

### Thank you for choosing a Kelly Tillage product

We trust that you find the following manual clear and easy to follow. If you should require additional customer support or assistance, please do not hesitate to contact us.

Spare parts can be purchased, as required, through your local dealer or by contacting Kelly Tillage directly.

Kelly welcomes feedback. Should you have any difficulties that you wish to raise, suggestions for improvement or modifications that you feel would enhance our products we look forward to hearing from you.

#### **Kelly Tillage**

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**Spare Parts:** parts@kellytillage.com **Website:** www.kellytillage.com

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This symbol indicates which bag the relevant fasteners are in



This symbol indicates which bag the relevant hydraulics are in



This symbol indicates the hydraulics are in a box



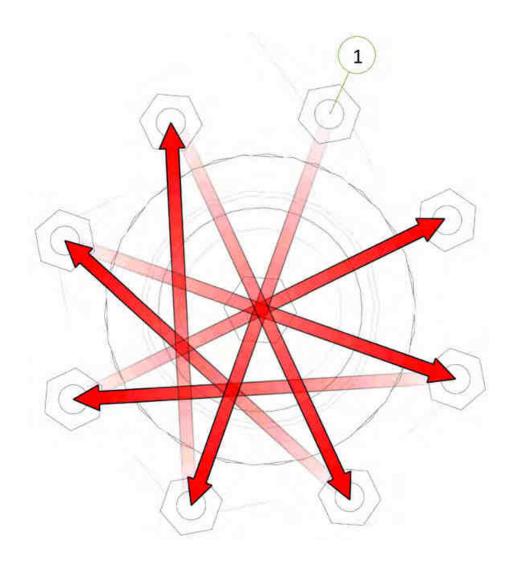
This symbol indicates which way the machine is travelling

#### **Bolt Torque Settings**

| Bolt Type        |     | Whee | el nut |       | U Bolt Class 8.8 Bolt |     |     |     | Class<br>10.9 Bolt |     | Grade<br>8 Bolt |     |     |     |       |
|------------------|-----|------|--------|-------|-----------------------|-----|-----|-----|--------------------|-----|-----------------|-----|-----|-----|-------|
| <b>Bolt Size</b> | M18 | M20  | 1/2"   | 9/16" | M10                   | M12 | M16 | M10 | M12                | M16 | M20             | M24 | M20 | M24 | 1"UNF |
| Ft lb            | 255 | 265  | 90     | 100   | 22                    | 36  | 55  | 32  | 48                 | 140 | 190             | 270 | 300 | 350 | 849   |
| Nm               | 345 | 360  | 125    | 140   | 30                    | 50  | 75  | 44  | 65                 | 190 | 260             | 370 | 406 | 475 | 1151  |

[1] When fitting a wheel & tyre to a hub, tighten the wheel nuts in a star pattern to the correct tension. To achieve this choose a wheel nut & tighten, then proceed to the opposite side of the hub to the next wheel nut & tighten & so on until all wheel nuts are tight. Then repeat the procedure to check that all nuts are tight. Do not use impact tools to tighten wheel nuts. For a guide to the correct tension of the wheel nuts please use the appropriate tension for your size wheel nuts from the Bolt Torque Settings table.

Torque values are for dry threads and surfaces however it is permissible to apply a small amount of anti corrosive oil to the threads.



# Section 1 Unpacking

### Unpacking



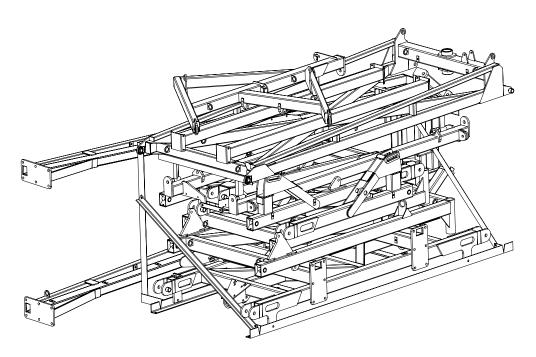
 Before unloading any loads please inspect exterior for damage

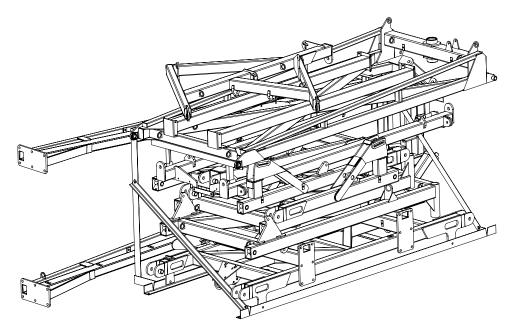


#### **CAUTION**

Take care when opening doors as load may have shifted or restraints may have broken.

- Remove boxes from doorway of container one at a time using a forklift truck. Each box weighs approximately 2500kg (5512 lbs)
- Check strapping on each bundle before attempting to remove
- Attach chains to the packing frame using shackles and using suitable equipment (eg. fork-lift or tractor) drag framework bundles out of container. To move bundles away from front of container lift from side with forklift. Do not lift under angle iron frame, lift only under centre frame. Each bundle weighs approximately 7000 lb (3200 kg).







#### **CAUTION**

Before cutting straps attach slings or chains and take the weight of the frames to avoid them slipping or

falling and causing injury.



#### **CAUTION**

Wear eye and hand protection when cutting straps. Sharp edges are exposed as straps separate and may cause injury.

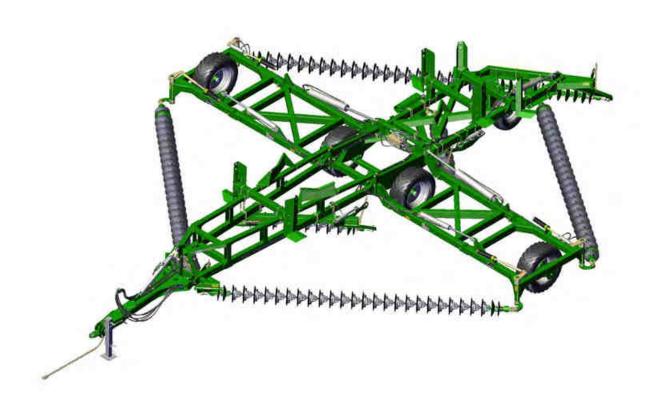


#### **CAUTION**

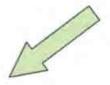
To avoid falling or moving components, before cutting straps attach slings or chains to individual pieces and only cut the straps holding the piece to be lifted.

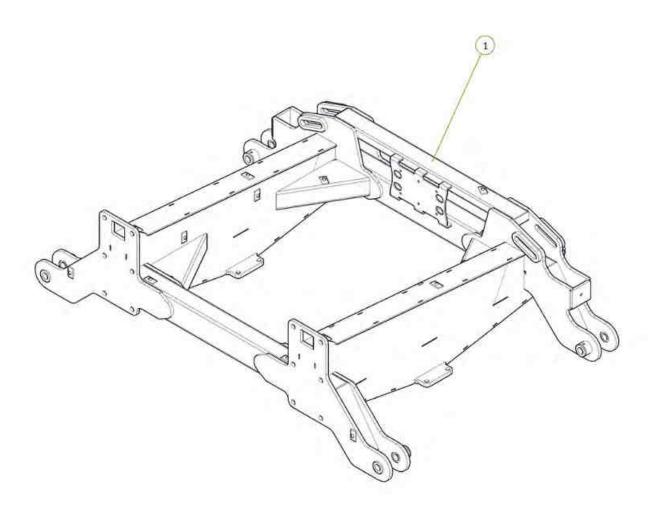
- Remove boxes from rear of container one at a time using a forklift truck. Each box weighs approximately 2500 kg (5512 lbs)
- Cut straps holding bundles and separate parts and place in assembly area
- Once all parts have been identified, the machine is ready for assembly
- Identify parts for each machine by serial no. or description and separate. Open parts box and check that all parts are accounted for against checklist
- Read assembly instructions before proceeding.

# Section 2 Assembly



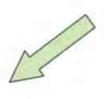
| Item No. | Description           | Qty | Number  |
|----------|-----------------------|-----|---------|
| 1        | 9m Gen 2 Centre Frame | 1   | 1532-01 |

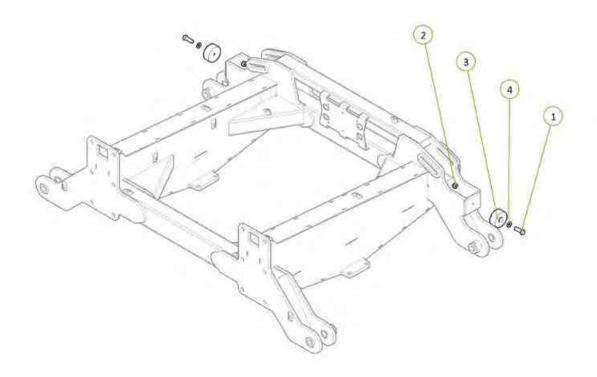




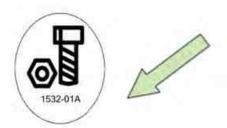
| Item No. | Description                | Qty | Number     |
|----------|----------------------------|-----|------------|
| 1        | M16 x 55 grade 8.8 zp Bolt | 2   | 0211-1655  |
| 2        | Nyloc Nut M16              | 2   | 0221-NYL16 |
| 3        | Wing Folding Buffer        | 2   | 1201-12    |
| 4        | Washer Flat M16            | 2   | 0231-F16   |

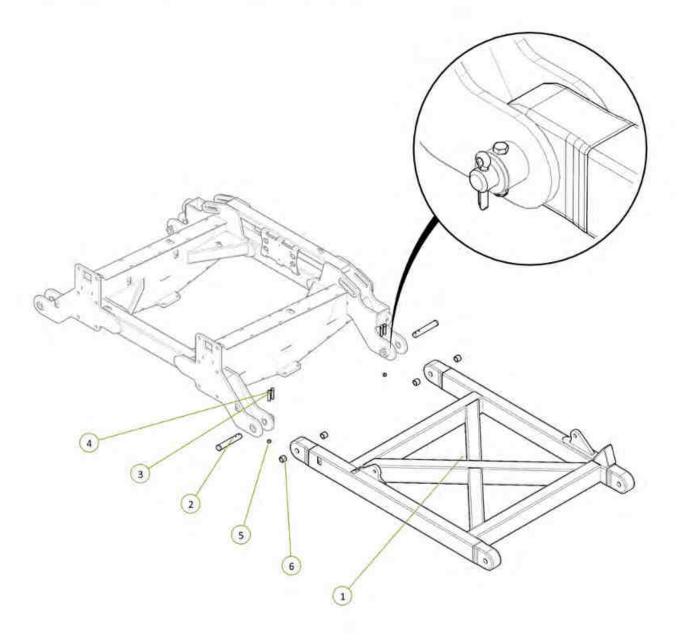






| Item No. | Description                | Qty | Number         |
|----------|----------------------------|-----|----------------|
| 1        | 9m Gen 2 LH Inner Wing     | 1   | 1532-05-2      |
| 2        | PCH Wing Pivot Pin         | 2   | 0801-10-08-235 |
| 3        | Cotter Pin M13 x 63        | 2   | 0261-PINC1363  |
| 4        | M12 x 75 grade 8.8 ZP Bolt | 2   | 0211-1275      |
| 5        | Nyloc Nut M12              | 2   | 0221-NYL12     |
| 6        | 35 ID x 30mm DU Bush       | 4   | 0113-MB 3530DU |

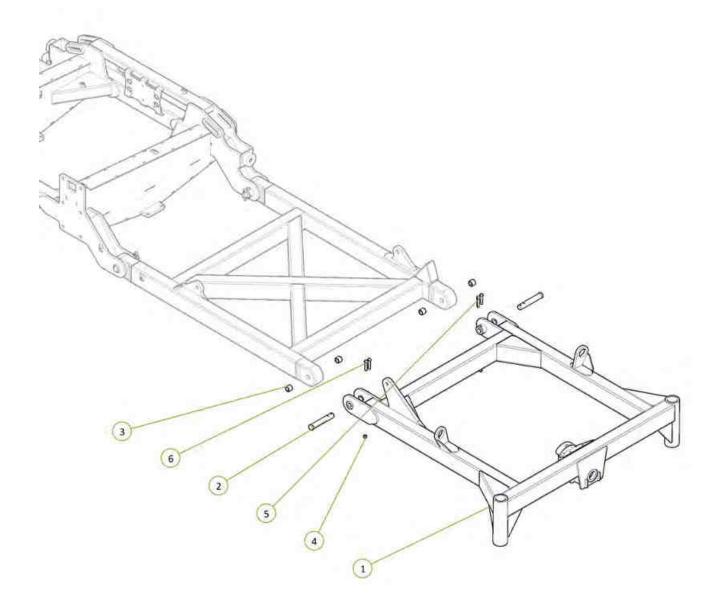




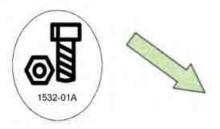
| Item No. | Description                | Qty | Number         |
|----------|----------------------------|-----|----------------|
| 1        | 9m Gen 2 LH Outer Wing     | 1   | 1532-07-2      |
| 2        | PCH Wing Pivot Pin         | 2   | 0801-10-08-235 |
| 3        | 35 ID x 30mm DU Bush       | 4   | 0113-MB 3530DU |
| 4        | Nyloc Nut M12              | 2   | 0221-NYL12     |
| 5        | M12 x 75 grade 8.8 ZP Bolt | 2   | 0211-1275      |
| 6        | Cotter Pin M13 x 63        | 2   | 0261-PINC1363  |

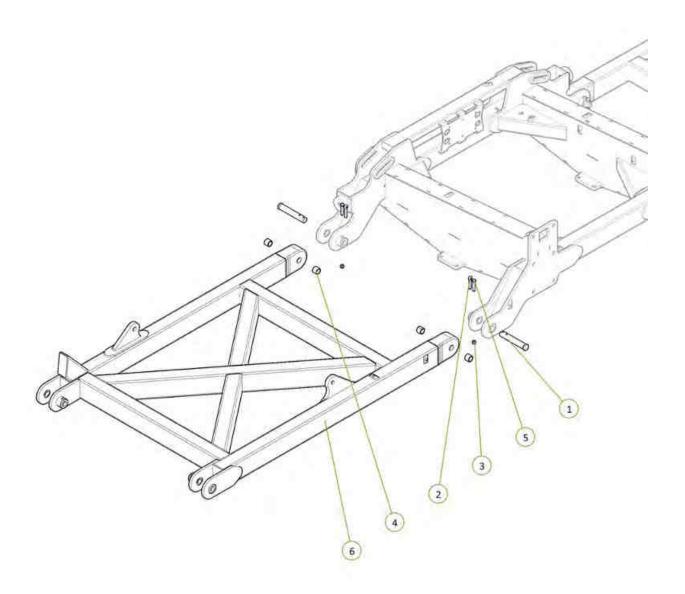




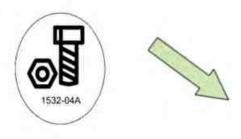


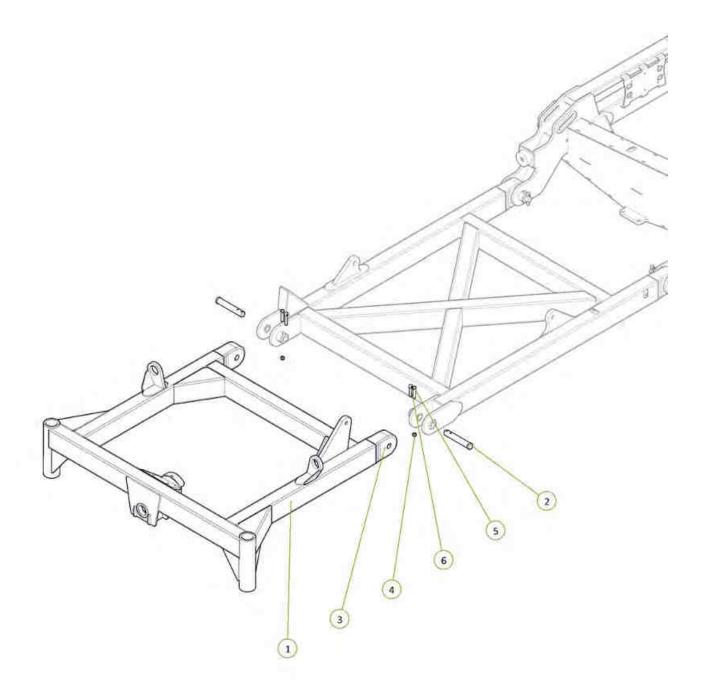
| Item No. | Description                | Qty | Number         |
|----------|----------------------------|-----|----------------|
| 1        | PCH Wing Pivot Pin         | 2   | 0801-10-08-235 |
| 2        | Cotter Pin M13 x 63        | 2   | 0261-PINC1363  |
| 3        | Nyloc Nut M12              | 2   | 0221-NYL12     |
| 4        | 35 ID x 30mm DU Bush       | 4   | 0113-MB 3530DU |
| 5        | M12 x 75 grade 8.8 ZP Bolt | 2   | 0211-1275      |
| 6        | 9m Gen 2 RH Inner Wing     | 1   | 1532-04-2      |





| Item No. | Description                | Qty | Number         |
|----------|----------------------------|-----|----------------|
| 1        | 9m Gen 2 RH Outer Wing     | 1   | 1532-06-2      |
| 2        | PCH Wing Pivot Pin         | 2   | 0801-10-08-235 |
| 3        | 35 ID x 30mm DU Bush       | 4   | 0113-MB 3530DU |
| 4        | Nyloc Nut M12              | 2   | 0221-NYL12     |
| 5        | M12 x 75 grade 8.8 ZP Bolt | 2   | 0211-1275      |
| 6        | Cotter Pin M13 x 63        | 2   | 0261-PINC1363  |

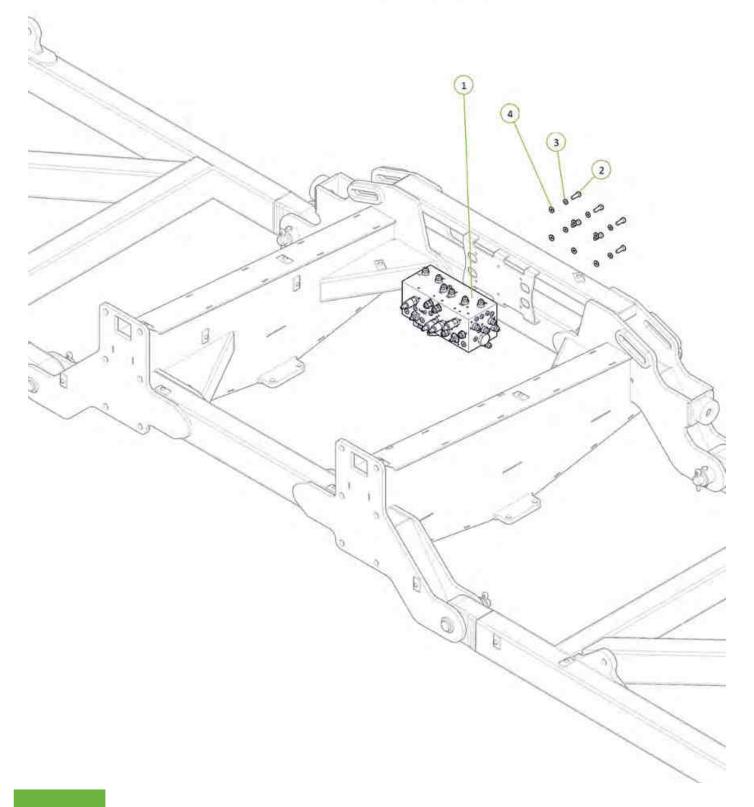




| Item No. | Description                                | Qty | Number      |
|----------|--|-----|-------------|
| 1        | Dual Circuit 3 Stage Sequence Manifold V12 | 1   | 0802-691033 |
| 2        | M10 x 30 grade 8.8 ZP Bolt                 | 6   | 0211-1030   |
| 3        | Washer Spring M10                          | 5   | 0231-S10    |
| 4        | Washer Flat M10                            | 6   | 0231-F10    |

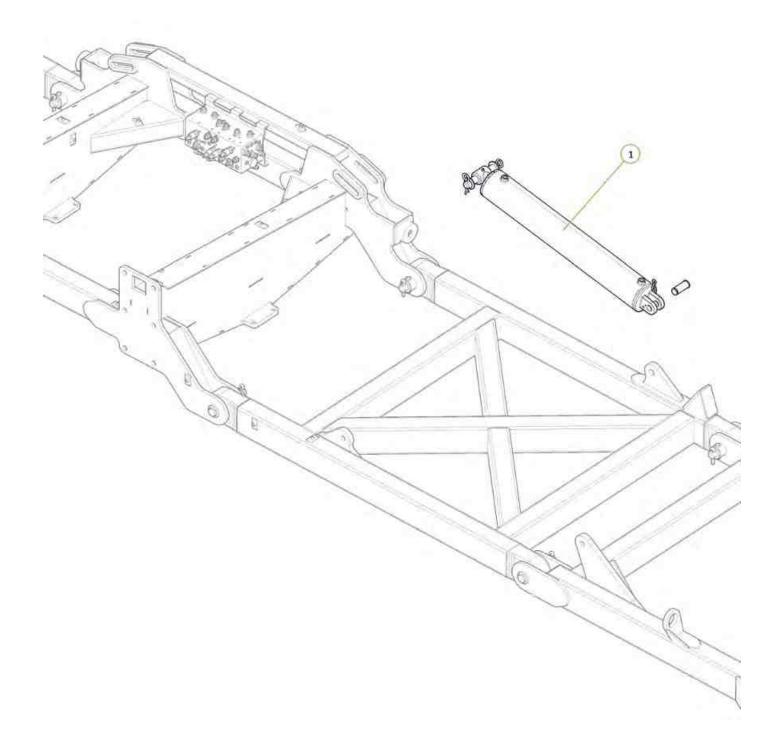


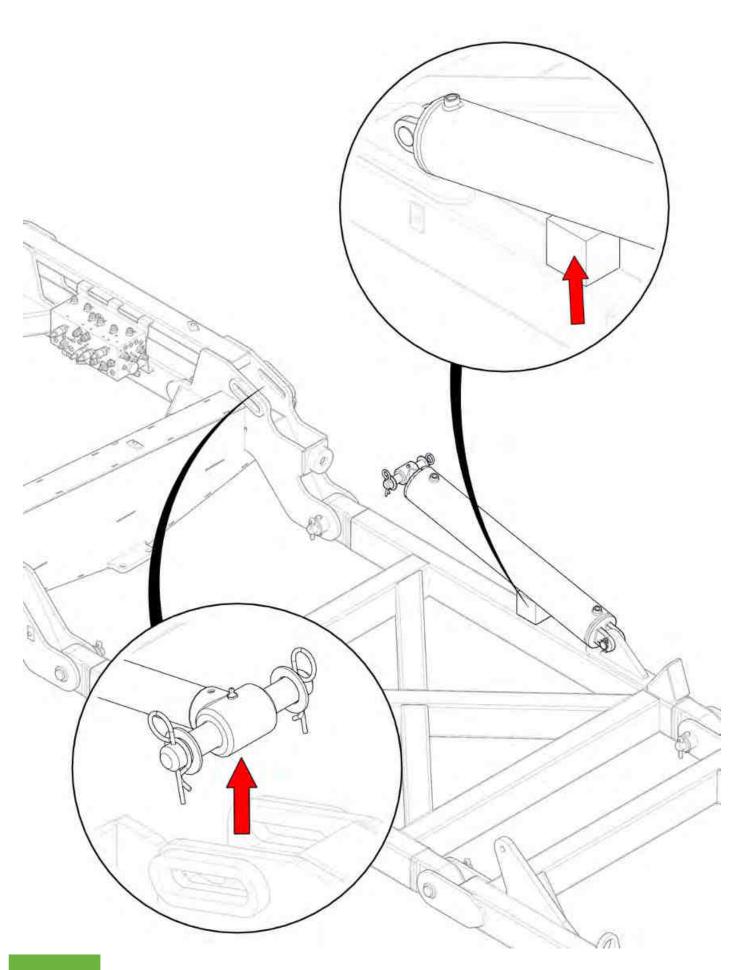




| Item No. | Description  | Qty | Number     |
|----------|--|-----|------------|
| 1        | 5" Bore 30" Stroke 3 1/8" S/Tube 2" Rod Hydraulic Cylinder | 1   | 0311-530ST |



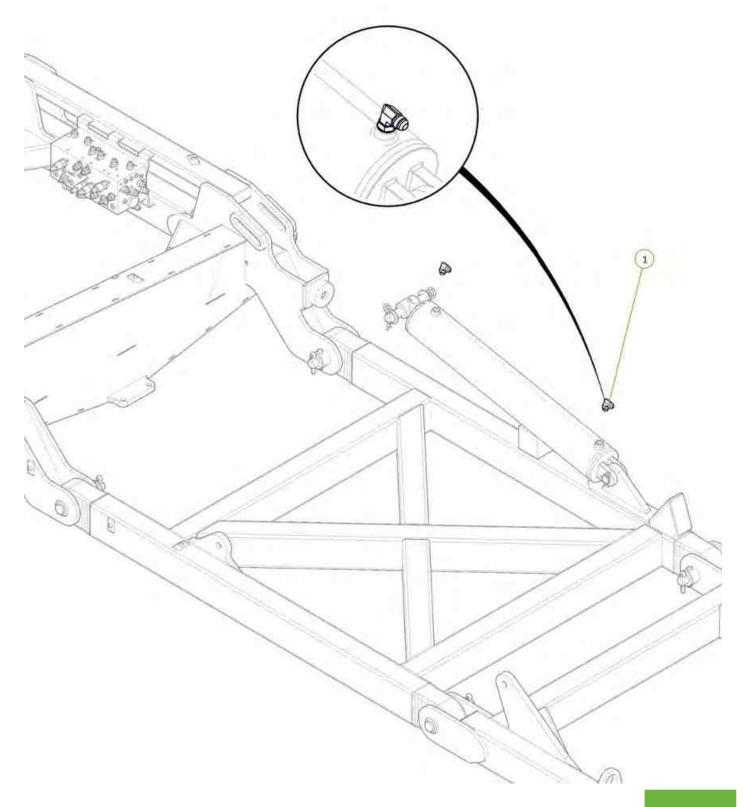


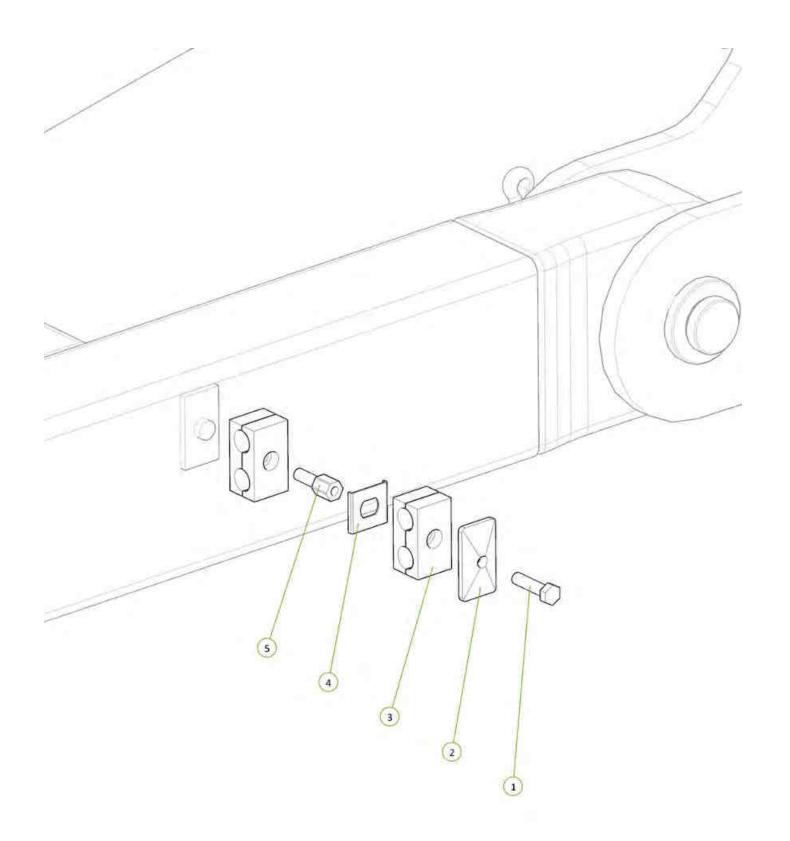


| Item No. | Description                                 | Qty | Number        |
|----------|---|-----|---------------|
| 1        | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2   | 0323-591-1212 |



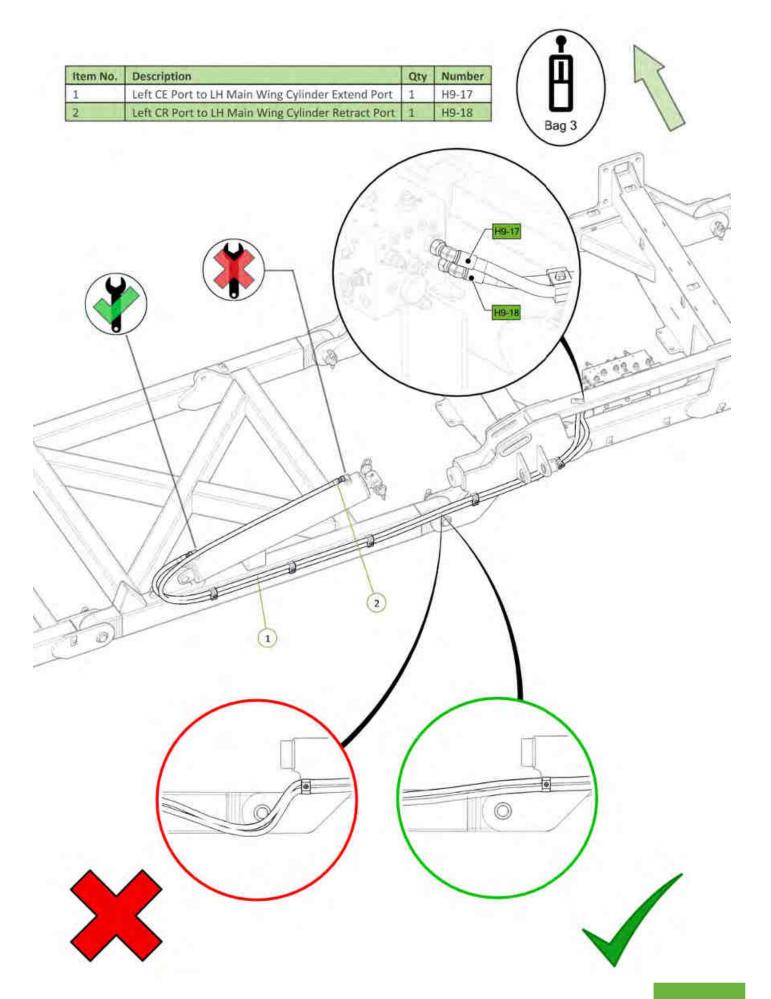






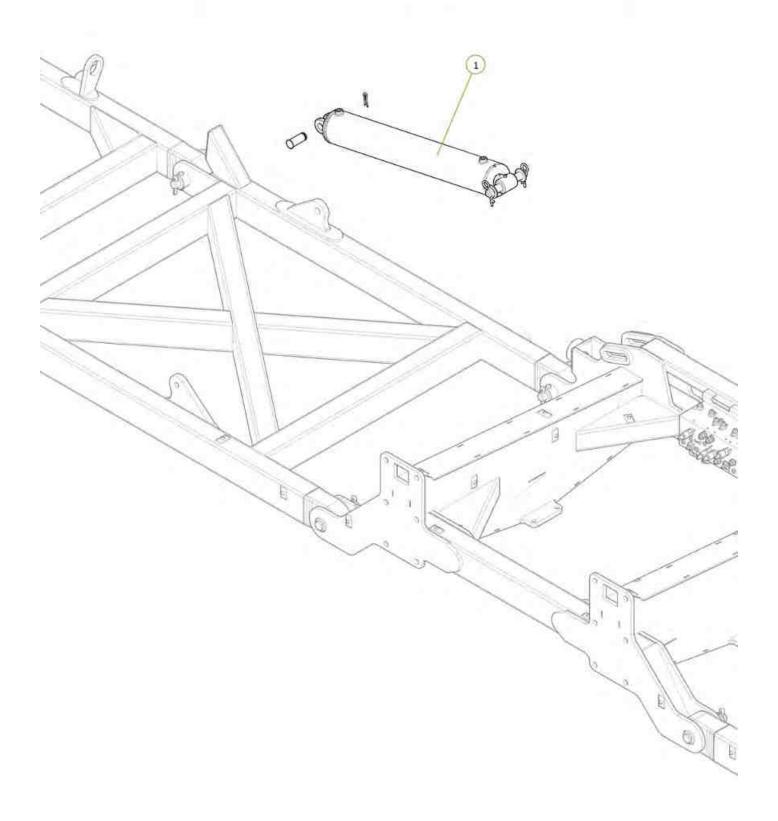
| Item No. | Description                            | Qty | Number          |
|----------|--|-----|-----------------|
| 1        | Double Clamp Bolt Group 2              | 1   | 0325-RCD-2BH    |
| 2        | Clamp top plate group 2                | 1   | 0325-RCD-2PT    |
| 3        | 17mm Clamp Jaws (Pair)                 | 2   | 0325-RCD-17J    |
| 4        | Double Clamp Stacking Plate (Non Ryco) | 1   | 0325-SI-2-5D-W3 |
| 5        | Double Clamp Stacking Bolt Group 2     | 1   | 0325-RCD-2BS    |

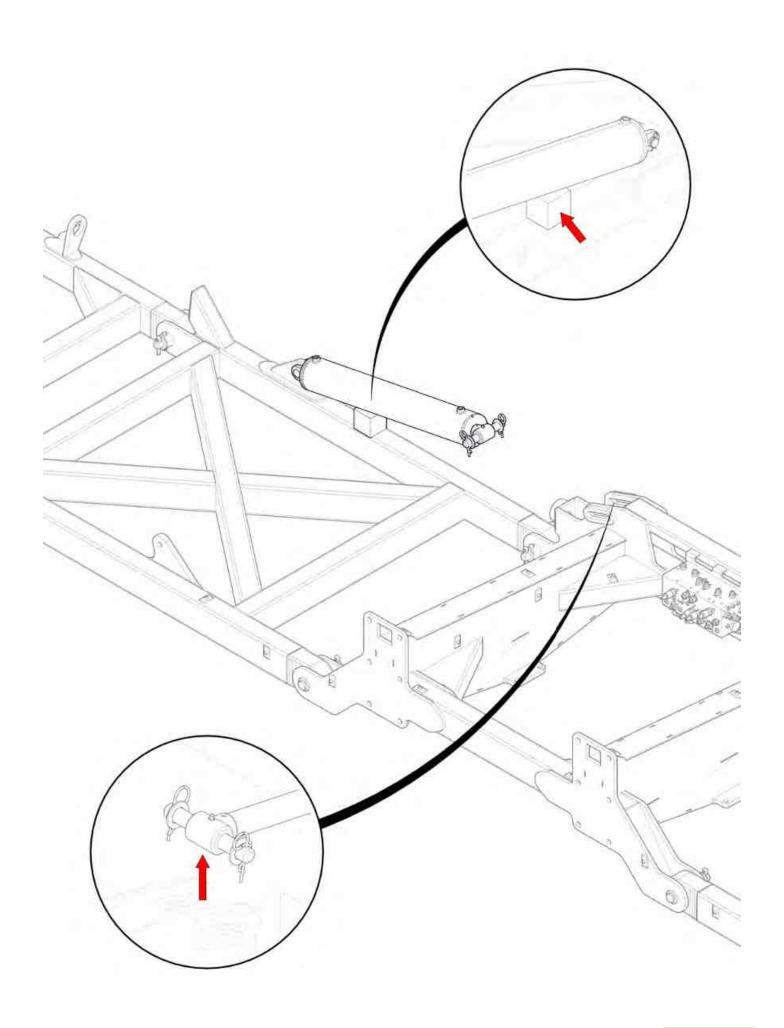




| Item No. | Description  | Qty | Number     |
|----------|--|-----|------------|
| 1        | 5" Bore 30" Stroke 3 1/8" S/Tube 2" Rod Hydraulic Cylinder | 1   | 0311-530ST |



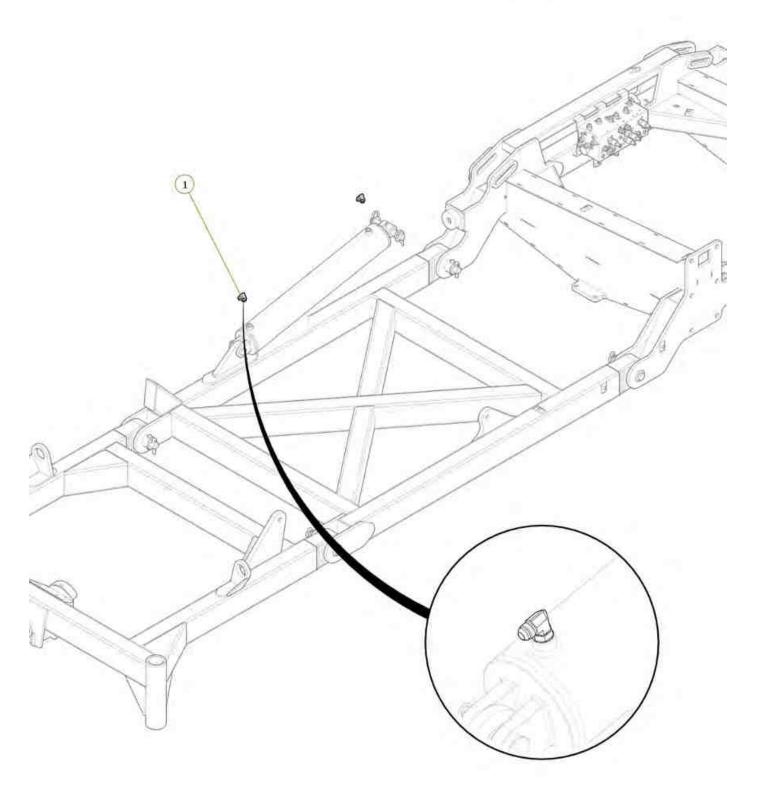




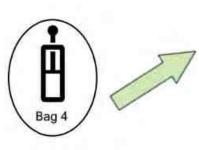
| Item No. | Description                                 | Qty | Number        |
|----------|---|-----|---------------|
| 1        | 3/4" JIC Male 3/4" UN O Ring Male 90" Elbow | 2   | 0323-591-1212 |

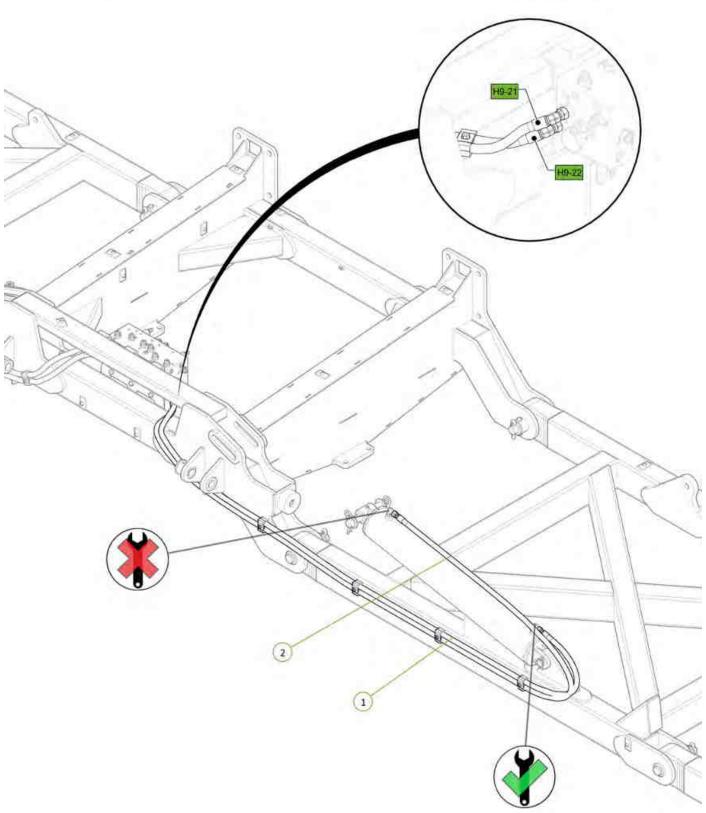






| Item No. | Description   | Qty | Number |
|----------|---|-----|--------|
| 1        | Right CE Port to RH Main Wing Cylinder Extend Port  | 1   | H9-21  |
| 2        | Right CR Port to RH Main Wing Cylinder Retract Port | 1   | H9-22  |

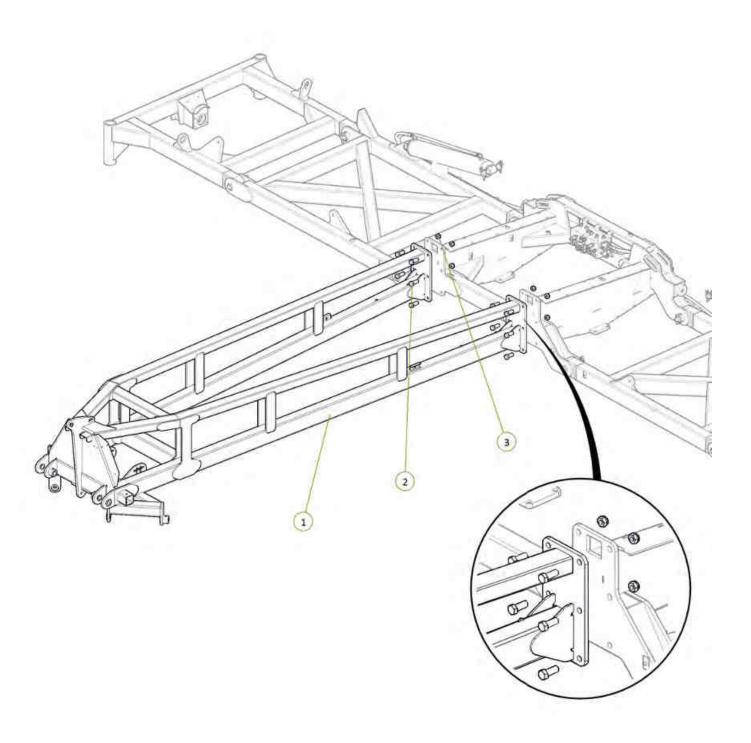




| Item No. | Description                | Qty | Number     |
|----------|----------------------------|-----|------------|
| 1        | 9m Gen 2 Main Pull         | 1   | 1532-02    |
| 2        | M24 x 65 grade 8.8 zp Bolt | 12  | 0211-2465  |
| 3        | Nyloc Nut M24              | 12  | 0221-NYL24 |

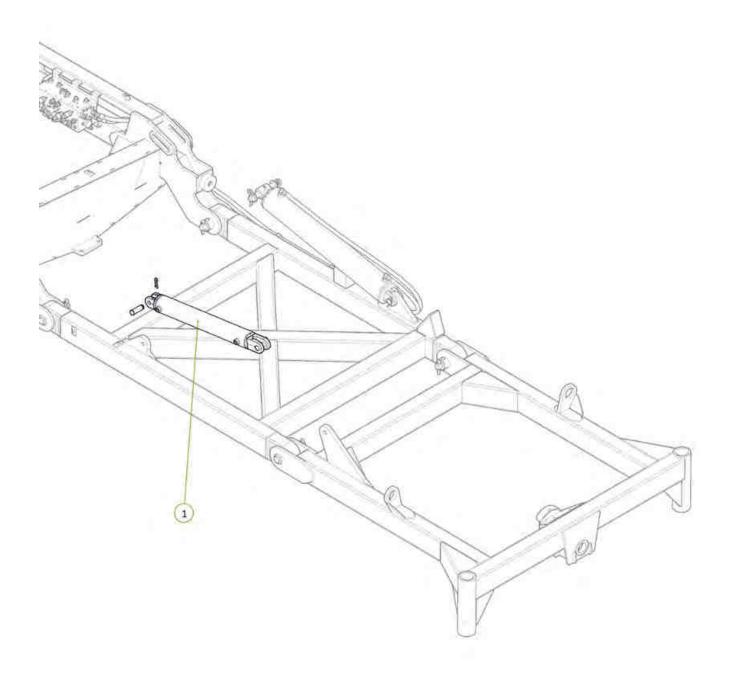


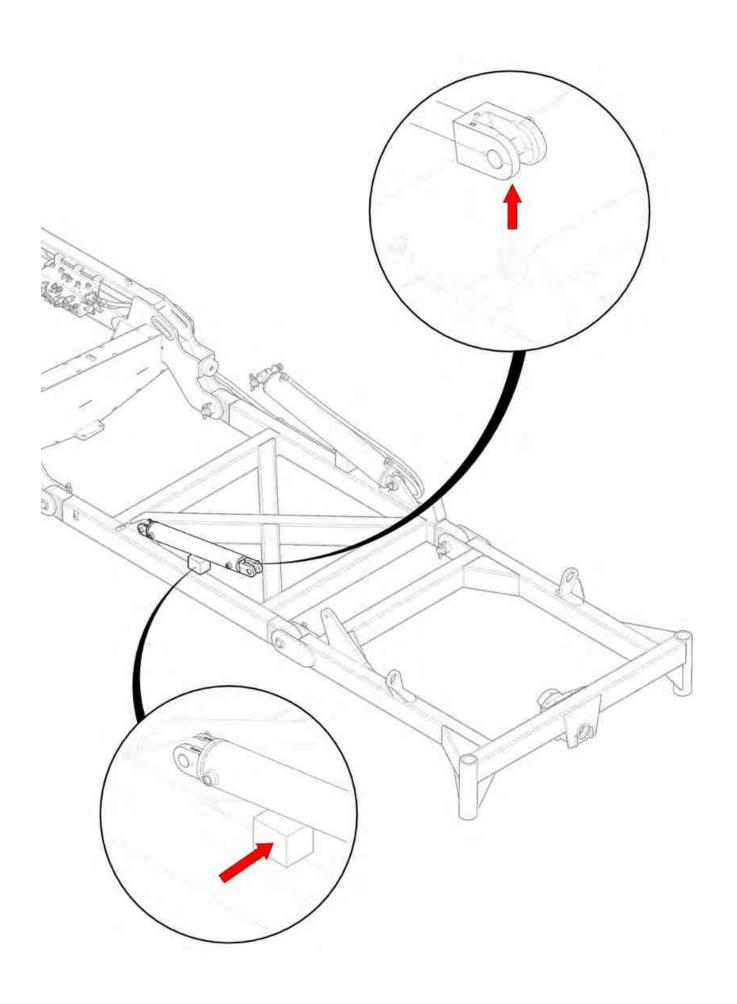




| Item No. | Description                                       | Qty | Number      |
|----------|---|-----|-------------|
| 1        | 3.5" Bore 24" Stroke 1.75" Rod Hydraulic Cylinder | 1   | 0311-3524SP |



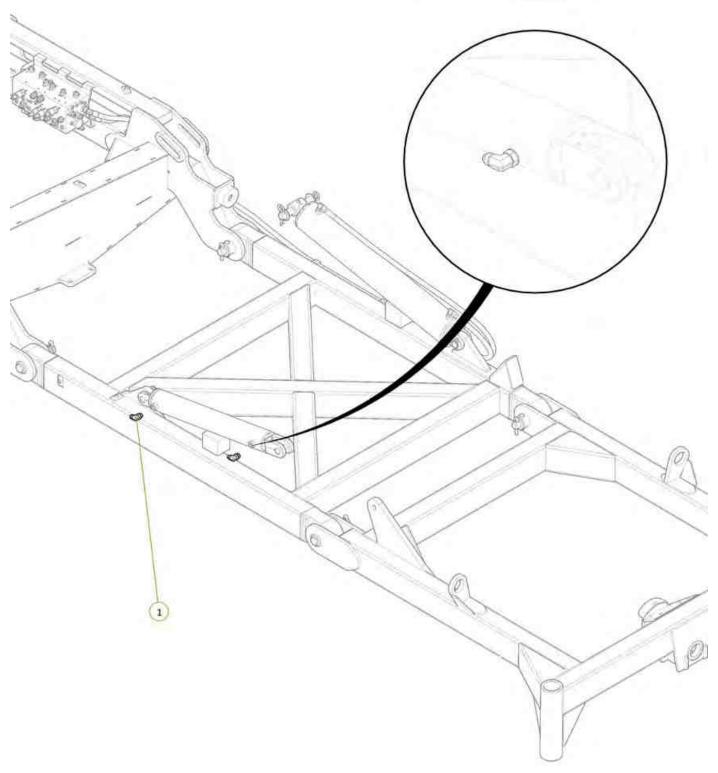




| Item No. | Description                                 | Qty | Number        |
|----------|---|-----|---------------|
| 1        | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2   | 0323-S91-1212 |



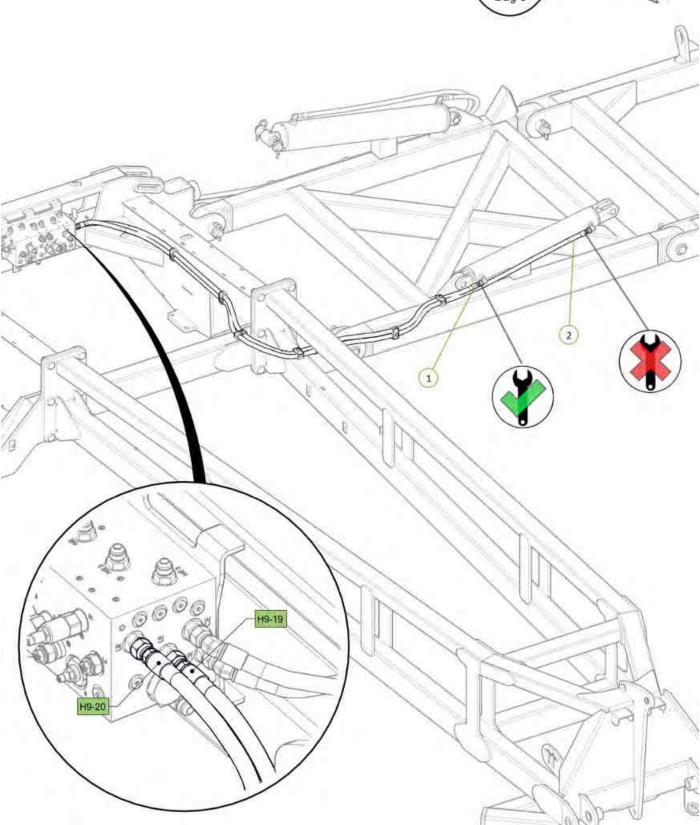




| Item No. | Description                                    | Qty | Number |
|----------|--|-----|--------|
| 1        | LE Port to LH Outer Wing Cylinder Extend Port  | 1   | H9-19  |
| 2        | LR Port to LH Outer Wing Cylinder Retract Port | 1   | H9-20  |

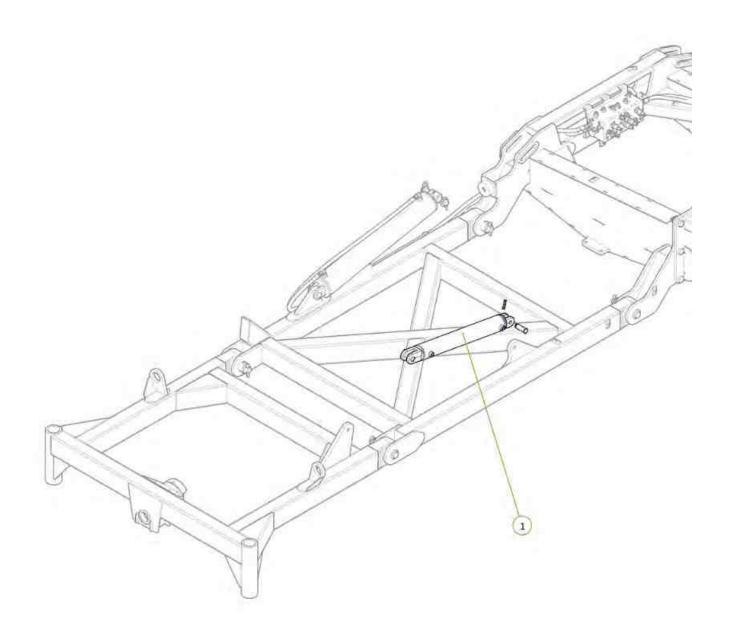


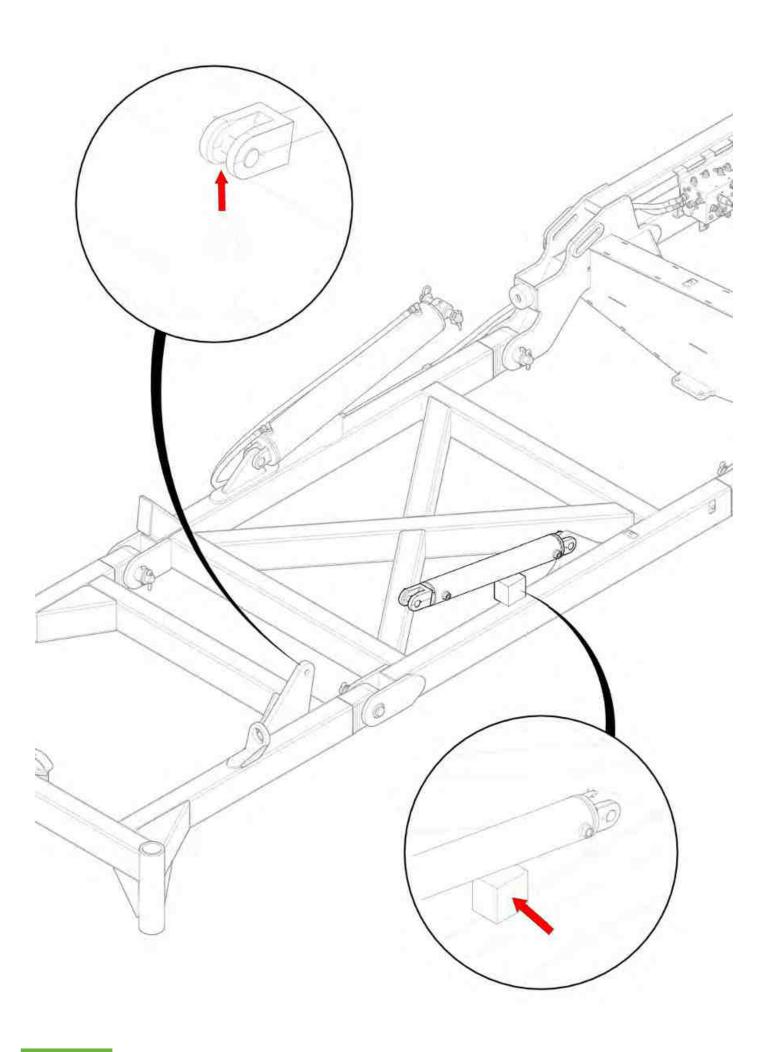




| Item No. | Description                                       | Qty | Number      |
|----------|---|-----|-------------|
| 1        | 3.5" Bore 24" Stroke 1.75" Rod Hydraulic Cylinder | 1   | 0311-3524SP |



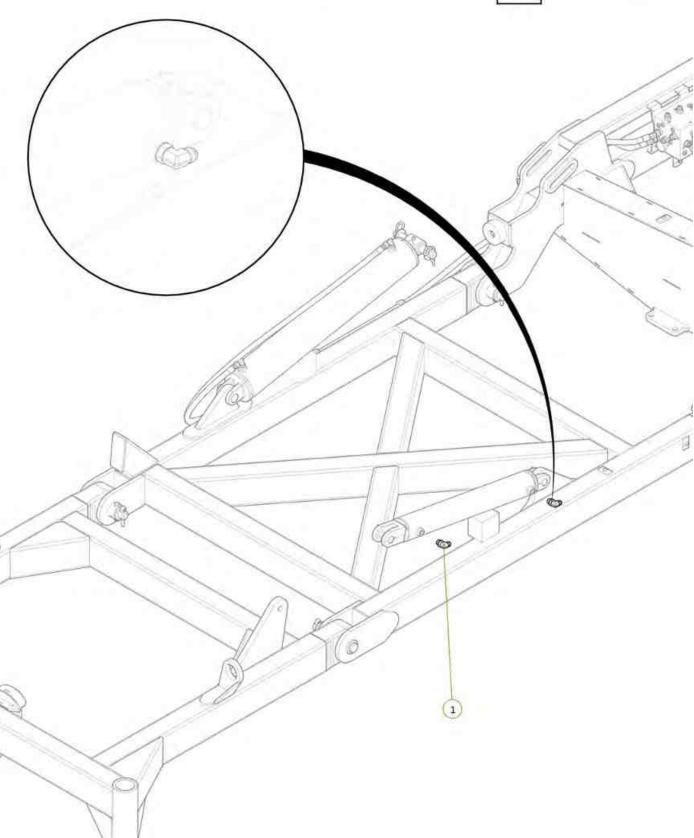




| Item No. | Description                                 | Qty | Number        |
|----------|---|-----|---------------|
| 1        | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2   | 0323-591-1212 |



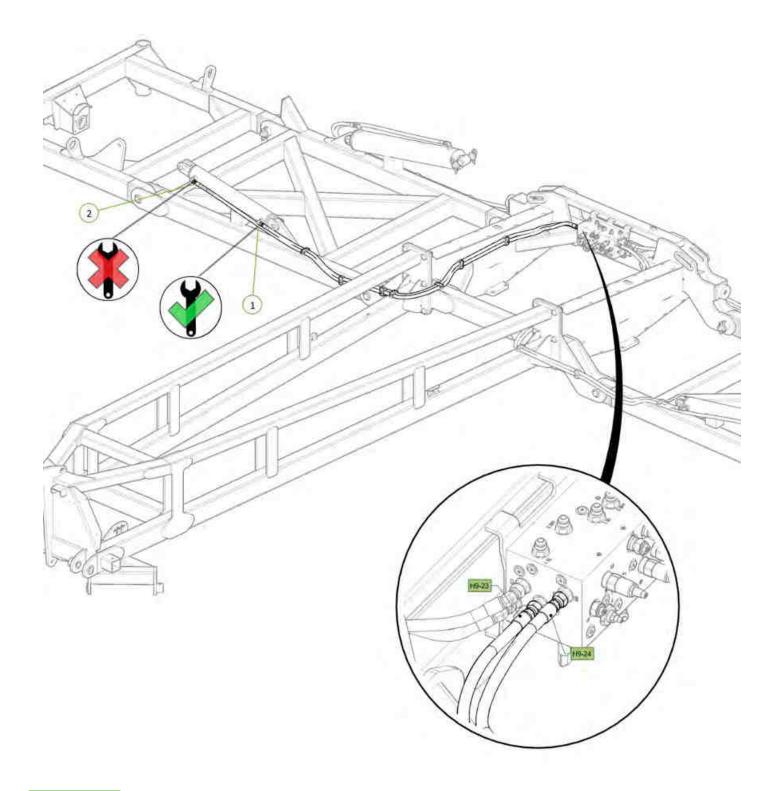


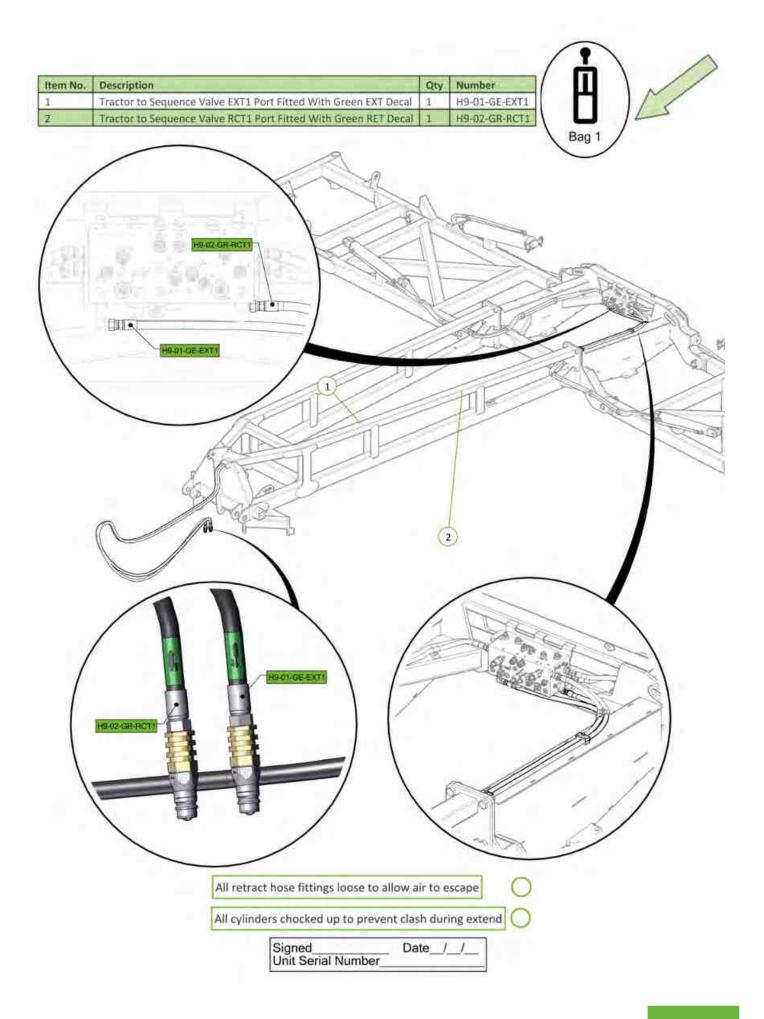


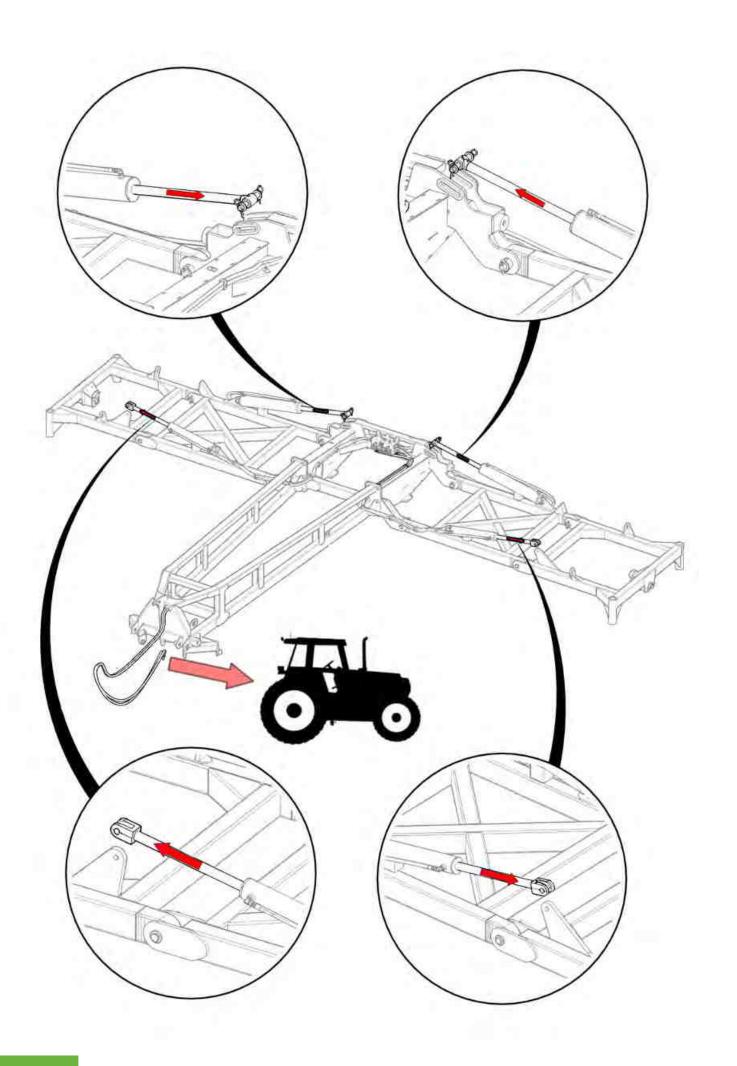
| Item No. | Description                                    | Qty | Number |
|----------|--|-----|--------|
| 1        | RE Port to RH Outer Wing Cylinder Extend Port  | 1   | H9-23  |
| 2        | RR Port to RH Outer Wing Cylinder Retract Port | 1   | H9-24  |

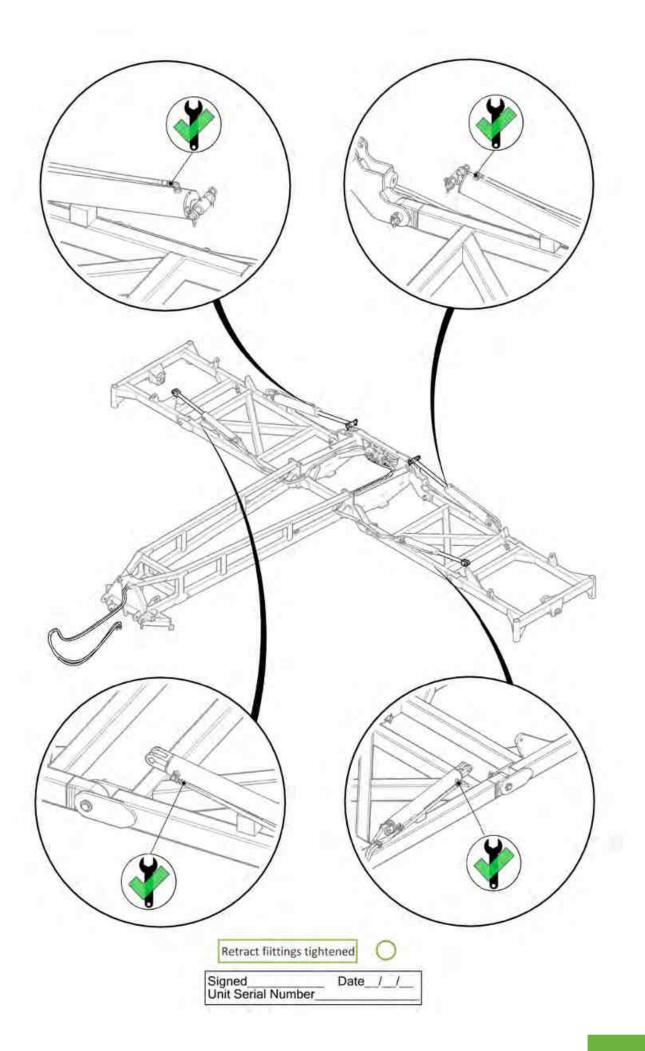


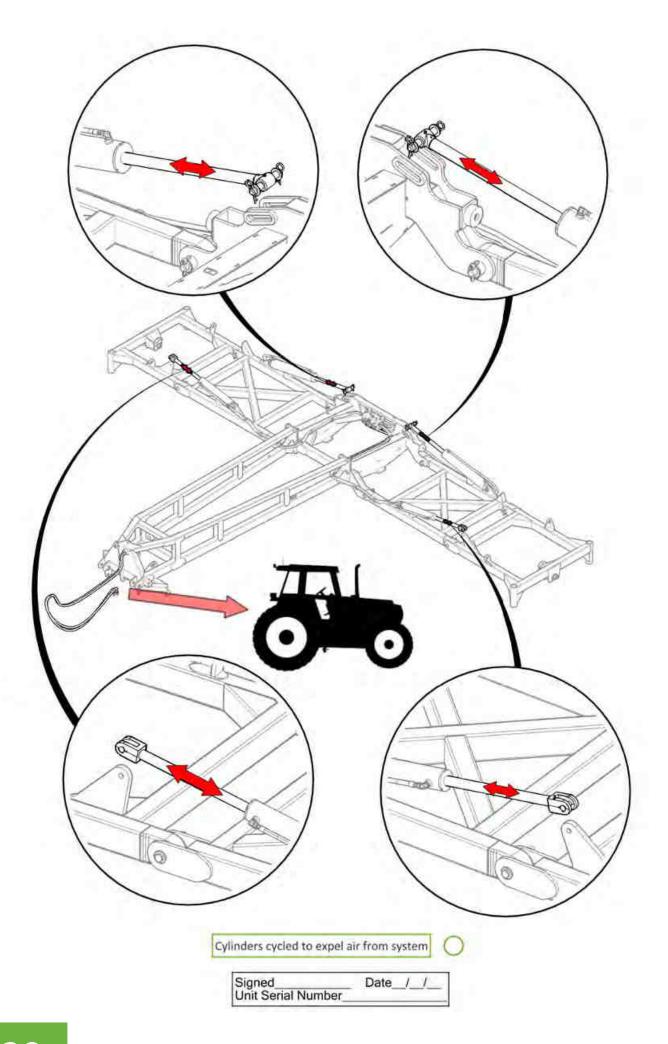


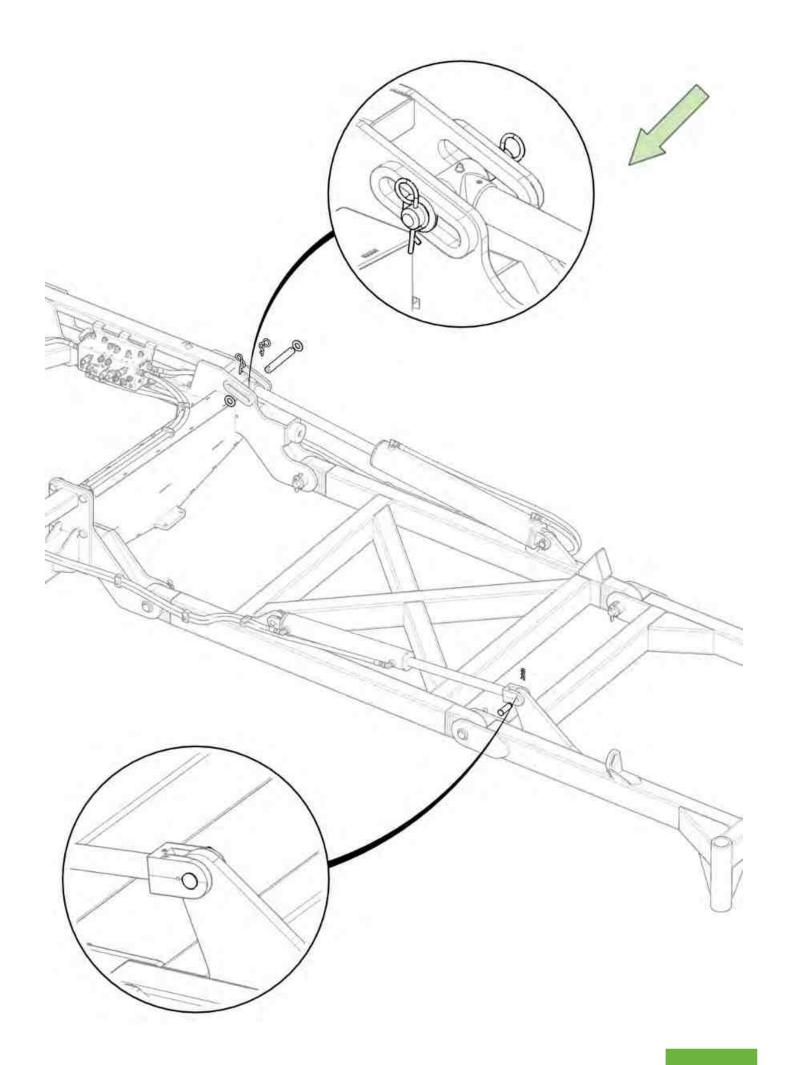


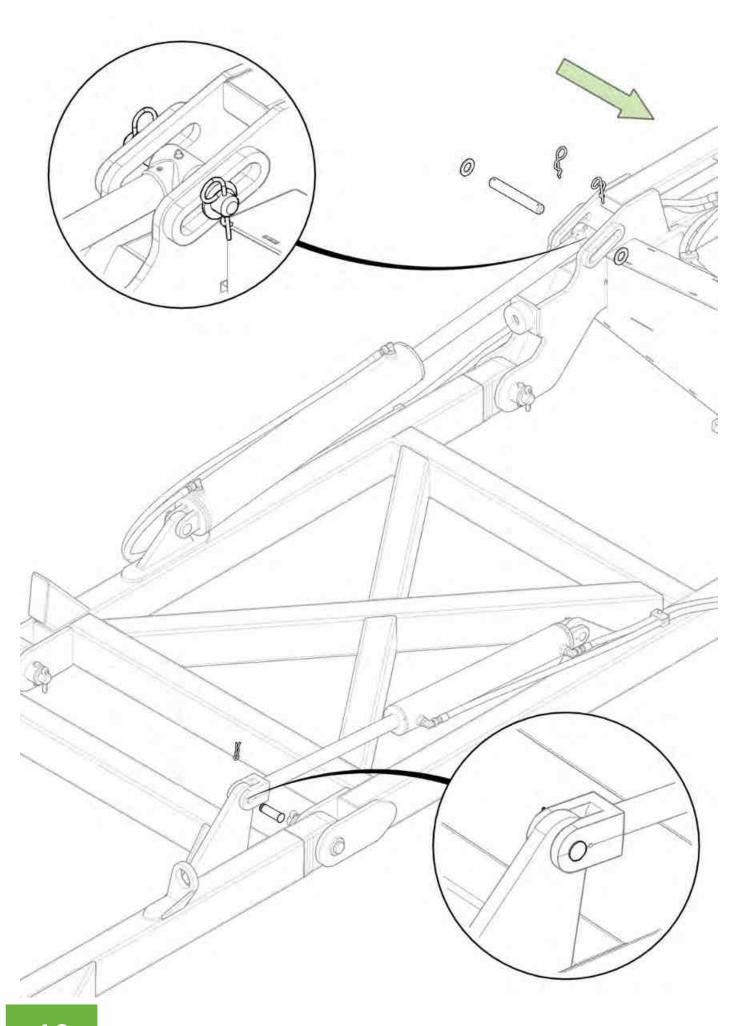








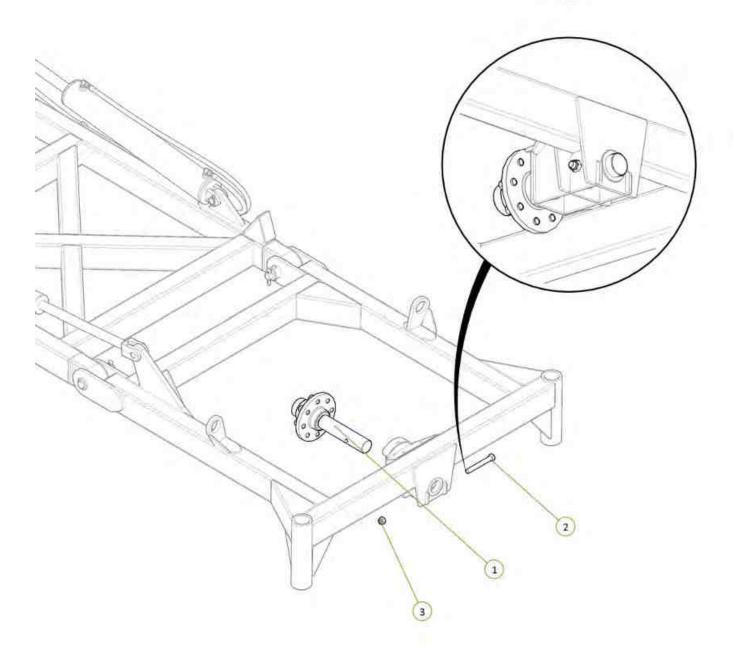




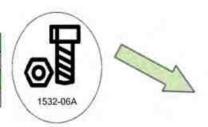
| Item No. | Description                                    | Qty | Number          |
|----------|--|-----|-----------------|
| 1        | 2.75"R 6 Tonne 8 on 8" PCD Hub & Stub Complete | 1   | 0733-SH27596880 |
| 2        | M20 x 170 grade 8.8 ZP Bolt                    | 1   | 0211-20170      |
| 3        | Nyloc Nut M20                                  | 1   | 0221-NYL20      |

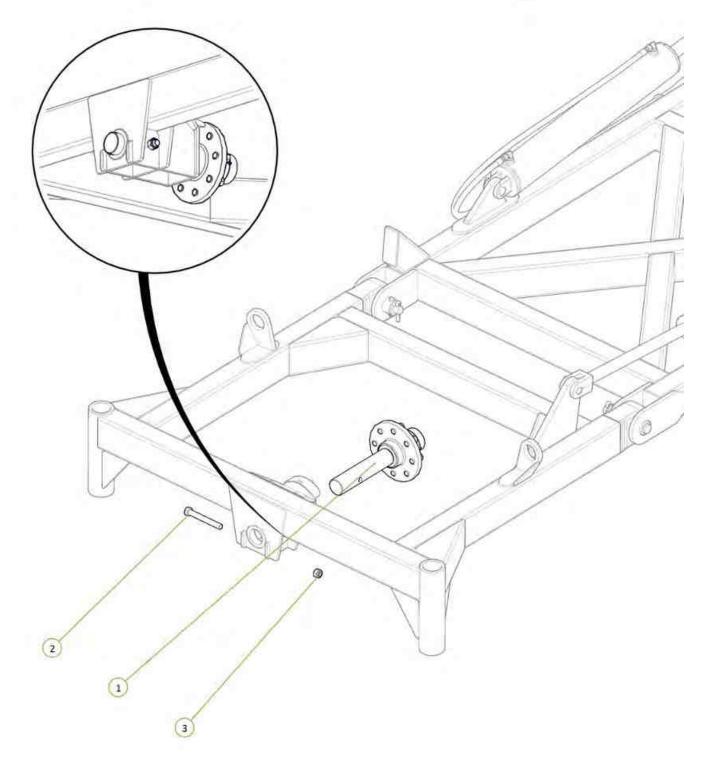






| Item No. | Description                                    | Qty | Number          |
|----------|--|-----|-----------------|
| 1        | 2.75"R 6 Tonne 8 on 8" PCD Hub & Stub Complete | 1   | 0733-SH27596880 |
| 2        | M20 x 170 grade 8.8 ZP Bolt                    | 1   | 0211-20170      |
| 3        | Nyloc Nut M20                                  | 1   | 0221-NYL20      |

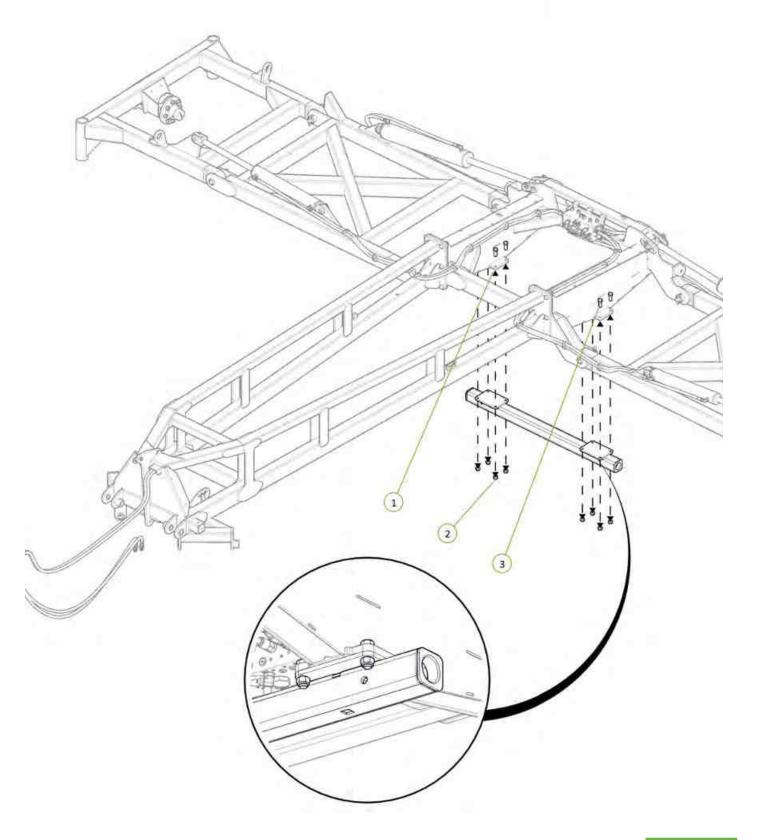




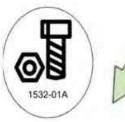
| item No. | Description                | Qty | Number     |
|----------|----------------------------|-----|------------|
| 1        | 9m Gen2 Axle Beam          | 1   | 1532-11-2  |
| 2        | Nyloc Nut M20              | 8   | 0221-NYL20 |
| 3        | M20 x 65 grade 8.8 ZP Bolt | 8   | 0211-2060  |



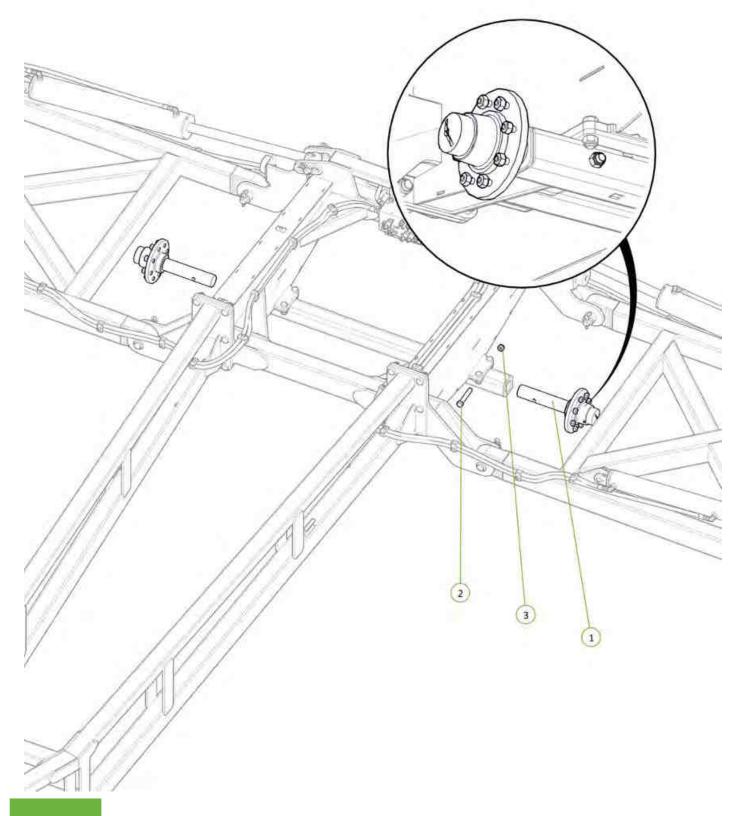




| Item No. | Description                                    | Qty | Number          |
|----------|--|-----|-----------------|
| 1        | 2.75"R 6 Tonne 8 on 8" PCD Hub & Stub Complete | 2   | 0733-SH27596880 |
| 2        | M20 x 130 grade 8.8 ZP Bolt                    | 2   | 0211-20130      |
| 3        | Nyloc Nut M20                                  | 2   | 0221-NYL20      |

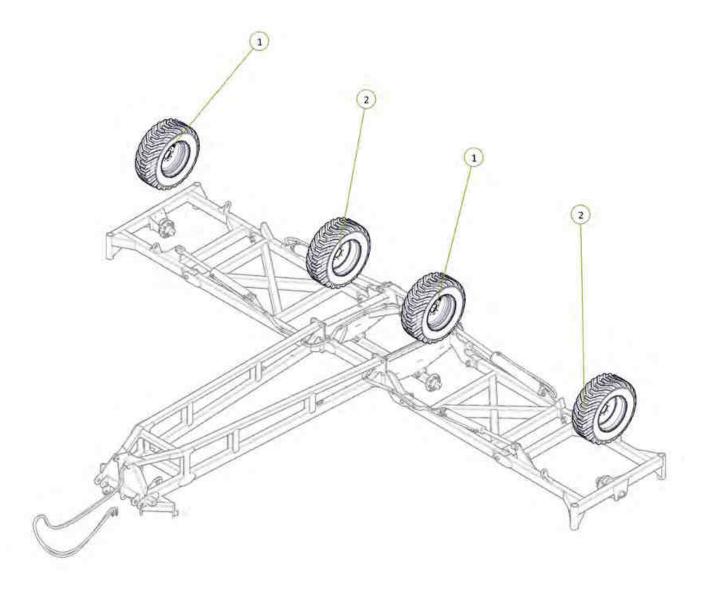






| Item No. | Description                                      | Qty | Number               |
|----------|--|-----|----------------------|
| 1        | 400/55-22.5 Tyre on 8 on 8" PCD Rim (Right Hand) | 2   | 0751-400-55-22.5TR-R |
| 2        | 400/55-22.5 Tyre on 8 on 8" PCD Rim (Left Hand)  | 2   | 0751-400-55-22.5TR-L |

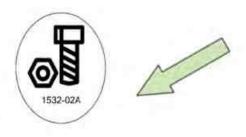


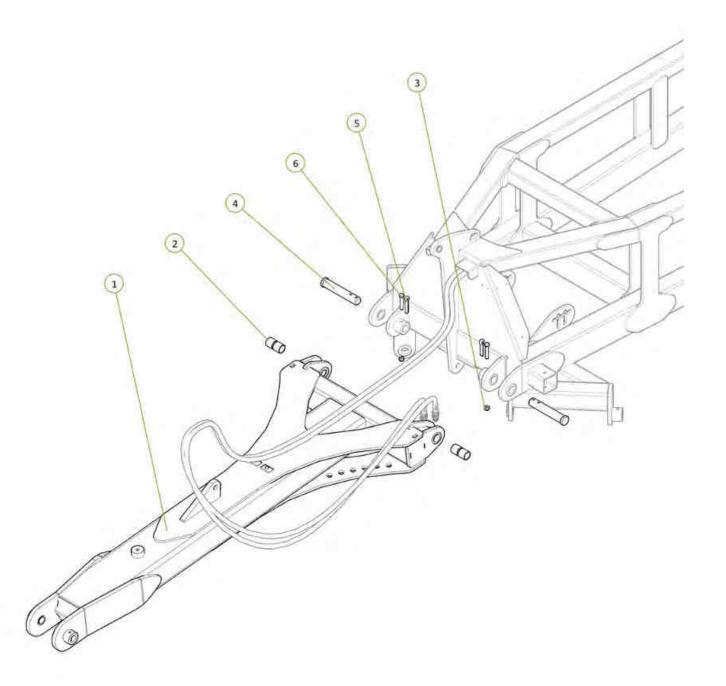


All wheel nuts tightened to 140Nm/100Ft Lb

Signed Date /\_/\_
Unit Serial Number\_

| Item No. | Description                    | Qty | Number        |
|----------|--------------------------------|-----|---------------|
| 1        | Tapered T-Bar Drawbar          | 1   | 1510-08-2     |
| 2        | Drawbar Pivot Bush             | 4   | 0801-B423838  |
| 3        | Nyloc Nut M12                  | 2   | 0221-NYL12    |
| 4        | Walking Axle Linkage Pivot Pin | 2   | 1601-P38-220  |
| 5        | Cotter Pin M13 x 63            | 2   | 0261-PINC1363 |
| 6        | M12 x 75 grade 8.8 ZP Bolt     | 2   | 0211-1275     |

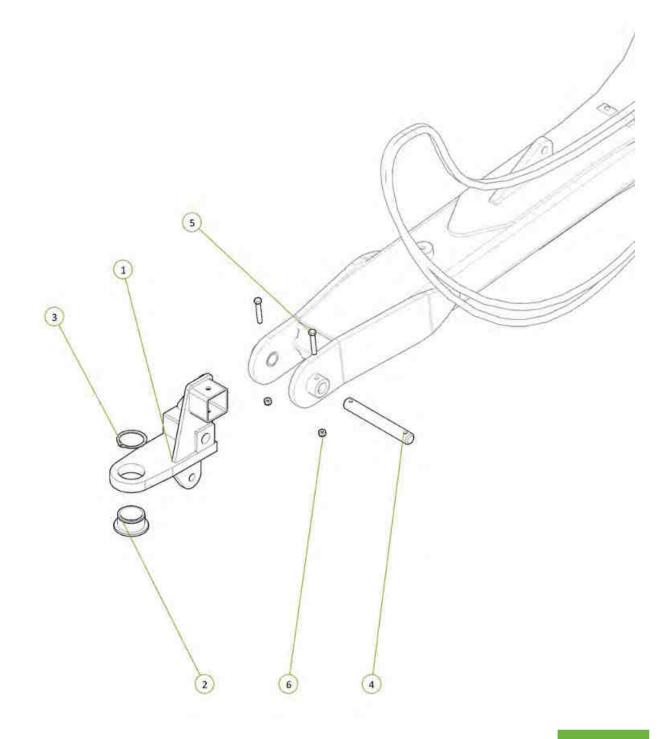




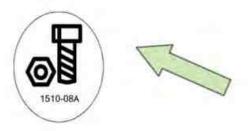
| Item No. | Description                    | Qty | Number           |
|----------|--------------------------------|-----|------------------|
| 1        | Tow Hitch                      | 1   | 0810-09          |
| 2        | Hardened Tow Hitch Bush 2 1/4" | 1   | 0801-KE-0905-1-B |
| 3        | Criclip External 82mm          | 1   | 0172-D1400-0820  |
| 4        | Tow Hitch Pivot Pin            | 1   | 0801-10-06       |
| 5        | M12 x 75 grade 8.8 ZP Bolt     | 2   | 0211-1275        |
| 6        | Nyloc Nut M12                  | 2   | 0221-NYL12       |

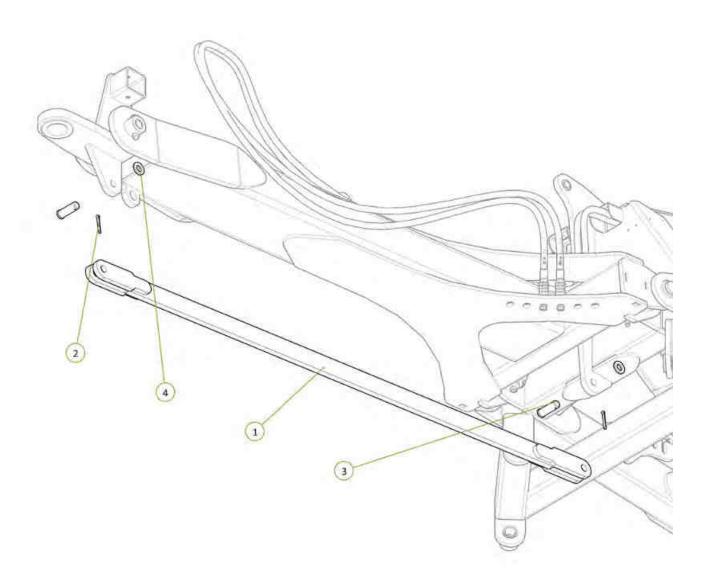




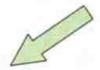


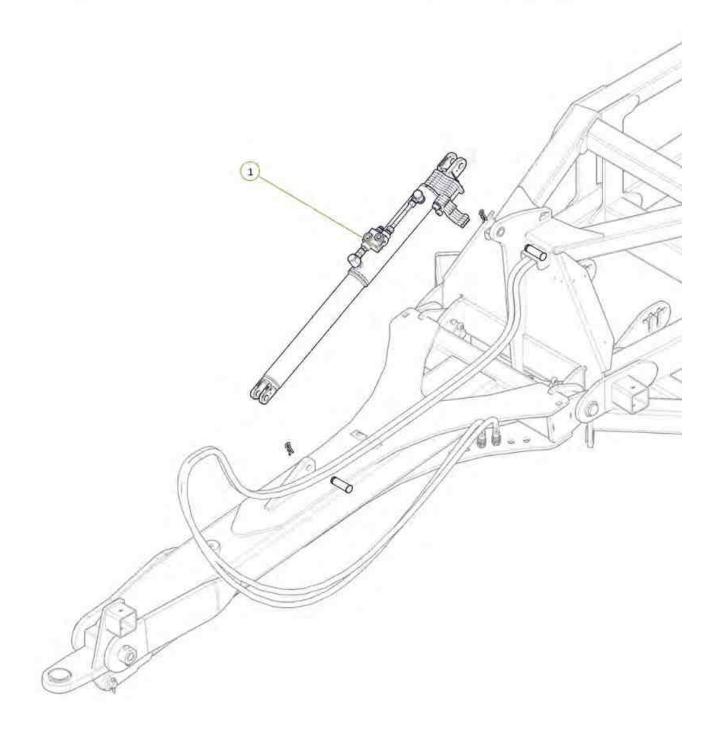
| Item No. | Description            | Qty | Number        |
|----------|------------------------|-----|---------------|
| 1        | Parallel Arm           | 1   | 0810-22       |
| 2        | Cotter Pin M6 x 50mm   | 2   | 0261-PINC650  |
| 3        | Clevis Pin 25mm x 75mm | 2   | 0801-KE0307-1 |
| 4        | Washer Flat M24        | 2   | 0231-F24      |

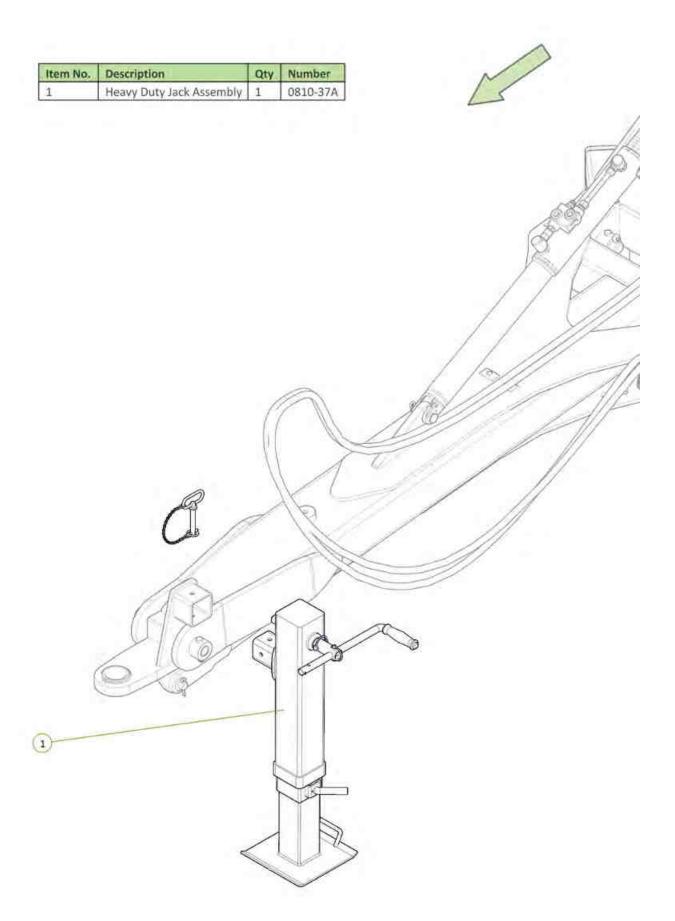




| Item No. | Description   | Qty | Number      |
|----------|---|-----|-------------|
| 1        | 3" Bore x 12" Stroke 1.5" Rod Extended Hydraulic Cylinder | 1   | 0311-312EXT |

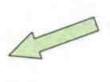


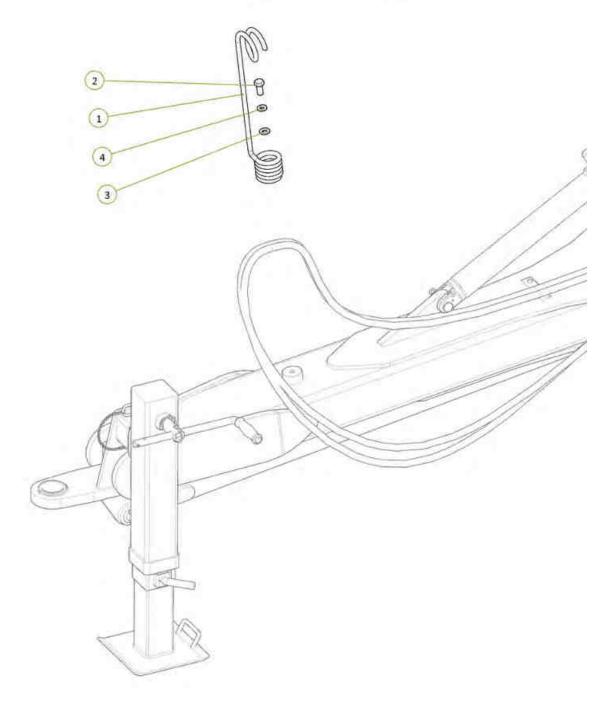


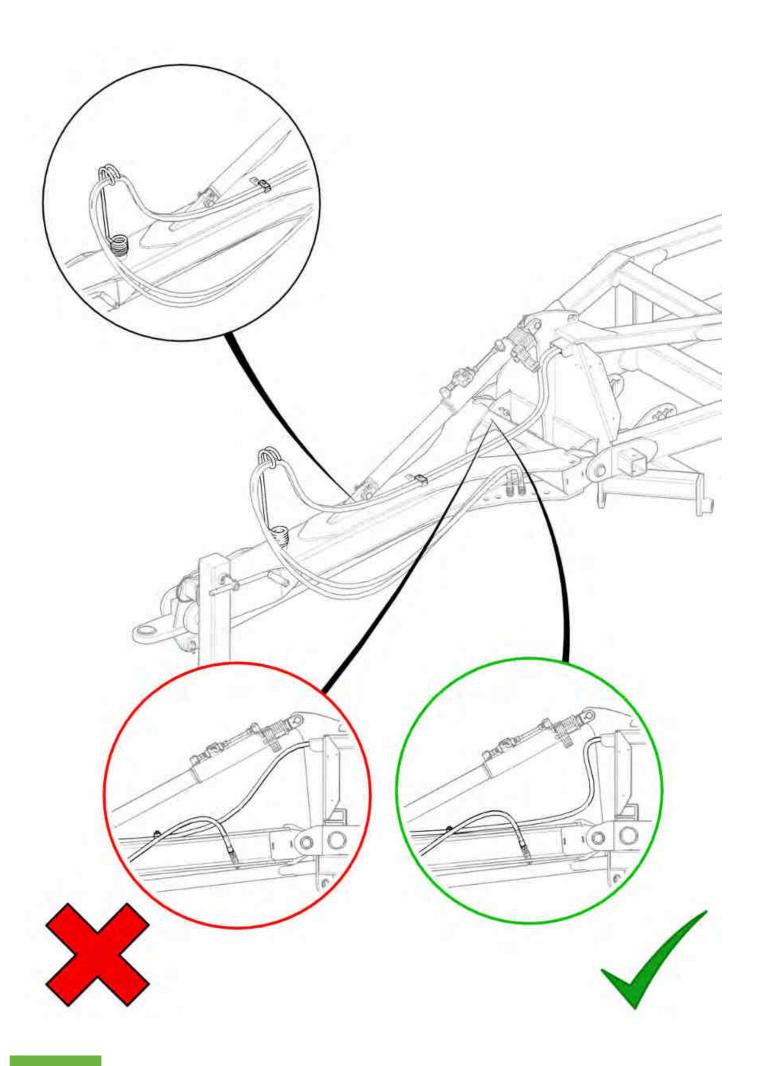


| Item No. | Description                | Qty | Number           |
|----------|----------------------------|-----|------------------|
| 1        | Hose Post Spring           | 1   | 1601-CDB-00-0012 |
| 2        | M16 x 35 grade 8.8 zp Bolt | 1   | 0211-1635        |
| 3        | Washer Flat M16            | 1   | 0231-F16         |
| 4        | Washer Spring M16          | 1   | 0231-S16         |





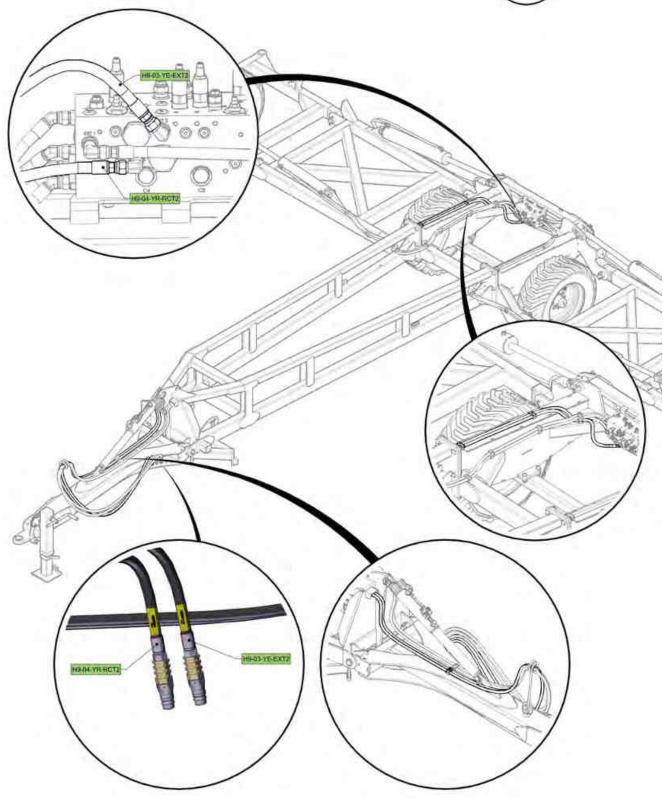


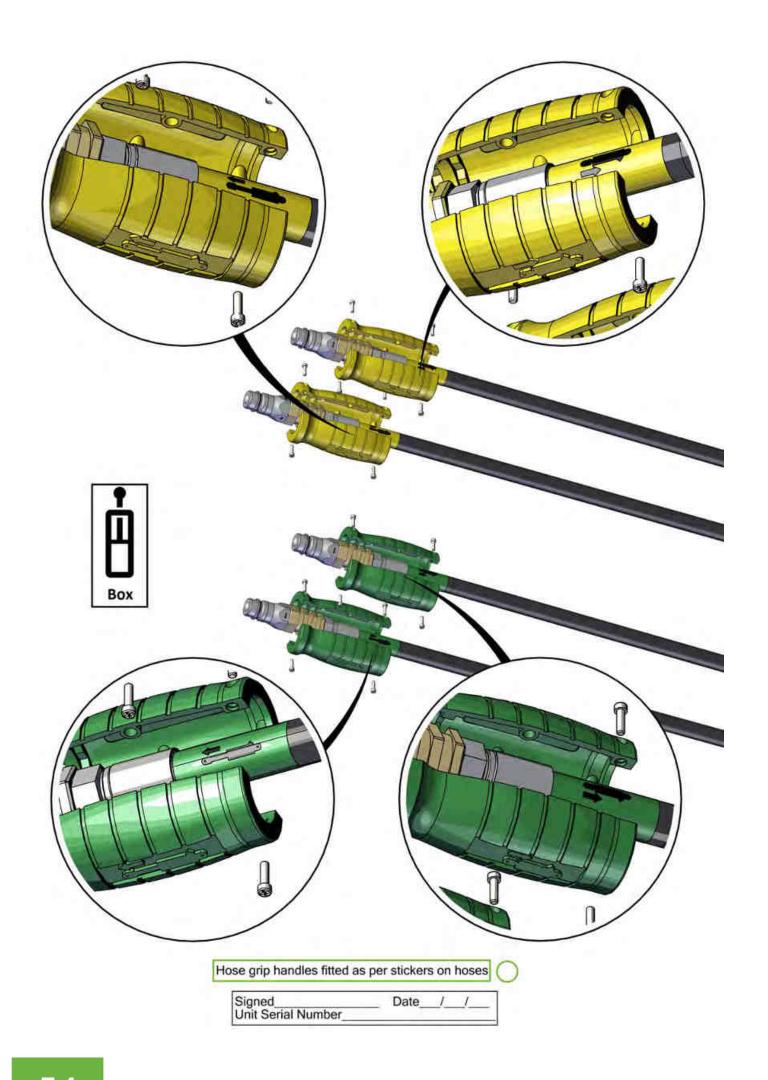


| Item No. | Description  | Otto | Number        |
|----------|--|------|---------------|
| 1        | Tractor to Sequence Valve EXT2 Port Fitted With Yellow EXT Decal | 1    | H9-03-YE-EXT2 |
| 2        | Tractor to Sequence Valve RTC2 Port Fitted With Yellow RTC Decal | 1    | H9-04-YR-RCT2 |

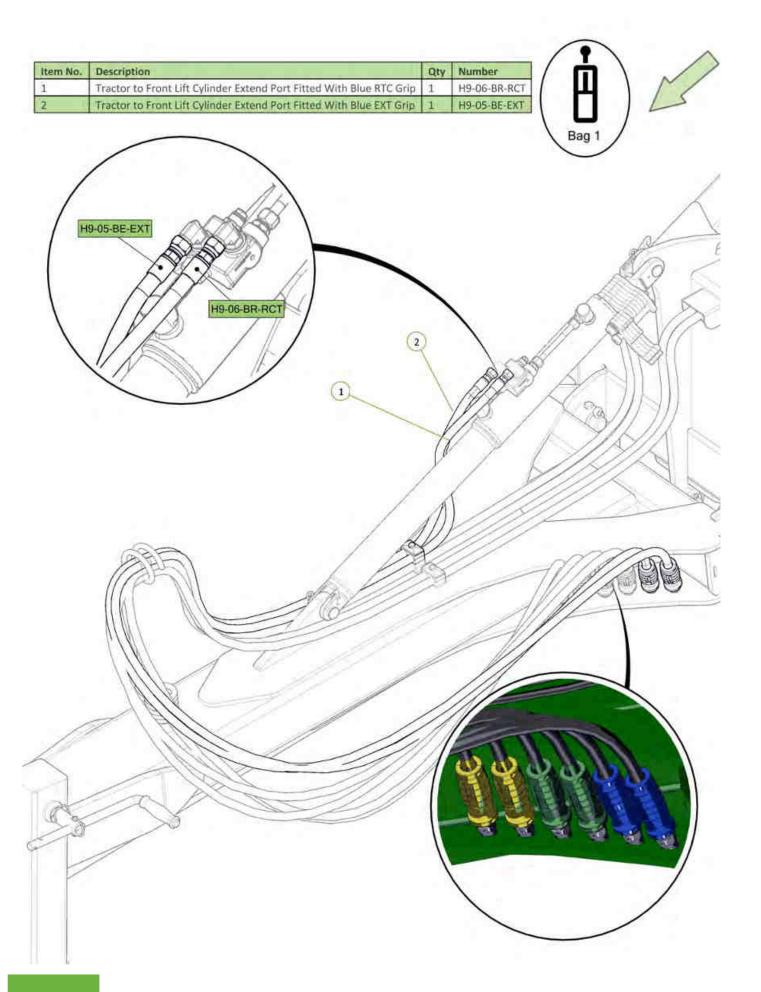




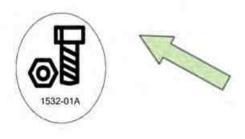


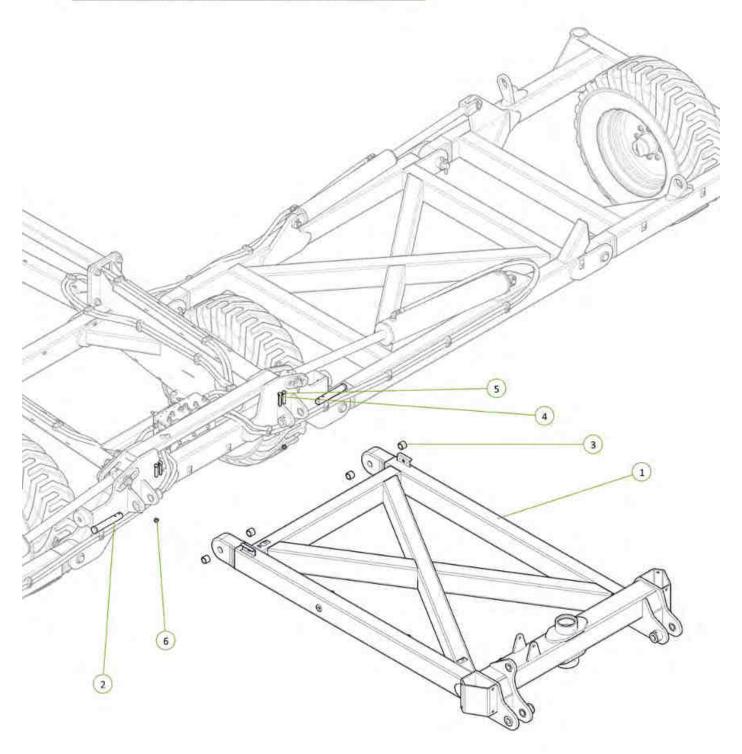


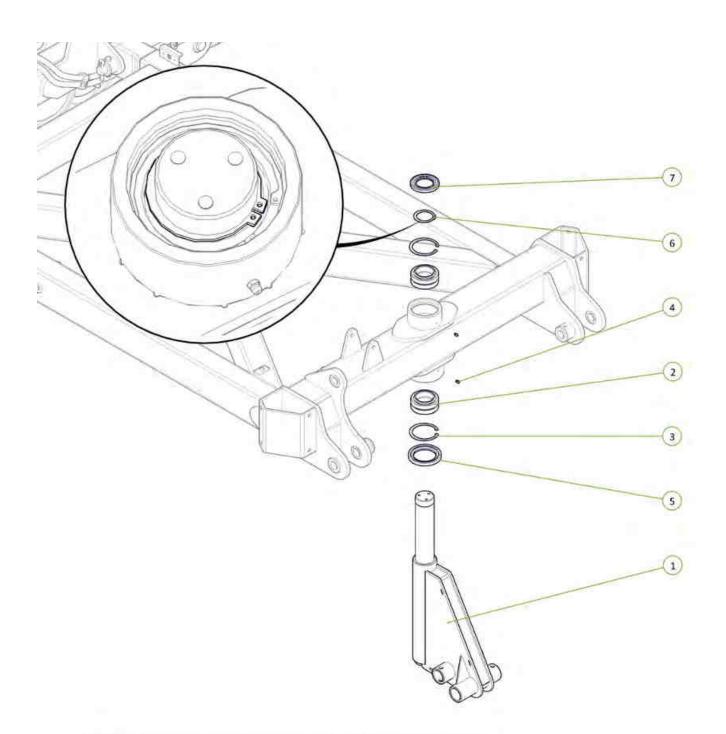
| tem No. | Description 3/4" JIC Male 3/4" UN O Ring M | ale 90° Elbow 2 | Number<br>0323-591-1212 |     |       |
|---------|--|-----------------|-------------------------|-----|-------|
|         |  |                 |                         | Вох |       |
|         | //   |                 |                         |     |       |
|         |  |                 |                         | 1   | D. C. |
| /       |  |                 |                         | 3   | 363 1 |
| 6       |  |                 |                         |     |       |
|         |  |                 |                         |     |       |
|         |  |                 |                         |     | 1     |
|         | A  |                 |                         |     |       |
|         | G  |                 |                         |     |       |
|         |  |                 |                         |     |       |
|         |  |                 |                         |     |       |
|         |  | A               |                         |     |       |



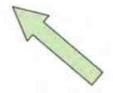
| Item No. | Description                | Qty | Number         |
|----------|----------------------------|-----|----------------|
| 1        | 9m Gen 2 Rear A-Frame      | 1   | 1532-03        |
| 2        | PCH Wing Pivot Pin         | 2   | 0801-10-08-235 |
| 3        | 35 ID x 30mm DU Bush       | 4   | 0113-MB 3530DU |
| 4        | Cotter Pin M13 x 63        | 2   | 0261-PINC1363  |
| 5        | M12 x 75 grade 8.8 ZP Bolt | 2   | 0211-1275      |
| 6        | Nyloc Nut M12              | 2   | 0221-NYL12     |







| Item No. | Description                  | Qty | Number             |
|----------|------------------------------|-----|--------------------|
| 1        | 70mm Jockey Wheel (Sleeved)  | 1   | 1610-12-70         |
| 2        | Plain Spherical Bearing 70mm | 2   | 0113-GE70DO-2RS    |
| 3        | Circlip Internal 105mm       | 2   | 0171-J105          |
| 4.       | Grease Nipple 1/4" UNF       | 2   | 0181-GN1-4         |
| 5        | TC Seal 90mm x 125mm x 13mm  | 1   | 0121-TC12681       |
| 6        | Circlip External 70mm        | 1   | 0172-D1400-0700AAP |
| 7        | TC Seal 70mm x 110mm x 10mm  | 1   | 0121-TC12654       |
|          |                              | -   |                    |



Circlip fitted to Jockey Wheel shaft



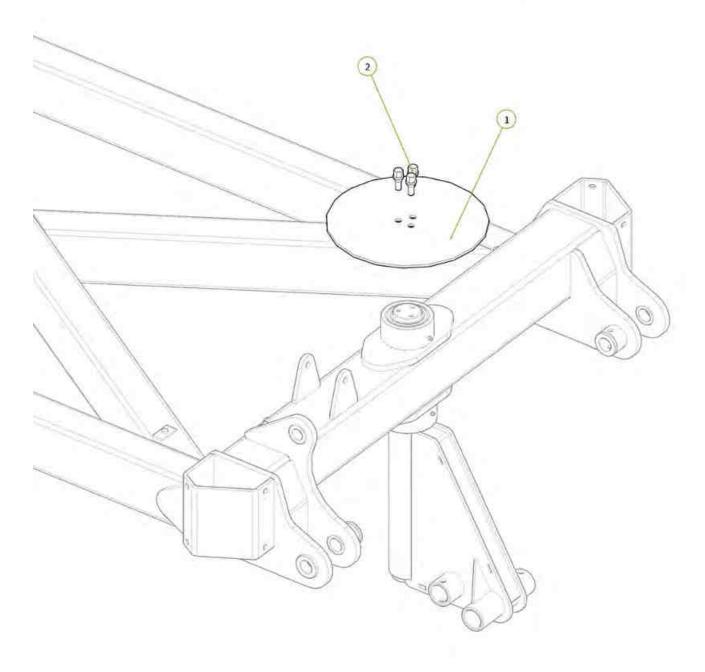
| Signed              | Date / / |
|---------------------|----------|
| Unit Serial Number_ |          |



| Item No. | Description         | Qty | Number      |
|----------|---------------------|-----|-------------|
| 1        | Brake Disc          | 1   | 1600-405    |
| 2        | M12 x 24 Wheel Bolt | 3   | 0216-WB1224 |



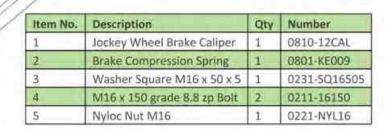


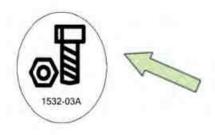


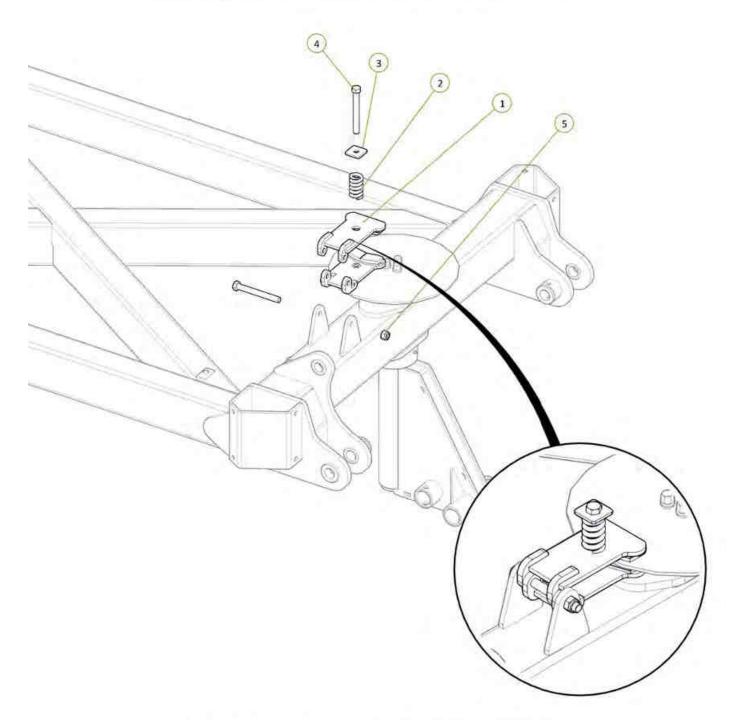
Wheel bolts torqued to 88Nm



| Signed                       | Date     | 1 | 1 |
|------------------------------|----------|---|---|
| Signed<br>Unit Serial Number | 112-200- |   |   |







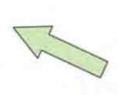
Check tension of brake caliper spring (50-63mm road transport)

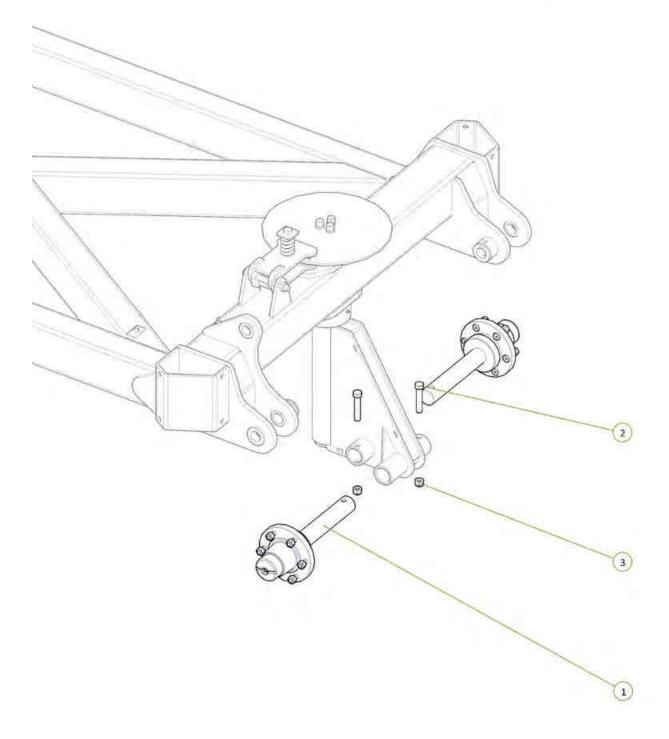
| Signed_<br>Unit Serial Number_ | Date / / |
|--------------------------------|----------|
| Unit Serial Number_            |          |

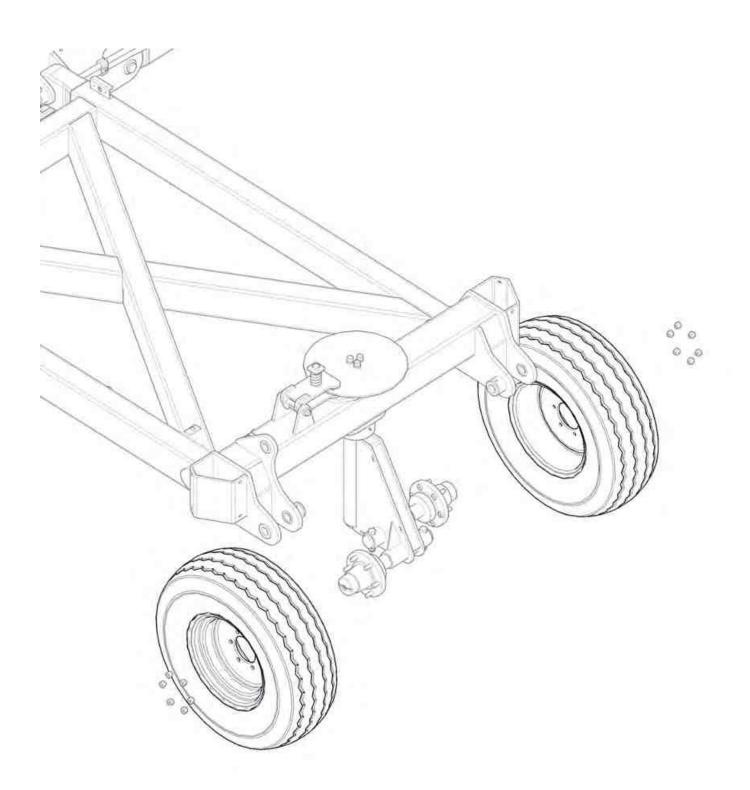


| Item No. | Description                     | Qty | Number         |
|----------|---------------------------------|-----|----------------|
| 1        | Axle 2"R 3T 6 on 6" PCD 330 OHF | 2   | 0733-K5083T66S |
| 2        | M16 x 90 grade 8.8 zp Bolt      | 2   | 0211-1690      |
| 3        | Nyloc Nut M16                   | 2   | 0221-NYL16     |









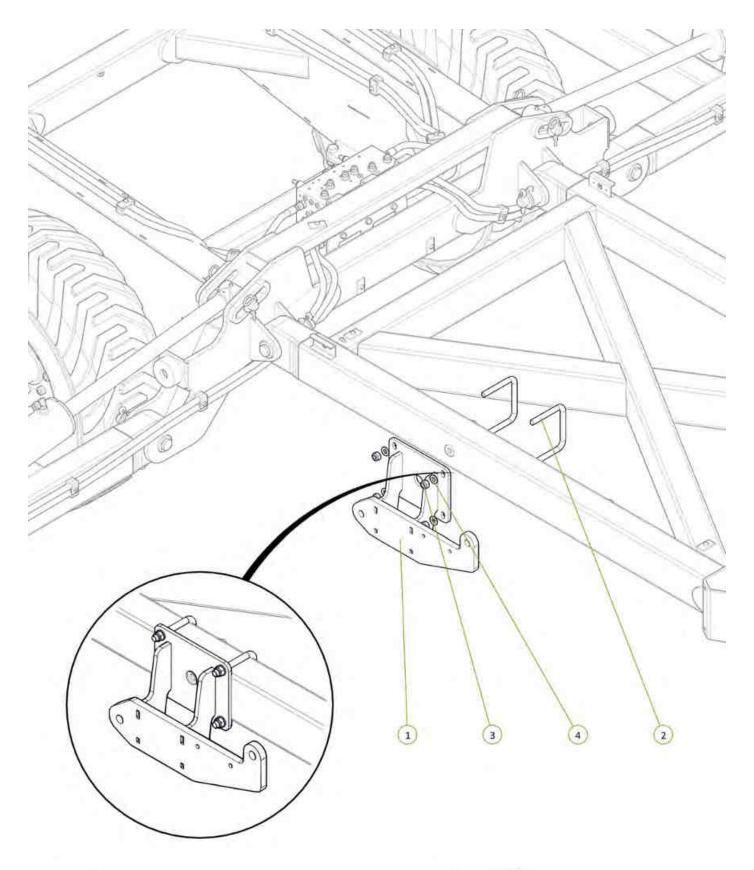
| Item No. | Description                       | Qty | Number     |
|----------|-----------------------------------|-----|------------|
| 1        | 11L15 F3 Tyre on 6 on 6" Stud Rim | 2   | 0751-11L15 |



All wheel nuts tightened to 125Nm / 90Ft lb

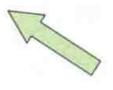


| ite_/_/_ |
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|          |



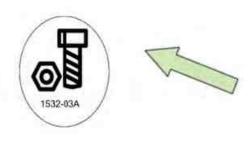
| Item No. | Description                      | Qty | Number        |
|----------|----------------------------------|-----|---------------|
| 1        | Ubolt Module Lift Bracket        | 1   | 1510-41       |
| 2        | U-Bolt M16 x 140 Deep x 154 Wide | 2   | 0271-16140154 |
| 3        | Nyloc Nut M16                    | 4   | 0221-NYL16    |
| 4        | Washer Flat M16                  | 4   | 0231-F16      |

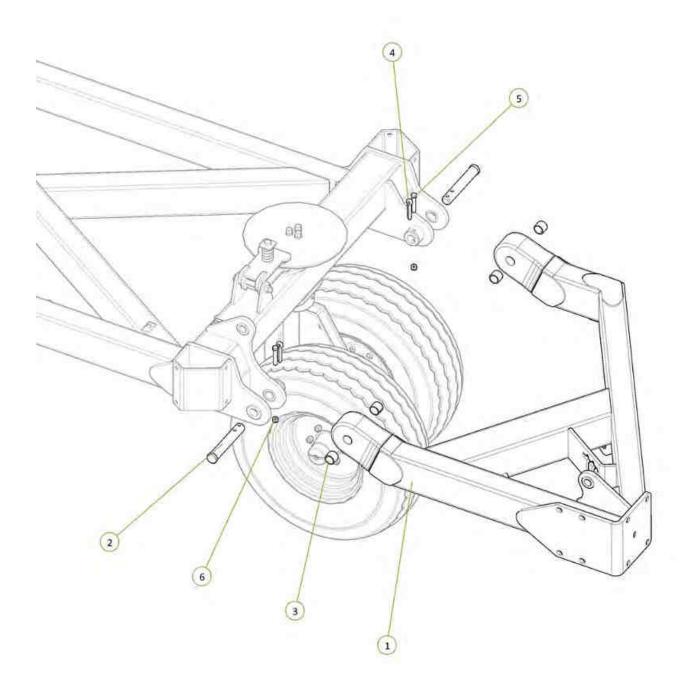


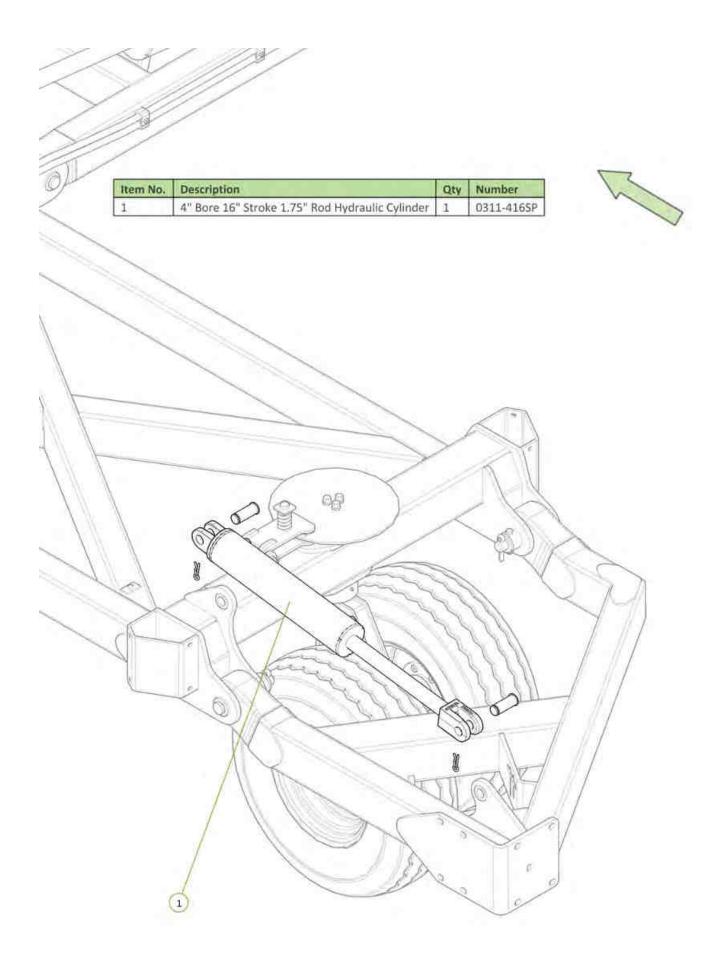


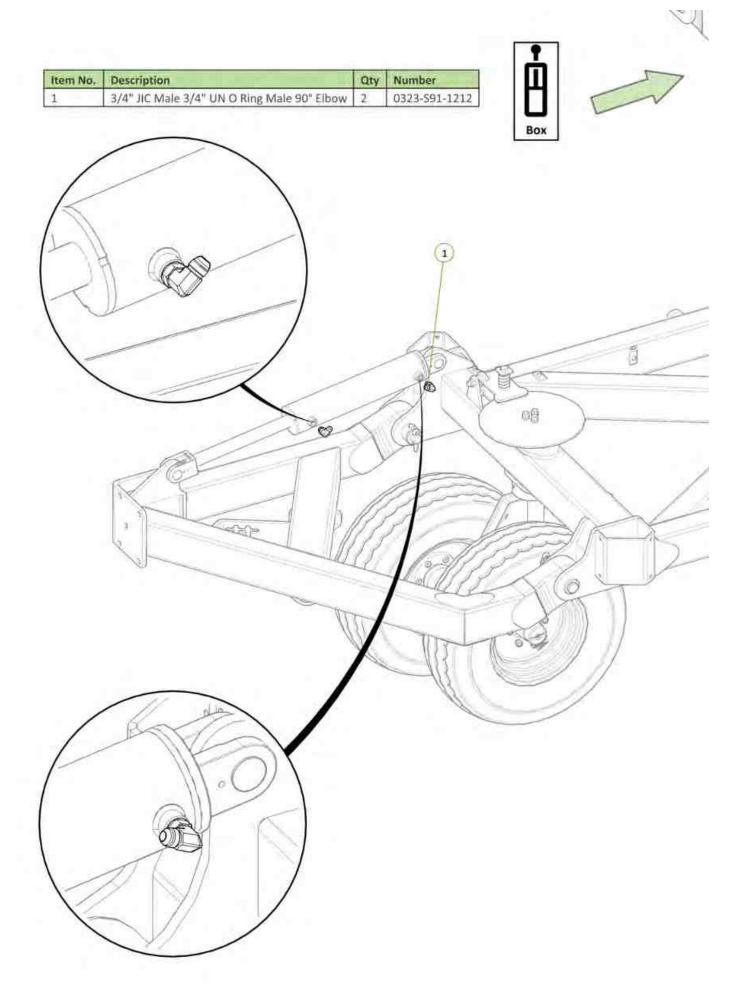


| Item No. | Description                | Qty | Number         |
|----------|----------------------------|-----|----------------|
| 1        | 9m Gen 2 Rear Tail         | 1   | 1532-10        |
| 2        | PCH Wing Pivot Pin         | 2   | 0801-10-08-235 |
| 3        | 35 ID x 30mm DU Bush       | 4   | 0113-MB 3530DU |
| 4        | Cotter Pin M13 x 63        | 2   | 0261-PINC1363  |
| 5        | M12 x 75 grade 8.8 ZP Bolt | 2   | 0211-1275      |
| 6        | Nyloc Nut M12              | 2   | 0221-NYL12     |

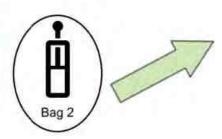


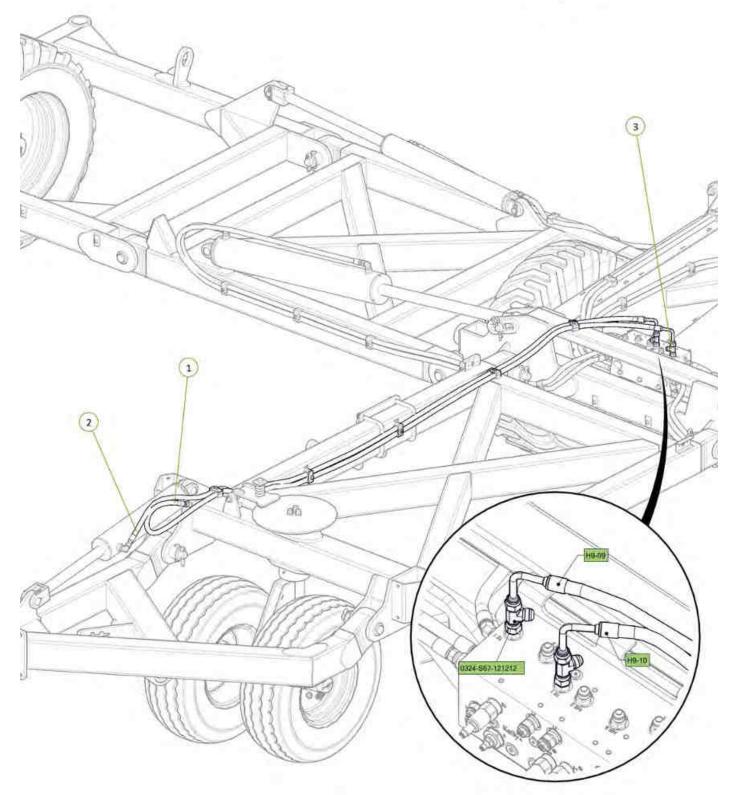


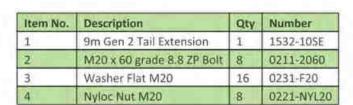


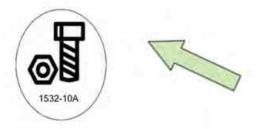


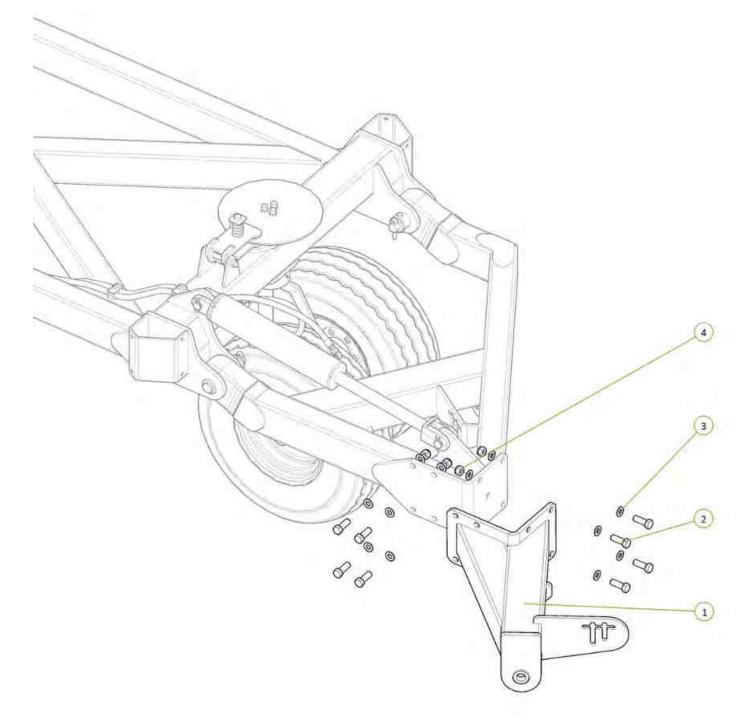
| Item No. | Description                                     | Qty | Number          |
|----------|---|-----|-----------------|
| 1        | TE1 Port to Tail Lift Cylinder Extend Port      | 1   | H9-09           |
| 2        | TR1 Port to Tail Lift Cylinder Retract Port     | 1   | H9-10           |
| 3        | 3/4" JIC Male 3/4" JIC Female 3/4" JIC Male Tee | 2   | 0324-567-121212 |



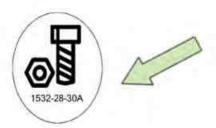


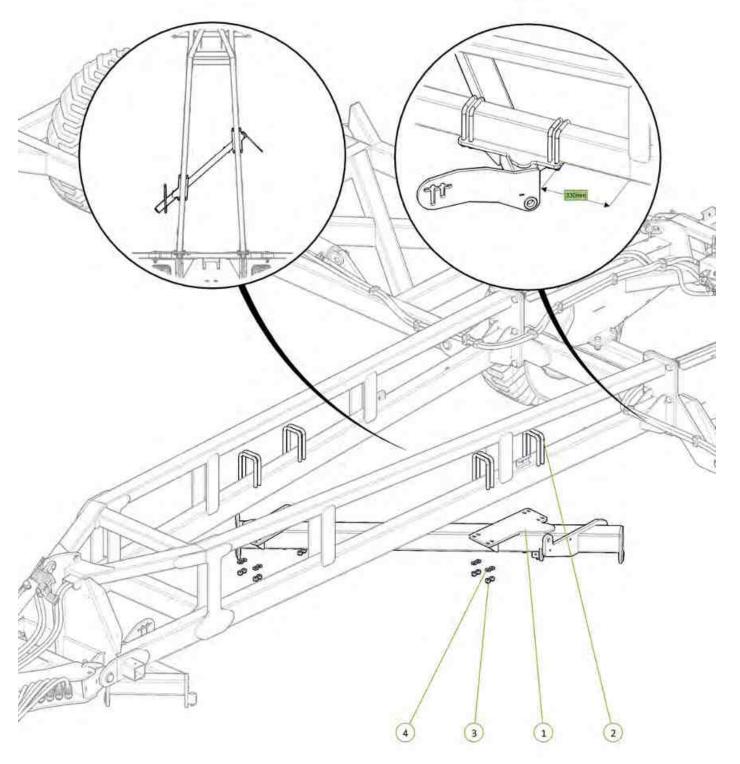


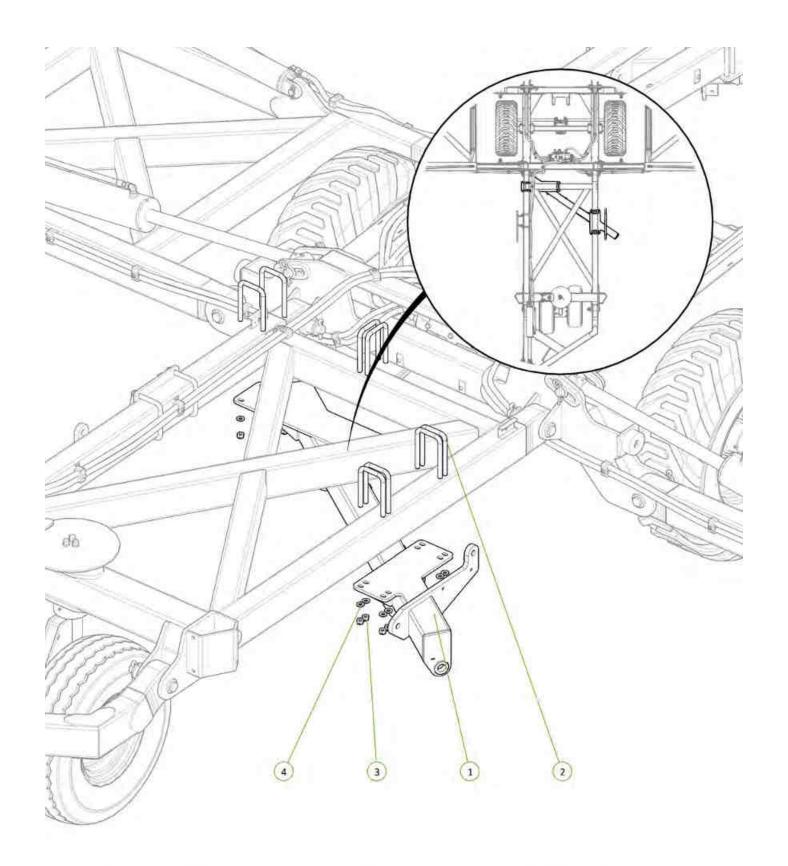




| Item No. | Description                      | Qty | Number        |
|----------|----------------------------------|-----|---------------|
| 1        | 9m Gen 2 Front Module            | 1   | 1532-28-30    |
| 2        | U-Bolt M16 x 185 Deep x 104 Wide | 8   | 0271-16185104 |
| 3        | Nyloc Nut M16                    | 16  | 0221-NYL16    |
| 4        | Washer Flat M16                  | 16  | 0231-F16      |





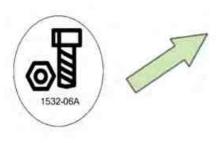


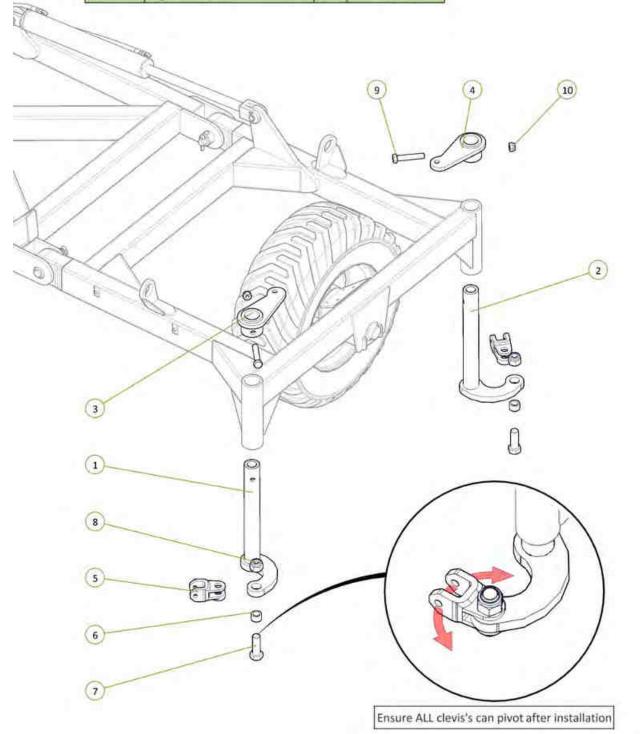
| Item No. | Description                      | Qty | Number        |
|----------|----------------------------------|-----|---------------|
| 1        | 9m Rear Module                   | 1   | 1532-29-30    |
| 2        | U-8olt M16 x 185 Deep x 104 Wide | 8   | 0271-16185104 |
| 3        | Nyloc Nut M16                    | 16  | 0221-NYL16    |
| 4        | Washer Flat M16                  | 16  | 0231-F16      |

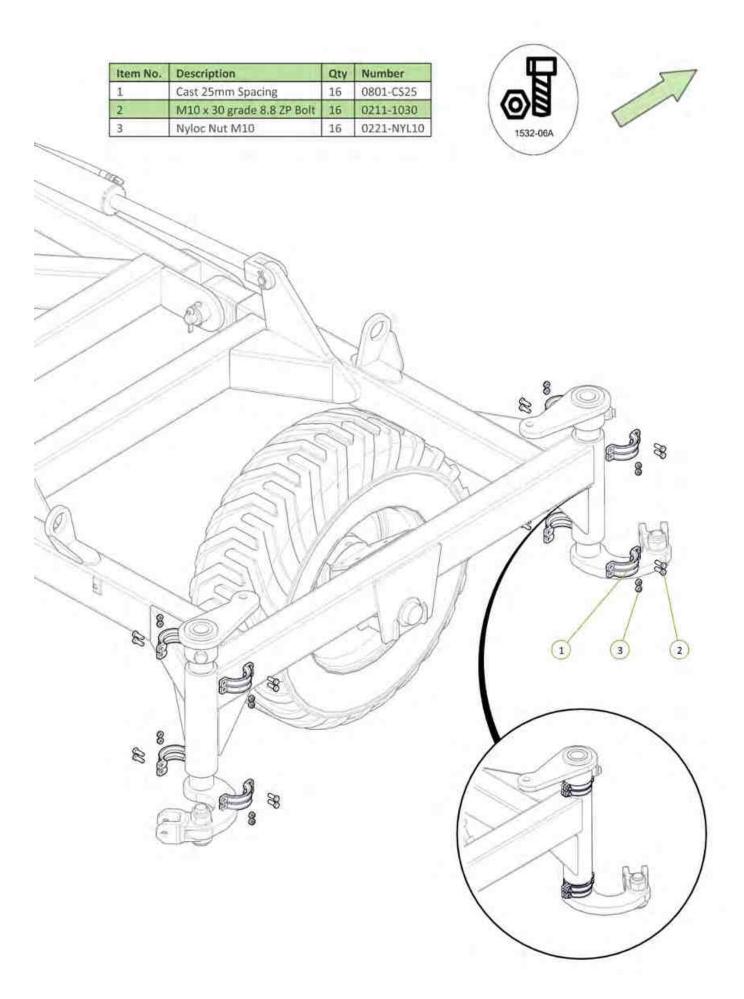


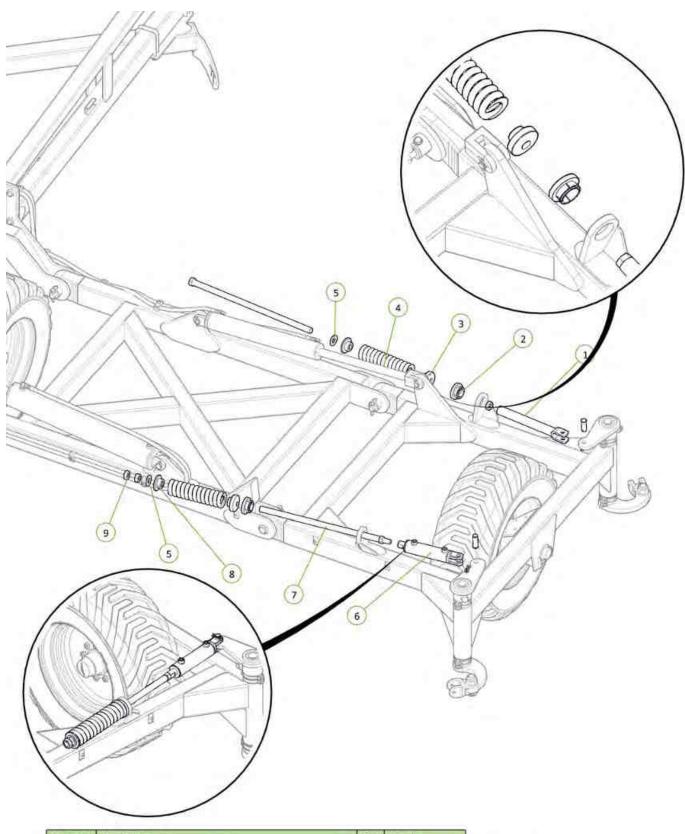


| Item No. | Description                  | Qty | Number         |
|----------|------------------------------|-----|----------------|
| 1        | LH Dropleg No Clevis         | 1   | 0810-24F       |
| 2        | RH Dropleg No Clevis         | 1   | 0810-25F       |
| 3        | LH Chain Adjusting Lug       | 1   | 0810-26        |
| 4        | RH Chain Adjusting Lug       | 1   | 0810-27        |
| 5        | Forged Clevis 21mm Bolt Hole | 2   | 0801-FC21      |
| 6        | Stainless Steel Wear Bush    | 2   | 1501-365033-55 |
| 7        | M36 x 105 grade 8.8 zp Bolt  | 2   | 0211-36105     |
| 8        | Nyloc Nut M36                | 2   | 0221-NYL36     |
| 9        | M24 x 140 grade 8.8 zp Bolt  | 2   | 0211-24140     |
| 10       | Nyloc Nut M24                | 2   | 0221-NYL24     |

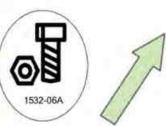


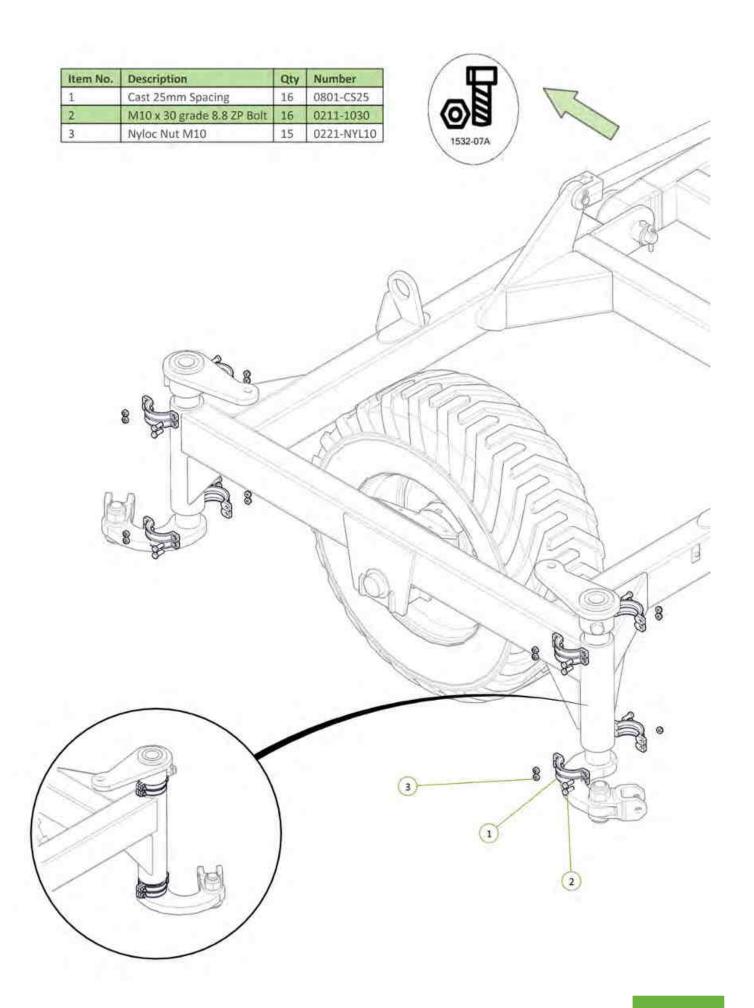




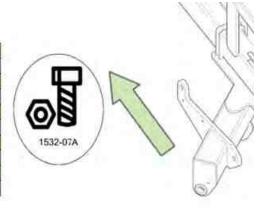


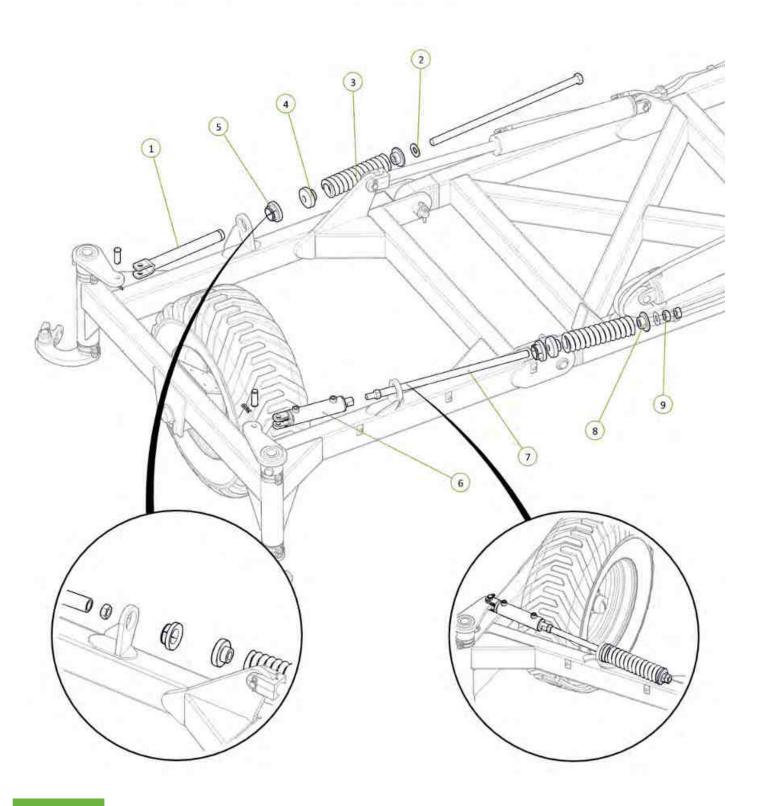
| Item No. | Description   | Qty | Number        |
|----------|---|-----|---------------|
| 1        | Chain Tension Adjustor                                    | 1   | 0802-PCHTA    |
| 2        | Female Spring Locator                                     | 2   | 0801-KE0805-4 |
| 3        | Tensioner Cup - Male                                      | 2   | 0801-KE0805-3 |
| 4        | 20mm Compression Spring                                   | 2   | 0801-XK9261S  |
| 5        | Washer High Tensile 1 1/4"                                | 2   | 0232-HT11-4   |
| 6        | 2.5" Bore x 6" Stroke x 1.5" Rod Side Port Wing Tensioner | 1   | 0311-256SP-WT |
| 7        | ACME Threaded Rod   | 1   | 0810-06       |
| 8        | Steel Spring Retaining Bush                               | 1   | 0801-PCHTA-SB |
| 9        | ACME Lock Nut 1 1/4 - 5NA - 2G                            | 2   | 0801-PCHTA-N6 |





| Item No. | Description   | Qty | Number        |
|----------|---|-----|---------------|
| 1        | Chain Tension Adjustor                                    | 2   | 0802-PCHTA    |
| 2        | Washer High Tensile 1 1/4"                                | 2   | 0232-HT11-4   |
| 3        | 20mm Compression Spring                                   | 2   | 0801-XK9261S  |
| 4        | Tensioner Cup - Male                                      | 2   | 0801-KE0805-3 |
| 5        | Female Spring Locator                                     | 2   | 0801-KE0805-4 |
| 6        | 2.5" Bore x 6" Stroke x 1.5" Rod Side Port Wing Tensioner | 1   | 0311-256SP-WT |
| 7        | ACME Threaded Rod   | 1   | 0810-06       |
| 8        | Steel Spring Retaining Bush                               | 1   | 0801-PCHTA-SB |
| 9        | ACME Lock Nut 1 1/4 - SNA - 2G                            | 2   | 0801-PCHTA-N6 |

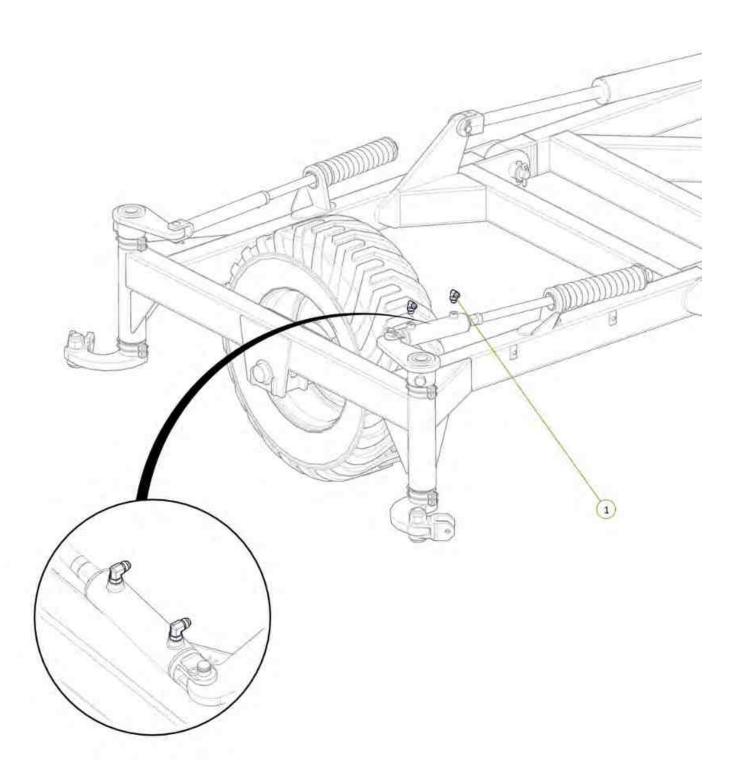


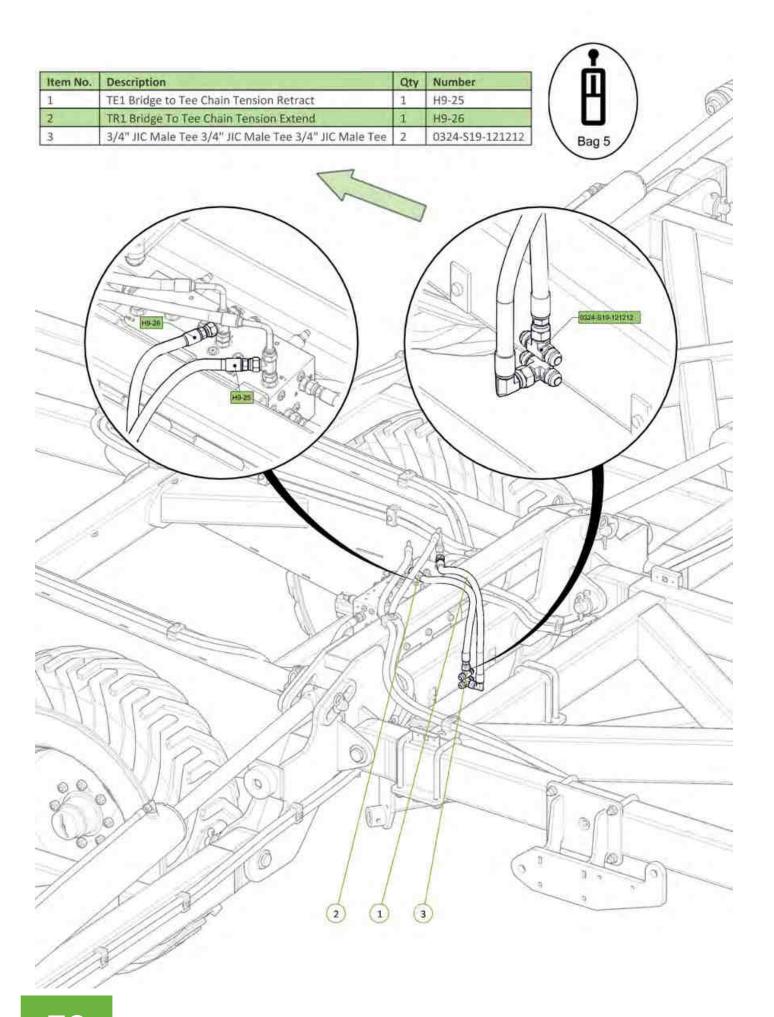


| Item No. | Description                                 | Qty | Number        |
|----------|---|-----|---------------|
| 1        | 3/4" JIC Male 3/4" UN O Ring Male 90" Elbow | 2   | 0323-S91-1212 |

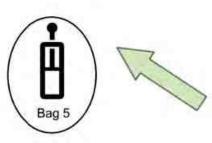


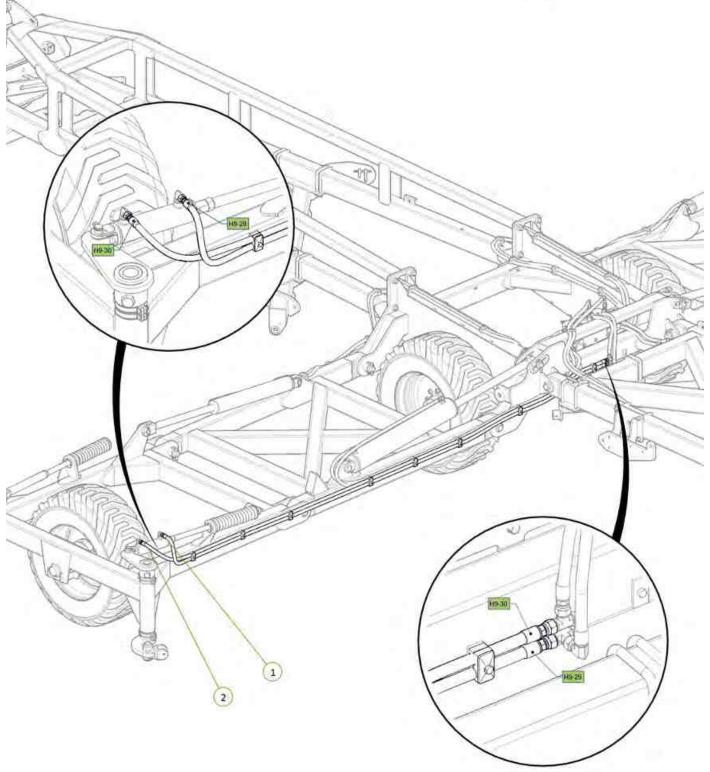






| Item No. | Description                           | Qty | Number |
|----------|---------------------------------------|-----|--------|
| 1        | TE1 To Left Hand Wing Tension Retract | 1   | H9-29  |
| 2        | TR1 To Left Hand Wing Tension Extend  | 1   | H9-30  |

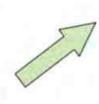


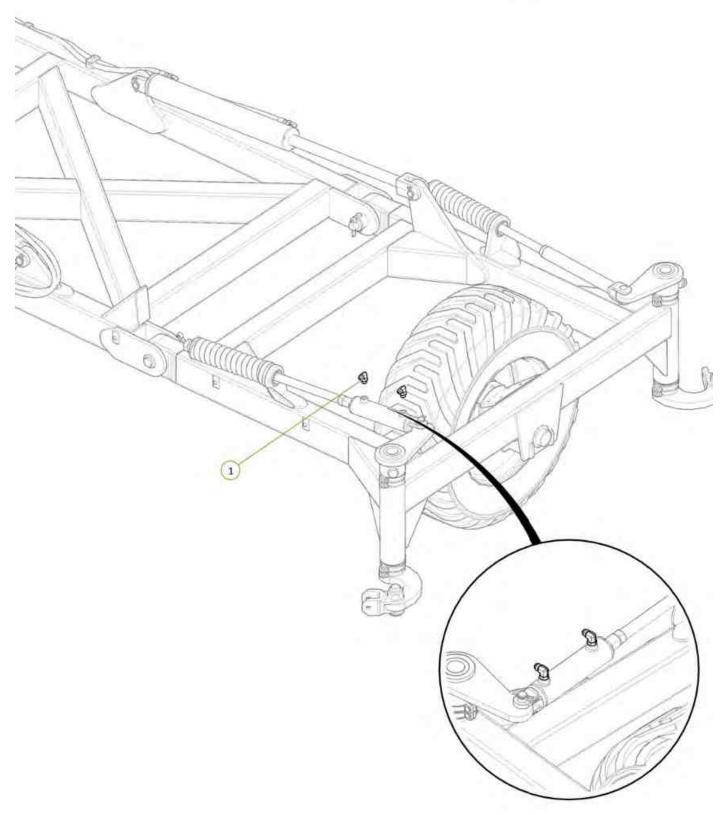




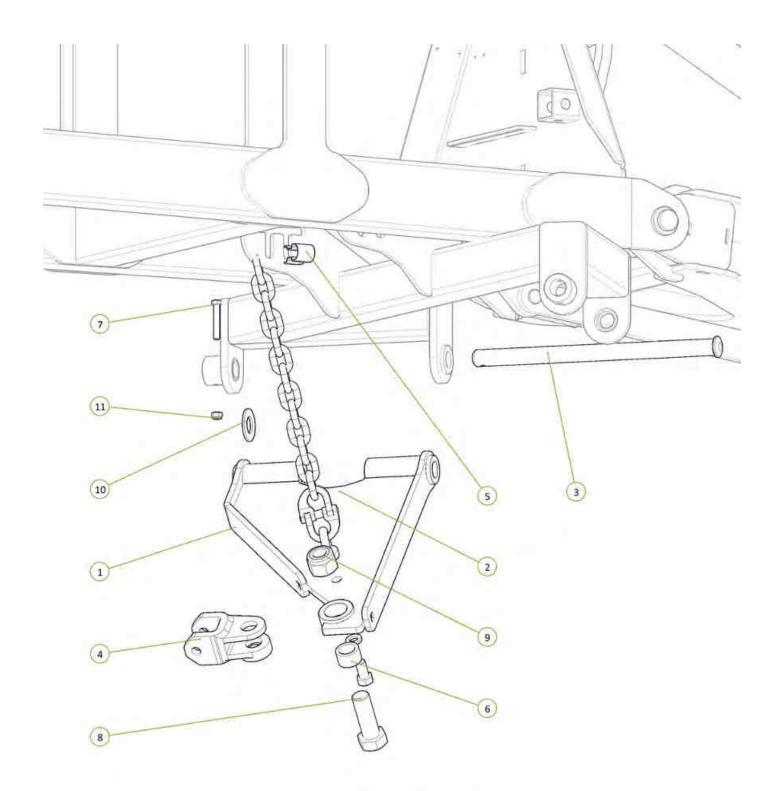
| Item No. | Description                                 | Qty | Number        |
|----------|---|-----|---------------|
| 1        | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2   | 0323-S91-1212 |



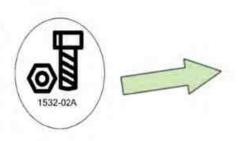


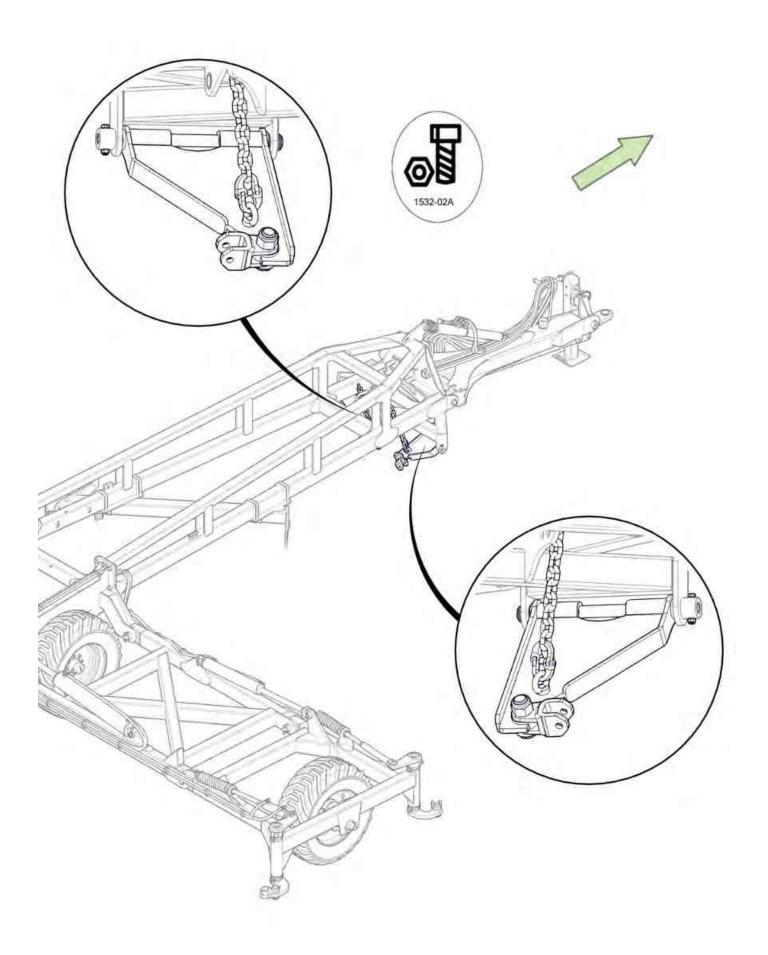


| Item No. Description  1 TE1 To Right Hand Wing Tension Retract 1 H9-27  2 TR1 To Right Hand Wing Tension Extend 1 H9-28 | 1 TE1 To Right Hand Wing Tension Retract 1 H9-27 2 TR1 To Right Hand Wing Tension Extend 1 H9-28 | TE1 To Right Hand Wing Tension Retract 1 H9-27 TR1 To Right Hand Wing Tension Extend 1 H9-28 | TE1 To Right Hand Wing Tension Retract 1 H9-27 TR1 To Right Hand Wing Tension Extend 1 H9-28 |
|---|--|--|--|
| TR1 To Right Hand Wing Tension Extend 1 H9-28   | TR1 To Right Hand Wing Tension Extend 1 H9-28  | TR1 To Right Hand Wing Tension Extend 1 H9-28  | TR1 To Right Hand Wing Tension Extend 1 H9-28  |
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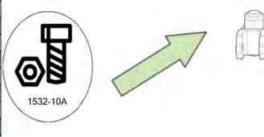


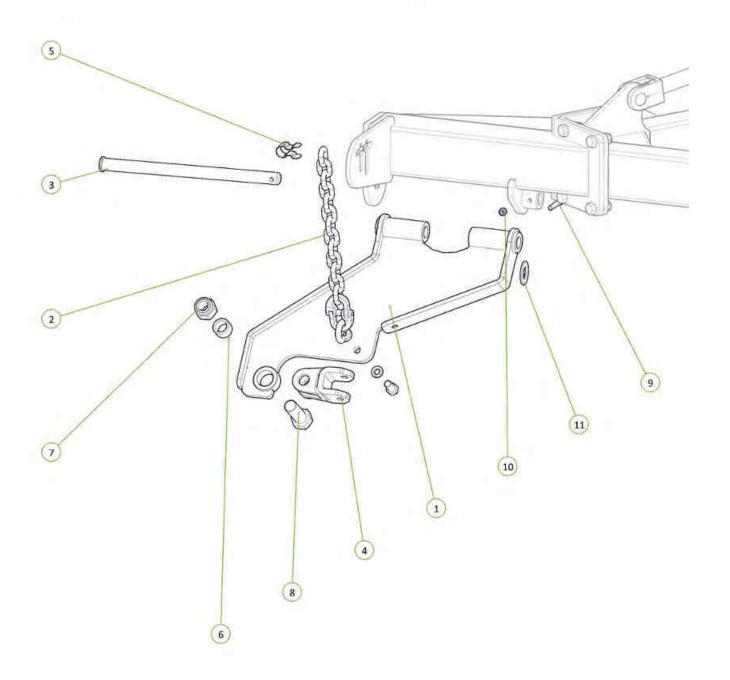
| Item No. | Description                             | Qty | Number         |
|----------|---|-----|----------------|
| 1        | Standard Chain Mount Plate              | 1   | 0810-20        |
| 2        | Height Adjusting Chain Assembly 13 Link | 1   | 0801-20MCA     |
| 3        | Chain Mount Pivot Pin                   | 1   | 0801-10-51     |
| 4        | Forged Clevis 21mm Bolt Hole            | 1   | 0801-FC21      |
| 5        | Height Adjustor Retaining Clip          | 1   | 0801-KE014     |
| 6        | Stainless Steel Wear Bush               | 1   | 1501-365033-55 |
| 7        | M12 x 75 grade 8.8 ZP Bolt              | 1   | 0211-1275      |
| 8        | M36 x 105 grade 8.8 zp Bolt             | 1   | 0211-36105     |
| 9        | Nyloc Nut M36                           | 1   | 0221-NYL36     |
| 10       | Washer High Tensile 1 3/8"              | 1   | 0232-HT13-8    |
| 11       | Nyloc Nut M12                           | 1   | 0221-NYL12     |

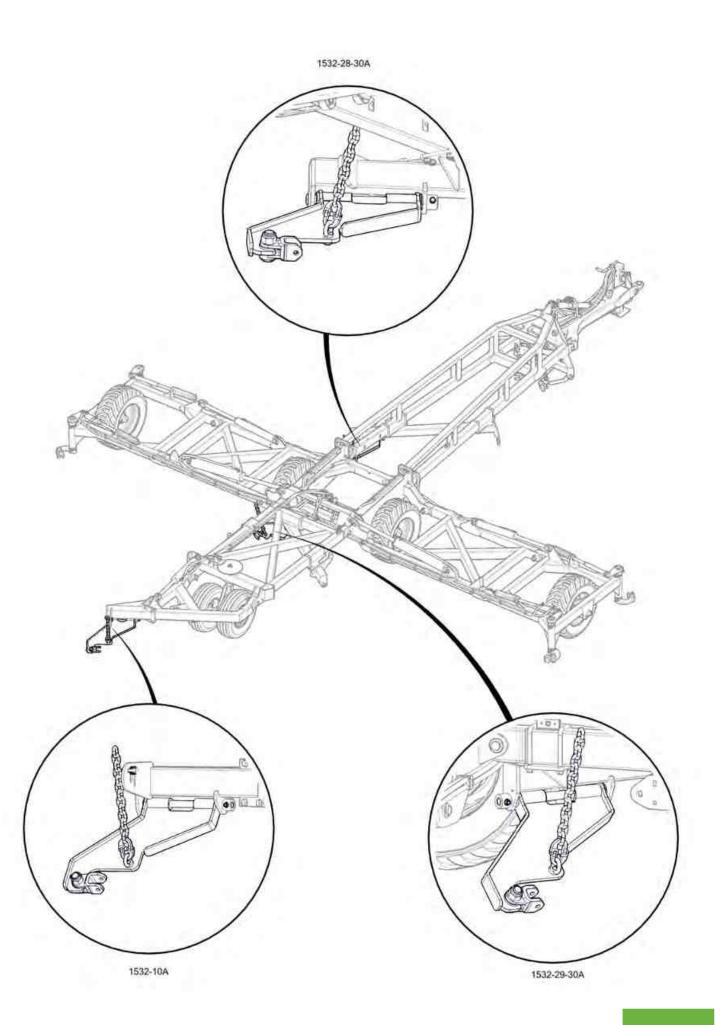


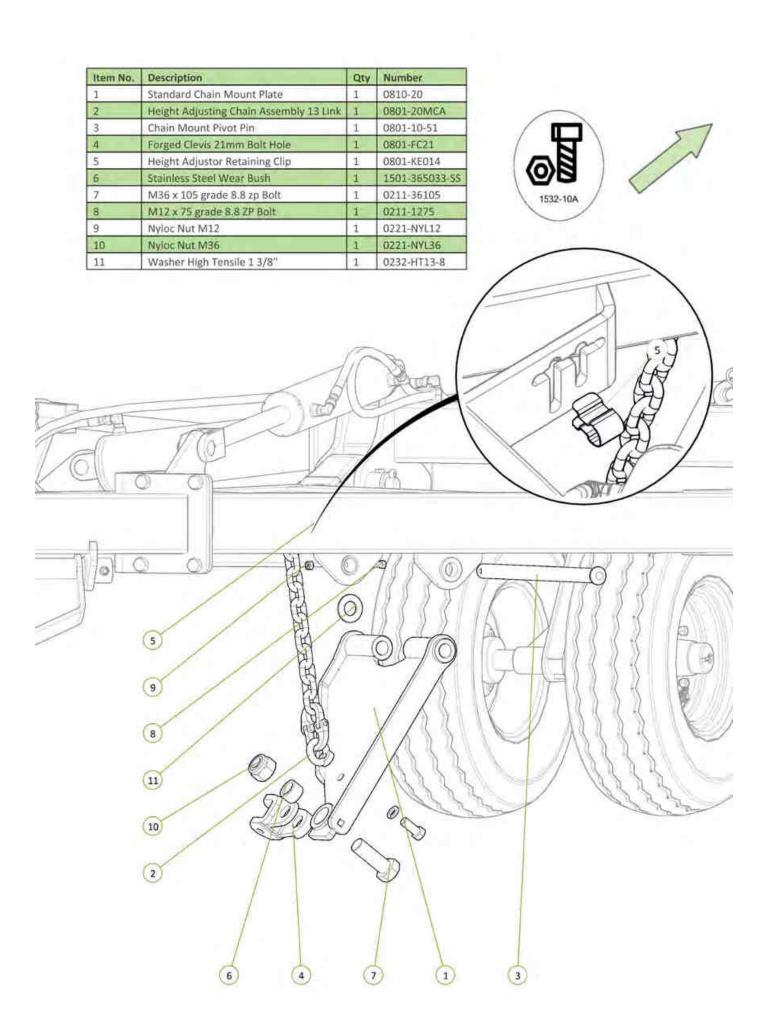


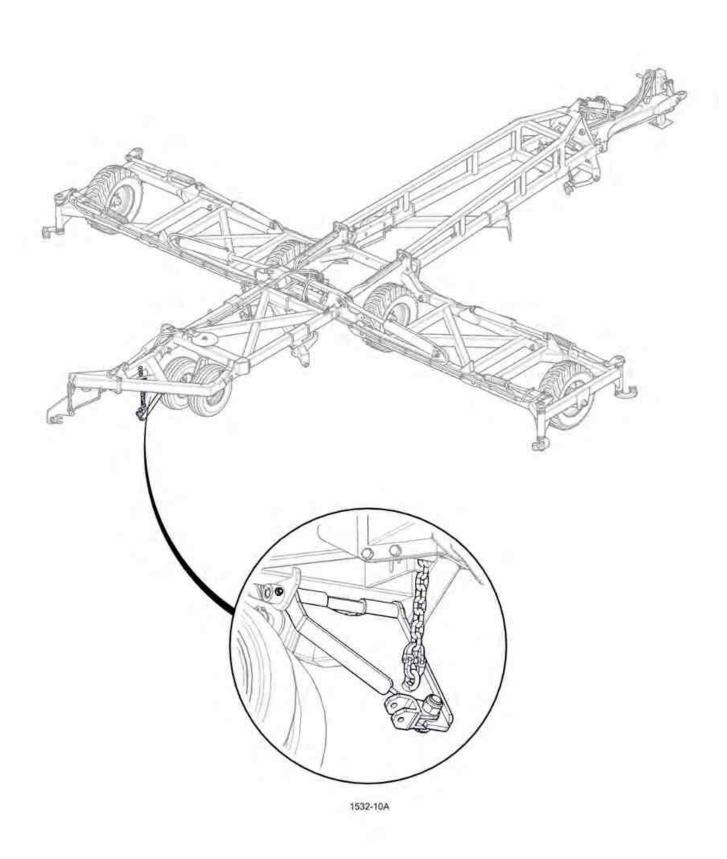
| Item No. | Description                             | Qty | Number         |
|----------|---|-----|----------------|
| 1        | Extended Chain Mount Plate              | 1   | 0810-21        |
| 2        | Height Adjusting Chain Assembly 13 Link | 1   | 0801-20MCA     |
| 3        | Chain Mount Pivot Pin                   | 1   | 0801-10-51     |
| 4        | Forged Clevis 21mm Balt Hale            | 1   | 0801-FC21      |
| 5        | Height Adjustor Retaining Clip          | 1   | 0801-KE014     |
| 5        | Stainless Steel Wear Bush               | 1   | 1501-365033-SS |
| 7        | Nyloc Nut M36                           | 1   | 0221-NYL36     |
| 8        | M36 x 105 grade 8.8 zp Bolt             | 1   | 0211-36105     |
| 9        | M12 x 75 grade 8.8 ZP Bolt              | 1   | 0211-1275      |
| 10       | Nyloc Nut M12                           | 1   | 0221-NYL12     |
| 11       | Washer High Tensile 1 3/8"              | 1   | 0232-HT13-8    |



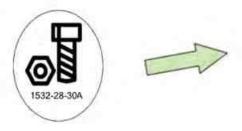


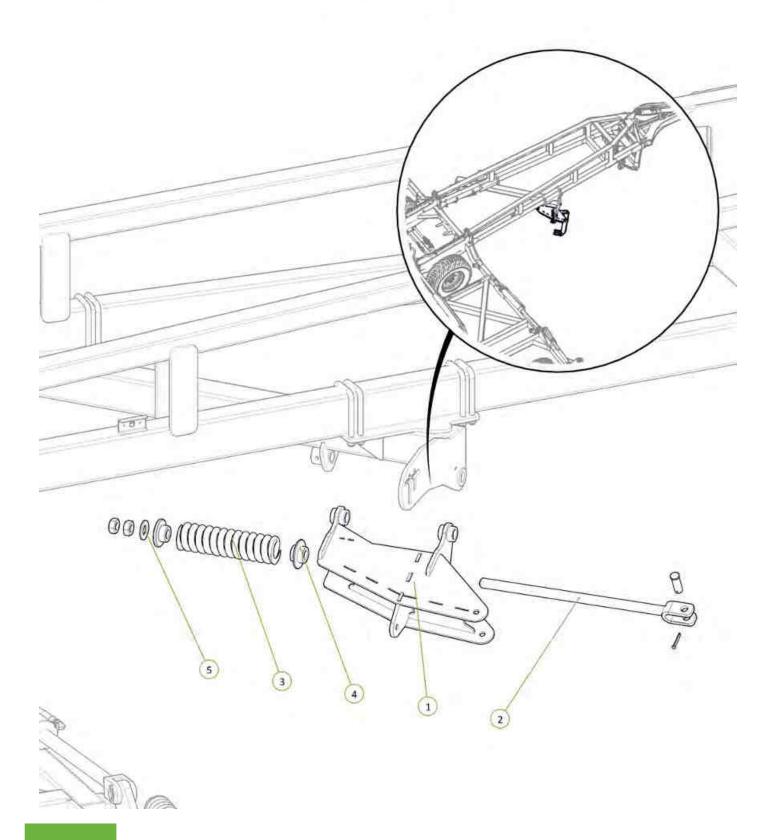


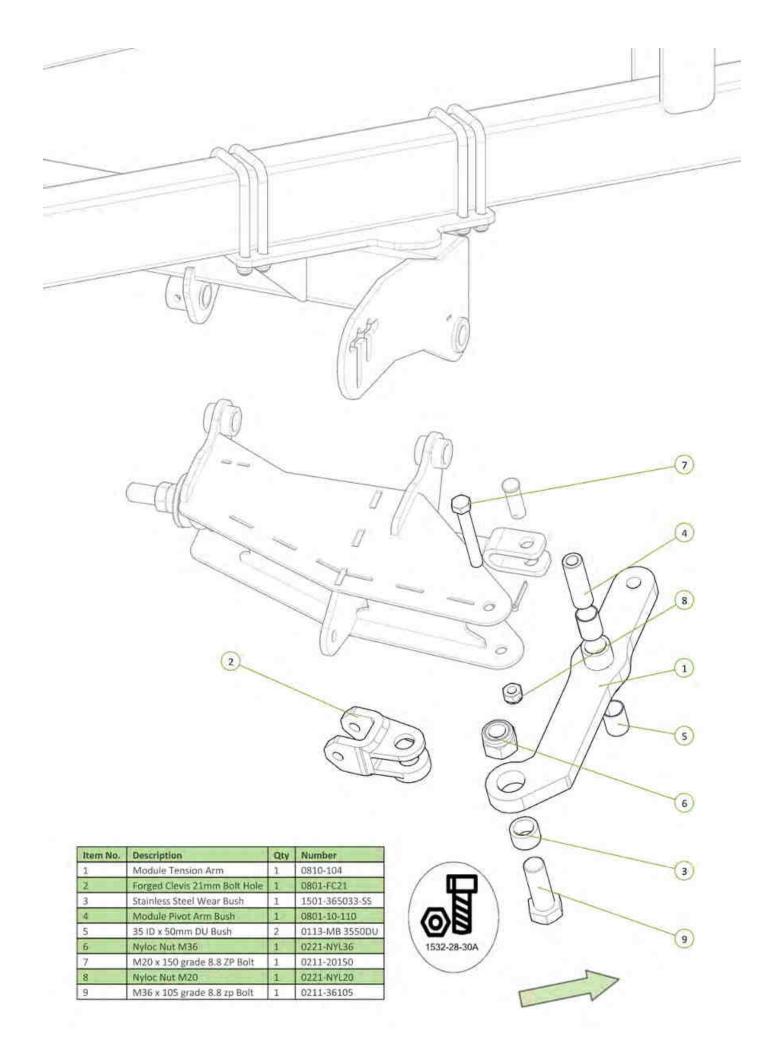




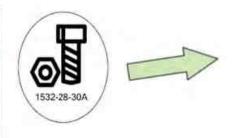
| Item No. | Description                 | Qty | Number       |
|----------|-----------------------------|-----|--------------|
| 1        | Rear Module Tension Body    | 1   | 0810-103R    |
| 2        | Module Tension Rod Assembly | 1   | 0810-105A    |
| 3        | 20mm Compression Spring     | 1   | 0801-XK9261S |
| 4        | Rigid Spring Locator        | 1   | 0801-10-S2L  |
| 5        | Washer High Tensile 1 1/4"  | 1   | 0232-HT11-4  |

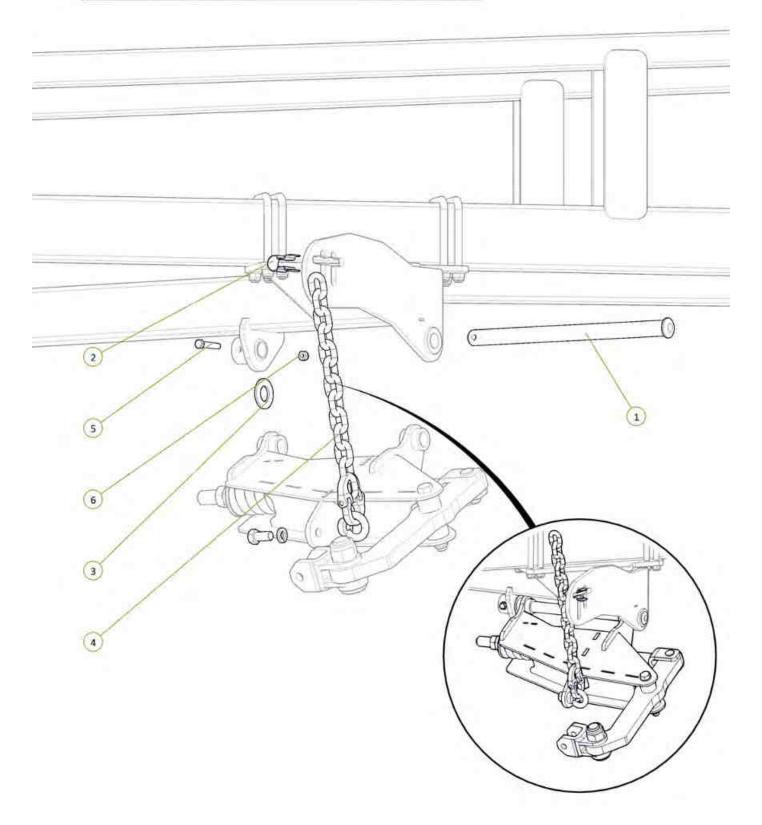


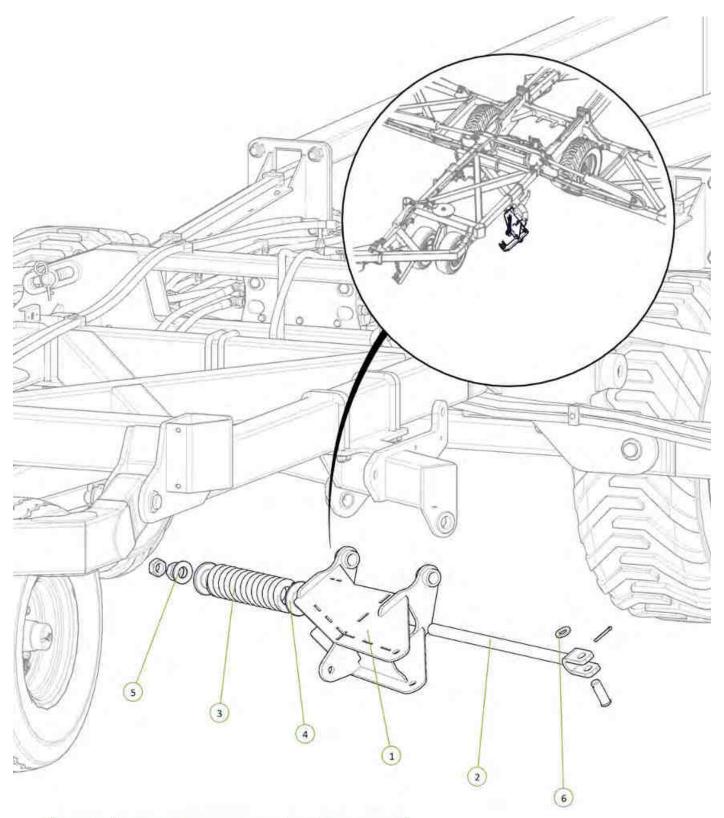




| Item No. | Description                             | Qty | Number      |
|----------|---|-----|-------------|
| 1        | Chain Mount Pivot Pin                   | 1   | 0801-10-51  |
| 2        | Height Adjustor Retaining Clip          | 1   | 0801-KE014  |
| 3        | Washer High Tensile 1 3/8"              | 1   | 0232-HT13-8 |
| 4        | Height Adjusting Chain Assembly 13 Link | 1   | 0801-20MCA  |
| 5        | M12 x 75 grade 8.8 ZP Bolt              | 1   | 0211-1275   |
| 6        | Nyloc Nut M12                           | 1   | 0221-NYL12  |



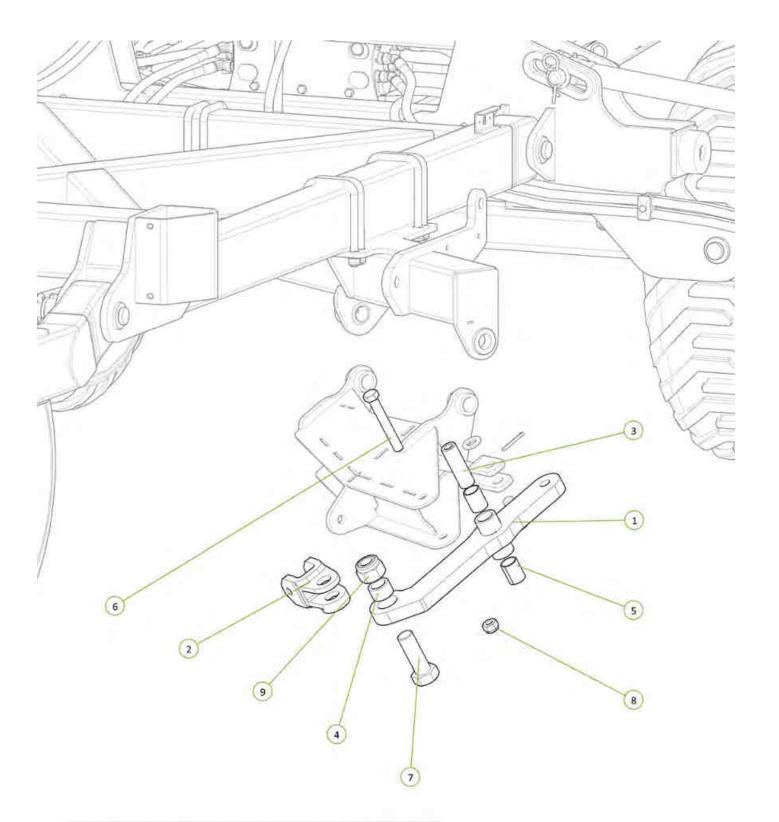




| Item No. | Description                 | Qty | Number       |
|----------|-----------------------------|-----|--------------|
| 1        | Rear Module Tension Body    | 1   | 0810-103R    |
| 2        | Module Tension Rod Assembly | 1   | 0810-105A    |
| 3        | 20mm Compression Spring     | 1   | 0801-XK92615 |
| 4        | Rigid Spring Locator        | 1   | 0801-10-S2L  |
| 5        | Washer High Tensile 1 1/4"  | 1   | 0232-HT11-4  |
| 6        | Washer Flat M24             | 1   | 0231-F24     |



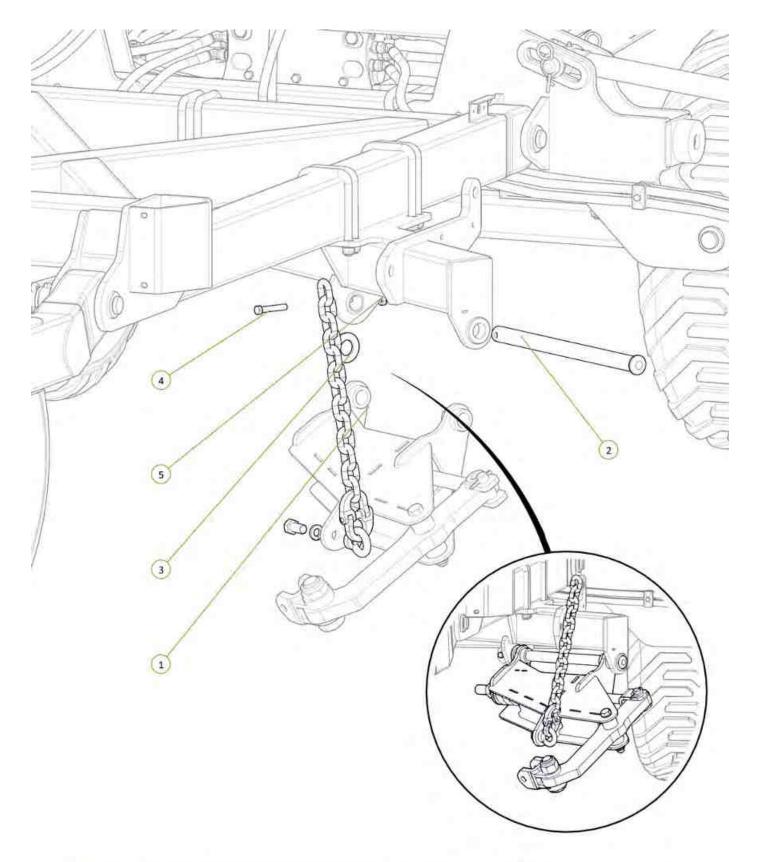




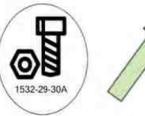
| Item No. | Description                  | Qty | Number         |
|----------|------------------------------|-----|----------------|
| 1        | Module Tension Arm No Clevis | 1   | 0810-104       |
| 2        | Forged Clevis 21mm Bolt Hole | 1   | 0801-FC21      |
| 3        | Module Pivot Arm Bush        | 1   | 0801-10-110    |
| 4        | Stainless Steel Wear Bush    | 1   | 1501-365033-SS |
| 5        | 35 ID x 50mm DU Bush         | 2   | 0113-MB 3550DU |
| 6        | M20 x 150 grade 8.8 ZP Bolt  | 1   | 0211-20150     |
| 7        | M36 x 105 grade 8.8 zp Bolt  | 1   | 0211-36105     |
| 8        | Nyloc Nut M20                | 1   | 0221-NYL20     |
| 9        | Nyloc Nut M36                | 1   | 0221-NYL36     |







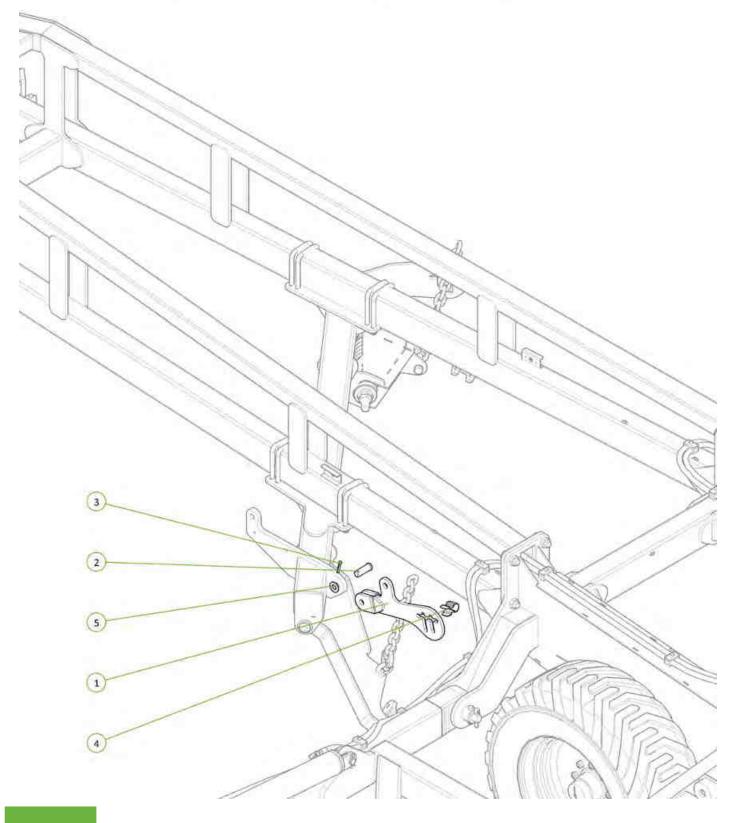
| Item No. | Description                             | Qty | Number      |
|----------|---|-----|-------------|
| 1        | Height Adjusting Chain Assembly 13 Link | 1   | 0801-20MCA  |
| 2        | Chain Mount Pivot Pin                   | 1   | 0801-10-51  |
| 3        | Washer High Tensile 1 3/8"              | 1   | 0232-HT13-8 |
| 4        | M12 x 75 grade 8.8 ZP Bolt              | 1   | 0211-1275   |
| 5        | Nyloc Nut M12                           | 1   | 0221-NYL12  |



| Item No. | Description                    | Qty | Number        |
|----------|--------------------------------|-----|---------------|
| 1        | 30' Module Lift Plate          | 1   | 0810-106      |
| 2        | Clevis Pin 25mm x 75mm         | 1   | 0801-KE0307-1 |
| 3        | Cotter Pin M5 x 50             | 1   | 0261-PINC550  |
| 4        | Height Adjustor Retaining Clip | 1   | 0801-KE014    |
| 5        | Washer Flat M24                | 1   | 0231-F24      |

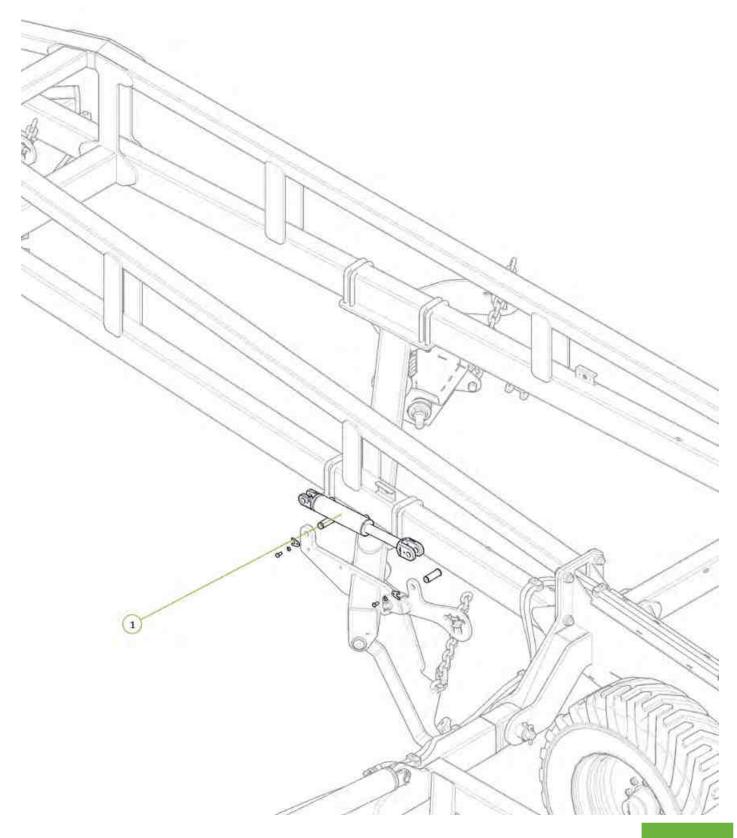


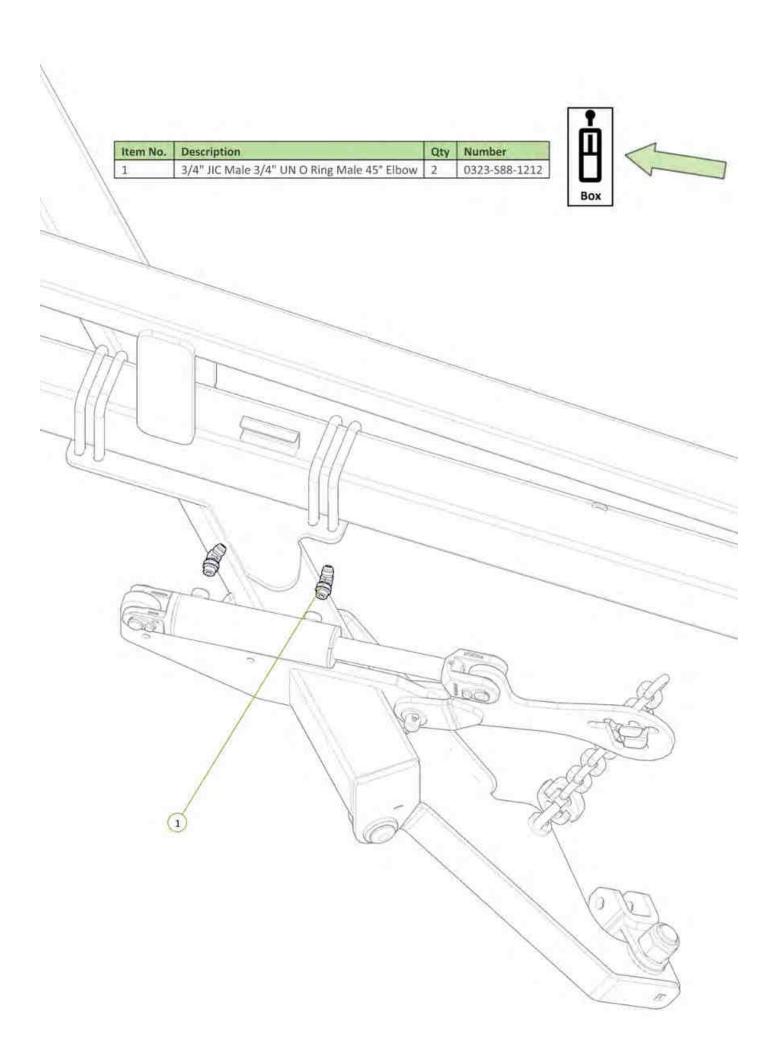


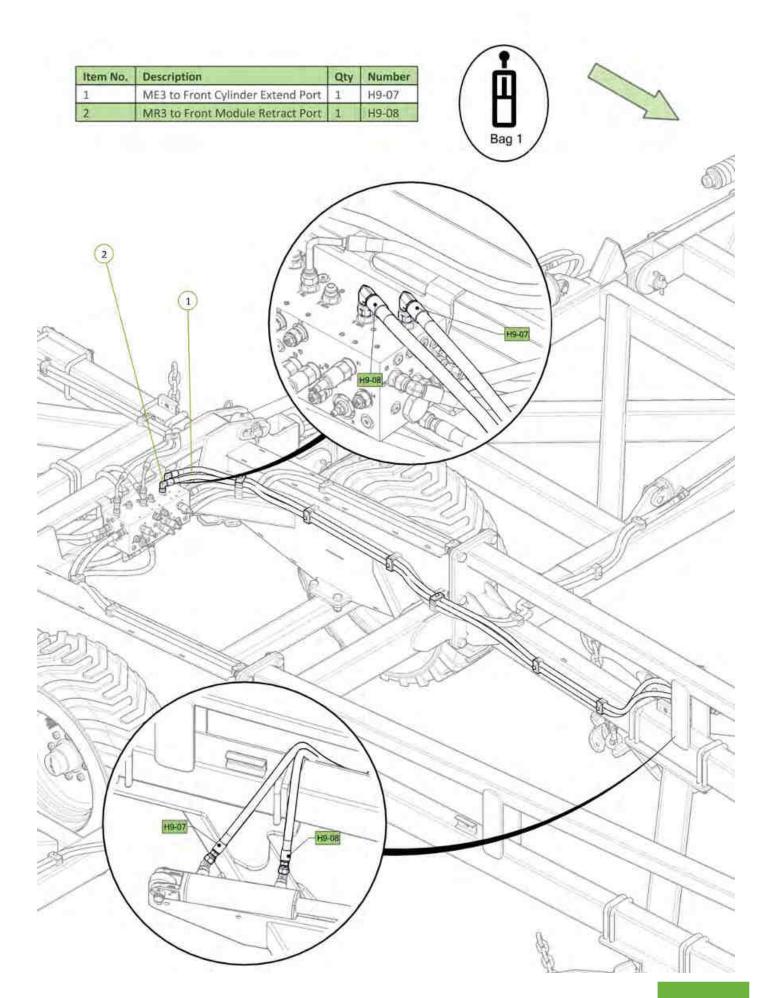


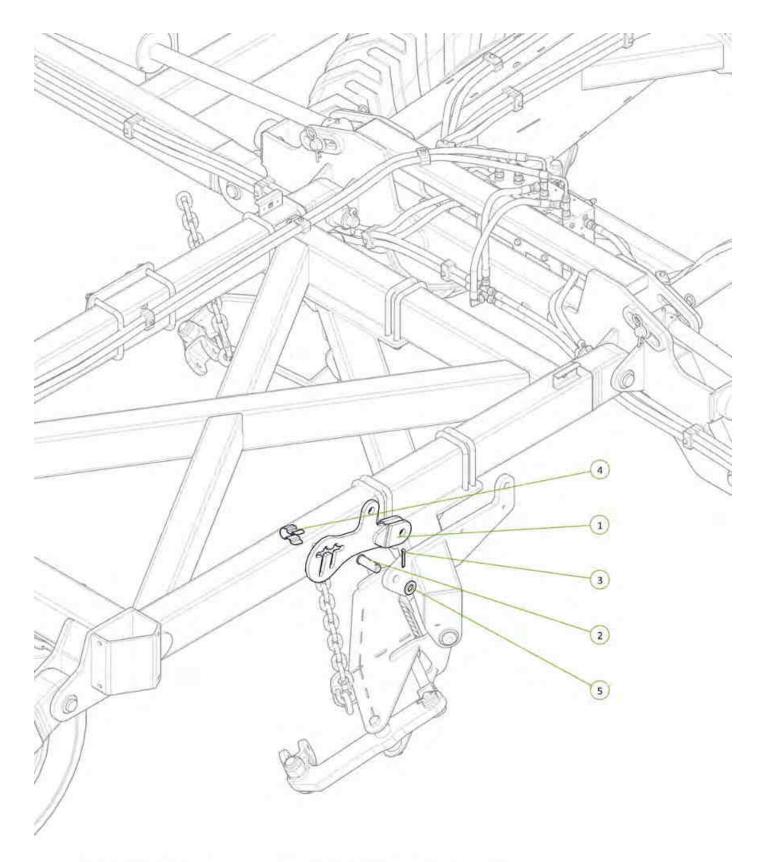
| Item No. | Description                                       | Qty | Number     |
|----------|---|-----|------------|
| 1        | 2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder | 1   | 0311-256SP |







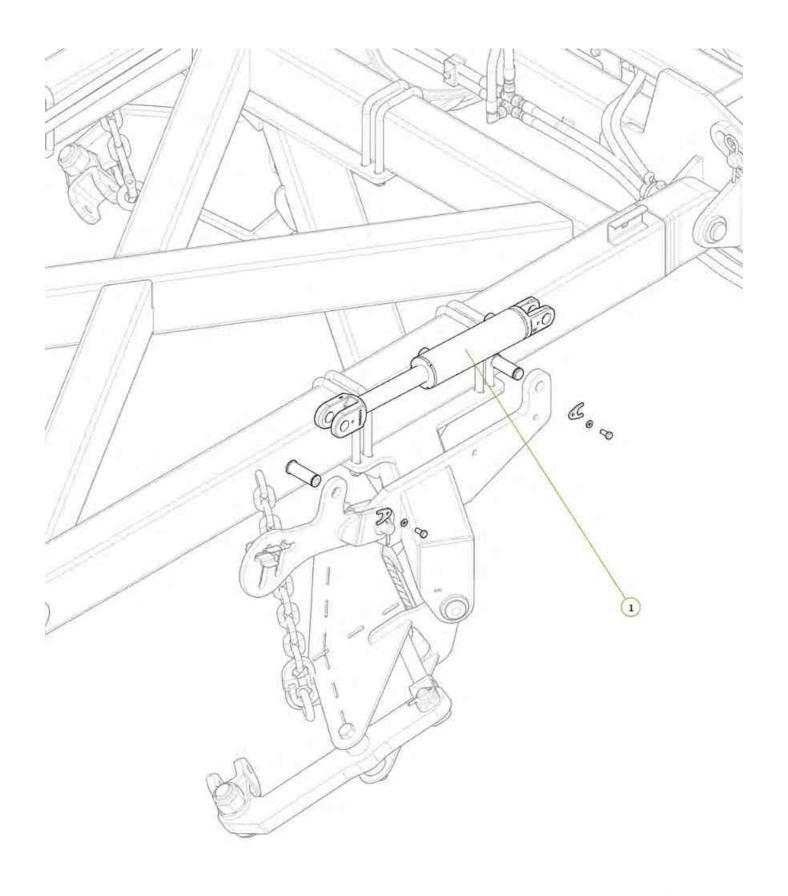




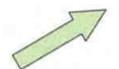
| Item No. | Description                    | Qty | Number        |
|----------|--------------------------------|-----|---------------|
| 1        | 30' Short Module Lift Arm      | 1   | 0810-107      |
| 2        | Clevis Pin 25mm x 75mm         | 1   | 0801-KE0307-1 |
| 3        | Cotter Pin M6 x 50mm           | 1   | 0261-PINC650  |
| 4        | Height Adjustor Retaining Clip | 1:  | 0801-KE014    |
| 5        | Washer Flat M24                | 1   | 0231-F24      |

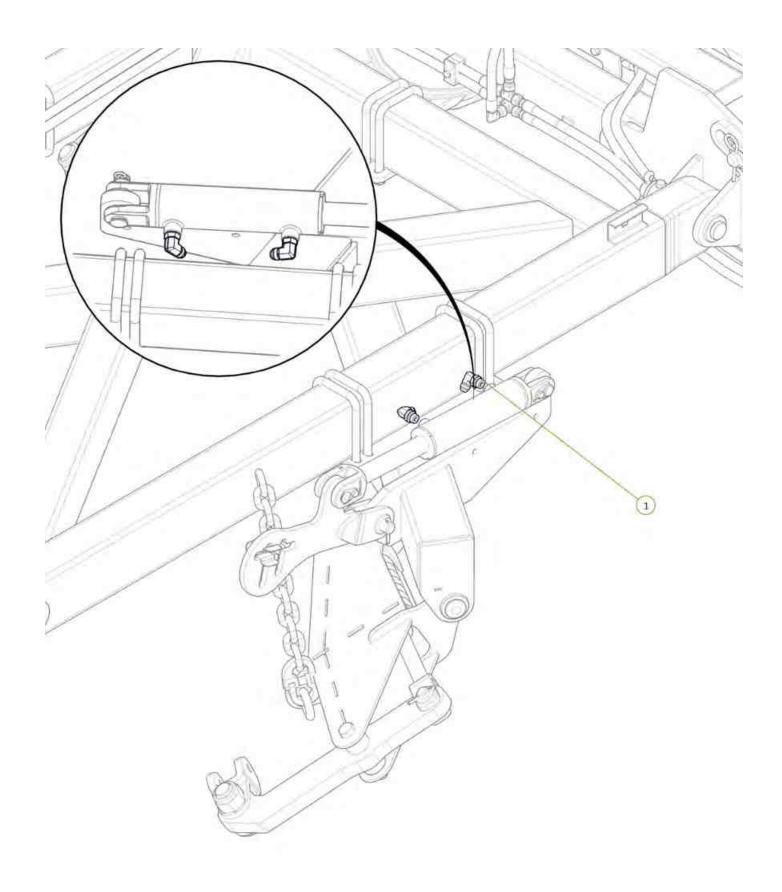






| Item No. | Description                                       | Qty | Number     |
|----------|---|-----|------------|
| 1        | 2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder | 1   | 0311-256SP |

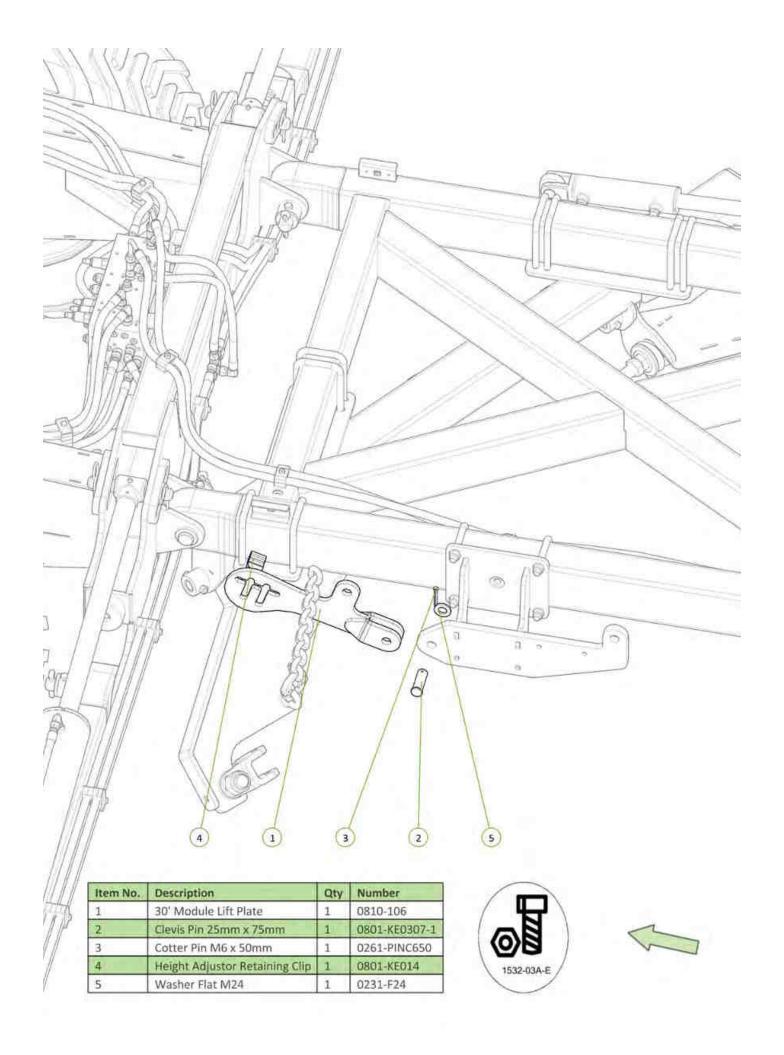


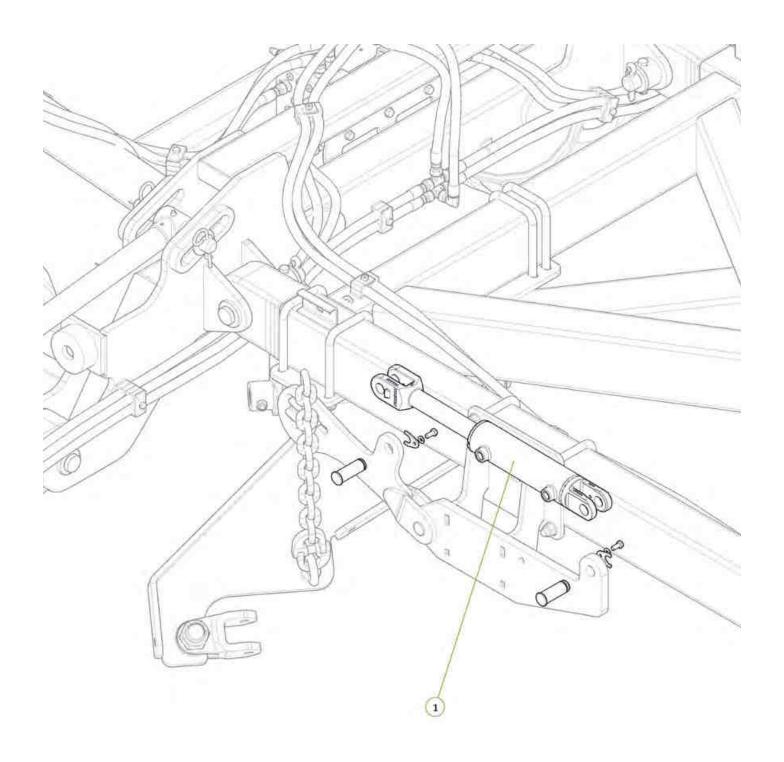


| Item No. | Description                                 | Qty | Number        |
|----------|---|-----|---------------|
| 1        | 3/4" JIC Male 3/4" UN O Ring Male 90" Elbow | 2   | 0323-591-1212 |

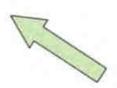


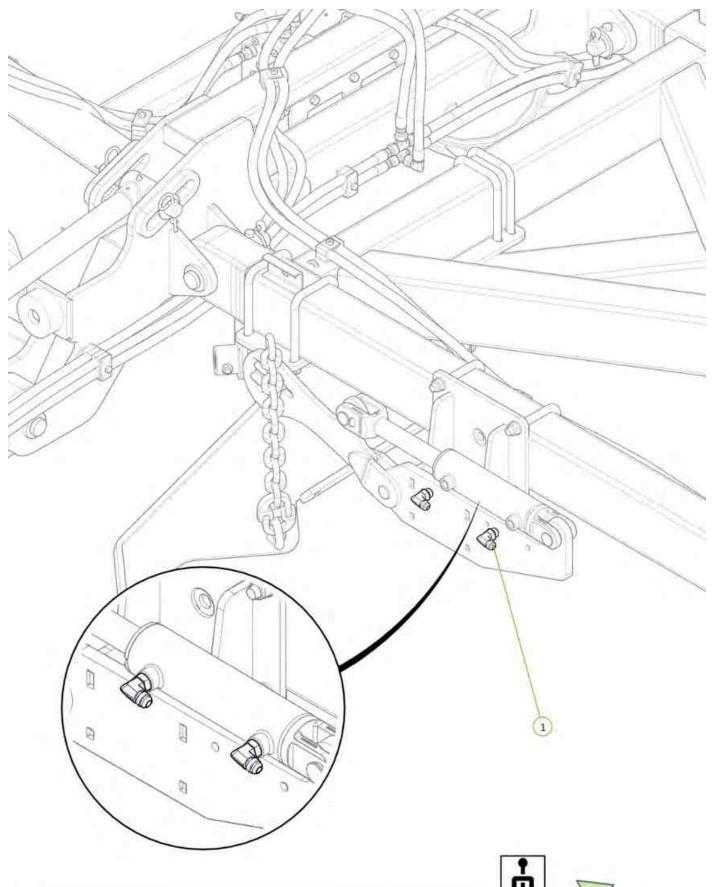






| Item No. | Description                                       | Qty | Number     |
|----------|---|-----|------------|
| 1        | 2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder | 1   | 0311-256SP |



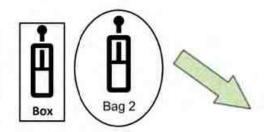


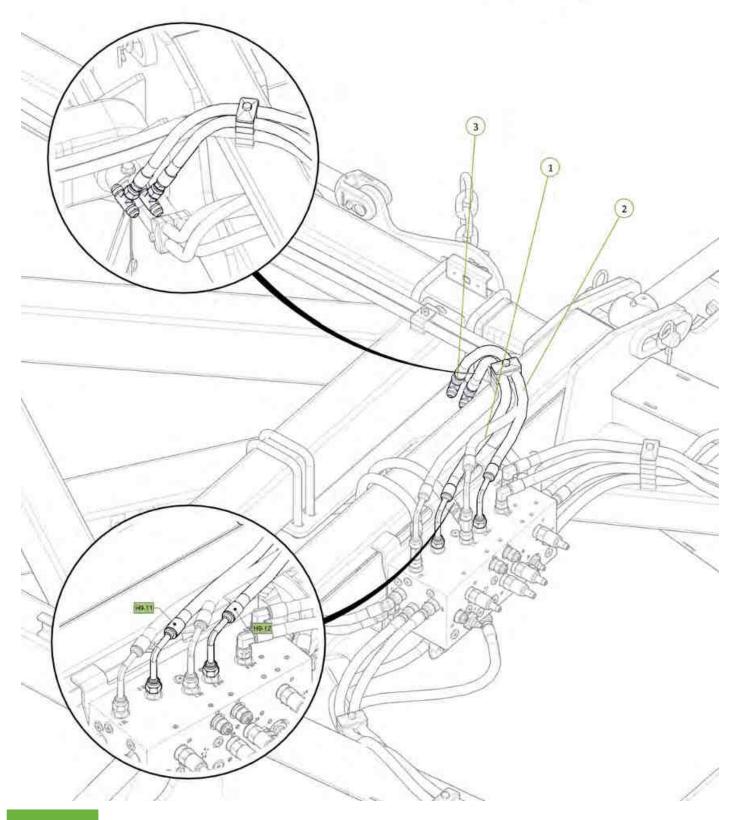
| Item No. | Description                                 | Qty | Number        |
|----------|---|-----|---------------|
| 1        | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2   | 0323-591-1212 |

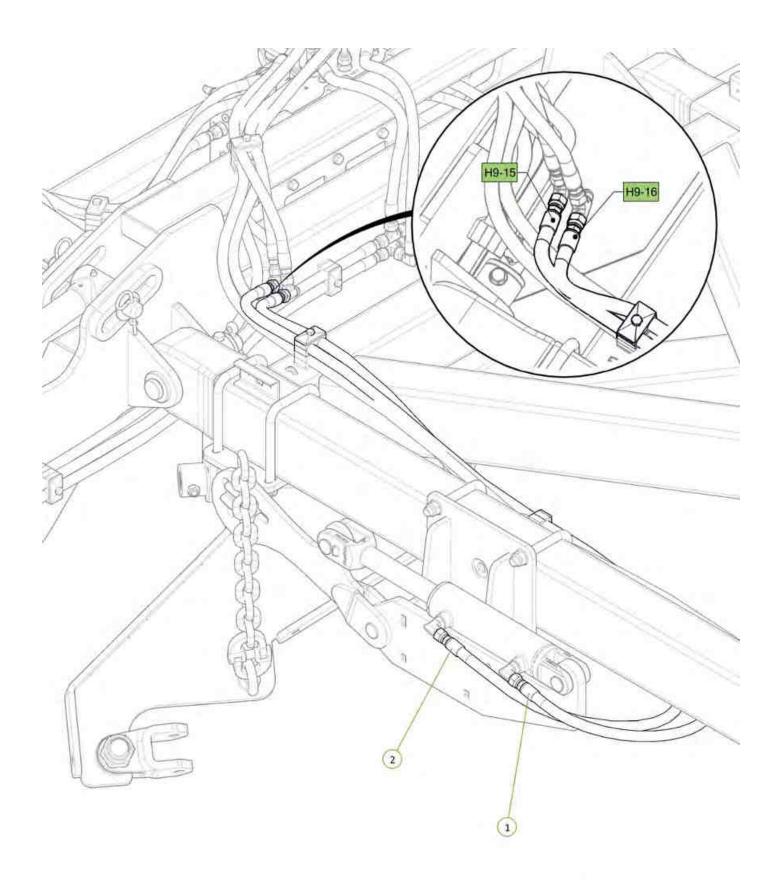




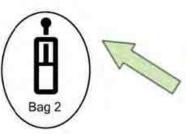
| Item No. | Description                        | Qty | Number          |
|----------|------------------------------------|-----|-----------------|
| 1        | ME2 Port to Rear Module Extend Tee | 1   | H9-11           |
| 2        | MR2 Port to Rear Module Retact Tee | 1   | H9-12           |
| 3        | 3/4" JIC Male Tee                  | 2   | 0324-S19-121212 |

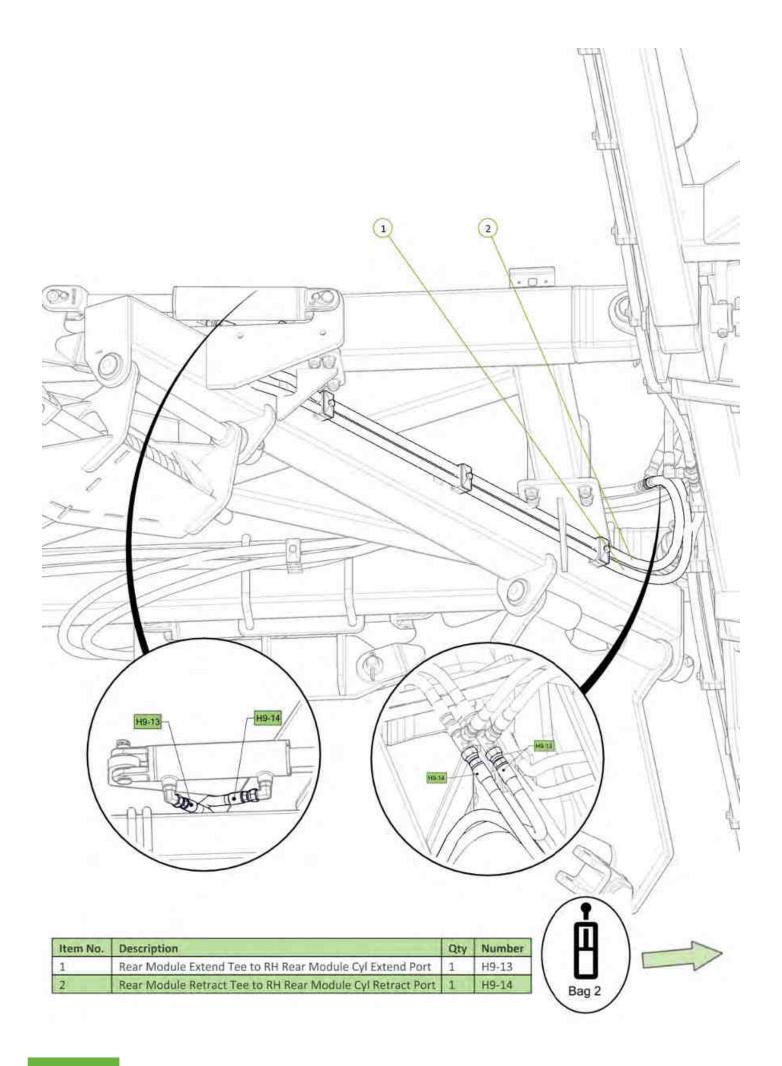


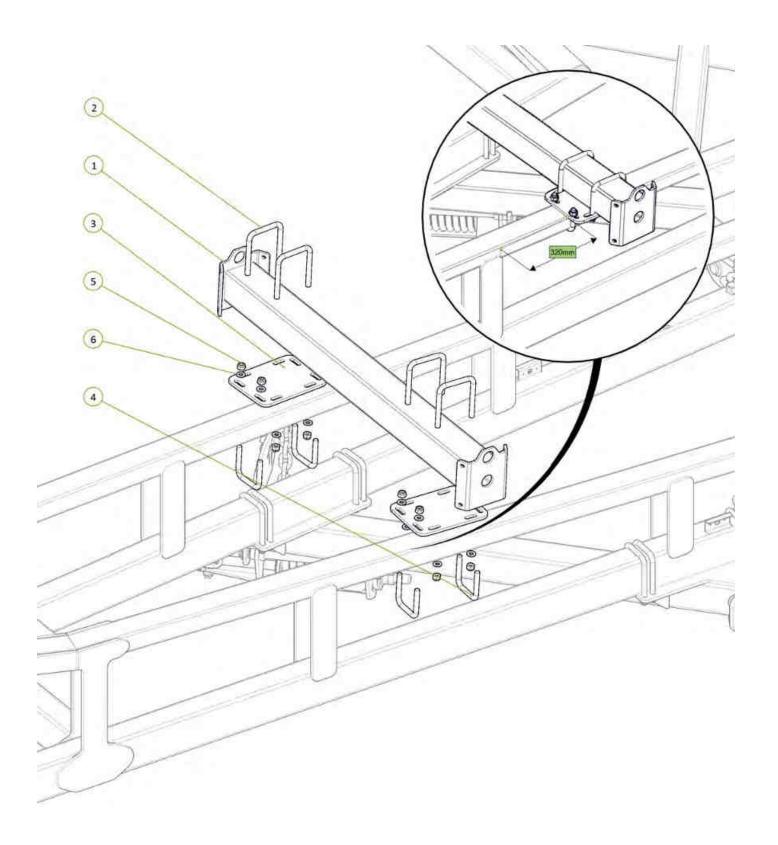




| Item No. | Description  | Qty | Number |
|----------|--|-----|--------|
| 1        | Rear Module Extend Tee to LH Rear Module Cyl Extend Port   | 1   | H9-15  |
| 2        | Rear Module Retract Tee to LH Rear Module Cyl Retract Port | 1   | H9-16  |



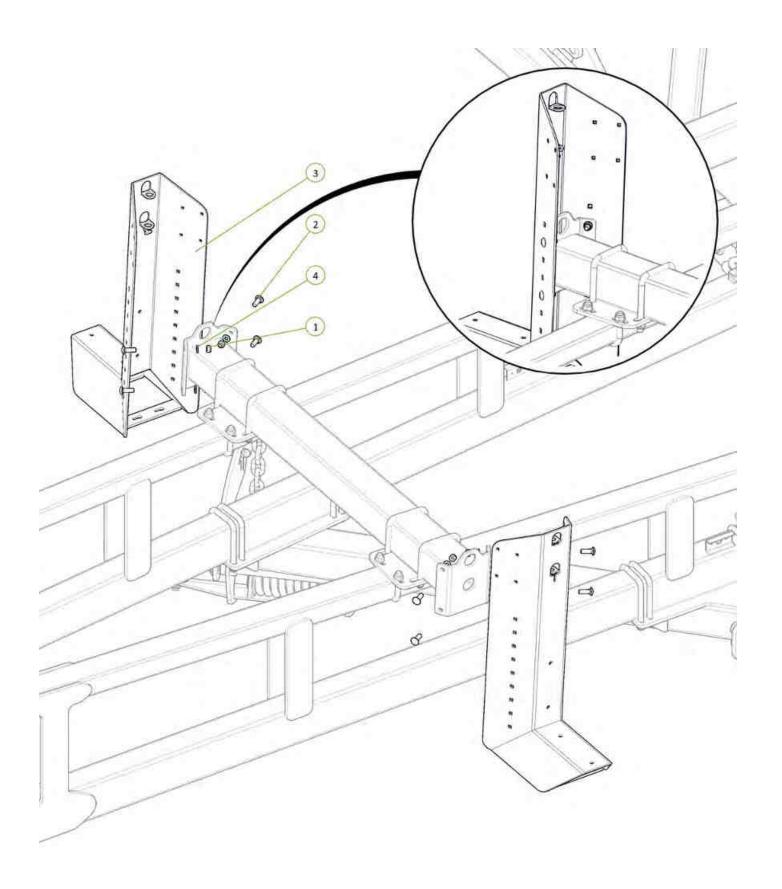




| Item No. | Description                      | Qty | Number        |
|----------|----------------------------------|-----|---------------|
| 1        | 9m Gen 2 Chain Carrier           | 1   | 1532-17-30    |
| 2        | U-Bolt M16 x 160 Deep x 127 Wide | 4   | 0271-16160127 |
| 3        | Chain Carrier Mount Plate        | 2   | 0800-139.1    |
| 4        | U-Bolt M16 x 112 Deep x 104 Wide | 4   | 0271-16112104 |
| 5        | Nyloc Nut M16                    | 16  | 0221-NYL16    |
| 6        | Washer Flat M16                  | 16  | 0231-F16      |



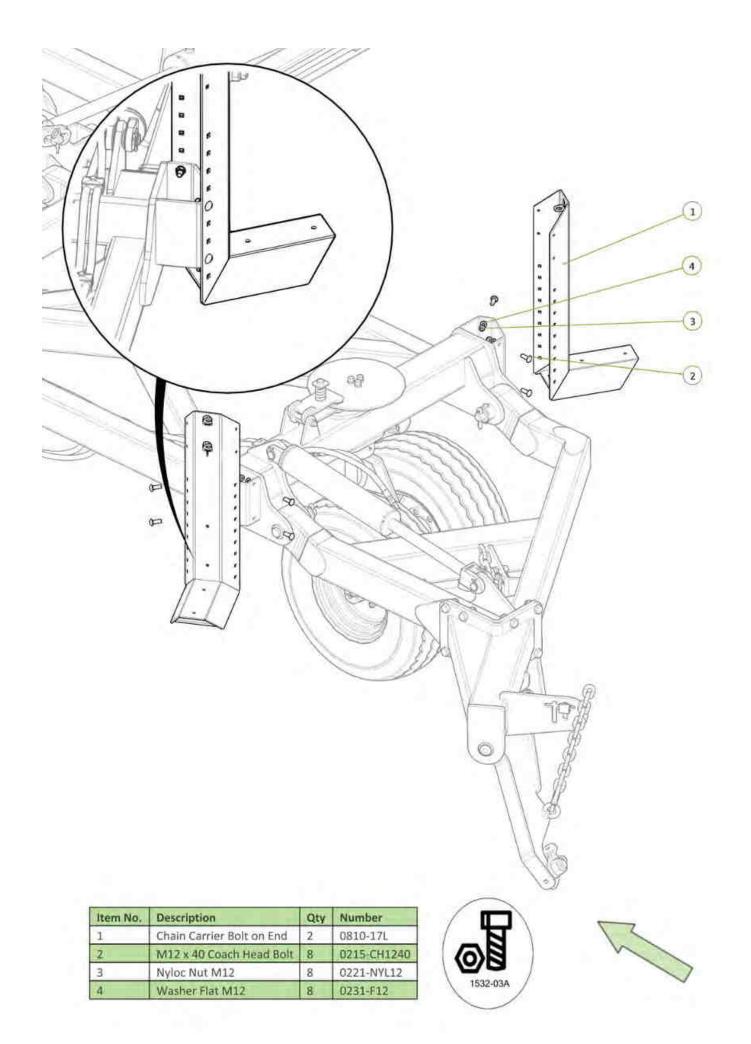




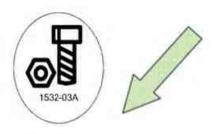
| Item No. | Description                        | Qty | Number      |
|----------|------------------------------------|-----|-------------|
| 1        | Nyloc Nut M12                      | 8   | 0221-NYL12  |
| 2        | M12 x 40 Coach Head Bolt           | 8   | 0215-CH1240 |
| 3        | Extended Chain Carrier Bolt on End | 2   | 0810-17L_SD |
| 4        | Washer Flat M12                    | 8   | 0231-F12    |

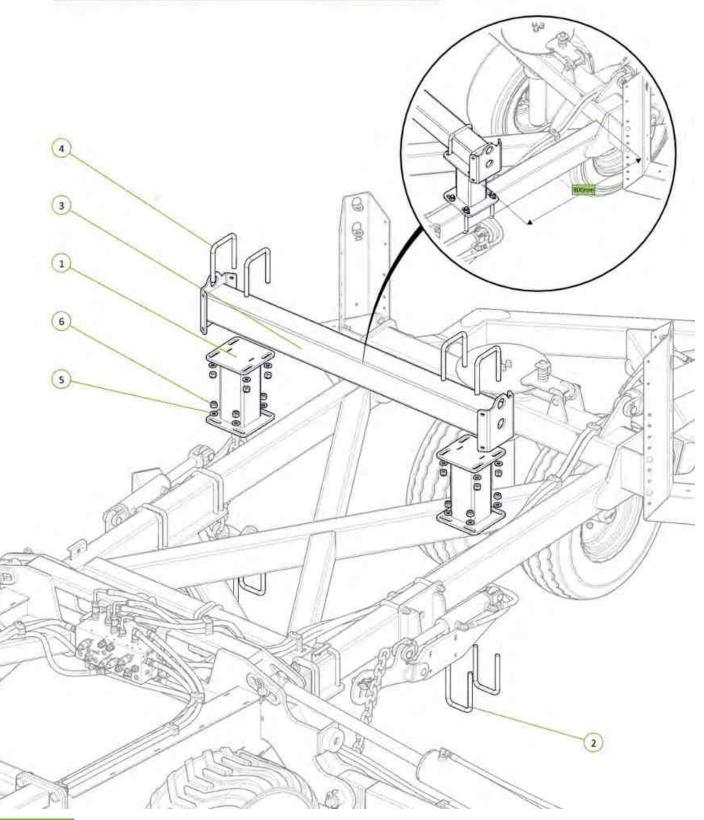






| Item No. | Description                      | Qty | Number        |
|----------|----------------------------------|-----|---------------|
| 1        | 300mm Chain Carrier Pedestal     | 2   | 1510-43       |
| 2        | U-Bolt M16 x 185 Deep x 104 Wide | 4   | 0271-16185104 |
| 3        | 9m Gen 2 Chain Carrier           | 1   | 1532-17-30    |
| 4        | U-Bolt M16 x 160 Deep x 127 Wide | 4   | 0271-16160127 |
| 5        | Washer Flat M16                  | 16  | 0231-F16      |
| 6        | Nyloc Nut M16                    | 16  | 0221-NYL16    |

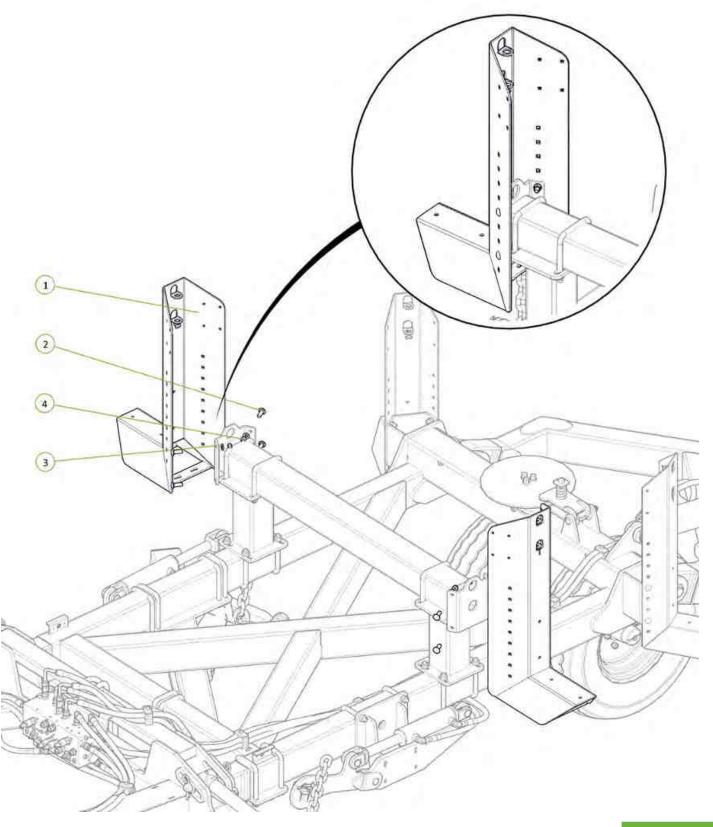




| Item No. | Description                        | Qty | Number      |
|----------|------------------------------------|-----|-------------|
| 1        | Extended Chain Carrier Bolt on End | 2   | 0810-17L_SD |
| 2        | M12 x 40 Coach Head Bolt           | 8   | 0215-CH1240 |
| 3        | Washer Flat M12                    | 8   | 0231-F12    |
| 4        | Nyloc Nut M12                      | 8   | 0221-NYL12  |

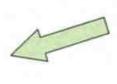


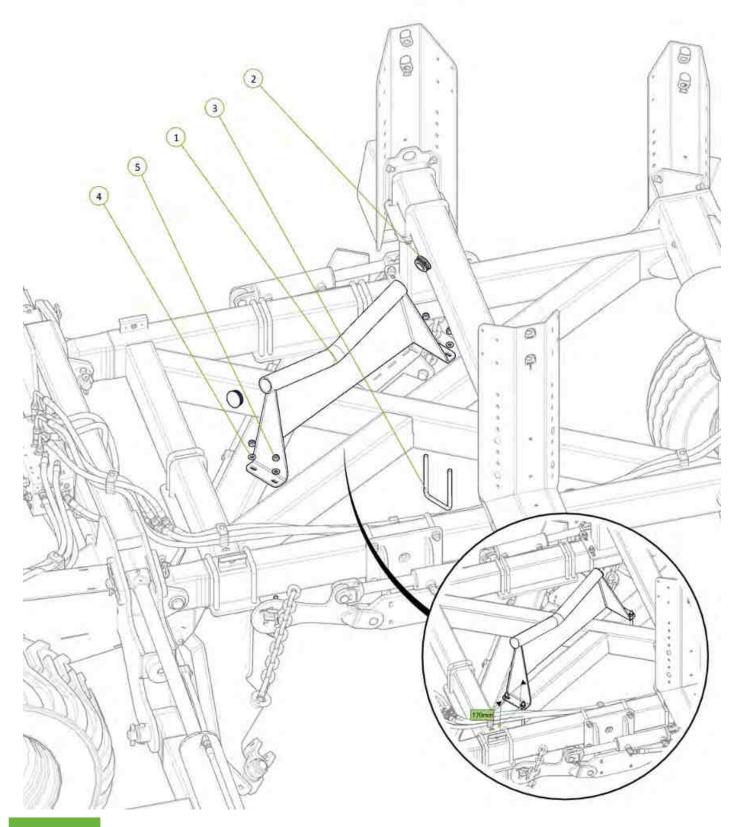




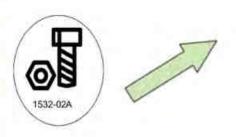
| Item No. | Description                      | Qty | Number         |
|----------|----------------------------------|-----|----------------|
| 1        | Straight Chain Carrier M         | 1   | 0810-19        |
| 2        | Round Tube Insert 60.3 x 3.2-5mm | 2   | 0264-RTRI-5584 |
| 3        | U-Bolt M12 x 185 Deep x 104 Wide | 2   | 0271-12185104  |
| 4        | Washer Flat M12                  | 4   | 0231-F12       |
| 5        | Nyloc Nut M12                    | 4   | 0221-NYL12     |

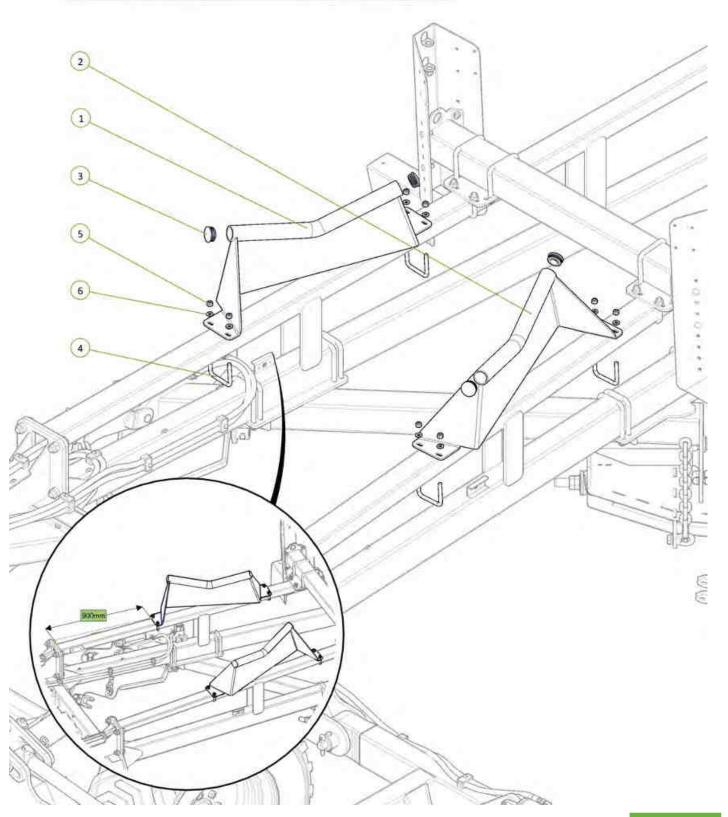


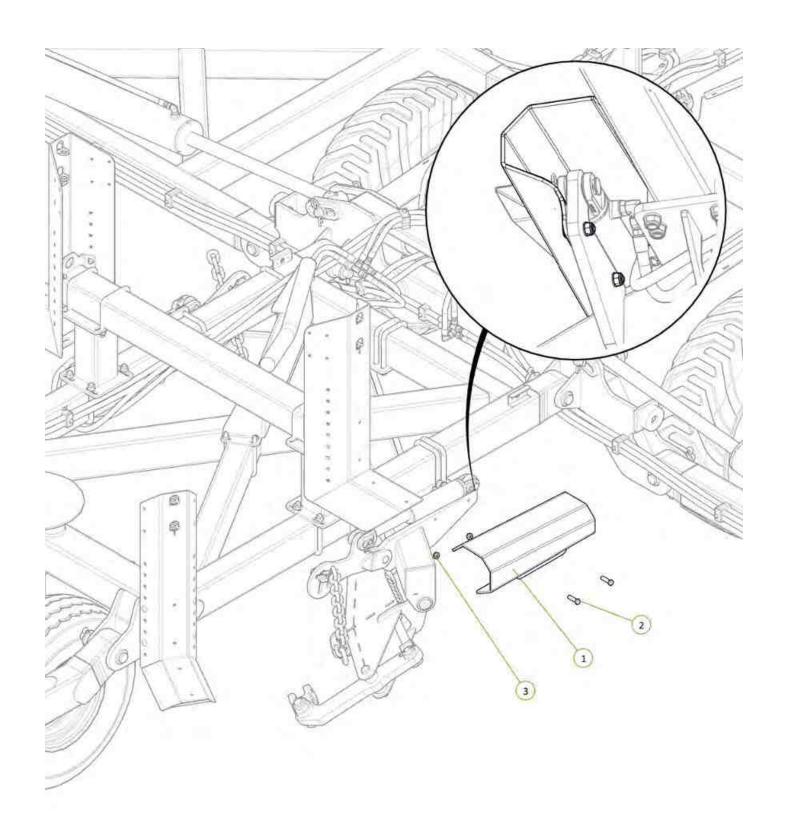




| Item No. | Description                      | Qty | Number         |
|----------|----------------------------------|-----|----------------|
| 1        | Left Hand Off Set M              | 1   | 0810-19L       |
| 2        | Right Hand Off Set M             | 1   | 0810-18R       |
| 3        | Round Tube Insert 60.3 x 3.2-5mm | 4   | 0264-RTRI-5584 |
| 4        | U-Bolt M12 x 105 Deep x 104 Wide | 4   | 0271-12105104  |
| 5        | Nyloc Nut M12                    | 8   | 0221-NYL12     |
| 6        | Washer Flat M12                  | 8   | 0231-F12       |



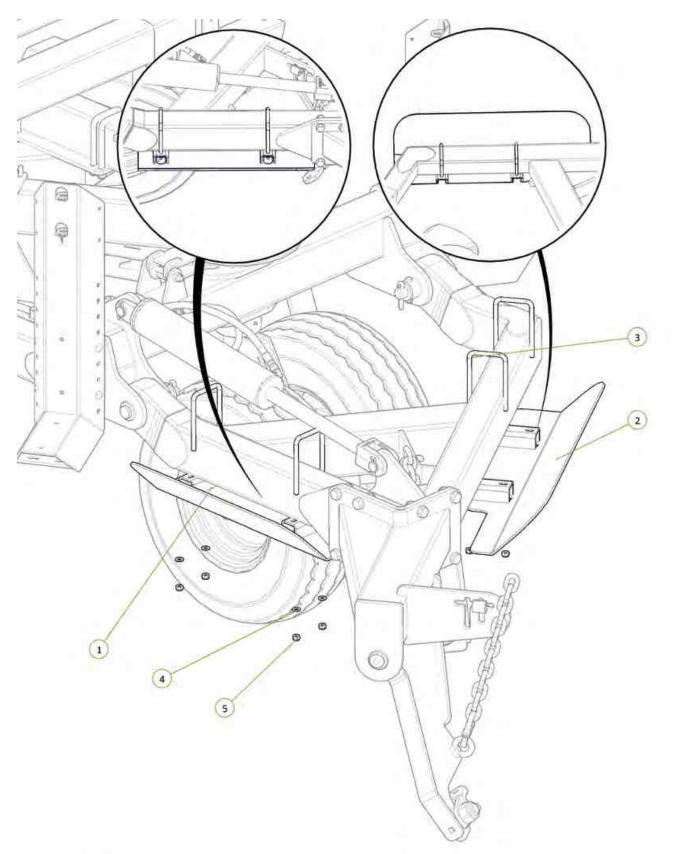




| Item No. | Description                |   | Number     |  |
|----------|----------------------------|---|------------|--|
| 1        | Module Cylinder Guard      | 1 | 0800-167.3 |  |
| 2        | M12 x 45 grade 8.8 ZP Bolt | 2 | 0211-1245  |  |
| 3        | Nyloc Nut M12              | 2 | 0221-NYL12 |  |

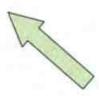




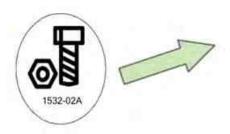


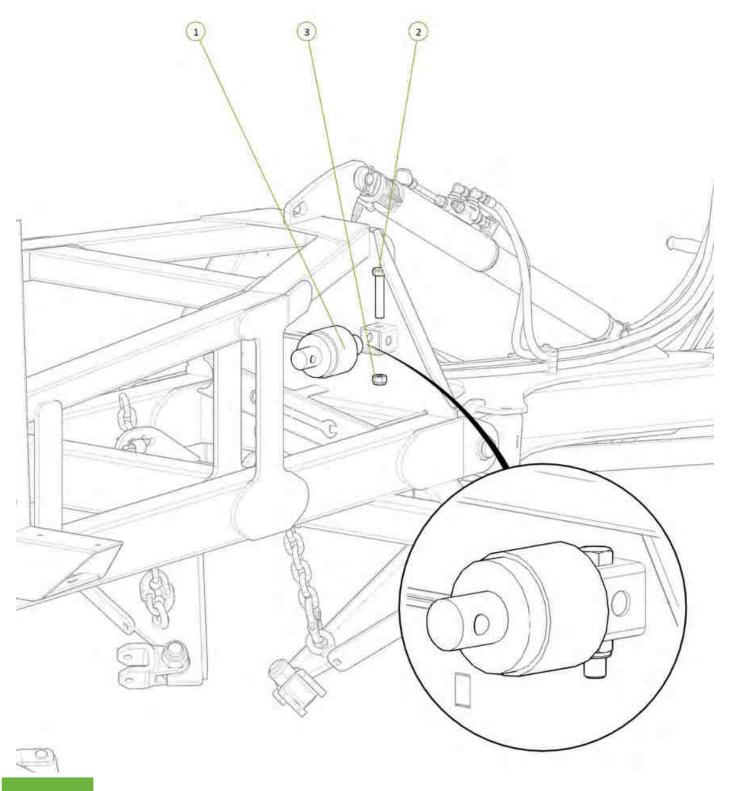
| Item No. | Description                      | Qty | Number        |
|----------|----------------------------------|-----|---------------|
| 1        | Tail Guard Short                 | 1   | 1510-242      |
| 2        | 9m Gen 2 RH Tail Guard           | 1   | 1510-231      |
| 3        | U-Bolt M12 x 185 Deep x 104 Wide | 4   | 0271-12185104 |
| 4        | Washer Flat M12                  | 8   | 0231-F12      |
| 5        | Nyloc Nut M12                    | 8   | 0221-NYL12    |



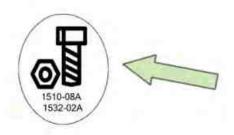


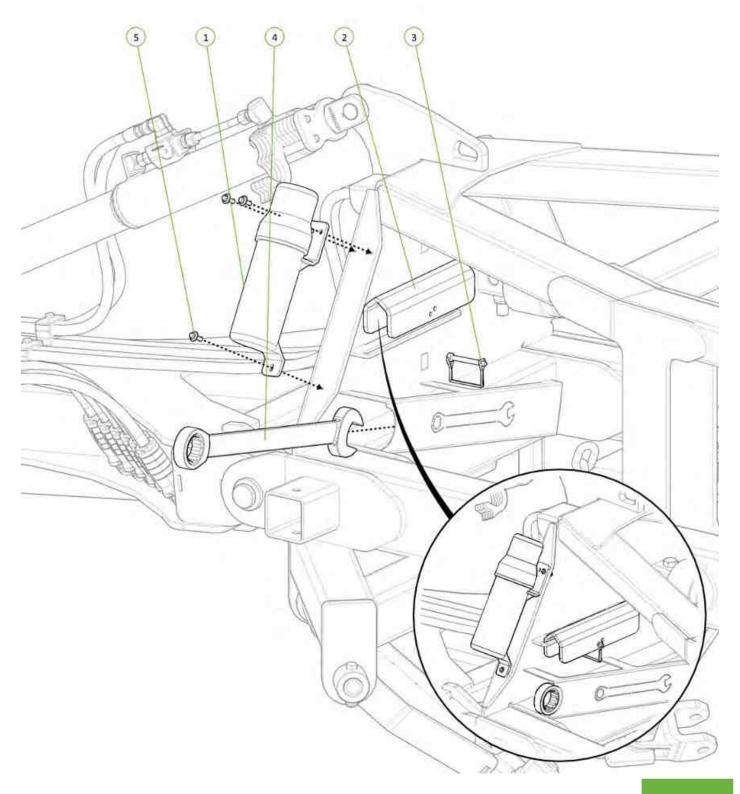
| Item No. | Description                               | Qty | Number        |
|----------|---|-----|---------------|
| 1        | 20mm Bolt Swivel Unit                     | 1   | 0802-PCHB55   |
| 2        | M20 x 110 grade 10.9 ZP Short Thread Bolt | 1   | 0211-20110 ST |
| 3        | Nyloc Nut M20                             | 1   | 0221-NYL20    |





| Item No. | Description                       | Qty | Number            |
|----------|-----------------------------------|-----|-------------------|
| 1        | Operator Manual Cannister         | 1   | 0801-OMC-1        |
| 2        | Cylinder Safety Stop              | 1   | 0800-212.1        |
| 3        | Square Loop Pin M8 x 63           | 1   | 0511-PINLOOPSQ863 |
| 4        | Ratcheting Gear Wrench 1 3/4"     | 1   | 0802-GW1 3-4      |
| 5        | M6 x 20 Trilobe self tapping Scew | 3   | 0211-M620MZPHTF   |



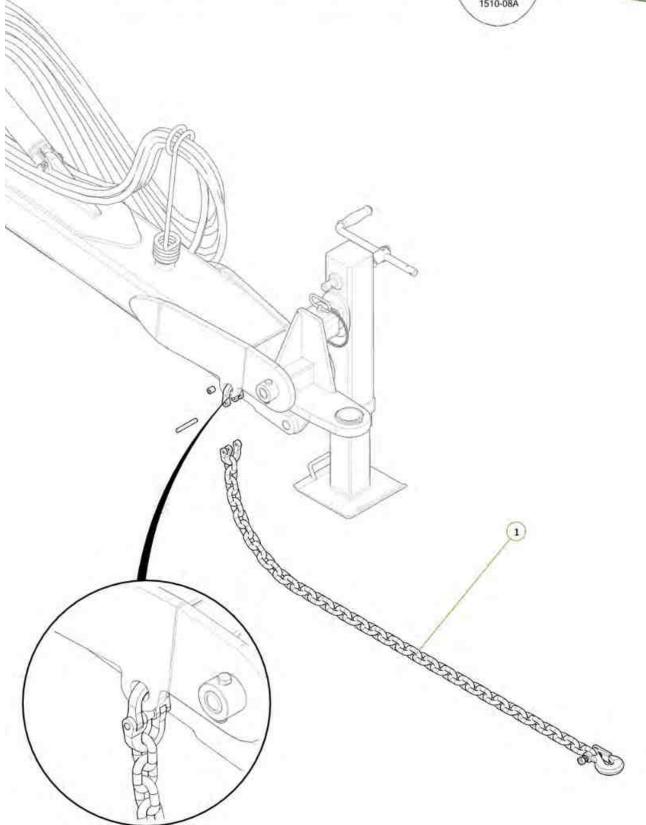


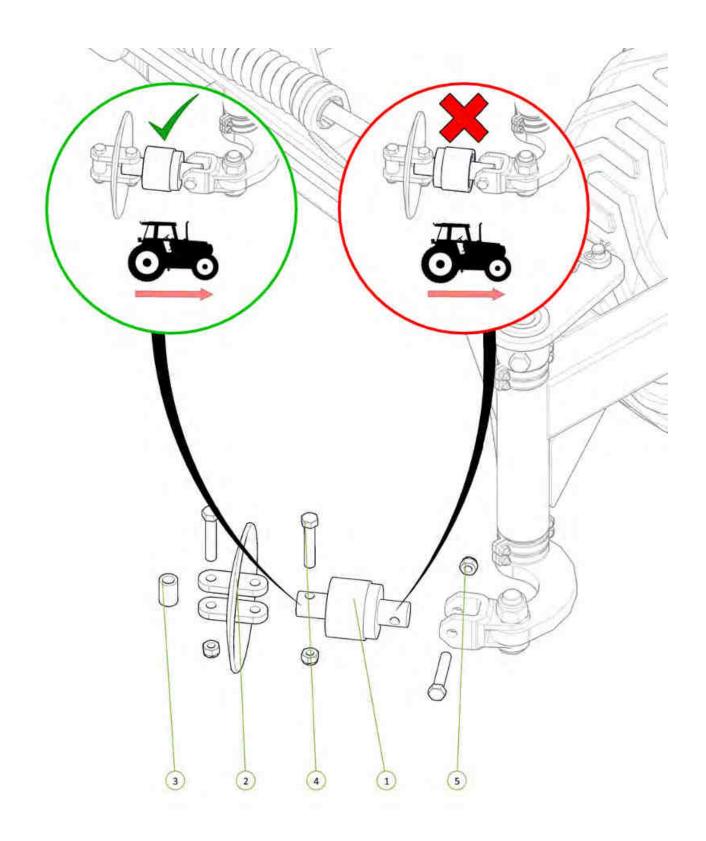
 Item No.
 Description
 Qty
 Number

 1
 Safety Chain Assembly
 1
 0810-16

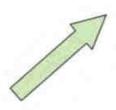


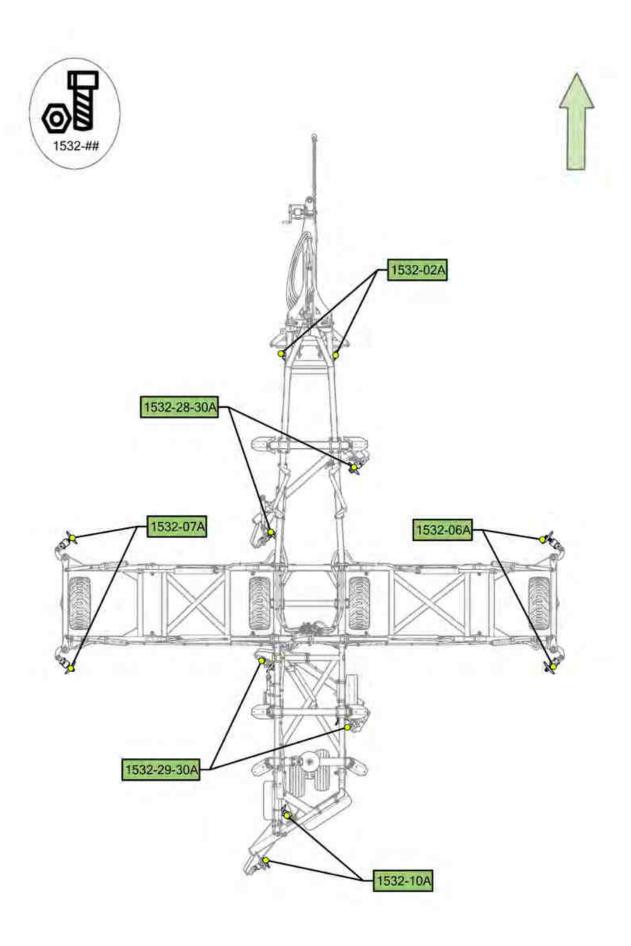


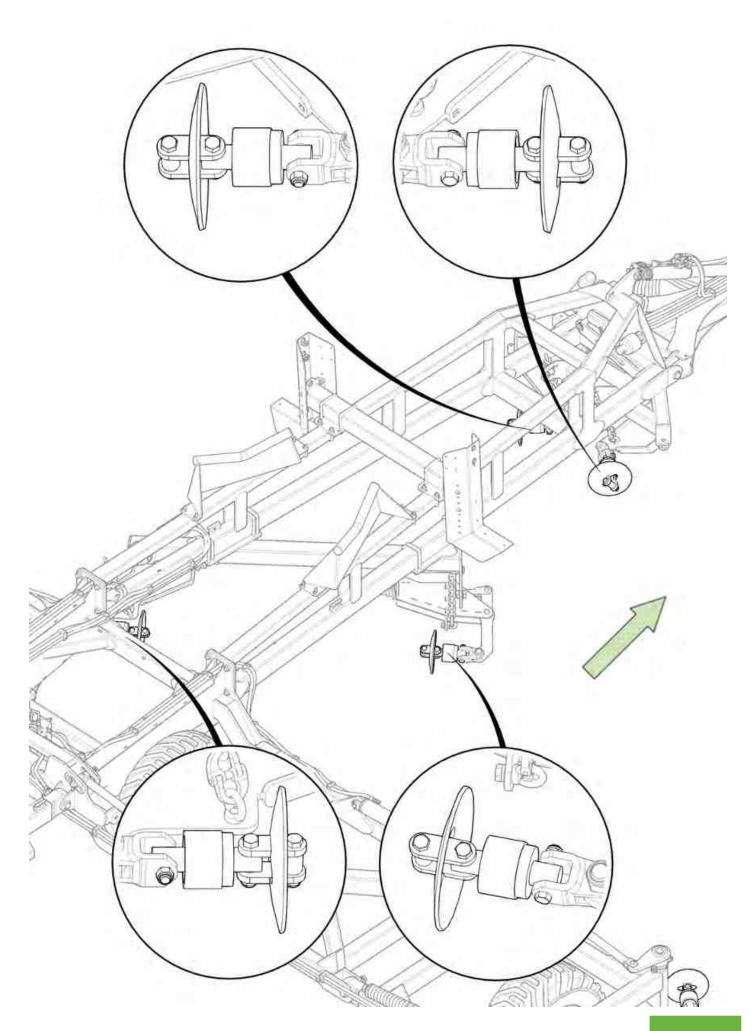


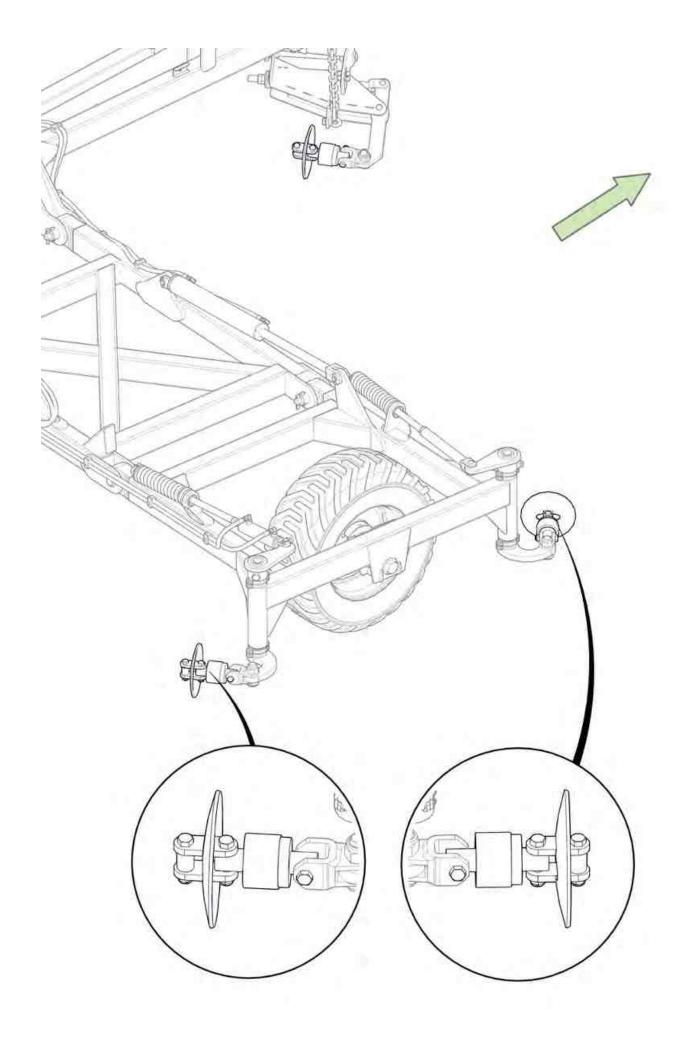


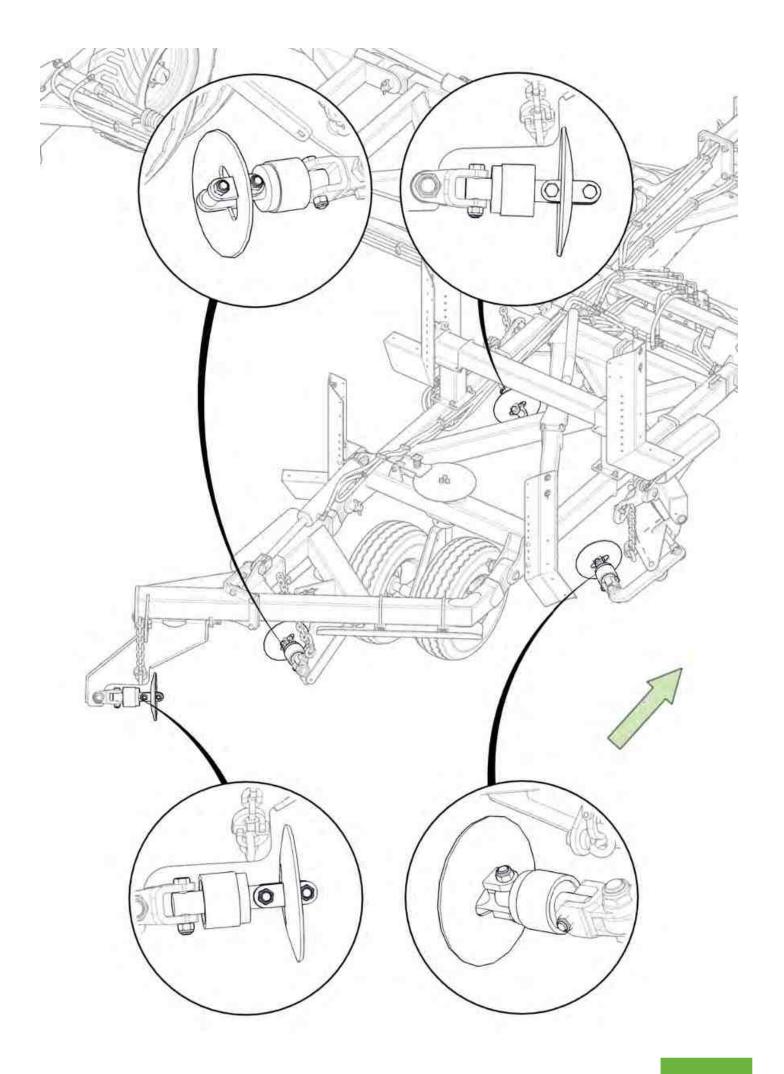
| Item No. | Description                               | Qty | Number        |
|----------|---|-----|---------------|
| 1        | 20mm Bolt Swivel Unit                     | 1   | 0802-PCHB55   |
| 2        | Disc Chain Tie Plate Link 20mm            | 1   | 0802-DCTP-20  |
| 3        | Tie Plate Bush                            | 1   | 0801-PCDCS55  |
| 4        | M20 x 110 grade 10.9 ZP Short Thread Bolt | 3   | 0211-20110 ST |
| 5        | Nyloc Nut M20                             | 3   | 0221-NYL20    |

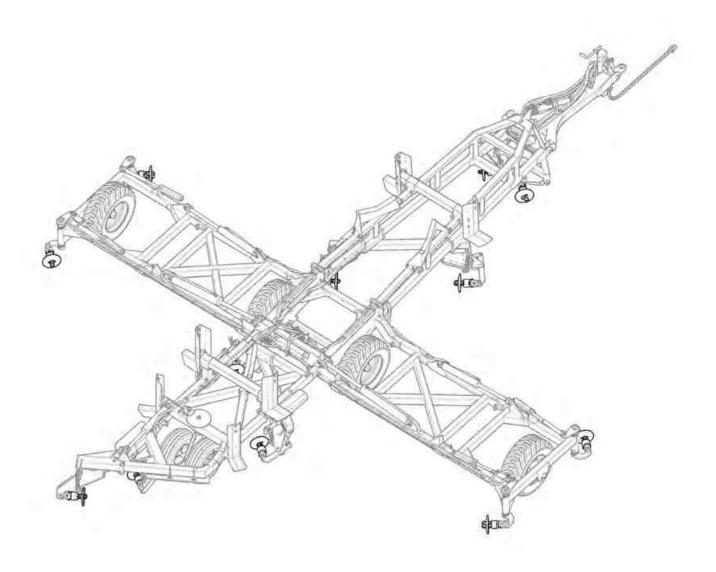










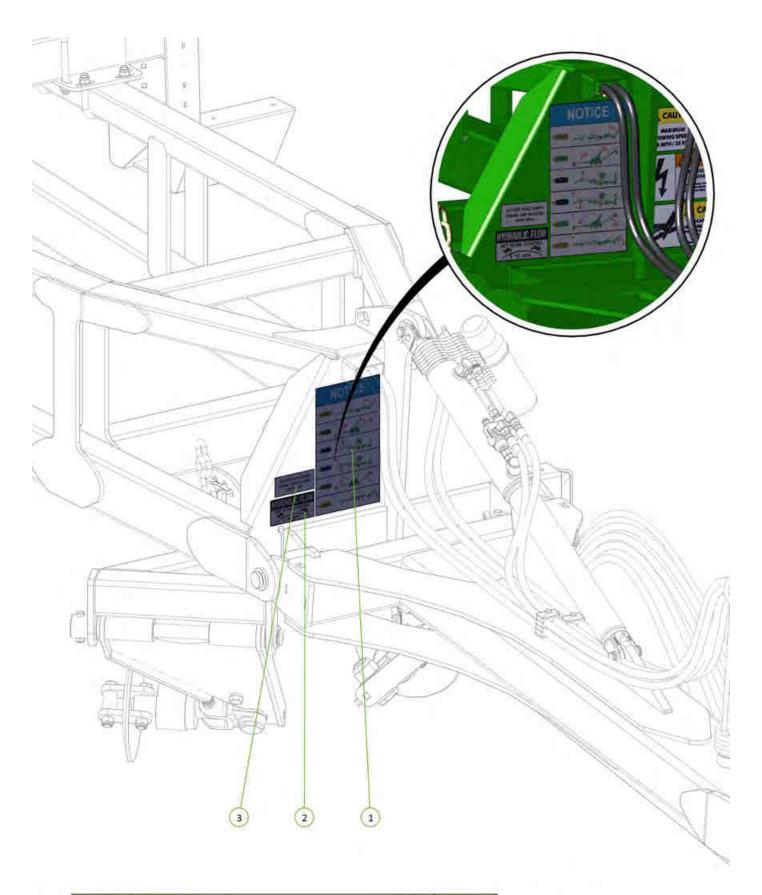


All bearings correctly orientated with seal facing rear of the machine

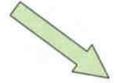
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| Signed                       | Date | 1 | 1 |
|------------------------------|------|---|---|
| Signed<br>Unit Serial Number |      |   |   |

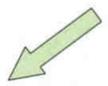
## Section 3 Decal Placement

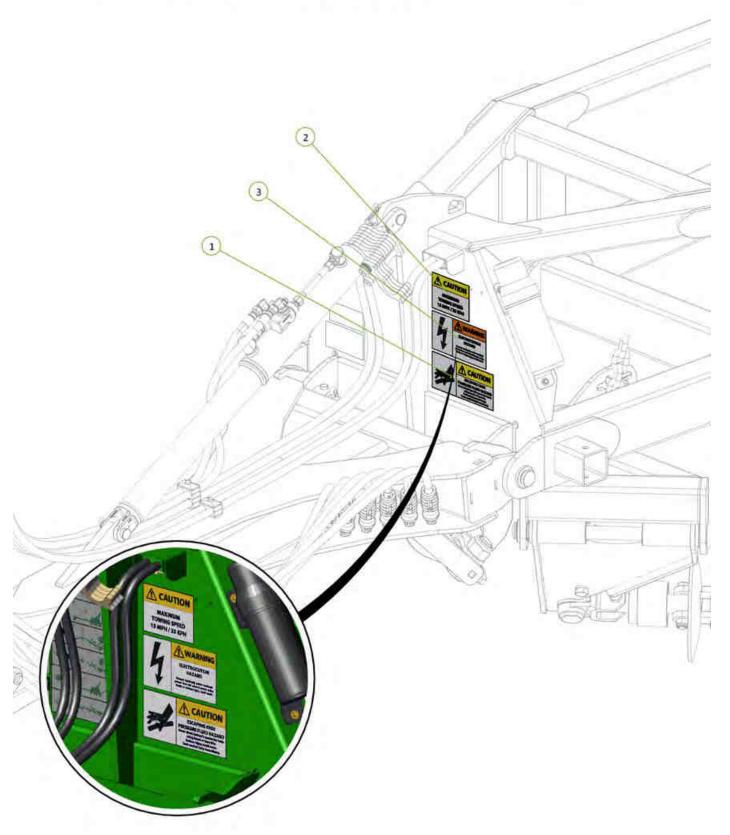


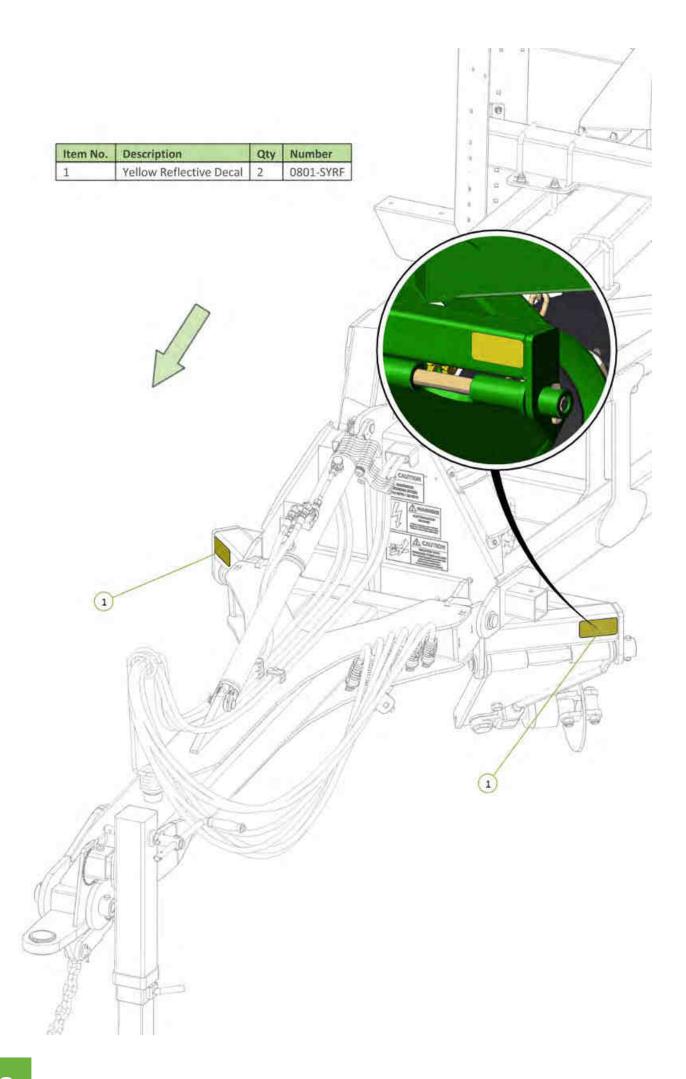
| Item No. | Description                                  | Qty | Number   |
|----------|--|-----|----------|
| 1        | 'NOTICE' Hydra Grip Sequence Decal 200x360mm | 1   | 0801-520 |
| 2        | Hydraulic Flow Decal                         | 1   | 0801-521 |
| 3        | Mud Folding Warning Decal                    | 1   | 0801-522 |

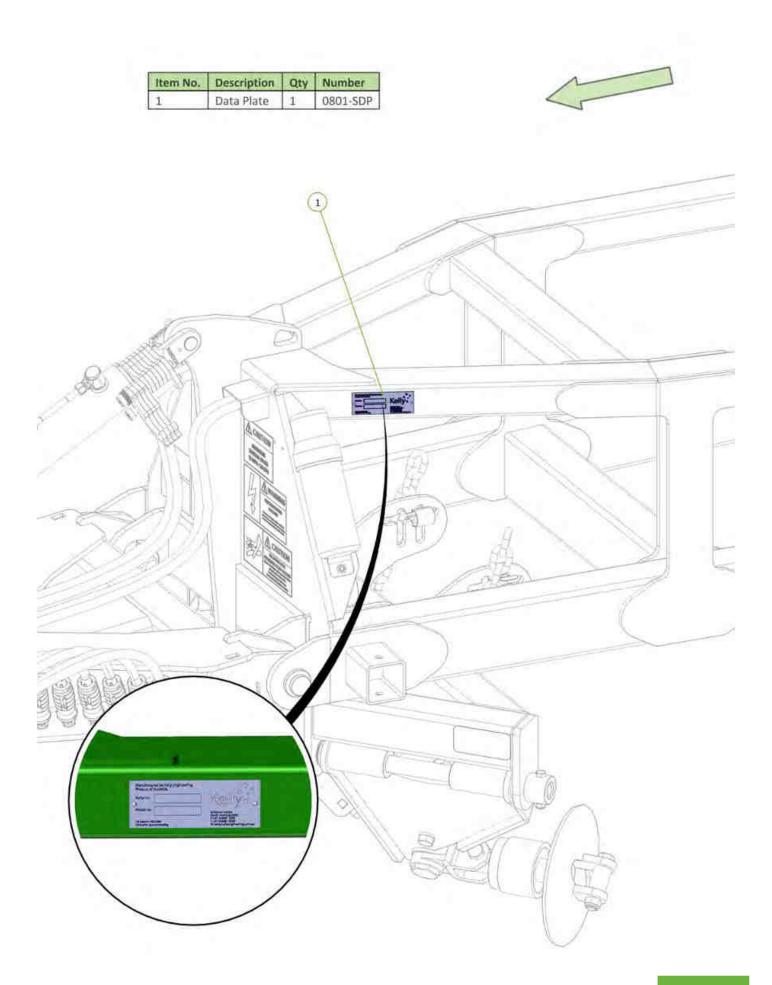


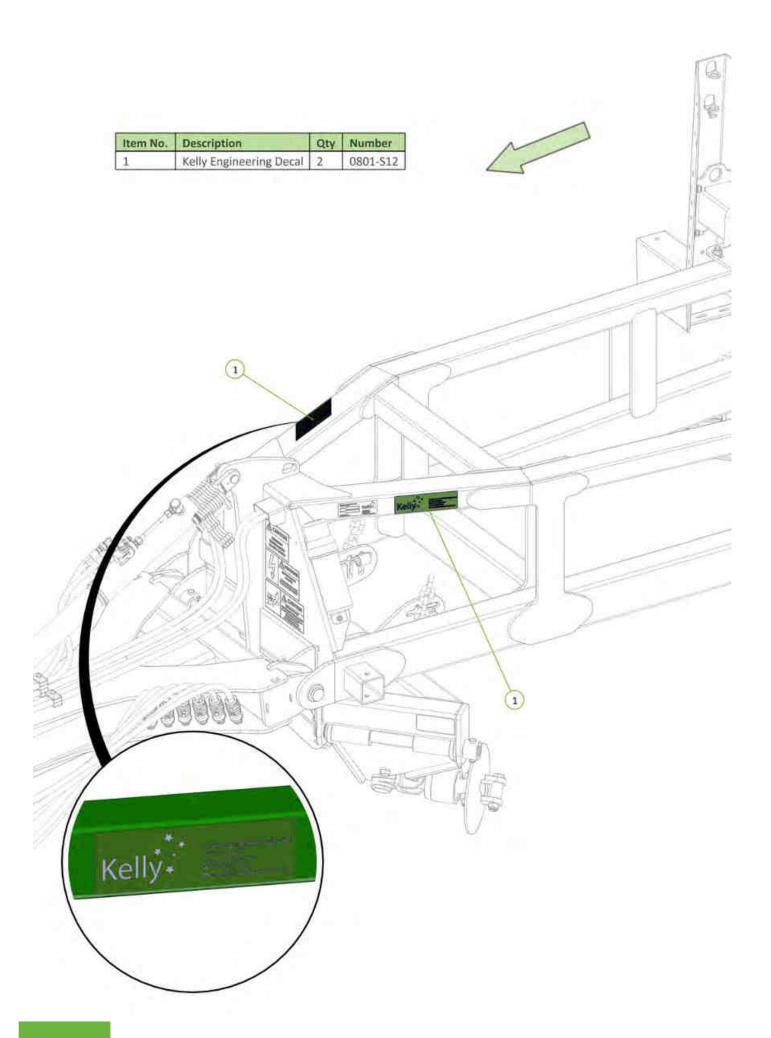
| Item No. | Description                      | Qty | Number  |
|----------|----------------------------------|-----|---------|
| 1        | Hydraulic Pressure Caution Decal | 1   | 0801-54 |
| 2        | Towing Speed Decal               | 1   | 0801-55 |
| 3        | Electrocution Hazard Decal       | 1   | 0801-56 |





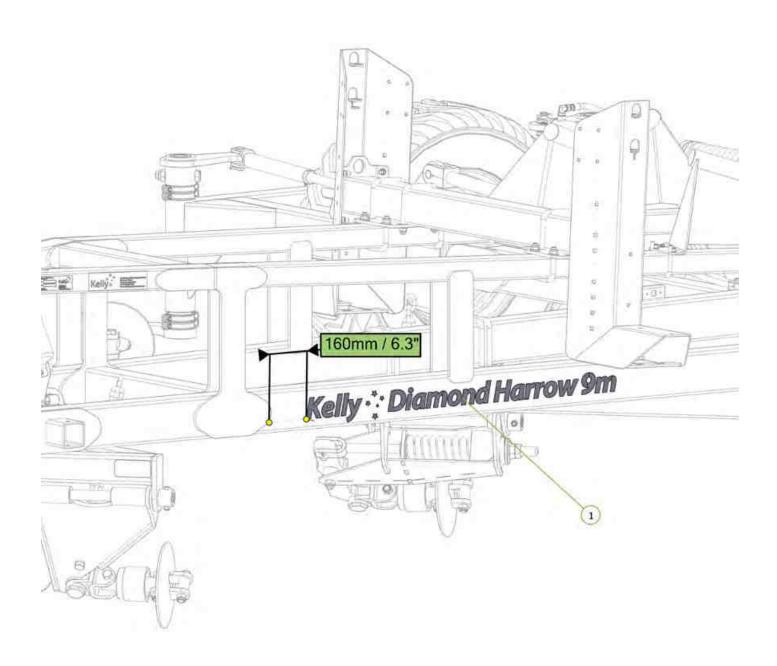






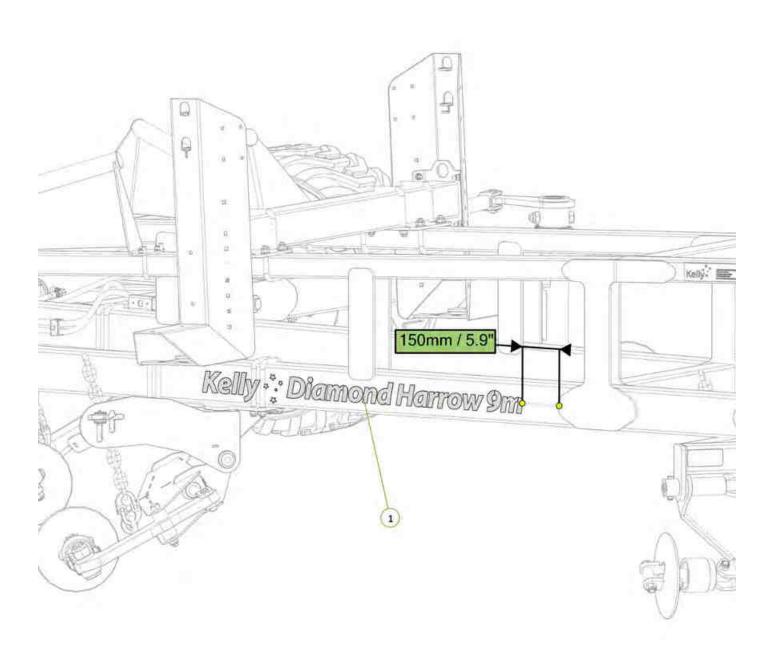
| Item No. | Description             | Qty | Number     |
|----------|-------------------------|-----|------------|
| 1        | Diamond Harrow 9m Decal | 1   | 0801-SKDH9 |

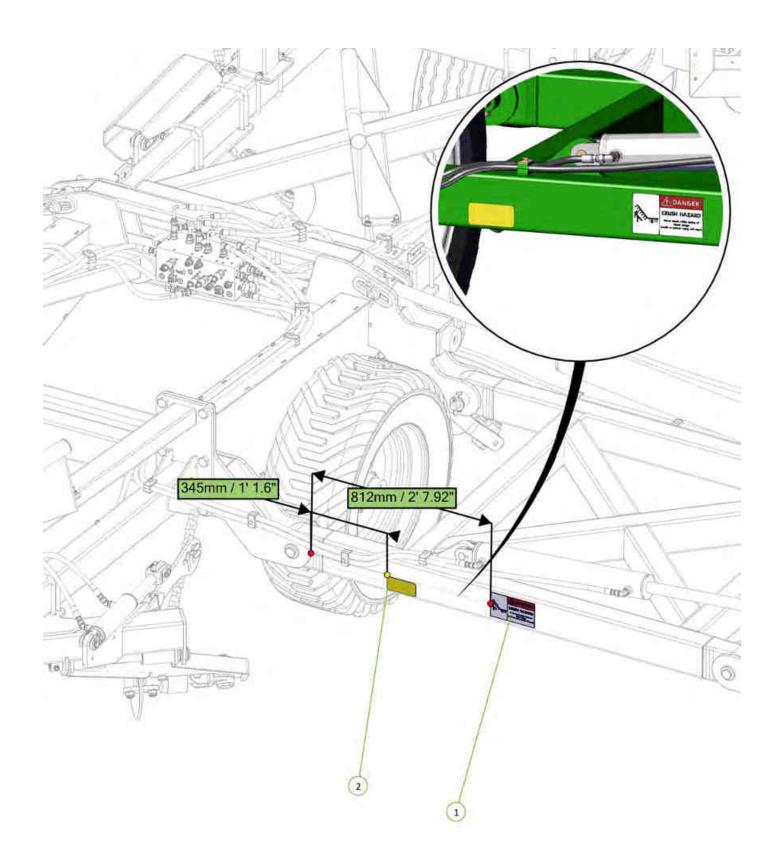




| Item No. | Description             | Qty | Number     |
|----------|-------------------------|-----|------------|
| 1        | Diamond Harrow 9m Decal | 1   | 0801-SKDH9 |

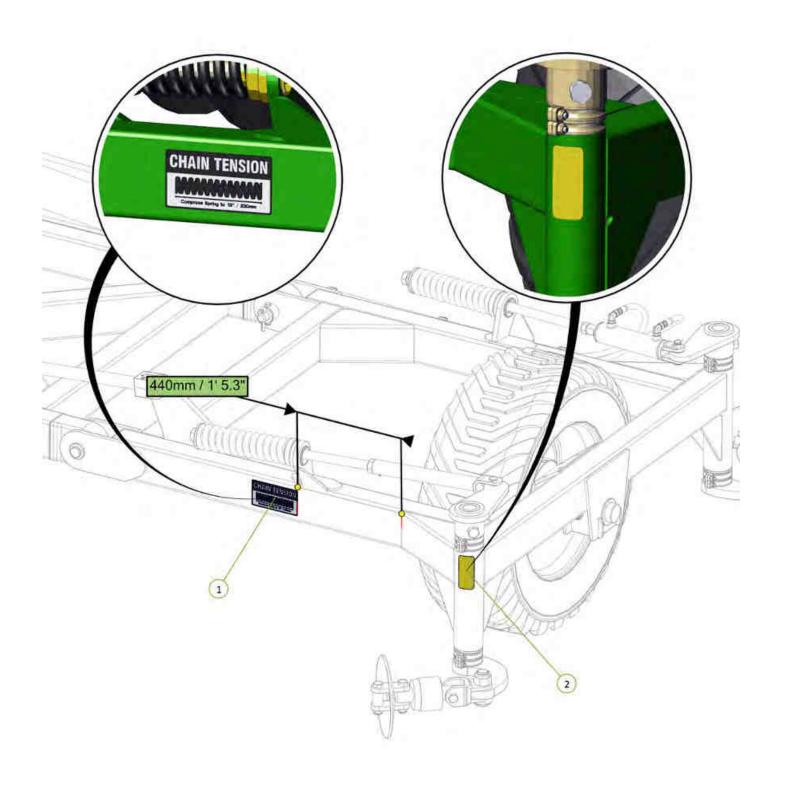






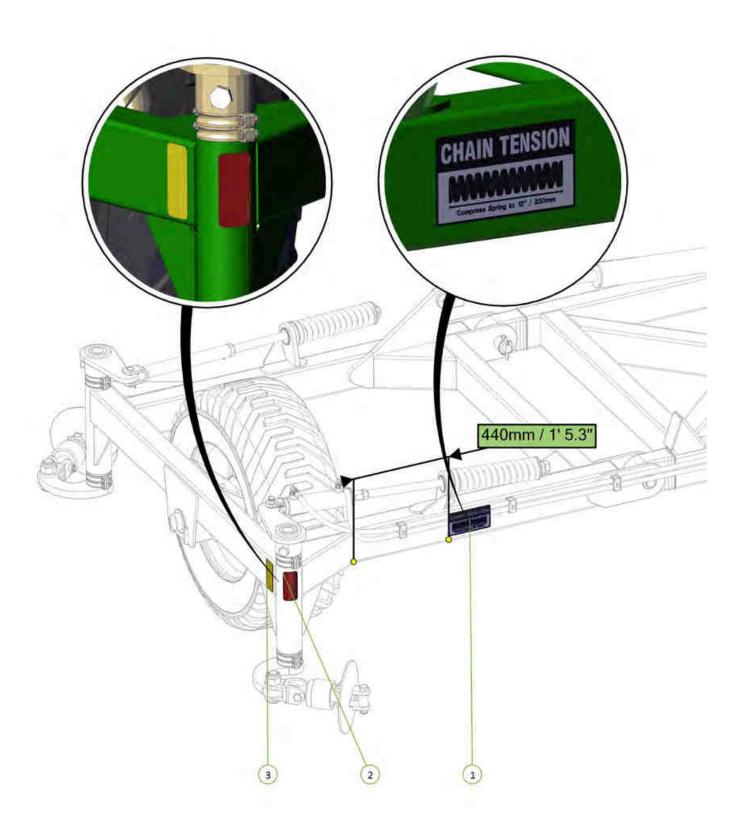
| Item No. | Description               | Qty | Number    |
|----------|---------------------------|-----|-----------|
| 1        | Danger Crush Hazard Decal | 1   | 0801-S3   |
| 2        | Yellow Reflective Decal   | 1   | 0801-SYRF |



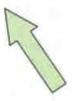


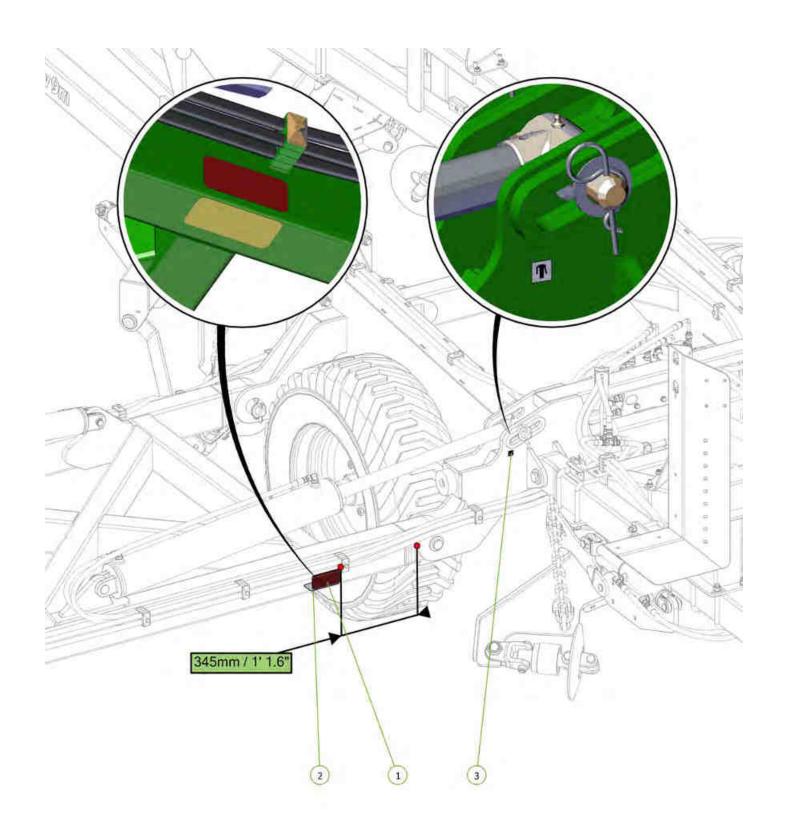
| Item No. | Description               | Qty | Number    |
|----------|---------------------------|-----|-----------|
| 1        | Chain Tension 330mm Decal | 1   | 0801-515  |
| 2        | Yellow Reflective Decal   | 1   | 0801-SYRF |





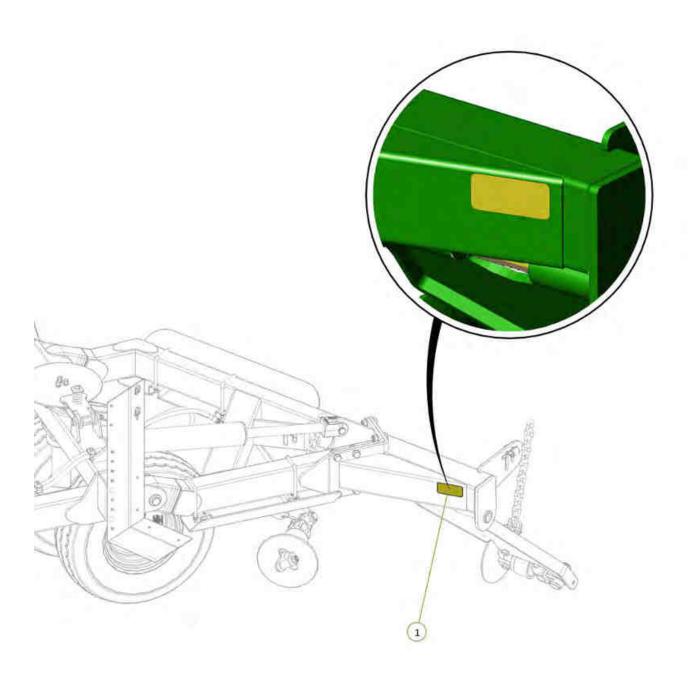
| Item No. | Description               | Qty | Number    |
|----------|---------------------------|-----|-----------|
| 1        | Chain Tension 330mm Decal | 1   | 0801-515  |
| 2        | Red Reflective Decal      | 1   | 0801-SRRF |
| 3        | Yellow Reflective Decal   | 1   | 0801-SYRF |



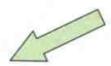


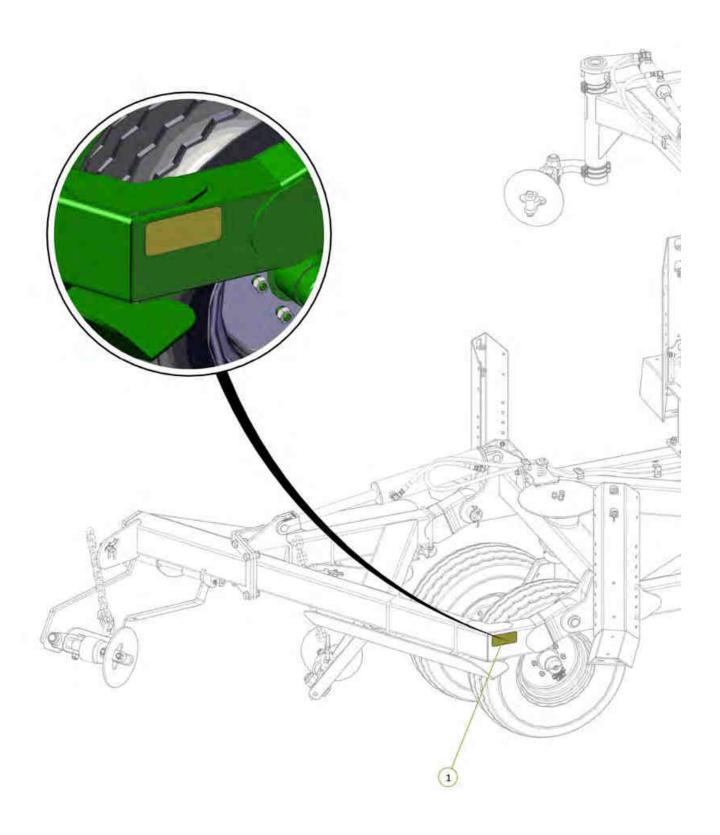
| Item No. | Description             | Qty | Number    |
|----------|-------------------------|-----|-----------|
| 1        | Red Reflective Decal    | 1   | 0801-SRRF |
| 2        | Yellow Reflective Decal | 1   | 0801-SYRF |
| 3        | Grease Decal            | 1   | 0801-S10  |



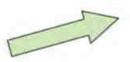


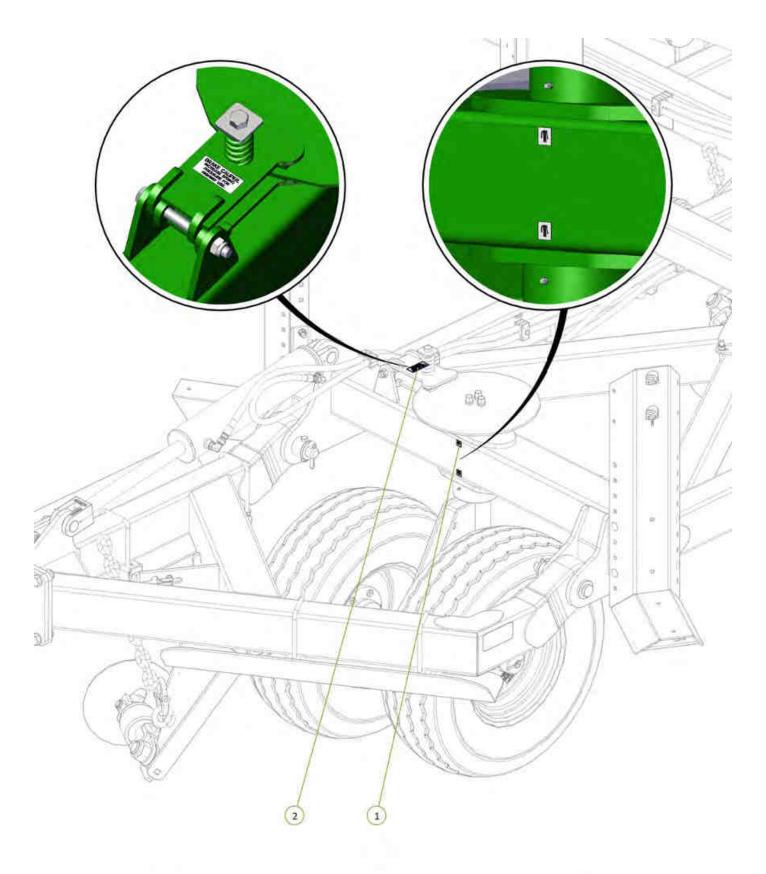
| Item No. | Description             | Qty | Number    |
|----------|-------------------------|-----|-----------|
| 1        | Yellow Reflective Decal | 1   | 0801-SYRF |





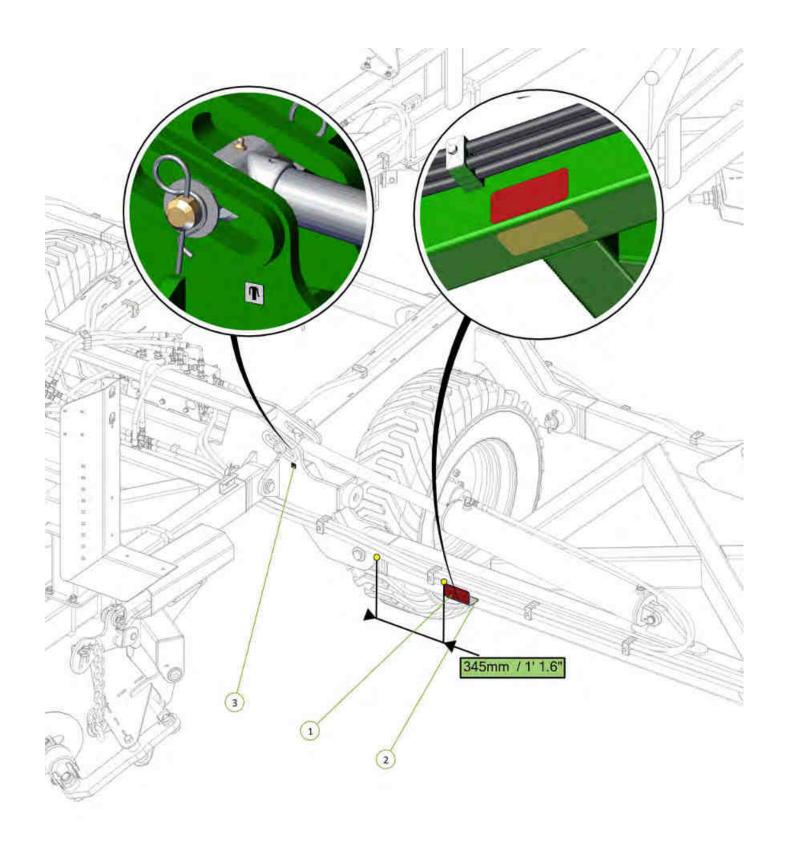
| Item No. | Description             | Qty | Number    |
|----------|-------------------------|-----|-----------|
| 1        | Yellow Reflective Decal | 1   | 0801-SYRF |





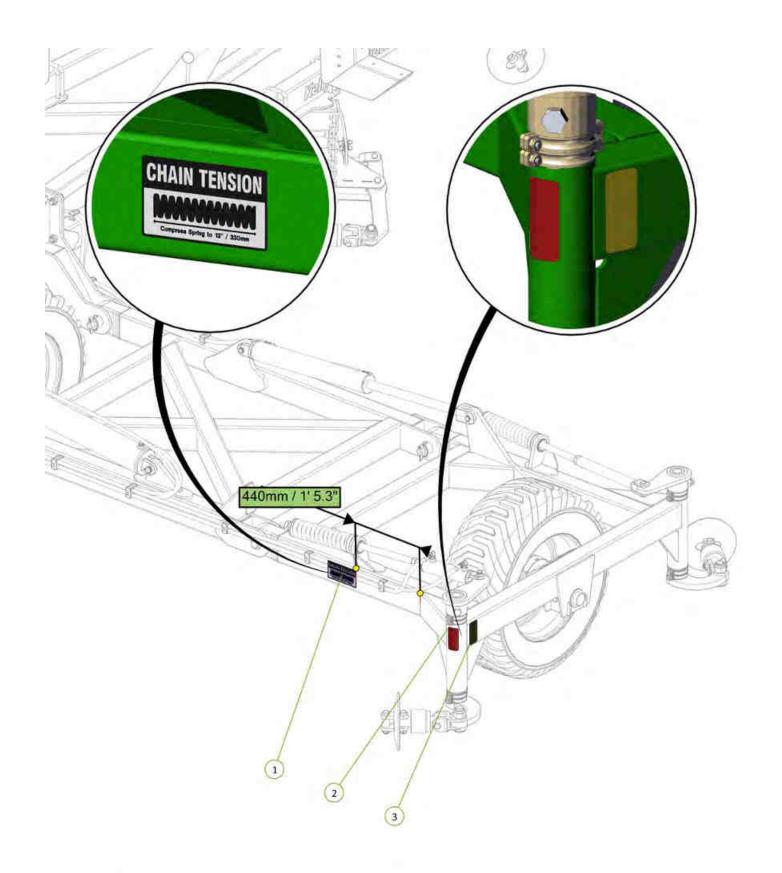
| Item No. | Description         | Qty | Number   |
|----------|---------------------|-----|----------|
| 1        | Grease Decal        | 2   | 0801-S10 |
| 2        | Brake Caliper Decal | 1   | 0801-511 |





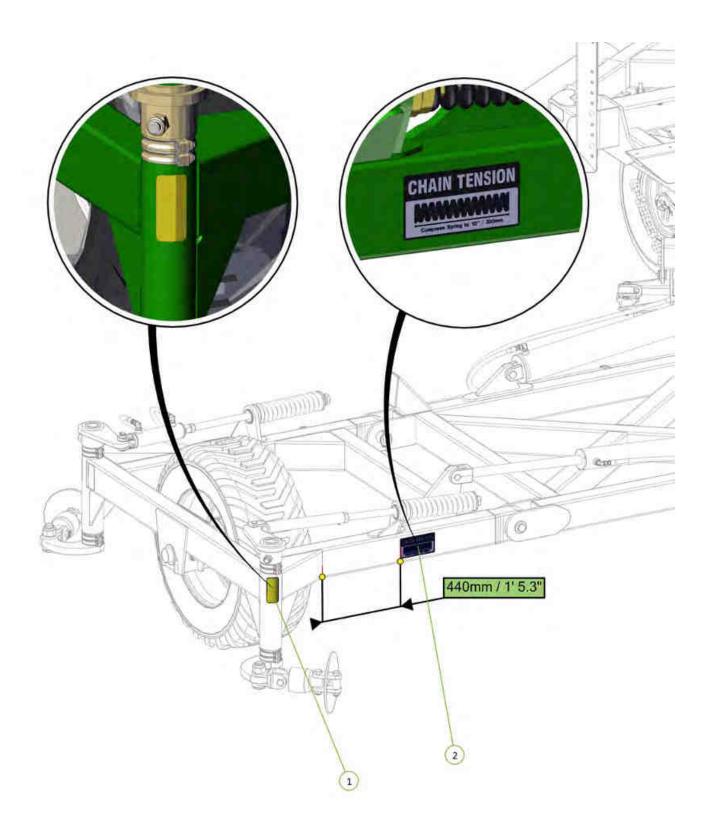
| Item No. | Description             | Qty | Number    |
|----------|-------------------------|-----|-----------|
| 1        | Red Reflective Decal    | 1   | 0801-SRRF |
| 2        | Yellow Reflective Decal | 1   | 0801-SYRF |
| 3        | Grease Decal            | 1   | 0801-510  |





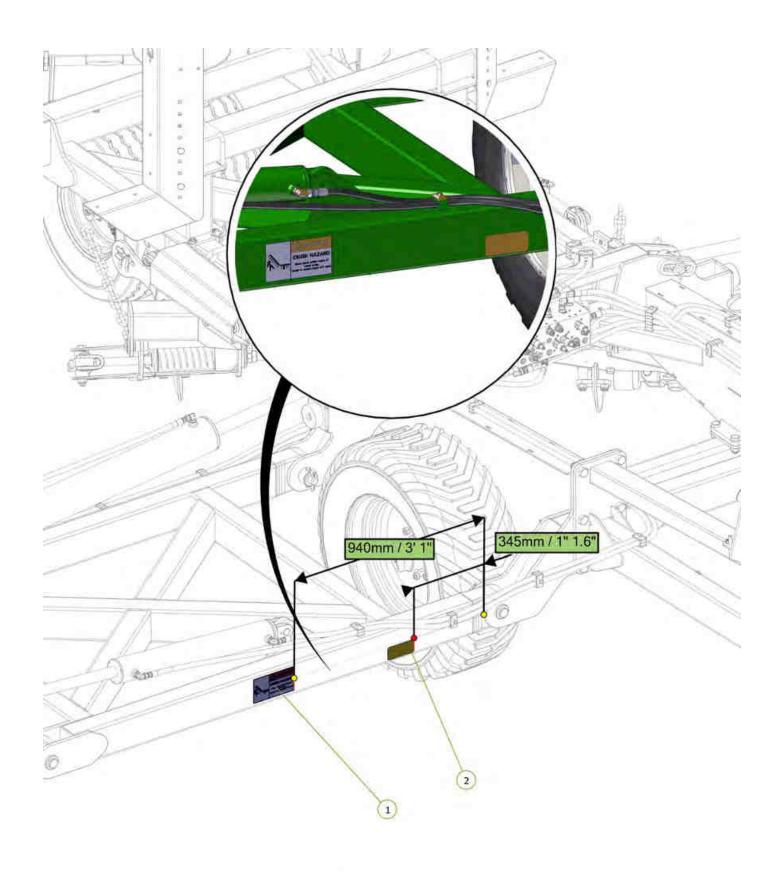
| Item No. | Description               | Qty | Number    |
|----------|---------------------------|-----|-----------|
| 1        | Chain Tension 330mm Decal | 1   | 0801-S15  |
| 2        | Red Reflective Decal      | 1   | 0801-SRRF |
| 3        | Yellow Reflective Decal   | 1   | 0801-SYRF |



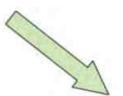


| Item No. | Description               | Qty | Number    |
|----------|---------------------------|-----|-----------|
| 1        | Yellow Reflective Decal   | 1   | 0801-SYRF |
| 2        | Chain Tension 330mm Decal | 1   | 0801-515  |



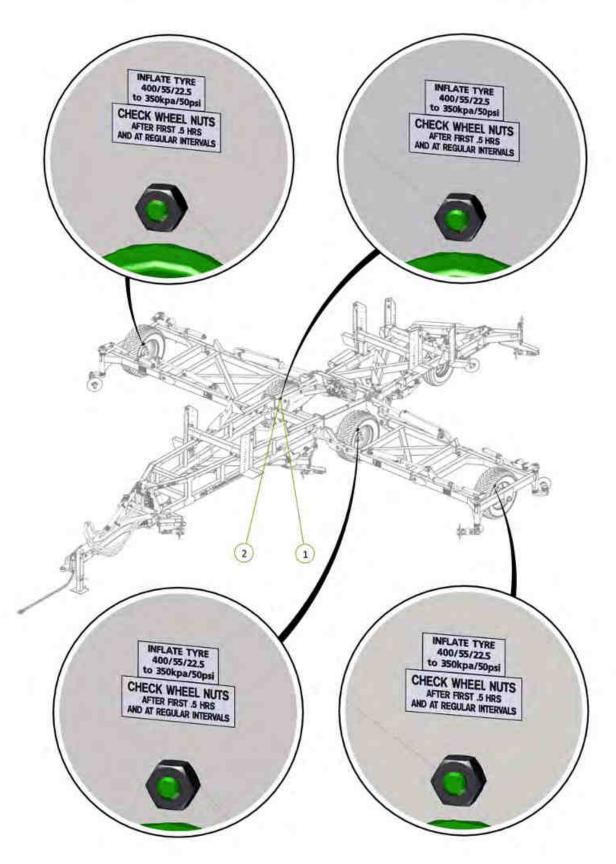


| Item No. | Description               | Qty | Number    |
|----------|---------------------------|-----|-----------|
| 1        | Danger Crush Hazard Decal | 1   | 0801-53   |
| 2        | Yellow Reflective Decal   | 1   | 0801-SYRF |



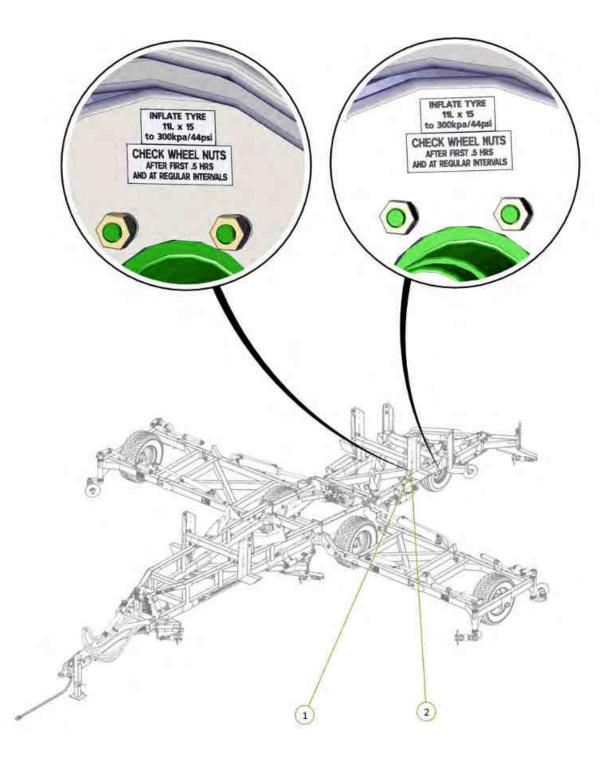
| Item No. | Description                       | Qty | Number              |
|----------|-----------------------------------|-----|---------------------|
| 1        | Wheel Nut Decal                   | 4   | 0801-59             |
| 2        | Decal, 400/55/22.5 Tyre Inflation | 4   | 0801-58-400-55-22.5 |





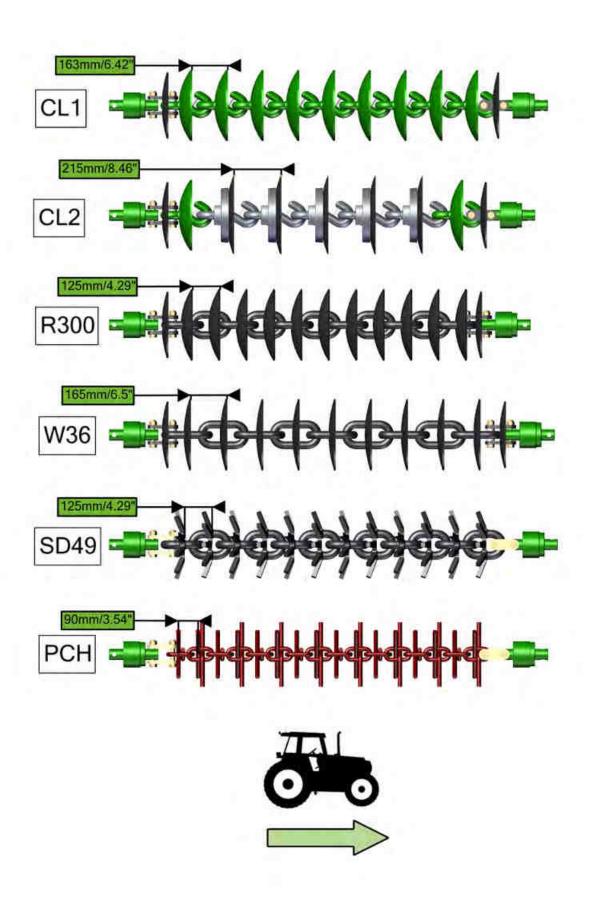
| Item No. | Description                  | Qty | Number         |
|----------|------------------------------|-----|----------------|
| 1        | Decal, 11L-15 Tyre Inflation | 2   | 0801-S8-11L-15 |
| 2        | Wheel Nut Decal              | 2   | 0801-59        |



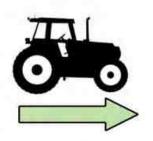


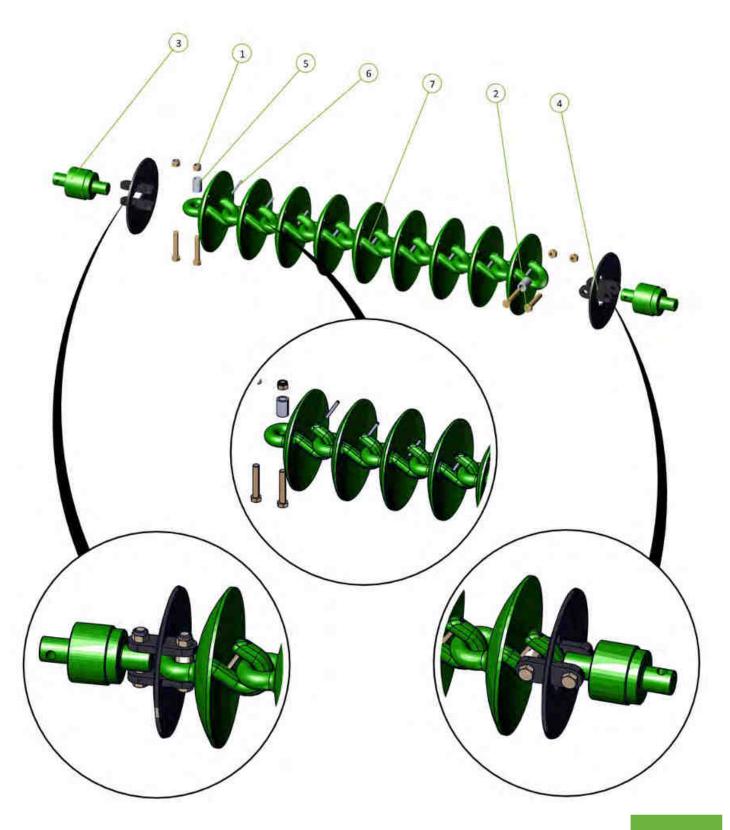


# Section 4 Chain Assembly



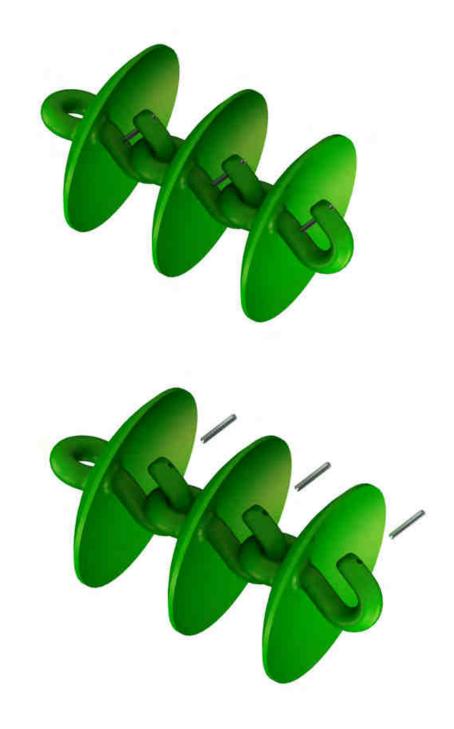
| Item No. | Description   | Number                      | Qty |
|----------|---|-----------------------------|-----|
| 1        | Nyloc Nut M20/24                                      | 0221-NYL20/24               | 4   |
| 2        | M20 x 110 / M24 x 120 grade 10.9 ZP Short Thread Bolt | 0211-20110ST/0211-24120ST   | 4   |
| 3        | 20/24mm Balt Swivel Unit                              | 0802-PCH855 / 0802-PCHB553  | 2   |
| Ä        | Disc Chain Tre Plate Link 20mm / 24mm                 | 0802-DCTP-20 / 0802-DCTP-24 | 2   |
| 5        | Tie Plate Bush  | 0801-PCDCS55                | 2   |
| 6        | Roll Pin Zinc Plated 3/8" x 3"                        | 0262-3-8X3                  | 1   |
| 7        | CL1-B Chain Disc Link                                 | 0803-CL1                    | 1.  |



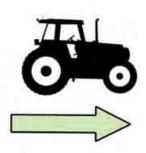


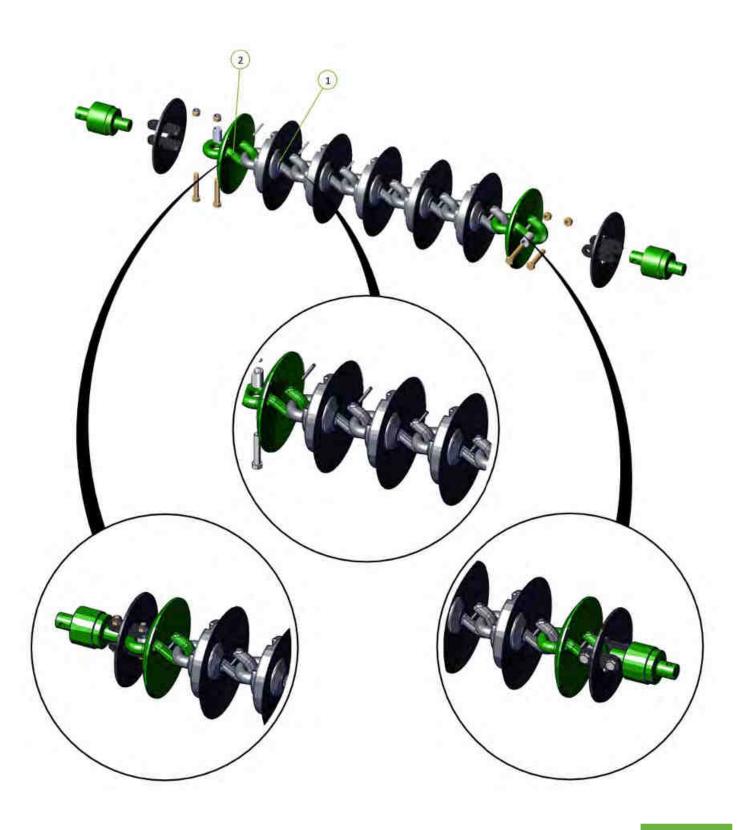
## **Fitting Cast Link Pins**

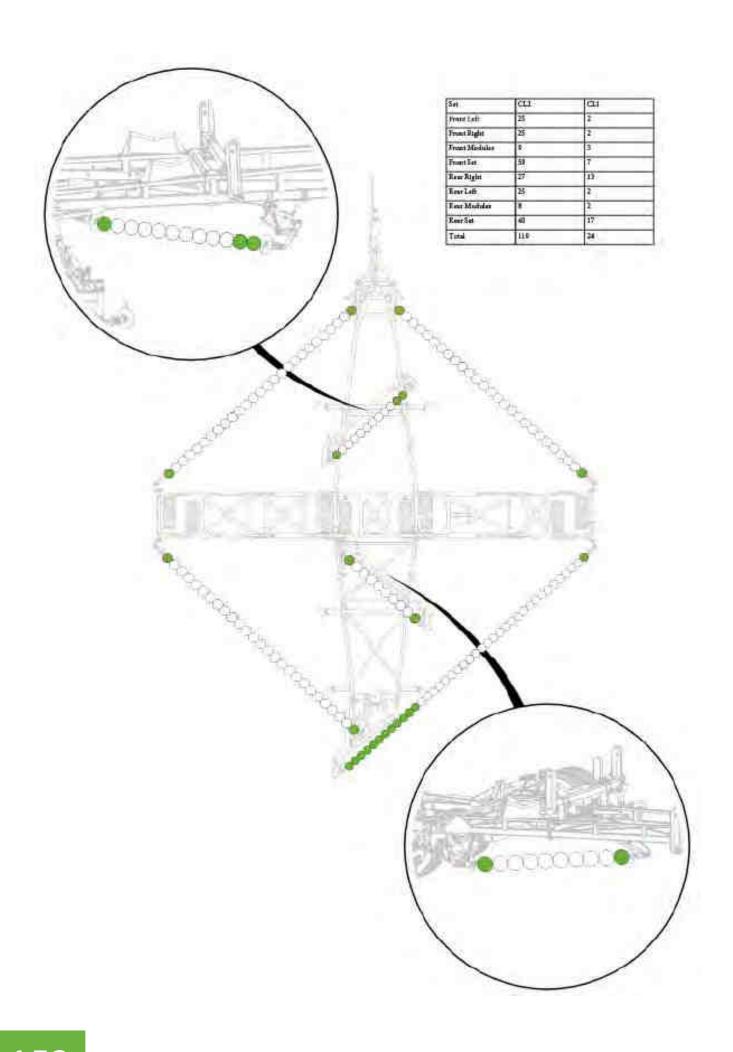
Please install cast link retaining Pins (3/8" x 3" Roll Pin, part number 0262-3-8X3) on all cast disc links. Failure to do this could lead to the discs becoming dislodged during transport causing severe damage or injury.



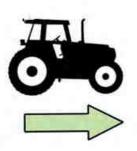
| Item No. | Description            | Number   | Qty |
|----------|------------------------|----------|-----|
| 1        | 0803-CL2-Link Assembly | 0803-CL2 | 1   |
| 2        | CL1-B Chain Disc Link  | 0803-CL1 | 1   |

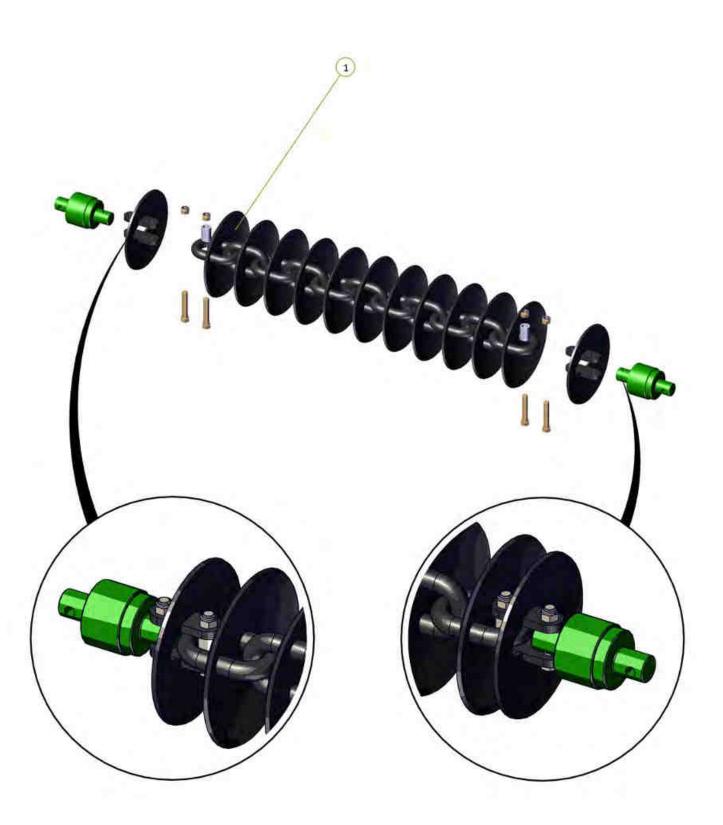




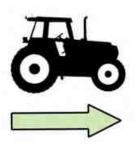


| Item No. | Description     | Number    | Qty |  |
|----------|-----------------|-----------|-----|--|
| 1        | R300 Chain Link | 0803-R300 | 1   |  |



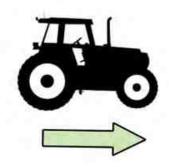


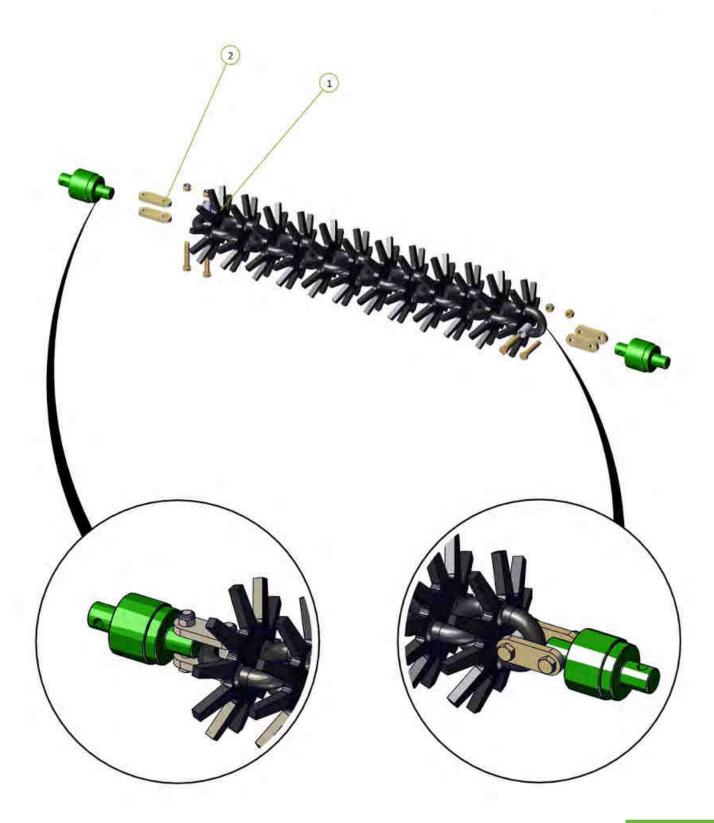
| Item No. | Description       | Number   | Qty |
|----------|-------------------|----------|-----|
| 1        | W36/25 Chain Link | 0803-W36 | 1   |



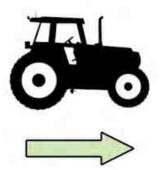


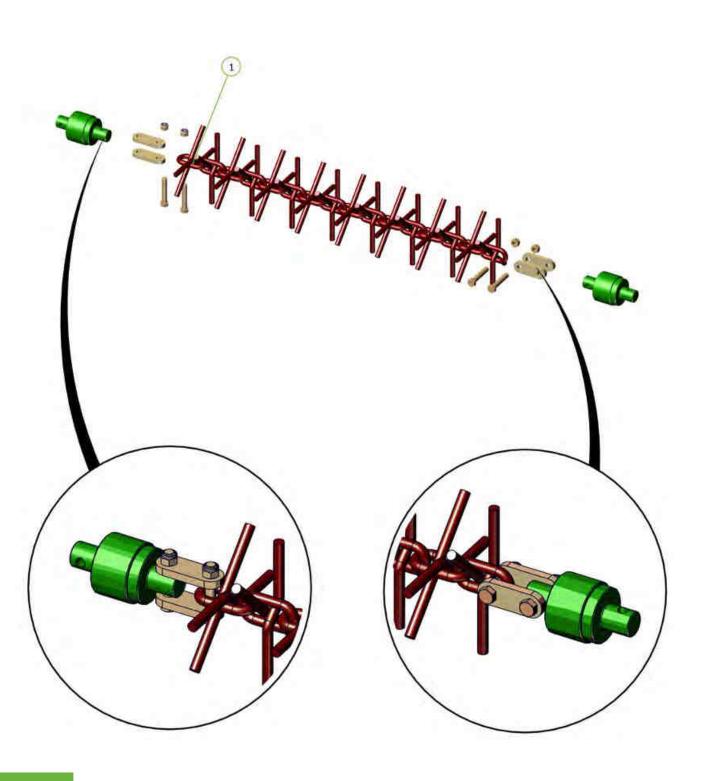
| Item No. | Description                                      | Number                | Qty |
|----------|--|-----------------------|-----|
| 1        | 10 Spike Disc Chain 49/27/5                      | 0803-SD49             | 1   |
| 2        | Tie Plate For 20mm Bolt/ Tie Plate For 24mm Bolt | 0800-83.2 / 0800-83.3 | 4   |



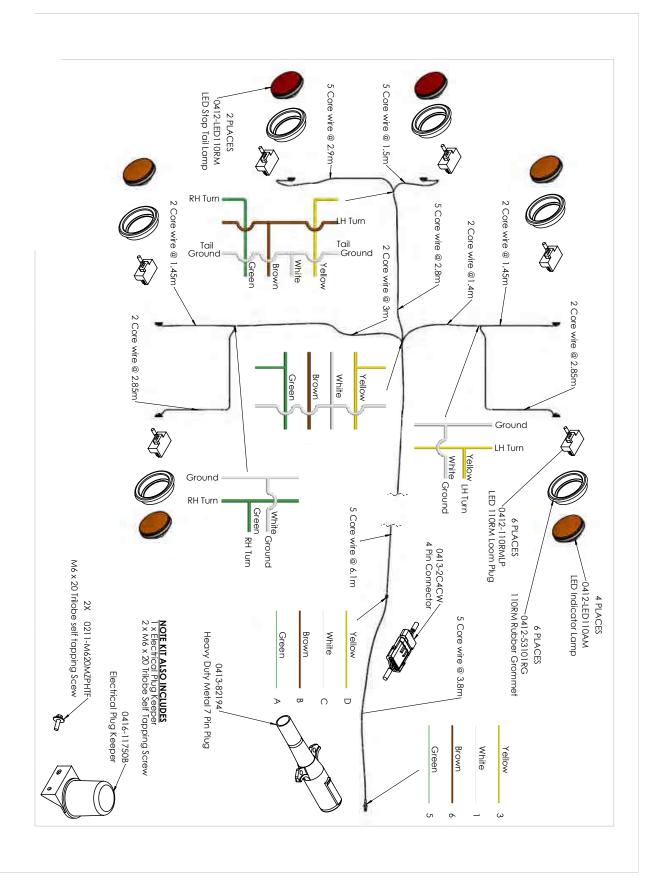


| Item No. | Description        | Number   | Qty |
|----------|--------------------|----------|-----|
| 1        | Prickle Chain Link | 0803-PCH | 1   |





# **Section 5**Diagrams & Specifications



## **Operating speeds**

| Operating speeds for normal conditions |                      |  |
|--|----------------------|--|
| Chain type                             | Speed                |  |
| Prickle Chain                          | 6-10 mph / 10-16 kph |  |
| Disc Chain                             | 6-8 mph / 10-12 kph  |  |
| Transport / towing on roads            | 15 mph / 25 kph      |  |

## Tyre pressure

| Tyre size   | Ply | PSI (Maximum) | KPA (Maximum) |
|-------------|-----|---------------|---------------|
| 400/55/22.5 | 16  | 60            | 413           |
| 11L - 15    | 10  | 44            | 300           |

## **Chain Harrow specifications**

| Model                   | 3009NT |
|-------------------------|--------|
| Working width           | 8.99m  |
| <b>Transport width</b>  | 3.50m  |
| <b>Transport height</b> | 4.10m  |
| <b>Transport length</b> | 12.01m |

### **Chain Quantities**

#### **Disc Chain lengths**

| Model  |              | Length | CL2   | CL1 | W36 | R300 | SD49 | Prickle chain |
|--------|--------------|--------|---|-----|-----|------|------|---------------|
|        |              |        | CL2 disc<br>chain also<br>requires<br>CL1 disc<br>chain |     |     |      |      |               |
| 3009NT | Front right  | 5.73m  | CL2 - 25<br>CL1 - 2                                     | 35  | 34  | 46   | 46   | 64            |
|        | Front left   | 5.74m  | CL2 - 25<br>CL1 - 2                                     | 35  | 34  | 46   | 46   | 64            |
|        | Rear right   | 7.86m  | CL2 - 27<br>CL1 - 13                                    | 48  | 46  | 33   | 33   | 87            |
|        | Rear left    | 5.80m  | CL2 - 25<br>CL1 - 2                                     | 35  | 34  | 46   | 46   | 64            |
|        | Front module | 2.35m  | CL2 - 9<br>CL1 - 3                                      | 14  | 14  | 19   | 19   | 26            |
|        | Rear module  | 2.03m  | CL2 - 8<br>CL1 - 2                                      | 12  | 12  | 16   | 16   | 22            |

For correct chain tension, chain links may need to be removed from the end of the chain as follows:

CL2 Disc Chain - unhook disc chain link/s from end of the disc chain CL1 Disc Chain - unhook disc chain link/s from end of the disc chain K4 Disc Chain - unhook disc chain link/s from end of the disc chain Spiked Disc Chain - cut a disc chain link from the end of the disc chain R300 Disc Chain - cut a disc chain link from the end of the disc chain W36 Disc Chain - cut a disc chain link from the end of the disc chain Prickle Chain - cut a prickle chain link from the end of the prickle chain

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# Section 6 Operation

#### **Basic Operating & Chain Tension**

#### **Basic Operation**

#### **Unfolding:**

- 1. Remove transport safety stop.
- 2. Walk around and inspect the machine.
  - a. Check that chains are not hooked on framework
  - b. Check swivel bolts are in place and not broken
  - c. Check th at height adjusting chains have not fallen out of their slotted plates during transport.
  - d. Ensure front lift cylinder depth stops are fully engaged on cylinder shaft.
- 3. Lower front A frame to working height.
- 4. Unfold wings holding the hydraulic lever until both the main center cylinder pins have centered in their slots. (If chain pulls tight during unfold, stop and inspect if chain is hooked)
- 5. Lower rear tail by holding hydraulic lever until tail and modules are completely lowered to working position and the wing de-tensioning cylinders are fully retracted, tensioning the chain.
- 6. Walk around and check that all chain links are straight and that working height of all swivels is correct for field conditions. Adjust if necessary.
- 7. Move off with all chains in working position. If neccessary it is acceptabe to raise front A pull to transport height. This will lift the front chains off the ground and reduce the load on the tractor. Lower the front A pull once moving satisfactorily.

#### **Folding:**

- 1. Lower the front A frame to working height. (This is important to ensure that all chains locate correctly in their transport rests).
- 2. Raise the Rear Tail and modules by holding the hydraulic lever until they come to a complete stop.
- 3. Fold the wings. They should move as follows; main center cylinders will retract, one or both, until the wings stand vertically. The left outer wing then the right outer wing will fold down.
- 4. Raise front A frame to transport height.
- 5. Walk around and check that chains have located correctly in transport rests.
- 6.Install transport safety stop.

#### Setting for correct chain tension

#### Wings

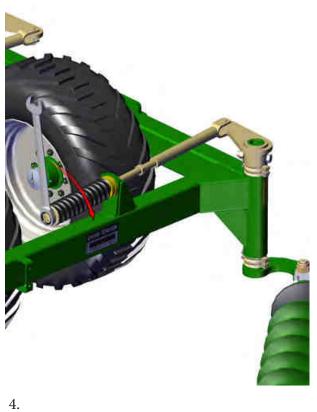
Use the spanner supplied. Loosen the lock nut adjacent to the tensioner assembly body.

Turn the tension bolt clockwise to compress the coil spring to 330mm / 12.4". Correct tension is acheived when spring retains its set length when operator rolls the chain fore and aft on the ground. Retighten the lock nut.

When less than 4" (100mm) of thread remains visible on the adjustor bolt then a link must be removed from the chain.

1. 2.





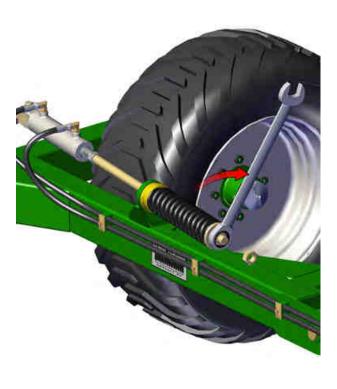
3.



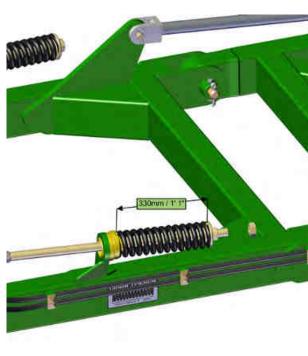


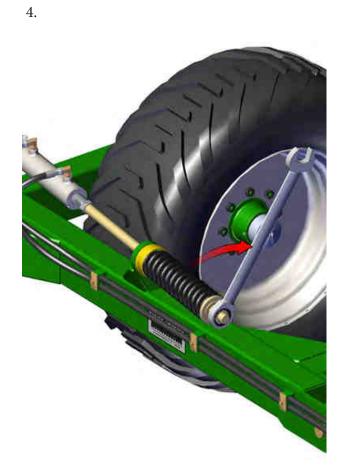
1. 2.





3.





#### **Modules**

Loosen the lock nut on the draw bolt.

Tighten the adjusting nut clockwise until the outer face of the spring retaining washer is flush with the body of the module tensioning unit.

Retighten the lock nut.

If more than 8" (200mm) of thread is exposed then a link should be removed to maintain correct adjustment.





#### Importance of chain tension

#### **Operational**

It is imperative that the correct adjustment be maintained. Only through correct adjustment can a smooth and level finish be achieved in field working.

Loose chains lead to:

- Uneven performance across the width of the machine
- Uneven weed control
- Unsatisfactory incorporation
- Ineffective levelling
- Accelerated or premature chain wear
- Chains failing to engage with transport locators when folded
- Machine damage when folding or unfolding
- Uneven field surface with ridges and furrows being created. The leading 1/3rd of a loose chain is much more aggressive than the trailing 1/3rd and the center. This will mean that middle of the machine's front pair of chains will aggressively move soil outwards. The machine's rear pair of chains, if loose, have their aggressive 1/3rd near the wing extremity. It follows then that as the front discs push soil outwards, the least aggressive portion of the rear chain follows them and does not balance the soil movement. This is exacerbated at the wings, effectively creating a broad ridge about halfway out each wing. It won't be evident in one pass, but is possible if care is not taken over time.

A correctly adjusted machine will not have this problem.

## Settings for correct working height

To adjust the swivel height at the wings, relocate one of the polyurethane spacers either above or below the fixed mounting tube.

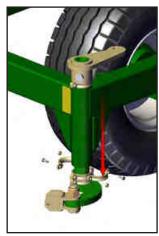
#### **Adjustment**

| 1 | Loosen chain tension completely  |
|---|--|
| 2 | Undo 2 x M10 bolts from corresponding spacer set and take the two halfs off of the drop leg tube |
| 3 | Replace it in the selected position after raising or lowering the drop leg                       |
| 4 | Reinstall the M10 bolts and re-tension the chain   |

It is possible to install all spacers either above or below the mounting tube giving a maximum of 4'' (100mm) of adjustment.









# **Section 7**Pre-Delivery Checklist

## **Pre-Delivery Checklist**

| Check Item:   | Checked by<br>Initial |
|---|-----------------------|
| Tyres are fitted correctly  |                       |
| Check wheel nuts are tightened to the correct torque and marked   |                       |
| Check tyres are inflated to correct pressure  |                       |
| Tow hitch is fitted correctly with bolts tightened to correct torque and marked                         |                       |
| All bolts and nuts are tightened to the correct torque values and marked                                |                       |
| All retaining pins are inserted and engaged   |                       |
| All hoses are correctly routed through holders  |                       |
| Air brake hoses are sound with no leaks   |                       |
| Air brake relay valve is correctly set for the load   |                       |
| Hydraulic rams and hoses are sound  |                       |
| Swivel units are correctly orientated   |                       |
| Chains are resting correctly on their transport supports (chain carriers)                               |                       |
| Check the chain tension as per assembly manual  |                       |
| All points are greased on the machine   |                       |
| Roll pins are installed in the discs (CL1 and CL2)  |                       |
| All safety decals are on the machine in the correct locations are per the Assembly/<br>Operators manual |                       |
| All safety signs are present and lights working   |                       |
| Machine is registered for warranty  |                       |
| Customer has been shown the website and how to access parts information                                 |                       |
| Operators manual has been provided with the machine   |                       |
| Please return this completed document to warranty@kellytillage.com                                      |                       |
| Name: Date:   |                       |
| Signature:  |                       |

