

# FAST™

## AG SOLUTIONS



### A18 / A26 - 60'/66'

## LIQUID FERTILIZER APPLICATOR

### PARTS MANUAL - 2018





**FAST GLOBAL**  
**SOLUTIONS**



# 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.



# ILLUSTRATED PARTS LIST

## FAST LIQUID FERTILIZER APPLICATOR

Warranty Registration Form & Inspection Report

Warranty Registration

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

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

### DEALER INSPECTION REPORT

- All Fasteners Tight
- Wheel Bolts Torqued
- Hydraulic Hoses and Fittings Free and Tight
- Fertilizer Hoses and Fittings Free and Tight
- Wheel Drive Turns Freely
- Lubricate Machine
- Check Tire Pressure
- Frame and Wings Level
- Monitors and Controllers Function
- Wiring Harness Connected

### SAFETY

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

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

Date \_\_\_\_\_

Dealer's Rep. Signature \_\_\_\_\_

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

Date \_\_\_\_\_

Owner's Signature \_\_\_\_\_

White - FAST  
Yellow - Dealer  
Pink - Customer



# ILLUSTRATED PARTS LIST

## FAST A18 / A26 Series Applicator

APPLICATOR SERIAL NUMBER \_\_\_\_\_

DATE PURCHASED \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

TANK SIZE \_\_\_\_\_

NUMBER OF COULTERS \_\_\_\_\_

PUMP MANUFACTURER:

(CIRCLE ONE)

ACE FMC205-304

ACE FMC650

ACE FMC750

Hypro 9306HM1C-U

HYPRO 9306C-HM1C-U



# ILLUSTRATED PARTS LIST

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# ILLUSTRATED PARTS LIST

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## General Information

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

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

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

## 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

## Table of Contents

| <b>Section</b>   | <b>Page</b> |
|--|-------------|
| Table of Contents .....                                      | 6           |
| Base - A Series .....  | 10          |
| Trailer Hardware Assembly .....                              | 14          |
| Tank Support Assembly .....                                  | 18          |
| Frame Assembly .....   | 20          |
| Wing Rest Cradle Assembly .....                              | 22          |
| Axle Adjust Assembly, Diamond Tire .....                     | 24          |
| Q981 Hub Assembly .....                                      | 26          |
| Single Axle Adjust 15k, 62"-120" .....                       | 28          |
| Single Axle Adjust 15k, 72"-144" .....                       | 30          |
| Single Axle Adjust, Metric, 18.5k, 45cm - 76cm Spacing ..... | 32          |
| N873 Hub Assembly 10 Bolt .....                              | 34          |
| Single Adjust Axle 20k, 88"-144" .....                       | 36          |
| Single Axle Adjust, Metric 20k 45cm - 76cm Spacing .....     | 38          |
| Axle Adjust, Duals, 45/76CM, 80/132", 84/144" .....          | 40          |
| Axle Adjust, Duals, 62.5/120", 80/120", 88/132" .....        | 42          |
| Axle Adjust, Duals, Metric, 50cm-76cm .....                  | 44          |
| Q881 Hub Assembly, 10 Bolt .....                             | 46          |
| 4 Inch Axle Spacer .....                                     | 48          |
| Tire and Rim .....   | 50          |
| Adjustable Track Axle .....                                  | 52          |
| Camso Tracks .....   | 54          |
| 1800 Gallon Tank .....                                       | 56          |
| 2650 Gallon Tank .....                                       | 58          |
| Tank Support Assembly .....                                  | 60          |
| 1800 and 2650 Gallon Tank Fittings .....                     | 62          |
| 60 Foot Bare Toolbar Assembly .....                          | 64          |
| 66 Foot Bare Toolbar Assembly .....                          | 72          |
| Standard Hydraulics Assembly .....                           | 80          |
| Standard Hydraulics Assembly .....                           | 82          |
| Inner Fold Cylinder .....                                    | 84          |
| Hydraulic Fitting Locations .....                            | 86          |
| Main Lift Hydraulics .....                                   | 90          |
| Inner Wing Hydraulics .....                                  | 92          |
| Inner Wing Kick Hydraulics .....                             | 94          |
| Main Fold Hydraulics .....                                   | 96          |
| Flip Wing Hydraulics .....                                   | 98          |
| Latch Cylinders Hydraulics .....                             | 100         |
| Fasse Block Hydraulics .....                                 | 102         |
| Product Pump Hydraulics .....                                | 104         |
| Helper Cylinders Assembly .....                              | 106         |
| Helper Cylinder Hydraulics .....                             | 108         |
| Toolbar Decals .....   | 110         |
| Main Lift and Helper Cylinders .....                         | 112         |
| Non-Folding Gauge Wheels 60' .....                           | 114         |
| Gauge Wheel .....  | 116         |
| Q736 Hub Assembly, 5 Bolt .....                              | 118         |
| Folding Gauge Wheels (Hydraulic) - 60' .....                 | 120         |



# ILLUSTRATED PARTS LIST

|   |     |
|---|-----|
| Folding Gauge Wheel Assembly .....                      | 122 |
| 60' Hydraulic Folding Gauge Wheel Assembly .....        | 124 |
| 60' Hydraulic Folding Gauge Wheel Hoses .....           | 125 |
| Non-Folding Gauge Wheels - 66' .....                    | 126 |
| Non-Folding Tall Gauge Wheels - 66' .....               | 128 |
| Folding Gauge Wheels (Hydraulic) - 66' .....            | 130 |
| Folding Gauge Wheels Hydraulic Assembly 66' .....       | 131 |
| 66 Foot Folding Gauge Wheel Hydraulics .....            | 132 |
| Arm Assembly, Pivot Gauge Wheel .....                   | 133 |
| Folding Gauge Wheels (Hydraulic) - 60' .....            | 134 |
| Flip Wing Coulter Parts .....                           | 136 |
| Main Wing Coulter Parts .....                           | 138 |
| Center Section Coulter Parts .....                      | 140 |
| Coulter Orientation .....                               | 142 |
| AP Coulter Upper Mount Assembly (Cast) .....            | 144 |
| AP Coulter Assembly .....                               | 146 |
| N669 Hub Assembly, 4 Bolt .....                         | 148 |
| AP Coulter and Blade .....                              | 150 |
| Hardware Kit, Coulter Mount .....                       | 152 |
| Hawkeye End Coulter Assembly .....                      | 154 |
| No Agitation .....                                      | 156 |
| Tank Agitation Fittings .....                           | 158 |
| Electric Agitation .....                                | 160 |
| Manual Agitation (Hi Volume) .....                      | 162 |
| Eductor - Applicator .....                              | 164 |
| Eductor Assembly .....                                  | 166 |
| Eductor .....   | 168 |
| Raven Butterfly Valve .....                             | 170 |
| Non-Steerable Gooseneck .....                           | 172 |
| Steerable Gooseneck .....                               | 174 |
| Steerable Gooseneck .....                               | 176 |
| Raven Steerable Applicator Kit .....                    | 178 |
| Raven Steering Valve .....                              | 180 |
| Steerable Gooseneck Hydraulics .....                    | 182 |
| 3"- 2" Quick Fill Adapter .....                         | 184 |
| Standard 3" Quick Fill .....                            | 186 |
| 3" Quick Fill Valve Assembly .....                      | 188 |
| 3" Quick Fill with Strainer .....                       | 190 |
| Standard Product Plumbing Assembly .....                | 192 |
| Pump Assembly, HYPRO 9306C-HM1C (Cast) .....            | 194 |
| HYPRO Pump 9306C-HM1C (Cast) .....                      | 196 |
| Pump Assembly, HYPRO 9306C-HM1S (Stainless Steel) ..... | 200 |
| HYPRO Pump 9306C-HM1S (Stainless Steel) .....           | 202 |
| Pump Assembly, ACE FMCS205-HYD-304 PWM .....            | 206 |
| Pump Assembly, ACE FMCS205-HYD-304 .....                | 208 |
| ACE Pump, ACE FMCS205-HYD-304 .....                     | 210 |
| Pump Assembly, ACE FMC-650-HYD .....                    | 212 |
| ACE Pump, FMC-650-HYD .....                             | 214 |
| Pump Assembly, ACE FMC-750-HYD .....                    | 216 |
| No Flip Wing Down Pressure .....                        | 218 |
| Flip Wing Down Pressure .....                           | 220 |
| Flip Wing Down Pressure Hydraulics .....                | 222 |



# ILLUSTRATED PARTS LIST

|  |     |
|--|-----|
| Hydraulic Diagram .....                      | 226 |
| CR7 Display .....                            | 228 |
| Raven 450 Controller .....                   | 230 |
| Raven RCM Controller .....                   | 232 |
| JD RC2000 Controller .....                   | 234 |
| Customer Supplied JD RC2000 Controller ..... | 236 |
| Customer Supplied Rate Controller .....      | 238 |
| Pressure Transducer Raven 450 .....          | 240 |
| Pressure Gauge .....                         | 241 |
| Pressure Transducer ISO .....                | 242 |
| Raven Hawkeye Flow Control .....             | 244 |
| Raven Hawkeye Flow Control .....             | 246 |
| Raven Hawkeye Flow Control .....             | 248 |
| RFM 60 Flow Meter .....                      | 250 |
| 3 Section Plumbing .....                     | 252 |
| Flip Fertilizer Assembly .....               | 254 |
| 5 & 6 Section Plumbing .....                 | 256 |
| 5 & 6 Section Plumbing .....                 | 258 |
| Wilger Monitors Assembly, 23 Row .....       | 260 |
| Wilger Monitors, 23 Row .....                | 264 |
| Wilger Monitors, 25 Row .....                | 266 |
| Varitarget Nozzles, .5 Rate .....            | 268 |
| Varitarget Nozzles, 1.5 Rate .....           | 270 |
| Raven Components .....                       | 272 |
| Control Harness 155-0171-085 .....           | 274 |
| Control Harness 155-0159-856 .....           | 275 |
| Control Harness 155-0171-086 .....           | 276 |
| Wiring Harness .....                         | 277 |
| Harness Connector .....                      | 278 |
| Hydraulic Block Assembly .....               | 280 |
| Hydraulic Block .....                        | 282 |
| Fasse Block Harness Block Assembly .....     | 284 |
| Switch Box .....                             | 286 |
| Switch Box .....                             | 288 |
| Control Box Operation and Pin-out .....      | 290 |
| Switch Box Harness .....                     | 292 |
| Fold Protection Harness .....                | 294 |
| Fold Protection Harness .....                | 296 |
| Lighting and Marking Assembly - 2018 .....   | 298 |

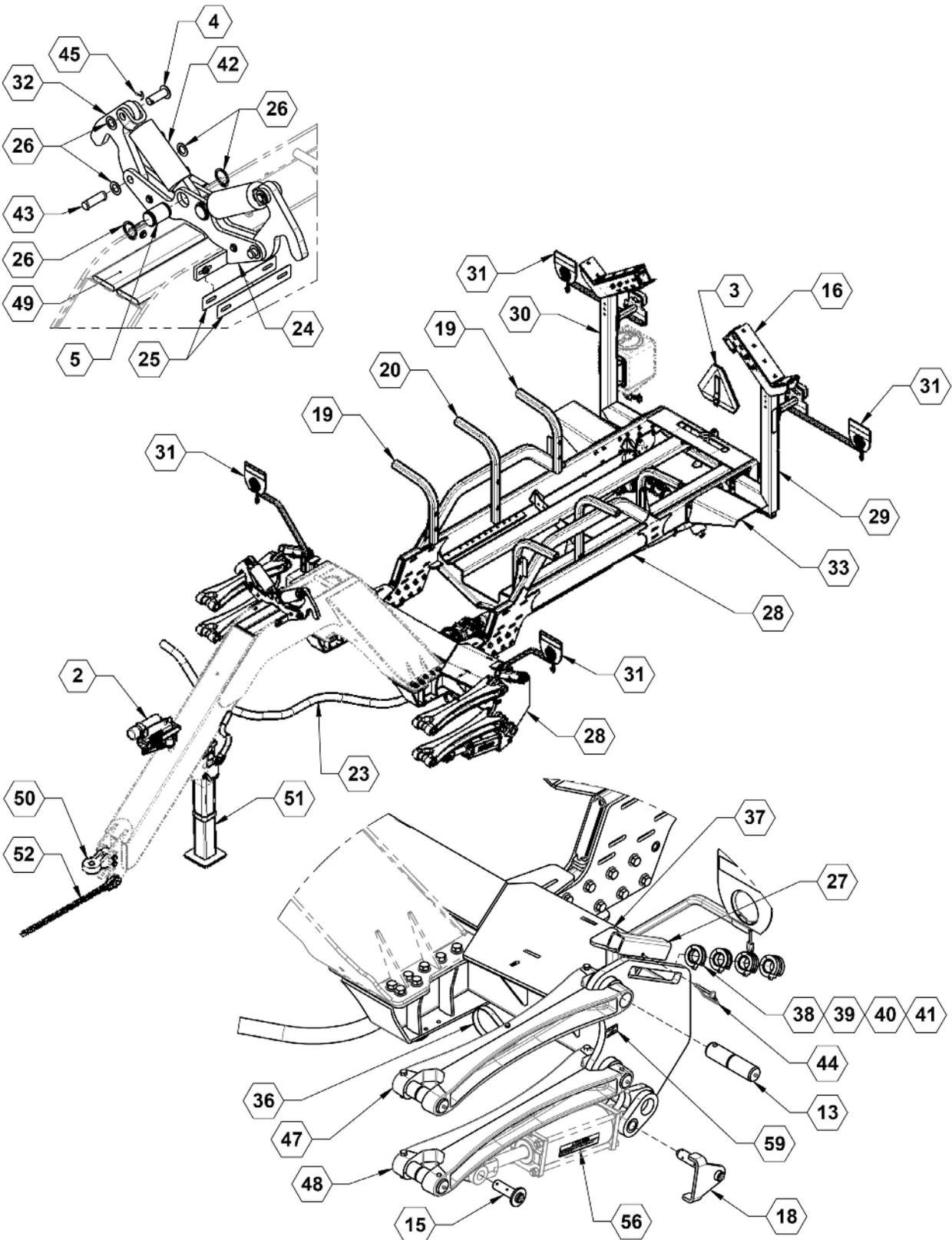


# ILLUSTRATED PARTS LIST

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## Base - A Series



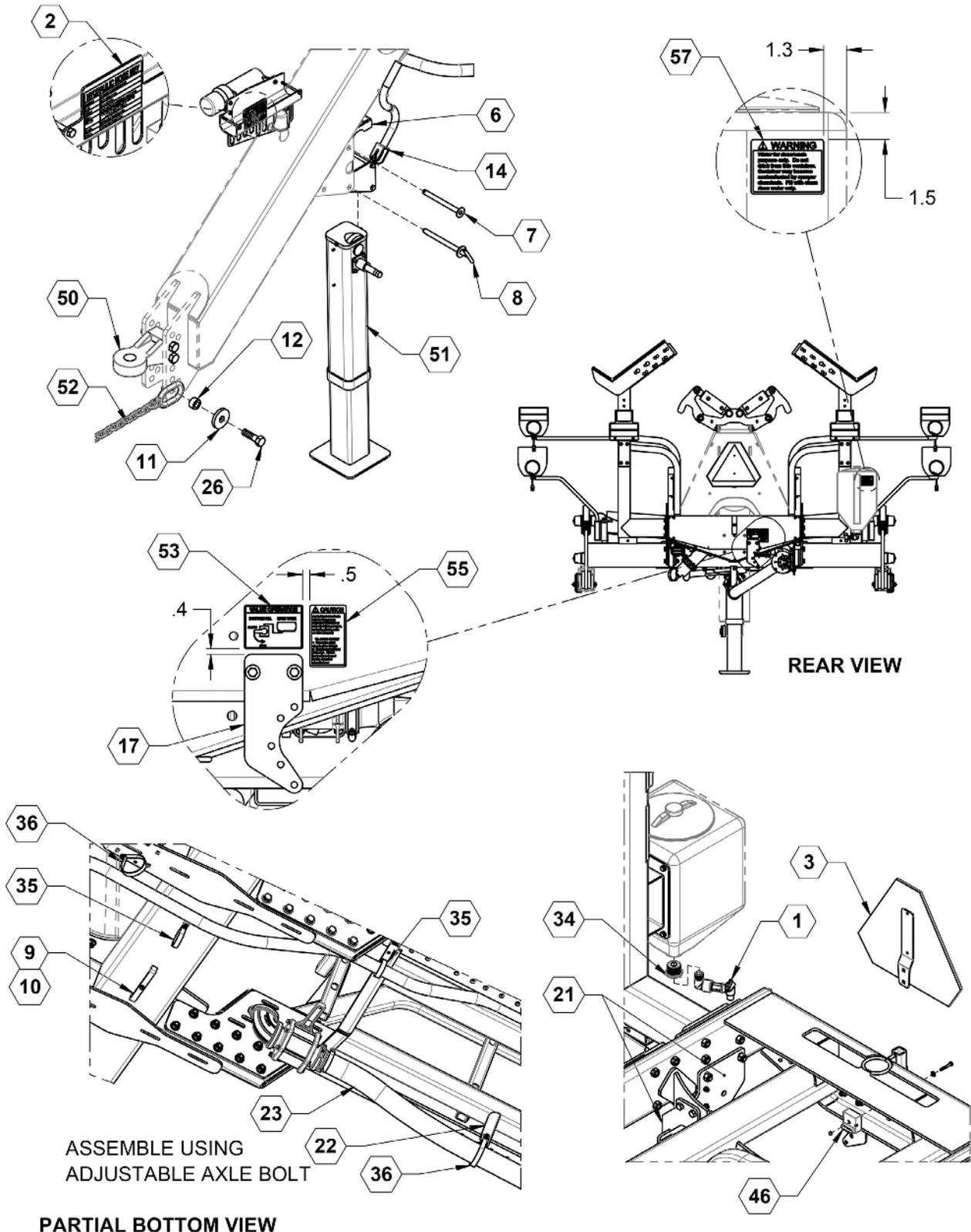


# ILLUSTRATED PARTS LIST

## Base - A Series Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                              |
|------|----------|------|--|
| 2    | 90SAHMH  | 1    | HOSE/MANUAL HOLDER                       |
| 3    | 90SASMV  | 1    | SMV ASSEMBLY                             |
| 4    | 11629    | 2    | CRADLE CYLINDER PIN                      |
| 5    | 15179    | 2    | PIN, LATCH CYL BASE                      |
| 13   | 15848    | 8    | PIN, CAST LIFTARM                        |
| 15   | 21822    | 2    | PIN WLDMT, ROD END MAIN LIFT             |
| 16   | 21995    | 2    | SUBASSY, WING REST CRADLE                |
| 18   | 23385    | 2    | PIN WLDMT, MAIN LIFT                     |
| 19   | 26954    | 4    | TUBE, SUPPORT, FENDER                    |
| 20   | 26955    | 2    | TUBE, SUPPORT FENDER MID                 |
| 24   | 27211    | 1    | WLDMNT, TRANSPORT LATCH                  |
| 25   | 27213    | 4    | PLATE, TRANSPORT LATCH SHIM              |
| 26   | 27268    | 1    | KIT, BASE TRAILER HARDWARE               |
| 27   | 27676    | 2    | CYLINDER STOP 10" STROKE                 |
| 28   | 27875    | 1    | ASSEMBLY, CART, BOLT TOGETHER            |
| 29   | 27877    | 1    | WLDMT, WING REST                         |
| 30   | 27878    | 1    | WLDMT, WING REST RH                      |
| 31   | 27880    | 1    | ASSY, LIGHTING AND MARKING               |
| 32   | 27908    | 2    | PLATE, TRANSPORT LATCH ARM               |
| 33   | 27920    | 2    | WLDMNT, TANK SIDE SUPPORT                |
| 36   | 540053   | 4    | P-CLAMP, 4" W/3/8" HOLE                  |
| 37   | 590023   | 2    | TAB, HOLD DOWN                           |
| 38   | 590205   | 2    | CYLINDER STOP, 3/4"                      |
| 39   | 590206   | 2    | CYLINDER STOP, 1"                        |
| 40   | 590207   | 2    | CYLINDER STOP, 1-1/4"                    |
| 41   | 590208   | 2    | CYLINDER STOP, 1-1/2"                    |
| 42   | 620026   | 2    | CYLINDER 3X4 CUSTOM WING LATCH           |
| 43   | 620072   | 1    | PIN, CYLINDER, 1" X 3-3/8", KIT PKG OF 2 |
| 44   | 720001   | 2    | SNAP PIN, 5/16                           |
| 45   | 730033   | 2    | COTTER PIN, N669, 4-BOLT                 |
| 47   | 750051M  | 2    | UPPER LIFTARM CASTING                    |
| 48   | 750052M  | 2    | LOWER LIFTARM CASTING                    |
| 49   | 790018   | 1    | HOSE SLEEVE X 14FT                       |
| 50   | 790040   | 1    | HITCH CAT 4 BLACK ARTICULATING           |
| 51   | 790045   | 1    | JACK, JOST, 25,000 LB LIFTING            |
| 52   | 790050   | 1    | SAFETY CHAIN, 30,000 LB                  |
| 56   | 800107   | 2    | DECAL, WARNING-AVOID CRUSHING            |
| 59   | 800287   | 2    | DECAL, GREASE PIVOT POINTS               |

## Base - A Series





## ILLUSTRATED PARTS LIST

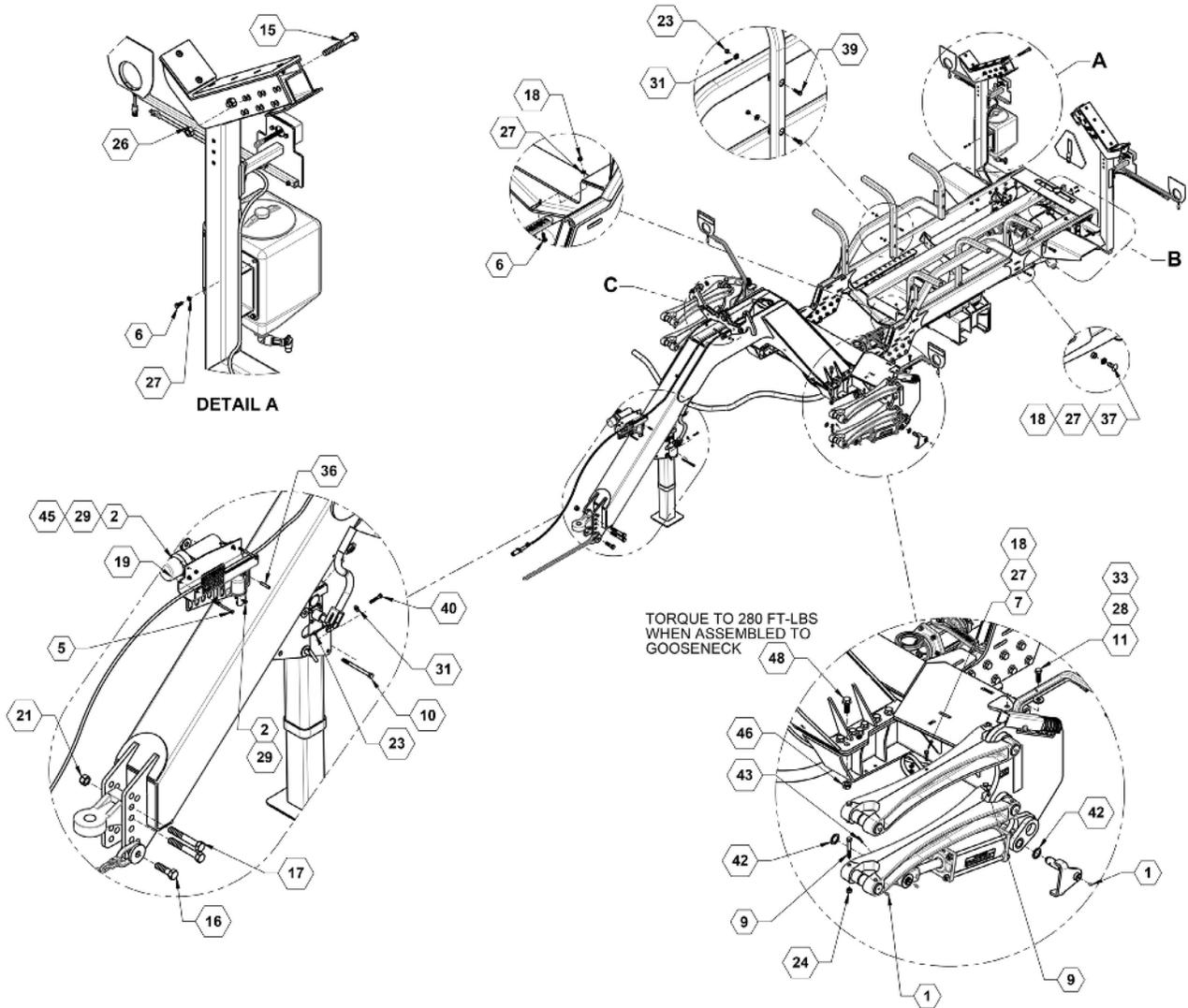
### Base - A Series Parts List

| ITEM | PART NO.  | QTY. | DESCRIPTION                      |
|------|-----------|------|----------------------------------|
| 1    | 90SAFCHWF | 1    | FC HAND WASH FAUCET ASSY         |
| 2    | 90SAHMH   | 1    | HOSE/MANUAL HOLDER               |
| 3    | 90SASMV   | 1    | SMV ASSEMBLY                     |
| 6    | 15430     | 1    | JACK HOLDER WELDMENT             |
| 7    | 15437     | 1    | PIN, JACK LINKAGE                |
| 8    | 15440     | 1    | PIN, JACK LOCK                   |
| 9    | 15558     | 1    | BRACKET, HOSE                    |
| 10   | 15566     | 1    | SPACER, HOSE BRACKET             |
| 11   | 15829     | 1    | WASHER PLATE, SAFETY CHAIN       |
| 12   | 15835     | 1    | BUSHING, SAFETY CHAIN SPACER     |
| 14   | 17846     | 1    | JACK CRANK WLDMT                 |
| 17   | 22253     | 1    | PLATE, QUICK FILL VALVE MOUNT    |
| 22   | 26975     | 1    | WLDMNT, HOSE MOUNT               |
| 23   | 26982     | 1    | ASSY, STD PRODUCT PLUMBING       |
| 26   | 27268     | 1    | KIT, BASE TRAILER HARDWARE       |
| 34   | 530143    | 1    | REDUCER, 1-1/4" MPT X3 /4" FPT   |
| 35   | 540052    | 5    | P-CLAMP, 3" W/3/8" HOLE          |
| 36   | 540053    | 4    | P-CLAMP, 4" W/3/8" HOLE          |
| 46   | 740031    | 1    | LIGHT MODULE, SAFETY FLASHER     |
| 50   | 790040    | 1    | HITCH CAT 4 BLACK ARTICULATING   |
| 51   | 790045    | 1    | JACK, JOST, 25,000 LB LIFTING    |
| 52   | 790050    | 1    | SAFETY CHAIN, 30,000 LB          |
| 53   | 800017    | 1    | DECAL, MAIN TANK VALVE OPERATION |
| 55   | 800101    | 1    | DECAL, CAUTION-AG CHEMICAL       |
| 57   | 800108    | 1    | DECAL, WARNING-RINSE TANK        |



# ILLUSTRATED PARTS LIST

## Trailer Hardware Assembly



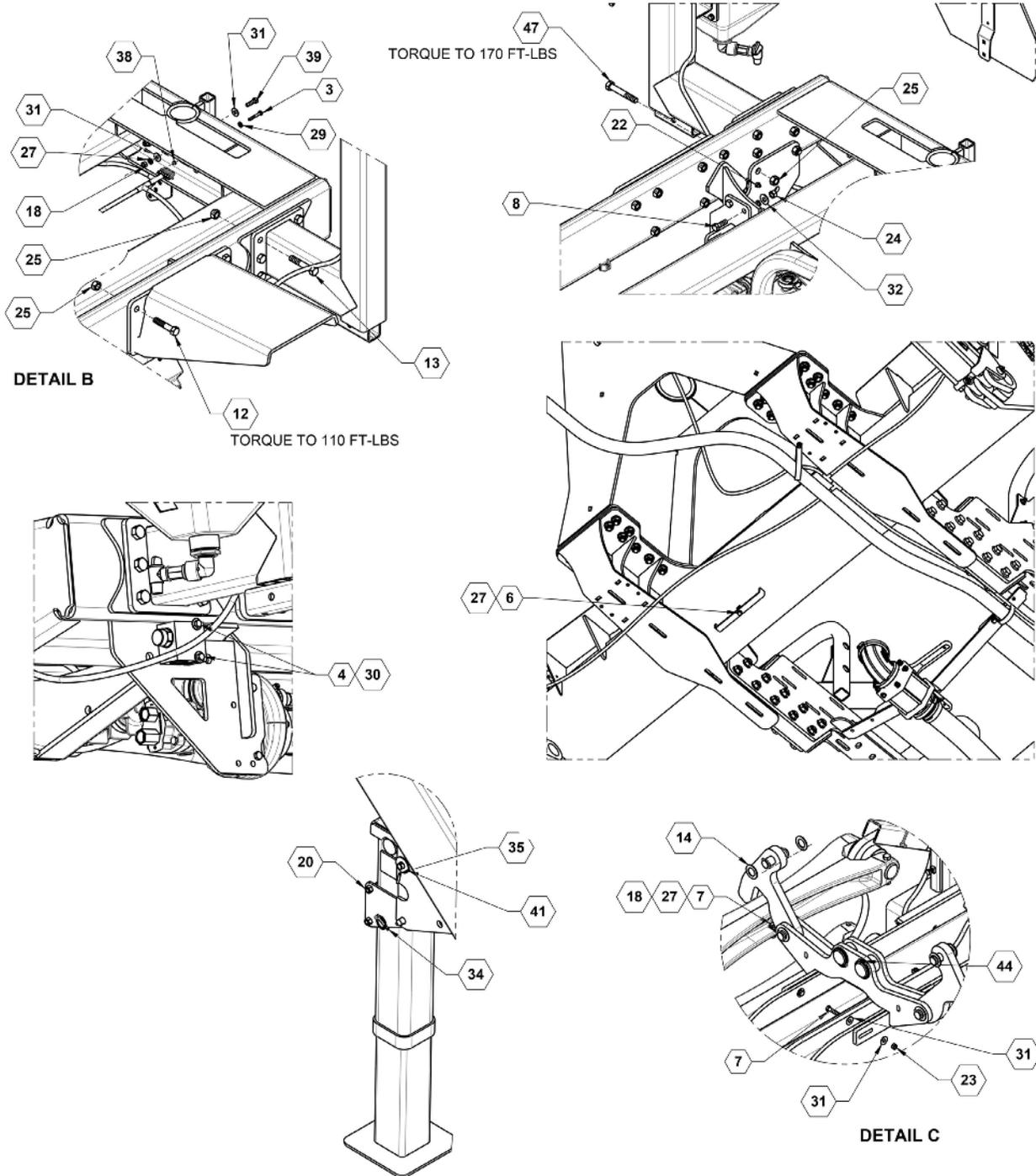


# ILLUSTRATED PARTS LIST

## Trailer Hardware Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                            |
|------|----------|------|--|
| 1    | 759      | 12   | ZERK, 1/4-28 STRAIGHT                  |
| 2    | 596101M  | 5    | BOLT, HH 1/4-20X3/4 GR5 MAGNI          |
| 5    | 596122M  | 2    | BOLT, HEX 5/16X4-1/2" GR5 MAGNI        |
| 6    | 596128M  | 11   | BOLT, HH 3/8-16 X 1 GR5 MAGNI          |
| 7    | 596129M  | 8    | BOLT, HH 3/8-16X1-1/2 GR5 MAGNI        |
| 9    | 596157M  | 8    | BOLT, HH 1/2X3-1/2 GR5 MAGNI           |
| 10   | 596163M  | 2    | BOLT, HH 1/2X6-1/2 GR5 MAGNI           |
| 11   | 596170M  | 2    | BOLT, HH 5/8-11X2 GR5 MAGNI            |
| 15   | 596192M  | 4    | BOLT, HH 3/4-10X6 GR5 MAGNI            |
| 16   | 596201M  | 1    | BOLT, HEX 1-8X3-1/2 GR5 MAGNI          |
| 17   | 596208M  | 2    | BOLT, HH 1-8X6-3/4 GR5 MAGNI           |
| 18   | 596213M  | 10   | NUT, HEX 3/8-16 MAGNI                  |
| 19   | 596228M  | 2    | NUT, HEX NYLOCK 5/16-18 MAGNI          |
| 21   | 596234M  | 3    | NUT, HEX NYLOCK 1-8 MAGNI              |
| 23   | 596237M  | 19   | NUT, CENTERLOCK 3/8-16 MAGNI           |
| 24   | 596239M  | 10   | NUT, CENTERLOCK, 1/2-13 MAGNI          |
| 26   | 596241M  | 4    | NUT, CENTERLOCK 3/4-10 MAGNI           |
| 27   | 596250M  | 17   | LOCKWASHER 3/8 MAGNI                   |
| 28   | 596253M  | 2    | LOCKWASHER 5/8 MAGNI                   |
| 29   | 596256M  | 6    | WASHER, FLAT 1/4 USS MAGNI             |
| 31   | 596258M  | 26   | WASHER, FLAT 3/8 MAGNI                 |
| 33   | 596261M  | 2    | WASHER, FLAT 5/8 MAGNI                 |
| 36   | 596300M  | 1    | SPRING PIN, 3/8 X 2 MAGNI              |
| 37   | 596592M  | 2    | BOLT, CARRIAGE 3/8-16 X 1 MAGNI        |
| 39   | 596635M  | 14   | BOLT, HH 3/8-16 x 1-1/4 MAGNI          |
| 40   | 596636M  | 1    | BOLT, HH 3/8-16X2-1/4 GR5 MAGNI        |
| 42   | 596744M  | 4    | BUSHING, MACHINED, 1-1/4 x 14 GA MAGNI |
| 43   | 596746M  | 4    | SPRING PIN 5X50mm MAGNI                |
| 45   | 596767M  | 5    | NUT, HEX FLANGE 1/4-20 MAGNI           |
| 46   | 596775M  | 28   | NUT, HEX FLANGE 3/4-10 GR8 MAGNI       |
| 48   | 596814M  | 28   | BOLT, HEX FLANGE 3/4-10 X 2 GR 8 MAGNI |

## Trailer Hardware Assembly





## ILLUSTRATED PARTS LIST

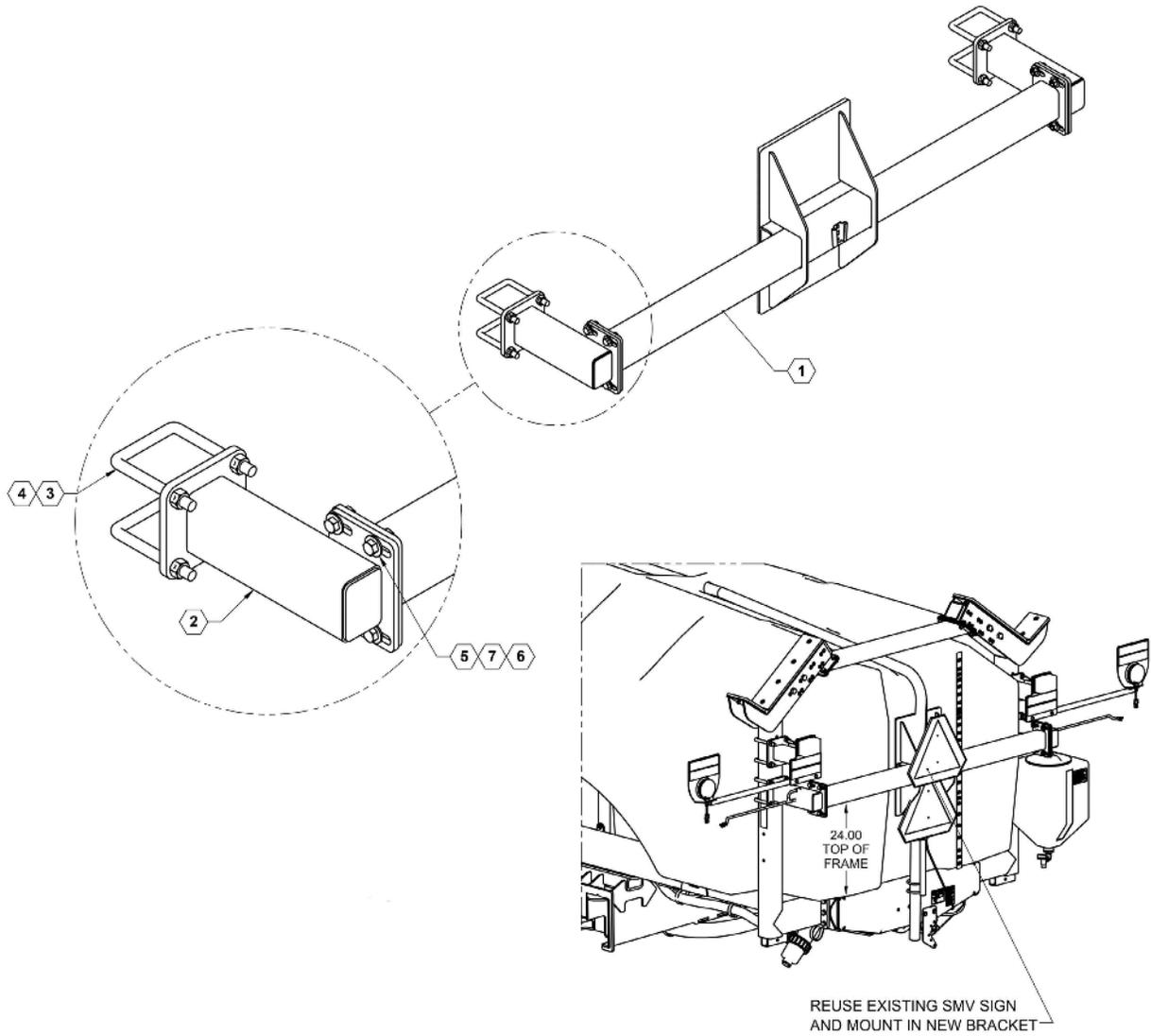
### Trailer Hardware Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                       |
|------|----------|------|-----------------------------------|
| 3    | 596104M  | 1    | BOLT, HH 1/4-20X1-3/4 GR5 MAGNI   |
| 4    | 596119M  | 2    | BOLT, HH 5/16-18X3 GR5 MAGNI      |
| 6    | 596128M  | 11   | BOLT, HH 3/8-16 X 1 GR5 MAGNI     |
| 7    | 596129M  | 8    | BOLT, HH 3/8-16X1-1/2 GR5 MAGNI   |
| 8    | 596153M  | 2    | BOLT, HH 1/2-13X1-1/2 GR5 MAGNI   |
| 12   | 596173M  | 12   | BOLT, HEX 5/8 X 3 MAGNI           |
| 13   | 596175M  | 10   | BOLT, HH 5/8-11X3-1/2 GR8 MAGNI   |
| 14   | 596179M  | 8    | BUSHING, MACHINED 1" X 14GA MAGNI |
| 18   | 596213M  | 10   | NUT, HEX 3/8-16 MAGNI             |
| 20   | 596231M  | 2    | NUT, HEX NYLOCK 1/2-13 MAGNI      |
| 22   | 596236M  | 2    | NUT, CENTERLOCK, 5/16-18 MAGNI    |
| 23   | 596237M  | 19   | NUT, CENTERLOCK 3/8-16 MAGNI      |
| 24   | 596239M  | 10   | NUT, CENTERLOCK, 1/2-13 MAGNI     |
| 25   | 596240M  | 24   | NUT, CENTERLOCK, 5/8-11 MAGNI     |
| 27   | 596250M  | 17   | LOCKWASHER 3/8 MAGNI              |
| 29   | 596256M  | 6    | WASHER, FLAT 1/4 USS MAGNI        |
| 30   | 596257M  | 2    | WASHER, FLAT 5/16 USS MAGNI       |
| 31   | 596258M  | 26   | WASHER, FLAT 3/8 MAGNI            |
| 32   | 596260M  | 2    | WASHER, FLAT 1/2 MAGNI            |
| 34   | 596296M  | 1    | LYNCH PIN, 1/4 X 1-3/4 MAGNI      |
| 35   | 596299M  | 1    | ROLL PIN, 1/4 X 1-1/2"            |
| 38   | 596622M  | 1    | NUT, TOPLOCK 1/4-20 MAGNI         |
| 39   | 596635M  | 14   | BOLT, HH 3/8-16 x 1-1/4 MAGNI     |
| 41   | 596738M  | 1    | MACHINED BUSHING 3/4" 10GA        |
| 44   | 596747M  | 4    | SNAP RING, 2" MAGNI               |
| 47   | 596800M  | 2    | BOLT, HH 5/8-11 X 4 GR8 MAGNI     |



# ILLUSTRATED PARTS LIST

## Tank Support Assembly



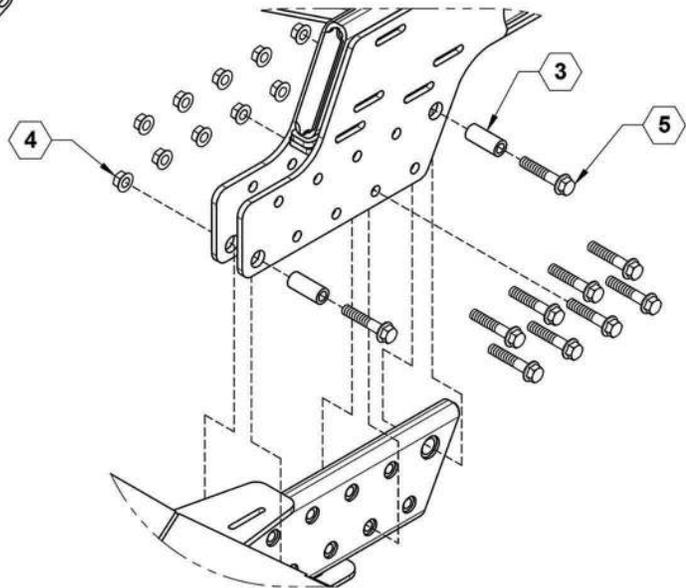
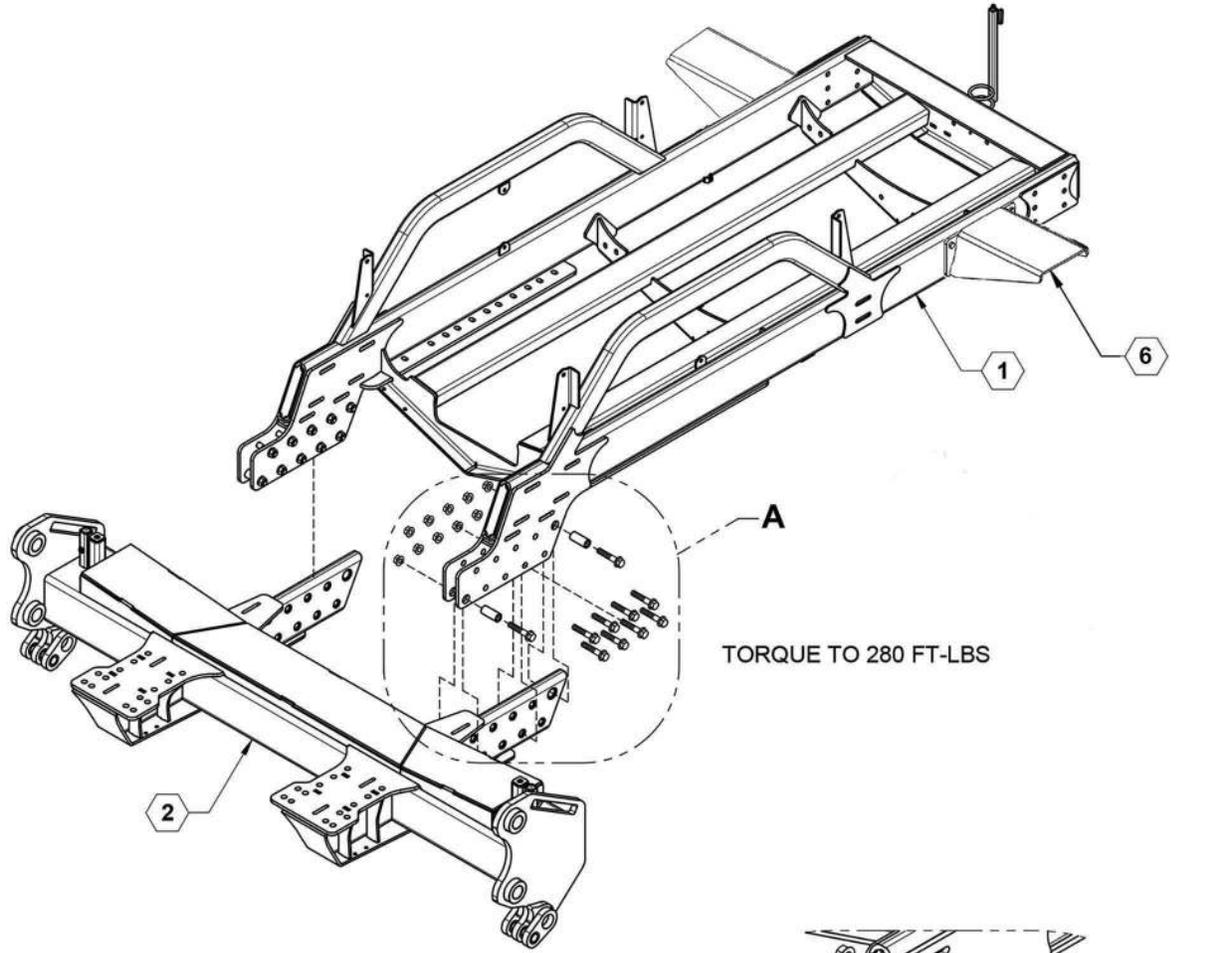


## ILLUSTRATED PARTS LIST

### Tank Support Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                     |
|------|----------|------|---------------------------------|
| 1    | 27726    | 1    | SUPPORT REAR                    |
| 2    | 27727    | 2    | SUPPORT STANDOFF                |
| 3    | 596776M  | 4    | U-BOLT, 5/8 X 4 X 5-3/4 MAGNI   |
| 4    | 596240M  | 8    | NUT, CENTERLOCK, 5/8-11 MAGNI   |
| 5    | 596260M  | 16   | WASHER, FLAT 1/2 MAGNI          |
| 6    | 596239M  | 8    | NUT, CENTERLOCK, 1/2-13 MAGNI   |
| 7    | 596153M  | 8    | BOLT, HH 1/2-13X1-1/2 GR5 MAGNI |

## Frame Assembly



DETAIL A

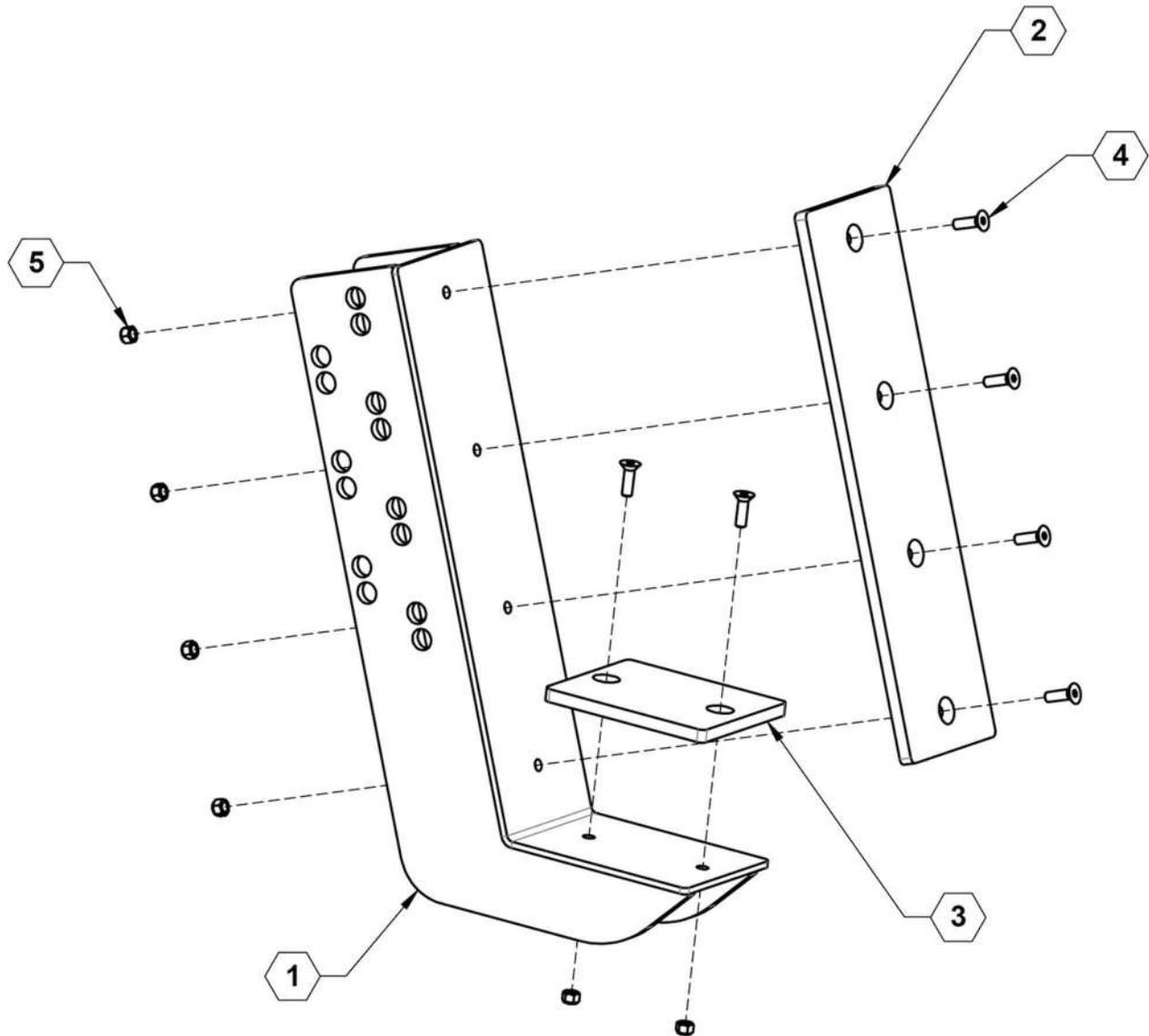


## ILLUSTRATED PARTS LIST

### Frame Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 21946    | 1    | REAR CART, 2018                       |
| 1    | 27876    | 1    | REAR CART, 2019                       |
| 2    | 21972    | 1    | LIFT ARM MOUNT                        |
| 3    | 21991    | 4    | LONG TUBE SPACER MOUNT                |
| 4    | 596775M  | 20   | NUT, HEX FLANGE 3/4-10 GR8 MAGNI      |
| 5    | 596815M  | 20   | BOLT, HEX FLANGE 3/4-10 X 4 GR8 MAGNI |

## Wing Rest Cradle Assembly





## ILLUSTRATED PARTS LIST

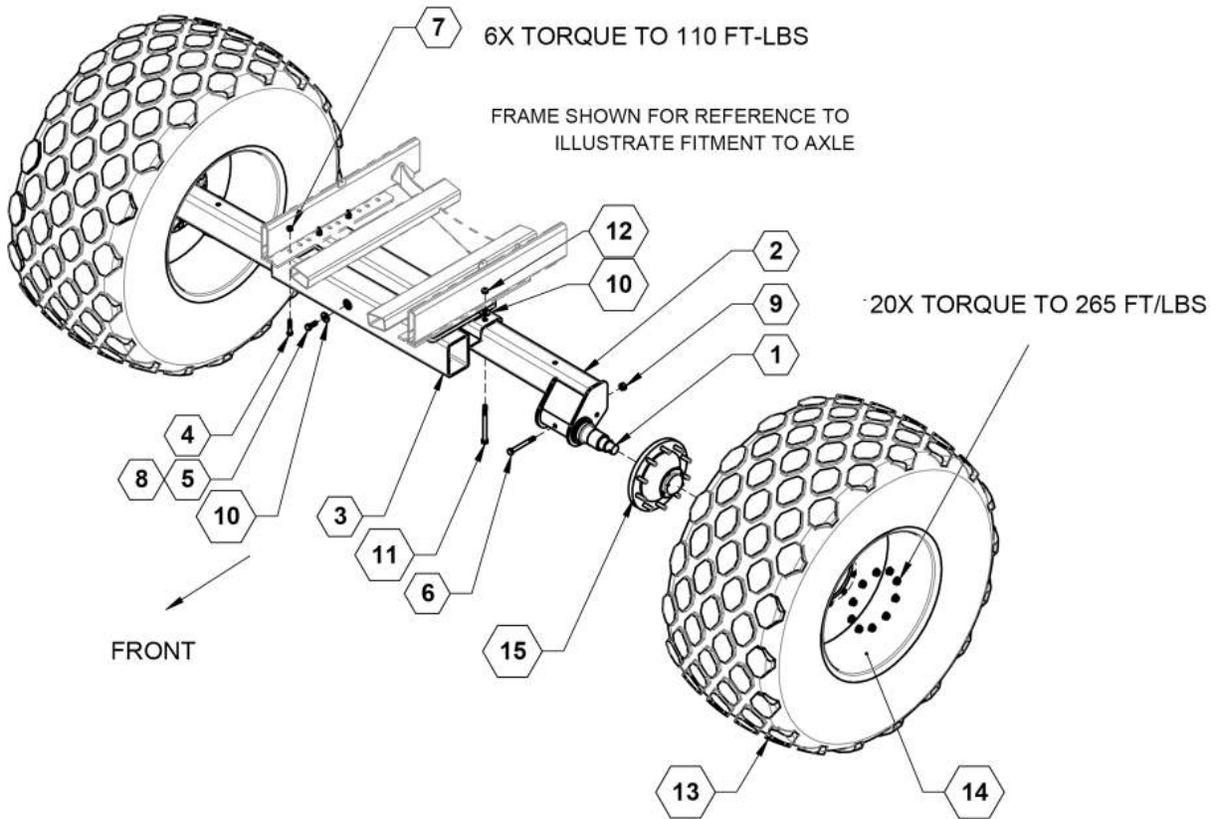
### Wing Rest Cradle Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                  |
|------|----------|------|------------------------------|
| 1    | 21994    | 1    | WING REST CRADLE             |
| 2    | 26019    | 1    | UHMW TOOLBAR REST            |
| 3    | 26020    | 1    | UHMW TOOLBAR REST SMALL      |
| 4    | 596726M  | 6    | FHSCS 3/8-16 X 1-1/4 MAGNI   |
| 5    | 596229M  | 6    | NUT, HEX NYLOCK 3/8-16 MAGNI |

## Axle Adjust Assembly, Diamond Tire

NOTES:

1. BOLTS TO BE INSTALLED IN ORIENTATION SHOWN
2. BOLTS TO BE TIGHTENED WITH 1/2" IMPACT



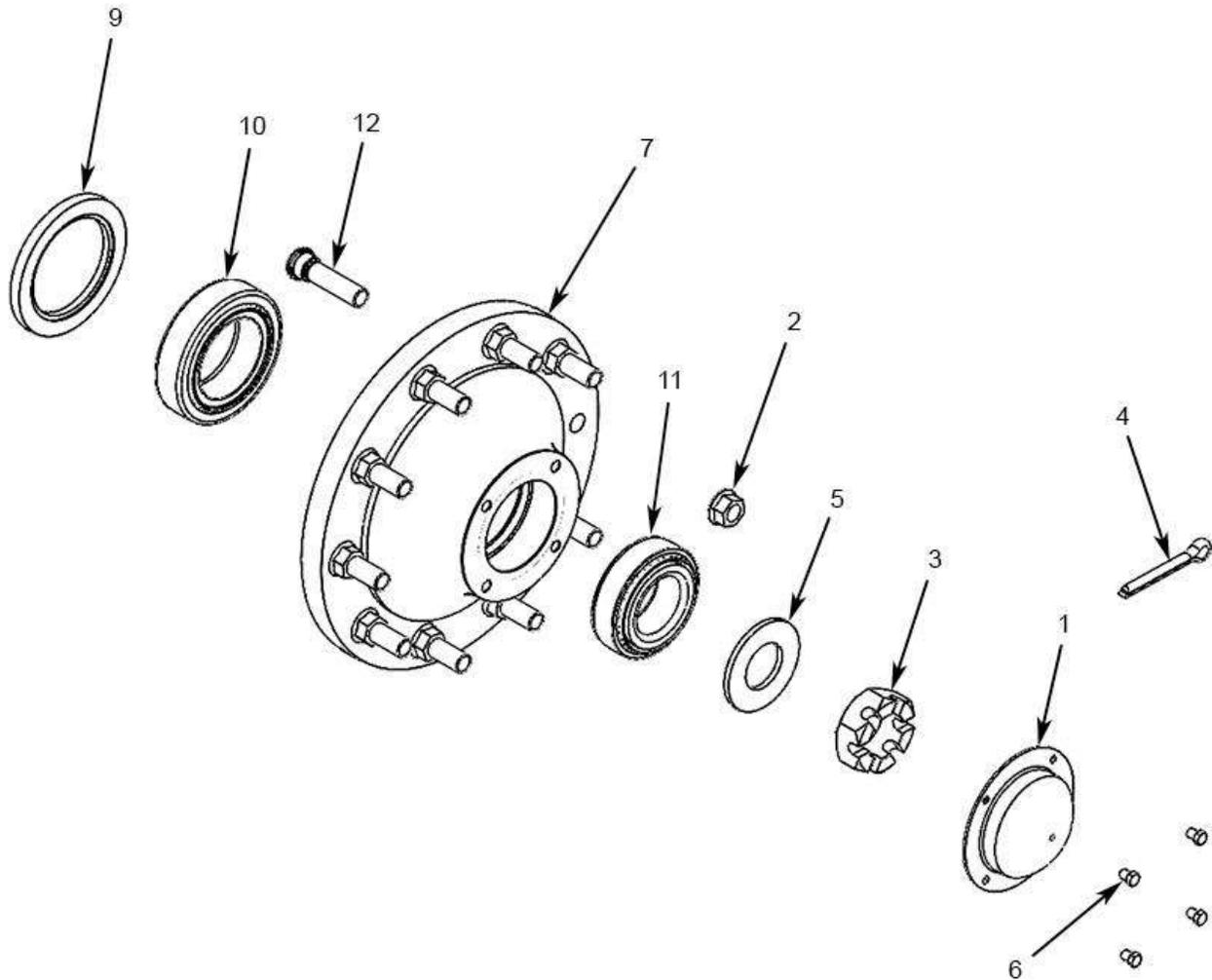


## ILLUSTRATED PARTS LIST

### Axle Adjust Assembly, Diamond Tire Parts List

| ITEM | PART NO.   | QTY. | DESCRIPTION                          |
|------|------------|------|--------------------------------------|
| 1    | 18160      | 2    | SPINDLE, 25K, BOLT IN                |
| 2    | 27189      | 2    | AXLE ADJUST DIAMOND TIRE 25K 80, 120 |
| 3    | 27190      | 1    | RECEIVER AXLE DIAMOND TIRE           |
| 4    | 596173M    | 6    | BOLT, HEX 5/8 X 3 MAGNI              |
| 5    | 596184M    | 2    | BOLT, HH 3/4X2 GR5 MAGNI             |
| 6    | 596193M    | 2    | BOLT, HH 3/4-10X6-1/2 GR5 MAGNI      |
| 7    | 596216M    | 6    | NUT, HEX 5/8-11 MAGNI                |
| 8    | 596217M    | 2    | NUT, HEX 3/4-10 G5 MAGNI             |
| 9    | 596241M    | 2    | NUT, CENTERLOCK 3/4-10 MAGNI         |
| 10   | 596259M    | 4    | WASHER, FLAT 3/4 MAGNI               |
| 11   | 596488M    | 2    | BOLT, HH 3/4-10 X 8-1/2 G5 MAGNI     |
| 12   | 596626M    | 2    | NUT, TOPLOCK 3/4-10 G5 MAGNI         |
| 13   | 700158     | 2    | TIRE TITAN 30.5LR32 TORC-TRAC        |
| 14   | 700157     | 2    | WHEEL 27X32, 0" OFFSET SILVER        |
| 14   | 700164     | 2    | WHEEL 27X32, 0" OFFSET YELLOW        |
| 15   | 730086ASSY | 2    | HUB COMPLETE Q981 25K BIG 10 B       |
|      | 800253     | 2    | DECAL, WHEEL LUG NUT TORQUE          |

## Q981 Hub Assembly





## ILLUSTRATED PARTS LIST

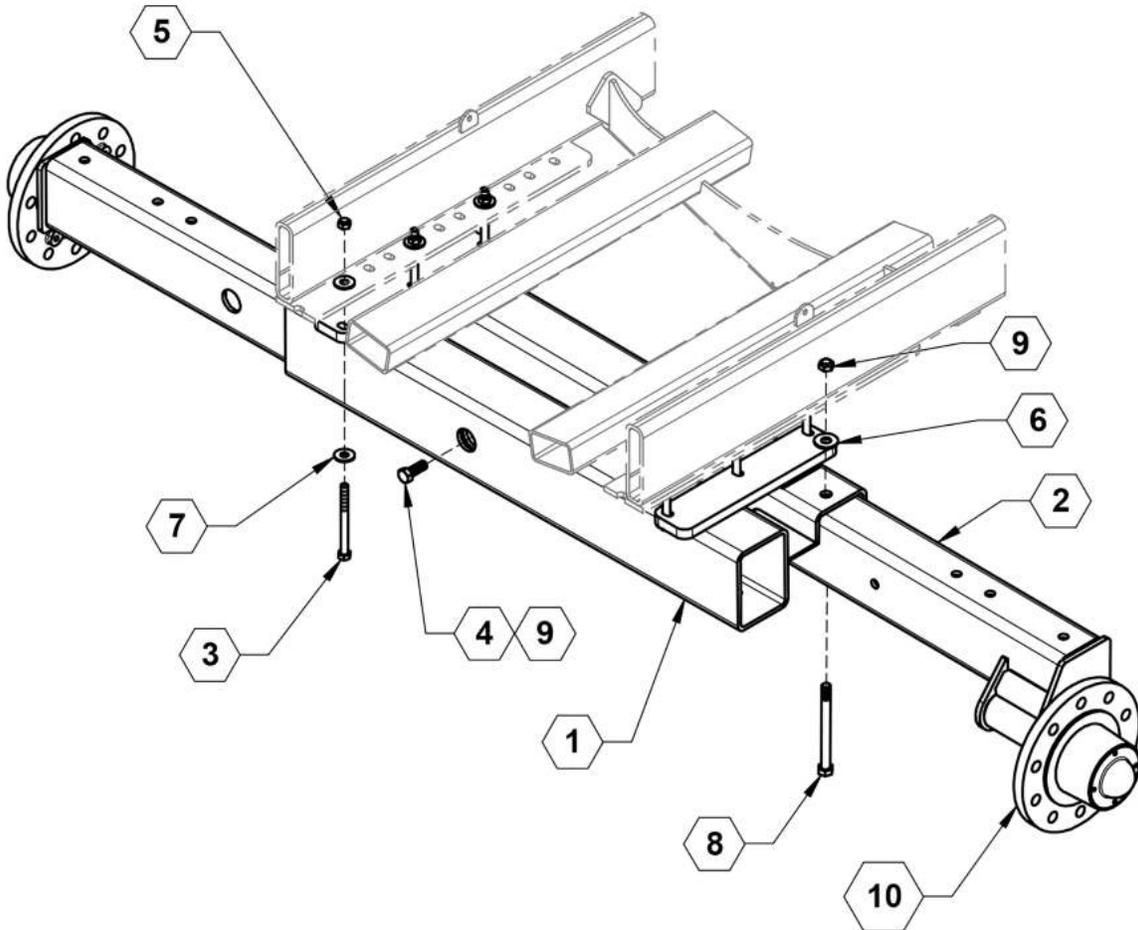
### Q981 Hub Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                |
|------|----------|------|----------------------------|
|      | 730086   | 1    | Q981 HUB ASSEMBLY COMPLETE |
| 1    | 730039   | 1    | HUB CAP                    |
| 2    | 730051   | 10   | LUG NUT                    |
| 3    | 730056   | 1    | CASTLE NUT                 |
| 4    | 730042   | 1    | COTTER PIN                 |
| 5    | 730040   | 1    | WASHER                     |
| 6    | 730017   | 4    | BOLT                       |
| 7    | 730029   | 1    | HUB                        |
| 8    | 730061   | 1    | PLATE                      |
| 9    | 730041   | 1    | SEAL                       |
| 10   | 730043   | 1    | REAR BEARING               |
| 11   | 730037   | 1    | FRONT BEARING              |
| 12   | 5410216  | 10   | WHEEL STUD                 |



# ILLUSTRATED PARTS LIST

## Single Axle Adjust 15k, 62"-120"



## ADJUSTABLE SINGLE AXLE 15K 62" TO 120"



## ILLUSTRATED PARTS LIST

### Single Axle Adjust 15k, 62"-120" Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                   |
|------|----------|------|-------------------------------|
| 1    | 13512    | 1    | RECEIVER, AXLE                |
| 2    | 13518    | 2    | 15K AXLE                      |
| 3    | 596174M  | 6    | BOLT, HH 5/8-11 X 7 G5 MAGNI  |
| 4    | 596184M  | 2    | BOLT, HH 3/4X2 GR5 MAGNI      |
| 5    | 596243M  | 6    | NUT, TOPLOCK 5/8-11 G8 MAGNI  |
| 6    | 596259M  | 4    | NUT, HEX 3/4-10 MAGNI         |
| 7    | 596261M  | 12   | WASHER, FLAT 3/4 MAGNI        |
| 8    | 596488M  | 1    | BOLT, HH 3/4-10 X 8-1/2 MAGNI |
| 9    | 596626M  | 4    | NUT, TOPLOCK 3/4-10 MAGNI     |
| 10   | 730010   | 2    | 15K IB 10 BOLT HUB Pkg        |

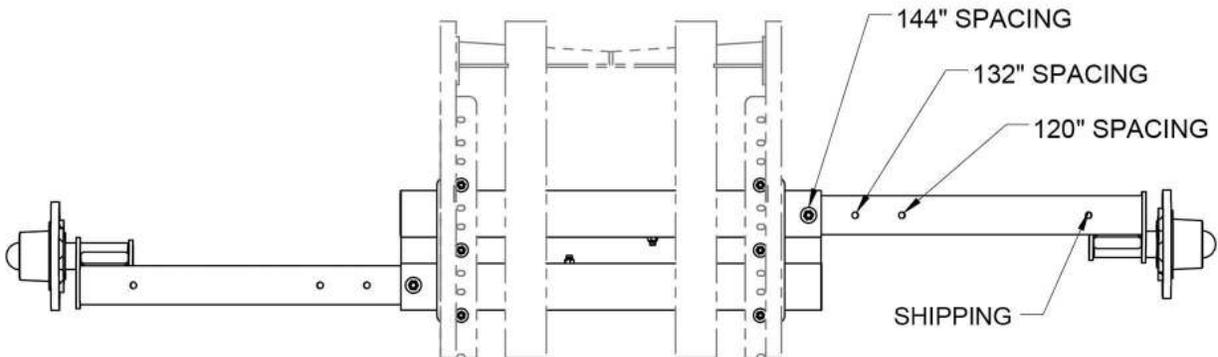
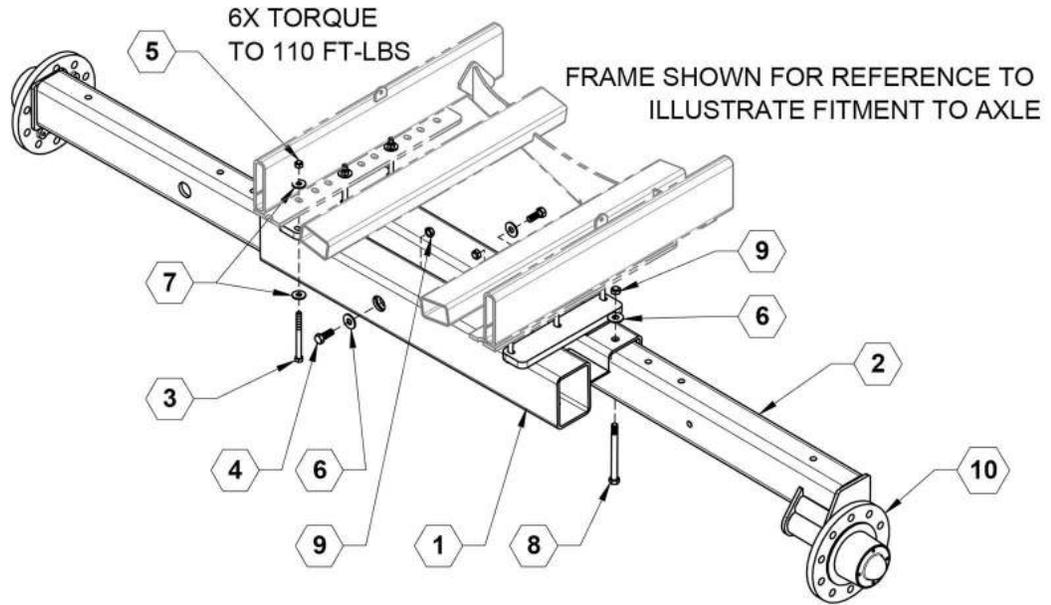


# ILLUSTRATED PARTS LIST

## Single Axle Adjust 15k, 72"-144"

NOTES:

1. BOLTS TO BE INSTALLED IN ORIENTATION SHOWN
2. BOLTS TO BE TIGHTENED WITH 1/2" IMPACT





## ILLUSTRATED PARTS LIST

### Single Axle Adjust 15k, 72"-144" Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                   |
|------|----------|------|-------------------------------|
| 1    | 13512    | 1    | RECEIVER, AXLE                |
| 2    | 13752    | 2    | 72", 132", 144" AXLE          |
| 3    | 596174M  | 6    | HH G5 5/8-11 X 7 MAGNI        |
| 4    | 596184M  | 2    | BOLT, HH 3/4X2 GR5 MAGNI      |
| 5    | 596243M  | 6    | NUT, HEX 5/8-11 MAGNI         |
| 6    | 596259M  | 4    | WASHER, FLAT 3/4 MAGNI        |
| 7    | 596261M  | 12   | WASHER, FLAT 5/8 MAGNI        |
| 8    | 596488M  | 2    | BOLT, HH 3/4-10 X 8-1/2 MAGNI |
| 9    | 596626M  | 4    | NUT, TOPLOCK 3/4-10 MAGNI     |
| 10   | 730010   | 2    | 15K IB 10 BOLT HUB PACKAGE    |

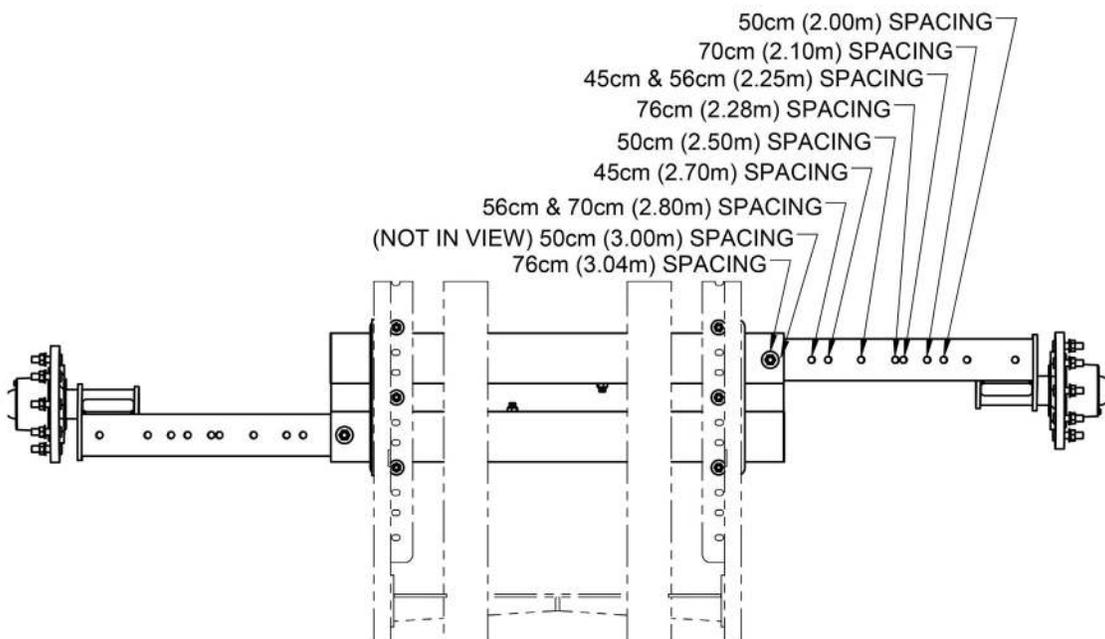
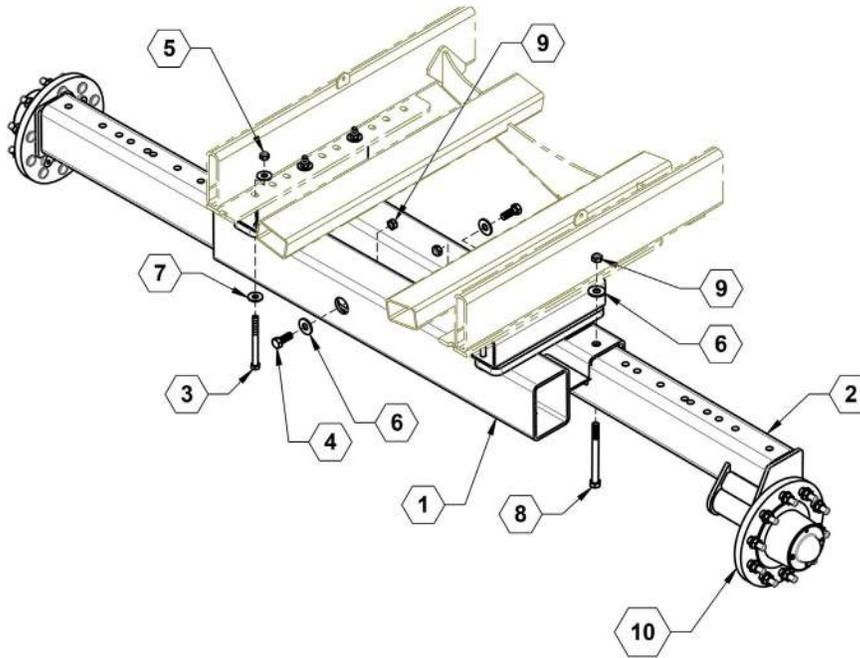


# ILLUSTRATED PARTS LIST

## Single Axle Adjust, Metric, 18.5k, 45cm - 76cm Spacing

NOTES:

1. BOLTS TO BE INSTALLED IN ORIENTATION SHOWN
2. BOLTS TO BE TIGHTENED WITH 1/2" IMPACT



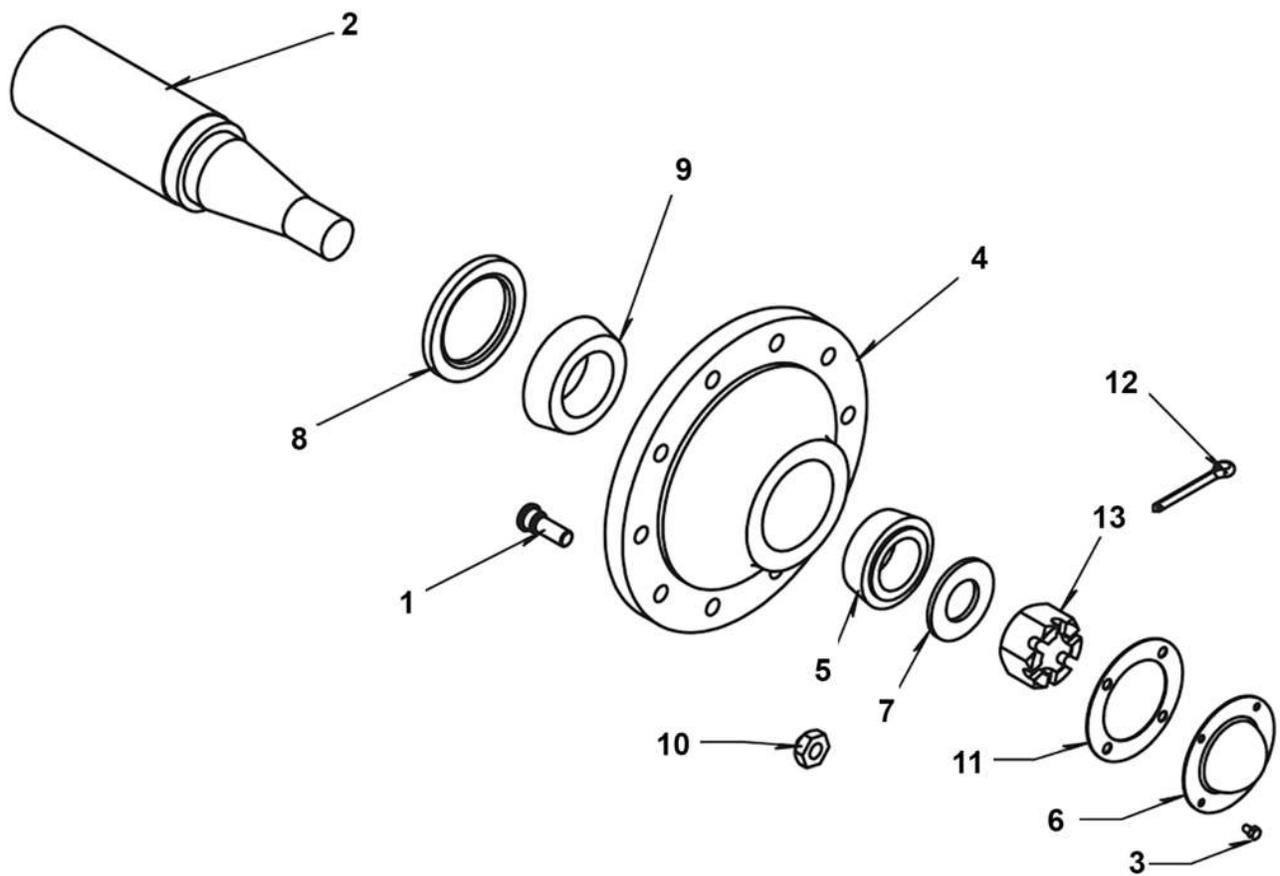


## ILLUSTRATED PARTS LIST

### Single Axle Adjust, Metric, 18.5k, 45cm - 76cm Spacing Parts List

| ITEM | PART NO.   | QTY. | DESCRIPTION                      |
|------|------------|------|----------------------------------|
| 1    | 13512      | 1    | RECEIVER, AXLE                   |
| 2    | 27942      | 2    | AXLE, 18.5K METRIC               |
| 3    | 596174M    | 6    | BOLT, HH 5/8-11 X 7 G5 MAGNI     |
| 4    | 596184M    | 2    | BOLT, HH 3/4X2 GR5 MAGNI         |
| 5    | 596243M    | 6    | NUT, TOPLOCK 5/8-11 G8 MAGNI     |
| 6    | 596259M    | 4    | WASHER, FLAT 3/4 MAGNI           |
| 7    | 596261M    | 12   | WASHER, FLAT 5/8 MAGNI           |
| 8    | 596488M    | 2    | BOLT, HH 3/4-10 X 8-1/2 G5 MAGNI |
| 9    | 596626M    | 4    | NUT, TOPLOCK 3/4-10 G5 MAGNI     |
| 10   | 730110ASSY | 2    | 18.5K LB 10 BOLT HUB PACKAGE     |

## N873 Hub Assembly 10 Bolt





## ILLUSTRATED PARTS LIST

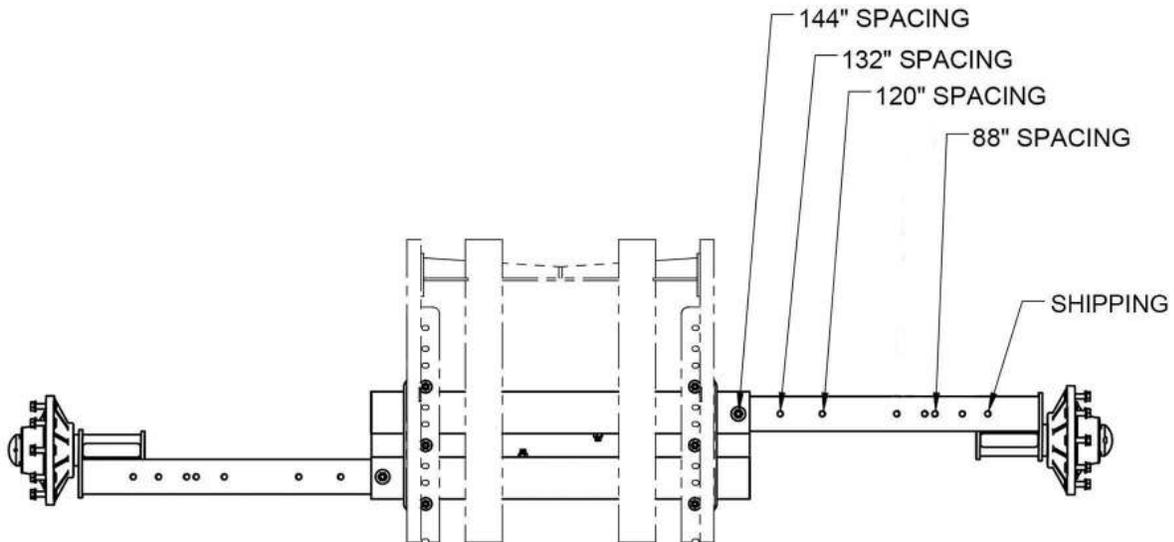
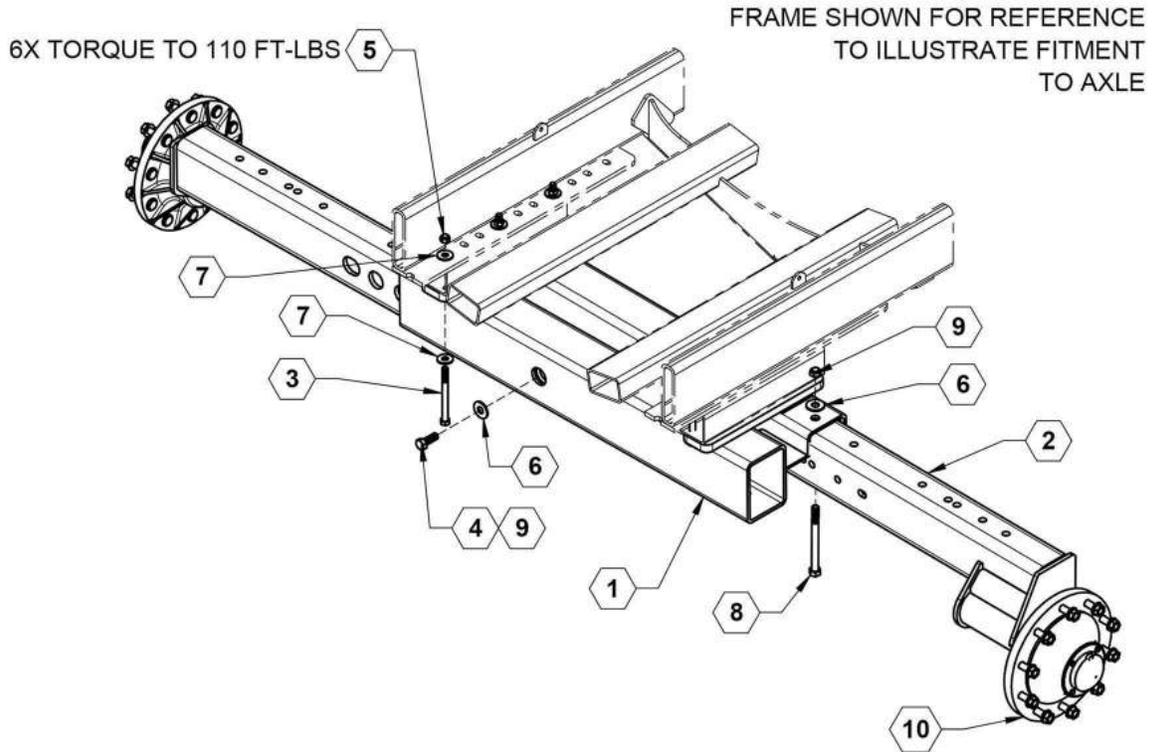
### N873 Hub Assembly 10 Bolt Parts List

| ITEM | PART NO.   | QTY. | DESCRIPTION                             |
|------|------------|------|---|
|      | 730110     | 1    | N873 HUB ASSEMBLY COMPLETE (ITEMS 1-13) |
| 1    | 54101216   | 10   | WHEEL STUD                              |
| 2    | 730111     | 1    | SPINDLE, 18500 LB                       |
| 3    | 730017     | 4    | 5/16 x 1/2" BOLT                        |
| 4    | 730110     | 1    | N873 Hub Package, 18.5k                 |
| 5    | 130012     | 1    | FRONT BEARING                           |
| 6    | 730072     | 1    | HUB CAP                                 |
| 7    | 730018     | 1    | WASHER                                  |
| 8    | 730013     | 1    | SEAL                                    |
| 9    | 730011     | 1    | REAR BEARING                            |
| 10   | 730051     | 10   | LUG NUT                                 |
| 11   | 730016     | 1    | HUB CAP SEAL                            |
| 12   | COTTER PIN | 1    | COTTER PIN                              |
| 13   | 730014     | 1    | 2" CASTLE NUT                           |

## Single Adjust Axle 20k, 88"-144"

NOTES:

1. BOLTS TO BE INSTALLED IN ORIENTATION SHOWN
2. BOLTS TO BE TIGHTENED WITH 1/2" IMPACT





## ILLUSTRATED PARTS LIST

### Single Adjust Axle 20k, 88"-144" Parts List

| ITEM | PART NO.   | QTY. | DESCRIPTION                          |
|------|------------|------|--------------------------------------|
| 1    | 13512      | 1    | RECEIVER, AXLE                       |
| 2    | 13752      | 2    | 72", 132", 144" AXLE                 |
| 3    | 596174M    | 6    | HH G5 5/8-11 X 7 MAGNI               |
| 4    | 596184M    | 2    | BOLT, HH 3/4X2 GR5 MAGNI             |
| 5    | 596243M    | 6    | NUT, HEX 5/8-11 MAGNI                |
| 6    | 596259M    | 4    | WASHER, FLAT 3/4 MAGNI               |
| 7    | 596261M    | 12   | WASHER, FLAT 5/8 MAGNI               |
| 8    | 596488M    | 2    | BOLT, HH 3/4-10 X 8-1/2 MAGNI        |
| 9    | 596626M    | 4    | NUT, TOPLOCK 3/4-10 MAGNI            |
| 10   | 730029ASSY | 2    | Q881 HUB PACKAGE WITH LONG STUDS 20K |



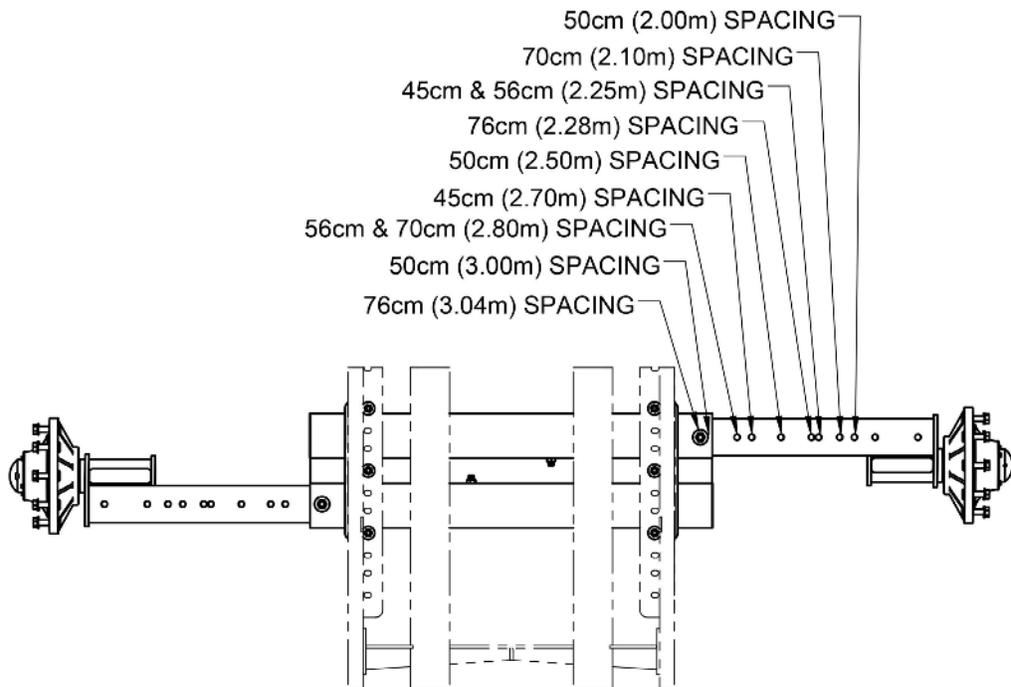
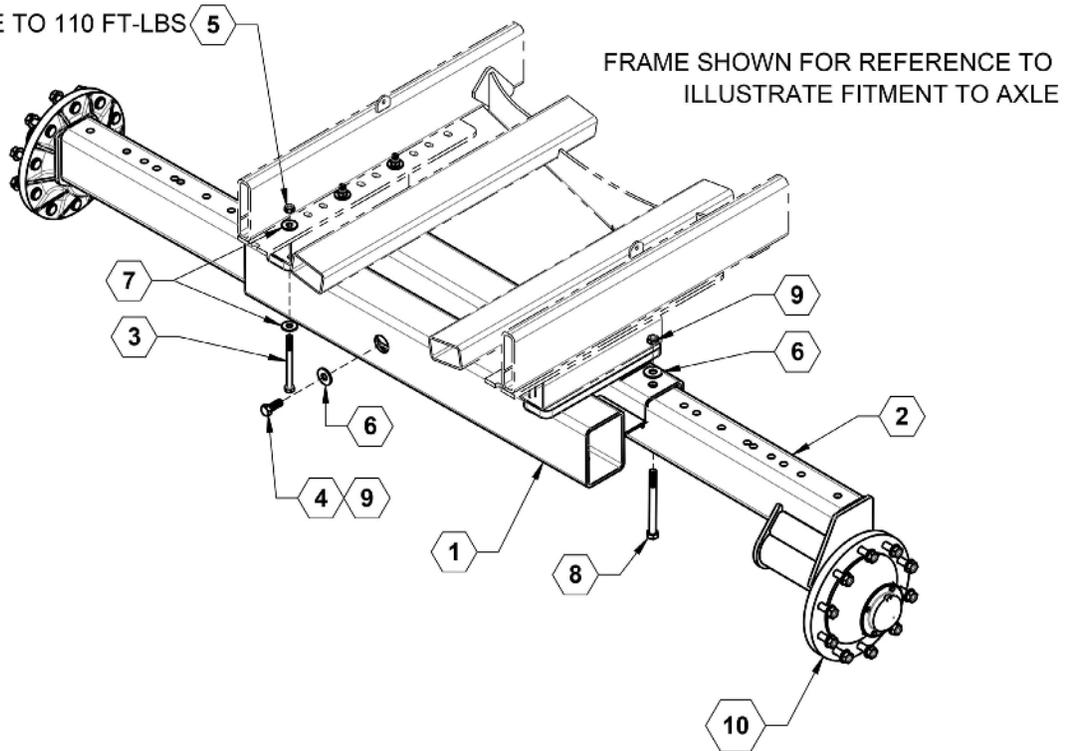
# ILLUSTRATED PARTS LIST

## Single Axle Adjust, Metric 20k 45cm - 76cm Spacing

### NOTES:

1. BOLTS TO BE INSTALLED IN ORIENTATION SHOWN
2. BOLTS TO BE TIGHTENED WITH 1/2" IMPACT

6X TORQUE TO 110 FT-LBS





## ILLUSTRATED PARTS LIST

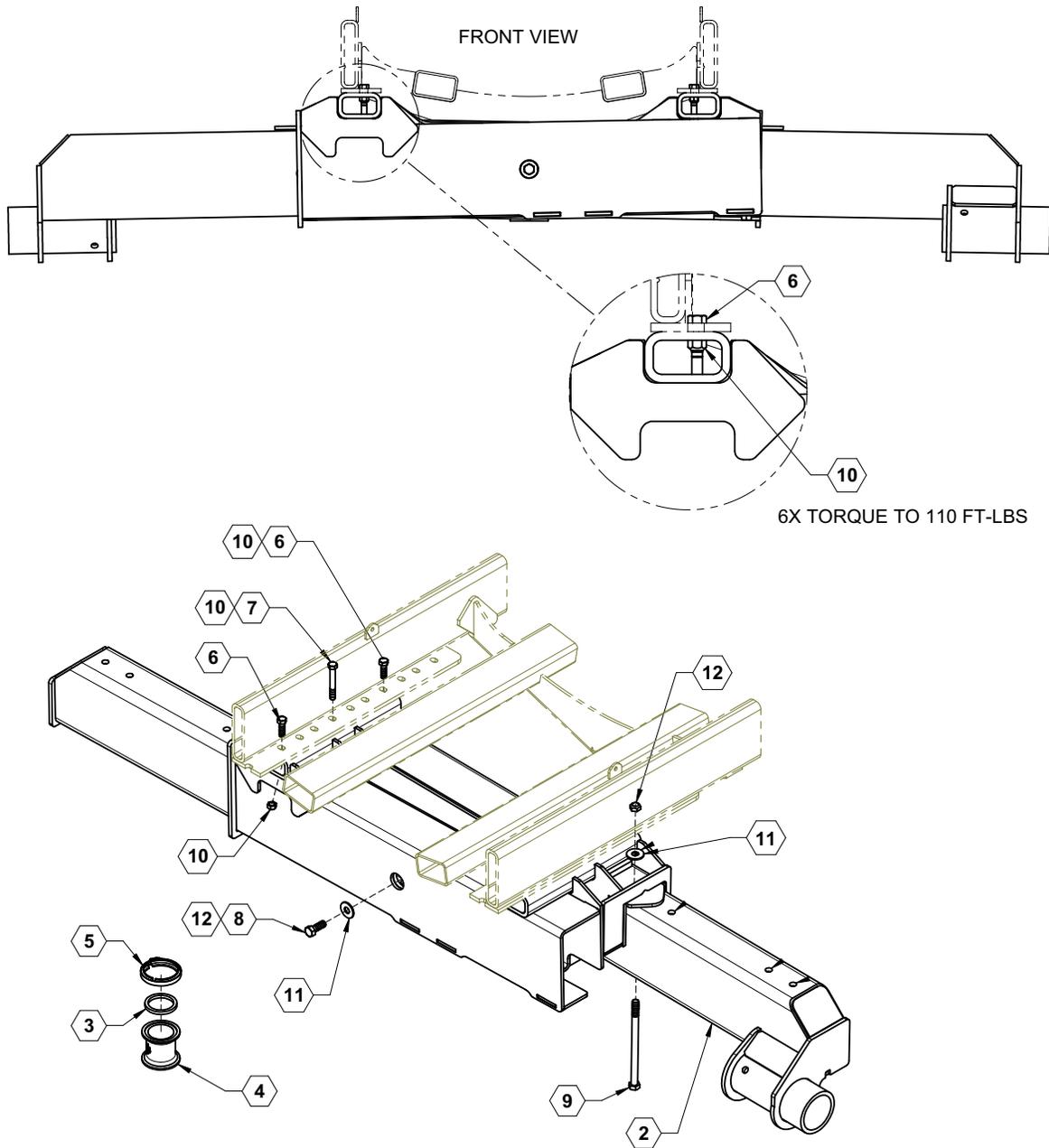
### Single Axle Adjust, Metric 20k 45cm - 76cm Spacing Parts List

| ITEM | PART NO.   | QTY. | DESCRIPTION                          |
|------|------------|------|--------------------------------------|
| 1    | 13512      | 1    | RECEIVER, AXLE WELDMENT              |
| 2    | 27945      | 2    | 20K AXLE METRIC                      |
| 3    | 596174M    | 6    | BOLT, HH 5/8-11 X 7 G5 MAGNI         |
| 4    | 596184M    | 2    | BOLT, HH 3/4X2 GR5 MAGNI             |
| 5    | 596243M    | 6    | NUT, TOPLOCK 5/8-11 G8 MAGNI         |
| 6    | 596259M    | 4    | WASHER, FLAT 3/4 MAGNI               |
| 7    | 596261M    | 12   | WASHER, FLAT 5/8 MAGNI               |
| 8    | 596488M    | 2    | BOLT, HH 3/4-10 X 8-1/2 G5 MAGNI     |
| 9    | 596626M    | 4    | NUT, TOPLOCK 3/4-10 G5 MAGNI         |
| 10   | 730029ASSY | 2    | Q881 HUB PACKAGE WITH LONG STUDS 20K |



# ILLUSTRATED PARTS LIST

Axle Adjust, Duals, 45/76CM, 80/132", 84/144"





## ILLUSTRATED PARTS LIST

### Axle Adjust, Duals, 45/76CM, 80/132", 84/144" Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                  |
|------|----------|------|------------------------------|
| 1    | 23955    | 1    | AXLE RECEIVER                |
| 2    | 23958    | 2    | 80 - 132" ADJUSTABLE AXLE    |
| 2    | 26312    | 2    | 84 - 144" ADJUSTABLE AXLE    |
| 2    | 26994    | 2    | 45 - 76CM ADJUSTABLE AXLE    |
| 3    | 530024   | 1    | GASKET, 3" EPDM              |
| 4    | 530443   | 1    | FLANGE COUPLING 3"           |
| 5    | 540003   | 1    | CLAMP, WORM SCREW 3"         |
| 6    | 596170M  | 4    | BOLT, HH 5/8-11X2 GR5 MAGI   |
| 7    | 596177M  | 2    | BOLT, HH 5/8-11X4.5 GR5 MAGI |
| 8    | 596184M  | 2    | BOLT, HH 3/4-11X2 GR5 MAGI   |
| 9    | 596210M  | 2    | BOLT, HH 3/4-10X12 GR5 MAGI  |
| 10   | 596243M  | 6    | NUT, TOPLOCK 5/8-11 G8 MAGNI |
| 11   | 596259M  | 4    | WASHER, FLAT 3/4 MAGNI       |
| 12   | 596626M  | 4    | NUT, TOPLOCK 3/4-10 G8 MAGNI |
| 13   | 800259   | 1    | DECAL, CAUTION - TRACK FIRE  |

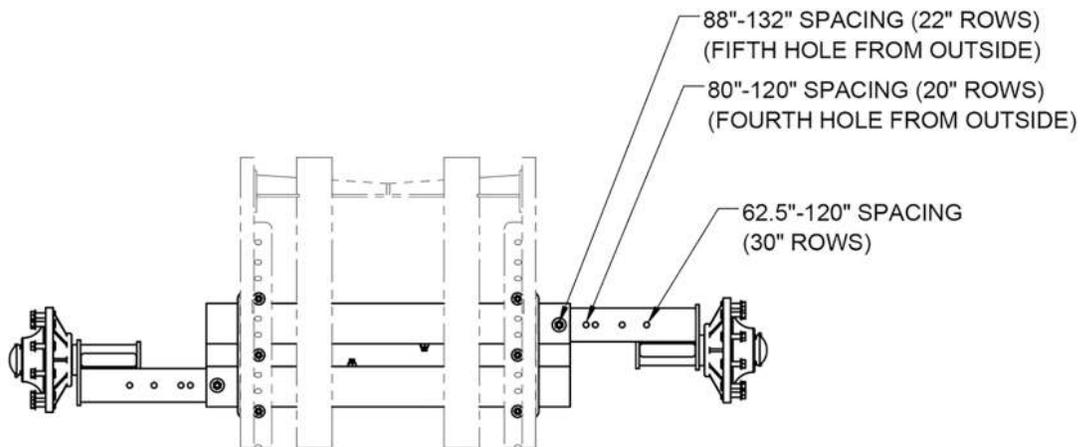
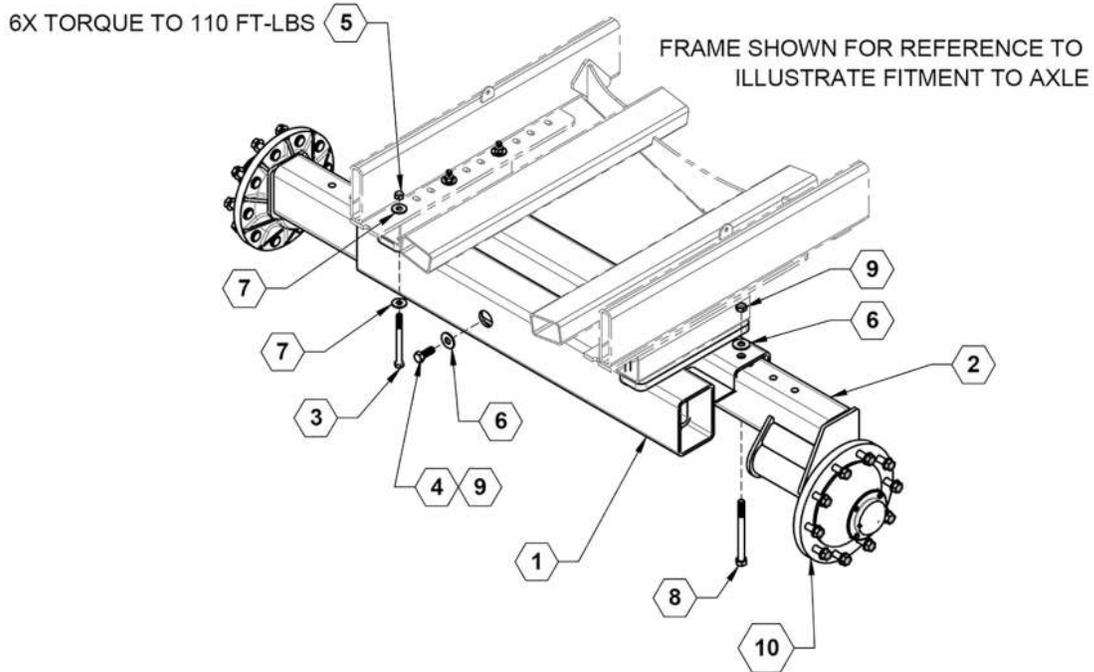


# ILLUSTRATED PARTS LIST

## Axle Adjust, Duals, 62.5/120", 80/120", 88/132"

NOTES:

1. BOLTS TO BE INSTALLED IN ORIENTATION SHOWN
2. BOLTS TO BE TIGHTENED WITH 1/2" IMPACT





## ILLUSTRATED PARTS LIST

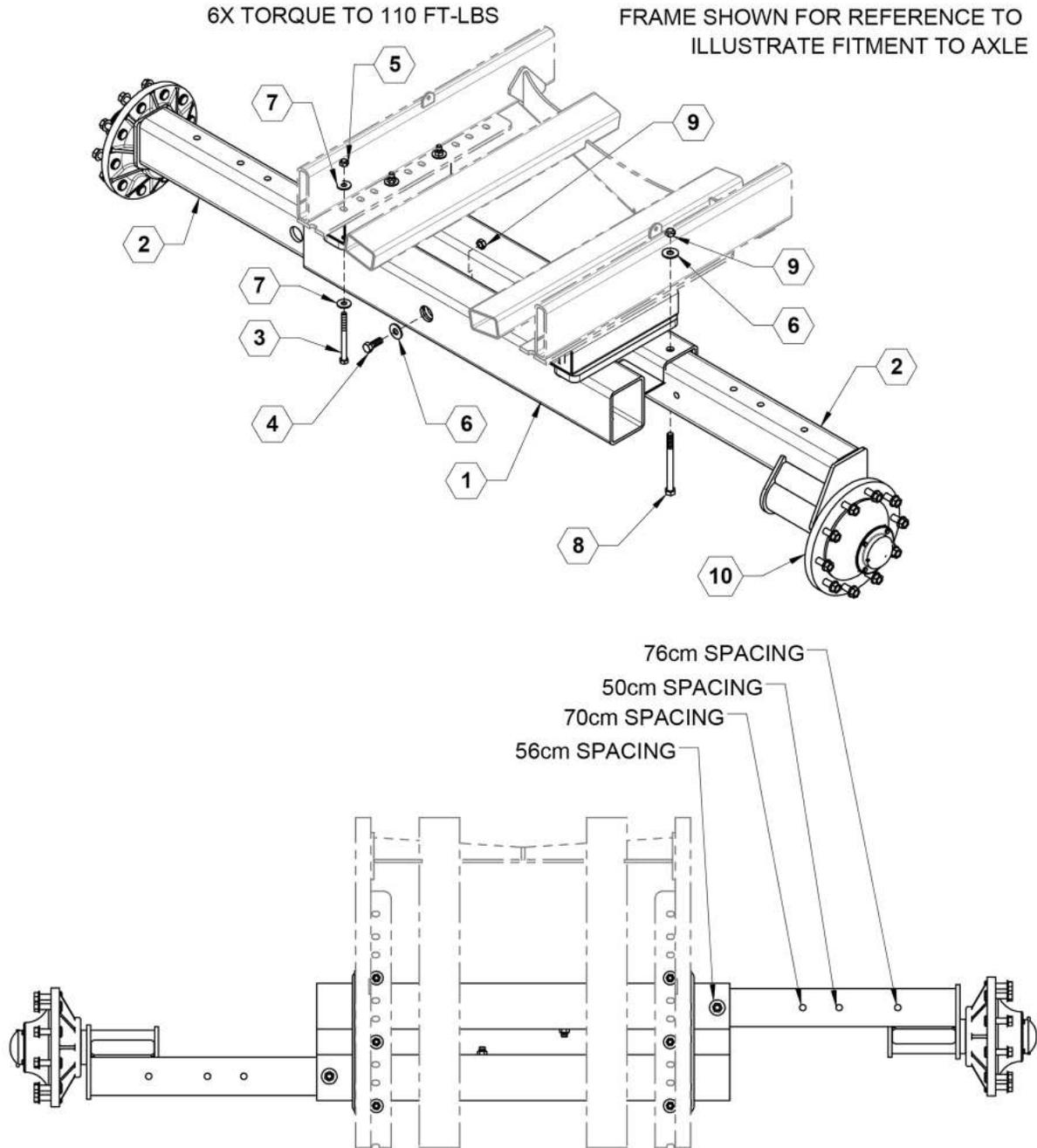
### Axle Adjust, Duals, 62.5/120", 80/120", 88/132" Parts List

| ITEM | PART NO.   | QTY. | DESCRIPTION                          |
|------|------------|------|--------------------------------------|
| 1    | 16061      | 1    | RECEIVER, AXLE, DUAL                 |
| 2    | 18386      | 2    | AXLE, 20K ADJUSTABLE                 |
| 3    | 596174M    | 6    | BOLT, HH G5 5/8-11 X 7 MAGNI         |
| 4    | 596184M    | 2    | BOLT, HH 3/4X2 GR5 MAGNI             |
| 5    | 596243M    | 6    | NUT, TOPLOCK. 5/8-11 MAGNI           |
| 6    | 596259M    | 4    | WASHER, FLAT 3/4 MAGNI               |
| 7    | 596261M    | 12   | WASHER, FLAT 5/8 MAGNI               |
| 8    | 596488M    | 2    | BOLT, HH 3/4-10 X 8-1/2 MAGNI        |
| 9    | 596626M    | 4    | NUT, TOPLOCK. 3/4-10 MAGNI           |
| 10   | 730029ASSY | 2    | Q881 HUB PACKAGE WITH LONG STUDS 20K |

## Axle Adjust, Duals, Metric, 50cm-76cm

NOTES:

1. BOLTS TO BE INSTALLED IN ORIENTATION SHOWN
2. BOLTS TO BE TIGHTENED WITH 1/2" IMPACT



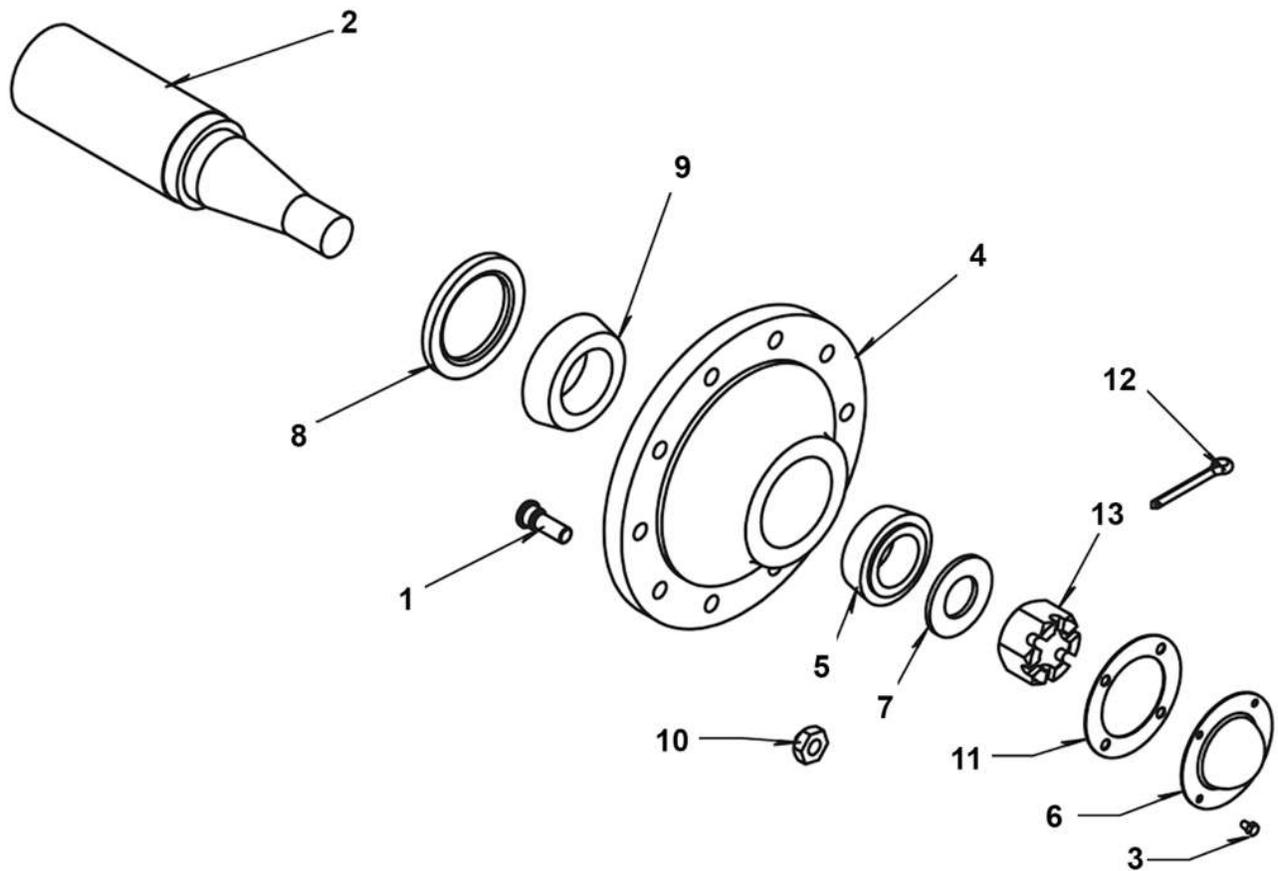


## ILLUSTRATED PARTS LIST

### Axle Adjust, Duals, Metric, 50cm-76cm Parts List

| ITEM | PART NO.   | QTY. | DESCRIPTION                          |
|------|------------|------|--------------------------------------|
| 1    | 16061      | 1    | RECEIVER, AXLE, DUAL                 |
| 2    | 27109      | 2    | 20K ADJUSTABLE AXLE                  |
| 3    | 596174M    | 6    | HH G5 5/8-11 X 7 MAGNI               |
| 4    | 596184M    | 2    | BOLT, HH 3/4X2 GR5 MAGNI             |
| 5    | 596243M    | 6    | NUT, TOPLOCK 5/8-11 MAGNI            |
| 6    | 596259M    | 10   | WASHER, FLAT 3/4 MAGNI               |
| 7    | 596261M    | 12   | WASHER, FLAT 5/8 MAGNI               |
| 8    | 596488M    | 2    | BOLT, HH 3/4-10 X 8-1/2 MAGNI        |
| 9    | 596626M    | 4    | NUT, TOPLOCK 3/4-10 G5 MAGNI         |
| 10   | 730029ASSY | 2    | Q881 HUB PACKAGE WITH LONG STUDS 20K |

## Q881 Hub Assembly, 10 Bolt



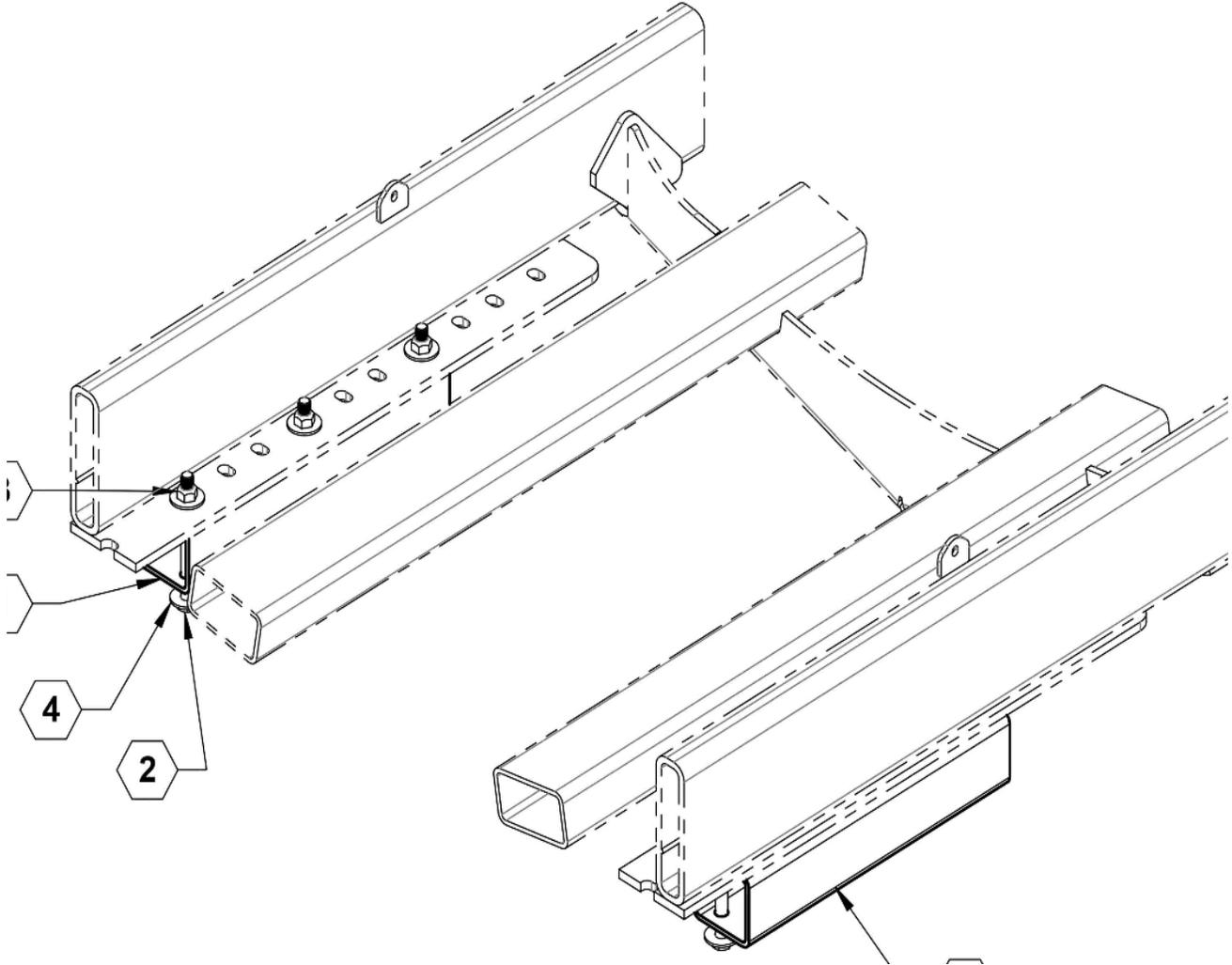


## ILLUSTRATED PARTS LIST

### Q881 Hub Assembly, 10 Bolt Parts List

| ITEM | PART NO.       | QTY. | DESCRIPTION                             |
|------|----------------|------|---|
|      | 730029         | 1    | Q881 HUB ASSEMBLY COMPLETE (ITEMS 1-13) |
| 1    | NI953035       | 10   | WHEEL STUD                              |
| 2    | 730007         | 1    | SPINDLE, 20000 LB                       |
| 3    | 730017         | 4    | 5/16 x 1/2" BOLT                        |
| 4    | 730029         | 1    | Q881 Hub Package, 20k                   |
| 5    | 730037         | 1    | FRONT BEARING                           |
| 6    | 730039         | 1    | HUB CAP                                 |
| 7    | 730040         | 1    | WASHER                                  |
| 8    | 730041         | 1    | SEAL                                    |
| 9    | 730043         | 1    | REAR BEARING                            |
| 10   | 730051         | 10   | LUG NUT                                 |
| 11   | 730061         | 1    | HUB CAP SEAL                            |
| 12   | COTTER PIN     | 1    | COTTER PIN                              |
| 13   | 2" SPINDLE NUT | 1    | 2" CASTLE NUT                           |

## 4 Inch Axle Spacer



### 4 Inch Axle Spacer Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION         |
|------|----------|------|---------------------|
| 1    | 16457    | 2    | TUBE, 4" AXLE RISER |



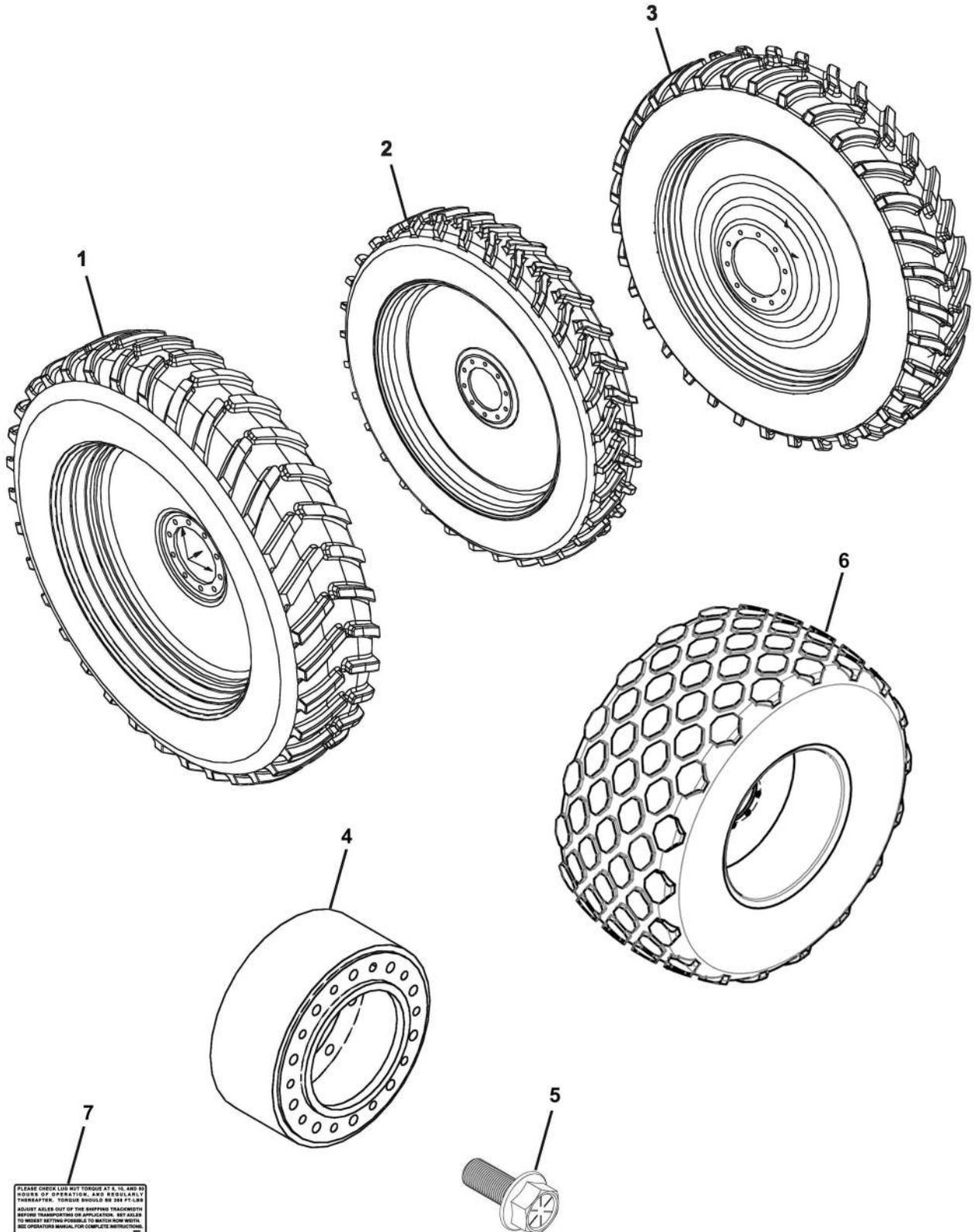
## ILLUSTRATED PARTS LIST

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**FAST GLOBAL**  
**SOLUTIONS**

## Tire and Rim



PLEASE CHECK LUB RIT TORQUE AT 8-10 AND 90 HOURS OF OPERATION, AND REGULARLY THEREAFTER. TORQUE SHOULD BE 288 FT-LBS. ADJUST ASLES OUT OF THE SHAPING TRACKS BEFORE TRANSPORT OR APPLICATION. BE SURE TO WASH WETTING POSSIBLE TO MATCH FOR WET. SEE OPERATOR MANUAL FOR COMPLETE INSTRUCTIONS.



## ILLUSTRATED PARTS LIST

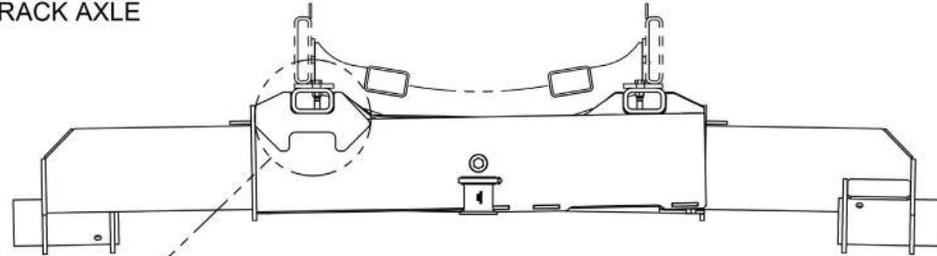
### Tire and Rim Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION  |
|------|----------|------|--|
| 1    | 700177   | 1    | 480/80R50 TIRE/WHEEL SILVER, LH, LR176A8           |
| 1    | 700176   | 1    | 480/80R50 TIRE/WHEEL SILVER, RH, LR176A8           |
| 1    | 700175   | 1    | 480/80R50 TIRE/WHEEL YELLOW, LH, LR176A8           |
| 1    | 700174   | 1    | 480/80R50 TIRE/WHEEL YELLOW, RH, LR176A8           |
| 2    | 700173   | 1    | 380/90R46 TIRE/WHEEL SILVER, LH, LR168A8           |
| 2    | 700172   | 1    | 380/90R46 TIRE/WHEEL SILVER, RH, LR168A8           |
| 2    | 700171   | 1    | 380/90R46 TIRE/WHEEL YELLOW, LH, LR168A8           |
| 2    | 700170   | 1    | 380/90R46 TIRE/WHEEL YELLOW, RH, LR168A8           |
| 2    | 700097   | 1    | 380/90R46 TIRE/WHEEL JD GREEN, LH, LR168A8         |
| 2    | 700098   | 1    | 380/90R46 TIRE/WHEEL JD GREEN, RH, LR168A8         |
| 2    | 700179   | 1    | 380/90R54 TIRE/WHEEL YELLOW, LH, LR170A8           |
| 2    | 700178   | 1    | 380/90R54 TIRE/WHEEL YELLOW, RH, LR170A8           |
| 2    | 700181   | 1    | 380/90R54 TIRE/WHEEL, SILVER, LH, LR170A8          |
| 2    | 700180   | 1    | 380/90R54 TIRE/WHEEL, SILVER RH, LR170A8           |
| 3    | 700135   | 2    | 380/90R46 TIRE/WHEEL DUAL YELLOW LH 20H, LR149     |
| 3    | 700136   | 2    | 380/90R46 TIRE/WHEEL DUAL YELLOW RH 20H, LR149     |
| 3    | 700137   | 2    | 380/90R54 TIRE/WHEEL DUAL YELLOW LH 20 H, LR152    |
| 3    | 700138   | 2    | 380/90R54 TIRE/WHEEL DUAL YELLOW RH 20 H, LR152    |
| 3    | 700139   | 2    | 380/90R46 TIRE/WHEEL DUAL SILVER LH 20H, LR149     |
| 3    | 700140   | 2    | 380/90R46 TIRE/WHEEL DUAL SILVER RH 20H, LR149     |
| 3    | 700141   | 2    | 380/90R54 TIRE/WHEEL DUAL SILVER LH 20H, LR152     |
| 3    | 700142   | 2    | 380/90R54 TIRE/WHEEL DUAL SILVER RH 20H, LR152     |
| 4    | 710031   | 2    | 5.00" DUALS SPACER, FOR 80-120 FT TRACK WIDTH      |
| 4    | 710032   | 2    | 7.00" DUALS SPACER, FOR 88-132 FT TRACK WIDTH      |
| 4    | 710030   | 2    | 13.75" DUALS SPACER, FOR 62.5-120 FT TRACK WIDTH   |
| 5    | 590258   | 20   | HUB SPACER BOLT, FOR OUTER DUAL, .750 NC X 1.50 YZ |
| 6    | 700158   | 2    | TIRE TITAN 30.5LR32 TORC-TRAC                      |
| 6    | 700157   | 2    | WHEEL 27X32, 0" OFFSET SILVER                      |
| 6    | 700164   | 2    | WHEEL 27X32, 0" OFFSET YELLOW                      |
| 7    | 800253   | 2    | DECAL, WHEEL LUG NUT TORQUE                        |

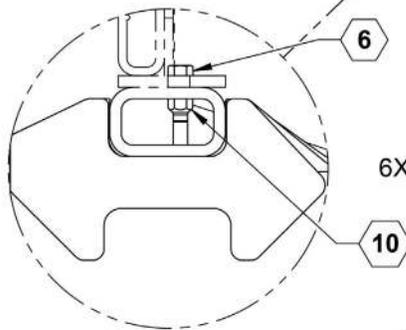
## Adjustable Track Axle

**NOTES:**

1. BOLTS TO BE INSTALLED IN ORIENTATION SHOWN
2. BOLTS TO BE TIGHTENED WITH 1/2" IMPACT
3. ADD 3" FLANGE COUPLING TO BOTTOM OF SUMP ON TANK ABOVE THE 3" FLANGE SWEEP MANIFOLD TO CLEAR THE BOTTOM OF TRACK AXLE

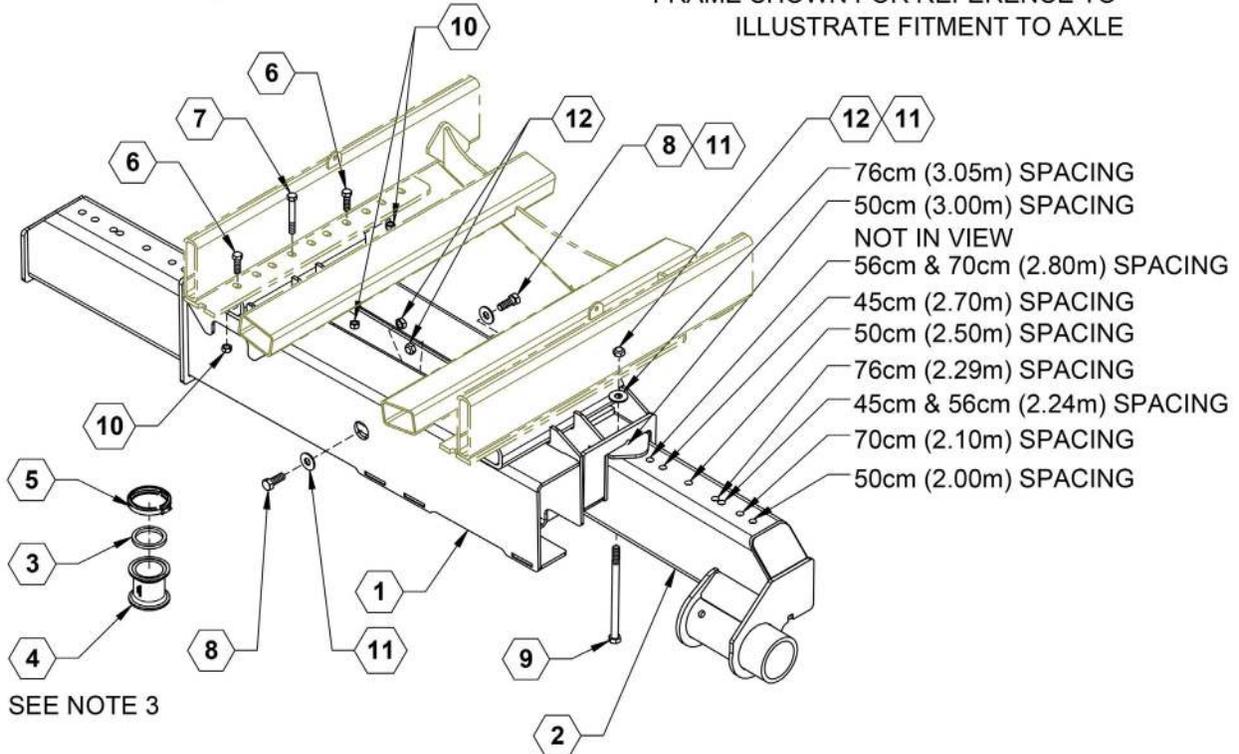


FRONT VIEW



6X TORQUE TO 110 FT-LBS

FRAME SHOWN FOR REFERENCE TO ILLUSTRATE FITMENT TO AXLE

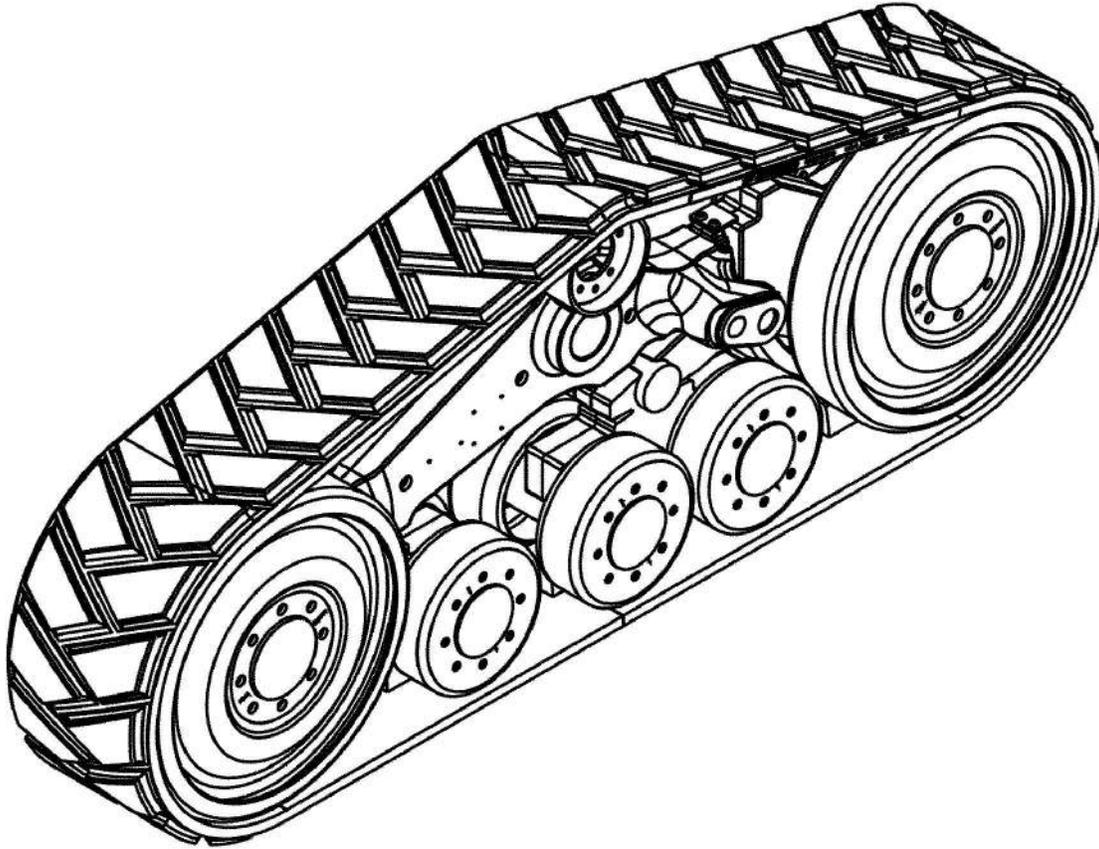




## ILLUSTRATED PARTS LIST

### Adjustable Track Axle Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                       |
|------|----------|------|-----------------------------------|
| 1    | 23955    | 1    | AXLE RECEIVER                     |
| 2    | 23958    | 2    | ADJUSTABLE TRACK AXLE, 80" - 132" |
| 2    | 26312    | 2    | ADJUSTABLE TRACK AXLE, 84" - 144" |
| 2    | 27948    | 2    | ADJUSTABLE TRACK AXLE, 45-76cm    |
| 3    | 530024   | 1    | GASKET, 3" EPDM                   |
| 4    | 530443   | 1    | FLANGE COUPLING 3"                |
| 5    | 540003   | 1    | CLAMP, WORM SCREW 3"              |
| 6    | 596170M  | 4    | BOLT, HH 5/8-11X2 GR5 MAGNI       |
| 7    | 596177M  | 2    | BOLT, HH 5/8-11X4.5 GR5 MAGNI     |
| 8    | 596184M  | 2    | BOLT, HH 3/4X2 GR5 MAGNI          |
| 9    | 596210M  | 2    | BOLT, HH 3/4-10 X 12 GR5 MAGNI    |
| 10   | 596243M  | 6    | NUT, TOPLOCK 5/8-11 G8 MAGNI      |
| 11   | 596259M  | 4    | WASHER, FLAT 3/4 MAGNI            |
| 12   | 596626M  | 4    | NUT, TOPLOCK 3/4-10 G5 MAGNI      |
| 13   | 800259   | 1    | DECAL, CAUTION - TRACK FIRE       |

**Camso Tracks****Camso Tracks Parts List**

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



# ILLUSTRATED PARTS LIST

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**FAST GLOBAL**  
**SOLUTIONS**

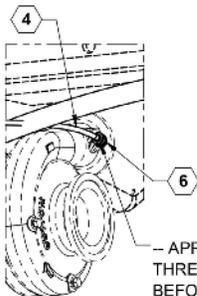
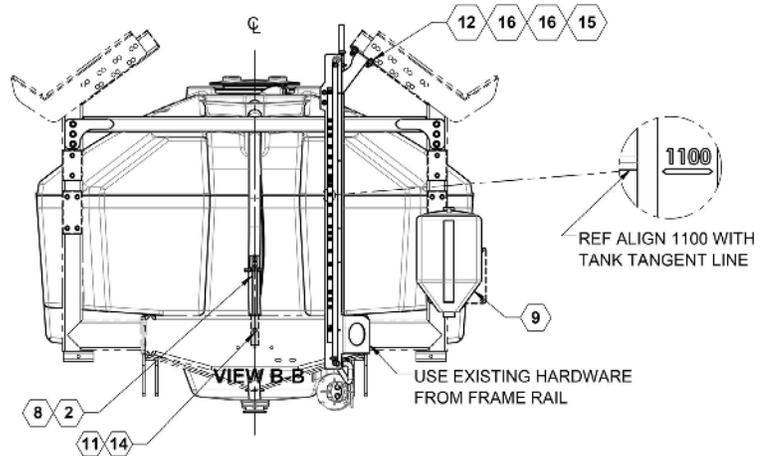
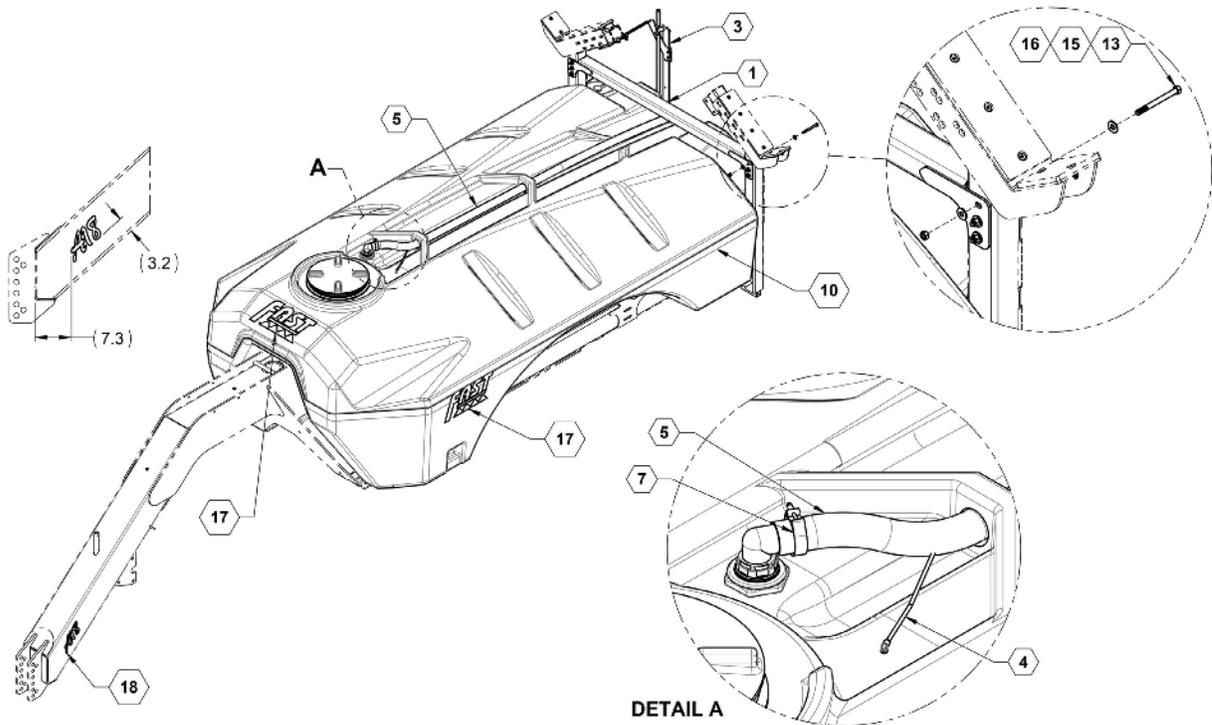


# ILLUSTRATED PARTS LIST

## 1800 Gallon Tank

NOTE:

1. APPLY 800181 AND 800195 AT ASSEMBLY
2. INSTALL 26441 AFTER TANK IS INSTALLED



- APPLY A SMALL AMOUNT OF THREAD SEALANT TO THREADS BEFORE INSTALLING
- PUSH HOSE INTO FITTING ON PUMP - ENSURE HOSE ALWAYS GOES UPWARD, AND HAS NO DIPS



## ILLUSTRATED PARTS LIST

### 1800 Gallon Tank Parts List

| ITEM | PART NO.    | QTY. | DESCRIPTION                                     |
|------|-------------|------|---|
| 1    | 26441       | 1    | TANK HOLD DOWN, 1800 GALLON                     |
| 2    | 27867       | 1    | SMV MOUNT                                       |
| 3    | 28012/28013 | 1    | ASSEMBLY, SIGHT GAUGE A18/A16                   |
| 4    | 510023      | 1    | HOSE, 1/4" POLY BLACK 19FT                      |
| 5    | 510025      | 1    | HOSE, 2" CLEAR PVC SUCTION 60 X 15FT            |
| 6    | 530003      | 1    | ELBOW, MALE 1/4"X1/8"                           |
| 7    | 540007      | 1    | CLAMP, HOSE 2" T-BOLT                           |
| 8    | 540020      | 1    | CLAMP, 3-1/2" SS                                |
| 9    | 570097      | 1    | TANK 10 GALLON, YELLOW                          |
| 10   | 570155TNK   | 1    | TANK 1800, WHITE, APPLICATOR FITTINGS, NO DECAL |
| 10   | 570153TNK   | 1    | TANK 1800 (YELLOW) APPLICATOR FITTING, NO DECAL |
| 11   | 596152M     | 1    | BOLT, HH 1/2X1 GR5 MAGNI                        |
| 12   | 596153M     | 2    | BOLT, HH 1/2-13X1-1/2 GR5 MAGNI                 |
| 13   | 596161M     | 6    | BOLT, HH 1/2X5-1/2 GR5 MAGNI                    |
| 14   | 596223M     | 1    | NUT, HEX JAM 1/2-13 MAGNI                       |
| 15   | 596239M     | 8    | NUT, CENTERLOCK, 1/2-13 MAGNI                   |
| 16   | 596260M     | 16   | WASHER, FLAT 1/2 MAGNI                          |
| 17   | 800181      | 3    | FAST TANK LOGO                                  |
| 18   | 800229      | 2    | DECAL, A18 SILVER                               |

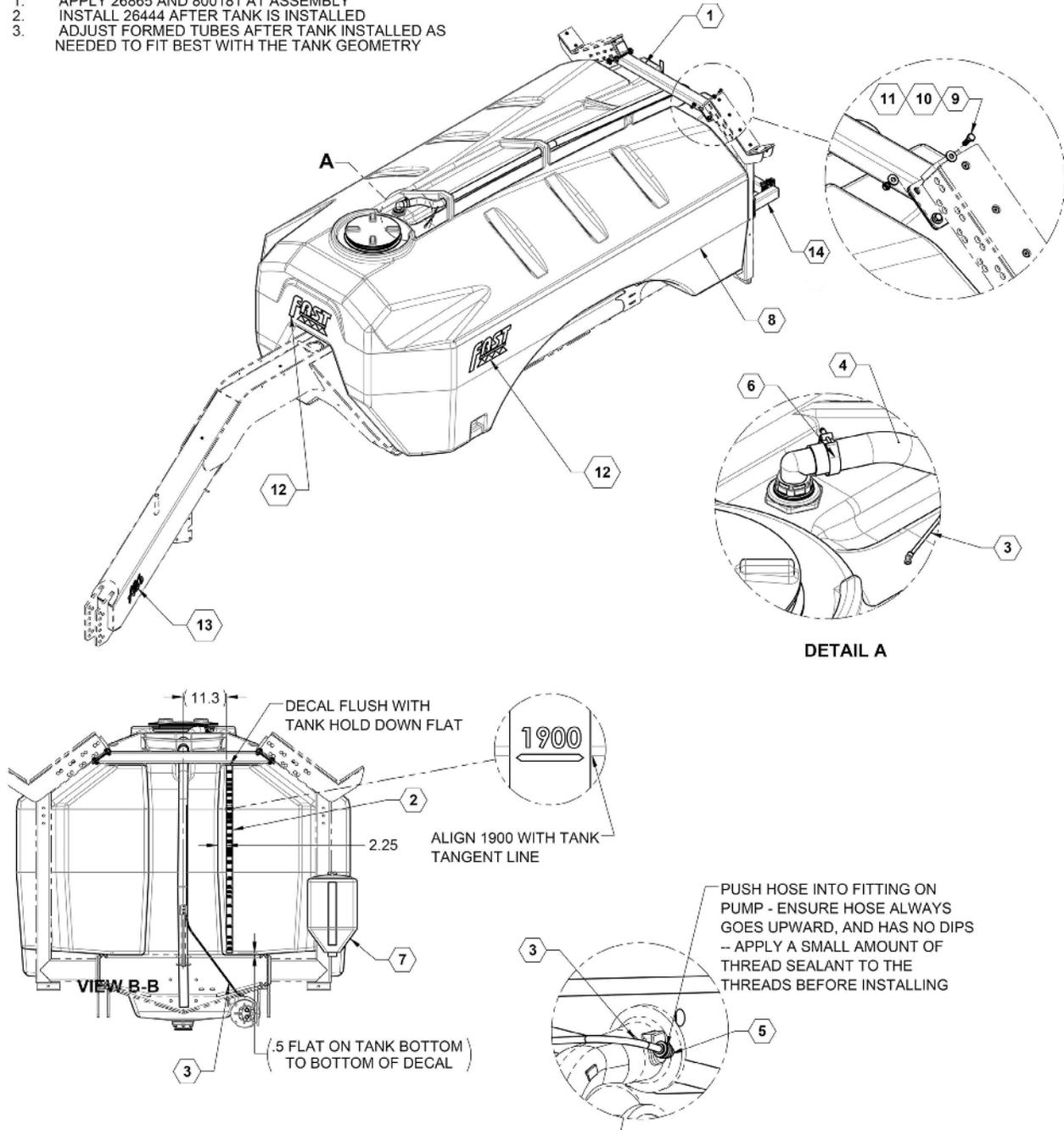


# ILLUSTRATED PARTS LIST

## 2650 Gallon Tank

NOTE:

1. APPLY 26865 AND 800181 AT ASSEMBLY
2. INSTALL 26444 AFTER TANK IS INSTALLED
3. ADJUST FORMED TUBES AFTER TANK INSTALLED AS NEEDED TO FIT BEST WITH THE TANK GEOMETRY





## ILLUSTRATED PARTS LIST

### 2650 Gallon Tank Parts List

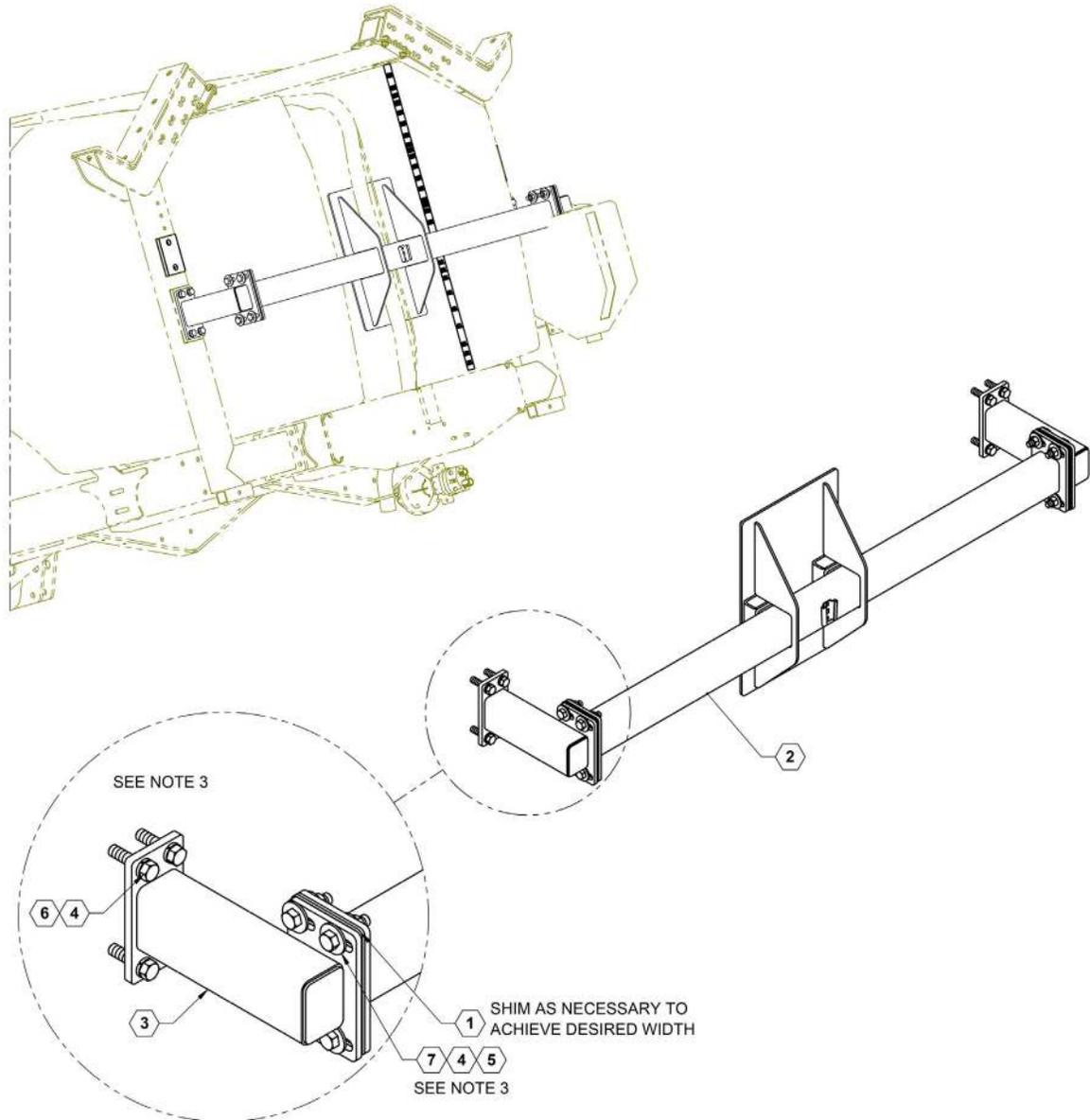
| ITEM | PART NO.      | QTY. | DESCRIPTION                                     |
|------|---------------|------|---|
| 1    | 26444         | 1    | UPPER TANK HOLD DOWN                            |
| 2    | 26865         | 1    | DECAL. 2600 GALLON, 2018                        |
| 2    | 28012 / 28013 | 1    | A18 / A26 SIGHT GAUGE ASSEMBLY                  |
| 3    | 510023        | 1    | HOSE, 1/4" POLY BLACK 19'                       |
| 4    | 510025        | 1    | 2" CLEAR PVC SUCTION HOSE 60 x 15'              |
| 5    | 530003        | 1    | ELBOW, MALE 1/4"X1/8"                           |
| 6    | 540007        | 1    | CLAMP, HOSE 2" T-BOLT                           |
| 7    | 570092        | 1    | TANK 10 GALLON, WHITE                           |
| 7    | 570097        | 1    | TANK 10 GALLON, YELLOW                          |
| 8    | 570156TNK     | 1    | TANK 2650 (White) APPLICATOR FIT NO DECAL       |
| 8    | 570154TNK     | 1    | TANK 2600 (Yellow) APPLICATOR FITTING, NO DECAL |
| 9    | 596153M       | 7    | BOLT, HH 1/2-13X1-1/2 GR5 MAGNI                 |
| 10   | 596239M       | 8    | NUT, CENTERLOCK, 1/2-13 MAGNI                   |
| 11   | 596260M       | 16   | WASHER, FLAT 1/2 MAGNI                          |
| 12   | 800181        | 3    | FAST TANK LOGO                                  |
| 13   | 800230        | 2    | DECAL, A26 SILVER                               |
| 14   | 27885         | 1    | TANK SUPPORT ASSEMBLY                           |



# ILLUSTRATED PARTS LIST

## Tank Support Assembly

- NOTE:  
1. REMOVE ALL BURRS AND SHARP EDGES  
2. FINISH: NONE  
3. TORQUE TO 110 FT-LBS +/- 10 FT-LBS





## ILLUSTRATED PARTS LIST

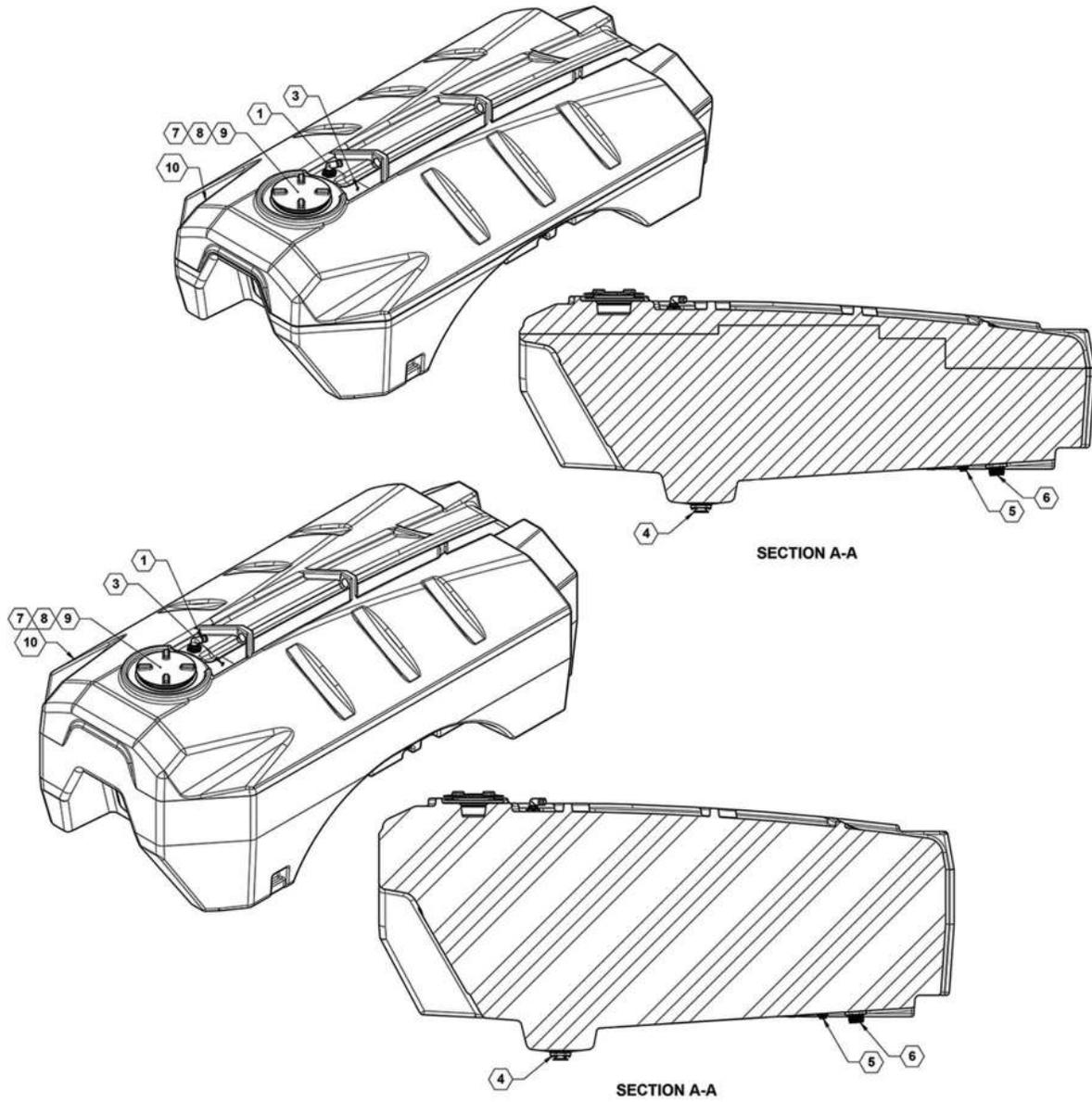
### Tank Support Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                   |
|------|----------|------|-------------------------------|
| 1    | 27781    | 4    | PLATE, SUPPORT SHIM           |
| 2    | 27785    | 1    | REAR SUPPORT                  |
| 3    | 27884    | 2    | SUPPORT STANDOFF              |
| 4    | 596171M  | 16   | BOLT, HH 5/8-11X2.5 GR5 MAGNI |
| 5    | 596216M  | 8    | NUT, HEX 5/8-11 MAGNI         |
| 6    | 596253M  | 8    | LOCKWASHER 5/8 MAGNI          |
| 7    | 596261M  | 16   | WASHER, FLAT 5/8 MAGNI        |
| 8    | 90SASMV  | 1    | SMV ASSEMBLY                  |



# ILLUSTRATED PARTS LIST

## 1800 and 2650 Gallon Tank Fittings





## ILLUSTRATED PARTS LIST

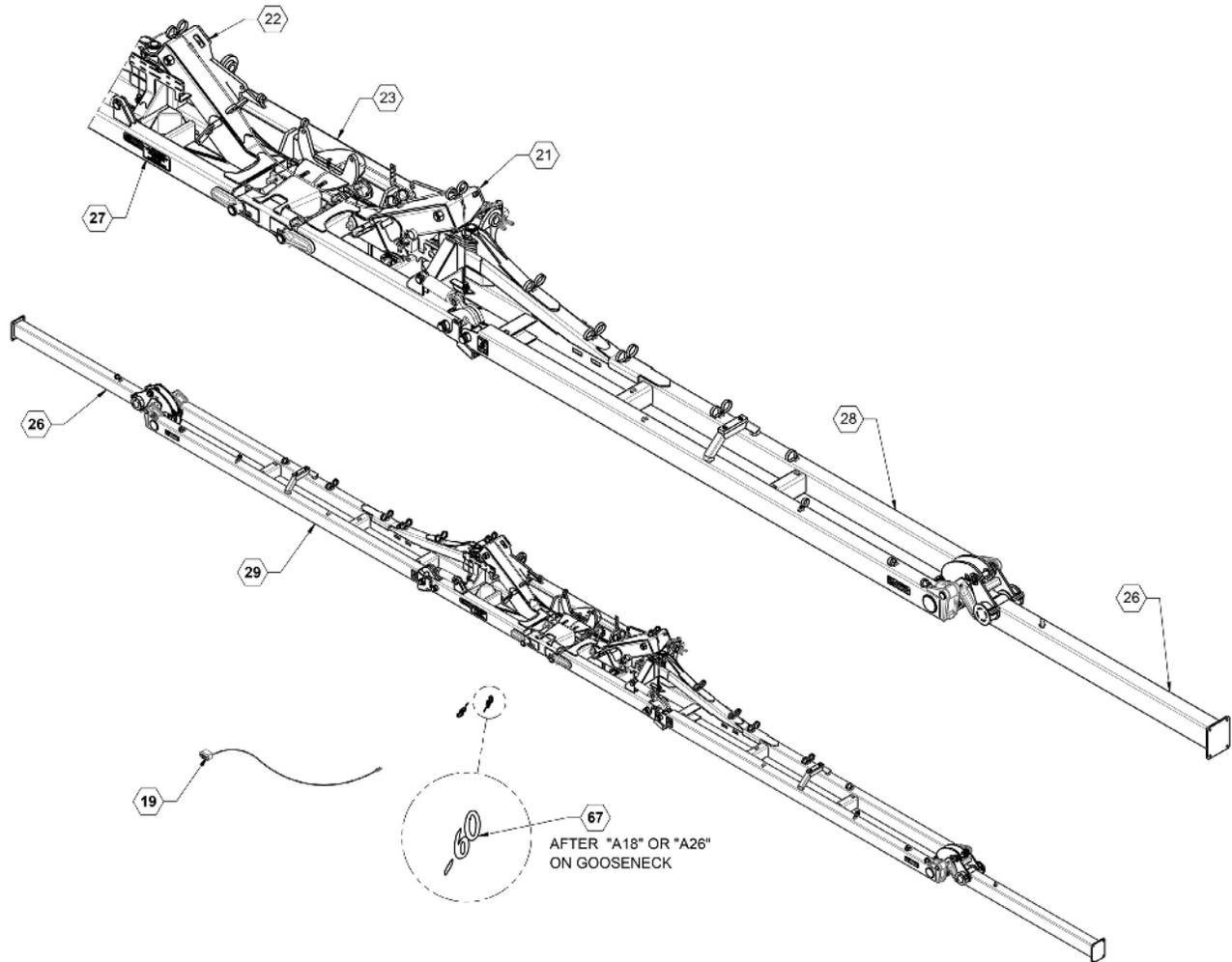
### 1800 and 2650 Gallon Tank Fittings Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                                     |
|------|----------|------|---|
| 1    | 90SAFCOV | 1    | FERTILIZER TANK, VENTED OVERFLOW                |
| 3    | 530004   | 1    | CONNECTOR, 90° 1/4" TUBE X 1/4" NPT             |
| 4    | 530120   | 1    | 3" BOTTOM DRAIN                                 |
| 5    | 530161   | 1    | 1" BULKHEAD FITTING                             |
| 6    | 530452   | 1    | 3" MANIFOLD X 3" NPT TANK FITTING               |
| 7    | 570120   | 1    | O-RING  |
| 8    | 570121   | 1    | FLAT GASKET                                     |
| 9    | 570123   | 1    | NON VENTED TANK LID                             |
| 10   | 570143   | 1    | TANK 1800 (YELLOW) APPLICATOR FITTING, NO DECAL |
| 10   | 570145   | 1    | TANK 1800 (WHITE) APPLICATOR FITTING, NO DECAL  |
| 10   | 570142   | 1    | TANK 2650 (YELLOW) APPLICATOR FITTING, NO DECAL |
| 10   | 570144   | 1    | TANK 2650 (WHITE) APPLICATOR FITTING, NO DECAL  |



# ILLUSTRATED PARTS LIST

## 60 Foot Bare Toolbar Assembly





## ILLUSTRATED PARTS LIST

### 60 Foot Bare Toolbar Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION               |
|------|----------|------|---------------------------|
| 19   | 26023    | 1    | ASSY, STANDARD HYDRAULICS |
| 21   | 26360    | 1    | WLDMNT, LH INNER WING     |
| 22   | 26361    | 1    | WLDMNT, RH INNER WING     |
| 23   | 26386    | 1    | WLDMNT, CENTER TOOLBAR    |
| 26   | 26910    | 2    | WLDMNT, 60' FLIP WING     |
| 27   | 26961    | 1    | DECALS, TOOLBAR           |
| 28   | 27070    | 1    | WLDMNT, LH MAIN WING      |
| 29   | 27071    | 1    | WLDMNT, RH MAIN WING      |
| 67   | 800231   | 2    | DECAL, -60 SILVER         |

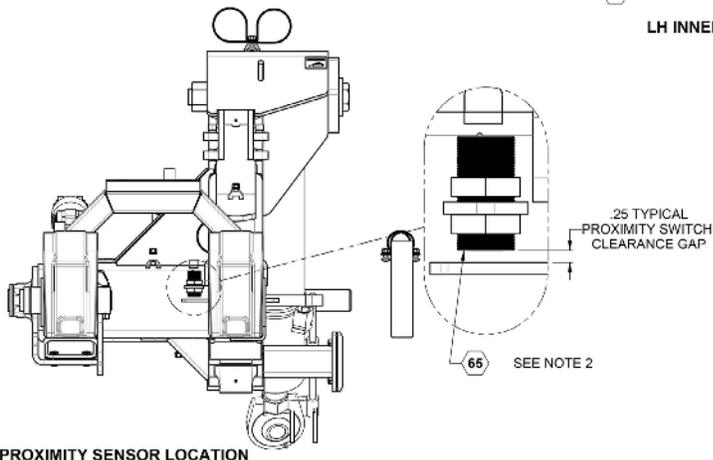
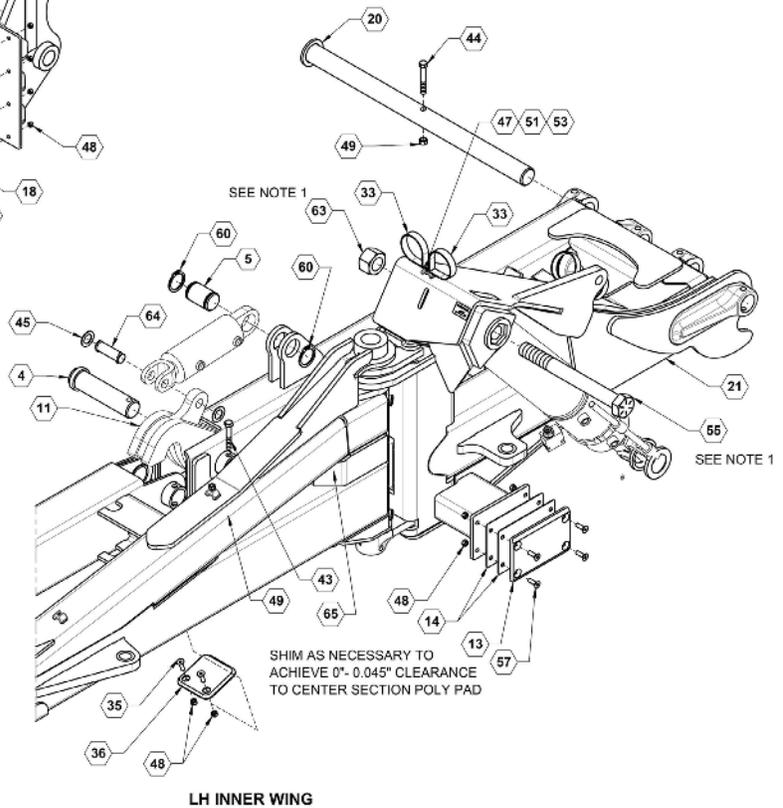
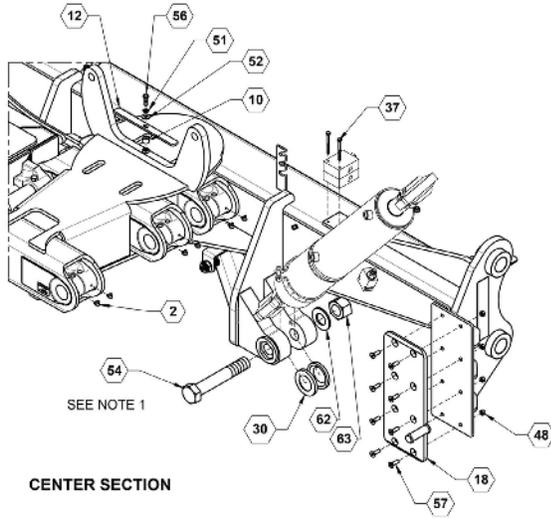


# ILLUSTRATED PARTS LIST

## 60 Foot Bare Toolbar Assembly

NOTES:

- 1. TORQUE TO 400FT-LBS; USE 6 DROPS OF BLUE LOCTITE
- 2. SNUG NUTS WITH WRENCH - DO NOT OVER TIGHTEN





# ILLUSTRATED PARTS LIST

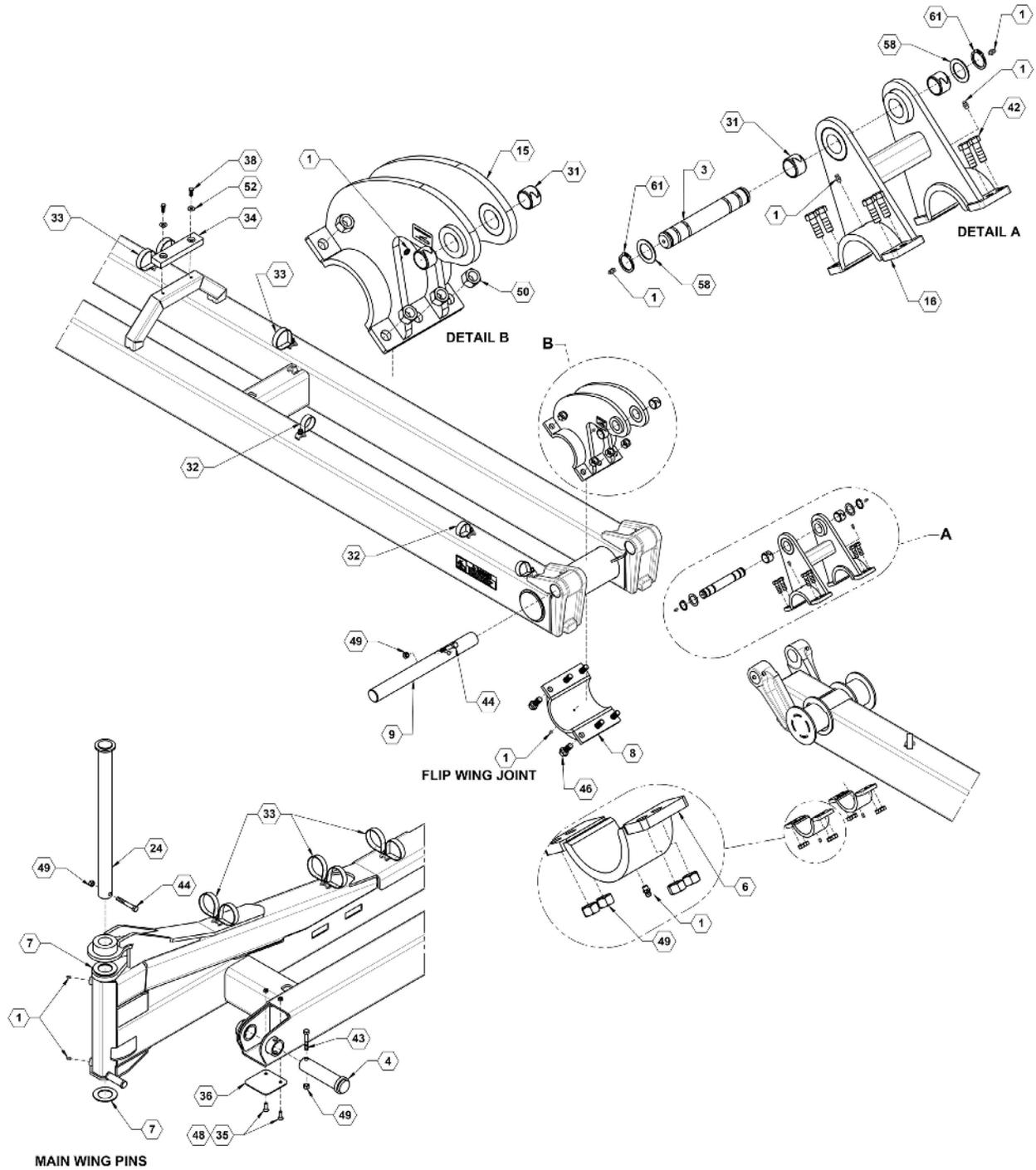
## 60 Foot Bare Toolbar Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                              |
|------|----------|------|--|
| 2    | 761      | 12   | ZERK, 90°, 1/4-28 STRAIGHT PIPE THREAD   |
| 4    | 15155    | 4    | WLDMT, LATCH PIN                         |
| 5    | 15179    | 2    | PIN, LATCH CYLINDER BASE                 |
| 10   | 15566    | 1    | SPACER, HOSE BRACKET                     |
| 11   | 15630    | 2    | LATCH WLDMNT                             |
| 12   | 15844    | 1    | PLATE, HOSE HOLDER                       |
| 13   | 21090    | 2    | PAD, UHMW, WING BUMP                     |
| 14   | 21091    | 4    | PLATE, BUMP PAD SHIM                     |
| 18   | 21922    | 2    | UHMW, CENTER LOWER BUMP PAD              |
| 20   | 26165    | 2    | WLDMNT, WING PIVOT PIN                   |
| 21   | 26360    | 1    | WLDMNT, LH INNER WING                    |
| 30   | 27918    | 4    | UHMW, CYLINDER SPACER RING               |
| 33   | 540052   | 28   | P-CLAMP, 3" W/3/8" HOLE                  |
| 35   | 590133   | 8    | BOLT, FHSCS 3/8 X 1-1/4 SS               |
| 36   | 590265   | 4    | PLATE, WEAR                              |
| 37   | 596110M  | 2    | BOLT, HH 1/4-20 X 3 MAGNI                |
| 43   | 596156M  | 4    | BOLT, HH 1/2 X 3 GR5 MAGNI               |
| 44   | 596157M  | 6    | BOLT, HH 1/2X3-1/2 GR5 MAGNI             |
| 45   | 596179M  | 4    | BUSHING, MACHINED 1" X 14GA MAGNI        |
| 47   | 596213M  | 26   | NUT, HEX 3/8-16 MAGNI                    |
| 48   | 596237M  | 37   | NUT, CENTERLOCK 3/8-16 MAGNI             |
| 49   | 596239M  | 26   | NUT, CENTERLOCK, 1/2-13 MAGNI            |
| 51   | 596250M  | 27   | LOCKWASHER, 3/8 MAGNI                    |
| 52   | 596258M  | 7    | WASHER, FLAT 3/8 MAGNI                   |
| 53   | 596592M  | 26   | BOLT, CARRIAGE 3/8-16 X 1 MAGNI          |
| 54   | 596593M  | 2    | BOLT, HH G8 1-1/2-6 X 9 MAGNI            |
| 55   | 596594M  | 2    | BOLT, HH G8 1-1/2-6 X 14 MAGNI           |
| 56   | 596635M  | 1    | BOLT, HH 3/8-16 x 1-1/4 MAGNI            |
| 57   | 596726M  | 24   | BOLT, FHSCS 3/8-16 X 1-1/4 MAGNI         |
| 60   | 596747M  | 4    | SNAP RING, 2" MAGNI                      |
| 62   | 596811M  | 2    | WASHER, FLAT 1-1/2 MAGNI                 |
| 63   | 596813M  | 4    | NUT, HEX 1-1/2-6 GR8 MAGNI               |
| 64   | 620072   | 1    | PIN, CYLINDER, 1" X 3-3/8", KIT PKG OF 2 |
| 65   | 632048   | 4    | PROXIMITY SWITCH 10MM SENSE              |



# ILLUSTRATED PARTS LIST

## 60 Foot Bare Toolbar Assembly



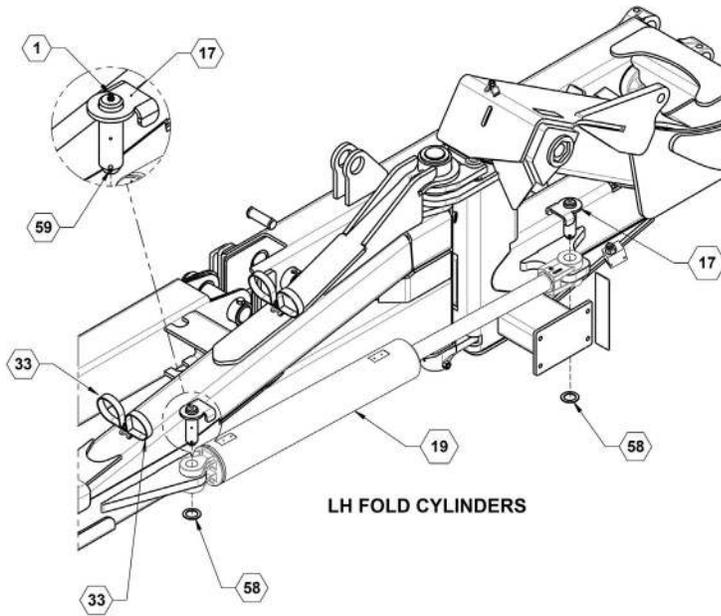


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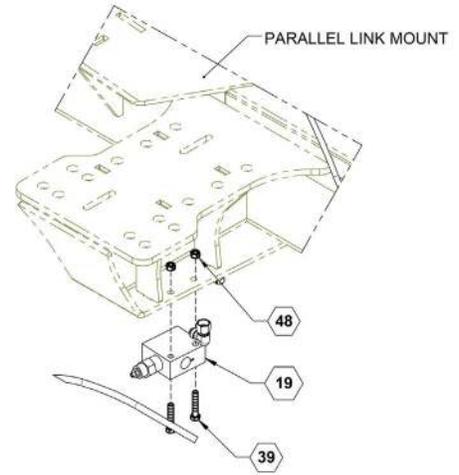
### 60 Foot Bare Toolbar Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 759      | 30   | ZERK, 1/4-28 STRAIGHT PIPE THREAD     |
| 3    | 15137    | 2    | PIN, FLIP WING LINKAGE                |
| 4    | 15155    | 4    | WLDMT, LATCH PIN                      |
| 6    | 15232    | 4    | LINKAGE BASE WLDMNT                   |
| 7    | 15277    | 4    | WASHER, STAINLESS STEEL               |
| 8    | 15537    | 2    | LINKAGE BASE WLDMNT                   |
| 9    | 15539    | 2    | PIN, FLIP WING                        |
| 15   | 21092    | 2    | WLDMT, FLIP LINKAGE MAIN              |
| 16   | 21094    | 2    | WLDMT, OUTER FLIP LINKAGE             |
| 24   | 26405    | 2    | WLDMNT, MAIN PIN                      |
| 31   | 530291   | 8    | BUSHING, 1-1/4" I.D. x 1" LG          |
| 32   | 540051   | 10   | P-CLAMP, 2" W/3/8" HOLE               |
| 33   | 540052   | 28   | P-CLAMP, 3" W/3/8" HOLE               |
| 34   | 590065   | 2    | BUMPER PAD, WING REST                 |
| 35   | 590133   | 8    | BOLT, FHSCS 3/8 X 1-1/4 SS            |
| 36   | 590265   | 4    | PLATE, WEAR                           |
| 38   | 596128M  | 4    | BOLT, HH 3/8-16 X 1 GR5 MAGNI         |
| 42   | 596153M  | 16   | BOLT, HH 1/2-13X1-1/2 GR5 MAGNI       |
| 43   | 596156M  | 4    | BOLT, HH 1/2 X 3 GR5 MAGNI            |
| 44   | 596157M  | 6    | BOLT, HH 1/2X3-1/2 GR5 MAGNI          |
| 46   | 596184M  | 12   | BOLT, HH 3/4X2 GR5 MAGNI              |
| 48   | 596237M  | 37   | NUT, CENTERLOCK 3/8-16 MAGNI          |
| 49   | 596239M  | 26   | NUT, CENTERLOCK, 1/2-13 MAGNI         |
| 50   | 596241M  | 12   | NUT, CENTERLOCK 3/4-10 MAGNI          |
| 52   | 596258M  | 7    | WASHER, FLAT 3/8 MAGNI                |
| 58   | 596744M  | 8    | BUSHING, MACHINE, 1-1/4 x 14 GA MAGNI |
| 61   | 596748M  | 4    | SNAP RING, 1-1/4" MAGNI               |

## 60 Foot Bare Toolbar Assembly

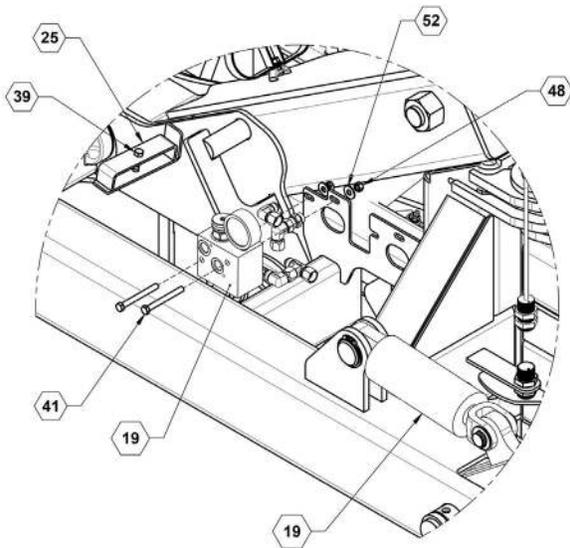


LH FOLD CYLINDERS

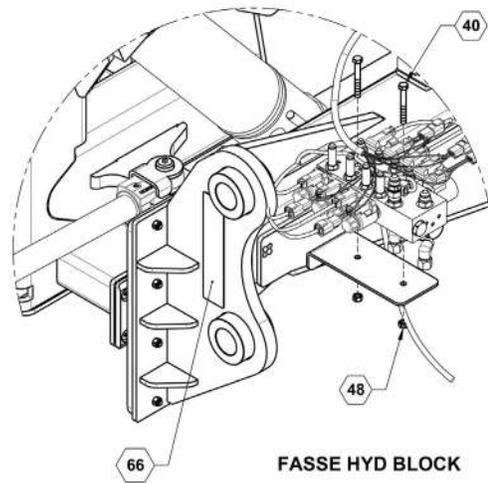


PARALLEL LINK MOUNT

COUNTERBALANCE VALVE



DOWN PRESSURE MANIFOLD



FASSE HYD BLOCK



## ILLUSTRATED PARTS LIST

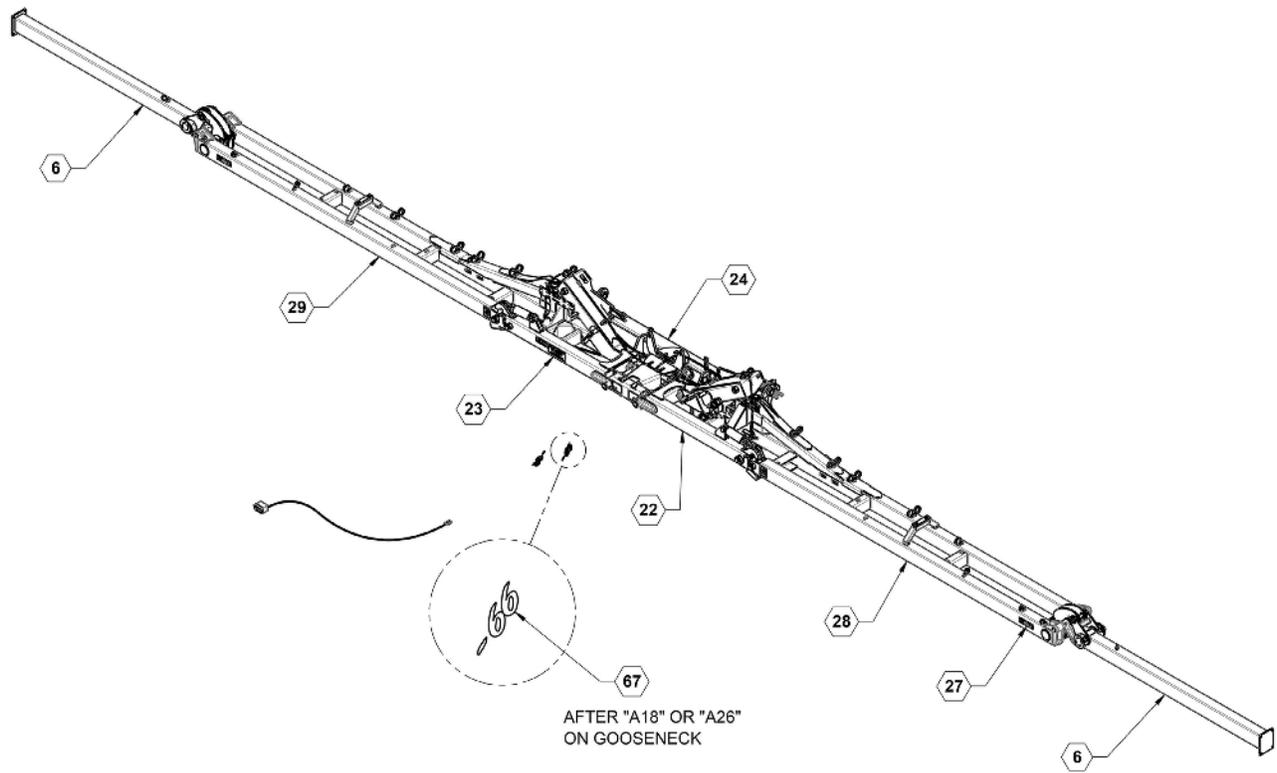
### 60 Foot Bare Toolbar Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 759      | 30   | ZERK, 1/4-28 STRAIGHT PIPE THREAD     |
| 17   | 21903    | 4    | WLDMNT, HORIZONTAL FOLD PIN           |
| 19   | 26023    | 1    | ASSY, STANDARD HYDRAULICS             |
| 25   | 26813    | 1    | PLATE, HOSE HOLD DOWN                 |
| 33   | 540052   | 28   | P-CLAMP, 3" W/3/8" HOLE               |
| 39   | 596130M  | 3    | BOLT, HH 3/8-16 X 2 GR5 MAGNI         |
| 40   | 596132M  | 2    | BOLT, HH 3/8-16 X 3 GR5 MAGNI         |
| 41   | 596133M  | 2    | BOLT, HH 3/8 X 3-1/2 GR5 MAGNI        |
| 48   | 596237M  | 37   | NUT, CENTERLOCK 3/8-16 MAGNI          |
| 52   | 596258M  | 7    | WASHER, FLAT 3/8 MAGNI                |
| 58   | 596744M  | 8    | BUSHING, MACHINE, 1-1/4 x 14 GA MAGNI |
| 59   | 596746M  | 4    | SPRING PIN 5X50mm MAGNI               |
| 66   | 800110   | 2    | DECAL, AMBER, REFLECTOR               |



# ILLUSTRATED PARTS LIST

## 66 Foot Bare Toolbar Assembly





## ILLUSTRATED PARTS LIST

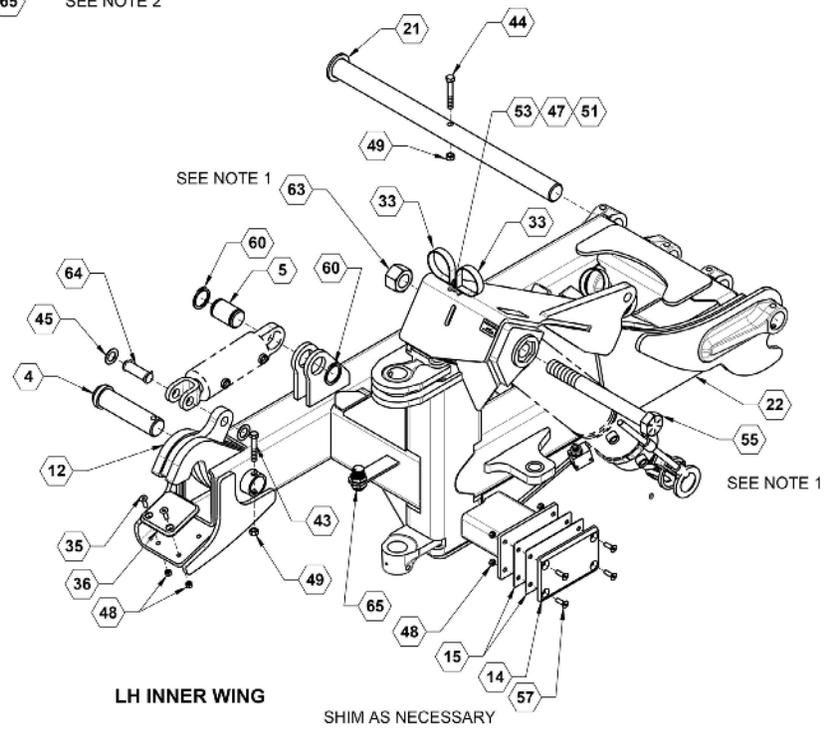
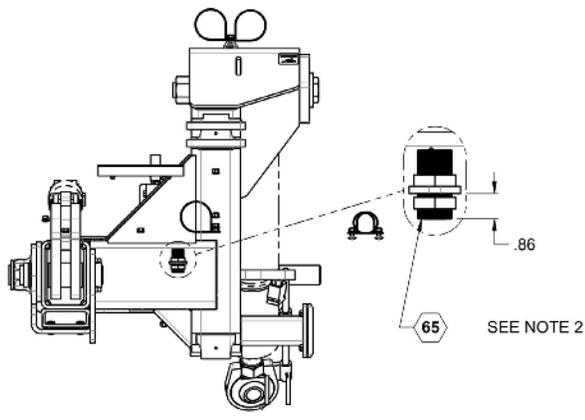
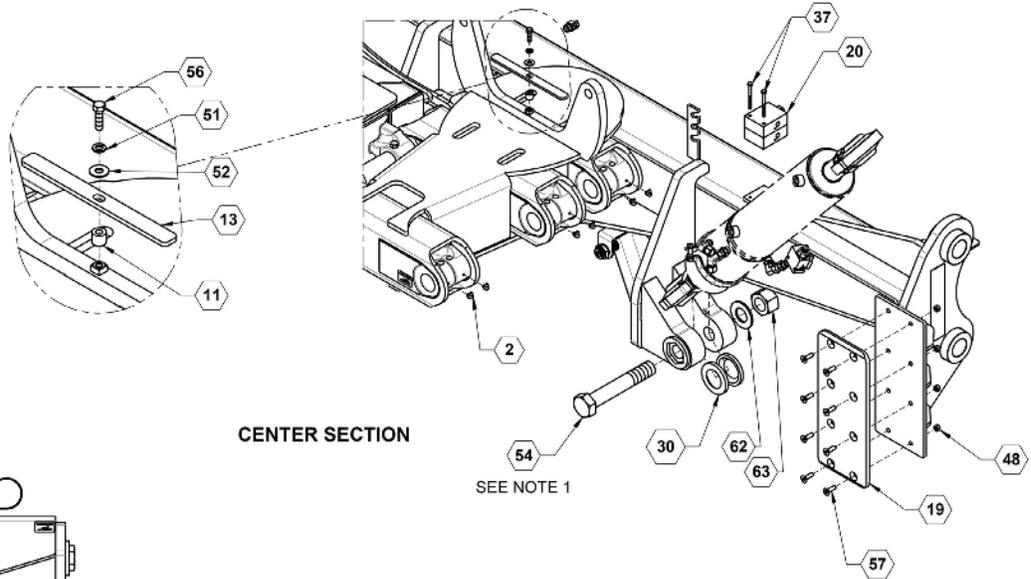
### 66 Foot Bare Toolbar Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION            |
|------|----------|------|------------------------|
| 6    | 15226    | 2    | 60' FLIP WING          |
| 22   | 26360    | 1    | WLDMNT, LH INNER WING  |
| 23   | 26361    | 1    | WLDMNT, RH INNER WING  |
| 24   | 26386    | 1    | WLDMNT, CENTER TOOLBAR |
| 27   | 26961    | 1    | DECALS, TOOLBAR        |
| 28   | 27070    | 1    | WLDMNT, LH MAIN WING   |
| 29   | 27071    | 1    | WLDMNT, RH MAIN WING   |
| 67   | 800232   | 2    | DECAL, -66 SILVER      |

## 66 Foot Bare Toolbar Assembly

NOTES:

1. TORQUE TO 400FT-LBS; USE 6 DROPS OF BLUE LOCTITE
2. SNUG NUTS WITH WRENCH - DO NOT OVER TIGHTEN





# ILLUSTRATED PARTS LIST

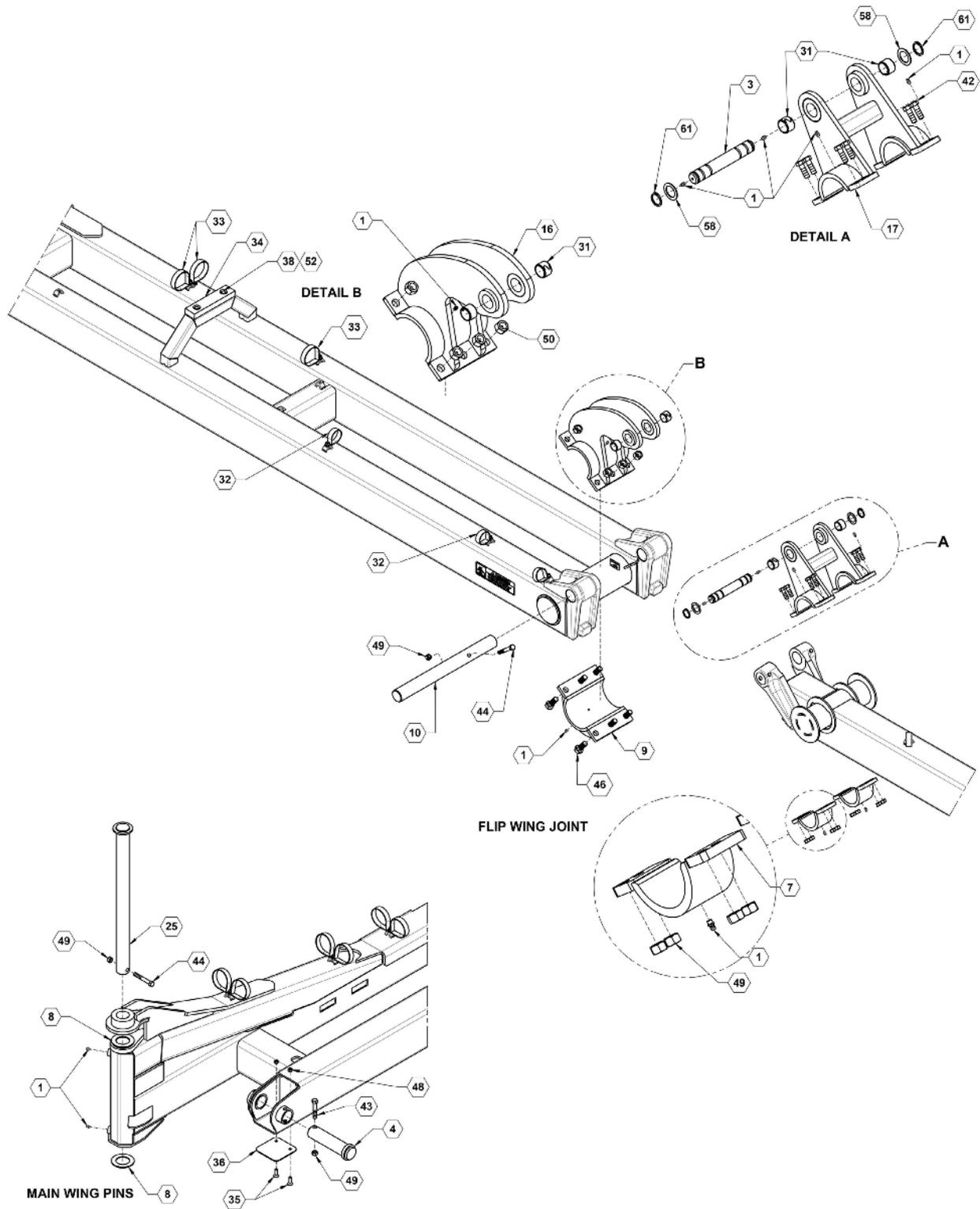
## 66 Foot Bare Toolbar Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                              |
|------|----------|------|--|
| 2    | 761      | 12   | ZERK, 90°, 1/4-28 STRAIGHT PIPE THREAD   |
| 4    | 15155    | 4    | WLDMT, LATCH PIN                         |
| 5    | 15179    | 2    | PIN, LATCH CYLINDER BASE                 |
| 11   | 15566    | 1    | SPACER, HOSE BRACKET                     |
| 12   | 15630    | 2    | LATCH WLDMNT                             |
| 13   | 15844    | 1    | PLATE, HOSE HOLDER                       |
| 14   | 21090    | 2    | PAD, UHMW, WING BUMP                     |
| 15   | 21091    | 4    | PLATE, BUMP PAD SHIM                     |
| 19   | 21922    | 2    | UHMW, CENTER LOWER BUMP PAD              |
| 20   | 26023    | 1    | ASSY, STANDARD HYDRAULICS                |
| 21   | 26165    | 2    | WLDMNT, WING PIVOT PIN                   |
| 22   | 26360    | 1    | WLDMNT, LH INNER WING                    |
| 30   | 27918    | 4    | UHMW, CYLINDER SPACER RING               |
| 33   | 540052   | 28   | P-CLAMP, 3" W/3/8" HOLE                  |
| 35   | 590133   | 8    | BOLT, FHSCS 3/8 X 1-1/4 SS               |
| 36   | 590265   | 4    | PLATE, WEAR                              |
| 37   | 596110M  | 2    | BOLT, HH 1/4-20 X 3 MAGNI                |
| 43   | 596156M  | 4    | BOLT, HH 1/2 X 3 GR5 MAGNI               |
| 44   | 596157M  | 6    | BOLT, HH 1/2X3-1/2 GR5 MAGNI             |
| 45   | 596179M  | 4    | BUSHING, MACHINED 1" X 14GA MAGNI        |
| 47   | 596213M  | 26   | NUT, HEX 3/8-16 MAGNI                    |
| 48   | 596237M  | 37   | NUT, CENTERLOCK 3/8-16 MAGNI             |
| 49   | 596239M  | 26   | NUT, CENTERLOCK, 1/2-13 MAGNI            |
| 51   | 596250M  | 27   | LOCKWASHER, 3/8 MAGNI                    |
| 52   | 596258M  | 7    | WASHER, FLAT 3/8 MAGNI                   |
| 53   | 596592M  | 26   | BOLT, CARRIAGE 3/8-16 X 1 MAGNI          |
| 54   | 596593M  | 2    | BOLT, HH G8 1-1/2-6 X 9 MAGNI            |
| 55   | 596594M  | 2    | BOLT, HH G8 1-1/2-6 X 14 MAGNI           |
| 56   | 596635M  | 1    | BOLT, HH 3/8-16 x 1-1/4 MAGNI            |
| 57   | 596726M  | 24   | BOLT, FHSCS 3/8-16 X 1-1/4 MAGNI         |
| 60   | 596747M  | 4    | SNAP RING, 2" MAGNI                      |
| 62   | 596811M  | 2    | WASHER, FLAT 1-1/2 MAGNI                 |
| 63   | 596813M  | 4    | NUT, HEX 1-1/2-6 GR8 MAGNI               |
| 64   | 620072   | 1    | PIN, CYLINDER, 1" X 3-3/8", KIT PKG OF 2 |
| 65   | 632048   | 4    | PROXIMITY SWITCH 10MM SENSE              |



# ILLUSTRATED PARTS LIST

## 66 Foot Bare Toolbar Assembly



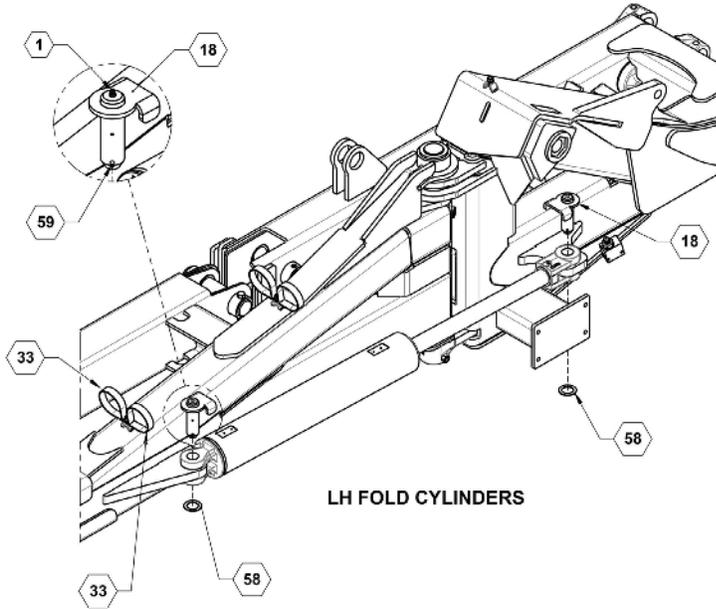


## ILLUSTRATED PARTS LIST

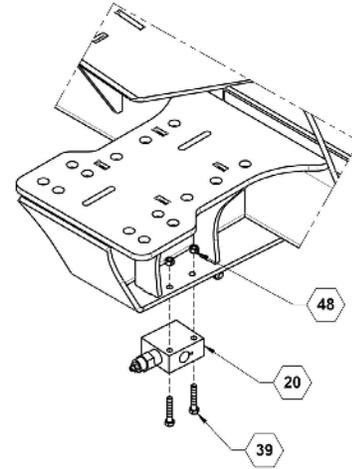
### 66 Foot Bare Toolbar Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 759      | 30   | ZERK, 1/4-28 STRAIGHT PIPE THREAD     |
| 3    | 15137    | 2    | PIN, FLIP WING LINKAGE                |
| 4    | 15155    | 4    | WLDMT, LATCH PIN                      |
| 7    | 15232    | 4    | LINKAGE BASE WLDMNT                   |
| 8    | 15277    | 4    | WASHER, STAINLESS STEEL               |
| 9    | 15537    | 2    | LINKAGE BASE WLDMNT                   |
| 10   | 15539    | 2    | PIN, FLIP WING                        |
| 16   | 21092    | 2    | WLDMT, FLIP LINKAGE MAIN              |
| 17   | 21094    | 2    | WLDMT, OUTER FLIP LINKAGE             |
| 25   | 26405    | 2    | WLDMNT, MAIN PIN                      |
| 31   | 530291   | 8    | BUSHING, 1-1/4" I.D. x 1" LG          |
| 32   | 540051   | 10   | P-CLAMP, 2" W/3/8" HOLE               |
| 33   | 540052   | 28   | P-CLAMP, 3" W/3/8" HOLE               |
| 34   | 590065   | 2    | BUMPER PAD, WING REST                 |
| 35   | 590133   | 8    | BOLT, FHSCS 3/8 X 1-1/4 SS            |
| 36   | 590265   | 4    | PLATE, WEAR                           |
| 38   | 596128M  | 4    | BOLT, HH 3/8-16 X 1 GR5 MAGNI         |
| 42   | 596153M  | 16   | BOLT, HH 1/2-13X1-1/2 GR5 MAGNI       |
| 43   | 596156M  | 4    | BOLT, HH 1/2 X 3 GR5 MAGNI            |
| 44   | 596157M  | 6    | BOLT, HH 1/2X3-1/2 GR5 MAGNI          |
| 46   | 596184M  | 12   | BOLT, HH 3/4X2 GR5 MAGNI              |
| 48   | 596237M  | 37   | NUT, CENTERLOCK 3/8-16 MAGNI          |
| 49   | 596239M  | 26   | NUT, CENTERLOCK, 1/2-13 MAGNI         |
| 50   | 596241M  | 12   | NUT, CENTERLOCK 3/4-10 MAGNI          |
| 52   | 596258M  | 7    | WASHER, FLAT 3/8 MAGNI                |
| 58   | 596744M  | 8    | BUSHING, MACHINE, 1-1/4 x 14 GA MAGNI |
| 61   | 596748M  | 4    | SNAP RING, 1-1/4" MAGNI               |

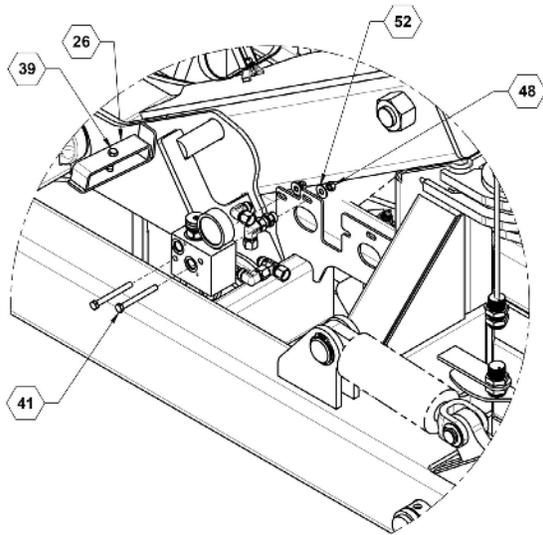
## 66 Foot Bare Toolbar Assembly



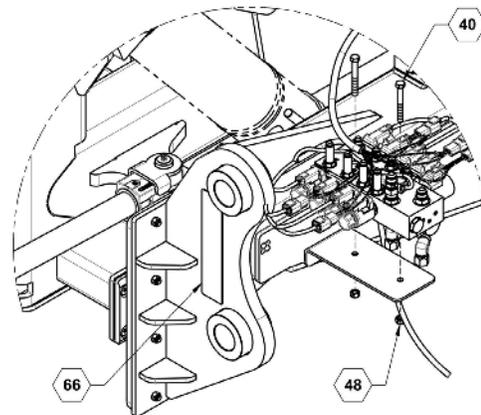
LH FOLD CYLINDERS



COUNTERBALANCE VALVE



DOWN PRESSURE MANIFOLD



FASSE HYD BLOCK



## ILLUSTRATED PARTS LIST

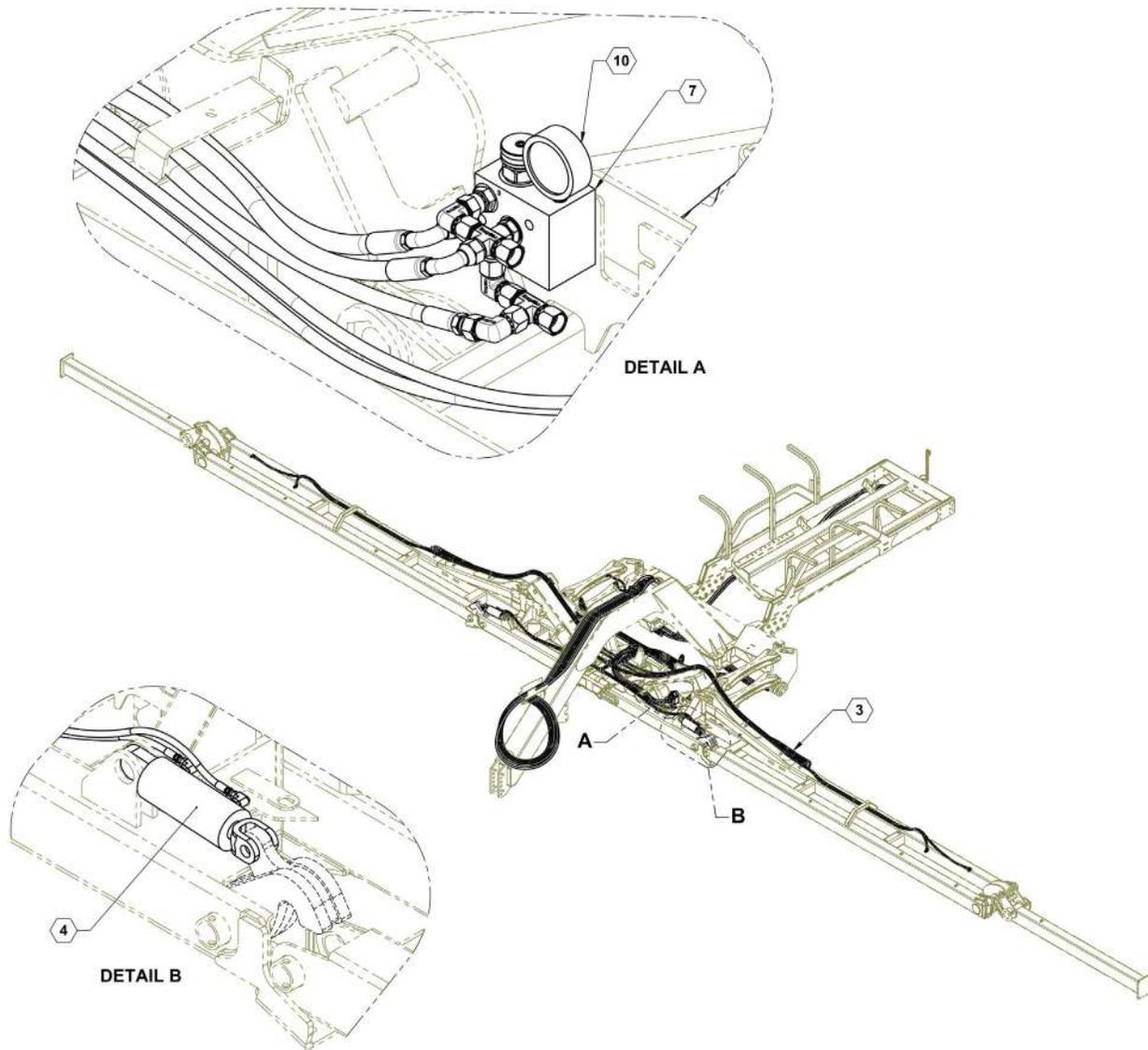
### 66 Foot Bare Toolbar Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 759      | 30   | ZERK, 1/4-28 STRAIGHT PIPE THREAD     |
| 18   | 21903    | 4    | WLDMNT, HORIZONTAL FOLD PIN           |
| 20   | 26023    | 1    | ASSY, STANDARD HYDRAULICS             |
| 26   | 26813    | 1    | PLATE, HOSE HOLD DOWN                 |
| 33   | 540052   | 28   | P-CLAMP, 3" W/3/8" HOLE               |
| 39   | 596130M  | 3    | BOLT, HH 3/8-16 X 2 GR5 MAGNI         |
| 40   | 596132M  | 2    | BOLT, HH 3/8-16 X 3 GR5 MAGNI         |
| 41   | 596133M  | 2    | BOLT, HH 3/8 X 3-1/2 GR5 MAGNI        |
| 48   | 596237M  | 37   | NUT, CENTERLOCK 3/8-16 MAGNI          |
| 52   | 596258M  | 7    | WASHER, FLAT 3/8 MAGNI                |
| 58   | 596744M  | 8    | BUSHING, MACHINE, 1-1/4 x 14 GA MAGNI |
| 59   | 596746M  | 4    | SPRING PIN 5X50mm MAGNI               |
| 66   | 800110   | 2    | DECAL, AMBER, REFLECTOR               |



# ILLUSTRATED PARTS LIST

## Standard Hydraulics Assembly



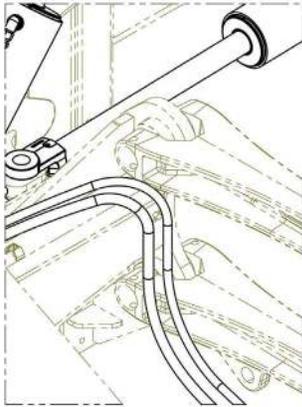


# ILLUSTRATED PARTS LIST

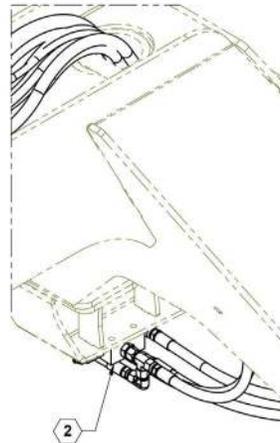
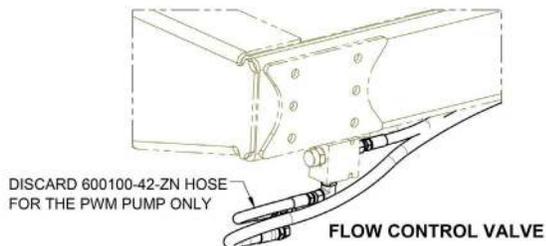
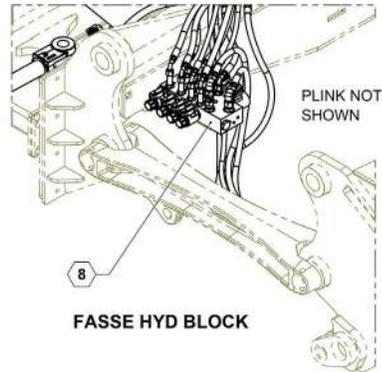
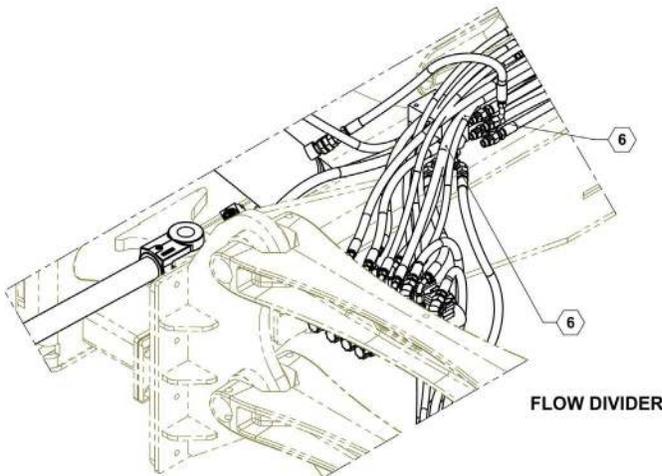
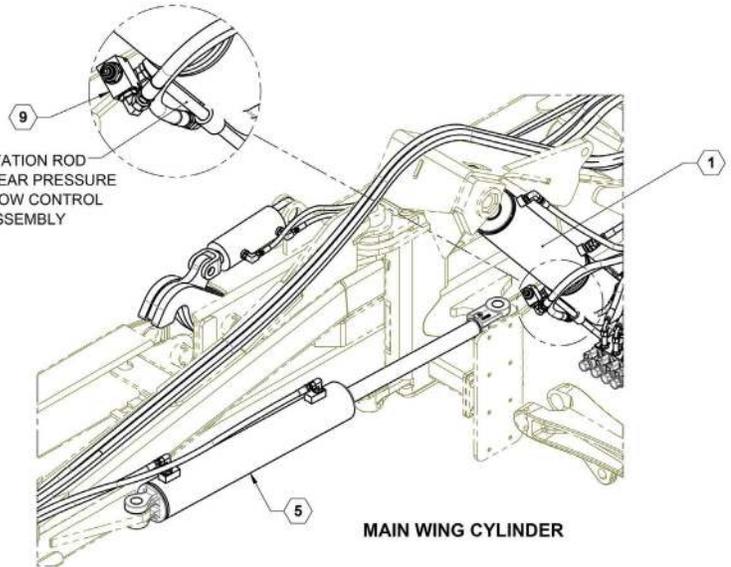
## Standard Hydraulics Assembly Parts List

| ITEM | PART NO. | VENDOR NO. | QTY. | DESCRIPTION                       |
|------|----------|------------|------|-----------------------------------|
| 3    | 600100   |            | 1    | ASSEMBLY, STANDARD HYDRAULIC KIT  |
| 4    | 620026   |            | 2    | CYLINDER 3X4 CUSTOM WING LATCH    |
| 7    | 630041   |            | 1    | MANIFOLD, HYDRAULIC DOWN PRESSURE |
| 7    |          | PRH121K20  | 1    | PRESSURE REDUCING VALVE           |
| 7    |          | CVH103P    | 1    | CHECK VALVE C10                   |
| 7    |          | 11441-015  | 1    | .015 ORIFICE                      |
| 10   | 790052   |            | 1    | PRESSURE GAUGE, 3000 PSI          |

## Standard Hydraulics Assembly



ACCUMULATOR MOUNT



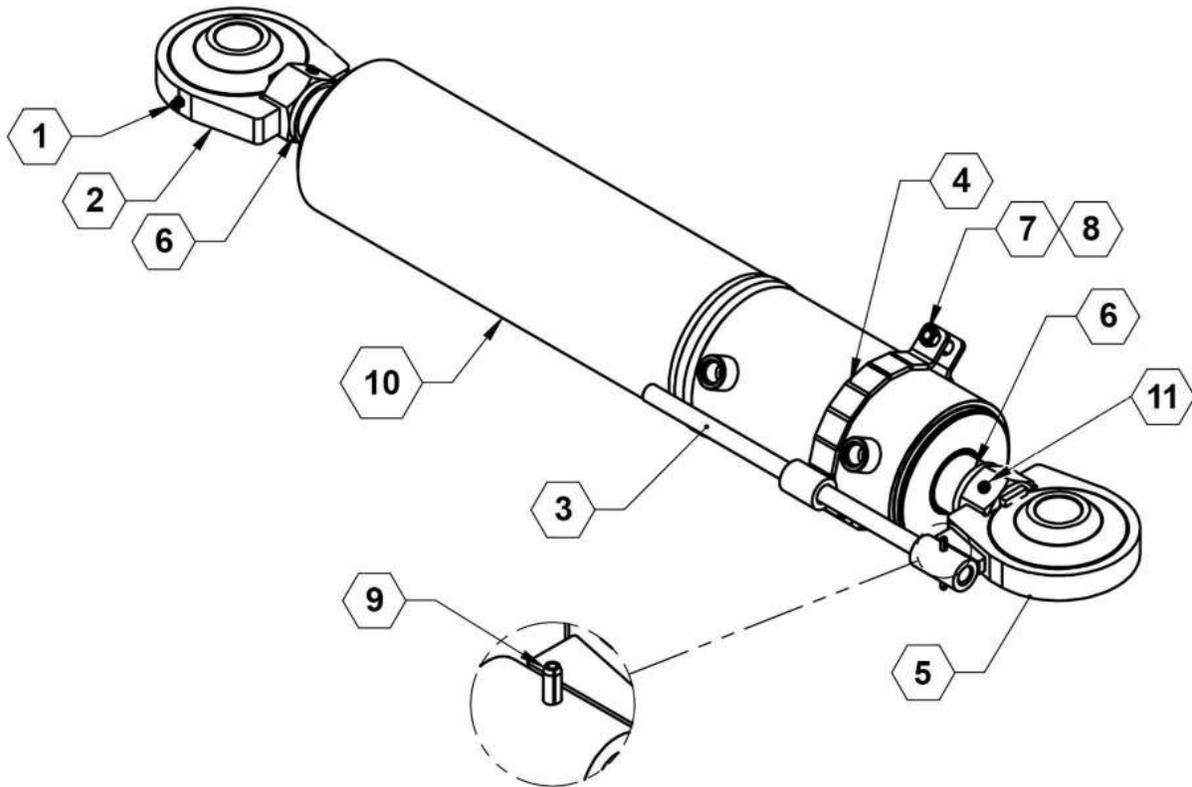


# ILLUSTRATED PARTS LIST

## Standard Hydraulics Assembly Parts List

| ITEM | PART NO. | VENDOR NO. | QTY. | DESCRIPTION   |
|------|----------|------------|------|---|
| 1    | 26640    |            | 2    | CYLINDER ASSEMBLY, 5"x5.25/13.25 SPHERICAL BALLS                |
| 2    | 500049   |            | 1    | COUNTERBALANCE VALVE  |
| 2    |          | VBSN-12U   | 1    | COUNTERBALANCE VALVE CARTRIDGE                                  |
| 5    | 620095   |            | 2    | CYLINDER 4.00 CUSHIONED   |
| 6    | 630035   |            | 2    | FLOW DIVIDER  |
| 6    |          | PRH121K20  | 1    | PRESSURE REDUCING VALVE   |
| 6    |          | SK12-3     | 1    | PRESSURE REDUCING VALVE SEAL KIT                                |
| 6    |          | CVH103P    | 1    | CHECK VALVE C10   |
| 6    |          | SK10-2     | 1    | CHECK VALVE C10 SEAL KIT  |
| 6    |          | 11441-015  | 1    | .015 ORIFICE  |
| 8    | 630051   |            | 1    | HYDRAULIC VALVE BLOCK AND SWITCH BOXKIT                         |
|      |          |            |      | <b>NOTE:</b> INCLUDES BLOCK, SWITCH BOX AND SWITCH BOX HARNESS. |
|      |          |            |      | <b>NOTE:</b> SEE HYDRAULIC BLOCK ASSEMBLY.                      |
|      |          |            |      | <b>NOTE:</b> SEE SWITCH BOX.                                    |
| 9    | 630053   |            | 2    | PRESSURE COMPENSATED FLOW CONTROL VALVE                         |
| 9    |          | FA101S-A8T | 1    | FLOW CONTROL CARTRIDGE  |
| 9    |          | SK10-2N    | 1    | SEAL KIT - NITRILE  |
| 9    |          | SK10-2V    | 1    | SEAL KIT - VITON  |

## Inner Fold Cylinder



### Inner Fold Cylinder Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                  |
|------|----------|------|------------------------------|
| 1    | 759      | 2    | ZERK, 1/4-28 STRAIGHT        |
| 2    | 26171    | 1    | 1.5" SPHERICAL BALL          |
| 3    | 26660    | 1    | CYLINDER, ROD, ANTI ROTATION |
| 4    | 26663    | 1    | CLAMP ANTI-ROTATION          |
| 5    | 26664    | 1    | SPHERICAL BALL ANTI-ROTATION |
| 6    | 27204    | 2    | SPACER, INNER WING LUG       |
| 7    | 596213M  | 1    | NUT, HEX 3/8-16 MAGNI        |
| 8    | 596328M  | 1    | BOLT, HH 3/8X1-1/2 GR8 MAGNI |
| 9    | 596746M  | 1    | SPRING PIN 5X50mm MAGNI      |
| 10   | 620094   | 1    | CYLINDER 5" x 5.25/13.25     |
| 11   | H011673  | 2    | SET SCREW, 3/8"-16 NC X 3/4" |



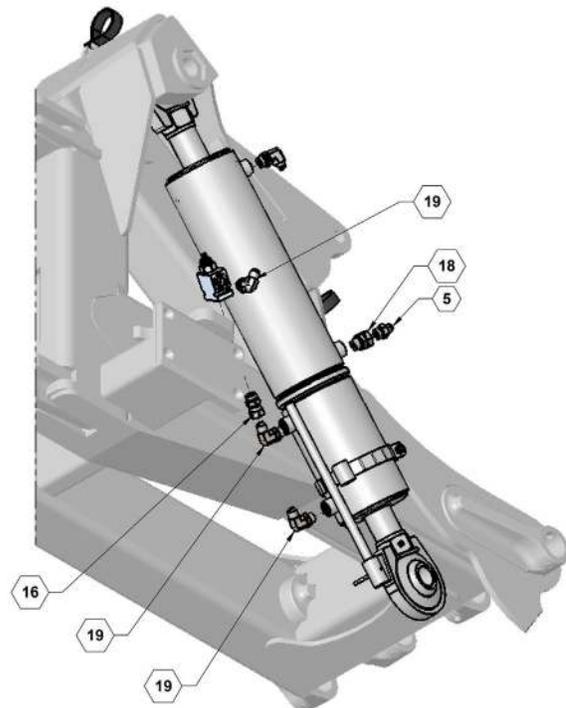
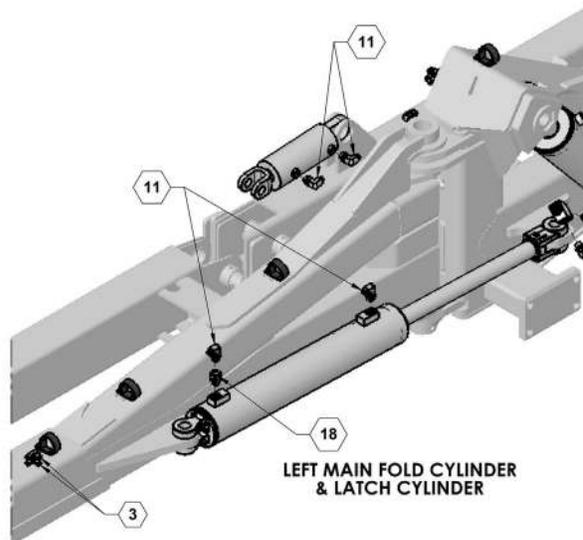
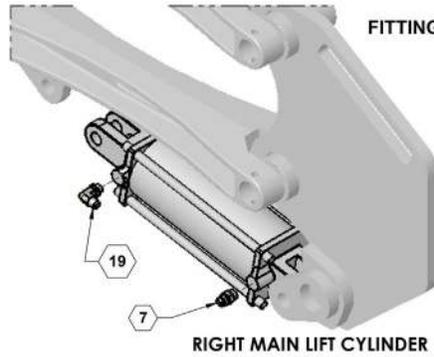
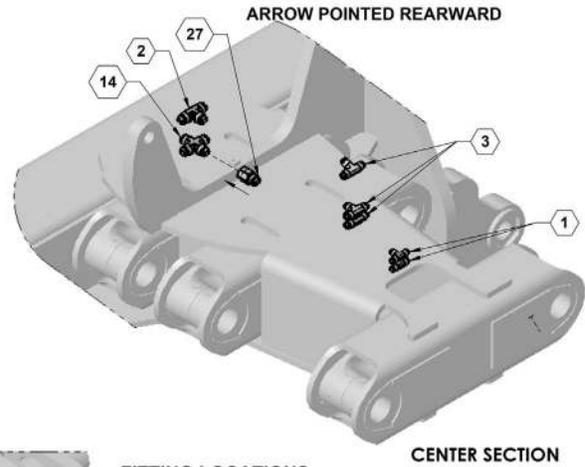
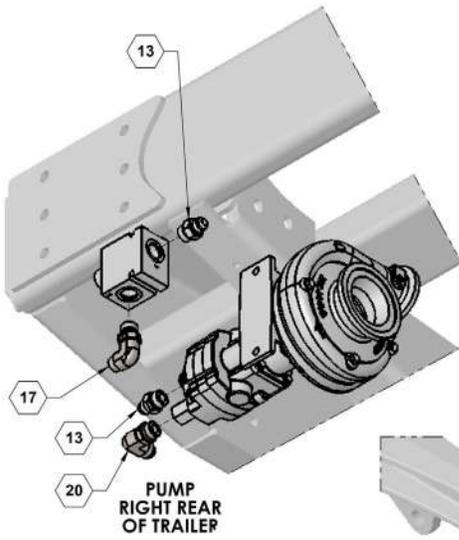
## ILLUSTRATED PARTS LIST

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**FAST GLOBAL**  
**SOLUTIONS**

## Hydraulic Fitting Locations



LEFT INNER WING CYLINDER



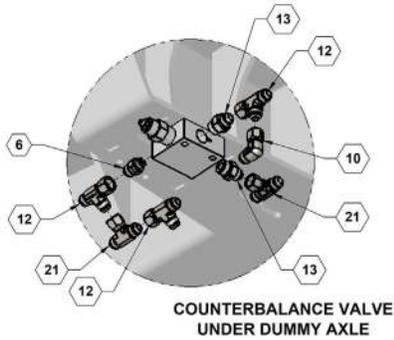
## ILLUSTRATED PARTS LIST

### Hydraulic Fitting Locations Parts List

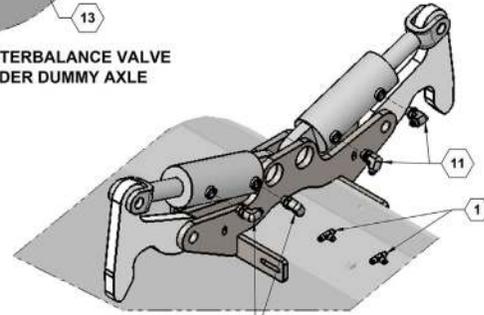
| ITEM | PART NO. | QTY. | DESCRIPTION                          |
|------|----------|------|--------------------------------------|
| 1    | 610003   | 4    | JIC #4 UNION TEE                     |
| 2    | 610004   | 2    | JIC #8 UNION TEE                     |
| 3    | 610005   | 7    | JIC UNION TEE #6                     |
| 5    | 610011   | 2    | JIC #6 TO O-RING #8                  |
| 7    | 610013   | 2    | JIC #8 TO O-RING #8                  |
| 11   | 610030   | 8    | JIC #6 TO O-RING #8 90 DEG           |
| 13   | 610060   | 3    | JIC #8 TO O-RING #10                 |
| 14   | 610071   | 1    | #8 JIC UNION CROSS                   |
| 16   | 610083   | 5    | #8 ORB X #8 JICF                     |
| 17   | 610086   | 1    | JIC #8 TO O-RING #10 ELBOW 90 DEGREE |
| 19   | 610097   | 6    | #8 JIC TO #8 O-RING 90               |
| 18   | 610096   | 6    | .047 CONICAL SPRING FITTING          |
| 20   | 610102   | 1    | JIC #10 TO O-RING #10 ELBOW 90       |
| 27   | 630054   | 1    | CHECK VALVE, -8MJIC x -8FJIC         |

## Hydraulic Fitting Locations

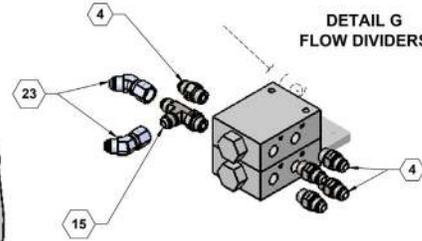
FITTING LOCATIONS CONTINUED



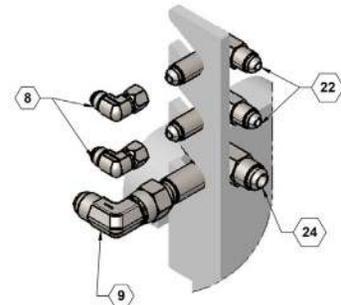
COUNTERBALANCE VALVE UNDER DUMMY AXLE



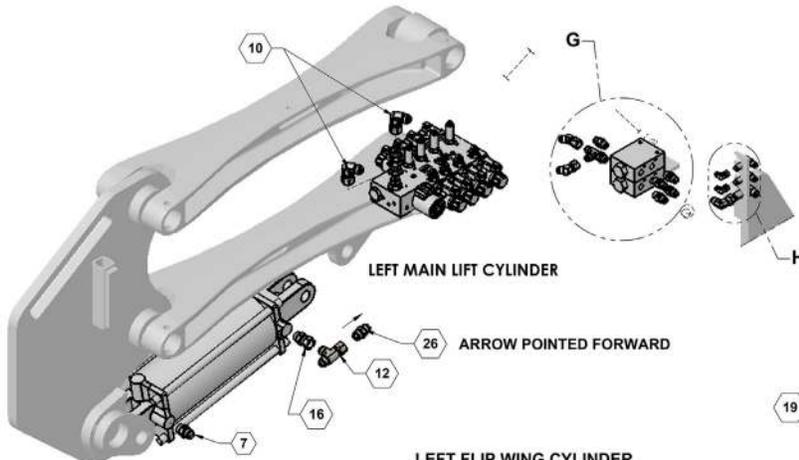
TOP OF GOOSENECK LATCH CYLINDERS



DETAIL G FLOW DIVIDERS

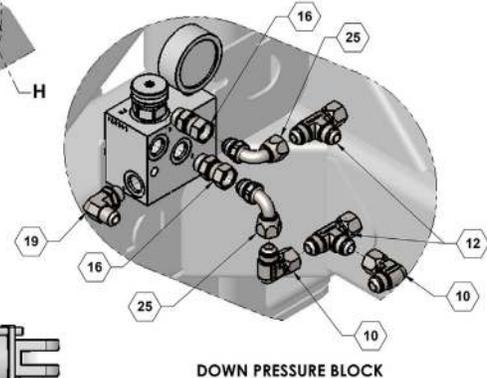
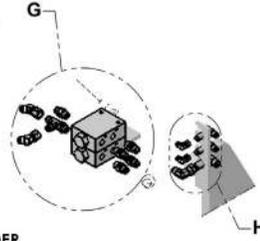
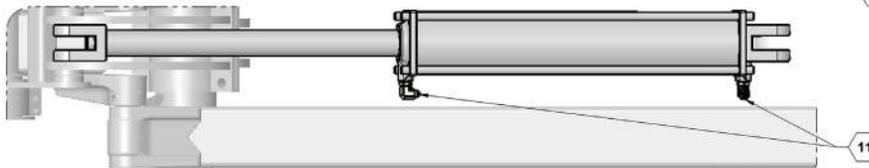


DETAIL H BULKHEAD FITTINGS



LEFT MAIN LIFT CYLINDER

LEFT FLIP WING CYLINDER



DOWN PRESSURE BLOCK



## ILLUSTRATED PARTS LIST

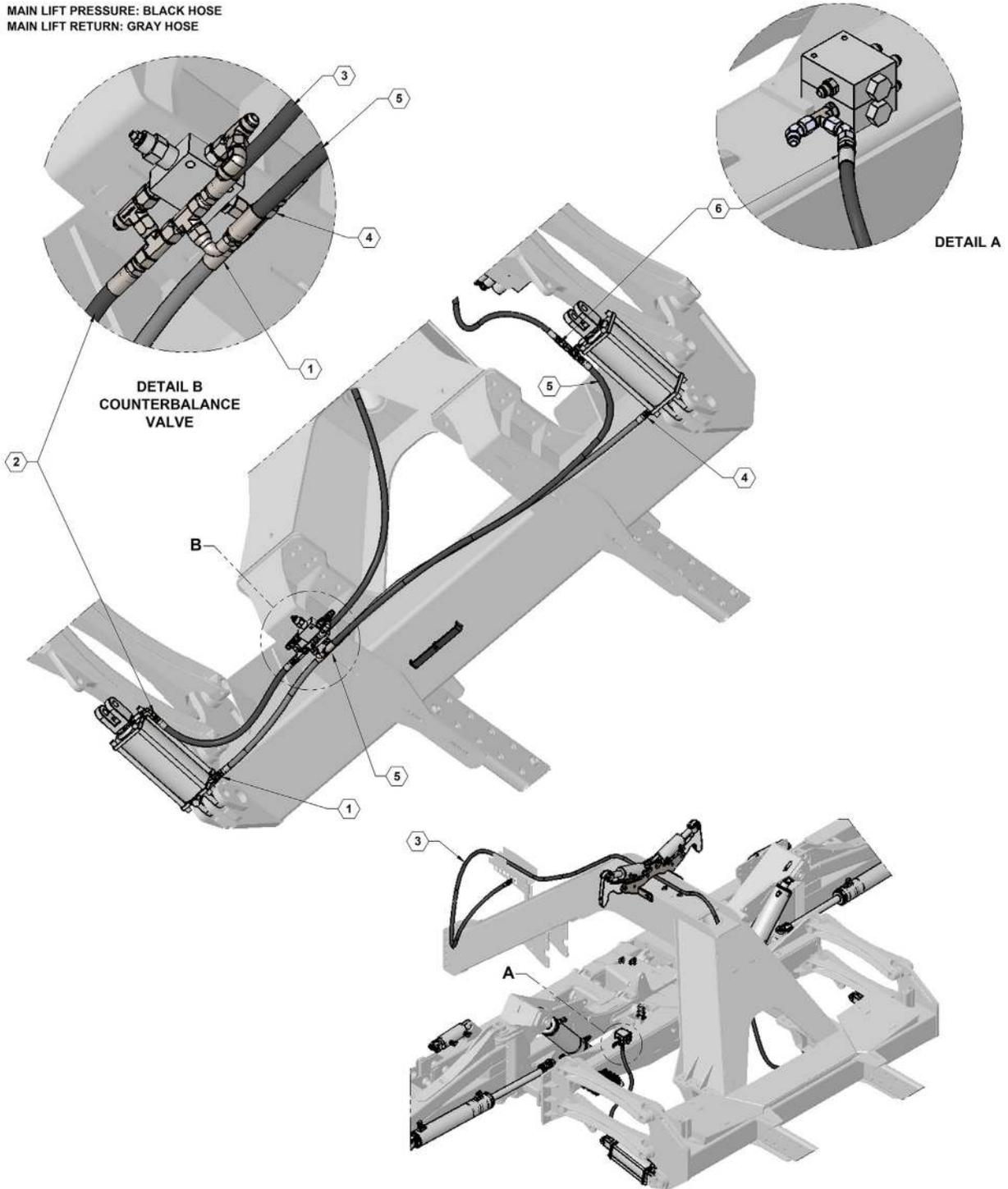
### Hydraulic Fitting Locations Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                   |
|------|----------|------|-------------------------------|
| 1    | 610003   | 4    | JIC #4 UNION TEE              |
| 4    | 610010   | 5    | JIC #6 TO O-RING #6           |
| 6    | 610012   | 1    | JIC #8 TO O-RING #6           |
| 7    | 610013   | 2    | JIC #8 TO O-RING #8           |
| 8    | 610022   | 3    | #4 MJIC X #4 FJX 90           |
| 9    | 610023   | 1    | JIC #6 90 DEG                 |
| 10   | 610024   | 5    | JIC #8 90 DEGREE              |
| 11   | 610030   | 18   | JIC #6 TO O-RING #8 90 DEG    |
| 12   | 610053   | 5    | JIC #8 SWIVEL RUN TEE         |
| 13   | 610060   | 3    | JIC #8 TO O-RING #10          |
| 15   | 610074   | 2    | O-RING #6 RUN TEE             |
| 16   | 610083   | 3    | FITTING #8 ORB X #8 JICF      |
| 19   | 610097   | 6    | #8 JIC TO #8 O-RING 90        |
| 21   | 610107   | 1    | #8 JIC SWIVEL BRANCH TEE      |
| 22   | 610141   | 3    | #4 JIC BULKHEAD TEE           |
| 23   | 610142   | 2    | #6 JIC SWIVEL ELBOW 45 DEGREE |
| 24   | 610055   | 1    | #6 JIC BULKHEAD TEE           |
| 25   | 610124   | 2    | #8 MJIC X #8 FJX 90 DEG       |
| 26   | 630043   | 1    | INLINE CHECK VALVE            |

## Main Lift Hydraulics

### MAIN LIFT HYDRAULIC HOSE ROUTING

MAIN LIFT PRESSURE: BLACK HOSE  
 MAIN LIFT RETURN: GRAY HOSE



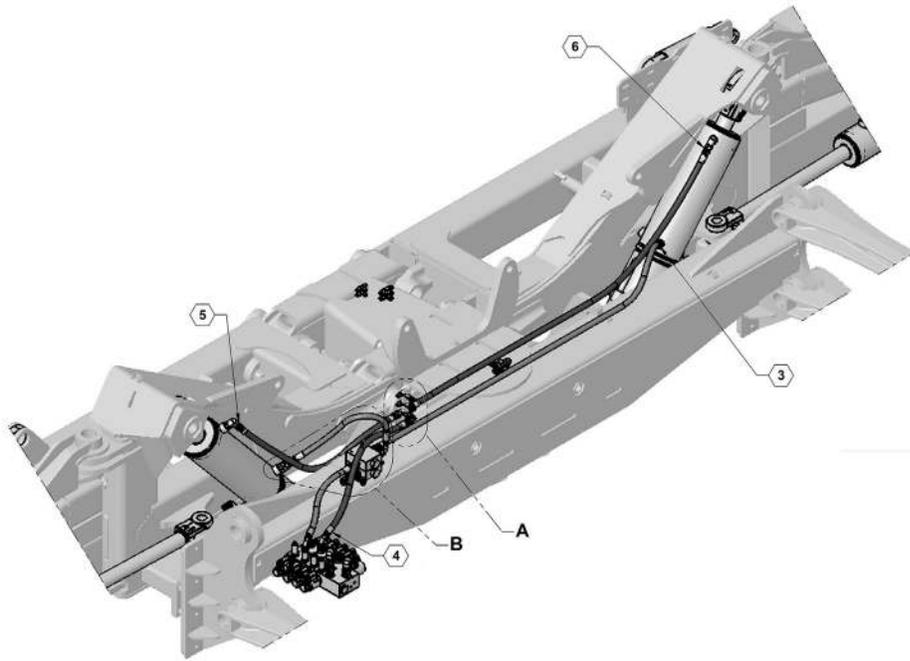


## ILLUSTRATED PARTS LIST

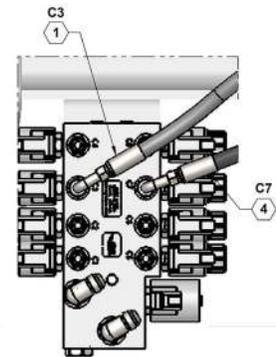
### Main Lift Hydraulics Parts List

| ITEM | PART NO.     | QTY. | DESCRIPTION                              |
|------|--------------|------|--|
| 1    | 600100-33-ZN | 1    | HYDRAULIC HOSE, 08-8FJX-8FJX-27          |
| 2    | 600100-34-ZN | 1    | HYDRAULIC HOSE, 08-FJX-8FJX-32           |
| 3    | 600100-35-ZN | 1    | HYDRAULIC HOSE, 08-8FJX-8FJX-PIONEER-232 |
| 4    | 600100-36-ZN | 1    | HYDRAULIC HOSE, 08-8FJX-8FJX-66          |
| 5    | 600100-37-ZN | 1    | HYDRAULIC HOSE, 08-8FJX90-8FJX-72        |
| 6    | 600100-38-ZN | 1    | HYDRAULIC HOSE, 06-8FJX-6FJX-34          |

## Inner Wing Hydraulics

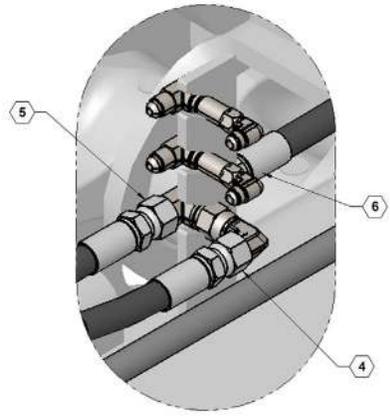


INNER WING PRESSURE: BLACK HOSE  
 INNER WING RETURN: GRAY HOSE

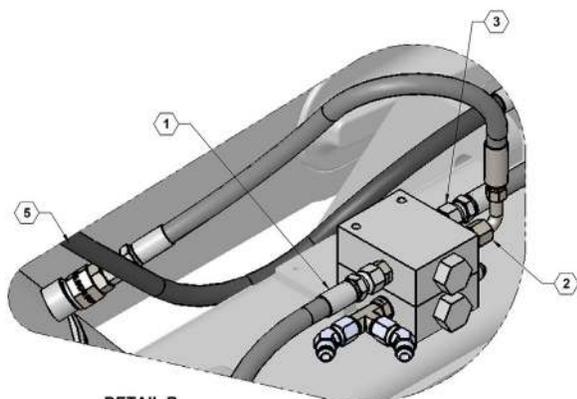


FASSE BLOCK

### INNER WING HYDRAULIC HOSE ROUTING



DETAIL A  
 BULKHEAD FITTINGS



DETAIL B

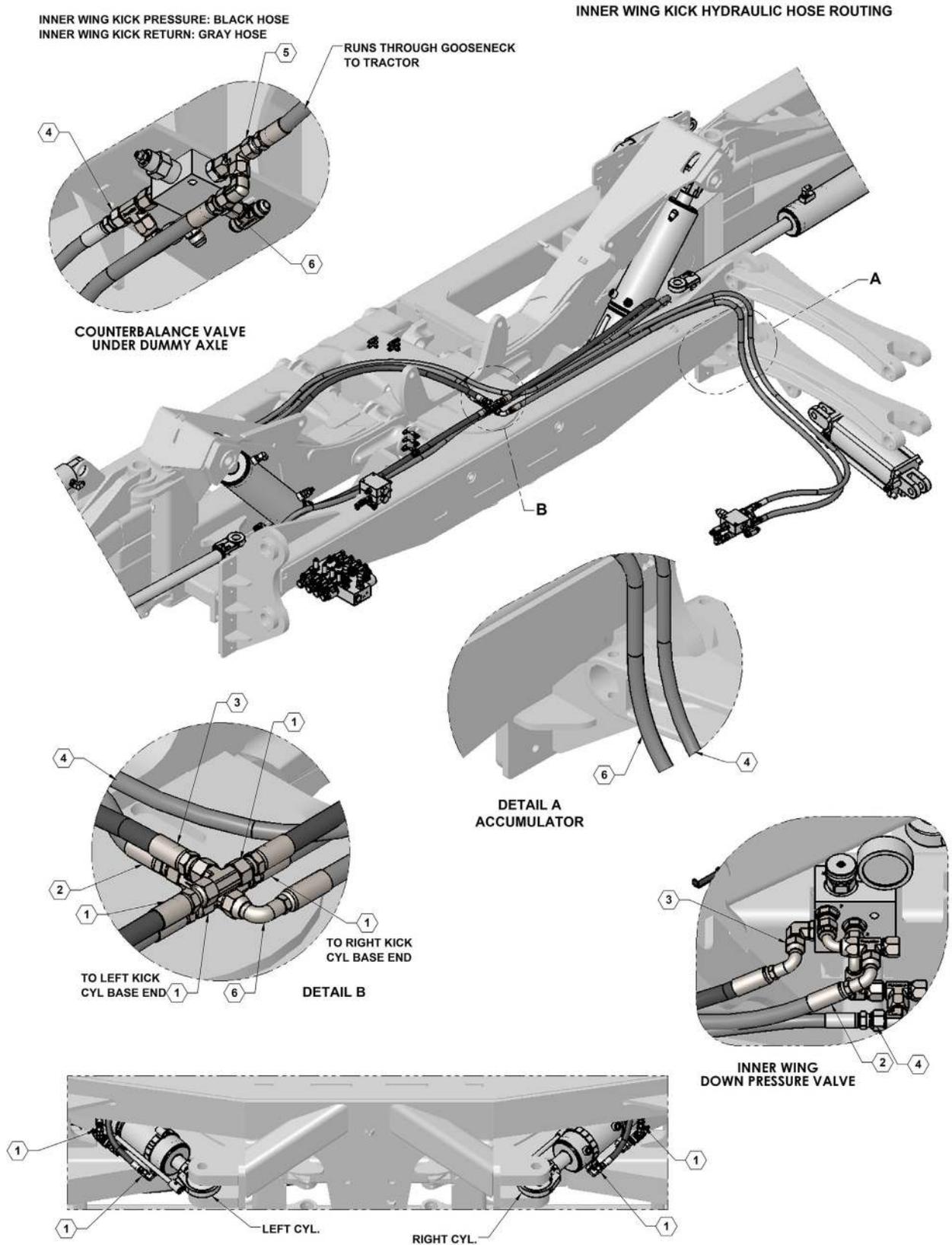


## ILLUSTRATED PARTS LIST

### Inner Wing Hydraulics Parts List

| ITEM | PART NO.     | QTY. | DESCRIPTION                       |
|------|--------------|------|-----------------------------------|
| 1    | 600100-23-ZN | 1    | HYDRAULIC HOSE, 06-6FJX90-6FJX-17 |
| 2    | 600100-25-ZN | 1    | HYDRAULIC HOSE, 06-6FJX90-6FJX-25 |
| 3    | 600100-29-ZN | 1    | HYDRAULIC HOSE, 06-6FJX-6FJX-61   |
| 4    | 600100-46-ZN | 1    | HYDRAULIC HOSE, 06-6FJX90-6FJX-27 |
| 5    | 600100-47-ZN | 1    | HYDRAULIC HOSE, 06-6FJX-6FJX-32   |
| 6    | 600100-48-ZN | 1    | HYDRAULIC HOSE, 06-6FJX-6FJX-63   |

## Inner Wing Kick Hydraulics





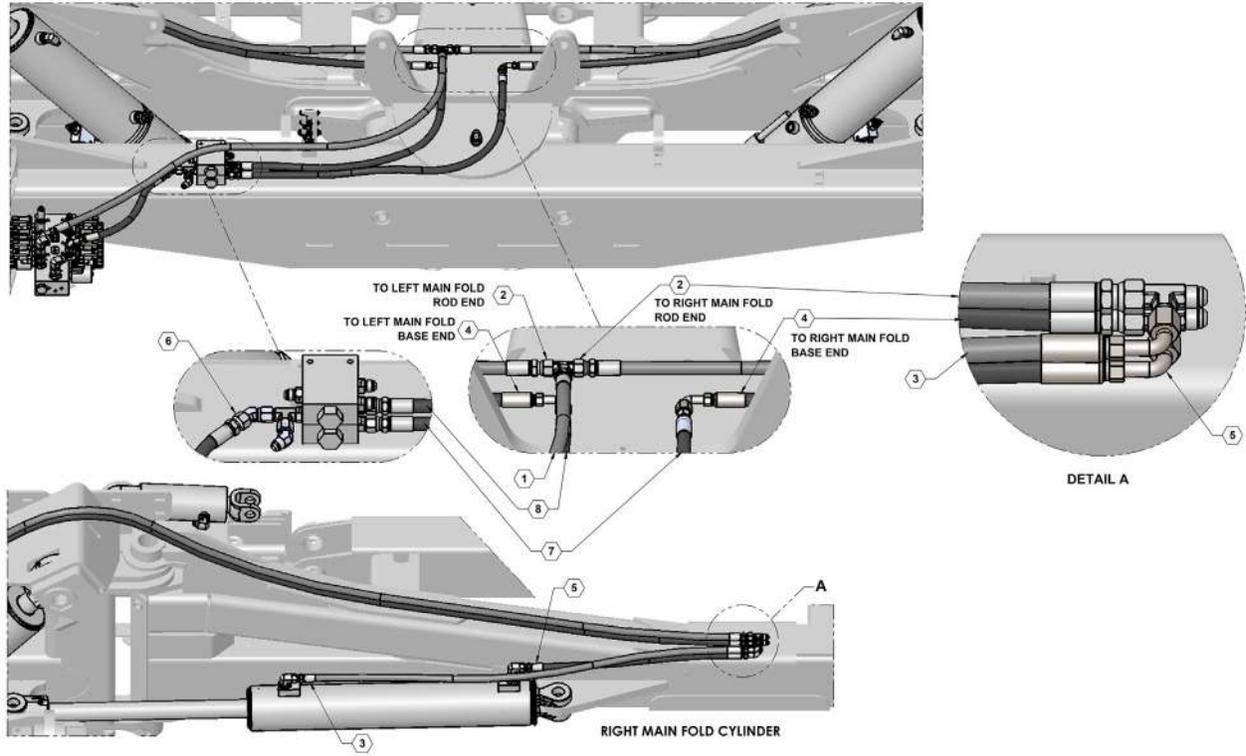
## ILLUSTRATED PARTS LIST

### Inner Wing Kick Hydraulics Parts List

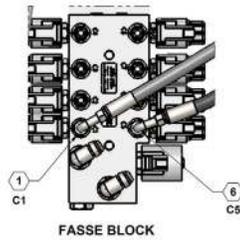
| ITEM | PART NO.     | QTY. | DESCRIPTION                              |
|------|--------------|------|--|
| 1    | 600100-26-ZN | 4    | HYDRAULIC HOSE, 08-8FJX-8FJX-53          |
| 2    | 600100-27-ZN | 1    | HYDRAULIC HOSE, 08-8FJX90-8FJX-62        |
| 3    | 600100-28-ZN | 1    | HYDRAULIC HOSE, 08-8FJX90-8FJX-59        |
| 4    | 600100-32-ZN | 1    | HYDRAULIC HOSE, 06-8FJX-6FJX-162         |
| 5    | 600100-35-ZN | 1    | HYDRAULIC HOSE, 08-8FJX-8FJX-PIONEER-232 |
| 6    | 600100-45-ZN | 1    | HYDRAULIC HOSE, 08-8FJX90-8FJX-104       |

## Main Fold Hydraulics

MAIN FOLD PRESSURE: BLACK HOSE  
 MAIN FOLD RETURN: GRAY HOSE



MAIN FOLD HYDRAULIC HOSE ROUTING





## ILLUSTRATED PARTS LIST

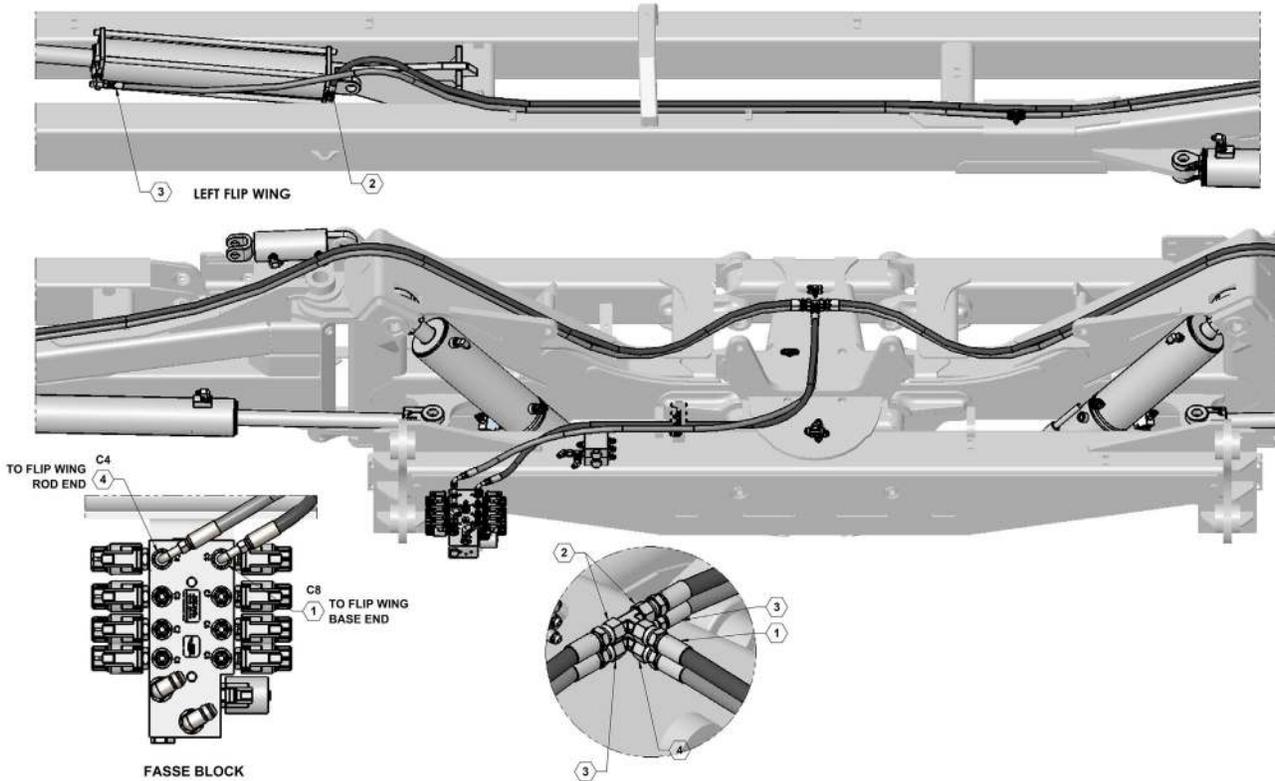
### Main Fold Hydraulics Parts List

| ITEM | PART NO.     | QTY. | DESCRIPTION                        |
|------|--------------|------|------------------------------------|
| 1    | 600100-13-ZN | 1    | HYDRAULIC HOSE, 06-6FJX90-6FJX-54  |
| 2    | 600100-14-ZN | 2    | HYDRAULIC HOSE, 06-6FJX-6FJX-128   |
| 3    | 600100-15-ZN | 2    | HYDRAULIC HOSE, 06-6FJX90-6FJX-47  |
| 4    | 600100-17-ZN | 2    | HYDRAULIC HOSE, 06-6FJX90-6FJX-126 |
| 5    | 600100-18-ZN | 2    | HYDRAULIC HOSE, 06-6FJX90-6FJX-24  |
| 6    | 600100-24-ZN | 1    | HYDRAULIC HOSE, 06-6FJX90-6FJX-15  |
| 7    | 600100-40-ZN | 1    | HYDRAULIC HOSE, 06-6FJX-6MJIC-32   |
| 8    | 600100-44-ZN | 1    | HYDRAULIC HOSE, 06-6FJX-6MJIC-32   |

## Flip Wing Hydraulics

FLIP WING PRESSURE: BLACK HOSE  
 FLIP WING RETURN: GRAY HOSE

FLIP WING HYDRAULIC HOSE ROUTING





## ILLUSTRATED PARTS LIST

### Flip Wing Hydraulics Parts List

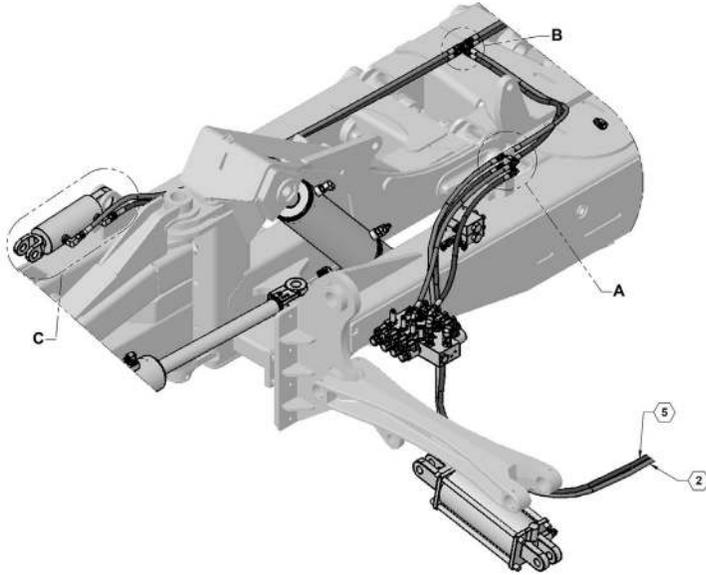
| ITEM | PART NO.     | QTY. | DESCRIPTION                       |
|------|--------------|------|-----------------------------------|
| 1    | 600100-4-ZN  | 1    | HYDRAULIC HOSE, 06-6FJX90-6FJX-59 |
| 2    | 600100-5-ZN  | 2    | HYDRAULIC HOSE, 06-6FJX-6FJX-220  |
| 3    | 600100-6-ZN  | 2    | HYDRAULIC HOSE, 06-6FJX-6FJX-243  |
| 4    | 600100-16-ZN | 1    | HYDRAULIC HOSE, 06-6FJX-6FJX-243  |



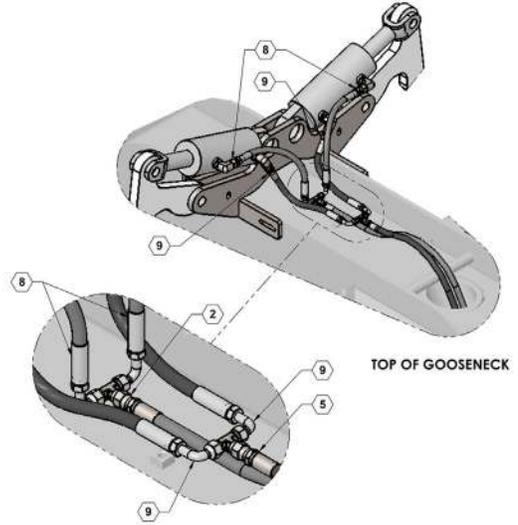
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## Latch Cylinders Hydraulics

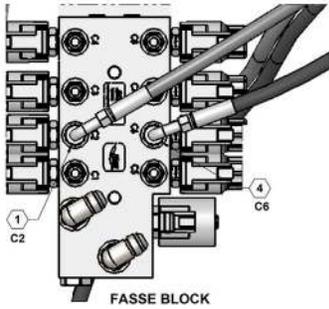
LATCH PRESSURE: BLACK HOSE  
LATCH RETURN: GRAY HOSE



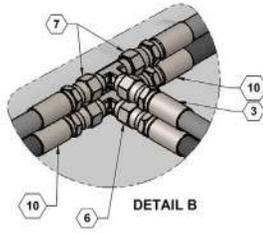
LATCH CYLINDERS HYDRAULIC HOSE ROUTING



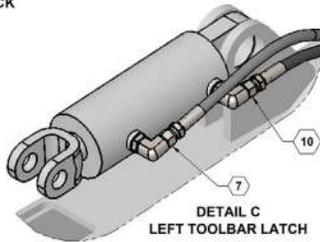
TOP OF GOOSENECK



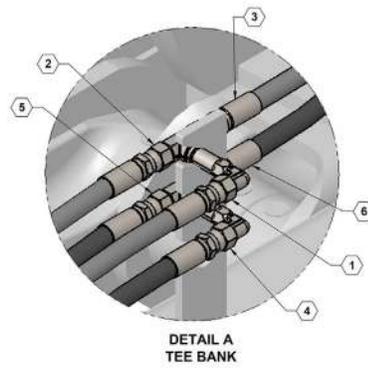
FASSE BLOCK



DETAIL B



DETAIL C  
LEFT TOOLBAR LATCH



DETAIL A  
TEE BANK



## ILLUSTRATED PARTS LIST

### Latch Cylinders Hydraulics Parts List

| ITEM | PART NO.     | QTY. | DESCRIPTION                       |
|------|--------------|------|-----------------------------------|
| 1    | 600100-7-ZN  | 1    | HYDRAULIC HOSE, 04-6FJX90-4FJX-30 |
| 2    | 600100-8-ZN  | 1    | HYDRAULIC HOSE, 04-4FJX-4FJX-164  |
| 3    | 600100-9-ZN  | 1    | HYDRAULIC HOSE, 04-4FJX-4FJX-36   |
| 4    | 600100-10-ZN | 1    | HYDRAULIC HOSE, 04-6FJX90-4FJX-27 |
| 5    | 600100-11-ZN | 1    | HYDRAULIC HOSE, 04-4FJX-4FJX-155  |
| 6    | 600100-12-ZN | 1    | HYDRAULIC HOSE, 04-4FJX-4FJX-35   |
| 7    | 600100-19-ZN | 2    | HYDRAULIC HOSE, 04-4FJX-4FJX-66   |
| 8    | 600100-20-ZN | 2    | HYDRAULIC HOSE, 04-4FJX-4FJX-15   |
| 9    | 600100-21-ZN | 2    | HYDRAULIC HOSE, 04-4FJX-4FJX-13   |
| 10   | 600100-22-ZN | 2    | HYDRAULIC HOSE, 04-4FJX-4FJX-60   |

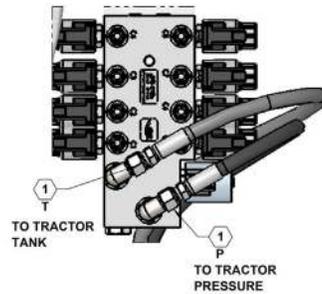
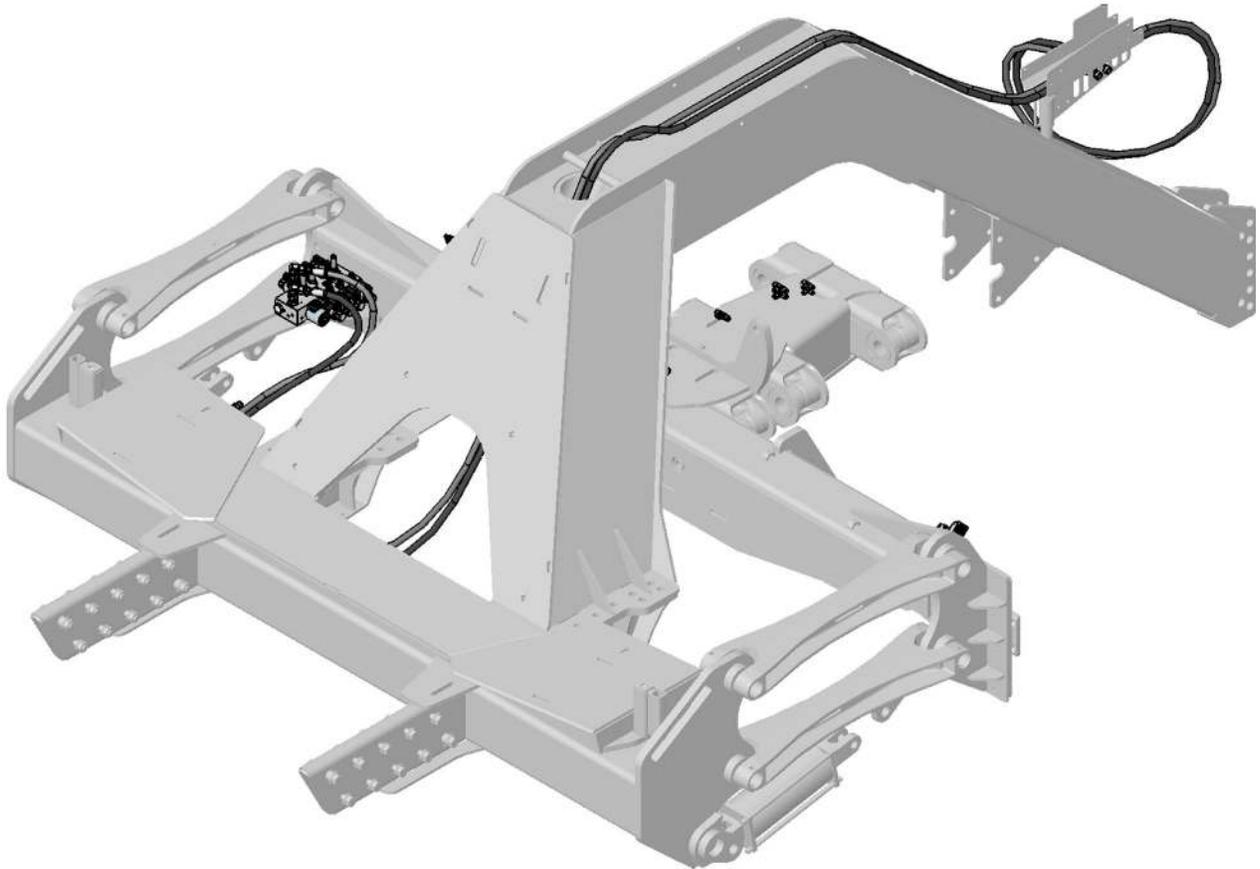


# ILLUSTRATED PARTS LIST

## Fasse Block Hydraulics

FASSE BLOCK PRESSURE: BLACK HOSE  
FASSE BLOCK RETURN: GRAY HOSE

FASSE BLOCK HYDRAULIC HOSE ROUTING





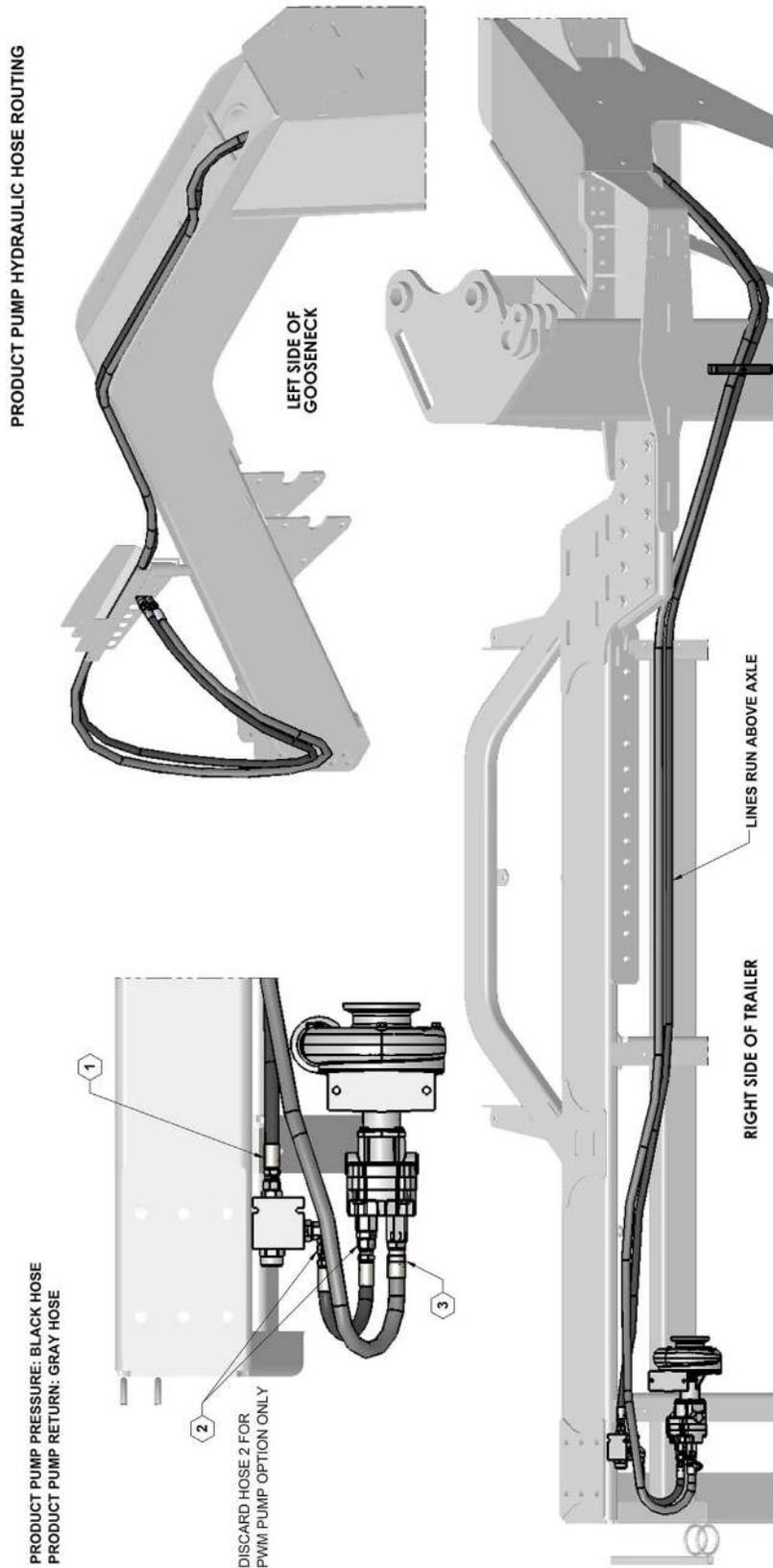
## ILLUSTRATED PARTS LIST

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### Fasse Block Hydraulics Parts List

| ITEM | PART NO.     | QTY. | DESCRIPTION                              |
|------|--------------|------|--|
| 1    | 600100-39-ZN | 2    | HYDRAULIC HOSE, 06-8FJX-8MOR-PIONEER-295 |

## Product Pump Hydraulics



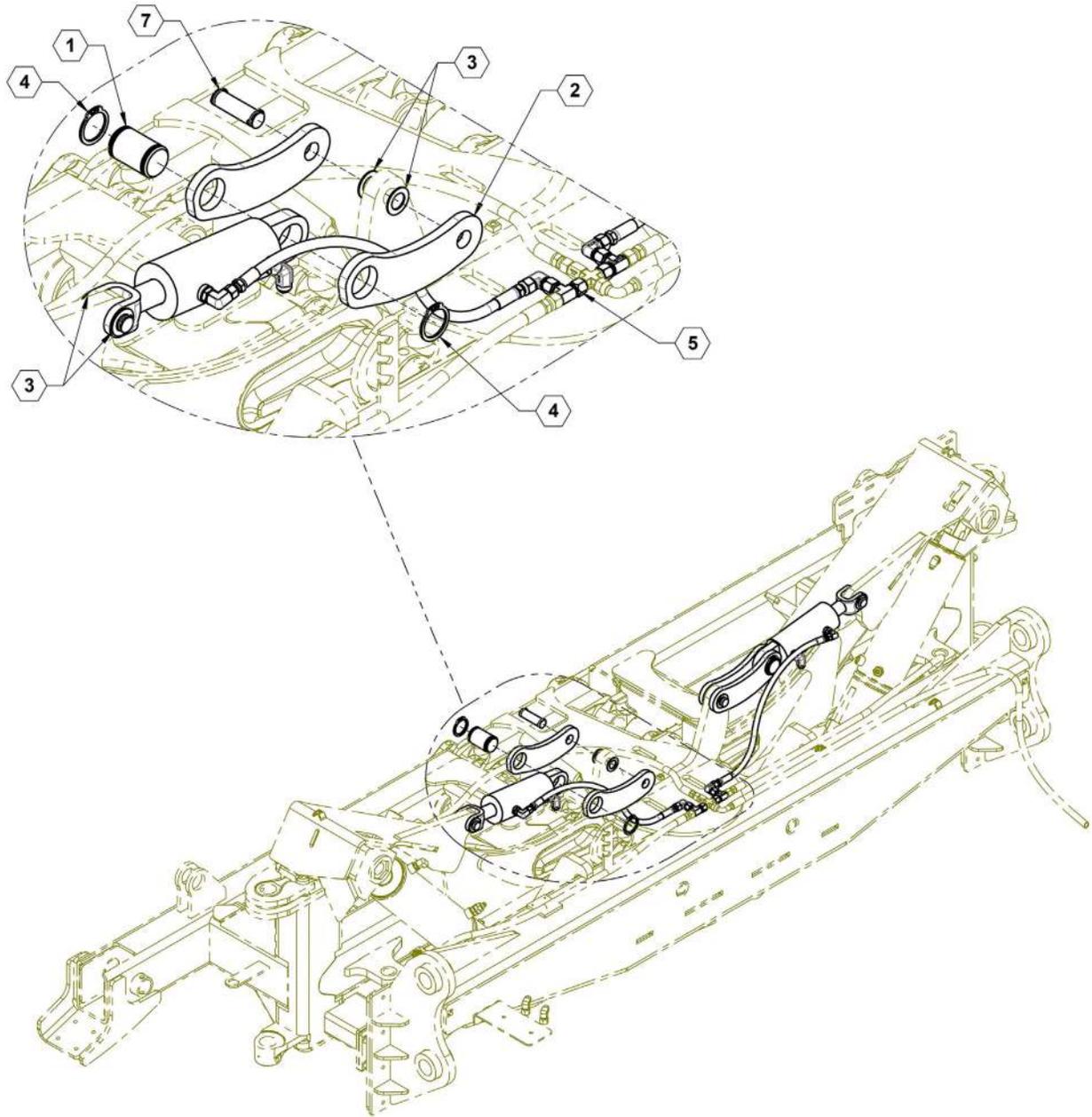


## ILLUSTRATED PARTS LIST

### Product Pump Hydraulics Parts List

| ITEM | PART NO.     | QTY. | DESCRIPTION                               |
|------|--------------|------|---|
| 1    | 600100-41-ZN | 1    | HYDRAULIC HOSE, 08-8FJX-8MOR-PIONEER-365  |
| 2    | 600100-42-ZN | 1    | HYDRAULIC HOSE, 08-8FJX-8FJX-14           |
| 3    | 600100-43-ZN | 1    | HYDRAULIC HOSE, 10-10FJX-8MOR-PIONEER-386 |

## Helper Cylinders Assembly



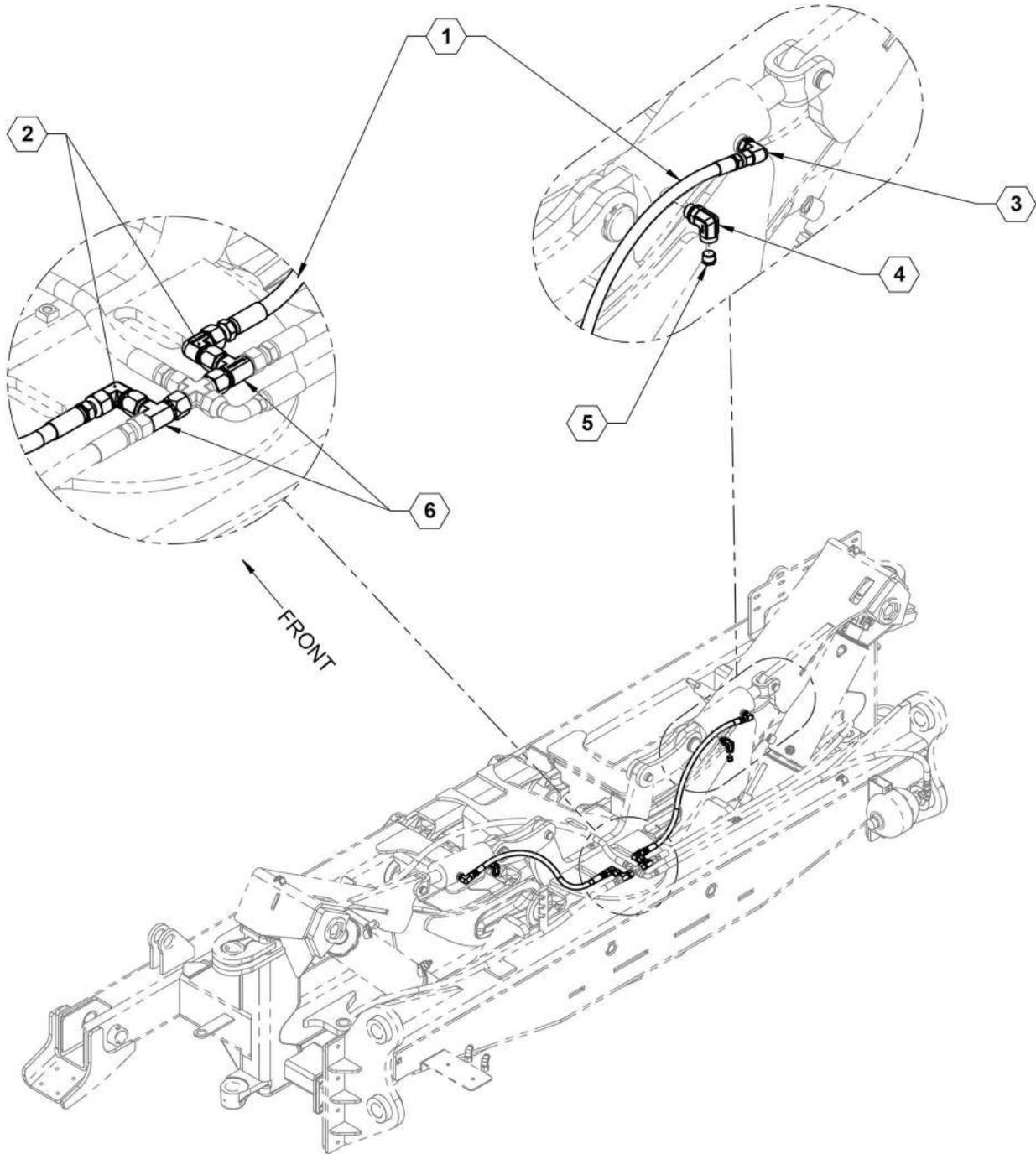


## ILLUSTRATED PARTS LIST

### Helper Cylinders Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                              |
|------|----------|------|--|
| 1    | 15179    | 2    | PIN, LATCH CYLINDER BASE                 |
| 2    | 26725    | 4    | PLATE, CYLINDER LINK                     |
| 3    | 596179M  | 8    | BUSHING, MACHINED 1" X 14GA MAGNI        |
| 4    | 596747M  | 4    | SNAP RING, 2" MAGNI                      |
| 5    | 600103   | 1    | HELPER CYLINDER HYDRAULIC KIT            |
| 6    | 620026   | 2    | WING LATCH CYLINDER                      |
| 6    | 649208   | 1    | REPAIR KIT                               |
| 7    | 620072   | 2    | PIN, CYLINDER, 1" X 3-3/8", KIT PKG OF 2 |

## Helper Cylinder Hydraulics



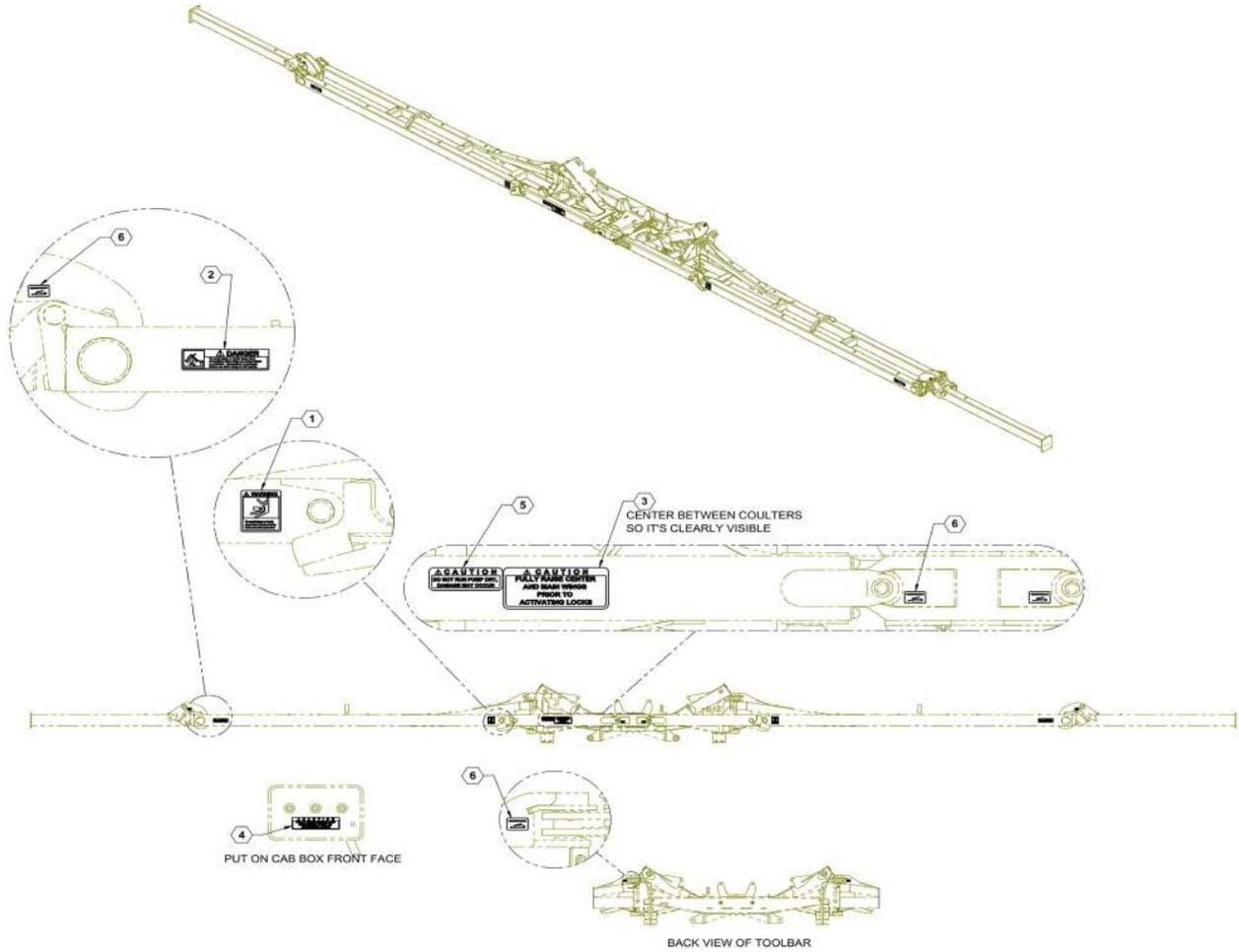


## ILLUSTRATED PARTS LIST

### Helper Cylinder Hydraulics Parts List

| ITEM | PART NO.    | QTY. | DESCRIPTION                      |
|------|-------------|------|----------------------------------|
| 1    | 600103-1-ZN | 2    | HOSE ASSEMBLY, 06-8FJX-6FJX-29   |
| 2    | 610024      | 2    | JIC #8 90 DEGREE                 |
| 3    | 610030      | 2    | JIC #6 TO O-RING #8 90 DEGREE    |
| 4    | 610035      | 2    | O-RING #8 TO 3/8" PIPE 90 DEGREE |
| 5    | 610036      | 2    | PLUG 3/8-18 BREATHER VENT        |
| 6    | 610053      | 2    | JIC #8 SWIVEL RUN TEE            |

## Toolbar Decals



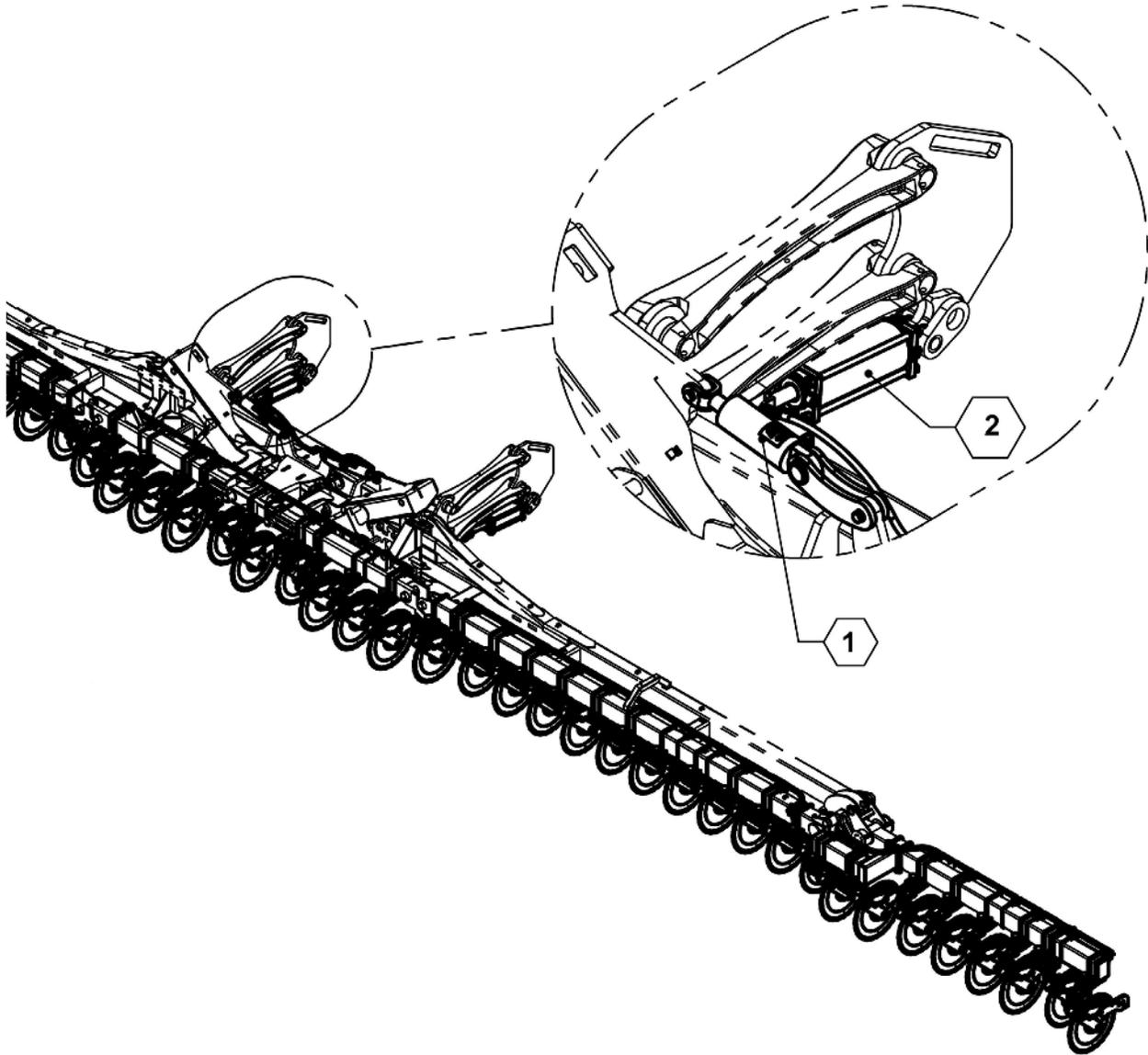


## ILLUSTRATED PARTS LIST

### Toolbar Decals Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                          |
|------|----------|------|--------------------------------------|
| 1    | 800105   | 2    | DECAL, WARNING-STAND CLEAR           |
| 2    | 800106   | 2    | DECAL, DANGER-STAND CLEAR            |
| 3    | 800249   | 1    | DECAL, FULLY RAISE CENTER            |
| 4    | 800252   | 1    | DECAL, CAUTION FULLY RAISE CENTER    |
| 5    | 800282   | 1    | DECAL, DO NOT RUN PUMP DRY , ENGLISH |
| 6    | 800287   | 8    | DECAL, GREASE PIVOT POINTS           |

## Main Lift and Helper Cylinders



### Main Lift and Helper Cylinders Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 26981    | 1    | HELPER CYLINDER ASSEMBLY              |
| 2    | 620073   | 2    | MAIN LIFT CYLINDER, 4" X 10" STROKE   |
| 2    | 620091   | 2    | MAIN LIFT CYLINDER, 4.5" X 10" STROKE |



## ILLUSTRATED PARTS LIST

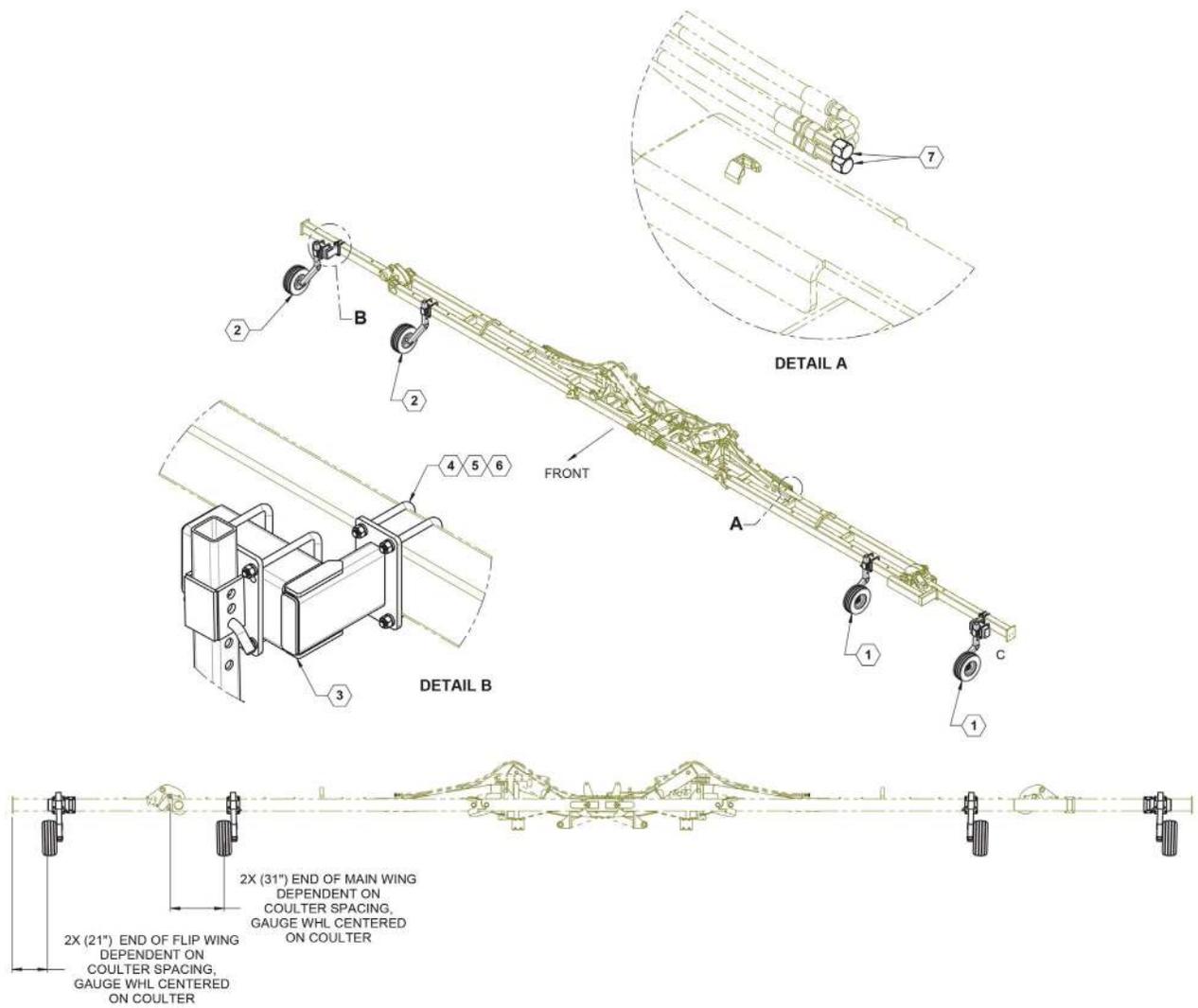
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# ILLUSTRATED PARTS LIST

## Non-Folding Gauge Wheels 60'



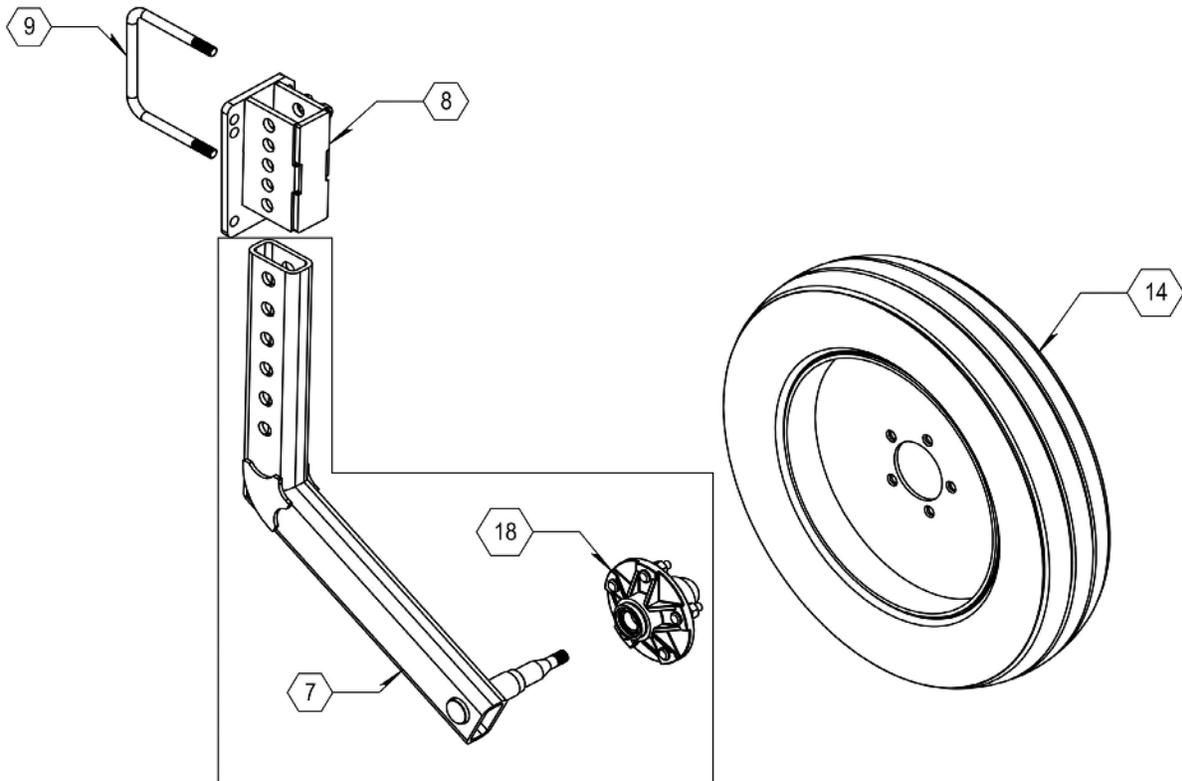
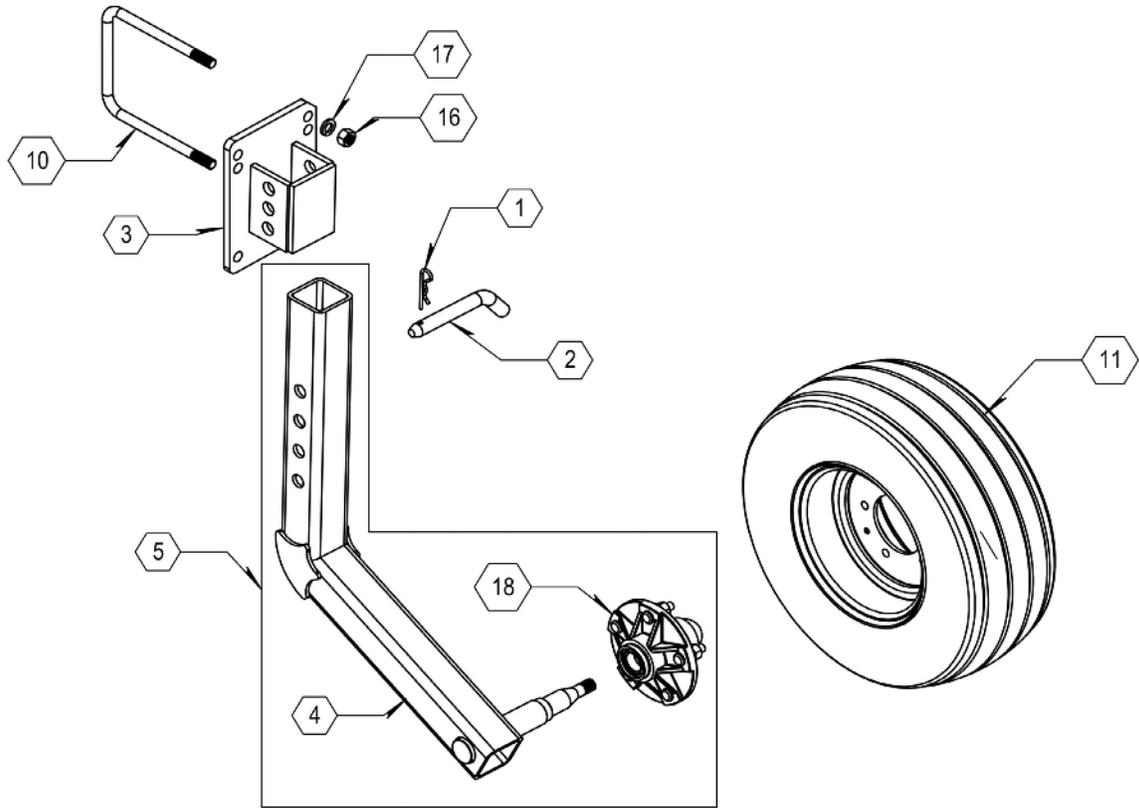


## ILLUSTRATED PARTS LIST

### Non-Folding Gauge Wheels 60' Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION             |
|------|----------|------|-------------------------|
| 1    | 19062L   | 2    | GAUGE WHEEL LH ASSEMBLY |
| 2    | 19062R   | 2    | GUAGE WHEEL RH ASSEMBLY |
| 3    | 27145    | 2    | STAND OFF TUBE          |
| 4    | 590061   | 4    | U-BOLT, 5/8 X 7" X 5"   |
| 5    | 596216M  | 8    | NUT, HEX 5/8-11 MAGNI   |
| 6    | 596253M  | 8    | LOCKWASHER 5/8 MAGNI    |
| 7    | 610143   | 4    | FJIC #6 CAP             |

### Gauge Wheel



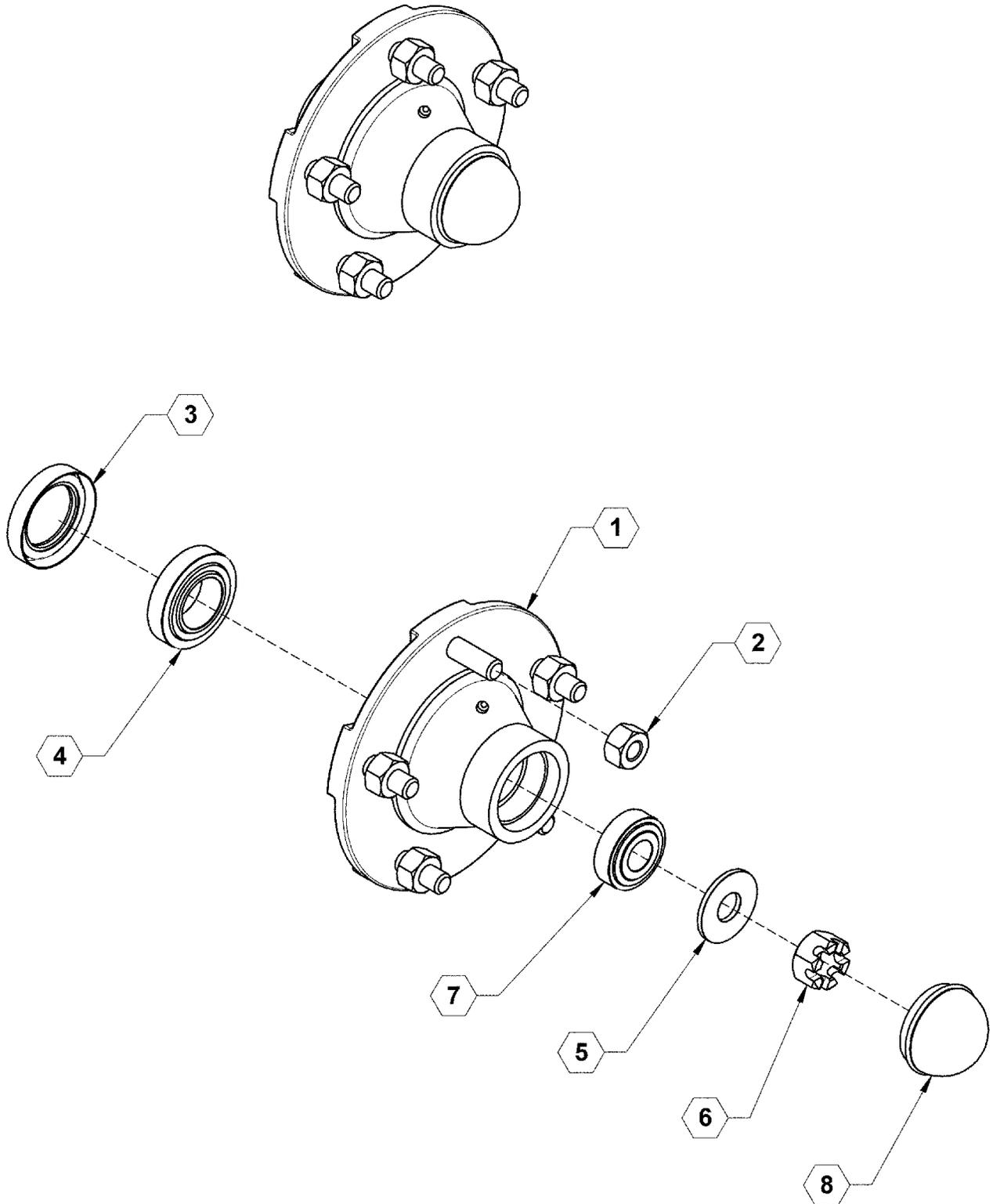


## ILLUSTRATED PARTS LIST

### Gauge Wheel Parts List

| ITEM | PART NO.   | QTY. | DESCRIPTION                  |
|------|------------|------|------------------------------|
| 1    | 285        | AR   | PIN, SPRING LOCK             |
| 2    | 19061      | AR   | PIN, CROSS                   |
| 3    | 19055L     | AR   | STANDARD GAUGE WHEEL MOUNT   |
| NS   | 19055R     | AR   | STANDARD GAUGE WHEEL MOUNT   |
| 4    | 19060L     | AR   | STANDARD GAUGE WHEEL ARM     |
| NS   | 19060R     | AR   | STANDARD GAUGE WHEEL ARM     |
| 5    | 19063L     | AR   | STANDARD ARM WITH HUB        |
| NS   | 19063R     | AR   | STANDARD ARM WITH HUB        |
| 6    | 22041L     | AR   | NARROW ARM WITH HUB          |
| NS   | 22041R     | AR   | NARROW ARM WITH HUB          |
| 7    | 22045L     | AR   | NARROW GAUGE WHEEL ARM       |
| NS   | 22045R     | AR   | NARROW GAUGE WHEEL ARM       |
| 8    | 22050L     | AR   | NARROW GAUGE WHEEL MOUNT     |
| NS   | 22050R     | AR   | NARROW GAUGE WHEEL MOUNT     |
| 9    | 590061     | AR   | U-BOLT 5/8 X 5 X 7"          |
| 10   | 590108     | AR   | U-BOLT 5/8 X 7 X 7"          |
| 11   | 700023     | AR   | WHEEL, 20.5 X 8 X 10, YELLOW |
| 12   | 700030     | AR   | WHEEL, 20.5 X 8 X 10, SILVER |
| 13   | 700133     | AR   | NARROW WHEEL, SILVER         |
| 14   | 700134     | AR   | NARROW WHEEL, YELLOW         |
| 15   | 730030     | AR   | NUT, LUG                     |
| 16   | 596216M    | AR   | NUT, HEX 5/8 MAGNI           |
| 17   | 596253M    | AR   | WASHER, LOCK 5/8 MAGNI       |
| 18   | 730003ASSY | AR   | Q736 HUB ASSEMBLY            |

**Q736 Hub Assembly, 5 Bolt**



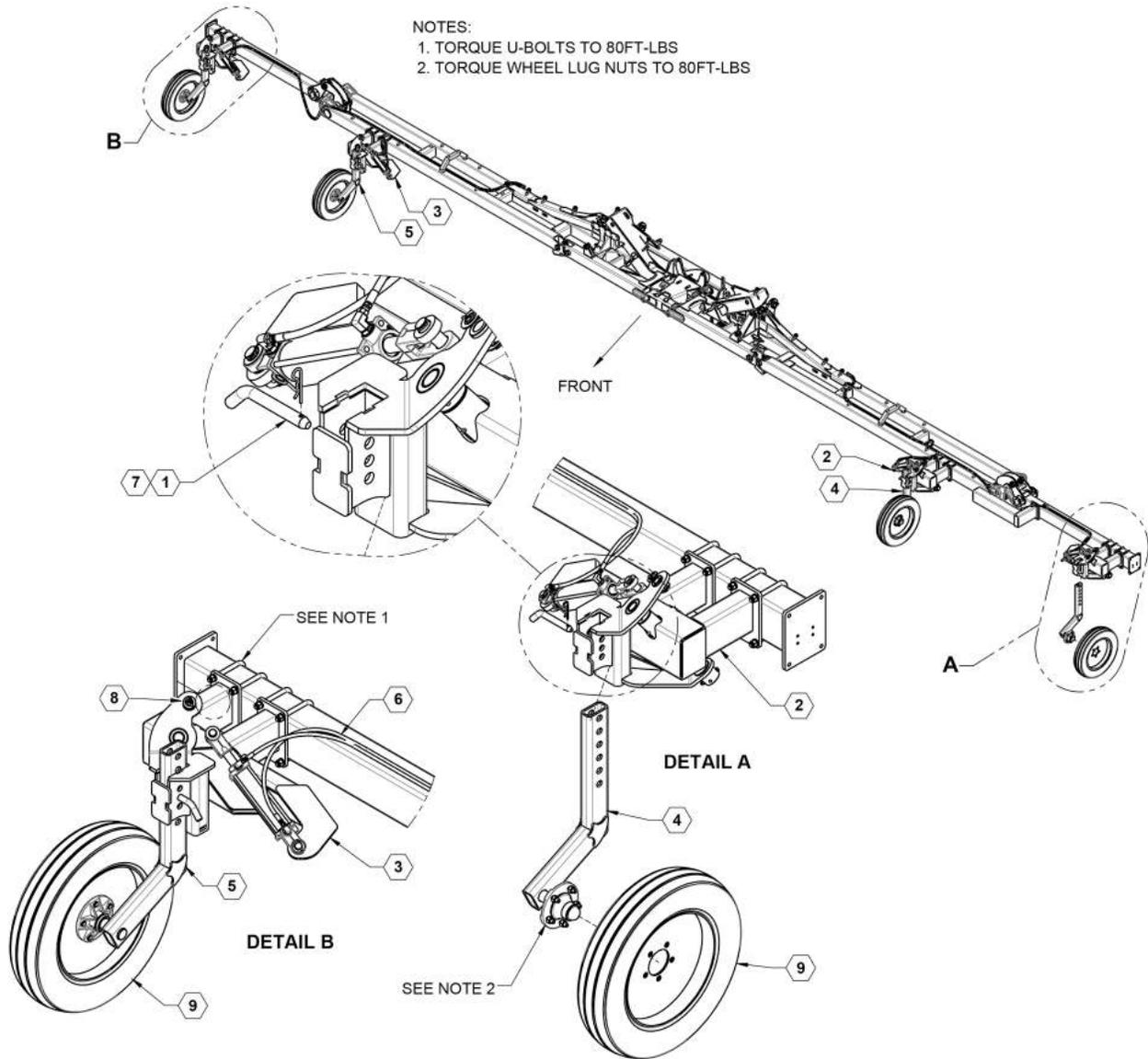


## ILLUSTRATED PARTS LIST

### Q736 Hub Assembly, 5 Bolt Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                   |
|------|----------|------|-------------------------------|
| 1    | 730003   | 1    | Q736 HUB ASSEMBLY (ITEMS 1-7) |
| 2    | 1724     | 5    | WHEEL STUD BOLT, 913576       |
| 2    | 1725     | 5    | WHEEL LUG NUT, 912919         |
| 3    | 1716     | 1    | SEAL QDS 906296               |
| 4    | 1710     | 1    | INNER CUP (LM67010)           |
| 4    | 1712     | 1    | INNER CONE (LM67048)          |
| 5    | 730034   | 1    | HUB WASHER                    |
| 6    | 730035   | 1    | CASTLE NUT N669               |
| 7    | 1711     | 1    | OUTER CUP (LM11910)           |
| 7    | 1713     | 1    | OUTER CONE (LM11949)          |
| 8    | 1714     | 1    | HUB CAP QDS 909931            |

## Folding Gauge Wheels (Hydraulic) - 60'



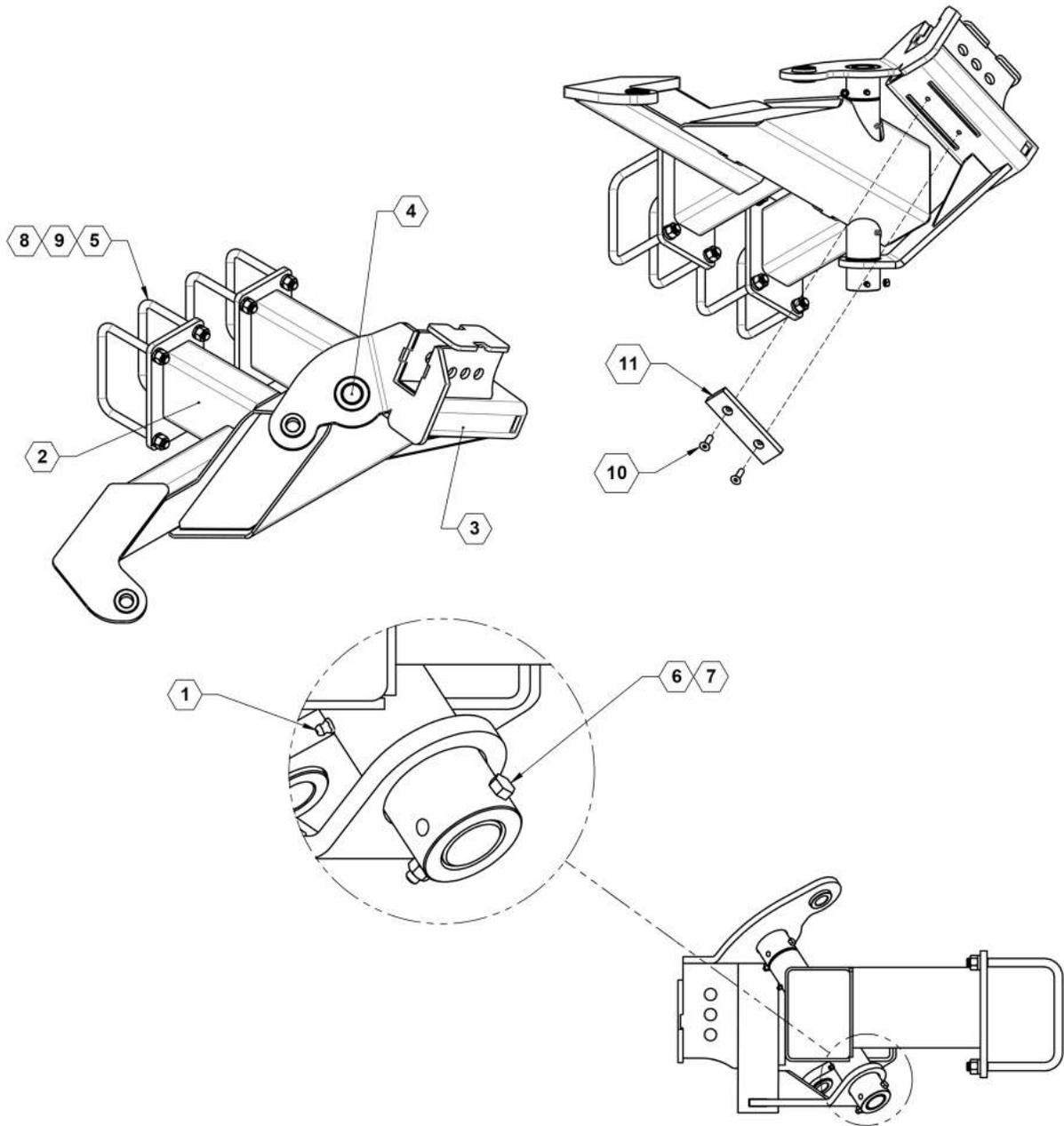


## ILLUSTRATED PARTS LIST

### Folding Gauge Wheels (Hydraulic) - 60' Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                                     |
|------|----------|------|---|
| 1    | 19061    | 4    | PIN, GAUGE WHEEL MOUNT                          |
| 2    | 21923L   | 2    | ASSEMBLY, FOLDING GAUGE WHEEL                   |
| 3    | 21923R   | 2    | ASSEMBLY, FOLDING GAUGE WHEEL                   |
| 4    | 22018L   | 2    | ARM ASSEMBLY, PIVOT GAUGE WHEEL LH              |
| 5    | 22018R   | 2    | ARM ASSEMBLY, PIVOT GAUGE WHEEL RH              |
| 6    | 26929    | 1    | ASSEMBLY, 60 FOOT HYDRAULIC FOLDING GAUGE WHEEL |
| 7    | 590017   | 4    | PIN, HITCH, 1/8 X 3-1/8" ZP                     |
| 8    | 590179   | 16   | WASHER, 1 X 14GA ZP                             |
| 9    | 700134   | 4    | TIRE / WHEEL 6.70X15 GAUGE WHEEL                |

## Folding Gauge Wheel Assembly



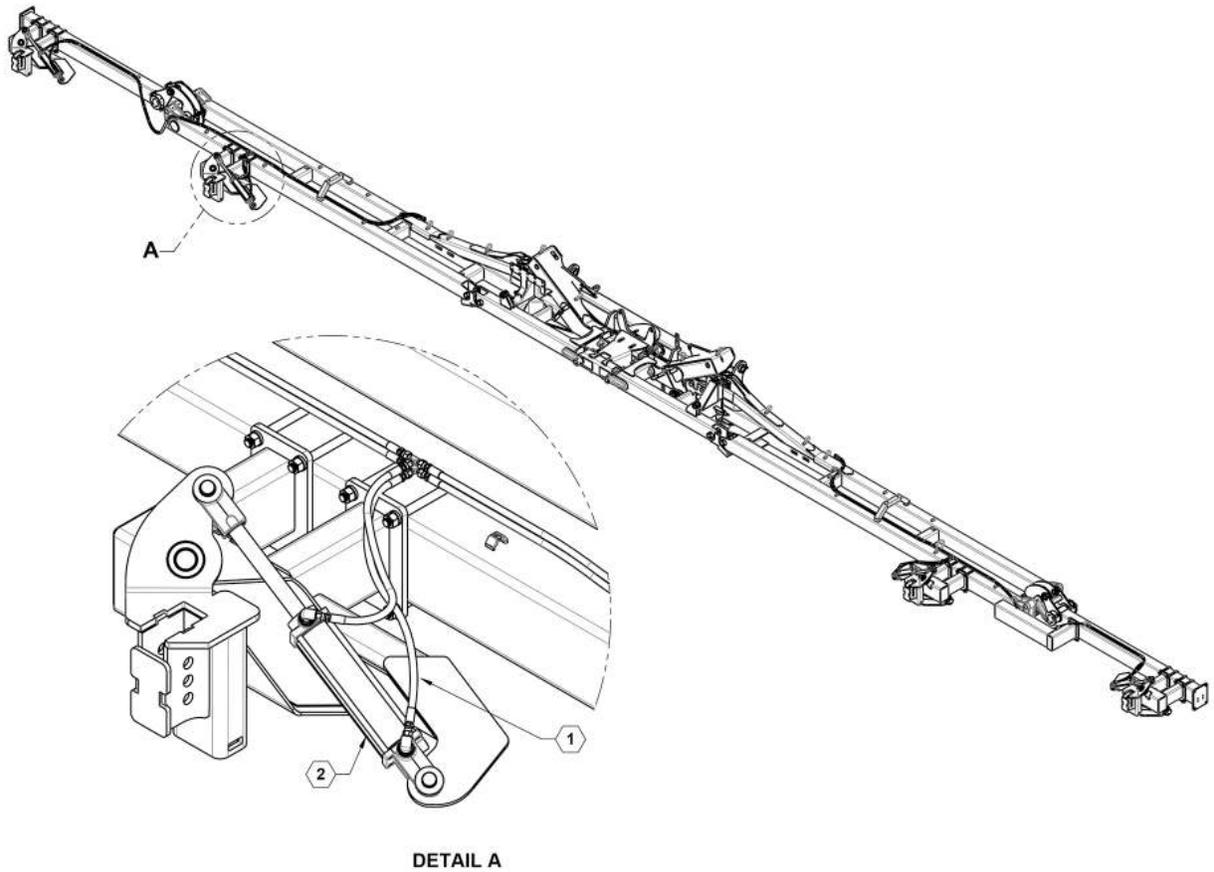


## ILLUSTRATED PARTS LIST

### Folding Gauge Wheel Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 1    | 759      | 2    | ZERK, 1/4-28 STRAIGHT            |
| 2    | 21924L   | 1    | GAUGE WHEEL BASE MOUNT           |
| NS   | 21924R   | 1    | GAUGE WHEEL BASE MOUNT           |
| 3    | 21925L   | 1    | GAUGE WHEEL ARM MOUNT            |
| NS   | 21925R   | 1    | GAUGE WHEEL ARM MOUNT            |
| 4    | 21944    | 1    | PIN, GAUGE WHEEL PIVOT           |
| 5    | 530171   | 4    | U-BOLT, 5/8x7 1/16" x 8 1/2", ZP |
| 6    | 596119M  | 2    | BOLT, HH 5/16-18X3 GR5 MAGNI     |
| 7    | 596212M  | 2    | NUT, 5/16-18                     |
| 8    | 596216M  | 8    | NUT, HEX 5/8-11 MAGNI            |
| 9    | 596253M  | 8    | LOCKWASHER 5/8 MAGNI             |
| 10   | 596726M  | 2    | FHSCS 3/8-16 X 1-1/4 MAGNI       |
| 11   | 750066   | 1    | PAD, GAUGE WHEEL STOP            |

## 60' Hydraulic Folding Gauge Wheel Assembly

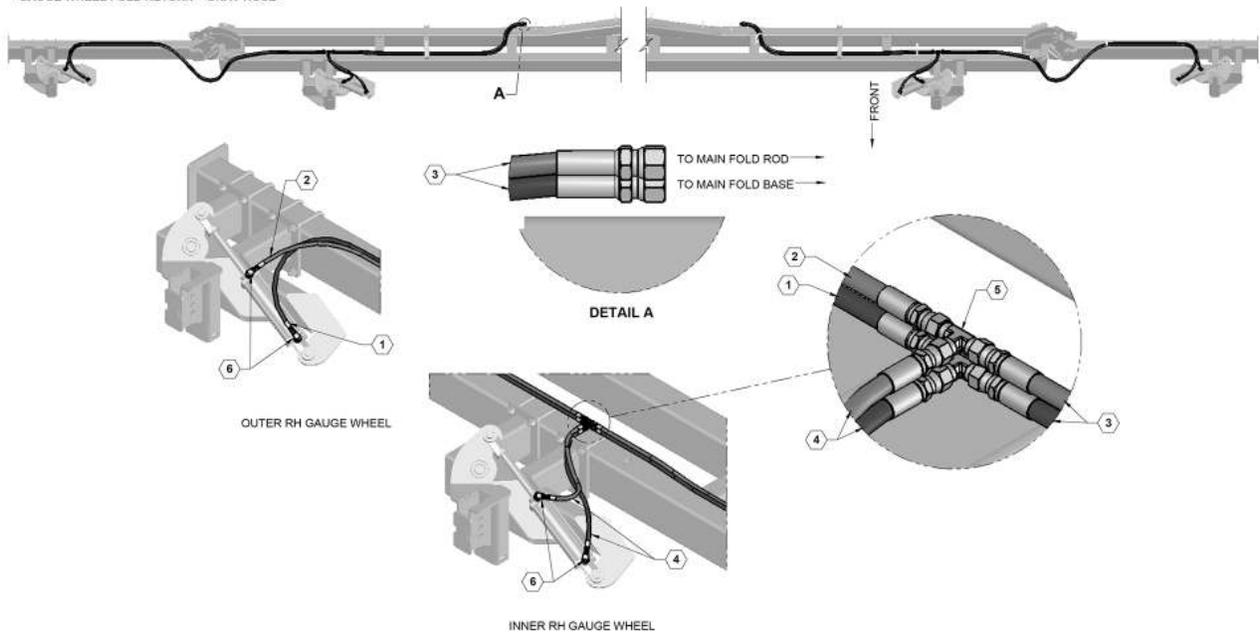


### 60' Hydraulic Folding Gauge Wheel Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 600101   | 1    | 60' FOLDING GAUGE WHEEL HYDRAULIC KIT |
| 2    | 620023   | 4    | CYLINDER, 25TD08-112                  |

## 60' Hydraulic Folding Gauge Wheel Hoses

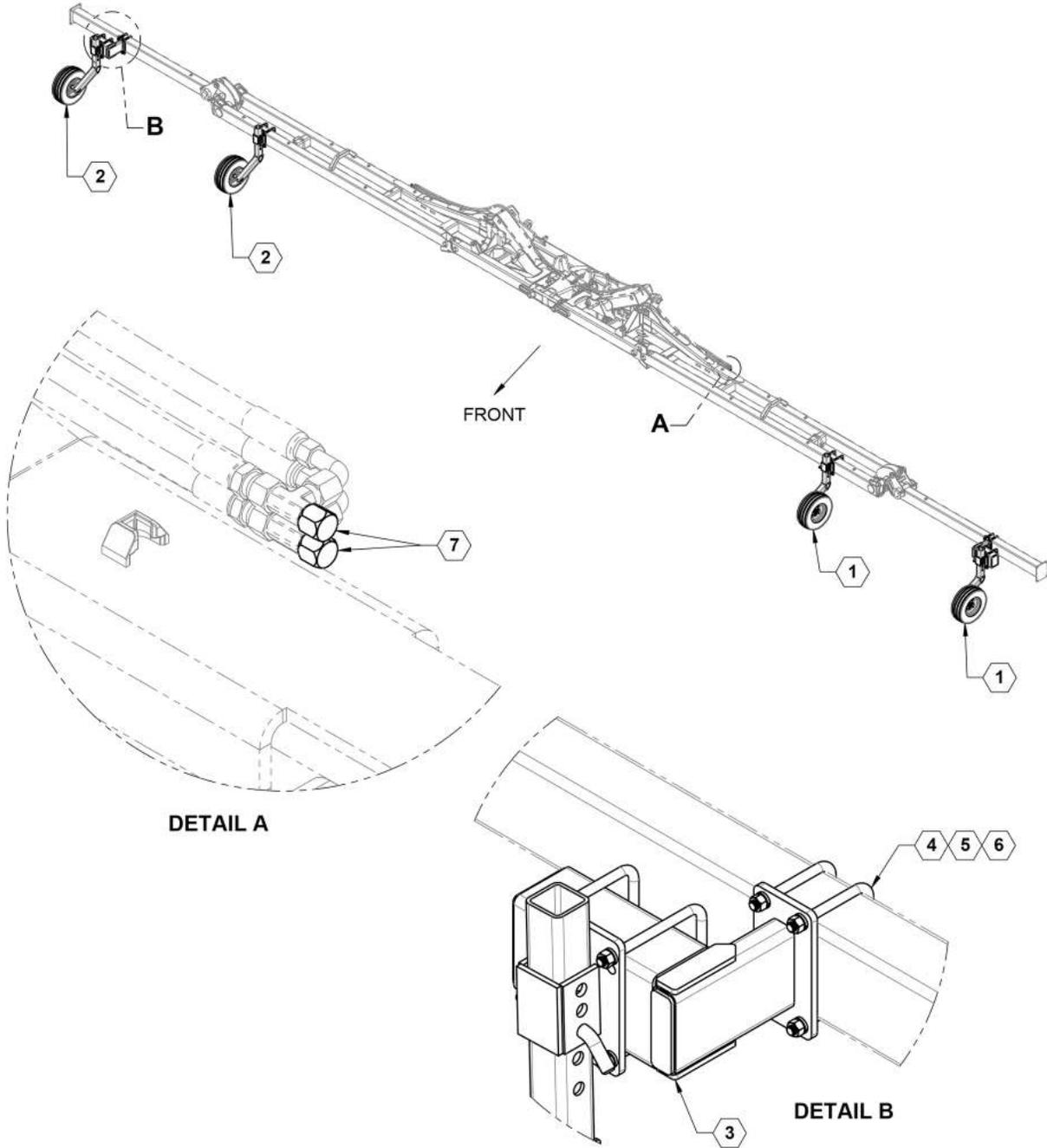
GAUGE WHEEL FOLD PRESSURE = BLACK HOSE  
 GAUGE WHEEL FOLD RETURN = GRAY HOSE



## 60' Hydraulic Folding Gauge Wheel Hose Kit Parts List

| ITEM | PART NO.    | QTY. | DESCRIPTION                     |
|------|-------------|------|---------------------------------|
| 1    | 600101-1-ZN | 2    | HOSE ASSEMBLY, 04-4FJX-4FJX-146 |
| 2    | 600101-2-ZN | 2    | HOSEASSEMBLY, 04-4FJX-4FJX-138  |
| 3    | 600101-3-ZN | 4    | HOSE ASSEMBLY, 04-6FJX-4FJX-96  |
| 4    | 600101-4-ZN | 4    | HOSE ASSEMBLY, 04-4FJX-4FJX-27  |
| 5    | 610003      | 4    | JIC #4 UNION TEE                |
| 6    | 610029      | 8    | JIC #4 TO O-RING #8 90 DEGREE   |

## Non-Folding Gauge Wheels - 66'



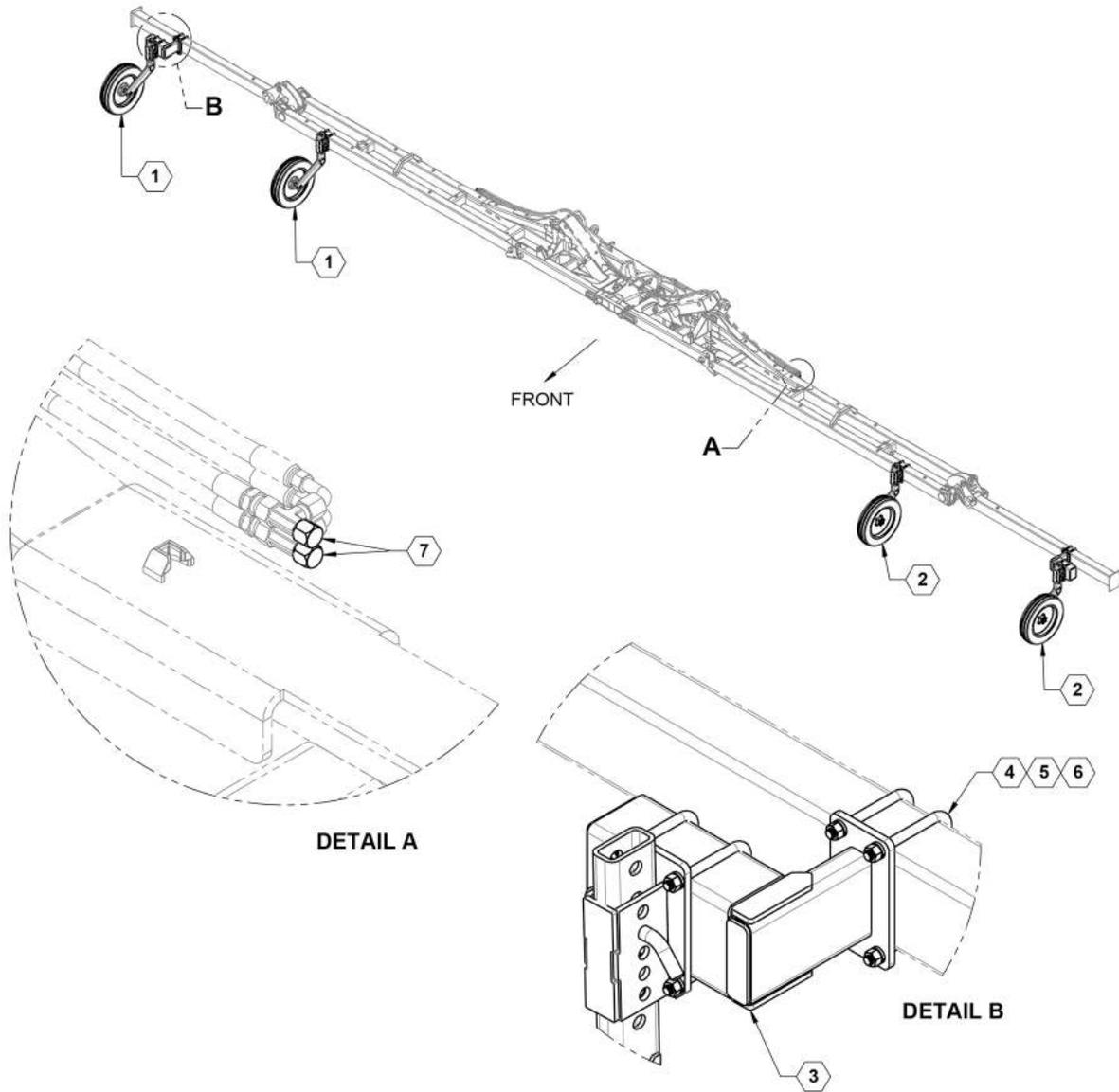


## ILLUSTRATED PARTS LIST

### Non-Folding Gauge Wheels - 66' Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                     |
|------|----------|------|---------------------------------|
| 1    | 19062L   | 2    | GAUGE WHEEL LH ASSEMBLY, YELLOW |
| 1    | 26920    | 2    | GAUGE WHEEL LH ASSEMBLY, SILVER |
| 2    | 19062R   | 2    | GAUGE WHEEL RH ASSEMBLY, YELLOW |
| 2    | 26919    | 2    | GAUGE WHEEL RH ASSEMBLY, SILVER |
| 3    | 27145    | 2    | TUBE STAND OFF                  |
| 4    | 590061   | 4    | U-BOLT, 5/8 X 7" X 5"           |
| 5    | 596216M  | 8    | NUT, HEX 5/8-11 MAGNI           |
| 6    | 596253M  | 8    | LOCKWASHER 5/8 MAGNI            |
| 7    | 610143   | 4    | FJIC #6 CAP                     |

## Non-Folding Tall Gauge Wheels - 66'



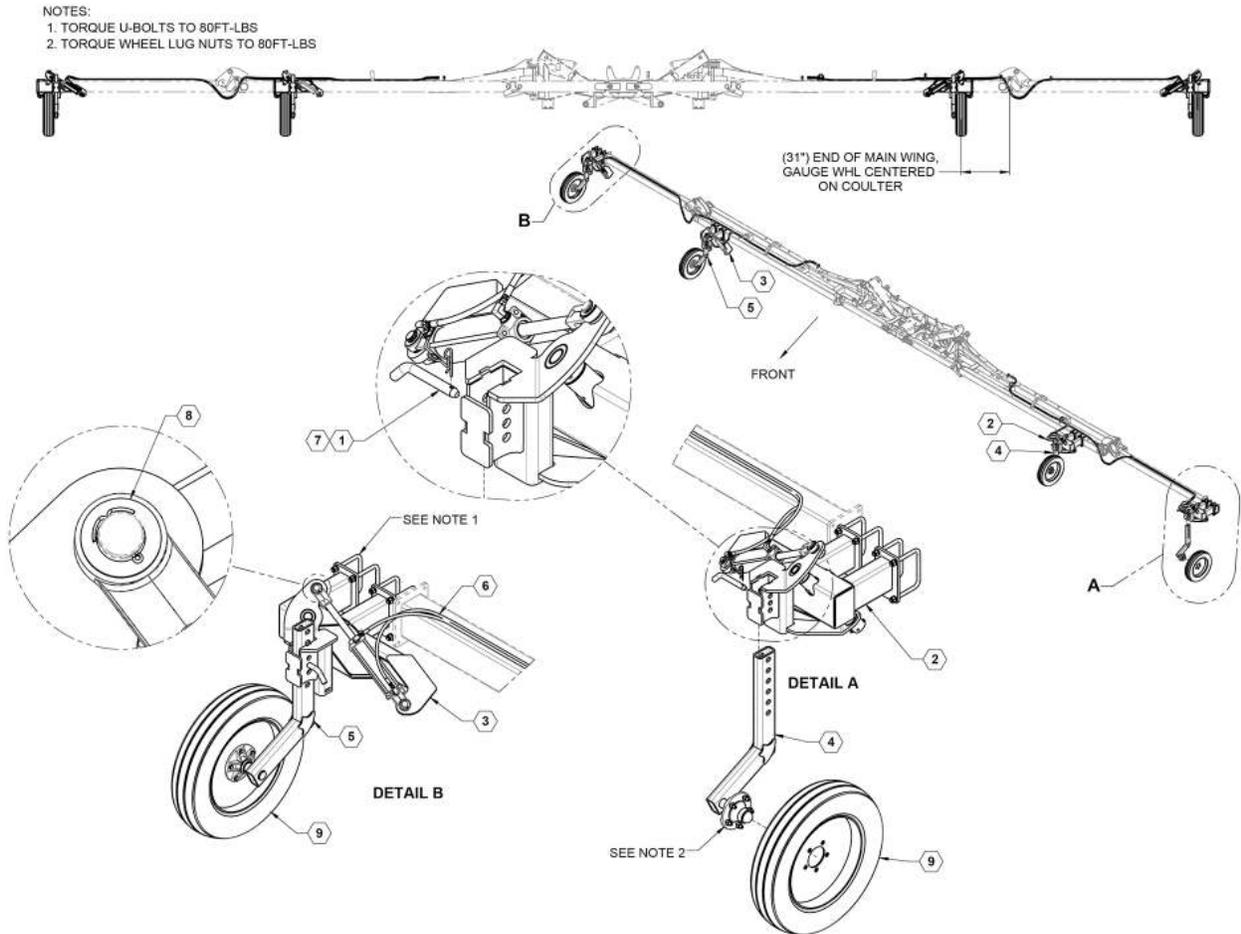


## ILLUSTRATED PARTS LIST

### Non-Folding Tall Gauge Wheels - 66' Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                            |
|------|----------|------|--|
| 1    | 26860    | 2    | ASSEMBLY, LARGE GAUGE WHEEL RH, YELLOW |
| 1    | 26883    | 2    | ASSEMBLY, LARGE GAUGE WHEEL RH, SILVER |
| 2    | 26861    | 2    | ASSEMBLY, LARGE GAUGE WHEEL LH, YELLOW |
| 2    | 26884    | 2    | ASSEMBLY, LARGE GAUGE WHEEL LH, SILVER |
| 3    | 27145    | 2    | TUBE STAND OFF                         |
| 4    | 590061   | 4    | U-BOLT, 5/8 X 7" X 5"                  |
| 5    | 596216M  | 8    | NUT, HEX 5/8-11 MAGNI                  |
| 6    | 596253M  | 8    | LOCKWASHER 5/8 MAGNI                   |
| 7    | 610143   | 4    | FJIC #6 CAP                            |

## Folding Gauge Wheels (Hydraulic) - 66'

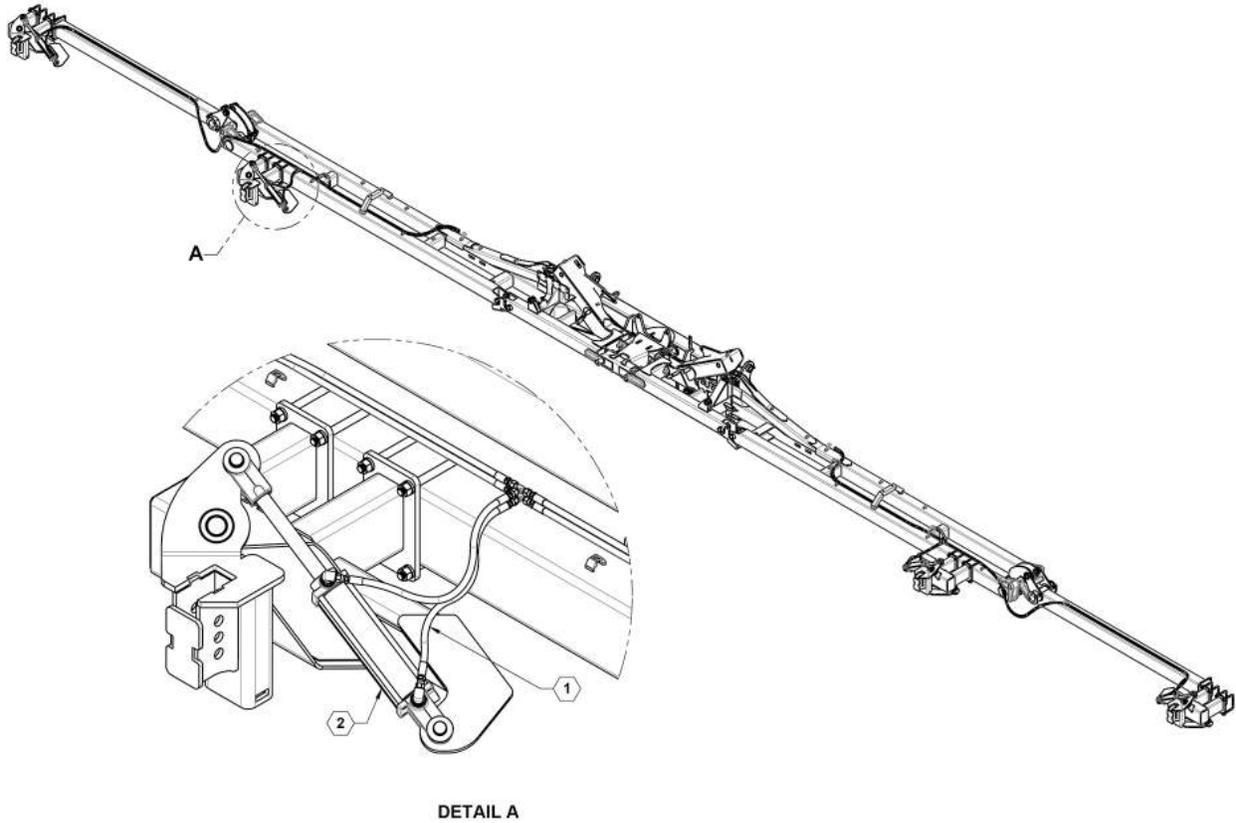


## Folding Gauge Wheels (Hydraulic) - 66' Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                                 |
|------|----------|------|---|
| 1    | 19061    | 4    | PIN, GAUGE WHEEL MOUNT                      |
| 2    | 21923L   | 2    | ASSEMBLY, FOLDING GAUGE WHEEL               |
| 3    | 21923R   | 2    | ASSEMBLY, FOLDING GAUGE WHEEL               |
| 4    | 22018L   | 2    | ARM ASSEMBLY, PIVOT GAUGE WHEEL LH          |
| 5    | 22018R   | 2    | ARM ASSEMBLY, PIVOT GAUGE WHEEL RH          |
| 6    | 27062    | 1    | HYDRAULIC ASSEMBLY, FOLDING GAUGE WHEEL 66' |
| 7    | 590017   | 4    | PIN, HITCH, 1/8 X 3-1/8" ZP                 |
| 8    | 590179   | 16   | WASHER, 1 X 14GA ZP                         |
| 9    | 700134   | 4    | TIRE / WHEEL 6.70X15 GAUGE WHEEL            |

## Folding Gauge Wheels Hydraulic Assembly 66'

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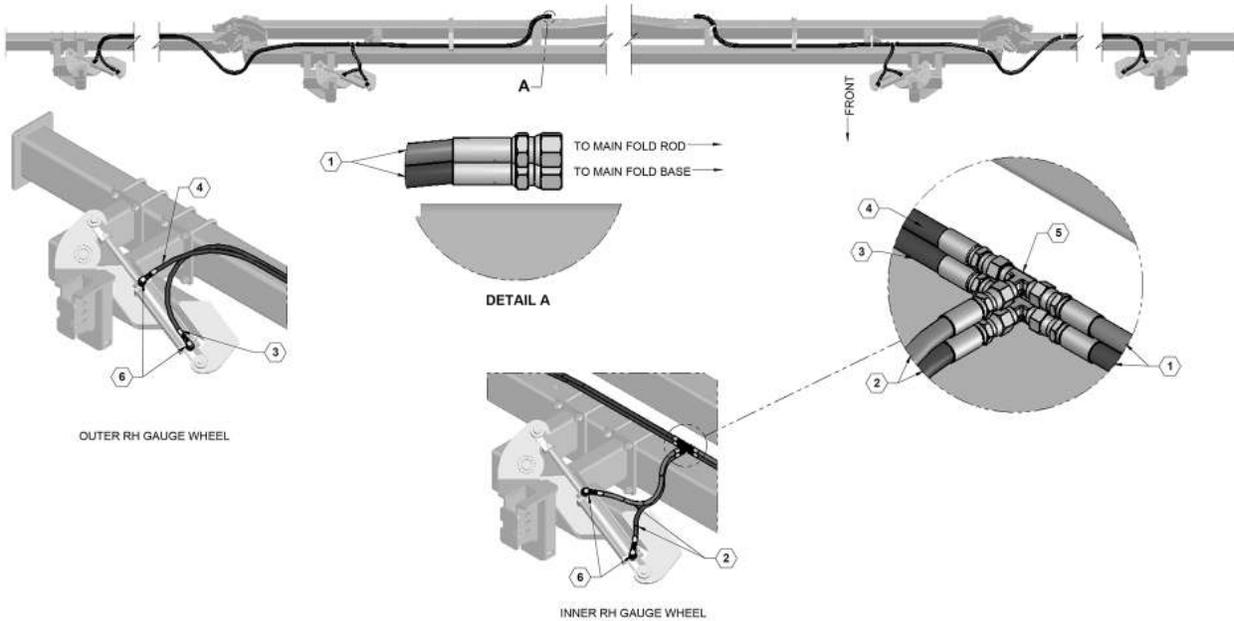


## Folding Gauge Wheels Hydraulic Assembly 66' Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                     |
|------|----------|------|---------------------------------|
| 1    | 600104   | 1    | 66 FOOT FOLDING GAUGE WHEEL KIT |
| 2    | 620023   | 4    | CYLINDER, 25TD08-112            |

## 66 Foot Folding Gauge Wheel Hydraulics

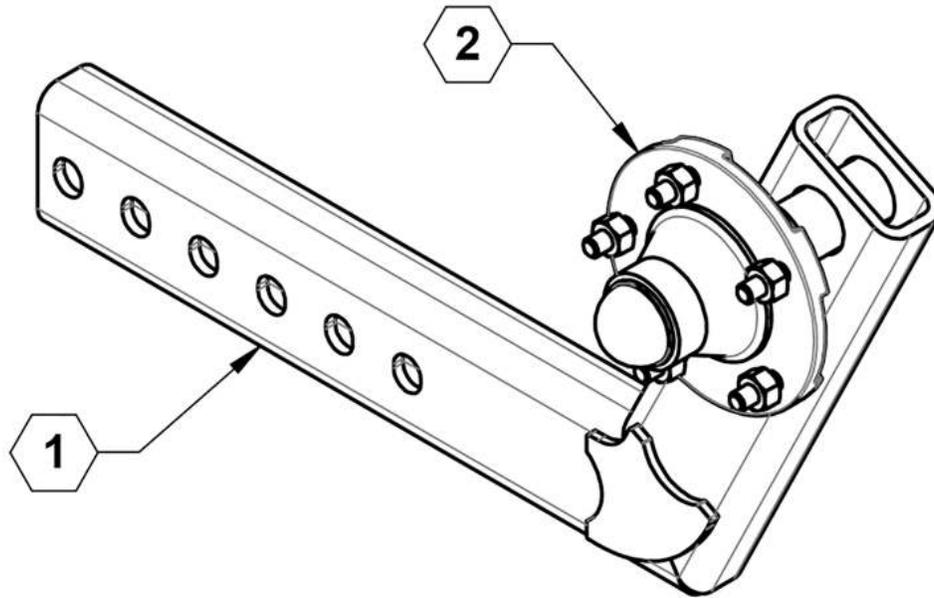
GAUGE WHEEL FOLD PRESSURE = BLACK HOSE  
 GAUGE WHEEL FOLD RETURN = GRAY HOSE



## 66 Foot Folding Gauge Wheel Hydraulics Parts List

| ITEM | PART NO.    | QTY. | DESCRIPTION                     |
|------|-------------|------|---------------------------------|
| 1    | 600101-3-ZN | 4    | HOSE ASSEMBLY, 04-6FJX-4FJX-96  |
| 2    | 600101-4-ZN | 4    | HOSE ASSEMBLY, 04-4FJX-4FJX-27  |
| 3    | 600104-1-ZN | 2    | HOSE ASSEMBLY, 04-4FJX-4FJX-190 |
| 4    | 600104-2-ZN | 2    | HOSE ASSEMBLY, 04-4FJX-4FJX-182 |
| 5    | 610003      | 4    | JIC #4 UNION TEE                |
| 6    | 610029      | 8    | JIC #4 TO O-RING #8 90 DEGREE   |

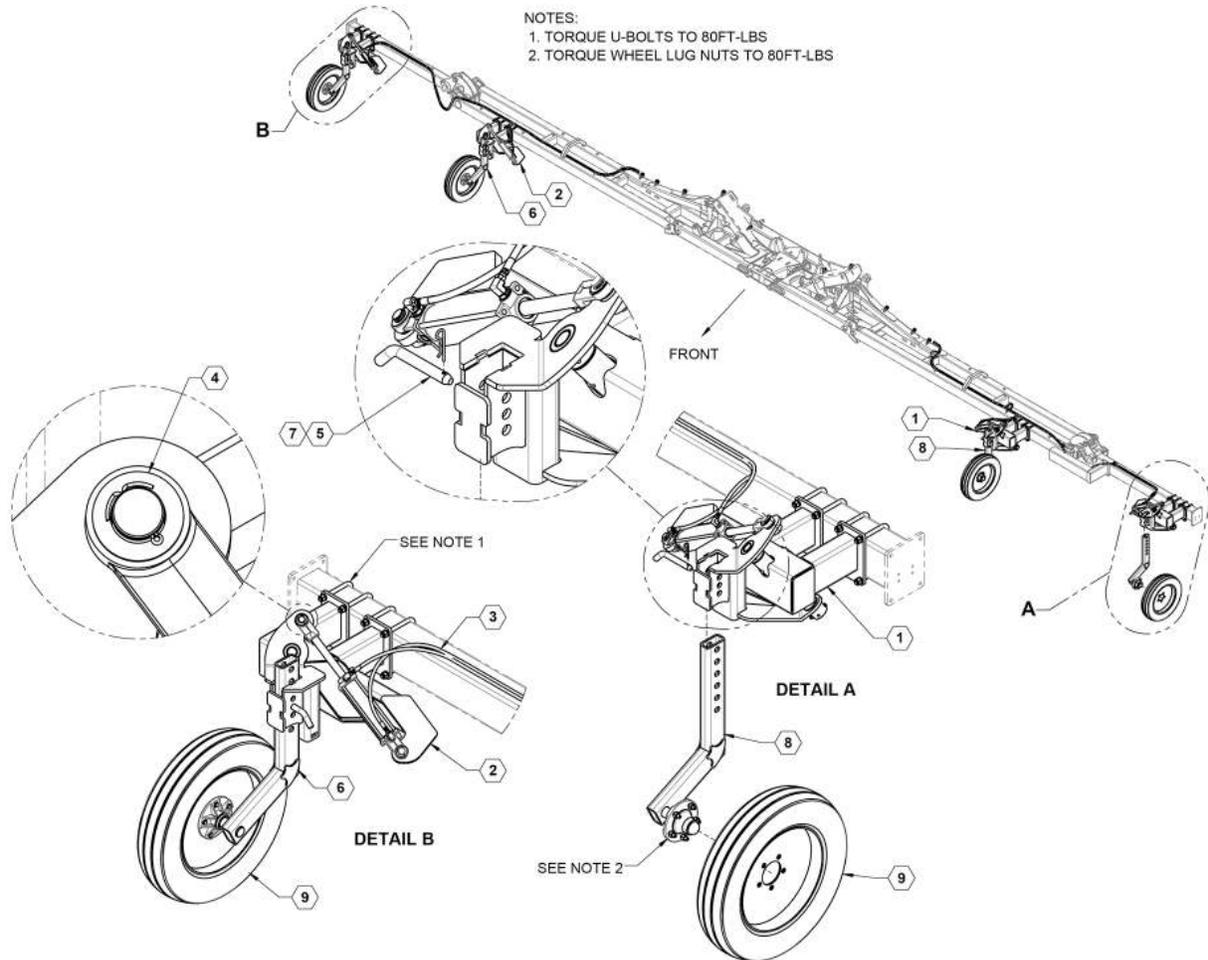
## Arm Assembly, Pivot Gauge Wheel



### Arm Assembly, Pivot Gauge Wheel Parts List

| ITEM | PART NO.   | QTY. | DESCRIPTION                        |
|------|------------|------|------------------------------------|
| 1    | 22135R     | 1    | ARM, RH                            |
| NS   | 22135L     | 1    | ARM, LH                            |
| 2    | 730003ASSY | 1    | HUB COMPLETE (736) 5 BOLT ASSEMBLY |

## Folding Gauge Wheels (Hydraulic) - 60'



## Folding Gauge Wheels (Hydraulic) - 60' Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                                     |
|------|----------|------|---|
| 1    | 21923L   | 2    | ASSEMBLY, FOLDING GAUGE WHEEL                   |
| 2    | 21923R   | 2    | ASSEMBLY, FOLDING GAUGE WHEEL                   |
| 3    | 26929    | 1    | ASSEMBLY, 60 FOOT HYDRAULIC FOLDING GAUGE WHEEL |
| 4    | 590179   | 16   | WASHER, 1 X 14GA ZP                             |
| 5    | 19061    | 4    | PIN, GAUGE WHEEL MOUNT                          |
| 6    | 22018R   | 2    | ARM ASSEMBLY, PIVOT GAUGE WHEEL RH              |
| 7    | 590017   | 4    | PIN, HITCH, 1/8 X 3-1/8" ZP                     |
| 8    | 22018L   | 2    | ARM ASSEMBLY, PIVOT GAUGE WHEEL LH              |
| 9    | 700133   | 4    | TIRE/WHEEL 6.70X15 GAUGE WHEEL                  |



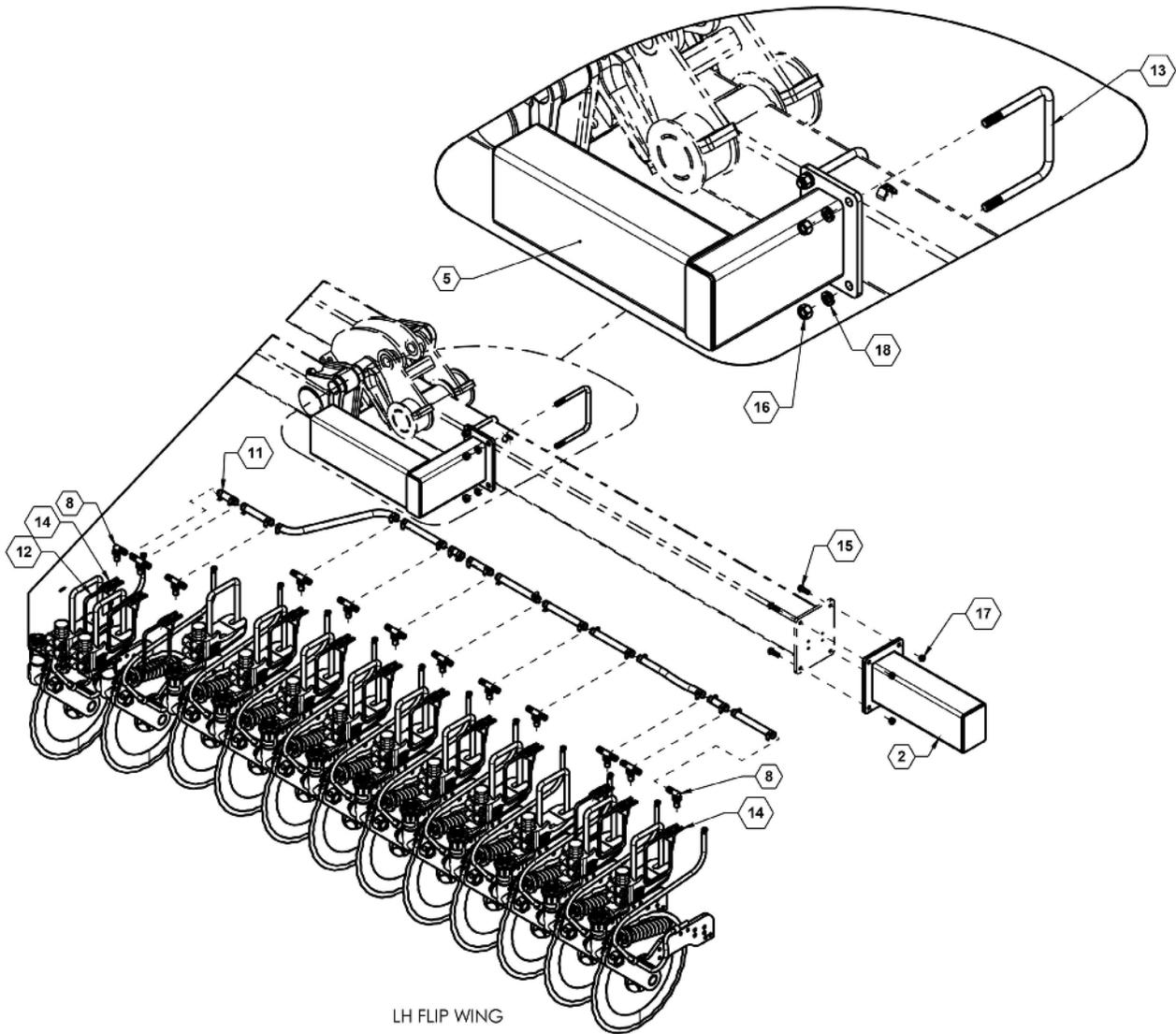
# ILLUSTRATED PARTS LIST

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**FAST GLOBAL**  
**SOLUTIONS**

## Flip Wing Coulter Parts



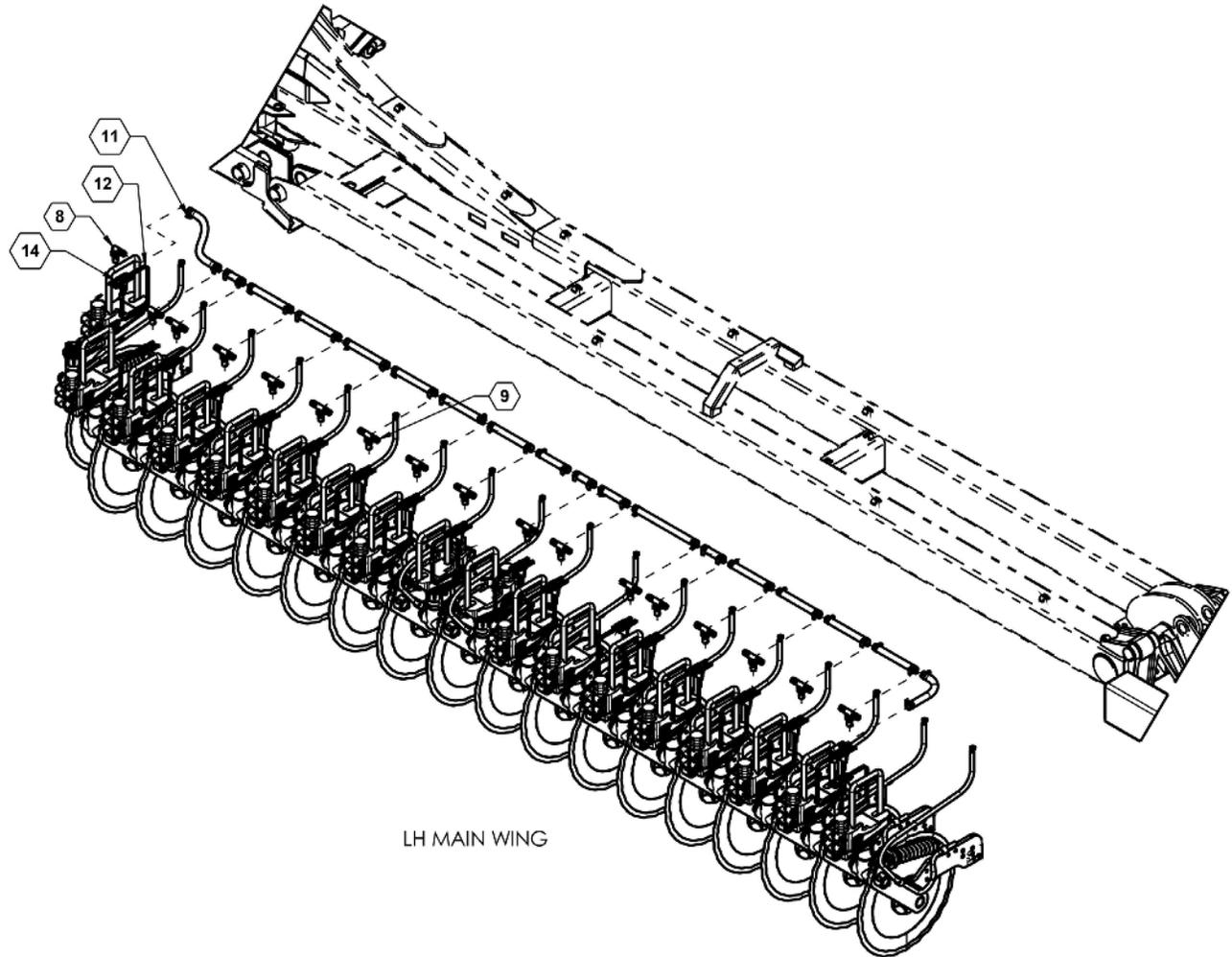


## ILLUSTRATED PARTS LIST

### Flip Wing Coulter Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                     |
|------|----------|------|---------------------------------|
| 2    | 22213    | 2    | 7x5 WING EXTENSION 13.5" LONG   |
| 2    | 15380    | 2    | 7x5 WING EXTENSION 19.75" LONG  |
| 2    | 22213    | 2    | 7x5 WING EXTENSION 22" LONG     |
| 5    | 26034    | 2    | STAND OFF BRACKET               |
| 8    | 520003   | 12   | NOZZLE, SINGLE HOSE SHANK       |
| 11   | 540013   | 150  | CLAMP, HOSE SS 3/4" #12         |
| 12   | 540050   | 73   | CLAMP, HOSE SS 5 1/2" - 8 1/2"  |
| 13   | 590061   | 8    | U-BOLT, 5/8 X 7" X 5"           |
| 14   | 590187   | 73   | MOUNT, PLUMBING                 |
| 15   | 596153M  | 8    | BOLT, HH 1/2-13X1-1/2 GR5 MAGNI |
| 16   | 596216M  | 16   | NUT, HEX 5/8-11 MAGNI           |
| 17   | 596239M  | 8    | NUT, CENTERLOCK, 1/2-13 MAGNI   |
| 18   | 596253M  | 16   | LOCKWASHER 5/8 MAGNI            |

## Main Wing Coulter Parts



LH MAIN WING

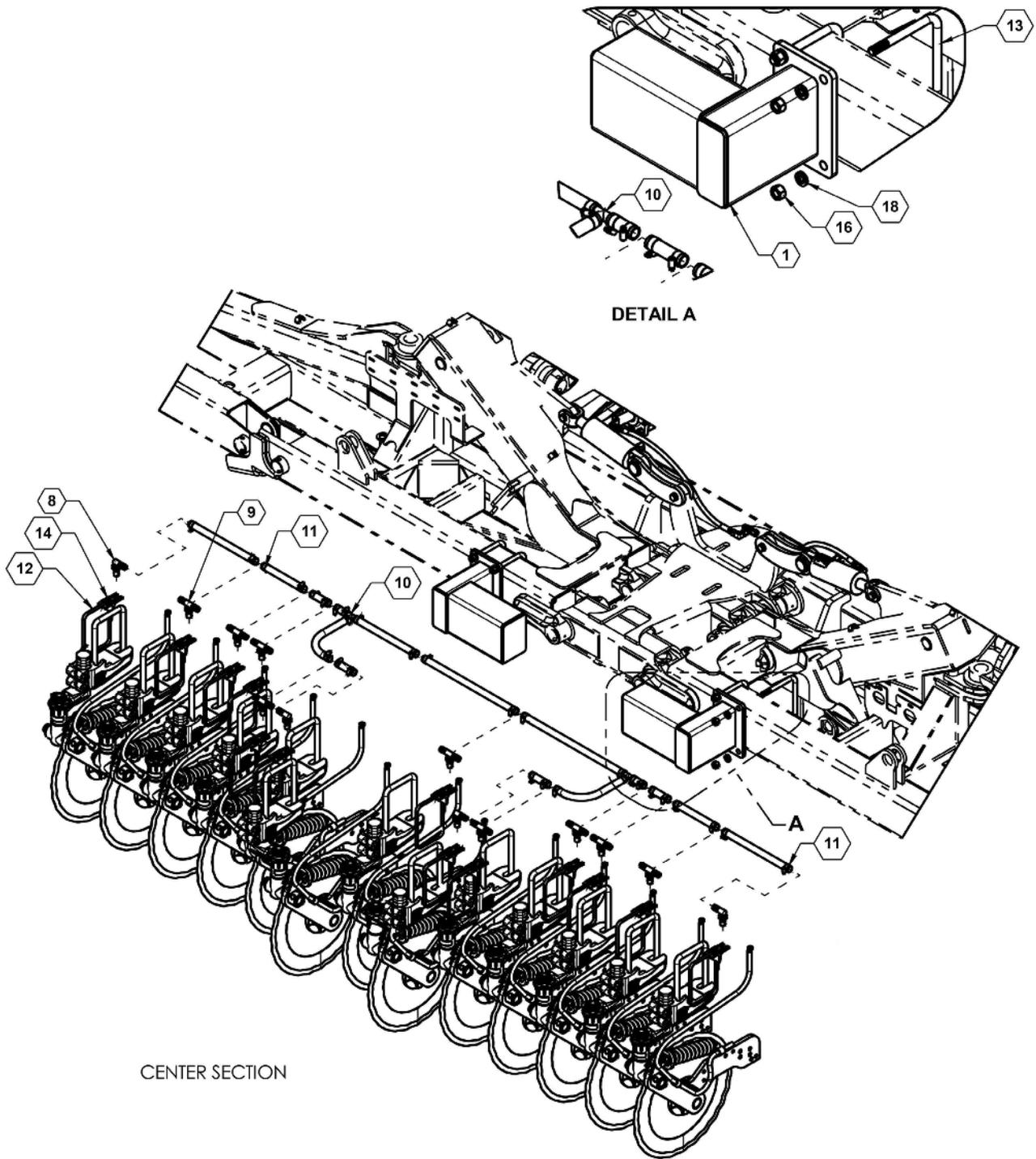


## ILLUSTRATED PARTS LIST

### Main Wing Coulter Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                    |
|------|----------|------|--------------------------------|
| 8    | 520003   | 12   | NOZZLE, SINGLE HOSE SHANK      |
| 9    | 520004   | 61   | NOZZLE, DOUBLE HOSE SHANK      |
| 11   | 540013   | 150  | CLAMP, HOSE SS 3/4" #12        |
| 12   | 540050   | 73   | CLAMP, HOSE SS 5 1/2" - 8 1/2" |
| 14   | 590187   | 73   | MOUNT, PLUMBING                |

## Center Section Coulter Parts





## ILLUSTRATED PARTS LIST

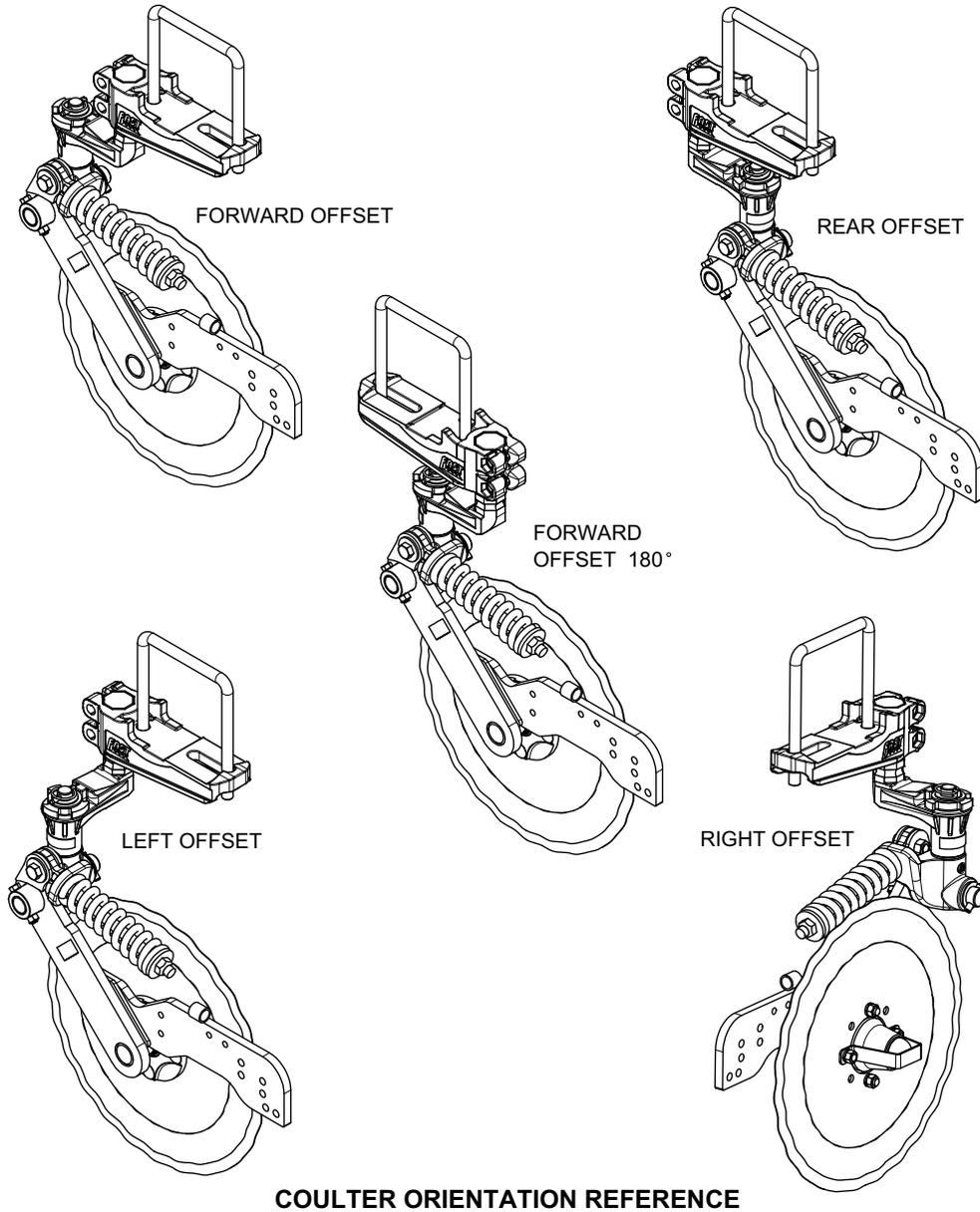
### Center Section Coulter Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                    |
|------|----------|------|--------------------------------|
| 1    | 15360    | 2    | BOLT ON OFFSET 10"             |
| 1    | 23267    | 2    | BOLT ON OFFSET 12"             |
| 8    | 520003   | 12   | NOZZLE, SINGLE HOSE SHANK      |
| 9    | 520004   | 61   | NOZZLE, DOUBLE HOSE SHANK      |
| 10   | 530054   | 2    | 3/4" HOSE BARB TEE             |
| 11   | 540013   | 150  | CLAMP, HOSE SS 3/4" #12        |
| 12   | 540050   | 73   | CLAMP, HOSE SS 5 1/2" - 8 1/2" |
| 13   | 590061   | 8    | U-BOLT, 5/8 X 7" X 5"          |
| 14   | 590187   | 73   | MOUNT, PLUMBING                |
| 16   | 596216M  | 16   | NUT, HEX 5/8-11 MAGNI          |
| 18   | 596253M  | 16   | LOCKWASHER 5/8 MAGNI           |



# ILLUSTRATED PARTS LIST

## Coulter Orientation



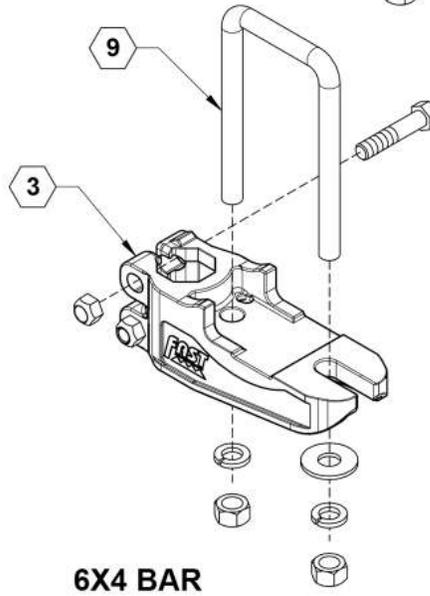
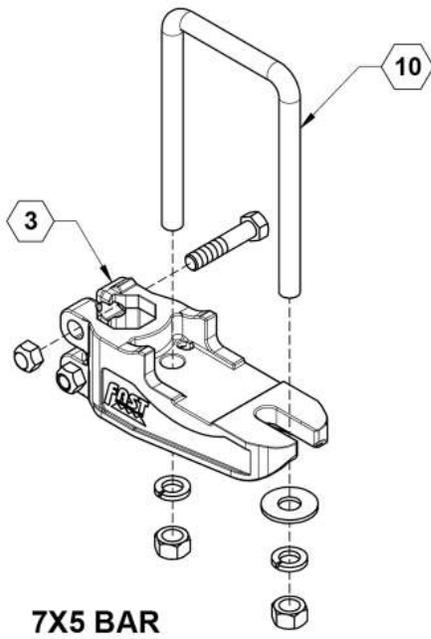
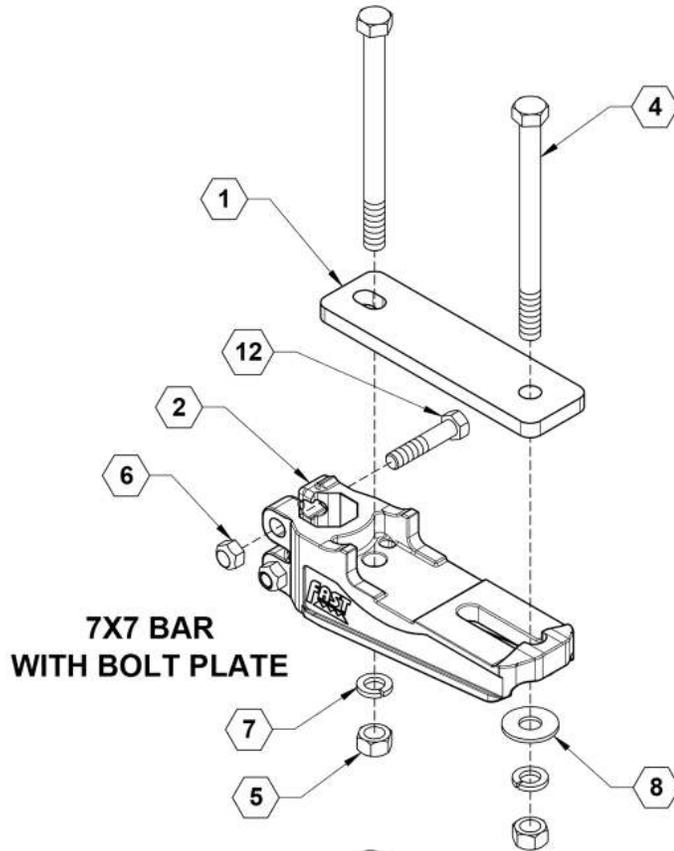
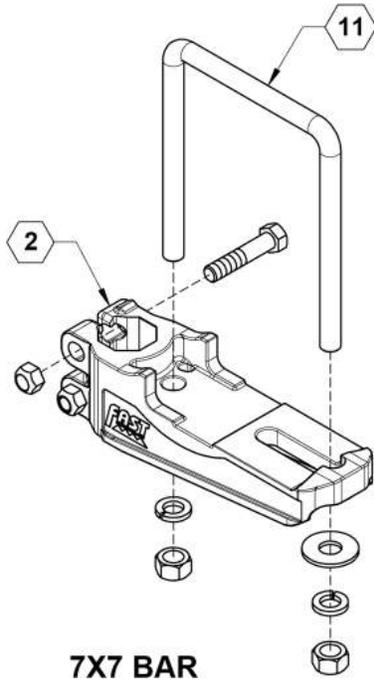


# ILLUSTRATED PARTS LIST

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## AP Coulter Upper Mount Assembly (Cast)





## ILLUSTRATED PARTS LIST

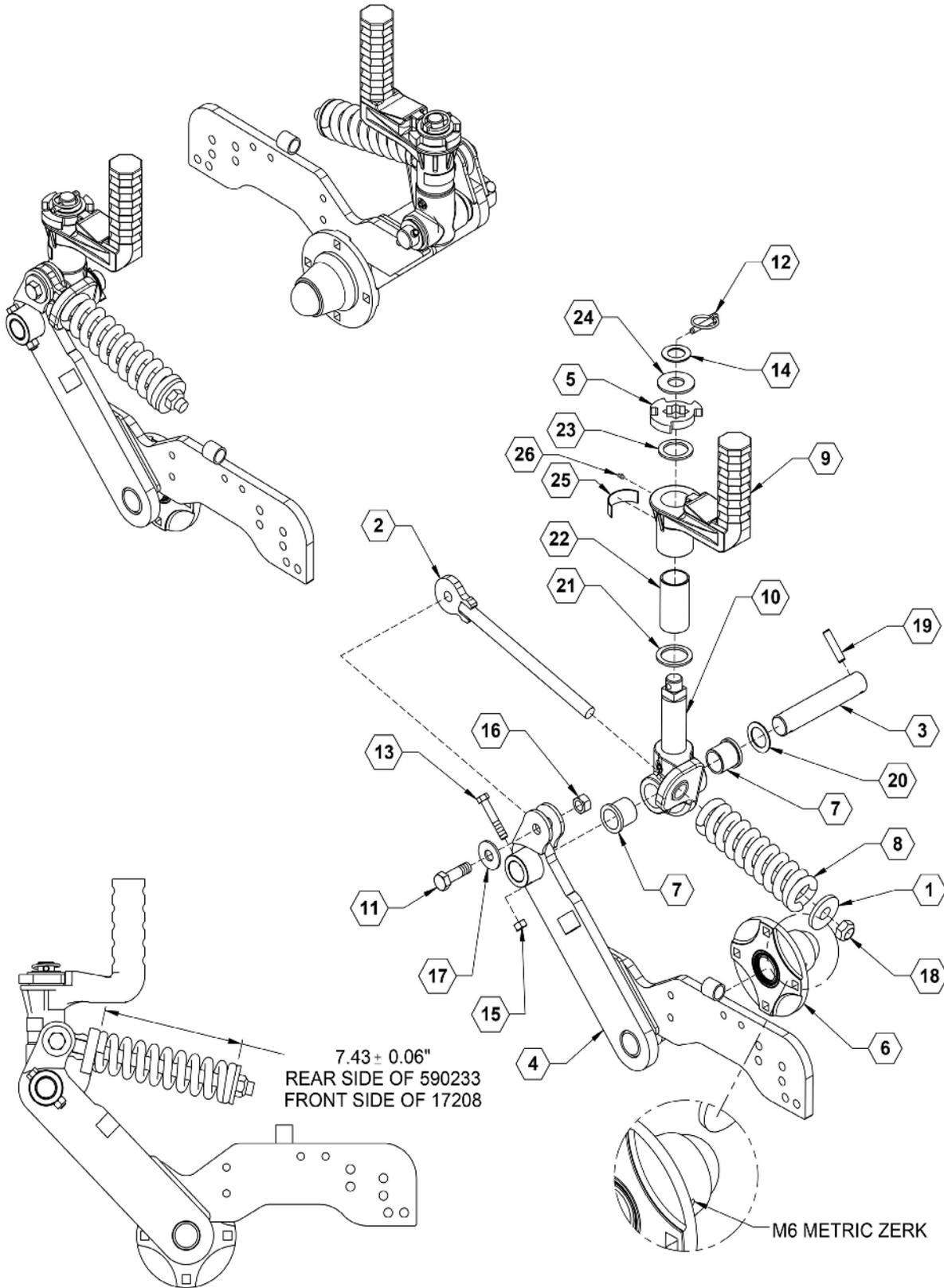
### AP Coulter Upper Mount Assembly (Cast) Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 1    | 17284    | 1    | TOP PLATE                        |
| 2    | 590231   | 1    | MOUNT CASTING, 7X7 TB            |
| 3    | 590310   | 1    | MOUNT CASTING AP COULTER         |
| 4    | 596197M  | 2    | BOLT, HH 3/4-10 X 9-1/2 G5 MAGNI |
| 5    | 596217M  | 2    | NUT, HEX 3/4-10 G5 MAGNI         |
| 6    | 593243M  | 2    | NUT, TOPLOCK 5/8-11 G8 MAGNI     |
| 7    | 596254M  | 2    | LOCKWASHER 3/4 MAGNI             |
| 8    | 596259M  | 1    | WASHER, FLAT 3/4 MAGNI           |
| 9    | 596772M  | 1    | U-BOLT, 3/4 X 6 X 4 G5 MAGNI     |
|      |          |      | NOT USED ON A-SERIES             |
| 10   | 596779M  | 1    | U-BOLT, 3/4 X 7 X 5 G5 MAGNI     |
| 11   | 596774M  | 1    | U-BOLT, 3/4 X 7 X 7 G5 MAGNI     |
| 12   | 596779M  | 2    | BOLT, HH 5/8 X 3 G8 MAGNI        |
| NS   | 800198   | 1    | DECAL, UPPER MOUNT PATENT        |
| NS   | 800209   | 1    | DECAL, D FAST GLOBAL SOLUTIONS   |



# ILLUSTRATED PARTS LIST

## AP Coulter Assembly



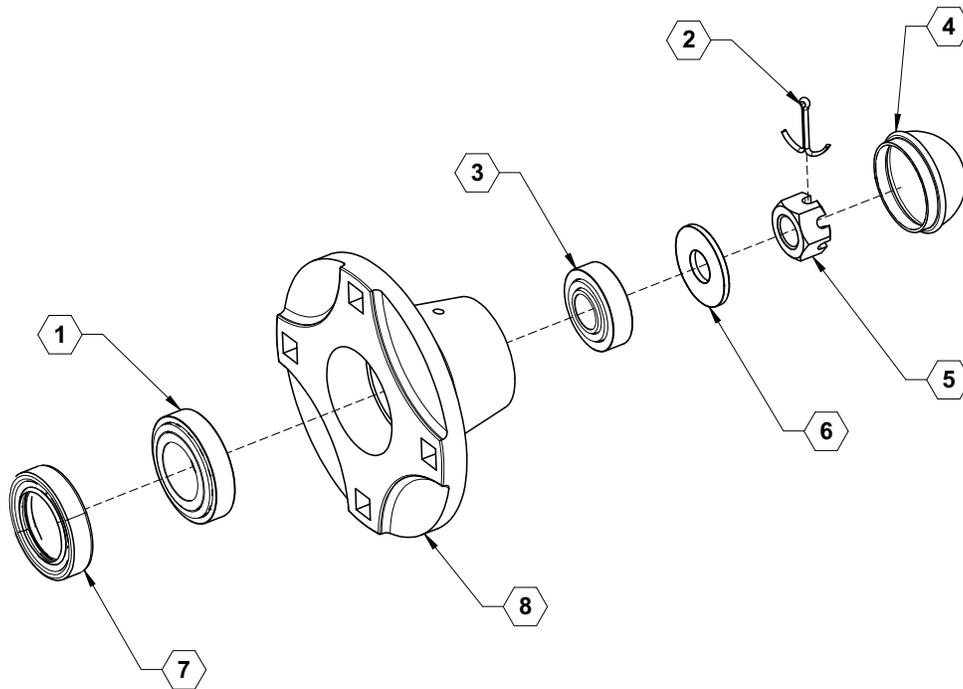


## ILLUSTRATED PARTS LIST

### AP Coulter Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                            |
|------|----------|------|--|
| 1    | 17208    | 1    | PLATE, SPRING END                      |
| 2    | 17276    | 1    | SPRING LEVER                           |
| 3    | 17291    | 1    | PIVOT SHAFT                            |
| 4    | 17293    | 1    | COULTER ARM                            |
| 5    | 21088    | 1    | PLATE, COULTER ROTATION                |
| 6    | 26891    | 1    | N669 HUB ASSEMBLY                      |
| 7    | 530328   | 2    | IGUS FLANGED BUSHING                   |
| 8    | 590123   | 1    | COULTER SPRING                         |
| 9    | 590232   | 1    | MID CASTING                            |
| 10   | 590233   | 1    | LOWER CASTING                          |
| 11   | 590260   | 1    | BOLT, HH 5/8 X 2 SPECIAL, MAGNI        |
| 12   | 590819M  | 1    | LYNCH PIN, 5/16 X 1-3/4 MAGNI          |
| 13   | 596143M  | 1    | BOLT, HH 7/16X2-1/2 GR5 MAGNI          |
| 14   | 596179M  | 1    | BUSHING, MACHINED 1" X 14GA MAGNI      |
| 15   | 596238M  | 1    | NUT, CENTERLOCK 7/16-14 MAGNI          |
| 16   | 596240M  | 1    | NUT, CENTERLOCK, 5/8-11 MAGNI          |
| 17   | 596261M  | 1    | WASHER, FLAT 5/8 MAGNI                 |
| 18   | 596626M  | 1    | NUT, TOPOCK 3/4-10 MAGNI               |
| 19   | 596740M  | 1    | ROLL PIN, 7/16 X 2 MAGNI               |
| 20   | 596744M  | 1    | BUSHING, MACHINED, 1-1/4 x 14 GA MAGNI |
| 21   | 750081   | 1    | COULTER WASHER                         |
| 22   | 750082   | 1    | COULTER PIVOT BUSHING                  |
| 23   | 750085   | 1    | LOWER DUST CAP WASHER                  |
| 24   | 750086   | 1    | UPPER DUST CAP WASHER                  |
| 25   | 800197   | 1    | DECAL, SHANK PATENT                    |

## N669 Hub Assembly, 4 Bolt



## N669 Hub Assembly, 4 Bolt Parts List

| ITEM | PART NO. | VENDOR PART NO. | QTY. | DESCRIPTION                               |
|------|----------|-----------------|------|---|
| 0    | 26891    |                 | 1    | N669 HUB ASSEMBLY COMPLETE (ITEMS 1-8)    |
| 1    | 730032   |                 | 1    | BEARING AND RACE, LARGE LM67048, N669 HUB |
| 1    |          | LM67048         | 1    | BEARING                                   |
| 1    |          | LM67010         | 1    | RACE                                      |
| 2    | 730033   |                 | 1    | COTTER PIN, N669, 4-BOLT                  |
| 3    | 730036   |                 | 1    | BEARING AND RACE, SMALL LM11949, N669 HUB |
| 1    |          | LM11949         | 1    | BEARING                                   |
| 1    |          | LM11910         | 1    | RACE                                      |
| 4    | 730044   |                 | 1    | HUB CAP, (699/736) HUB                    |
| 5    | 730088   |                 | 1    | CASTLE NUT 4-BOLT, 5/8-18                 |
| 6    | 730096   |                 | 1    | WASHER, NSS9 4-BOLT                       |
| 7    | 730102   |                 | 1    | SEAL, TRIPLE LIP ID                       |
| 8    | 730104   |                 | 1    | HUB, WITH CUPS, 4 BOLT, N669              |

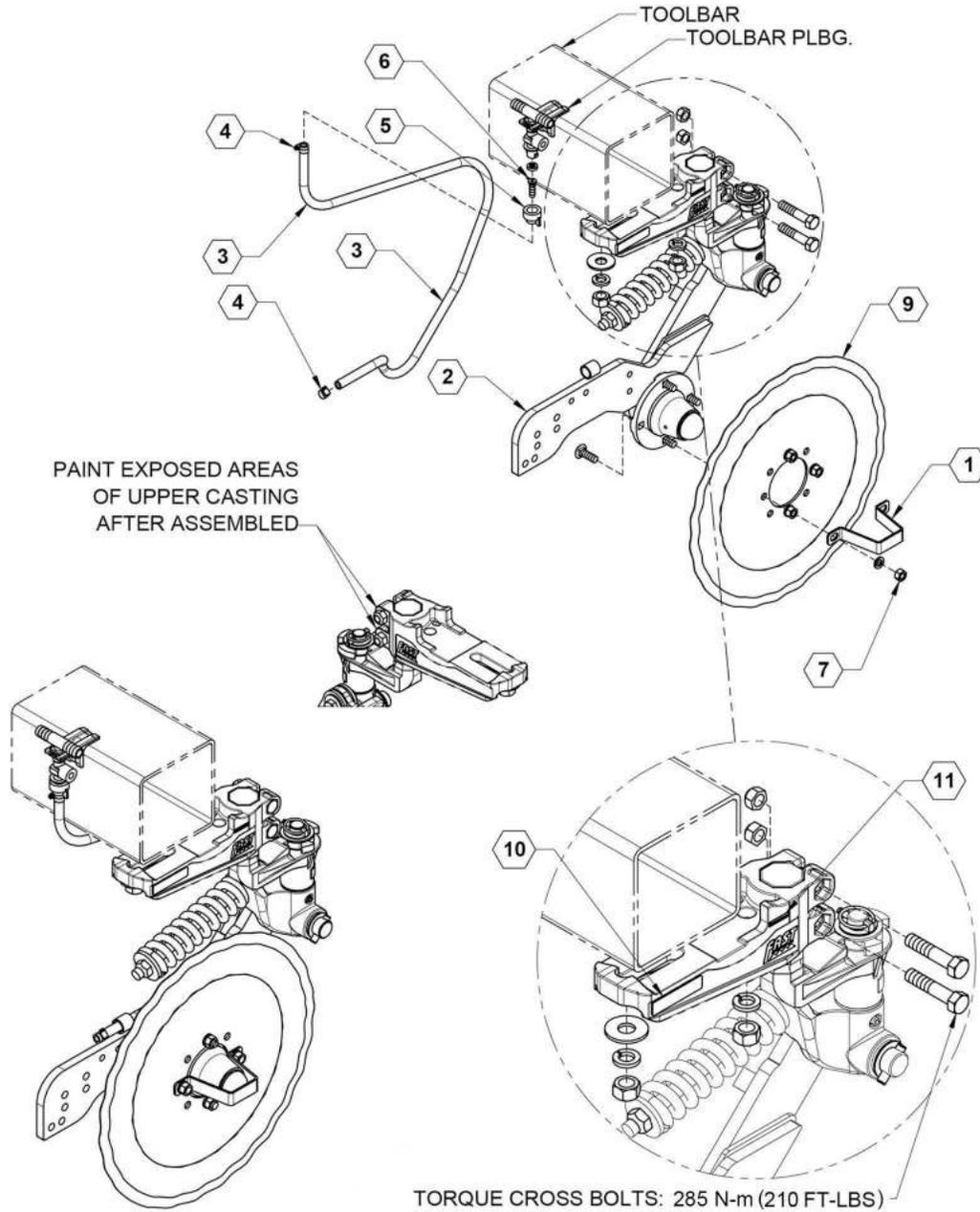


# ILLUSTRATED PARTS LIST

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## AP Coulter and Blade





## ILLUSTRATED PARTS LIST

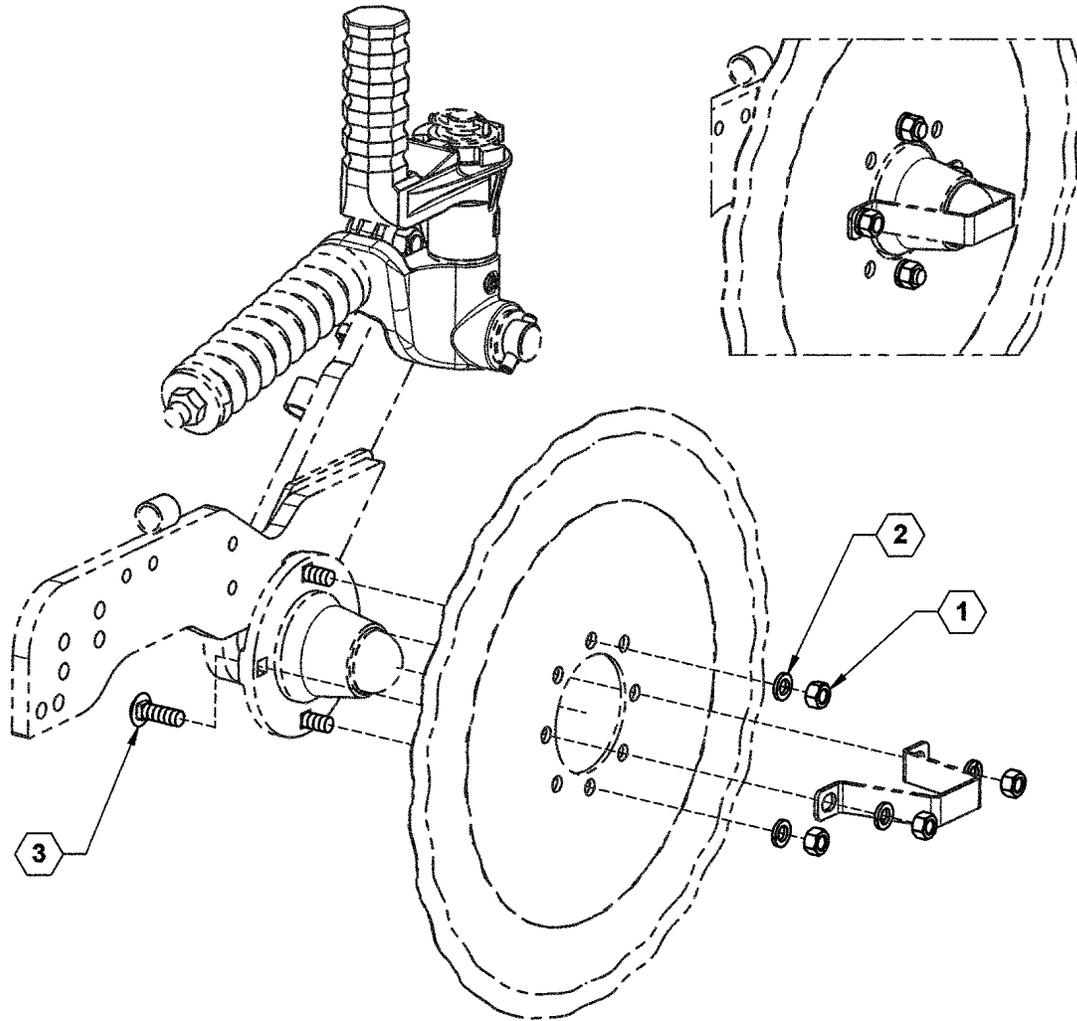
### AP Coulters and Blade Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                    |
|------|----------|------|--------------------------------|
| 1    | 17214    | 1    | HUB RETAINER BRACKET           |
| 2    | 17300    | 1    | ASSEMBLY, AP COULTER ROW UNIT  |
| 3    | 510020   | 1    | HOSE, 3/8" EPDM X 54"          |
| 4    | 540032   | 2    | CLAMP, HOSE SS 5/16" #5        |
| 5    | 590076   | 1    | CAP, QT NYLON BLACK            |
| 6    | 590077   | 1    | CONNECTOR, HOSE BARB           |
| 7    | 590278   | 1    | HARDWARE KIT, COULTER MOUNT    |
| 8    | 590814   | 1    | HARDWARE KIT, UPPER MOUNT      |
| 9    | 750014   | 1    | COULTER BLADE, 20" RIPPLED     |
| 10   | 800198   | 1    | DECAL, UPPER MOUNT PATENT      |
| 11   | 800209   | 1    | DECAL, D FAST GLOBAL SOLUTIONS |



# ILLUSTRATED PARTS LIST

## Hardware Kit, Coulter Mount



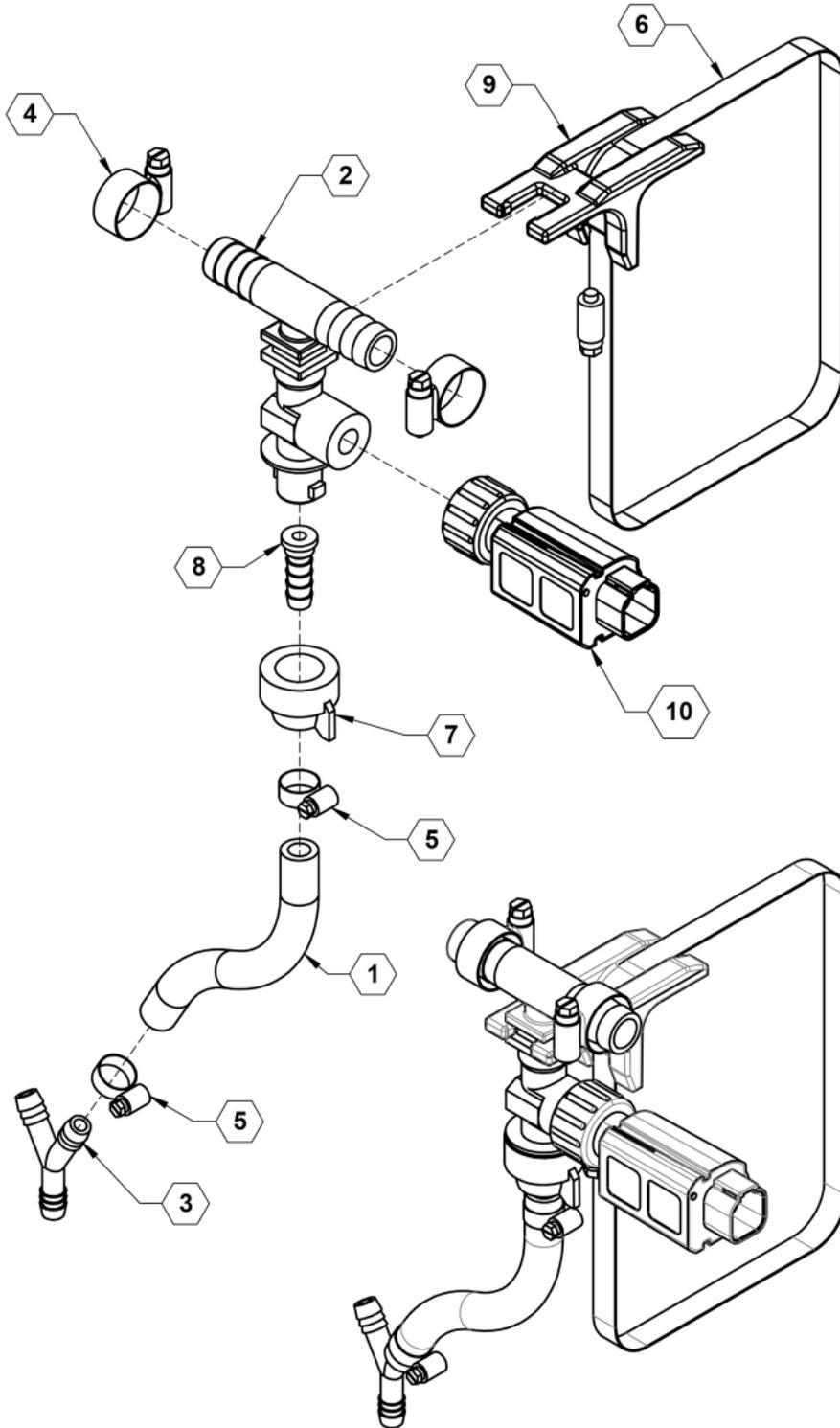


## ILLUSTRATED PARTS LIST

### Hardware Kit, Coulter Mount Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                          |
|------|----------|------|--------------------------------------|
| 1    | 596215M  | 4    | NUT, HEX 1/2 NC GR5 MAGNI            |
| 2    | 596251M  | 4    | WASHER, LOCK, 1/2 MAGNI              |
| 3    | 596620M  | 4    | BOLT, CARRIAGE, 1/2X 1-1/2 GR5 MAGNI |

## Hawkeye End Coupler Assembly



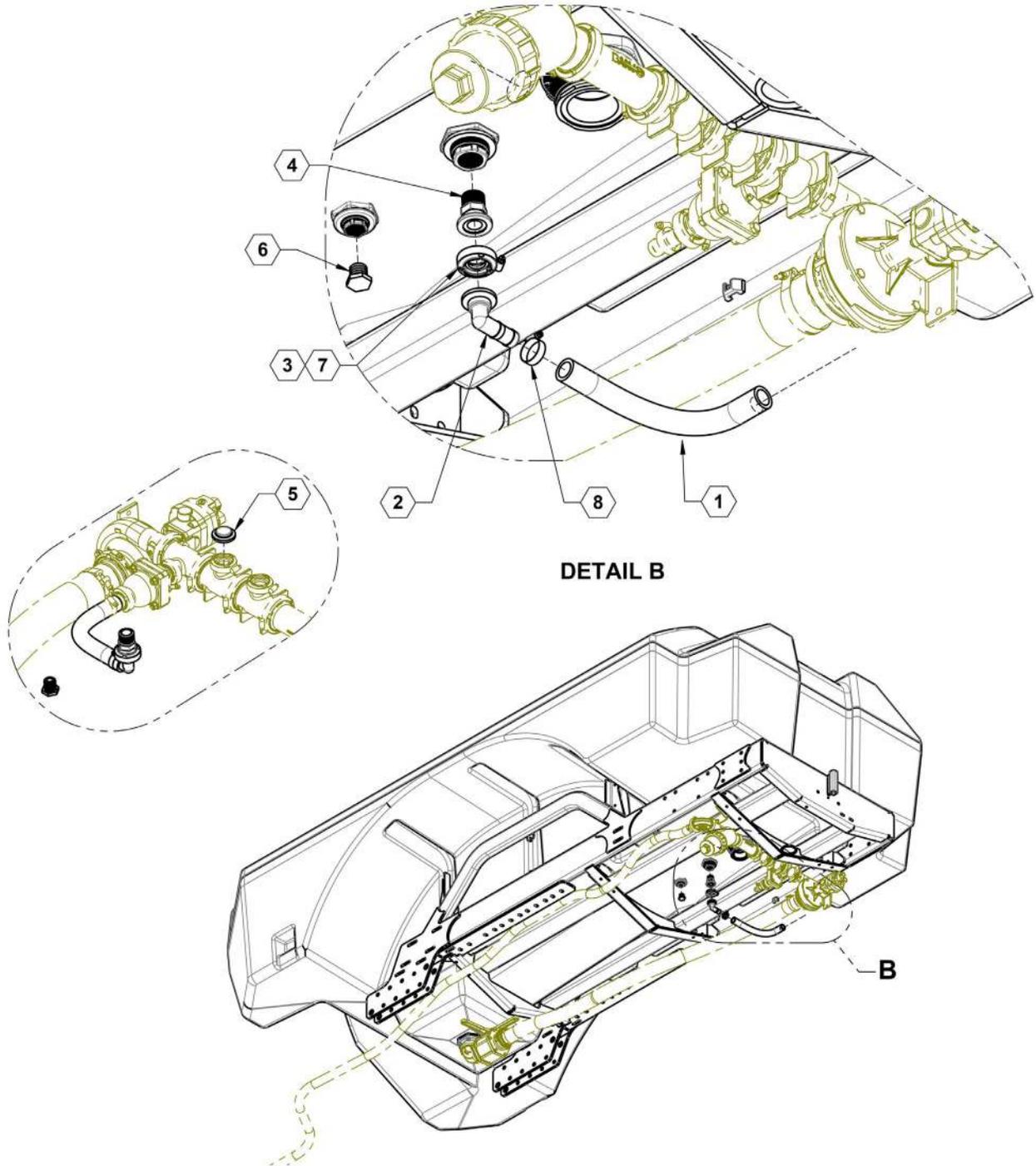


## ILLUSTRATED PARTS LIST

### Hawkeye End Coultter Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 1    | 510020   | 1    | HOSE 3/8" EPDM                   |
| 2    | 520093   | 1    | NOZZLE, DOUBLE HOSE SHANK        |
| 3    | 530372   | 1    | 3/8" HOSE BARB Y FITTING         |
| 4    | 540013   | 2    | CLAMP, HOSE SS 3/4" #12          |
| 5    | 540032   | 2    | CLAMP, HOSE SS 5/16" #5          |
| 6    | 540050   | 1    | CLAMP, HOSE SS 5 1/2" - 8 1/2"   |
| 7    | 590076   | 1    | CAP, QT NYLON BLACK              |
| 8    | 590077   | 1    | CONNECTOR, HOSE BARB             |
| 9    | 590187   | 1    | MOUNT, PLUMBING                  |
| 10   | 631984   | 1    | ASSEMBLY, HAWKEYE NOZZLE TEE JET |

No Agitation



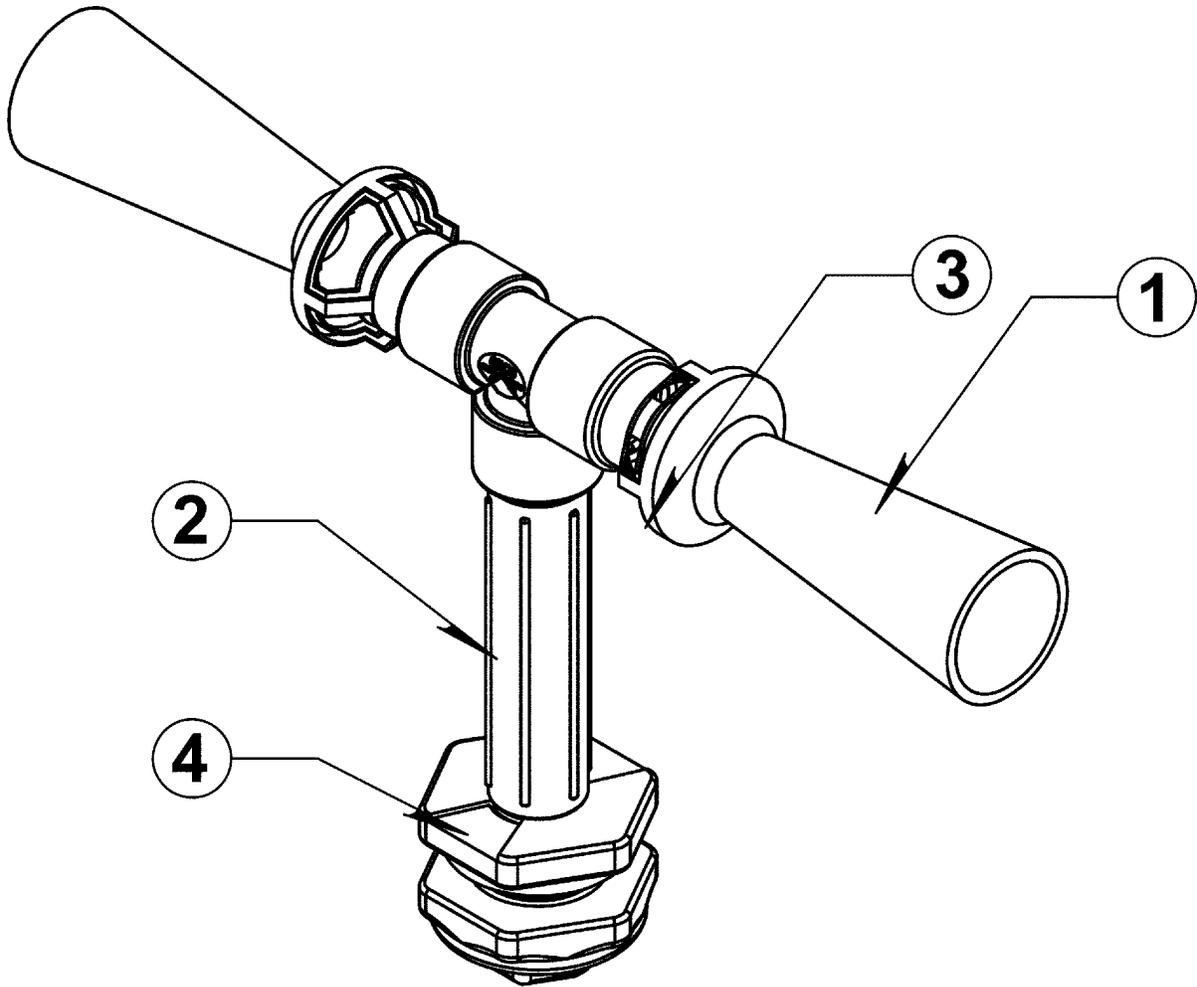


## ILLUSTRATED PARTS LIST

### No Agitation Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                             |
|------|----------|------|---|
| 1    | 510016   | 1    | 1" EPDM HOSE X 2'                       |
| 2    | 530067   | 1    | FITTING, 1" MANIFOLD X 1" HOSE BARB 90° |
| 3    | 530068   | 1    | GASKET, 1" EPDM                         |
| 4    | 530069   | 1    | FLANGE, 1" MANIFOLD X 1" MPT            |
| 5    | 530070   | 1    | MANIFOLD PLUG, 1"                       |
| 6    | 530392   | 1    | PLUG, 3/4" POLY PIPE                    |
| 7    | 540000   | 1    | CLAMP, WORM SCREW 1"                    |
| 8    | 540014   | 1    | CLAMP, HOSE SS 1" #16                   |

## Tank Agitation Fittings



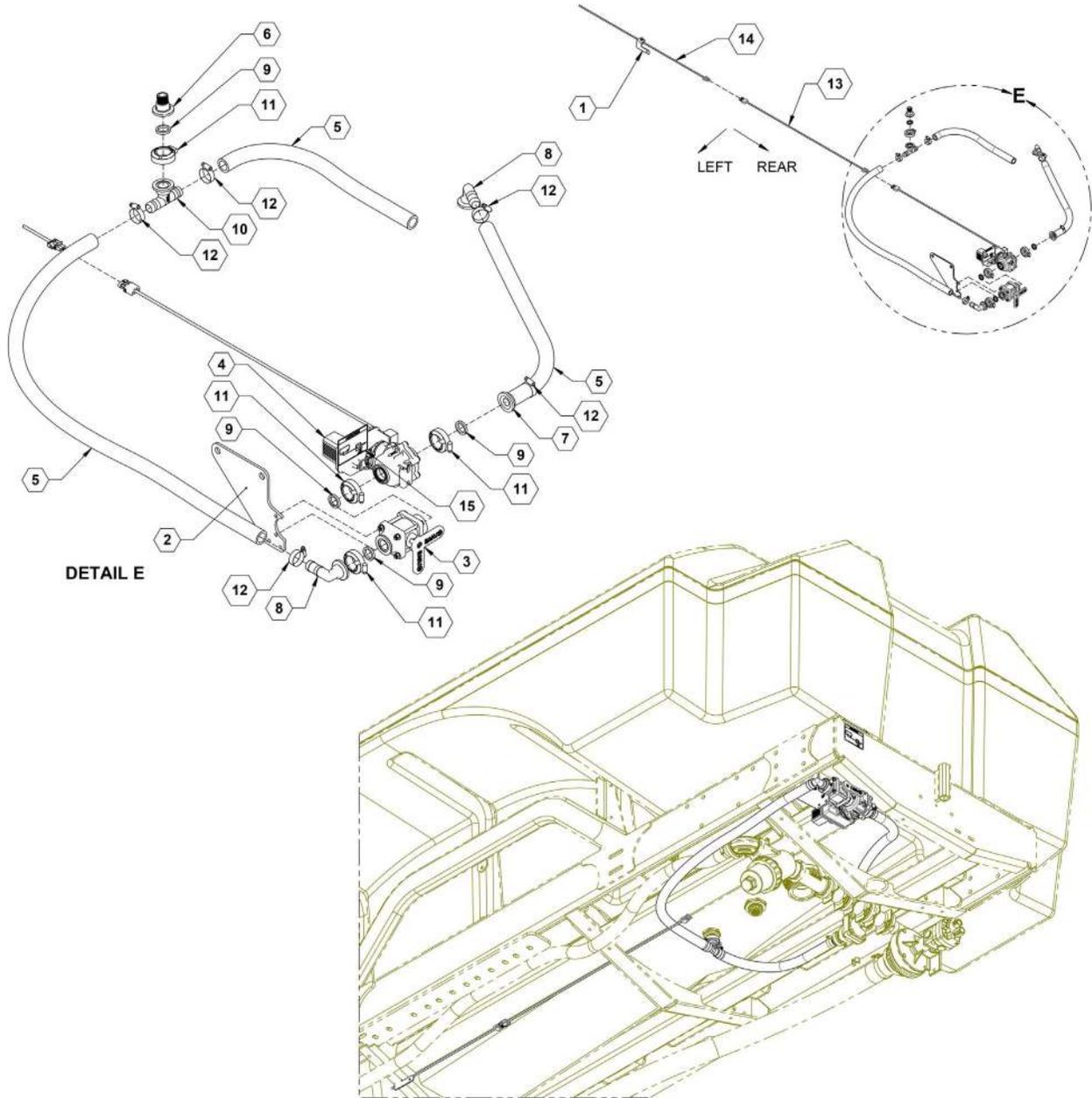


## ILLUSTRATED PARTS LIST

### Tank Agitation Fittings Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION           |
|------|----------|------|-----------------------|
| 1    | 520029   | 2    | AGITATION NOZZLE      |
| 2    | 530130   | 1    | NIPPLE, 3/4" X 6"     |
| 3    | 530156   | 1    | TEE, 3/4" NPT         |
| 4    | 530160   | 1    | 3/4" BULKHEAD FITTING |

## Electric Agitation



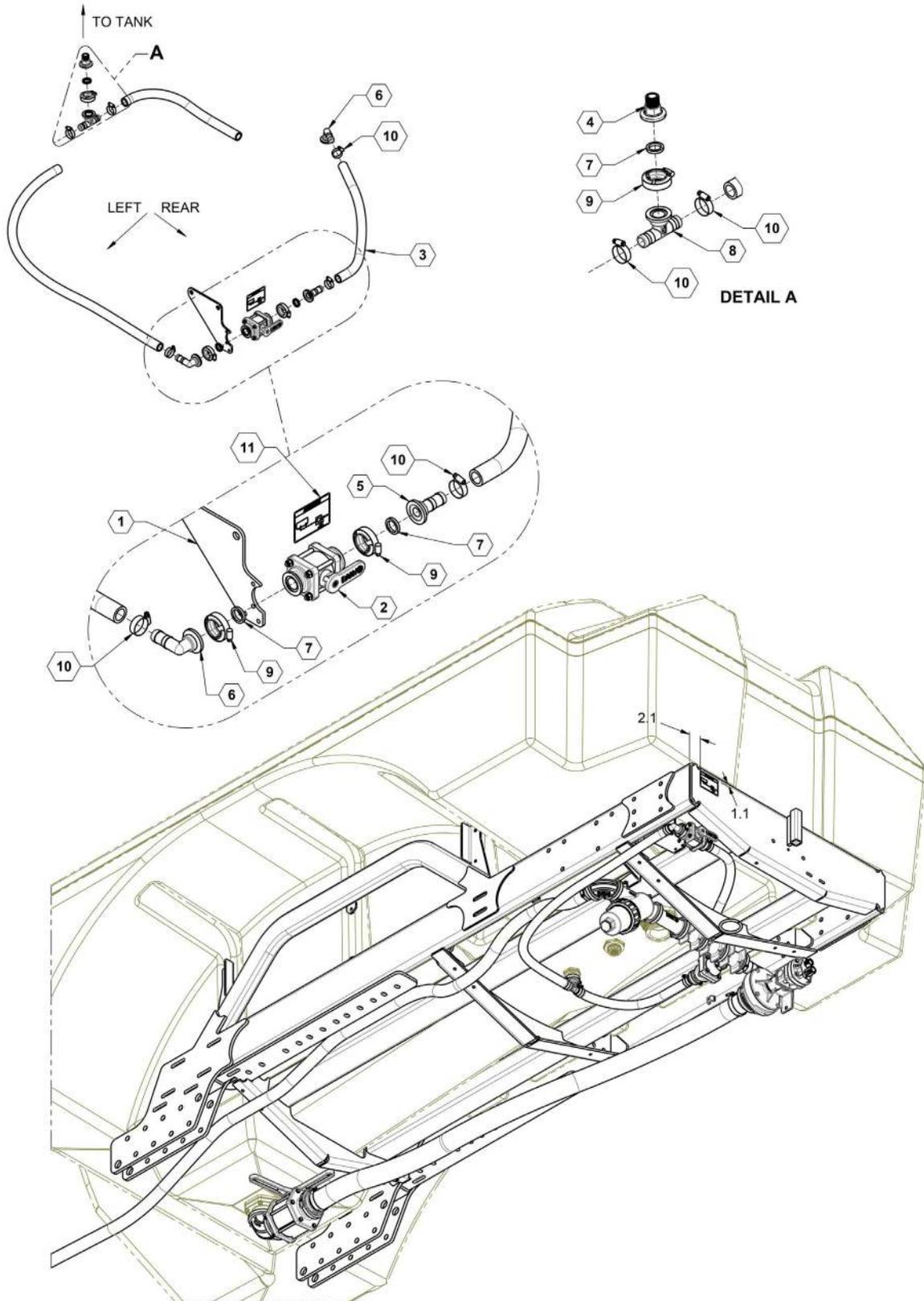


## ILLUSTRATED PARTS LIST

### Electric Agitation Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                                 |
|------|----------|------|---|
| 1    | 11145    | 1    | SWITCH BRACKET                              |
| 2    | 27907    | 1    | PLATE, AGITATION MOUNT                      |
| 3    | 500005   | 1    | VALVE, 1" FP WITH C-FLANGE                  |
| 4    | 500064   | 1    | VALVE, 356 SERIES ON/OFF ELECTRIC AGITATION |
| 5    | 510016   | 1    | HOSE, 1" EPDM - 9'                          |
| 6    | 530062   | 1    | FLANGE, 1" X 3/4" MALE THREAD               |
| 7    | 530066   | 1    | MANIFOLD FITTING, 1" X 1" HB                |
| 8    | 530067   | 2    | FITTING, 1" MANIFOLD X 1" HB 90°            |
| 9    | 530068   | 4    | GASKET, 1" EPDM                             |
| 10   | 530431   | 1    | MANIFOLD FITTING X 1" HB TEE                |
| 11   | 540000   | 4    | CLAMP, WORM SCREW 1"                        |
| 12   | 540014   | 5    | CLAMP, HOSE SS 1" #16                       |
| 13   | 631931   | 1    | 26' 3 PIN WEATHERPACK EXTENSION             |
| 14   | 631970   | 1    | SWITCH/CABLE                                |
| 15   | 800250   | 1    | DECAL, AGITATION VALVE OPERATION            |

### Manual Agitation (Hi Volume)



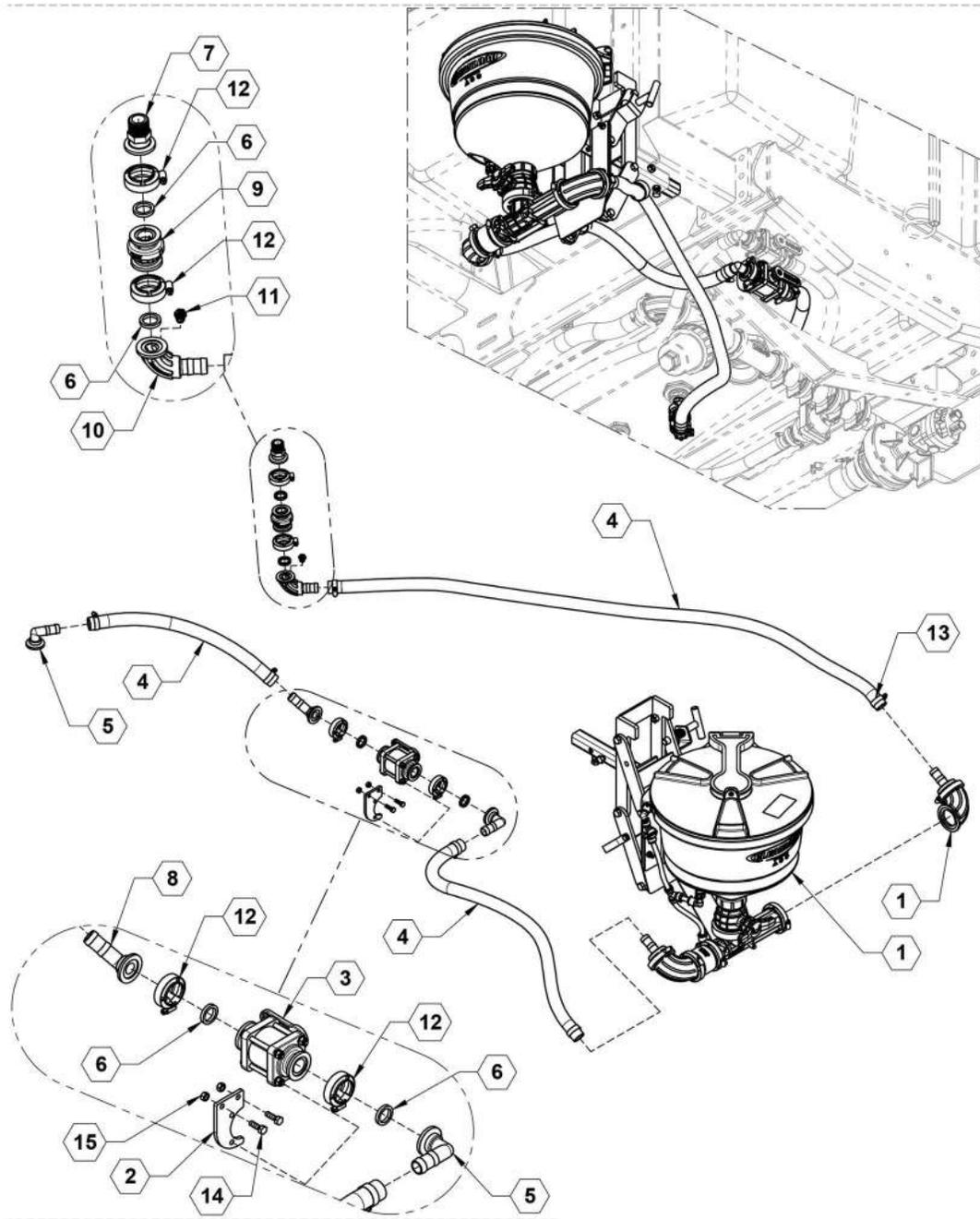


## ILLUSTRATED PARTS LIST

### Manual Agitation (Hi Volume) Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 1    | 27907    | 1    | PLATE, AGITATION MOUNT           |
| 2    | 500005   | 1    | VALVE, 1" FP WITH C-FLANGE       |
| 3    | 510016   | 1    | HOSE, 1" EPDM X 2 FT             |
| 4    | 530062   | 1    | FLANGE, 1" X 3/4" MALE THREAD    |
| 5    | 530066   | 1    | MANIFOLD FITTING, 1" X 1" HB     |
| 6    | 530067   | 2    | FITTING, 1" MANIFOLD X 1" HB 90° |
| 7    | 530068   | 3    | GASKET, 1" EPDM                  |
| 8    | 530431   | 1    | MANIFOLD FITTING X 1" HB TEE     |
| 9    | 540000   | 3    | CLAMP, WORM SCREW 1"             |
| 10   | 540014   | 5    | CLAMP, HOSE SS 1" #16            |
| 11   | 800250   | 1    | DECAL, AGITATION VALVE OPERATION |

## Eductor - Applicator



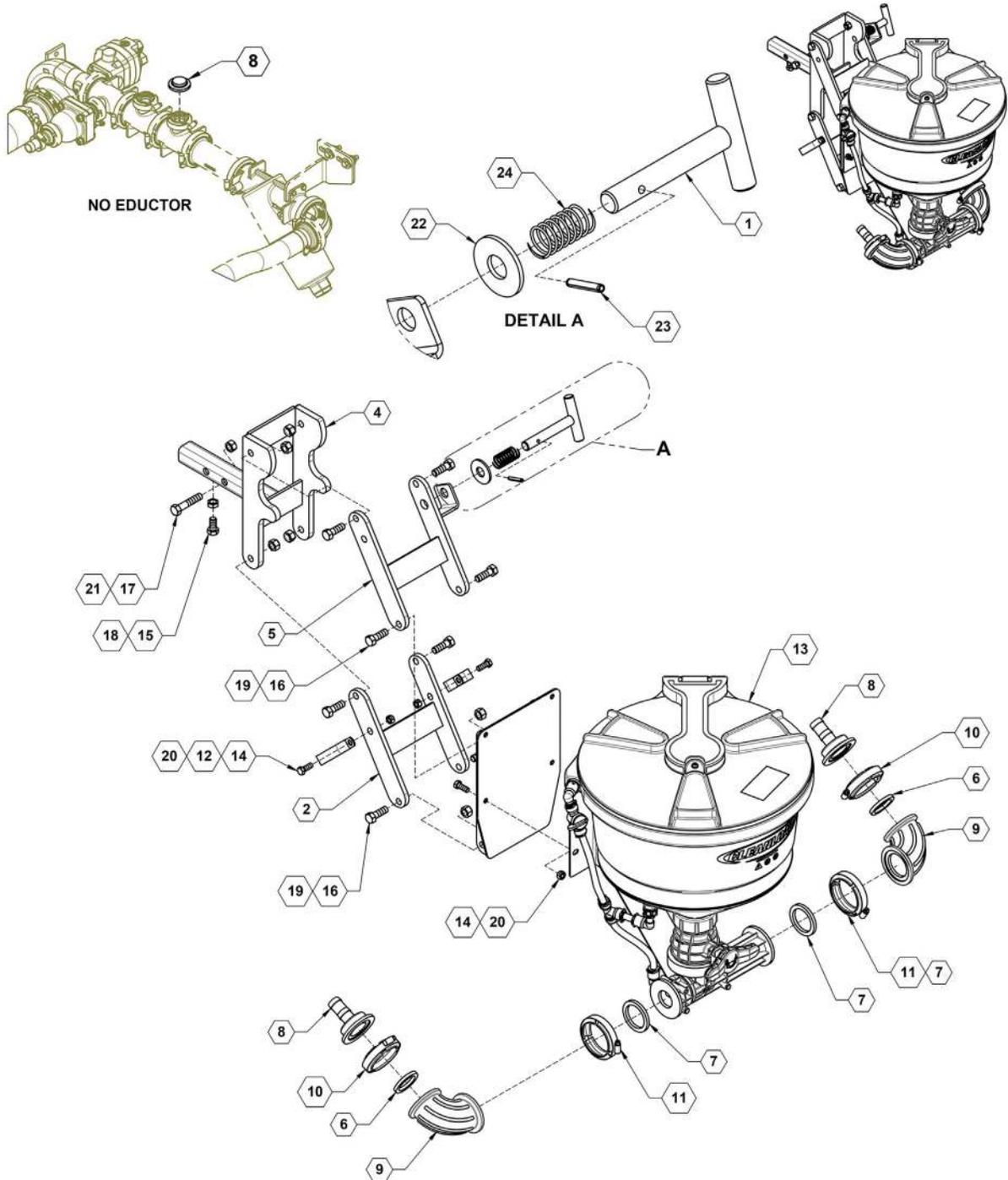


## ILLUSTRATED PARTS LIST

### Eductor - Applicator Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 1    | 26819    | 1    | ASSEMBLY, WITH EDUCTOR           |
| 2    | 27253    | 1    | PLATE, AGITATION MOUNT           |
| 3    | 500005   | 1    | VALVE, 1" FP WITH C-FLANGE       |
| 4    | 510016   | 1    | HOSE, 1" EPDM - 11'              |
| 5    | 530067   | 2    | FITTING, 1" MANIFOLD X 1" HB 90° |
| 6    | 530068   | 4    | GASKET, 1" EPDM                  |
| 7    | 530069   | 1    | FLANGE, 1" MANIFOLD X 1" MPT     |
| 8    | 530426   | 1    | 1" FLANGE X 1" 45° HOSEBARB      |
| 9    | 530444   | 1    | VALVE 1" MANIFOLD CHECK ASSEMBLY |
| 10   | 530445   | 1    | FLANGE SWEEP X 1" HB             |
| 11   | 530446   | 1    | PLUG, 1/4"                       |
| 12   | 540000   | 4    | CLAMP, WORM SCREW 1"             |
| 13   | 540014   | 6    | CLAMP, HOSE SS 1" #16            |
| 14   | 596115M  | 2    | BOLT, HH 5/16-18X1 GR5 MAGNI     |
| 15   | 596236M  | 2    | NUT, CENTERLOCK, 5/16-18 MAGNI   |
| NS   | 800251   | 1    | DECAL, EDUCTOR VALVE OPERATION   |

## Eductor Assembly



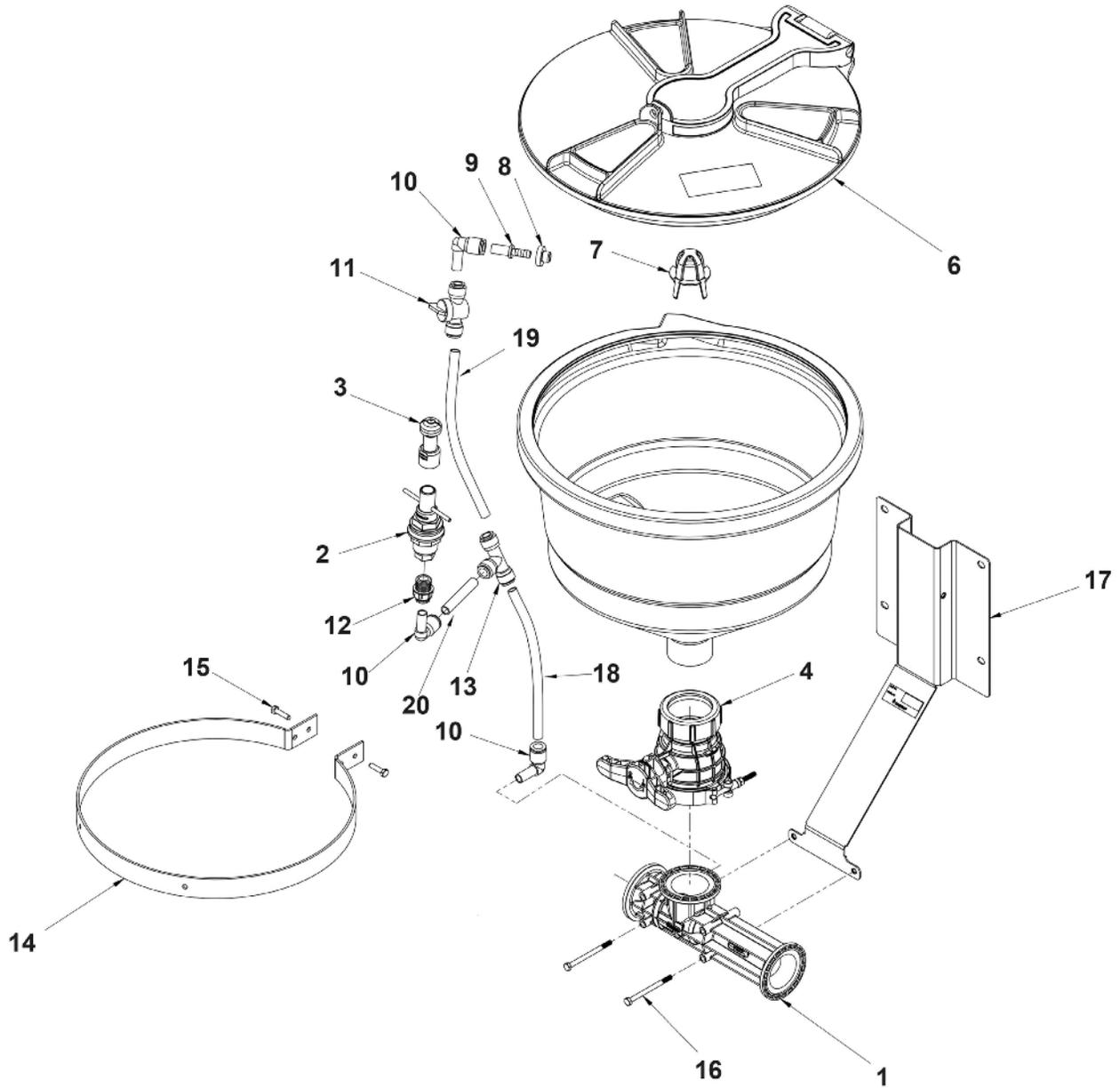


# ILLUSTRATED PARTS LIST

## Eductor Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                         |
|------|----------|------|-------------------------------------|
| 1    | 7981     | 1    | TRANSPORT LOCK PIN                  |
| 2    | 15676    | 1    | EDUCTOR LINK LOWER                  |
| 3    | 16560    | 1    | HYPRO EDUCTOR MOUNT                 |
| 4    | 27671    | 1    | FRAME EDUCTOR BASE                  |
| 5    | 27673    | 1    | EDUCTOR LINK UPPER                  |
| 6    | 530014   | 2    | GASKET, 1-1/2" EPDM                 |
| 7    | 530019   | 2    | GASKET, 2" EPDM                     |
| 8    | 530072   | 2    | FITTING, 2" FLANGE X 1" HB          |
| 9    | 530388   | 2    | MANIFOLD SWEEP, 2" FP X 2" STANDARD |
| 10   | 540001   | 2    | CLAMP, 2" STANDARD WORM SCREW       |
| 11   | 540002   | 2    | CLAMP, WORM SCREW 2"                |
| 12   | 540051   | 2    | P-CLAMP, 2" WITH 3/8" HOLE          |
| 13   | 570119   | 1    | EDUCTOR, 7 GALLON TANK              |
| 14   | 596128M  | 6    | BOLT, HH 3/8-16 X 1 GR5 MAGNI       |
| 15   | 596152M  | 1    | BOLT, HH 1/2X1 GR5 MAGNI            |
| 16   | 596153M  | 8    | BOLT, HH 1/2-13X1-1/2 GR5 MAGNI     |
| 17   | 596155M  | 1    | BOLT, HH 1/2-13X2-1/2 GR5 MAGNI     |
| 18   | 596223M  | 1    | NUT, HEX JAM 1/2-13 MAGNI           |
| 19   | 596231M  | 8    | NUT, HEX NYLOCK 1/2-13 MAGNI        |
| 20   | 596237M  | 6    | NUT, CENTERLOCK 3/8-16 MAGNI        |
| 21   | 596239M  | 1    | NUT, CENTERLOCK, 1/2-13 MAGNI       |
| 22   | 596259M  | 1    | WASHER, FLAT 3/4 MAGNI              |
| 23   | 596299M  | 1    | ROLL PIN, 1/4 X 1-1/2"              |
| 24   | 790001   | 1    | SPRING, EDUCTOR LATCH               |
| 25   | 530070   | 1    | MANIFOLD PLUG, 1"                   |

## Eductor



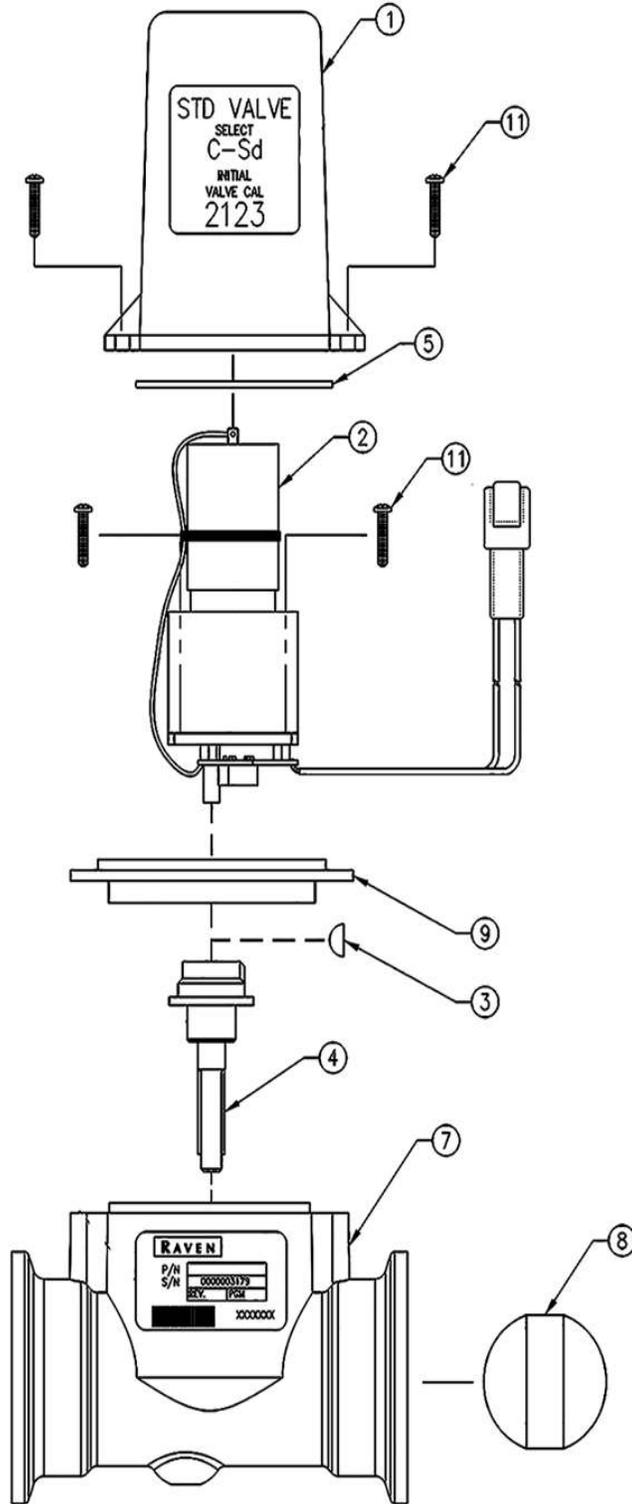


## ILLUSTRATED PARTS LIST

### Eductor 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) |

## Raven Butterfly Valve





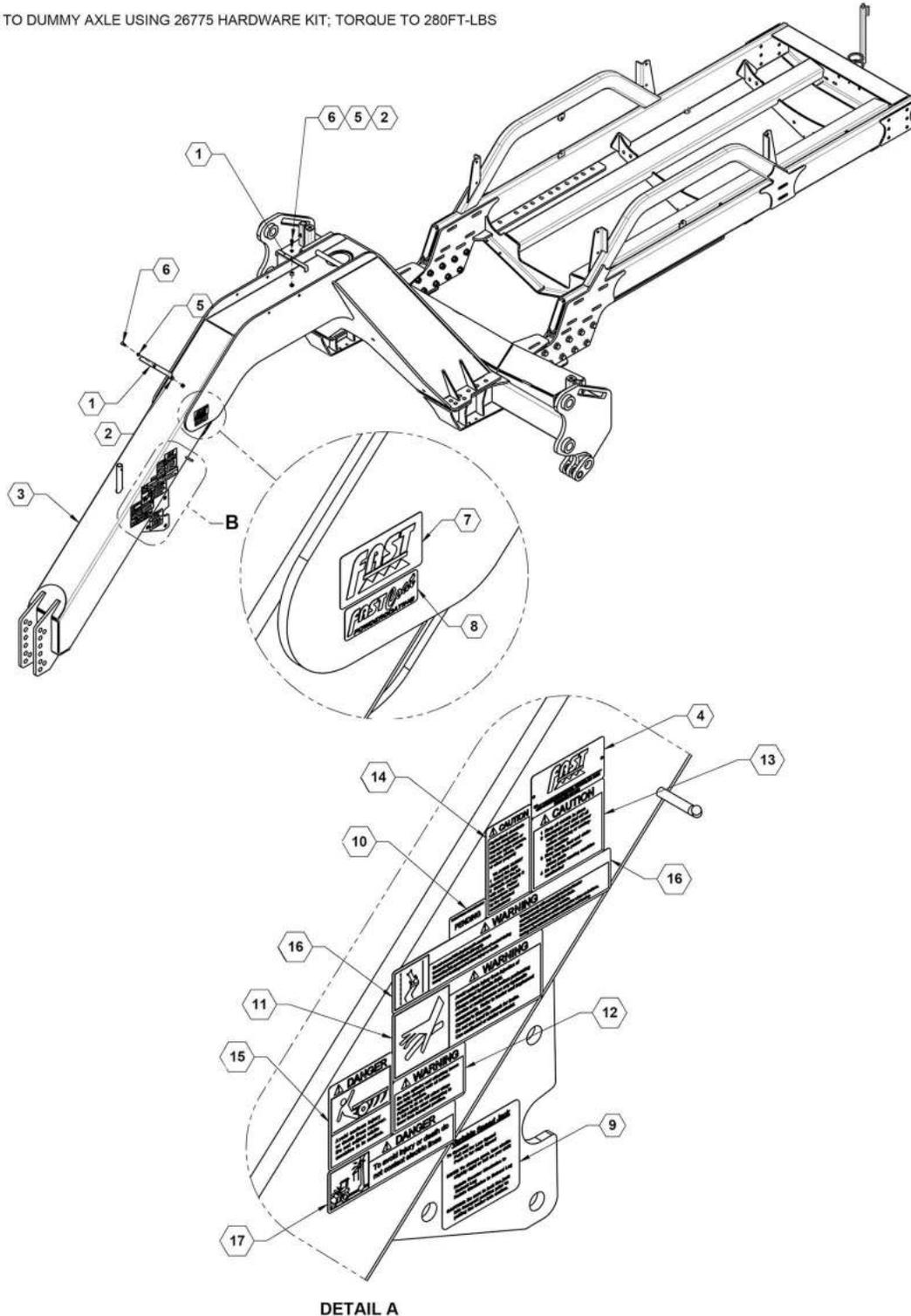
## ILLUSTRATED PARTS LIST

### Raven Butterfly Valve Parts List

| ITEM | PART NO.     | QTY. | DESCRIPTION                           |
|------|--------------|------|---------------------------------------|
| 0    | 632037       | 1    | COMPLETE BUTTERFLY VALVE (ITEMS 1-16) |
| 1    | 106-0159-407 | 1    | COVER VALVE                           |
| 2    | 063-0173-418 | 1    | MOTOR ASSEMBLY                        |
| 3    | 321-0000-062 | 1    | WOODRUFF KEY                          |
| 4    | 063-0171-893 | 1    | COUPLE SHAFT                          |
| 5    | 219-0000-020 | 1    | TETRASEAL SEAL                        |
| 6    | 222-0000-002 | AR   | VERSILUBE LUBRICANT                   |
| 7    | 063-0171-892 | 1    | BODY ASSEMBLY                         |
| 8    | 106-0159-414 | 1    | BUTTERFLY VALVE                       |
| 9    | 063-015-0457 | 1    | ISOLATION FLANGE ASSEMBLY             |
| 10   | 222-1001-050 | AR   | RETAINING COMPOUND                    |
| 11   | 321-0000-256 | 6    | SCREW                                 |
| 12   | 041-0159-452 | 1    | LABEL                                 |
| 15   | 222-1001-006 | AR   | ADHESIVE SEAL                         |
| 16   | 054-0159-337 | 1    | REPLACEMENT PARTS LIST                |

## Non-Steerable Gooseneck

NOTE:  
1. BOLTS TO DUMMY AXLE USING 26775 HARDWARE KIT; TORQUE TO 280FT-LBS





## ILLUSTRATED PARTS LIST

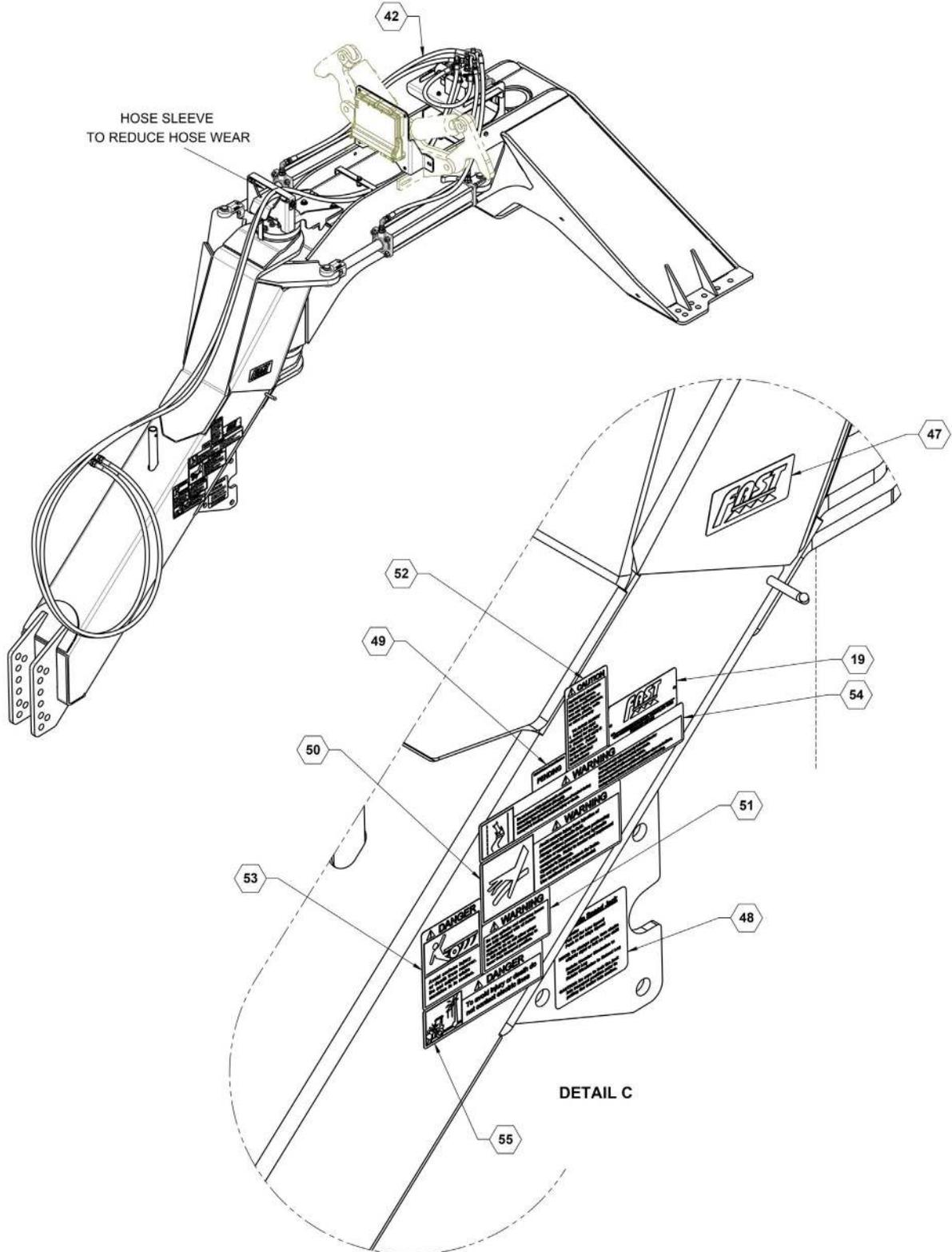
### Non-Steerable Gooseneck Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                    |
|------|----------|------|--------------------------------|
| 1    | 15558    | 2    | BRACKET, HOSE                  |
| 2    | 15566    | 2    | SPACER, HOSE BRACKET           |
| 3    | 26636    | 1    | HITCH CART                     |
| 4    | 590216   | 1    | FAST SERIAL TAG                |
| 5    | 596250M  | 2    | LOCKWASHER 3/8 MAGNI           |
| 6    | 596635M  | 2    | BOLT, HH 3/8-16 x 1-1/4 MAGNI  |
| 7    | 800020   | 1    | DECAL, FAST LOGO BLACK/GRAY    |
| 8    | 800023   | 1    | DECAL, POWDER COAT             |
| 9    | 800044   | 1    | DECAL, VARIABLE SPEED JACK     |
| 10   | 800091   | 1    | DECAL, US PATENT PENDING       |
| 11   | 800098   | 1    | DECAL, WARNING-HYDRAULIC FLUID |
| 12   | 800099   | 1    | DECAL, WARNING-CHARGE WITH OIL |
| 13   | 800100   | 1    | DECAL, CAUTION-SHIELDS         |
| 14   | 800101   | 1    | DECAL, CAUTION-AG CHEMICAL     |
| 15   | 800103   | 1    | DECAL, DANGER-RUNOVER          |
| 16   | 800104   | 1    | DECAL, WARNING-DO NOT SPEED    |
| 17   | 800112   | 1    | DECAL, DANGER-ELECTRIC LINES   |

## Steerable Gooseneck

NOTE:

1. BOLTS TO DUMMY AXLE USING 26775 HARDWARE KIT; TORQUE TO 280FT-LBS
2. TORQUE TO 280FT-LBS MIN



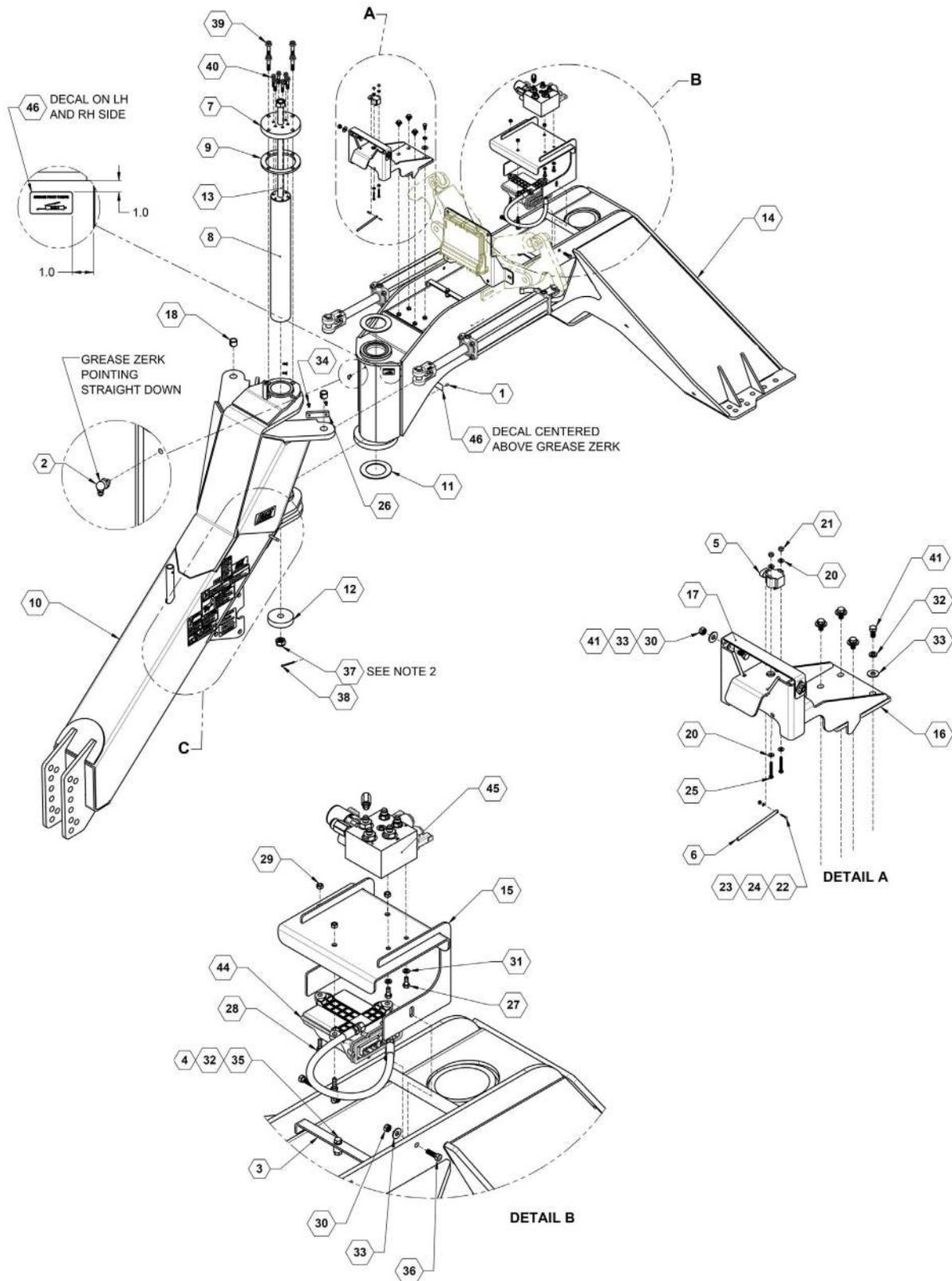


## ILLUSTRATED PARTS LIST

### Steerable Gooseneck Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                    |
|------|----------|------|--------------------------------|
| 19   | 590216   | 1    | FAST SERIAL TAG                |
| 42   | 600107   | 1    | STEERABLE GOOSENECK KIT        |
| 47   | 800020   | 1    | DECAL, FAST LOGO BLACK/GRAY    |
| 48   | 800044   | 1    | DECAL, VARIABLE SPEED JACK     |
| 49   | 800091   | 1    | DECAL, US PATENT PENDING       |
| 50   | 800098   | 1    | DECAL, WARNING-HYDRAULIC FLUID |
| 51   | 800099   | 1    | DECAL, WARNING-CHARGE WITH OIL |
| 52   | 800101   | 1    | DECAL, CAUTION-AG CHEMICAL     |
| 53   | 800103   | 1    | DECAL, DANGER-RUNOVER          |
| 54   | 800104   | 1    | DECAL, WARNING-DO NOT SPEED    |
| 55   | 800112   | 1    | DECAL, DANGER-ELECTRIC LINES   |

## Steerable Gooseneck



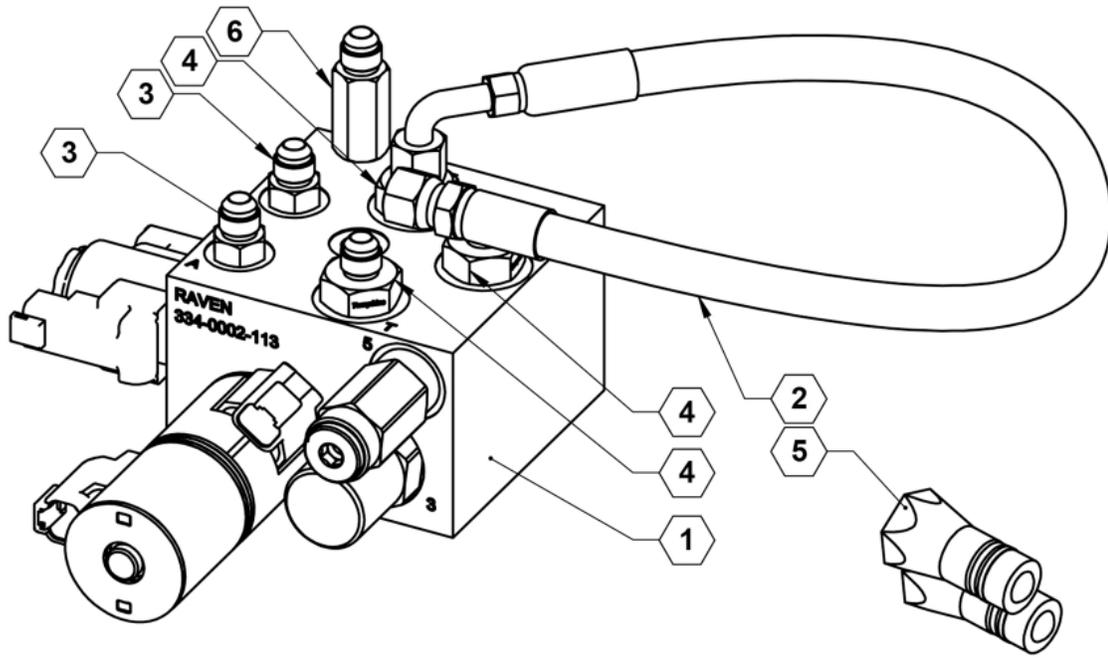


# ILLUSTRATED PARTS LIST

## Steerable Gooseneck Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                         |
|------|----------|------|-------------------------------------|
| 1    | 759      | 1    | ZERK, 1/4-28 STRAIGHT               |
| 2    | 761      | 1    | ZERK, 90 DEGREE, 1/4" STRAIGHT PIPE |
| 3    | 15558    | 1    | BRACKET, HOSE                       |
| 4    | 15566    | 1    | SPACER, HOSE BRACKET                |
| 5    | 21495    | 1    | 180 ROTARY SENSOR                   |
| 6    | 22906    | 1    | ROD, ROTARY SENSOR LEVER            |
| 7    | 25390    | 1    | PLATE, TOP CLAMP PUCK               |
| 8    | 25391    | 1    | KING PIN                            |
| 9    | 25392    | 1    | PLATE, PUCK SPACER                  |
| 10   | 26335    | 1    | STEERABLE GOOSENECK                 |
| 11   | 26342    | 2    | PLATE, THRUST WASHER                |
| 12   | 26343    | 1    | PLATE, CLAMP PUCK                   |
| 13   | 26363    | 1    | ROD THREADED 1-8                    |
| 14   | 27082    | 1    | HITCH CART                          |
| 15   | 27093    | 1    | VALVE MOUNT                         |
| 16   | 27132    | 1    | BULKHEAD MOUNT                      |
| 17   | 27169    | 1    | HOSE HOLDER PLATE                   |
| 18   | 530281   | 4    | SPRING BUSHING 1" I.D.              |
| 20   | 590272   | 4    | WASHER SAE #10 SS18-8               |
| 21   | 590274   | 2    | NUT, NYLON 10-24 SS18-8             |
| 22   | 590275   | 1    | PHILLIPS SCREW, 3-48 X .625 SS18-8  |
| 23   | 590276   | 1    | NUT NYLON 3-48 SS18-8               |
| 24   | 590277   | 1    | WASHER #3 SS18-8                    |
| 25   | 590336   | 2    | BOLT, HH, 10-24 X 1.5" ZP           |
| 26   | 590337   | 2    | PAD, BUMP                           |
| 27   | 596114M  | 2    | BOLT, HH 5/16-18X3/4 GR5 MAGNI      |
| 28   | 596115M  | 3    | BOLT, HH 5/16-18X1 GR5 MAGNI        |
| 29   | 596236M  | 3    | NUT, CENTERLOCK, 5/16-18 MAGNI      |
| 30   | 596237M  | 4    | NUT, CENTERLOCK 3/8 MAGNI           |
| 31   | 596249M  | 2    | LOCKWASHER 5/16 MAGNI               |
| 32   | 596250M  | 5    | LOCKWASHER 3/8 MAGNI                |
| 33   | 596258M  | 6    | WASHER, FLAT 3/8 MAGNI              |
| 34   | 596629M  | 4    | FHSCS 1/4-20 X 3/4 MAGNI            |
| 35   | 596635M  | 1    | BOLT, HH 3/8-16 x 1-1/4 MAGNI       |
| 36   | 596635M  | 2    | BOLT, HH 3/8-16 x 1-1/4 MAGNI       |
| 37   | 596807M  | 1    | HH GR5 1-8 SLOTTED LOCKNUT MAGNI    |
| 38   | 596808M  | 1    | COTTER PIN, 3/16 X 2" MAGNI         |
| 39   | 596816M  | 4    | 1/2-13 X 2 1/2 FLANGE BOLT          |
| 40   | 596817M  | 6    | 3/8-16 X 2 FLANGE BOLT              |
| 41   | 596818M  | 6    | BOLT, HH 3/8-16 X 3/4 GR5 MAGNI     |
| 43   | 620057   | 2    | CYLINDER, 30THC16.00-150            |
| 44   | 632092   | 1    | STEERABLE HITCH KIT                 |
| 45   | 632072   | 1    | RAVEN STEERING VALVE WITH FITTINGS  |
| 46   | 800287   | 1    | DECAL, GREASE PIVOT POINTS          |

## Raven Steerable Applicator Kit



## Raven Steerable Applicator Kit Parts List

| ITEM | PART NO.     | QTY. | DESCRIPTION  |
|------|--------------|------|--|
| 1    | 063-0131-130 | 1    | RAVEN STEERING VALVE   |
| 2    | 214-1001-170 | 1    | HOSE ASSEMBLY, 06-6FJX90-6FJX-24                             |
| 3    | 333-0012-045 | 2    | FITTING, ADAPTER, STRAIGHT, -6 JIC (M) TO -6 SAE O-RING (M)  |
| 4    | 333-0012-106 | 3    | FITTING, ADAPTER, STRAIGHT, -6 JIC (M) TO -10 SAE O-RING (M) |
| 5    | 333-0012-310 | 2    | COUPLER, HYDRAULIC, -10 SAE O-RING (F) TO ISO AG (M)         |
| 6    | 334-0003-078 | 1    | FITTING., CHECK VALVE, -6 JIC M/F, 5 PSI                     |



## ILLUSTRATED PARTS LIST

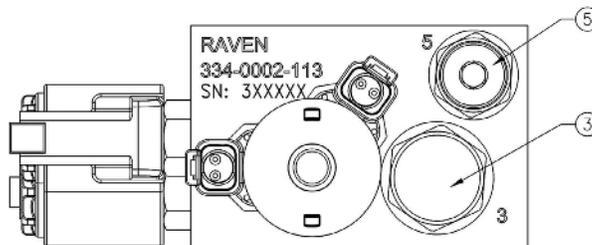
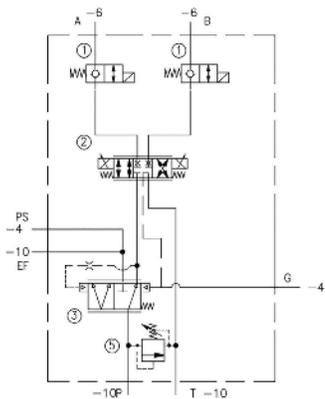
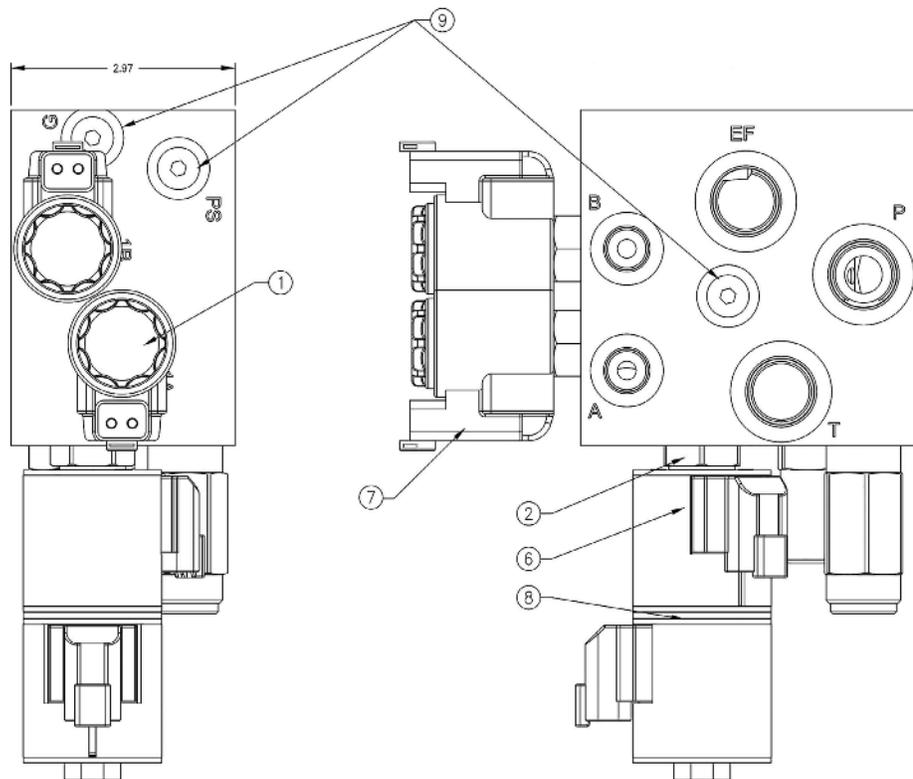
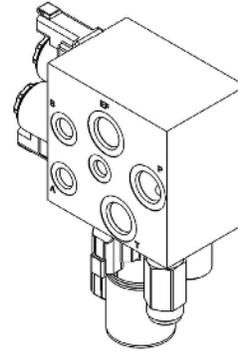
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# ILLUSTRATED PARTS LIST

## Raven Steering Valve





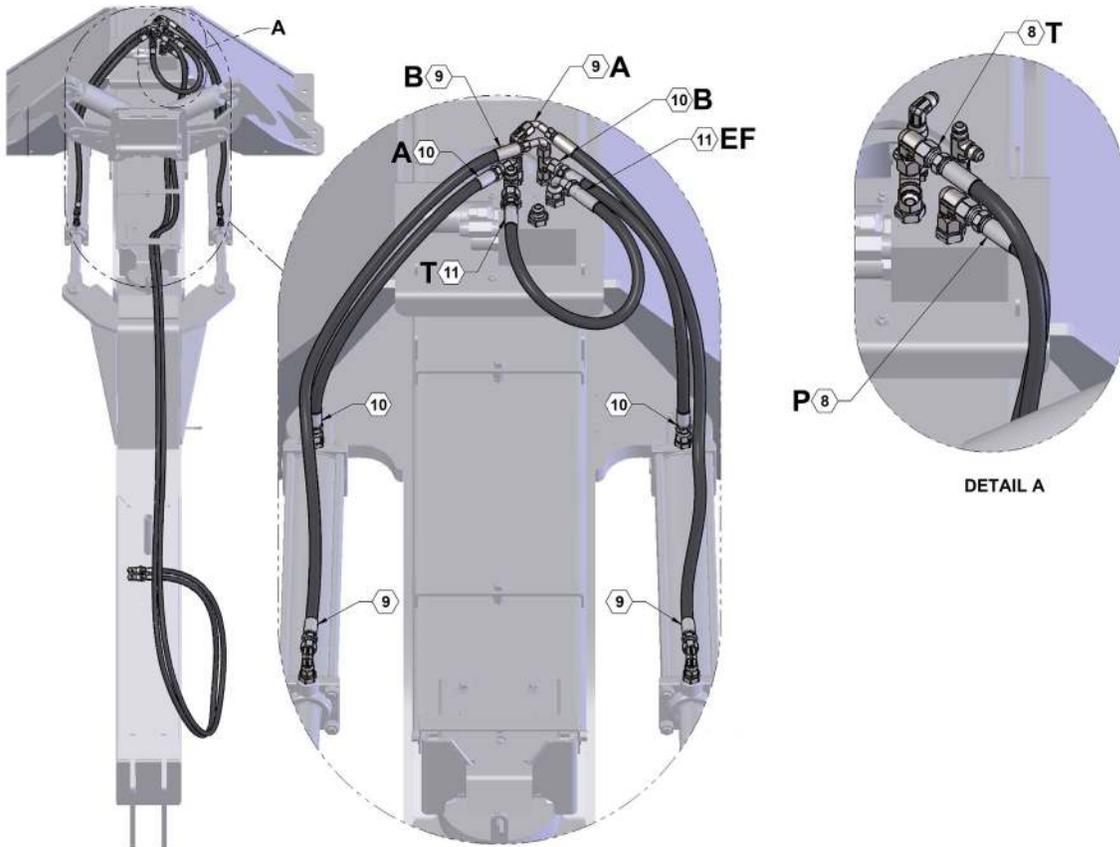
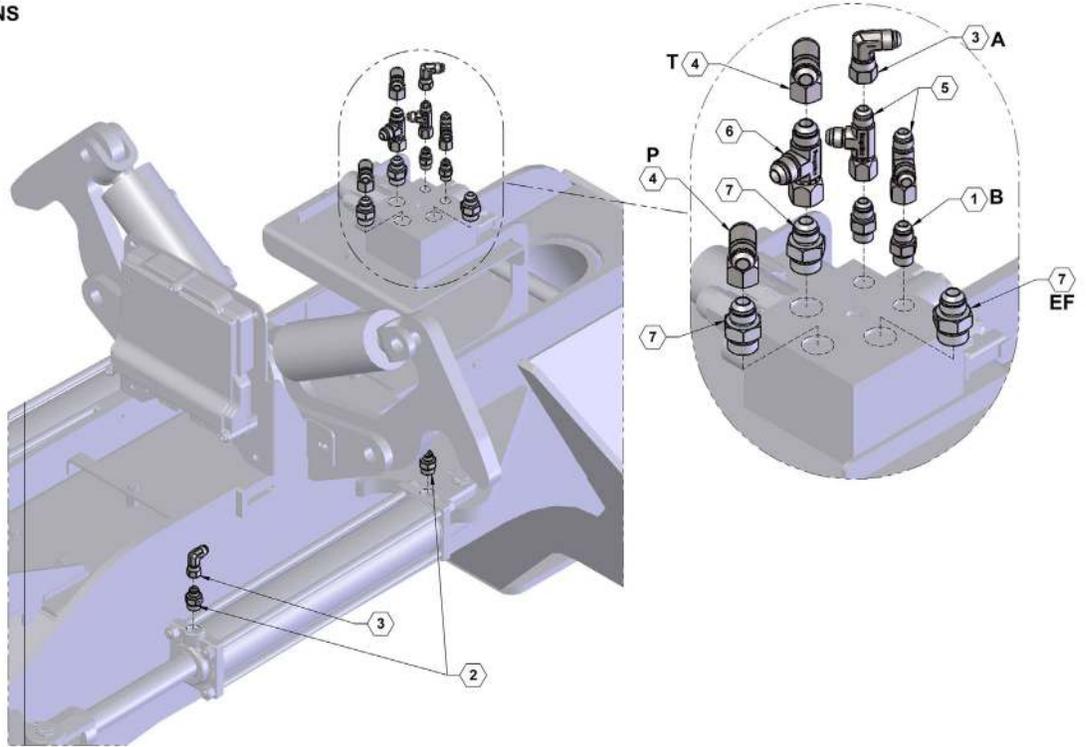
## ILLUSTRATED PARTS LIST

### Raven Steering Valve Parts List

| ITEM | PART NO. | VENDOR PART NO. | QTY. | DESCRIPTION                                 |
|------|----------|-----------------|------|---|
| 0    |          | 063-0131-130    | 1    | SMARTRAX VALVE (ITEMS 1-9)                  |
| 1    |          | 334-0002-096    | 2    | CARTRIDGE, BLOCKER, SINGLE, NORMALLY CLOSED |
| 2    |          | 334-0002-097    | 1    | CARTRIDGE, PROPORTIONAL, DIRECTIONAL        |
| 3    |          | 334-0002-102    | 1    | PRORITY VALVE                               |
| 4    |          | 334-0002-113    | 1    | MANIFOLD                                    |
| 5    |          | 334-0002-103    | 1    | RELIEF CARTRIDGE                            |
| 6    |          | 334-0002-117    | 2    | COIL  |
| 7    |          | 334-0002-118    | 2    | COIL  |
| 8    |          | 334-0002-119    | 1    | COIL SPACER                                 |
| 9    |          | 334-0002-051    | 3    | PLUG  |

## Steerable Gooseneck Hydraulics

### FITTING LOCATIONS





## ILLUSTRATED PARTS LIST

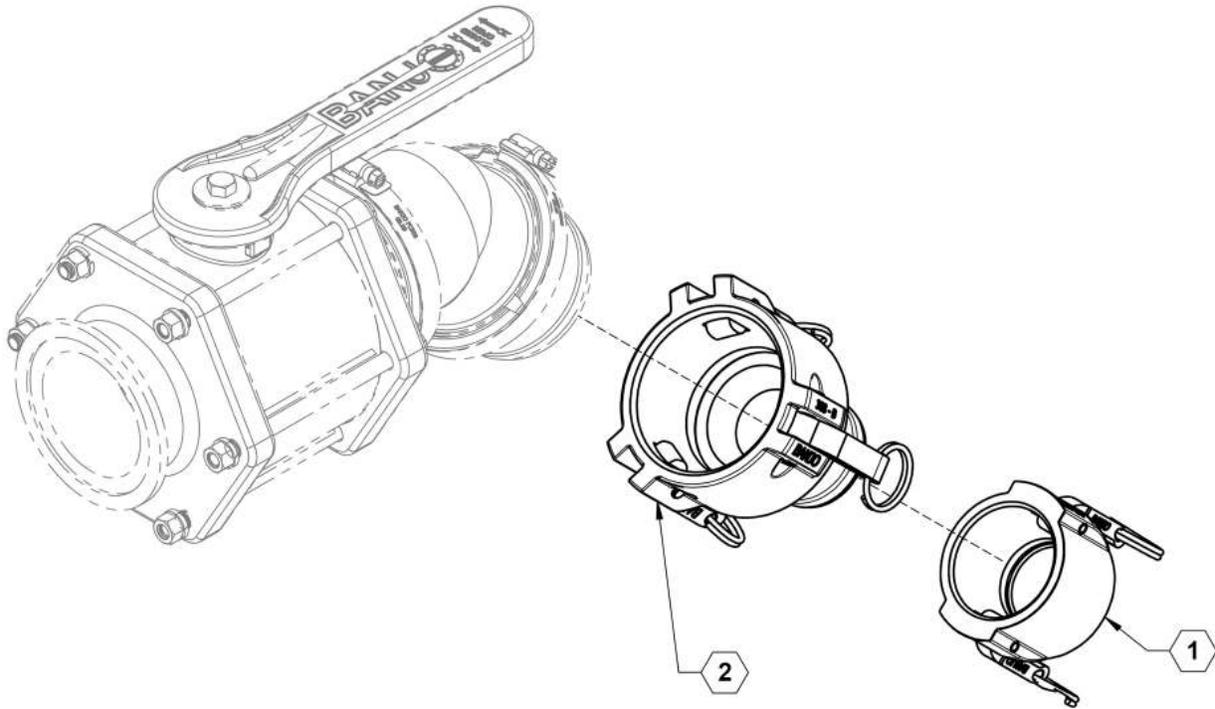
### Steerable Gooseneck Hydraulics Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                             |
|------|----------|------|---|
| 1    | 610010   | 2    | JIC #6 TO ORING #6                      |
| 2    | 610011   | 4    | JIC #6 TO ORING #8                      |
| 3    | 610023   | 3    | JIC #6 90 DEG                           |
| 4    | 610024   | 2    | JIC #8 90 DEG                           |
| 5    | 610027   | 2    | JIC #6 RUN TEE                          |
| 6    | 610053   | 1    | JIC #8 SWIVEL RUN TEE                   |
| 7    | 610060   | 3    | JIC #8 TO ORING #10                     |
| 8    | 600107-1 | 2    | HOSE ASSEMBLY, 06-8FJX-8MOR-PIONEER-193 |
| 9    | 600107-2 | 2    | HOSE ASSEMBLY, 06-6FJX90-6FJX-43        |
| 10   | 600107-3 | 2    | HOSE ASSEMBLY, 06-6FJX-6FJX-23          |
| 11   | 600107-4 | 1    | HOSE ASSEMBLY, 06-8FJX90-8FJX-24        |



# ILLUSTRATED PARTS LIST

## 3"- 2" Quick Fill Adapter





## ILLUSTRATED PARTS LIST

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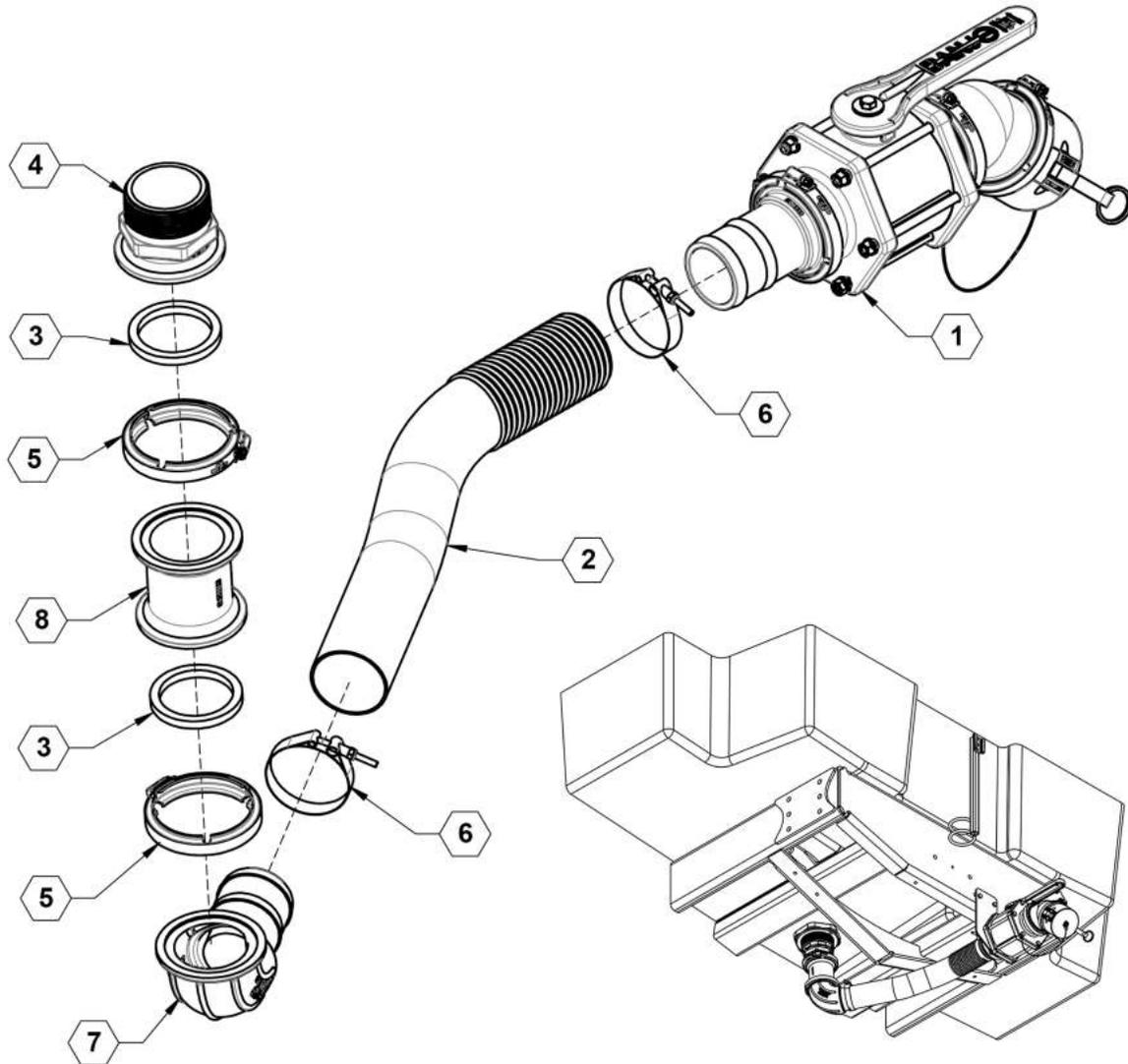
### 3"- 2" Quick Fill Adapter Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                        |
|------|----------|------|------------------------------------|
| 1    | 530017   | 1    | 2" QUICK FILL CAP                  |
| 2    | 530357   | 1    | 3" FEMALE COUPLING-2" MALE ADAPTER |



# ILLUSTRATED PARTS LIST

## Standard 3" Quick Fill



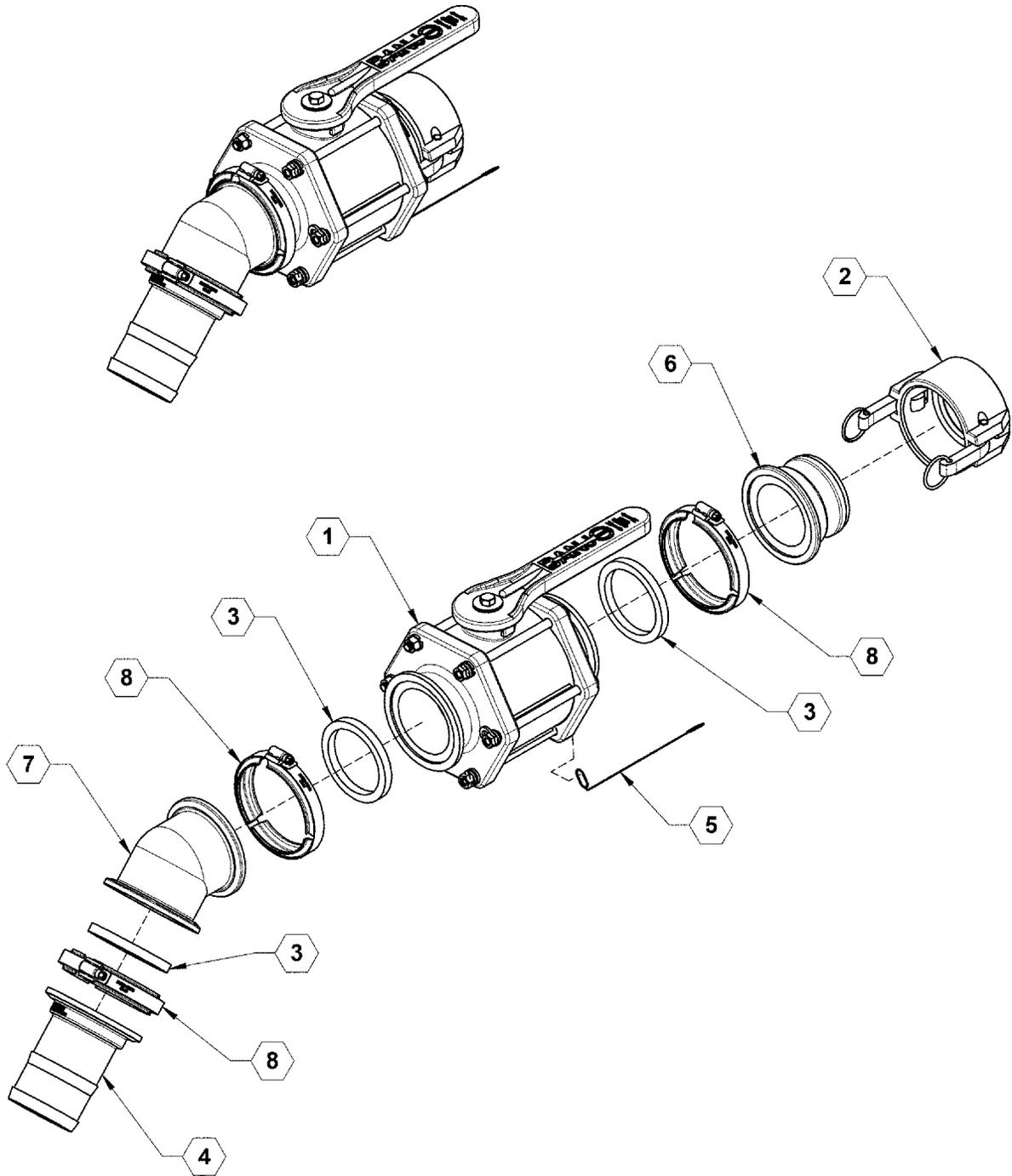


## ILLUSTRATED PARTS LIST

### Standard 3" Quick Fill Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                    |
|------|----------|------|--------------------------------|
| 1    | 90SA3QF  | 1    | SUB ASSEMBLY, 3" QUICK FILL    |
| 2    | 510004   | 1    | HOSE, 3" FERTILIZER X 3'       |
| 3    | 530024   | 2    | GASKET, 3" EPDM                |
| 4    | 540003   | 2    | CLAMP, WORM SCREW 3"           |
| 5    | 540009   | 2    | CLAMP, 3" T BOLT               |
| 6    | 530441   | 1    | 3" FLANGE SWEEP 90 X HOSE BARB |
| 7    | 530453   | 1    | 3" FLANGE COUPLING             |

## 3" Quick Fill Valve Assembly





## ILLUSTRATED PARTS LIST

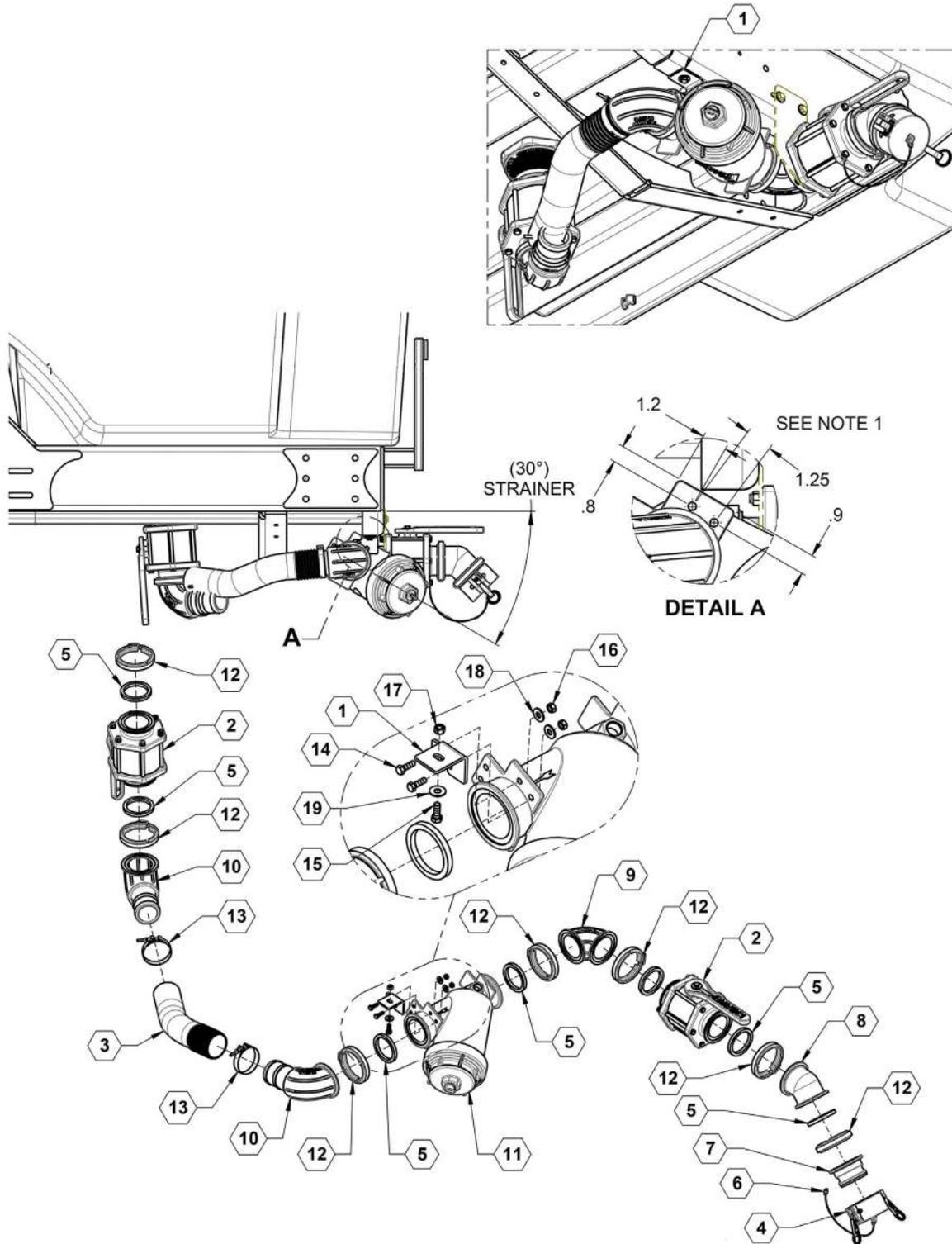
### 3" Quick Fill Valve Assembly Parts List

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

## 3" Quick Fill with Strainer

**NOTE:**

1. 2X DRILL  $\phi$ .375 HOLE IN STRAINER FLANGE FOR MOUNTING 530442 AT ASSEMBLY





## ILLUSTRATED PARTS LIST

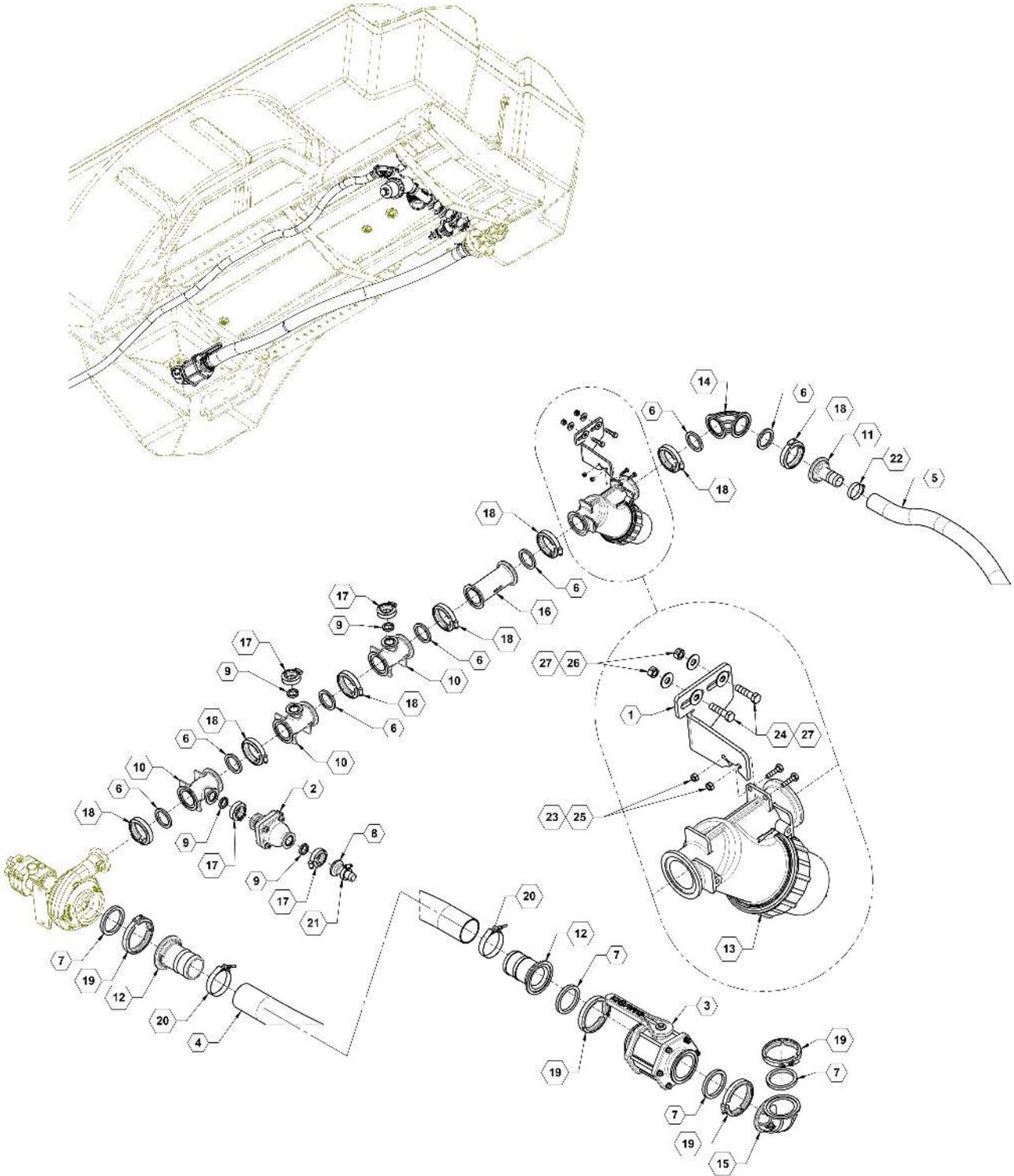
### 3" Quick Fill with Strainer Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                        |
|------|----------|------|------------------------------------|
| 1    | 26967    | 1    | PLATE, 3" STRAINER MOUNT           |
| 2    | 500042   | 2    | MANIFOLD VALVE, STANDARD PORT 3"   |
| 3    | 510004   | 1    | HOSE, 3" FERTILIZER X 18"          |
| 4    | 530023   | 1    | CAP, 3"                            |
| 5    | 530024   | 7    | GASKET, 3" EPDM                    |
| 6    | 530179   | 1    | CABLE LANYARD                      |
| 7    | 530233   | 1    | MANIFOLD ADAPTER, 3" X 3" QDC MALE |
| 8    | 530234   | 1    | COUPLER, 3" X 45°                  |
| 9    | 530439   | 1    | MANIFOLD SWEEP, FLANGE 3"          |
| 10   | 530441   | 2    | FLANGE SWEEP, 90 X 3" HOSE BARB    |
| 11   | 530442   | 1    | STRAINER, 3" Y STANDARD PORT -12   |
| 12   | 540003   | 7    | CLAMP, WORM SCREW 3"               |
| 13   | 540027   | 2    | CLAMP, 3" T BOLT                   |
| 14   | 596115M  | 2    | BOLT, HH 5/16-18X1 GR5 MAGNI       |
| 15   | 596128M  | 1    | BOLT, HH 3/8-16 X 1 GR5 MAGNI      |
| 16   | 596212M  | 2    | NUT, 5/16-18                       |
| 17   | 596237M  | 1    | NUT, CENTERLOCK 3/8 MAGNI          |
| 18   | 596257M  | 2    | WASHER, FLAT 5/16 USS MAGNI        |
| 19   | 596258M  | 1    | WASHER, FLAT 3/8 MAGNI             |



# ILLUSTRATED PARTS LIST

## Standard Product Plumbing Assembly



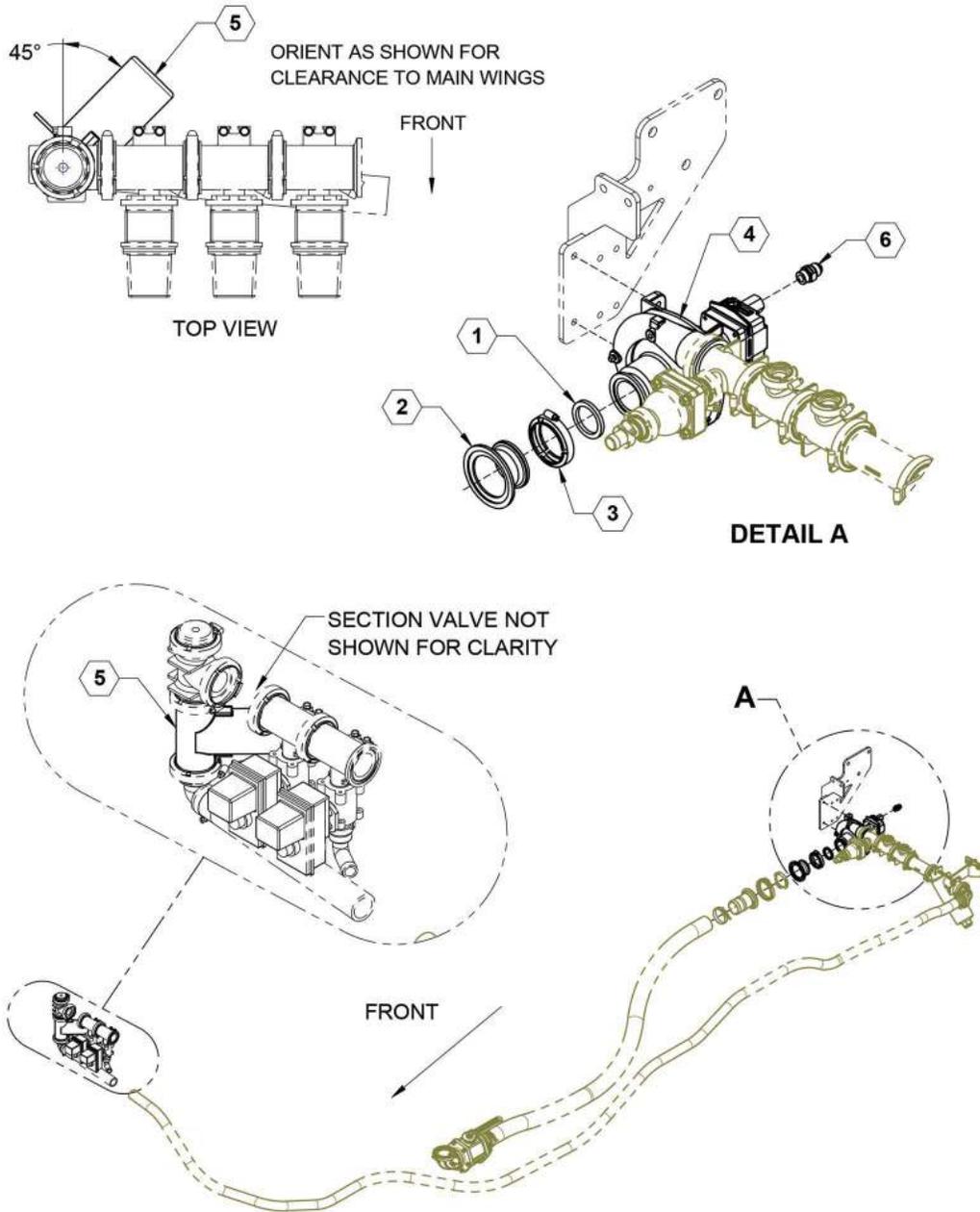


## ILLUSTRATED PARTS LIST

### Standard Product Plumbing Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                        |
|------|----------|------|------------------------------------|
| 1    | 27215    | 1    | PLATE, STANDARD STRAINER MOUNT     |
| 2    | 500004   | 1    | VALVE, 100 PSI RELIEF              |
| 3    | 500042   | 1    | MANIFOLD VALVE, STANDARD PORT 3"   |
| 4    | 510004   | 1    | HOSE 3" FERTILIZER - 8FT           |
| 5    | 510014   | 1    | HOSE, 1-1/2" EPDM - 20FT           |
| 6    | 530019   | 7    | GASKET, 2" EPDM                    |
| 7    | 530024   | 4    | GASKET, 3" EPDM                    |
| 8    | 530066   | 1    | MANIFOLD FITTING, 1" X 1" HB       |
| 9    | 530068   | 4    | GASKET, 1" EPDM                    |
| 10   | 530099   | 3    | MANIFOLD, 2" FP X 1" FLANGE TEE    |
| 11   | 530100   | 1    | MANIFOLD FLANGE, 2" FP X 1-1/2" HB |
| 12   | 530113   | 2    | MANIFOLD FLANGE, 3" HB             |
| 13   | 530125   | 1    | STRAINER, 2" FULL PORT LINE        |
| 14   | 530386   | 1    | MANIFOLD SWEEP, 2" FP FLANGE       |
| 15   | 530439   | 1    | MANIFOLD SWEEP, FLANGE 3"          |
| 16   | 530454   | 1    | 2" X 2" LONG PORT MANIFOLD         |
| 17   | 540000   | 4    | CLAMP, WORM SCREW 1"               |
| 18   | 540002   | 7    | CLAMP, WORM SCREW 2"               |
| 19   | 540003   | 4    | CLAMP, WORM SCREW 3"               |
| 20   | 540027   | 2    | CLAMP, 3" T BOLT                   |
| 21   | 540014   | 1    | CLAMP, HOSE SS 1" #16              |
| 22   | 540016   | 1    | CLAMP, 1-1/2" SS                   |
| 23   | 596102M  | 2    | BOLT, HH 1/4-20 X 1 GR5 MAGNI      |
| 24   | 596129M  | 2    | BOLT, HH 3/8-16X1-1/2 GR5 MAGNI    |
| 25   | 596235M  | 2    | NUT, CENTERLOCK, 1/4-20 MAGNI      |
| 26   | 596237M  | 2    | NUT, CENTERLOCK 3/8 MAGNI          |
| 27   | 596258M  | 4    | WASHER, FLAT 3/8 MAGNI             |

## Pump Assembly, HYPRO 9306C-HM1C (Cast)





## ILLUSTRATED PARTS LIST

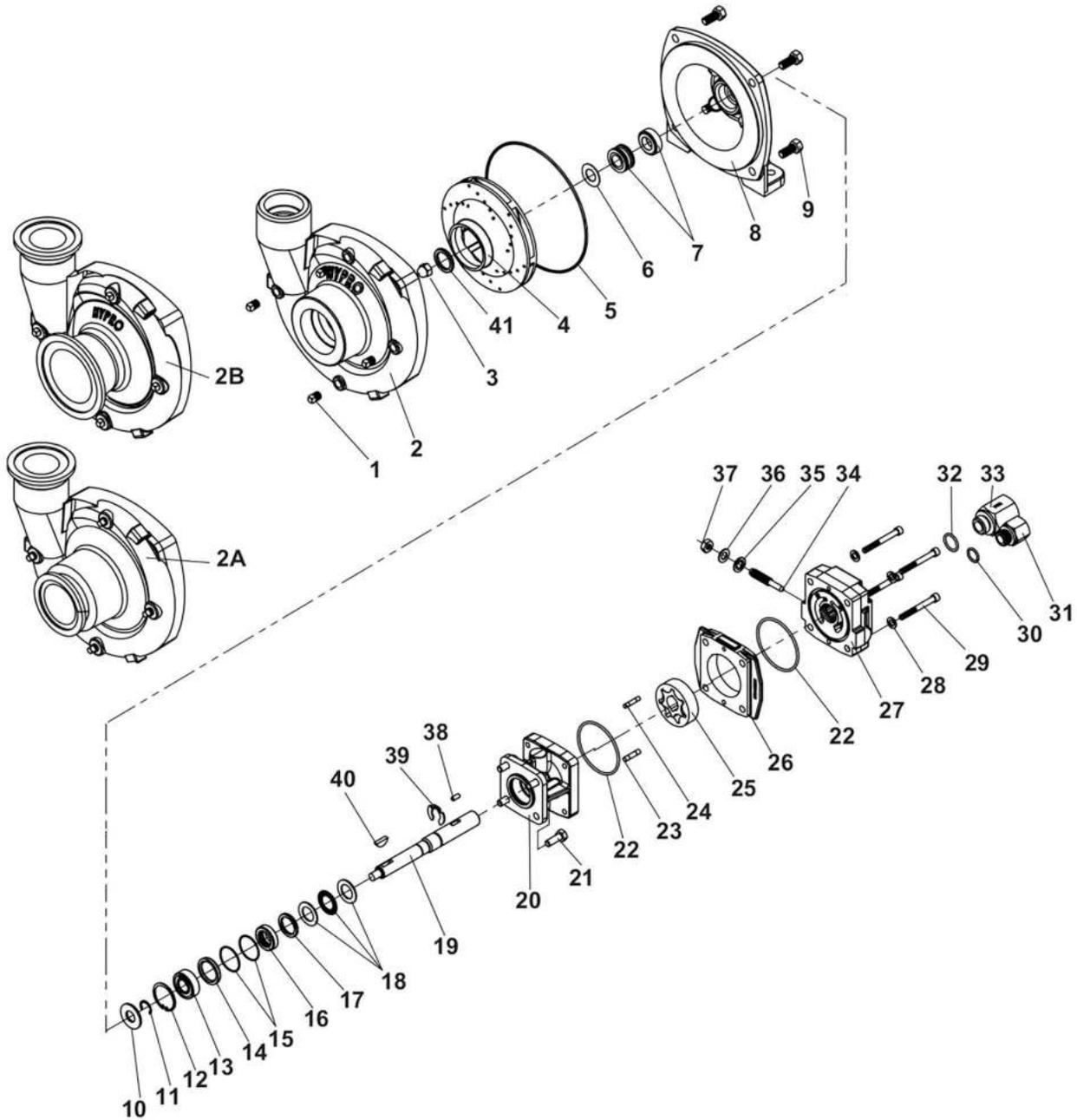
### Pump Assembly, HYPRO 9306C-HM1C (Cast) Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                                 |
|------|----------|------|---|
| 1    | 530019   | 1    | GASKET, 2" EPDM                             |
| 2    | 530316   | 1    | MANIFOLD REDUCER 3" X 2" COUPLER            |
| 3    | 540002   | 1    | CLAMP, WORM SCREW 2"                        |
| 4    | 550011   | 1    | PUMP, HYPRO - SEE PARTS & EQUIPMENT CATALOG |
| 5    | 632079   | 1    | VALVE, BUTTERFLY, 1.5"                      |
| 6    | 610106   | 1    | JIC #10 MALE TO #10 MALE O-RING ST          |



# ILLUSTRATED PARTS LIST

## HYPRO Pump 9306C-HM1C (Cast)





# ILLUSTRATED PARTS LIST

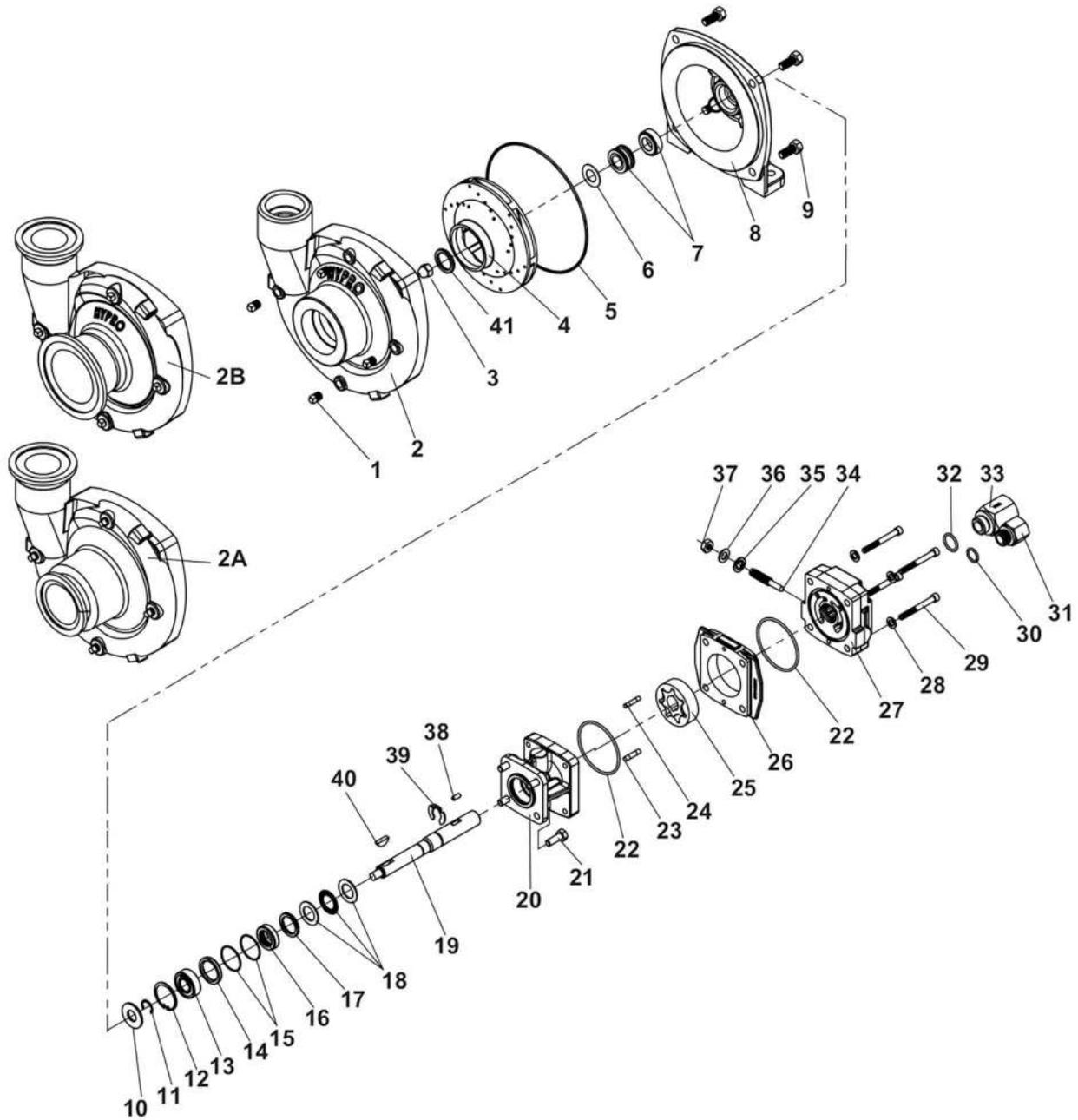
## HYPRO Pump 9306C-HM1C (Cast) Parts List

| ITEM | PART NO.    | QTY. | DESCRIPTION   |
|------|-------------|------|---|
| 1    | 2406-0007   | 4    | Drain/Vent Plug (9306C)   |
| 1    | 2406-0016   | 4    | Drain/Vent Plug (9306S)   |
| 2    | 0154-9200C1 | 1    | Pump Casing (9306C)   |
| 2    | 0154-9200S1 | 1    | Pump Casing (9306S)   |
| 2A   | 0157-9200C  | 1    | Pump Casing (Universal Flange 220x200)  |
| 2B   | 0158-9200C  | 1    | Pump Casing (Universal Flange 300x220 Cast)   |
| 2B   | 0158-9200S  | 1    | Pump Casing (Universal Flange 300x220 S.S.)   |
| 3    | 2253-0002   | 1    | Impeller Nut (9306C)  |
| 3    | 2253-0006   | 1    | Impeller Nut (9306S (sold in Parts Kit 3430-0825)   |
| 4    | 0401-9200P2 | 1    | Impeller (Nylon Standard 9306C)   |
| 4    | 0405-9200P2 | 1    | Impeller (Polypropylene Optional) (Standard 9306S)  |
| 4    | 0407-9306P  | 1    | Impeller (GTX Optional)   |
| 5    | 1720-0083   | 1    | O-ring  |
| 6    | 1700-0100   | 1    | Gasket  |
| 7    | 3430-0589   | 1    | Mechanical Seal (Silicon Carbide) (Standard 9306S)  |
|      |             |      | Contains one each: mechanical seal (Reference 7) and o-ring (Reference 5).  |
| 8    | 0750-9300C2 | 1    | Mounting Flange (9306C)   |
| 8    | 0756-9300S  | 1    | Mounting Flange (9306S)   |
| 9    | 2210-0020   | 4    | Hex Head Cap Screw (9306C)  |
| 9    | 2210-0125   | 4    | Hex Head Cap Screw (9306S)  |
| 10   | 1410-0056   | 1    | Slinger Ring  |
| 11   | 1810-0014   | 1    | Snap Ring   |
| 12   | 1820-0013   | 1    | Retaining Ring  |
| 13   | 2000-0010   | 1    | Ball Bearing  |
| 14   | 1410-0131   | 1    | Cartridge, Front  |
| 15   | 1720-0268   | 2    | O-ring  |
| 16   | 2104-0010   | 1    | Lip Seal (only sold in Parts Kit No. 3430-0748)   |
| 17   | 1410-0130   | 1    | Seal Spacer   |
| 18   | 2029-0014   | 1    | Thrust Bearing Assembly   |
| 19   | 0533-2500   | 1    | Shaft (HM1C/HM5C)   |
| 19   | 0536-2500   | 1    | Shaft (HM3C)  |
| 20   | 0150-2500C  | 1    | Motor Body (includes needle bearing)  |
|      |             |      | <b>NOTE:</b> 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.   |
|      |             |      | <b>Repair Parts Kit No. 3430-0332</b> Contains: One mechanical seal (Reference 7), one o-ring (Reference 5) and one rubber gasket (Reference 6).  |
|      |             |      | <b>Parts Kit No. 3430-0748</b> Contains: One each ball bearing (Reference 13), motor shaft seal (Reference 16), thread seal gasket (Reference 35), two cartridge o-rings (Reference 15) and washer (Reference 36); two each motor housing o-rings (Reference 22), and port adapter o-rings (Reference 30 & 32). |
|      |             |      | <b>Hydraulic Motor Part Numbers.</b> 2500-0081C (HM1C Models) 2500-0083C (HM3C Models) 2500-0085C (HM5C Models)   |



# ILLUSTRATED PARTS LIST

## HYPRO Pump 9306C-HM1C (Cast)





# ILLUSTRATED PARTS LIST

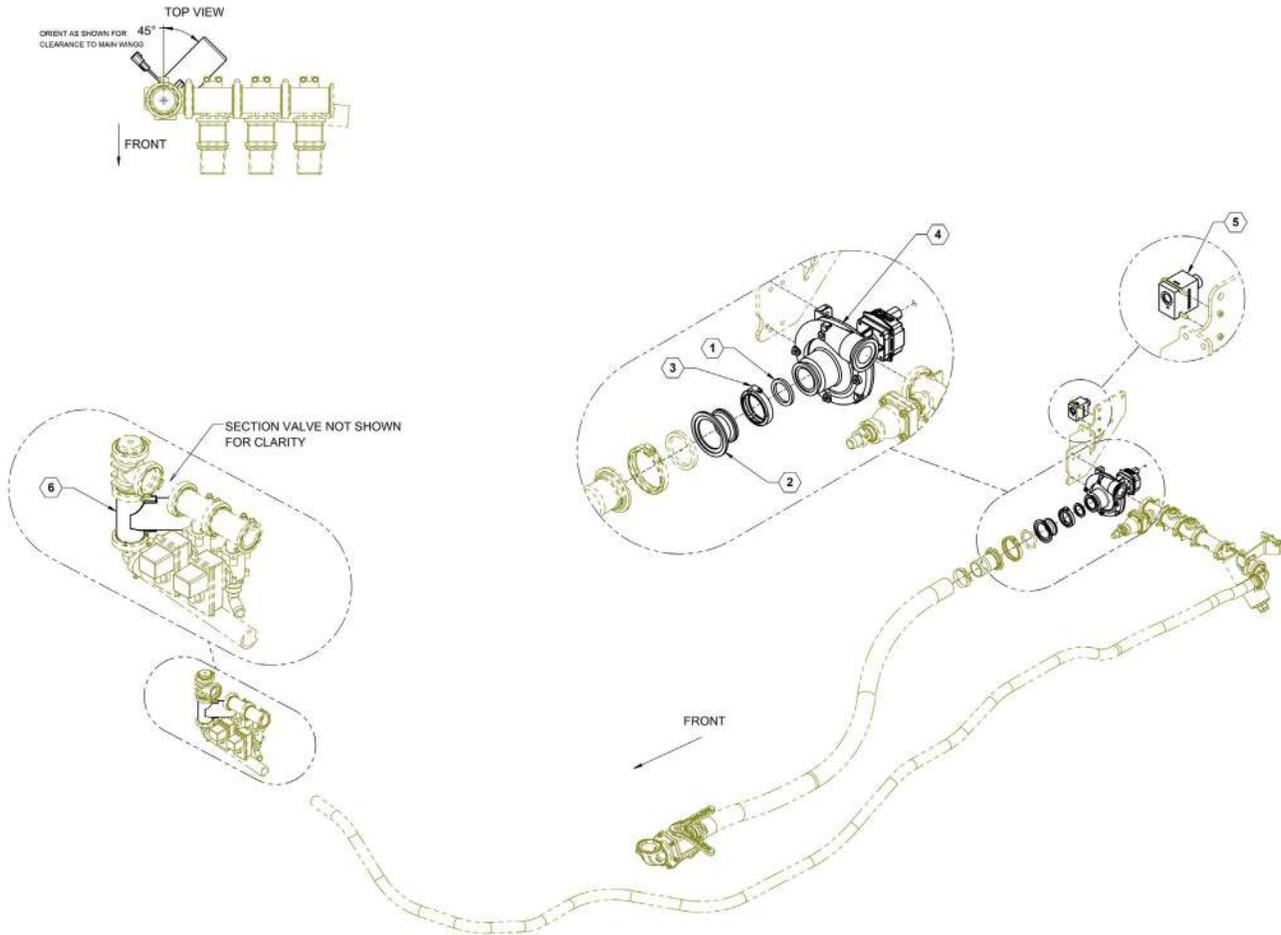
## HYPRO Pump 9306C-HM1C (Cast) Parts List

| ITEM | PART NO.    | QTY. | DESCRIPTION   |
|------|-------------|------|---|
| 21   | 2210-0005   | 4    | Hex Head Cap Screw  |
| 22   | 1720-0110   | 2    | O-ring  |
| 23   | 1600-0044   | 1    | Dowel Pin (HM1C/HM5C)   |
| 23   | 1600-0052   | 1    | Dowel Pin (HM3C)  |
| 24   | 1600-0037   | 1    | Dowel Pin (HM1C/HM5C)   |
| 24   | 1600-0068   | 1    | Dowel Pin (HM3C)  |
| 25   | 3900-0022   | 1    | Gerotor (HM1C)  |
| 25   | 3900-0024   | 1    | Gerotor (HM3C)  |
| 25   | 3900-0048   | 1    | Gerotor (HM5C)  |
| 26   | 0700-2500C1 | 1    | Gerotor Housing (HM1C Models) 1/2" wide   |
| 26   | 0702-2500C1 | 1    | Gerotor Housing (HM3C Models) 1" wide   |
| 26   | 0704-2500C1 | 1    | Gerotor Housing (HM5C Models) 5/8" wide   |
| 27   | 0254-2500C2 | 1    | Motor End Plate (includes needle bearing)   |
| 28   | 2270-0039   | 4    | Washer  |
| 29   | 2220-0021   | 4    | Cap Screw (HM1C Models)   |
| 29   | 2220-0044   | 4    | Cap Screw (HM3C Models)   |
| 29   | 2220-0032   | 4    | Cap Screw (HM5C Models)   |
| 30   | 1720-0108   | 1    | O-ring  |
| 31   | 3360-0021A  | 1    | Pressure Port Adapter (includes o-ring)   |
| 32   | 1720-0262   | 1    | O-ring  |
| 33   | 3320-0051A  | 1    | Tank Port Adapter (includes o-ring)   |
| 34   | 3220-0029   | 1    | Bypass Adjusting Screw  |
| 35   | 1700-0047   | 1    | Gasket  |
| 36   | 2270-0027   | 1    | Washer  |
| 37   | 2250-0038   | 1    | Lock Nut (2013 and Older)   |
| 38   | 1610-0031   | 1    | Roll Pin HM1C / HM5C)   |
| 38   | 1610-0055   | 1    | Roll Pin (HM3C)   |
| 39   | 1810-0026   | 1    | Snap Ring   |
| 40   | 1610-0012   | 1    | Woodruff Key (9306C)  |
| 40   | 4432        | 1    | Woodruff Key (9306S)  |
| 41   | 2270-0071   | 1    | Washer (9306C)  |
|      |             |      |   |
|      |             |      | <b>NOTE:</b> 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.   |
|      |             |      | <b>Repair Parts Kit No. 3430-0332</b> Contains: One mechanical seal (Reference 7), one o-ring (Reference 5) and one rubber gasket (Reference 6).  |
|      |             |      | <b>Parts Kit No. 3430-0748</b> Contains: One each ball bearing (Reference 13), motor shaft seal (Reference 16), thread seal gasket (Reference 35), two cartridge o-rings (Reference 15) and washer (Reference 36); two each motor housing o-rings (Reference 22), and port adapter o-rings (Reference 30 & 32). |
|      |             |      | <b>Hydraulic Motor Part Numbers.</b> 2500-0081C (HM1C Models) 2500-0083C (HM3C Models) 2500-0085C (HM5C Models)   |



# ILLUSTRATED PARTS LIST

## Pump Assembly, HYPRO 9306C-HM1S (Stainless Steel)





## ILLUSTRATED PARTS LIST

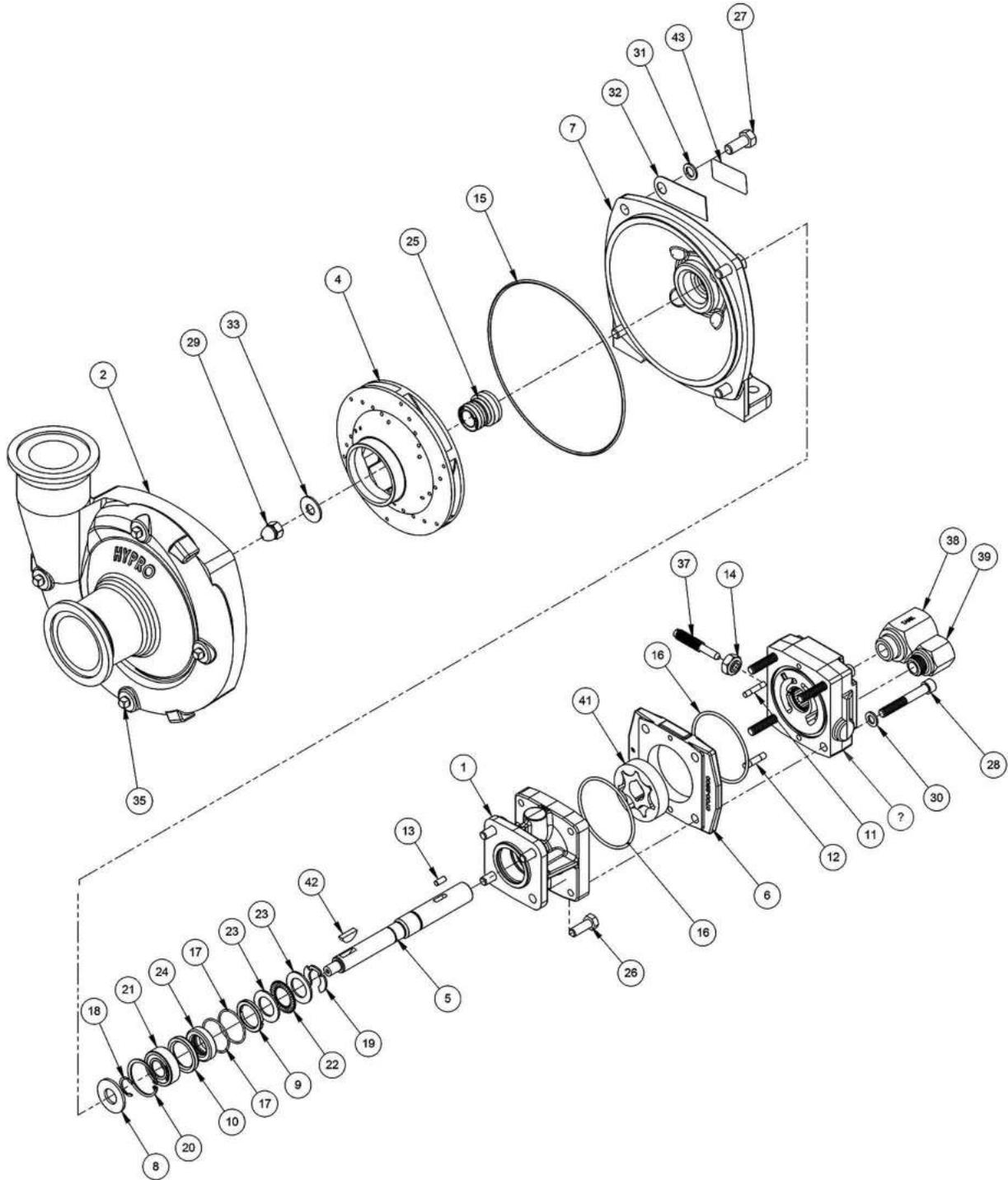
### Pump Assembly, HYPRO 9306C-HM1S (Stainless Steel) Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 1    | 530019   | 1    | GASKET, 2" EPDM                  |
| 2    | 530316   | 1    | MANIFOLD REDUCER 3" X 2" COUPLER |
| 3    | 540002   | 1    | CLAMP, WORM SCREW 2"             |
| 4    | 550027   | 1    | PUMP, HYPRO STAINLESS STEEL      |
| 5    | 610099   | 1    | VALVE, FLOW CONTROL, P.C.        |
| 6    | 632079   | 1    | VALVE, BUTTERFLY, 1.5"           |



# ILLUSTRATED PARTS LIST

## HYPRO Pump 9306C-HM1S (Stainless Steel)





## ILLUSTRATED PARTS LIST

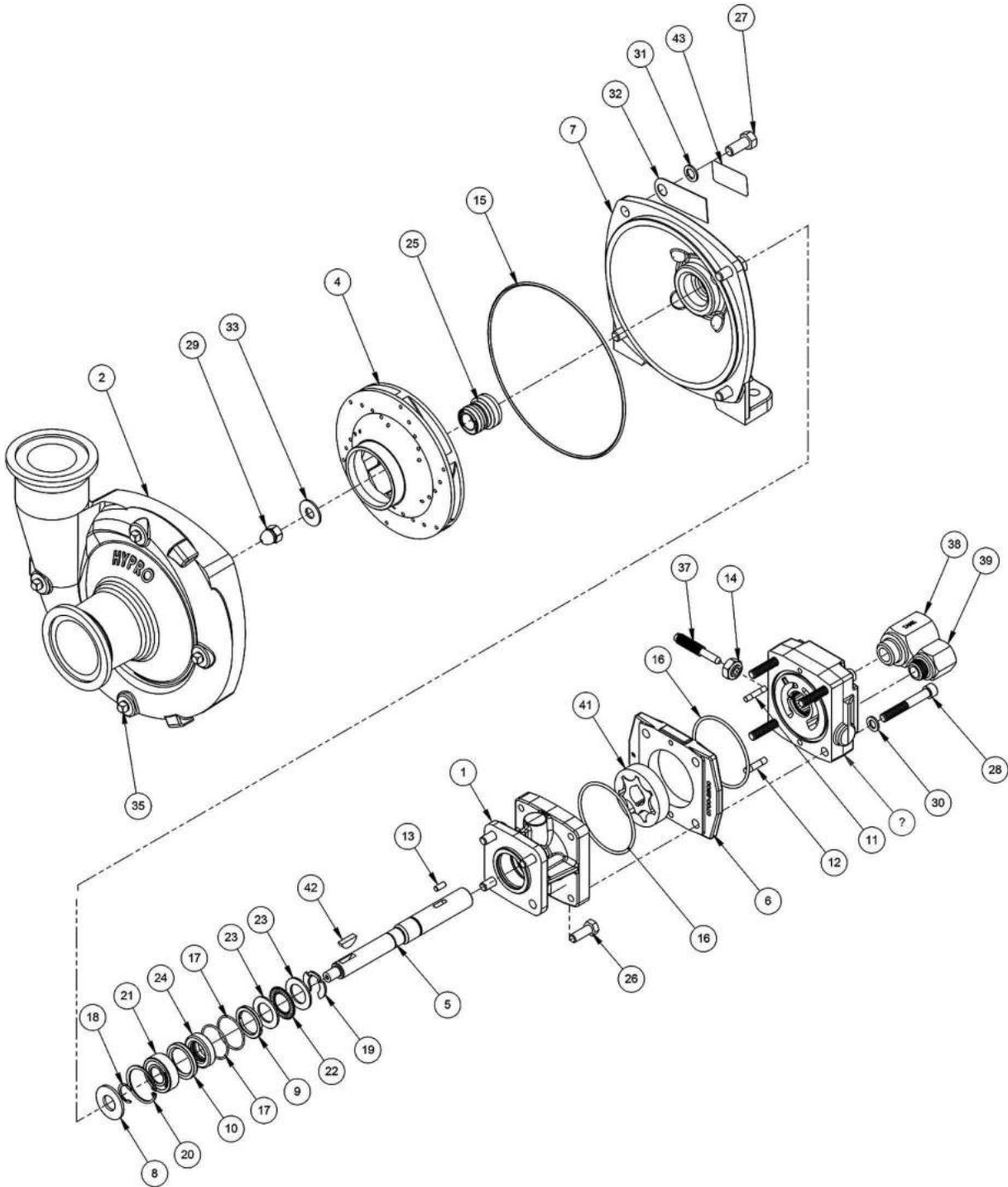
### HYPRO Pump 9306C-HM1S (Stainless Steel) Parts List

| ITEM | PART NO.    | QTY. | DESCRIPTION                  |
|------|-------------|------|------------------------------|
| 1    | 0150-2500C  | 1    | BODY ASSEMBLY                |
| 2    | 0157-9200S  | 1    | HOUSING MACHINED, PASSIVATED |
| 3    | 0254-2500C2 | 1    | END PLATE ASSEMBLY BYPASS    |
| 4    | 0407-9306P  | 1    | IMPELLER (CW ROTATION)       |
| 5    | 0533-2500   | 1    | SHAFT HYDRAULIC MOTOR        |
| 6    | 0700-2500C1 | 1    | GEROTOR HOUSING HM1, COATED  |
| 7    | 0756-9300S  | 1    | MOUNTING FLANGE PASSIVATED   |
| 8    | 1410-0056   | 1    | SLINGER GASKET, SHAFT        |
| 9    | 1410-0130   | 1    | SPACER, 3L SEAL              |
| 10   | 1410-0131   | 1    | CARTRIDGE FRONT HYD SEAL     |
| 11   | 1600-0037   | 1    | DOWEL PIN                    |
| 12   | 1600-0044   | 1    | DOWEL PIN                    |
| 13   | 1610-0031   | 1    | KEY                          |
| 14   | 1700-0245   | 1    | NUT, SEALING                 |
| 15   | 1720-0083   | 1    | O-RING                       |
| 16   | 1720-0110   | 2    | O-RING                       |
| 17   | 1720-0268   | 2    | O-RING                       |
| 18   | 1810-0014   | 1    | RETAINING RING               |
| 19   | 1810-0026   | 1    | RETAINER RING                |
| 20   | 1820-0013   | 1    | RETAINER RING                |
| 21   | 2000-0010   | 1    | BEARING, BALL                |
| 22   | 2029-0009   | 1    | BEARING, THRUST              |



# ILLUSTRATED PARTS LIST

## HYPRO Pump 9306C-HM1S (Stainless Steel)



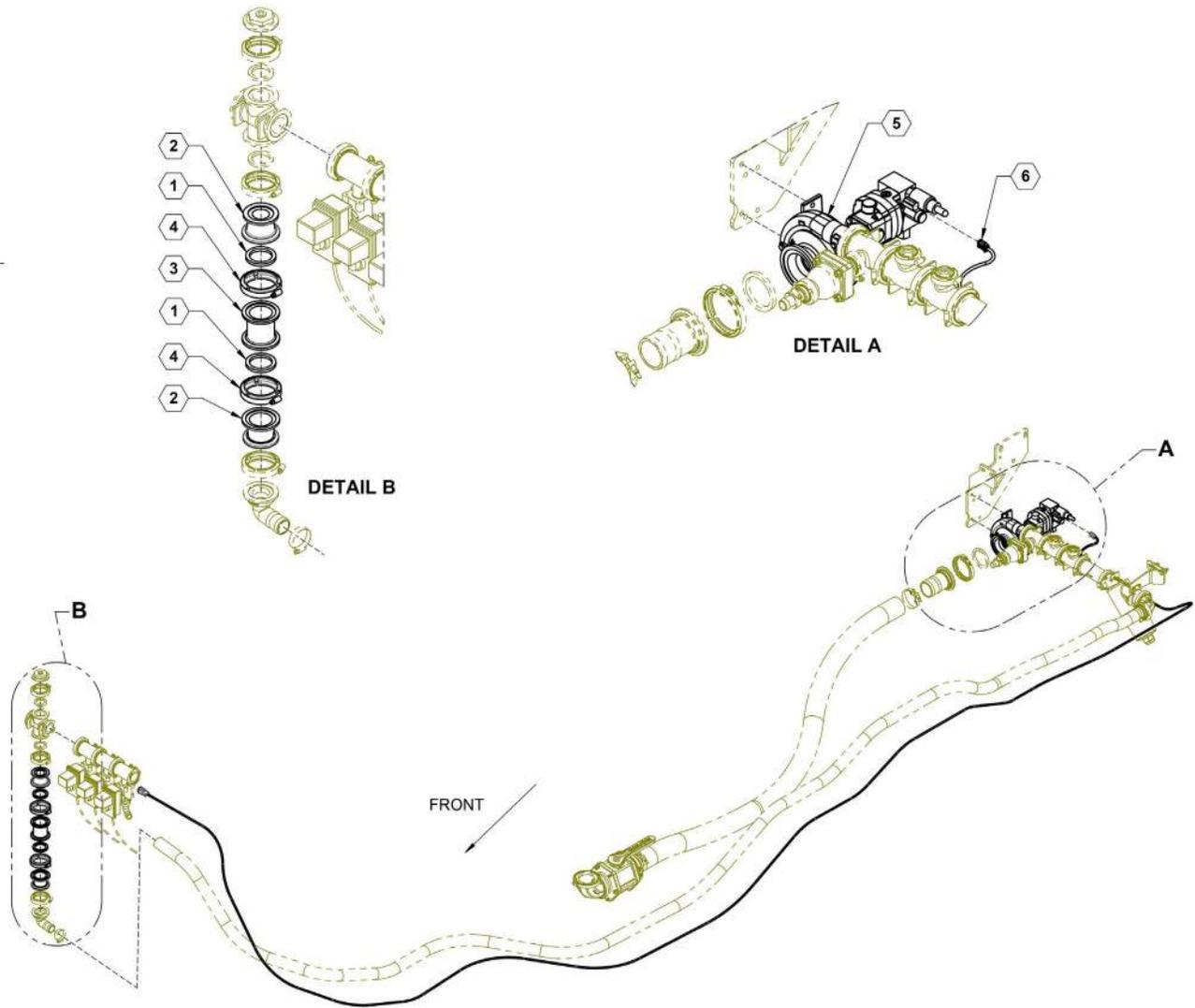


## ILLUSTRATED PARTS LIST

### HYPRO Pump 9306C-HM1S (Stainless Steel) Parts List

| ITEM | PART NO.   | QTY. | DESCRIPTION                      |
|------|------------|------|----------------------------------|
| 23   | 2029-0010  | 2    | BEARING RACE, THRU               |
| 24   | 2104-0010  | 1    | LIP SEAL                         |
| 25   | 2120-0039  | 1    | SEAL-MECHANICAL VITON 5/8"       |
| 26   | 2210-0005  | 4    | SCREW CAP HEX HEAD               |
| 27   | 2210-0125  | 4    | SCREW HEX HEAD CAP               |
| 28   | 2220-0021  | 4    | SCREW, SOCKET HEAD               |
| 29   | 2253-0006  | 1    | NUT CAP                          |
| 30   | 2270-0039  | 4    | WASHER, FLAT 5/16"               |
| 31   | 2270-0041  | 1    | WASHER                           |
| 32   | 2270-0076  | 1    | TAG                              |
| 33   | 2270-0140  | 1    | WASHER FLAT                      |
| 34   | 2300-0039  | 2    | PORT PLUG                        |
| 35   | 2406-0016  | 4    | PIPE PLUG SQUARE HEAD            |
| 36   | 3031-0134  | 1    | CARTON - INDIVIDUAL              |
| 37   | 3220-0029  | 1    | VALVE STEM                       |
| 38   | 3320-0052A | 1    | CHECK VALVE ASSEMBLY - TANK PORT |
| 39   | 3360-0023A | 1    | ADAPTER, INLET PORT              |
| 40   | 3435-0171  | 1    | PACKING KIT                      |
| 41   | 3900-0022  | 1    | GEROTOR                          |
| 42   | 04432-SHW  | 1    | WOODRUFF KEY                     |
| 43   | 6031-0325  | 1    | DECAL                            |
| 44   | 6031-0343  | 1    | INSTRUCTION TAG                  |
| 45   | 6031-0451  | 2    | LABEL, 2.625 X 4.0               |

## Pump Assembly, ACE FMCS205-HYD-304 PWM





## ILLUSTRATED PARTS LIST

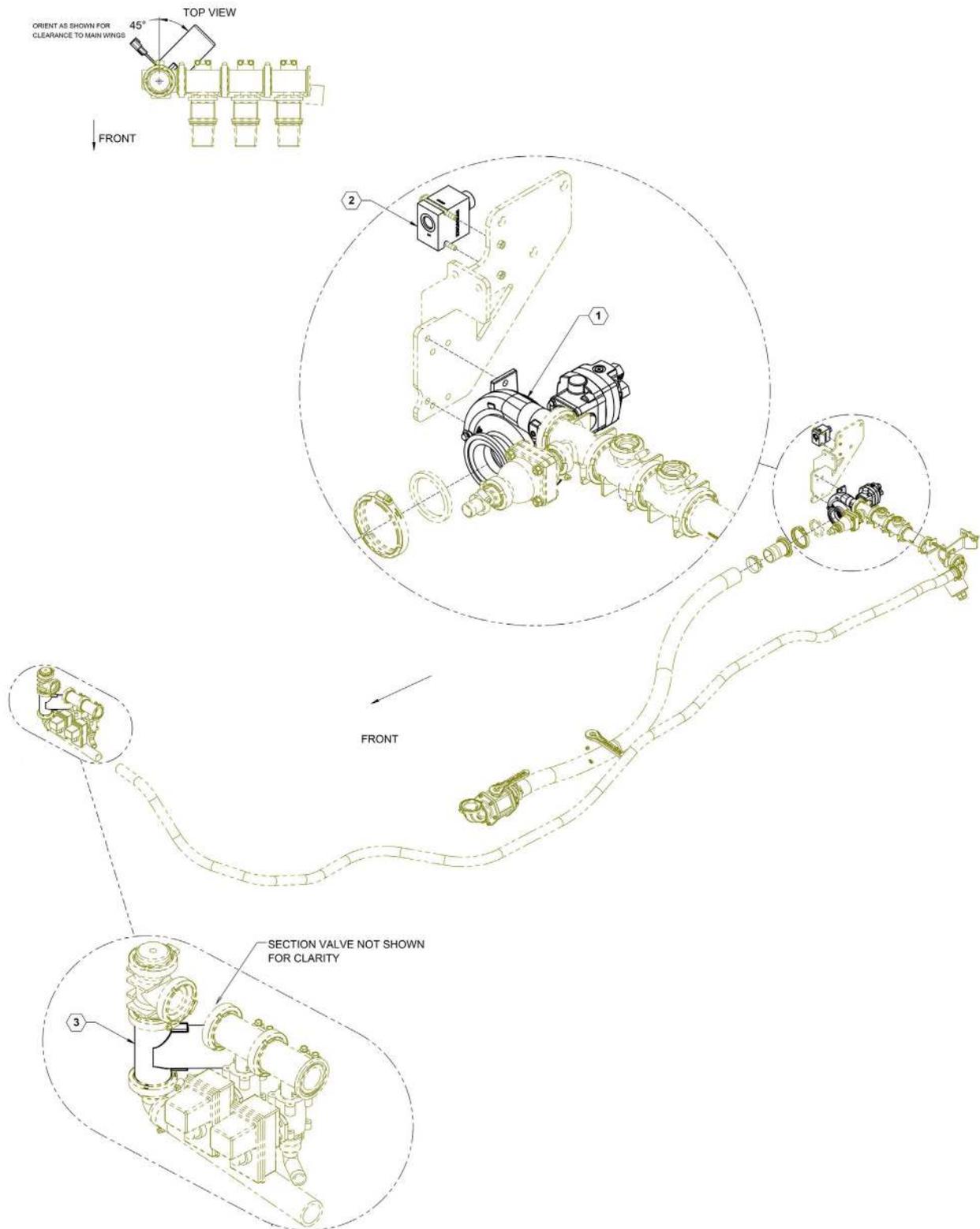
### Pump Assembly, ACE FMCS205-HYD-304 PWM Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                  |
|------|----------|------|------------------------------|
| 1    | 530019   | 2    | GASKET, 2.00 EPDM            |
| 2    | 530102   | 2    | FLANGE, 2" FP X 2" REDUCER   |
| 3    | 530244   | 1    | FLANGE, 2" X 2" FULL PORT    |
| 4    | 540002   | 2    | CLAMP, FP WORM SCREW, 2.00   |
| 5    | 550035   | 1    | PUMP, ACE 205F W/304 PWM     |
| 6    | 632042   | 1    | 2 PIN DT 40' CABLE EXTENSION |



# ILLUSTRATED PARTS LIST

## Pump Assembly, ACE FMCS205-HYD-304



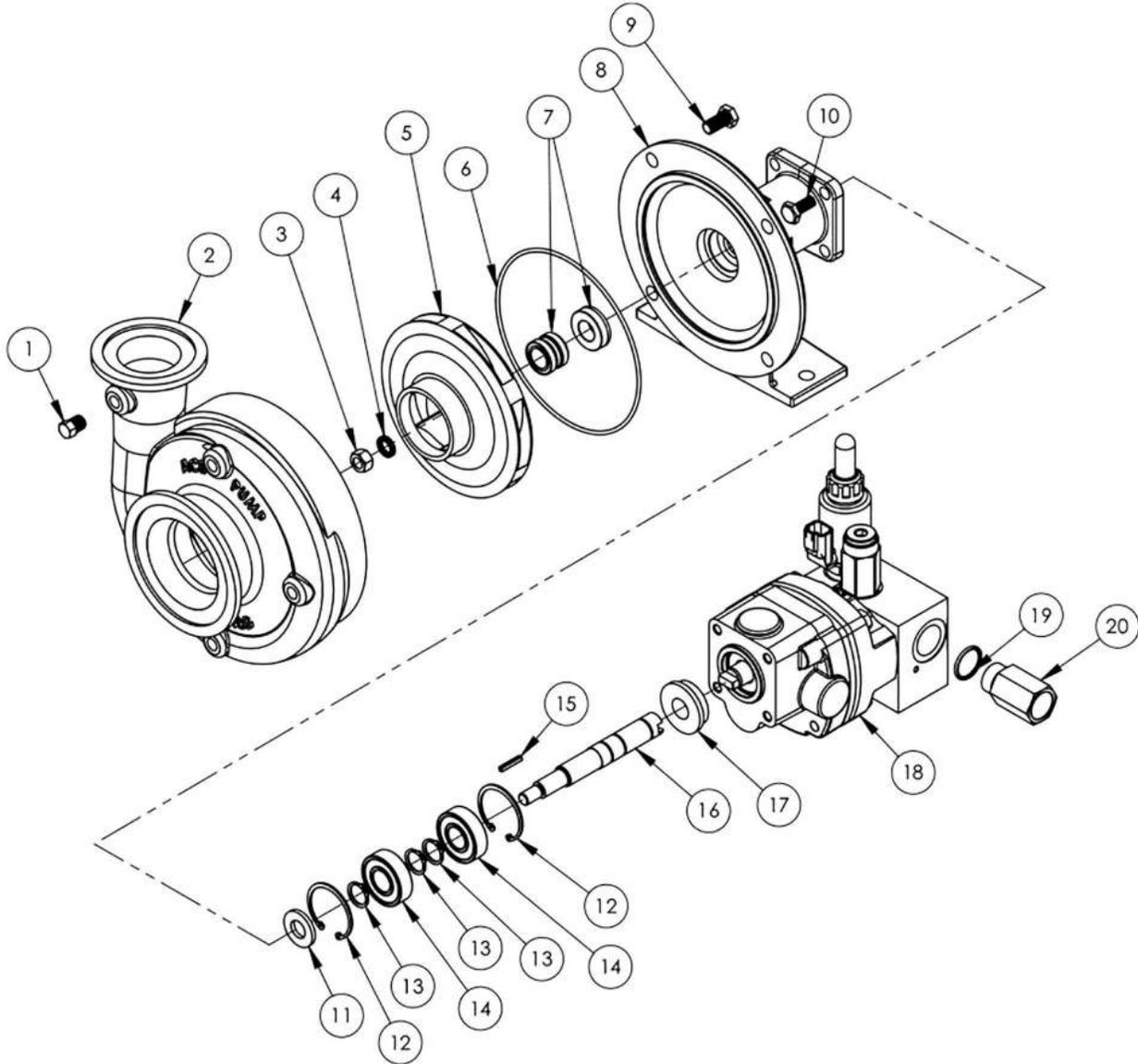


## ILLUSTRATED PARTS LIST

### Pump Assembly, ACE FMCS205-HYD-304 Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION   |
|------|----------|------|---|
| 1    | 550025   | 1    | PUMP, ACE 205F 304 ASSEMBLY - SEE PARTS & EQUIPMENT CATALOG |
| 2    | 610099   | 1    | VALVE, FLOW CONTROL, P.C.                                   |
| 3    | 632079   | 1    | BUTTERFLY VALVE, 1.5"                                       |

## ACE Pump, ACE FMCS205-HYD-304





# ILLUSTRATED PARTS LIST

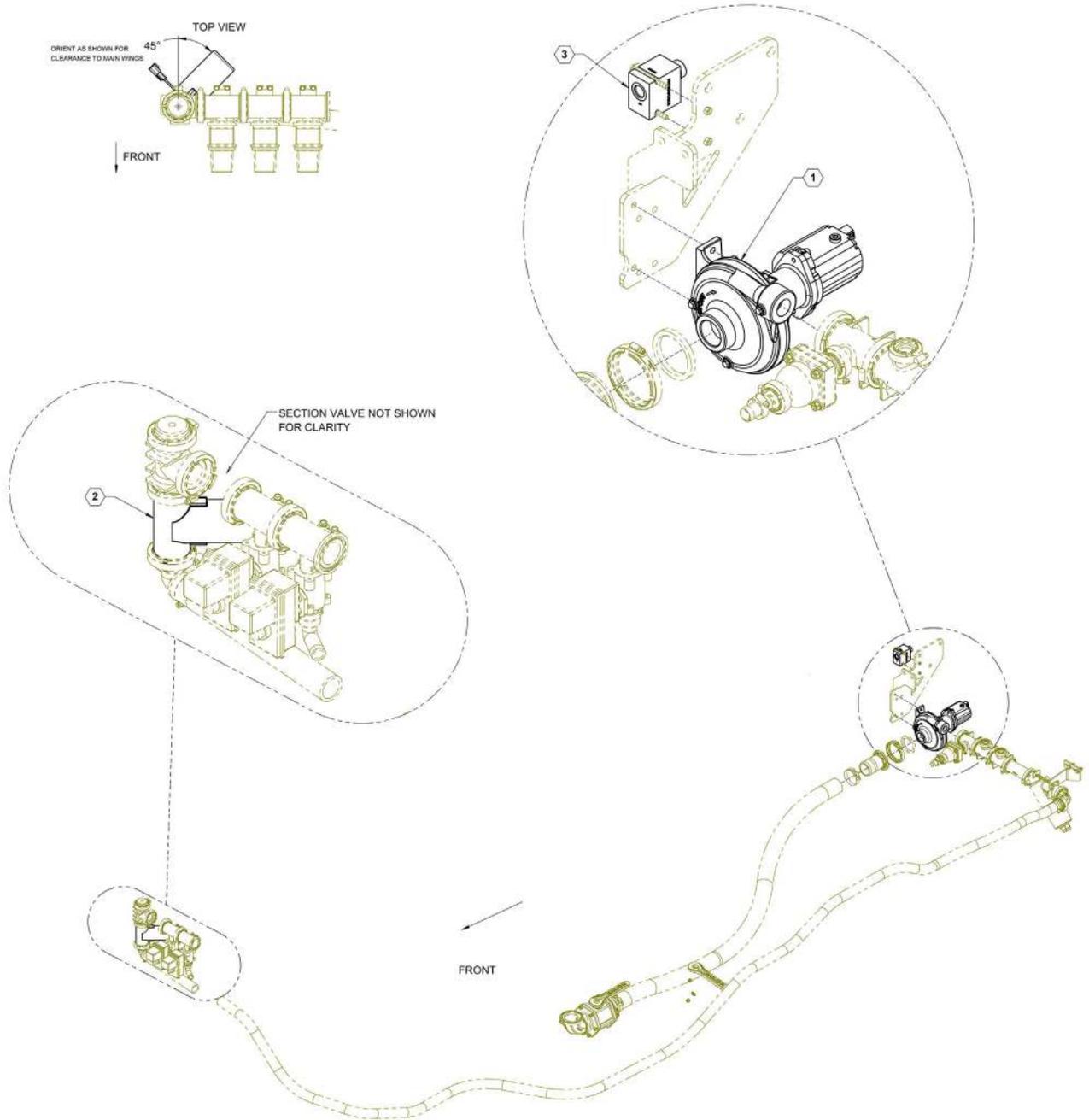
## ACE Pump, ACE FMCS205-HYD-304 Parts List

| ITEM | PART NO.         | QTY. | EDP # | DESCRIPTION  |
|------|------------------|------|-------|--|
| 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-S | 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-P | 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-30 | -    | 41362 | Repair kit for 300 Series hydraulic motor                        |



# ILLUSTRATED PARTS LIST

## Pump Assembly, ACE FMC-650-HYD





## ILLUSTRATED PARTS LIST

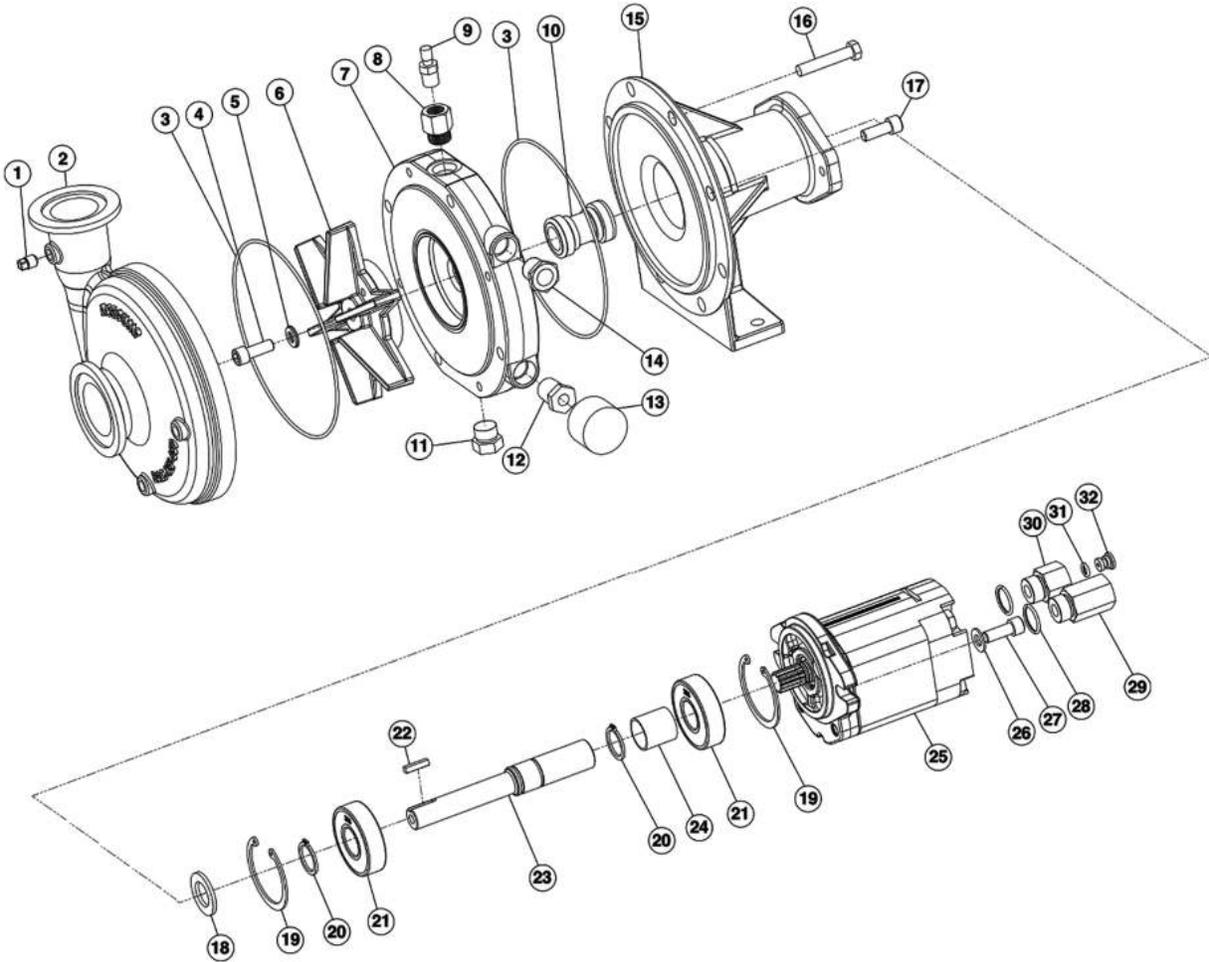
### Pump Assembly, ACE FMC-650-HYD Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                              |
|------|----------|------|--|
| 1    | 550036   | 1    | ACE PUMP, HYDRAULIC, 220X200 FLANGED 650 |
| 2    | 632079   | 1    | VALVE, BUTTERFLY, 1.5"                   |
| 3    | 610099   | 1    | VALVE, FLOW CONTROL, P.C.                |



# ILLUSTRATED PARTS LIST

## ACE Pump, FMC-650-HYD



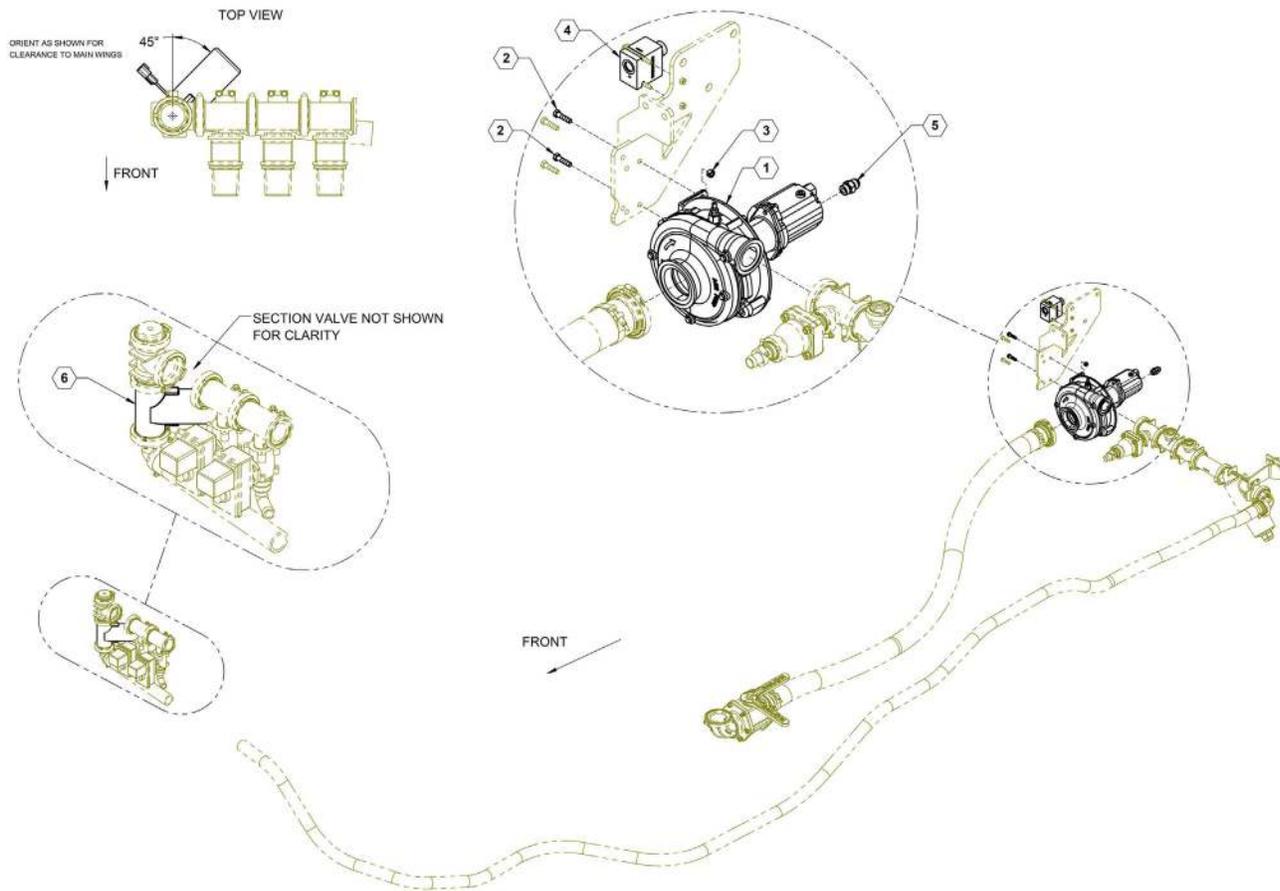


# ILLUSTRATED PARTS LIST

## ACE Pump, FMC-650-HYD Parts List

| ITEM  | PART NO.            | EDP # | QTY. | DESCRIPTION  |
|-------|---------------------|-------|------|--|
| 1     | BAC-53              | 41110 | 3    | Pipe plug, 1/8" NPT, square head   |
| 2     | BAC-12-650-FLG      | 30159 | 1    | Volute, NPT & 220 flange x NPT & 200 flange  |
| 3 j   | BAC-4-150           | 40015 | 2    | O-ring, volute seal  |
| 4     | 40930               | 40930 | 1    | Cap screw, 3/8" NC x 3/4" hex head, stainless steel                                |
| 5 j   | 30029               | 30029 | 1    | Washer, 3/8" O.D., sealing, stainless steel  |
| 6     | BAC-26-650-WS       | 30192 | 1    | Impeller, cast iron, wetseal, e-coated   |
| 7     | BAC-16-650          | 45262 | 1    | Seal plate, cast iron, e-coated  |
| 8     | 41107               | 41107 | 1    | Plug, #8 SAE x 1/4" FNPT, hex, with o-ring   |
| 9     | 41316               | 41316 | 1    | Air valve, 1/4" NPT  |
| 10 j  | BAC-7-650-WS        | 40143 | 1    | Dual seal assembly, Type 21, .750 shaft  |
| 11    | 41108               | 41108 | 1    | Plug, #8 SAE, hex head, with o-ring  |
| 12    | 44038               | 44038 | 1    | Bushing, 1/2" MNPT x 1/8" FNPT   |
| 13    | 50150               | 50150 | 1    | Pressure gauge, 0-60 PSI, 1/8" NPT   |
| 14    | 55850               | 55850 | 1    | Site gauge, brass, 1/2" NPT  |
| 15    | BAC-14-650-HYD      | 40325 | 1    | Mounting frame, cast iron, e-coated  |
| 16    | 40970               | 40970 | 4    | Cap screw, 3/8" NC x 2" hex head (volute)  |
| 17    | 41907               | 41907 | 4    | Cap screw, 3/8" NC x 1", socket head (seal plate)                                  |
| 18    | BAC-54-650          | 41132 | 1    | Slinger, 1.5" OD x 7/8" ID   |
| 19    | 41943               | 41943 | 2    | Snap ring, internal, mounting frame  |
| 20    | ACAL-32             | 30174 | 2    | Snap ring, external, shaft   |
| 21    | 40875               | 40875 | 2    | Ball bearing, sealed   |
| 22    | 41085               | 41085 | 1    | Key, .188 x .188 x .875  |
| 23    | BAC-6-650-HYD-SS-WS | 40049 | 1    | Shaft, 11T female spline, stainless steel  |
| 24    | BAC-32-650-WS       | 40802 | 1    | Spacer, shaft  |
| 25    | BAC-75-HYD-M16      | 41359 | 1    | Hydraulic motor, pressure plated gear, 14.5 GPM                                    |
| 26    | 42701               | 42701 | 2    | Washer, 3/8"   |
| 27    | 41907               | 41907 | 2    | Cap screw, 3/8" NC x 1", socket head   |
| 28    | 41445               | 41445 | 2    | O-ring, #10 SAE fitting  |
| 29    | 41442               | 41442 | 1    | Reverse check, #10 SAE male x 1/2" FNPT  |
| 30    | 41446               | 41446 | 1    | Body, adapter/restrictor, #10 SAE male x 1/2" FNPT                                 |
| 31    | 41448               | 41448 | 1    | O-ring, restrictor insert  |
| 32    | 41447               | 41447 | 1    | Restrictor orifice insert, .125  |
| *33 j | 55032               | 55032 | 0.45 | Barrier fluid, quart   |
|       |                     |       |      | j - RK-FMCWS-650 52722 Repair kit, includes items 3 (2 each), 5, 10, and 33 (1 qt) |
|       |                     |       |      | * - not shown in parts diagram   |

## Pump Assembly, ACE FMC-750-HYD





## ILLUSTRATED PARTS LIST

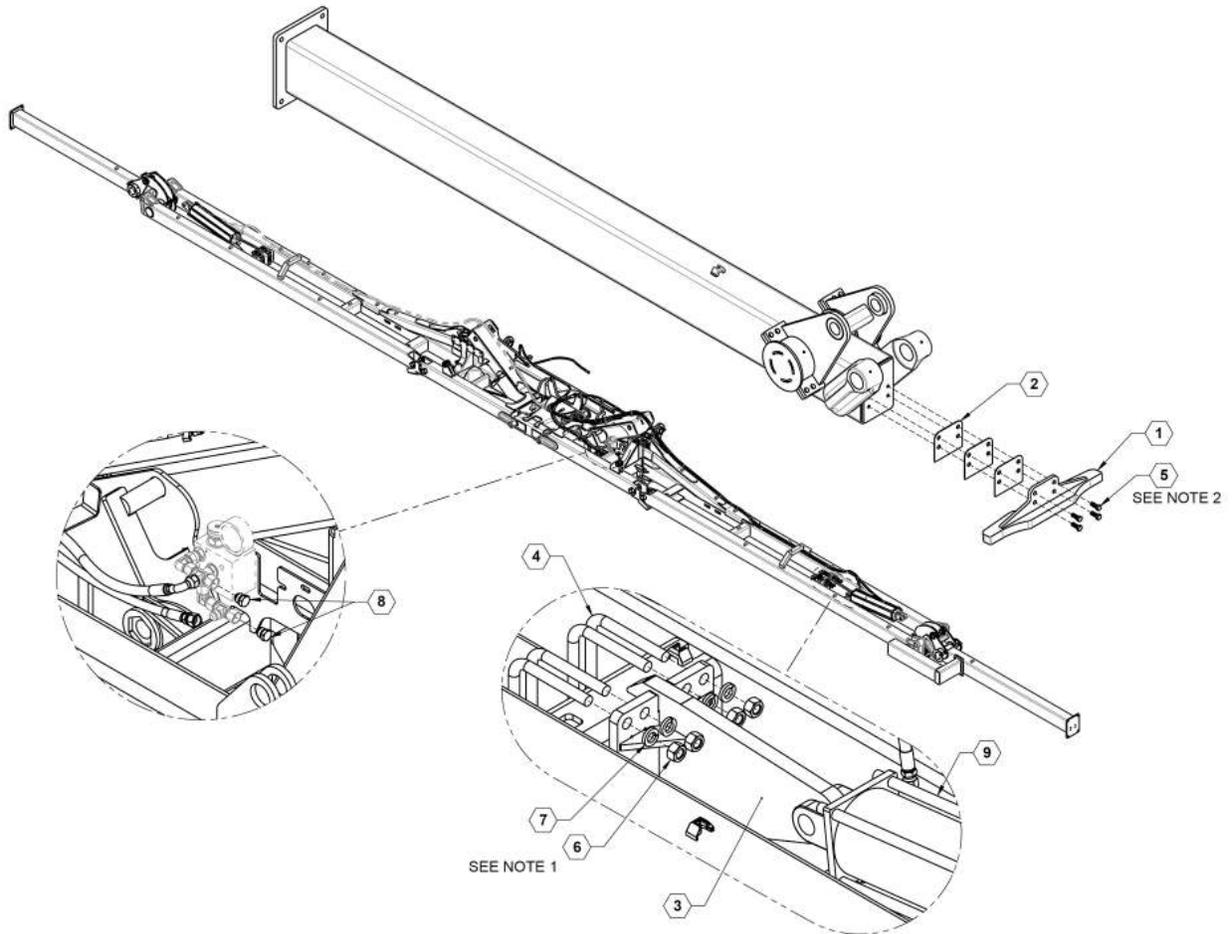
### Pump Assembly, ACE FMC-750-HYD Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                        |
|------|----------|------|------------------------------------|
| 1    | 550041   | 1    | PUMP ACE 750 FMC750F HYDRAULIC     |
|      |          |      | SEE PARTS & EQUIPMENT CATALOG      |
| 2    | 596129M  | 2    | BOLT, HH 3/8-16X1-1/2 GR5 MAGNI    |
| 3    | 596237M  | 2    | NUT, CENTERLOCK 3/8-16 MAGNI       |
| 4    | 610099   | 1    | VALVE, FLOW CONTROL, P.C.          |
| 5    | 610106   | 1    | JIC #10 MALE TO #10 MALE O-RING ST |
| 6    | 632079   | 1    | VALVE, BUTTERFLY, 1.5"             |

## No Flip Wing Down Pressure

NOTE:

1. TORQUE CYLINDER MOUNT HARDWARE TO 110 FT-LBS +/- 10 FT-LBS
2. TORQUE TO 23 FT-LBS +/- 3 FT-LBS





## ILLUSTRATED PARTS LIST

### No Flip Wing Down Pressure Parts List

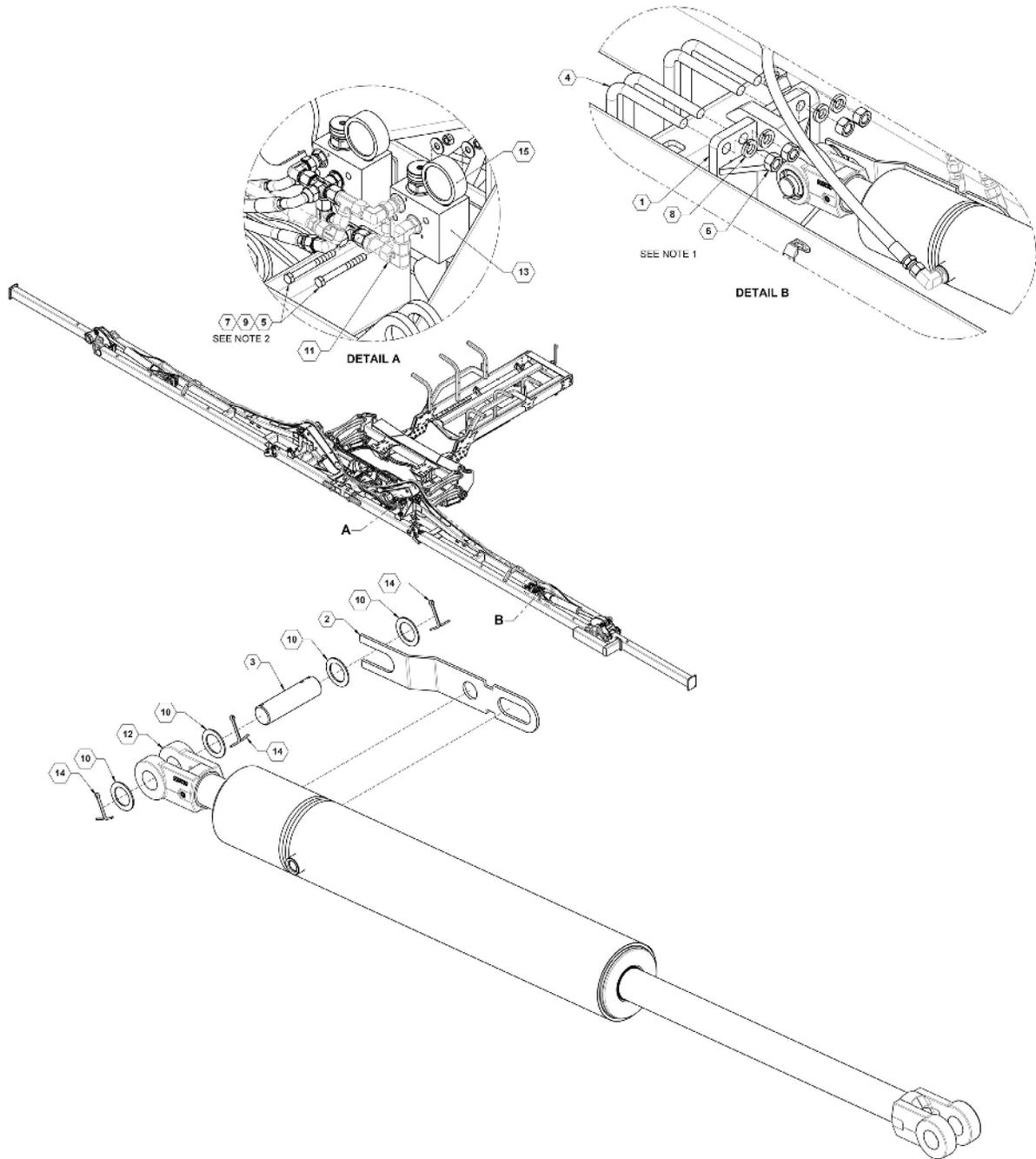
| ITEM | PART NO. | QTY. | DESCRIPTION                          |
|------|----------|------|--------------------------------------|
| 1    | 26932    | 2    | FLIP WING STOP                       |
| 2    | 26933    | 6    | FLIP STOP SHIM PLATE                 |
| 3    | 27077    | 2    | CYLINDER MOUNT ASSEMBLY WITH BUSHING |
| 3    | 21800    | 2    | CYLINDER MOUNT BUSHING               |
| 4    | 590075   | 8    | U-BOLT, 5/8 X 7-1/16" X 6-1/2", ZP   |
| 5    | 596128M  | 8    | BOLT, HH 3/8-16 X 1 GR5 MAGNI        |
| 6    | 596216M  | 16   | NUT, HEX 5/8-11 MAGNI                |
| 7    | 596253M  | 16   | LOCKWASHER 5/8 MAGNI                 |
| 8    | 610145   | 2    | #8 JIC PLUG                          |
| 9    | 620101   | 2    | CYLINDER, 4.5 X 24"                  |
| 9    | 620100   | 1    | CLEVIS                               |



# ILLUSTRATED PARTS LIST

## Flip Wing Down Pressure

- NOTE:  
1. TORQUE CYLINDER MOUNT HARDWARE TO 110FT-LBS +/- 10FT-LBS  
2. LEAVE DOWN PRESSURE HARDWARE SLIGHTLY LOOSE UNTIL ALL FITTINGS ARE TIGHT, THEN TIGHTEN HARDWARE





# ILLUSTRATED PARTS LIST

## Flip Wing Down Pressure Parts List

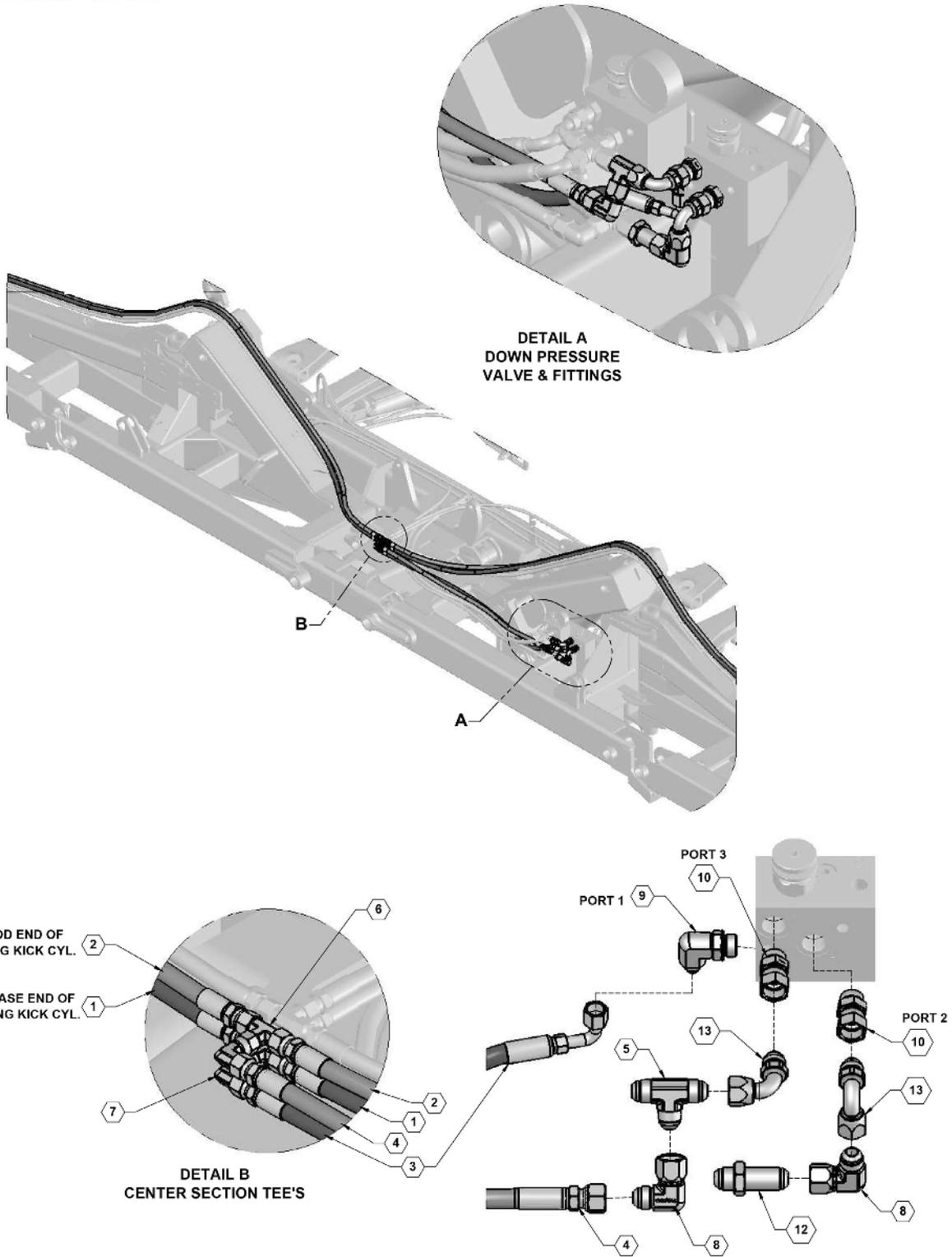
| ITEM | PART NO. | VENDOR NO. | QTY. | DESCRIPTION                                       |
|------|----------|------------|------|---|
| 1    | 27073    |            | 2    | CYLINDER MOUNT A SERIES FLIP WING DOWN PRESSURE   |
| 1    | 21800    |            | 1    | PRESS IN BUSHING                                  |
| 2    | 27255    |            | 2    | PLATE, CYLINDER ANTI ROTATE                       |
| 3    | 27256    |            | 2    | ANTI ROTATE PIN                                   |
| 4    | 590075   |            | 8    | U-BOLT, 5/8 X 6 X 4 MAGNI                         |
| 5    | 596133M  |            | 2    | BOLT, HH 3/8 X 3-1/2 GR5 MAGNI                    |
| 6    | 596216M  |            | 16   | NUT, HEX 5/8-11 MAGNI                             |
| 7    | 596237M  |            | 2    | NUT, CENTERLOCK 3/8-16 MAGNI                      |
| 8    | 596253M  |            | 16   | LOCKWASHER 5/8 MAGNI                              |
| 9    | 596258M  |            | 2    | WASHER, FLAT 3/8 MAGNI                            |
| 10   | 596744M  |            | 8    | BUSHING, MACHINED, 1-1/4 x 14 GA MAGNI            |
| 11   | 600102   |            | 1    | FLIP WING DOWN PRESSURE HYDRAULIC KIT             |
| 12   | 620027   |            | 2    | CYLINDER, 4.5" BORE X 22-1/2" AND 1-13/16" STROKE |
| 13   | 630041   |            | 1    | MANIFOLD, HYDRAULIC DOWN PRESSURE                 |
| 13   |          | PRH121K20  | 1    | PRESSURE REDUCING VALVE                           |
| 13   |          | CVH103P    | 1    | CHECK VALVE C10                                   |
| 13   |          | 11441-015  | 1    | .015 ORIFICE                                      |
| 14   | 730033   |            | 6    | COTTER PIN  |
| 15   | 790052   |            | 1    | PRESSURE GAUGE, 3000 PSI                          |



# ILLUSTRATED PARTS LIST

## Flip Wing Down Pressure Hydraulics

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





## ILLUSTRATED PARTS LIST

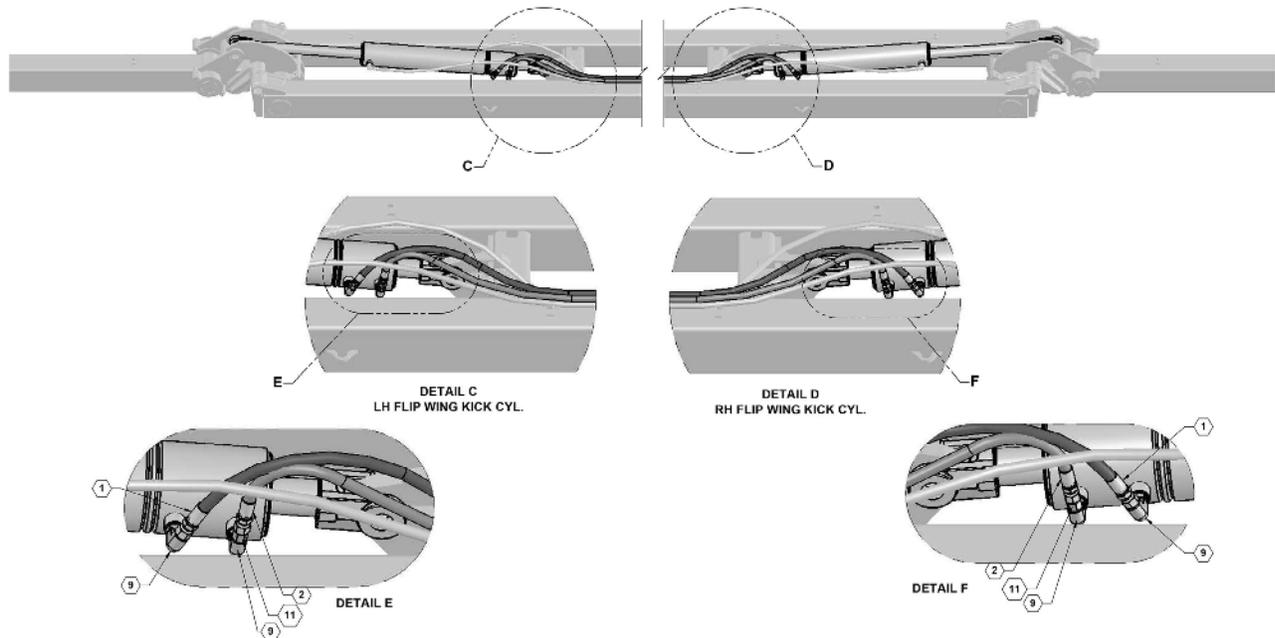
### Flip Wing Down Pressure Hydraulics Parts List

| ITEM | PART NO.    | QTY. | DESCRIPTION                  |
|------|-------------|------|------------------------------|
| 1    | 600102-1-ZN | 2    | HOSE ASSY, 06-6FJX-6FJX-216  |
| 2    | 600102-2-ZN | 2    | HOSE ASSY, 06-6FJX-6FJX-214  |
| 3    | 600102-3-ZN | 1    | HOSE ASSY, 06-6FJX90-6FJX-46 |
| 4    | 600102-4-ZN | 1    | HOSE ASSY, 06-8FJX-6FJX-46   |
| 5    | 610004      | 1    | JIC #8 UNION TEE             |
| 6    | 610005      | 2    | JIC UNION TEE #6             |
| 7    | 610023      | 2    | JIC #6 90 DEG                |
| 8    | 610110      | 1    | #8 FJIC 90                   |
| 9    | 610030      | 3    | JIC #6 TO ORING #8 90 DEG    |
| 10   | 610083      | 2    | FITTING #8 ORB X #8 JICF     |
| 12   | 610146      | 1    | #8 JIC BULKHEAD UNION        |
| 13   | 610158      | 3    | JIC #8 90 DEG SWEEP ELBOW    |



# ILLUSTRATED PARTS LIST

## Flip Wing Down Pressure Hydraulics





## ILLUSTRATED PARTS LIST

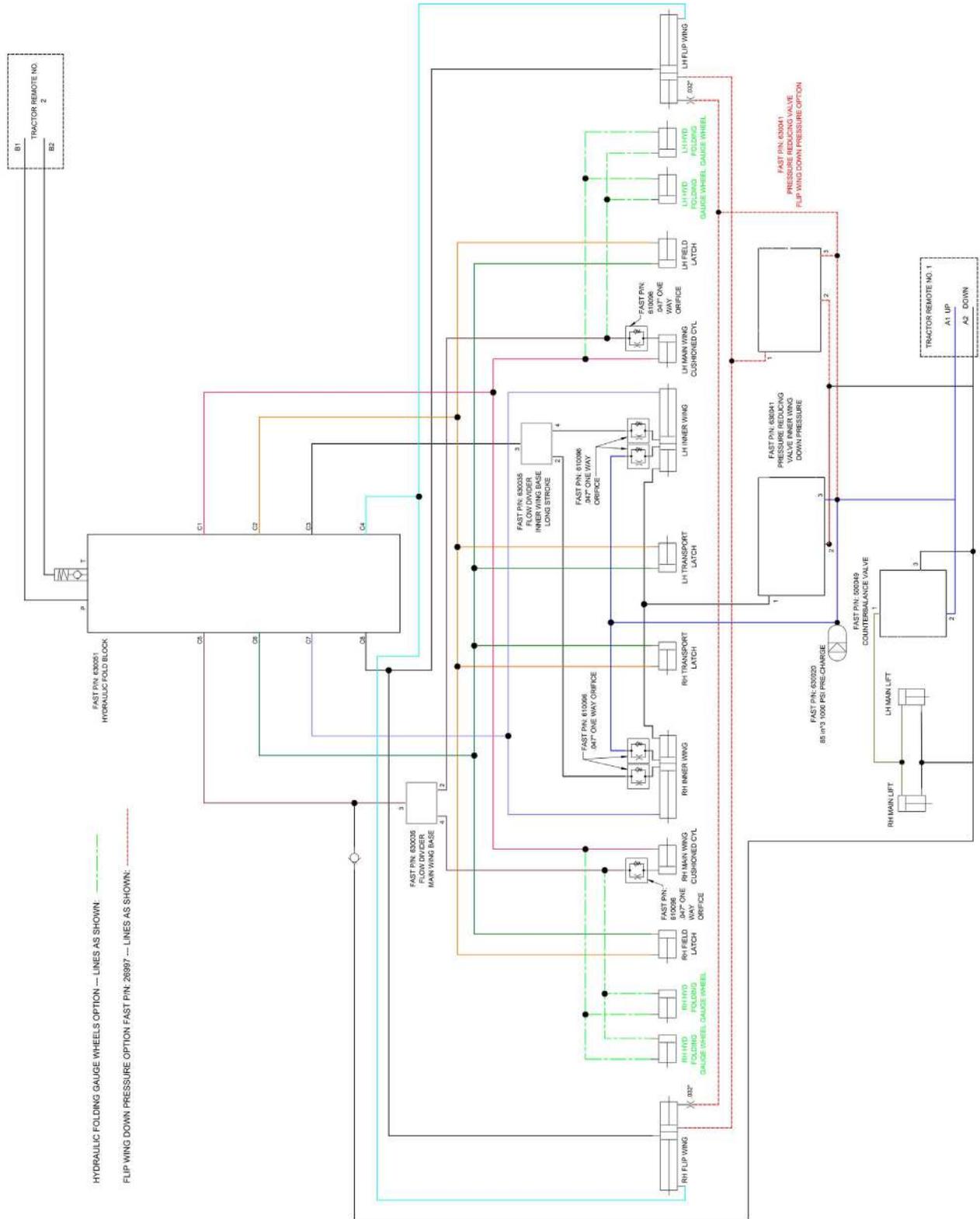
### Flip Wing Down Pressure Hydraulics Parts List

| ITEM | PART NO.    | QTY. | DESCRIPTION                            |
|------|-------------|------|--|
| 1    | 600102-1-ZN | 2    | HOSE ASSY, 06-6FJX-6FJX-216            |
| 2    | 600102-2-ZN | 2    | HOSE ASSY, 06-6FJX-6FJX-214            |
| 9    | 610030      | 5    | JIC #6 TO ORING #8 90 DEG              |
| 11   | 610140      | 2    | JIC #6 TO JIC #6 FEMALE X .031 ORIFICE |



# ILLUSTRATED PARTS LIST

## Hydraulic Diagram



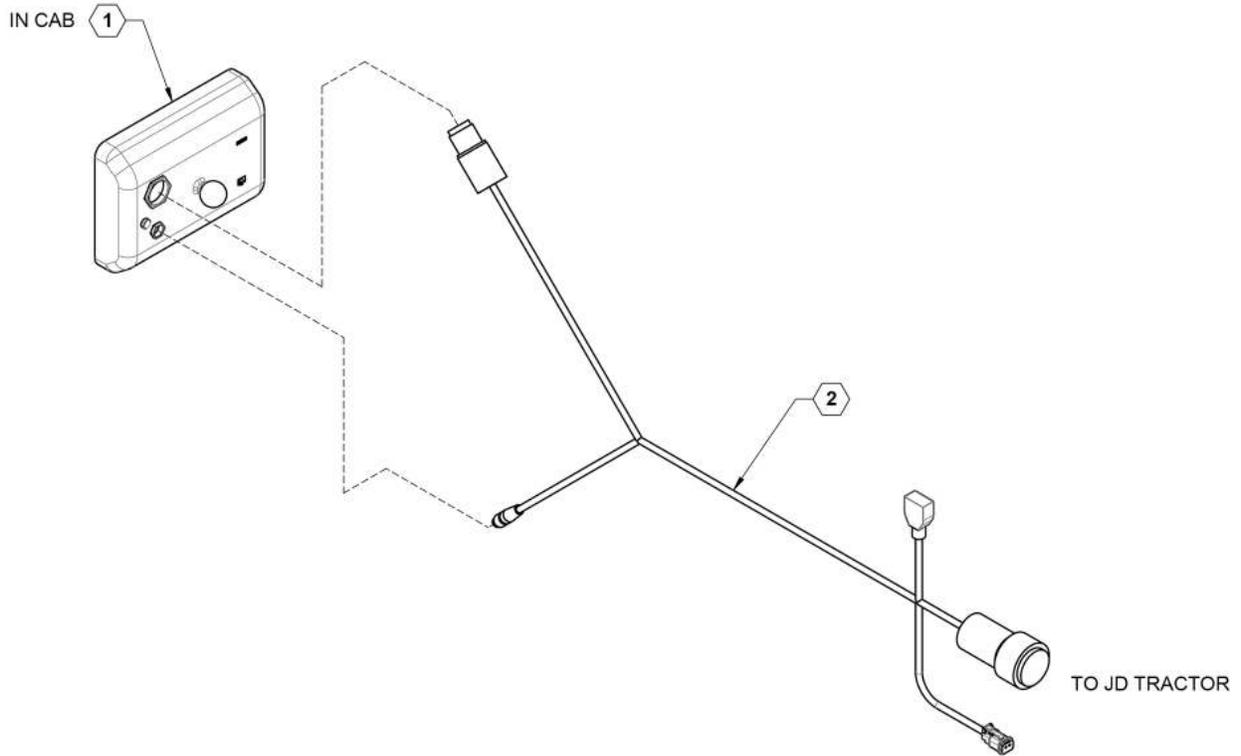


## ILLUSTRATED PARTS LIST

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## CR7 Display



## CR7 Display Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                 |
|------|----------|------|-----------------------------|
| 1    | 632063   | 1    | RAVEN PRECISION CR7 DISPLAY |
| 2    | 632066   | 1    | CABLE, CR7 ISO VT ONLY      |

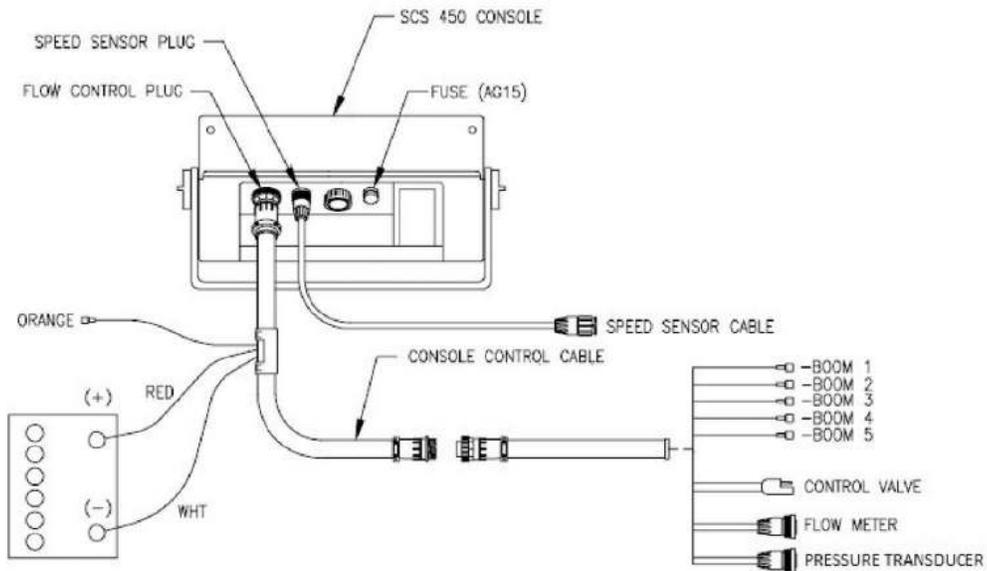
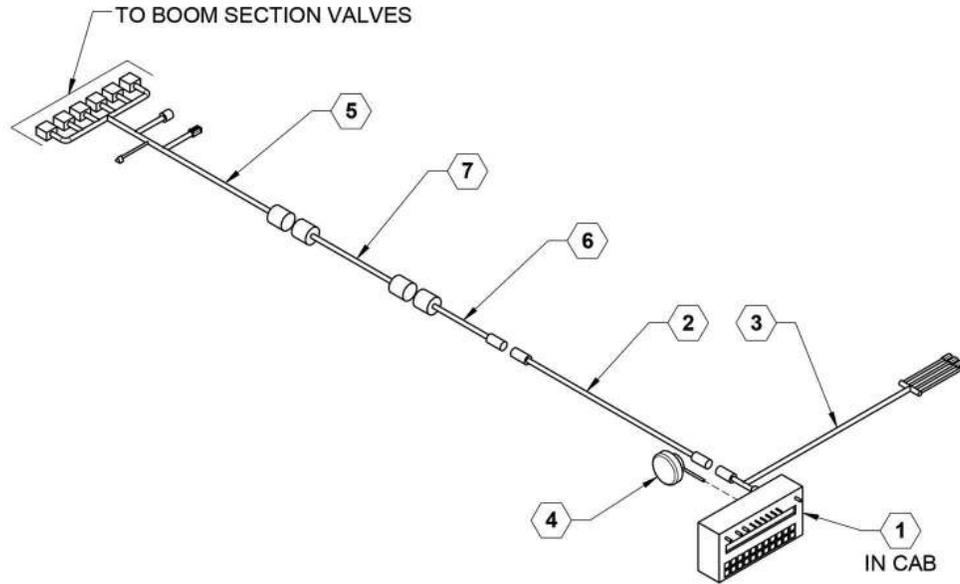


## ILLUSTRATED PARTS LIST

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## Raven 450 Controller





## ILLUSTRATED PARTS LIST

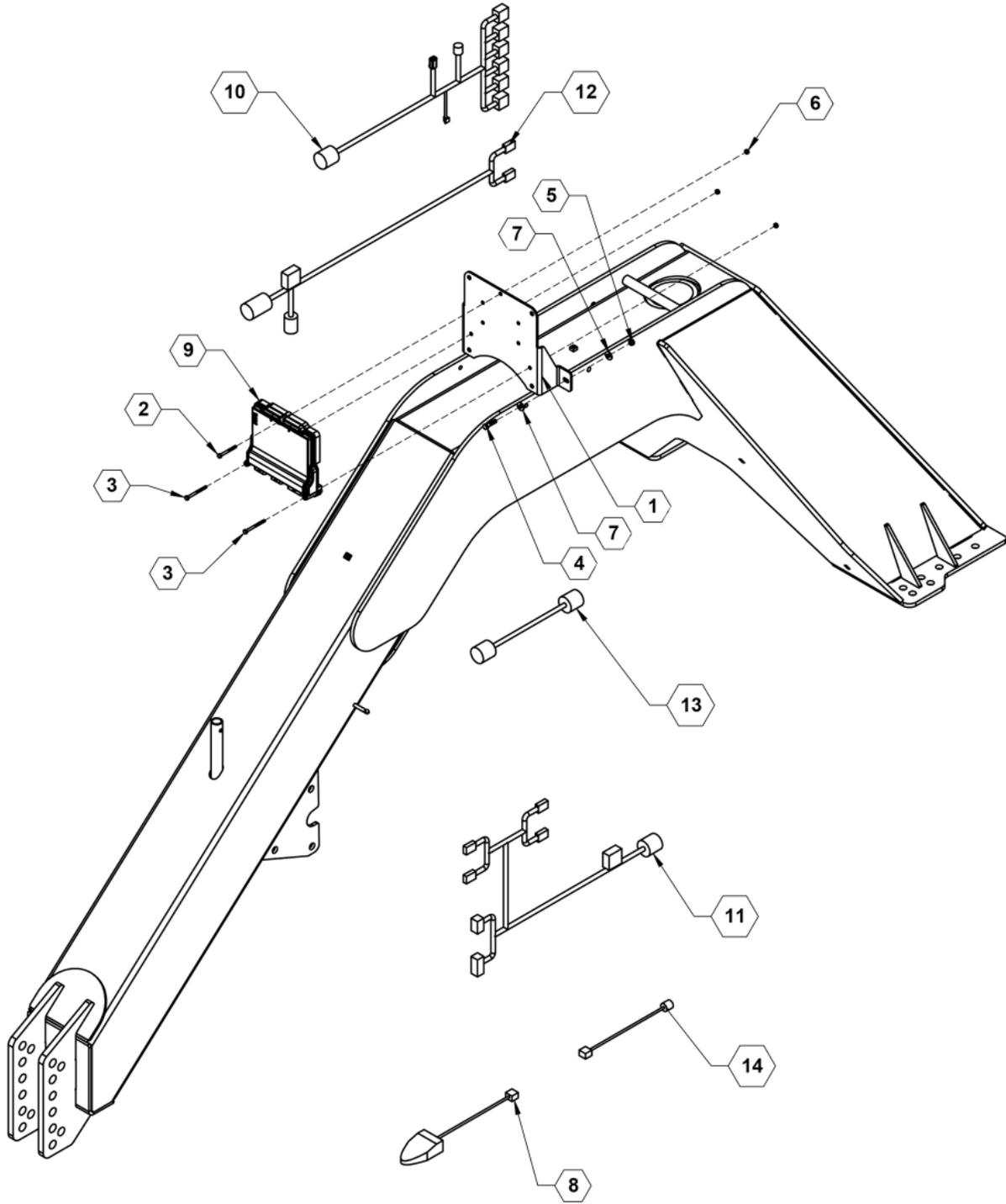
### Raven 450 Controller Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                        |
|------|----------|------|------------------------------------|
| 1    | 631803   | 1    | RAVEN SCS450 CONTROLLER            |
| 2    | 631814   | 1    | CABLE, 6 BOOM 12' EXTENSION        |
| 3    | 631818   | 1    | CABLE 10' CONSOLE 7 BOOM SCS 440/4 |
| 4    | 631832   | 1    | SKYTRAK GPS SPEED SENSOR           |
| 5    | 632080   | 1    | 6 SECTION 6' FINAL CABLE           |
| 6    | 632028   | 1    | 47 PIN TO 16 PIN ADAPTER           |
| 7    | 632050   | 1    | 47 PIN 18' EXTENSION CABLE         |



# ILLUSTRATED PARTS LIST

## Raven RCM Controller



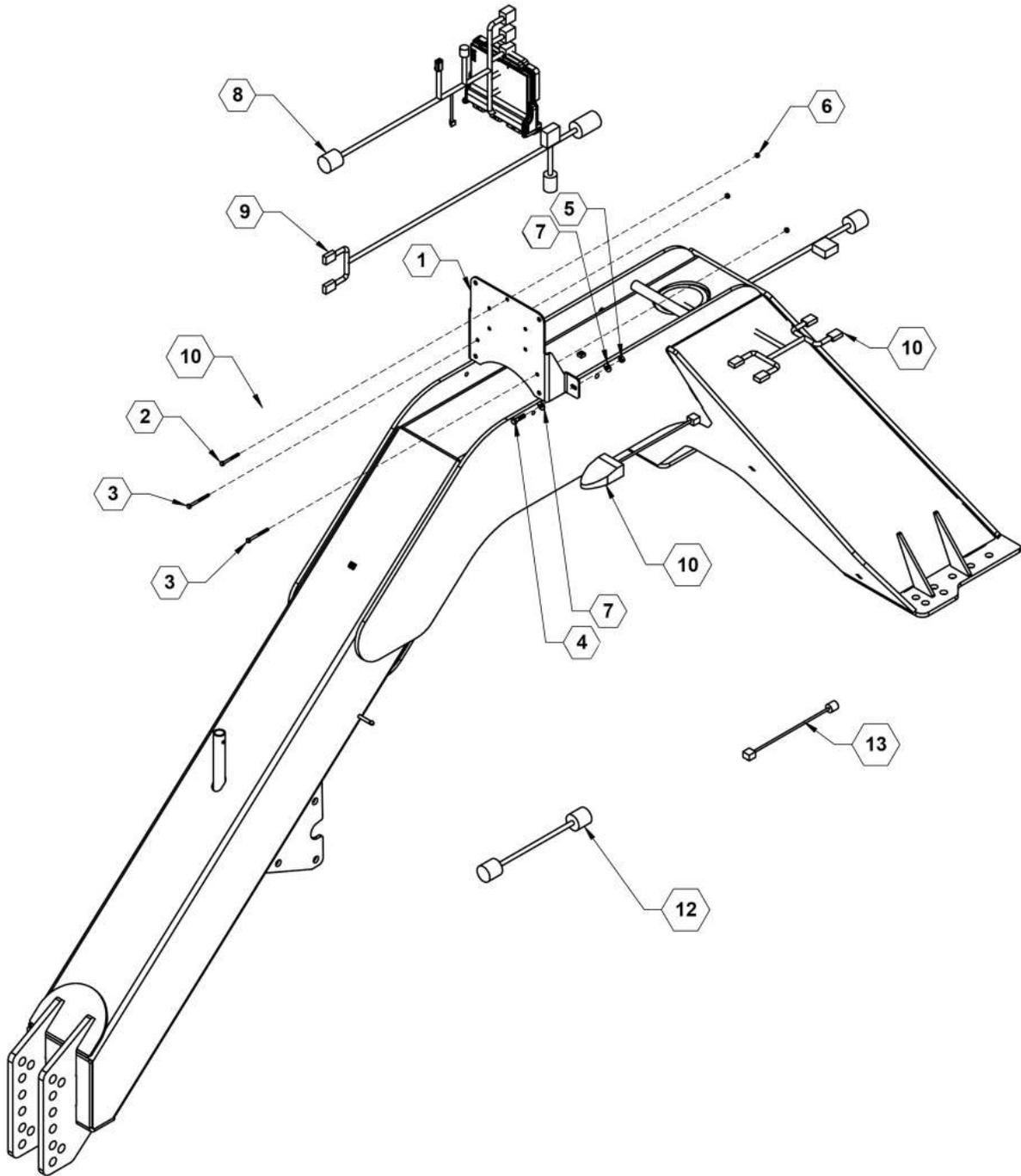


## ILLUSTRATED PARTS LIST

### Raven RCM Controller Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                             |
|------|----------|------|---|
| 1    | 27209    | 1    | PLATE, CONTROLLER MOUNT                 |
| 2    | 596105M  | 1    | BOLT, HH 1/4-20X2-1/2 GR5 MAGNI         |
| 3    | 596110M  | 2    | BOLT, HH 1/4-20 X 3 MAGNI               |
| 4    | 596129M  | 2    | BOLT, HH 3/8-16X1-1/2 GR5 MAGNI         |
| 5    | 596213M  | 2    | NUT, HEX 3/8-16 MAGNI                   |
| 6    | 596235M  | 3    | NUT, CENTERLOCK, 1/4-20 MAGNI           |
| 7    | 596258M  | 4    | WASHER, FLAT 3/8 MAGNI                  |
| 8    | 631856   | 1    | FOOTSWITCH, ISO PRODUCT CONTROL         |
| 9    | 632010   | 1    | RAVEN RCM                               |
| 10   | 632029   | 1    | 47 PIN RATE CTRL INTERFACE CABLE        |
| 11   | 632031   | 1    | IBIC TO GEN 1 ISO 12'                   |
| 12   | 632050   | 1    | 47 PIN 18' EXTENSION CABLE              |
| 13   | 632061   | 1    | CABLE, FOOTSWITCH, 12' ROW CROP TRACTOR |
| 14   | 632080   | 1    | 6 SECTION 6' FINAL CABLE                |

## JD RC2000 Controller



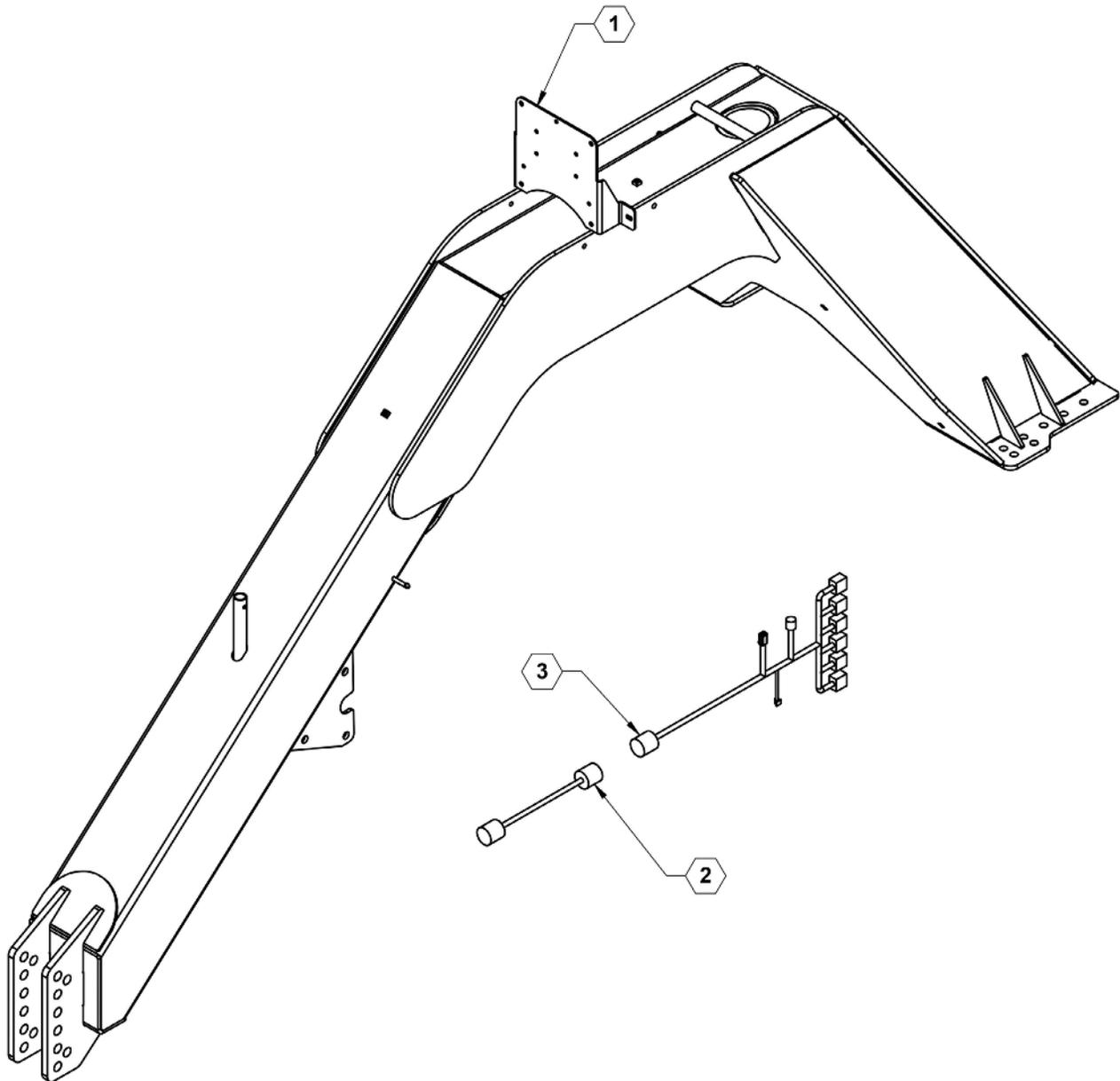


## ILLUSTRATED PARTS LIST

### JD RC2000 Controller Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                             |
|------|----------|------|---|
| 1    | 27209    | 1    | PLATE, RCM MOUNT                        |
| 2    | 596105M  | 1    | BOLT, HH 1/4-20X2-1/2 GR5 MAGNI         |
| 3    | 596110M  | 2    | BOLT, HH 1/4-20 X 3 MAGNI               |
| 4    | 596129M  | 2    | BOLT, HH 3/8-16X1-1/2 GR5 MAGNI         |
| 5    | 596213M  | 2    | NUT, HEX 3/8-16 MAGNI                   |
| 6    | 596235M  | 3    | NUT, CENTERLOCK, 1/4-20 MAGNI           |
| 7    | 596258M  | 4    | WASHER, FLAT 3/8 MAGNI                  |
| 8    | 632027   | 1    | 6 SECTION 6' FINAL CABLE                |
| 9    | 632031   | 1    | IBIC TO GEN 1 ISO 12'                   |
| 10   | 632045   | 1    | JD RC2000 CONTROL MODULE                |
| 12   | 632050   | 1    | 47 PIN 18' EXTENSION CABLE              |
| 13   | 632061   | 1    | CABLE, FOOTSWITCH, 12' ROW CROP TRACTOR |

## Customer Supplied JD RC2000 Controller





## ILLUSTRATED PARTS LIST

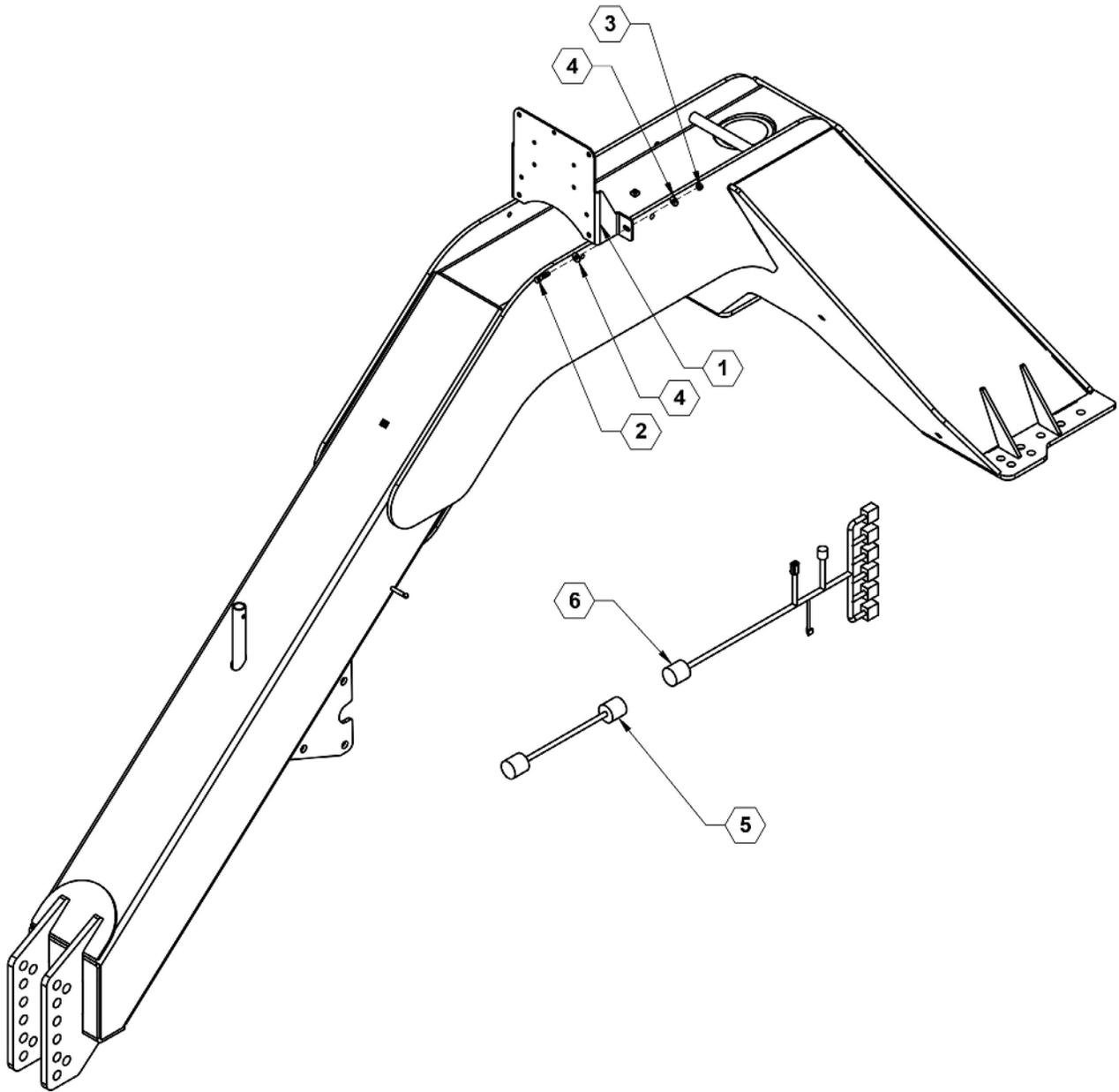
### Customer Supplied JD RC2000 Controller Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                |
|------|----------|------|----------------------------|
| 1    | 27209    | 1    | PLATE, CONTROLLER MOUNT    |
| 2    | 632050   | 1    | 47 PIN 18' EXTENSION CABLE |
| 3    | 632080   | 1    | 6 SECTION 6' FINAL CABLE   |



# ILLUSTRATED PARTS LIST

## Customer Supplied Rate Controller



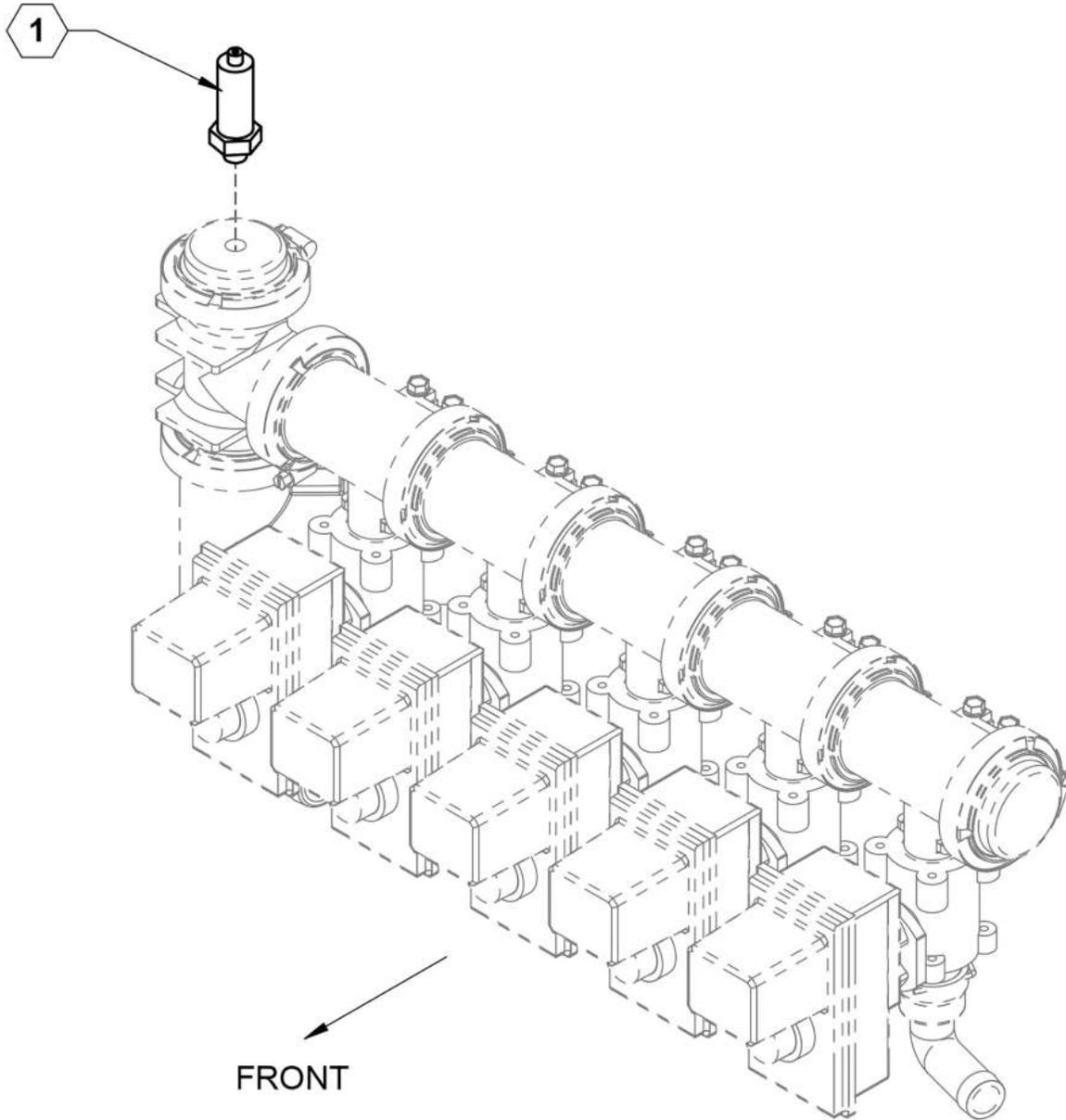


## ILLUSTRATED PARTS LIST

### Customer Supplied Rate Controller Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                     |
|------|----------|------|---------------------------------|
| 1    | 27209    | 1    | PLATE, CONTROLLER MOUNT         |
| 2    | 596129M  | 2    | BOLT, HH 3/8-16X1-1/2 GR5 MAGNI |
| 3    | 596213M  | 2    | NUT, HEX 3/8-16 MAGNI           |
| 4    | 596258M  | 4    | WASHER, FLAT 3/8 MAGNI          |
| 5    | 632050   | 1    | 47 PIN 18' EXTENSION CABLE      |
| 6    | 632080   | 1    | 6 SECTION 6' FINAL CABLE        |

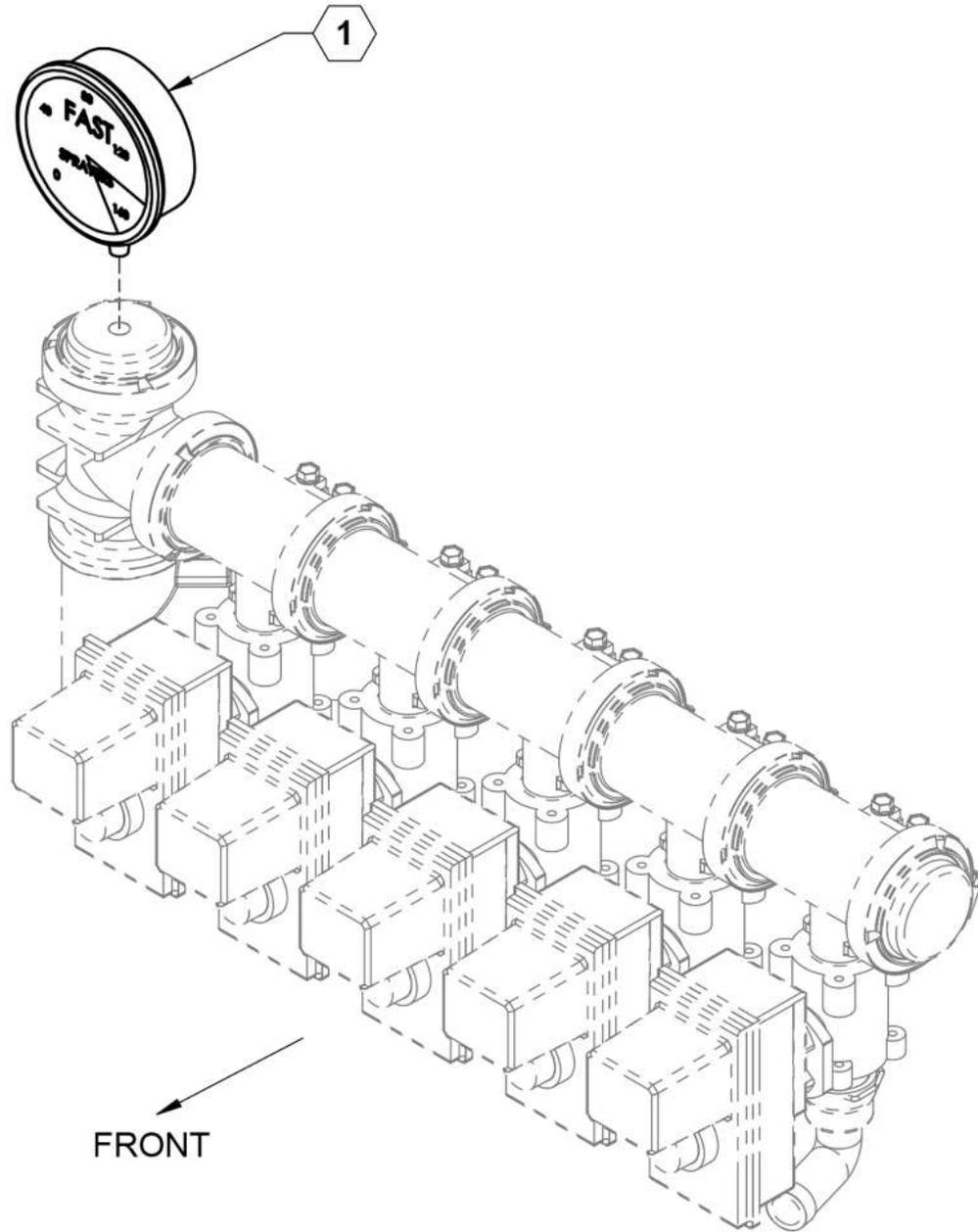
## Pressure Transducer Raven 450



### Pressure Transducer Raven 450 Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION          |
|------|----------|------|----------------------|
| 1    | 631828   | 1    | TRANSDUCER, PRESSURE |

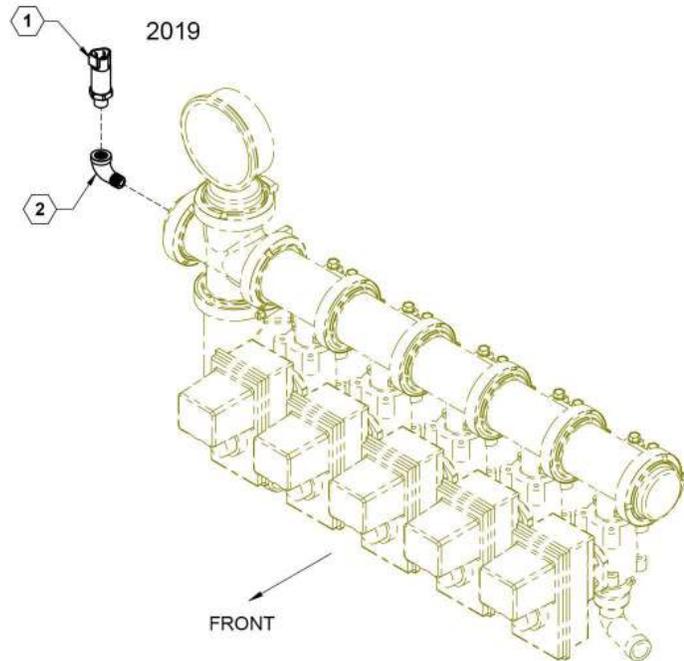
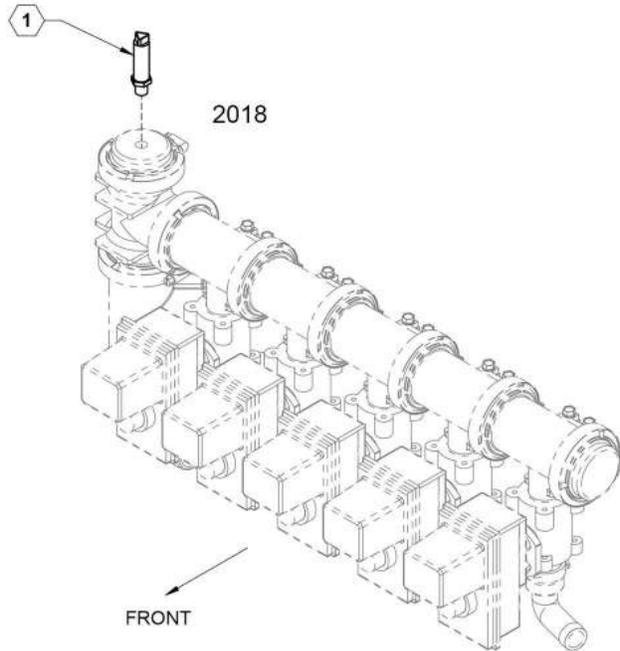
## Pressure Gauge



### Pressure Gauge Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION             |
|------|----------|------|-------------------------|
| 1    | 790020   | 1    | GAUGE, FAST LOGO 160PSI |

## Pressure Transducer ISO



### Pressure Transducer ISO Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                         |
|------|----------|------|-------------------------------------|
| 1    | 632036   | 1    | TRANSDUCER, PRESSURE                |
| 2    | 530246   | 1    | ELBOW, 90 DEGREE STREET, 1/4 NPT SS |



# ILLUSTRATED PARTS LIST

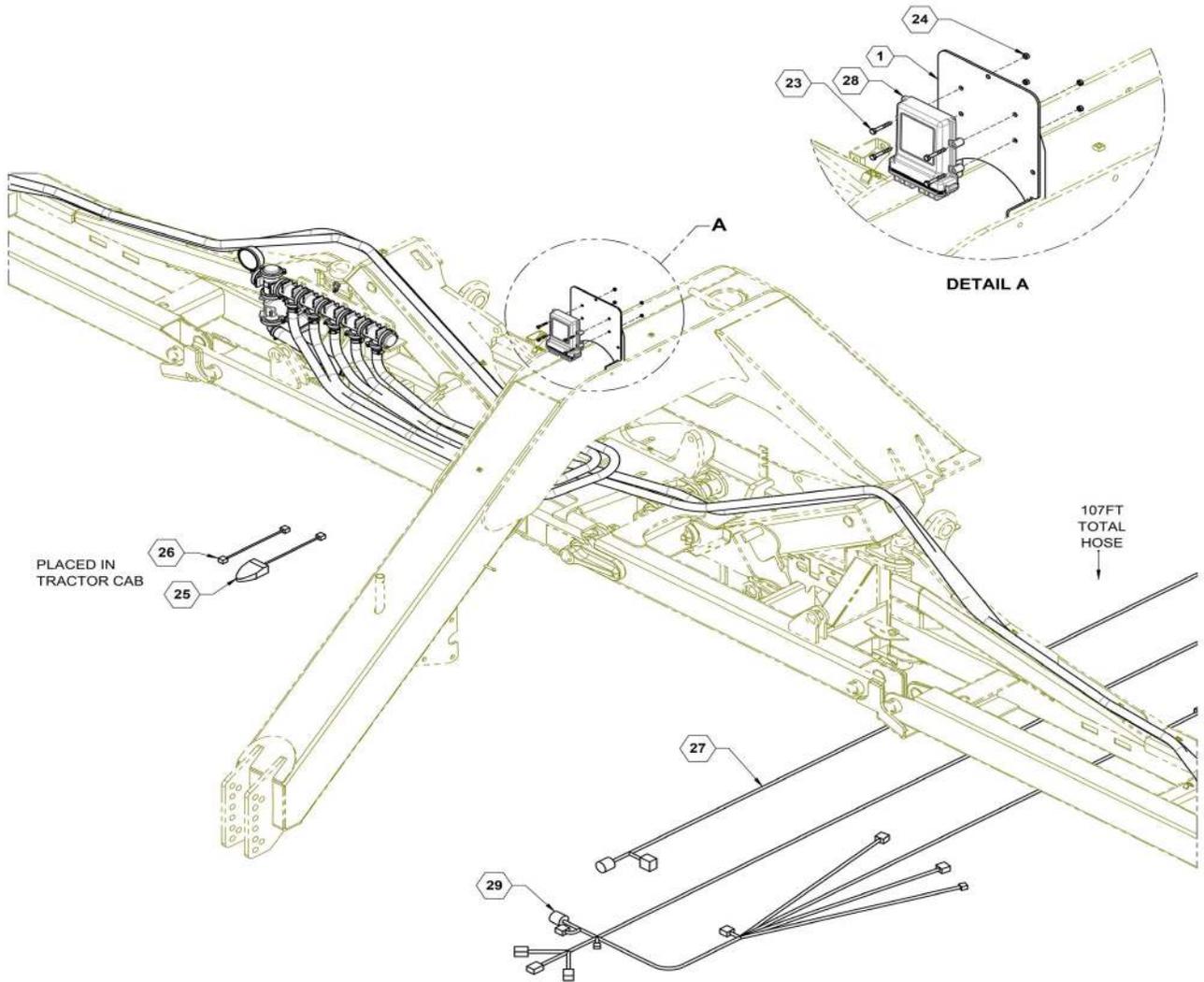
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# ILLUSTRATED PARTS LIST

## Raven Hawkeye Flow Control





## ILLUSTRATED PARTS LIST

### Raven Hawkeye Flow Control Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                     |
|------|----------|------|---------------------------------|
| 1    | 26953    | 1    | RCM MOUNT                       |
| 23   | 596104M  | 4    | BOLT, HH 1/4-20X1-3/4 GR5 MAGNI |
| 24   | 596235M  | 4    | NUT, CENTERLOCK, 1/4-20 MAGNI   |
| 25   | 631856   | 1    | FOOTSWITCH, ISO PRODUCT CONTROL |
| 26   | 631857   | 1    | FOOTSWITCH EXTENSION CABLE      |
| 27   | 631957   | 1    | 9 PIN TO GEN 3 RECEPTACLE       |
| 28   | 631983   | 1    | ISO PRODUCT CONTROLLER II ECU   |
| 29   | 632068   | 1    | HAWKEYE ECU CABLE               |





## ILLUSTRATED PARTS LIST

### Raven Hawkeye Flow Control Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--|
| 2    | 510014   | 1    | HOSE, 1-1/2" EPDM X 2'                     |
| 3    | 510016   | 1    | HOSE, 1" EPDM 3'                           |
| 4    | 510016   | 1    | HOSE, 1" EPDM 19'                          |
| 5    | 510016   | 1    | HOSE, 1" EPDM 21'                          |
| 6    | 510016   | 1    | HOSE, 1" EPDM 31'                          |
| 7    | 510016   | 1    | HOSE, 1" EPDM 33'                          |
| 8    | 530014   | 10   | GASKET, 1-1/2" EPDM                        |
| 9    | 530036   | 5    | HOSE SHANK, 3/4" MPT X 1" 90~              |
| 10   | 530066   | 5    | MANIFOLD FITTING, 1" X 1" HB               |
| 11   | 530068   | 5    | GASKET, 1" EPDM                            |
| 12   | 530075   | 5    | MANIFOLD 2" STANDARD PORT X 1" TEE FLANGED |
| 13   | 530080   | 1    | MANIFOLD, 2" TO 1.5" HOSE BARB 90          |
| 14   | 530090   | 1    | FLANGED CROSS 2"                           |
| 15   | 530093   | 2    | MANIFOLD PLUG, 2"                          |
| 16   | 530094   | 1    | PLUG, 2" MANIFOLD WITH HOLE                |
| 17   | 530220   | 5    | FITTING, 3/4" FPT X 3/4" HOSE BARB TEE     |
| 18   | 530246   | 1    | ELBOW, 90~ STREET 1/4 NPT SS               |
| 19   | 540000   | 5    | CLAMP, WORM SCREW 1"                       |
| 20   | 540001   | 10   | CLAMP, 2" STANDARD WORM SCREW              |
| 21   | 540014   | 10   | CLAMP, HOSE SS 1" #16                      |
| 22   | 540016   | 1    | CLAMP, 1-1/2" SS                           |
| 30   | 632069   | 1    | RAVEN MASTER VALVE                         |
| 31   | 790020   | 1    | GAUGE, FAST LOGO 160PSI                    |



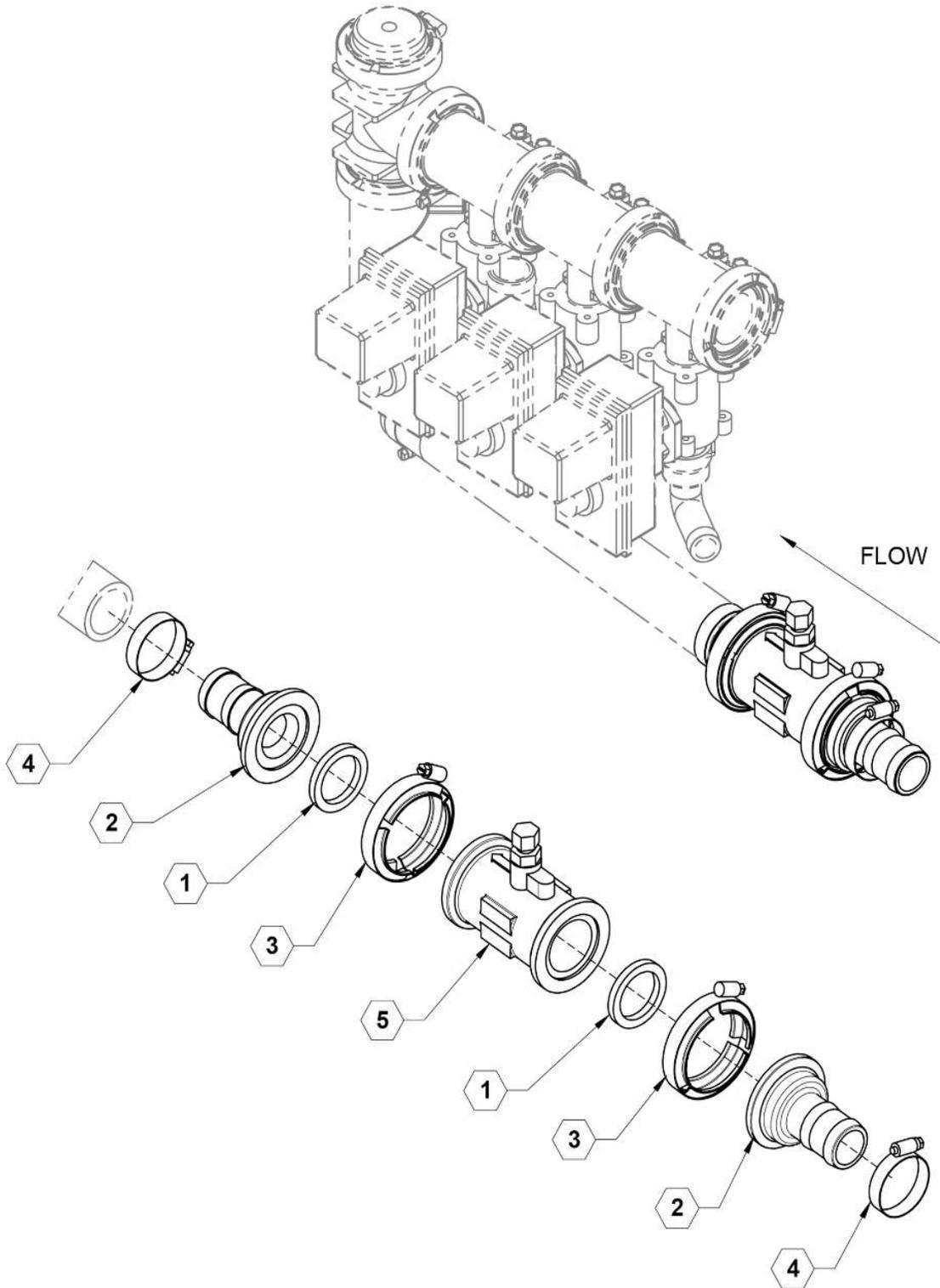


# ILLUSTRATED PARTS LIST

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## RFM 60 Flow Meter



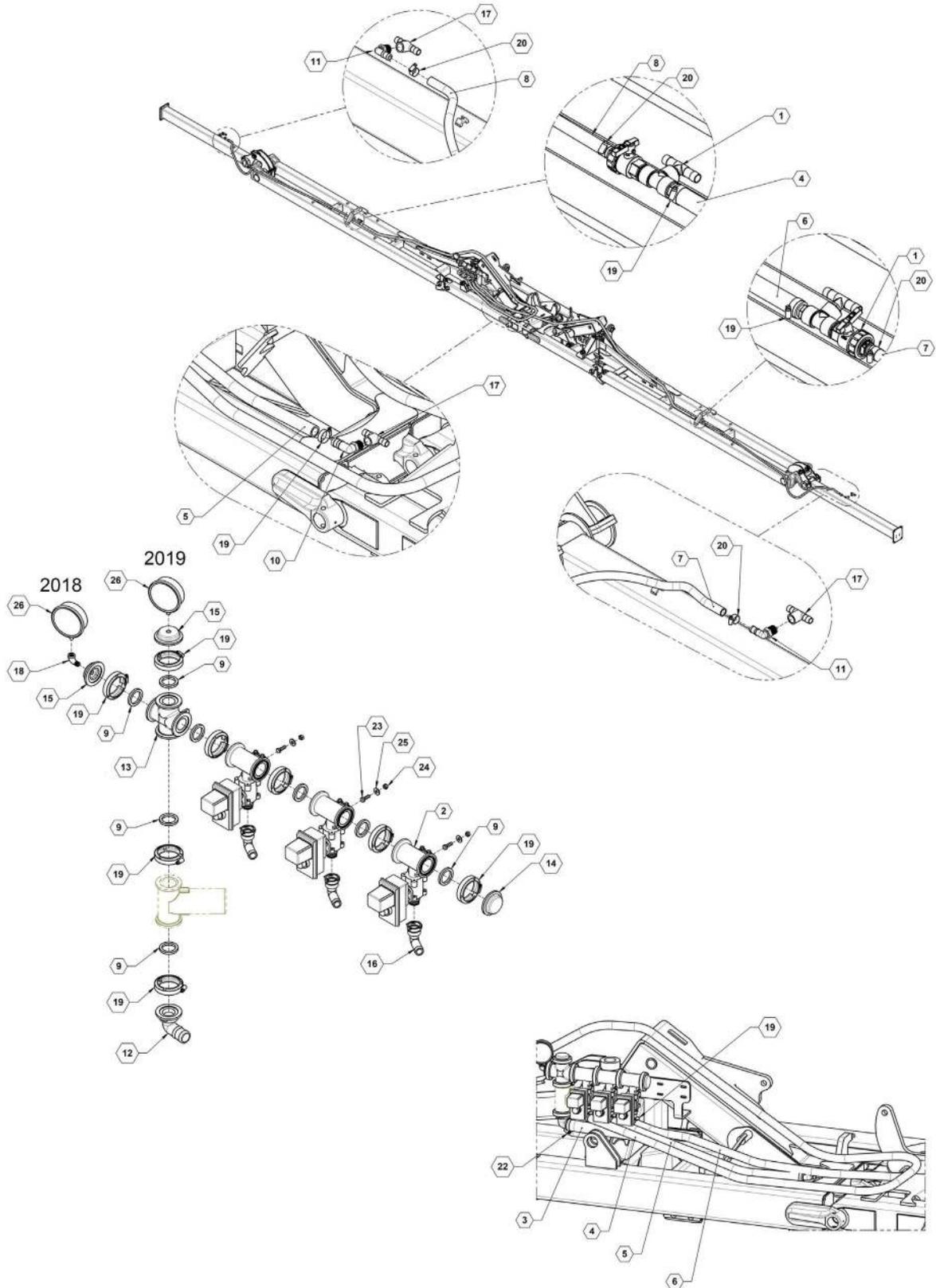


## ILLUSTRATED PARTS LIST

### RFM 60 Flow Meter Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                     |
|------|----------|------|---------------------------------|
| 1    | 530014   | 2    | GASKET, 1-1/2" EPDM             |
| 2    | 530079   | 2    | MANIFOLD FLANGE, 2" X 1-1/2" HB |
| 3    | 540001   | 2    | CLAMP, 2" STANDARD WORM SCREW   |
| 4    | 540016   | 2    | CLAMP, 1-1/2" SS                |
| 5    | 631804   | 1    | FLOWMETER, 60P                  |

## 3 Section Plumbing





## ILLUSTRATED PARTS LIST

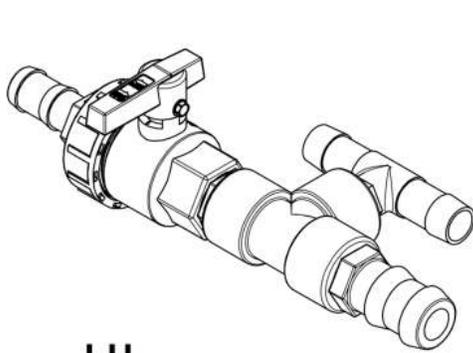
### 3 Section Plumbing Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                                   |
|------|----------|------|---|
| 1    | 90SAVFF  | 2    | SUB ASSEMBLY, VALVE, FLIP FERTILIZER          |
| 2    | 500027   | 0.75 | VALVE 450BEC MANIFOLD (NARROW) (NON-FLOWBACK) |
| 2    | 500028   | 0.75 | VALVE 450BEC MANIFOLD (WIDE) (NON-FLOWBACK)   |
| 3    | 510014   | 1    | HOSE, 1-1/2" EPDM X 2'                        |
| 4    | 510016   | 1    | HOSE, 1" EPDM 22'                             |
| 5    | 510016   | 1    | HOSE, 1" EPDM 4'                              |
| 6    | 510016   | 1    | HOSE, 1" EPDM 20'                             |
| 7    | 510019   | 1    | HOSE, 3/4" EPDM X 12'                         |
| 8    | 510019   | 1    | HOSE, 3/4" EPDM X 12'                         |
| 9    | 530014   | 8    | GASKET, 1-1/2" EPDM                           |
| 10   | 530036   | 1    | HOSE SHANK, 3/4" MPT X 1" 90~                 |
| 11   | 530040   | 2    | HOSE SHANK, 3/4" MPT X 3/4" HB 90~            |
| 12   | 530080   | 1    | MANIFOLD, 2" TO 1.5" HOSE BARB 90             |
| 13   | 530090   | 1    | FLANGED CROSS 2"                              |
| 14   | 530093   | 2    | MANIFOLD PLUG, 2"                             |
| 15   | 530094   | 1    | PLUG, 2" MANIFOLD WITH HOLE                   |
| 16   | 530190   | 3    | QUICK CONNECT 1" HOSE BARB 90                 |
| 17   | 530220   | 3    | FITTING, 3/4" FPT X 3/4" HOSE BARB TEE        |
| 18   | 530246   | 1    | ELBOW, 90~ STREET 1/4 NPT SS                  |
| 19   | 540001   | 8    | CLAMP, 2" STANDARD WORM SCREW                 |
| 20   | 540013   | 4    | CLAMP, HOSE SS 3/4" #12                       |
| 19   | 540014   | 7    | CLAMP, HOSE SS 1" #16                         |
| 22   | 540016   | 1    | CLAMP, 1-1/2" SS                              |
| 23   | 596115M  | 3    | BOLT, HH 5/16-18X1 GR5 MAGNI                  |
| 24   | 596236M  | 3    | NUT, CENTERLOCK, 5/16-18 MAGNI                |
| 25   | 596257M  | 3    | WASHER, FLAT 5/16 USS MAGNI                   |

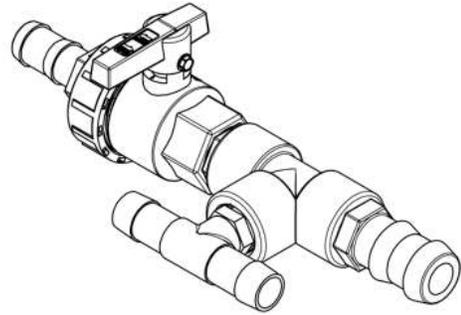


# ILLUSTRATED PARTS LIST

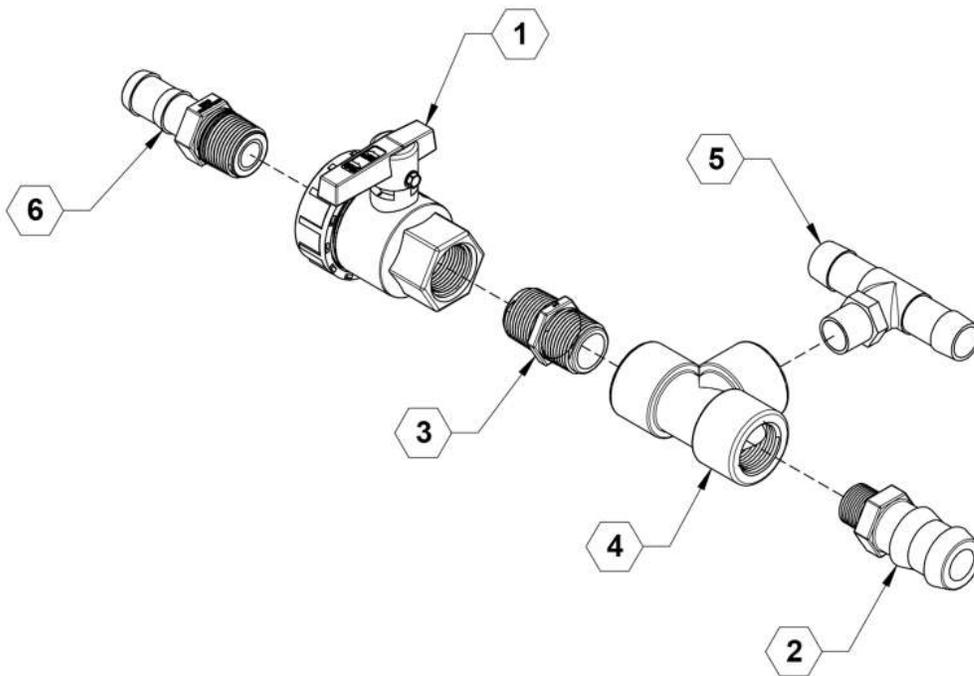
## Flip Fertilizer Assembly



LH



RH



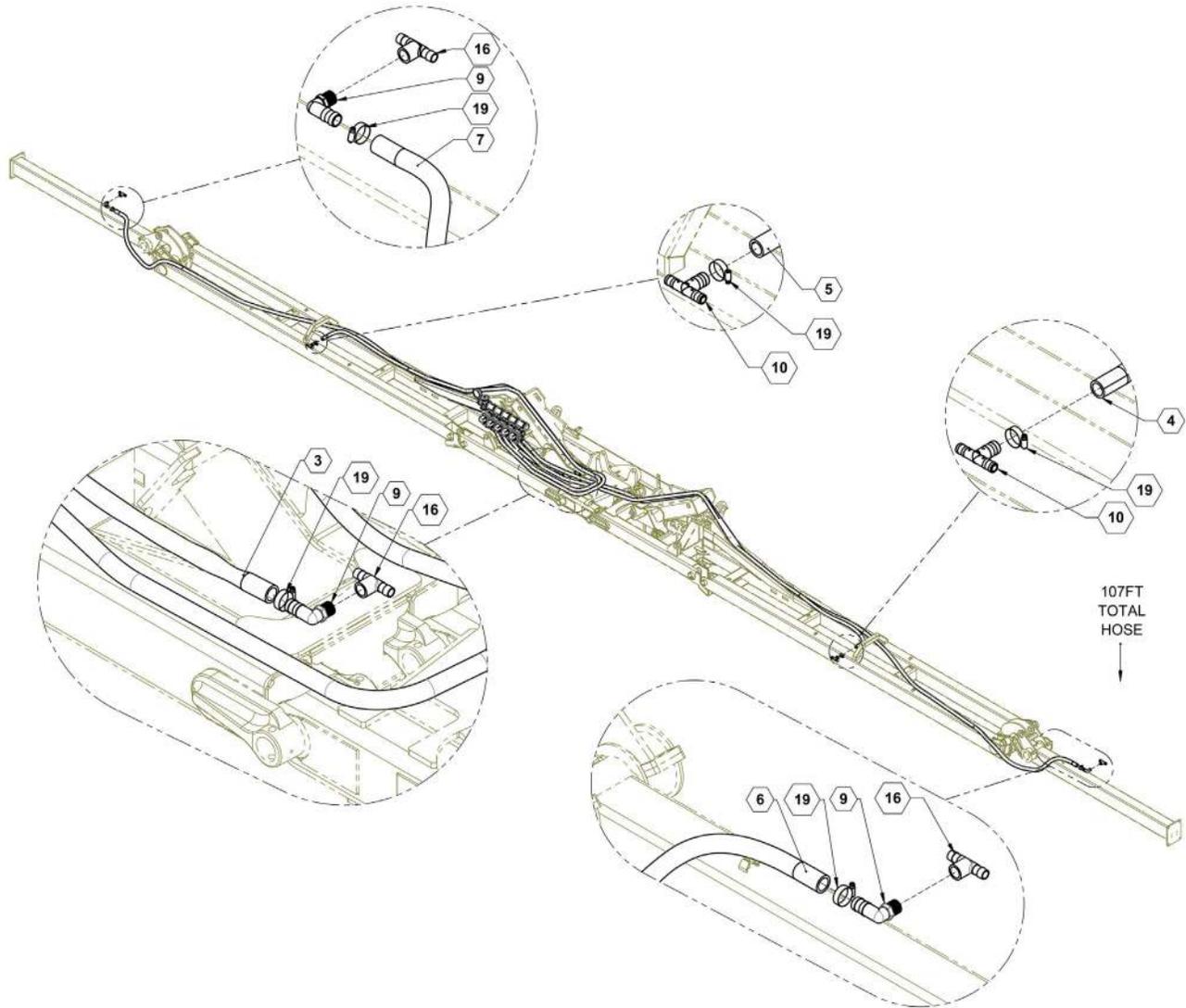


## ILLUSTRATED PARTS LIST

### Flip Fertilizer Assembly Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                   |
|------|----------|------|-------------------------------|
| 1    | 500043   | 1    | VALVE, 3/4" SINGLE UNION POLY |
| 2    | 530039   | 1    | 3/4" MPT X 1" HOSE BARB       |
| 3    | 530131   | 1    | NIPPLE, 3/4" SHORT POLY       |
| 4    | 530156   | 1    | TEE, 3/4" POLY PIPE           |
| 5    | 530221   | 1    | 3/4" MPT X 3/4" HOSE BARB TEE |
| 6    | 530230   | 1    | FITTING, 3/4" MPT X 3/4" HB   |

## 5 & 6 Section Plumbing



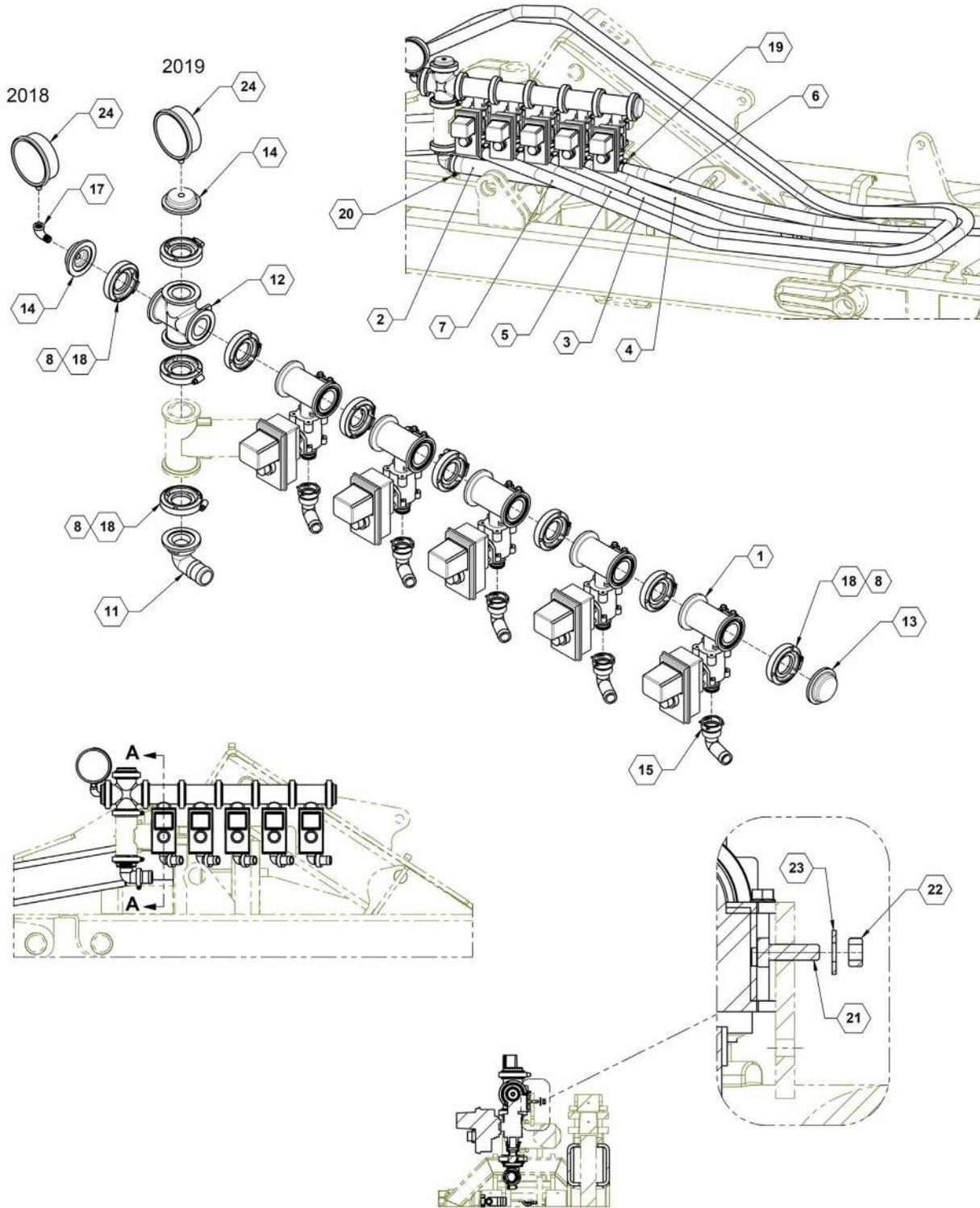


## ILLUSTRATED PARTS LIST

### 5 & 6 Section Plumbing Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                            |
|------|----------|------|--|
| 3    | 510016   | 1    | HOSE, 1" EPDM 3'                       |
| 4    | 510016   | 1    | HOSE, 1" EPDM 19'                      |
| 5    | 510016   | 1    | HOSE, 1" EPDM 21'                      |
| 7    | 510016   | 1    | HOSE, 1" EPDM 33'                      |
| 9    | 530036   | 3    | HOSE SHANK, 3/4" MPT X 1" 90~          |
| 10   | 530055   | 2    | 3/4 X 3/4 X 1" HOSE BARB TEE           |
| 16   | 530220   | 3    | FITTING, 3/4" FPT X 3/4" HOSE BARB TEE |
| 19   | 540014   | 11   | CLAMP, HOSE SS 1" #16                  |

## 5 & 6 Section Plumbing



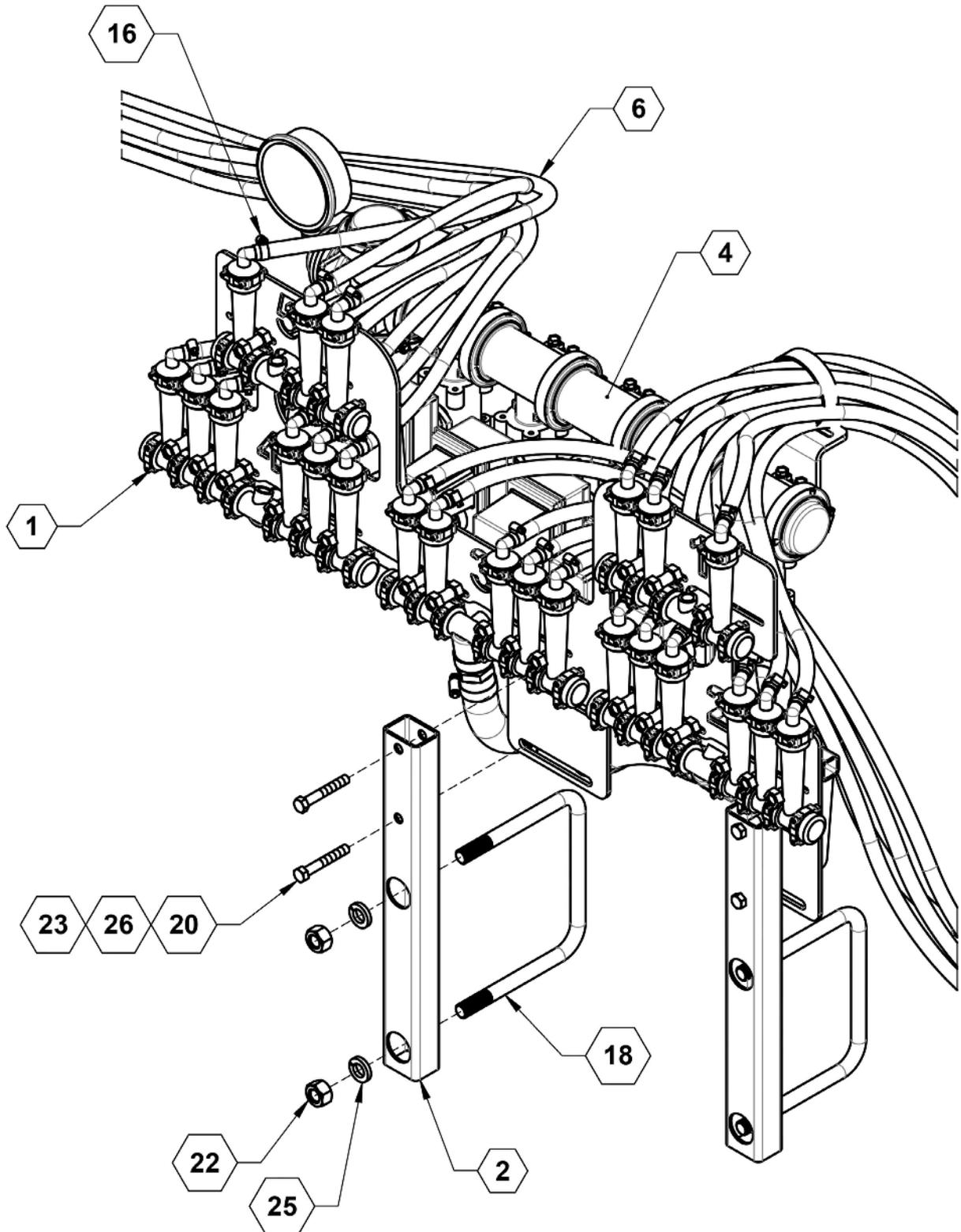


## ILLUSTRATED PARTS LIST

### 5 & 6 Section Plumbing Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                                   |
|------|----------|------|---|
| 1    | 500027   | 5, 6 | VALVE 450BEC MANIFOLD (NARROW) (NON-FLOWBACK) |
| 1    | 500028   | 5, 6 | VALVE 450BEC MANIFOLD (WIDE) (NON-FLOWBACK)   |
| 2    | 510014   | 1    | HOSE, 1-1/2" EPDM X 2'                        |
| 3    | 510016   | 1    | HOSE, 1" EPDM 3'                              |
| 4    | 510016   | 1    | HOSE, 1" EPDM 19'                             |
| 5    | 510016   | 1    | HOSE, 1" EPDM 21'                             |
| 6    | 510016   | 1    | HOSE, 1" EPDM 31'                             |
| 7    | 510016   | 1    | HOSE, 1" EPDM 33'                             |
| 8    | 530014   | 10   | GASKET, 1-1/2" EPDM                           |
| 11   | 530080   | 1    | MANIFOLD, 2" TO 1.5" HOSE BARB 90             |
| 12   | 530090   | 1    | FLANGED CROSS 2"                              |
| 13   | 530093   | 1    | MANIFOLD PLUG, 2"                             |
| 14   | 530094   | 2    | PLUG, 2" MANIFOLD WITH HOLE                   |
| 15   | 530190   | 5    | QUICK CONNECT 1" HOSE BARB 90                 |
| 17   | 530246   | 1    | ELBOW, 90~ STREET 1/4 NPT SS                  |
| 18   | 540001   | 10   | CLAMP, 2" STANDARD WORM SCREW                 |
| 19   | 540014   | 11   | CLAMP, HOSE SS 1" #16                         |
| 20   | 540016   | 1    | CLAMP, 1-1/2" SS                              |
| 21   | 596115M  | 5    | BOLT, HH 5/16-18X1 GR5 MAGNI                  |
| 22   | 596236M  | 5    | NUT, CENTERLOCK, 5/16-18 MAGNI                |
| 23   | 596257M  | 5    | WASHER, FLAT 5/16 USS MAGNI                   |
| 24   | 790020   | 1    | GAUGE, FAST LOGO 160PSI                       |

## Wilger Monitors Assembly, 23 Row



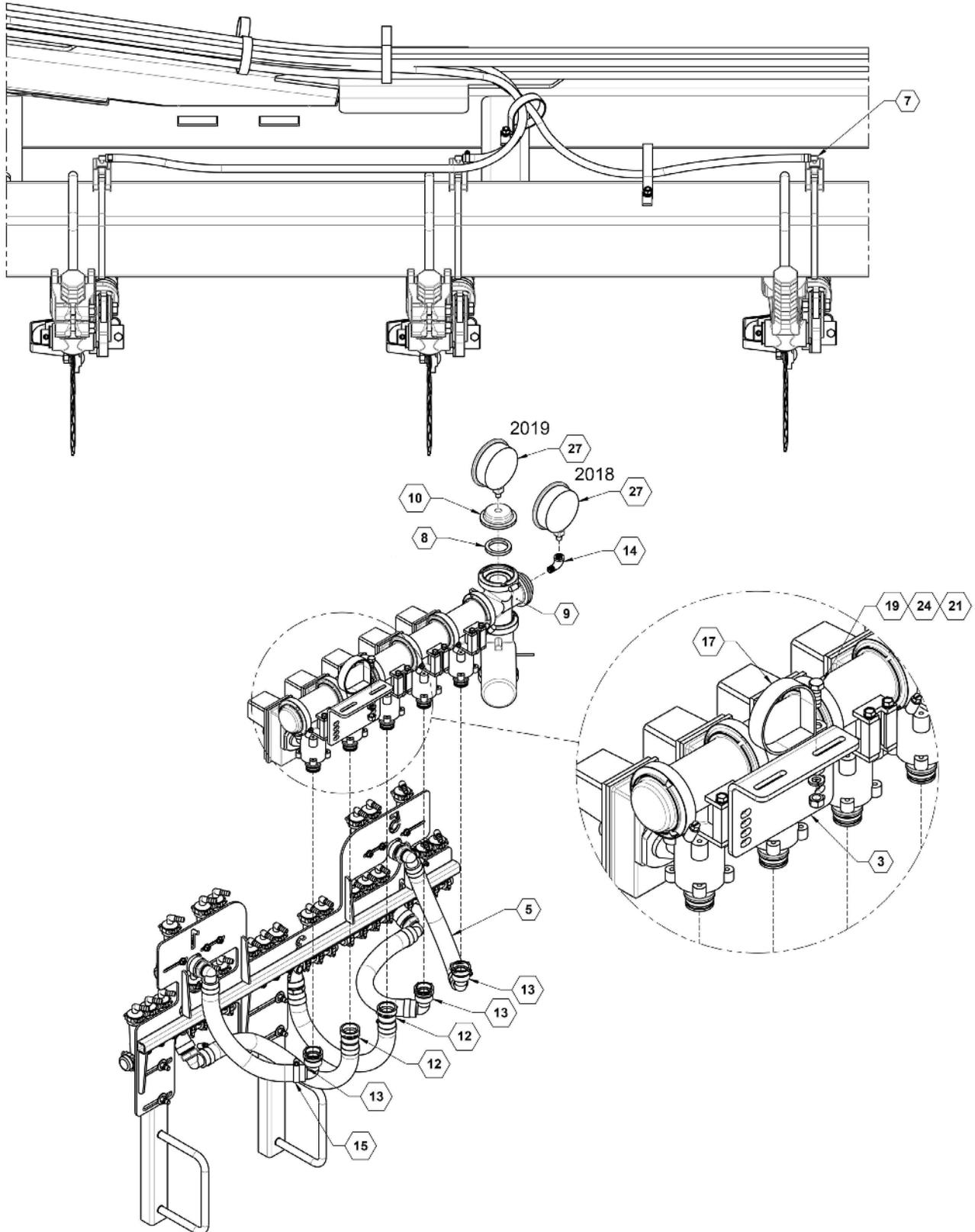


## ILLUSTRATED PARTS LIST

### Wilger Monitors Assembly, 23 Row Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                                   |
|------|----------|------|---|
| 1    | 27289    | 1    | ASSEMBLY, WILGER MONITORS, 23 ROW             |
| 2    | 27293    | 2    | TUBE, WILGER MOUNT                            |
| 4    | 500027   | 1.25 | VALVE 450BEC MANIFOLD (NARROW) (NON-FLOWBACK) |
| 4    | 500028   | 1.25 | VALVE 450BEC MANIFOLD (WIDE) (NON-FLOWBACK)   |
| 6    | 510020   | 1    | HOSE, 3/8" EPDM - 404FT                       |
| 16   | 540032   | 46   | CLAMP, HOSE 5/16"                             |
| 18   | 590061   | 2    | U-BOLT, 5/8 X 7" X 5"                         |
| 20   | 596131M  | 4    | BOLT, HH 3/8-16X2-1/2 GR5 MAGNI               |
| 22   | 596216M  | 4    | NUT, HEX 5/8-11 MAGNI                         |
| 23   | 596237M  | 4    | NUT, CENTERLOCK 3/8-16 MAGNI                  |
| 25   | 596253M  | 4    | LOCKWASHER 5/8 MAGNI                          |
| 26   | 596258M  | 4    | WASHER, FLAT 3/8 MAGNI                        |

## Wilger Monitors Assembly, 23 Row



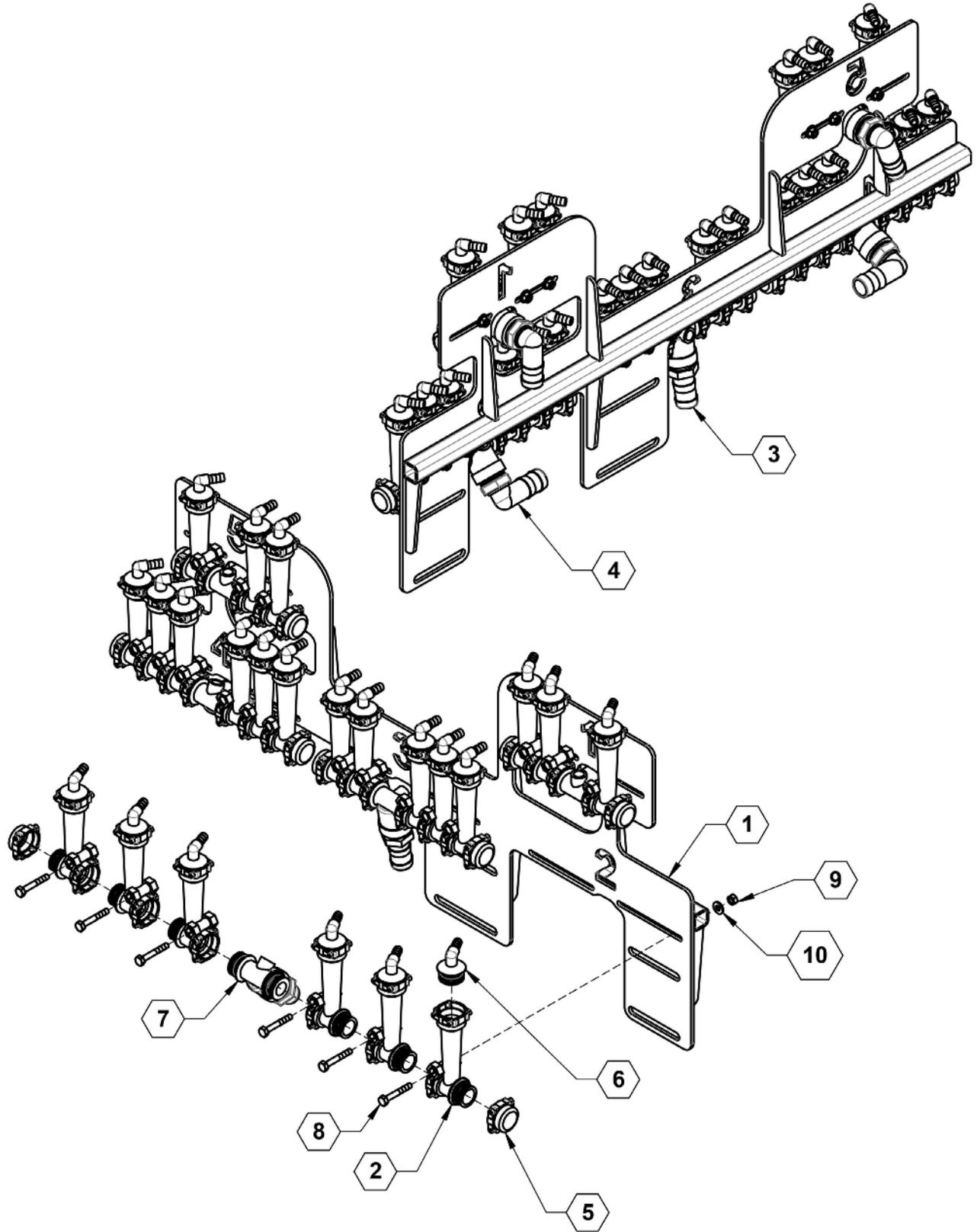


## ILLUSTRATED PARTS LIST

### Wilger Monitors Assembly, 23 Row Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                    |
|------|----------|------|--------------------------------|
| 3    | 27298    | 1    | PLATE, HOSE REST               |
| 5    | 510016   | 1    | HOSE, 1" EPDM - 10FT           |
| 7    | 520067   | 23   | NOZZLE, 3/8" HOSE SHANK 90 DEG |
| 8    | 530014   | 1    | GASKET, 1-1/2" EPDM            |
| 9    | 530090   | 1    | FLANGED CROSS 2"               |
| 10   | 530093   | 1    | MANIFOLD PLUG, 2"              |
| 10   | 530094   | 1    | MANIFOLD PLUG, 2" , WITH HOLE  |
| 12   | 530189   | 2    | QUICK CONNECT 1" STRAIGHT BARB |
| 13   | 530190   | 3    | QUICK CONNECT 1" HB 90         |
| 14   | 530246   | 1    | ELBOW, 90~ STREET 1/4 NPT SS   |
| 15   | 540014   | 10   | CLAMP, HOSE SS 1" #16          |
| 17   | 540052   | 1    | P-CLAMP, 3" WITH 3/8" HOLE     |
| 19   | 596128M  | 1    | BOLT, HH 3/8-16 X 1 GR5 MAGNI  |
| 21   | 596213M  | 1    | NUT, HEX 3/8-16 MAGNI          |
| 24   | 596250M  | 1    | LOCKWASHER 3/8 MAGNI           |
| 27   | 790020   | 1    | GAUGE, FAST LOGO 160PSI        |

## Wilger Monitors, 23 Row



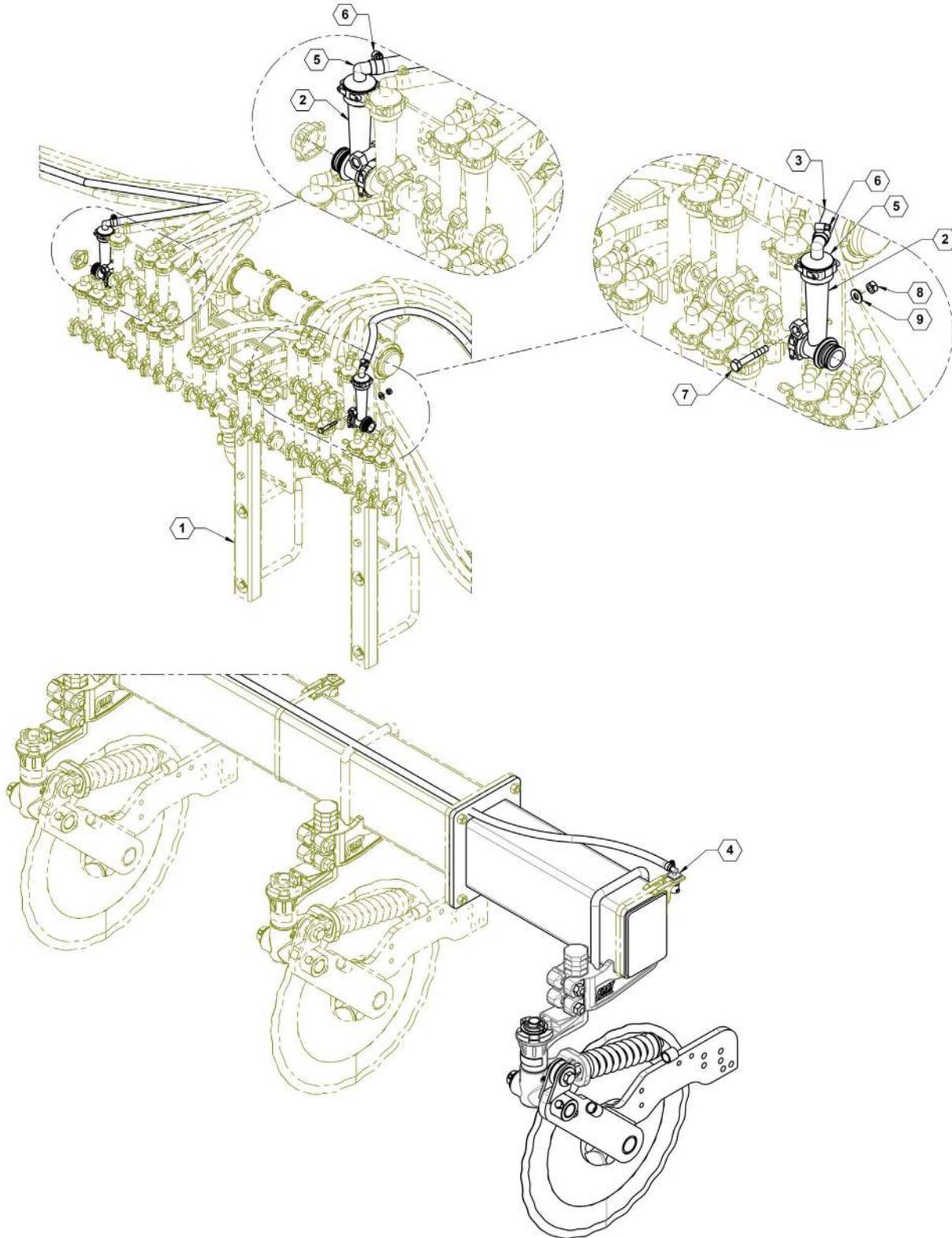


## ILLUSTRATED PARTS LIST

### Wilger Monitors, 23 Row Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 27294    | 1    | WILGER MONITORS 23-25 BRACKET         |
| 2    | 500073   | 23   | WILGER FLOW MONITOR BODY              |
| 3    | 530041   | 1    | FITTING, 1" MPT X 1" HOSE BARB        |
| 4    | 530044   | 4    | HOSE SHANK, 1" MPT X 1" 90 DEGREE     |
| 5    | 530457   | 10   | WILGER ORS CAP                        |
| 6    | 530458   | 23   | WILGER ORS X 3/8" HOSE BARB 90 DEGREE |
| 7    | 530459   | 5    | ORS M X ORS M X 1"NPT TEE             |
| 8    | 596104M  | 23   | BOLT, HH 1/4-20 X 1-3/4 GR5 MAGNI     |
| 9    | 596767M  | 23   | NUT, FLANGE, 1/4-20 MAGNI             |
| 9    | 596235M  | 23   | NUT, CENTERLOCK, 1/4-20 MAGNI         |

## Wilger Monitors, 25 Row





## ILLUSTRATED PARTS LIST

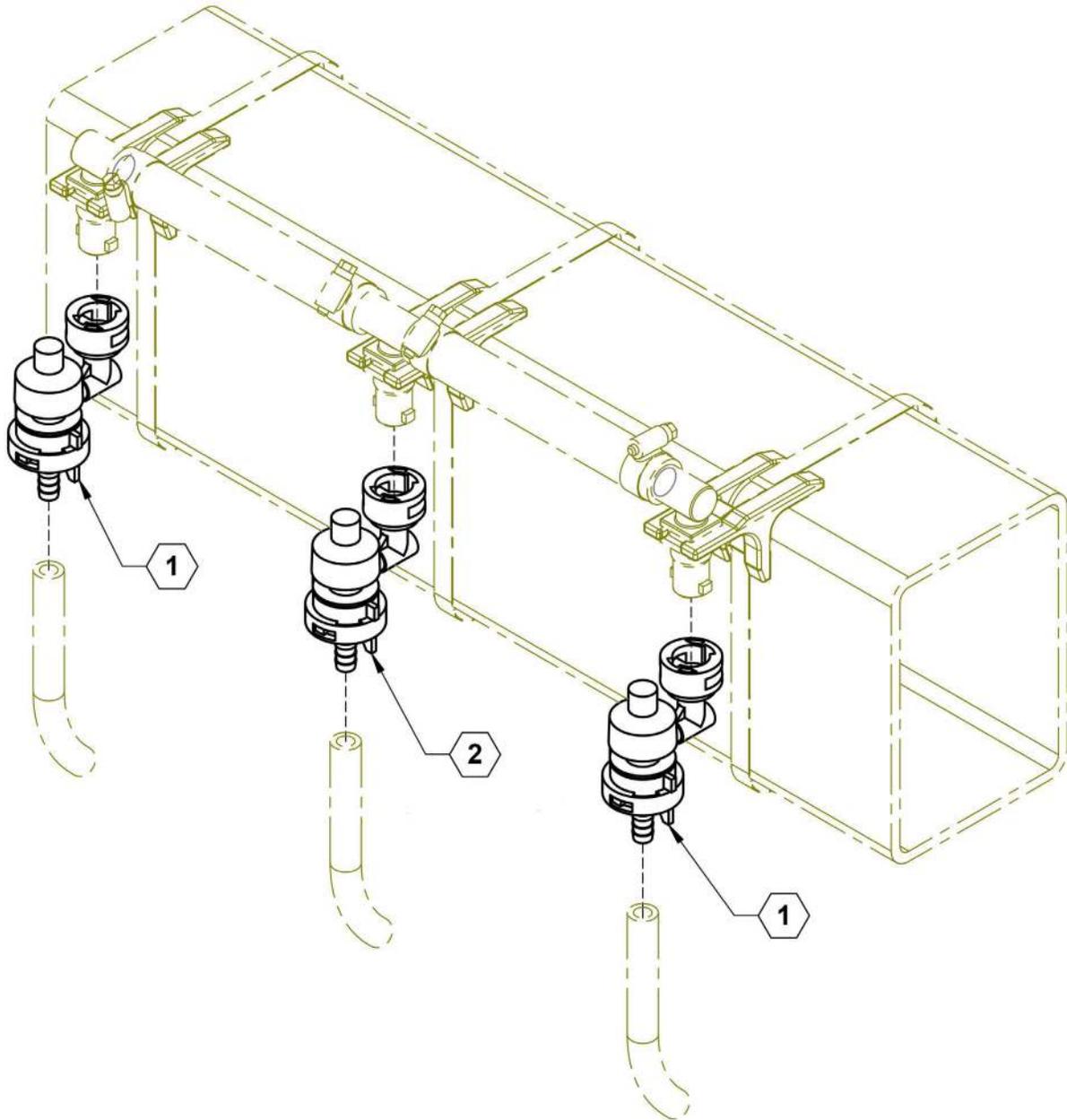
### Wilger Monitors, 25 Row Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                        |
|------|----------|------|------------------------------------|
| 1    | 27295    | 1    | ASSEMBLY, 23 ROW WILGER MONITORS   |
| 2    | 500073   | 2    | WILGER FLOW MONITOR BODY           |
| 3    | 510020   | 1    | HOSE, 3/8" EPDM - 67'              |
| 4    | 520067   | 2    | NOZZLE, 3/8" HOSE SHANK 90 DEG     |
| 5    | 530458   | 2    | WILGER ORS X 3/8" HOSE BARB 90 DEG |
| 6    | 540032   | 4    | CLAMP, HOSE 5/16"                  |
| 7    | 596104M  | 2    | BOLT, HH 1/4-20X1-3/4 GR5 MAGNI    |
| 8    | 596235M  | 2    | NUT, CENTERLOCK, 1/4-20 MAGNI      |
| 9    | 596256M  | 2    | WASHER, FLAT 1/4 USS MAGNI         |



# ILLUSTRATED PARTS LIST

## Varitarget Nozzles, .5 Rate





## ILLUSTRATED PARTS LIST

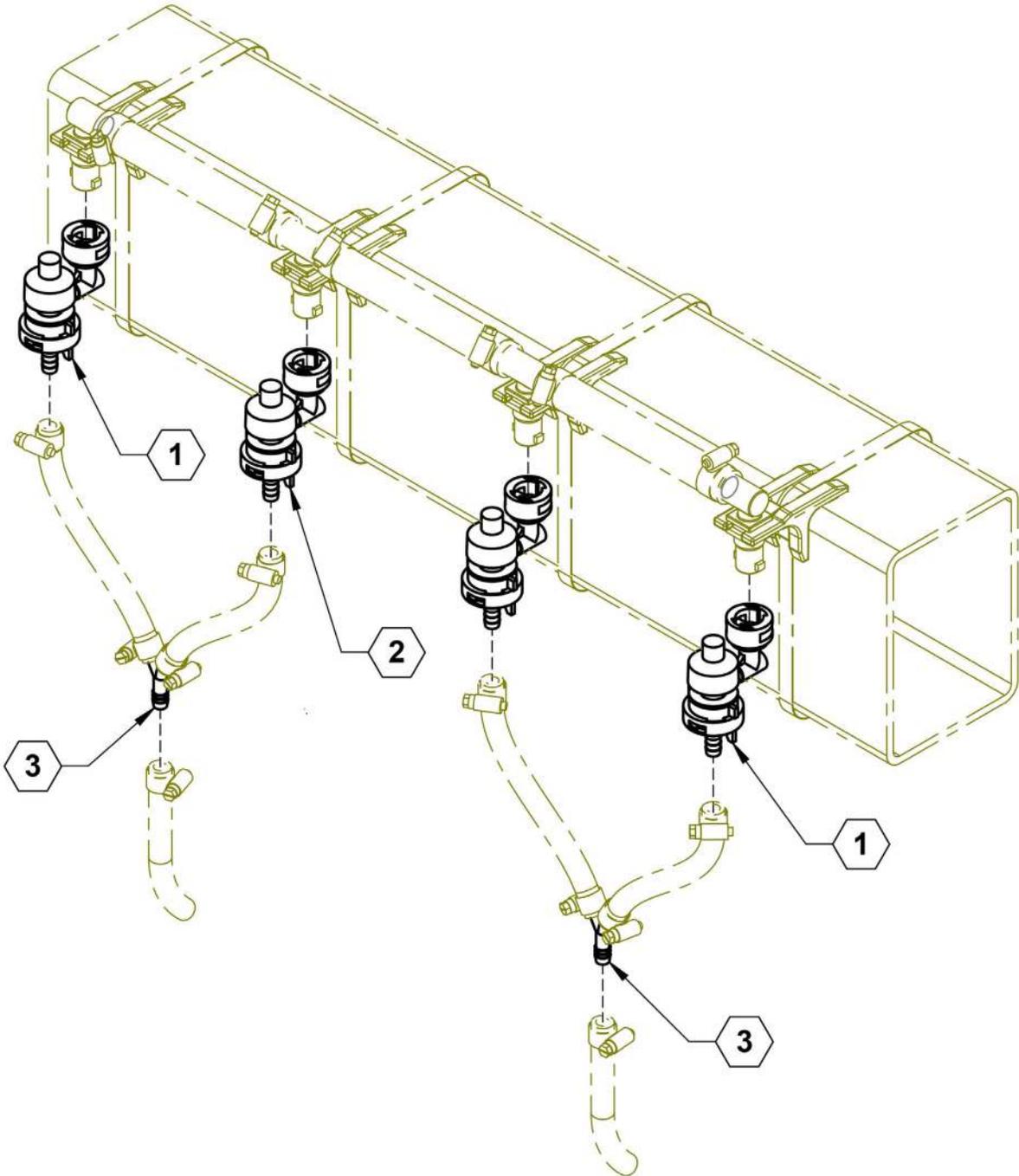
### Varitarget Nozzles, .5 Rate Parts List

| ITEM | PART NO. | QTY.          | DESCRIPTION            |
|------|----------|---------------|------------------------|
| 1    | 520053   | 2             | VERIFLOW BLUE TIP      |
| 2    | 520054   | 1 PER COULTER | HI VERIFLOW YELLOW TIP |



# ILLUSTRATED PARTS LIST

## Varitarget Nozzles, 1.5 Rate





## ILLUSTRATED PARTS LIST

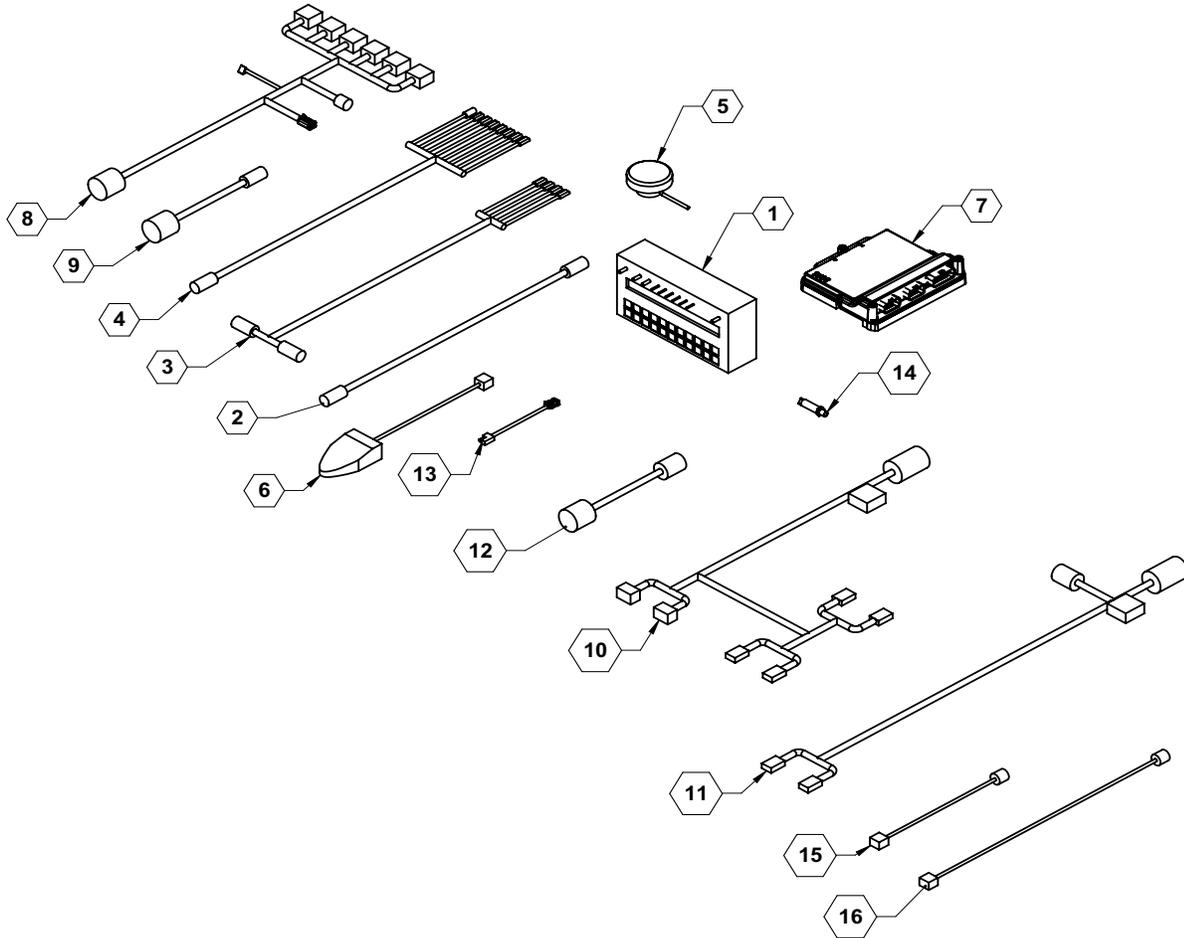
### Varitarget Nozzles, 1.5 Rate Parts List

| ITEM | PART NO. | QTY.          | DESCRIPTION              |
|------|----------|---------------|--------------------------|
| 1    | 520053   | 2             | VERIFLOW BLUE TIP        |
| 2    | 520054   | 1 PER COULTER | HI VERIFLOW YELLOW TIP   |
| 3    | 530372   | 2             | 3/8" HOSE BARB Y FITTING |



# ILLUSTRATED PARTS LIST

## Raven Components





## ILLUSTRATED PARTS LIST

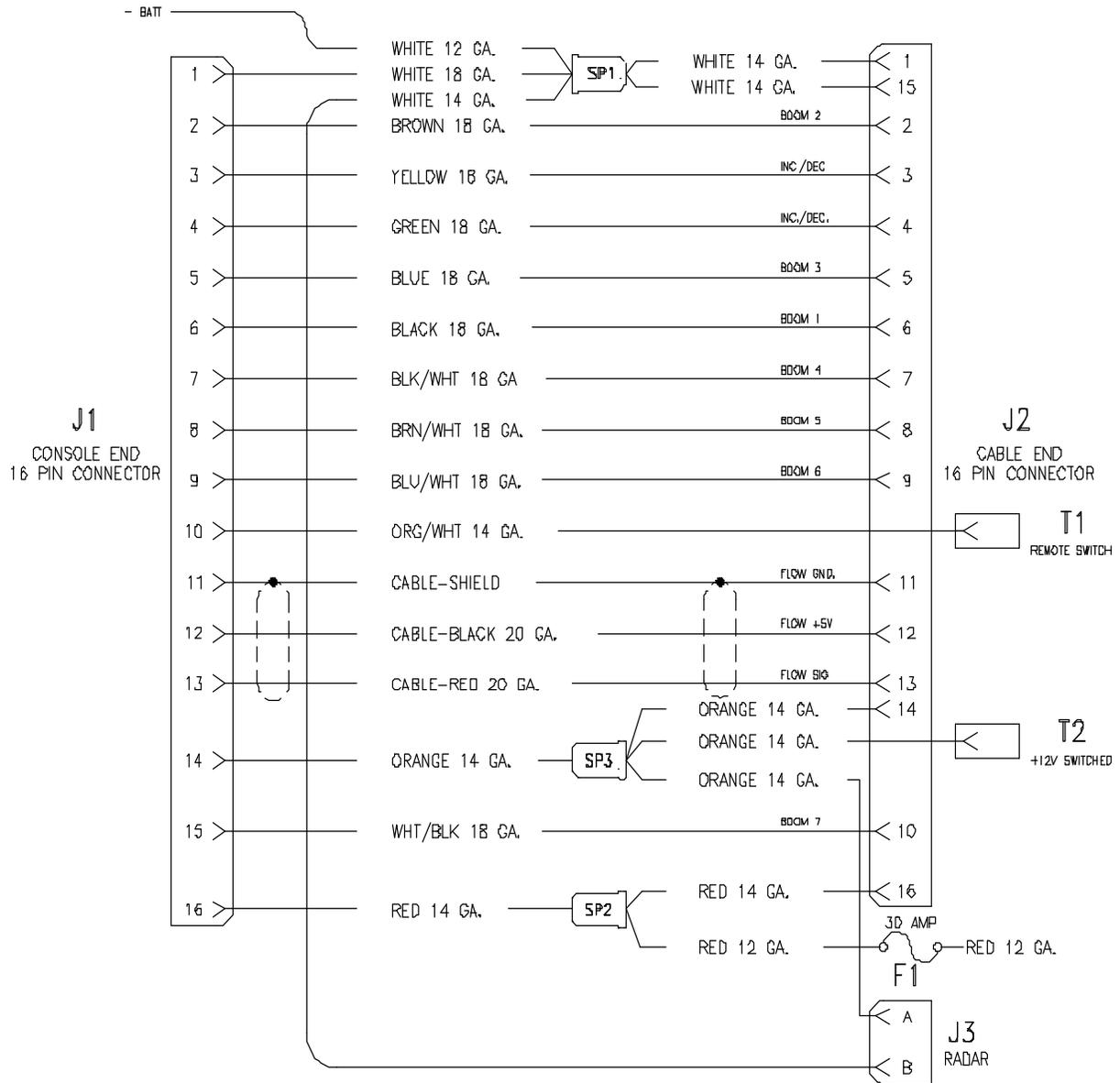
### Raven Components Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 631803   | AR   | 6 SECTION 450 CONSOLE                 |
| 2    | 631814   | AR   | 12' 16 PIN EXTENSION CABLE            |
| 3    | 631818   | AR   | 10' 440/450 CONSOLE CABLE             |
| 4    | 631819   | AR   | 16 PIN 6 SECTION CABLE                |
| 5    | 631832   | AR   | GPS SPEED SENSOR                      |
| 6    | 631856   | AR   | FOOTSWITCH                            |
| 7    | 632010   | AR   | RCM                                   |
| 8    | 632027   | AR   | 47 PIN 6 SECTION CABLE                |
| 9    | 632028   | AR   | 47 PIN TO 16 PIN ADAPTER              |
| 10   | 632029   | AR   | 47 PIN RCM Y-CABLE                    |
| 11   | 632031   | AR   | 12' ISO TO IBIC CABLE                 |
| 12   | 632033   | AR   | 47 PIN TO 37 PIN ADAPTER              |
| 13   | 632034   | AR   | TRAILER TO DEUTSCH PLUG ADAPTER CABLE |
| 14   | 632036   | AR   | PRESSURE TRANSDUCER                   |
| 15   | 632061   | AR   | CABLE, FOOTSWITCH, 12'                |
| 16   | 632062   | AR   | CABLE, FOOTSWITCH, 23'                |
| NS   | 631802   | AR   | 3 SECTION 440 CONSOLE                 |



# ILLUSTRATED PARTS LIST

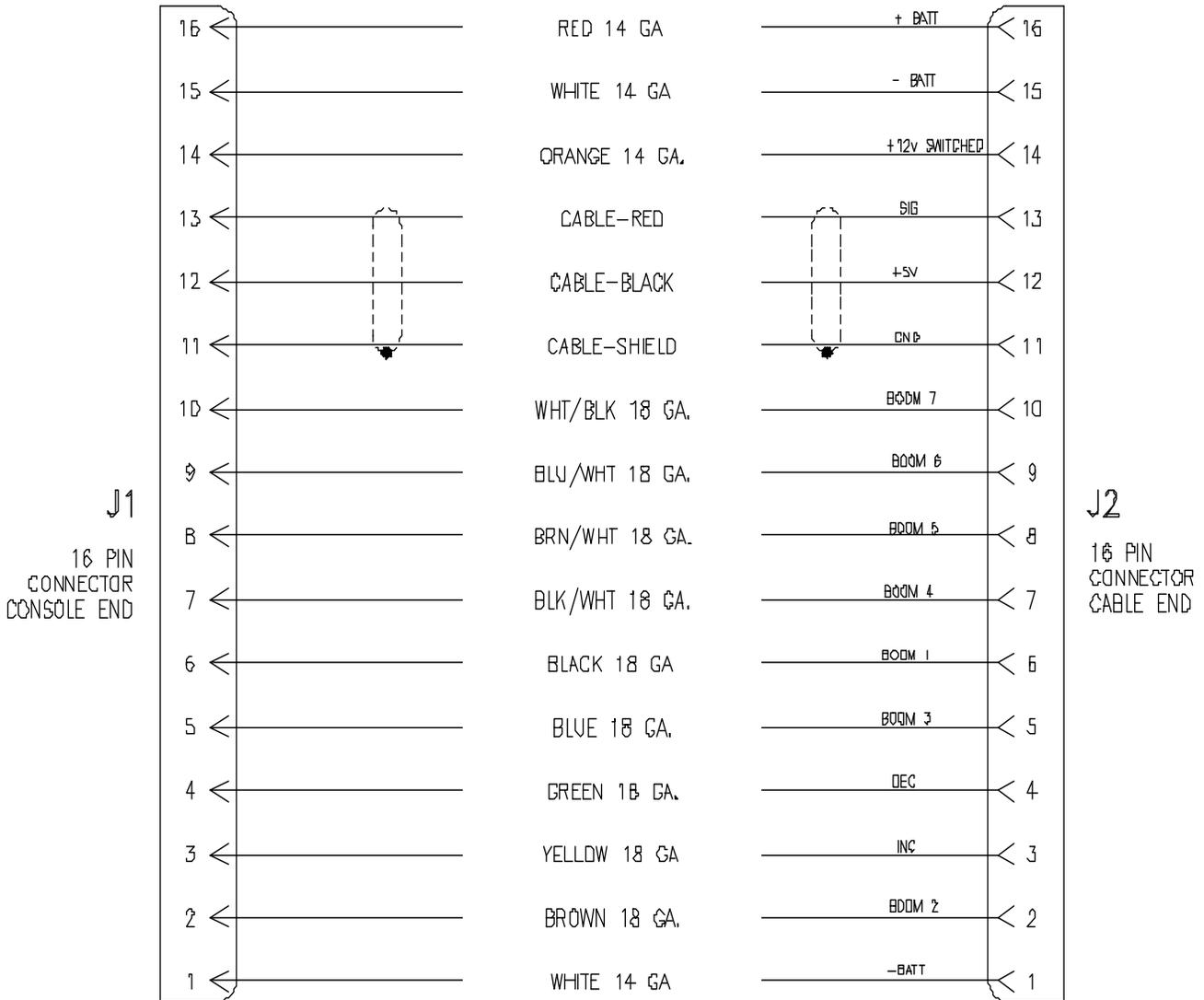
## Control Harness 155-0171-085





# ILLUSTRATED PARTS LIST

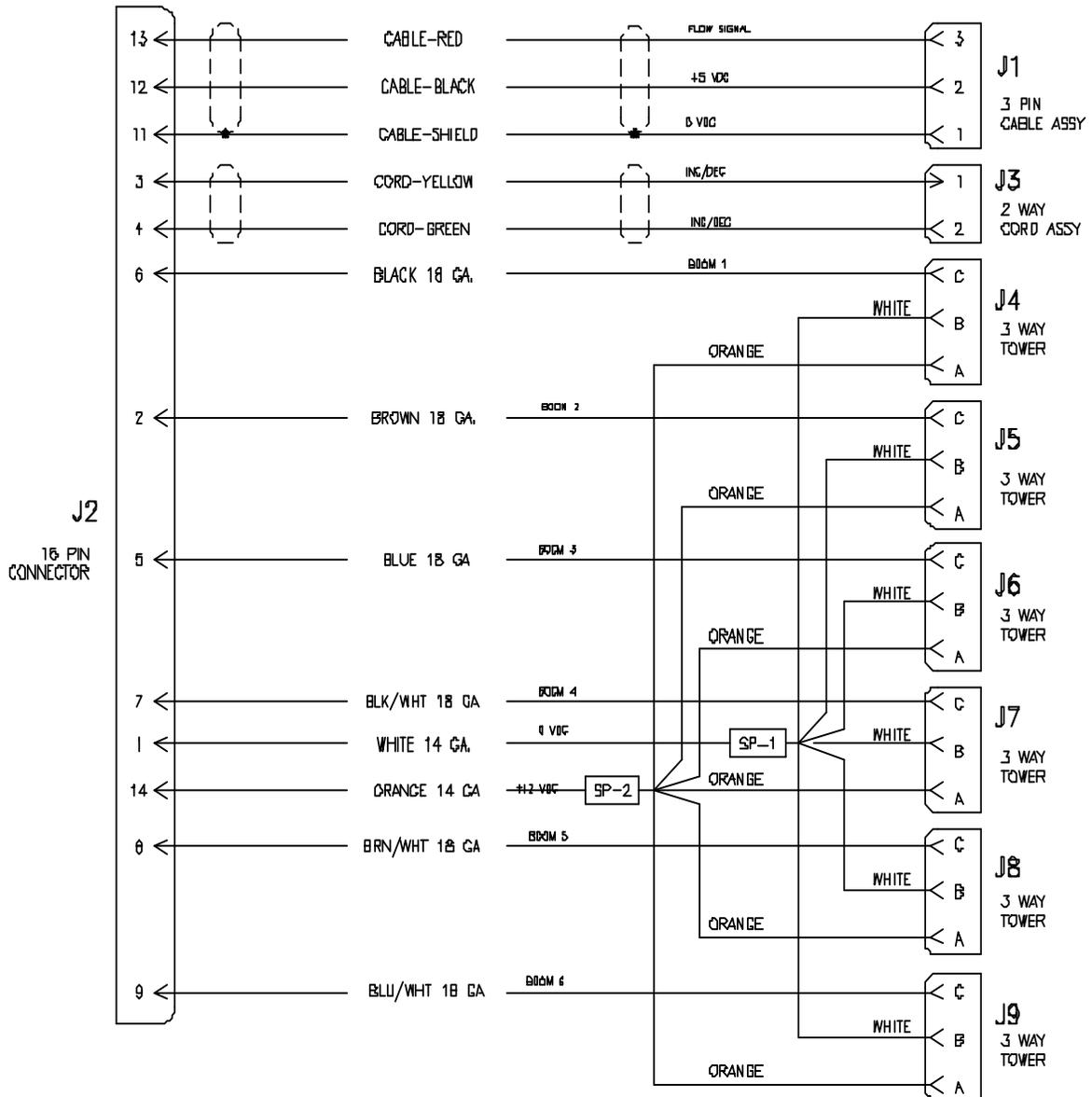
## Control Harness 155-0159-856



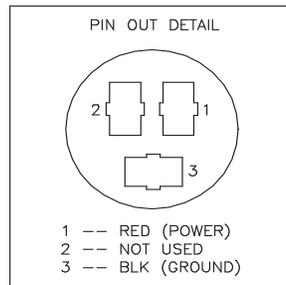
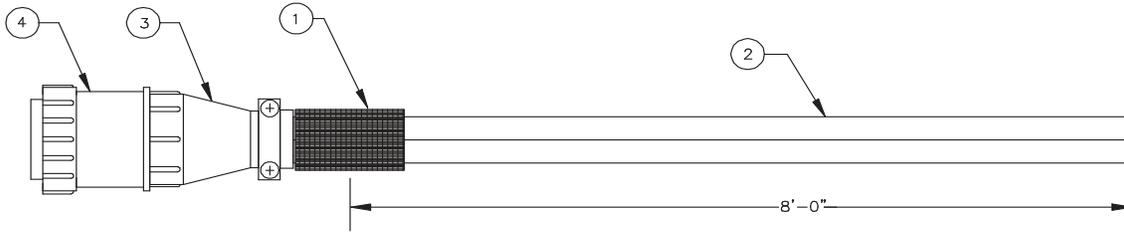


# ILLUSTRATED PARTS LIST

## Control Harness 155-0171-086



## Wiring Harness



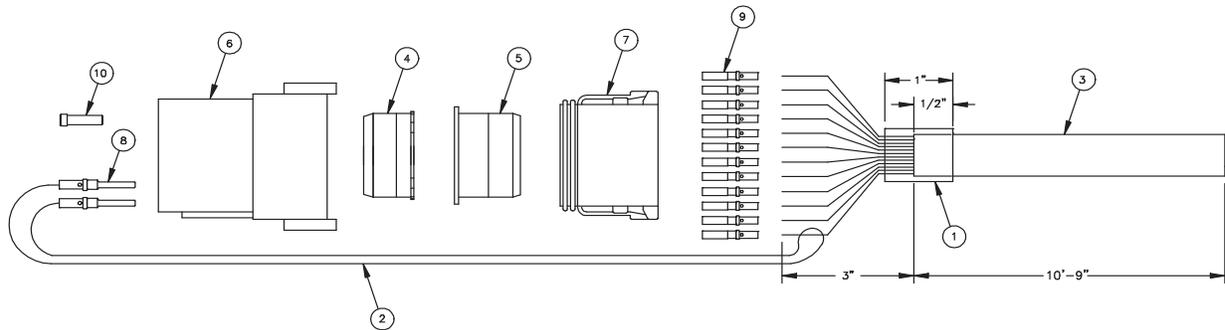
## Wiring Harness Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION               |
|------|----------|------|---------------------------|
| 1    | 230-250  | 2"   | SHRINK TUBING .250 BLACK  |
| 2    | 252-021  | 8'   | WIRE RED/BLACK 16 GA ZIP  |
| 3    | 255-043  | 1    | CENTER 16 PIN SHELL #17   |
| 4    | 255-233  | 1    | CENTER AMP SOCKET         |
| 5    | 255-549  | 1    | CENTER SERIES 3 17-3 PLUG |

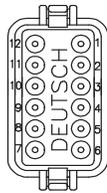


# ILLUSTRATED PARTS LIST

## Harness Connector

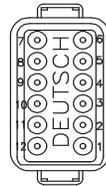


PIN OUT DETAIL FOR PLUG



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

PIN OUT DETAIL FOR RECEPT



- 1-CAVITY PLUG
- 2-CAVITY PLUG
- 3-CAVITY PLUG
- 4-CAVITY PLUG
- 5-CAVITY PLUG
- 6-CAVITY PLUG
- 7-CAVITY PLUG
- 8-CAVITY PLUG
- 9-CAVITY PLUG
- 10-CAVITY PLUG
- 11-BLK WIRE
- 12-BLK WIRE

## Harness Connector Parts List

| Item | Vendor Part NO. | Qty. | Description                     |
|------|-----------------|------|---------------------------------|
| 1    | 231-009         | 1"   | SHRINK TUBING .500 BLACK        |
| 2    | 252-058         | 12"  | WIRE BLACK 18 GA                |
| 3    | 252-064         | 11'  | CABLE 12 CON 18 GA PVC GREY     |
| 4    | 255-214         | 1    | CONN DUET LOCK WEDGE 12 PIN DTR |
| 5    | 255-215         | 1    | CENTER LOCK WEDGE 12 PIN DTR    |
| 6    | 255-755         | 1    | CONN DUET DT RCPT 12 PIN KEY A  |
| 7    | 255-756         | 1    | CONN DUET DT PLUG 12 PIN KEY A  |
| 8    | 255-977         | 2    | CONN DUET PIN 16-18 GA          |
| 9    | 255-978         | 12   | CENTER DUETSCH SOCKET 16/18 GA. |
| 10   | 255-979         | 10   | CONN DUET CAVITY PLUG           |



# ILLUSTRATED PARTS LIST

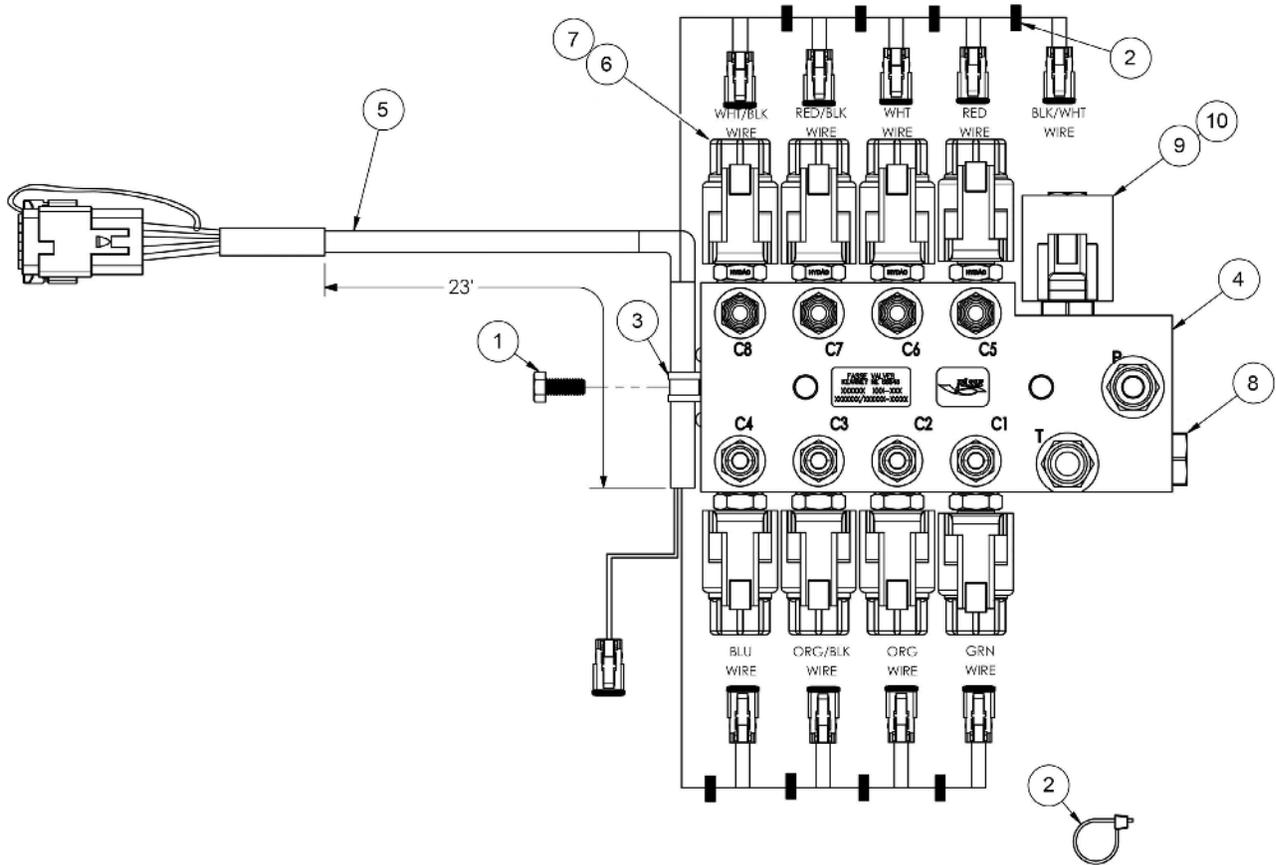
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# ILLUSTRATED PARTS LIST

## Hydraulic Block Assembly



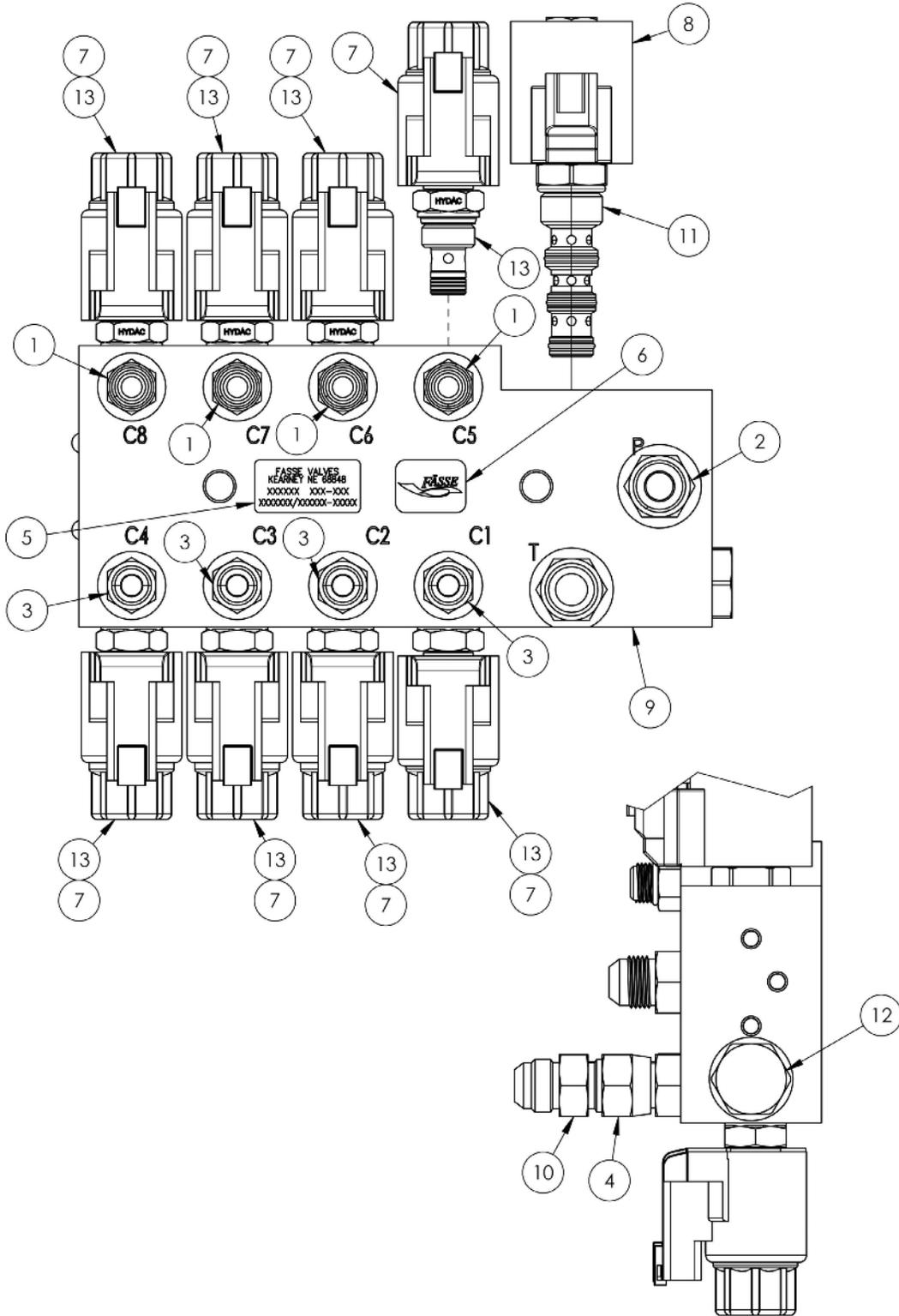


# ILLUSTRATED PARTS LIST

## Hydraulic Block Assembly Parts List

| ITEM | PART NO. | VENDOR PART NO. | QTY. | DESCRIPTION                                   |
|------|----------|-----------------|------|---|
| 0    |          | 303-228         | 1    | HYDRAULIC BLOCK ASSEMBLY (ITEMS 1-10)         |
| 1    |          | 212-025         | 1    | BOLT 5/16"-18X.75"                            |
| 2    |          | 214-002         | 11   | CABLE TIE BLACK 8.5"                          |
| 3    |          | 255-026         | 1    | LOOM CLAMP .50"ID                             |
| 4    |          | 302-822         | 1    | HYDRAULIC BLOCK                               |
| 5    |          | 304-143         | 1    | COIL HARNESS ASSEMBLY                         |
| 6    |          | 273-077         | 8    | CARTRIDGE HY WS08W-01-C-N-0-BL DIR POP 2/2 NC |
| 7    |          | 253-046         | 8    | COIL HY 03012600 12V 1.5A                     |
| 8    |          | 273-012         | 1    | CARTRIDGE H/F CP10-20-N CAVITY PLUG 2W        |
| 9    |          | 273-008         | 1    | CARTRIDGE SV10-40-0-N-00                      |
| 10   |          | 253-421         | 1    | COIL H/F 4301892 D-10 12V 1.67A DIODE         |

## Hydraulic Block





## ILLUSTRATED PARTS LIST

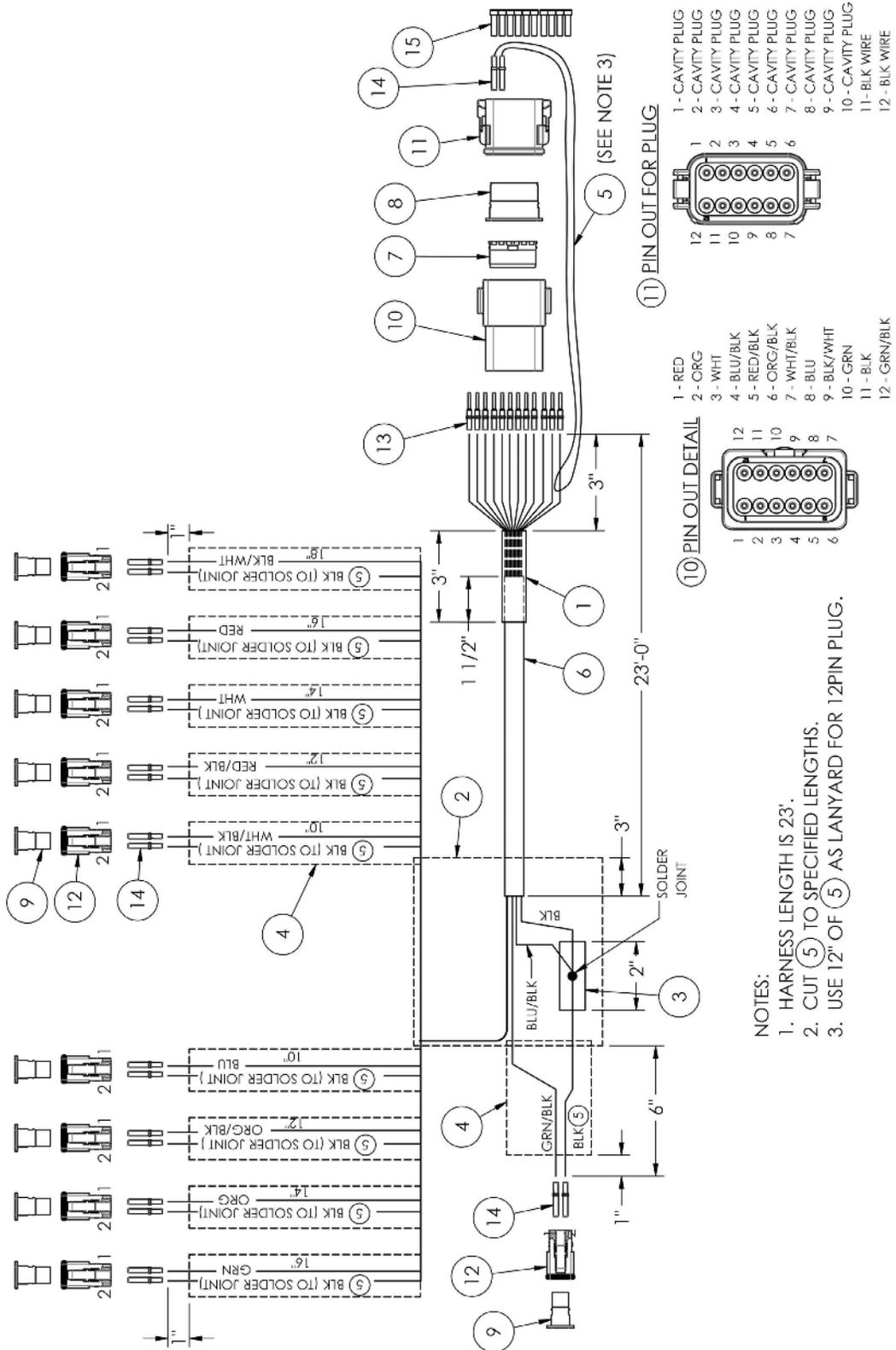
### Hydraulic Block Parts List

| ITEM | PART NO. | VENDOR PART NO. | QTY. | DESCRIPTION   |
|------|----------|-----------------|------|---|
| 0    |          | 302-822         | 1    | HYDRAULIC BLOCK (ITEMS 1-13)                        |
| 1    |          | 210-393         | 4    | FITTING 6400-6-6/S-MJ-MO ZINC NICKEL PLATED         |
| 2    |          | 210-398         | 1    | FITTING 6400-8-8/S-MJ-MO ZINC NICKEL PLATED         |
| 3    |          | 210-440         | 4    | FITTING 6400L-6-6/S-MJ-MO ZINC NICKEL PLATED        |
| 4    |          | 210-441         | 1    | FITTING 6402-8-8/S-MO-FJSW                          |
| 5    |          | 232-050         | 1    | DECAL S/N SILVER                                    |
| 6    |          | 232-058         | 1    | DECAL FASSE BLACK/GOLD 1"X.75"                      |
| 7    |          | 253-046         | 8    | COIL HY 03012600 INTG DUET RCPT 12V 1.5A            |
| 8    |          | 253-421         | 1    | COIL H/F 4301892 D-10 INTG DEUT DTR 12V 1.67A DIODE |
| 9    |          | 270-092         | 1    | HYDRAULIC BLOCK S11204-2 4CIR AL BYPASS 804         |
| 10   |          | 271-040         | 1    | CHECK VALVE VON 1908-8-8/S-MJ-MJ ZINC NICKEL        |
| 11   |          | 273-008         | 1    | CARTRIDGE H/F SV10-40-0-N-00 SPL 4W 2P              |
| 12   |          | 273-012         | 1    | CARTRIDGE H/F CP10-20-N CAVITY PLUG 2W              |
| 13   |          | 273-077         | 8    | CARTRIDGE HY WS08W-01-C-N-0 BI DIR POP 2/2 NC       |



# ILLUSTRATED PARTS LIST

## Fasse Block Harness Block Assembly



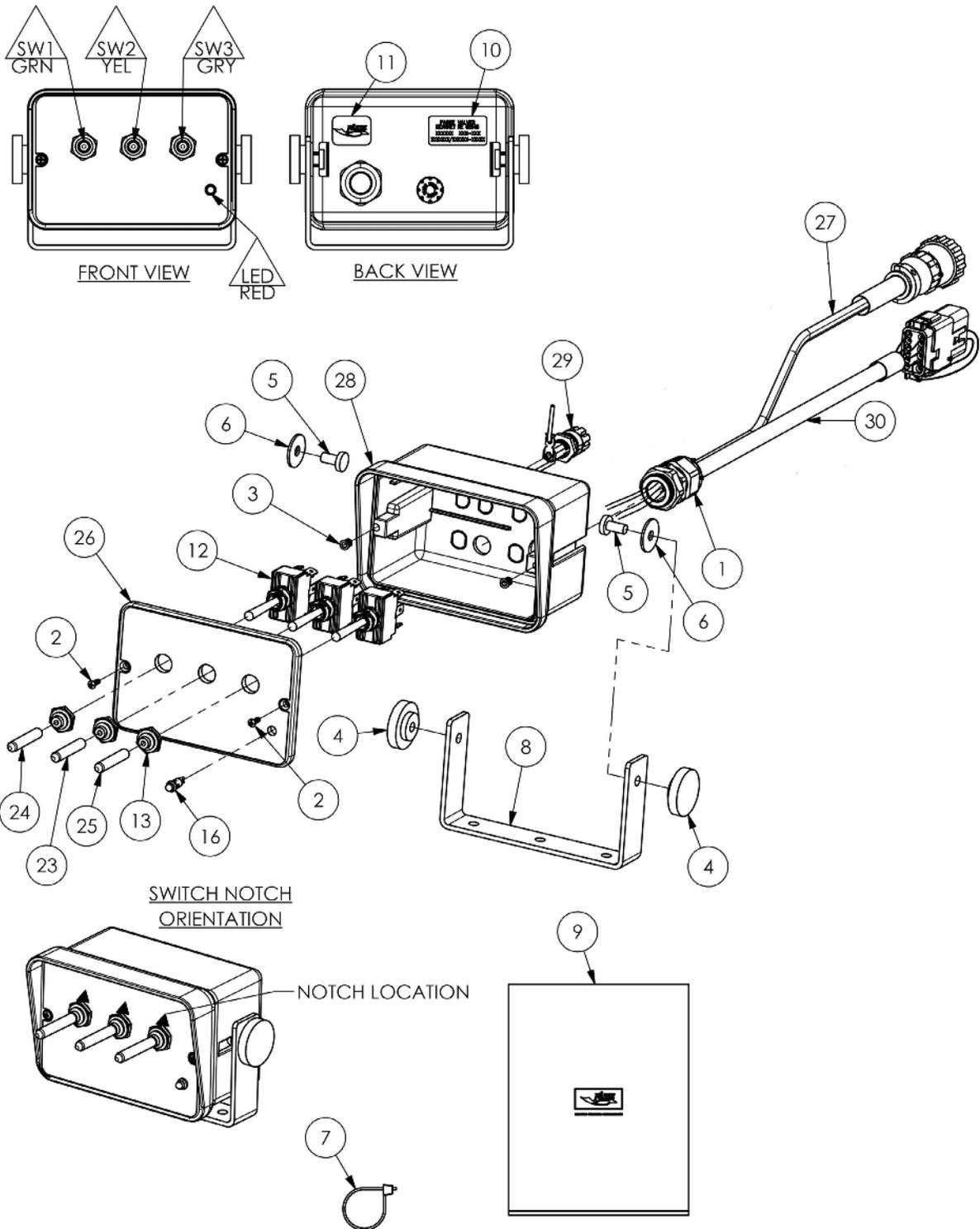


## ILLUSTRATED PARTS LIST

### Fasse Block Harness Parts List

| ITEM | PART NO. | VENDOR PART NO. | QTY. | DESCRIPTION                                    |
|------|----------|-----------------|------|--|
| 0    |          | 304-143         | 1    | FASSE VALVE HARNESS                            |
| 1    |          | 231-009         | 3"   | SHRINK TUBING .500" BLACK                      |
| 2    |          | 231-011         | 6"   | SHRINK TUBING .750" BLACK DUAL WALL            |
| 3    |          | 231-013         | 1"   | SHRINK TUBING .250" BLACK DUAL WALL            |
| 4    |          | 231-187         | 128" | SHRINK TUBING .187" BLACK                      |
| 5    |          | 252-058         | 14'  | WIRE 18GA BLACK                                |
| 6    |          | 252-064         | 25'  | CABLE 12CONNECTOR 18GA PVC GRAY                |
| 7    |          | 255-214         | 1    | CONNECTOR DEUTSCH LOCK WEDGE 12 PIN DTR GREEN  |
| 8    |          | 255-215         | 1    | CONNECTOR DEUTSCH LOCK WEDGE 12 PIN DTP ORANGE |
| 9    |          | 255-505         | 10   | CONNECTOR DEUTSCH LOCK WEDGE 2 PIN DTP ORANGE  |
| 10   |          | 255-755         | 1    | CONNECTOR DEUTSCH DT RCPT 12 PIN KEY A         |
| 11   |          | 255-756         | 1    | CONNECTOR DEUTSCH DT PLUG 12 PIN KEY A         |
| 12   |          | 255-801         | 10   | CONNECTOR DEUTSCH DT PLUG 2 PIN                |
| 13   |          | 255-977         | 12   | CONNECTOR DEUTSCH PIN 16-18GA                  |
| 14   |          | 255-978         | 22   | CONNECTOR DEUTSCH SOCKET 16-18GA               |
| 15   |          | 255-979         | 10   | CONNECTOR DEUTSCH CAVITY PLUG                  |

## Switch Box





# ILLUSTRATED PARTS LIST

## Switch Box Parts List

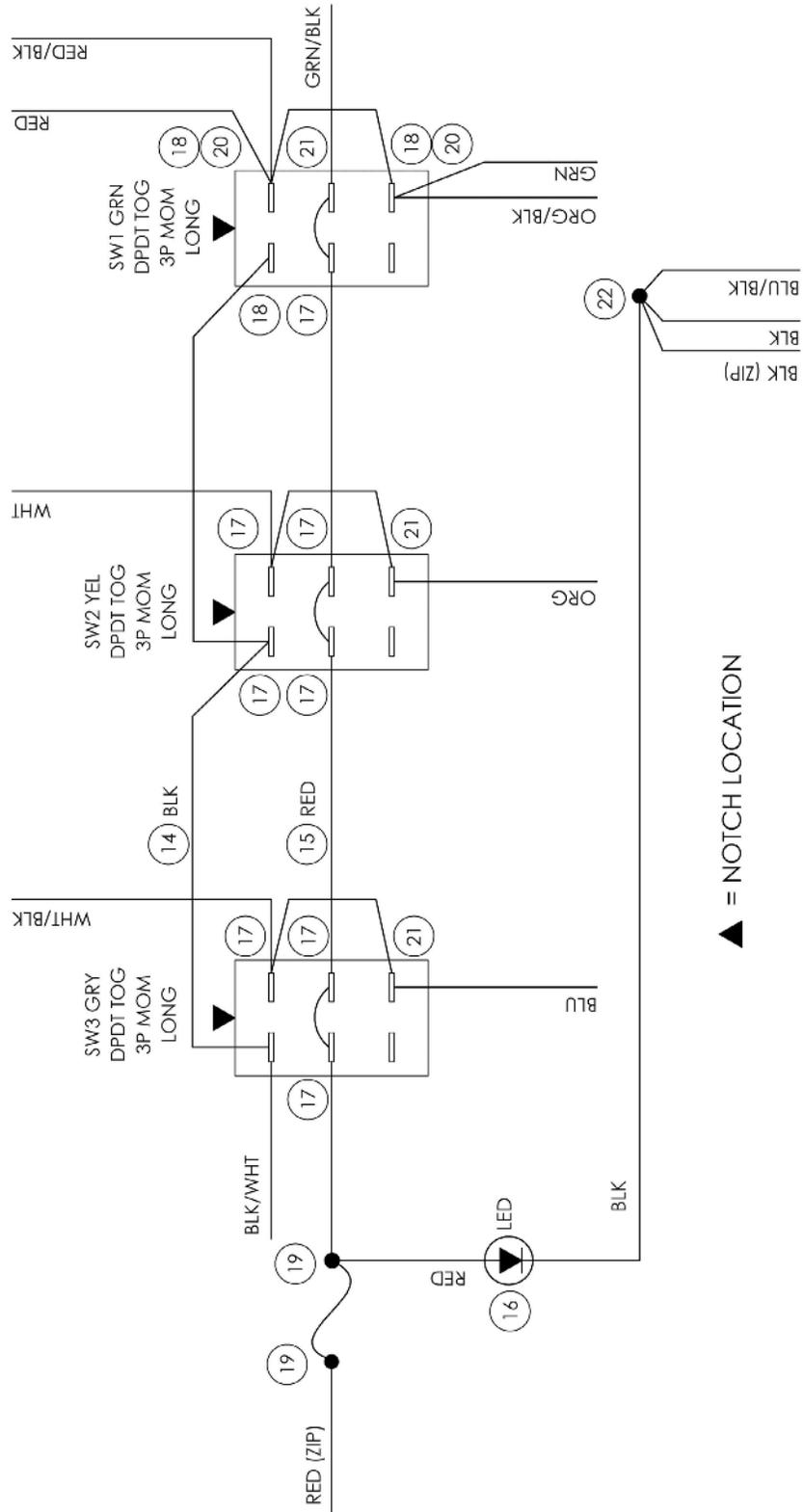
| ITEM | PART NO. | VENDOR PART NO. | QTY. | DESCRIPTION  |
|------|----------|-----------------|------|--|
| 0    |          | 304-141         | 1    | SWITCH BOX COMPLETE (ITEMS 1-30)                       |
| 1    |          | 210-710         | 1    | STRAIN RELIEF HEYCO .23"-.54"ID, HOLE DIAMETER .886"   |
| 2    |          | 212-184         | 2    | SCREW PHILLIPS PAN #6-32X3/8" BLACK                    |
| 3    |          | 212-202         | 2    | SCREW INSERT BRASS #6-32X3/8"                          |
| 4    |          | 212-215         | 2    | KNOB FEMALE 1/4"-20                                    |
| 5    |          | 212-231         | 2    | SCREW WELDED 1/4"-20X.625"                             |
| 6    |          | 213-335         | 2    | WASHER NYLON FLAT 1/4"-20                              |
| 7    |          | 214-002         | 3    | CABLE TIE BLACK 8.5"                                   |
| 8    |          | 219-300         | 1    | BRACKET, MONITOR BLACK ALUMINUM                        |
| 9    |          | 230-057         | 1    | BAG POLY 14X18 2MIL LOGO                               |
| 10   |          | 232-050         | 1    | DECAL S/N SILVER                                       |
| 11   |          | 230-058         | 1    | FASSE DECAL  |
| 13   |          | 250-023         | 3    | BOOT TOGGLE 15/32" OPEN BACK                           |
| 16   |          | 254-350         | 1    | LED RED T-1 3/4 PANEL MOUNT 12V 6" LEADS               |
| 23   |          | 259-022         | 1    | GRIP TOGGLE VINYL YELLOW .187"                         |
| 24   |          | 259-023         | 1    | GRIP TOGGLE VINYL GREEN .187"                          |
| 25   |          | 259-027         | 1    | GRIP TOGGLE VINYL GRAY .187"                           |
| 26   |          | 304-040         | 1    | ENCL DRILL FP MONITOR SW3 F00204                       |
| 27   |          | 304-001         | 1    | HARNESS 2 CON 14GA AMP PLUG 3P(2) 8'                   |
| 28   |          | 319-725         | 1    | ENCLOSED MONITOR BOX 4.75"X3"X2"                       |
| 29   |          | 319-769         | 1    | FUSE HOLDER ASSEMBLY AGC 10A 250V                      |
| 30   |          | 320-714         | 1    | HARNESS 12CON 18GA KEY A DTP12P(12) 11' END CAP F00204 |



# ILLUSTRATED PARTS LIST

## Switch Box

SWITCH WIRING DIAGRAM





## ILLUSTRATED PARTS LIST

### Switch Box Parts List

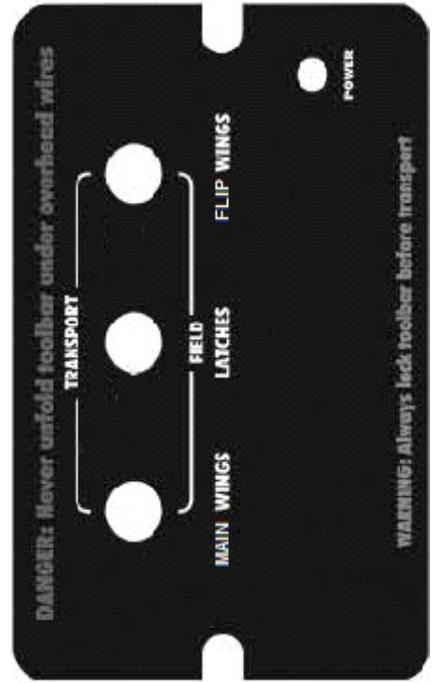
| ITEM | PART NO. | PART NO. | QTY. | DESCRIPTION                              |
|------|----------|----------|------|--|
| 0    |          | 304-141  | 1    | SWITCH BOX COMPLETE (ITEMS 1-30)         |
| 14   |          | 252-058  | 12"  | WIRE 18 GAUGE BLACK                      |
| 15   |          | 252-059  | 14"  | WIRE 18 GAUGE RED                        |
| 16   |          | 254-350  | 1    | LED RED T-1 3/4 PANEL MOUNT 12V 6" LEADS |
| 17   |          | 255-002  | 8    | TERMINAL PO T-TAP F 18-14GA              |
| 18   |          | 255-006  | 3    | TERMINAL PO F INS 22-18GA                |
| 19   |          | 255-030  | 2    | TERMINAL SPLICE CLOSED END 16-18GA       |
| 20   |          | 255-070  | 2    | TERMINAL PO M/F 16-14GA                  |
| 21   |          | 255-119  | 3    | TERMINAL PO F INS 16-14GA                |
| 22   |          | 255-285  | 1    | TERMINAL SPLICE CLOSED END LARGE 14-16GA |



# ILLUSTRATED PARTS LIST

## Control Box Operation and Pin-out

| Pin-out Table - A Series Fold Block |                  | (Correlates to Fasse 304-141 and 303-228, FAST p/n 630051) |                   | 700-0804-4004                          |                                    |                        |
|-------------------------------------|------------------|--|-------------------|--|------------------------------------|------------------------|
| Switch No.                          | Switch Positions | Signal Wires   | Pin-Out Locations | Hydraulic Valve Circuits Pressure Port | Hydraulic Valve Circuits Tank Port | Function               |
| 1 - Green                           | Up               | Red, Red/Black, Orange/Black, Green                        | 1, 5, 6, 10       | C1, C3                                 | C5, C7                             | Main Wings - Transport |
|                                     | Center           | Off  |                   |  |                                    | Off                    |
|                                     | Down             | Red, Red/Black, Orange/Black, Green, Black/White           | 1, 5, 6, 10, 9    | C7                                     | C3                                 | Main Wings - Field     |
| 2 - Yellow                          | Up               | White, Orange  | 3, 2              | C2                                     | C6                                 | Latches - Transport    |
|                                     | Center           | Off  |                   |  |                                    | Off                    |
|                                     | Down             | White, Orange, Black/White                                 | 3, 2, 9           | C6                                     | C2                                 | Latches - Field        |
| 3 - Grey                            | Up               | Blue, White/Black  | 8, 7              | C4                                     | C8                                 | Flip Wings - Transport |
|                                     | Center           | Off  |                   |  |                                    | Off                    |
|                                     | Down             | Blue, White/Black, Black/White                             | 8, 7, 9           | C8                                     | C4                                 | Flip Wings - Field     |
|                                     |                  | <b>Ground Wires</b>  |                   |  |                                    |                        |
|                                     |                  | Black  | 11                |  |                                    |                        |
|                                     |                  | Blue/Black   | 4                 |  |                                    |                        |
|                                     |                  | <b>Constant Power</b>                                      |                   |  |                                    |                        |
|                                     |                  | Green/Black  | 12                |  |                                    |                        |





# ILLUSTRATED PARTS LIST

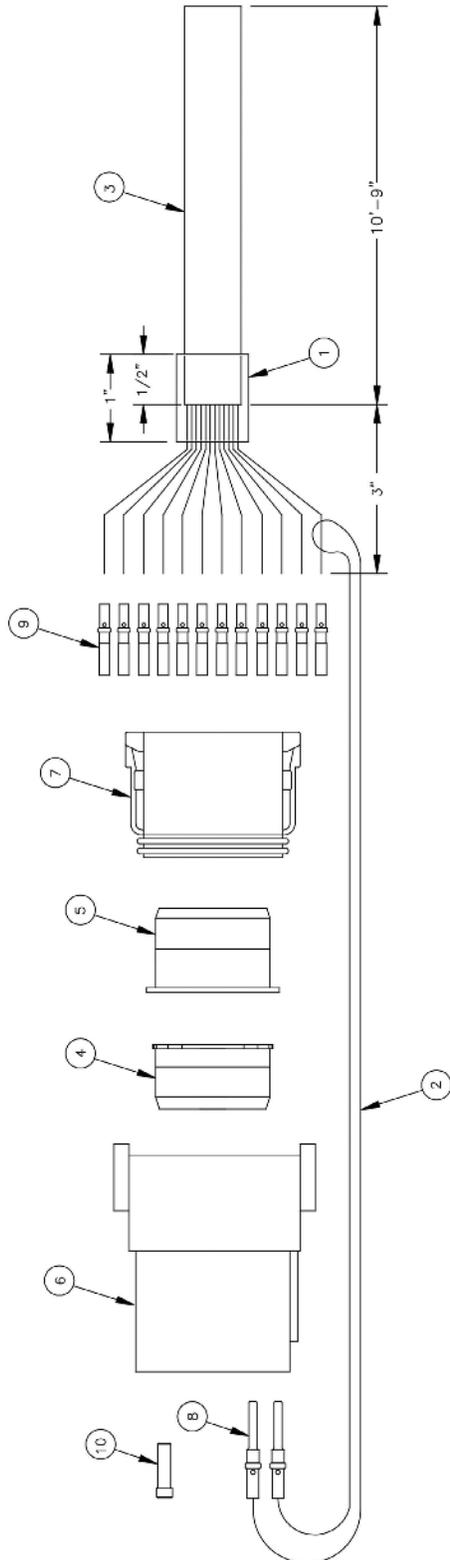
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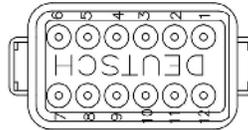
# ILLUSTRATED PARTS LIST

## Switch Box Harness



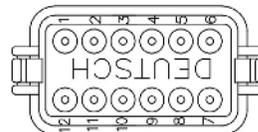
PIN OUT DETAIL FOR RECEPT

- 1-CAVITY PLUG
- 2-CAVITY PLUG
- 3-CAVITY PLUG
- 4-BLK WIRE
- 5-CAVITY PLUG
- 6-CAVITY PLUG
- 7-CAVITY PLUG
- 8-CAVITY PLUG
- 9-CAVITY PLUG
- 10-CAVITY PLUG
- 11-BLK WIRE
- 12-CAVITY PLUG



PIN OUT DETAIL FOR PLUG

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



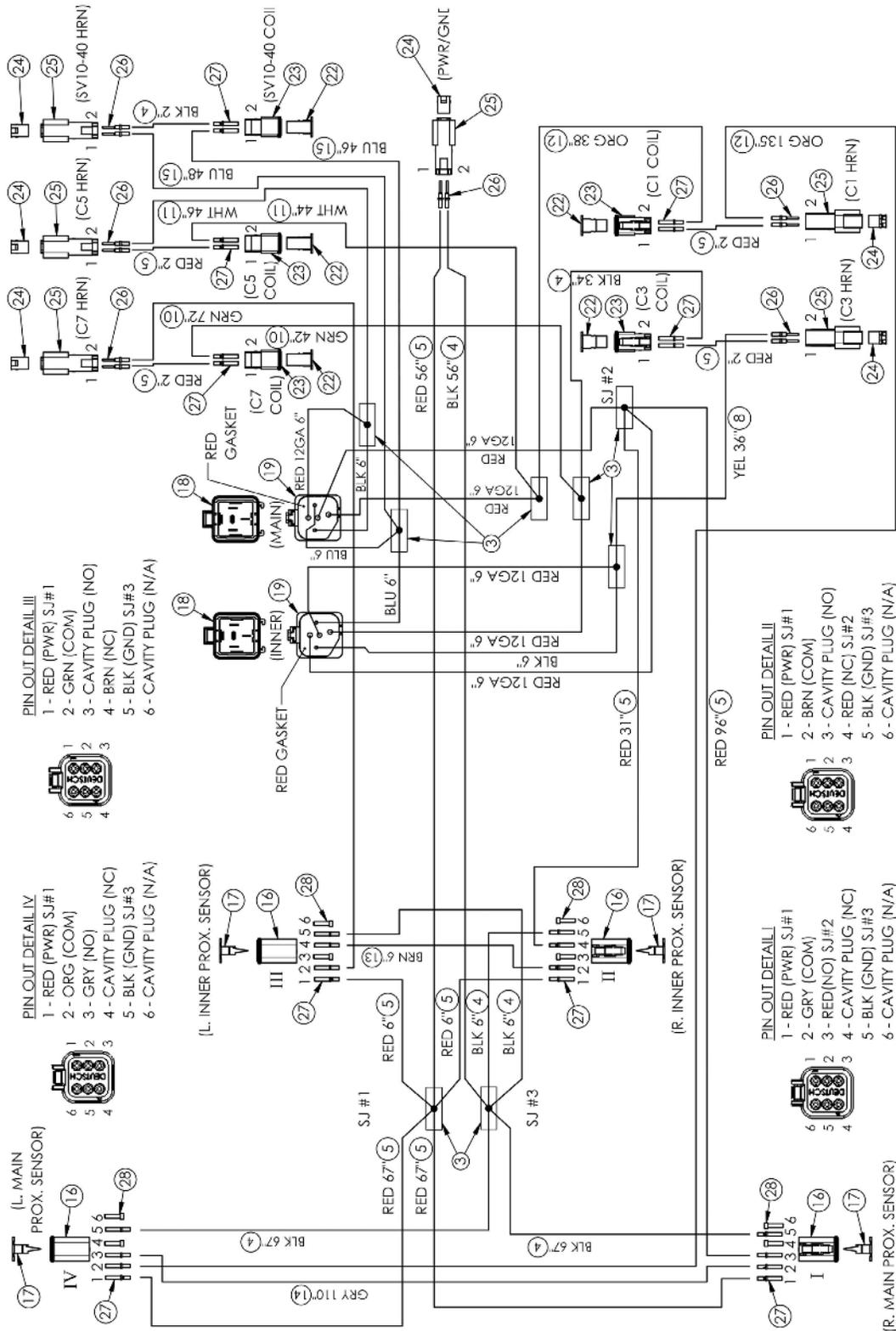


## ILLUSTRATED PARTS LIST

### Switch Box Harness Parts List

| ITEM | PART NO. | VENDOR PART NO. | QTY. | DESCRIPTION                                    |
|------|----------|-----------------|------|--|
| 0    |          | 320-714         | 1    | COMPLETE HARNESS (ITEMS 1-10)                  |
| 1    |          | 231-009         | 1"   | SHRINK TUBING .500" BLACK                      |
| 2    |          | 252-058         | 12"  | WIRE 18GA BLACK                                |
| 3    |          | 252-064         | 11'  | CABLE 12CONNECTOR 18GA PVC GRAY                |
| 4    |          | 255-214         | 1    | CONNECTOR DEUTSCH LOCK WEDGE 12 PIN DTR GREEN  |
| 5    |          | 255-215         | 1    | CONNECTOR DEUTSCH LOCK WEDGE 12 PIN DTP ORANGE |
| 6    |          | 255-755         | 1    | CONNECTOR DEUTSCH DT RCPT 12 PIN KEY A         |
| 7    |          | 255-756         | 1    | DT PLUG 12P KEY A                              |
| 8    |          | 255-977         | 2    | PIN 16-18GA                                    |
| 9    |          | 255-978         | 12   | SOCKET 16/18GA                                 |
| 10   |          | 255-979         | 10   | CAVITY PLUG                                    |

## Fold Protection Harness





# ILLUSTRATED PARTS LIST

## Fold Protection Harness Parts List

| ITEM | PART NO. | VENDOR PART NO. | QTY. | DESCRIPTION                                  |
|------|----------|-----------------|------|--|
| 0    |          | 304-144-RLSD    | 1    | FOLD PROTECTION HARNESS COMPLETE             |
| 3    |          | 231-013         | 8"   | SHRINK TUBING .250" BLACK DUAL WALL          |
| 4    |          | 252-001         | 202" | WIRE 16GA BLACK                              |
| 5    |          | 252-003         | 228" | WIRE 16GA RED                                |
| 8    |          | 252-055         | 36"  | WIRE 16GA YELLOW                             |
| 11   |          | 252-316         | 90"  | WIRE 16GA WHITE                              |
| 12   |          | 252-361         | 173" | WIRE 16GA ORANGE                             |
| 13   |          | 252-551         | 6"   | WIRE 16GA BROWN                              |
| 14   |          | 252-566         | 110" | WIRE 16GA GRAY                               |
| 15   |          | 252-581         | 94"  | WIRE 16GA BLUE                               |
| 16   |          | 255-209         | 4    | CONNECTOR DEUTCH DT PLUG 6 PIN               |
| 17   |          | 255-211         | 4    | CONNECTOR DEUTCH LOCK WEDGE 6 PIN DTP ORANGE |
| 18   |          | 255-322         | 2    | RELAY HELLA CUBE SPDT 12V 20/40 SKIRT        |
| 19   |          | 255-323         | 2    | RELAY SOCKET HELLA CUBE 5P SEALED WITH LEADS |
| 22   |          | 255-505         | 5    | CONNECTOR DEUTCH LOCK WEDGE 2PIN DTP ORANGE  |
| 23   |          | 255-801         | 5    | CONNECTOR DEUTCH DT PLUG 2PIN                |
| 24   |          | 255-969         | 6    | CONNECTOR DEUTCH LOCK WEDGE 2PIN DTR GREEN   |
| 25   |          | 255-971         | 6    | CONNECTOR DEUTCH DT RCPT 2PIN                |
| 26   |          | 255-977         | 12   | CONNECTOR DEUTCH PIN 16-18GA                 |
| 27   |          | 255-978         | 26   | CONNECTOR DEUTCH SOCKET 16-18GA              |
| 28   |          | 255-979         | 8    | CONNECTOR DEUTCH CAVITY PLUG                 |



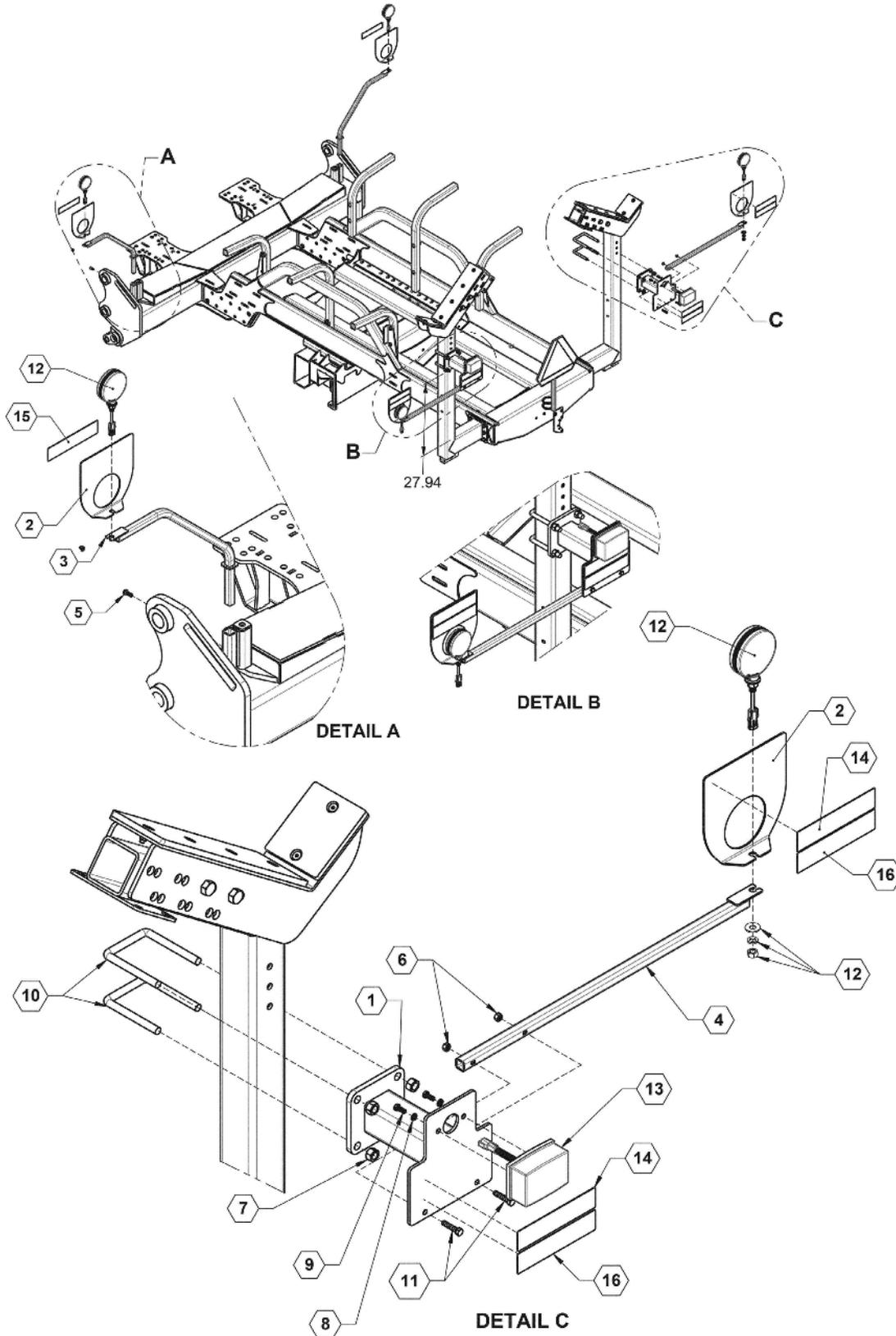


## ILLUSTRATED PARTS LIST

### Fold Protection Harness Parts List

| ITEM | PART NO. | PART NO.     | QTY. | DESCRIPTION                                      |
|------|----------|--------------|------|--|
| 0    |          | 304-144-RLSD | 1    | FOLD PROTECTION HARNESS COMPLETE                 |
| 6    |          | 252-010      | 62"  | LOOM 0CON .500" ID BLACK                         |
| 7    |          | 252-012      | 108" | LOOM 0CON .250" ID BLACK                         |
| 9    |          | 252-077      | 95"  | LOOM 0CON .125"ID BLACK                          |
| 20   |          | 255-472      | 2    | LOOM OUTLET .500 DIA                             |
| 21   |          | 255-473      | 1    | LOOM TEE FITTING L. .25-.5" C. .25-5" R. .25-.5" |
| 29   |          | 307-098      | 1    | LABEL KIT FOR 304-144                            |

## Lighting and Marking Assembly - 2018





## ILLUSTRATED PARTS LIST

### Lighting and Marking Assembly - 2018 Parts List

| ITEM | PART NO. | QTY. | DESCRIPTION                   |
|------|----------|------|-------------------------------|
| 0    | 740046   | 1    | HARNESS, LIGHT, NORTH AMERICA |
| 0    | 740048   | 1    | HARNESS, LIGHT, INTERNATIONAL |
| 1    | 26844    | 2    | REAR LIGHT MOUNT              |
| 2    | 26902    | 4    | PLATE, LIGHT BRACKET          |
| 3    | 26903    | 2    | LIGHT ARM                     |
| 4    | 26908    | 2    | REAR LIGHT ARM                |
| 5    | 596128M  | 2    | BOLT, HH 3/8-16 X 1 GR5 MAGNI |
| 6    | 596237M  | 4    | NUT, CENTERLOCK 3/8 MAGNI     |
| 7    | 596240M  | 8    | NUT, CENTERLOCK, 5/8-11 MAGNI |
| 8    | 596249M  | 4    | LOCKWASHER 5/16 MAGNI         |
| 9    | 596737M  | 4    | HH 8-1.25 X 20MM 8.8 MAGNI    |
| 10   | 596776M  | 4    | U-BOLT, 5/8 X 4X X5-3/4 MAGNI |
| 11   | 596801M  | 4    | BOLT, HH 3/8-16 X 1-3/4 MAGNI |
| 12   | 740024   | 4    | AMBER WARNING LIGHT           |
| 13   | 740025   | 2    | RED TAIL LIGHT                |
| 14   | 800109   | 4    | DECAL, RED REFLECTOR          |
| 15   | 800110   | 2    | DECAL, AMBER REFLECTOR        |
| 16   | 800111   | 4    | DECAL, ORANGE REFLECTOR       |



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NOTES



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