



# 2016 PARTS MANUAL

Replacement Cost: \$29.95 CAD

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# Table of Contents

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## **OPENERS**

- 2 Standard Opener
- 4 Mirrored Opener
- 6 Standard Opener w/ Dual Boot
- 8 Mirrored Opener w/ Dual Boot

## **FRAME**

- 10 Front Hitch - Standard & M-Fold
- 12 Frame Connections
- 13 M80/90/100 Fifth Fold Links
- 14 M50/60/70/80CT Fifth Fold Links
- 15 Active Wing Brace
- 16 Clearance Light Mount

## **WHEELS**

- 17 Heavy Dual Castor Bundle
- 18 Rear Walking Axle
- 19 Single Castor Assembly
- 20 Dual Wing Castor Assembly
- 21 Rear Wing Axle
- 22 Rear Wing Castor Assembly

## **OPTIONS**

- 23 Pintle and Heavy Clevis Hitches
- 24 Rear Hitch Packages
- 25 Opener Force Sensor Bundle
- 26 Smart Hitch Sensor Bundle - Hall Effect Sensor Style
- 27 Lift Kit Bundles
- 29 Wheel & Hubs and Cylinders

## **HYDRAULIC SCHEMATICS**

- 30 Main Hydraulic Block
- 32 Smart Openers Hydraulic Manifold
- 33 Hydraulic Schematic - Opener
- 34 Hydraulic Schematic - M-Fold Opener
- 35 Opener - Double Spacing - M80
- 36 Opener - Double Spacing - STD
- 37 STD 3-Plex Wing Fold
- 38 Wide 3-Plex Wing Fold
- 39 STD 5-Plex Wing Fold
- 40 "M" Wing Fold
- 41 Smart Hitch
- 42 Lift Kit

## **Electrical Schematics**

- 43 Viper Control In-Cab Kit
- 44 Toolbar Functions w/ SmartOpeners
- 46 ISO Control In-Cab Kit w/ Raven VT
- 47 ISO Toolbar Functions w/ Raven VT
- 48 ISO Toolbar Functions w/ Existing VT – Liquid Ready
- 49 Smart Hitch Node & Cabling
- 50 Clearance Lights



# Parts Description:

## Standard Opener

Used on Left side of Toolbar

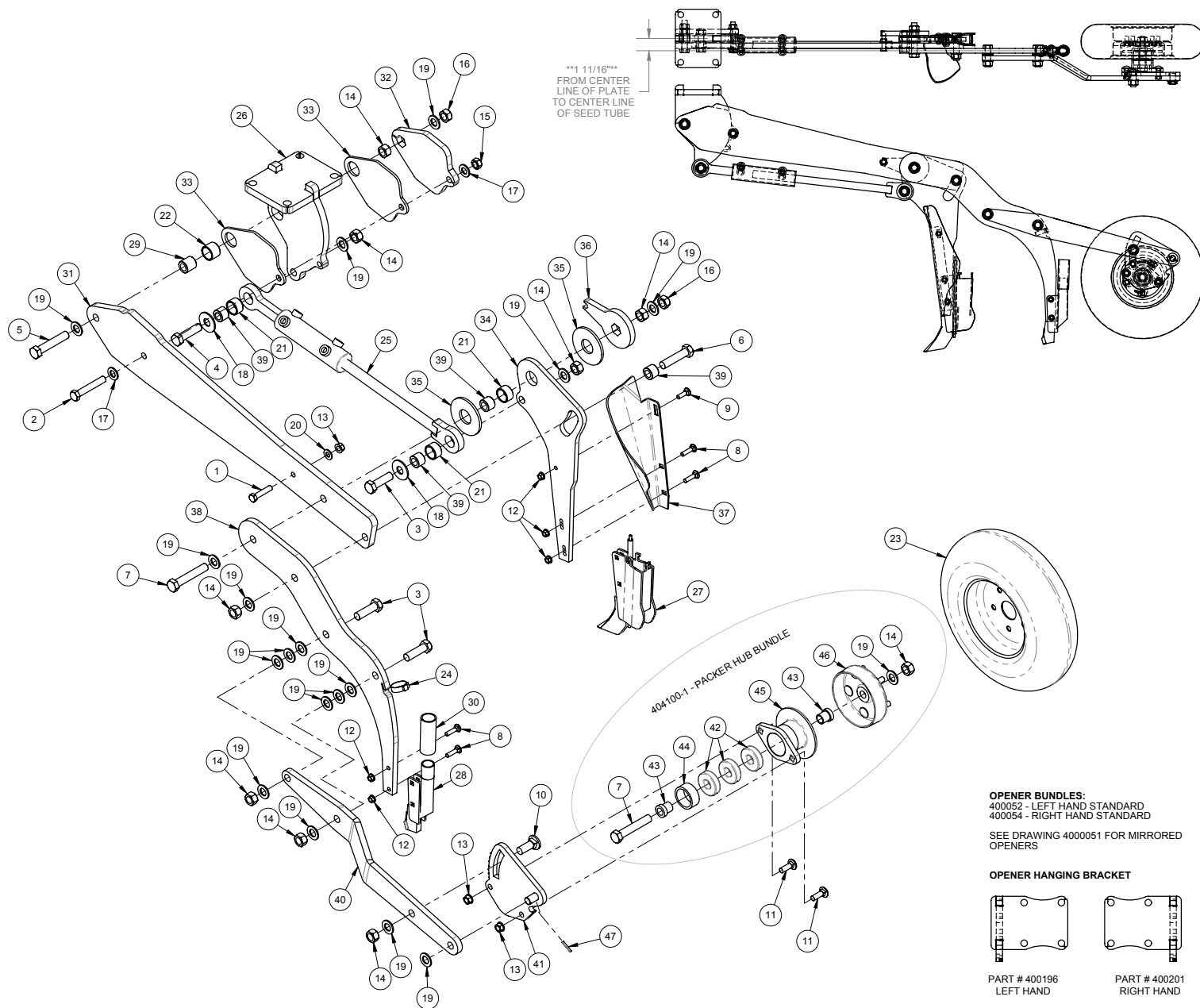
### Part No. 400050

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| 400050                                   |      |          |                                                   |
|------------------------------------------|------|----------|---------------------------------------------------|
| ITEM                                     | QTY. | PART NO. | DESCRIPTION                                       |
| 1                                        | 1    | 250000   | BOLT, HEX 1/2 X 2 1/4 IN GR5 PL                   |
| 2                                        | 1    | 250002   | BOLT, HEX 5/8 X 3 3/4 UNC GR8 PL                  |
| 3                                        | 3    | 250003   | BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL                  |
| 4                                        | 1    | 250004   | BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL                  |
| 5                                        | 1    | 250025   | BOLT, HEX 3/4 X 4 UNC GR5 PL                      |
| 6                                        | 1    | 250026   | BOLT, HEX 3/4 X 3 1/4 UNC GR5 PL                  |
| 7                                        | 2    | 250049   | BOLT, HEX 3/4 X 4 1/4 UNC GR5 PL                  |
| 8                                        | 4    | 250100   | BOLT, CARRIAGE - 3/8 X 1 1/2IN UND GR5 PL         |
| 9                                        | 1    | 250101   | BOLT, CARRIAGE - 3/8 X 1 1/4 IN UNC GR5 PL        |
| 10                                       | 1    | 250102   | BOLT, CARRIAGE - 3/4 X 2 IN UNC GR5 PL            |
| 11                                       | 2    | 250104   | BOLT, CARRIAGE - 1/2 X 1 1/2IN UNC GR5 PL         |
| 12                                       | 5    | 250400   | NUT, FLANGE - 3/8 UNC PL                          |
| 13                                       | 3    | 250401   | NUT, FLANGE - 1/2 UNC PL                          |
| 14                                       | 9    | 250451   | NUT, HEX 3/4 UNC GR5 PL                           |
| 15                                       | 1    | 250500   | NUT, LOCK 5/8 UNC - STOVER - PL                   |
| 16                                       | 2    | 250501   | NUT, LOCK - 3/4 UNC - STOVER - PL                 |
| 17                                       | 2    | 250550   | WASHER, FLAT 5/8 IN GR8 PL                        |
| 18                                       | 2    | 250551   | WASHER, FLAT 3/4 IN PL                            |
| 19                                       | 18   | 250552   | WASHER, FLAT 3/4IN GR8 PL                         |
| 20                                       | 1    | 250555   | WASHER, FLAT - 1/2 IN - GR8 - PL                  |
| 21                                       | 3    | 250601   | BUSH, 1 1/2OD X 1 1/4ID X 7/8 IN - CONNEX         |
| 22                                       | 1    | 250604   | BUSH, 1 1/2OD X 1 1/4ID X 1 1/8 IN - CONNEX       |
| 23                                       | 1    | 255000   | ASSY, TIRE - 4.8 X 8 - CARLISLE                   |
| 24                                       | 1    | 256603   | CLAMP, GEAR - S/S - 1 IN - HAS-16                 |
| 25                                       | 1    | 258500   | CYL, HYD 1 3/4 X 4 IN - OPENER                    |
| 26                                       | 1    | 400191   | ASSY, HANGER - OPENER - CTR - YEL                 |
| 27                                       | 1    | 400202   | ASSY, FERT KNIFE - EXTENDED WEAR - BLK            |
| 28                                       | 1    | 400203   | ASSY, SEED KNIFE - EXTENDED WEAR - BLK            |
| 29                                       | 1    | 400222   | BUSH, PIVOT SPACER 1 1/4OD X .77ID X 1.25 IN      |
| 30                                       | 1    | 400229   | HOSE, CONNECTOR - SEED KNIFE - 1 1/4 IN           |
| 31                                       | 1    | 400230-1 | PLATE, ARM 3/4 IN - MAIN - YEL                    |
| 32                                       | 1    | 400231-1 | PLATE, CLAMP 5/8IN - UHMW HOLDER - YEL            |
| 33                                       | 2    | 400232   | PAD, WEAR 1/4 IN - UHMW                           |
| 34                                       | 1    | 400233-2 | PLATE, FERT TRIP 1/2IN - YEL                      |
| 35                                       | 2    | 400234-1 | WASHER, TRIP 1/4 IN - UHMW                        |
| 36                                       | 1    | 400235-2 | PLATE, TRIP WASHER 5/8 IN - YEL                   |
| 37                                       | 1    | 400236-4 | SHEET, FRMD 10 GA - RESIDUE DEFLECTOR - STAINLESS |
| 38                                       | 1    | 400237-3 | PLATE, SEED KNIFE HOLDER - YEL                    |
| 39                                       | 4    | 400241-2 | BUSH, CYL SPACER 1.124 OD X .77ID X .9 IN         |
| 40                                       | 1    | 400266   | FORMED PACKER ARM                                 |
| 41                                       | 1    | 400132   | ASSY, PLATE, DEPTH ADJ 1/2 IN - OPENER - LH       |
| 42                                       | 3    | 250705   | BEARING, BALL - BEI 6305 2RS                      |
| 43                                       | 2    | 404104-1 | BUSH, SPACER - INNER - PACKER HUB                 |
| 44                                       | 1    | 404105-1 | BUSH, SPACER - OUTER - PACKER HUB                 |
| 45                                       | 1    | 404115   | HUB, PACKER WHEEL - CASTING                       |
| 46                                       | 1    | 404120-2 | PLATE, PACKER WHEEL-CAST-YEL-C/W STUDS & NUTS     |
| 47                                       | 1    | 250607   | PIN, SPRING - 3/16 X 1 1/4 IN                     |
| 400185 (Opener Cylinder Hardware Bundle) |      |          |                                                   |
| ITEM                                     | QTY. | PART NO. | DESCRIPTION                                       |
| 3                                        | 1    | 250003   | BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL                  |
| 4                                        | 1    | 250004   | BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL                  |
| 14                                       | 2    | 250451   | NUT, HEX 3/4 UNC GR5 PL                           |
| 18                                       | 2    | 250551   | WASHER, FLAT - 3/4 IN PL                          |
| 19                                       | 2    | 250552   | WASHER, FLAT 3/4IN GR8 PL                         |
| 21                                       | 2    | 250601   | BUSH, 1 1/2OD X 1 1/4ID X 7/8 IN - CONNEX         |
| 39                                       | 2    | 400241-2 | BUSH, CYL SPACER 1.24OD X .77ID X .9IN - PLATE    |







# Parts Description:

## Mirrored Opener

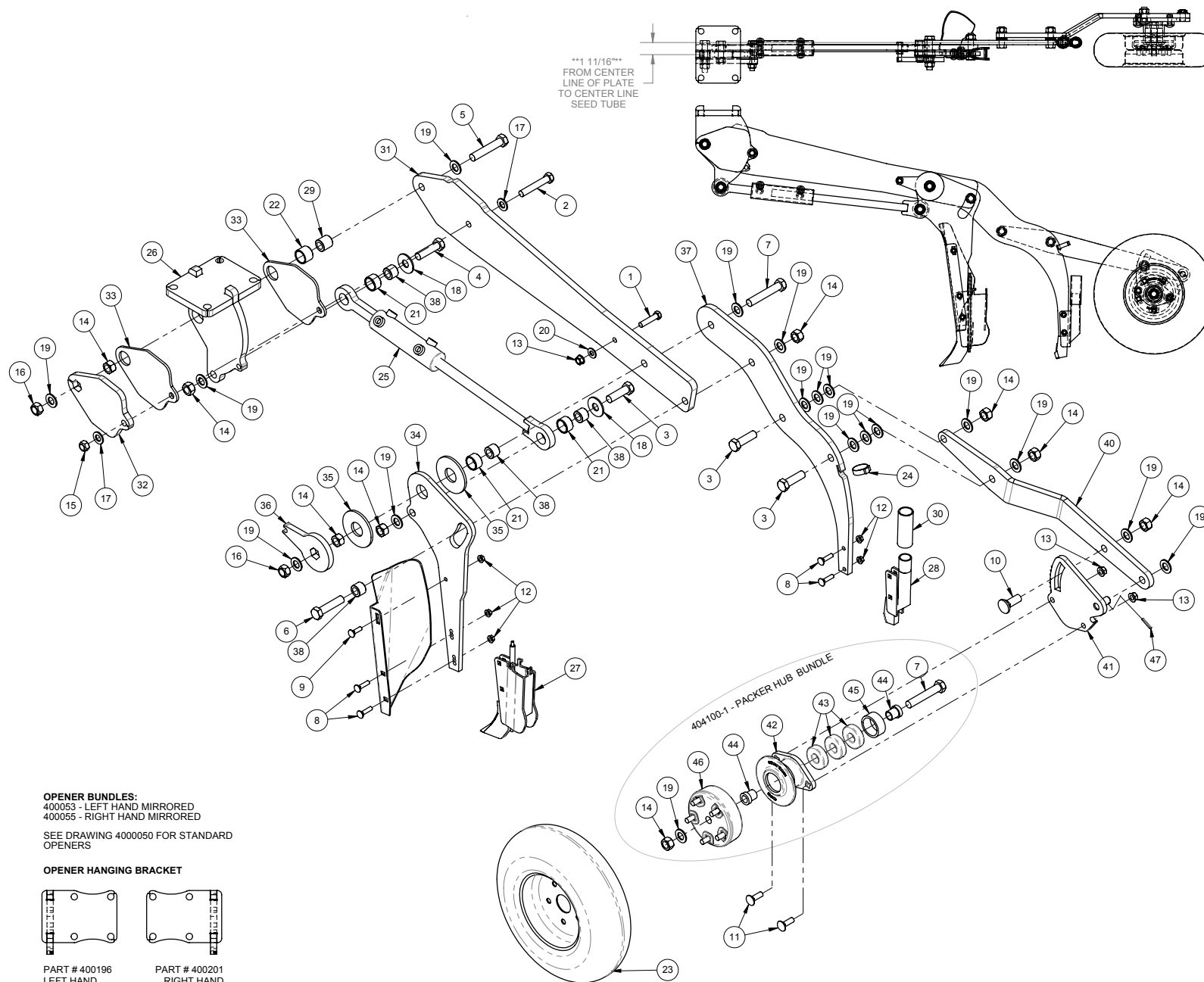
Used on Right side of Toolbar

### Part No. 400051

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| 400051 |      |          |                                                |
|--------|------|----------|------------------------------------------------|
| ITEM   | QTY. | PART NO. | DESCRIPTION                                    |
| 1      | 1    | 250000   | BOLT, HEX 1/2 X 2 1/4 IN GR5 PL                |
| 2      | 1    | 250002   | BOLT, HEX 5/8 X 3 3/4 UNC GR8 PL               |
| 3      | 3    | 250003   | BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL               |
| 4      | 1    | 250004   | BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL               |
| 5      | 1    | 250025   | BOLT, HEX 3/4 X 4 UNC GR5 PL                   |
| 6      | 1    | 250026   | BOLT, HEX 3/4 X 3 1/4 UNC GR5 PL               |
| 7      | 2    | 250049   | BOLT, HEX 3/4 X 4 1/4 UNC GR5 PL               |
| 8      | 4    | 250100   | BOLT, CARRIAGE - 3/8 X 1 1/2 IN UND GR5 PL     |
| 9      | 1    | 250101   | BOLT, CARRIAGE - 3/8 X 1 1/4 IN UNC GR5 PL     |
| 10     | 1    | 250102   | BOLT, CARRIAGE - 3/4 X 2 IN UNC GR5 PL         |
| 11     | 2    | 250104   | BOLT, CARRIAGE - 1/2 X 1 1/2 IN UNC GR5 PL     |
| 12     | 5    | 250400   | NUT, FLANGE - 3/8 UNC PL                       |
| 13     | 3    | 250401   | NUT, FLANGE - 1/2 UNC PL                       |
| 14     | 9    | 250451   | NUT, HEX 3/4 UNC GR5 PL                        |
| 15     | 1    | 250500   | NUT, LOCK 5/8 UNC - STOVER - PL                |
| 16     | 2    | 250501   | NUT, LOCK - 3/4 UNC - STOVER - PL              |
| 17     | 2    | 250550   | WASHER, FLAT 5/8 IN GR8 PL                     |
| 18     | 2    | 250551   | WASHER, FLAT 3/4 IN PL                         |
| 19     | 18   | 250552   | WASHER, FLAT 3/4 IN GR8 PL                     |
| 20     | 1    | 250555   | WASHER, FLAT - 1/2 IN - GR8 - PL               |
| 21     | 3    | 250601   | BUSH, 1 1/2 OD X 1 1/4 ID X 7/8 IN - CONNEX    |
| 22     | 1    | 250604   | BUSH, 1 1/2 OD X 1 1/4 ID X 1 1/8 IN - CONNEX  |
| 23     | 1    | 255000   | ASSY, TIRE - 4.8 X 8 - CARLISLE                |
| 24     | 1    | 256603   | CLAMP, GEAR - S/S - 1 IN - HAS-16              |
| 25     | 1    | 258500   | CYL, HYD 1 3/4 X 4 IN - OPENER                 |
| 26     | 1    | 400191   | ASSY, HANGER - OPENER - CTR - YEL              |
| 27     | 1    | 400202   | ASSY, FERT KNIFE - EXTENDED WEAR - BLK         |
| 28     | 1    | 400209   | ASSY, SEED KNIFE - EXT WEAR MIRROR - BLK       |
| 29     | 1    | 400222   | BUSH, PIVOT SPACER 1 1/4 OD X .77 ID X 1.25 IN |
| 30     | 1    | 400229   | HOSE, CONNECTOR - SEED KNIFE - 1 1/4 IN        |
| 31     | 1    | 400230-1 | PLATE, ARM 3/4 IN - MAIN - YEL                 |
| 32     | 1    | 400231-1 | PLATE, CLAMP 5/8 IN - UHMW HOLDER - YEL        |
| 33     | 2    | 400232   | PAD, WEAR 1/4 IN - UHMW                        |
| 34     | 1    | 400233-2 | PLATE, FERT TRIP 1/2 IN - YEL                  |
| 35     | 2    | 400234-1 | WASHER, TRIP 1/4 IN - UHMW                     |
| 36     | 1    | 400235-2 | PLATE, TRIP WASHER 5/8 IN - YEL                |
| 37     | 1    | 400237-3 | PLATE, SEED KNIFE HOLDER - YEL                 |
| 38     | 4    | 400241-2 | BUSH, CYL SPACER 1.124 OD X .77 ID X .9 IN     |
| 39     | 1    | 400246   | PLATE, FRMD 10GA S.S. - DEFLECTOR MIRROR       |
| 40     | 1    | 400366   | FORMED PACKER ARM                              |
| 41     | 1    | 400133   | ASSY, QUICK DEPTH ADJUSTMENT - RH              |
| 42     | 1    | 404115   | HUB, PACKER WHEEL - CASTING                    |
| 43     | 3    | 250705   | BEARING, BALL - BEI 6305 2RS                   |
| 44     | 2    | 404104-1 | BUSH, SPACER - INNER - PACKER HUB              |
| 45     | 1    | 404105-1 | BUSH, SPACER - OUTER - PACKER HUB              |
| 46     | 1    | 404120-2 | PLATE, PACKER WHEEL-CAST-YEL-C/W STUDS & NUTS  |
| 47     | 1    | 250607   | PIN, SPRING - 3/16 X 1 1/4 IN                  |



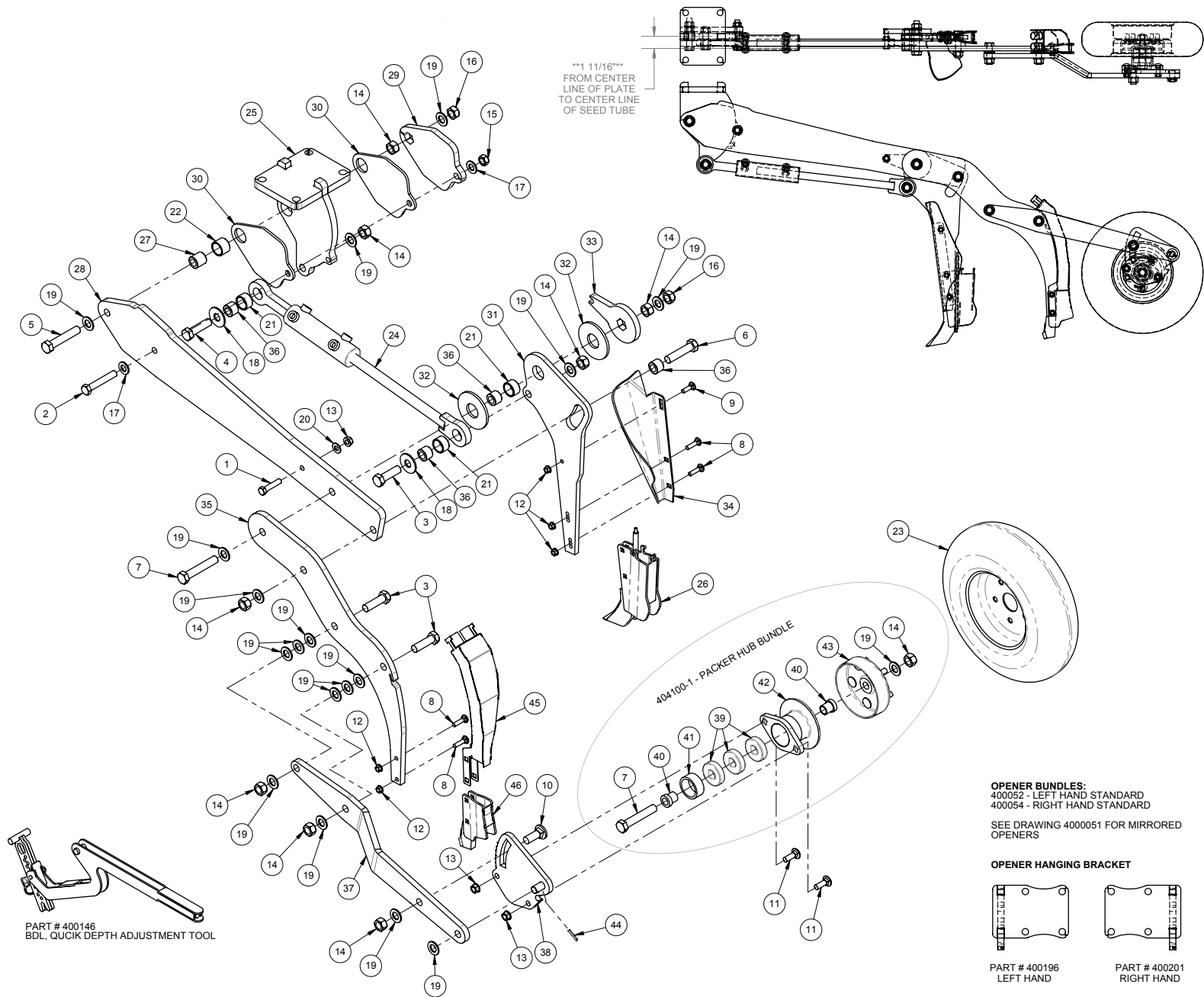


# Parts Description: Standard Opener With Dual Seed Knife Boot & Adjustment Tool

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| ITEM | QTY. | PART NO. | DESCRIPTION                                       |
|------|------|----------|---------------------------------------------------|
| 1    | 1    | 250000   | BOLT, HEX 1/2 X 2 1/4 IN GR5 PL                   |
| 2    | 1    | 250002   | BOLT, HEX 5/8 X 3 3/4 UNC GR8 PL                  |
| 3    | 3    | 250003   | BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL                  |
| 4    | 1    | 250004   | BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL                  |
| 5    | 1    | 250025   | BOLT, HEX 3/4 X 4 UNC GR5 PL                      |
| 6    | 1    | 250026   | BOLT, HEX 3/4 X 3 1/4 UNC GR5 PL                  |
| 7    | 2    | 250049   | BOLT, HEX 3/4 X 4 1/4 UNC GR5 PL                  |
| 8    | 4    | 250100   | BOLT, CARRIAGE - 3/8 X 1 1/2IN UND GR5 PL         |
| 9    | 1    | 250101   | BOLT, CARRIAGE - 3/8 X 1 1/4 IN UNC GR5 PL        |
| 10   | 1    | 250102   | BOLT, CARRIAGE - 3/4 X 2 IN UNC GR5 PL            |
| 11   | 2    | 250104   | BOLT, CARRIAGE - 1/2 X 1 1/2IN UNC GR5 PL         |
| 12   | 5    | 250400   | NUT, FLANGE - 3/8 UNC PL                          |
| 13   | 3    | 250401   | NUT, FLANGE - 1/2 UNC PL                          |
| 14   | 9    | 250451   | NUT, HEX 3/4 UNC GR5 PL                           |
| 15   | 1    | 250500   | NUT, LOCK 5/8 UNC - STOVER - PL                   |
| 16   | 2    | 250501   | NUT, LOCK - 3/4 UNC - STOVER - PL                 |
| 17   | 2    | 250550   | WASHER, FLAT 5/8 IN GR8 PL                        |
| 18   | 2    | 250551   | WASHER, FLAT 3/4 IN PL                            |
| 19   | 18   | 250552   | WASHER, FLAT 3/4IN GR8 PL                         |
| 20   | 1    | 250555   | WASHER, FLAT - 1/2 IN - GR8 - PL                  |
| 21   | 3    | 250601   | BUSH, 1 1/2OD X 1 1/4ID X 7/8 IN - CONNEX         |
| 22   | 1    | 250604   | BUSH, 1 1/2OD X 1 1/4ID X 1 1/8 IN - CONNEX       |
| 23   | 1    | 255000   | ASSY, TIRE - 4.8 X 8 - CARLISLE                   |
| 24   | 1    | 258500   | CYL, HYD 1 3/4 X 4 IN - OPENER                    |
| 25   | 1    | 400191   | ASSY, HANGER - OPENER - CTR - YEL                 |
| 26   | 1    | 400202   | ASSY, FERT KNIFE - EXTENDED WEAR - BLK            |
| 27   | 1    | 400222   | BUSH, PIVOT SPACER 1 1/4OD X .77ID X 1.25 IN      |
| 28   | 1    | 400230-1 | PLATE, ARM 3/4 IN - MAIN - YEL                    |
| 29   | 1    | 400231-1 | PLATE, CLAMP 5/8IN - UHMW HOLDER - YEL            |
| 30   | 2    | 400232   | PAD, WEAR 1/4 IN - UHMW                           |
| 31   | 1    | 400233-2 | PLATE, FERT TRIP 1/2IN - YEL                      |
| 32   | 2    | 400234-1 | WASHER, TRIP 1/4 IN - UHMW                        |
| 33   | 1    | 400235-2 | PLATE, TRIP WASHER 5/8 IN - YEL                   |
| 34   | 1    | 400236-4 | SHEET, FRMD 10 GA - RESIDUE DEFLECTOR - STAINLESS |
| 35   | 1    | 400237-3 | PLATE, SEED KNIFE HOLDER - YEL                    |
| 36   | 4    | 400241-2 | BUSH, CYL SPACER 1.124 OD X .77ID X .9 IN         |
| 37   | 1    | 400266   | FORMED PACKER ARM                                 |
| 38   | 1    | 400132   | ASSY, PLATE, DEPTH ADJ 1/2 IN - OPENER - LH       |
| 39   | 3    | 250705   | BEARING, BALL - BEI 6305 2RS                      |
| 40   | 2    | 404104-1 | BUSH, SPACER - INNER - PACKER HUB                 |
| 41   | 1    | 404105-1 | BUSH, SPACER - OUTER - PACKER HUB                 |
| 42   | 1    | 404115   | HUB, PACKER WHEEL - CASTING                       |
| 43   | 1    | 404120-1 | CASTING, WHEEL PLATE - OPENER ASSEMBLY - YEL      |
| 44   | 1    | 250607   | PIN, SPRING - 3/16 X 1 1/4 IN                     |
| 45   | 1    | 510320   | ASSY, DUAL PRODUCT BOOT - SEED ROW - RH - BLK     |
| 46   | 1    | 404170   | ASSY, SEED KNIFE - DUAL SEED HOSE - RH - BLK      |



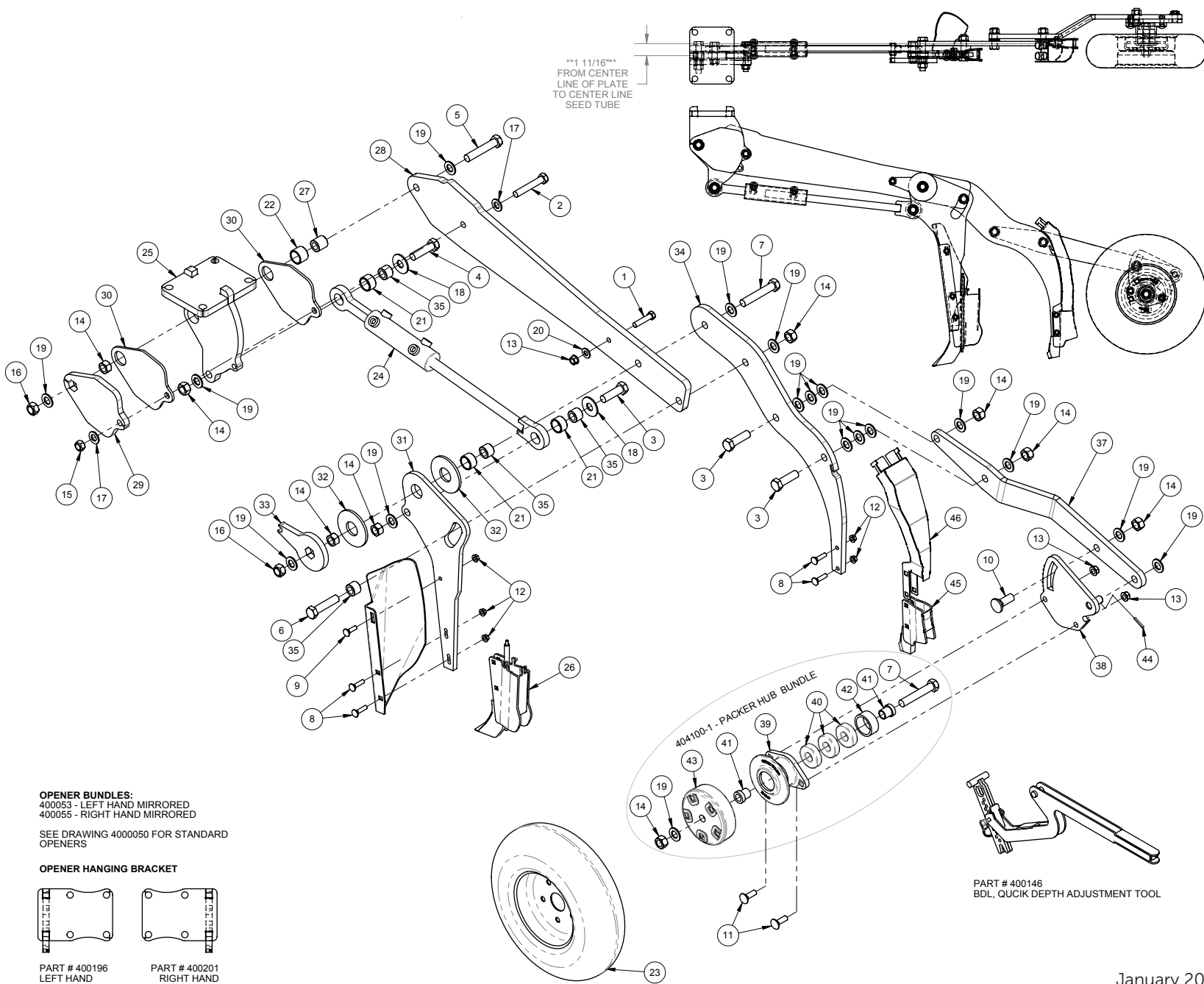


# Parts Description: Mirrored Opener With Dual Seed Knife Boot & Adjustment Tool

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| ITEM | QTY. | PART NO. | DESCRIPTION                                   |
|------|------|----------|-----------------------------------------------|
| 1    | 1    | 250000   | BOLT, HEX 1/2 X 2 1/4 IN GR5 PL               |
| 2    | 1    | 250002   | BOLT, HEX 5/8 X 3 3/4 UNC GR8 PL              |
| 3    | 3    | 250003   | BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL              |
| 4    | 1    | 250004   | BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL              |
| 5    | 1    | 250025   | BOLT, HEX 3/4 X 4 UNC GR5 PL                  |
| 6    | 1    | 250026   | BOLT, HEX 3/4 X 3 1/4 UNC GR5 PL              |
| 7    | 2    | 250049   | BOLT, HEX 3/4 X 4 1/4 UNC GR5 PL              |
| 8    | 4    | 250100   | BOLT, CARRIAGE - 3/8 X 1 1/2IN UND GR5 PL     |
| 9    | 1    | 250101   | BOLT, CARRIAGE - 3/8 X 1 1/4 IN UNC GR5 PL    |
| 10   | 1    | 250102   | BOLT, CARRIAGE - 3/4 X 2 IN UNC GR5 PL        |
| 11   | 2    | 250104   | BOLT, CARRIAGE - 1/2 X 1 1/2IN UNC GR5 PL     |
| 12   | 5    | 250400   | NUT, FLANGE - 3/8 UNC PL                      |
| 13   | 3    | 250401   | NUT, FLANGE - 1/2 UNC PL                      |
| 14   | 9    | 250451   | NUT, HEX 3/4 UNC GR5 PL                       |
| 15   | 1    | 250500   | NUT, LOCK 5/8 UNC - STOVER - PL               |
| 16   | 2    | 250501   | NUT, LOCK - 3/4 UNC - STOVER - PL             |
| 17   | 2    | 250550   | WASHER, FLAT 5/8 IN GR8 PL                    |
| 18   | 2    | 250551   | WASHER, FLAT 3/4 IN PL                        |
| 19   | 18   | 250552   | WASHER, FLAT 3/4IN GR8 PL                     |
| 20   | 1    | 250555   | WASHER, FLAT - 1/2 IN - GR8 - PL              |
| 21   | 3    | 250601   | BUSH, 1 1/2OD X 1 1/4ID X 7/8 IN - CONNEX     |
| 22   | 1    | 250604   | BUSH, 1 1/2OD X 1 1/4ID X 1 1/8 IN - CONNEX   |
| 23   | 1    | 255000   | ASSY, TIRE - 4.8 X 8 - CARLISLE               |
| 24   | 1    | 258500   | CYL, HYD 1 3/4 X 4 IN - OPENER                |
| 25   | 1    | 400191   | ASSY, HANGER - OPENER - CTR - YEL             |
| 26   | 1    | 400202   | ASSY, FERT KNIFE - EXTENDED WEAR - BLK        |
| 27   | 1    | 400222   | BUSH, PIVOT SPACER 1 1/4OD X .77ID X 1.25 IN  |
| 28   | 1    | 400230-1 | PLATE, ARM 3/4 IN - MAIN - YEL                |
| 29   | 1    | 400231-1 | PLATE, CLAMP 5/8IN - UHMW HOLDER - YEL        |
| 30   | 2    | 400232   | PAD, WEAR 1/4 IN - UHMW                       |
| 31   | 1    | 400233-2 | PLATE, FERT TRIP 1/2IN - YEL                  |
| 32   | 2    | 400234-1 | WASHER, TRIP 1/4 IN - UHMW                    |
| 33   | 1    | 400235-2 | PLATE, TRIP WASHER 5/8 IN - YEL               |
| 34   | 1    | 400237-3 | PLATE, SEED KNIFE HOLDER - YEL                |
| 35   | 4    | 400241-2 | BUSH, CYL SPACER 1.124 OD X .77ID X .9 IN     |
| 36   | 1    | 400246   | PLATE, FRMD 10GA S.S. - DEFLECTOR MIRROR      |
| 37   | 1    | 400366   | FORMED PACKER ARM                             |
| 38   | 1    | 400133   | ASSY, QUICK DEPTH ADJUSTMENT - RH             |
| 39   | 1    | 404115   | HUB, PACKER WHEEL - CASTING                   |
| 40   | 3    | 250705   | BEARING, BALL - BEI 6305 2RS                  |
| 41   | 2    | 404104-1 | BUSH, SPACER - INNER - PACKER HUB             |
| 42   | 1    | 404105-1 | BUSH, SPACER - OUTER - PACKER HUB             |
| 43   | 1    | 404120-2 | PLATE, PACKER WHEEL-CAST-YEL-C/W STUDS & NUTS |
| 44   | 1    | 250607   | PIN, SPRING - 3/16 X 1 1/4 IN                 |
| 45   | 1    | 404170   | ASSY, SEED KNIFE - DUAL SEED HOSE - RH - BLK  |
| 46   | 1    | 510330   | ASSY, DUAL PRODUCT BOOT - SEED ROW - LH - BLK |







# Parts Description:

## Front Hitch Bundle

### Part No. 404275-1 – Standard Hitch

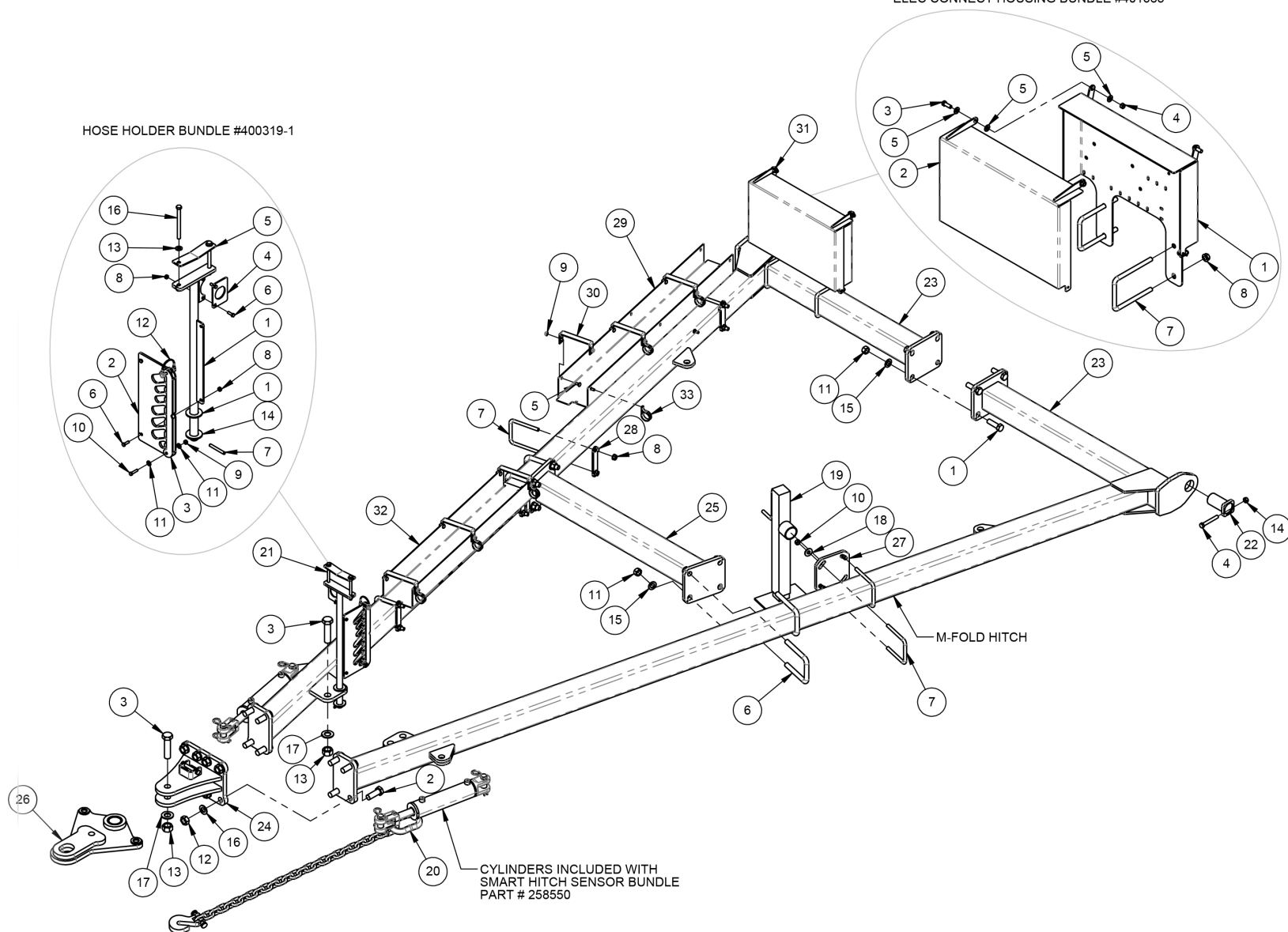
### 407250-1 – M-Fold Hitch

| Front Hitch Bundle                                                                   |     |          |                                                        |
|--------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------------|
| 404250-1 - M-Fold Hitch                                                              |     |          |                                                        |
| ITEM                                                                                 | QTY | PART NO. | DESCRIPTION                                            |
| 1                                                                                    | 4   | 250003   | BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL                       |
| 2                                                                                    | 8   | 250007   | BOLT, HEX 7/8 X 2 1/2 UNC GR5 PL                       |
| 3                                                                                    | 2   | 250032   | BOLT, HEX 1/4 IN UNC GR5 PL                            |
| 4                                                                                    | 3   | 250050   | BOLT, HEX 1/2 X 3 1/2 IN UNC GR5 PL                    |
| 5                                                                                    | 12  | 250106   | BOLT, CARRIAGE - 5/16 X 3/4 IN UNC GR5 PL              |
| 6                                                                                    | 4   | 250201   | BOLT, U-SQ - 3/4 UNC X 4 ID X 6 IN - 2 IN THD - GR5 PL |
| 7                                                                                    | 6   | 250208   | BOLT, U-SQ - 1/2 UNC X 4 ID X 5 IN - 2 IN THD - GR8 PL |
| 8                                                                                    | 8   | 250401   | NUT, FLANGE - 1/2 UNC PL                               |
| 9                                                                                    | 12  | 250403   | NUT, FLANGE - 5/16 UNC PL                              |
| 10                                                                                   | 4   | 250450   | NUT, HEX 1/2 UNC GR5 PL                                |
| 11                                                                                   | 12  | 250451   | NUT, HEX 3/4 UNC GR5 PL                                |
| 12                                                                                   | 8   | 250452   | NUT, HEX - 7/8 UNC PL                                  |
| 13                                                                                   | 2   | 250457   | NUT, HEX 1 UNC GR5 PL                                  |
| 14                                                                                   | 3   | 250504   | NUT, LOCK - 1/2 UNC - STOVER - PL                      |
| 15                                                                                   | 12  | 250552   | WASHER, FLAT 3/4 IN GR8 PL                             |
| 16                                                                                   | 8   | 250553   | WASHER, FLAT 7/8 IN GR8 PL                             |
| 17                                                                                   | 2   | 250554   | WASHER, FLAT - 1 IN GR8 PL                             |
| 18                                                                                   | 4   | 250556   | WASHER, FLAT - 1 1/2 IN - PL                           |
| 19                                                                                   | 1   | 254503   | HITCH JACK - 5000 LB - SIDE WIND - W/OUTER BUSHING     |
| 20                                                                                   | 1   | 254552   | SAFETY CHAIN, GR70 X 6 FT - 41000LB                    |
| 21                                                                                   | 1   | 400319-1 | BDL, HOSE HOLDER - FRT HITCH                           |
| 22                                                                                   | 3   | 400725   | ASSY, HINGE PIN - SEED MASTER - BLK                    |
| 23                                                                                   | 2   | 407251   | ASSY, SIDE A-FRAME SMART HITCH                         |
| 24                                                                                   | 1   | 404285   | ASSY, FRT TONGUE - SMART HITCH                         |
| 25                                                                                   | 1   | 407255   | CROSS TUBE ASSY                                        |
| 26                                                                                   | 1   | 404295-1 | ASSY, FRONT PIVOT PLATE - SMART HITCH - YEL            |
| 27                                                                                   | 1   | 404300   | ADJUSTABLE JACK PLATE                                  |
| 28                                                                                   | 4   | 404312   | PLATE, 1/4 IN HOSE HOLDER U-BOLT TAB                   |
| 29                                                                                   | 1   | 40721-2  | SHEET, 12 GA FRMD BACK HOSE HOLDER - OPEN - BLK        |
| 30                                                                                   | 6   | 40722    | SHEET, FRMD 12 GA - HOSE HOLDER STRAP - BLK            |
| 31                                                                                   | 1   | 401685   | BDL, ELEC CONNECT HOUSING - FRONT HITCH                |
| 32                                                                                   | 1   | 407220-2 | SHEET, 12 GA FRMD HOSE HOLDER - OPEN                   |
| 33                                                                                   | 6   | 250533   | CLAMP, LOOP - 1 1/2 INSULATED                          |
| STANDARD HITCH - PART #404275-1 (SUBSTITUTE ITEMS BELOW AND SUBTRACT #32 (407220-2)) |     |          |                                                        |
| ITEM                                                                                 | QTY | PART NO. | DESCRIPTION                                            |
| 23                                                                                   | 2   | 404276   | ASSY, SIDE A-FRAME SMART HITCH                         |
| 25                                                                                   | 1   | 404290   | ASSY, MIDDLE CROSS TUBE - SMART HITCH                  |
| ELEC CONNECT HOUSING BUNDLE - PART #401685                                           |     |          |                                                        |
| ITEM                                                                                 | QTY | PART NO. | DESCRIPTION                                            |
| 1                                                                                    | 1   | 401693   | ASSY, ELEC CONNECT HOUSING - BACK PANEL - BLK          |
| 2                                                                                    | 1   | 401694   | ASSY, ELEC CONNECT HOUSING - FRONT PANEL - BLK         |
| 3                                                                                    | 2   | 250036   | BOLT, HEX 5/8 X 1 IN GR5 PL                            |
| 4                                                                                    | 2   | 250503   | NUT, LOCK - 3/8 UNC - STOVER - PL                      |
| 5                                                                                    | 6   | 250557   | WASHER, FLAT - 3/8 IN GR8 PL                           |
| 6                                                                                    | 1   | 250597   | PIN, QUICK/LINCH - 1/8 X 1 IN EFF.                     |
| 7                                                                                    | 2   | 250223   | BOLT, U-SQ - 1/2 UNC X 4 ID X 6 IN - 2 IN THD - GR5 PL |
| 8                                                                                    | 4   | 250401   | NUT, FLANGE - 1/2 UNC PL                               |
| HOSE HOLDER BUNDLE - PART #400319-1                                                  |     |          |                                                        |
| ITEM                                                                                 | QTY | PART NO. | DESCRIPTION                                            |
| 1                                                                                    | 1   | 400320-2 | ASSY, HOSE HOLDER - FRT HITCH - BLK                    |
| 2                                                                                    | 1   | 400421   | PLATE, 1/4 IN - HOSE HOLDER - BLK                      |
| 3                                                                                    | 1   | 400327   | ASSY, LOCK BAR - HOSE HOLDER - BLK                     |
| 4                                                                                    | 1   | 400422   | SHEET, 10 GA - ISO BULKHEAD - BLK                      |
| 5                                                                                    | 1   | 400324-1 | SHEET, 10 GA - TOP CLAMP - HOSE HOLDER - BLK           |
| 6                                                                                    | 4   | 250122   | BOLT, HEX 1/4 X 3/4 IN GR5 PL                          |
| 7                                                                                    | 1   | 250600   | PIN, SPRING - 5/16 X 2 1/2 IN - PL                     |
| 8                                                                                    | 4   | 250458   | NUT, HEX - 1/4 UNC PL                                  |
| 9                                                                                    | 1   | 250507   | NUT, LOCK - 1/4 UNC - STOVER - PL                      |
| 10                                                                                   | 1   | 250033   | BOLT, HEX 1/4 X 1 IN GR5 PL                            |
| 11                                                                                   | 3   | 250559   | WASHER, FLAT - 1 1/4 IN - PL                           |
| 12                                                                                   | 1   | 250594   | PIN, QUICK/LOCK - 1/4 X 1 3/4 IN EFF - ROUND           |
| 13                                                                                   | 4   | 250557   | WASHER, FLAT - 3/8 IN GR8 PL                           |
| 14                                                                                   | 1   | 250554   | WASHER, FLAT - 1 IN GR8 PL                             |
| 15                                                                                   | 2   | 250508   | NUT, LOCK - 3/8 UNC - STOVER - PL                      |
| 16                                                                                   | 2   | 250009   | BOLT, HEX 3/8 X 4 1/2 IN UNC GR5 PL                    |



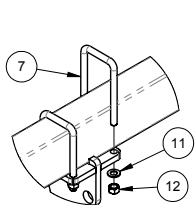
HOSE HOLDER BUNDLE #400319-1

ELEC CONNECT HOUSING BUNDLE #401685

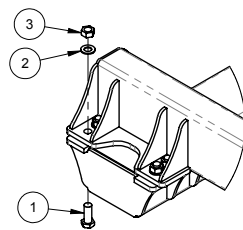


# Parts Description: Frame Connections

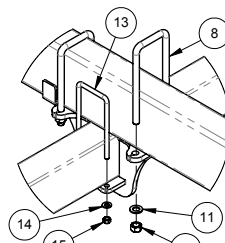
| ITEM | QTY. | PART NO. | DESCRIPTION                                             |
|------|------|----------|---------------------------------------------------------|
| 1    | 8    | 250006   | BOLT, HEX 7/8 X 2 1/4 UNC GR5 PL                        |
| 2    | 8    | 250553   | WASHER, FLAT 7/8IN GR8 PL                               |
| 3    | 8    | 250452   | NUT, HEX - 7/8 UNC PL                                   |
| 4    | 4    | 250003   | BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL                        |
| 5    | 4    | 250057   | BOLT, HEX 3/4 X 6 1/2 UNC GR5 PL                        |
| 6    | 6    | 250202   | BOLT, U-SQ - 3/4 UNC X 8 ID X 8 IN - 2 IN THD - GR8 PL  |
| 7    | 6    | 250204   | BOLT, U-SQ - 3/4 UNC X 4 ID X 8 IN - 2 IN THD - GR8 PL  |
| 8    | 2    | 250206   | BOLT, U-SQ - 3/4 UNC X 4 ID X 10 IN - 2 IN THD - GR8 PL |
| 9    | 4    | 250209   | BOLT, U-SQ - 3/4 UNC X 8 ID X 6 IN - 2 IN THD - GR8 PL  |
| 10   | 2    | 250210   | BOLT, U-SQ - 3/4 UNC X 6 ID X 6 IN - 2 IN THD - GR8 PL  |
| 11   | 48   | 250552   | WASHER, FLAT 3/4IN GR8 PL                               |
| 12   | 48   | 250451   | NUT, HEX 3/4 UNC GR5 PL                                 |
| 13   | 2    | 250218   | BOLT, U-SQ - 1/2 UNC X 4 ID X 8 IN - 2 IN THD - GR5 PL  |
| 14   | 4    | 250555   | WASHER, FLAT - 1/2 IN - GR8 - PL                        |
| 15   | 4    | 250450   | NUT, HEX 1/2 UNC GR5 PL                                 |
| 16   | 1    | 400725   | ASSY, HINGE PIN - SEED MASTER - BLK                     |
| 17   | 1    | 250050   | BOLT, HEX 1/2 X 3 1/2 IN UNC GR5 PL                     |
| 18   | 1    | 250504   | NUT, LOCK - 1/2 UNC - STOVER - PL                       |



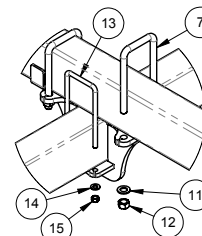
OPENER TO RANK  
CONNECTION



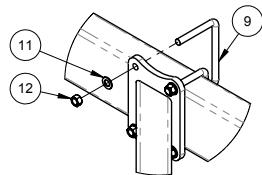
RAIL TO BEAM  
CONNECTION



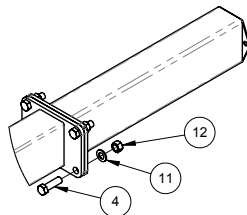
RANK TO MAIN RAIL  
CONNECTION



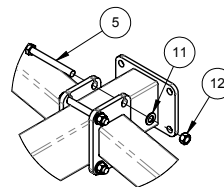
RANK TO WING RAIL  
CONNECTION



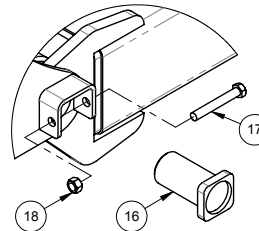
ANGLE BRACKET TO  
RAIL CONNECTION



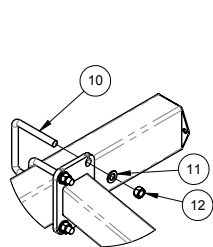
RANK EXTENSION  
CONNECTION



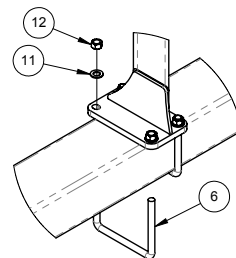
RANK SUPPORT  
CONNECTION 1  
(IF SUPPORTS DO NOT  
LINE UP USE RANK  
SUPPORT CONNECTION 2)



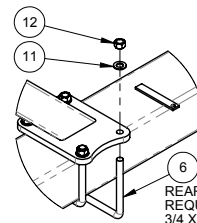
HINGE PIN  
CONNECTION



RANK SUPPORT  
CONNECTION 2



ANGLE BRACKET TO  
BEAM CONNECTION



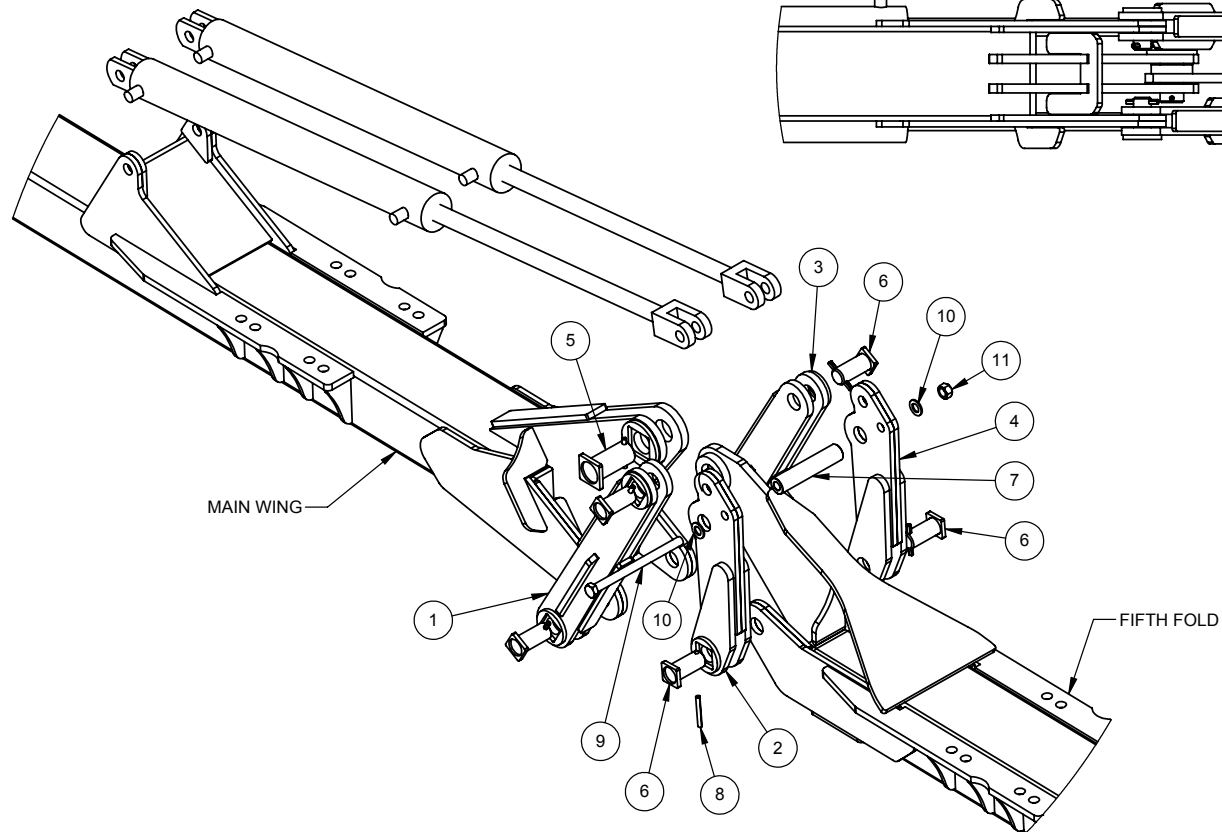
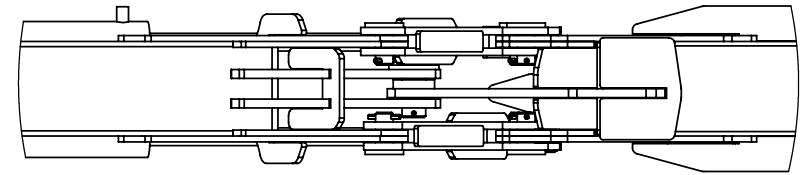
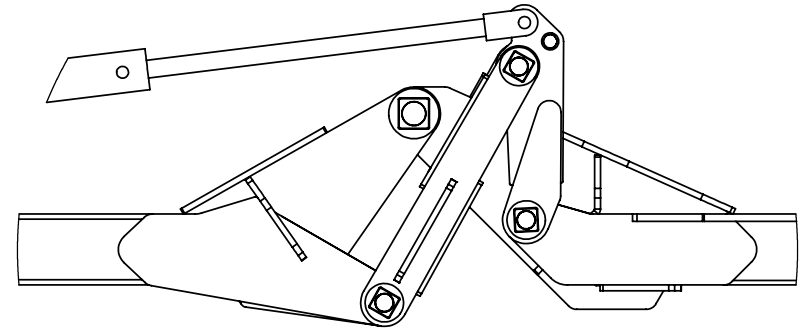
WING STOP TO  
BEAM CONNECTION

REAR BEAM MAY  
REQUIRE 250220  
3/4 X 8ID X 10



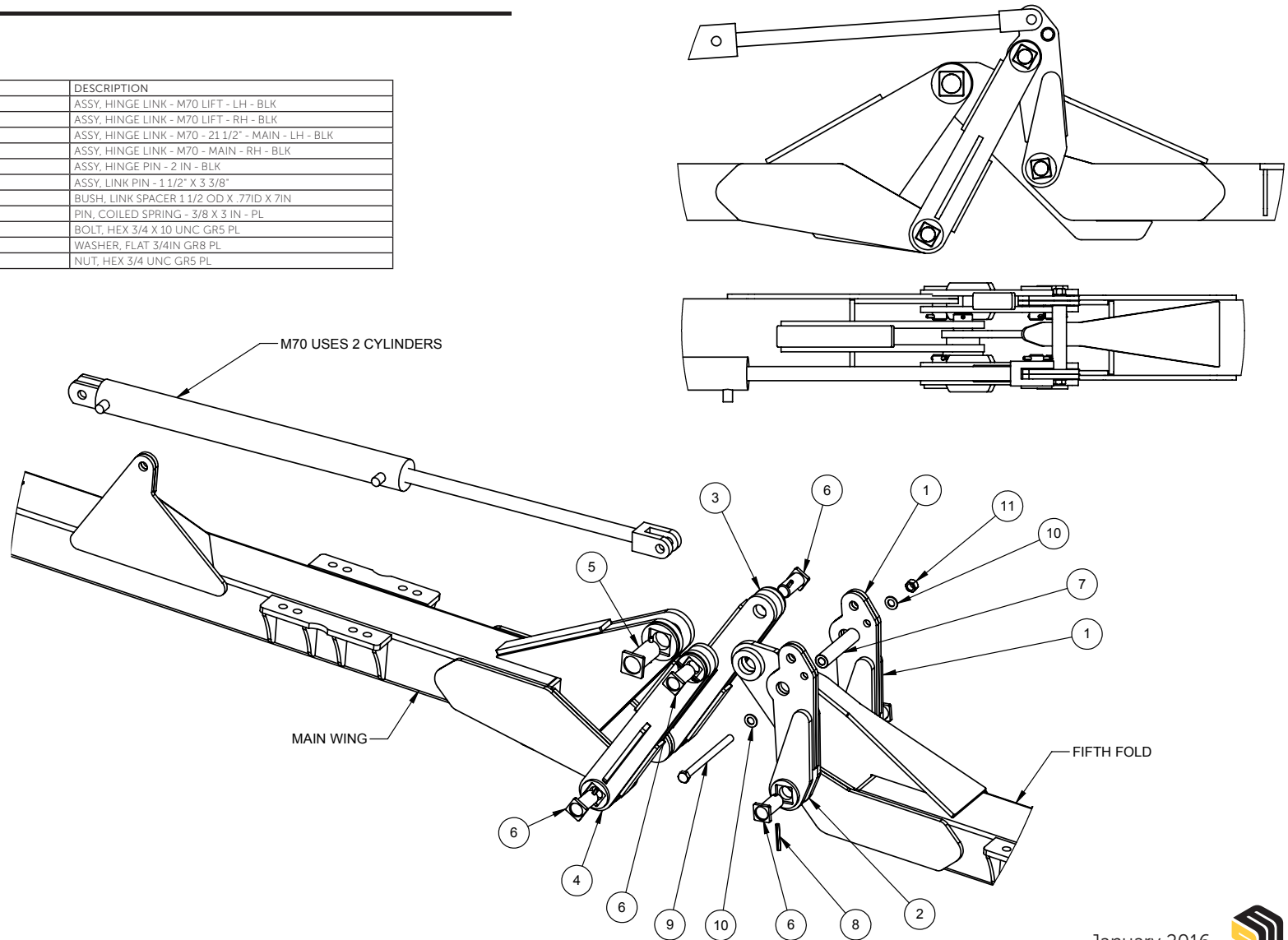
# Parts Description: M80/90/100 Fifth Fold Links

| ITEM | QTY. | PART NO. | DESCRIPTION                              |
|------|------|----------|------------------------------------------|
| 1    | 1    | 407050   | ASSY, HINGE LINK - MAIN - RH - BLK       |
| 2    | 1    | 407060   | ASSY, HINGE LINK - LIFT - RH - BLK       |
| 3    | 1    | 407051   | ASSY, HINGE LINK - MAIN - LH - BLK       |
| 4    | 1    | 407061   | ASSY, HINGE LIFT LINK - 13" - LH         |
| 5    | 1    | 407070   | ASSY, HINGE PIN - 2 IN - BLK             |
| 6    | 6    | 407075   | ASSY, LINK PIN - 1 1/2" X 3 3/8"         |
| 7    | 1    | 407105   | BUSH, LINK SPACER 1 1/2 OD X .77ID X 7IN |
| 8    | 7    | 250609   | PIN, COILED SPRING - 3/8 X 3 IN - PL     |
| 9    | 1    | 250060   | BOLT, HEX 3/4 X 10 UNC GR5 PL            |
| 10   | 2    | 250552   | WASHER, FLAT 3/4IN GR8 PL                |
| 11   | 1    | 250451   | NUT, HEX 3/4 UNC GR5 PL                  |



# Parts Description: M50/60/80CT Fifth Fold Links

| ITEM | QTY. | PART NO. | DESCRIPTION                                        |
|------|------|----------|----------------------------------------------------|
| 1    | 1    | 407524   | ASSY, HINGE LINK - M70 LIFT - LH - BLK             |
| 2    | 1    | 407525   | ASSY, HINGE LINK - M70 LIFT - RH - BLK             |
| 3    | 1    | 407519   | ASSY, HINGE LINK - M70 - 21 1/2" - MAIN - LH - BLK |
| 4    | 1    | 407520   | ASSY, HINGE LINK - M70 - MAIN - RH - BLK           |
| 5    | 1    | 407070   | ASSY, HINGE PIN - 2 IN - BLK                       |
| 6    | 6    | 407075   | ASSY, LINK PIN - 1 1/2" X 3 3/8"                   |
| 7    | 1    | 407105   | BUSH, LINK SPACER 1 1/2 OD X .77ID X 7IN           |
| 8    | 7    | 250609   | PIN, COILED SPRING - 3/8 X 3 IN - PL               |
| 9    | 1    | 250060   | BOLT, HEX 3/4 X 10 UNC GR5 PL                      |
| 10   | 2    | 250552   | WASHER, FLAT 3/4IN GR8 PL                          |
| 11   | 1    | 250451   | NUT, HEX 3/4 UNC GR5 PL                            |

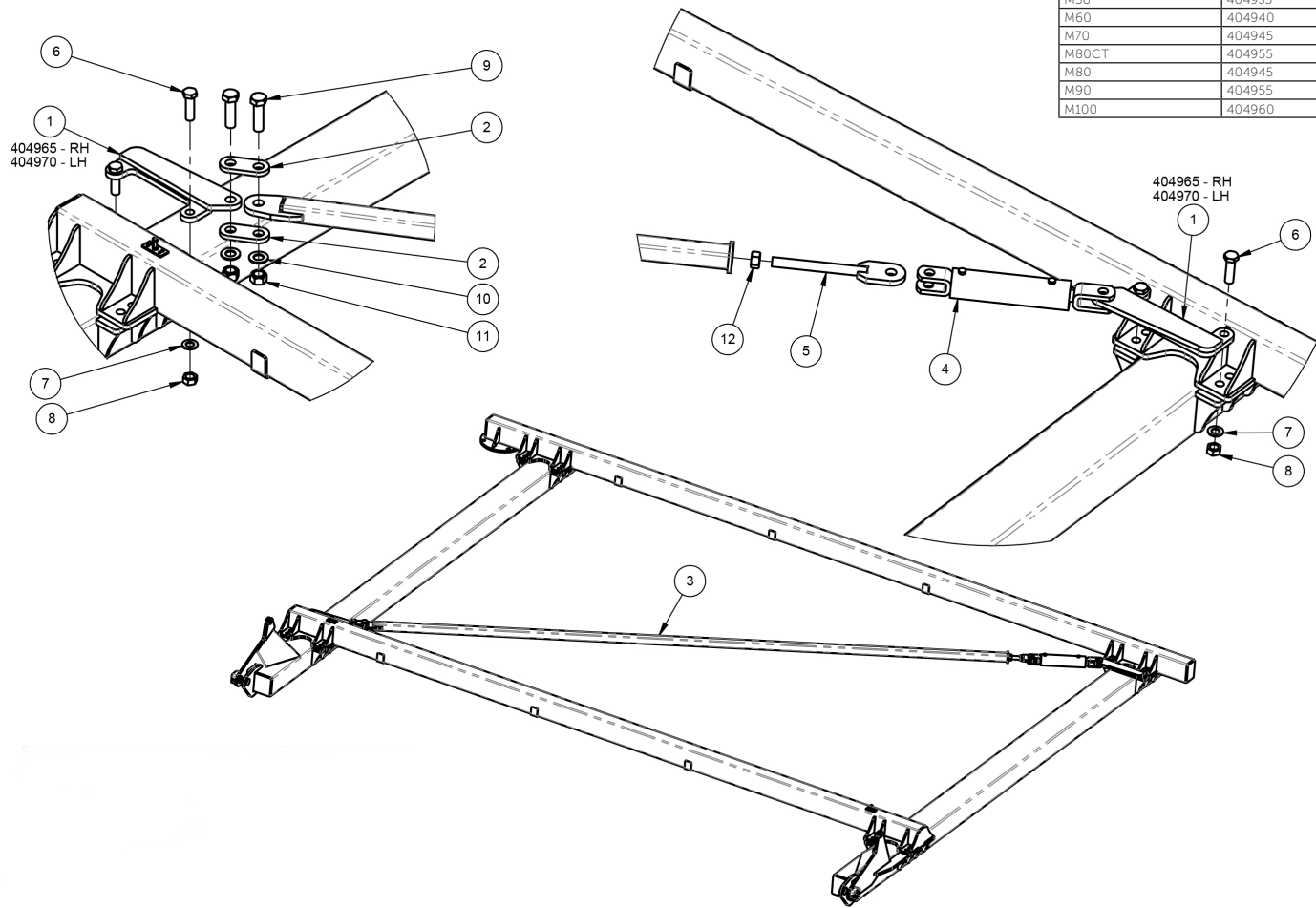


# Parts Description:

## Active Wing Brace

| ITEM | QTY. | PART NO. | DESCRIPTION                                                 |
|------|------|----------|-------------------------------------------------------------|
| 1    | 2    | 404965   | ASSY, BOLT PLATE - RIGHT ADJUSTABLE ACTIVE WING BRACE - BLK |
| 2    | 2    | 404837   | PLATE, LINK 1/2 IN - ACTIVE WING BRACE                      |
| 3    | 1    | 404955   | ASSY, ADJUSTABLE ACTIVE WING BRACE TUBE - 180 1/8" - BLK    |
| 4    | 1    | 258550   | CYL, HYD 2 1/2 X 8 IN                                       |
| 5    | 1    | 404930   | ASSY, LUG - ADJUSTABLE ACTIVE WING BRACE - BLK              |
| 6    | 4    | 250044   | BOLT, HEX 7/8 X 3 IN UNC GR5 PL                             |
| 7    | 4    | 250553   | WASHER, FLAT 7/8IN GR8 PL                                   |
| 8    | 4    | 250452   | NUT, HEX - 7/8 UNC PL                                       |
| 9    | 2    | 250031   | BOLT, HEX 1 X 3 1/2 IN GR5 PL                               |
| 10   | 2    | 250554   | WASHER, FLAT - 1 IN GR8 PL                                  |
| 11   | 2    | 250505   | NUT, LOCK - 1 UNC - STOVER - PL                             |
| 12   | 1    | 250457   | NUT, HEX 1 UNC GR5 PL                                       |

| SUBSTITUTE FOR ITEMS 3 & 4 ACCORDING TO TABLE BELOW |                 |          |                       |          |
|-----------------------------------------------------|-----------------|----------|-----------------------|----------|
| FRAME                                               | MAIN WING BRACE |          | FIFTH FOLD WING BRACE |          |
|                                                     | BRACE TUBE      | CYLINDER | BRACE TUBE            | CYLINDER |
| WIDE 3-PLEX                                         | 404940          | 258550   |                       |          |
| STD 5-PLEX                                          | 404940          | 258550   |                       |          |
| 50CT 3-PLEX                                         | 404955          | 258549   |                       |          |
| M50                                                 | 404935          | 258550   |                       |          |
| M60                                                 | 404940          | 258550   |                       |          |
| M70                                                 | 404945          | 258549   |                       |          |
| M80CT                                               | 404955          | 258549   | 404935                | 258550   |
| M80                                                 | 404945          | 258549   |                       |          |
| M90                                                 | 404955          | 258549   | 404940                | 258550   |
| M100                                                | 404960          | 258549   | 404950                | 258549   |

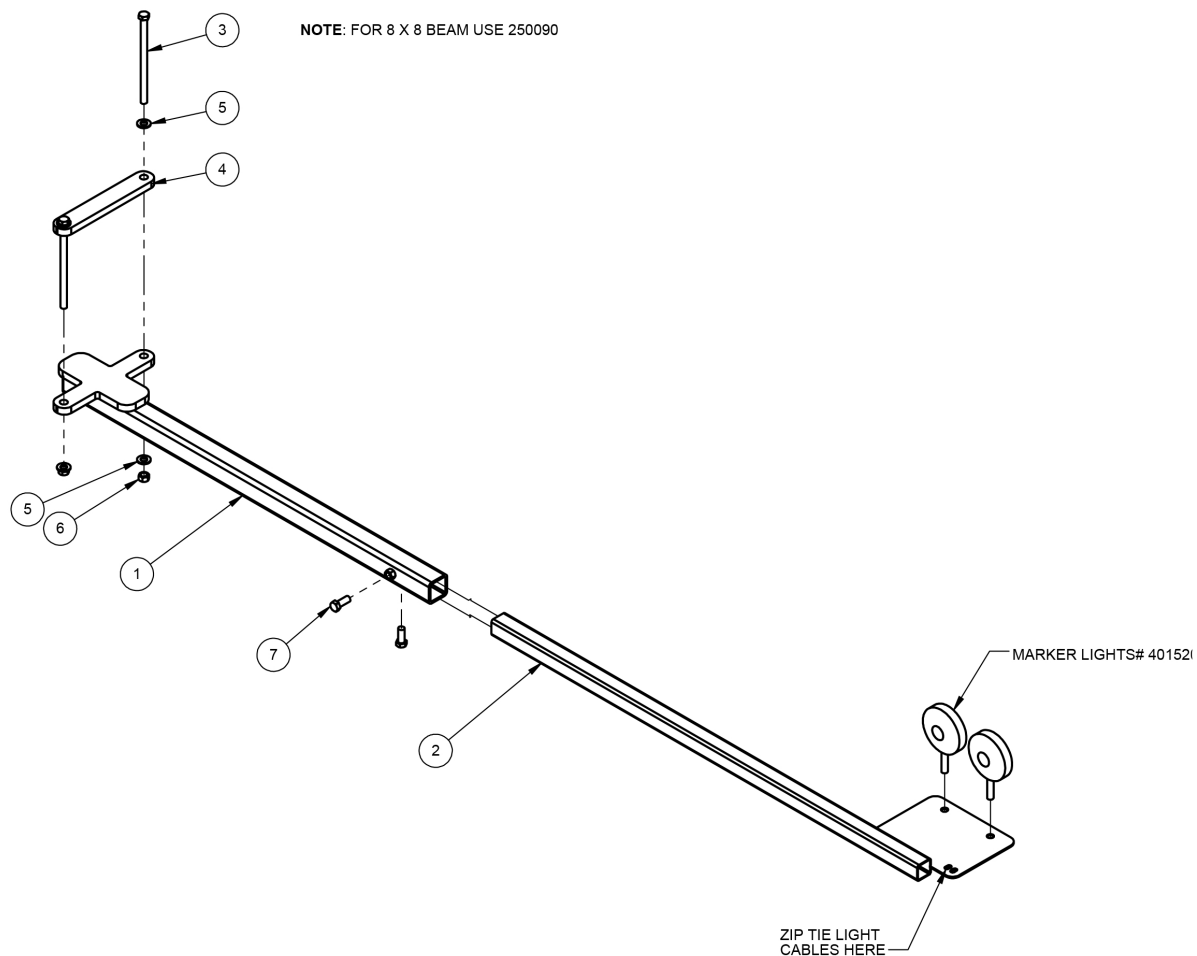


# Parts Description:

## Clearance Light Mount

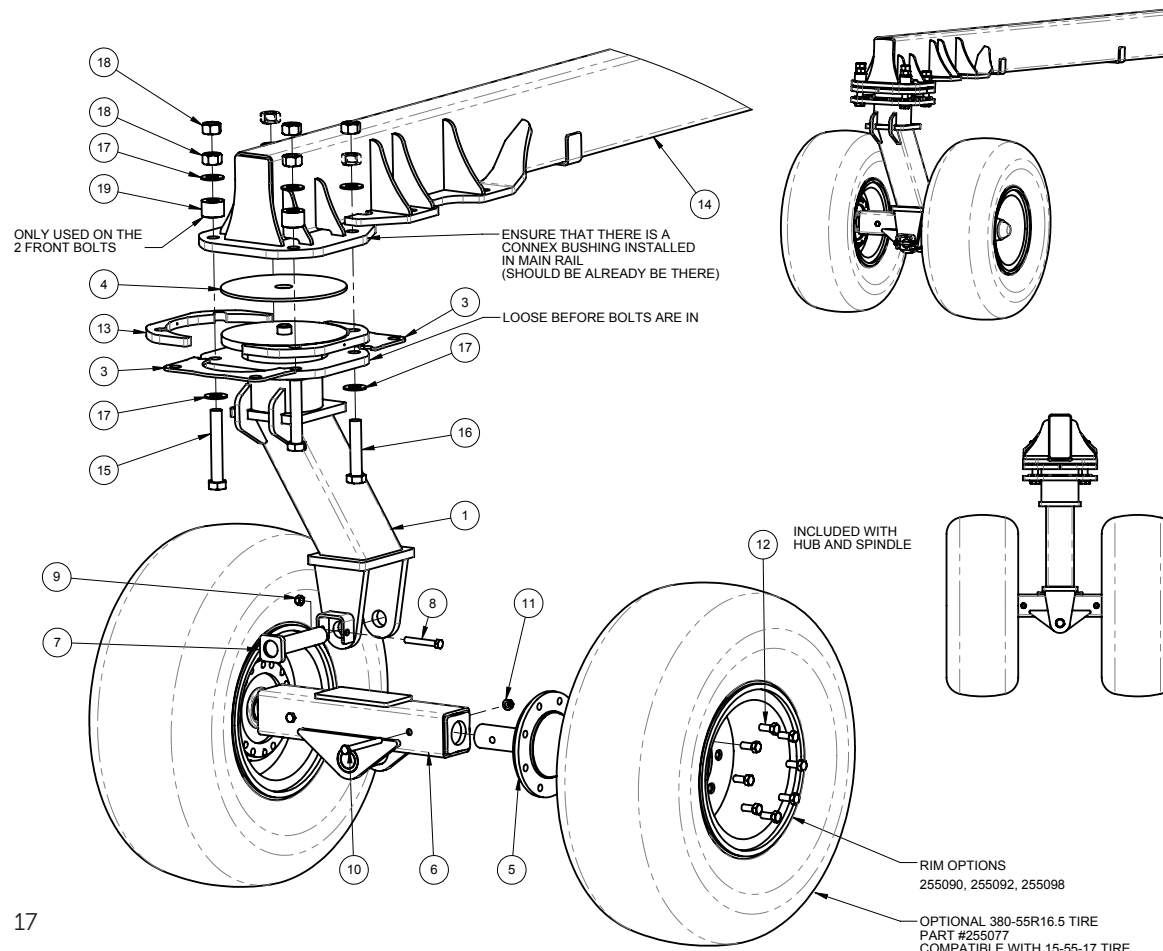
Part No. 400105 – 8 x 6 Beam  
400106 – 8 x 8 Beam

| ITEM | QTY. | PART NO. | DESCRIPTION                                |
|------|------|----------|--------------------------------------------|
| 1    | 1    | 400110   | ASSY, CLEARANCE LIGHT MOUNT                |
| 2    | 1    | 400115   | ASSY, CLEARANCE LIGHT ADJUSTABLE ARM       |
| 3    | 2    | 250069   | BOLT, HEX 1/2 X 8 IN GR5 PL                |
| 4    | 1    | 400113   | PLATE, BOLT 5/8 IN - CLEARANCE LIGHT MOUNT |
| 5    | 4    | 250555   | WASHER, FLAT - 1/2 IN - GR8 - PL           |
| 6    | 2    | 250450   | NUT, HEX 1/2 UNC GR5 PL                    |
| 7    | 2    | 250013   | BOLT, HEX 1/2 X 1 1/4 IN GR5 PL            |



# Parts Description: Heavy Dual Castor Bundle

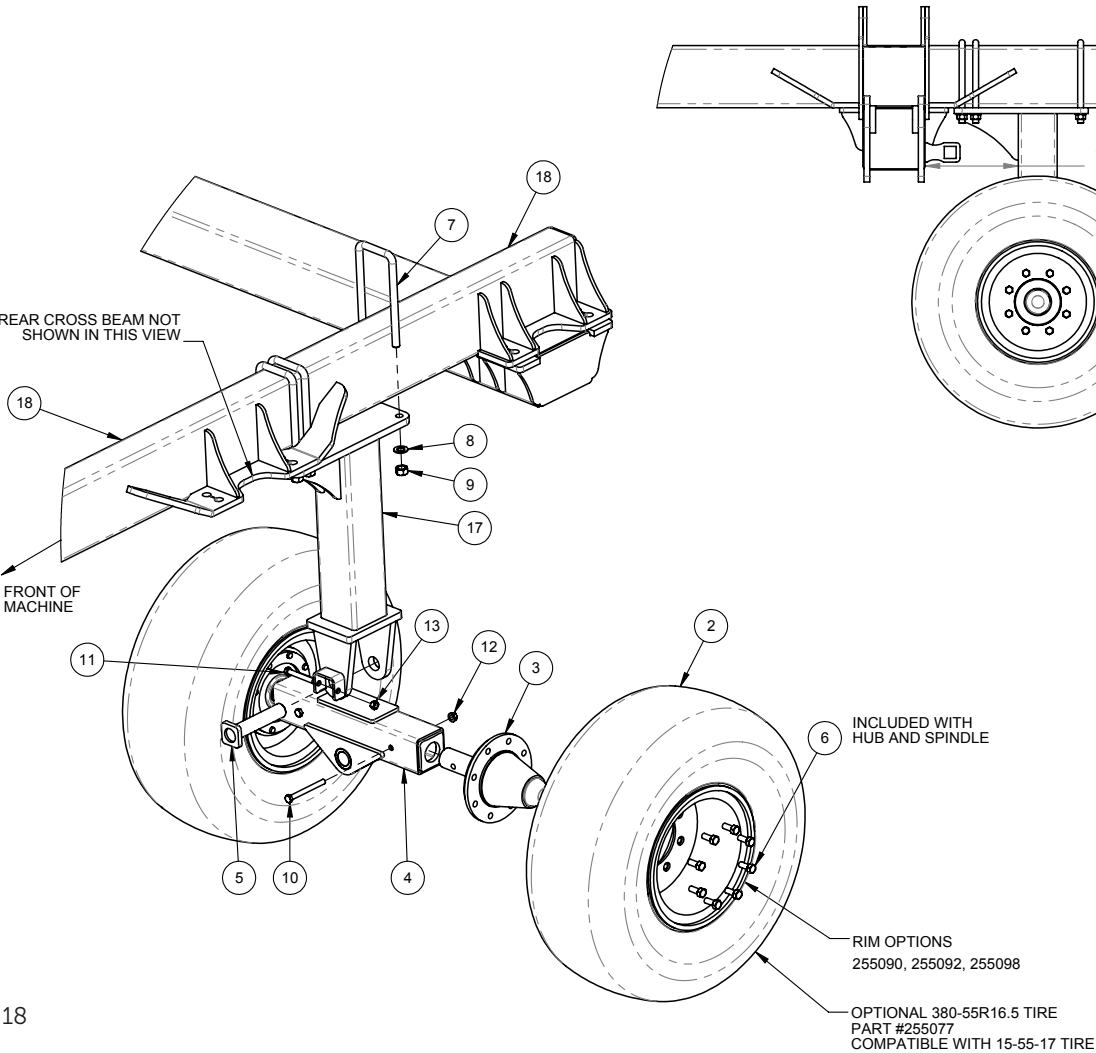
| ITEM | QTY. | PART NO. | DESCRIPTION                                                       |
|------|------|----------|-------------------------------------------------------------------|
| 1    | 1    | 405901   | ASSY, DUAL CASTOR - WALKING - HEAVY - BLK                         |
| 2    | 2    | 255076   | ASSY, TIRE - 12.5L15F1 - HWY SRV - 12 PLY - 8 BOLT - 1.5 NEG. OFF |
| 3    | 2    | 405911   | PAD, WEAR 1/4 IN - NYLON - BOTTOM                                 |
| 4    | 1    | 405910   | PAD, WEAR 1/4 IN - NYLON TOP                                      |
| 5    | 2    | 252001   | ASSY, HUB/SPINDLE - H811 - 2 1/8 IN STRAIGHT SPINDLE              |
| 6    | 1    | 404246   | ASSY, SPINDLE HOLDER - WALKING AXLE - 15/55-17 - BLK              |
| 7    | 1    | 404214   | ASSY, PIVOT PIN WALKING AXLE - SEEDMASTER                         |
| 8    | 1    | 250050   | BOLT, HEX 1/2 X 3 1/2 IN UNC GR5 PL                               |
| 9    | 1    | 250504   | NUT, LOCK - 1/2 UNC - STOVER - PL                                 |
| 10   | 2    | 250012   | BOLT, HEX 1/2 X 5 IN GR5 PL                                       |
| 11   | 2    | 250401   | NUT, FLANGE - 1/2 UNC PL                                          |
| 12   | 16   | 253010   | BOLT, WHEEL - HA614 HUB - WB17                                    |
| 13   | 2    | 405915-1 | PLATE, GREASE BLOCK - 3/4 IN - HEAVY CASTER                       |
| 14   | 1    | 407190-2 | ASSY, RAIL - MAIN FRM - SXX345 - BLK                              |
| 15   | 2    | 250121   | BOLT, HEX 1 X 6 1/2 UNC GR5 PL                                    |
| 16   | 2    | 250120   | BOLT, HEX 1 X 5 UNC GR5 PL                                        |
| 17   | 8    | 250554   | WASHER, FLAT - 1 IN GR8 PL                                        |
| 18   | 8    | 250457   | NUT, HEX 1 UNC GR5 PL                                             |
| 19   | 2    | 405916   | BUSH, 2 OD X 1.03125 ID X 1 3/8 IN - FRONT CASTER - PL            |



# Parts Description:

## Rear Walking Axle - Main Frame

### Part No. 404220-1



| ITEM | QTY. | PART NO. | DESCRIPTION                                                       |
|------|------|----------|-------------------------------------------------------------------|
| 2    | 2    | 255076   | ASSY, TIRE - 12.5L15F1 - HWY SRV - 12 PLY - 8 BOLT - 1.5 NEG. OFF |
| 3    | 2    | 252001   | ASSY, HUB/SPINDLE - H811 - 2 1/8 IN STRAIGHT SPINDLE              |
| 4    | 1    | 404246   | ASSY, SPINDLE HOLDER - WALKING AXLE - 15/55-17 - BLK              |
| 5    | 1    | 404214   | ASSY, PIVOT PIN WALKING AXLE - SEEDMASTER                         |
| 6    | 16   | 253010   | BOLT, WHEEL - HA614 HUB - WB17                                    |
| 7    | 3    | 250206   | BOLT, U-SQ - 3/4 UNC X 4 ID X 10 IN - 2 IN THD - GR8 PL           |
| 8    | 6    | 250552   | WASHER, FLAT 3/4IN GR8 PL                                         |
| 9    | 6    | 250451   | NUT, HEX 3/4 UNC GR5 PL                                           |
| 10   | 2    | 250012   | BOLT, HEX 1/2 X 5 IN GR5 PL                                       |
| 11   | 1    | 250050   | BOLT, HEX 1/2 X 3 1/2 IN UNC GR5 PL                               |
| 12   | 2    | 250401   | NUT, FLANGE - 1/2 UNC PL                                          |
| 13   | 1    | 250504   | NUT, LOCK - 1/2 UNC - STOVER - PL                                 |
| 15   | 1    | 400730   | ASSY, BEAM - REAR CROSS - WIDE 5 PLEX - BLK                       |
| 16   | 1    | 400773   | ASSY, REAR HITCH - WIDE FRM - BLK                                 |
| 17   | 1    | 404221-1 | ASSY, REAR AXLE - DUAL - 12.5L15 - BLK                            |
| 18   | 1    | 400390-8 | ASSY, RAIL - HVY MAIN FRM - BLK                                   |
| 17   | 8    | 250554   | WASHER, FLAT - 1 IN GR8 PL                                        |
| 18   | 8    | 250457   | NUT, HEX 1 UNC GR5 PL                                             |

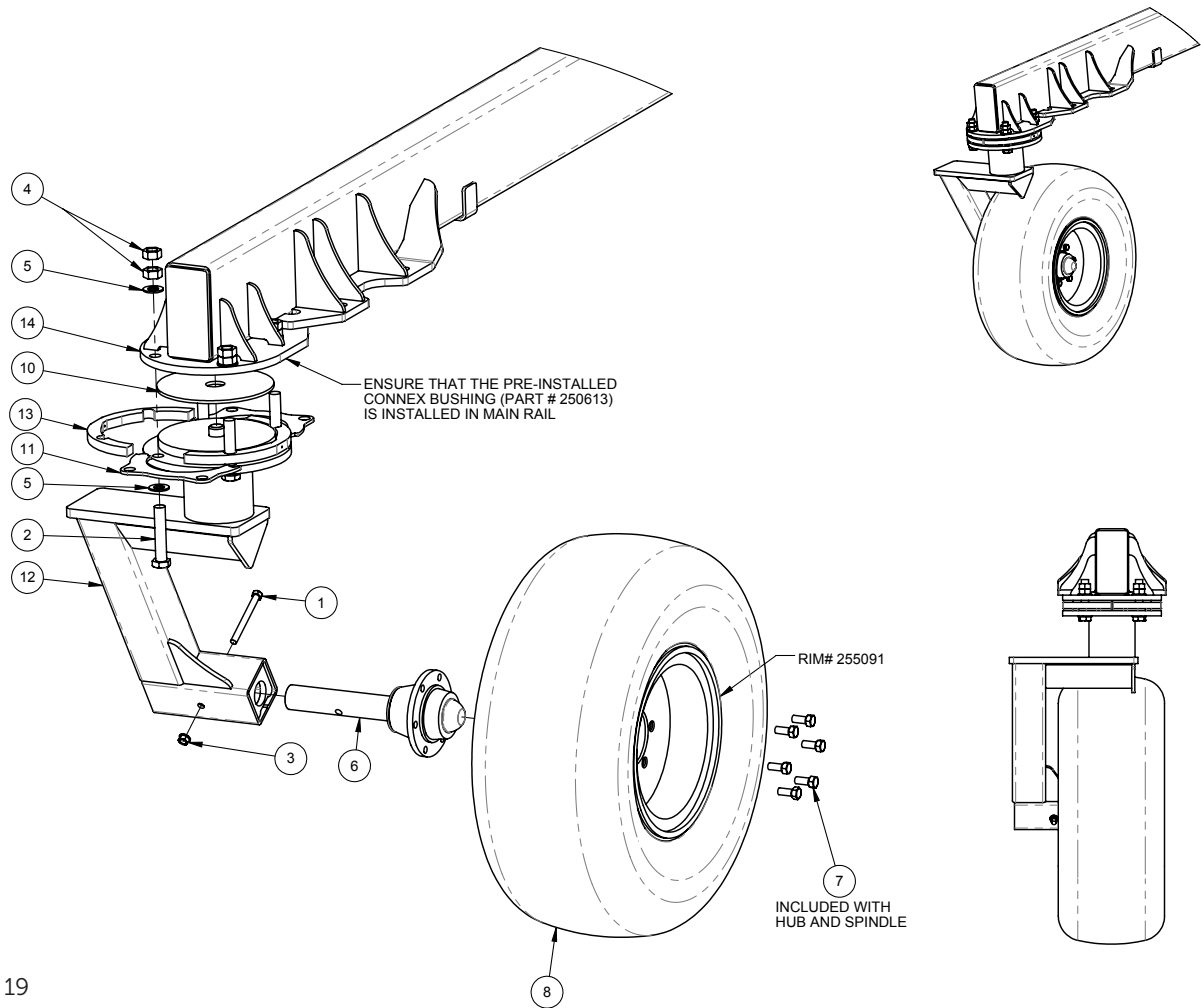


# Parts Description:

## Single Casyor Assembly

### Part No. 400285-2

| ITEM | QTY. | PART NO. | DESCRIPTION                                           |
|------|------|----------|-------------------------------------------------------|
| 1    | 1    | 250012   | BOLT, HEX 1/2 X 5 IN GR5 PL                           |
| 2    | 4    | 250029   | BOLT, HEX 7/8 X 4 1/2 UNC GR5 PL                      |
| 3    | 1    | 250401   | NUT, FLANGE - 1/2 UNC PL                              |
| 4    | 8    | 250452   | NUT, HEX - 7/8 UNC PL                                 |
| 5    | 8    | 250553   | WASHER, FLAT 7/8IN GR8 PL                             |
| 6    | 1    | 252000   | ASSY, HUB/SPINDLE - H614 - 2 IN STRAIGHT SPINDLE      |
| 7    | 6    | 253010   | BOLT, WHEEL - HA614 HUB - WB17                        |
| 8    | 1    | 255075   | ASSY, TIRE - 12.5L15 - 8 PLY - 6 BOLT - 1.12 POS. OFF |
| 9    | 1    | 256576   | CELLTITE SPONGE - 1/2 X 1 IN - A/B                    |
| 10   | 1    | 400280-2 | PAD, WEAR 1/4 IN - NYLON TOP                          |
| 11   | 2    | 400281-2 | PAD, WEAR 1/4 IN - NYLON - BOTTOM                     |
| 12   | 1    | 400286-3 | ASSY, SINGLE CASTOR - SEED MASTER - BLK               |
| 13   | 2    | 400317-2 | PLATE, GREASE BLOCK - 3/4 IN - CASTOR                 |
| 14   | 1    | 400390-8 | ASSY, RAIL - Hvy MAIN FRM - BLK                       |

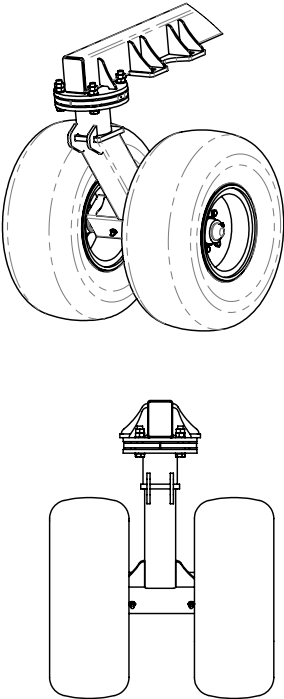
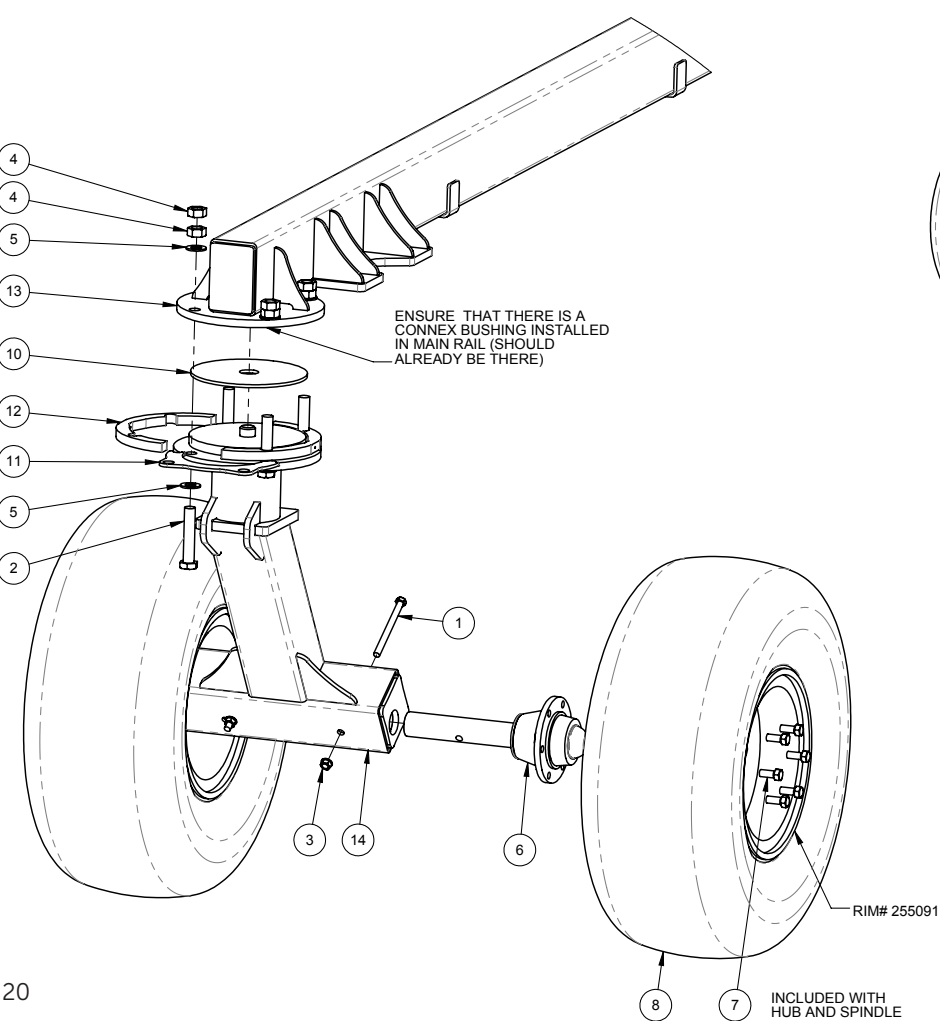


# Parts Description:

## Dual Wing Castor Assembly

### Part No. 404240

| ITEM | QTY. | PART NO. | DESCRIPTION                                           |
|------|------|----------|-------------------------------------------------------|
| 1    | 2    | 250011   | BOLT, HEX 1/2 X 6 IN GR5 PL                           |
| 2    | 4    | 250029   | BOLT, HEX 7/8 X 4 1/2 UNC GR5 PL                      |
| 3    | 2    | 250401   | NUT, FLANGE - 1/2 UNC PL                              |
| 4    | 8    | 250452   | NUT, HEX - 7/8 UNC PL                                 |
| 5    | 8    | 250553   | WASHER, FLAT 7/8IN GR8 PL                             |
| 6    | 2    | 252000   | ASSY, HUB/SPINDLE - H614 - 2 IN STRAIGHT SPINDLE      |
| 7    | 12   | 253010   | BOLT, WHEEL - HA614 HUB - WB17                        |
| 8    | 2    | 255075   | ASSY, TIRE - 12.5L15 - 8 PLY - 6 BOLT - 1.12 POS. OFF |
| 9    | 1    | 256576   | CELLTITE SPONGE - 1/2 X 1 IN - A/B                    |
| 10   | 1    | 400280-2 | PAD, WEAR 1/4 IN - NYLON TOP                          |
| 11   | 2    | 400281-2 | PAD, WEAR 1/4 IN - NYLON - BOTTOM                     |
| 12   | 2    | 400317-2 | PLATE, GREASE BLOCK - 3/4 IN - CASTOR                 |
| 13   | 1    | 400410-3 | ASSY, WING RAIL - OUTSIDE - BLK                       |
| 14   | 1    | 404241   | ASSY, DUAL WING CASTOR - 12.5L16 - BLK                |





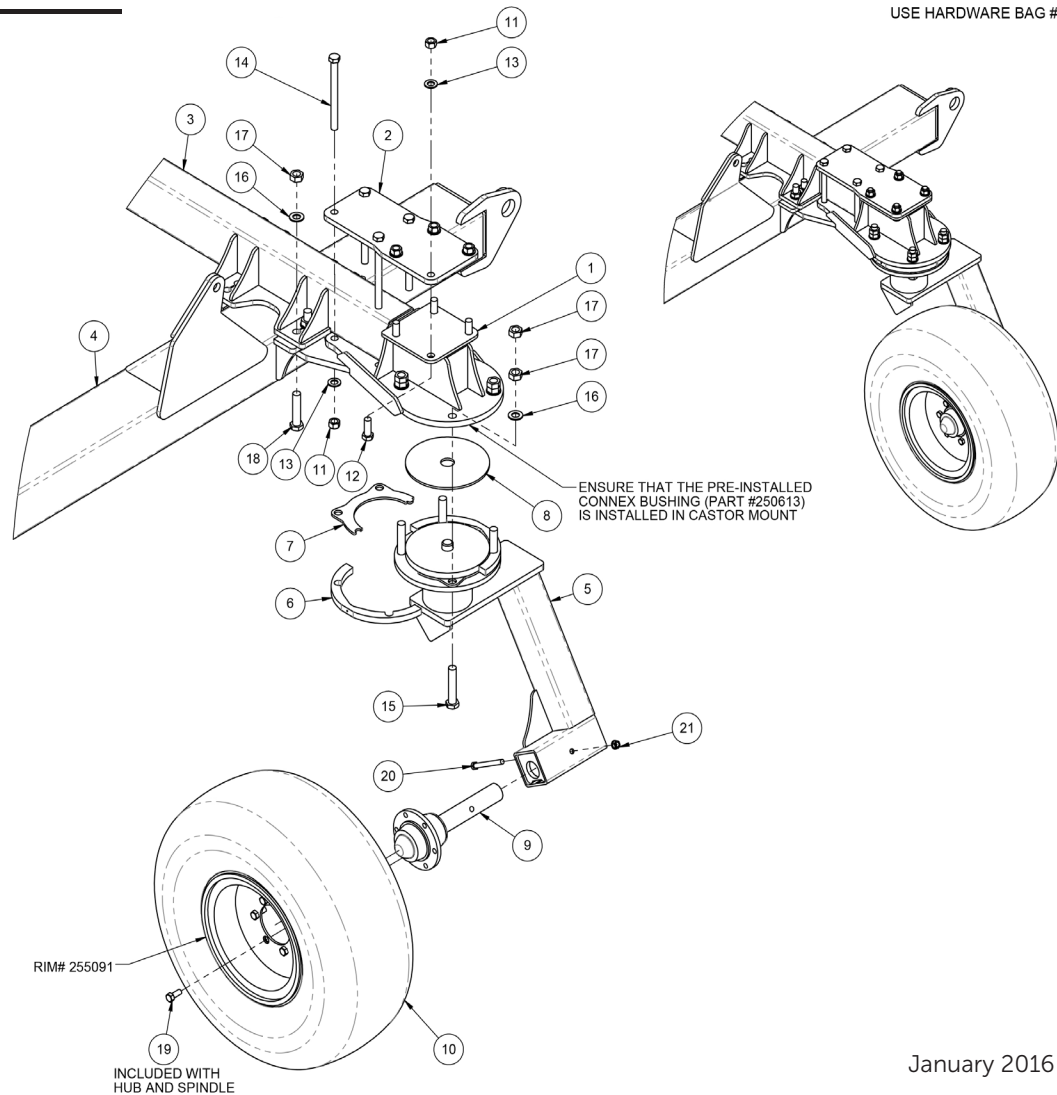
# Parts Description:

## Rear Wing Castor Assembly

### Part No. 404230-2

| ITEM | QTY. | PART NO. | DESCRIPTION                                           |
|------|------|----------|-------------------------------------------------------|
| 1    | 1    | 404231-2 | ASSY, CASTOR MOUNT - REAR WING - BLK                  |
| 2    | 1    | 404197   | PLATE, BOLT 5/8 IN - REAR WING CASTOR TOP PLATE       |
| 3    | 1    | 400410-3 | ASSY, WING RAIL - OUTSIDE - BLK                       |
| 4    | 1    | 400750-3 | ASSY, REAR BEAM - WING - RH - WIDE 5 PLEX - BLK       |
| 5    | 1    | 400286-3 | ASSY, SINGLE CASTOR - SEED MASTER - BLK               |
| 6    | 2    | 400317-2 | PLATE, GREASE BLOCK - 3/4 IN - CASTOR                 |
| 7    | 2    | 400281-2 | PAD, WEAR 1/4 IN - NYLON - BOTTOM                     |
| 8    | 1    | 400280-2 | PAD, WEAR 1/4 IN - NYLON TOP                          |
| 9    | 1    | 252000   | ASSY, HUB/SPINDLE - H614 - 2 IN STRAIGHT SPINDLE      |
| 10   | 1    | 255075   | ASSY, TIRE - 12.5L15 - 8 PLY - 6 BOLT - 1.12 POS. OFF |
| 11   | 8    | 250451   | NUT, HEX 3/4 UNC GR5 PL                               |
| 12   | 4    | 250014   | BOLT, HEX 3/4 X 2 UNC GR5 PL                          |
| 13   | 8    | 250552   | WASHER, FLAT 3/4IN GR8 PL                             |
| 14   | 4    | 250076   | BOLT, HEX 3/4 X 9 UNC GR5 PL                          |
| 15   | 4    | 250029   | BOLT, HEX 7/8 X 4 1/2 UNC GR5 PL                      |
| 16   | 8    | 250553   | WASHER, FLAT 7/8IN GR8 PL                             |
| 17   | 12   | 250452   | NUT, HEX - 7/8 UNC PL                                 |
| 18   | 4    | 250008   | BOLT, HEX 7/8 X 4 UNC GR5 PL                          |
| 19   | 6    | 253010   | BOLT, WHEEL - HA614 HUB - WB17                        |
| 20   | 1    | 250012   | BOLT, HEX 1/2 X 5 IN GR5 PL                           |
| 21   | 1    | 250401   | NUT, FLANGE - 1/2 UNC PL                              |

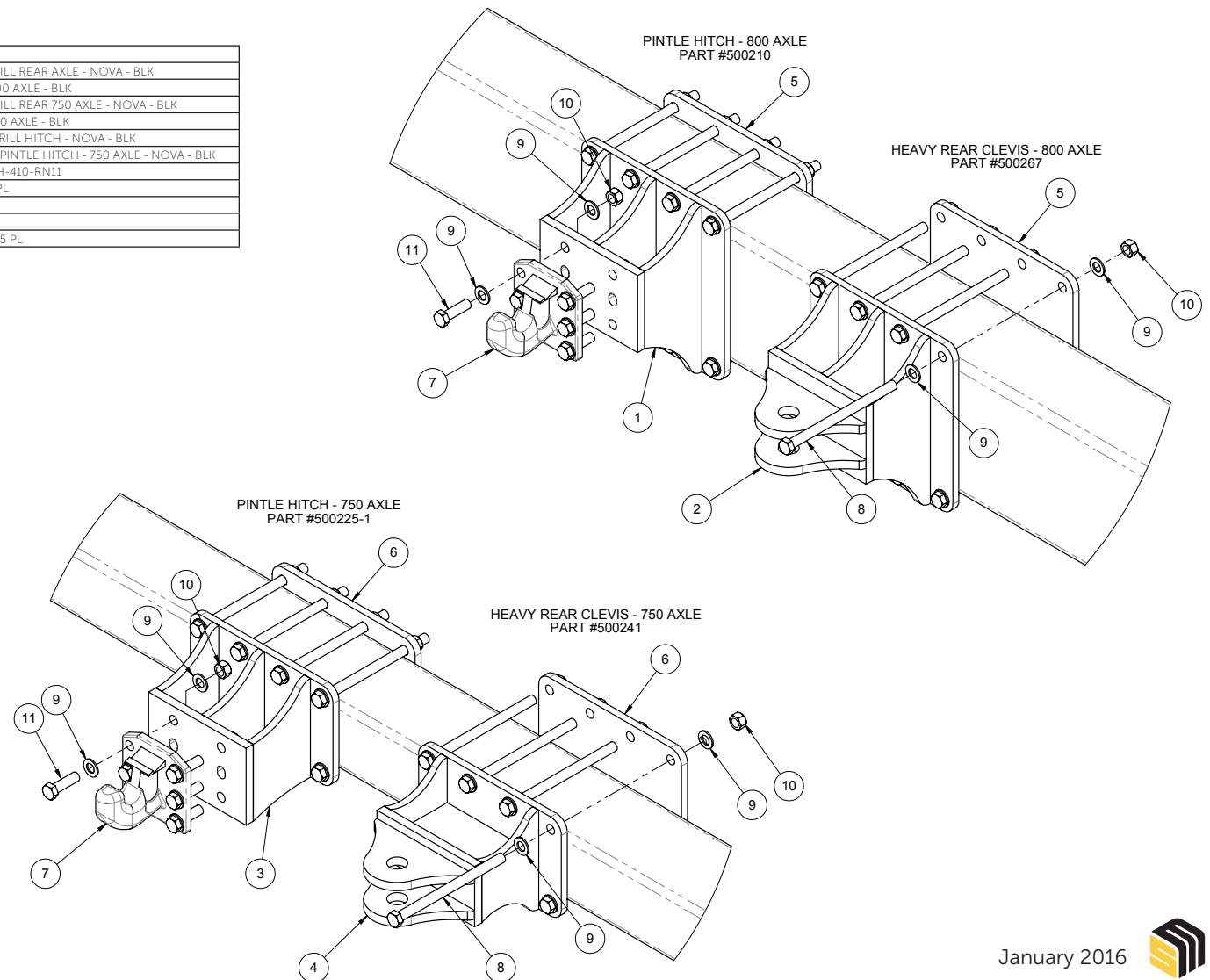
REAR CASTOR UPGRADE BDL#404237



# Parts Description:

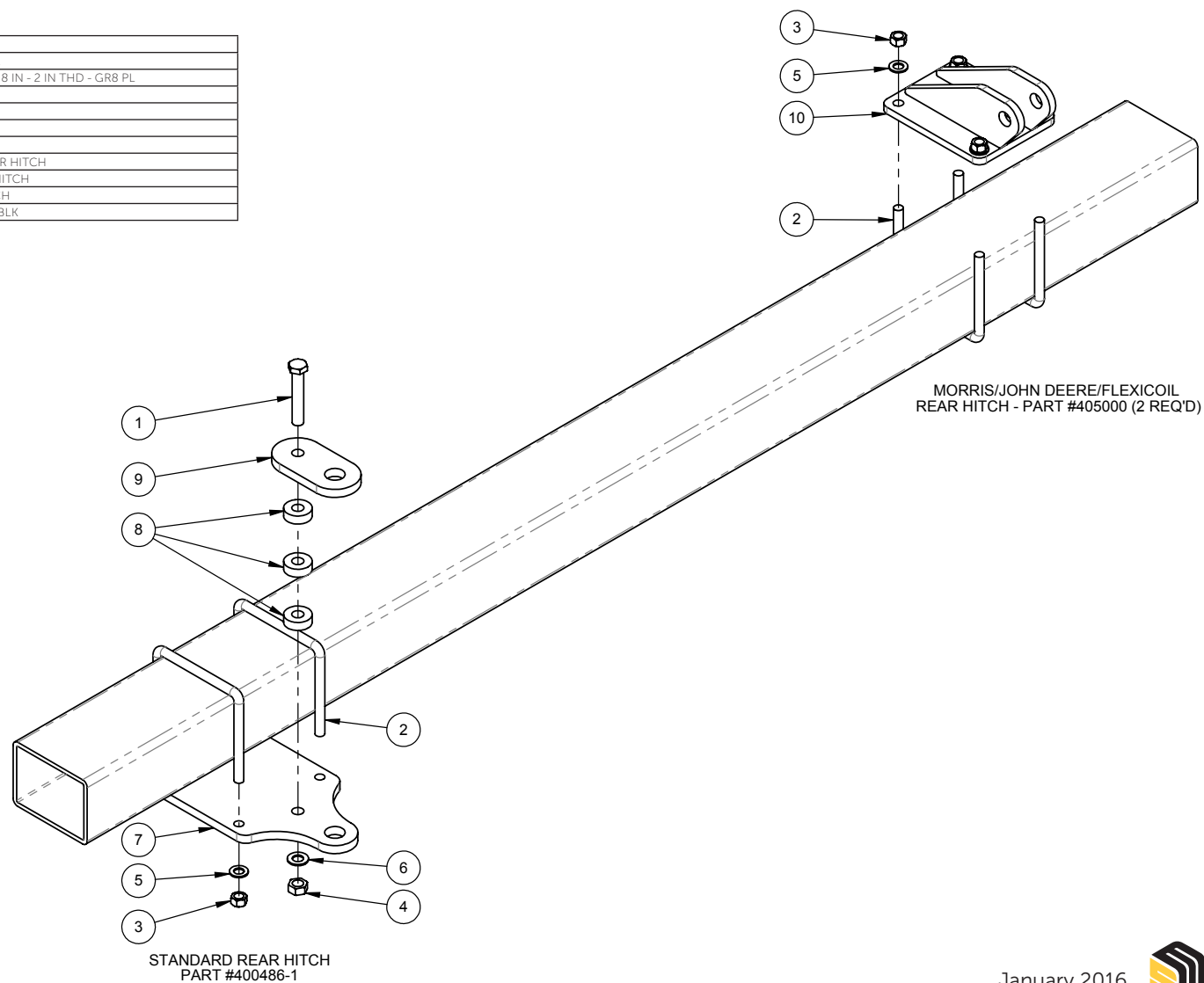
## Pintle and Heavy Clevis Hitches

| ITEM | QTY. | PART NO. | DESCRIPTION                                                       |
|------|------|----------|-------------------------------------------------------------------|
| 1    | 1    | 500211-1 | ASSY. PINTLE HITCH MNT - DRILL REAR AXLE - NOVA - BLK             |
| 2    | 1    | 500265   | ASSY. HEAVY REAR CLEVIS - 800 AXLE - BLK                          |
| 3    | 1    | 500226-1 | ASSY. PINTLE HITCH MNT - DRILL REAR 750 AXLE - NOVA - BLK         |
| 4    | 1    | 500242   | ASSY. HEAVY REAR CLEVIS - 750 AXLE - BLK                          |
| 5    | 2    | 500216   | PLATE, BOLT 5/8 IN - MAIN - DRILL HITCH - NOVA - BLK              |
| 6    | 2    | 500217-1 | PLATE, BOLT 5/8 IN - CLAMP - PINTLE HITCH - 750 AXLE - NOVA - BLK |
| 7    | 2    | 254512   | PINTLE HOOK - HOLLAND - PH-410-RN11                               |
| 8    | 32   | 250089   | BOLT, HEX 3/4 X 10 UNC GR5 PL                                     |
| 9    | 88   | 250552   | WASHER, FLAT 3/4IN GR8 PL                                         |
| 10   | 44   | 250451   | NUT, HEX 3/4 UNC GR5 PL                                           |
| 11   | 12   | 250003   | BOLT, HEX 3/4 X 2 1/2 UNC GR5 PL                                  |



# Parts Description: Rear Hitch Packages

| ITEM | QTY. | PART NO. | DESCRIPTION                                            |
|------|------|----------|--------------------------------------------------------|
| 1    | 1    | 250015   | BOLT, HEX 7/8 X 5 UNC GR5 PL                           |
| 2    | 4    | 250202   | BOLT, U-SQ - 3/4 UNC X 8 ID X 8 IN - 2 IN THD - GR8 PL |
| 3    | 8    | 250451   | NUT, HEX 3/4 UNC GR5 PL                                |
| 4    | 1    | 250452   | NUT, HEX - 7/8 UNC PL                                  |
| 5    | 8    | 250552   | WASHER, FLAT 3/4IN GR8 PL                              |
| 6    | 1    | 250553   | WASHER, FLAT 7/8IN GR8 PL                              |
| 7    | 1    | 400487-2 | PLATE, BOLT 3/4 IN - 8 X 6 REAR HITCH                  |
| 8    | 3    | 400488-1 | PLATE, SPACER 3/4 IN - REAR HITCH                      |
| 9    | 1    | 400489-1 | PLATE, TOP 3/4 IN - REAR HITCH                         |
| 10   | 1    | 405001-2 | ASSY, REAR HITCH - MORRIS - BLK                        |

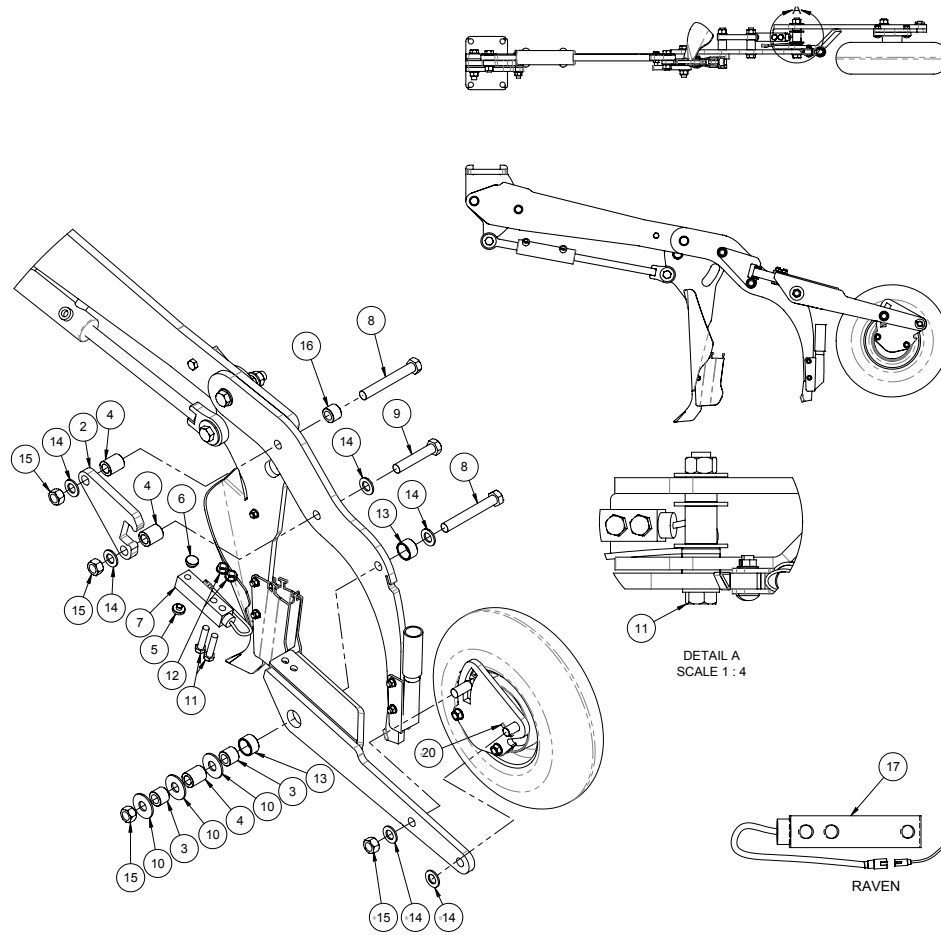


# Parts Description:

## Opener Force Sensor Bundle

### Part No. 404155 - Raven Control

### 404150-1 - ISO Control



\* THESE ITEMS ARE INCLUDED WITH THE OPENER

| 404155                            |      |          |                                                  |
|-----------------------------------|------|----------|--------------------------------------------------|
| ITEM                              | QTY. | PART NO. | DESCRIPTION                                      |
| 1                                 | 1    | 404151   | ASSY, PACKING SENSOR ARM - BLK                   |
| 2                                 | 1    | 404141   | PLATE, MOUNT - 3/4 IN - PACKING SENSOR MNT PLATE |
| 3                                 | 2    | 400223   | BUSH, PIVOT SPACER 1 1/4OD X .77ID X 1 IN        |
| 4                                 | 3    | 404146   | BUSH, SPACER 1 1/4OD X .77ID X 1 1/2 IN          |
| 5                                 | 1    | 404147   | SPACER, BOTTOM LOAD CELL - PACKING SENSOR        |
| 6                                 | 1    | 404148   | SPACER, TOP LOAD CELL - PACKING SENSOR           |
| 7                                 | 1    | 260693   | LOAD CELL, PFS - SEEDMASTER                      |
| 8                                 | 2    | 250005   | BOLT, HEX 3/4 X 5 1/2 UNC GR5 PL                 |
| 9                                 | 1    | 250025   | BOLT, HEX 3/4 X 4 UNC GR5 PL                     |
| 10                                | 3    | 250551   | WASHER, FLAT 3/4 IN PL                           |
| 11                                | 2    | 250000   | BOLT, HEX 1/2 X 2 1/4 IN GR5 PL                  |
| 12                                | 2    | 250401   | NUT, FLANGE - 1/2 UNC PL                         |
| 13                                | 2    | 250601   | BUSH, 1 1/2OD X 1 1/4ID X 7/8 IN - CONNEX        |
| 14                                | 6    | 250552   | WASHER, FLAT 3/4IN GR8 PL                        |
| 15                                | 4    | 250451   | NUT, HEX 3/4 UNC GR5 PL                          |
| 16                                | 1    | 400241-2 | BUSH, CYL SPACER 1.124 OD X .77ID X .9 IN        |
| 17                                | 1    | 260693   | LOAD CELL, PFS - SEEDMASTER                      |
| 18                                | 1    | 260694   | CABLE, EXT - PFS - 24FT - RAVEN                  |
| 19                                | 1    | 250607   | PIN, SPRING - 3/16 X 1 1/4 IN                    |
| 404150-1 (Substitute Items Below) |      |          |                                                  |
| ITEM                              | QTY. | PART NO. | DESCRIPTION                                      |
| 17                                | 1    | 270116   | LOAD CELL, NON-AMPLIFIED - DIGI-STAR             |
| 18                                | 1    | 270129   | CABLE, EXT - ISO PFS - 24FT - RAVEN              |

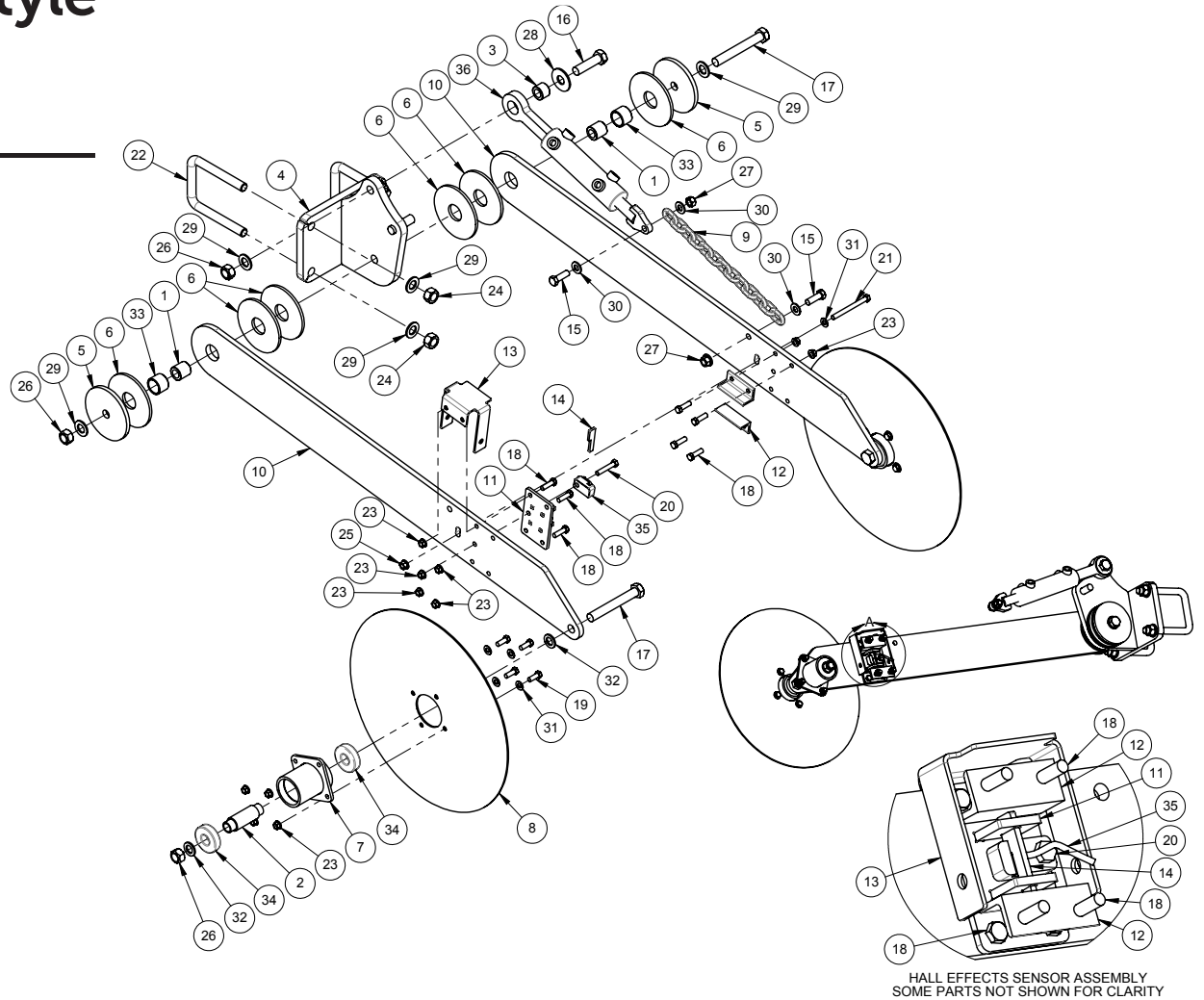


# Parts Description:

## Smart Hitch Sensor Bundle - Hall Effect Sensor Style

### Part No. 405700

| ITEM | QTY. | PART NO. | DESCRIPTION                                            |
|------|------|----------|--------------------------------------------------------|
| 1    | 2    | 400222   | BUSH, PIVOT SPACER 1 1/4OD X .77ID X 1.25 IN           |
| 2    | 2    | 400240-1 | BUSH, SPACER 1 1/4OD X .240W X 3.925IN - PACKER        |
| 3    | 1    | 400241-2 | BUSH, CYL SPACER 1.124 OD X .77ID X .9 IN              |
| 4    | 1    | 400935-2 | ASSY, HANGING BRKT - SH SENSOR - BLK                   |
| 5    | 2    | 400947   | PLATE, CLAMP 3/8 IN - MAIN PIVOT - BLK                 |
| 6    | 6    | 400948   | PAD, WEAR 1/4 IN - UHMW - SH PIVOT                     |
| 7    | 2    | 400950   | ASSY, SMART HITCH SENSOR - YLW                         |
| 8    | 2    | 400952   | SHEET, DISK - 10 GA - SMART HITCH                      |
| 9    | 1    | 400957   | CHAIN, LIFT - 5/16 GR70 - 13 LINKS                     |
| 10   | 2    | 405705   | PLATE, MAIN ARM 1/2 IN - SMART HITCH                   |
| 11   | 1    | 405710   | ASSY, HOLDER - HALL EFFECT SENSOR - BLK                |
| 12   | 2    | 405715   | ANGLE, STOP - SMART HITCH - HALL EFFECT - BLK          |
| 13   | 1    | 405716-1 | PLATE, FRMD 10GA - SMART HITCH SENSOR SHEILD - BLK     |
| 14   | 1    | 405717   | PLATE, KEY - 3/16 IN - SMART HITCH - HALL EFFECT - BLK |
| 15   | 2    | 250001   | BOLT, HEX 1/2 X 1 1/2 IN GR5 PL                        |
| 16   | 1    | 250004   | BOLT, HEX 3/4 X 2 3/4 UNC GR5 PL                       |
| 17   | 3    | 250005   | BOLT, HEX 3/4 X 5 1/2 UNC GR5 PL                       |
| 18   | 8    | 250019   | BOLT, HEX 3/8 X 1 1/4 IN GR5 PL                        |
| 19   | 8    | 250036   | BOLT, HEX 3/8 X 1 IN GR5 PL                            |
| 20   | 1    | 250039   | BOLT, HEX 3/8 X 2 IN GR5 PL                            |
| 21   | 1    | 250086   | BOLT, HEX 3/8 X 4 IN GR5 PL                            |
| 22   | 2    | 250201   | BOLT, U-SQ - 3/4 UNC X 4 ID X 6 IN - 2 IN THD - GR5 PL |
| 23   | 17   | 250400   | NUT, FLANGE - 3/8 UNC PL                               |
| 24   | 4    | 250451   | NUT, HEX 3/4 UNC GR5 PL                                |
| 25   | 1    | 250453   | NUT, HEX - 3/8 UNC PL                                  |
| 26   | 4    | 250501   | NUT, LOCK - 3/4 UNC - STOVER - PL                      |
| 27   | 2    | 250504   | NUT, LOCK - 1/2 UNC - STOVER - PL                      |
| 28   | 1    | 250551   | WASHER, FLAT 3/4 IN PL                                 |
| 29   | 7    | 250552   | WASHER, FLAT 3/4IN GR8 PL                              |
| 30   | 4    | 250555   | WASHER, FLAT - 1/2 IN - GR8 - PL                       |
| 31   | 10   | 250557   | WASHER, FLAT - 3/8 IN GR8 PL                           |
| 32   | 4    | 250602   | BUSH, 1 1/2OD X 3/4ID X 1.34IN - PL                    |
| 33   | 2    | 250604   | BUSH, 1 1/2OD X 1 1/4ID X 1 1/8 IN - CONNEX            |
| 34   | 4    | 250705   | BEARING, BALL - BEI 6305 2RS                           |
| 35   | 1    | 257110   | SENSOR, HALL EFFECT - SMART HITCH                      |
| 36   | 1    | 258545   | CYL, HYD 1 3/4 X 4 IN - SMART HITCH                    |





## Parts Description:

### Lift Kit Bundles

Part No. 404800 - Standard Frame

404801-1 - M-Fold Frame

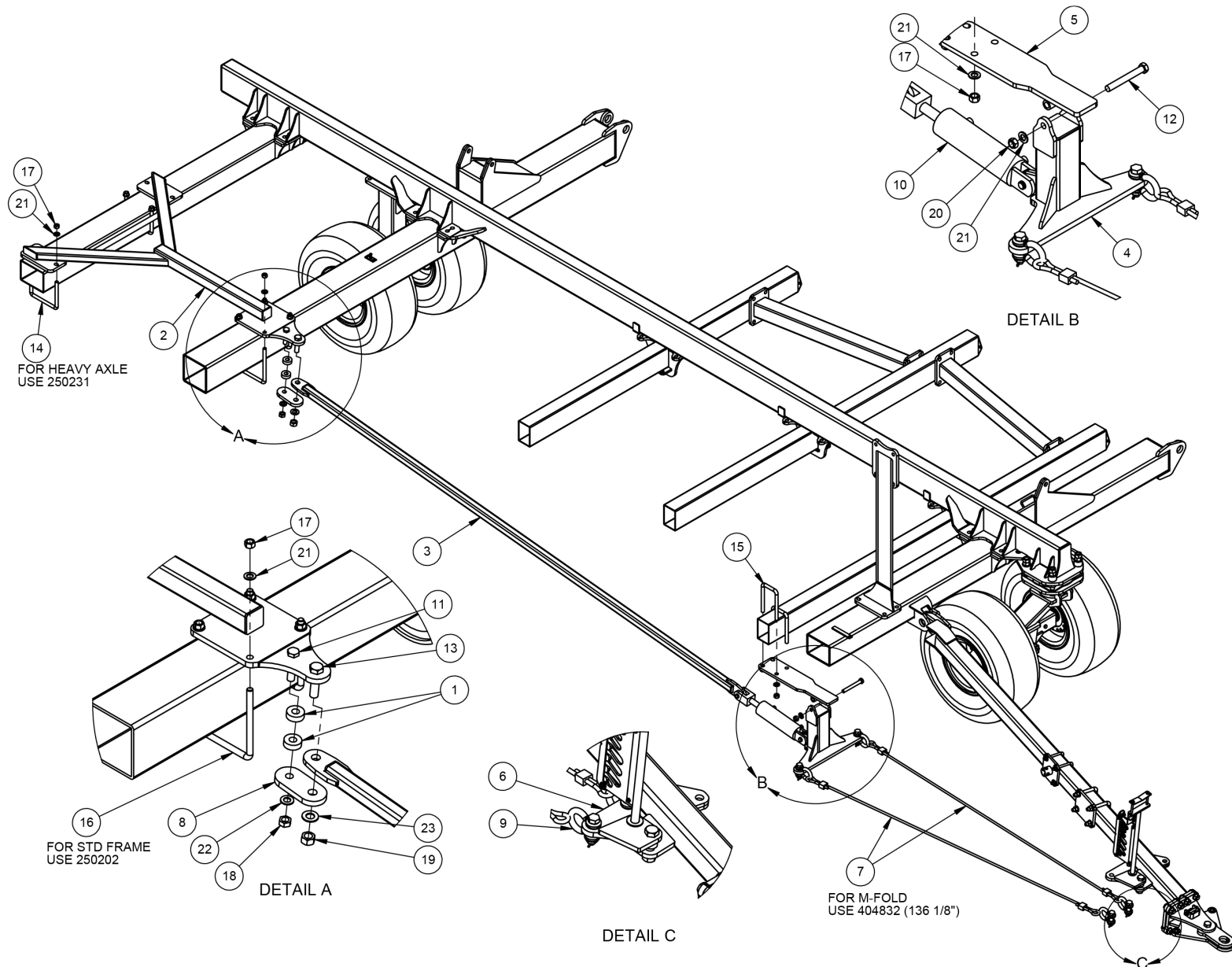
404900 - Standard with Heavy Axle

404902-1 - M-Fold with Heavy Axle

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| ITEM | QTY. | PART NO. | DESCRIPTION                                              |
|------|------|----------|----------------------------------------------------------|
| 1    | 2    | 400488-1 | PLATE, SPACER 3/4 IN - REAR HITCH                        |
| 2    | 1    | 404906-2 | ASSY, LIFT KIT - REAR BEAM MNT - 550 RAILS/SXX305 - NOVA |
| 3    | 1    | 404810   | ASSY, LIFT KIT - REAR LINK                               |
| 4    | 1    | 404815   | ASSY, LIFTKIT - MIDDLE POST                              |
| 5    | 1    | 404825-1 | ASSY, LIFTKIT - MIDDLE POST MOUNT                        |
| 6    | 1    | 404830   | PLATE, LINK 3/4 IN - CABLE LINK                          |
| 7    | 2    | 404831   | CABLE, 92 IN                                             |
| 8    | 1    | 404833   | PLATE, LINK 3/4 IN - LIFT KIT REAR LINK                  |
| 9    | 4    | 254545   | ACTIVE WING BRACE SHACKLE                                |
| 10   | 1    | 258549   | CYL, HYD 3 X 8 IN - ACTIVE WING                          |
| 11   | 1    | 250008   | BOLT, HEX 7/8 X 4 UNC GR5 PL                             |
| 12   | 1    | 250022   | BOLT, HEX 3/4 X 5 1/2 UNC GR5 PL                         |
| 13   | 1    | 250032   | BOLT, HEX 1 X 4 IN UNC GR5 PL                            |
| 14   | 2    | 250202   | BOLT, U-SQ - 3/4 UNC X 8 ID X 8 IN - 2 IN THD - GR8 PL   |
| 15   | 2    | 250204   | BOLT, U-SQ - 3/4 UNC X 4 ID X 8 IN - 2 IN THD - GR8 PL   |
| 16   | 2    | 250220   | BOLT, U-SQ - 3/4 UNC X 8 ID X 10 IN - 2 IN THD - GR8 PL  |
| 17   | 12   | 250451   | NUT, HEX 3/4 UNC GR5 PL                                  |
| 18   | 1    | 250452   | NUT, HEX - 7/8 UNC PL                                    |
| 19   | 1    | 250457   | NUT, HEX 1 UNC GR5 PL                                    |
| 20   | 1    | 250501   | NUT, LOCK - 3/4 UNC - STOVER - PL                        |
| 21   | 13   | 250552   | WASHER, FLAT 3/4IN GR8 PL                                |
| 22   | 1    | 250553   | WASHER, FLAT 7/8IN GR8 PL                                |
| 23   | 1    | 250554   | WASHER, FLAT - 1 IN GR8 PL                               |





# Parts Description:

## Wheel, Hubs and Cylinders

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### Wheel and Hubs

| Location   | Wheel                   |        | Hub/Spindle |        | Bearing Kit |
|------------|-------------------------|--------|-------------|--------|-------------|
|            | Description             | Part#  | Description | Part # |             |
| Wings      | 12.5L15                 | 255075 | H614        | 252000 | 251990      |
| Main Frame | 12.5L15                 | 255076 | H811        | 252001 | 251991      |
| Main Frame | 15/55-17 OR 380-60R16.5 | 255077 | H811        | 252001 | 251991      |
| Rear       | 18.4L26                 | 255050 | HA817       | 254400 | 251995      |
| Rear       | 28L26                   | 255030 | H1010       | 252003 | 251992      |
| Rear       | DUAL 28L26 - INNER      | 255070 | H1030       | 252005 | 251994      |
| Rear       | DUAL 28L26 - OUTER      | 255071 |             |        |             |
| Rear       | 750/65R26               | 255078 | H1010       | 252003 | 251992      |
| Rear       | DUAL 750/65R26 - INNER  | 255079 | H1030       | 252005 | 251994      |
| Rear       | DUAL 750/65R26 - OUTER  | 255080 |             |        |             |
| Rear       | 30.5L32                 | 255060 | H1010       | 252003 | 251992      |
| Rear       | 800/65R32               | 255084 | H1020       | 252004 | 251993      |

### Cylinders and Seal Kits

| Location           | Cylinder    |        | Seal Kit |
|--------------------|-------------|--------|----------|
|                    | Description | Part#  | Part#    |
| Opener             | 1-3/4 x 4   | 258500 | 258475   |
| STD Wing**         | 3 x 24      | 258510 | 258478   |
| STD Wing**         | 4 x 24      | 258520 | 258480   |
| M-Fold Wing**      | 3 x 32      | 258548 | 258479   |
| M-Fold Wing**      | 4-1/2 x 32  | 258554 | 258481   |
| Smart Hitch Sensor | 1-3/4 x 4   | 258500 | 258475   |
| Waggle Plate       | 2-1/2 x 8   | 258550 | 258477   |
| Fill Auger         | 2 x 4       | 258551 | 258476   |
| Fill Auger         | 2 x 8       | 258552 | 258476   |
| Lift Kit           | 3 x 8       | 258549 | 258478   |
| Active Wing Brace* | 3 x 8       | 258549 | 258478   |
| Active Wing Brace* | 2-1/2 x 8   | 258550 | 258477   |

\*See Active Wing Cylinder page for correct cylinder size

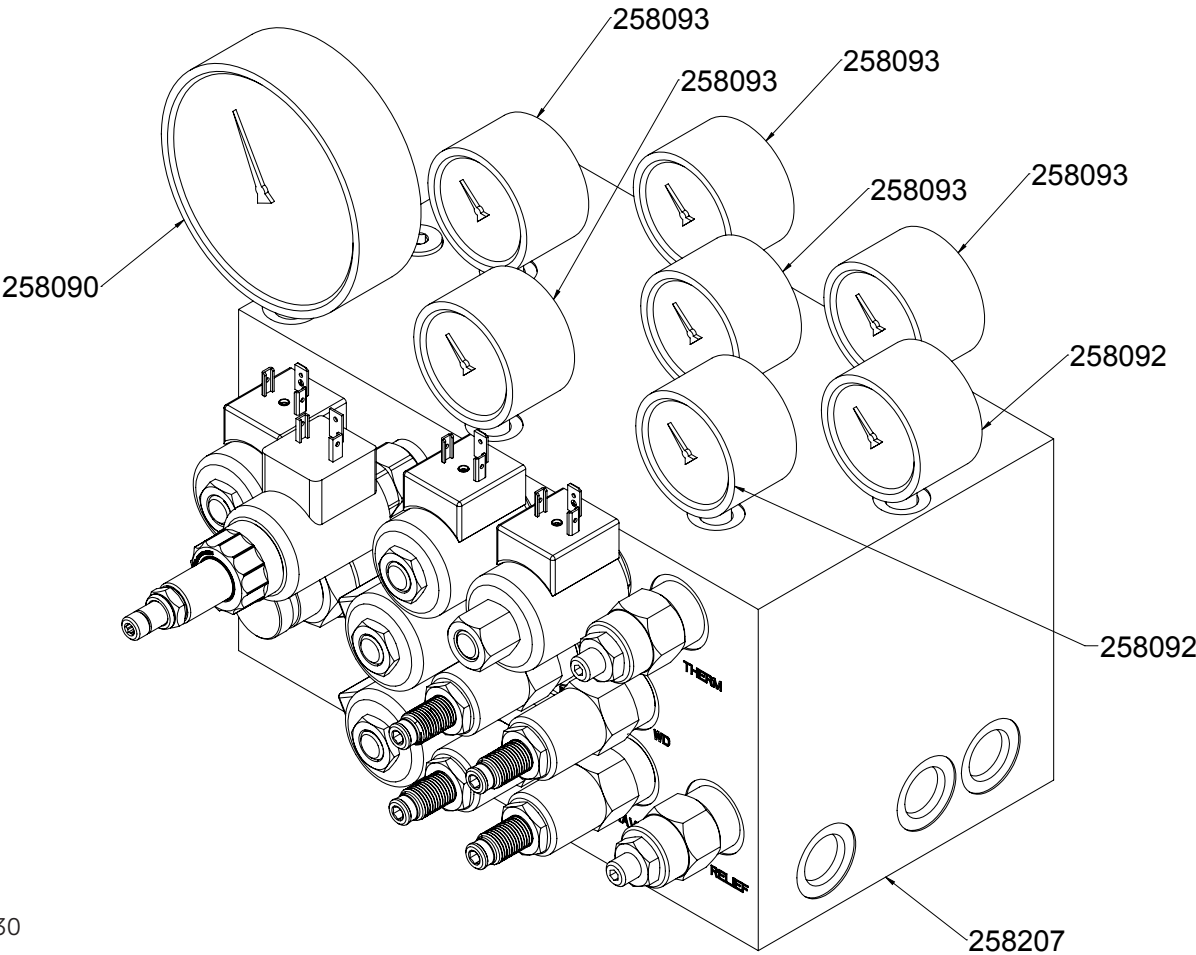
\*\*See Wing Cylinder layout page for correct cylinder size

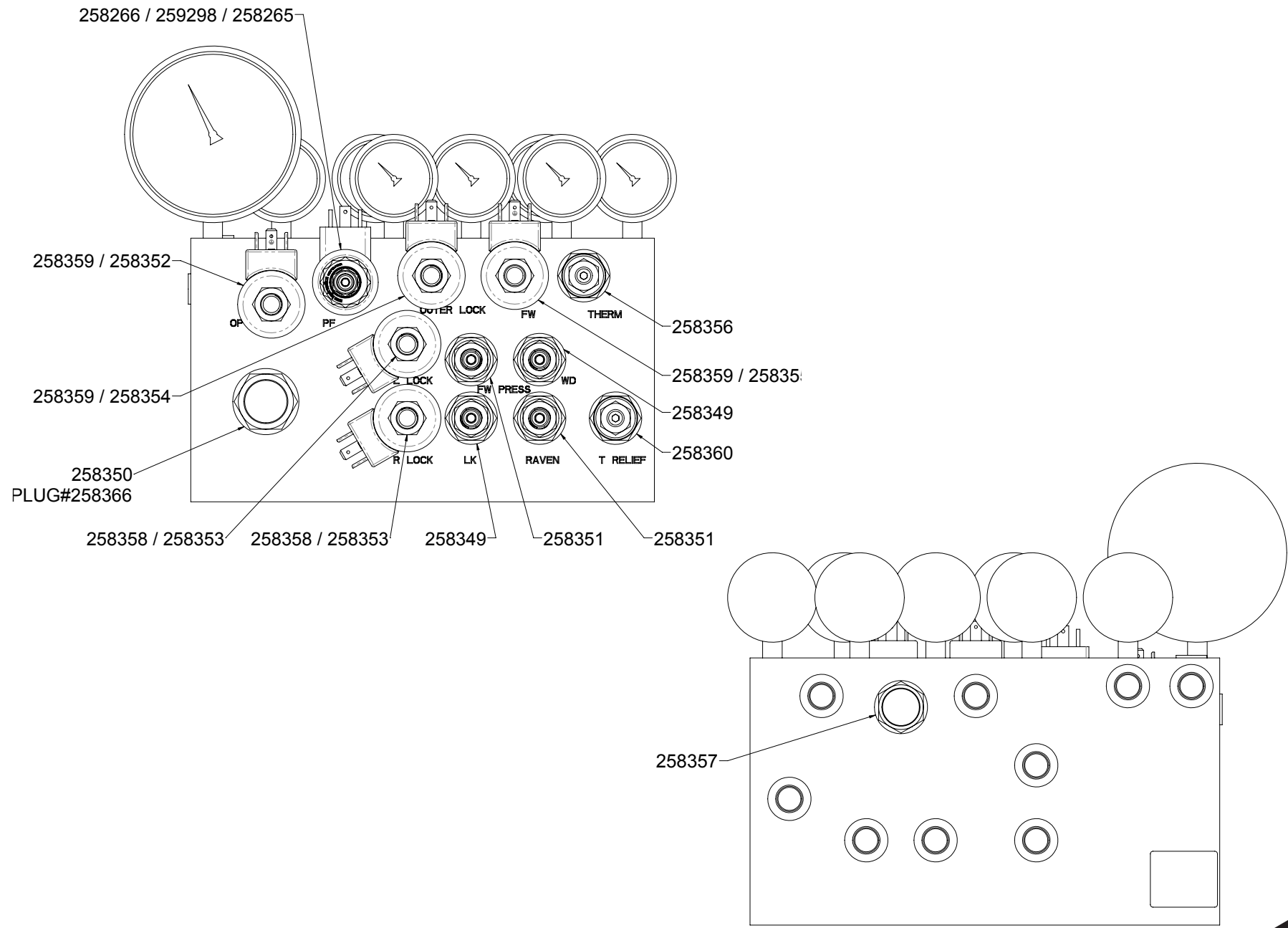
# Parts Description:

## Main Hydraulic Block

### Part No. 258207

| MAIN HYDRAULIC BLOCK 258207 |             |                                                                                         |
|-----------------------------|-------------|-----------------------------------------------------------------------------------------|
| QTY                         | Part Number | Description                                                                             |
| 1                           | 258350      | VALVE, PILOT TO SHIFT - EATON PTS11-12-9-80-00                                          |
| 2                           | 258349      | VALVE, PRES-RED - EATON PRV2-10-S-0-35/15                                               |
| 1                           | 258352      | VALVE, SOLENOID 4W2P - EATON SV2-10-4-0-00                                              |
| 2                           | 258353      | SOLENOID - WING LOCK - EATON SBV11-10                                                   |
| 1                           | 258354      | VALVE, SOLENOID - OUTER WING - EATON SV4-10-0                                           |
| 1                           | 258355      | VALVE, SOLENOID - FAST WING - EATON SV4-10-3                                            |
| 1                           | 258356      | VALVE, RELIEF - THERMAL - EATON 1DR30P20S-SP2500                                        |
| 1                           | 258357      | VALVE, CHECK - WING - EATON CV310P03                                                    |
| 2                           | 258358      | COIL, 12V - EATON MCSCH012DG                                                            |
| 3                           | 258359      | COIL, 12V - EATON MCSCJ012DG                                                            |
| 1                           | 258360      | VALVE, RELIEF - TANK LINE - EATON 1DR30P10S                                             |
| 2                           | 258351      | VALVE, PRES-RED - EATON PRV2-10-S-0-25/15                                               |
| 1                           | 258265      | VALVE, MAIN STAGE RELIEF - SUN RPEC-8WN - SHANK PRESSURE                                |
| 1                           | 258266      | VALVE, PWM PILOT STAGE - SUN RBAP-LBN - 150-1500 PSI W/MANUAL OVERRIDE - SHANK PRESSURE |
| 1                           | 258298      | COIL, SOLENOID - 12 VOLT - 770-212 - SUN                                                |
| 1                           | 258366      | CAVITY PLUG-12-4 CAVITY - BLOCK SHUTOFF PLUG                                            |





# Parts Description:

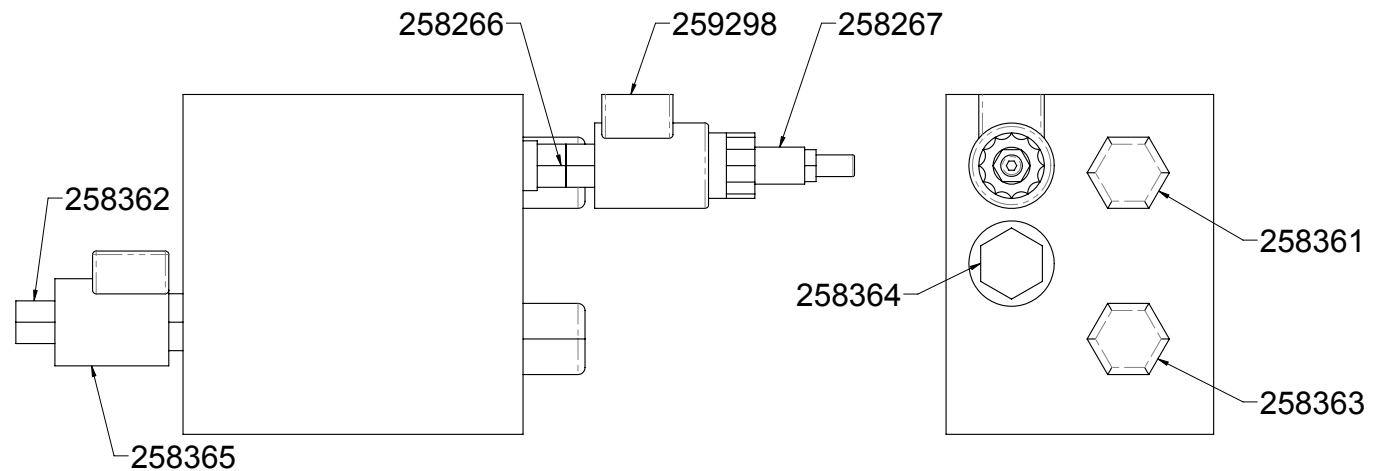
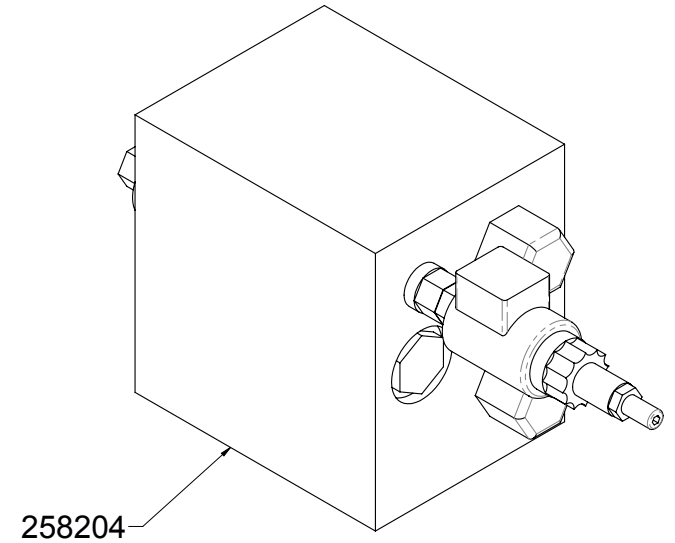
## Smart Openers

## Hydraulic Manifold

### Part No. 258204

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| SMART OPENERS 258204 |             |                                                                                         |
|----------------------|-------------|-----------------------------------------------------------------------------------------|
| QTY                  | Part Number | Description                                                                             |
| 1                    | 258361      | VALVE, PILOT TO SHIFT - EATON PTS2-16-0-160                                             |
| 1                    | 258362      | VALVE, SOLENOID - EATON SV4-8-3-0-00                                                    |
| 1                    | 258363      | VALVE, PILOT TO SHIFT - EATON PTS3-16-0-160                                             |
| 1                    | 258364      | VALVE, CHECK - EATON CV11-12-P-0-2.5                                                    |
| 1                    | 258365      | VALVE, COIL, 12V - EATON MCSC5012DG                                                     |
| 1                    | 258267      | VALVE, REDUCING/RELIEVING - SUN PPFB-8WN - SMARTOPENERS                                 |
| 1                    | 258266      | VALVE, PWM PILOT STAGE - SUN RBAP-LBN - 150-1500 PSI W/MANUAL OVERRIDE - SHANK PRESSURE |
| 1                    | 258298      | COIL, SOLENOID - 12 VOLT - 770-212 - SUN                                                |

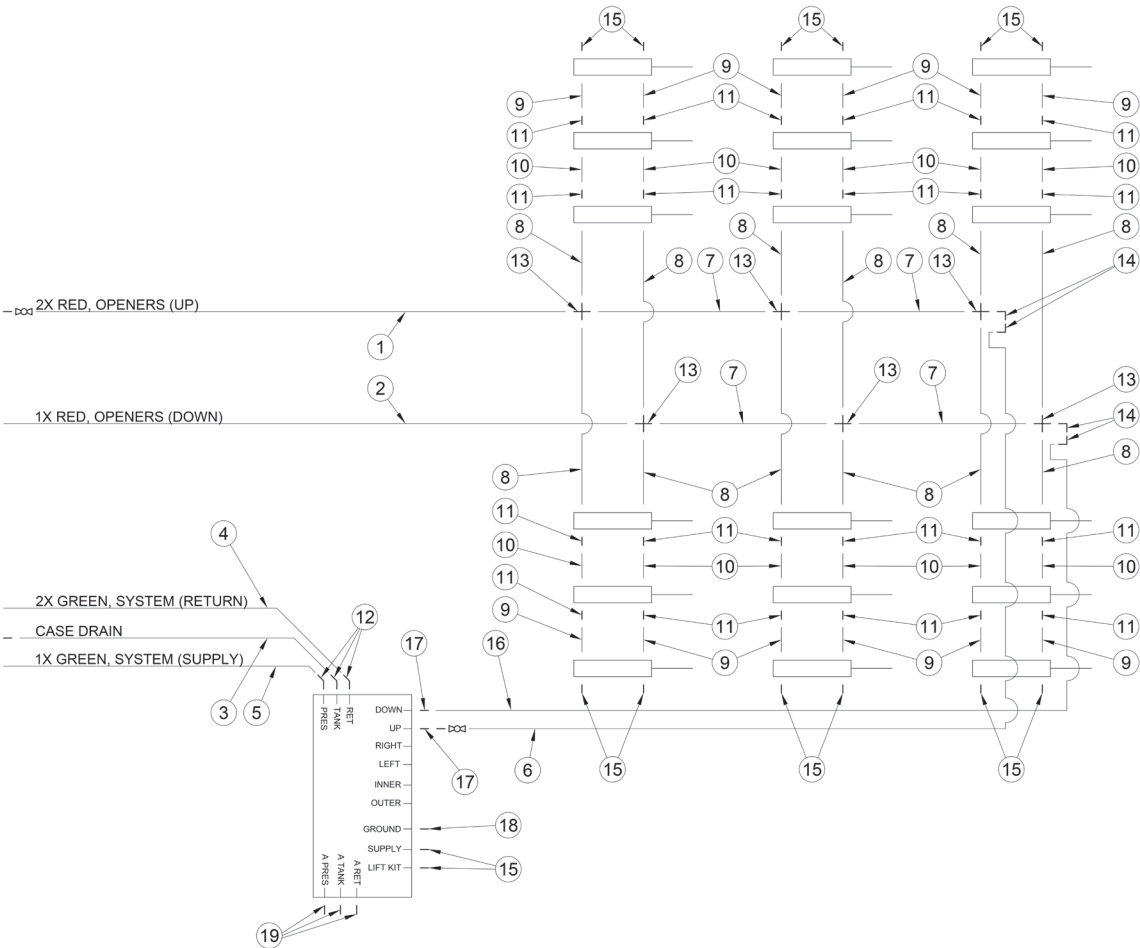


# Parts Description:

## Hydraulic Schemetic - Opener

### Part No. 401000-7

| ITEM | PART NO. | QTY. | DESCRIPTION                                         |
|------|----------|------|-----------------------------------------------------|
| 1    | 401004-1 | 1    | ASSY, HOSE - 1/2-2WB X 220LOA - C/W FITTINGS - 2RED |
| 2    | 401005-1 | 1    | ASSY, HOSE - 1/2-2WB X 220LOA - C/W FITTINGS - 1RED |
| 3    | 401006-2 | 1    | ASSY, HOSE - 1/2-2WB X 204LOA - C/W FITTINGS        |
| 4    | 401007-1 | 1    | ASSY, HOSE - 1/2-2WB X 204LOA - C/W FITTINGS - 2GRN |
| 5    | 401008-1 | 1    | ASSY, HOSE - 1/2-2WB X 204LOA - C/W FITTINGS - 1GRN |
| 6    | 401009-1 | 1    | ASSY, HOSE - 3/8-2WB X 129 LOA - C/W FITTINGS       |
| 7    | 258137   | 4    | HOSE, 1/2-2WB X 48LOA - 08JIC F-SW X 08JIC F-SW     |
| 8    | 258102   | 12   | HOSE, 3/8-2WB X 26LOA - 08JIC F-SW X 06 ORB M       |
| 9    | 258103   | ?    | HOSE, 3/8-2WB X 64LOA - 06JIC F-SW X 06 ORB M       |
| 10   | ?        | ?    | OPENERS - VARIES BY MACHINE                         |
| 11   | 258051   | ?    | CONNECTOR, 06 ORB M X 06 JIC M                      |
| 12   | 258383   | 3    | EL, 45D - 08JIC M X 08 ORB M                        |
| 13   | 258035   | 6    | CROSS, 08 JIC M X M X M X M                         |
| 14   | 258000   | 4    | EL, 90D - 08 JIC M X 08 JIC F-SW                    |
| 15   | 258041   | 14   | PLUG, 06 ORB M                                      |
| 16   | 258122   | 1    | HOSE, 3/8 -2WB X 137LOA - 08JIC F-SW X 06 JIC F-SW  |
| 17   | 258051   | 2    | CONNECTOR, 06 ORB M X 06 JIC M                      |
| 18   | 258097   | 1    | BREATHER, 06ORB M - SINTERED BRONZE                 |
| 19   | 258042   | 3    | PLUG, 08 ORB M                                      |

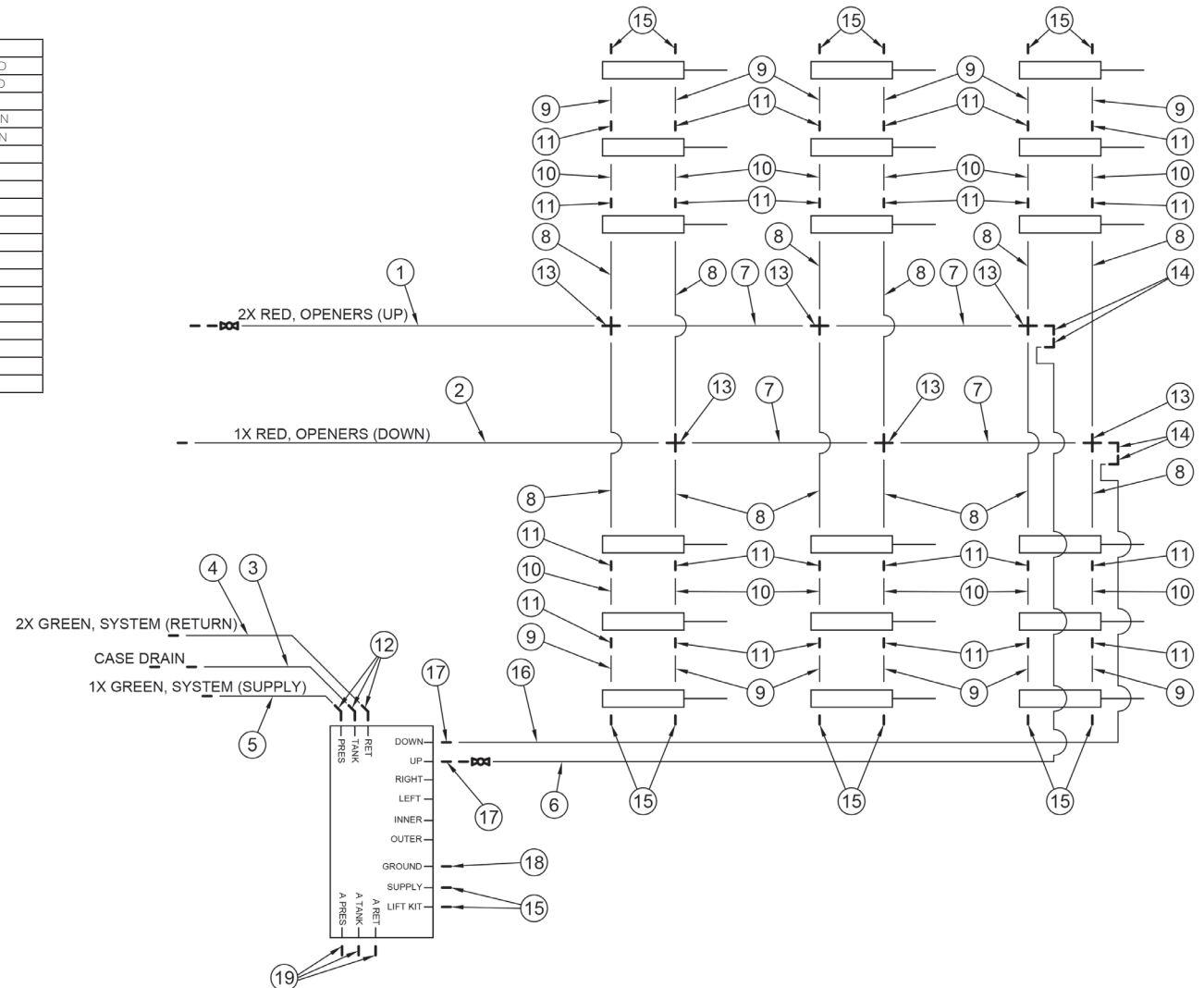


# Parts Description:

## Hydraulic Schematic - M-Fold Opener

### Part No. 401200-2

| ITEM | Part Number | QTY | Description                                         |
|------|-------------|-----|-----------------------------------------------------|
| 1    | 401202-1    | 1   | ASSY, HOSE - 1/2-2WB X 280LOA - C/W FITTINGS - 2RED |
| 2    | 401203-1    | 1   | ASSY, HOSE - 1/2-2WB X 280LOA - C/W FITTINGS - 1RED |
| 3    | 401204-1    | 1   | ASSY, HOSE - 1/2-2WB X 264LOA - C/W FITTINGS        |
| 4    | 401205-1    | 1   | ASSY, HOSE - 1/2-2WB X 264LOA - C/W FITTINGS - 2GRN |
| 5    | 401206-1    | 1   | ASSY, HOSE - 1/2-2WB X 264LOA - C/W FITTINGS - 1GRN |
| 6    | 401009-1    | 1   | ASSY, HOSE - 3/8-2WB X 129 LOA - C/W FITTINGS       |
| 7    | 258137      | 4   | HOSE, 1/2-2WB X 48LOA - 08JIC F-SW X 08JIC F-SW     |
| 8    | 258102      | 12  | HOSE, 3/8-2WB X 26LOA - 08JIC F-SW X 06 ORB M       |
| 9    | 258103      | 7   | HOSE, 3/8-2WB X 64LOA - 06JIC F-SW X 06 ORB M       |
| 10   | ?           | 7   | OPENERS - VARIES BY MACHINE                         |
| 11   | 258051      | 7   | CONNECTOR, 06 ORB M X 06 JIC M                      |
| 12   | 258383      | 3   | EL, 45D - 08JIC M X 08 ORB M                        |
| 13   | 258035      | 6   | CROSS, 08 JIC M X M X M X M                         |
| 14   | 258000      | 4   | EL, 90D - 08 JIC M X 08 JIC F-SW                    |
| 15   | 258041      | 14  | PLUG, 06 ORB M                                      |
| 16   | 258122      | 1   | HOSE, 3/8 -2WB X 137LOA - 08JIC F-SW X 06 JIC F-SW  |
| 17   | 258051      | 2   | CONNECTOR, 06 ORB M X 06 JIC M                      |
| 18   | 258097      | 1   | BREATHER, 06ORB M - SINTERED BRONZE                 |
| 19   | 258042      | 3   | PLUG, 08 ORB M                                      |





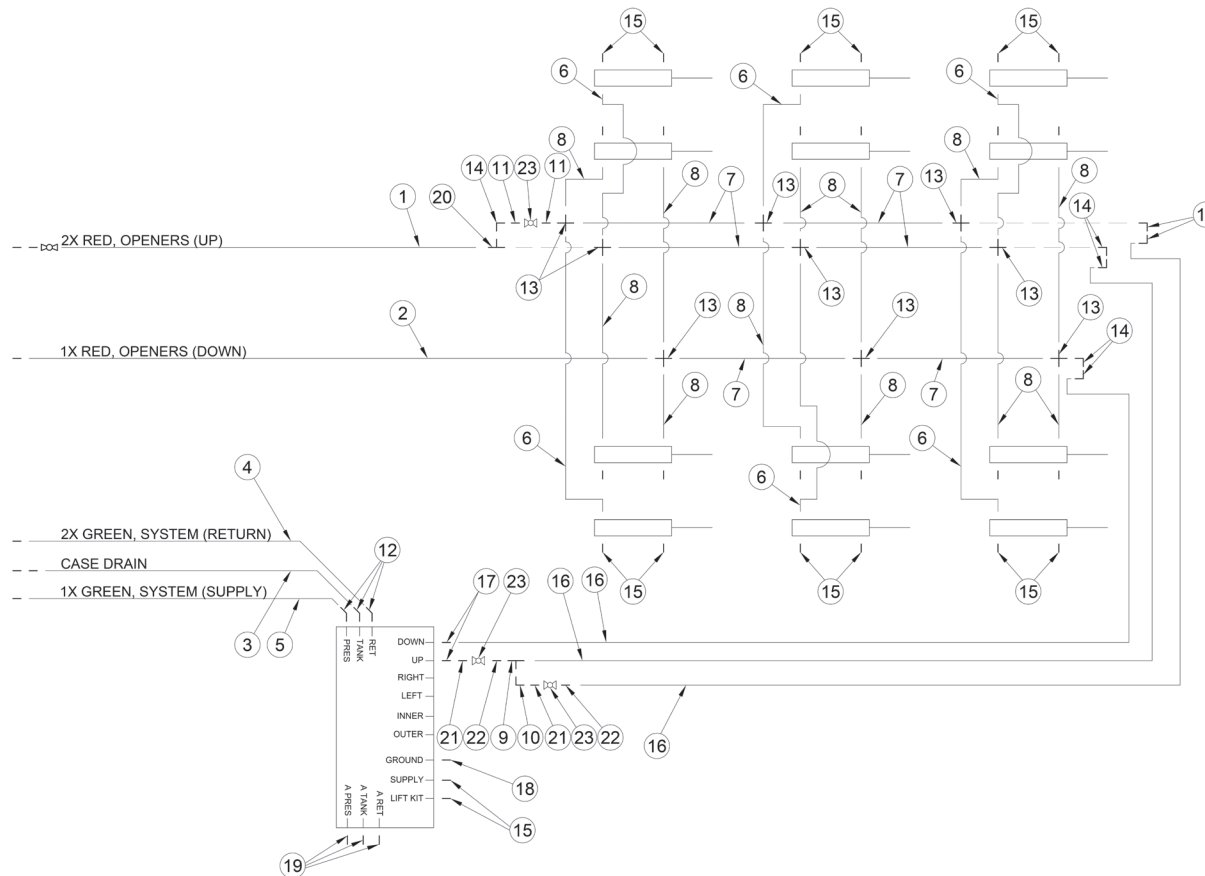
# Parts Description:

## Hydraulic Schematic -

### Opener - Double Spacing - M80

#### Part No. 401003-2

| ITEM | Part Number | QTY | Description                                         |
|------|-------------|-----|-----------------------------------------------------|
| 1    | 401202-1    | 1   | ASSY, HOSE - 1/2-2WB X 280LOA - C/W FITTINGS - 2RED |
| 2    | 401203-1    | 1   | ASSY, HOSE - 1/2-2WB X 280LOA - C/W FITTINGS - 1RED |
| 3    | 401204-1    | 1   | ASSY, HOSE - 1/2-2WB X 264LOA - C/W FITTINGS        |
| 4    | 401205-1    | 1   | ASSY, HOSE - 1/2-2WB X 264LOA - C/W FITTINGS - 2GRN |
| 5    | 401206-1    | 1   | ASSY, HOSE - 1/2-2WB X 264LOA - C/W FITTINGS - 1GRN |
| 6    | 258316      | 6   | HOSE, 3/8-2WB X 75LOA - 08 JIC F-SW X 06 ORB M      |
| 7    | 258137      | 6   | HOSE, 1/2-2WB X 48LOA - 08JIC F-SW X 08JIC F-SW     |
| 8    | 258102      | 12  | HOSE, 3/8-2WB X 26LOA - 08JIC F-SW X 06 ORB M       |
| 9    | 258025      | 1   | TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN        |
| 10   | 258005      | 1   | EL, 90D - 06 M X 06 JIC F-SW                        |
| 11   | 258066      | 2   | CONNECTOR, 1/2 NPT M X 08 JIC F-SW                  |
| 12   | 258383      | 3   | EL, 45D - 08JIC M X 08 ORB M                        |
| 13   | 258035      | 9   | CROSS, 08 JIC M X M X M X M                         |
| 14   | 258000      | 7   | EL, 90D - 08 JIC M X 08 JIC F-SW                    |
| 15   | 258041      | 14  | PLUG, 06 ORB M                                      |
| 16   | 258122      | 3   | HOSE, 3/8-2WB X 137LOA - 08JIC F-SW X 06 JIC F-SW   |
| 17   | 258051      | 2   | CONNECTOR, 06 ORB M X 06 JIC M                      |
| 18   | 258097      | 1   | BREATHER, 06ORB M - SINTERED BRONZE                 |
| 19   | 258042      | 3   | PLUG, 08 ORB M                                      |
| 20   | 258020      | 1   | TEE, 08 JIC F-SW X 08 JIC M X 08 JIC M - RUN        |
| 21   | 257994      | 2   | CONNECTOR, 3/8 NPT M X 06 JIC F-SW                  |
| 22   | 257995      | 2   | CONNECTOR, 3/8 NPT M X 06 JIC M                     |
| 23   | 258081      |     | VALVE, BALL - 06 NPT F X 06 NPT F - C/W HANDLE      |



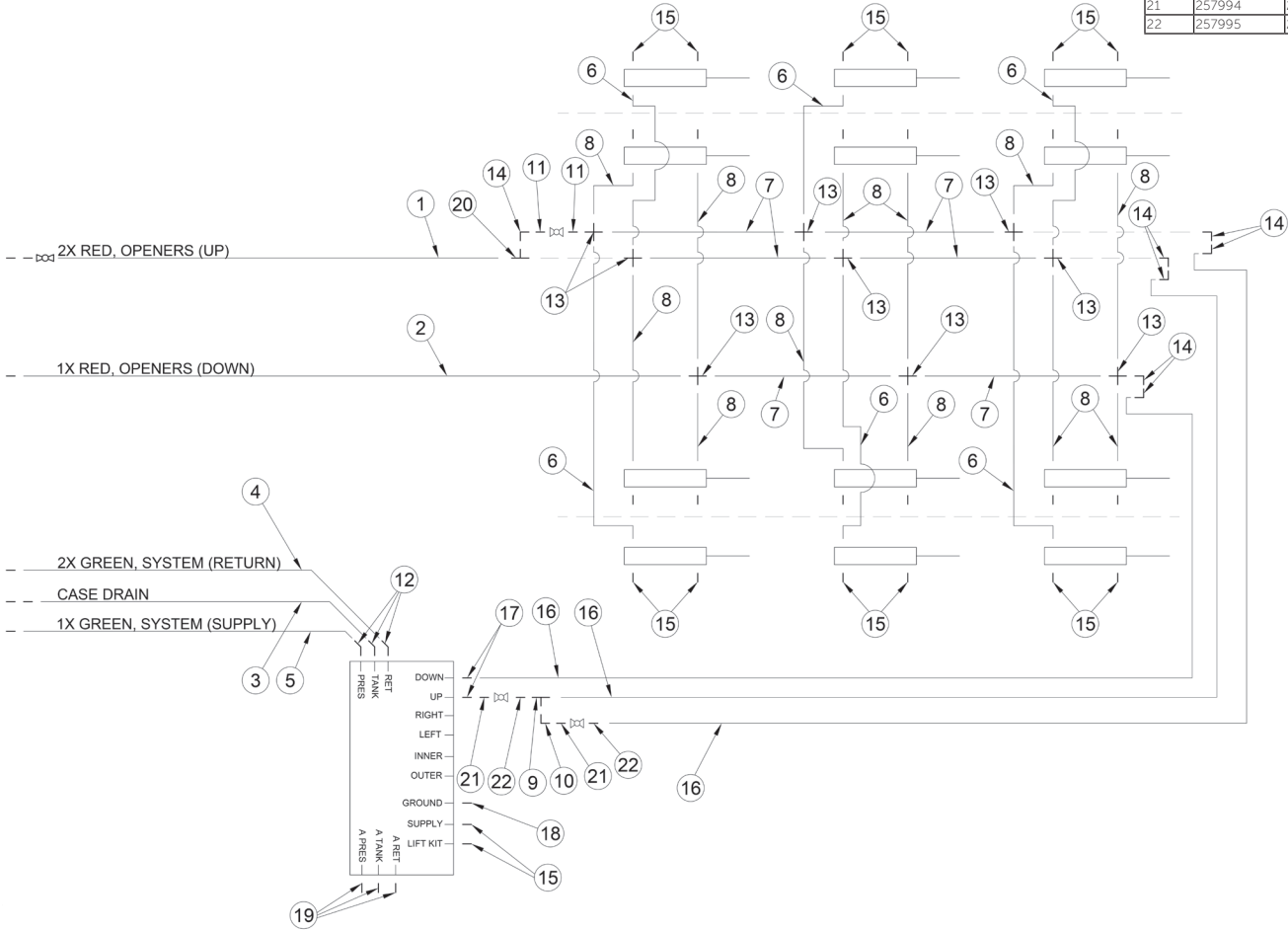
Parts Description:

# Hyadraulic Schemetic

- Opener - Double Spacing - STD

Part No. 401002-2

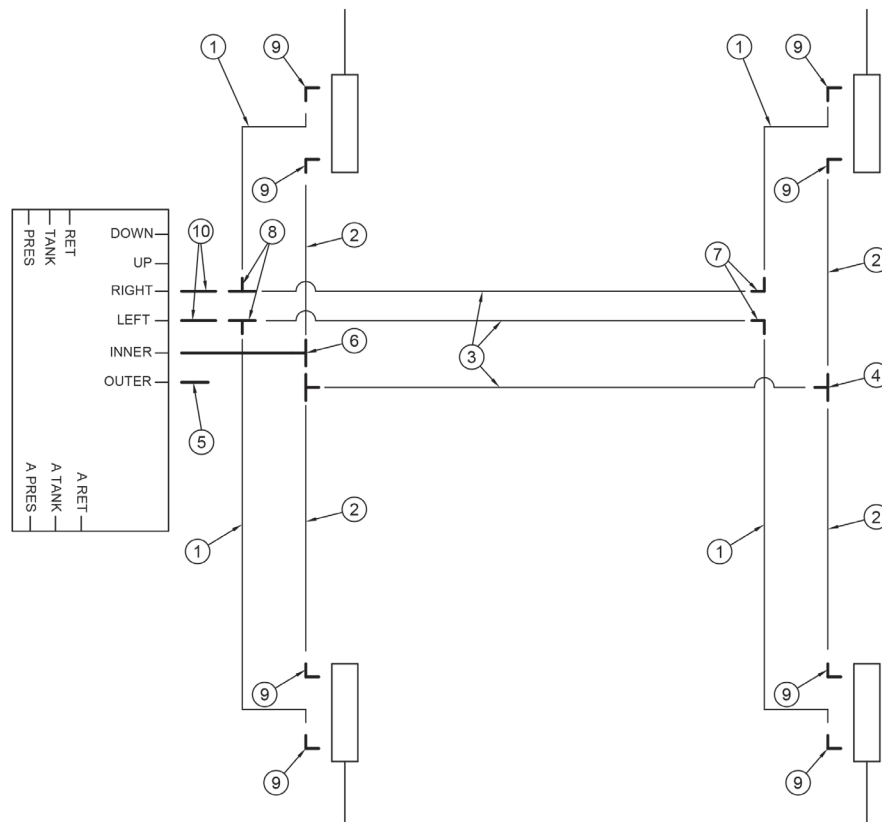
| ITEM | Part Number | QTY | Description                                         |
|------|-------------|-----|-----------------------------------------------------|
| 1    | 401004-1    | 1   | ASSY, HOSE - 1/2-2WB X 220LOA - C/W FITTINGS - 2RED |
| 2    | 401005-1    | 1   | ASSY, HOSE - 1/2-2WB X 220LOA - C/W FITTINGS - 1RED |
| 3    | 401006-2    | 1   | ASSY, HOSE - 1/2-2WB X 204LOA - C/W FITTINGS - 1RED |
| 4    | 401007-1    | 1   | ASSY, HOSE - 1/2-2WB X 204LOA - C/W FITTINGS - 2GRN |
| 5    | 401008-1    | 1   | ASSY, HOSE - 1/2-2WB X 204LOA - C/W FITTINGS - 1GRN |
| 6    | 258316      | 6   | HOSE, 3/8-2WB X 75LOA - 08 JIC F-SW X 06 ORB M      |
| 7    | 258137      | 6   | HOSE, 1/2-2WB X 48LOA - 08JIC F-SW X 08JIC F-SW     |
| 8    | 258102      | 12  | HOSE, 3/8-2WB X 26LOA - 08JIC F-SW X 06 ORB M       |
| 9    | 258025      | 1   | TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN        |
| 10   | 258005      | 1   | EL, 90D - 06 M X 06 JIC F-SW                        |
| 11   | 258066      | 2   | CONNECTOR, 1/2 NPT M X 08 JIC F-SW                  |
| 12   | 258383      | 3   | EL, 45D - 08JIC M X 08 ORB M                        |
| 13   | 258035      | 9   | CROSS, 08 JIC M X M X M X M                         |
| 14   | 258000      | 7   | EL, 90D - 08 JIC M X 08 JIC F-SW                    |
| 15   | 258041      | 14  | PLUG, 06 ORB M                                      |
| 16   | 258122      | 3   | HOSE, 3/8 -2WB X 137LOA - 08JIC F-SW X 06 JIC F-SW  |
| 17   | 258051      | 2   | CONNECTOR, 06 ORB M X 06 JIC M                      |
| 18   | 258097      | 1   | BREATHER, 06ORB M - SINTERED BRONZE                 |
| 19   | 258042      | 3   | PLUG, 08 ORB M                                      |
| 20   | 258020      | 1   | TEE, 08 JIC F-SW X 08 JIC M X 08 JIC M - RUN        |
| 21   | 257994      | 2   | CONNECTOR, 3/8 NPT M X 06 JIC F-SW                  |
| 22   | 257995      | 2   | CONNECTOR, 3/8 NPT M X 06 JIC M                     |



## Parts Description:

# Hydraulic Schematic - STD 3-Plex Wing Fold

Part No. 401010-6



| ITEM | PART NO. | QTY. | DESCRIPTION                                      |
|------|----------|------|--------------------------------------------------|
| 1    | 258107   | 4    | HOSE, 3/8-2WB X 87LOA - 06JIC F-SW X 06JIC F-SW  |
| 2    | 258108   | 4    | HOSE, 3/8-2WB X 61LOA - 06JIC F-SW X 06JIC F-SW  |
| 3    | 258153   | 3    | HOSE, 3/8-2WB X 192LOA - 06JIC F-SW X 06JIC F-SW |
| 4    | 258024   | 1    | TEE, 06 JIC M X 06 JIC M X 06 JIC M              |
| 5    | 258041   | 1    | 06 ORB PLUG                                      |
| 6    | 258022   | 1    | TEE, 06 JIC M X 06 JIC M X 06 ORB M - BRANCH     |
| 7    | 258382   | 2    | EL, 90D 06 JIC M X 06 JIC M                      |
| 8    | 258025   | 3    | TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN     |
| 9    | 258002   | 8    | EL, 90D - 06 JIC M X 06 ORB M                    |
| 10   | 258051   | 2    | CONNECTOR, 06 ORB M X 06 JIC M                   |



# Parts Description:

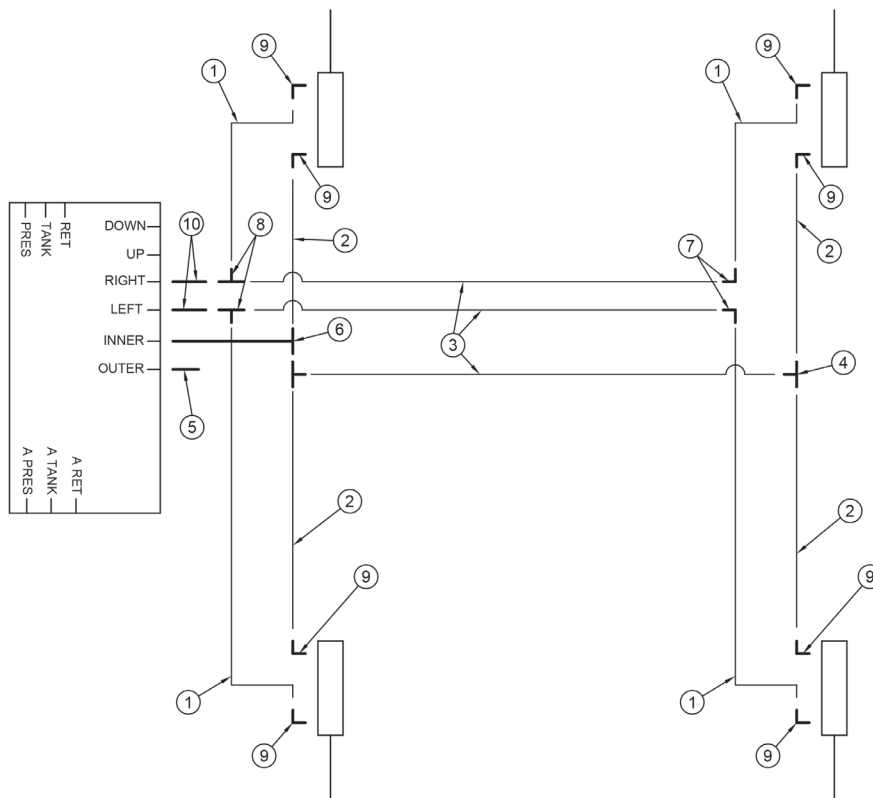
## Hydraulic Schemetic -

### Wide 3-Plex Wing Fold

### Part No. 401015-6

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| ITEM | PART NO. | QTY. | DESCRIPTION                                      |
|------|----------|------|--------------------------------------------------|
| 1    | 258114   | 4    | HOSE, 3/8-2WB X 107LOA - 06JIC F-SW X 06JIC F-SW |
| 2    | 258115   | 4    | HOSE, 3/8-2WB X 81LOA - 06JIC F-SW X 06JIC F-SW  |
| 3    | 258153   | 3    | HOSE, 3/8-2WB X 192LOA - 06JIC F-SW X 06JIC F-SW |
| 4    | 258024   | 1    | TEE, 06 JIC M X 06 JIC M X 06 JIC M              |
| 5    | 258041   | 1    | 06 ORB PLUG                                      |
| 6    | 258022   | 1    | TEE, 06 JIC M X 06 JIC M X 06 ORB M - BRANCH     |
| 7    | 258382   | 2    | EL, 90D 06 JIC M X 06 JIC M                      |
| 8    | 258025   | 3    | TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN     |
| 9    | 258002   | 8    | EL, 90D - 06 JIC M X 06 ORB M                    |
| 10   | 258051   | 2    | CONNECTOR, 06 ORB M X 06 JIC M                   |



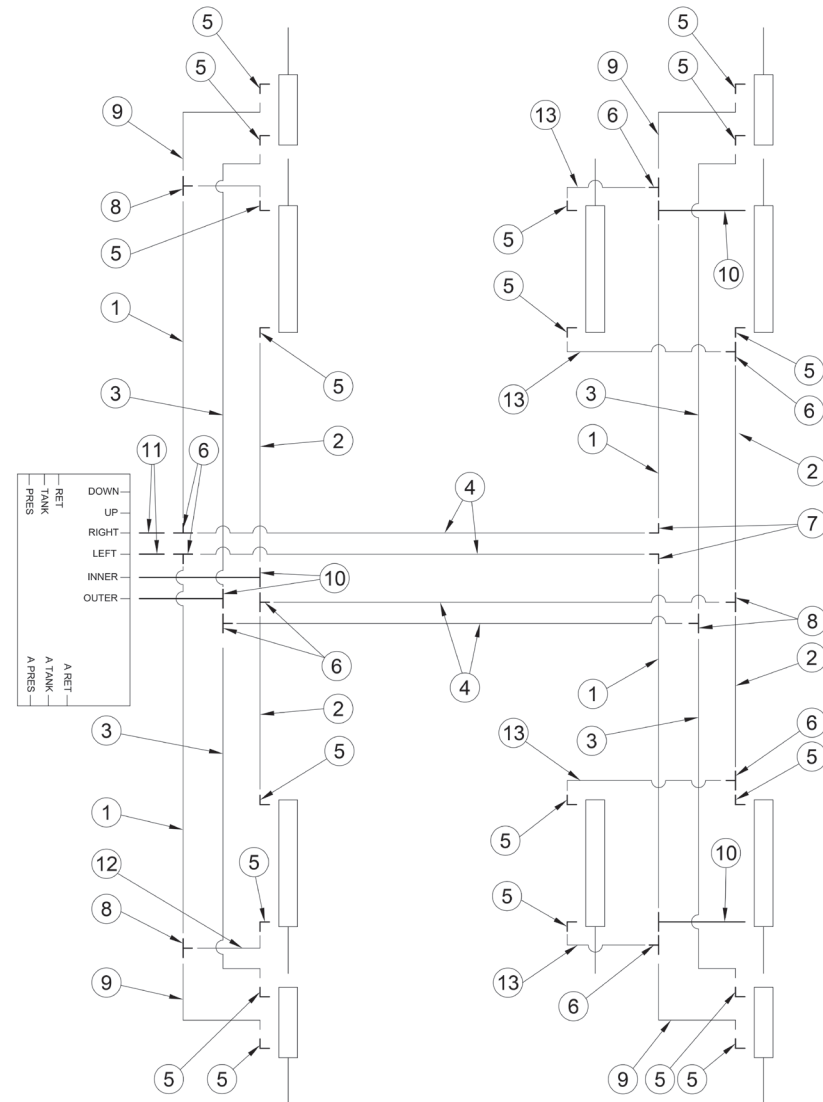
# Parts Description:

## Hydraulic Schematic

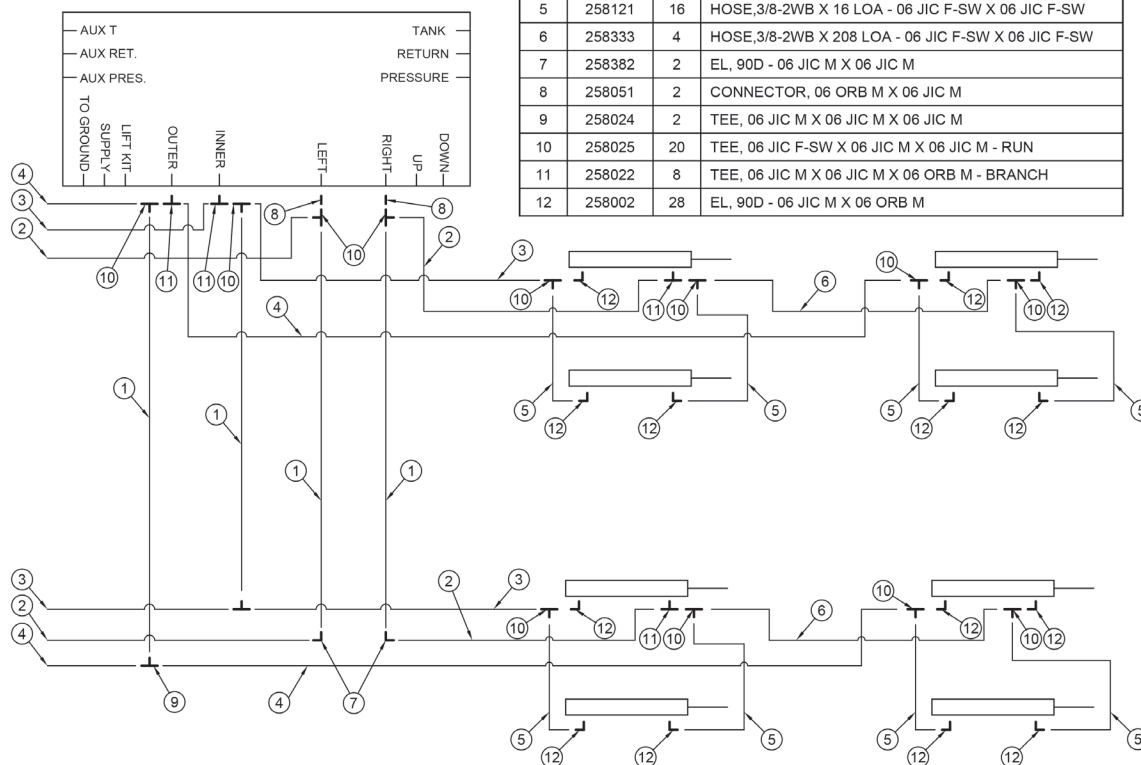
### - STD 5-Plex Wing Fold

### Part No. 401020-9

| ITEM | Part Number | QTY | Description                                        |
|------|-------------|-----|----------------------------------------------------|
| 1    | 258114      | 4   | HOSE, 3/8-2WB X 107 LOA - 06JIC F-SW X 06JIC F-SW  |
| 2    | 258115      | 4   | HOSE, 3/8-2WB X 81 LOA - 06JIC F-SW X 06JIC F-SW   |
| 3    | 258162      | 4   | HOSE, 3/8-2WB X 228 LOA - 06JIC F-SW X 06JIC F-SW  |
| 4    | 258153      | 4   | HOSE, 3/8-2WB X 192 LOA - 06JIC F-SW X 06JIC F-SW  |
| 5    | 258002      | 18  | EL, 90D - 06 JIC M X 06 ORB M                      |
| 6    | 258025      | 8   | TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN       |
| 7    | 258382      | 2   | EL, 90D - 06 JIC M X 06 JIC M                      |
| 8    | 258024      | 4   | TEE, 06 JIC M X 06 JIC M X 06 JIC M                |
| 9    | 258418      | 4   | HOSE, 3/8-2WB X 146 LOA 06JIC F-SW X 06JIC F-SW    |
| 10   | 258022      | 4   | TEE, 06 JIC M X 06 JIC M X 06 ORB M - BRANCH       |
| 11   | 258051      | 2   | CONNECTOR, 06 ORB M X 06 JIC M                     |
| 12   | 258121      | 2   | HOSE, 3/8-2WB X 16 LOA - 06 JIC F-SW X 06 JIC F-SW |
| 13   | 258186      | 4   | HOSE, 3/8-2WB X 24 LOA - 06 JIC F-SW X 06 JIC F-SW |



# Parts Description: “M” Wing Fold



**M90 - PART #: 401031**

| ITEM | PART NO. | QTY. | DESCRIPTION                                         |
|------|----------|------|-----------------------------------------------------|
| 1    | 258153   | 4    | HOSE, 3/8-2WB X 192 LOA - 06 JIC F-SW X 06 JIC F-SW |
| 2    | 258166   | 4    | HOSE, 3/8-2WB X 120 LOA - 06 JIC F-SW X 06 JIC F-SW |
| 3    | 258179   | 4    | HOSE, 3/8-2WB X 80 LOA - 06 JIC F-SW X 06 JIC F-SW  |
| 4    | 258159   | 4    | HOSE, 3/8-2WB X 296 LOA - 06 JIC F-SW X 06 JIC F-SW |
| 5    | 258121   | 16   | HOSE, 3/8-2WB X 16 LOA - 06 JIC F-SW X 06 JIC F-SW  |
| 6    | 258333   | 4    | HOSE, 3/8-2WB X 208 LOA - 06 JIC F-SW X 06 JIC F-SW |
| 7    | 258382   | 2    | EL, 90D - 06 JIC M X 06 JIC M                       |
| 8    | 258051   | 2    | CONNECTOR, 06 ORB M X 06 JIC M                      |
| 9    | 258024   | 2    | TEE, 06 JIC M X 06 JIC M X 06 JIC M                 |
| 10   | 258025   | 20   | TEE, 06 JIC F-SW X 06 JIC M X 06 JIC M - RUN        |
| 11   | 258022   | 8    | TEE, 06 JIC M X 06 JIC M X 06 ORB M - BRANCH        |
| 12   | 258002   | 28   | EL, 90D - 06 JIC M X 06 ORB M                       |

**M100 (SAME AS M90 KIT + HOSE EXTENSION USED WITH ITEM #6 SHOWN BELOW)**

| ITEM | PART NO. | QTY. | DESCRIPTION                                        |
|------|----------|------|----------------------------------------------------|
| 6    | 258186   | 8    | HOSE, 3/8-2WB X 24 LOA - 06 JIC F-SW X 06 JIC F-SW |

**M80 - PART #: 401025-5 (SAME AS M90 KIT SUBSTITUTING ITEMS BELOW)**

| ITEM | PART NO. | QTY. | DESCRIPTION                                         |
|------|----------|------|-----------------------------------------------------|
| 4    | 258132   | 4    | HOSE, 3/8-2WB X 270 LOA - 06 JIC F-SW X 06 JIC F-SW |
| 6    | 258168   | 4    | HOSE, 3/8-2WB X 184 LOA - 06 JIC F-SW X 06 JIC F-SW |

**M80CT - PART #: 401029-2 (SAME AS M90 KIT SUBSTITUTING ITEMS BELOW)**

| ITEM | PART NO. | QTY. | DESCRIPTION                                         |
|------|----------|------|-----------------------------------------------------|
| 2    | 258124   | 4    | HOSE, 3/8-2WB X 79 LOA - 06 JIC F-SW X 06 JIC F-SW  |
| 3    | 258110   | 4    | HOSE, 3/8-2WB X 38 LOA - 06 JIC F-SW X 06 JIC F-SW  |
| 4    | 258128   | 4    | HOSE, 3/8-2WB X 256 LOA - 06 JIC F-SW X 06 JIC F-SW |
| 6    | 258333   | 4    | HOSE, 3/8-2WB X 208 LOA - 06 JIC F-SW X 06 JIC F-SW |

**M70 - PART #: 401024-4 (SAME AS M90 KIT SUBSTITUTING ITEMS BELOW)**

| ITEM | PART NO. | QTY. | DESCRIPTION                                             |
|------|----------|------|---------------------------------------------------------|
| 2    | 258124   | 4    | HOSE, 3/8-2WB X 79 LOA - 06 JIC F-SW X 06 JIC F-SW      |
| 3    | 258110   | 4    | HOSE, 3/8-2WB X 38 LOA - 06 JIC F-SW X 06 JIC F-SW      |
| 4    | 258335   | 4    | HOSE, 3/8-2WB X 222 LOA - 06 JIC F-SW X 06 JIC F-SW     |
| 6    | 258188   | 4    | HOSE, 3/8-2WB X 181 1/2 LOA - 06 JIC F-SW X 06 JIC F-SW |

**M60 - PART #: 401023-4 (SAME AS M90 KIT SUBSTITUTING ITEMS BELOW)**

| ITEM | PART NO. | QTY. | DESCRIPTION                                             |
|------|----------|------|---------------------------------------------------------|
| 2    | 258124   | 4    | HOSE, 3/8-2WB X 79 LOA - 06 JIC F-SW X 06 JIC F-SW      |
| 3    | 258110   | 4    | HOSE, 3/8-2WB X 38 LOA - 06 JIC F-SW X 06 JIC F-SW      |
| 4    | 258153   | 4    | HOSE, 3/8-2WB X 196 LOA - 06 JIC F-SW X 06 JIC F-SW     |
| 6    | 258118   | 4    | HOSE, 3/8-2WB X 152 1/2 LOA - 06 JIC F-SW X 06 JIC F-SW |

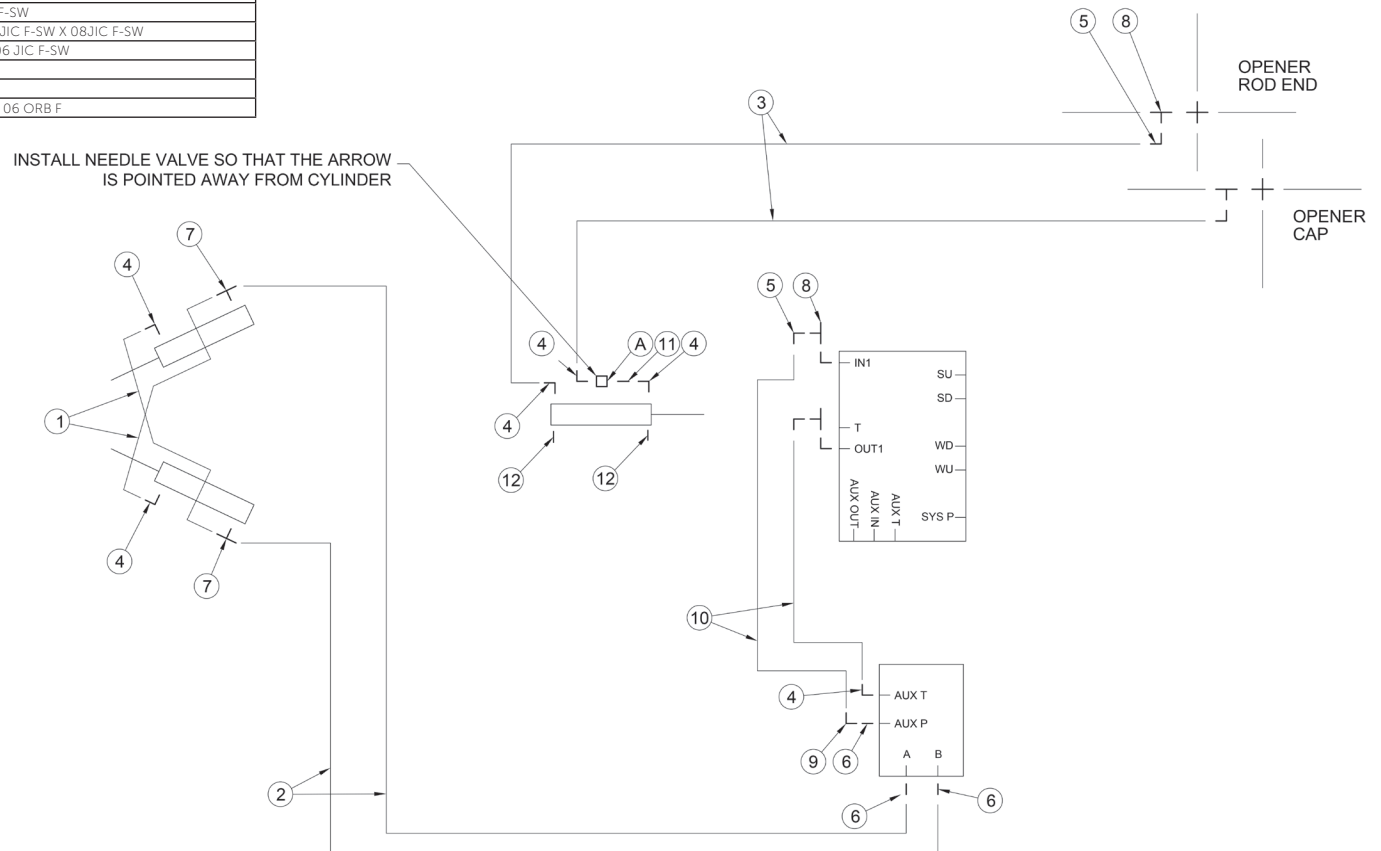
**M50 - PART #: 401026-4 (SAME AS M90 KIT SUBSTITUTING ITEMS BELOW)**

| ITEM | PART NO. | QTY. | DESCRIPTION                                             |
|------|----------|------|---------------------------------------------------------|
| 2    | 258124   | 4    | HOSE, 3/8-2WB X 79 LOA - 06 JIC F-SW X 06 JIC F-SW      |
| 3    | 258110   | 4    | HOSE, 3/8-2WB X 38 LOA - 06 JIC F-SW X 06 JIC F-SW      |
| 4    | 258334   | 4    | HOSE, 3/8-2WB X 172 LOA - 06 JIC F-SW X 06 JIC F-SW     |
| 6    | 258113   | 4    | HOSE, 3/8-2WB X 132 1/2 LOA - 06 JIC F-SW X 06 JIC F-SW |



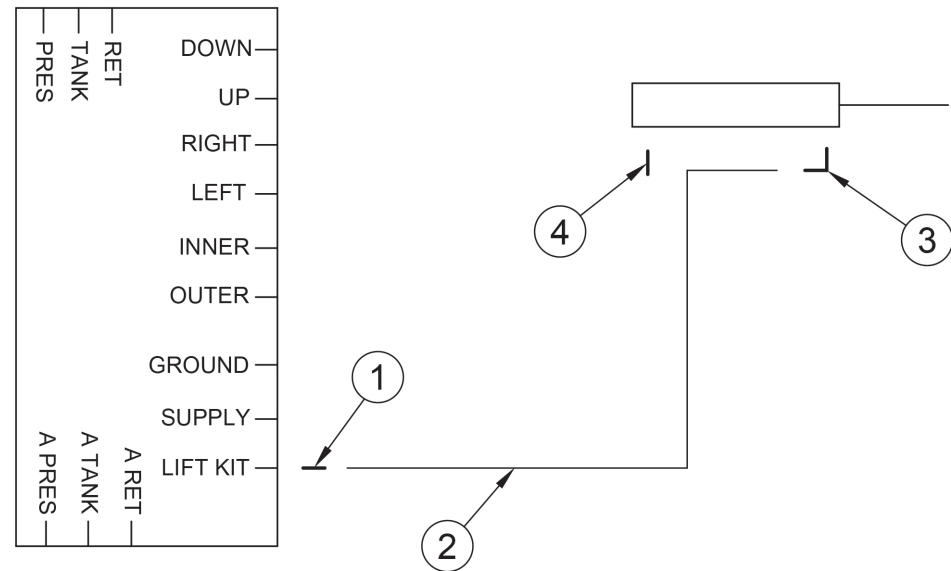
Parts Description:  
**Hydraulic Schemetic - Smart Hitch**  
 Part No. 401400-4

| ITEM | Part Number | QTY | Description                                     |
|------|-------------|-----|-------------------------------------------------|
| 1    | 258141      | 2   | HOSE, 3/8-2WBX30 1/2LOA-06JIC F-SW X 06JIC F-SW |
| 2    | 258143      | 2   | HOSE, 3/8-2WB X 133LOA-06JIC F-SW X 06JIC F-SW  |
| 3    | 258149      | 2   | HOSE, 3/8-2WB X 160LOA-06JIC F-SW X 08JIC F-SW  |
| 4    | 258002      | 6   | EL, 90D - 06 JIC M X 06 ORB M                   |
| 5    | 258000      | 4   | EL, 90D - 08 JIC M X 08 JIC F-SW                |
| 6    | 258051      | 3   | CONNECTOR, 06 ORB M X 06 JIC M                  |
| 7    | 258022      | 2   | TEE, 06 JIC M X 06 JIC M X 06 ORB M (BRANCH)    |
| 8    | 258020      | 4   | TEE, 08 JIC F-SW X 08 JIC M X 08 JIC M - RUN    |
| 9    | 258005      | 1   | EL, 90D - 06 JIC M X 06 JIC F-SW                |
| 10   | 258154      | 2   | HOSE, 3/8-2WB X 31LOA-06JIC F-SW X 08JIC F-SW   |
| 11   | 258059      | 1   | CONNECTOR, 06 ORB M X 06 JIC F-SW               |
| 12   | 258041      | 2   | PLUG, 06 ORB M                                  |
| A    | 258085      | 1   | VALVE, NEEDLE - 06 ORB F X 06 ORB F             |



Parts Description:  
**Hydraulic Schemetic - Lift Kit**  
 Part No. 401215-4

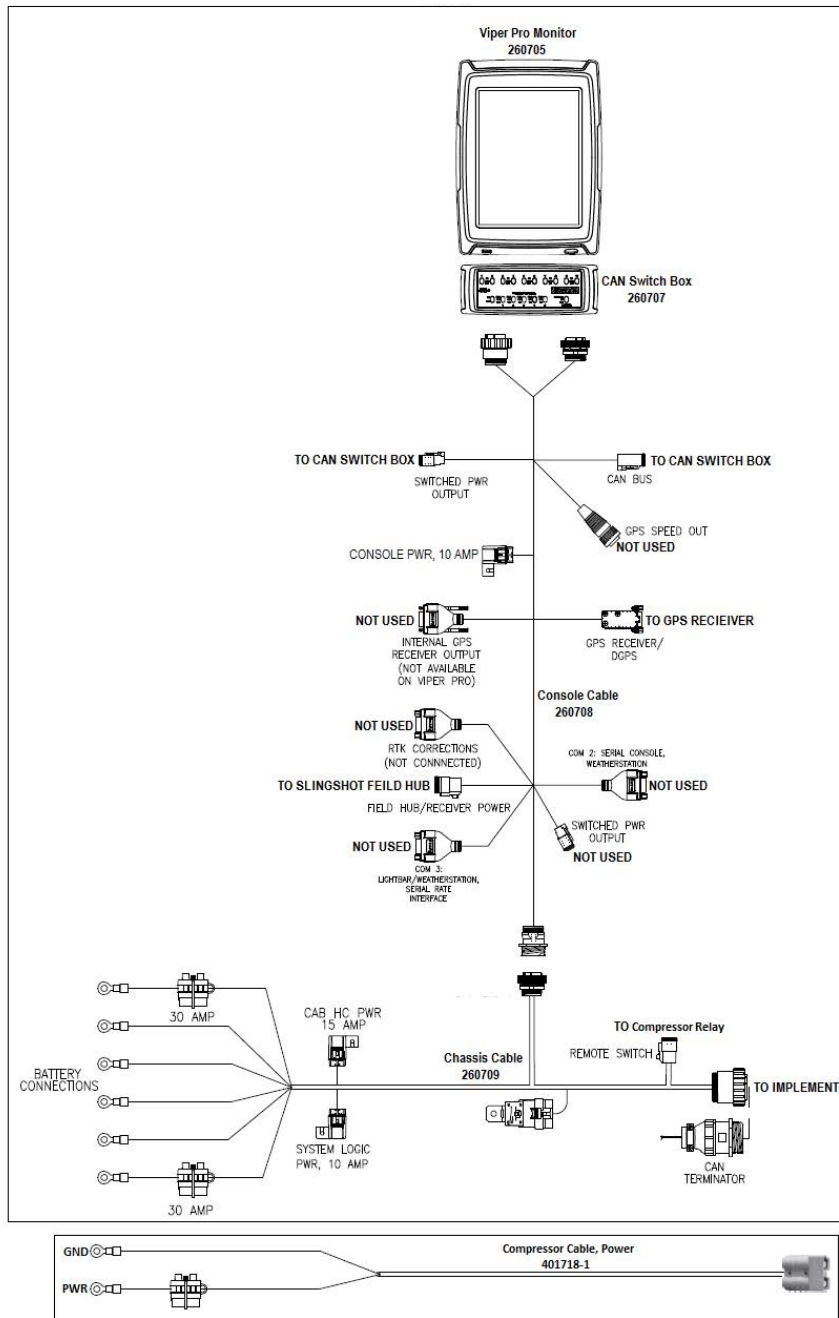
| ITEM | Part Number | QTY | Description                                        |
|------|-------------|-----|----------------------------------------------------|
| 1    | 258051      | 1   | CONNECTOR, 06 ORB M X 06 JIC M                     |
| 2    | 258192      | 1   | HOSE, 3/8-2WB X 48 LOA - 06 JIC F-SW X 06 JIC F-SW |
| 3    | 258002      | 1   | EL, 90D - 06 JIC M X 06 ORB M                      |
| 4    | 258097      | 1   | BREATHER, 06ORB M - SINTERED BRONZE                |
| 5    | 258000      | 2   | EL, 90D - 08 JIC M X 08 JIC F-SW                   |





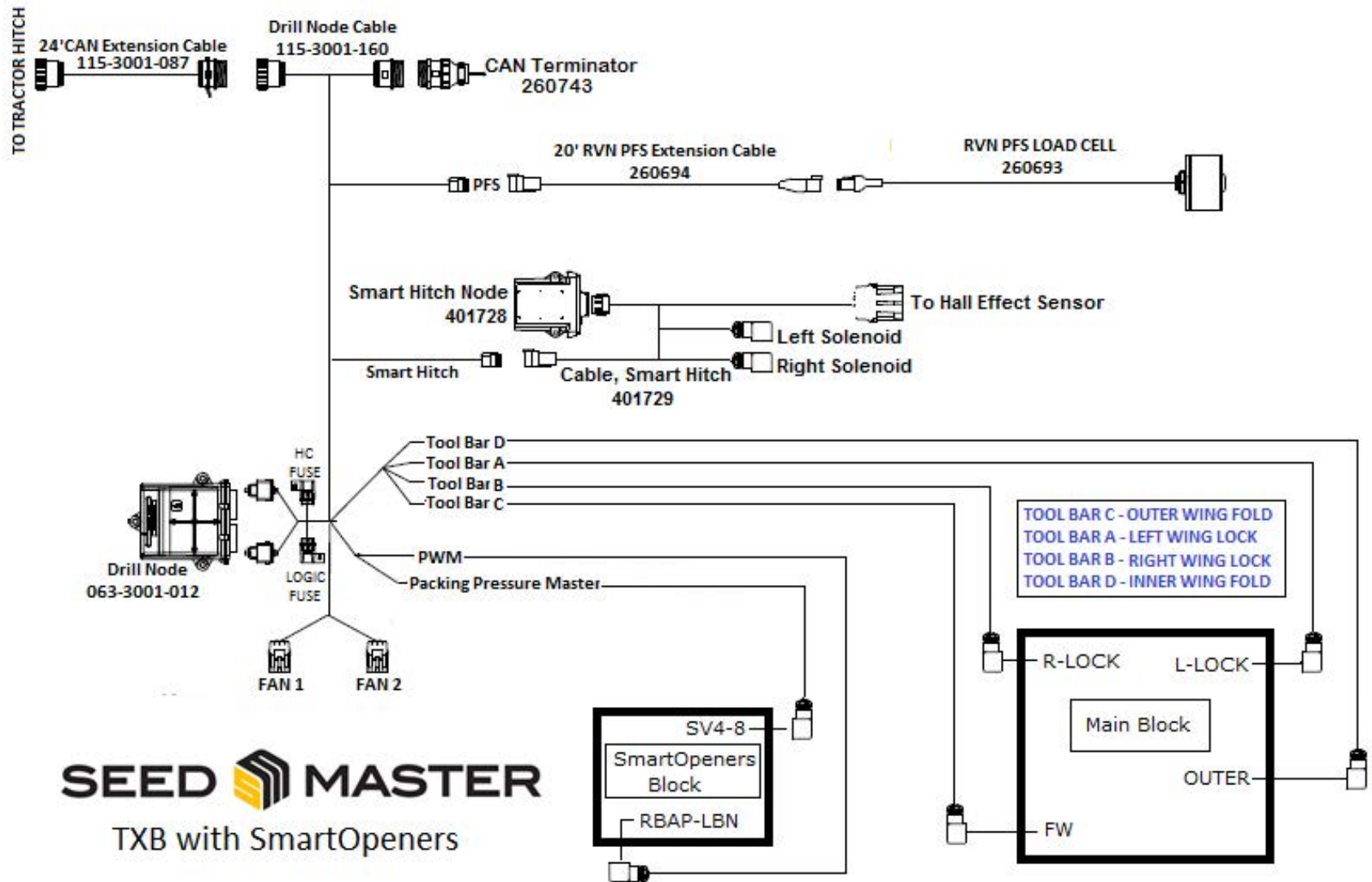
# Parts Description: Viper Control In-Cab Kit

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# Parts Description:

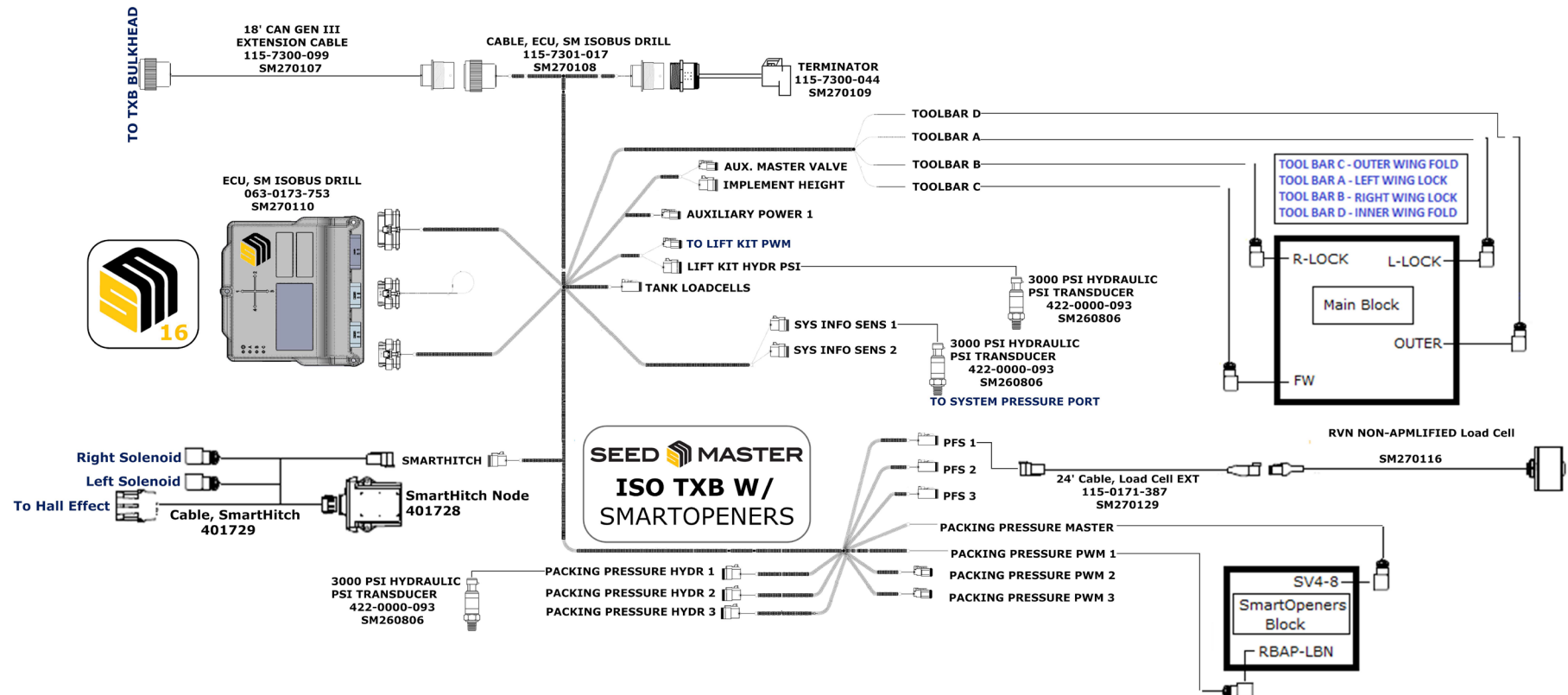
## Toolbar Functions w/ SmartOpeners



**SEED MASTER**  
TXB with SmartOpeners

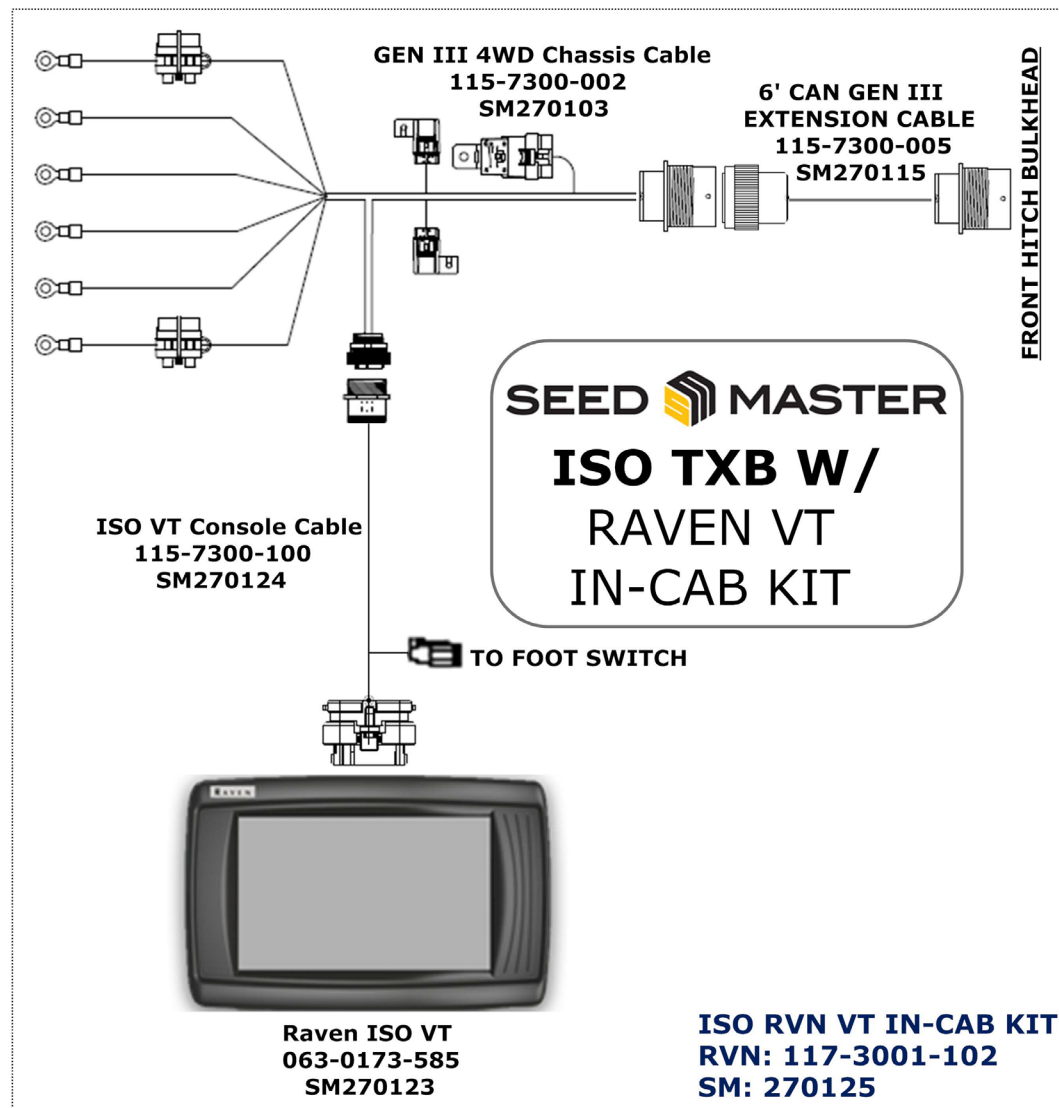


# Parts Description: Toolbar Functions w/ SmartOpeners

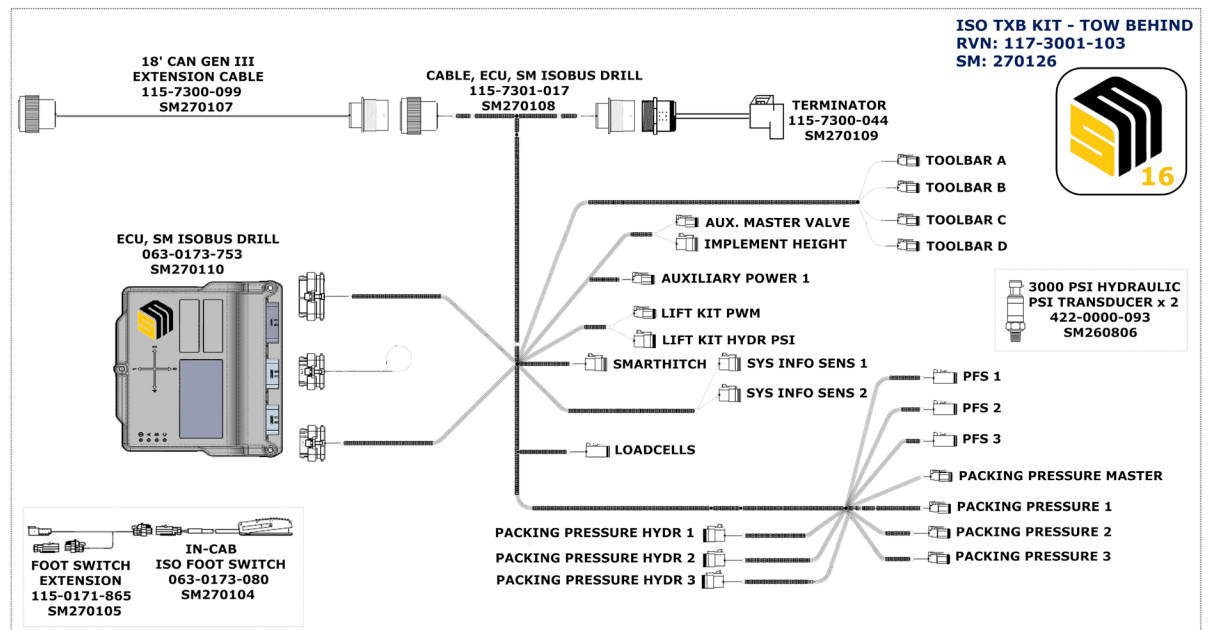
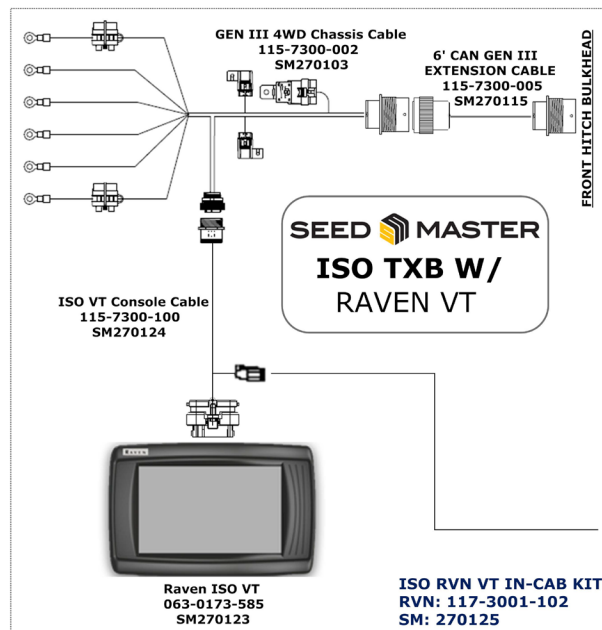


## Parts Description: ISO Control In-Cab Kit w/ Raven VT

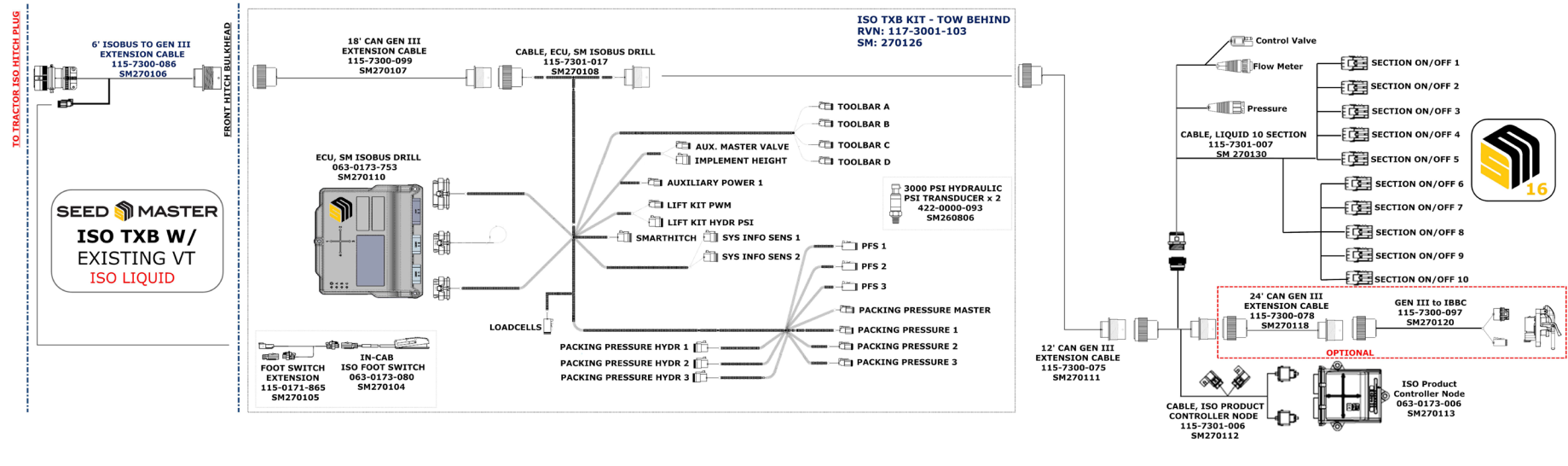
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# Parts Description: ISO Toolbar Functions w/ Raven VT



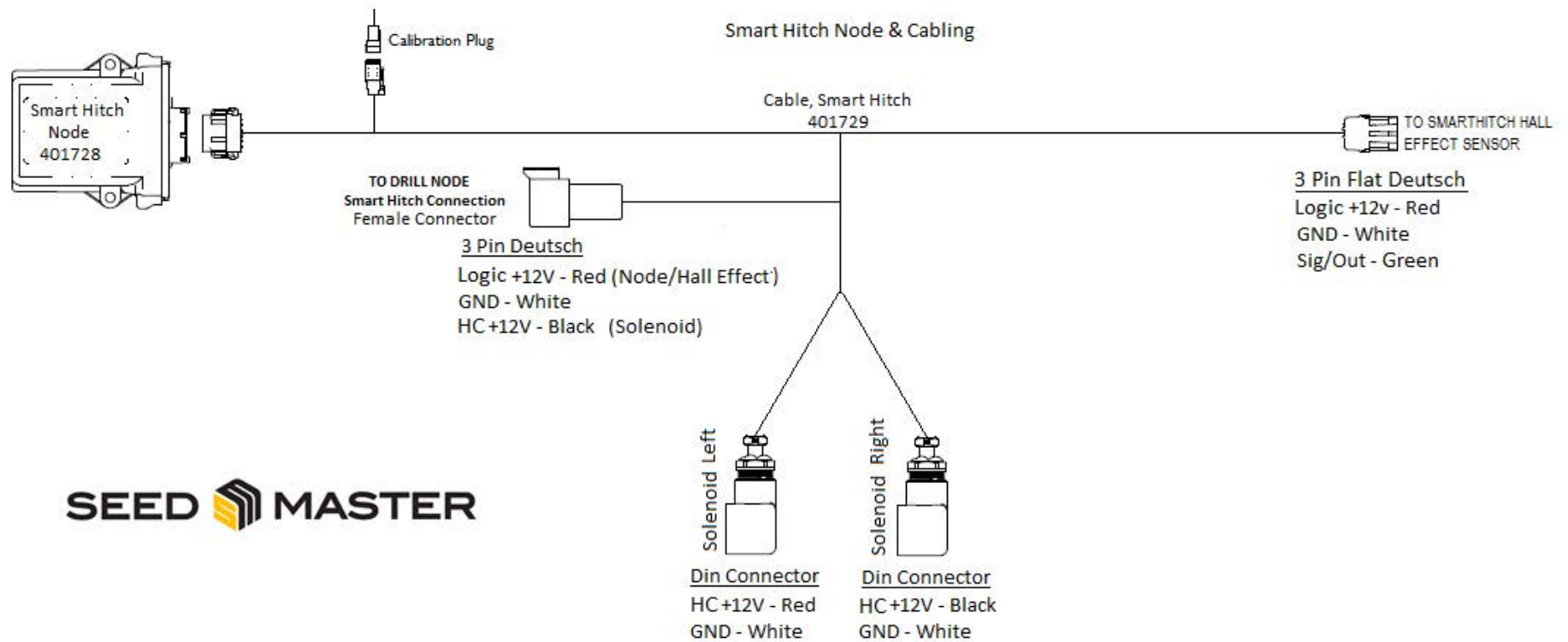
# Parts Description: ISO Toolbar Functions w/ Existing VT – Liquid Ready



# Parts Description:

## Smart Hitch Node & Cabling

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SEED  MASTER



# Parts Description: Clearance Lights

SEEDMASTER  
CLEARANCE LIGHT  
WIRING SCHEMATIC

