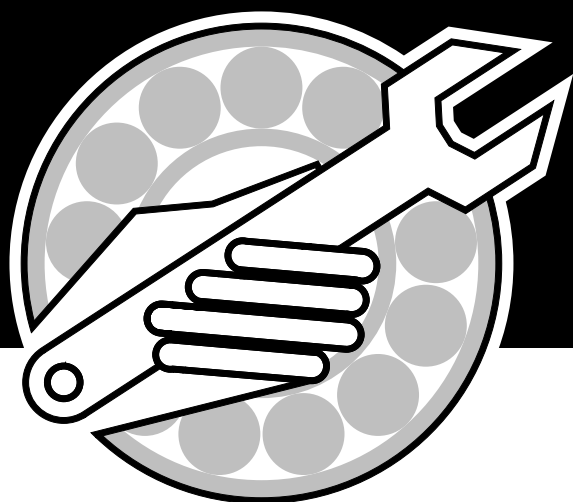




# Parts Manual



## 1400 Hay Hiker

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**IMPORTANT:**

ALL ITEMS ARE IDENTIFIED WITH A PART NUMBER. Some of the smaller parts such as bolts, nuts, washers, etc. are not all shown, however, the quantity used are listed in the text for that section which they fit into. That particular quantity is always the quantity required for one complete assembly.

Smaller parts, which are welded together to construct a larger part, are not to be ordered as individual pieces, unless they have a part number to identify them.

Contact your nearest dealer for genuine repair parts. Dealers carry ample stock and are backed by the manufacturer and regional associations.

**PROAG PAINT**

Spray Cans:

| Part Number  | Description         |
|--------------|---------------------|
| W-4647 ..... | Red Spray Can       |
| W-4648 ..... | Blue Spray Can      |
| N31087 ..... | Sky White Spray Can |

Litre Cans:

| Part Number | Description      |
|-------------|------------------|
| Z-10 .....  | Red Paint/Litre  |
| Z-11 .....  | Blue Paint/Litre |

**MANUALS**

| Part Number  | Description       |
|--------------|-------------------|
| K49076 ..... | Operator's Manual |
| K49077 ..... | Assembly Manual   |

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# Table of Contents

---

## Section 1:

|                                |            |
|--------------------------------|------------|
| <b>Frame &amp; Hitch .....</b> | <b>1-1</b> |
| Frame & Hitch .....            | 1-2        |
| Hitch Jack - Prior 2010 .....  | 1-4        |
| Hitch Jack - From 2010.....    | 1-5        |

## Section 2:

|                                         |            |
|-----------------------------------------|------------|
| <b>Push Bar, Fork &amp; Drive .....</b> | <b>2-1</b> |
| Push Bar .....                          | 2-2        |
| Fork.....                               | 2-4        |
| Drive.....                              | 2-6        |

## Section 3:

|                                 |            |
|---------------------------------|------------|
| <b>Axle &amp; Wheels.....</b>   | <b>3-1</b> |
| Wheels - 37,000 GVW Axles ..... | 3-2        |
| Axles .....                     | 3-3        |

## Section 4:

|                                       |            |
|---------------------------------------|------------|
| <b>Hydraulics .....</b>               | <b>4-1</b> |
| Push Bar Tilt - Prior to 2012 .....   | 4-2        |
| Push Bar Tilt - 2012 to 2017 .....    | 4-4        |
| Push Bar Tilt - 2018 to present ..... | 4-6        |
| Fork/Bed Tilt - Prior to 2012 .....   | 4-8        |
| Fork/Bed Tilt - 2012 to 2015 .....    | 4-10       |
| Fork/Bed Tilt - 2016 to 2017 .....    | 4-12       |
| Fork/Bed Tilt - 2018 to Present ..... | 4-14       |
| Cylinders .....                       | 4-16       |
| Line Lock Valves.....                 | 4-20       |

## Section 5:

|                                        |            |
|----------------------------------------|------------|
| <b>Lighting and Safety Signs .....</b> | <b>5-1</b> |
| Marking Lights.....                    | 5-2        |
| Safety Signs.....                      | 5-4        |

|                    |          |
|--------------------|----------|
| <b>Index .....</b> | <b>i</b> |
|--------------------|----------|

# Table of Contents

---

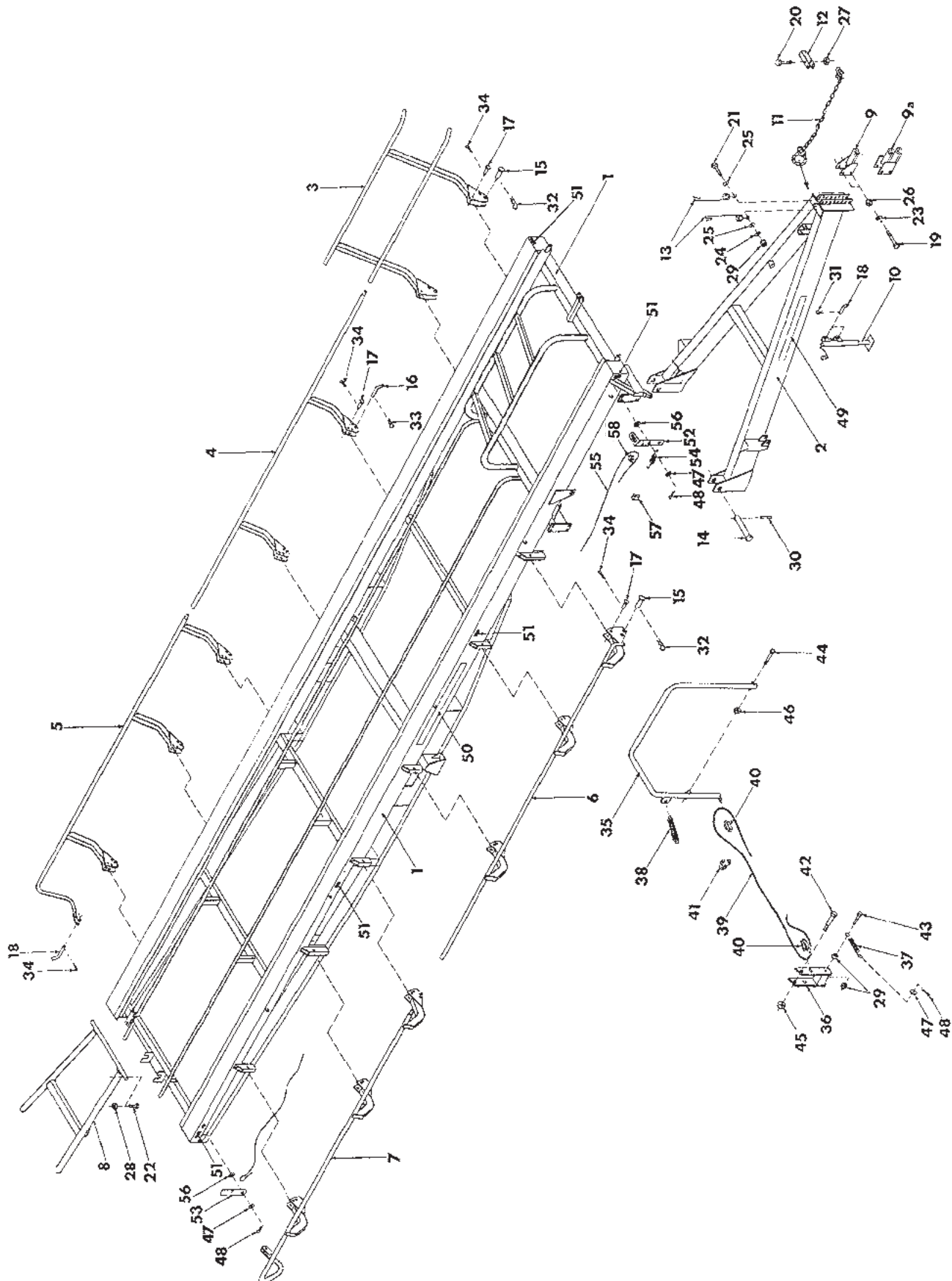
| Notes |
|-------|
|-------|

# Section 1: Frame & Hitch

## Section Contents

|                               |     |
|-------------------------------|-----|
| Frame & Hitch .....           | 1-2 |
| Hitch Jack - Prior 2010 ..... | 1-4 |
| Hitch Jack - From 2010.....   | 1-5 |

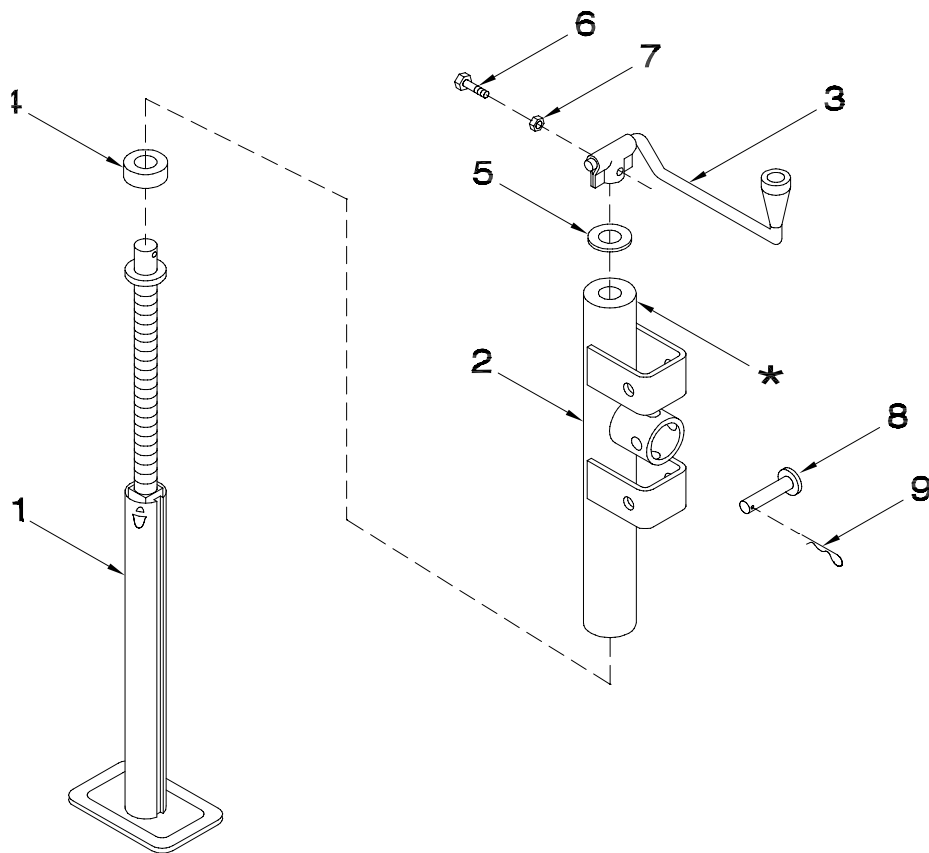
# Frame & Hitch



## Frame & Hitch - 1400 Hay Hiker

| Item | Part No. | Description                                      | Qty |
|------|----------|--------------------------------------------------|-----|
| 1    | K24180   | Main Frame .....                                 | 1   |
| 2    | K24035   | Hitch .....                                      | 1   |
| 3    | K24190   | Rail - Left Front Bale Stop .....                | 1   |
| 4    | K24187   | Rail - Left Middle .....                         | 1   |
| 5    | K25790   | Rail - Left Rear .....                           | 1   |
| 6    | K24192   | Rail - Right Front.....                          | 1   |
| 7    | K25797   | Rail - Right Rear .....                          | 1   |
| 8    | K24299   | Bail Divider .....                               | 1   |
| 9    | K24206   | Clevis .....                                     | 1   |
| 9a   | K24042   | Clevis Double Strap (optional) .....             | 1   |
| 10   | H59985   | Hitch Jack - 7000 lb Capacity .....              | 1   |
| 11   | C18761   | Safety Chain - 40,000 lb .....                   | 1   |
| 12   | C18758   | Support - Safety Chain .....                     | 1   |
| 13   | W-7      | Hose Holder .....                                | 2   |
| 14   | K24589   | Pin - 1 1/4 x 6 3/8 UL .....                     | 2   |
| 15   | C-1429   | Pin - 1 x 3 3/8 UL .....                         | 3   |
| 16   | K24199   | Pin - 3/4 x 3 3/4 UL .....                       | 10  |
| 17   | D12671   | Pin - 3/4 x 2 7/8 UL .....                       | 13  |
| 18   | H10462   | Pin - 5/8 x 3 5/8 UL .....                       | 2   |
| 19   | D-5558   | Hex Bolt - 3/4 x 6 .....                         | 2   |
| 20   | D-5519   | Hex Bolt - 1/2 x 3 1/4 .....                     | 1   |
| 21   | W-488    | Hex Bolt - 1/2 x 2 .....                         | 1   |
| 22   | W-478    | Hex Bolt - 3/8 x 2 .....                         | 1   |
| 23   | W-527    | Lockwasher - 3/4 .....                           | 2   |
| 24   | W-525    | Lockwasher - 1/2 .....                           | 1   |
| 25   | C-333    | Flatwasher - 1/2 .....                           | 2   |
| 26   | W-518    | Hex Nut - 3/4 .....                              | 2   |
| 27   | F-3405   | Locknut - 1/2 .....                              | 1   |
| 28   | W21476   | Locknut - 3/8 (2 Way).....                       | 1   |
| 29   | M-3388   | Hex Nut - 1/2 .....                              | 1   |
| 30   | D-5244   | Spiral Pin - 1/4 x 2 .....                       | 2   |
| 31   | D-5240   | Hair Pin - #6 - 3/16 x 3 1/4 .....               | 4   |
| 32   | BW-11    | Hair Pin - #8 - 3/16 x 3 3/4 .....               | 3   |
| 33   | W-131    | Hair Pin - #9 - 5/32 x 3 5/16 .....              | 10  |
| 34   | W-533    | Cotter Pin - 3/16 x 2 .....                      | 15  |
| 35   | K24088   | Actuator .....                                   | 1   |
| 36   | K24092   | Deflector Lock .....                             | 1   |
| 37   | K24160   | Spring - Deflector Lock .....                    | 1   |
| 38   | C-805    | Spring - Actuator - 1 3/8 OD x 14 3/4 Lg.....    | 1   |
| 39   | K24093   | Cable - 3/16 Dia x 96 Lg .....                   | 1   |
| 40   | D-5063   | Thimble.....                                     | 4   |
| 41   | S-1240   | Cable Clamp - 3/16.....                          | 4   |
| 42   | S-1175   | Hex Bolt - 3/4 x 4 1/2 .....                     | 1   |
| 43   | W-488    | Hex Bolt - 1/2 x 2 .....                         | 1   |
| 44   | W-1854   | Hex Bolt - 3/8 x 3 .....                         | 2   |
| 45   | D-5275   | Locknut - 3/4 Nylon Insert .....                 | 1   |
| 46   | M-3388   | Locknut - 3/8 Unitorque .....                    | 2   |
| 47   | W-539    | Flatwasher - 1/2.....                            | 3   |
| 48   | W-529    | Cotter Pin - 1/8 x 1 1/4.....                    | 3   |
| 49   | K53626   | Decal - "PROAG" .....                            | 2   |
| 50   | K24053   | Decal - "1400 HAYHIKER" .....                    | 2   |
| 51   | N34477   | Reflector - YELLOW .....                         | 12  |
| 52   | K44733   | Indicator - Full Bed.....                        | 1   |
| 53   | K24903   | Activator - Full Bed.....                        | 1   |
| 54   | W-1663   | Spring .....                                     | 1   |
| 55   | K24894   | 1/16 aircraft cable x 38' Lg.....                | 1   |
| 56   | C-333    | Flatwasher - 1/2.....                            | 2   |
| 57   | K42389   | Oval Sleeve - 0.062" DIA.....                    | 2   |
| 58   | K42390   | Thimble - Stainless.....                         | 2   |
| 59   | K28561   | Decal - Chain Tensioner Spring (Not Shown) ..... | 1   |

## Frame & Hitch Hitch Jack - Prior 2010

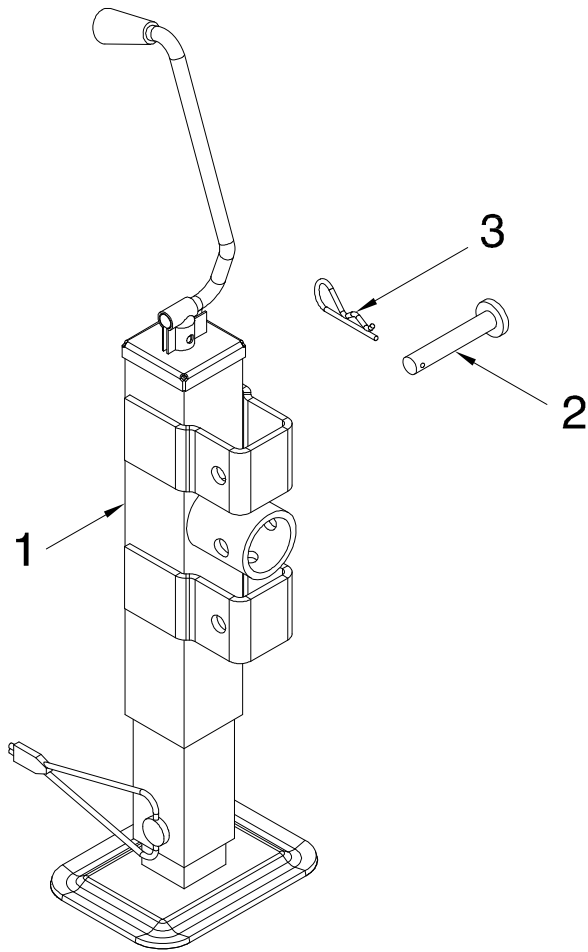


| Item | Part No. | Description                                                                       | Qty |
|------|----------|-----------------------------------------------------------------------------------|-----|
| 1    | N19965   | Inner Tube Screw Assembly .....                                                   | 1   |
| 2    | N19966   | Outer Tube .....                                                                  | 1   |
| 3    | N19967   | Handle Assembly .....                                                             | 1   |
| 4    | N19968   | Thrust Bearing .....                                                              | 1   |
| 5    | N19969   | Flatwasher .....                                                                  | 1   |
| 6    | W-473    | Hex Bolt - 5/16 x 1 1/2.....                                                      | 1   |
| 7    | D-5272   | Locknut - 5/16 .....                                                              | 1   |
| 8    | H10462   | Button Head Pin .....                                                             | 2   |
| 9    | W-131    | Hair Pin - #9 x 3 5/16 Lg .....                                                   | 2   |
|      | N19866   | Jack Assembly (Includes All Above Items)                                          |     |
|      |          | *NOTE: Jack Can Be Identified By a Stamp (7000)<br>Near the Top of the Outer Tube |     |



Frame & Hitch

Hitch Jack - From 2010



| Item | Part No. | Description                         | Qty |
|------|----------|-------------------------------------|-----|
| 1    | H59985   | Hitch Jack Assembly - 7000 lb ..... | 1   |
| 2    | H10462   | Button Head Pin .....               | 2   |
| 3    | W-131    | Hair Pin - #9 .....                 | 2   |

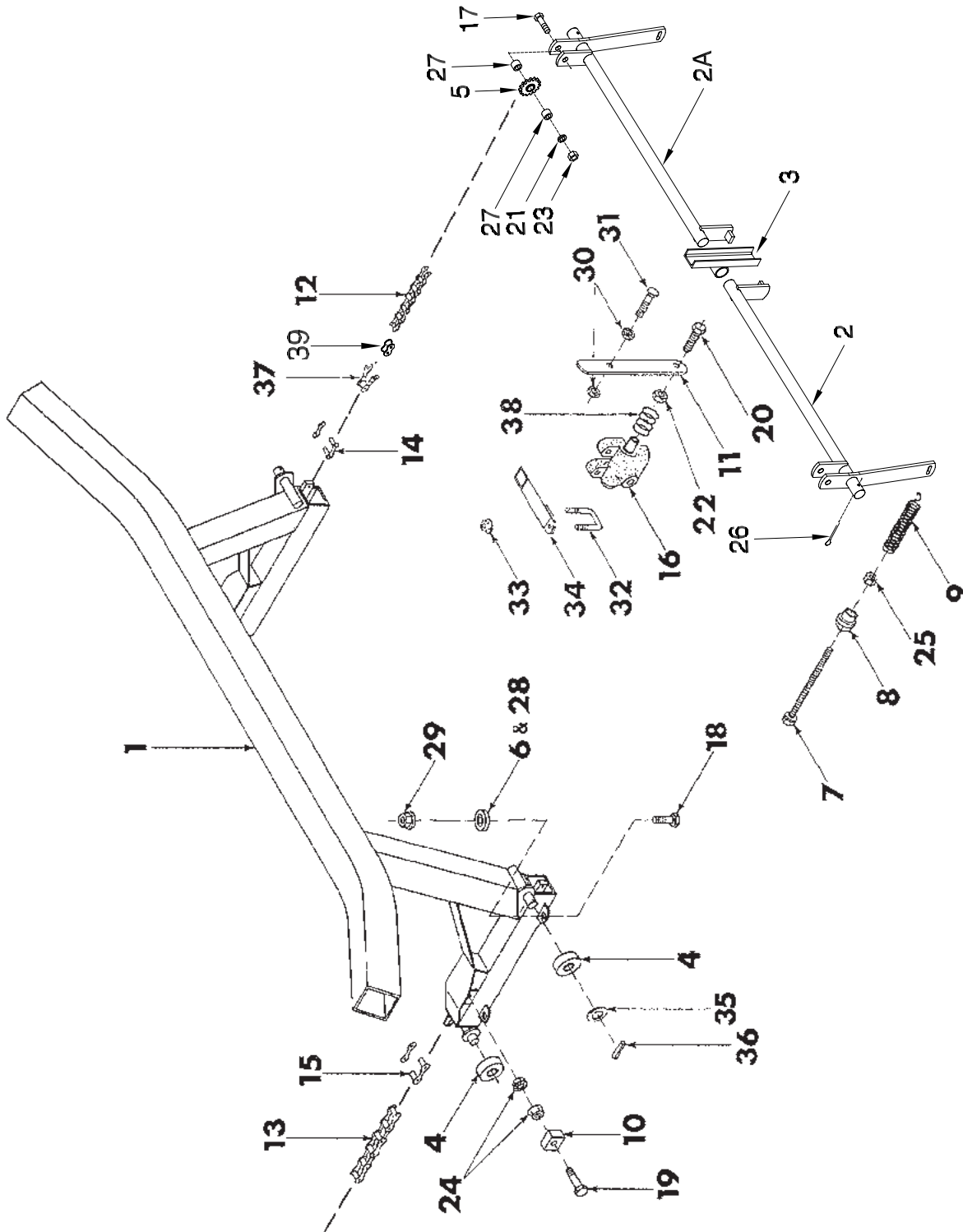


## Section 2: Push Bar, Fork & Drive

### Section Contents

|                |     |
|----------------|-----|
| Push Bar ..... | 2-2 |
| Fork .....     | 2-4 |
| Drive .....    | 2-6 |

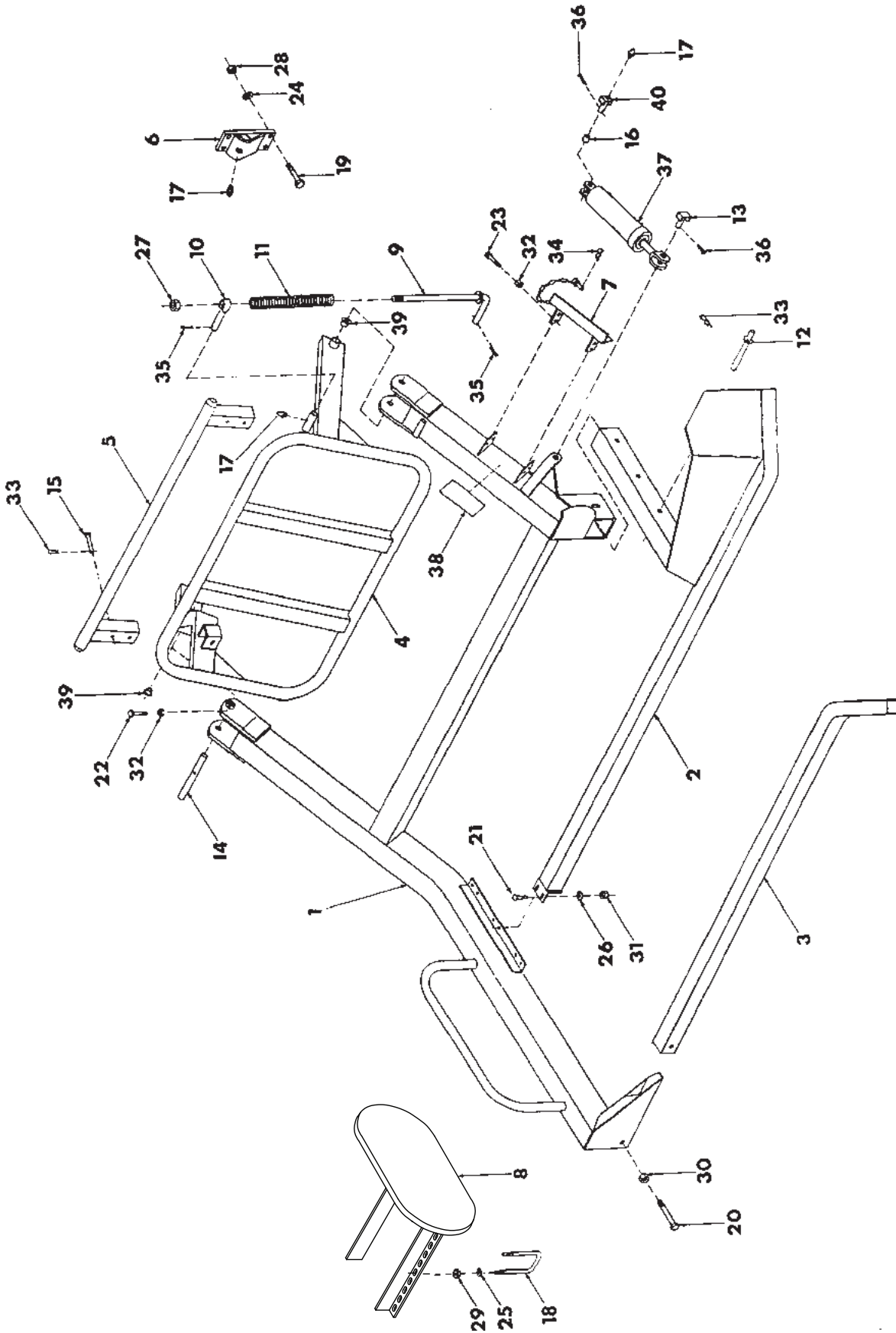
# Push Bar, Fork & Drive Push Bar



# Push Bar, Fork & Drive - 1400 Hay Hiker

| Item | Part No.      | Description                                            | Qty      |
|------|---------------|--------------------------------------------------------|----------|
| 1    | K24010        | Pushbar.....                                           | 1        |
| 2    | K33900        | Chain Tightener Arm (Right).....                       | 1        |
| 2A   | K33901        | Chain Tightener Arm (Left) .....                       | 1        |
| 3    | K24288        | Lever Valve .....                                      | 1        |
| 4    | K27500        | Roller Bearing Assembly (Oilite Bushing #K27503) ..... | 4        |
| 5    | <b>K50891</b> | <b>Idler Sprocket .....</b>                            | <b>2</b> |
|      | K46435        | KIT: IDLER UPGRADE                                     |          |
| 6    | K25787        | Inner Bushing - 7/8 OD x .635 ID x 3/4 Lg.....         | 4        |
| 7    | K24264        | Spring Rod - 3/8 x 7 11/16 Lg.....                     | 2        |
| 8    | V-3262        | Spring Plug (Includes Item 25).....                    | 2        |
| 9    | V-339         | Spring - 1 15/16 OD x 12 1/2 Lg.....                   | 2        |
|      | V-3465        | Spring Assembly (Includes Items 8, 9 & 25) .....       |          |
| 10   | K24884        | Nylon Wear Block.....                                  | 2        |
| 11   | K21994        | Shut Off Lever .....                                   | 1        |
| 12   | K24110        | Chain #2060 - 297 Links .....                          | 2        |
| 13   | K24107        | Chain #80 - 439 Links .....                            | 2        |
| 14   | K24112        | Connector #2060.....                                   | 2        |
| 15   | K24114        | Connector #80.....                                     | 2        |
| 16   | S-4730        | Valve - Selector .....                                 | 1        |
| 17   | C-3016        | Hex Bolt - 5/8 x 3 Lg.....                             | 2        |
| 18   | W-497         | Hex Bolt - 5/8 x 1 1/2 Lg.....                         | 4        |
| 19   | W-489         | Hex Bolt - 1/2 x 2 1/4 Lg.....                         | 2        |
| 20   | W-487         | Hex Bolt - 3/8 x 1 3/4 Lg.....                         | 1        |
| 21   | W-526         | Lockwasher - 5/8.....                                  | 2        |
| 22   | W-514         | Hex Nut - 3/8 .....                                    | 2        |
| 23   | W-517         | Hex Nut - 5/8 .....                                    | 2        |
| 24   | D14565        | Flange Locknut - 1/2 .....                             | 4        |
| 25   | M-3388        | Locknut - 3/8 .....                                    | 2        |
| 26   | D-5239        | Cotter Pin - 1/4 x 2 1/4 .....                         | 2        |
| 27   | <b>K50890</b> | <b>Spacer - 0.688 ID x 1 OD x 3/8 Lg .....</b>         | <b>4</b> |
| 28   | K25951        | Outer Bushing Assembly (Nylon Insert #K25973).....     | 4        |
| 29   | W14434        | Flange Locknut - 5/8 .....                             | 4        |
| 30   | S-748         | Jam Nut - 3/8 .....                                    | 2        |
| 31   | W-478         | Hex Bolt - 3/8 x 2 Lg.....                             | 1        |
| 32   | D12714        | U-Bolt - 3/8.....                                      | 1        |
| 33   | D-5279        | Locknut - 3/8 Serrated Flange.....                     | 2        |
| 34   | K21993        | Shut Off Backstop .....                                | 1        |
| 35   | N11572        | Washer - 3/16 x 1 1/2 ID x 2 3/4 OD .....              | 2        |
| 36   | K-3832        | Spiral Pin - 5/16 x 3 Lg.....                          | 2        |
| 37   | K27558        | Chain Link #2060 - Offset .....                        | 2        |
| 38   | K25655        | Spring - 1.3245 ID x 2.012 Lg.....                     | 1        |
| 39   | S34100        | Chain Link #80 - Offset .....                          | 2        |
| 40   | K27558        | Off Set Connector #2060 (Not Shown)                    |          |

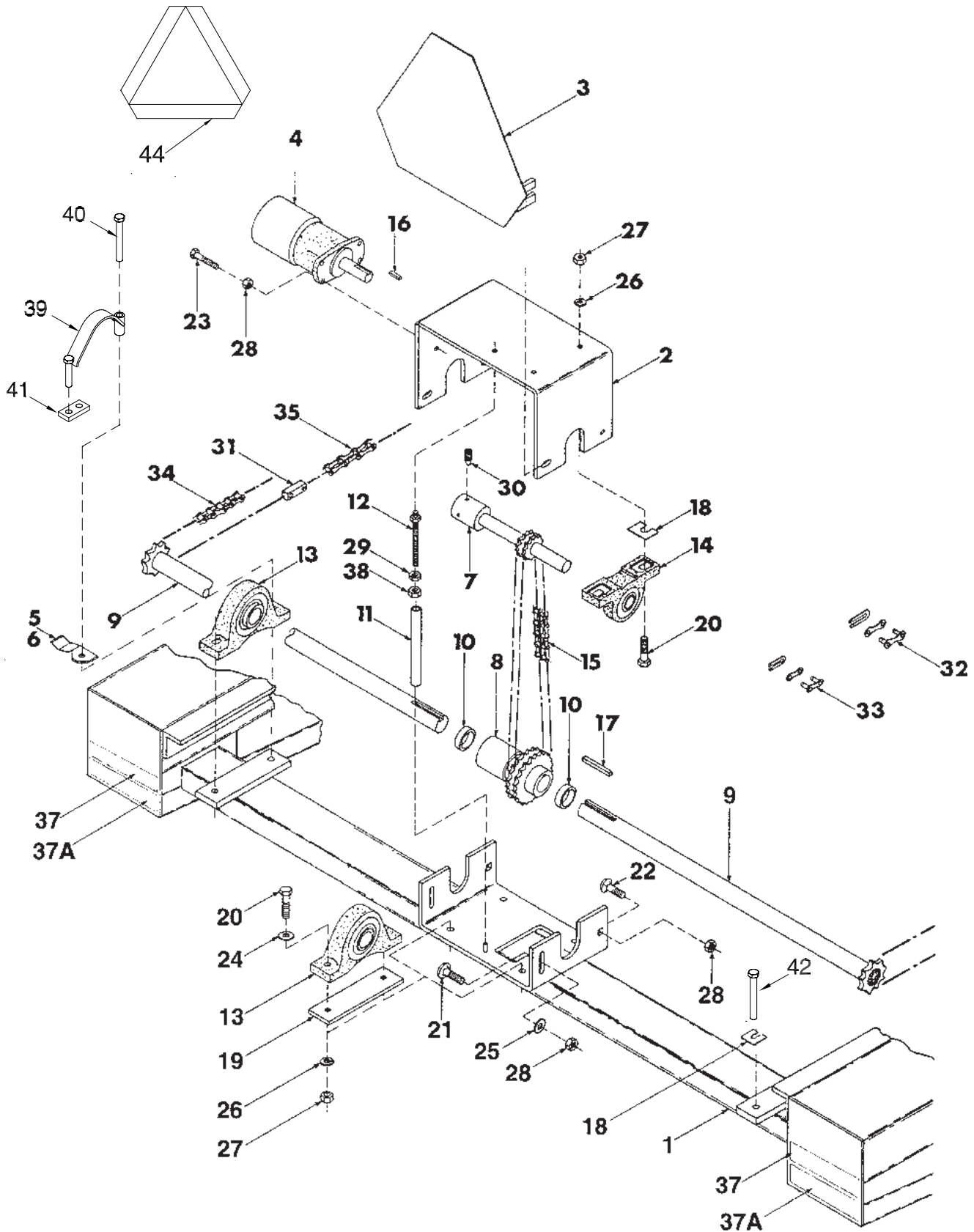
# Push Bar, Fork & Drive Fork



## Push Bar, Drive & Fork - 1400 HayHiker Fork

| Item | Part No. | Description                                                     | Qty |
|------|----------|-----------------------------------------------------------------|-----|
| 1    | K24060   | Bale Fork.....                                                  | 1   |
| 2    | K24877   | Fork - Inner w/Deflector.....                                   | 1   |
| 3    | K24195   | Fork - Outer.....                                               | 1   |
| 4    | K24075   | Deflector.....                                                  | 1   |
| 5    | K24076   | Rail - Deflector.....                                           | 1   |
| 6    | K24017   | Pivot Bracket.....                                              | 2   |
| 7    | K24210   | Transport Lock.....                                             | 1   |
| 8    | K21447   | Bale Stop (optional).....                                       | 1   |
| 9    | K24265   | Spring Arm.....                                                 | 1   |
| 10   | K24083   | Pivot Pin - 1" Dia.....                                         | 1   |
| 11   | F-3404   | Spring - 1.87 OD x 13 3/16 Lg.....                              | 1   |
| 12   | K24204   | Pin - 3/4 x 5 1/4 UL.....                                       | 1   |
| 13   | K24578   | Pin - 1 x 2 1/4 UL.....                                         | 1   |
| 14   | K33997   | Pin - 1 1/4 x 10 1/8 - Hole 3/8 from end - 2001 to present..... | 2   |
|      | K24200   | Pin - 1 1/4 x 9 3/8 - Hole 2 3/4 from end - Prior to 2001.....  |     |
| 15   | S-3445   | Button Head Pin - 5/8 x 3 1/2 UL.....                           | 2   |
| 16   | K24004   | Bushing - Spring Tension.....                                   | 3   |
| 17   | S-752    | Grease Zerk - 1/4 Straight.....                                 | 6   |
| 18   | K24144   | U-Bolt - 5/8.....                                               | 2   |
| 19   | W-509    | Hex Bolt - 3/4 x 2 1/2.....                                     | 8   |
| 20   | W-506    | Hex Bolt - 5/8 x 5.....                                         | 1   |
| 21   | D-5267   | Carriage Bolt - 1/2 x 1 3/4.....                                | 2   |
| 22   | W-480    | Hex Bolt - 3/8 x 2 1/2.....                                     | 2   |
| 23   | W-187    | Hex Bolt - 3/8 x 1 1/4.....                                     | 2   |
| 24   | W-527    | Lockwasher - 3/4.....                                           | 8   |
| 25   | W-526    | Lockwasher - 5/8.....                                           | 4   |
| 26   | W-525    | Lockwasher - 1/2.....                                           | 2   |
| 27   | D-5274   | Locknut - 1 Unitorque.....                                      | 1   |
| 28   | W-518    | Hex Nut - 3/4.....                                              | 8   |
| 29   | W-517    | Hex Nut - 5/8.....                                              | 4   |
| 30   | S-1197   | Locknut - 5/8 Unitorque.....                                    | 1   |
| 31   | W-516    | Hex Nut - 1/2.....                                              | 2   |
| 32   | M-3388   | Locknut - 3/8 Unitorque.....                                    | 4   |
| 33   | W-131    | Hair Pin - #9.....                                              | 3   |
| 34   | F12981   | Hair Pin - #16.....                                             | 1   |
| 35   | W-533    | Cotter Pin - 3/16 x 2.....                                      | 2   |
| 36   | W-535    | Cotter Pin - 1/4 x 1 1/2.....                                   | 4   |
| 37   | C-2043   | Cylinder - 3 1/2 x 12 GBP.....                                  | 1   |
| 38   | K24212   | Decal - "DANGER - FORK FALLING".....                            | 1   |
| 39   | C18510   | Nylon Bushing.....                                              | 2   |
| 40   | K24904   | Greasable Pin - 1 x 2 1/4 UL.....                               | 3   |
| 41   | S-367    | Washer.....                                                     | 2   |

# Push Bar, Fork & Drive Drive





## Push Bar, Fork & Drive - 1400 HayHiker Drive

| Item | Part No. | Description                                                                                                                           | Qty    |
|------|----------|---------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1    | K24180   | Main Frame .....                                                                                                                      | 1      |
| 2    | K24176   | Chain Housing .....                                                                                                                   | 1      |
| 3    | K24293   | SMV Sign Bracket .....                                                                                                                | 1      |
| 4    | K24111   | Hydraulic Motor (Seal Kit #K29029) .....                                                                                              | 1      |
| 5    | K24900   | Straw Cutter - Right .....                                                                                                            | 1      |
| 6    | K24901   | Starw Cutter - Left .....                                                                                                             | 1      |
| 7    | K24267   | Motor Jack Shaft .....                                                                                                                | 1      |
| 8    | K24270   | Drive Shaft Coupler .....                                                                                                             | 1      |
| 9    | K24269   | Drive Shaft .....                                                                                                                     | 2      |
| 10   | K24164   | Spacer - Drive Shaft .....                                                                                                            | 2      |
| 11   | K24104   | Spacer - Chain Tensioner .....                                                                                                        | 1      |
| 12   | K24185   | Chain Tensioner Rod - 1/2 x 5 Lg .....                                                                                                | 1      |
| 13   | K24113   | Pillow Block Bearing - 1 3/4 Dia c/w Locking Collar (Fit on Item 9) .....                                                             | 4      |
| 14   | K24116   | Pillow Block Bearing - 1 1/4 Dia c/w Locking Collar (Fits on Item 7) .....                                                            | 1      |
| 15   | K24106   | Chain 60H - 2 x 30 Links w/connector .....                                                                                            | 1      |
| 16   | K32232   | Key - 5/16 x 1 Lg .....                                                                                                               | 1      |
| 17   | K24105   | Key - 3/8 x 3 Lg .....                                                                                                                | 2      |
| 18   | T-4832   | Shim - .025 .....                                                                                                                     | As req |
| 19   | K24896   | Spacer - 1/4 .....                                                                                                                    | 2      |
| 20   | W-501    | Hex Bolt - 5/8 x 2 1/2 .....                                                                                                          | 4      |
| 21   | D-5267   | Carriage Bolt - 1/2 x 1 3/4 .....                                                                                                     | 2      |
| 22   | H-4584   | Carriage Bolt - 1/2 x 1 1/2 .....                                                                                                     | 2      |
| 23   | S-1189   | Hex Bolt - 1/2 x 1 3/4 .....                                                                                                          | 2      |
| 24   | W-629    | Flatwasher - 5/8 .....                                                                                                                | 6      |
| 25   | W-539    | Flatwasher - 1/2 .....                                                                                                                | 2      |
| 26   | W-526    | Lockwasher - 5/8 .....                                                                                                                | 12     |
| 27   | W-517    | Hex Nut - 5/8 .....                                                                                                                   | 12     |
| 28   | F-3405   | Locknut - 1/2 Unitorque .....                                                                                                         | 6      |
| 29   | S-1292   | Jam Nut - 1/2 .....                                                                                                                   | 1      |
| 30   | S-1203   | Setscrew - 5/16 x 1/2 Allan Head .....                                                                                                | 1      |
| 31   | K24090   | Connector Link .....                                                                                                                  | 2      |
| 32   | K24112   | Connector - Chain #2060 .....                                                                                                         | 2      |
|      | K27558   | Off Set Connector - Chain # 2060 .....                                                                                                |        |
| 33   | K24114   | Connector - Chain #80 .....                                                                                                           | 2      |
| 34   | K24107   | Chain #80 - 439 Links .....                                                                                                           | 2      |
| 35   | K24110   | Chain #2060 - 297 Links .....                                                                                                         | 2      |
| 36   | *****    |                                                                                                                                       |        |
| 37   | N34476   | Reflector - RED .....                                                                                                                 | 4      |
| 37A  | N34478   | Reflector - RED/ORANGE .....                                                                                                          | 4      |
| 38   | W-516    | Hex Nut - 1/2 .....                                                                                                                   | 1      |
| 39   | K33558   | Bracket - Reinforcing - Pillow Block .....                                                                                            | 2      |
| 40   | C-852    | Hex Bolt 5/8 x 4 1/2 Lg .....                                                                                                         | 2      |
| 41   | K33559   | Plate .....                                                                                                                           | 2      |
| 42   | W-502    | Hex Bolt 5/8 x 2 3/4 Lg .....                                                                                                         | 2      |
| 43   | K25314   | Setscrew - 1/4 x 1/4 x 28 UNF Lg .....                                                                                                | 4      |
| 44   | N34474   | Decal - SMV .....                                                                                                                     |        |
|      | K33560   | Kit - Pillow Block Reinforcement<br>Includes 2 of Item 39, 2 of Item 40, 2 of Item 41,<br>2 of Item 42, 2 of Item 26 and 2 of Item 27 |        |



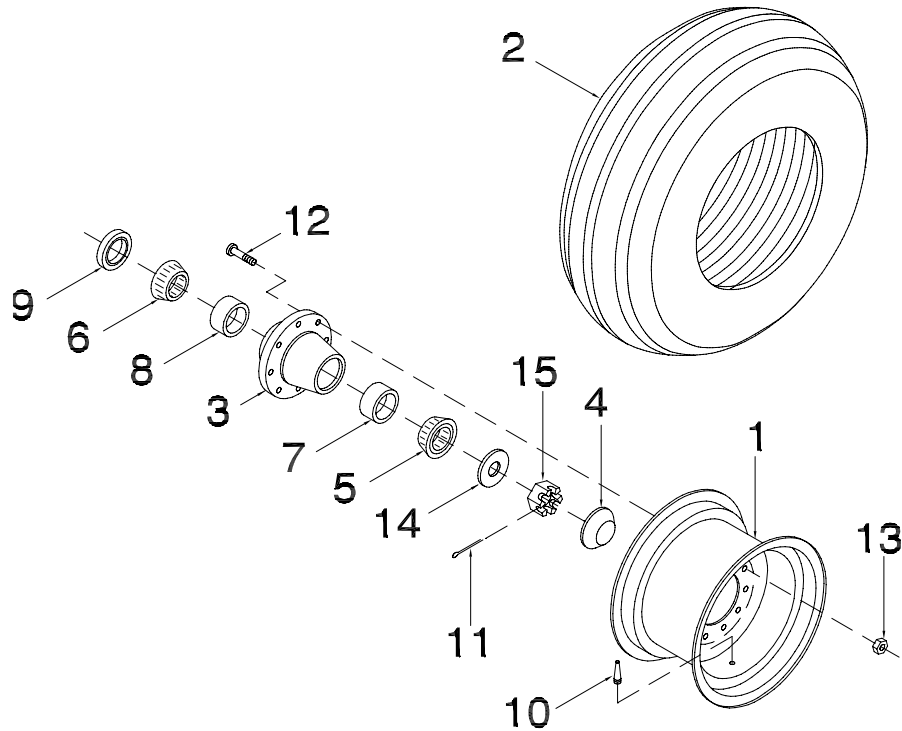
# Section 3: Axle & Wheels

## Section Contents

|                                 |     |
|---------------------------------|-----|
| Wheels - 37,000 GVW Axles ..... | 3-2 |
| Axles .....                     | 3-3 |

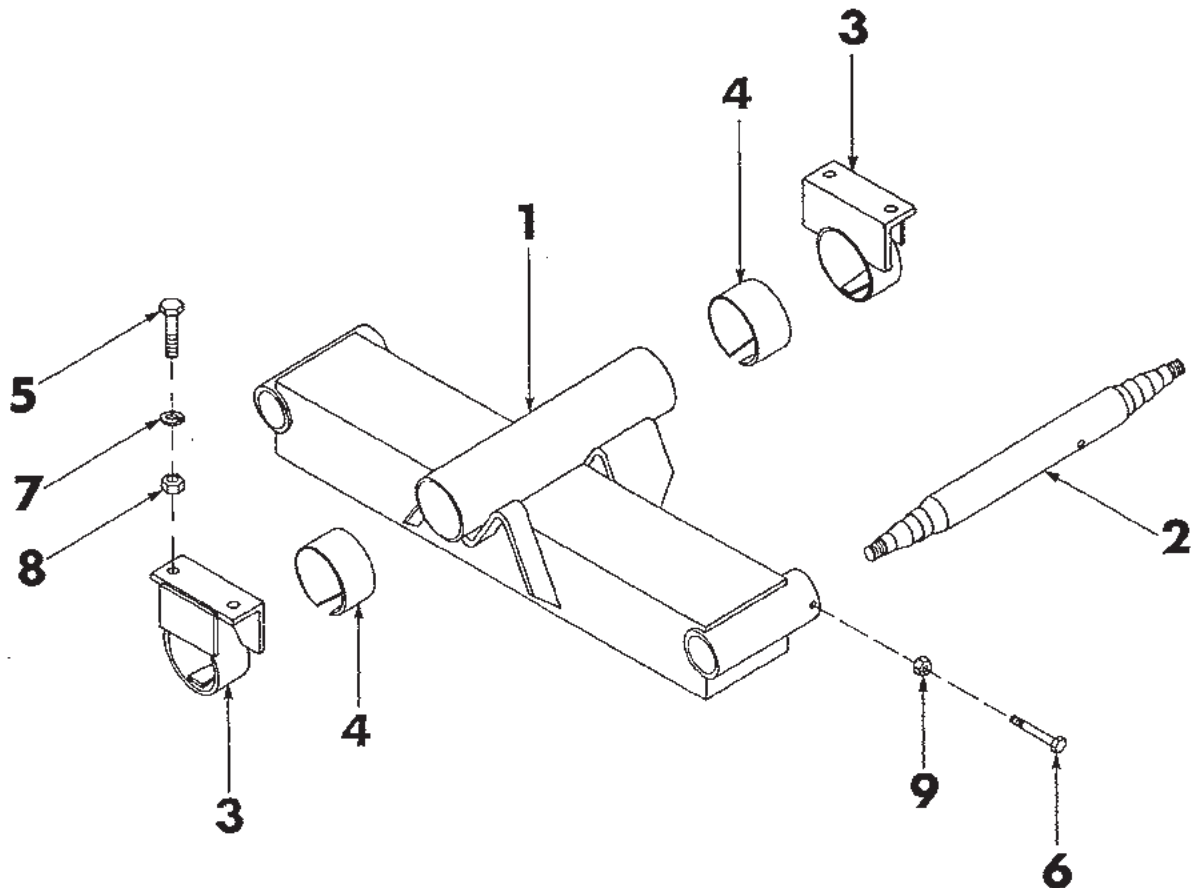
**Axles & Wheels**  
**Wheels - 37,000 GVW Axles**

### 8 Bolt Hub



| Item | Part No. | Description                                          | Qty |
|------|----------|------------------------------------------------------|-----|
| 1    | C17355   | Rim - 15 x 10 - 8 Bolt.....                          | 1   |
| 2    | C16609   | Tire - 11 x 15 FI Load Range F (12 Ply Rating) ..... | 1   |
| 3    | N19173   | Heavy Duty Hub (Includes Items 7, 8 & 12).....       | 1   |
| 4    | N19171   | Dust Cap .....                                       | 1   |
| 5    | N19170   | Outer Wheel Bearing.....                             | 1   |
| 6    | N19169   | Inner Wheel Bearing .....                            | 1   |
| 7    | N19168   | Outer Bearing Cup .....                              | 1   |
| 8    | N19167   | Inner Bearing Cup.....                               | 1   |
| 9    | N19172   | Seal.....                                            | 1   |
| 10   | C17348   | Valve Stem .....                                     | 1   |
| 11   | D-5239   | Cotter Pin - 1/4 x 2 1/4 .....                       | 1   |
| 12   | N19727   | Wheel Stud - 5/8 x 18 UNF x 2 1/2 .....              | 8   |
| 13   | N19586   | Wheel Nut - 5/8.....                                 | 8   |
| 14   | N13962   | Flatwasher .....                                     | 1   |
| 15   | N19484   | Castle Nut - 1 1/4 .....                             | 1   |

## Axles & Wheels Axles



| Item | Part No. | Description                    | Qty |
|------|----------|--------------------------------|-----|
| 1    | K24045   | Axle .....                     | 1   |
| 2    | K24085   | Spindle - 8 Bolt.....          | 2   |
| 3    | K24283   | Pivot Bearing Bracket.....     | 2   |
| 4    | K24284   | Wear Strip .....               | 2   |
| 5    | W-509    | Hex Bolt - 3/4 x 2 1/4 Lg..... | 4   |
| 6    | W-506    | Hex Bolt - 5/8 x 5 Lg.....     | 2   |
| 7    | W-527    | Lockwasher - 3/4.....          | 4   |
| 8    | W-518    | Hex Nut - 3/4 .....            | 4   |
| 9    | S-1197   | Locknut - 5/8 .....            | 2   |

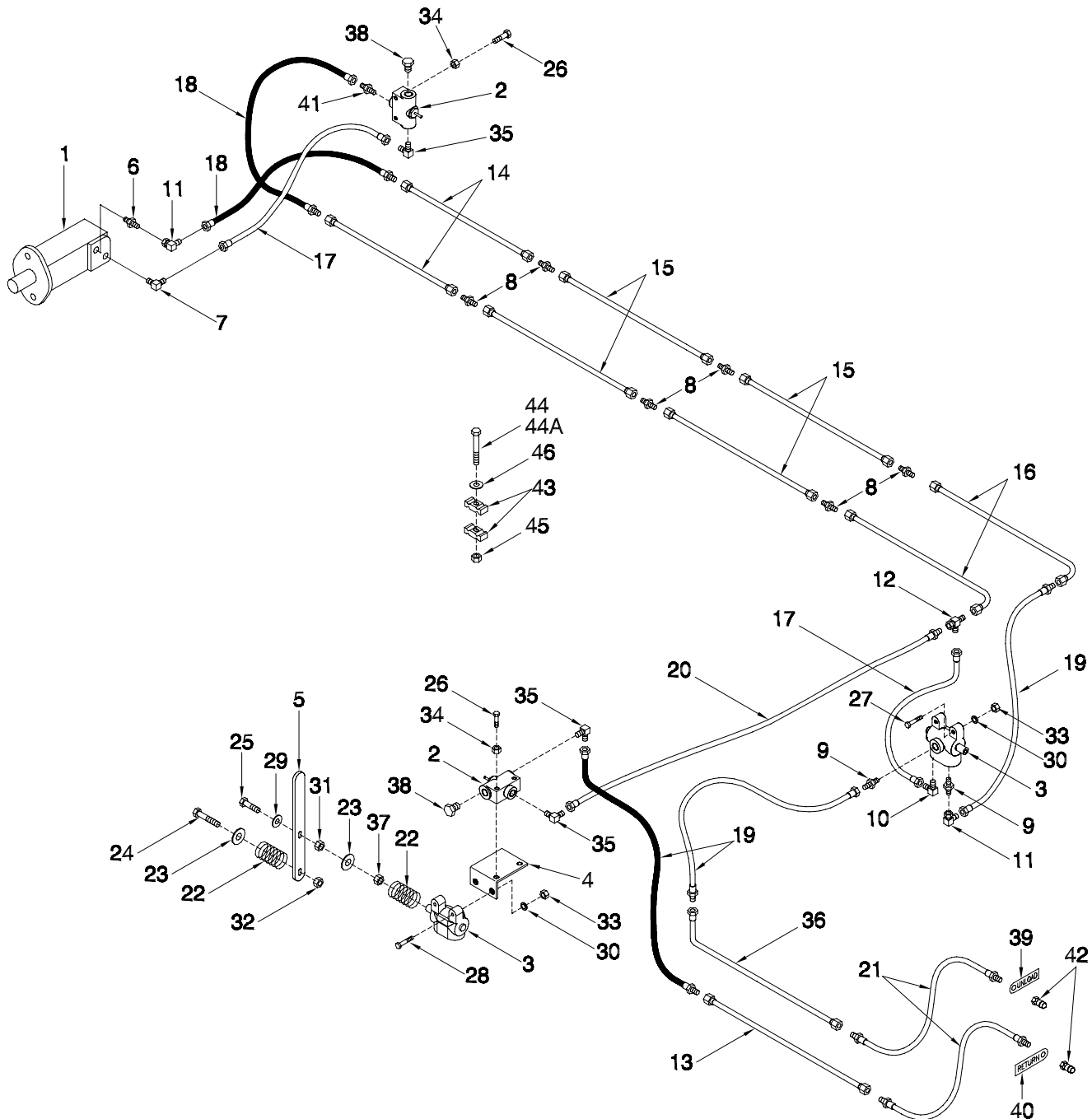


## Section 4: Hydraulics

### Section Contents

|                                       |      |
|---------------------------------------|------|
| Push Bar Tilt - Prior to 2012 .....   | 4-2  |
| Push Bar Tilt - 2012 to 2017 .....    | 4-4  |
| Push Bar Tilt - 2018 to present ..... | 4-6  |
| Fork/Bed Tilt - Prior to 2012 .....   | 4-8  |
| Fork/Bed Tilt - 2012 to 2015 .....    | 4-10 |
| Fork/Bed Tilt - 2016 to 2017 .....    | 4-12 |
| Fork/Bed Tilt - 2018 to Present ..... | 4-14 |
| Cylinders .....                       | 4-16 |
| Line Lock Valves.....                 | 4-20 |

# Hydraulics Push Bar Tilt - Prior to 2012

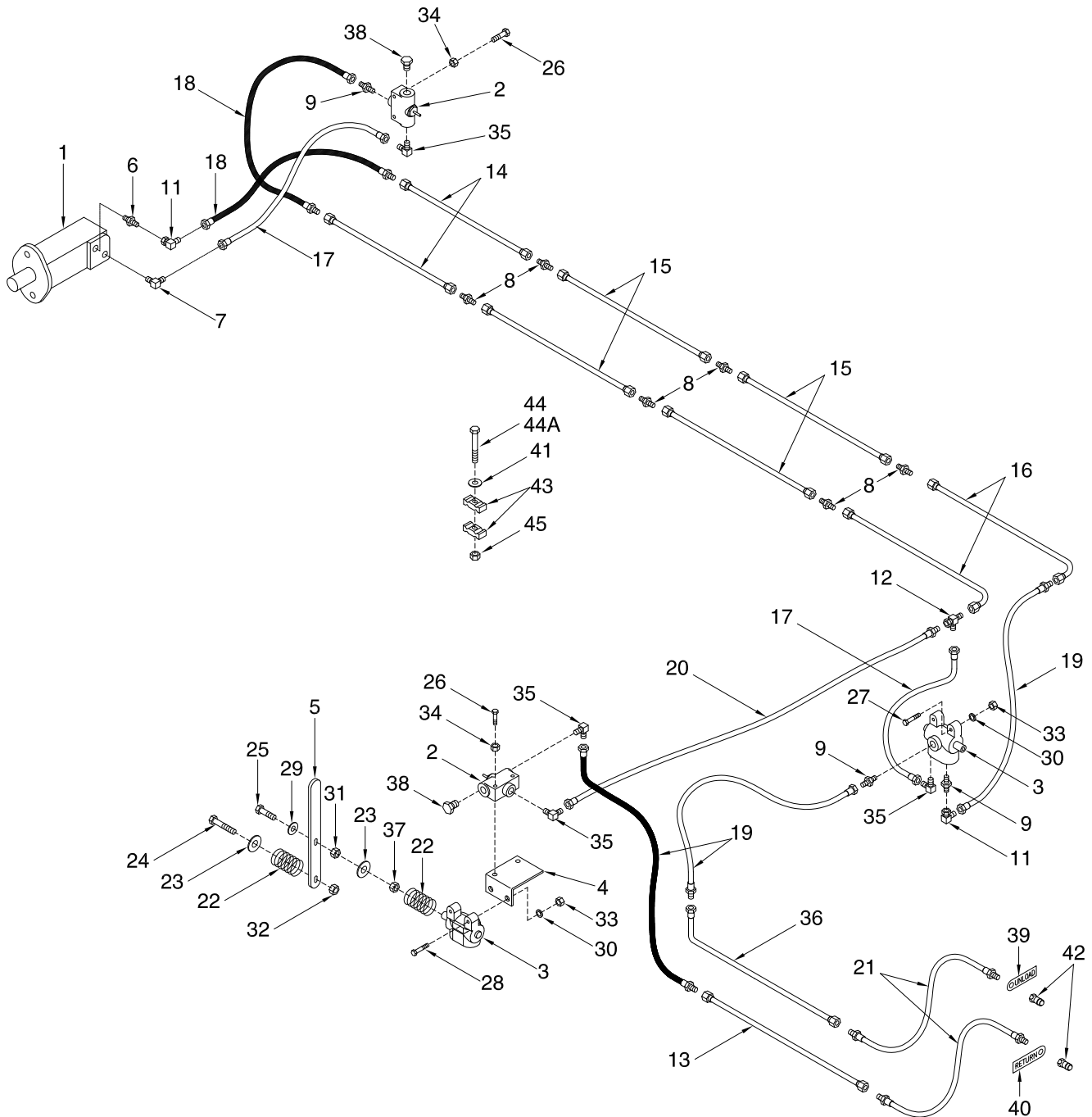




## Hydraulics - Push Bar Tilt - Prior to 2012

| Item | Part No. | Description                                                           | Qty |
|------|----------|-----------------------------------------------------------------------|-----|
| 1    | K24111   | Hydraulic Motor (Seal Kit #K29029) (Shaft K35694).....                | 1   |
| 2    | C28501   | Line Lock Valve .....                                                 | 2   |
| 3    | S-4730   | Selector Valve.....                                                   | 2   |
|      | N31601   | Seal Kit                                                              |     |
| 4    | K28102   | Mounting Bracket - Line Lock Valve .....                              | 1   |
| 5    | K24097   | Lever .....                                                           | 1   |
| 6    | N36489   | Connector - 7/8-14 MJIC x 7/8-14 MORB .....                           | 1   |
| 7    | C15318   | 90 Elbow - 7/8-14 MJIC x 7/8-14 MORB .....                            | 1   |
| 8    | C-4469   | Male Connector - 7/8-14 MJIC .....                                    | 6   |
| 9    | C-4399   | Male Connector - 7/8-14 MJIC x 1/2 MNPT .....                         | 2   |
| 10   | C-4400   | 90 Elbow - 7/8-14 MJIC x 1/2 MNPT .....                               | 1   |
| 11   | K-5806   | 90 Swivel Elbow - 7/8-14 MJIC x 7/8-14 FJIC.....                      | 2   |
| 12   | H18746   | Swivel Tee - (2) 7/8-14 MJIC x (1) 7/8-14 FJIC .....                  | 1   |
| 13   | C-4364   | Oil Line - 5/8 x 53 Lg w/ 7/8-14 FJIC .....                           | 1   |
| 14   | C-4369   | Oil Line - 5/8 x 96 3/4 Lg w/ 7/8-14 FJIC .....                       | 2   |
| 15   | F-5426   | Oil Line - 5/8 x 112 Lg w/ 7/8-14 FJIC.....                           | 4   |
| 16   | F-4560   | Oil Line w/90 Bend - 5/8 x 99 Lg w/ 7/8-14 FJIC .....                 | 2   |
| 17   | C-4383   | Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC.....                             | 2   |
| 18   | C-4385   | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....              | 2   |
| 19   | C-4387   | Hyd Hose - 1/2 x 36 w/7/8-14 MJIC x 7/8-14 FJIC .....                 | 3   |
| 20   | C-4388   | Hyd Hose - 1/2 x 48 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....              | 1   |
| 21   | C-4390   | Hyd Hose - 1/2 x 96 Lg w/7/8-14 MJIC x 1/2 MNPT .....                 | 2   |
| 22   | K25655   | Spring - 1.345 ID x 2.012 Lg .....                                    | 2   |
| 23   | W14504   | Spring Retainer Washer - 1 1/2 OD.....                                | 2   |
| 24   | W-1854   | Hex Bolt - 3/8 x 3.....                                               | 1   |
| 25   | W-619    | Hex Bolt - 3/8 x 1 3/4.....                                           | 1   |
| 26   | J12217   | Hex Bolt - 5/16 x 2 1/4.....                                          | 4   |
| 27   | C-3035   | Hex Bolt - 5/16 x 1 3/4.....                                          | 2   |
| 28   | S-1303   | Hex Bolt - 5/16 x 2.....                                              | 2   |
| 29   | D-5489   | Flatwasher - 3/8 .....                                                | 1   |
| 30   | W-522    | Lockwasher - 5/16.....                                                | 4   |
| 31   | W-514    | Hex Nut - 3/8 .....                                                   | 1   |
| 32   | M-3388   | Locknut - 3/8 .....                                                   | 1   |
| 33   | W-513    | Hex Nut - 5/16 .....                                                  | 4   |
| 34   | D-5278   | Serrated Flange Locknut - 5/16.....                                   | 4   |
| 35   | C24585   | 90 Elbow - 7/8-14 MJIC x 3/4-16 MORB .....                            | 3   |
| 36   | F-4559   | Oil Line w/90 Bend - 5/8 x 50 Lg.....                                 | 1   |
| 37   | S-748    | Jam Nut - 3/8 .....                                                   | 1   |
| 38   | C28505   | Plug - 3/4-16 ORB.....                                                | 2   |
| 39   | K29978   | Tag - Hose ID - Push Bar - Unload.....                                | 1   |
| 40   | K29979   | Tag - Hose ID - Push Bar - Return .....                               | 1   |
| 41   | C14840   | Connector - 7/8-14 (#10) MJIC x 3/4-16 (#08) MORB.....                | 1   |
| 42   | C-817    | Pioneer Tips - 1/2 FNPT.....                                          | 2   |
| 43   | C-4698   | Oil Line Clamp (Repeated from Fork/Bed Tilt Hydraulics) .....         | 28  |
| 44   | W-1854   | Hex Bolt - 3/8 x 3 (Repeated from Fork/Bed Tilt Hydraulics) .....     | 2   |
| 44A  | W-479    | Hex Bolt - 3/8 x 2 1/4 (Repeated from Fork/Bed Tilt Hydraulics) ..... | 12  |
| 45   | M-3388   | Locknut - 3/8 (Repeated from Fork/Bed Tilt Hydraulics).....           | 14  |
| 46   | D-5489   | Flatwasher - 3/8 (Repeated from Fork/Bed Tilt Hydraulics).....        | 14  |

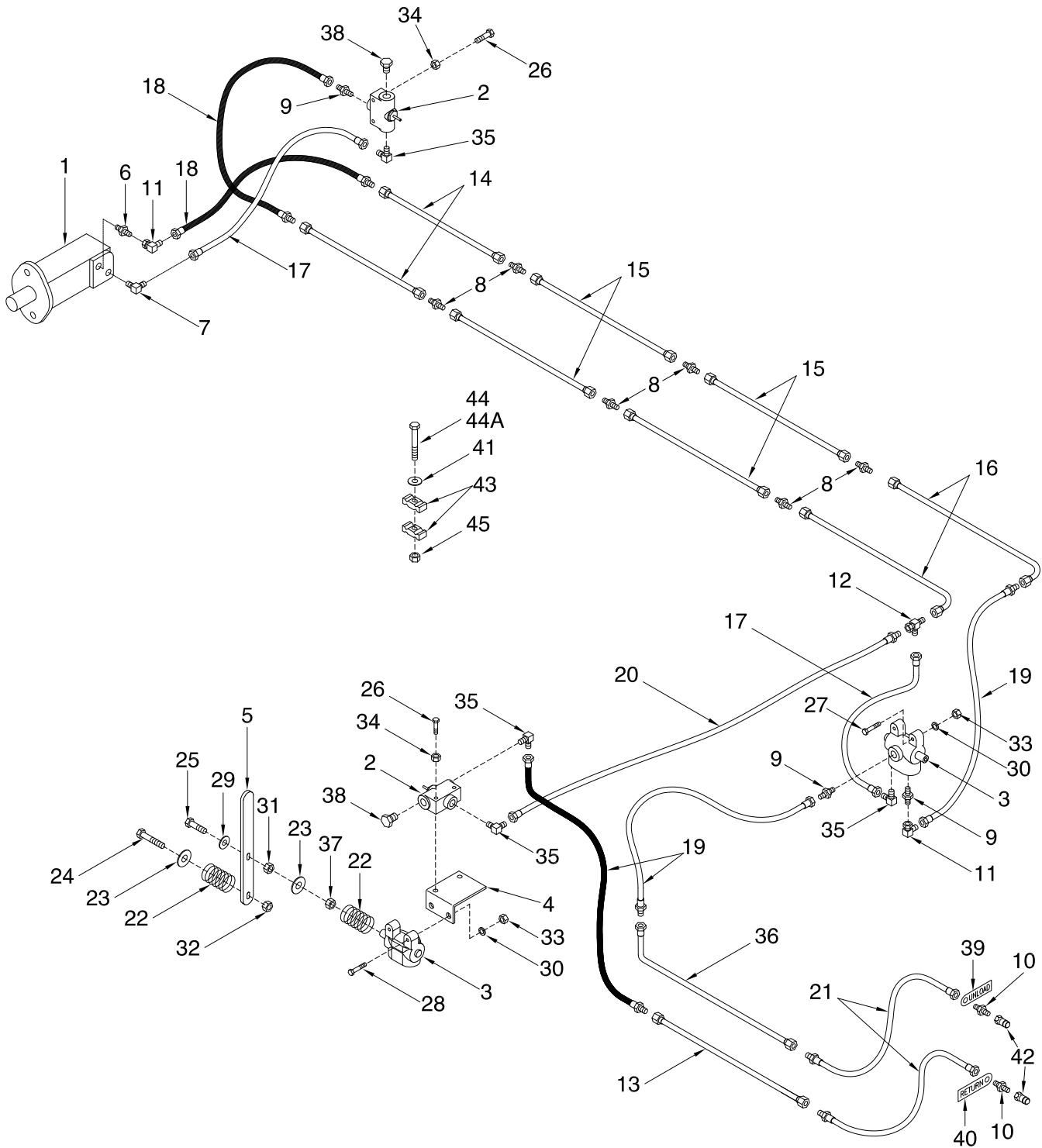
# Hydraulics Push Bar Tilt - 2012 to 2017



## Hydraulics - Push Bar Tilt - 2012 to 2017

| Item | Part No. | Description                                                           | Qty |
|------|----------|-----------------------------------------------------------------------|-----|
| 1    | K24111   | Hydraulic Motor .....                                                 | 1   |
| 2    | C28501   | Line Lock Valve .....                                                 | 2   |
| 3    | K50180   | Selector Valve.....                                                   | 2   |
| 4    | K28102   | Mounting Bracket - Line Lock Valve .....                              | 1   |
| 5    | K24097   | Lever .....                                                           | 1   |
| 6    | N36489   | Connector - 7/8 - 14 MORB x 7/8 - 14 MJIC .....                       | 1   |
| 7    | C15318   | 90 Elbow - 7/8-14 MJIC x 7/8-14 ORB .....                             | 1   |
| 8    | C-4469   | Male Connector - 7/8-14 MJIC .....                                    | 6   |
| 9    | C14840   | Connector - 7/8-14 MJIC x 3/4-16 MORB .....                           | 2   |
| 10   | *****    |                                                                       |     |
| 11   | K-5806   | 90 Swivel Elbow - 7/8-14 MJIC x 7/8-14 FJIC.....                      | 2   |
| 12   | H18746   | Swivel Tee - (2) 7/8-14 MJIC x (1) 7/8-14 FJIC .....                  | 1   |
| 13   | C-4364   | Oil Line - 5/8 x 53 Lg.....                                           | 1   |
| 14   | C-4369   | Oil Line - 5/8 x 96 3/4 Lg.....                                       | 2   |
| 15   | F-5426   | Oil Line - 5/8 x 112 Lg .....                                         | 4   |
| 16   | F-4560   | Oil Line w/90 Bend - 5/8 x 99 Lg.....                                 | 2   |
| 17   | C-4383   | Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC.....                             | 2   |
| 18   | C-4385   | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....              | 2   |
| 19   | C-4387   | Hyd Hose - 1/2 x 36 w/7/8-14 MJIC x 7/8-14 FJIC .....                 | 3   |
| 20   | C-4388   | Hyd Hose - 1/2 x 48 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....              | 1   |
| 21   | C-4390   | Hyd Hose - 1/2 x 96 Lg w/7/8-14 MJIC x 1/2 MNPT .....                 | 2   |
| 22   | K25655   | Spring - 1.345 ID x 2.012 Lg.....                                     | 2   |
| 23   | W14504   | Spring Retainer Washer - 1 1/2 OD.....                                | 2   |
| 24   | W-1854   | Hex Bolt - 3/8 x 3.....                                               | 1   |
| 25   | W-619    | Hex Bolt - 3/8 x 1 3/4.....                                           | 1   |
| 26   | J12217   | Hex Bolt - 5/16 x 2 1/4.....                                          | 4   |
| 27   | C-3035   | Hex Bolt - 5/16 x 1 3/4.....                                          | 2   |
| 28   | S-1303   | Hex Bolt - 5/16 x 2.....                                              | 2   |
| 29   | D-5489   | Flatwasher - 3/8 .....                                                | 1   |
| 30   | W-522    | Lockwasher - 5/16.....                                                | 4   |
| 31   | W-514    | Hex Nut - 3/8 .....                                                   | 1   |
| 32   | M-3388   | Locknut - 3/8 .....                                                   | 1   |
| 33   | W-513    | Hex Nut - 5/16 .....                                                  | 4   |
| 34   | D-5278   | Serrated Flange Locknut - 5/16.....                                   | 4   |
| 35   | C24585   | 90 Elbow - 7/8-14 MJIC x 9/16-18 MORB .....                           | 4   |
| 36   | F-4559   | Oil Line w/90 Bend - 5/8 x 50 Lg.....                                 | 1   |
| 37   | S-748    | Jam Nut - 3/8 .....                                                   | 1   |
| 38   | C28505   | Plug - 3/4-16 ORB.....                                                | 2   |
| 39   | K29978   | Tag - Hose ID - Push Bar - Unload.....                                | 1   |
| 40   | K29979   | Tag - Hose ID - Push Bar - Return .....                               | 1   |
| 41   | D-5489   | Flatwasher - 3/8 (Repeated from Fork/Bed Tilt Hydraulics).....        | 14  |
| 42   | C-817    | Pioneer Tips - 1/2 FNPT.....                                          | 2   |
| 43   | C-4698   | Oil Line Clamp (Repeated from Fork/Bed Tilt Hydraulics) .....         | 28  |
| 44   | W-1854   | Hex Bolt - 3/8 x 3 (Repeated from Fork/Bed Tilt Hydraulics) .....     | 2   |
| 44A  | W-479    | Hex Bolt - 3/8 x 2 1/4 (Repeated from Fork/Bed Tilt Hydraulics) ..... | 12  |
| 45   | M-3388   | Locknut - 3/8 (Repeated from Fork/Bed Tilt Hydraulics).....           | 14  |

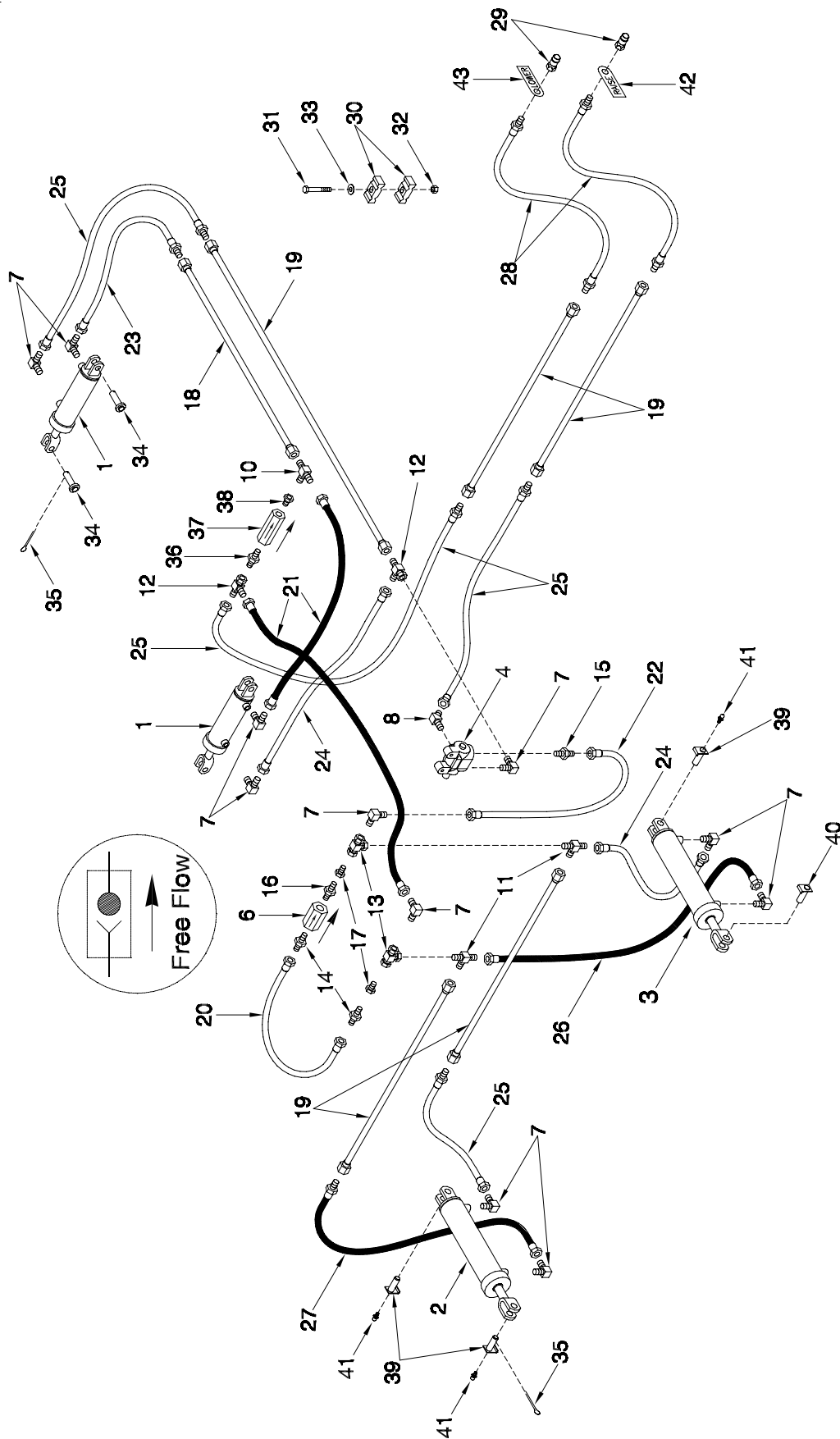
# Hydraulics Push Bar Tilt - 2018 to present



## Hydraulics - Push Bar Tilt - 2018 to present

| Item | Part No. | Description                                                           | Qty |
|------|----------|-----------------------------------------------------------------------|-----|
| 1    | K24111   | Hydraulic Motor .....                                                 | 1   |
| 2    | C28501   | Line Lock Valve .....                                                 | 2   |
| 3    | K50180   | Selector Valve.....                                                   | 2   |
| 4    | K28102   | Mounting Bracket - Line Lock Valve .....                              | 1   |
| 5    | K24097   | Lever .....                                                           | 1   |
| 6    | N36489   | Connector - 7/8 - 14 MORB x 7/8 - 14 MJIC .....                       | 1   |
| 7    | C15318   | 90 Elbow - 7/8-14 MJIC x 7/8-14 ORB .....                             | 1   |
| 8    | C-4469   | Male Connector - 7/8-14 MJIC .....                                    | 6   |
| 9    | C14840   | Connector - 7/8-14 MJIC x 3/4-16 MORB .....                           | 2   |
| 10   | N34505   | Connector - 7/8-14 (#10) MJIC x 7/8-14 (#10) MORB.....                | 2   |
| 11   | K-5806   | 90 Swivel Elbow - 7/8-14 MJIC x 7/8-14 FJIC.....                      | 2   |
| 12   | H18746   | Swivel Tee - (2) 7/8-14 MJIC x (1) 7/8-14 FJIC .....                  | 1   |
| 13   | C-4364   | Oil Line - 5/8 x 53 Lg.....                                           | 1   |
| 14   | C-4369   | Oil Line - 5/8 x 96 3/4 Lg.....                                       | 2   |
| 15   | F-5426   | Oil Line - 5/8 x 112 Lg .....                                         | 4   |
| 16   | F-4560   | Oil Line w/90 Bend - 5/8 x 99 Lg.....                                 | 2   |
| 17   | C-4383   | Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC.....                             | 2   |
| 18   | C-4385   | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....              | 2   |
| 19   | C-4387   | Hyd Hose - 1/2 x 36 w/7/8-14 MJIC x 7/8-14 FJIC .....                 | 3   |
| 20   | C-4388   | Hyd Hose - 1/2 x 48 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....              | 1   |
| 21   | F-5679   | Hyd Hose - 1/2 x 96 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....              | 2   |
| 22   | K25655   | Spring - 1.345 ID x 2.012 Lg.....                                     | 2   |
| 23   | W14504   | Spring Retainer Washer - 1 1/2 OD.....                                | 2   |
| 24   | W-1854   | Hex Bolt - 3/8 x 3.....                                               | 1   |
| 25   | W-619    | Hex Bolt - 3/8 x 1 3/4.....                                           | 1   |
| 26   | J12217   | Hex Bolt - 5/16 x 2 1/4.....                                          | 4   |
| 27   | C-3035   | Hex Bolt - 5/16 x 1 3/4.....                                          | 2   |
| 28   | S-1303   | Hex Bolt - 5/16 x 2.....                                              | 2   |
| 29   | D-5489   | Flatwasher - 3/8 .....                                                | 1   |
| 30   | W-522    | Lockwasher - 5/16.....                                                | 4   |
| 31   | W-514    | Hex Nut - 3/8 .....                                                   | 1   |
| 32   | M-3388   | Locknut - 3/8 .....                                                   | 1   |
| 33   | W-513    | Hex Nut - 5/16 .....                                                  | 4   |
| 34   | D-5278   | Serrated Flange Locknut - 5/16.....                                   | 4   |
| 35   | C24585   | 90 Elbow - 7/8-14 MJIC x 9/16-18 MORB .....                           | 4   |
| 36   | F-4559   | Oil Line w/90 Bend - 5/8 x 50 Lg.....                                 | 1   |
| 37   | S-748    | Jam Nut - 3/8 .....                                                   | 1   |
| 38   | C28505   | Plug - 3/4-16 ORB.....                                                | 2   |
| 39   | K29978   | Tag - Hose ID - Push Bar - Unload.....                                | 1   |
| 40   | K29979   | Tag - Hose ID - Push Bar - Return .....                               | 1   |
| 41   | D-5489   | Flatwasher - 3/8 (Repeated from Fork/Bed Tilt Hydraulics).....        | 14  |
| 42   | N34498   | Male Pioneer Tip - 7/8-14 FORB.....                                   | 2   |
| 43   | C-4698   | Oil Line Clamp (Repeated from Fork/Bed Tilt Hydraulics) .....         | 28  |
| 44   | W-1854   | Hex Bolt - 3/8 x 3 (Repeated from Fork/Bed Tilt Hydraulics) .....     | 2   |
| 44A  | W-479    | Hex Bolt - 3/8 x 2 1/4 (Repeated from Fork/Bed Tilt Hydraulics) ..... | 12  |
| 45   | M-3388   | Locknut - 3/8 (Repeated from Fork/Bed Tilt Hydraulics).....           | 14  |

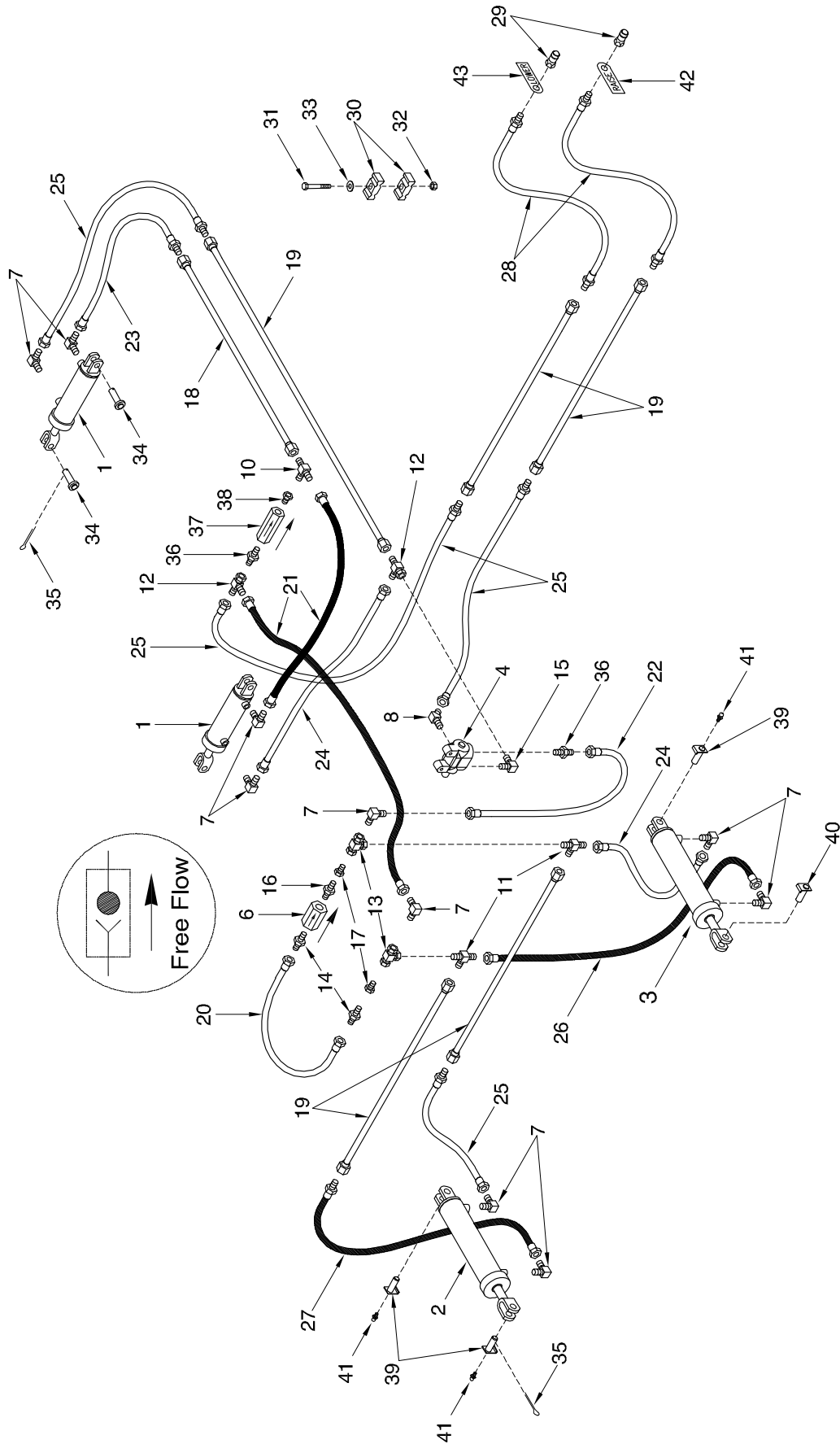
# Hydraulics Fork/Bed Tilt - Prior to 2012



## Hydraulics - Fork/Bed Tilt - Prior to 2012

| Item | Part No.      | Description                                                                | Qty |
|------|---------------|----------------------------------------------------------------------------|-----|
| 1    | C-2238        | Hyd Cylinder - 3 x 8 AG - (Changed to ORB Ports 2018) .....                | 2   |
| 2    | C-2034        | Hyd Cylinder - 3 1/2 x 12 BBP - (NPT Ports).....                           | 1   |
| 3    | C-2043        | Hyd Cylinder - 3 1/2 x 12 GBP - (NPT Ports) .....                          | 1   |
| 4    | S-4730        | Selector Valve.....                                                        | 1   |
|      | N31601        | Seal Kit                                                                   |     |
| 6    | H18263        | Check Valve (Replace with K60239) .....                                    | 1   |
|      | <b>K60240</b> | <b>Kit: Check Valve Upgrade 900/1400 (Includes K60239, C15348, S34116)</b> |     |
| 7    | C-4400        | 90 Elbow - 7/8-14 MJIC x 1/2 MNPT .....                                    | 11  |
| 8    | C-4402        | 45 Elbow - 7/8-14 MJIC x 1/2 MNPT .....                                    | 1   |
| 10   | C-4396        | Union Tee - (2) 7/8-14 MJIC x (1) 1/2 MNPT .....                           | 1   |
| 11   | H-4406        | Tee - (2) 7/8-14 MJIC x 1/2 MNPT .....                                     | 2   |
| 12   | H18746        | Swivel Tee - (2) 7/8-14 MJIC x (1) 7/8-14 FJIC .....                       | 2   |
| 13   | C-3017        | Swivel Tee - (3) 1/2 FNPT.....                                             | 2   |
| 14   | C-4405        | Male Connector - 9/16-18 MJIC x 3/8 MNPT .....                             | 2   |
| 15   | C-4399        | Male Connector - 7/8-14 MJIC x 1/2 MNPT .....                              | 1   |
| 16   | C-724         | Nipple - 3/8 MNPT .....                                                    | 1   |
| 17   | C-719         | Reducer - 1/2 MNPT x 3/8 FNPT .....                                        | 2   |
| 18   | C-4363        | Oil Line - 5/8 x 38 Lg w/ 7/8-14 FJIC .....                                | 1   |
| 19   | C-4364        | Oil Line - 5/8 x 53 Lg w/ 7/8-14 FJIC .....                                | 5   |
| 20   | C-4467        | Hyd Hose - 1/4 x 16 LG w/9/16-18 FJIC .....                                | 1   |
| 21   | C-4383        | Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC.....                                  | 2   |
| 22   | C-4468        | Hyd Hose - 1/2 x 24 Lg w/7/8-14 FJIC.....                                  | 1   |
| 23   | C-4385        | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....                   | 3   |
| 24   | C-4404        | Hyd Hose - 1/2 x 36 Lg w/7/8-14 FJIC.....                                  | 2   |
| 25   | C-4387        | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....                   | 4   |
| 26   | K-5685        | Hyd Hose - 1/2 x 48 Lg w/7/8-14 FJIC.....                                  | 1   |
| 27   | C-4388        | Hyd Hose - 1/2 x 48 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....                   | 1   |
| 28   | C-4390        | Hyd Hose - 1/2 x 96 Lg w/7/8-14 MJIC x 1/2 MNPT .....                      | 2   |
| 29   | C-817         | Pioneer Tips - 1/2 FNPT.....                                               | 2   |
| 30   | C-4698        | Oil Line Clamp .....                                                       | 28  |
| 31   | W-1854        | Hex Bolt - 3/8 x 3.....                                                    | 2   |
| 31A  | W-479         | Hex Bolt - 3/8 x 2 1/4.....                                                | 12  |
| 32   | M-3388        | Locknut - 3/8 .....                                                        | 14  |
| 33   | D-5489        | Flatwasher - 3/8 .....                                                     | 14  |
| 34   | C-1429        | Pin - 1 x 3 3/8 UL .....                                                   | 4   |
| 35   | W-535         | Cotter Pin - 1/4 x 1 1/2 .....                                             | 8   |
| 36   | C14840        | Connector - 7/8-14 (#10) MJIC x 3/4-16 (#08) MORB.....                     | 1   |
| 37   | C15975        | Flow Restrictor Valve (FRF-08-093) .....                                   | 1   |
| 38   | C16457        | Adaptor - 3/4-16 ORB .....                                                 | 1   |
| 39   | K24904        | Greasable Pin - 1 x 2 1/4 UL.....                                          | 3   |
| 40   | K24578        | Pin - 1 x 2 1/4 UL .....                                                   | 1   |
| 41   | S-752         | Grease Zerk - 1/4 Straight.....                                            | 3   |
| 42   | K29976        | Tag - Hose ID - Fork/Bed - Raise .....                                     | 1   |
| 43   | K29977        | Tag - Hose ID - Fork/Bed - Lower.....                                      | 1   |

# Hydraulics Fork/Bed Tilt - 2012 to 2015

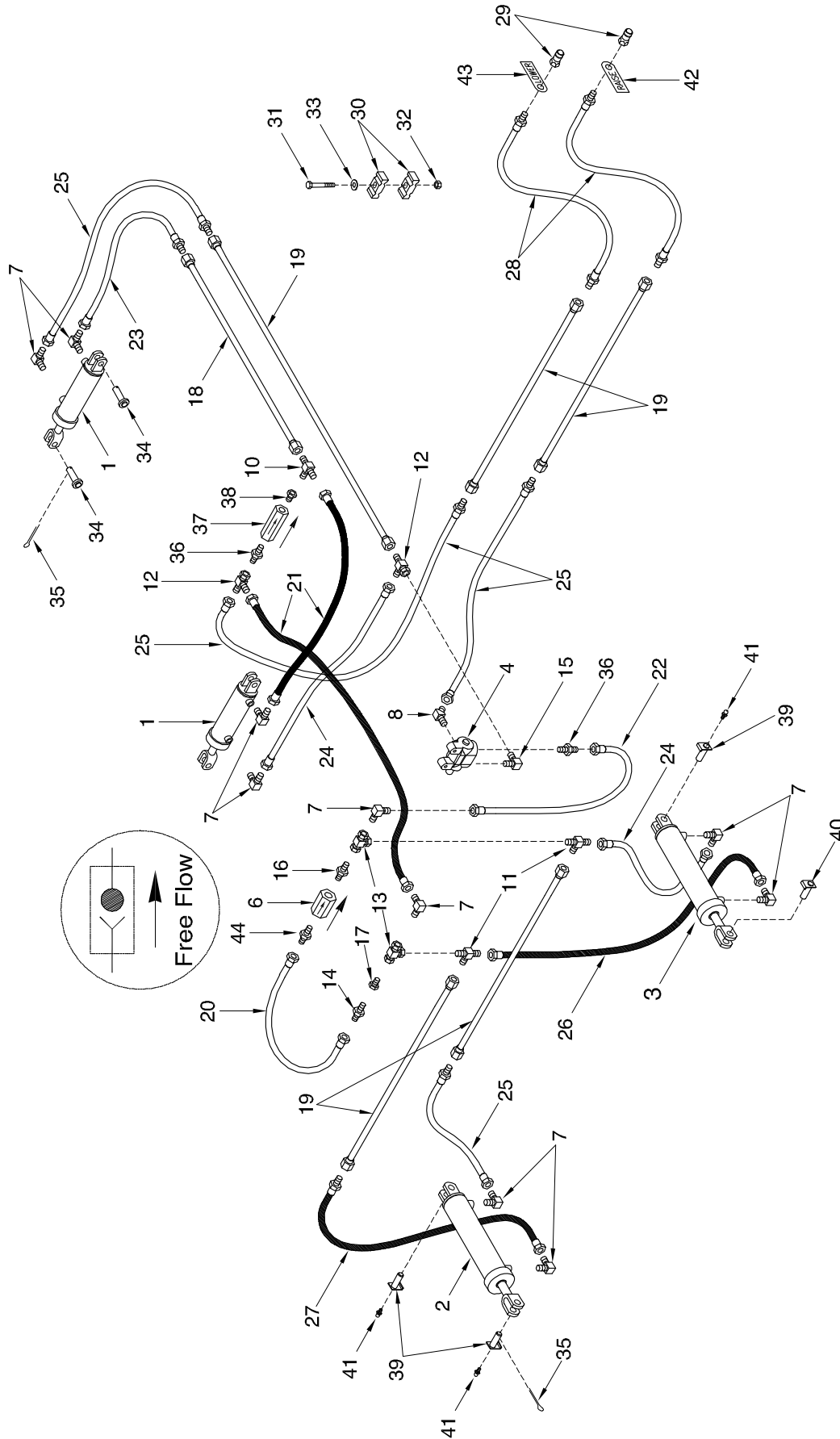




## Hydraulics - Fork/Bed Tilt - 2012 to 2015

| Item | Part No.      | Description                                                                | Qty |
|------|---------------|----------------------------------------------------------------------------|-----|
| 1    | C-2238        | Hyd Cylinder - 3 x 8 AG - (Changed to ORB Ports 2018) .....                | 2   |
| 2    | C-2034        | Hyd Cylinder - 3 1/2 x 12 BBP - (NPT Ports).....                           | 1   |
| 3    | C-2043        | Hyd Cylinder - 3 1/2 x 12 GBP - (NPT Ports) .....                          | 1   |
| 4    | K50180        | Selector Valve.....                                                        | 1   |
| 6    | H18263        | Check Valve (Replace with K60239) .....                                    | 1   |
|      | <b>K60240</b> | <b>Kit: Check Valve Upgrade 900/1400 (Includes K60239, C15348, S34116)</b> |     |
| 7    | C-4400        | 90 Elbow - 7/8-14 MJIC x 1/2 MNPT .....                                    | 10  |
| 8    | C26333        | 45 Elbow - 7/8-14 MJIC x 3/4-16 MORB .....                                 | 1   |
| 10   | C-4396        | Tee - (2) 7/8-14 MJIC x (1) 1/2 MNPT .....                                 | 1   |
| 11   | H-4406        | Tee - (2) 7/8-14 MJIC x 1/2 MNPT .....                                     | 2   |
| 12   | H18746        | Tee - (2) 7/8-14 MJIC x (1) 7/8-14 FJIC Swivel .....                       | 2   |
| 13   | C-3017        | Tee - (1) 1/2 FNPT x (2) 1/2 FNPT Swivel.....                              | 2   |
| 14   | C-4405        | Connector - 9/16-18 MJIC x 3/8 MNPT .....                                  | 2   |
| 15   | C24585        | 90 Elbow - 7/8-14 MJIC x 3/4-16 MORB .....                                 | 1   |
| 16   | C-724         | Nipple - 3/8 MNPT .....                                                    | 1   |
| 17   | C-719         | Connector - 1/2 MNPT x 3/8 FNPT .....                                      | 2   |
| 18   | C-4363        | Oil Line - 5/8 x 38 Lg w/ 7/8-14 FJIC .....                                | 1   |
| 19   | C-4364        | Oil Line - 5/8 x 53 Lg w/ 7/8-14 FJIC .....                                | 5   |
| 20   | C-4467        | Hyd Hose - 1/4 x 16 Lg w/9/16-18 FJIC .....                                | 1   |
| 21   | C-4383        | Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC.....                                  | 2   |
| 22   | C-4468        | Hyd Hose - 1/2 x 24 Lg w/7/8-14 FJIC.....                                  | 1   |
| 23   | C-4385        | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....                   | 3   |
| 24   | C-4404        | Hyd Hose - 1/2 x 36 Lg w/7/8-14 FJIC.....                                  | 2   |
| 25   | C-4387        | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....                   | 4   |
| 26   | K-5685        | Hyd Hose - 1/2 x 48 Lg w/7/8-14 FJIC.....                                  | 1   |
| 27   | C-4388        | Hyd Hose - 1/2 x 48 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....                   | 1   |
| 28   | C-4390        | Hyd Hose - 1/2 x 96 Lg w/7/8-14 MJIC x 1/2 MNPT .....                      | 2   |
| 29   | C-817         | Pioneer Tips - 1/2 FNPT.....                                               | 2   |
| 30   | C-4698        | Oil Line Clamp .....                                                       | 28  |
| 31   | W-1854        | Hex Bolt - 3/8 x 3.....                                                    | 2   |
| 31A  | W-479         | Hex Bolt - 3/8 x 2 1/4.....                                                | 12  |
| 32   | M-3388        | Locknut - 3/8 .....                                                        | 14  |
| 33   | D-5489        | Flatwasher - 3/8 .....                                                     | 14  |
| 34   | C-1429        | Pin - 1 x 3 3/8 UL .....                                                   | 4   |
| 35   | W-535         | Cotter Pin - 1/4 x 1 1/2 .....                                             | 8   |
| 36   | C14840        | Connector - 7/8-14 MJIC x 3/4-16 MORB .....                                | 2   |
| 37   | C15975        | Flow Restrictor Valve (FRF-08-093) .....                                   | 1   |
| 38   | C16457        | Adaptor - 3/4-16 MORB .....                                                | 1   |
| 39   | K24904        | Greasable Pin - 1 x 2 1/4 UL.....                                          | 3   |
| 40   | K24578        | Pin - 1 x 2 1/4 UL .....                                                   | 1   |
| 41   | S-752         | Grease Zerk - 1/4 Straight.....                                            | 3   |
| 42   | K29976        | Tag - Hose ID - Fork/Bed - Raise .....                                     | 1   |
| 43   | K29977        | Tag - Hose ID - Fork/Bed - Lower.....                                      | 1   |

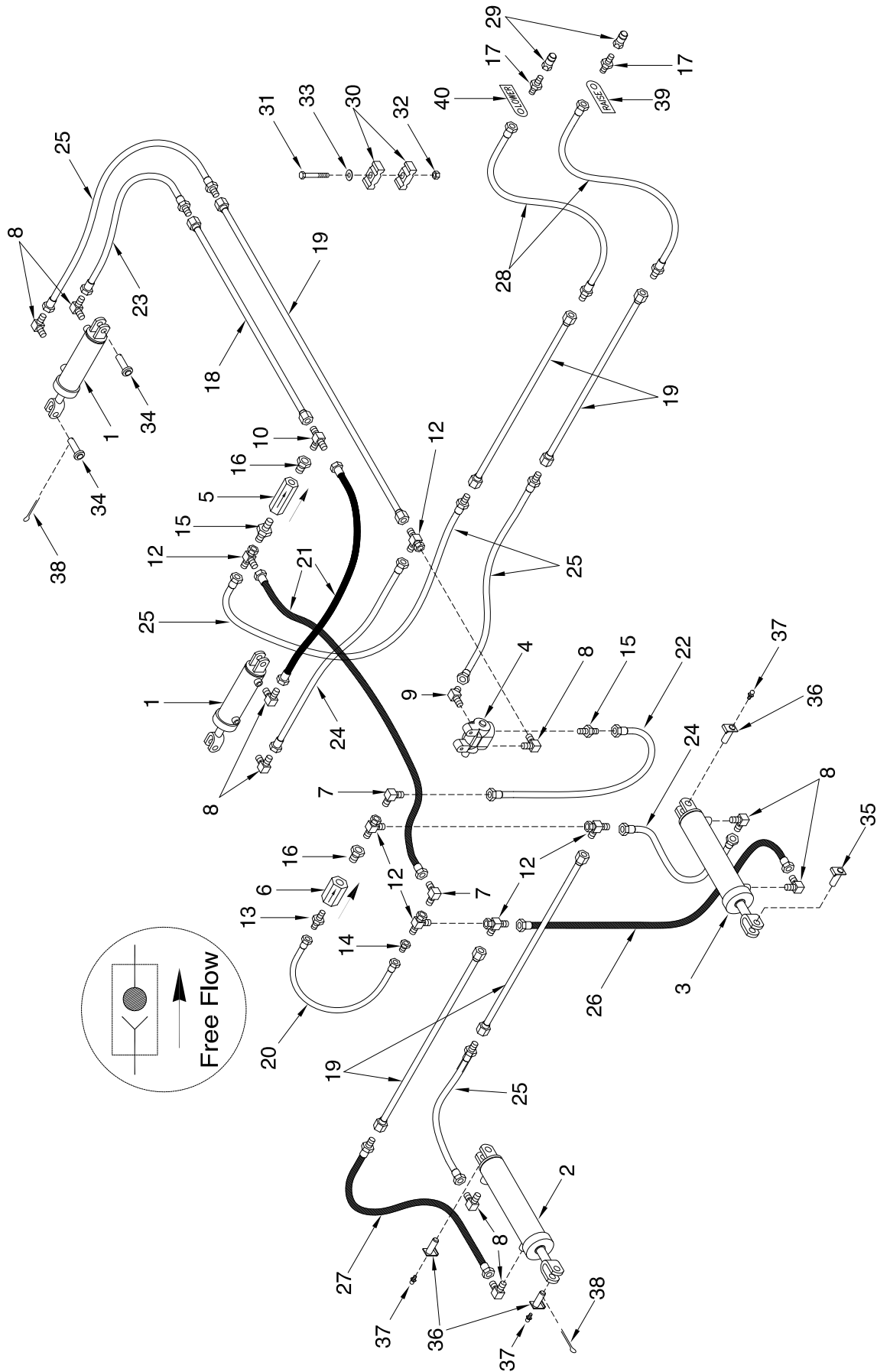
# Hydraulics Fork/Bed Tilt - 2016 to 2017



## Hydraulics - Fork/Bed Tilt - 2016 to 2017

| Item | Part No. | Description                                                 | Qty |
|------|----------|-------------------------------------------------------------|-----|
| 1    | C-2238   | Hyd Cylinder - 3 x 8 AG - (Changed to ORB Ports 2018) ..... | 2   |
| 2    | C-2034   | Hyd Cylinder - 3 1/2 x 12 BBP - (NPT Ports).....            | 1   |
| 3    | C-2043   | Hyd Cylinder - 3 1/2 x 12 GBP - (NPT Ports) .....           | 1   |
| 4    | K50180   | Selector Valve.....                                         | 1   |
| 6    | K60239   | Check Valve .....                                           | 1   |
| 7    | C-4400   | 90 Elbow - 7/8-14 MJIC x 1/2 MNPT .....                     | 10  |
| 8    | C26333   | 45 Elbow - 7/8-14 MJIC x 3/4-16 MORB .....                  | 1   |
| 10   | C-4396   | Tee - (2) 7/8-14 MJIC x (1) 1/2 MNPT .....                  | 1   |
| 11   | H-4406   | Tee - (2) 7/8-14 MJIC x 1/2 MNPT .....                      | 2   |
| 12   | H18746   | Tee - (2) 7/8-14 MJIC x (1) 7/8-14 FJIC Swivel .....        | 2   |
| 13   | C-3017   | Tee - (1) 1/2 FNPT x (2) 1/2 FNPT Swivel.....               | 2   |
| 14   | C-4405   | Connector - 9/16-18 MJIC x 3/8 MNPT .....                   | 1   |
| 15   | C24585   | 90 Elbow - 7/8-14 MJIC x 3/4-16 MORB .....                  | 1   |
| 16   | S34116   | Connector - 1/2 MNPT x 3/4-16 MORB .....                    | 1   |
| 17   | C-719    | Connector - 1/2 MNPT x 3/8 FNPT .....                       | 1   |
| 18   | C-4363   | Oil Line - 5/8 x 38 Lg w/ 7/8-14 FJIC .....                 | 1   |
| 19   | C-4364   | Oil Line - 5/8 x 53 Lg w/ 7/8-14 FJIC .....                 | 5   |
| 20   | C-4467   | Hyd Hose - 1/4 x 16 Lg w/9/16-18 FJIC .....                 | 1   |
| 21   | C-4383   | Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC.....                   | 2   |
| 22   | C-4468   | Hyd Hose - 1/2 x 24 Lg w/7/8-14 FJIC.....                   | 1   |
| 23   | C-4385   | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....    | 3   |
| 24   | C-4404   | Hyd Hose - 1/2 x 36 Lg w/7/8-14 FJIC.....                   | 2   |
| 25   | C-4387   | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....    | 4   |
| 26   | K-5685   | Hyd Hose - 1/2 x 48 Lg w/7/8-14 FJIC.....                   | 1   |
| 27   | C-4388   | Hyd Hose - 1/2 x 48 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....    | 1   |
| 28   | C-4390   | Hyd Hose - 1/2 x 96 Lg w/7/8-14 MJIC x 1/2 MNPT .....       | 2   |
| 29   | C-817    | Pioneer Tips - 1/2 FNPT.....                                | 2   |
| 30   | C-4698   | Oil Line Clamp .....                                        | 28  |
| 31   | W-1854   | Hex Bolt - 3/8 x 3.....                                     | 2   |
| 31A  | W-479    | Hex Bolt - 3/8 x 2 1/4.....                                 | 12  |
| 32   | M-3388   | Locknut - 3/8 .....                                         | 14  |
| 33   | D-5489   | Flatwasher - 3/8 .....                                      | 14  |
| 34   | C-1429   | Pin - 1 x 3 3/8 UL .....                                    | 4   |
| 35   | W-535    | Cotter Pin - 1/4 x 1 1/2 .....                              | 8   |
| 36   | C14840   | Connector - 7/8-14 MJIC x 3/4-16 MORB .....                 | 2   |
| 37   | C15975   | Flow Restrictor Valve (FRF-08-093) .....                    | 1   |
| 38   | C16457   | Adaptor - 3/4-16 MORB .....                                 | 1   |
| 39   | K24904   | Greasable Pin - 1 x 2 1/4 UL.....                           | 3   |
| 40   | K24578   | Pin - 1 x 2 1/4 UL .....                                    | 1   |
| 41   | S-752    | Grease Zerk - 1/4 Straight.....                             | 3   |
| 42   | K29976   | Tag - Hose ID - Fork/Bed - Raise .....                      | 1   |
| 43   | K29977   | Tag - Hose ID - Fork/Bed - Lower.....                       | 1   |
| 44   | C15348   | Connector - 9/16-18 MJIC x 3/4-16 MORB .....                | 1   |

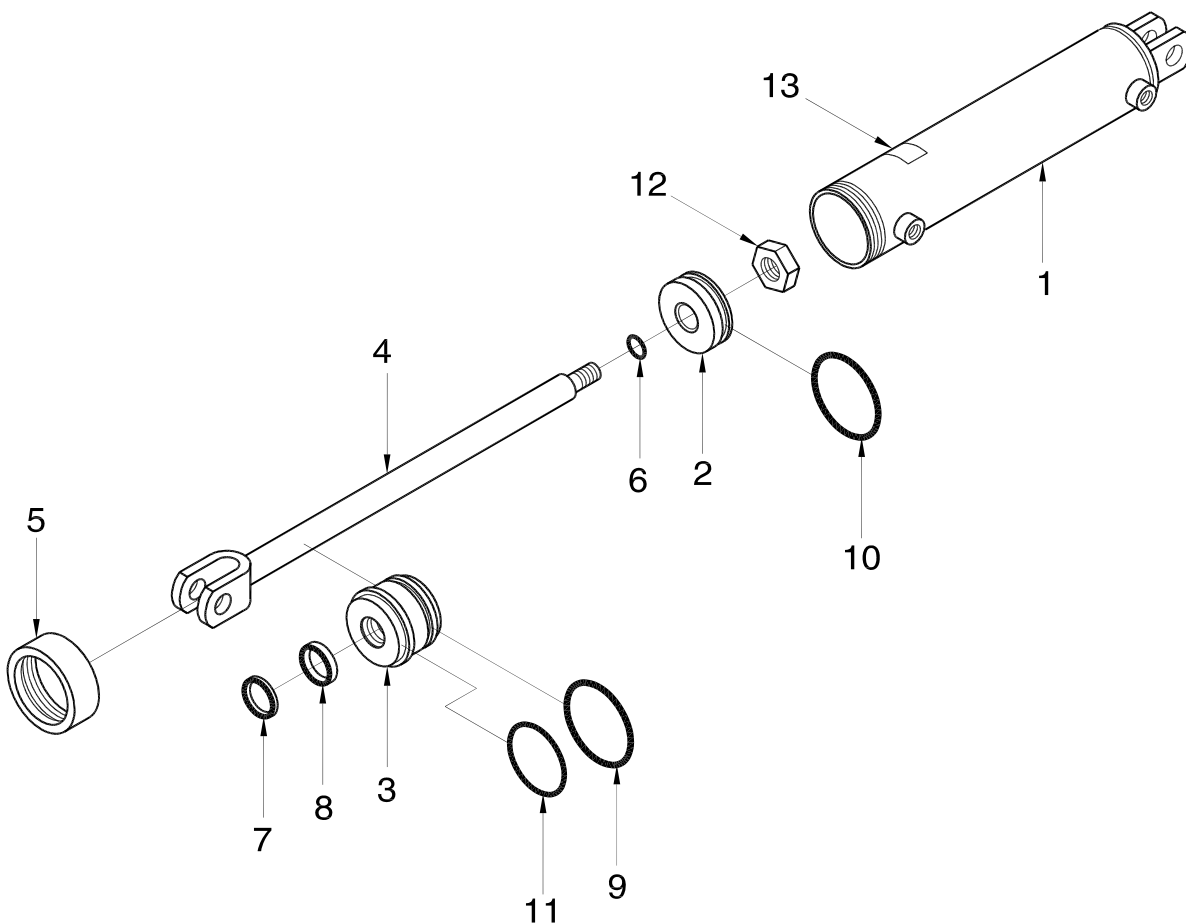
# Hydraulics Fork/Bed Tilt - 2018 to Present



## Hydraulics - Fork/Bed Tilt - 2018 to Present

| Item | Part No. | Description                                                     | Qty |
|------|----------|-----------------------------------------------------------------|-----|
| 1    | C-2238   | Hyd Cylinder - 3 x 8 AG (Changed to ORB Ports 2018) .....       | 2   |
| 2    | K65198   | Hyd Cylinder - 3 1/2 x 12 BBP - (ORB Ports) .....               | 1   |
| 3    | K65195   | Hyd Cylinder - 3 1/2 x 12 GBP - (ORB Ports).....                | 1   |
| 4    | K50180   | Selector Valve.....                                             | 1   |
| 5    | C15975   | Flow Restrictor Valve (FRF-08-093) .....                        | 1   |
| 6    | K60239   | Check Valve - 3/4-16 (#08) FORB.....                            | 1   |
| 7    | H24393   | 90 Elbow - 7/8-14 MJIC.....                                     | 2   |
| 8    | C24585   | 90 Elbow - 7/8-14 MJIC x 3/4-16 MORB .....                      | 9   |
| 9    | C26333   | 45 Elbow - 7/8-14 MJIC x 3/4-16 MORB .....                      | 1   |
| 10   | C-4394   | Tee - (3) 7/8-14 MJIC .....                                     | 1   |
| 12   | H18746   | Tee - (2) 7/8-14 MJIC x (1) 7/8-14 FJIC Swivel .....            | 6   |
| 13   | C15348   | Connector - 9/16-18 MJIC x 3/4-16 MORB .....                    | 1   |
| 14   | F10384   | Connector - 7/8-14 FJIC x 9/16-18 (#06) MJIC.....               | 1   |
| 15   | C14840   | Connector - 7/8-14 MJIC x 3/4-16 MORB .....                     | 2   |
| 16   | N49460   | Connector - Swivel - 7/8-14 (#10) FJIC x 3/4-16 (#08) MORB..... | 2   |
| 17   | N34505   | Connector - 7/8-14 (#10) MJIC x 7/8-14 (#10) MORB.....          | 2   |
| 18   | C-4363   | Oil Line - 5/8 x 38 Lg w/ 7/8-14 FJIC .....                     | 1   |
| 19   | C-4364   | Oil Line - 5/8 x 53 Lg w/ 7/8-14 FJIC .....                     | 5   |
| 20   | C-4467   | Hyd Hose - 1/4 x 16 Lg w/9/16-18 FJIC .....                     | 1   |
| 21   | C-4383   | Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC.....                       | 2   |
| 22   | C-4468   | Hyd Hose - 1/2 x 24 Lg w/7/8-14 FJIC.....                       | 1   |
| 23   | C-4385   | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....        | 3   |
| 24   | C-4404   | Hyd Hose - 1/2 x 36 Lg w/7/8-14 FJIC.....                       | 2   |
| 25   | C-4387   | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....        | 4   |
| 26   | K-5685   | Hyd Hose - 1/2 x 48 Lg w/7/8-14 FJIC.....                       | 1   |
| 27   | C-4388   | Hyd Hose - 1/2 x 48 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....        | 1   |
| 28   | F-5679   | Hyd Hose - 1/2 x 96 Lg w/7/8-14 MJIC x 7/8-14 FJIC .....        | 2   |
| 29   | N34498   | Male Pioneer Tip - 7/8-14 FORB.....                             | 2   |
| 30   | C-4698   | Oil Line Clamp .....                                            | 28  |
| 31   | W-1854   | Hex Bolt - 3/8 x 3 Lg.....                                      | 2   |
| 31A  | W-479    | Hex Bolt - 3/8 x 2 1/4 Lg.....                                  | 12  |
| 32   | M-3388   | Locknut - 3/8 .....                                             | 14  |
| 33   | D-5489   | Flatwasher - 3/8 .....                                          | 14  |
| 34   | C-1429   | Pin - 1 x 3 3/8 UL .....                                        | 4   |
| 35   | K24578   | Pin - 1 x 2 1/4 UL .....                                        | 1   |
| 36   | K24904   | Greasable Pin - 1 x 2 1/4 UL.....                               | 3   |
| 37   | S-752    | Grease Zerk - 1/4 Straight.....                                 | 3   |
| 38   | W-535    | Cotter Pin - 1/4 x 1 1/2 Lg .....                               | 8   |
| 39   | K29976   | Tag - Hose ID - Fork/Bed - Raise .....                          | 1   |
| 40   | K29977   | Tag - Hose ID - Fork/Bed - Lower.....                           | 1   |

## Hydraulics Cylinders

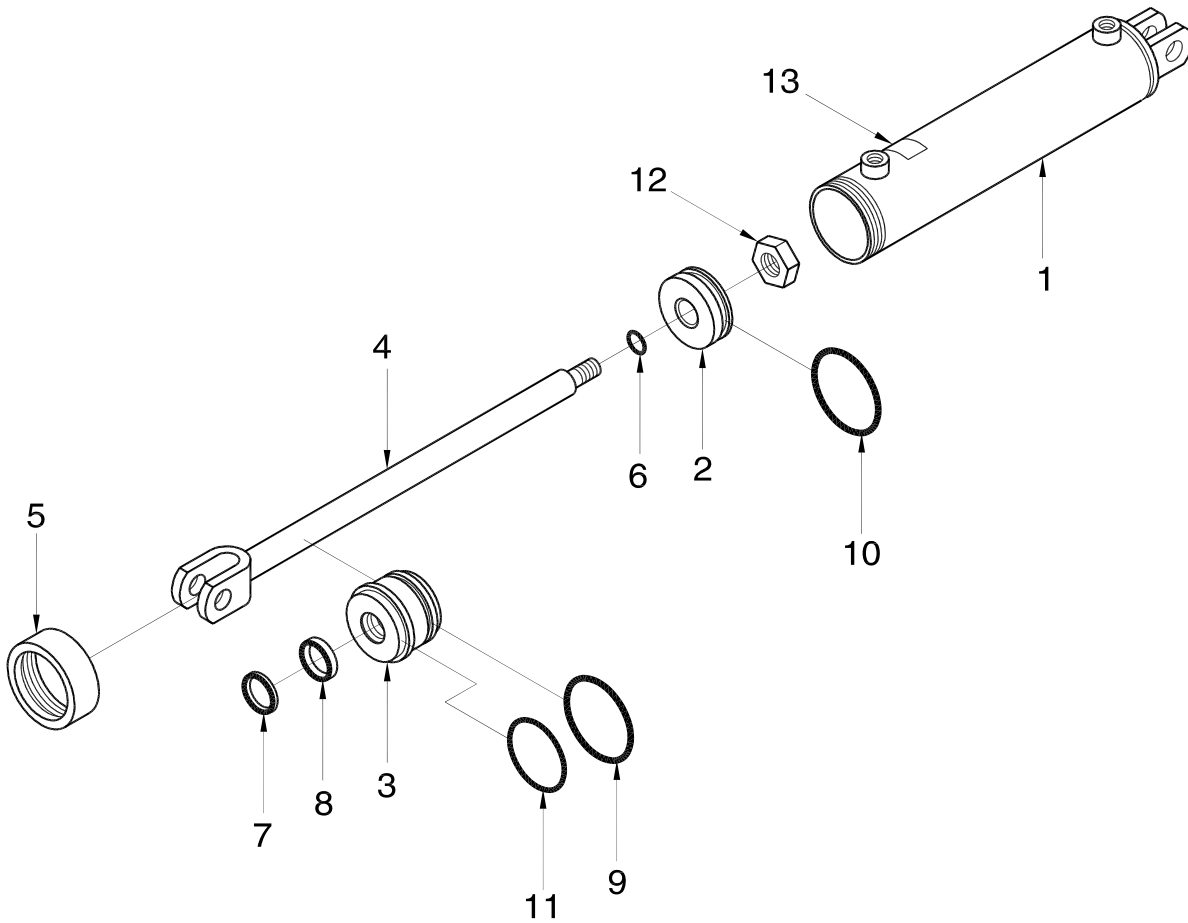


| Item | Part No. | Description                                                              | Qty |
|------|----------|--------------------------------------------------------------------------|-----|
|      |          | <b>C-2238 - 3 x 8 - AG CYLINDER</b> (Changed to ORB Ports 2018)          |     |
| 1    | C-2013   | Barrel - ORB Ports (Changed to ORB Ports 2018).....                      | 1   |
| 2    | C-2014   | Piston .....                                                             | 1   |
| 3    | C-2010   | Gland .....                                                              | 1   |
| 4    | C-2239   | Shaft - 1 1/4 x 17 7/8 Lg.....                                           | 1   |
| 5    | C-2009   | Collar.....                                                              | 1   |
| 6    | C-2187   | 1 OD x 1/16 C/S 90D BUNA O-Ring .....                                    | 1   |
| 7    | C-2007   | 1 1/4 ID x 3/16 C/S 90D URTN Wiper .....                                 | 1   |
| 8    | C-2008   | 1 1/4 ID x 5/16 90D URTN U-Cup.....                                      | 1   |
| 9    | C-2012   | 3 OD x 3/16 C/S 90D BUNA O-Ring .....                                    | 1   |
| 10   | C-2015   | 3 OD x 3/16 C/S 90D URTN O-Ring .....                                    | 1   |
| 11   | C-2214   | 3 OD x 1/16 C/S 70D BUNA O-Ring .....                                    | 1   |
| 12   | C-2017   | Shaft Nut - 7/8.....                                                     | 1   |
| 13   | C-2240   | Part No Plate.....                                                       | 1   |
|      | C-2238   | Cylinder Assembly (Includes All Above Items) (Changed to ORB Ports 2018) |     |
|      | C-2002   | Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11)                           |     |

## Hydraulics - Cylinders

| Item                                                           | Part No. | Description                                                         | Qty |
|----------------------------------------------------------------|----------|---------------------------------------------------------------------|-----|
| <b>C-2034 - 3 1/2 x 12 - Butt-By-Pass Cylinder (NPT Ports)</b> |          |                                                                     |     |
| 1                                                              | C-2038   | Barrel - 3 1/2 x 12 Butt Bypass - NPT Ports .....                   | 1   |
| 2                                                              | C-2039   | Piston - 3 1/2 Dia - 7/8 Shaft .....                                | 1   |
| 3                                                              | C-2037   | Gland - 3 1/2 Dia - 1 1/4 Shaft .....                               | 1   |
| 4                                                              | C-2027   | Shaft - 1 1/4 Dia x 19 7/8 .....                                    | 1   |
| 5                                                              | C-2028   | Collar - 3 1/2 .....                                                | 1   |
| 6                                                              | C-2187   | 1 OD x 1/16 C/S 90D BUNA O-Ring .....                               | 1   |
| 7                                                              | C-2007   | 1 1/4 ID x 3/16 C/S 90D URTN Wiper .....                            | 1   |
| 8                                                              | C-2008   | 1 1/4 ID x 5/16 90D URTN U-Cup .....                                | 1   |
| 9                                                              | C-2029   | 3 1/2 OD x 3/16 C/S 90D BUNA O-Ring .....                           | 1   |
| 10                                                             | C-2022   | 3 1/2 OD x 3/16 C/S 90D URTN O-Ring .....                           | 1   |
| 11                                                             | C-2214   | 3 OD x 1/16 C/S 70D BUNA O-Ring .....                               | 1   |
| 12                                                             | C-2017   | Locknut - 7/8 UNF Unitorque .....                                   | 1   |
| 13                                                             | C-2042   | Part No Plate .....                                                 | 1   |
|                                                                | C-2034   | Cylinder Assembly (Includes All Above Items)                        |     |
|                                                                | C-2036   | Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11)                      |     |
| <b>K65198 - 3 1/2 x 12 - Butt-By-Pass Cylinder (ORB Ports)</b> |          |                                                                     |     |
| 1                                                              | K65197   | Barrel - 3 1/2 x 12 Butt Bypass - ORB Ports .....                   | 1   |
| 2                                                              | C-2039   | Piston - 3 1/2 Dia - 7/8 Shaft .....                                | 1   |
| 3                                                              | C-2037   | Gland - 3 1/2 Dia - 1 1/4 Shaft .....                               | 1   |
| 4                                                              | C-2027   | Shaft - 1 1/4 Dia x 19 7/8 .....                                    | 1   |
| 5                                                              | C-2028   | Collar - 3 1/2 .....                                                | 1   |
| 6                                                              | C-2187   | 1 OD x 1/16 C/S 90D BUNA O-Ring .....                               | 1   |
| 7                                                              | C-2007   | 1 1/4 ID x 3/16 C/S 90D URTN Wiper .....                            | 1   |
| 8                                                              | C-2008   | 1 1/4 ID x 5/16 C/S 90D URTN U-Cup .....                            | 1   |
| 9                                                              | C-2029   | 3 1/2 OD x 3/16 C/S 90D BUNA O-Ring .....                           | 1   |
| 10                                                             | C-2022   | 3 1/2 OD x 3/16 C/S 90D URTN O-Ring .....                           | 1   |
| 11                                                             | C-2214   | 3 OD x 1/16 C/S 70D BUNA O-Ring .....                               | 1   |
| 12                                                             | C-2017   | Locknut - 7/8 UNF Unitorque .....                                   | 1   |
| 13                                                             | K65199   | Part No Plate for K65198 .....                                      | 1   |
|                                                                | K65198   | Cylinder Assembly (Includes All Above Items) .....Replaces C-2034.. |     |
|                                                                | C-2036   | Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11)                      |     |

## Hydraulics Cylinders

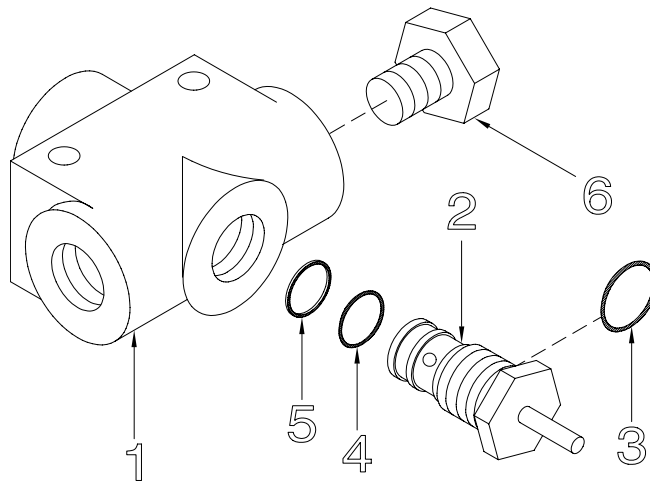




## Hydraulics - Cylinders

| Item | Part No. | Description                                                         | Qty |
|------|----------|---------------------------------------------------------------------|-----|
|      |          | <b>C-2043 - 3 1/2 x 12 - Gland-By-Pass Cylinder (NPT Ports)</b>     |     |
| 1    | C-2045   | Barrel - 3 1/2 x 12 - Gland Bypass - NPT Ports .....                | 1   |
| 2    | C-2039   | Piston - 3 1/2 Dia - 7/8 Shaft .....                                | 1   |
| 3    | C-2037   | Gland - 3 1/2 Dia - 1 1/4 Shaft .....                               | 1   |
| 4    | C-2027   | Cylinder Shaft - 1 1/4 Dia x 19 7/8 .....                           | 1   |
| 5    | C-2028   | Collar - 3 1/2 Cylinder .....                                       | 1   |
| 6    | C-2187   | 1 OD x 1/16 C/S 90D BUNA O-Ring .....                               | 1   |
| 7    | C-2007   | 1 1/4 ID x 3/16 C/S 90D URTN Wiper .....                            | 1   |
| 8    | C-2008   | 1 1/4 ID x 5/16 C/S 90D URTN U-Cup .....                            | 1   |
| 9    | C-2029   | 3 1/2 OD x 3/16 C/S 90D BUNA O-Ring .....                           | 1   |
| 10   | C-2022   | 3 1/2 OD x 3/16 C/S 90D URTN O-Ring .....                           | 1   |
| 11   | C-2214   | 3 OD x 1/16 C/S 70D BUNA O-Ring .....                               | 1   |
| 12   | C-2017   | Locknut - 7/8 UNF Unitorque .....                                   | 1   |
| 13   | C-2046   | Part # Plate for C-2043.....                                        | 1   |
|      | C-2043   | Cylinder Assembly (Includes All Above Items)                        |     |
|      | C-2036   | Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11)                      |     |
|      |          | <b>K65195 - 3 1/2 x 12 - Gland-By-Pass Cylinder (ORB Ports)</b>     |     |
| 1    | K65194   | Barrel - 3 1/2 x 12 - Gland Bypass - ORB Ports.....                 | 1   |
| 2    | C-2039   | Piston - 3 1/2 Dia - 7/8 Shaft .....                                | 1   |
| 3    | C-2037   | Gland - 3 1/2 Dia - 1 1/4 Shaft .....                               | 1   |
| 4    | C-2027   | Cylinder Shaft - 1 1/4 Dia x 19 7/8 .....                           | 1   |
| 5    | C-2028   | Collar - 3 1/2 Cylinder .....                                       | 1   |
| 6    | C-2187   | 1 OD x 1/16 C/S 90D BUNA O-Ring .....                               | 1   |
| 7    | C-2007   | 1 1/4 ID x 3/16 C/S 90D URTN Wiper .....                            | 1   |
| 8    | C-2008   | 1 1/4 ID x 5/16 C/S 90D URTN U-Cup .....                            | 1   |
| 9    | C-2029   | 3 1/2 OD x 3/16 C/S 90D BUNA O-Ring .....                           | 1   |
| 10   | C-2022   | 3 1/2 OD x 3/16 C/S 90D URTN O-Ring .....                           | 1   |
| 11   | C-2214   | 3 OD x 1/16 C/S 70D BUNA O-Ring .....                               | 1   |
| 12   | C-2017   | Locknut - 7/8 UNF Unitorque .....                                   | 1   |
| 13   | K65196   | Part No Plate for K65195 .....                                      | 1   |
|      | K65195   | Cylinder Assembly (Includes All Above Items) .....Replaces C-2043.. |     |
|      | C-2036   | Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11)                      |     |

## Hydraulics Line Lock Valves



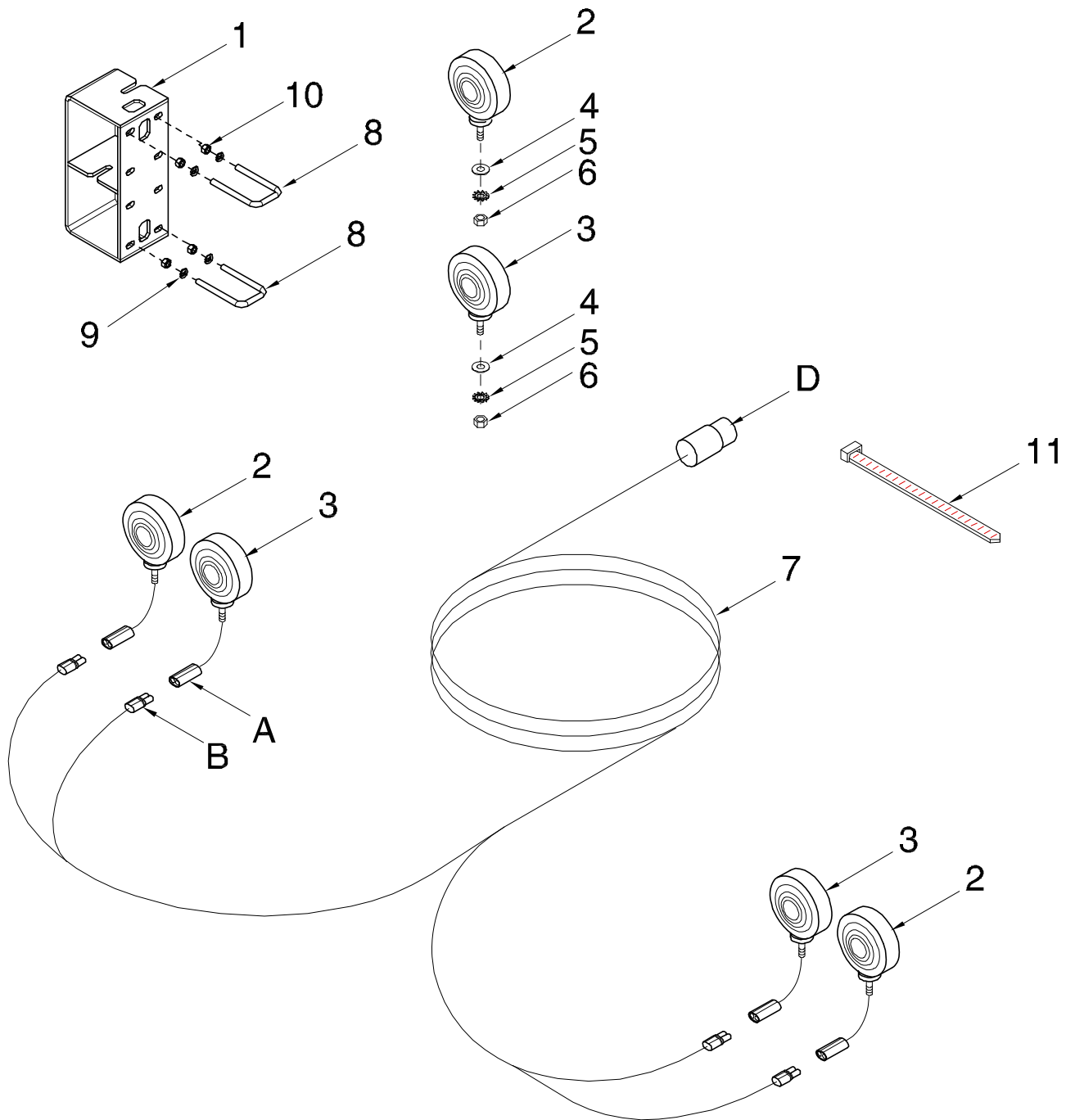
| Item | Part No. | Description                                                 | Qty |
|------|----------|-------------------------------------------------------------|-----|
| 1    | C28894   | Valve Body - Depth Stop .....                               | 1   |
| 2    | C28890   | Depth Stop Valve Cartridge .....                            | 1   |
| 3    | C28891   | O-Ring - 3/4 ID x 15/16 OD .....                            | 1   |
| 4    | C28892   | O-Ring - 5/8 ID x 3/4 OD .....                              | 1   |
| 5    | C28893   | Backup Ring - 21/32 ID x 3/4 OD .....                       | 1   |
|      | C28501   | Single Depth Stop Valve Assembly (Includes All Above Items) |     |

## Section 5: Lighting and Safety Signs

### Section Contents

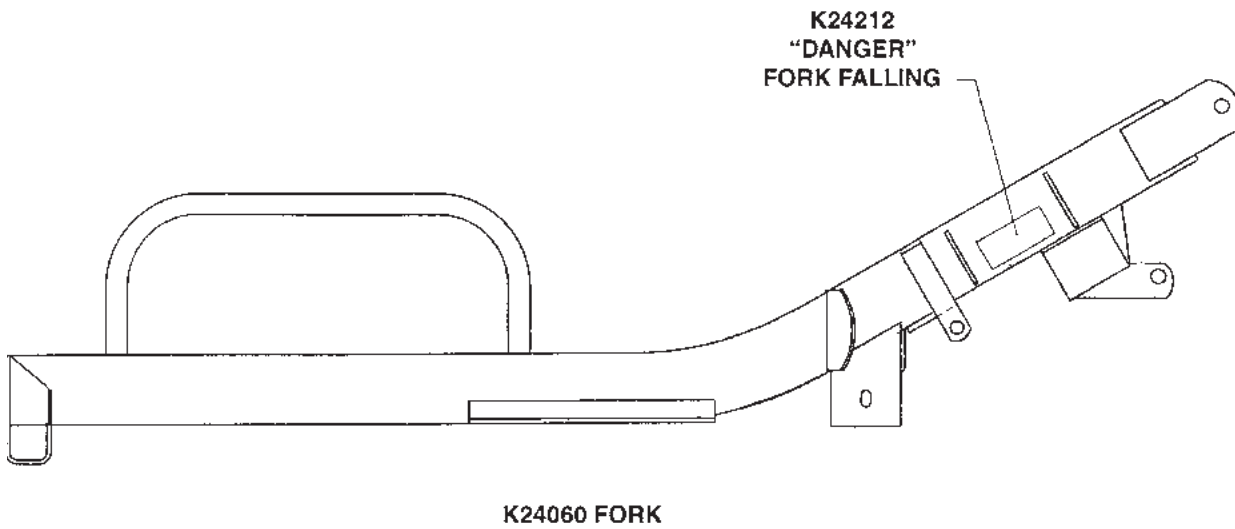
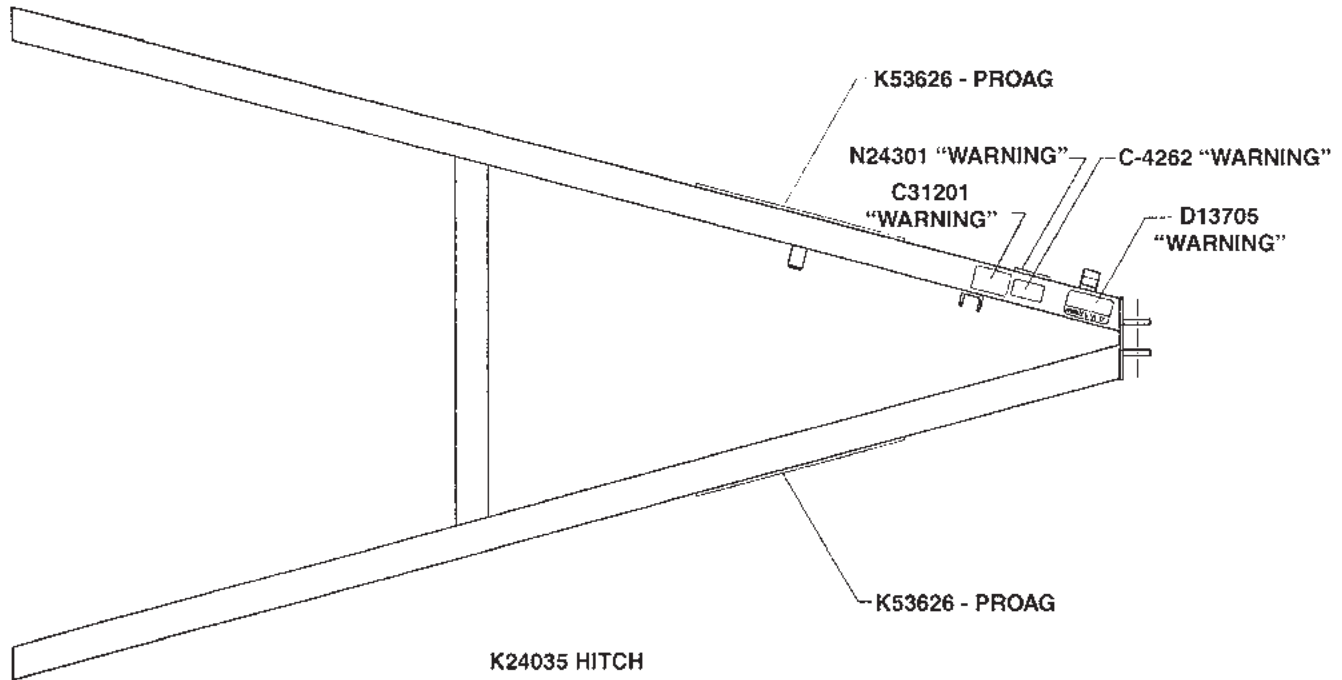
|                     |     |
|---------------------|-----|
| Marking Lights..... | 5-2 |
| Safety Signs.....   | 5-4 |

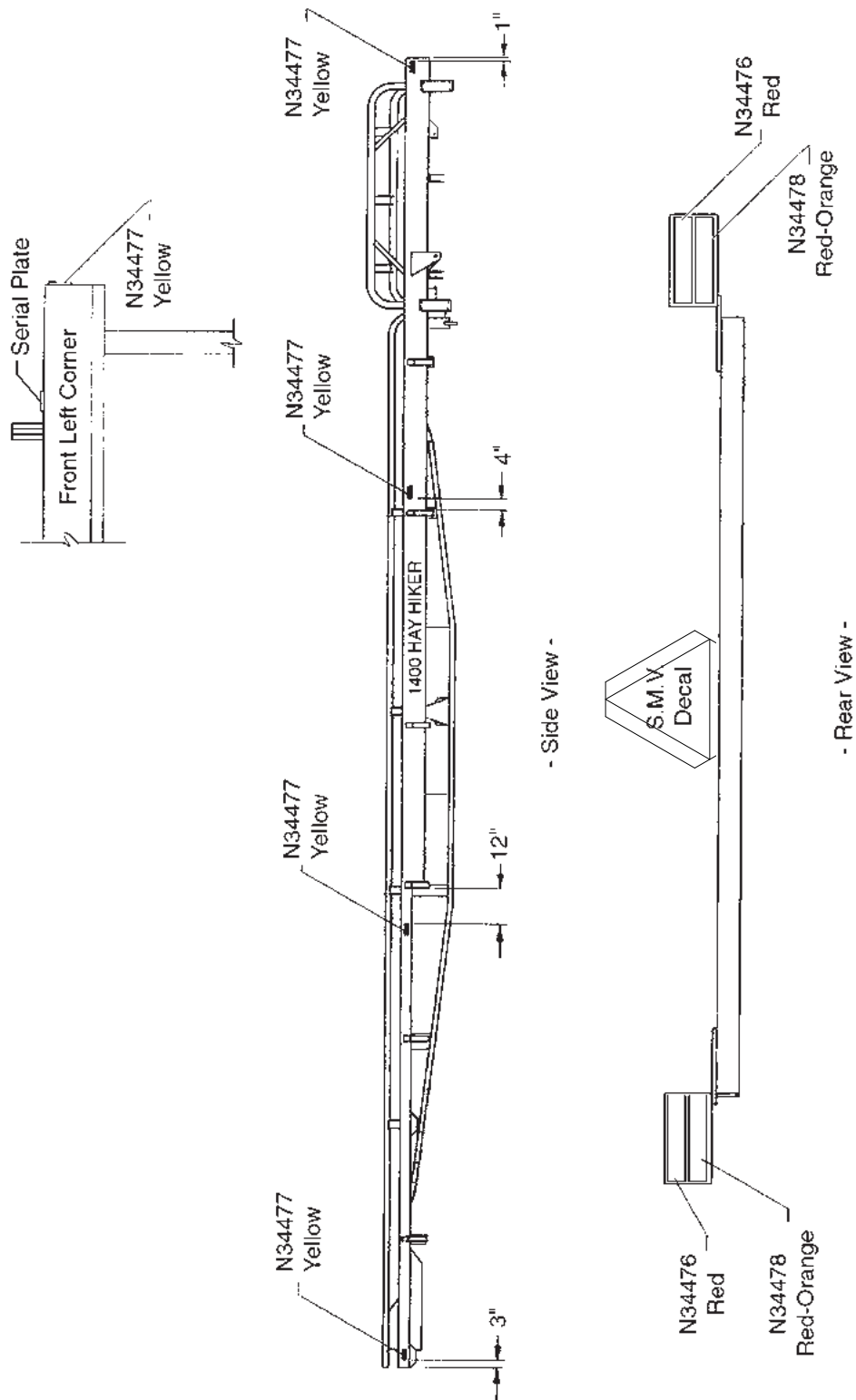
# Lighting Marking Lights



## Lighting - Marking Lights

| Item | Part No. | Description                                                            | Qty |
|------|----------|------------------------------------------------------------------------|-----|
| 1    | K37581   | Bracket - Mounting .....                                               | 2   |
| 2    | C32765   | Light - Amber.....                                                     | 2   |
| 3    | C32766   | Light - Red .....                                                      | 2   |
| 4    | W-539    | Flat Washer - 1/2.....                                                 | 1   |
| 5    | D-5280   | Star Washer - 1/2 .....                                                | 2   |
| 6    | W-516    | Hex Nut - 1/2 .....                                                    | 1   |
| 7    | C31437   | Wiring Harness - Main .....                                            | 1   |
| 8    | N29065   | U - Bolt - 3/8 x 2 x 4 .....                                           | 4   |
| 9    | W-523    | Lockwasher - 3/8.....                                                  | 8   |
| 10   | W-514    | Hex Nut - 3/8 .....                                                    | 8   |
| 11   | D-4951   | Nylon Tie Strap - 7 3/8 lg.....                                        | 25  |
| 11A  | D-4838   | Nylon Strap - Black- 14 1/2 Lg .....                                   | 15  |
|      | C32761   | Red Acrylic Lens                                                       |     |
|      | C32762   | Amber Acrylic Lens                                                     |     |
|      | C32515   | Bulb - #1156                                                           |     |
| A    | C32681   | Receptacle Connector Assembly - GRAY - 2 Pin                           |     |
| B    | C32682   | Plug Connector Assembly - GRAY - 2 Pin                                 |     |
| D    | C32690   | Connector Assembly - 7 Pin Plug (Complete with Cable Protector Spring) |     |
|      | C32688   | Interior - Plug - 7 Pin Connector                                      |     |
|      | C32689   | Cable Protector Spring - Plug - 7 Pin Connector                        |     |
|      |          | ORDER KITS THROUGH PARTS ONLY                                          |     |
|      | K30754   | 1400 Hay Hiker Light Kit-Includes items 1, 4-9, 10, 11, 12, 13 and 14  |     |





## Notes



# Index

|                                             |                                             |                                             |                                   |
|---------------------------------------------|---------------------------------------------|---------------------------------------------|-----------------------------------|
| <b>B</b>                                    | 11, 4-13, 4-15                              | <b>D</b>                                    | K24004 2-5                        |
| BW-11 1-3                                   | C-4387 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15 | D-4838 5-3                                  | K24010 2-3                        |
| <b>C</b>                                    | C-4388 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15 | D-4951 5-3                                  | K24017 2-5                        |
| C-333 1-3                                   | C-4390 4-3, 4-5, 4-9, 4-11, 4-13            | D-5063 1-3                                  | K24035 1-3                        |
| C-719 4-9, 4-11, 4-13                       | C-4394 4-15                                 | D-5239 2-3, 3-2                             | K24042 1-3                        |
| C-724 4-9, 4-11                             | C-4396 4-9, 4-11, 4-13                      | D-5240 1-3                                  | K24045 3-3                        |
| C-805 1-3                                   | C-4399 4-3, 4-9                             | D-5244 1-3                                  | K24053 1-3                        |
| C-817 4-3, 4-5, 4-9, 4-11, 4-13             | C-4400 4-3, 4-9, 4-11, 4-13                 | D-5267 2-5, 2-7                             | K24060 2-5                        |
| C-852 2-7                                   | C-4402 4-9                                  | D-5272 1-4                                  | K24075 2-5                        |
| C-1429 1-3, 4-9, 4-11, 4-13, 4-15           | C-4404 4-9, 4-11, 4-13, 4-15                | D-5274 2-5                                  | K24076 2-5                        |
| C-2002 4-16                                 | C-4405 4-9, 4-11, 4-13                      | D-5275 1-3                                  | K24083 2-5                        |
| C-2007 4-16, 4-17, 4-19                     | C-4467 4-9, 4-11, 4-13, 4-15                | D-5278 4-3, 4-5, 4-7                        | K24085 3-3                        |
| C-2008 4-16, 4-17, 4-19                     | C-4468 4-9, 4-11, 4-13, 4-15                | D-5279 2-3                                  | K24088 1-3                        |
| C-2009 4-16                                 | C-4469 4-3, 4-5, 4-7                        | D-5280 5-3                                  | K24090 2-7                        |
| C-2010 4-16                                 | C-4698 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15 | D-5489 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15 | K24092 1-3                        |
| C-2012 4-16                                 | C14840 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15 | D-5519 1-3                                  | K24093 1-3                        |
| C-2013 4-16                                 | C15318 4-3, 4-5, 4-7                        | D-5558 1-3                                  | K24097 4-3, 4-5, 4-7              |
| C-2014 4-16                                 | C15348 4-13, 4-15                           | D12671 1-3                                  | K24104 2-7                        |
| C-2015 4-16                                 | C15975 4-9, 4-11, 4-13, 4-15                | D12714 2-3                                  | K24105 2-7                        |
| C-2017 4-16, 4-17, 4-19                     | C16457 4-9, 4-11, 4-13                      | D14565 2-3                                  | K24106 2-7                        |
| C-2022 4-17, 4-19                           | C16609 3-2                                  | <b>F</b>                                    | K24107 2-3, 2-7                   |
| C-2027 4-17, 4-19                           | C17348 3-2                                  | F-3404 2-5                                  | K24110 2-3, 2-7                   |
| C-2028 4-17, 4-19                           | C17355 3-2                                  | F-3405 1-3, 2-7                             | K24111 2-7, 4-3, 4-5, 4-7         |
| C-2029 4-17, 4-19                           | C18510 2-5                                  | F-4559 4-3, 4-5, 4-7                        | K24112 2-3, 2-7                   |
| C-2034 4-9, 4-11, 4-13, 4-17                | C18758 1-3                                  | F-4560 4-3, 4-5, 4-7                        | K24113 2-7                        |
| C-2036 4-17, 4-19                           | C18761 1-3                                  | F-5426 4-3, 4-5, 4-7                        | K24114 2-3, 2-7                   |
| C-2037 4-17, 4-19                           | C24585 4-3, 4-5, 4-7, 4-11, 4-13, 4-15      | F-5679 4-7, 4-15                            | K24116 2-7                        |
| C-2038 4-17                                 | C26333 4-11, 4-13, 4-15                     | F10384 4-15                                 | K24144 2-5                        |
| C-2039 4-17, 4-19                           | C28501 4-3, 4-5, 4-7, 4-20                  | F12981 2-5                                  | K24160 1-3                        |
| C-2042 4-17                                 | C28505 4-3, 4-5, 4-7                        | <b>H</b>                                    | K24164 2-7                        |
| C-2043 2-5, 4-9, 4-11, 4-13, 4-19           | C28890 4-20                                 | H-4406 4-9, 4-11, 4-13                      | K24176 2-7                        |
| C-2045 4-19                                 | C28891 4-20                                 | H-4584 2-7                                  | K24180 1-3, 2-7                   |
| C-2046 4-19                                 | C28892 4-20                                 | H10462 1-3, 1-4, 1-5                        | K24185 2-7                        |
| C-2187 4-16, 4-17, 4-19                     | C28893 4-20                                 | H18263 4-9, 4-11                            | K24187 1-3                        |
| C-2214 4-16, 4-17, 4-19                     | C28894 4-20                                 | H18746 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15 | K24190 1-3                        |
| C-2238 4-9, 4-11, 4-13, 4-15, 4-16          | C31437 5-3                                  | H24393                                      | K24192 1-3                        |
| C-2239 4-16                                 | C32515 5-3                                  | H30756 5-3                                  | K24195 2-5                        |
| C-2240 4-16                                 | C32681 5-3                                  | H59985 1-3, 1-5                             | K24199 1-3                        |
| C-3016 2-3                                  | C32682 5-3                                  | <b>J</b>                                    | K24200 2-5                        |
| C-3017 4-11, 4-13                           | C32688 5-3                                  | J12217 4-3, 4-5, 4-7                        | K24204 2-5                        |
| C-3035 4-3, 4-5, 4-7                        | C32689 5-3                                  | <b>K</b>                                    | K24206 1-3                        |
| C-4363 4-9, 4-11, 4-13, 4-15                | C32690 5-3                                  | K-3832 2-3                                  | K24210 2-5                        |
| C-4364 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15 | C32761 5-3                                  | K-5685 4-9, 4-11, 4-13, 4-15                | K24212 2-5                        |
| C-4369 4-3, 4-5, 4-7                        | C32762 5-3                                  | K-5806 4-3, 4-5, 4-7                        | K24264 2-3                        |
| C-4383 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15 | C32765 5-3                                  | K21447 2-5                                  | K24265 2-5                        |
| C-4385 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15 | C32766 5-3                                  | K21993 2-3                                  | K24267 2-7                        |
|                                             |                                             | K21994 2-3                                  | K24269 2-7                        |
|                                             |                                             |                                             | K24270 2-7                        |
|                                             |                                             |                                             | K24283 3-3                        |
|                                             |                                             |                                             | K24284 3-3                        |
|                                             |                                             |                                             | K24288 2-3                        |
|                                             |                                             |                                             | K24293 2-7                        |
|                                             |                                             |                                             | K24299 1-3                        |
|                                             |                                             |                                             | K24578 2-5, 4-9, 4-11, 4-13, 4-15 |
|                                             |                                             |                                             | K24589 1-3                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>K24877 2-5<br/> K24884 2-3<br/> K24894 1-3<br/> K24896 2-7<br/> K24900 2-7<br/> K24901 2-7<br/> K24903 1-3<br/> K24904 2-5, 4-9, 4-11, 4-13, 4-15<br/> K25314 2-7<br/> K25655 2-3, 4-3, 4-5, 4-7<br/> K25787 2-3<br/> K25790 1-3<br/> K25797 1-3<br/> K25951 2-3<br/> K27500 2-3<br/> K27558 2-3, 2-7<br/> K28102 4-3, 4-5, 4-7<br/> K28561 1-3<br/> K29976 4-9, 4-11, 4-13, 4-15<br/> K29977 4-9, 4-11, 4-13, 4-15<br/> K29978 4-3, 4-5, 4-7<br/> K29979 4-3, 4-5, 4-7<br/> K30754 5-3<br/> K32232 2-7<br/> K33558 2-7<br/> K33559 2-7<br/> K33560 2-7<br/> K33900 2-3<br/> K33901 2-3<br/> K33997 2-5<br/> K37581 5-3<br/> K42389 1-3<br/> K42390 1-3<br/> K44733 1-3<br/> K46435 2-3<br/> K50180 4-5, 4-7, 4-11, 4-13, 4-15<br/> K50890 2-3<br/> K50891 2-3<br/> K53626 1-3<br/> K60239 4-13, 4-15<br/> K60240 4-9, 4-11<br/> K65194 4-19<br/> K65195 4-15, 4-19<br/> K65196 4-19<br/> K65197 4-17<br/> K65198 4-15, 4-17<br/> K65199 4-17</p> <p><b>M</b></p> <p>M-3388 1-3, 2-3, 2-5, 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15</p> | <p><b>N</b></p> <p>N11572 2-3<br/> N13962 3-2<br/> N19167 3-2<br/> N19168 3-2<br/> N19169 3-2<br/> N19170 3-2<br/> N19171 3-2<br/> N19172 3-2<br/> N19173 3-2<br/> N19484 3-2<br/> N19586 3-2<br/> N19727 3-2<br/> N19866 1-4<br/> N19965 1-4<br/> N19966 1-4<br/> N19967 1-4<br/> N19968 1-4<br/> N19969 1-4<br/> N29065 5-3<br/> N31601 4-3, 4-9<br/> N34474 2-7<br/> N34476 2-7<br/> N34477 1-3<br/> N34478 2-7<br/> N34498 4-7, 4-15<br/> N34505 4-7<br/> N36489 4-3, 4-5, 4-7<br/> N49460 4-15</p> <p><b>S</b></p> <p>S-367 2-5<br/> S-748 2-3, 4-3, 4-5, 4-7<br/> S-752 2-5, 4-9, 4-11, 4-13, 4-15<br/> S-1175 1-3<br/> S-1189 2-7<br/> S-1197 2-5, 3-3<br/> S-1203 2-7<br/> S-1240 1-3<br/> S-1292 2-7<br/> S-1303 4-3, 4-5, 4-7<br/> S-3445 2-5<br/> S-4730 2-3, 4-3, 4-9<br/> S34100 2-3<br/> S34116 4-13</p> <p><b>T</b></p> <p>T-4832 2-7</p> <p><b>V</b></p> <p>V-339 2-3<br/> V-3262 2-3<br/> V-3465 2-3</p> | <p><b>W</b></p> <p>W-7 1-3<br/> W-131 1-3, 1-4, 1-5<br/> W-187 2-5<br/> W-473 1-4<br/> W-478 1-3, 2-3<br/> W-479 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15<br/> W-480 2-5<br/> W-487 2-3<br/> W-488 1-3<br/> W-489 2-3<br/> W-497 2-3<br/> W-501 2-7<br/> W-502 2-7<br/> W-506 2-5, 3-3<br/> W-509 2-5, 3-3<br/> W-513 4-3, 4-5, 4-7<br/> W-514 2-3, 4-3, 4-5, 4-7<br/> W-516 2-5, 2-7, 5-3<br/> W-517 2-3, 2-5, 2-7<br/> W-518 1-3, 2-5, 3-3<br/> W-522 4-3, 4-5, 4-7<br/> W-523 5-3<br/> W-525 1-3, 2-5<br/> W-526 2-3, 2-5, 2-7<br/> W-527 1-3, 2-5, 3-3<br/> W-529 1-3<br/> W-533 1-3, 2-5<br/> W-535 2-5, 4-9, 4-11, 4-13, 4-15<br/> W-539 1-3, 2-7, 5-3<br/> W-619 4-3, 4-5, 4-7<br/> W-629 2-7<br/> W-1663 1-3<br/> W-1854 1-3, 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-15<br/> W14434 2-3<br/> W14504 4-3, 4-5, 4-7<br/> W21476 1-3</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                |               |  |           |
|----------------|---------------|--|-----------|
|                |               |  |           |
| 1400 Hay Hiker | February 2018 |  | Index-iii |



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