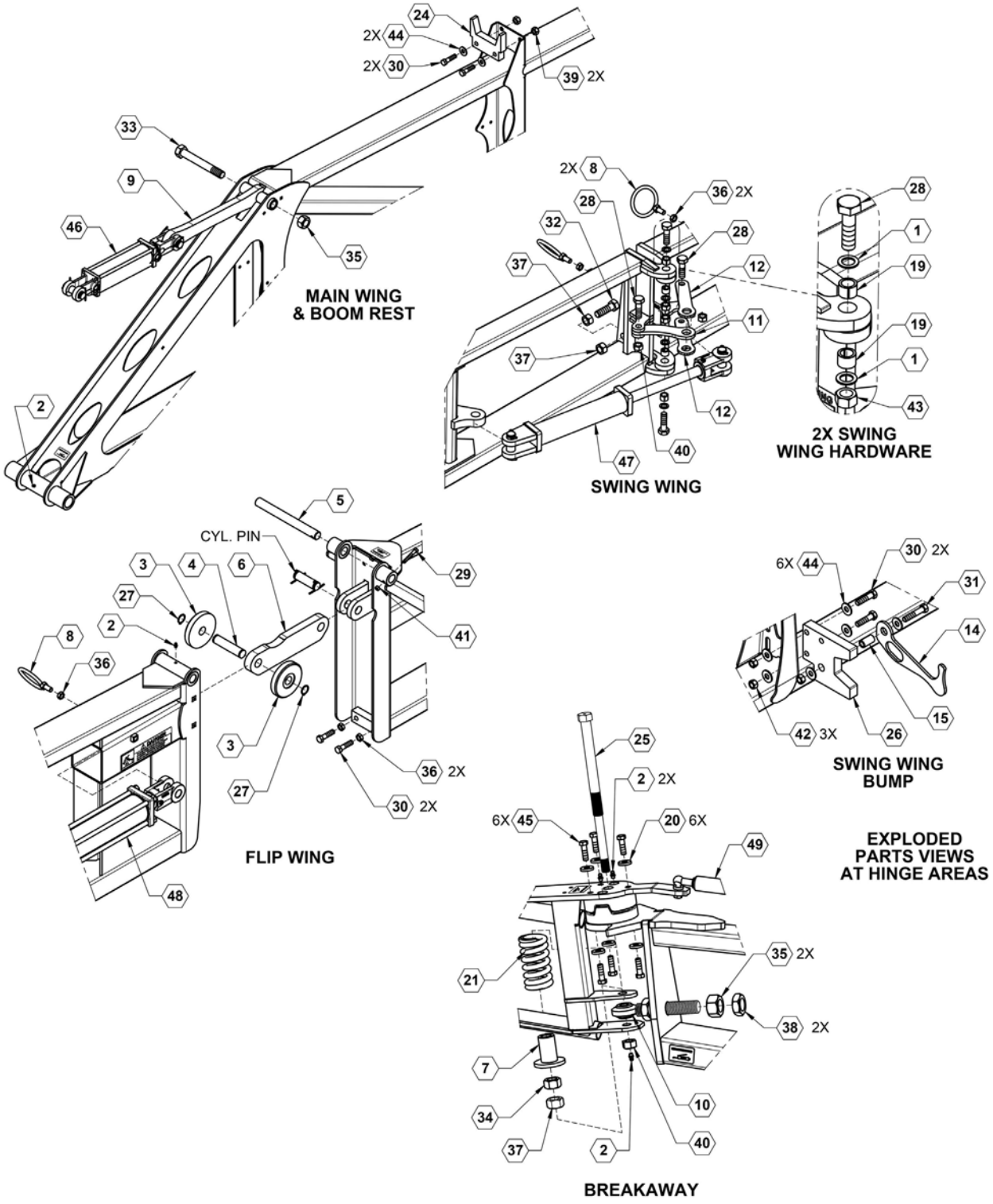
Wings - Tri-Fold 100 Foot Boom



Wings - Tri-Fold 100 Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
9	14149	1	LINK, WING TILT
13	14715L	1	WING, LH SWING
13	14715R	1	WING, RH SWING
14	14746	1	LOCK, SWING WING
16	18300	1	WELDMENT, 93" BREAKAWAY
17	22970	1	WING, MAIN, 80' & 100' BOOM
18	22971L	1	WING, FLIP, LH, 100' BOOM
18	22971R	1	WING, FLIP, RH, 100' BOOM
21	590006	1	SPRING, COMPRESSION
24	590099	1	REST, WING
26	509405	1	BUMP, SWING WING
46	620023	1	CYLINDER, 25TD08-112 WING TILT
47	620034	1	CYLINDER, 20TD10.00-112
48	620057	1	CYLINDER, 30THC16.00-150 FLIP WING
49	790028	1	SHOCK, BREAKAWAY, HEAVY
	800014	4	DECAL, GREASE PIVOT POINTS
	800020	1	DECAL, FAST LOGO BLACK/GRAY
	800105	1	DECAL, WARNING-STAND CLEAR
	800106	2	DECAL, DANGER-STAND CLEAR
	800110	3	DECAL, AMBER REFLECTOR

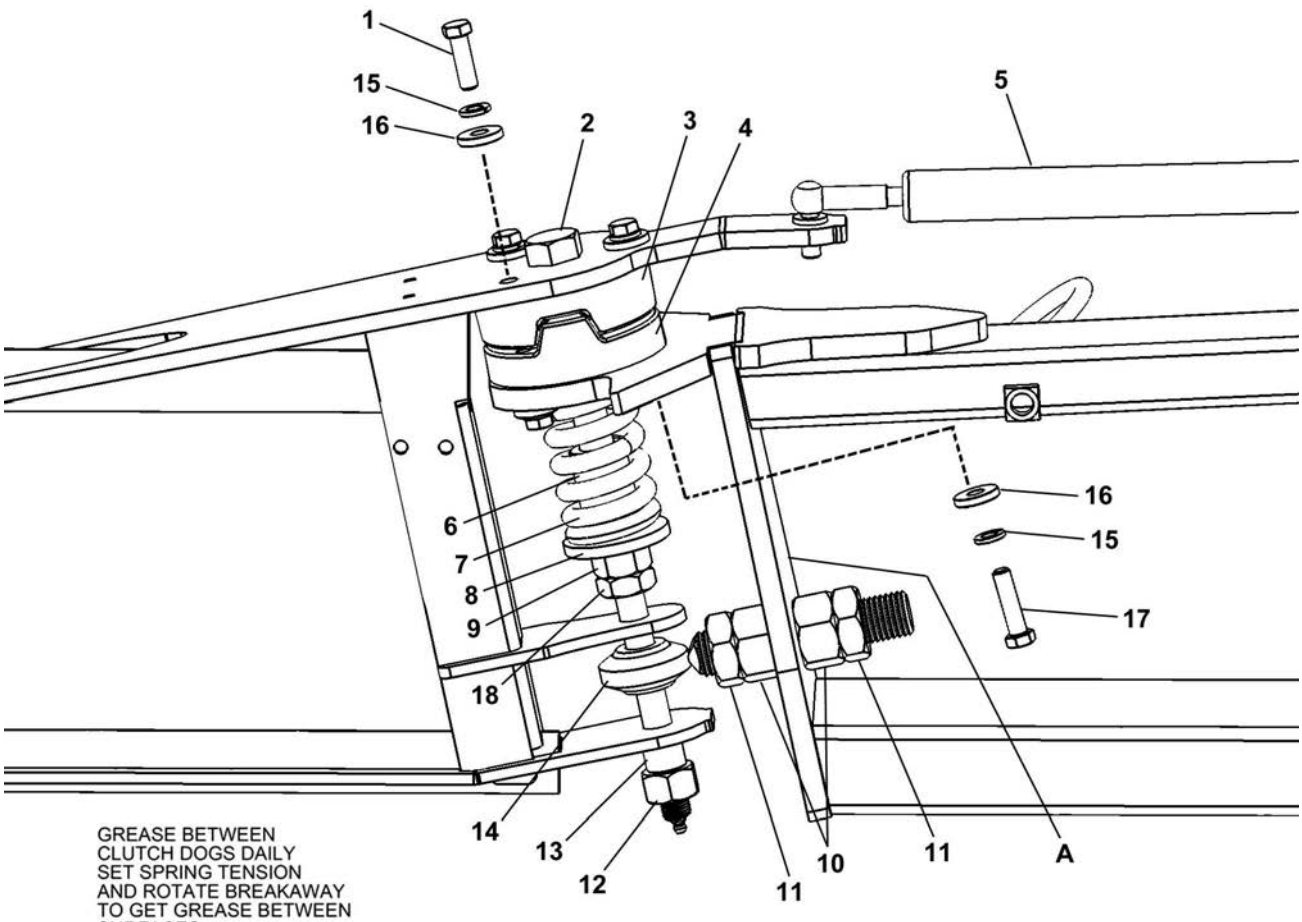
Wings - Tri-Fold 100 Foot Boom

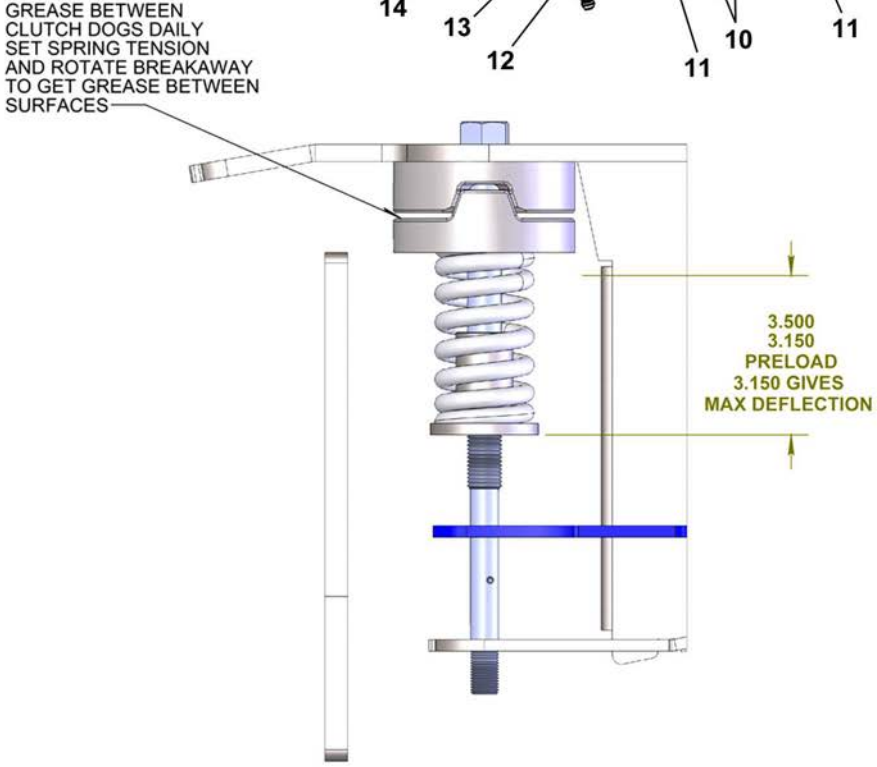


Wings - Tri-Fold 100 Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	568	4	BUSHING, MACHINED
2	759	5	ZERK, 1/4-28 STRAIGHT
3	7668	2	ROLLER, WING, MACHINED
4	7669	1	PIN, ROLLER, 1"
5	9468	1	PIN, FLIP WING
6	9514	1	ARM, FLIP WING
7	14013	1	SPRING GUIDE
8	14146	3	BRACKET, HOSE RING
9	14149	1	LINK, WING TILT
10	14575	1	BALL JOINT, ADJUSTMENT
11	14642	1	LINK, MIDDLE SCISSORS
12	14643	2	LINK, OUTSIDE SANDWICH
14	14746	1	LOCK, SWING WING
15	14747	1	SWING WING BUMP BUSHING
19	530307	4	BUSHING, CONEX
20	530309	6	WASHER, FLAT HEAVY 13/32 X 1
21	590006	1	SPRING, COMPRESSION
24	590099	1	REST, WING
25	590112	1	BOLT, BREAKAWAY
26	590405	1	BUMP, SWING WING
27	590180	2	SNAP RING 1" EXTERNAL
28	596846M	4	BOLT, SHOULDER, 5/8 X 1.25" MAGNI
28	596845M	4	BOLT, SHOULDER, 5/8 X 1.63" MAGNI
29	596117M	1	BOLT, HH 5/16-18X2 GR5 MAGNI
30	596154M	6	BOLT, HH 1/2-13X2 GR5 MAGNI
31	596155M	1	BOLT, HH 1/2-13X2-1/2 GR5 MAGNI
32	596185M	1	BOLT, HH 3/4-10X2-1/2 MAGNI
33	596209M	1	BOLT, HH 1-8X7-1/2 GR5 MAGNI
34	596217M	1	NUT, HEX 3/4-10 G5 MAGNI
35	596218M	3	NUT, HEX 1-8 MAGNI
36	596223M	5	NUT, HEX JAM 1/2-13 MAGNI
37	596225M	3	NUT, HEX JAM 3/4-10 GR8 MAGNI
38	596226M	2	NUT, HEX JAM 1-8 MAGNI
40	596232M	3	NUT, HEX NYLOCK 5/8-11 MAGNI
41	596236M	1	NUT, CENTERLOCK, 5/16-18 MAGNI
42	596239M	3	NUT, CENTERLOCK, 1/2-13 MAGNI
43	596240M	2	NUT, CENTERLOCK, 5/8-11 MAGNI
44	596260M	8	WASHER, FLAT 1/2 MAGNI
45	596633M	6	BOLT, HH 3/8-24X1-1/4 GR8 MAGNI
46	620023	1	CYLINDER, 25TD08-112 WING TILT
47	620034	1	CYLINDER, 20TD10.00-112
48	620057	1	CYLINDER, 30THC16.00-150 FLIP WING

Breakaway Pivot

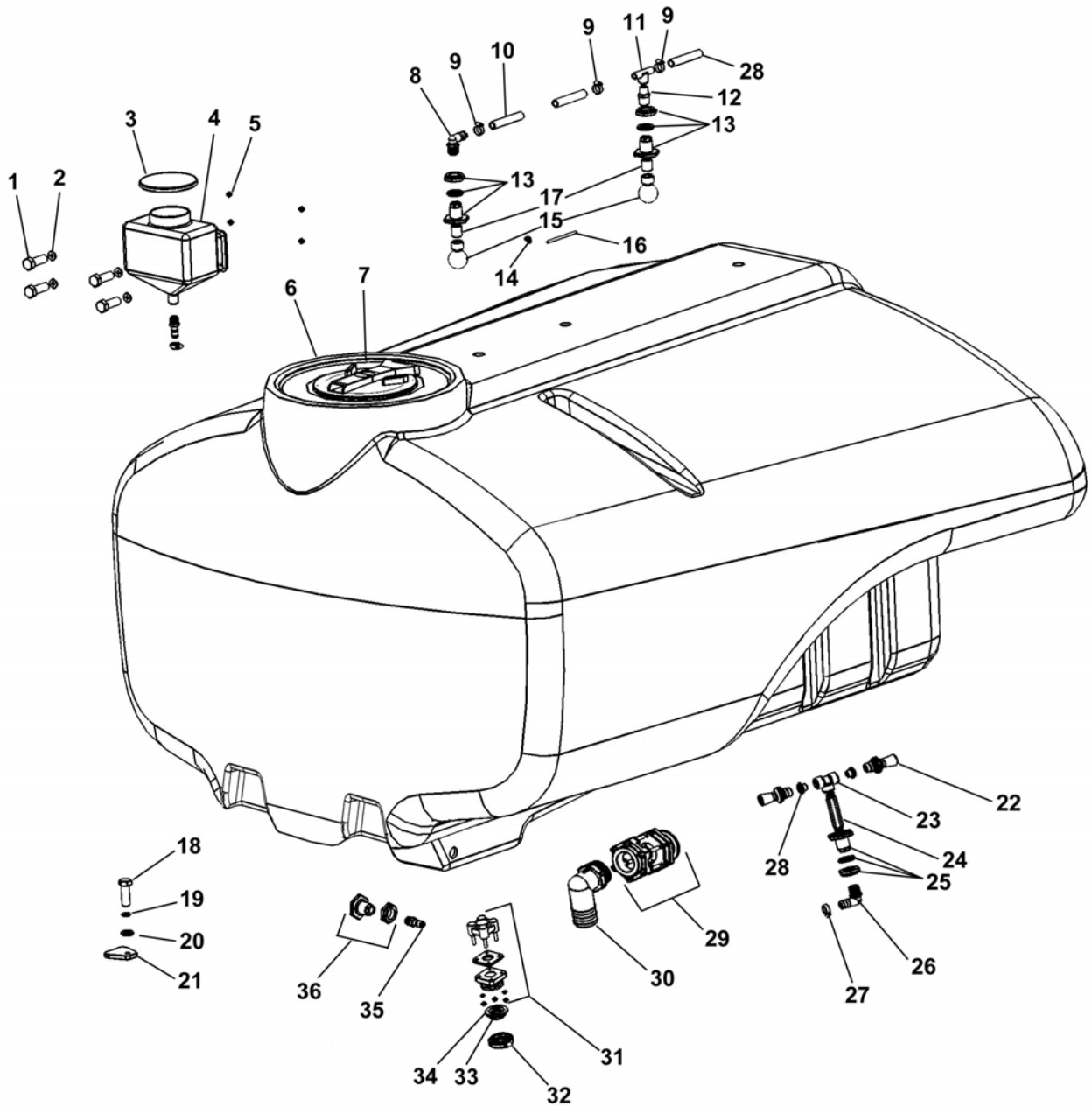




Breakaway Pivot Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		596633M	6	Bolt Hex Head 3/8-24 x 1-1/4 GR8 Magni
2		590112	1	Bolt Hex Head Breakaway Pivot
3	14457	590074	1	20° Clutch Male Half
4	14458	590073	1	20° Clutch Female Half
5	EL-2X3X2-046	790028	1	Shock Breakaway, Heavy
6		14013	1	Guide, Spring Breakaway
7		590006	1	Spring, Breakaway
8		14013	1	Guide, Spring Breakaway
9		217	1	Nut Hex Head 3/4” Zp
10		799	2	Nut Hex Head 1” Zp
11		226	2	Nut Hex Head Jam 1” Zp
12		216	1	Nut Hex Head 5/8 Zp
13		14268	1	Collar
14		14575	1	Breakaway Adjustment Bolt
15		250	6	Lock Washer 3/8 Zp
16		530309	6	Flat Washer Heavy 3/8
17		368	3	Bolt Hex Head 3/8 x 1-1/2 GR8 Zp
18		225	1	Nut Hex Head Jam 3/4" Zp
19		12388	1	Early Unit Update - Replaces 3/4" #14 when plate (A) has a 3/4 x 1-1/2" Slot

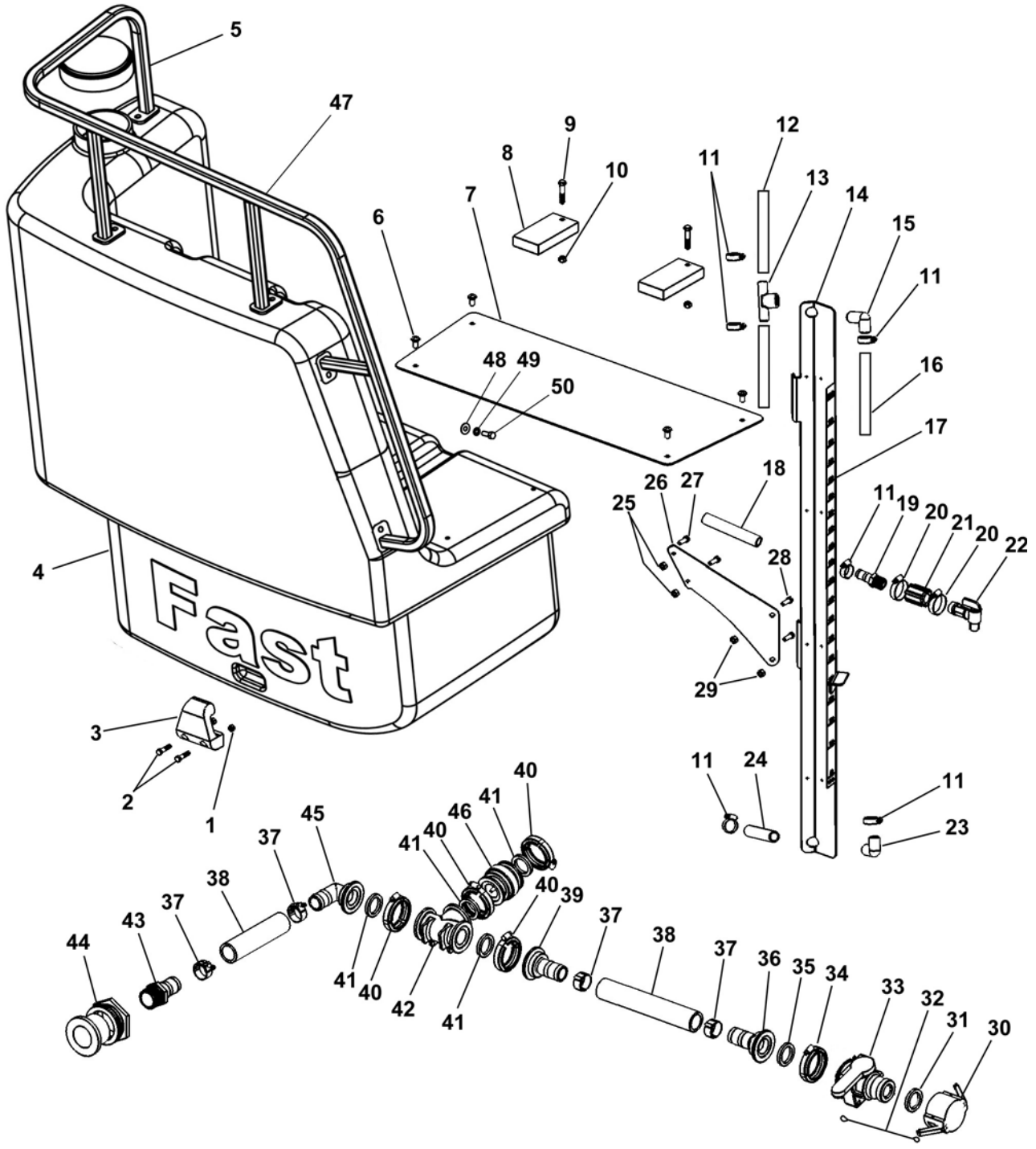
Tank Assembly



Tank Assembly Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		129	4	Bolt HH 3/8 X 1-1/2 GR5 Zp
2		258	4	Washer Flat 3/8 Zp
3		10522	1	5" Vented Lid
4		570038	1	Rinse Tank 2.5 Gallon, Yellow
4	SP002-5SYLS	570044	1	Rinse Tank 2.5 Gallon, White
4	SP0005-SQ5	570125	1	Rinse Tank 5 Gallon, Yellow, 5" Screw on Lid
5		169	4	Nut HH 3/8 Whizlock Zp
6		570063	1	TANK, 1800, AG YELLOW, With Fittings and Lid
		570064	1	TANK, 1800, AG WHITE, With Fittings and Lid
		570066	1	TANK, 2400, AG WHITE, With Fittings and Lid
		570067	1	TANK, 2400, AG YELLOW, With Fittings and Lid
7	10516	570070	1	Lid, Hytek
8	HB10075-90	530042	1	Hose Barb 1" MPT X 3/4" HB X 90°
9	64012H	540013	4	Clamp, Hose 3/4" SS
10	3/4BH200	510012	36"	Hose 3/4" EDPM
11	3T34F	530220	1	3/4" Tee HB X 3/4" FPT
12	RN100075	530148	1	Nipple Reducer 1" X 3/4"
13	67172	530160	2	Bulkhead Fitting 3/4"
14	44103211	530004	2	Connector 90° 1/4 Tube X 1/4 NPT
15	TJ-55270-3.4-18-POM	520012	2	Tank Rinse Ball
16	2T20-604	510024	120"	LLDP 1/4" OD Poly Tubing
17	BJ-NIP075-6	530130	2	Nipple 3/4 x 6"
18		170	2	Bolt HH 5/8 X 2 GR5 Zp
19		253	2	Washer Lock 5/8" Zp
20		261	2	Washer Flat 5/8" Zp
21	10244	590023	2	Holddown Tab Poly
22	Y33180-PP	520028	2	Agitation Nozzle
23	HBT075	530054	1	Tee 3/4" Hose Barb
24	NIP075-6	530130	1	Nipple 3/4" X 6"
25	TF075	530160	1	Bulkhead Fitting 3/4" Banjo
26	HB075-90	530040	1	Hose Barb 3/4" X 90°
27	64012H	540013	1	Clamp Hose 3/4" SS
28	RB075038	530140	2	Bushing Reducer 1/2 x 3/8"
29	BJMF300	530120	1	Bottom Drain 3"
30	HB300-90	530053	1	Hose Barb Elbow 3" 90°
31	MBF200BD	530118	1	Bottom Drain 2" Standard Port
32	FC200	540001	1	Flange Clamp 2" Standard Port
33	M200PLG	530093	1	Plug 2" Standard Port
34	150G	530014	1	Gasket 2" Standard Port
35	HB075	530230	1	Hose Barb 3/4"
36	TF075	530160	1	Bulkhead Fitting 3/4" Banjo

Rinse Tank, Plumbing & Sight Gauge



Rinse Tank, Plumbing & Sight Gauge Parts List

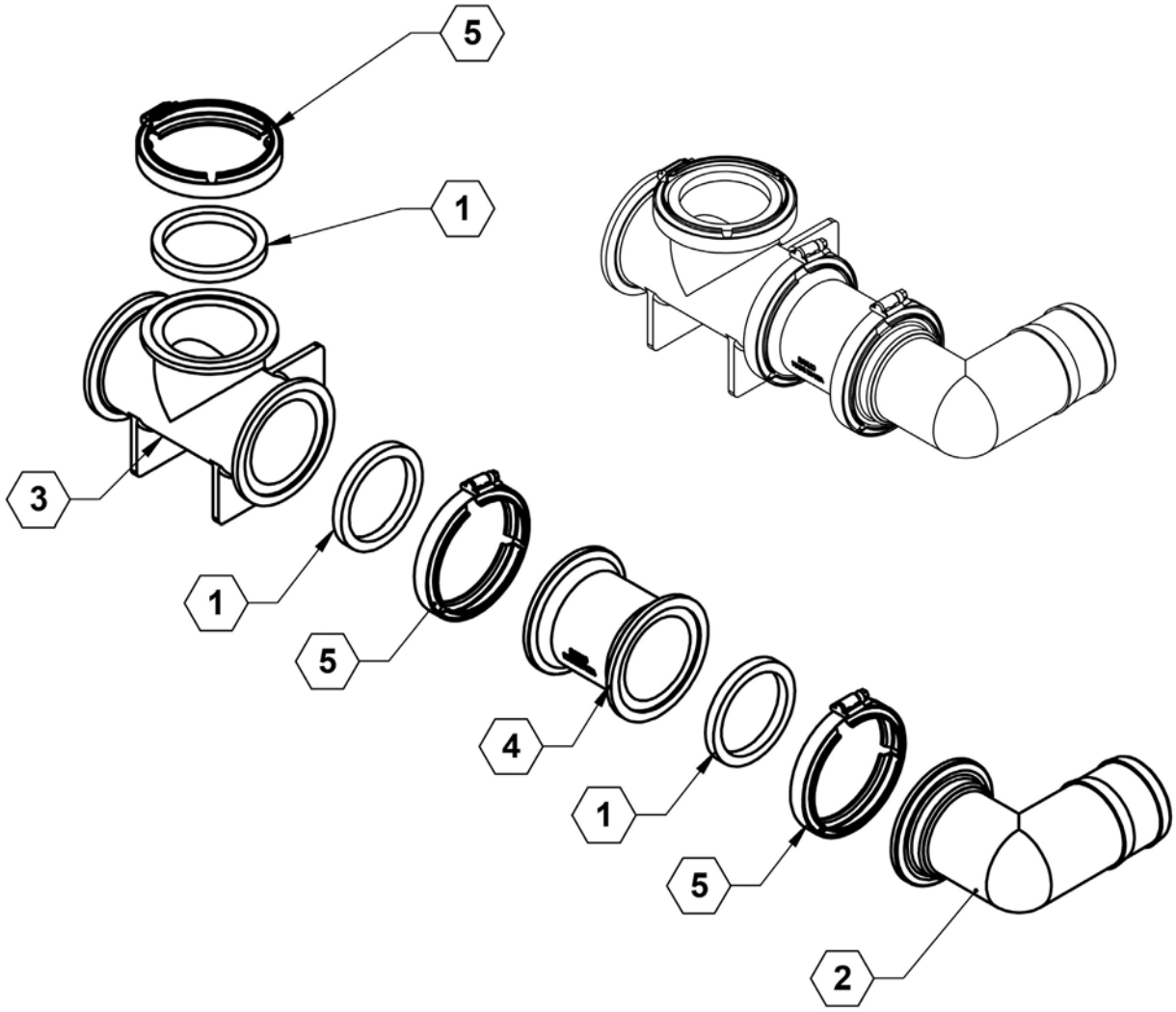
ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		228	2	Nut HH 5/16" Nylock Zp
2		116	2	Bolt HH 5/16 X 1-1/2 GR5 Zp
3	10643	590022	2	Poly Rinse Tank Holddown
4	10602W	570003	1	Tank Rinse 100 Gallon White
	10602Y	570004	1	Tank Rinse 100 Gallon Yellow
	10918		1	ACE Fitting
5	AR-10522		1	5" Vented Lid
6		607	4	Bolt Truss Head 3/8 X 3/4 Zp
7		10612	1	Platform Top Safety Plate
8		10669	2	Poly Rinse Tank Holddown
9		130	2	Bolt HH 3/8 X 2 GR5 Zp
10		769	2	Nut HH 3/8" Whizlock Zp
11	64012	540013	5	Clamp Hose 3/4"
12	15017503	510008	6"	Hose EVA 3/4"
13	3T34F	530220	1	Tee Hose Barb X 3/4 NPTF
14		10921	1	Formed Sight Guage Support 1000 Gallon
		10919	1	Formed Sight Guage Support 1250 Gallon
15	3EL34	530210	1	Hose Barb Elbow 3/4"HB X 3/4"NPTM
16	15007008	510006	66.5"	Hose Vinyl Clear 3/4" 1000 Gallon
17	13595	800040	1	Decal Gallon 1000 Gallon Tank
NS	13596	800041	1	Decal Gallon 1250 Gallon Tank
18	15007008	510006	40"	Hose Vinyl Clear 3/4"
19	HB075	530230	1	Hose Barb 3/4"
20	64020H	540015	2	Clamp Hose 1-1/2"
21	CPLG075	530235	1	Coupling 3/4" Npt
22	DF-103	510022	1	Flo-Rite Faucet
23	3EL34HB	530214	1	Hose Barb 90°
24	15007008	510006	58"	Hose Vinyl Clear 3/4"
25		768	2	Nut HH 5/16 Whizlock Zp
26		10818	1	Sight Guage Support Bracket
27		115	2	Bolt HH 5/16 X 1 GR5 Zp
28		152	2	Bolt HH 1/2 X 1 GR5 Zp
29		771	2	Nut HH 1/2" Whizlock
30	200CAP	530017	1	2" Cam Lock Cap W/530019 Gasket
31	200G	530019	7	Gasket 2" Standard Thickness
	200GXT		SP	Gasket 2" Extra Thick
32	HN-79.12	530179	1	Lynard 12"
33	VSF200CF	500037	1	Valve Manifold X 2" Male Adapter
34	FC200	540001	6	Clamp Manifold 2" Standard Port
35	150G	530014	1	Gasket 2"
36	M150BRB	530079	2	Manifold 1-1/2" Hose Barb
37	TC-181	540006	4	Clamp T-Bolt 1-1/2"
38	12012800	510002	27"	Fertilizer Solution Hose 1-1/2"
39	M220150BRB	530100	1	Manifold 2" Full Port X 1-1/2 Hose Barb
40	FC220	540002	4	Clamp Manifold 2" Full Port
41	200G	530019	4	Gasket 2" Full Port
42	M220TEE	530097	1	Manifold Tee 2" Full Port
43	HB125-125	530045	1	Hose Barb 1-1/2 NPT X 1-1/2 Hose Barb
44	AR10918	570071	1	Bulkhead 1/14"
45	M220150BRB90	530100	1	Manifold Hose Barb Elbow 90°
46	CV220	500003	1	Manifold Check Valve
47		10638	1	Handrail Rise Tank
48		258	5	Washer Flat 3/8"
49		250	5	Washer Lock 3.8"
50		128	5	Bolt HH 3/8 x 1"

9500 Trailer Decals and Misc

9500 Trailer Decals and Misc Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
	13508	1	VALVE EXTENSION HANDLE ARROW
	15829	1	WASHER, SAFETY CHAIN
	15835	1	DOM, SAFETY CHAIN SPACER
	21188L	1	PLATE, FORMED, STEP MOUNT
	21188R	1	PLATE, FORMED, STEP MOUNT
	530026	1	1" EPDM BOLTED FLANGE GASKET
	530036	1	3/4" MPT X 1" HOSE SHANK-90°
	530050	1	2" MPT X 1-1/2" HOSE SHANK
	530101	2	2" FP FLANGE X 1-1/2" HB-90°
	530110	2	2" MANIFOLD TEE - 220 SERIES
	530221	1	TEE, 3/4" X 3/4" MPT BY HB
	530256	1	1-1/4" MPT X 1-1/2" HOSE BARB
	530358	1	QUICK CONNECT, 3/4" HB, 90°
	540020	2	CLAMP, STAINLESS 3-1/2" #56
	590001	4	3/8 X 3/4 PHILLIPS PAN HEAD SMS
	590024	2	SADDLE BASE PAD
	590113	1	BUMP PLATE LH
	590114	1	BUMP PLATE RH
	590127	4	PLUG 1-1/4" PLASTIC SQUARE TUBE
	590137	3	NUT HH CENTERLOCK 1" NC ZP
	590153	2	BOLT 1 X 6-3/4,1-1/4 TRD MAGNI
	590156	1	U-BOLT 2 X 3 X 1/4" SS
	590226	1	BOLT HH 1 X 3-1/4 GR5 ZP
	720001	2	PIN, SNAP
	750048	1	MANUAL HOLDER
	790008	3	WASHER, THRUST 1-5/8" I.D.
	790049	1	CHAIN, SAFETY 20,000 LB
	800003	1	DECAL, WARNING FALLING HAZARD
	800004	1	DECAL, WARNING HIGH PRESSURE
	800005	1	DECAL, UPENDING HAZARD
	800006	1	DECAL DANGER ELECTROCUTION HAZZARD
	800007	1	DECAL, DANGER CHEMICAL HAZARD
	800008	1	DECAL, WARNING TOXIC CHEMICAL
	800009	2	DECAL, WARNING OVERHEAD HAZARD
	800010	2	DECAL, WARNING INSTALL PIN
	800013	1	DECAL, DANGER CRUSHING HAZARD
	800014	2	DECAL, GREASE PIVOT POINTS
	800017	1	DECAL MAIN TANK VALVE OPERATION
	800018	1	DECAL RINSE TANK OPERATION SUC
	800016	1	DECAL, ELECTRIC AGITATION
	800021	2	DECAL FAST SPARYERS LOGO BLACK/GREEN
	800023	2	DECAL POWDER COAT /WHITE BACKGROUND
	800024	1	DECAL REAR LIFT CYLINDER VALVE
	800026	1	DECAL VALVE OPERATION FOR HYPRO
	800029	2	DECAL 62" WHEEL TRACK LUG NUT TORQUE
	800031	1	DECAL, AXLE POSTION
	800057	1	DECAL US PATENT 7585000
	800042	2	DECAL 9518
	800047	2	DECAL 9524
	800208	1	DECAL, HYDRAULIC HOSE KEY

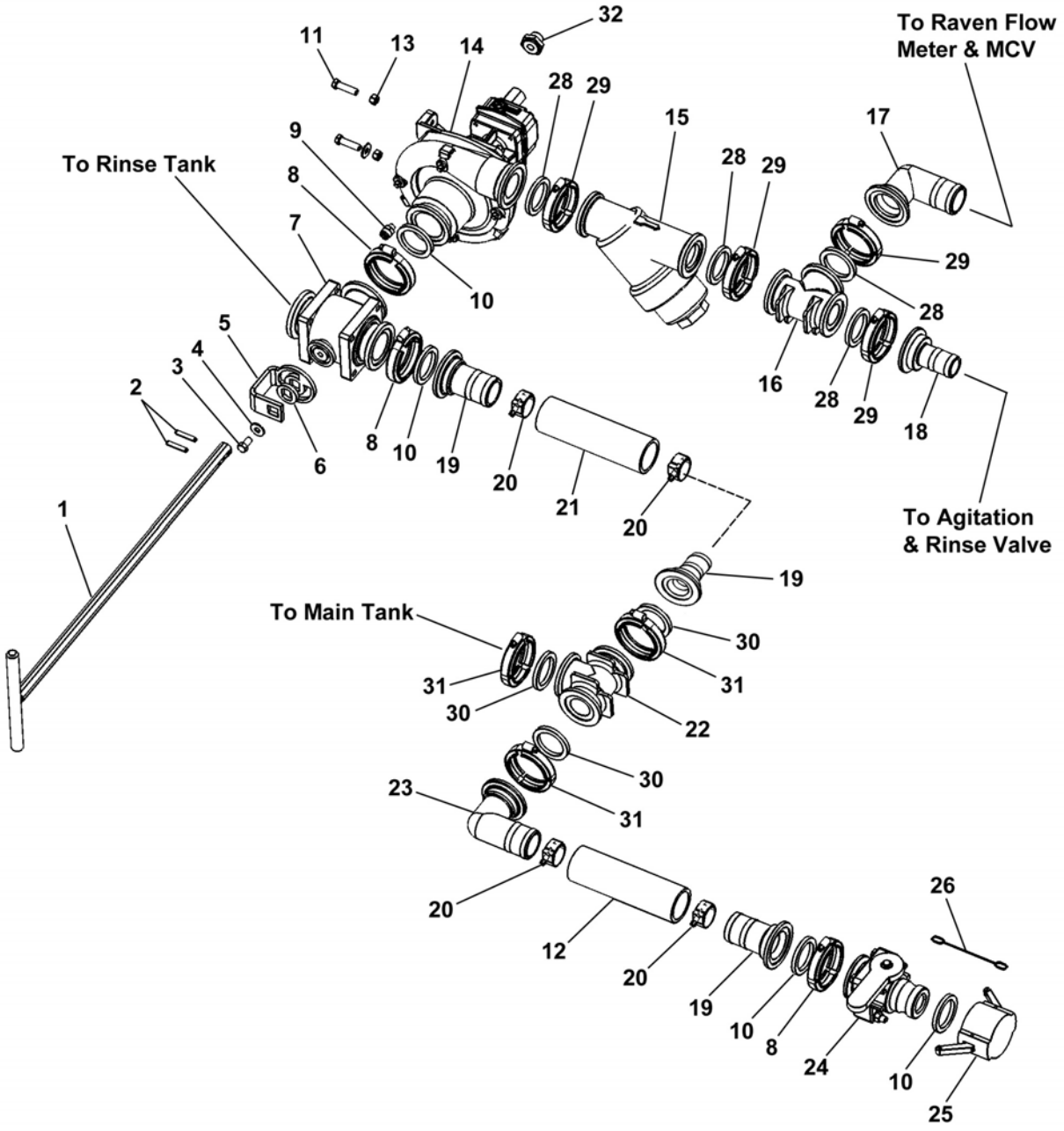
Bottom Assembly Fittings



Bottom Assembly Fittings Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	530024	3	GASKET, 3" EPDM
2	530114	1	FLANGE, 3" X 3" HOSE BARB 90°
3	530115	1	MANIFOLD, 3" TEE
4	530448	1	3" FLANGE X 3" FLANGE
5	540003	3	CLAMP, WORM SCREW 3"

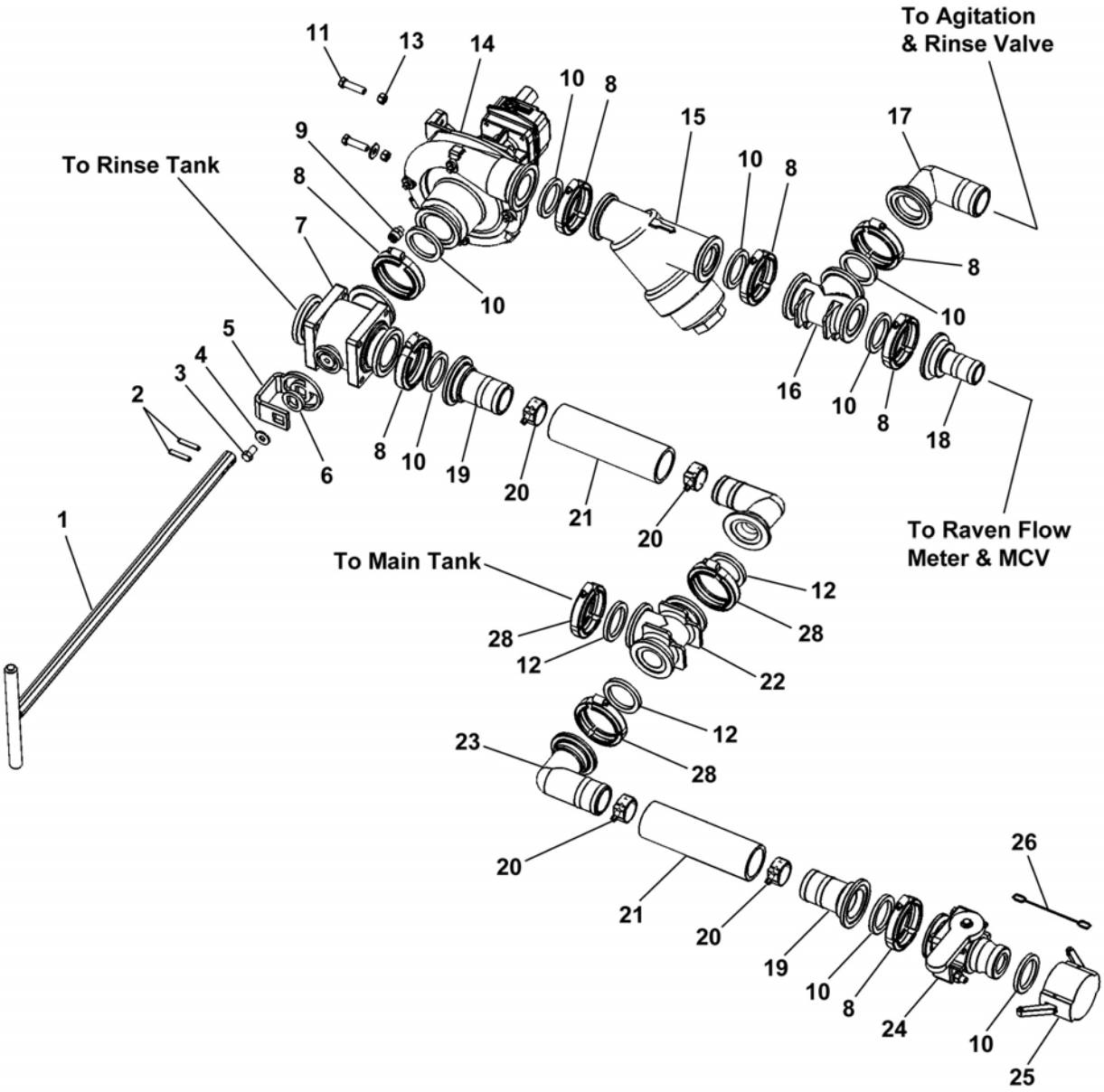
Quick Fill & Pump Feed - 60-66 Ft Boom With ACE 150-206 Pump



Quick Fill & Pump Feed - 60-66 Ft Boom With ACE 150-206 Pump Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		7236	1	Valve Handle Extension
2		683	2	Pin, Spring 1/4 x 2
3		127	1	Bolt HH 3/8 x 3/4 GR5 Zp
4		258	1	Washer, Flat 3/8” Zp
5		7232	1	Valve Handle Adapter
6		7233	1	Valve Handle Collar
7	MV220BL	500034	1	Manifold Valve 2” Full Port Bottom Load
8	FC220	530002	3	Manifold Clamp 2” Full Port
9	44103220	530005	1	Adapter 1/8 MPT x 1/4 Quick Lock
10	200G	530019	4	Gasket 2” Full Port
11		129	2	Bolt HH 3/8 x 1-1/2 GR5 Zp
12	12012800	510002	1	Fertilizer Solution Hose
13		769	2	Nut HH 3/8" Whizlock Zp
14	AC-FMC-150F-HYD-206	550000	1	Pump, Ace 150-260F
15	MLS200-30	530123	1	Manifold Y Strainer 30 Mesh Screen
16	M200TEE	530097	1	Manifold Tee 2” Port
17	M200150BRB90	530080	1	Manifold Elbow 2” Port x 1-1/2 Hose Barb
18	M200150BRB	530100	1	Manifold Hose Barb 2 x 1-1/2 Hose Barb
19	M220200BRB	530103	2	Manifold 2” Full Port x 2” Hose Barb
20	TC-231	540007	4	T-Bolt Clamp 2” Hose
21	12012800	510002	1	Fertilizer Solution Hose
22	M300TEE	530115	1	Manifold Tee 3”
23	M300200BRB90	530112	1	Manifold 3 x 2 Hose Barb 90°
24	MVSF220FP	530128	1	Manifold Valve 2” Full Port x Male Adapter
25	200CAP	530017	1	Cap 2” Quick Cam
26	HN-79-12	530179	1	Lanyard
27	200GXT		AR	Gasket 2” Extra Thick
28	150G	530014	4	Gasket 2”
29	FC200	540001	4	Clamp 2” Std
30	300G	530024	3	Gasket 3”
31	FC300	540003	3	Clamp 3” Std
32	6404-10-08	610019	1	Adapter 1/2 NPT x 10 ORD

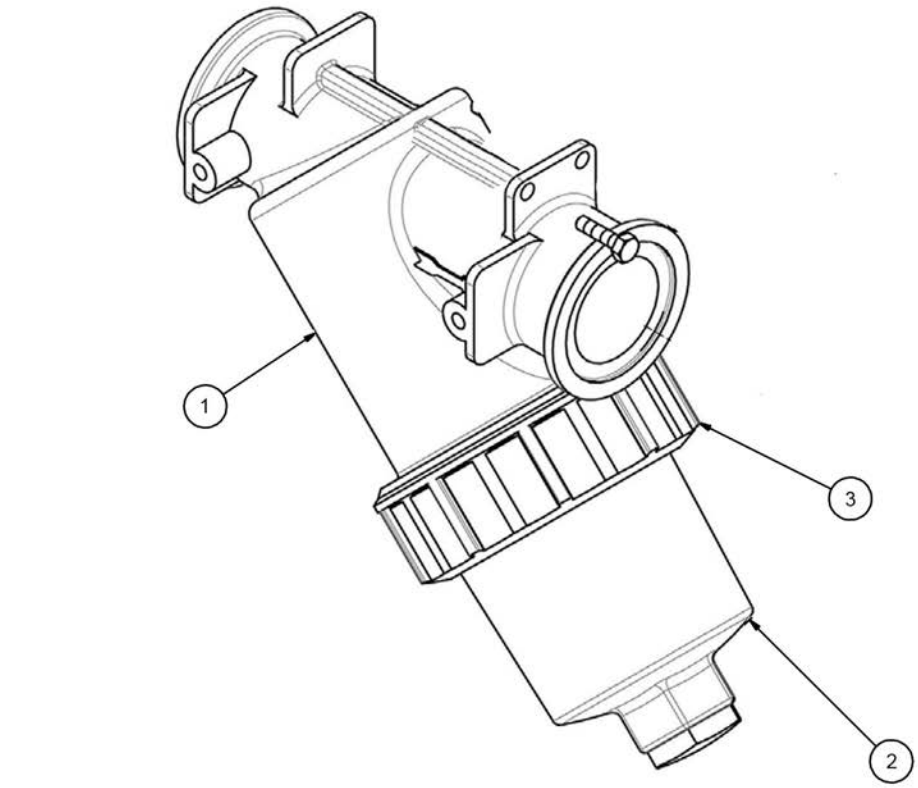
Quick Fill & Pump Feed - 80,90&100 Ft Boom With HYPRO Pump

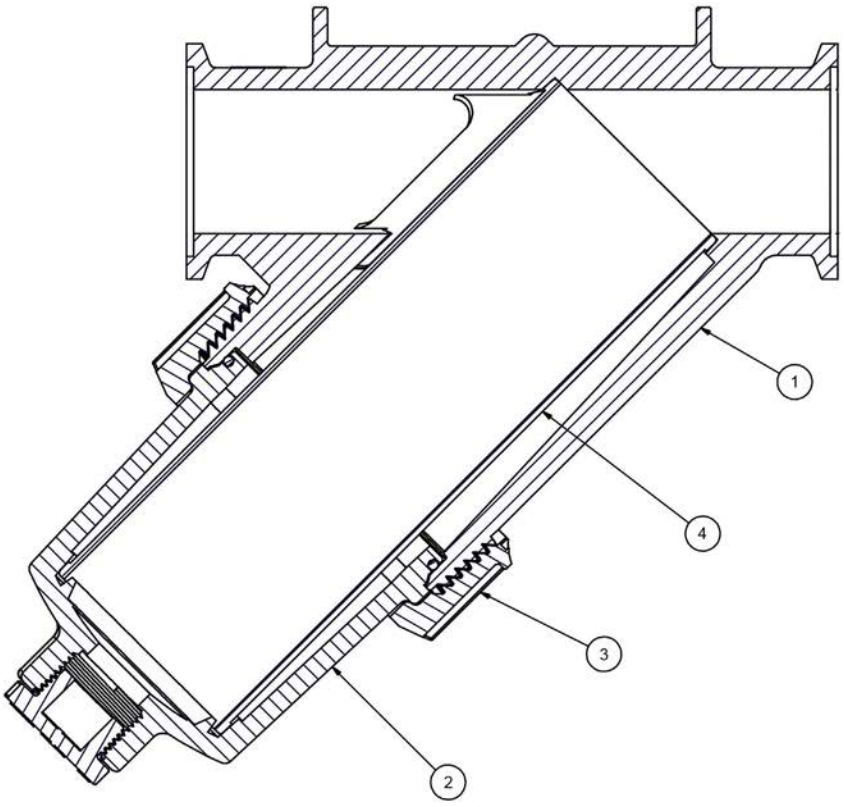


Quick Fill & Pump Feed - 80,90&100 Ft Boom With HYPRO Pump Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		7236	1	Valve Handle Extension
2		683	2	Pin, Spring 1/4 x 2
3		127	1	Bolt HH 3/8 x 3/4 GR5 Zp
4		258	1	Washer, Flat 3/8" Zp
5		7232	1	Valve Handle Adapter
6		7233	1	Valve Handle Collar
7	MV220BL	500034	1	Manifold Valve 2" Full Port Bottom Load
8	FC220	530002	7	Manifold Clamp 2" Full Port
9	44103220	530005	1	Adapter 1/8 MPT x 1/4 Quick Lock
10	200G	530019	8	Gasket 2" Full Port
11		129	2	Bolt HH 3/8 x 1-1/2 GR5 Zp
12	300G	530024	3	Gasket 3"
13		769	2	Nut HH 3/8" Whizlock Zp
14	93079	550011	1	Pump, Hypro 9306C-HM1C-UB
15	MLS220-30	530125	1	Manifold Y Strainer 30 Mesh Screen 2" Full Port
16	M220TEE	530097	1	Manifold Tee 2" Port
17	M220150BRB90	530080	1	Manifold Elbow 2" Port x 1-1/2 Hose Barb
18	M200150BRB	530100	1	Manifold Hose Barb 2 x 1-1/2 Hose Barb
19	M220200BRB	530103	2	Manifold 2" Full Port x 2" Hose Barb
20	TC-231	540007	4	T-Bolt Clamp 2" Hose
21	12012800	510002	1	Fertilizer Solution Hose
22	M300TEE	530115	1	Manifold Tee 3"
23	M300200BRB90	530112	2	Manifold 3 x 2 Hose Barb 90°
24	MVSF220FP	530128	1	Manifold Valve 2" Full Port x Male Adapter
25	200CAP	530017	1	Cap 2" Quick Cam
26	HN-79-12	530179	1	Lanyard
27	200GXT		AR	Gasket 2" Extra Thick
28	FC300	540003	3	Manifold Clamp 3"

Y Strainer

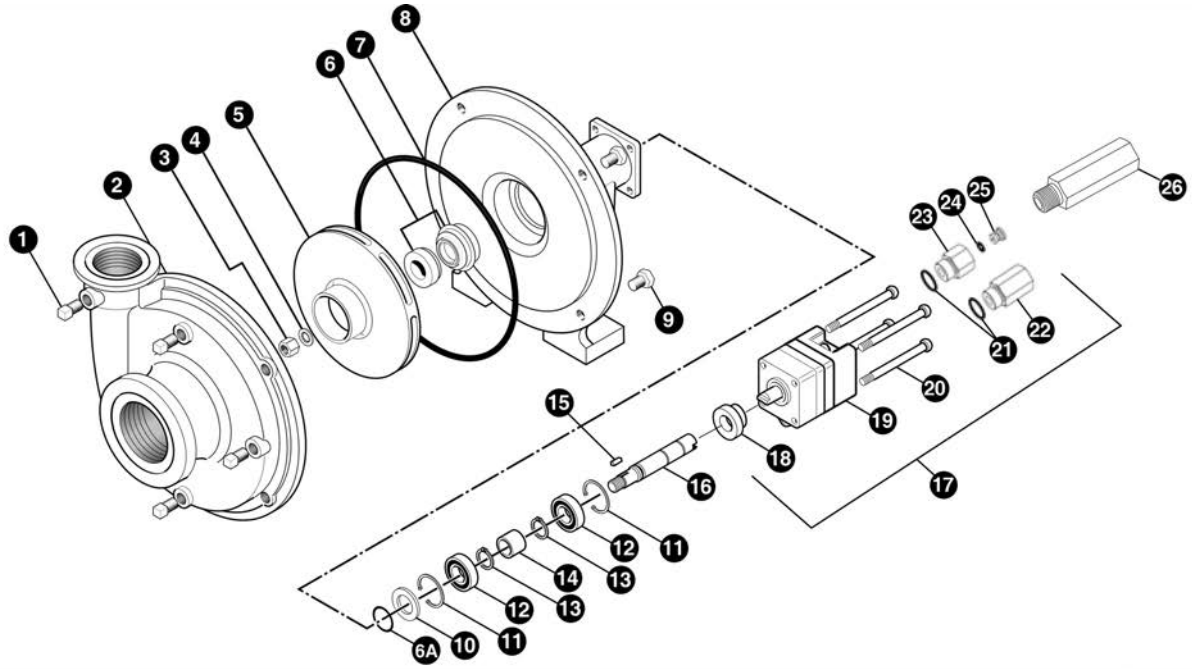




Y Strainer Parts List

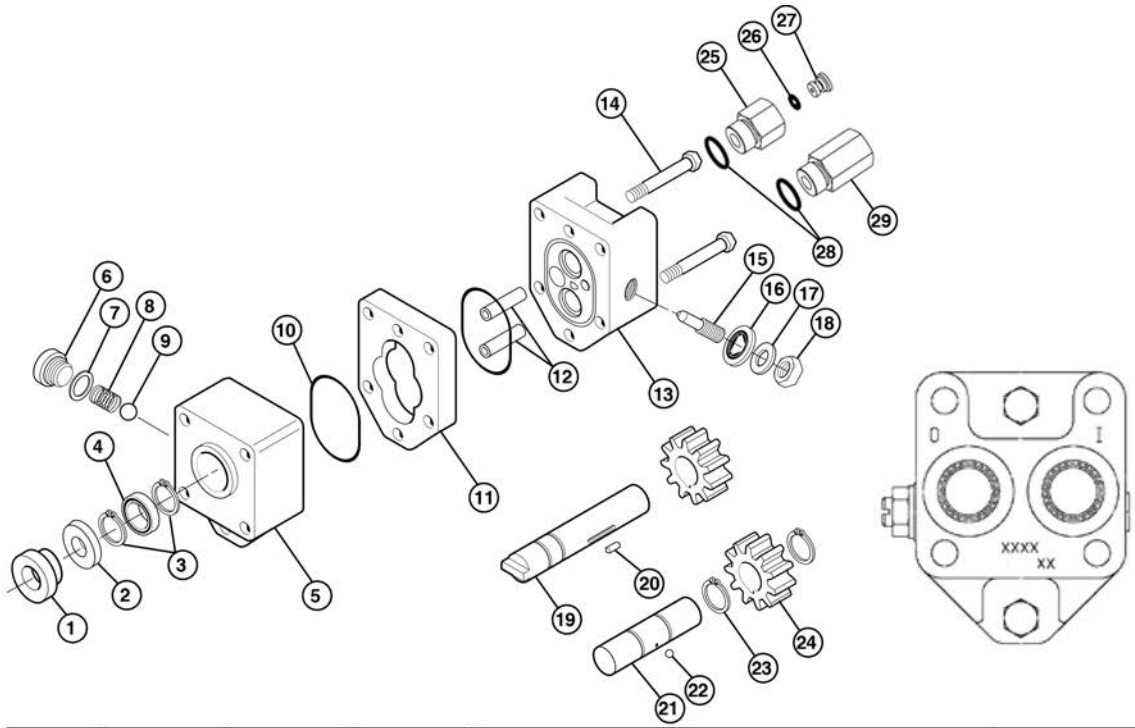
ITEM	PART NO.	VENDOR PART NO.	QTY.	DESCRIPTION
	530125		1	Complete Strainer
1		MLS222B	1	2" FP Line Strainer Body
2		MLS220C1	1	MLS220 Cap Assembly
3		MLS220R1	1	2" FP LS Retaining Ring
4		LST204SS	1	4 SS MESH SCREEN
4		LST206SS	1	6 SS MESH SCREEN
4		LST208SS	1	8 SS MESH SCREEN
4		LST210SS	1	10 SS MESH SCREEN
4		LST216SS	1	16 SS MESH SCREEN
4		LST230SS	1	30H SS MESH SCREEN
4		LST250SS	1	50 SS MESH SCREEN
4		MLS250SS	1	50 SS MESH PERFORATED SCREEN
4		LST280SS	1	80 SS MESH SCREEN
4		MLS280SS	1	80 SS MESH PERFORATED SCREEN
4		LST2100SS	1	100 SS MESH SCREEN
4		MLS2100SS	1	100 SS MESH PERFORATED SCREEN

ACE 150-206 Pump, 60 & 66 Foot Boom



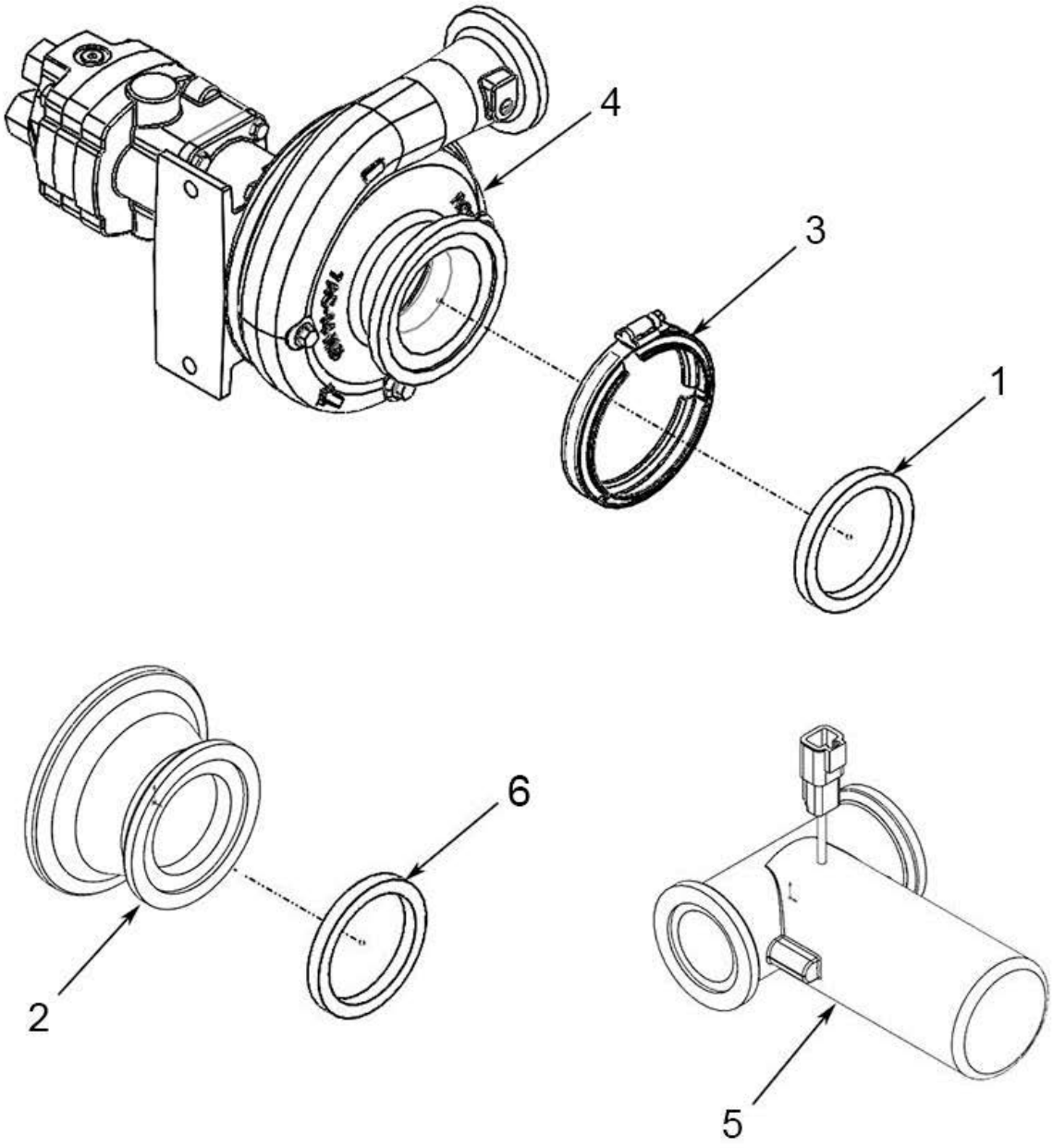
REF. #	PART NUMBER	EDP #	DESCRIPTION	REQ.
1	BAC-53	41110	Pipe plug	4
1	41120	41120	Pipe plug, stainless steel (optional)	4
2	BAC-12-150-FLG	40257	Volute, cast iron, NPT & flanged (for 150F models)	1
2	BAC-12-150-SS	40249	Volute, 316 stainless steel , NPT & flanged (for 150FS models)	1
3	BAC-23-A	40391	Nut, 3/8" NF, cad plated	1
3	BAC-23-A-SS	40392	Nut, 3/8" NF, stainless steel (optional)	1
4①②	BAC-24-HYD-SS	40400	Washer, 3/8" star, stainless steel	1
5	BAC-26-150-P	40446	Impeller, Valox, keyway	1
5	BAC-26-150-CI	40445	Impeller, cast iron, keyway (optional)	1
6①	BAC-7V	40151	Seal, carbon/ceramic/Viton (includes 40160 O-Ring)	1
6②	BAC-7SC	40152	Seal, silicon carbide/Viton (includes 40160 O-Ring) (optional)	1
6A①②	40160	40160	O-ring, shaft seal	1
7①②	BAC-4-150	40015	O-ring, body seal	1
8	BAC-14-150-HYD	40305	Mounting frame, cast iron (for 150F models)	1
8	BAC-14-150-HYD-SS	40319	Mounting frame, 316 stainless steel (for 150FS models)	1
9	40950	40950	Cap screw, 3/8" NC x 3/4" hex head	4
9	40930	40930	Cap screw, 3/8" NC x 3/4" hex head, stainless steel (optional)	4
10	BAC-54	41130	Slinger	1
11	BAC-33	40810	Snap ring, internal, BAC-14 mounting frame	2
12	BAC-37	40870	Ball Bearing, sealed, BAC-6 shaft	2
13	BAC-32	40790	Snap ring, external, BAC-6 shaft	2
14	BAC-32-S	40795	Spacer for BAC-6 shaft	1
15	BACH-25	40420	Key, 1/8" x 1/8" x 1/2"	1
16	BAC-6-HYD-SS	40061	Shaft, 5/8" diameter, keyway and tang slot, stainless steel	1
17	BAC-75-HYD-206	41372	Hydraulic motor, 7 GPM (includes parts 18 - 25)	1
18	S200	40161	Seal support spacer for 200 Series HYD motor	1
19	BAC-75-HYD-206N	41397	Hydraulic motor, 7 GPM (motor only - no external fittings)	1
20	41255	41255	Cap screw, 5/16" N. C. x 3-3/4" socket head (for 206N motor)	4
21	41875	41875	O-ring, #8 SAE fitting	2
22	BAC-78-8SAE	41441	Reverse check valve, #8 SAE male x 1/2" NPT female	1
23	BAC-80-8SAE	41455	Adapter, restrictor body, #8 SAE male x 1/2" NPT female	1
24	41448	41448	O-ring, orifice insert	1
25	BAC-79-7	41456	Orifice, restrictor insert, .109 (206N)	1
26	LS-206N	41418	Flow limiting valve (206N), #8 SAE male x 1/2" NPT female	1
①	RK-FMC-150	52710	Repair kit for FMC-150 series pump	-
②	RK-FMCSC-150	52711	Repair kit for FMC-150 series with silicon carbide shaft seal	-
#	RK-BAC-75-HYD-L	41374	Repair kit for 200-L Series motor	-

ACE 150-206 Pump Hydraulic Motor, 60 & 66 Foot Boom



REF. #	MODEL 204N	MODEL 206N	MODEL 210N	DESCRIPTION	REQUIRED
1*	S200	S200	S200	Seal support spacer	1
2*	40153	40153	40153	Seal cartridge	1
3	41941	41941	41941	Snap ring, bearing	2
4	41961	41961	41961	Ball bearing, 7/16" I.D.	1
5	41731	41731	41731	Drive plate	1
6	42041	42041	42041	Valve cap, coasting check	1
7*	42044	42044	42044	"O" ring, coasting check	1
8	42042	42042	42042	Spring, coasting check	1
9	42043	42043	42043	Ball, coasting check	1
10*	41850	41850	41850	"O" ring, housing seal	2
11	41720	41721	41725	Gear housing	1
12	41800	41801	41805	Dowel pin, housing	2
13	41742	41742	41742	End plate	1
14	41900	41900	41905	Cap screw, 1/4" N.C. hex head	2
15	42010	42010	42010	Adjusting screw, needle valve	1
16*	42030	42030	42030	Thread seal, 3/8", needle valve	1
17	42040	42040	42040	Washer, flat steel, needle valve	1
18	40960	40960	40960	Nut, 3/8" N.C. jam, needle valve	1
19	41761	41764	41766	Drive shaft	1
20	41920	41921	41925	Dowel pin, drive shaft	1
21	41970	41971	41975	Idler shaft	1
22	41990	41990	41990	Ball, idler shaft	1
23	41980	41980	41980	Retaining ring, idler gear	2
24	41750	41751	41755	Gear	2
25	41455	41455	41455	Adapter body, #8 SAE male x 1/2" NPT	1
26	41448	41448	41448	"O" ring, orifice insert (use with 41456 insert)	1
27	41457	41456	41456	Insert, restrictor orifice (use with 41455 body)	1
28	41875	41875	41875	"O" ring, #8 SAE male fitting	2
29	41441	41441	41441	Reverse check, #8 SAE male x 1/2" NPT	1
#	41374	41374	41374	Repair Kit, RK-BAC-75-HYD-L	--

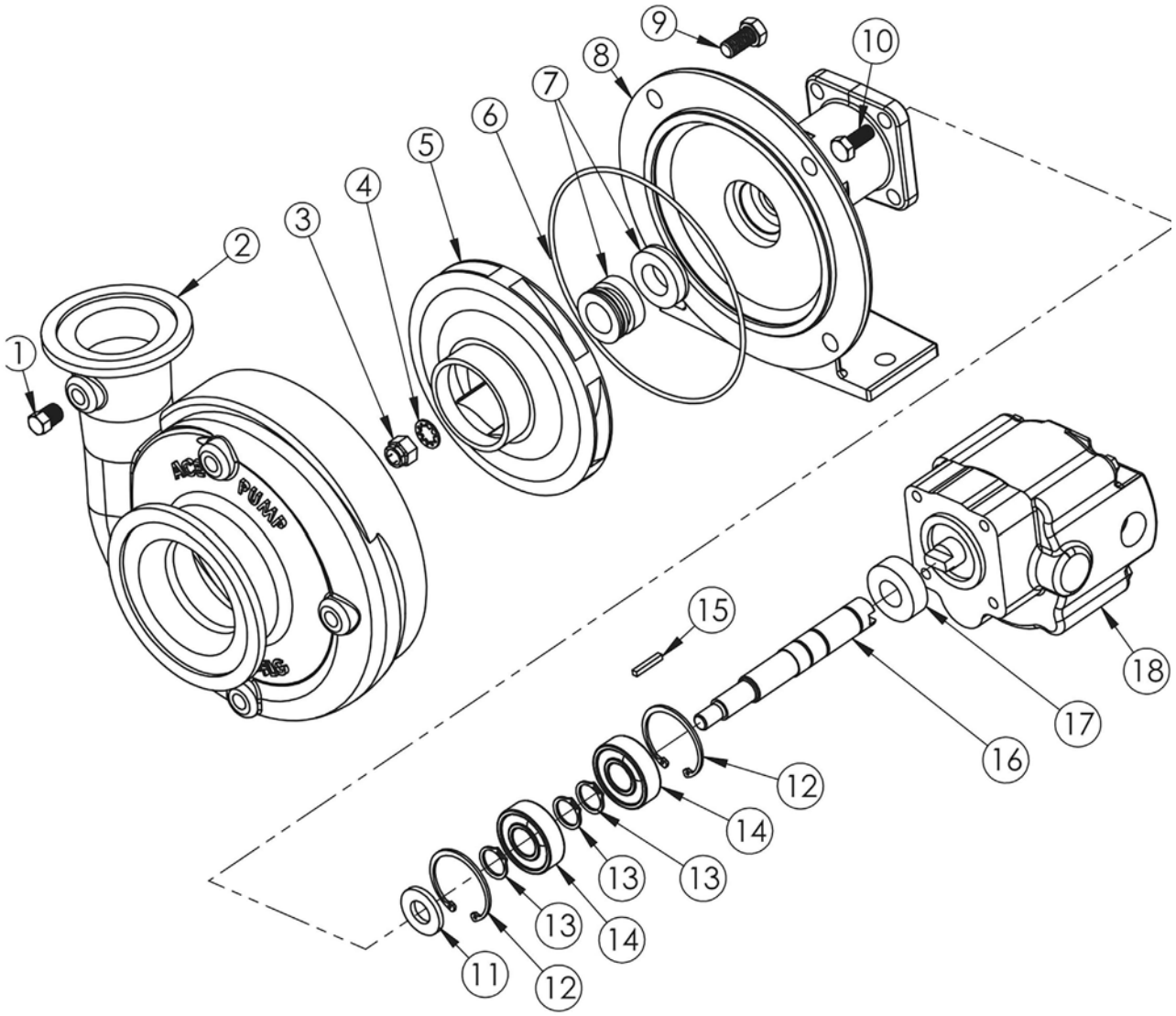
ACE 205-304 Pump Option



ACE 205-304 Pump Option Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	530024	1	3" EPDM GASKET
2	530316	1	3" MANIFOLD REDUCER X 2" COUPLER
3	540003	1	CLAMP, 3" WORM SCREW
4	550025	1	PUMP, 205-304 FLANGED
5	632079	1	FLOW CONTROL VALVE, 1.5", Deutsch Connector

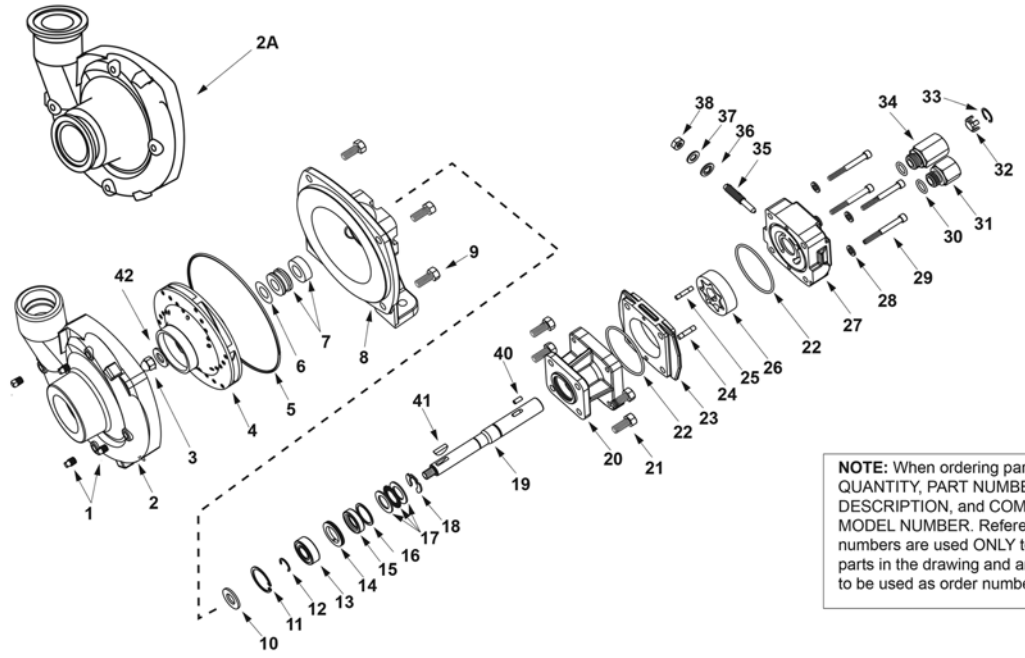
ACE 205-304 Pump, 80, 90 & 100 Foot Boom



ACE 205-304 Pump, 80, 90 & 100 Foot Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
0	550025	1	PUMP, 205-304 Flanged, Complete Pump
1	BAC-53	1	Pipe plug
1	41120	1	Pipe plug, stainless steel (optional)
2	7AC-14-FLG	1	Volute, 300 standard flange x 220 full port flange
3	BAC-23-A	1	Nut, 3/8" NF, cad plated
3	BAC-23-A-SS	1	Nut, 3/8" NF, stainless steel (optional)
4j	BAC-24-HYD-SS	1	Washer, 3/8" star, stainless steel
5	BAC-26-200-P	1	Impeller, with extended keyway, thermoplastic
5	BAC-26-200-CI	1	Impeller, with extended keyway, cast iron (optional)
5	BAC-26-200-SS	1	Impeller, with extended keyway, 316 stainless steel (optional)
6j	BAC-4A	1	O-ring, body seal
7j	BAC-7SC-205V	1	Seal, silicon carbide
8	BAC-14-205-HYD	1	Mounting frame for 205 pump
9	40950	4	Cap screw, 3/8" NC x 3/4" hex head
10	41330	4	Cap screw, 5/16" NC x 3/4" hex head, motor to pump
11	BAC-54	1	Slinger
12	BACH-33	1	Snap ring, internal, BAC-14-205 mounting frame
13	BACH-32-HD	3	Snap ring, external, BAC-6-205 shaft
14	40880	1	Ball bearing, sealed, BAC-6-205 shaft
15	BAC-25	1	Key, 1/8" x 1/8" x 13/16", extended keyway
16	BAC-6-205-HYD-SS	1	Shaft, extended keyway, tang, stainless steel
17	S305	1	Seal support spacer for 205 series pump
18	BAC-75-HYD-304A	1	Hydraulic motor, 13 GPM, 1/2" NPT ports
18	BAC-75-HYD-304A-12SAE	1	Hydraulic motor, 13 GPM, #12 SAE end ports (optional)
j	RK-FMCSC-205	1	Repair kit for FMC-205 pump with silicon carbide shaft seal
#	RK-BAC-75-HYD-300-L	1	Repair kit for 300 Series hydraulic motor

HYPRO Pump, 80, 90 & 100 Foot Boom



NOTE: When ordering parts, give QUANTITY, PART NUMBER, DESCRIPTION, and COMPLETE MODEL NUMBER. Reference numbers are used ONLY to identify parts in the drawing and are NOT to be used as order numbers.

Repair Parts Kit No. 3430-0332
Contains: One mechanical seal (Ref. 7), one o-ring (Ref. 5) and one rubber gasket (Ref. 6).

Silicon Carbide Seal Kit No. 3430-0589
Contains one each: mechanical seal (Ref. 7) and o-ring (Ref. 5).

Hydraulic Motor Part Nos.
2500-0009C (HM1C Models)
2500-0011C (HM3C Models)
2500-0018C (HM5C Models)

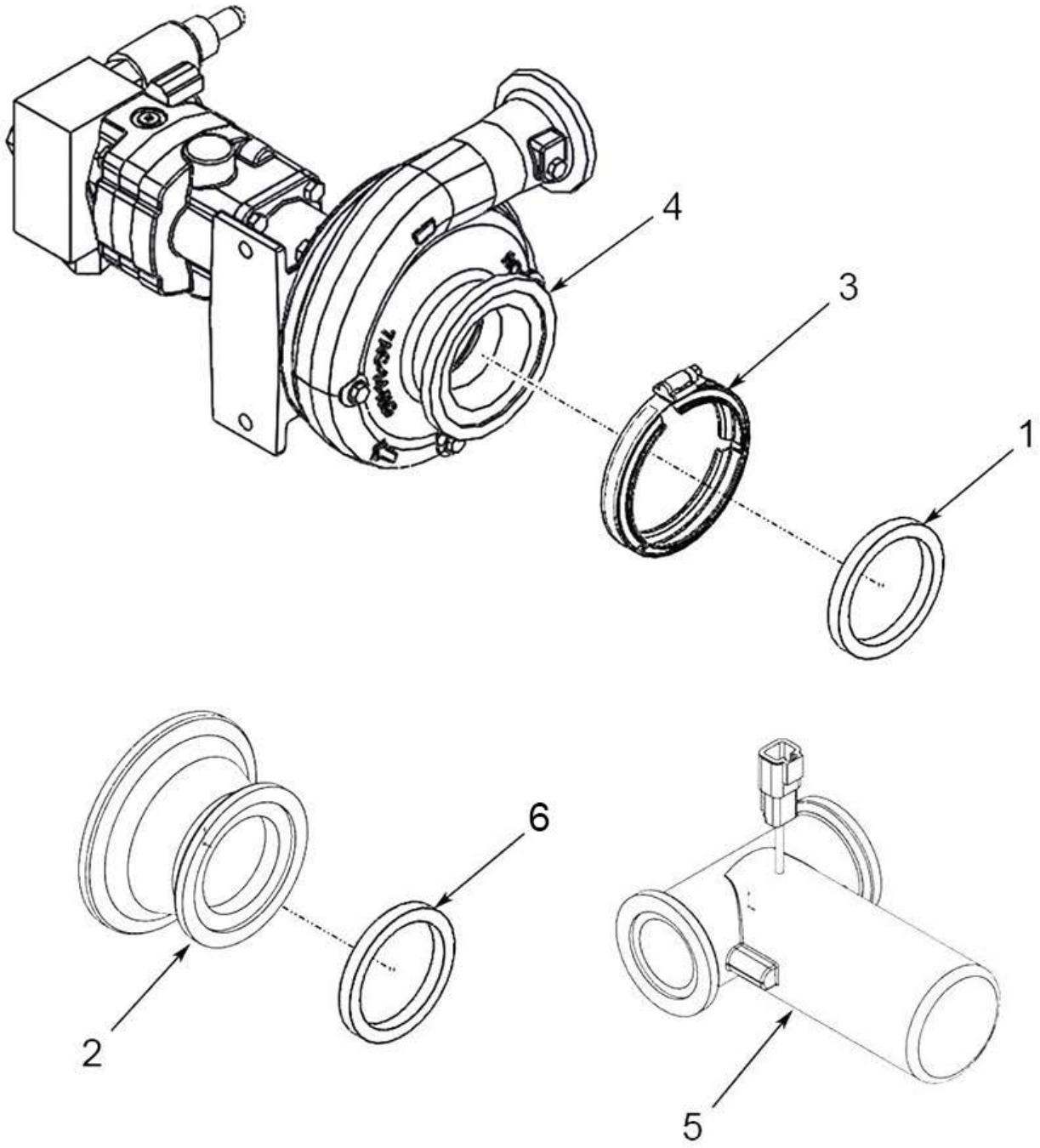
Parts Kit No. 3430-0178
Contains: One each ball bearing (Ref. 13), motor shaft seal (Ref. 15), thread seal gasket (Ref. 36), and washer (Ref. 37); two each motor housing o-rings (Ref. 22), and port adapter o-rings (Ref. 30).

Ref. No.	Qty. Req'd.	Part No.	Description
1	4	2406-0007	Drain/Vent Plug
2	1	0154-9200C1	Pump Casing (Volute) (Includes stainless steel wear ring)
2	1	0151-9200C	Pump Casing (Volute) (Includes stainless steel wear ring) (9304C)
2A	1	0157-9200C	Pump Casing (Universal Flange)
3	1	2253-0002	Impeller Nut
4	1	0401-9200P2	Impeller (Nylon)
5	1	1720-0083	O-ring
6	1	1700-0100	Rubber Gasket
7	1	2120-0009	Mechanical Seal (Viton/Ceramic) (Std)
7	1	3430-0589	Mechanical Seal (Silicon Carbide) (Optional)
8	1	0750-9300C2	Mounting Flange
8	1	0750-9300C	Mounting Flange (9304C)
9	4	2210-0020	Hex Head Cap Screw
10	1	1410-0056	Slinger Ring
11	1	1820-0013	Retaining Ring
12	1	1810-0014	Snap Ring
13	1	2000-0010	Ball Bearing
14	1	1410-0073	Spacer
15	1	2104-0005	Shaft Seal
16	1	1410-0074	Seal Spacer
17	1	2029-0014	Thrust Bearing Assembly - Consists of: (1) Thrust Bearing & (2) Thrust Brg. Races
18	1	1810-0026	Snap Ring
19	1	0510-2500	Shaft (HM3C Model) 7-1/2" long
19	1	0511-2501	Shaft (HM1C & HM5C Models) 7" long
20	1	0151-2500C	Motor Body (Includes Main Bearing)
21	4	2210-0005	Hex Head Cap Screw

Ref. No.	Qty. Req'd.	Part No.	Description
22	2	1720-0110	O-ring
23	1	0700-2500C1	Gerotor Housing (HM1C Model) 1/2" wide
23	1	0702-2500C1	Gerotor Housing (HM3C Model) 1" wide
23	1	0704-2500C1	Gerotor Housing (HM5C Model) 5/8" wide
24	1	1600-0052	Dowel Pin (HM3C Models)
24	1	1600-0044	Dowel Pin (HM1C and HM5C Models)
25	1	1600-0068	Dowel Pin (HM3C Model)
25	1	1600-0037	Dowel Pin (HM1C and HM5C Models)
26	1	3900-0022	Gerotor (HM1C Model)
26	1	3900-0024	Gerotor (HM3C Model)
26	1	3900-0048	Gerotor (HM5C Model)
27	1	0251-2500C2	Motor End Plate (Includes Main Bearing)
28	4	2270-0039	Washer
29	4	2220-0044	Cap Screw (HM3C)
29	4	2220-0021	Cap Screw (HM1C)
29	4	2220-0032	Cap Screw (HM5C)
30	2	1720-0108	O-ring
31	1	3360-0021	Pressure Port Adapter
32	1	3260-0068	Poppet
33	1	1820-0038	Retaining Ring
34	1	3320-0049	Tank Port Adapter
35	1	3220-0029	Bypass Adjusting Screw
36	1	1700-0047	Gasket
37	1	2270-0027	Washer
38	1	2250-0038	Lock Nut
40	1	1610-0055	Roll Pin (HM3C Models)
40	1	1610-0031	Roll Pin (HM1C and HM5C Models)
41	1	1610-0012	Woodruff Key
42	1	2270-0071	Washer

FAST GLOBAL
SOLUTIONS

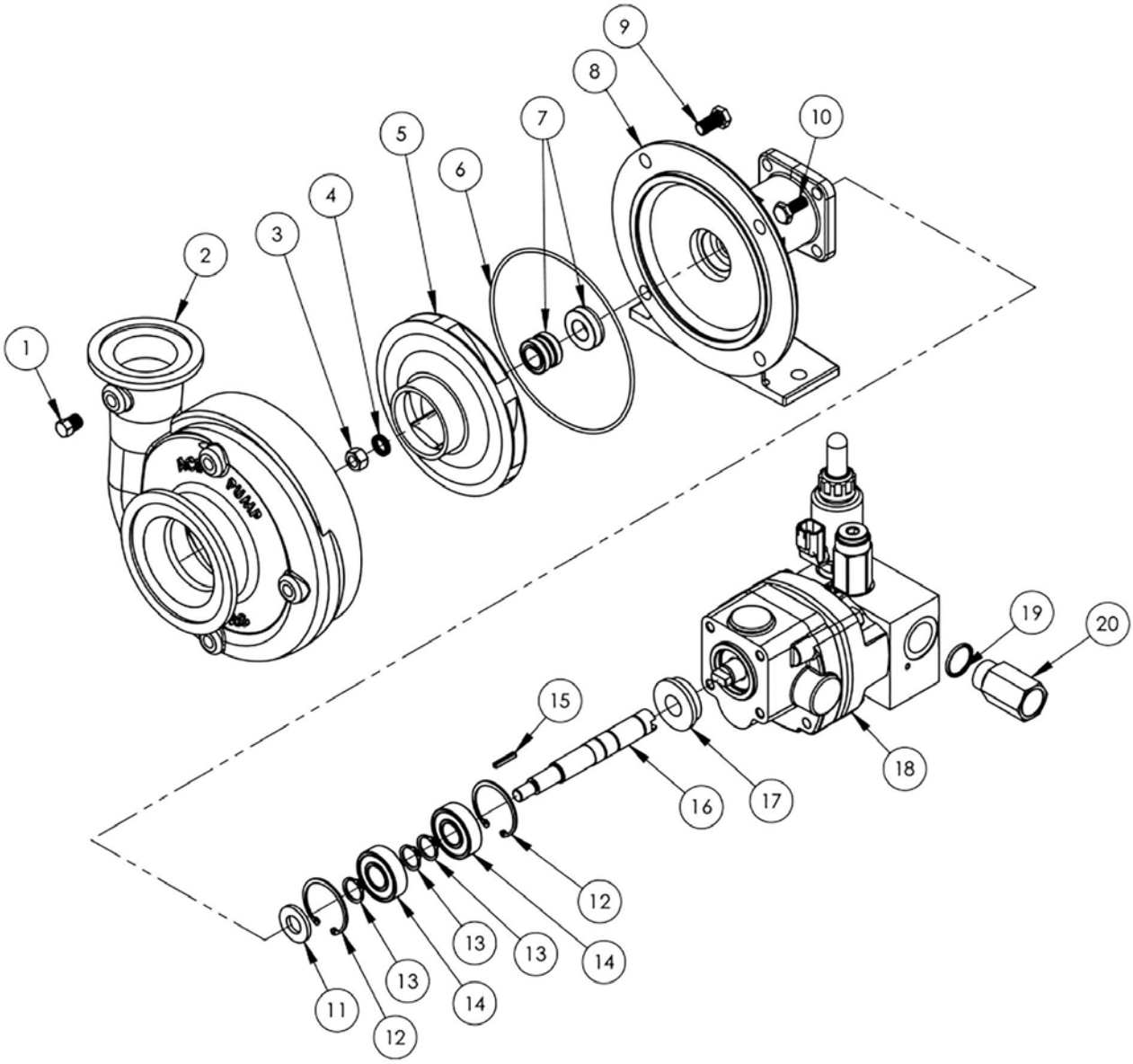
ACE 205-304 PWM Pump Option



ACE 205-304 PWM Pump Option Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	530024	1	3" EPDM GASKET
2	530316	1	3" MANIFOLD REDUCER X 2" COUPLER
3	540003	1	CLAMP, 3" WORM SCREW
4	550035	1	PUMP, 205-304 FLANGED, PWM
5	632079	1	FLOW CONTROL VALVE. 1.5", Deutsch Connector

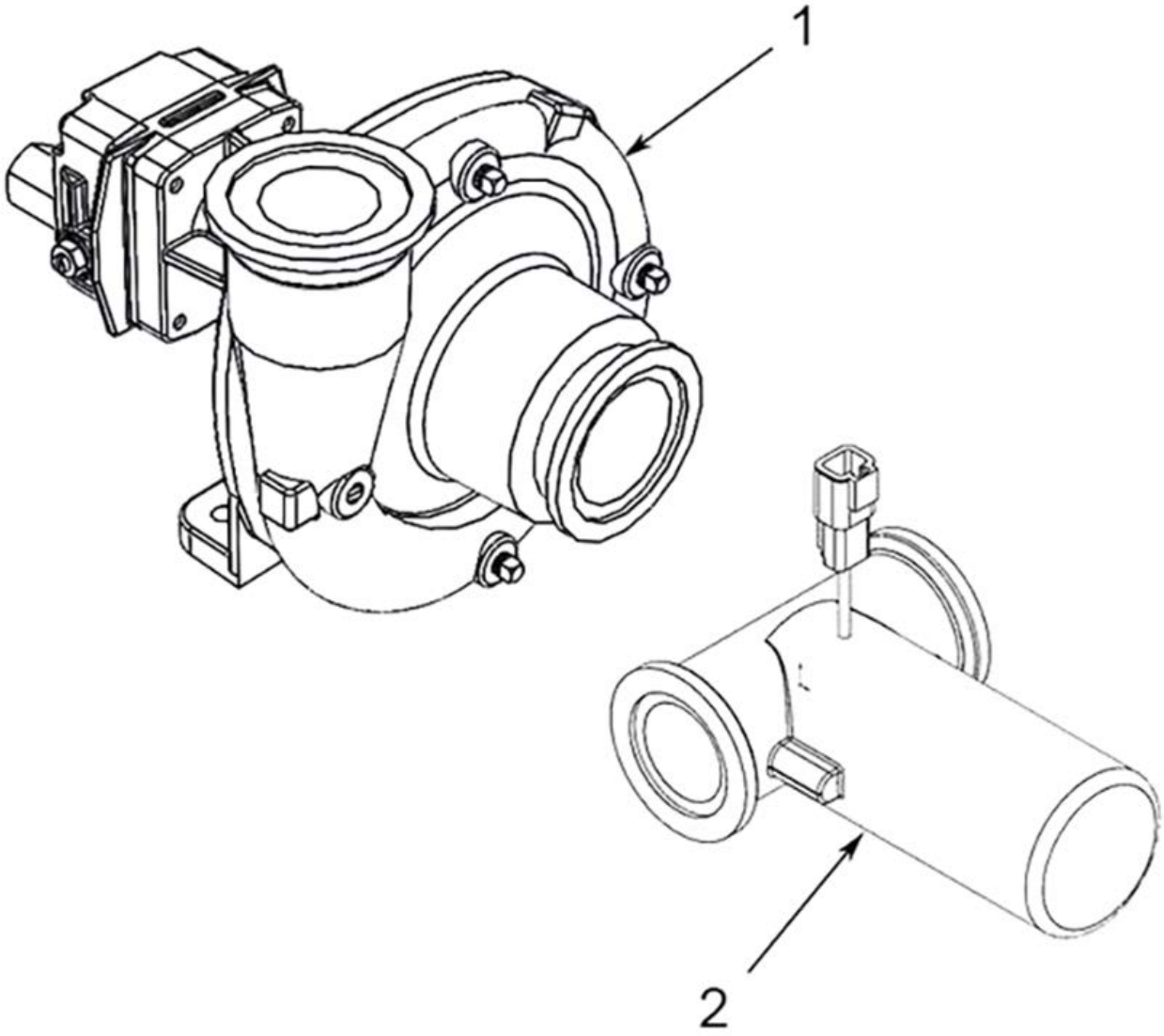
ACE 205-304 PWM Pump, 80, 90 & 100 Foot Boom



ACE 205-304 PWM Pump, 80, 90 & 100 Foot Boom Parts List

ITEM	PART NO.	QTY.	EDP #	DESCRIPTION
0	550035	1		PUMP, 205-304 FLANGED, PWM, COMPLETE PUMP
1	BAC-53	4	41110	Pipe plug
1	41120	4	41120	Pipe plug, stainless steel (-FS model) (optional)
2	7AC-14-FLG	1	41530	Volute, 300 standard flange x 220 full port flange, cast iron
2	7AC-14-FLG-SS	1	41532	Volute. 300 flange x 220 flange, 316 stainless steel (-FS model)
3	BAC-23-B-SS	1	40393	Nut, 3/8” NF, stainless steel
4	BAC-24-B-SS	1	42702	Washer, 3/8”, stainless steel, self-locking
5	BAC-26-200-P	1	40434	Impeller, thermoplastic
5	BAC-26-200-CI	1	40433	Impeller, cast iron (optional)
5	BAC-26-200-SS	1	40436	Impeller, 316 stainless steel (-FS model) (optional)
6	BAC-4A	1	40005	O-ring, body seal
7	BAC-7SC-205V	1	40149	Seal, silicon carbide
8	BAC-14-205-HYD	1	40338	Mounting frame for 205 pump
8	BAC-14-205-HYD-SS	1	40346	Mounting frame for 205 pump, 316 stainless steel (-FS model)
9	40950	4	40950	Cap screw, 3/8” NC x 3/4” hex head
9	40930	4	40930	Cap screw, 3/8” NC x 3/4” hex head, stainless steel (-FS model)
10	41330	4	41330	Cap screw, 5/16” NC x 3/4” hex head, motor to pump
11	BAC-54	1	41130	Slinger
12	BACH-33	2	40820	Snap ring, internal, BAC-14-205 mounting frame
13	BACH-32-HD	3	40385	Snap ring, external, BAC-6-205 shaft
14	40880	2	40880	Ball bearing, sealed, BAC-6-205 shaft
15	BAC-25	1	40425	Key, 1/8” x 1/8” x 13/16”, extended keyway
16	BAC-6-205-HYD-SS	1	40068	Shaft, extended keyway, tang, stainless steel
17	S305	1	40163	Seal support spacer for 205 series pump
18	BAC-75-HYD-304-PWM	1	41348	Hydraulic motor, 11 GPM, PWM
19	41445	1	41445	o-ring, #10 SAE fitting
20	BAC-78-10X10SAE	1	41467	Reverse check assembly, #10 SAE x #10 SAE
NS	RK-FMCSC-205	-	52705	Repair kit for FMC-205 pump with silicon carbide shaft seal
NS	RK-BAC-75-HYD-300-L	-	41362	Repair kit for 300 Series hydraulic motor

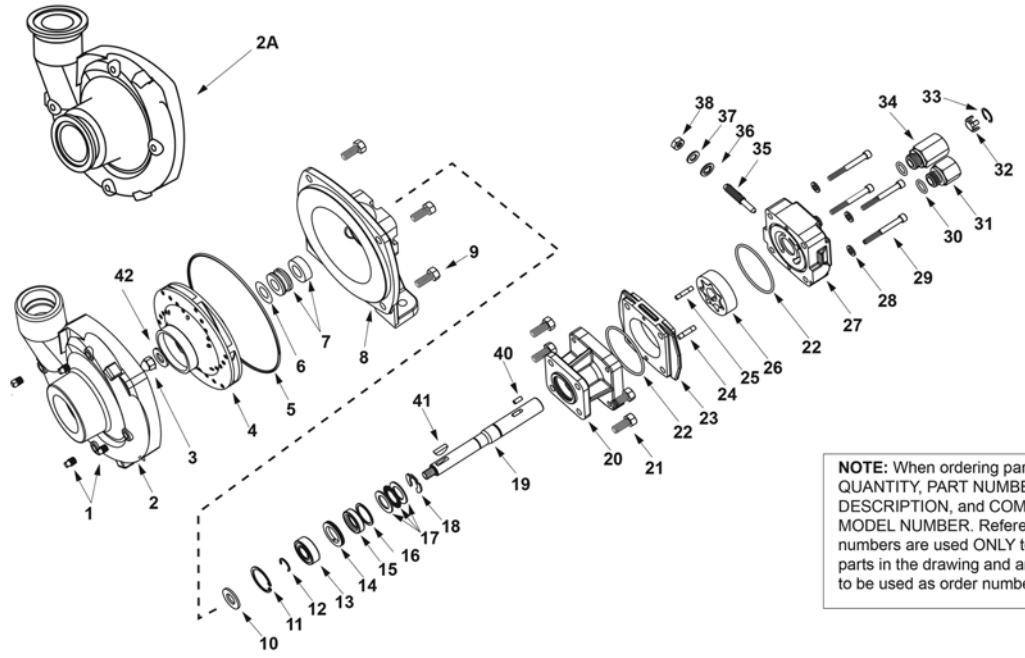
HYPRO Pump Option



HYPRO Pump Option Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	550011	1	PUMP, HYPRO
2	632079	1	FLOW CONTROL VALVE, 1.5", Deutsch Connector

HYPRO Pump, 80, 90 & 100 Foot Boom



NOTE: When ordering parts, give QUANTITY, PART NUMBER, DESCRIPTION, and COMPLETE MODEL NUMBER. Reference numbers are used ONLY to identify parts in the drawing and are NOT to be used as order numbers.

Repair Parts Kit No. 3430-0332
Contains: One mechanical seal (Ref. 7), one o-ring (Ref. 5) and one rubber gasket (Ref. 6).

Silicon Carbide Seal Kit No. 3430-0589
Contains one each: mechanical seal (Ref. 7) and o-ring (Ref. 5).

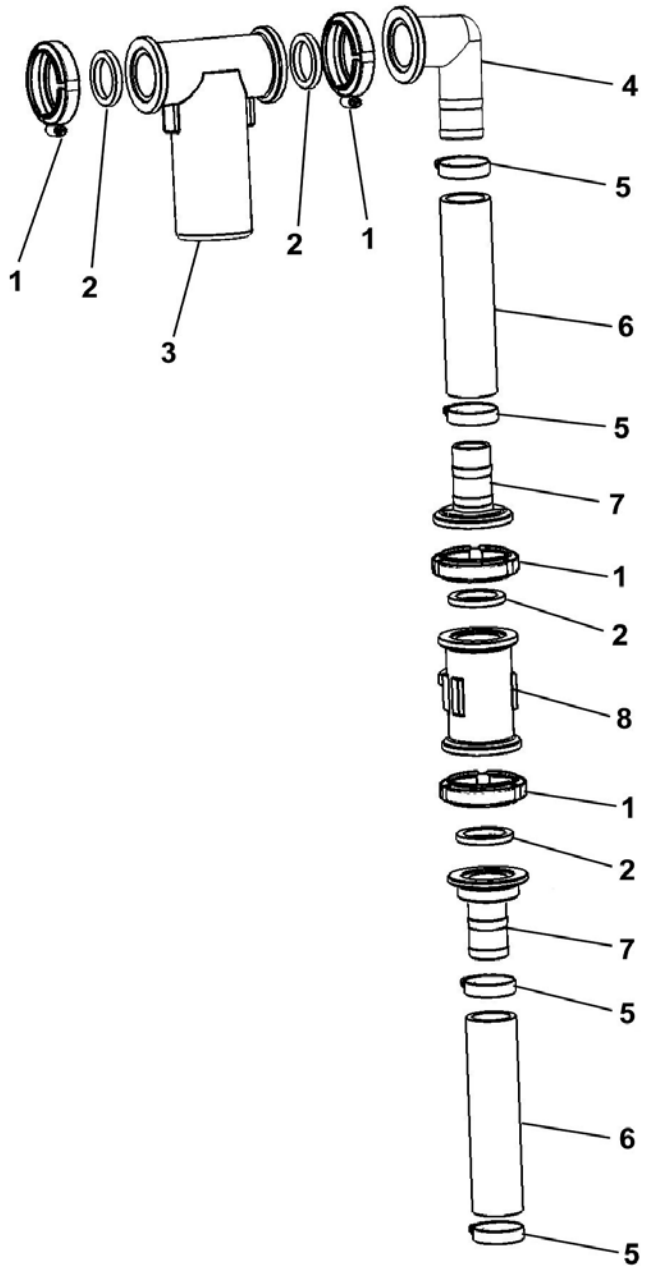
Hydraulic Motor Part Nos.
2500-0009C (HM1C Models)
2500-0011C (HM3C Models)
2500-0018C (HM5C Models)

Parts Kit No. 3430-0178
Contains: One each ball bearing (Ref. 13), motor shaft seal (Ref. 15), thread seal gasket (Ref. 36), and washer (Ref. 37); two each motor housing o-rings (Ref. 22), and port adapter o-rings (Ref. 30).

Ref. No.	Qty. Req'd.	Part No.	Description
1	4	2406-0007	Drain/Vent Plug
2	1	0154-9200C1	Pump Casing (Volute) (Includes stainless steel wear ring)
2	1	0151-9200C	Pump Casing (Volute) (Includes stainless steel wear ring) (9304C)
2A	1	0157-9200C	Pump Casing (Universal Flange)
3	1	2253-0002	Impeller Nut
4	1	0401-9200P2	Impeller (Nylon)
5	1	1720-0083	O-ring
6	1	1700-0100	Rubber Gasket
7	1	2120-0009	Mechanical Seal (Viton/Ceramic) (Std)
7	1	3430-0589	Mechanical Seal (Silicon Carbide) (Optional)
8	1	0750-9300C2	Mounting Flange
8	1	0750-9300C	Mounting Flange (9304C)
9	4	2210-0020	Hex Head Cap Screw
10	1	1410-0056	Slinger Ring
11	1	1820-0013	Retaining Ring
12	1	1810-0014	Snap Ring
13	1	2000-0010	Ball Bearing
14	1	1410-0073	Spacer
15	1	2104-0005	Shaft Seal
16	1	1410-0074	Seal Spacer
17	1	2029-0014	Thrust Bearing Assembly - Consists of: (1) Thrust Bearing & (2) Thrust Brg. Races
18	1	1810-0026	Snap Ring
19	1	0510-2500	Shaft (HM3C Model) 7-1/2" long
19	1	0511-2501	Shaft (HM1C & HM5C Models) 7" long
20	1	0151-2500C	Motor Body (Includes Main Bearing)
21	4	2210-0005	Hex Head Cap Screw

Ref. No.	Qty. Req'd.	Part No.	Description
22	2	1720-0110	O-ring
23	1	0700-2500C1	Gerotor Housing (HM1C Model) 1/2" wide
23	1	0702-2500C1	Gerotor Housing (HM3C Model) 1" wide
23	1	0704-2500C1	Gerotor Housing (HM5C Model) 5/8" wide
24	1	1600-0052	Dowel Pin (HM3C Models)
24	1	1600-0044	Dowel Pin (HM1C and HM5C Models)
25	1	1600-0068	Dowel Pin (HM3C Model)
25	1	1600-0037	Dowel Pin (HM1C and HM5C Models)
26	1	3900-0022	Gerotor (HM1C Model)
26	1	3900-0024	Gerotor (HM3C Model)
26	1	3900-0048	Gerotor (HM5C Model)
27	1	0251-2500C2	Motor End Plate (Includes Main Bearing)
28	4	2270-0039	Washer
29	4	2220-0044	Cap Screw (HM3C)
29	4	2220-0021	Cap Screw (HM1C)
29	4	2220-0032	Cap Screw (HM5C)
30	2	1720-0108	O-ring
31	1	3360-0021	Pressure Port Adapter
32	1	3260-0068	Poppet
33	1	1820-0038	Retaining Ring
34	1	3320-0049	Tank Port Adapter
35	1	3220-0029	Bypass Adjusting Screw
36	1	1700-0047	Gasket
37	1	2270-0027	Washer
38	1	2250-0038	Lock Nut
40	1	1610-0055	Roll Pin (HM3C Models)
40	1	1610-0031	Roll Pin (HM1C and HM5C Models)
41	1	1610-0012	Woodruff Key
42	1	2270-0071	Washer

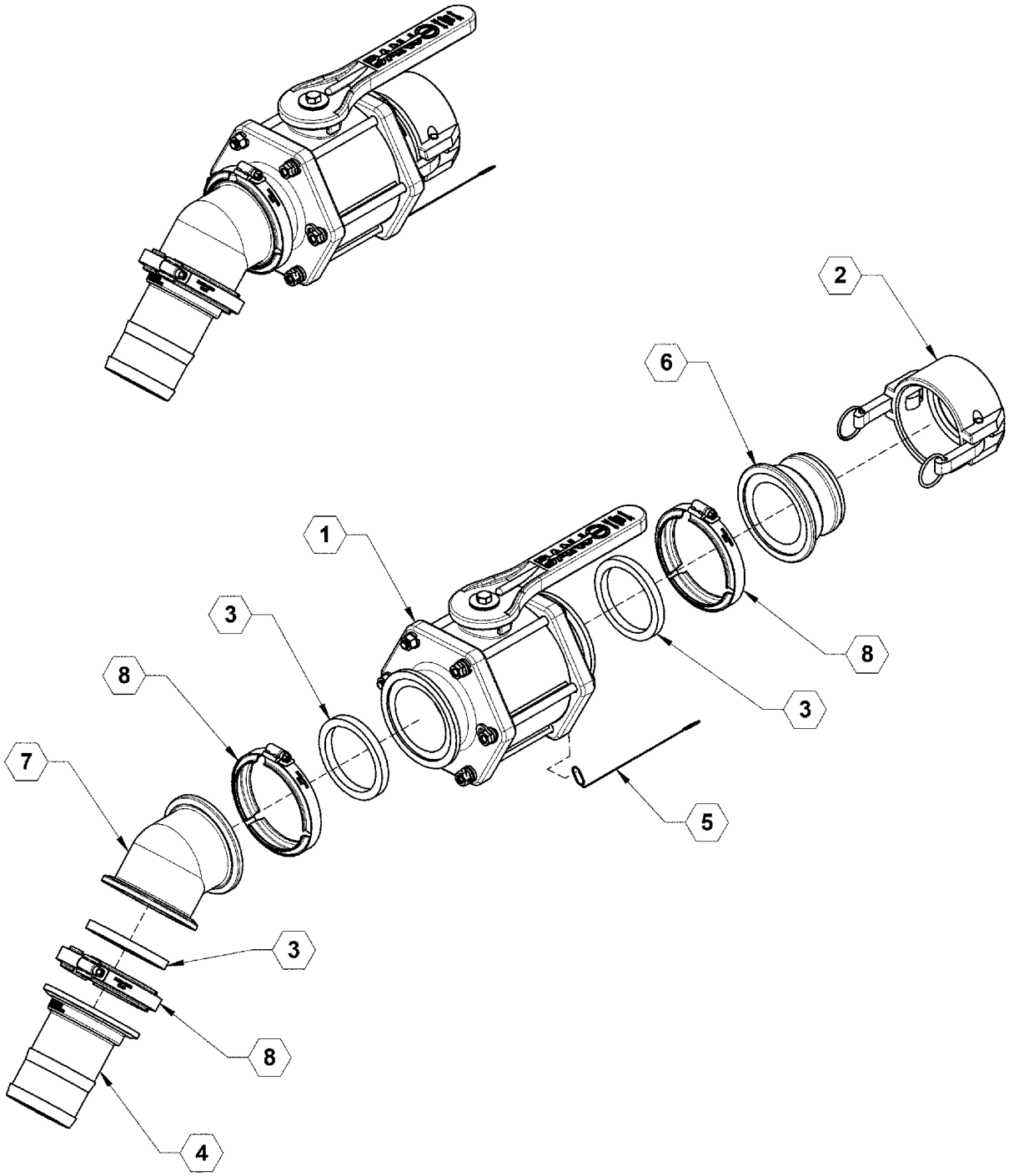
Raven Flow Controls



Raven Flow Controls Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1	FC220	540002	4	Manifold Clamp 2” Full Port
2	150G	530014	4	Gasket 2” Port
3	063-0171-894	631805	1	Raven Motorized Control, 2-way molded connnector
4	M200150BRB90	530080	1	Manifold Elbow 2” Full Port x 1.5” Hose Barb
5	64024H	540016	4	Clamp Stainless Steel 1-1/2”
6	BS-1-1/2BH200	510014	AR	Hose EDPM 1-1/2”
7	M200150BRB	530100	2	Manifold Hose Barb 2” x 1.5” Hose Barb
8	063-0171-0793	631804	1	Raven Flow Meter

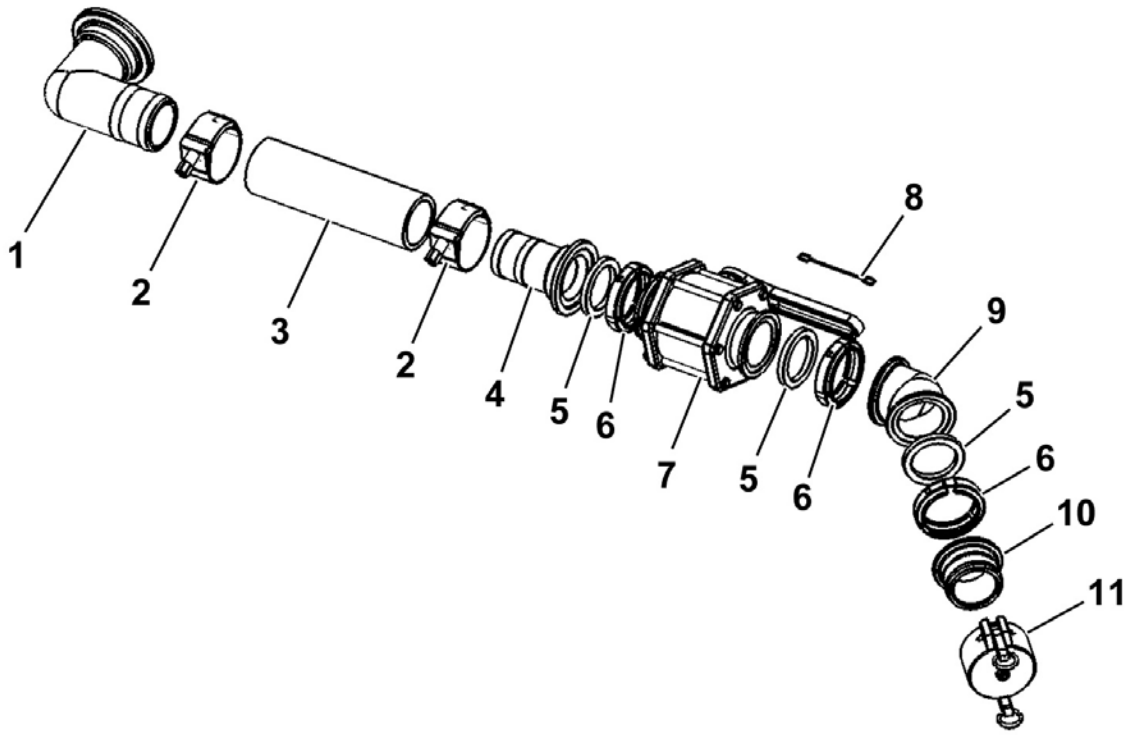
3” Quick Fill



3” Quick Fill Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	500042	1	MV300CF
2	530023	1	CAP, 3"
3	530024	3	GASKET, 3" EPDM
4	530113	1	Flanged 3" Hose Barb
5	530179	1	CABLE LANYARD
6	530233	1	3" MANIFOLD X 3" MALE ADAPTER
7	530234	1	3" COUPLER, 45 DEGREE
8	540003	3	CLAMP, WORM SCREW 3"

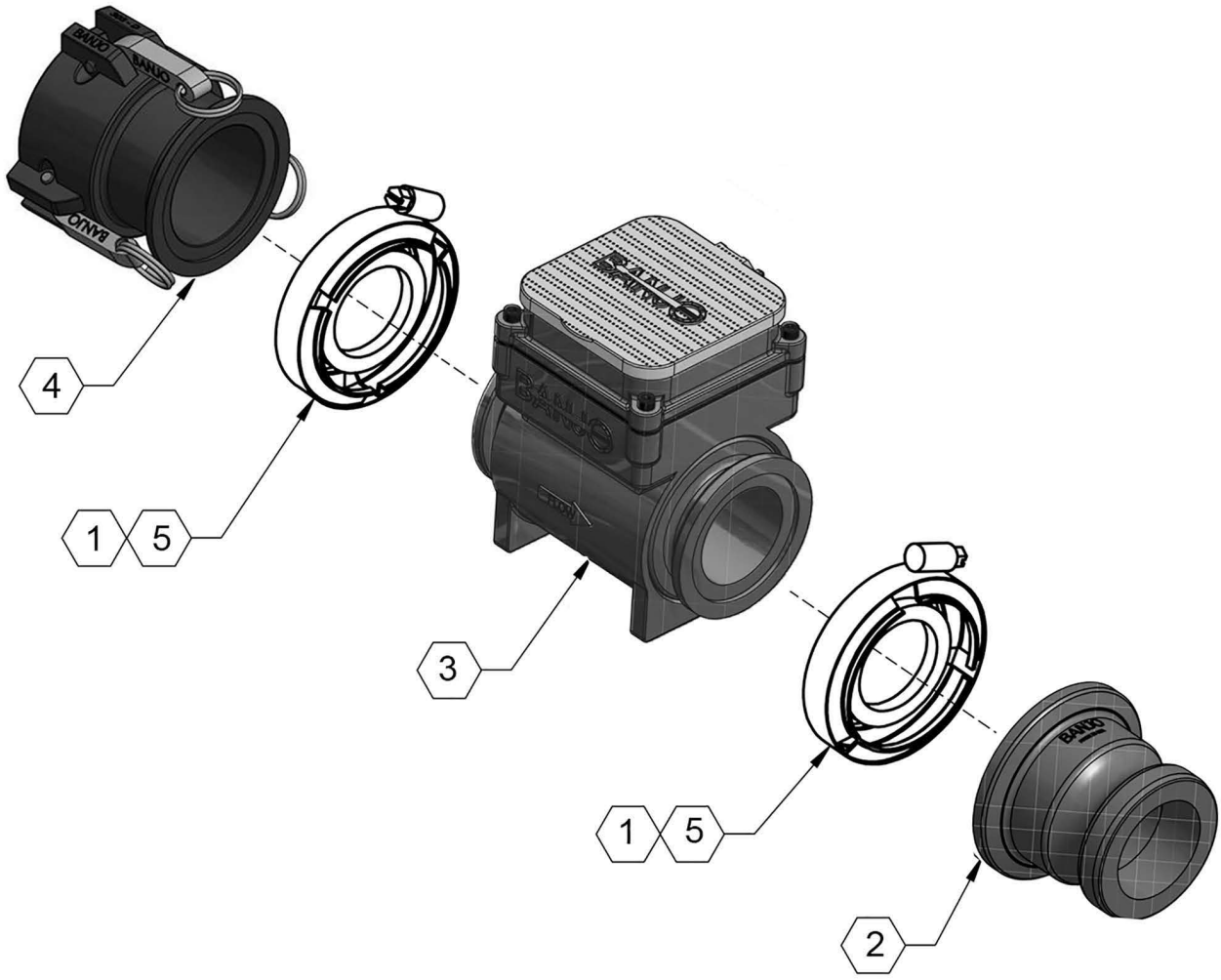
Quick Fill - Optional 3 Inch



Quick Fill - Optional 3 Inch Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1	M300BRB90	530114	1	3" Flange x 3" HB-90 Deg
2	TC-343	540009	2	Clamp 3" T-Bolt Hose 3.43 MM
3	12012810	510004	1	Hose 3" Fertilizer
4	M300BRR	530113	1	3" Flange x 3" Hose Barb
5	300G	530024	3	3" EPDM Gasket
6	FC300	540003	3	Clamp 3" Worm Screw
7	M300FP	500012	1	Valve 3" FPT x 3" Port Poly
8	79-12	530179	1	Cable Lanyard
9	M300CPG45	530234	1	3" Manifold CPIG x 45 Deg
10	M300A	530233	1	Adapter, 3" Male x 3" Male THD
11	300CAP	530023	1	3" Cap

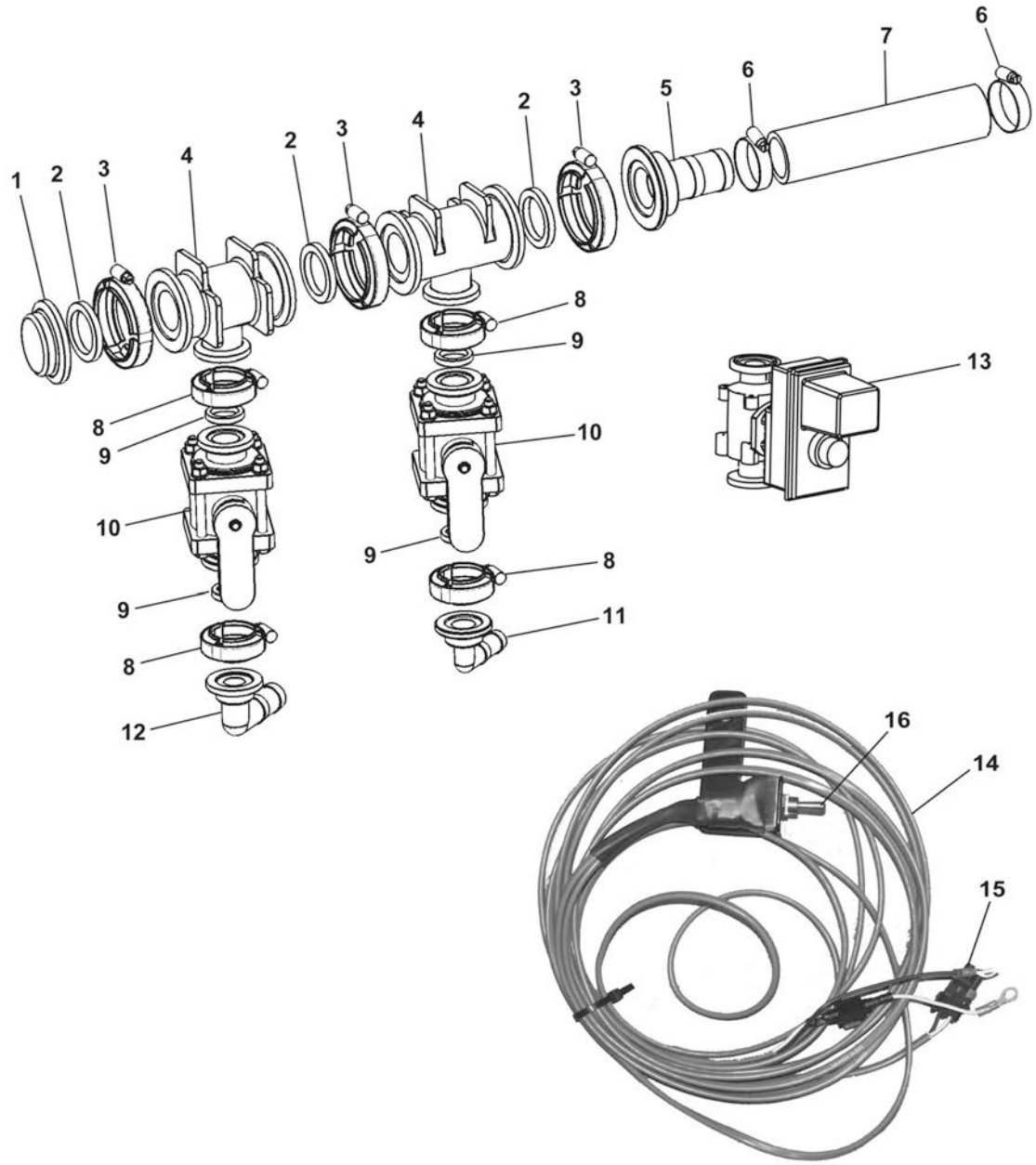
2” Banjo Full Port Flowmeter



2” Banjo Full Port Flow meter Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	530019	2	2" EPDM GASKET
2	530271	1	2" FULL PORT FLANGE - 2" MALE ADAPTER
3	530311	1	2" FULL PORT FLOW METER
4	530323	1	2" FULL PORT FLANGE X FEMALE COUPLER
5	540002	2	CLAMP, 2" FULL WORM SCREW

Agitation & Rinse Control



Agitation & Rinse Control Parts List

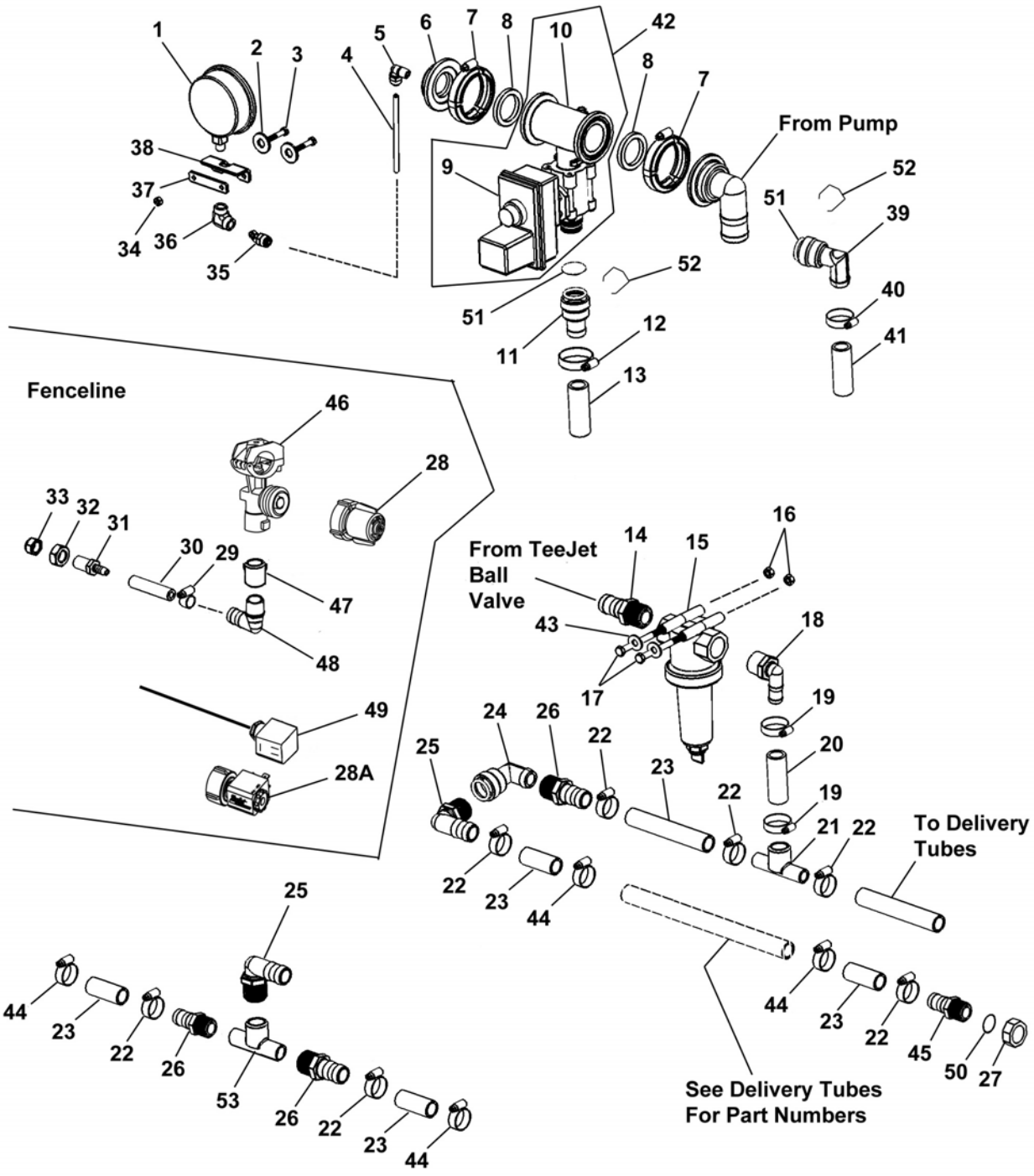
ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1	M200PLG	530093	1	Manifold Plug 2"
2	150G	530014	3	1.5" EPDM Gasket
3	FC200	540001	3	Manifold Clamp
4	M200100TEE	530075	2	Manifold Tee 2 X 1"
5	M200150BRB	530079	1	Manifold Hose Barb 1-1/2"
6	64024H	540016	2	Clamp Hose 1-1/2
7	1-1/2 EDPM	510014	4'	Hose Spray 1-1/2 Goodyear
8	FC100	540000	4	Manifold Clamp 1"
9	M100G	530068	4	Gasket 1"
10	MV100CF	500005	2	Manifold Valve 1"
11	M100075BRB90	530060	1	Manifold Elbow 1" X 3/4" HB To Rinse Balls
12	M100BRB90	530061	1	Manifold Elbow 1" HB To Agitation
13	PL344BR-24-CEC	500001	2	Valve Ball Electric Agitation (Optional)
14		90SAEASA	1	Control Harness Electric Agitation
15		560021	1	Fuse 15 Amp
16		560043	1	Switch

Agitation Shut-Off, Electric Option

Agitation Shut-Off, Electric Option Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	11145BLK	1	SWITCH BRACKET
2	500064	1	VALVE 356 Ser ON/OFF ELECTRIC AGITATION
3	530066	1	1" MANIFOLD X 1" HOSE BARB
4	530068	2	1" EPDM GASKET FOR MANIFOLD
5	530362	1	1" MANIFOLD COUPLING, 90°
6	540000	2	CLAMP, 1" WORM SCREW
7	631970	1	CABLE,ELECTRIC AGITATION ON/OFF
8	800016	1	DECAL, ELECTRIC AGITATION

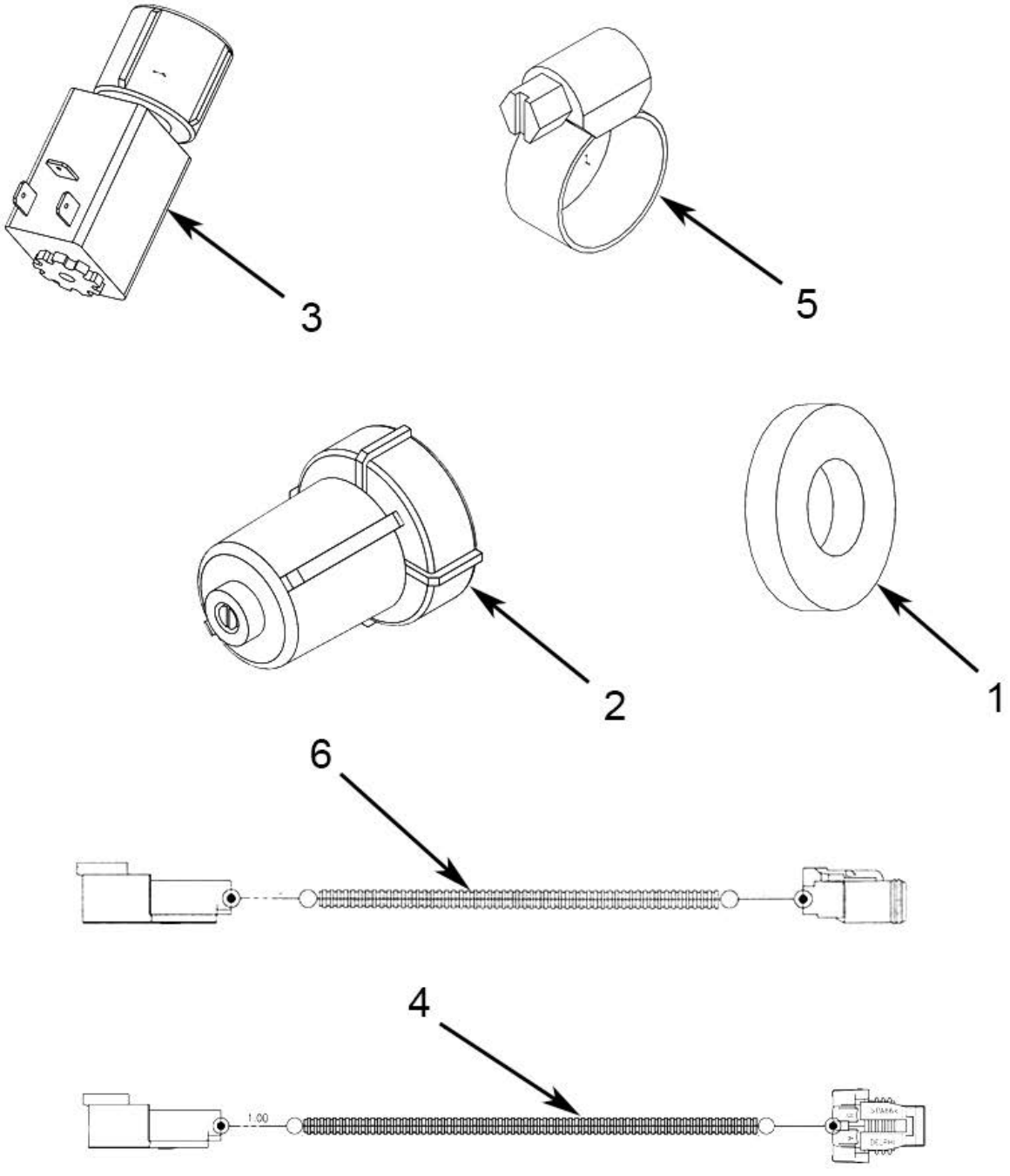
Boom Plumbing



Boom Plumbing Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1	4154-GXX-160	790020	1	Pressure Guage 0-160 psi
2		256	2	Washer Flat 1/4" Zp
3		103	2	Bolt HH 1/4 X 1-1/2 GR5 Zp
4	2T20-003	510023	AR	Tubing Poly 1/4" OD
5	44103211	530004	1	Q-Lock Connector Elbow 1/4" MPT x 1/4" Hose
6	M200PLG025	530094	1	Manifold Plug 2" X 1/4" Port
7	FC200	540001	AR	Manifold Clamp 2" Standard
8	150G	530014	AR	Manifold Gasket 2"
9		500027	AR	VALVE 450BEC MANIFOLD (NARROW) (NON-FLOWBACK)
9		500028	AR	VALVE 450BEC MANIFOLD (WIDE) (NON-FLOWBACK)
9	50516-6	500029	AR	VALVE 450BEC MANIFOLD (WIDE) (FLOWBACK)
10	56609-2-F		AR	Valve Sub-Assembly
11	45529-1"	530190	AR	Quick Connector Sub-Assembly
12	64016H	540014	AR	Hose Clamp 1"
13	1BH200	510016	AR	Hose Spray EDPM 1" ID
14	HB100	530041	AR	Hose Barb 1" MPT X 1" HB
15	LST100-80	530474	AR	Strainer Line 80 Mesh Screen (LST180 Screen)
16		236	AR	Nut HH 5/16" CL Zp
17		120	AR	Bolt HH 5/16 X 3-1/2 GR5 Zp
18	HB100-90	530044	AR	Hose Barb Elbow 1" MPT X 1" Hose
19	64016H	540014	AR	Hose Clamp 1"
20	1BH100	510016	AR	Hose Spray EDPM 1" ID
21	HB100	530056	AR	Hose Barb 1" x 1" Tee
22	64016H	540014	AR	Hose Clamp 1"
23	1BH200	510016	AR	Hose Spray EDPM 1" ID
24	EL100-90	530310	AR	Elbow 1" FPT
25	HB100-90	530044	AR	Hose Barb Elbow 1" MPT X 1" Hose
26	HB100	530041	AR	Hose Barb 1" MPT X 1" HB
27	V13N34	530245	AR	Cap 1" FPT
28	58140	520037	AR	Fenceline Nozzle Body, Manually Controlled
28A	55280-1	520038	AR	Fenceline Nozzle Body, Electrically Controlled
29	345-005	540032	2	Hose Clamp 3/8"
30	3/8BH200	510020	AR	Hose Spray EDPM 3/8"
31	1338D	530306	2	Fenceline Nozzle Body
32	3B12	530206	2	Nozzle Body Nut
33	CP8027-NYB	520019	2	Nozzle Tip Nut
34		227	2	Nut HH 1/4" Nylock ZP
35	44103206	530001	1	Q-LOCK Connector 1/4" MPT x 1/4" Hose
36	5504-04-04-SS	610006	1	Elbow 1/4" NPT Stainless Steel
37		11758	1	Guage Bracket
38		11786	1	Guage Strap
39	45529-90-1	530190	1	Elbow 3/4" Return To Tank
40	64012H	540013	1	Clamp 3/4"
41	BS-3/4 BH200	510019	1	Hose 3/4"
42		500027	AR	VALVE 450BEC MANIFOLD (NARROW) (NON-FLOWBACK) (Items 9 & 10)
42		500028	AR	VALVE 450BEC MANIFOLD (WIDE) (NON-FLOWBACK) (Items 9 & 10)
42	54608-15-450BEC3	500029	AR	VALVE 450BEC MANIFOLD (WIDE) (FLOWBACK) (Items 9 & 10)
43		257	AR	5/16" Washer
44	TC-130	540037	AR	T-Bolt Clamp
45	3D34100	530275	AR	Hose Barb
46	QJ17560A-25M	520030	AR	Body Single
47	Q54676-1/4-NYR	530248	AR	Adapter
48	3EL14628	530209	AR	1/4 x 3/8" Barb 90°
49	58480-2	530429	AR	Cable, Chem Saver Electric Option

Fence Line Option

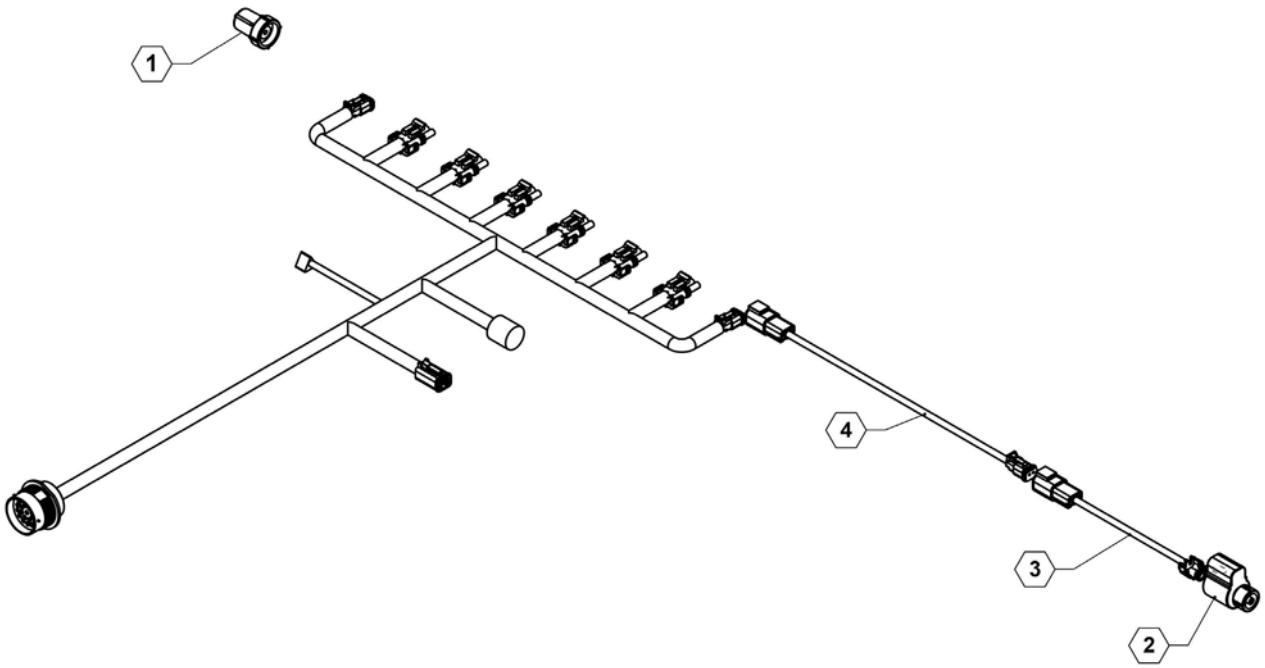


Fence Line Option Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	520016	2	NOZZLE SEAT WASHER, RUBBER
2	520037	2	NOZZLE MANUAL CHEM SAVER
3	520038	2	NOZZLE ELECTRIC CHEM SAVER
4	632044	2	CABLE ADAPTER 2P DT TO 2P 6"
5	540032	4	CLAMP, HOSE 5/16"
6	632054	2	55' FENCE ROW CABLE

Single Fence Line, Display Control

NOTE:
1. FOR USE WITH RAVEN RCM AND JD RC2000

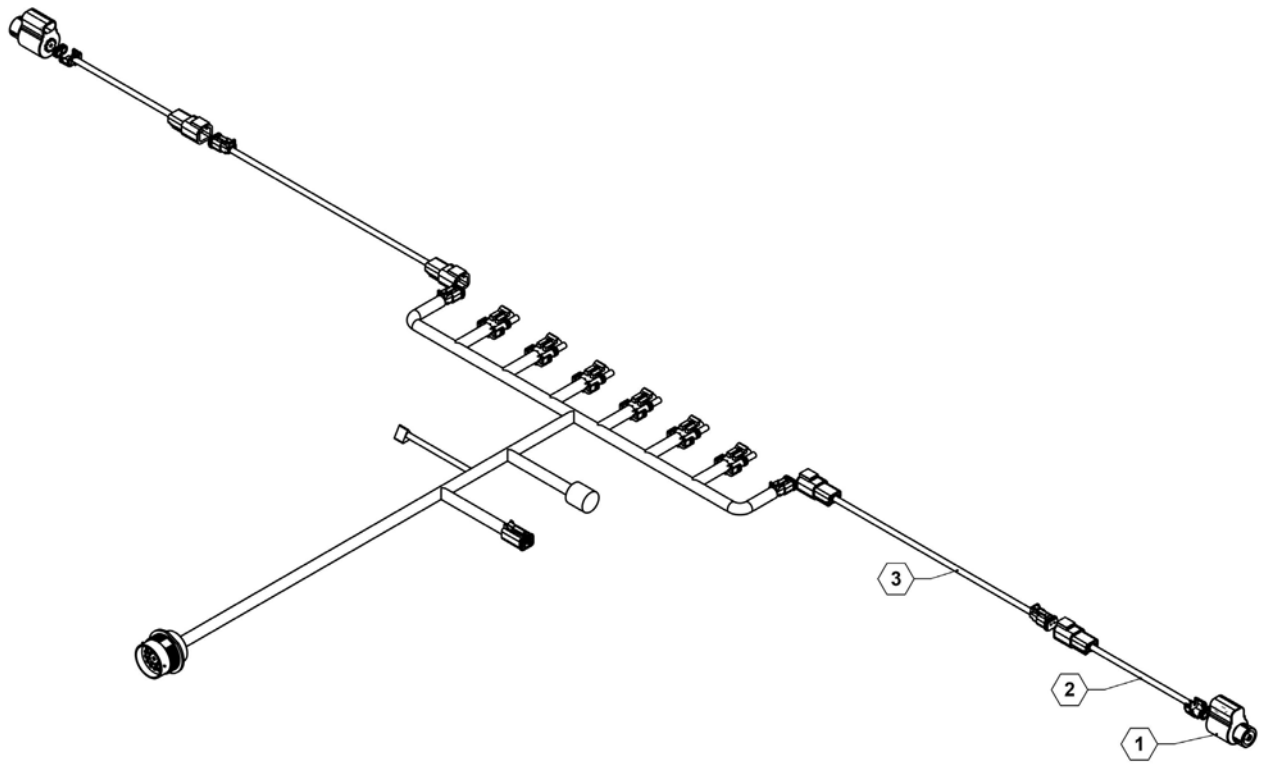


Single Fence Line, Display Control Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	520037	1	VALVE, MANUAL CHEMSAVER
2	520038	1	VALVE, ELECTRIC CHEMSAVER
3	632044	1	FENCEROW ADAPTER CABLE, 6"
4	632054	1	FENCEROW CABLE, 55'

Dual Fence Line, Display Control

NOTE:
1. FOR USE WITH RAVEN RCM AND JD RC2000

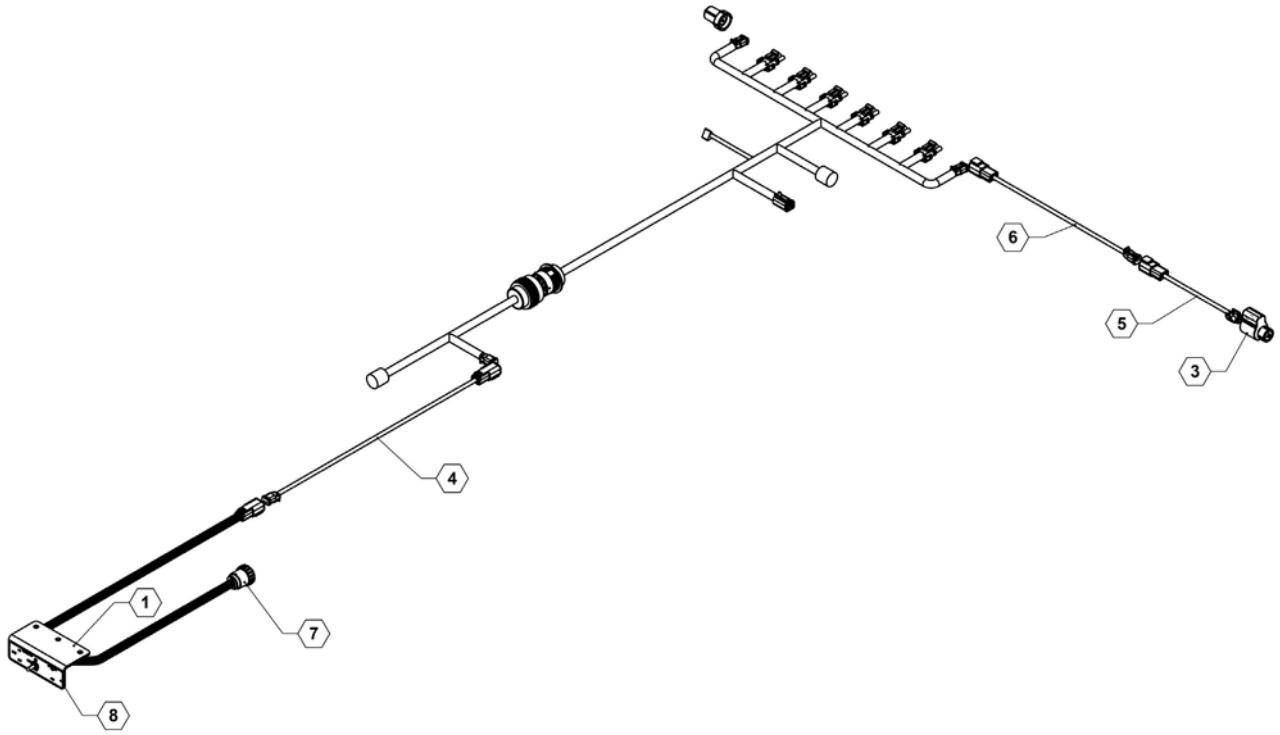


Dual Fence Line, Display Control Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	520038	2	VALVE, ELECTRIC CHEMSAVER
2	632044	2	FENCEROW ADAPTER CABLE, 6"
3	632054	2	FENCEROW CABLE, 55'

Single Fence Line, Toggle Switch Control

NOTE:
1. FOR USE WITH RAVEN 450, JD GREENSTAR & OTHER 16 & 37 PIN CABLING CONTROLLERS

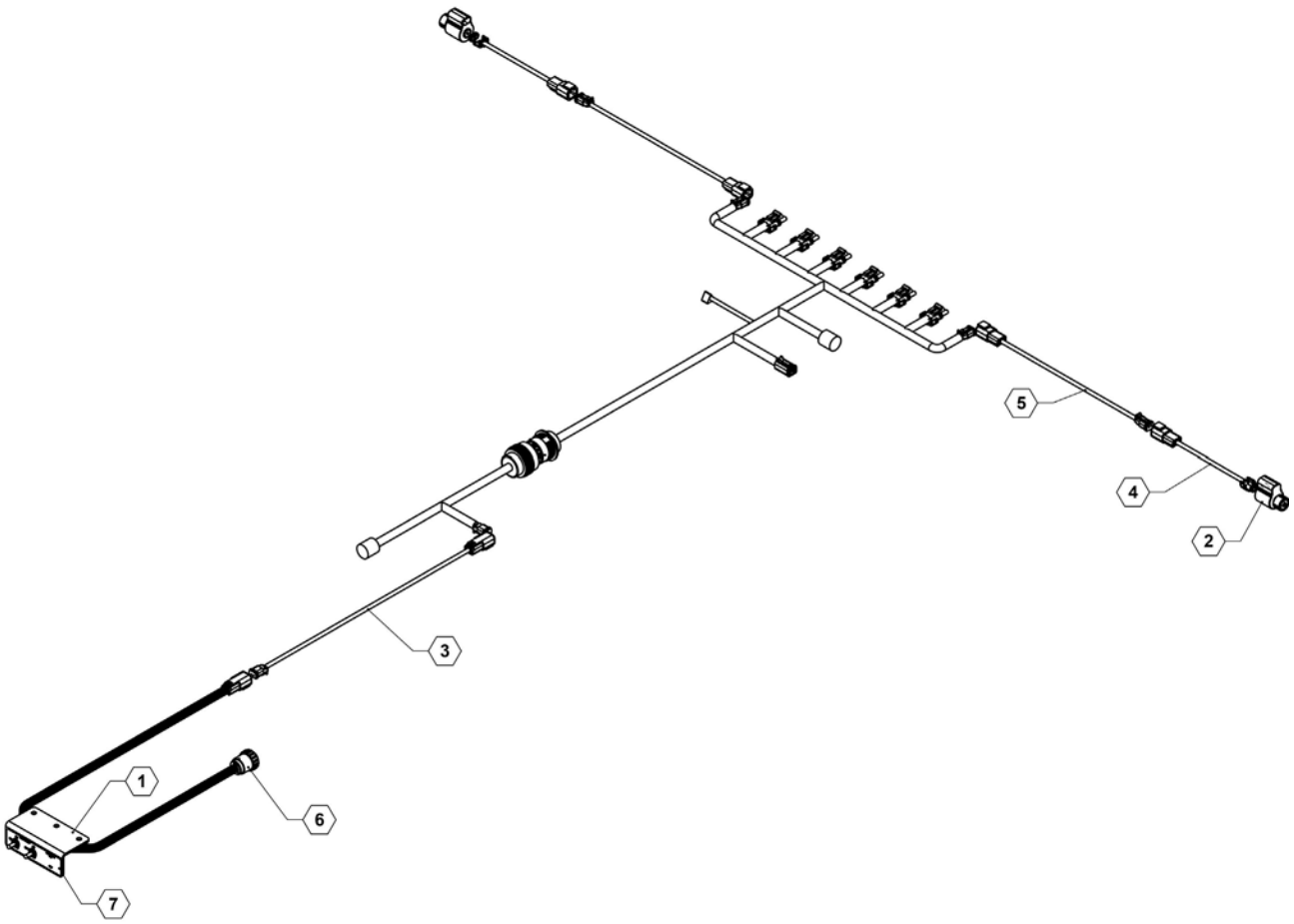


Single Fence Line, Toggle Switch Control Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	18437	1	PLATE, MOUNT
2	520037	1	VALVE, MANUAL CHEMSAVER
3	520038	1	VALVE, ELECTRIC CHEMSAVER
4	632042	1	2 PIN DT 40' CABLE EXTENSION
5	632044	1	FENCEROW ADAPTER CABLE, 6"
6	632054	1	FENCEROW CABLE, 55'
7	632089	1	CABLE, SINGLE ELECTRIC FENCELINE NOZZLE
8	800261	1	DECAL, FENCELINE & AGITATION

Dual Fence Line, Toggle Switch Control

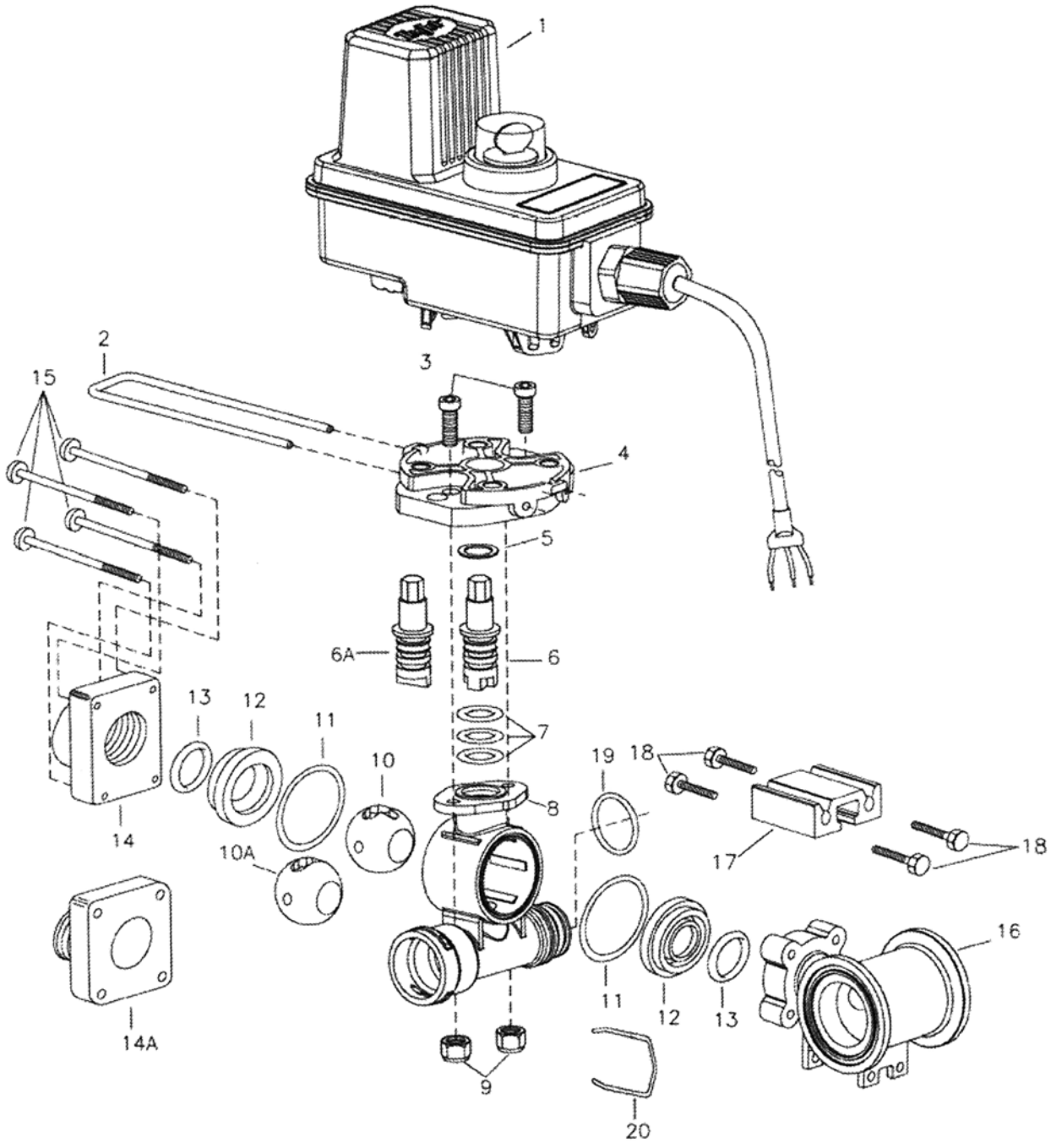
NOTE:
1. FOR USE WITH RAVEN 450, JD GREENSTAR & OTHER 16 & 37 PIN CABLING CONTROLLERS



Dual Fence Line, Toggle Switch Control Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	18437	1	PLATE, MOUNT
2	520038	2	VALVE, ELECTRIC CHEMSAVER
3	632042	1	2 PIN DT 40' CABLE EXTENSION
4	632044	2	FENCEROW ADAPTER CABLE, 6"
5	632054	2	FENCEROW CABLE, 55'
6	632088	1	CABLE, DUAL ELETRIC FENCELINE NOZZLES
7	800261	1	DECAL, FENCELINE & AGITATION

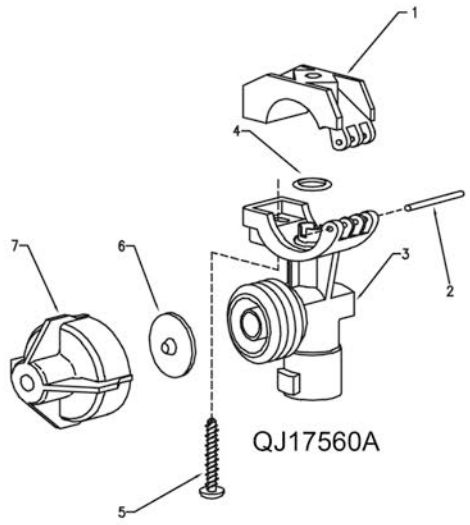
Plumbing Valves



Plumbing Valves Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
0	PL450BEC-FB	1	Shut-off Valve
1	TJ505156	1	BEC MOTOR, 22 RPM (.07 SEC)
2	CP50517-SSPV	1	RETAINING CLIP, 304 STAINLESS
3	CP26197-PP	2	SCREW, 1/4"-20 X 7/8", STAINLESS
4	CP50514-PP	1	MOTOR ADAPTER, POLY BLACK
5	CP20125-TEF	1	THRUST WASHER, TEFLON
6	CP56613-SS	1	STEM, 303 STAINLESS (FOR POLY BALL)
7	CP7717-M12X2.5-V1	3	O-RING, VITON
8	CP55233-NYB	1	FLOW BACK BODY, NYLON BLACK
9	CP38435-1/4-SSNY	2	ELASTIC LOCKNUT, 1/4-20, STAINLESS
10	CP20106-2-PP	1	FLOW BACK BALL, POLY, WHITE
10A	CP19926-2-SS	1	FLOW BACK BALL, 303 STAINLESS
11	CP20564	2	GASKET, VITON
12	CP20103-TEF	2	SEAL, TEFLON
13	CP7717-2-2132VI	2	O-RING, VITON
14A	CP45514-NYB	1	END CAP, NYLON, BLACK, QUICK CONNECT
15	CP45252-2-3/4-SSPV	4	SCREW, 1/4-12 X 2-3/4 PAN HEAD, SS
16	CP55224-PP	1	#75 NARROW TEE BODY, POLY, BLACK
17	CP45216-AL	1	MOUNTING RAIL, ALUMINUM
18	CP45259-SS	4	SCREW, M6 X 1 X 16MM HEX, SS
19	CP7717-3-912-VI	2	O-RING, VITON
20	CP37166-1-302SS	2	QUICK CONNECT RETAINING CLIP, 302 SS
	56609-3FB-_-_	1	VALVE BODY SUB ASSEMBLY, SPECIFY OUTLET SIZE & BALL MATERIAL (INCLUDES ITEMS 1-3)
	AB344AE-KIT	1	SPARE PARTS KIT

Nozzle Bodies



QJ17560A

ITEM	PART NO.	DESCRIPTION
1		
	CP48224-NYB	Upper Clamp, 25mm, Nylon (Black)
2	CP48256-SS	Pivot Pin, Stainless Steel
3	CP48498-NYB	Body, 3/4", Nylon (Black) (for 3/4" and 25mm versions)
4	CP7717-2/110-BU	O-Ring, Buna-N
	CP7717-2/110-VI	O-Ring, Viton (Optional)
5	CP48255-1 1/4-302SS	Screw, Stainless Steel
6	CP21953-EPR	Diaphragm, EPDM
	CP21953-VI	Diaphragm, Viton (Optional)
7	21950-10-NYB	End Cap Sub-Ass'y, Nylon (Black)

No. QJ17560A-25mm-NYB(-VI) - Hinged Nozzle Body Assembly

DESCRIPTION:
QJ17560A HINGED CLAMP
WET BOOM DIAPHRAGM
CHECK VALVE QUICK TEEJET®
NOZZLE BODY ASSEMBLY
(1/2", 3/4", 1", 20mm, & 25mm)

Spraying Systems Co.®
Spray Nozzles and Accessories
P.O. Box 7900 - Wheaton, IL 60189-7900

Rev. No. | Parts List No. PL QJ17560A
Ref. | SHEET OF

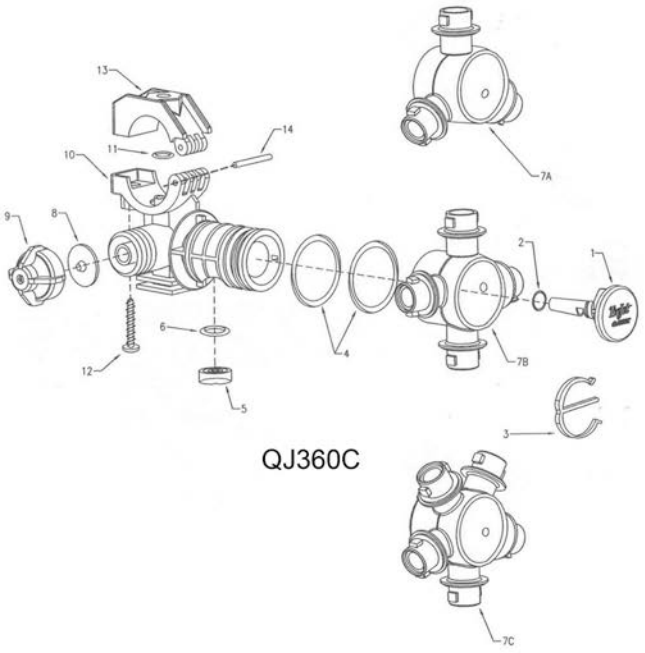
ITEM	PART NO.	DESCRIPTION
1	CP38930-8-NYB	Plug, Nylon (Black)
2	CP7717-2-13-EPR	O-Ring, EPDM
	CP7717-2-13-VI	O-Ring, Viton (Optional)
3	CP38931-NYB	E-Clip, Nylon (Black)
4	CP7717-M28x3-EPRTFE	O-Ring, EPR-Teflon Filled (2 Req'd.)
	CP7717-M28x3-VITFE	O-Ring, Viton-Teflon Filled (2 Req'd.) (Optional)
5	CP56726-VITFE	Seal, Viton-Teflon Filled
6	CP7717-2-111-VI	O-Ring, Viton
7A	CP38921-2-NYB	Turret, Nylon (Black) (3 Outlet)
7B	CP38922-2-NYB	Turret, Nylon (Black) (4 Outlet)
7C	CP38923-2-NYB	Turret, Nylon (Black) (5 Outlet)
8	CP21953-EPR	Diaphragm, EPDM
	CP21953-VI	Diaphragm, Viton (Optional)
9	21950-10-NYB	End Cap Sub-assembly, Nylon (Black)
10		
	CP38925-2-NYB	3/4" & 25mm Body, Nylon (Black)
11		
	CP7717-2-110-BU	O-Ring, Buna-N
	CP7717-2-110-VI	O-Ring, Viton (Optional)
12	CP48255-1-1/4-302SS	Screw, Stainless Steel
13		
	CP48224-NYB	25mm Upper Clamp, Nylon (Black)
14	CP48256-SS	Pivot Pin, Stainless Steel

No. QJ36_C-25MM-NYB(-VI) - 25mm Wet Boom Nozzle Body*
*Notes: Specify Either 3, 4, or 5 In Part Number For Number of Outlets Desired,
-VI In Part Number Specifies Viton O-Ring Option

DESCRIPTION:
QJ360C WET BOOM
DIAPHRAGM CHECK VALVE
QUICK TEEJET® HINGED
NOZZLE BODY ASSEMBLY

Spraying Systems Co.®
Spray Nozzles and Accessories
P.O. Box 7900 - Wheaton, IL 60189-7900

Rev. No. 1 | PARTS LIST PL QJ360C-WB
Ref. | SHEET OF



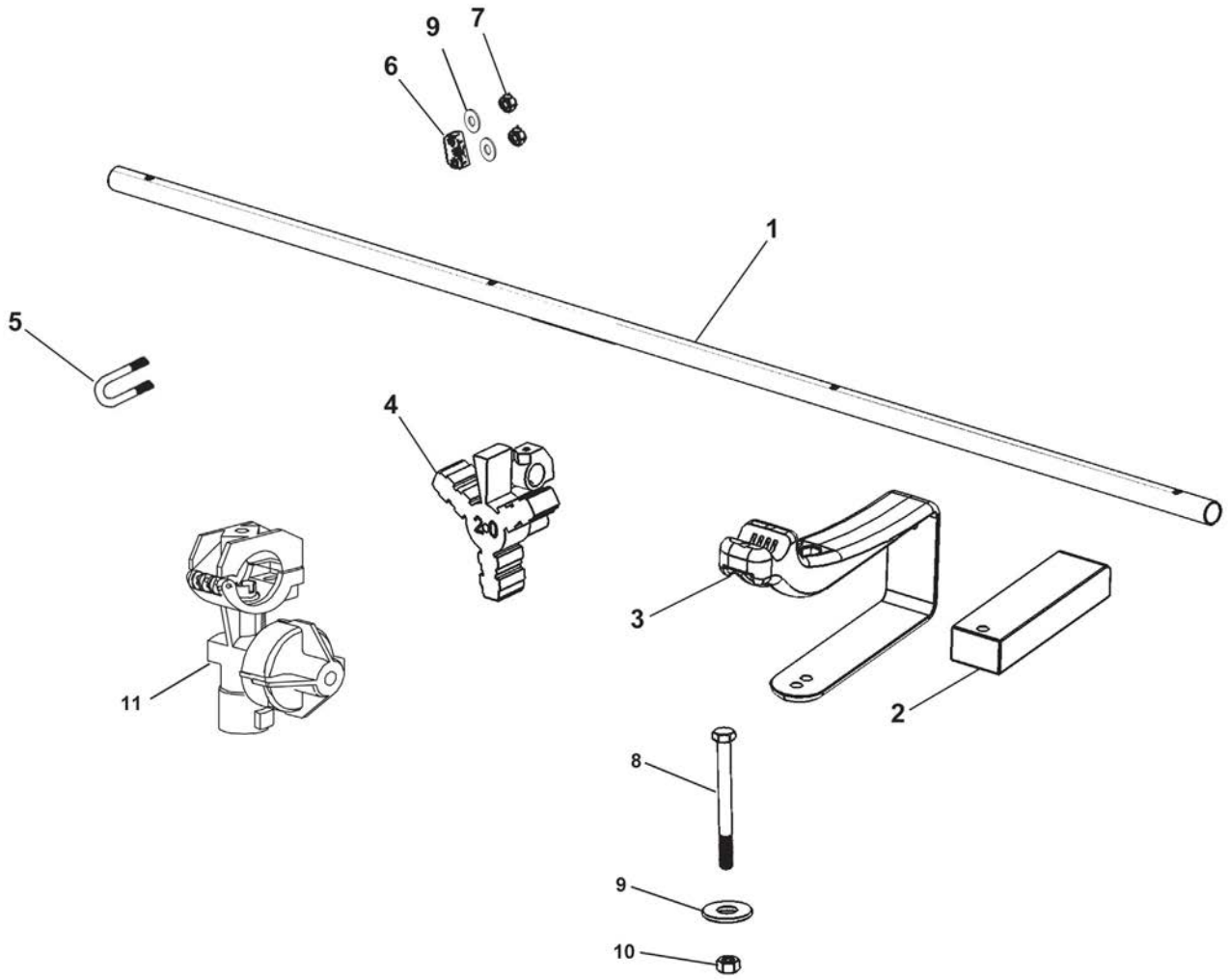
QJ360C

QJ375

QJ373

FAST GLOBAL
SOLUTIONS

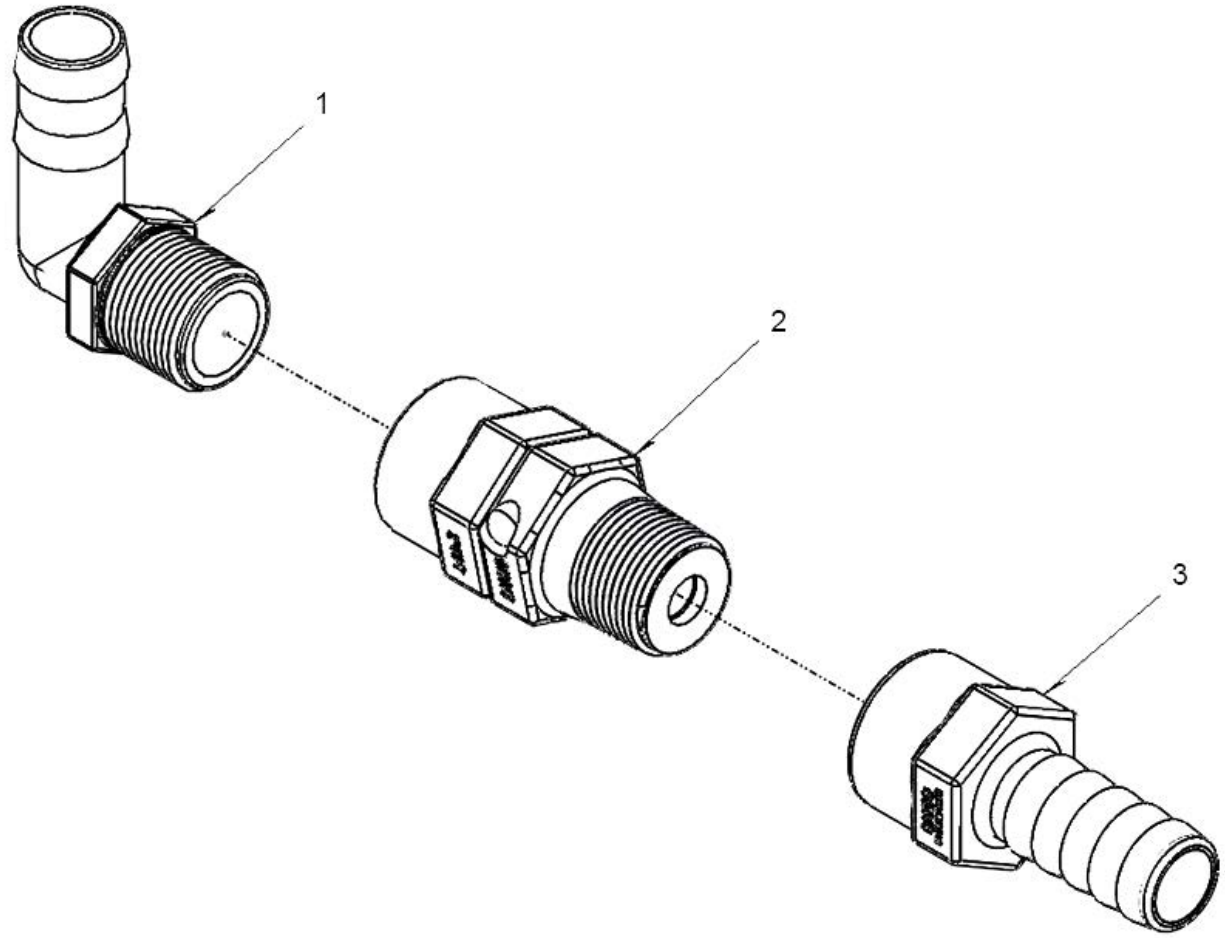
Delivery Tubes



Delivery Tubes Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	14301	AR	Tube, 6 Port 15 Inch Spacing + Fenceline Valve
1	14302	AR	Tube, 2 Port 15 Inch Spacing
1	14303	AR	Tube, 3 Port 15 Inch Spacing
1	14304	AR	Tube, 4 Port 15 Inch Spacing
1	14305	AR	Tube, 5 Port 15 Inch Spacing
1	14306	AR	Tube, 6 Port 15 Inch Spacing
1	14307	AR	Tube, 7 Port 15 Inch Spacing
1	14308	AR	Tube, 8 Port 15 Inch Spacing
1	14309	AR	Tube, 9 Port 15 Inch Spacing
1	14310	AR	Tube, 10 Port 15 Inch Spacing
1	14311	AR	Tube, 7 Port 20 Inch Spacing + Fenceline Valve
1	14312	AR	Tube, 2 Port 20 Inch Spacing
1	14313	AR	Tube, 3 Port 20 Inch Spacing
1	14314	AR	Tube, 4 Port 20 Inch Spacing
1	14315	AR	Tube, 5 Port 20 Inch Spacing
1	14316	AR	Tube, 6 Port 20 Inch Spacing
1	14317	AR	Tube, 7 Port 20 Inch Spacing
1	14318	AR	Tube, 8 Port 20 Inch Spacing
1	14319	AR	Tube, 9 Port 20 Inch Spacing
1	14320	AR	Tube, 5 Port 20 Inch Spacing + Fenceline Valve
1	14321	AR	Tube, 6 Port 20 Inch Spacing + Fenceline Valve
1	14322	AR	Tube, 2 Port 22 Inch Spacing
1	14323	AR	Tube, 3 Port 22 Inch Spacing
1	14324	AR	Tube, 4 Port 22 Inch Spacing
1	14325	AR	Tube, 5 Port 22 Inch Spacing
1	14326	AR	Tube, 6 Port 22 Inch Spacing
1	14327	AR	Tube, 7 Port 22 Inch Spacing
1	14329	AR	Tube, 6 Port 22 Inch Spacing + Fenceline Valve
1	14330	AR	Tube, 5 Port 22 Inch Spacing + Fenceline Valve
1	14331	AR	Tube, 6 Port 15 Inch Spacing + Fenceline Valve
1	14332	AR	Tube Assembly, 2 Port 15 Inch Spacing, Inc Nozzles
1	14333	AR	Tube Assembly, 3 Port 15 Inch Spacing, Inc Nozzles
1	14334	AR	Tube Assembly, 4 Port 15 Inch Spacing, Inc Nozzles
1	14335	AR	Tube Assembly, 5 Port 15 Inch Spacing, Inc Nozzles
1	14336	AR	Tube Assembly, 6 Port 15 Inch Spacing, Inc Nozzles
1	14337	AR	Tube Assembly, 7 Port 15 Inch Spacing, Inc Nozzles
1	14338	AR	Tube Assembly, 8 Port 15 Inch Spacing, Inc Nozzles
1	14339	AR	Tube Assembly, 9 Port 15 Inch Spacing, Inc Nozzles
1	14340	AR	Tube Assembly, 10 Port 15 Inch Spacing, Inc Nozzles
2	590054	AR	Spacer, Wet Boom
3	540040	AR	Clamp, Wet Boom
4	520039	AR	Nozzle Body Triple Wet Boom
5	590048	AR	U-Bolt Stainless Steel
6	540029	AR	Tube Clamp Base
7	655	AR	Nut HH
8	590078	AR	Bolt HH 1/4 x 4-1/2 GR5 Stainless Steel
9	685	AR	Washer 1/4" Stainless Steel
10	655	AR	Nut 1/4" Nylock Stainless Steel
11	520030	AR	Nozzle Body Single Wet Boom

60 - 80’ Side Fold Fitting

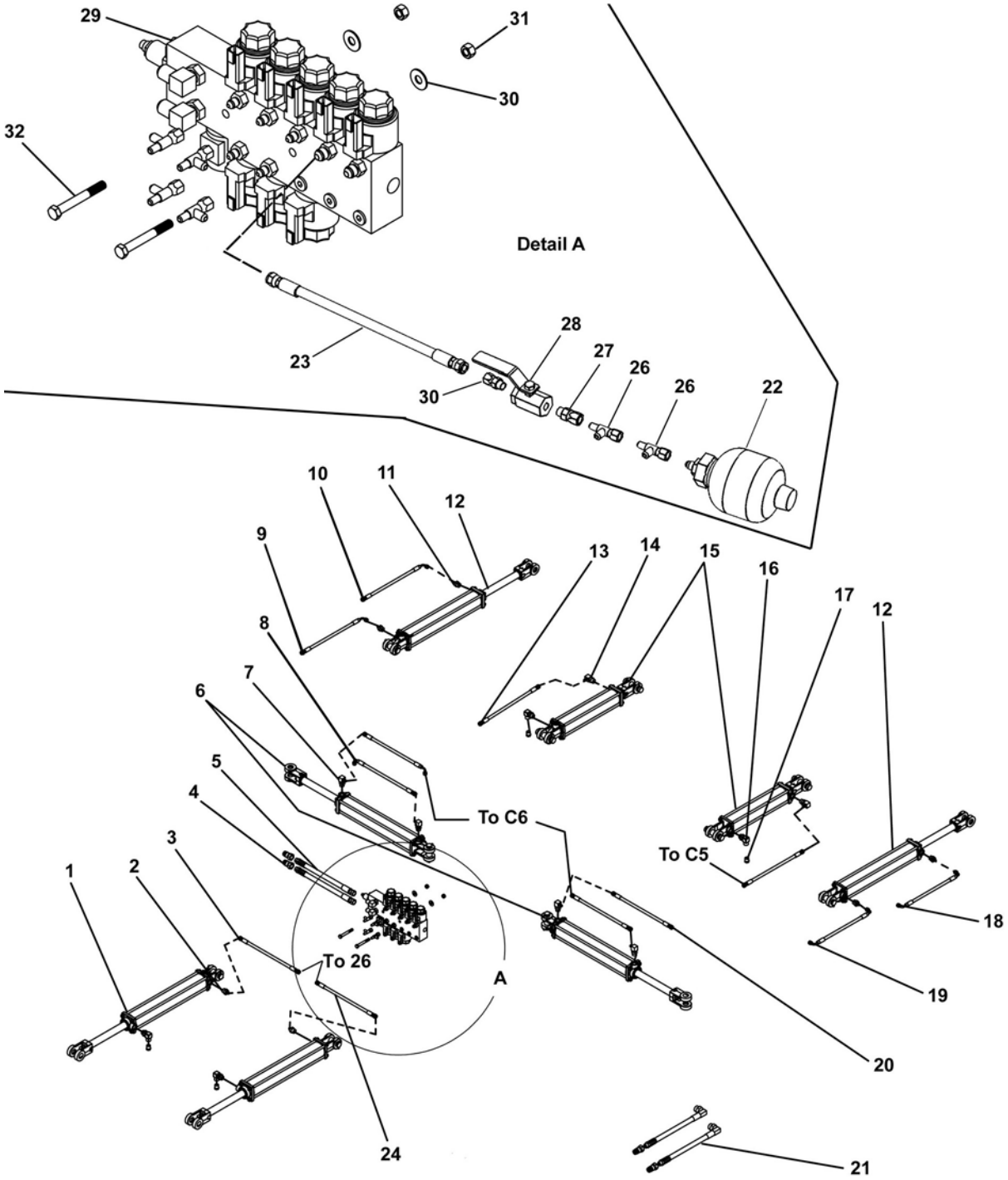


60 - 80’ Side Fold Fitting Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	530044	1	1" MPT X 1" HOSE SHANK-90°
2	530326	1	1' MALE X 1" FEMALE SWIVEL
3	530325	1	1' FEMALE THREAD X 1" HOSE SHANK

FAST GLOBAL SOLUTIONS

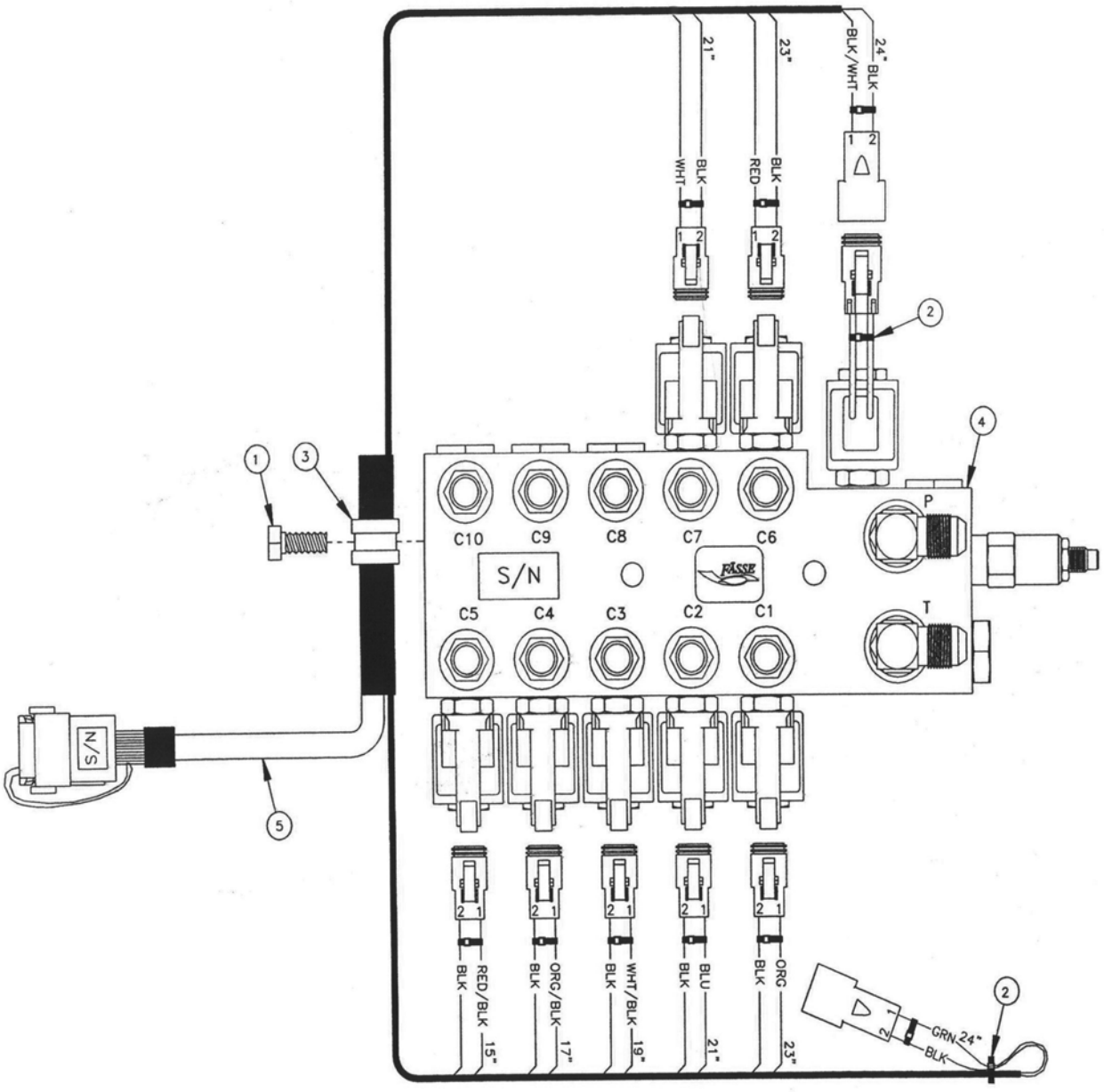
Hydraulic System



Hydraulic System Parts List

ITEM	VENDOR PART NO.	PART NO.	DESCRIPTION	QTY.	60'	80, 90 & 100'
1	648124	620019	Cylinder, 20TD16-150 SA Push, Main Lift	2		
2	6400-4-8-047	610038	8ORB x 4JIX Restricted Adapter, .047	2		
3	FDM4R17-4FJX	600008	Hose 4JIC Straight	1		
4	2-NV12-12SAE-M	530182	Hydraulic TIP x 8ORB	4		
5	FDM8R17-8FJX-8MBO-288		Hose Hydraulic Block Feed	2		
6	645710	620006	Cylinder, 30TD16-150 Double Acting, Fold	2		
7	6801-4-8-R.045	610039	8ORB x 4JIX 90° Restricted Adapter, .032 **(9600N)**	4		
7	6801-4-8-R.045	610040	8ORB x 4JIX 90° Restricted Adapter, .045 **(9600)**	4		
8	FDM4R17-4FJX-4FJX-104		Hose 4JIC Straight	2		
9	FDM4R17-4FJX90M-4FJX-302		Hose 4JIC Straight x 4JIC 90°	1		
10	FDM4R17-4FJX90M-4FJX-302		Hose 4JIC Straight x 4JIC 90°	1		
11		610039	8ORB x 4JIX 90° Restricted Adapter, .032 **(9600N)**	4		
11	6801-4-8-R.045	610040	8ORB x 4JIX 90° Restricted Adapter, .045 **(9600)**	4		
12	645710	620006	Cylinder, 30TD16-150 Double Acting, D13, Wing	2		
13	FDM6R17-6FJX-156		Hose 6JIC Straight	2		
14	6801-6-8	610030	8ORB x 6JIX Adapter	2		
15	648422	620023	Cylinder, 25TD08-112 SA Pull, Wing Tilt	2		
15			For Norac/Raven Boom Height Control Systems		Opt.	
15	648402 Opt. Norac/Raven	620022	Cylinder, 25TD10-112 SA Pull, Wing Tilt		Opt.	
16	6805-6-8	610035	8ORB x 3/8" FPT 90° Adapter	4		
17	BV3	610036	Breather 3/8" MPT	4		
18	FDM4R17-4FJX90M-SAME-302		Hose Hydraulic 4JIC 90° x 4JIC 90°	1		
19	FDM4R17-4FJX90M-4FJX-322		Hose Hydraulic 4JIC 90° x 4JIC 90°	1		
20	FDM4R17-4FJX-4FJX-104		Hose Hydraulic 4JIC Straight	2		
21	FDM8R17-8MBO-10MBX090-204		Hose Hydraulic Pump Feed	2		
22	0531-601-500/100	630002	Accumulator	1		
23	FDM4R17-4FJX-4FJX90M-15		Hose Hydraulic 4JIC Straight	1		
24	FDM4R17-4FJX-4FJX-25.3		Hose Hydraulic 4JIC Straight	1		
25	N/A					
26		610026	Run Tee Adapter 4JIC, ZN	6		
26	6602-4	610028	Run Tee Adapter 4JIC	6		
27	6402-04-04	610018	Adapter Swivel 4JIC x 4ORB	1		
28	MPV-14-SAE	500000	Valve 1/4 Turn Hydraulic	1		
29	700-0805-4103	630008	Hydraulic Block - 5 Station		1	
NS	700-0806-4103	630011	Hydraulic Block - 6-Station			1
30	6400-04	610007	4 ORB x 4 JIC	1		
31	237	237	Nut HH 3/8" Nylock Zp Centerlock	2		
32	132	132	Bolt HH 3/8 x 3" GR5 Zp	2		
	Seal Kits					
	648126		648124 20TD16-150 SA PUSH			

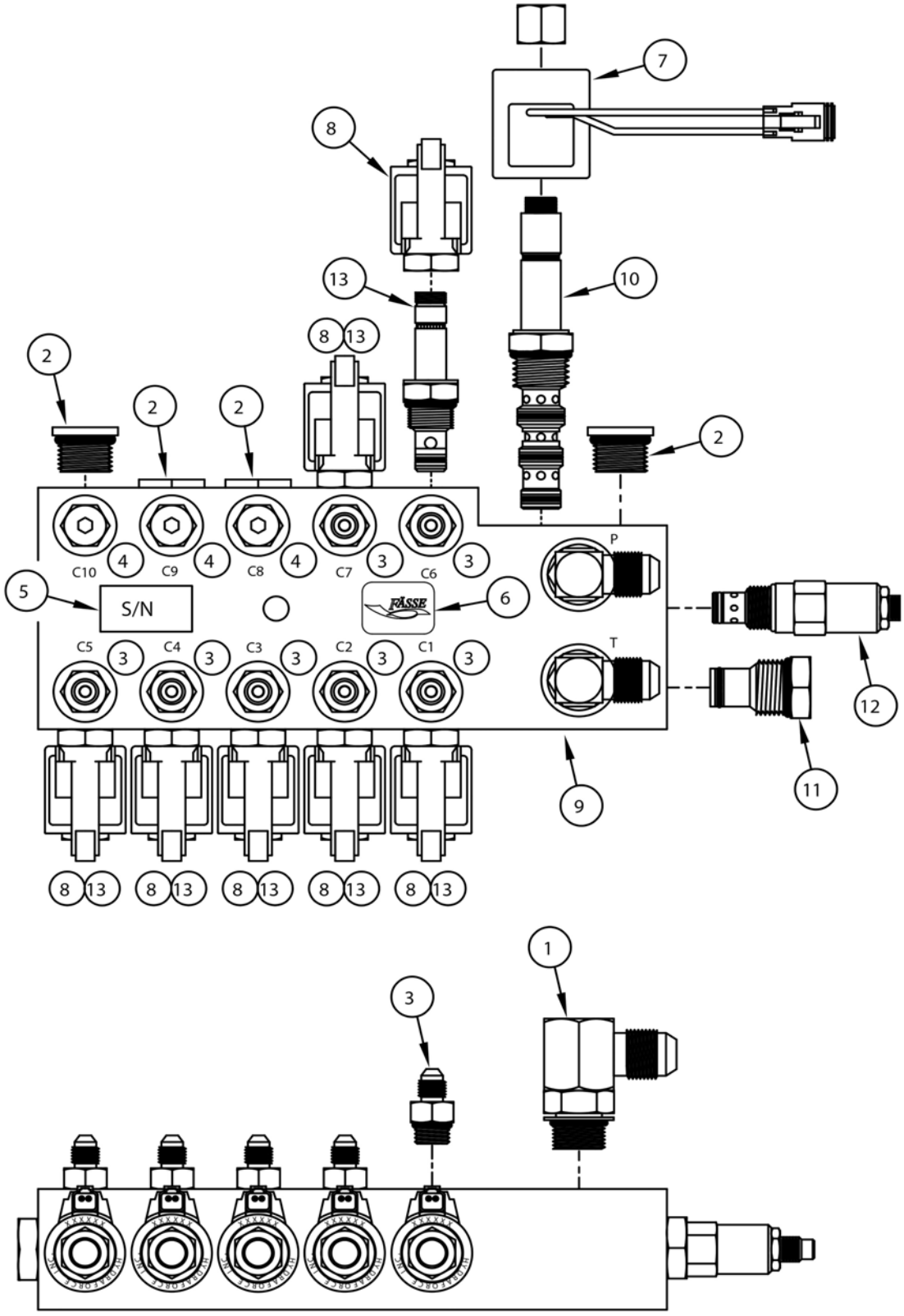
Hydraulic Control Valve Harness - 60 - 66 Foot Boom



Hydraulic Control Valve Harness - 60 - 66 Foot Boom Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	212-025	1	Bolt, 5/16-18 x 0.75
2	214-002	14	Cable Tie, Black, 7"
3	255-026	1	Loom Clamp, .5" ID Metal/Rubber
4	302-374	1	Manifold Assembly, 0805 2DA 3SA0Closed Intg DTR 12V WP6400-4 PT6801-8
5	319-668	1	Harness Assembly, 12 con 18ga DTR Key A 12P(12)-2DTR2P(2) 33'

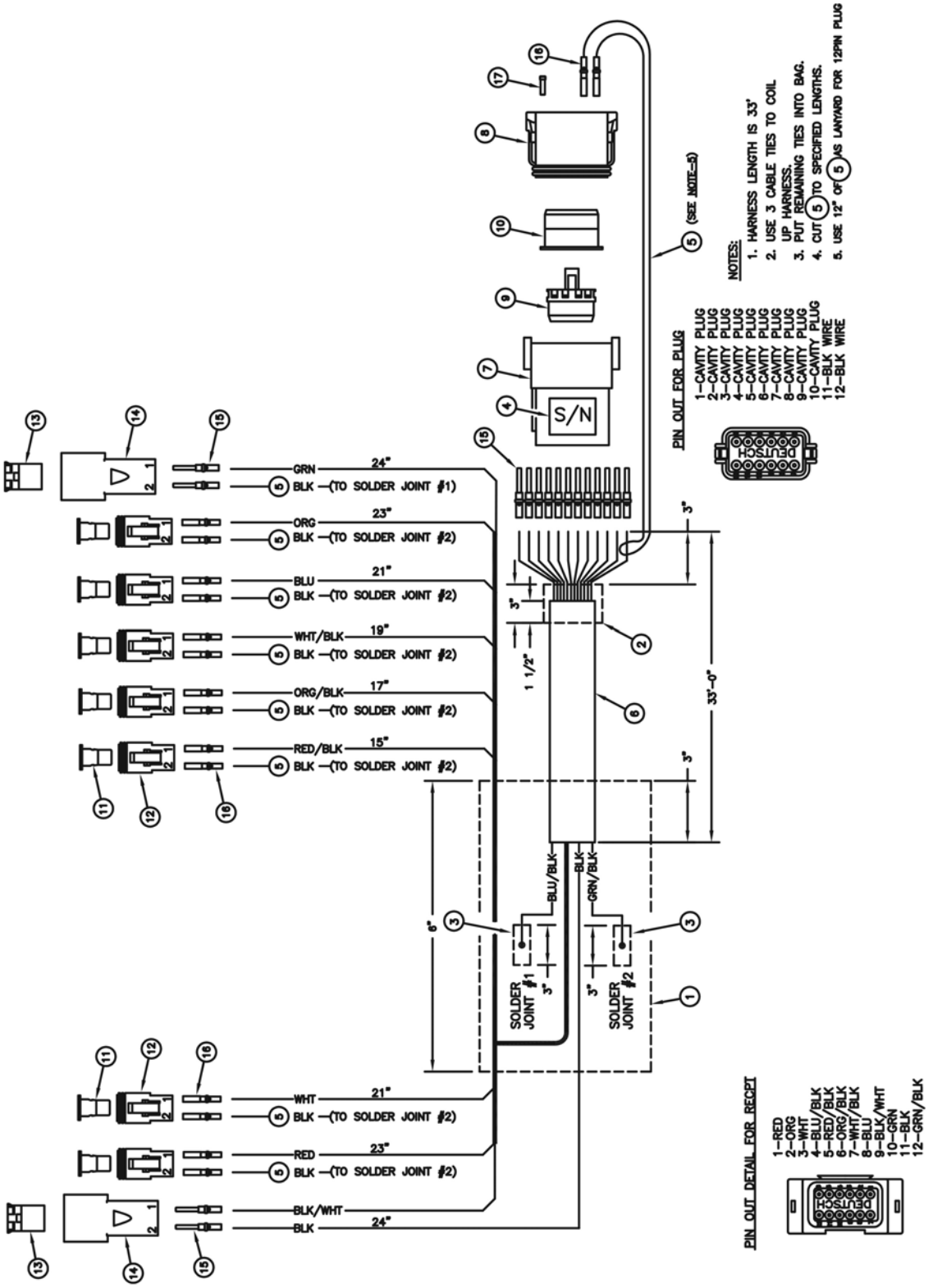
Hydraulic Control Valve - 60 - 66 Foot Boom



Hydraulic Control Valve - 60 - 66 Foot Boom Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	210-017	2	FITTING 6801-8-8/E-MJ-MO
2	210-038	4	FITTING 6408-HHP-8/HOLL HEX PLUG MO
3	210-113	7	FITTING 6400-4-6/S-MJ-MO
4	210-127	3	FITTING 6408-HHP-6/HOLL HEX PLUG MO
5	232-050	2	DECAL S/N (SILVER)
6	232-058	1	DECAL FASSE BLACK/GOLD 1" X .75" ROUND CORNER
7	253-037	1	COIL H/F 6359774 DT
8	253-046	7	COIL HYDAC 0312600 DL DSTCH RECPT.
9	270-093	1	MANIFOLD S14153-4 5CIR AL RV
10	273-008	1	CARTRIDGE SV10-40-0-N-00 (Seal Kit Part Number 274-001)
11	273-012	1	CARTRIDGE CP10-20 (Seal Kit Part Number 274-019)
12	273-058	1	CARTRIDGE H/F RV10-22A-0-N-NC-35-30 (Seal Kit Part Number 274-009)
13	273-077	7	CARTRIDGE HYDAC WS 08W-01-C-N-0 (Seal Kit Part Number 274-028)

Hydraulic Control Valve Harness - 60 - 66 Foot Boom



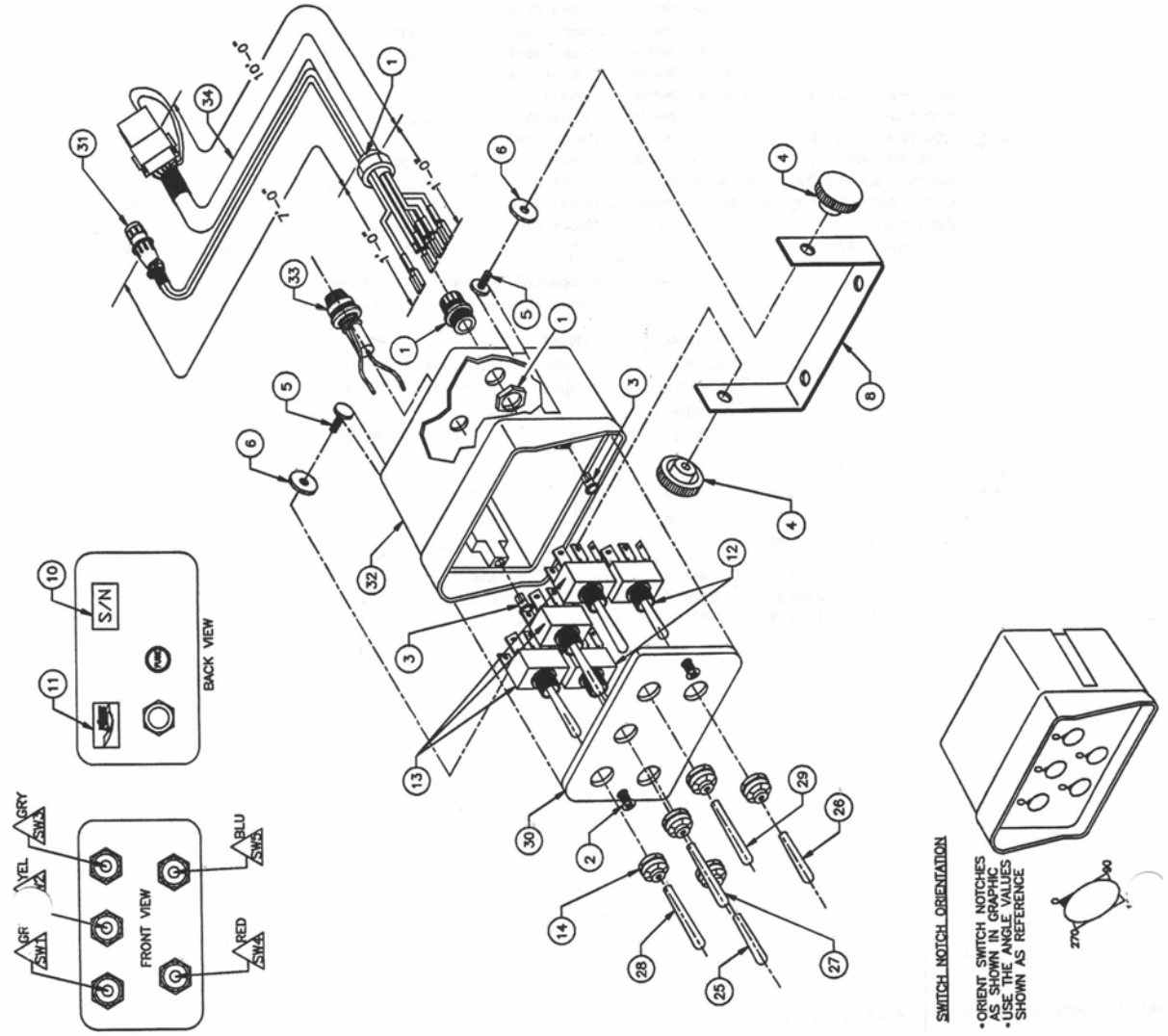
Hydraulic Control Valve Harness - 60 - 66 Foot Boom Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	231-008	6"	Shrink Tubing .750
2	231-009	3"	Shrink Tubing .5
3	231-250	6"	Shrink Tubing .250 Black
4	232-050	2	Decal S/N (Silver)
5	252-058	159"	Wire 18ga Black
6	252-064	35'	Cable 12con Gray 18ga
7	255-212	1	Connector Deutsch 12 Pin recepticle DT
8	255-213	1	Connector Deutsch DT PLUG 12 PIN
9	255-214	1	Connector Deutsch LOCK WEDGE 12 PIN DTR
10	255-215	1	Connector Deutsch LOCK WEDGE 12 PIN DTP
11	255-505	7	Connector Deutsch LOCK WEDGE 2 PIN DTP
12	255-801	7	Connector Deutsch 2 PIN PLUG DT
13	255-969	2	Connector Deutsch LOCK WEDGE 2 PIN DTR
14	255-971	2	Connector Deutsch 2 PIN RECEPTICLE DT
15	255-977	16	TERMINAL PIN DEUTSCH 16/18GA
16	255-978	16	TERMINAL SOCKET DEUTSCH 16/18GA
17	255-979	10	Connector Deutsch

Control Console - 60 - 66 Foot Boom

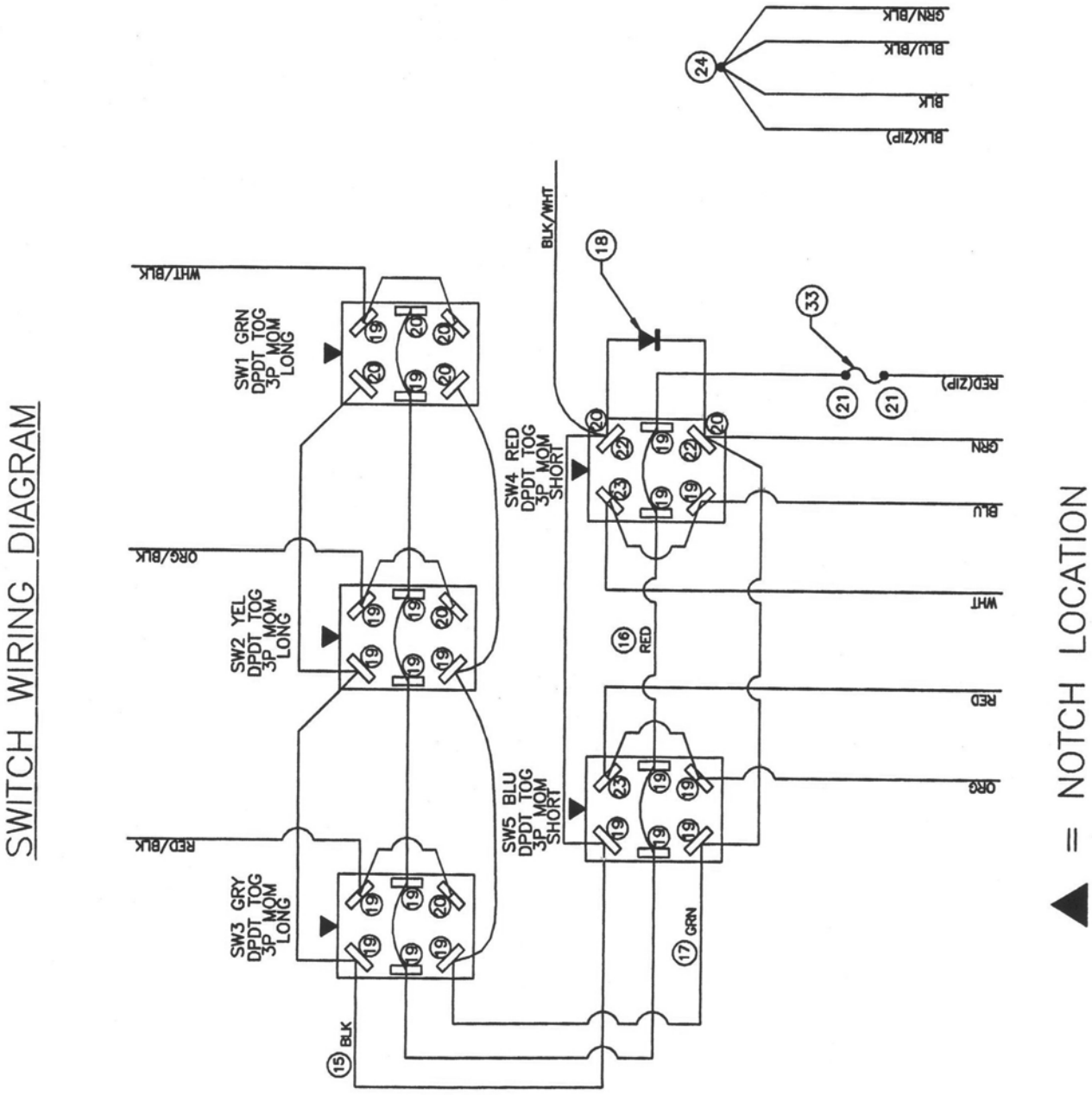
PARTS LIST

NO	PART NUMBER	QTY	PART DESCRIPTION
1	210-710	1	STR RLF HEYCO .23"-.53"ID, HOLE DIA. .886"
2	212-184	2	SCREW 6-32 X 3/8 OVAL HD BLK
3	212-202	2	INSERT 6-32X3/8 BRASS
4	212-215	2	KNOB 1/4-20 FEMALE
5	212-231	2	SCREW WELDED 1/4-20 X .500
6	213-335	2	WASHER NYLON .257X.875X.060
7	214-002	3	CABLE TIE BLACK 7"
8	219-300	1	BRKT HSNG MONITOR
9	230-057	1	BAG POLY CLR 14 X 18 2MIL W/LOGO
10	232-050	2	DECL S/N (SILVER)
11	232-059	1	DECL GOLD/BLK 1.5 X .5
12	250-007	2	SW TOG DPDT 3P MOM SHORT
13	250-013	3	SW TOG DPDT 3P MOM LONG
14	250-023	5	SW TOG BOOT OPN GRY
15	252-058	18"	WIRE 18GA BLK
16	252-059	24"	WIRE 18GA RED
17	252-060	18"	WIRE 18GA GRN
18	254-001	1	DIODE D11GA2 6AMP
19	255-002	20	TRM T-TAP F PO BLU
20	255-006	8	TRM PO F NON INS 20/18GA
21	255-030	2	TRM SPLICE CLOSED END 16-18GA
22	255-070	2	TRM PO M/F 14-16GA
23	255-119	2	TRM PO F INS 16-14GA
24	255-285	1	TRM SLPICE CLOSED END LRG
25	259-005	1	SW TOG GRIP VNYL RED .187
26	259-015	1	SW TOG GRIP VNYL BLU .187
27	259-022	1	SW TOG GRIP VNYL YEL .187
28	259-023	1	SW TOG GRIP VNYL GRN .187
29	259-027	1	SW TOG GRIP VNYL GRY .187
30	311-083	1	ENCL FP DRL MNTR/FD DECL-5X15/32 3SA
31	314-217	1	HARNESS R/B WIRE SERIES 3 P/8'
32	319-725	1	ENCL DRILL MNTRBX FH-7/8" STR RLF
33	319-769	1	FUSEHOLDER PW ASSY 10A /.5'
34	320-184	1	HRN 12CON 18GA DTP KEY A 12P(12) 11' END CAP



FAST GLOBAL
SOLUTIONS

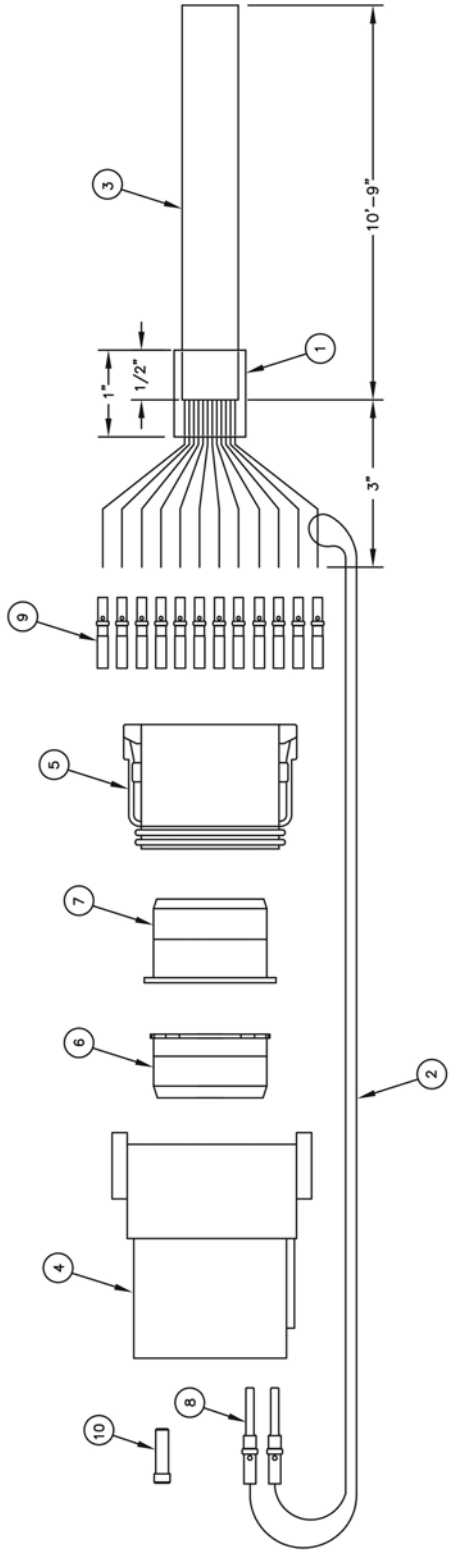
Control Console - 60 - 66 Foot Boom



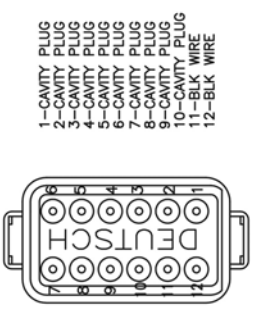
Wiring Harness - 60 - 66 Foot Boom

PARTS LIST

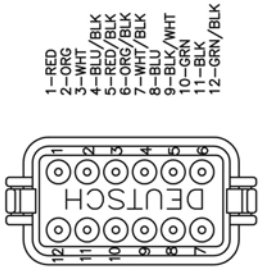
№	PART NUMBER	QTY	PART DESCRIPTION
1	231-009	1"	SHRINKTUBING .500" BLK
2	252-058	12"	WIRE 18GA BLK
3	252-064	11'	CABLE 12CON 18GA PVC GRY
4	255-212	1	CONN DEUT DT RECPT 12PIN
5	255-213	1	CNTR DEUTSCH 12PIN PLUG DT
6	255-214	1	CONN DEUT LOCKWEDGE 12PIN DTR
7	255-215	1	CNTR LOCK WEDGE 12PIN DTP
8	255-977	2	CONT DEUT PIN 16-18GA
9	255-978	12	CNTR DEUTSCH SOCKET 16/18GA
10	255-979	10	CONT DEUT CAVITY PLUG



PIN OUT DETAIL FOR RECEPT



PIN OUT DETAIL FOR PLUG

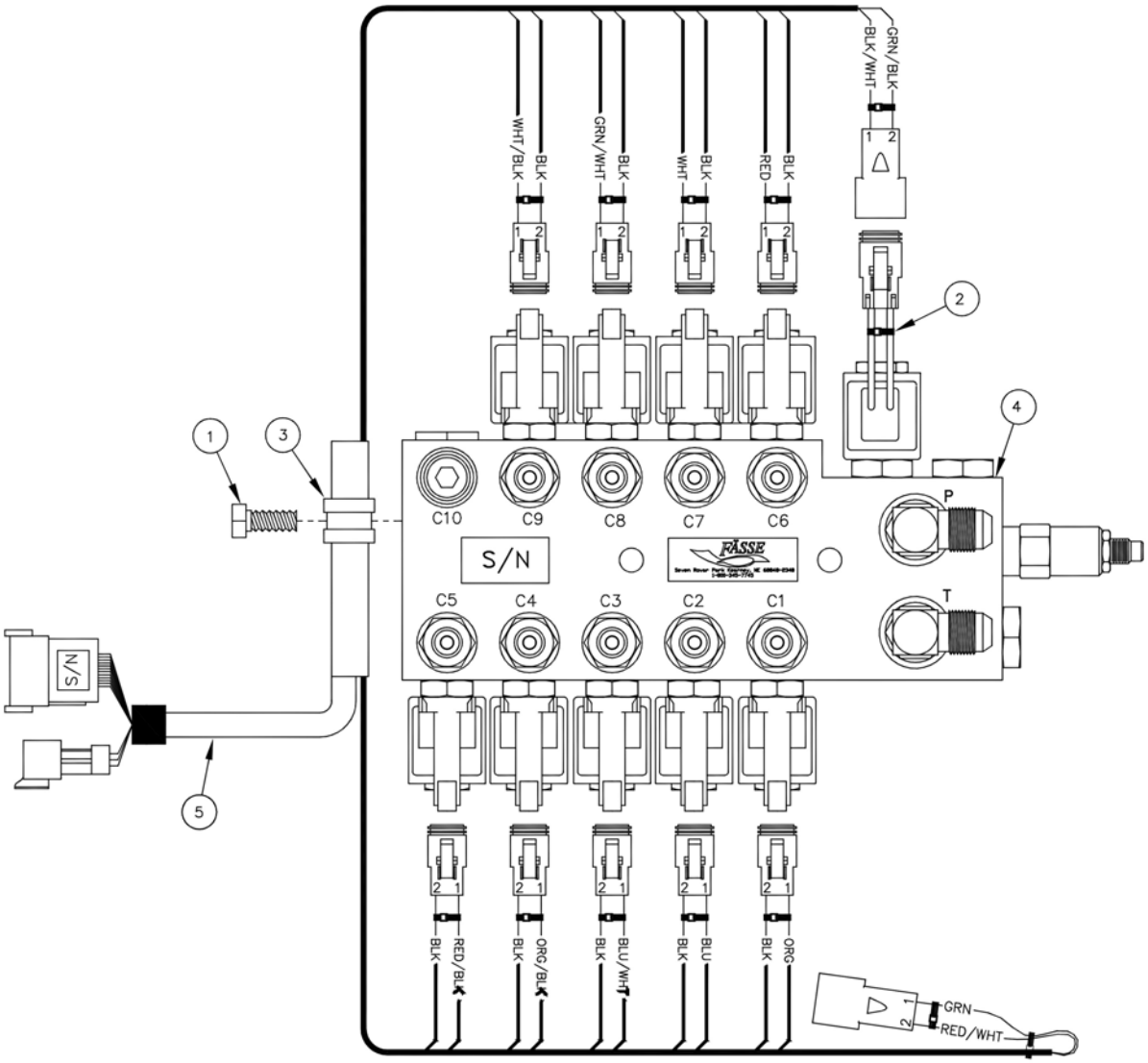


Control Console Decal - 60 - 66 Foot Boom

700-0805-4103 & 700-0805-4104

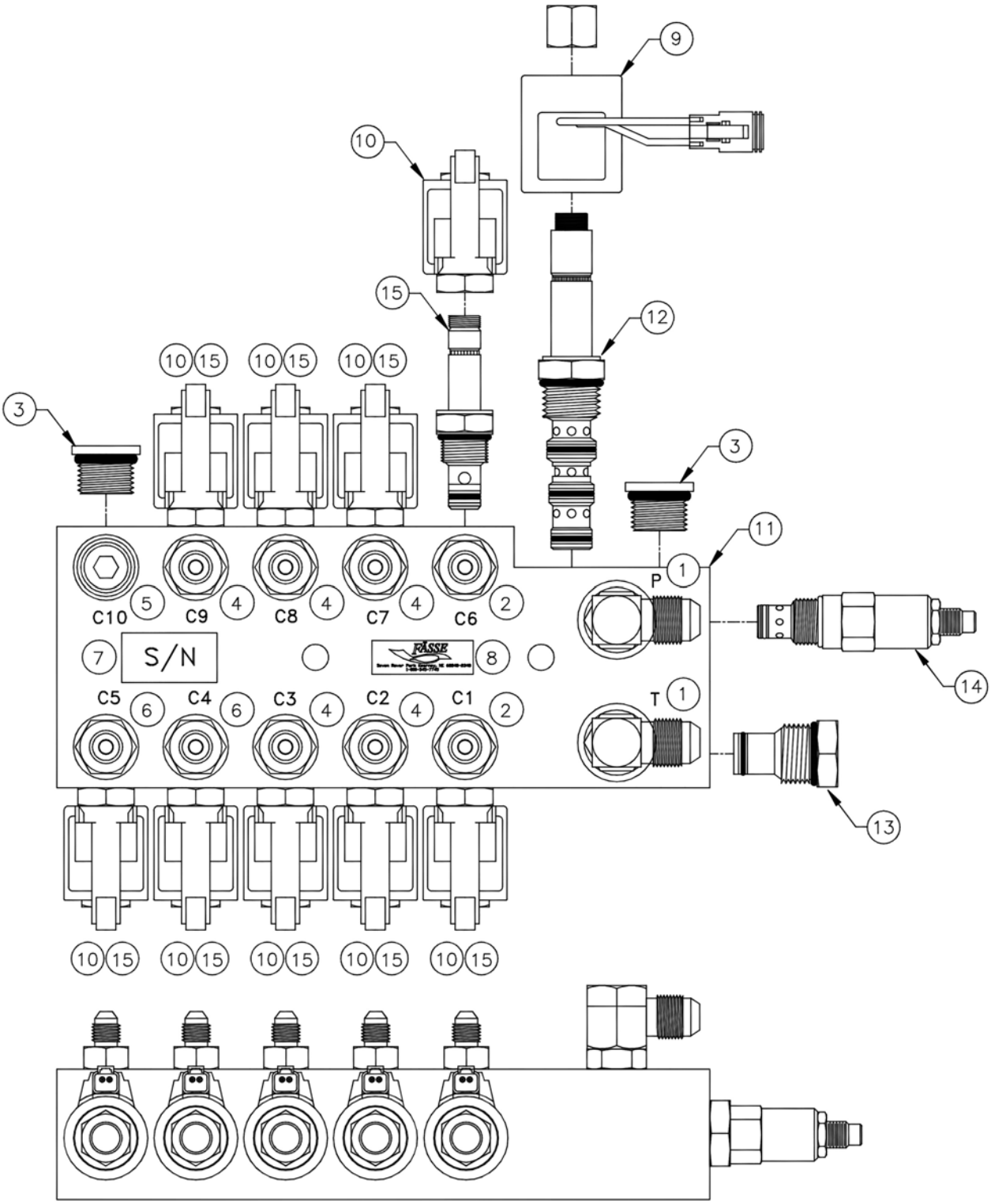
Switch No.	Boot Color	Switch Position	Hot Wires	Pin Out Location	Pressure Ports	Tank Ports	Function
1 Long	Green	Up (mom)	Wht/Blk & Grn	7 & 10	C3	--------	Lt. Wing Up
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Wht/Blk & Grn & Blk/Wht	7 & 10 & 9	--------	C3	Lt. Wing Down
2 Long	Yellow	Up (mom)	Org/Blk & Grn	6 & 10	C4	--------	Main Up
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Org/Blk & Grn & Blk/Wht	6 & 10 & 9	--------	C4	Main Down
3 Long	Gray	Up (mom)	Red/Blk & Grn	5 & 10	C5	--------	Rt. Wing Up
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Red/Blk & Grn & Blk/Wht	5 & 10 & 9	--------	C5	Rt. Wing Down
4 Short	Red	Up (mom)	Wht & Blu & Grn	3 & 8 & 10	C2	C7	Flip Wings Transport
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Wht & Blu & Grn & Blk/Wht	3 & 8 & 10 & 9	C7	C2	Flip Wings Field
5 Short	Blue	Up (mom)	Red & Org & Grn	1 & 2 & 10	C1	C6	Main Wing Transport
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Red & Org & Grn & Blk/Wht	1 & 2 & 10 & 9	C6	C1	Main Wing Field
--------	--------	--------	Blk	11	--------	--------	Ground
--------	--------	--------	Blu/Blk	4	--------	--------	Ground
--------	--------	--------	Grn/Blk	12	--------	--------	Ground

Hydraulic Control Valve Wiring Harness - 80, 90 & 100 Foot Boom



PARTS LIST			
Nº	PART NUMBER	QTY	PART DESCRIPTION
1	212-025	1	BOLT 5/16-18 X .75
2	214-002	13	CABLE TIE BLACK 7"
3	255-026	1	LOOM CLAMP .5"ID METAL/RUBB
4	302-780	1	MANI ASSY 0806 4DA 1SA CLSD DTR 12V WP6400-4(7)+6(2)R.047 P6801-8
5	319-724	1	HRN ASSY 15CON 18GA DTR KEY A 12P(12)-DTR3P(3)-9DTP2P(2) 2DTR2P(2)) 33"

Hydraulic Control Valve - 80, 90 & 100 Foot Boom



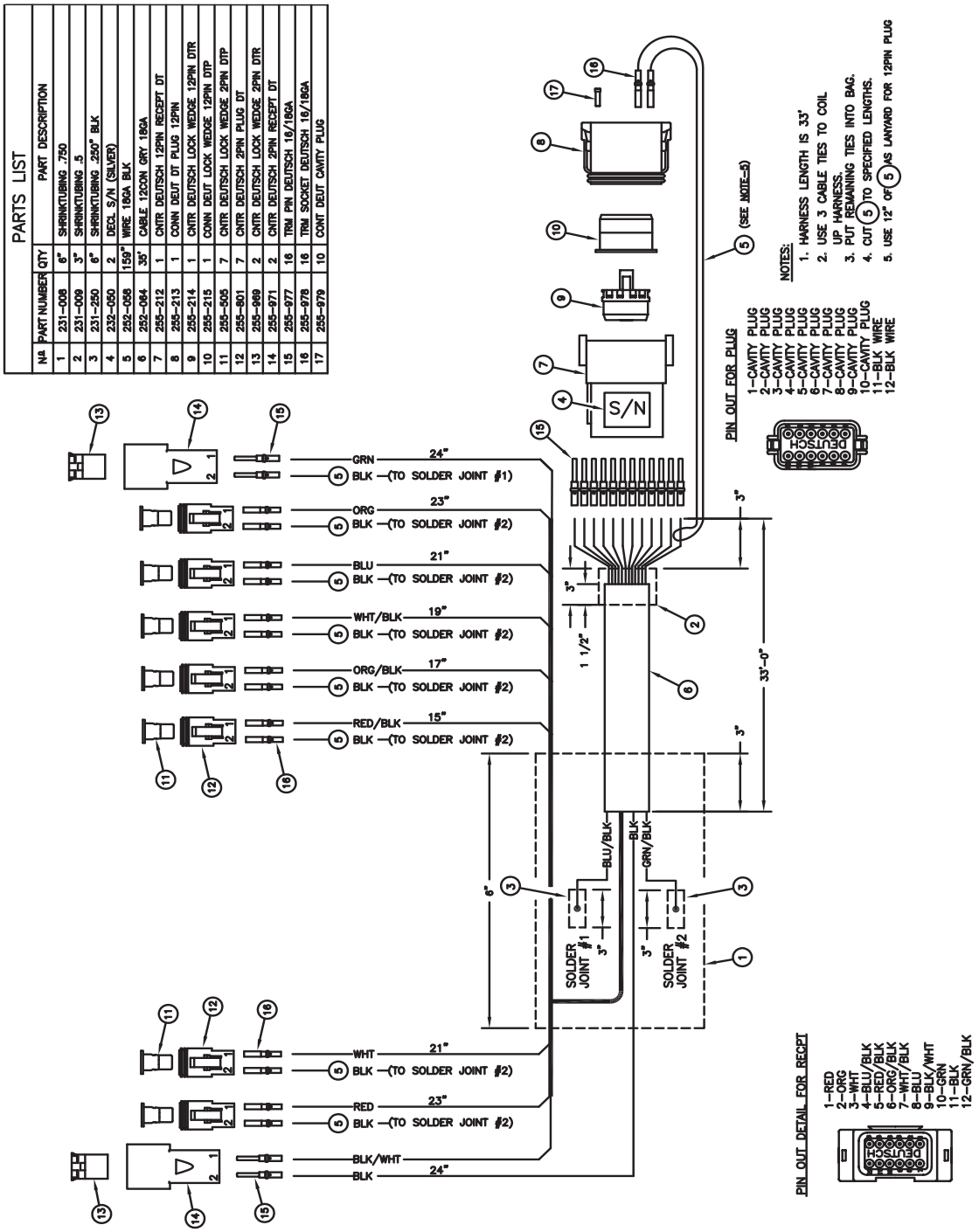
Hydraulic Control Valve - 80, 90 & 100 Foot Boom Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	210-017	2	FITTING 6801-8-8/E-MJ-MO
2	273-023	2	FITTING 6400-6-6/S-MJ-MO
3	210-038	4	FITTING 6408-HHP-8/HOLL HEX PLUG MO
4	210-113	7	FITTING 6400-4-6/S-MJ-MO
5	210-127	3	FITTING 6408-HHP-6/HOLL HEX PLUG MO
6	210-188	2	FITTING 6400-6-6 R.047/S-MJ-MO
7	232-050	2	DECAL S/N (SILVER)
8	232-058	1	DECAL FASSE BLACK/GOLD 1" X .75" ROUND CORNER
9	253-037	1	COIL H/F 6359774 DT
10	253-046	7	COIL HYDAC 0312600 DL DSTCH RECPT.
11	270-093	1	MANIFOLD S14153-4 5CIR AL RV
12	273-008	1	CARTRIDGE SV10-40-0-N-00 (Seal Kit Part Number 274-001)
13	273-012	1	CARTRIDGE CP10-20 (Seal Kit Part Number 274-019)
14	273-058	1	CARTRIDGE H/F RV10-22A-0-N-NC-35-30 (Seal Kit Part Number 274-009)

Hydraulic Control Valve Wiring Harness

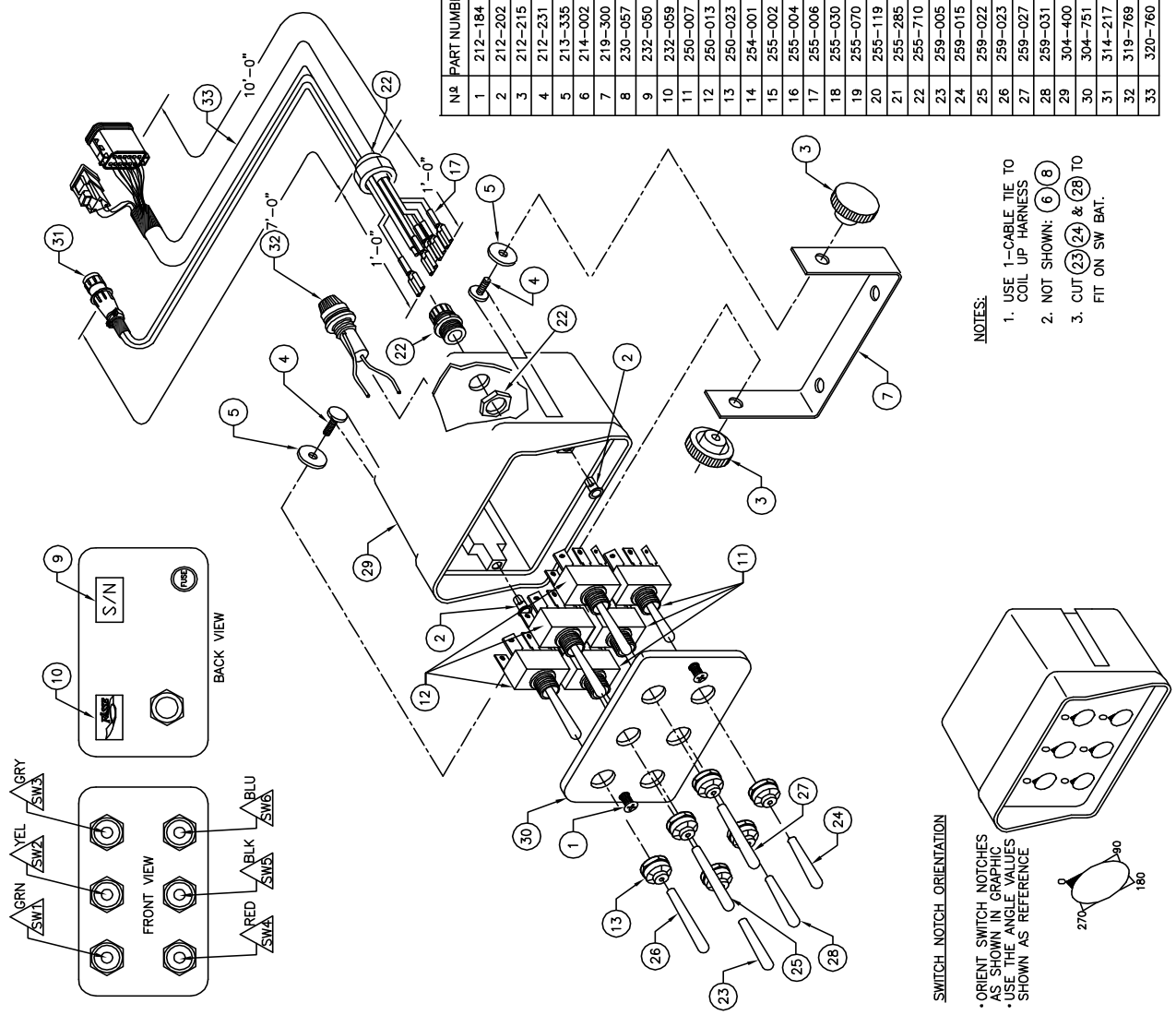
PARTS LIST

NO	PART NUMBER	QTY	PART DESCRIPTION
1	231-008	6"	SHRINKTUBING .750
2	231-009	3"	SHRINKTUBING .5
3	231-250	6"	SHRINKTUBING .250" BLK
4	232-050	2	DECL S/N (SILVER)
5	252-058	159"	WIRE 18GA BLK
6	252-064	35"	CABLE 12CON GRY 18GA
7	255-212	1	CNTR DEUTSCH 12PIN RECEPT DT
8	255-213	1	CONN DEUT DT PLUG 12PIN
9	255-214	1	CNTR DEUTSCH LOCK WEDGE 12PIN DTR
10	255-215	1	CONN DEUT LOCK WEDGE 12PIN DTP
11	255-505	7	CNTR DEUTSCH LOCK WEDGE 2PIN DTP
12	255-801	7	CNTR DEUTSCH 2PIN PLUG DT
13	255-969	2	CNTR DEUTSCH LOCK WEDGE 2PIN DTR
14	255-971	2	CNTR DEUTSCH 2PIN RECEPT DT
15	255-977	16	TRM PIN DEUTSCH 16/18GA
16	255-978	16	TRM SOCKET DEUTSCH 16/18GA
17	255-979	10	CONT DEUT CAVITY PLUG

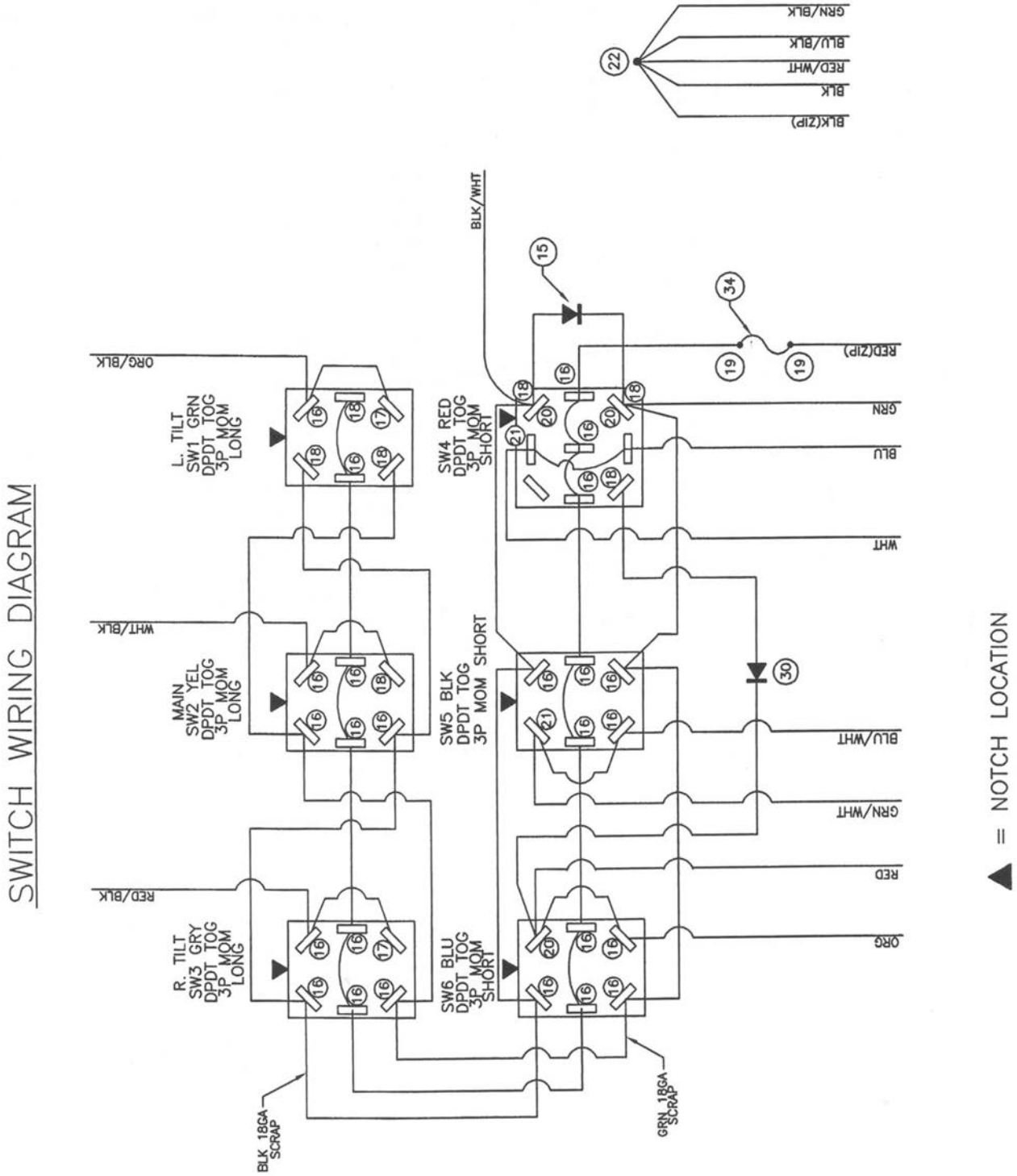


Control Console - 80, 90 & 100 Foot Boom

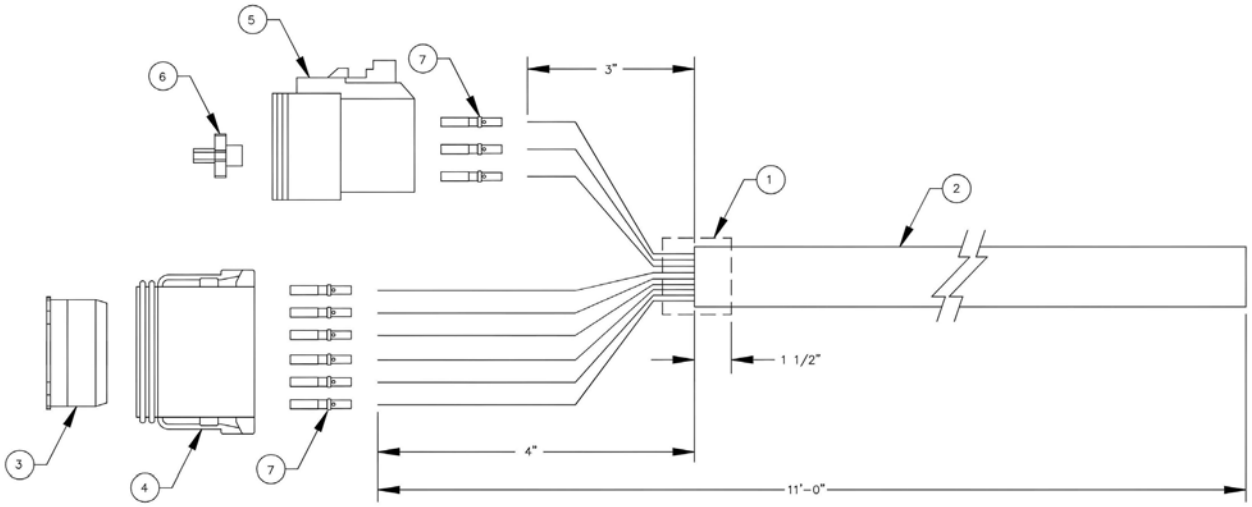
№	PART NUMBER	QTY	PART DESCRIPTION
1	212-184	2	SCREW 6-32 X 3/8 OVAL HD BLK
2	212-202	2	INSERT 6-32X3/8 BRASS
3	212-215	2	KNOB 1/4-20 FEMALE
4	212-231	2	SCREW WELDED 1/4-20 X .500
5	213-335	2	WASHER NYLON .257X.875X.060
6	214-002	3	CABLE TIE BLACK 7"
7	219-300	1	BRKT HSNG MONITOR
8	230-057	1	BAG POLY CLR 14 X 18 2MIL W/LOGO
9	232-050	2	DECL S/N (SILVER)
10	232-059	1	DECL GOLD/BLK 1.5 X .5
11	250-007	3	SW TOG DPDT 3P MOM SHORT
12	250-013	3	SW TOG DPDT 3P MOM LONG
13	250-023	6	SW TOG BOOT OPN GRY
14	254-001	1	DIODE D116A2 6AMP
15	255-002	25	TRM T-TAP F PO BLU
16	255-004	2	TRM PO F FULL INS 22-18GA
17	255-006	6	TRM PO F NON INS 20/18GA
18	255-030	2	TRM SPLICE CLOSED END 16-18GA
19	255-070	2	TRM PO M/F 14-16GA
20	255-119	3	TRM PO F INS 16-14GA
21	255-285	1	TRM SLPICE CLOSED END LRG
22	255-710	1	STRAIN RLF HEYCO .45"-.705"ID, HOLE DIA 1.115"
23	259-005	1	SW TOG GRIP VNYL RED .187
24	259-015	1	SW TOG GRIP VNYL BLU .187
25	259-022	1	SW TOG GRIP VNYL YEL .187
26	259-023	1	SW TOG GRIP VNYL GRN .187
27	259-027	1	SW TOG GRIP VNYL GRY .187
28	259-031	1	GRIP TOG VNYL BLK .187"
29	304-400	1	ENCL DRILL MNTRBX FH-1 1/8"G
30	304-751	1	ENCL DRILL FP MNTR SW6 F00204
31	314-217	1	HARNESS R/B WIRE SERIES 3 P/8'
32	319-769	1	FUSEHOLDER PM ASSY 10A /.5'
33	320-760	1	HRN 15CON 18GA DTP KEY A 12P(12) DTP3P(3) 11'

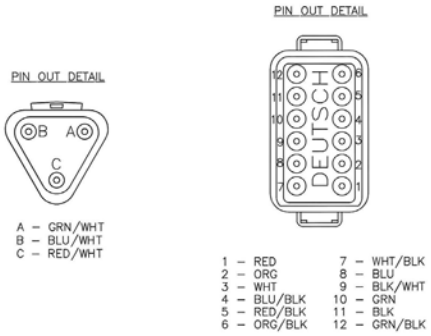


Control Console Switch Diagram



Wiring Harness - 80, 90 & 100 Foot Boom





Wiring Harness - 80, 90 & 100 Foot Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	231-007	3"	SHRINK TUBING .625
2	252-020	11'	CABLE 15CON 18 GAUGE
3	255-215	1	CENTER LOCK WEDGE 12 PIN DTP
4	255-756	1	CONNECTOR DEUTSCH DT PLUG 12 PIN KEY A
5	255-813	1	CONNECTOR DEUTSCH 3 PIN PLUG DTDT PLUG 12 PIN KEY A
6	255-817	1	CONNECTOR DEITSCH LOCK WEDGE 3 PIN DTP
7	255-978	15	CONNECTOR DEUTSCH SOCKET 16/18 GAUGE

Control Console Decal - 80, 90 & 100 Foot Boom

700-0806-4105 120' Fixed Tongue

Switch No.	Boot Color	Switch Position	Hot Wires	Pin Out Location	Pressure Ports	Tank Ports	Function
1 Long	Green	Up (mom)	Org/Blk & Grn	6-12P, 10-12P	C4	--------	Lt. Wing Up
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Org/Blk & Grn & Blk/Wht	6-12P, 10-12P, 9-12P		C4	Lt. Wing Down
2 Long	Yellow	Up (mom)	Wht/Blk & Grn & Blk/Wht	7-12P, 10-12P, 9-12P	C9	--------	Main Up
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Wht/Blk & Grn	7-12P, 10-12P		C9	Main Down
3 Long	Gray	Up (mom)	Red/Blk & Grn	5-12P, 10-12P	C5	--------	Rt. Wing Up
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Red/Blk & Grn & Blk/Wht	5-12P, 10-12P, 9-12P		C5	Rt. Wing Down
4 Short	Red	Up (mom)	Wht & Blu & Grn	3-12P, 8-12P, 10-12P	C2	C7	Main Wing Transport
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Wht & Blu & Grn & Blk/Wht	3-12P, 8-12P, 10-12P, 9-12P	C7	C2	Main Wing Field
5 Short	Black	Up (mom)	Grn/Wht & Blu/Wht & Grn	1-3P, 2-3P, 10-12P	C3	C8	Flip Wings Transport
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Grn/Wht & Blu/Wht & Grn & Blk/Wht	1-3P, 2-3P, 10-12P, 9-12P	C8	C3	Flip Wings Field
6 Short	Blue	Up (mom)	Red & Org & Grn	1-12P, 2-12P, 10-12P	C1	C6	Hitch Transport
		Center (stat)	--------	--------	--------	--------	Off
		Down (mom)	Red & Org & Grn & Blk/Wht	1-12P, 2-12P, 10-12P, 9-12P	C6	C1	Hitch Field
--------	--------	--------	Blk	11-12P	--------	--------	Ground
--------	--------	--------	Red/Wht	3-3P	--------	--------	Ground
--------	--------	--------	Blu/Blk	4-12P	--------	--------	Ground
--------	--------	--------	Grn/Blk	12-12P	--------	--------	Ground

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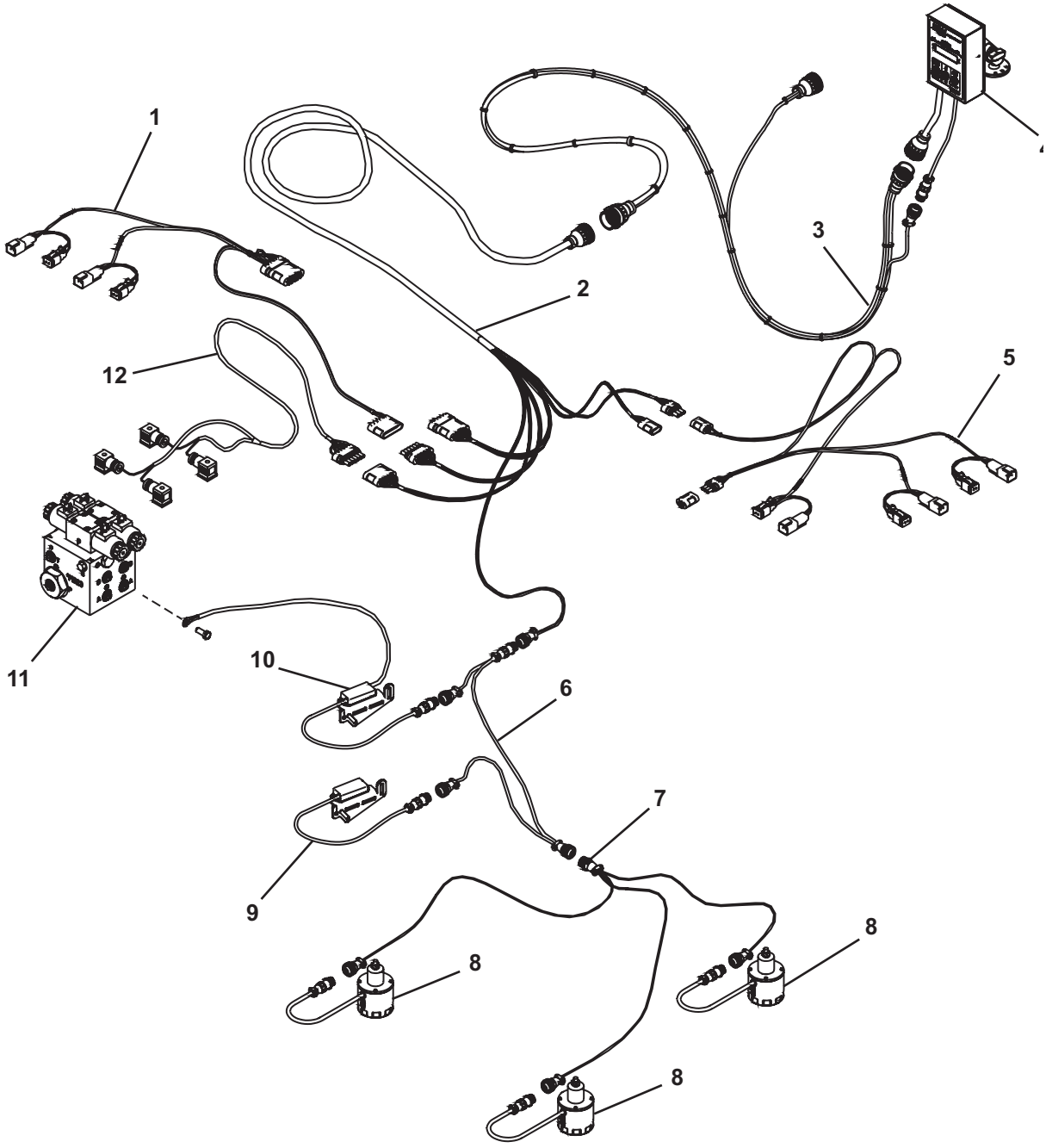
SOLUTIONS

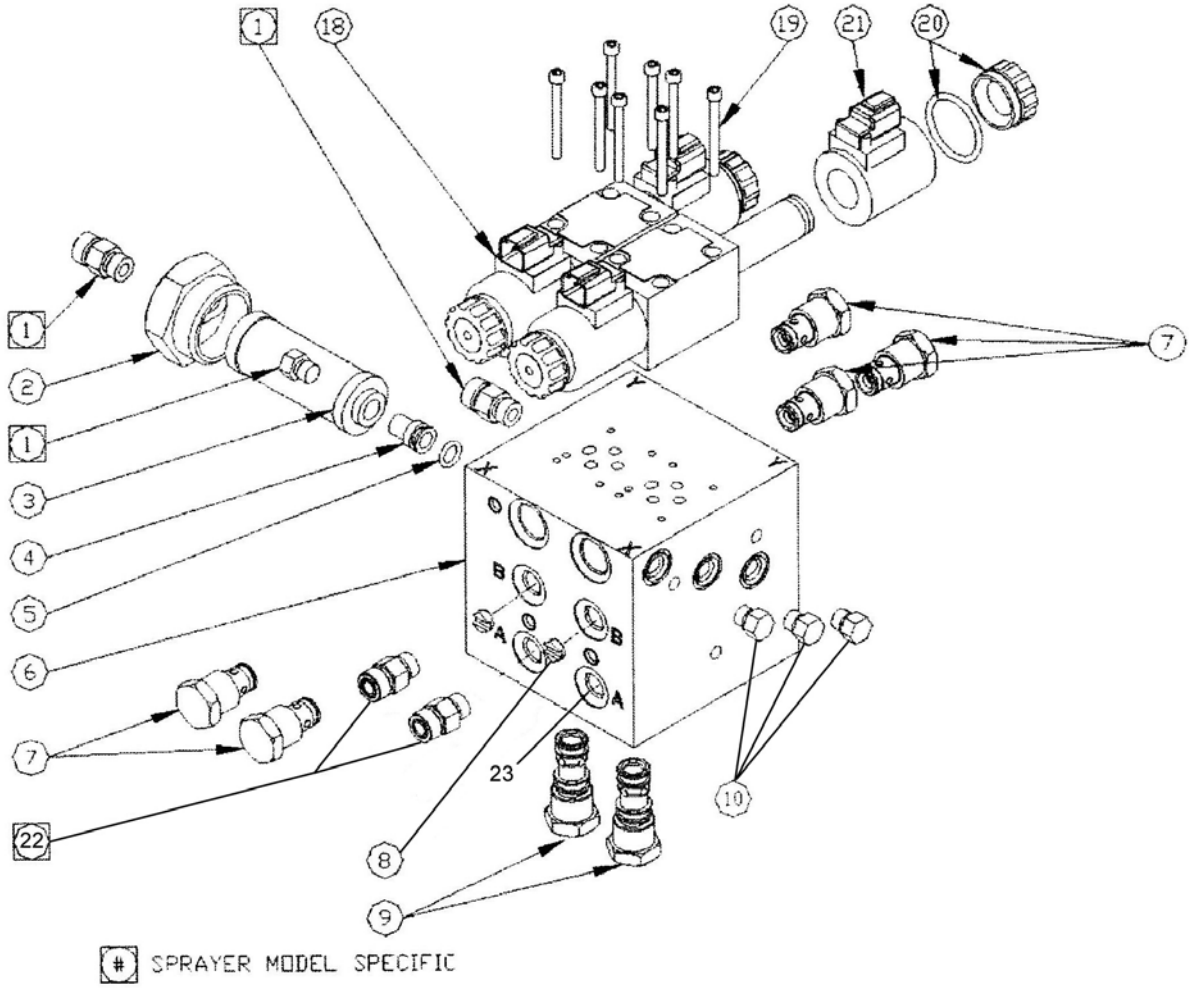
NORAC Auto Height Boom Control UC4+



NORAC Auto Height Boom Control UC4+ Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	44658-19	1	Cable Interface UC4 BC C13 FT1 Main
2	44651-03	1	Cable Extension Valve Generic
3	44650-35	1	Cable Power Generic Pull-Type
4	4461BC+	1	UC4 Plus Boom Control Panel
5	44658-20	1	Cable Interface UC4 BC C12 FT1 Wings
6	44664	1	Cable UC4 Can Node Dual
7	44668	1	Cable UC3 Sensor Branch 1 Amp Recept 3 Amp Plug BC
8	44631	3	UC4 Ultrasound Sensor
9	44642	1	UC4 Plus Roll Sensor
10	44641	1	UC4 Plus Roll Sensor W Temperature Probe
11	44933D	1	Valve Block UC4-BC 2-Station CC/LS Variable Rate Duetsch
12	44656D	1	Cable Valve Variable Rate Duetsch
NS	44656	NS	Cable Valve Variable Rate DIN Terminal

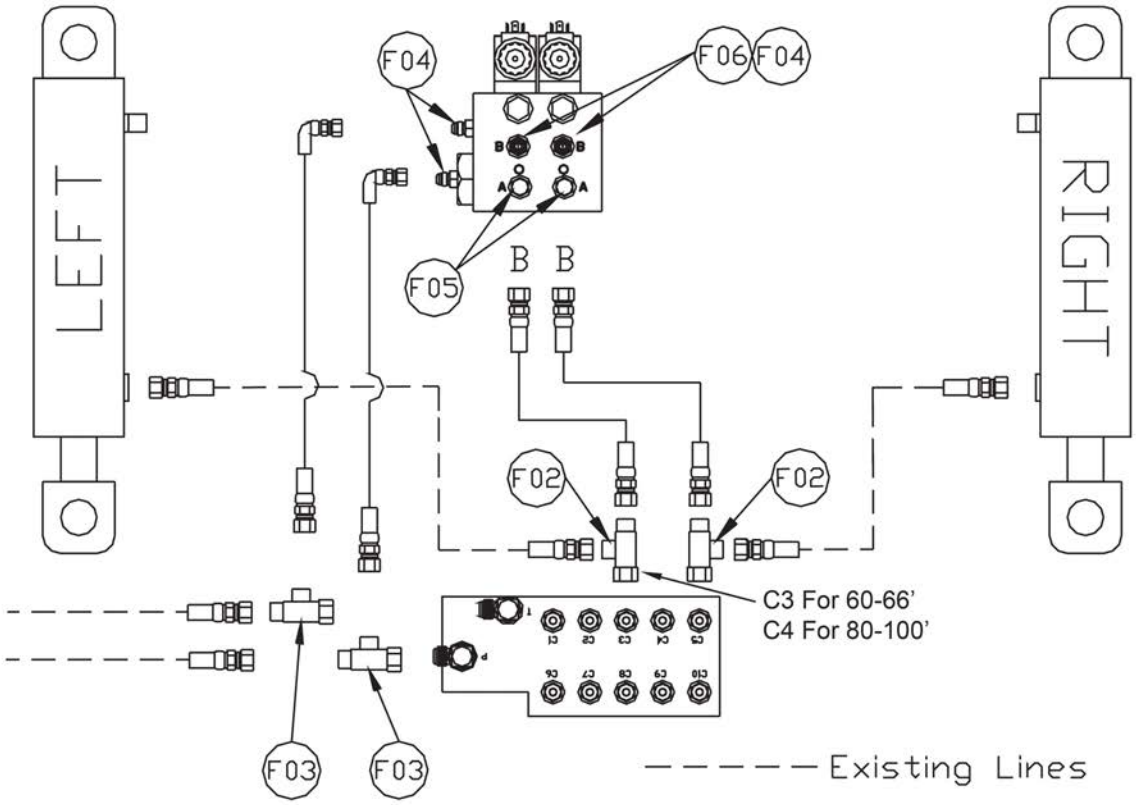
NORAC Hydraulic Valve Block



NORAC Hydraulic Valve Block Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	W400-6-6	2	Hydraulic Coupling - Model Specific
2	44897	1	Filler cap With 60RB Port
3	104827	1	Hydraulic Filter Element, 3000 PSI in-line 10 Micron
4	44896	1	Filter Insert
5	104998	1	O-Ring 5/8 x 0.420 ID x 0.103
6	44923	1	Valve Block2 Station Closed center
7	104943	3	Hydraulic Check valve C-10-2
8	44928	2	Orifice Insert 0.047
9	104944	2	Check Valve Cartridge C-10-3S
10	103381	5	Plug 4MBP
18	105723	1	Hydraulic Valve 12V
19	100739	8	Hex Socket Cap Screw 10-24 x 2"
20	105948	4	Coil Nut & O-Ring For NORAC #10599 & 105723
21	105926D	4	Coil 12V For NORAC #10599 & 105723
21	105927	4	Coil 12V For NORAC DIN
22	103312	2	Male Adapter 6MB-6MJ
23	104369	2	Plug 6MBP

NORAC Auto Height Boom Control Hydraulic Schematic UC4+ & UCS



Item	Part Number	Name	Quantity	Picture
F02	105588	TEE ADAPTER - 4FJXR 4MJT	2	
F03	104632	TEE ADAPTER 8FJXR 8MJT	2	
F04	103312	MALE ADAPTER - 6MB 6MJ	4	
F05	104369	PLUG - 6MBP	2	
F06	44928	ORIFICE INSERT .047 IN ONE WAY	2	

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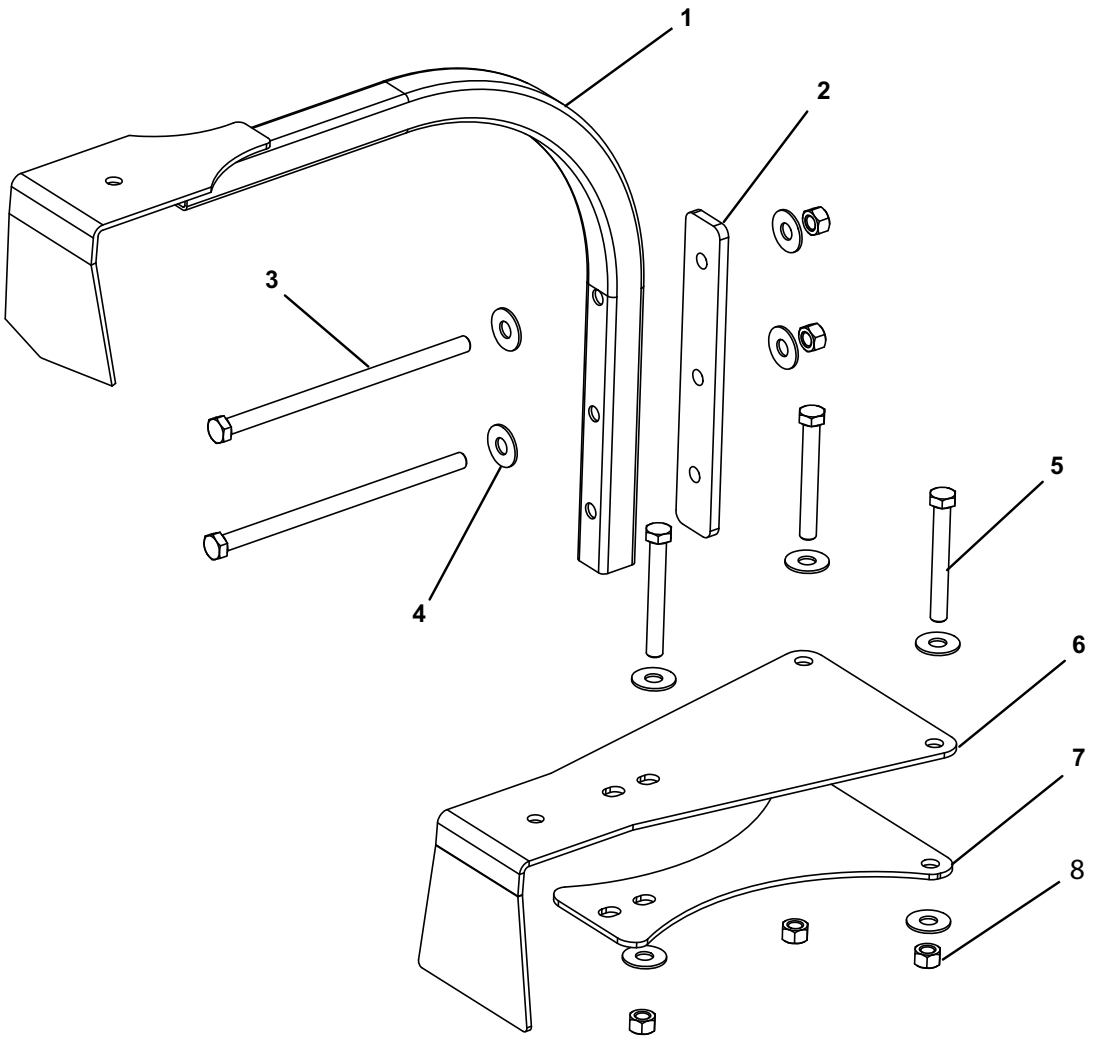
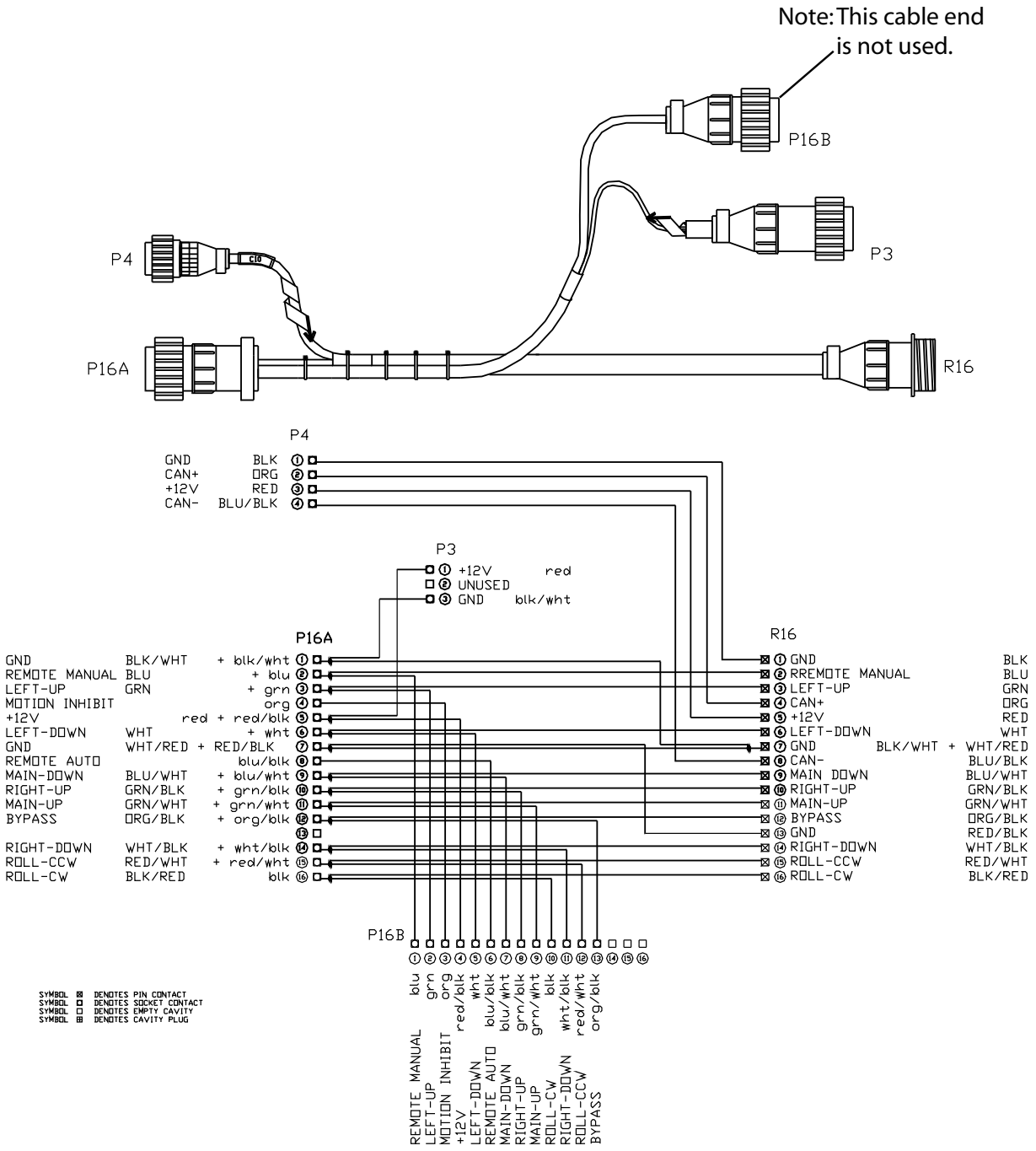
NORAC Auto Height Boom Control Brackets



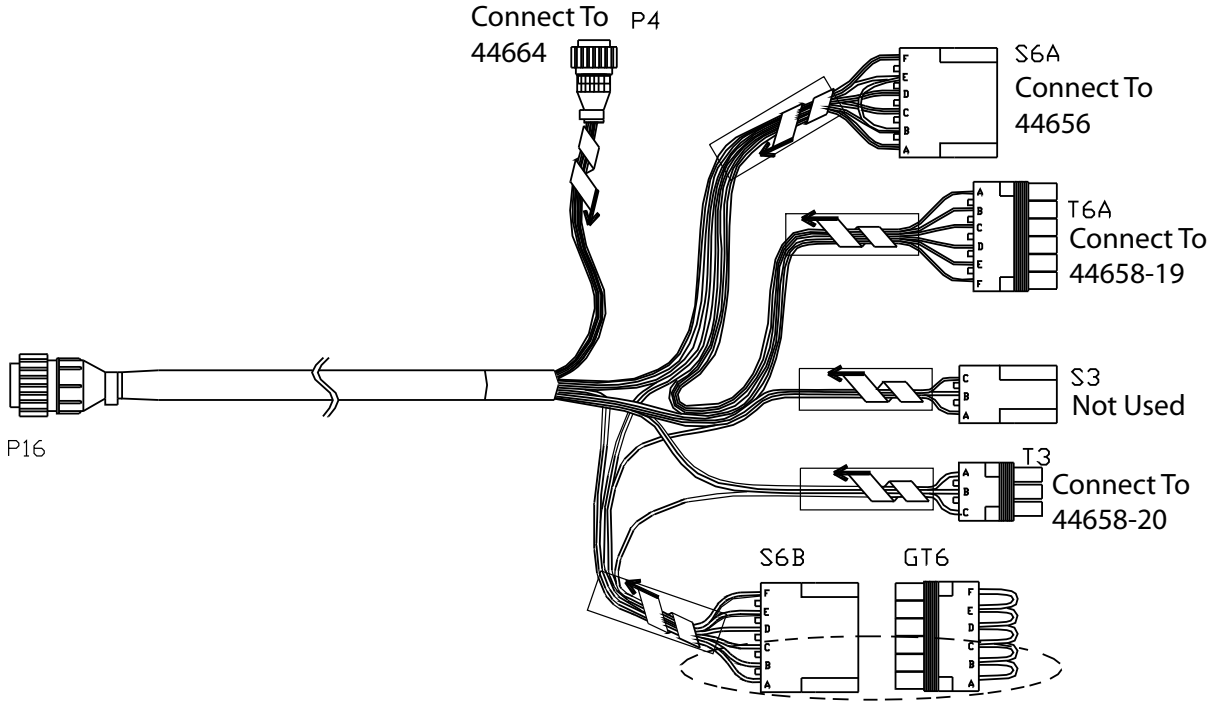
NORAC Auto Height Boom Control Brackets Parts List

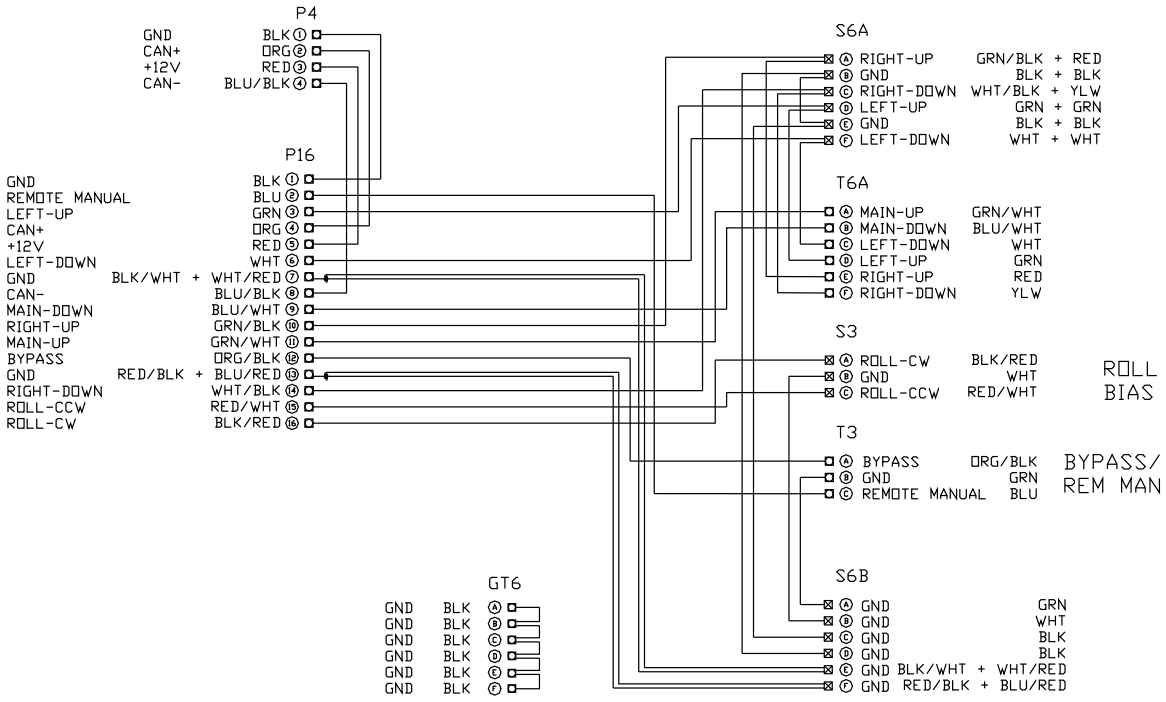
ITEM	PART NO.	QTY.	DESCRIPTION
1	11958	1	Bracket
2	11952	1	Back Strap
3	437	2	Hex Head Bolt 3/8 x 7"
4	258	10	Flat Washer 3/8"
5	132	3	Hex Head Bolt 3/8 x 3"
6	14460	1	Bracket, Sensor
7	14459	1	Plate, Lock
8	237	10	Nut 3/8" Centerlock ZP

NORAC Auto Height Boom Control Harness



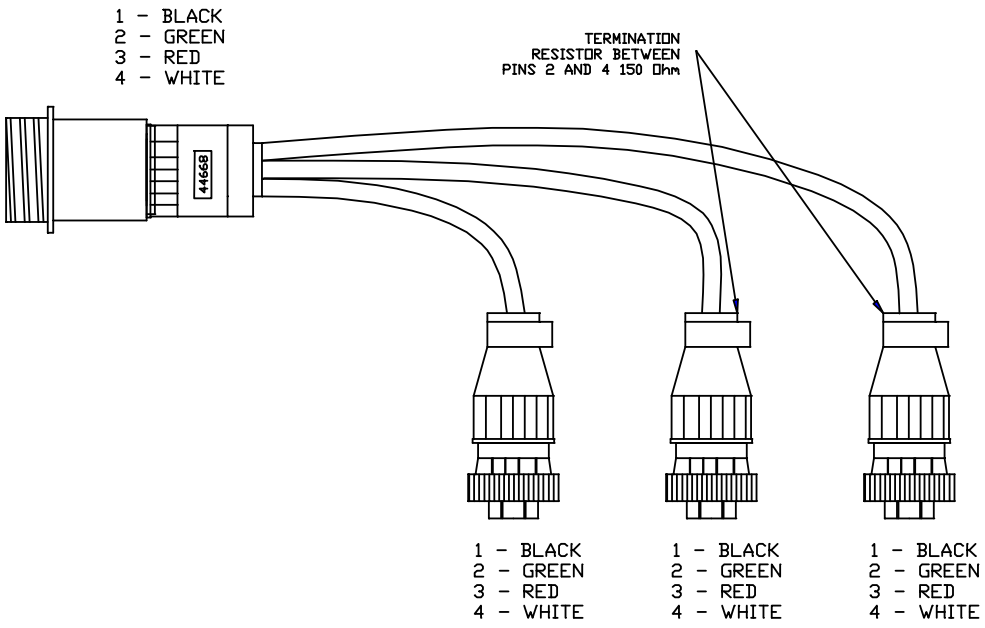
NORAC Auto Height Boom Control Extension Harness



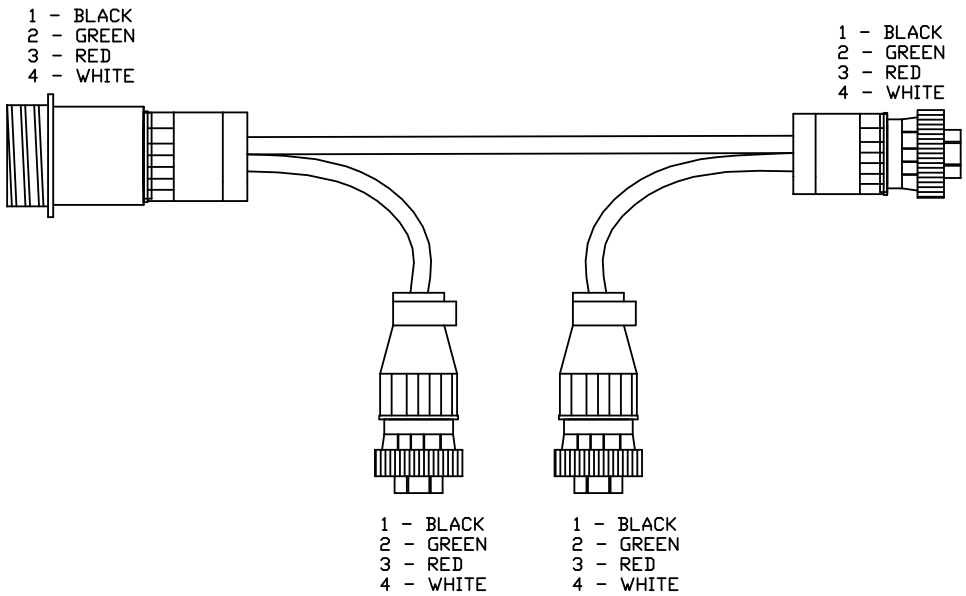


NORAC Auto Height Boom Control Sensor Cables

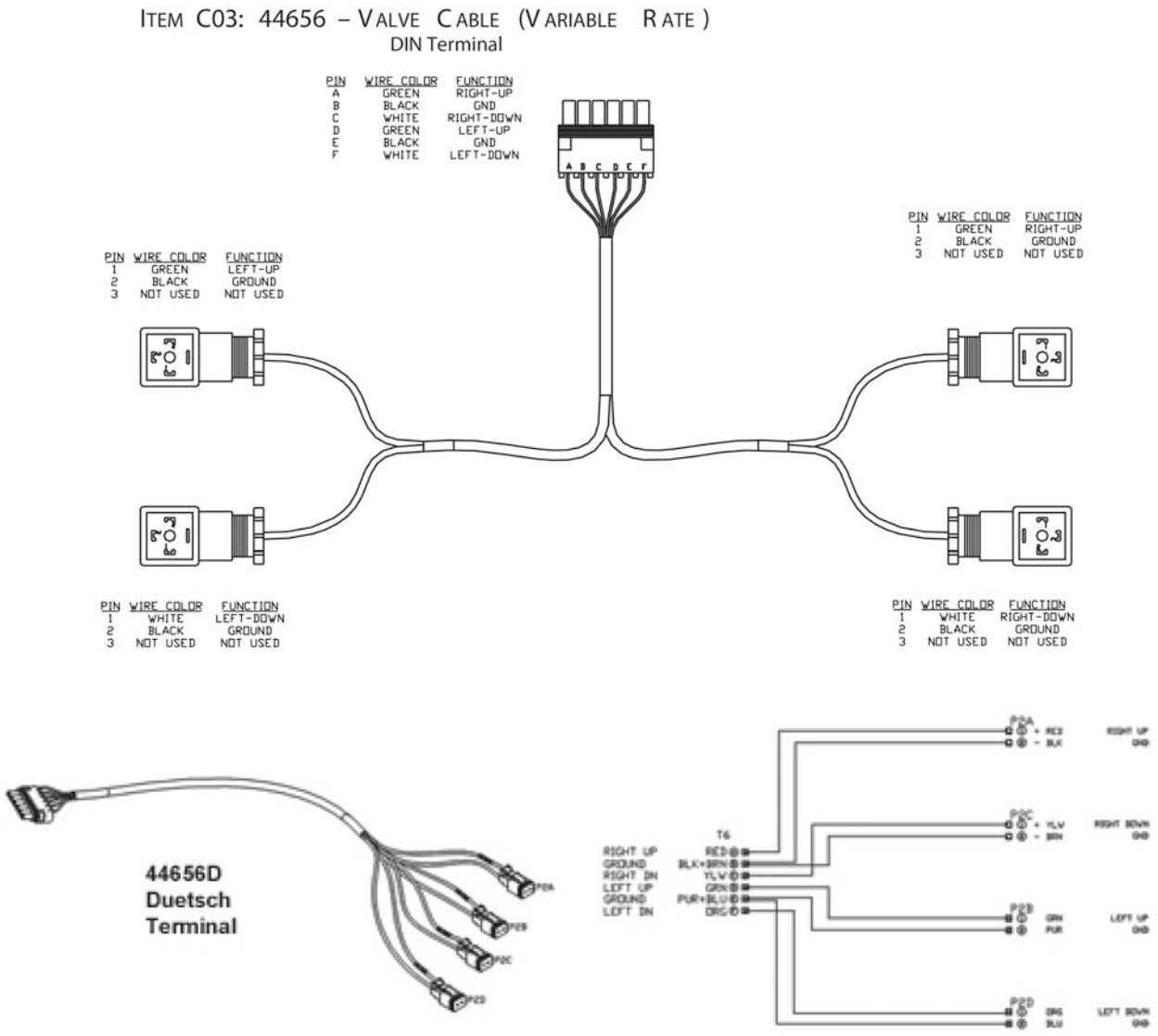
ITEM C02: 44668 – SENSOR BRANCH CABLE



ITEM C02B: 44664 – CABLE UC4 CAN NODE DUAL

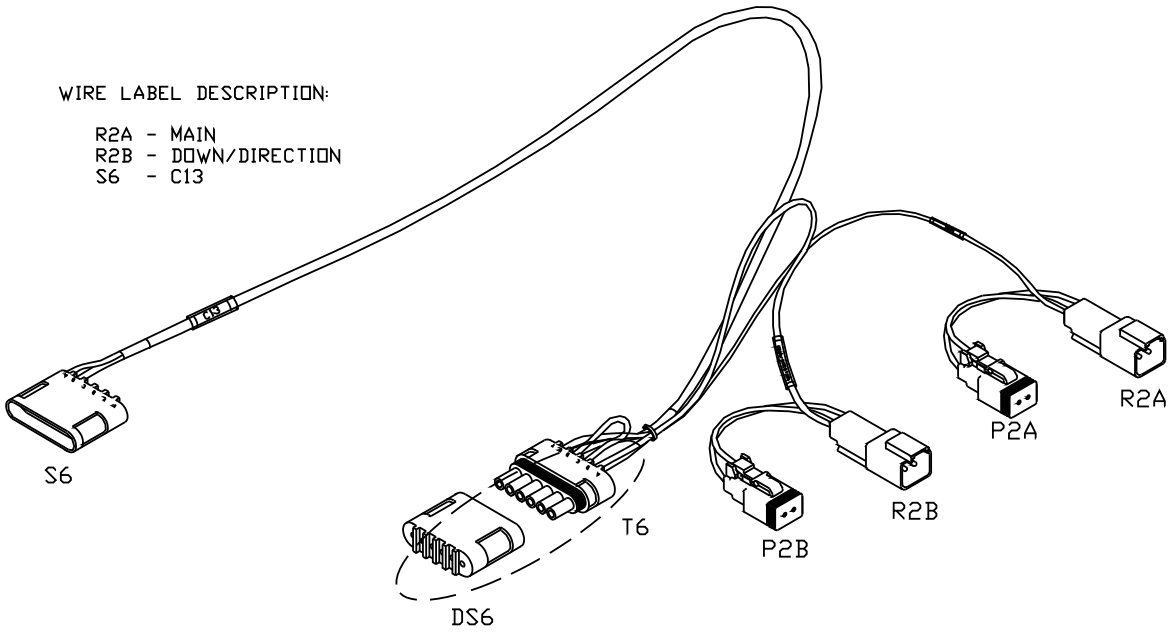


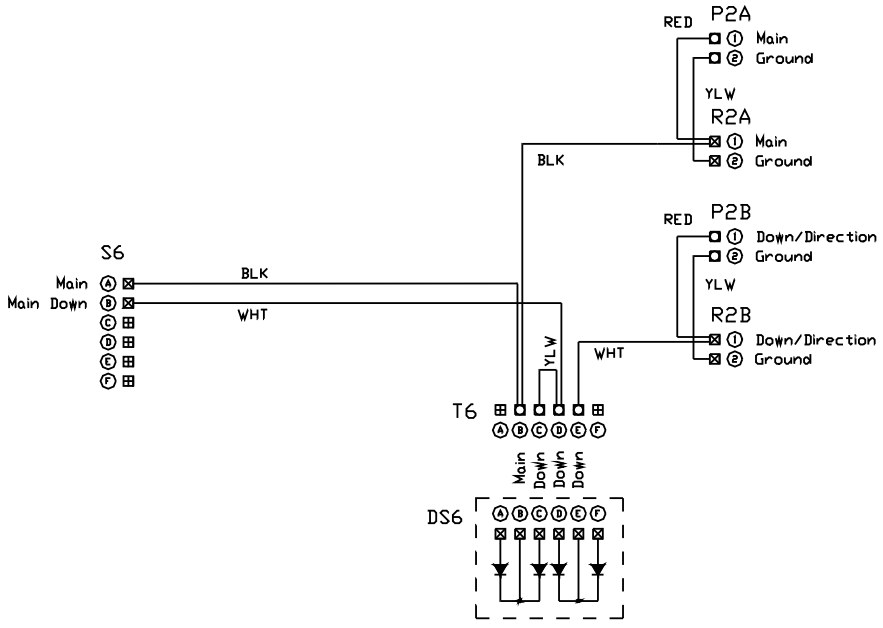
NORAC Auto Height Boom Control Valve Cable



NORAC Auto Height Boom Control Main Interface Cable

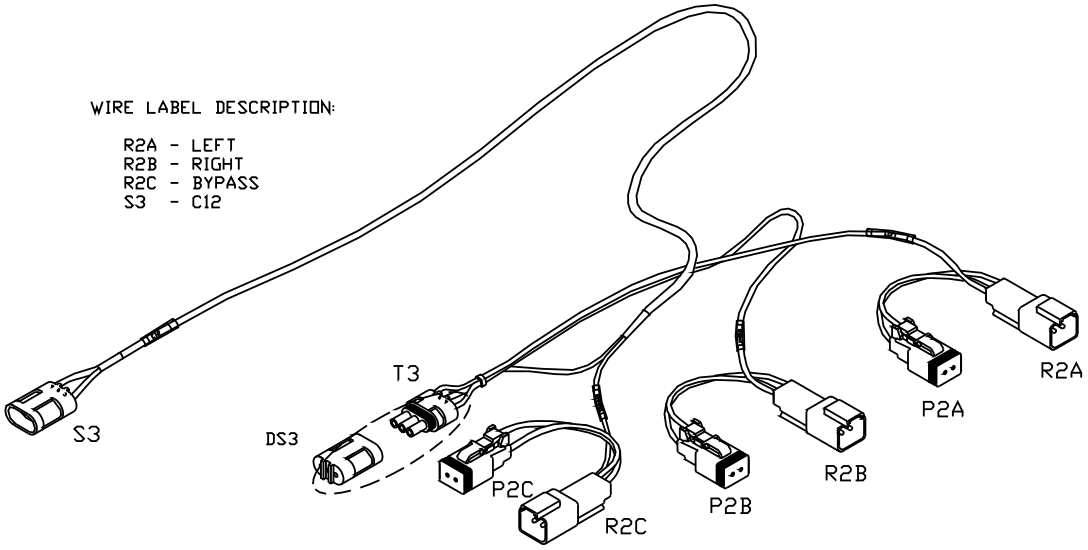
ITEM C13: 44658-19 – MAIN INTERFACE CABLE

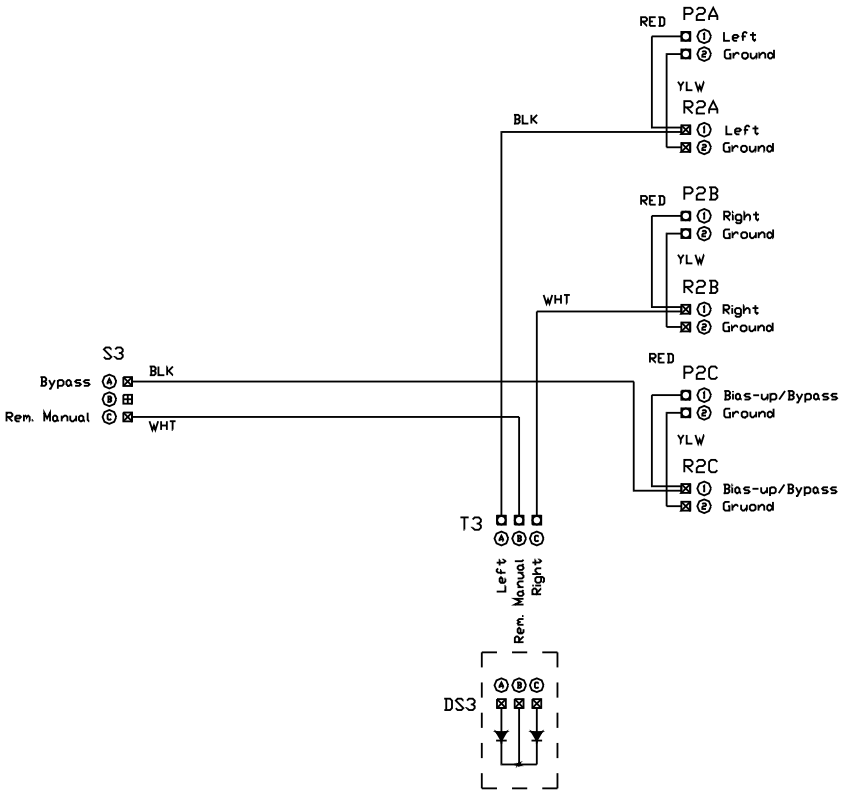




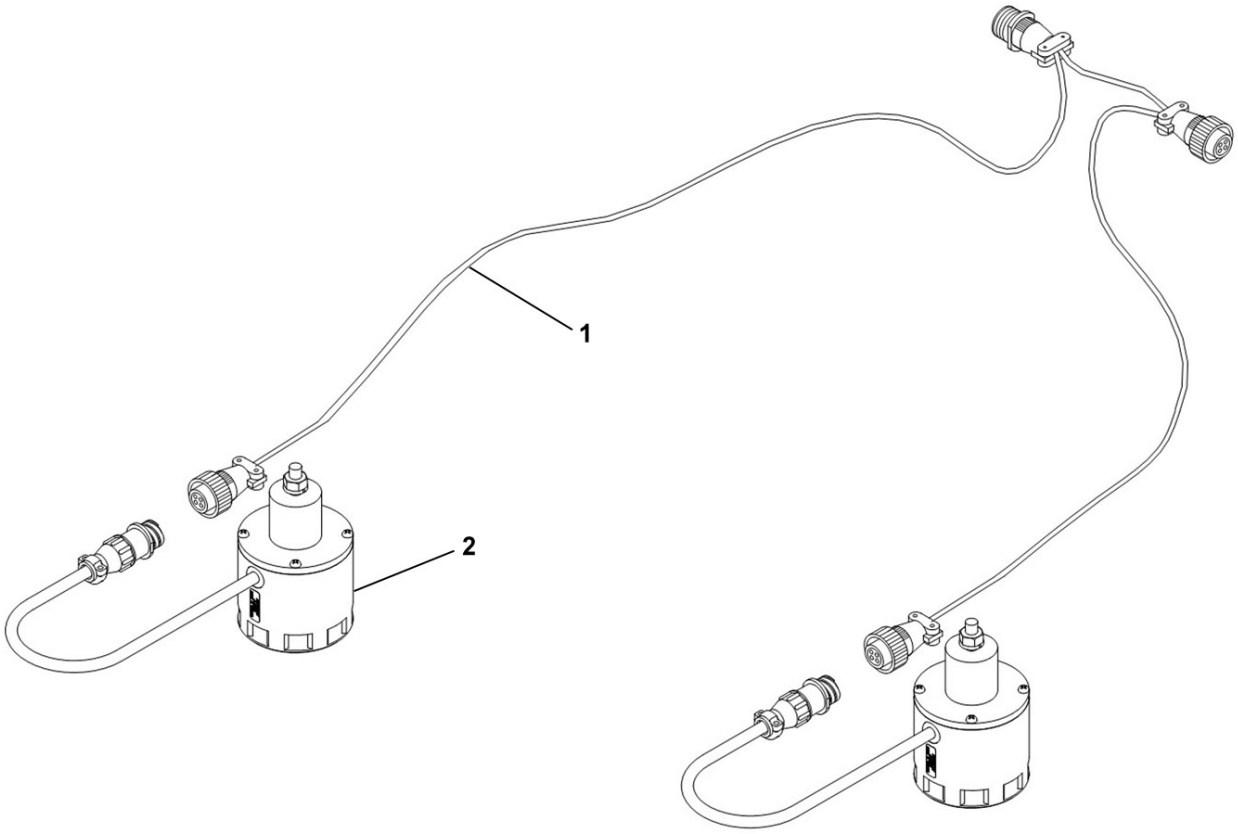
NORAC Auto Height Boom Control Wing Interface Cable

ITEM C12: 44658-20 – WING INTERFACE CABLE





Severe Terrain Cable UC4+



Severe Terrain Cable UC4+ Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	44669	1	Cable Severe Terrain
2	44631	2	Sensor UC4

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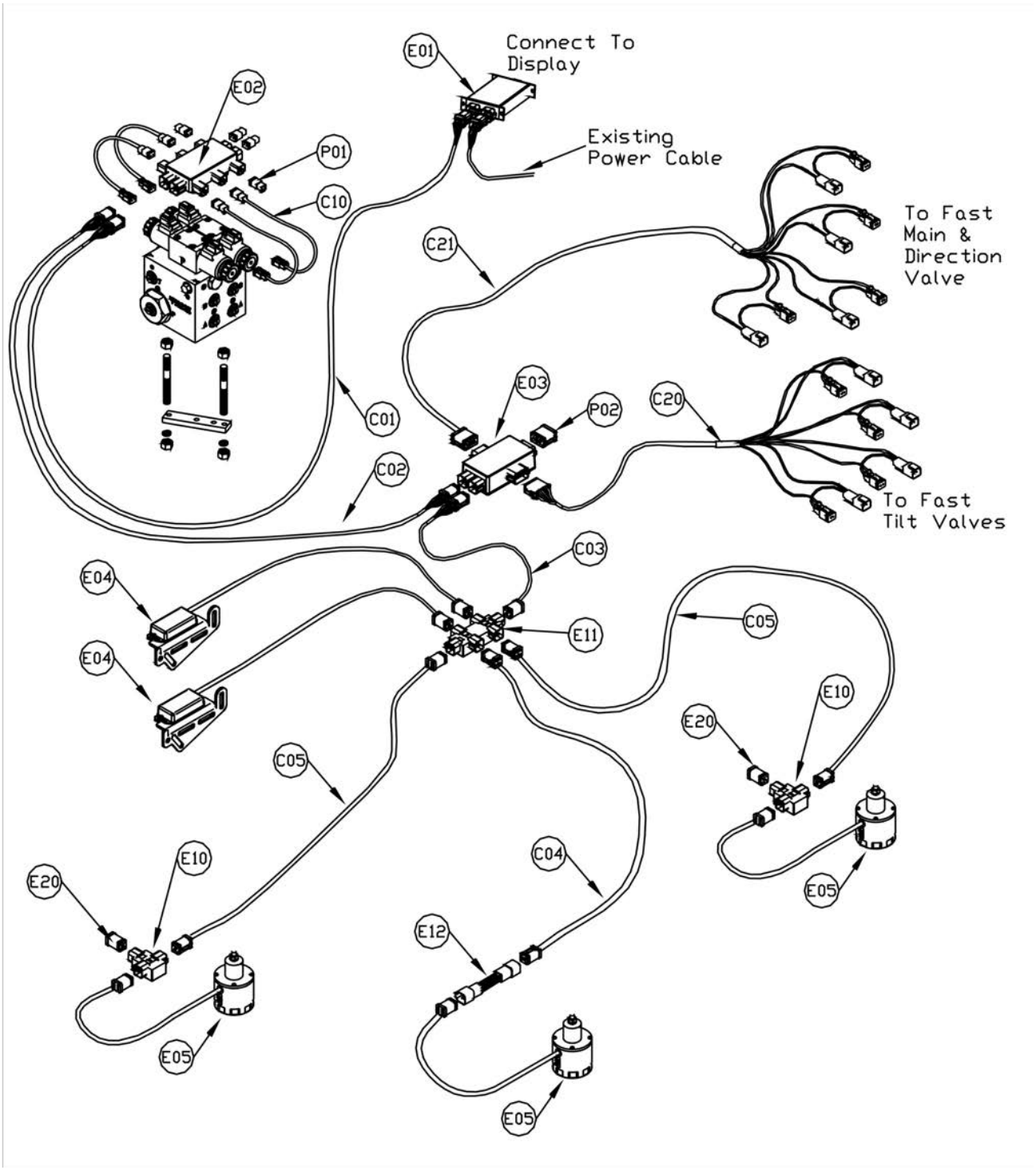
NORAC Kit Layout

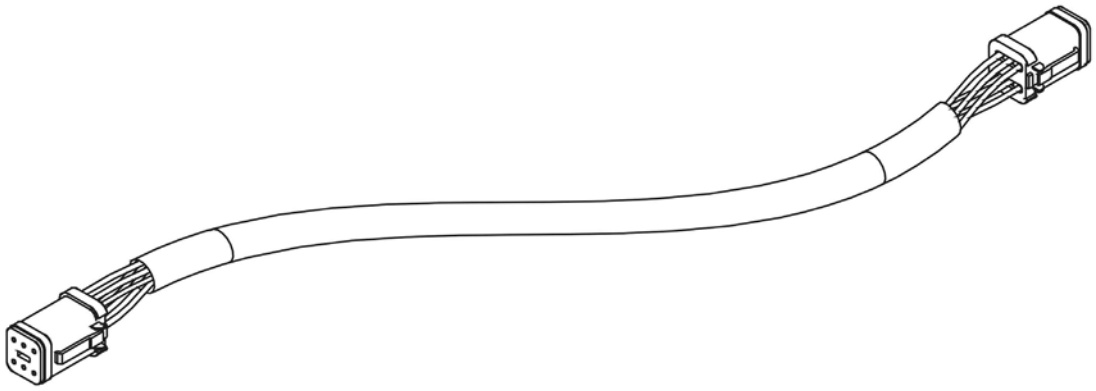


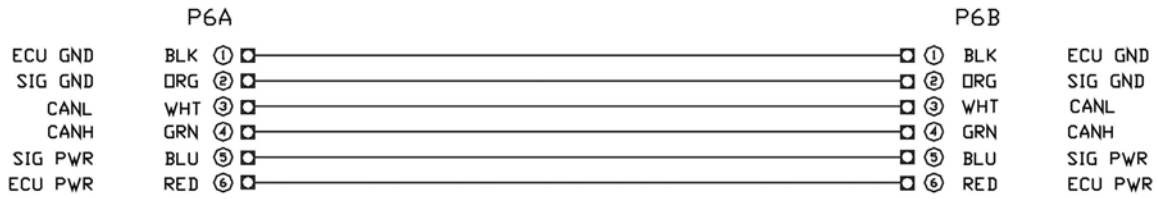
NORAC Kit Layout Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
PO1	106034	1	CONNECTOR DEUTSCH DT06 2 CAVITY PLUG w/PLUGGED REAR SEAL
PO2	106035	1	CONNECTOR DEUTSCH DT06 12 CAVITY PLUG (A?KEY)w/PLUGGED REAR SEAL
C01	43220?01	1	CABLE,UC5 NETWORK 14 AWG 1M (3')
C01	43220?03	1	CABLE,UC5 NETWORK 14 AWG 3M (10')
C01	43220?05	1	CABLE,UC5 NETWORK 14 AWG 5M (16')
C01	43220?10	1	CABLE,UC5 NETWORK 14 AWG 10M (33')
C01	43220?15	1	CABLE,UC5 NETWORK 14 AWG 15M (50')
C01	43220?20	1	CABLE,UC5 NETWORK 14 AWG 20M (65')
C02	43210?01	1	CABLE,UC5 NETWORK 18 AWG 1M (3')
C02	43210?01	1	CABLE,UC5 NETWORK 18 AWG 3M (10')
C02	43210?01	1	CABLE,UC5 NETWORK 18 AWG 5M (16')
C02	43210?01	1	CABLE,UC5 NETWORK 18 AWG 10M (33')
C02	43210?01	1	CABLE,UC5 NETWORK 18 AWG 15M (50')
C02	43210?01	1	CABLE,UC5 NETWORK 18 AWG 20M (65')
C10	43230?01	1	CABLE,UC5 VALVE 2PIN DEUTSCH TO BLACK DIN
C10	43230?04	1	CABLE,UC5 VALVE 2PIN DEUTSCH TO 2PIN DEUTSCH
C20	43240?17	1	CABLE,UC5 INTERFACE TILT PIGTAIL VERSION
C21	43240?18	1	CABLE,UC5 INTERFACE MAIN PIGTAIL VERSION
C30	43250?04	1	CABLE,UC5 BATTERY PIGTAIL VERSION
E01	43710	1	UC5 CONTROLLER MODULE
E02	43720	1	UC5 VALVE MODULE
E03	42732	1	UC5 INPUT MODULE PASS THRU
E04	43740	1	UC5 ROLL SENSOR
E05	43750	1	UC5 ULTRASONIC SENSOR
E10	43760	1	UC5 NETWORK COUPLER 3?WAY
E11	43762	1	UC5 NETWORK COUPLER 6?WAY
E12	43764	1	UC5 NETWORK COUPLER 2?WAY
E20	43780	1	UC5 NETWORK TERMINATOR PLUG
AL4100562	631909	1	AGLEADER UNLOCK CODE 4100562
54VTGS22600	631910	1	JOHN DEERE 2600 UNLOCK CODE 54VTGS22600
ECHO?DT1		1	NORAC ECHO UC5 CONSOLE

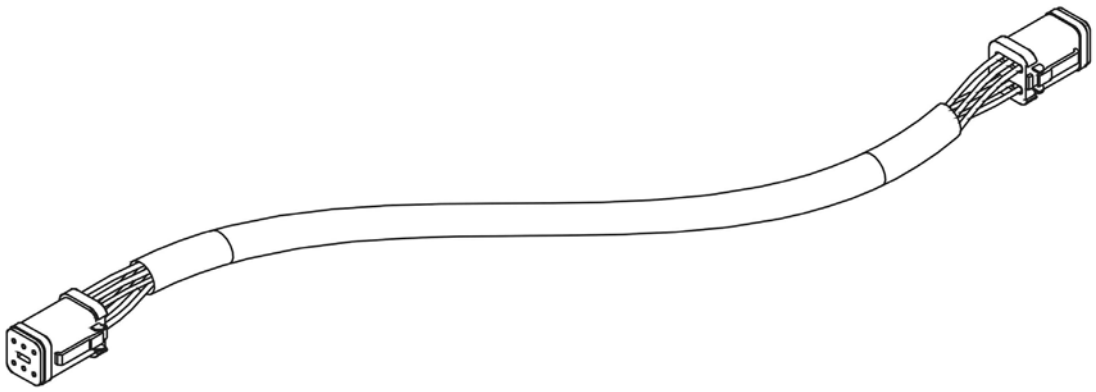
UC5 Network Cables

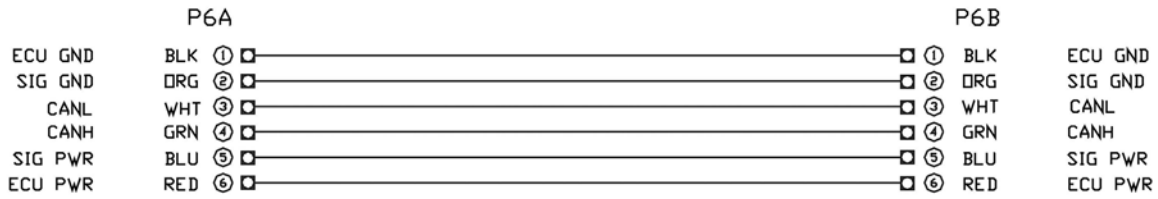
ITEM C01: 43220-10A - CABLE UC5 NETWORK 14 AWG - 10M





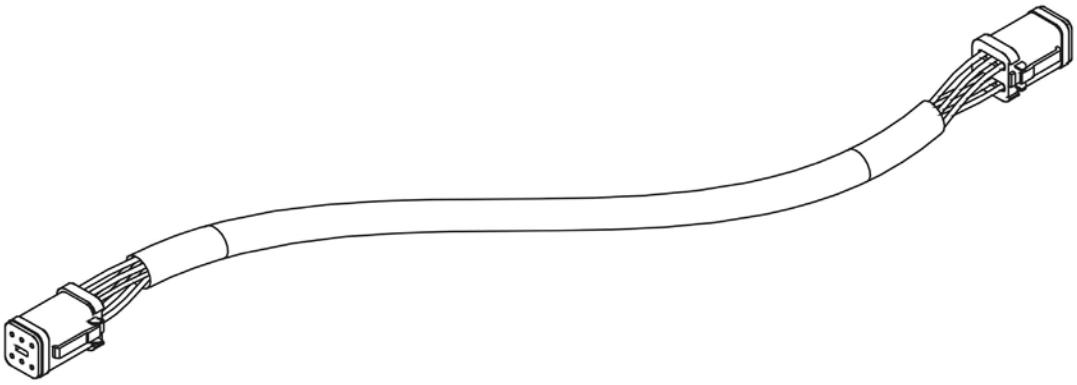
ITEM C02: 43220-01A - CABLE UC5 NETWORK 14 AWG - 1M

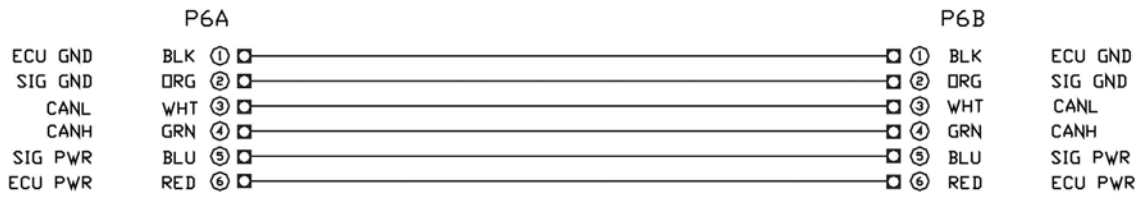




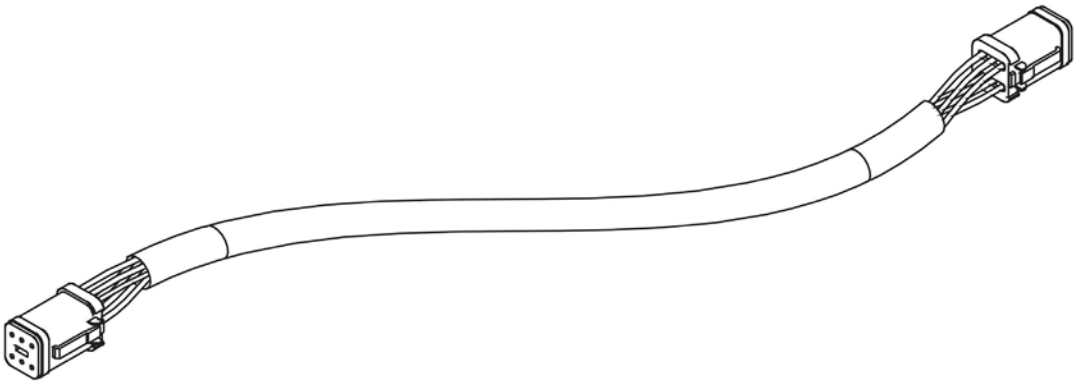
UC5 Network Cables

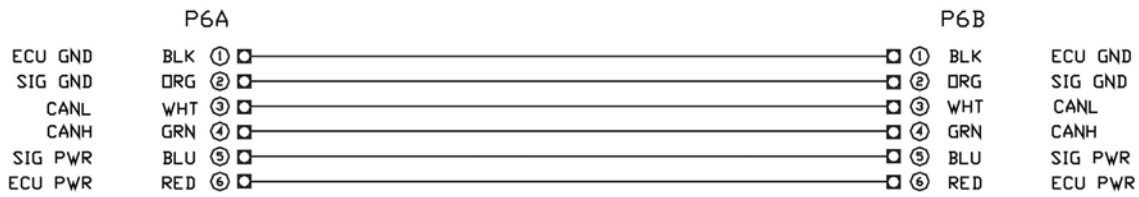
ITEM C03: 43210-03A - CABLE UC5 NETWORK 18 AWG - 3M





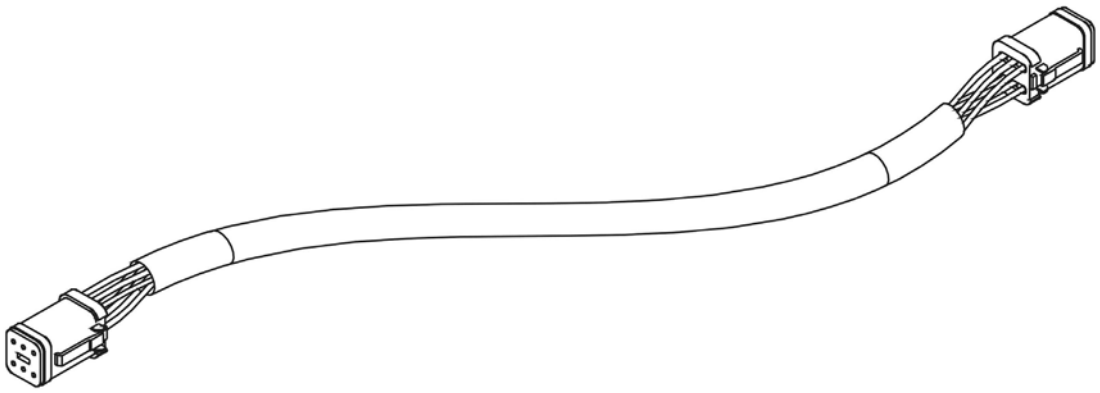
ITEM C04: 43210-01A - CABLE UC5 NETWORK 18 AWG - 1M

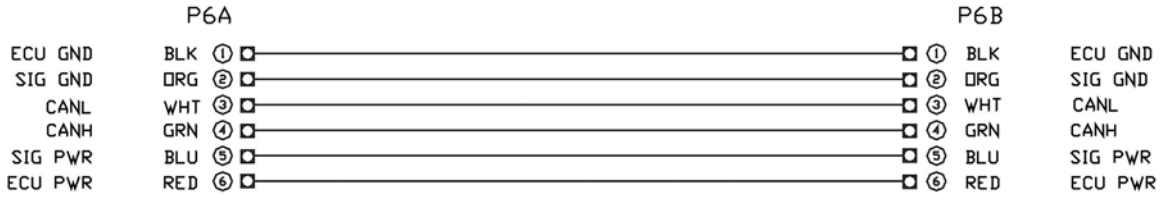




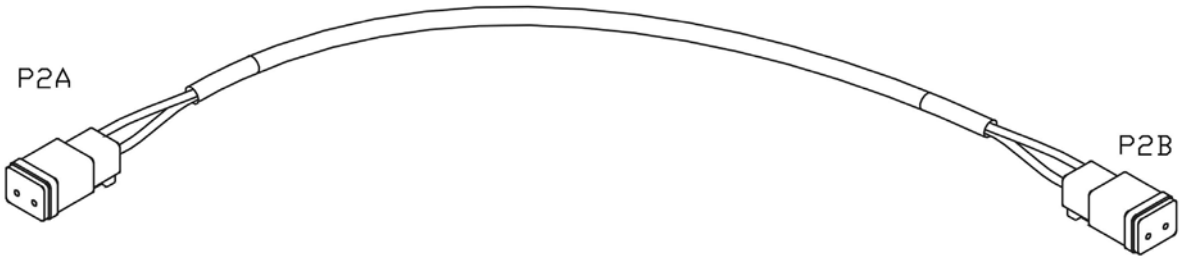
UC5 Network Cables

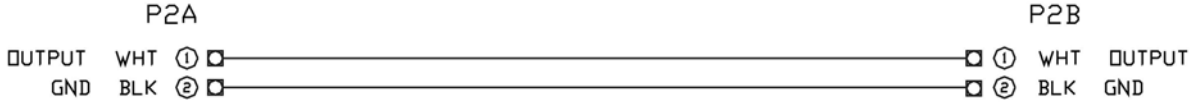
ITEM C05: 43210-20A - CABLE UC5 NETWORK 18 AWG - 20M





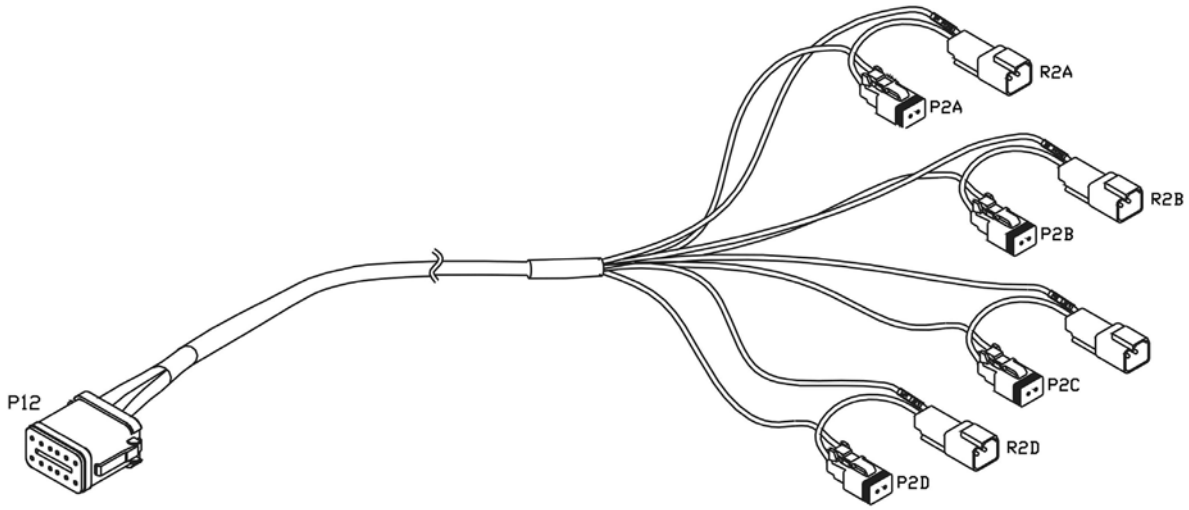
ITEM C10: 43230-04A - CABLE UC5 VALVE DT TO DT

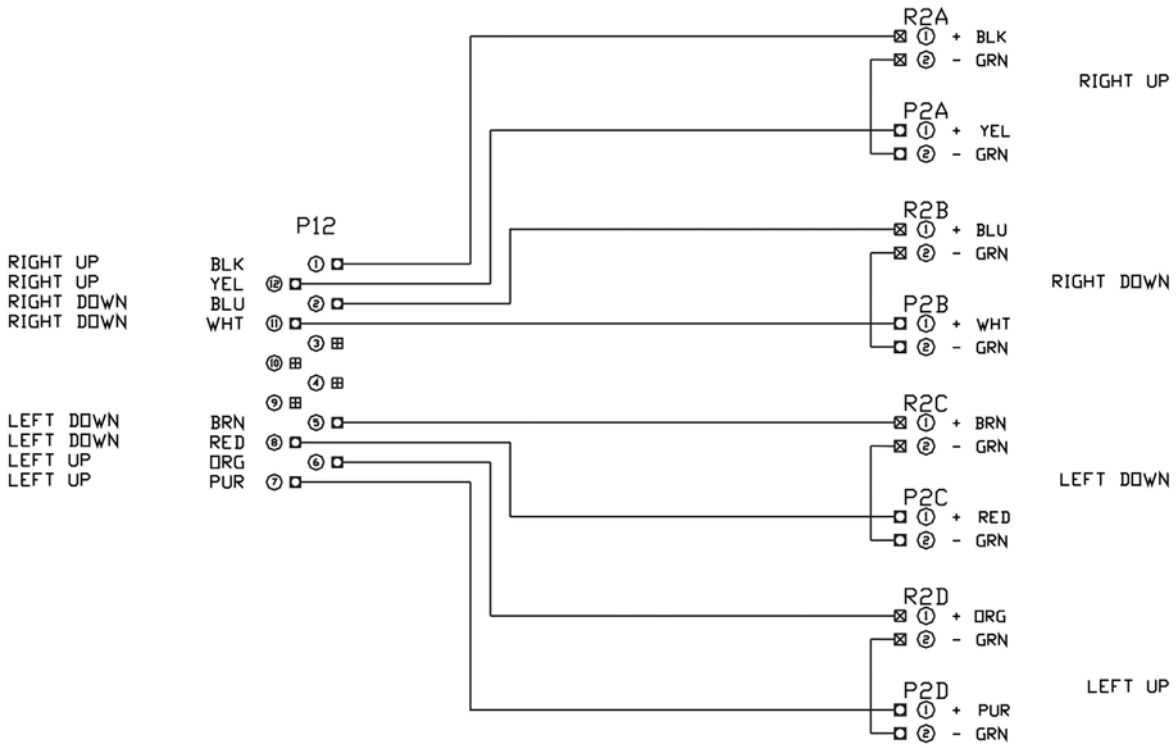




UC5 Network Cables

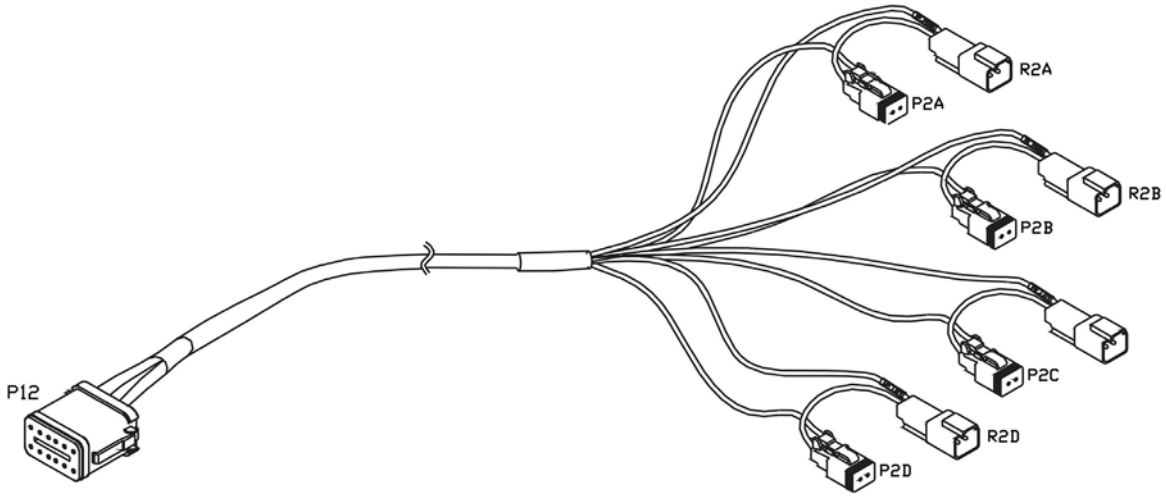
ITEM C20: 43240-01B - CABLE UC5 INTERFACE TILT DT

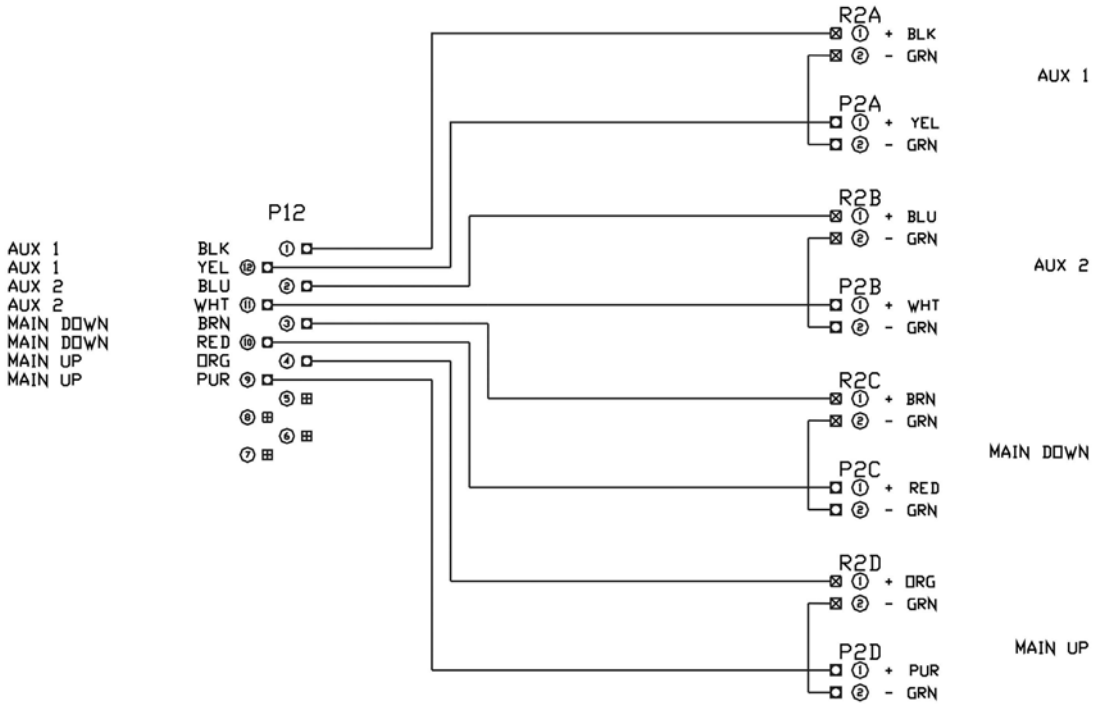




UC5 Network Cables

ITEM C21: 43240-07B - CABLE UC5 INTERFACE MAIN DT (WITH AUX 1 & 2)

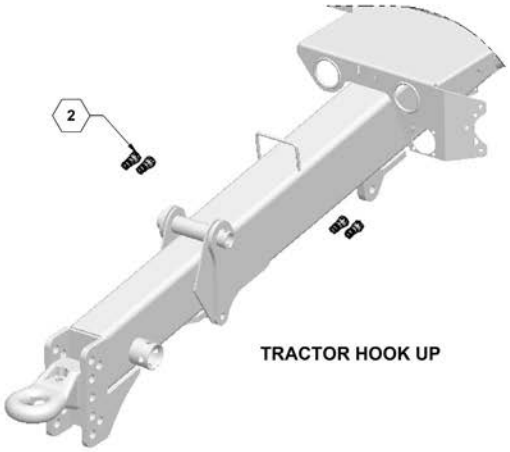




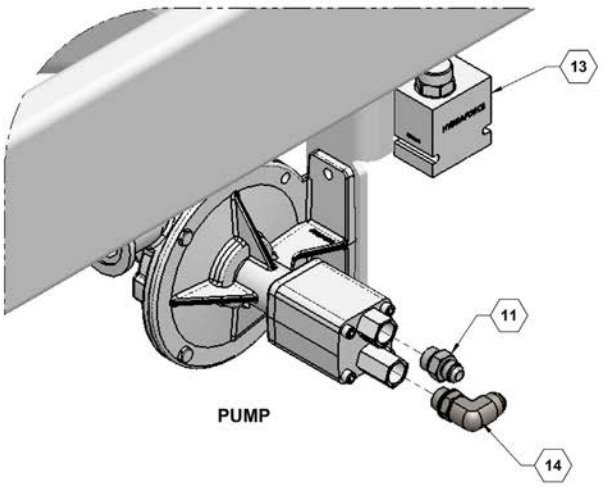
FAST GLOBAL
SOLUTIONS

9500TF-80 Hydraulic Fitting Locations

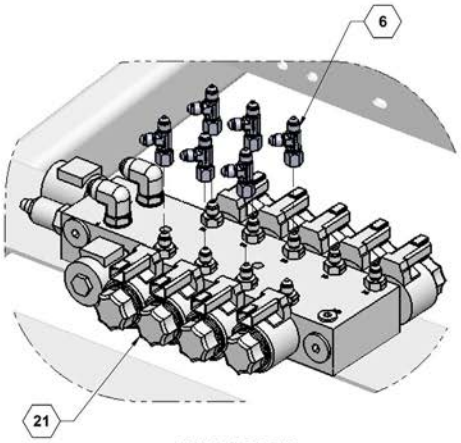
9613TF-80 FITTING I.D. & LOCATION



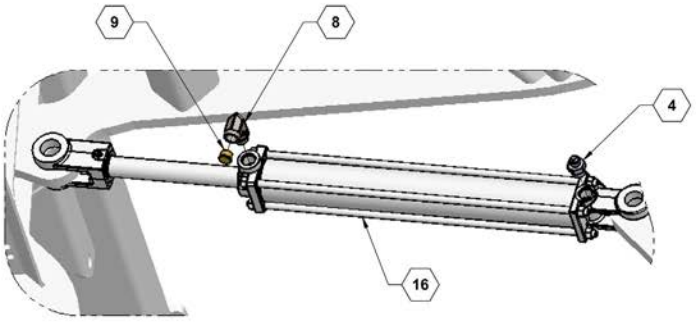
TRACTOR HOOK UP



PUMP



FOLD BLOCK



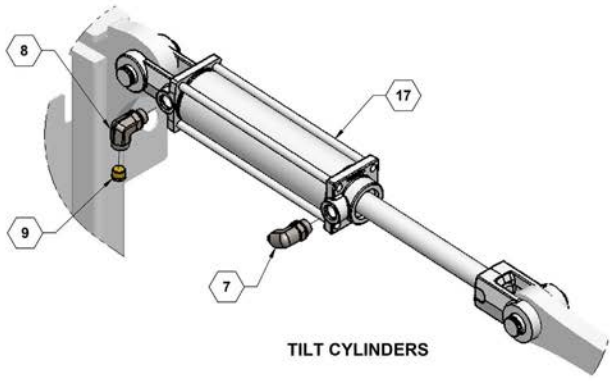
MAIN LIFT CYLINDERS

9500TF-80 Hydraulic Fitting Locations Parts List

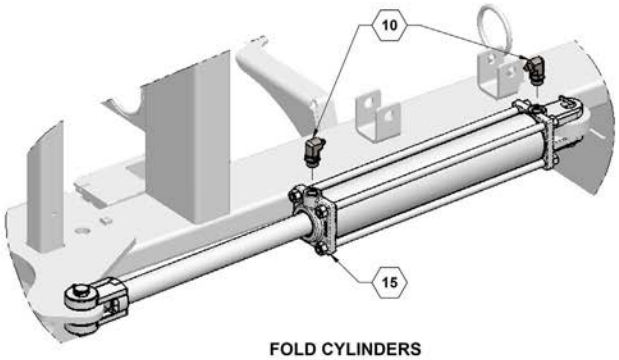
ITEM	PART NO.	QTY.	DESCRIPTION
2	520048	4	PIONEER COUPLER #8 FORB
4	610011	3	JIC #6 TO ORING #8
6	610028	6	#4 SWIVEL RUN TEE
8	610035	4	ORING #8 TO 3/8" PIPE 90 DEG
9	610036	4	PLUG 3/8-18 BREATHER VENT
11	610060	1	JIC #8 TO ORING #10
13	610099	1	VALVE, FLOW CONTROL, P.C.
14	610102	1	JIC #10 TO O-RING #10 ELBOW 90°
16	620019	2	CYLINDER, 20TD16-112 MAIN LIFT
21	630011	1	HYDRAULIC BLOCK 6-STA. 9610E-9612E

9500TF-80 Hydraulic Fitting Locations

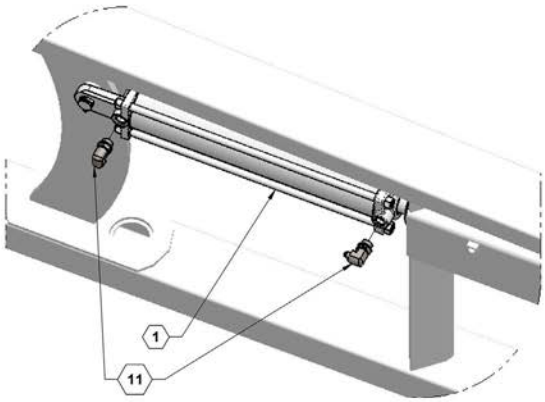
9613TF-80 FITTING I.D. & LOCATION CONTINUED



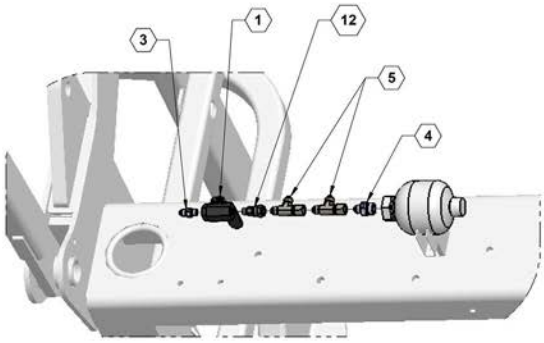
TILT CYLINDERS



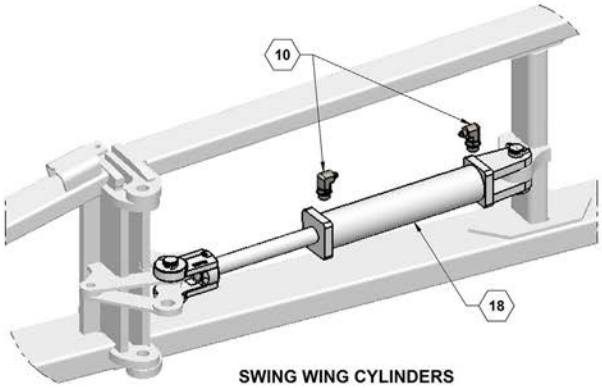
FOLD CYLINDERS



FLIP WING CYLINDERS



ACCUMULATOR



SWING WING CYLINDERS

9500TF-80 Hydraulic Fitting Locations Parts List

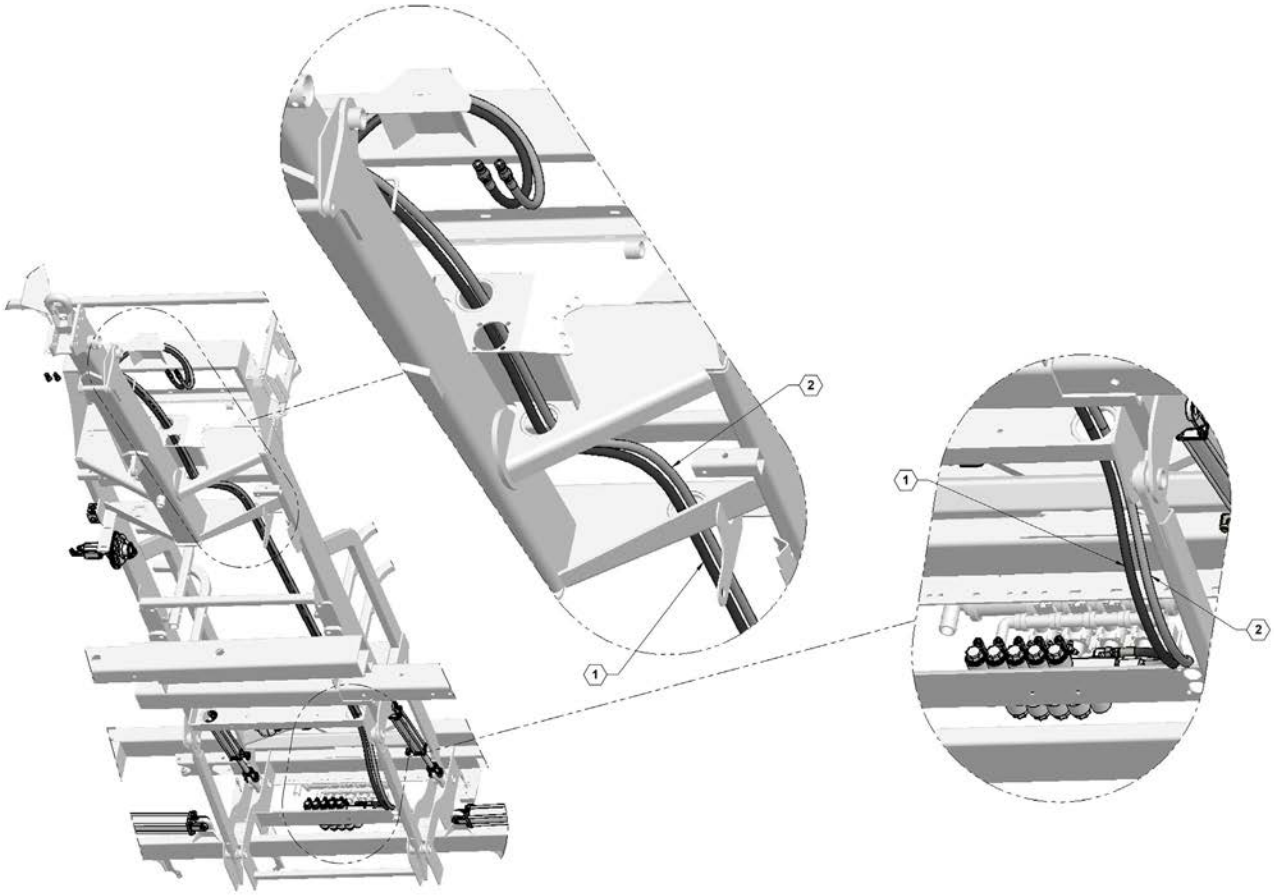
ITEM	PART NO.	QTY.	DESCRIPTION
1	500000	1	VALVE, BALL SAE#4 FEMALE PORT
3	610007	1	JIC #4 TO ORING #4
4	610011	3	JIC #6 TO ORING #8
5	610027	2	JIC #6 RUN TEE
7	610030	2	JIC #6 TO ORING #8 90 DEG
8	610035	4	ORING #8 TO 3/8" PIPE 90 DEG
9	610036	4	PLUG 3/8-18 BREATHER VENT
10	610039	8	JIC RESTRICTED .032 #4 X O-R #8 90 DEG **(9600N)**
10	610040	12	JIC RESTRICTED .045 #4 X O-R #8 90 DEG **(9600)**
11	610040	12	JIC RESTRICTED .045 #4 X O-R #8 90 DEG **(9600 & 9600N)**
12	610079	1	CONNECTOR #4ORB X #6JIC
15	620006	2	CYLINDER, 30TD16-150 FOLD
17	620023	2	CYLINDER, 25TD08-112 WING TILT
18	620034	2	CYLINDER, 2X10 SWING WING

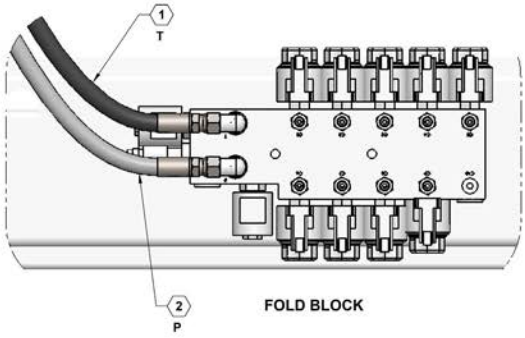
Fold Block Hydraulic Hose Routing

FOLD BLOCK PRESSURE = BLACK HOSE

FOLD BLOCK RETURN = GRAY HOSE

FOLD BLOCK HYDRAULIC HOSE ROUTING

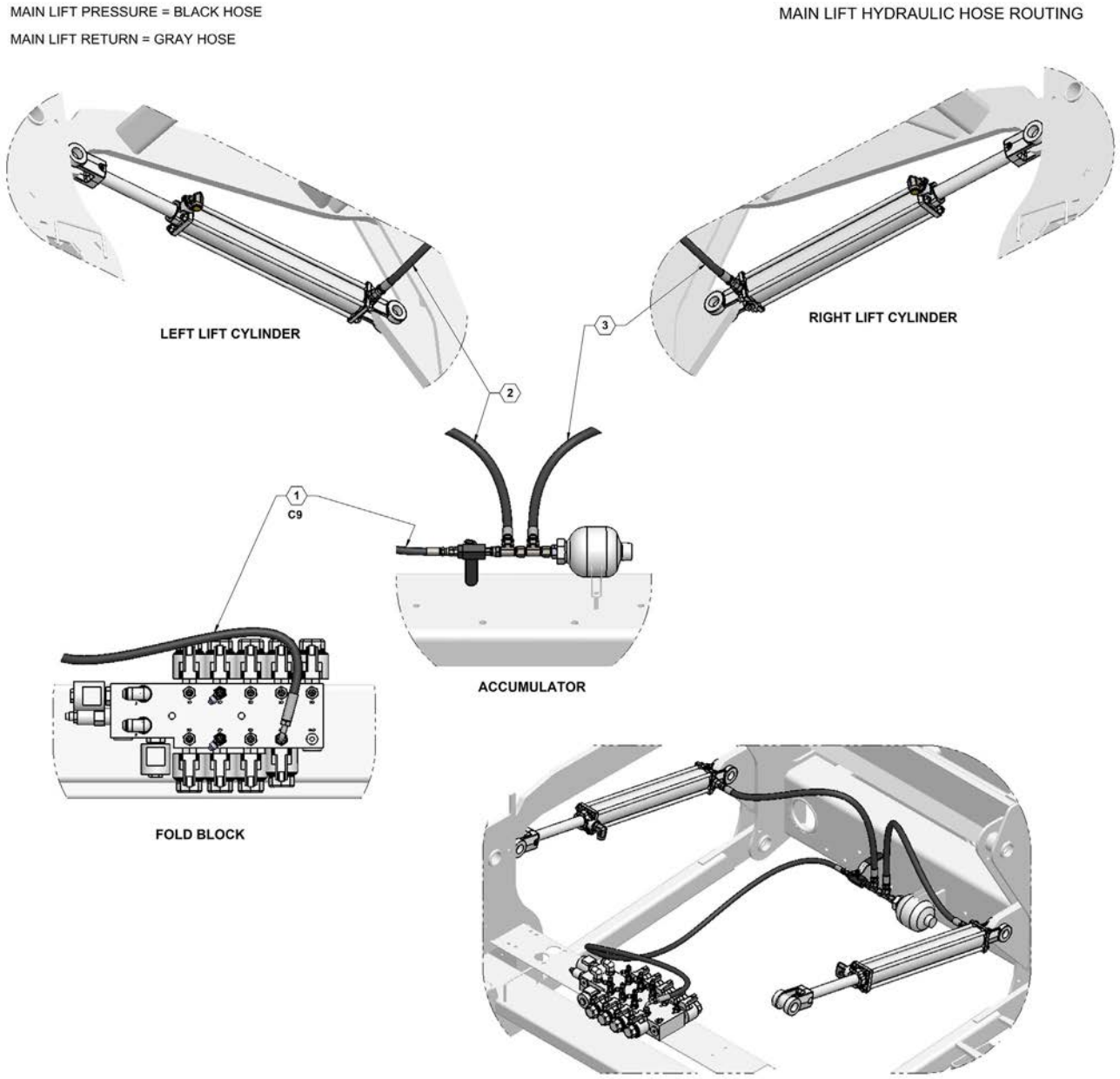




Fold Block Hydraulic Hose Routing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	600040-1-ZN	1	HYDRAULIC HOSE, 08-8MOR-8FJX-302
2	600040-3-ZN	1	HYDRAULIC HOSE, 08-8MOR-8FJX-304

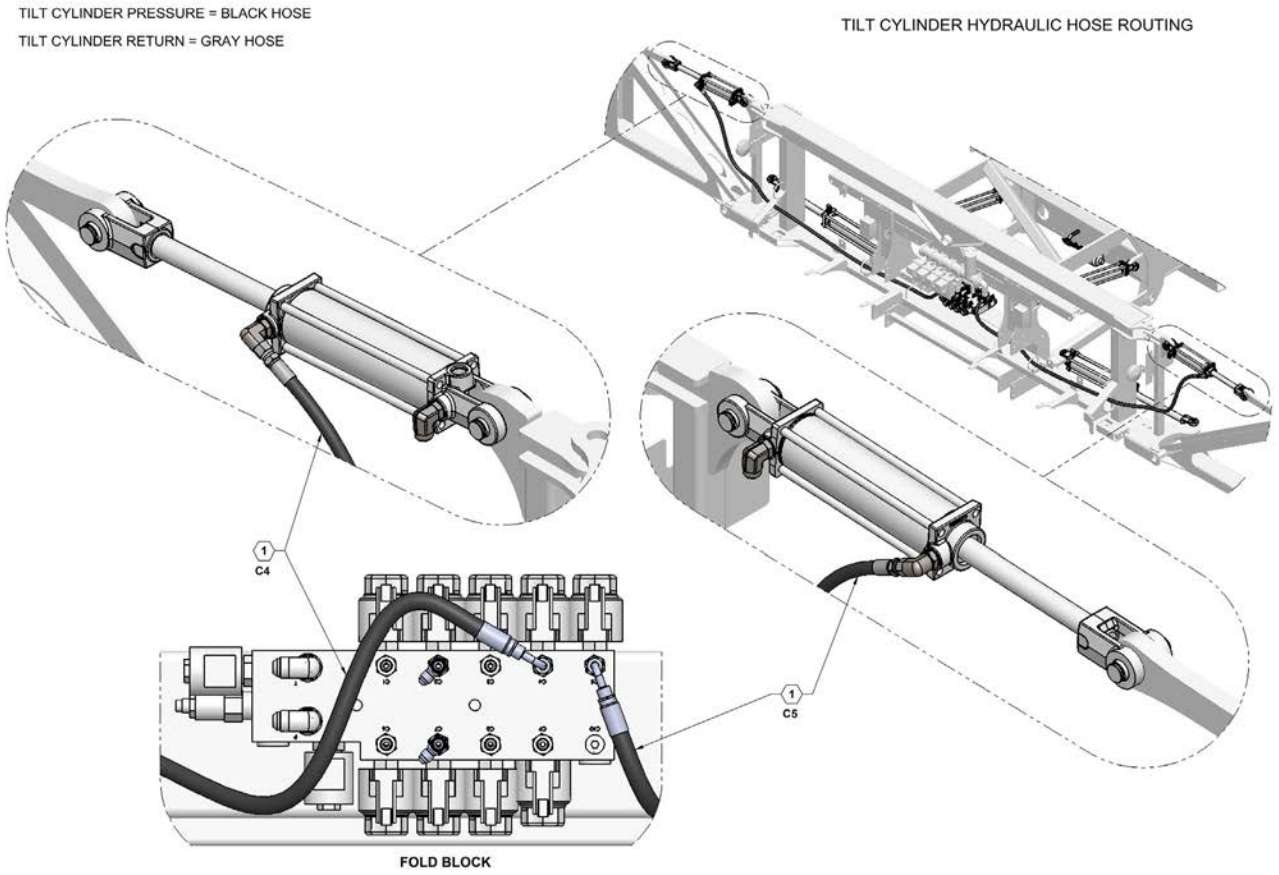
Main Lift Hydraulic Hose Routing



Main Lift Hydraulic Hose Routing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	FDM 0048-ZN	1	HYDRAULIC HOSE, 04-4FJX90-4FJX-85
2	600040-12-ZN	1	HYDRAULIC HOSE, 06-6FJX-6FJX-28
3	600040-13-ZN	1	HYDRAULIC HOSE, 06-6FJX-6FJX-30

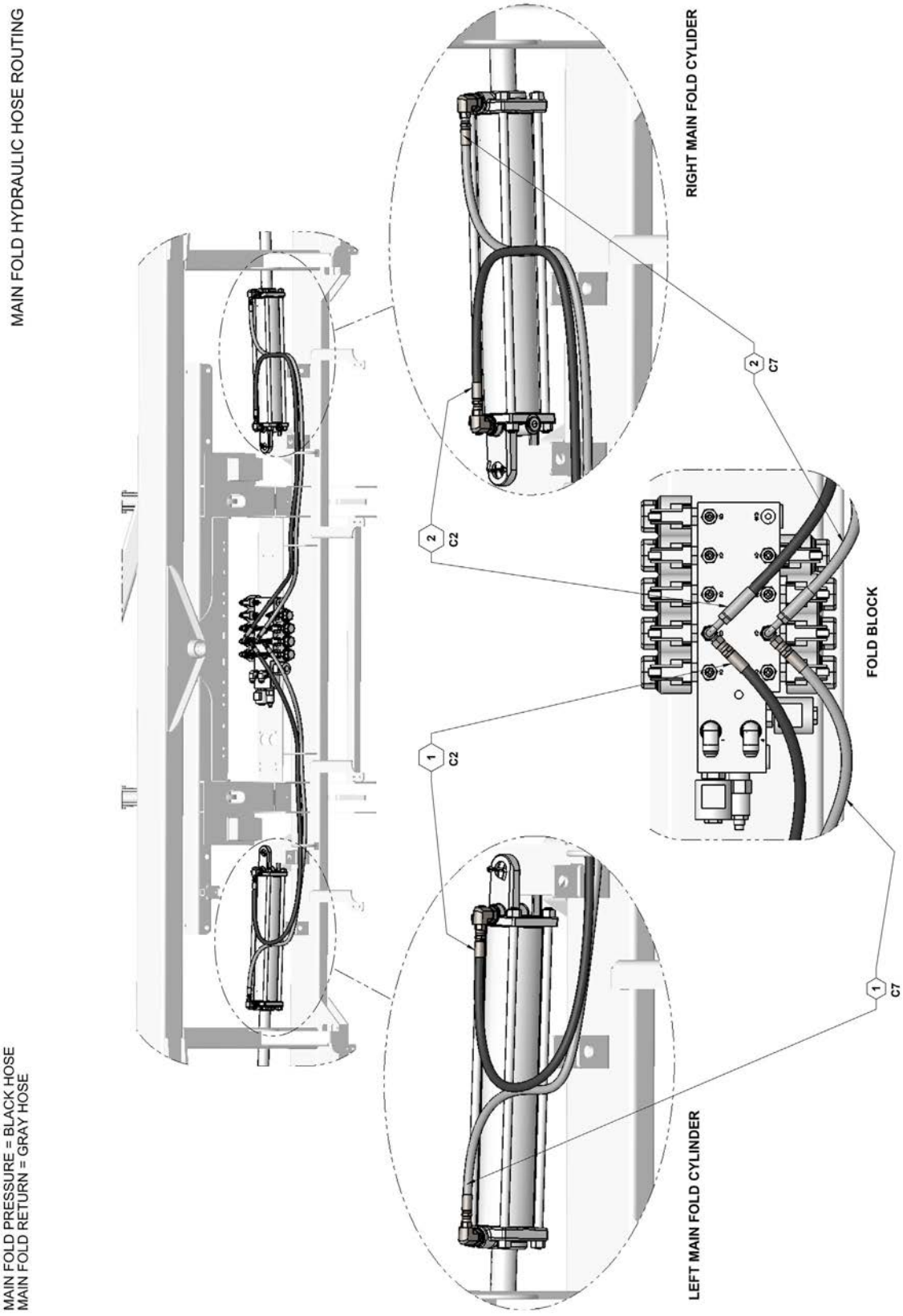
Tilt Cylinder Hydraulic Hose Routing



Tilt Cylinder Hydraulic Hose Routing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	600040-19-ZN	2	HYDRAULIC HOSE, 06-4FJX90-6FJX-100

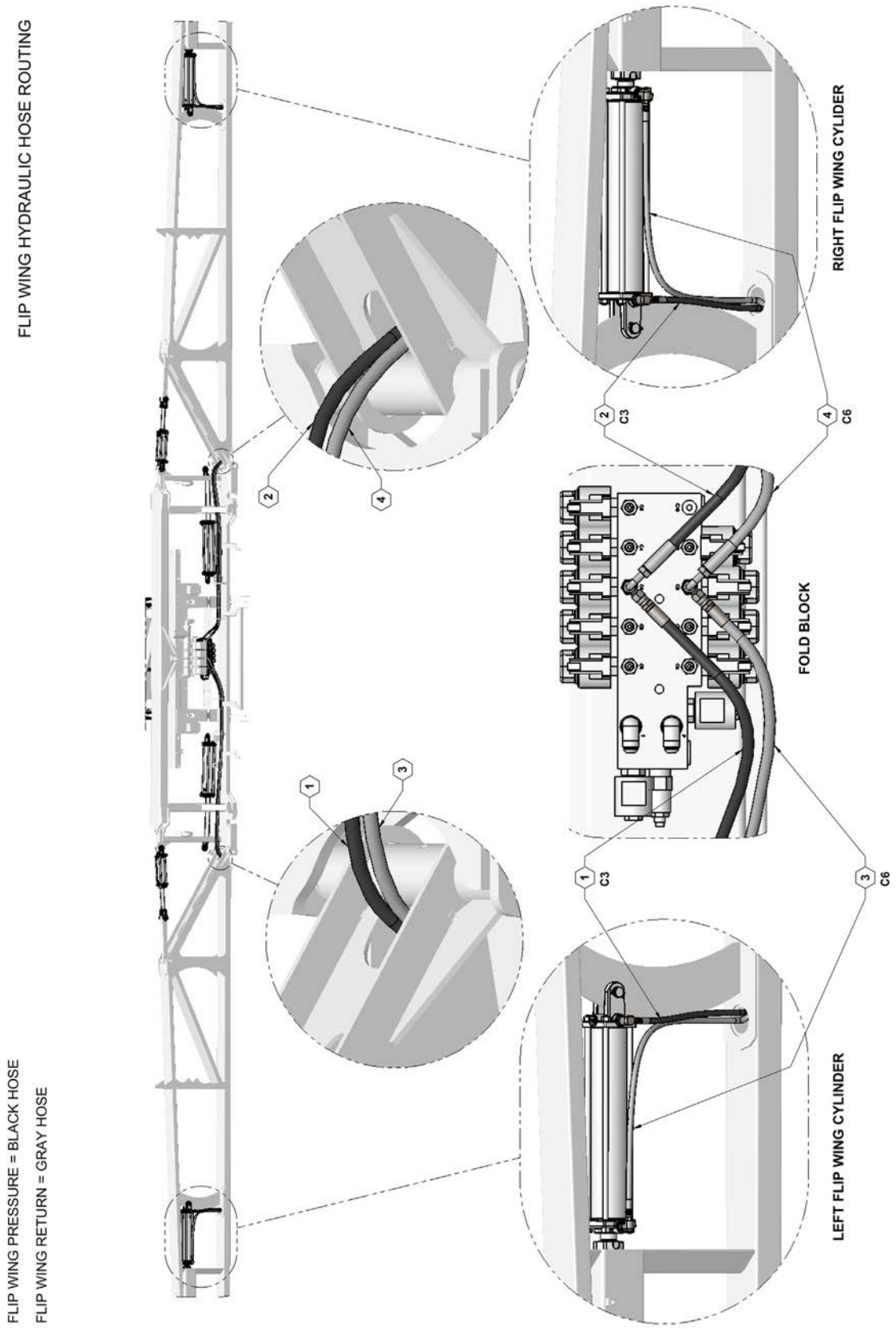
Main Hydraulic Hose Routing



Main Hydraulic Hose Routing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	600040-14-ZN	2	HYDRAULIC HOSE, 04-4FJX-4FJX-54
2	600040-9-ZN	2	HYDRAULIC HOSE, 04-4FJX-4FJX-54

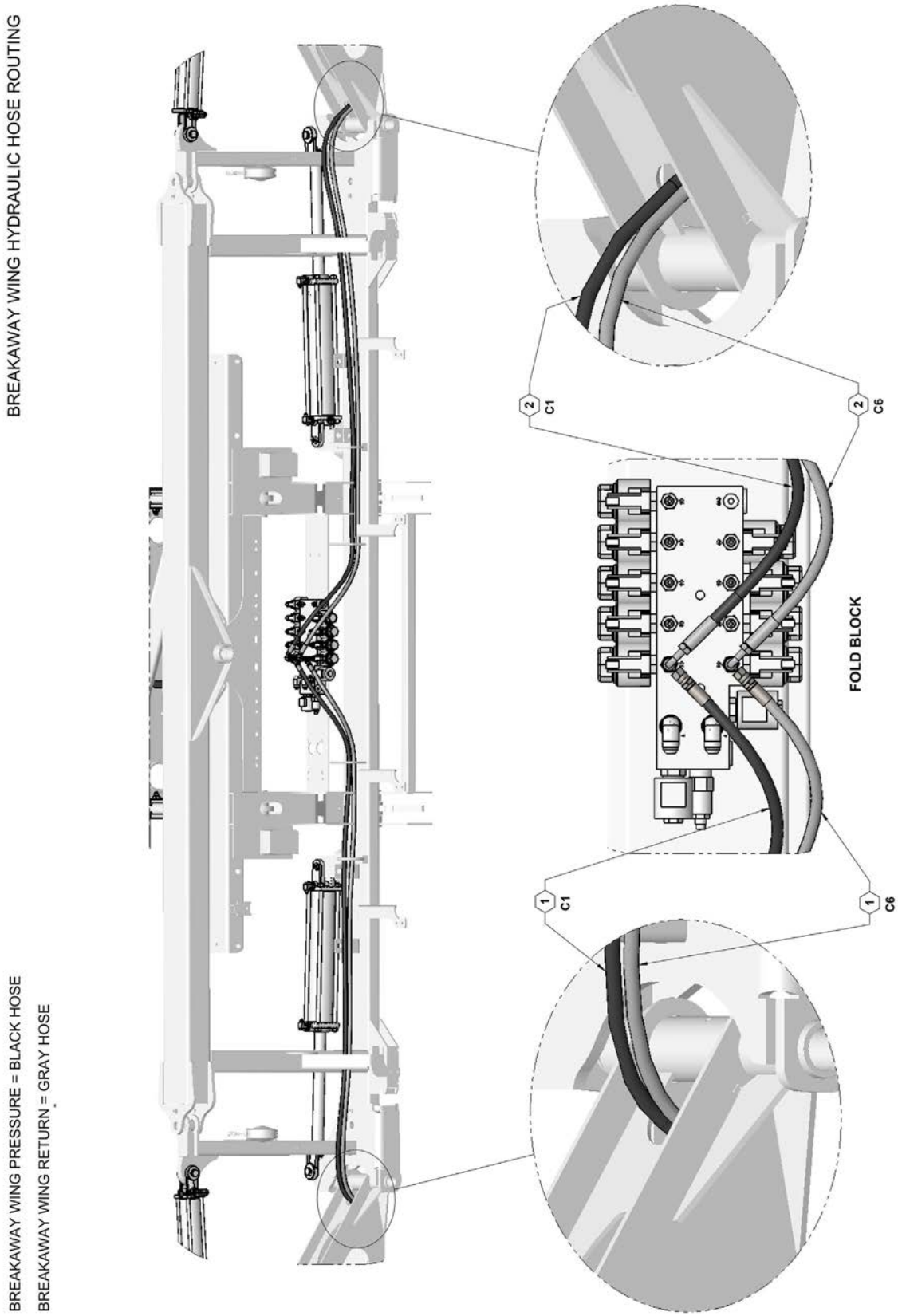
Flip Wing Hydraulic Hose Routing



Flip Wing Hydraulic Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	600040-16-ZN	1	HYDRAULIC HOSE, 04-4FJX-4FJX-202
2	600040-11A-ZN	1	HYDRAULIC HOSE, 04-4FJX90-4FJX-215
3	600040-17A-ZN	1	HYDRAULIC HOSE, 04-4FJX-4FJX-220
4	600045-6-ZN	1	HYDRAULIC HOSE, 04-4FJX90-4FJX-200

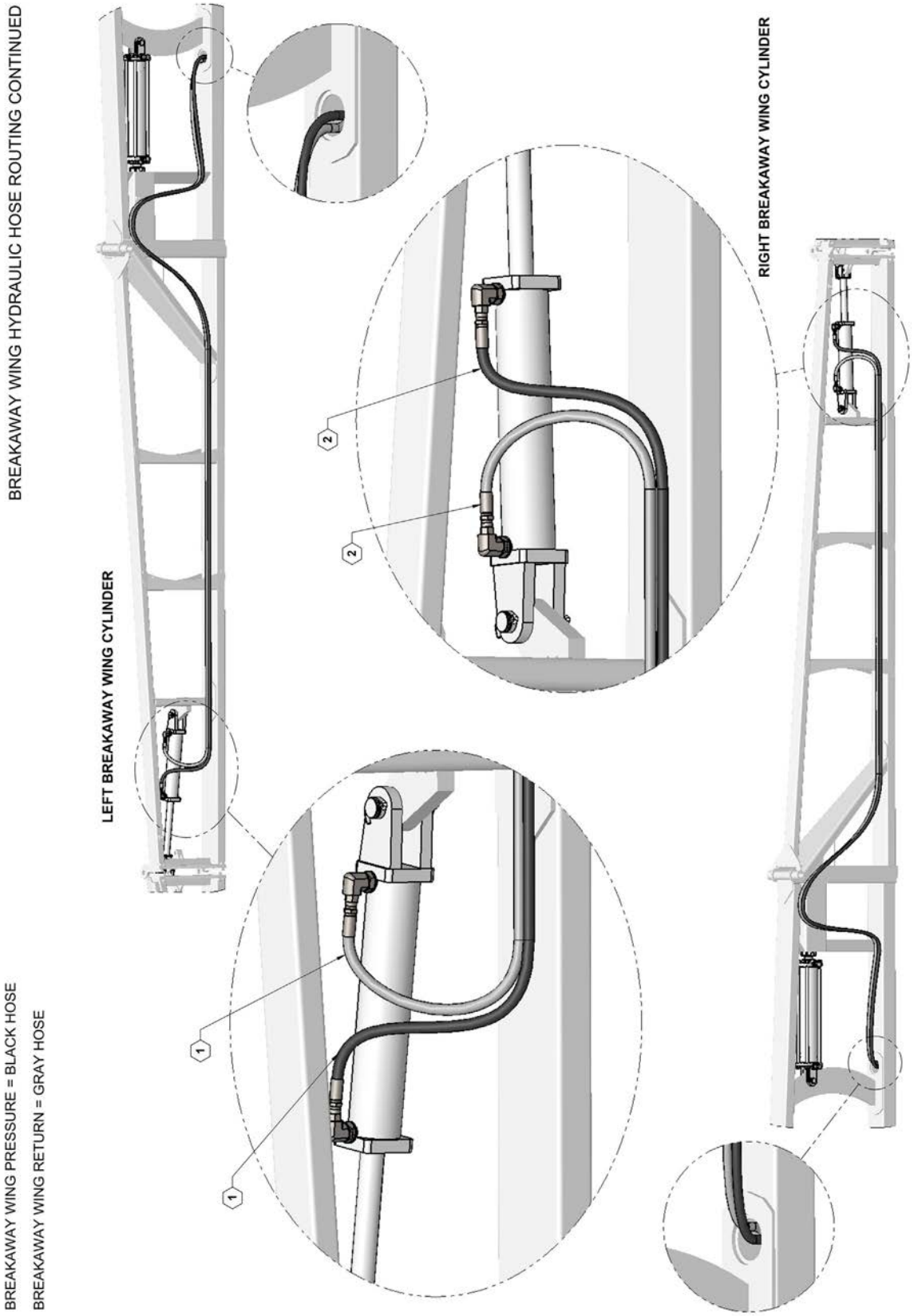
Breakaway Wing Hydraulic Hose Routing



Breakaway Wing Hydraulic Hose Routing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	600040-7-ZN	2	HYDRAULIC HOSE, 04-4FJX-4FJX-384
2	600040-8-ZN	2	HYDRAULIC HOSE, 04-4FJX90-4FJX-384

Breakaway Wing Hydraulic Hose Routing



Breakaway Wing Hydraulic Hose Routing Parts List

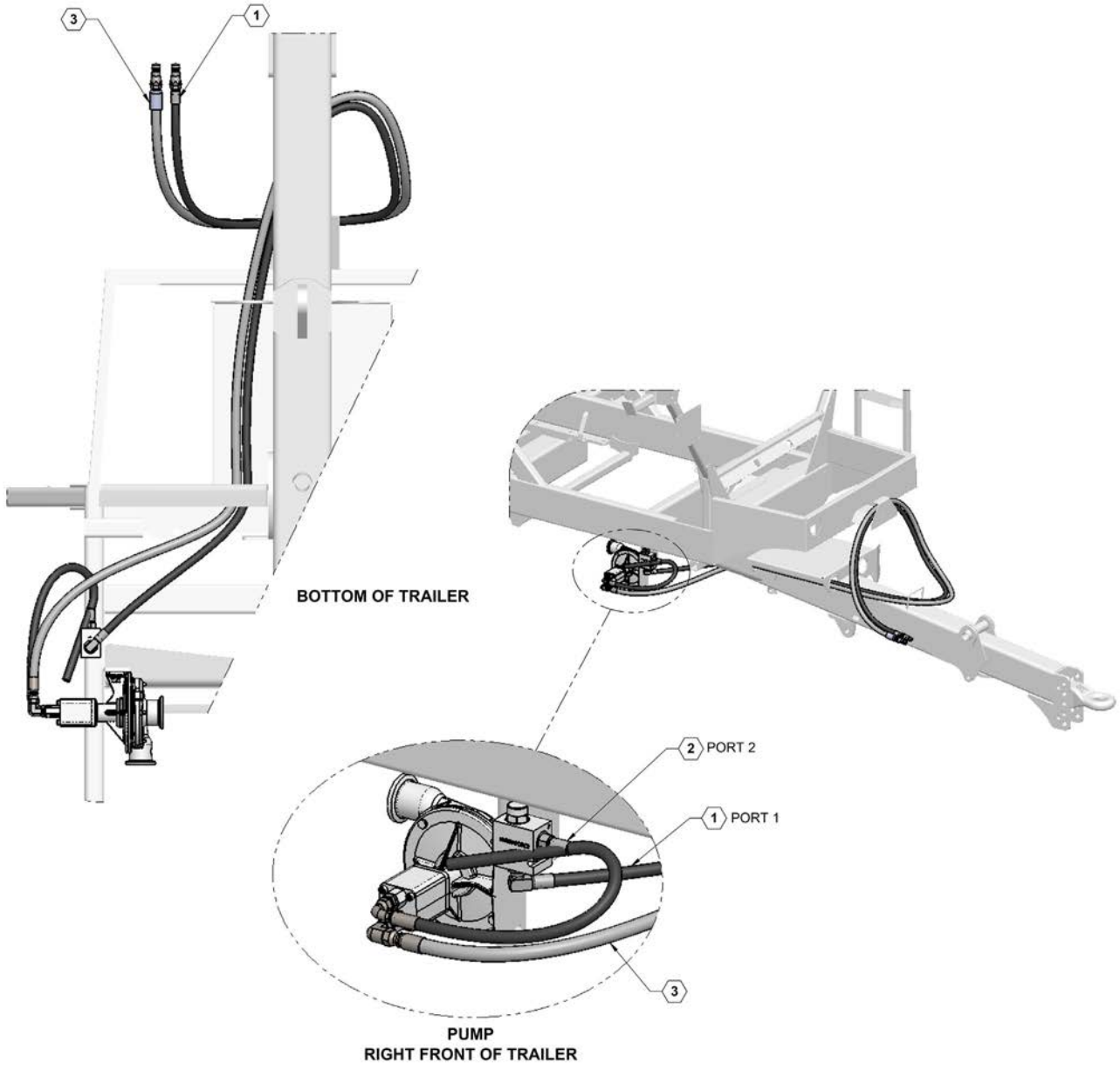
ITEM	PART NO.	QTY.	DESCRIPTION
1	600040-7-ZN	2	HYDRAULIC HOSE, 04-4FJX-4FJX-384
2	600040-8-ZN	2	HYDRAULIC HOSE, 04-4FJX90-4FJX-384

Hydraulic Pump Hose Routing

PUMP PRESSURE = BLACK HOSE

PUMP RETURN = GRAY HOSE

PUMP HYDRAULIC HOSE ROUTING



Hydraulic Pump Hose Routing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	600040-18A-ZN	1	HYDRAULIC HOSE, 08-10MOR90-8MOR-168
2	600040-20A-ZN	1	HYDRAULIC HOSE, 08-8FJX90-10MOR-25
3	600040-2C-ZN	1	HYDRAULIC HOSE, 10-10MOR-8MOR-180

Raven 450 Controller Kit With Skytrak, Up To 6 Sections

ITEM	PART NO.	QTY.	DESCRIPTION
	631803	1	CONSOLE, SCS450 (6-BOOM)
	631815	1	CABLE, 24' EXT 6BM SCS450
	631818	1	CABLE 10' CONSOLE 7BM SCS 440/450
	631832	1	SENSOR, GPS SPEED, RAVEN
	632028	1	47 PIN TO 16 PIN ADAPTER CABLE
	632077	1	CABLE PRODUCT 47 PIN 6 SECTION

Raven ISO Rate Control Module, Cables To Tractor, ISO Hookup, No VT Console

ITEM	PART NO.	QTY.	DESCRIPTION
	15813BLK	1	PLATE, MOUNT, RATE CONTROLLER
	596105M	1	HEX HEAD G5 1/4-20 X 2-1/2 MAG
	596110M	1	BOLT, HH 1/4-20 X 3 MAGNI
	596128M	2	HH G5 3/8 X 1 MAGNI
	596235M	3	HEX NUT CENTER LOCK 1/4 MAGNI
	596237M	2	HEX NUT 3/8 CENTER LOCK MAGNI
	631856	1	SWITCH ASSEMBLY FOOT ISO PRODUCT CONTROL
	632118	1	RAVEN RATE CONTROL MODULE, SPRAYER
	632029	1	47 PIN RCM CABLE
	632035	1	14' 47 PIN TO 47 PIN PLUG
	632078	1	CABLE PRODUCT 47 PIN 10SEC
	632043	1	CABLE, ADAPTER 17' 9 PIN
	632061	1	CABLE, FOOT SWITCH 12'

Deere JDRC 2000 ISO Rate Controller, Cables To Tractor, ISO Hookup, No VT Console

ITEM	PART NO.	QTY.	DESCRIPTION
	15813BLK	1	PLATE, MOUNT, RATE CONTROLLER
	596105M	1	HEX HEAD G5 1/4-20 X 2-1/2 MAG
	596110M	2	BOLT, HH 1/4-20 X 3 MAGNI
	596128M	2	HH G5 3/8 X 1 MAGNI
	596235M	3	HEX NUT CENTER LOCK 1/4 MAGNI
	596237M	2	HEX NUT 3/8 CENTER LOCK MAGNI
	632035	1	14' 47 PIN TO 47 PIN PLUG
	632078	1	CABLE PRODUCT 47 PIN 10SEC
	632043	1	CABLE, ADAPTER 17' 9 PIN
	632045	1	JD RC2000 CONTROL MODULE
	632061	1	CABLE, FOOT SWITCH 12'

47 Pin Product Control Cable - Customer Supplied JDRC2000 Rate Controller / Raven RCM

ITEM	PART NO.	QTY.	DESCRIPTION
	15813BLK	1	PLATE, MOUNT, RATE CONTROLLER
	596105M	1	HEX HEAD G5 1/4-20 X 2-1/2 MAG
	596110M	2	BOLT, HH 1/4-20 X 3 MAGNI
	596128M	2	HH G5 3/8 X 1 MAGNI
	596235M	3	HEX NUT CENTER LOCK 1/4 MAGNI
	596237M	2	HEX NUT 3/8 CENTER LOCK MAGNI
	632035	1	14' 47 PIN TO 47 PIN PLUG
	632078	1	CABLE PRODUCT 47 PIN 10SEC

47 Pin To 37 Pin Product Control Cable - Customer Supplied GreenStar Rate Controller

ITEM	PART NO.	QTY.	DESCRIPTION
	15813BLK	1	PLATE, MOUNT, RATE CONTROLLER
	596105M	1	HEX HEAD G5 1/4-20 X 2-1/2 MAG
	596110M	2	BOLT, HH 1/4-20 X 3 MAGNI
	596128M	2	HH G5 3/8 X 1 MAGNI
	596235M	3	HEX NUT CENTER LOCK 1/4 MAGNI
	596237M	2	HEX NUT 3/8 CENTER LOCK MAGNI
	632035	1	14' 47 PIN TO 47 PIN PLUG
	632078	1	CABLE PRODUCT 47 PIN 10SEC
	632070	1	37 TO 47 PIN ADAPTER

47 Pin To 16 Pin Product Control Cable - Customer Supplied Raven 450

ITEM	PART NO.	QTY.	DESCRIPTION
	631814	1	CABLE, 12' EXTENSION 6BM SCS440, 16 PIN
	632028	1	47 PIN TO 16 PIN ADAPTER CABLE
	632035	1	14' 47 PIN TO 47 PIN PLUG
	632077	1	CABLE PRODUCT 47 PIN 6SEC

47 Pin Product Control Cable - Customer Supplied Rate Controller

ITEM	PART NO.	QTY.	DESCRIPTION
	632035	1	14' 47 PIN TO 47 PIN PLUG
	632078	1	CABLE PRODUCT 47 PIN 10SEC

Raven CR7 ISO Display With Deere Harness (Deere ISO Controller)

ITEM	PART NO.	QTY.	DESCRIPTION
	632063	1	RAVEN PRECISION CR7 DISPLAY
	632066	1	CABLE, CR7 ISO VT ONLY
	632067	1	CABLE, DISPLAY PORT, Y ADAPTER

Raven CR7 ISO Display With Harness (Non-Deere ISO Controller)

ITEM	PART NO.	QTY.	DESCRIPTION
	632063	1	RAVEN PRECISION CR7 DISPLAY
	632065	1	CABLE, CAN/POWER OEM ISO
	632066	1	CABLE, CR7 ISO VT ONLY

Raven CR7 ISO Display With Complete ISO Harness (Non-ISO Tractor)

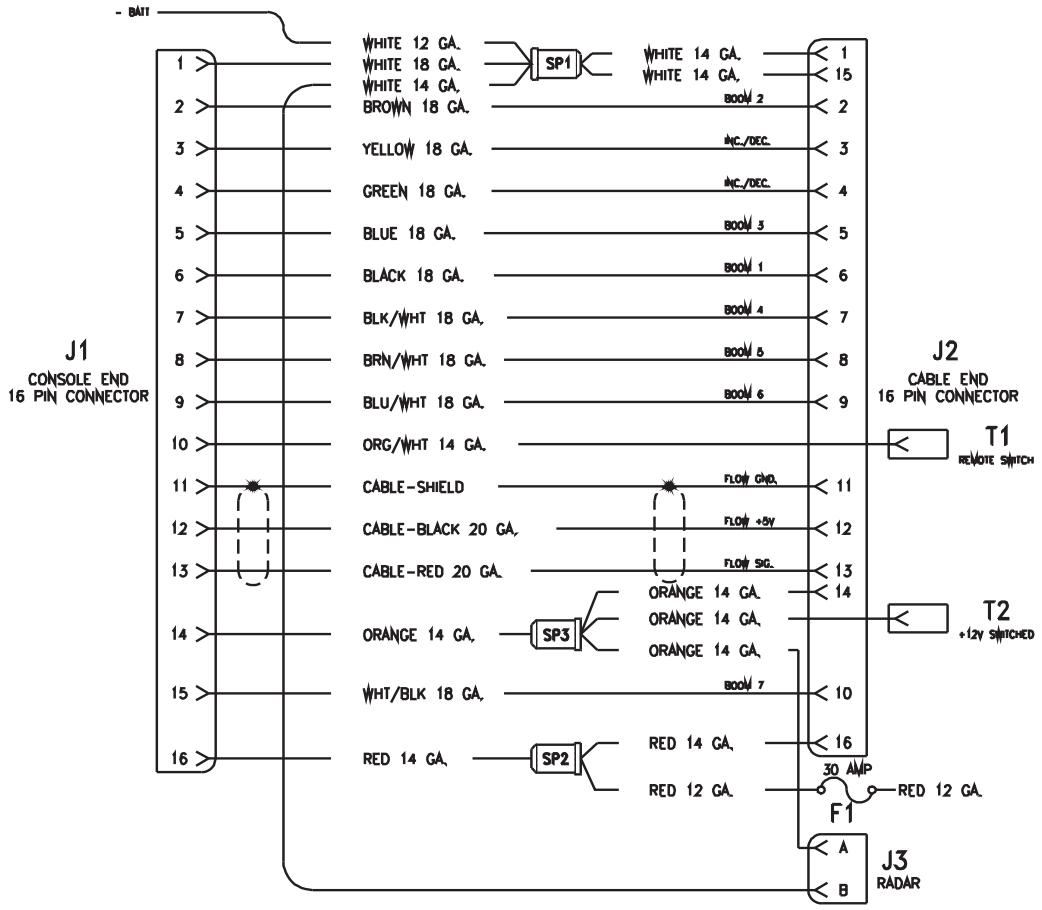
ITEM	PART NO.	QTY.	DESCRIPTION
	632063	1	RAVEN PRECISION CR7 DISPLAY
	632064	1	CABLE, RAVEN ISO/POWER
	632066	1	CABLE, CR7 ISO VT ONLY

Flow-Back Ball Valve Line Rinse - Electric Valve With Toggle Switch

ITEM	PART NO.	QTY.	DESCRIPTION
	11145BLK	1	SWITCH BRACKET
	500027	0.25	VALVE 450BEC MANIFOLD (NARROW) (NON-FLOWBACK)
	500028	0.25	VALVE 450BEC MANIFOLD (WIDE) (NON-FLOWBACK)
	500029	0.25	VALVE 450BEC MANIFOLD (WIDE) (FLOWBACK)
	510016	2.5	HOSE, 1" EPDM
	510019	3	HOSE, 3/4" EPDM
	530189	1	QUICK CONNECT 1" STRAIGHT BARB
	530434	1	1" HB OUTLET X M QC
	540013	2	CLAMP, STAINLESS 3/4" #12
	540014	2	CLAMP, STAINLESS 1" #16
	560055	1	ELECTRICAL SWITCH SEALED SPST

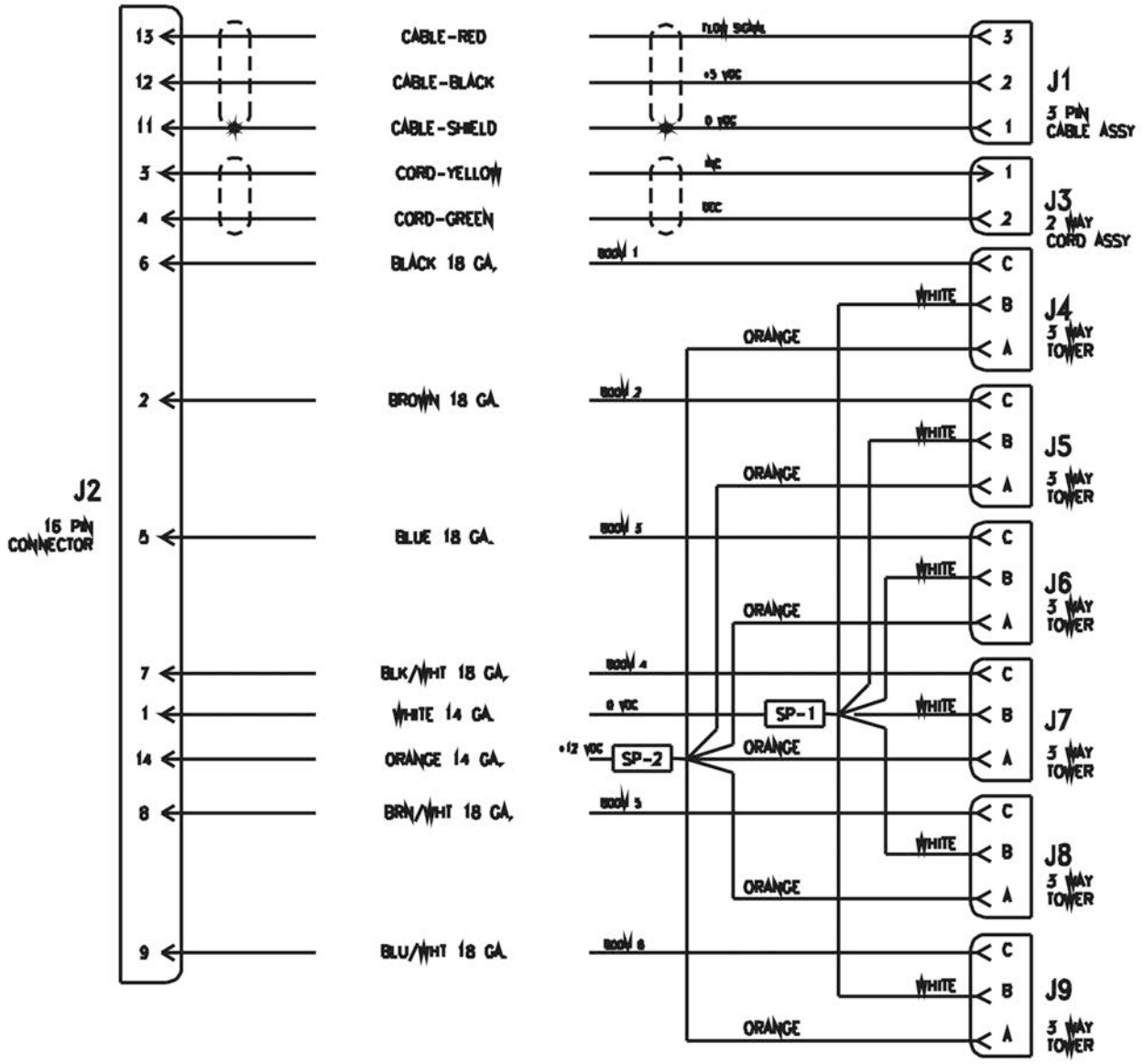
Control Console Wiring Harness

CABLE,
CONSOLE, SCS 460, 6 BOOM, 10'
115-0171-085 (Rev. A)



Control Console Wiring Harness

CABLE,
12' PRODUCT, 6 BOOM WITH 3 PIN TOWERS
115-0171-129 (Rev. A)



Adapter Cable, 16 Pin Console To 47 Pin Product Port (632028)

J1

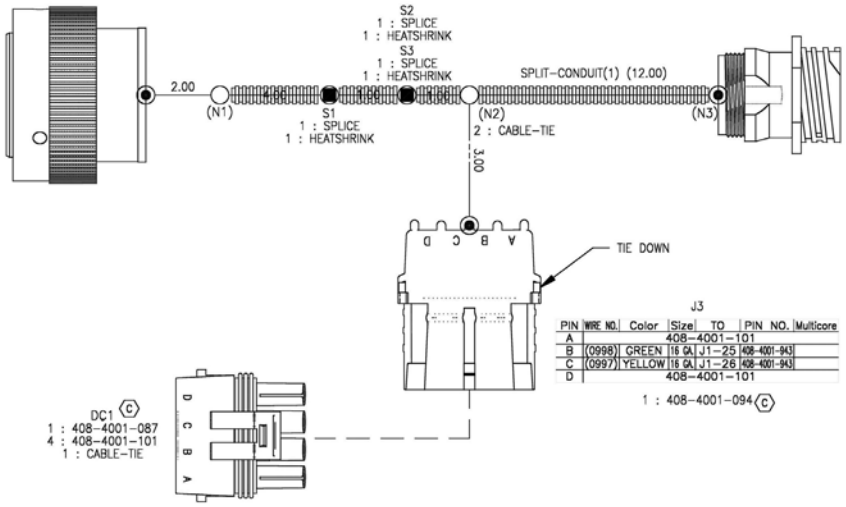
PIN	WIRE NO.	Color	Size	TO	PIN NO.	Multicore
1	(0010A)	BLACK	14 GA.	J2-1	408-4001-318	
2	(0950A)	BLACK	18 GA.	S1-3	408-4001-823	
3	(0950B)	BLACK	18 GA.	S1-2	408-4001-823	
4	(0010B)	BLACK	14 GA.	J2-15	408-4001-318	
5	(0062A)	RED	14 GA.	S2-3	408-4001-318	
6	(0062B)	RED	14 GA.	S2-1	408-4001-318	
7				408-4001-882		
8				408-4001-882		
9				408-4001-882		
10				408-4001-882		
11				408-4001-882		
12	(0966)	GRAY	18 GA.	J2-13	408-4001-823	
13				408-4001-882		
14				408-4001-882		
15				408-4001-882		
16				408-4001-882		
17				408-4001-882		
18				408-4001-882		
19				408-4001-882		
20				408-4001-882		
21				408-4001-882		
22	(0963)	RED	16 GA.	J2-12	408-4001-823	
23	(0978)	BLUE/WHITE	18 GA.	J2-4	408-4001-823	
24	(0977)	BROWN/WHITE	18 GA.	J2-3	408-4001-823	
25	(0998)	GREEN	16 GA.	J3-B	408-4001-823	
26	(0997)	YELLOW	16 GA.	J3-C	408-4001-823	
27				408-4001-882		
28				408-4001-882		
29				408-4001-882		
30				408-4001-882		
31				408-4001-882		
32	(0972A)	RED/WHITE	18 GA.	S3-2	408-4001-823	
33	(0972B)	RED/WHITE	18 GA.	S3-1	408-4001-823	
34	(0950C)	BLACK	18 GA.	S1-1	408-4001-318	
35				408-4001-882		
36	(0981)	GRAY	18 GA.	J2-6	408-4001-823	
37	(0983)	BROWN	18 GA.	J2-2	408-4001-823	
38	(0984)	BLUE	18 GA.	J2-5	408-4001-823	
39	(0985)	BLACK/WHITE	18 GA.	J2-7	408-4001-823	
40	(0986)	BROWN/WHITE	18 GA.	J2-8	408-4001-823	
41	(0987)	BLUE/WHITE	18 GA.	J2-9	408-4001-823	
42	(0988)	WHITE/BLACK	18 GA.	J2-10	408-4001-823	
43				408-4001-882		
44				408-4001-882		
45				408-4001-882		
46				408-4001-882		
47				408-4001-882		

1 : 408-4002-133
1 : 408-4001-803
1 : CABLE-TIE

J2

PIN	WIRE NO.	Color	Size	TO	PIN NO.	Multicore
1	(0010A)	BLACK	14 GA.	J1-1	408-4001-162	
2	(0983)	BROWN	18 GA.	J1-37	408-4001-162	
3	(0977)	BROWN/WHITE	18 GA.	J1-24	408-4001-162	
4	(0978)	BLUE/WHITE	18 GA.	J1-23	408-4001-162	
5	(0984)	BLUE	18 GA.	J1-38	408-4001-162	
6	(0981)	GRAY	18 GA.	J1-36	408-4001-162	
7	(0985)	BLACK/WHITE	18 GA.	J1-39	408-4001-162	
8	(0986)	BROWN/WHITE	18 GA.	J1-40	408-4001-162	
9	(0987)	BLUE/WHITE	18 GA.	J1-41	408-4001-162	
10	(0988)	WHITE/BLACK	18 GA.	J1-42	408-4001-162	
11	(0950D)	BLACK	18 GA.	S1-4	408-4001-162	
12	(0963)	RED	16 GA.	J1-22	408-4001-162	
13	(0966)	GRAY	18 GA.	J1-12	408-4001-162	
14	(0972C)	RED/WHITE	18 GA.	S3-3	408-4001-162	
15	(0010B)	BLACK	14 GA.	J1-4	408-4001-162	
16	(0062C)	RED	14 GA.	S2-2	408-4001-162	

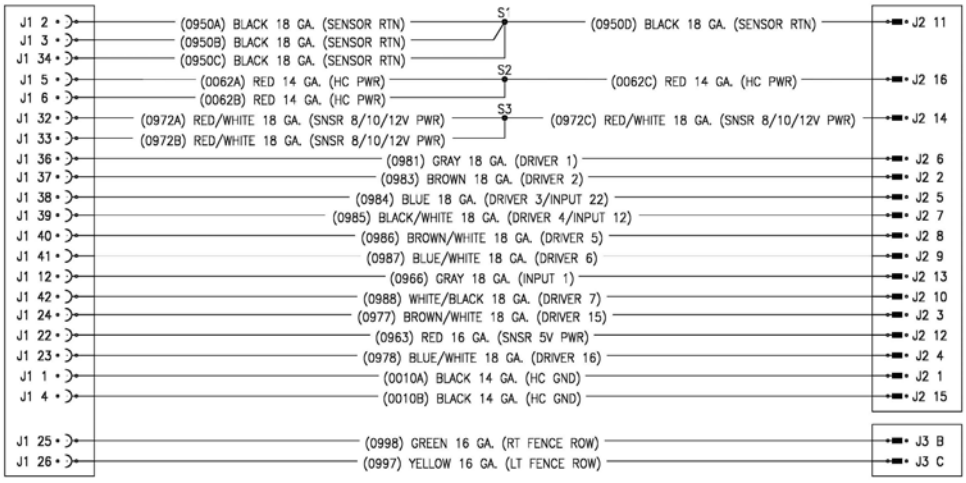
1 : 408-4001-025
1 : 408-4001-024
1 : PERIPHERAL SEAL GREASE
1 : 408-4001-019
1 : ENCAPSULATE-POTTING



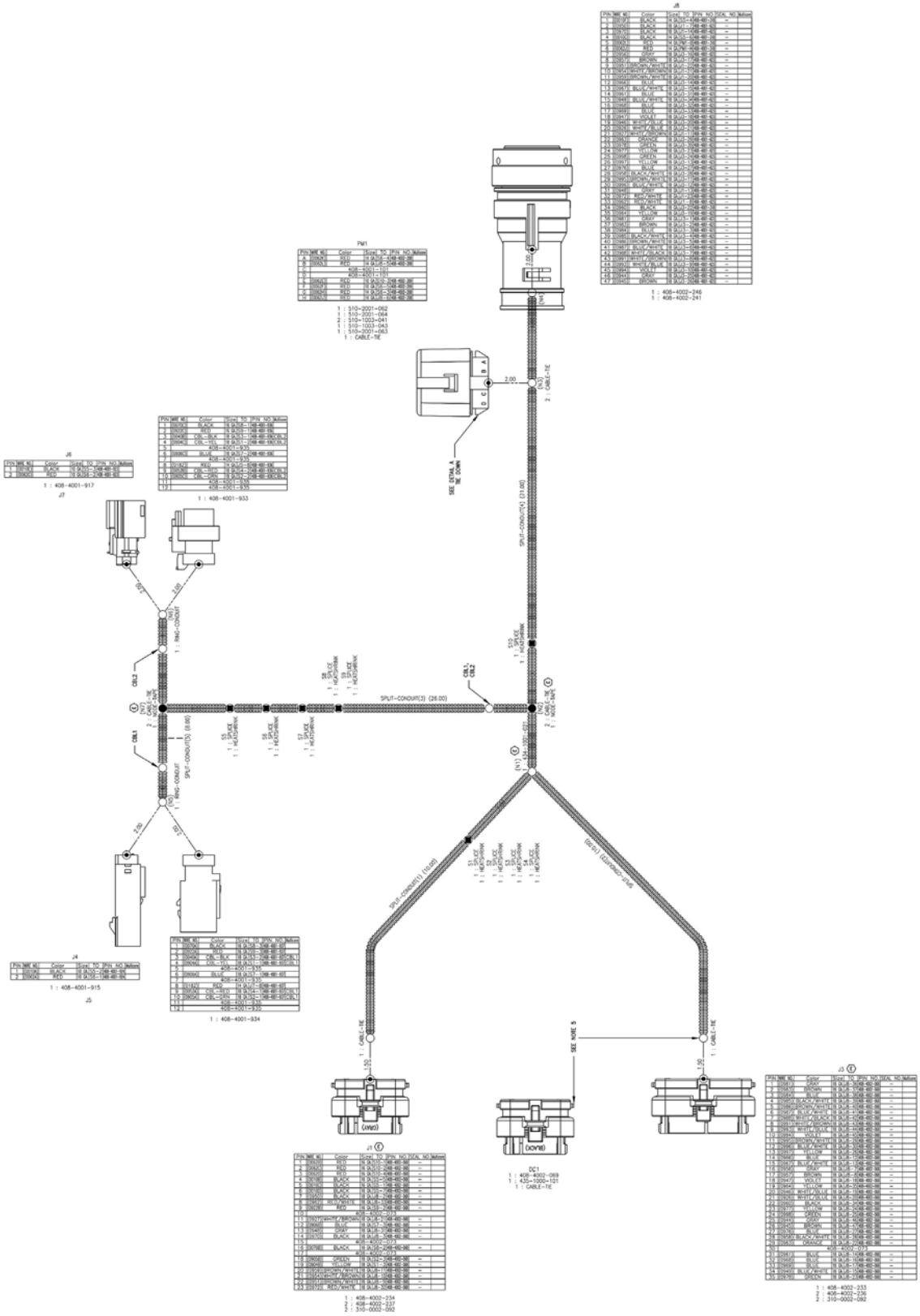
J3

PIN	WIRE NO.	Color	Size	TO	PIN NO.	Multicore
A				408-4001-101		
B	(0998)	GREEN	16 GA.	J1-25	408-4001-943	
C	(0997)	YELLOW	16 GA.	J1-26	408-4001-943	
D				408-4001-101		

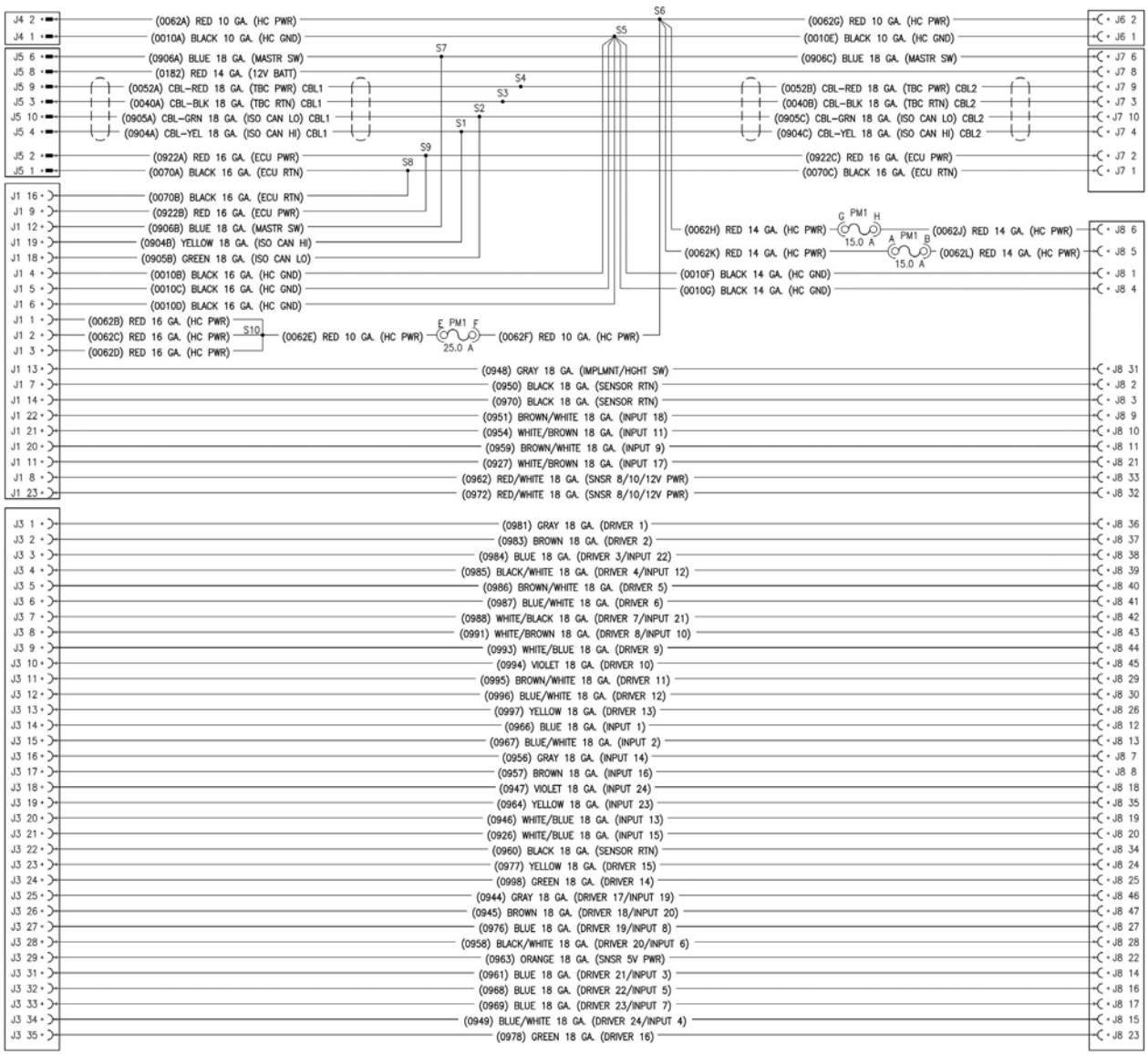
1 : 408-4001-094 C



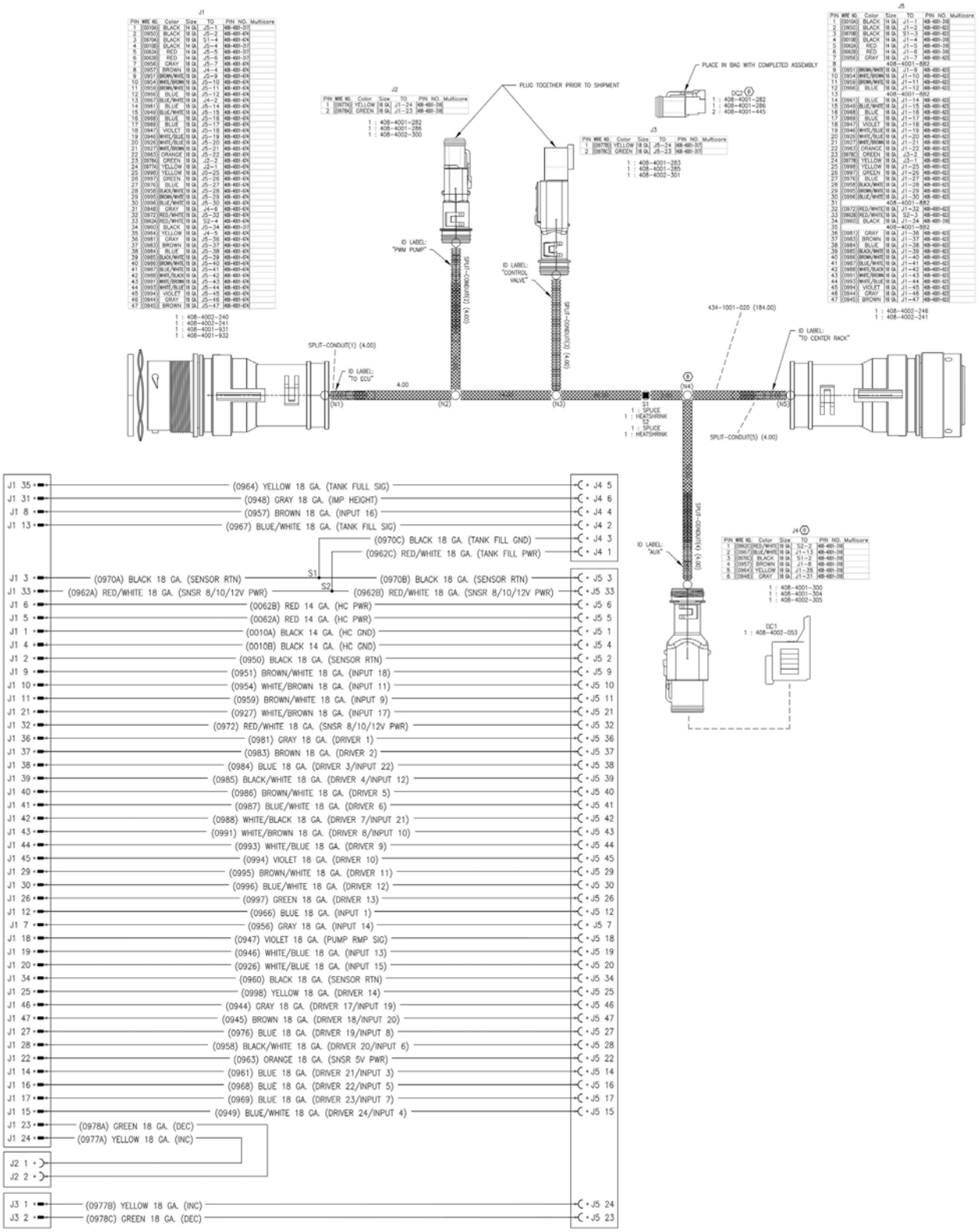
Cable, 81 Pin ECU, 47 Pin Rate Control Interface (632029)



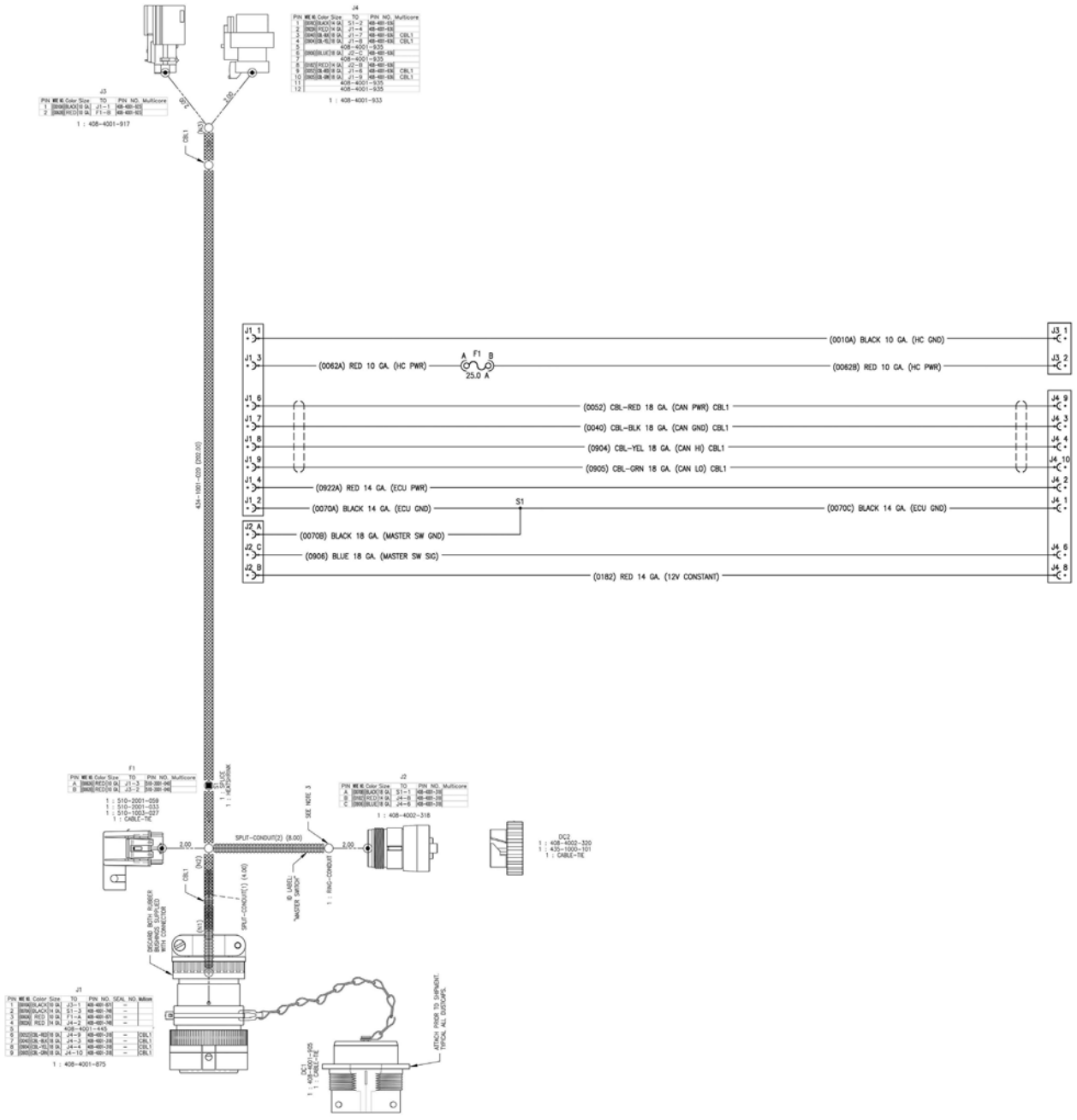
Cable, 81 Pin ECU, 47 Pin Rate Control Interface (632029)



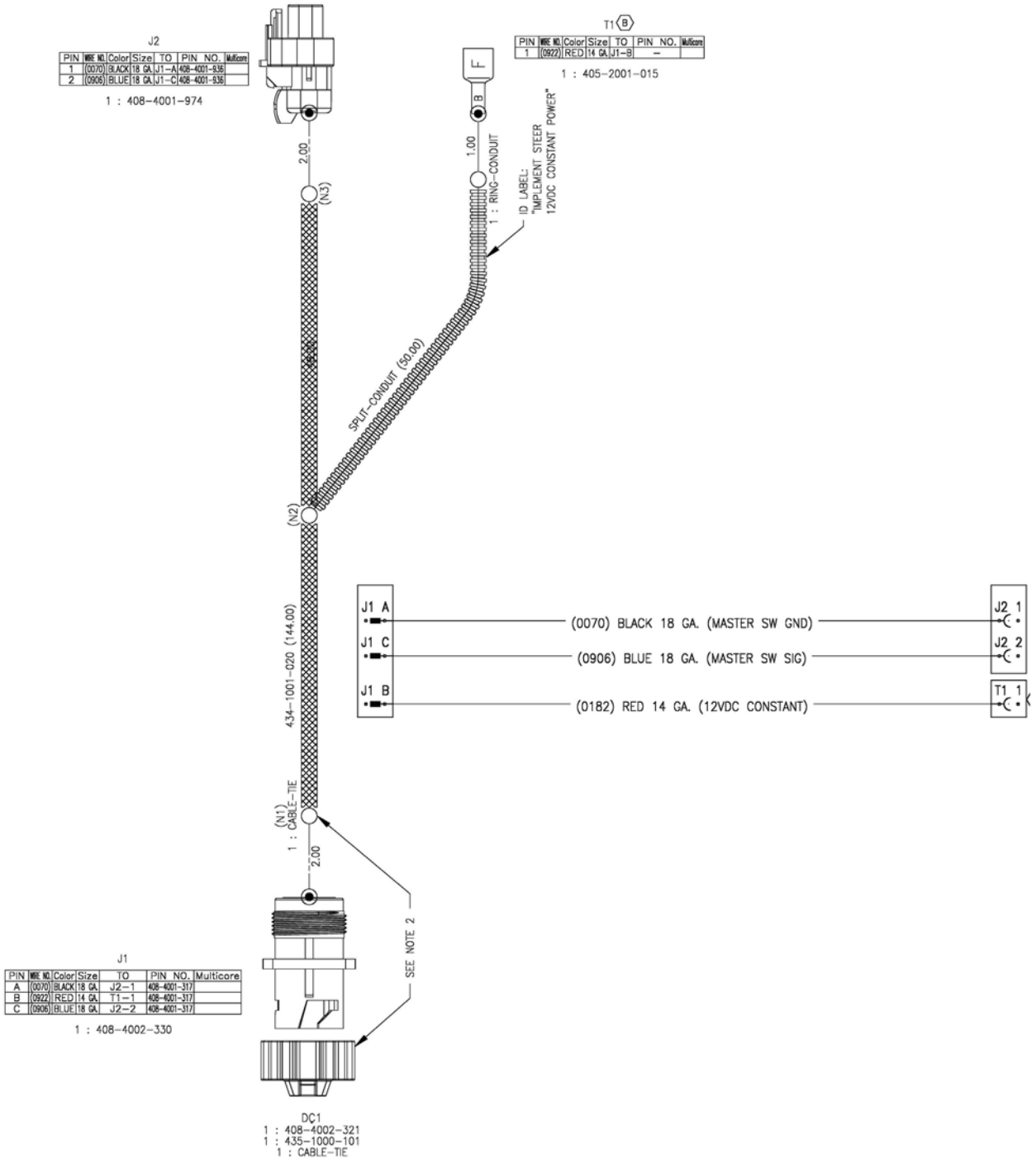
Cable, Pull Type Sprayer Frame, 14’ 47 Pin To 47 Pin (632035)



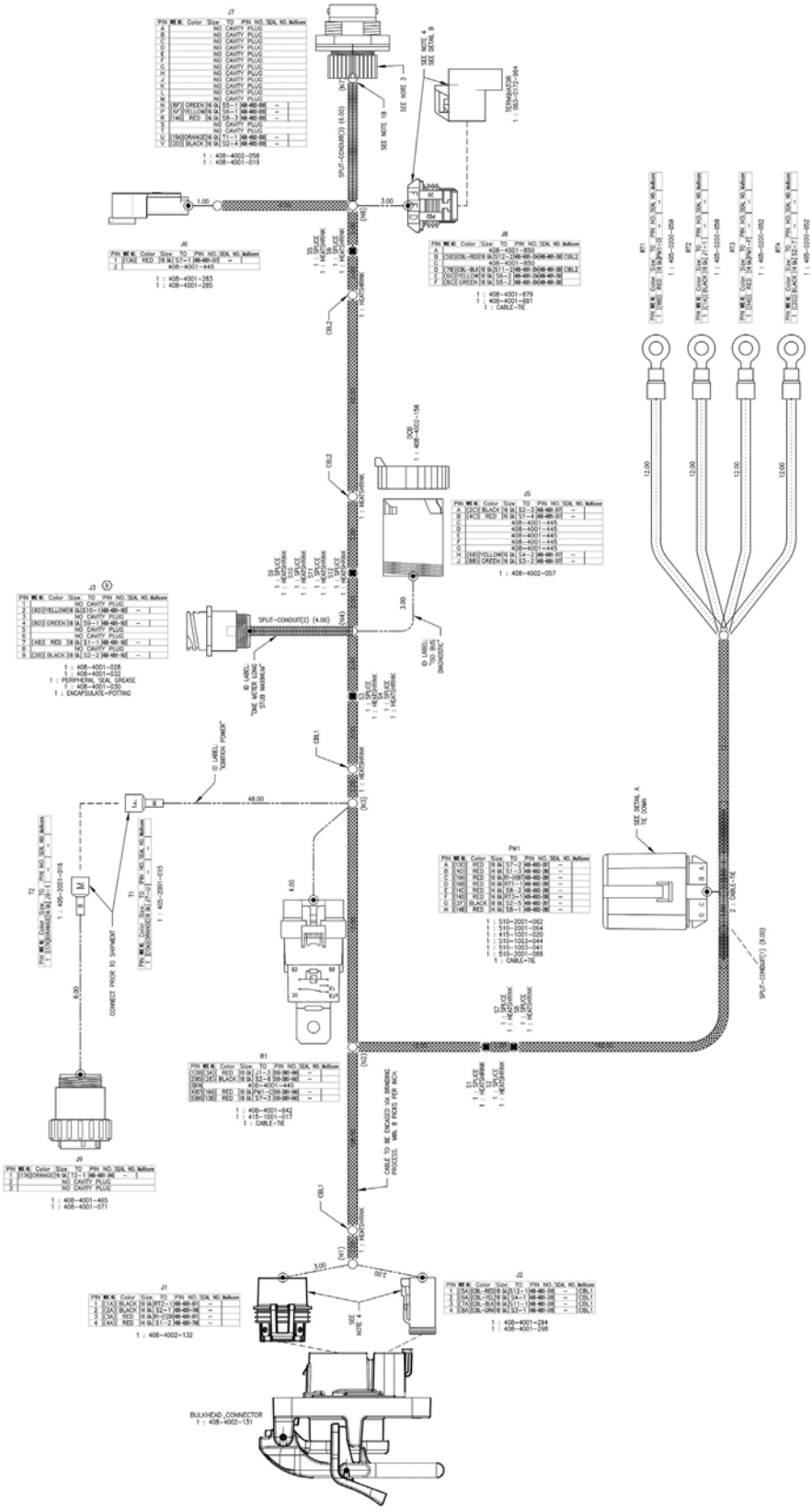
Adapter Cable, 17’, 9 Pin IBIC / 3 Pin Master to Gen 1 Isobus (632043)



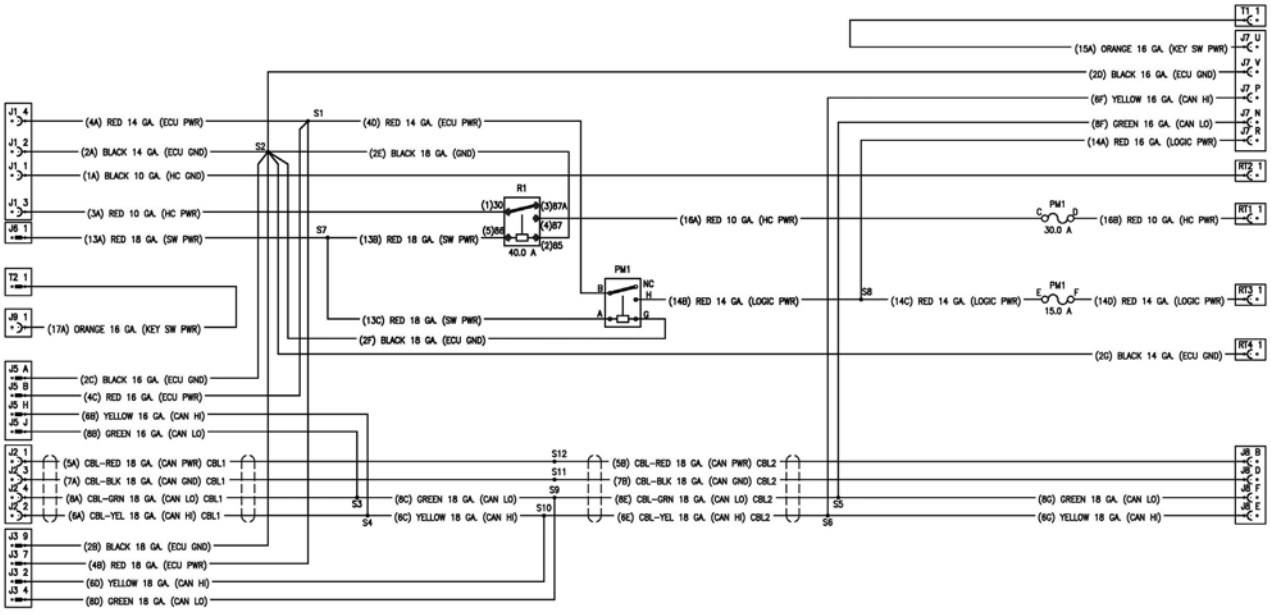
Cable, Foot Switch, 12’ (632061)



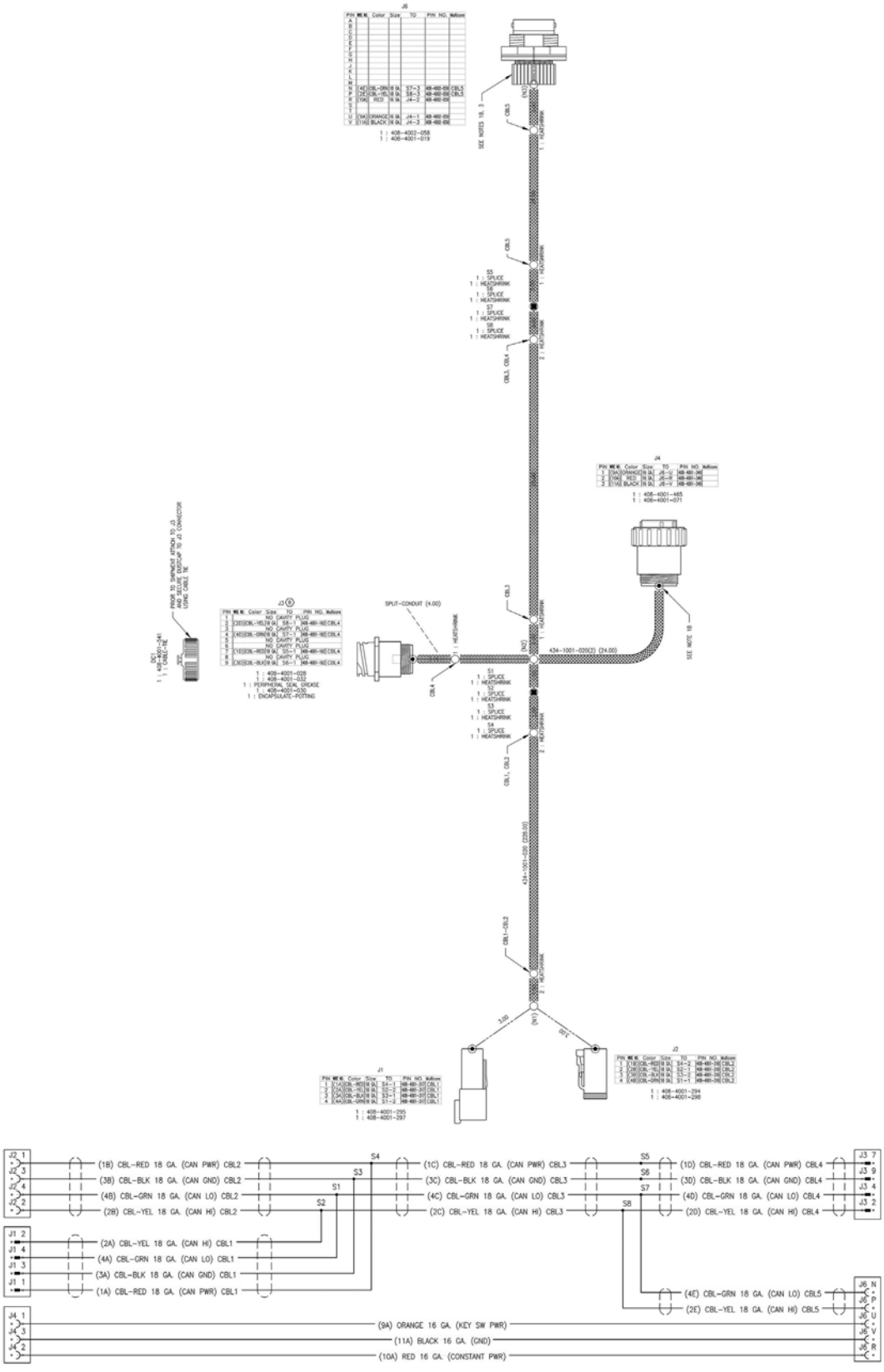
Cable, Raven ISO/Power With IBBC Connector (632064)



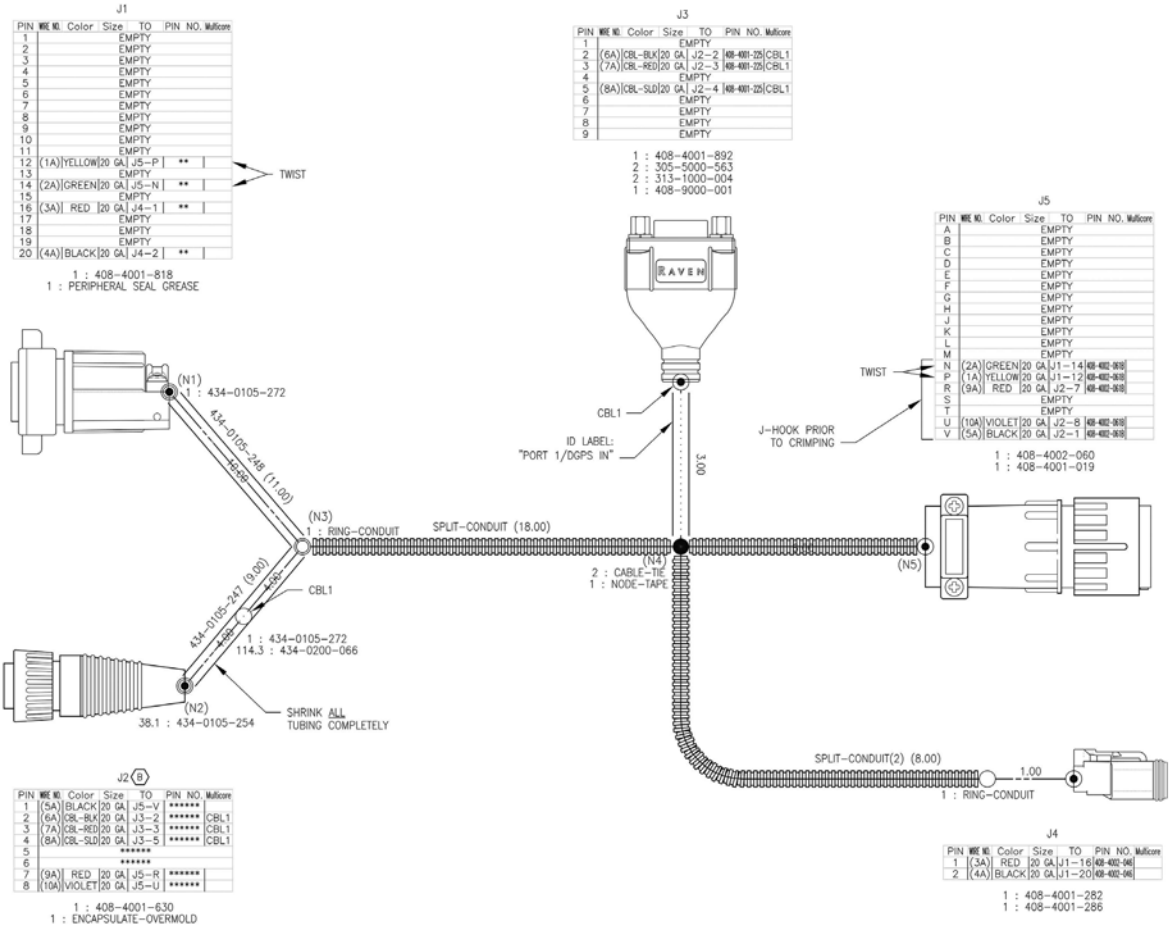
Cable, Raven ISO/Power With IBBC Connector (632064)

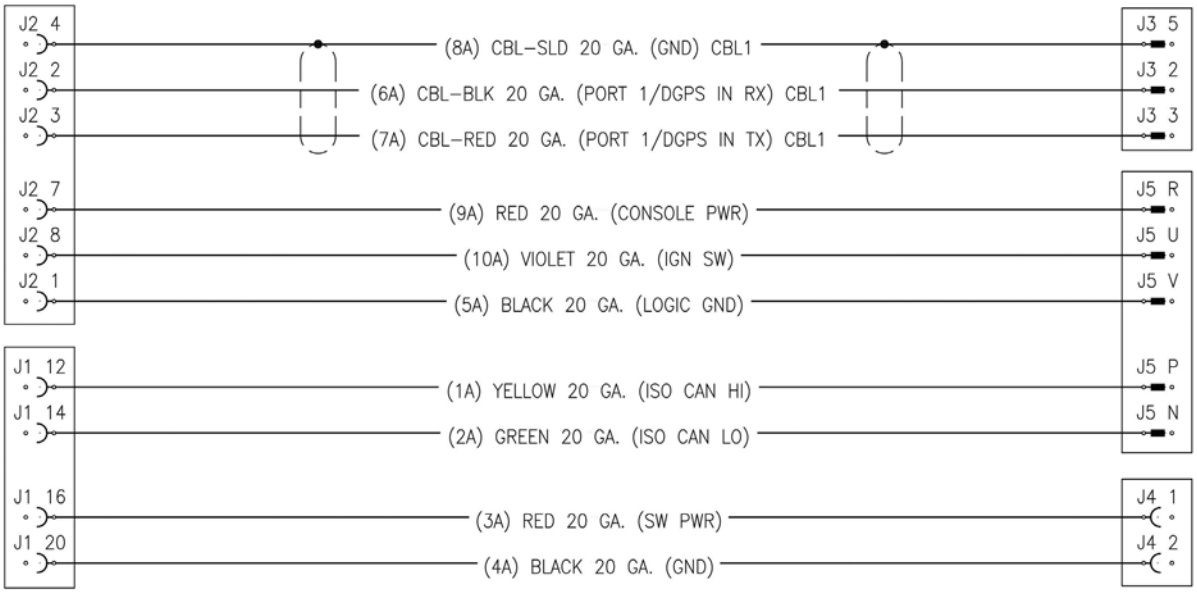


CAN/Power Cable, OEM ISO To Raven ISO Bulkhead (632065)

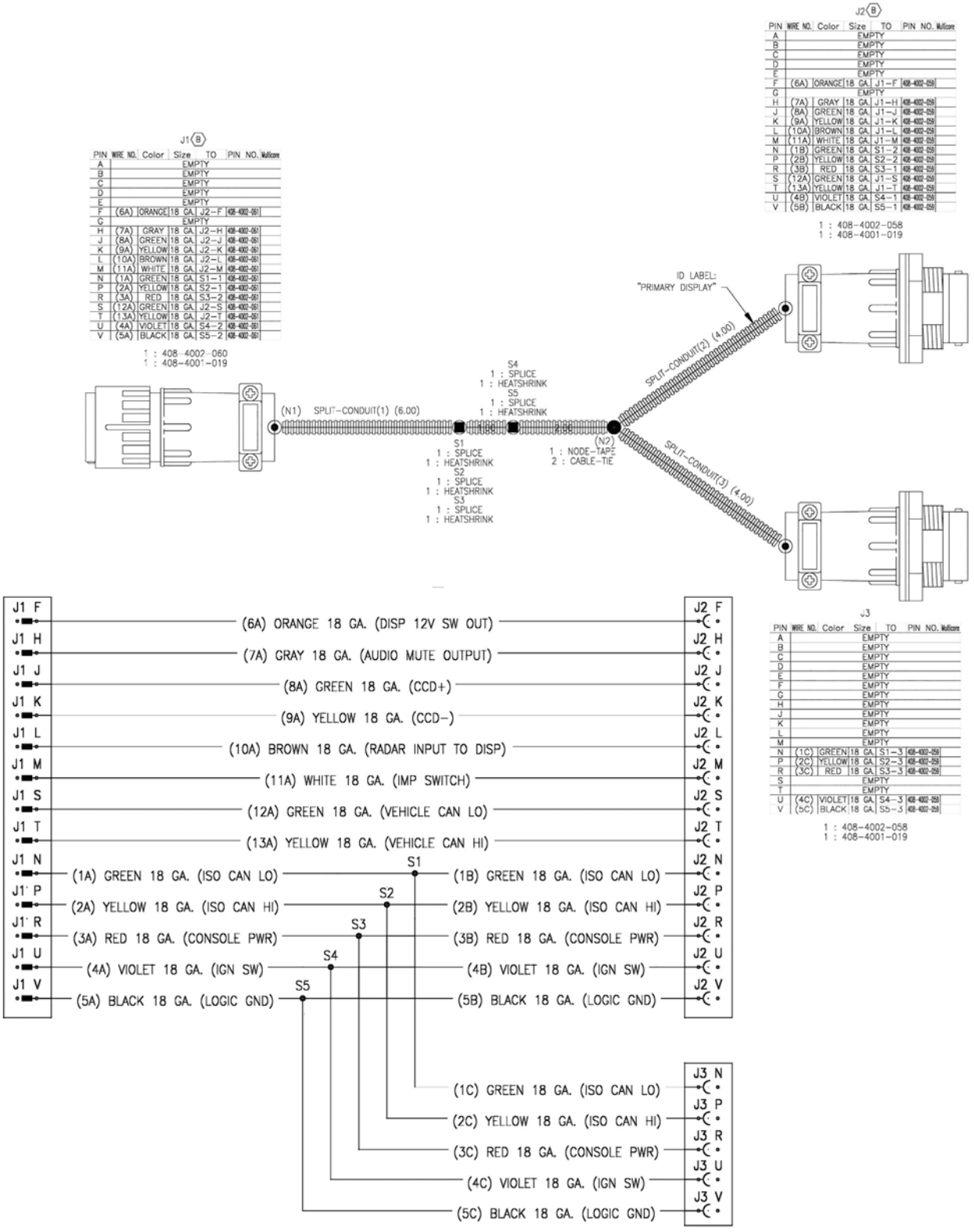


Cable, CR7, ISO VT Only (632066)





Cable, Display Port, Y Adapter (632067)



Adapter Cable, 37 Pin Console To 47 Pin Product Port (632070)

J1

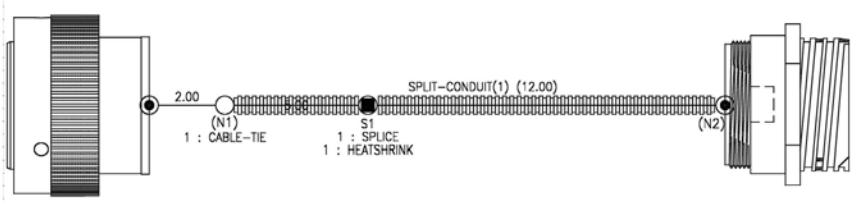
PIN	WIRE NO.	Color	Size	TO	PIN NO.	Multicore
1	(0010A)	BLACK	14 GA.	J2-1	408-4001-318	
2	(0950A)	BLACK	18 GA.	S1-2	408-4001-623	
3	(0950B)	BLACK	18 GA.	S1-1	408-4001-623	
4	(0010B)	BLACK	14 GA.	J2-2	408-4001-318	
5	(0062A)	RED	14 GA.	J2-36	408-4001-318	
6	(0062B)	RED	14 GA.	J2-37	408-4001-318	
7	(0956)	BLACK/WHITE	18 GA.	J2-31	408-4001-623	
8	(0957)	BLUE/WHITE	18 GA.	J2-35	408-4001-623	
9				408-4001-882		
10				408-4001-882		
11				408-4001-882		
12	(0966)	GRAY	18 GA.	J2-28	408-4001-623	
13	(0967)	BROWN	18 GA.	J2-23	408-4001-623	
14				408-4001-882		
15				408-4001-882		
16				408-4001-882		
17				408-4001-882		
18	(0947)	BLACK/WHITE	18 GA.	J2-14	408-4001-623	
19	(0946)	BLUE	18 GA.	J2-24	408-4001-623	
20				408-4001-882		
21				408-4001-882		
22	(0963)	RED	16 GA.	J2-22	408-4001-623	
23	(0978)	BLUE/WHITE	18 GA.	J2-15	408-4001-623	
24	(0977)	BROWN/WHITE	18 GA.	J2-16	408-4001-623	
25				408-4001-882		
26				408-4001-882		
27	(0976)	WHITE/BLUE	18 GA.	J2-19	408-4001-623	
28	(0958)	VIOLET	18 GA.	J2-20	408-4001-623	
29	(0995)	GRAY	18 GA.	J2-26	408-4001-623	
30	(0996)	BROWN	18 GA.	J2-27	408-4001-623	
31				408-4001-882		
32	(0972)	RED/WHITE	18 GA.	J2-30	408-4001-623	
33	(0962)	RED	18 GA.	J2-34	408-4001-623	
34	(0960)	BLACK	18 GA.	J2-21	408-4001-318	
35				408-4001-882		
36	(0981)	GRAY	18 GA.	J2-4	408-4001-623	
37	(0983)	BROWN	18 GA.	J2-5	408-4001-623	
38	(0984)	BLUE	18 GA.	J2-6	408-4001-623	
39	(0985)	BLACK/WHITE	18 GA.	J2-7	408-4001-623	
40	(0986)	BROWN/WHITE	18 GA.	J2-8	408-4001-623	
41	(0987)	BLUE/WHITE	18 GA.	J2-9	408-4001-623	
42	(0988)	WHITE/BLACK	18 GA.	J2-10	408-4001-623	
43	(0991)	WHITE/BROWN	18 GA.	J2-11	408-4001-623	
44	(0993)	WHITE/BLUE	18 GA.	J2-12	408-4001-623	
45	(0994)	VIOLET	18 GA.	J2-13	408-4001-623	
46	(0944)	WHITE/BLACK	18 GA.	J2-17	408-4001-623	
47	(0945)	WHITE/BROWN	18 GA.	J2-18	408-4001-623	

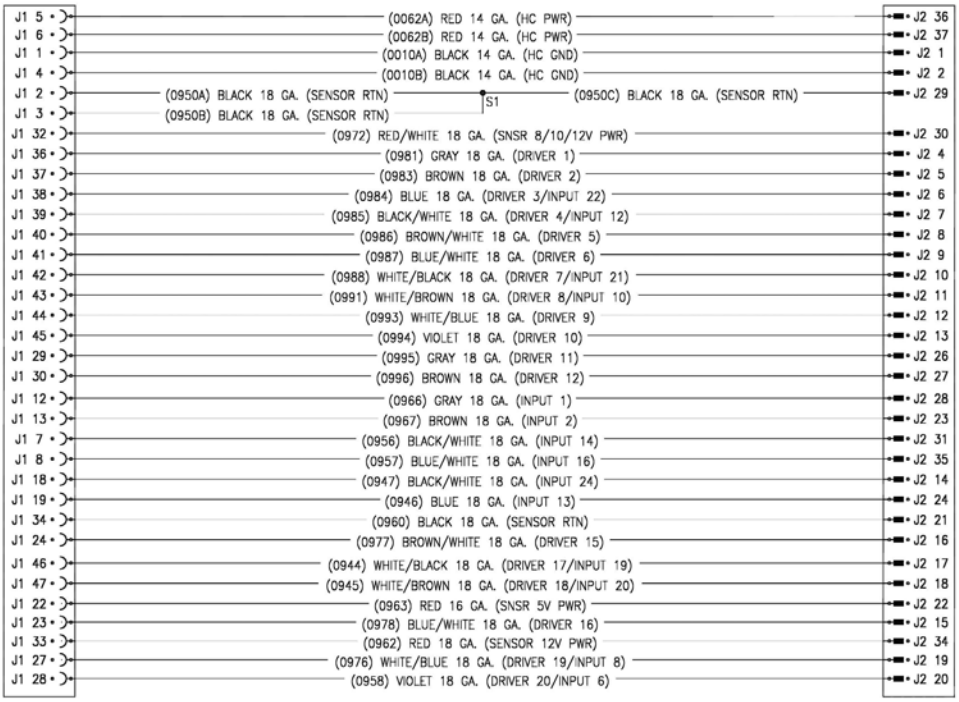
1 : 408-4002-133
1 : 408-4001-803
1 : CABLE-TIE

J2

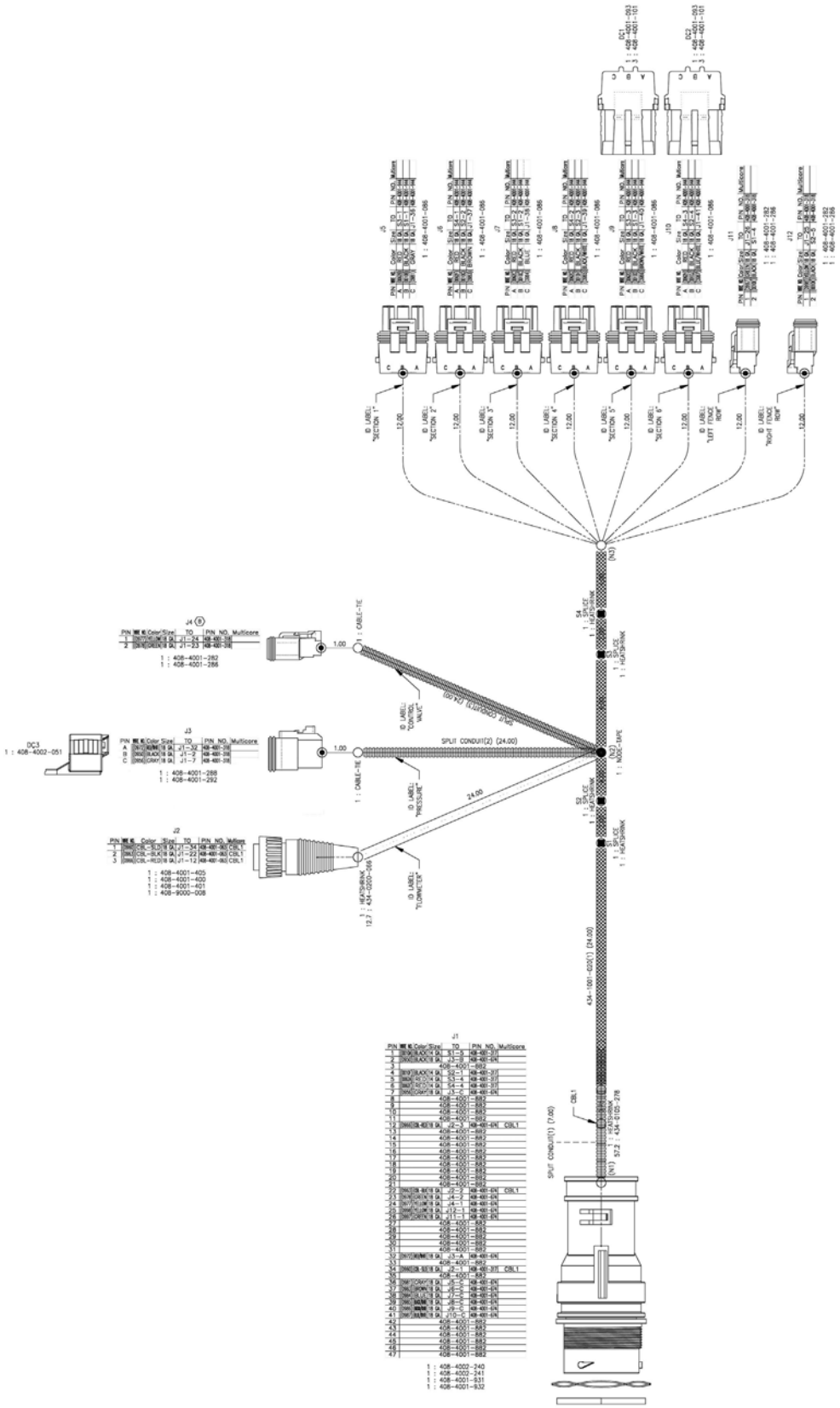
PIN	WIRE NO.	Color	Size	TO	PIN NO.	Multicore
1	(0010A)	BLACK	14 GA.	J1-1	408-4001-162	
2	(0010B)	BLACK	14 GA.	J1-4	408-4001-162	
3						
4	(0981)	GRAY	18 GA.	J1-36	408-4001-162	
5	(0983)	BROWN	18 GA.	J1-37	408-4001-162	
6	(0984)	BLUE	18 GA.	J1-38	408-4001-162	
7	(0985)	BLACK/WHITE	18 GA.	J1-39	408-4001-162	
8	(0986)	BROWN/WHITE	18 GA.	J1-40	408-4001-162	
9	(0987)	BLUE/WHITE	18 GA.	J1-41	408-4001-162	
10	(0988)	WHITE/BLACK	18 GA.	J1-42	408-4001-162	
11	(0991)	WHITE/BROWN	18 GA.	J1-43	408-4001-162	
12	(0993)	WHITE/BLUE	18 GA.	J1-44	408-4001-162	
13	(0994)	VIOLET	18 GA.	J1-45	408-4001-162	
14	(0947)	BLACK/WHITE	18 GA.	J1-18	408-4001-162	
15	(0978)	BLUE/WHITE	18 GA.	J1-23	408-4001-162	
16	(0977)	BROWN/WHITE	18 GA.	J1-24	408-4001-162	
17	(0944)	WHITE/BLACK	18 GA.	J1-46	408-4001-162	
18	(0945)	WHITE/BROWN	18 GA.	J1-47	408-4001-162	
19	(0976)	WHITE/BLUE	18 GA.	J1-27	408-4001-162	
20	(0958)	VIOLET	18 GA.	J1-28	408-4001-162	
21	(0960)	BLACK	18 GA.	J1-34	408-4001-162	
22	(0963)	RED	16 GA.	J1-22	408-4001-162	
23	(0967)	BROWN	18 GA.	J1-13	408-4001-162	
24	(0946)	BLUE	18 GA.	J1-19	408-4001-162	
25						
26	(0995)	GRAY	18 GA.	J1-29	408-4001-162	
27	(0996)	BROWN	18 GA.	J1-30	408-4001-162	
28	(0966)	GRAY	18 GA.	J1-12	408-4001-162	
29	(0950C)	BLACK	18 GA.	S1-3	408-4001-162	
30	(0972)	RED/WHITE	18 GA.	J1-32	408-4001-162	
31	(0956)	BLACK/WHITE	18 GA.	J1-7	408-4001-162	
32						
33						
34	(0962)	RED	18 GA.	J1-33	408-4001-162	
35	(0957)	BLUE/WHITE	18 GA.	J1-8	408-4001-162	
36	(0062A)	RED	14 GA.	J1-5	408-4001-162	
37	(0062B)	RED	14 GA.	J1-6	408-4001-162	

1 : 408-4001-563
1 : 408-4001-037
1 : PERIPHERAL SEAL GREASE
1 : 408-4001-036
1 : ENCAPSULATE-POTTING

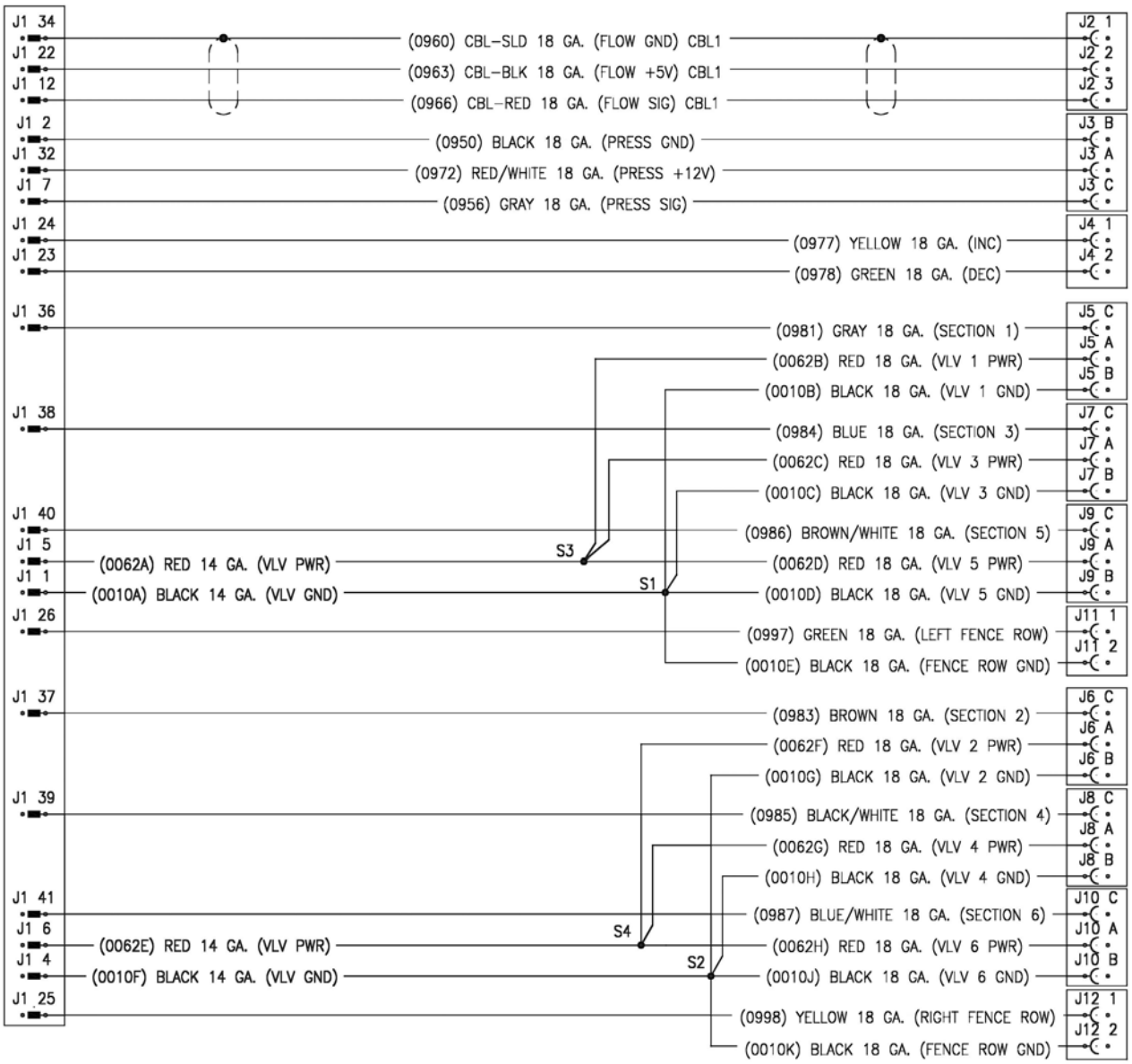




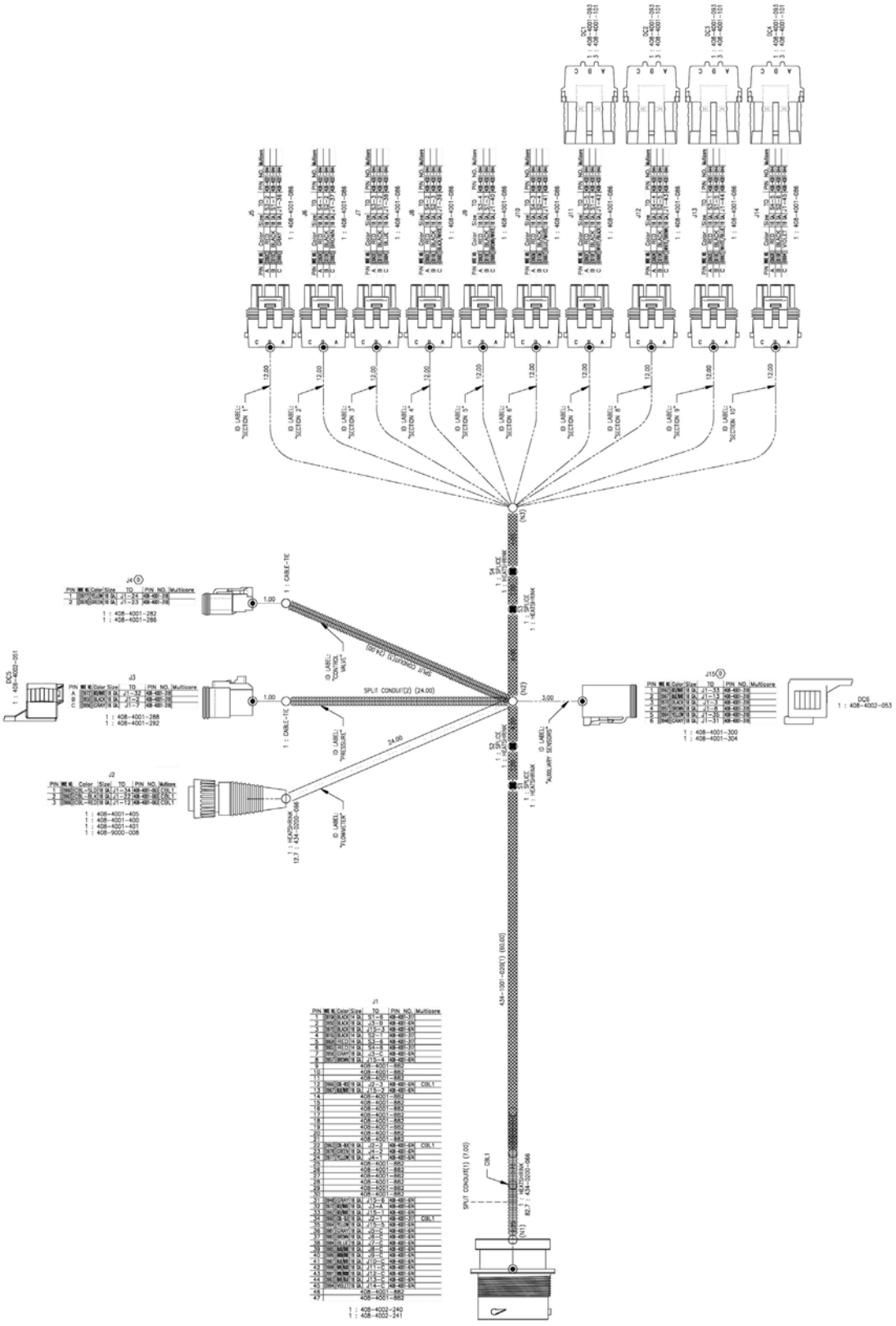
Product Cable, 47 Pin, 6 Section, Liquid, FAST, Center Mount (632077)



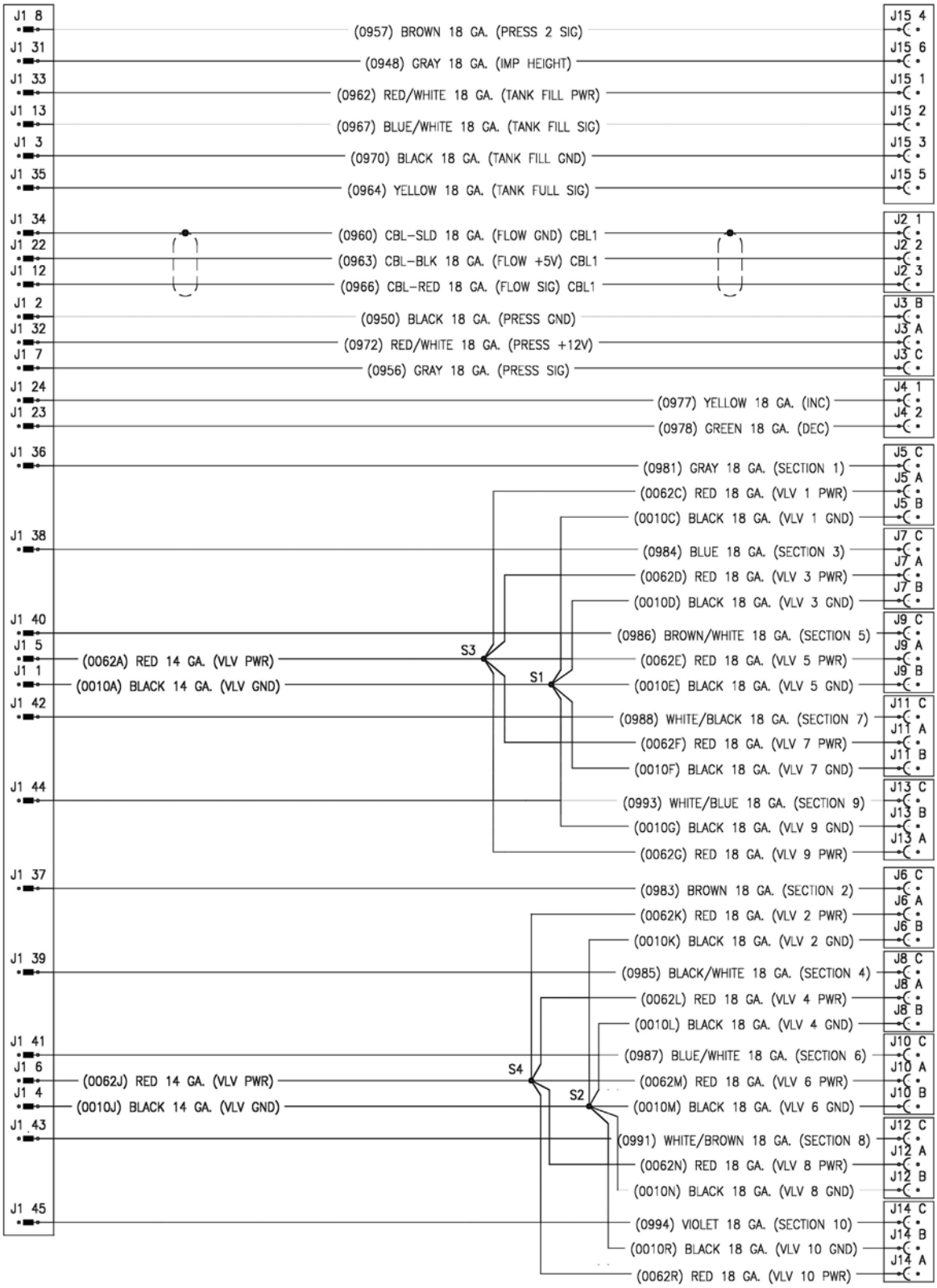
Product Cable, 47 Pin, 6 Section, Liquid, FAST, Center Mount (632077)



Product Cable, 47 Pin, 10 Section, Liquid, FAST 6'(632078)

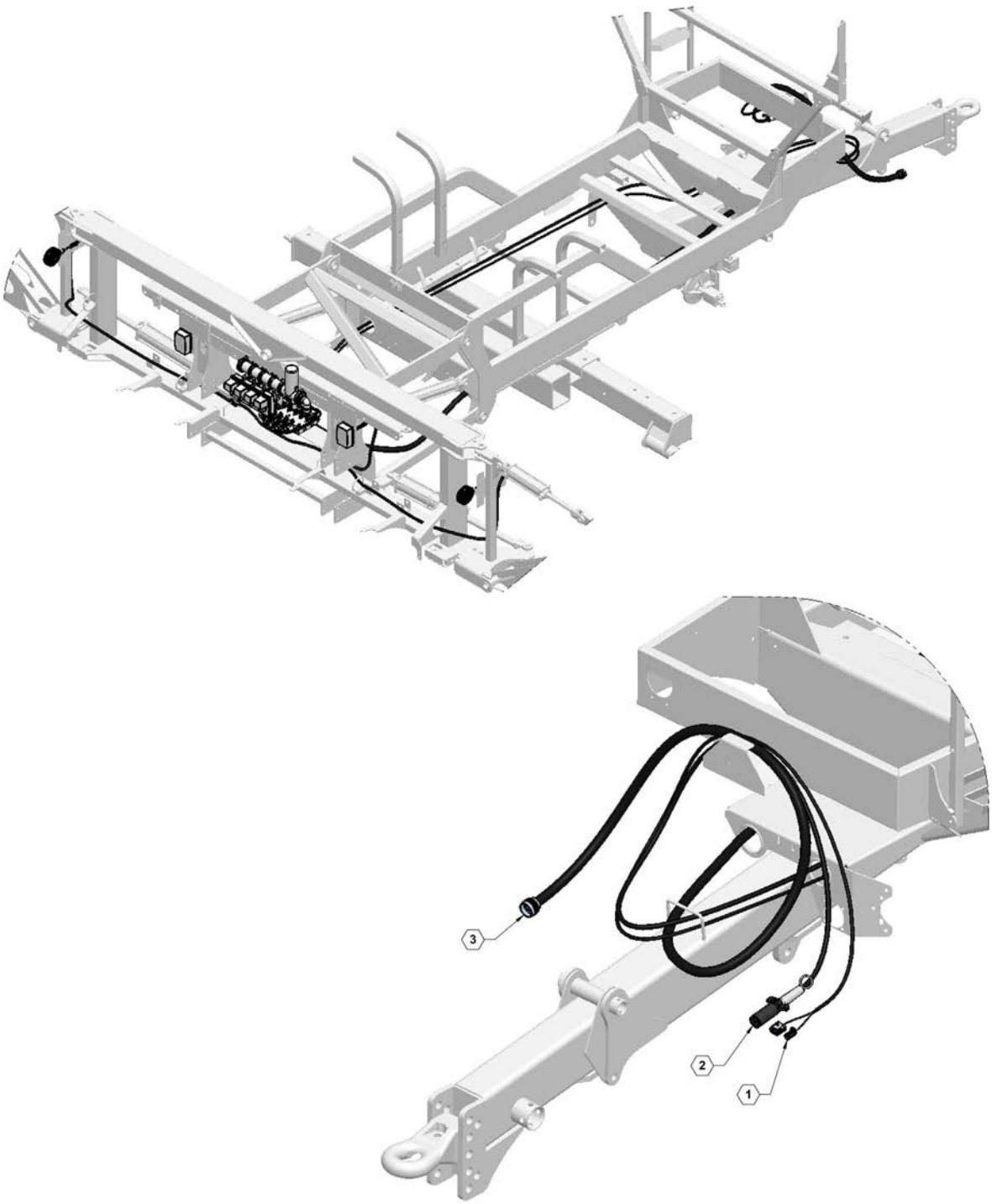


Product Cable, 47 Pin, 10 Section, Liquid, FAST 6'(632078)



9500TF Harness Identification & Location

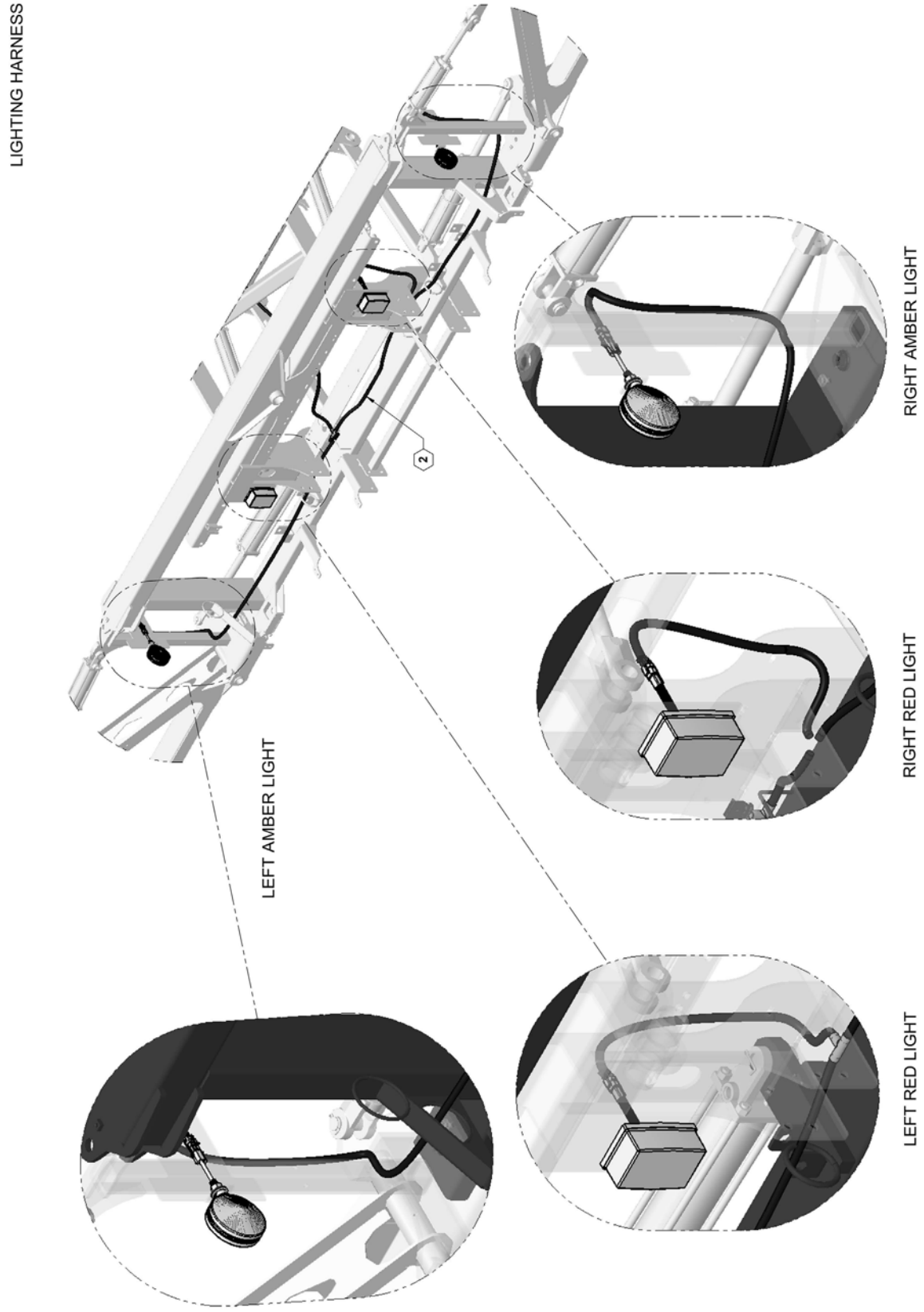
9613TF-80 HARNESS I.D. & LOCATION



9613TF Harness Identification & Location Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	319-668	1	FOLD HARNESS, 60' - 66' BOOMS
1	319-724	1	FOLD HARNESS, 80', 90' & 100' BOOMS
2	740035	1	LIGHTING HARNESS
3	632077	1	PRODUCT CONTROL HARNESS, 6 SECTION
3	632078	1	PRODUCT CONTROL HARNESS, 10 SECTION

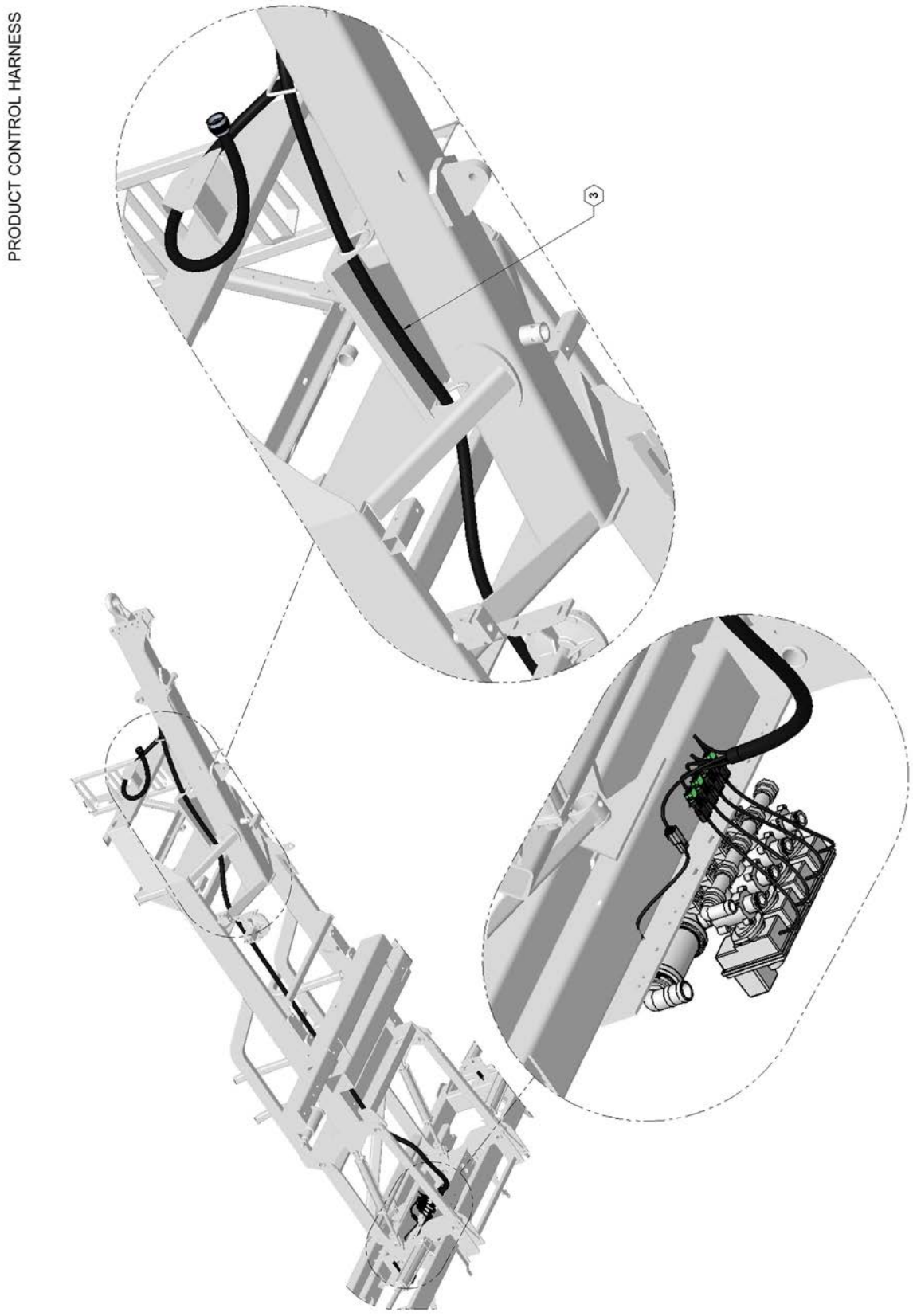
Lighting Harness Routing



Lighting Harness Routing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	319-668	1	FOLD HARNESS, 60' - 66' BOOMS
1	319-724	1	FOLD HARNESS, 80', 90' & 100' BOOMS
2	740035	1	LIGHTING HARNESS
3	632077	1	PRODUCT CONTROL HARNESS, 6 SECTION
3	632078	1	PRODUCT CONTROL HARNESS, 10 SECTION

Product Control Harness Routing

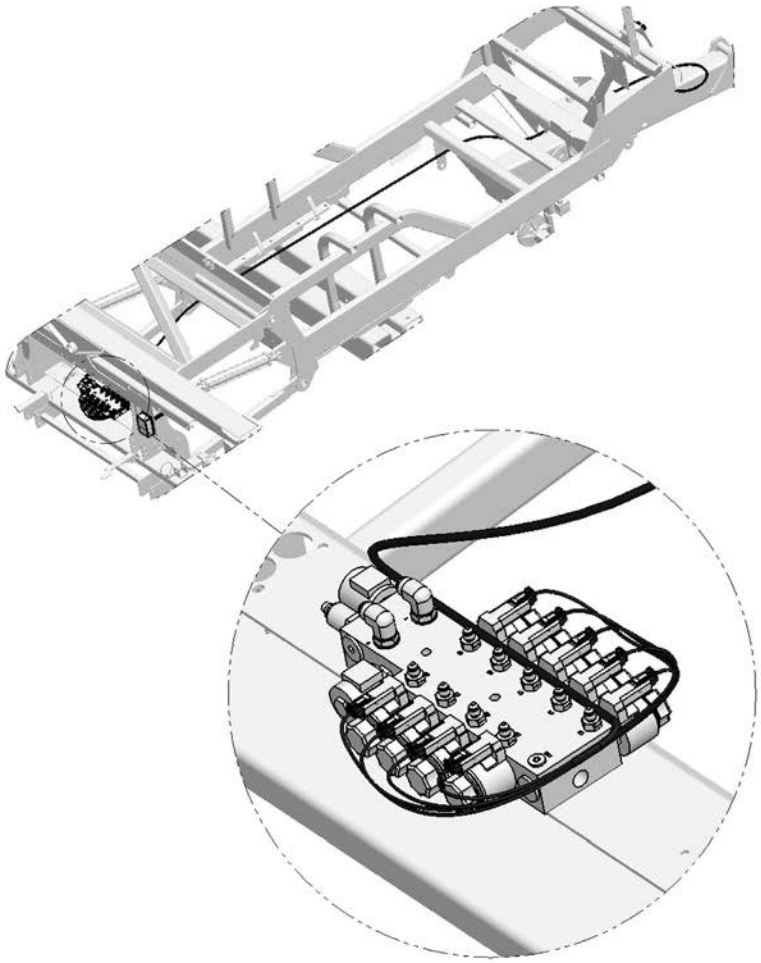


Product Control Harness Routing Parts List

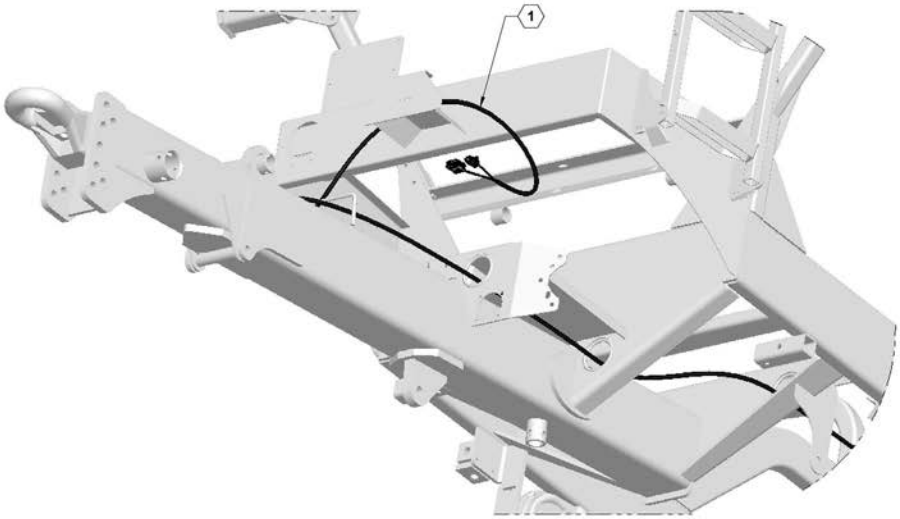
ITEM	PART NO.	QTY.	DESCRIPTION
1	319-668	1	FOLD HARNESS, 60' - 66' BOOMS
1	319-724	1	FOLD HARNESS, 80', 90' & 100' BOOMS
2	740035	1	LIGHTING HARNESS
3	632077	1	PRODUCT CONTROL HARNESS, 6 SECTION
3	632078	1	PRODUCT CONTROL HARNESS, 10 SECTION

Fold Harness Routing

FOLD HARNESS



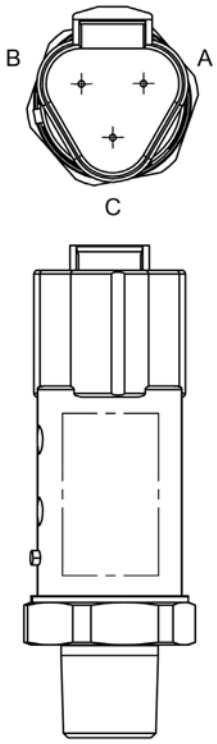
FOLD BLOCK



Fold Harness Routing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	319-668	1	FOLD HARNESS, 60' - 66' BOOMS
1	319-724	1	FOLD HARNESS, 80', 90' & 100' BOOMS
2	740035	1	LIGHTING HARNESS
3	632077	1	PRODUCT CONTROL HARNESS, 6 SECTION
3	632078	1	PRODUCT CONTROL HARNESS, 10 SECTION

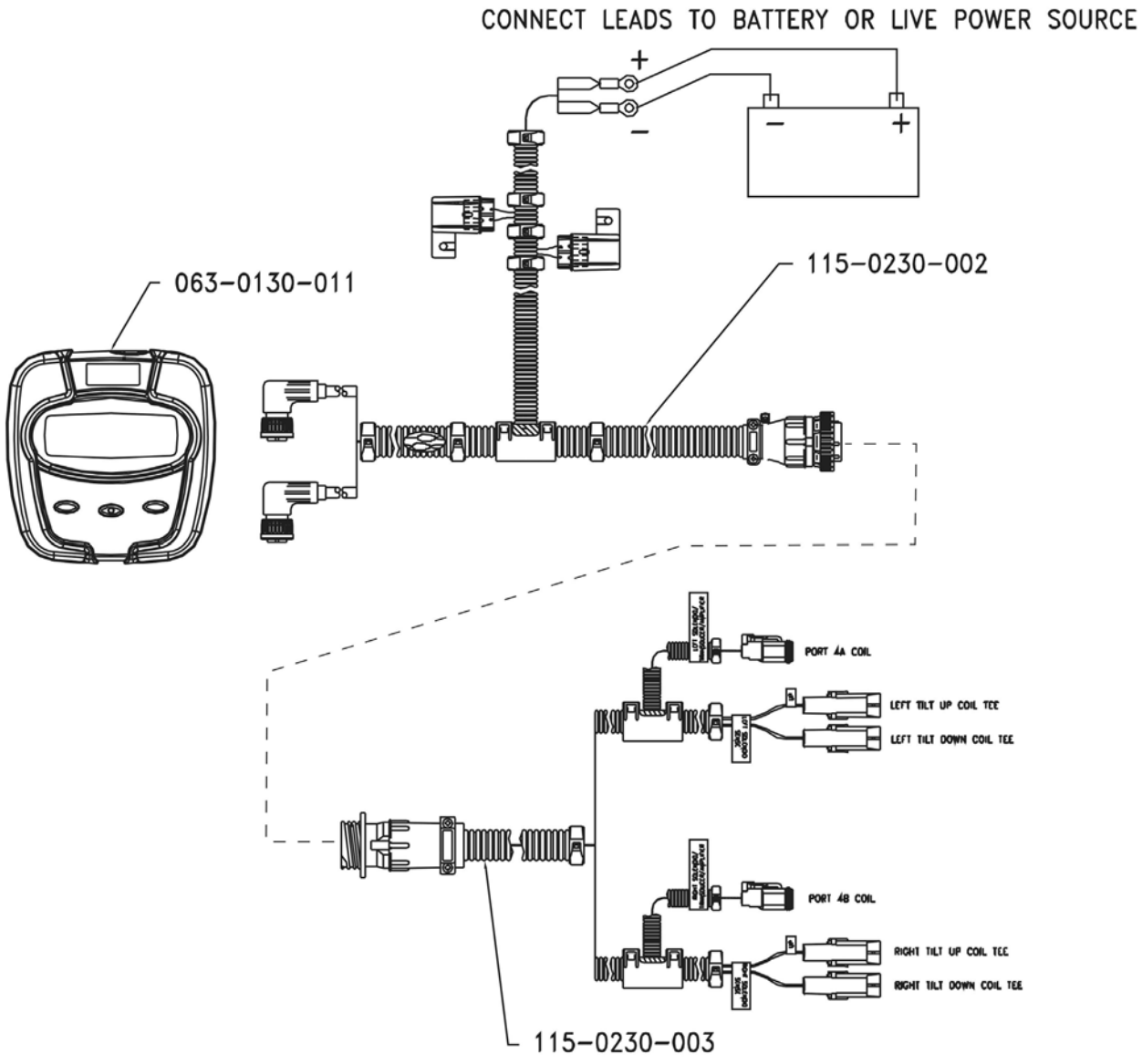
Pressure Transducer Kit



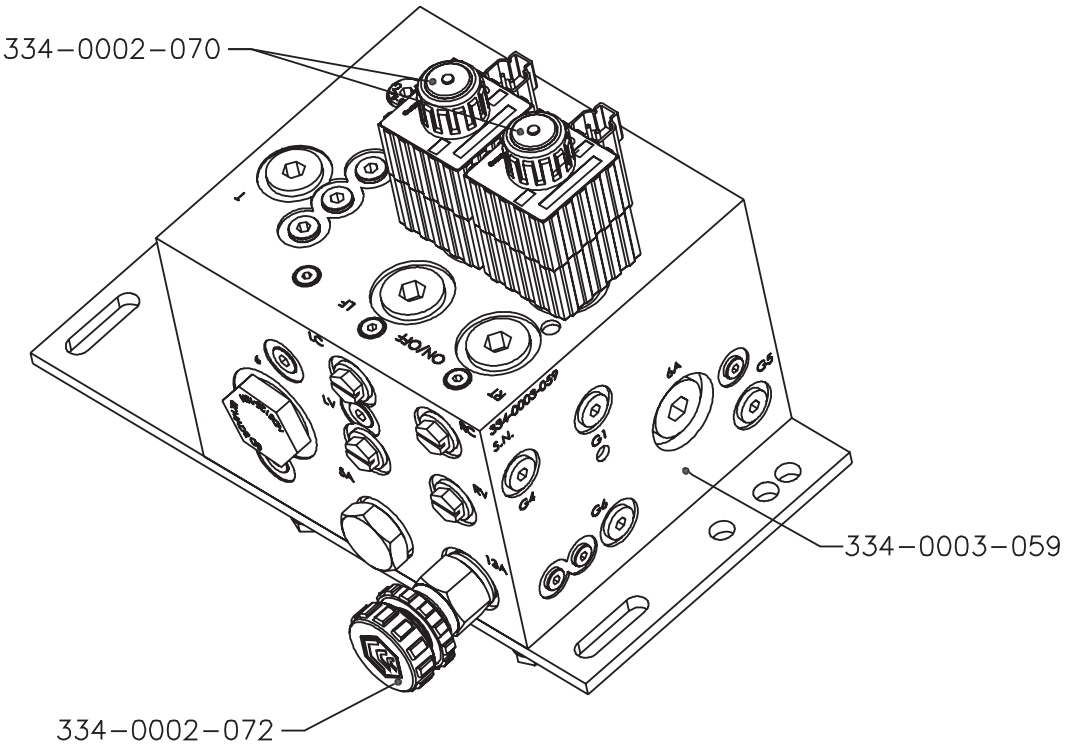
Pressure Transducer Kit Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
	530400	1	TEE: 1/4" FPT, POLY
	530401	1	NIPPLE: 1/4 X 1/4" MPT, POLY
	632036	1	PRESSURE TRANSDUCER 1-5V 0-250

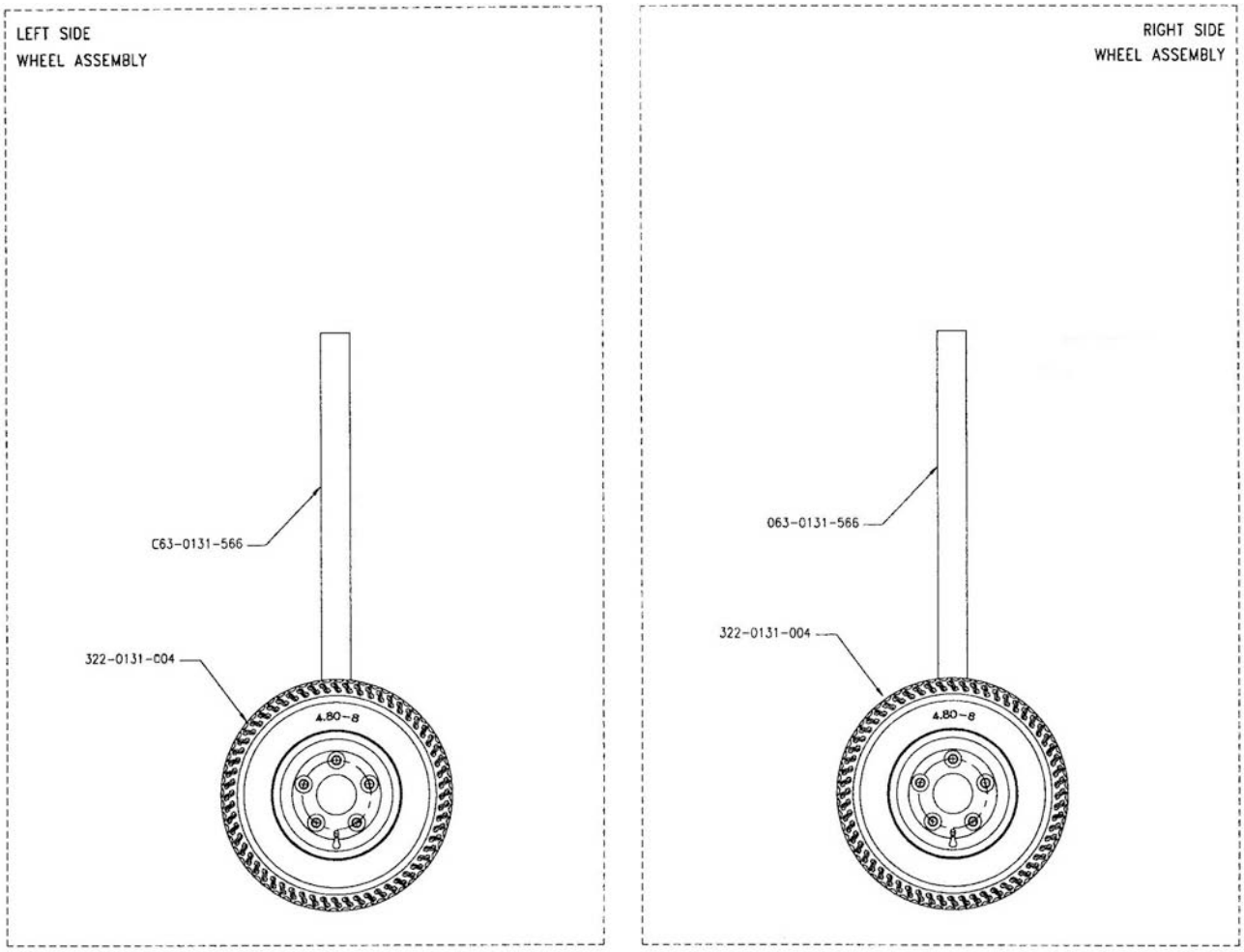
Powerglide Wiring Schematic



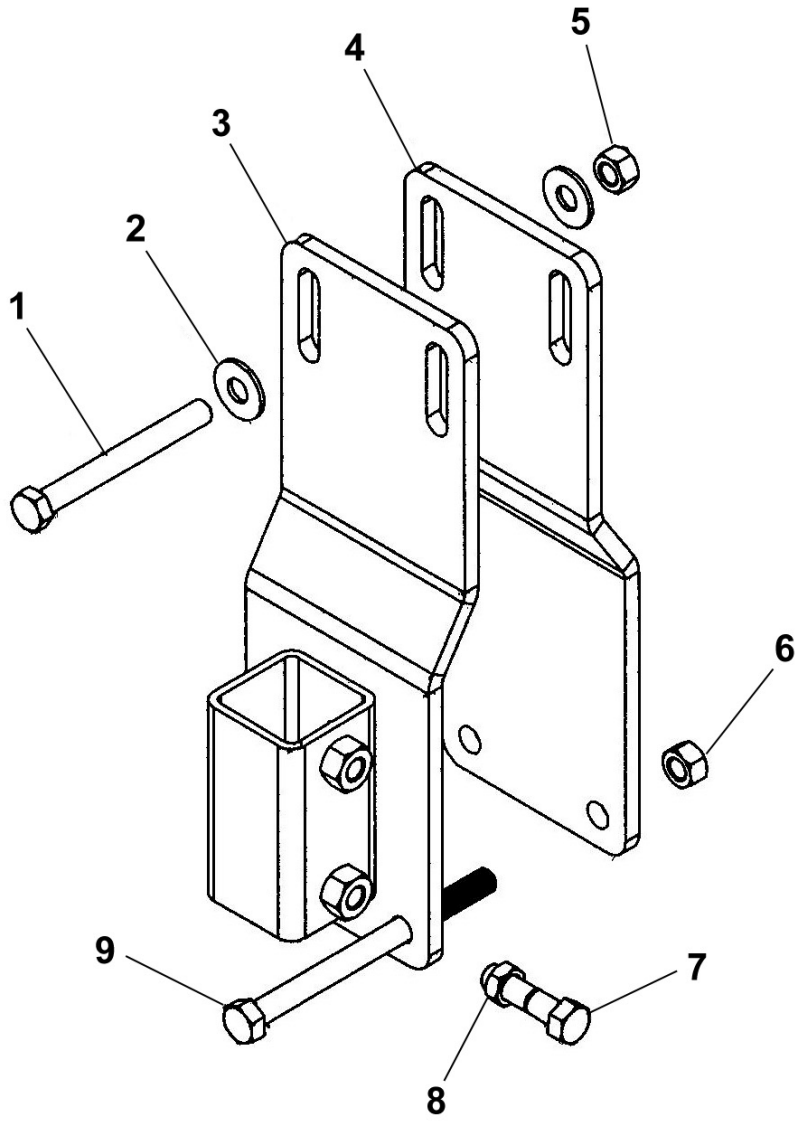
Powerglide Hydraulic Block



Powerglide Solid Axle



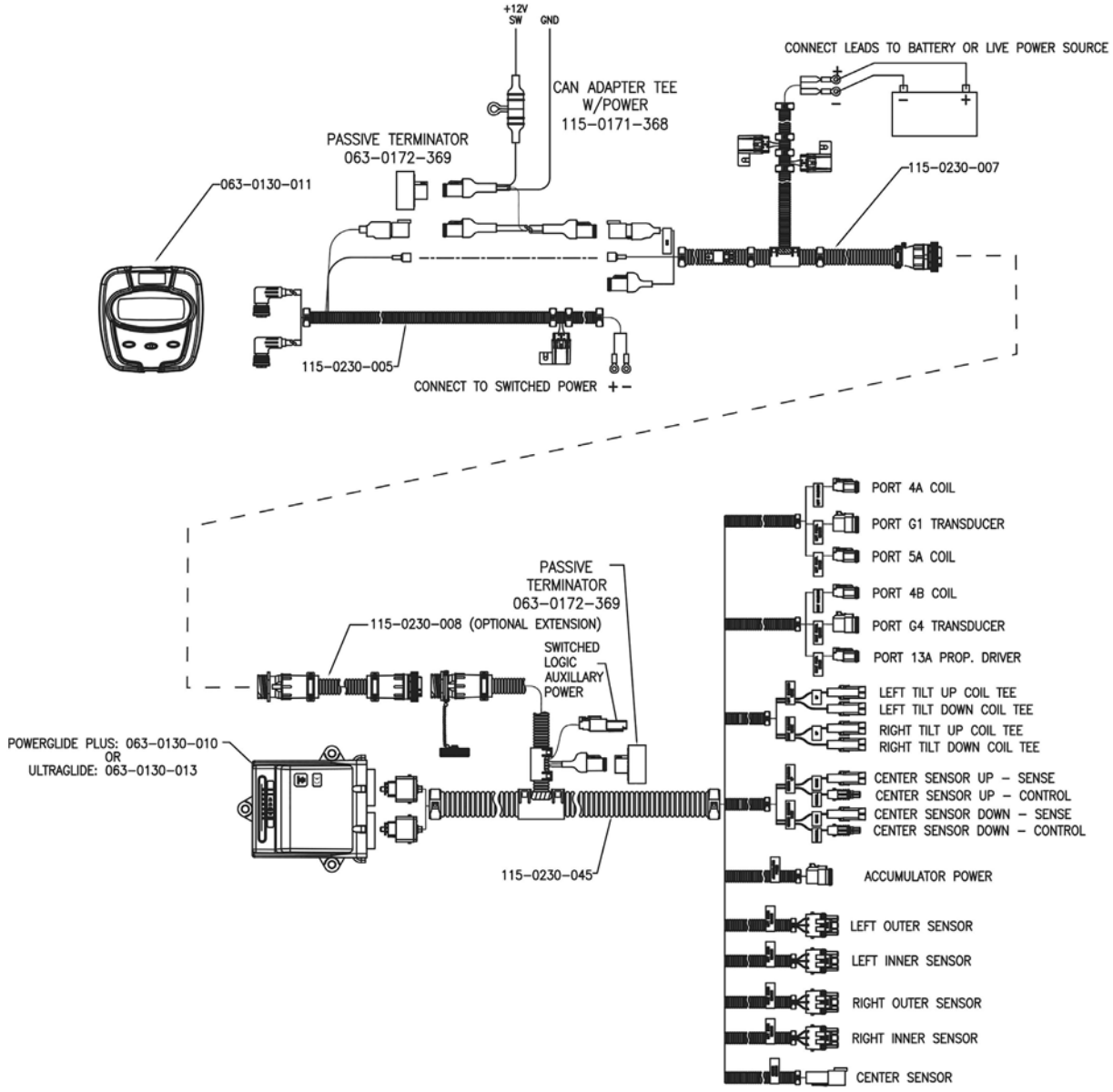
Powerglide & Powerglide Plus Mounting Brackets



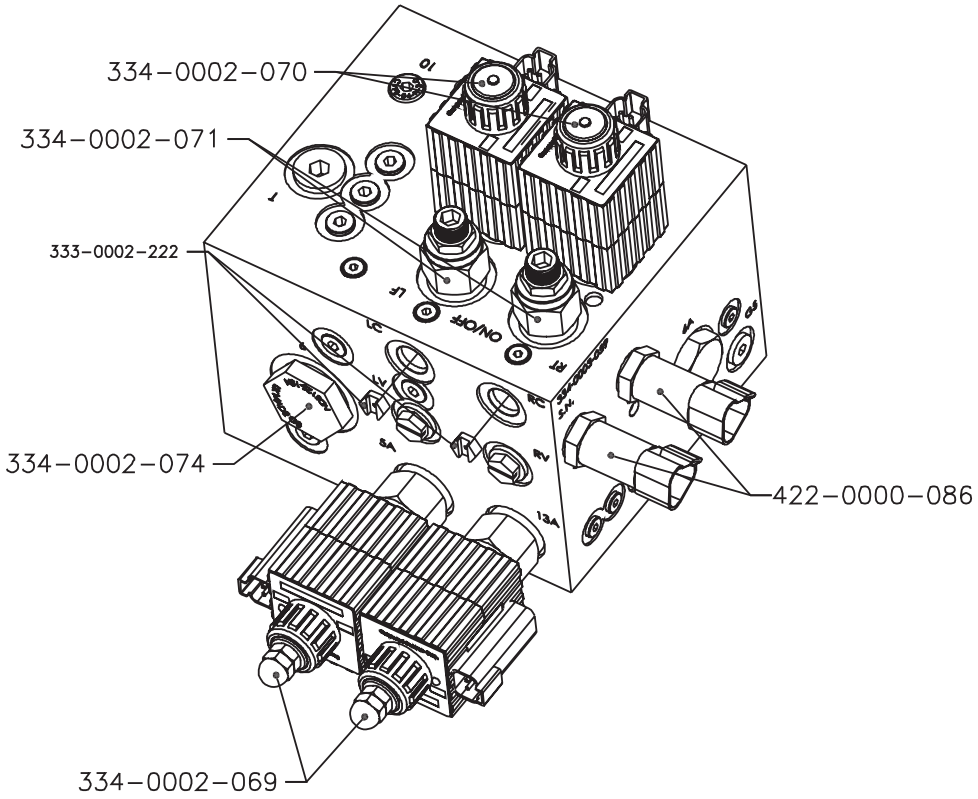
Powerglide & Powerglide Plus Mounting Brackets Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	159	2	Bolt Hex, 1/2 x 4-1/2" GR5 Zp
2	260	2	Washer Flat 1/2'' Zp
3	14670BLK	1	Raven Touch Wheel Mount
4	14668BLK	1	Raven Back Touch Plate
5	215	2	Nut Hex Heavy 1/2"
6	239	2	Nut Nut 1/2" Centerlock
7	154	1	Bolt Hex, 1/2 x 2" GR5 Zp
8	223	1	Nut Hex Jam 1/2"
9	163	2	Bolt Hex, 1/2 x 6-1/2" GR5 Zp

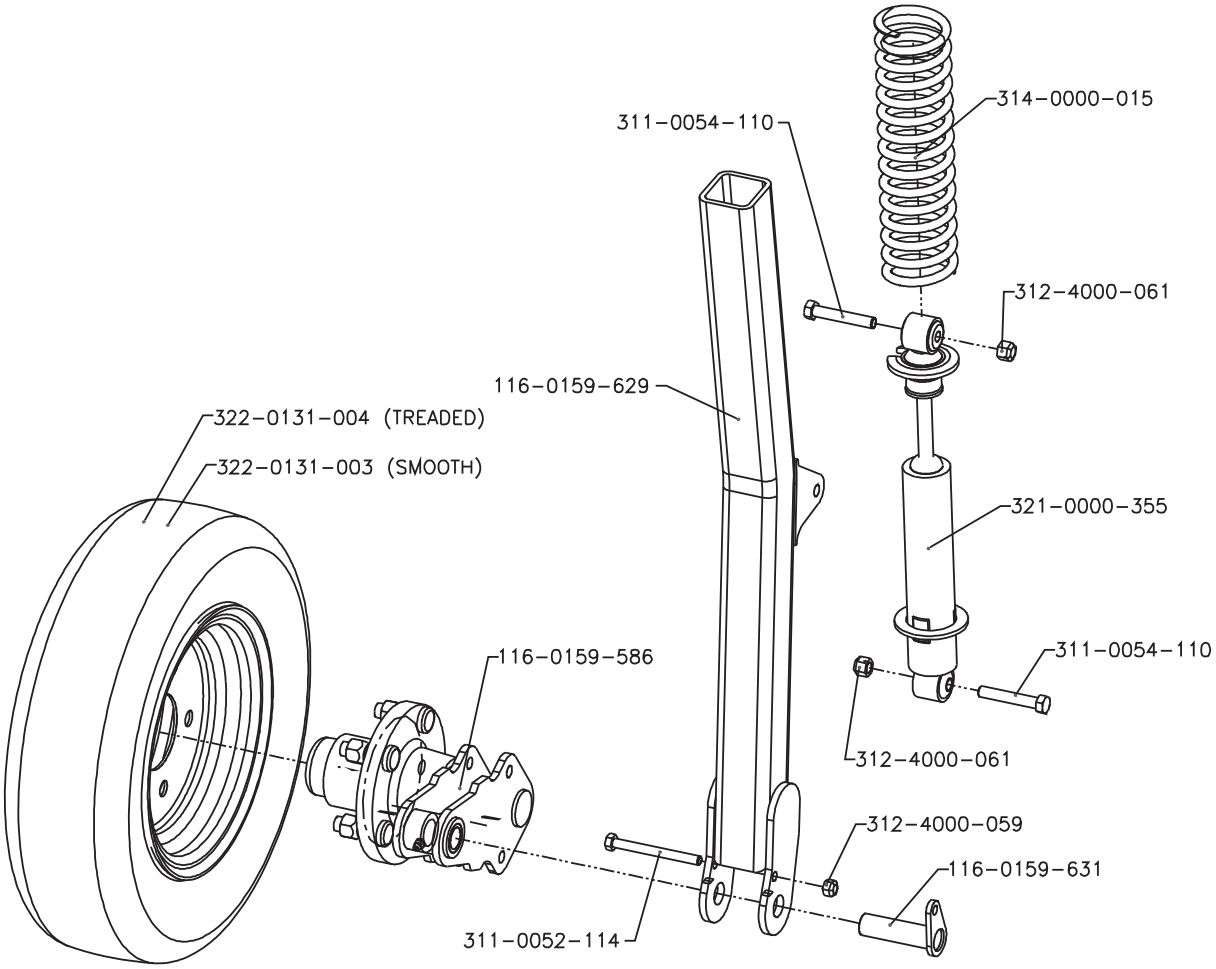
Powerglide Plus Wiring Schematic



Powerglide Plus Hydraulic Block

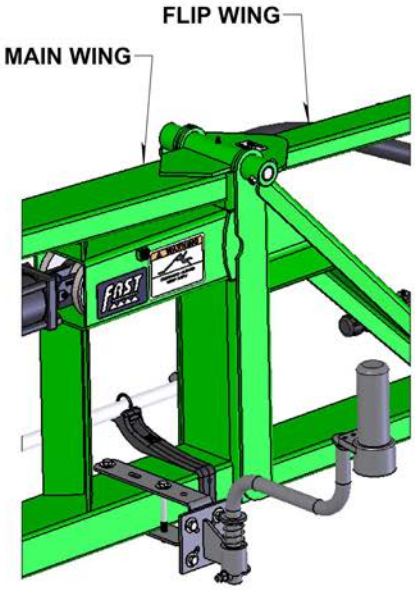


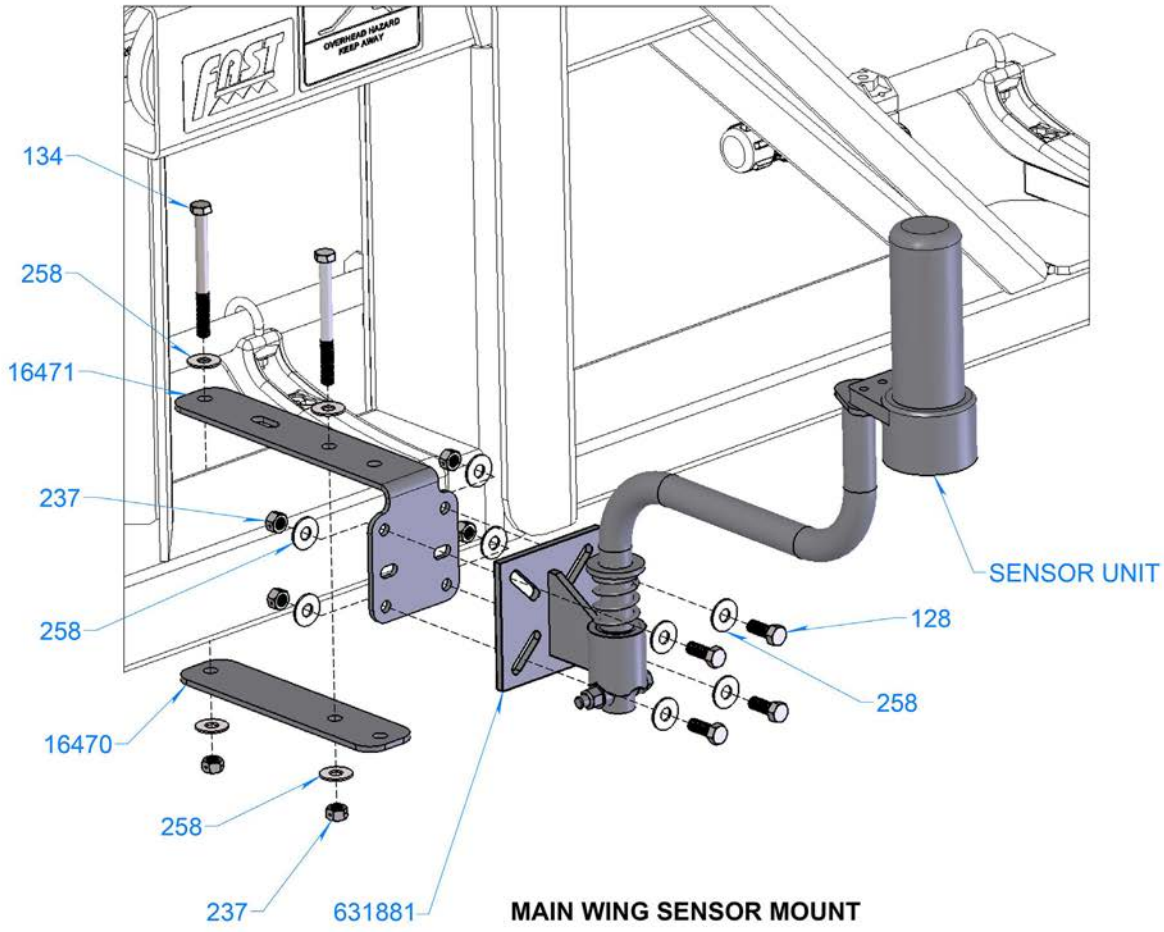
Powerglide Plus Cushioned Axle



FAST GLOBAL
SOLUTIONS

Raven Sensor Mounts



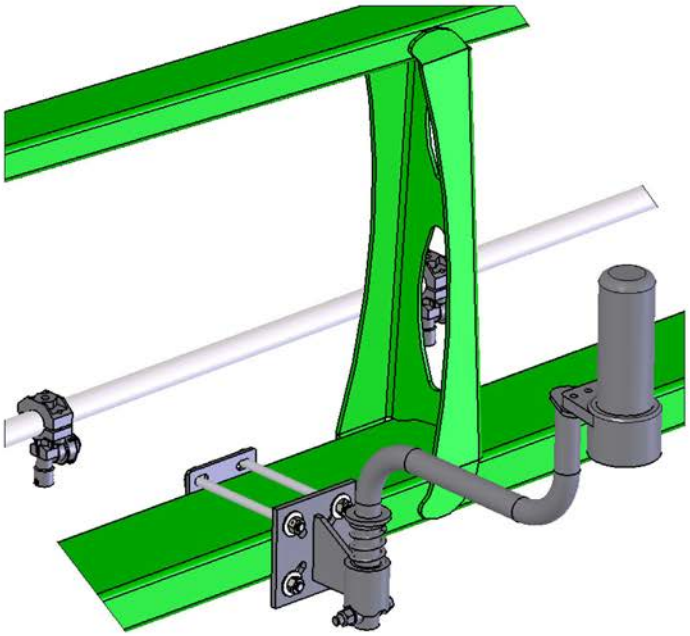


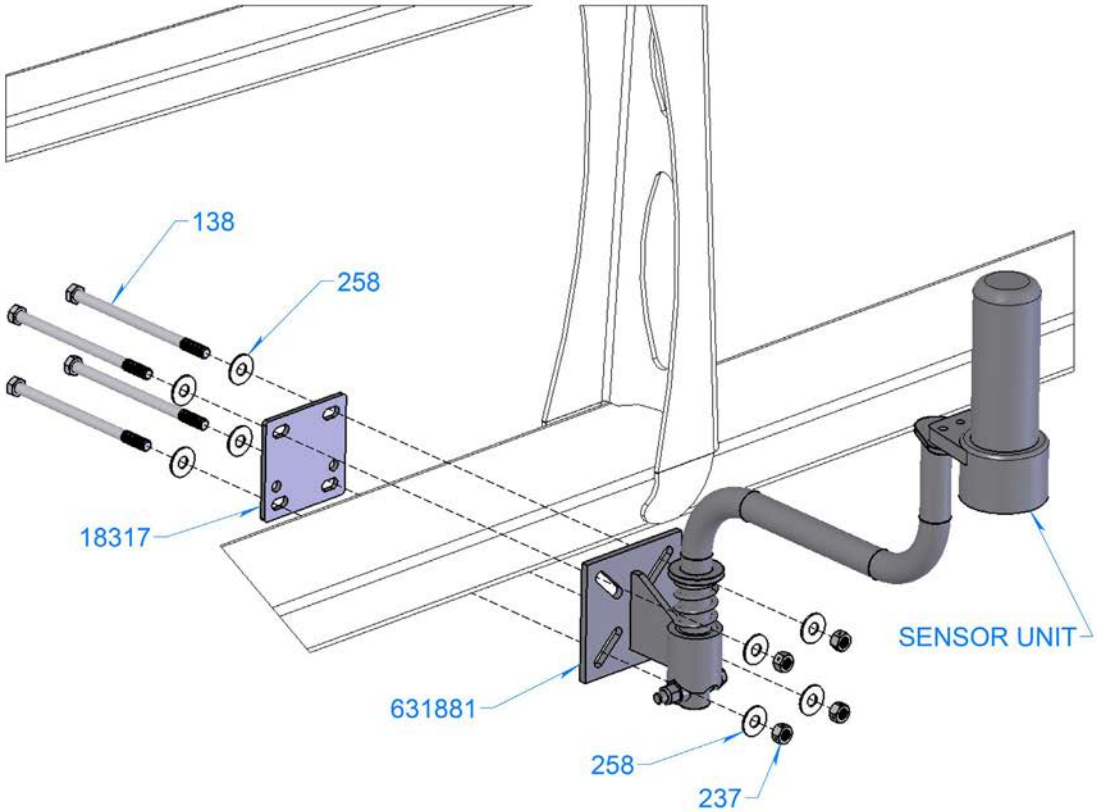
MAIN WING SENSOR MOUNT

Raven Sensor Mounts Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
		128	4	BOLT, HH 3/8-16 X 1 GR5 ZP
		134	2	BOLT, HH 3/8-16 X 4 GR5 ZP
		237	6	Nut, 3/8-16 Centerlock
		258	12	3/8" flat washer
		16470	1	PLATE, BACKING, MOUNT
		16471	1	MOUNT, AUTO BOOM, RAVEN
		631881	1	RAVEN BRACKET SENSOR MOUNT
	RA0630130026		1	AUTO HEIGHT SENSOR

Raven Sensor Mounts





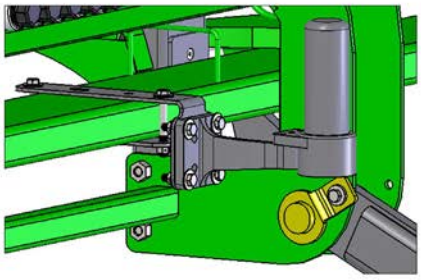
WET BOOM ASSEMBLY NOT SHOWN FOR CLARITY

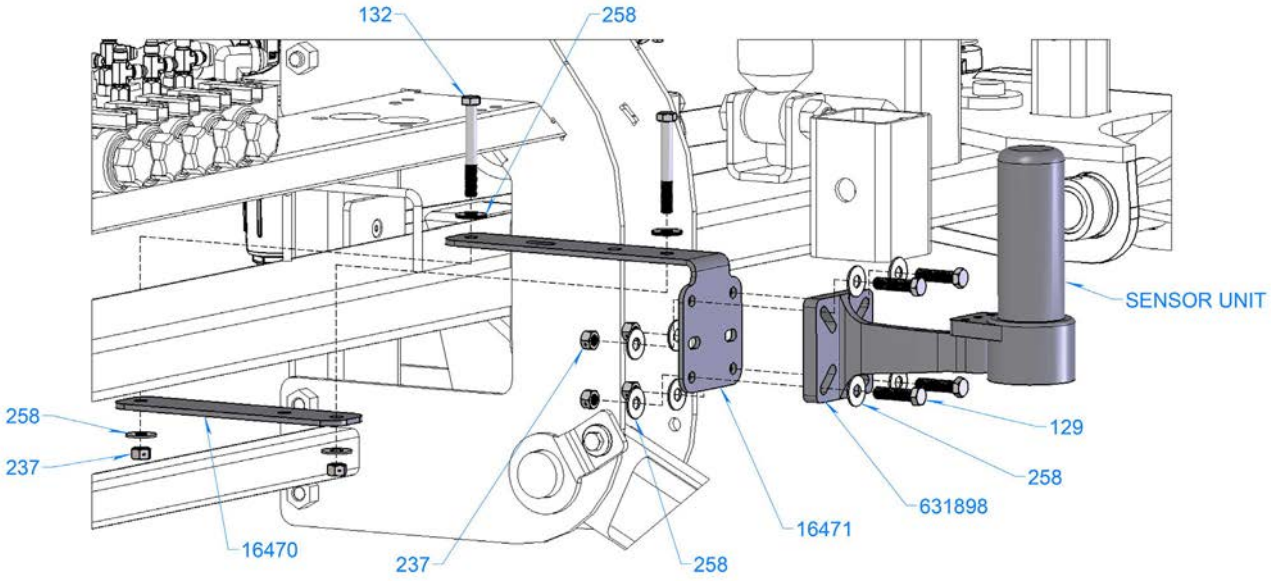
FLIP WING SENSOR MOUNT

Raven Sensor Mounts Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
		138	4	BOLT, HH 3/8-16 X6 GR5 ZP
		237	4	Nut, 3/8-16 Centerlock
		258	8	3/8" flat washer
		18317	1	PLATE, BACKING
		631881	1	RAVEN BRACKET SENSOR MOUNT
	RA0630130026		1	AUTO HEIGHT SENSOR

Raven Sensor Mounts





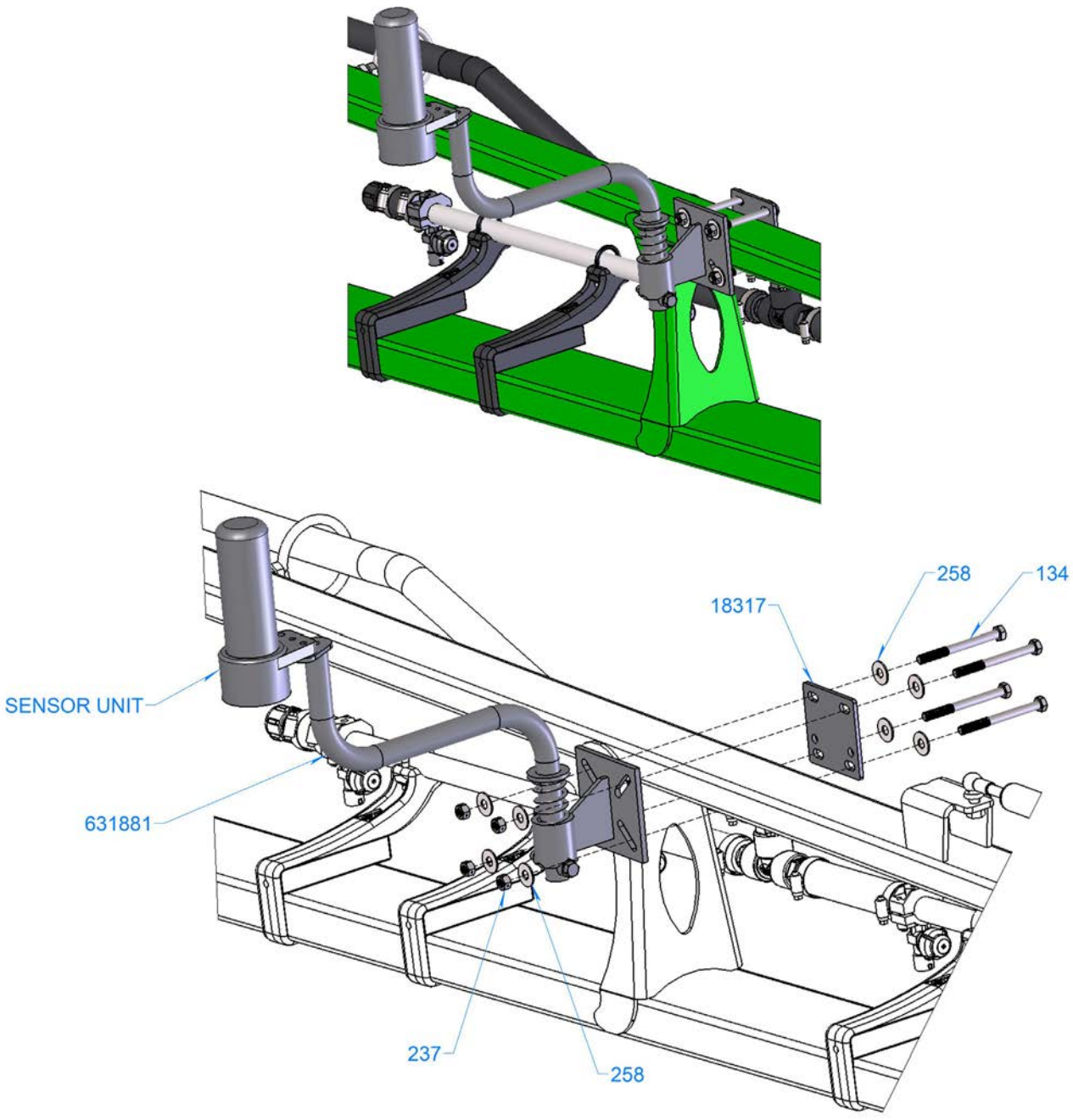
PARTIAL REAR VIEW AT CENTER SECTION

CENTER SECTION
SENSOR MOUNT

Raven Sensor Mounts Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
		129	4	BOLT, HH 3/8-16 x 1-1/2 GR5 ZP
		132	2	BOLT, HH 3/8-16 X 3 GR5 ZP
		237	6	Nut, 3/8-16 Centerlock
		258	12	3/8" flat washer
		16470	1	PLATE, BACKING, MOUNT
		16471	1	MOUNT, AUTO BOOM, RAVEN
		631898	1	ARM ULTRASONIC SENSOR
	RA0630130026		1	AUTO HEIGHT SENSOR

Raven Sensor Mounts

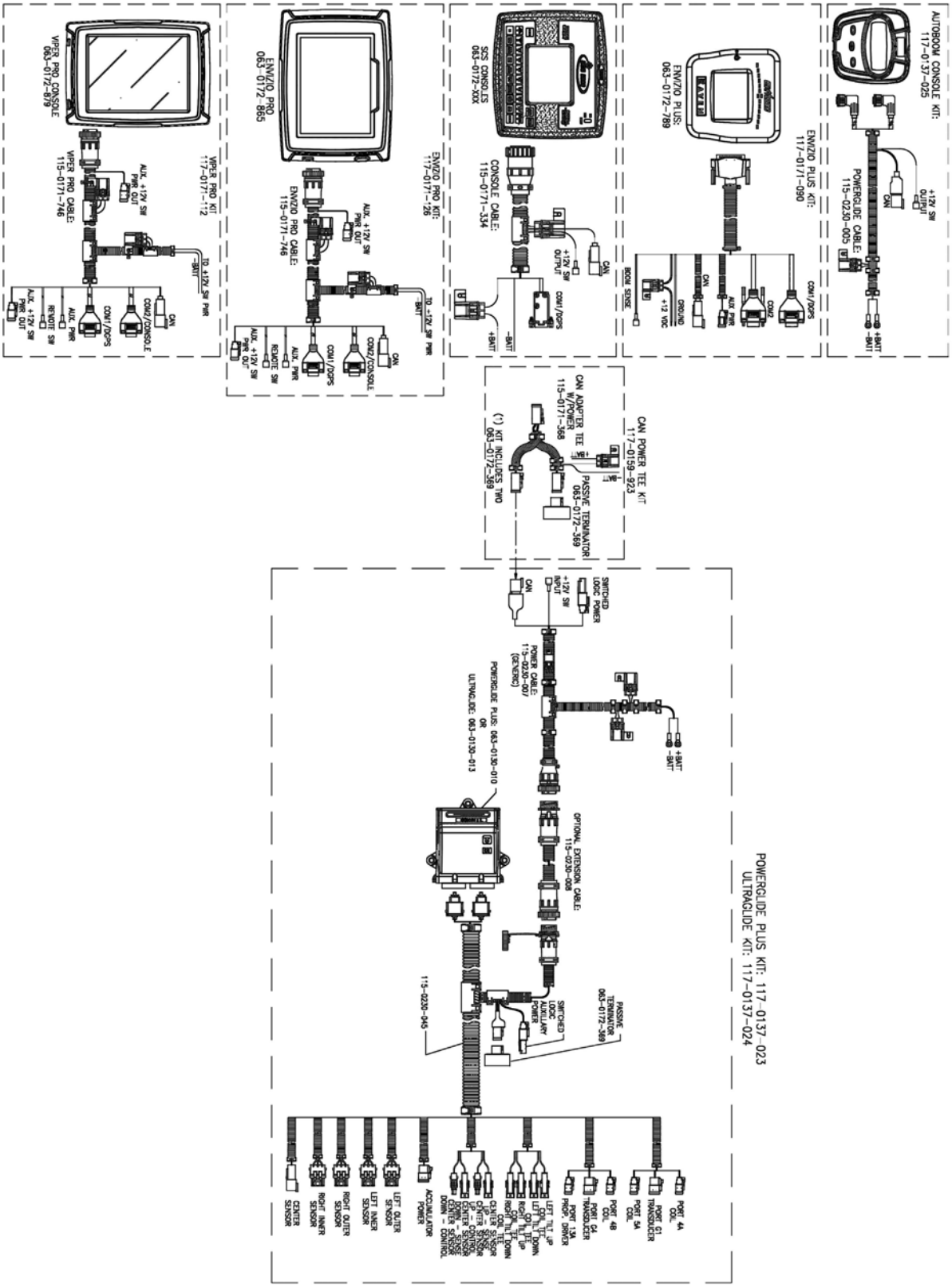


SWING WING SENSOR MOUNT

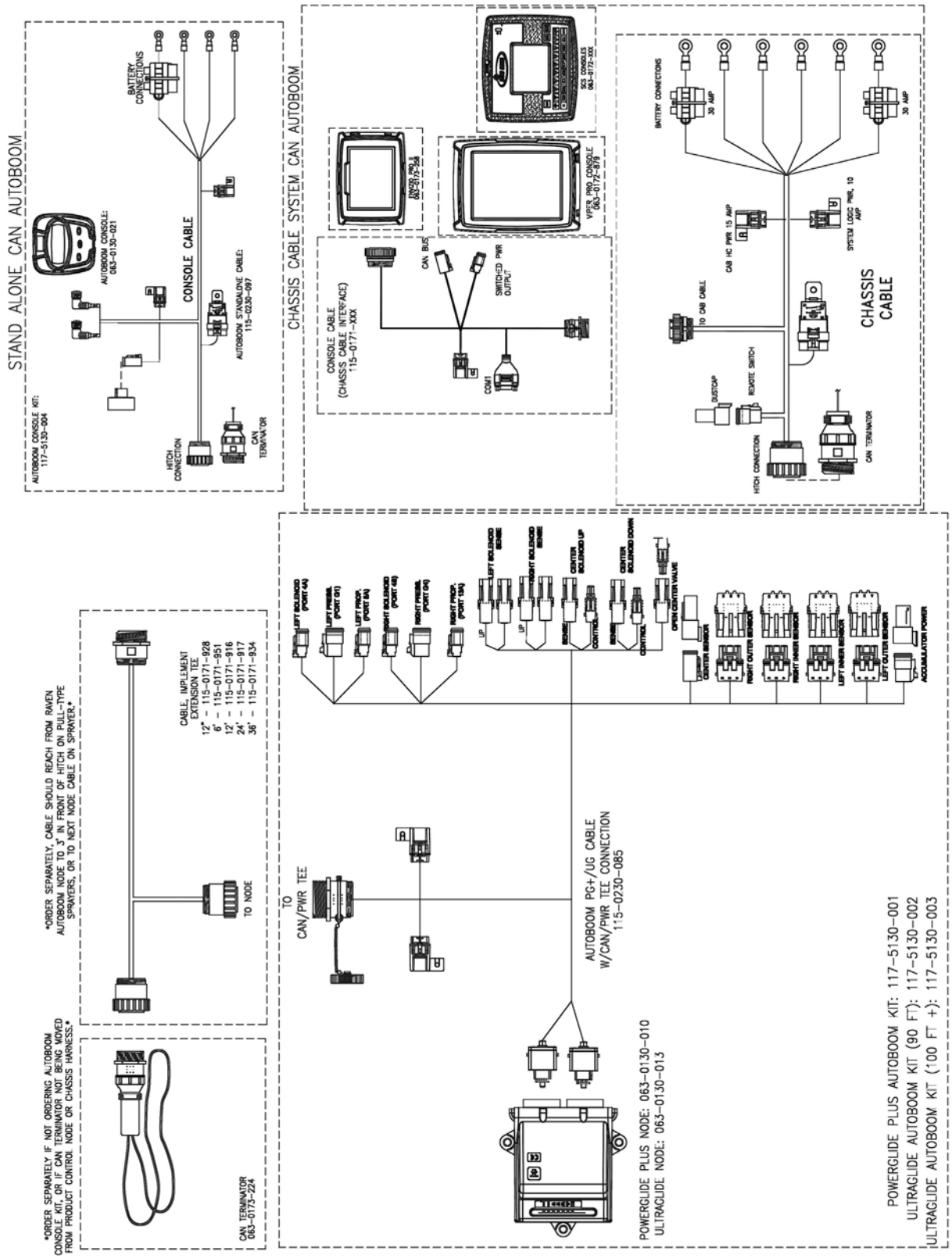
Raven Sensor Mounts Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
		134	4	BOLT, HH 3/8-16 X 4 GR5 ZP
		237	4	Nut, 3/8-16 Centerlock
		258	8	3/8" flat washer
		18317	1	PLATE, BACKING
		631881	1	RAVEN BRACKET SENSOR MOUNT
	RA0630130026		1	AUTO HEIGHT SENSOR

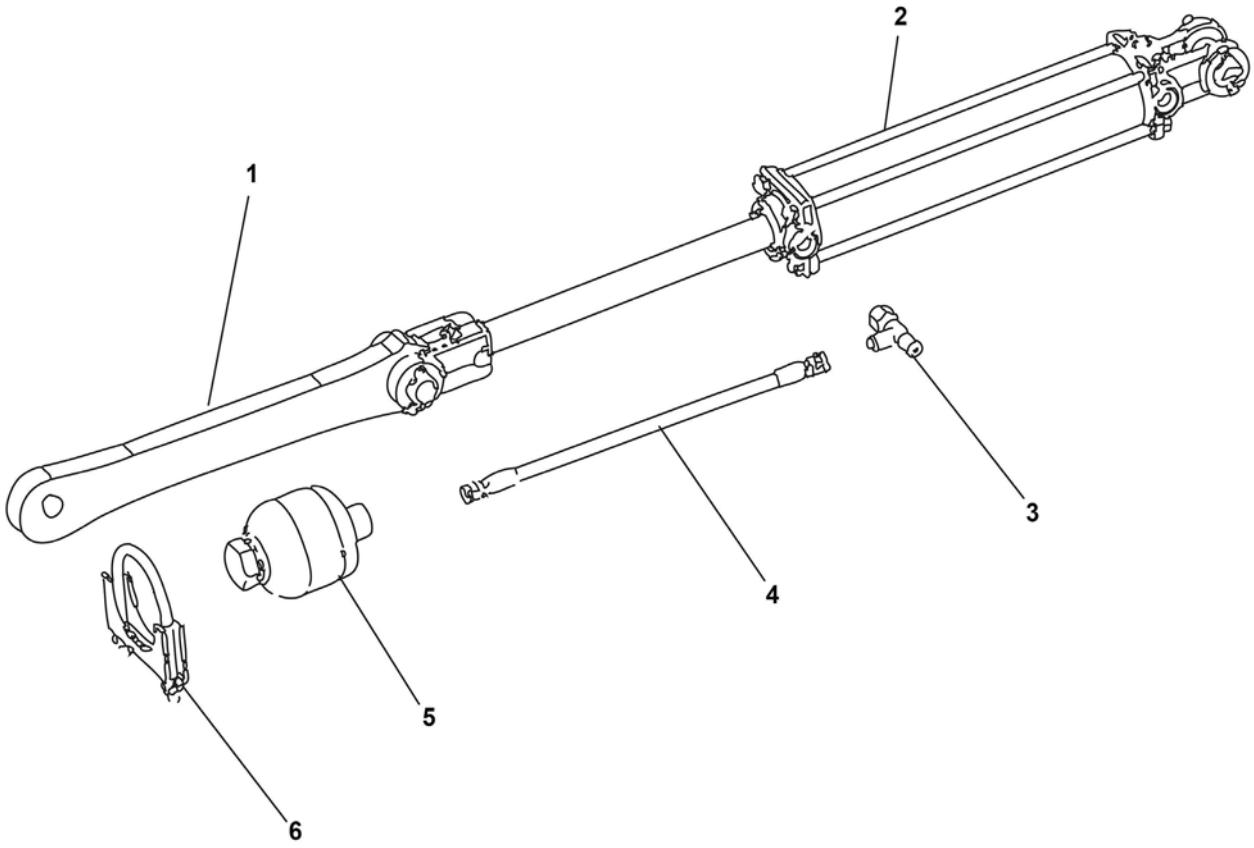
Raven UltraGlide Gen I Wiring



Raven UltraGlide Gen II Wiring



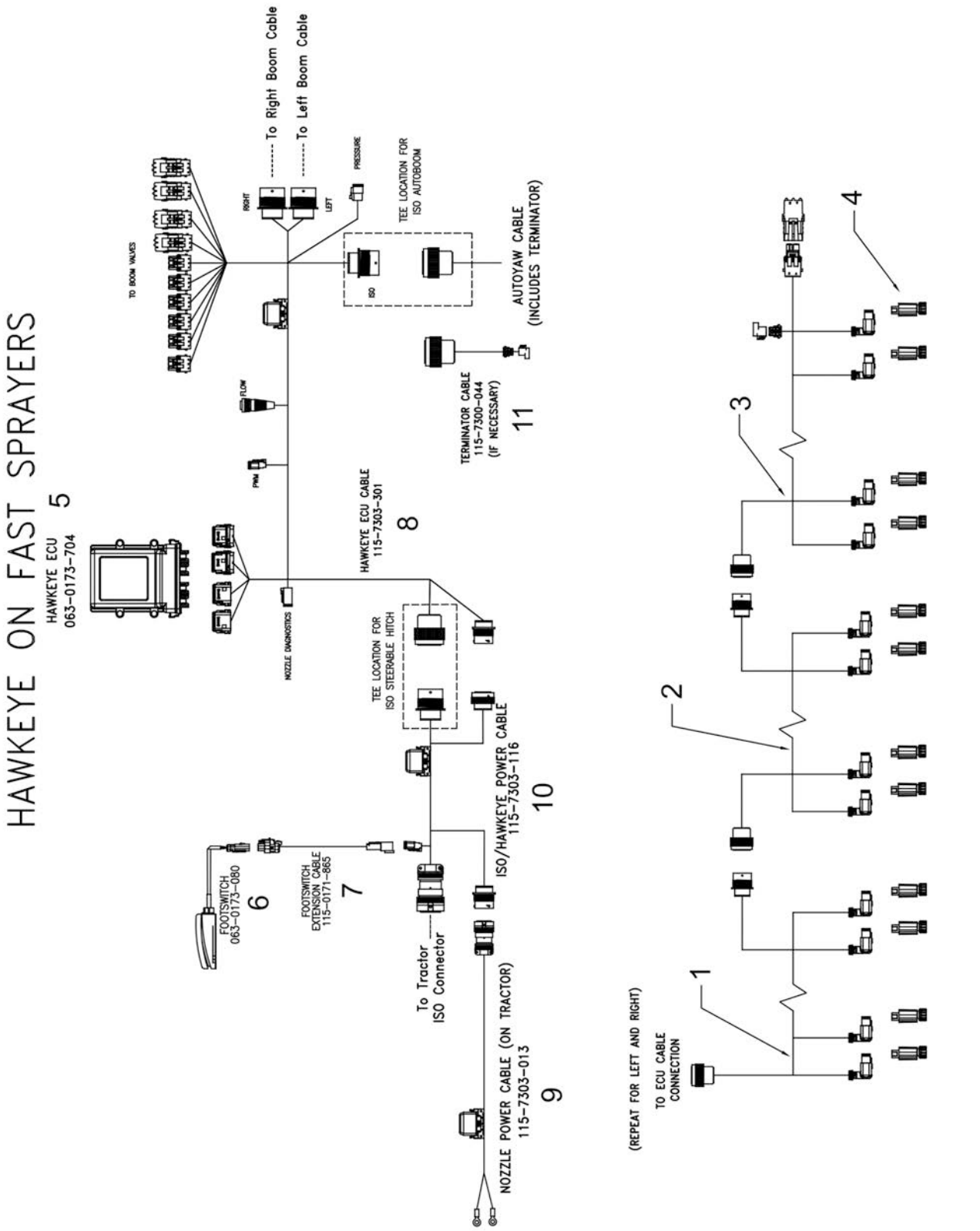
Wing Tilt Options



Wing Tilt Options Parts List

ITEM	PART NO.	DESCRIPTION	QTY.	60' Boom	80' - 90' Boom	100' Boom
	Cushioned Tilt					
1	14088	Link, Norac	1			
2	620022	Cylinder 25TD10-112 60' - 90' Wings	1	1	1	
2	620020	Cylinder 30TD10-125 100’ Wings				1
3	610027	Tee JIC #6	1			
4	600018	Hose, Hydraulic 3/8 x #6 JIC	1			
5	630002	Accumulator 21 CU"	1			
6	540033	Clamp 3.5 Accumulator	1			
	Non-Cushioned Tilt					
1	14088	Link, Norac	1			
2	620022	Cylinder 25TD10-112 60' - 90' Wings		1	1	
2	620020	Cylinder 30TD10-125 100’ Wings				1

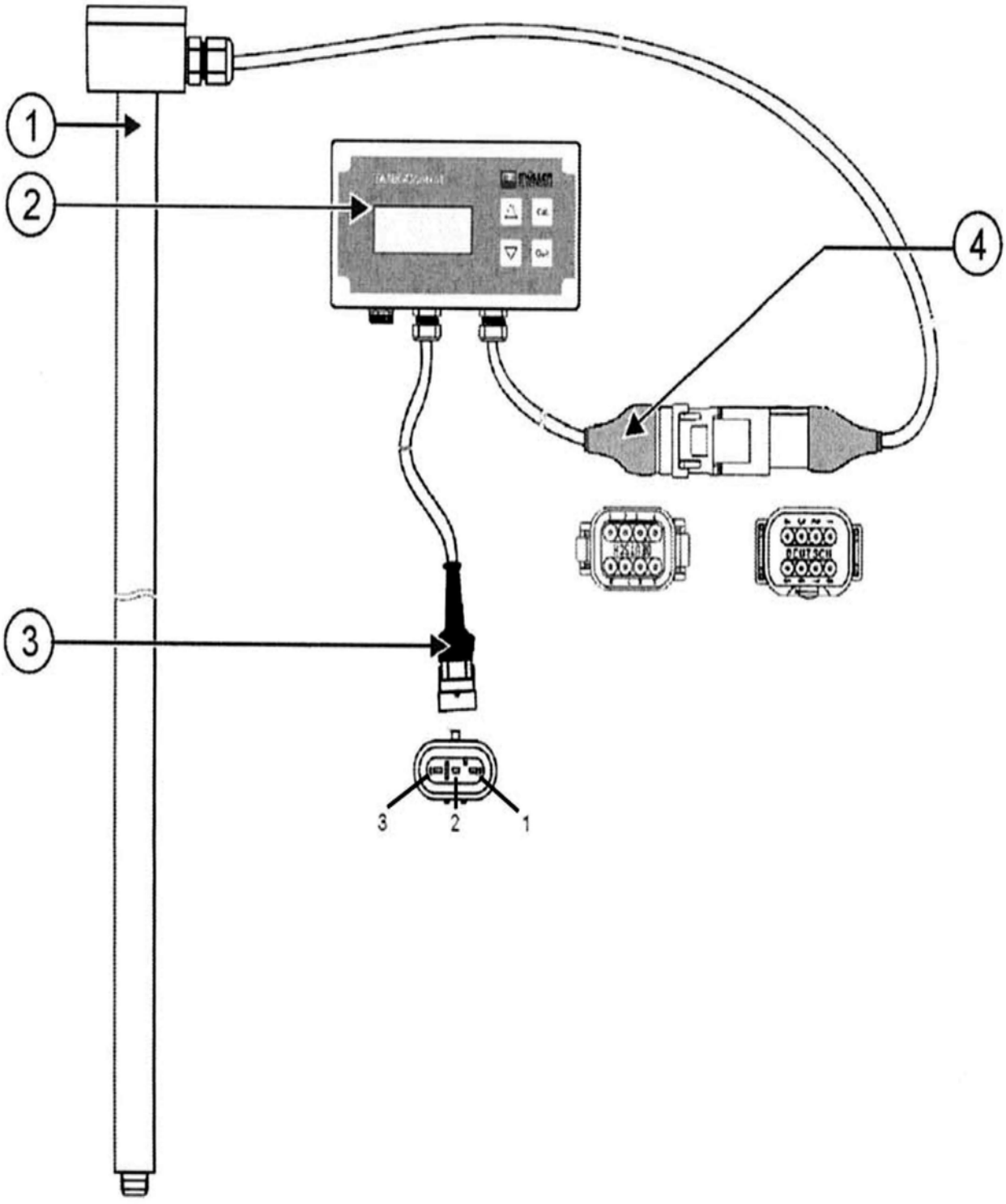
Raven Hawkeye



Raven Hawkeye Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1	RA115-7303-105	RA1157303105	2	CABLE, PRIMARY BOOM, 90' BOOM, 20" SPACING & 120' BOOM, 20" SPACING
1	RA115-7303-336	632002	2	CABLE, PRIMARY BOOM, 120' BOOM, 15" SPACING
1	RA115-7303-333	RA1157303333	2	CABLE, PRIMARY BOOM, 132' BOOM, 22" SPACING
2	RA115-7303-340	RA1157303340	2	CABLE, MID BOOM, 90' BOOM, 20" SPACING
2	RA115-7303-337	632003	2	CABLE, MID BOOM, 120' BOOM, 15" SPACING
2	RA115-7303-106	RA1157303106	2	CABLE, MID BOOM, 120' BOOM, 20" SPACING
2	RA115-7303-334	RA1157303334	2	CABLE, MID BOOM, 132' BOOM, 22" SPACING
3	RA115-7303-338	632004	2	CABLE, OUTER BOOM, 120' BOOM, 15" SPACING
3	RA115-7303-341	RA1157303341	2	CABLE, OUTER BOOM, 90' BOOM, 20" SPACING
3	RA115-7303-122	RA1157303122	2	CABLE, OUTER BOOM, 120' BOOM, 20" SPACING
3	RA115-7303-335	RA1157303335	2	CABLE, OUTER BOOM, 132' BOOM, 22" SPACING
4	RA06-30173-673	RA0630173673	*	VALVE, HAWKEYE NOZZLE, ARAG/HYPRO
4	RA06-30173-672	631984	*	VALVE, HAWKEYE NOZZLE, TEE JET
4	RA063-0173-674	RA0630173674	*	VALVE, HAWKEYE NOZZLE, WILGER
4			*	90' 20" (QTY 54), 120' 15" (QTY 96), 120' 20" (QTY 72), 132' 22" (QTY 72)
5	RA063-0173-704	631983	1	ISO PRODUCT CONTROLLER II ECU
6	RA063-0173-080	631856	1	SWITCH ASSEMBY FOOT ISO PRODUCT CONTROL
7	RA115-0171-865	631857	1	CABLE, FOOT SWITCH ISO PRODUCT CONTROL
8	RA115-7303-301	632001	1	CABLE, HAWKEYE ECU
9	RA115-7303-013	632000	1	CABLE, NOZZLE POWER
10	RA115-7303-116	631992	1	CABLE, 17' ISO/HAWKEYE POWER
11	RA115-7300-044	631996	1	CABLE, GEN 3 TO ACTIVE TERMINAL, TERMINATOR INCLUDED
11	RA063-0172-964	RA0630172964	1	TERMINATOR, FOR 631996 (RA1157300044)
N/S	RA115-7303-168	RA1157303168	1	CABLE, 2' ECU POWER
N/S	RA115-7303-148	RA1157303148	4	CABLE, 6' EXTENSION
N/S	RA115-0171-810	632047	1	CABLE, 10' 2P EXTENSION
N/S	RA115-7303-260	RA1157303260	1	CABLE, 15' ECU NOZZLE
N/S	RA115-7303-159	RA1157303159	1	CABLE, 4 NOZZLE HAWKEYE
N/S	RA115-7305-160	RA1157305160	1	CABLE, 5 NOZZLE HAWKEYE
N/S	RA115-7305-161	RA1157305161	4	CABLE, 10 NOZZLE HAWKEYE
N/S	RA115-7303-156	RA1157303156	2	CABLE, FENCE ROW
N/S	RA117-6020-005	631962	1	KIT, FOLD SWITCH BOX, ISO, 132' TRUSS BOOM, 22" SPACING
N/S	RA117-1005-114	632014	1	KIT, HAWKEYE FAST 9500T, 120' TRUSS BOOM, 20" SPACING
N/S	RA117-1005-056	631985	1	KIT, HAWKEYE SYSTEM SERVICE TEE JET
N/S	RA117-1005-112	632081	1	KIT, HAWKEYE, 90' BOOM, 20" SPACING
N/S	RA117-1005-113	RA1171005113	1	KIT, HAWKEYE, 120' TRUSS BOOM, 15" SPACING
N/S	RA117-1005-115	632108	1	KIT, HAWKEYE, 132' TRUSS BOOM, 22" SPACING
N/S	RA117-0138-066	631955	1	KIT, INSTALLATION, ISO ULTRAGLIDE
N/S		530401	1	NIPPLE, 1/4 X 1/4" MPT, POLY
N/S	RA115-7305-139	RA1157305139	1	NOZZLE JUMPER
N/S	RA422-0000-119P	632036	1	PRESSURE TRANSDUCER, 1-5V 0-250
N/S		530400	1	TEE, 1/4" FPT, POLY

Electronic Sight Gauge

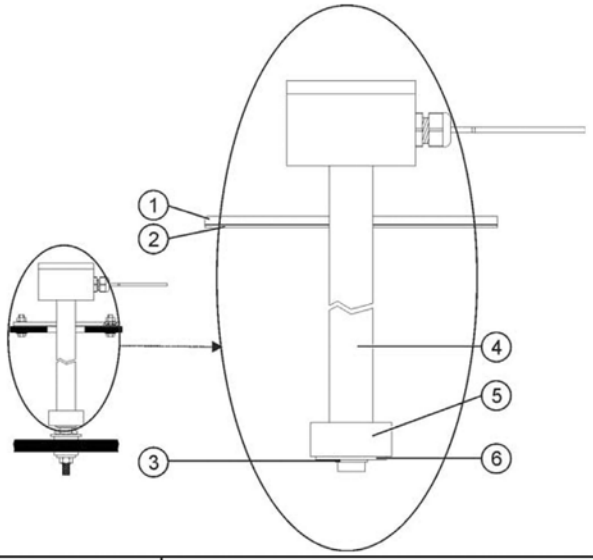


Electronic Sight Gauge Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1		1	Sensor
2		1	Display
3		1	Power Lead
4		1	Sensor Plug
NS	631934		Complete Kit - 1350 Gallon
NS	931933		Complete Kit - 1800 Gallon
NS	931935		Complete Kit - 2400 Gallon
NS	931936		Sight Gauge Flange Kit

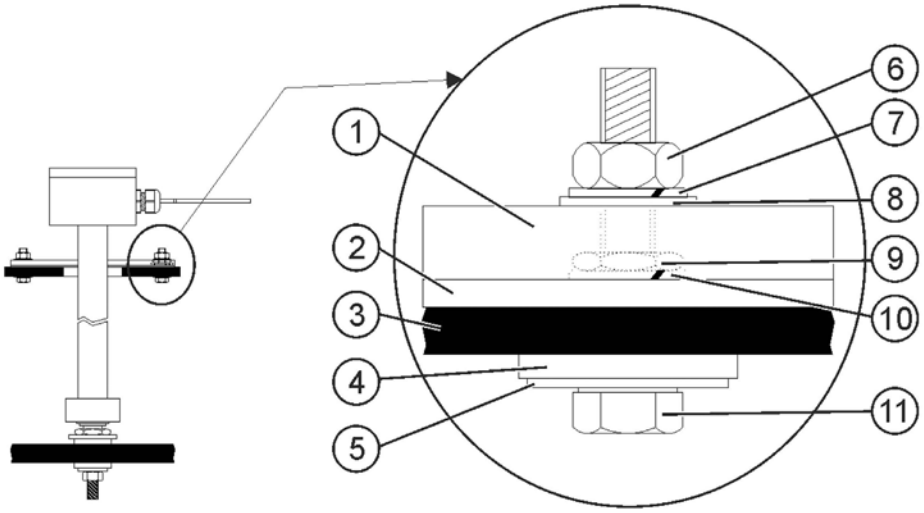
Electronic Sight Gauge - Sensor Tube

Prepare the Sensor Tube



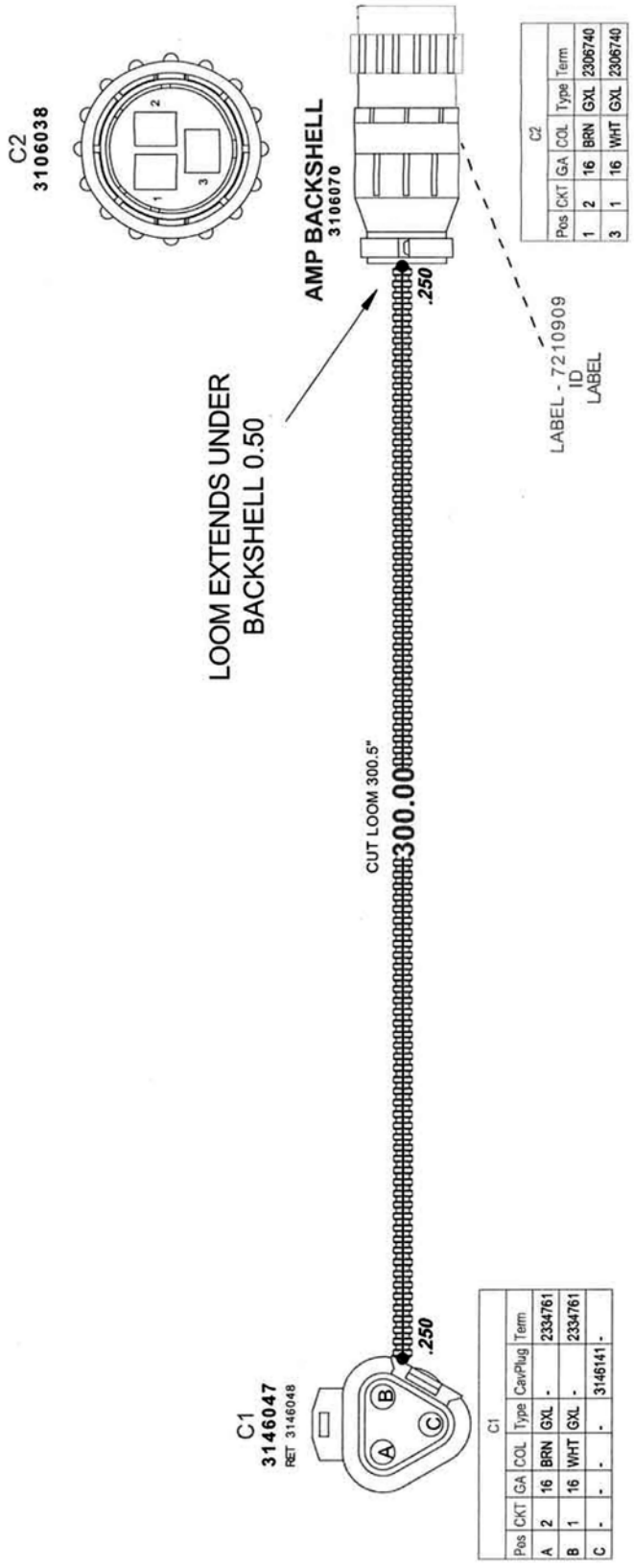
Item	Vendor Part #	Fast Part #	Description	Qty.
1			Flange	1
2			Viton Gasket	1
3			Locking Ring	1
4			Sensor Tube	1
5			Float	1
6			Washer 24.2 x 12.2	1

Install the Sensor Tube

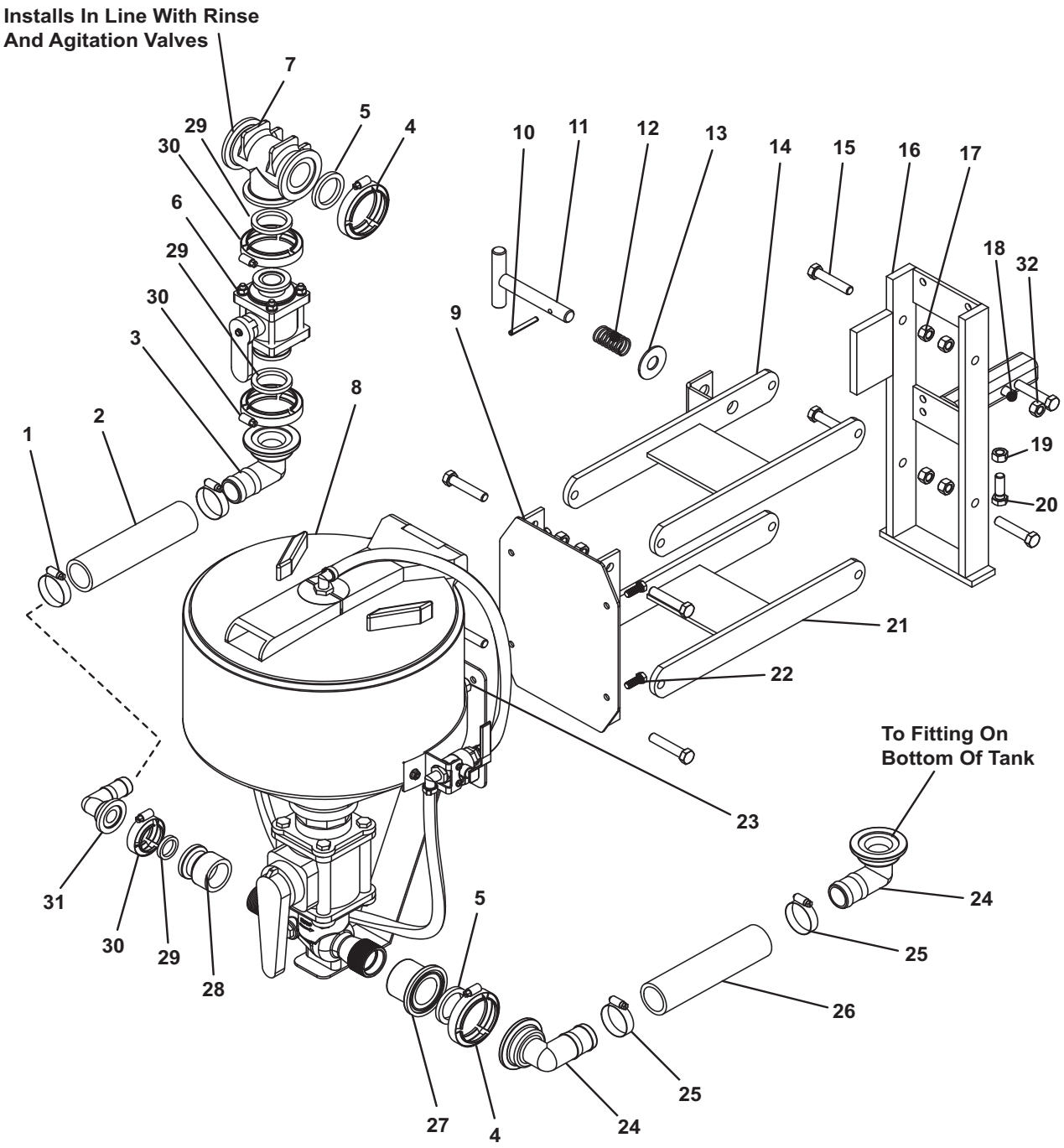


Item	Vendor Part #	Fast Part #	Description	Qty.
1			Tube Socket	1
2			Viton Gasket 25 x 6	1
3			Base of Tank	1
4			Viton Gasket 25 x 6	1
5			Wahser A6.4	1
6			Nut M6	1

Electronic Sight Gauge - Power Cable (631947)



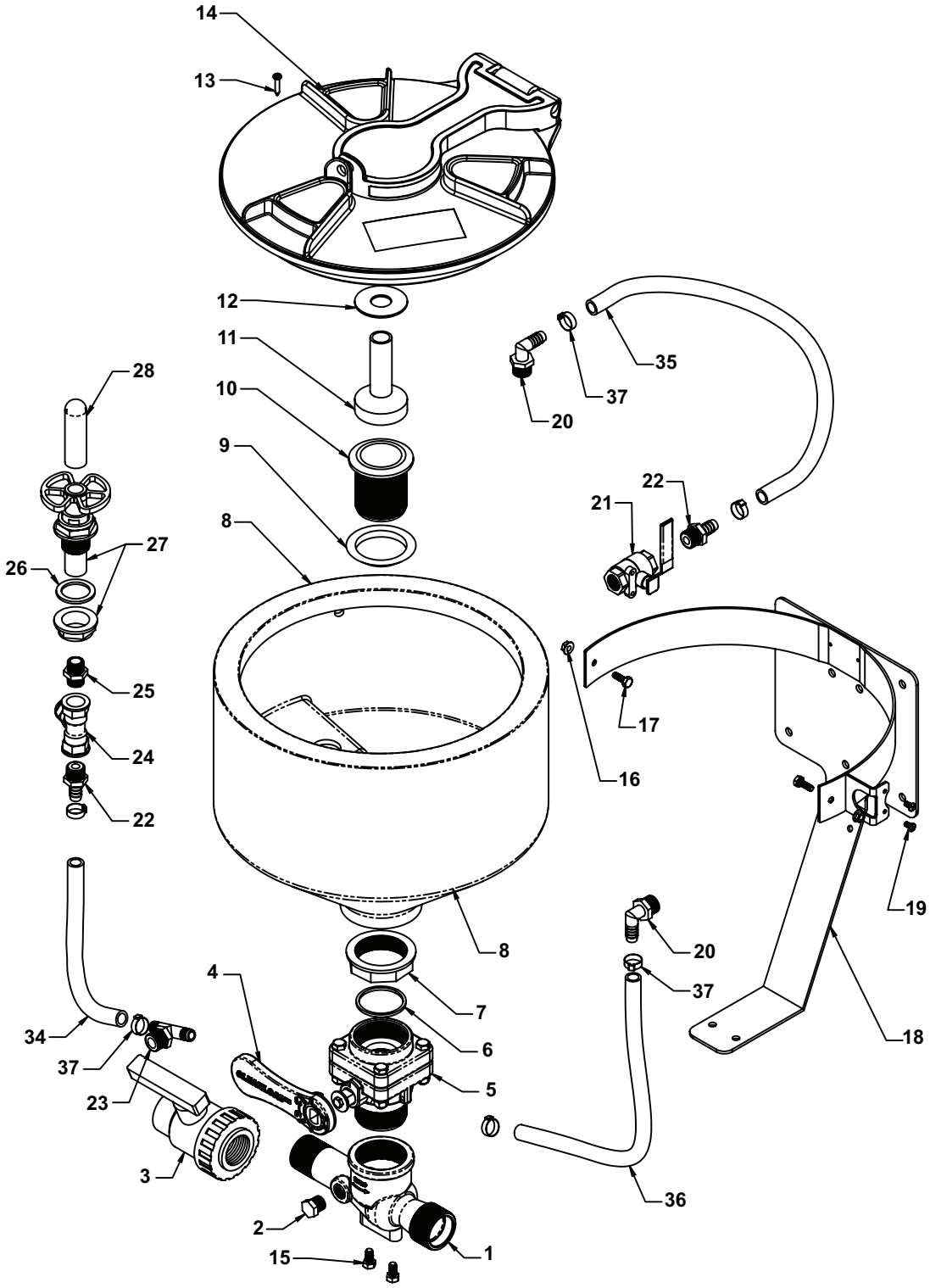
HYPRO Cleanload Eductor & Mounting, 5.8 Gallon



HYPRO Cleanload Eductor & Mounting, 5.8 Gallon Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1	64020H	540015	2	Clamp, Hose 1.25”
2	1-1/4BH200	510013	6.5	Hose, Spray 1.25 EDPM
3	M100125BRB90	530065	2	Manifold Elbow 1 x 1.25 HB
4	FC200	540001	3	Manifold Clamp 1” Standard Port
5	150G	530014	3	Gasket 1” Standard Port
6	MV100CF	500005	1	Manifold Valve Standard Port
7	M200100TEE	530075	1	Manifold Tee
8	3375P-05T5-05	570039	1	Hypro Cleadload Eductor, 5.8 Gallon
9		9250	1	Plate Adapter
10		687	1	Pin, Spring 1.25 x 2” Zp
11		7981	1	Handle Tee
12	67	790001	1	Spring, Century 2” Free Length
13		262	1	Washer, Flat 3/4”Zp
14		7928	1	Link, Upper
15		153	8	Bolt, HH 1/2 x 1.5 GR5 Zp
16		11632	1	Back Plate
17		231	8	Nut, HH 1/2” Nylock Zp
18		154	1	Bolt, HH 1/2 x 2.5 GR5 Zp
19		223	1	Nut, HH 1/2” Jam Zp
20		152	1	Bolt, HH 1/2 x 1” GR5 Zp
21		7925	1	Link, Lower
22		128	4	Bolt, HH 3/8 x 1” GR5 Zp
23		769	4	Nut, HH 3/8 “ Whizlock Zp
24	M200150BRB90	530080	2	Manifold Elbow 2 x 1.5” HB
25	64024H	540016	2	Clamp, Hose 15”
26	1-1/2 BH200	510014	5	Hose, Spray 1.5 EDPM
27	CP46066-PP	530196	1	Manifold Adapter 2 x 1.5 FPT
28	CPC45512-PP	530194	1	Manifold Adapter 2 x 1.25 FPT
29	100G	530008	3	Gasket 1”
30	FC100	540000	3	Manifold Clamp 1”
31	M100125BRB90	530065	1	Manifold Elbow 1 x 1.25” HB
32		771	8	1/2" Wizlock Nut

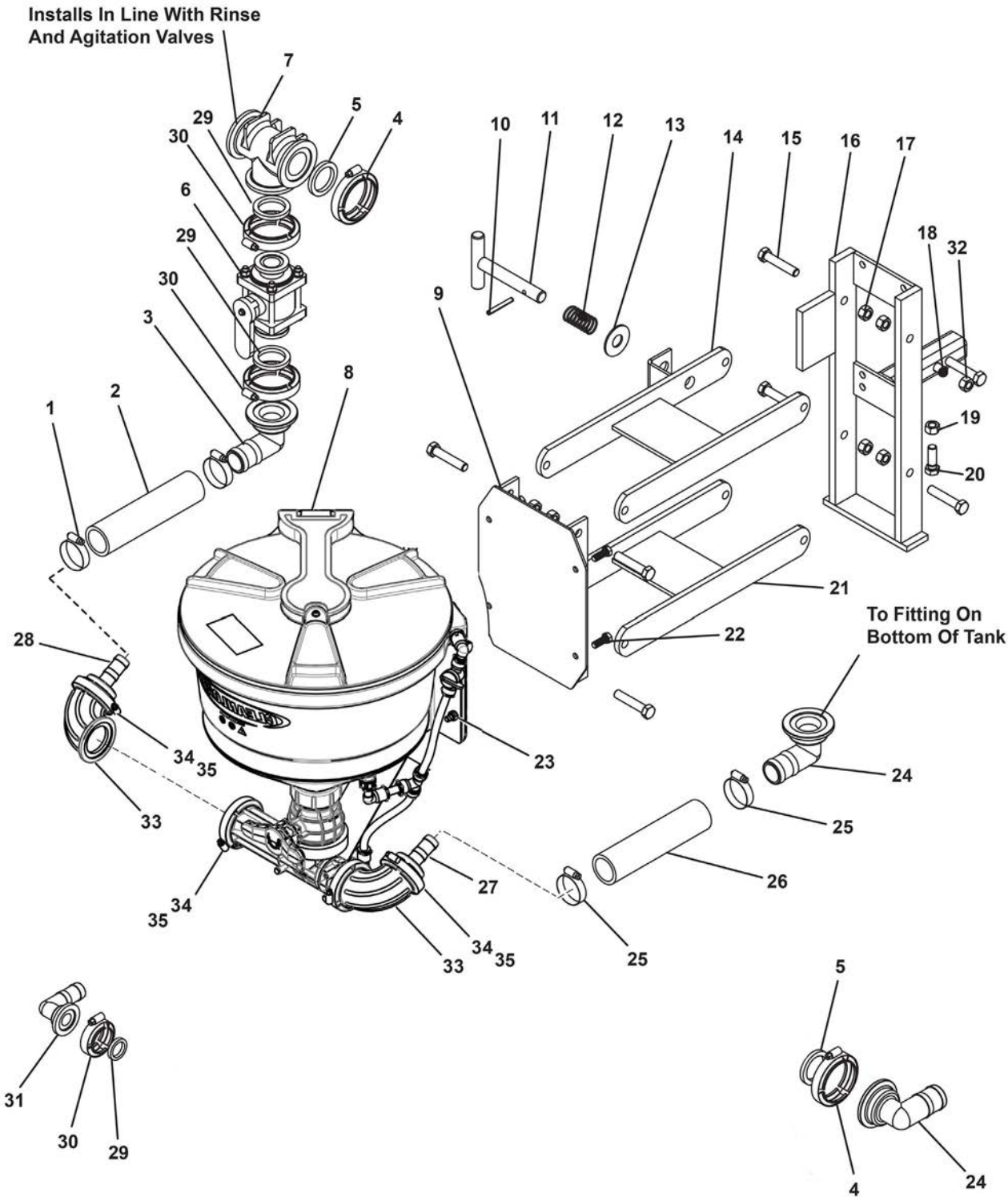
HYPRO Cleanload Eductor, 5.8 Gallon



HYPRO Cleanload Eductor, 5.8 Gallon Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	3371-0034S	1	Cleanload Eductor
2	3F12	11	Plug, 1/2”
3	4541135N	1	Ball Valve, 1-1/4 Single Union
4	2800-0027	1	Handle, Cleanload
5	9950-0043	1	Ball Valve
6	1700-0045	1	Gasket: 2” BSP
7	205070	1	Locking Ring, 2”
8	1530-0016	1	Tank, 5.8 Gallon
9	2270-0119	1	Gasket: 2”, Tapered
10	220070	1	Drain Head, 2”
11	510120	1	Tank Rinse
12	1410-0112	1	Slinger Ring
13	2210-0133	8	Screw, #6 x 1”
14	TL12-0006	1	Tank Lid
15	2210-0003	2	Bolt, 5/16-18 x 5/8
16	2250-0077	2	Nut, Flanged 1/4-20
17	2210-0134	2	Bolt, 1/4-20 x 3/4 SS
18	1510-0103	1	Frame, Back Mount (shown)
19	2210-0132	2	Screw, 10-24 x .375
20	3EL12	2	HB Elbow 1/2”
21	78-12	1	Valve, SSTank Rinse
22	3A12	2	HB, 1/2 MNPT
23	3T12T	1	HB Tee, 1/2 MNPTto 1/2 HB
24	3TT12	1	Tee, 1/2 FNPT
25	3M12	1	Nipple, 1/2”
26	G40004	1	Gasket, 1”
27	C-510100	1	Valve, Bottle Rinse Base Assy.
28	510110	1	Bottle Rinse Head
34	2900-0072	1	Hose, Bottle Rinse, 1/2” EPDM
35	2900-0073	1	Hose, Tank Rinse, 1/2” EPDM
36	2900-0074	1	Hose, Valve Feeder, 1/2” EPDM
37	10500013	6	Hose Clamp, 1/2”
N/S	6031-0378	1	Label/Instructions

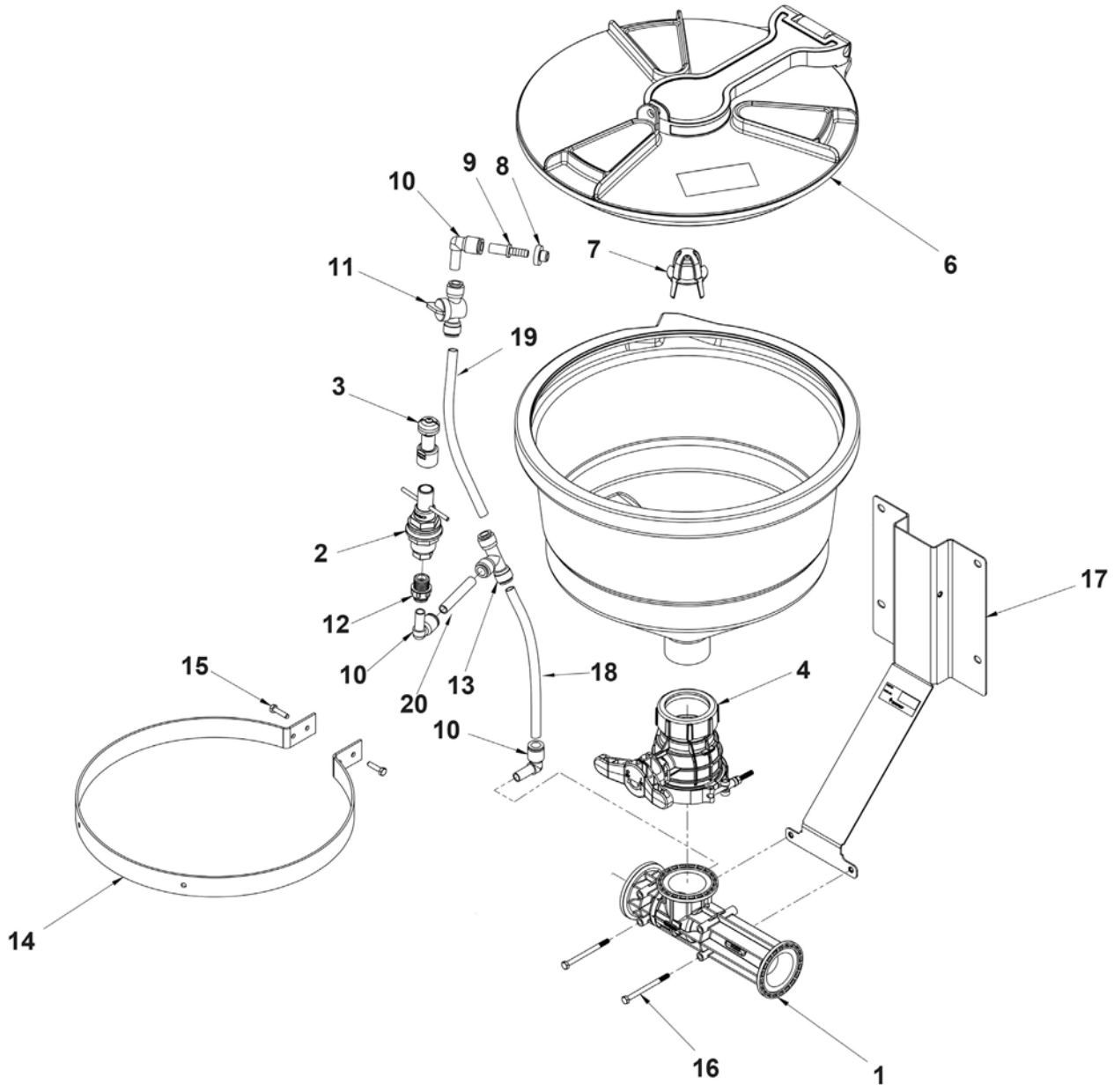
HYPRO Cleanload Eductor & Mounting, 7.5 Gallon



HYPRO Cleanload Eductor & Mounting, 7.5 Gallon Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
NS	800015	1	DECAL, INDUCTOR
NS	540051	2	P CLAMP, 2" HOSE 2"
1	540015	2	CLAMP, STAINLESS 1-1/4" #20
2	510015	6	HOSE, 1-1/4" EPDM
4	540001	3	CLAMP, 2" STANDARD WORM SCREW
5	530014	3	1-1/2" EPDM GASKET
6	500005	1	VALVE, 1" FULL PORT WITH C-F
7	530075	1	2" STANDARD PORT X 1" FLANGED
8	570119	1	TANK CLEANLOAD EDUCTOR 7.5 GALLON
9	16560BLK	1	MOUNT, HYPRO ENDUCTOR
10	687	1	Pin, Spring 1.25 x 2” Zp
11	7981BLK	1	HANDLE, T SHAPED
12	790001	1	SPRING, INDUCTOR LATCH
13	262	1	WASHER, FLAT 3/4" ZIP
14	7928BLK	1	LINK, ENDUCTOR, UPPER
15	153	8	Bolt, HH 1/2 x 1.5 GR5 Zp
16	11632BLK	1	MOUNT PLATE, BACK 9500 TRAILER
17	231	8	Nut, HH 1/2” Nylock Zp
18	154	1	Bolt, HH 1/2 x 2.5 GR5 Zp
19	223	1	Nut, HH 1/2” Jam Zp
20	152	1	Bolt, HH 1/2 x 1” GR5 Zp
21	7925BLK	1	LINK, ENDUCTOR, LOWER
22	128	4	Bolt, HH 3/8 x 1” GR5 Zp
23	769	4	Nut, HH 3/8 “ Whizlock Zp
24	530080	1	2" SP FLANGE X 1-1/2" HOSE BARB - 90°
25	540016	2	CLAMP, STAINLESS 1-1/2" #24
26	510014	5	HOSE, 1-1/2" EPDM
27	530079	1	2" MANIFOLD X 1-1/2" HOSE BARB
28	530076	1	2" MANIFOLD X 1-1/4" HOSE BARB
29	530068	2	1" EPDM GASKET FOR MANIFOLD
30	540000	2	CLAMP, 1" WORM SCREW
31	530065	1	1" FLANGE X 1-1/4" HOSE BARB - 90°
32	771	8	1/2" Wizlock Nut
33	530388	2	2" FP FLANGE X 2" STANDARD FLANGE SWP
34	540002	2	CLAMP, 2" FULL WORM SCREW
35	530019	2	2" EPDM GASKET

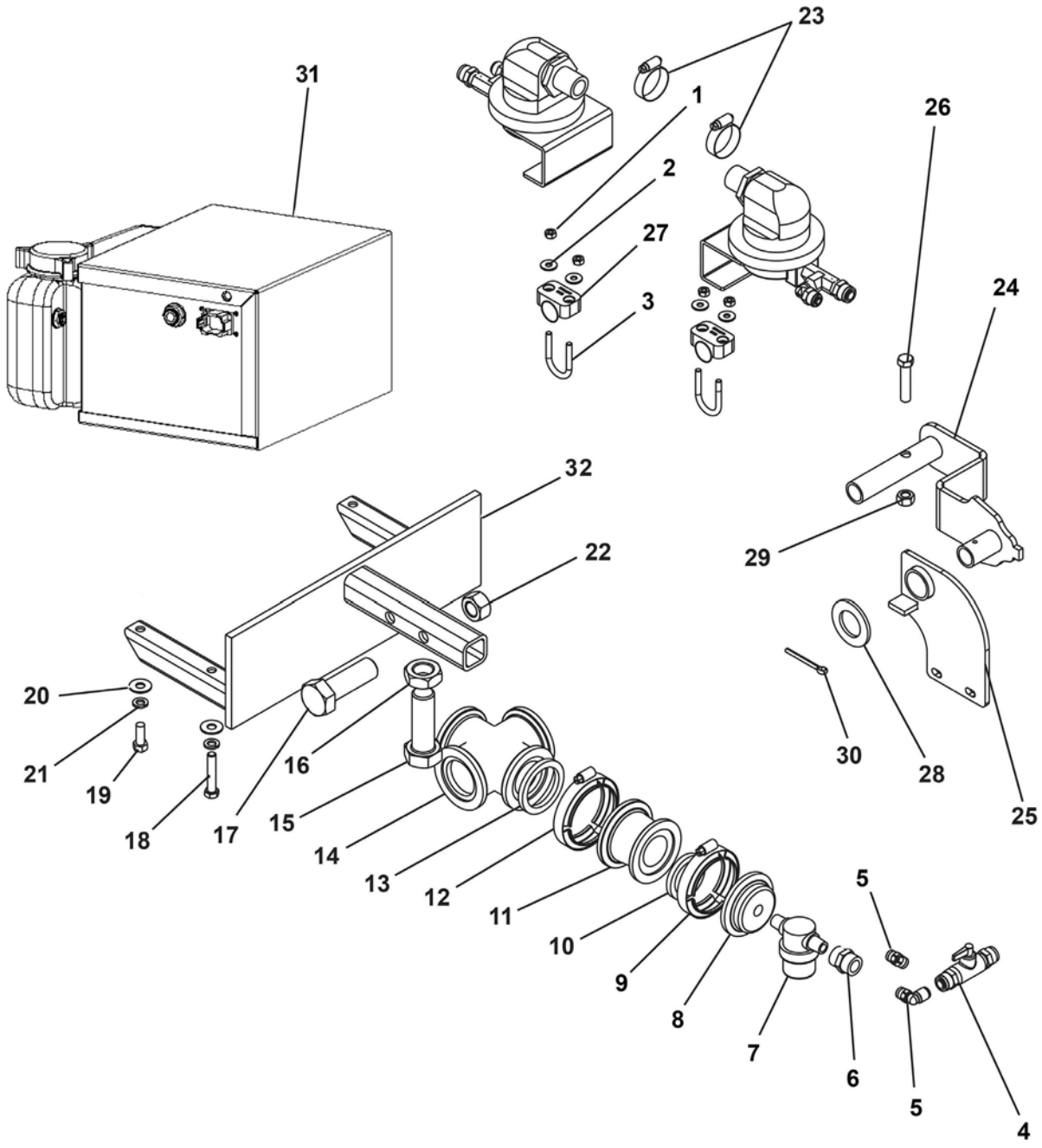
HYPRO Cleanload Eductor, 7.5 Gallon



HYPRO Cleanload Eductor, 7.5 Gallon Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
0		570119	1	Eductor Complete
1	3371-0038R		1	Eductor
2	PV1/2F1/2M-MA		1	ProClean Container Rinse
3	PC1/2F-36075		1	Nozzle, ProClean Container Rinse
4	7250-5000		1	Tank Valve
6	TL16-0006		1	Lid Kit
7	3350-0180		1	Strainer
8	1700-0253		1	Grommet
9	2404-0413		1	Hose Barb Fitting
10	2404-0414		1	Elbow Fitting (1/2”)
11	3305-0113		1	Two-way Valve (1/2”)
12	2404-0386		1	Fitting
13	2404-0415		1	Tee Fitting (1/2”)
14	1510-0128		1	Mounting Ring
15	2210-0201		2	Hex Bolt, M6x1x25
16	2210-0200		2	Hex Bolt, M6x1x80
17	1510-0127		1	Bracket
18	3430-0833		1	Tube Kit (includes items 18 - 20, screw and clamp)
19	3430-0833		1	Tube Kit (includes items 18 - 20, screw and clamp)
20	3430-0833		1	Tube Kit (includes items 18 - 20, screw and clamp)

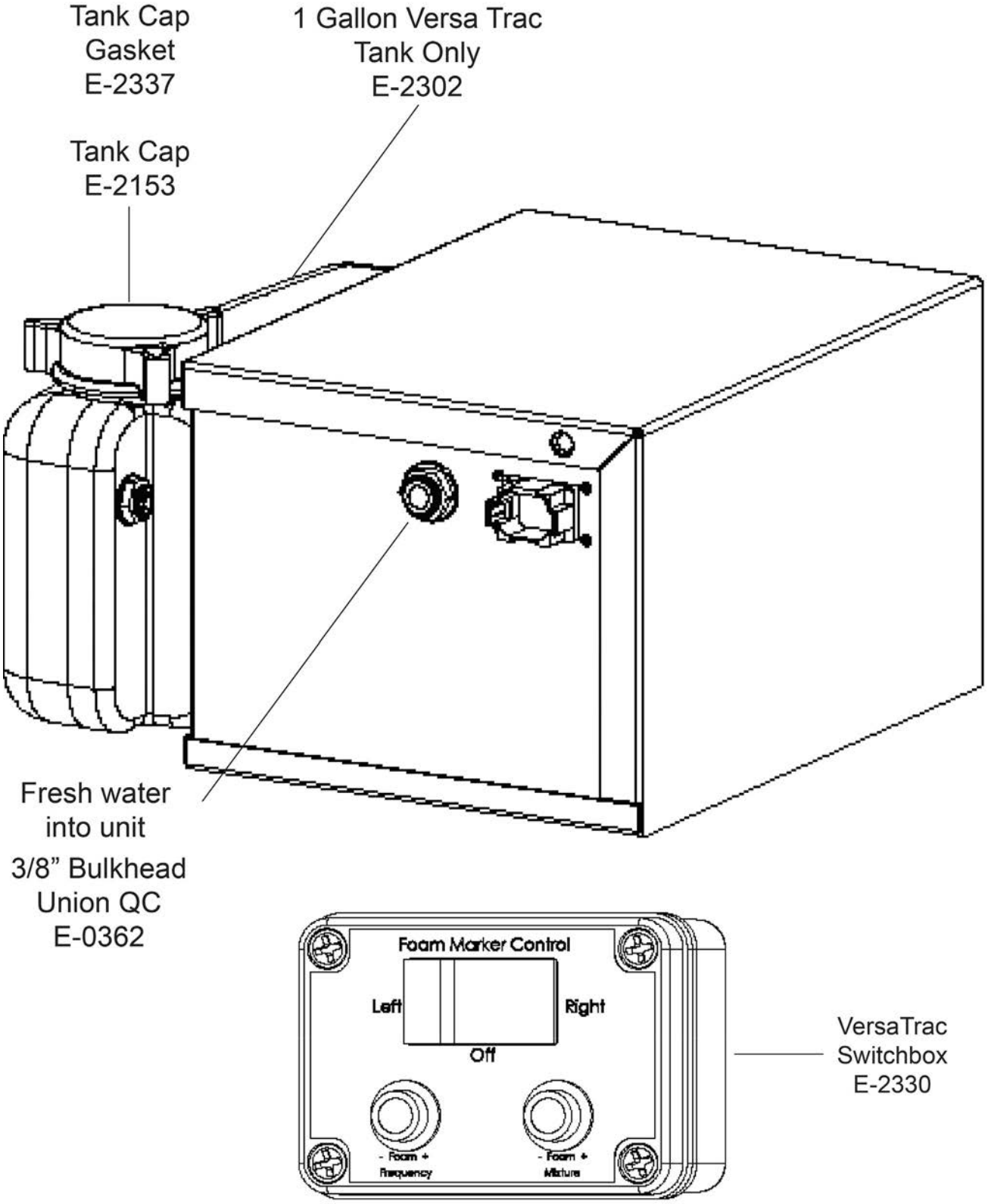
Richway Direct Injection Foamer & Mounting



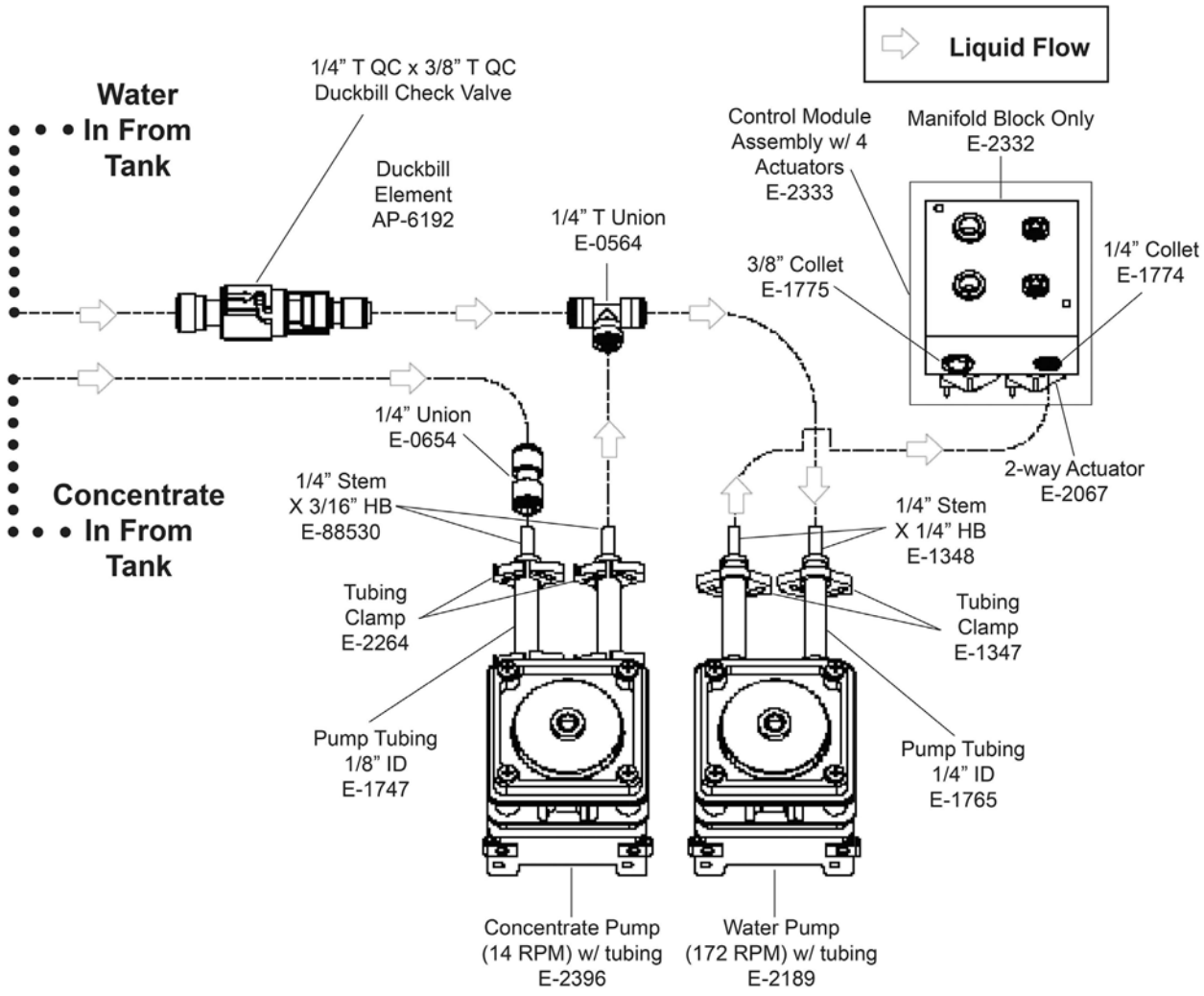
Richway Direct Injection Foamer & Mounting Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		647	8	Nut, HH 1/4” Nylock SS
2		663	8	Washer, Flat 1/4” SS
3	2M1473140	590048	4	U-Bolt 1/4 x 1.5 SS
4	44103289	530007	1	Valve, Shut Off 3/8 Q-Lock
5	44103231	530006	1	Q-Lock Adapter Fitting 3/8” 90°
5		530002	1	3/8"X3/8" MALE CONNECTOR
6	3FC38	530217	1	Coupler, 3/8” FPT
7	RVM66NE40C	530000	1	Strainer 40 Mesh 3/8” MPT
8	M200PLG038	530095	1	Manifold Plug x 3/8” FPT
9	FC200	540001	1	Manifold Clamp 2” Standard Port
10	150G	530014	1	Gasket 2” Standard Port
11	M220200CPG	530102	1	Manifold Coupling 2” Full Port x 2” Standard Port
12	FC220	540002	1	Manifold Clamp 2” Full Port
13	200G	530019	1	Gasket 2” Full Port
14		530107	1	Manifold Cross, 2” Full Port
15		152	1	Bolt, HH 1/2 x 1 GR5 Zp
16		223	1	Nut, HH 1/2” Jam Zp
17		156	1	Nut, HH 1/2 x 3” GR5 Zp
18		130	2	Bolt, HH 3/8 x 2” GR5 Zp
19		128	2	Bolt, HH 3/8 x 1” GR5 Zp
20		250	4	Washer, Lock 3/8 Zp
21		258	4	Washer, Flat 3/8 Zp
22		771	1	Nut, HH 1/2” Whizlock Zp
23	64016A	540014	2	Clamp, Hose 1”
24		14619	2	Foamer Insert
25		14279	2	Foamer Flipper
26		142	2	Bolt HH 7/16 x 2” GR5 Zp
27	3254PP	540029	2	Tube Clamp
28		789	AR	Washer, NR 1-1/4 x 14 CP
28		590159	AR	1-1/8" FLAT WASHER, 2" MAX OD
29		597	2	Nut, HH 7/16” Toplock
30		576	2	Cotter Pin, 3/16 x 2 Zp
31		590111	1	VERSA TRAC FOAM INJECTOR BLACK
32		10792	1	Foamer Mount
NS		596744M	AR	Washer, NP 1-1/4 x 14 GA
NS	2T20-003	510023	AR	1/4” Linear Low Density Poly Tubing
NS	2T20-604	510024	AR	3/8” Linear Low Density Poly Tubing
NS	12015003	510005	20’	PVC Water Suction Hose 1”
NS		630050	1	EXTENSION CABLE 20'

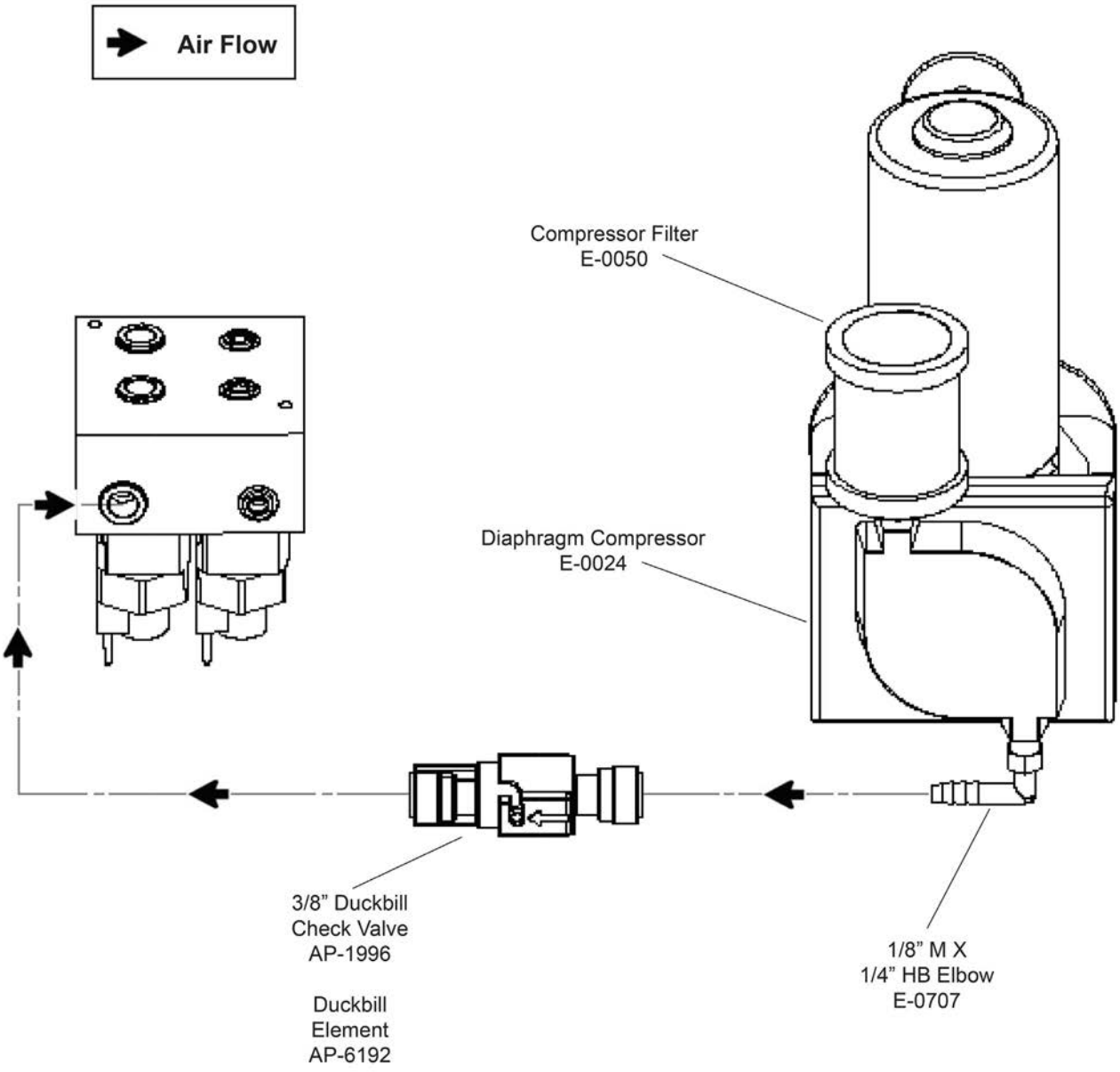
Richway Foam Marker 1 Gallon Tank & Switchbox



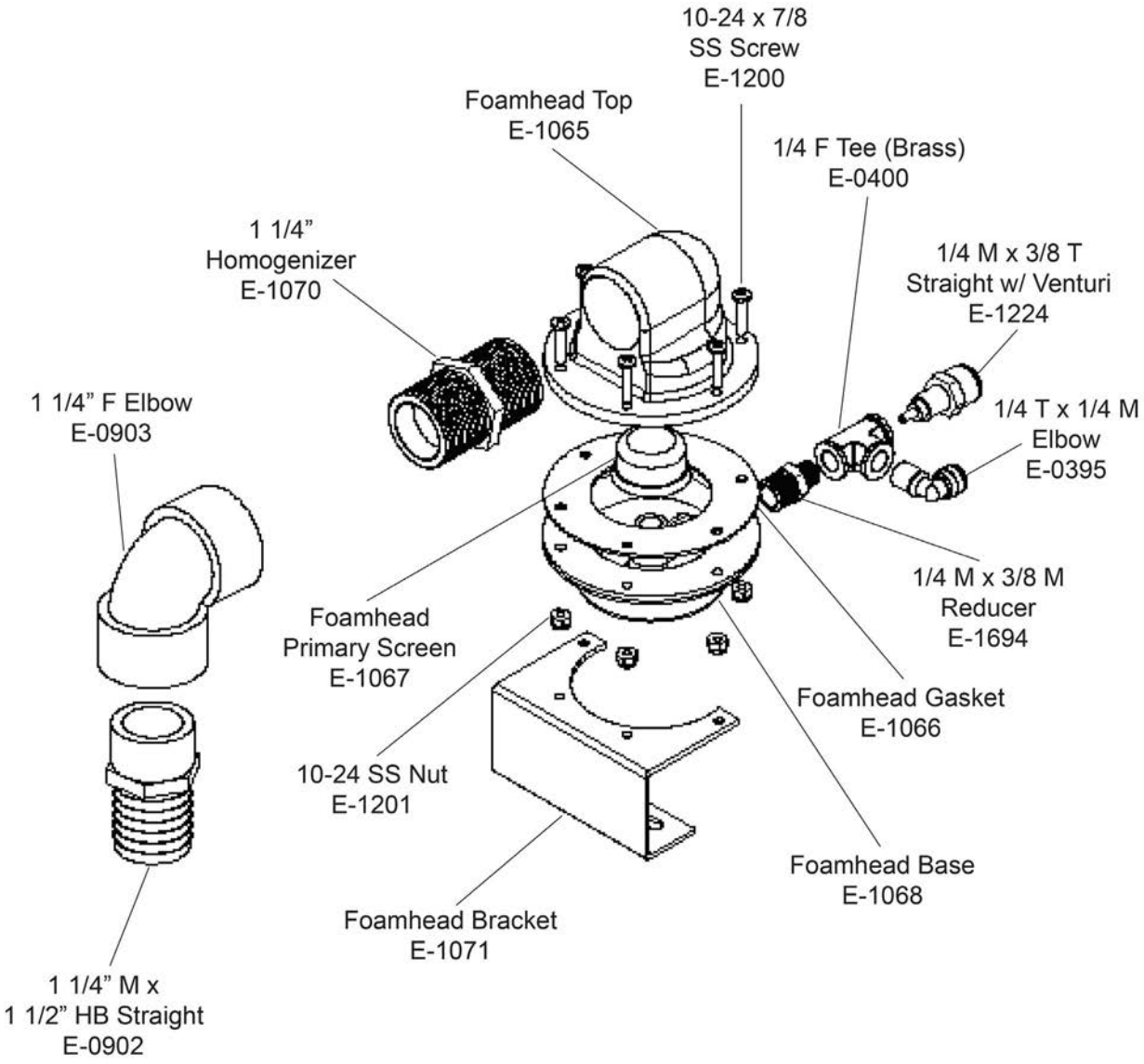
Richway Foam Marker Liquid Flow



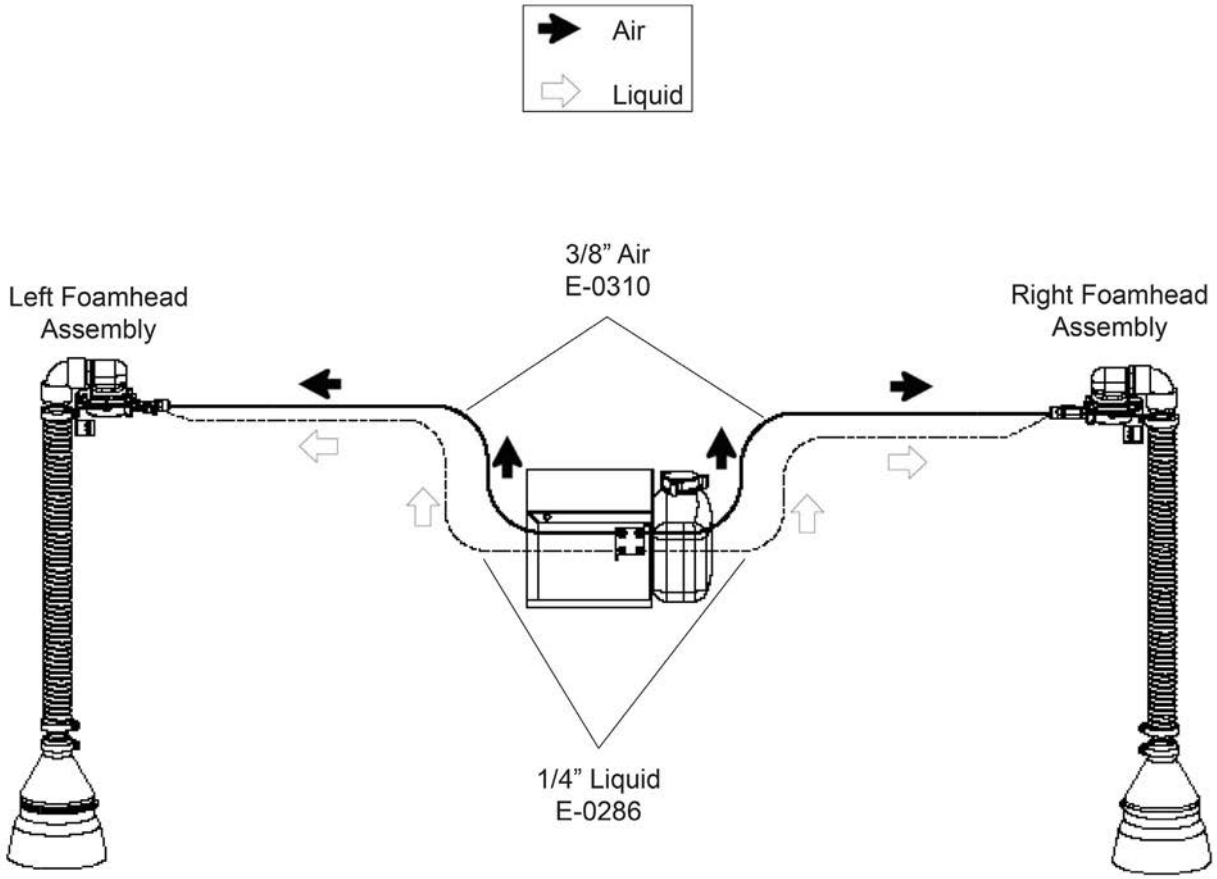
Richway Foam Marker Compressor



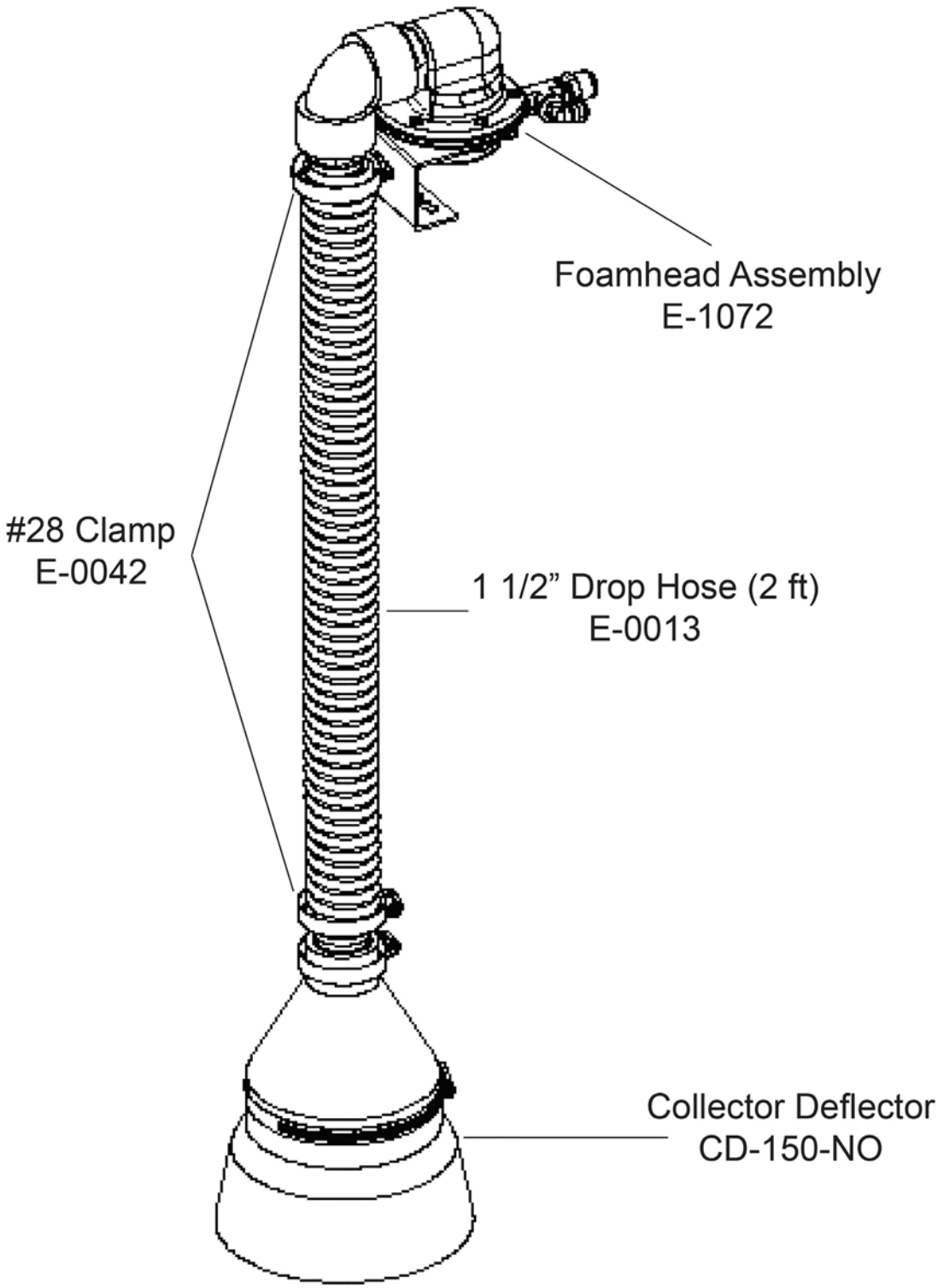
Richway Foam Marker Foamhead



Richway Foam Marker Foam Head Assembly



Richway Foam Marker Collector Deflector



Richway Foam Marker Wiring Harness

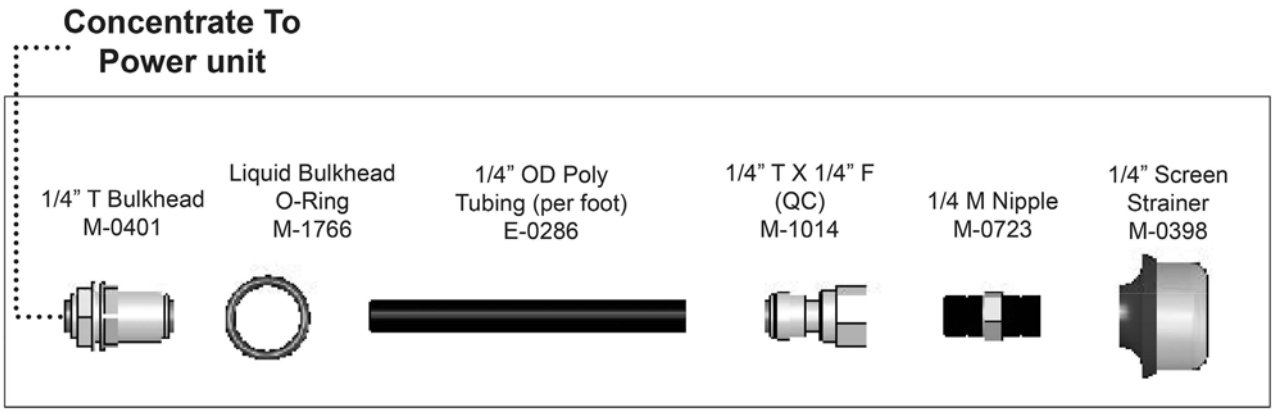
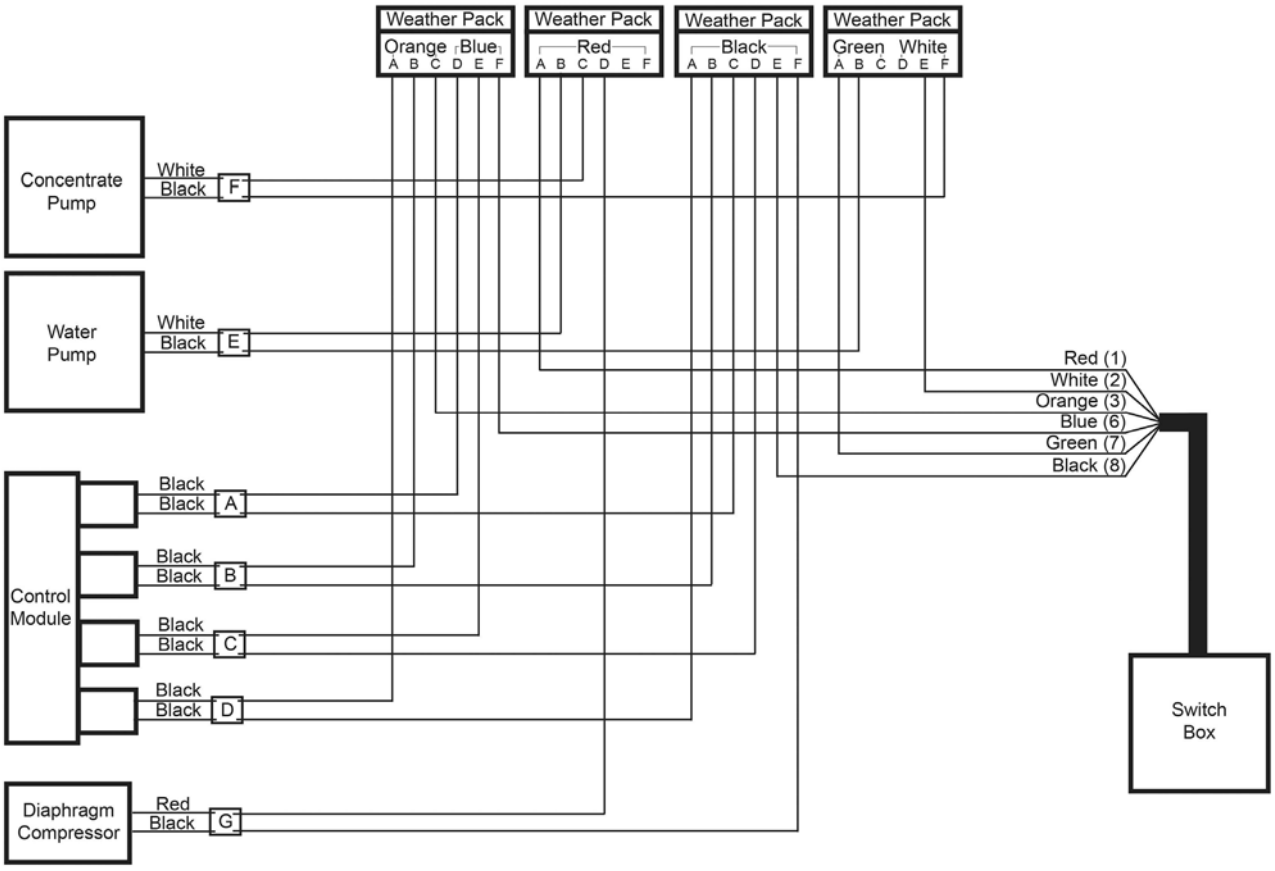
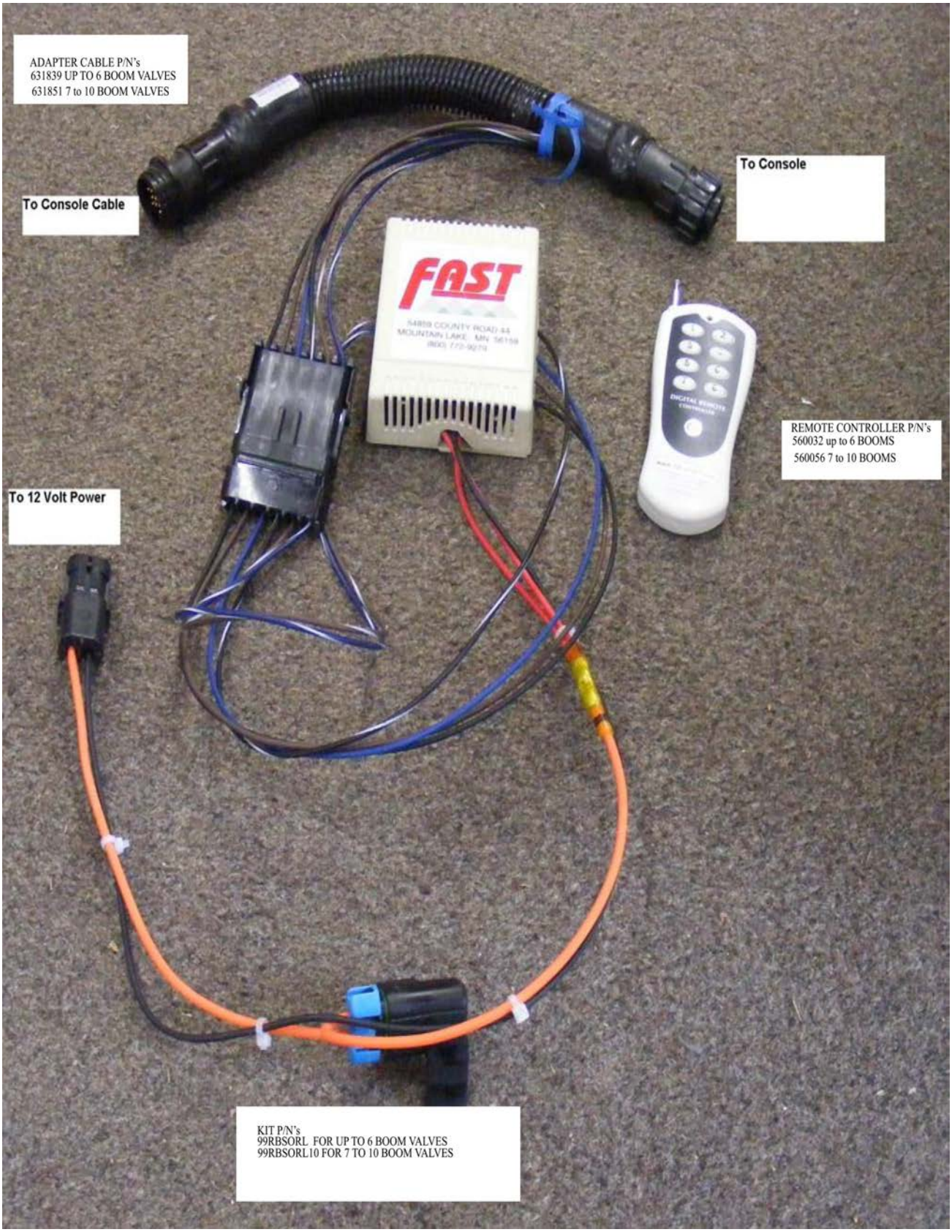


FIGURE 10 - Versa Trac Tank Components

APPENDIX 4



Remote Boom Shutoff Kit (6 Section Shown)



FAST Global Solutions
4130 Commerce Boulevard
Windom, MN 56101
1-800-772-9279 Toll Free
1-507-427-3861 Voice
1-507-427-3030 Fax