



9600N/TF SPRAYER PARTS MANUAL







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 9600N/TF 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

SAFETY

- ☐ 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 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 9600N/TF SPRAYER

APPLICATOR SERIAL NUMBER _____

DATE PURCHASED _____ / _____ / _____

TANK SIZE _____

BOOM LENGTH _____

PUMP MANUFACTURER: (CIRCLE ONE)

ACE FMC-150-HYD-206

ACE FMCSC-205F-HYD-304

ACE FMCSC-205F-HYD-304 PWM

ACE 255F-304 WET SEAL

ACE 255F-304 PWM WET SEAL

ACE FMC-750-HYD OASIS

ACE FMC-750 OASIS PWM

HYPRO 9306C-HM1C



General Information

All rights, especially copying and distribution rights are reserved. No part of this publication may be reproduced in any form or by any means, electronic or mechanical, including photocopying, without express written permission from FAST AG Solutions.

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.
 - o **NS** - This item is NOT SHOWN, included for reference.
- **QTY** - This is the quantity of parts needed in an assembly.
 - o **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.



ILLUSTRATED PARTS LIST

Table of Contents

Section	Page
Table of Contents	7
Trailer - 9600	14
Trailer - 9600 Parts List 14475	15
Trailer - 9600	16
Trailer - 9600 Parts List 20124TA.....	17
Trailer - 9600N	18
Trailer - 9600N Parts List 20124TAN	19
Steerable Trailer - 9600N	20
Steerable Trailer - 9600N Parts List 20126TASH	21
Steerable Ready	22
Parts List 35850: Steerable Ready	22
Steerable Ready Turnbuckle	23
Parts List 35705: Steerable Ready Turnbuckle	23
Axles	24
Axles Parts List	25
Tires	26
Tires Parts List	27
Parallel Link Assembly	28
Parallel Link Assembly	29
10' Center Section (Narrow)	30
10' Center Section (Narrow) Parts List	31
10' Center Section (Narrow)	32
10' Center Section (Narrow) Parts List	33
12' Center Section (Dry Boom)	34
12' Center Section (Dry Boom) Parts List.....	35
12' Center Section, 80 - 100' Boom	36
12' Center Section, 80 - 100' Boom Parts List.....	37
12' Center Section, 80 - 100' Boom	38
12' Center Section, 80 - 100' Boom Parts List.....	39
Wings - 60 & 66 Foot Boom - Standard	40
Wings - 60 & 66 Foot Boom - Standard Parts List.....	41
Wings - 60 & 66 Foot Boom	42
Wings - 60 & 66 Boom Parts List	43
Wings - 60 & 66 Foot Boom	44
Wings - 60 & 66 Boom Parts List	45
Wings - 80, 90 & 100 Foot Boom - Standard	46
Wings - 80, 90 & 100 Foot Boom - Standard Parts List.....	47
Wings - Tri-Fold 40/80 Foot Boom	48

Wings - Tri-Fold 40/80 Foot Boom Parts List.....	49
Wings - Tri-Fold 40/80 Foot Boom	50
Wings - Tri-Fold 40/80 Foot Boom Parts List.....	51
Wings - Tri-Fold 60/88 Foot Boom	52
Wings - Tri-Fold 60/88 Boom Parts List.....	53
Wings - Tri-Fold 60/88 Foot Boom	54
Wings - Tri-Fold 60/88 Boom Parts List.....	55
Wings - Narrow Tri-Fold 60/88 Foot Boom	56
Wings - Narrow Tri-Fold 60/88 Boom Parts List	57
Wings - Narrow Tri-Fold 60/88 Foot Boom	58
Wings - Narrow Tri-Fold 60/88 Boom Parts List	59
Wings - Tri-Fold 60/90 Foot Boom	60
Wings - Tri-Fold 60/90 Boom Parts List.....	61
Wings - Tri-Fold 60/90 Foot Boom	62
Wings - Tri-Fold 60/90 Boom Parts List.....	63
Wings - Narrow Tri-Fold 60/90 Foot Boom	64
Wings - Narrow Tri-Fold 60/90 Boom Parts List	65
Wings - Narrow Tri-Fold 60/90 Foot Boom	66
Wings - Narrow Tri-Fold 60/90 Boom Parts List	67
Wings - Tri-Fold 100 Foot Boom	68
Wings - Tri-Fold 100 Boom Parts List.....	69
Wings - Tri-Fold 100 Foot Boom	70
Wings - Tri-Fold 100 Boom Parts List.....	71
Breakaway Pivot.....	72
Breakaway Pivot Parts List.....	73
Tank Assembly.....	74
Tank Assembly Parts List.....	75
Tank Assembly (continued).....	76
Tank Assembly Parts List.....	76
Rinse Tank, Plumbing & Sight Gauge	77
Rinse Tank, Plumbing & Sight Gauge Parts List	78
9600N Trailer Decals and Misc	80
9600N Trailer Decals and Misc Parts List.....	80
Quick Fill & Pump Feed - 60-66 Ft Boom With ACE 150-206 Pump.....	82
Quick Fill & Pump Feed - 60-66 Ft Boom With ACE 150-206 Pump Parts List.....	83
Pump Option - 60' - 66' Boom With ACE 105-206 Pump.....	84
Pump Option - 60' & 66' Boom With ACE 150-206 Pump Parts List.....	85
Pump Option - 60' - 100' Boom With ACE 205-304 Pump.....	86
Pump Option - 60' - 100' Boom With ACE 205-304 Pump Parts List.....	87
Pump Option - 80, 90 & 100' Boom With ACE 205-304 PWM Pump.....	88



ILLUSTRATED PARTS LIST

Pump Option - 80, 90 & 100' Boom With ACE 205-304 PWM Pump Parts List	89
Pump Option - 60' - 100' Boom With HYPRO Pump.....	90
Pump Option - 60' - 100' Boom With HYPRO Pump Parts List	91
Quick Fill & Pump Feed - 80,90&100 Ft Boom With HYPRO Pump.....	92
Quick Fill & Pump Feed - 80,90&100 Ft Boom With HYPRO Pump Parts List	93
Y Strainer	94
Y Strainer Parts List 530125	95
Electrical Valving Option	96
Electrical Valving Option 99FSEVO Parts List.....	97
Pump Electric Valve Option.....	98
Electric Valve 500080	98
Pump Electric Valve Option.....	99
ACE 150-206 Pump 550000, 60 & 66 Foot Boom.....	100
ACE 150-206 Pump Hydraulic Motor, 60 & 66 Foot Boom	101
ACE 205-304 Pump 550025.....	102
ACE 205-304 Pump 550025 Parts List.....	103
ACE 205-304 PWM Pump 550035	104
ACE 205-304 PWM Pump 550035 Parts List	105
ACE 255F -304 (PWM) Pump 550055 (550056).....	106
ACE 255F -304 (PWM) Pump 550055 (550056) Parts List	106
ACE 750 Pump 550050.....	108
ACE 750 Pump 550050 Parts List.....	108
ACE 750 PWM Pump 550044	110
ACE 750 PWM Pump 550044 Parts List	110
HYPRO 9306 Pump 550045.....	112
Quick Fill - Optional 3 Inch	113
Quick Fill - Optional 3 Inch Parts List	113
Raven Flow Controls.....	114
Raven Flow Controls Parts List	115
Agitation & Rinse Control.....	116
Agitation & Rinse Control Parts List	117
Agitation Shut-Off, Electric Option	118
Agitation Shut-Off, Electric Option Parts List	118
Boom Plumbing.....	119
Boom Plumbing Parts List.....	120
Fence Line Option.....	122
Fence Line Option Parts List.....	123
Single Fence Line, Display Control.....	124
Single Fence Line, Display Control Parts List 27360	124
Dual Fence Line, Display Control.....	125



ILLUSTRATED PARTS LIST

Dual Fence Line, Display Control Parts List 27361	125
Single Fence Line, Toggle Switch Control	126
Single Fence Line, Toggle Switch Control Parts List 27362	126
Dual Fence Line, Toggle Switch Control	127
Dual Fence Line, Toggle Switch Control Parts List 27363	127
Plumbing Valves	128
Plumbing Valves Parts List.....	129
Nozzle Bodies.....	130
Delivery Tubes.....	132
Delivery Tubes Parts List	133
60 - 80' Side Fold Fitting	134
60 - 80' Side Fold Fitting Parts List 90SA6080SF.....	134
Optional Boom Cleanout with Pressure Gauge	135
Parts List 90SABCPG: Optional Boom Cleanout with Pressure Gauge.....	135
Optional Boom U-Fitting with Pressure Line.....	136
Parts List 90SAUPG: Optional Boom U-Fitting with Pressure Line	136
Option, Dual Pressure Transducers	137
Parts List 36280: Option, Dual Pressure Transducers.....	137
Steerable Hitch Hydraulic Block	138
Parts List 36685: Steerable Hitch Hydraulic Block.....	138
Hydraulic System	139
Hydraulic System Parts List	140
Hydraulic Control Valve Harness - 60 - 66 Foot Boom	141
Hydraulic Control Valve Harness - 60 - 66 Foot Boom Parts List	142
Hydraulic Control Valve - 60 - 66 Foot Boom	143
Hydraulic Control Valve - 60 - 66 Foot Boom Parts List.....	144
Hydraulic Control Valve Harness - 60 - 66 Foot Boom	145
Hydraulic Control Valve Harness - 60 - 66 Foot Boom Parts List	146
Control Console - 60 - 66 Foot Boom	147
Wiring Harness - 60 - 66 Foot Boom	149
Control Console Decal - 60 - 66 Foot Boom	150
Hydraulic Control Valve Wiring Harness - 80, 90 & 100 Foot Boom	152
Hydraulic Control Valve - 80, 90 & 100 Foot Boom - 9600	153
Hydraulic Control Valve - 80, 90 & 100 Foot Boom Parts List.....	154
Hydraulic Control Valve - 9600N	155
Hydraulic Control Valve - 9600N Parts List	156
Hydraulic Control Valve Wiring Harness	157
Control Console - 80, 90 & 100 Foot Boom	158
Control Console Switch Diagram.....	159
Wiring Harness - 80, 90 & 100 Foot Boom	160
Wiring Harness - 80, 90 & 100 Foot Boom Parts List	160
Control Console Decal - 80, 90 & 100 Foot Boom	161

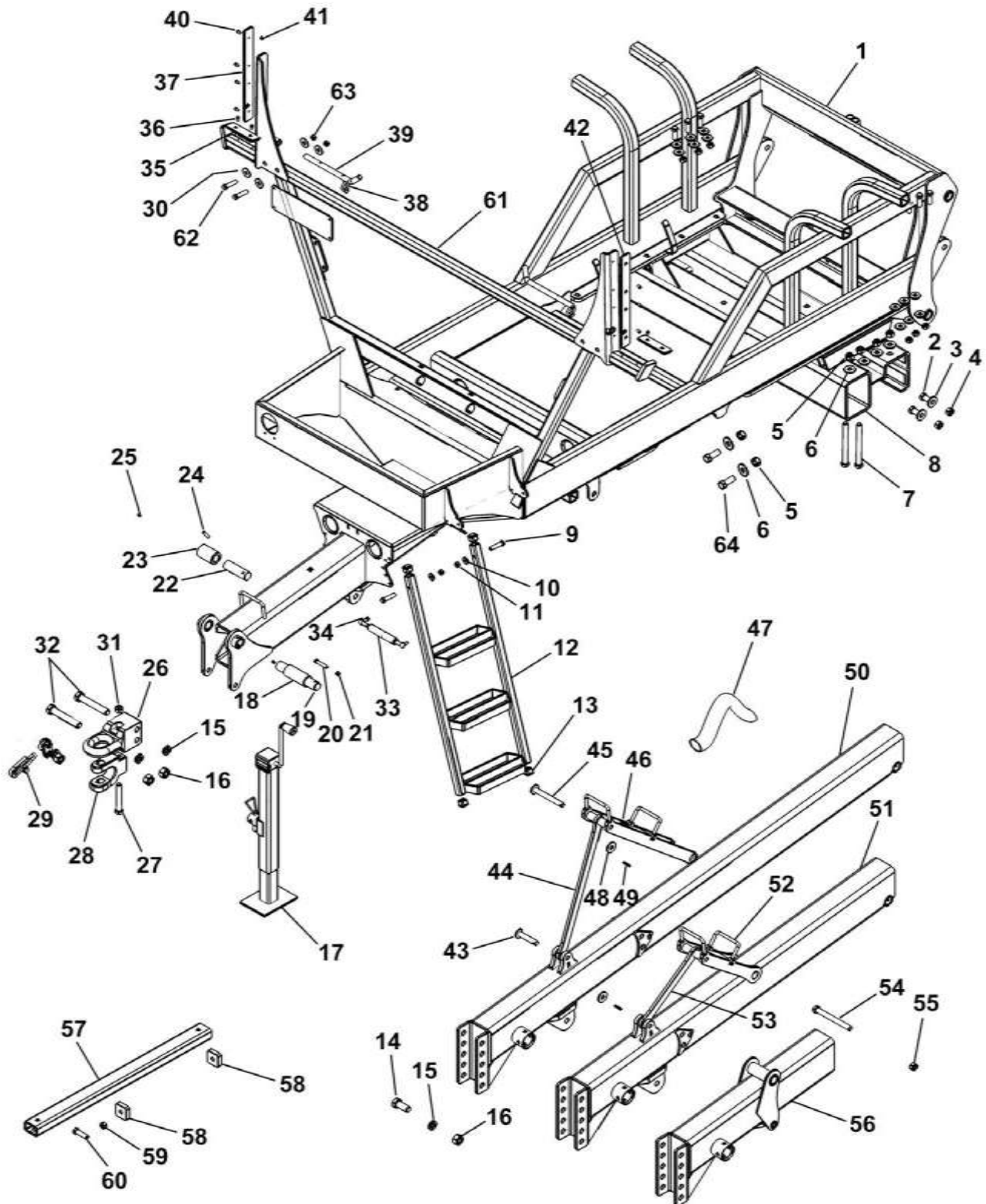
Cab Box for Electric Valving Option	162
Cab Box for Electric Valving Option 632155.....	163
9613TF-80 Hydraulic Fitting Locations	165
9613TF-80 Hydraulic Fitting Locations Parts List	166
9613TF-80 Hydraulic Fitting Locations	167
9613TF-80 Hydraulic Fitting Locations Parts List	168
Fold Block Hydraulic Hose Routing.....	169
Fold Block Hydraulic Hose Routing Parts List	169
Main Lift Hydraulic Hose Routing	170
Main Lift Hydraulic Hose Routing Parts List	170
Tilt Cylinder Hydraulic Hose Routing	171
Tilt Cylinder Hydraulic Hose Routing Parts List	171
Main Hydraulic Hose Routing.....	173
Main Hydraulic Hose Routing Parts List	174
Flip Wing Hydraulic Hose Routing.....	175
Flip Wing Hydraulic Parts List	176
Breakaway Wing Hydraulic Hose Routing.....	177
Breakaway Wing Hydraulic Hose Routing Parts List	178
Breakaway Wing Hydraulic Hose Routing.....	179
Breakaway Wing Hydraulic Hose Routing Parts List	180
Hydraulic Pump Hose Routing.....	181
Hydraulic Pump Hose Routing Parts List.....	182
Raven 450 Controller Kit With Skytrak, Up To 6 Sections.....	183
Raven ISO Rate Control Module, Cables To Tractor, ISO Hookup, No VT Console	183
Deere JDRC 2000 ISO Rate Controller, Cables To Tractor, ISO Hookup, No VT Console.....	184
47 Pin Product Control Cable - Customer Supplied JDRC2000 Rate Controller / Raven RCM	184
47 Pin To 37 Pin Product Control Cable - Customer Supplied GreenStar Rate Controller	185
47 Pin To 16 Pin Product Control Cable - Customer Supplied Raven 450	185
47 Pin Product Control Cable - Customer Supplied Rate Controller.....	185
Raven CR7 ISO Display With Deere Harness (Deere ISO Controller)	185
Raven CR7 ISO Display With Harness (Non-Deere ISO Controller).....	186
Raven CR7 ISO Display With Complete ISO Harness (Non-ISO Tractor)	186
Flow-Back Ball Valve Line Rinse - Electric Valve With Toggle Switch.....	186
Control Console Wiring Harness	187
Adapter Cable, 16 Pin Console To 47 Pin Product Port (632028)	189
Cable, 81 Pin ECU, 47 Pin Rate Control Interface (632029)	190
Cable, 81 Pin ECU, 47 Pin Rate Control Interface (632029)	191
Cable, Pull Type Sprayer Frame, 14' 47 Pin To 47 Pin (632035).....	192
Adapter Cable, 17', 9 Pin IBIC / 3 Pin Master to Gen 1 Isobus (632031)	193
Cable, Foot Switch, 12' (632061)	194
Cable, Raven ISO/Power With IBBC Connector (632064).....	195
Cable, Raven ISO/Power With IBBC Connector (632064).....	196
CAN/Power Cable, OEM ISO To Raven ISO Bulkhead (632065).....	197
Cable, CR7, ISO VT Only (632066).....	198
Cable, Display Port, Y Adapter (632067).....	199

Adapter Cable, 37 Pin Console To 47 Pin Product Port (632070)	200
Product Cable, 47 Pin, 6 Section, Liquid, FAST, Center Mount (632077)	201
Product Cable, 47 Pin, 6 Section, Liquid, FAST, Center Mount (632077)	202
Product Cable, 47 Pin, 10 Section, Liquid, FAST 6'(632078)	203
Product Cable, 47 Pin, 10 Section, Liquid, FAST 6'(632078)	204
9613TF Harness Identification & Location	205
9613TF Harness Identification & Location Parts List	206
Lighting Harness Routing	207
Lighting Harness Routing Parts List	208
Blue Lights	209
Blue Lights Parts List 28959	209
Product Control Harness Routing	211
Product Control Harness Routing Parts List	212
Fold Harness Routing	213
Fold Harness Routing Parts List	214
Harness Extension, Rotary Sensor	215
Parts List 37522: Harness Extension, Rotary Sensor	215
Harness Extension, 2-Pin Deutsch	216
Parts List 37523: Harness Extension, 2-Pin Deutsch	216
Pressure Transducer Kit	217
Pressure Transducer Kit Parts List	217
Powerglide Wiring Schematic	218
Powerglide Plus Wiring Schematic	219
Powerglide Wiring Schematic	220
Powerglide Hydraulic Block	221
Powerglide Solid Axle	222
Powerglide & Powerglide Plus Mounting Brackets	223
Powerglide & Powerglide Plus Mounting Brackets Parts List	224
Powerglide Plus Hydraulic Block	225
Powerglide Plus Cushioned Axle	226
Raven Sensor Mounts	227
Raven Sensor Mounts Parts List	228
Raven UltraGlide Gen I Wiring	235
Raven UltraGlide Gen II Wiring	236
Raven XRT Wiring	237
Raven XRT Components, Tri-Fold	240
Raven XRT Components, Tri-Fold Parts List 35900	241
Raven XRT Components, Truss	242
Raven XRT Components, Truss Parts List 35901	245
Wing Tilt Options	246
Wing Tilt Options Parts List	246
Raven Hawkeye	247
Raven Hawkeye Parts List	248

Electronic Sight Gauge.....	249
Electronic Sight Gauge Parts List.....	250
Electronic Sight Gauge - Sensor Tube	251
Electronic Sight Gauge - Power Cable	252
HYPRO Cleanload Eductor & Mounting, 7.5 Gallon.....	253
HYPRO Cleanload Eductor & Mounting, 7.5 Gallon Parts List	254
HYPRO Cleanload Eductor, 7.5 Gallon	255
HYPRO Cleanload Eductor, 7.5 Gallon Parts List 570119	256
Richway Direct Injection Foamer & Mounting.....	257
Richway Direct Injection Foamer & Mounting Parts List	258
Richway Foam Marker 1 Gallon Tank & Switchbox	259
Richway Foam Marker Liquid Flow	260
Richway Foam Marker Compressor.....	261
Richway Foam Marker Foamhead.....	262
Richway Foam Marker Foam Head Assembly.....	263
Richway Foam Marker	Collector
Deflector	264
Richway Foam Marker	Wiring Harness
Remote Boom Shut Off	Kit (6 Section
Shown).....	265
266	



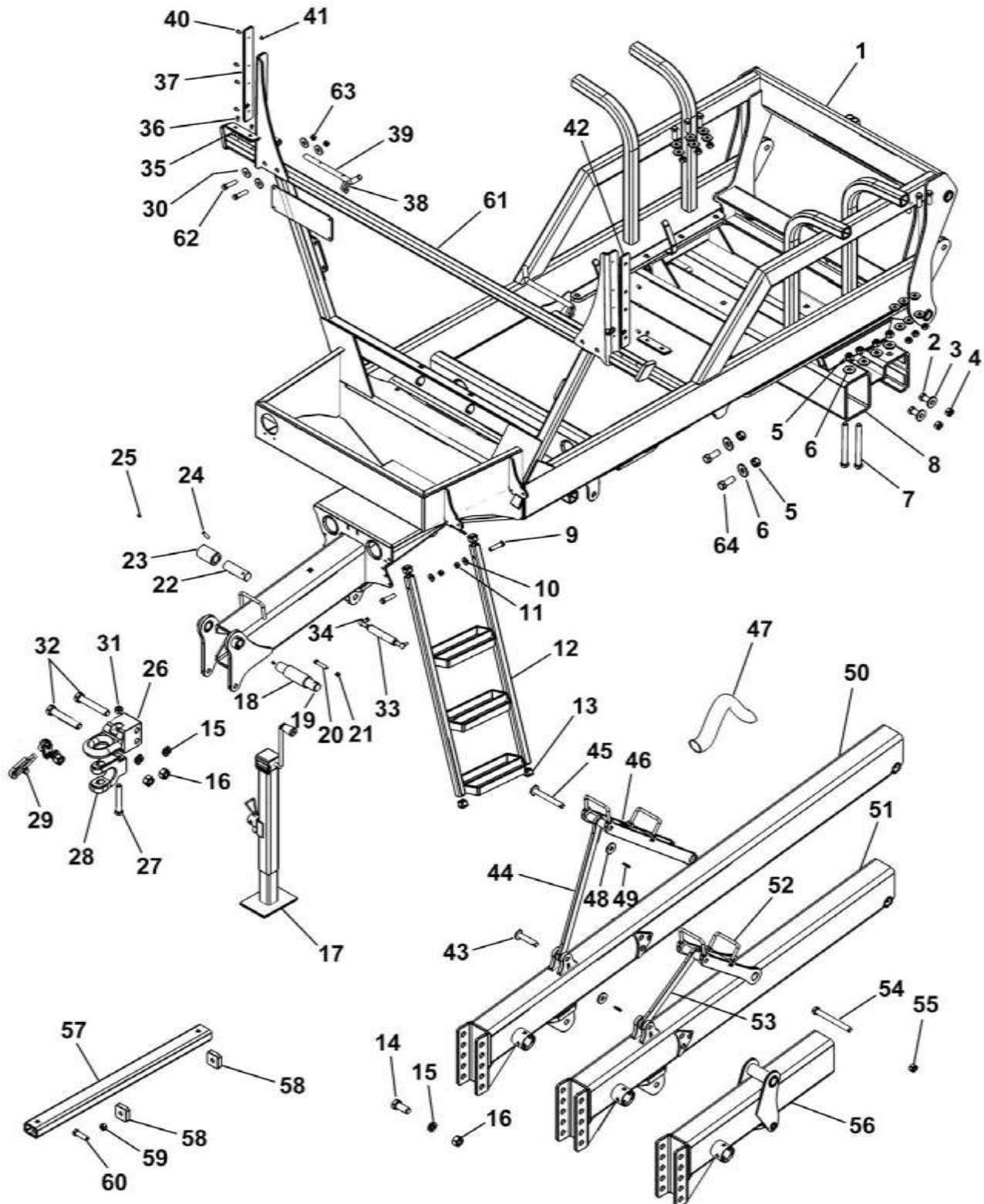
Trailer - 9600



Trailer - 9600 Parts List 14475

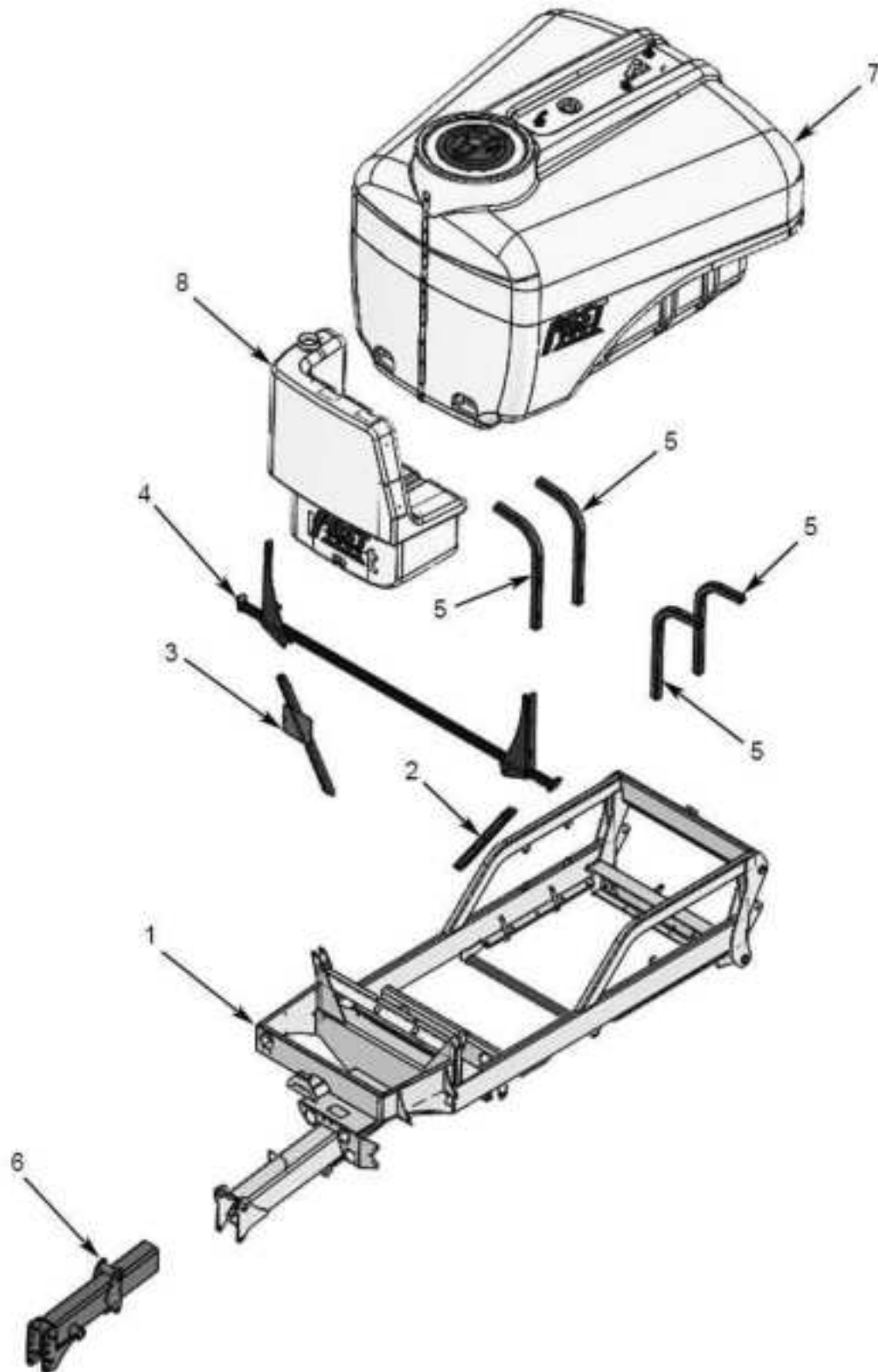
ITEM	VENDOR PART #	FAST PART #	DESCRIPTION	QTY.	60'	80 - 90'	100'
1		13501	FAST TRAILER 9600 SERIES	1			
2		170	BOLT HH 5/8 X 2.5 GR5 ZP	6			
3		261	WASHER FLAT 5/8 ZP	12			
4		240	NUT HH 5/8 CENTERLOCK ZP	6			
5		241	NUT HH 3/4 CENTERLOCK ZP	4			
6		262	WASHER FLAT 3/4 ZP	4			
7		488	BOLT HH 3/4 X 8.5 GR5 ZP	2			
8		13512	AXLE HOUSING RECEIVER	1			
9		155	BOLT HH 1/2 X 2-1/2 GR5 ZP	2			
10		260	WASHER FLAT 1/2"	2			
11		231	NUT HH 1/2" CENTERLOCK ZP	2			
12		10620	LADDER 3 STEP	1			
13		4191	CAP BLACK DRIVE-IN	4			
14		199	BOLT HH 1 X 2-1/2 GR5 ZP (ATTACH ITEM 29 TO HITCH)	1			
15		255	WASHER LOCK 1" ZP (ATTACH ITEM 29 TO HITCH)	1			
16		218	NUT HH 1" ZP (ATTACH ITEM 29 TO HITCH)	1			
17	FASTHD800	790005	JACK 8000# SIDE WIND FAST HD800	1			
NS	P800-001		BLACK HANDLE (PART OF FASTHD700)	AR			
NS	P700-020		9" HANDLE KIT (PART OF FASTHD700)	AR			
NS	P700-040		HD700 SIDE WIND GEAR KIT (PART OF FASTHD700)	AR			
NS	P700-080		HD700 BEARING KIT (PART OF FASTHD700)	AR			
NS	P800-060		5/8" PIN WITH CHAIN AND CLIP (PART OF FASTHD700)	AR			
18		10713	ROLLER EXTERNAL	1			
19		8933	PIN ROLLER EXTERNAL	1			
20		131	BOLT HEX HEAD 3/8 X 2-1/2 GR5 ZP	1			
21		237	NUT HEX HEAD 3/8" CENTERLOCK ZP	1			
22		10710	PIN INTERNAL ROLLER	1			
23		10709	ROLLER INTERNAL	1			
24		707	PIN SPRING 3/8 X 2	1			
25		759	ZERK 1/4-28 TPI	2			
26	PPI-301V3-10	790003	HITCH CAT 3	1			
27		390	BOLT HH 3/4 X 5-1/2 GR8 ZP	1			
28	PPI-208-VR-10	790002	CLEVIS FOR HITCH	1			
29	PPSC21A	790015	SAFETY CHAIN 20,200#	1			
30		260	WASHER FLAT 1/2 ZP	8			
31		233	NUT HH 3/4" NYLOCK ZP	1			
32		564	BOLT HH SPECIAL 1 X 6-1/2 GR 5 ZP	2			
33	22011A3	590010	(BEFORE 2024-07) EASYLIFT CYLINDER	1			
	-	590461	(AFTER 2024-07) GAS SHOCK (FOR USE WITH LADDER, 12)				

Trailer - 9600



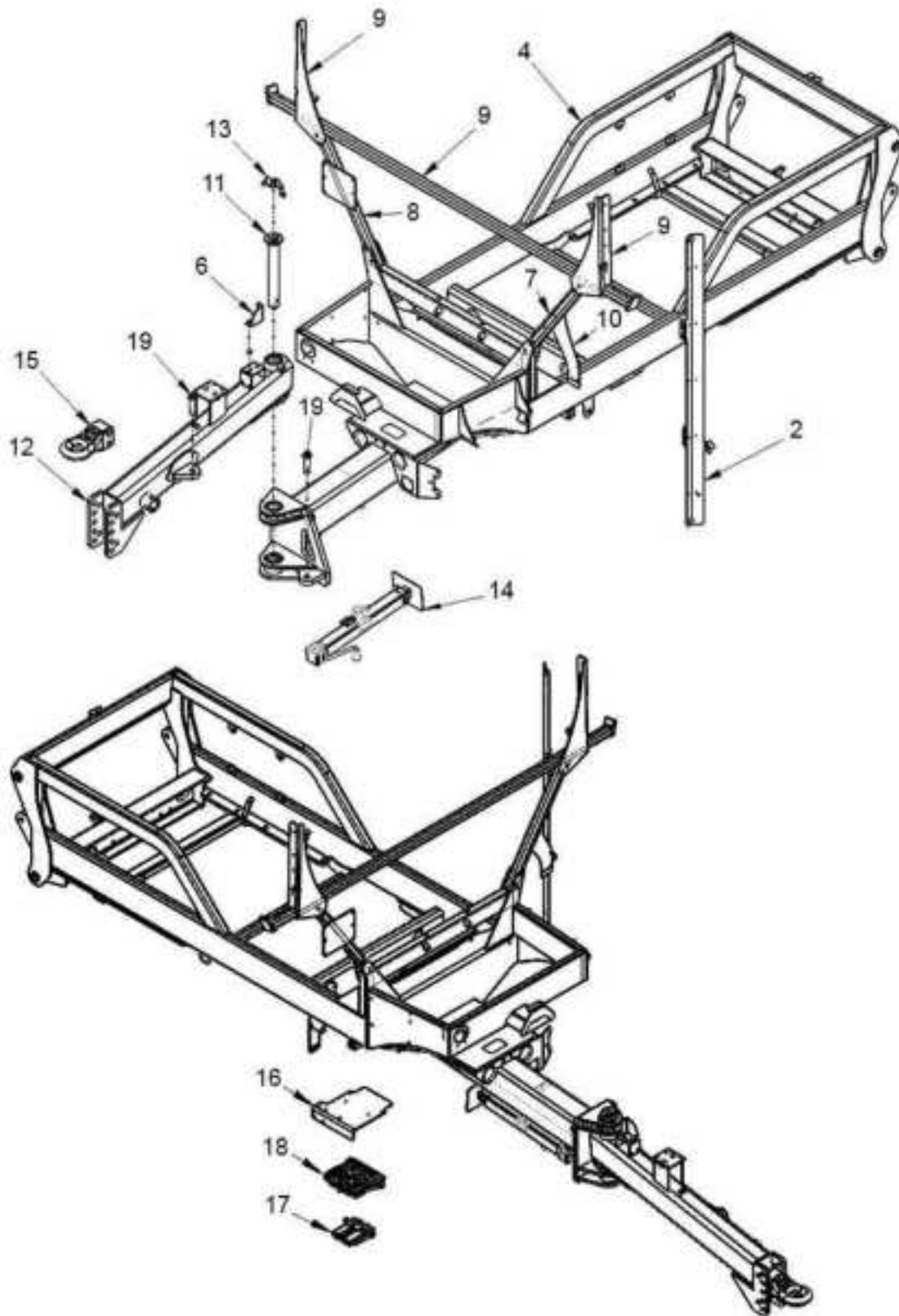
Trailer - 9600 Parts List 20124TA

ITEM	VENDOR PART #	FAST PART #	DESCRIPTION	QTY.	60'	80-90'	100'
34		855	NUT HH M8 ZP (FOR USE WITH LADDER 10620 ITEM 12)	1			
35		7781	WEAR PAD PLASTIC TRANSPORT SADDLE BASE	2			
36		581	RIVET 1/4" DRIVE IN	4			
37		11050R	VERTICAL STOP CHAM FERED PLASTIC RIGHT	1			
38	715300927	720001	KWIK CLIP PIN	2			
39		7618	SAFETY LATCH PIN	2			
40		671	FLAT HEAD SOCKET CAP SCREW 1/4X 7/8"	8			
41		235	NUT HEXHEAD 1/4" CENTERLOCK ZP	8			
42		11050L	VERTICAL STOP CHAMFERED PLASTIC LEFT	1			
43		10779	PIN PIVOT			2	2
44		13511	LINK FRONT 100' TONGUE				1
45		8341	PIN PIVOT			1	1
46		13510	LINK REAR 100' TONGUE				1
47	NHS-FS334	790018	NYLON SLEEVING 7'	1			
48		262	WASHER FLAT 3/4 ZP	1			
49		683	PIN SPRING 1/4 X 1-1/2	1			
50		13507	TONGUE RETRACTABLE 100'				1
51		13503	TONGUE RETRACTABLE 80'			1	
52		13505	LINK REAR 80' TONGUE			1	
53		13506	LINK FRONT 80' TONGUE			1	
54		487	BOLT HEX HEAD 3/4 X 8 GR5 ZP		1		
55		241	NUT HEX HEAD 3/4" ZP		1		
56		13504	TONGUE FIX ED 60', N ON W EIGHTED	1	1		
56		13730	TONGUE WEIGHTED, SHORT, 80', 90' & 100' (SEE NOTE)	1	1	1	1
			NOTE: required on 9600N/TF 60' & 66' boom with axle in forward position and with all booms larger than 66'.				
57		13594	TUBE TANK SUPPORT	AR			
58		13590	SPACER TUBE TANK SUPPORT	AR			
59		250	NUT HEX HEAD 5/8" ZP	AR			
60		171	BOLT HEX HEAD 5/8 X 2-1/2" G R 5 ZP	AR			
61		13246	WING REST, TOP	1			
62		157	BOLT HEX HEAD 1/2 X 3-1/2 G R 5 ZP	4			
63		239	NUT HEX HEAD 1/2 CENTER LOCK ZP	4			
64		174	BOLT HEX HEAD 3/4 X 2 GR5 ZP	2			

Trailer - 9600N

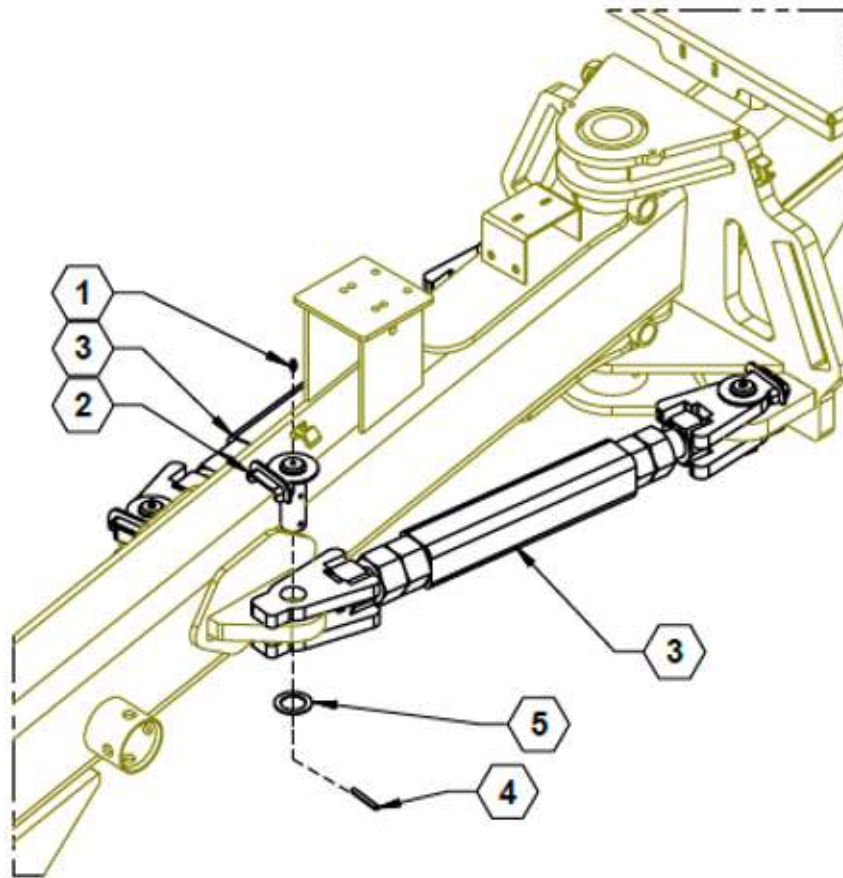
Trailer - 9600N Parts List 20124TAN

ITEM	PART NO.	QTY.	DESCRIPTION
1	21250	1	1050 & 1350 TRAILER, 9600N, NON-STEERABLE
1	21261	1	1050 & 1350 TRAILER, 9600N, STEERABLE
2	21182	1	TUBE, BRACE
3	21255	1	TUBE WITH HANDWASH
4	21198	1	WING REST, TOP, 80-90 STYLE
5	18187	4	TANK SUPPORT
6	13504	1	TONGUE, BOLT ON, NON-WEIGHTED, FIXED 60'
6	13730	1	TONGUE, BOLT ON, WEIGHTED, 80', 90' & 100' (SEE NOTE)
			NOTE: Required on 9600N/TF 60' & 66' boom with axle in forward position and with all booms larger than 66'.
7	570054*	1	TANK, 1050, AG WHITE, Complete With Fittings and Lid
7	570055*	1	TANK, 1050, AG YELLOW, Complete With Fittings and Lid
7	570058*	1	TANK, 1350, AG WHITE, Complete With Fittings and Lid
7	570059*	1	TANK, 1350, AG YELLOW, Complete With Fittings and Lid
8	570003TNK	1	RINSE TANK, 100 GALLON WHITE
8	570004TNK	1	RINSE TANK, 100 GALLON YELLOW
8	10918	1	ACE Tank Fitting
			* SEE TANK ASSEMBLY PAGE

Steerable Trailer - 9600N

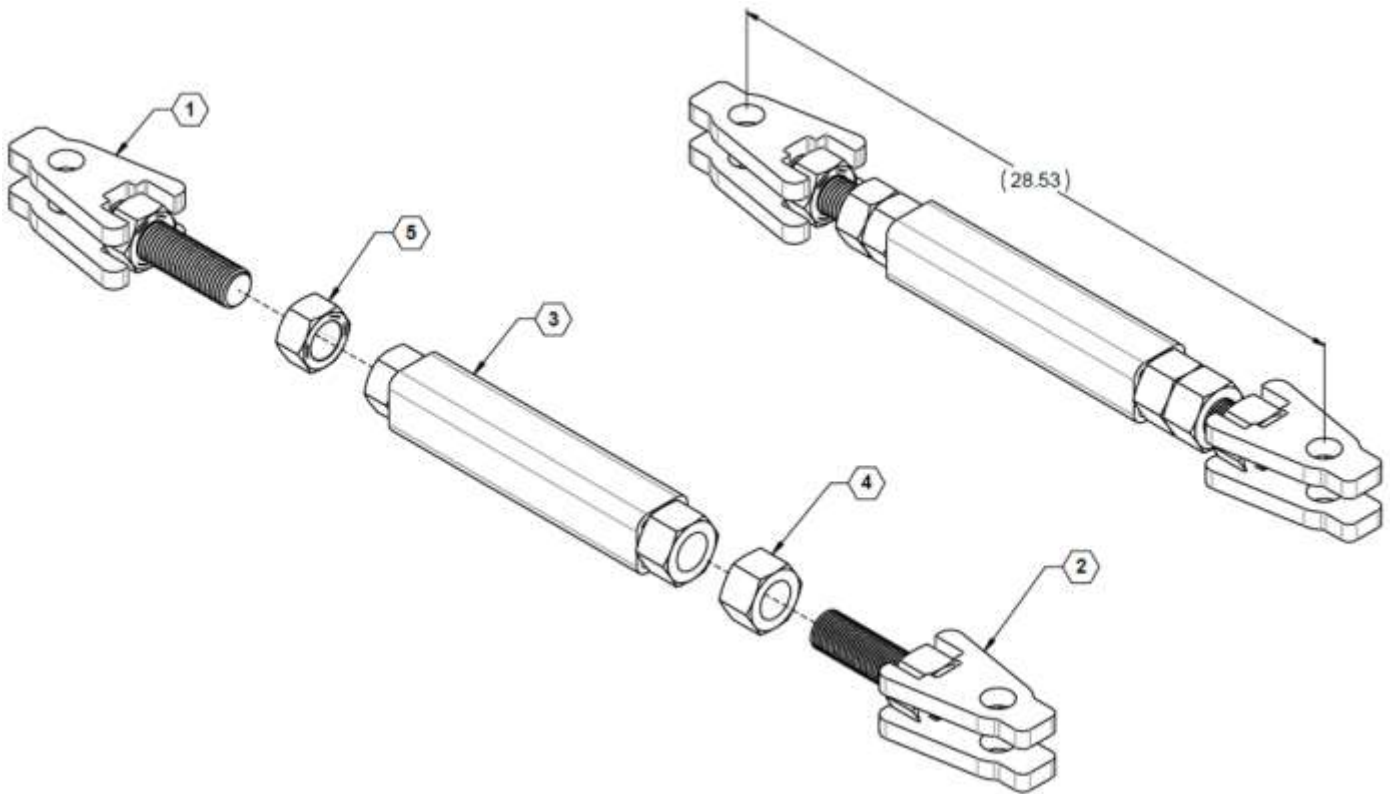
Steerable Trailer - 9600N Parts List 20126TASH

ITEM	PART NO.	QTY.	DESCRIPTION
1	2284	1	3/16 x 1 1/4 HRFLAT
2	10921	1	FORMED SIGHT GAGE
3	13594	1	TUBE, SUMP SUPPORT
4	21261	1	9600N STEERABLE HITCH TRAILER
5	15277	2	WASHER, STAINLESS STEEL
6	21273	1	INDICATOR, STEERABLE HITCH
7	21182	1	TUBE, BRACE
8	21255	1	TUBE WITH HANDWASH
9	21198	1	WING REST, TOP, 80-90 STYLE
10	21205	1	BRACKET, SIGHT GAUGE
11	26056	1	PIN, STEERABLE HITCH
12	26060	1	TONGUE
13	26190	1	MOUNT, SENSOR
14	790005	1	JACK STAND
15	PPI401	1	HITCH
16	26327	1	MOUNT, RAVEN NODE
17	Node Assembly	1	NODE ASSEMBLY
18	063-0173-752	1	RAVEN CONTROL MODULE
19	21207	2	STEERABLE HITCH CYLINDER PIN
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
NS	800208	1	DECAL, HYDRAULIC HOSE KEY

Steerable Ready**Parts List 35850: Steerable Ready**

ITEM	PART NO.	QTY.	DESCRIPTION
1	759	4	ZERK, 1/4-28 STRAIGHT PIPE THREAD
2	28927	4	WLDMT, STEERABLE HITCH PIN
3	35705	2	ASSY, TURNBUCKLE
4	596301M	4	PIN, SPRING, 1/4 X 2" MAGNI
5	596744M	4	BUSHING, MACHINE, 1-1/4 x 14 GA MAGNI

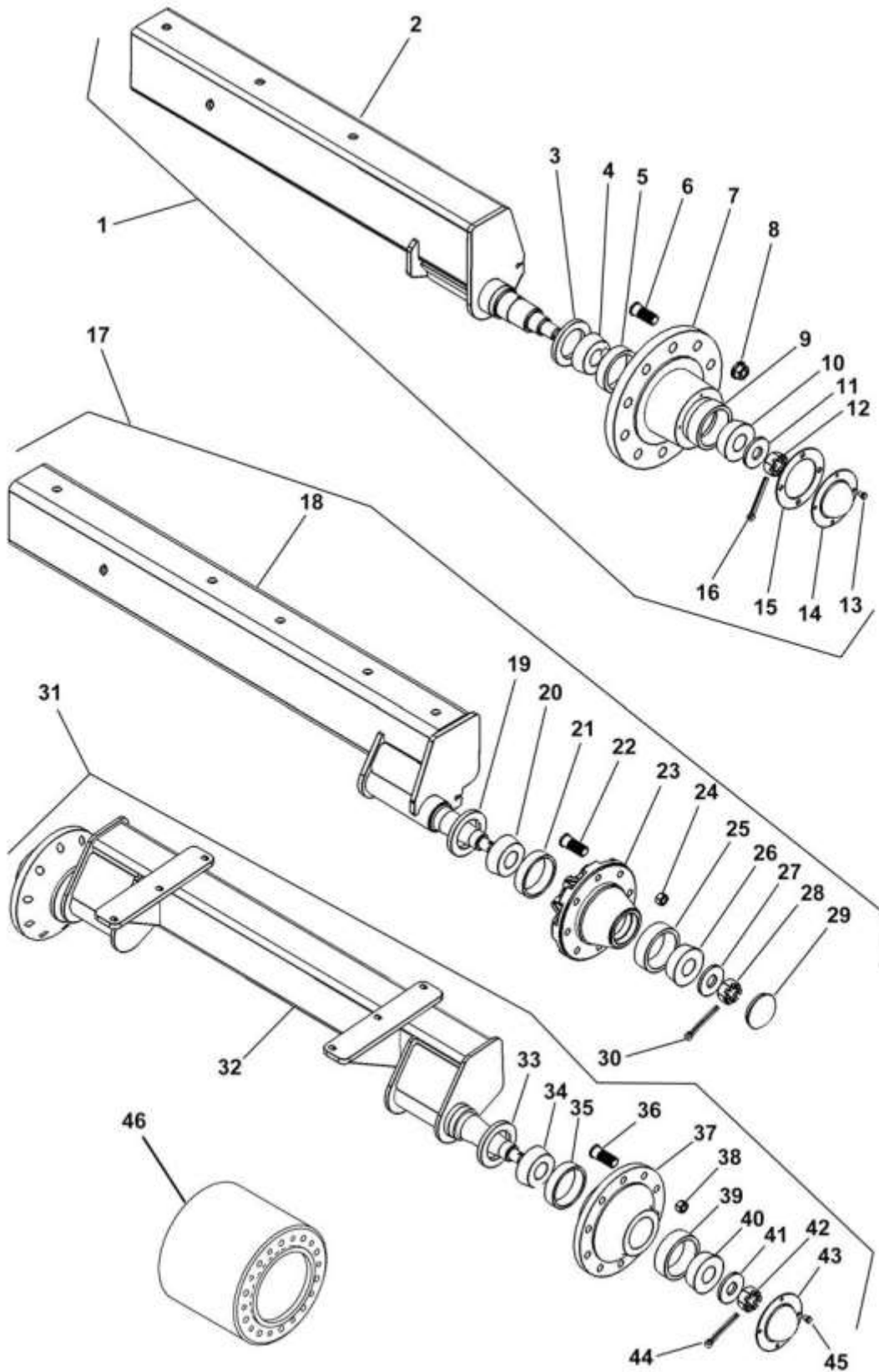
Steerable Ready Turnbuckle



Parts List 35705: Steerable Ready Turnbuckle

ITEM	PART NO.	QTY.	DESCRIPTION
1	35736	1	WELDMENT, LH TURNBUCKLE
2	35737	1	WELDMENT, RH TURNBUCKLE
3	35738	1	WELDMENT, TURNBUCKLE CLAMP
4	596813M	1	NUT, HEX 1-1/2-6 GR8 MAGNI
5	596857M	1	NUT, LH HEX 1-1/2-6 GR8 MAGNI

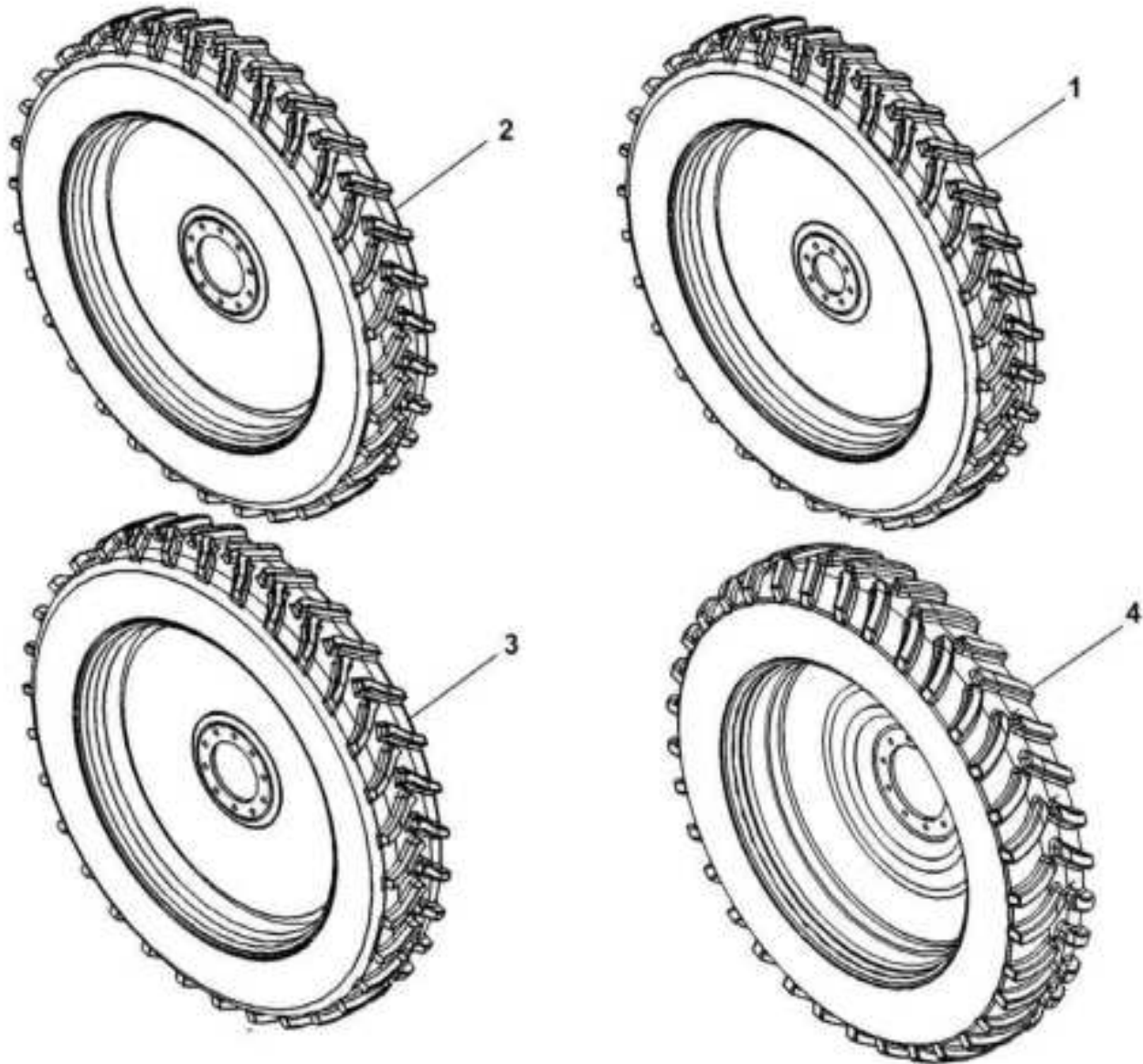
Axles



Axles Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		13586	2	AXLE ASS EM BLY 10 BOLT (INC 2 - 16)
2		13518	2	TRAILER NARROW AXLE SUB WELD 3-3/8" SPINDLE
3	946275	730013	2	SEAL 873 SERIES HUB
4	NI-910398/332752	730011	2	CONE INNER 873 SERIES HUB
5	NI-910397/133462		2	CUP INNER 873 SERIES HUB
6	NI-953033	1683	20	STUD WHEEL
7	NI-289121	730002	2	HUB 10 BOLT WITH CUPS 873 SERIES HUBS, 15.000#
8	NI-913571	730051	20	NUT WHEEL
9	NI-910332/453A	1679	2	CUP OUTER
10	NI-910334/460	1681	2	CONE OUTER
11	NI-913632	1688	2	WAS HER SPINDLE
12	NI-912969	1689	2	NUT SPINDLE 1.25-12 TPI
13	NI-9052148	113	8	BOLT HH 5/16 X 1/2 GR5 ZP
14	1682	730072	2	HUB CAP Q-871 HUB
15	1686	730016	2	GASKET HUB CAP
16	NI-905944	1690	2	COTTER PIN
17		13588	2	AXLE ASSEMBLY 9600 8-BOLT Q758 HUB, 7500# (INC 18 - 30)
18		13587	2	TRAILER NARROW AXLE SUB WELD
19	NI-946486 CR29968	1669	2	SEAL 8 BOLT
20	NI-910359/387AS	730020	2	CONE INNER
21	NI-910358/382A	730058	2	CUP INNER
22	NI-943527	1667	16	STUD WHEEL
23	NI-281189	730059	2	HUB 8 BOLT 7500# WITH CUPS
24	NI-913557	730024	16	NUT WHEEL
25	NI-910272/LM501310	730051	2	CUP OUTER
26	NI-910273/LM501349	730021	2	CONE OUTER
27	NI-913624	730022	2	WAS HER SPINDLE
28	NI-912959	730023	2	NUT SPINDLE 1-14 TPI
29	NI-909912	730019	2	HUB CAP Q75-8
30	NI-905941	730025	2	COTTER PIN
31		10913	1	AXLE ASSEMBLY 10 BOLT DUALS 60"-120" TW (INC 32 - 45)
31	NOT ILLUSTRATED	10907	1	AXLE ASSEMBLY 10 BOLT DUALS 88"-132" TW (INC 32 - 45)
31	NOT ILLUSTRATED	10910	1	AXLE ASSEMBLY 10 BOLT DUALS 80"-120" TW (INC 32 - 45)
32		10917	1	TRAILER AXLE 30" ROW
32	NOT ILLUSTRATED	10908	1	TRAILER AXLE 22" ROW
32	NOT ILLUSTRATED	10911	1	TRAILER AXLE 20" ROW
33	NI-906979	730041	2	SEAL
34	NI-910346	730043	2	CONE INNER
35	NI-910334	730012	2	CUP INNER
36	NI-953035		20	STUD WHEEL
37	NI-281171	730060	2	HUB 10 BOLT, 20,000#
38	NI-913571	730051	20	NUT WHEEL
39	NI-910384	1679	2	CUP OUTER
40	NI-910347	730037	2	CONE OUTER
41	NI-913632	730040	2	WAS HER SPINDLE
42	NI-913571	730051	2	NUT
43	NI-909921	730039	2	HUB CAP
43		730061	2	HUB CAP GASKET
44	NI-905944	730042	2	COTTER PIN
45	NI-9052148	113	8	BOLT HH 5/16 X 1/2 GR5 ZP
46		710030	2	SPACER 30" ROW 13.75" OAL
46	NOT ILLUSTRATED	710032	2	SPACER 22" ROW 7" OAL

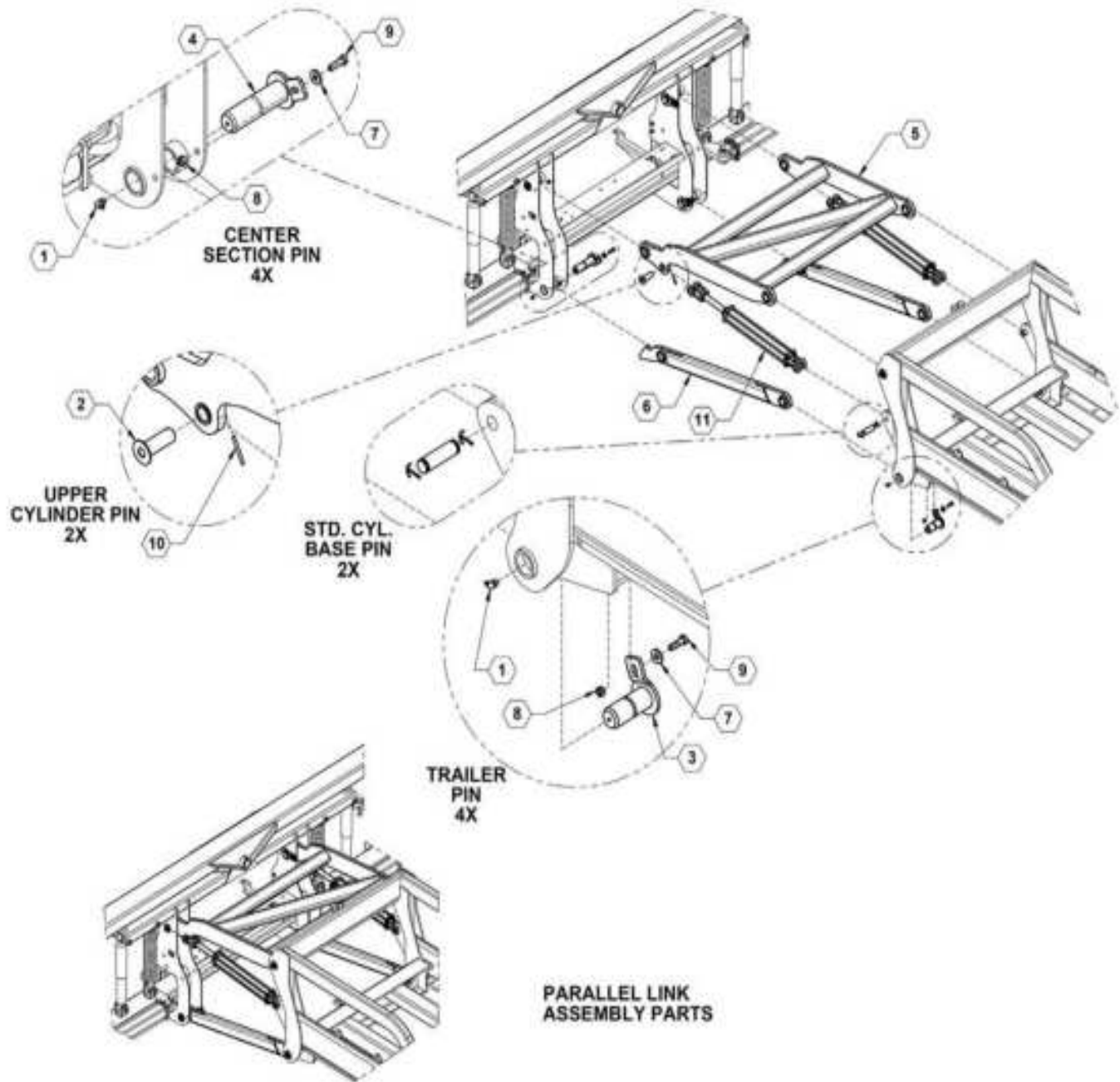
Tires



Tires Parts List

ITEM	VENDOR PART NO.	PART NO.	9600	9610/9613	DESCRIPTION
1	TT-508260000057212L	700026	1		13.6 X 38 YELLOW LH
1	TT-508260000057212R	700027	1		13.6 X38 YELLOW RH
1	TT-508260000040712L	700024	1 OPT/RED		13.6 X 38 SILVER LH
1	TT-508260000040712R	700025	1 OPT/RED		13.6 X38 SILVER RH
2	TT-51578800572011L	700010		1	320/90R46 YELLOW LH
2	TT-5157880057201R	700011		1	320/90R46 YELLOW RH
2	TT-5157880040701R	700009		1 OPT/RED	320/90R46 SILVER RH
2	TT-5157880040701L	700008		1 OPT/RED	320/90R46 SILVER LH
3	TT-512318057201R	700002		1 OPT	380/90R46 YELLOW RH
3	TT-512318057201L	700003		1 OPT	380/90R46 YELLOW LH
3	TT-5123180040701L	700001		1 OPT/RED	380/90R46 SILVER LH
3	TT-5123180040701R	700000		1 OPT/RED	380/90R46 SILVER RH
4	TT-05193450040701L	700032		2 OPT.	320/90R46 YELLOW LH DUAL
4	TT-05193450040701R	700033		2 OPT.	320/90R46 YELLOW RH DUAL
4	TT-05193450057201L	700040		2 OPT/RED	320/90R46 SILVER LH DUAL
4	TT-05193450057201R	700041		2 OPT/RED	320/90RR6 SILVER RH DUAL
4	TT-5193450057201L	700020		2 OPT.	380/90R46 YELLOW LH DUAL
4	TT-5193450057201R	700021		2 OPT.	380/90R46 YELLOW RH DUAL
4	TT-519345004071L	700034		2 OPT/RED	380/90R46 SILVER LH DUAL
4	TT-5193450040701R	700035		2 OPT/RED	380/90R46 SILVER RH DUAL

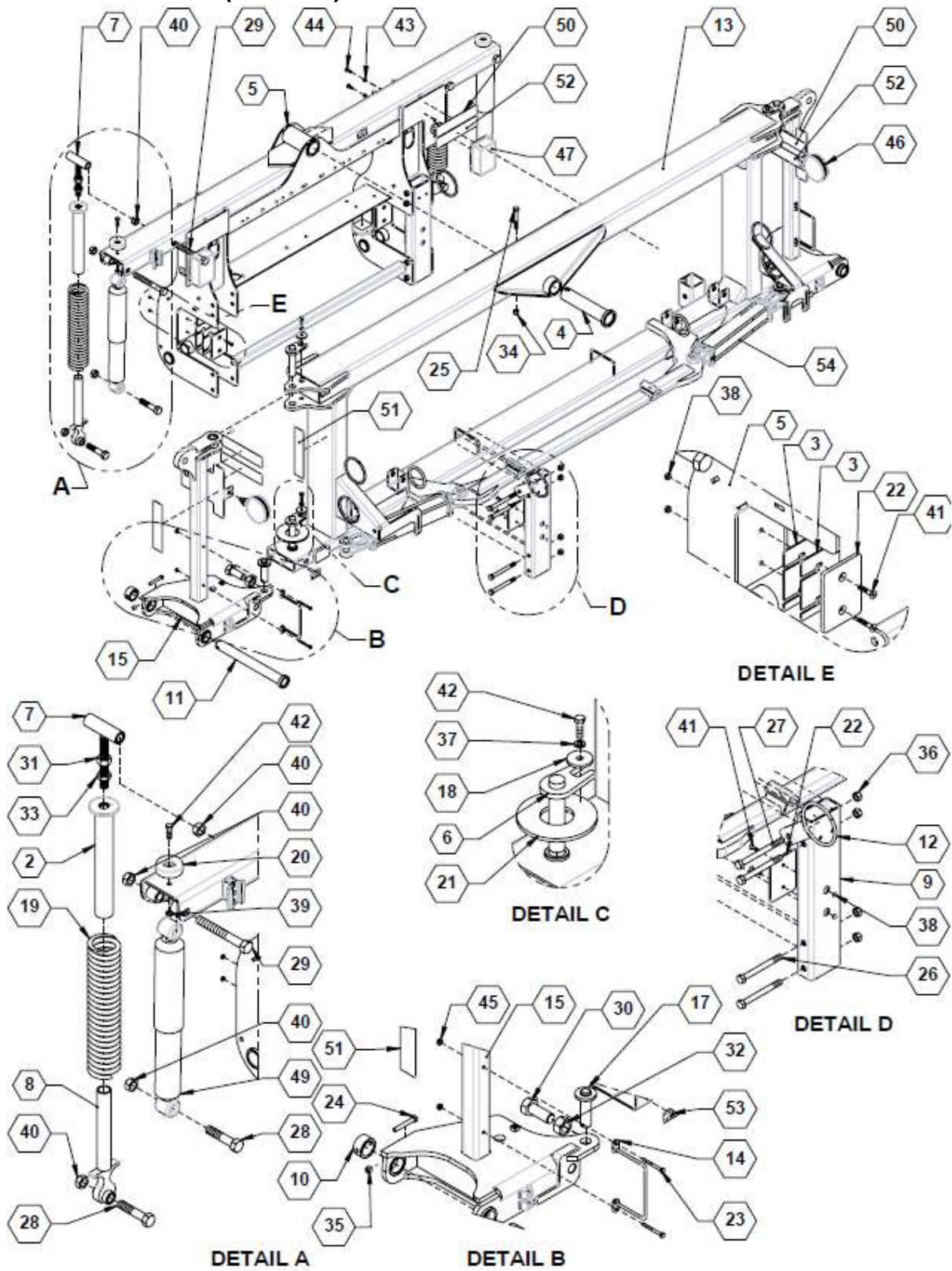
Parallel Link Assembly



Parallel Link Assembly

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 M A G N I
9	596635M	8	BOLT, HH 3/8-16 x 1-1/4 M A G N I
10	596746M	2	SPRING PIN 5X50m m M A G N I
11	620019	2	CYLINDER 20TD 16-112 MAIN LIFT

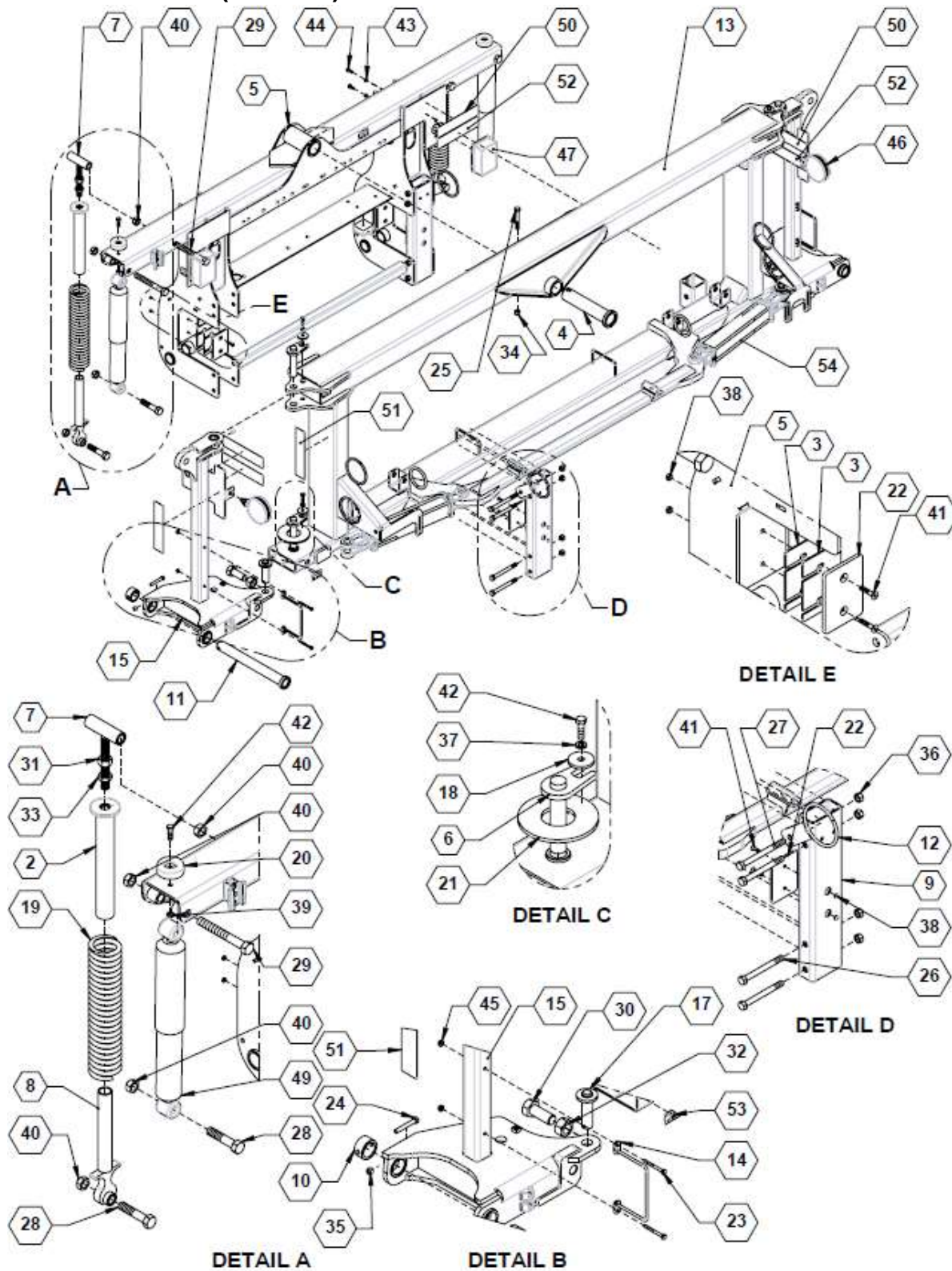
10' Center Section (Narrow)



10' Center Section (Narrow) Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	759	6	ZERK, 1/4-28 STRAIGHT PIPE THREAD
2	7442	2	OUTER SPRING GUIDE
3	11265	4	SHIM, RUB PLATE 12 Ga
4	13304	1	PIN, CENTER PIVOT
5	13806	1	CRADLE, WELDMENT
6	13874	4	PIN, WING PIVOT
7	13875	2	ADJUSTER, SPRING
8	13876	2	BASE, SPRING MT
9	13883	2	TUBE, CRADLE LOCK
10	14296	2	BUSHING W/ HOLE
11	14300	2	PIN, MAIN WING
12	14490	2	HOSE HANGER
13	14700	1	WLDMNT, NARROW CENTER
14	18267	2	BOLT ON HOSE HOLDER
15	21356L	1	9600N LH WING PIVOT
16	21356R	1	9600N RH WING PIVOT
17	28111	2	PIN WLDMNT, 1.00 CYL PIN
18	530308	4	WASHER, HEAVY 13/32 X 1 5/8
19	590011	2	CENTER SECTION SPRING
20	590026	2	BUMPER, 1X2-1/2 RUBBER ROUND
21	590042	2	WASHER, 2 1/8" ID THRUST
22	590097	4	RUB PLATE
23	596105M	4	BOLT, HH 1/4-20X2-1/2 GR5 MAGNI
24	596131M	2	BOLT, HH 3/8-16 X 2-1/2 GR5 MAGNI
25	596157M	1	BOLT, HH 1/2 X 3-1/2 GR5 MAGNI
26	596160M	6	BOLT, HH 1/2X5 GR5 MAGNI
27	596161M	2	BOLT, HH 1/2X5-1/2 GR5 MAGNI
28	596187M	4	BOLT, HH 3/4-10 X 3-1/2 GR5 MAGNI

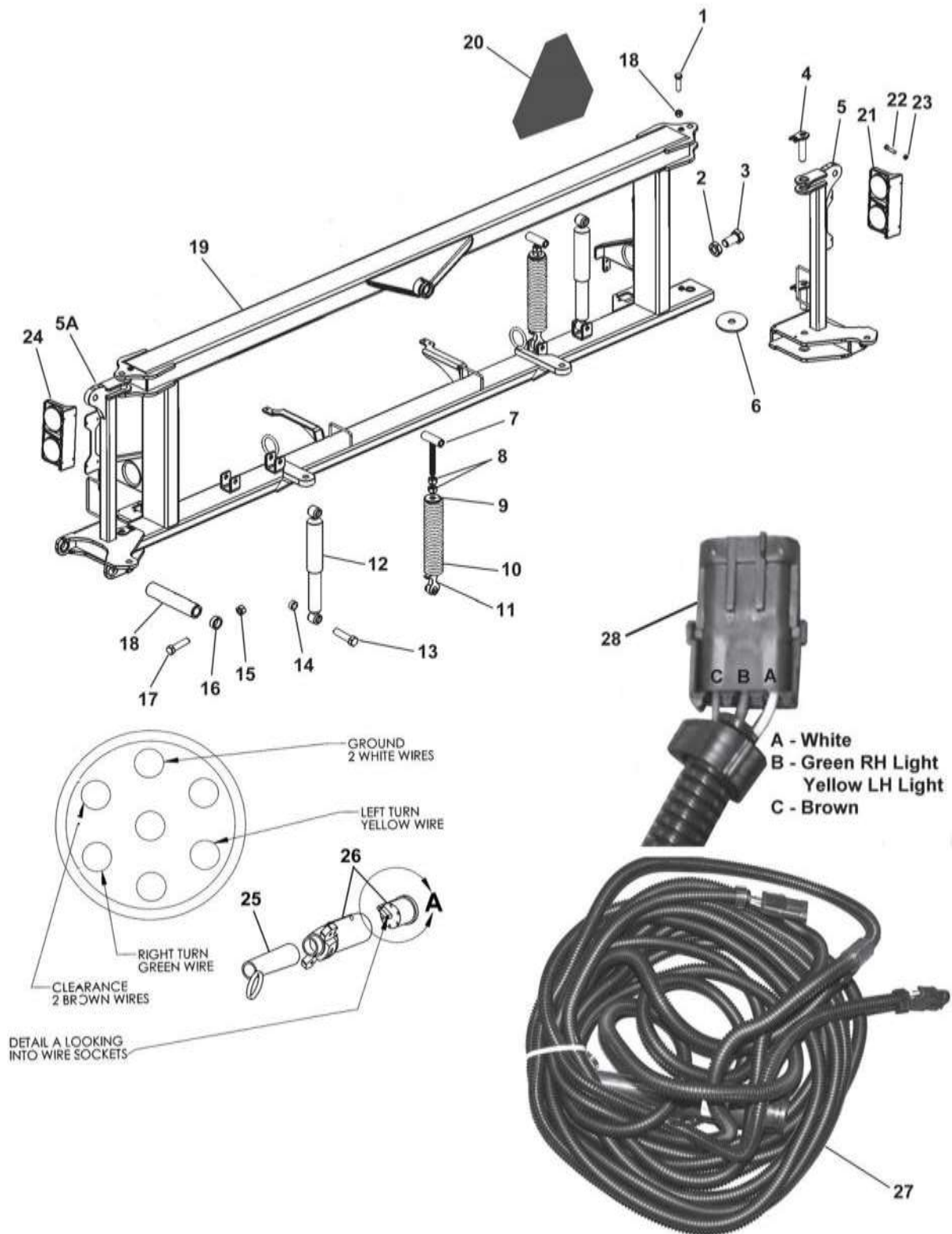
10' Center Section (Narrow)



10' Center Section (Narrow) Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
29	596192M	4	BOLT, HH 3/4-10 X 6 GR5 MAGNI
30	596199M	2	BOLT, HH 1-8X2-1/2 GR5 MAGNI
31	596217M	2	NUT, HEX 3/4-10 G5 MAGNI
32	596218M	2	NUT, HEX 1-8 MAGNI
33	596225M	2	NUT, HEX JAM 3/4-10 GR8 MAGNI
34	596231M	1	NUT, HEX NYLOCK 1/2-13 MAGNI
35	596237M	2	NUT, CENTERLOCK 3/8-16 MAGNI
36	596239M	8	NUT, CENTERLOCK, 1/2-13 MAGNI
37	596250M	4	LOCKWASHER, 3/8 MAGNI
38	596622M	8	NUT, TOPLOCK 1/4-20 MAGNI
39	596624M	2	NUT, TOPLOCK 3/8-16 MAGNI
40	596626M	8	NUT, TOPLOCK 3/4-10 G5 MAGNI
41	596631M	8	FHSCS 1/4-20 X 1-1/4 MAGNI
42	596634M	6	BOLT, HH 3/8-16X1-1/4 GR8 MAGNI
43	596728M	4	LOCKWASHER 8MM MAGNI
44	596737M	4	BOLT, HH 8-1.25 X 20MM 8.8 MAGNI
45	596767M	4	NUT, HEX FLANGE 1/4-20 MAGNI
46	740024	2	LIGHT, AMBER, PED. MOUNT
47	740025	2	LIGHT, RED SURF MNT ASSY
48	740031	1	LIGHT MODULE, SAFETY FLASHER
49	790010	2	SHOCK, YELLOW 7400 120' CENTER
50	800109	3	DECAL, RED REFLECTOR
51	800110	4	DECAL, AMBER, REFLECTOR
52	800111	3	DECAL, NON-REFLECTIVE, ORANGE
53	800287	7	DECAL, GREASE PIVOT POINTS
54	620017	2	CYLINDER 25TD12-112 DBL ACTING

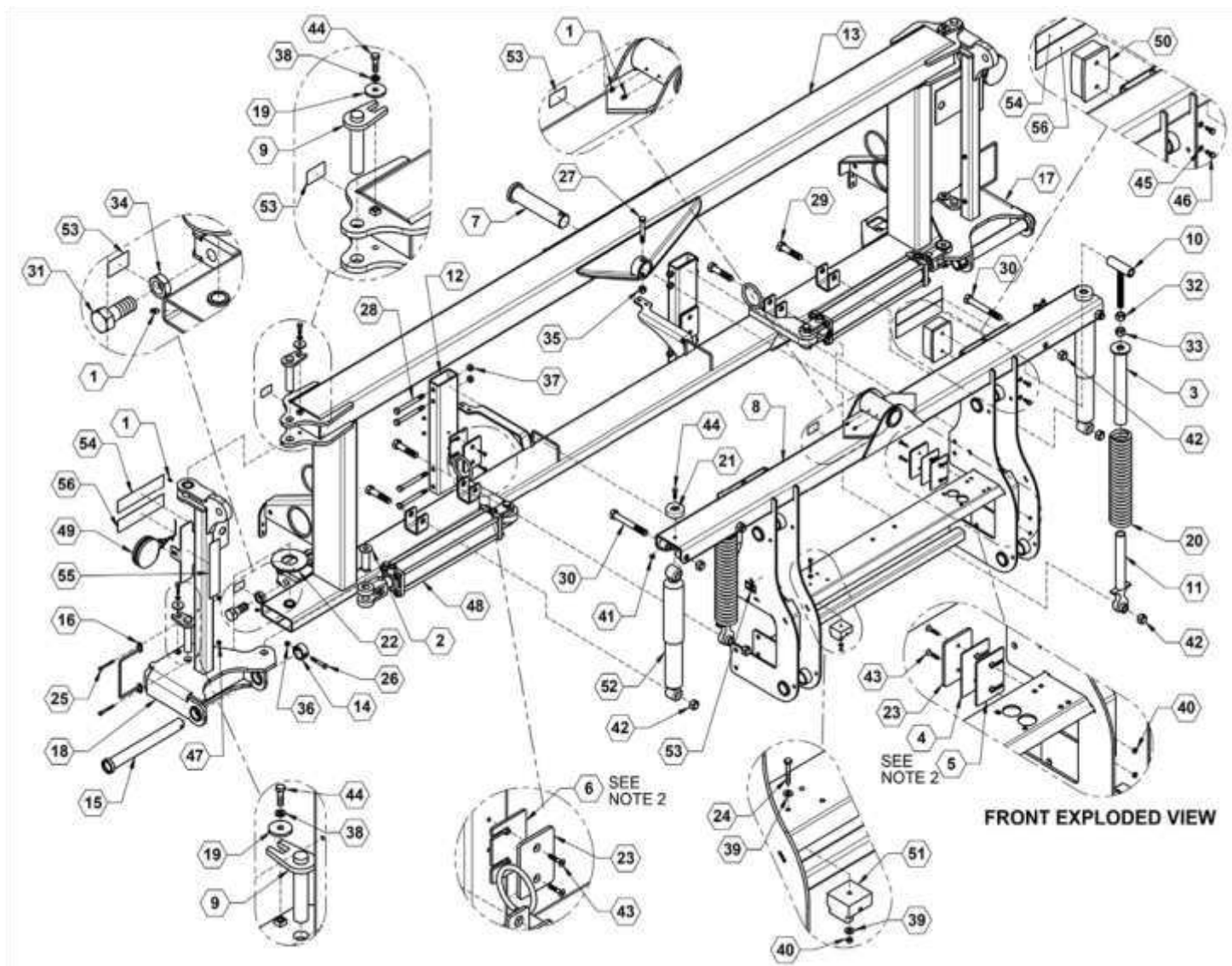
12' Center Section (Dry Boom)



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

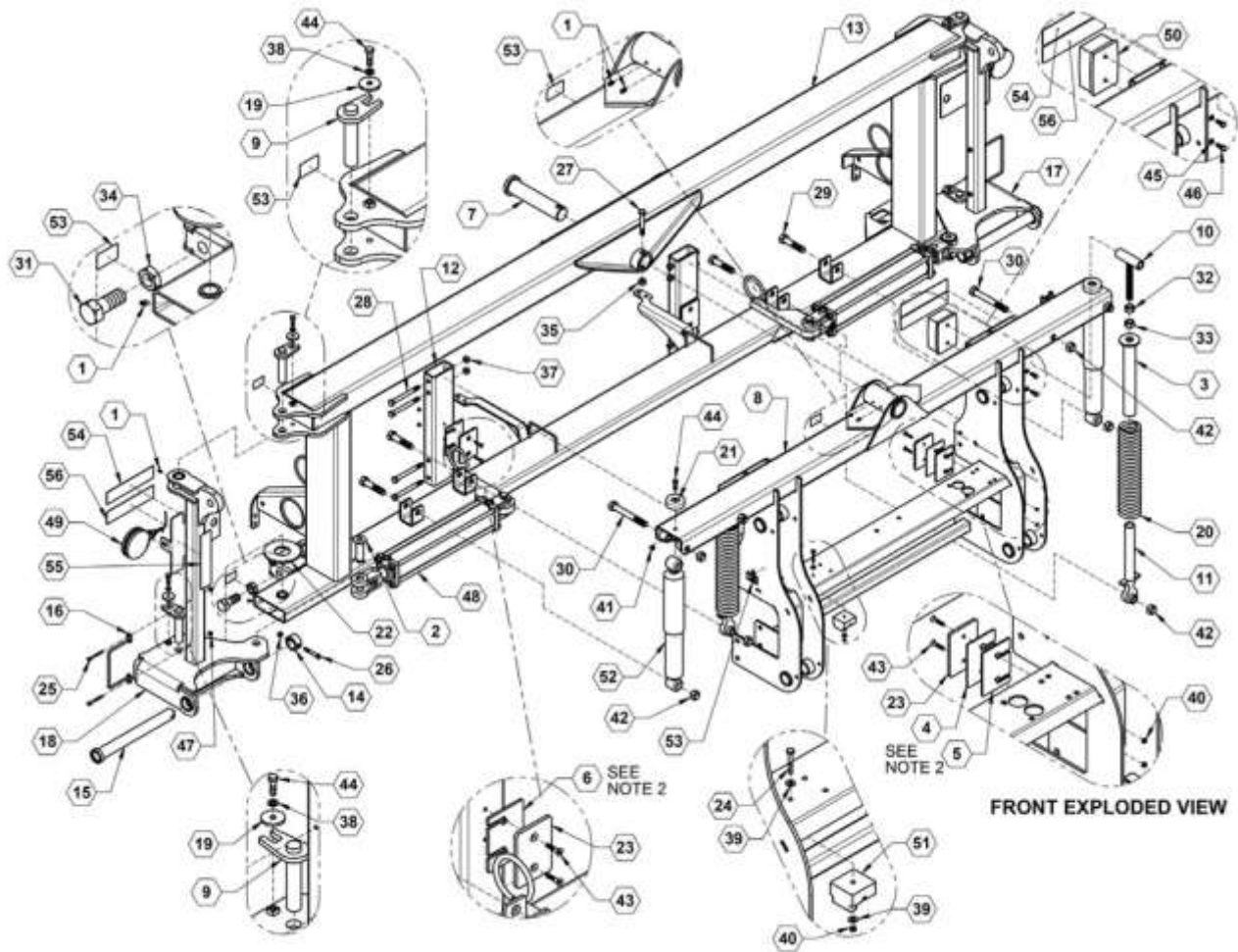
12' Center Section, 80 - 100' Boom



12' Center Section, 80 - 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

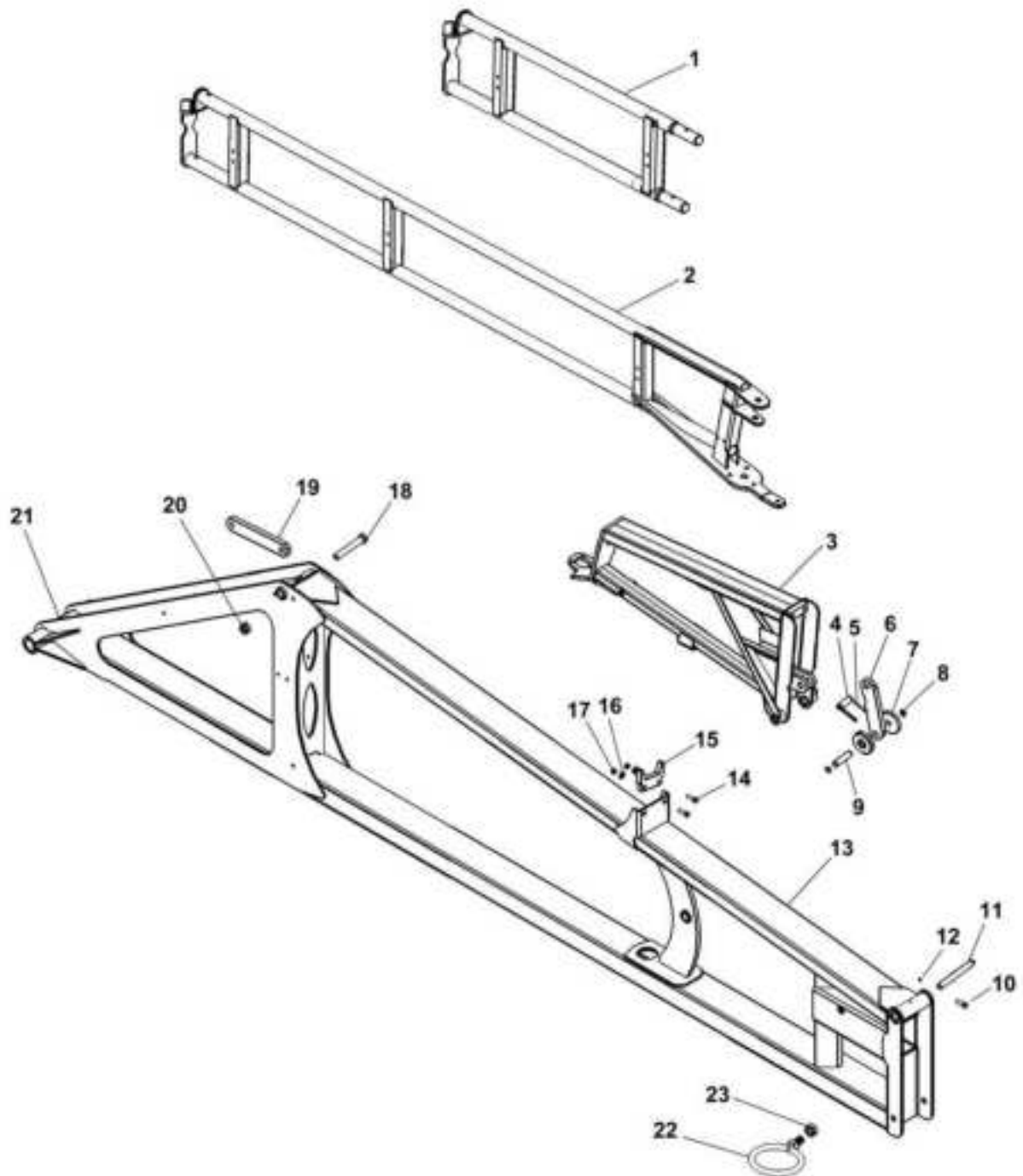
12' Center Section, 80 - 100' Boom



12' Center Section, 80 - 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

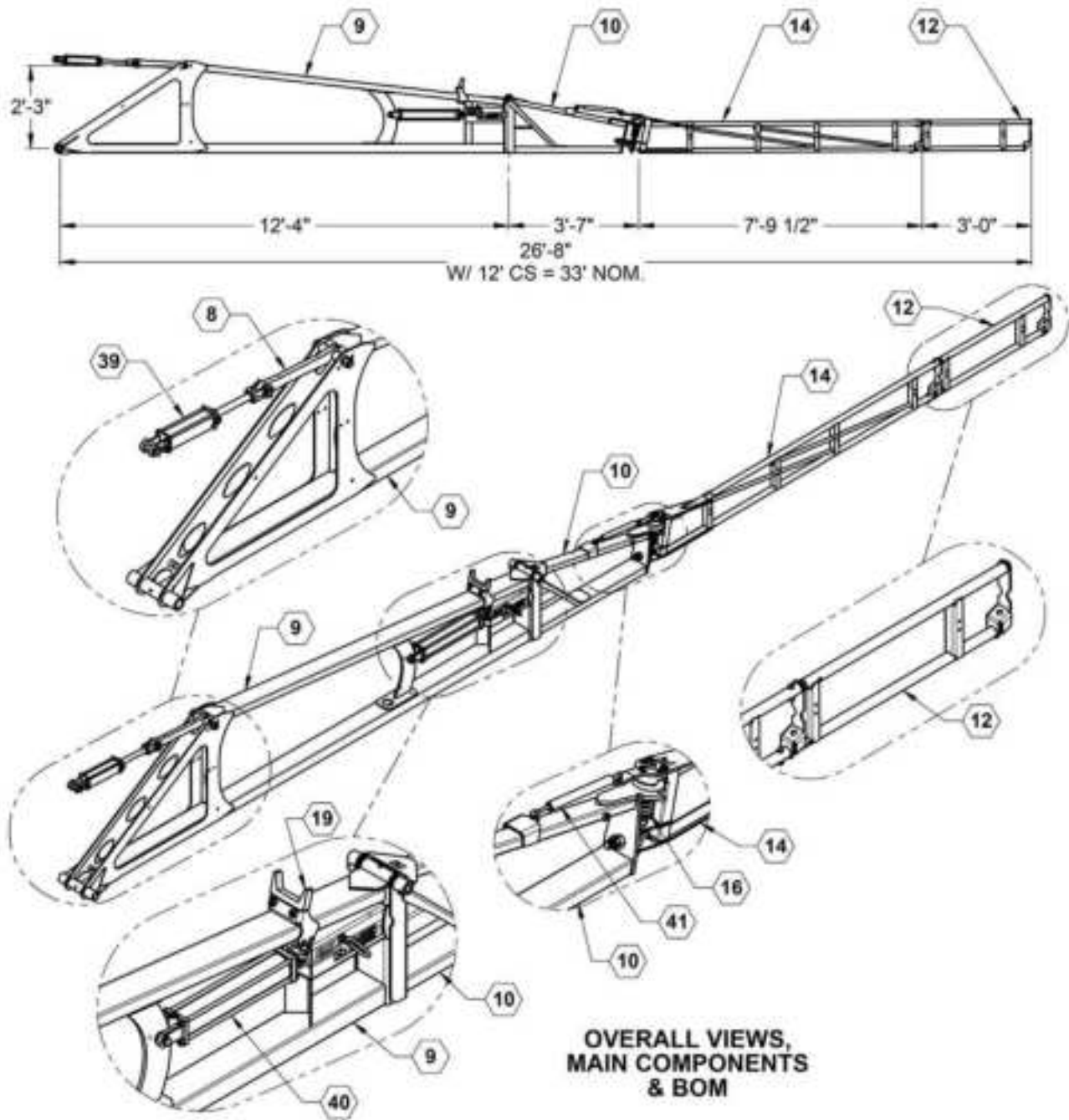
Wings - 60 & 66 Foot Boom - Standard



Wings - 60 & 66 Foot Boom - Standard Parts List

ITEM	PART NO.	60 & 66' BOOM	66' BOOM	DESCRIPTION
1	14627		2	BREAKAWAY EXTENSION 3' ALUMINUM
2	18300	2		BREAKAWAY WING 93"
3	14215	2		60' & 66' FLIP WING
3	14660	2		60' FLIP WING
3	14666	2		66' FLIP WING
4	11127	2		PIN
5	135995	4		COTTER PIN 3/16 X 2 ZP
6	9514	2		FLIP WING ARM
7	7668	4		WING ROLLER MACHINED
8	534	4		SNAP RING EXTERNAL 1"
9	7669	2		ROLLER PIN 1"
10	117	2		BOLT HH 5/16 X 2" GR5 ZP
11	9468	2		FLIP WING PIN
12	236	2		NUT HH 5/16" CENTERLOCK ZP
13	14205	2		MAIN WING
14	154	4		BOLT HH 1/2 X 2 GR5 ZP
15	9674	2		WING REST 1" UHMW
16	260	4		WASHER FLAT 1/2" ZP
17	231	4		NUT HH 1/2" CENTERLOCK ZP
18	209	2		BOLT HH 1 X 7-1/2" GR5 ZP
19	14149	2		LINK LEVEL BOOM
20	242	2		NUT HH 1" CENTERLOCK ZP
21	759	2		ZERK 1/4-28
22	14146	2		RING HOSE HOLDER
23	223	2		NUT JAM

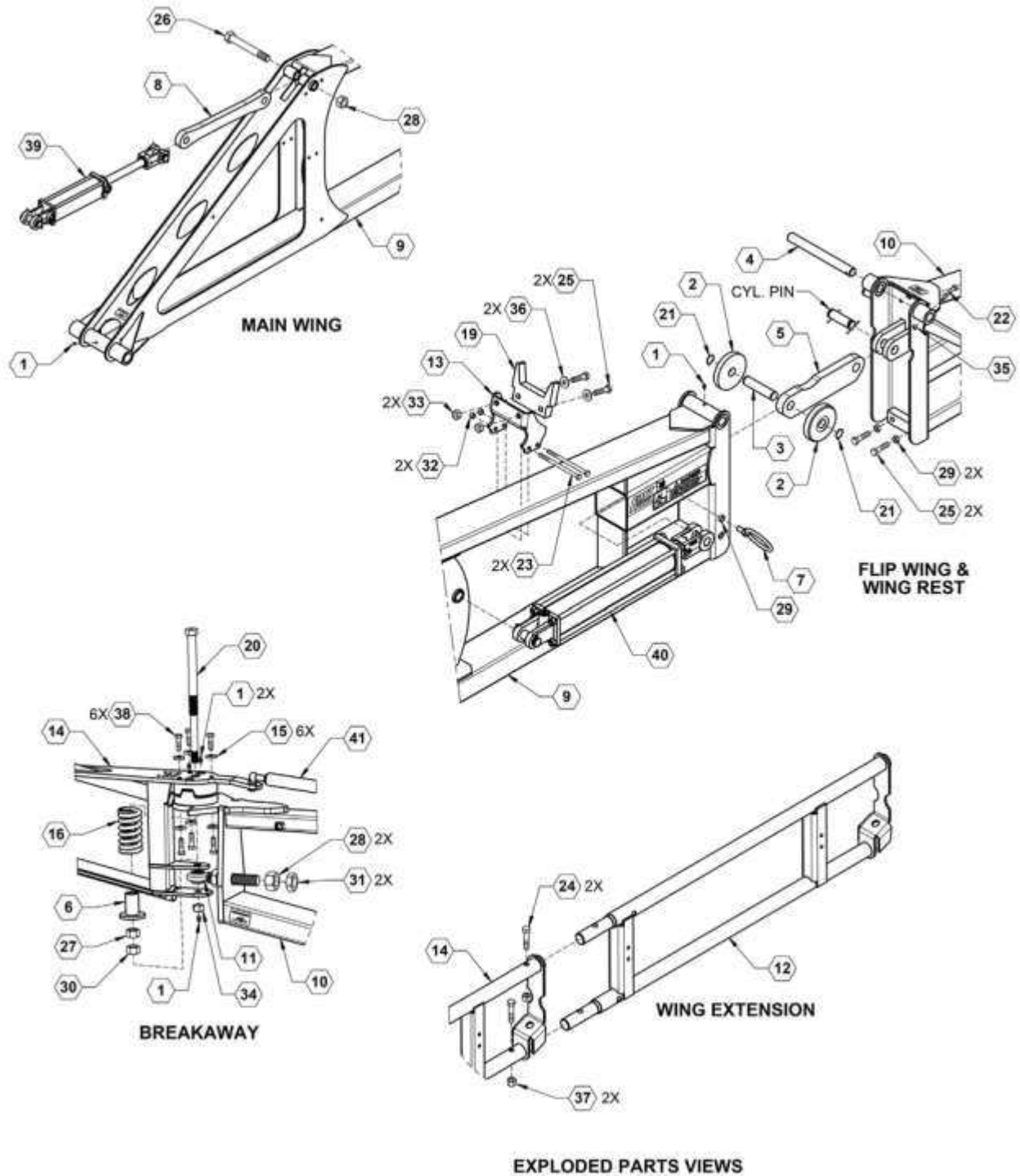
Wings - 60 & 66 Foot Boom



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

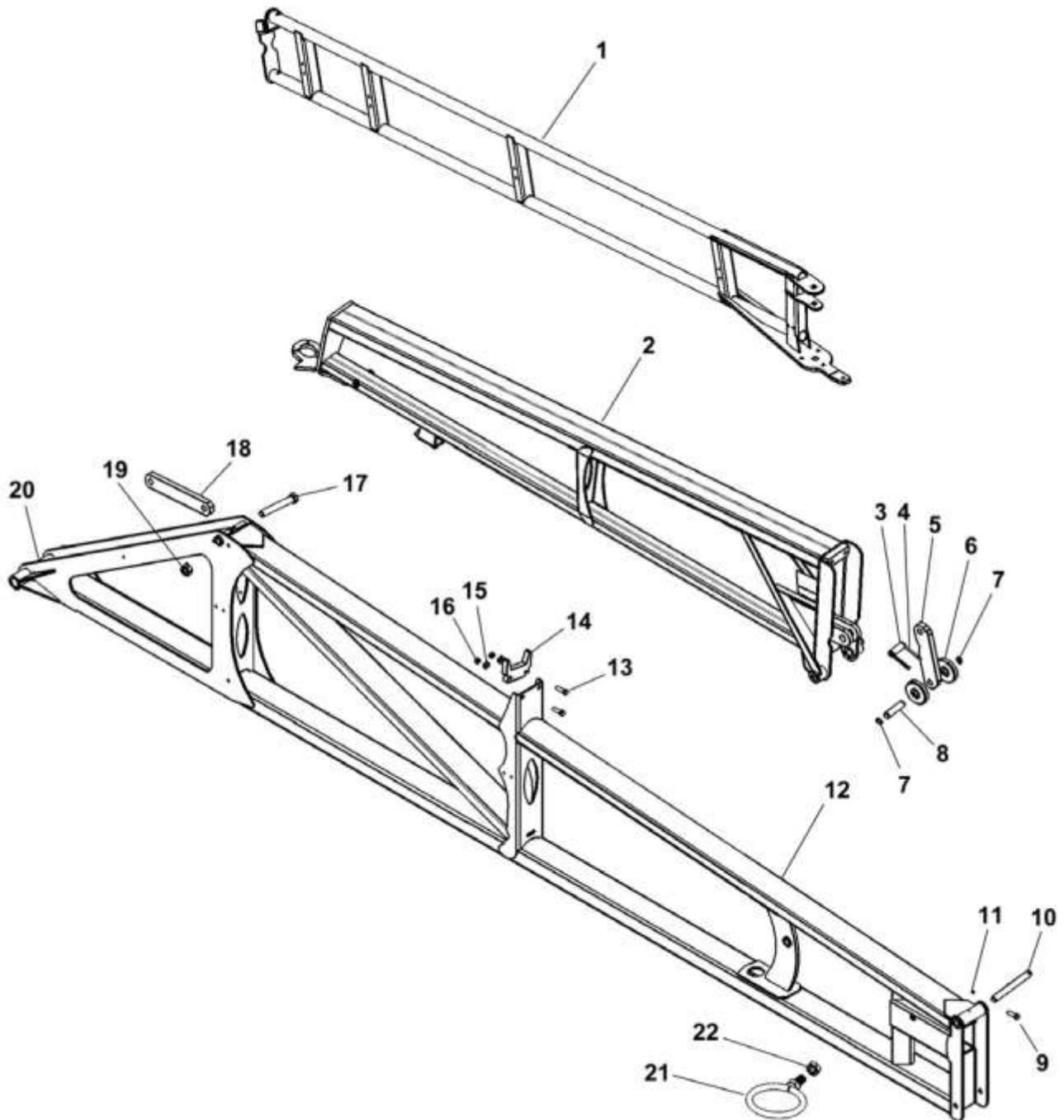
Wings - 60 & 66 Foot Boom



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	WLD MNT, 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 - 80, 90 & 100 Foot Boom - Standard



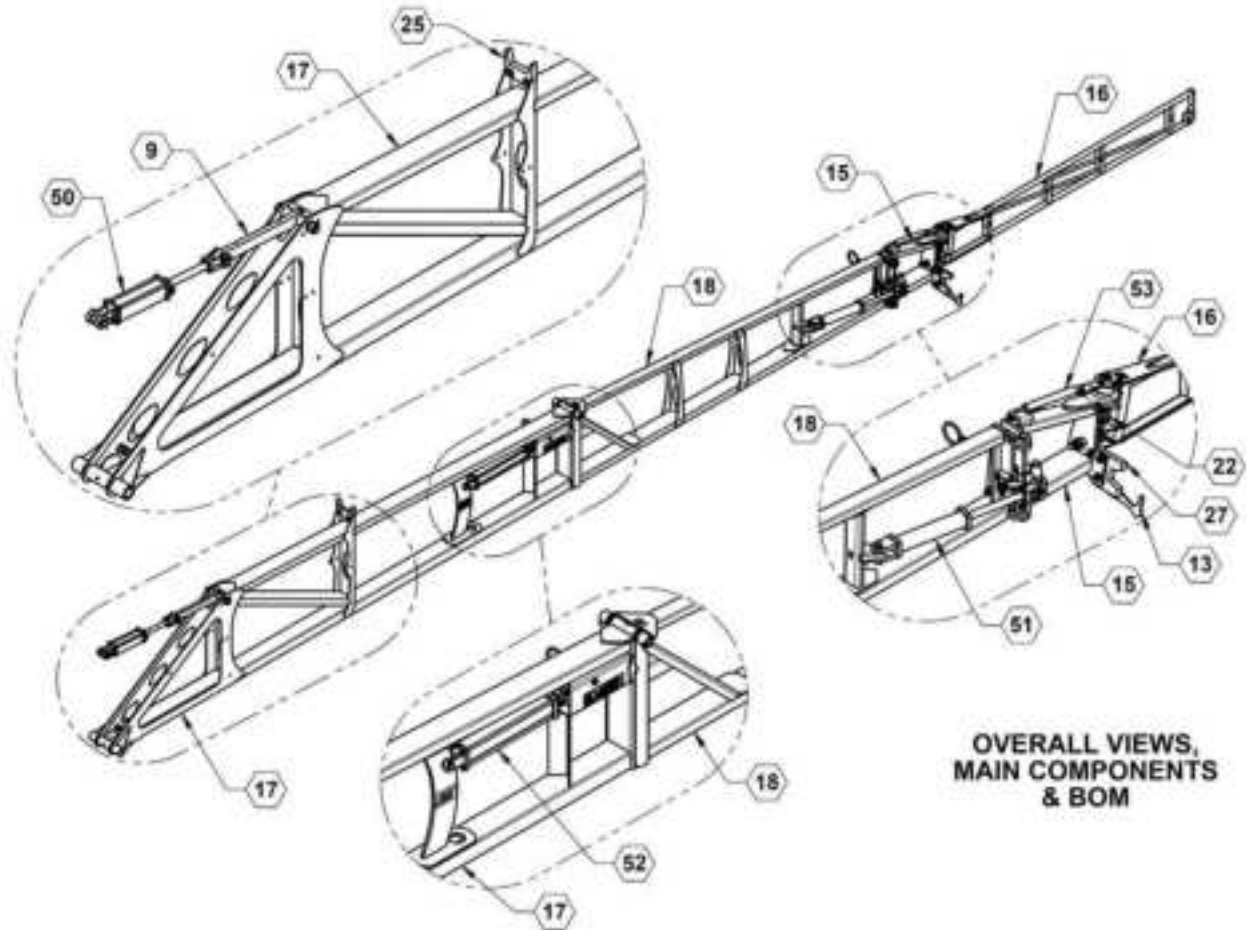
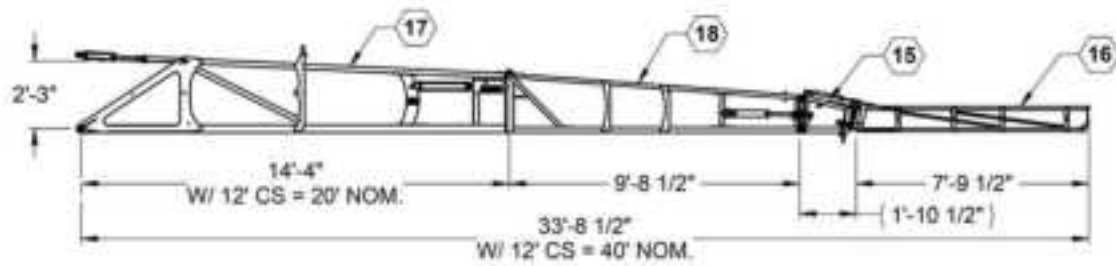


ILLUSTRATED PARTS LIST

Wings - 80, 90 & 100 Foot Boom - Standard Parts List

ITEM	PART NO.	DESCRIPTION	80, 90 & 100' BOOM	80' BOOM	90' BOOM	100' BOOM
1	18300	BREAKAWAY WING 93"				2
1	18320	BREAKAWAY WING 111"		2	2	
2	14150	FLIP WING 80'	2	2		
2	14160	FLIP WING 90'	2		2	
2	14175	FLIP WING 100'	2			2
3	11127	PIN	2			
4	135995	COTTER PIN 3/16 X 2 ZP	4			
5	9514	FLIP WING ARM	2			
6	7668	WING ROLLER MACHINED	4			
7	534	SNAP RING EXTERNAL 1"	4			
8	7669	ROLLER PIN 1"	2			
9	117	BOLT HH 5/16 X 2" GR5 ZP	2			
10	9468	FLIP WING PIN	2			
11	236	NUT HH 5/16" CENTERLOCK ZP	2			
12	14130	MAIN WING 80' & 90'	2			
12	14165	MAIN WING 100'	2			
13	154	BOLT HH 1/2 X 2 GR5 ZP	4			
14	9674	WING REST 1" UHMW	2			
15	260	WASHER FLAT 1/2" ZP	4			
16	231	NUT HH 1/2" CENTERLOCK ZP	4			
17	209	BOLT HH 1 X 7-1/2" GR5 ZP	2			
18	14149	LINK LEVEL BOOM	2			
19	242	NUT HH 1" CENTERLOCK ZP	2			
20	759	ZERK 1/4-28	2			
21	14146	RING HOSE HOLDER	2			
22	223	NUT JAM	2			

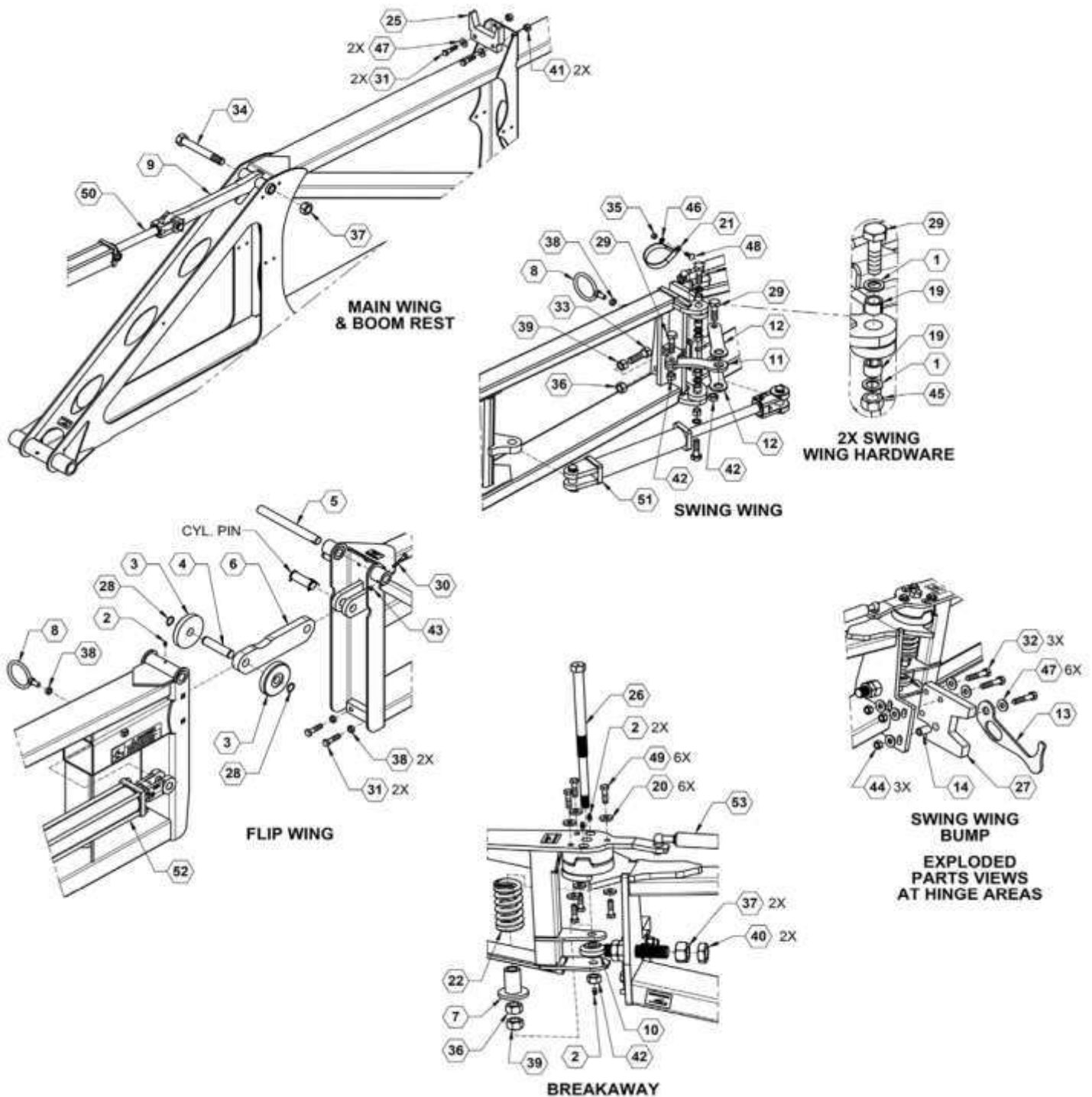
Wings - Tri-Fold 40/80 Foot Boom



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

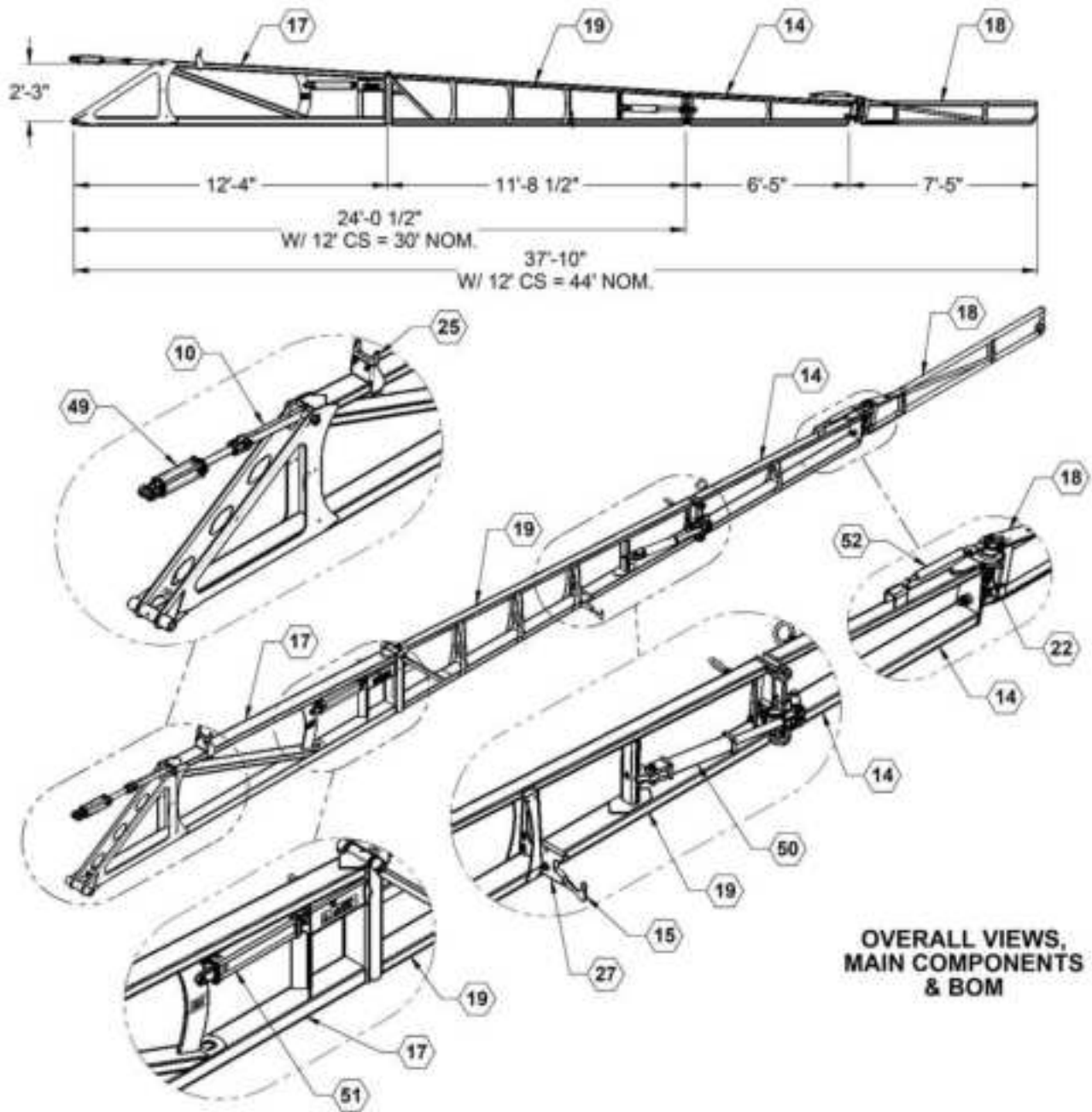
Wings - Tri-Fold 40/80 Foot Boom



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

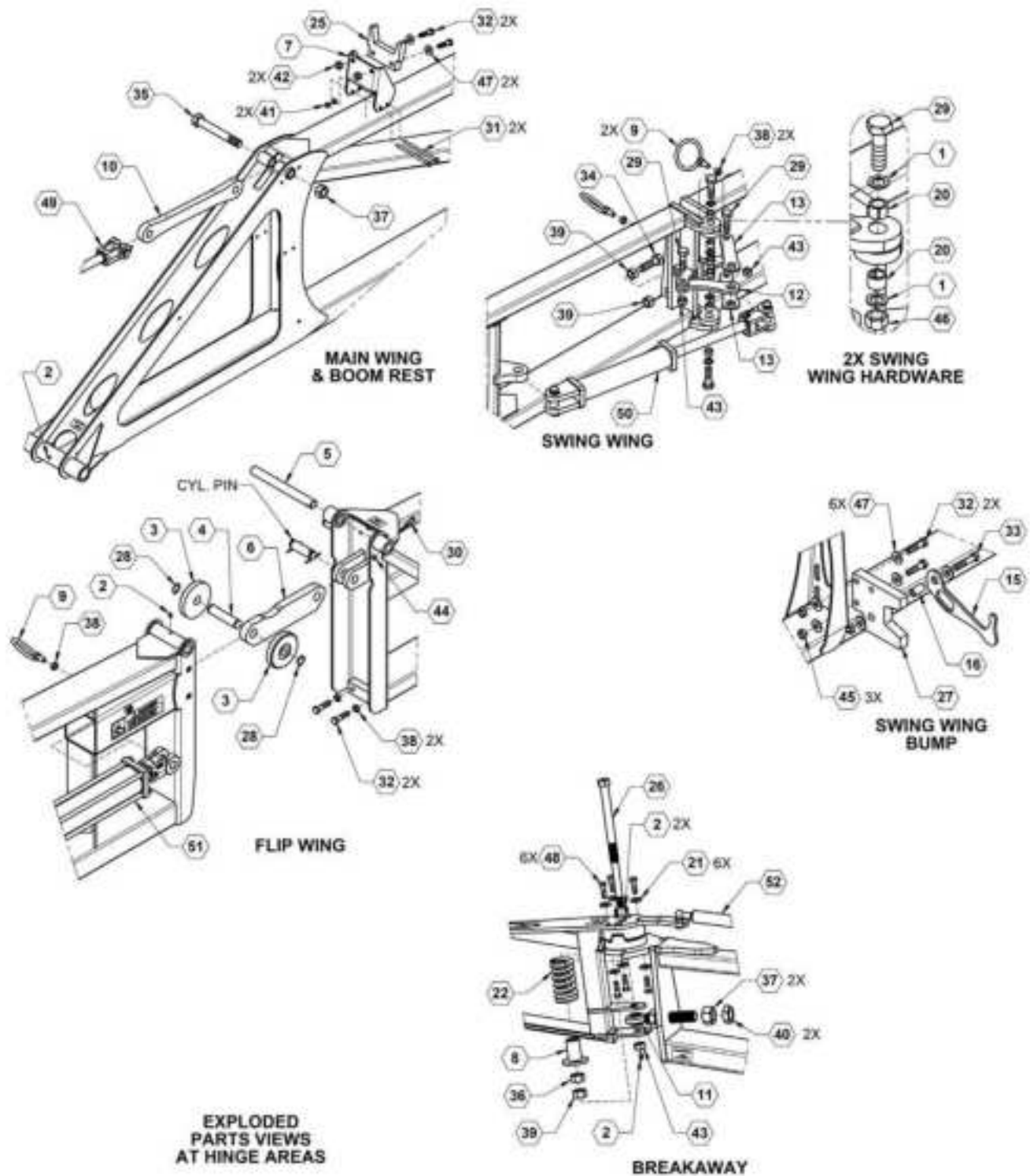
Wings - Tri-Fold 60/88 Foot Boom



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

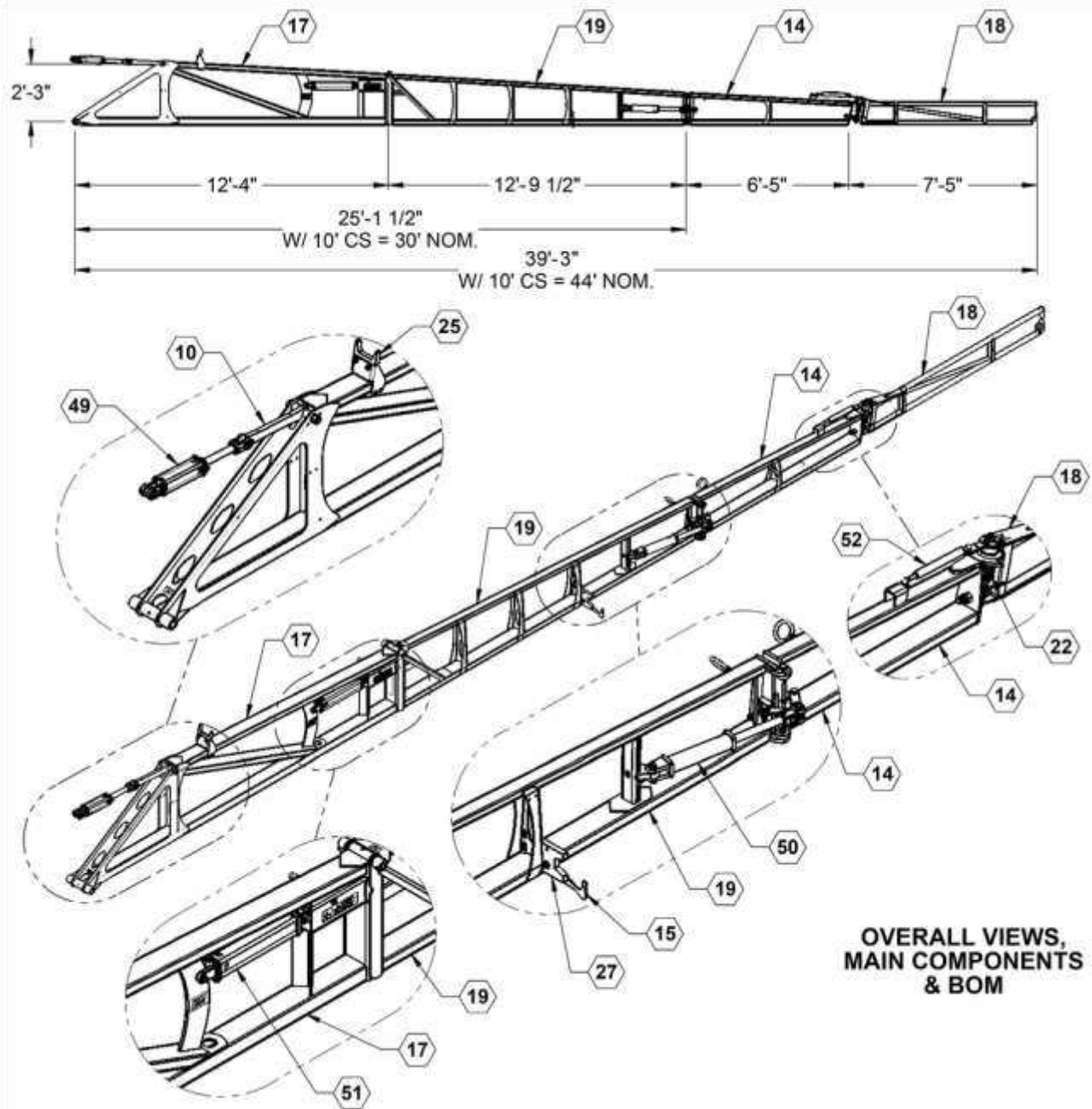
Wings - Tri-Fold 60/88 Foot Boom



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

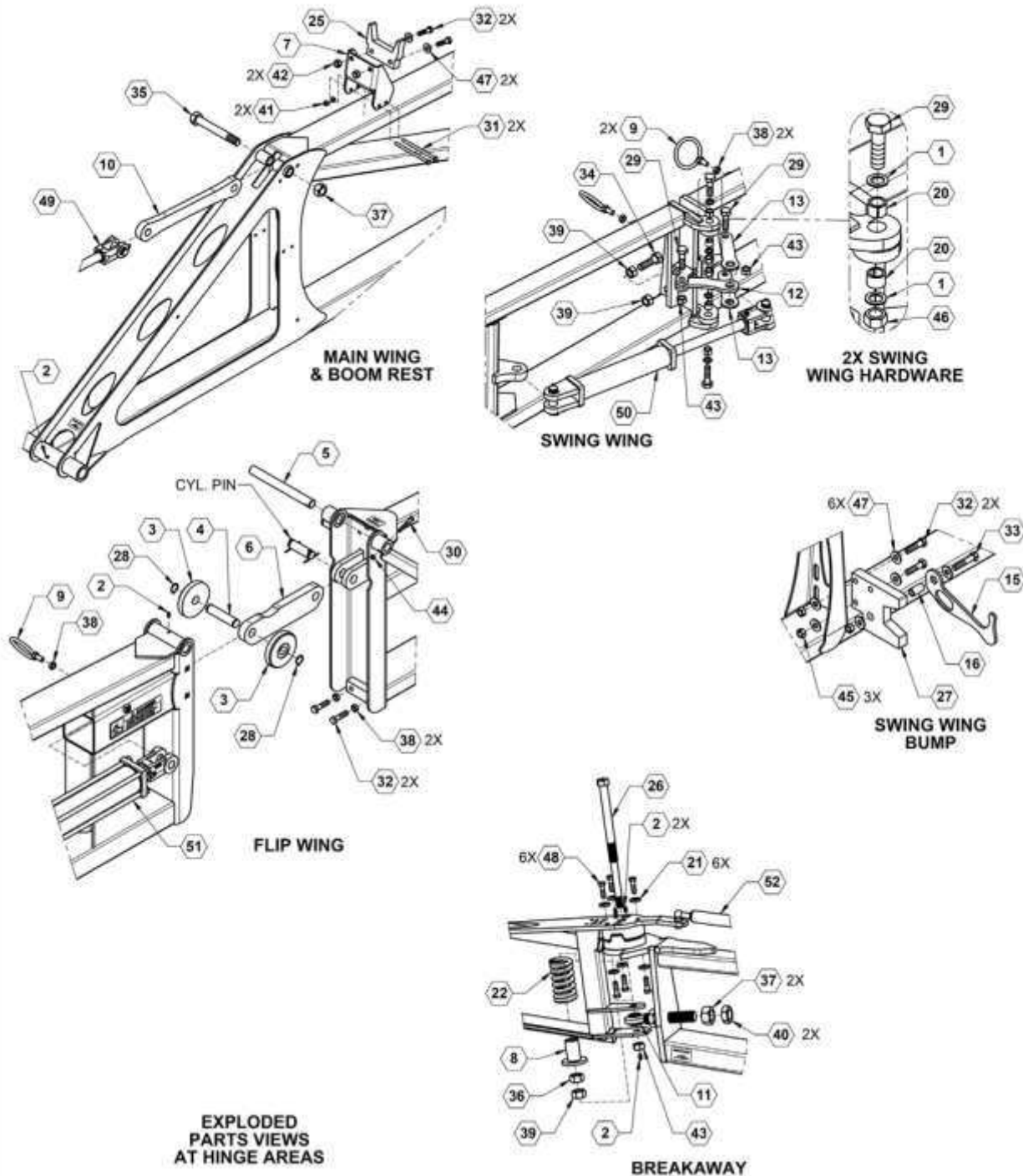
Wings - Narrow Tri-Fold 60/88 Foot Boom



Wings - Narrow 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	14705L	1	WING, FLIP, LH, 90FT BOOM, 9600N
19	14705R	1	WING, FLIP, RH, 90FT BOOM, 9600N
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

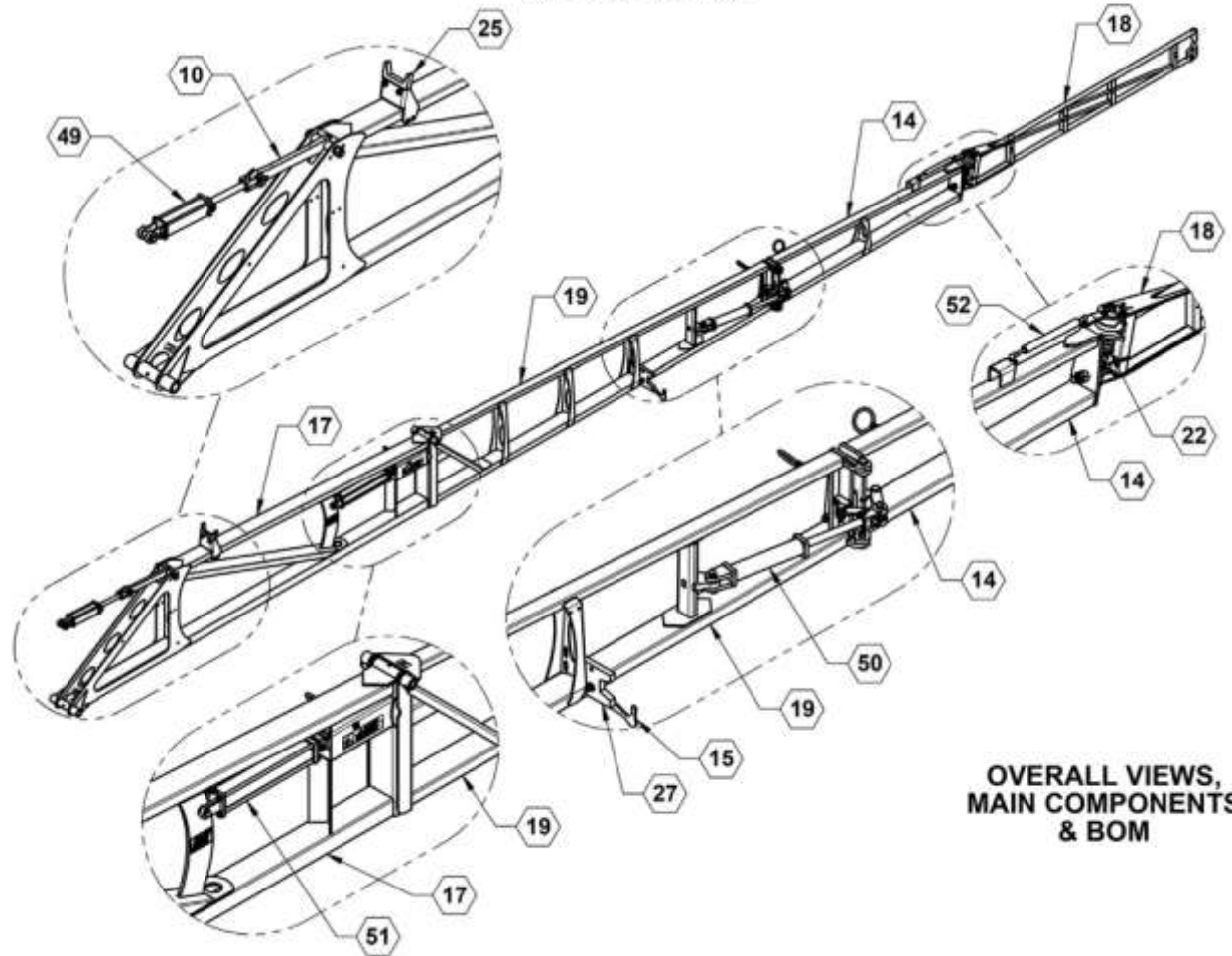
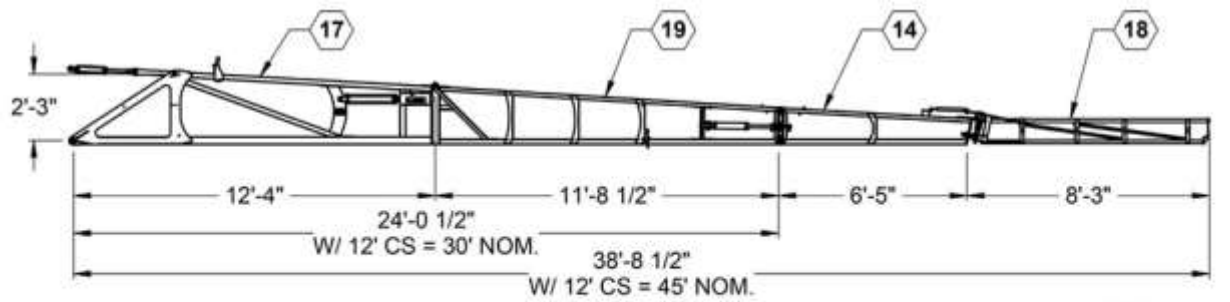
Wings - Narrow Tri-Fold 60/88 Foot Boom



Wings - Narrow 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

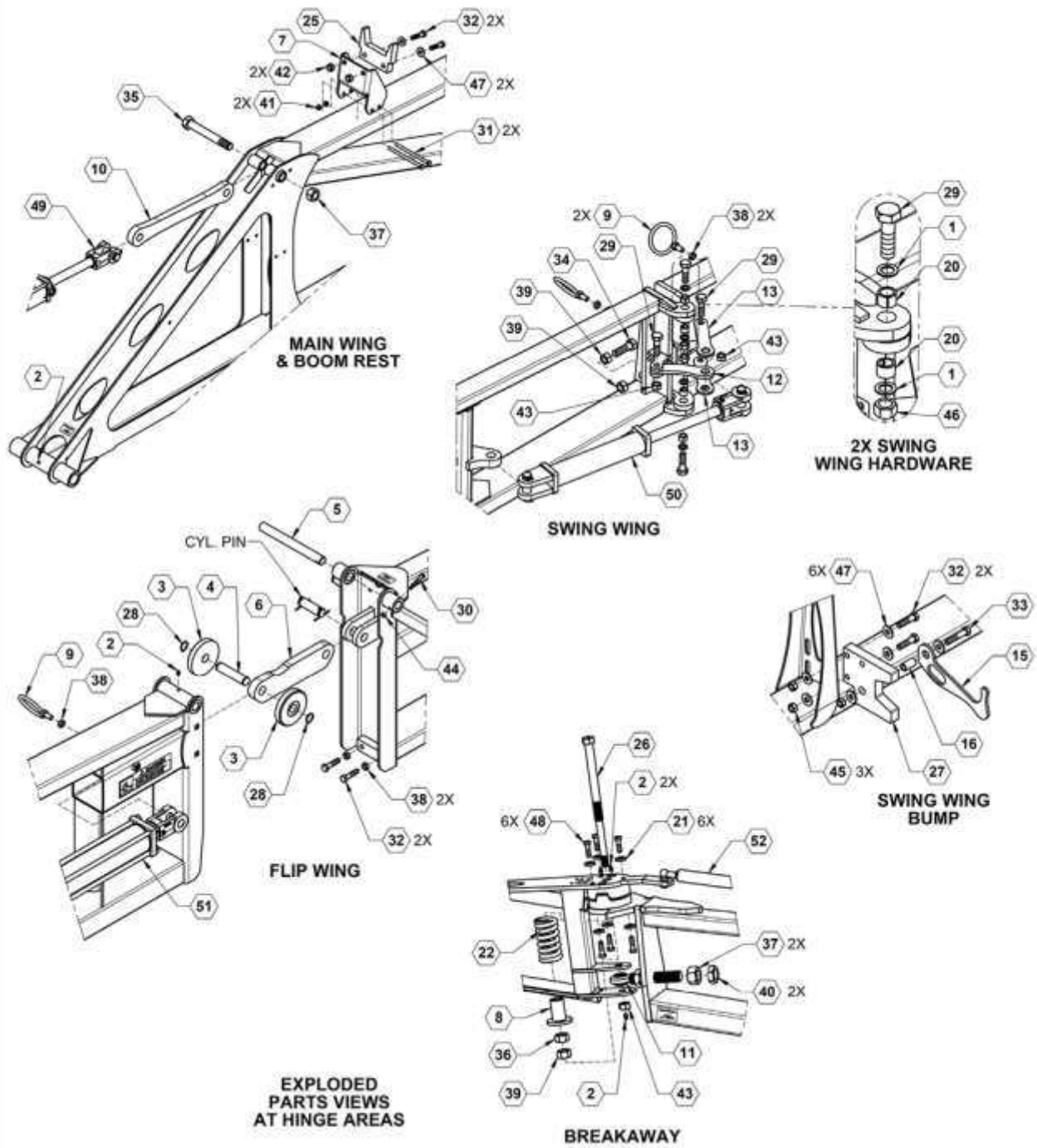


OVERALL VIEWS,
MAIN COMPONENTS
& BOM

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

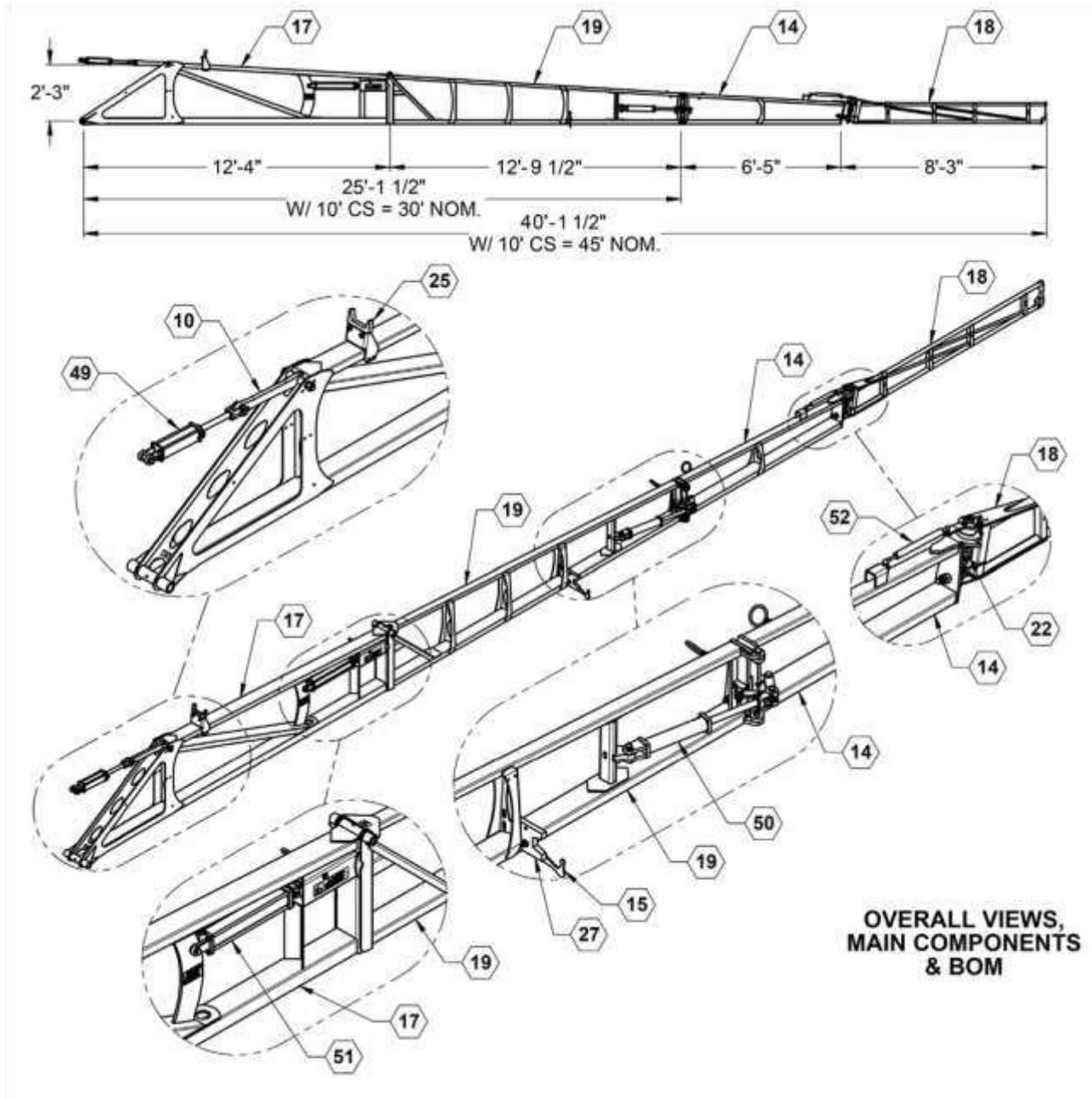
Wings - Tri-Fold 60/90 Foot Boom



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

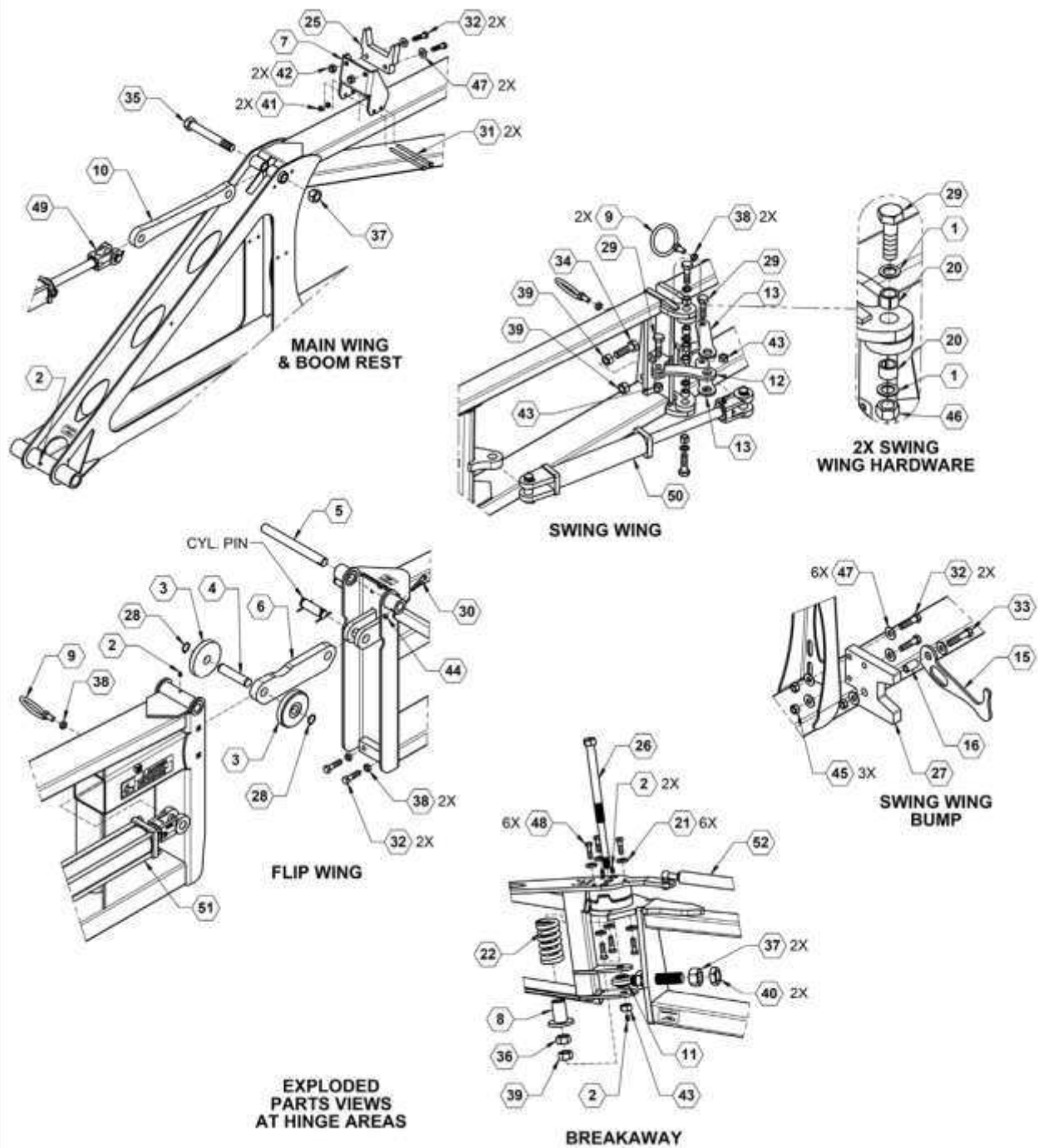
Wings - Narrow Tri-Fold 60/90 Foot Boom



Wings - Narrow 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	14705L	1	WING, FLIP, LH, 90FT BOOM, 9600N
19	14705R	1	WING, FLIP, RH, 90FT BOOM, 9600N
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

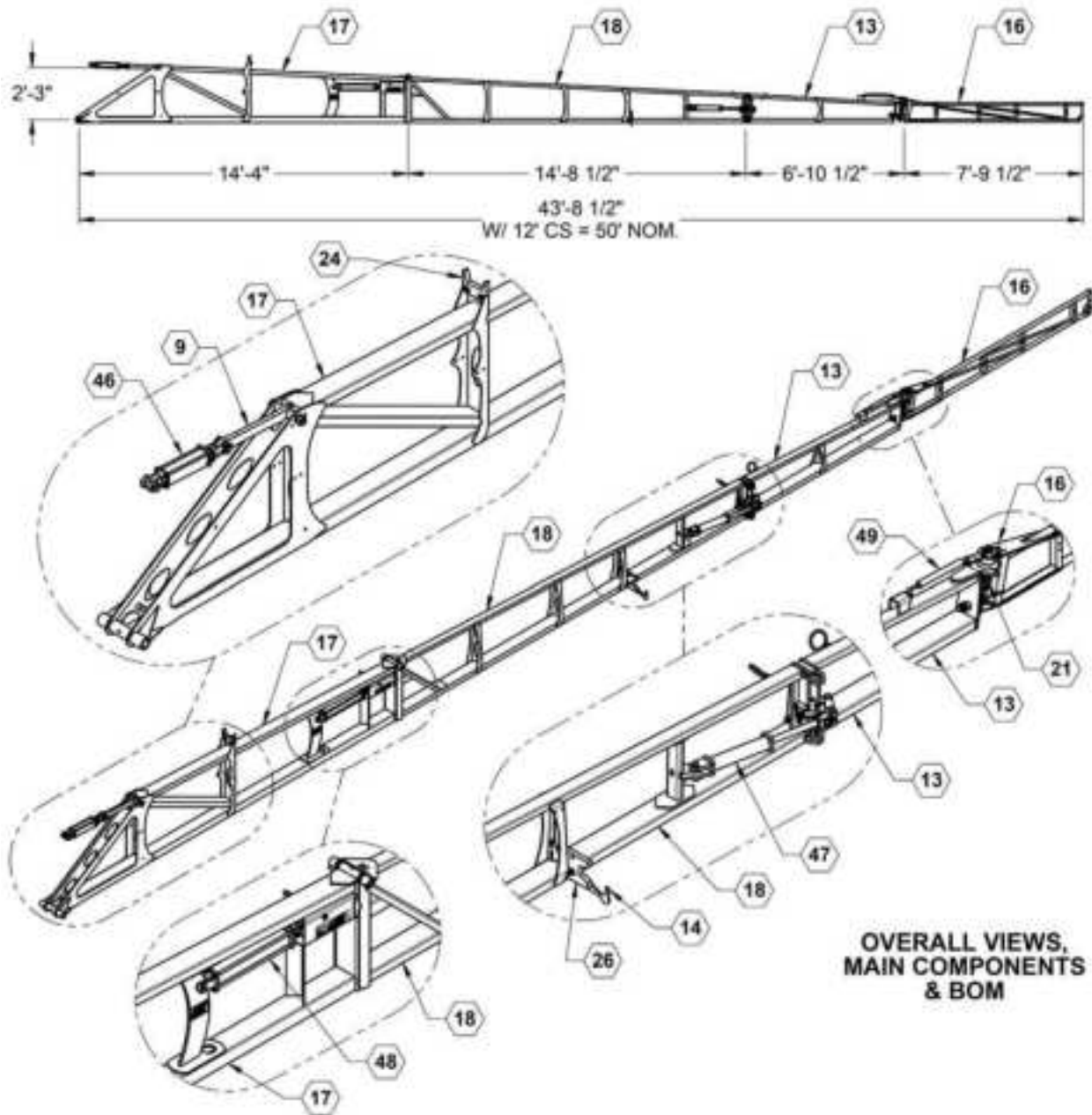
Wings - Narrow Tri-Fold 60/90 Foot Boom



Wings - Narrow 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

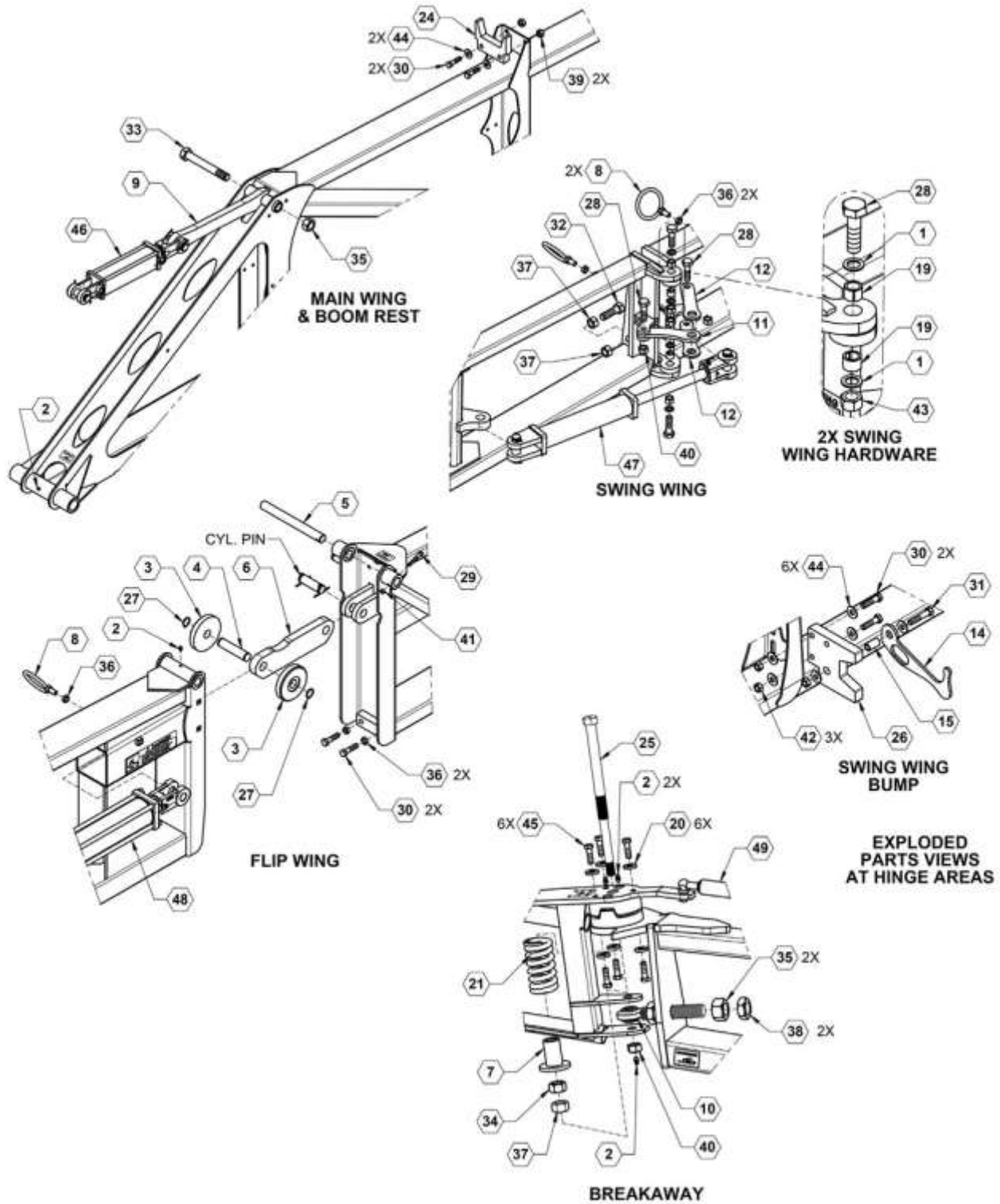
Wings - Tri-Fold 100 Foot Boom



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

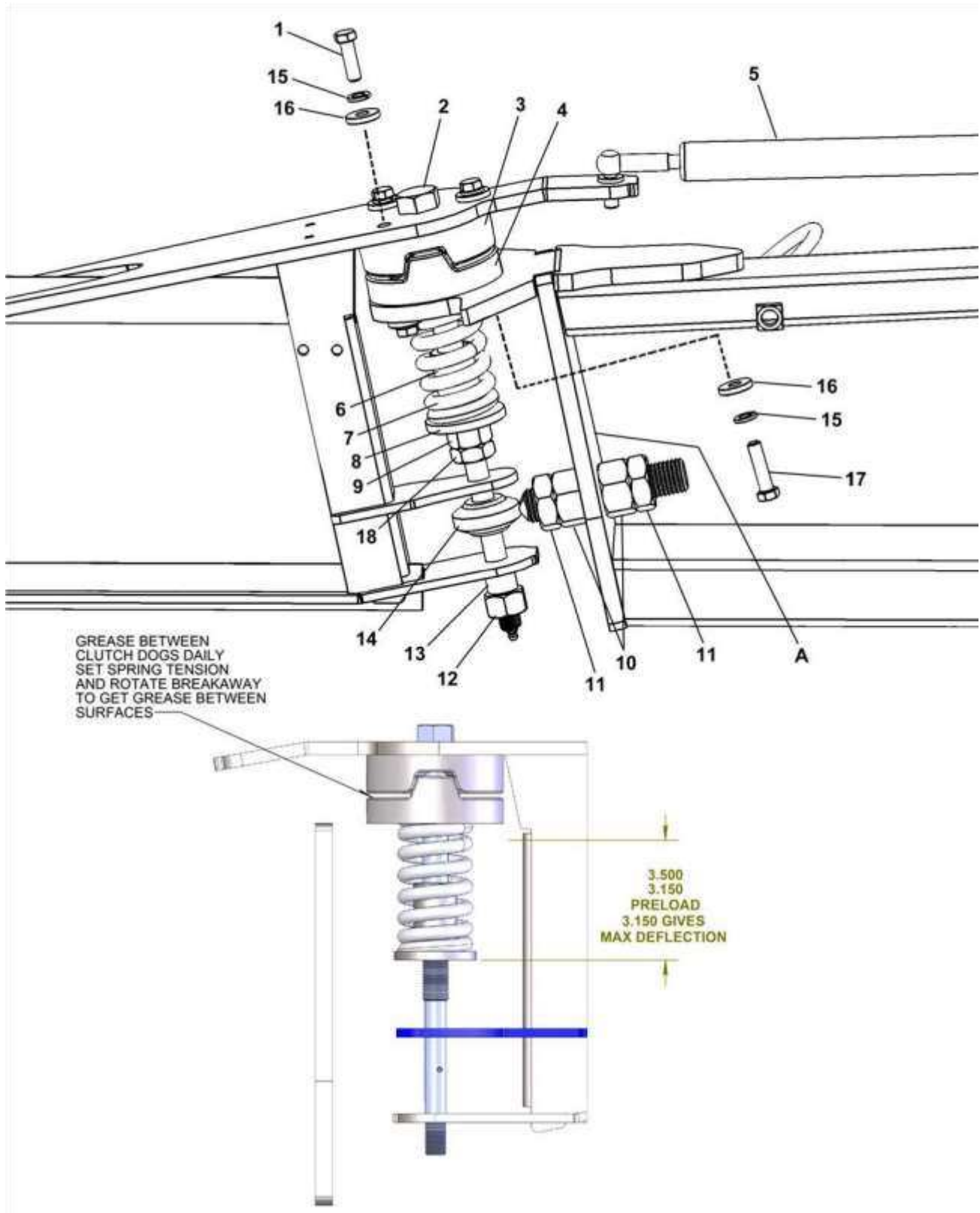
Wings - Tri-Fold 100 Foot Boom



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 5/16-18 X 2 GR5 MAGNI
30	596154M	6	BOLT, 1/2-13 X 2 GR5 MAGNI
31	596155M	1	BOLT, 1/2-13 X 2-1/2 GR5 MAGNI
32	596185M	1	BOLT, HH 3/4-10 X 2-1/2
33	596209M	1	BOLT, HH 1-8 X 7-1/2 GR5 MAGNI
34	596217M	1	NUT, HEX 3/4-10 G5 MAGNI
35	596218M	3	NUT, HEX
36	596223M	5	
37	596225M	3	
38	596226M	2	
40	596232M	3	
41	596236M	1	
42	596239M	3	
43	596240M	2	
44	596260M	8	
45	596633M	6	
46	620023	1	
47	620034	1	
48	620057	1	

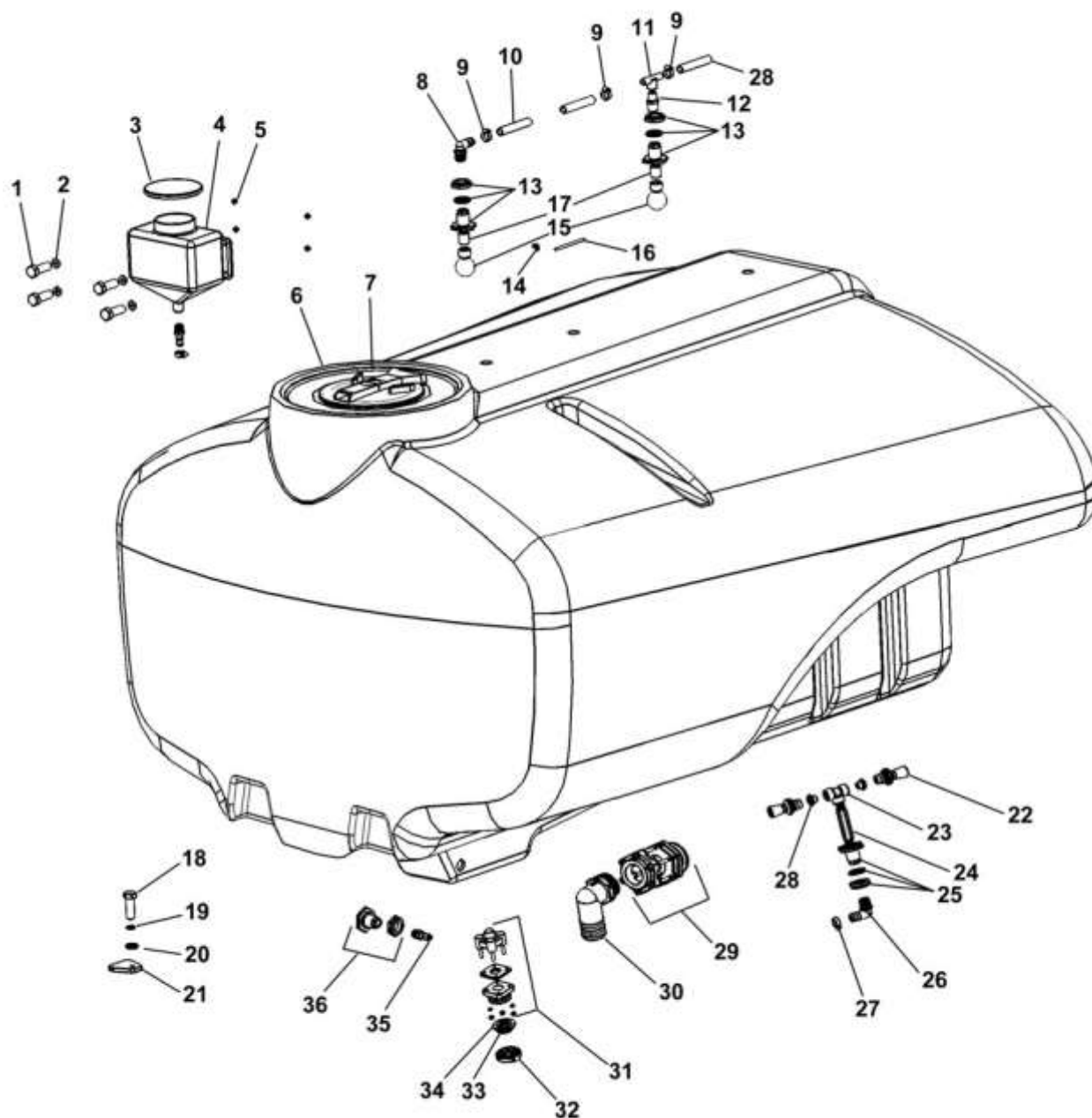
Breakaway Pivot



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



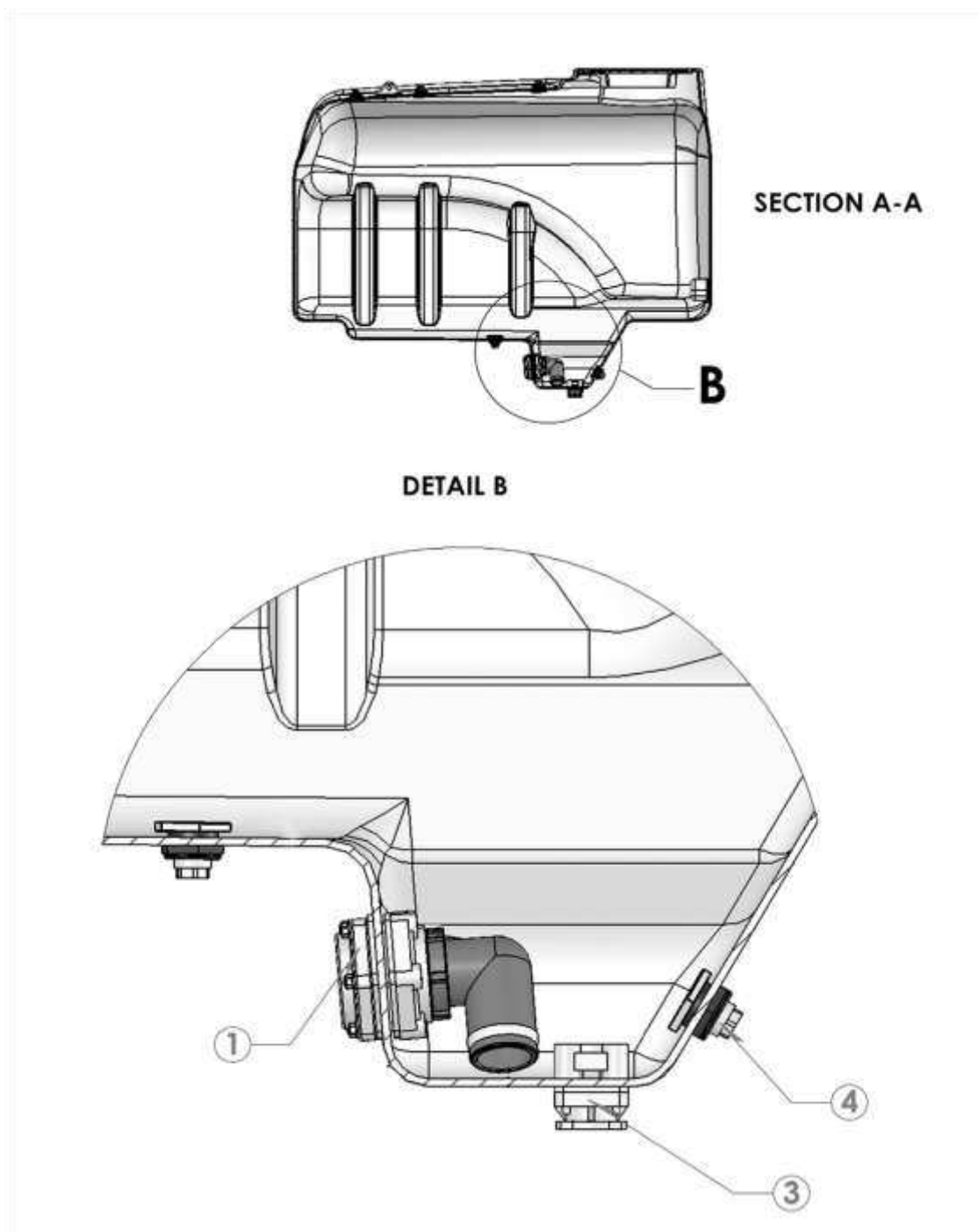


ILLUSTRATED PARTS LIST

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		570167	1	STEALTH TANK, 1050, AG YELLOW
		570168	1	STEALTH TANK, 1050, AG WHITE
		570169	1	STEALTH TANK, 1350, AG WHITE
		570170	1	STEALTH TANK, 1350, AG YELLOW
7	14761	570157	1	(2024 AND BEFORE) LID, VENTED
	-	570158		(2025 AND LATER) LID, NON-VENTED
8	-	530040	1	HOSE BARB 3/4" 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	-	530221	1	3/4" TEE HB X 3/4" MPT
12	-	-	-	N/A
13-17		90SARNSEBALL	2	SUB ASSEMBLY, RINSE BALL
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
17	-	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
22-25		90SALTRUMPET	1	SUB ASSEMBLY, AGITATION
22	-	520029	2	AGITATION NOZZLE
23	-	530156	1	TEE, 3/4" POLY PIPE
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	-	-	-	N/A
29-30		90SASUMP95	1	SUB ASSEMBLY, SUMP FITTING
29	BJMF300	530120	1	BOTTOM DRAIN 3"
NS	-	530155	1	3" STREET ELBOW
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

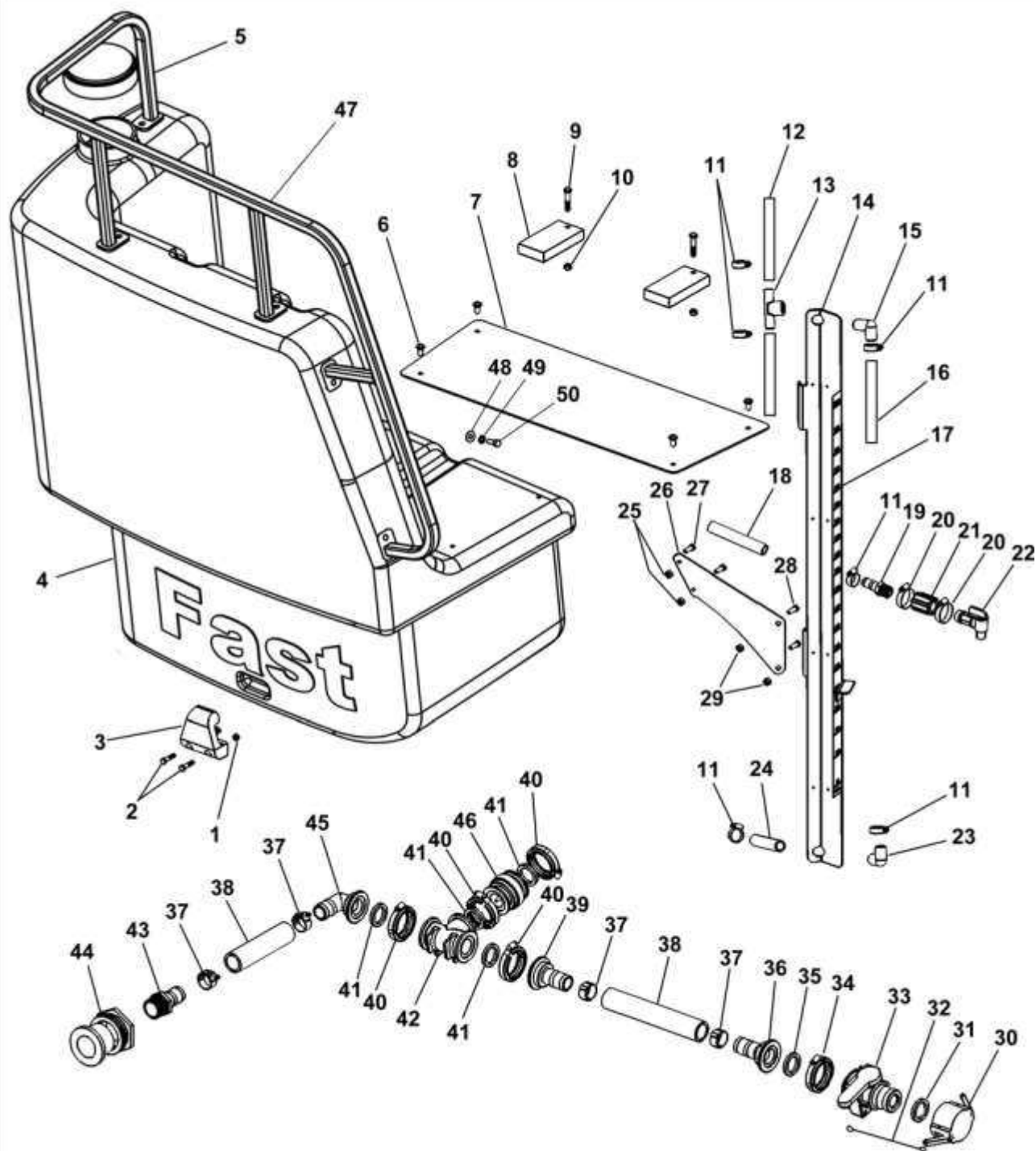
Tank Assembly (continued)



Tank Assembly Parts List

ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	13791	1	SUMP ASSEMBLY
3	MBF15020 BD	1	FITTING, 1-1/2" BULKHEAD
4	TF075 .75 BULKHEAD FITTING	1	3/4" BULKHEAD FITTING

Rinse Tank, Plumbing & Sight Gauge



Rinse Tank, Plumbing & Sight Gauge Parts List

ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		228	2	NUTHH5/16"NYLOCKZP
2		116	2	BOLTHH5/16X1-1/2GR5ZP
3	10643	590022	2	POLYRINSETANKHOLDDOWN
4	10602W	570003	1	TANKRINSE100GALLONWHITE
	10602Y	570004	1	TANKRINSE100GALLONYELLOW
	10918		1	ACEFITTING
5	AR-10522		1	5"VENTEDLID
6		607	4	BOLTTRUSSHEAD3/8X3/4ZP
7		10612	1	PLATFORMTOPSAFETYPLATE
8		10669	2	POLYRINSETANKHOLDDOWN
9		130	2	BOLTHH3/8X2GR5ZP
10		769	2	NUTHH3/8"WHIZLOCKZP
11	64012	540013	5	CLAMPHOSE3/4"
12	15017503	510008	6"	HOSEEVA3/4"
13	3T34F	530220	1	TEEHOSEBARBX3/4NPTF
14		10921	1	FORMEDSIGHTGUAGESUPPORT1000GALLON
		10919	1	FORMEDSIGHTGUAGESUPPORT1250GALLON
15	3EL34	530210	1	HOSEBARBELBOW3/4"HBX3/4"NPTM
16	15007008	510006	66.5"	HOSEVINYLCLLEAR3/4"1000GALLON
17	13595	800040	1	DECALGALLON1000GALLONTANK
NS	13596	800041	1	DECALGALLON1250GALLONTANK
18	15007008	510006	40"	HOSEVINYLCLLEAR3/4"
19	HB075	530230	1	HOSEBARB3/4"
20	64020H	540015	2	CLAMPHOSE1-1/2"
21	CPLG075	530235	1	COUPLING3/4"NPT
22	DF-103	510022	1	FLO-RITEFAUCET
23	3EL34HB	530214	1	HOSEBARB90°
24	15007008	510006	58"	HOSEVINYLCLLEAR3/4"
25		768	2	NUTHH5/16WHIZLOCKZP
26		10818	1	SIGHTGUAGESUPPORTBRACKET
27		115	2	BOLTHH5/16X1GR5ZP
28		152	2	BOLTHH1/2X1GR5ZP
29		771	2	NUTHH1/2"WHIZLOCK
30	200CAP	530017	1	2"CAMLOCKCAPW/530019GASKET
31	200G	530019	7	GASKET2"STANDARDTHICKNESS
	200GXT		SP	GASKET2"EXTRATHICK
32	HN-79.12	530179	1	LYNARD12"
33	VSF200CF	500037	1	VALVEMANIFOLDX2"MALEADAPTER
34	FC200	540001	6	CLAMPMANIFOLD2"STANDARDPORT
35	150G	530014	1	GASKET2"
36	M150BRB	530079	2	MANIFOLD1-1/2"HOSEBARB
37	TC-181	540006	4	CLAMPT-BOLT1-1/2"
38	12012800	510002	27"	FERTILIZERSOLUTIONHOSE1-1/2"
39	M220150BRB	530100	1	MANIFOLD2"FULLPORTX1-1/2HOSEBARB
40	FC220	540002	4	CLAMPMANIFOLD2"FULLPORT
41	200G	530019	4	GASKET2"FULLPORT
42	M220TEE	530097	1	MANIFOLDTEE2"FULLPORT



ILLUSTRATED PARTS LIST

43	HB125-125	530045	1	HOSEBARB1-1/2NPTX1-1/2HOSEBARB
44	AR10918	570071	1	BULKHEAD1/14"
45	M220150BRB90	530100	1	MANIFOLDHOSEBARBELBOW90°
46	CV220	500003	1	MANIFOLDCHECKVALVE
47		10638	1	HANDRAILRISETANK
48		258	5	WASHERFLAT3/8"
49		250	5	WASHERLOCK3.8"
50		128	5	BOLTHH3/8X1"

9600N Trailer Decals and Misc

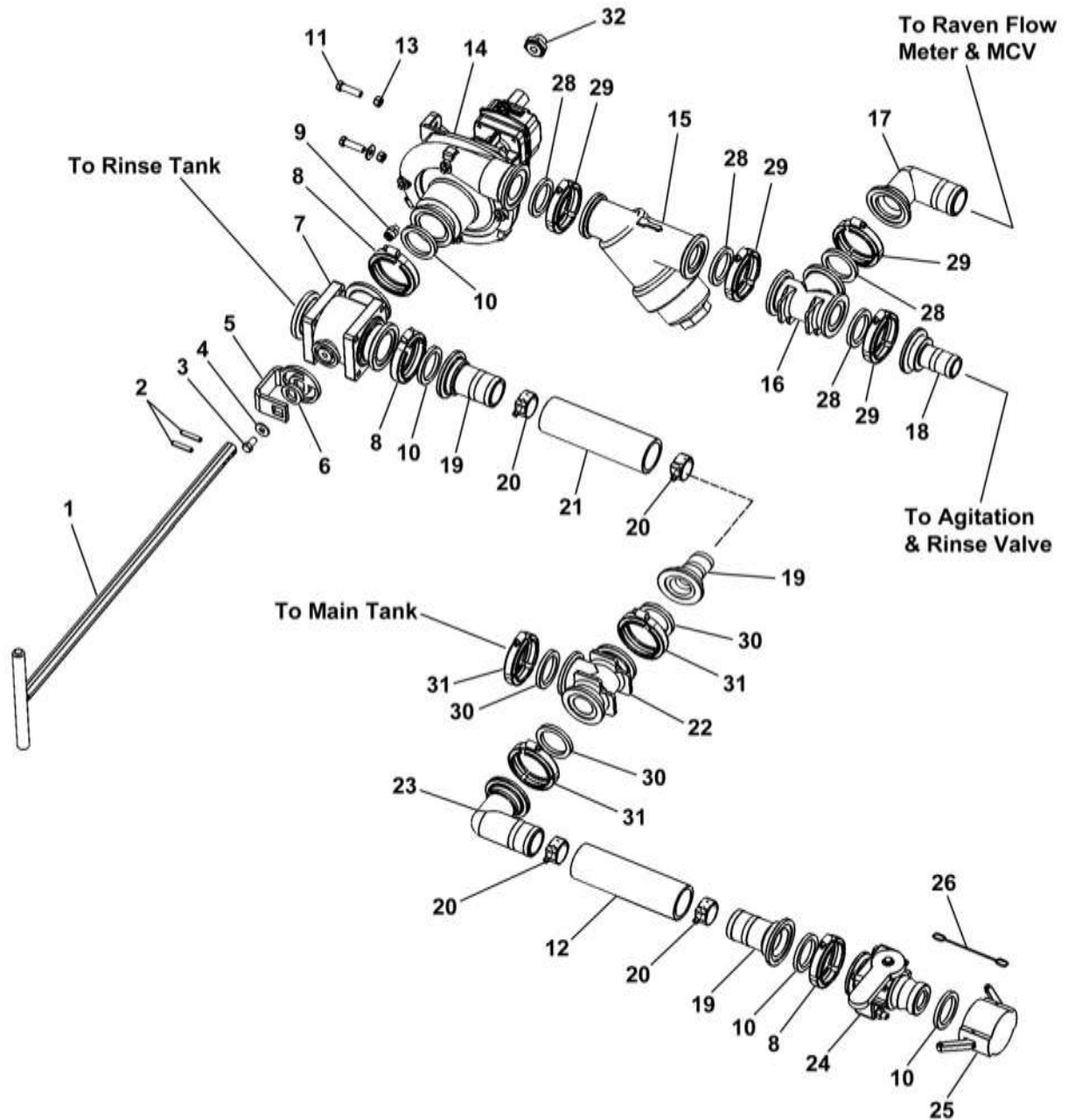


9600N Trailer Decals and Misc Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
0	13508	1	VALVE EXTENSION HANDLE ARROW
0	15829	1	WASHER, SAFETY CHAIN
0	15835	1	DOM, SAFETY CHAIN SPACER
0	21188L	1	PLATE, FORMED, STEP MOUNT
0	21188R	1	PLATE, FORMED, STEP MOUNT
0	530026	1	1" EPDM BOLTED FLANGE GASKET
0	530036	1	3/4" MPT X 1" HOSE SHANK-90°
0	530050	1	2" MPT X 1-1/2" HOSE SHANK
0	530101	2	2" FP FLANGE X 1-1/2" HOSE BARB-90°
0	530110	2	2" MANIFOLD TEE - 220 SERIES
0	530221	1	TEE, 3/4" X 3/4" MPT BY HOSE BARB
0	530256	1	1-1/4" MPT X 1-1/2" HOSE BARB
0	530358	1	QUICK CONNECT, 3/4" HOSE BARB, 90°
0	540020	2	CLAMP, STAINLESS 3-1/2" #56
0	590001	4	3/8 X 3/4 PHILLIPS PAN HEAD SMS
0	590024	2	SADDLE BASE PAD
0	590113	1	BUMP PLATE LH
0	590114	1	BUMP PLATE RH
0	590127	4	PLUG 1-1/4" PLASTIC SQUARE TUBE
0	590137	3	NUT HH CENTERLOCK 1" NC ZP
0	590153	2	BOLT 1 X 6-3/4, 1-1/4 THREAD, MAGNI
0	590156	1	U-BOLT 2 X 3 X 1/4" SS
0	590226	1	BOLT HH 1 X 3-1/4 GR5 ZP
0	720001	2	PIN, SNAP
0	750048	1	MANUAL HOLDER
0	790008	3	WASHER, THRUST 1-5/8" I.D.
0	790049	1	CHAIN, SAFETY 20,000 LB
0	800003	1	DECAL, WARNING FALLING HAZARD
0	800004	1	DECAL, WARNING HIGH PRESSURE
0	800005	1	DECAL, UPENDING HAZARD

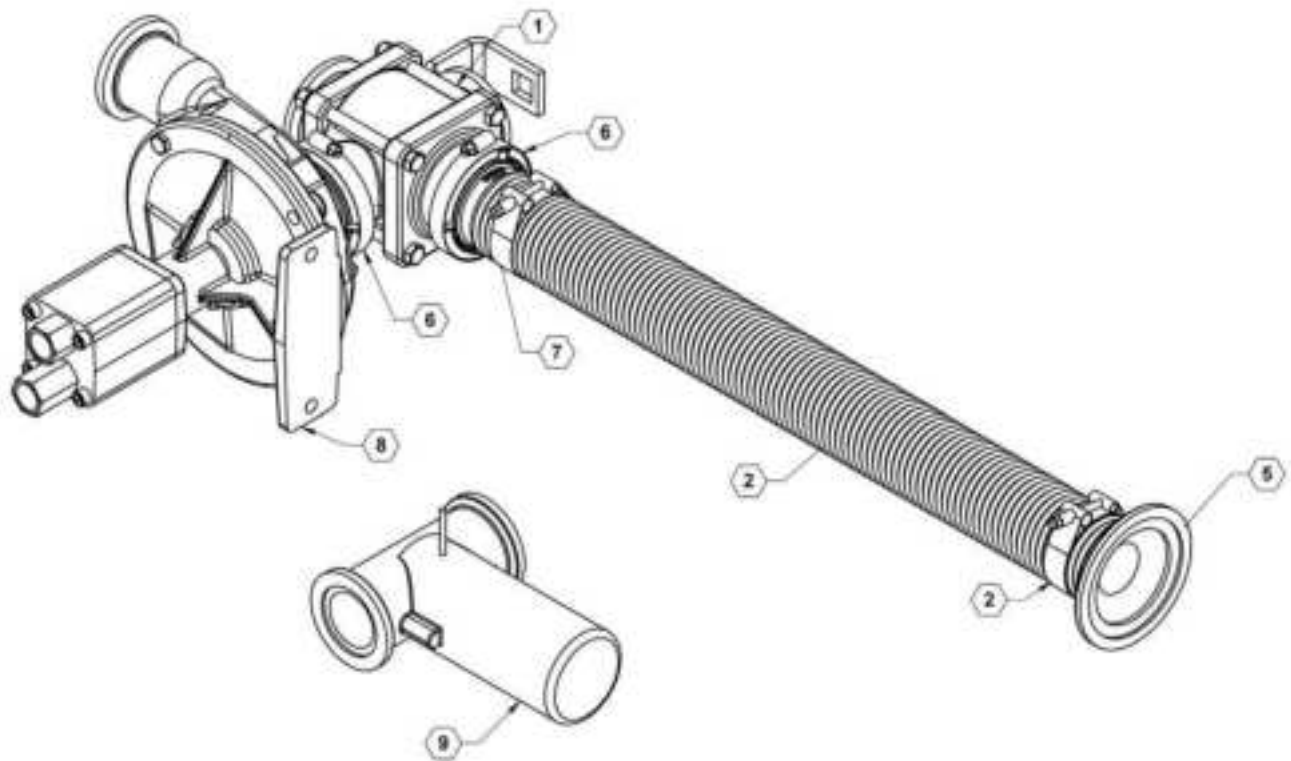
0	800006	1	DECAL DANGER ELECTROCUTION HAZARD
0	800007	1	DECAL, DANGER CHEMICAL HAZARD
0	800008	1	DECAL, WARNING TOXIC CHEMICAL
0	800009	2	DECAL, WARNING OVERHEAD HAZARD
0	800010	2	DECAL, WARNING INSTALL PIN
0	800013	1	DECAL, DANGER CRUSHING HAZARD
0	800014	2	DECAL, GREASE PIVOT POINTS
0	800017	1	DECAL MAIN TANK VALVE OPERATION
0	800018	1	DECAL RINSE TANK OPERATION SUC
0	800016	1	DECAL, ELECTRIC AGITATION
0	800021	2	DECAL FAST SPRAYERS LOGO BLACK/GREEN
0	800023	2	DECAL POWDER COAT /WHITE BACKGROUND
0	800024	1	DECAL REAR LIFT CYLINDER VALVE
0	800026	1	DECAL VALVE OPERATION FOR HYPRO
0	800029	2	DECAL 62" WHEEL TRACK LUG NUT TORQUE
0	800031	1	DECAL, AXLE POSITION
0	800057	1	DECAL US PATENT 7585000
0	800061	2	DECAL 9610N
0	800282	1	DECAL, DO NOT RUN PUMP DRY, ENGLISH
0	800208	1	DECAL, HYDRAULIC HOSE KEY

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

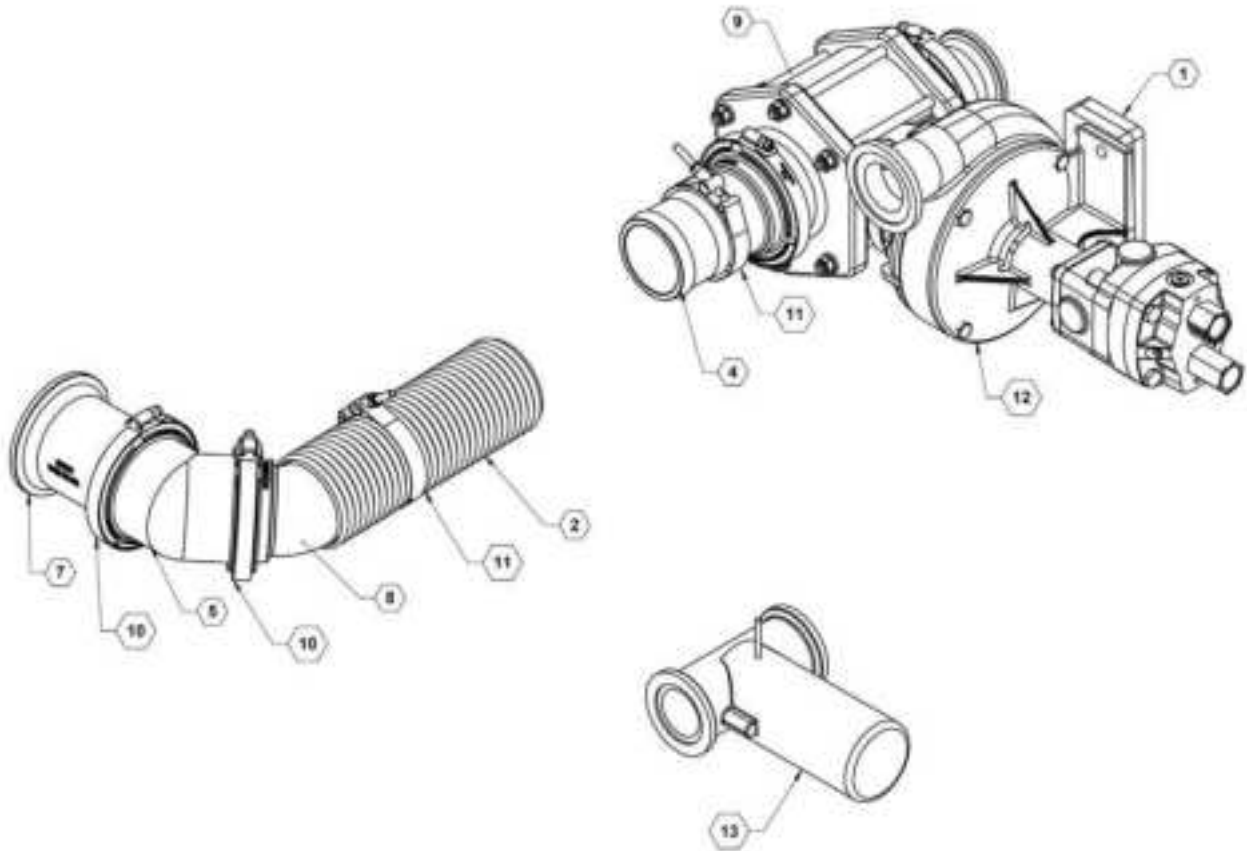
ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		7236	1	VALVE HANDLE EXTENSION
2		683	2	PIN, SPRING 1/4 X 2
3		127	1	BOLT HH 3/8 X 3/4 GR5 ZP
4		258	1	WASHER, FLAT 3/8" ZP
5		7232	1	VALVE HANDLE ADAPTER
6		7233	1	VALVE HANDLE COLLAR
7	MV220BL	500034	1	MANIFOLD VALVE 2" FULL PORT BOTTOM LOAD
8	FC220	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

Pump Option - 60' - 66' Boom With ACE 105-206 Pump

Pump Option - 60' & 66' Boom With ACE 150-206 Pump Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	500034	1	VALVE, 2" BOTTOM LOAD FPF
2	510003	1	BUMBLEBEE HOSE, 2"
3	530019	2	GASKET, 2" EPDM
4	530103	1	MANIFOLD FLANGE 2" FP X 2" HB
5	530111	1	MANIFOLD, 3" X 2" HB
6	540002	2	CLAMP, WORM SCREW 2"
7	540007	2	CLAMP, HOSE 2" T-BOLT
8	550000	1	PUMP, 150-206 FLANGED, ACE
9	632079	1	VALVE, BUTTERFLY, 1.5", Deutsch Connector

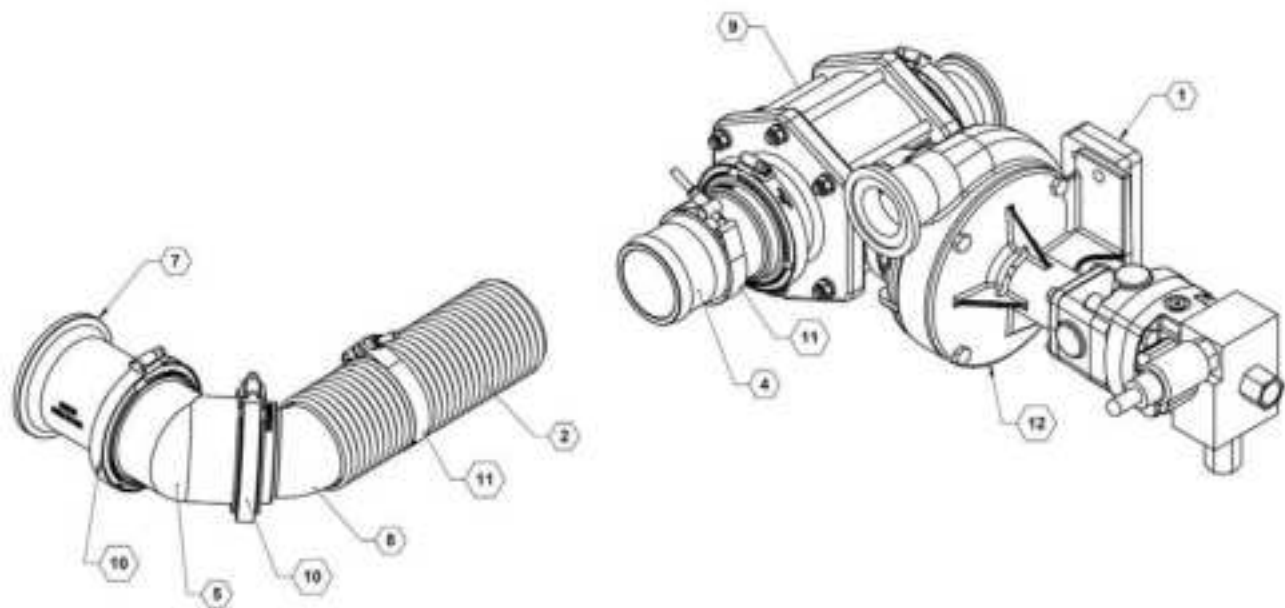
Pump Option - 60' - 100' Boom With ACE 205-304 Pump



Pump Option - 60' - 100' Boom With ACE 205-304 Pump Parts List

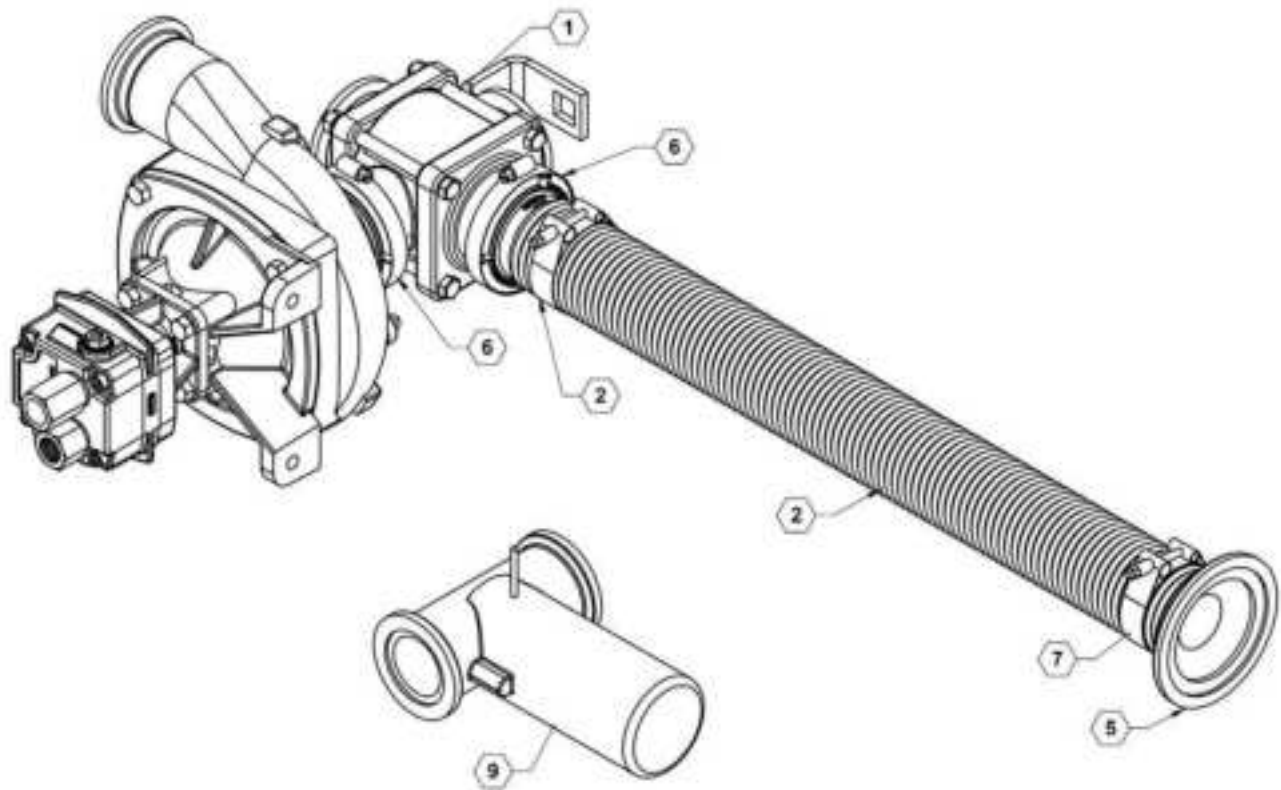
ITEM	PART NO.	QTY.	DESCRIPTION
1	18339	2	PLATE, PUMP SPACER
2	510004	2'	HOSE, 3" FERTILIZER
3	530024	5	GASKET, 3" EPDM
4	530113	1	Flanged 3 Inch Hose Barb
5	530234	1	3" COUPLER, 45°
6	530316	1	MANIFOLD REDUCER 3" X 2" COUPLER
7	530448	1	3" FLANGE X 3" FLANGE
8	530449	1	3" MANIFOLD TO HOSE BARB 45
9	530450	1	3" MANIFOLD 3 W AY VALVE
10	540003	5	CLAMP, W ORM SCREW 3"
11	540009	2	CLAMP, 3" T BOLT
12	550025	1	PUMP, ACE 205F 304 ASSEMBLY
13	632079	1	VALVE, BUTTERFLY, 1.5", Deutsch Connector

Pump Option - 80, 90 & 100' Boom With ACE 205-304 PWM Pump



Pump Option - 80, 90 & 100' Boom With ACE 205-304 PWM Pump Parts List

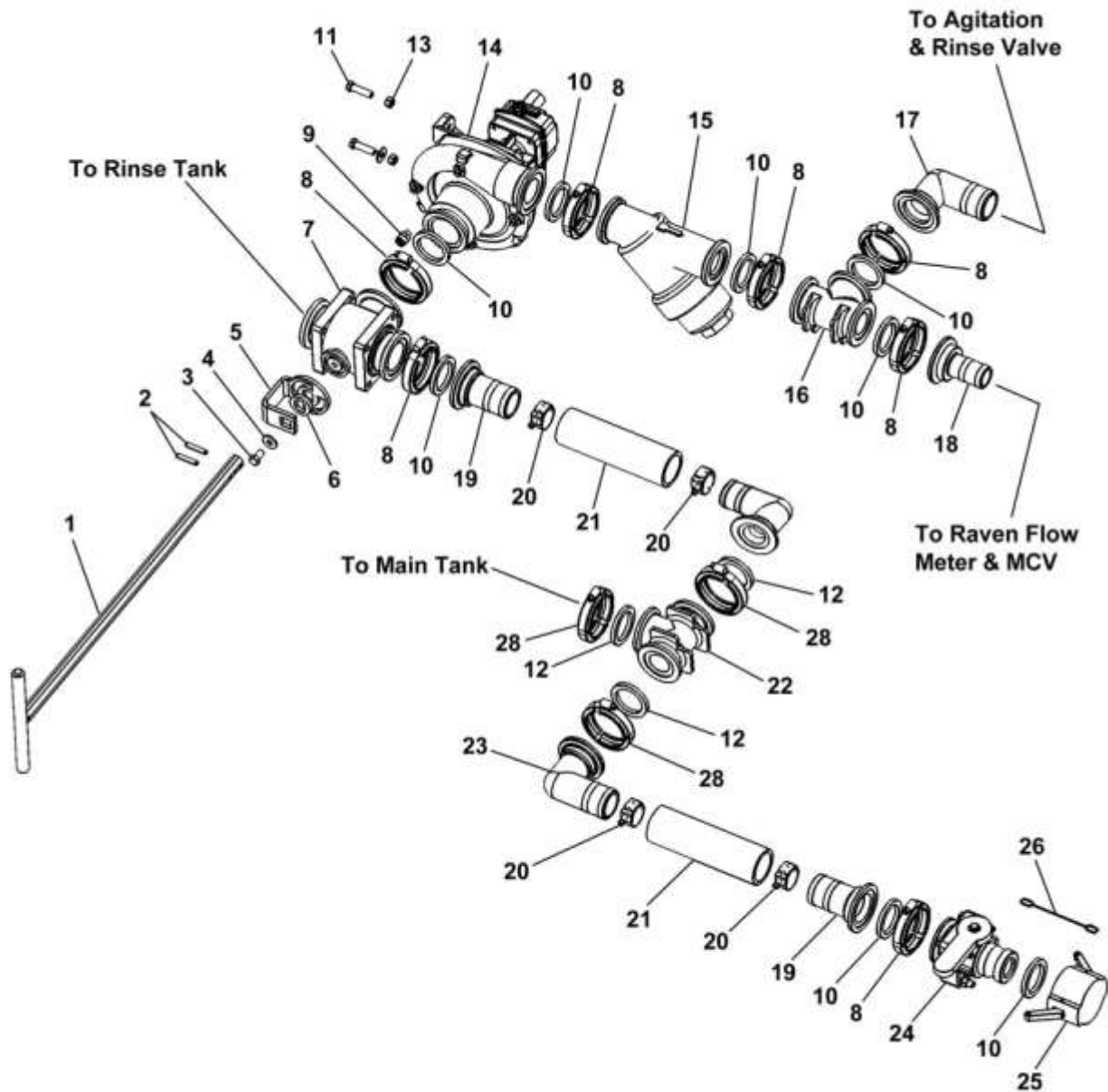
ITEM	PART NO.	QTY.	DESCRIPTION
1	18339	2	PLATE, PUMP SPACER
2	510004	2'	HOSE, 3" FERTILIZER
3	530024	5	GASKET, 3" EPDM
4	530113	1	Flanged 3 Inch Hose Barb
5	530234	1	3" COUPLER, 45°
6	530316	1	MANIFOLD REDUCER 3" X 2" COUPLER
7	530448	1	3" FLANGE X 3" FLANGE
8	530449	1	3" MANIFOLD TO HOSE BARB 45
9	530450	1	3" MANIFOLD 3 W AY VALVE
10	540003	5	CLAMP, W ORM SCREW 3"
11	540009	2	CLAMP, 3" T BOLT
12	550035	1	PUMP, ACE 205F W ITH 304 PW M

Pump Option - 60' - 100' Boom With HYPRO Pump

Pump Option - 60' - 100' Boom With HYPRO Pump Pump Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	500034	1	VALVE, 2" BOTTOM LOAD FPF
2	510003	1	BUMBLEBEE HOSE, 2"
3	530019	2	GASKET, 2" EPDM
4	530103	1	MANIFOLD FLANGE 2" FP X 2" HB
5	530111	1	MANIFOLD, 3" X 2" HB
6	540002	2	CLAMP, WORM SCREW 2"
7	540007	2	CLAMP, HOSE 2" T-BOLT
8	550011	1	PUMP, HYPRO
9	632079	1	VALVE, BUTTERFLY, 1.5", Deutsch Connector

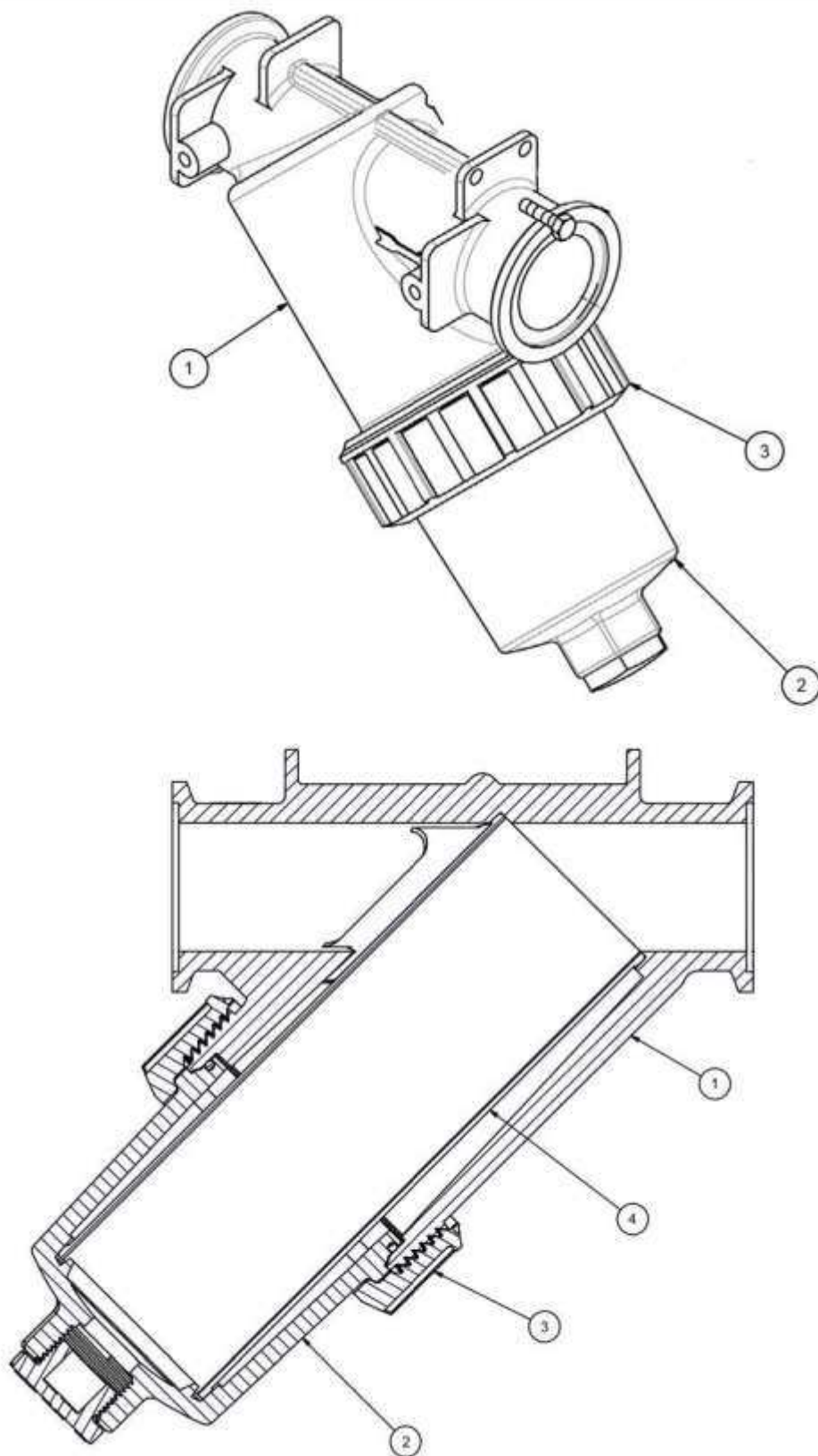
Quick Fill & Pump Feed - 80,90&100 Ft Boom With HYPRO Pump



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"

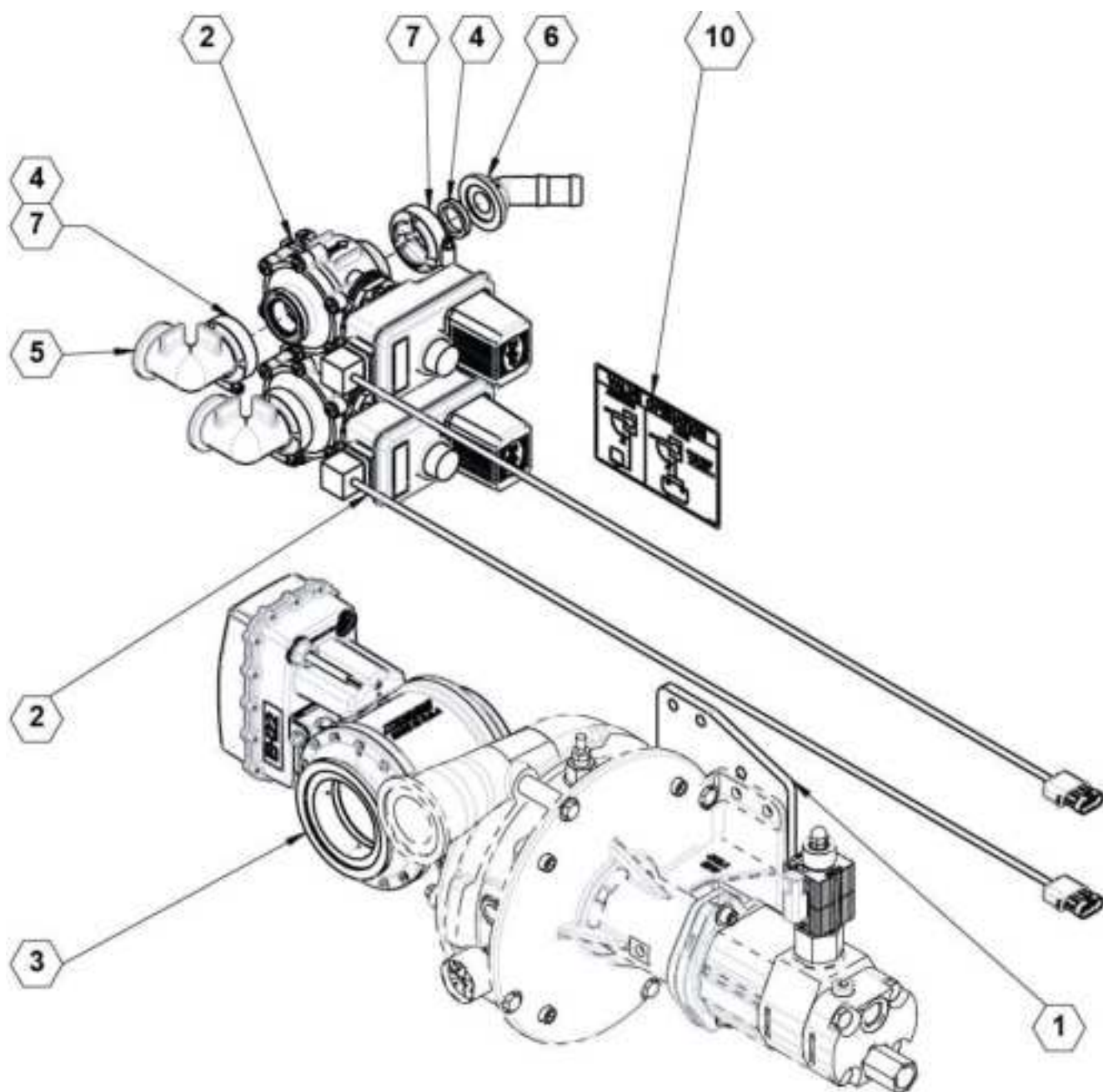
Y Strainer



Y Strainer Parts List 530125

ITEM	PART NO.	VENDOR PART NO.	QTY.	DESCRIPTION
	530125		1	COMPLETE STRAINER
1		M LS222B	1	2" FP LINE STRAINER BODY
2		M LS220C1	1	M LS220 CAP ASSEMBLY
3		M LS220R1	1	2" FP LS RETAINING RING
4		LST204SS	1	4 SS M ESH SCREEN
4		LST206SS	1	6 SS M ESH SCREEN
4		LST208SS	1	8 SS M ESH SCREEN
4		LST210SS	1	10 SS M ESH SCREEN
4		LST216SS	1	16 SS M ESH SCREEN
4		LST230SS	1	30H SS M ESH SCREEN
4		LST250SS	1	50 SS M ESH SCREEN
4		M LS250SS	1	50 SS M ESH PERFORATED SCREEN
4		LST280SS	1	80 SS M ESH SCREEN
4		M LS280SS	1	80 SS M ESH PERFORATED SCREEN
4		LST2100SS	1	100 SS M ESH SCREEN
4		M LS2100SS	1	100 SS M ESH PERFORATED SCREEN

Electrical Valving Option



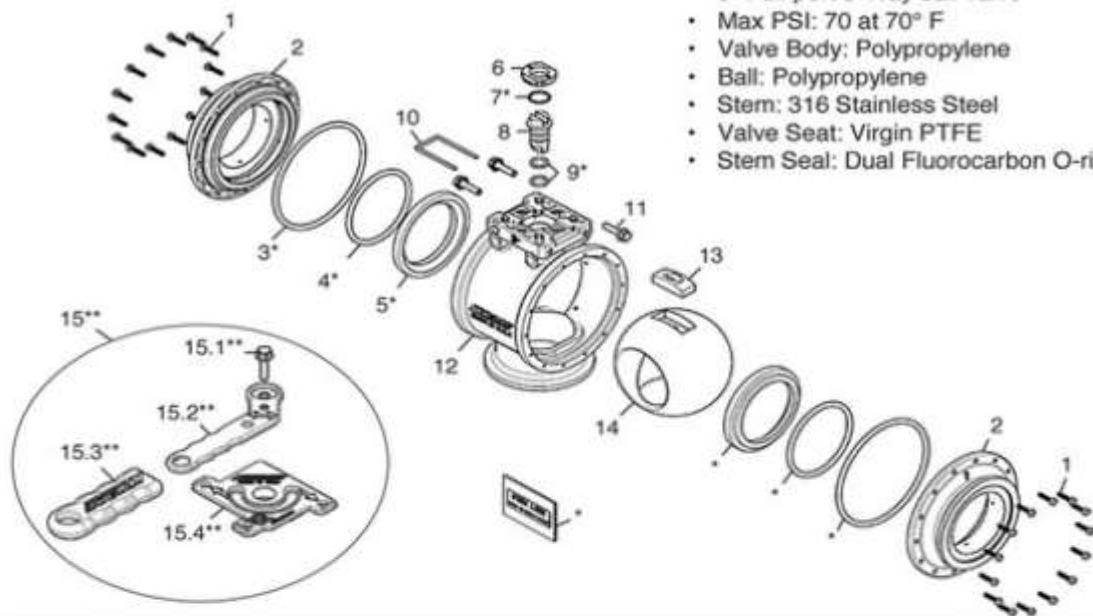
Electrical Valving Option 99FSEVO Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	18305	1	PLATE, ADAPTER, ACE OASIS PUMP
2	500064	2	VALVE, 356 SERIES ON/OFF ELEC. AGITATION
3	500080	1	VALVE, 3" 3-WAY ACTUATED
4	530068	4	GASKET, 1.00 EPDM
5	530362	2	FITTING, 1" MANIFOLD 90 ELBOW
6	530426	2	ELBOW 45, 1.00 FLANGE X 1.00 HB
7	540000	4	CLAMP, WORM SCREW, 1.00
8	632155	1	CAB BOX, ELECTRIC RINSE & AGITATE
9	632156	1	HARNESS, ELECTRIC RINSE & AGITATE
10	800016	1	DECAL, MAIN TANK VALVE OPERATION

Pump Electric Valve Option

Electric Valve 500080

MX12 3-way



Design Features:

- 3" Full port 3-Way ball valve
- Max PSI: 70 at 70° F
- Valve Body: Polypropylene
- Ball: Polypropylene
- Stem: 316 Stainless Steel
- Valve Seat: Virgin PTFE
- Stem Seal: Dual Fluorocarbon O-rings

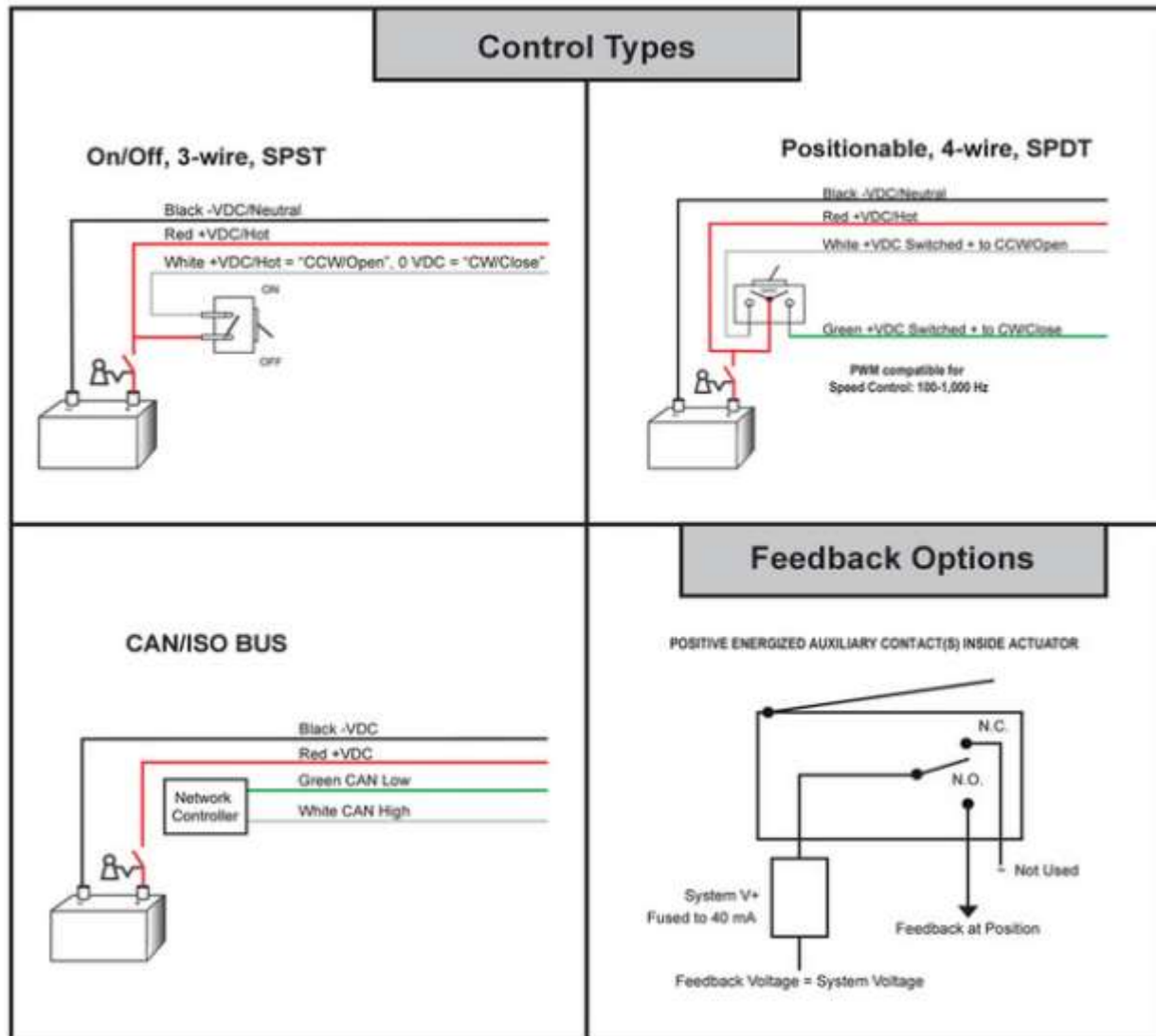
No.	Part Number	Description	Qty
1	100-0002	screw, #8, 3/4, stainless steel, 18-8	28
2	202-0080	endcap, M300, 3" full port flange	2
3*	205-0030	o-ring, EPDM	2
4*	205-0040	o-ring, EPDM	2
5*	206-0025	seat, 3" full port	2
6	QX4-121-3	stem retainer bushing, polypropylene	1
7*	QC3-170	thrust washer, PTFE	1
8	207-0001	stem, stainless steel inline	1
	207-0009**	stem, stainless steel inline, tapped for manual valve	
9*	QC3-130	o-ring, #113, VITON	2
10	QX-103	hairpin, stainless steel	1
11	100340	bolt, serrated flange, 1/4 - 20 x 1	3
12	201-0115	valve body, 3-way, bottom load, M300, 3" polypropylene full port	1
13	250-0050	shoe, ball/stem engagement	1
14	204-0030	valve ball, 3-way, 2" diverter	1
	204-0057	valve ball, 3" polypropylene full port	
15**	Manual Valve		
15.1**	100340	bolt, serrated flange, 1/4 - 20 x 1	1
15.2**	212-0010	handle	1
15.3**	212-0015	handle cover	1
15.4**	250-0040-P	retainer, stop plate	1
*	210-0026	valve repair kit, MX - 3" (M4K)	

*Items included in valve repair kits

**Manual valve only

See https://view.publitas.com/kzvalve/kzvalve_catalog

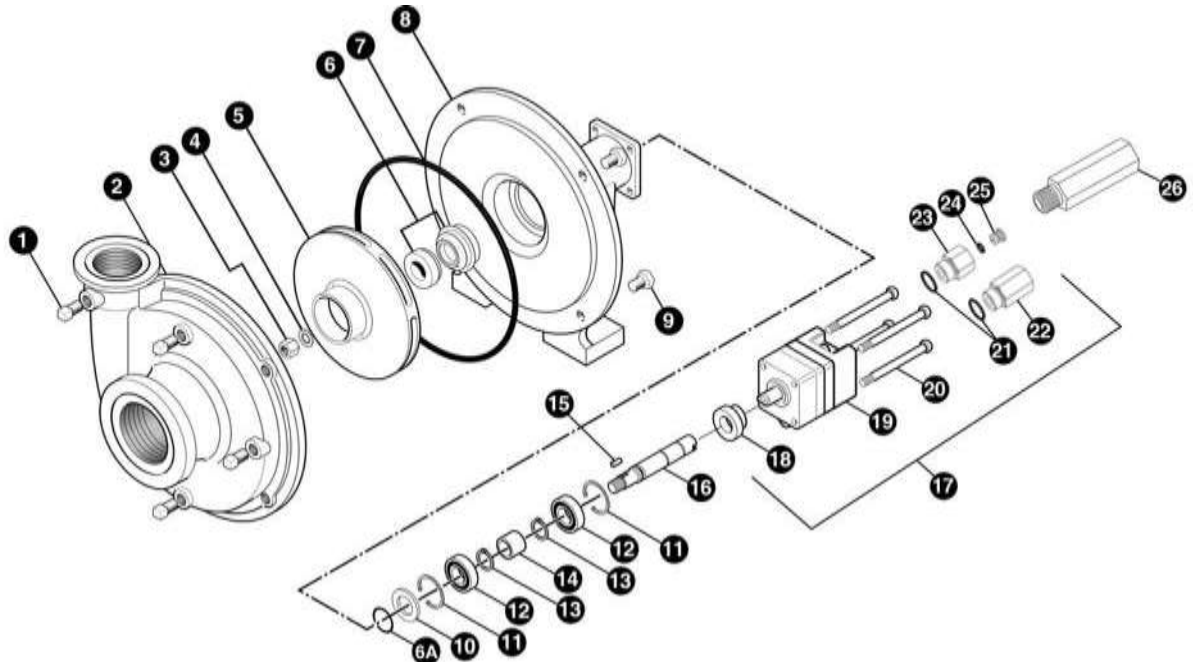
Pump Electric Valve Option



See https://view.publitas.com/kzvalve/kzvalve_catalog

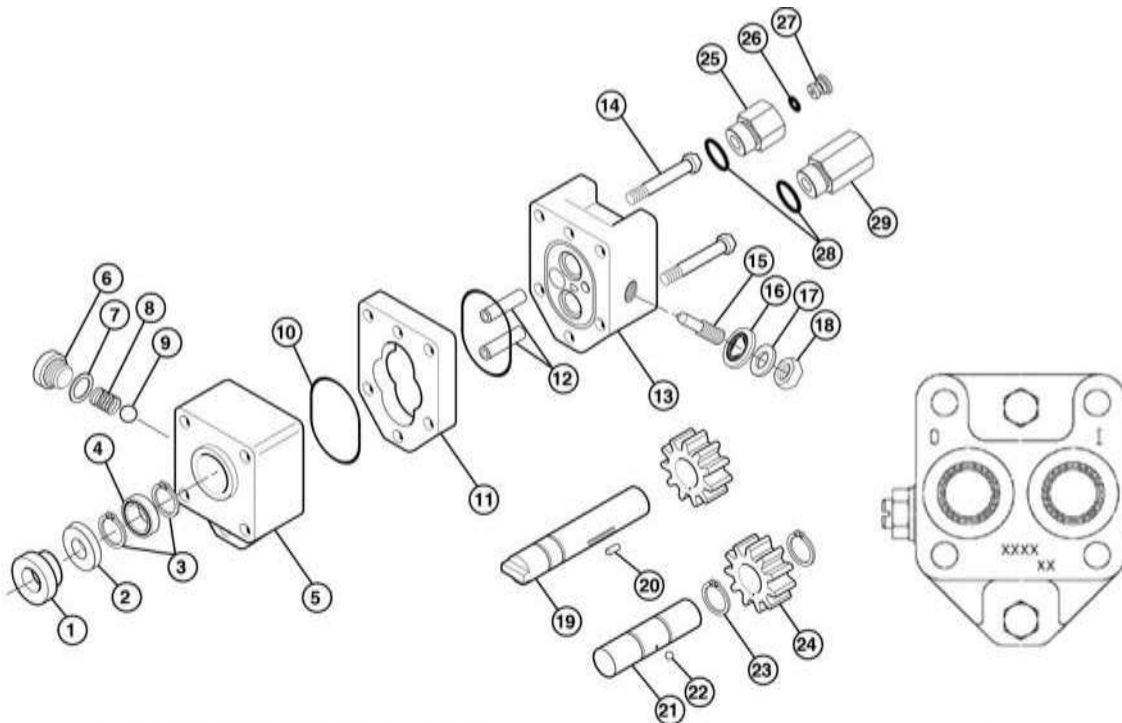


ACE 150-206 Pump 550000, 60 & 66 Foot Boom



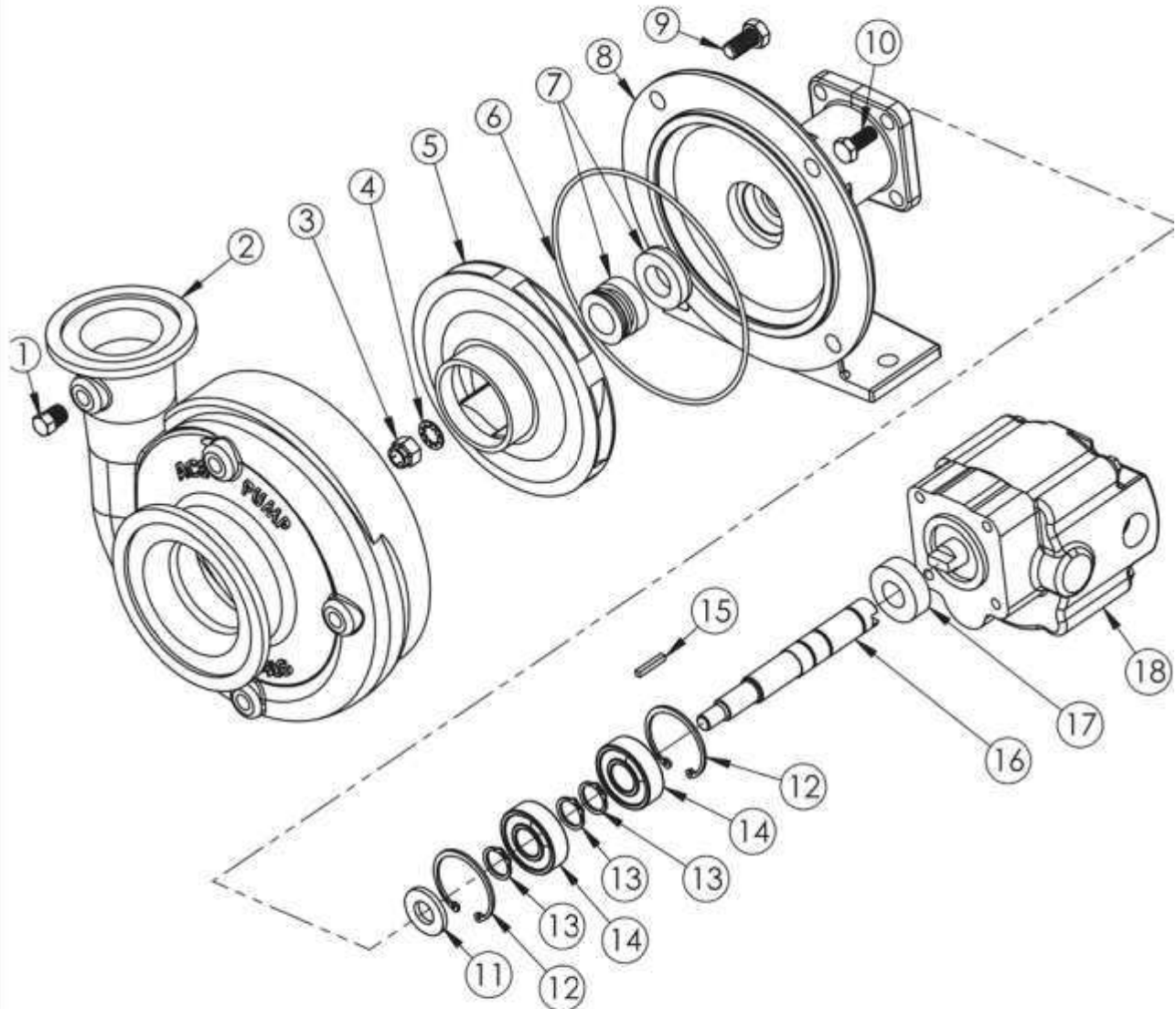
REF. #	PART NUMBER	EDP #	DESCRIPTION	REQ.
1	BAC-53	41110	Pipe plug	4
1	41120	41120	Pipe plug, stainless steel (optional)	4
2	BAC-12-150-FLG	40257	Volute, cast iron, NPT & flanged (for 150F models)	1
2	BAC-12-150-SS	40249	Volute, 316 stainless steel, NPT & flanged (for 150FS models)	1
3	BAC-23-A	40391	Nut, 3/8" NF, cad plated	1
3	BAC-23-A-SS	40392	Nut, 3/8" NF, stainless steel (optional)	1
4 ^{①②}	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
6 ^①	BAC-7V	40151	Seal, carbon/ceramic/Viton (includes 40160 O-Ring)	1
6 ^②	BAC-7SC	40152	Seal, silicon carbide/Viton (includes 40160 O-Ring) (optional)	1
6A ^{①②}	40160	40160	O-ring, shaft seal	1
7 ^{①②}	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	--

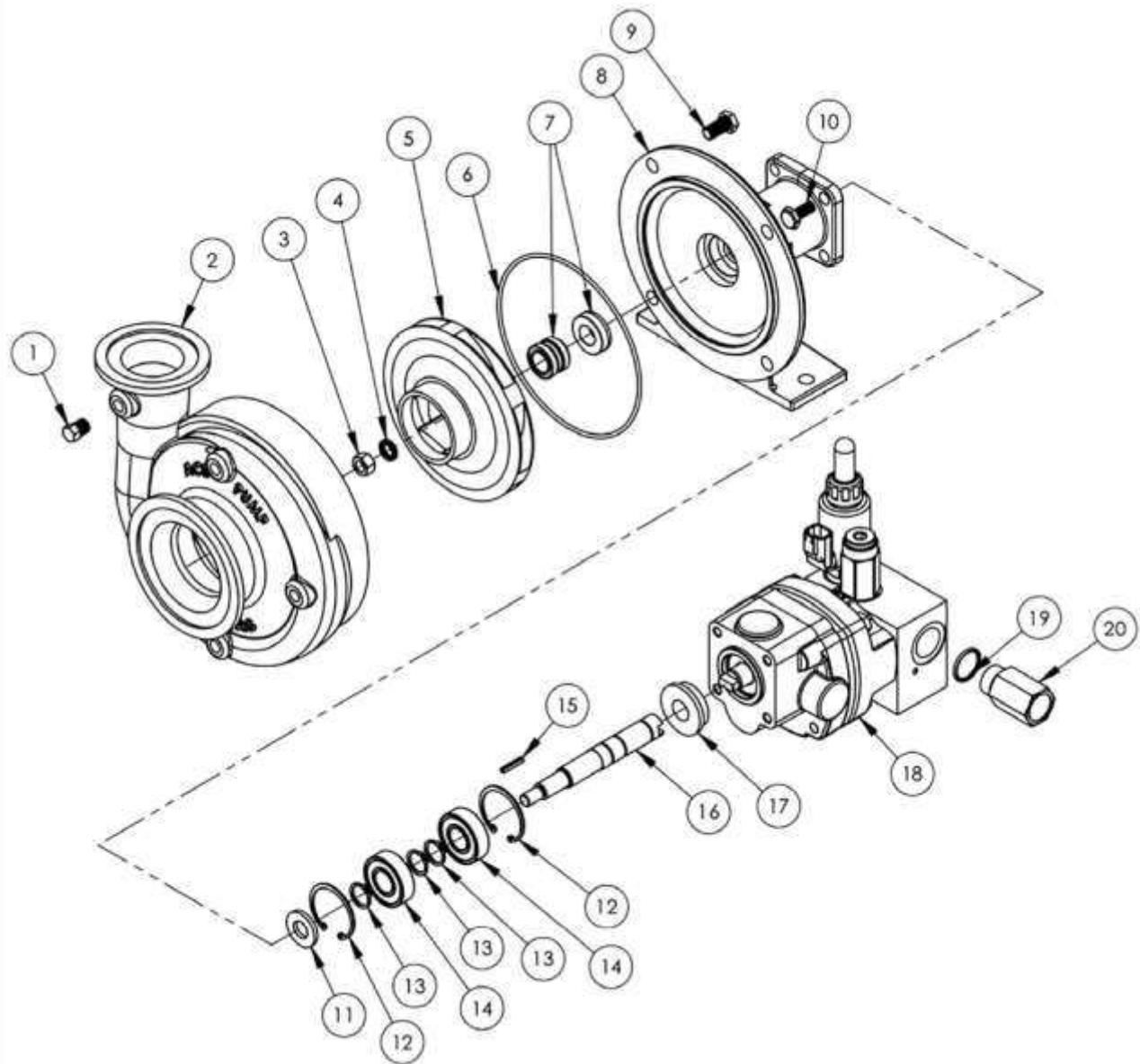
ACE 205-304 Pump 550025



ACE 205-304 Pump 550025 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

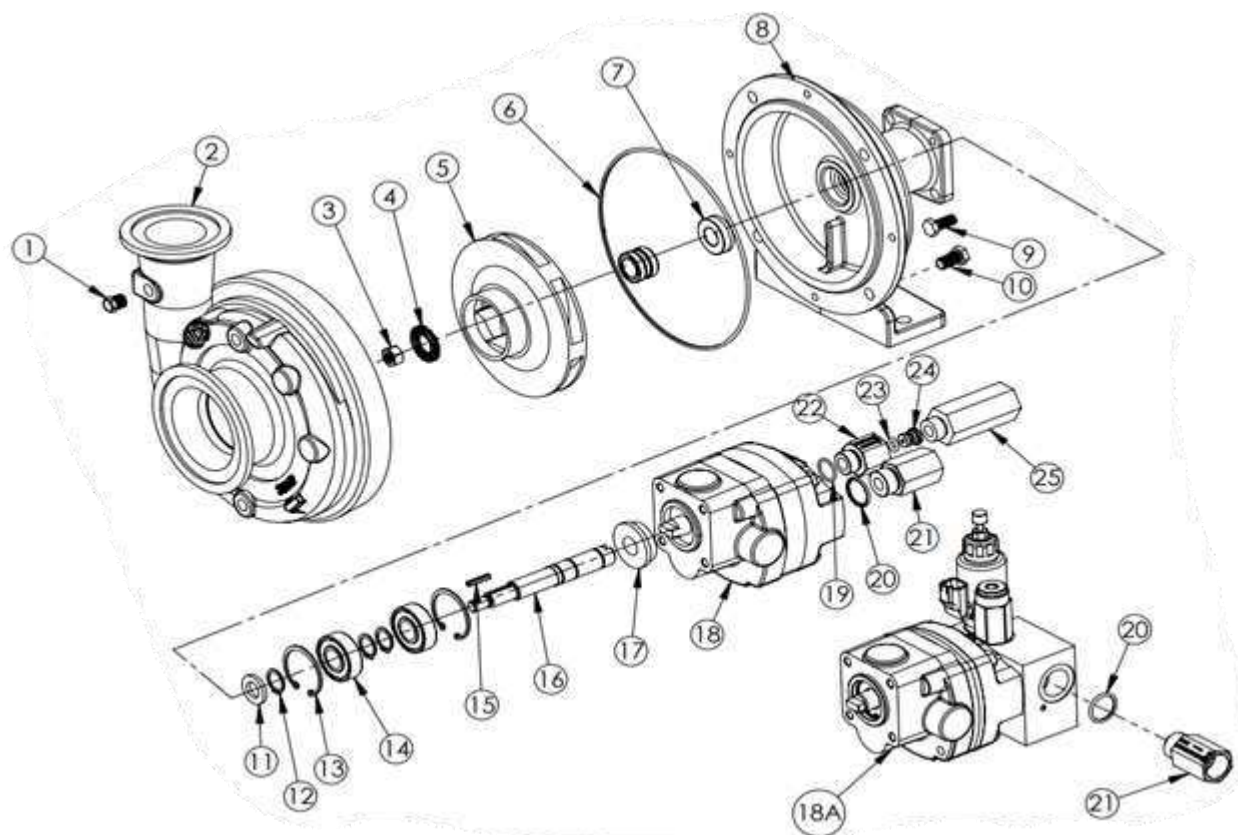
ACE 205-304 PWM Pump 550035



ACE 205-304 PWM Pump 550035 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

ACE 255F -304 (PWM) Pump 550055 (550056)

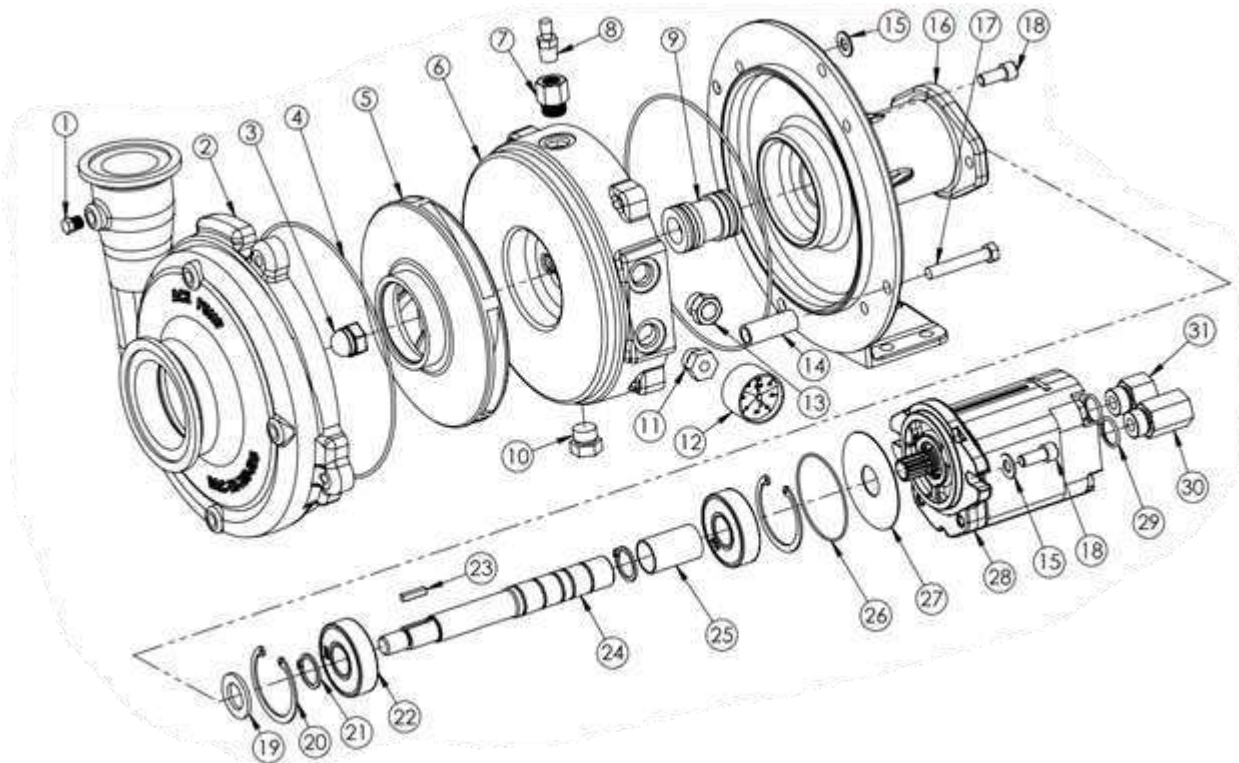


ACE 255F -304 (PWM) Pump 550055 (550056) Parts List

ITEM	EDP NO.	VENDOR NO.	QTY.	DESCRIPTION
0	-	550055 (550056)	1	PUMP, 255-304 WET SEAL (PWM)
1	41100	BAC-53	4	PIPE PLUG
1	41120	41120	4	PIPE PLUG, STAINLESS STEEL (OPTIONAL)
2	30149	BAC-12-255-FLG	1	VOLUTE, CAST IRON, 300 X 220 FLANGED, E-COATED
3	40393	BAC-23-B-SS	1	NUT, 3/8" NF, SS
4	42702	BAC-24-B-SS	1	WASHER, 3/8" SS, VIBRATION PROOF
5	40434	BAC-26-200-P	1	IMPELLER, THERMOPLASTIC, KEYWAY
5	40433	BAC-26-200-CI	1	IMPELLER, CAST IRON, KEYWAY (OPTIONAL)
5	40436	BAC-26-200-SS	1	IMPELLER, STAINLESS STEEL, KEYWAY (OPTIONAL)
6	40015	BAC-4-150	1	O-RING, BODY SEAL
7	40149	BAC-7SC-205V	1	SEAL, TYPE 2106 SILICON CARBIDE MECHANICAL SEAL
8	40288	BAC-14-5-HYD	1	MOUNTING FRAME, CAST IRON, E-COATED
9	41330	41330	2	CAP SCREW, 5/16" NC X 3/4"

10	40950	40950	4	CAP SCREW, 3/8"NC X 3/4" HEX HEAD
10	40930	40930	4	CAP SCREW, 3/8"NC X 3/4" HEX HEAD, STAINLESS STEEL (OPTIONAL)
11	41130	BAC-54	1	SLINGER
12	40385	BACH-32-HD	3	SNAP RING, EXTERNAL, SHAFT
13	40820	BACH-33	2	SNAP RING, INTERNAL, MOUNTING FRAME
14	40880	40880	2	BEARING
15	40425	BAC-25	1	KEY, 1/8" X 1/8" X 13/16" SS
16	41584	BAC-6-255-HYD-SS	1	SHAFT, .625 DIA, 255, SS
17	40163	S305	1	SEAL SUPPORT SPACER (304N)
18	41343	BAC-75-HYD-304	1	HYDRAULIC MOTOR, 9 GPM (INCLUDES 17,18, 19,20,21,22,23, 24)
18	41312	BAC-75-HYD-306	1	HYDRAULIC MOTOR, 16.5 GPM (INCLUDES 17,18B, 19,20,21,22,23, 24A)
18A	41348	BAC-75-HYD-304-PWM	1	HYDRAULIC MOTOR, INTEGRATED PWM VALVE, 9 GPM (INCLUDES 17,18A,20,21A)
19	41875	41875	1	O-RING, #8 SAE FITTING
20	41445	41445	1	O-RING, #10 SAE FITTING
21	41442	BAC-78-10SAE	1	REVERSE CHECK ASSEMBLY, #10 SAE X 1/2" NPT, W/ O-RING
21A	41467	BAC-78-10X10SAE	1	REVERSE CHECK ASSEMBLY, #10 SAE X #10 SAE, W/ O-RING (OPTIONAL)
22	41455	BAC-80-8SAE	1	BODY, RESTRICTOR ORIFICE, #8 SAE X 1/2" NPT, W/ O-RING
23	41448	41448	1	O-RING, RESTRICTOR
24	41447	BAC-79-8	1	ORIFICE INSERT, RESTRICTOR, W/ O-RING (304) (DO NOT USE WITH 304-PWM)
24A	41449	BAC-79-9	1	ORIFICE INSERT, RESTRICTOR, W/ O-RING (306)
25	41429	LS-304N	1	FLOW LIMITING VALVE, #8 MSAE X 1/2" FNPT (304) (OPTIONAL)
*	52717	RK-FMCSC-PRO5	-	REPAIR KIT, INCLUDES ITEMS 6 AND 7
*	41362	RK-BAC-75-HYD-300-L	-	REPAIR KIT; 300 SERIES HYD MOTOR WITH HIGH PRESSURE LIP SEAL

ACE 750 Pump 550050

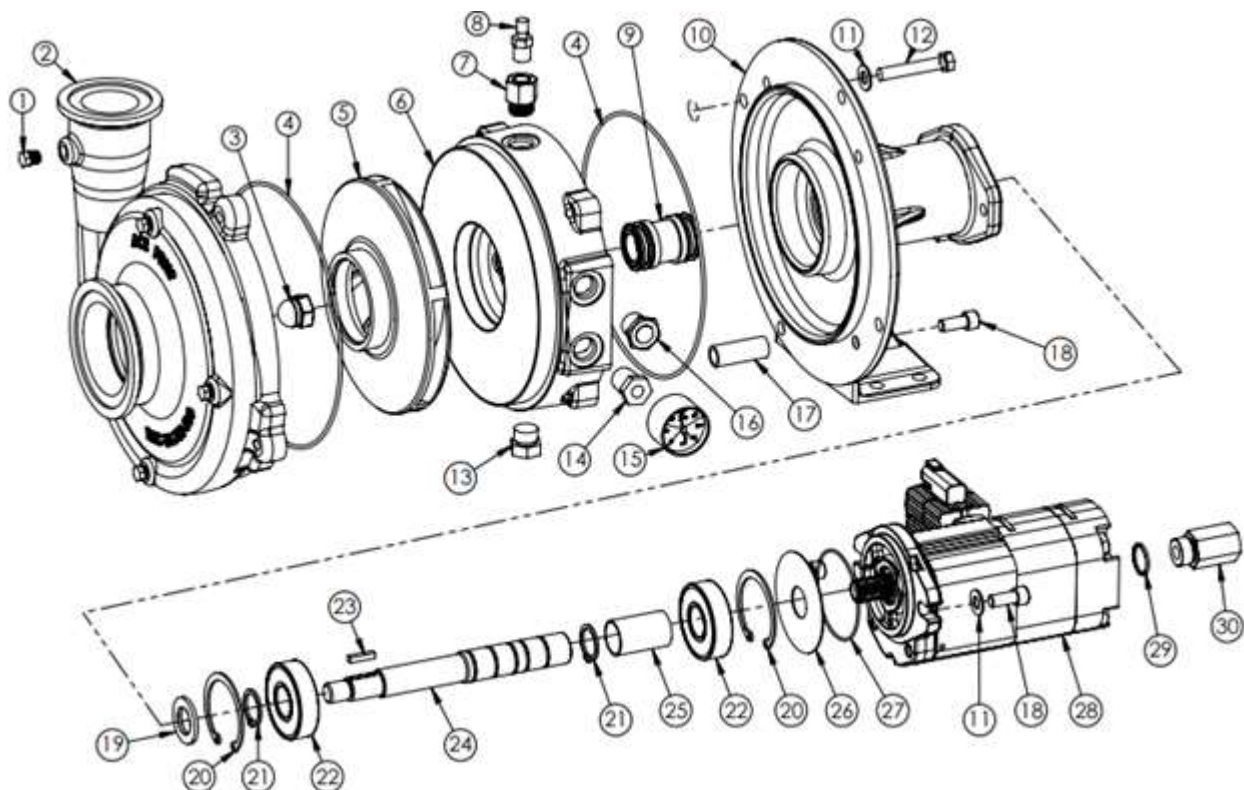


ACE 750 Pump 550050 Parts List

ITEM	EDP NO.	VENDOR NO.	QTY.	DESCRIPTION
0	-	550018 (550050)	1	PUMP 750 OASIS ACE (STAINLESS), COMPLETE
1	41110	BAC-53	4	PIPE PLUG, 1/8" NPT
2	30158	BAC-12-750-FLG	1	VOLUTE, 300 X 220 FLANGE, CAST IRON, E-COATED
3	40397	40397	1	ACORN NUT, 5/8"-11 STAINLESS STEEL
4	30009	ACAL-4	2	O-RING, VOLUTE SEAL
5	30182	BAC-26-750-CI	1	IMPELLER, CAST IRON, E-COATED
5	30189	BAC-26-750-SS	1	IMPELLER, 316 STAINLESS STEEL (OPTIONAL)
6	45264	BAC-16-750	1	SEAL PLATE, CAST IRON, E-COATED
7	41107	41107	1	PLUG, #8 SAE X 1/4" FNPT, HEX HEAD, WITH O-RING
8	41316	41316	1	AIR VALVE, 1/4" NPT
9	40147	BAC-7-750V	1	DUAL SEAL ASSEMBLY, TYPE 21, .875 SHAFT
10	41108	41108	1	PLUG, SAE #8, HEX HEAD, WITH O-RING
11	44039	44039	1	BUSHING, #8 SAE X 1/8" FNPT
11	44038	44038	1	BUSHING, 1/2" MNPT X 1/8" FNPT (PRIOR TO 11/11)
12	50150	50150	1	PRESSURE GAUGE, 0-60 PSI, 1/8" NPT

13	55851	55851	1	SITE GAUGE, #8 SAE, STEEL
13	55850	55850	1	SITE GAUGE, BRASS 1/2" NPT
14	45267	45267	4	SPACER, SEAL PLATE
15	42701	42701	3	WASHER, 3/8", VOLUTE AND MOTOR MOUNT
16	40333	BAC-14-750-HYD	1	MOUNTING FRAME, CAST IRON, E-COATED
17	40952	40952	4	CAP SCREW, 3/8" NC X 2-1/2", HEX HEAD (VOLUTE)
18	41907	41907	4	CAP SCREW, 3/8" NC X 1", SOCKET HEAD (SEAL PLATE, MOTOR MOUNT)
19	41132	BAC-54-650	1	SLINGER, 7/8" SHAFT
20	41943	41943	2	SNAP RING, INTERNAL, FRAME
21	30174	ACAL-32	2	SNAP RING, EXTERNAL, SHAFT
22	40875	40875	2	BALL BEARING, SEALED
23	41085	41085	1	KEY, .188 X .188 X .875
24	40066	BAC-6-750-HYD-SS-WS	1	SHAFT, 11T FEMALE SPLINE, STAINLESS STEEL
25	40793	BAC-32-750	1	SPACER, SHAFT
26	43419	43419	1	O-RING, FLANGE, M SERIES MOTOR (EFFECTIVE 6/15)
27	43414	43414	1	PAD, ABSORBENT, M SERIES MOTOR (EFFECTIVE 6/15)
28	41355	BAC-75-HYD-M22	1	HYDRAULIC MOTOR, PRESSURE PLATED GEAR TYPE, 18 GPM
28	41356	BAC-75-HYD-M25	1	HYDRAULIC MOTOR, PRESSURE PLATED GEAR TYPE, 20 GPM
29	41445	41445	2	O-RING, #10 SAE FITTING
30	41442	BAC-78-10SAE	1	REVERSE CHECK, #10 SAE MALE X 1/2" NPT FEMALE
31	41446	BAC-80-10SAE	1	BODY, ADAPTER/RESTRICTOR, #10 SAE MALE X 1/2" NPT FEMALE
NS	55032	55032	1.32	BARRIER FLUID, ROYAL PURPLE, QUART
NS	52724	RK-FMC-750	-	REPAIR KIT, INCLUDES ITEMS 4 (2 PCS.), 9, AND 32 (2 QTS.)

ACE 750 PWM Pump 550044



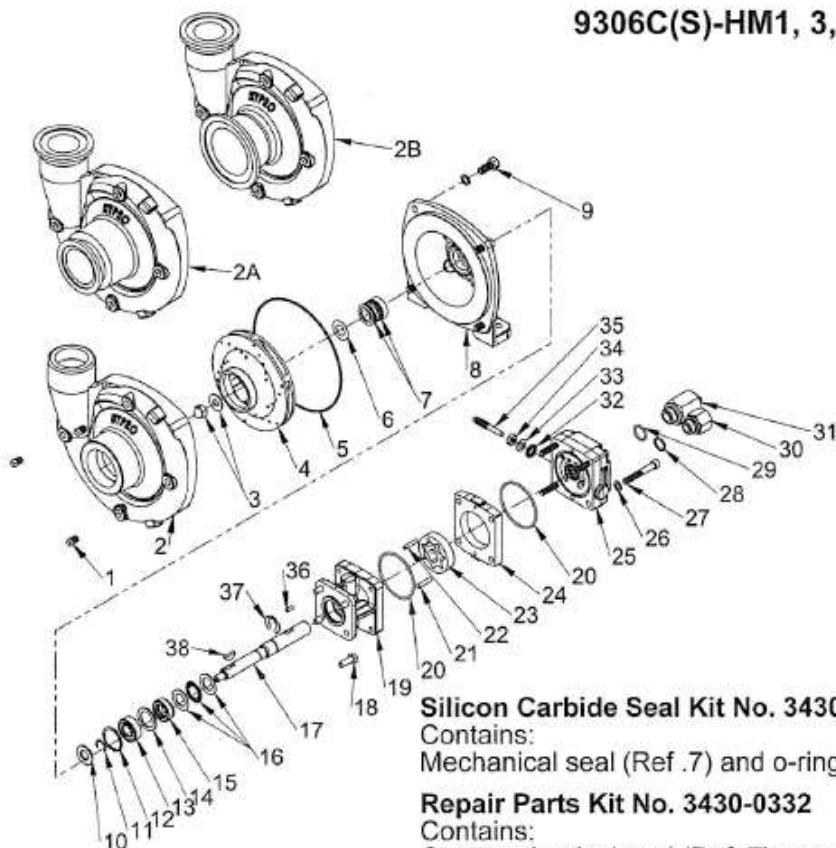
ACE 750 PWM Pump 550044 Parts List

ITEM	EDP NO.	VENDOR NO.	QTY	DESCRIPTION
0	-	550044	1	PUMP ACE OASIS 750, PWM, COMPLETE
1	41110	BAC-53	4	PIPE PLUG, 1/8" NPT
2	30158	BAC-12-750-FLG	1	VOLUTE, 300 X 220 FLANGE, CAST IRON, E-COATED
3	40397	40397	1	ACORN NUT, 5/8"-11 STAINLESS STEEL
4	30009	ACAL-4	2	O-RING, VOLUTE SEAL
5	30182	BAC-26-750-CI	1	IMPELLER, CAST IRON, E-COATED
5	30189	BAC-26-750-SS	1	IMPELLER, 316 STAINLESS STEEL (OPTIONAL)
6	45264	BAC-16-750	1	SEAL PLATE, CAST IRON, E-COATED
7	41107	41107	1	PLUG, #8 SAE X 1/4" FNPT, HEX HEAD, WITH O-RING
8	41316	41316	1	AIR VALVE, 1/4" NPT
9	40147	BAC-7-750V	1	DUAL SEAL ASSEMBLY
10	40333	BAC-14-750-HYD	1	MOUNTING FRAME, CAST IRON, E-COATED
11	42701	42701	3	WASHER, 3/8", VOLUTE DISCHARGE AND MOTOR MOUNT
12	40952	40952	4	CAP SCREW, 3/8" NC X 2-1/2", HEX HEAD (VOLUTE)

13	41108	41108	1	PLUG, SAE #8, HEX HEAD, WITH O-RING
14	44039	44039	1	BUSHING, #8 SAE X 1/8" FNPT
15	50150	50150	1	PRESSURE GAUGE, 0-60 PSI, 1/8" NPT
16	55851	55851	1	SITE GAUGE, #8 SAE, STEEL
17	45267	45267	4	SPACER, SEAL PLATE
18	41907	41907	1	CAP SCREW, 3/8" NC X 1", SOCKET HEAD (SEAL PLATE, MOTOR MOUNT) 6 19 BAC-54-650 41132 SLINGER, 7/8" SHAFT
20	41943	41943	2	SNAP RING, INTERNAL, FRAME
21	30174	ACAL-32	2	SNAP RING, EXTERNAL, SHAFT
22	40875	40875	2	BALL BEARING, SEALED
23	41085	41085	1	KEY, .188 X .188 X .875
24	40066	BAC-6-750-HYD-SS-WS	1	SHAFT, 11T FEMALE SPLINE, STAINLESS STEEL
25	40793	BAC-32-750	1	SPACER, SHAFT
26	43414	43414	1	PAD, ABSORBENT, M SERIES MOTOR
27	43419	43419	1	O-RING, FLANGE, M SERIES MOTOR
28	41336	BAC-75-HYD-M22-PWM	1	HYDRAULIC MOTOR, 18 GPM (65.9 LPM), WITH INTEGRATED VALVE
29	41445	41445	2	O-RING, #10 SAE FITTING
30	41442	BAC-78-10X10SAE	1	REVERSE CHECK, #10 SAE MALE X #10 SAE FEMALE
31	55032	55032	1.32	55032 BARRIER FLUID, QUART 1.32 J RK-FMC-750
NS	52724		-	REPAIR KIT, INCLUDES ITEMS 4 (2 PCS.), 9, AND 31 (2 QTS.)

HYPRO 9306 Pump 550045

9306C(S)-HM1, 3, 5C and 9306C(S)-HM1, 3, 5C-3U



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

Parts Kit No. 3430-0881
Contains: One each ball bearing (Ref. 13), motor shaft seal (Ref. 15), thread seal gasket (Ref. 32), and washer (Ref. 33); two spacer O-rings (Ref. 20), and port adapter o-rings (Ref. 28 & 29).

Silicon Carbide Seal Kit No. 3430-0589

Contains:
Mechanical seal (Ref. 7) and o-ring (Ref. 5).

Repair Parts Kit No. 3430-0332

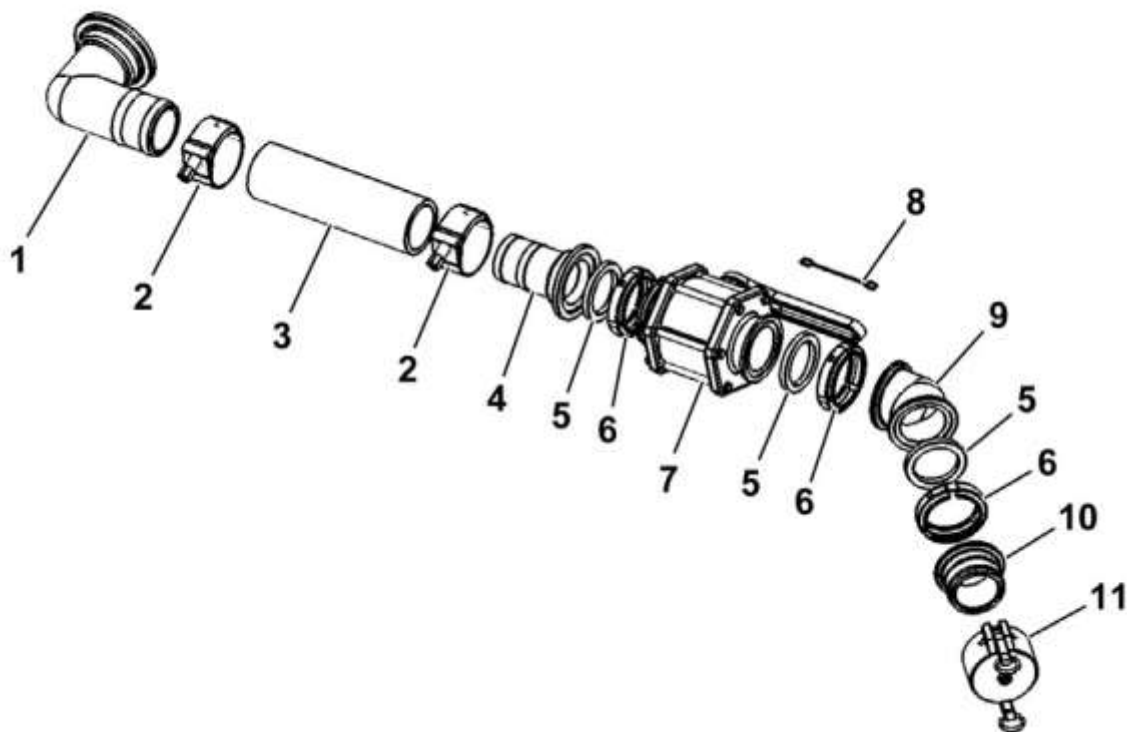
Contains:
One mechanical seal (Ref. 7), one o-ring (Ref. 5) and one rubber gasket (Ref. 6).

Hydraulic Motor Part Nos.
2540-0806C (HM1C Models)
2540-1606C (HM3C Models)
2540-1006C (HM5C Models)

Ref. No.	Qty. Req'd.	Part No.	Description
1	4	2406-0016	Drain/Vent Plug
2	1	0154-9200C1	Pump Casing (9306C)
2	1	0154-9200S1	Pump Casing (9306S)
2A	1	0157-9200C	Pump Casing (Universal Flange 2" X 2" Cast)
2A	1	0157-9200S	Pump Casing (Universal Flange 2" X 2" S.S.)
2B	1	0158-9200C	Pump Casing (Universal Flange 3" X 2" Cast)
2B	1	0158-9200S	Pump Casing (Universal Flange 3" X 2" S.S.)
3	1	3430-0825	Impeller Nut (9306C and 9306S)
4	1	0401-9200P2	Impeller (Nylon Std. 9306C)
4	1	0405-9100P2	Impeller (Polypropylene Optional) (Std. 9306S)
4	1	0407-9306P	Impeller (GTX Optional)
5	1	3430-0332	O-ring
6	1	3430-0332	Gasket
7	1	3430-0332	Mechanical Seal (Viton/Cermaic) (Std. 9306C)
7	1	3430-0589	Mechanical Seal (Silicon Carbide) (Std. 9306S)
8	1	0750-9300C2	Mounting Flange (9306C)
8	1	0756-9300S	Mounting Flange (9306S)
9	4	2210-0020	Hex Head Cap Screw (9306C)
9	4	2210-0125	Hex Head Cap Screw (9306S)
10	1	1410-0056	Slinger Ring
11	1	1810-0014	Snap Ring
12	1	1820-0013	Retaining Ring
13	1	3430-0881	Ball Bearing
14	1	1410-0154	Spacer
15	1	3430-0881	Lip Seal
16	1	2029-0014	Thrust Bearing Assembly
17	1	3430-0852	Shaft (HM1C/HM5C)
17	1	3430-0855	Shaft (HM3C)
18	4	2210-0005	Hex Head Cap Screw
19	1	0150-2540C	Motor Body (Includes needle bearing)
19	1	0150-2542C	Motor Body Case Drain SAE -4 (Includes needle bearing)

Ref. No.	Qty. Req'd.	Part No.	Description
20	1	3430-0881	O-ring
21	1	1600-0095	Dowel Pin (HM1C/HM5C)
21	1	1600-0096	Dowel Pin (HM3C)
22	1	1600-0084	Dowel Pin (HM1C/HM5C)
22	1	1600-0085	Dowel Pin (HM3C)
23	1	3900-0022	Gerotor (HM1C)
23	1	3900-0024	Gerotor (HM3C)
23	1	3900-0048	Gerotor (HM5C)
24	1	0720-2803	Gerotor Housing (HM1C Models) 1/2" wide
24	1	0720-2806	Gerotor Housing (HM3C Models) 1" wide
24	1	0720-2804	Gerotor Housing (HM5C Models) 5/8" wide
25	1	0254-2500C2	Motor End Plate (includes needle bearing)
25	1	0254-2500C3	Motor End Plate -8, -10 SAE, No Bypass (Includes needle bearing)
26	4	2270-0039	Washer
27	4	2220-0021	Cap Screw (HM1C Models)
27	4	2220-0044	Cap Screw (HM3C Models)
27	4	2220-0032	Cap Screw (HM5C Models)
28	1	3430-0881	O-ring
29	1	3430-0881	O-ring
30	1	3360-0021A	Pressure Port Adapter (includes o-ring)
31	1	3320-0051A	Tank Port Adapter (includes o-ring)
32	1	3430-0881	Gasket
33	1	3430-0881	Washer
34	1	2250-0038	Lock Nut
35	1	3220-0029	Bypass Adjusting Screw
36	1	1610-0031	Gerotor Key (HM1C/HM5C)
36	1	1610-0055	Gerotor Key (HM3C)
37	1	1810-0026	Snap Ring
38	1	1610-0012	Woodruff Key (9306C)
38	1	04432-SHW	Woodruff Key (9306S)

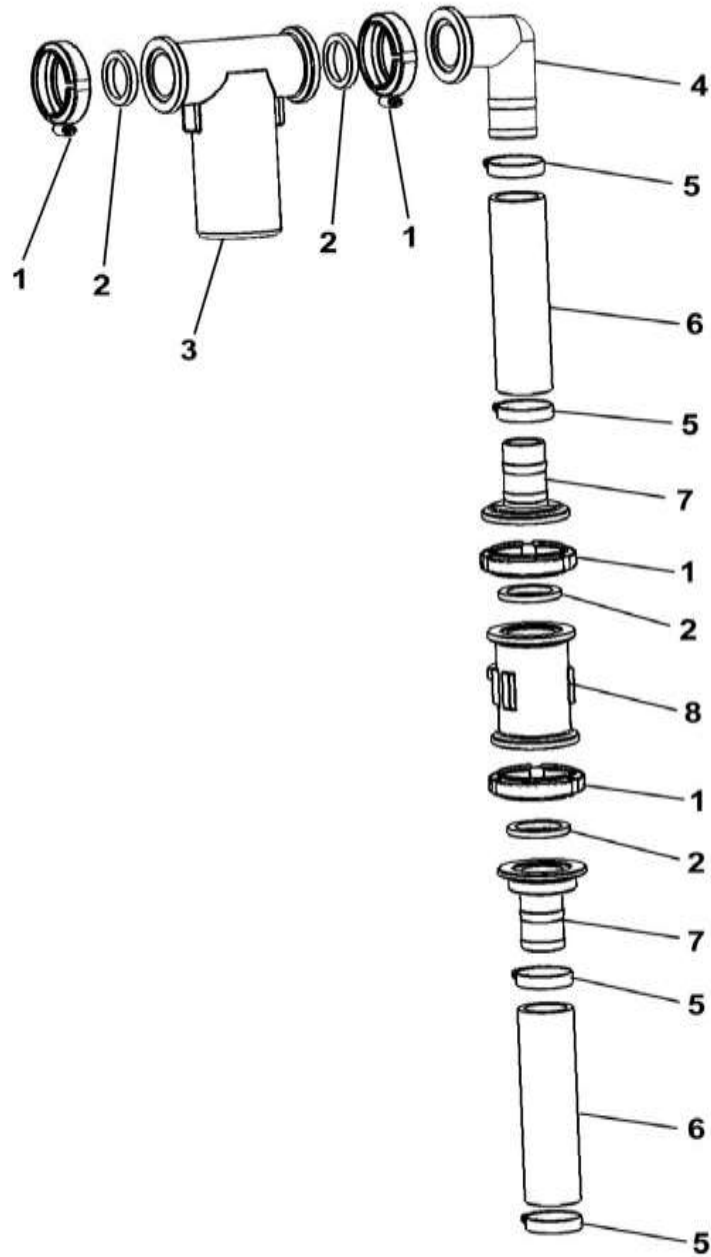
Quick Fill - Optional 3 Inch



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

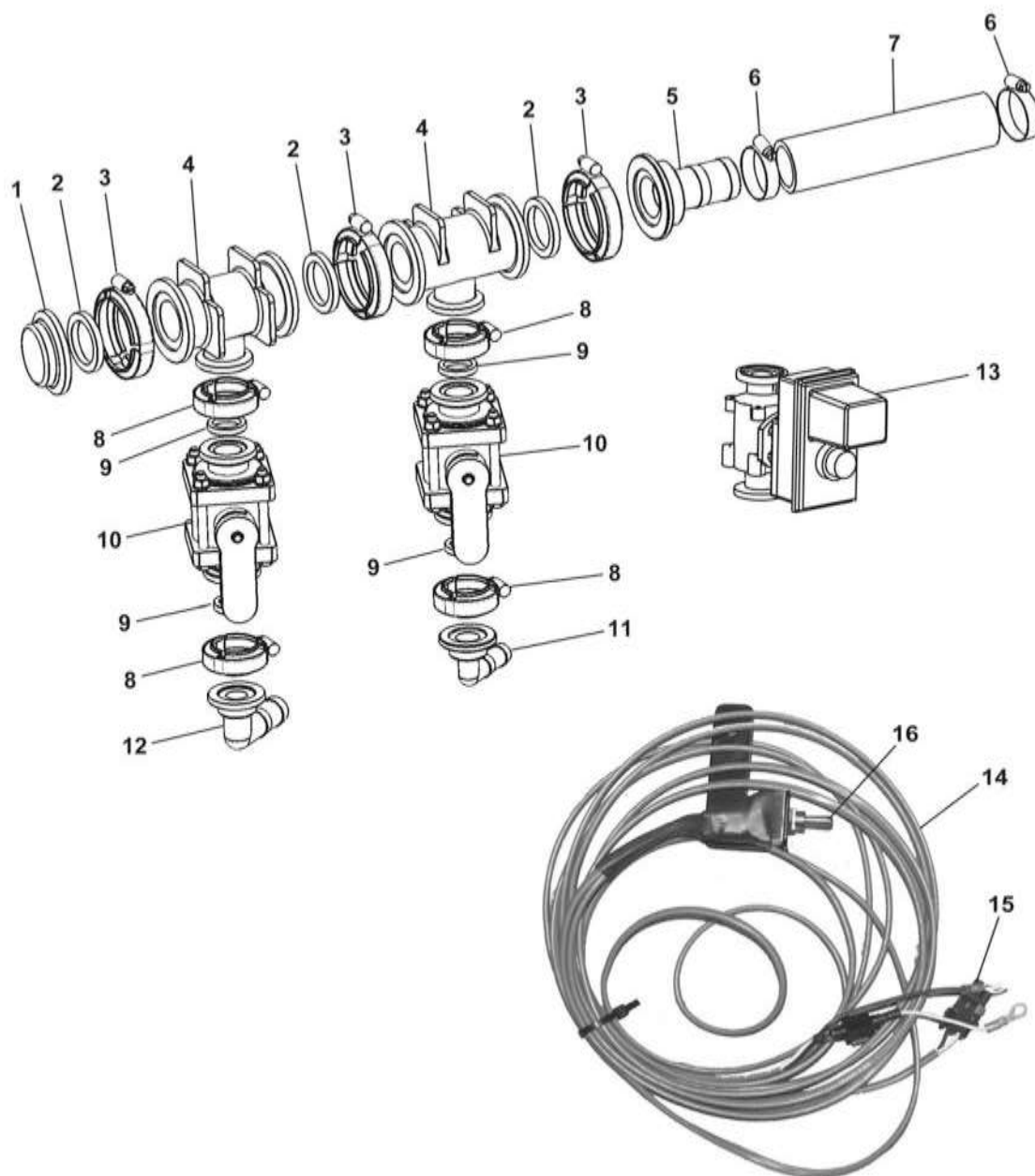
Raven Flow Controls



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 CONNECTOR
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

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

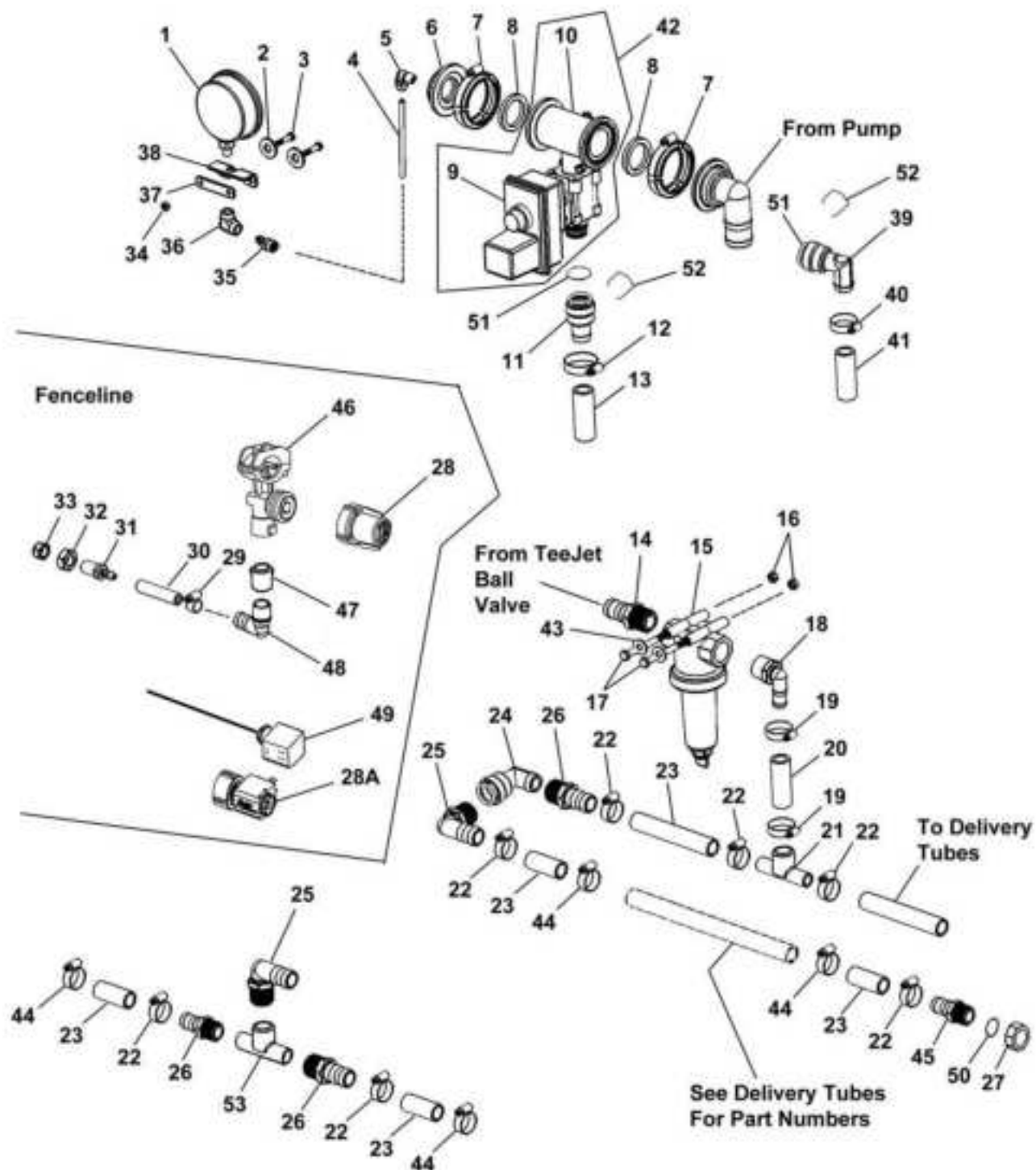
Agitation Shut-Off, Electric Option



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

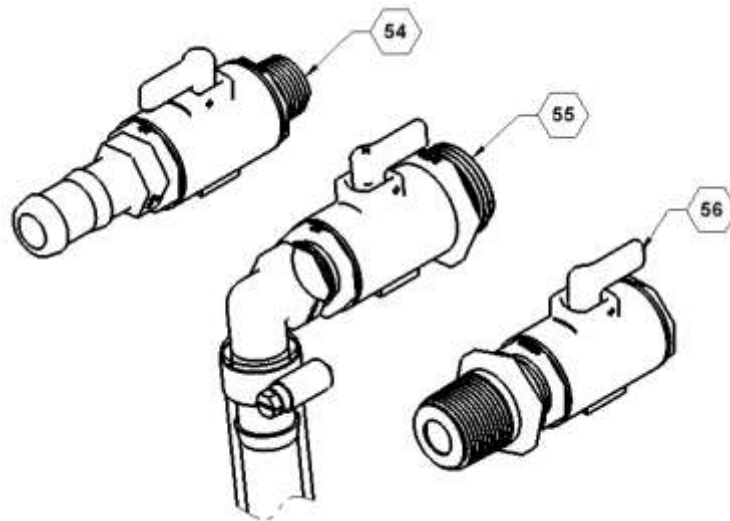
Boom Plumbing



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

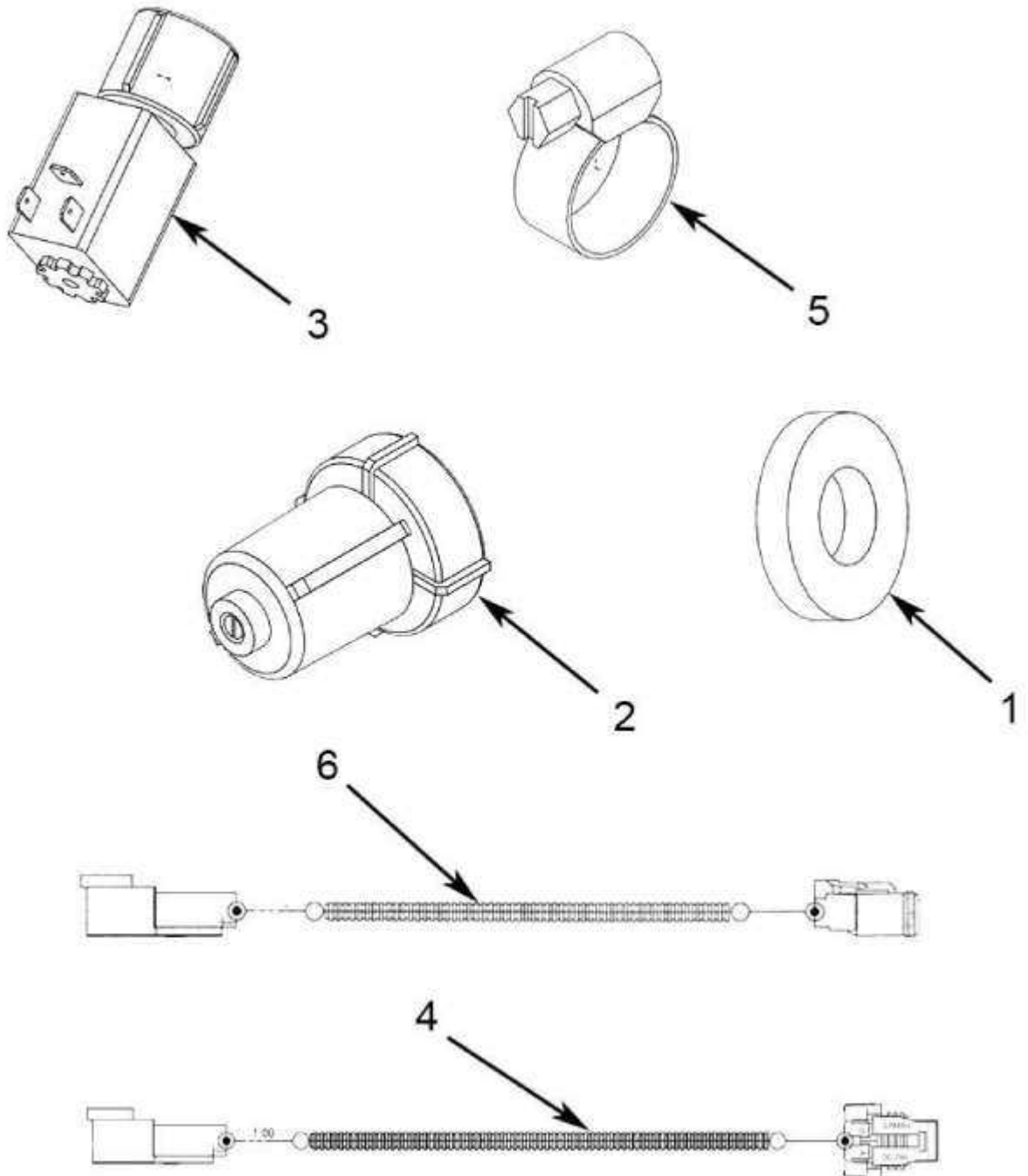
Boom Plumbing (continued)



Parts List: Boom Plumbing (continued)

ITEM	PART NO.	QTY.	DESCRIPTION
50	530227	AR	CAPGASKET
51	530198	AR	O-RING
52	530193	AR	RETAINING CLIP
53	530147	AR	TEE 1" NPT
54	90SASC1	AR	ASSEMBLY, STRAINER DRAIN 1"
55	90SASC2	AR	ASSEMBLY, STRAINER DRAIN 2"
56	90SASC3	AR	ASSEMBLY, STRAINER DRAIN 3"

Fence Line Option

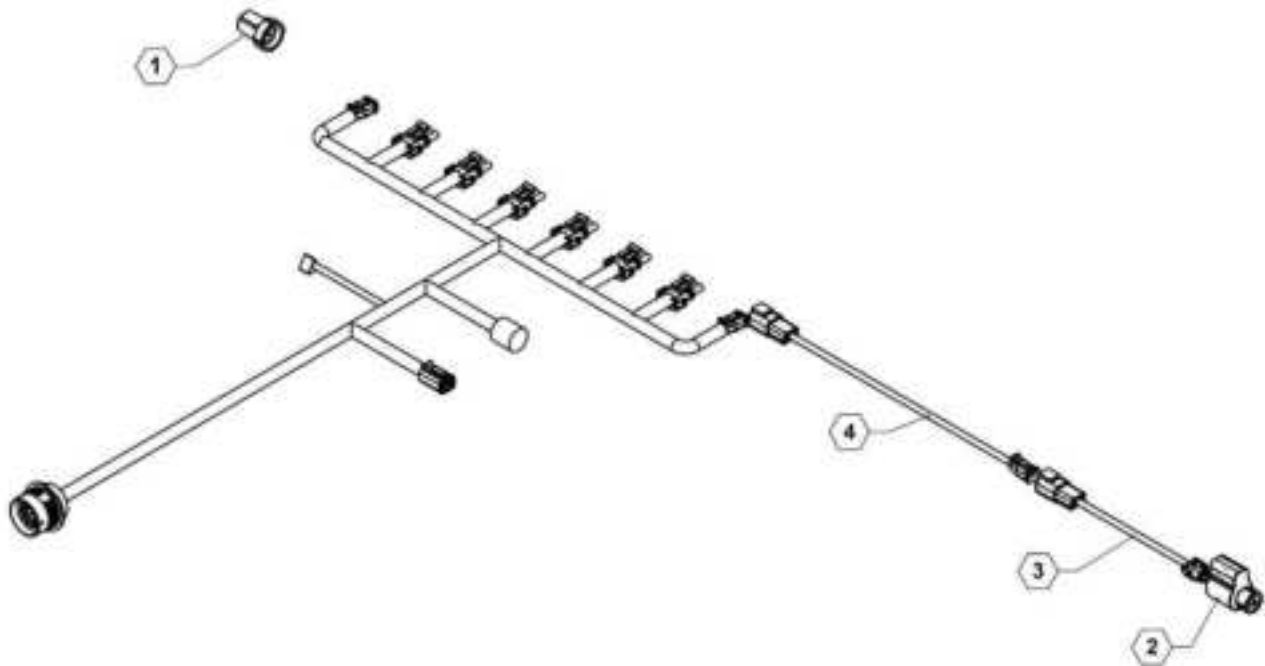


Fence Line Option Parts List

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

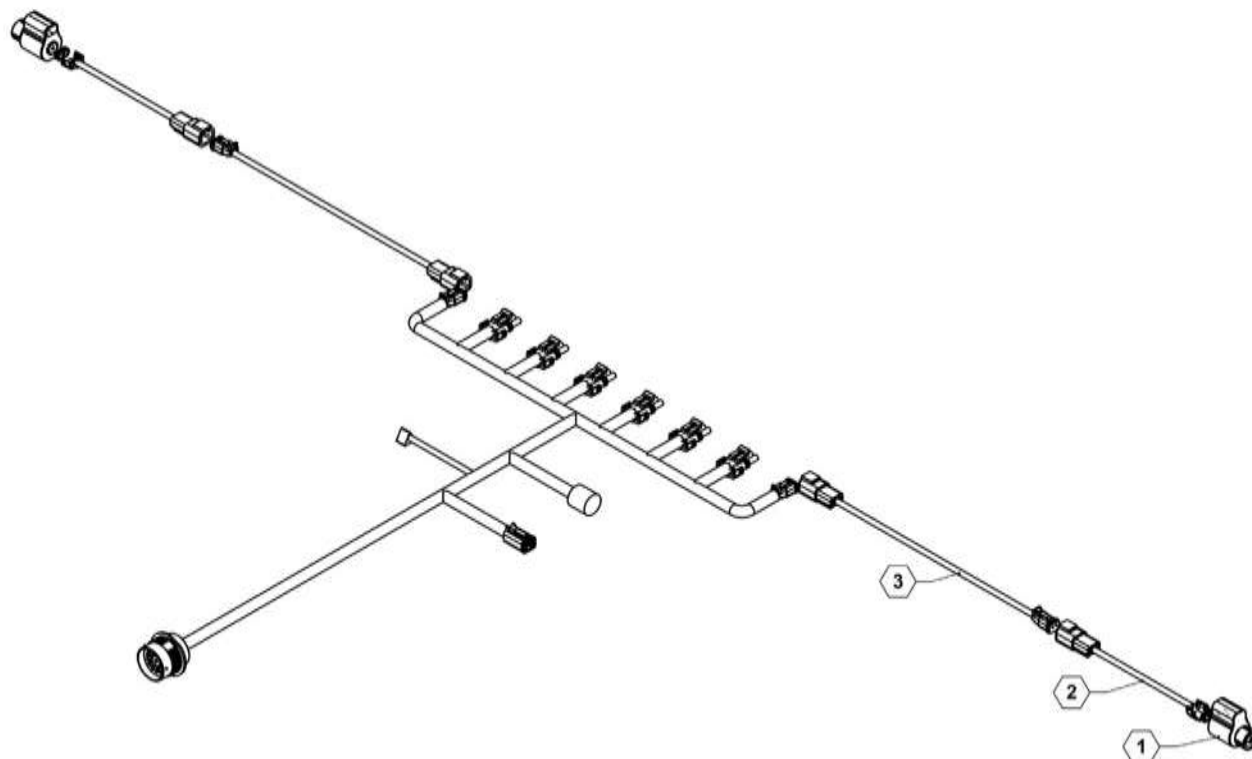


Single Fence Line, Display Control Parts List 27360

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



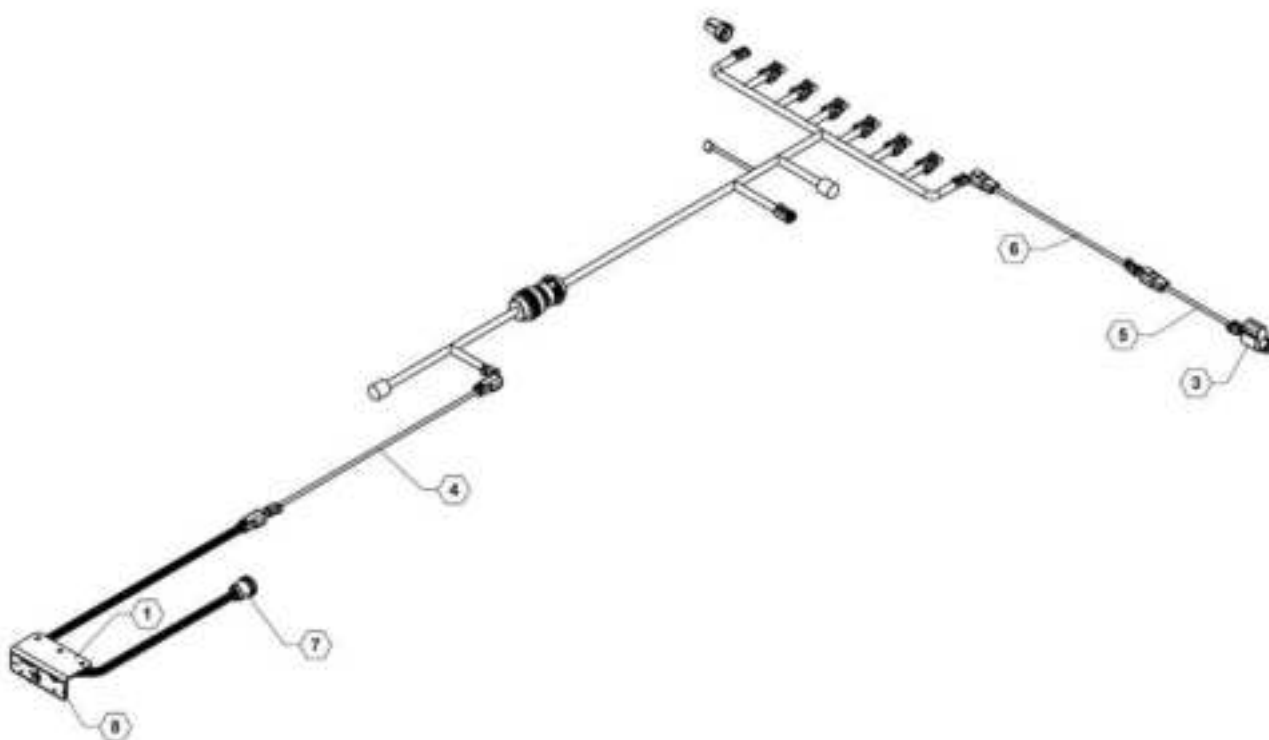
Dual Fence Line, Display Control Parts List 27361

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 27362

ITEM	PART NO.	QTY.	DESCRIPTION
1	18437	1	PLATE, MOUNT
2	520037	1	VALVE, MANUAL CHEM SAVER
3	520038	1	VALVE, ELECTRIC CHEM SAVER
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:

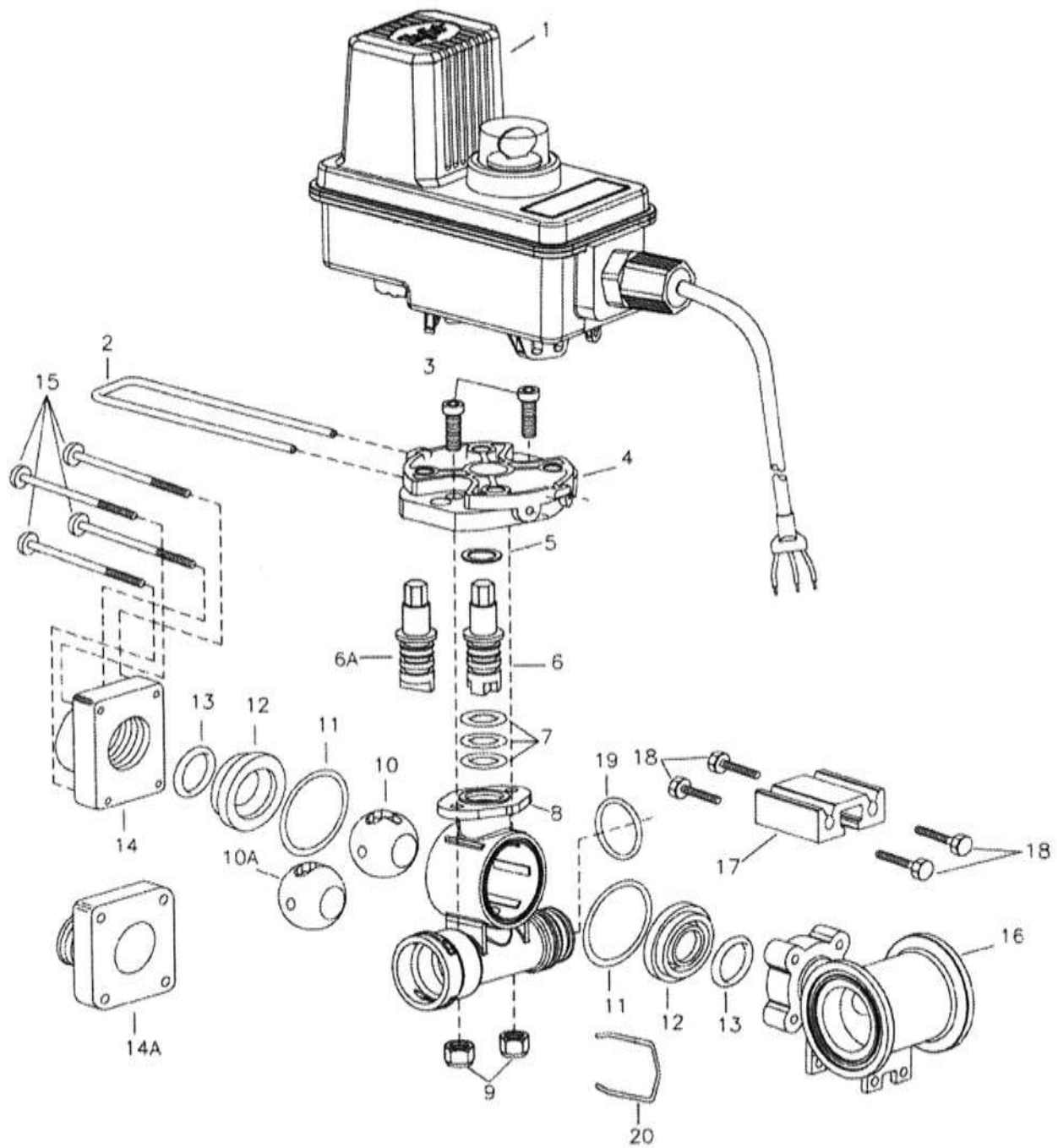
1. FOR USE WITH RAVEN 450, JD GREENSTAR & OTHER 16 & 37 PIN CABLING CONTROLLERS



Dual Fence Line, Toggle Switch Control Parts List 27363

ITEM	P ART NO.	QTY.	DES CRIP TION
1	18437	1	PLATE, MOUNT
2	520038	2	VALVE ELECTRIC CHEM-SAVER
3	632042	1	2 PINDT 40' CABLE EXTENSION
4	632044	2	FENCE ROW ADAPTER CABLE, 6"
5	632054	2	FENCE ROW CABLE, 55'
6	632088	1	CABLE, DUAL ELETRIC FENCE LINE NOZZLES
7	800261	1	DECAL, FENCELINE & AGITATION

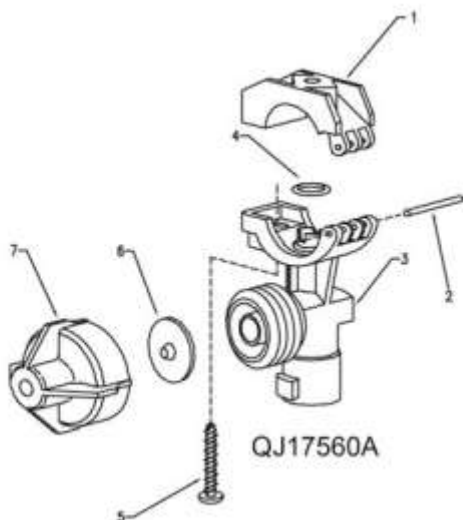
Plumbing Valves



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



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
5	CP7717-2/110-VI	O-Ring, Viton (Optional)
6	CP48255-1 1/4-302SS	Screw, Stainless Steel
7	CP21953-EPD	Diaphragm, EPDM
	CP21953-VI	Diaphragm, Viton (Optional)
	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 1900 - Wheaton, IL 60189-7900

Rev. No. _____
Rel. _____

Parts List No.
PL QJ17560A
SHEET OF _____

ITEM	PART NO.	DESCRIPTION
1	CP58930-8-NYB	Plug, Nylon (Black)
2	CP7717-2-13-EPB	O-Ring, EPDM
3	CP7717-2-13-VI	O-Ring, Viton (Optional)
4	CP58931-NYB	End Cap, Nylon (Black)
5	CP7717-M26x3-EPB	O-Ring, EPDM-Teflon Filled (2 Req'd.)
6	CP7717-M26x3-VI	O-Ring, Viton-Teflon Filled (2 Req'd.) (Optional)
7	CP58726-VI	Seat, Viton-Teflon Filled
8	CP7717-2-111-VI	O-Ring, Viton
9A	CP58921-2-NYB	Turret, Nylon (Black) (3 Outlet)
9B	CP58922-2-NYB	Turret, Nylon (Black) (4 Outlet)
9C	CP58923-2-NYB	Turret, Nylon (Black) (5 Outlet)
10	CP21953-EPD	Diaphragm, EPDM
11	CP21953-VI	Diaphragm, Viton (Optional)
12	21950-10-NYB	End Cap Sub-assembly, Nylon (Black)
13	CP58935-2-NYB	3/4" & 25mm Body, Nylon (Black)
14	CP7717-2-110-BU	O-Ring, Buna-N
15	CP7717-2-110-VI	O-Ring, Viton (Optional)
16	CP48255-1 1/4-302SS	Screw, Stainless Steel
17		
18		
19	CP48224-NYB	25mm Upper Clamp, Nylon (Black)
20	CP48256-SS	Pivot Pin, Stainless Steel
No. QJ36, C-2500-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 When O-Ring Option		

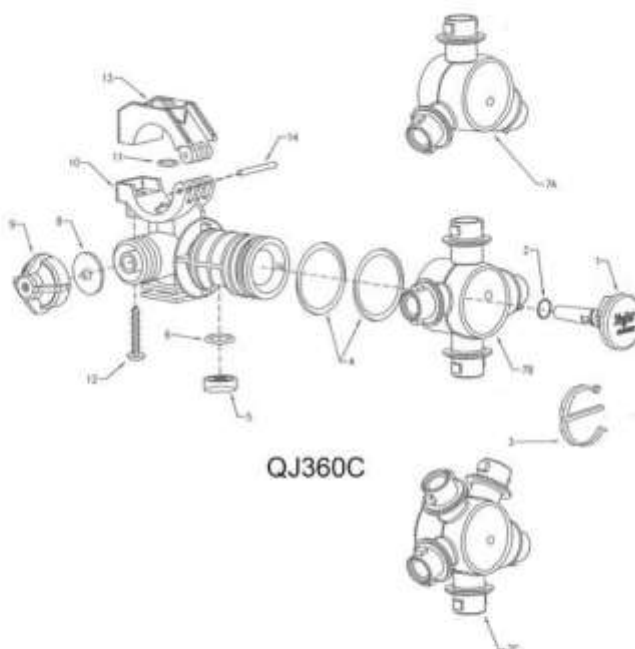
DESCRIPTION:
QJ360C WET BOOM
DIAPHRAGM CHECK VALVE
QUICK TEEJET® HINGED
NOZZLE BODY ASSEMBLY



Spraying Systems Co.
Spray Nozzles and Accessories
P.O. Box 1900 - Wheaton, IL 60189-7900

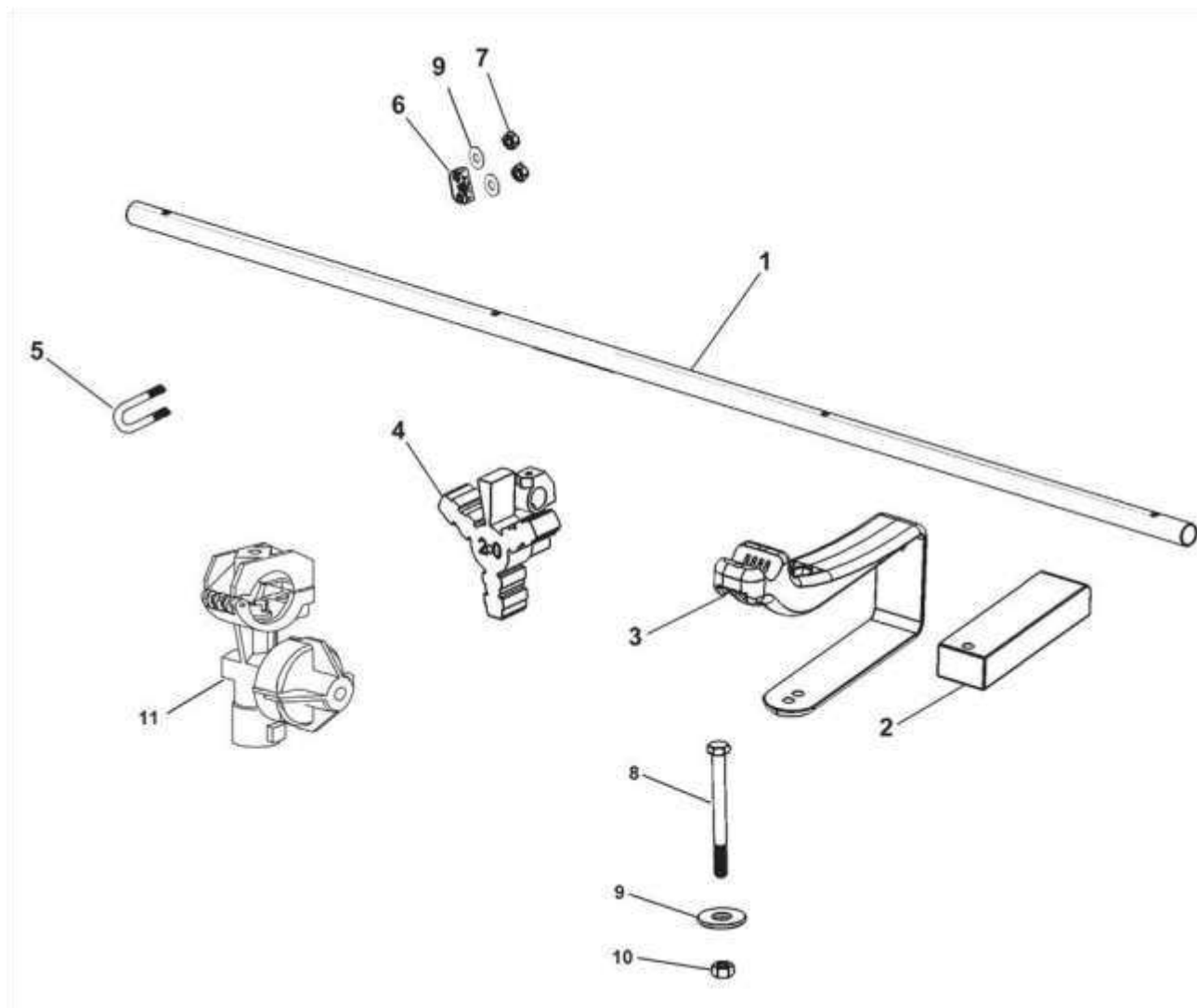
Rev. No. 1
Rel. _____

Parts List
PL QJ360C-WB
SHEET OF _____





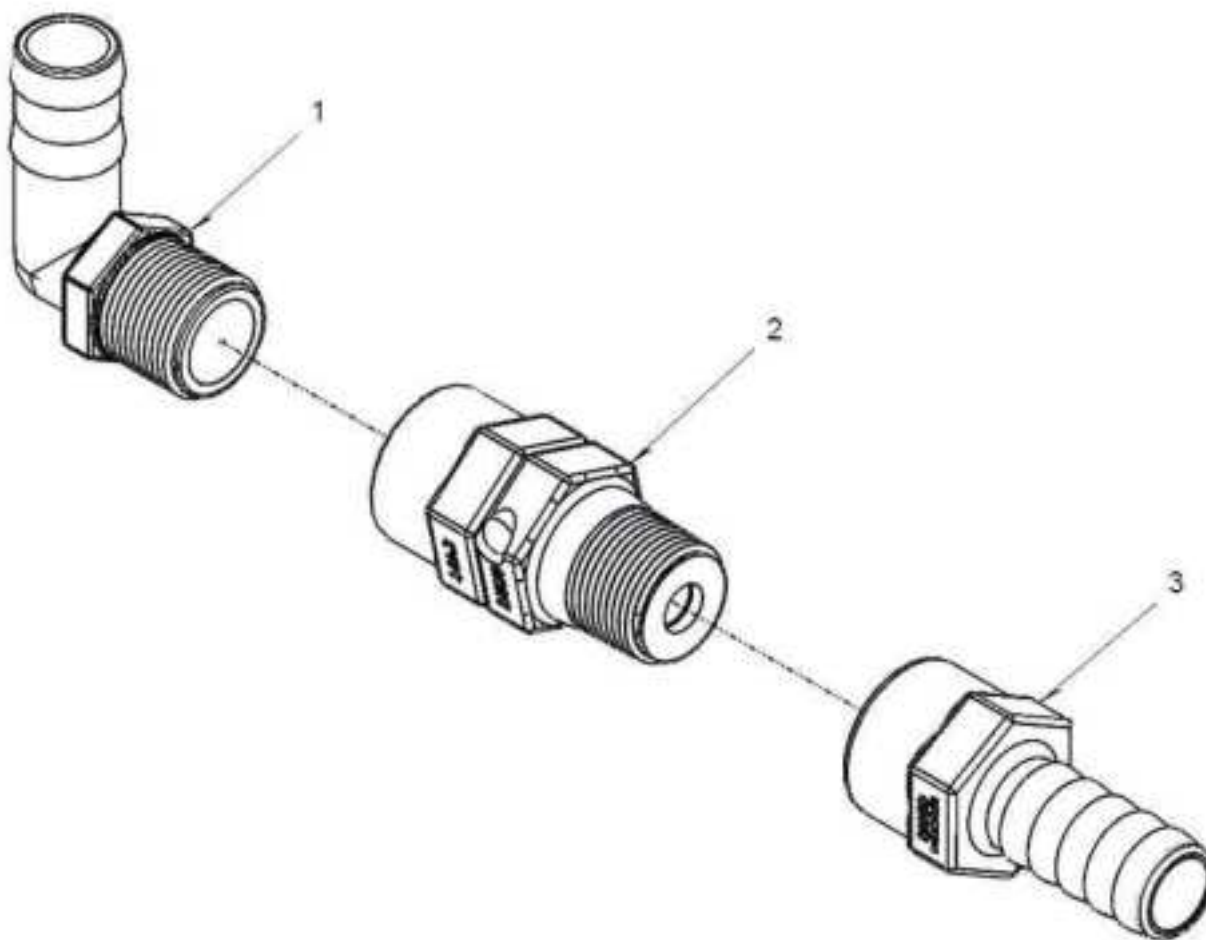
Delivery Tubes



Delivery Tubes Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	14301	A R	TUBE, 6 P ORT 15 INCH S PACING + FENCELINE V ALVE
1	14302	A R	TUBE, 2 P ORT 15 INCH S PACING
1	14303	A R	TUBE, 3 P ORT 15 INCH S PACING
1	14304	A R	TUBE, 4 P ORT 15 INCH S PACING
1	14305	A R	TUBE, 5 P ORT 15 INCH S PACING
1	14306	A R	TUBE, 6 P ORT 15 INCH S PACING
1	14307	A R	TUBE, 7 P ORT 15 INCH S PACING
1	14308	A R	TUBE, 8 P ORT 15 INCH S PACING
1	14309	A R	TUBE, 9 P ORT 15 INCH S PACING
1	14310	A R	TUBE, 10 P ORT 15 INCH S PACING
1	14311	A R	TUBE, 7 P ORT 20 INCH S PACING + FENCELINE V ALVE
1	14312	A R	TUBE, 2 P ORT 20 INCH S PACING
1	14313	A R	TUBE, 3 P ORT 20 INCH S PACING
1	14314	A R	TUBE, 4 P ORT 20 INCH S PACING
1	14315	A R	TUBE, 5 P ORT 20 INCH S PACING
1	14316	A R	TUBE, 6 P ORT 20 INCH S PACING
1	14317	A R	TUBE, 7 P ORT 20 INCH S PACING
1	14318	A R	TUBE, 8 P ORT 20 INCH S PACING
1	14319	A R	TUBE, 9 P ORT 20 INCH S PACING
1	14320	A R	TUBE, 5 P ORT 20 INCH S PACING + FENCELINE V ALVE
1	14321	A R	TUBE, 6 P ORT 20 INCH S PACING + FENCELINE V ALVE
1	14322	A R	TUBE, 2 P ORT 22 INCH S PACING
1	14323	A R	TUBE, 3 P ORT 22 INCH S PACING
1	14324	A R	TUBE, 4 P ORT 22 INCH S PACING
1	14325	A R	TUBE, 5 P ORT 22 INCH S PACING
1	14326	A R	TUBE, 6 P ORT 22 INCH S PACING
1	14327	A R	TUBE, 7 P ORT 22 INCH S PACING
1	14329	A R	TUBE, 6 P ORT 22 INCH S PACING + FENCELINE V ALVE
1	14330	A R	TUBE, 5 P ORT 22 INCH S PACING + FENCELINE V ALVE
1	14331	A R	TUBE, 6 P ORT 15 INCH S PACING + FENCELINE V ALVE
1	14332	A R	TUBE A SSEM BLY, 2 P ORT 15 INCH S PACING, INC NOZZLES
1	14333	A R	TUBE A SSEM BLY, 3 P ORT 15 INCH S PACING, INC NOZZLES
1	14334	A R	TUBE A SSEM BLY, 4 P ORT 15 INCH S PACING, INC NOZZLES
1	14335	A R	TUBE A SSEM BLY, 5 P ORT 15 INCH S PACING, INC NOZZLES
1	14336	A R	TUBE A SSEM BLY, 6 P ORT 15 INCH S PACING, INC NOZZLES
1	14337	A R	TUBE A SSEM BLY, 7 P ORT 15 INCH S PACING, INC NOZZLES
1	14338	A R	TUBE A SSEM BLY, 8 P ORT 15 INCH S PACING, INC NOZZLES
1	14339	A R	TUBE A SSEM BLY, 9 P ORT 15 INCH S PACING, INC NOZZLES
1	14340	A R	TUBE A SSEM BLY, 10 P ORT 15 INCH S PACING, INC NOZZLES
2	590054	A R	S PACER, W ET B OOM
3	540040	A R	CLAM P, W ET B OOM
4	520039	A R	NOZZLE B ODY TRIPLE W ET B OOM
5	590048	A R	U-B OLT S TAINLESS S TEEL
6	540029	A R	TUBE CLAM P B ASE
7	655	A R	NUT HH
8	590078	A R	B OLT HH 1/4 X 4-1/2 GR5 S TAINLESS S TEEL
9	685	A R	W ASHER 1/4" S TAINLESS S TEEL
10	655	A R	NUT 1/4" NYLOCK S TAINLESS S TEEL
11	520030	A R	NOZZLE B ODY S INGLE W ET B OOM

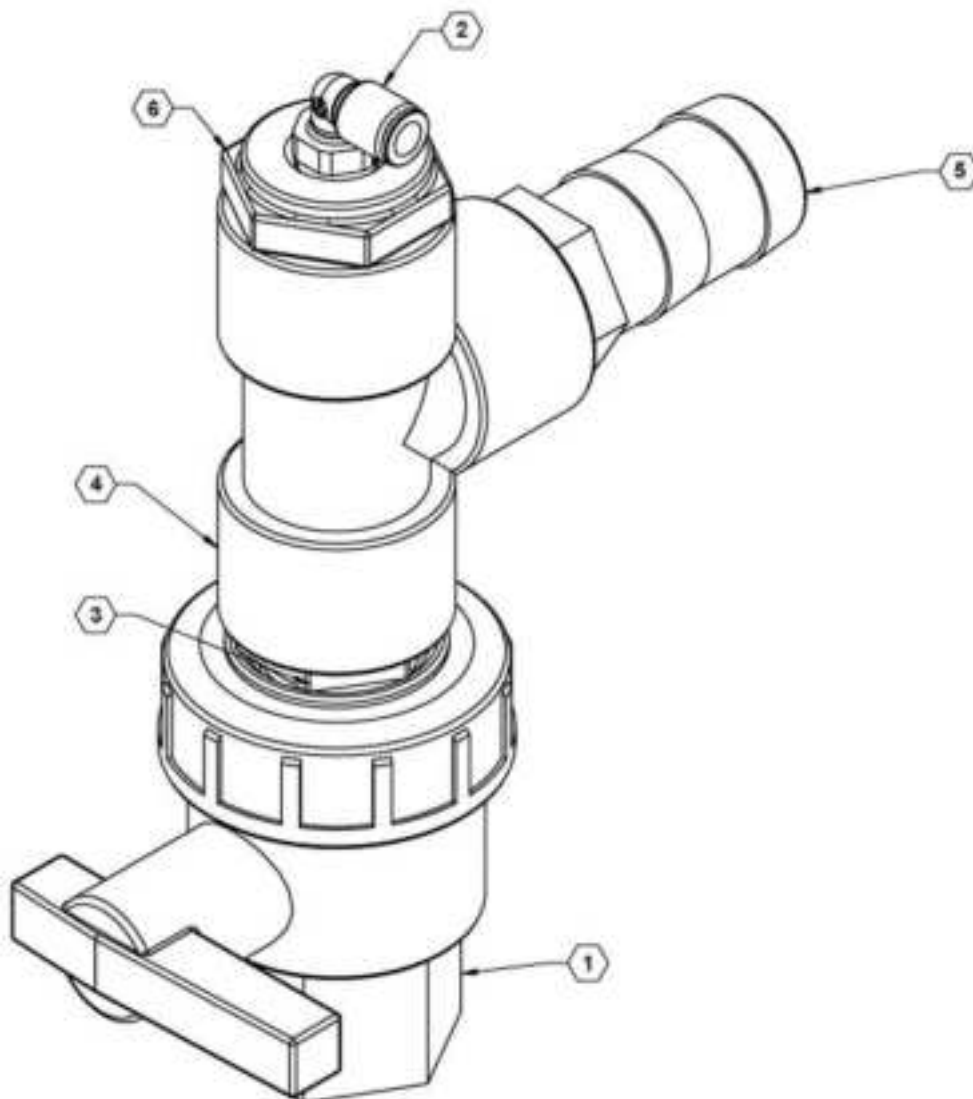
60 - 80' Side Fold Fitting



60 - 80' Side Fold Fitting Parts List 90SA6080SF

ITEM	PART NO.	QTY	DESCRIPTION
1	530044	1	1 " MPT X 1 " HOSE SHANK -9 0°
2	530326	1	1 ' MALE X 1 " FEMALE SWIVEL
3	530325	1	1 ' FEMALE THREAD X 1 " HOSESHANK

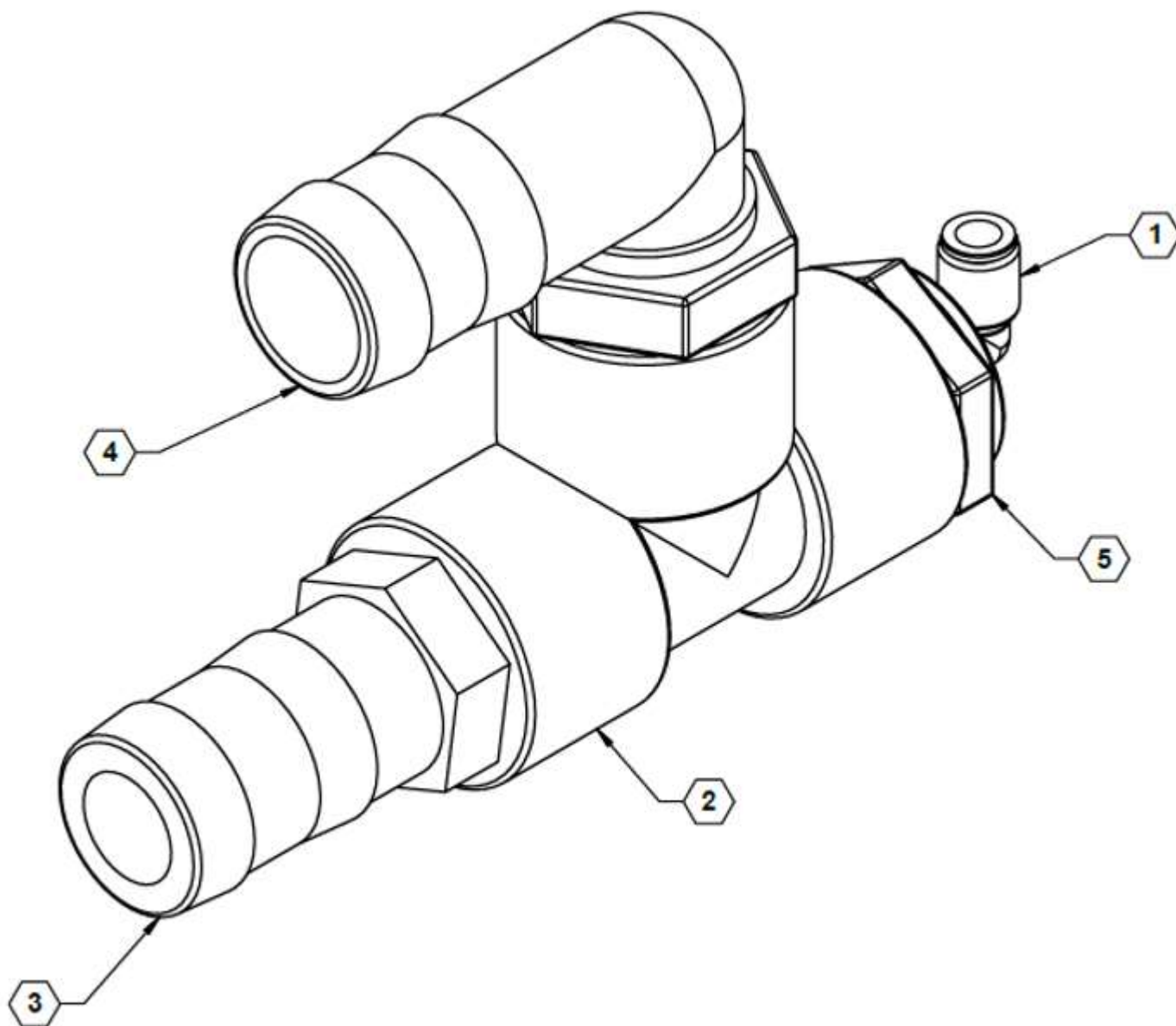
Optional Boom Cleanout with Pressure Gauge



Parts List 90SABCPG: Optional Boom Cleanout with Pressure Gauge

NO.	PART	QTY.	DESCRIPTION
1	500043	1	VALVE, 3/4" UNION
2	530004	1	FITTING, ELBOW, .250 QC X .250 MPT, 90D
3	530131	1	NIPPLE, POLY PIPE 3/4" SHORT
4	530156	1	TEE, 3/4" POLY PIPE
5	530203	1	FITTING, .750 MNPT X 1.00 HB, POLY
6	530544	1	FITTING, REDUCER, 3/4 MPT X 1/4" FPT

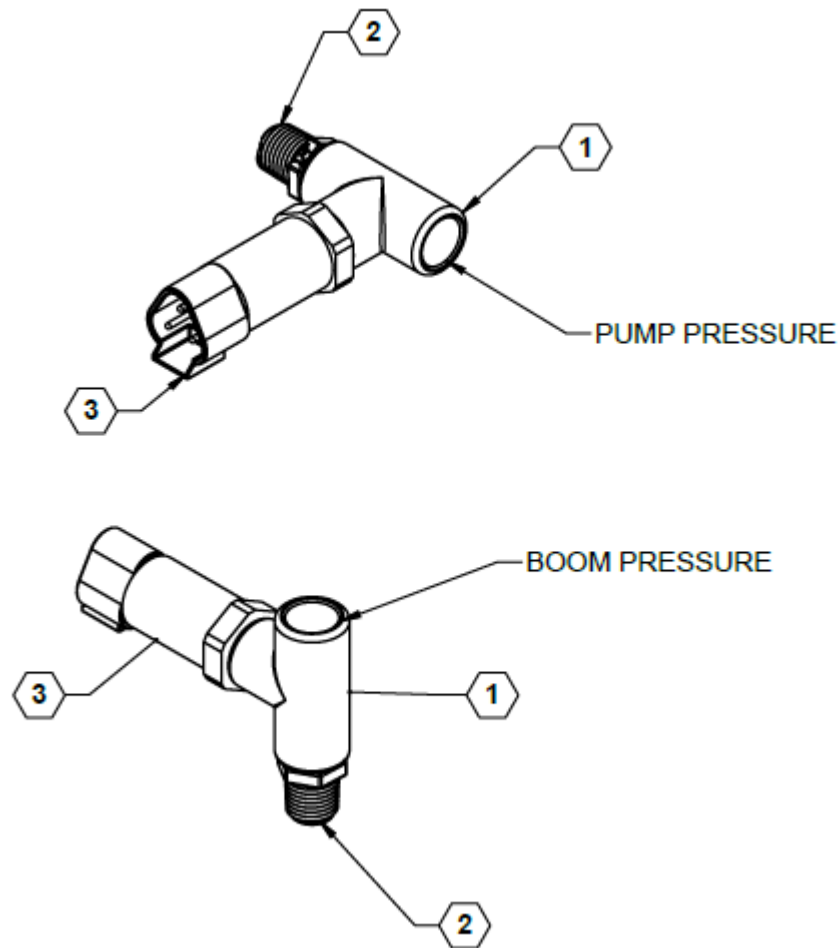
Optional Boom U-Fitting with Pressure Line



Parts List 90SAUPG: Optional Boom U-Fitting with Pressure Line

NO.	PART	QTY	DESCRIPTION
1	530004	1	FITTING, ELBOW, .250 QC X .250 MPT, 90D
2	530156	1	TEE, 3/4" POLY PIPE
3	530203	1	FITTING, .750 MNPT X 1.00 HB, POLY
4	530238	1	ELBOW, 3/4" NPT X 1" HB, POLY
5	530544	1	FITTING, REDUCER, 3/4 MPT X 1/4" FPT

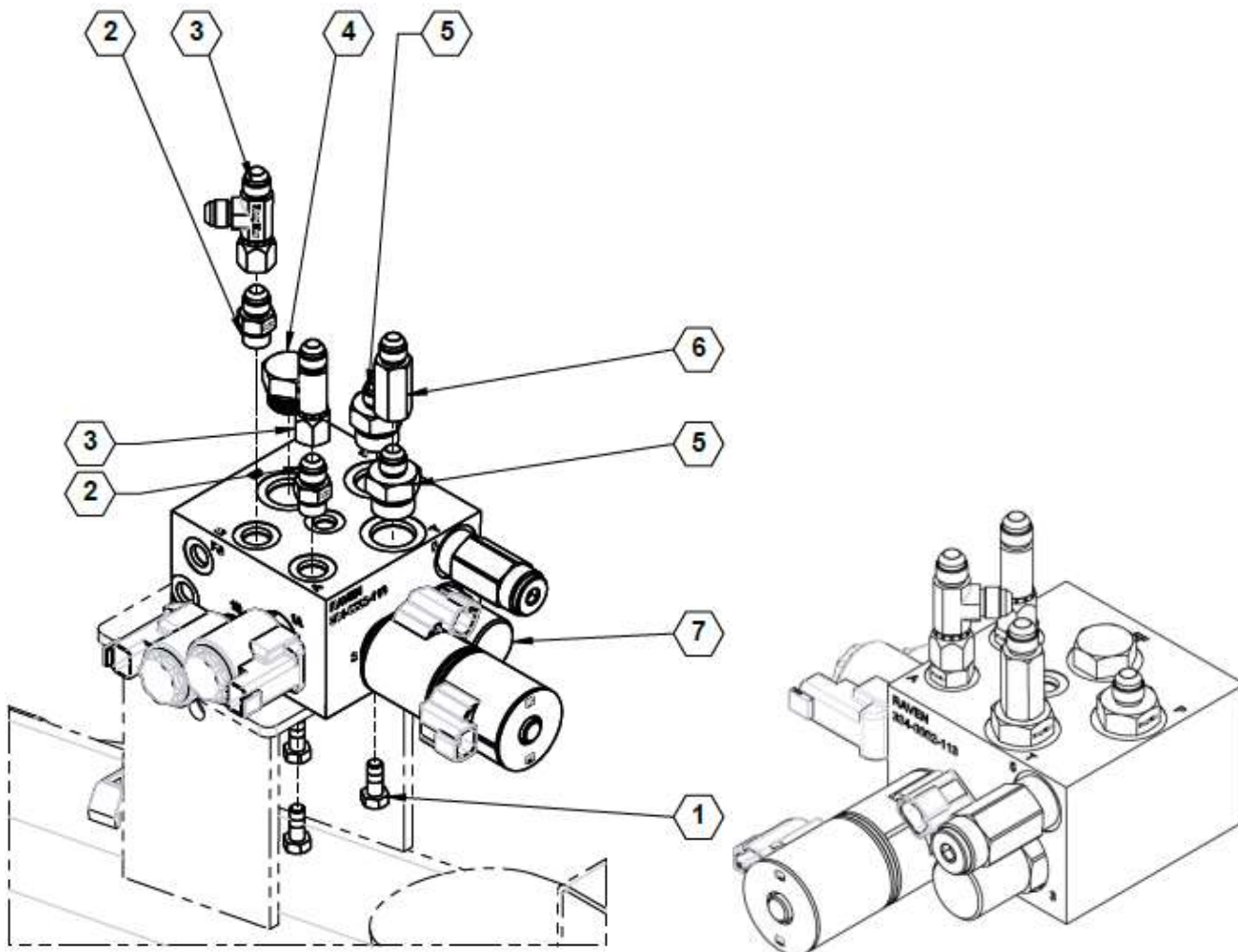
Option, Dual Pressure Transducers



Parts List 36280: Option, Dual Pressure Transducers

NO.	PART	QTY.	DESCRIPTION
1	530400	2	TEE 1/4" FPT, POLY
2	530401	2	NIPPLE, 1/4 MPT x 1/4 MPT, POLY
3	632036	2	TRANSDUCER, PRESSURE

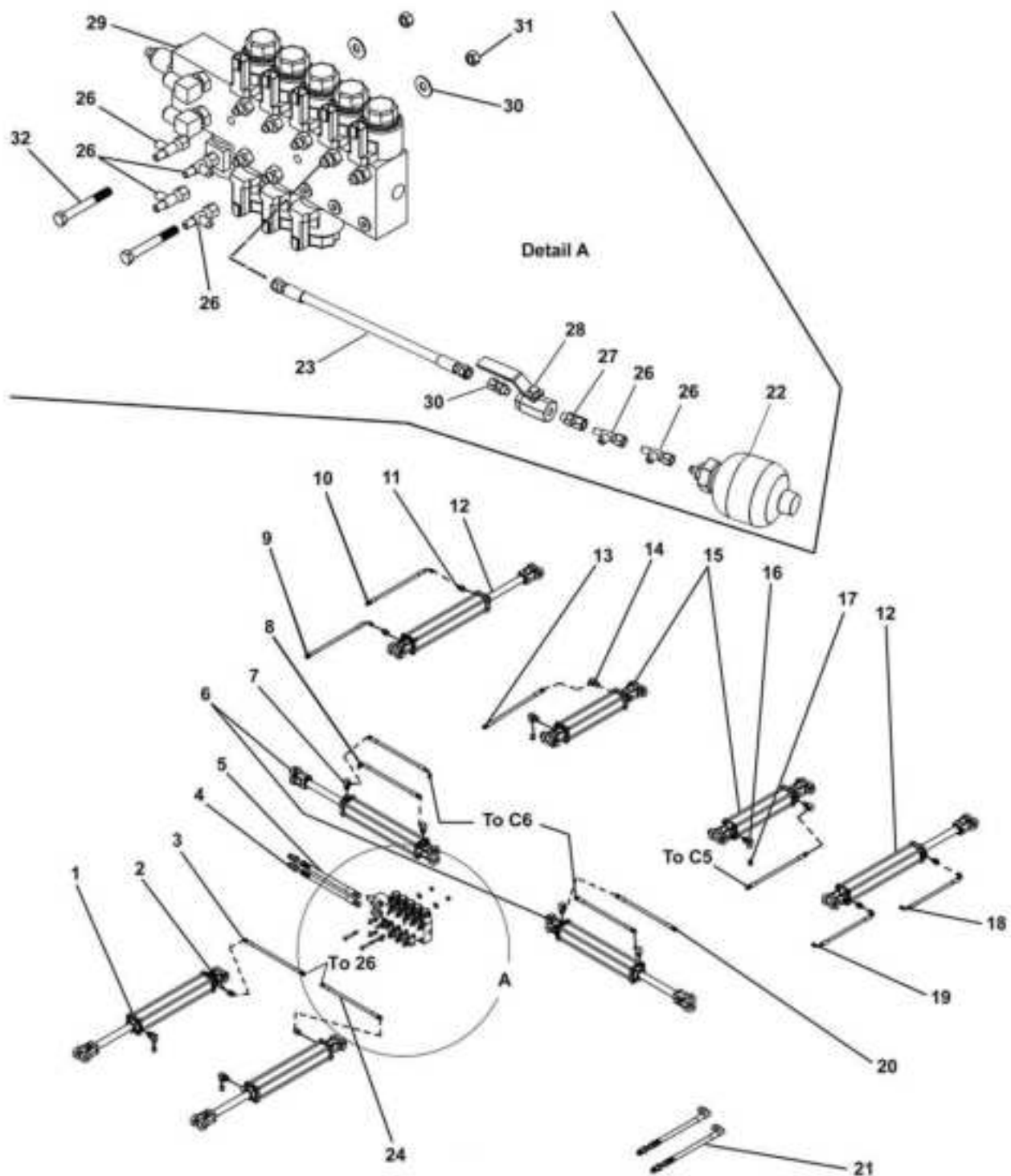
Steerable Hitch Hydraulic Block



Parts List 36685: Steerable Hitch Hydraulic Block

ITEM	PART NO.	QTY.	DESCRIPTION
1	596114M	4	BOLT, HH 5/16-18X3/4 GR5 MAGNI
2	610010	2	ADAPTER, -6MJIC X -6MORB
3	610027	2	JIC #6 RUN TEE
4	610056	1	PLUG, -10 MORB HEX
5	610192	2	FITTING, 06MJ-10MORB STRAIGHT
6	610193	1	CHECK VALVE, 06FJ-06MJ STRAIGHT
7	632021	1	VALVE BLOCK, RAVEN STEERING

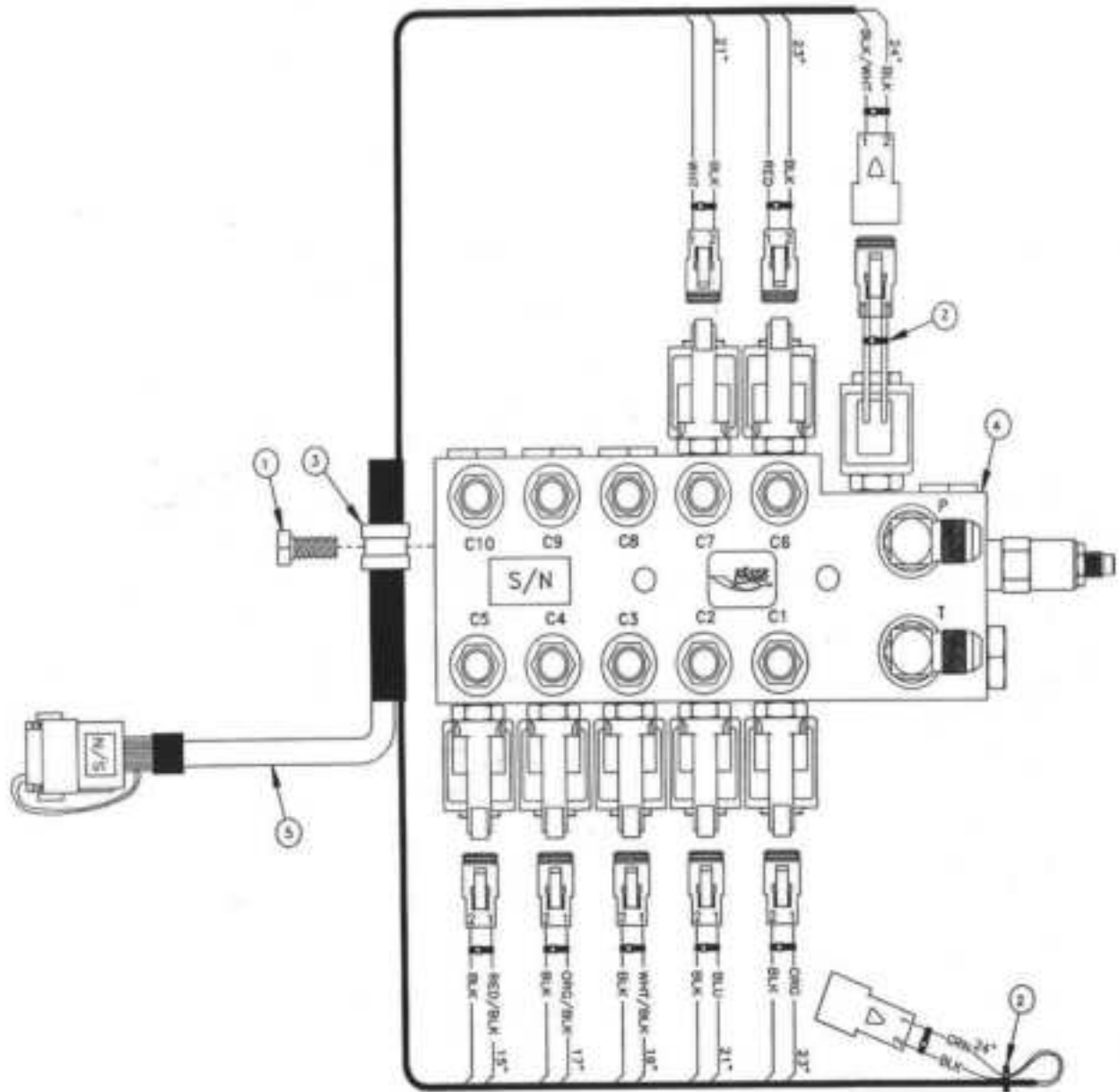
Hydraulic System



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			
	645752		648422 25TD-08-112 SA PULL			
	645752		648402 25TD10-112 SA PULL			
	639559		645710 30TD16-150 DA			

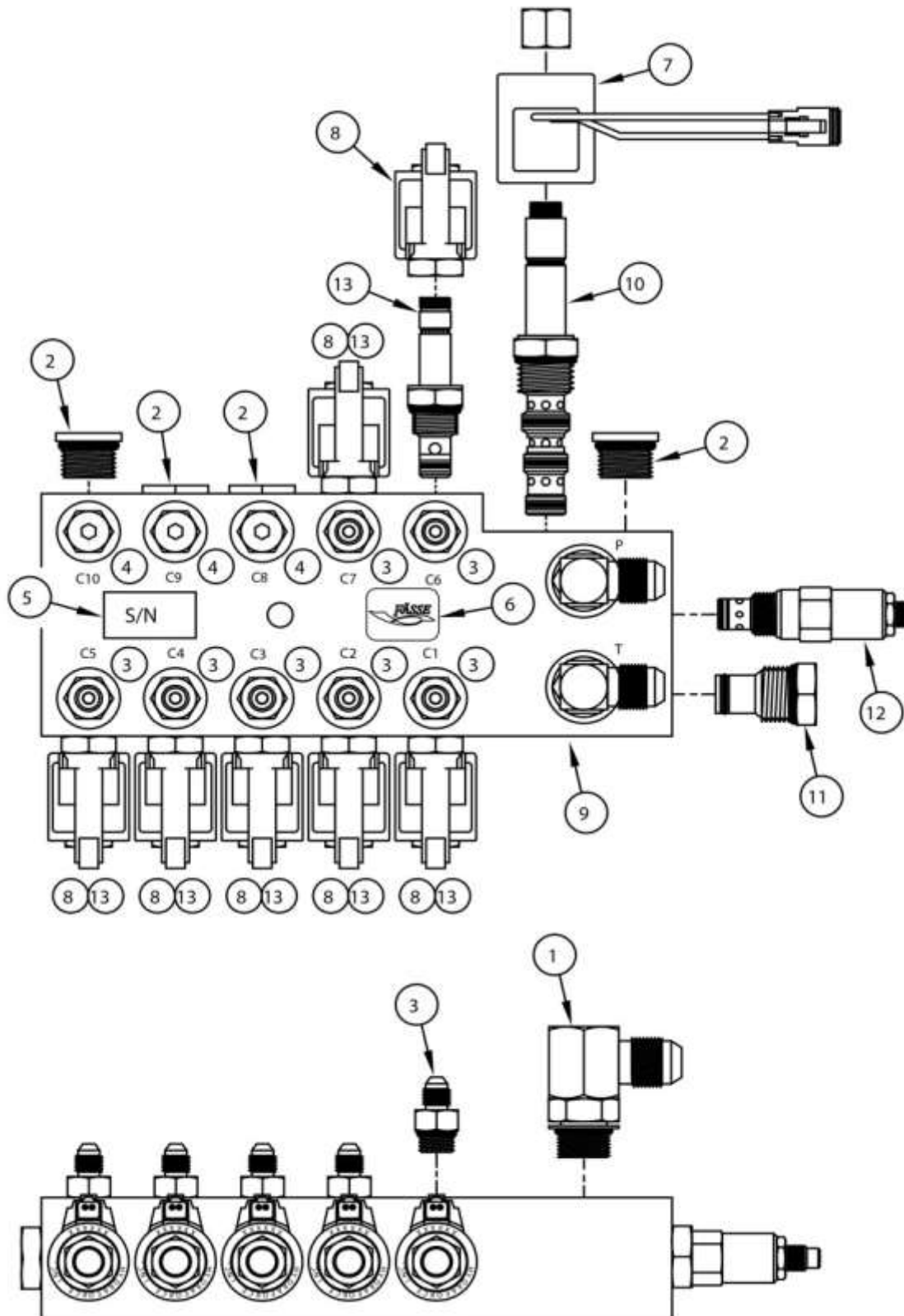
Hydraulic Control Valve Harness - 60 - 66 Foot Boom



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

ITEM	VENTOR 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 C LAMP, .5" ID METAL/RUBBER
4	302-374	1	MANIFOLD ASSEMBLY, 0805 2DA 3S A CLOSED INTG DTR 12V W P 6400-4 P T6801-8
5	319-668	1	HARNESS ASSEMBLY, 12 CON 18GAD TR KEY A 12P (12)-2D TR2P (2) 33'

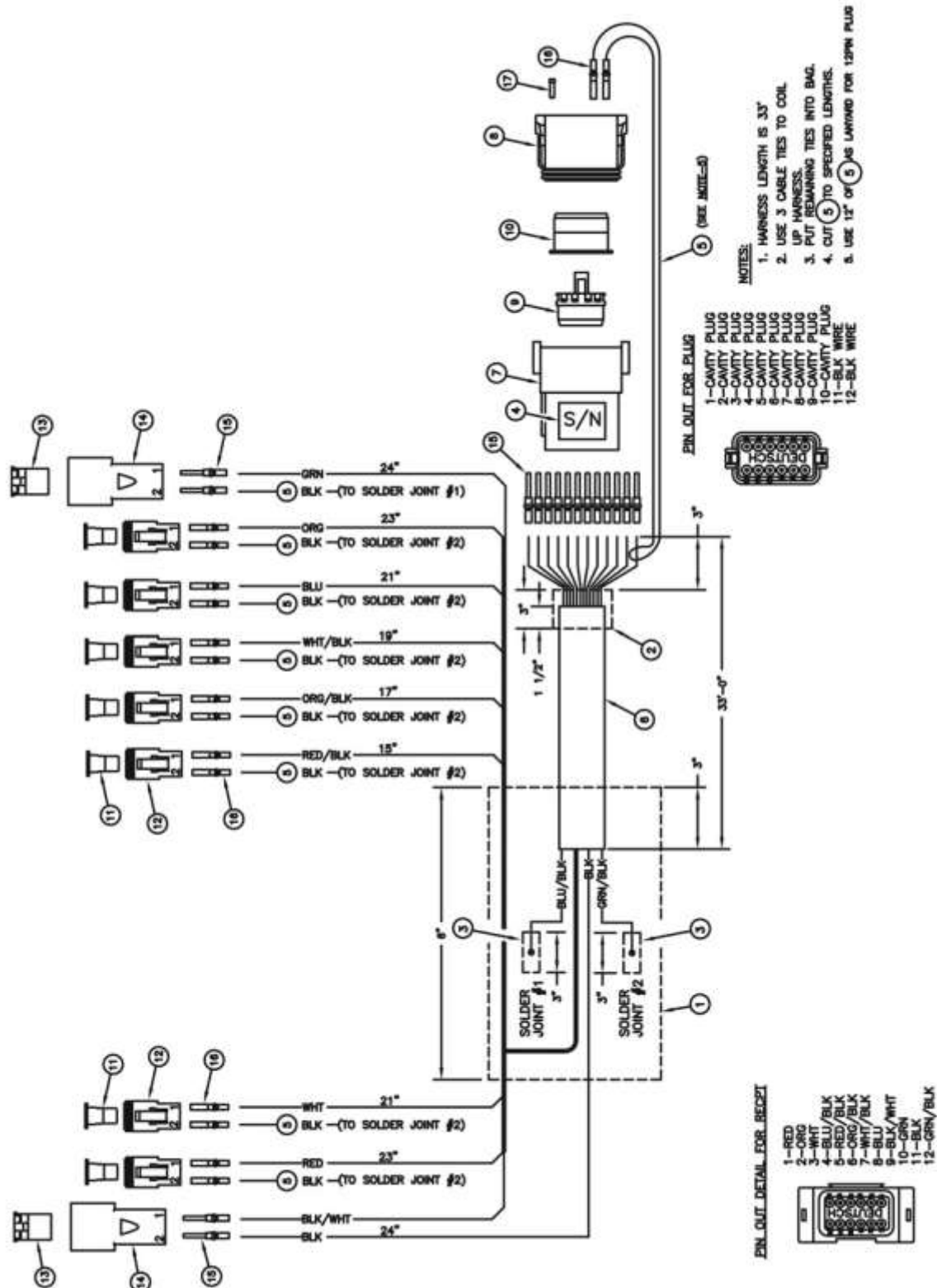
Hydraulic Control Valve - 60 - 66 Foot Boom



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

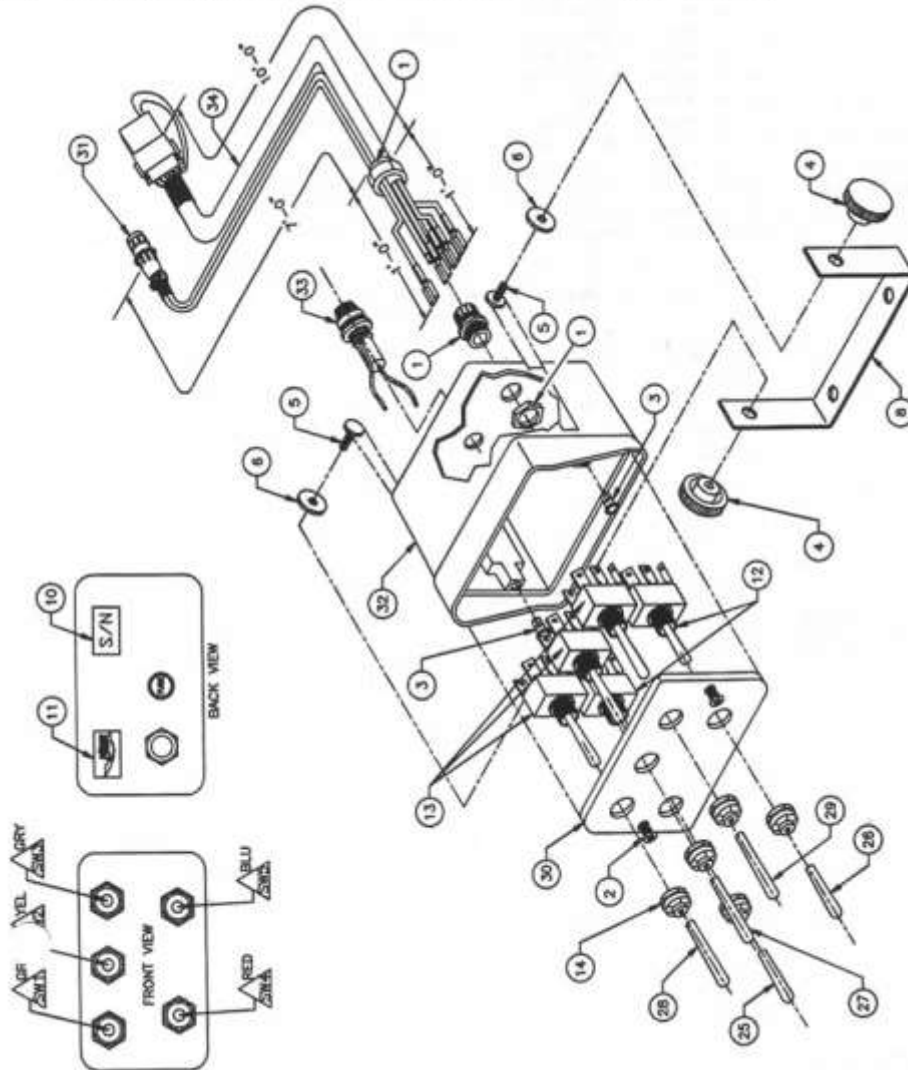


Hydraulic Control Valve Harness - 60 - 66 Foot Boom Parts List

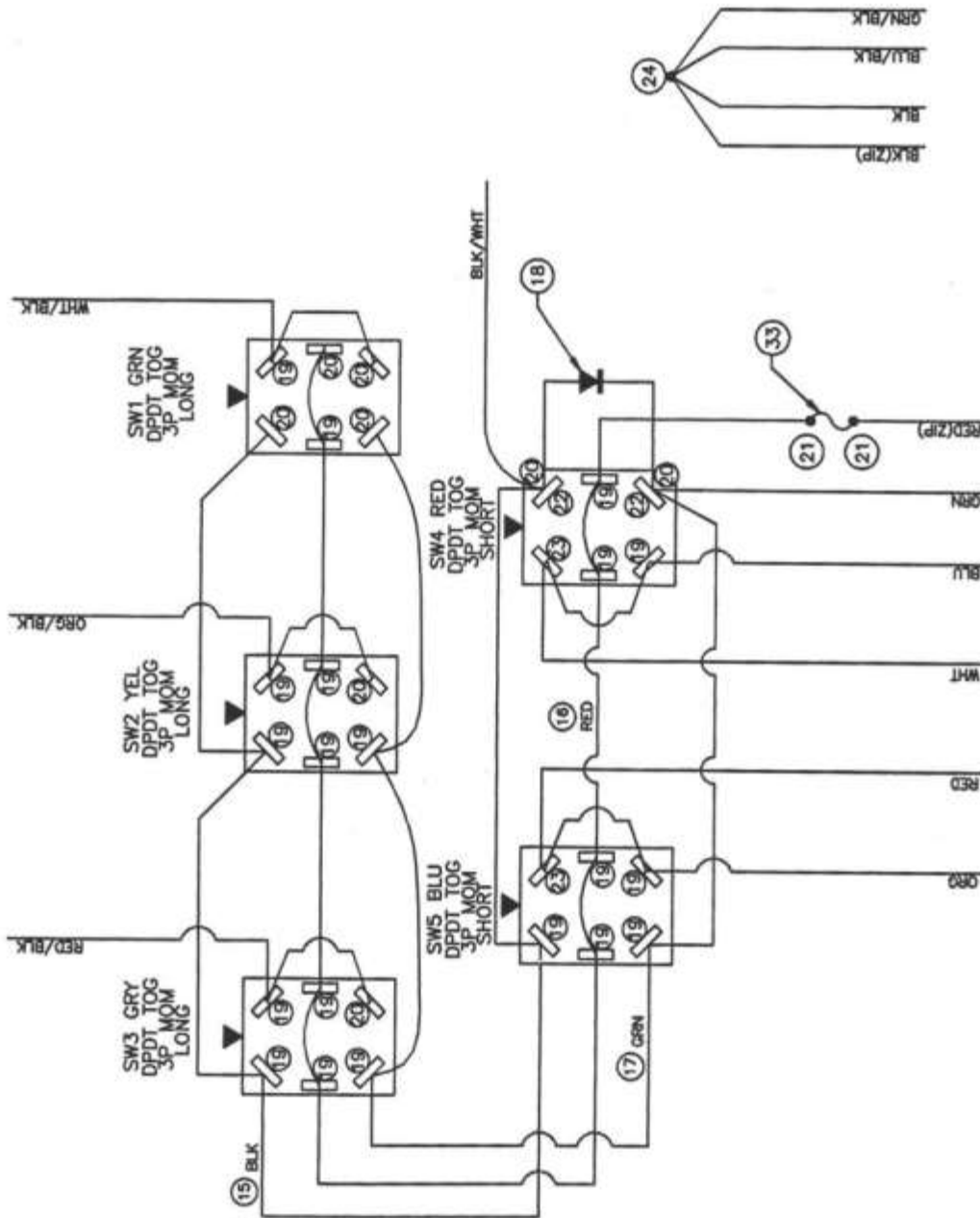
ITEM	VENDOR PART NO.	QTY.	DESCRIPTION
1	231-008	6"	SHRINK TUBING .750
2	231-009	3"	SHRINK TUBING .5
3	231-250	6"	SHRINK TUBING .250 BLACK
4	232-050	2	DECAL S/N (SILVER)
5	252-058	159"	WIRE 18GA BLACK
6	252-064	35'	CABLE 12CON GRAY 18GA
7	255-212	1	CONNECTOR DEUTSCH 12 PIN RECEPTICLE DT
8	255-213	1	CONNECTOR 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			PART DESCRIPTION
NA	PART NUMBER	QTY	
1	210-710	1	STR RLF HEYCO .23"-.3370. HOLE DIA. .2665"
2	212-184	2	SCREW 6-32 X 3/8 CHAL HD BLK
3	212-202	2	INSERT 8-32X3/8 BRASS
4	212-215	2	KNURL 1/4-20 FEMALE
5	212-231	2	SCREW WELDED 1/4-20 X .500
6	212-335	2	WASHER NYLON .2574.675X.060
7	214-002	3	CABLE TIE BLACK 7"
8	219-300	1	BKCT HSGD MONITOR
9	230-027	1	BAG POLY CLR 14 X 18 TML W/LOGO
10	232-050	2	DECL S/N (DELIVER)
11	232-028	1	DECL DODD/BLK 1.5 X .5
12	250-007	2	SW TOG DROT 3P MOM SHORT
13	250-013	3	SW TOG DROT 3P MOM LONG
14	250-023	5	SW TOG DROT 3P MOM GRN
15	252-028	18"	WIRE 18GA BLK
16	252-059	24"	WIRE 18GA RED
17	252-060	18"	WIRE 18GA GRN
18	254-001	1	DICKE 011043 GAMP
19	255-002	20	TRM T-TAP F PO BLU
20	255-006	8	TRM PG F MOM NS 20/18GA
21	255-030	2	TRM SPLICE CLOSED END 16-18GA
22	255-070	2	TRM PG M/F 14-18GA
23	255-118	2	TRM PG F NS 16-14GA
24	255-285	1	TRM SPLICE CLOSED END LRG
25	259-002	1	SW TOG GRP VNTL RED .187
26	259-015	1	SW TOG GRP VNTL BLU .187
27	259-022	1	SW TOG GRP VNTL YEL .187
28	259-023	1	SW TOG GRP VNTL GRN .187
29	259-027	1	SW TOG GRP VNTL GRN .187
30	311-083	1	ENCL TP DR. MNTN/TO DECL-SX15/20 .35A
31	314-217	1	HARNES R/B WRE SERIES 3 P/B
32	319-725	1	ENCL DRILL MNTREX PH-7/8" STR RLF
33	319-769	1	FUSEHOLDER PM ASSY 10A /5"
34	320-184	1	HMM 120CM 18GA CDP KEY A 12P(12) 11" END CDP



SWITCH WIRING DIAGRAM

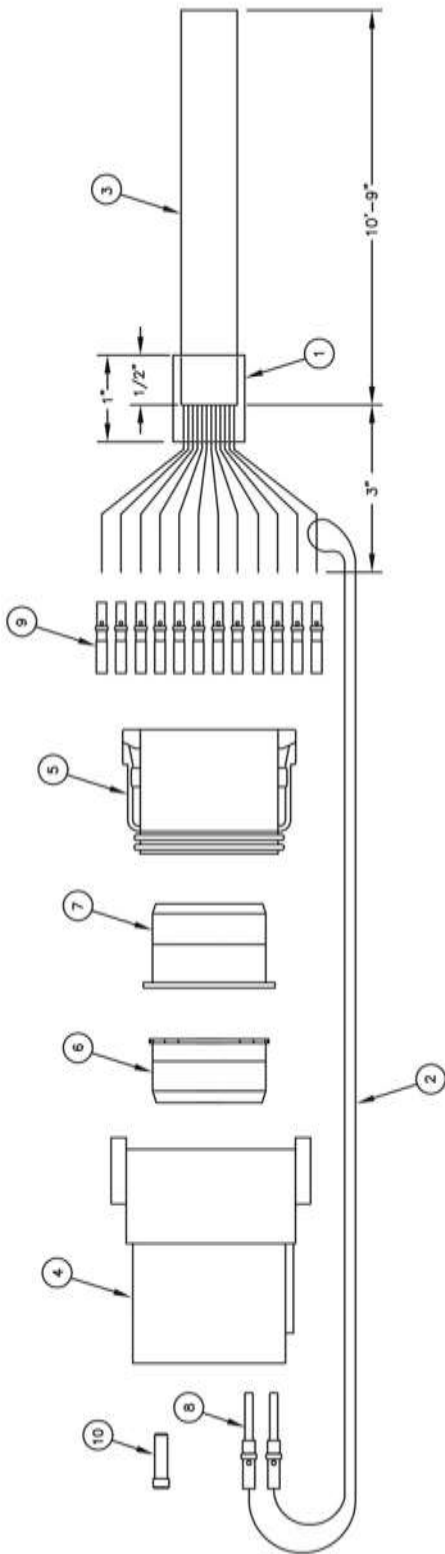


▲ = NOTCH LOCATION

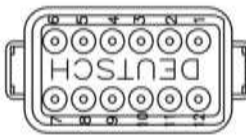
Wiring Harness - 60 - 66 Foot Boom

PARTS LIST

N#	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

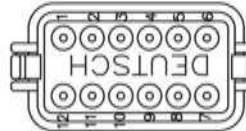


PIN OUT DETAIL FOR RECEIPT



- 1-Cavity Plug
- 2-Cavity Plug
- 3-Cavity Plug
- 4-Cavity Plug
- 5-Cavity Plug
- 6-Cavity Plug
- 7-Cavity Plug
- 8-Cavity Plug
- 9-Cavity Plug
- 10-Cavity Plug
- 11-Blk Wire
- 12-Blk Wire

PIN OUT DETAIL FOR PLUG

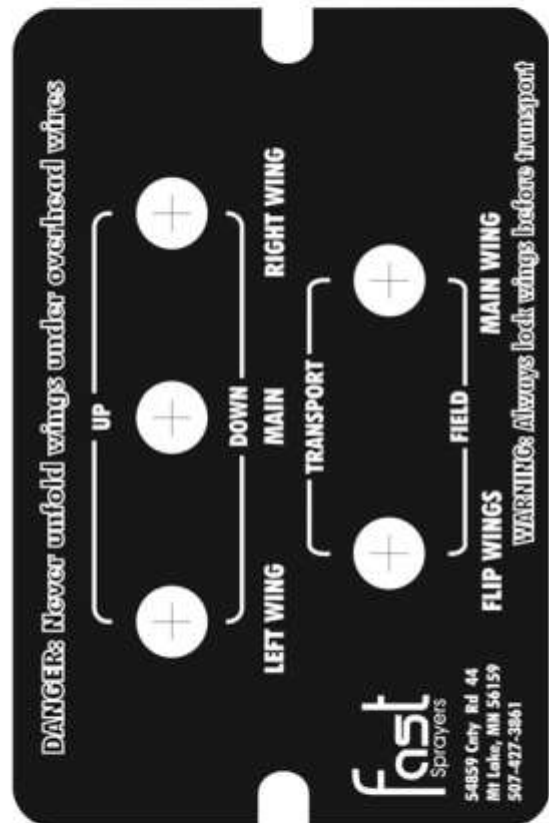


- 1-RED
- 2-ORG
- 3-WHT
- 4-BLU/BLK
- 5-RED/BLK
- 6-ORG/BLK
- 7-WHT/BLK
- 8-BLU
- 9-BLK/WHT
- 10-GRN
- 11-BLK
- 12-GRN/BLK

Control Console Decal - 60 - 66 Foot Boom

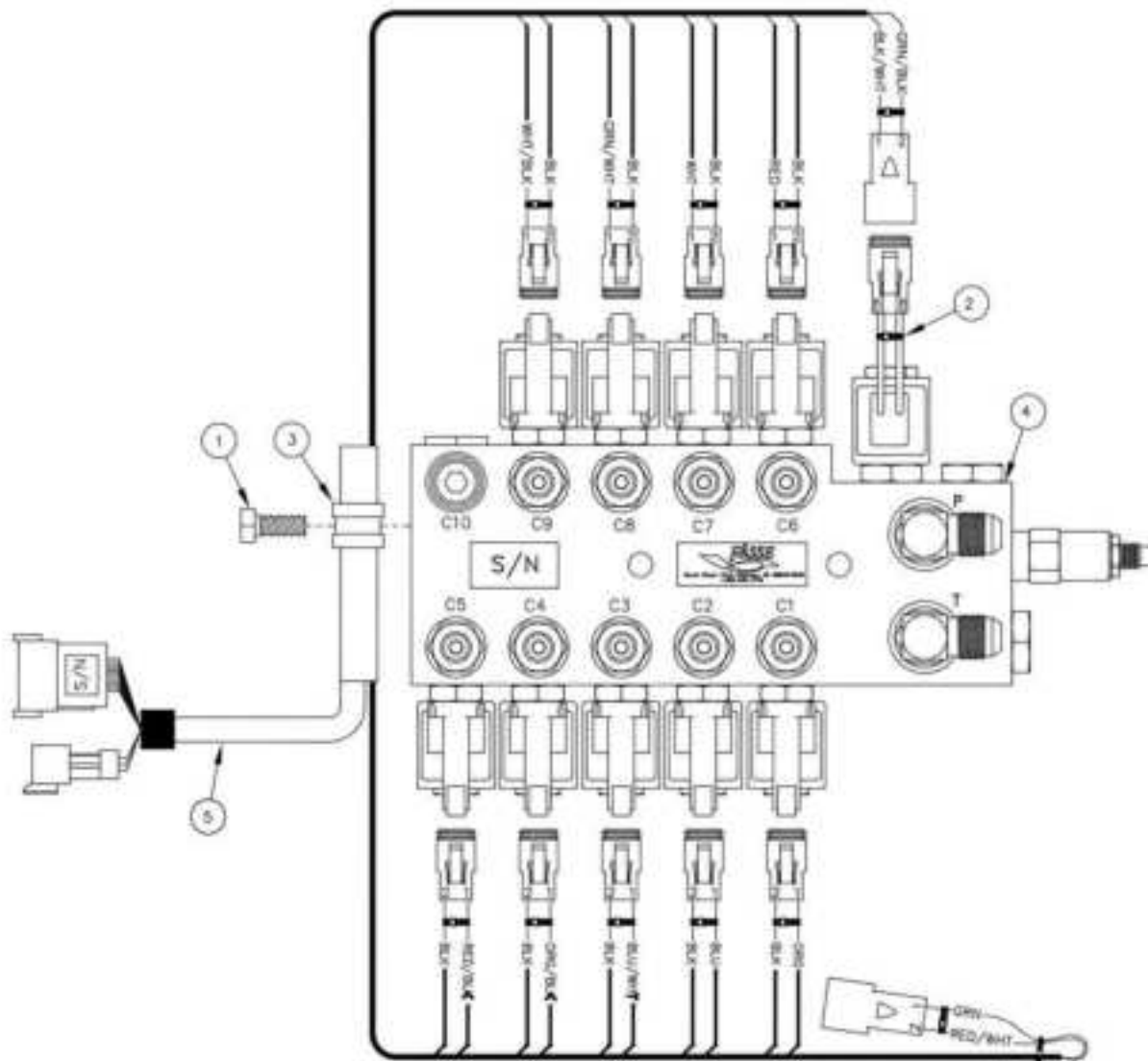
700-0805-4103 & 700-0805-4104

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



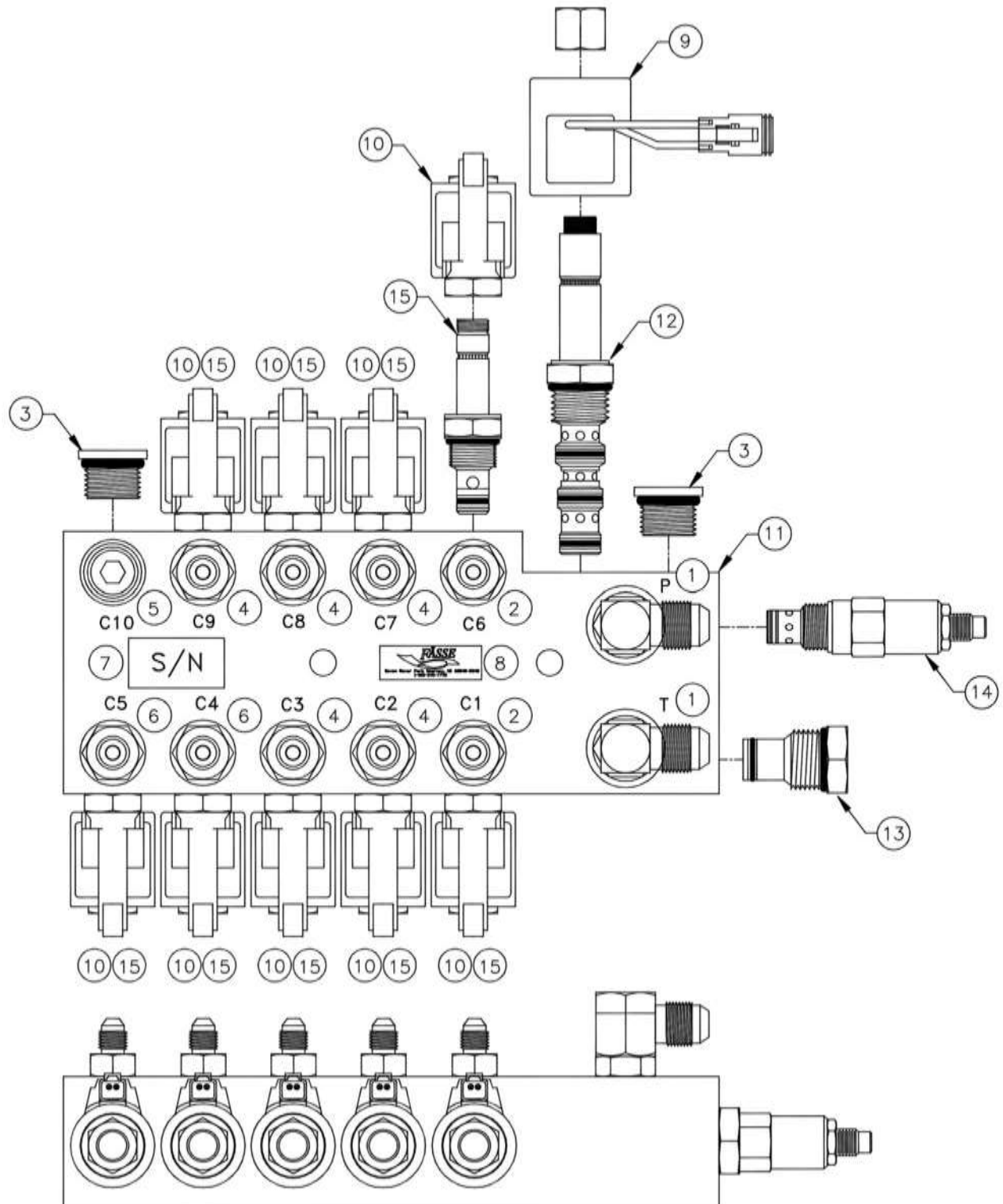


Hydraulic Control Valve Wiring Harness - 80, 90 & 100 Foot Boom



PARTS LIST			
NR	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"D METAL/RUBB
4	302-780	1	MAN ASSY 8808 40A 10A CLSD STR 12V W/400-4(7)+6(2)R/G47 P/6001-8
5	319-724	1	HWS ASSY 15CON 18GA STR REV A 12P(12)-07R2P(2)-08TR2P(2)-20TR2P(2) 3/7

Hydraulic Control Valve - 80, 90 & 100 Foot Boom - 9600



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)
15	273-077	7	CARTRIDGE HYDAC WS 08W-01-C-N-0 (Seal Kit Part Number 274-028)

Hydraulic Control Valve - 80, 90 & 100 Foot Boom - 9600

This diagram illustrates the exploded view of a 5-port manifold assembly. The central component is a manifold block with five ports labeled C1, C2, C3, C4, and C5 on the front face, and C6, C7, C8, C9, and C10 on the top face. A serial number (S/N) label is positioned between the two rows of ports. The manifold is surrounded by various components, each identified by a numbered callout:

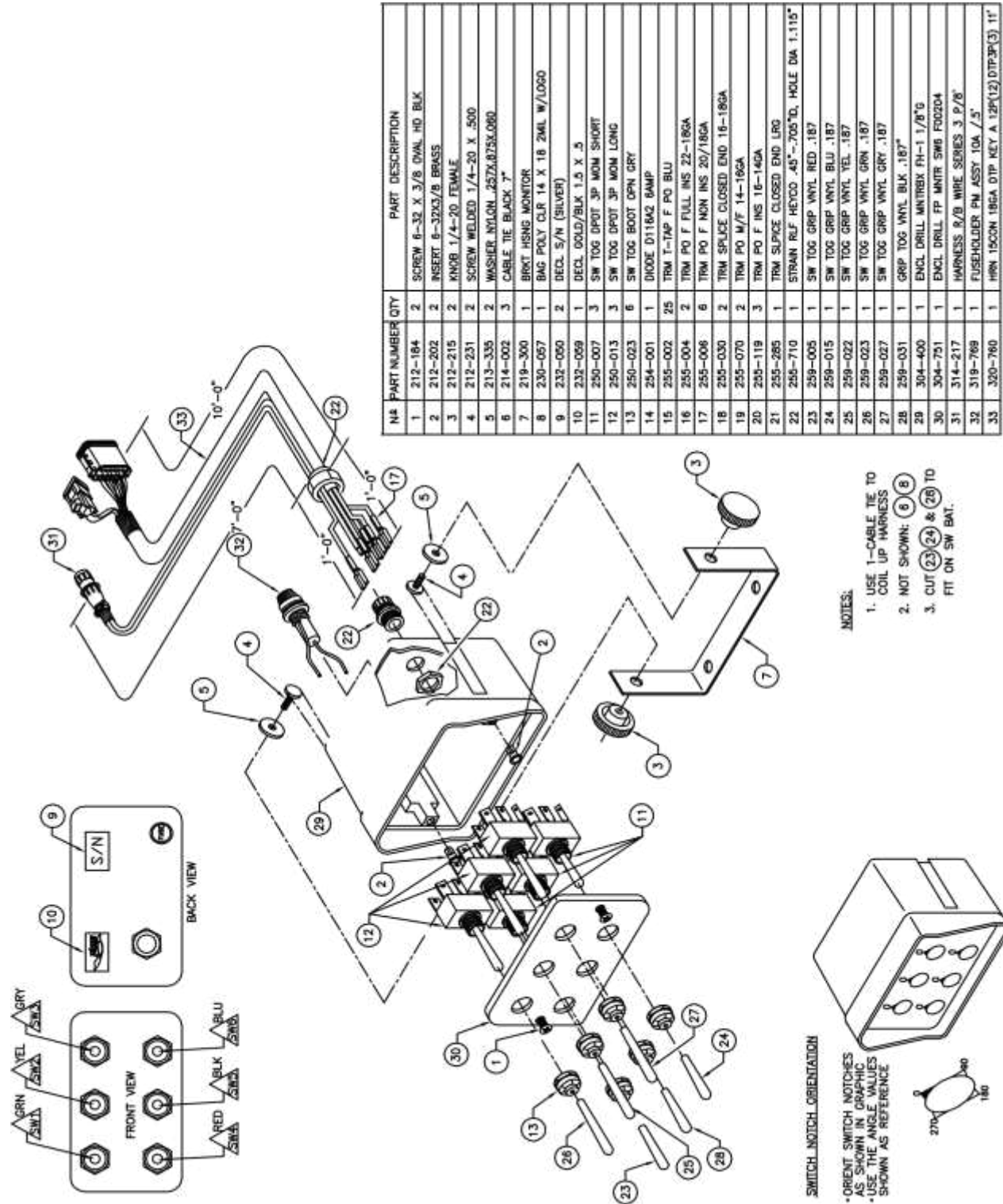
- Callout 1:** O-ring for the top ports (C6-C10).
- Callout 2:** O-ring for the bottom ports (C1-C5).
- Callout 3:** O-ring for the side ports (P and T).
- Callout 4:** O-ring for the top port C10.
- Callout 5:** O-ring for the bottom ports C1-C5.
- Callout 6:** O-ring for the side port T.
- Callout 7:** O-ring for the side port P.
- Callout 8:** Top cap or plug.
- Callout 9:** Plug for the top ports (C6-C10).
- Callout 10:** Plug for the side port P.
- Callout 11:** Plug for the side port T.
- Callout 12:** Plug for the bottom ports (C1-C5).
- Callout 13:** Plug for the side port P.
- Callout 14:** Plug for the bottom ports (C1-C5).

Hydraulic Control Valve - 9600N Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	210-017	2	FITTING 6801--8-/E-MJ-MO
2	210-038	2	FITTING 6408-HHP-8/HOLL HEX PLUG MO
3	210-113	7	FITTING 6400-4-6/S-MJ-MO
4	210-127	1	FITTING 6408-HHP-6/HOLL HEX PLUG MO
5	210-188	2	FITTING 6400-6-6 R.047/S-MJ-MO
6	232-050	2	DECAL S/N (SILVER)
7	232-058	1	DECAL FASSE BLACK/GOLD 1" X .75" ROUND CORNER
8	253-037	1	COIL H/F 6359774 DT
9	253-046	9	COIL HYDAK 0312600 DL DEUTSC RECEPTICLE
10	270-093	1	MANIFOLD S14153-4 5CIR AL RV
11	273-008	1	CARTRIDGE SV10-40-1-N-00 (Seal Kit Part Number 274-001)
12	273-012	1	CARTRIDGE CP10-20 (Seal Kit Part Number 274-019)
13	273-058	1	CARTRIDGE H/F RV10-22A-0-N-NC-35-30 (Seal Kit Part Number 274-009)
14	273-077	9	CARTRIDGE HYDAC WS 08W-01-C-N-0 (Seal Kit Part Number 274-028)

[illegible]

Control Console - 80, 90 & 100 Foot Boom

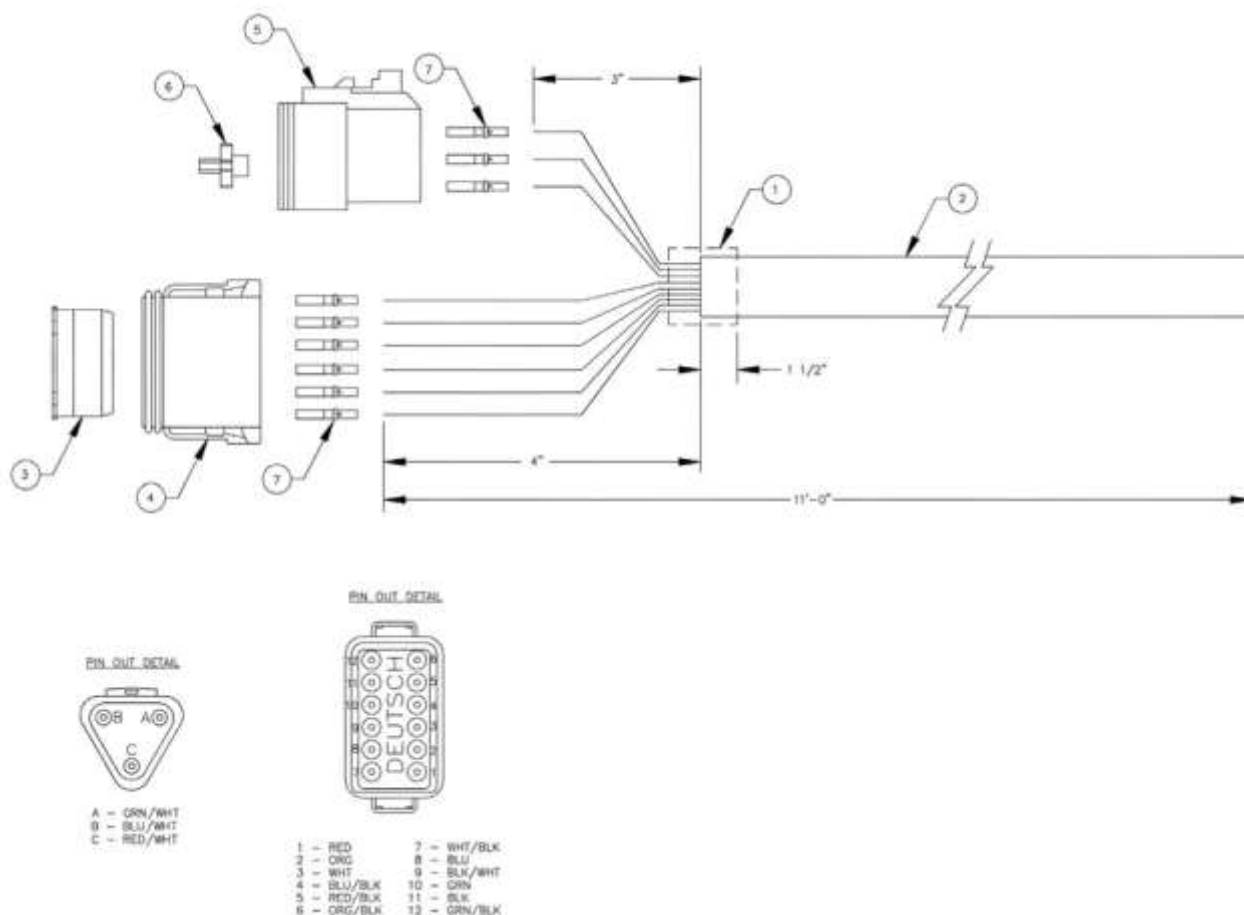


N#	PART NUMBER	QTY	PART DESCRIPTION
1	212-184	2	SCREW 6-32 X 3/8 OVAL HD BLK
2	212-202	2	INSERT 6-32X3/8 BRASS
3	212-215	2	KNOB 1/4-20 FEMALE
4	212-231	2	SCREW WELDED 1/4-20 X .500
5	213-335	2	WASHER NYLON .257X.875X.060
6	214-002	3	CABLE TIE BLACK 7"
7	218-300	1	BRKT HSG MONITOR
8	230-057	1	BAG POLY CLR 14 X 18 2MIL W/LOGO
9	232-050	2	DECL S/N (SILVER)
10	232-069	1	DECL GOLD/BLK 1.5 X .5
11	250-007	3	SW TOG DPOT 3P MOM SHORT
12	250-013	3	SW TOG DPOT 3P MOM LONG
13	250-023	6	SW TOG BOOT OPN GRY
14	254-001	1	DIODE D118A2 BAMP
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 SPLICE CLOSED END LRG
22	255-710	1	STRAIN RLF HEYCO .45"-705"Q, HOLE DIA 1.115"
23	259-005	1	SW TOG GRP VNYL RED .187
24	259-015	1	SW TOG GRP VNYL BLU .187
25	259-022	1	SW TOG GRP VNYL YEL .187
26	259-023	1	SW TOG GRP VNYL GRN .187
27	259-027	1	SW TOG GRP VNYL GRY .187
28	259-031	1	GRP TOG VNYL BLK .187"
29	304-400	1	ENCL DRILL MNTBRX FH-1 1/8"O
30	304-751	1	ENCL DRILL FP MNTR SWB F00204
31	314-217	1	HARNSS 8/9 WIRE SERIES 3 P/8"
32	319-769	1	FUSEHOLDER PM ASSY 10A / .5"
33	320-760	1	HWN 150CM 18GA DTP KEY A 12P(12)DTP3P(3) 11"

Control Console Switch Diagram



Wiring Harness - 80, 90 & 100 Foot Boom



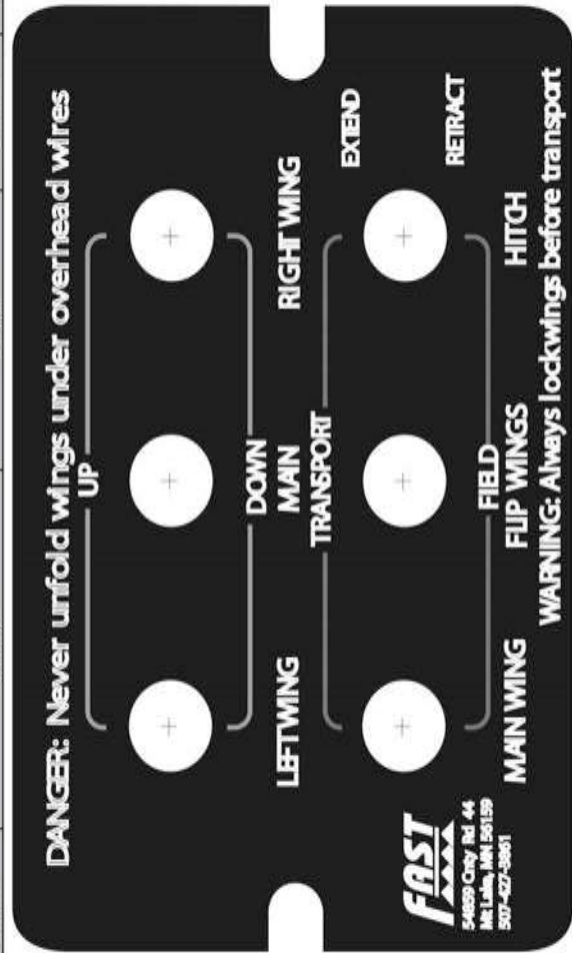
Wiring Harness - 80, 90 & 100 Foot Boom Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	231-007	3"	S HRINK TUBING .625
2	252-020	11'	CABLE 15CON 18 GAUGE
3	255-215	1	CENTERLOCK WEDGE 12 P IN DTP
4	255-756	1	CONNECTOR DEUTSCHDT PLUG 12 PIN KEY A
5	255-813	1	CONNECTOR DEUTSCH 3 PIN PLUG DTD T PLUG 12 PIN KEY A
6	255-817	1	CONNECTOR DEITSCH LOCK W EDGE 3 PIN DTP
7	255-978	15	CONNECTOR DEUTSCH SOCKET 16/18 GAUG E

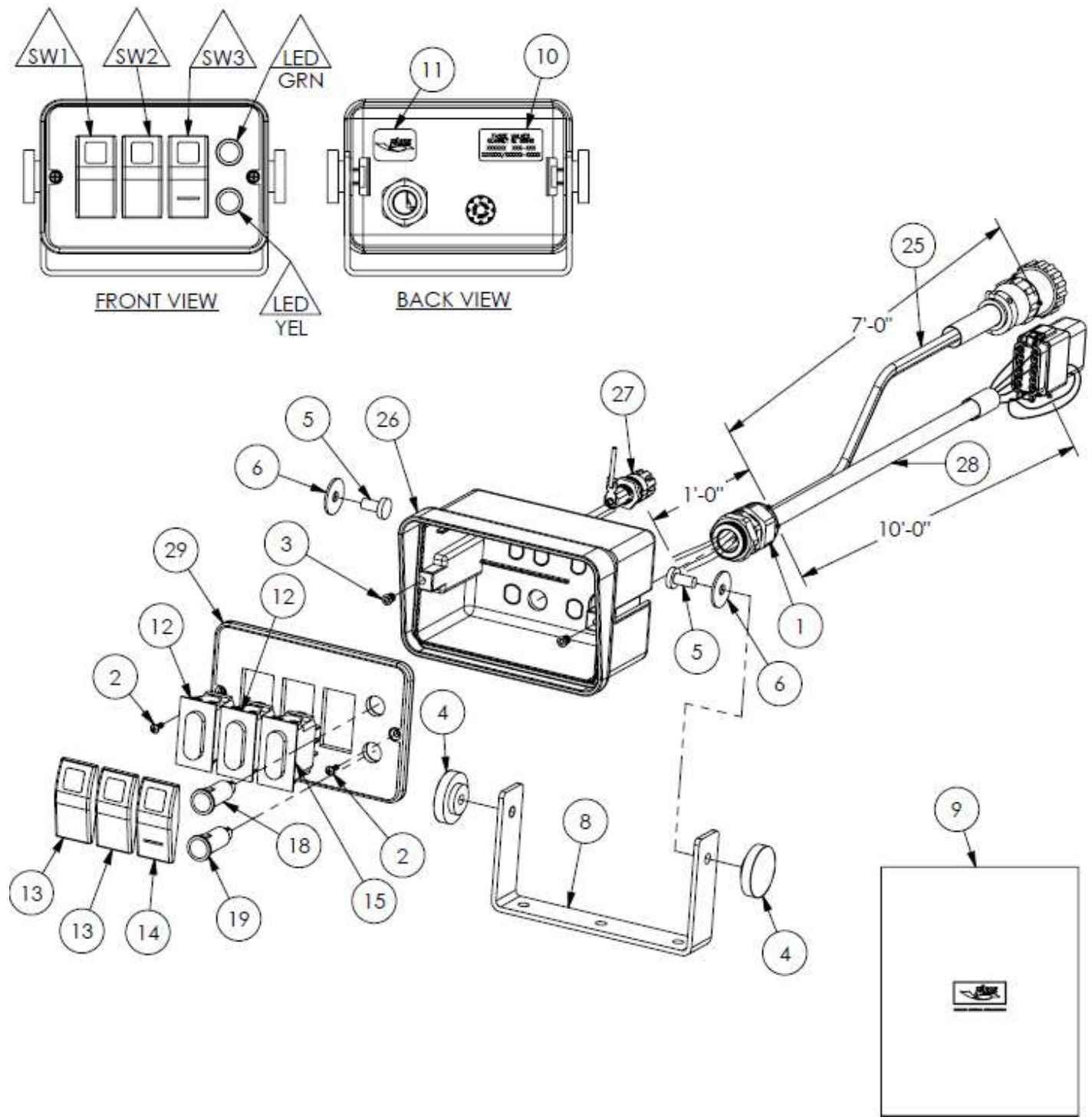
Control Console Decal - 80, 90 & 100 Foot Boom

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



Cab Box for Electric Valving Option

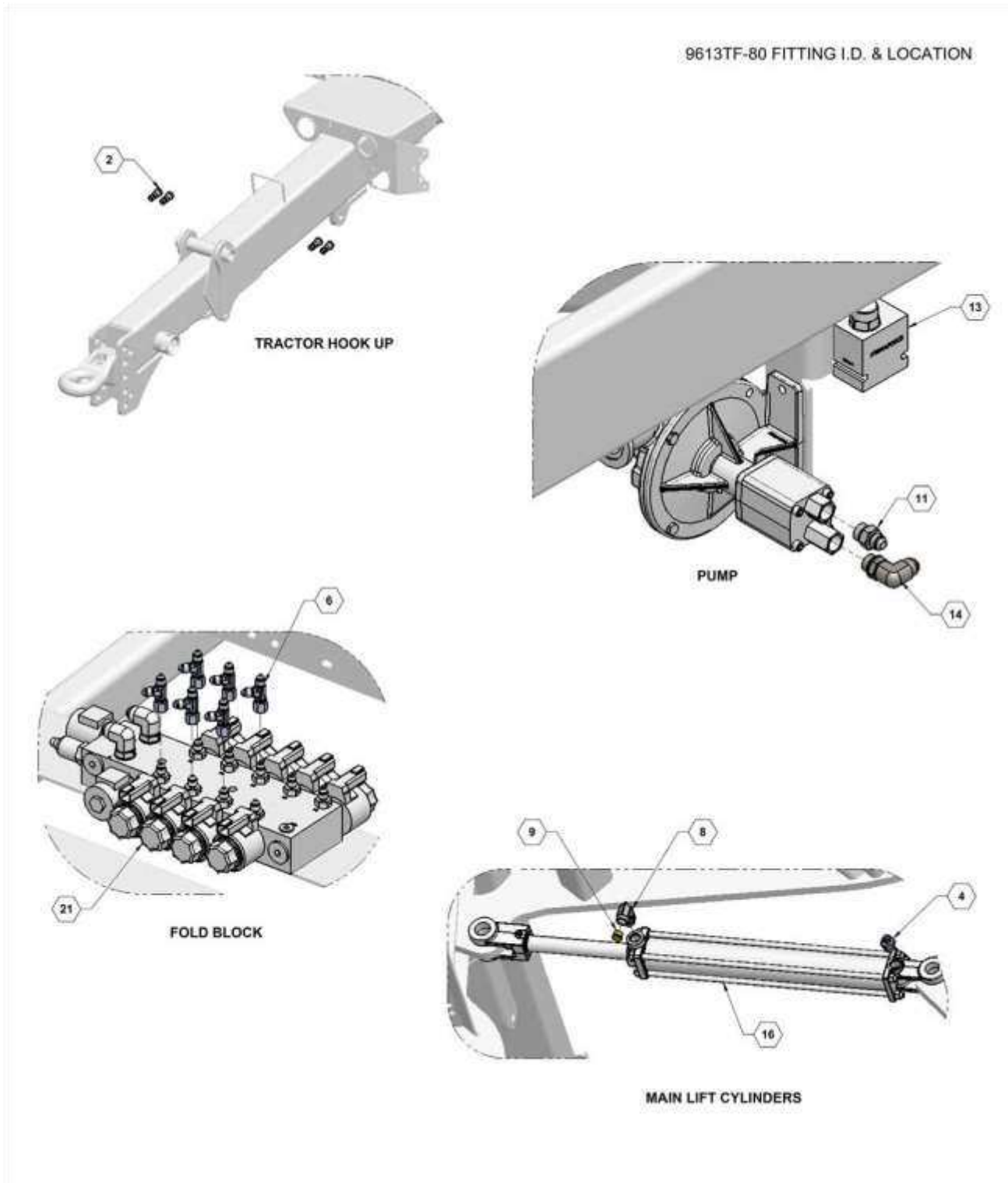


Cab Box for Electric Valving Option 632155

ITEM	PART NO.	QTY.	DESCRIPTION
1	210-710	1	STR RLF HEYCO .23"-.54"ID, HOLE DIA .886"
2	212-184	2	SCREW PHIL PAN #6-32X3/8" BLK
3	212-202	2	SCREW INSERT BRASS #6-32X3/8"
4	212-215	2	KNOB FEMALE 1/4"-20
5	212-231	2	SCREW WELDED 1/4"-20X.625"
6	213-335	2	WASHER NYLON FLAT 1/4"-20
7	214-002	3	CABLE TIE BLK 8.5"
8	219-300	1	BRKT MNTR BLK AL
9	230-057	1	BAG POLY 14X 18 2MIL LOGO
10	232-050	1	DECL S/N SILVER
11	232-058	1	DECAL FASSE BLK/GOLD 1"X.75" RND CRNR
12	250-242	2	SW RCK CONTURA BODY ONLY SPST 2P STAT CLEAR LED 12V
13	250-243	2	SW RCK CONTURA II ACTUATOR ONLY RED LENS BLK
14	250-244	1	SW RCK CONTURA II ACTUATOR ONLY RED/RED LENS BLK
15	250-245	1	SW RCK CONTURA BODY ONLY SPST 3P STAT CLEAR/CLEAR LEDS 12V
16	252-058	14"	WIRE 18GA BLK
17	252-059	14"	WIRE 18GA RED
18	254-179	1	LED GRN 12V 5/8"DIA SNAP FLUSH 1/4" MALE TRM
19	254-182	1	LED YEL 12V 5/8"DIA SNAP FLUSH 1/4" MALE TRM
20	255-002	6	TRM PO T-TAP F 18-14GA
21	255-006	7	TRM PO F INS 22-18GA
22	255-030	3	TRM SPLICE CLOSED END 16-18GA
23	255-119	1	TRM PO FINS 16-14GA
24	255-285	1	TRM SPLICE CLOSED END LRG 14-16GA
25	314-001	1	HRN 2CON 14GA AMP PLUG 3P(2) 8"
26	319-725	1	ENCL MNTR BOX 4.75"X3"X2"
27	320-529	1	FUSE HOLDER PM ASSY 7.5A .5'
28	320-607	1	HRN 12CON 18GA DTP KEY B 12P(12) 11' END CAP
29	320-609	1	ENCL DRILL FP MNTR RCK3 LED2 500204



9613TF-80 Hydraulic Fitting Locations

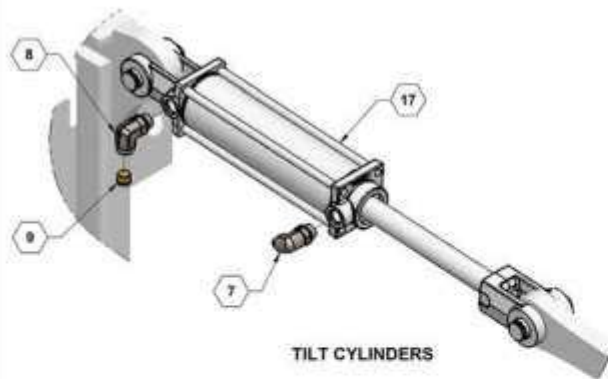




9613TF-80 Hydraulic Fitting Locations Parts List

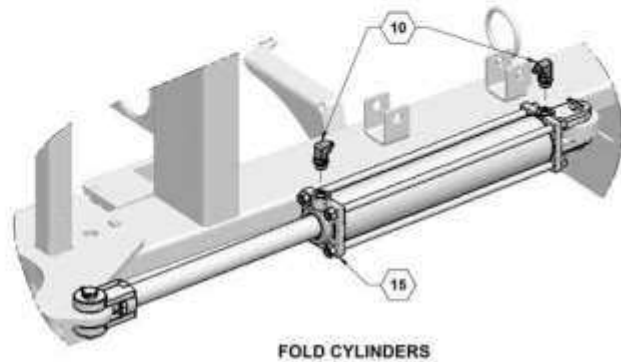
ITEM	PART NO.	QTY.	DESCRIPTION
2	520048	4	PIONEER COUPLER #8 FORB
4	610011	3	JIC #6 TO ORING #8
6	610028	6	#4 SWIVEL RUN TEE
8	610035	4	ORING #8 TO 3/8" PIPE 90 DEG
9	610036	4	PLUG 3/8-18 BREATHER VENT
11	610060	1	JIC #8 TO ORING #10
13	610099	1	VALVE, FLOW CONTROL, P.C.
14	610102	1	JIC #10 TO O-RING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

9613TF-80 Hydraulic Fitting Locations

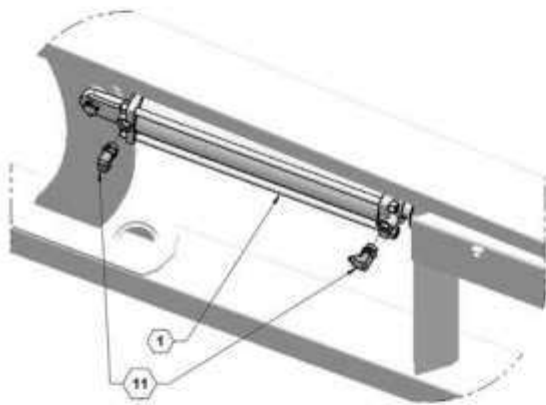


TILT CYLINDERS

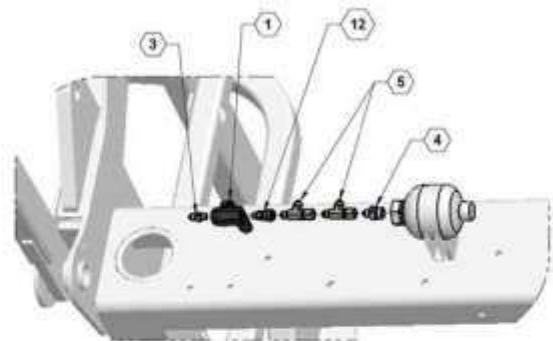
9613TF-80 FITTING I.D. & LOCATION CONTINUED



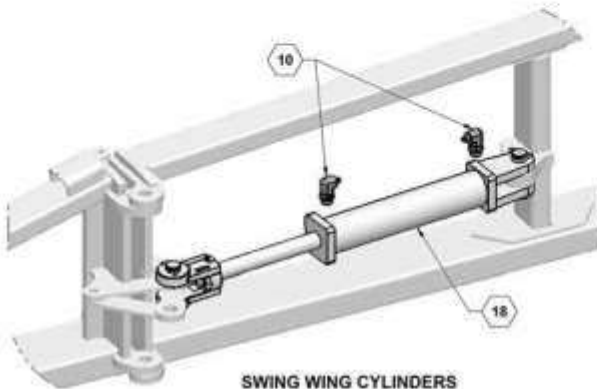
FOLD CYLINDERS



FLIP WING CYLINDERS



ACCUMULATOR



SWING WING CYLINDERS

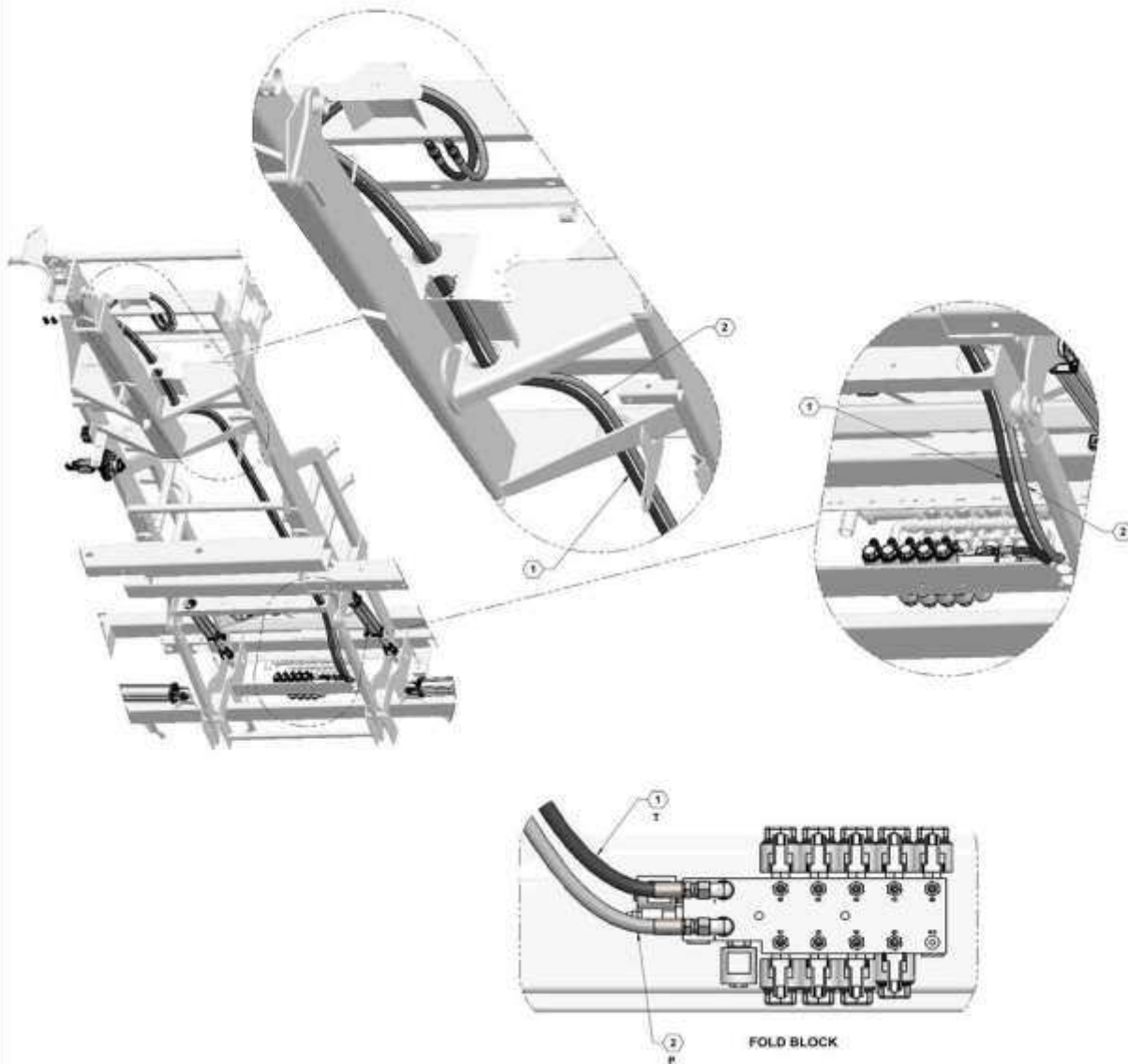
9613TF-80 Hydraulic Fitting Locations Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	500000	1	VALVE, BALLSAE#4FEMALEPORT
3	610007	1	JIC#4TOORING#4
4	610011	3	JIC#6TOORING#8
5	610027	2	JIC#6RUNTEE
7	610030	2	JIC#6TOORING#890DEG
8	610035	4	ORING#8TO3/8"PIPE90DEG
9	610036	4	PLUG3/8-18BREATHERVENT
10	610039	8	JICRESTRICTED.032#4XO-R#890DEG(9600N)
10	610040	12	JICRESTRICTED.045#4XO-R#890DEG(9600)
11	610040	12	JICRESTRICTED.045#4XO-R#890DEG(9600&9600N)
12	610079	1	CONNECTOR#4ORBX#6JIC
15	620006	2	CYLINDER,30TD16-150FOLD
17	620023	2	CYLINDER,25TD08-112WINGTILT

Fold Block Hydraulic Hose Routing

FOLD BLOCK PRESSURE = BLACK HOSE
FOLD BLOCK RETURN = GRAY HOSE

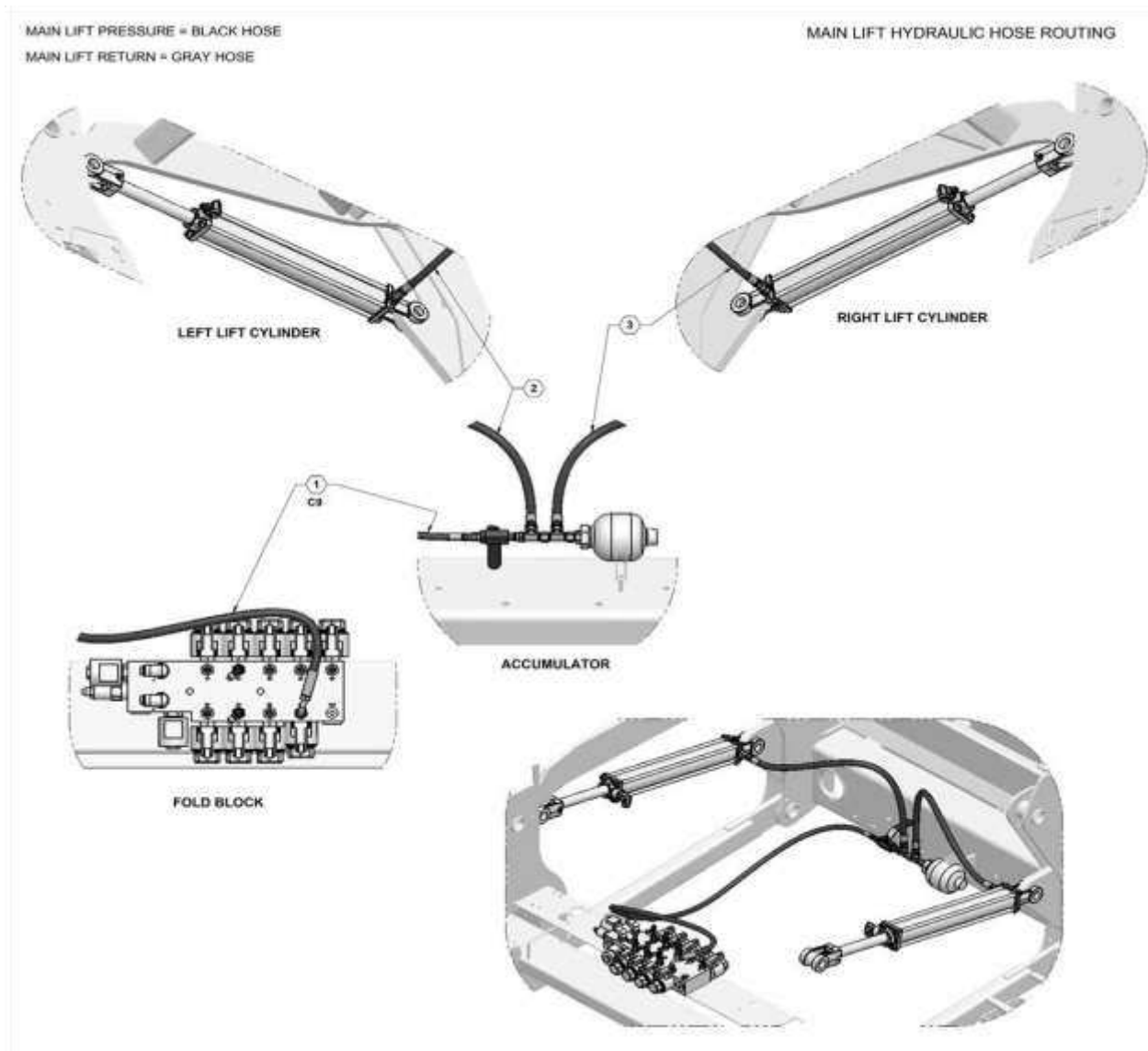
FOLD BLOCK HYDRAULIC HOSE ROUTING



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

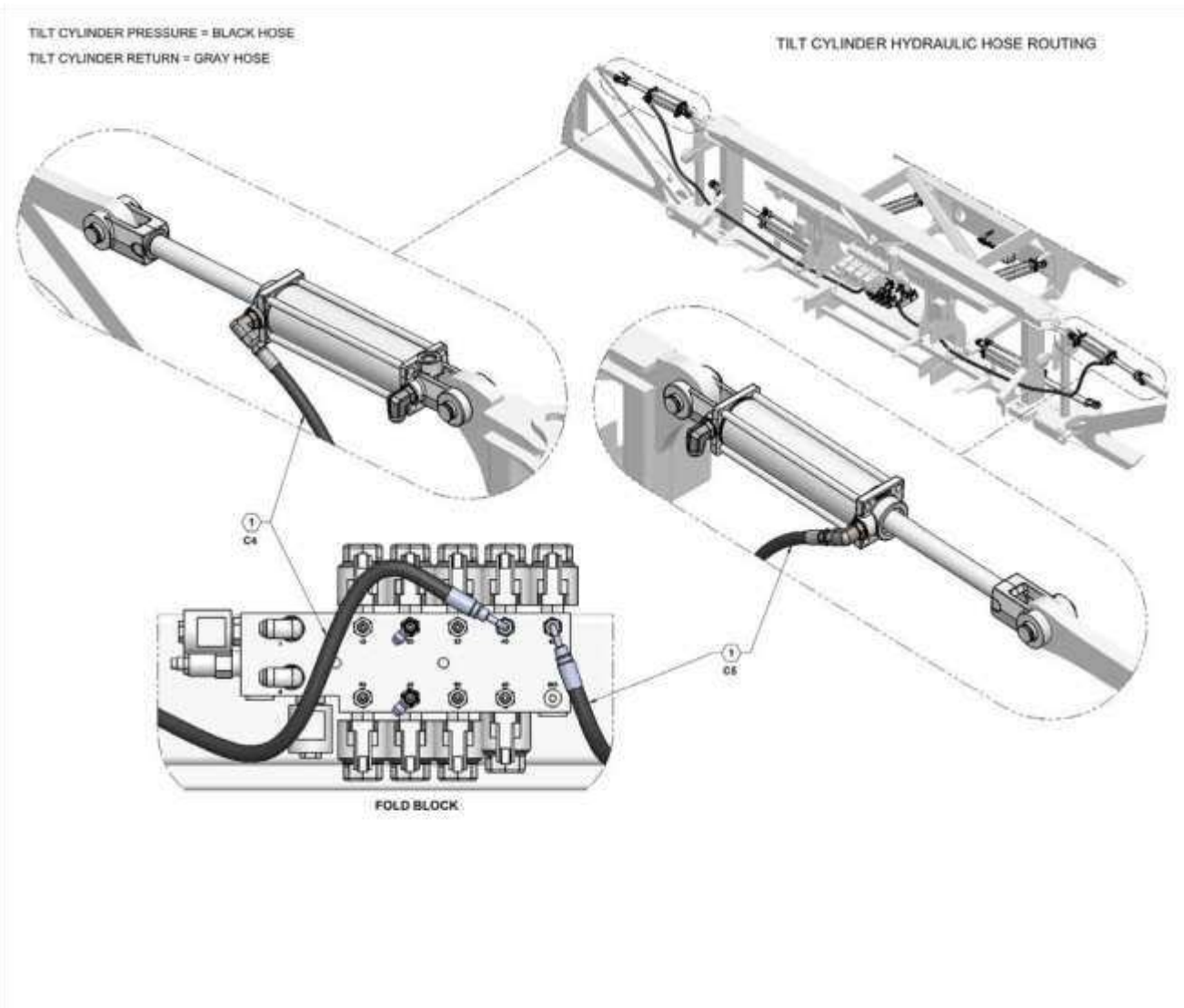
Main Lift Hydraulic Hose Routing



Main Lift Hydraulic Hose Routing Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	FDM0048-ZN	1	HYDRAULIC HOSE , 04 - 4 F J X 90 - 4 F J X - 85
2	600040-12-ZN	1	HYDRAULIC HOSE, 06 - 6 F J X - 6 F J X - 28
3	600040-13-ZN	1	HYDRAULIC HOSE, 06 - 6 F J X - 6 F J X - 30

Tilt Cylinder Hydraulic Hose Routing

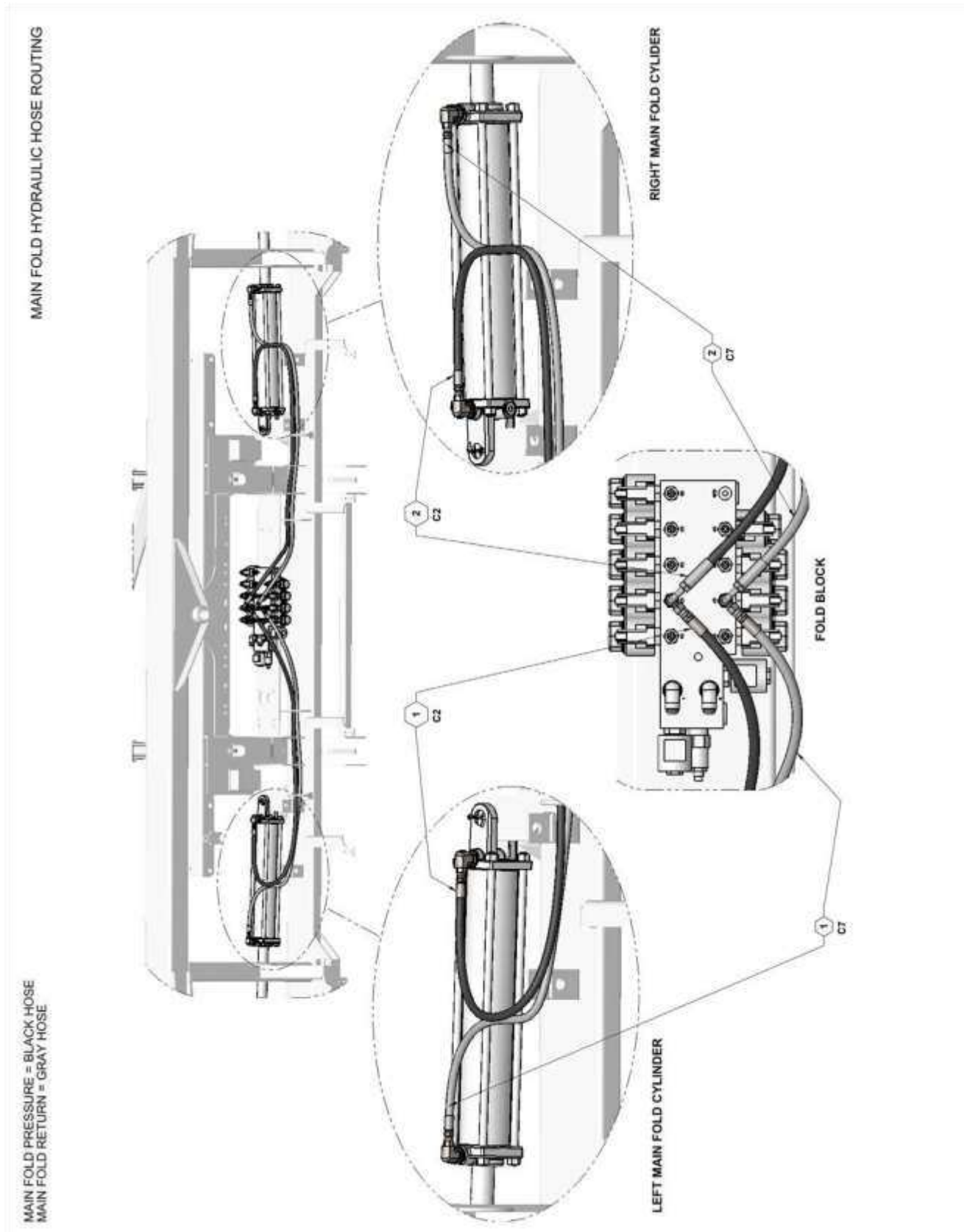


Tilt Cylinder Hydraulic Hose Routing Parts List

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



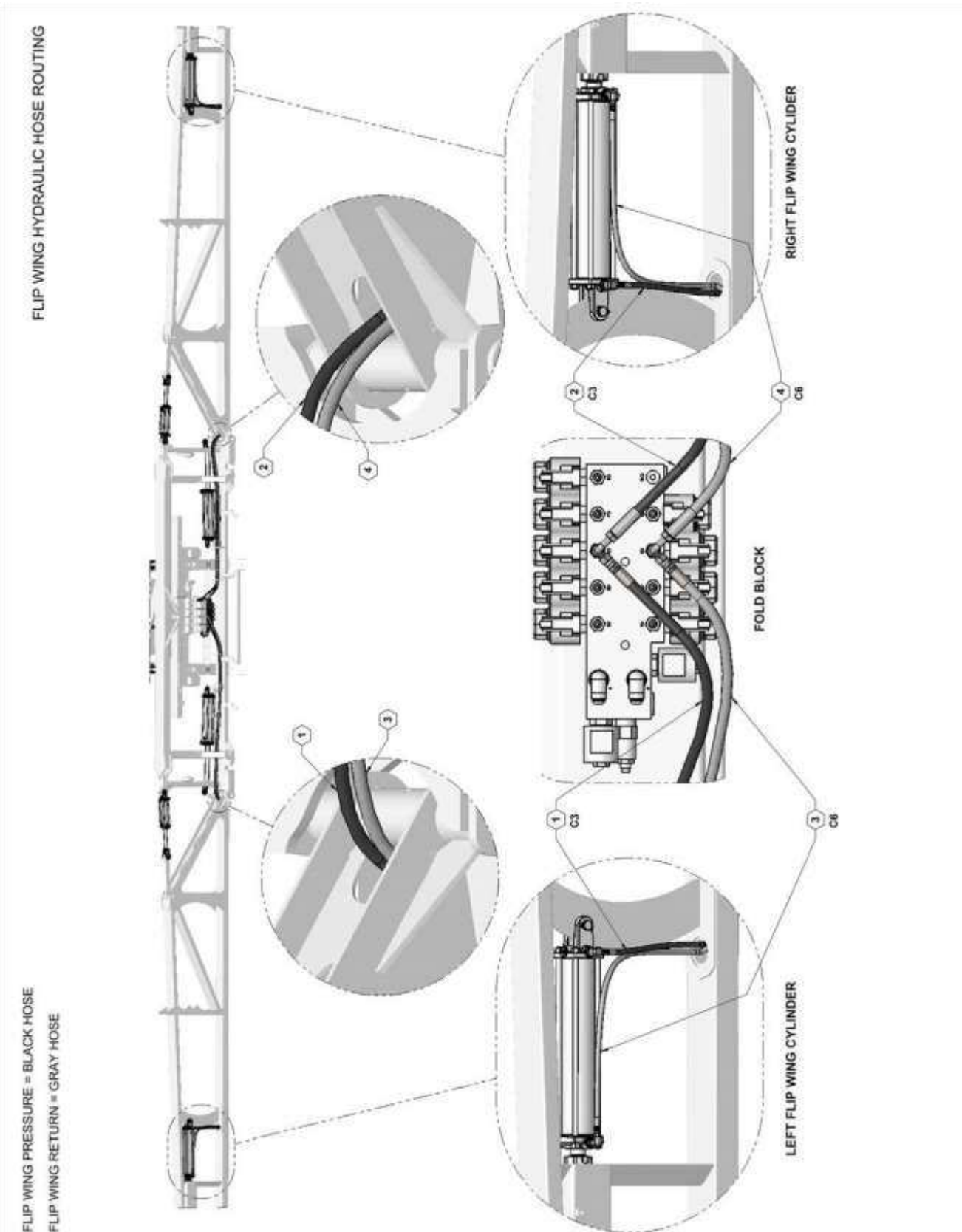
Main Hydraulic Hose Routing



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



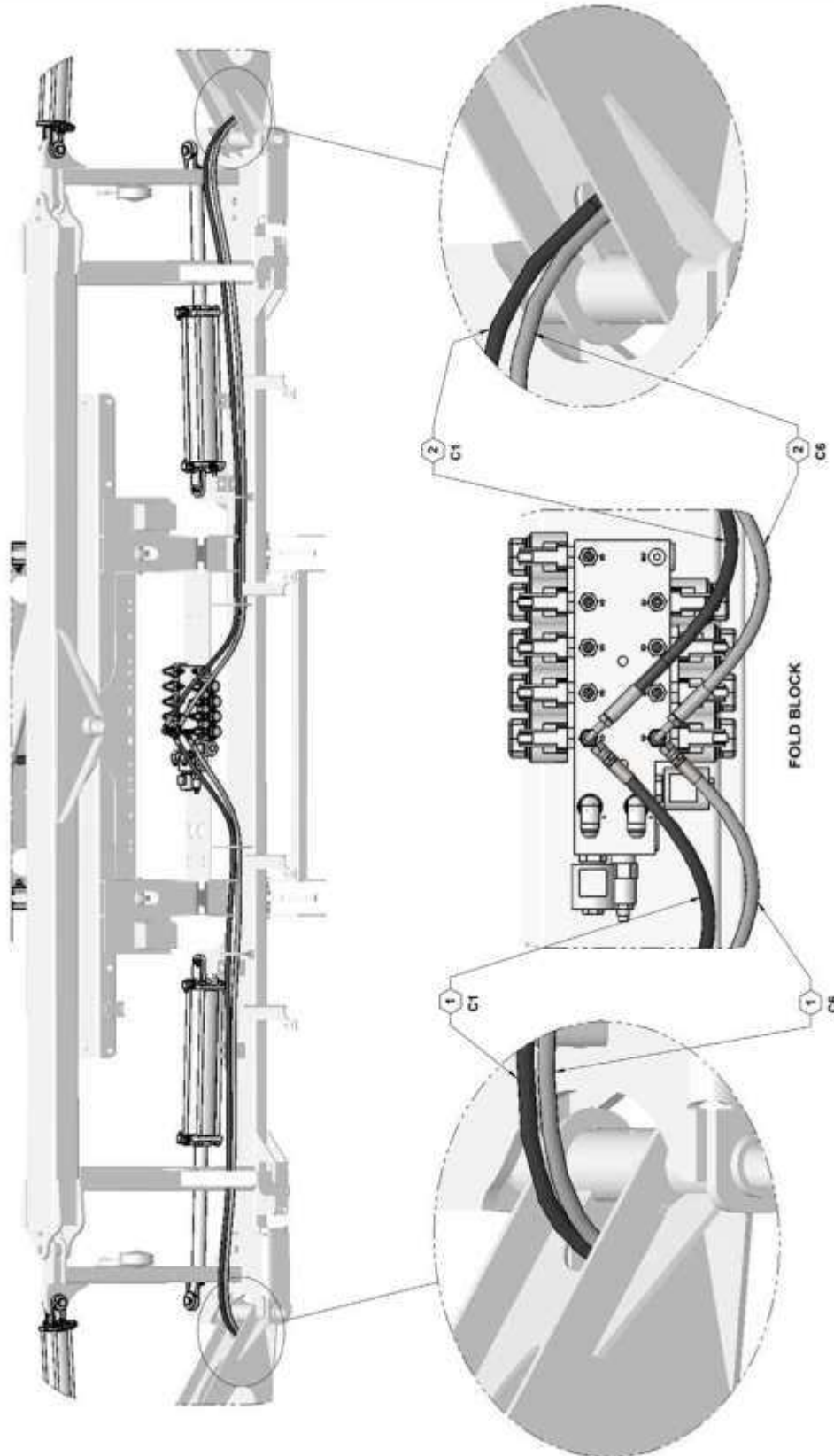
Flip Wing Hydraulic Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1	600040-16-ZN	1	HYDRAULIC HOSE , 04-4F JX-4F JX-202
2	600040-11A -ZN	1	HYDRAULIC HOSE, 04-4F JX90-4F JX-215
3	600040-17A -ZN	1	HYDRAULIC HOSE, 04-4F JX-4F JX-220
4	600045-6-ZN	1	HYDRAULIC HOSE , 04-4F JX90-4F JX-200

Breakaway Wing Hydraulic Hose Routing

BREAKAWAY WING HYDRAULIC HOSE ROUTING

BREAKAWAY WING PRESSURE = BLACK HOSE
BREAKAWAY WING RETURN = GRAY HOSE

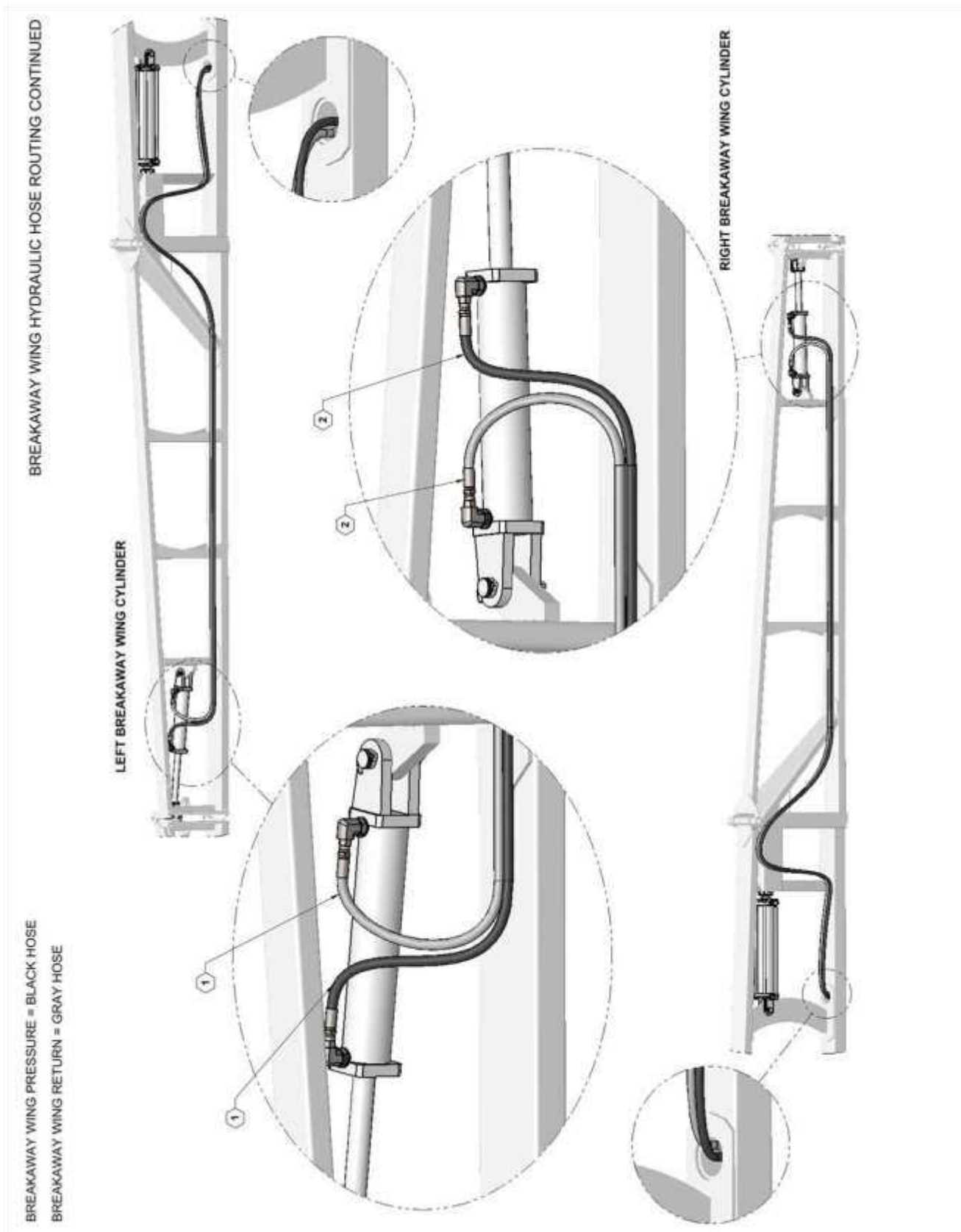




Breakaway Wing Hydraulic Hose Routing Parts List

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



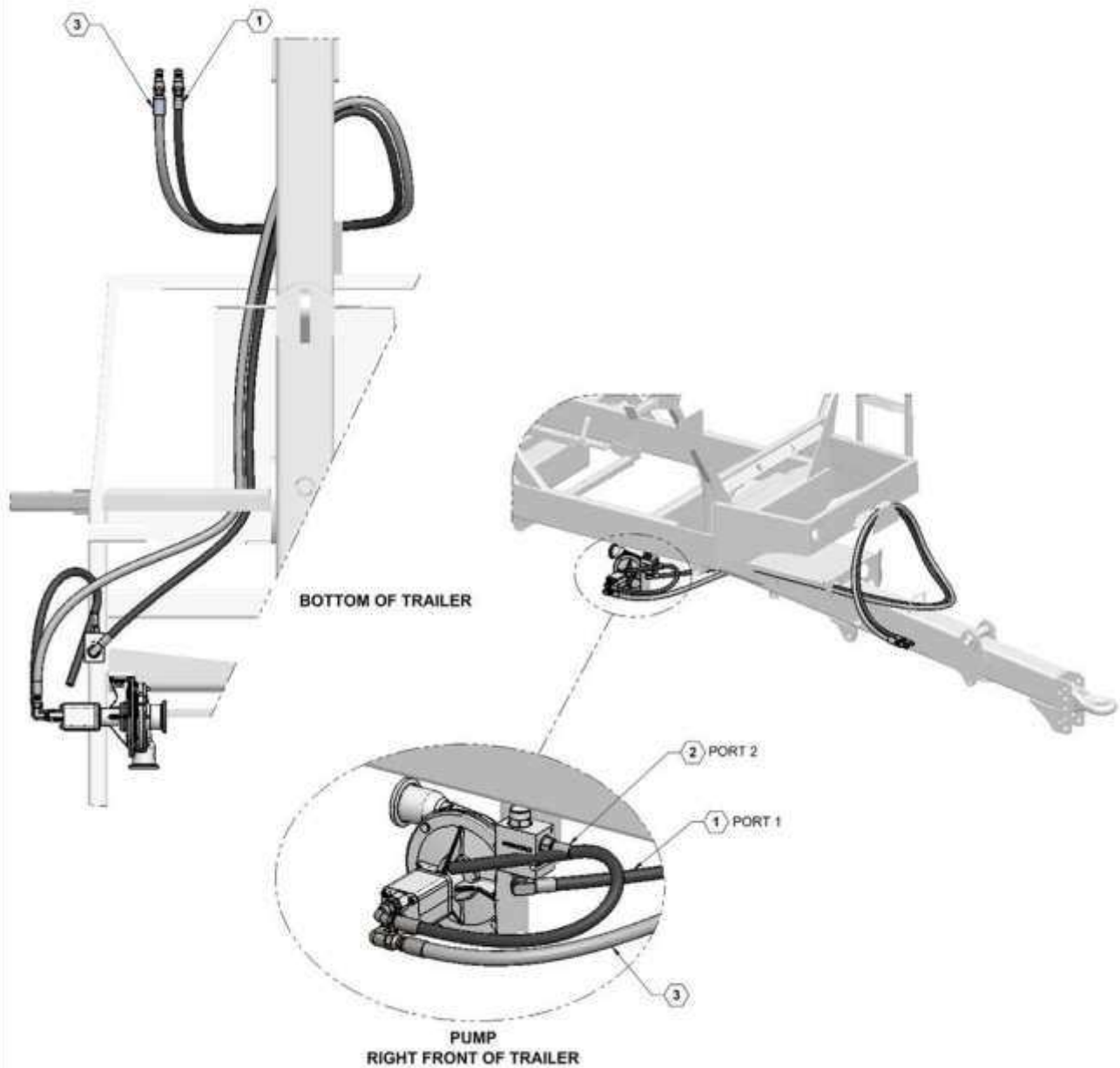
Breakaway Wing Hydraulic Hose Routing Parts List

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
	632010	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
	632031	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
	632031	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)

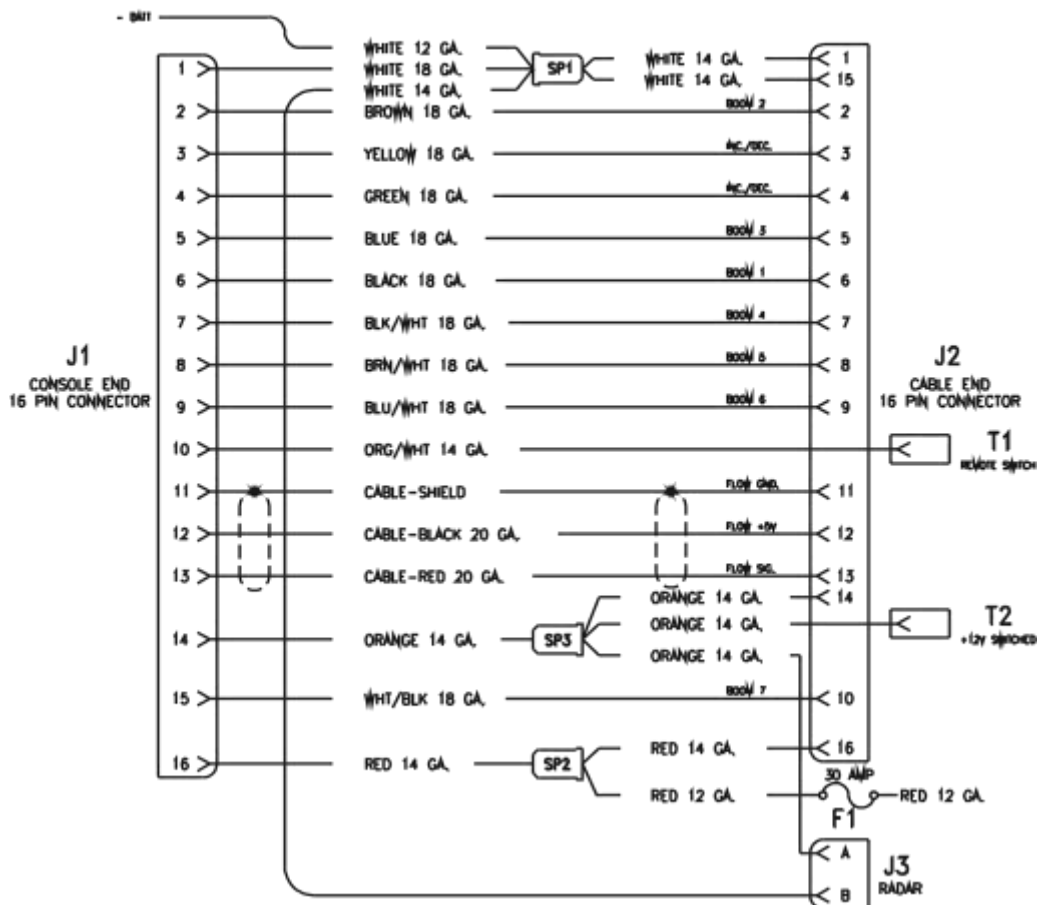
ITEM	PART NO.	QTY.	DESCRIPTION
	632063	1	RAVEN PRECISION CR7 DISPLAY
	632064	1	CABLE, RAVEN ISO/POWER
	632066	1	CABLE, CR7 ISO VT ONLY

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

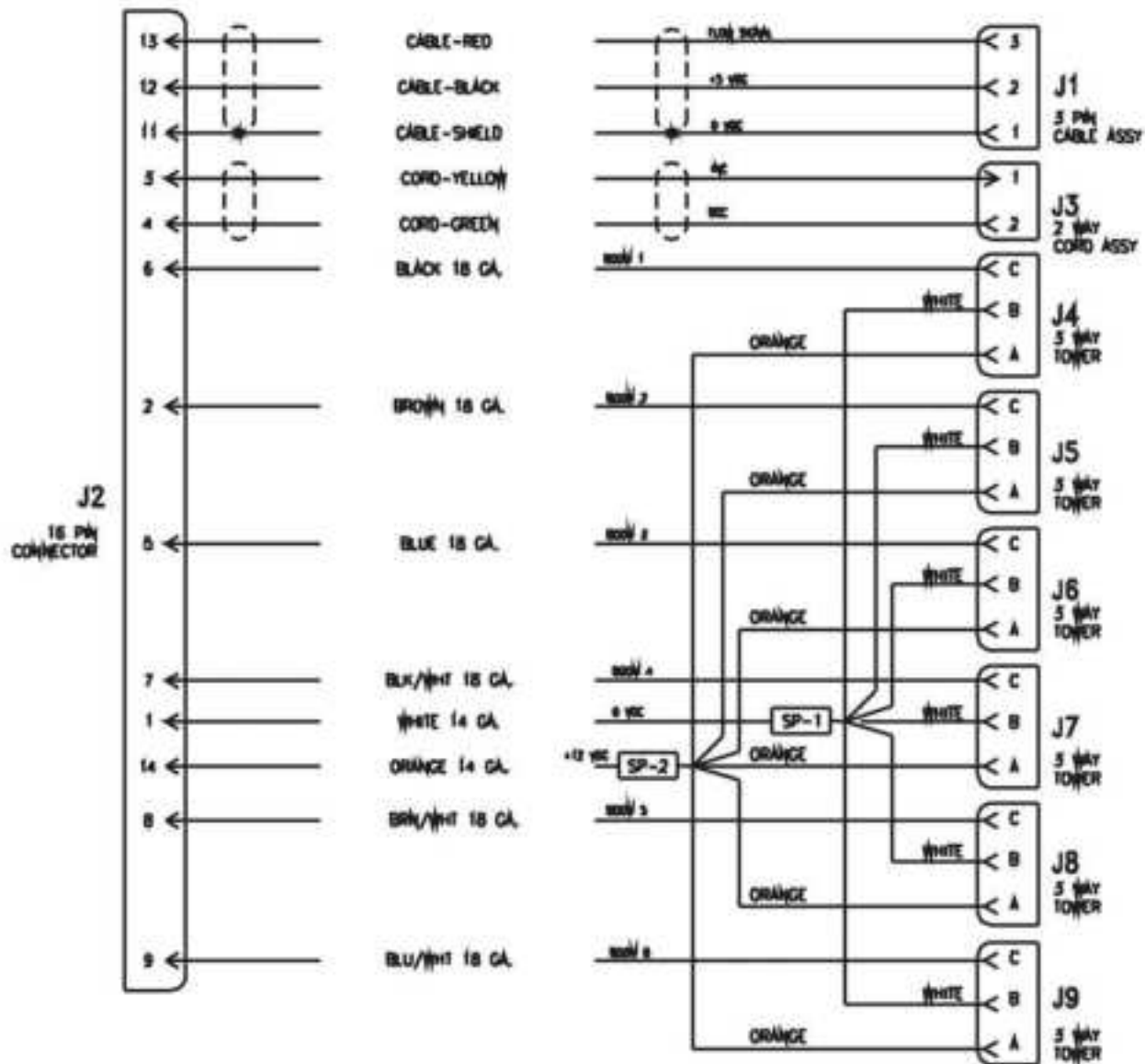
ITEM	PART NO.	QTY.	DESCRIPTION
	11145BLK	1	SWITCH BRACKET
	500027	0.25	VALVE 450BEC MANIFOLD (NARROW) (NON-FLOWBACK)
	500028	0.25	VALVE 450BEC MANIFOLD (WIDE) (NON-FLOWBACK)
	500029	0.25	VALVE 450BEC MANIFOLD (WIDE) (FLOWBACK)
	510016	2.5	HOSE, 1" EPDM
	510019	3	HOSE, 3/4" EPDM
	530189	1	QUICK CONNECT 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
	560071	1	TOGGLE SWITCH BOOT

Control Console Wiring Harness

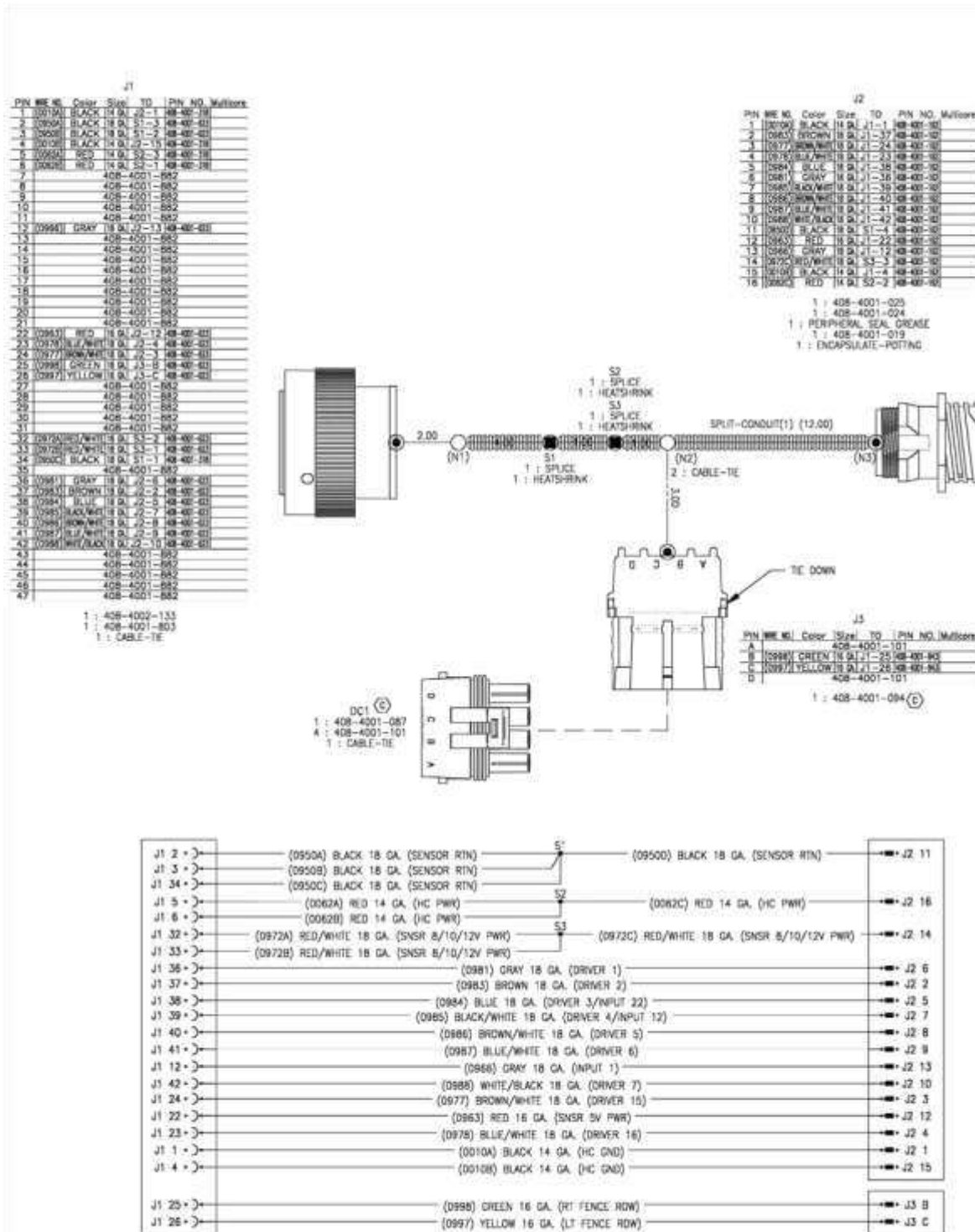
CABLE,
CONSOLE, SCS 460, 6 BOOM, 10'
115-0171-085 (Rev. A)



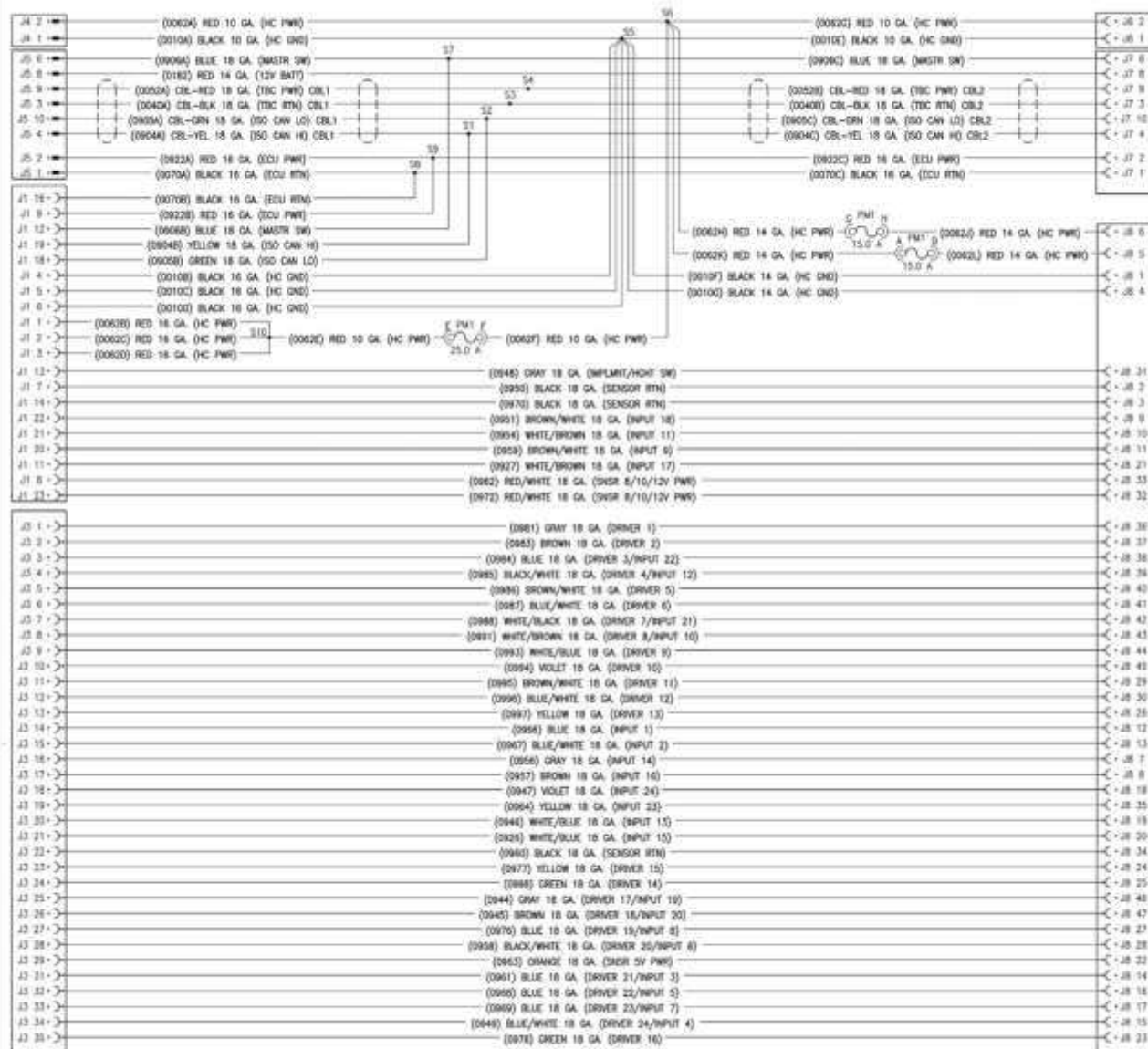
CABLE, 12' PRODUCT, 6 BOOM WITH 3 PIN TOWERS 115-0171-129 (Rev. A)



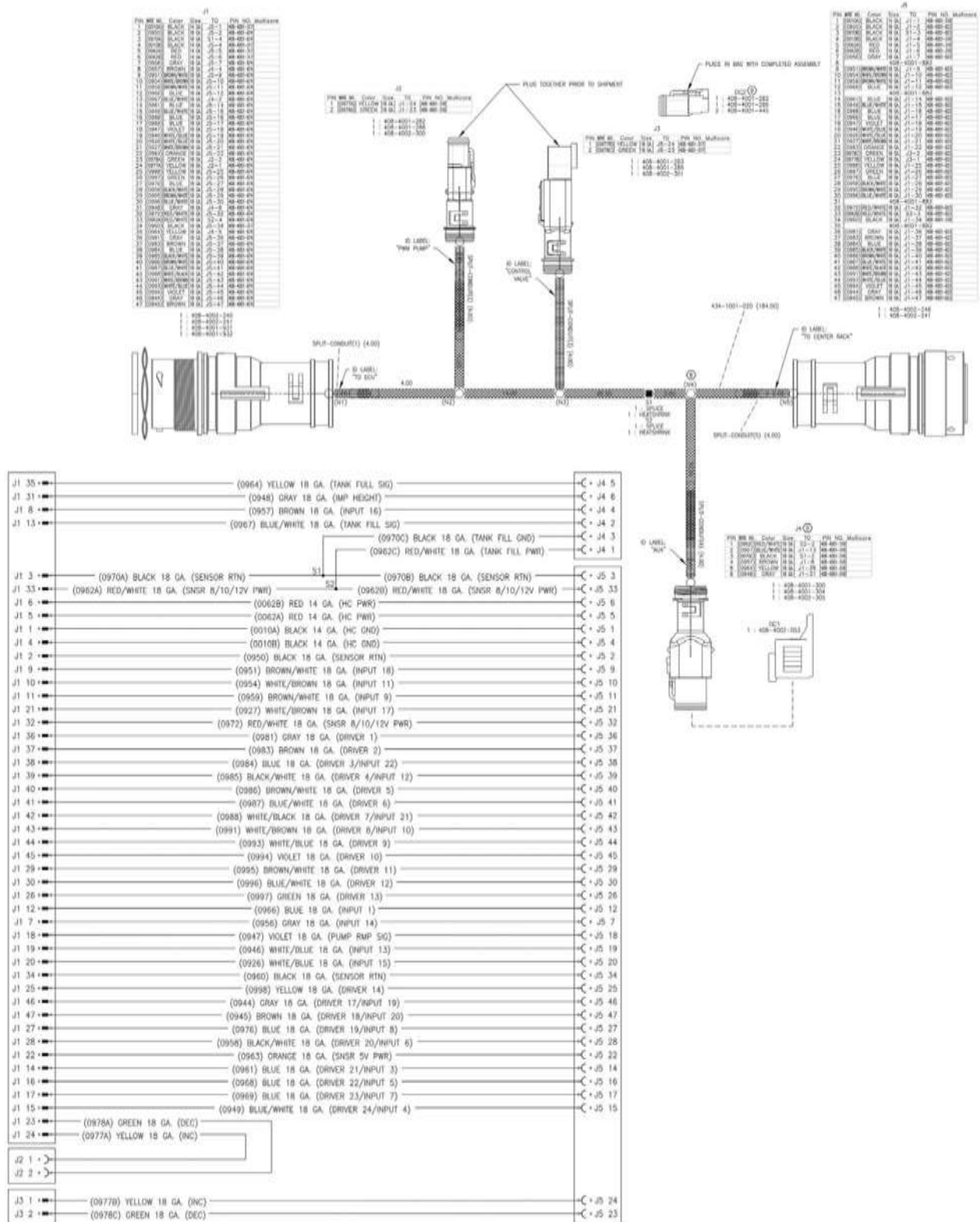
Adapter Cable, 16 Pin Console To 47 Pin Product Port (632028)



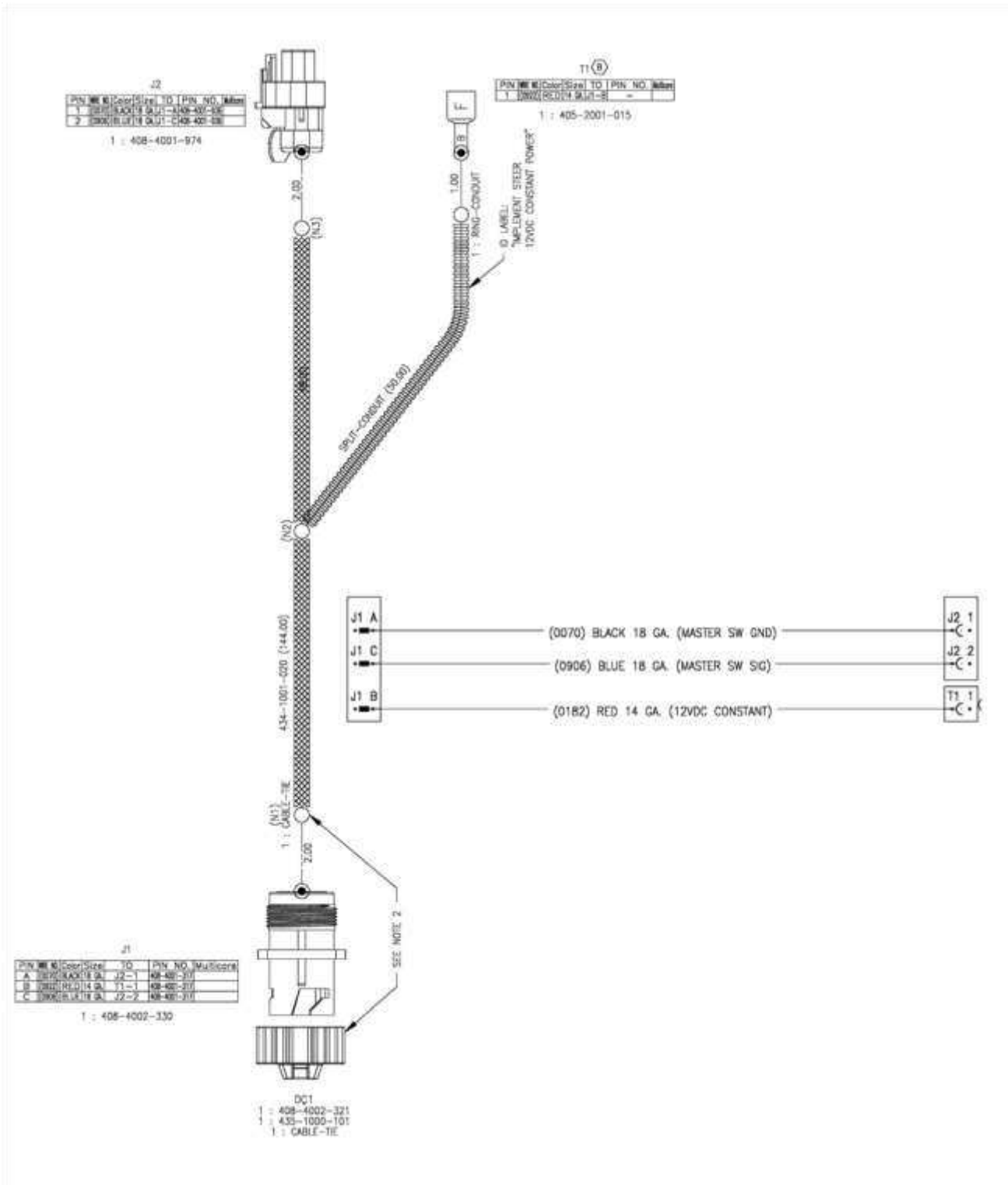
Cable, 81 Pin ECU, 47 Pin Rate Control Interface (632029)



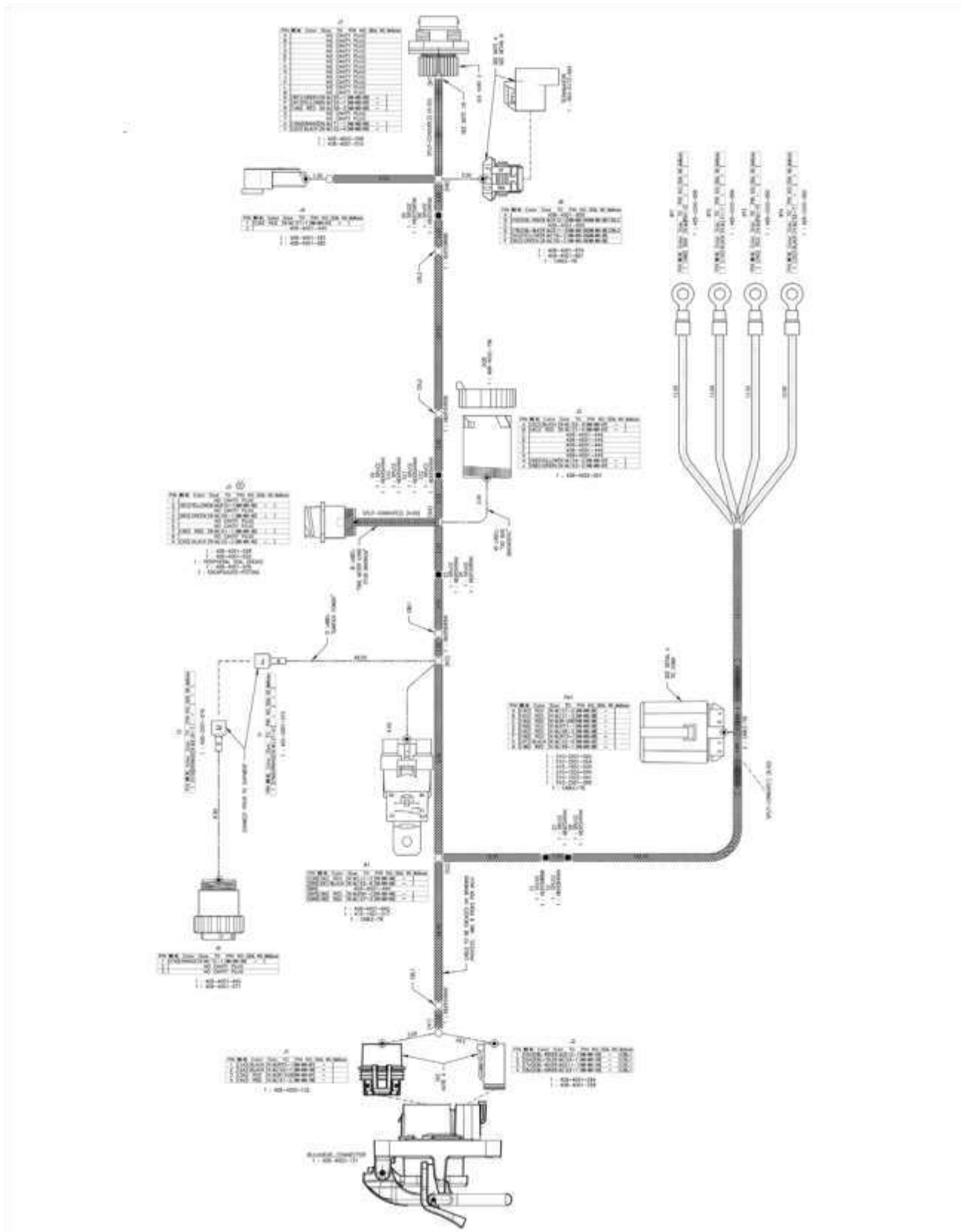
Cable, Pull Type Sprayer Frame, 14' 47 Pin To 47 Pin (632035)



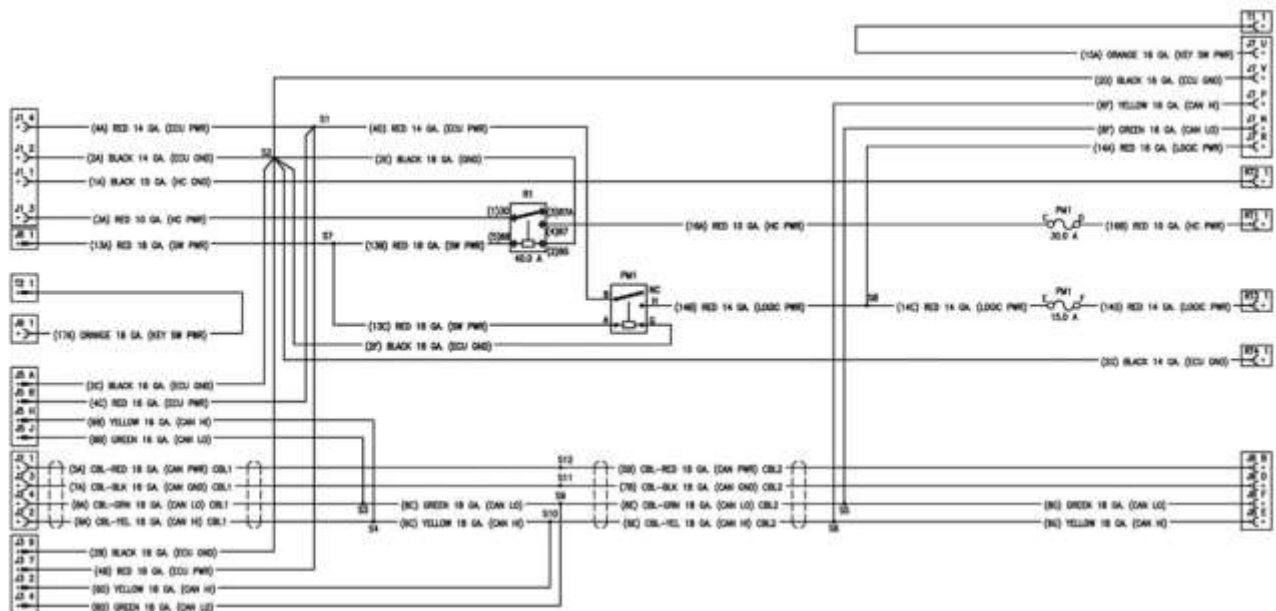
Cable, Foot Switch, 12' (632061)



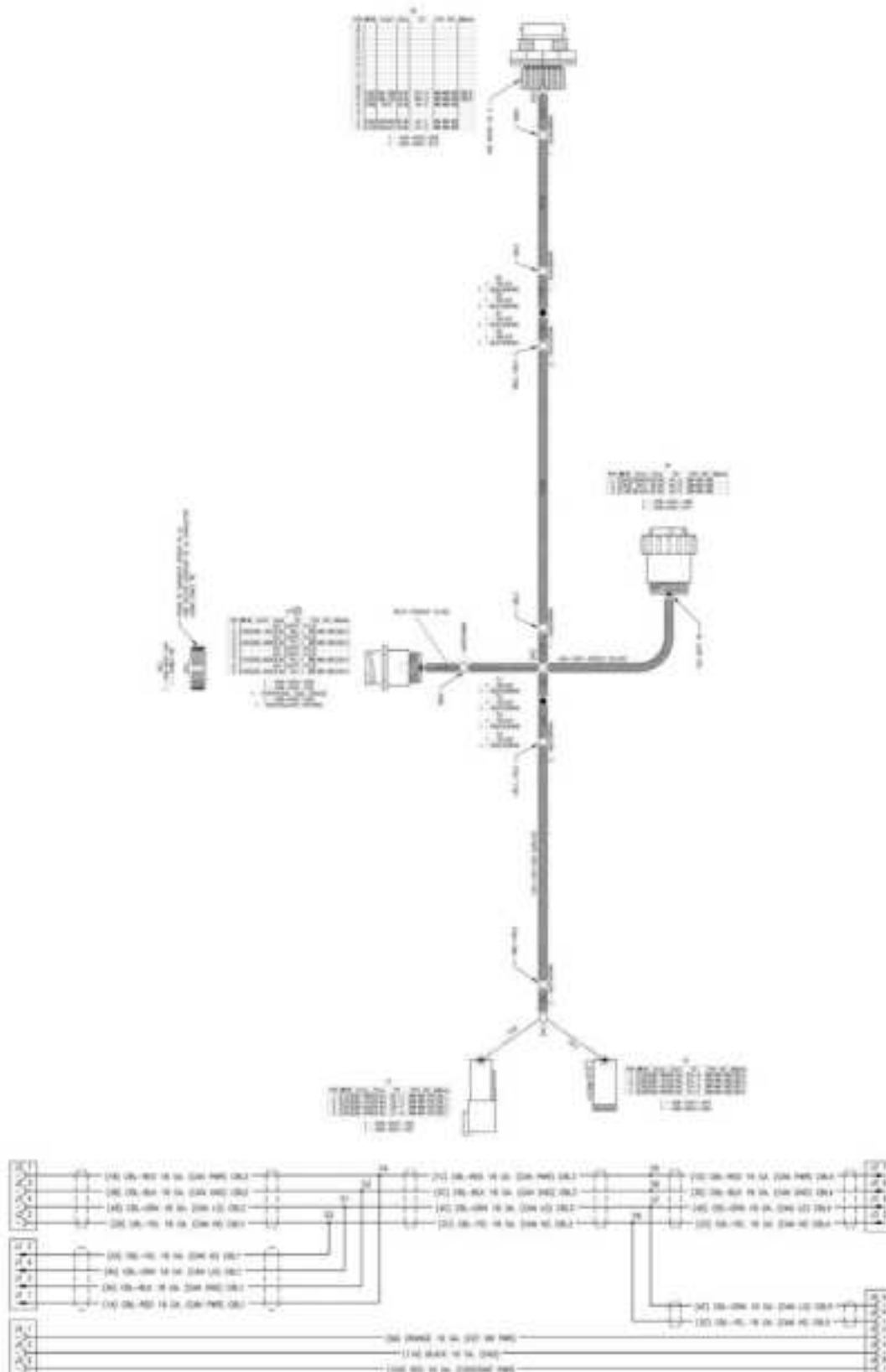
Cable, Raven ISO/Power With IBBC Connector (632064)



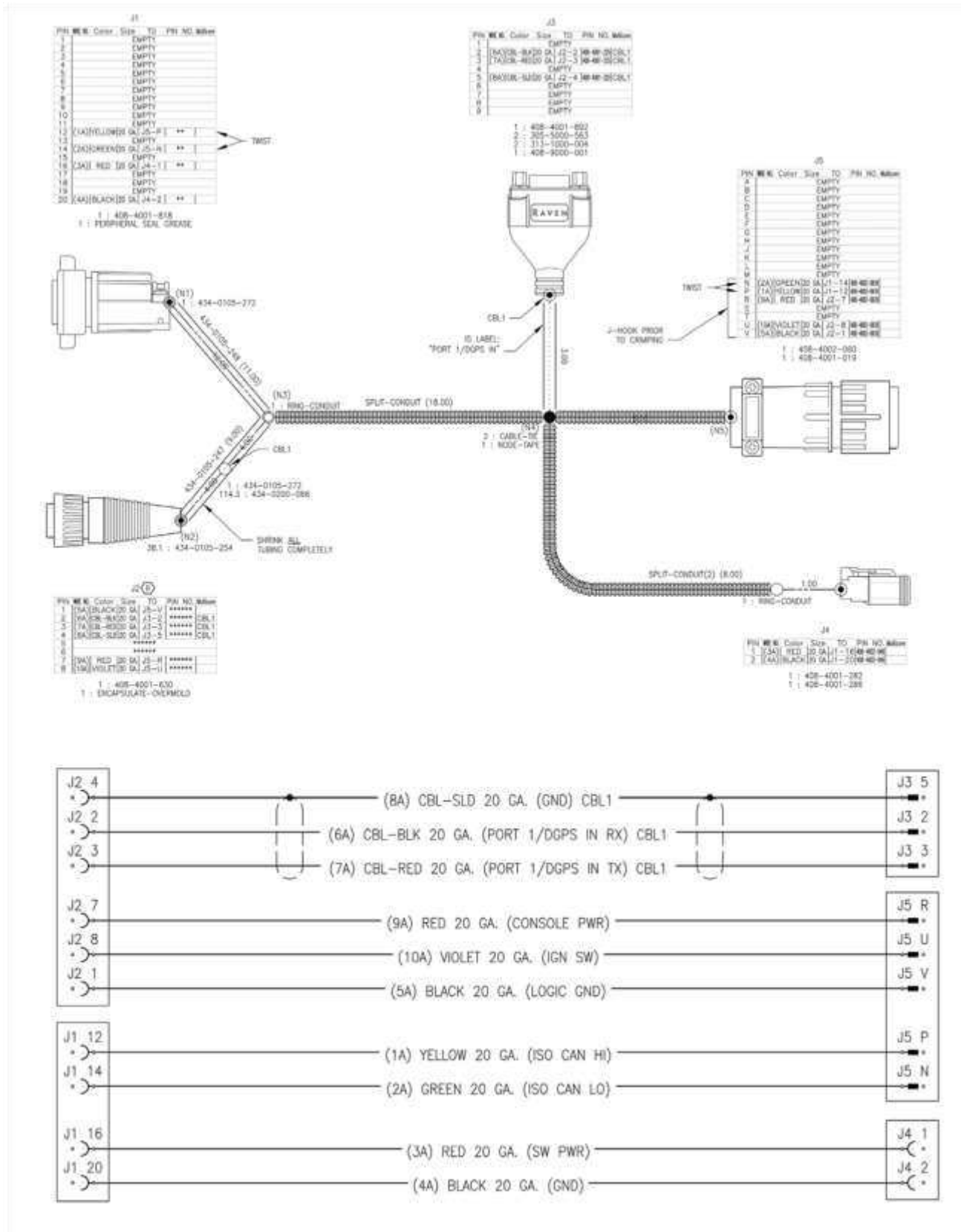
Cable, Raven ISO/Power With IBBC Connector (632064)



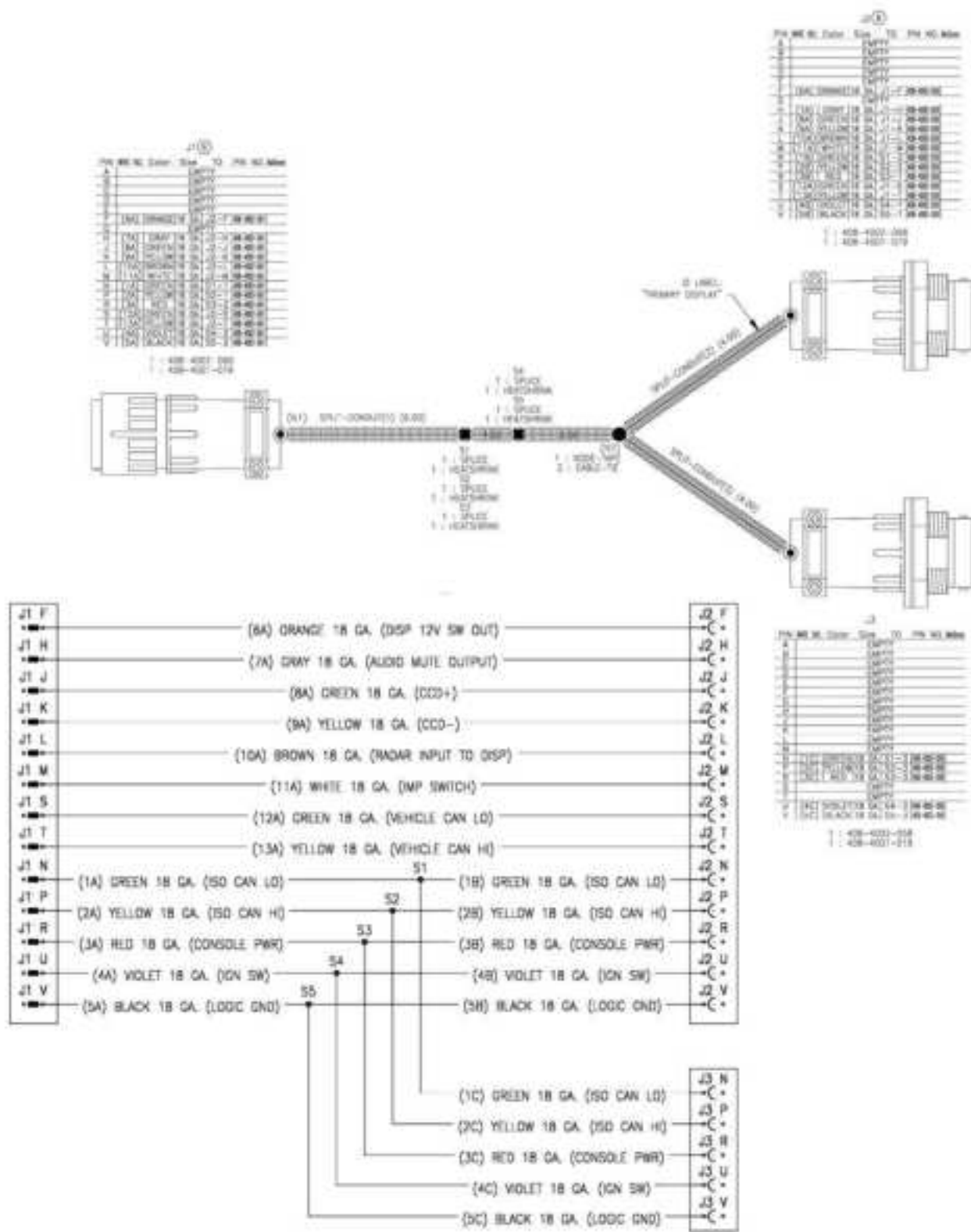
CAN/Power Cable, OEM ISO To Raven ISO Bulkhead (632065)



Cable, CR7, ISO VT Only (632066)



Cable, Display Port, Y Adapter (632067)



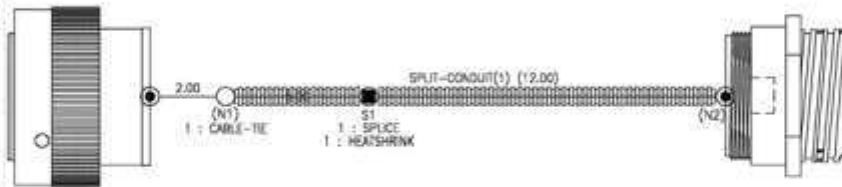
Adapter Cable, 37 Pin Console To 47 Pin Product Port (632070)

PIN	WIRE NO.	Color	Size	TO	PIN NO.	Multicores
1	0010A	BLACK	14 GA.	J1-1	408-400-318	
2	0005A	BLACK	18 GA.	J1-2	408-400-401	
3	0009B	BLACK	18 GA.	J1-3	408-400-401	
4	0013B	BLACK	14 GA.	J1-4	408-400-318	
5	0002A	RED	14 GA.	J1-5	408-400-318	
6	0006A	RED	14 GA.	J1-6	408-400-318	
7	0004B	BLACK/WHITE	18 GA.	J1-7	408-400-401	
8	0007B	BLACK/WHITE	18 GA.	J1-8	408-400-401	
9						
10						
11						
12	0098B	GRAY	18 GA.	J1-12	408-400-401	
13	0097B	BROWN	18 GA.	J1-13	408-400-401	
14						
15						
16						
17						
18	0097B	BLACK/WHITE	18 GA.	J1-18	408-400-401	
19	0098B	BLUE	18 GA.	J1-19	408-400-401	
20						
21						
22	0094B	RED	18 GA.	J1-22	408-400-401	
23	0095B	BLUE/WHITE	18 GA.	J1-23	408-400-401	
24	0097B	BROWN/WHITE	18 GA.	J1-24	408-400-401	
25						
26						
27	0097B	WHITE/BLUE	18 GA.	J1-27	408-400-401	
28	0098B	VIOLET	18 GA.	J1-28	408-400-401	
29	0095B	GRAY	18 GA.	J1-29	408-400-401	
30	0096B	BROWN	18 GA.	J1-30	408-400-401	
31						
32	0097B	RED/WHITE	18 GA.	J1-32	408-400-401	
33	0094B	RED	18 GA.	J1-34	408-400-401	
34	0095B	BLACK	18 GA.	J1-35	408-400-318	
35						
36	0098B	GRAY	18 GA.	J1-36	408-400-401	
37	0098B	BROWN	18 GA.	J1-37	408-400-401	
38	0094B	BLUE	18 GA.	J1-38	408-400-401	
39	0095B	BLACK/WHITE	18 GA.	J1-39	408-400-401	
40	0098B	BROWN/WHITE	18 GA.	J1-40	408-400-401	
41	0097B	BLUE/WHITE	18 GA.	J1-41	408-400-401	
42	0098B	WHITE/BLACK	18 GA.	J1-42	408-400-401	
43	0097B	WHITE/BROWN	18 GA.	J1-43	408-400-401	
44	0095B	WHITE/BLUE	18 GA.	J1-44	408-400-401	
45	0094B	VIOLET	18 GA.	J1-45	408-400-401	
46	0094B	WHITE/BLACK	18 GA.	J1-46	408-400-401	
47	0094B	RED/WHITE	18 GA.	J1-47	408-400-401	

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

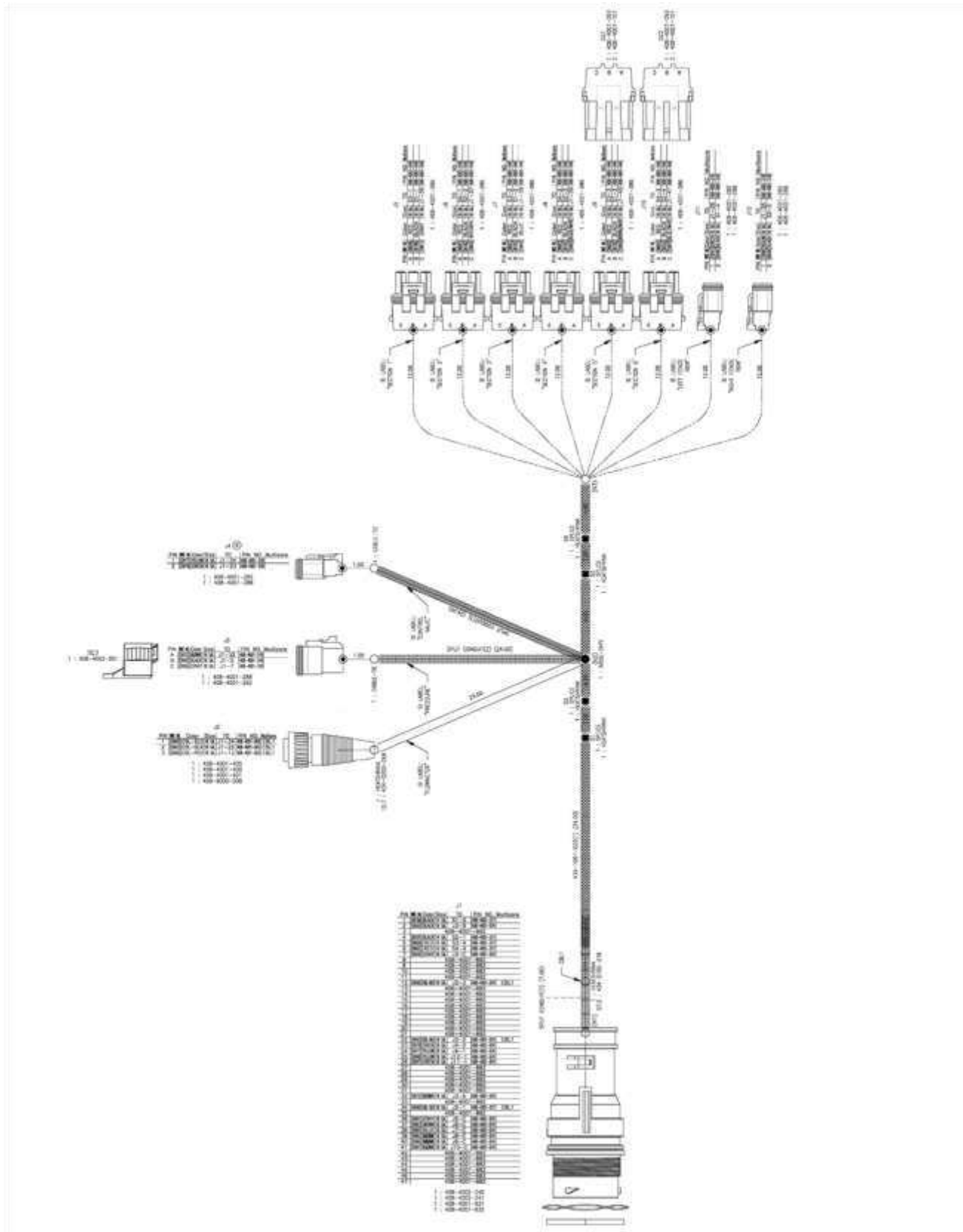
PIN	WIRE NO.	Color	Size	TO	PIN NO.	Multicores
1	0010B	BLACK	14 GA.	J1-1	408-400-318	
2	0005B	BLACK	14 GA.	J1-2	408-400-318	
3						
4	0098B	GRAY	18 GA.	J1-36	408-400-401	
5	0098B	BROWN	18 GA.	J1-37	408-400-401	
6	0094B	BLUE	18 GA.	J1-38	408-400-401	
7	0095B	BLACK/WHITE	18 GA.	J1-39	408-400-401	
8	0098B	BROWN/WHITE	18 GA.	J1-40	408-400-401	
9	0097B	BLUE/WHITE	18 GA.	J1-41	408-400-401	
10	0098B	WHITE/BLACK	18 GA.	J1-42	408-400-401	
11	0091B	WHITE/BROWN	18 GA.	J1-43	408-400-401	
12	0095B	WHITE/BLUE	18 GA.	J1-44	408-400-401	
13	0094B	VIOLET	18 GA.	J1-45	408-400-401	
14	0097B	BLACK/WHITE	18 GA.	J1-46	408-400-401	
15	0078B	WHITE/BLACK	18 GA.	J1-23	408-400-401	
16	0077B	BROWN/WHITE	18 GA.	J1-24	408-400-401	
17	0044B	WHITE/BLACK	18 GA.	J1-46	408-400-401	
18	0043B	WHITE/BROWN	18 GA.	J1-47	408-400-401	
19	0078B	WHITE/BLUE	18 GA.	J1-27	408-400-401	
20	0058B	VIOLET	18 GA.	J1-28	408-400-401	
21	0060B	BLACK	18 GA.	J1-34	408-400-401	
22	0063B	RED	18 GA.	J1-32	408-400-401	
23	0067B	BROWN	18 GA.	J1-33	408-400-401	
24	0048B	BLUE	18 GA.	J1-19	408-400-401	
25						
26	0095B	GRAY	18 GA.	J1-29	408-400-401	
27	0095B	BROWN	18 GA.	J1-30	408-400-401	
28	0060B	GRAY	18 GA.	J1-34	408-400-401	
29	0005B	BLACK	18 GA.	J1-35	408-400-318	
30	0072B	RED/WHITE	18 GA.	J1-32	408-400-401	
31	0058B	BLACK/WHITE	18 GA.	J1-39	408-400-401	
32						
33						
34	0062B	RED	18 GA.	J1-33	408-400-401	
35	0057B	BLUE/WHITE	18 GA.	J1-8	408-400-401	
36	0064B	RED	14 GA.	J1-5	408-400-318	
37	0062B	RED	14 GA.	J1-6	408-400-318	

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

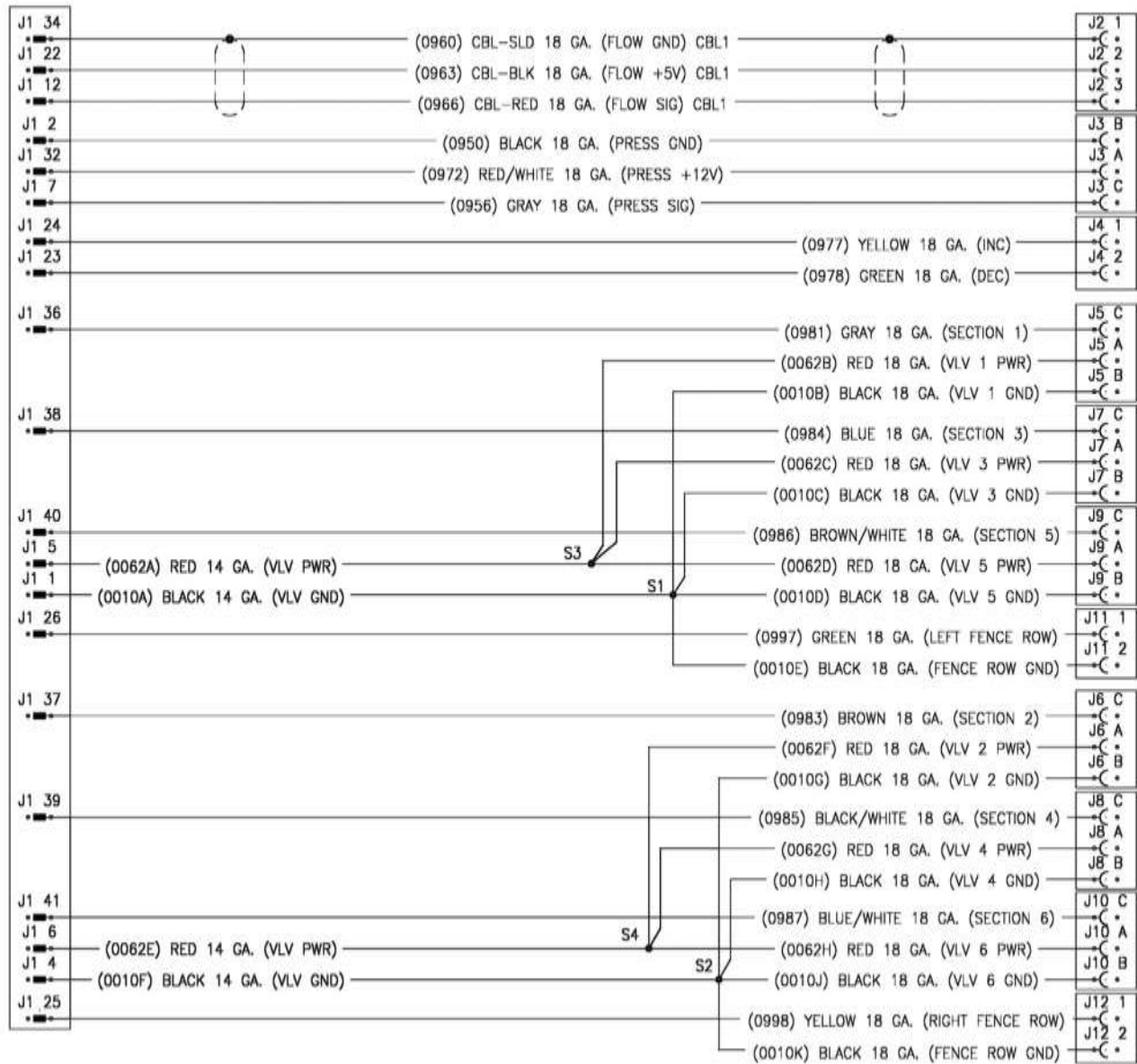


J1 5 +	(0062A) RED 14 GA. (HC PWR)	J2 38
J1 6 +	(0062B) RED 14 GA. (HC PWR)	J2 37
J1 1 +	(0010A) BLACK 14 GA. (HC GND)	J2 1
J1 4 +	(0010B) BLACK 14 GA. (HC GND)	J2 2
J1 2 +	(0900A) BLACK 18 GA. (SENSOR RTN)	J2 29
J1 3 +	(0950B) BLACK 18 GA. (SENSOR RTN)	
J1 32 +	(0972) RED/WHITE 18 GA. (SNSR B/10/12V PWR)	J2 30
J1 36 +	(0981) GRAY 18 GA. (DRIVER 1)	J2 4
J1 37 +	(0983) BROWN 18 GA. (DRIVER 2)	J2 5
J1 38 +	(0984) BLUE 18 GA. (DRIVER 3/INPUT 22)	J2 6
J1 39 +	(0985) BLACK/WHITE 18 GA. (DRIVER 4/INPUT 12)	J2 7
J1 40 +	(0986) BROWN/WHITE 18 GA. (DRIVER 5)	J2 8
J1 41 +	(0987) BLUE/WHITE 18 GA. (DRIVER 6)	J2 9
J1 42 +	(0988) WHITE/BLACK 18 GA. (DRIVER 7/INPUT 21)	J2 10
J1 43 +	(0991) WHITE/BROWN 18 GA. (DRIVER 8/INPUT 10)	J2 11
J1 44 +	(0993) WHITE/BLUE 18 GA. (DRIVER 9)	J2 12
J1 45 +	(0994) VIOLET 18 GA. (DRIVER 10)	J2 13
J1 29 +	(0995) GRAY 18 GA. (DRIVER 11)	J2 26
J1 30 +	(0996) BROWN 18 GA. (DRIVER 12)	J2 27
J1 12 +	(0966) GRAY 18 GA. (INPUT 1)	J2 28
J1 13 +	(0967) BROWN 18 GA. (INPUT 2)	J2 23
J1 7 +	(0956) BLACK/WHITE 18 GA. (INPUT 14)	J2 31
J1 8 +	(0957) BLUE/WHITE 18 GA. (INPUT 16)	J2 35
J1 18 +	(0947) BLACK/WHITE 18 GA. (INPUT 24)	J2 14
J1 19 +	(0948) BLUE 18 GA. (INPUT 13)	J2 24
J1 34 +	(0980) BLACK 18 GA. (SENSOR RTN)	J2 21
J1 24 +	(0977) BROWN/WHITE 18 GA. (DRIVER 15)	J2 16
J1 46 +	(0944) WHITE/BLACK 18 GA. (DRIVER 17/INPUT 19)	J2 17
J1 47 +	(0945) WHITE/BROWN 18 GA. (DRIVER 18/INPUT 20)	J2 18
J1 22 +	(0963) RED 16 GA. (SNSR 5V PWR)	J2 22
J1 23 +	(0978) BLUE/WHITE 18 GA. (DRIVER 16)	J2 15
J1 33 +	(0962) RED 18 GA. (SENSOR 12V PWR)	J2 34
J1 27 +	(0976) WHITE/BLUE 18 GA. (DRIVER 19/INPUT 8)	J2 19
J1 28 +	(0958) VIOLET 18 GA. (DRIVER 20/INPUT 6)	J2 20

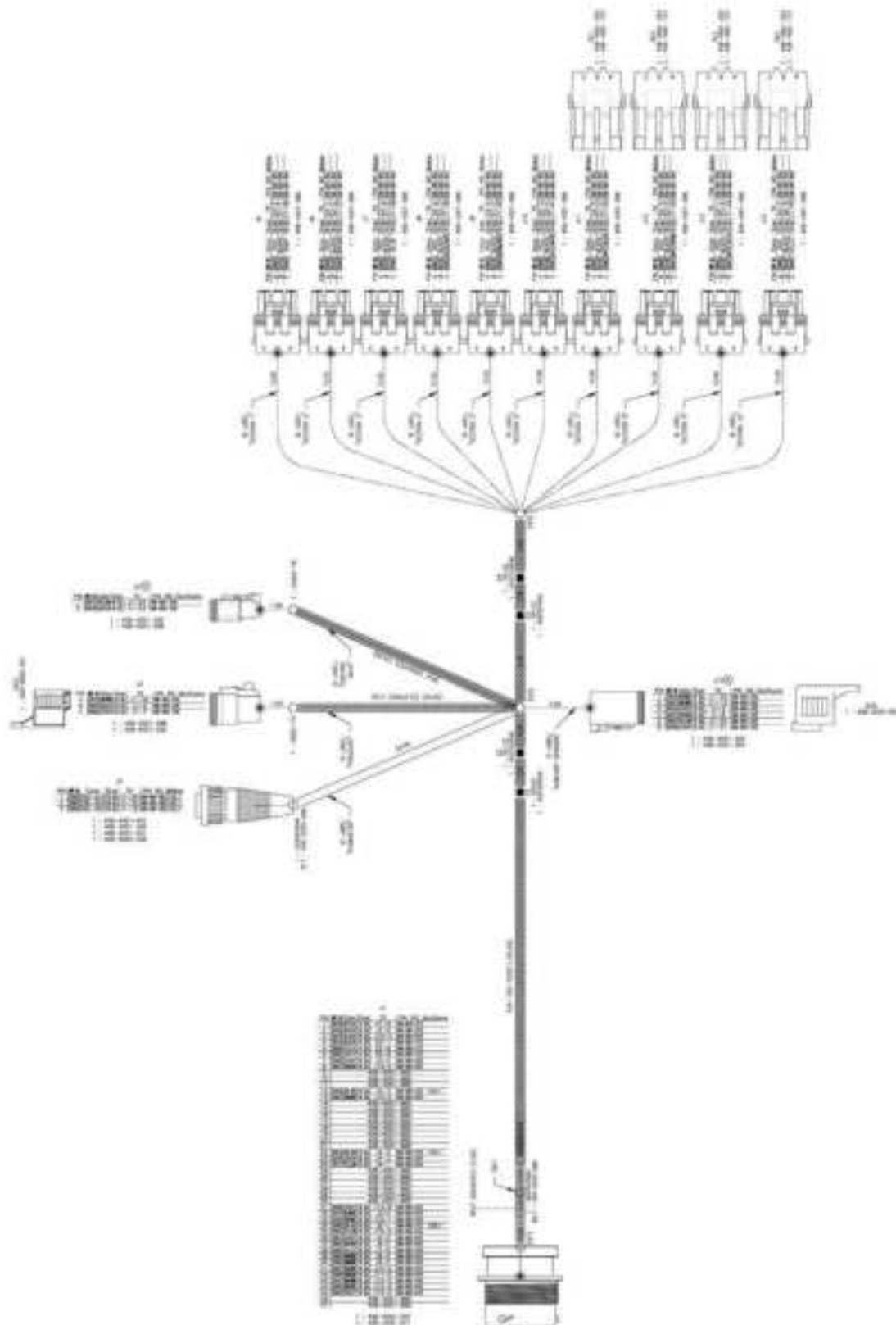
Product Cable, 47 Pin, 6 Section, Liquid, FAST, Center Mount (632077)



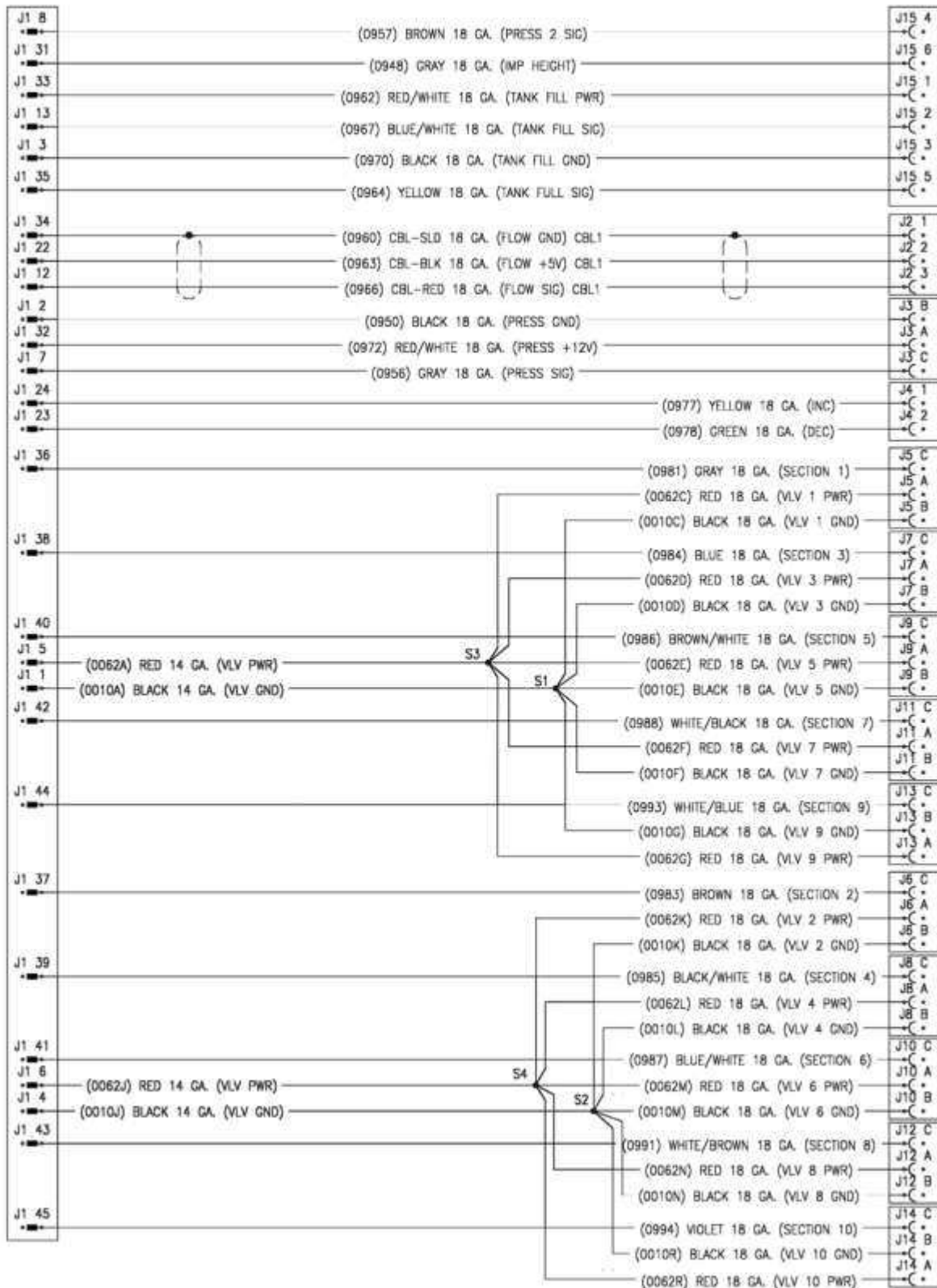
Product Cable, 47 Pin, 6 Section, Liquid, FAST, Center Mount (632077)



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

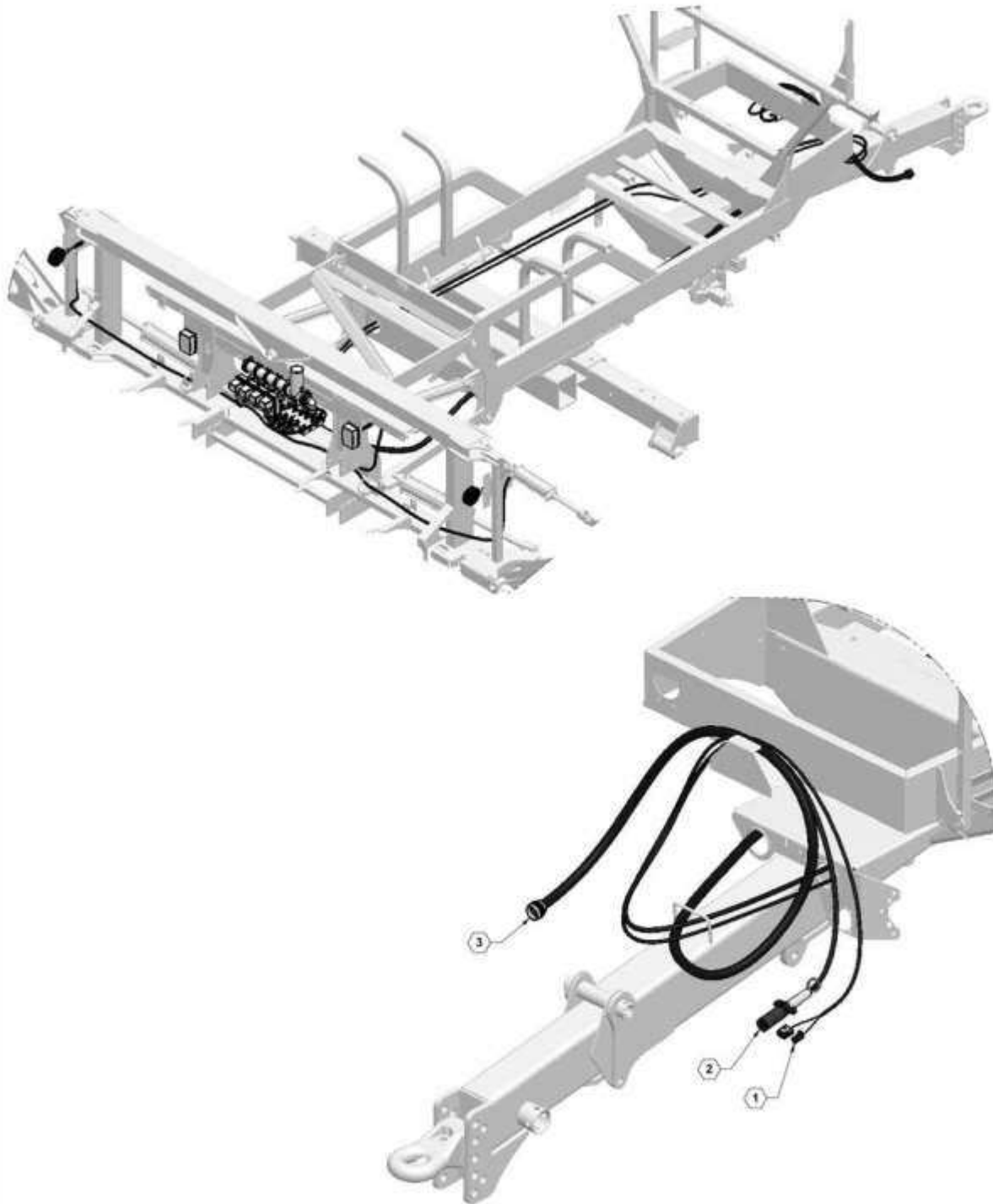


Product Cable, 47 Pin, 10 Section, Liquid, FAST 6'(632078)



9613TF Harness Identification & Location

9613TF-80 HARNESS I.D. & LOCATION

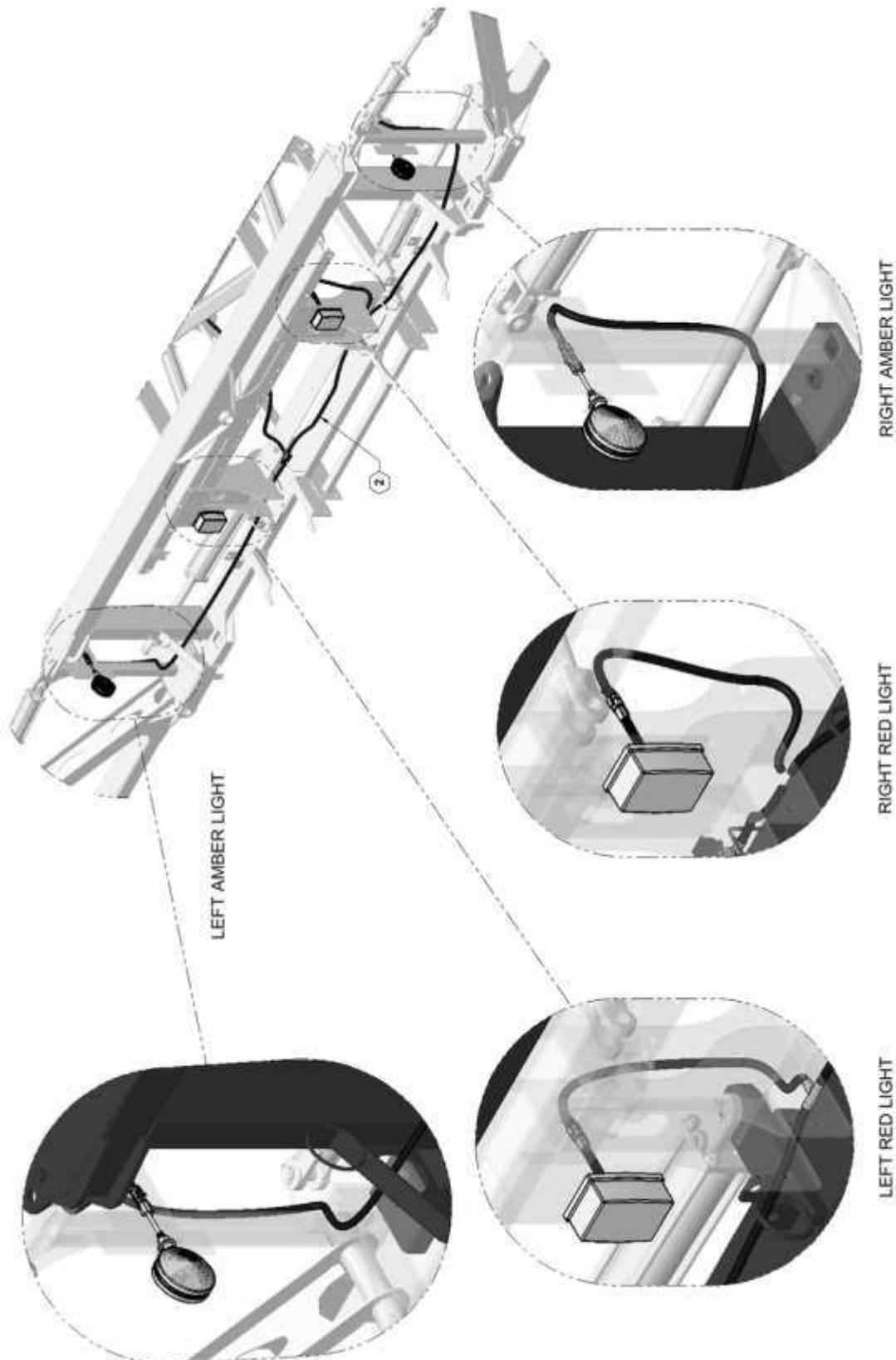


9613TF Harness Identification & Location Parts List

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

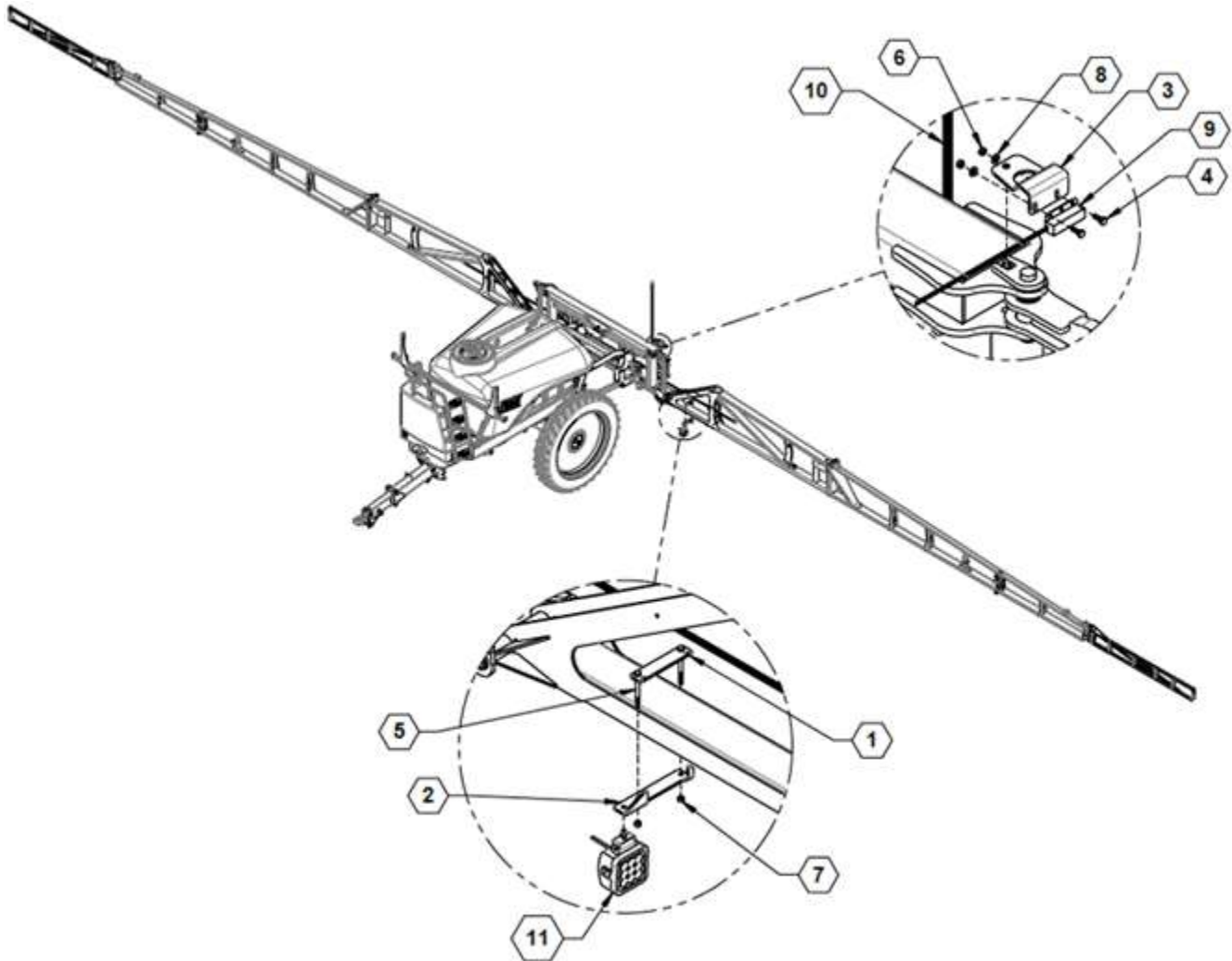
LIGHTING HARNESS



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

Blue Lights



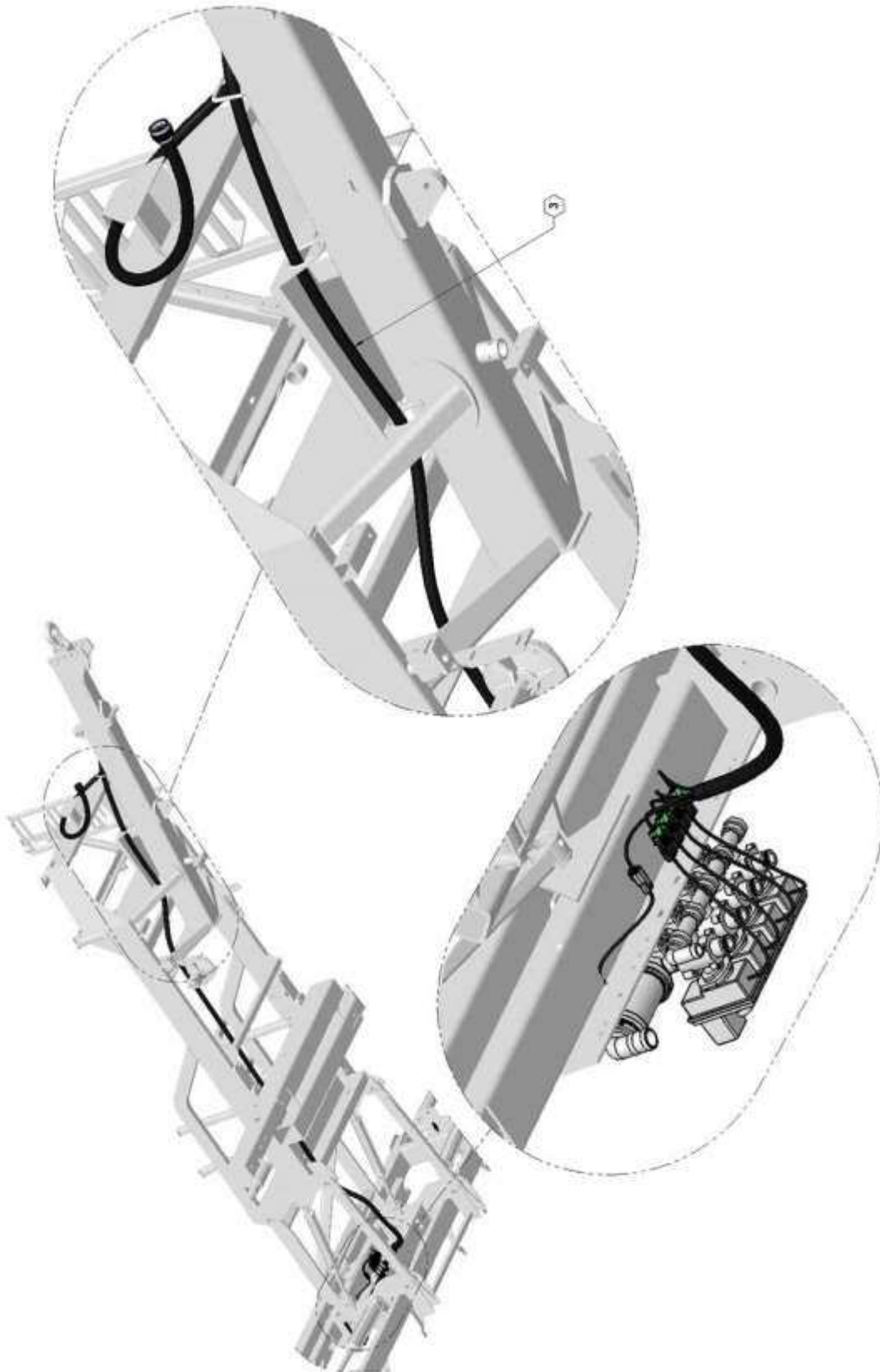
Blue Lights Parts List 28959

ITEM	PART NO.	QTY.	DESCRIPTION
1	28747	2	PLATE, LIGHT MOUNT TOP
2	28748	2	PLATE, TF LIGHT MOUNT
3	28970	1	PLATE, PROX SWITCH MOUNT
4	596101M	2	BOLT, HH 1/4-20X3/4 GR5 MAGNI
5	596134M	4	BOLT, HH 3/8-16 X 4 GR5 MAGNI
6	596235M	2	NUT, CENTERLOCK, 1/4-20 MAGNI
7	596237M	4	NUT, CENTERLOCK 3/8-16 MAGNI
8	596256M	2	WASHER, FLAT 1/4 USS MAGNI
9	632121	1	PROX SWITCH, PARKER
10	740057	1	HARNESS, BLUE SPRAY LIGHTS
11	740058	2	LARSEN BLUE LED SPRAY LIGHT



Product Control Harness Routing

PRODUCT CONTROL HARNESS

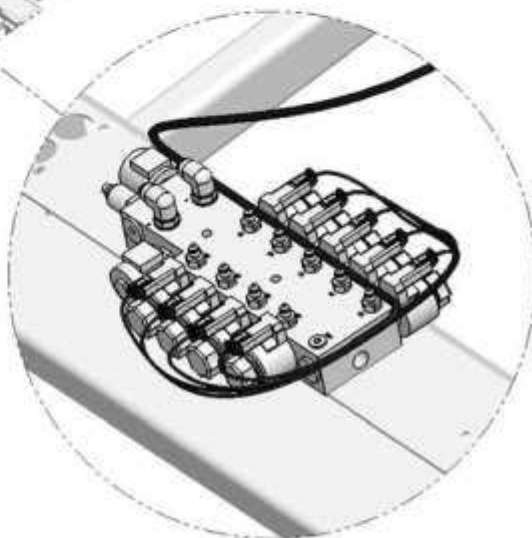
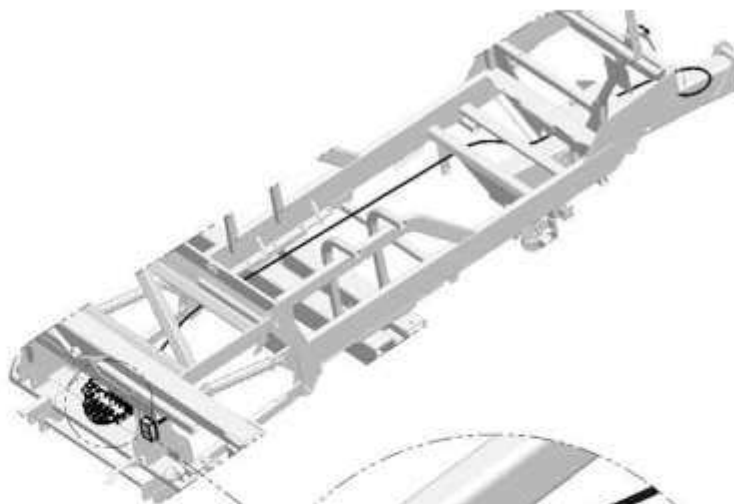


Product Control Harness Routing Parts List

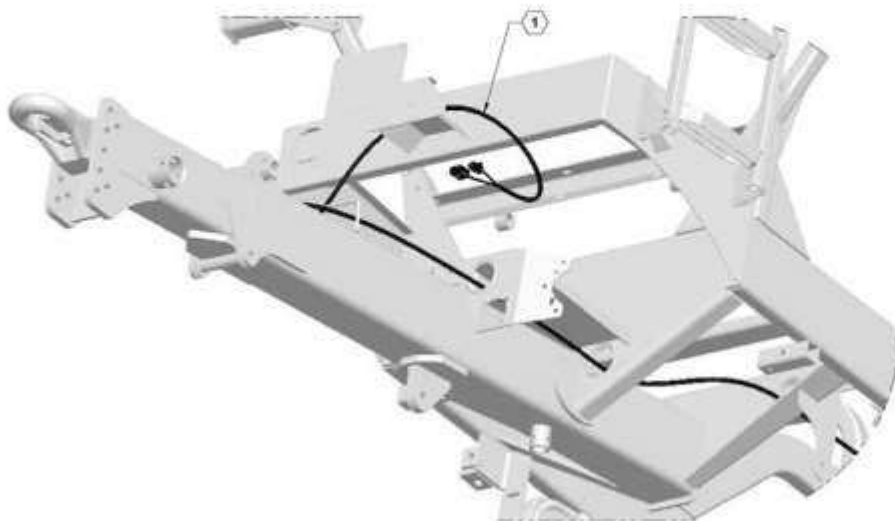
ITEM	PART NO.	QTY.	DESCRIPTION
1	319-668	1	FOLD HARNESS, 60' - 66' BOOMS
1	319-724	1	FOLD HARNESS, 80', 90' & 100' BOOMS
2	740035	1	LIGHTING HARNESS
3	632077	1	PRODUCT CONTROL HARNESS, 6 SECTION
3	632078	1	PRODUCT CONTROL HARNESS, 10 SECTION

Fold Harness Routing

FOLD HARNESS



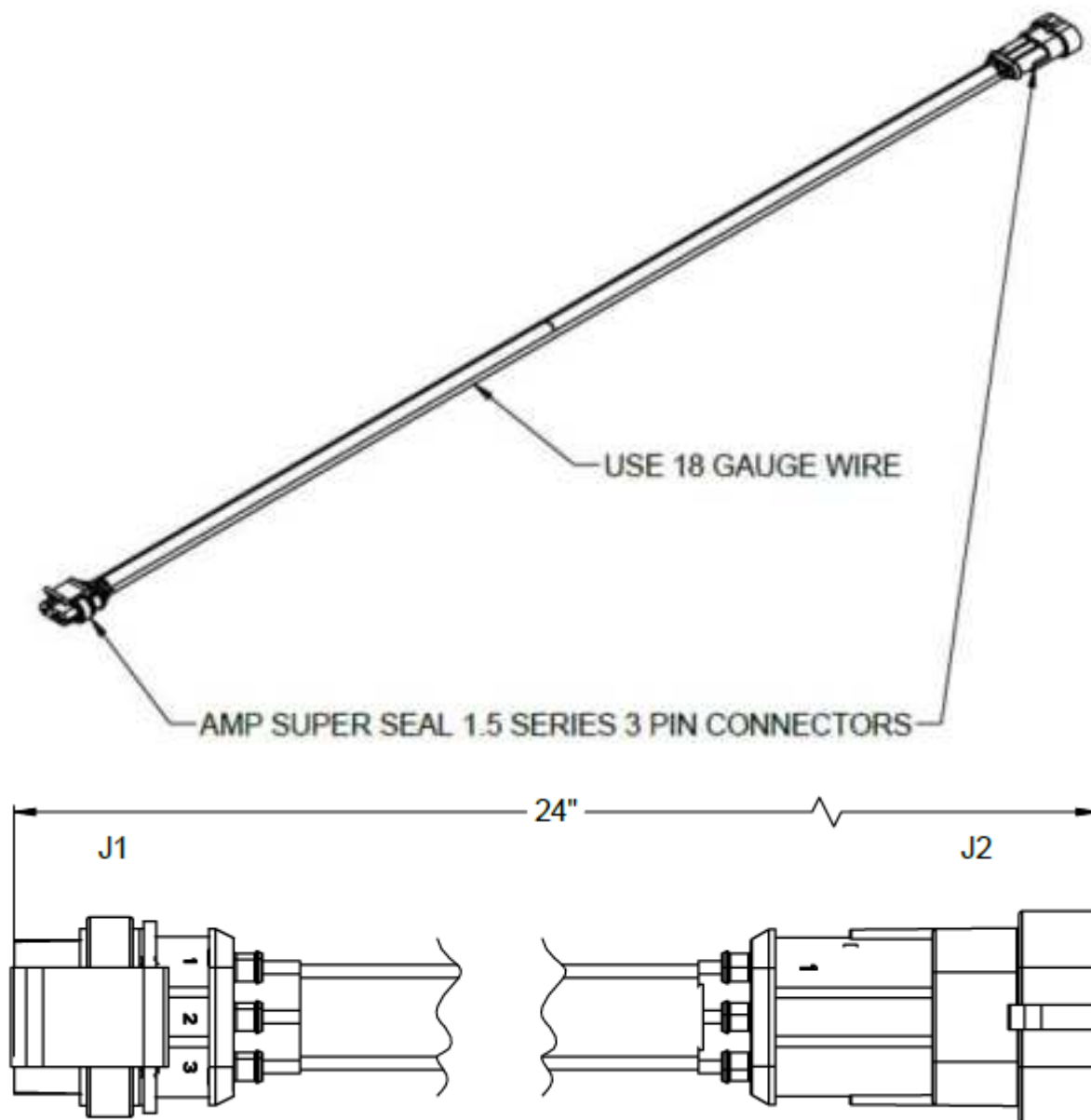
FOLD BLOCK



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

Harness Extension, Rotary Sensor



Parts List 37522: Harness Extension, Rotary Sensor

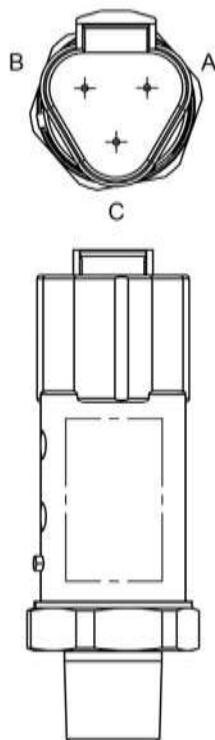
ITEM	PART NO.	QTY.	DESCRIPTION
2	560044	2	LOOM, 1/4" ID, 1' LONG
3	632167	3	METRIPACK 150.2 FEMALE PIN
4	632169	1	AMP 1.5 SRS 3 PIN CAP HOUSING
5	632170	6	AMP 1.5 SRS 3 PIN CABLE SEAL
6	632171	3	AMP 1.5 SRS 3 PIN TERMINAL PIN

Harness Extension, 2-Pin Deutsch



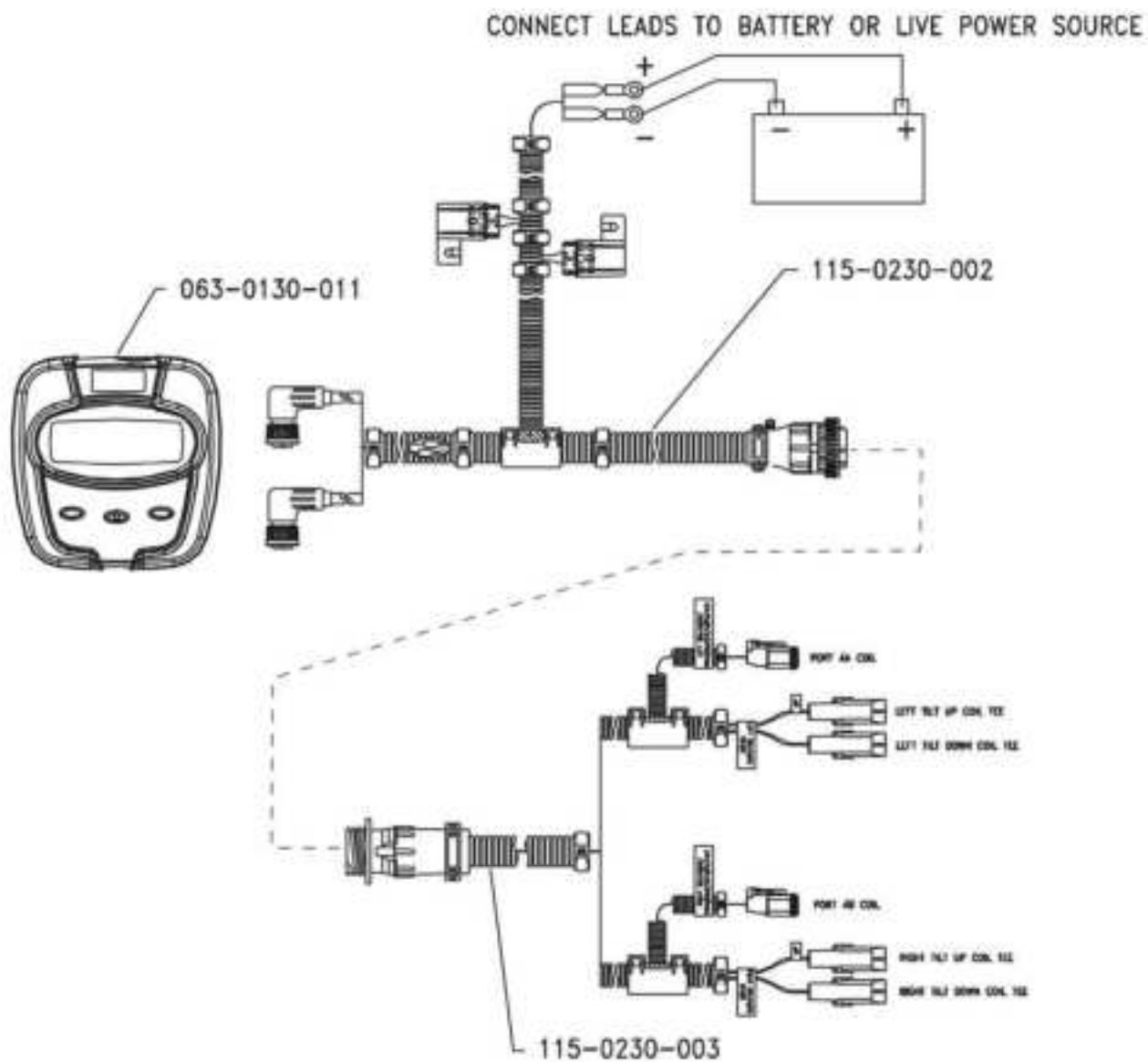
Parts List 37523: Harness Extension, 2-Pin Deutsch

ITEM	PART NO.	QTY.	DESCRIPTION
1	DT06-2S	1	MALE DEUTSCH 2 PIN
2	DT04-2P	1	FEMALE DEUTSCH 2 PIN
3	0460-202-16141	2	DEUTSCH MALE PIN 16-20 GA
4	0462-201-16141	2	DEUTSCH FEMALE SOCKET 16-20 GA
5	W2P	1	DEUTSCH DT 2 PIN WEDGELOCK
6	W2S	1	DEUTSCH DT 2 PIN WEDGE LOCK PLUG
7	WG18	1	RED - 18 GA WIRE
8	WG18	1	BLACK - 18 GA WIRE
9	560044	2	LOOM, 1/4" ID, 1' LONG

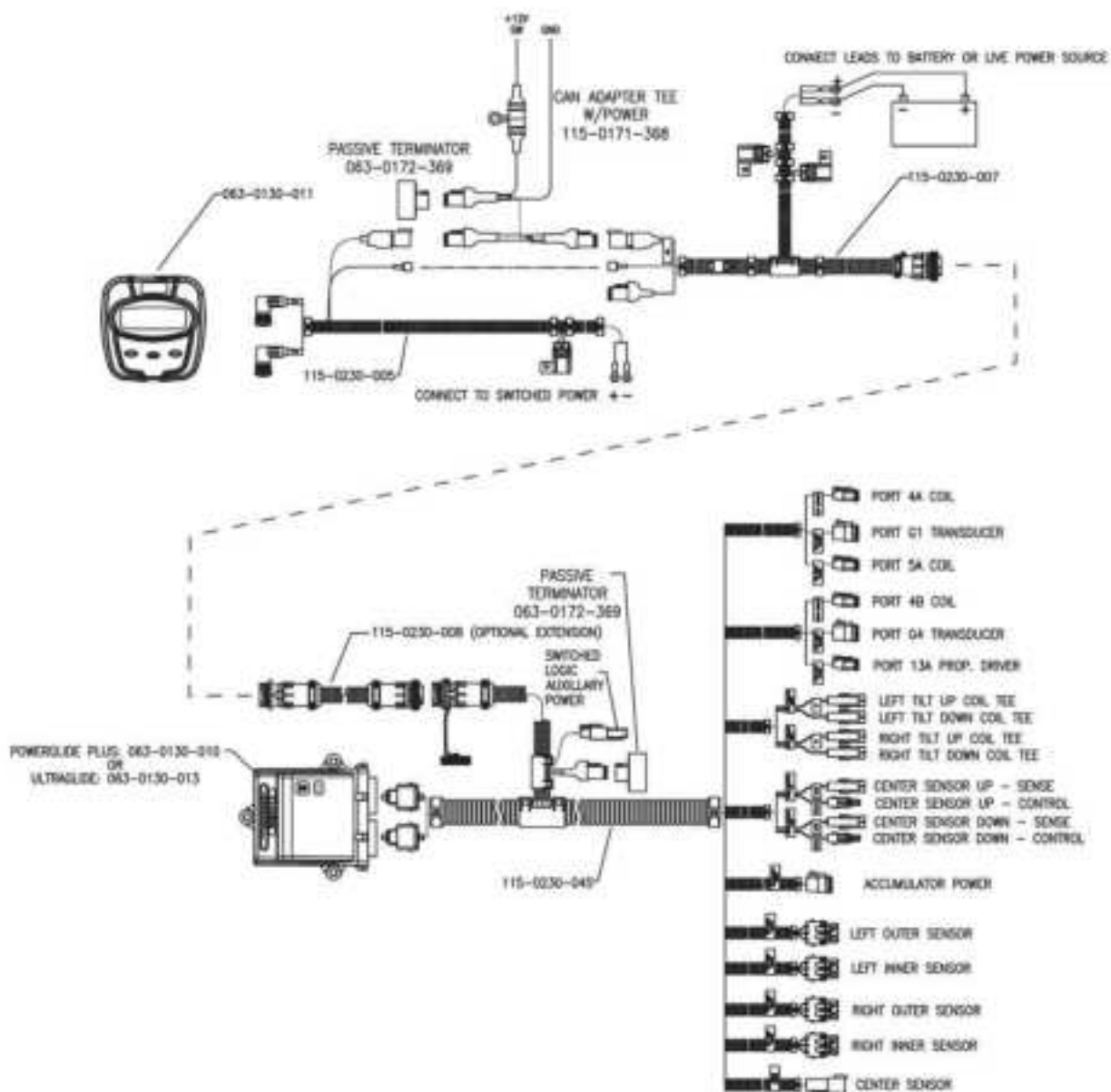
Pressure Transducer Kit**Pressure Transducer Kit Parts List**

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

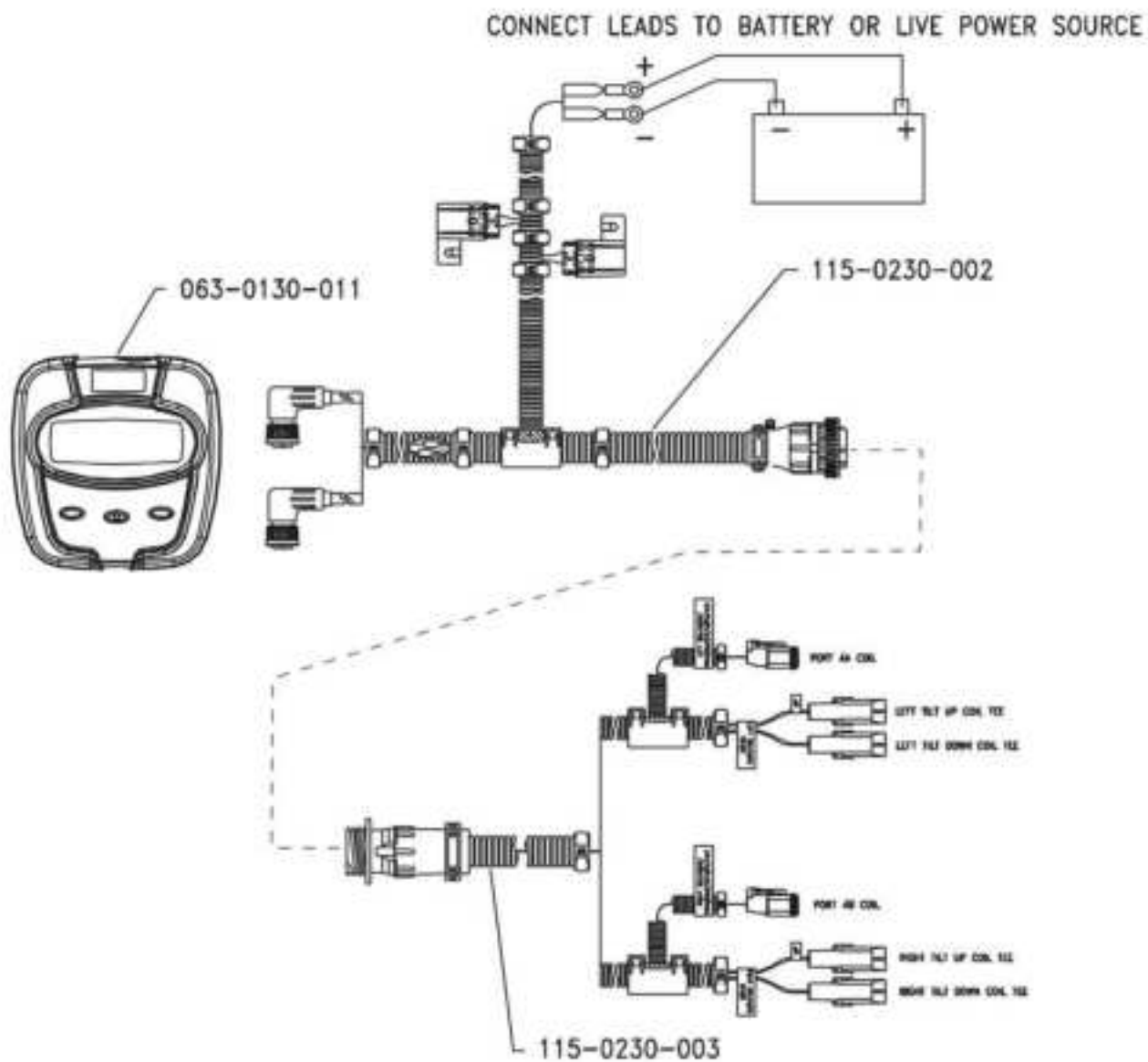
Powerglide Wiring Schematic

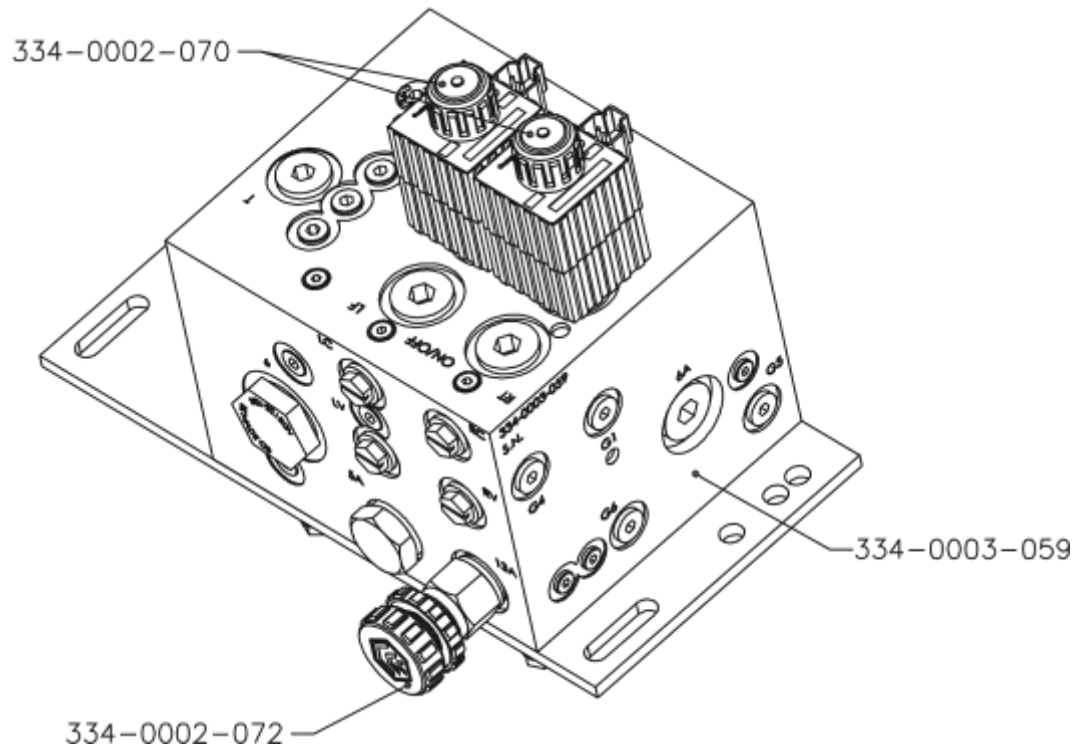


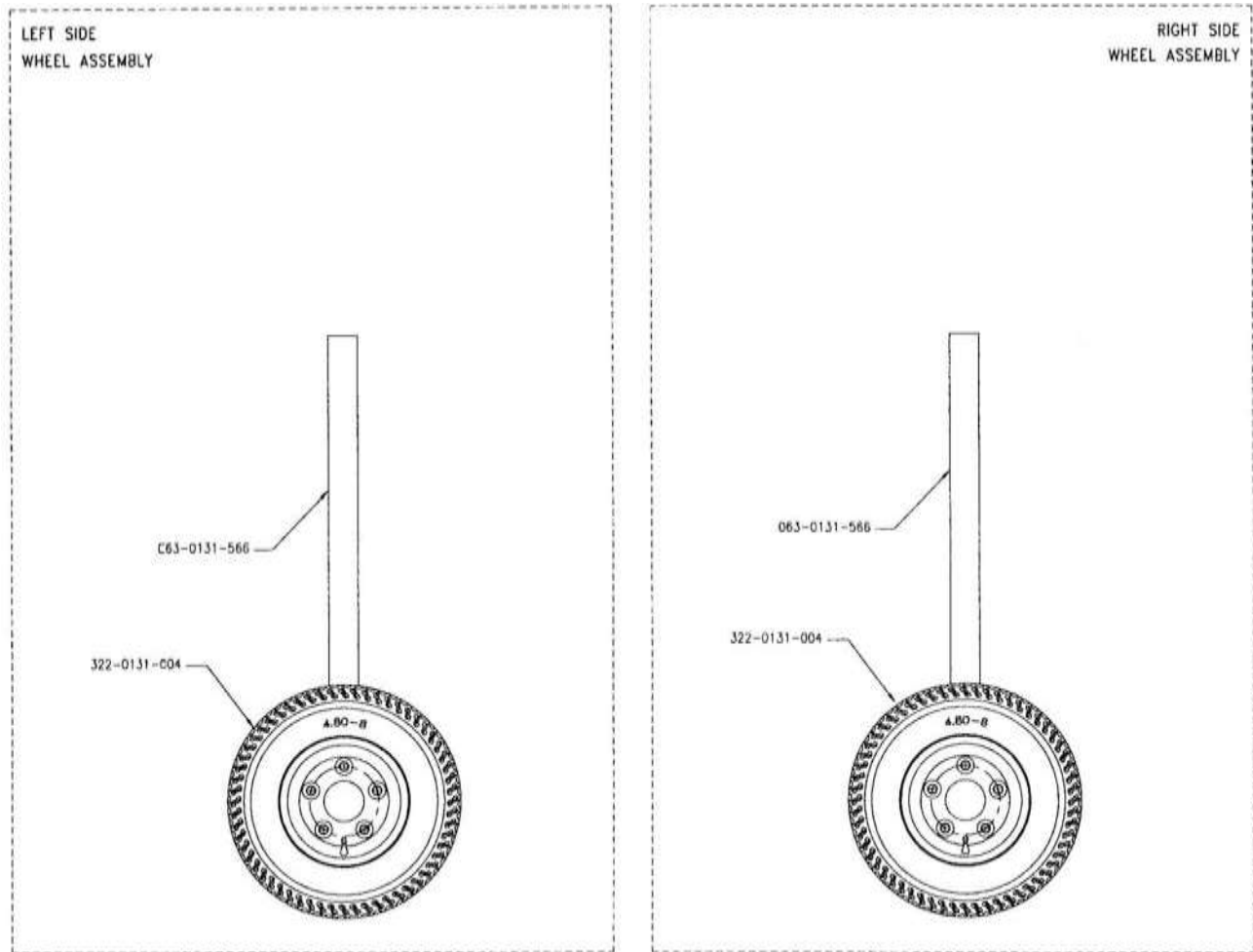
Powerglide Plus Wiring Schematic

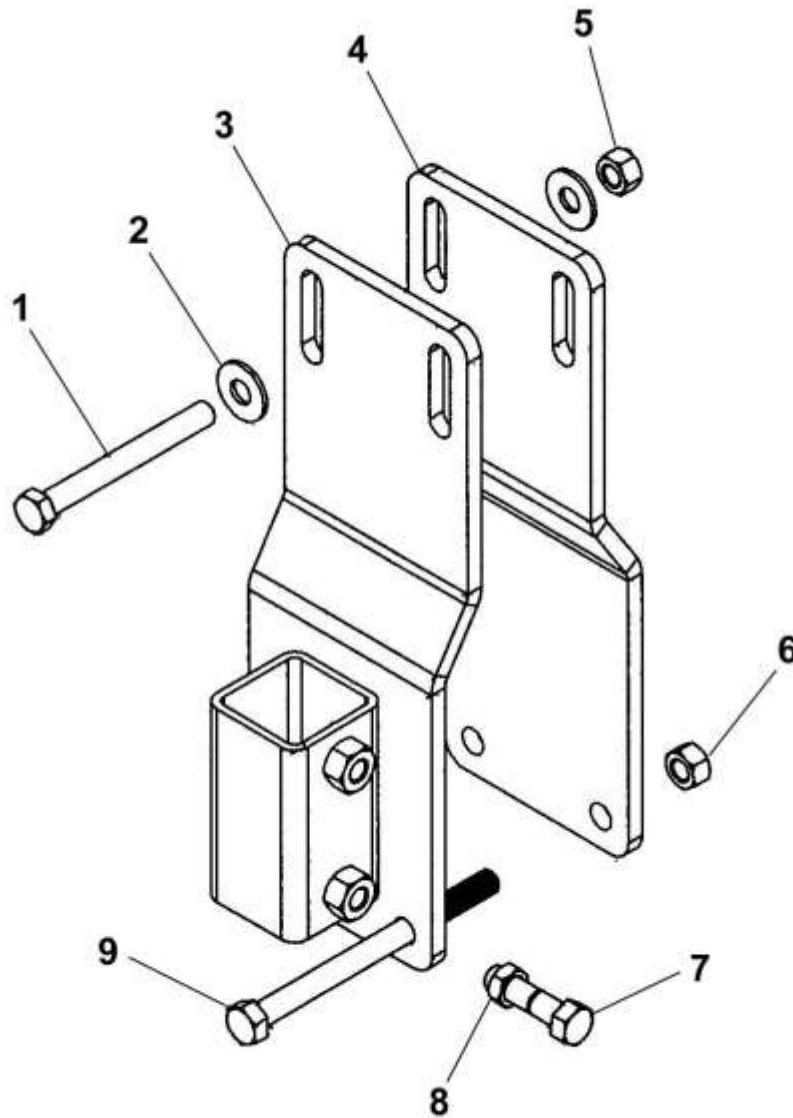


Powerglide Wiring Schematic



Powerglide Hydraulic Block

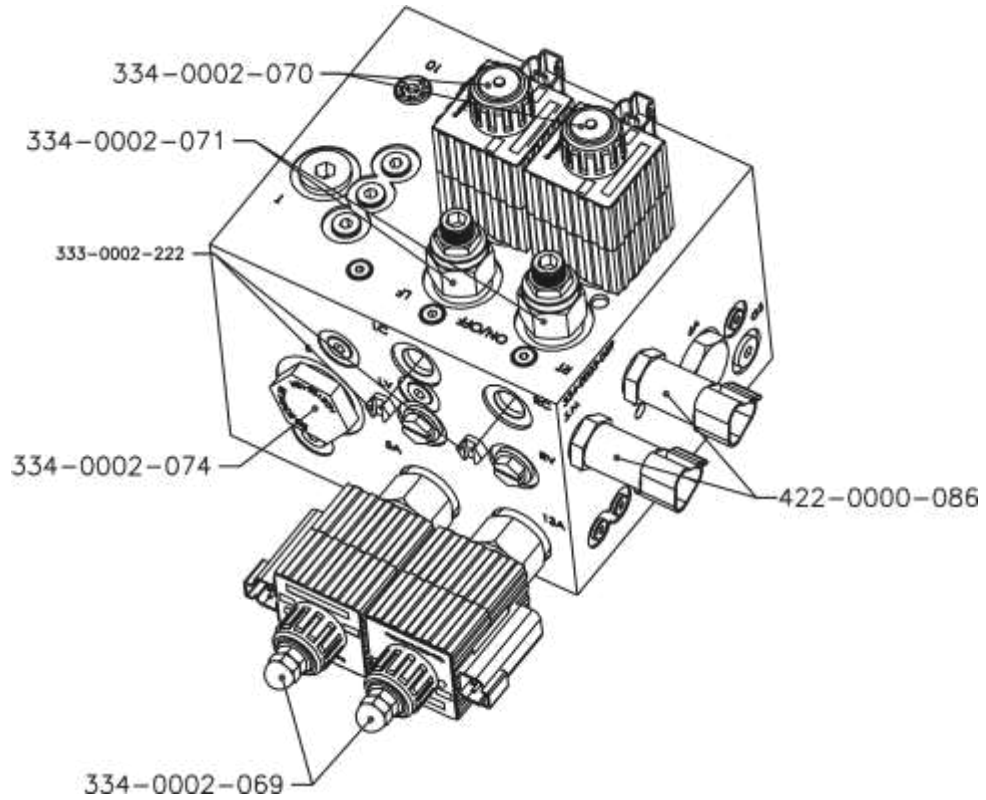
Powerglide Solid Axle

Powerglide & Powerglide Plus Mounting Brackets

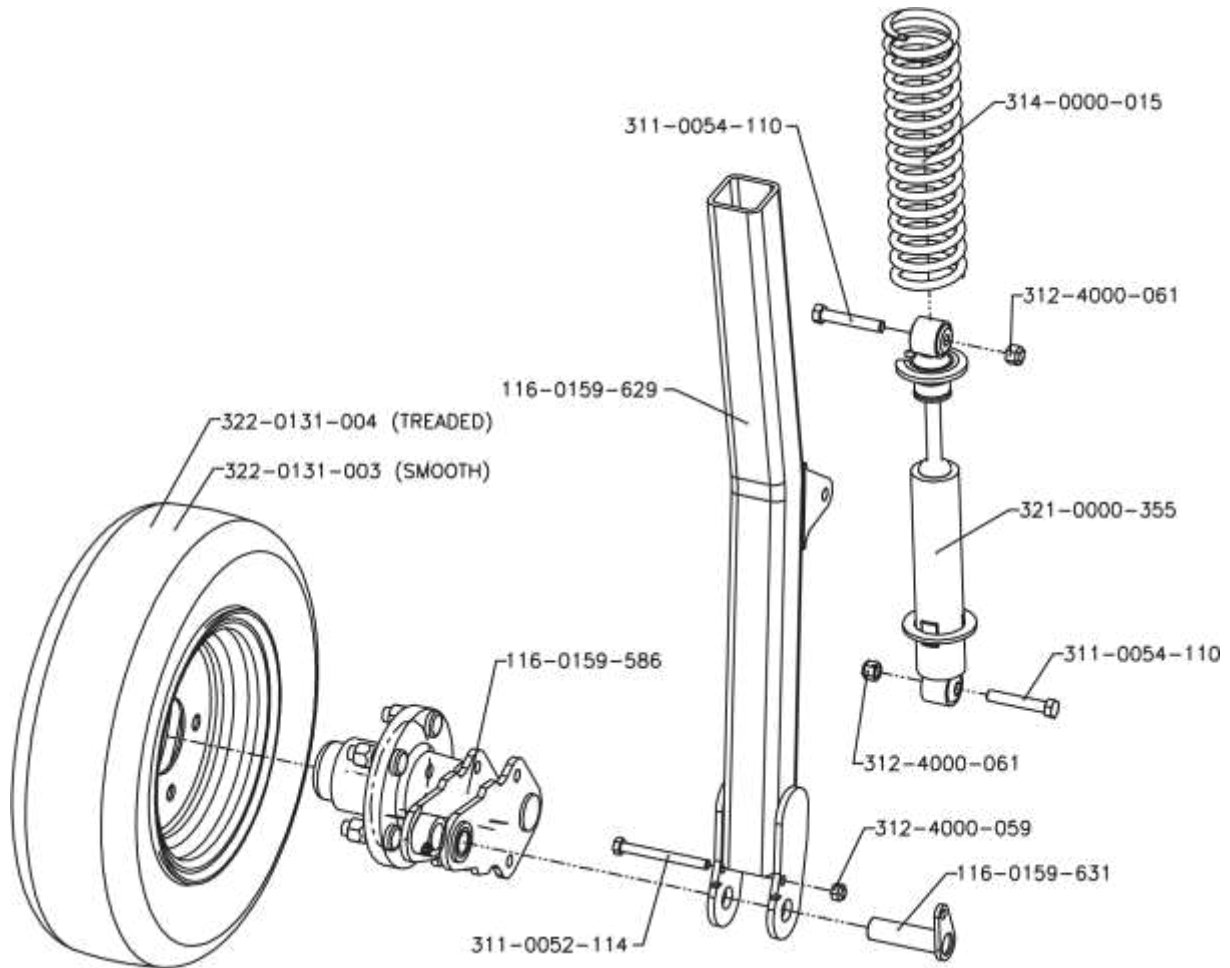
Powerglide & Powerglide Plus Mounting Brackets Parts List

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

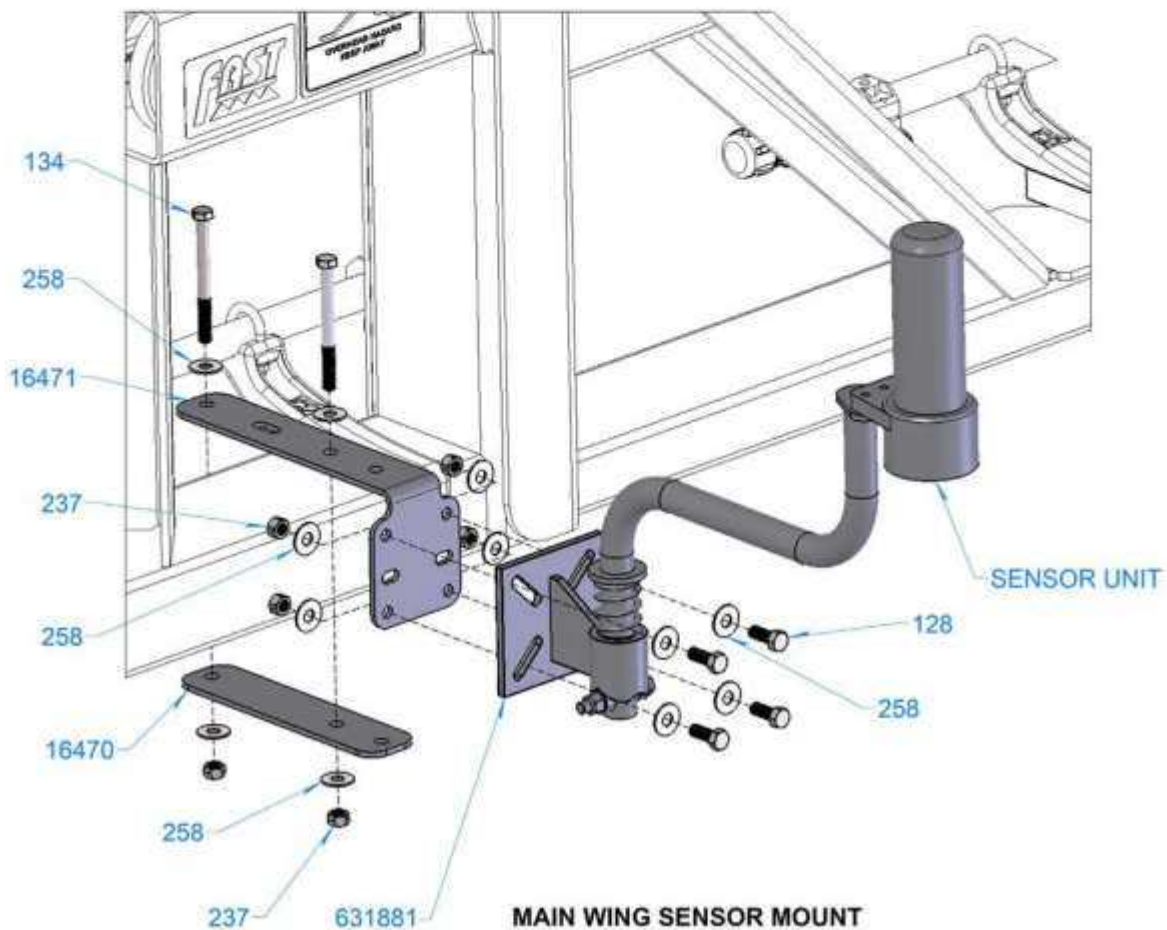
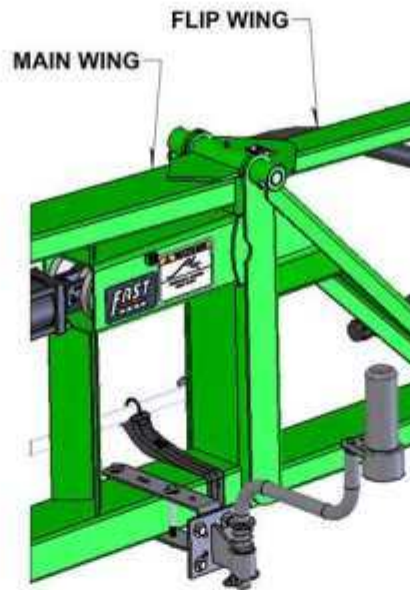
Powerglide Plus Hydraulic Block



Powerglide Plus Cushioned Axle

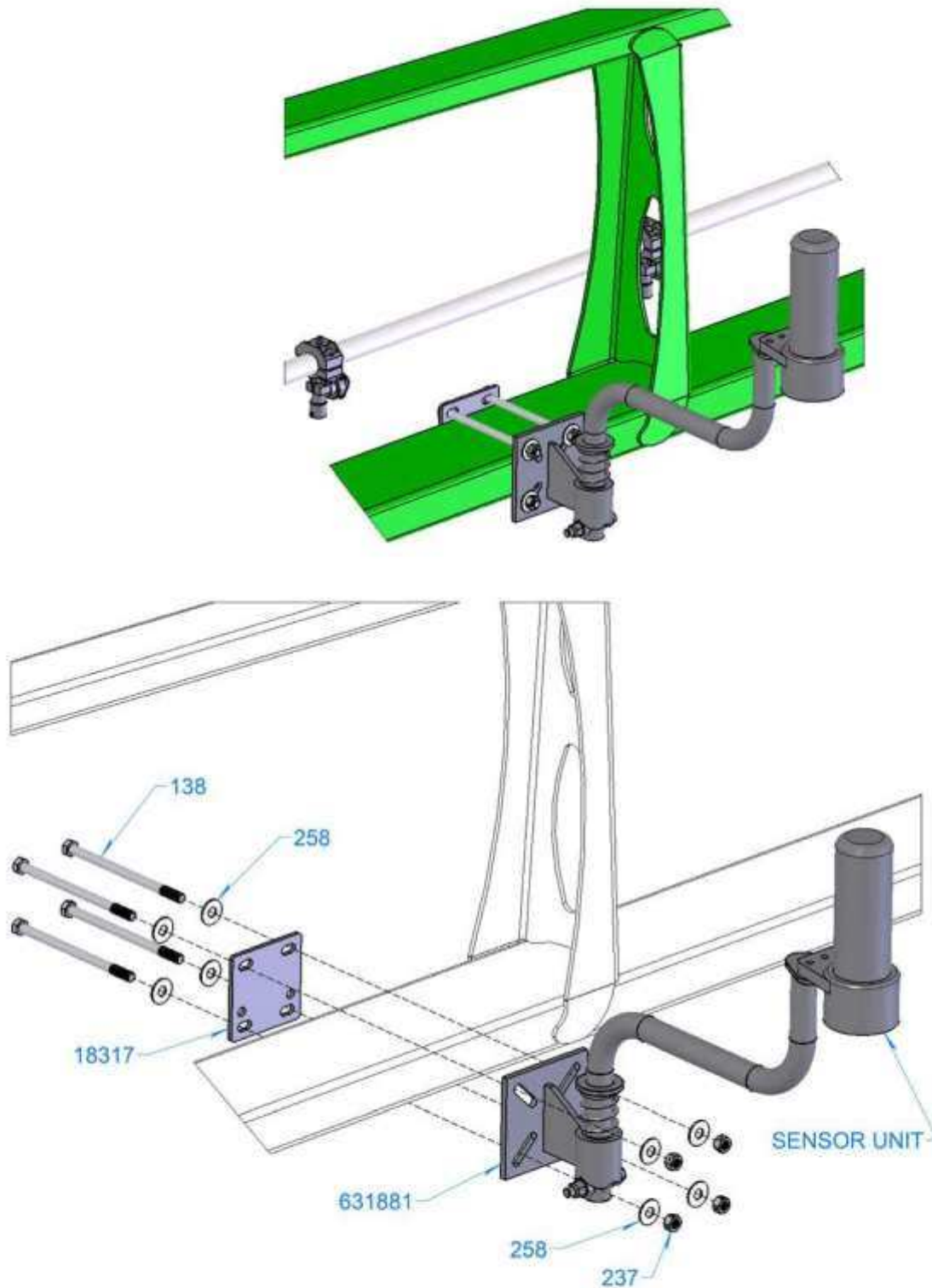


Raven Sensor Mounts



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



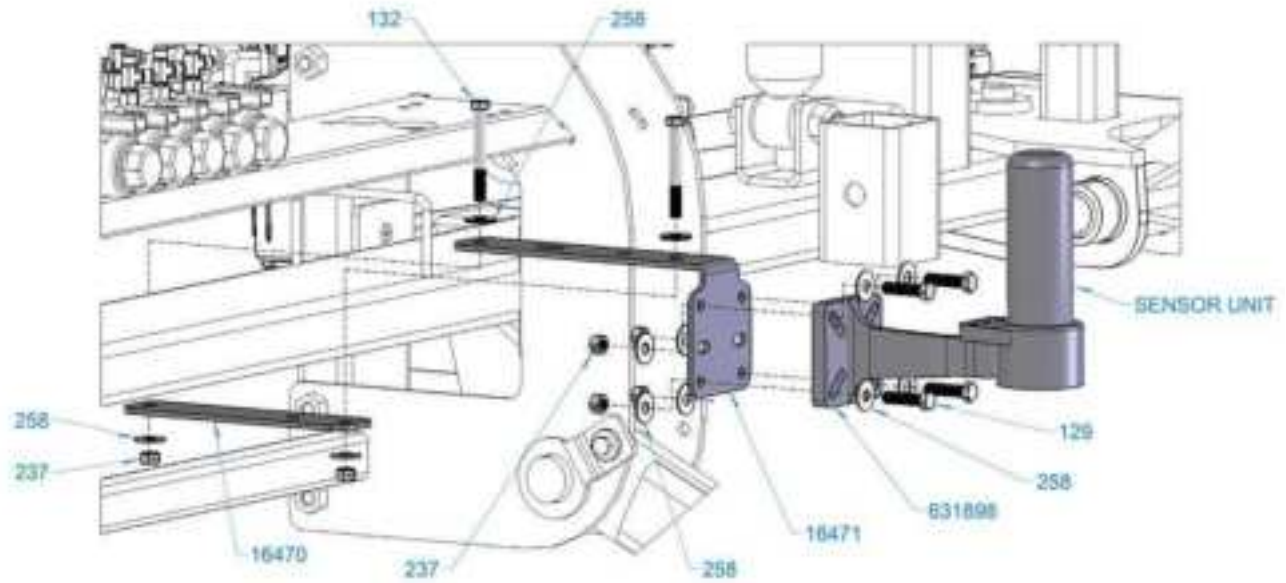
WET BOOM ASSEMBLY NOT SHOWN FOR CLARITY

FLIP WING SENSOR MOUNT



ILLUSTRATED PARTS LIST

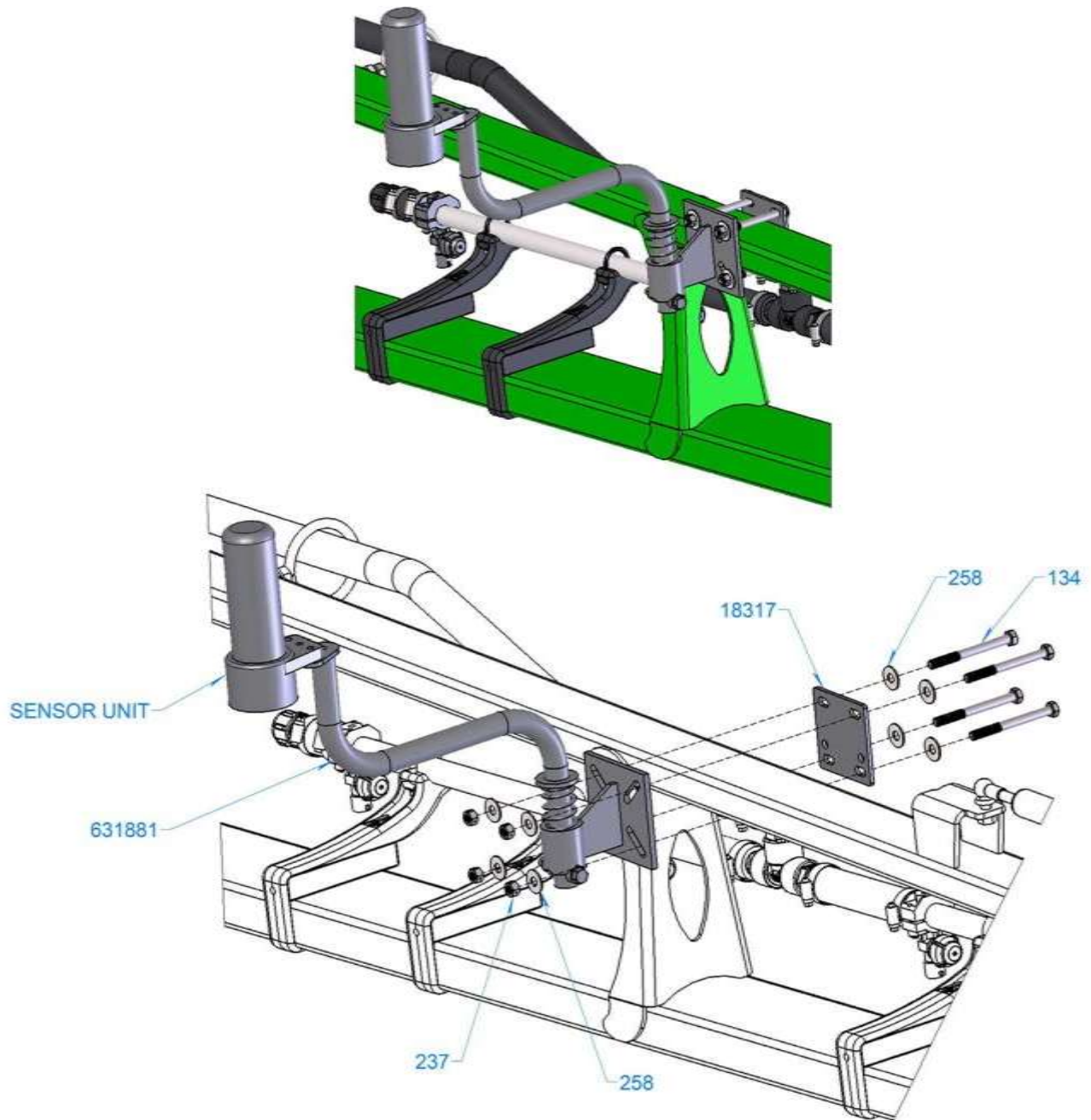
ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
		138	4	BOLT, HH 3/8-16 X6 GR5 ZP
		237	4	NUT, 3/8-16 CENTERLOCK
		258	8	3/8" FLAT WASHER
		18317	1	PLATE, BACKING
		631881	1	RAVEN BRACKET SENSOR MOUNT
	RA0630130026		1	AUTO HEIGHT SENSOR



PARTIAL REAR VIEW AT CENTER SECTION

CENTER SECTION
SENSOR MOUNT

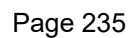
ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
		129	4	BOLT, HH 3/8-16 X 1-1/2 GR5 ZP
		132	2	BOLT, HH 3/8-16 X 3 GR5 ZP
		237	6	NUT, 3/8-16 CENTERLOCK
		258	12	3/8" FLAT WASHER
		16470	1	PLATE, BACKING, MOUNT
		16471	1	MOUNT, AUTO BOOM, RAVEN
		631898	1	ARM ULTRASONIC SENSOR
	RA0630130026		1	AUTO HEIGHT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



**SWING WING
SENSOR MOUNT**

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

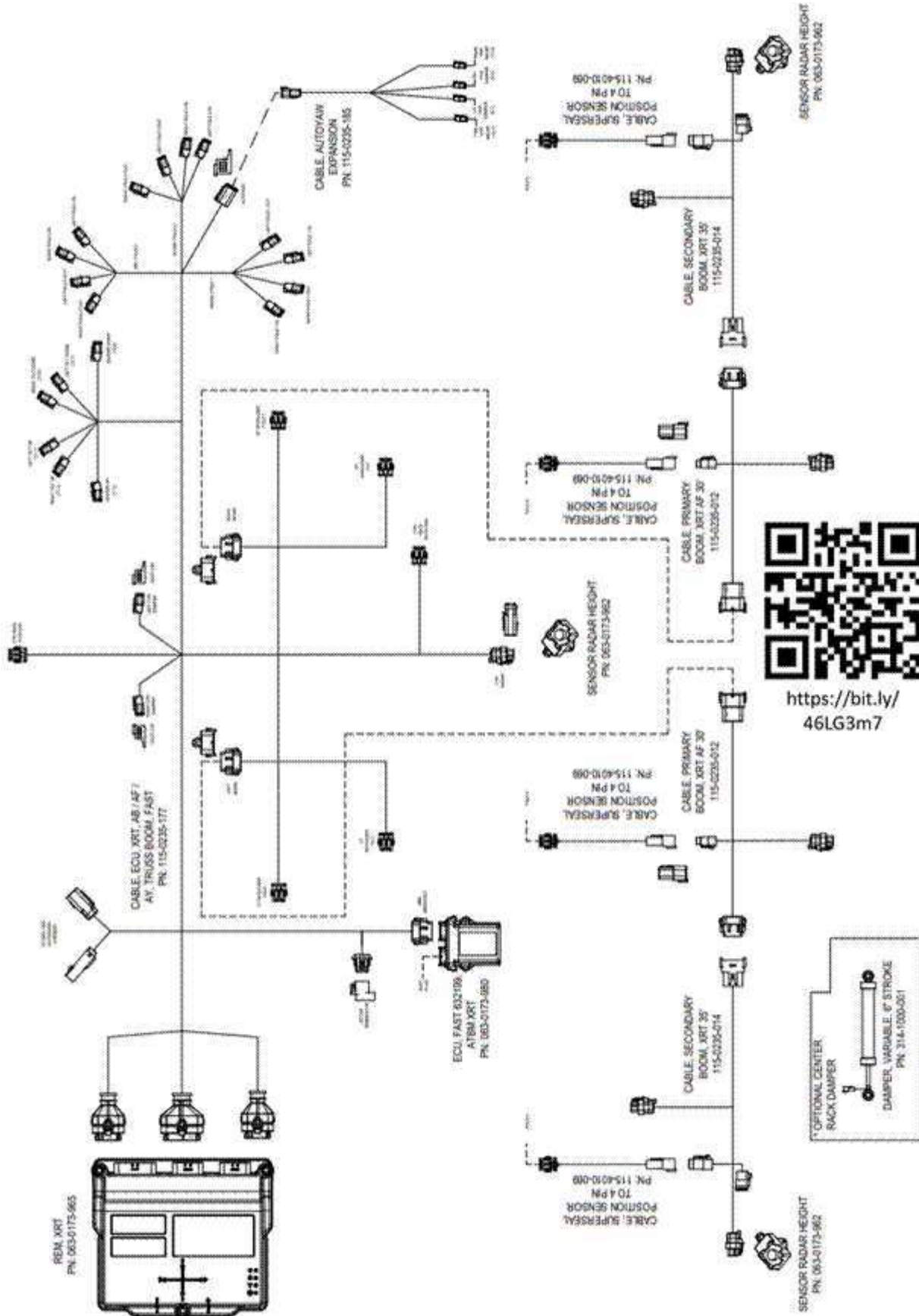
Raven UltraGlide Gen I Wiring

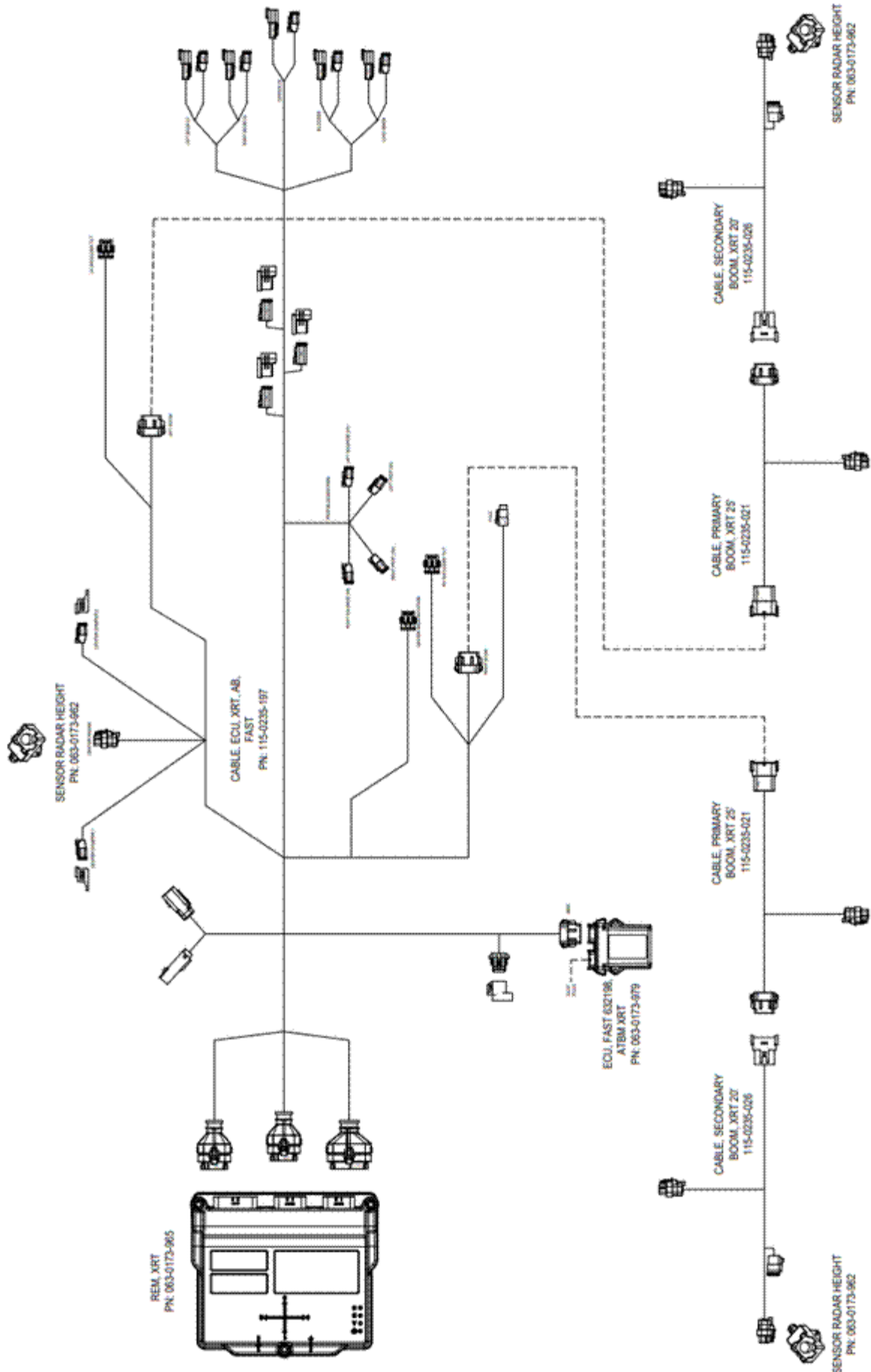


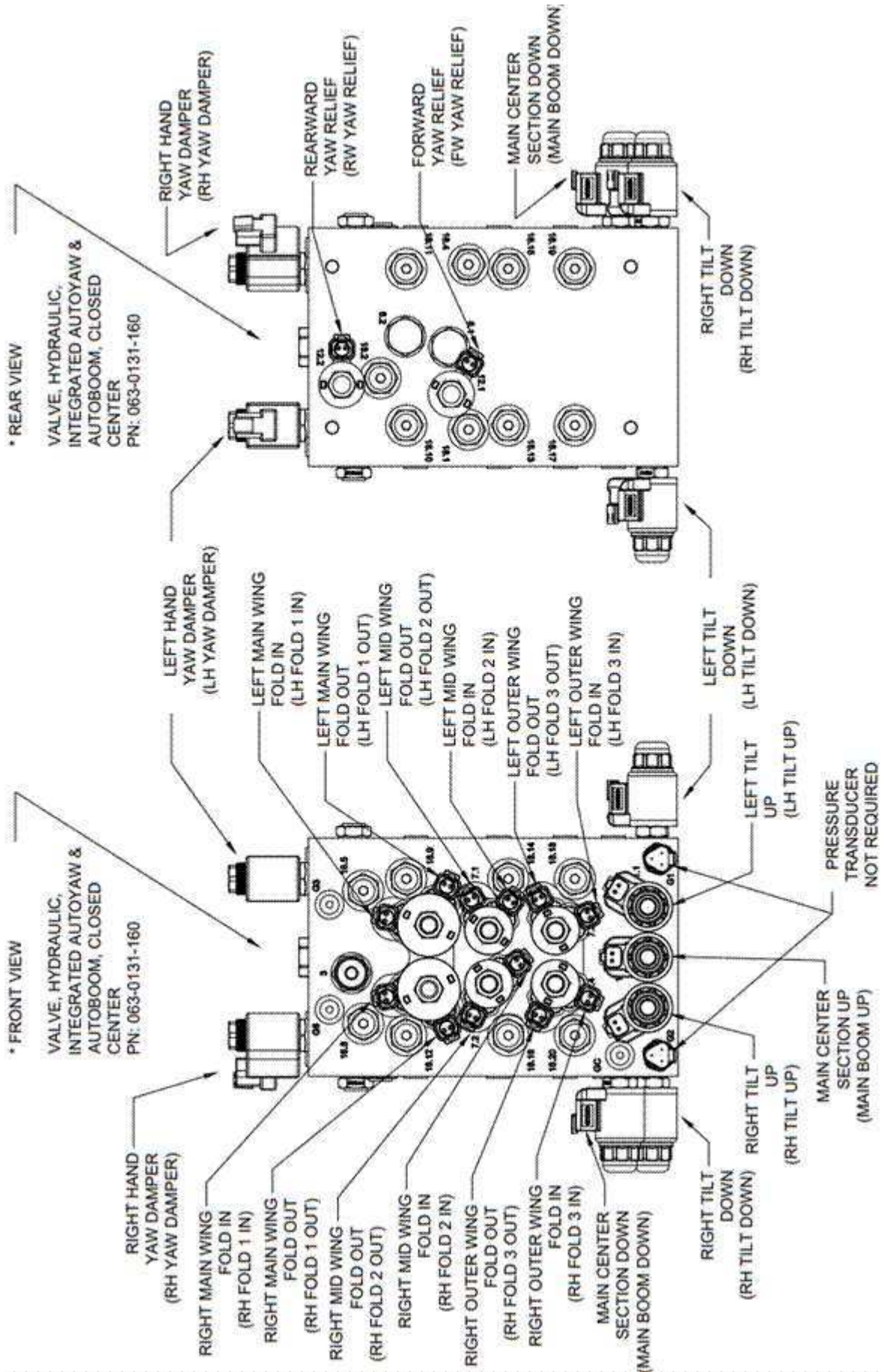
Raven UltraGlide Gen II Wiring



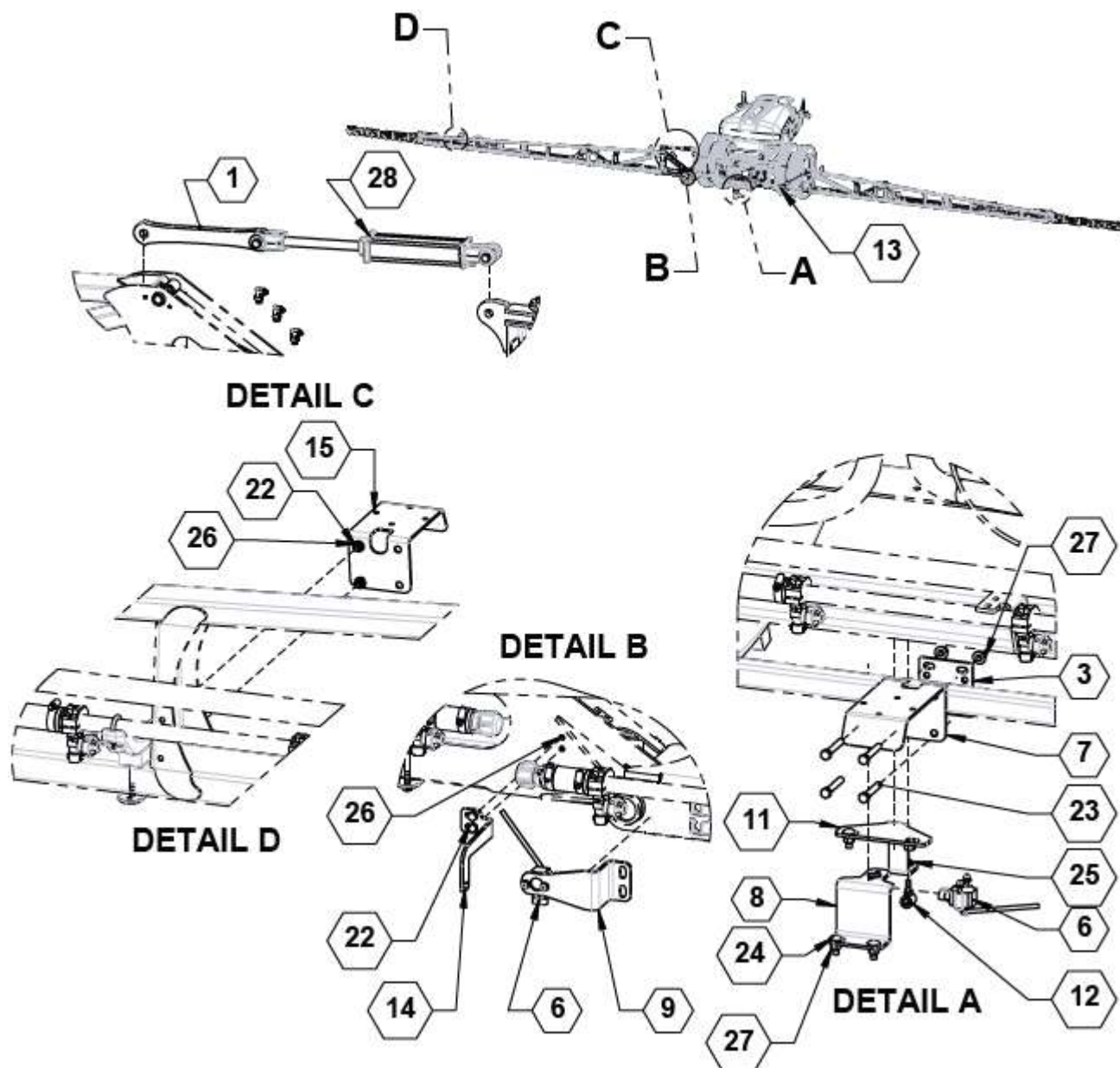
Raven XRT Wiring







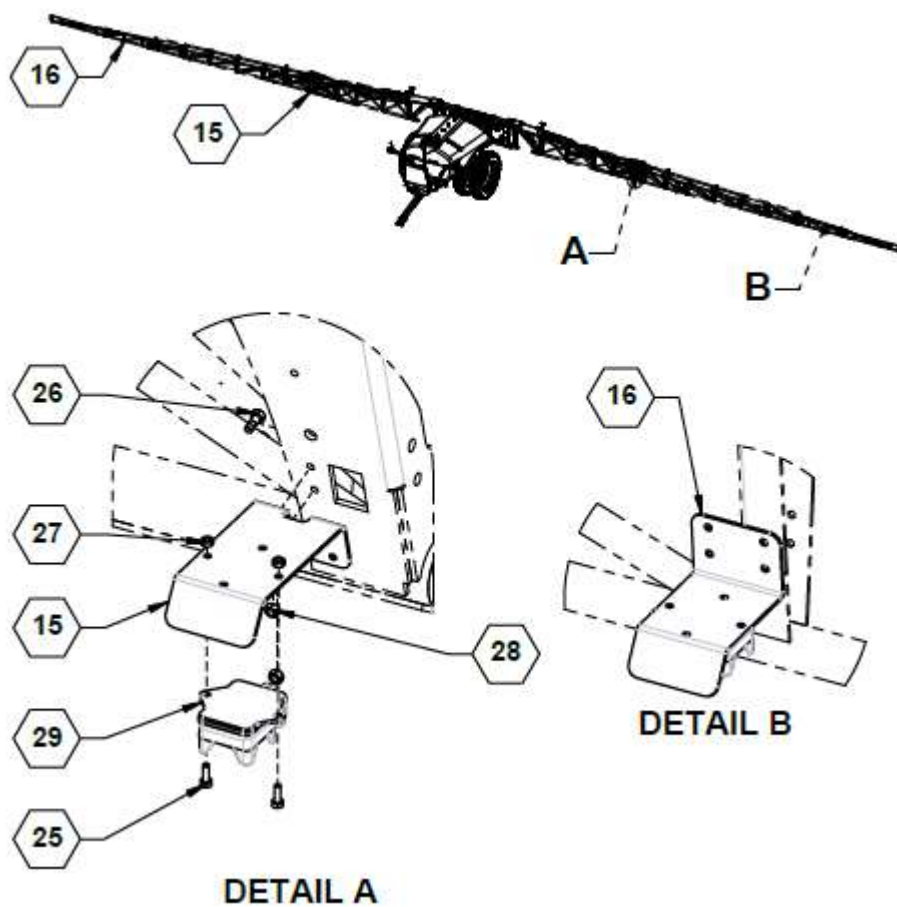
Raven XRT Components, Tri-Fold



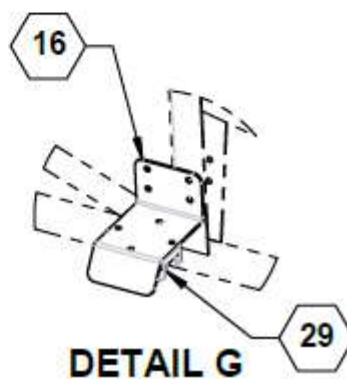
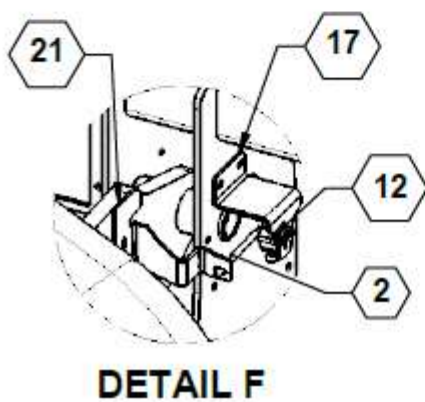
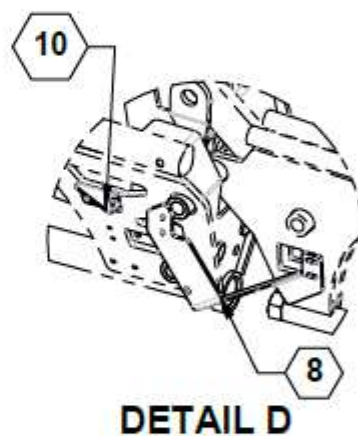
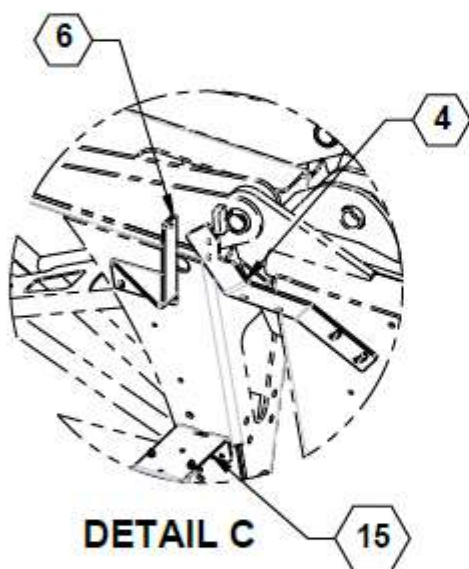
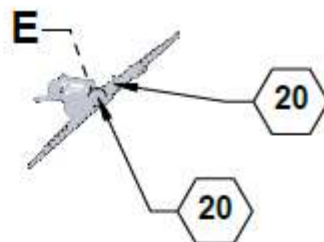
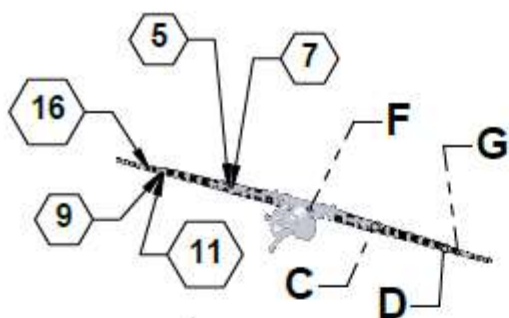
Raven XRT Components, Tri-Fold Parts List 35900

ITEM	PART NO.	QTY.	DESCRIPTION
1	14088	2	LINK, AUTOBOOM/NORAC
2	14461	1	DOM, 11/16"Lg
3	18317BLK	1	PLATE, BACKING
4	22906	3	ROD, ROTARY SENSOR LEVER
5	23976BLK	1	PLATE, RCM MOUNT
6	28853	3	50 DEGREE ROTARY SENSOR
7	28895BLK	1	BRACKET, XRT SENSOR, TRUSS CENTER
8	34701BLK	1	PLATE, SENSATA MOUNT
9	34704BLK	2	PLATE, TILT ROTARY SENSOR
10	34705BLK	2	PLATE, WING TILT SENSOR
11	34719BLK	1	PLATE, ROLL SENSOR
12	34721BLK	1	WLDMNT, SLIDE PIVOT
13	35578	1	TILT SENSOR ROD BRACKET NFT RH
14	35579	1	TILT SENSOR ROD BRACKET NFT LH
15	35691	2	BRACKET, XRT SENSOR, NTF OUTER
16	590272	12	WASHER SAE #10 SS18-8
17	590273	6	SCREW PHIL 10-24 X 1.75 SS18-8
18	590274	6	NUT NYLON 10-24 SS18-8
19	590275	3	SCREW PHIL 3-48 X .625 SS18-8
20	590276	3	NUT NYLON 3-48 SS18-8
21	590277	6	WASHER #3 SS18-8
22	596114M	8	BOLT, HH 5/16-18X3/4 GR5 MAGNI
23	596131M	4	BOLT, HH 3/8-16 X 2-1/2 GR5 MAGNI
24	596592M	4	BOLT, CARRIAGE 3/8-16 X 1 MAGNI
25	596767M	1	NUT, HEX FLANGE 1/4-20 MAGNI
26	596768M	8	NUT, HEX FLANGE 5/16-18 MAGNI
27	596769M	9	NUT, HEX FLANGE 3/8-16 MAGNI
28	620022	2	CYLINDER, 25TD10-112
NS	630036	1	CARTRIDGE, SV10-21-0-N-00 OPEN
NS	630037	1	COIL, 12V OPEN REVERSE FUNCTION
NS	632055	1	CABLE, 17' EXTENSION GEN 1 ISO
NS	632208	1	KIT, XRT AUTOBOOM FOR N/TF

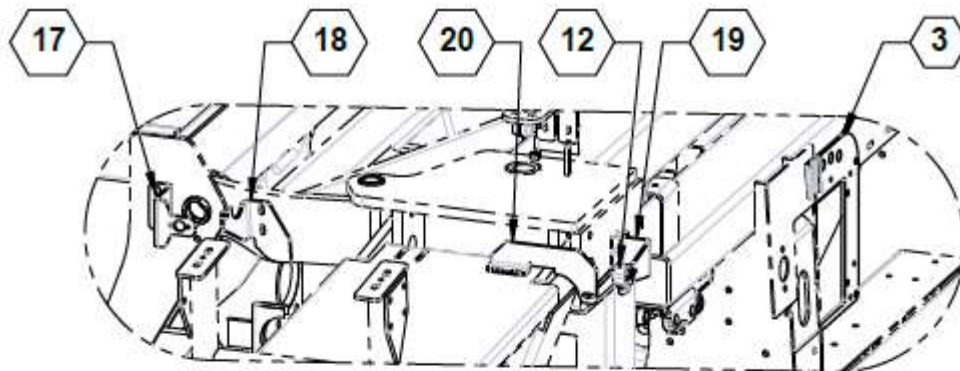
Raven XRT Components, Truss



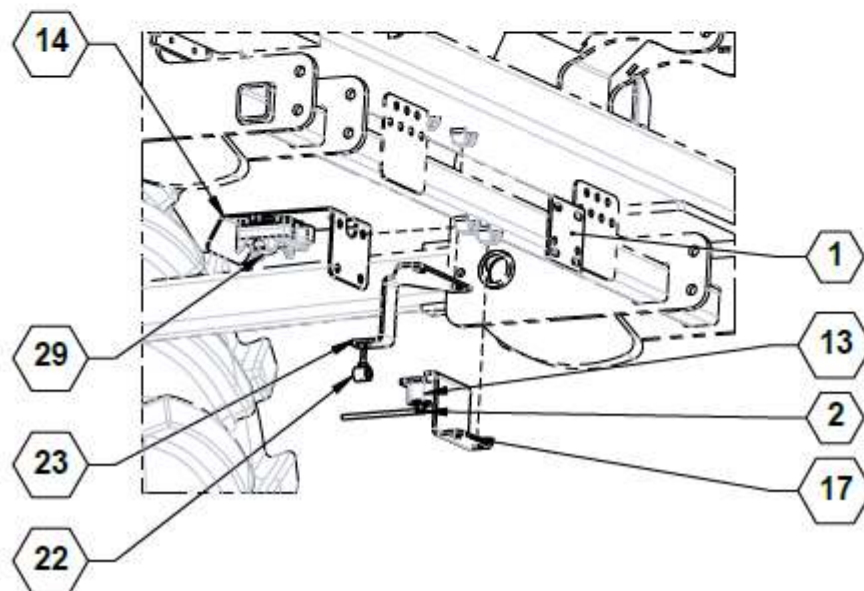
Raven XRT Components, Truss, continued



Raven XRT Components, Truss, continued



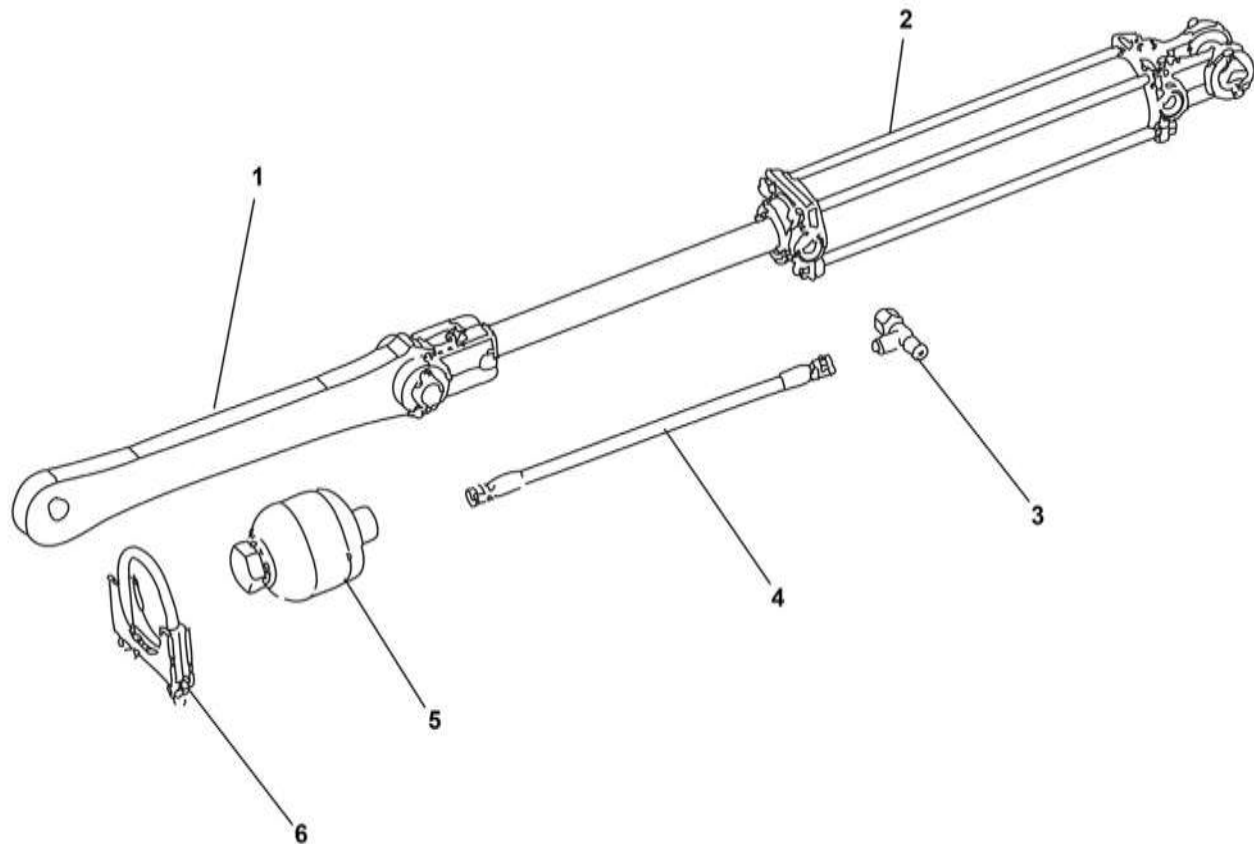
DETAIL E



Raven XRT Components, Truss Parts List 35901

ITEM	PART NO.	QTY.	DESCRIPTION
1	18317BLK	1	PLATE, BACKING
2	22906	4	ROD, ROTARY SENSOR LEVER
3	23976BLK	1	PLATE, RCM MOUNT
4	28840BLK	1	LH PRIMARY FLIP ROT SENSOR BRCKT
5	28841BLK	1	BRACKET, RH PRIMARY FLIP ROTARY SENSOR
6	28842BLK	1	BRACKET, LH PRIMARY FLIP SENSOR ROD
7	28843BLK	1	BRACKET, RH PRIMARY FLIP SENSOR ROD
8	28844	1	BRACKET, LH 2ND FLIP ROTARY SENSOR
9	28845	1	BRACKET, RH 2ND FLIP ROTARY SENSOR
10	28846	1	BRACKET, LH 2ND FLIP SENSOR ROD
11	28847	1	BRACKET, RH 2ND FLIP SENSOR ROD
12	28889	4	SENSOR, ROTARY, 180 DEGREE WITH DRILLED HOLE
13	28894	1	SENSORY, ROTAY, 270 DEGREE W/ DRILLED HOLE
14	28895BLK	1	BRACKET, XRT SENSOR, TRUSS CENTER
15	28896	2	BRACKET, XRT SENSOR, TRUSS INNER WING
16	28897	2	BRACKET, XRT SENSOR, TRUSS OUTER WING
17	34701BLK	3	PLATE, SENSATA MOUNT
18	34703	1	PLATE, MAIN LIFT SENSOR
19	34704BLK	2	PLATE, TILT ROTARY SENSOR
20	34705BLK	2	PLATE, WING TILT SENSOR
21	34717	1	PLATE, MAIN LIFT SENSOR
22	34721BLK	2	WLDMNT, SLIDE PIVOT
23	35901	1	PLATE, ROLL SENSOR
25	596101M	2	BOLT, HH 1/4-20 X 3/4 GR5 MAGNI
26	596114M	4	BOLT, HH 5/16-18X3/4 GR5 MAGNI
27	596235M	2	NUT, CENTERLOCK, 1/4-20 MAGNI
28	596236M	4	NUT, CENTERLOCK, 5/16-18 MAGNI
29	632209	5	SENSOR, XRT

Wing Tilt Options



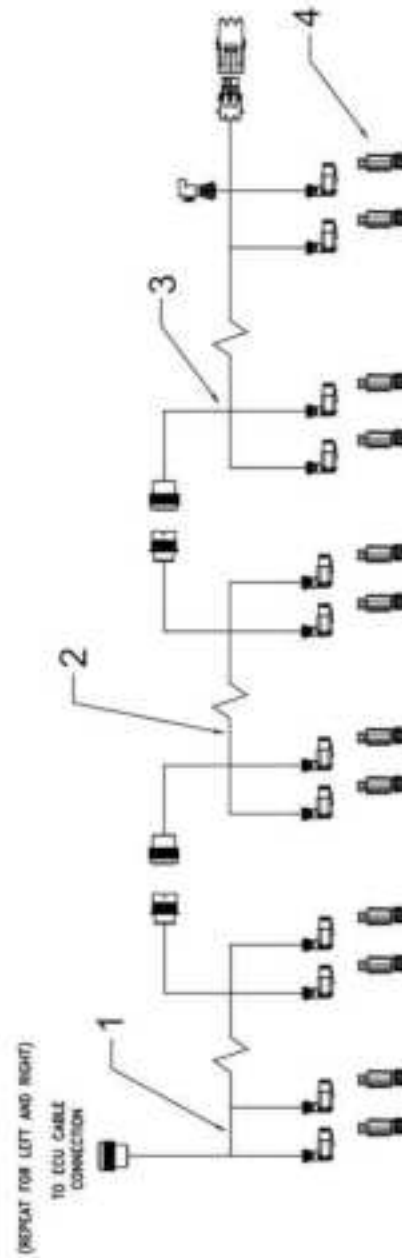
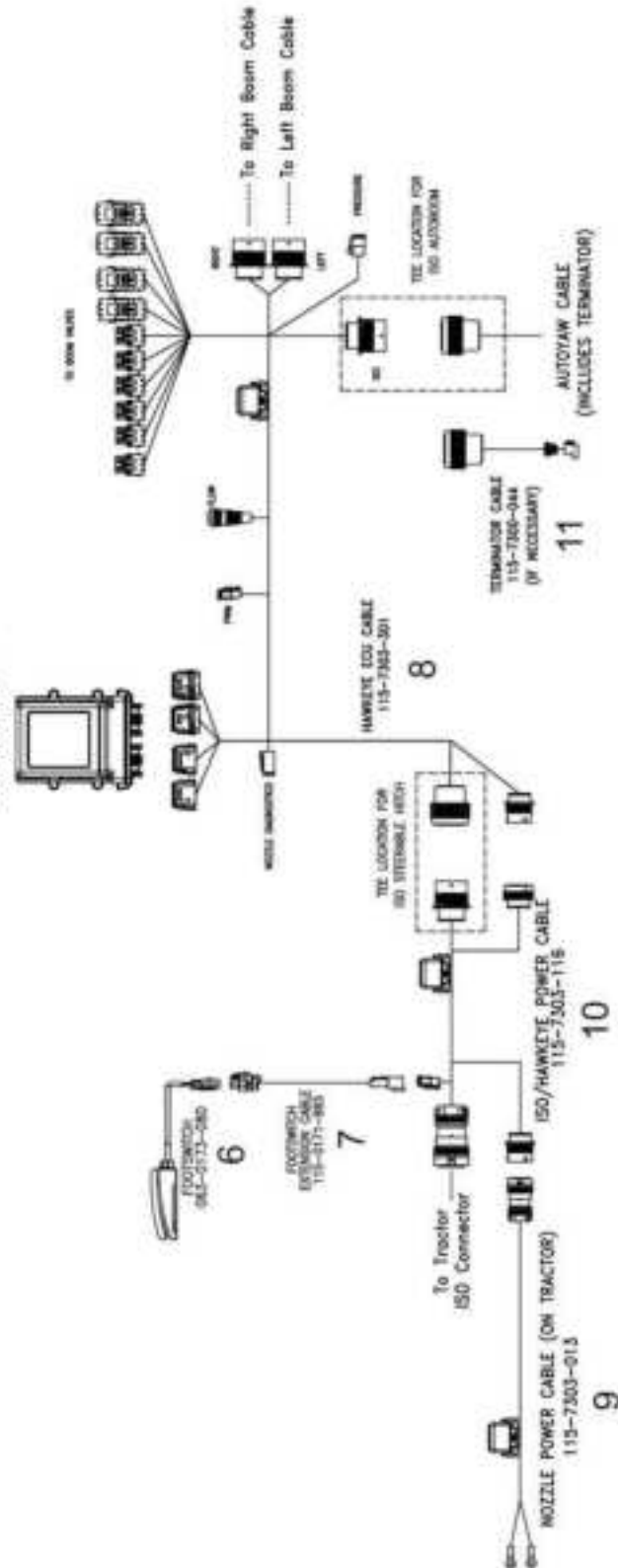
Wing Tilt Options Parts List

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

HAWKEYE ON FAST SPRAYERS

HAWKEYE ECU 5
063-0173-704



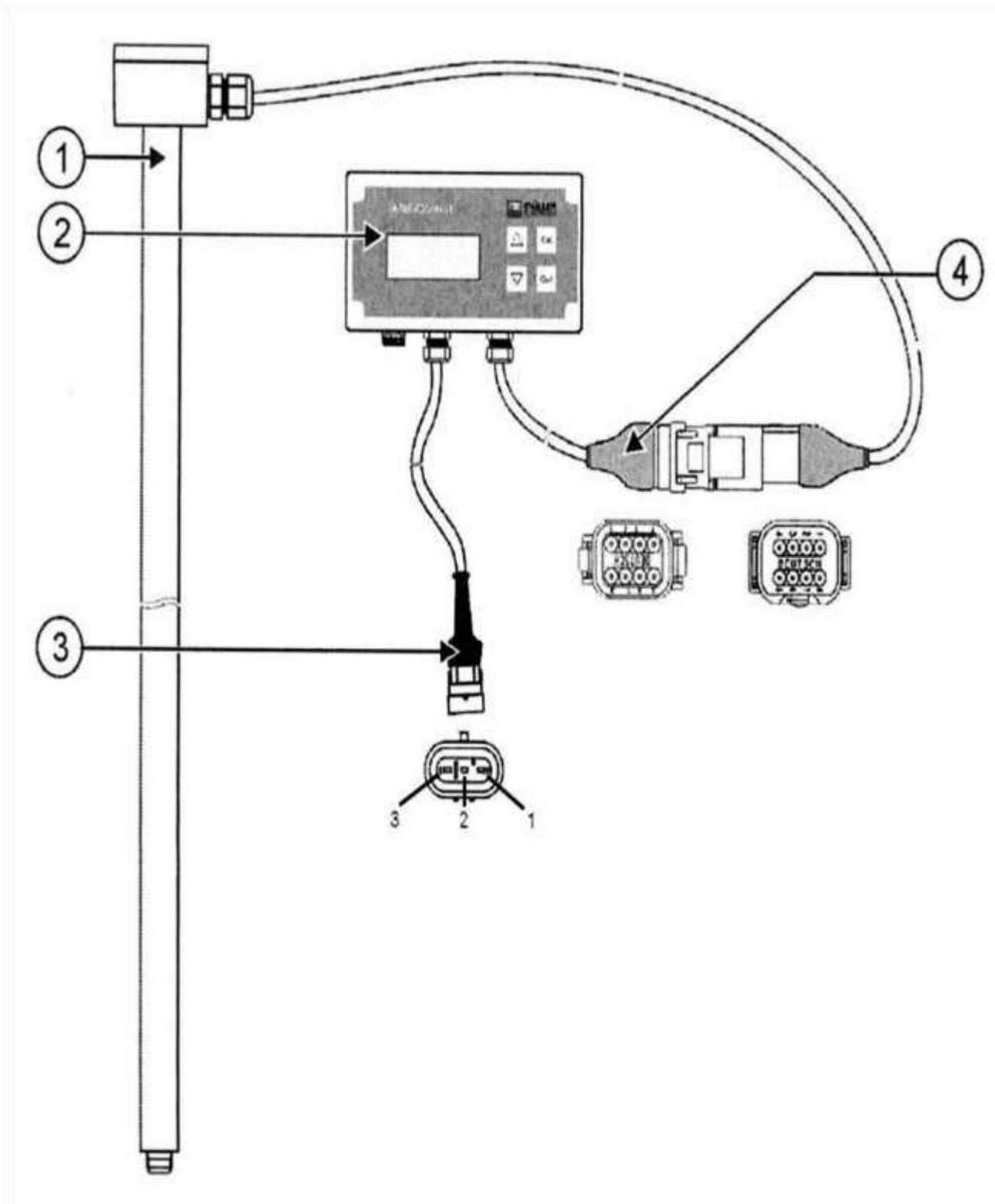


ILLUSTRATED PARTS LIST

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

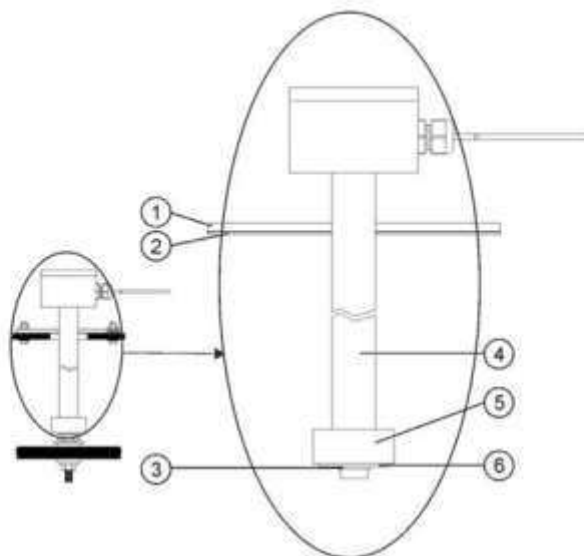


Electronic Sight Gauge Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
1		1	Sensor
2		1	Display
3		1	Power Lead
4		1	Sensor Plug
NS	632147		Complete Kit - 1350 Gallon
NS	931933		Complete Kit - 1800 Gallon
NS	931935		Complete Kit - 2400 Gallon
NS	931936		Sight Gauge Flange Kit

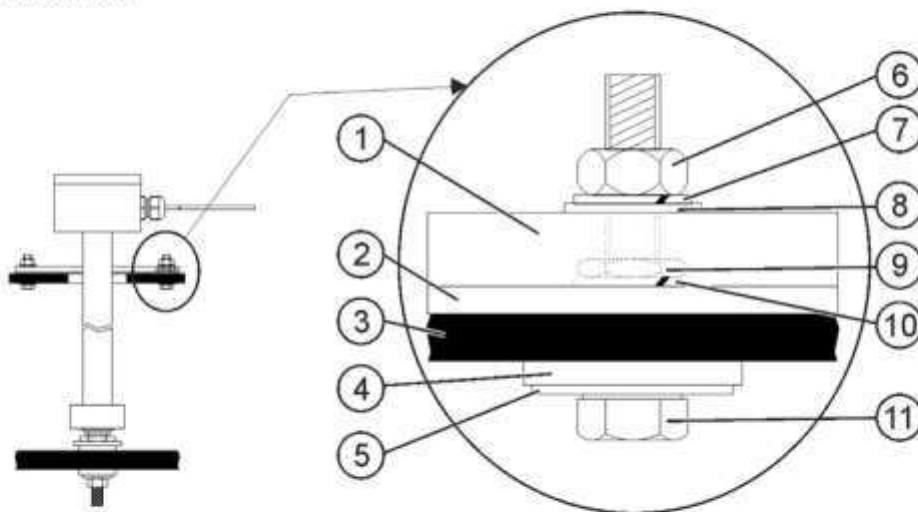
Electronic Sight Gauge - Sensor Tube

PREPARE THE SENSOR TUBE



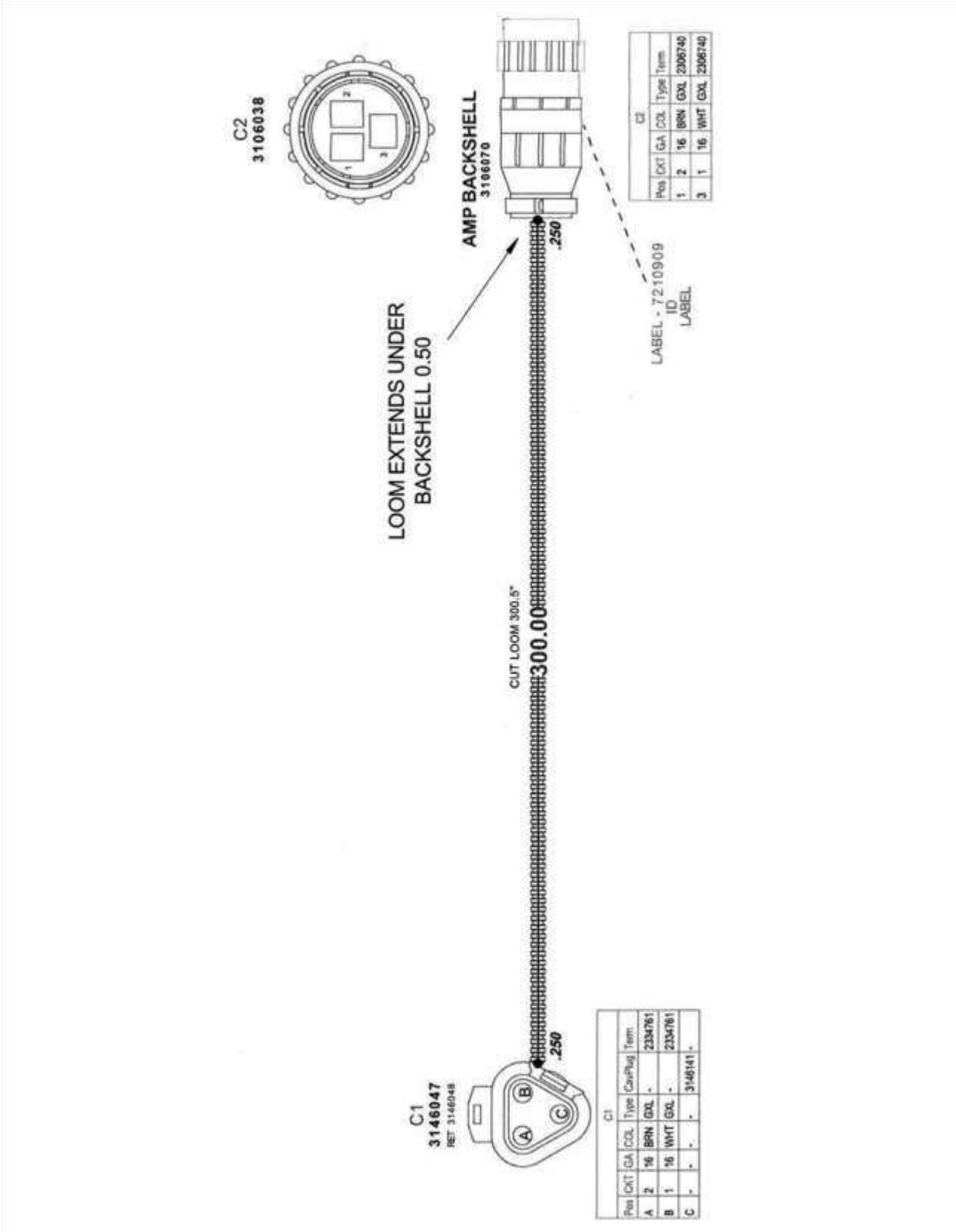
Item	Vendor Part #	Fast Part #	Description	Qty.
1			Flange	1
2			Viton Gasket	1
3			Locking Ring	1
4			Sensor Tube	1
5			Float	1
6			Washer 24.2 x 12.2	1

INSTALL THE SENSOR TUBE

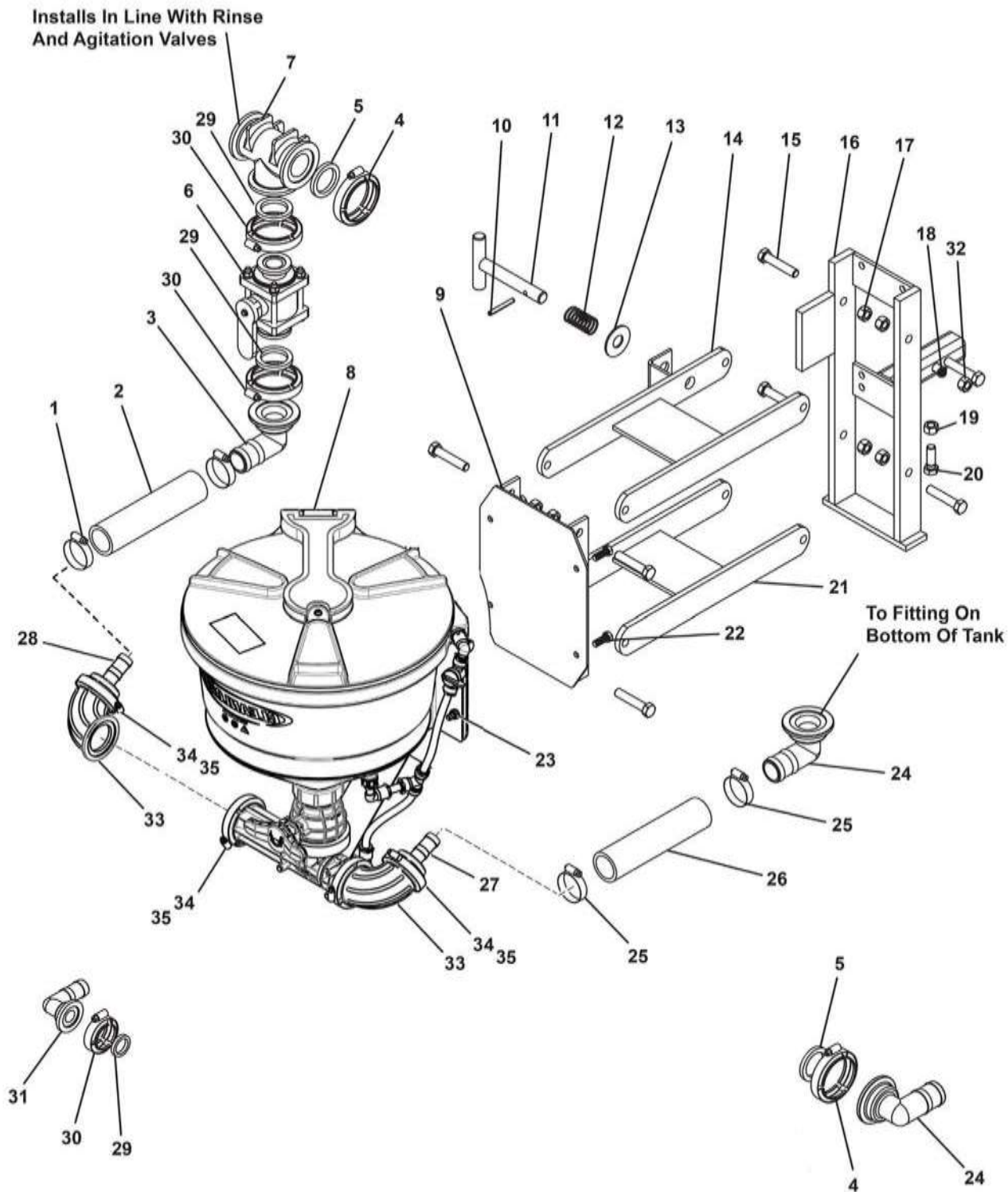


Item	Vendor Part #	Fast Part #	Description	Qty.
1			Tube Socket	1
2			Viton Gasket 25 x 6	1
3			Base of Tank	1
4			Viton Gasket 25 x 6	1
5			Wahser A6.4	1
6			Nut M6	1

Electronic Sight Gauge - Power Cable



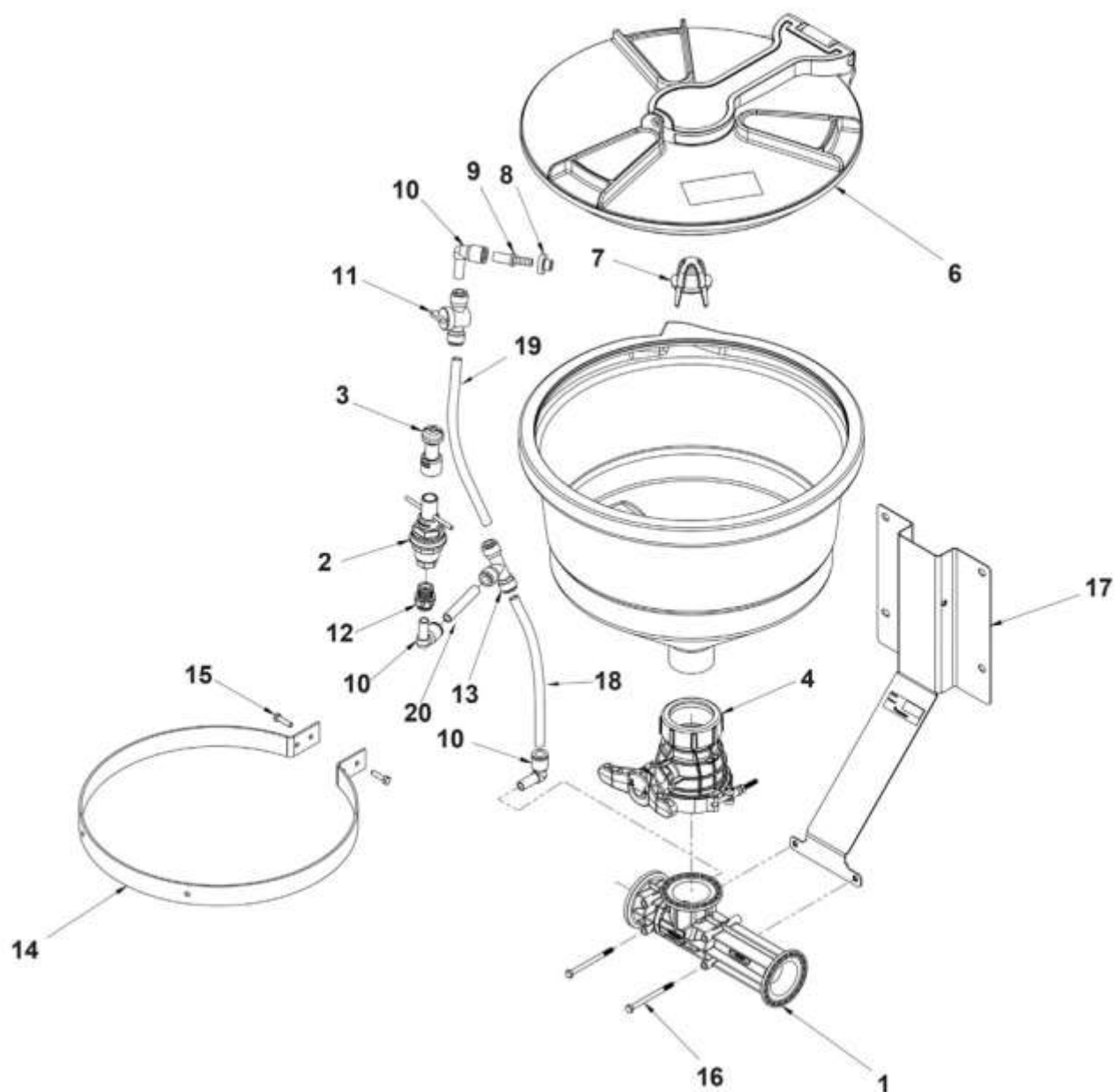
HYPRO Cleanload Eductor & Mounting, 7.5 Gallon



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

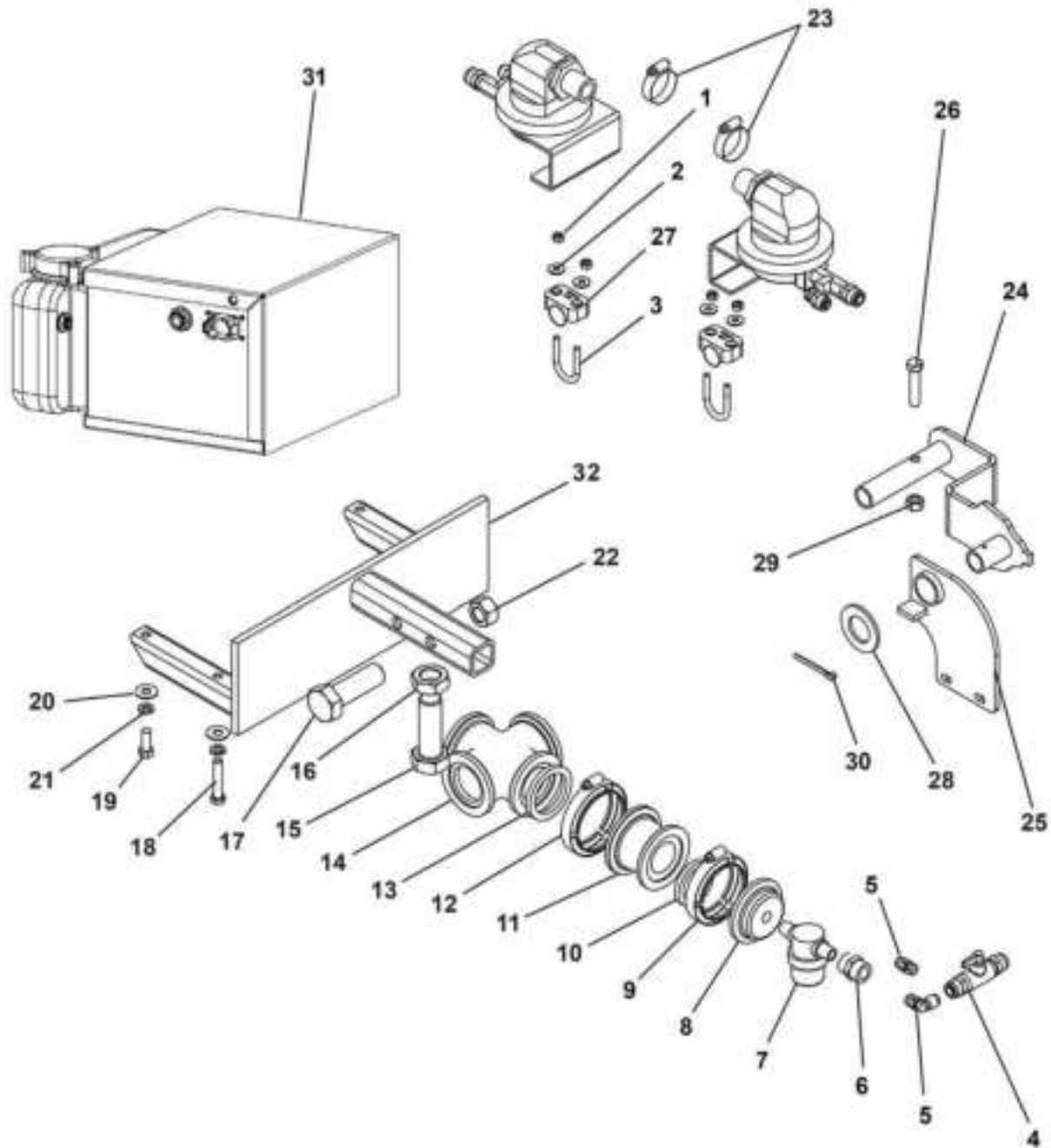
HYPRO Cleanload Eductor, 7.5 Gallon



HYPRO Cleanload Eductor, 7.5 Gallon Parts List 570119

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)

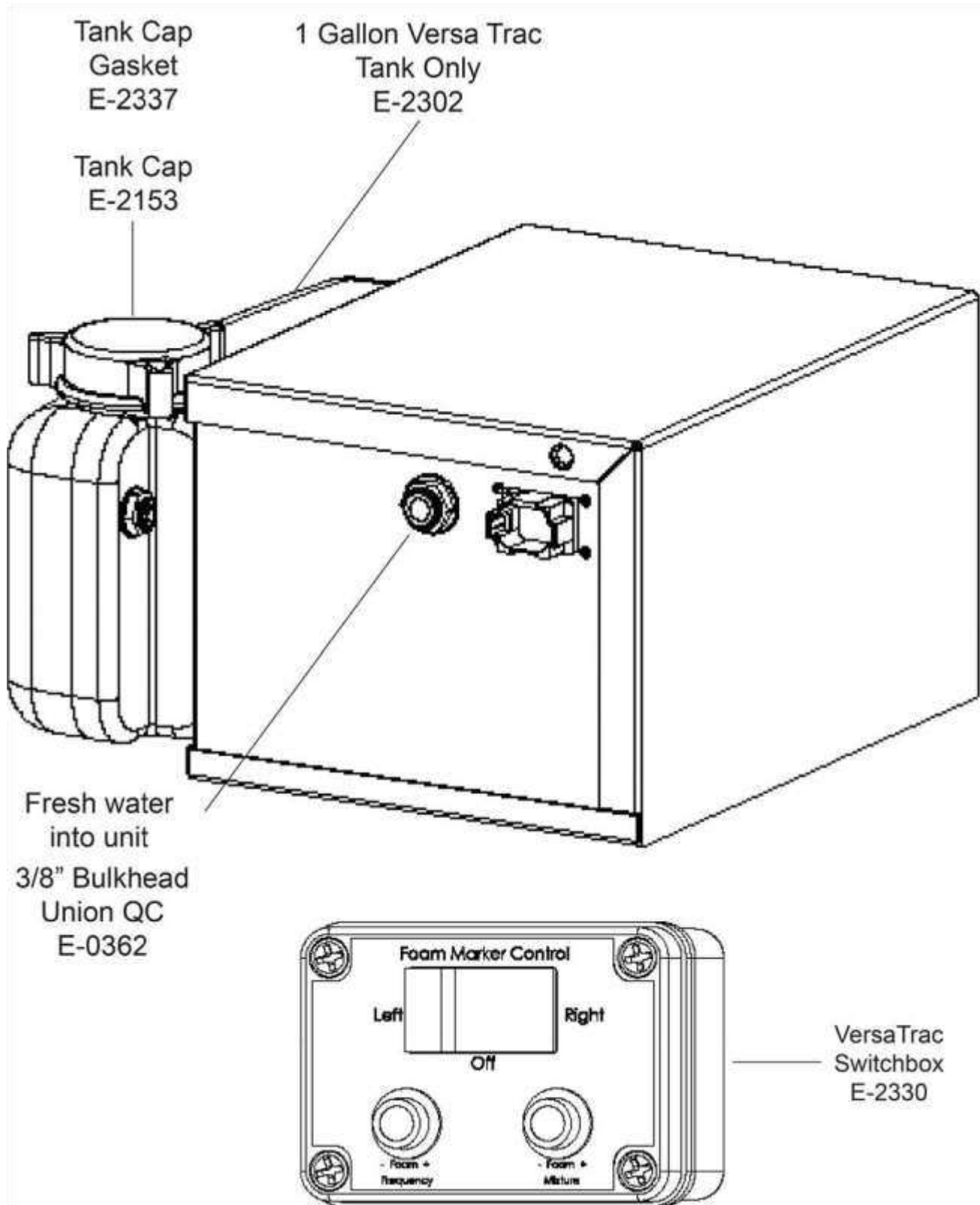
Richway Direct Injection Foamer & Mounting



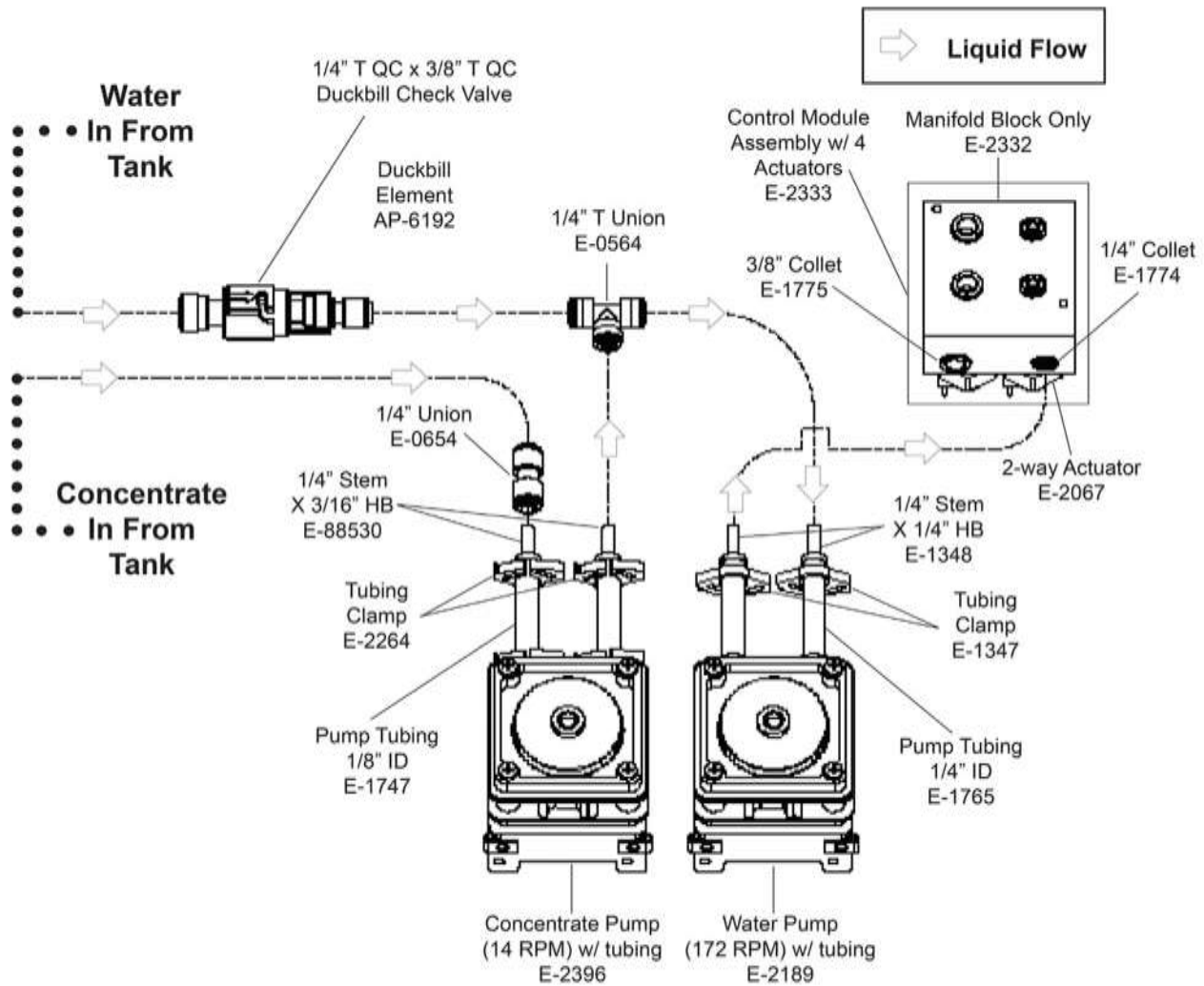
Richway Direct Injection Foamer & Mounting Parts List

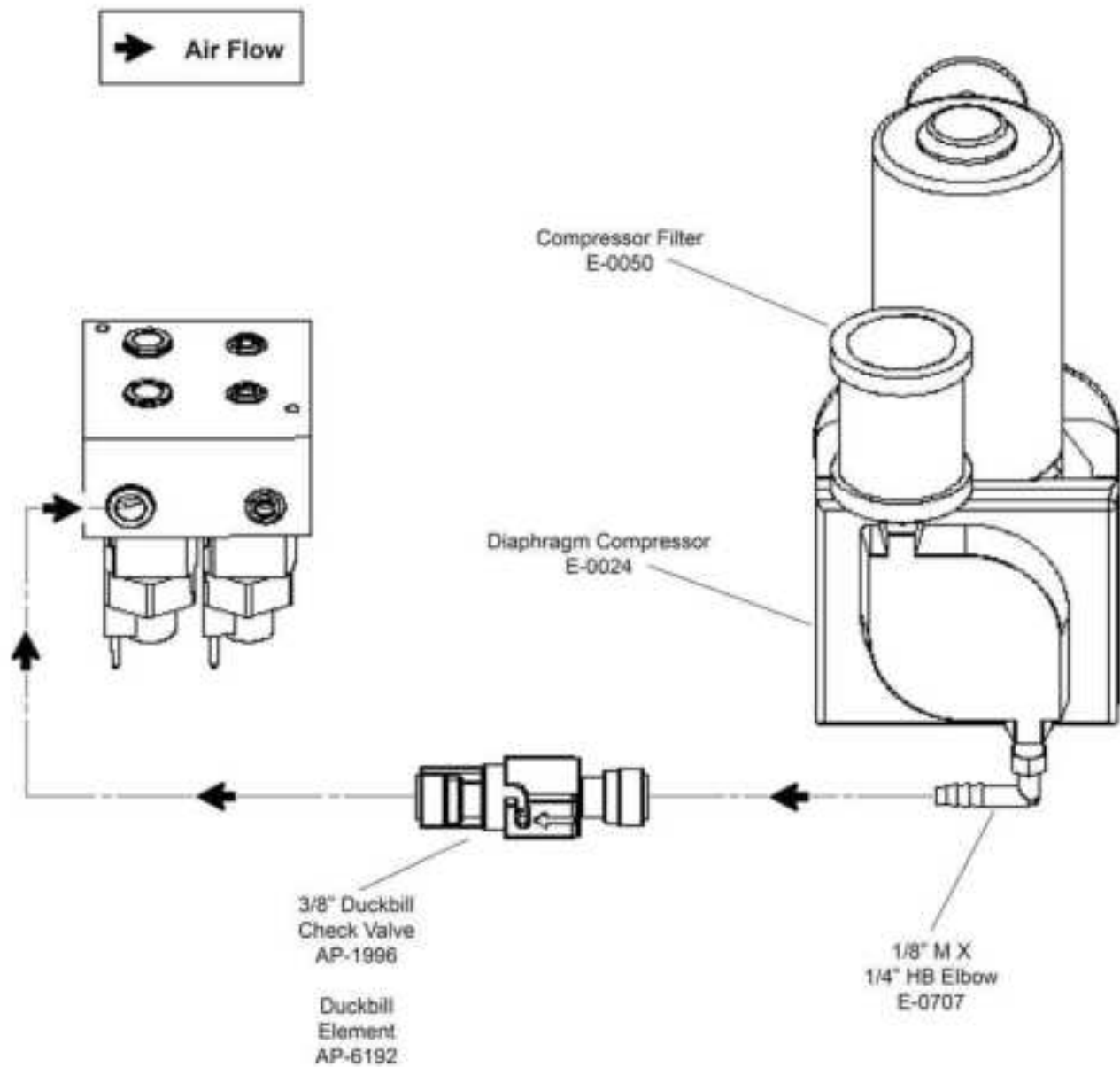
ITEM	VENDOR PART NO.	PART NO.	QTY.	DESCRIPTION
1		647	8	NUT, HH 1/4" NYLOCK SS
2		663	8	WASHER, FLAT 1/4" SS
3	2M1473140	590048	4	U-BOLT 1/4 X 1.5 SS
4	44103289	530007	1	VALVE, SHUT OFF 3/8 Q-LOCK
5	44103231	530006	1	Q-LOCK ADAPTER FITTING 3/8" 90°
5		530002	1	3/8"X3/8" MALE CONNECTOR
6	3FC38	530217	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

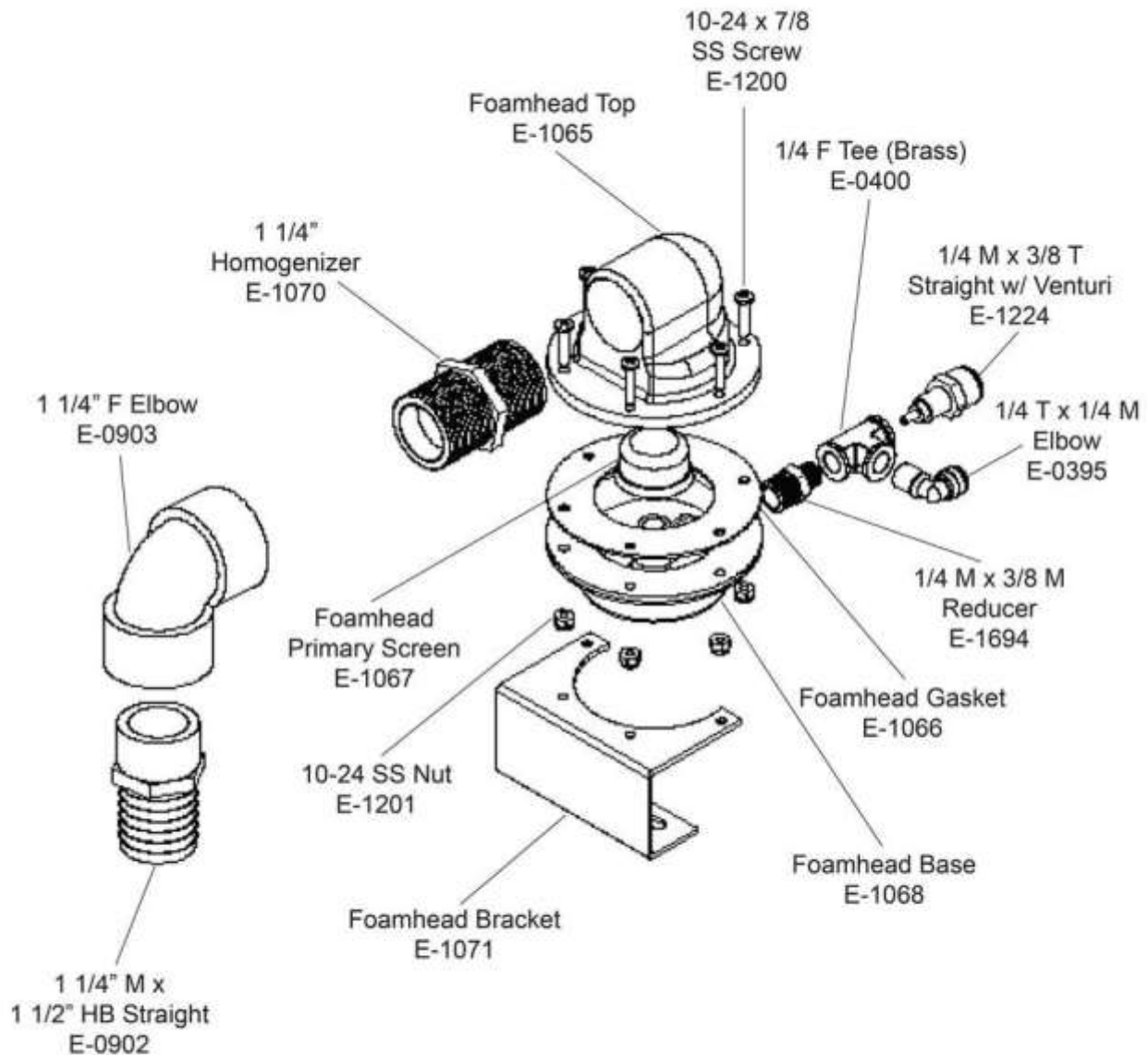


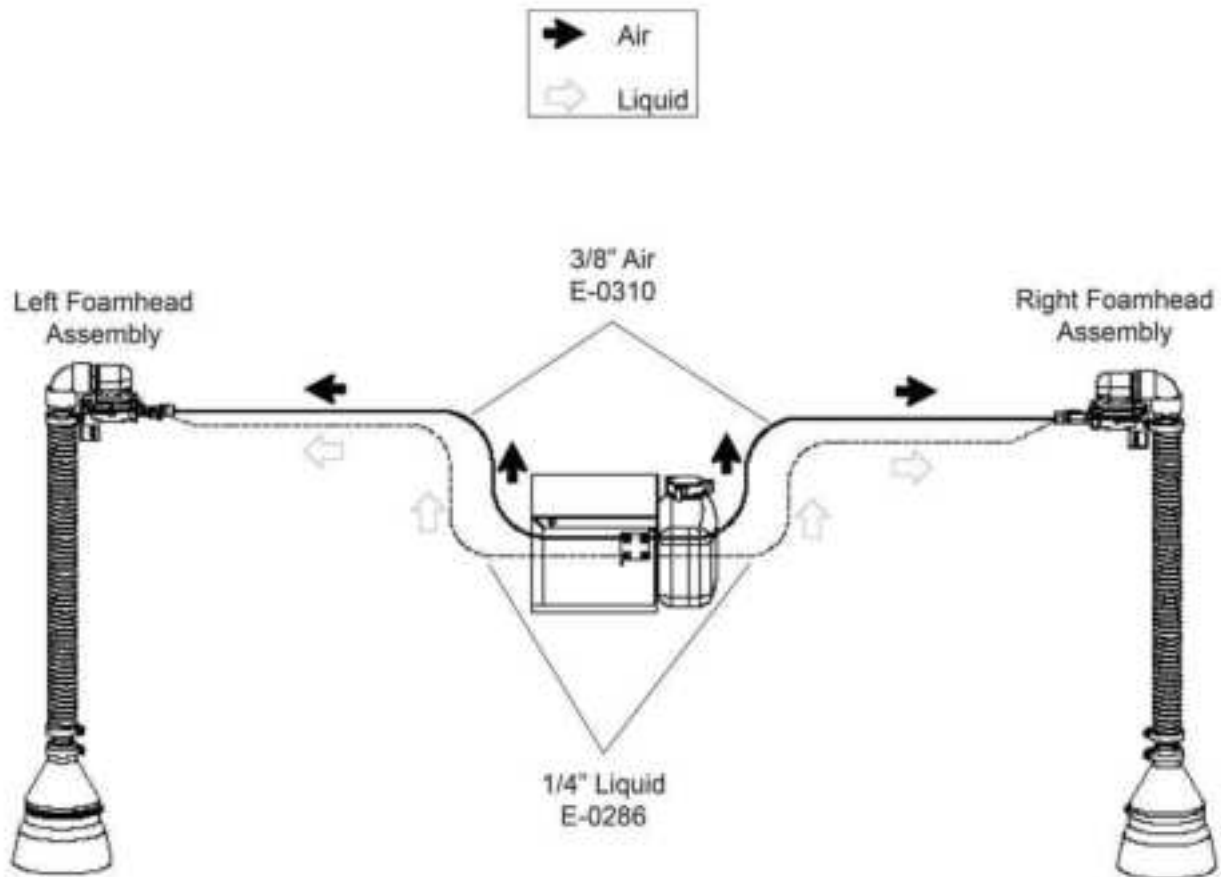
Richway Foam Marker Liquid Flow

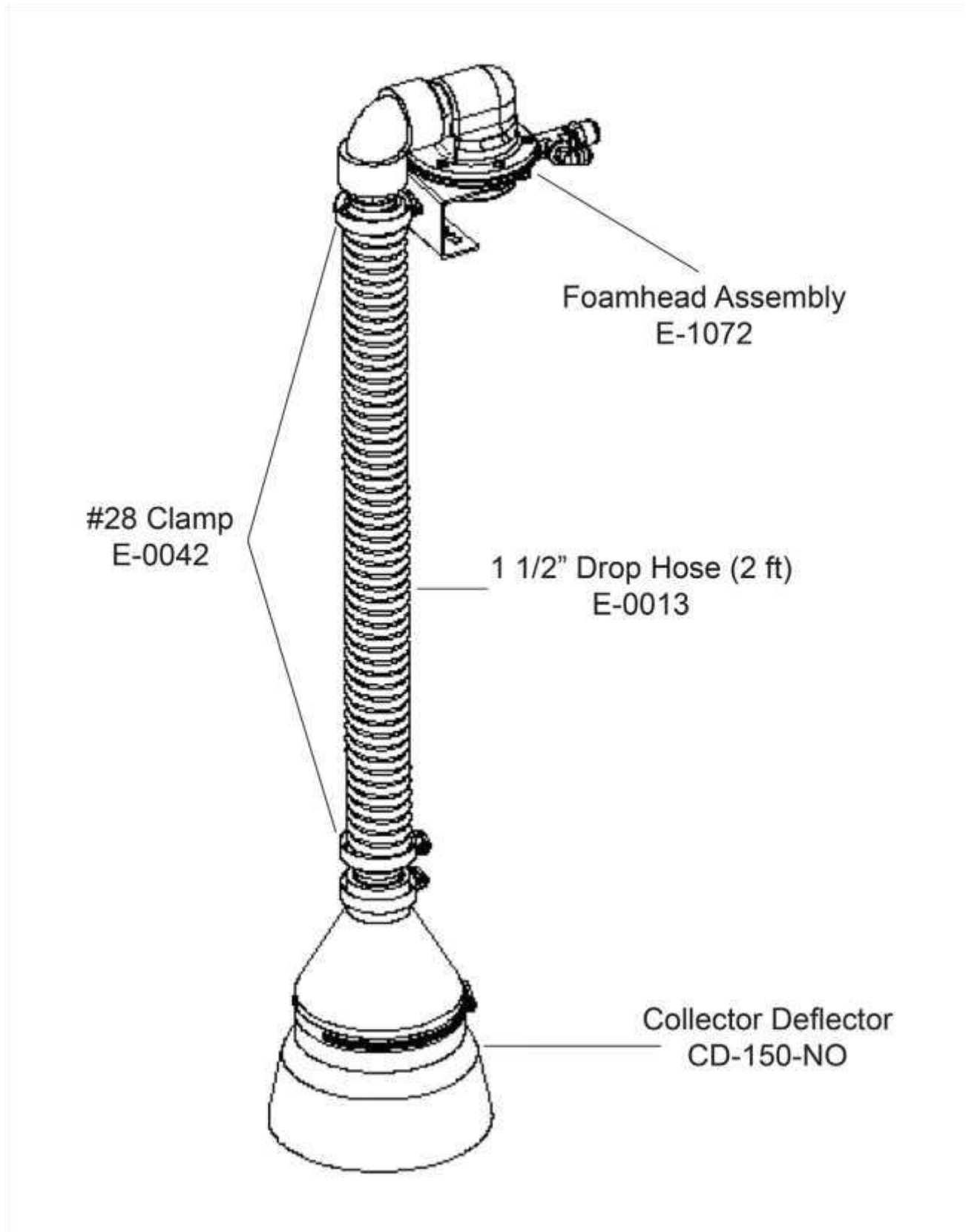


Richway Foam Marker Compressor

Richway Foam Marker Foamhead



Richway Foam Marker Foam Head Assembly

Richway Foam Marker Collector Deflector

Richway Foam Marker Wiring Harness

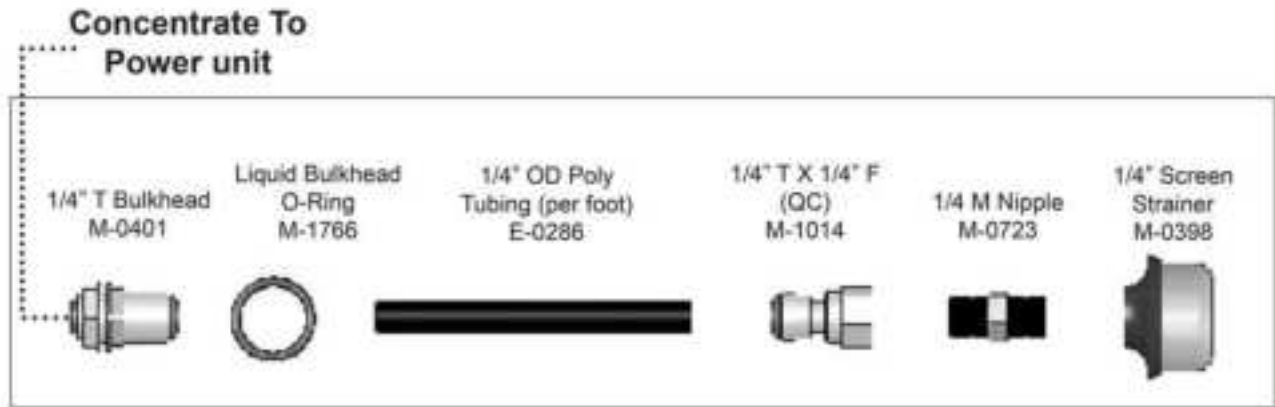
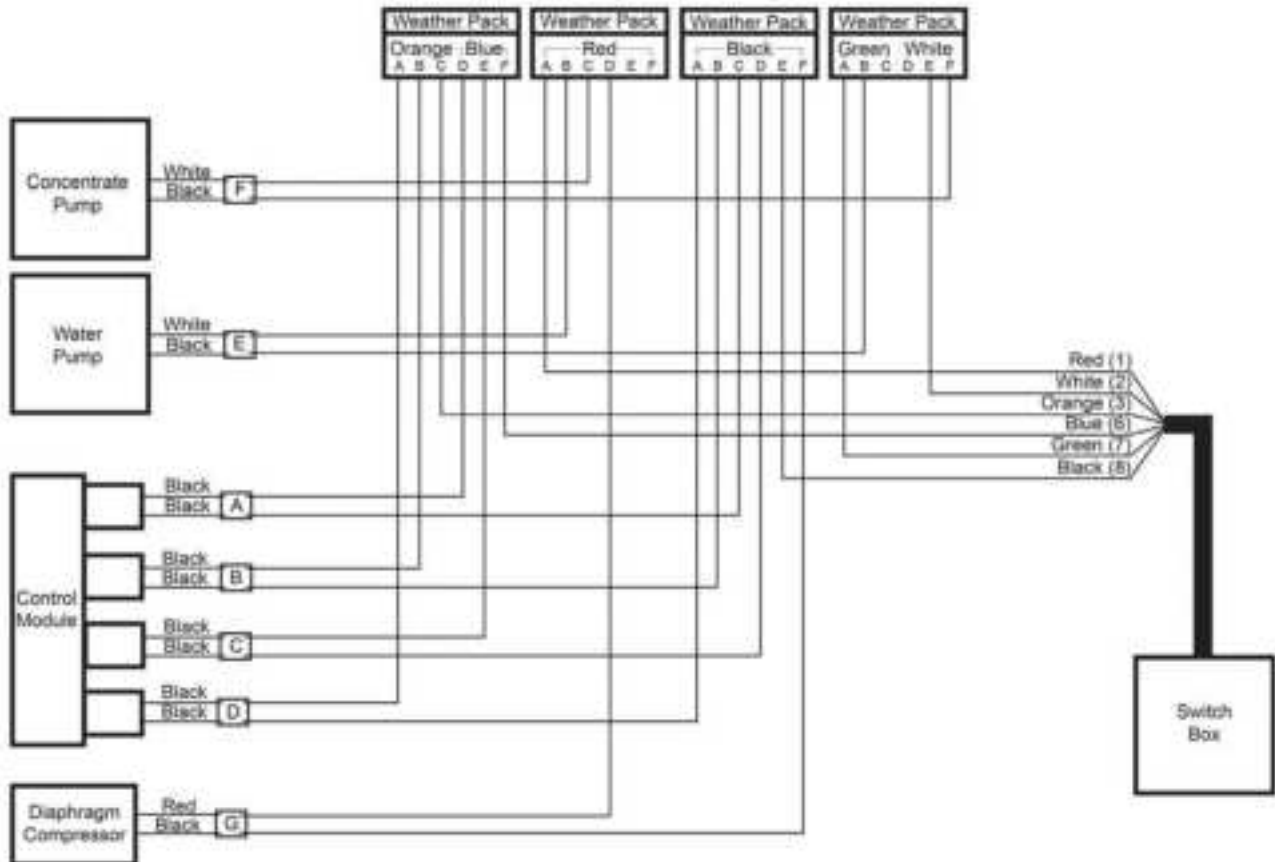
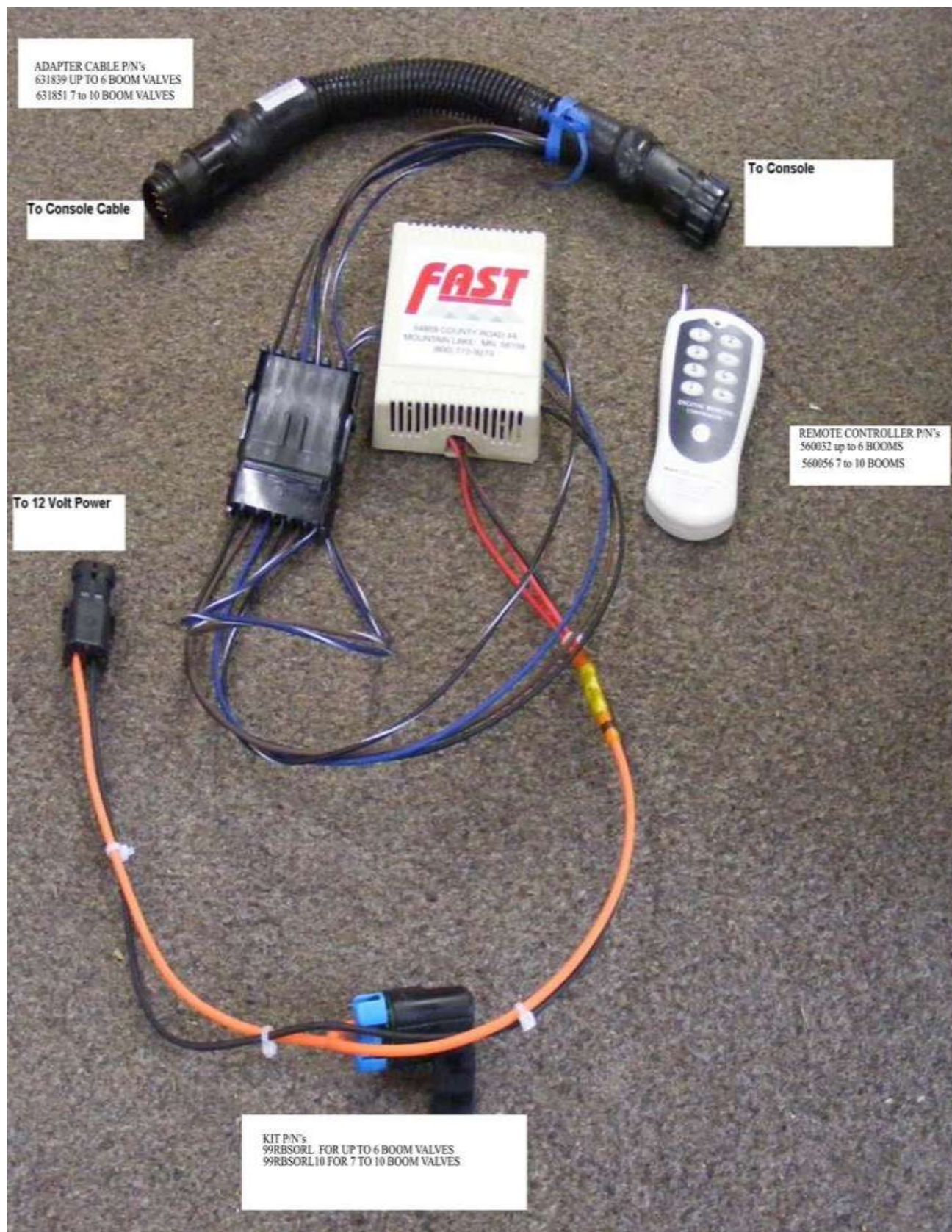


FIGURE 10 - Versa Trac Tank Components

APPENDIX 4



Remote Boom Shut Off Kit (6 Section Shown)





FAST Ag Solutions
4130 Commerce Boulevard
Windom, MN 56101
1-800-772-9279 Toll Free
1-507-427-3861 Voice
1-507-427-3030 Fax
www.fastsprayers.com