

FAST™

AG SOLUTIONS



9600N/TF SPRAYER PARTS MANUAL







ILLUSTRATED PARTS LIST

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.



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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

- 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

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 _____

SAFETY

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

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



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FAST 9600N/TF SPRAYER

APPLICATOR SERIAL NUMBER _____

DATE PURCHASED _____ / _____ / _____

TANK SIZE _____

BOOM LENGTH _____

PUMP MANUFACTURER:

(CIRCLE ONE)

ACE 150 - 206

ACE 205 - 304F

HYPRO 9306C



ILLUSTRATED PARTS LIST





General Information

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

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

Parts Ordering Guide

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

Parts Searching Guide

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

Explanation of Parts Lists

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

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



ILLUSTRATED PARTS LIST

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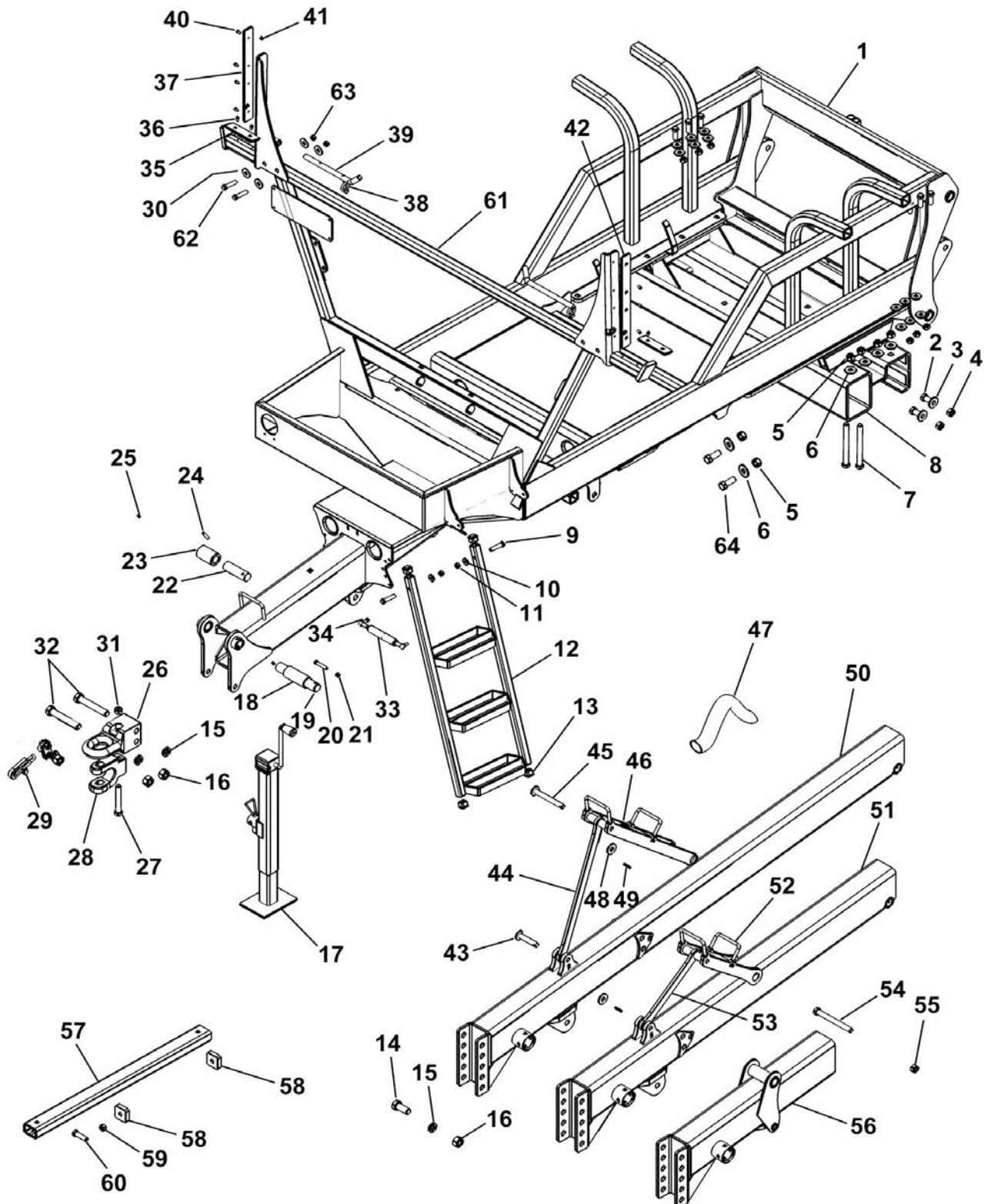
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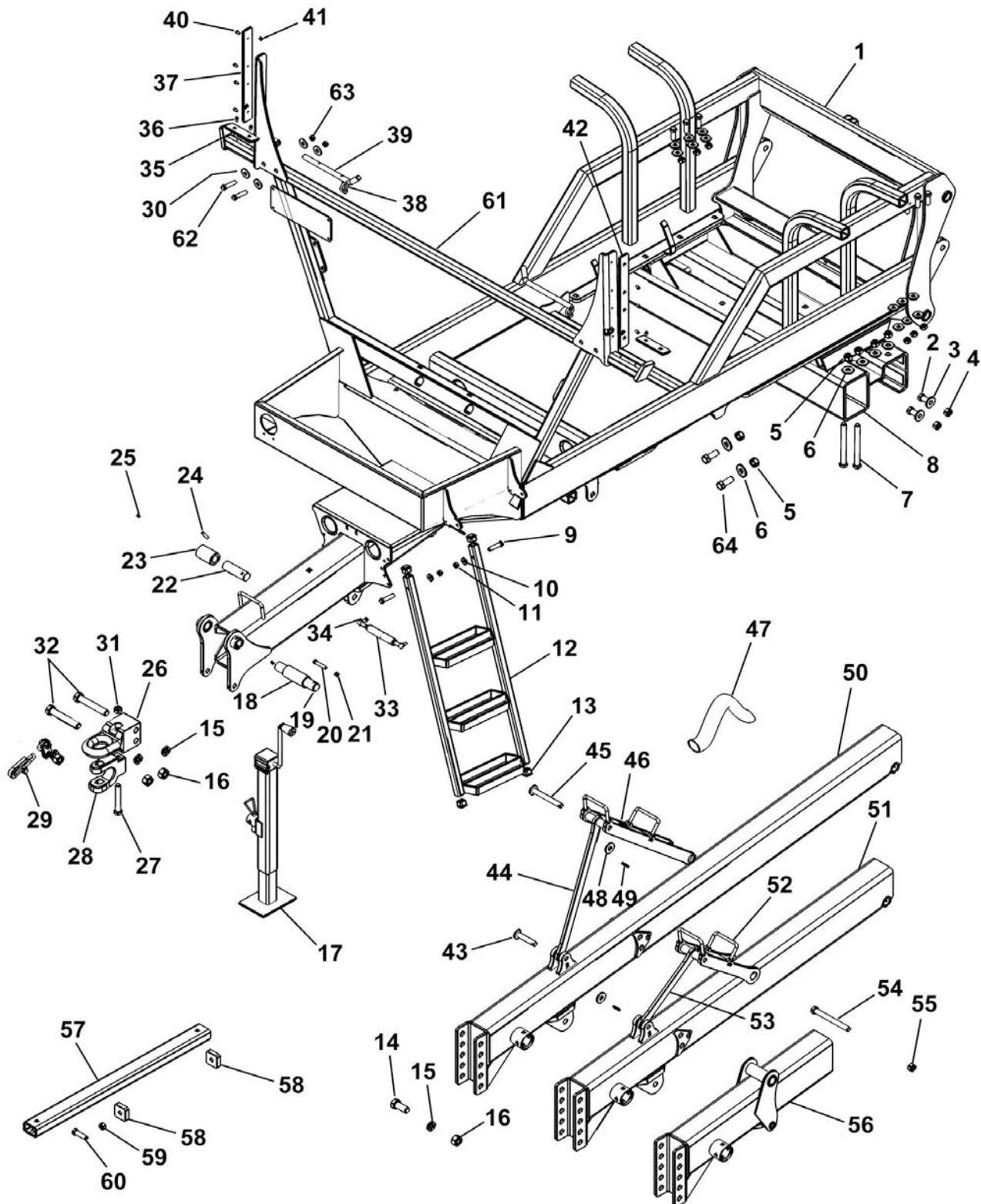
Trailer - 9600




ILLUSTRATED PARTS LIST

Trailer - 9600 Parts List

| 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 | Easylift Cylinder (For Use With Ladder Item 12) | 1 | | | |

Trailer - 9600


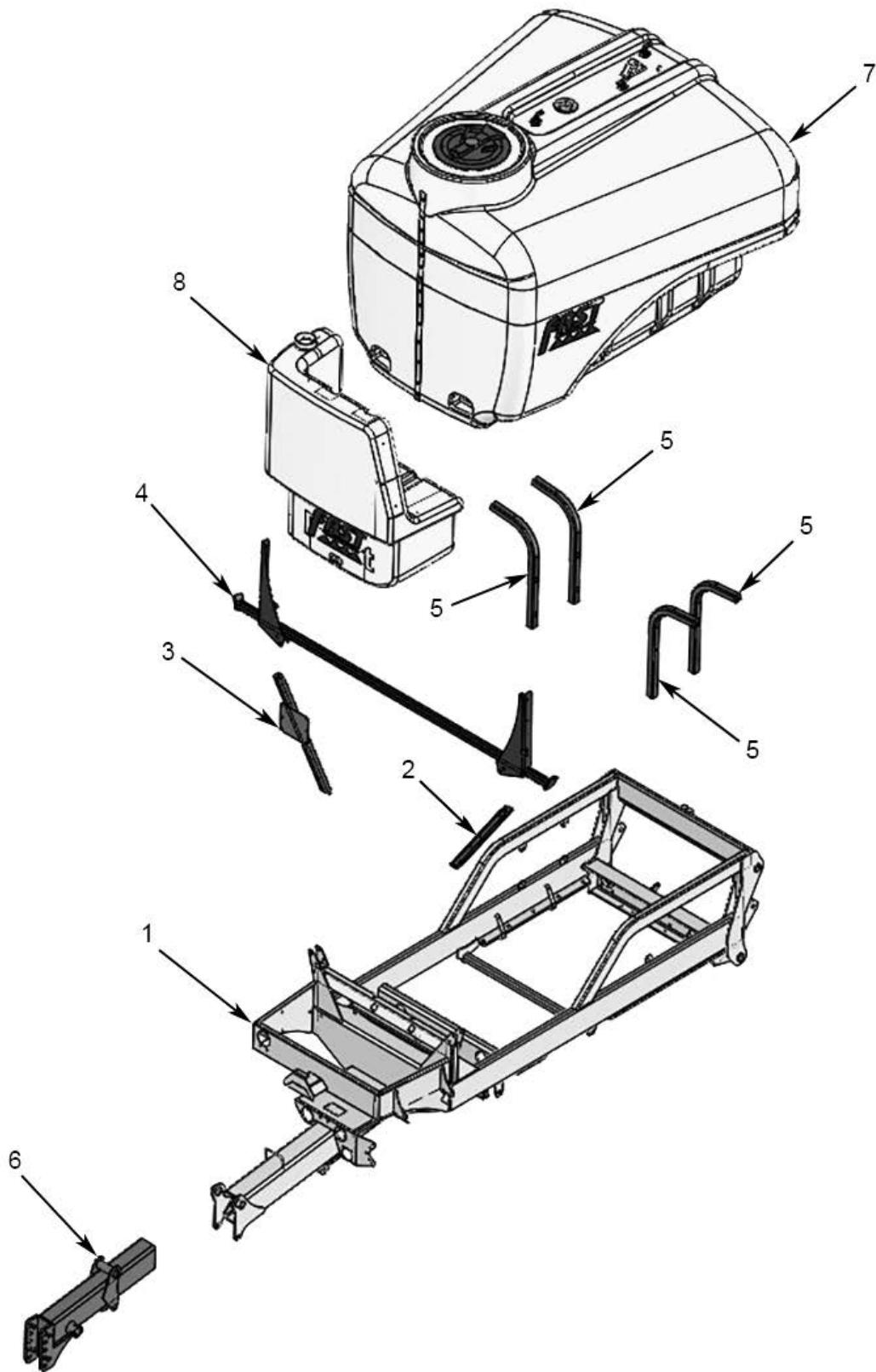


ILLUSTRATED PARTS LIST

Trailer - 9600 Parts List

| 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 Chamfered Plastic Right | 1 | | | |
| 38 | 715300927 | 720001 | Kwik Clip Pin | 2 | | | |
| 39 | | 7618 | Safety Latch Pin | 2 | | | |
| 40 | | 671 | Flat Head Socket Cap Screw 1/4x7/8" | 8 | | | |
| 41 | | 235 | Nut Hex Head 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 Fixed 60', Non Weighted | 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" GR5 Zp | AR | | | |
| 61 | | 13246 | Wing Rest, Top | 1 | | | |
| 62 | | 157 | Bolt Hex Head 1/2 x 3-1/2 GR5 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

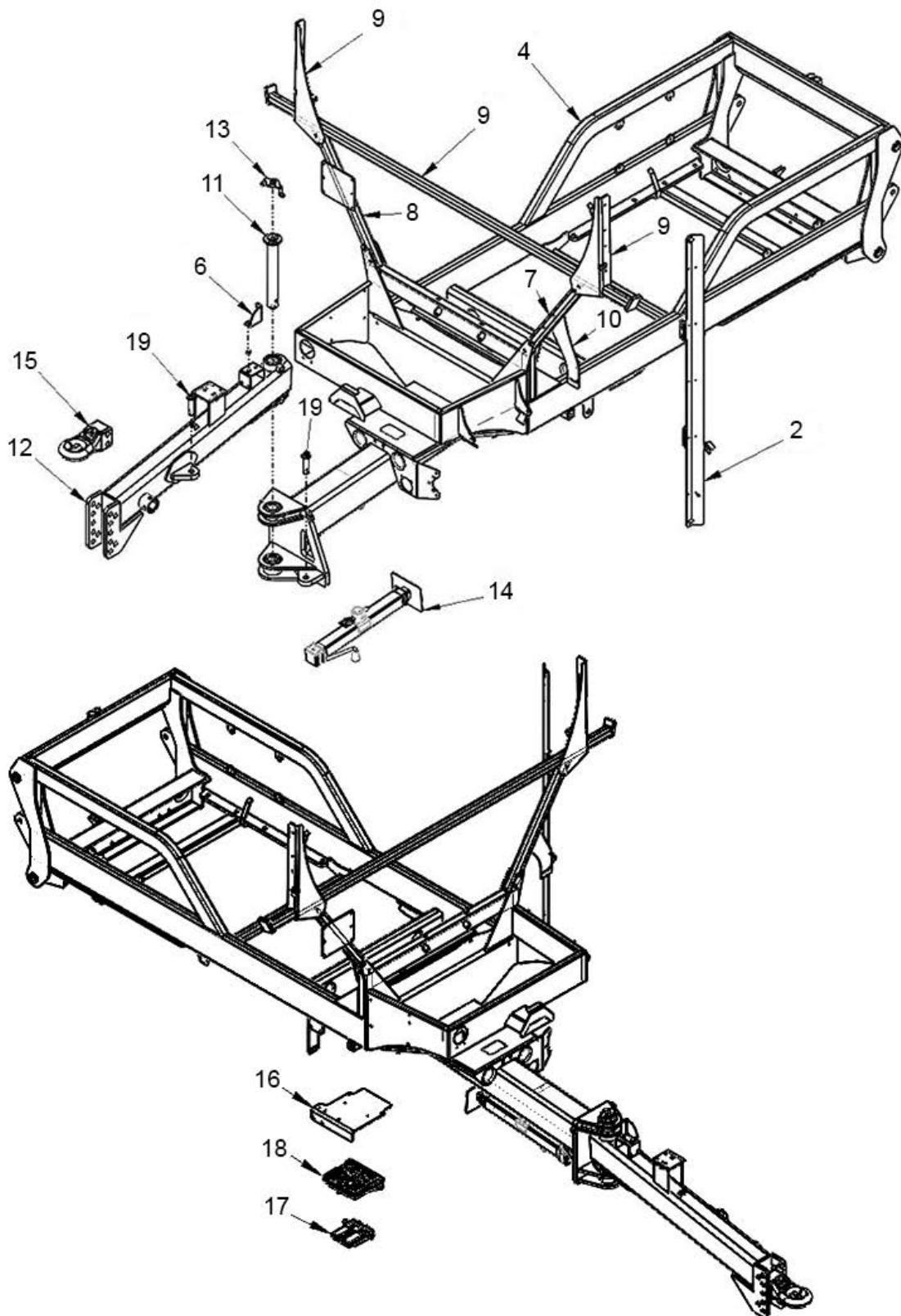




ILLUSTRATED PARTS LIST

Trailer - 9600N Parts List

| 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 |

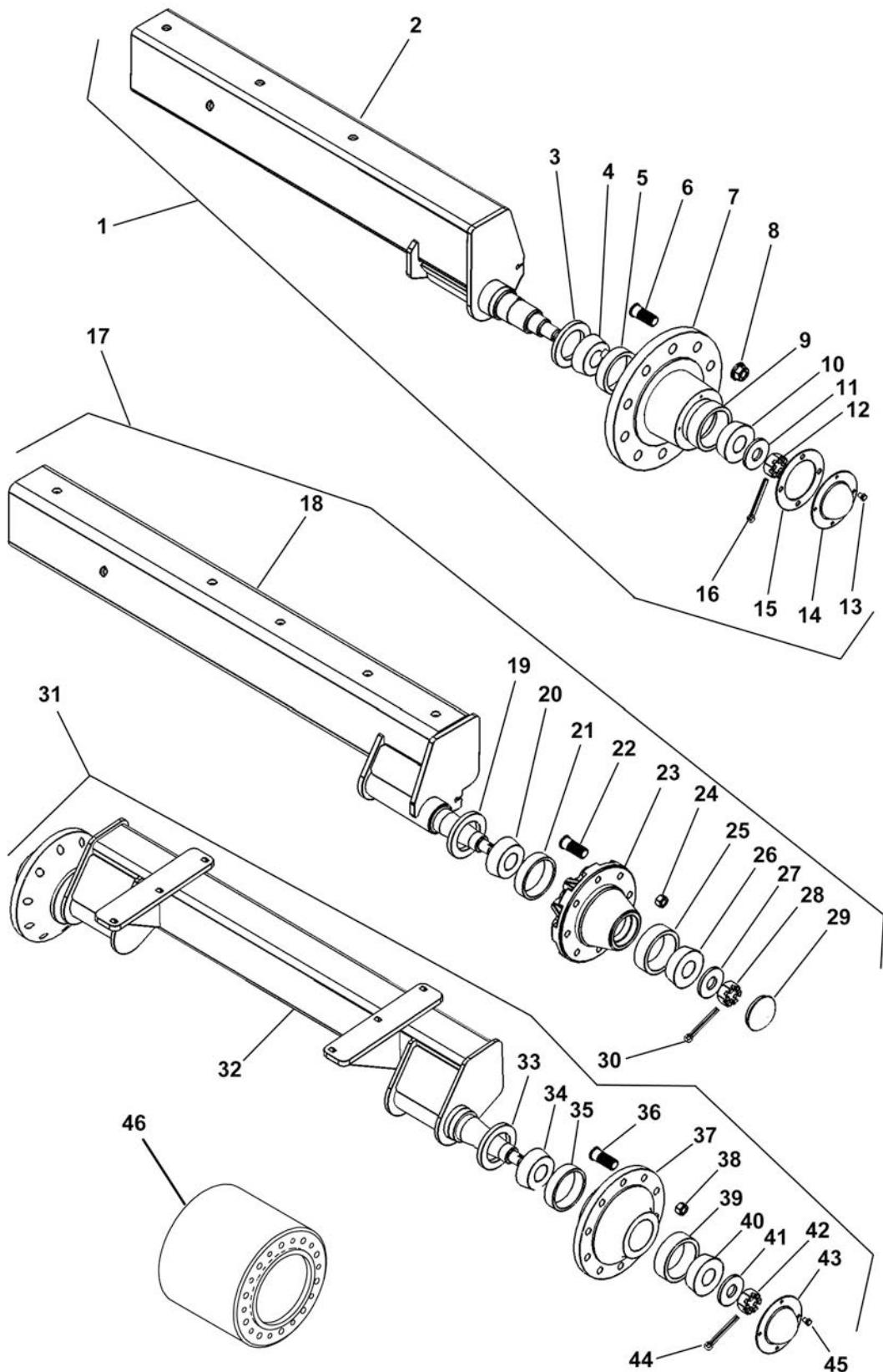
Steerable Trailer - 9600N



ILLUSTRATED PARTS LIST

Steerable Trailer - 9600N Parts List

| 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 |

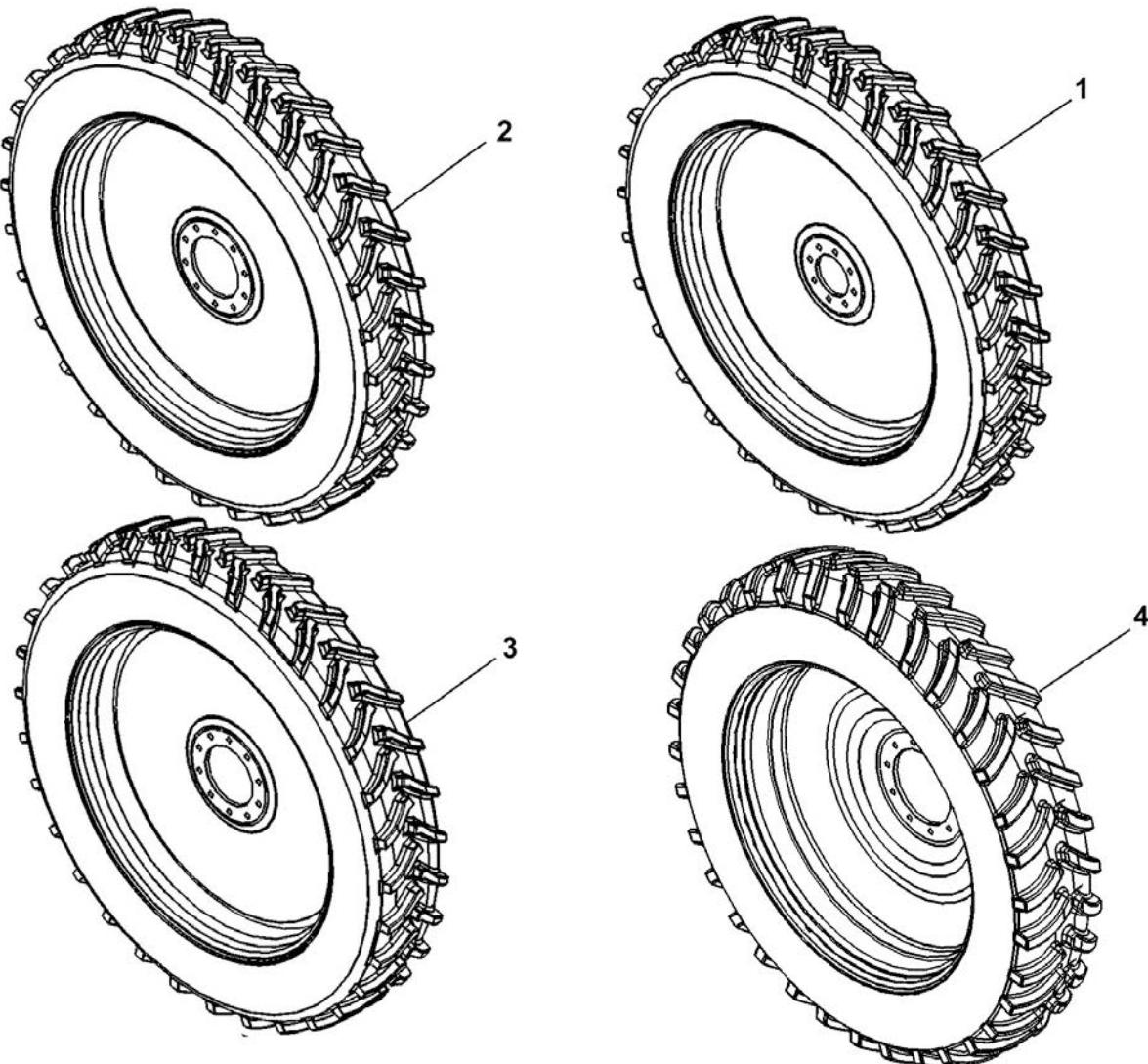
Axles



ILLUSTRATED PARTS LIST

Axles Parts List

| ITEM | VENDOR PART NO. | PART NO. | QTY. | DESCRIPTION |
|------|--------------------|----------|------|---|
| 1 | | 13586 | 2 | Axle Assembly 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 | Washer 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 | Washer 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 | Washer 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 |

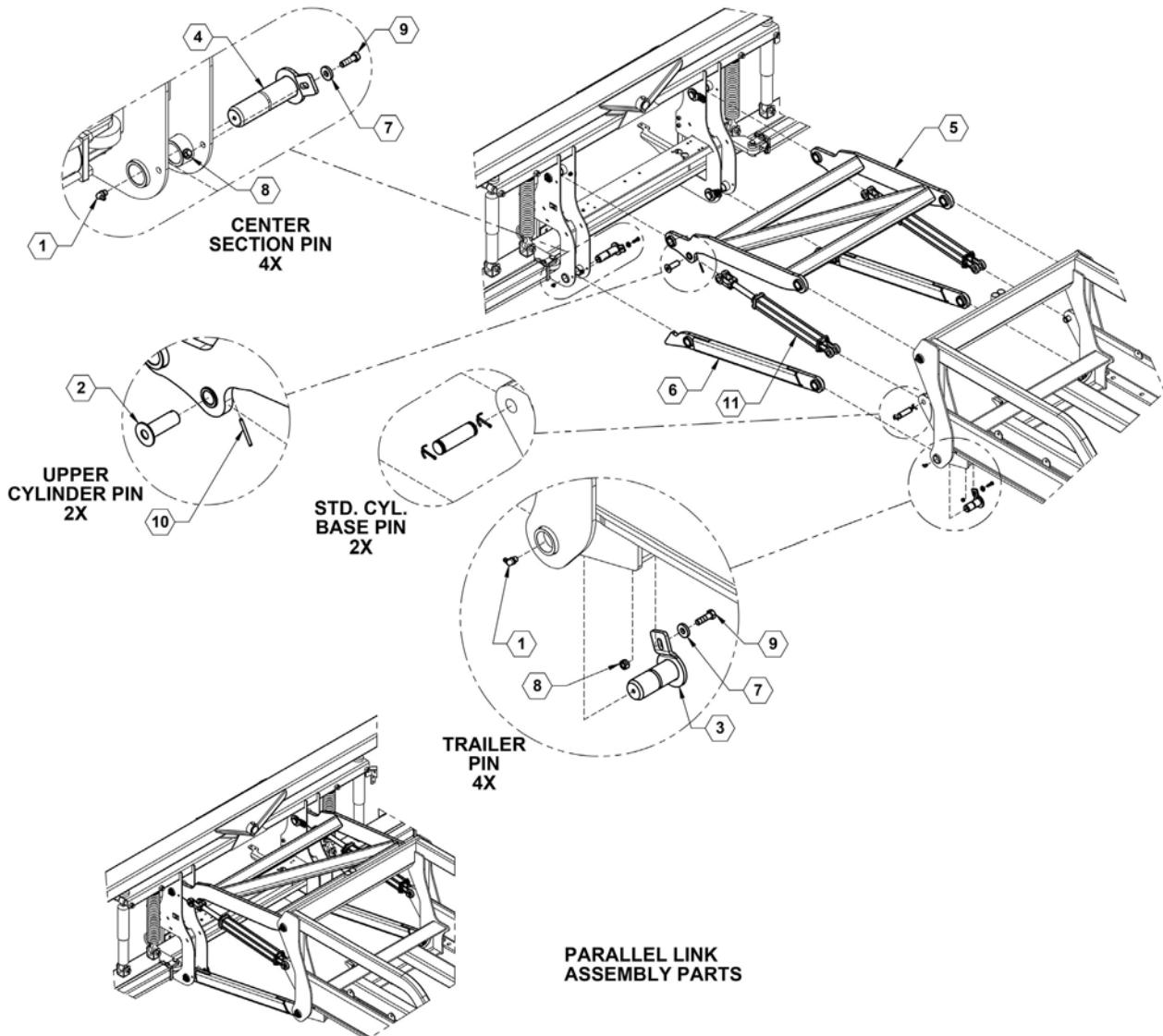
Tires



ILLUSTRATED PARTS LIST

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 | 320/90R6 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 |

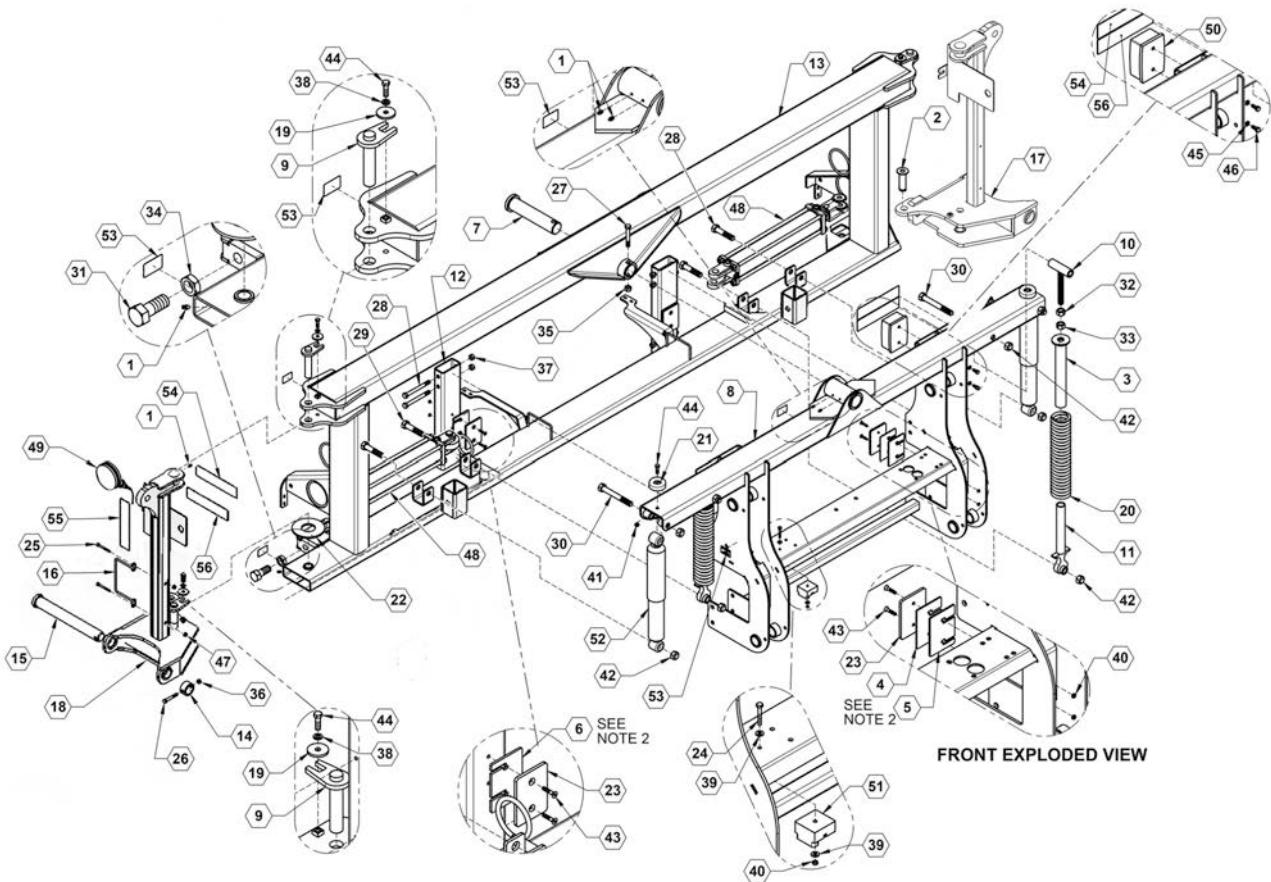
Parallel Link Assembly



ILLUSTRATED PARTS LIST

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 MAGNI |
| 9 | 596635M | 8 | BOLT, HH 3/8-16 x 1-1/4 MAGNI |
| 10 | 596746M | 2 | SPRING PIN 5X50mm MAGNI |
| 11 | 620019 | 2 | CYLINDER 20TD16-112 MAIN LIFT |

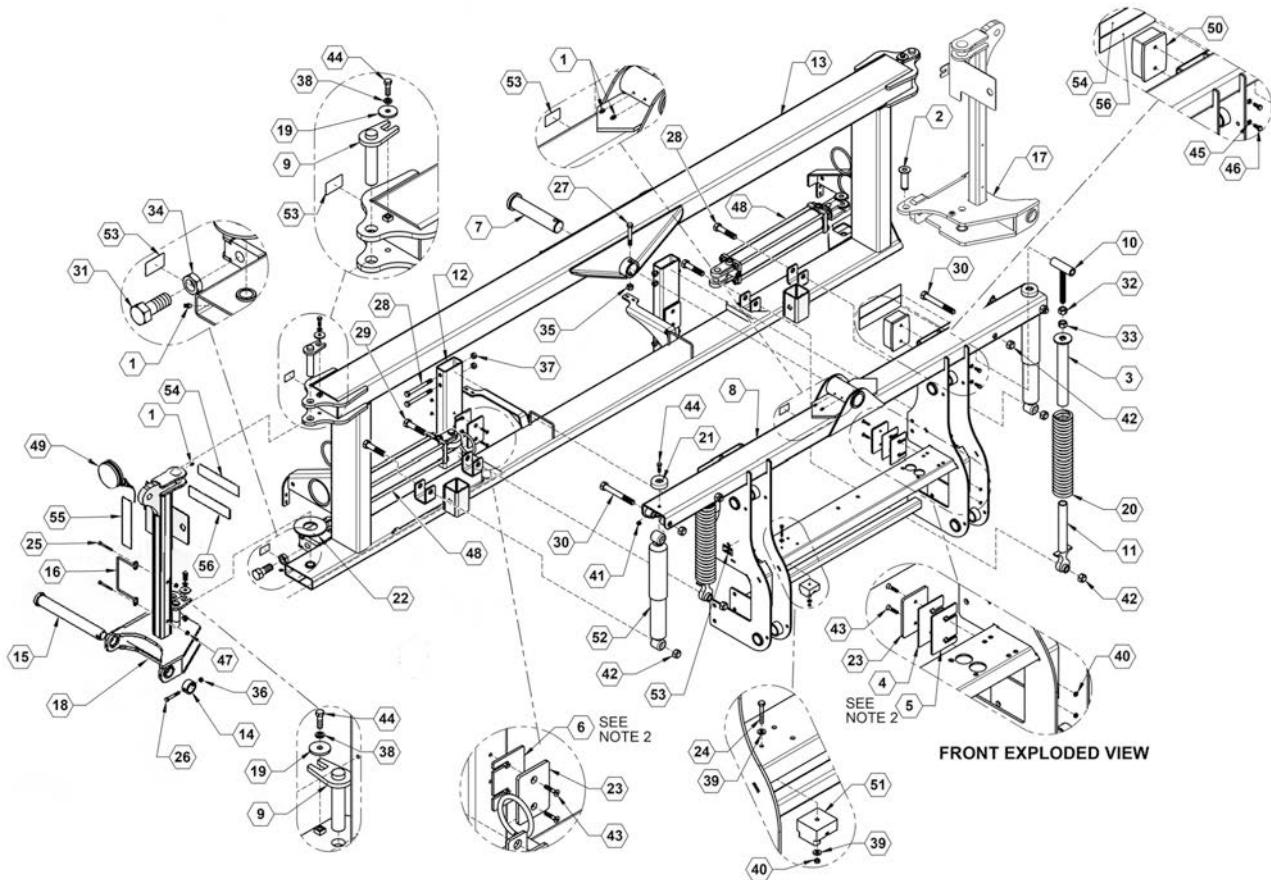
10' Center Section (Narrow)




ILLUSTRATED PARTS LIST

10' Center Section (Narrow) 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 | 14700 | 1 | CENTER SECTION, 10', NARROW |
| 14 | 14296 | 2 | BUSHING WITH HOLE |
| 15 | 14300 | 2 | PIN, MAIN WING |
| 16 | 18267 | 2 | BOLT ON HOSE HOLDER |
| 17 | 21356L | 1 | PIVOT, WING LH, 9600N |
| 18 | 21356R | 1 | PIVOT, WING, RH, 9600N |
| 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 |

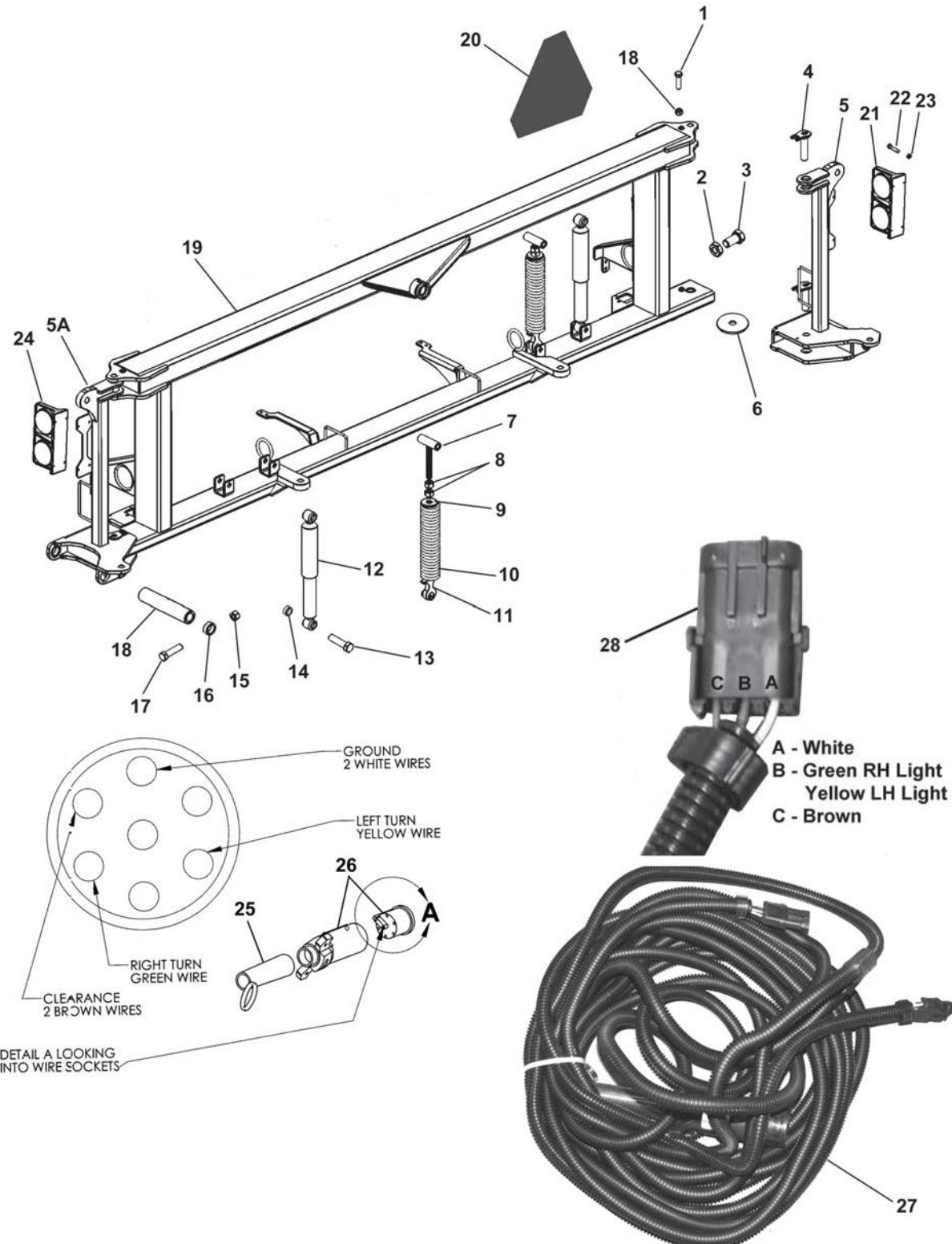
10' Center Section (Narrow)

FRONT EXPLODED VIEW



ILLUSTRATED PARTS LIST

10' Center Section (Narrow) 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 | 620017 | 2 | CYLINDER, 25TD12-112 DOUBLE ACTING |
| 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 |

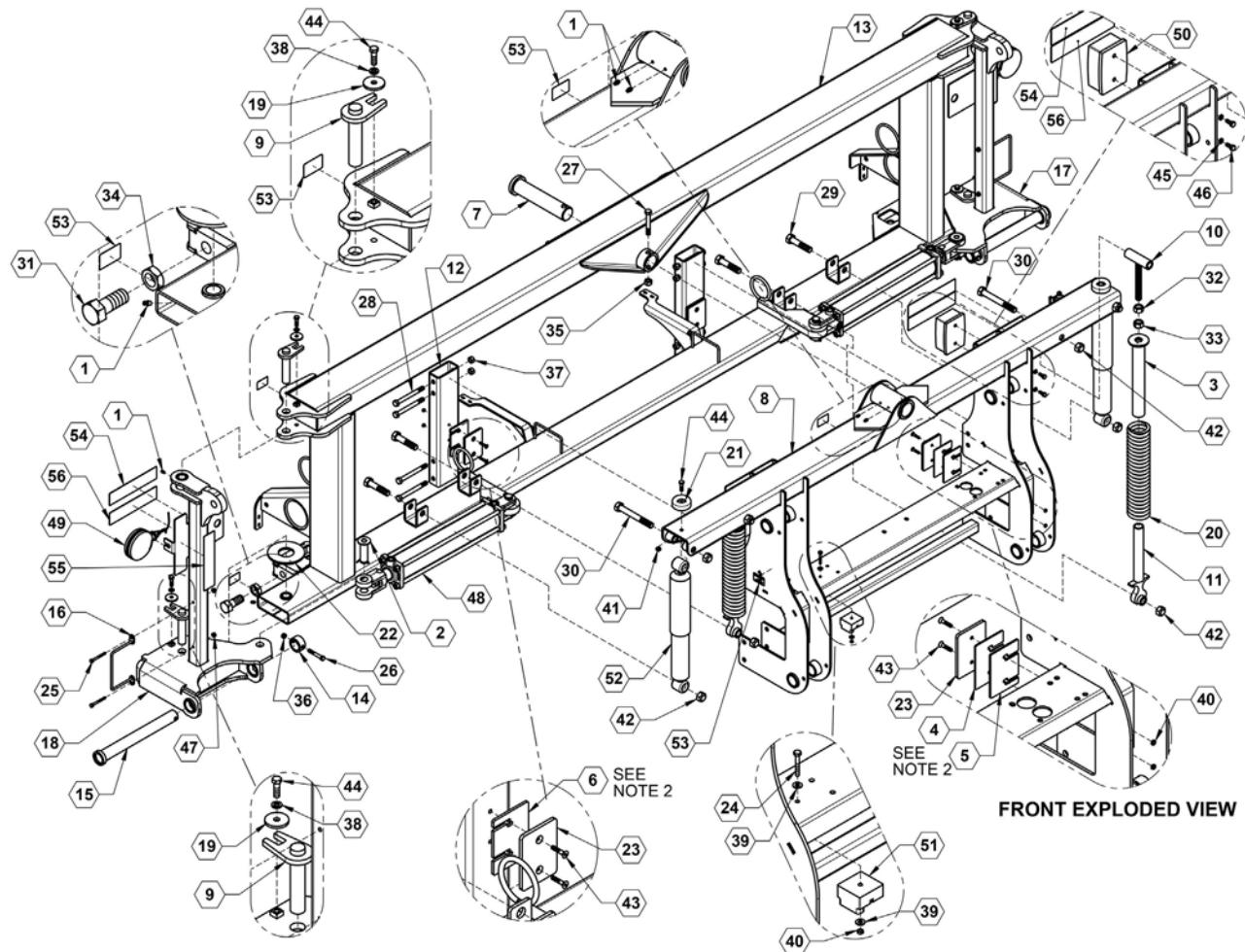
12' Center Section (Dry Boom)




ILLUSTRATED PARTS LIST

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 |

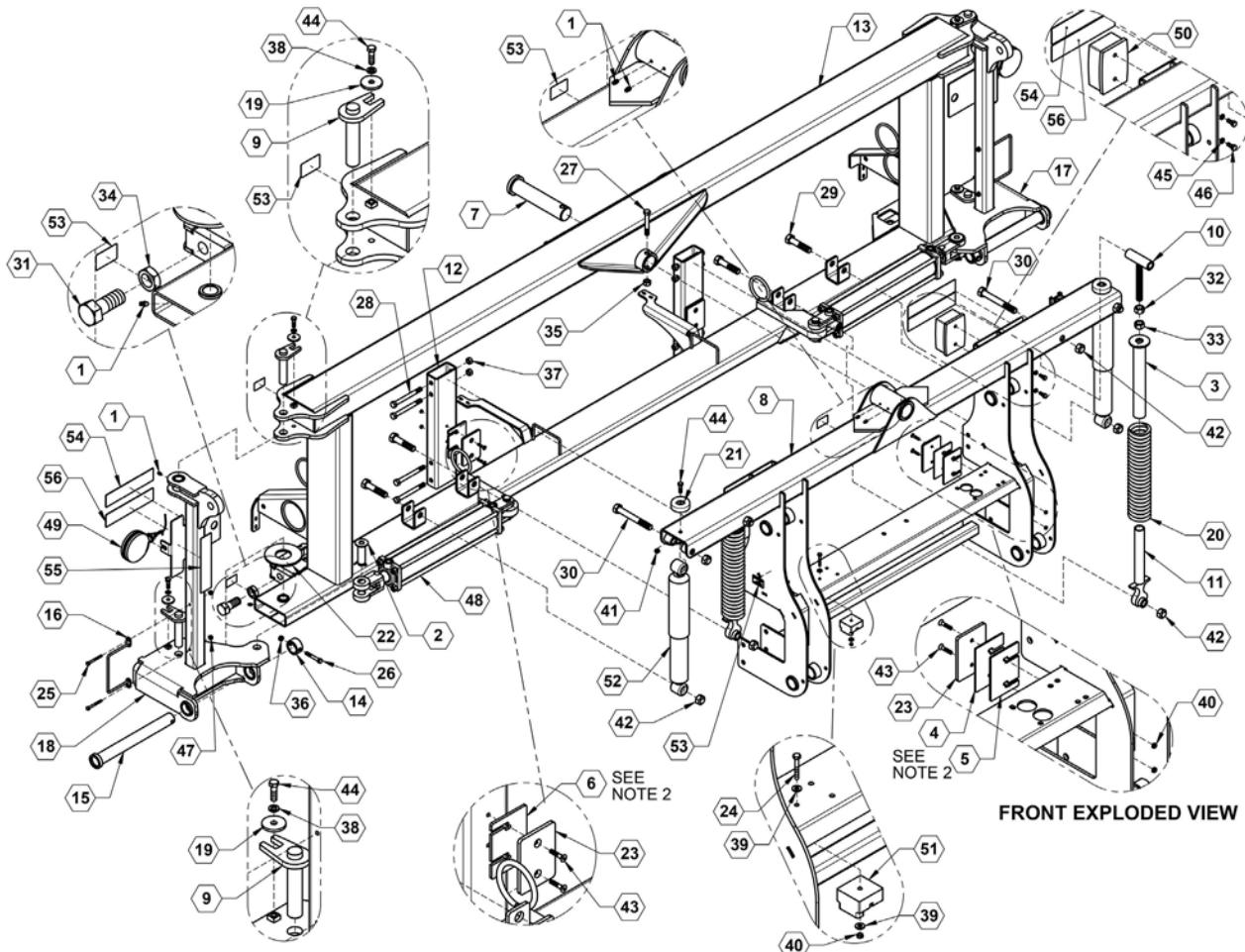
12' Center Section, 80 - 100' Boom




ILLUSTRATED PARTS LIST

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 |

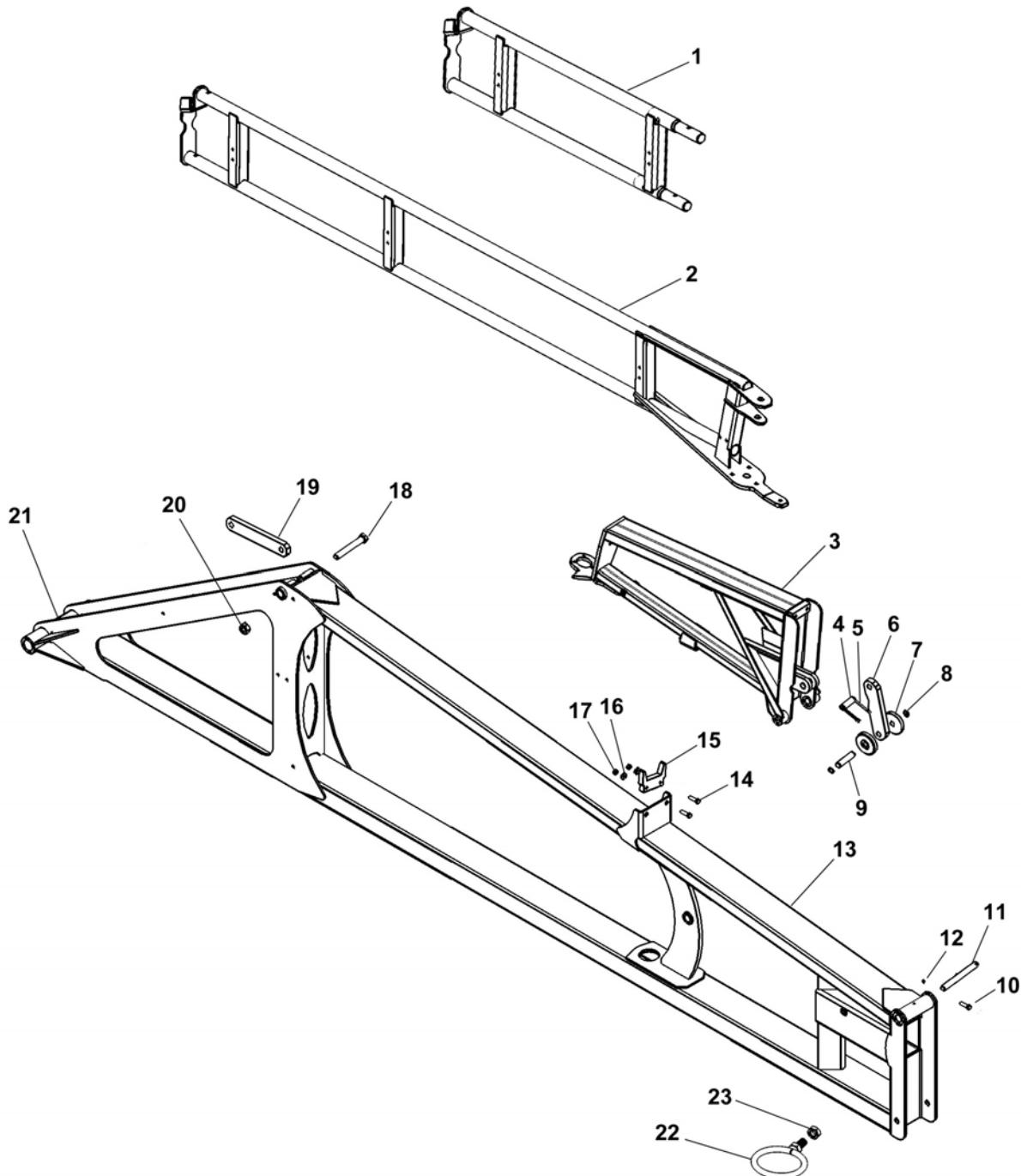
12' Center Section, 80 - 100' Boom




ILLUSTRATED PARTS LIST

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 |

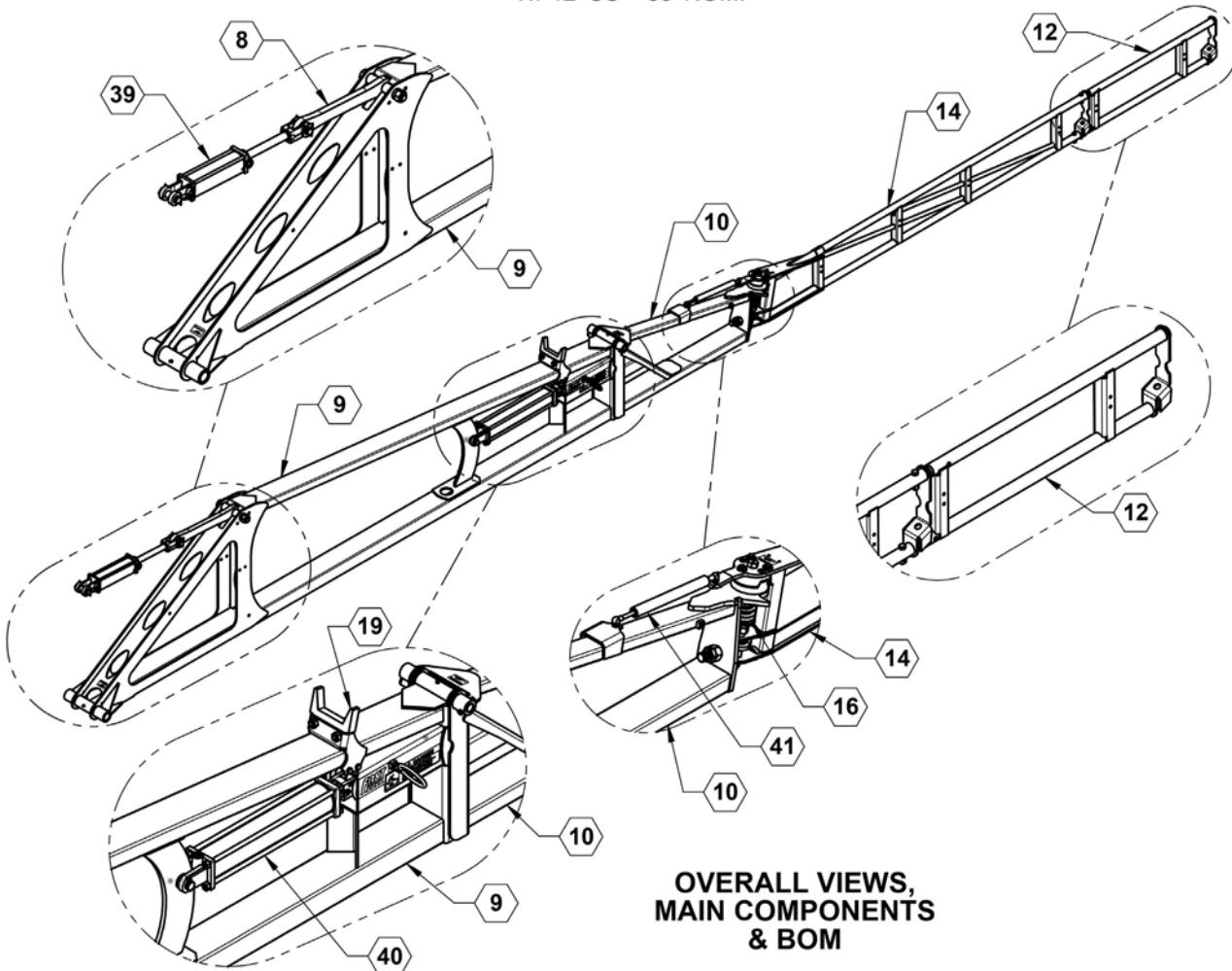
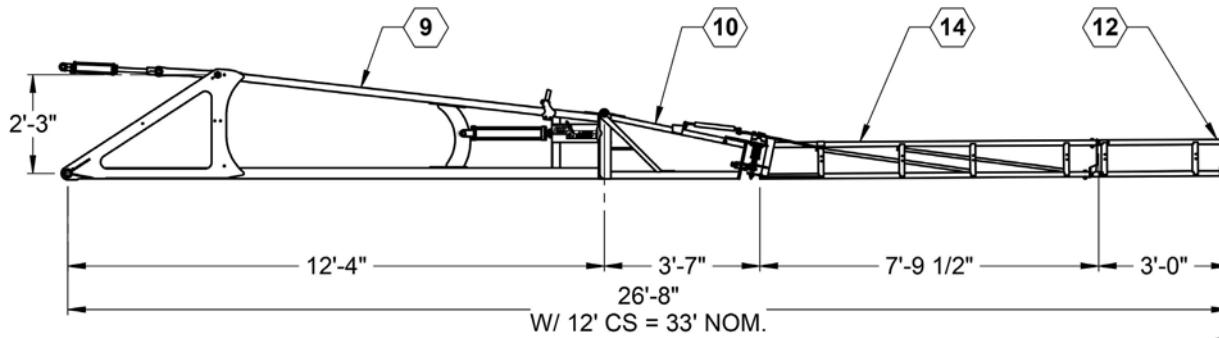
Wings - 60 & 66 Foot Boom - Standard



ILLUSTRATED PARTS LIST

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 |

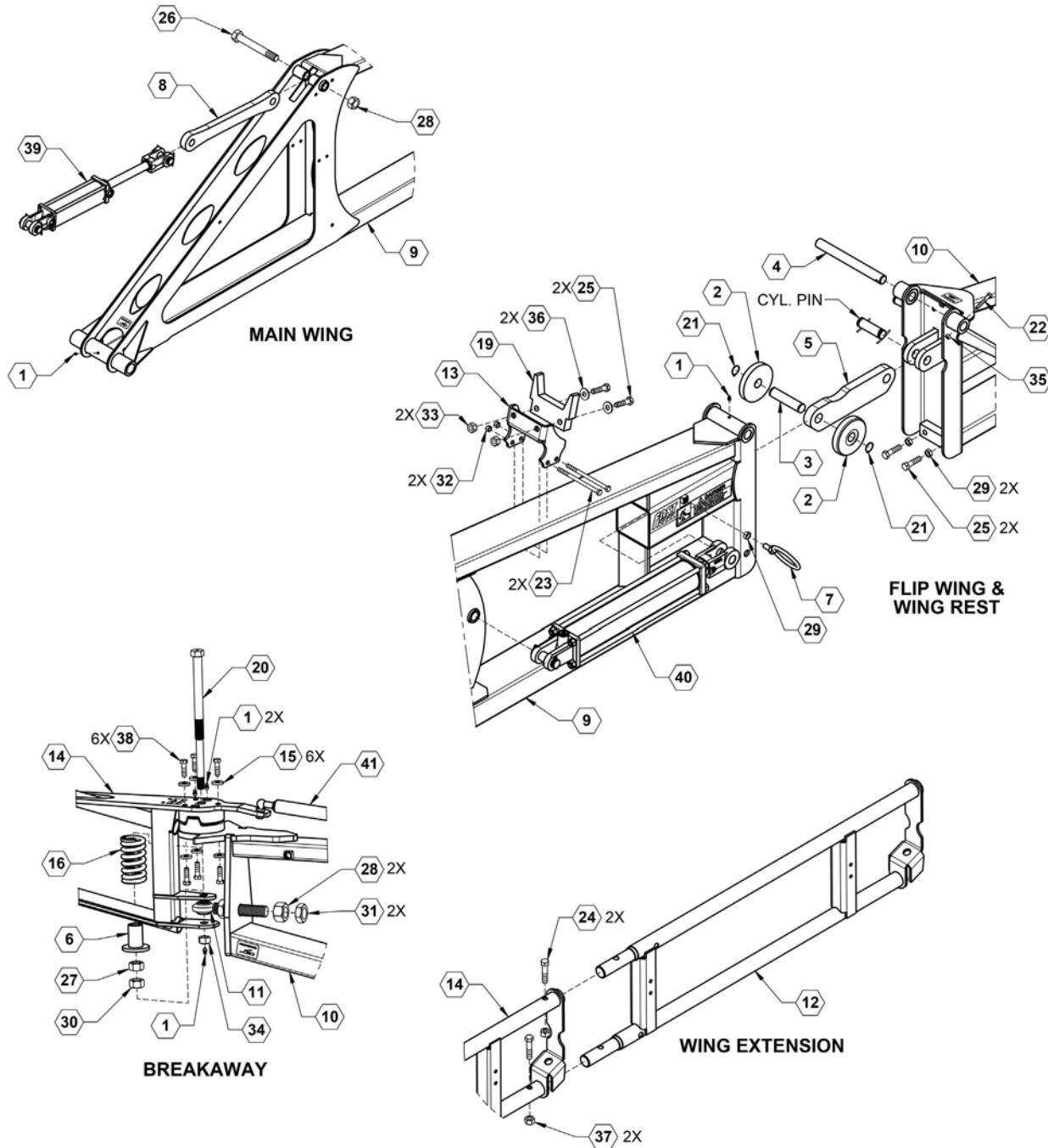
Wings - 60 & 66 Foot Boom




ILLUSTRATED PARTS LIST

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/GREY |
| | 800106 | 2 | DECAL, DANGER-STAND CLEAR |
| | 800110 | 3 | DECAL, AMBER REFLECTOR |

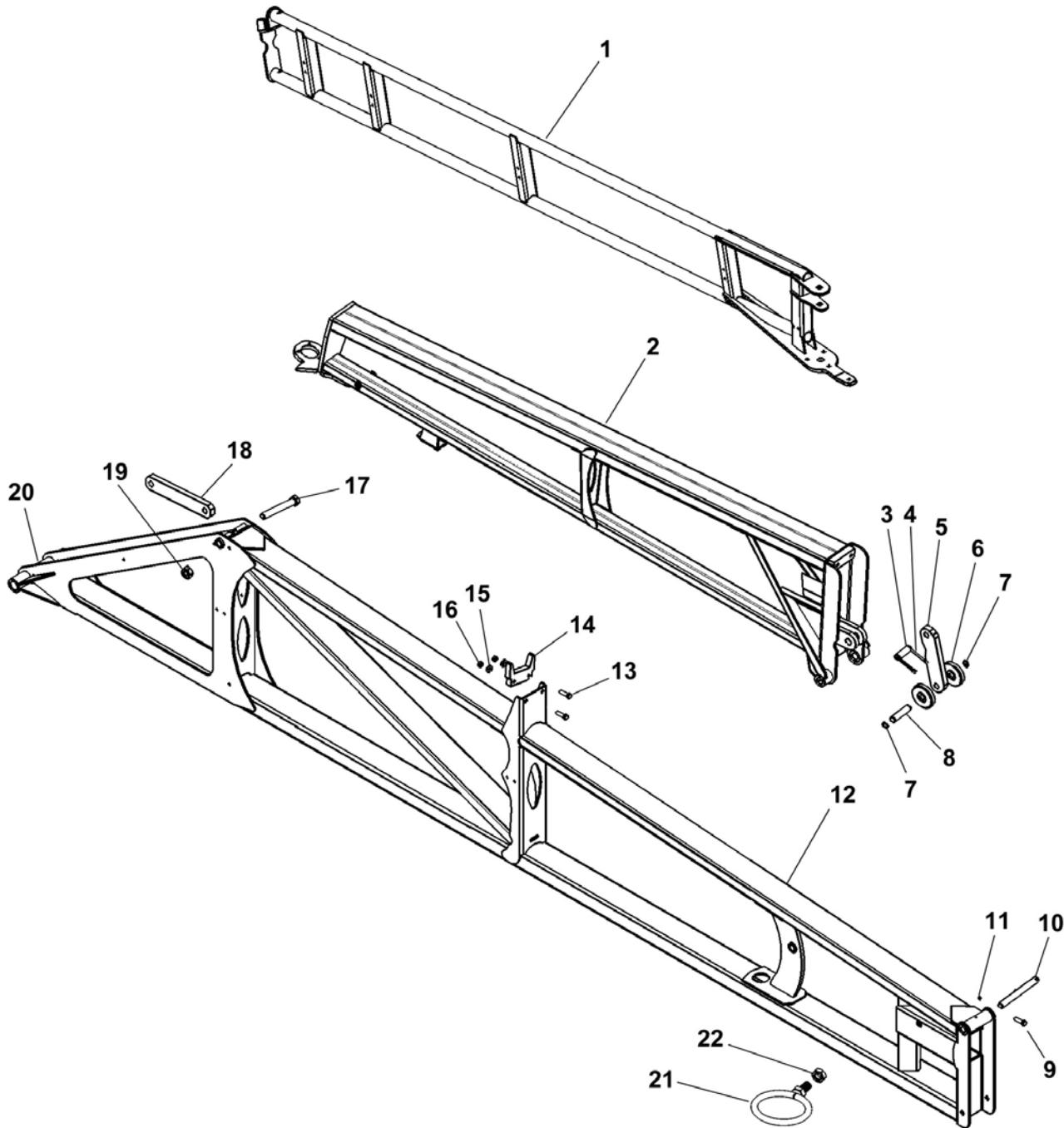
Wings - 60 & 66 Foot Boom

EXPLODED PARTS VIEWS



ILLUSTRATED PARTS LIST

Wings - 60 & 66 Boom Parts List

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

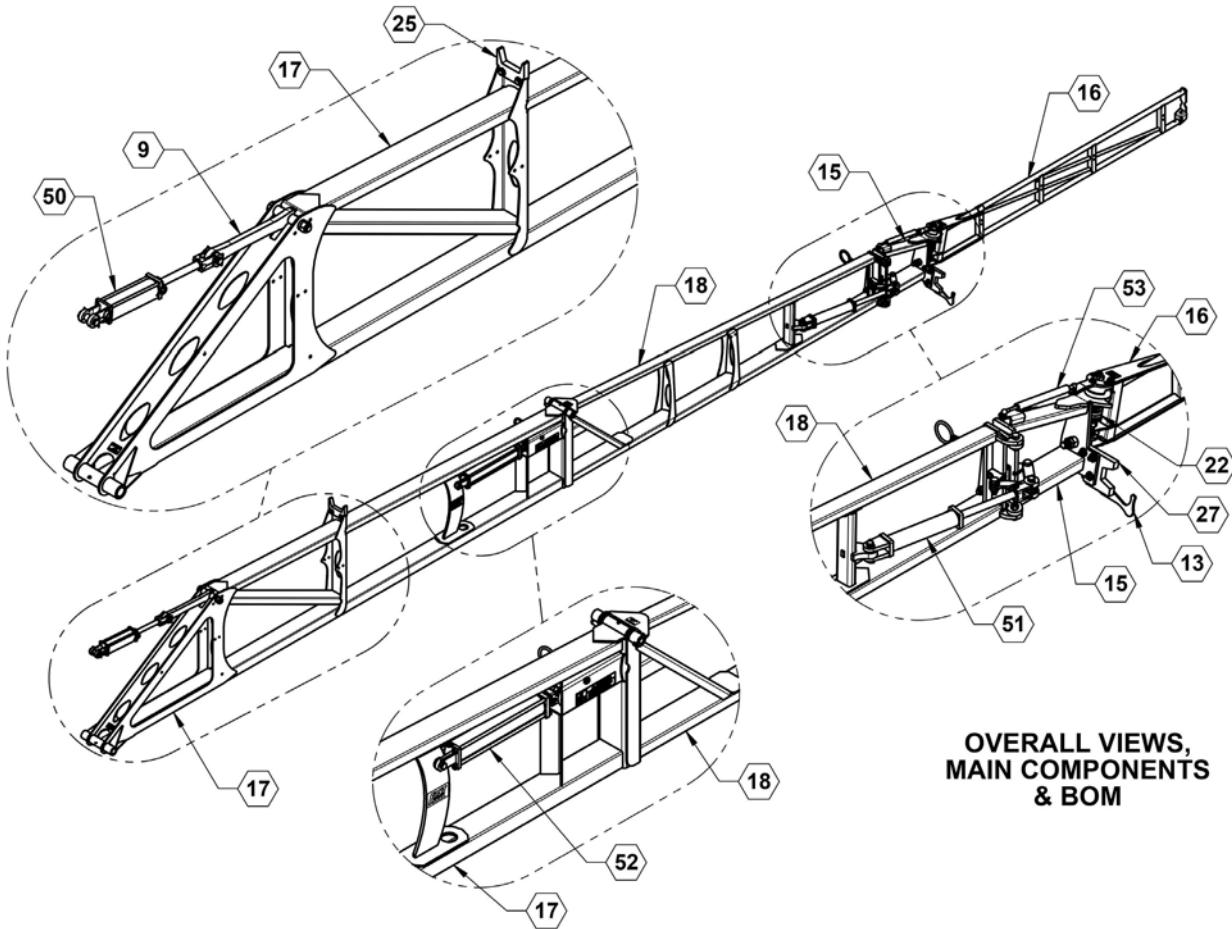
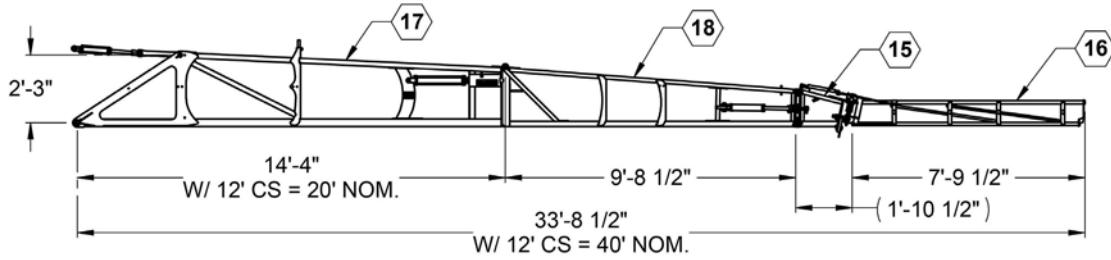
Wings - 80, 90 & 100 Foot Boom - Standard



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 | | | |

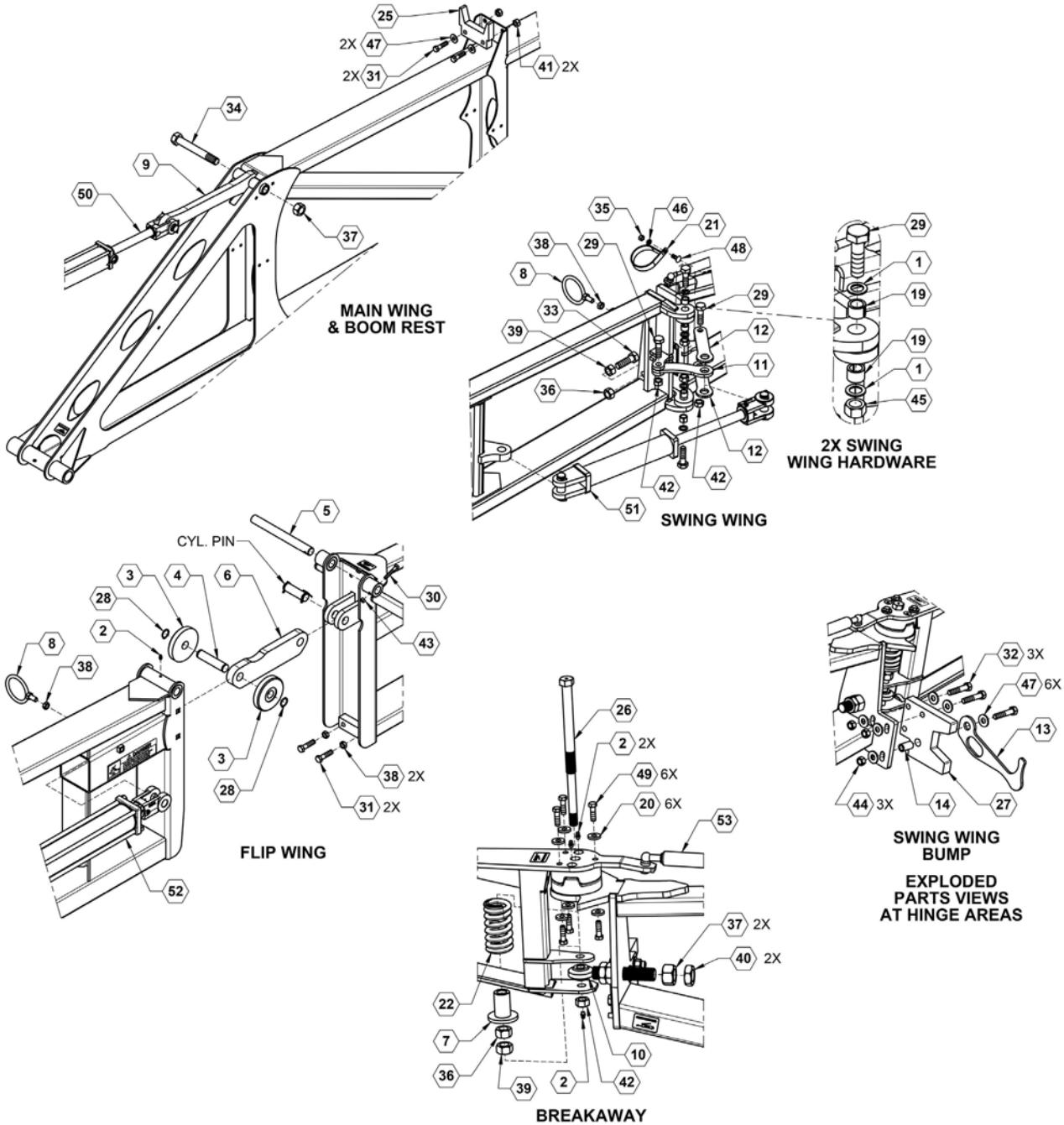
Wings - Tri-Fold 40/80 Foot Boom




ILLUSTRATED PARTS LIST

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 |

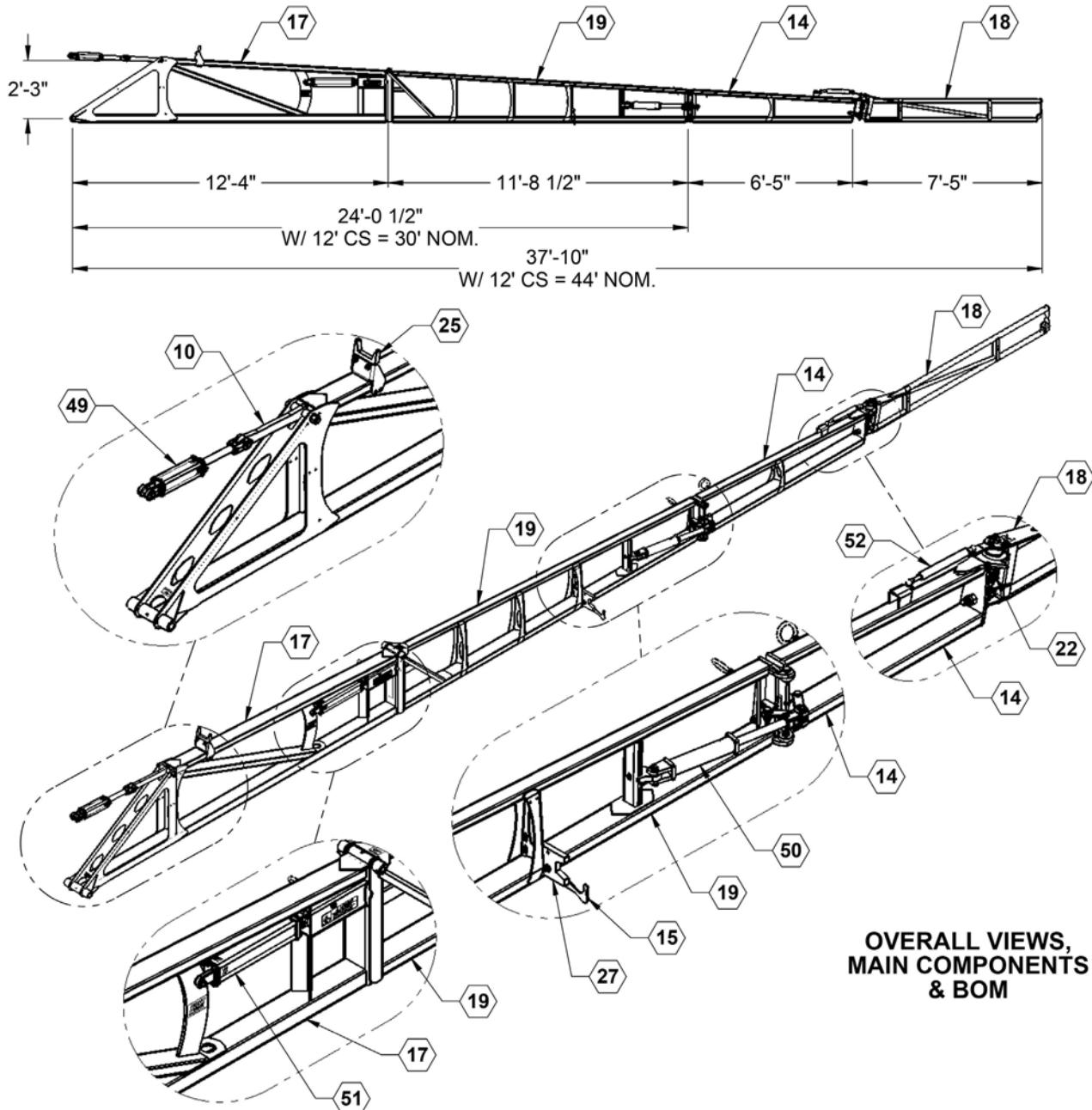
Wings - Tri-Fold 40/80 Foot Boom




ILLUSTRATED PARTS LIST

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


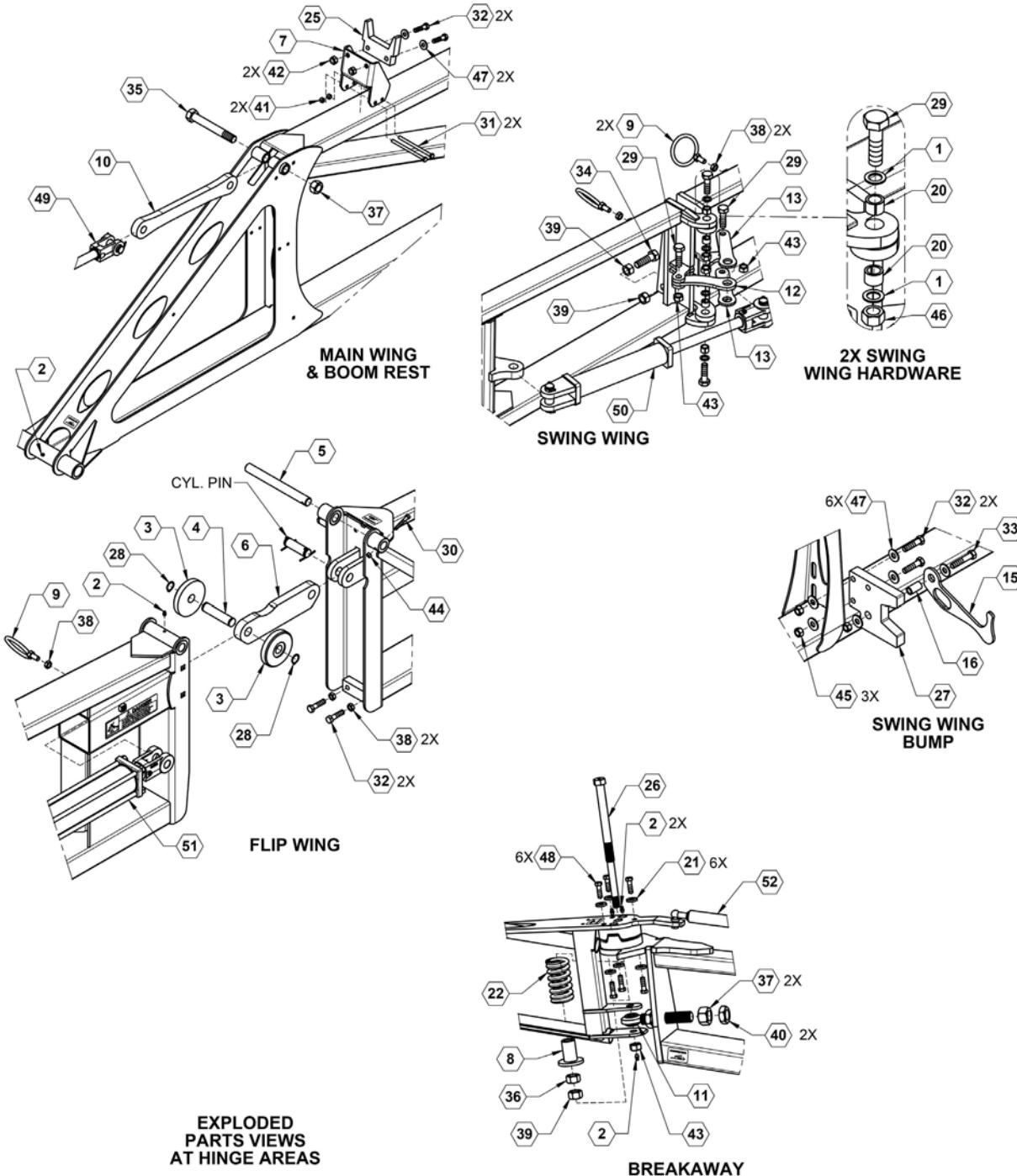
**OVERALL VIEWS,
MAIN COMPONENTS
& BOM**



ILLUSTRATED PARTS LIST

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/GREY |
| | 800105 | 1 | DECAL, WARNING-STAND CLEAR |
| | 800106 | 2 | DECAL, DANGER-STAND CLEAR |
| | 800110 | 3 | DECAL, AMBER REFLECTOR |

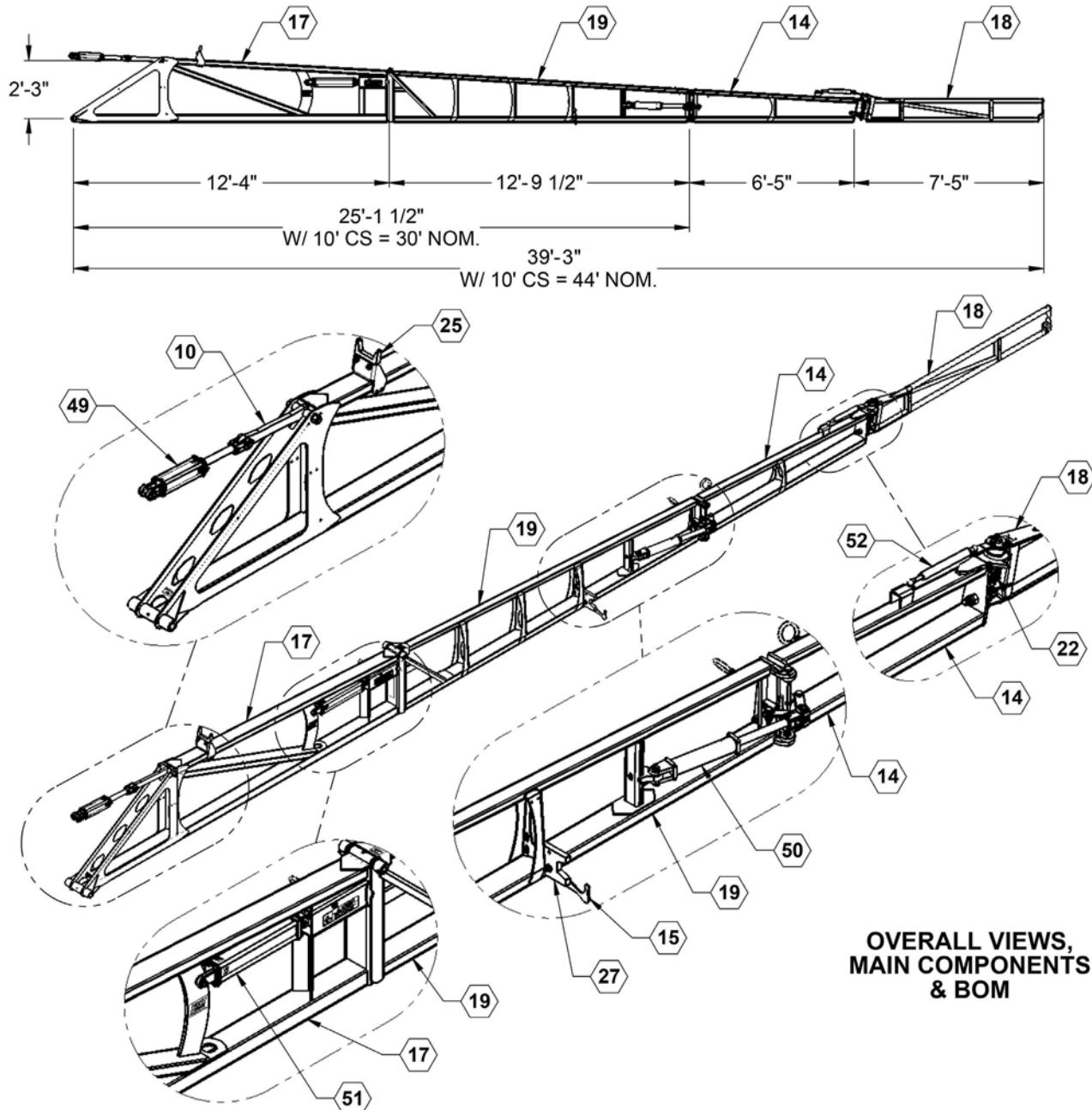
Wings - Tri-Fold 60/88 Foot Boom




ILLUSTRATED PARTS LIST

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 |

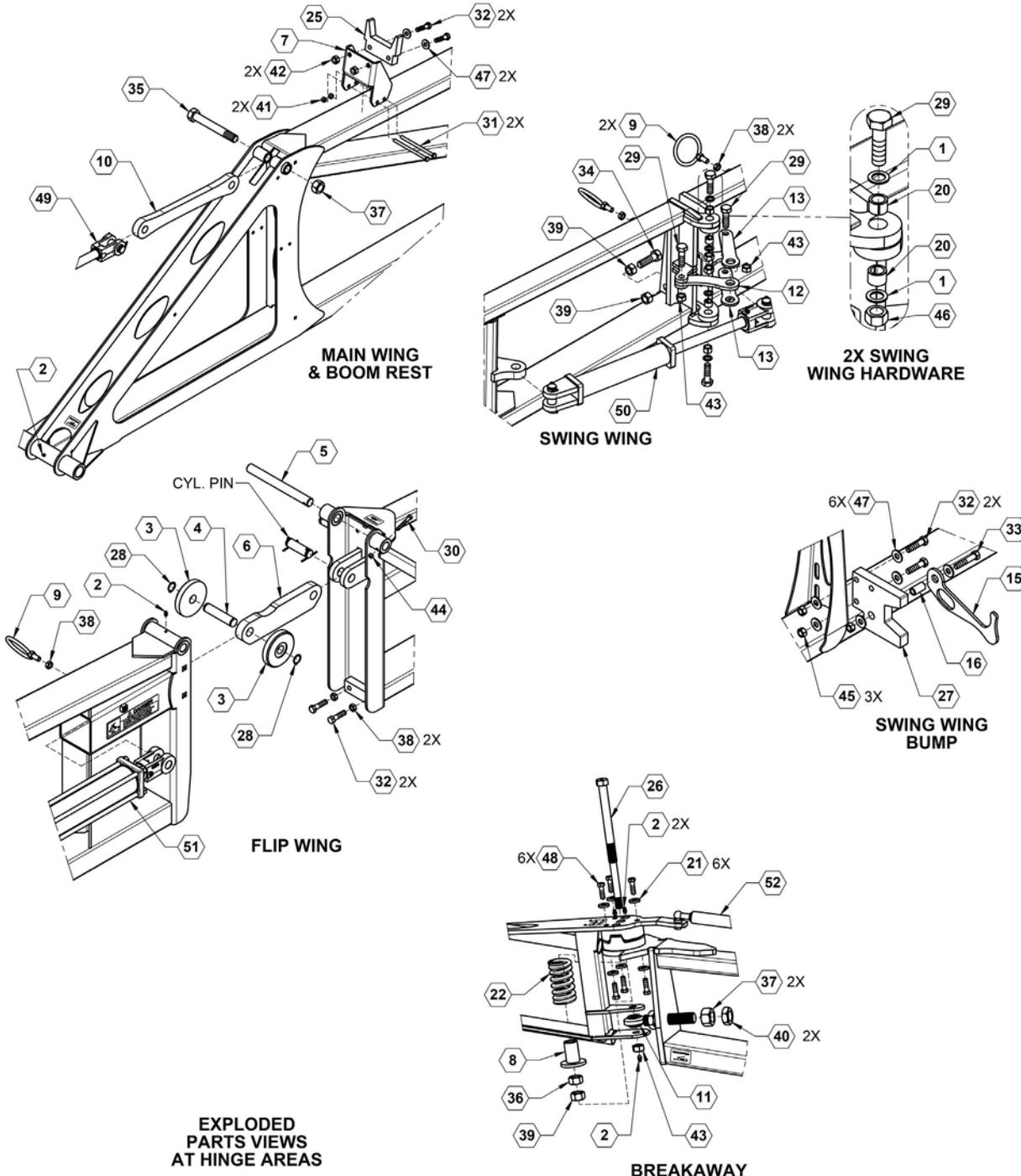
Wings - Narrow Tri-Fold 60/88 Foot Boom




ILLUSTRATED PARTS LIST

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/GREY |
| | 800105 | 1 | DECAL, WARNING-STAND CLEAR |
| | 800106 | 2 | DECAL, DANGER-STAND CLEAR |
| | 800110 | 3 | DECAL, AMBER REFLECTOR |

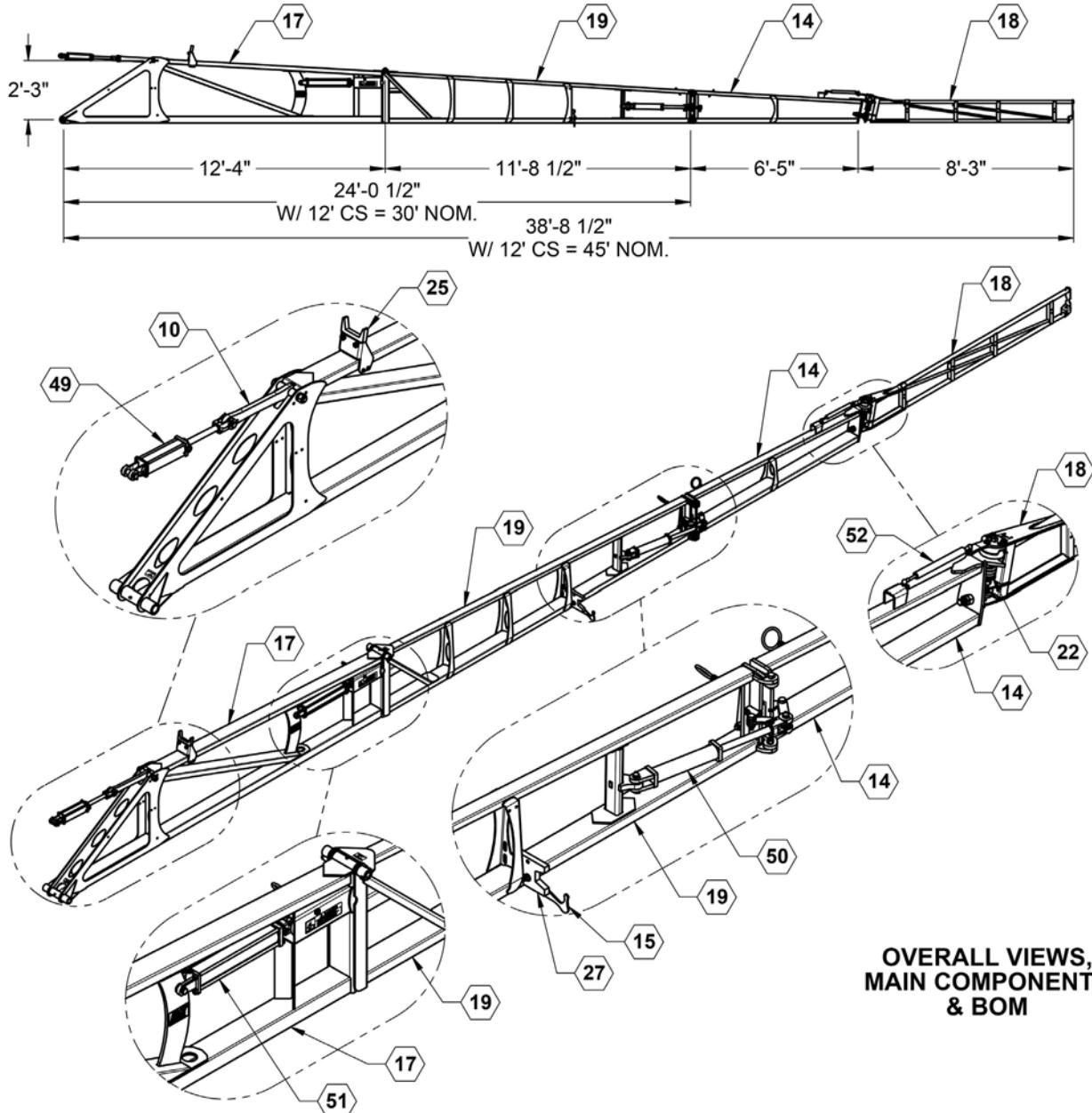
Wings - Narrow Tri-Fold 60/88 Foot Boom




ILLUSTRATED PARTS LIST

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


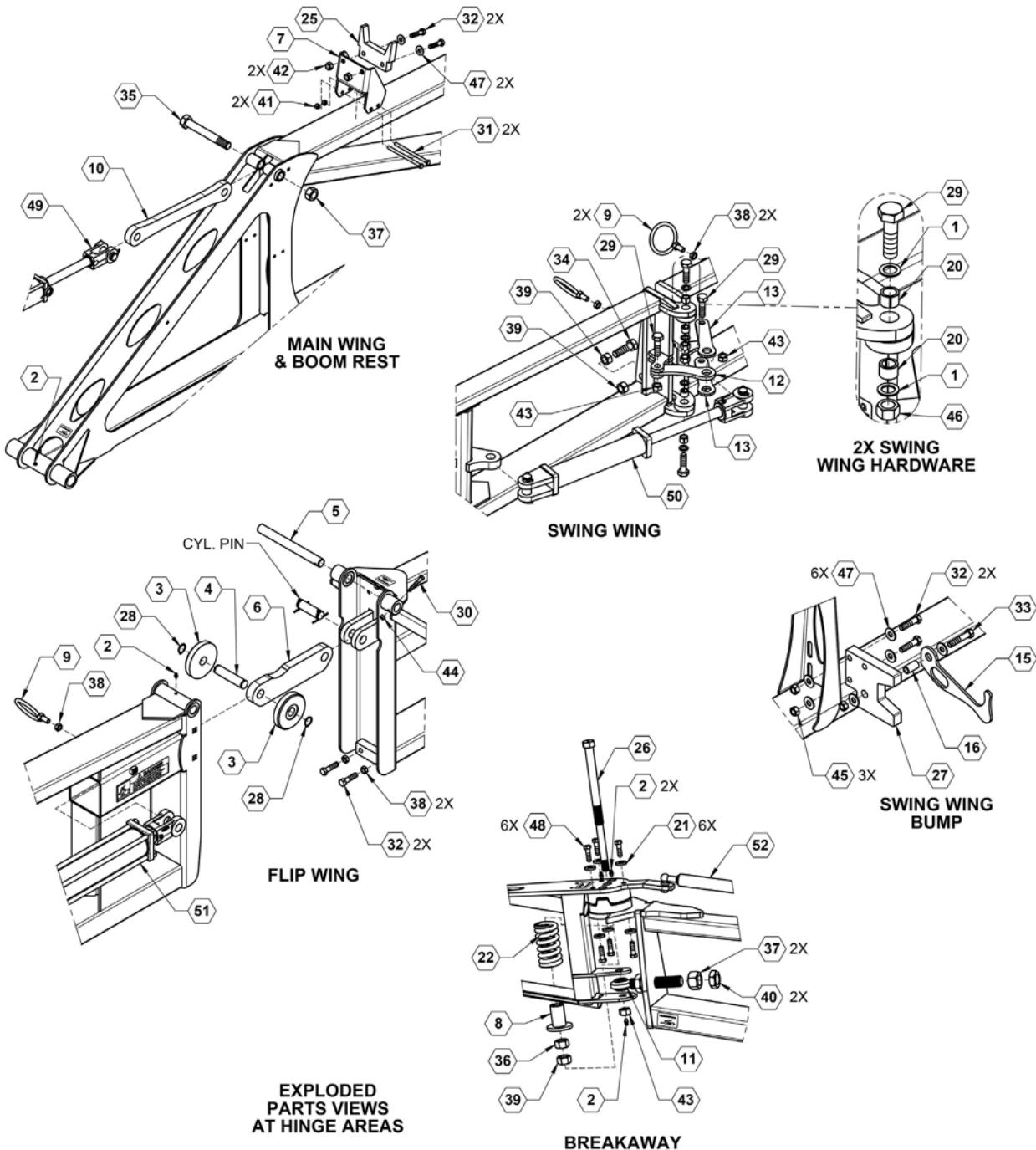
**OVERALL VIEWS,
MAIN COMPONENTS
& BOM**



ILLUSTRATED PARTS LIST

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/GREY |
| | 800105 | 1 | DECAL, WARNING-STAND CLEAR |
| | 800106 | 2 | DECAL, DANGER-STAND CLEAR |
| | 800110 | 3 | DECAL, AMBER REFLECTOR |

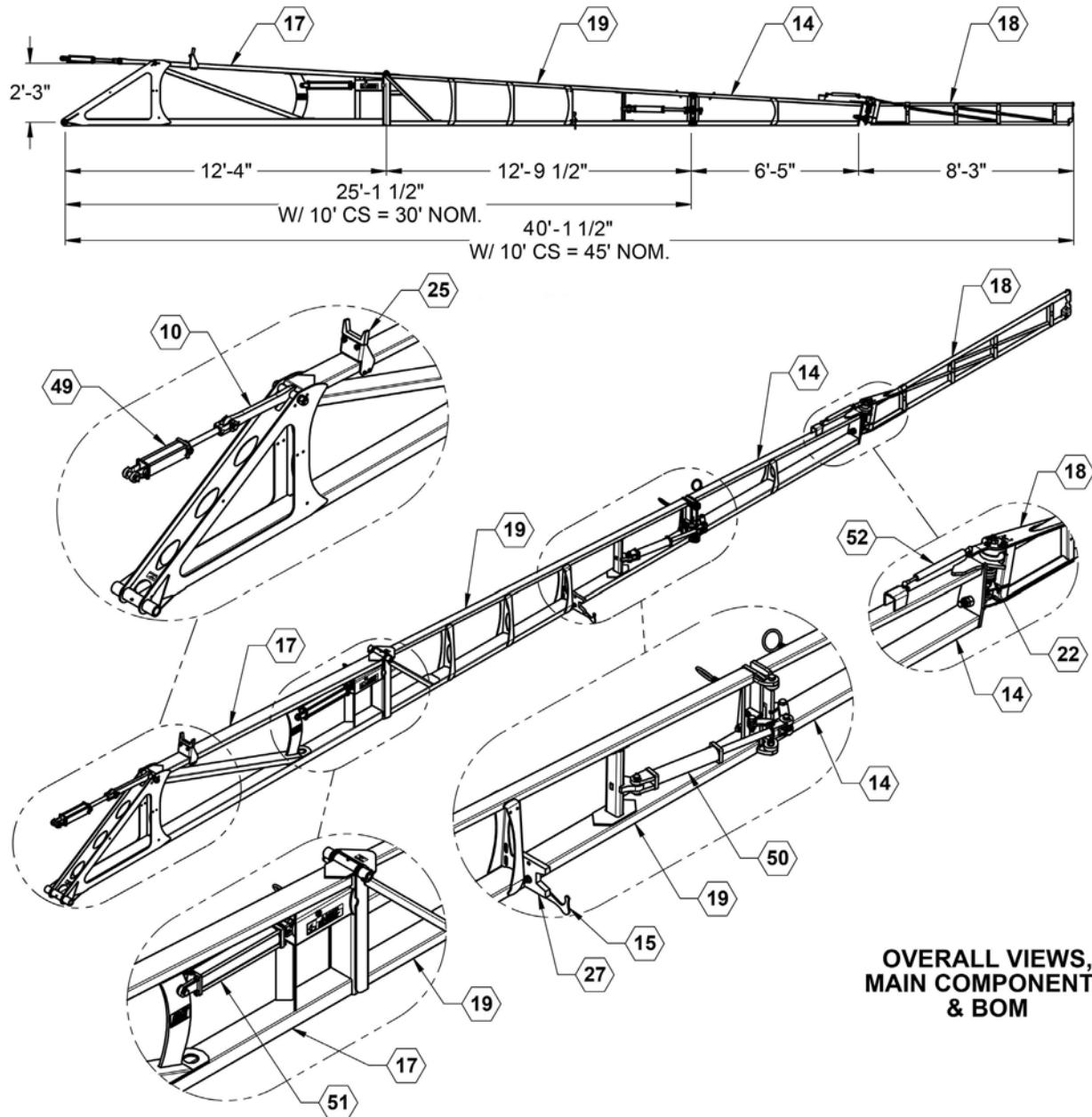
Wings - Tri-Fold 60/90 Foot Boom




ILLUSTRATED PARTS LIST

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 |

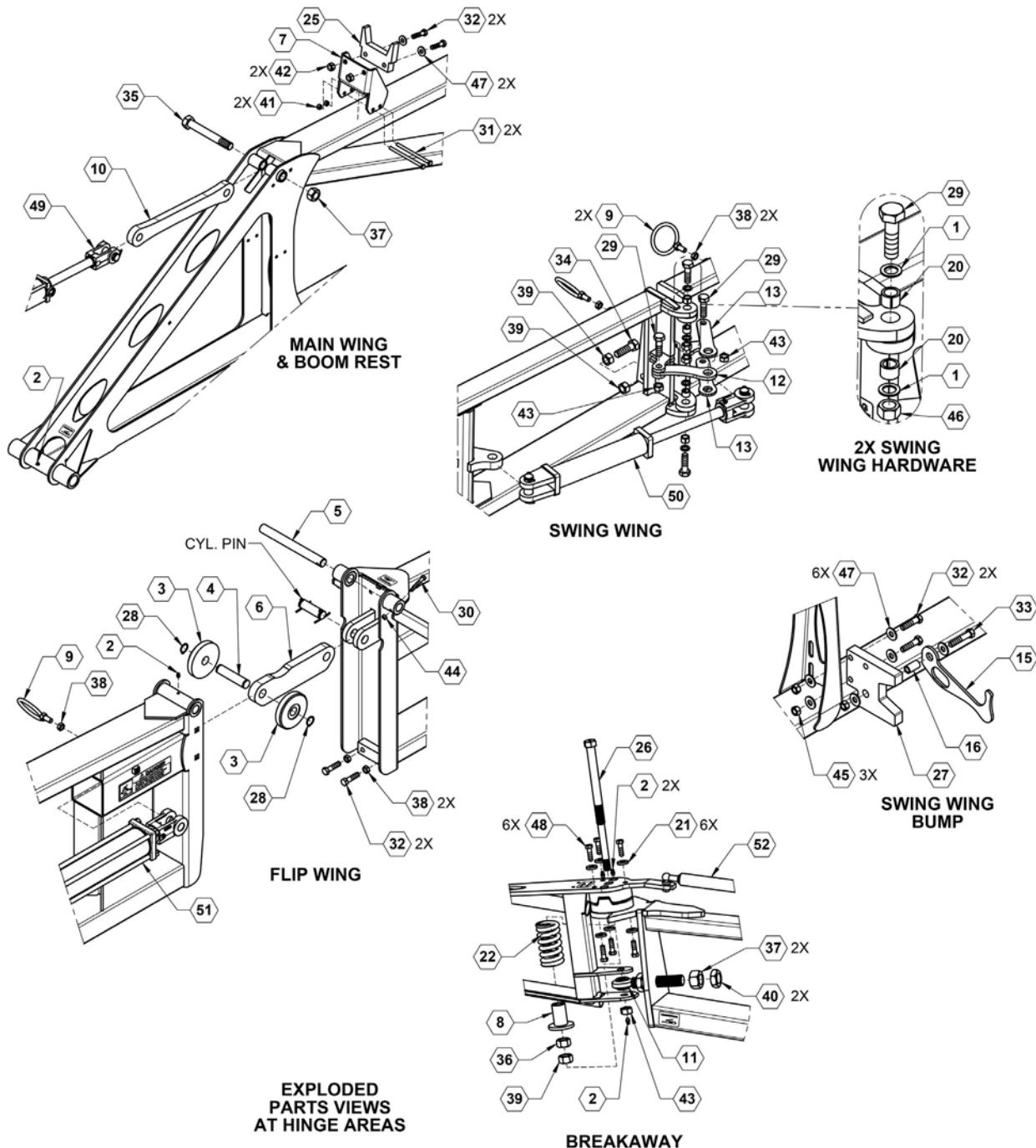
Wings - Narrow Tri-Fold 60/90 Foot Boom




ILLUSTRATED PARTS LIST

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/GREY |
| | 800105 | 1 | DECAL, WARNING-STAND CLEAR |
| | 800106 | 2 | DECAL, DANGER-STAND CLEAR |
| | 800110 | 3 | DECAL, AMBER REFLECTOR |

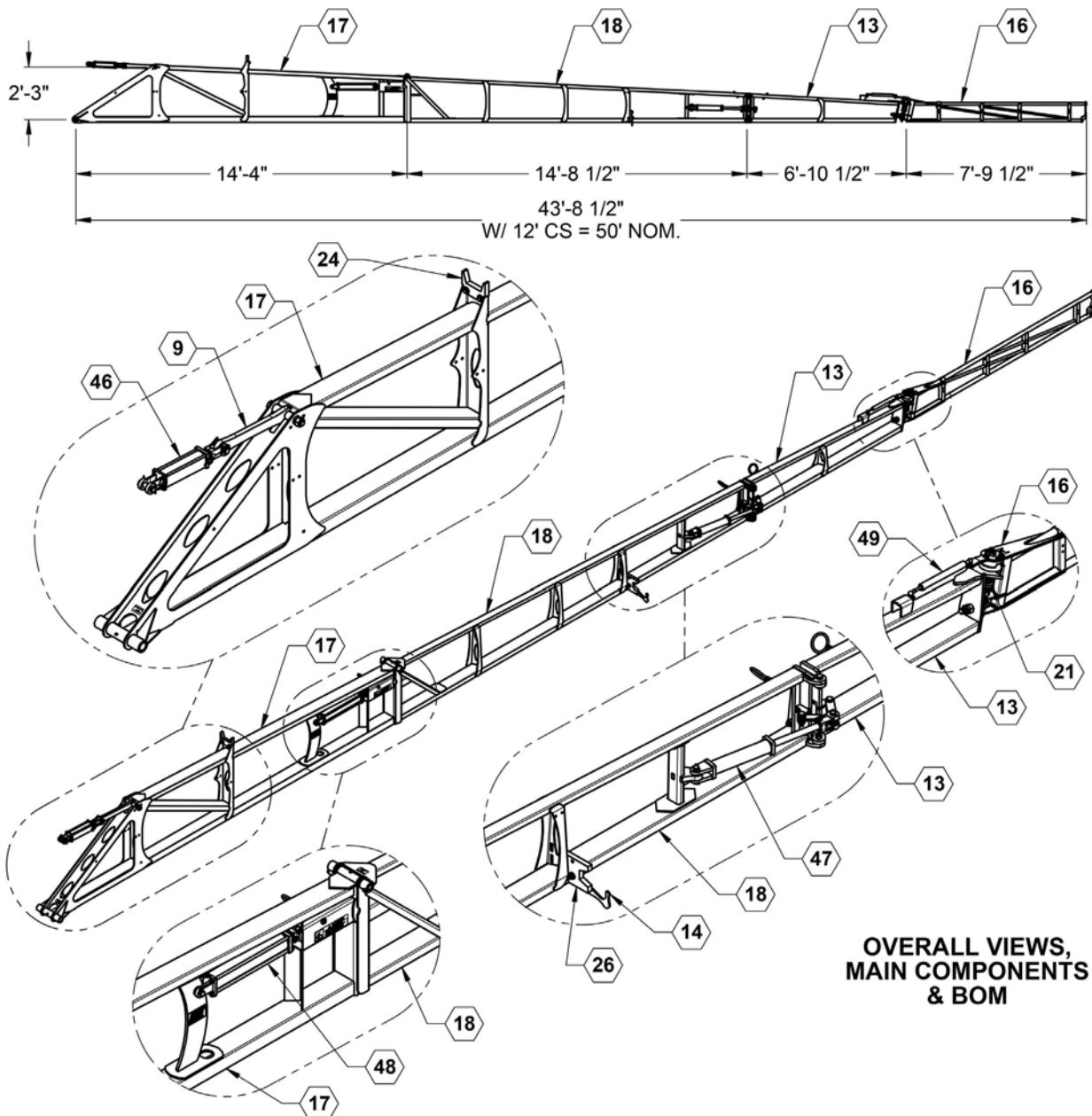
Wings - Narrow Tri-Fold 60/90 Foot Boom




ILLUSTRATED PARTS LIST

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 |

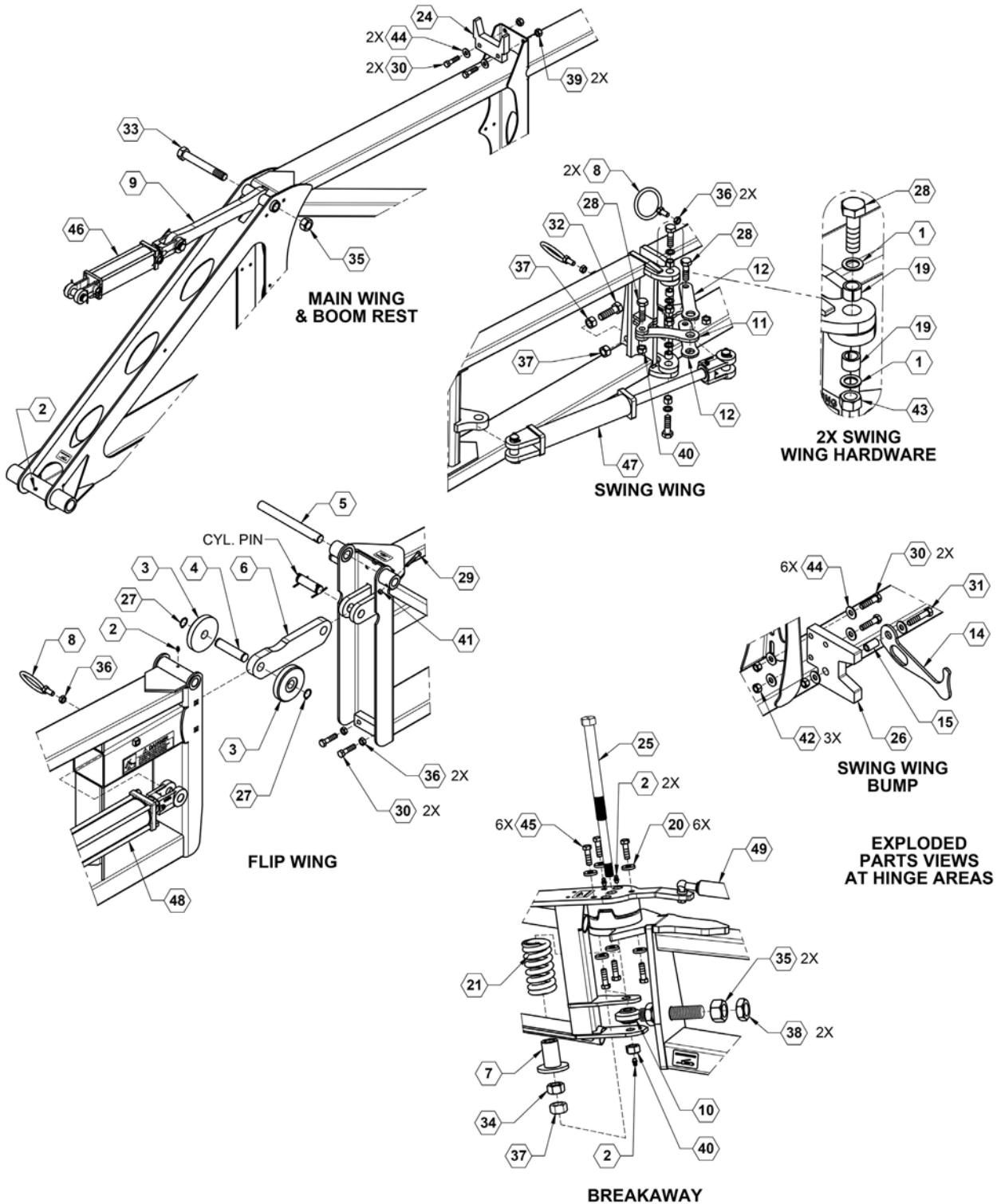
Wings - Tri-Fold 100 Foot Boom




ILLUSTRATED PARTS LIST

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/GREY |
| | 800105 | 1 | DECAL, WARNING-STAND CLEAR |
| | 800106 | 2 | DECAL, DANGER-STAND CLEAR |
| | 800110 | 3 | DECAL, AMBER REFLECTOR |

Wings - Tri-Fold 100 Foot Boom


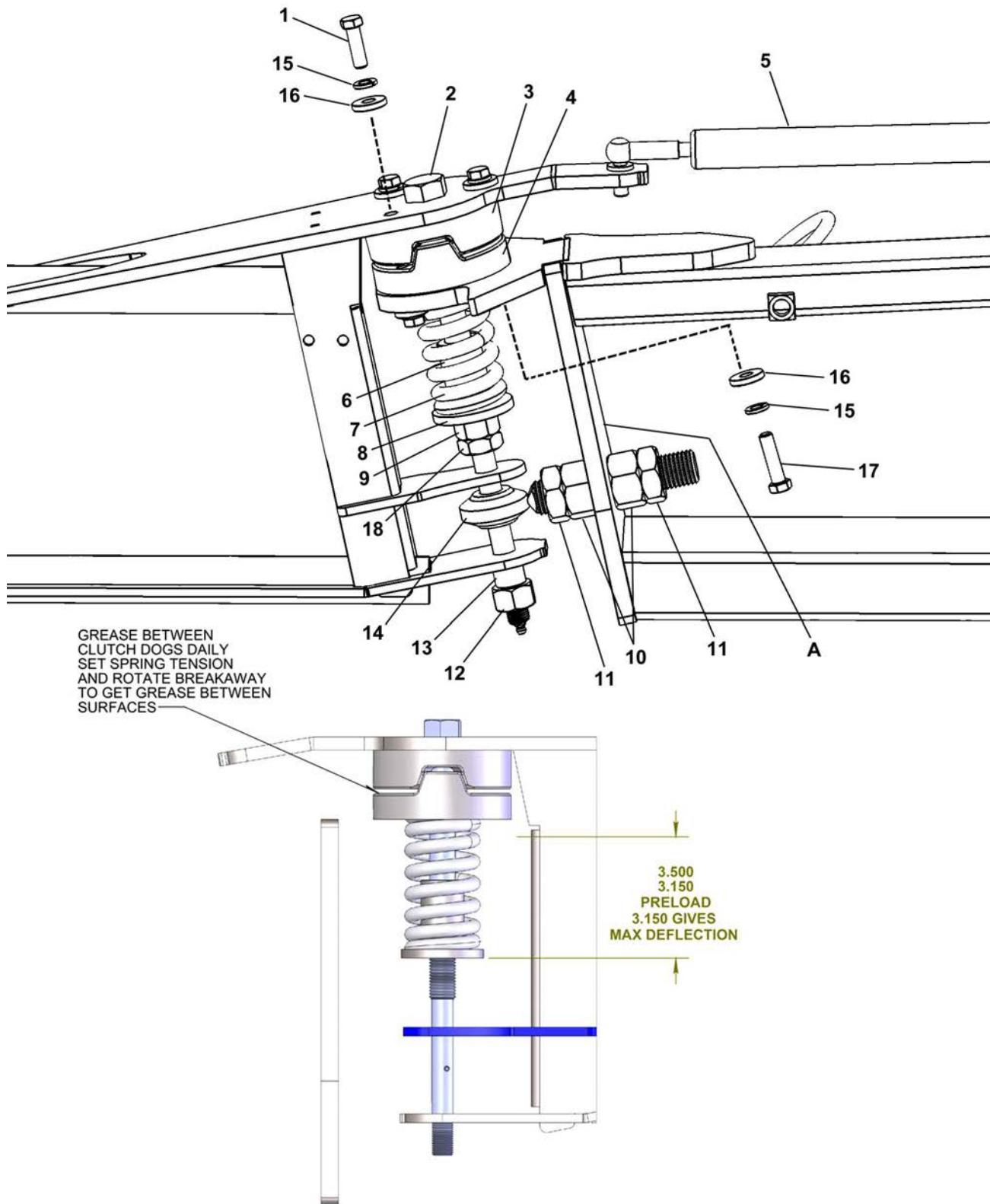


ILLUSTRATED PARTS LIST

Wings - Tri-Fold 100 Boom Parts List

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

Breakaway Pivot

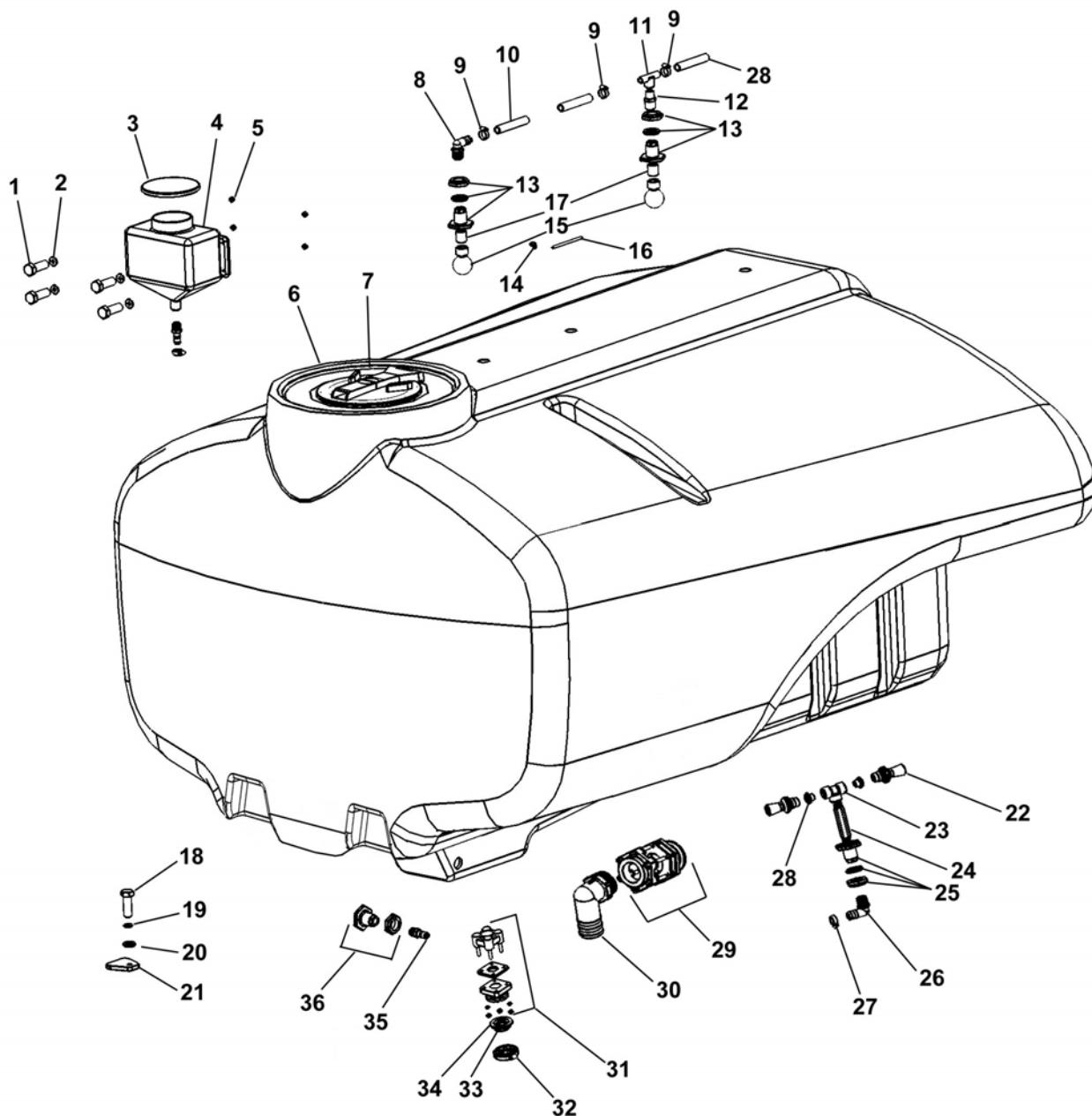




ILLUSTRATED PARTS LIST

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 |

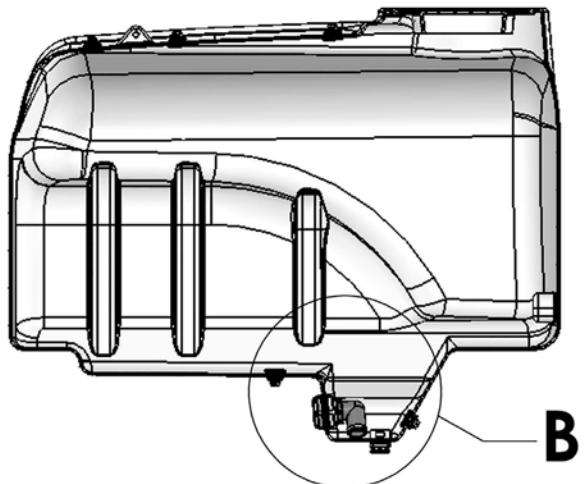
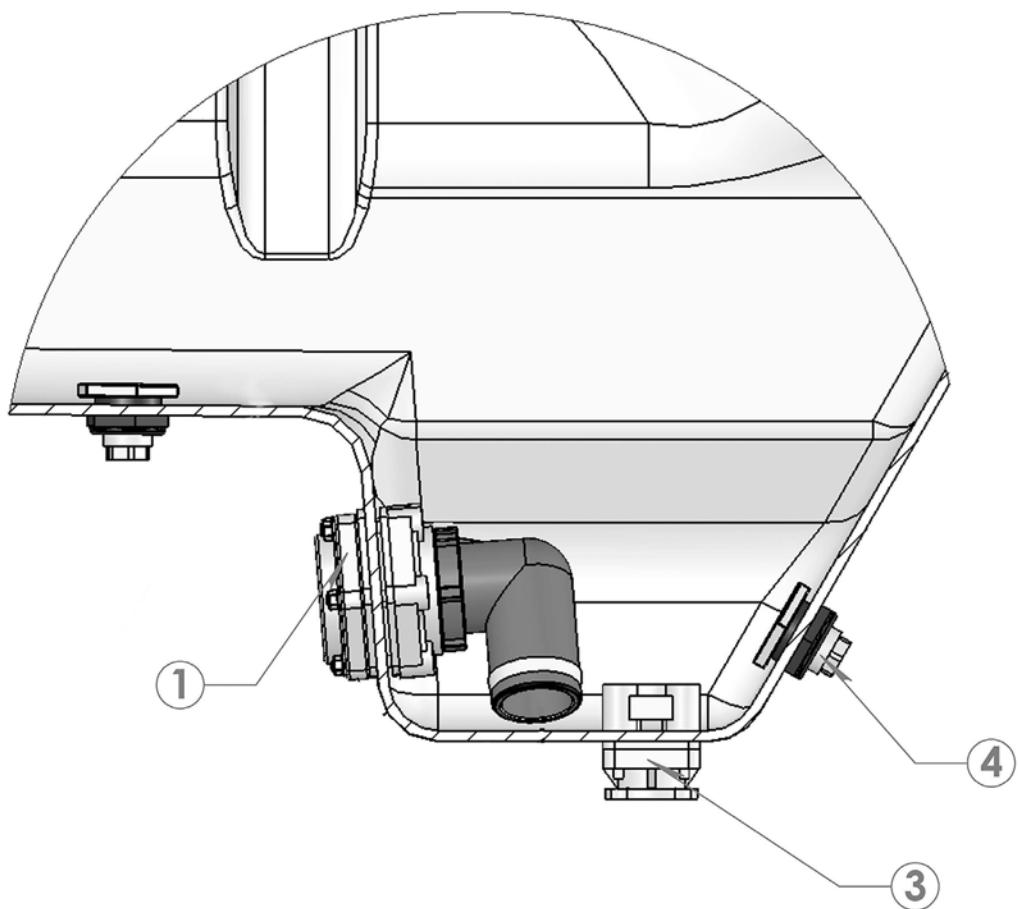
Tank Assembly



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 | | 570054TNK | 1 | 1000 Gallon Tank White, Complete W/Fittings |
| | | 570055TNK | 1 | 1000 Gallon Tank Yellow, Complete W/Fittings |
| | | 570058TNK | 1 | 1350 Gallon Tank White, Complete W/Fittings |
| | | 570059TNK | 1 | 1350 Gallon Tank Yellow, Complete W/Fittings |
| 7 | 10516 | 570070 | 1 | Lid, Hytek |
| 8 | HB10075-90 | 530042 | 1 | Hose Barb 1" MPT X 3/4" HB X 90° |
| 9 | 64012H | 540013 | 4 | Clamp, Hose 3/4" SS |
| 10 | 3/4BH200 | 510012 | 36" | Hose 3/4" EDPM |
| 11 | 3T34F | 530220 | 1 | 3/4" Tee HB X 3/4" FPT |
| 12 | RN100075 | 530148 | 1 | Nipple Reducer 1" X 3/4" |
| 13 | 67172 | 530160 | 2 | Bulkhead Fitting 3/4" |
| 14 | 44103211 | 530004 | 2 | Connector 90° 1/4 Tube X 1/4 NPT |
| 15 | TJ-55270-3.4-18-POM | 520012 | 2 | Tank Rinse Ball |
| 16 | 2T20-604 | 510024 | 120" | LLDP 1/4" OD Poly Tubing |
| 17 | BJ-NIP075-6 | 530130 | 2 | Nipple 3/4 x 6" |
| 18 | | 170 | 2 | Bolt HH 5/8 X 2 GR5 Zp |
| 19 | | 253 | 2 | Washer Lock 5/8" Zp |
| 20 | | 261 | 2 | Washer Flat 5/8" Zp |
| 21 | 10244 | 590023 | 2 | Holddown Tab Poly |
| 22 | Y33180-PP | 520028 | 2 | Agitation Nozzle |
| 23 | HBT075 | 530054 | 1 | Tee 3/4" Hose Barb |
| 24 | NIP075-6 | 530130 | 1 | Nipple 3/4" X 6" |
| 25 | TF075 | 530160 | 1 | Bulkhead Fitting 3/4" Banjo |
| 26 | HB075-90 | 530040 | 1 | Hose Barb 3/4" X 90° |
| 27 | 64012H | 540013 | 1 | Clamp Hose 3/4" SS |
| 28 | RB075038 | 530140 | 2 | Bushing Reducer 1/2 x 3/8" |
| 29 | BJMF300 | 530120 | 1 | Bottom Drain 3" |
| 30 | HB300-90 | 530053 | 1 | Hose Barb Elbow 3" 90° |
| 31 | MBF200BD | 530118 | 1 | Bottom Drain 2" Standard Port |
| 32 | FC200 | 540001 | 1 | Flange Clamp 2" Standard Port |
| 33 | M200PLG | 530093 | 1 | Plug 2" Standard Port |
| 34 | 150G | 530014 | 1 | Gasket 2" Standard Port |
| 35 | HB075 | 530230 | 1 | Hose Barb 3/4" |
| 36 | TF075 | 530160 | 1 | Bulkhead Fitting 3/4" Banjo |

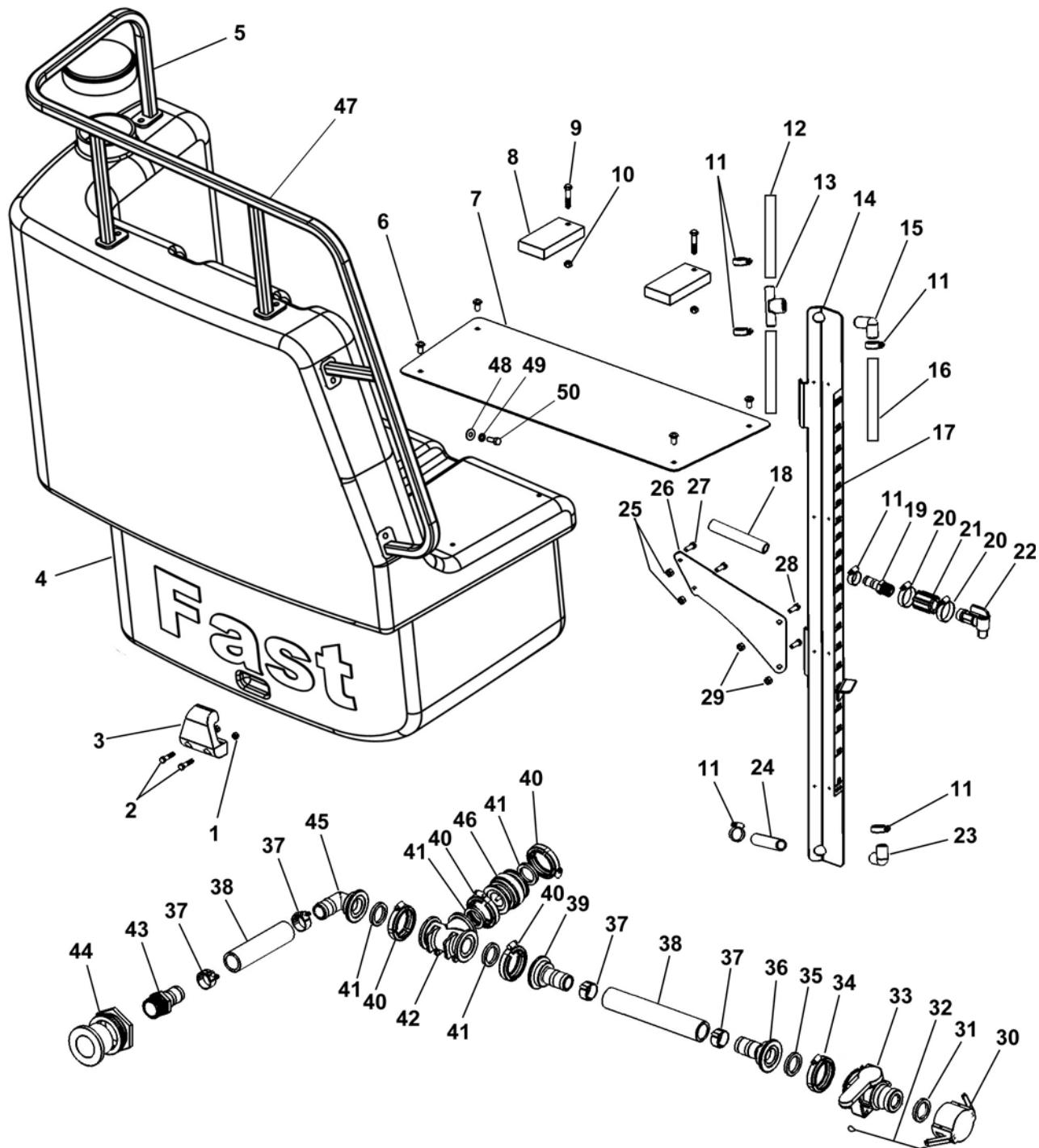
Tank**SECTION A-A****DETAIL B**



ILLUSTRATED PARTS LIST

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




ILLUSTRATED PARTS LIST

Rinse Tank, Plumbing & Sight Gauge Parts List

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



ILLUSTRATED PARTS LIST

9600N Trailer Decals and Misc

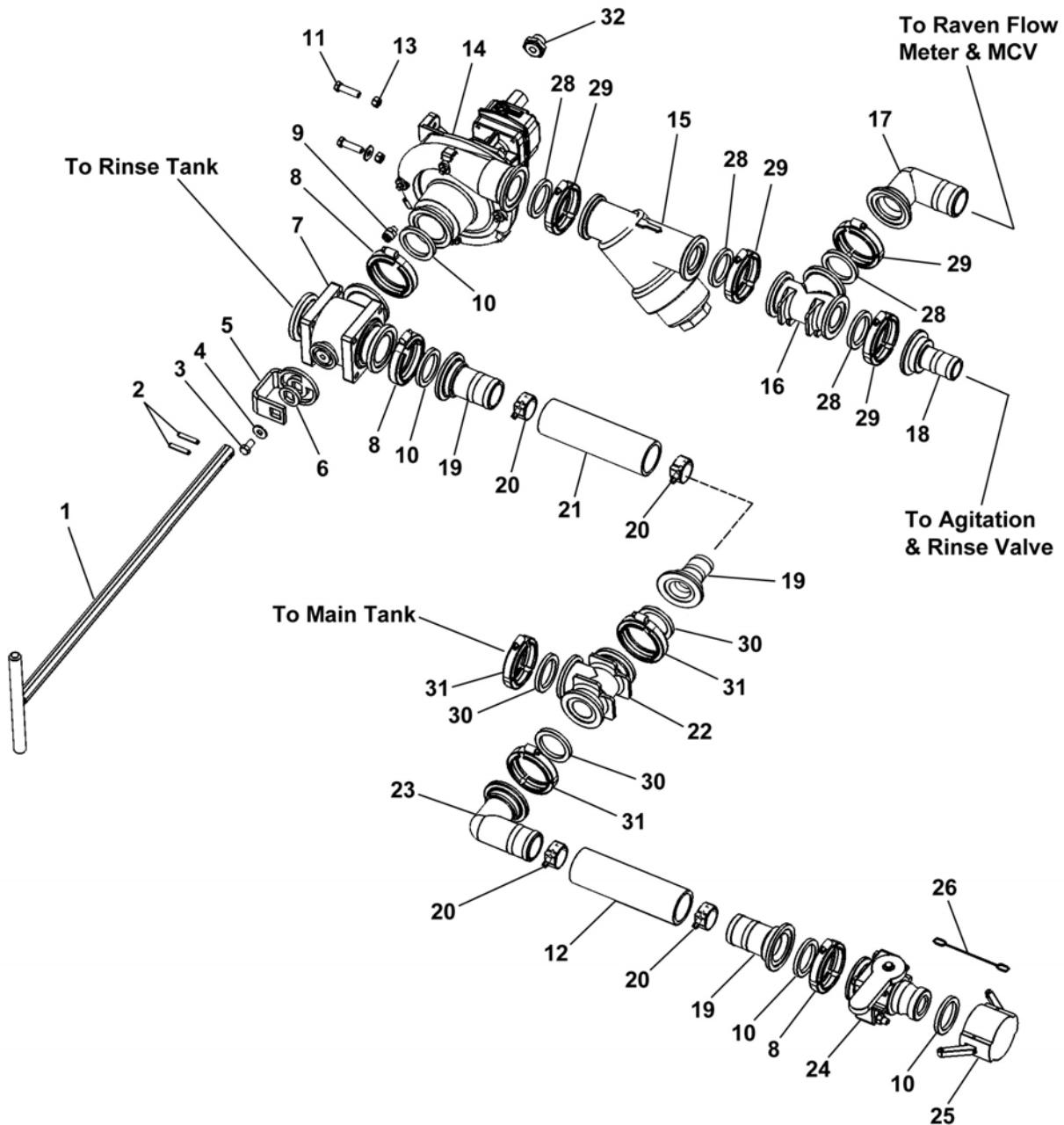




ILLUSTRATED PARTS LIST

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




ILLUSTRATED PARTS LIST

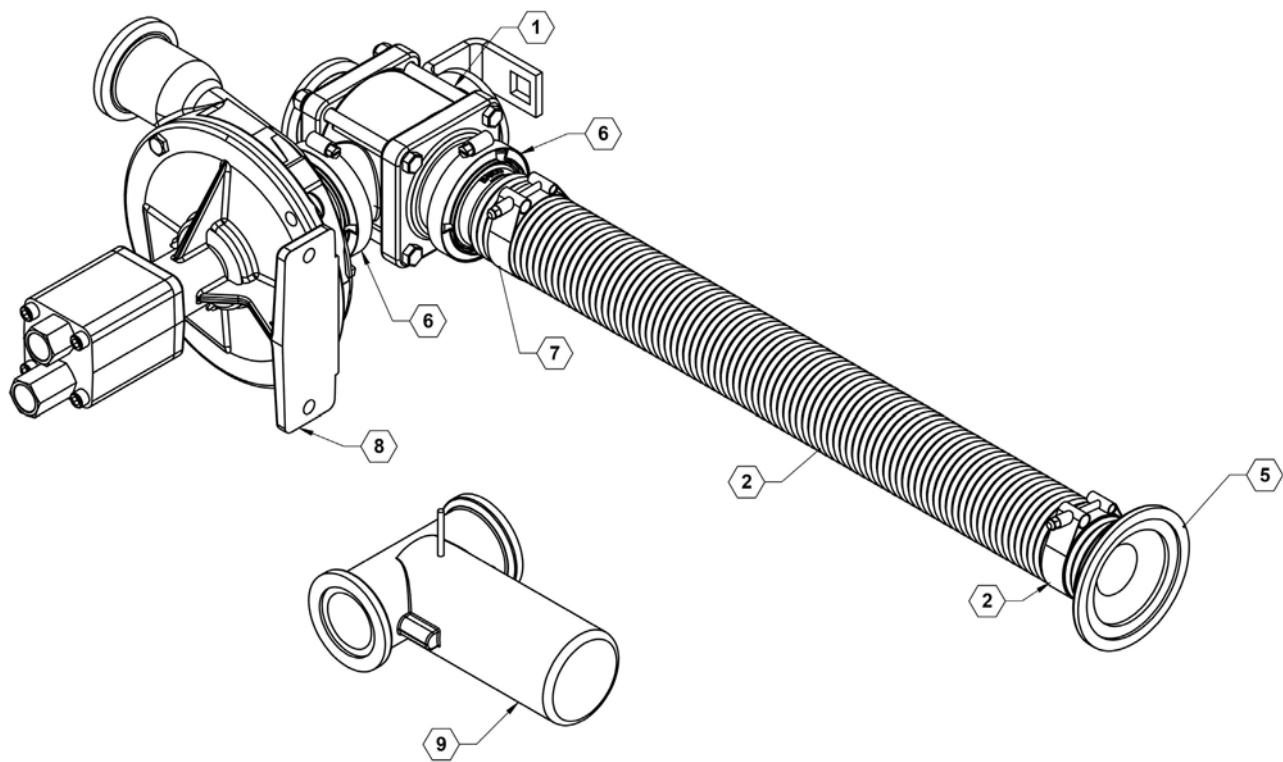
Quick Fill & Pump Feed - 60-66 Ft Boom With ACE 150-206 Pump Parts List

| 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 |



ILLUSTRATED PARTS LIST

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





ILLUSTRATED PARTS LIST

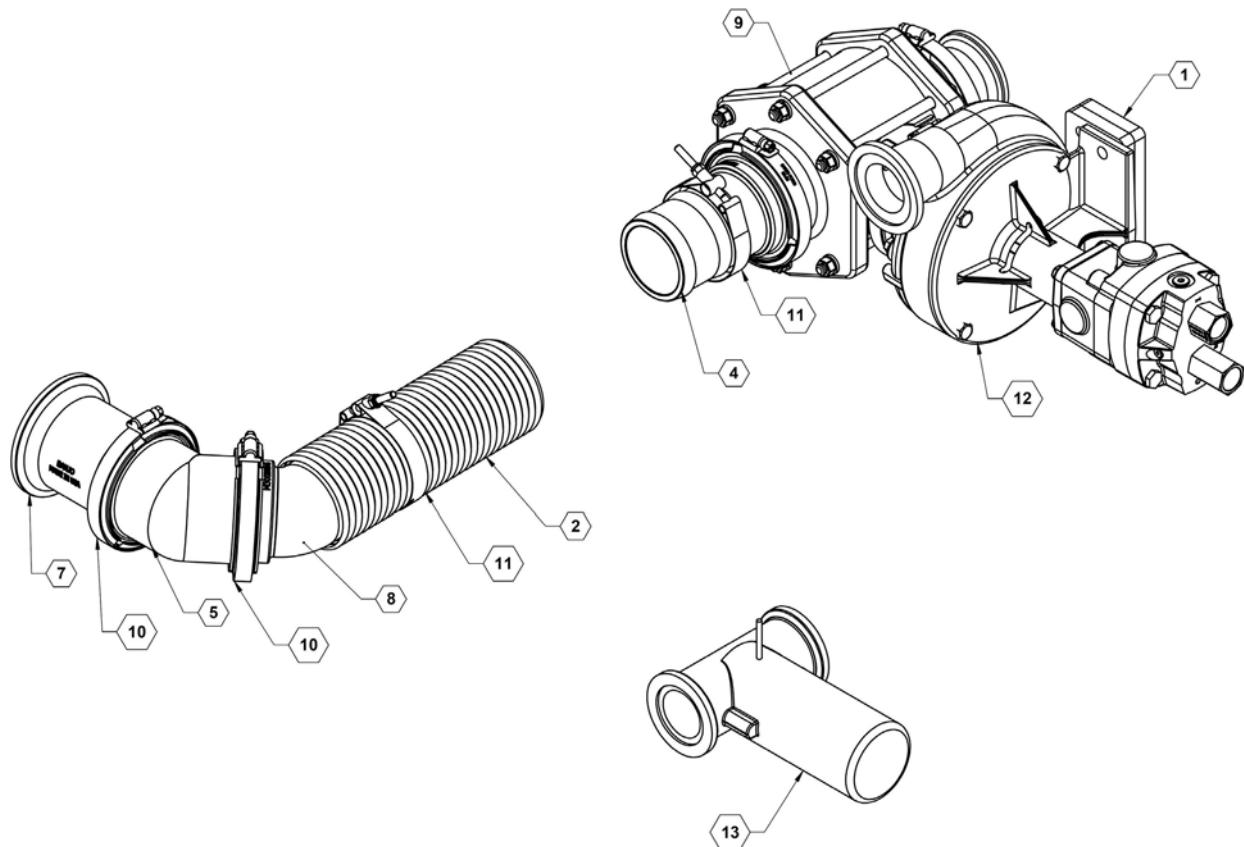
Pump Option - 60' & 66' Boom With ACE 150-206 Pump Parts List

| 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 |



ILLUSTRATED PARTS LIST

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





ILLUSTRATED PARTS LIST

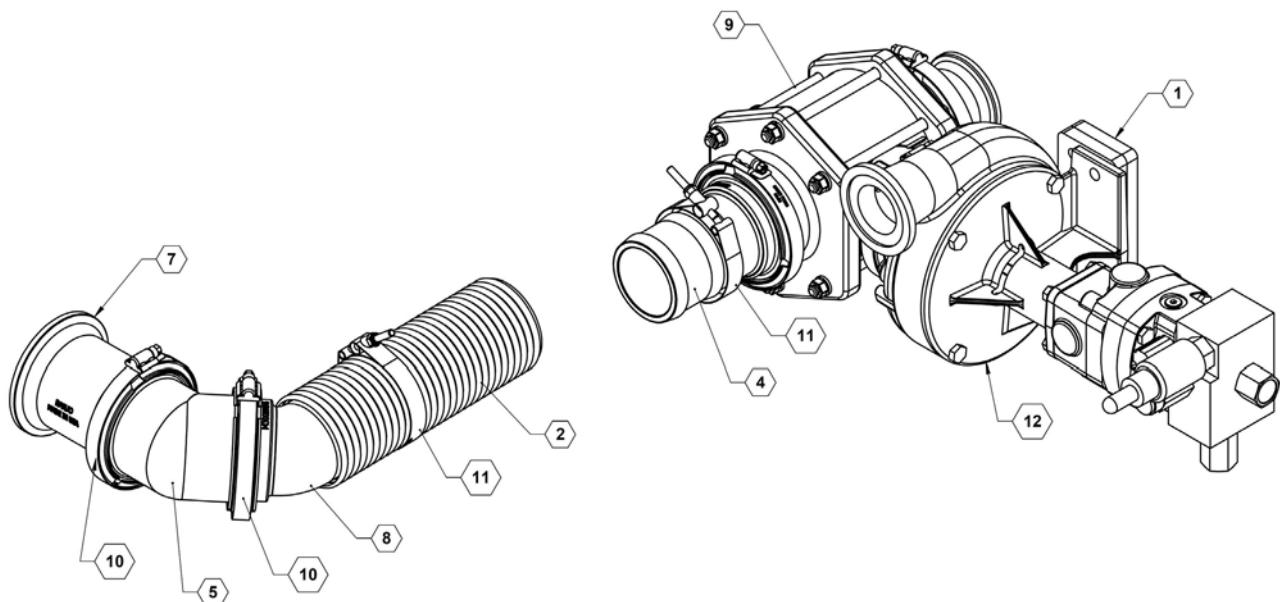
Pump Option - 60' - 100' Boom With ACE 205-304 Pump Parts List

| 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 WAY VALVE |
| 10 | 540003 | 5 | CLAMP, WORM 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 |



ILLUSTRATED PARTS LIST

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





ILLUSTRATED PARTS LIST

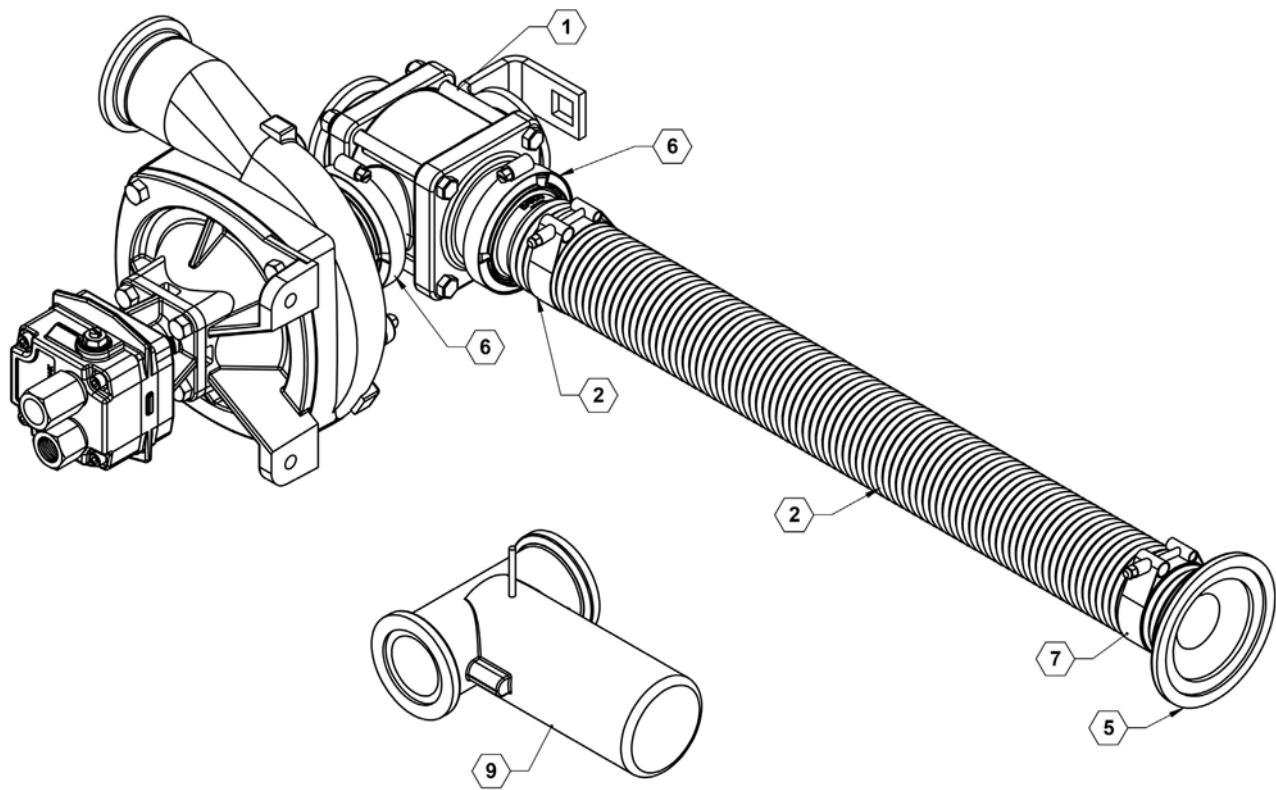
Pump Option - 80, 90 & 100' Boom With ACE 205-304 PWM Pump Parts List

| 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 WAY VALVE |
| 10 | 540003 | 5 | CLAMP, WORM SCREW 3" |
| 11 | 540009 | 2 | CLAMP, 3" T BOLT |
| 12 | 550035 | 1 | PUMP, ACE 205F WITH 304 PWM |



ILLUSTRATED PARTS LIST

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





ILLUSTRATED PARTS LIST

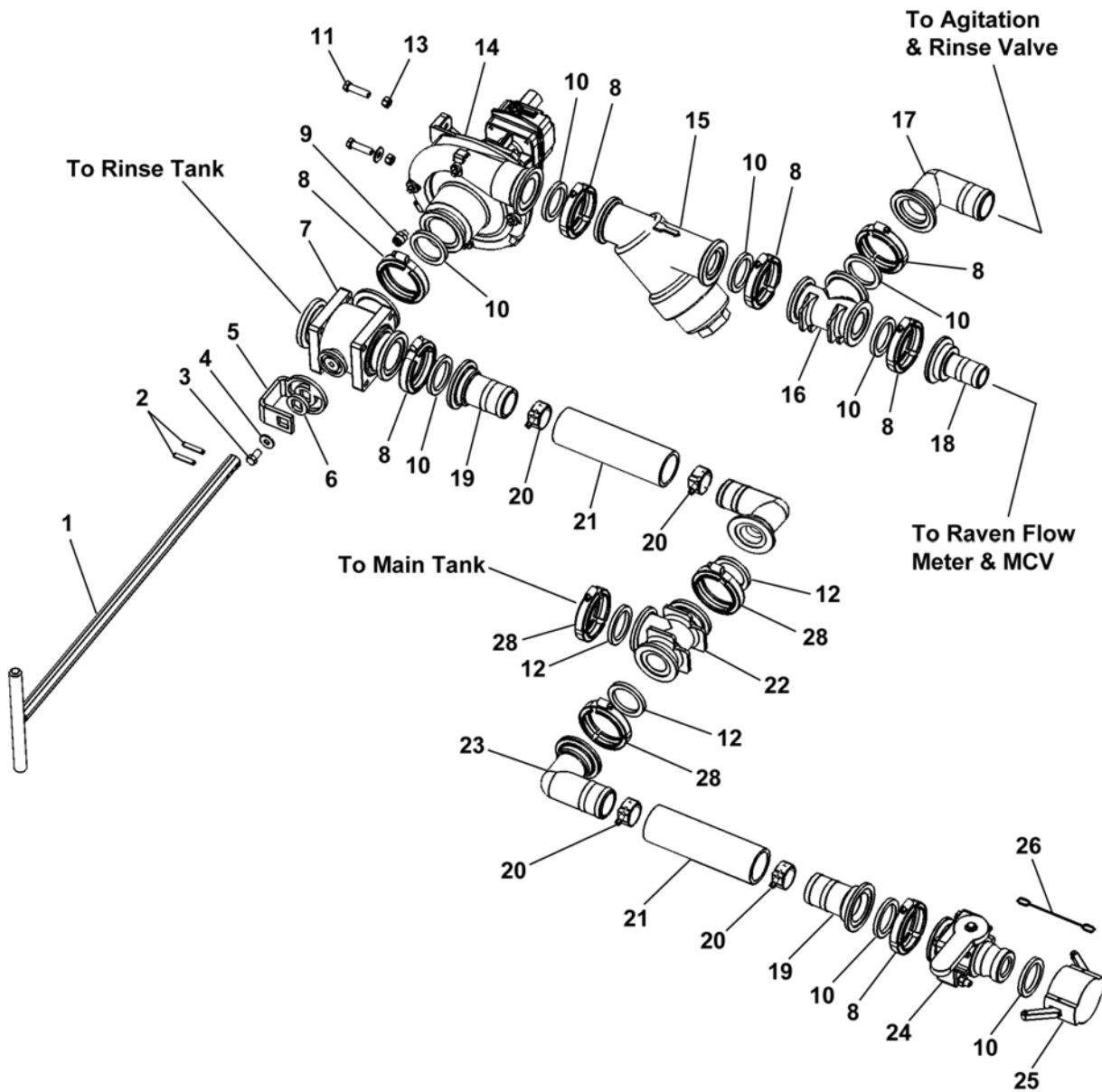
Pump Option - 60' - 100' Boom With HYPRO Pump Pump Parts List

| 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 |



ILLUSTRATED PARTS LIST

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

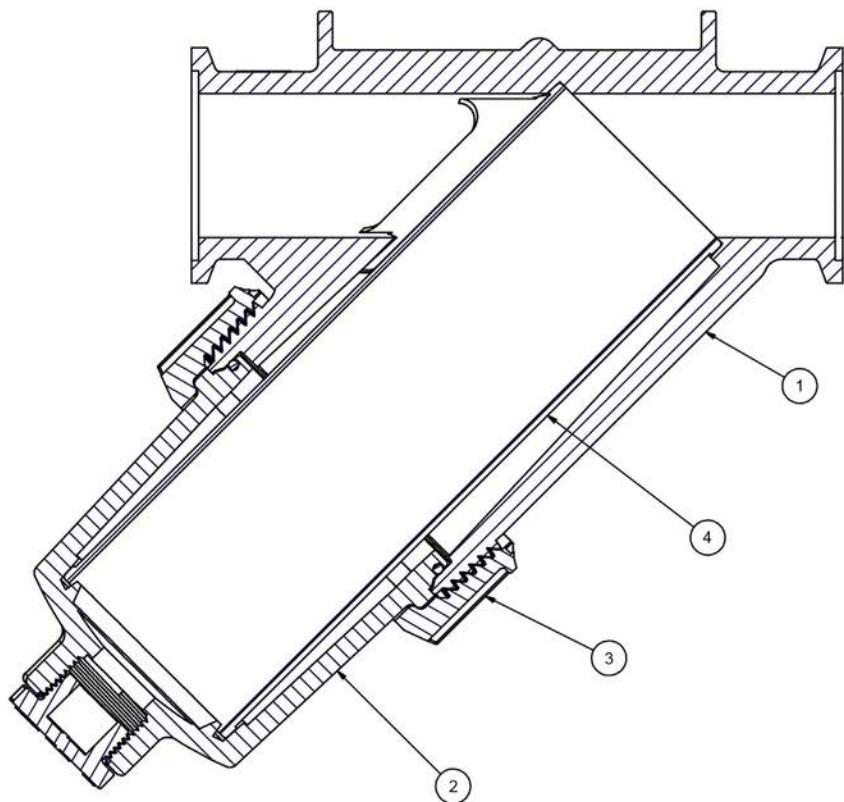
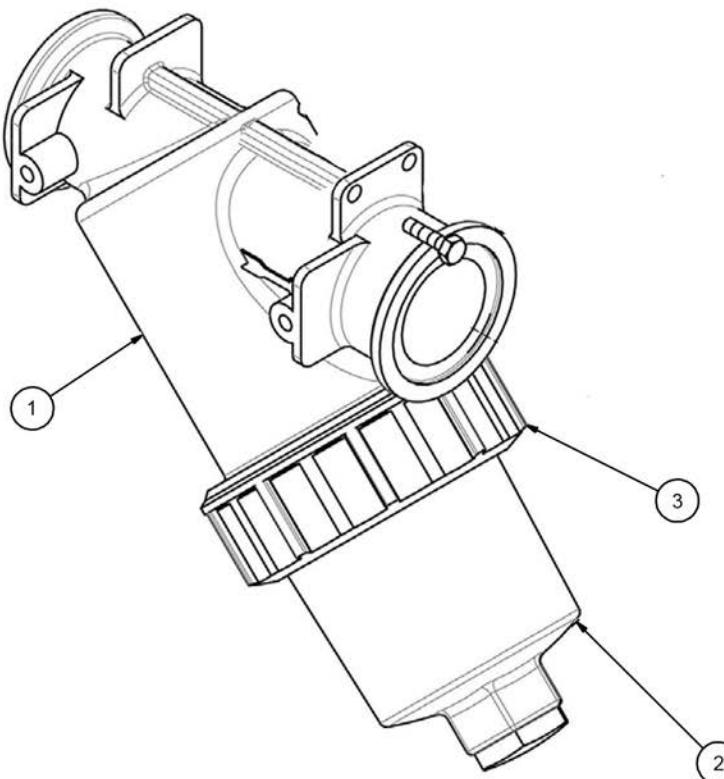




ILLUSTRATED PARTS LIST

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" |

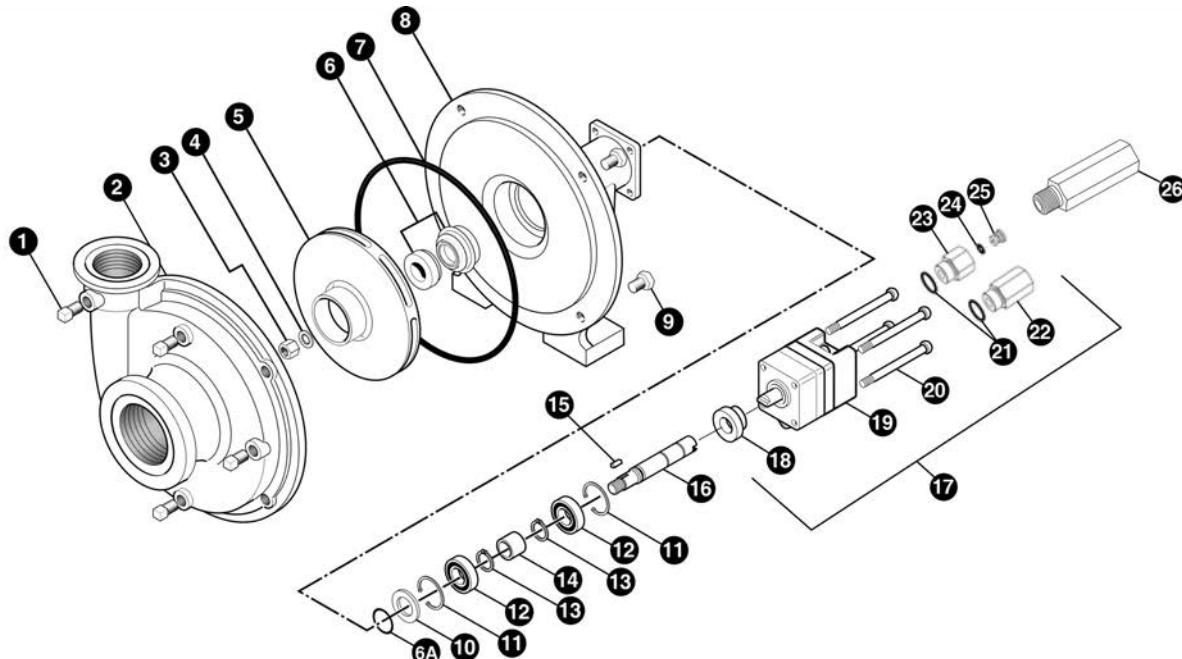
Y Strainer



ILLUSTRATED PARTS LIST

Y Strainer Parts List

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

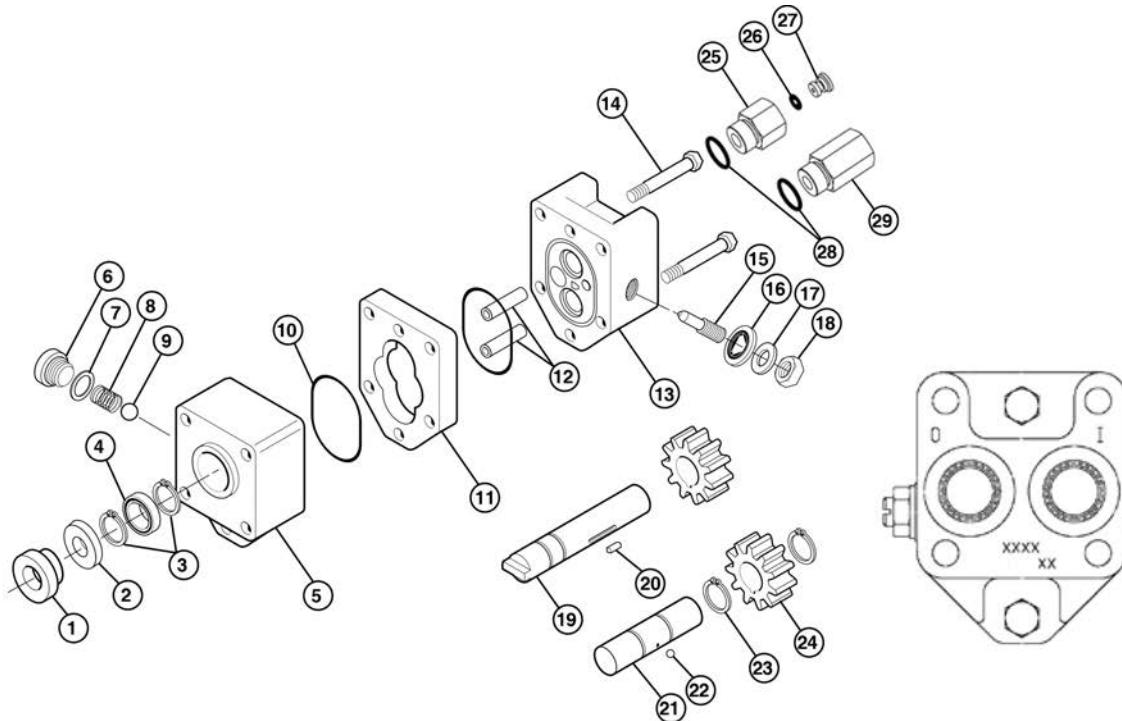
ACE 150-206 Pump, 60 & 66 Foot Boom


| REF. # | PART NUMBER | EDP # | DESCRIPTION | REQ. |
|------------------|-------------------|-------|--|------|
| 1 | BAC-53 | 41110 | Pipe plug | 4 |
| 1 | 41120 | 41120 | Pipe plug, stainless steel (optional) | 4 |
| 2 | BAC-12-150-FLG | 40257 | Volute, cast iron, NPT & flanged (for 150F models) | 1 |
| 2 | BAC-12-150-SS | 40249 | Volute, 316 stainless steel , NPT & flanged (for 150FS models) | 1 |
| 3 | BAC-23-A | 40391 | Nut, 3/8" NF, cad plated | 1 |
| 3 | BAC-23-A-SS | 40392 | Nut, 3/8" NF, stainless steel (optional) | 1 |
| 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 | - |

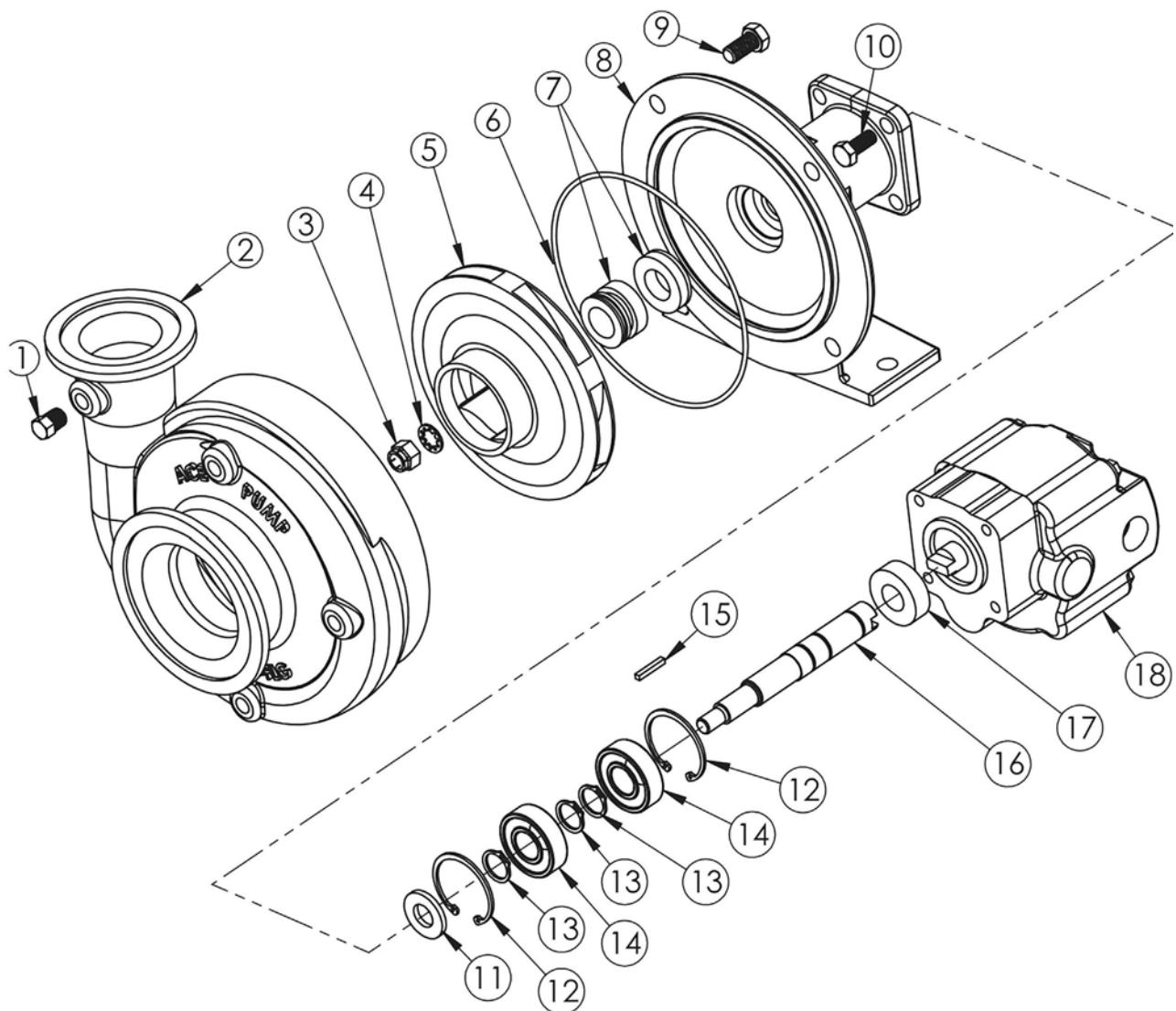


ILLUSTRATED PARTS LIST

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 | -- |

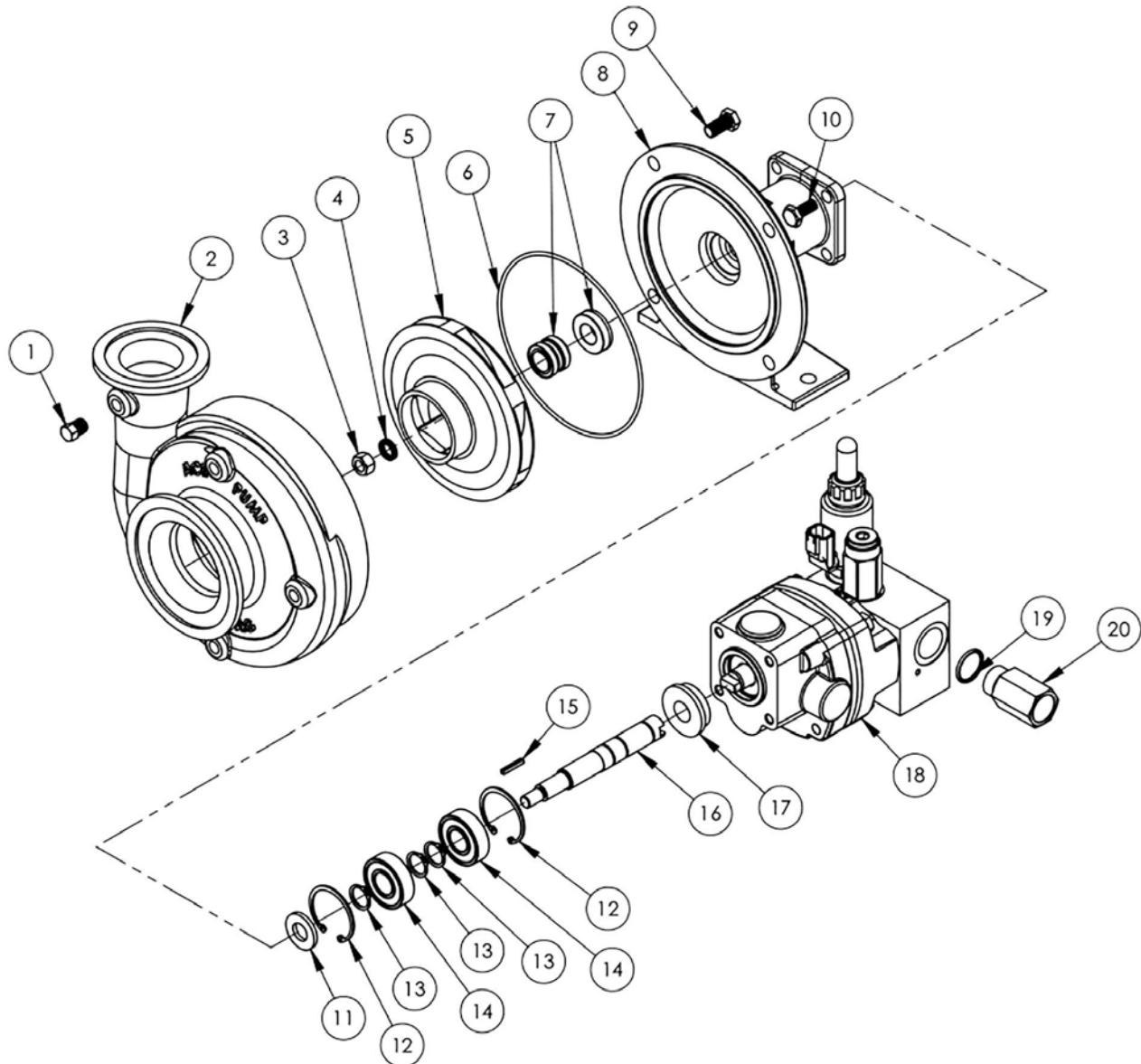
ACE 205-304 Pump, 80, 90 & 100 Foot Boom



ILLUSTRATED PARTS LIST

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

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

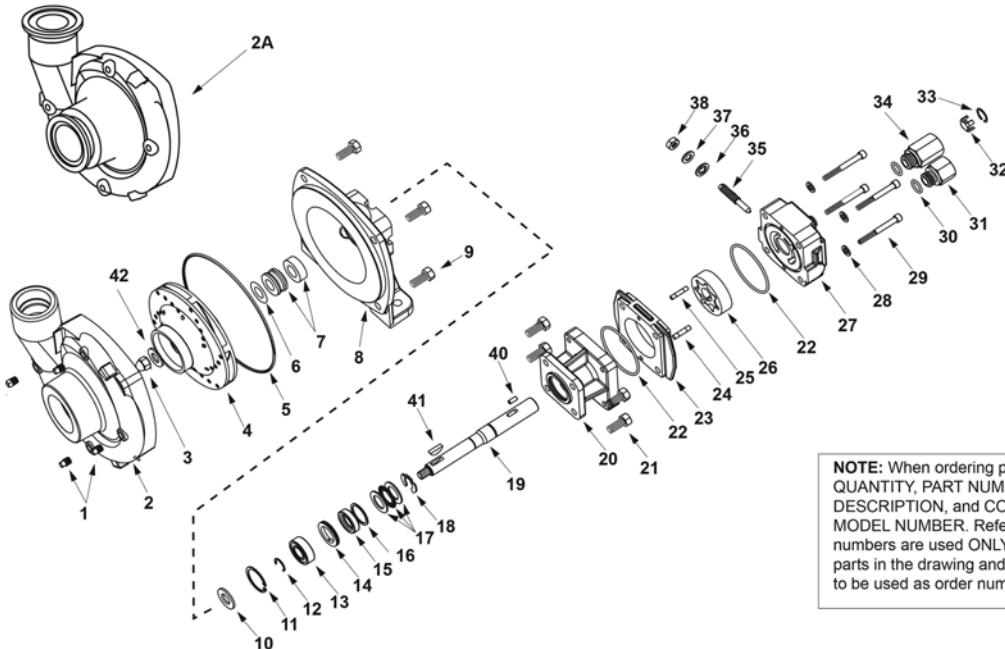
ACE 205-304 PWM Pump, 80, 90 & 100 Foot Boom



ILLUSTRATED PARTS LIST

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

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

HYPRO Pump, 80, 90 & 100 Foot Boom


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

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

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

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

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

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

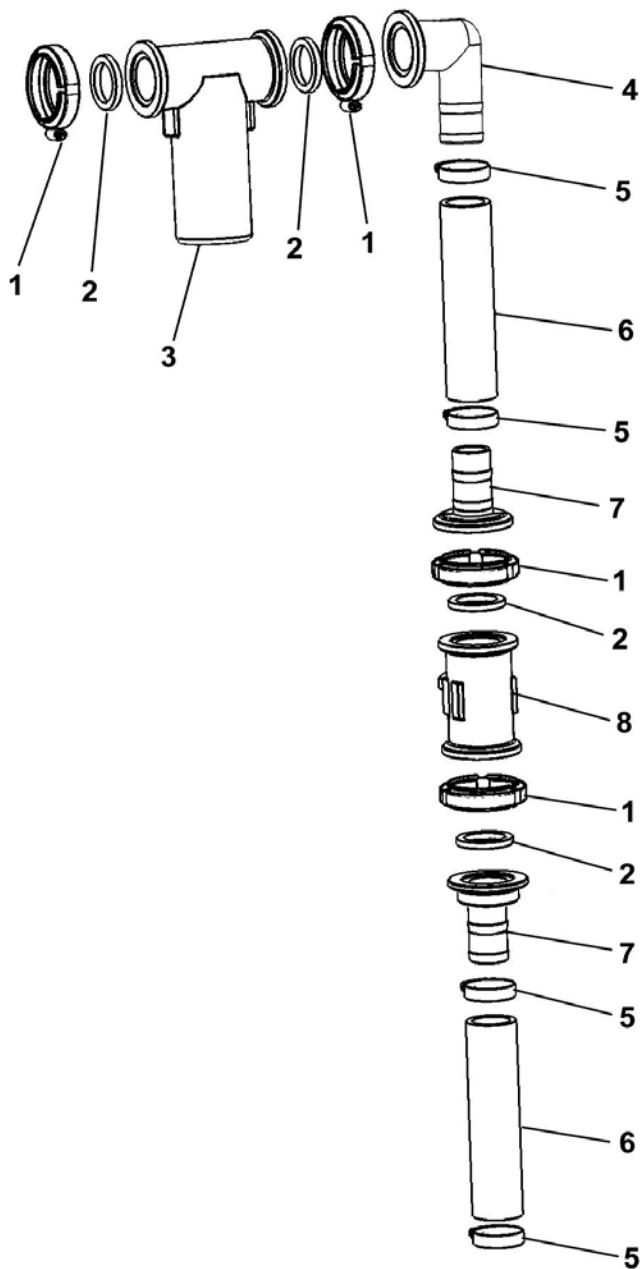
| Ref. No. | Qty. Req'd. | Part No. | Description |
|----------|-------------|-------------|---|
| 22 | 2 | 1720-0110 | O-ring |
| 23 | 1 | 0700-2500C1 | Gerotor Housing (HM1C Model) 1/2" wide |
| 23 | 1 | 0702-2500C1 | Gerotor Housing (HM3C Model) 1" wide |
| 23 | 1 | 0704-2500C1 | Gerotor Housing (HM5C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



ILLUSTRATED PARTS LIST



Raven Flow Controls

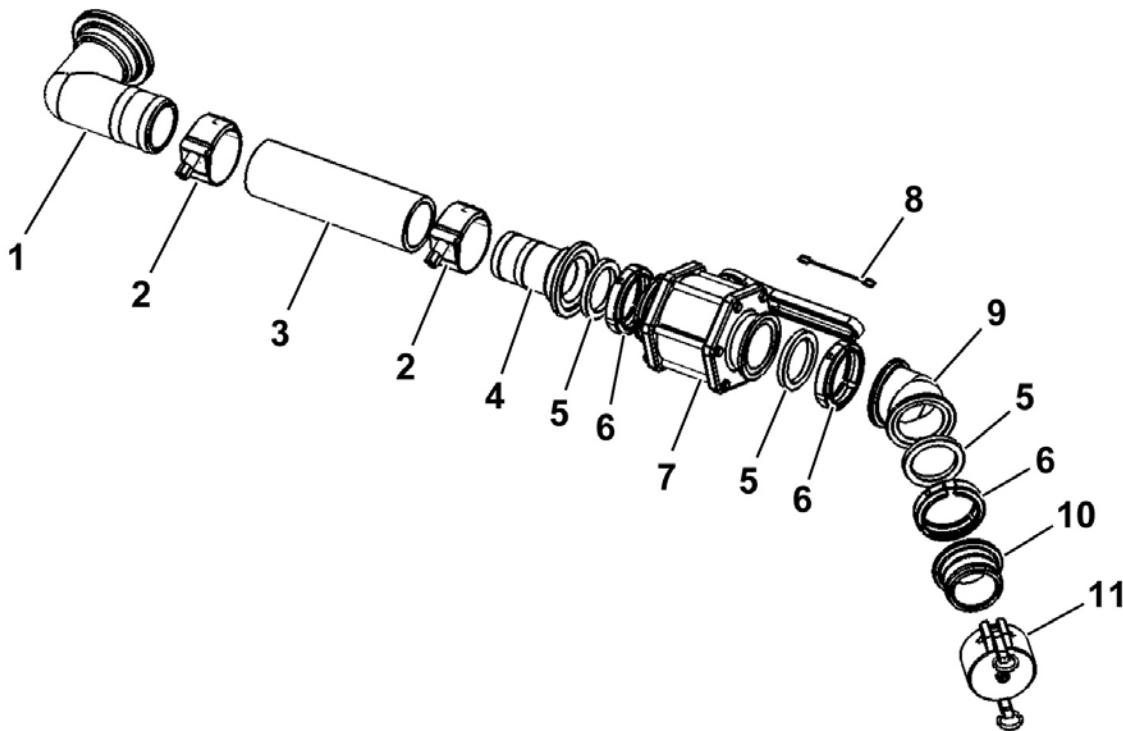




ILLUSTRATED PARTS LIST

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 |

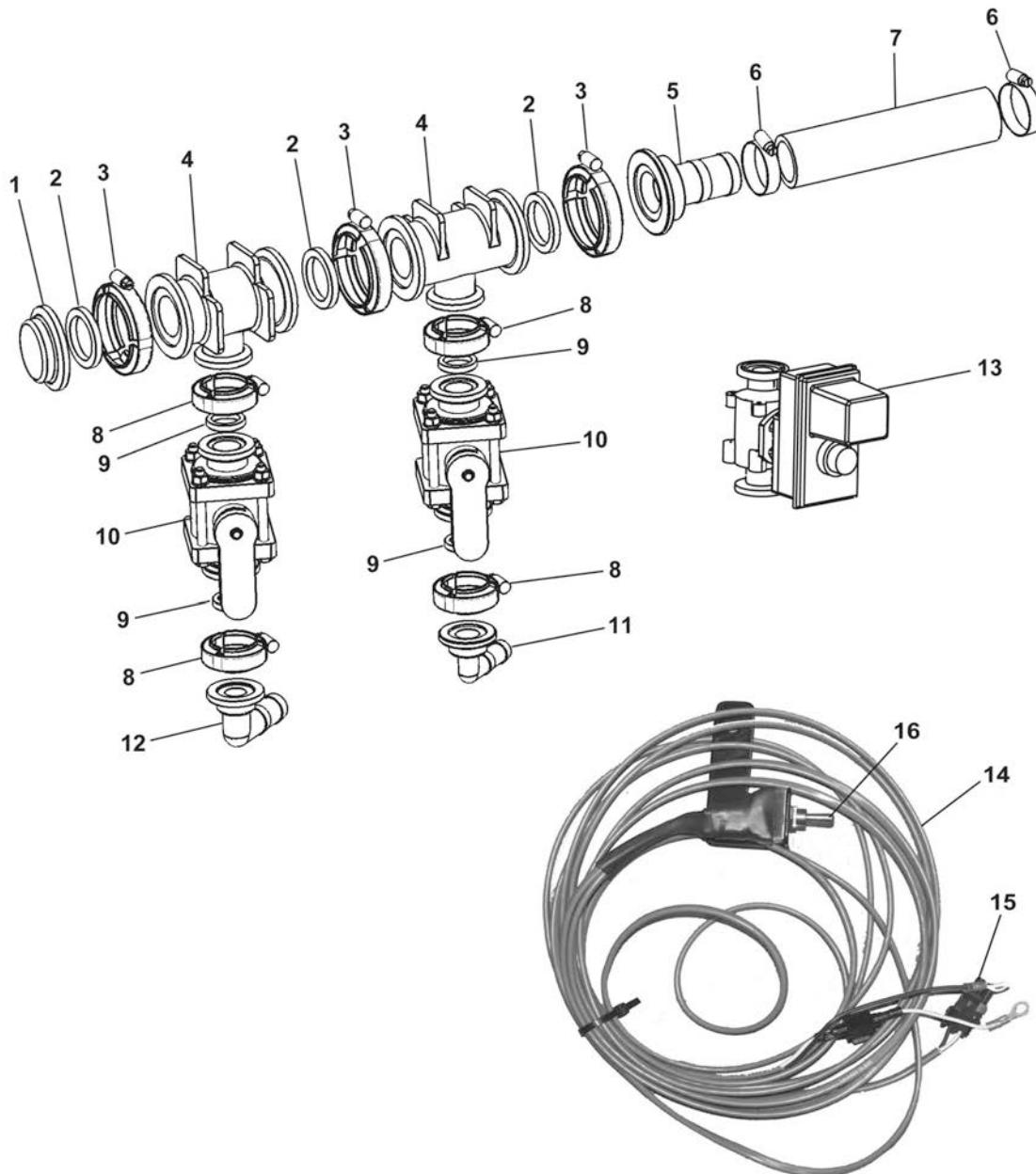
Quick Fill - Optional 3 Inch**Quick Fill - Optional 3 Inch Parts List**

| 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 |



ILLUSTRATED PARTS LIST



Agitation & Rinse Control



ILLUSTRATED PARTS LIST

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 |



ILLUSTRATED PARTS LIST

Agitation Shut-Off, Electric Option



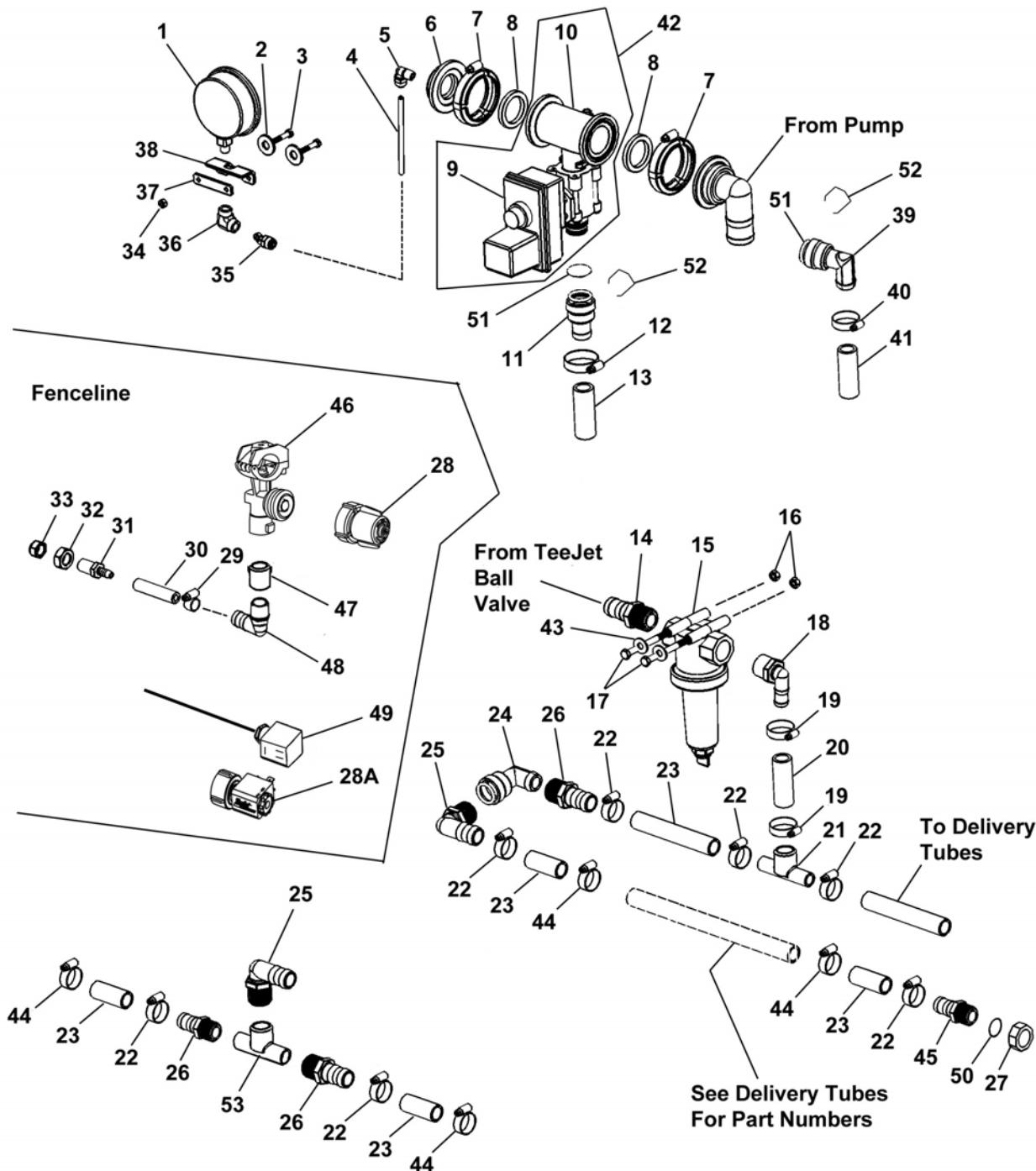
**FAST GLOBAL
SOLUTIONS**



ILLUSTRATED PARTS LIST

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 |

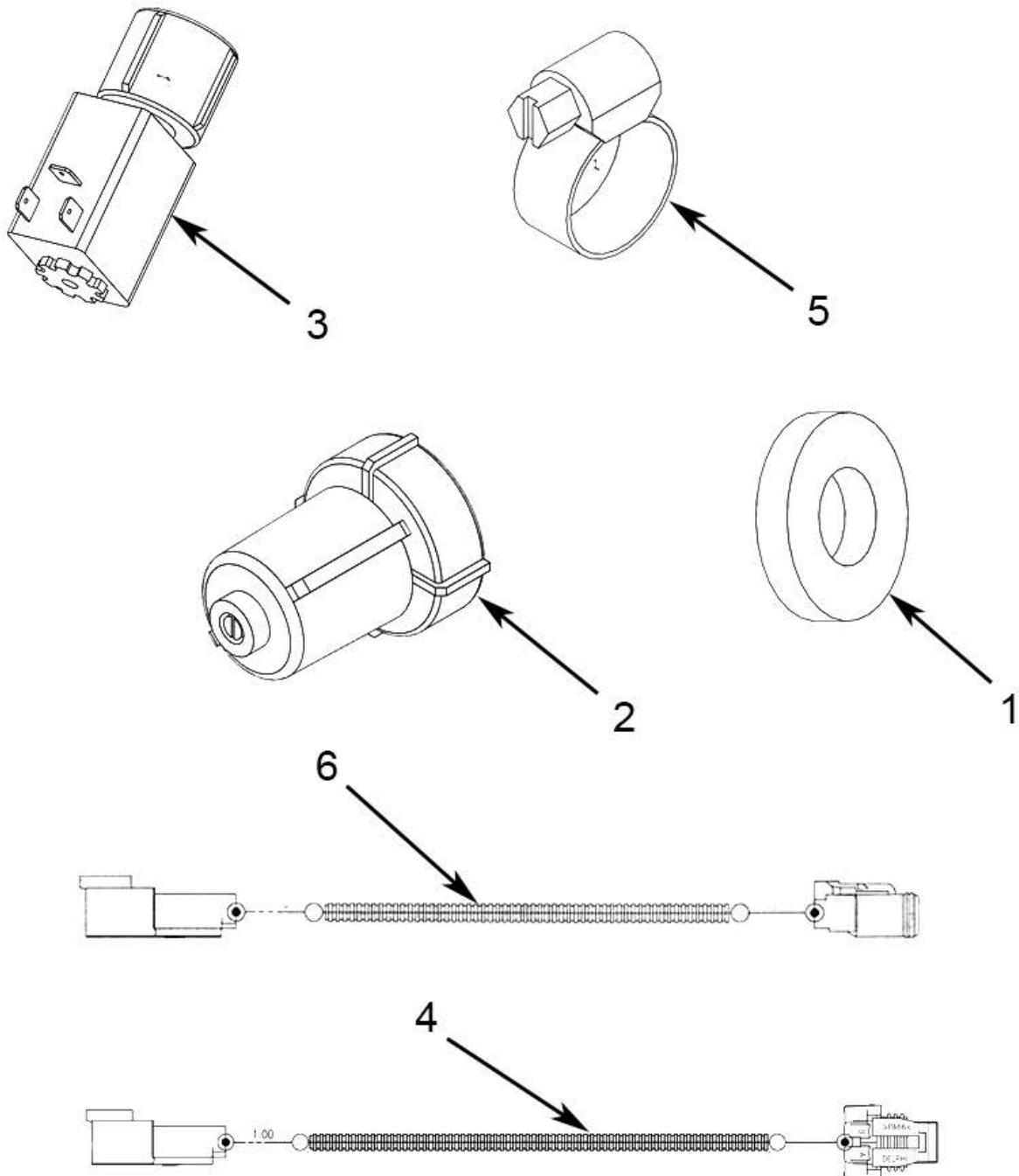
Boom Plumbing




ILLUSTRATED PARTS LIST

Boom Plumbing Parts List

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

Fence Line Option



ILLUSTRATED PARTS LIST

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 |

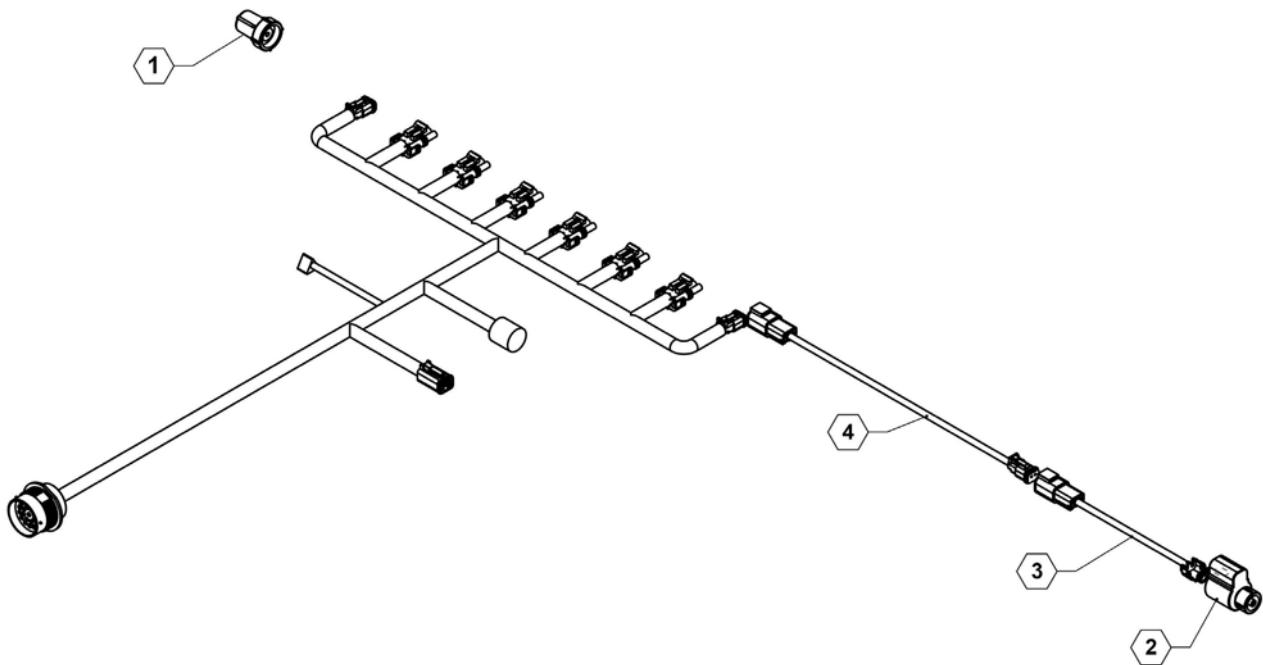


ILLUSTRATED PARTS LIST

Single Fence Line, Display Control

NOTE:

1. FOR USE WITH RAVEN RCM AND JD RC2000





ILLUSTRATED PARTS LIST

Single Fence Line, Display Control Parts List

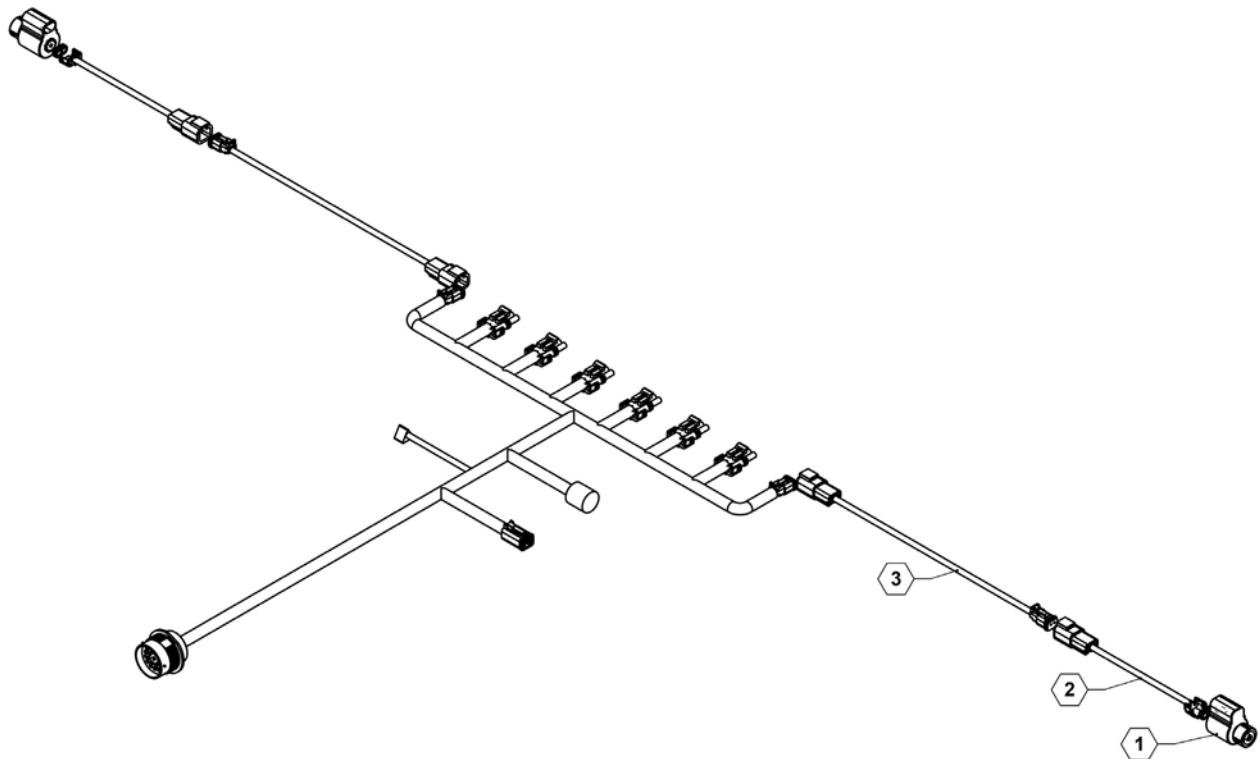
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------|
| 1 | 520037 | 1 | VALVE, MANUAL CHEMSAVER |
| 2 | 520038 | 1 | VALVE, ELECTRIC CHEMSAVER |
| 3 | 632044 | 1 | FENCEROW ADAPTER CABLE, 6" |
| 4 | 632054 | 1 | FENCEROW CABLE, 55' |



ILLUSTRATED PARTS LIST

Dual Fence Line, Display Control

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





ILLUSTRATED PARTS LIST

Dual Fence Line, Display Control Parts List

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

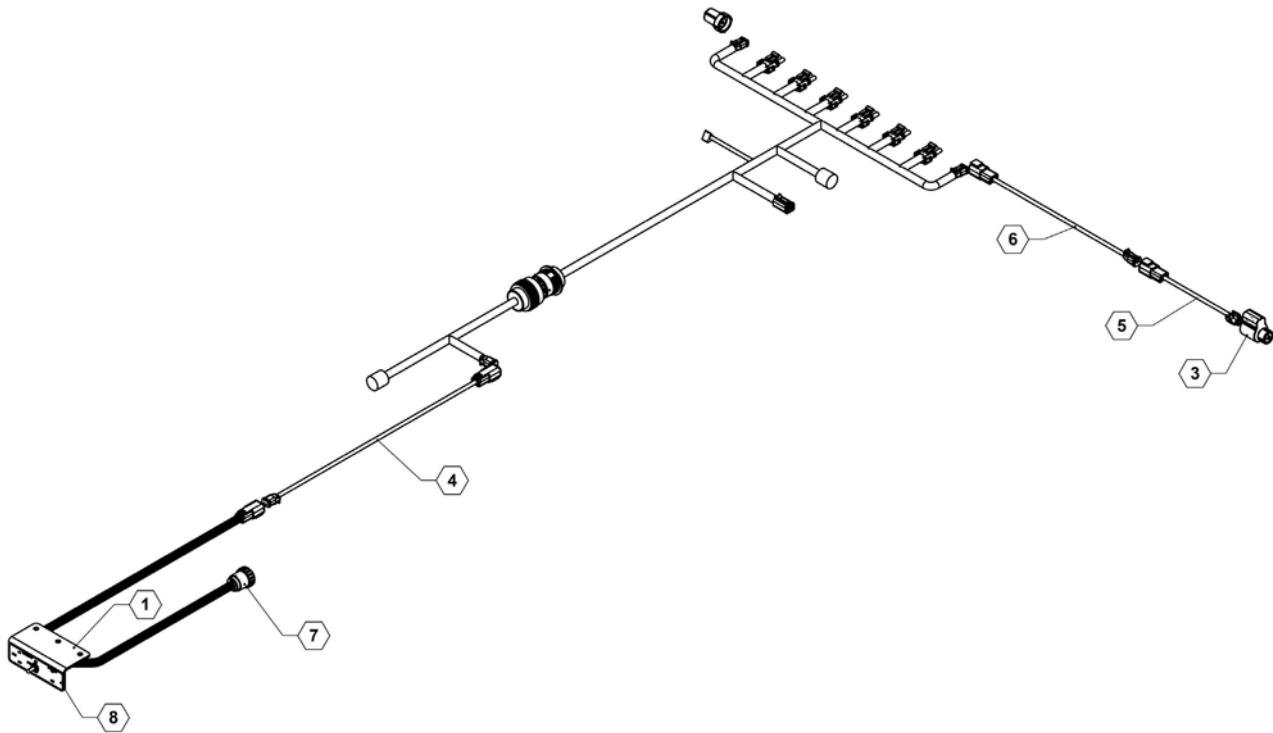


ILLUSTRATED PARTS LIST

Single Fence Line, Toggle Switch Control

NOTE:

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





ILLUSTRATED PARTS LIST

Single Fence Line, Toggle Switch Control Parts List

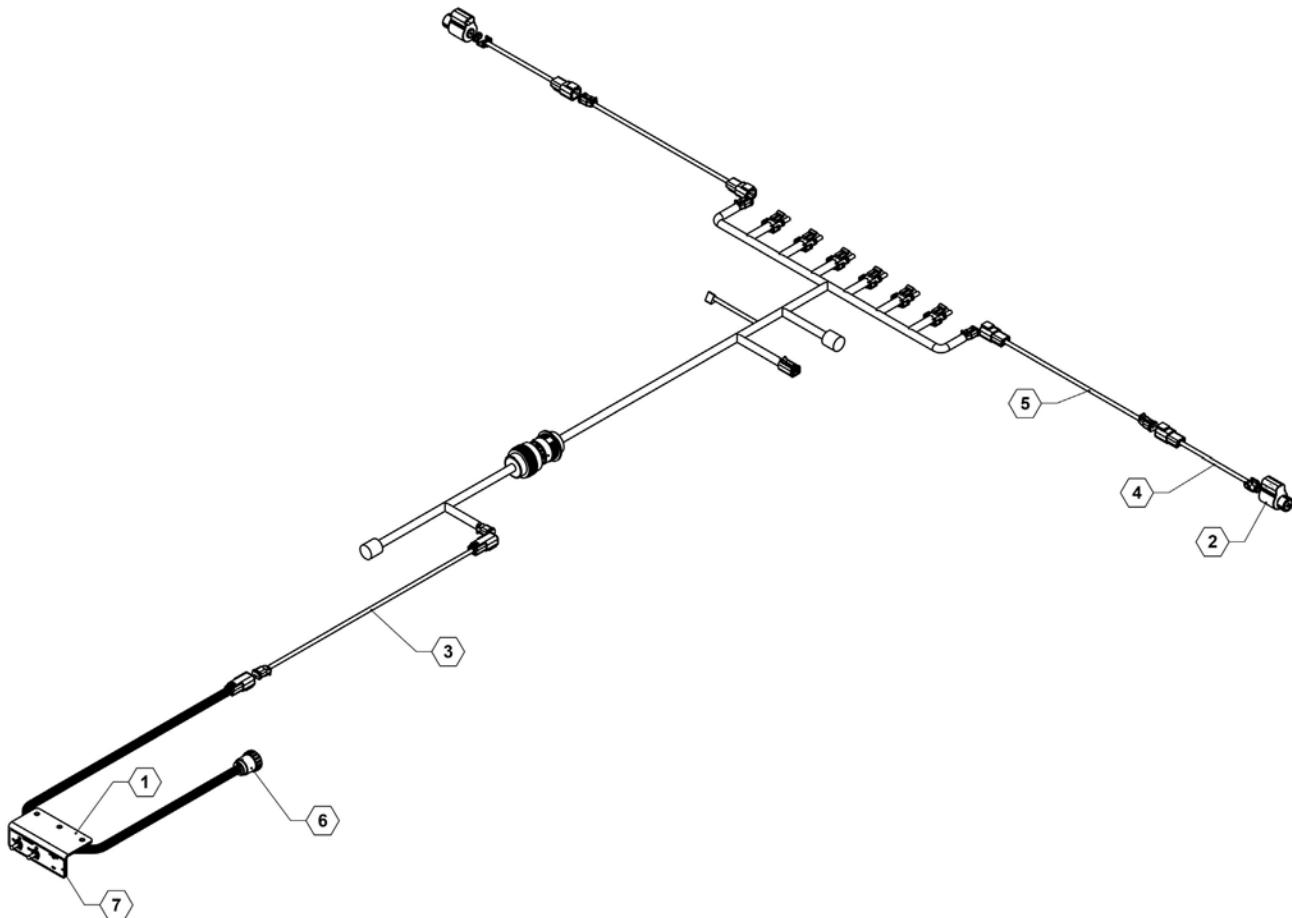
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 18437 | 1 | PLATE, MOUNT |
| 2 | 520037 | 1 | VALVE, MANUAL CHEMSAVER |
| 3 | 520038 | 1 | VALVE, ELECTRIC CHEMSAVER |
| 4 | 632042 | 1 | 2 PIN DT 40' CABLE EXTENSION |
| 5 | 632044 | 1 | FENCEROW ADAPTER CABLE, 6" |
| 6 |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



ILLUSTRATED PARTS LIST

Dual Fence Line, Toggle Switch Control

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

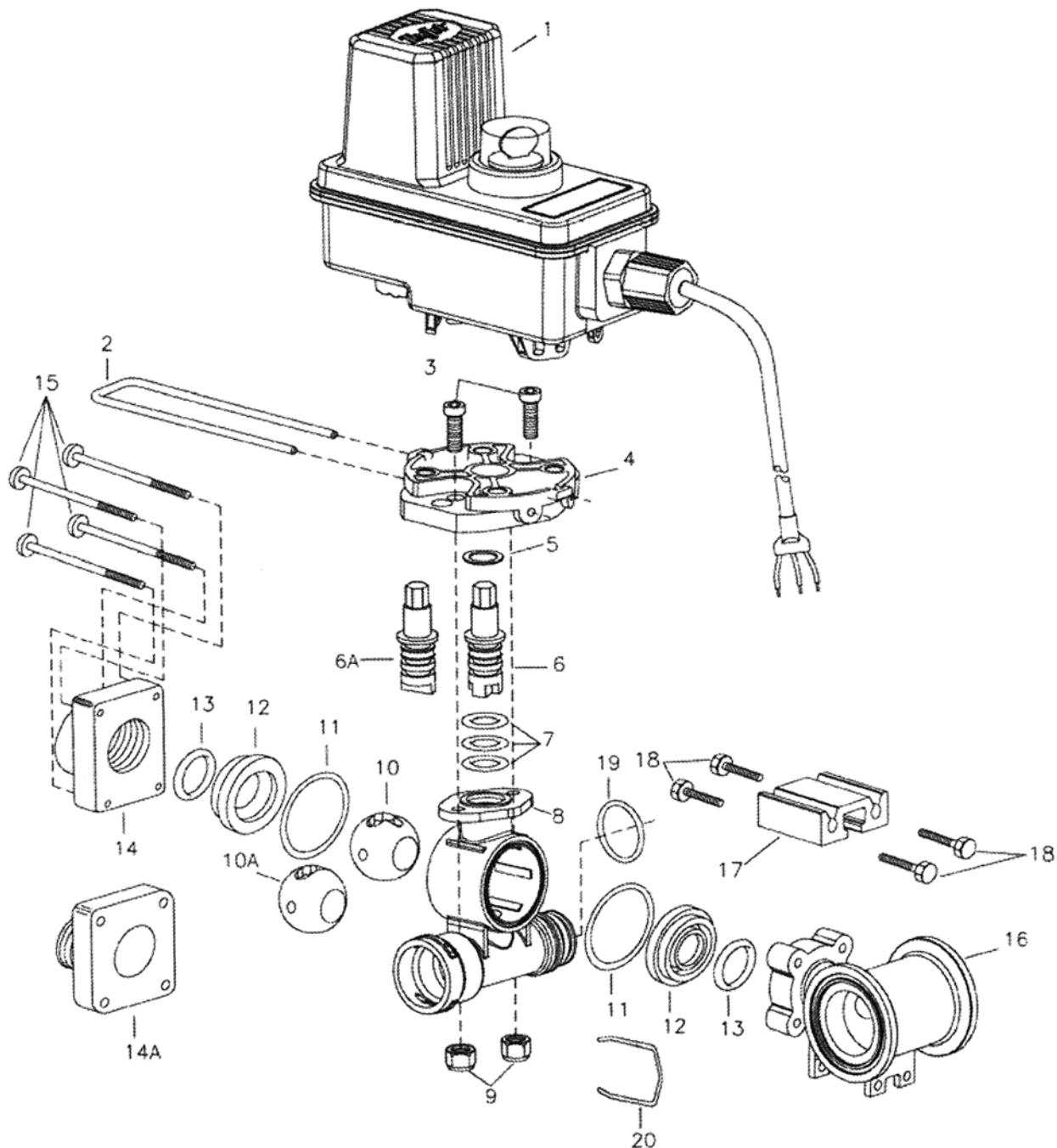




ILLUSTRATED PARTS LIST

Dual Fence Line, Toggle Switch Control Parts List

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

Plumbing Valves



ILLUSTRATED PARTS LIST

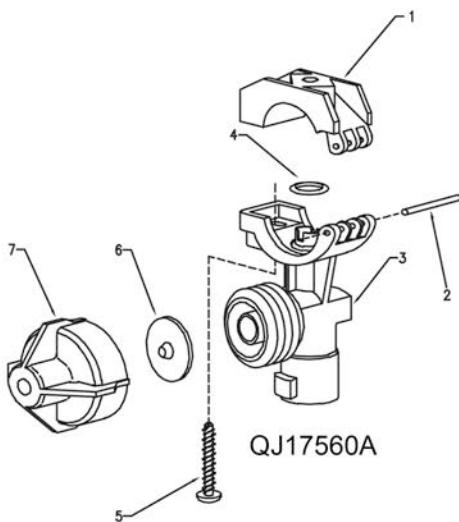
Plumbing Valves Parts List

| 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 |



ILLUSTRATED PARTS LIST

Nozzle Bodies



| ITEM | PART NO. | DESCRIPTION |
|------|---------------------|--|
| 1 | | |
| 2 | 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 |
| 4 | CP7717-2/110-VI | O-Ring, Viton (Optional) |
| 5 | CP48255-1 1/4-302SS | Screw, Stainless Steel |
| 6 | CP21953-EPR | Diaphragm, EPDM |
| 6 | CP21953-VI | Diaphragm, Viton (Optional) |
| 7 | 21950-10-NYB | End Cap Sub-Ass'y, Nylon (Black) |

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

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

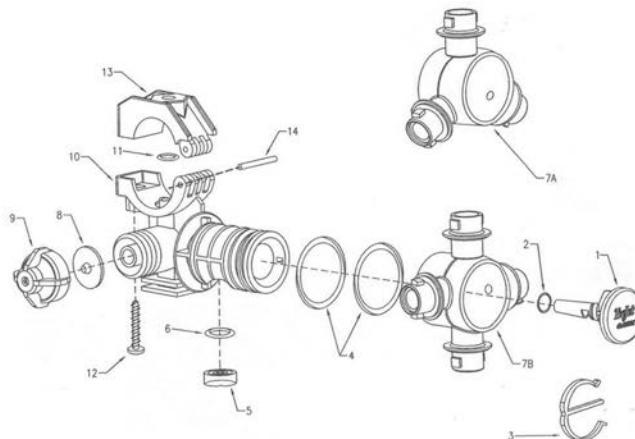
No. QJ36_C-25MM-NYB(-VI) — 25mm Wet Boom Nozzle Body*

*Notes: Specify Either 3, 4, or 5 In Part Number For Number of Outlets Desired,
-VI In Part Number Specifies Viton O-Ring Option

| DESCRIPTION: | | Spraying Systems Co. [®] | |
|--------------|----|---|----------|
| | | Spray Nozzles and Accessories P.O. Box 7900 - Wheaton, IL 60189-7900 | |
| Rev. No. | PL | Ref. | SHEET OF |
| | | | |

QJ360C WET BOOM DIAPHRAGM CHECK VALVE ASSEMBLY FOR TURBO JET™ 3000 NOZZLE BODY ASSEMBLY

| | |
|---|--|
| DESCRIPTION: QJ17560A HINGED CLAMP WITH DIAPHRAGM CHECK VALVE ASSEMBLY NOZZLE BODY ASSEMBLY (1/2", 3/4", 1", 20mm, & 25mm) | Spraying Systems Co. [®] Spray Nozzles and Accessories P.O. Box 7900 - Wheaton, IL 60189-7900 |
| Rev. No. | Parts List No. PL QJ17560A |
| Ref. | Sheet Of |



QJ360C



QJ375

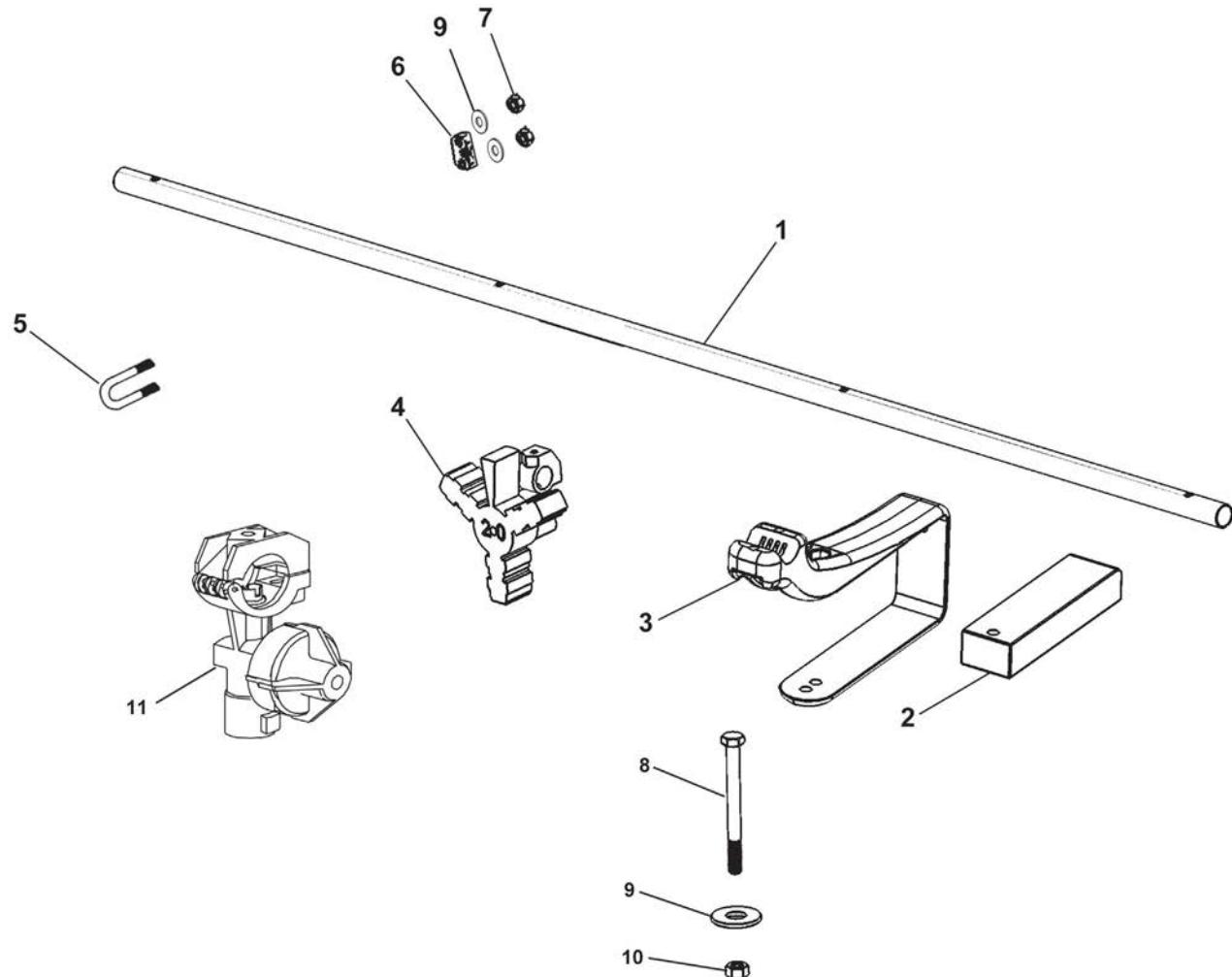


QJ373



ILLUSTRATED PARTS LIST



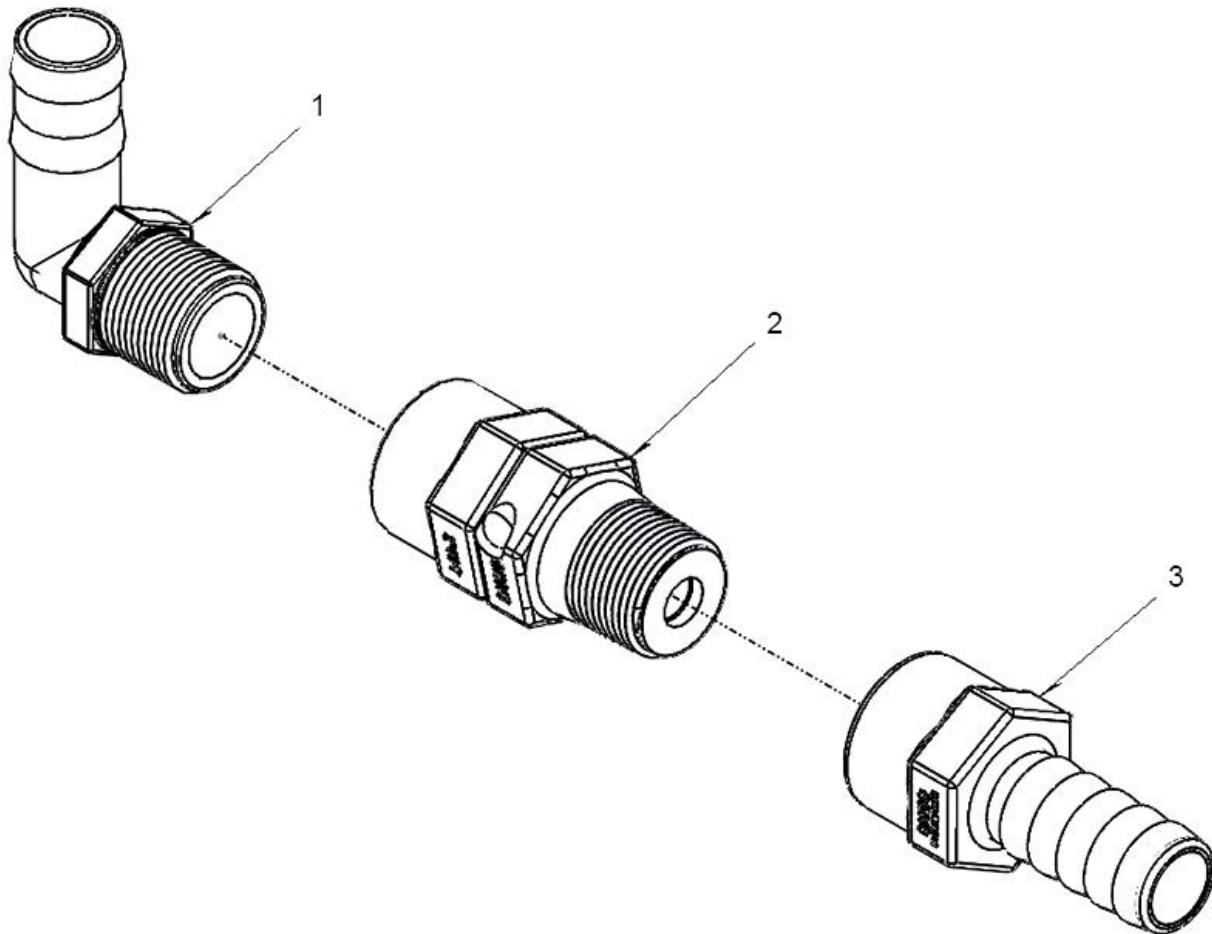
Delivery Tubes



ILLUSTRATED PARTS LIST

Delivery Tubes Parts List

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

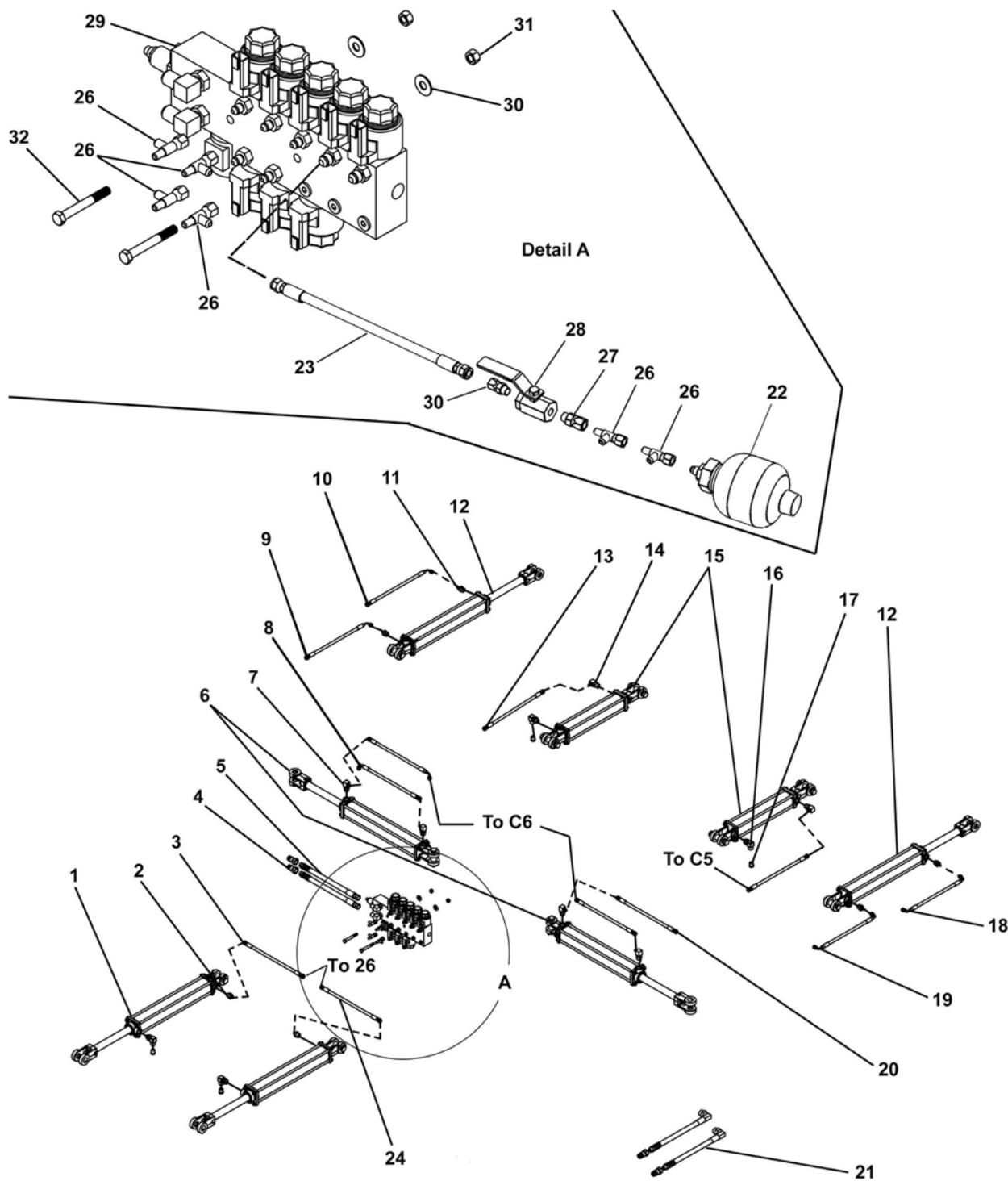
60 - 80' Side Fold Fitting**60 - 80' Side Fold Fitting Parts List**

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



ILLUSTRATED PARTS LIST



Hydraulic System




ILLUSTRATED PARTS LIST

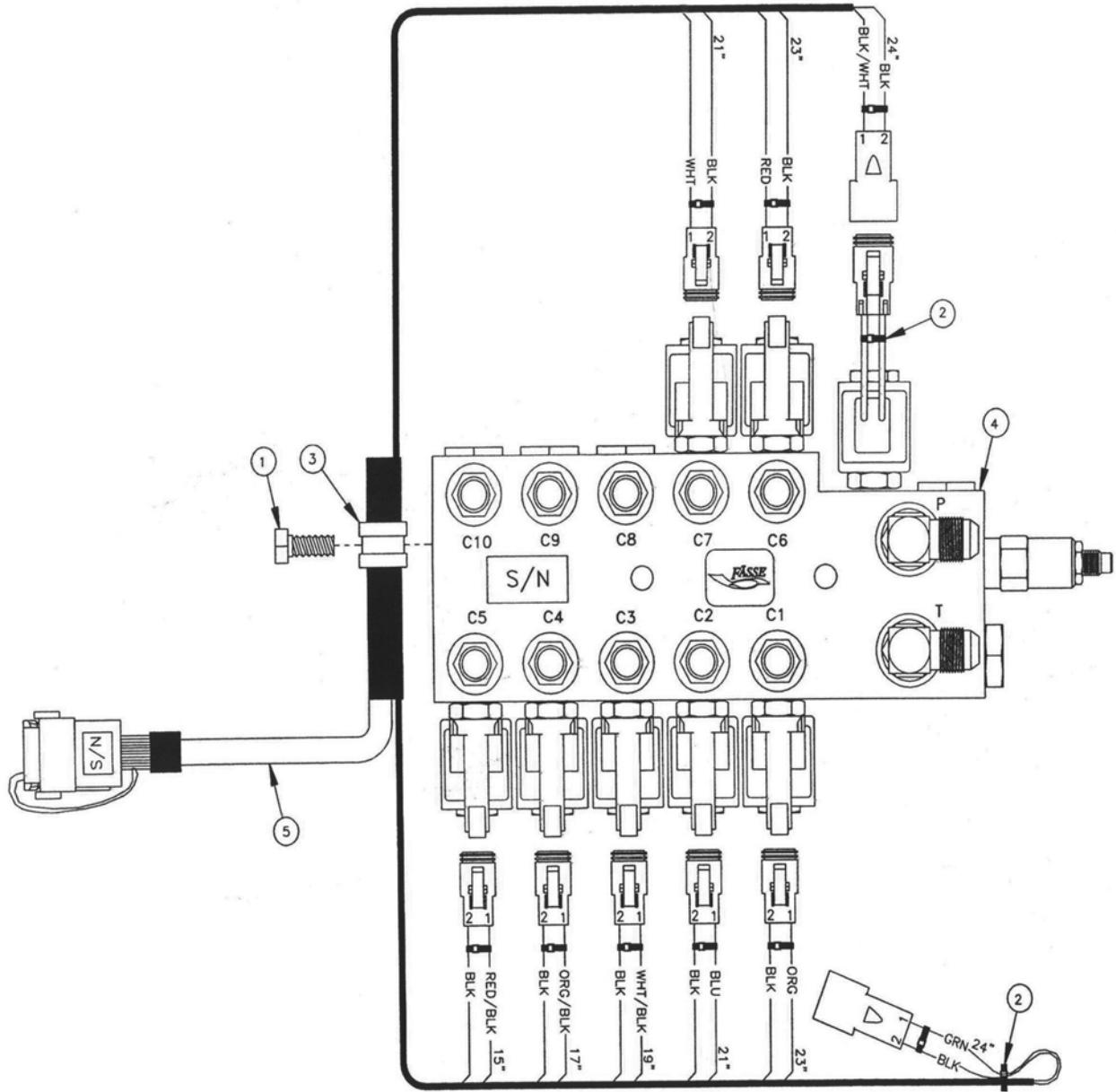
Hydraulic System Parts List

| 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 | | | |



ILLUSTRATED PARTS LIST

Hydraulic Control Valve Harness - 60 - 66 Foot Boom





ILLUSTRATED PARTS LIST

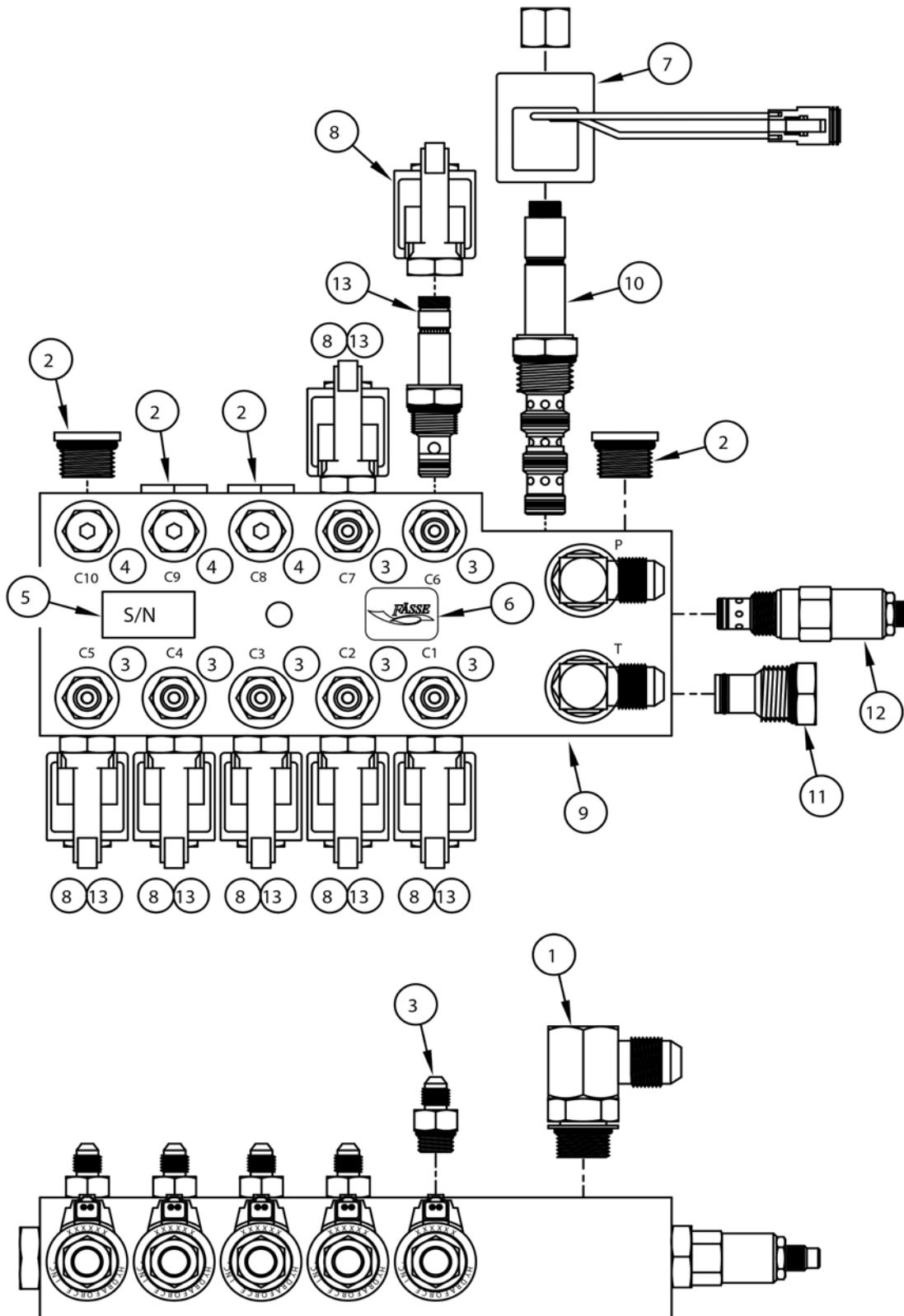
Hydraulic Control Valve Harness - 60 - 66 Foot Boom Parts List

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



ILLUSTRATED PARTS LIST

Hydraulic Control Valve - 60 - 66 Foot Boom





ILLUSTRATED PARTS LIST

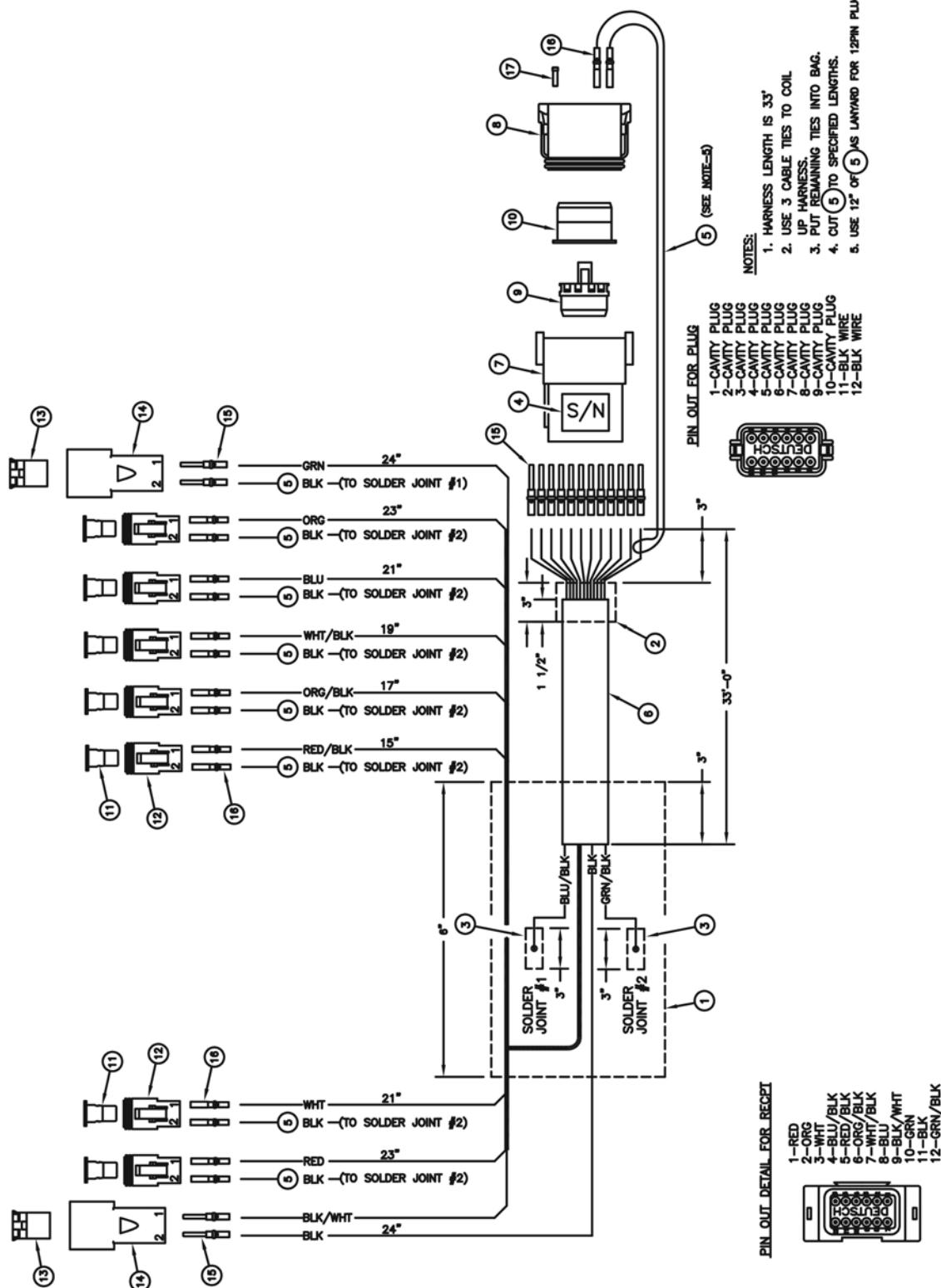
Hydraulic Control Valve - 60 - 66 Foot Boom Parts List

| 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) |



ILLUSTRATED PARTS LIST

Hydraulic Control Valve Harness - 60 - 66 Foot Boom





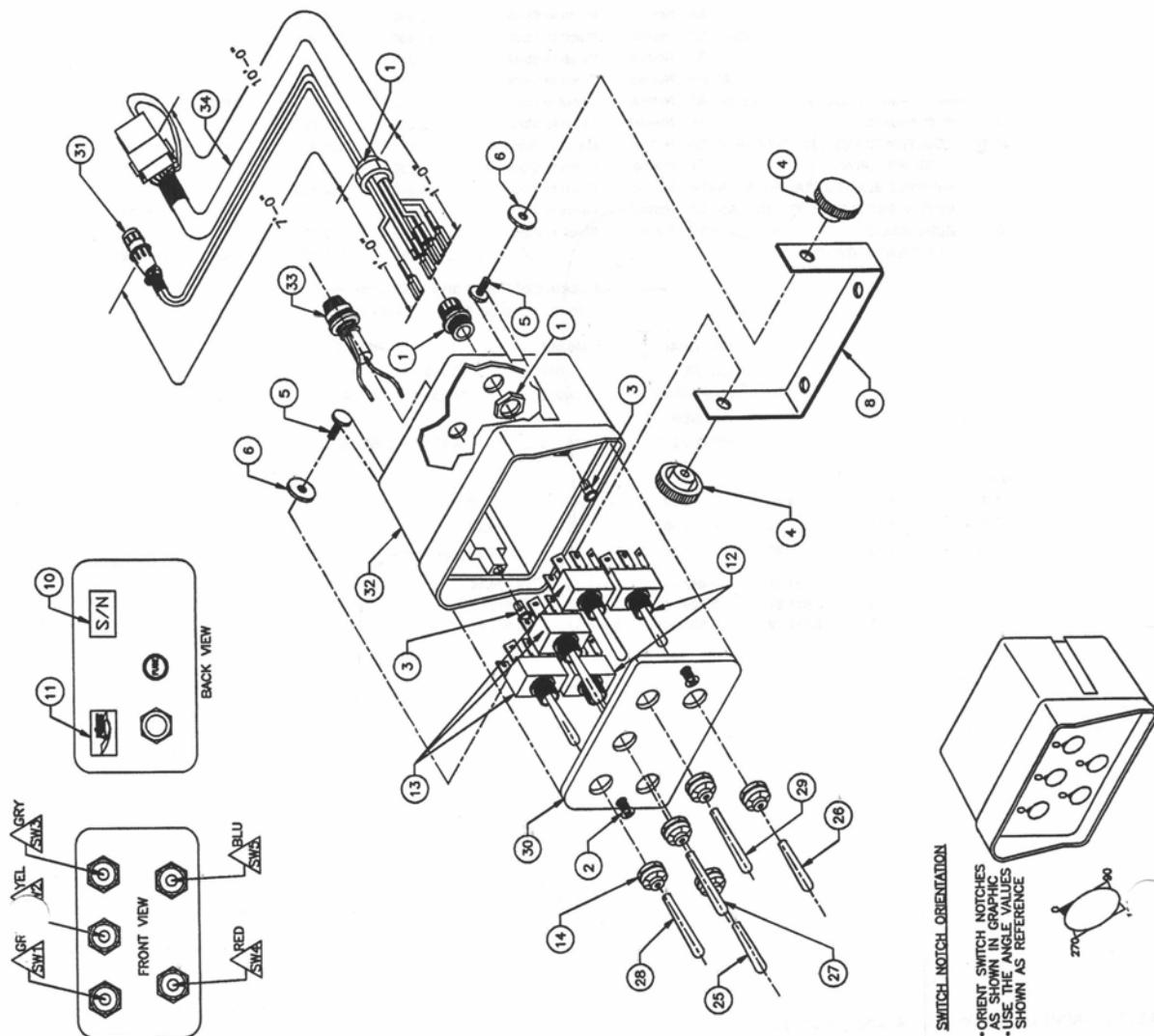
ILLUSTRATED PARTS LIST

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

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

Control Console - 60 - 66 Foot Boom

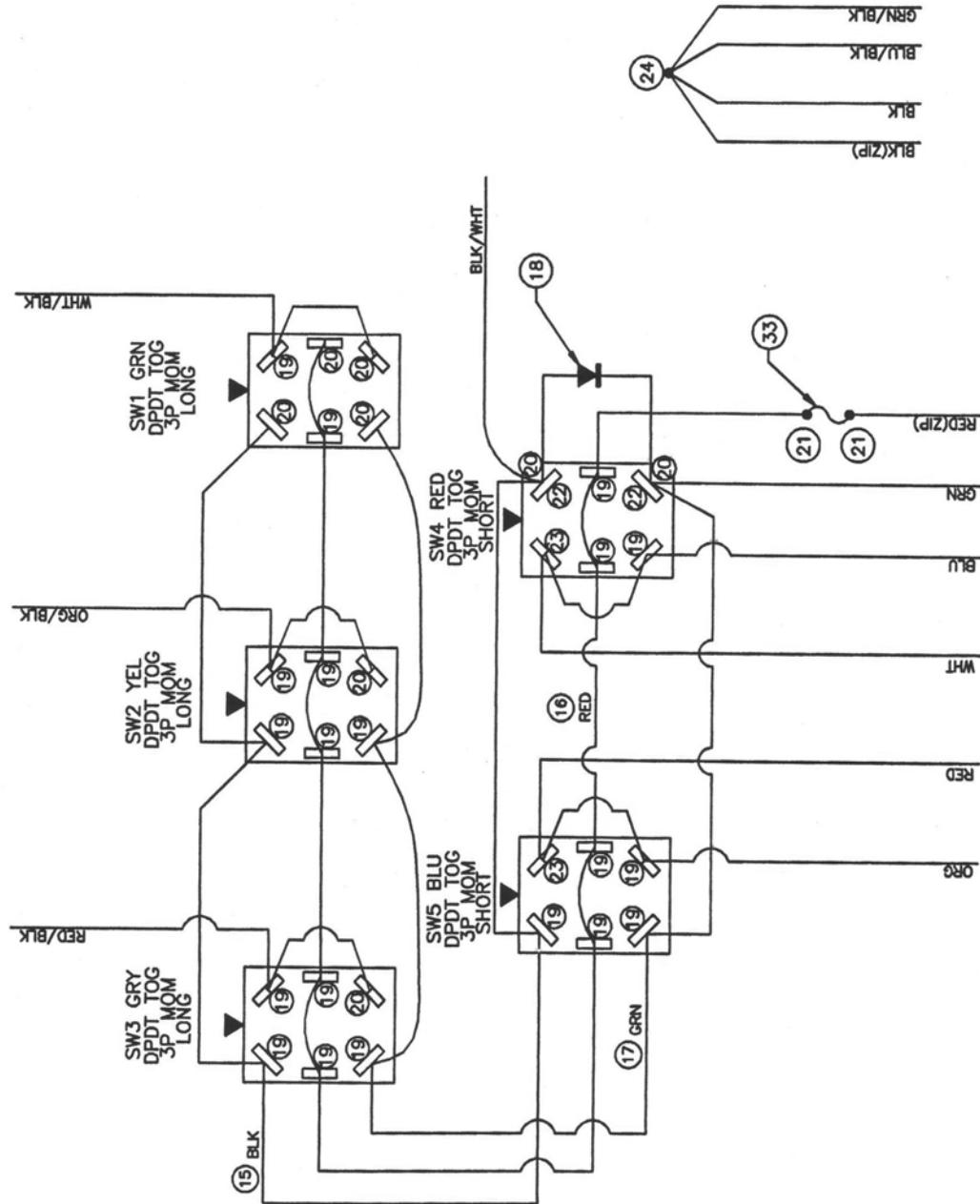
| PARTS LIST | | | |
|------------|-------------|-----|--|
| No. | PART NUMBER | QTY | PART DESCRIPTION |
| 1 | 210-710 | 1 | STR RLF HEICO .25"-.5370, HOLE DIA. .886" |
| 2 | 212-184 | 2 | SCREW 6-32 X 3/8 OVAL HD BLK |
| 3 | 212-202 | 2 | INSERT 6-32X3/8 BRASS |
| 4 | 212-215 | 2 | KNOB 1/4"-20 FEMALE |
| 5 | 212-231 | 2 | SCREW WELDED 1/4"-20 X .500 |
| 6 | 213-335 | 2 | WASHER, NYLON .257X.875X.060 |
| 7 | 214-002 | 3 | CABLE TIE BLACK 7" |
| 8 | 219-300 | 1 | BKT HSNG MONITOR |
| 9 | 230-057 | 1 | BAG, POLY CLR. 14 X 18 24HL W/LOGO |
| 10 | 232-050 | 2 | DECL S/N (SILVER) |
| 11 | 232-059 | 1 | DECAL GOLD/BLK 1.5 X .5 |
| 12 | 250-007 | 2 | SW TOG DEPOT SP MOM SHORT |
| 13 | 250-013 | 3 | SW TOG DEPOT SP MOM LONG |
| 14 | 250-023 | 5 | SW TOG BOOT OPEN GRAY |
| 15 | 252-058 | 18" | WIRE 18GA BLK |
| 16 | 252-069 | 24" | WIRE 18GA RED |
| 17 | 252-060 | 18" | WIRE 18GA GRN |
| 18 | 254-001 | 1 | DIODE D111A2 BAMP |
| 19 | 255-002 | 20 | TRM T-1AP F PO BLU |
| 20 | 255-008 | 8 | TRM PO F MON INS 20/18GA |
| 21 | 255-030 | 2 | TRM SPLICE CLOSED END 16-18GA |
| 22 | 255-070 | 2 | TRM PO MF 14-16GA |
| 23 | 255-119 | 2 | TRM PO F INS 18-14GA |
| 24 | 255-295 | 1 | TRM SPLICE CLOSED END LRG |
| 25 | 259-005 | 1 | SW TOG GRIP VINYL RED .187 |
| 26 | 259-015 | 1 | SW TOG GRIP VINYL BLU .167 |
| 27 | 259-022 | 1 | SW TOG GRIP VINYL YEL .187 |
| 28 | 259-023 | 1 | SW TOG GRIP VINYL GRN .187 |
| 29 | 259-027 | 1 | SW TOG GRIP VINYL GRY .187 |
| 30 | 311-083 | 1 | ENCL FP DRIL MNTR/FD DECFL-5X15/32 .3SA |
| 31 | 314-217 | 1 | HARNESS R/B WIRE SERIES 3 P/8' |
| 32 | 319-725 | 1 | ENCL DRILL MNTRBX FH-7/8" STR RLF |
| 33 | 319-769 | 1 | FUSEHOLDER PM ASSTY 10A /-/5' |
| 34 | 320-184 | 1 | HRN 132CN 18GA DTP KEY A 12P(12) 11° END CAP |





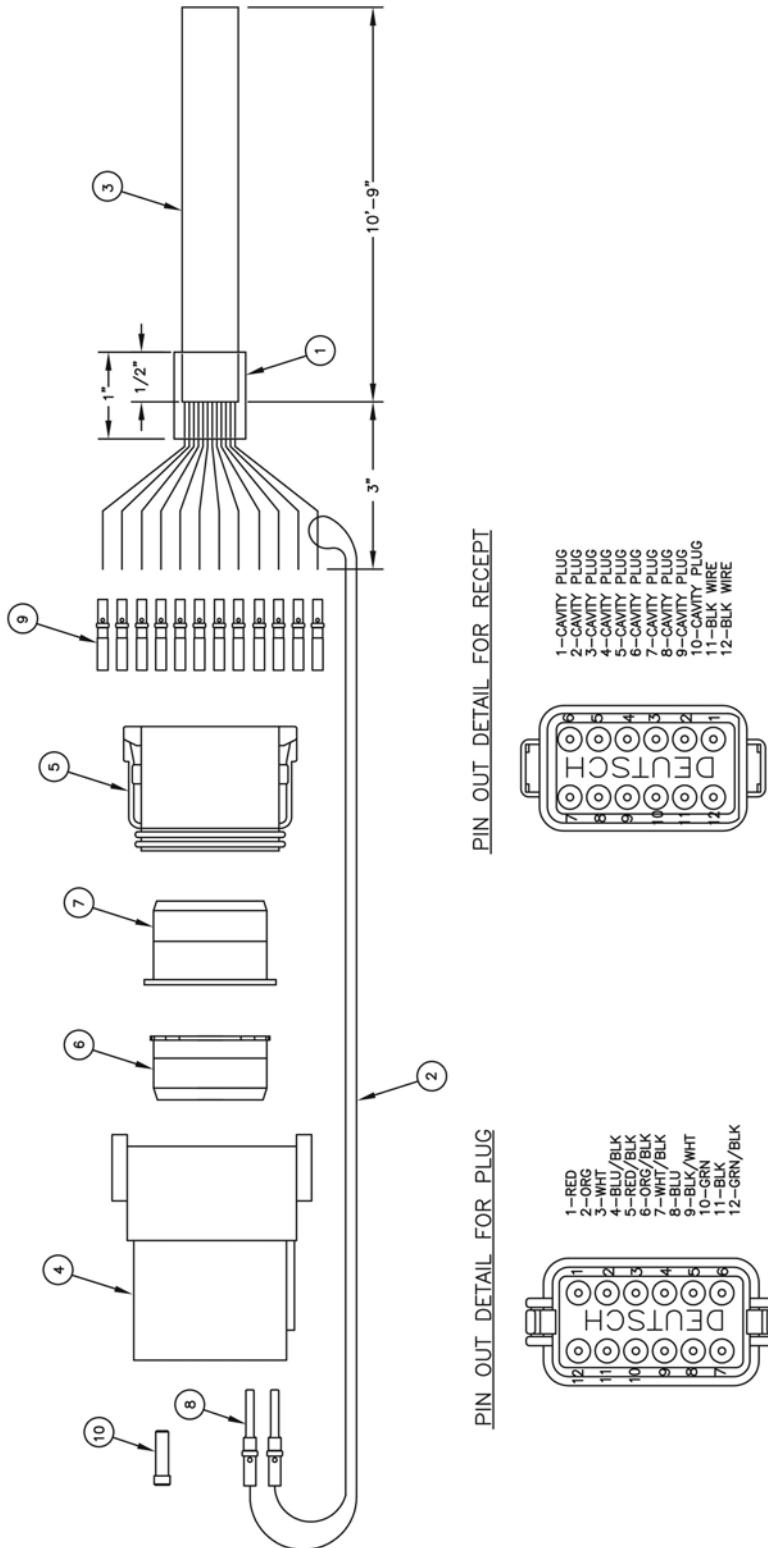
ILLUSTRATED PARTS LIST



Control Console - 60 - 66 Foot Boom
SWITCH WIRING DIAGRAM


Wiring Harness - 60 - 66 Foot Boom
PARTS LIST

| Nº | 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 RECFT 12PIN |
| 5 | 255-213 | 1 | CNTR DEUTCH 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 | CONN DEUT PIN 16-18GA |
| 9 | 255-978 | 12 | CNTR DEUTSCH SOCKET 16/18GA |
| 10 | 255-979 | 10 | CONN DEUT CAVITY PLUG |



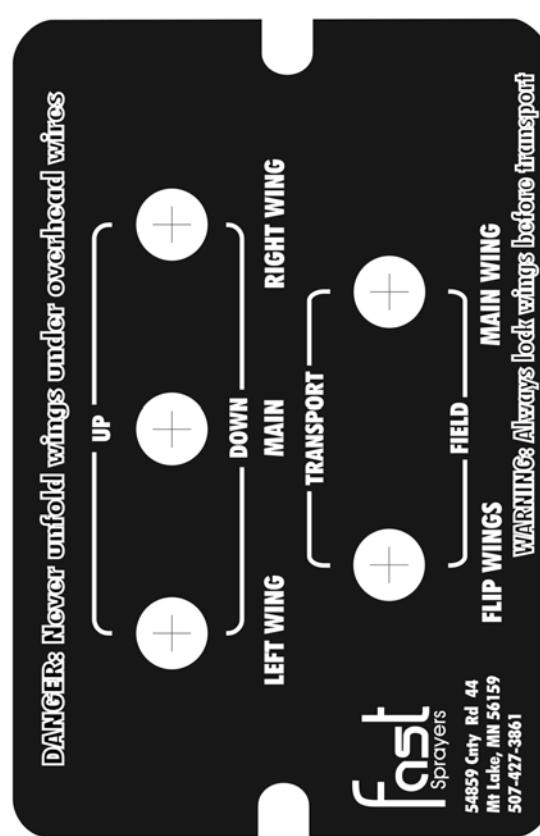


ILLUSTRATED PARTS LIST

Control Console Decal - 60 - 66 Foot Boom

700-0805-4103 & 700-0805-4104

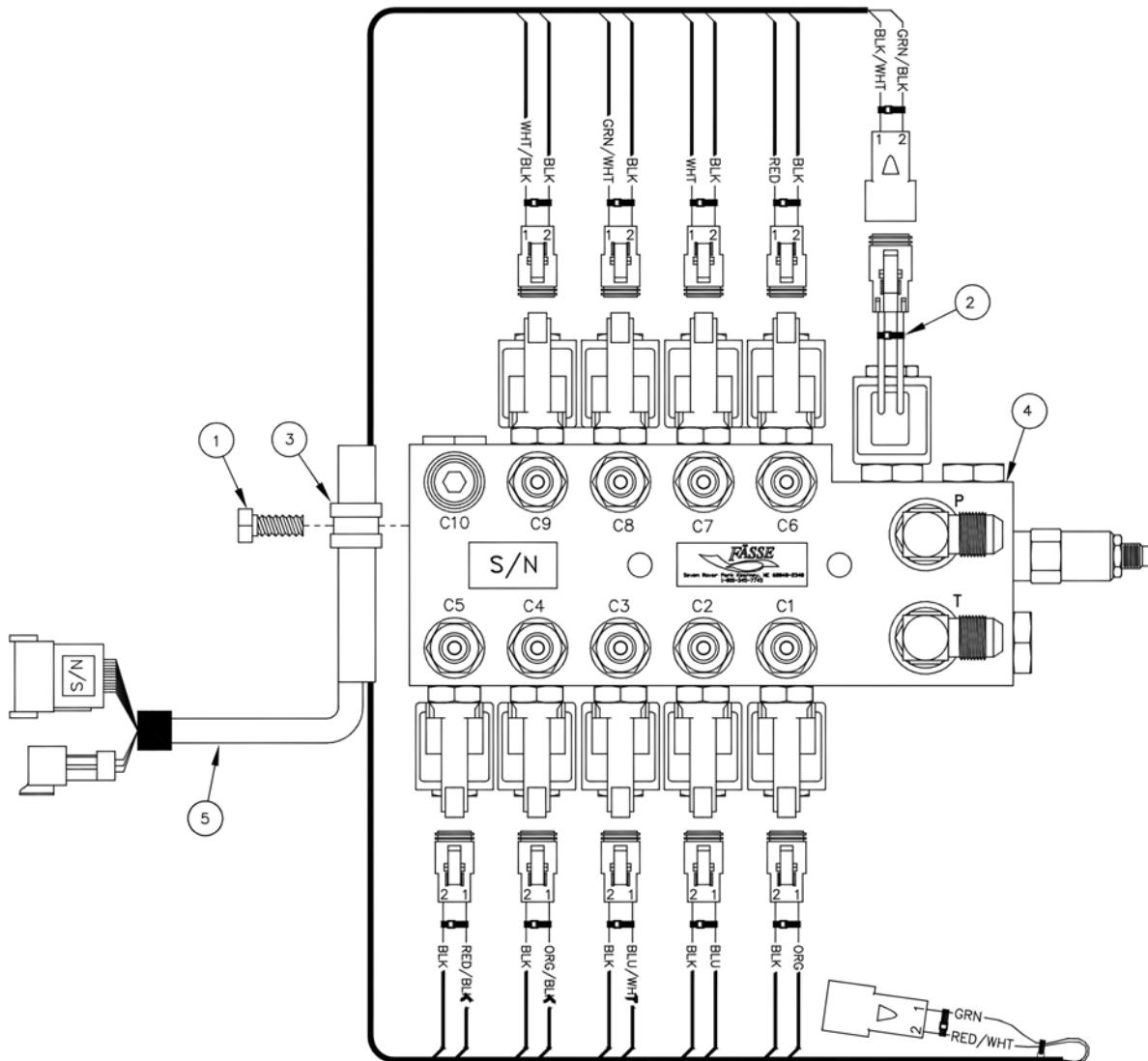
| Switch No. | Boot Color | Switch Position | Hot Wires | Pin Out Location | Pressure Ports | Tank Ports | Function |
|------------|------------|-----------------|---------------------------|------------------|----------------|------------|----------------------|
| 1 Long | Green | Up (mom) | Wht/Blk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





ILLUSTRATED PARTS LIST

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

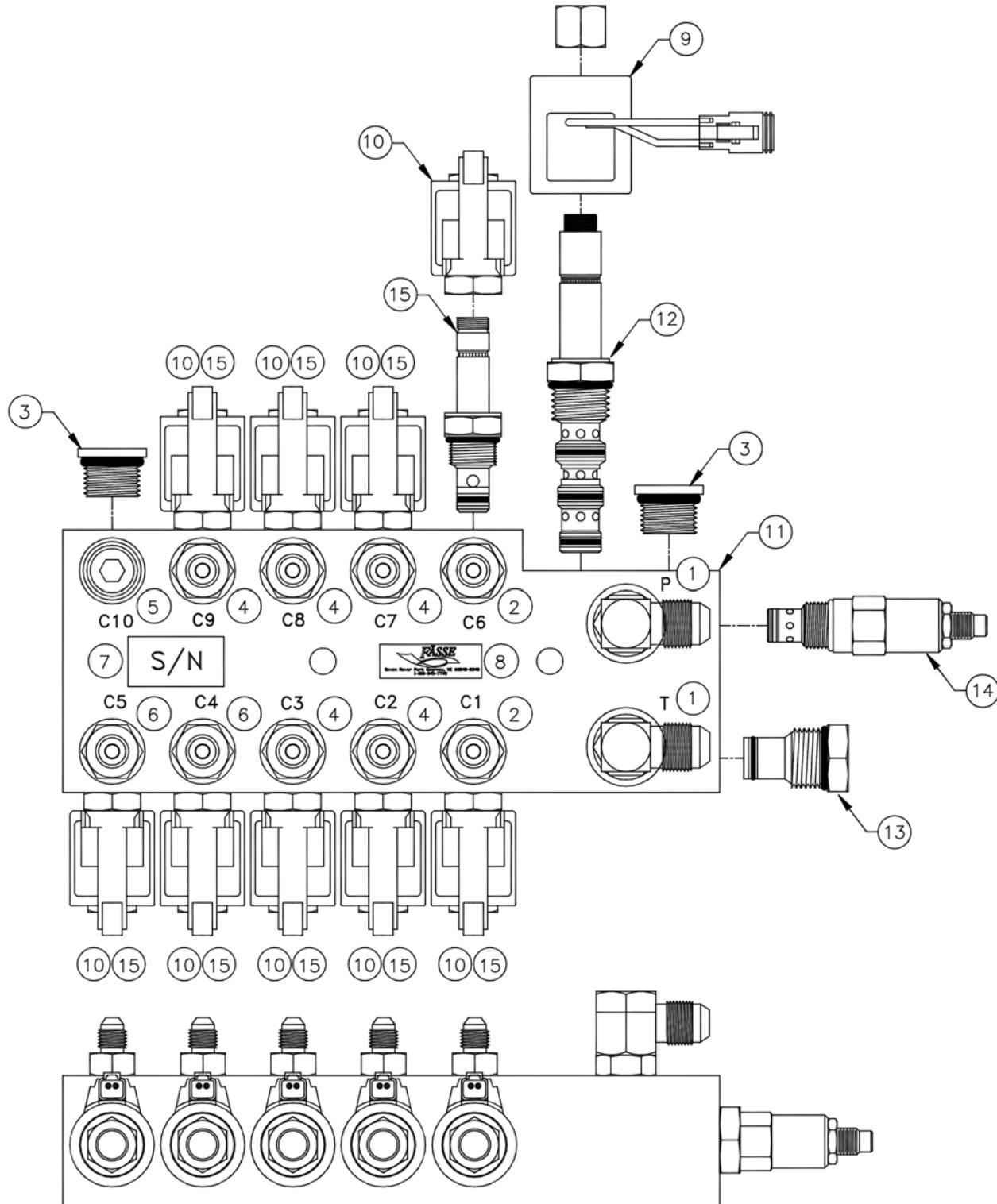


| PARTS LIST | | | |
|------------|-------------|-----|---|
| Nº | PART NUMBER | QTY | PART DESCRIPTION |
| 1 | 212-025 | 1 | BOLT 5/16-18 X .75 |
| 2 | 214-002 | 13 | CABLE TIE BLACK 7" |
| 3 | 255-026 | 1 | LOOM CLAMP .5"ID METAL/RUBB |
| 4 | 302-780 | 1 | MANI ASSY 0806 4DA 1SA CLSD DTR 12V WP6400-4(7)+6(2)R.047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



ILLUSTRATED PARTS LIST

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

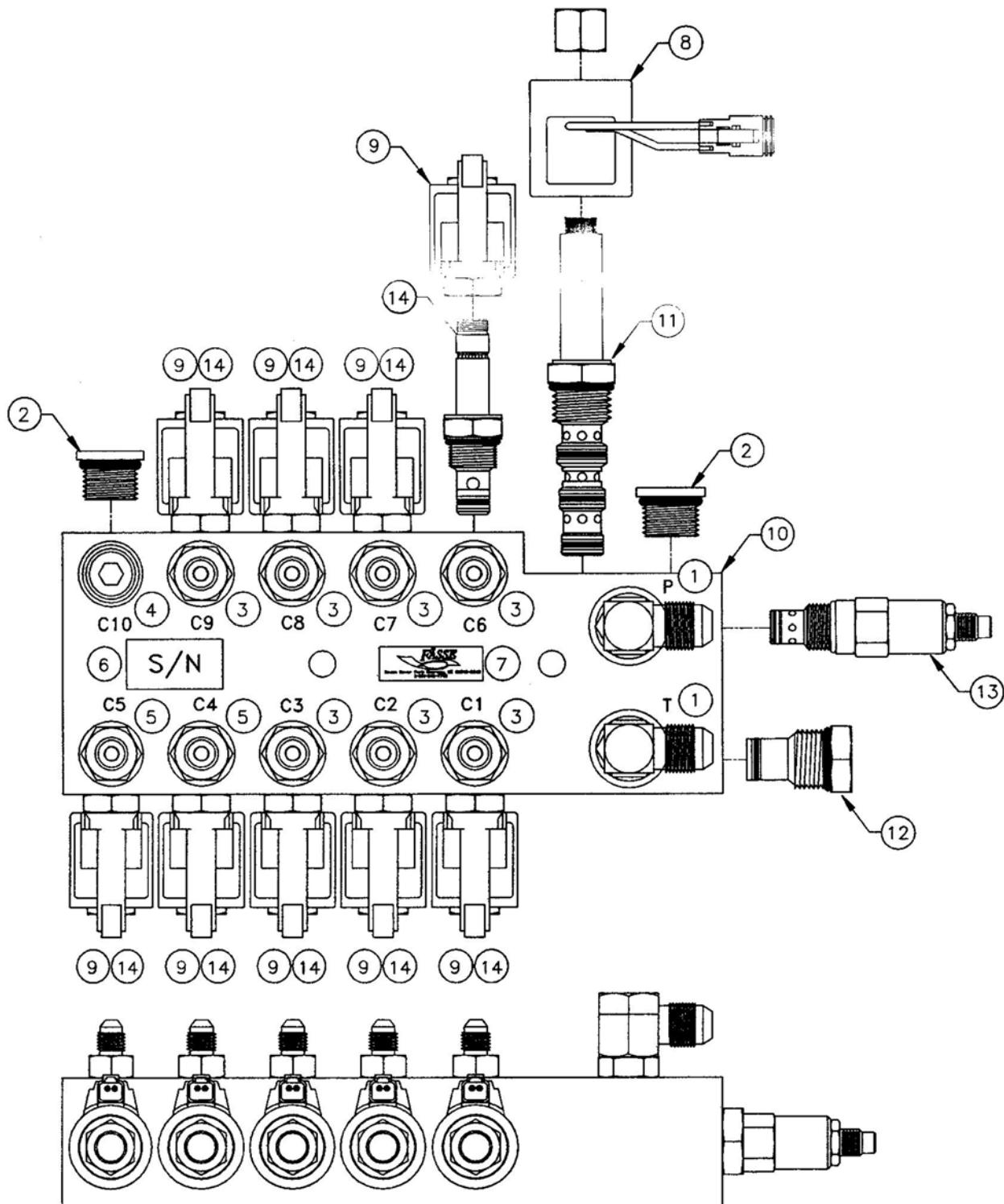




ILLUSTRATED PARTS LIST

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 - 9600N




ILLUSTRATED PARTS LIST

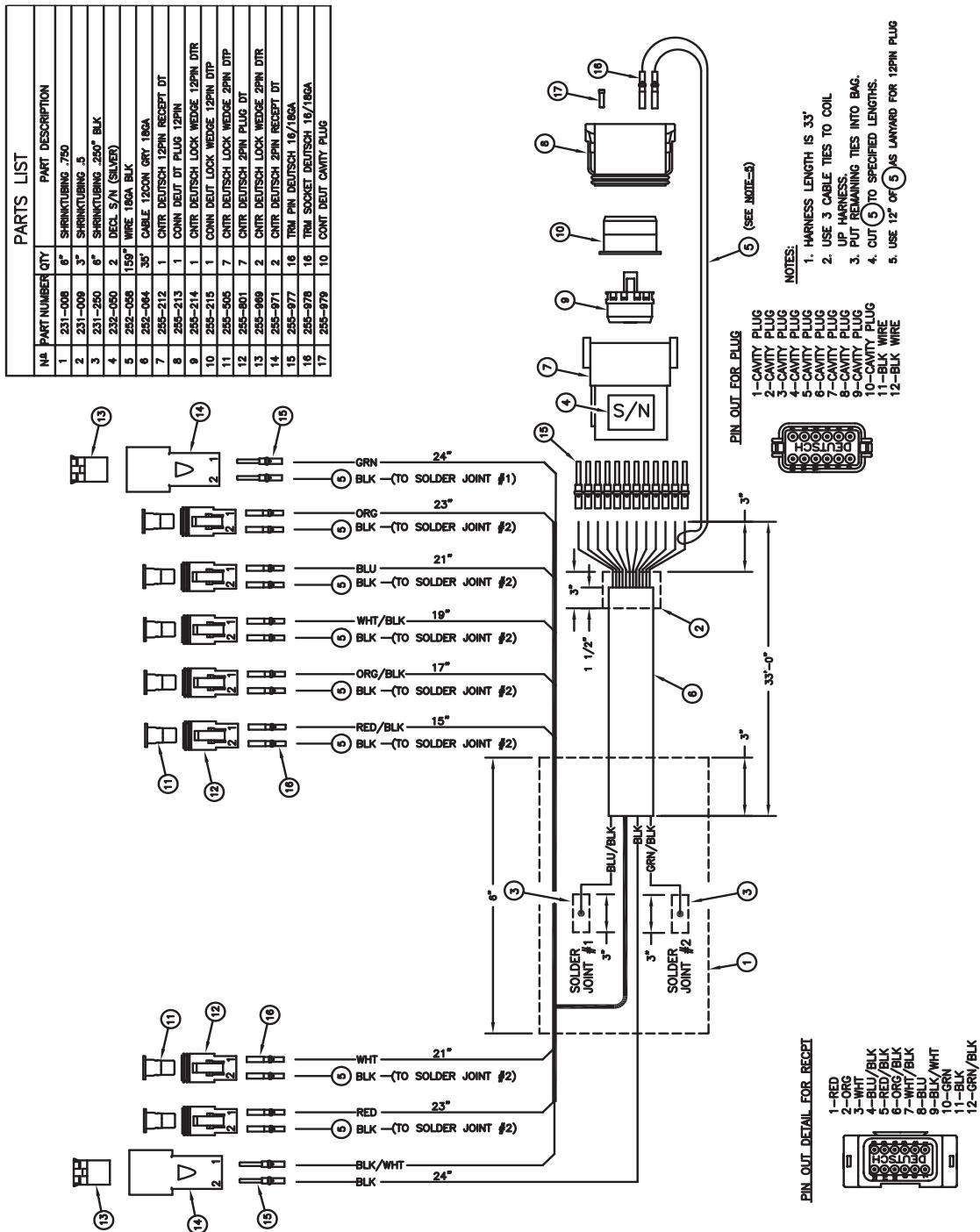
Hydraulic Control Valve - 9600N Parts List

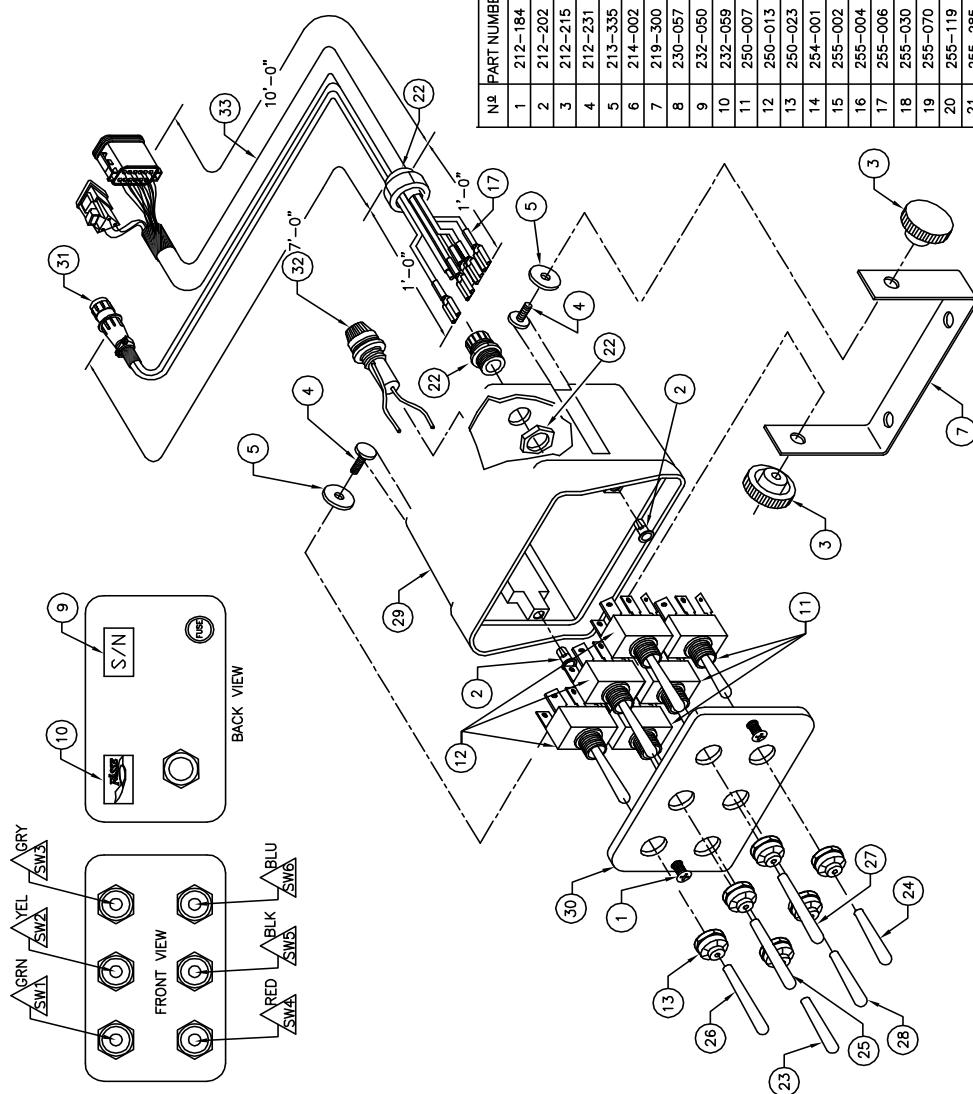
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | 210-017 | 2 | FITTING 6801-8/E-MJ-MO |
| 2 | 210-038 | 2 | FITTING 6408-HHP-8/HOLL HEX PLUG MO |
| 3 | 210-113 | 7 | FITTING 6400-4-6/S-MJ-MO |
| 4 | 210-127 | 1 | FITTING 6408-HHP-6/HOLL HEX PLUG MO |
| 5 | 210-188 | 2 | FITTING 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) |



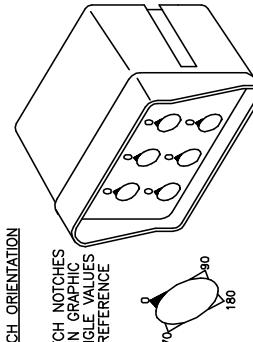
ILLUSTRATED PARTS LIST

Hydraulic Control Valve Wiring Harness

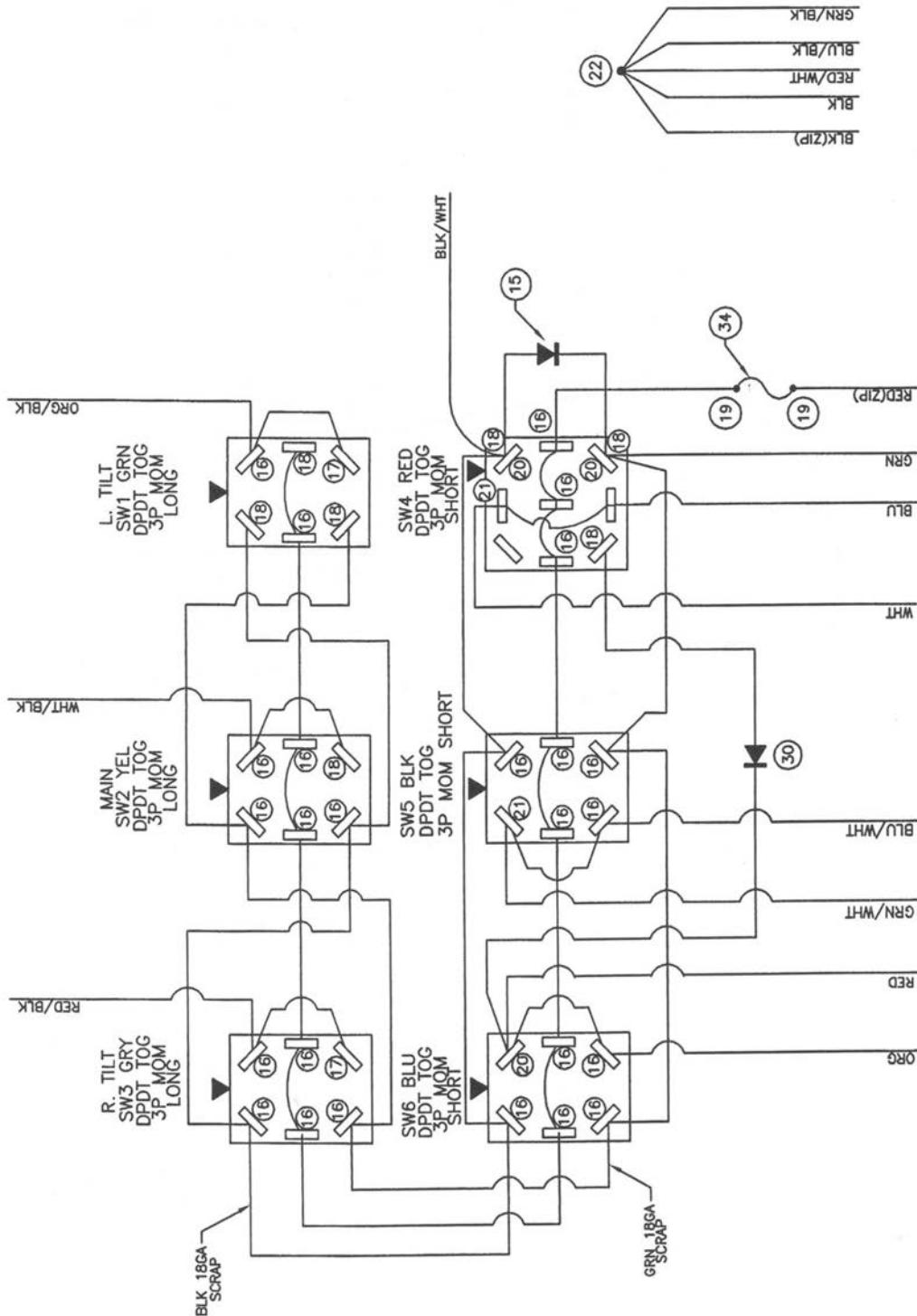


Control Console - 80, 90 & 100 Foot Boom


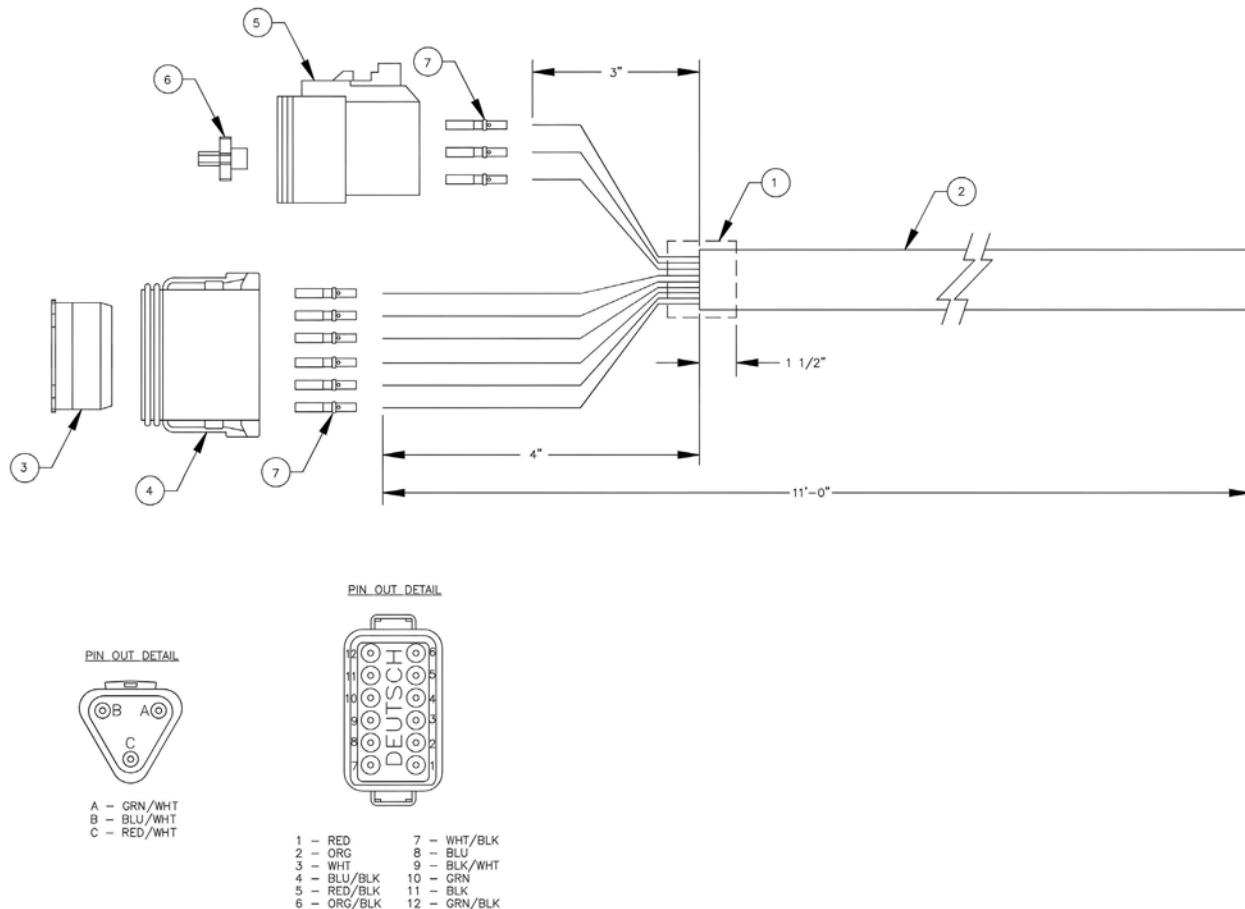
| NO | PART NUMBER | QTY | PART DESCRIPTION |
|----|-------------|-----|---|
| 1 | 212-184 | 2 | SCREW 6-32 X 3/8 OVAL HD BLK |
| 2 | 212-202 | 2 | INSERT 6-32X3/8 BRASS |
| 3 | 212-215 | 2 | KNOB 1/4-20 FEMALE |
| 4 | 212-231 | 2 | SCREW WELDED 1/4-20 X .500 |
| 5 | 213-335 | 2 | WASHER NYLON .257X.875X.050 |
| 6 | 214-002 | 3 | CABLE TIE BLACK 7" |
| 7 | 219-300 | 1 | BRKT HSNG MONITOR |
| 8 | 230-057 | 1 | BAG POLY CLR 14 X 18 2MIL W/LOGO |
| 9 | 232-050 | 2 | DEC'L S/N (SILVER) |
| 10 | 232-059 | 1 | DEC'L GOLD BLK 1.5 X .5 |
| 11 | 250-007 | 3 | SW TOG DPDT 3P MOM SHORT |
| 12 | 250-013 | 3 | SW TOG DPDT 3P MOM LONG |
| 13 | 250-023 | 6 | SW TOG BOOT OPEN GRY |
| 14 | 254-001 | 1 | DIODE D116A2 6AMP |
| 15 | 255-002 | 25 | TRM T-TAP F POI 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"ID, HOLE DIA 1.115" |
| 23 | 259-005 | 1 | SW TOG GRIP VNYL RED .187 |
| 24 | 259-015 | 1 | SW TOG GRIP VNYL BLU .187 |
| 25 | 259-022 | 1 | SW TOG GRIP VNYL YEL .187 |
| 26 | 259-023 | 1 | SW TOG GRIP VNYL GRN .187 |
| 27 | 259-027 | 1 | SW TOG GRIP VNYL GRY .187 |
| 28 | 259-031 | 1 | GRIP TOG VNYL BLK .187" |
| 29 | 304-400 | 1 | ENCL DRILL MNTRBX FH-1 1/8" G |
| 30 | 304-751 | 1 | ENCL DRILL FP MNTR SW6 FG0204 |
| 31 | 314-217 | 1 | HARNESS R/B WIRE SERIES 3 P/8 |
| 32 | 319-769 | 1 | FUSEHOLDER PM ASSY 10A / .5" |
| 33 | 320-760 | 1 | HRN 15CON 18GA DTP KEY A 12P(12)DTP3P(3) 11" |



*ORIENT SWITCH NOTCHES AS SHOWN IN GRAPHIC
•USE THE ANGLE VALUES SHOWN AS REFERENCE

Control Console Switch Diagram
SWITCH WIRING DIAGRAM


▲ = NOTCH LOCATION

Wiring Harness - 80, 90 & 100 Foot Boom

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

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



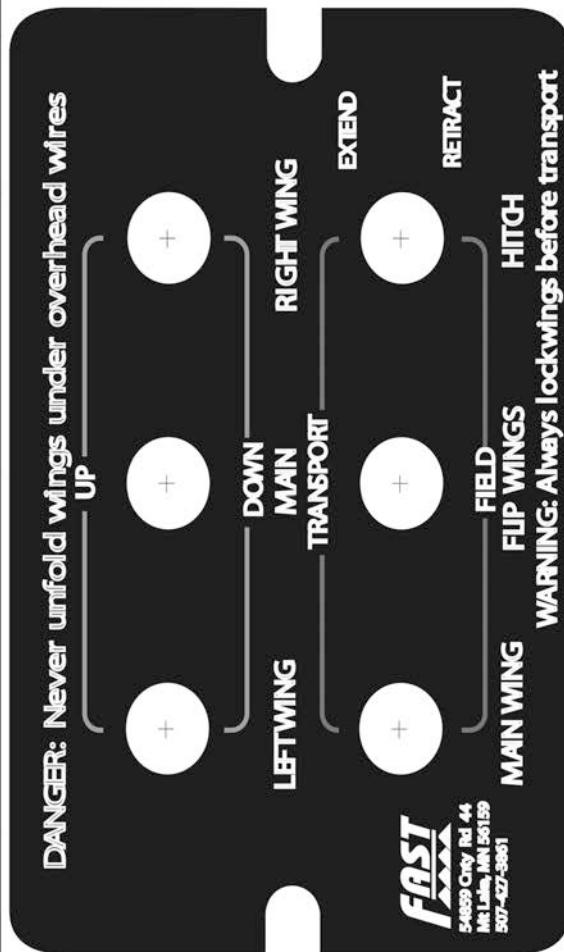
ILLUSTRATED PARTS LIST

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 | ----- | ----- | Lt. Wing Up Off |
| | | Center (stat) | Org/Blk & Grn & Blk/Wht | 6-12P, 10-12P, 9-12P | ----- | ----- | Lt. Wing Down |
| | | Down (mom) | Wht/Blk & Grn | 7-12P, 10-12P | C9 | ----- | Main Up Off |
| 2 Long | Yellow | Up (mom) | Wht/Blk & Grn & Blk/Wht | 7-12P, 10-12P, 9-12P | ----- | ----- | Main Down |
| | | Center (stat) | Wht/Blk & Grn | 7-12P, 10-12P | ----- | C9 | Rt. Wing Up Off |
| | | Down (mom) | Red/Blk & Grn | 5-12P, 10-12P | C5 | ----- | Rt. Wing Down |
| 3 Long | Gray | Up (mom) | Red/Blk & Grn & Blk/Wht | 5-12P, 10-12P, 9-12P | ----- | ----- | Main Up Off |
| | | Center (stat) | Red/Blk & Grn | 5-12P, 10-12P, 9-12P | C2 | ----- | Rt. Wing Up Off |
| | | Down (mom) | Wht & Blu & Grn | 3-12P, 8-12P, 10-12P | C7 | ----- | Main Wing Transport Off |
| 4 Short | Red | Up (mom) | Wht & Blu & Grn & Blk/Wht | 3-12P, 8-12P, 10-12P, 9-12P | ----- | ----- | Main Wing Field |
| | | Center (stat) | Wht & Blu & Grn & Blk/Wht | 3-12P, 8-12P, 10-12P, 9-12P | C7 | ----- | Flip Wings Transport Off |
| | | Down (mom) | Grn/Whit & Blu/Whit & Grn | 1-3P, 2-3P, 10-12P | C3 | ----- | Flip Wings Field |
| 5 Short | Black | Up (mom) | Grn/Whit & Blu/Whit & Grn & Blk/Wht | 1-3P, 2-3P, 10-12P, 9-12P | C8 | ----- | MAIN WING |
| | | Center (stat) | Grn/Whit & Blu/Whit & Grn & Blk/Wht | 1-3P, 2-3P, 10-12P, 9-12P | C8 | ----- | HITCH |
| | | Down (mom) | Blk | 1-12P, 2-12P, 10-12P | C1 | ----- | EXTEND |
| 6 Short | Blue | Up (mom) | Red & Org & Grn | 1-12P, 2-12P, 10-12P | ----- | ----- | RETRACT |
| | | Center (stat) | Red & Org & Grn & Blk/Wht | 1-12P, 2-12P, 10-12P, 9-12P | C6 | ----- | HITCH |
| | | Down (mom) | Red/Whit | 3-3P | ----- | ----- | FIELD |
| ----- | ----- | ----- | Blu/Blk | 4-12P | ----- | ----- | FLIP WINGS |
| | | ----- | ----- | 12-12P | ----- | ----- | WARNING: Always lockwings before transport |
| | | ----- | ----- | ----- | ----- | ----- | ----- |

DANGER: Never unfold wings under overhead wires



FAST
54059 Hwy 44
McLeod, MN 56159
507-427-3861



ILLUSTRATED PARTS LIST

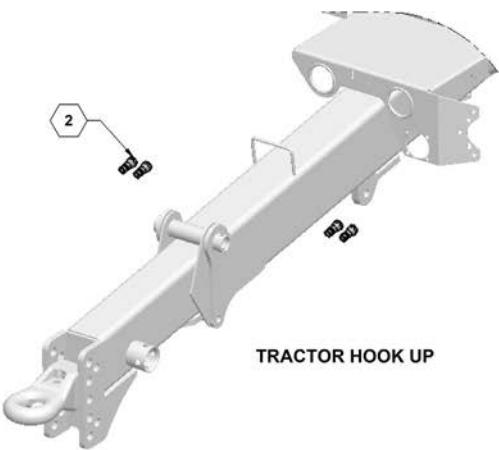




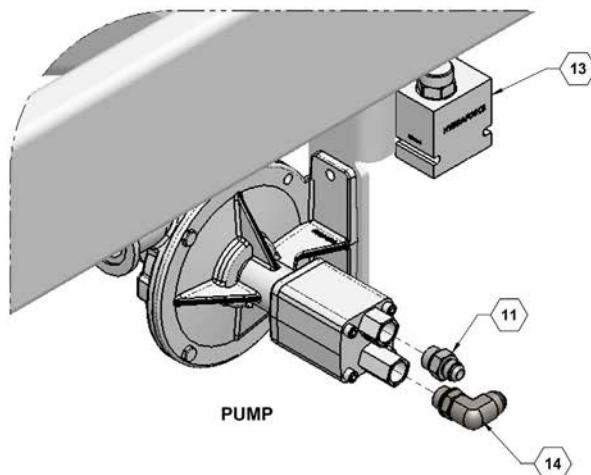
ILLUSTRATED PARTS LIST

9613TF-80 Hydraulic Fitting Locations

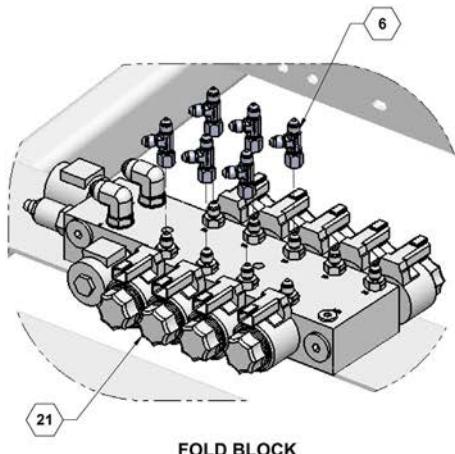
9613TF-80 FITTING I.D. & LOCATION



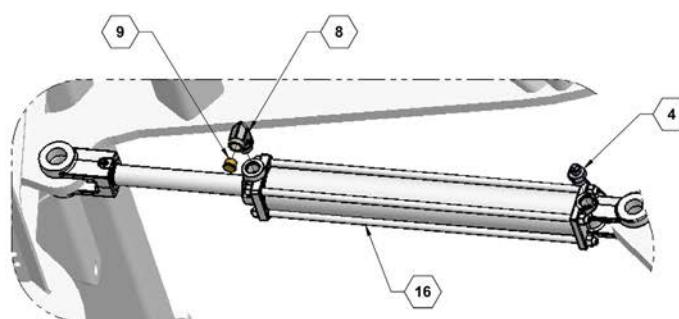
TRACTOR HOOK UP



PUMP



FOLD BLOCK



MAIN LIFT CYLINDERS



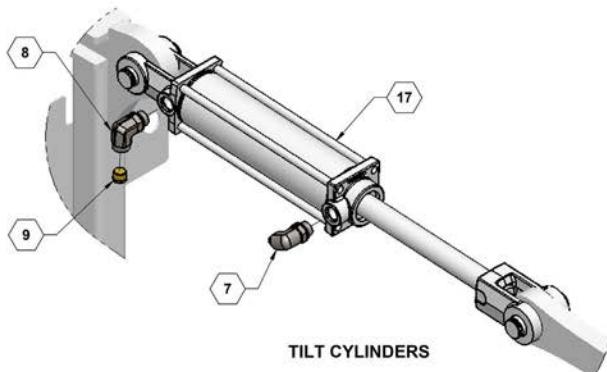
ILLUSTRATED PARTS LIST

9613TF-80 Hydraulic Fitting Locations Parts List

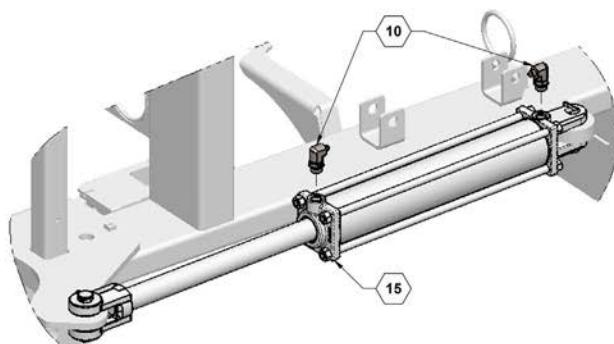
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------------|
| 2 | 520048 | 4 | PIONEER COUPLER #8 FORB |
| 4 | 610011 | 3 | JIC #6 TO ORING #8 |
| 6 | 610028 | 6 | #4 SWIVEL RUN TEE |
| 8 | 610035 | 4 | ORING #8 TO 3/8" PIPE 90 DEG |
| 9 | 610036 | 4 | PLUG 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

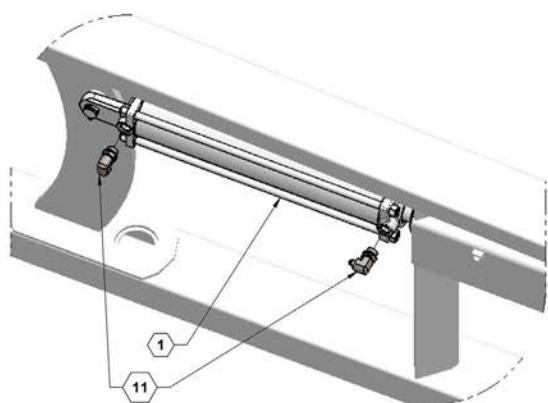
9613TF-80 FITTING I.D. & LOCATION CONTINUED



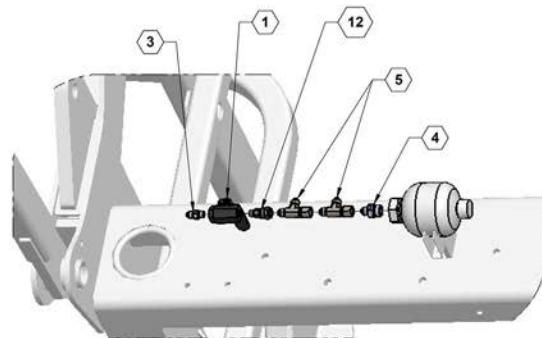
TILT CYLINDERS



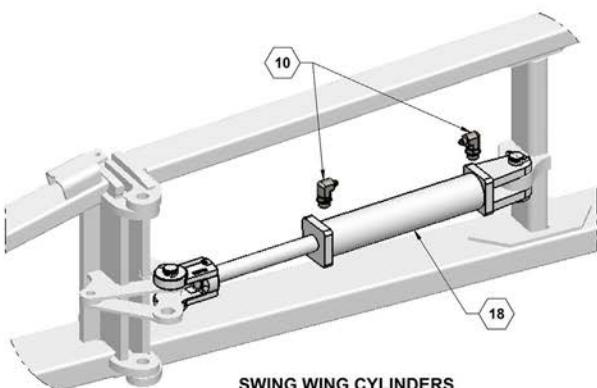
FOLD CYLINDERS



FLIP WING CYLINDERS



ACCUMULATOR



SWING WING CYLINDERS



ILLUSTRATED PARTS LIST

9613TF-80 Hydraulic Fitting Locations Parts List

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

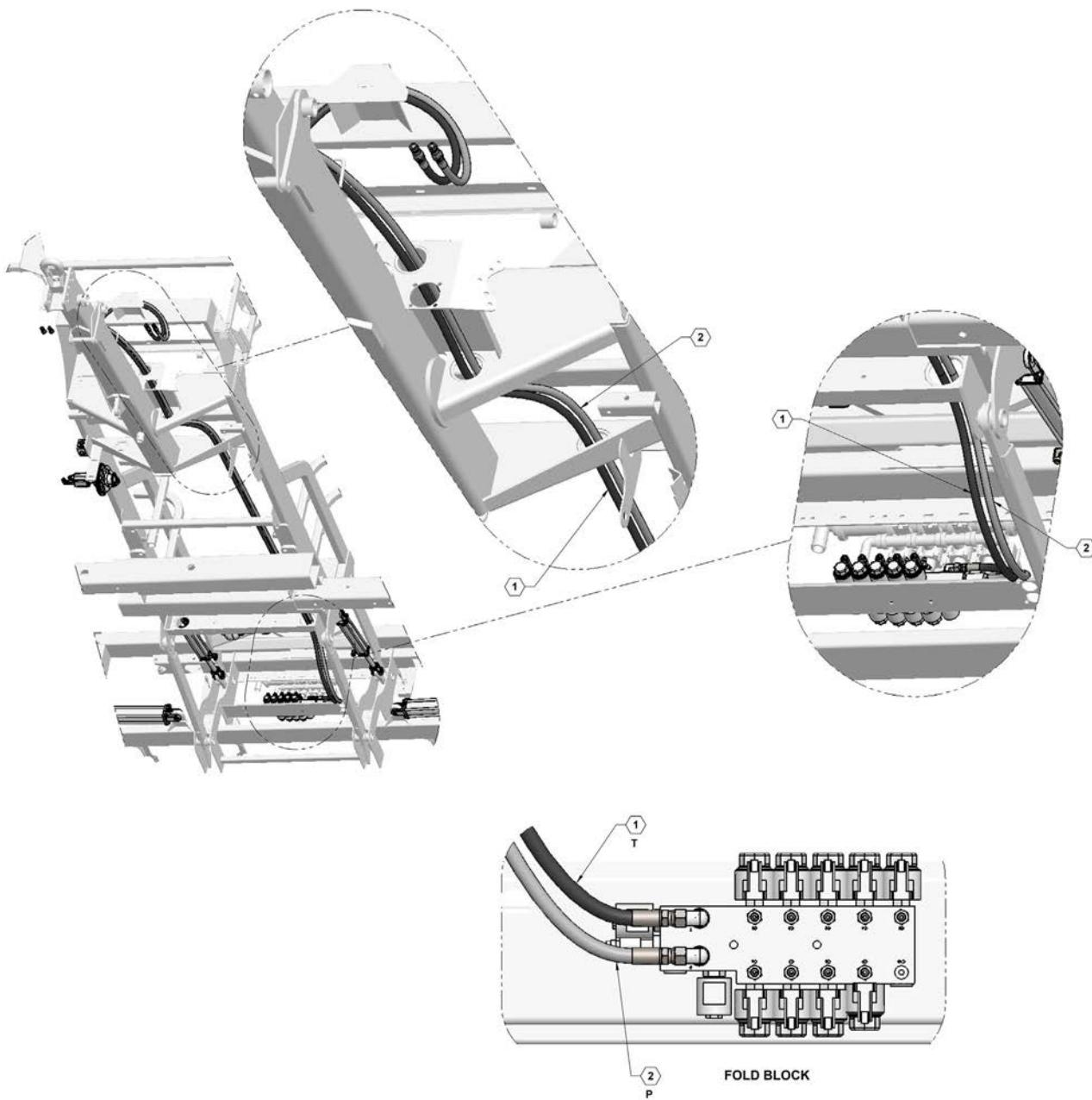


ILLUSTRATED PARTS LIST

Fold Block Hydraulic Hose Routing

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

FOLD BLOCK HYDRAULIC HOSE ROUTING





ILLUSTRATED PARTS LIST

Fold Block Hydraulic Hose Routing Parts List

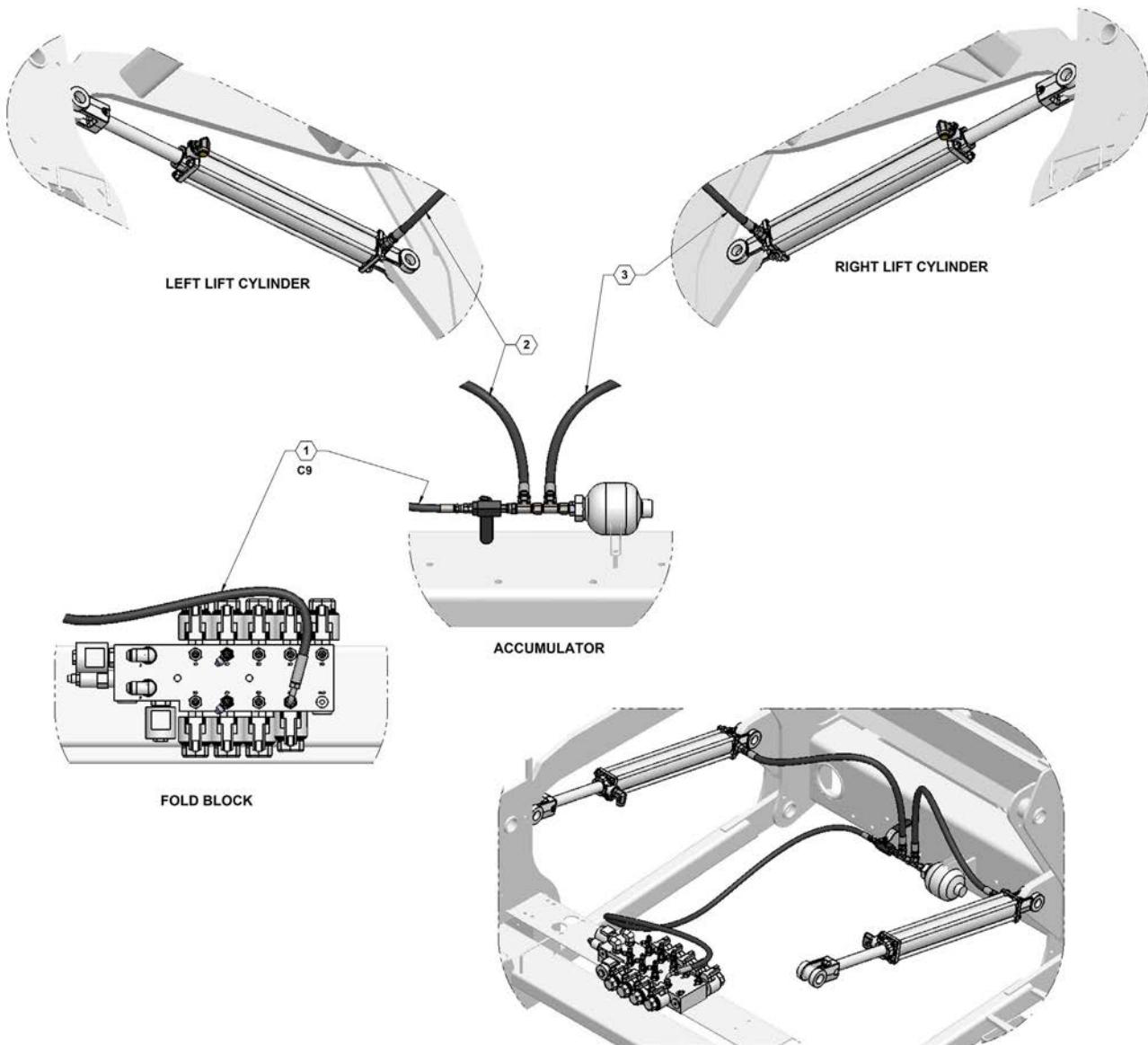
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-------------|------|----------------------------------|
| 1 | 600040-1-ZN | 1 | HYDRAULIC HOSE, 08-8MOR-8FJX-302 |
| 2 | 600040-3-ZN | 1 | HYDRAULIC HOSE, 08-8MOR-8FJX-304 |

Main Lift Hydraulic Hose Routing

MAIN LIFT PRESSURE = BLACK HOSE

MAIN LIFT RETURN = GRAY HOSE

MAIN LIFT HYDRAULIC HOSE ROUTING





ILLUSTRATED PARTS LIST

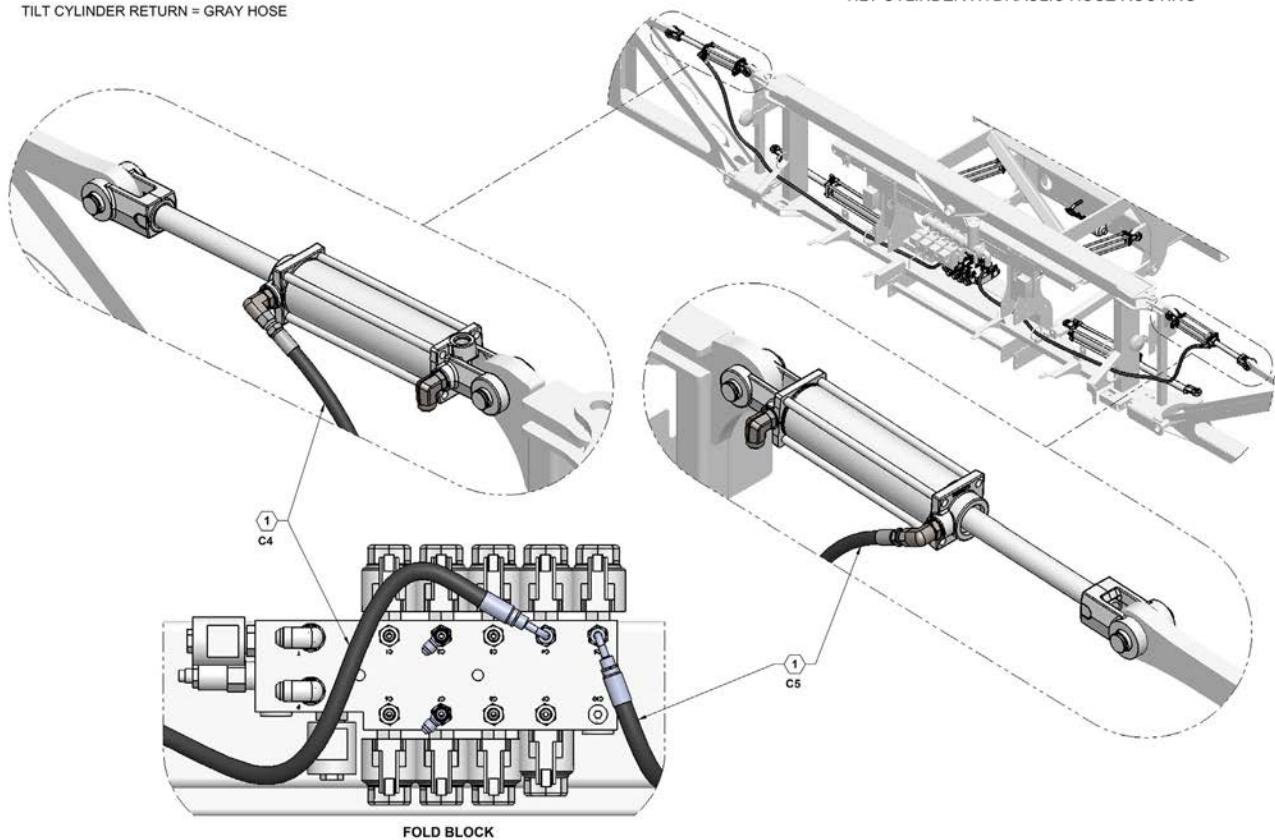
Main Lift Hydraulic Hose Routing Parts List

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

Tilt Cylinder Hydraulic Hose Routing

TILT CYLINDER PRESSURE = BLACK HOSE
TILT CYLINDER RETURN = GRAY HOSE

TILT CYLINDER HYDRAULIC HOSE ROUTING





ILLUSTRATED PARTS LIST

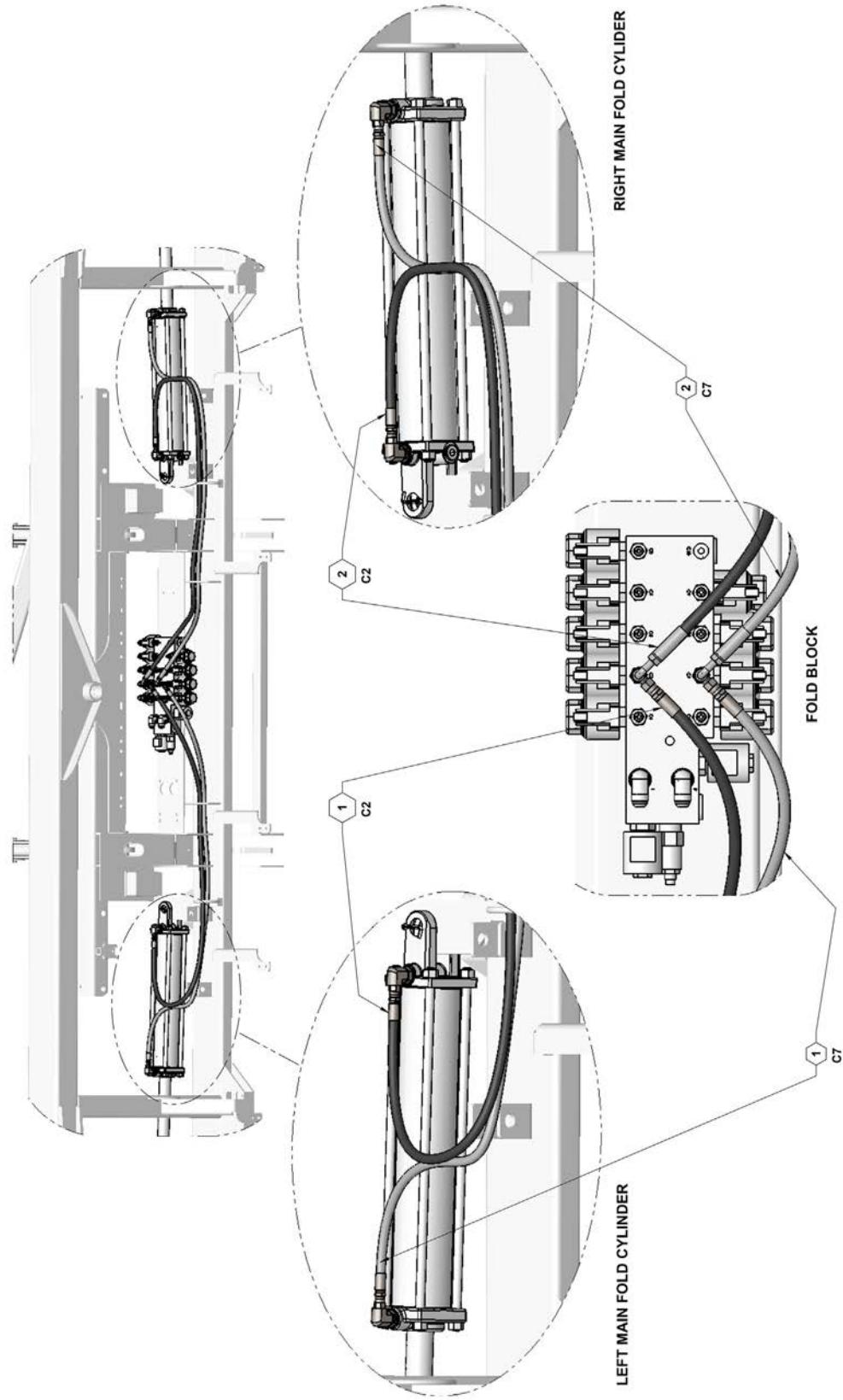
Tilt Cylinder Hydraulic Hose Routing Parts List

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

Main Hydraulic Hose Routing

MAIN FOLD HYDRAULIC HOSE ROUTING

MAIN FOLD PRESSURE = BLACK HOSE
MAIN FOLD RETURN = GRAY HOSE





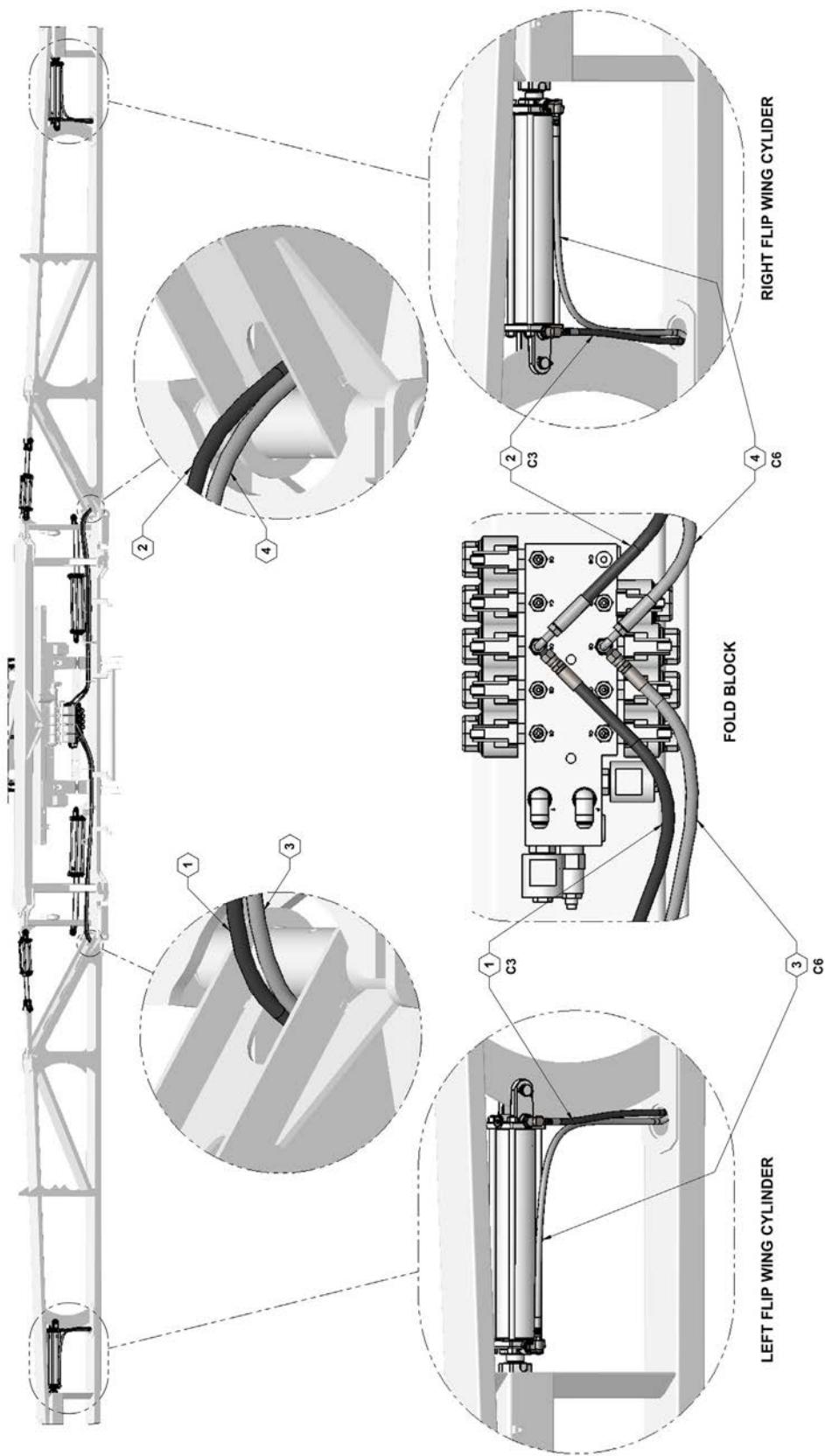
ILLUSTRATED PARTS LIST

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 HOSE ROUTING
FLIP WING PRESSURE = BLACK HOSE
FLIP WING RETURN = GRAY HOSE





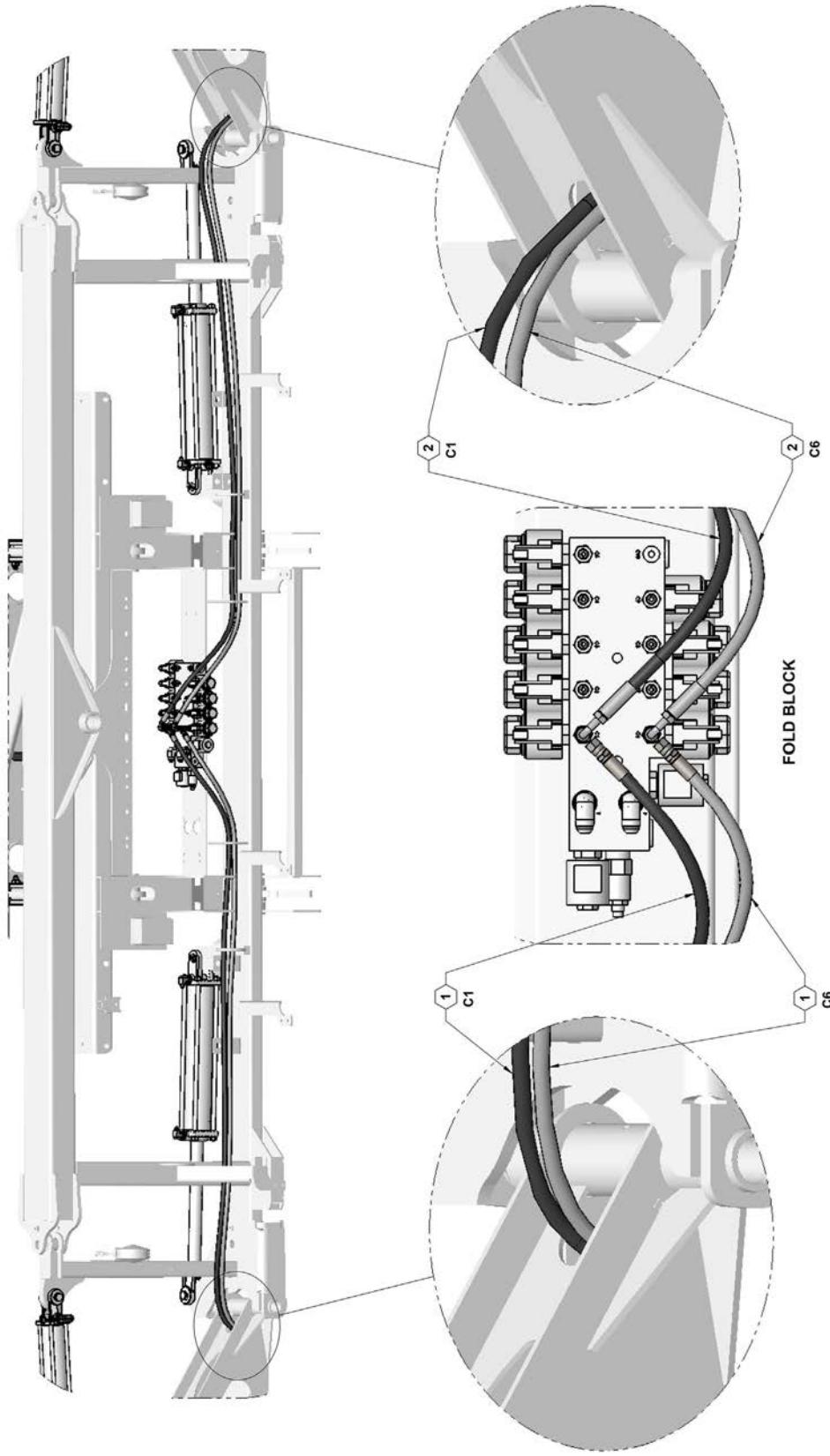
ILLUSTRATED PARTS LIST

Flip Wing Hydraulic Parts List

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

Breakaway Wing Hydraulic Hose Routing

BREAKAWAY WING HYDRAULIC HOSE ROUTING

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



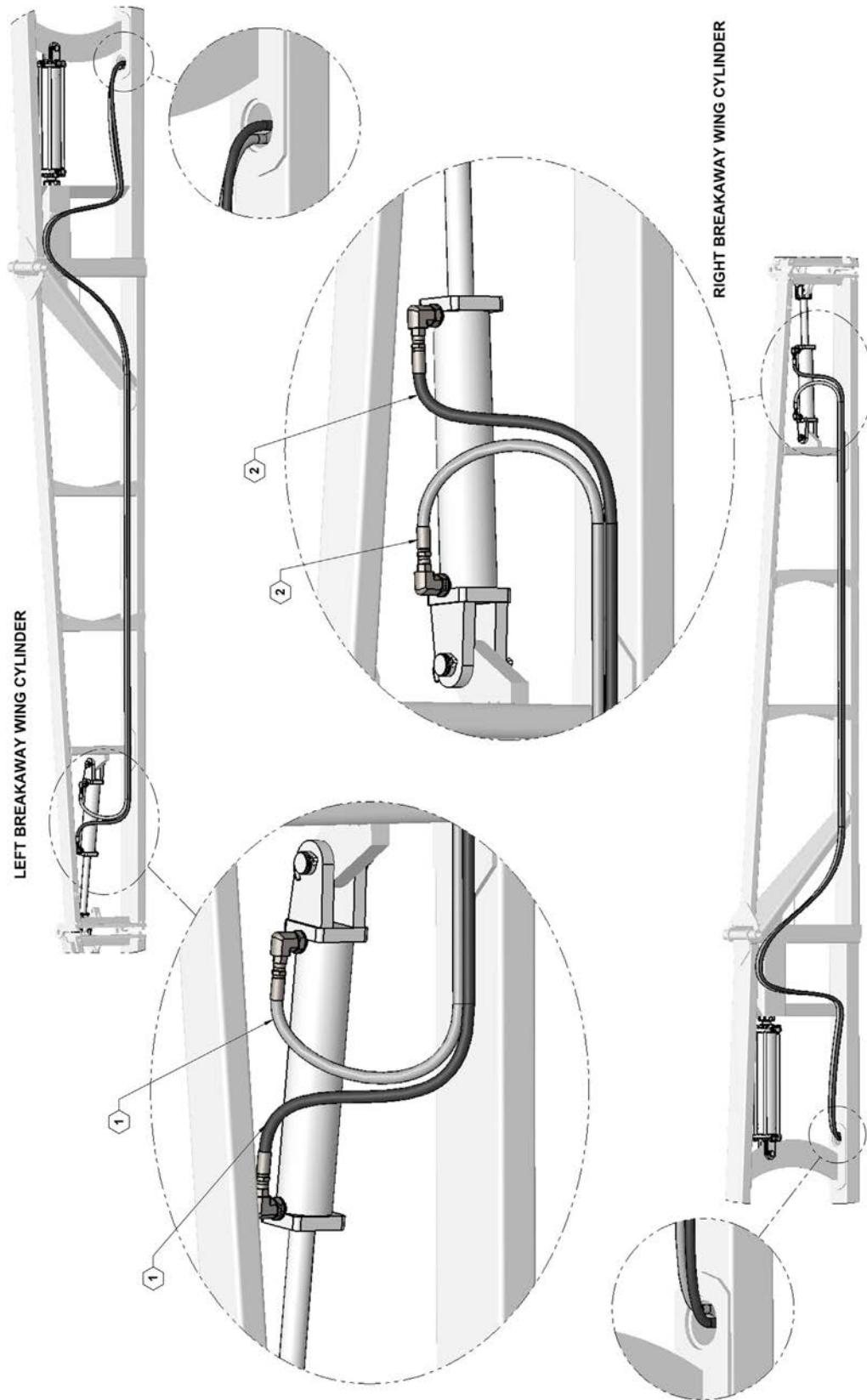
ILLUSTRATED PARTS LIST

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 CONTINUED

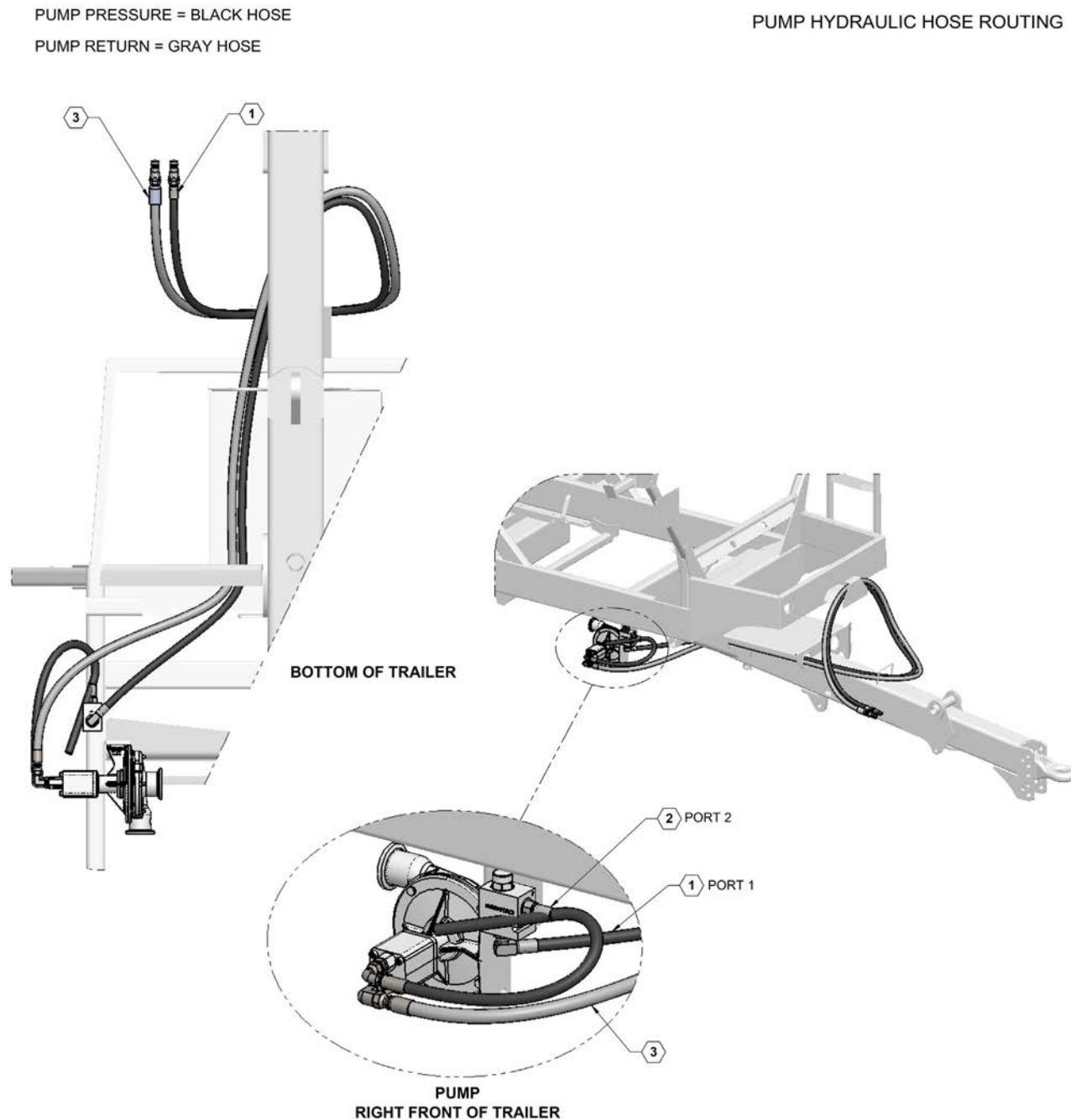
BREAKAWAY WING PRESSURE = BLACK HOSE
BREAKAWAY WING RETURN = GRAY HOSE



ILLUSTRATED PARTS LIST

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



ILLUSTRATED PARTS LIST

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 |



ILLUSTRATED PARTS LIST

Raven 450 Controller Kit With Skytrak, Up To 6 Sections

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

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

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



ILLUSTRATED PARTS LIST

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

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

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

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



ILLUSTRATED PARTS LIST

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 |



ILLUSTRATED PARTS LIST

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

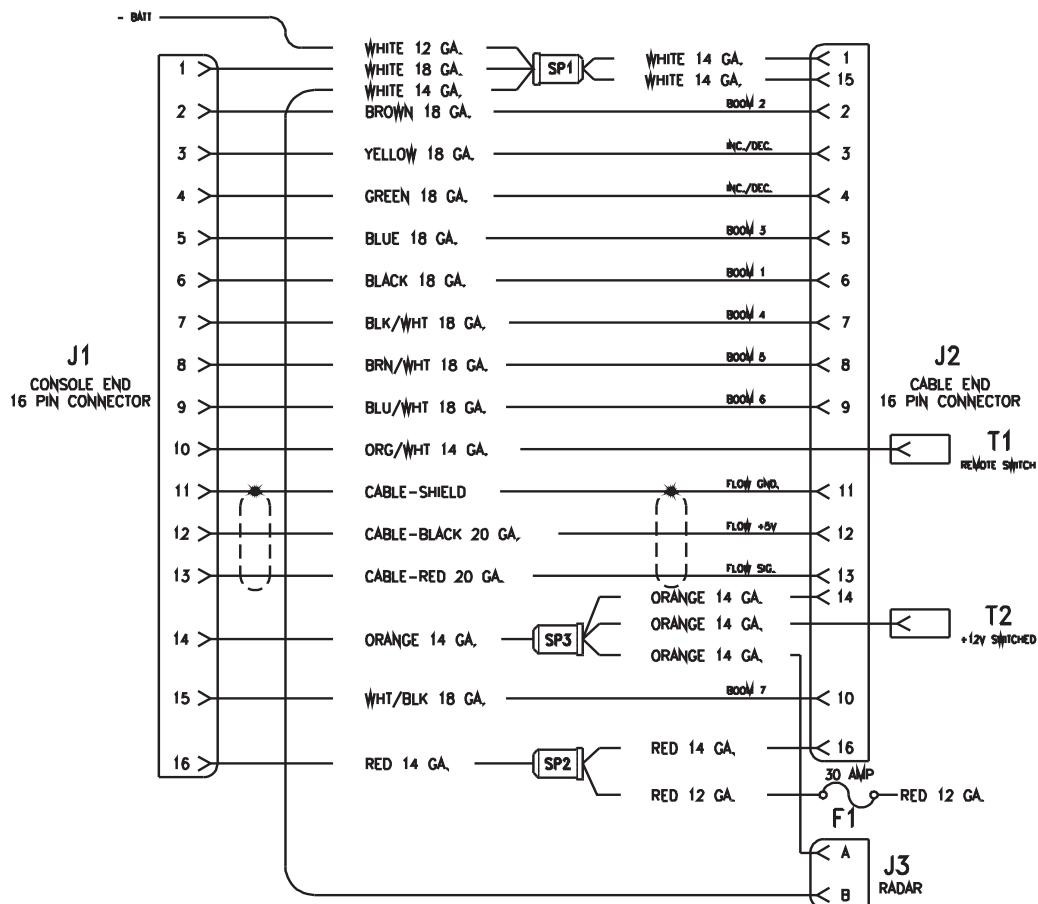
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| | 11145BLK | 1 | SWITCH BRACKET |
| | 500027 | 0.25 | VALVE 450BEC MANIFOLD (NARROW) (NON-FLOWBACK) |
| | 500028 | 0.25 | VALVE 450BEC MANIFOLD (WIDE) (NON-FLOWBACK) |
| | 500029 | 0.25 | VALVE 450BEC MANIFOLD (WIDE) (FLOWBACK) |
| | 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 |



ILLUSTRATED PARTS LIST

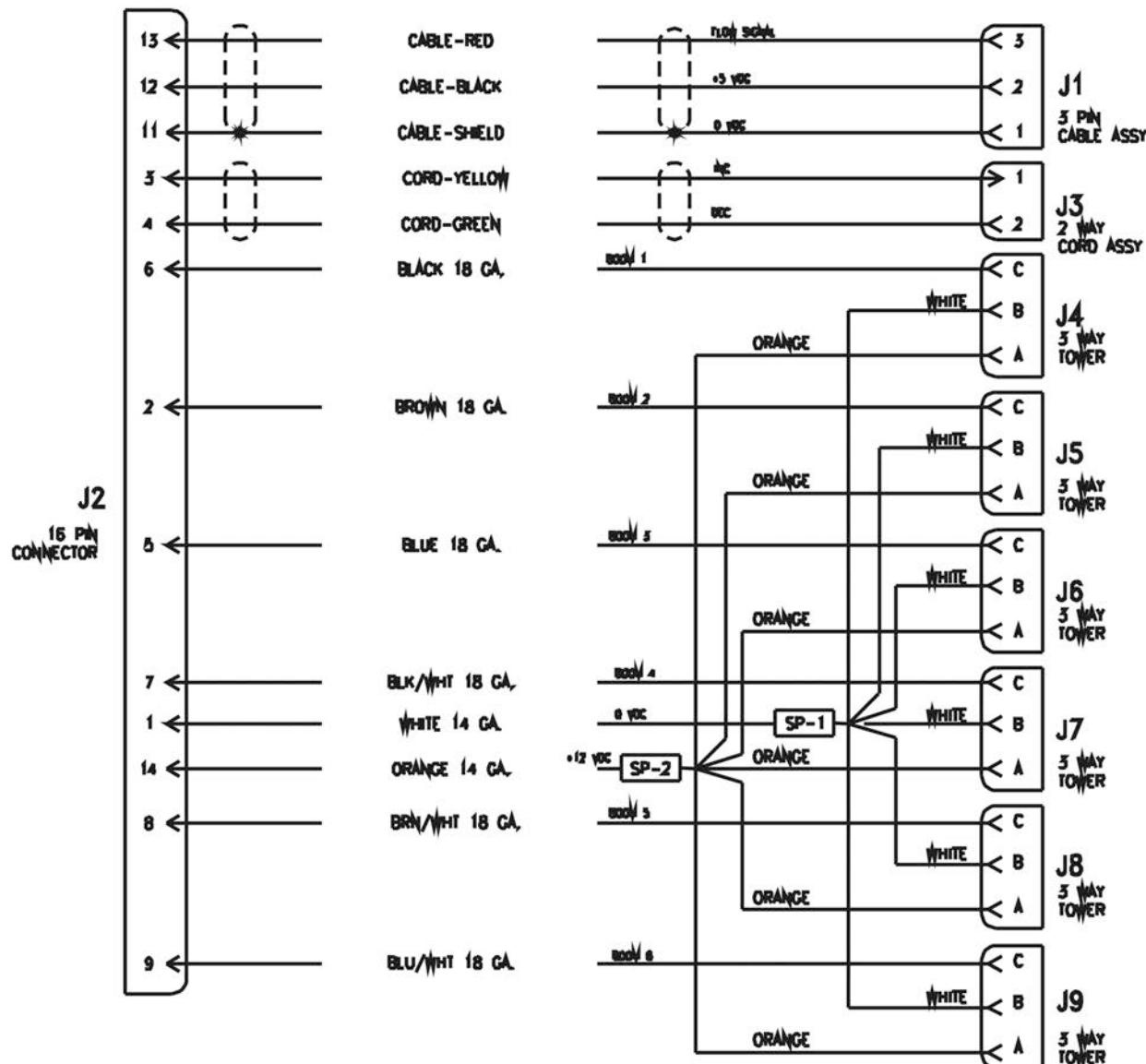
Control Console Wiring Harness

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



Control Console Wiring Harness

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





ILLUSTRATED PARTS LIST

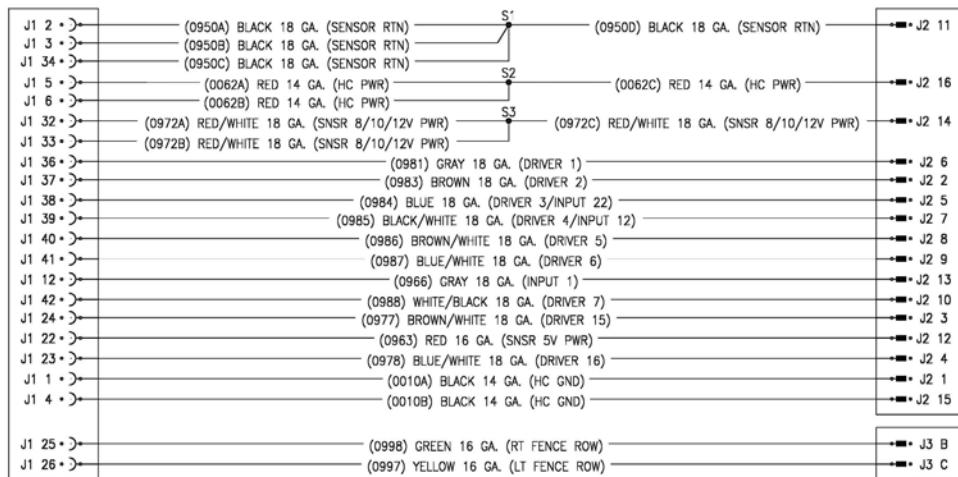
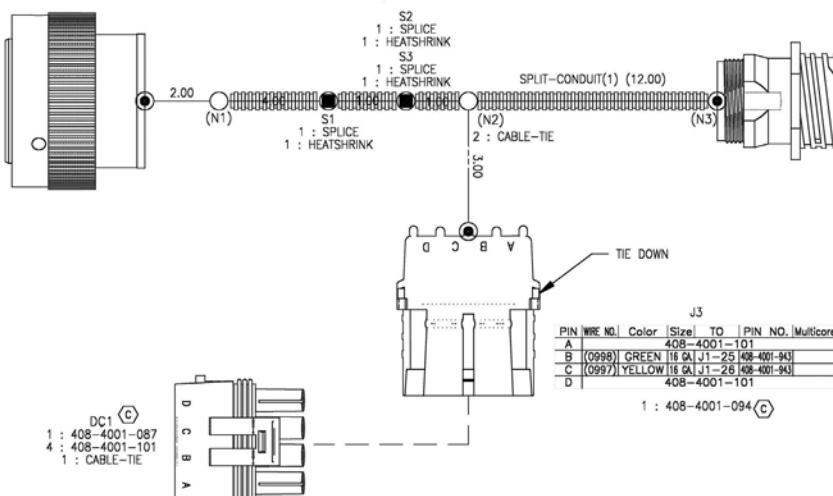
Adapter Cable, 16 Pin Console To 47 Pin Product Port (632028)

| PIN | WIRE NO. | Color | Size | TO | PIN NO. | Multicore |
|-----|----------|-------------|--------|--------------|--------------|-----------|
| 1 | (0010A) | BLACK | 14 GA. | J2-1 | 408-4001-318 | |
| 2 | (0950A) | BLACK | 18 GA. | S1-3 | 408-4001-623 | |
| 3 | (0950B) | BLACK | 18 GA. | S1-2 | 408-4001-623 | |
| 4 | (0010B) | BLACK | 14 GA. | J2-15 | 408-4001-318 | |
| 5 | (0082A) | RED | 14 GA. | S2-3 | 408-4001-318 | |
| 6 | (0082B) | RED | 14 GA. | S2-2 | 408-4001-318 | |
| 7 | | | | 408-4001-882 | | |
| 8 | | | | 408-4001-882 | | |
| 9 | | | | 408-4001-882 | | |
| 10 | | | | 408-4001-882 | | |
| 11 | | | | 408-4001-882 | | |
| 12 | (0966) | GRAY | 18 GA. | J2-13 | 408-4001-623 | |
| 13 | | | | 408-4001-882 | | |
| 14 | | | | 408-4001-882 | | |
| 15 | | | | 408-4001-882 | | |
| 16 | | | | 408-4001-882 | | |
| 17 | | | | 408-4001-882 | | |
| 18 | | | | 408-4001-882 | | |
| 19 | | | | 408-4001-882 | | |
| 20 | | | | 408-4001-882 | | |
| 21 | | | | 408-4001-882 | | |
| 22 | (0963) | RED | 18 GA. | J2-12 | 408-4001-623 | |
| 23 | (0978) | BLUE/WHITE | 18 GA. | J2-4 | 408-4001-623 | |
| 24 | (0977) | BROWN/WHITE | 18 GA. | J2-2 | 408-4001-623 | |
| 25 | (0988) | GREEN | 18 GA. | J3-B | 408-4001-623 | |
| 26 | (0997) | YELLOW | 18 GA. | J3-C | 408-4001-623 | |
| 27 | | | | 408-4001-882 | | |
| 28 | | | | 408-4001-882 | | |
| 29 | | | | 408-4001-882 | | |
| 30 | | | | 408-4001-882 | | |
| 31 | | | | 408-4001-882 | | |
| 32 | (0972A) | RED/WHITE | 18 GA. | J2-2 | 408-4001-623 | |
| 33 | (0972B) | RED/WHITE | 18 GA. | S3-2 | 408-4001-623 | |
| 34 | (0950C) | BLACK | 18 GA. | S1-1 | 408-4001-318 | |
| 35 | | | | 408-4001-882 | | |
| 36 | (0981) | GRAY | 18 GA. | J2-6 | 408-4001-623 | |
| 37 | (0983) | BROWN | 18 GA. | J2-2 | 408-4001-623 | |
| 38 | (0984) | BLUE | 18 GA. | J2-5 | 408-4001-623 | |
| 39 | (0985) | BLACK/WHITE | 18 GA. | J2-7 | 408-4001-623 | |
| 40 | (0986) | BROWN/WHITE | 18 GA. | J2-8 | 408-4001-623 | |
| 41 | (0987) | BLUE/WHITE | 18 GA. | J2-9 | 408-4001-623 | |
| 42 | (0988) | WHITE/BLACK | 18 GA. | J2-10 | 408-4001-623 | |
| 43 | | | | 408-4001-882 | | |
| 44 | | | | 408-4001-882 | | |
| 45 | | | | 408-4001-882 | | |
| 46 | | | | 408-4001-882 | | |
| 47 | | | | 408-4001-882 | | |

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

| PIN | WIRE NO. | Color | Size | TO | PIN NO. | Multicore |
|-----|----------|-------------|--------|--------|--------------|-----------|
| 1 | (0010A) | BLACK | 14 GA. | J1-1 | 408-4001-162 | |
| 2 | (0983) | BROWN | 18 GA. | J1-37 | 408-4001-162 | |
| 3 | (0977) | BROWN/WHITE | 18 GA. | J1-24 | 408-4001-162 | |
| 4 | (0978) | BLUE/WHITE | 18 GA. | J1-23 | 408-4001-162 | |
| 5 | (0984) | BLUE | 18 GA. | J1-38 | 408-4001-162 | |
| 6 | (0985) | GRAY | 18 GA. | J1-39 | 408-4001-162 | |
| 7 | (0985) | BLACK/WHITE | 18 GA. | J1-39 | 408-4001-162 | |
| 8 | (0986) | BROWN/WHITE | 18 GA. | J1-40 | 408-4001-162 | |
| 9 | (0987) | BLUE/WHITE | 18 GA. | J1-41 | 408-4001-162 | |
| 10 | (0988) | WHITE/BLACK | 18 GA. | J1-42 | 408-4001-162 | |
| 11 | (0950D) | BLACK | 18 GA. | J1-4 | 408-4001-162 | |
| 12 | (0963) | RED | 16 GA. | J1-22 | 408-4001-162 | |
| 13 | (0966) | GRAY | 18 GA. | J1-12 | 408-4001-162 | |
| 14 | (0972C) | RED/WHITE | 18 GA. | S3-3 | 408-4001-162 | |
| 15 | (0010B) | BLACK | 14 GA. | J1-4 | 408-4001-162 | |
| 16 | (0062C) | RED | 14 GA. | J1-101 | | |

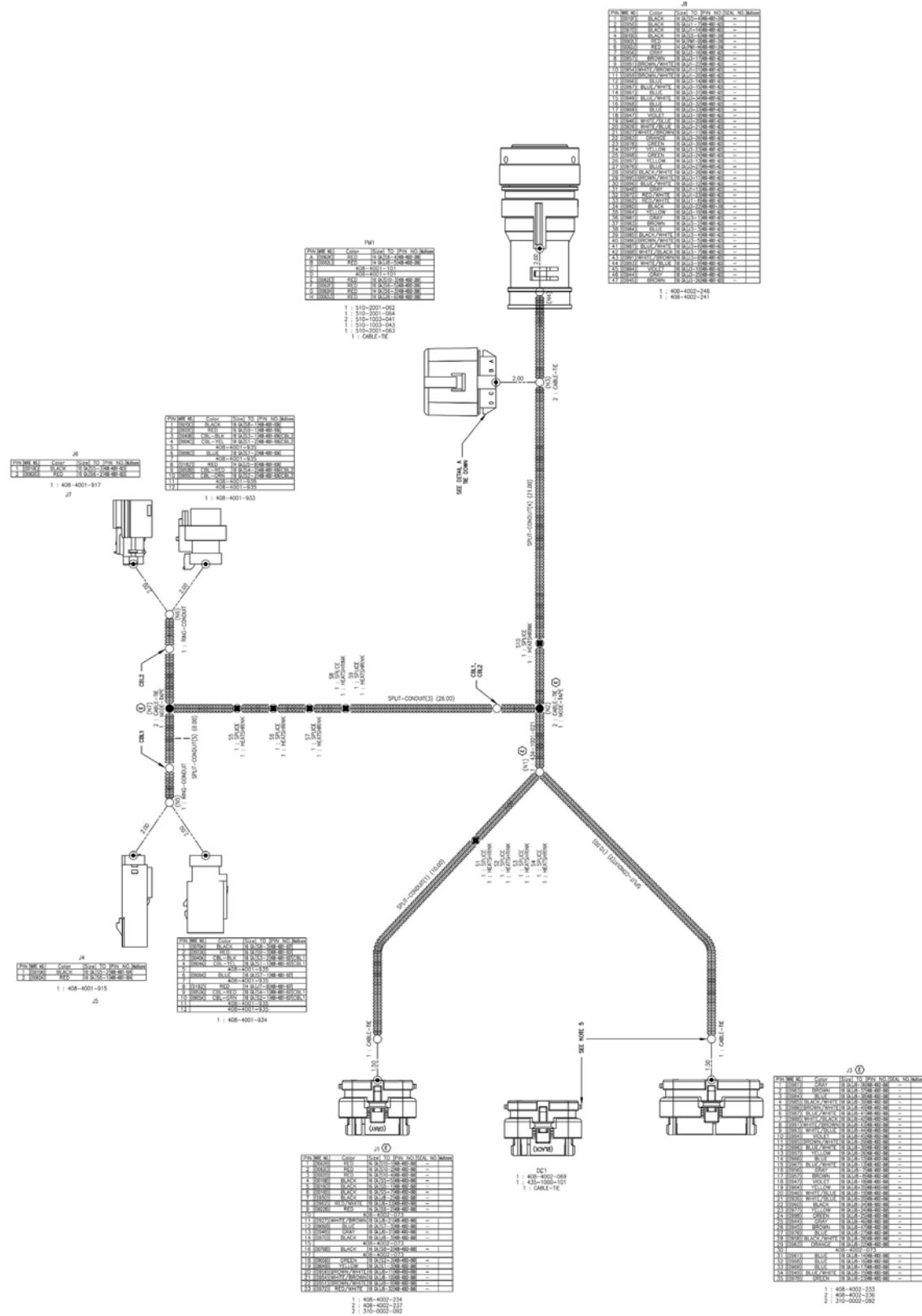
1 : 408-4001-025
1 : 408-4001-024
1 : PERIPHERAL SEAL GREASE
1 : 408-4001-019
1 : ENCAPSULATE-POTTING

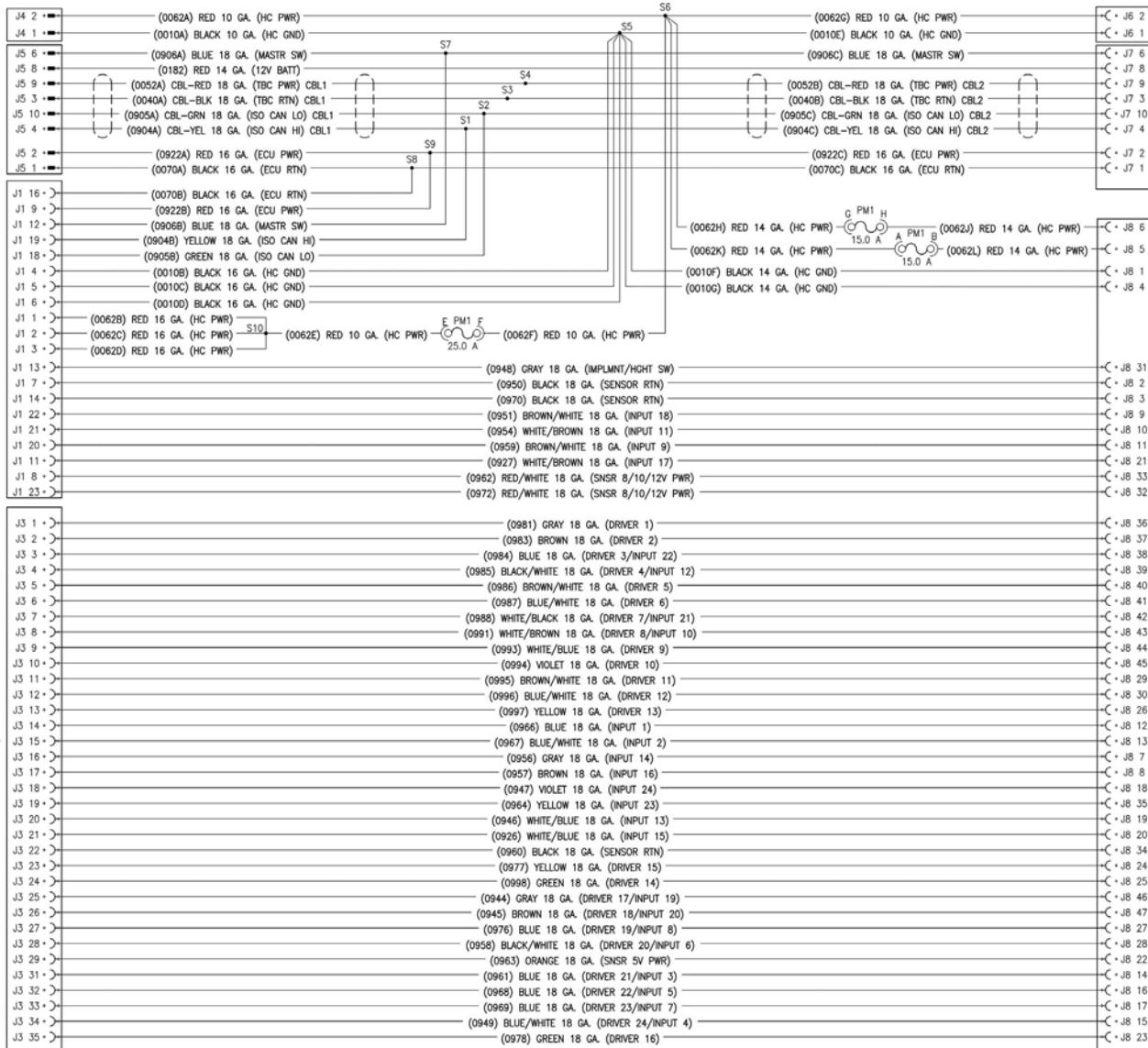




ILLUSTRATED PARTS LIST

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

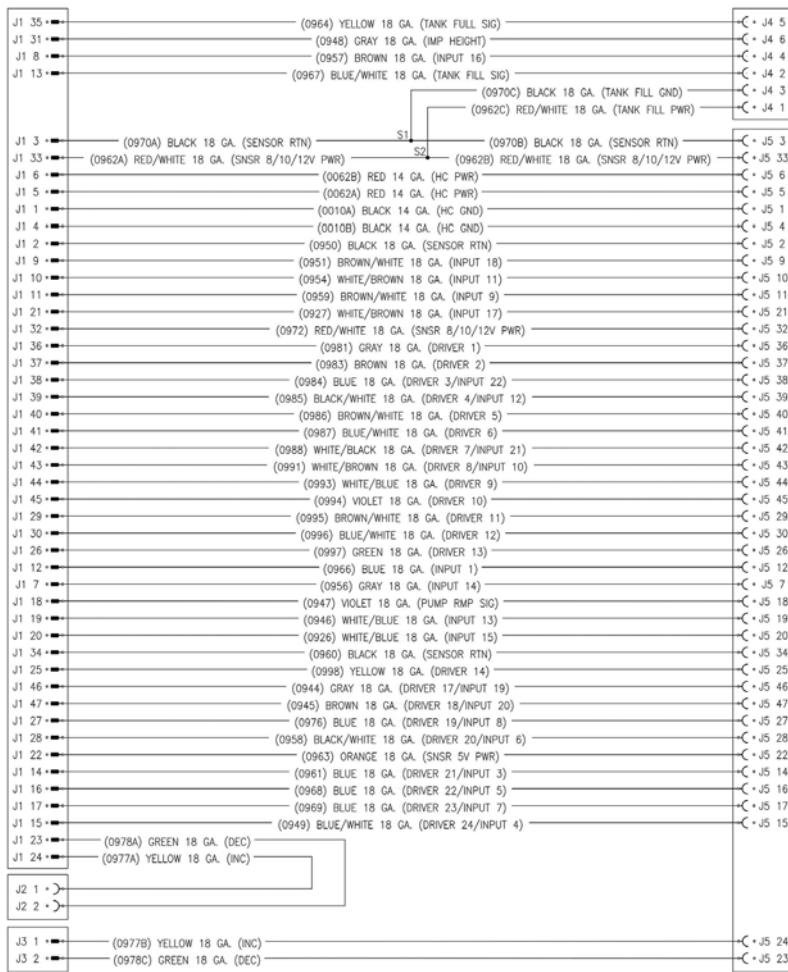
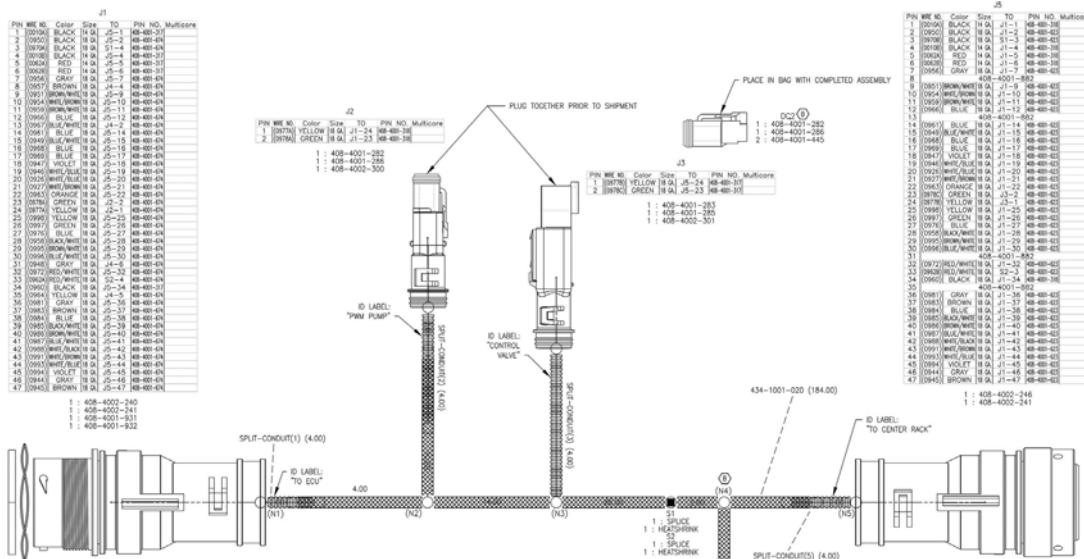


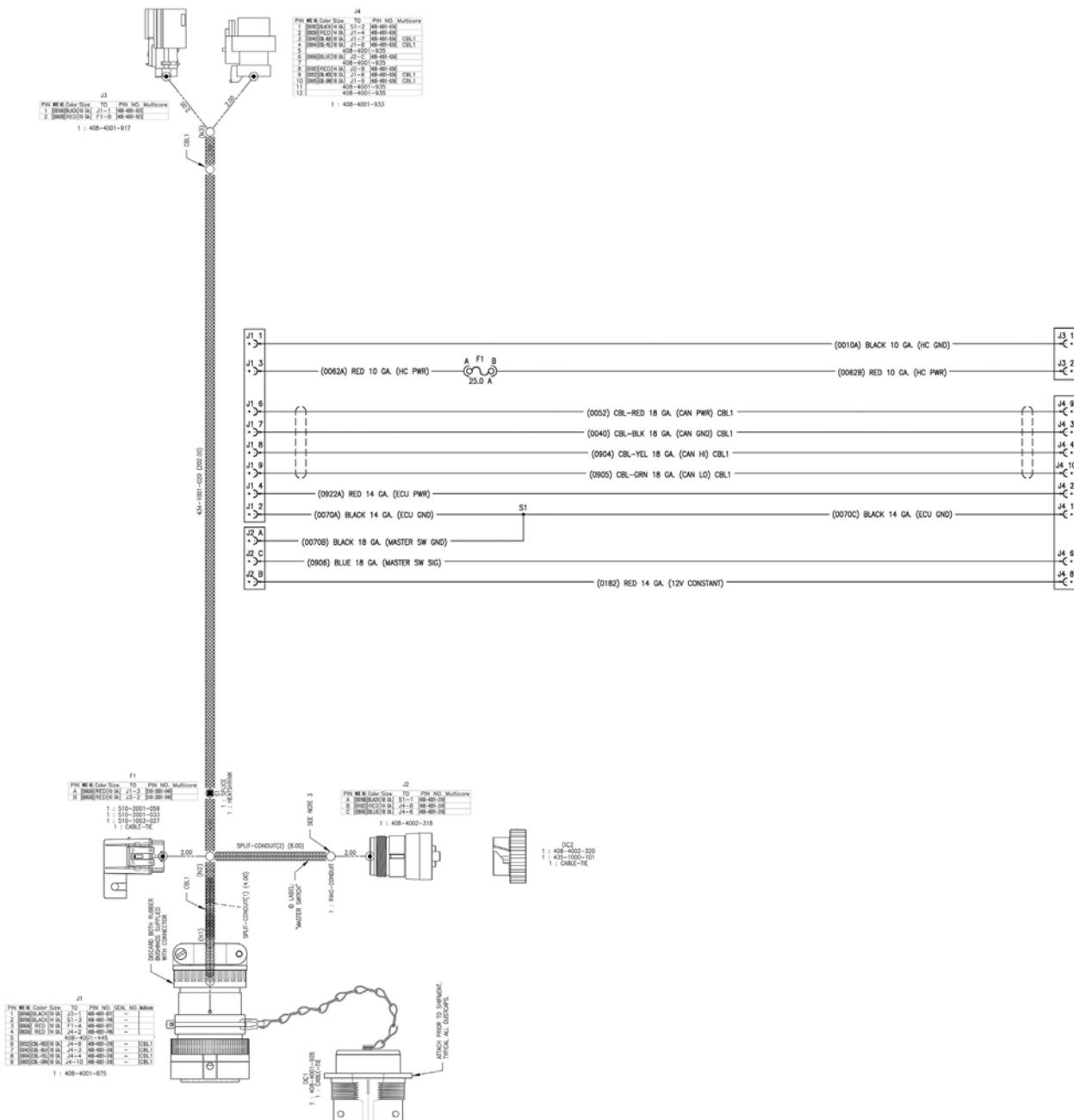
Cable, 81 Pin ECU, 47 Pin Rate Control Interface (632029)


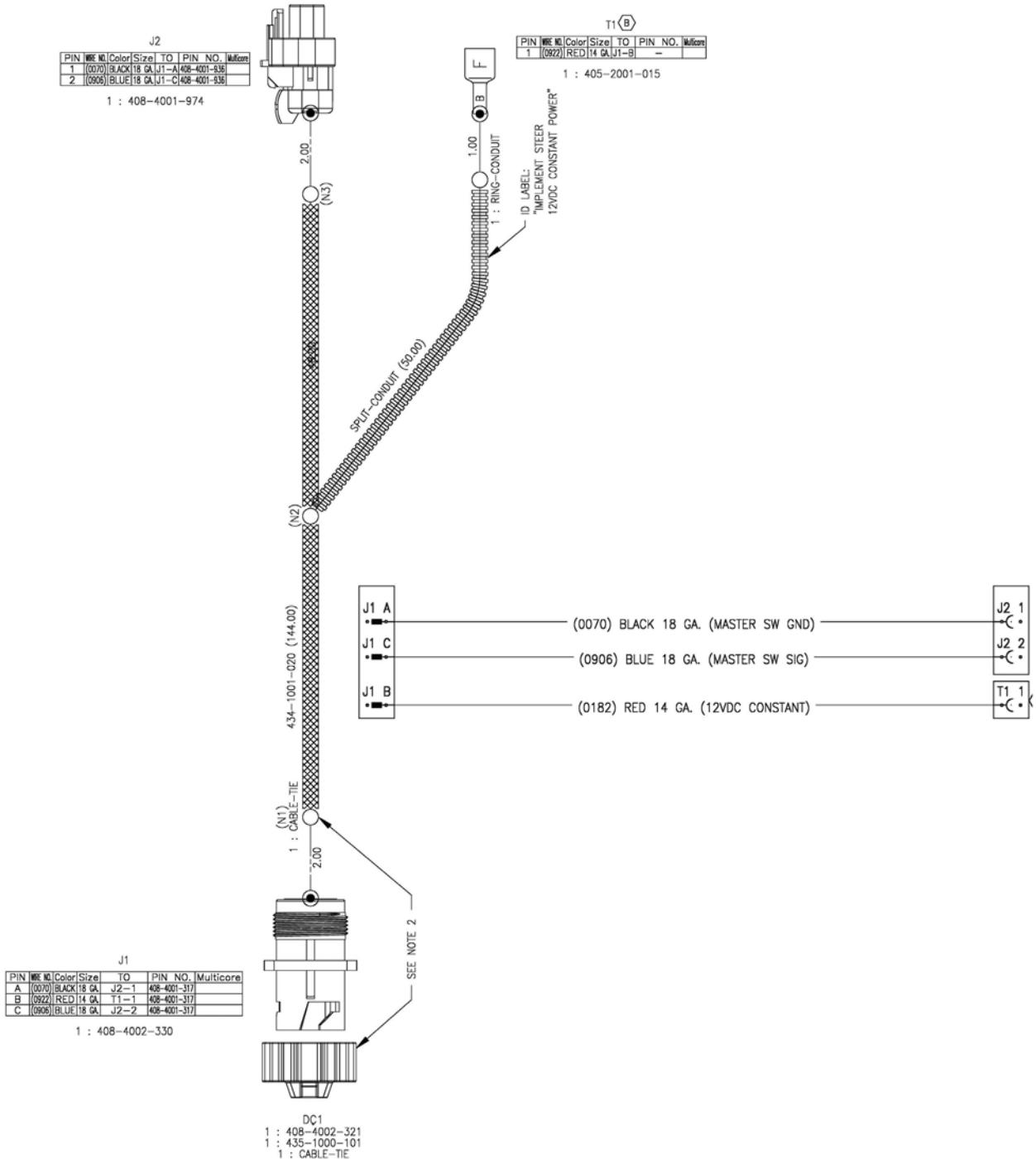


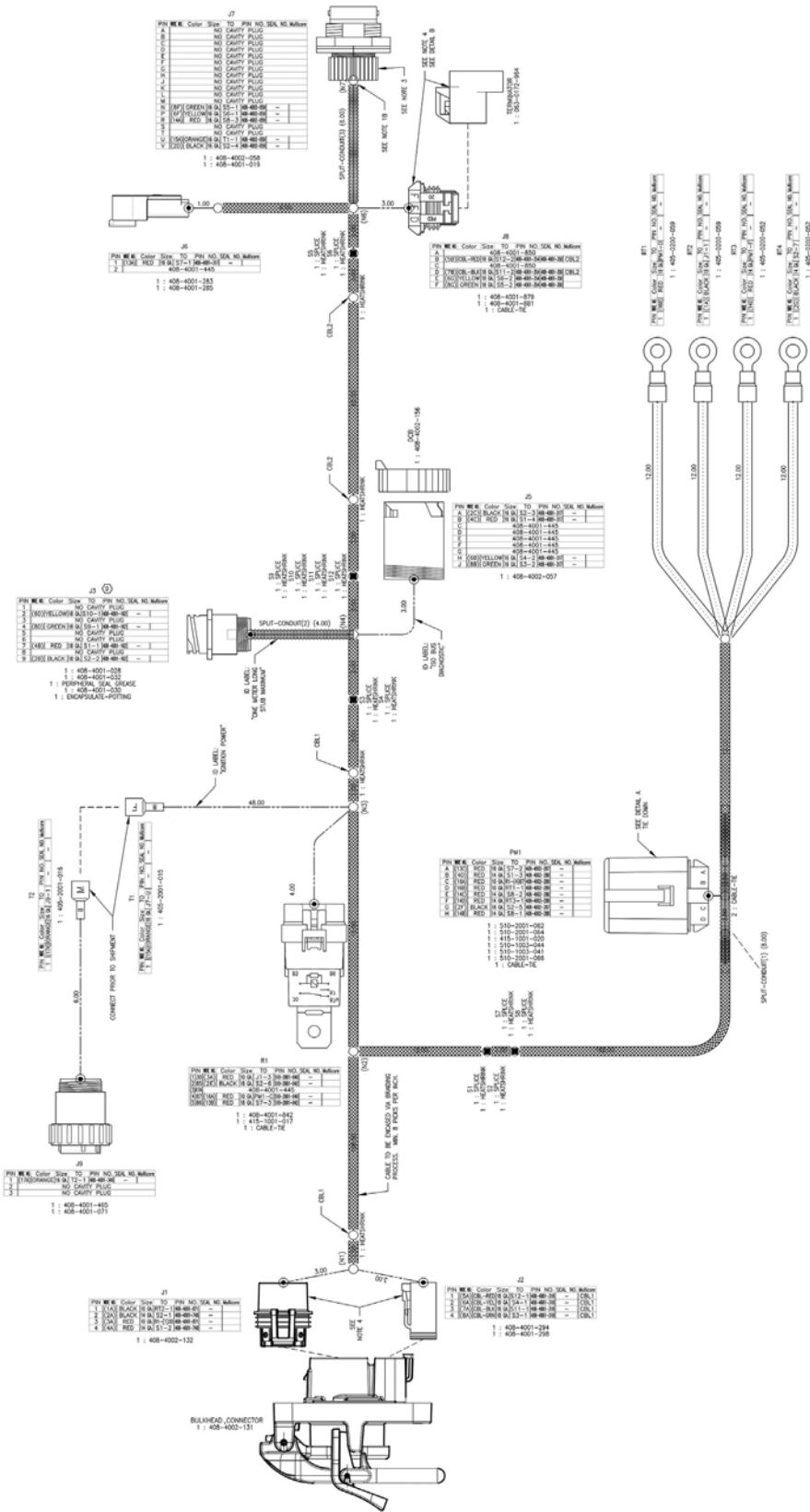
ILLUSTRATED PARTS LIST

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



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

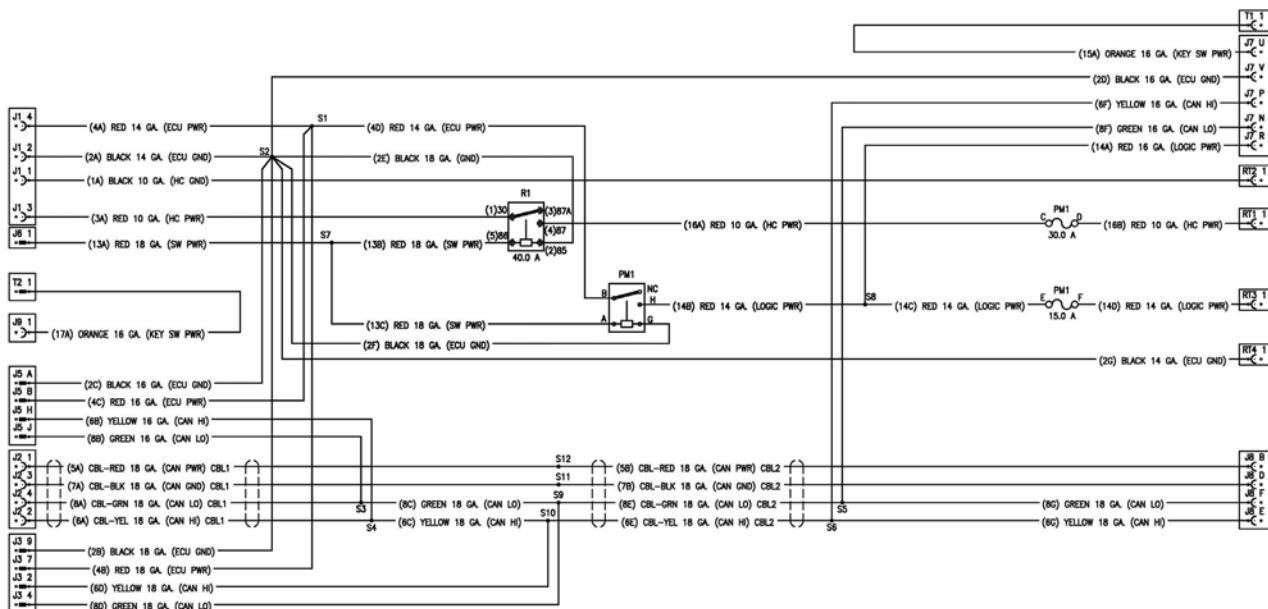
Cable, Foot Switch, 12' (632061)


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



ILLUSTRATED PARTS LIST

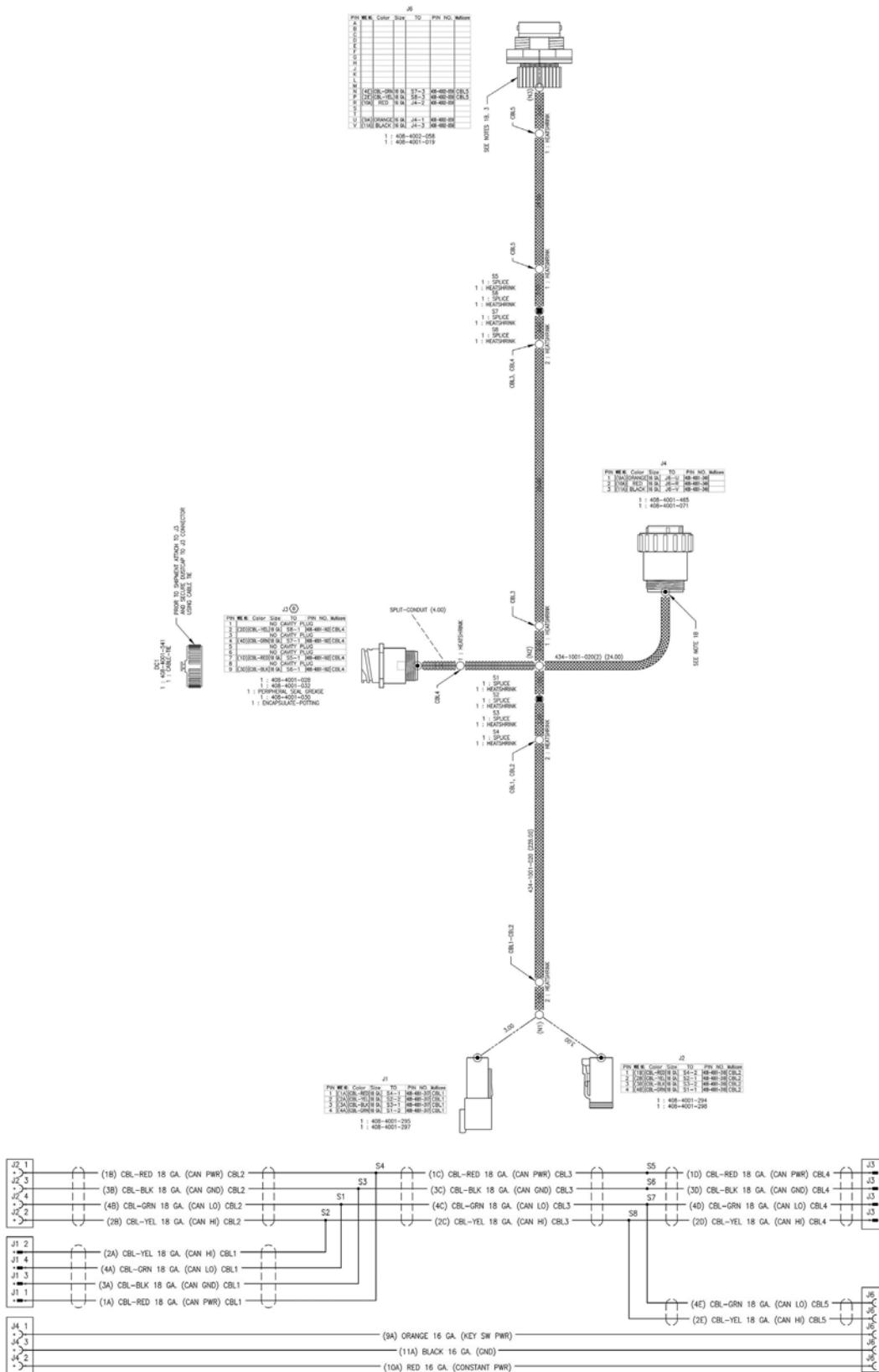
Cable, Raven ISO/Power With IBBC Connector (632064)



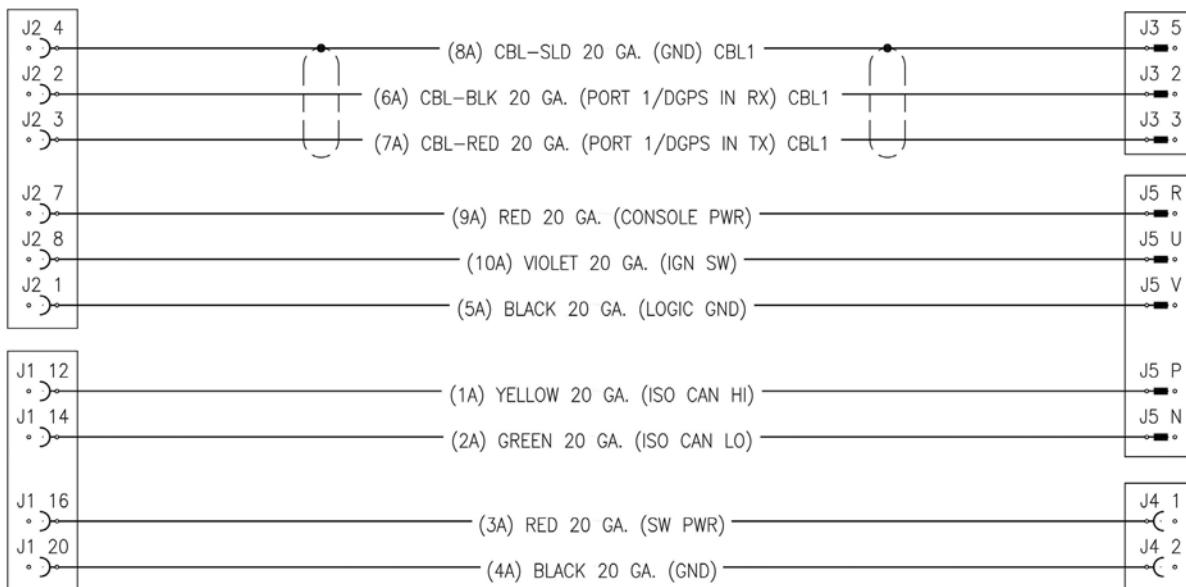
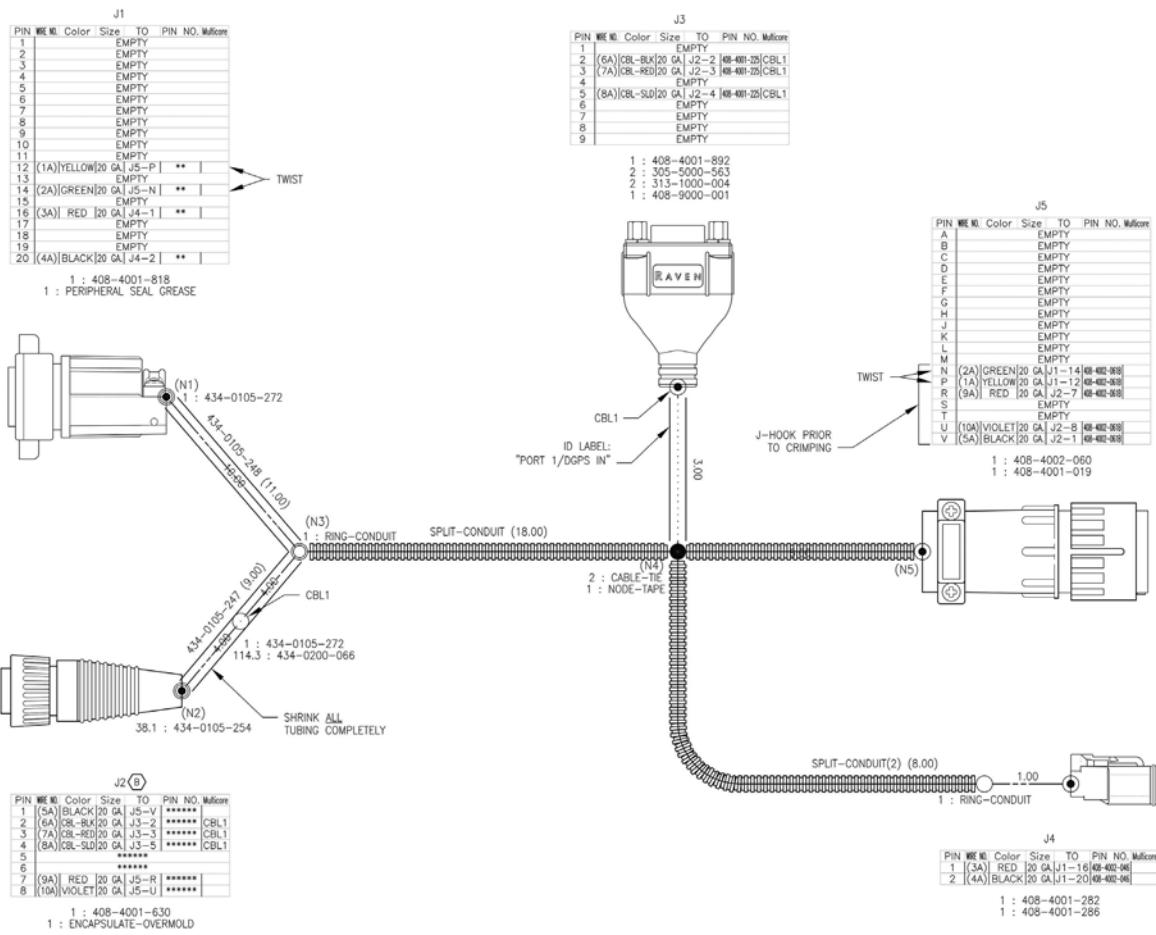


ILLUSTRATED PARTS LIST

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



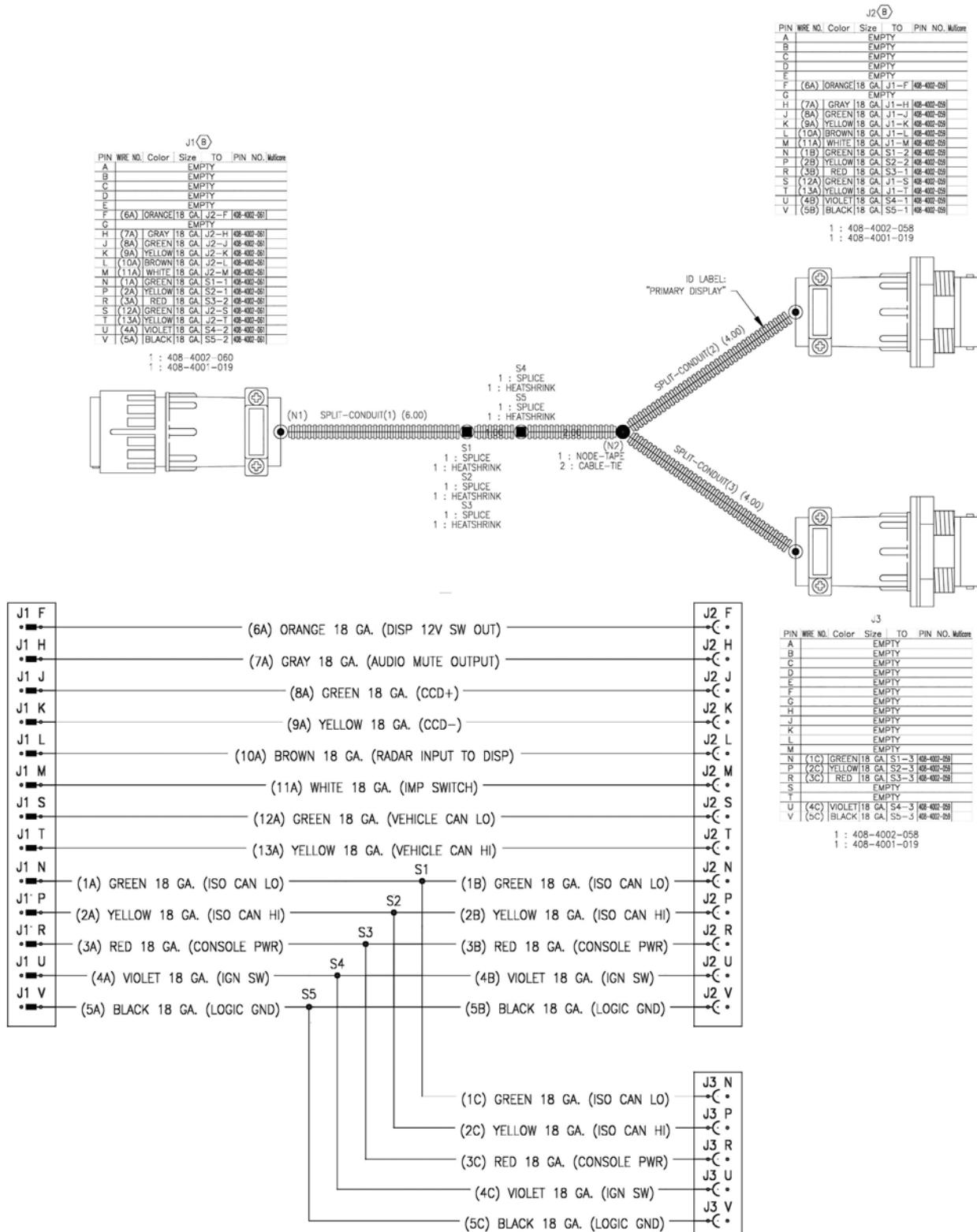
CAN/Power Cable, OEM ISO To Raven ISO Bulkhead (632065)

Cable, CR7, ISO VT Only (632066)




ILLUSTRATED PARTS LIST

Cable, Display Port, Y Adapter (632067)





ILLUSTRATED PARTS LIST

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

J1

| PIN | Wire No. | Color | Size | TO | PIN NO. | Multicore |
|-----|----------|-------------|--------|--------------|--------------|-----------|
| 1 | (0010A) | BLACK | 14 GA. | J2-1 | 408-4001-518 | |
| 2 | (0950A) | BLACK | 18 GA. | S1-2 | 408-4001-631 | |
| 3 | (0951A) | BLACK | 18 GA. | S1-3 | 408-4001-631 | |
| 4 | (0105A) | BLACK | 14 GA. | J2-2 | 408-4001-518 | |
| 5 | (0954A) | RED | 14 GA. | J2-36 | 408-4001-518 | |
| 6 | (0962A) | RED | 14 GA. | J2-37 | 408-4001-518 | |
| 7 | (0956) | BLACK/WHITE | 18 GA. | J2-31 | 408-4001-631 | |
| 8 | (0957) | BLUE/WHITE | 18 GA. | J2-35 | 408-4001-631 | |
| 9 | | | | 408-4001-882 | | |
| 10 | | | | 408-4001-882 | | |
| 11 | | | | 408-4001-882 | | |
| 12 | (0966) | GRAY | 18 GA. | J2-28 | 408-4001-631 | |
| 13 | (0967) | BROWN | 18 GA. | J2-23 | 408-4001-631 | |
| 14 | | | | 408-4001-882 | | |
| 15 | | | | 408-4001-882 | | |
| 16 | | | | 408-4001-882 | | |
| 17 | | | | 408-4001-882 | | |
| 18 | (0947) | BLACK/WHITE | 18 GA. | J2-14 | 408-4001-631 | |
| 19 | (0946) | BLUE | 18 GA. | J2-24 | 408-4001-631 | |
| 20 | | | | 408-4001-882 | | |
| 21 | | | | 408-4001-882 | | |
| 22 | (0963) | RED | 16 GA. | J2-22 | 408-4001-631 | |
| 23 | (0978) | BLUE/WHITE | 18 GA. | J2-15 | 408-4001-631 | |
| 24 | (0977) | BROWN/WHITE | 18 GA. | J2-16 | 408-4001-631 | |
| 25 | | | | 408-4001-882 | | |
| 26 | | | | 408-4001-882 | | |
| 27 | (0976) | WHITE/BLUE | 18 GA. | J2-19 | 408-4001-631 | |
| 28 | (0958) | VIOLET | 18 GA. | J2-20 | 408-4001-631 | |
| 29 | (0995) | GRAY | 18 GA. | J2-26 | 408-4001-631 | |
| 30 | (0996) | BROWN | 18 GA. | J2-27 | 408-4001-631 | |
| 31 | | | | 408-4001-882 | | |
| 32 | (0972) | RED/WHITE | 18 GA. | J2-30 | 408-4001-631 | |
| 33 | (0962) | RED | 18 GA. | J2-34 | 408-4001-631 | |
| 34 | (0980) | BLACK | 18 GA. | J2-21 | 408-4001-318 | |
| 35 | | | | 408-4001-882 | | |
| 36 | (0981) | GRAY | 18 GA. | J2-4 | 408-4001-631 | |
| 37 | (0983) | BROWN | 18 GA. | J2-5 | 408-4001-631 | |
| 38 | (0984) | BLUE | 18 GA. | J2-6 | 408-4001-631 | |
| 39 | (0985) | BLACK/WHITE | 18 GA. | J2-7 | 408-4001-631 | |
| 40 | (0986) | BROWN/WHITE | 18 GA. | J2-8 | 408-4001-631 | |
| 41 | (0987) | BLUE/WHITE | 18 GA. | J2-9 | 408-4001-631 | |
| 42 | (0988) | WHITE/BLACK | 18 GA. | J2-10 | 408-4001-631 | |
| 43 | (0991) | WHITE/BROWN | 18 GA. | J2-11 | 408-4001-631 | |
| 44 | (0993) | WHITE/BLUE | 18 GA. | J2-12 | 408-4001-631 | |
| 45 | (0994) | VIOLET | 18 GA. | J2-13 | 408-4001-631 | |
| 46 | (0944) | WHITE/BLACK | 18 GA. | J2-17 | 408-4001-631 | |
| 47 | (0945) | WHITE/BROWN | 18 GA. | J2-18 | 408-4001-631 | |

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

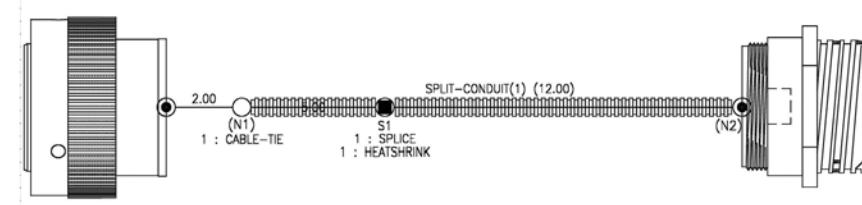
ILLUSTRATED PARTS LIST

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

J2

| PIN | Wire No. | Color | Size | TO | PIN NO. | Multicore |
|-----|----------|-------------|--------|-------|--------------|-----------|
| 1 | (0010A) | BLACK | 14 GA. | J1-1 | 408-4001-161 | |
| 2 | (0010B) | BLACK | 14 GA. | J1-4 | 408-4001-162 | |
| 3 | | | | | | |
| 4 | (0981) | GRAY | 18 GA. | J1-36 | 408-4001-162 | |
| 5 | (0983) | BROWN | 18 GA. | J1-37 | 408-4001-162 | |
| 6 | (0984) | BLUE | 18 GA. | J1-38 | 408-4001-162 | |
| 7 | (0985) | BLACK/WHITE | 18 GA. | J1-39 | 408-4001-162 | |
| 8 | (0986) | BROWN/WHITE | 18 GA. | J1-40 | 408-4001-162 | |
| 9 | (0987) | BLUE/WHITE | 18 GA. | J1-41 | 408-4001-162 | |
| 10 | (0988) | WHITE/BLACK | 18 GA. | J1-42 | 408-4001-162 | |
| 11 | (0989) | WHITE/BROWN | 18 GA. | J1-43 | 408-4001-162 | |
| 12 | (0993) | WHITE/BLUE | 18 GA. | J1-44 | 408-4001-162 | |
| 13 | (0994) | VIOLET | 18 GA. | J1-45 | 408-4001-162 | |
| 14 | (0947) | BLACK/WHITE | 18 GA. | J1-18 | 408-4001-162 | |
| 15 | (0978) | BLUE/WHITE | 18 GA. | J1-23 | 408-4001-162 | |
| 16 | (0977) | BROWN/WHITE | 18 GA. | J1-24 | 408-4001-162 | |
| 17 | (0944) | WHITE/BLACK | 18 GA. | J1-46 | 408-4001-162 | |
| 18 | (0945) | WHITE/BROWN | 18 GA. | J1-47 | 408-4001-162 | |
| 19 | (0976) | WHITE/BLUE | 18 GA. | J1-27 | 408-4001-162 | |
| 20 | (0958) | VIOLET | 18 GA. | J1-28 | 408-4001-162 | |
| 21 | (0982) | BLACK | 18 GA. | J1-29 | 408-4001-162 | |
| 22 | (0963) | RED | 18 GA. | J1-22 | 408-4001-162 | |
| 23 | (0957) | BROWN | 18 GA. | J1-13 | 408-4001-162 | |
| 24 | (0946) | BLUE | 18 GA. | J1-19 | 408-4001-162 | |
| 25 | | | | | | |
| 26 | (0985) | GRAY | 18 GA. | J1-29 | 408-4001-162 | |
| 27 | (0996) | BROWN | 18 GA. | J1-30 | 408-4001-162 | |
| 28 | (0966) | GRAY | 18 GA. | J1-12 | 408-4001-162 | |
| 29 | (0950C) | BLACK | 18 GA. | S1-3 | 408-4001-162 | |
| 30 | (0972) | RED/WHITE | 18 GA. | J1-32 | 408-4001-162 | |
| 31 | (0956) | BLACK/WHITE | 18 GA. | J1-7 | 408-4001-162 | |
| 32 | | | | | | |
| 33 | | | | | | |
| 34 | (0962) | RED | 18 GA. | J1-33 | 408-4001-162 | |
| 35 | (0957) | BLUE/WHITE | 18 GA. | J1-8 | 408-4001-162 | |
| 36 | (0962A) | RED | 14 GA. | J1-5 | 408-4001-162 | |
| 37 | (0052B) | RED | 14 GA. | J1-6 | 408-4001-162 | |

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

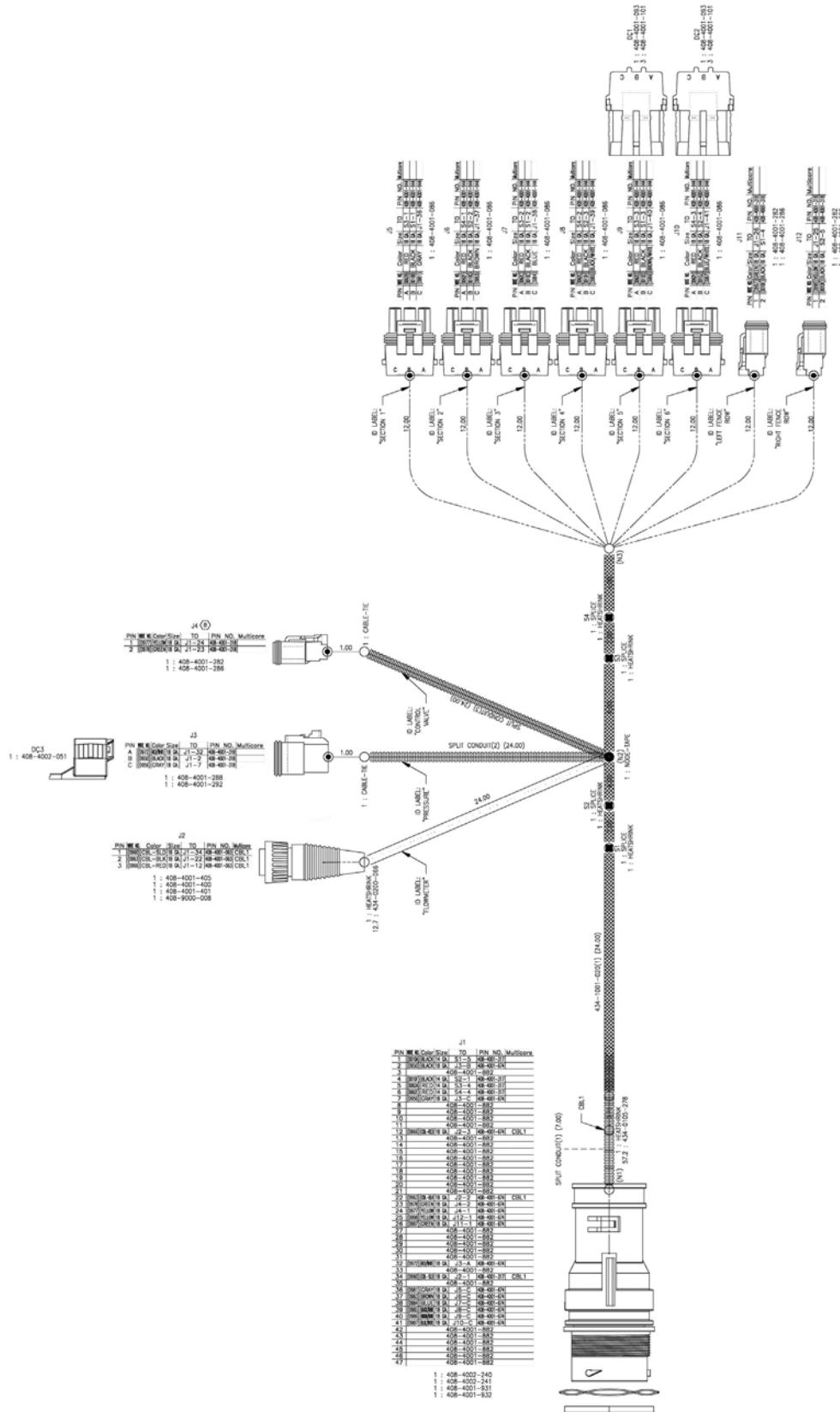


| | | | |
|---------|---------|---|-----------------------------------|
| J1 5 • | (0062A) | RED 14 GA. (HC PWR) | J2 36 |
| J1 6 • | (0062B) | RED 14 GA. (HC PWR) | J2 37 |
| J1 1 • | (0010A) | BLACK 14 GA. (HC GND) | J2 1 |
| J1 4 • | (0010B) | BLACK 14 GA. (HC GND) | J2 2 |
| J1 2 • | (0950A) | BLACK 18 GA. (SENSOR RTN) | S1 |
| J1 3 • | (0950B) | BLACK 18 GA. (SENSOR RTN) | (0950C) BLACK 18 GA. (SENSOR RTN) |
| J1 32 • | (0972) | RED/WHITE 18 GA. (SNSR 8/10/12V 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 • | (0946) | BLUE 18 GA. (INPUT 13) | J2 24 |
| J1 34 • | (0960) | 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 |



ILLUSTRATED PARTS LIST

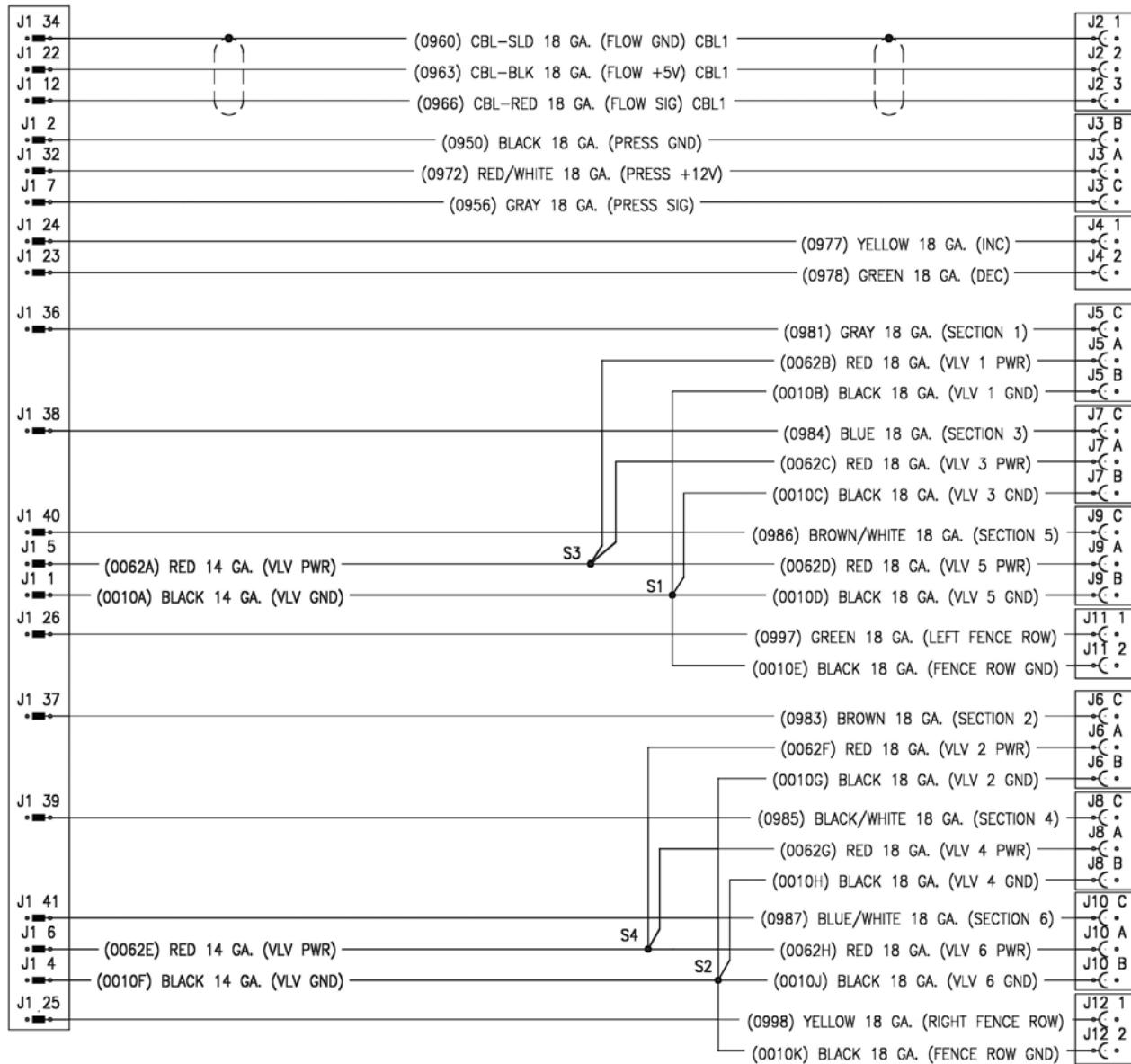
Product Cable, 47 Pin, 6 Section, Liquid, FAST, Center Mount (632077)





ILLUSTRATED PARTS LIST

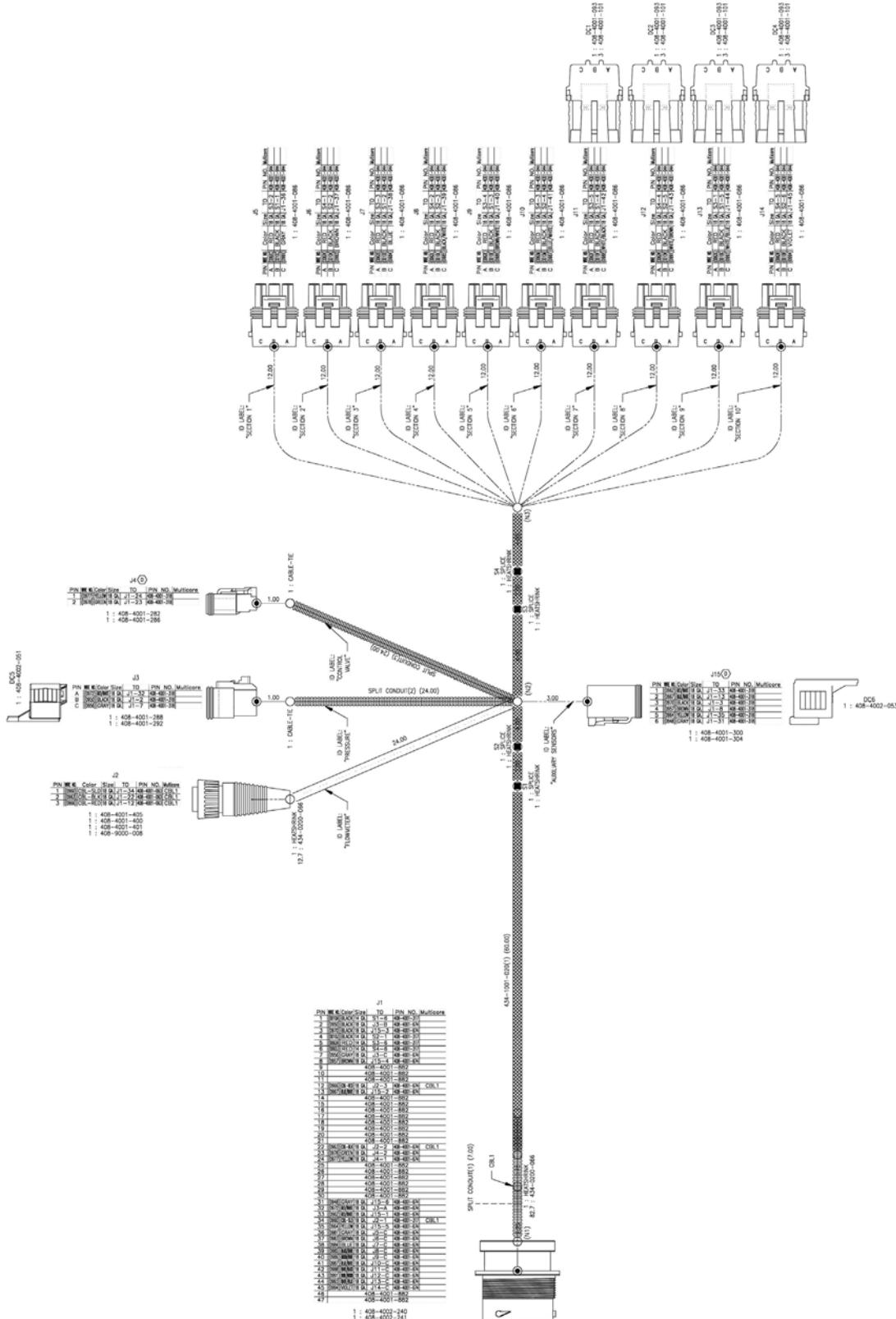
Product Cable, 47 Pin, 6 Section, Liquid, FAST, Center Mount (632077)





ILLUSTRATED PARTS LIST

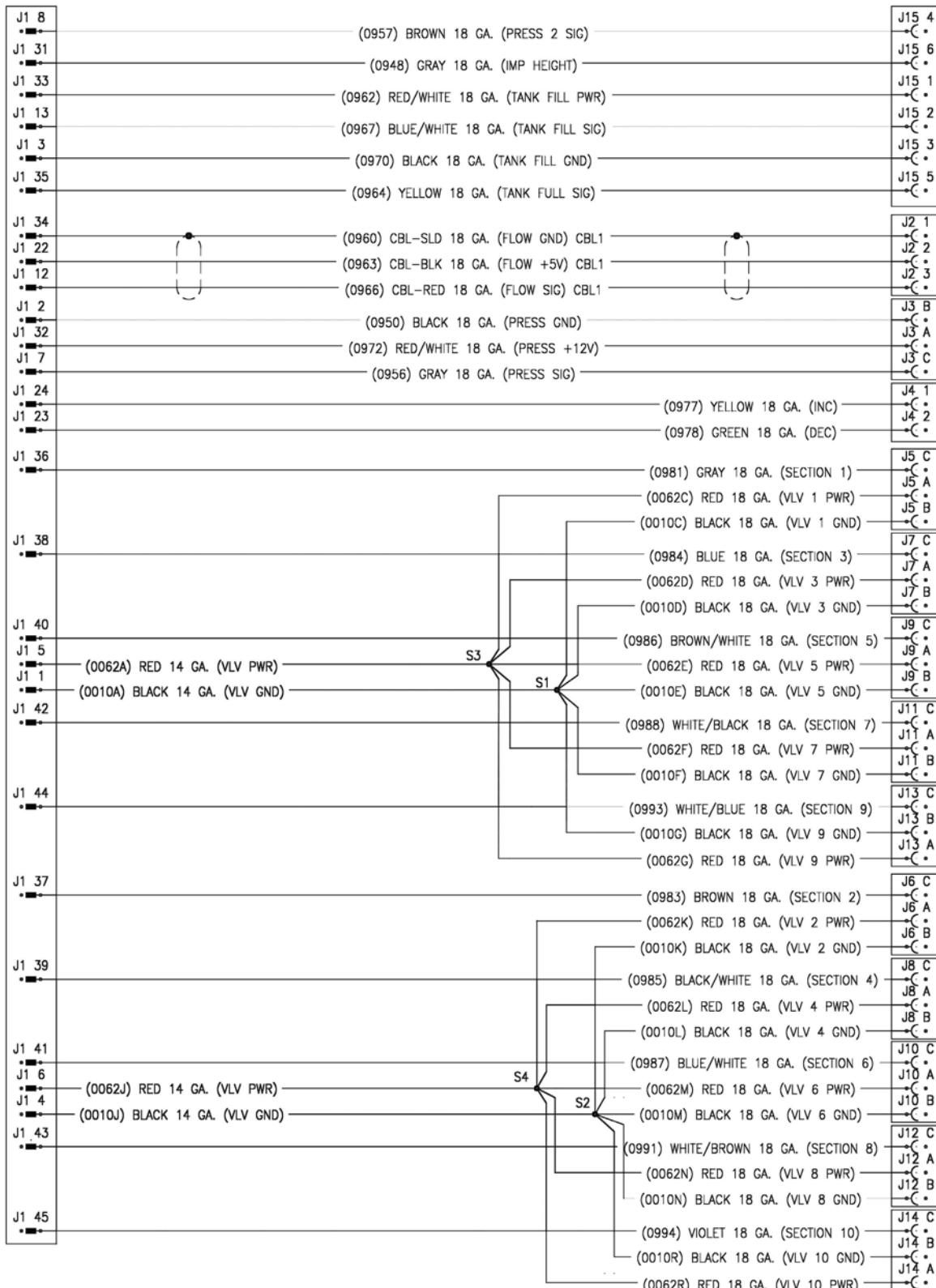
Product Cable, 47 Pin, 10 Section, Liquid, FAST 6'(632078)





ILLUSTRATED PARTS LIST

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

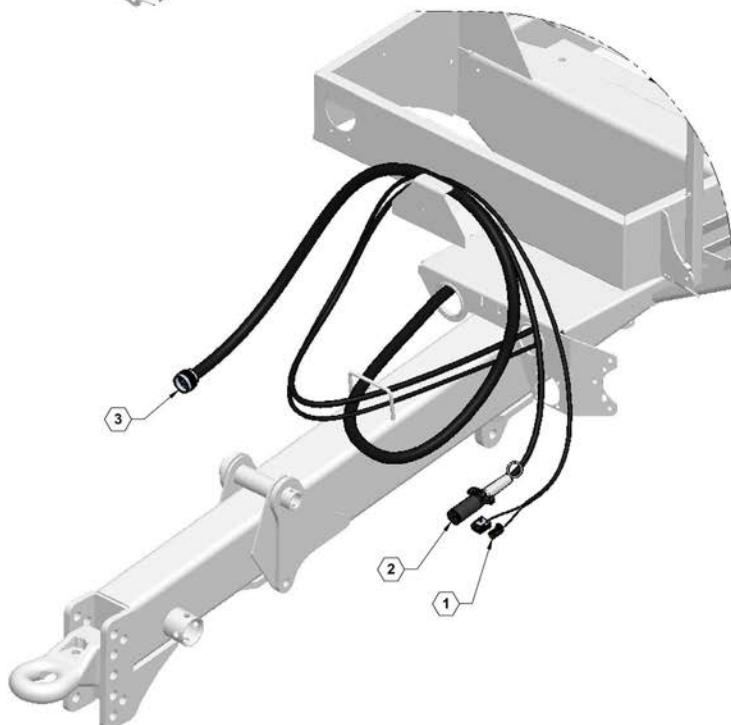
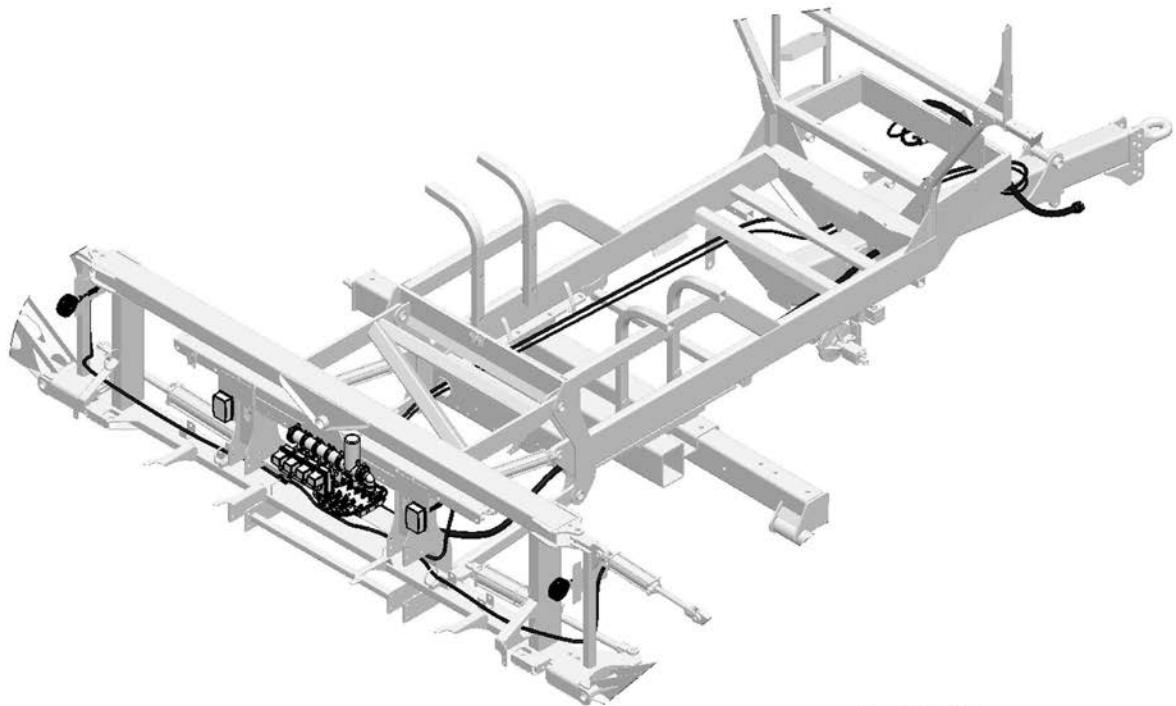




ILLUSTRATED PARTS LIST

9613TF Harness Identification & Location

9613TF-80 HARNESS I.D. & LOCATION





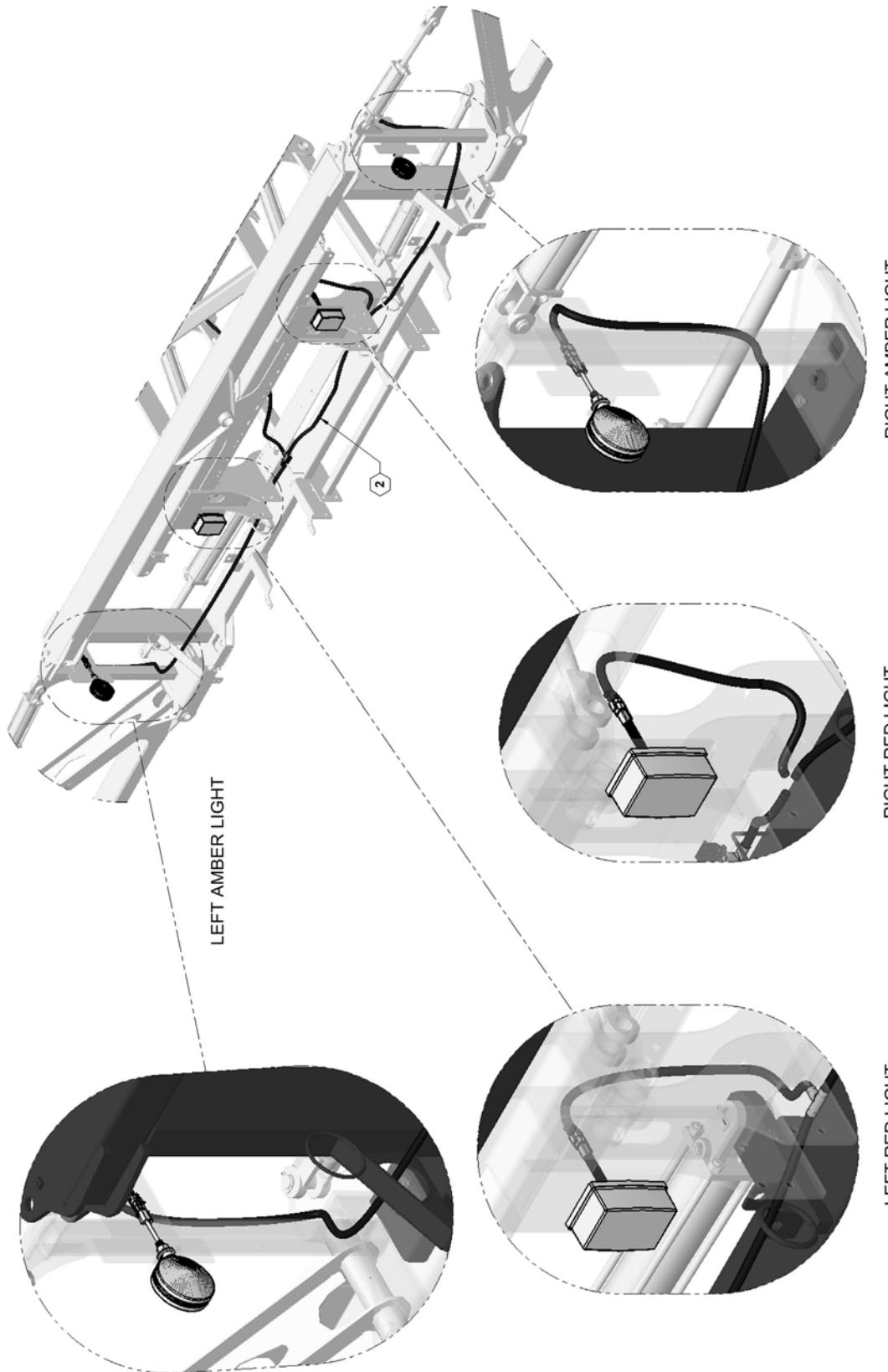
ILLUSTRATED PARTS LIST

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





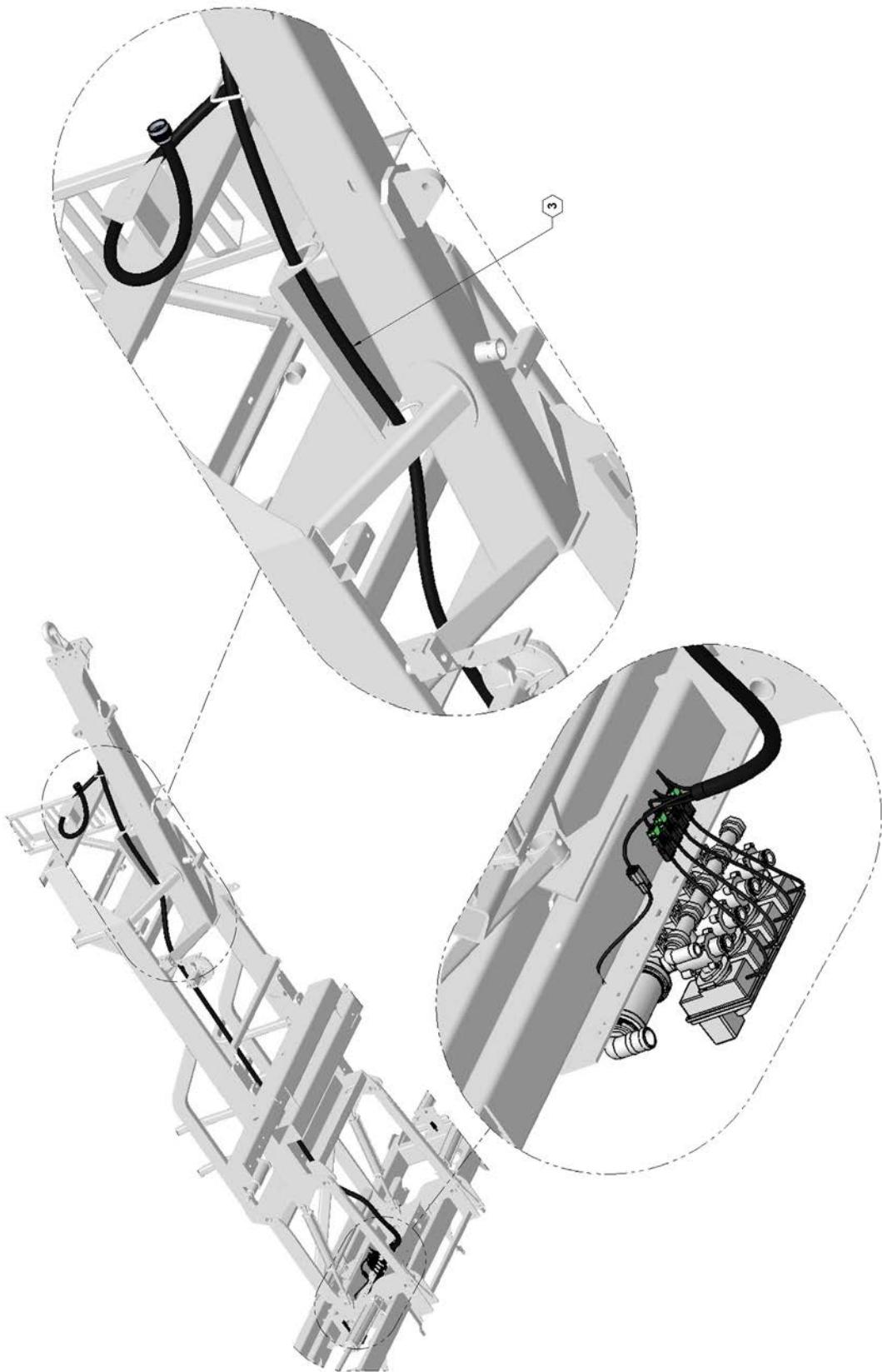
ILLUSTRATED PARTS LIST

Lighting Harness Routing Parts List

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

Product Control Harness Routing

PRODUCT CONTROL HARNESS





ILLUSTRATED PARTS LIST

Product Control Harness Routing Parts List

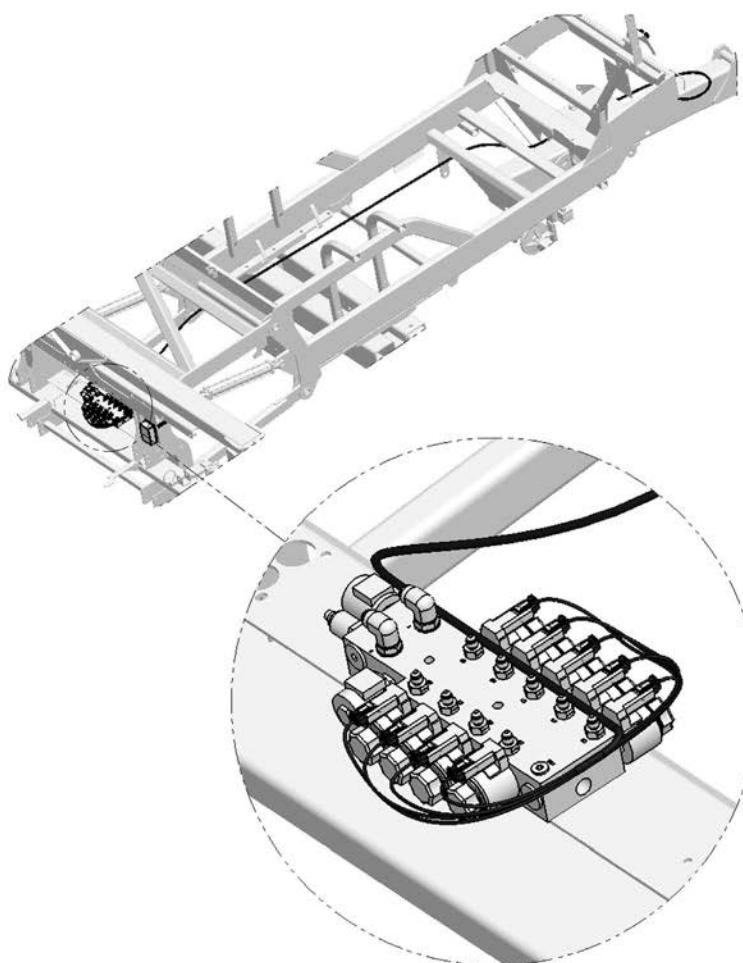
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------------|
| 1 | 319-668 | 1 | FOLD HARNESS, 60' - 66' BOOMS |
| 1 | 319-724 | 1 | FOLD HARNESS, 80', 90' & 100' BOOMS |
| 2 | 740035 | 1 | LIGHTING HARNESS |
| 3 | 632077 | 1 | PRODUCT CONTROL HARNESS, 6 SECTION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



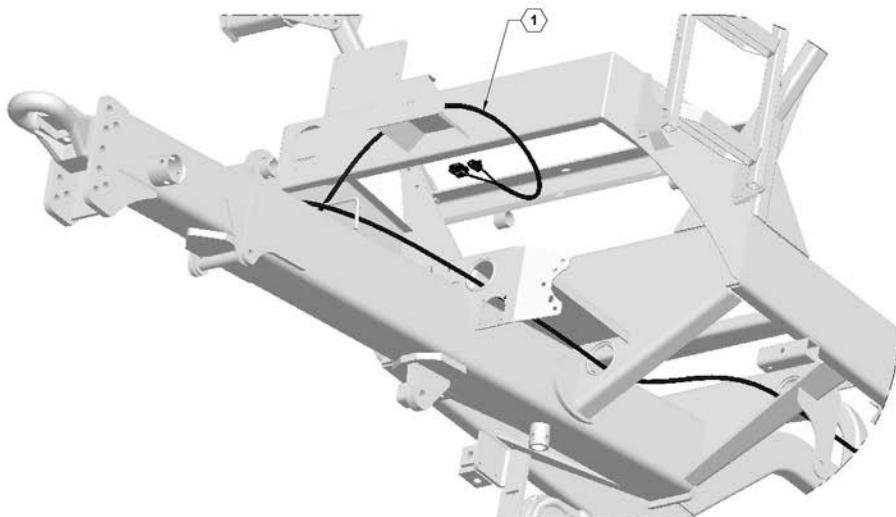
ILLUSTRATED PARTS LIST

Fold Harness Routing

FOLD HARNESS



FOLD BLOCK

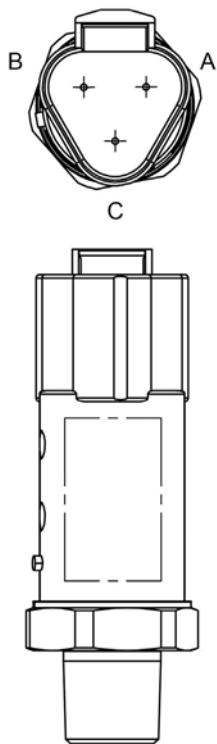




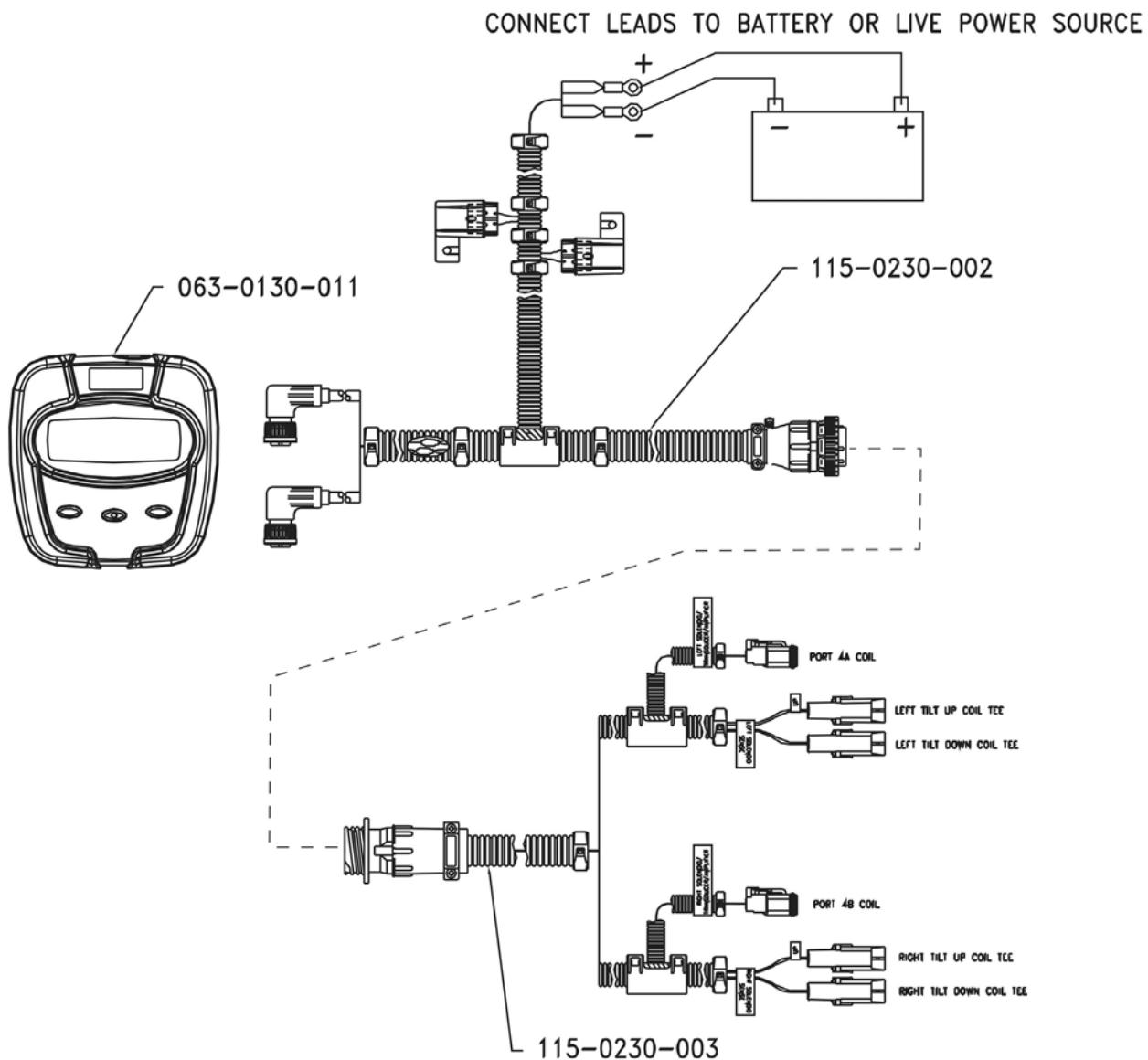
ILLUSTRATED PARTS LIST

Fold Harness Routing Parts List

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

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

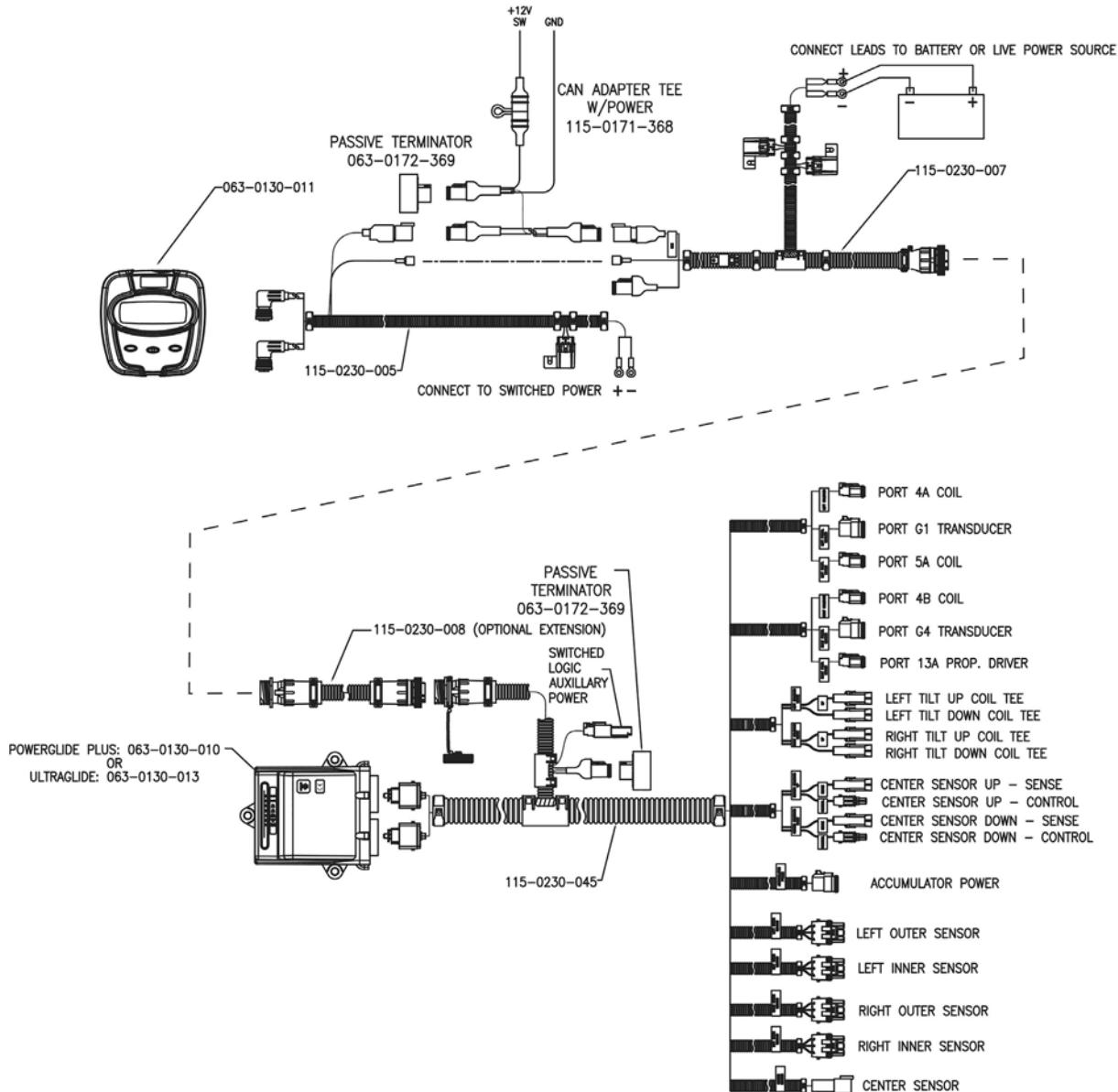
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| | 530400 | 1 | TEE: 1/4" FPT, POLY |
| | 530401 | 1 | NIPPLE: 1/4 X 1/4" MPT, POLY |
| | 632036 | 1 | PRESSURE TRANSDUCER 1-5V 0-250 |

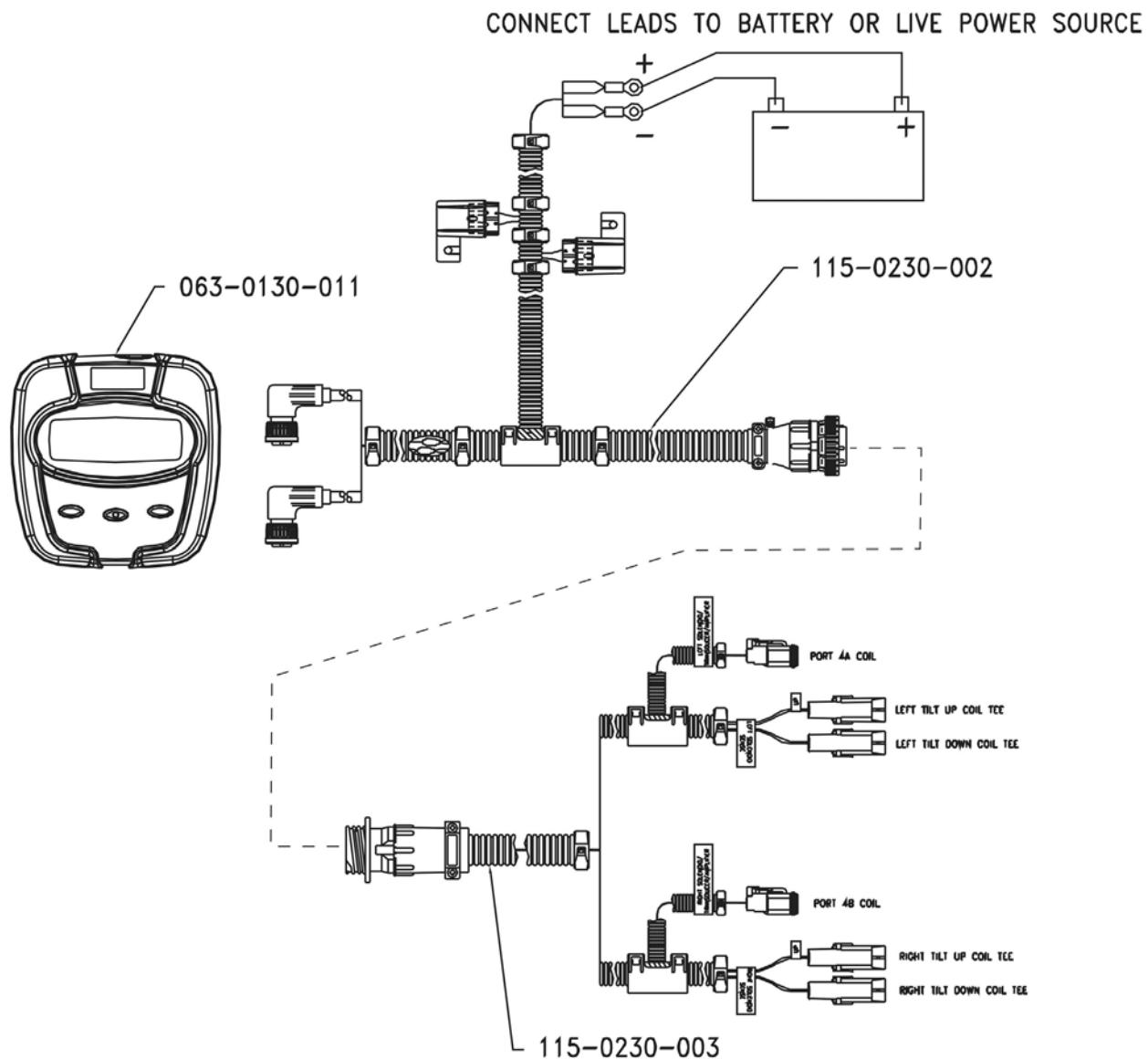
Powerglide Wiring Schematic

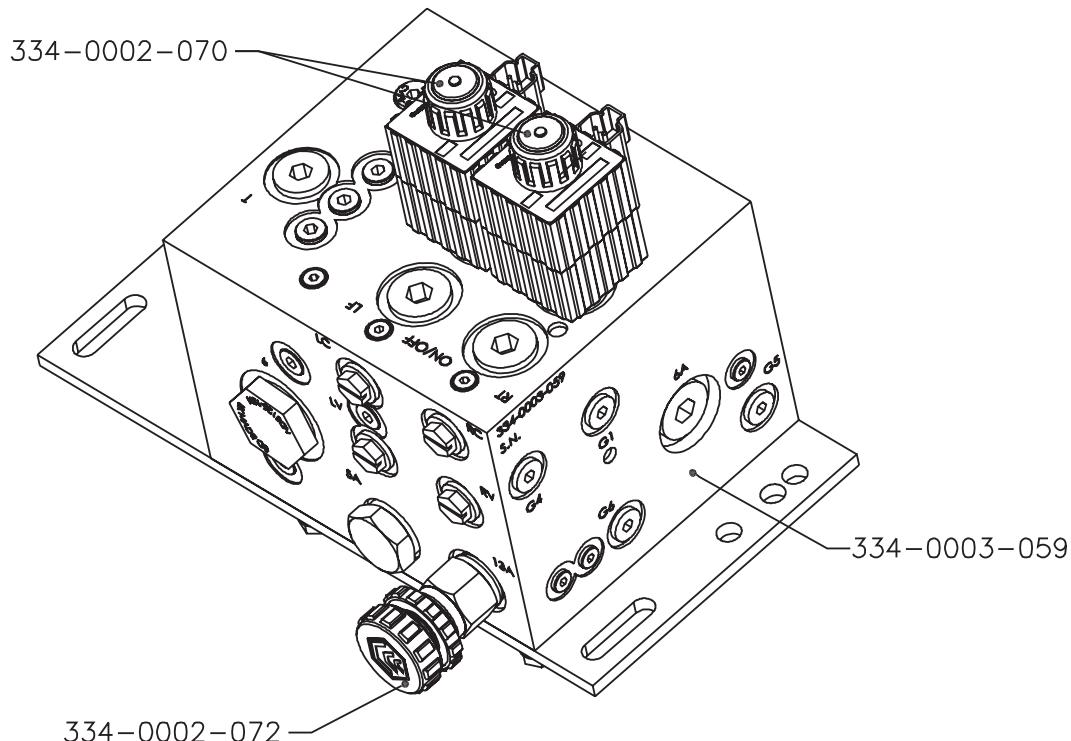


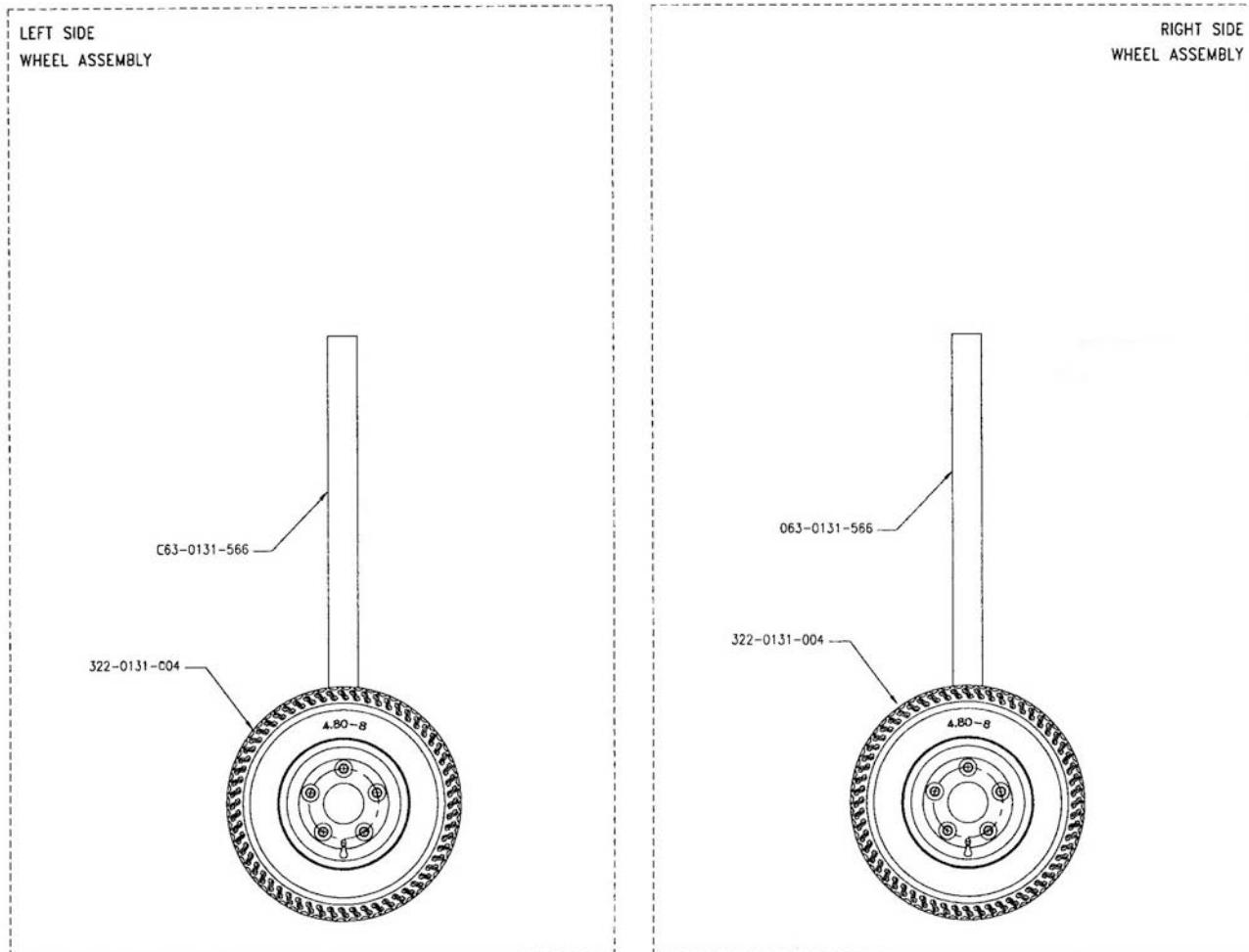
ILLUSTRATED PARTS LIST

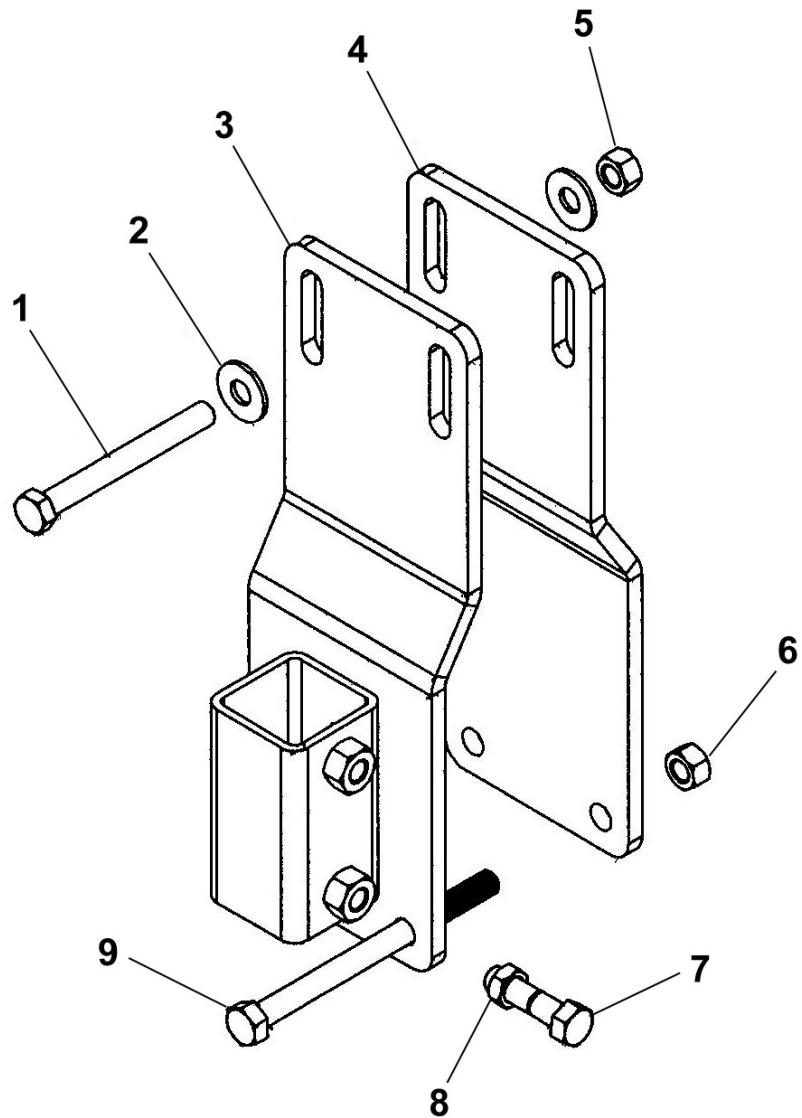
Powerglide Plus Wiring Schematic



Powerglide Wiring Schematic


Powerglide Hydraulic Block

Powerglide Solid Axle

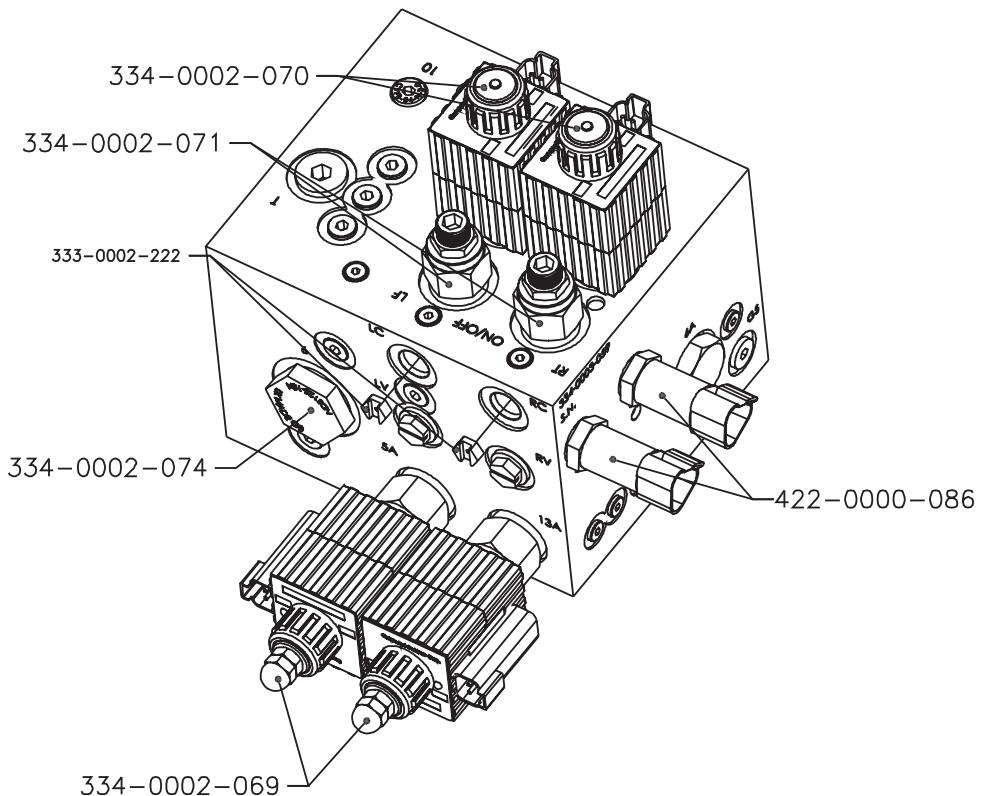
Powerglide & Powerglide Plus Mounting Brackets

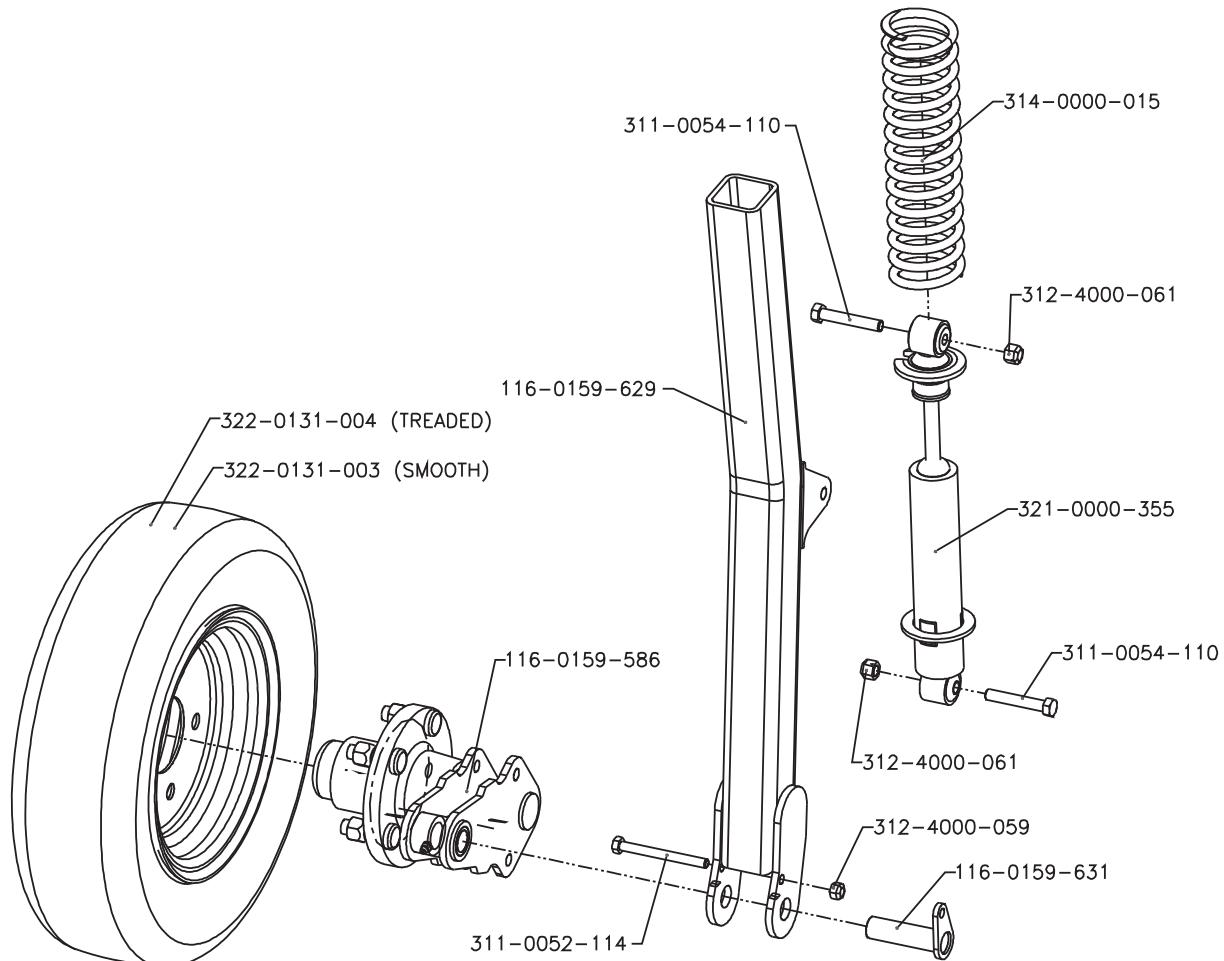


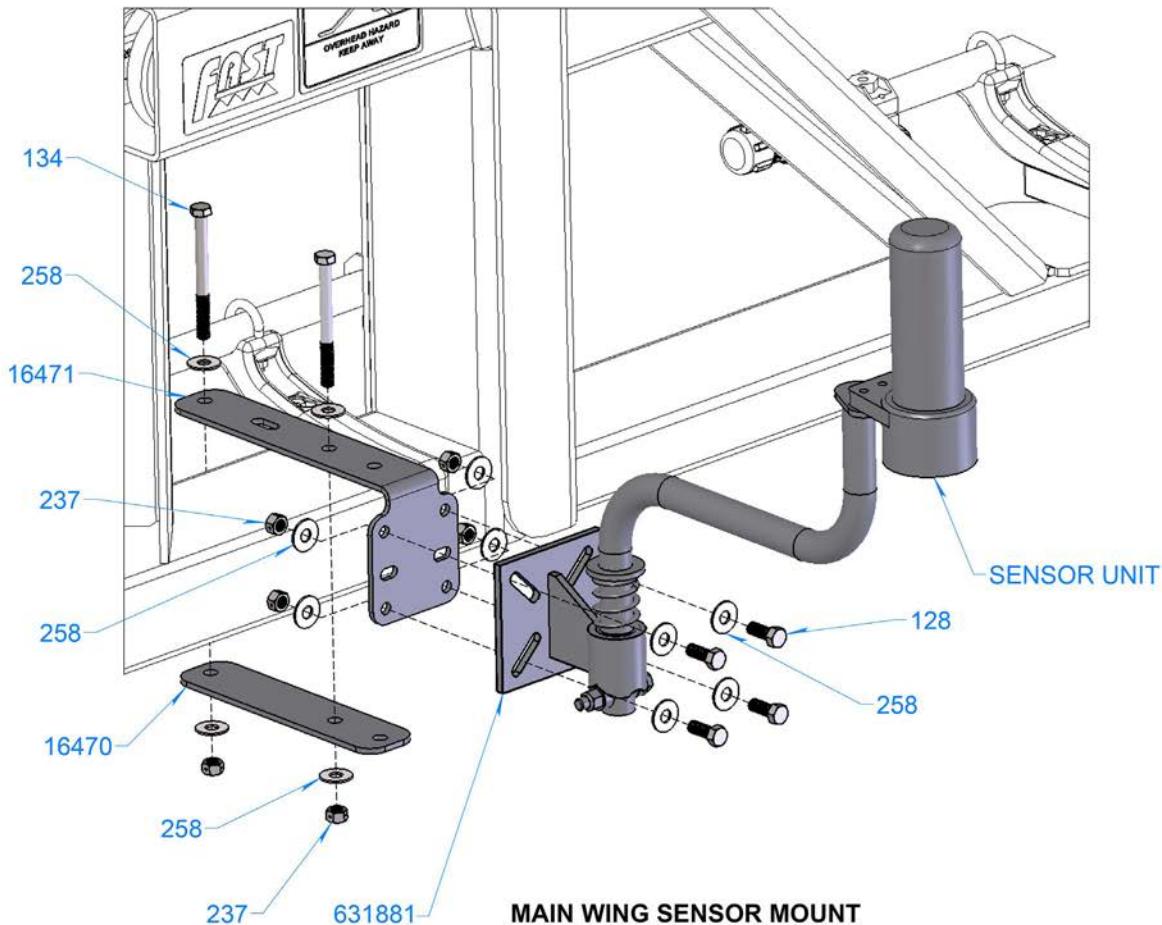
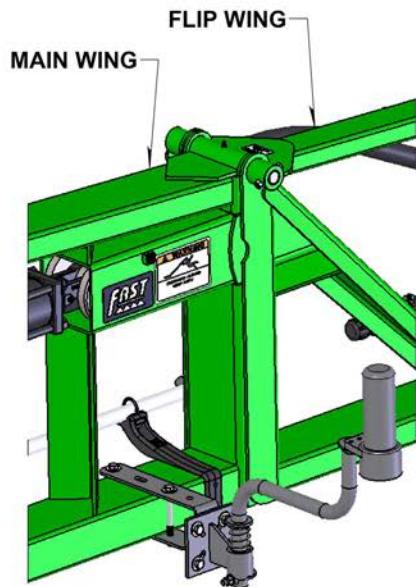
ILLUSTRATED PARTS LIST

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

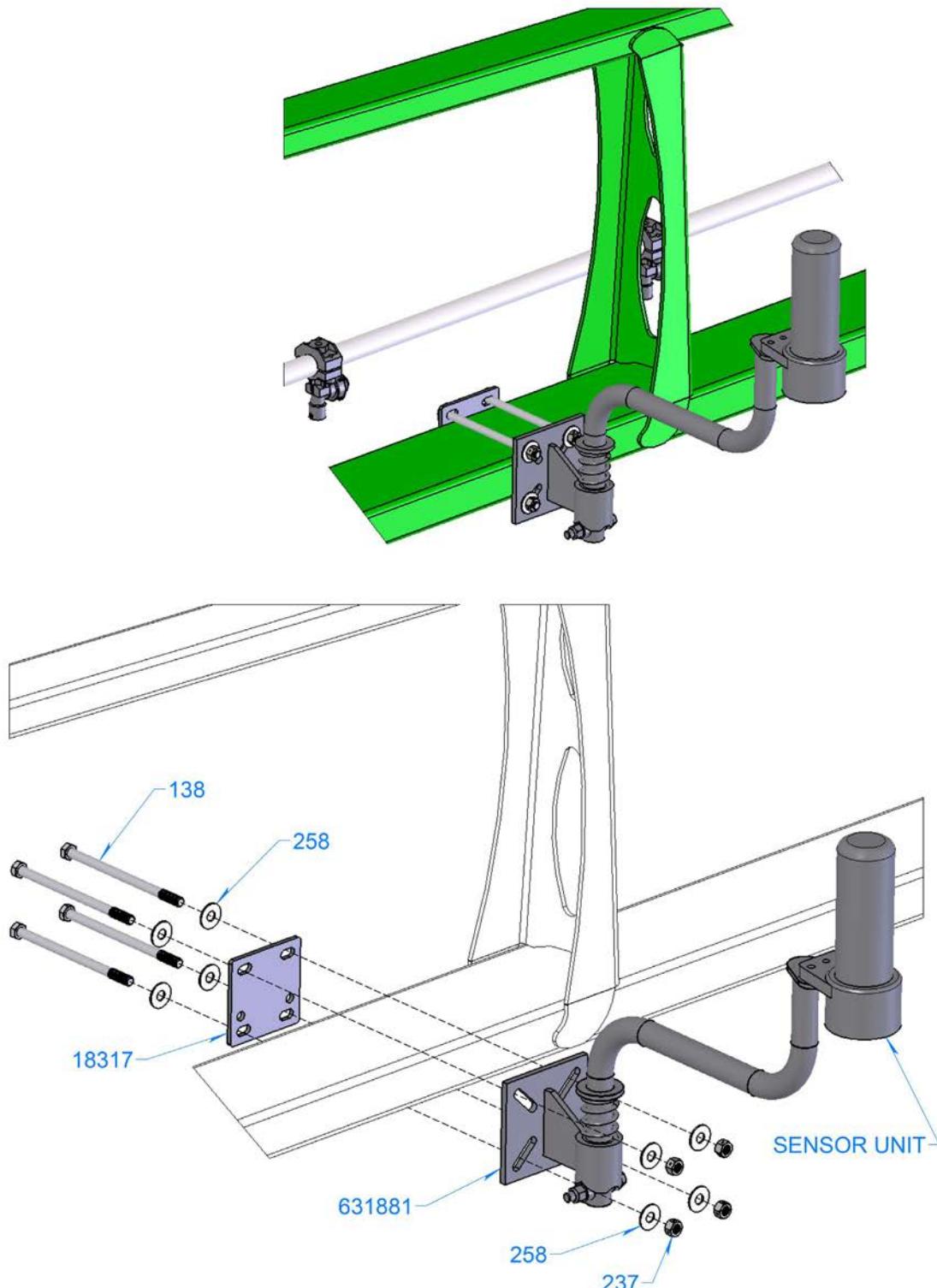
Raven Sensor Mounts



ILLUSTRATED PARTS LIST

Raven Sensor Mounts Parts List

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

Raven Sensor Mounts

WET BOOM ASSEMBLY NOT SHOWN FOR CLARITY

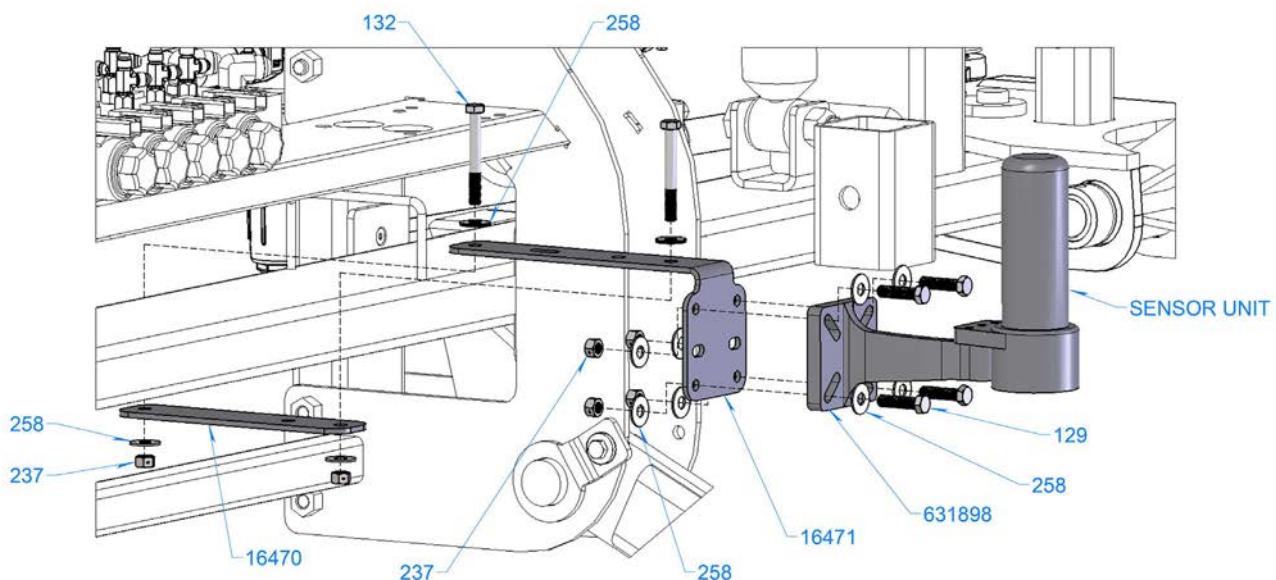
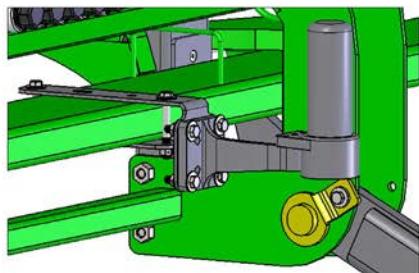
FLIP WING SENSOR MOUNT



ILLUSTRATED PARTS LIST

Raven Sensor Mounts Parts List

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

Raven Sensor Mounts

PARTIAL REAR VIEW AT CENTER SECTION

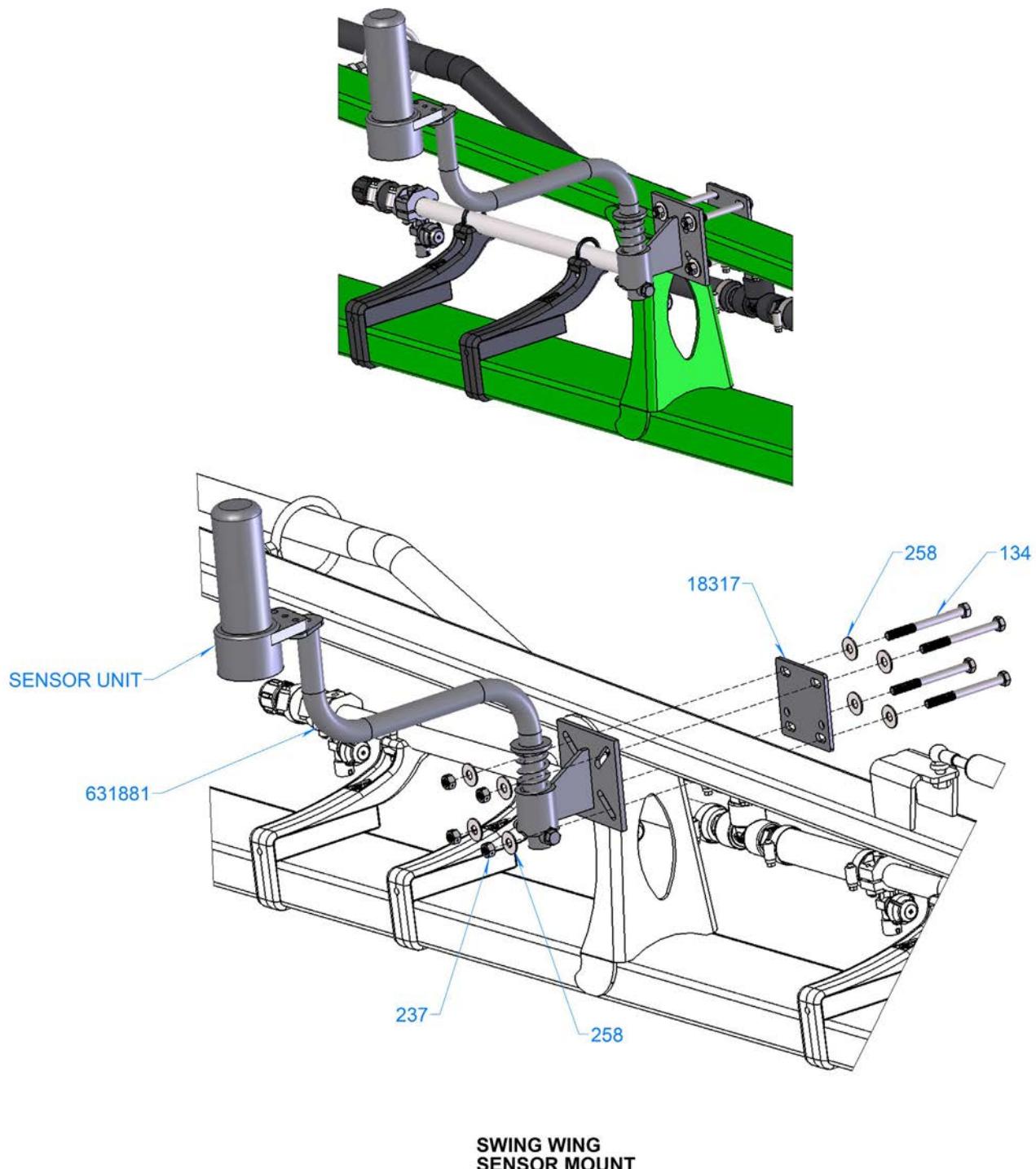
CENTER SECTION
SENSOR MOUNT



ILLUSTRATED PARTS LIST

Raven Sensor Mounts Parts List

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

Raven Sensor Mounts



ILLUSTRATED PARTS LIST

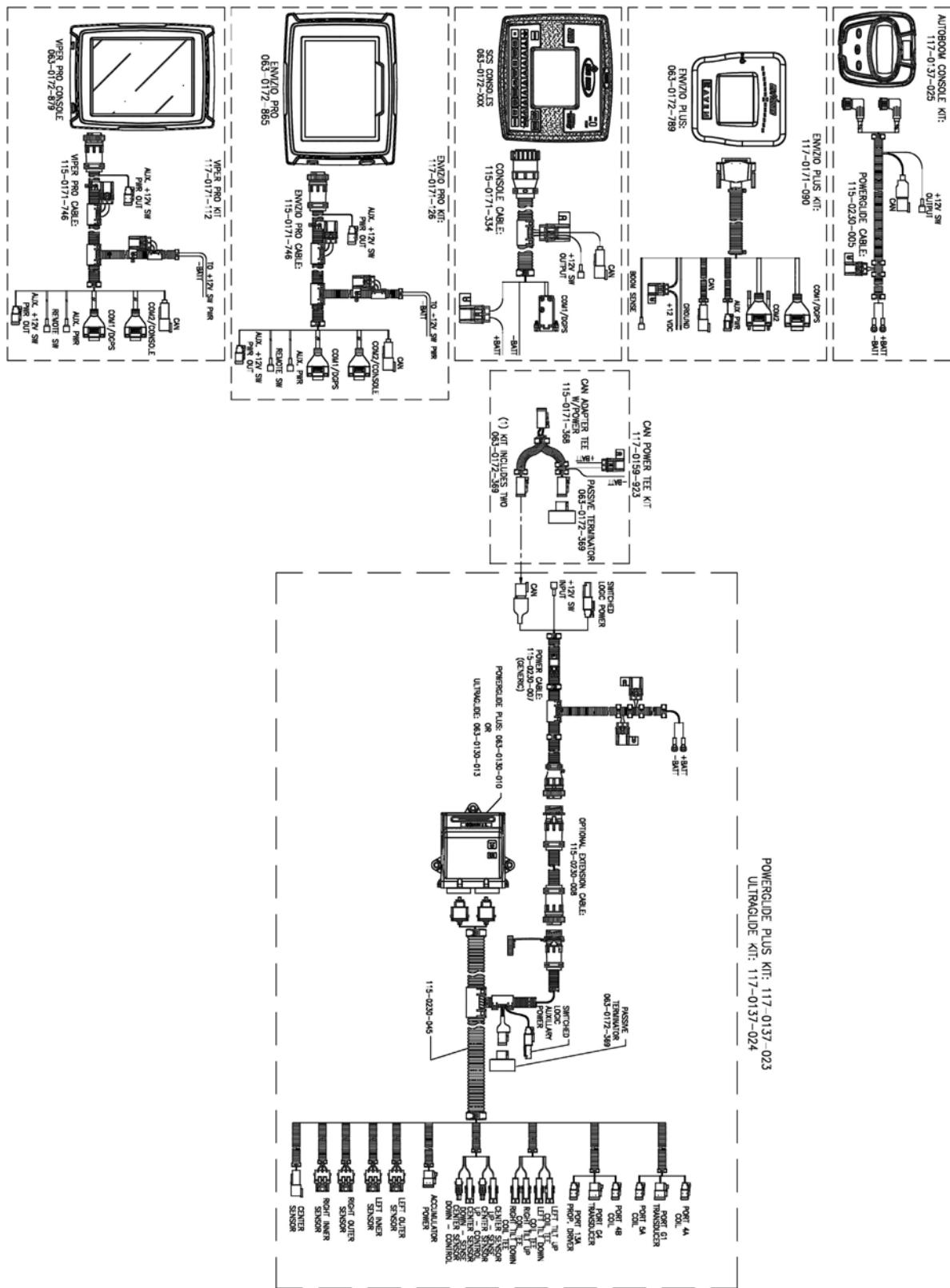
Raven Sensor Mounts Parts List

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

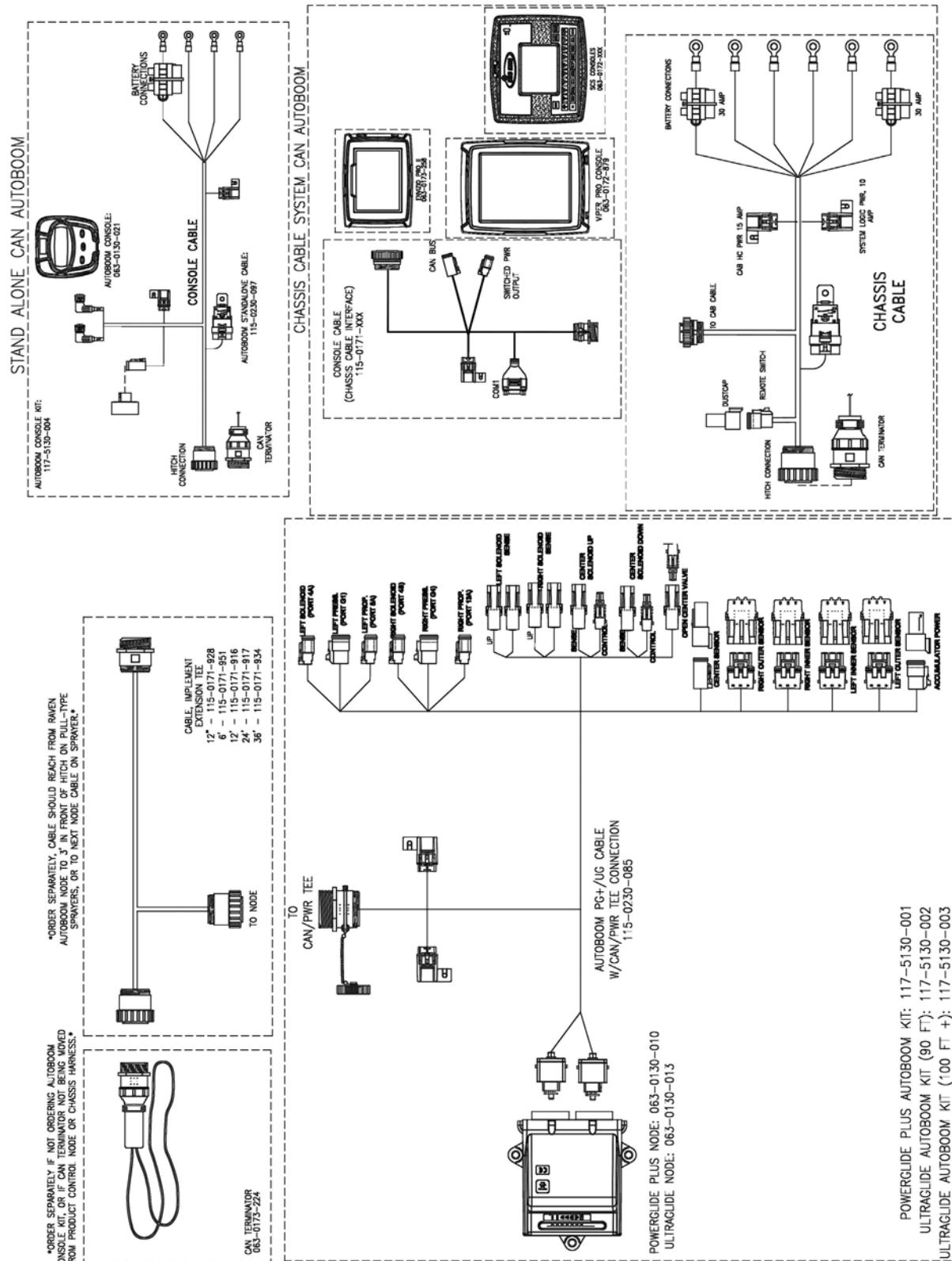


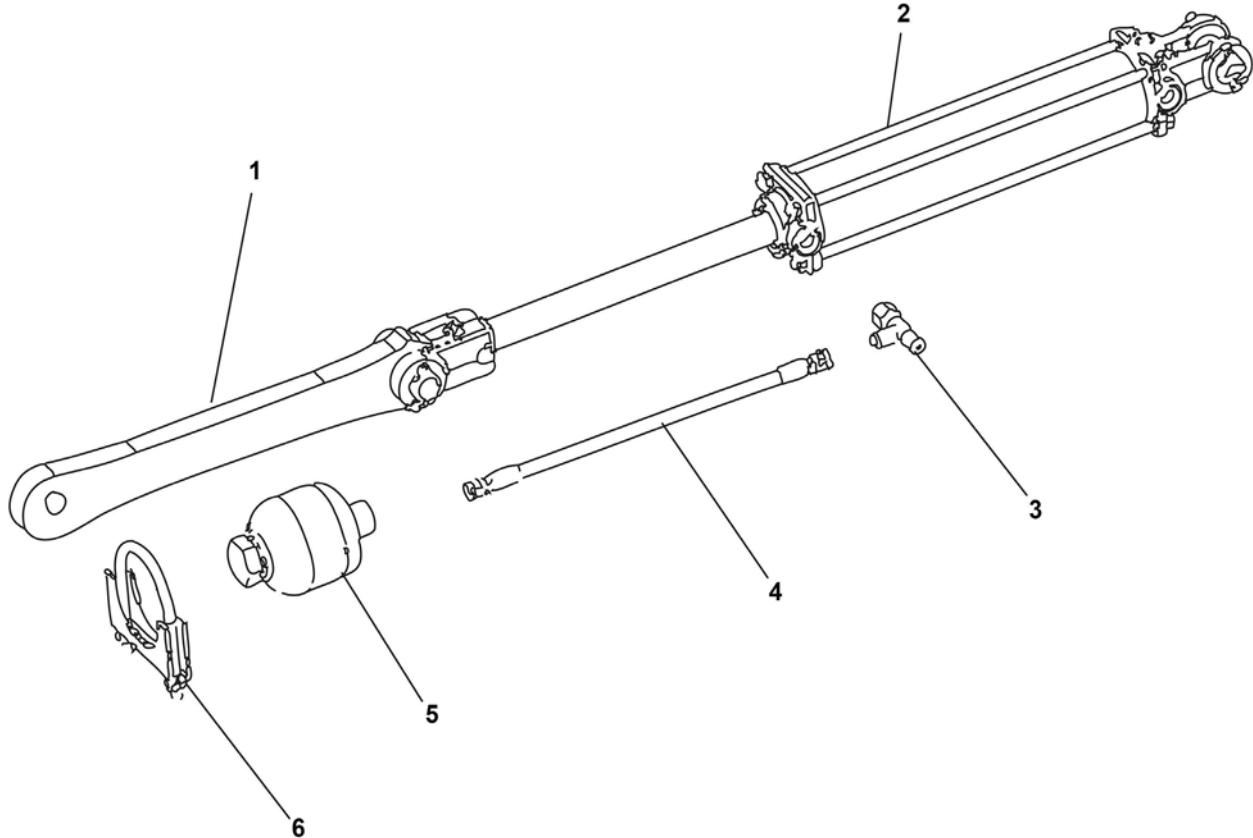
ILLUSTRATED PARTS LIST

Raven UltraGlide Gen I Wiring



Raven UltraGlide Gen II Wiring



Wing Tilt Options

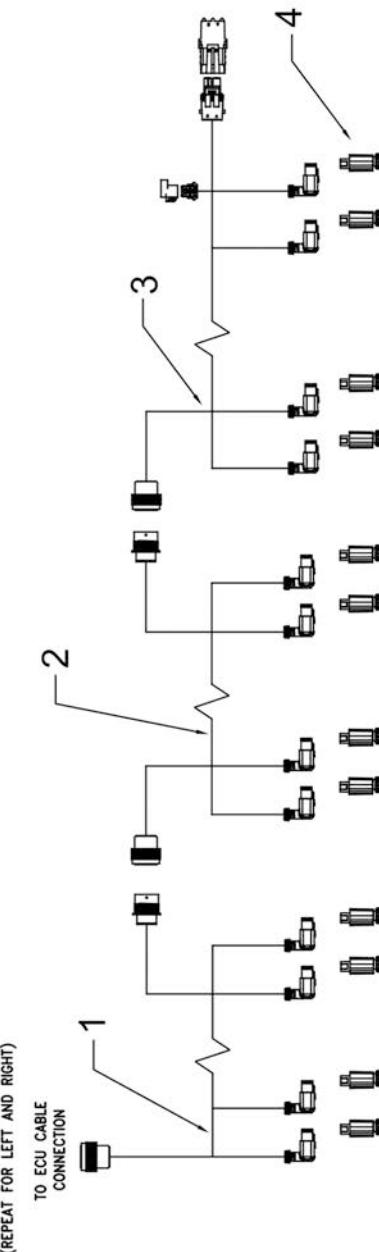
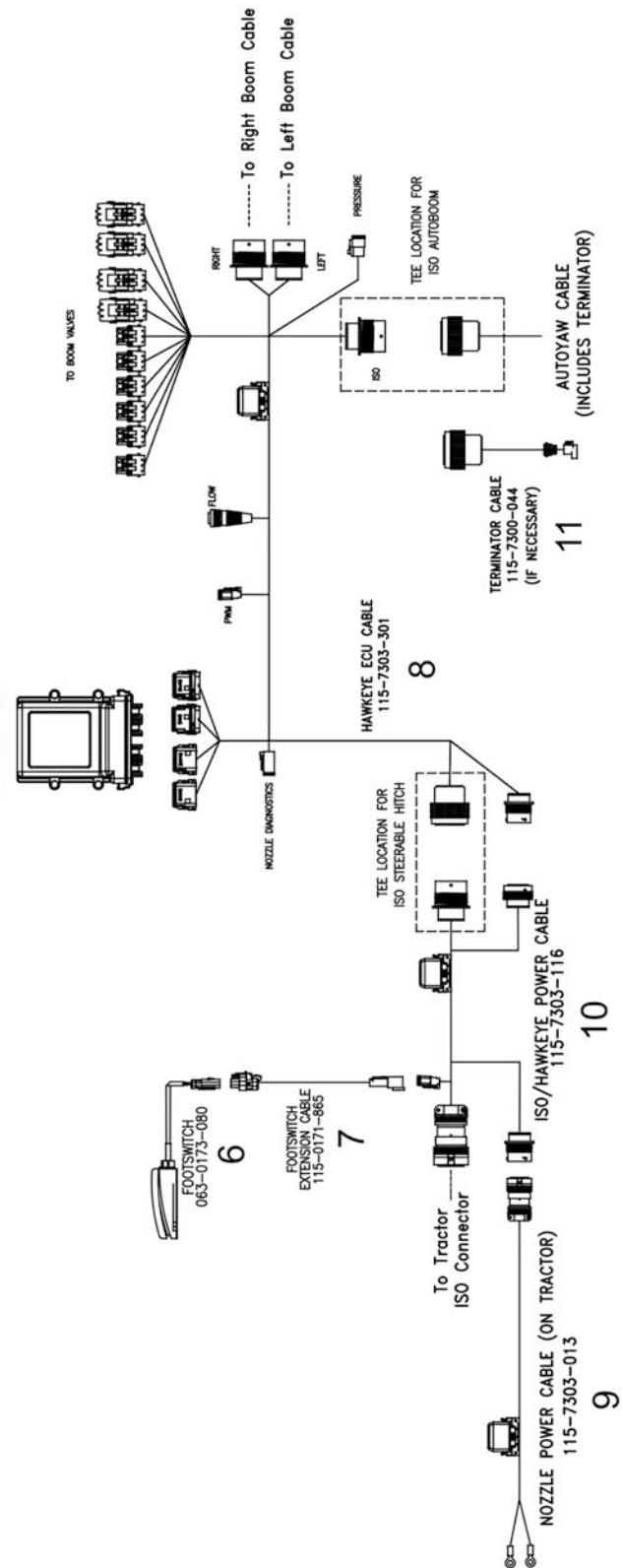


ILLUSTRATED PARTS LIST

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

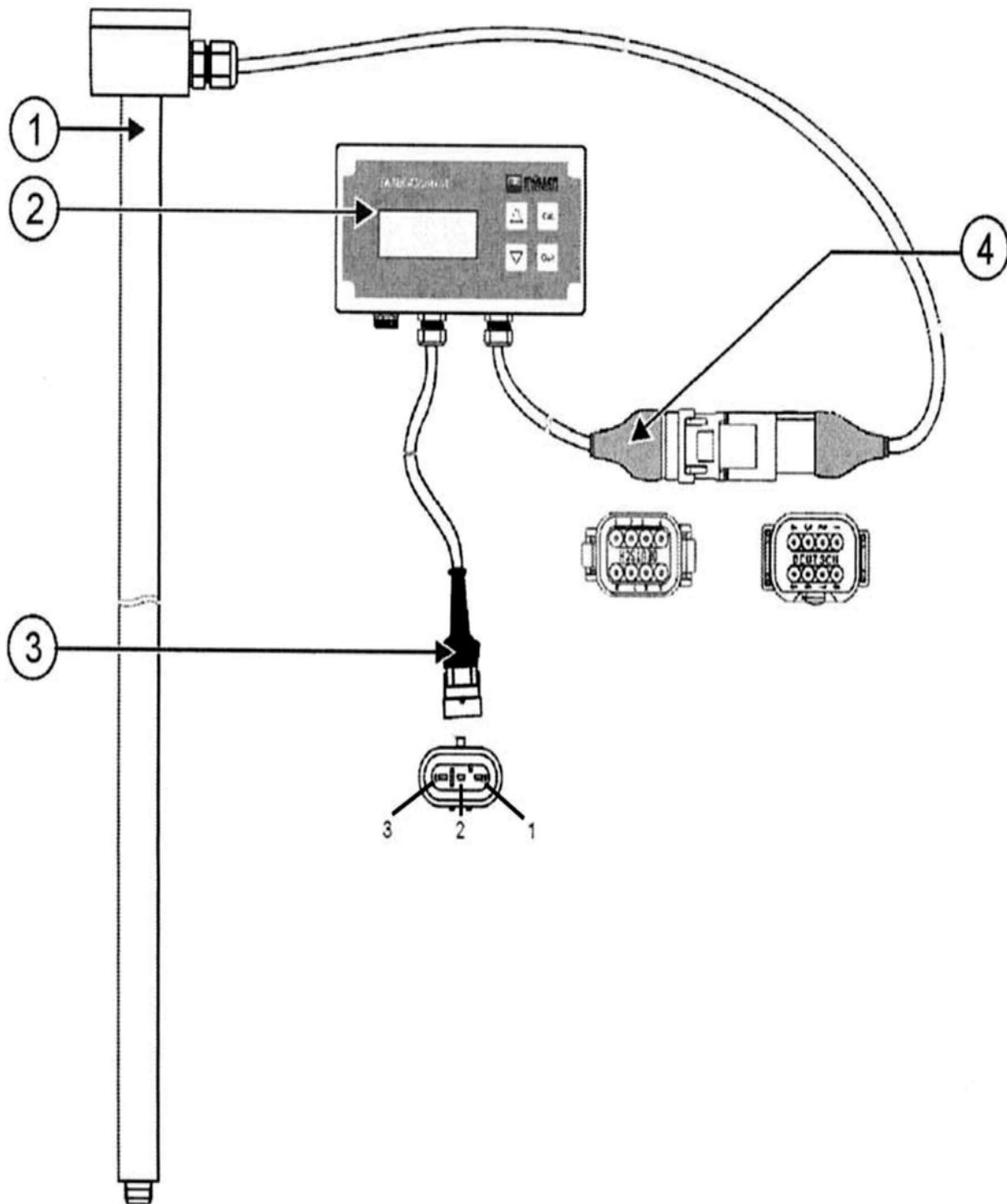
 HAWKEYE ECU
063-0173-704

 (REPEAT FOR LEFT AND RIGHT)
TO ECU CABLE CONNECTION



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 ASSEMBLY 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 |

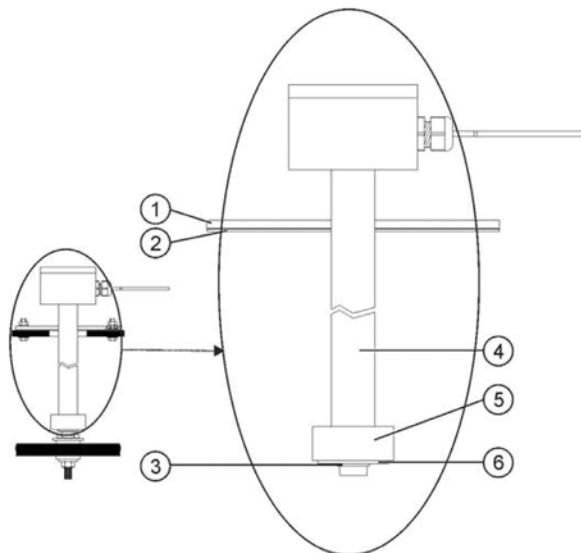
Electronic Sight Gauge



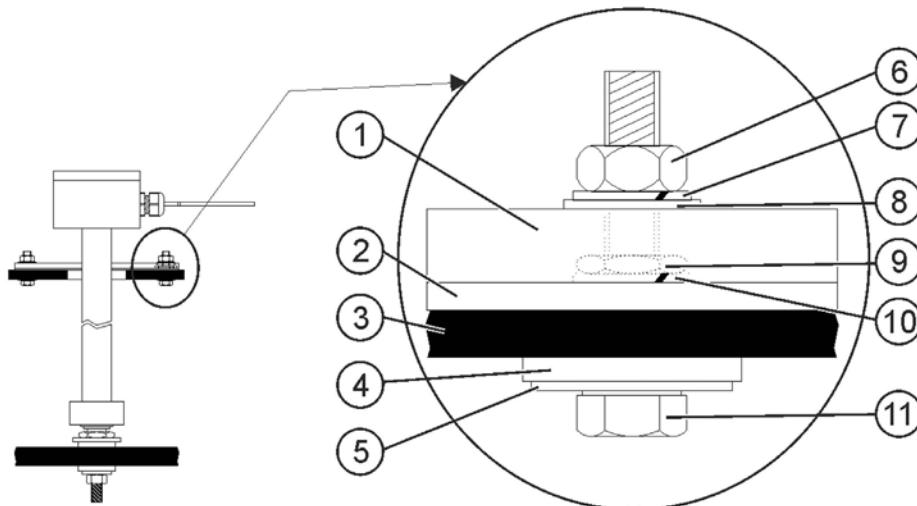
ILLUSTRATED PARTS LIST

Electronic Sight Gauge Parts List

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

Electronic Sight Gauge - Sensor Tube
PREPARE THE SENSOR TUBE


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

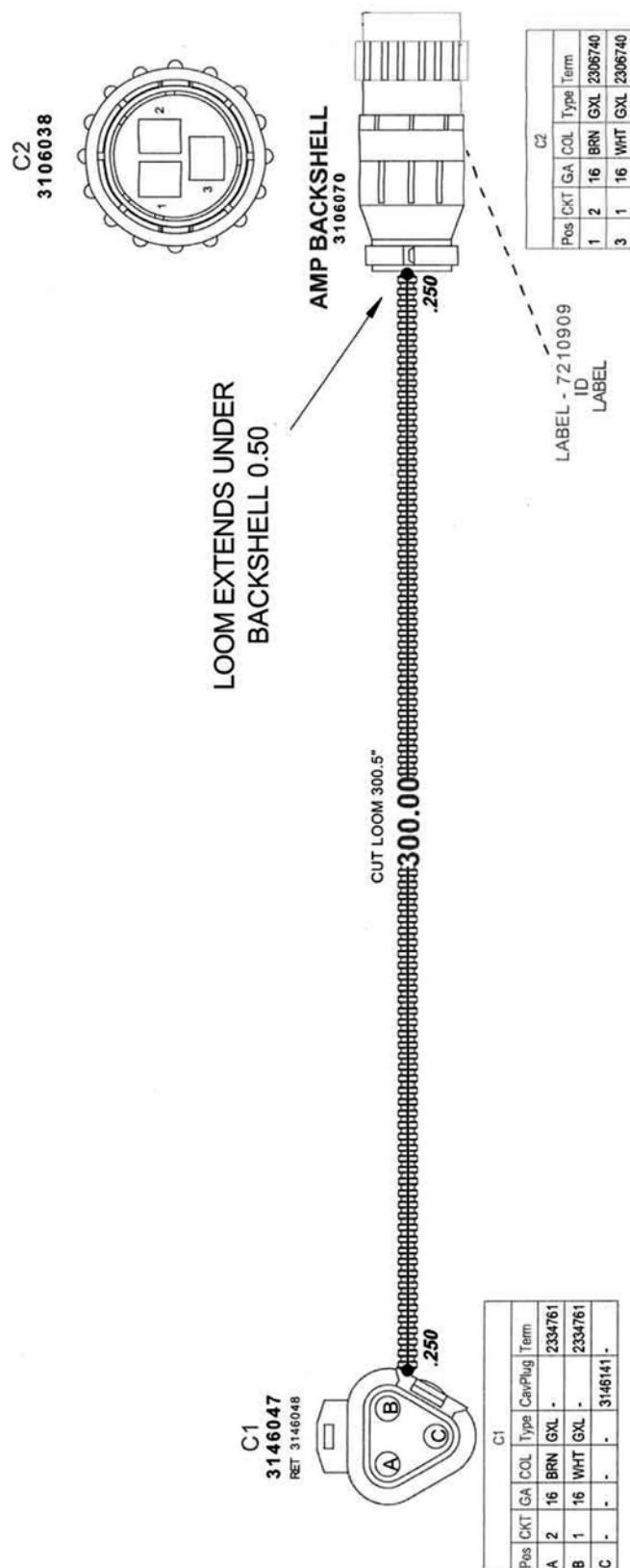
INSTALL THE SENSOR TUBE


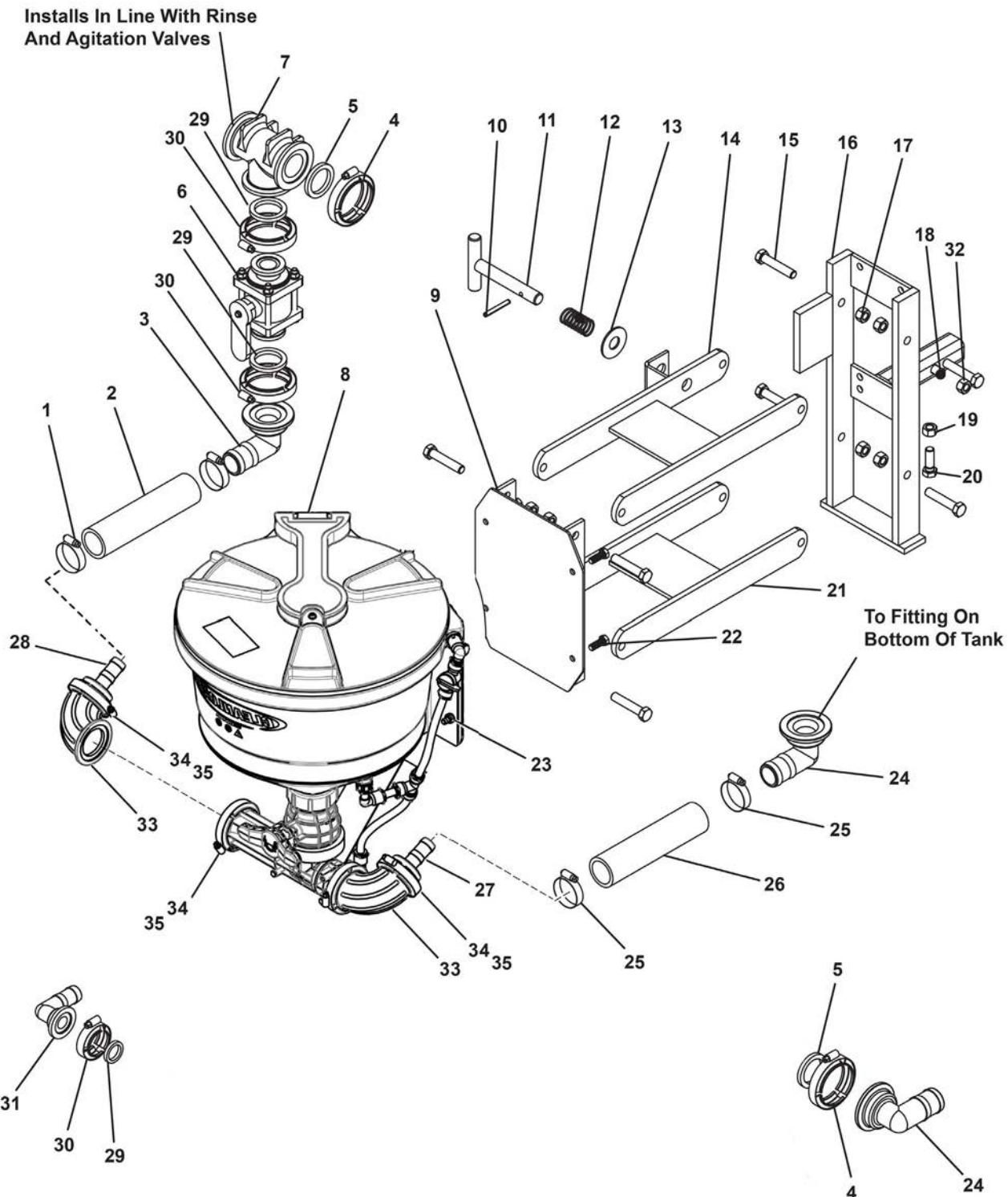
| Item | Vendor Part # | Fast Part # | Description | Qty. |
|------|---------------|-------------|---------------------|------|
| 1 | | | Tube Socket | 1 |
| 2 | | | Viton Gasket 25 x 6 | 1 |
| 3 | | | Base of Tank | 1 |
| 4 | | | Viton Gasket 25 x 6 | 1 |
| 5 | | | Wahser A6.4 | 1 |
| 6 | | | Nut M6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



ILLUSTRATED PARTS LIST

Electronic Sight Gauge - Power Cable



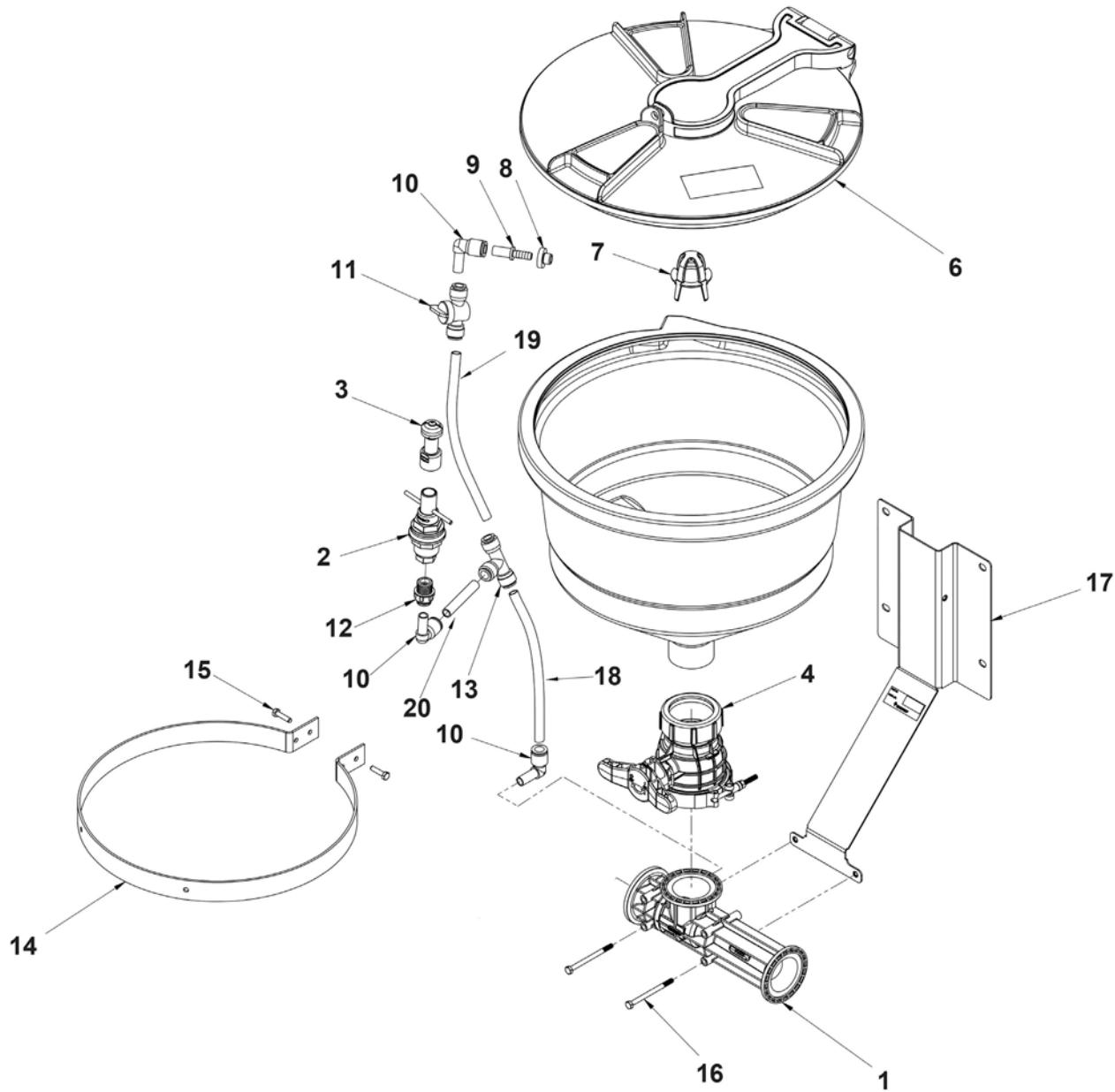
HYPRO Cleanload Eductor & Mounting, 7.5 Gallon




ILLUSTRATED PARTS LIST

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 |

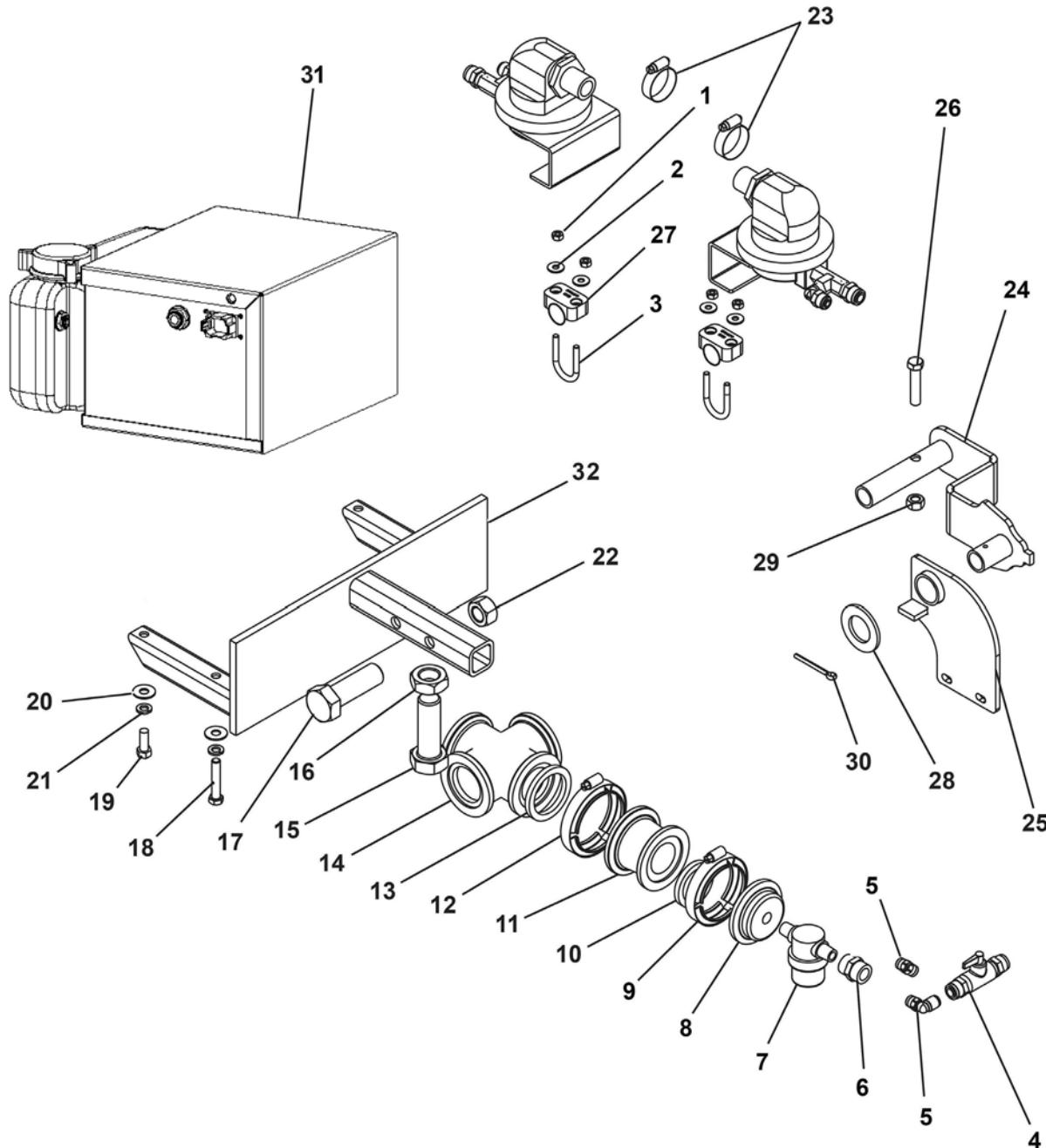
HYPRO Cleanload Eductor, 7.5 Gallon



ILLUSTRATED PARTS LIST

HYPRO Cleanload Eductor, 7.5 Gallon Parts List

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

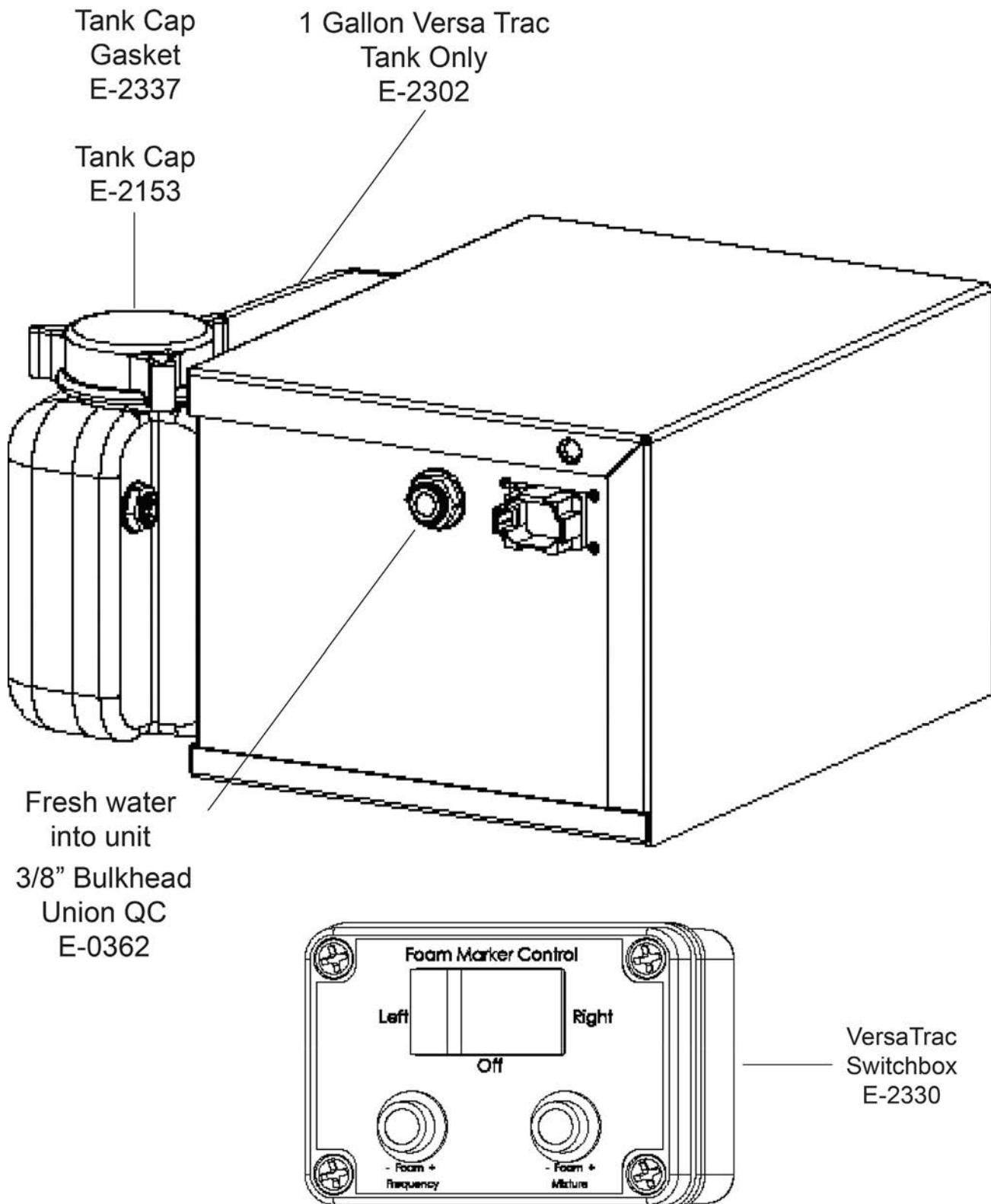
Richway Direct Injection Foamer & Mounting

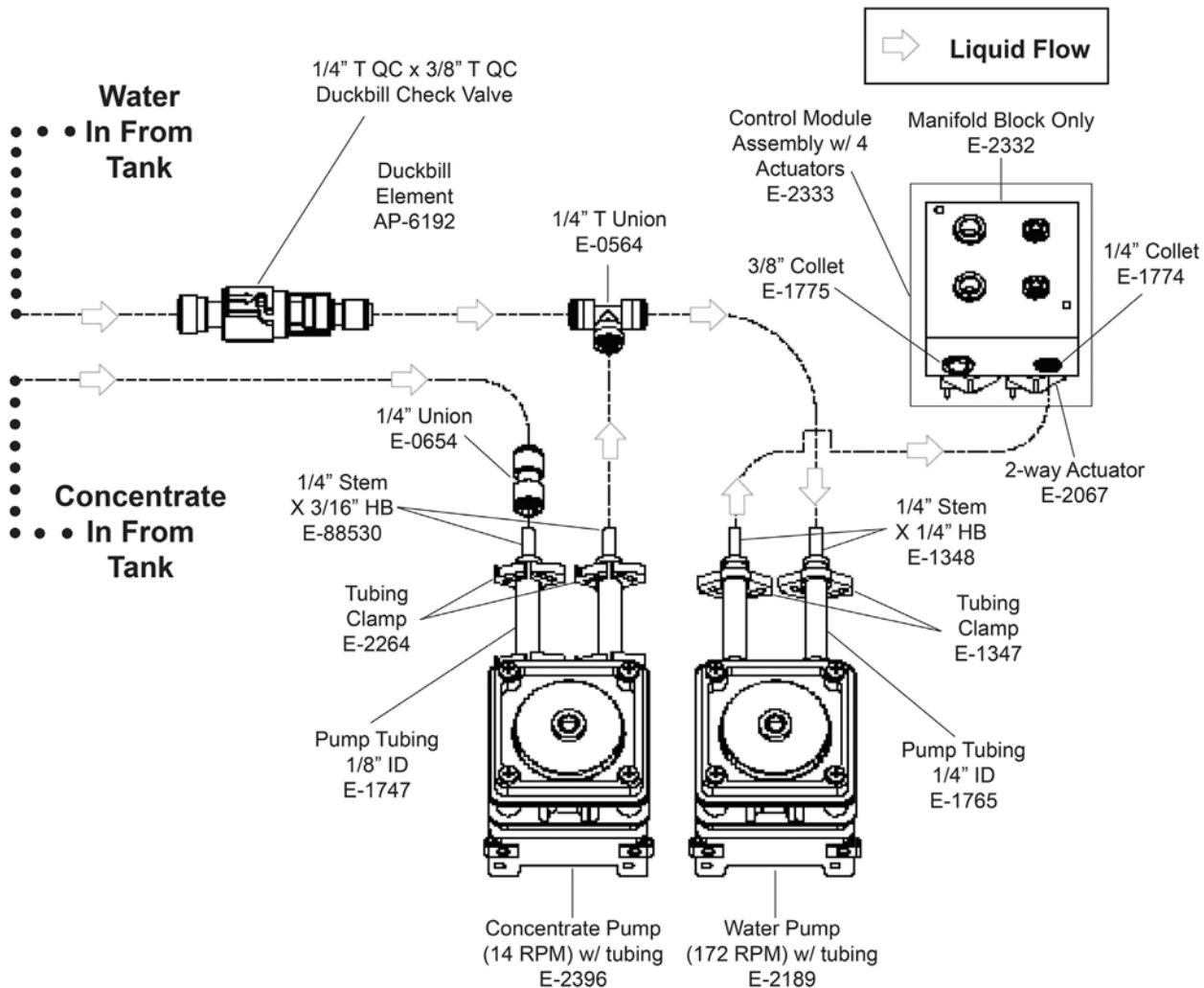


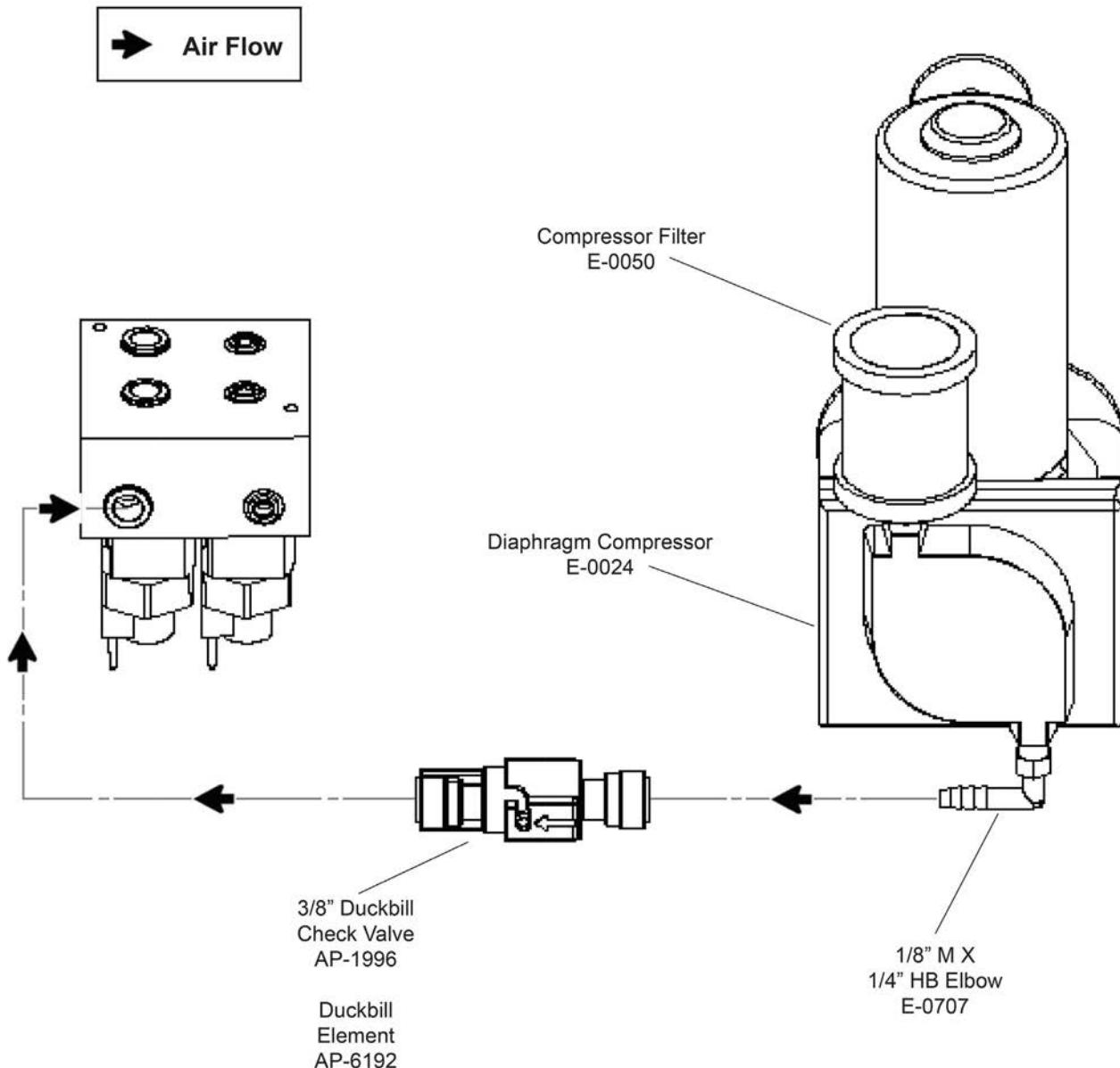
ILLUSTRATED PARTS LIST

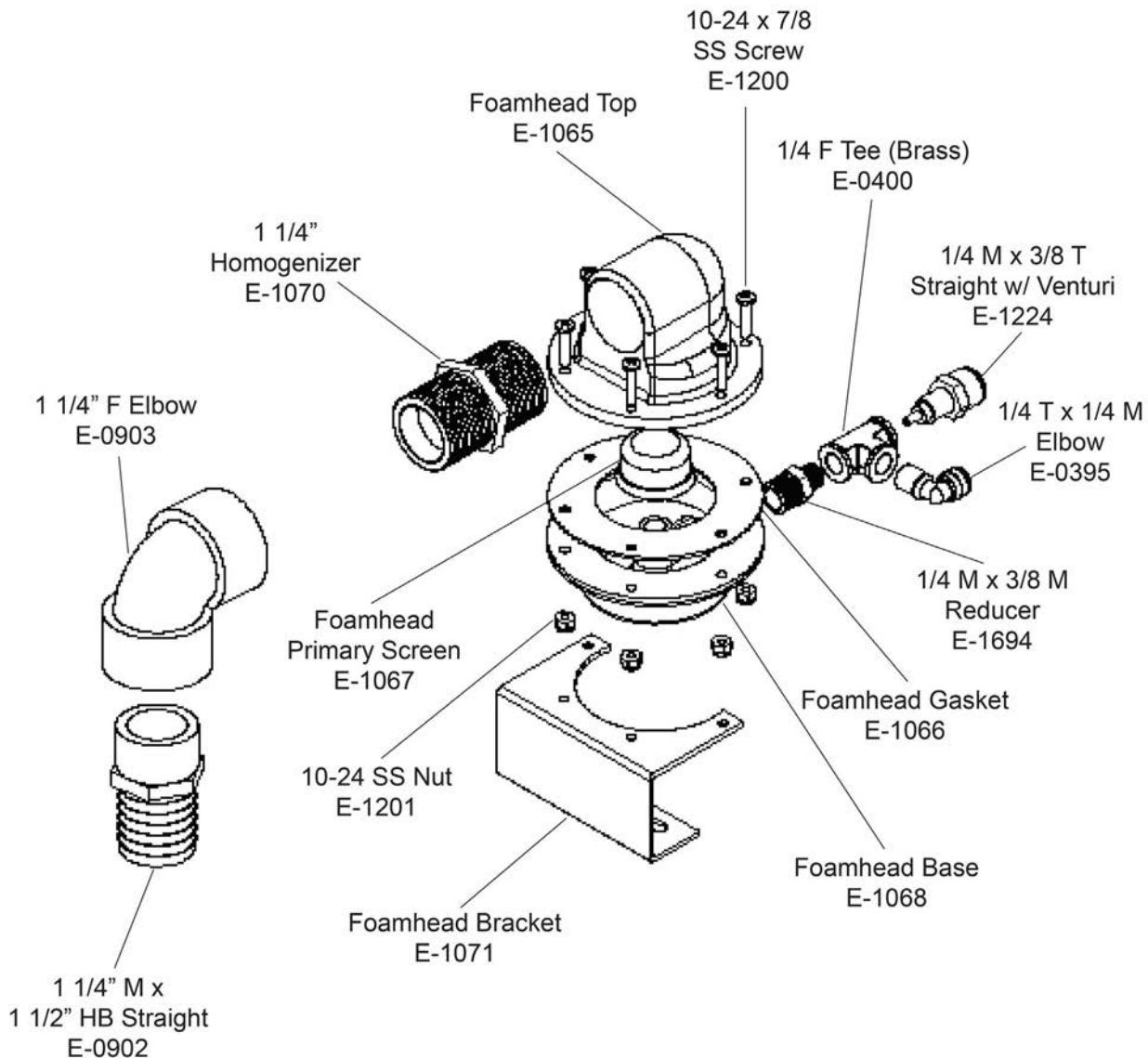
Richway Direct Injection Foamer & Mounting Parts List

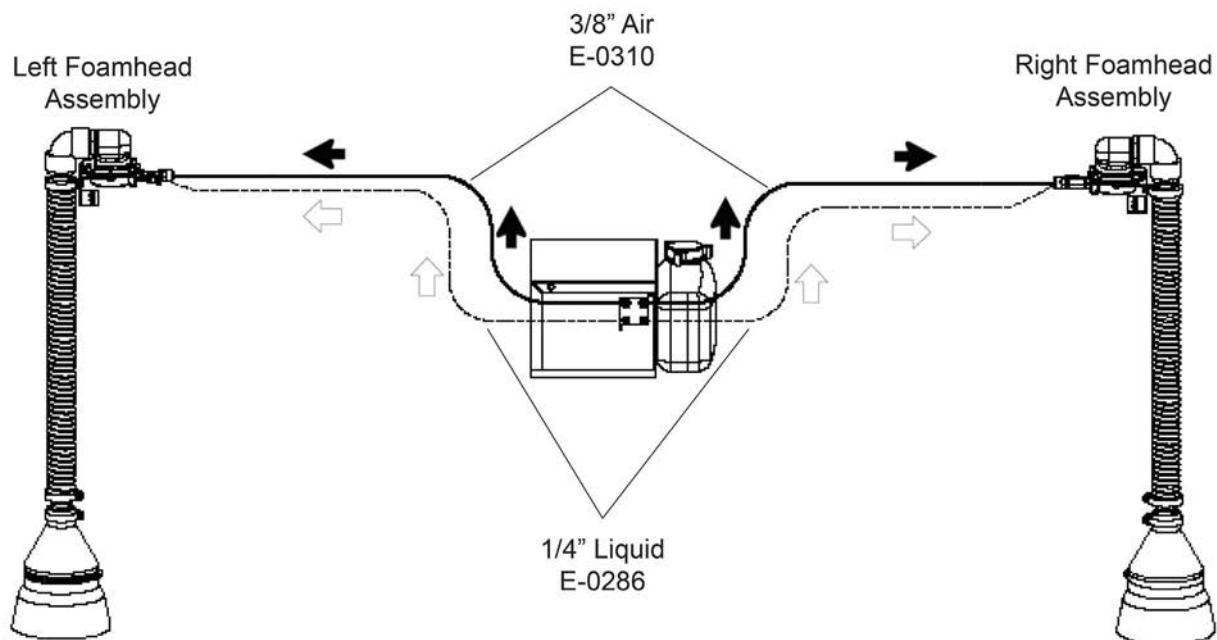
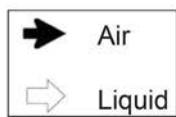
| ITEM | VENDOR PART NO. | PART NO. | QTY. | DESCRIPTION |
|------|-----------------|----------|------|---|
| 1 | | 647 | 8 | Nut, HH 1/4" Nylock SS |
| 2 | | 663 | 8 | Washer, Flat 1/4" SS |
| 3 | 2M1473140 | 590048 | 4 | U-Bolt 1/4 x 1.5 SS |
| 4 | 44103289 | 530007 | 1 | Valve, Shut Off 3/8 Q-Lock |
| 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' |

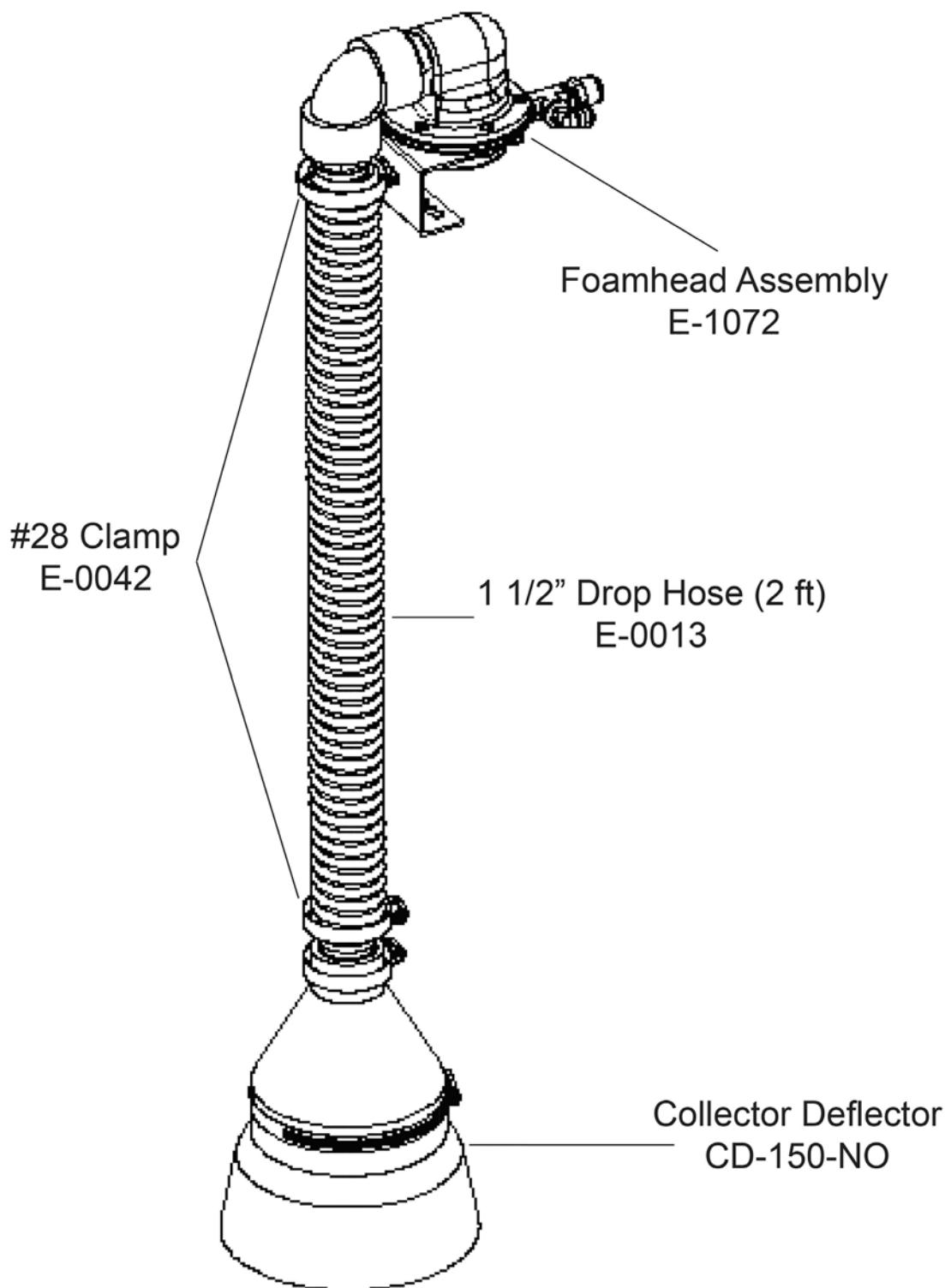
Richway Foam Marker 1 Gallon Tank & Switchbox

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

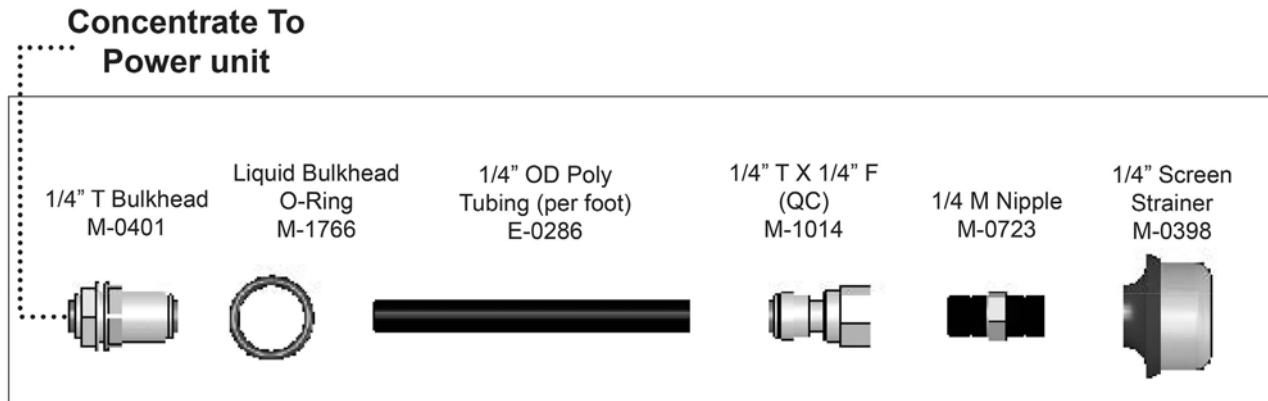
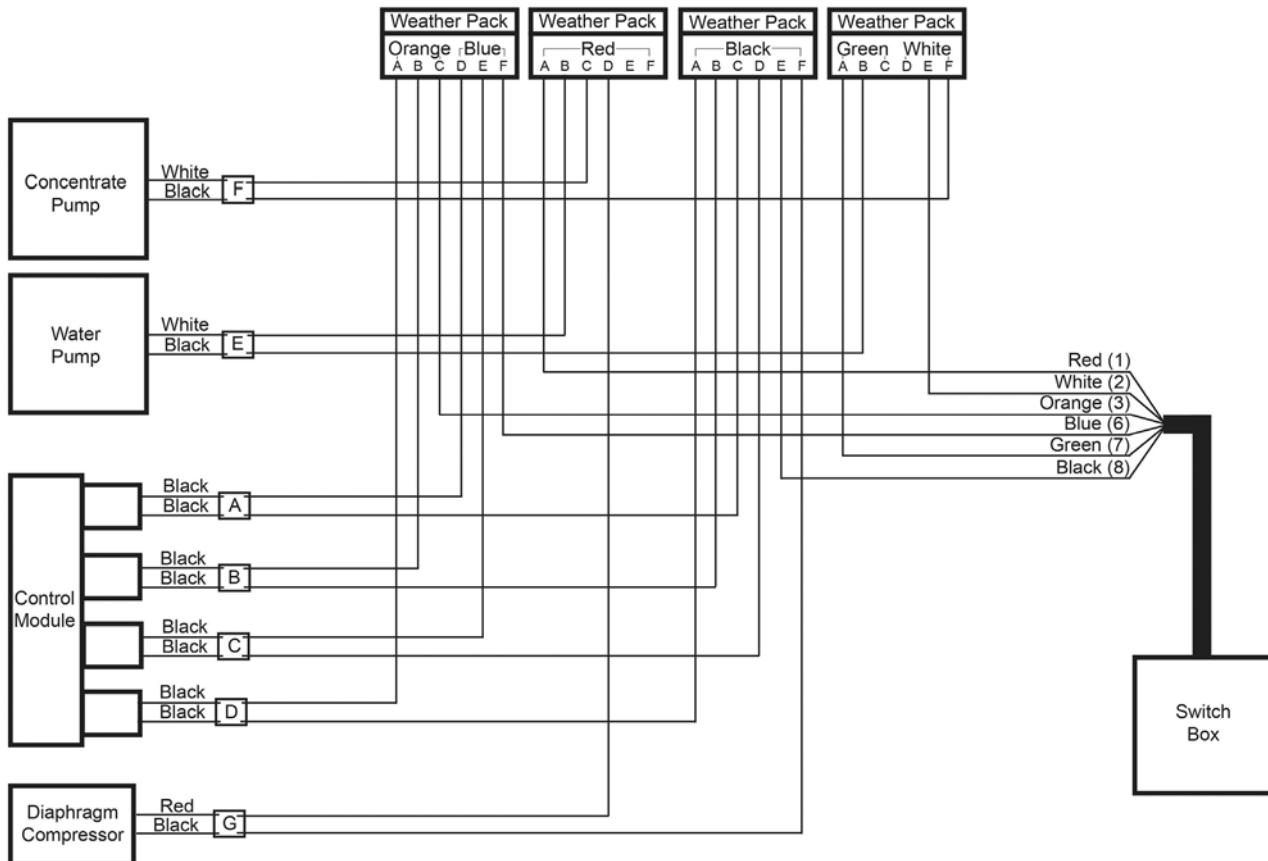


FIGURE 10 - Versa Trac Tank Components

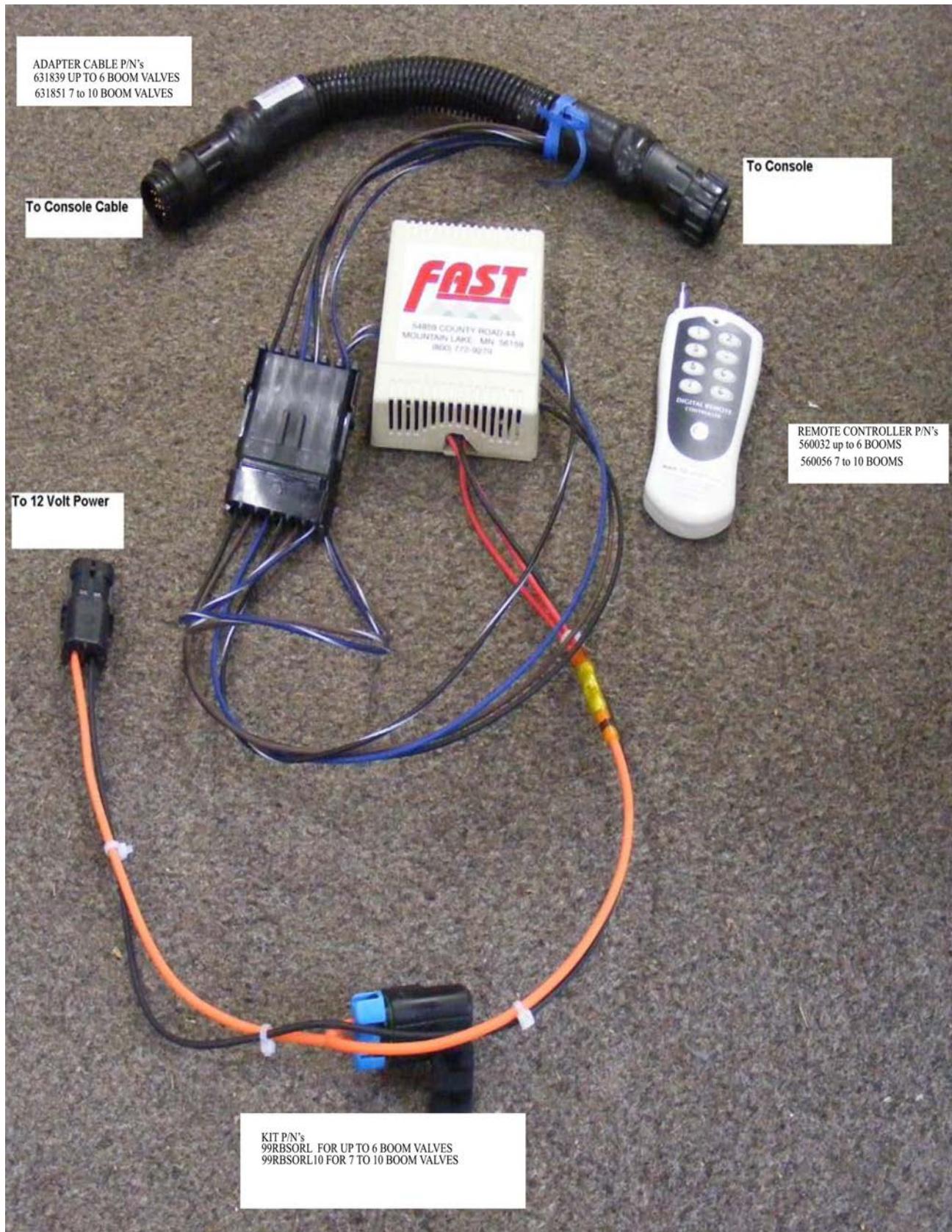
APPENDIX 4





ILLUSTRATED PARTS LIST

Remote Boom Shut Off Kit (6 Section Shown)





**FAST GLOBAL
SOLUTIONS**

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1-507-427-3030 Fax
www.fastsprayers.com