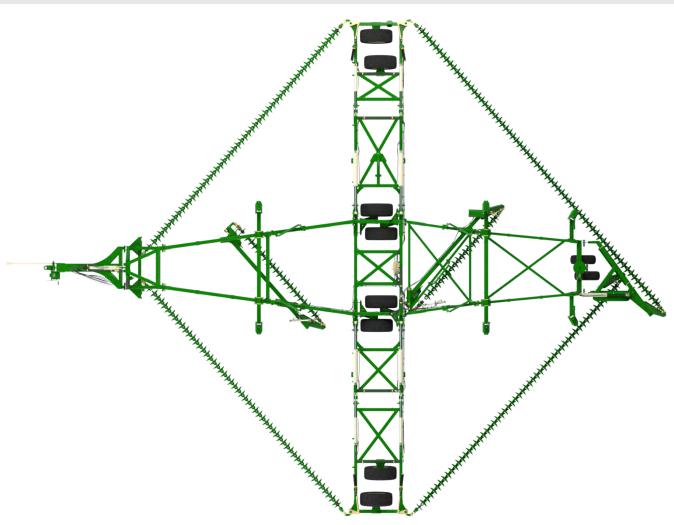


Assembly Manual

KELLY TILLAGE SYSTEM 4614

KEASM-R-01012024



SERIAL NUMBER:











Thank you for choosing a KELLY 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 directly.

The KELLY team values your 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.

Contact Us

Australia

Booleroo (Head Office)

684 Kelly Road, Booleroo Centre SA 5482

+61 8 8667 2253

Monday - Friday 8am - 4pm ACDT

Adelaide Office

28 Greenhill Road, Wayville SA 5034

+61 8 8667 2253

Monday - Friday 8am - 4pm ACDT

Global Locations

Eastern Canada

Leading Edge Equipment www.leadingedgeequipment.ca

1-519-421-3223

Monday - Friday 8am - 4pm EST

Europe

kellytillage.com

+61 8 8667 2253

Monday - Friday 8am - 4pm ACDT

Western Canada

Adair Sales & Marketing Co Inc www.adairreps.com

1-306-773-0996

Monday - Friday 8am - 5pm CST

Argentina

Giorgi Sa Maquinarias Agricolas www.giorgi.com.ar

+54 3464 493512

Monday - Friday 8am - 5pm ART

United States

Hood & Company

+1 417-865-2100

Monday - Friday 8am - 4pm CST

South Africa

Desmond Whitfield CC

+27 82 567 8245

Monday - Friday 8am - 4pm SAST

Contents

| Section 1 - Unpacking | 5 |
|-------------------------------|-----|
| Section 2 - Assembly | 6 |
| Section 3 - Decal Application | 146 |
| Section 4 - Light Kit | 167 |
| Section 5 - Chain Assembly | 177 |
| Section 6 - Specifications | 186 |
| Section 7 - Operation | 191 |
| Notes | 195 |

Legend



This symbol indicates which bag the relevant fasteners are in.



This symbol indicates which bag the relevant hydraulics are in.



This symbol inicates the hydraulics are in a box.



This symbol indicates which way the machine is travelling.

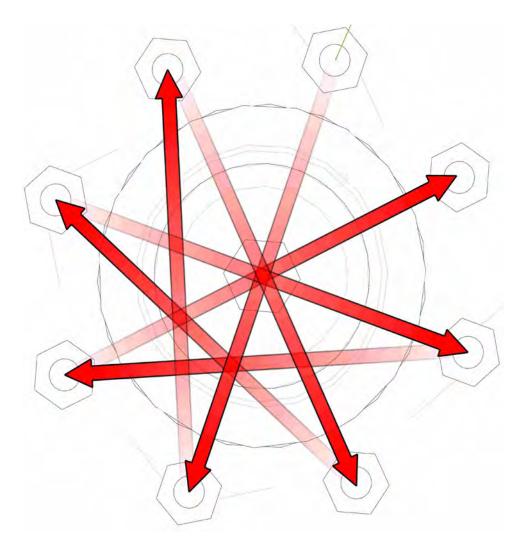
Bolt Torque Settings

| Bolt Type | | Wheel nut U Bolt 4.6 Grade 8.8 Bolt | | | Grade 10.9 Bolt | | Grade 8 Bolt | | | | | | | | | | | | |
|------------------|-----|-------------------------------------|-----|------|--------------------|-----|-----------------|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|--------|
| Bolt Size | M12 | M18 | M20 | 1/2" | 9/16" | M10 | M12 | M16 | M20 | M6 | M8 | M10 | M12 | M16 | M20 | M24 | M20 | M24 | 1" UNF |
| Spanner | 19 | 27 | 30 | 19 | 22 | 17 | 19 | 24 | 30 | 10 | 13 | 17 | 19 | 24 | 30 | 36 | 30 | 36 | 36 |
| Ft lb | 69 | 221 | 265 | 102 | 142 | 12 | 21 | 53 | 104 | 7 | 16 | 32 | 57 | 140 | 273 | 472 | 389 | 660 | 931 |
| Nm | 94 | 300 | 360 | 138 | 192 | 17 | 29 | 72 | 141 | 9 | 22 | 44 | 77 | 190 | 370 | 640 | 528 | 895 | 1262 |

[1] When fitting a wheel & tire 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.

Verification and recording of the prescribed torque settings in the table above is the responsibility of the assembler and it shall be documented in accordance with their approved Quality Assurance system





Section 1 - Unpacking



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

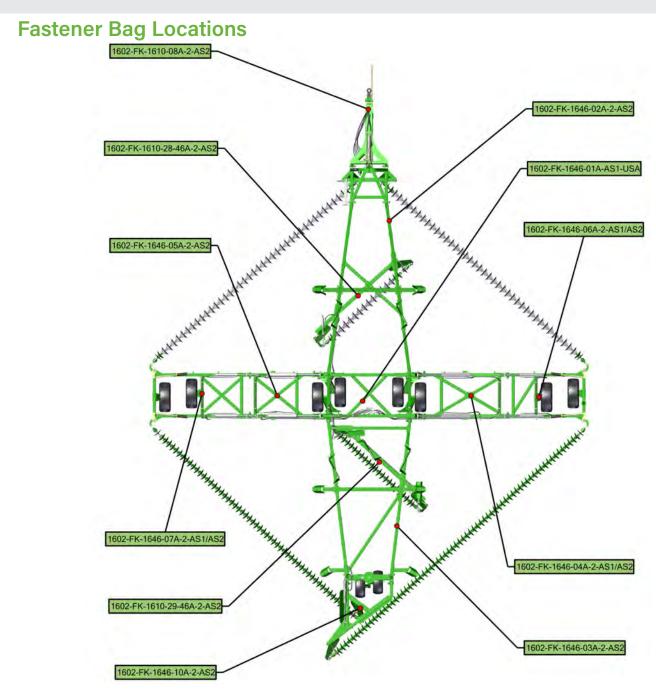
To avoid falling or moving components, before cutting straps attach slings or chains to individual pieces and only cut the straps holding the piece to be lifted.

- Remove boxes from rear of container one at a time using a forklift truck. Each box weighs approximately 5512 lbs (2500 kg)
- 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.

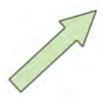
Dealer assembly begins at page 58.



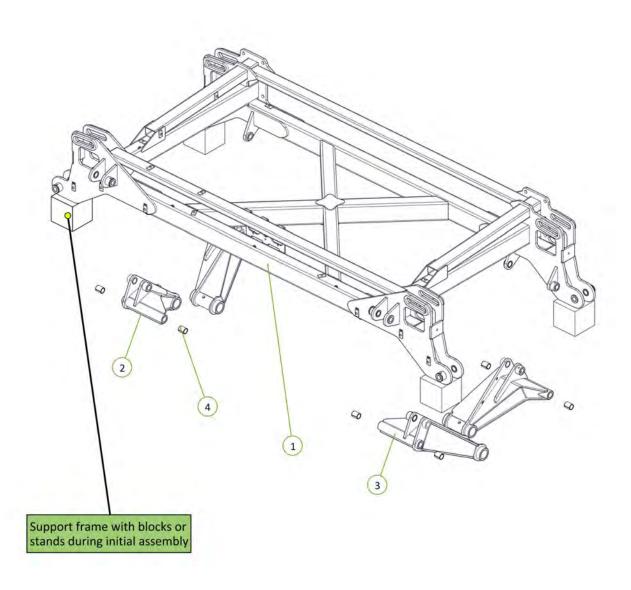
Section 2 - Assembly



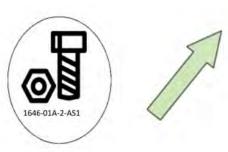
| Item No. | Description | Number | Qty |
|----------|-----------------------|-------------|-----|
| 1 | 46' Centre Frame | 1646-01-2 | 1 |
| 2 | LH Walking Axle Arm | 1610-40 | 2 |
| 3 | RH Walking Axle Arm | 1610-41 | 2 |
| 4 | 1-1/2 ID x 2" DU Bush | 0113-24DU32 | 8 |

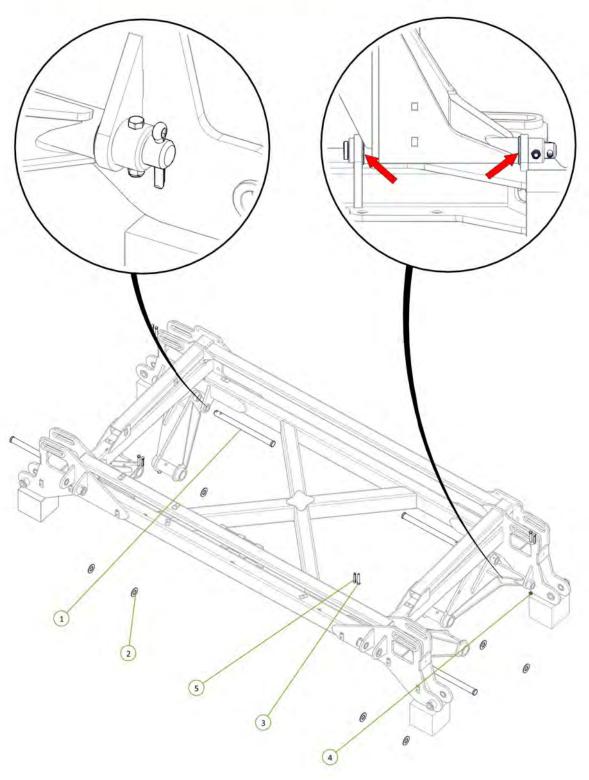


Please note bushes are factory inserted

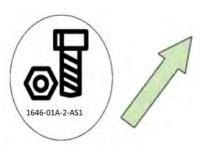


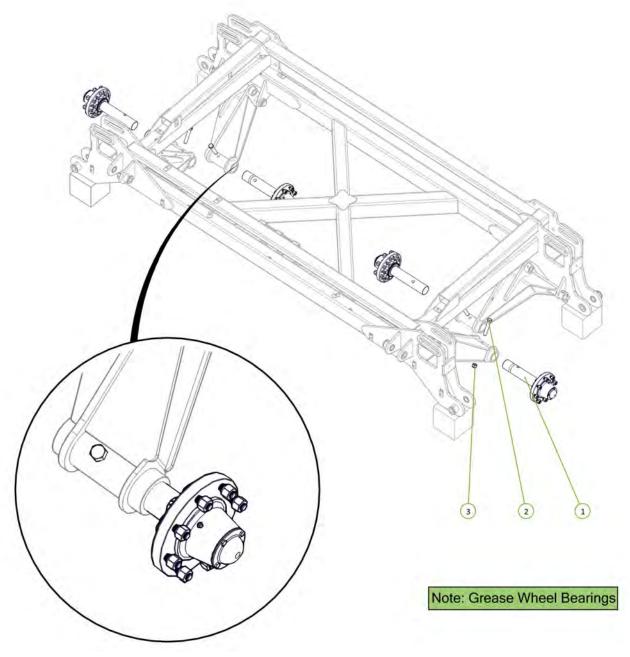
| Item No. | Description | Number | Qty |
|----------|----------------------------|---------------|-----|
| 1 | Walking Axle Pivot Pin | 1601-P38-525 | 4 |
| 2 | Washer High Tensile 1 3/8" | 0232-HT13-8 | 8 |
| 3 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 4 |
| 4 | Nyloc Nut M12 | 0221-NYL12 | 4 |
| 5 | Cotter Pin M13 x 63 | 0261-PINC1363 | 4 |





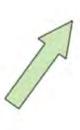
| Item No. | Description | Number | Qty |
|----------|---|----------------|-----|
| 1 | 2.75"R C/W 6 tonne 8 on 8" PCD Complete Assembly inc GS | 0733-LG6080067 | 4 |
| 2 | M20 x 120 grade 8.8 ZP Bolt | 0211-20120 | 4 |
| 3 | Nyloc Nut M20 | 0221-NYL20 | 4 |

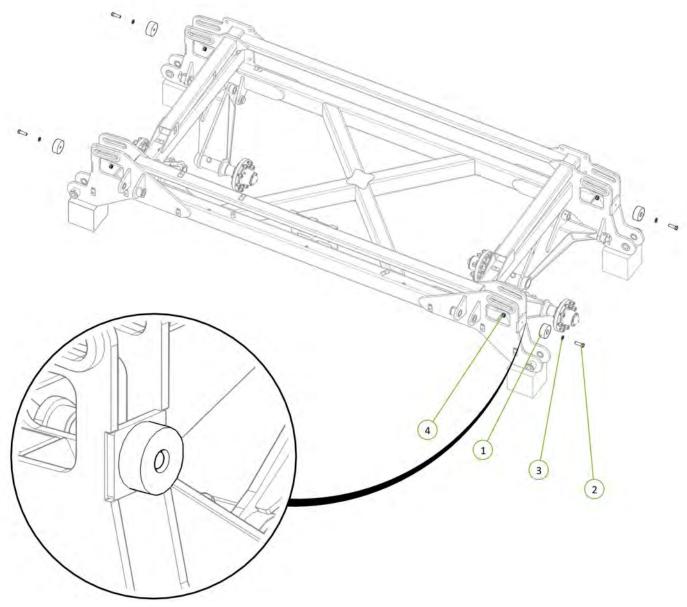




| Item No. | Description | Number | Qty |
|----------|----------------------------|------------|-----|
| 1 | Wing Folding Buffer | 1201-12 | 4 |
| 2 | M16 x 55 grade 8.8 zp Bolt | 0211-1655 | 4 |
| 3 | Washer Flat M16 | 0231-F16 | 4 |
| 4 | Nyloc Nut M16 | 0221-NYL16 | 4 |

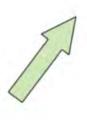


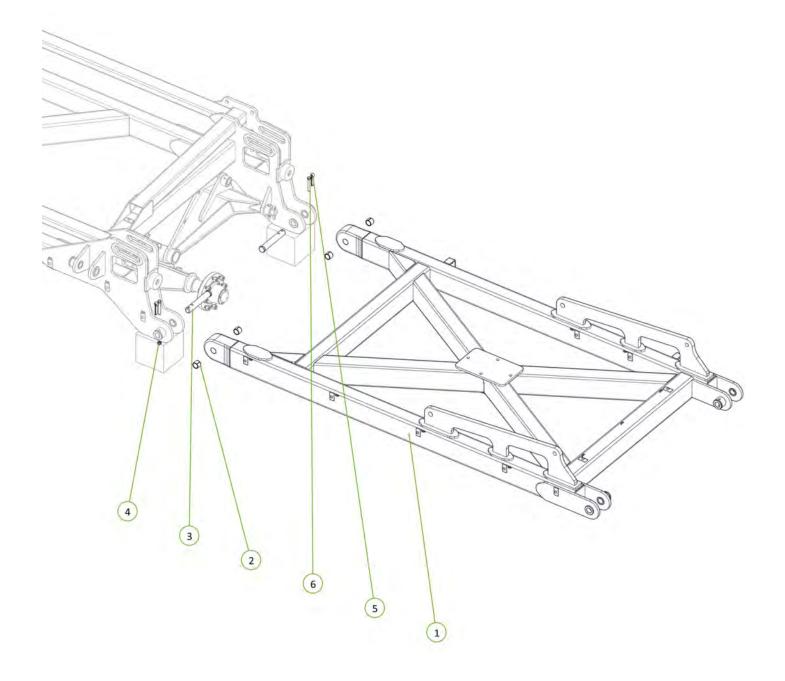




| Item No. | Description | Number | Qty |
|----------|----------------------------|----------------|-----|
| 1 | 46' RH Inner Wing Frame | 1646-04-2 | 1 |
| 2 | 35 ID x 30mm DU Bush | 0113-MB3530DU | 4 |
| 3 | PCH Wing Pivot Pin | 0801-10-08-235 | 2 |
| 4 | Nyloc Nut M12 | 0221-NYL12 | 2 |
| 5 | Cotter Pin M13 x 63 | 0261-PINC1363 | 2 |
| 6 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 2 |



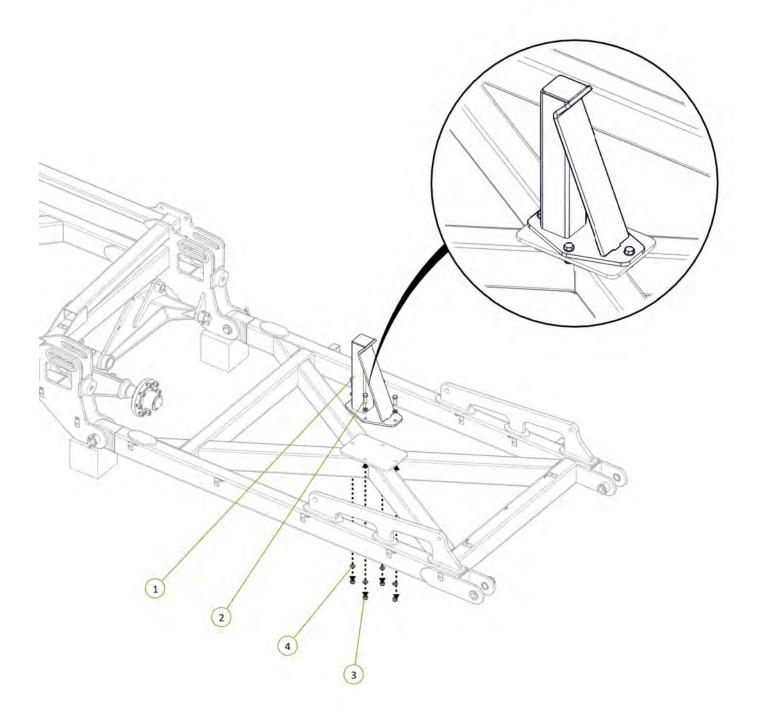




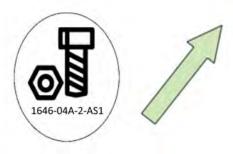
| Item No. | Description | Number | Qty |
|----------|----------------------------|------------|-----|
| 1 | 46' Inner Wing Post | 1646-04P-2 | 1 |
| 2 | M16 x 50 Grade 8.8 ZP Bolt | 0211-1650 | 4 |
| 3 | Nyloc Nut M16 | 0221-NYL16 | 4 |
| 4 | Washer Flat M16 | 0231-F16 | 8 |

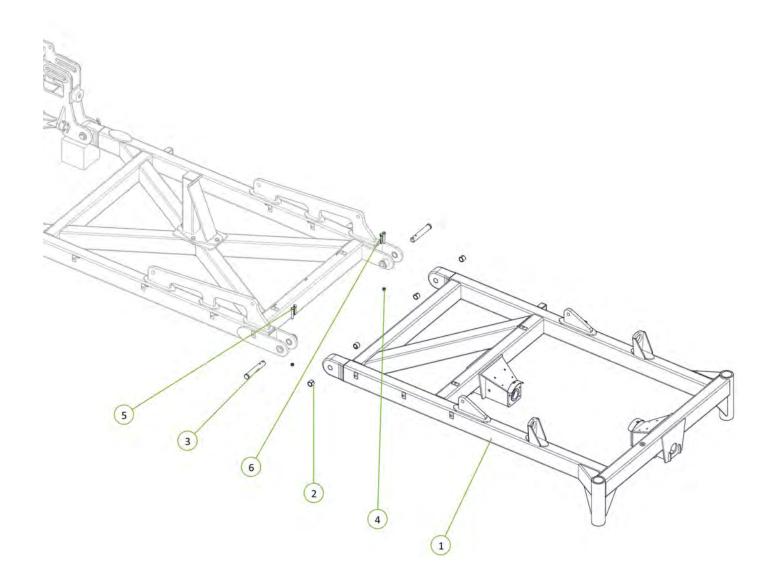






| Item No. | Description | Number | Qty |
|----------|----------------------------|----------------|-----|
| 1 | 46' RH Outer Wing Frame | 1646-06-2 | 1 |
| 2 | 35 ID x 30mm DU Bush | 0113-MB3530DU | 4 |
| 3 | PCH Wing Pivot Pin | 0801-10-08-235 | 2 |
| 4 | Nyloc Nut M12 | 0221-NYL12 | 2 |
| 5 | Cotter Pin M13 x 63 | 0261-PINC1363 | 2 |
| 6 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 2 |

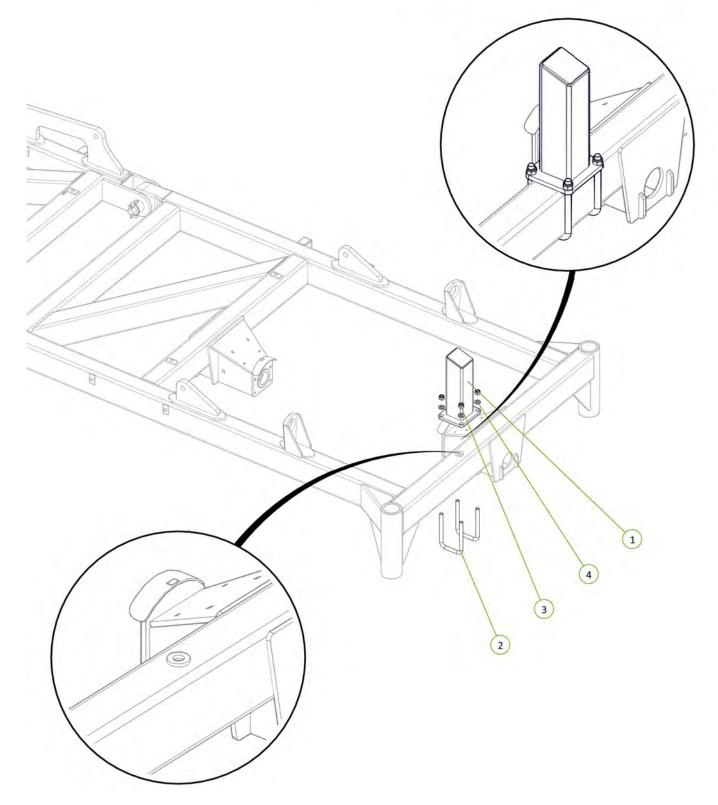




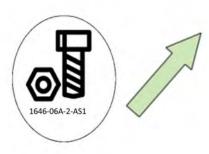
| Item No. | Description | Number | Qty |
|----------|----------------------------------|----------------|-----|
| 1 | 46' Outer Wing Post | 1646-06P-2 | 1 |
| 2 | U-Bolt M16 x 190 Deep x 106 Wide | 0271-16190106U | 2 |
| 3 | Nyloc Nut M16 | 0221-NYL16 | 4 |
| 4 | Washer Flat M16 | 0231-F16 | 4 |

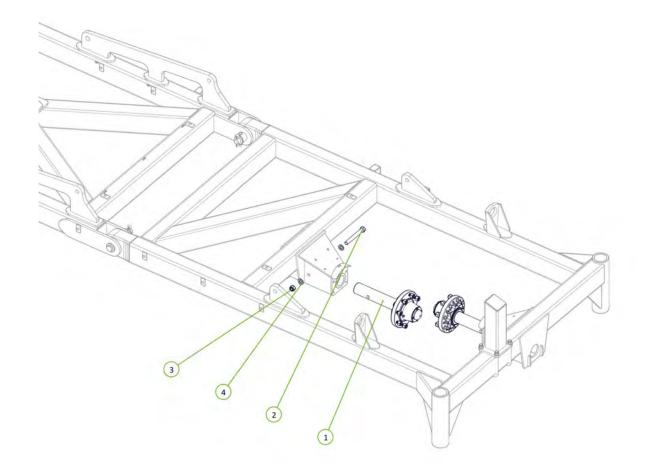






| Item No. | Description | Number | Qty |
|----------|---|----------------|-----|
| 1 | 2.75"R C/W 6 tonne 8 on 8" PCD Complete Assembly inc GS | 0733-LG6080067 | 2 |
| 2 | M20 x 170 grade 8.8 ZP Bolt | 0211-20170 | 2 |
| 3 | Nyloc Nut M20 | 0221-NYL20 | 2 |
| 4 | Washer Flat M20 | 0231-F20 | 4 |

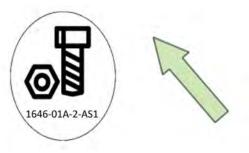


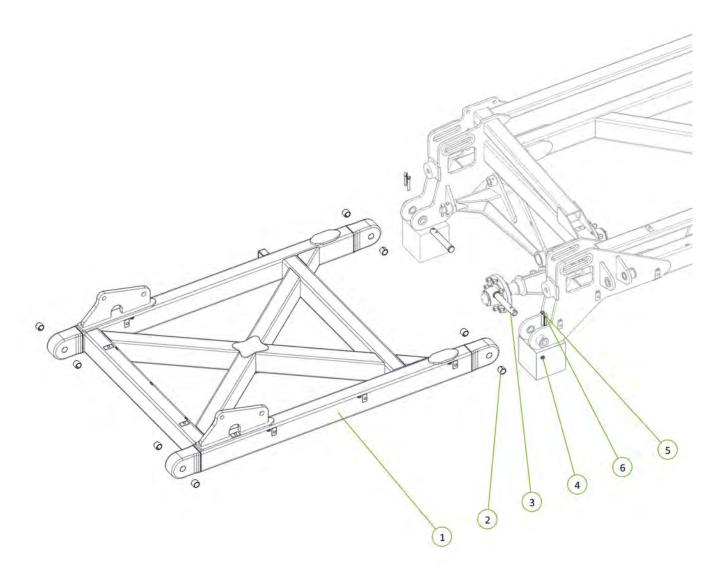


Dual outer wing wheel option shown

Note: Grease Wheel Bearings

| Item No. | Description | Number | Qty |
|----------|----------------------------|----------------|-----|
| 1 | 46' LH Inner Wing Frame | 1646-05-2 | 1 |
| 2 | 35 ID x 30mm DU Bush | 0113-MB3530DU | 8 |
| 3 | PCH Wing Pivot Pin | 0801-10-08-235 | 2 |
| 4 | Nyloc Nut M12 | 0221-NYL12 | 2 |
| 5 | Cotter Pin M13 x 63 | 0261-PINC1363 | 2 |
| 6 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 2 |

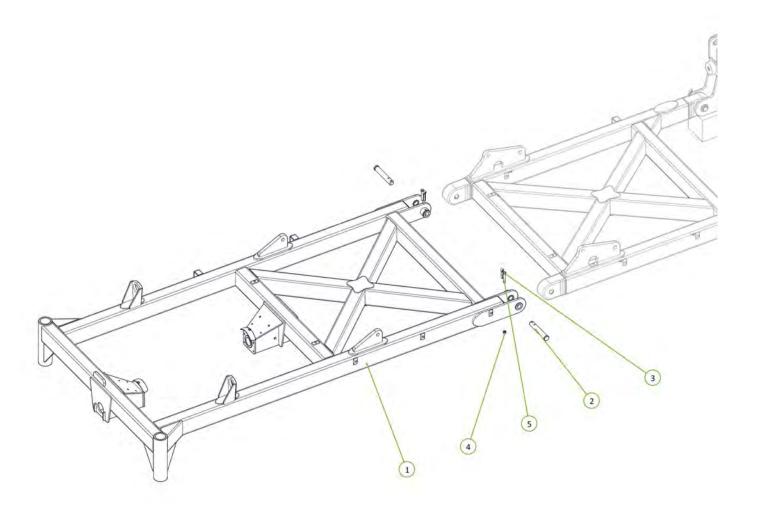




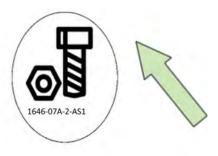
| Item No. | Description | Number | Qty |
|----------|----------------------------|----------------|-----|
| 1 | 46' LH Outer Wing Frame | 1646-07-2 | 1 |
| 2 | PCH Wing Pivot Pin | 0801-10-08-235 | 2 |
| 3 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 2 |
| 4 | Nyloc Nut M12 | 0221-NYL12 | 2 |
| 5 | Cotter Pin M13 x 63 | 0261-PINC1363 | 2 |

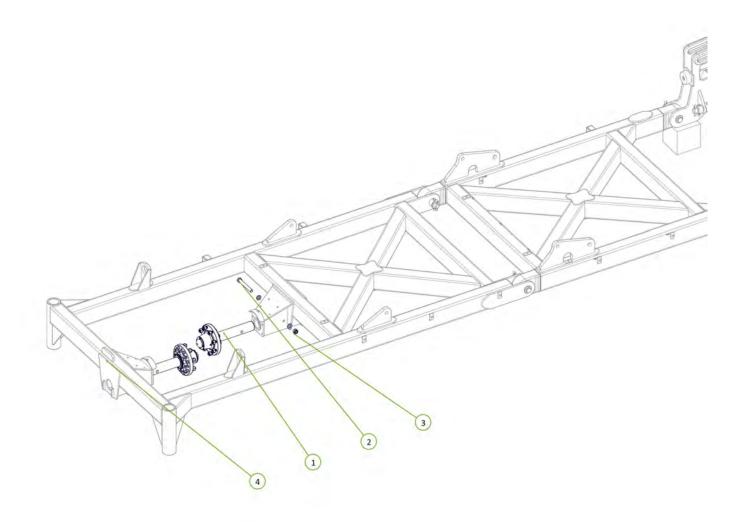






| Item No. | Description | Number | Qty |
|----------|---|----------------|-----|
| 1 | 2.75"R C/W 6 tonne 8 on 8" PCD Complete Assembly inc GS | 0733-LG6080067 | 2 |
| 2 | M20 x 170 grade 8.8 ZP Bolt | 0211-20170 | 2 |
| 3 | Nyloc Nut M20 | 0221-NYL20 | 2 |
| 4 | Washer Flat M20 | 0231-F20 | 4 |



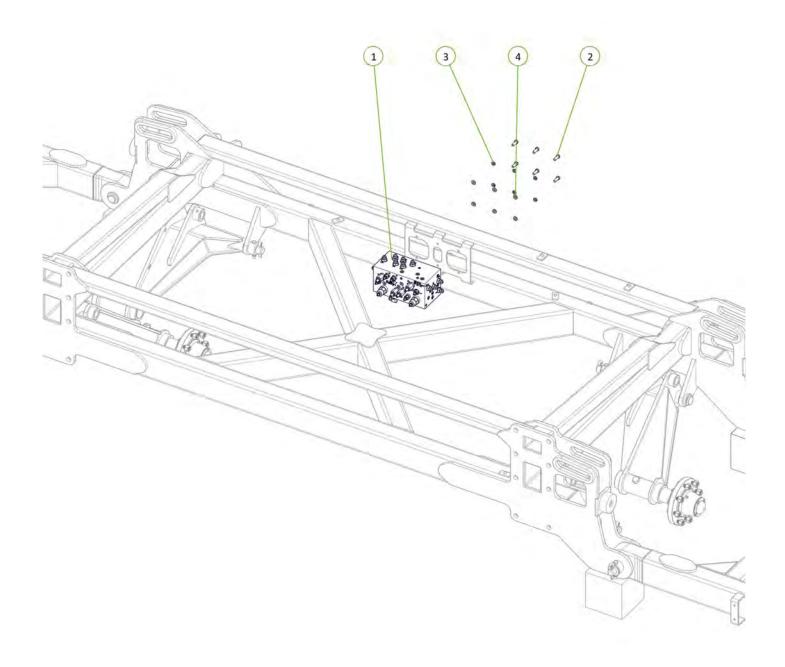


Note: Grease Wheel Bearings

| Item No. | Description | Number | Qty |
|----------|--|-------------|-----|
| 1 | Dual Circuit 3 Stage Sequence Manifold V12.5 | 0802-692196 | 1 |
| 2 | M10 x 30 grade 8.8 ZP Bolt | 0211-1030 | 6 |
| 3 | Washer Spring M10 | 0231-S10 | 6 |
| 4 | Washer Flat M10 | 0231-F10 | 6 |

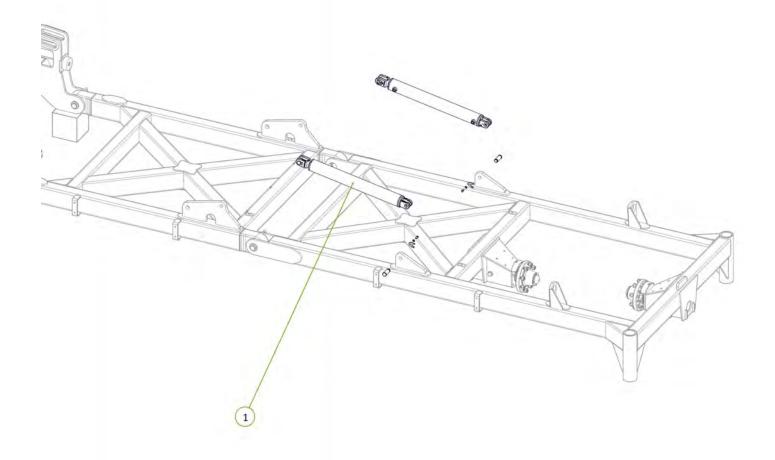


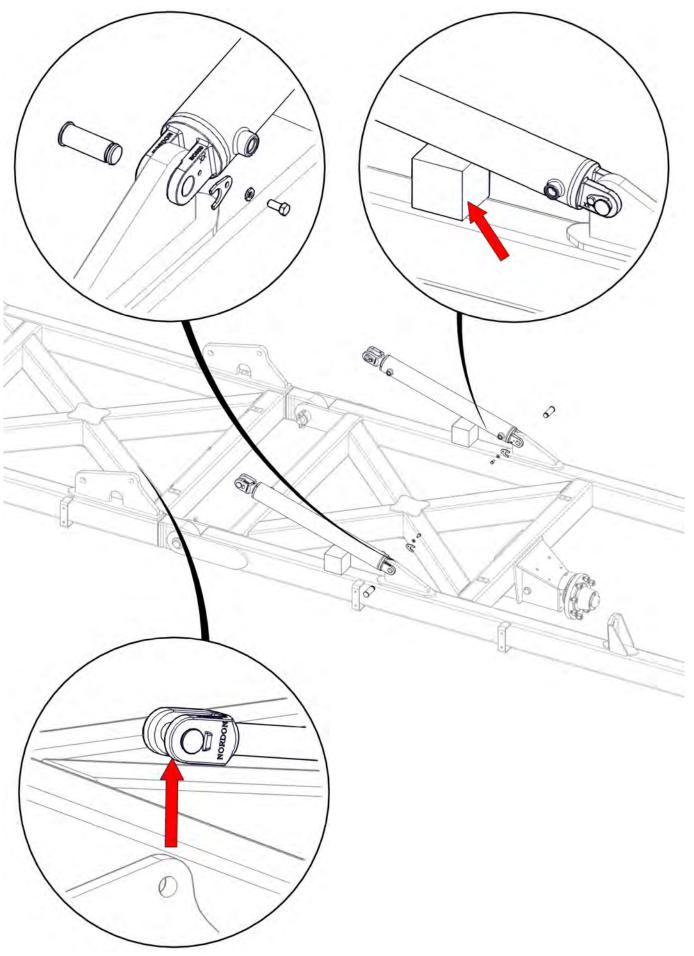






| Item No. | Description | Number | Qty |
|----------|--|--------------|-----|
| 1 | 3" Bore x 24" Stroke 1.5" Rod Hydraulic Cylinder Side Port | 0311-324STSP | 2 |

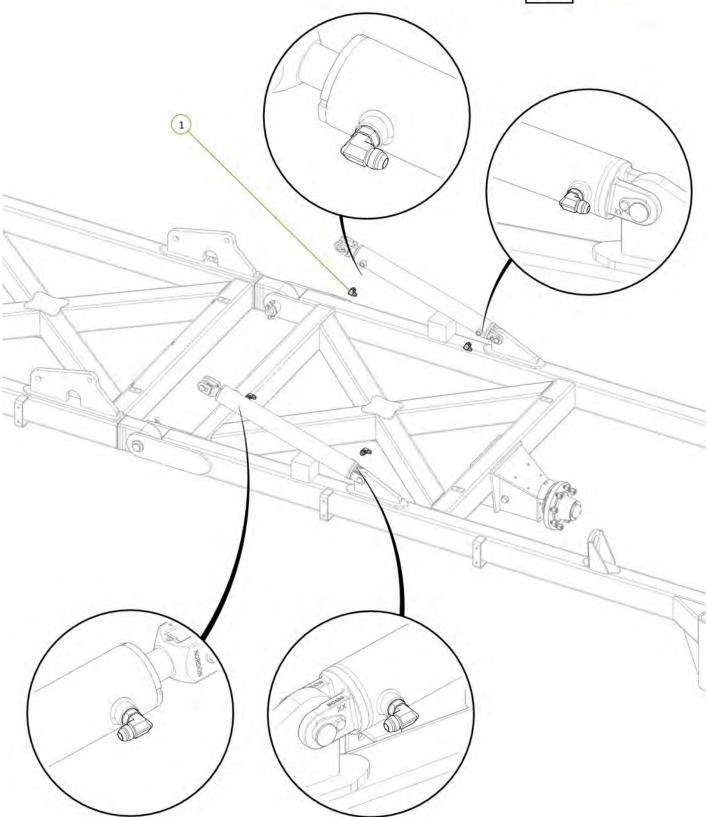


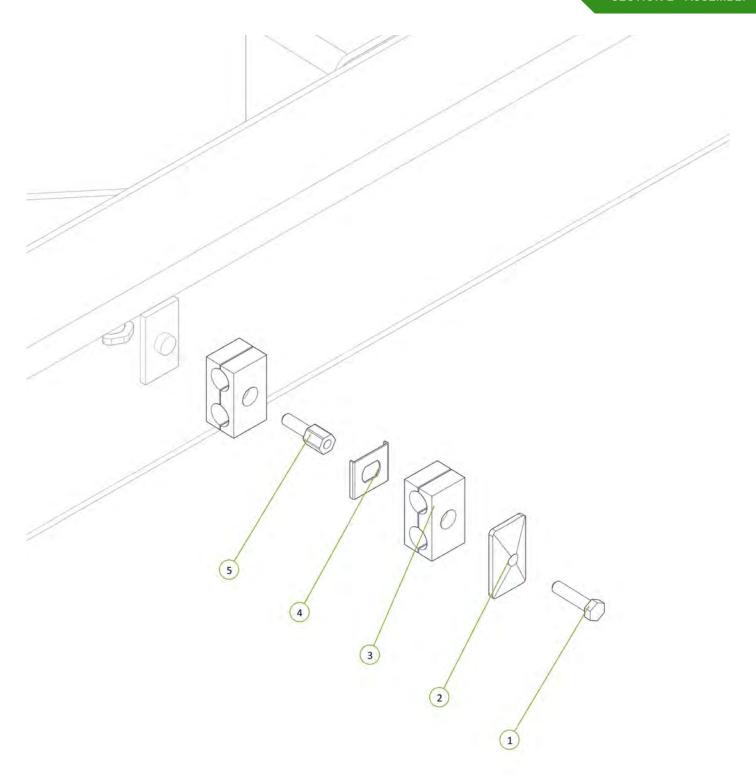


| Item No. | Description | Number | Qty |
|----------|---|---------------|-----|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 0323-591-1212 | 4 |



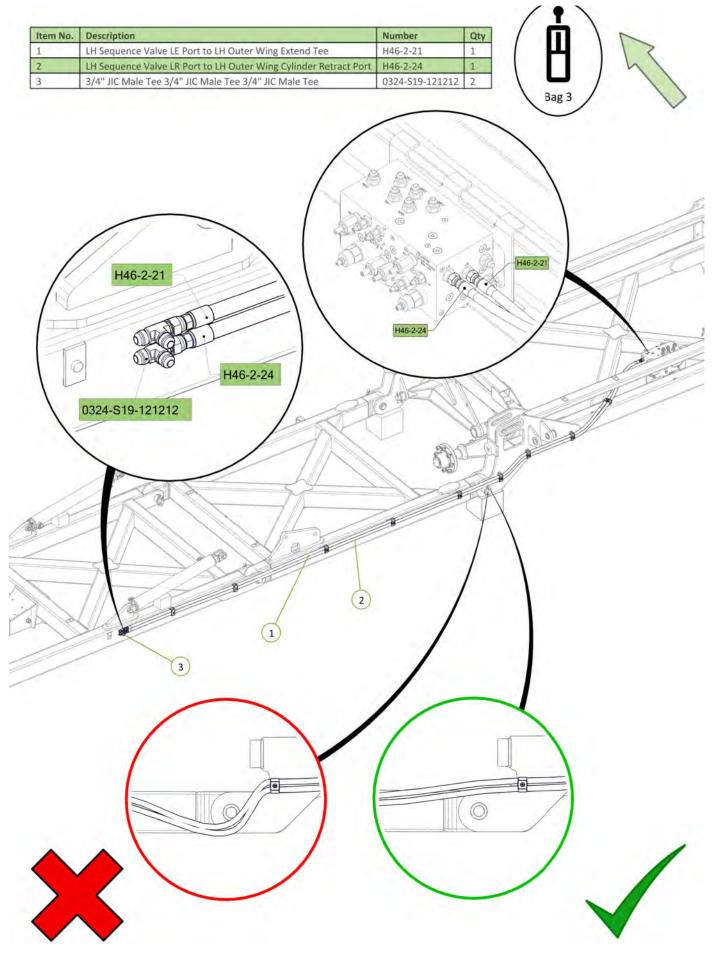




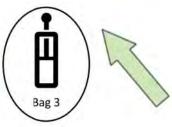


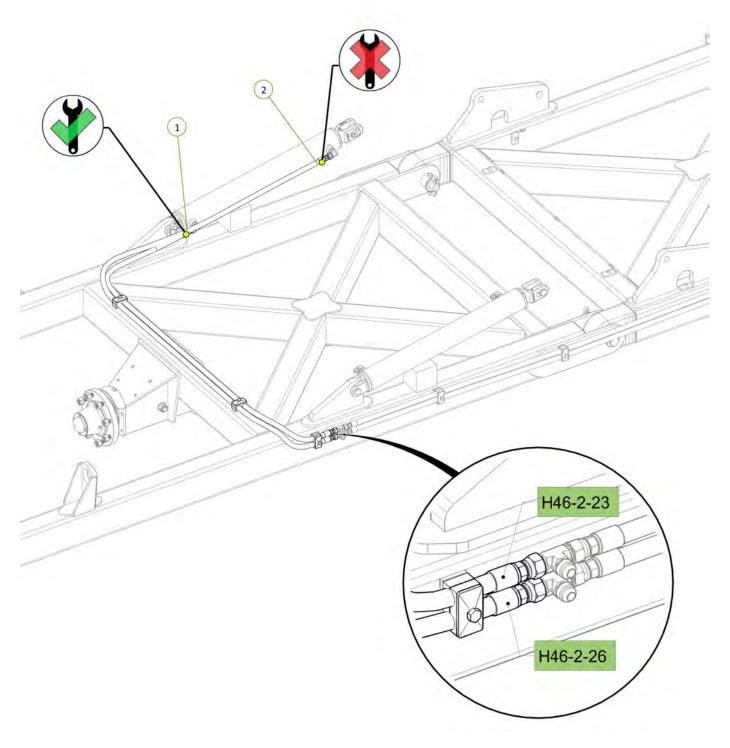
| Item No. | Description | Number | Qty |
|----------|--|-----------------|-----|
| 1 | Double Clamp Bolt Group 2 | 0325-RCD-2BH | 1 |
| 2 | Clamp top plate group 2 | 0325-RCD-2PT | 1 |
| 3 | 17mm Clamp Jaws (Pair) | 0325-RCD-17J | 2 |
| 4 | Double Clamp Stacking Plate (Non Ryco) | 0325-SI-2-5D-W3 |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



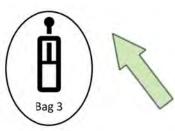


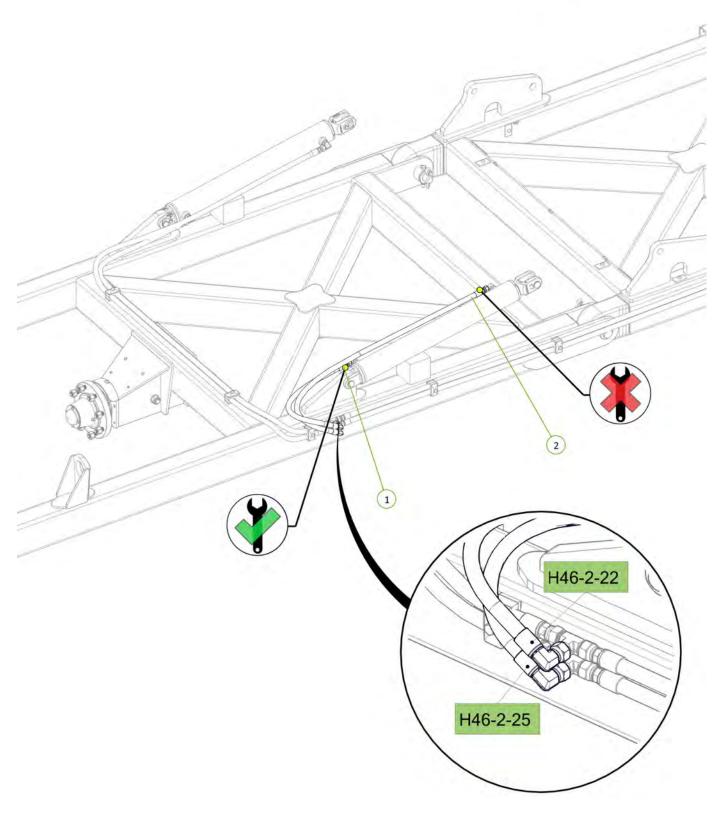
| Item No. | Description | Number | Qty |
|----------|--|----------|-----|
| 1 | LH Outer Wing Extend Tee to LH Inner Wing Front Cylinder Extend Port | H46-2-23 | 1 |
| 2 | LH Outer Wing Retract Tee to LH Inner Wing Front Cylinder Retract Port | H46-2-26 | 1 |





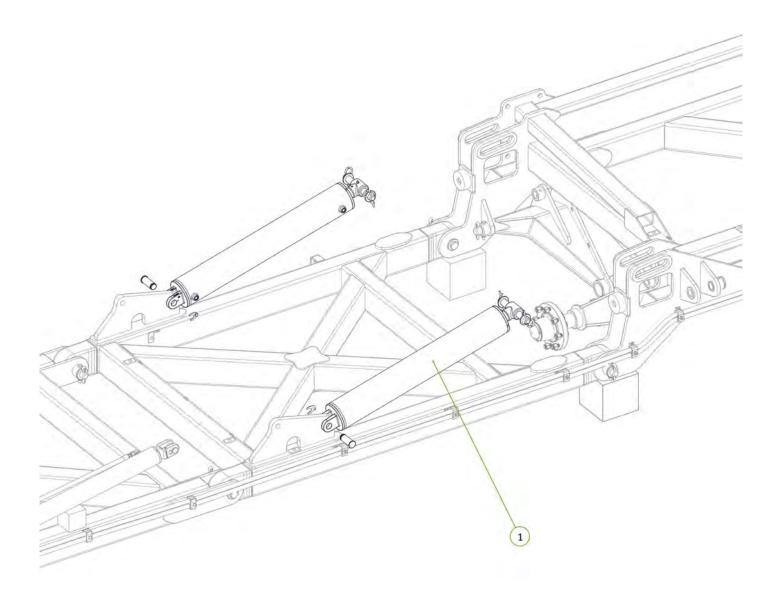
| Item No. | Description | Number | Qty |
|----------|---|----------|-----|
| 1 | LH Outer Wing Extend Tee to LH Inner Wing Rear Cylinder Extend Port | H46-2-22 | 1 |
| 2 | LH Outer Wing Retract Tee to LH Inner Wing Rear Cylinder Retract Port | H46-2-25 | 1 |

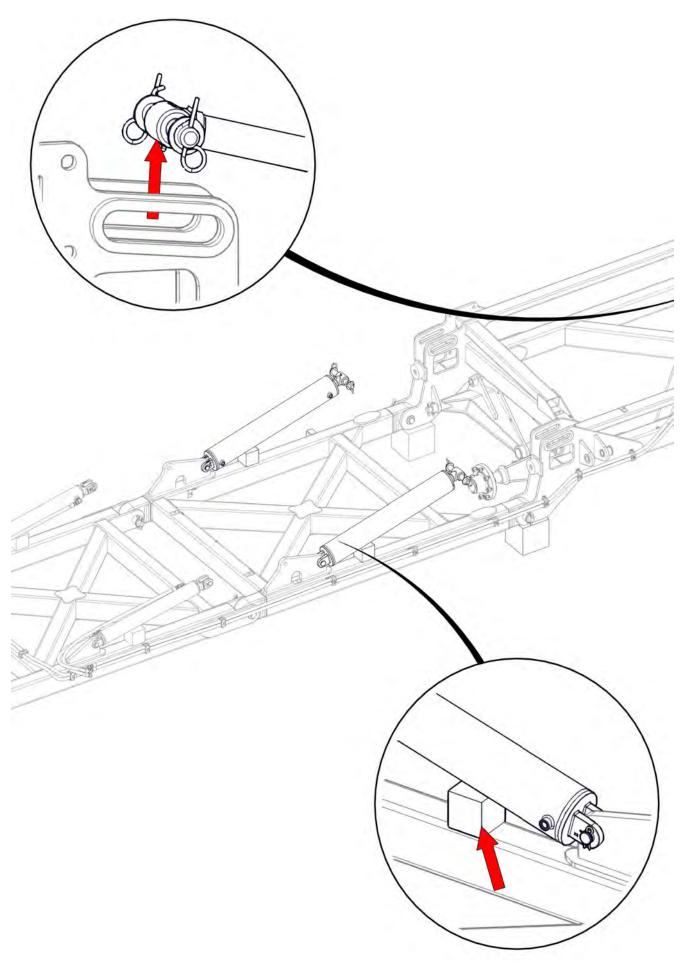


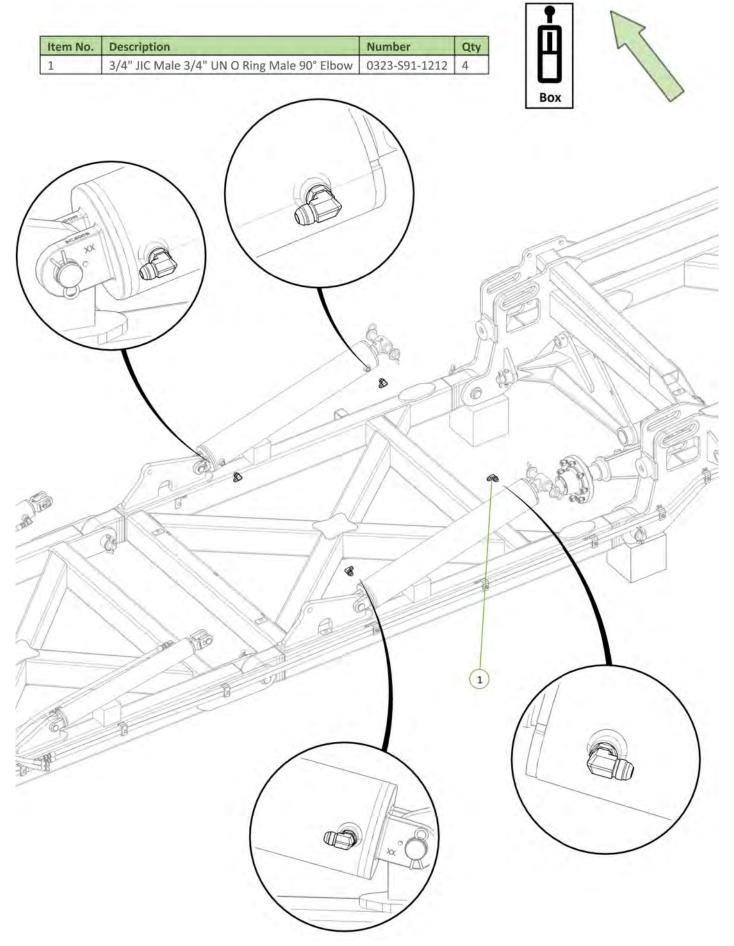


| Item No. | Description | Number | Qty |
|----------|--|--------------|-----|
| 1 | 5" Bore 30" Stroke 3 1/8" S/Tube 2" Rod Hydraulic Cylinder | 0311-530STSP | 2 |

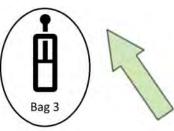


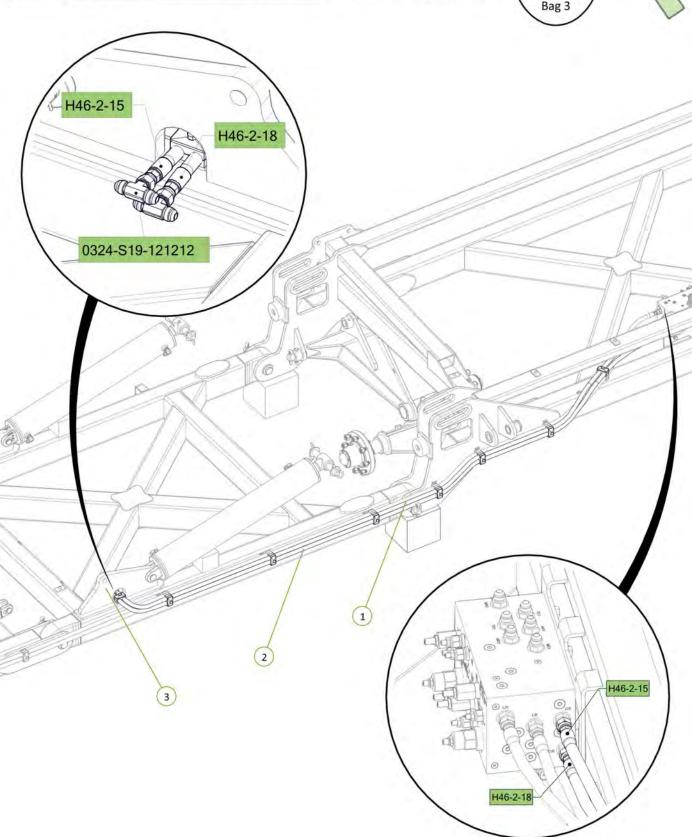




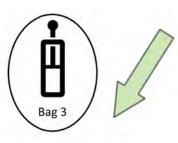


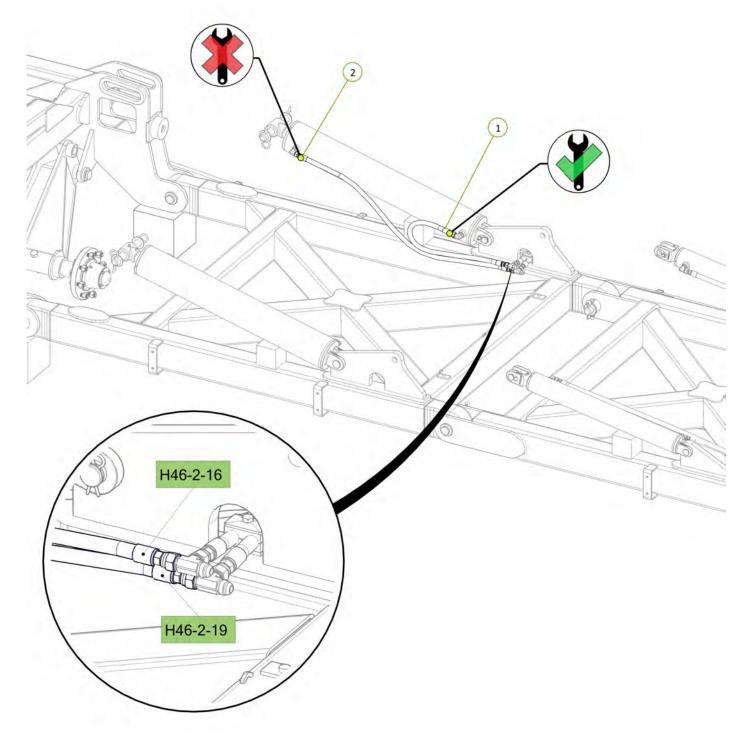
| Item No. | Description | Number | Qty |
|----------|--|-----------------|-----|
| 1 | LH Sequence Valve CE Port to LH Inner Wing Extend Tee | H46-2-15 | 1 |
| 2 | LH Sequence Valve CR Port to LH Inner Wing Retract Tee | H46-2-18 | 1 |
| 3 | 3/4" JIC Male Tee 3/4" JIC Male Tee 3/4" JIC Male Tee | 0324-S19-121212 | 2 |



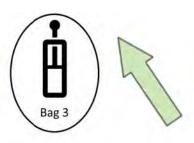


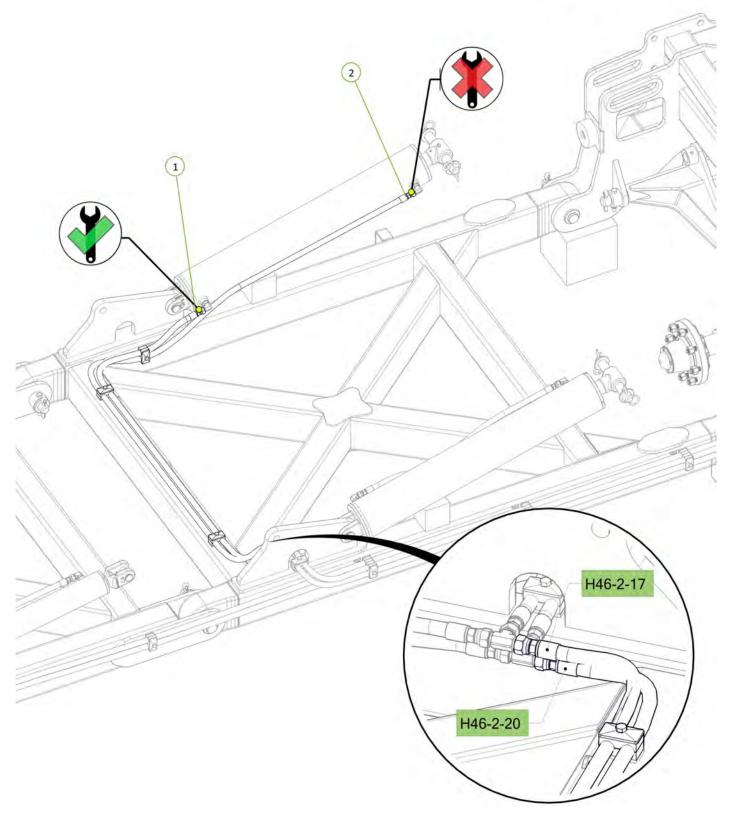
| Item No. | Description | Number | Qty |
|----------|---|----------|-----|
| 1 | LH Inner Wing Extend Tee to LH Inner Wing Rear Cylinder Extend Port | H46-2-16 | 1 |
| 2 | LH Inner Wing Retract Tee to LH Inner Wing Rear Cylinder Retract Port | H46-2-19 | 1 |





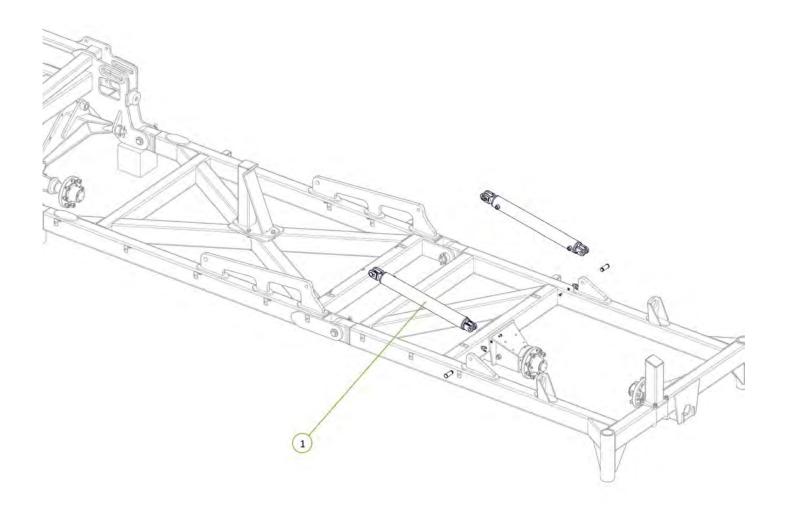
| Item No. | Description | Number | Qty |
|----------|--|----------|-----|
| 1 | LH Inner Wing Extend Tee to LH Inner Wing Front Cylinder Extend Port | H46-2-17 | 1 |
| 2 | LH Inner Wing Retract Tee to LH Inner Wing Front Cylinder Retract Port | H46-2-20 | 1 |

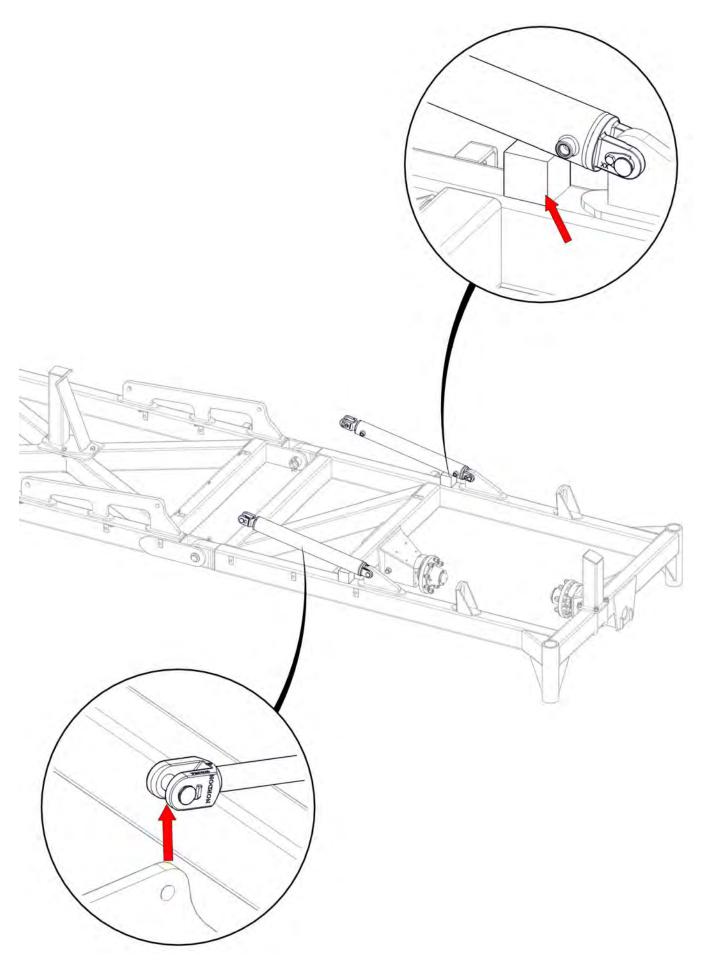


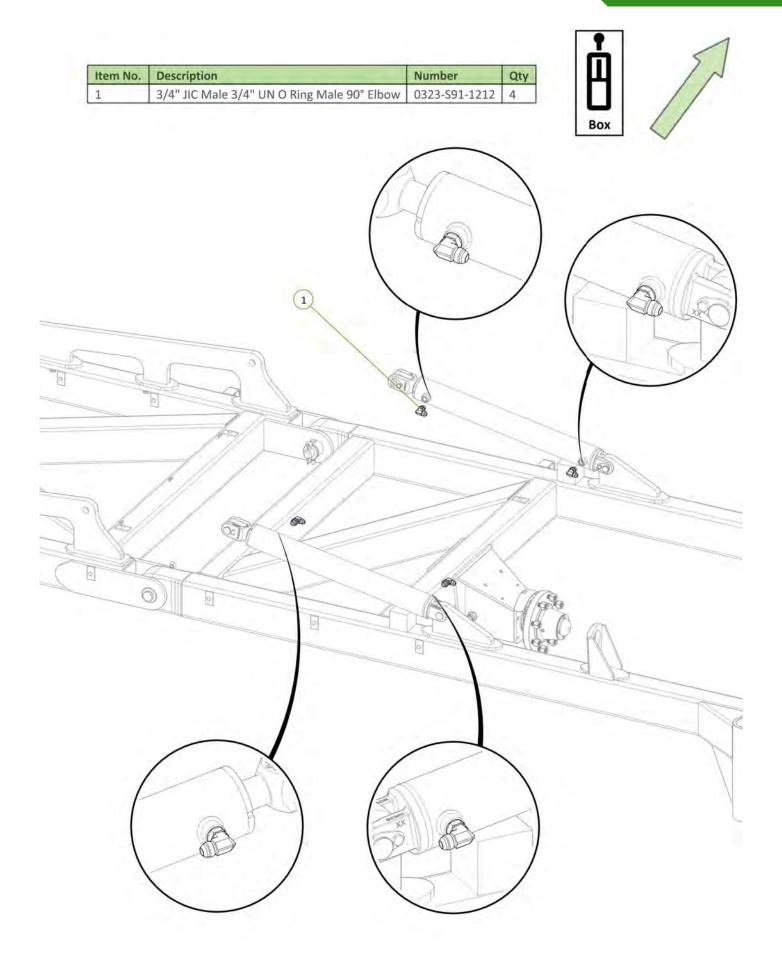


| Item No. | Description | Number | Qty |
|----------|--|--------------|-----|
| 1 | 3" Bore x 24" Stroke 1.5" Rod Hydraulic Cylinder Side Port | 0311-324STSP | 2 |

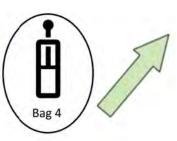


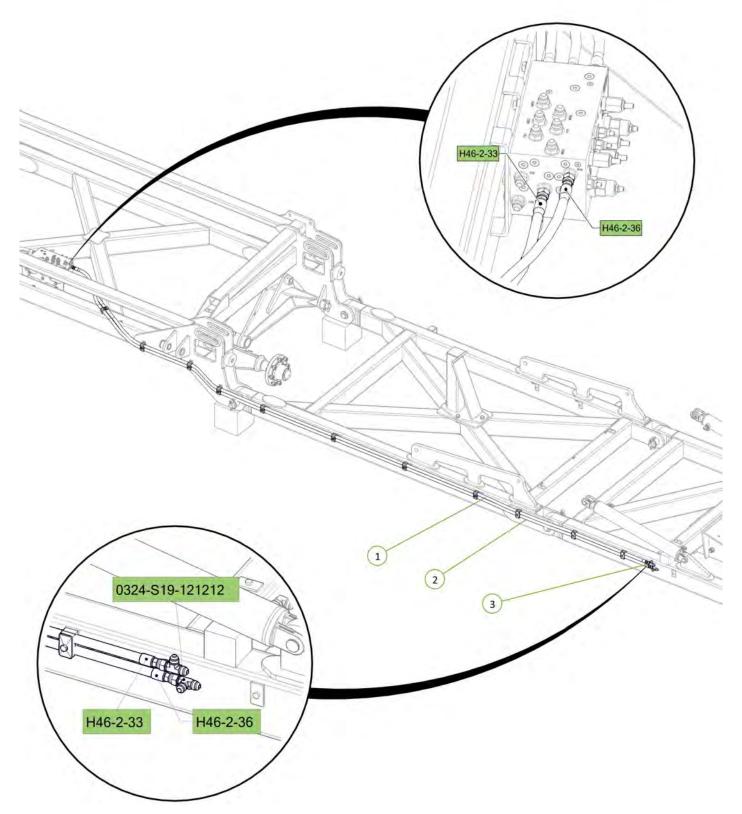




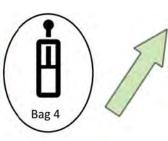


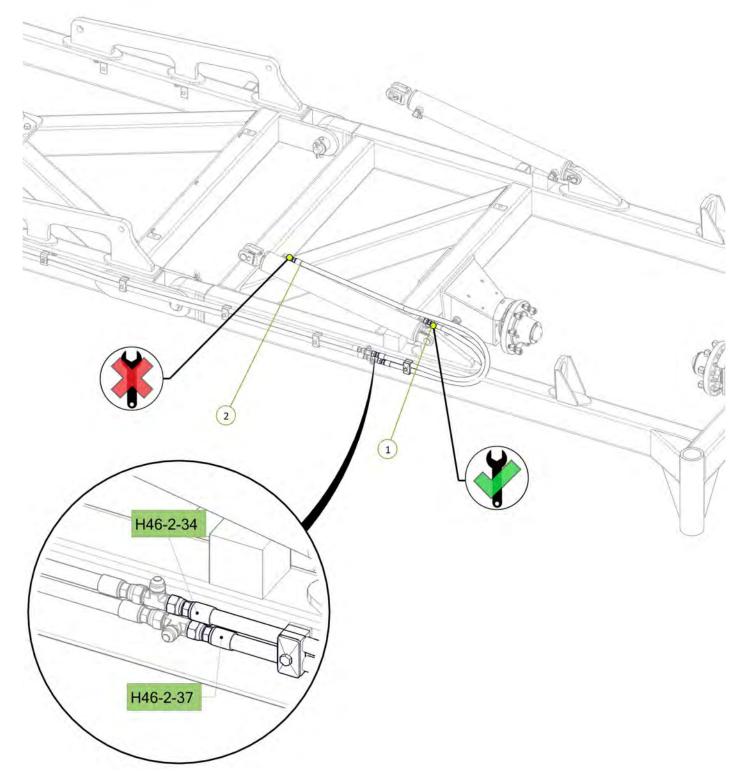
| Item No. | Description | Number | Qty |
|----------|--|-----------------|-----|
| 1 | RH Sequence Valve RE Port to RH Outer Wing Extend Tee | H46-2-33 | 1 |
| 2 | RH Sequence Valve RR Port to RH Outer Wing Retract Tee | H46-2-36 | 1 |
| 3 | 3/4" JIC Male Tee 3/4" JIC Male Tee 3/4" JIC Male Tee | 0324-S19-121212 | 2 |



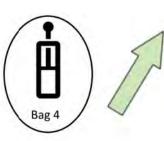


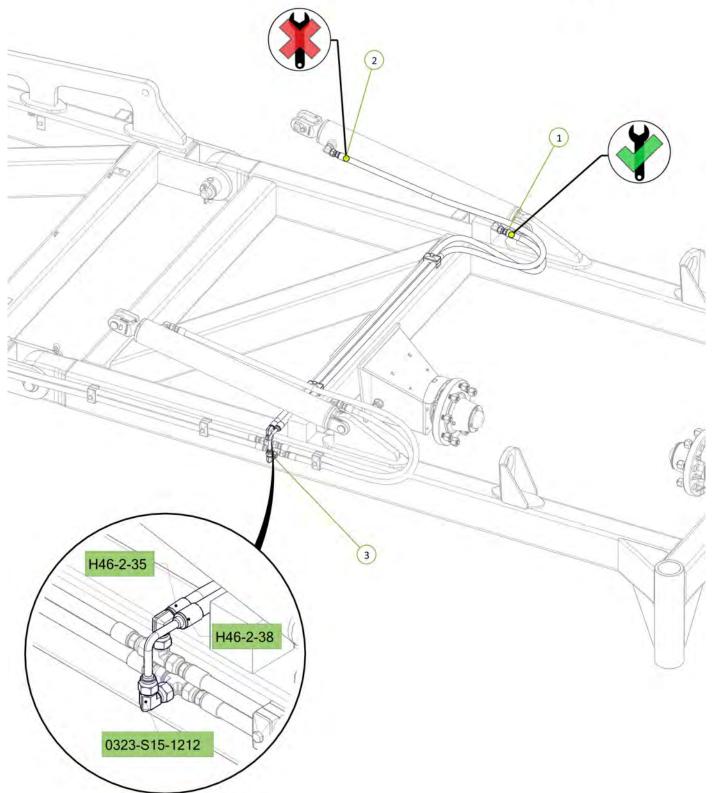
| Item No. | Description | Number | Qty |
|----------|---|----------|-----|
| 1 | RH Outer Wing Extend Tee to RH Inner Wing Rear Cylinder Extend Port | | 1 |
| 2 | RH Outer Wing Retract Tee to RH Inner Wing Rear Cylinder Retract Port | H46-2-37 | 1 |





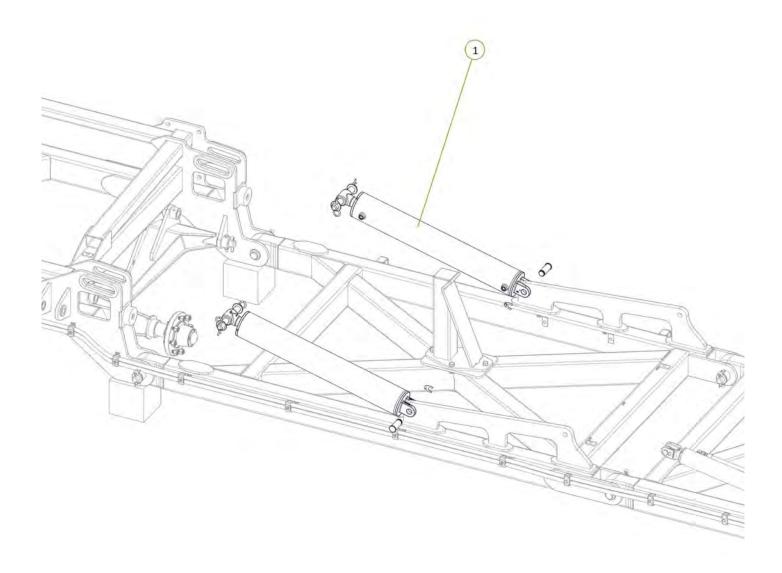
| Item No. | Description | Number | Qty |
|----------|--|---------------|-----|
| 1 | RH Outer Wing Extend Tee to RH Inner Wing Front Cylinder Extend Port | H46-2-35 | 1 |
| 2 | RH Outer Wing Retract Tee to RH Inner Wing Front Cylinder Retract Port | H46-2-38 | 1 |
| 3 | 3/4" JIC Male 3/4" JIC Female Swivel 90° Elbow | 0323-S15-1212 | 1 |

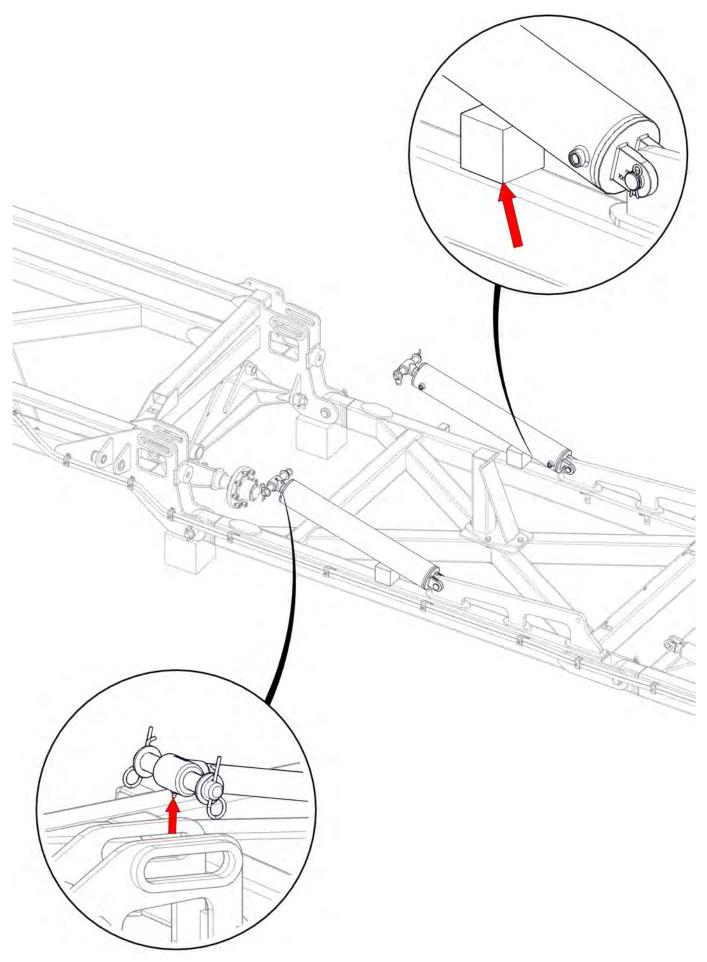


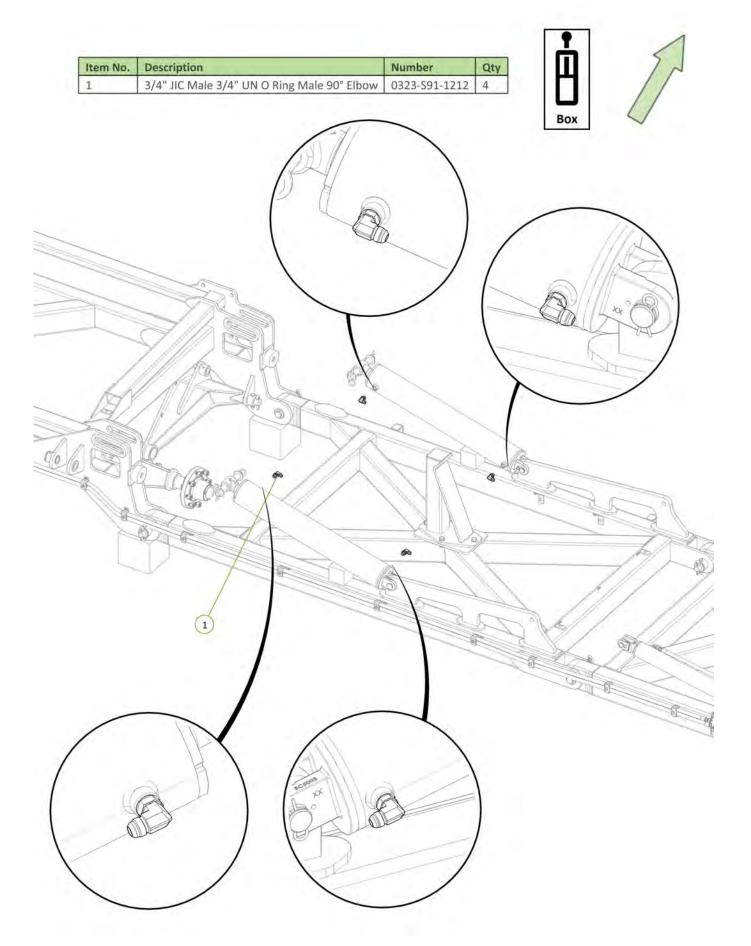


| Item No. | Description | Number | Qty |
|----------|--|--------------|-----|
| 1 | 5" Bore 30" Stroke 3 1/8" S/Tube 2" Rod Hydraulic Cylinder | 0311-530STSP | 2 |

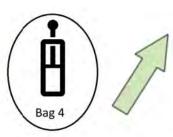


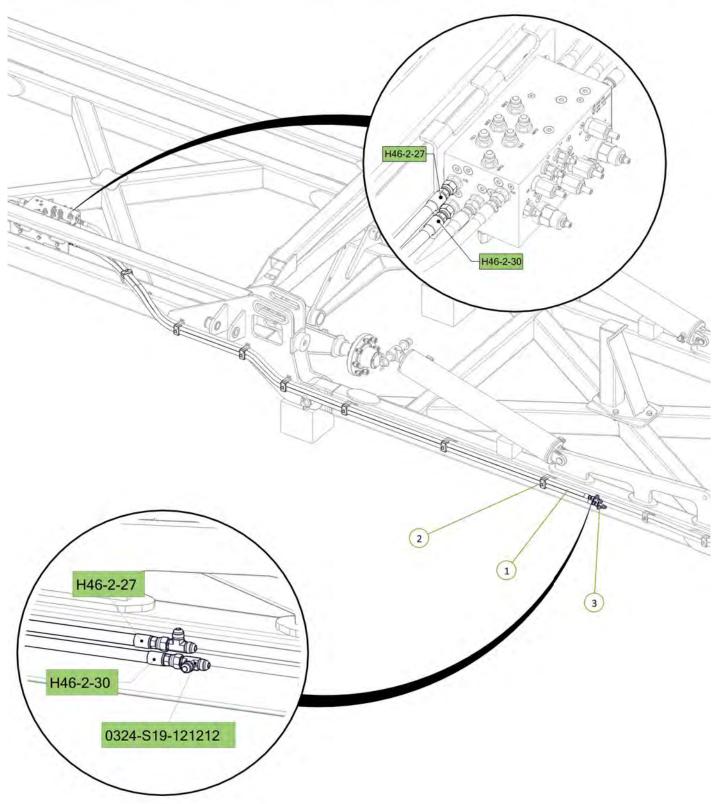




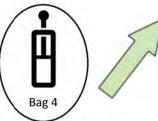


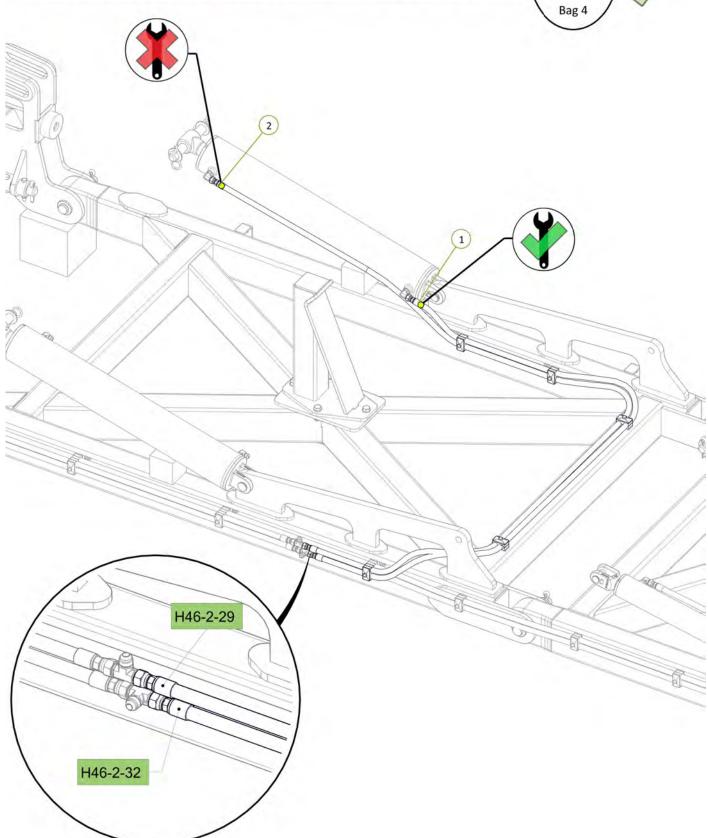
| Item No. | Description | Number | Qty |
|----------|--|-----------------|-----|
| 1 | RH Sequence Valve CE Port to RH Inner Wing Extend Tee | H46-2-27 | 1 |
| 2 | RH Sequence Valve CR Port to RH Inner Wing Retract Tee | H46-2-30 | 1 |
| 3 | 3/4" JIC Male Tee 3/4" JIC Male Tee 3/4" JIC Male Tee | 0324-S19-121212 | 2 |





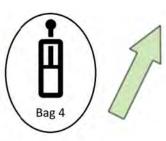
| Item No. | Description | Number | Qty |
|----------|--|----------|-----|
| 1 | RH Inner Wing Extend Tee to RH Inner Wing Front Cylinder Extend Port | H46-2-29 | 1 |
| 2 | RH Inner Wing Retract Tee to RH Inner Wing Front Cylinder Retract Port | H46-2-32 | 1 |

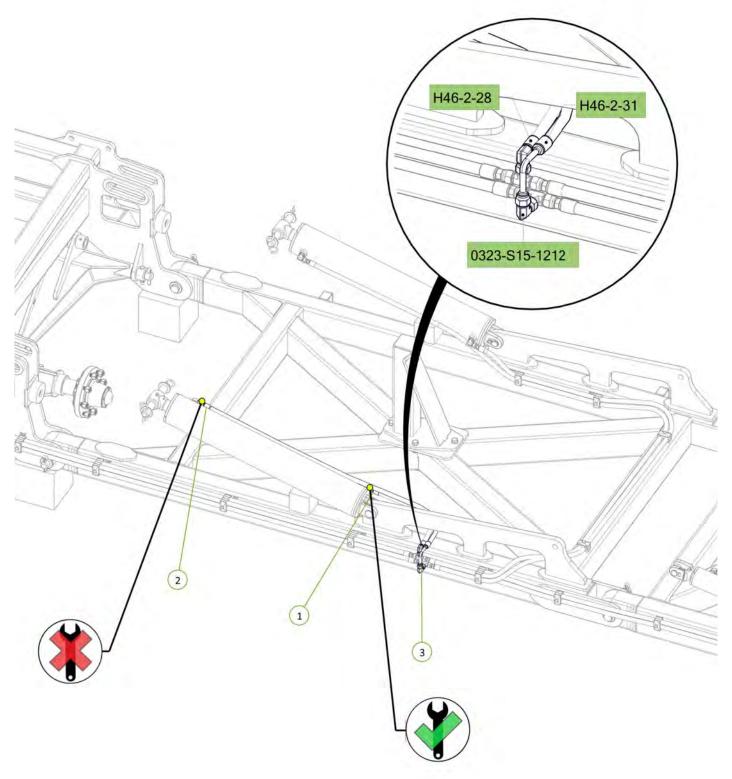




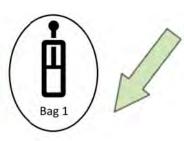
43

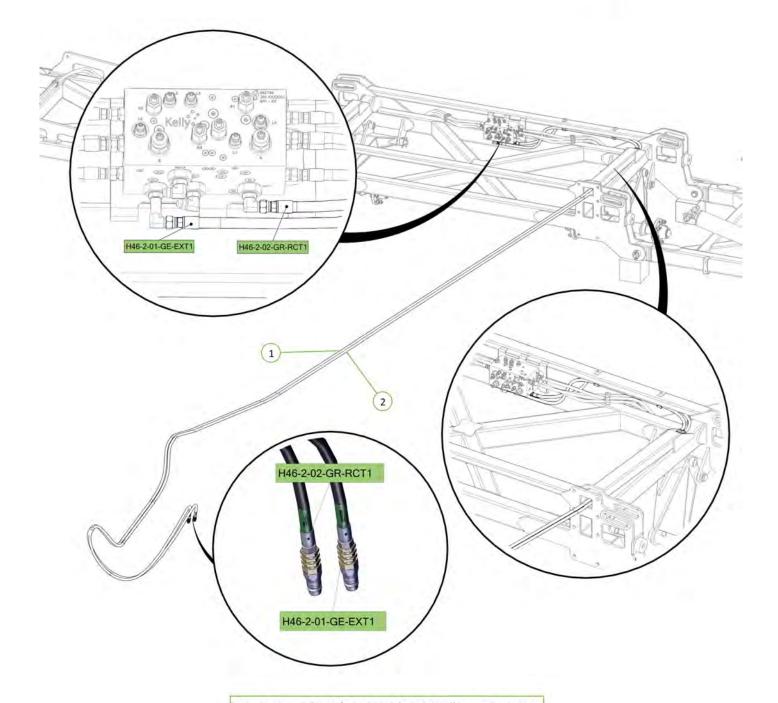
| Item No. | Description | Number | Qty |
|----------|---|---------------|-----|
| 1 | RH Inner Wing Extend Tee to RH Inner Wing Rear Cylinder Extend Port | H46-2-28 | 1 |
| 2 | RH Inner Wing Retract Tee to RH Inner Wing Rear Cylinder Retract Port | H46-2-31 | 1 |
| 3. | 3/4" IIC Male 3/4" IIC Female Swivel 90° Flhow | 0323-515-1212 | 1 |





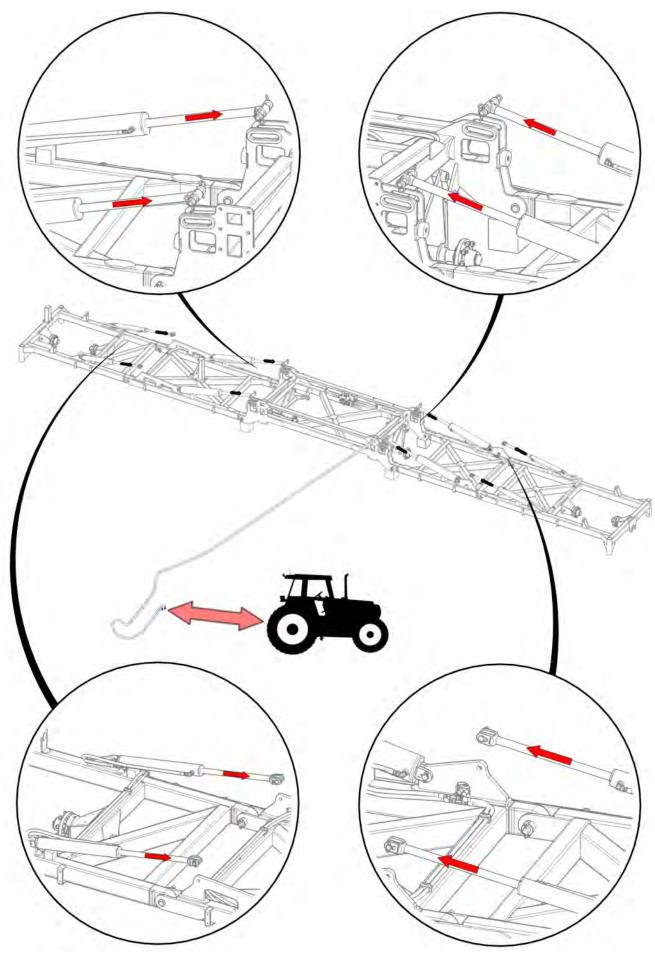
| Item No. | Description | Number | Qty |
|----------|---|------------------|-----|
| 1 | Tractor to Sequence Valve EXT1 Port Fitted With Green EXT Decal | H46-2-01-GE-EXT1 | 1 |
| 2 | Tractor to Sequence Valve RCT1 Port Fitted With Green RET Decal | H46-2-02-GR-RCT1 | 1 |

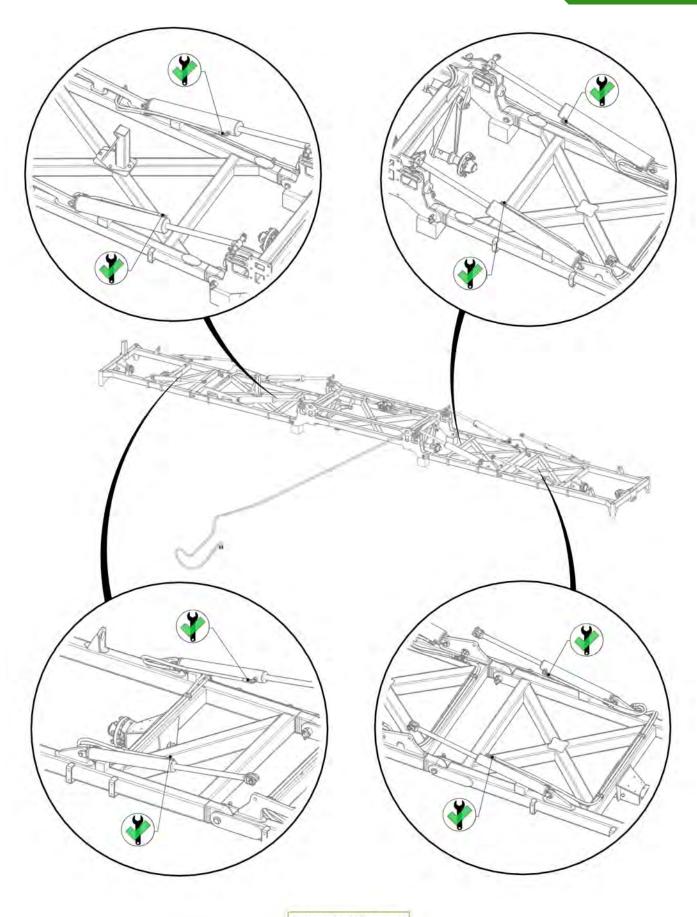




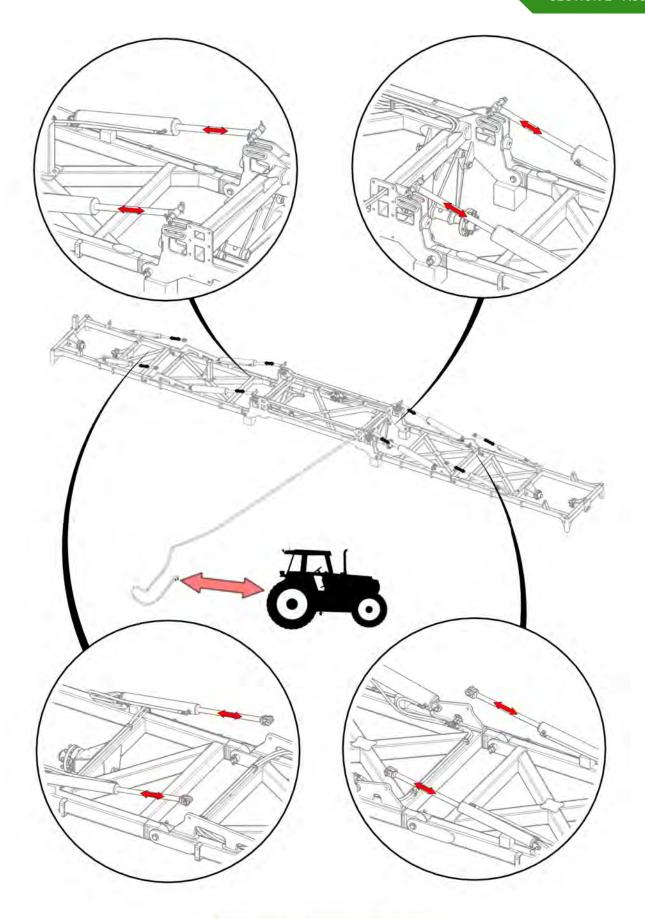
Ensure retract hose fittings are loose to allow air to escape

Check cylinders chocked up to prevent clashing during extension





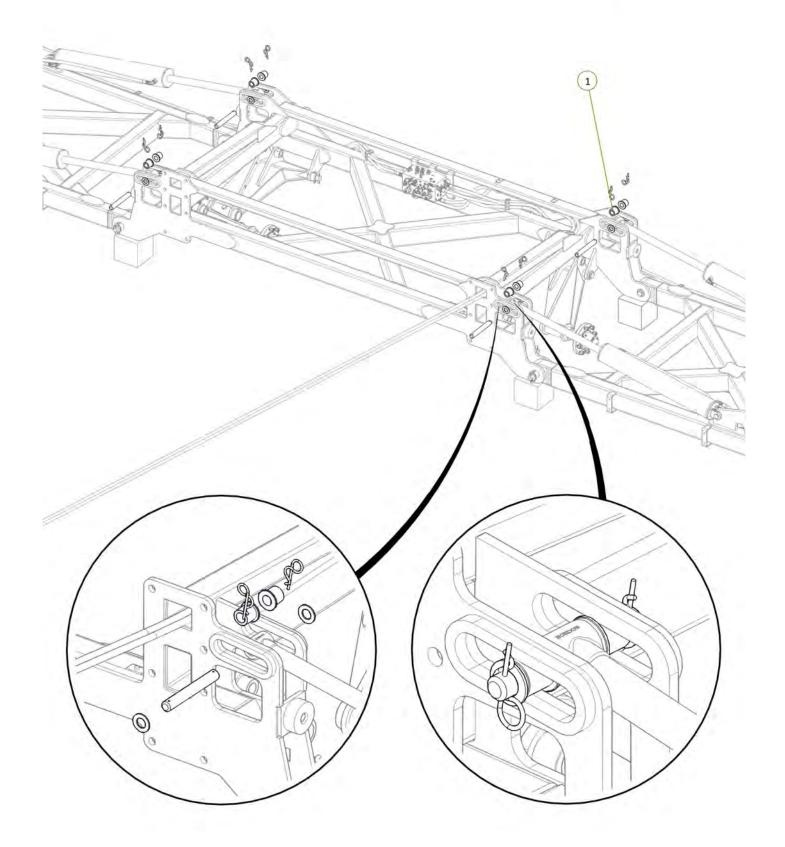
Tighten retract fittings

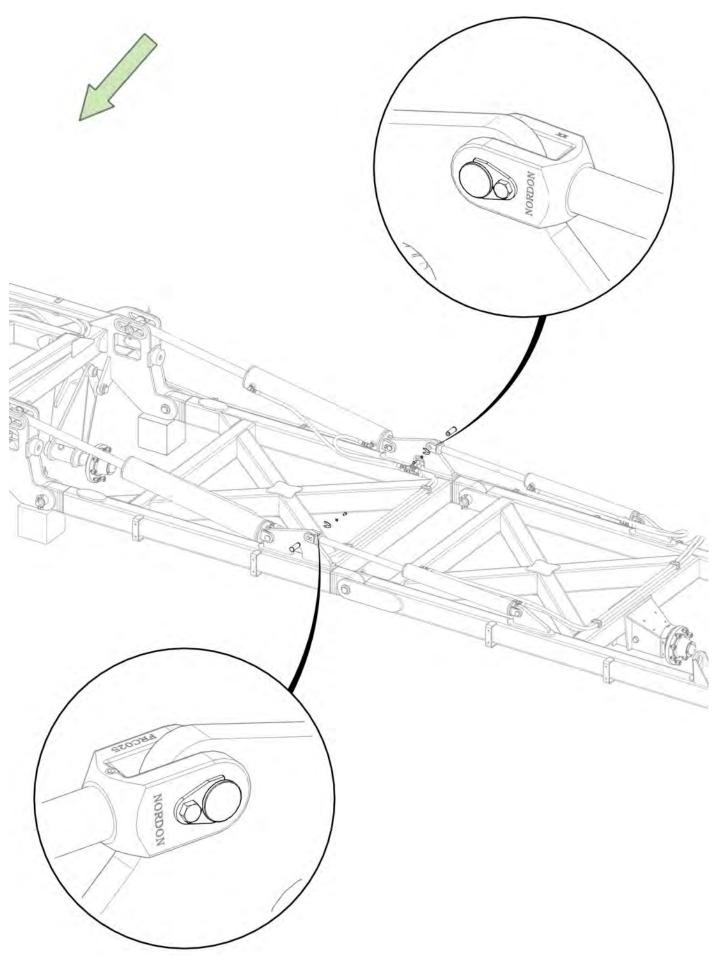


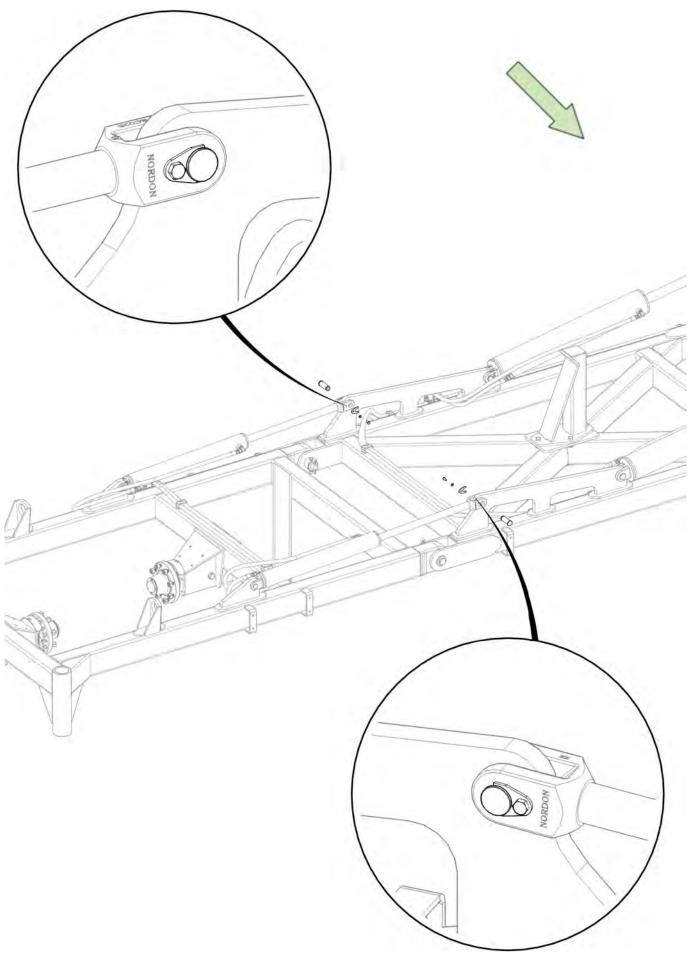
Cycle cylinders to expel air from system

| Item No. | Description | Number | Qty |
|----------|--------------------------------|---------|-----|
| 1 | Long Cylinder Pin Bearing Bush | 1201-19 | 8 |



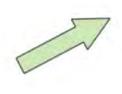


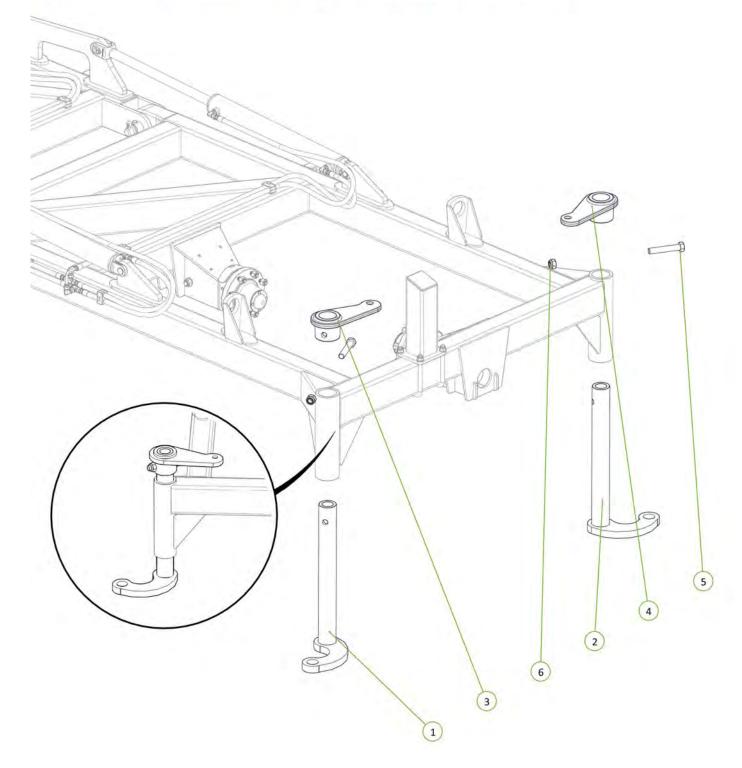




| Item No. | Description | Number | Qty |
|----------|------------------------------------|------------|-----|
| 1 | Super Single LH Drop Leg No Clevis | 0810-24SF | 1 |
| 2 | Super Single RH Drop Leg No Clevis | 0810-25SF | 1 |
| 3 | LH Chain Adjusting Lug | 0810-26 | 1 |
| 4 | RH Chain Adjusting Lug | 0810-27 | 1 |
| 5 | M24 x 140 grade 8.8 zp Bolt | 0211-24140 | 2 |
| 6 | Nyloc Nut M24 | 0221-NYL24 | 2 |



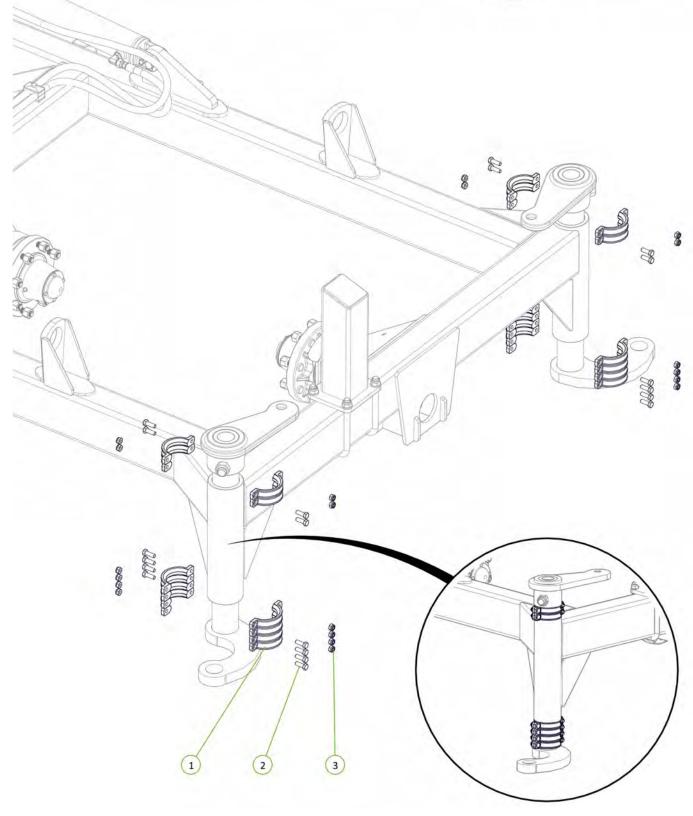




| Item No. | Description | Number | Qty |
|----------|----------------------------|------------|-----|
| 1 | Cast 25mm Spacing | 0801-CS25 | 24 |
| 2 | M10 x 30 grade 8.8 ZP Bolt | 0211-1030 | 24 |
| 3 | Nyloc Nut M10 | 0221-NYL10 | 24 |

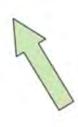


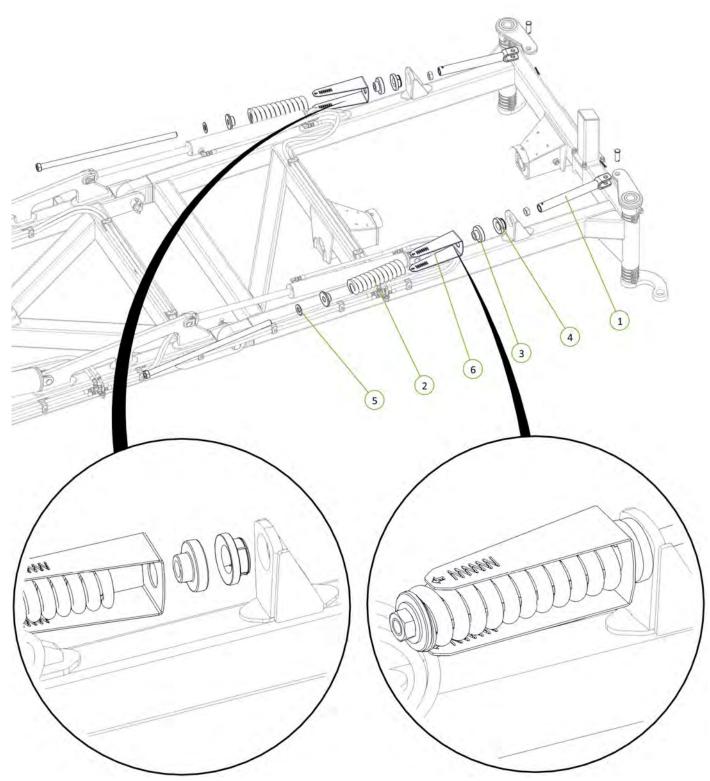




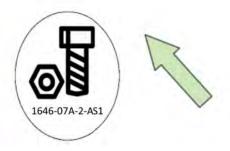
| Item No. | Description | Number | Qty |
|----------|--------------------------------|---------------|-----|
| 1 | Chain Tension Adjustor | 0802-PCHTA | 2 |
| 2 | Heavy Duty Coil Spring 24mm | 0801-K2455350 | 2 |
| 3 | Tensioner Cup - Male | 0801-KE0805-3 | 2 |
| 4 | Female Spring Locator | 0801-KE0805-4 | 2 |
| 5 | Washer High Tensile 1 1/4" | 0232-HT11-4 | 2 |
| 6 | 330mm Spring Tension Indicator | 0800-758 | 2 |

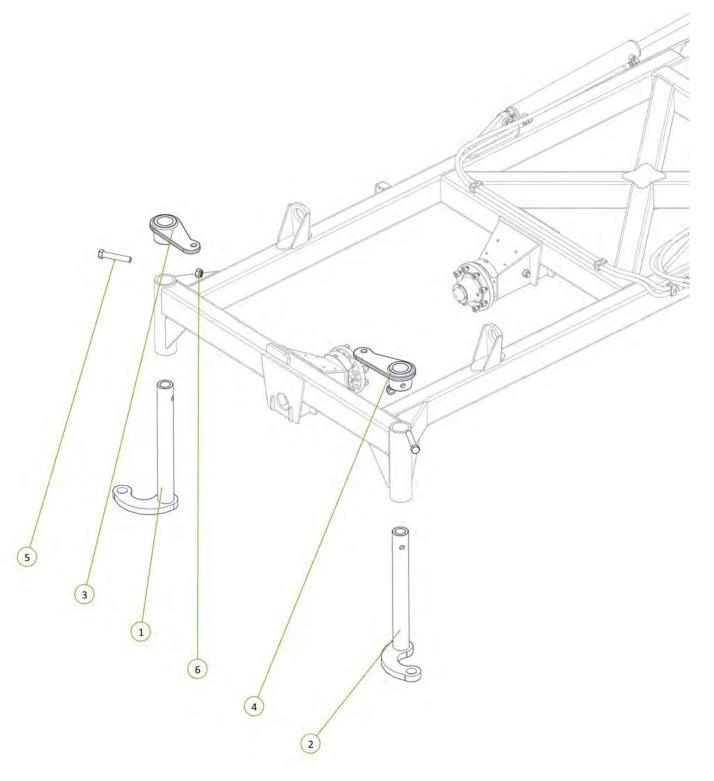




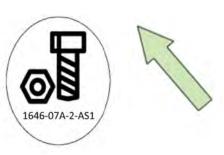


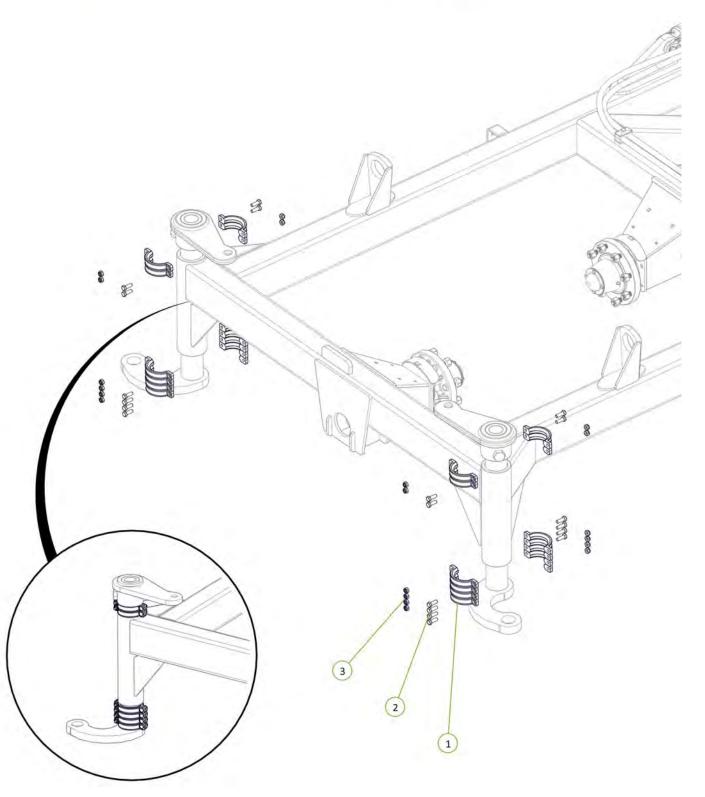
| Item No. | Description | Number | Qty |
|----------|------------------------------------|------------|-----|
| 1 | Super Single LH Drop Leg No Clevis | 0810-24SF | 1 |
| 2 | Super Single RH Drop Leg No Clevis | 0810-25SF | 1 |
| 3 | LH Chain Adjusting Lug | 0810-26 | 1 |
| 4 | RH Chain Adjusting Lug | 0810-27 | 1 |
| 5 | M24 x 140 grade 8.8 zp Bolt | 0211-24140 | 2 |
| 6 | Nyloc Nut M24 | 0221-NYL24 | 2 |





| Item No. | Description | Number | Qty |
|----------|----------------------------|------------|-----|
| 1 | Cast 25mm Spacing | 0801-CS25 | 24 |
| 2 | M10 x 30 grade 8.8 ZP Bolt | 0211-1030 | 24 |
| 3 | Nyloc Nut M10 | 0221-NYL10 | 24 |

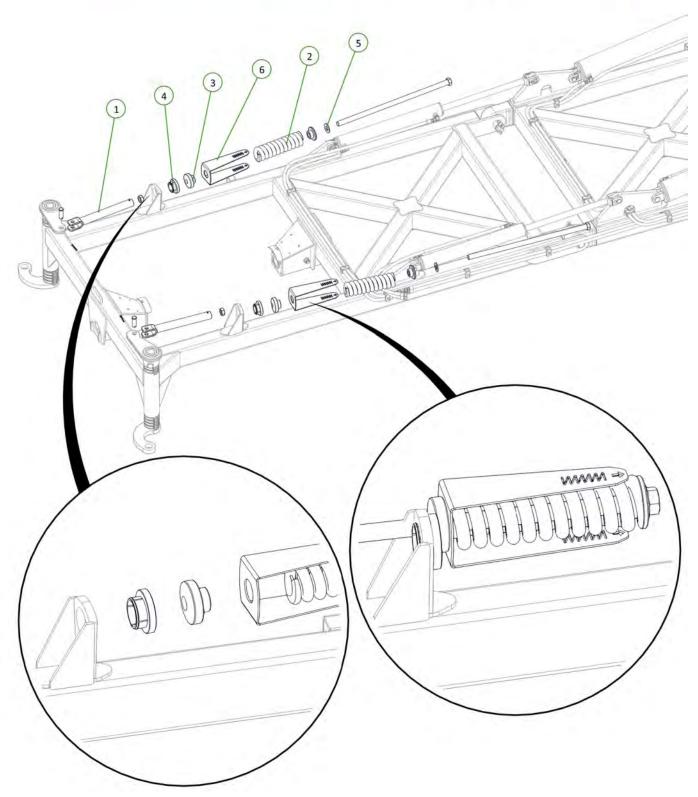




| Item No. | Description | Number | Qty |
|----------|--------------------------------|---------------|-----|
| 1 | Chain Tension Adjustor | 0802-PCHTA | 2 |
| 2 | Heavy Duty Coil Spring 24mm | 0801-K2455350 | 2 |
| 3 | Tensioner Cup - Male | 0801-KE0805-3 | 2 |
| 4 | Female Spring Locator | 0801-KE0805-4 | 2 |
| 5 | Washer High Tensile 1 1/4" | 0232-HT11-4 | 2 |
| 6 | 330mm Spring Tension Indicator | 0800-758 | 2 |

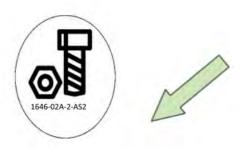


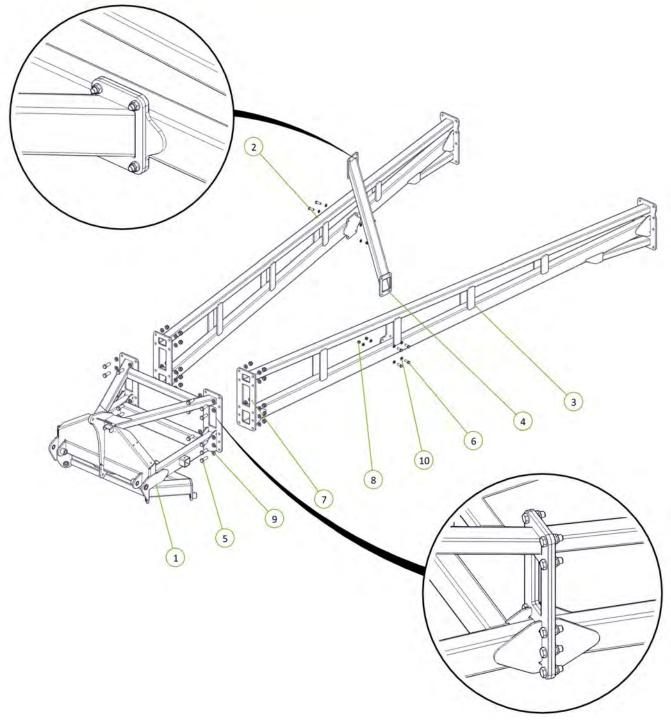




| Item No. | Description | Number | | ^ |
|-----------|--|--------------------------|-------------------|--|
| | | | ity . | |
| 2 | Walking Axle Linkage M12 x 90 Class 8.8 ZP Bolt | 1610-33 2 0211-1290 4 | | // |
| 3 | Walking Axle Linkage Pivot Pin | 1601-P38-220 | | // |
| 4 | 1-1/2 ID x 1-1/4mm DU Bush | 0113-24DU20 | | / |
| 5 | Nyloc Nut M12 | 0221-NYL12 | | |
| 6 | Cotter Pin M13 x 63 | 0261-PINC1363 | | |
| | | | | 1 |
| (1 | | | | 16 |
| | 2 | 0 | | |
| | 000 | 5 | 3 | |
| 0/0 | | | 6,20 | |
| | | | | |
| | | | | |
| 10 | | | | |
| | that are next | | | |
| | that are part | | | 0 |
| bled on | delivery you | | | C 4 |
| netall th | e Walking Axle | | | JOHN |
| istaii ti | e walking Axie | | 1000 | 1 |
| je 1610-: | 33 before con- | | | |
| J. | | | | |
|)• | | | The second second | |
| | | | | M |
| | | | | 11 |
| | MII IK | | | The state of the s |
| | | | | A CONTRACT |
| | | \ | | |
| | | | | 1 |
| | | 1 | | 1 |
| | A 1 | | THE | 1 |
| | 0 | | 0 | _ |
| | | | | = |
| | | A | | |
| 7/10/ | | // / | | |
| 11 11 | A I | | | |
| | | | | / |
| 11/1 | | | | |
| | | | | |

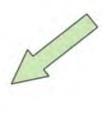
| Item No. | Description | Number | Qty |
|----------|-------------------------------|--------------|-----|
| 1 | 46' Main Pull - Nose | 1646-02-01-2 | 1 |
| 2 | 46' Main Pull Right Hand Side | 1646-02-02 | 1 |
| 3 | 46' Main Pull Left Hand Side | 1646-02-03 | 1 |
| 4 | 46' Main Pull Brace | 1646-02-04 | 1 |
| 5 | M24 x 75 grade 8.8 zp Bolt | 0211-2475 | 20 |
| 6 | M16 x 50 grade 8.8 zp Bolt | 0211-1650 | 8 |
| 7 | Nyloc Nut M24 | 0221-NYL24 | 20 |
| 8 | Nyloc Nut M16 | 0221-NYL16 | 8 |
| 9 | Washer Flat M24 | 0231-F24 | 40 |
| 10 | Washer Flat M16 | 0231-F16 | 16 |

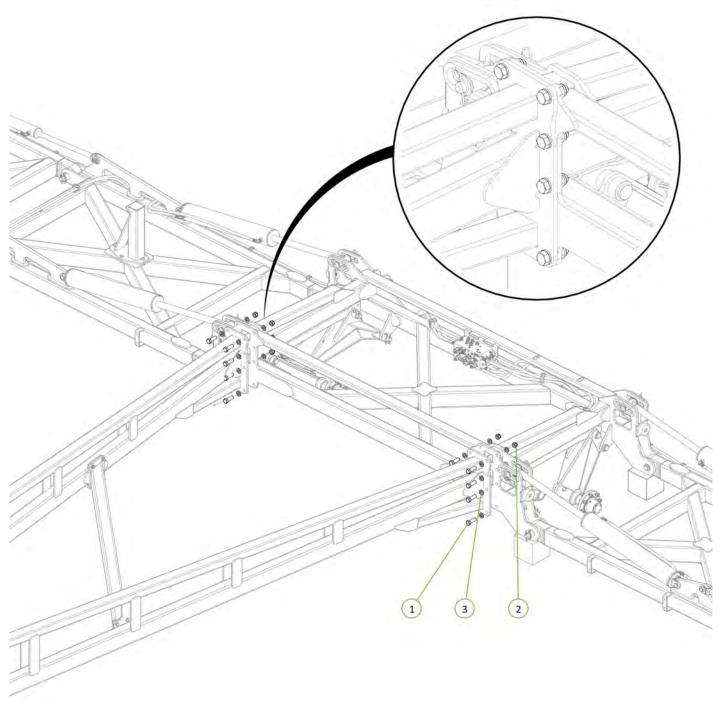




| Item No. | Description | Number | Qty |
|----------|----------------------------|------------|-----|
| 1 | M24 x 75 grade 8.8 zp Bolt | 0211-2475 | 16 |
| 2 | Nyloc Nut M24 | 0221-NYL24 | 16 |
| 3 | Washer Flat M24 | 0231-F24 | 32 |

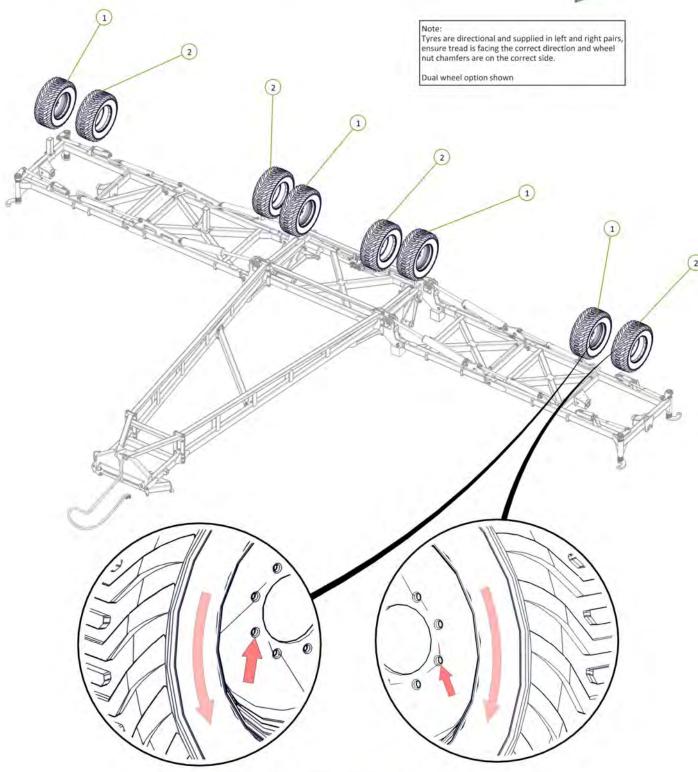




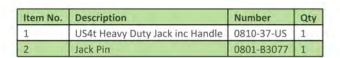


| Item No. | Description | Number | Qty |
|----------|--|----------------------|-----|
| 1 | 400/55-22.5 Tyre on 8 on 8" PCD Rim (Right Hand) | 0751-400-55-22.5TR-R | 4 |
| 2 | 400/55-22.5 Tyre on 8 on 8" PCD Rim (Left Hand) | 0751-400-55-22.5TR-L | 4 |

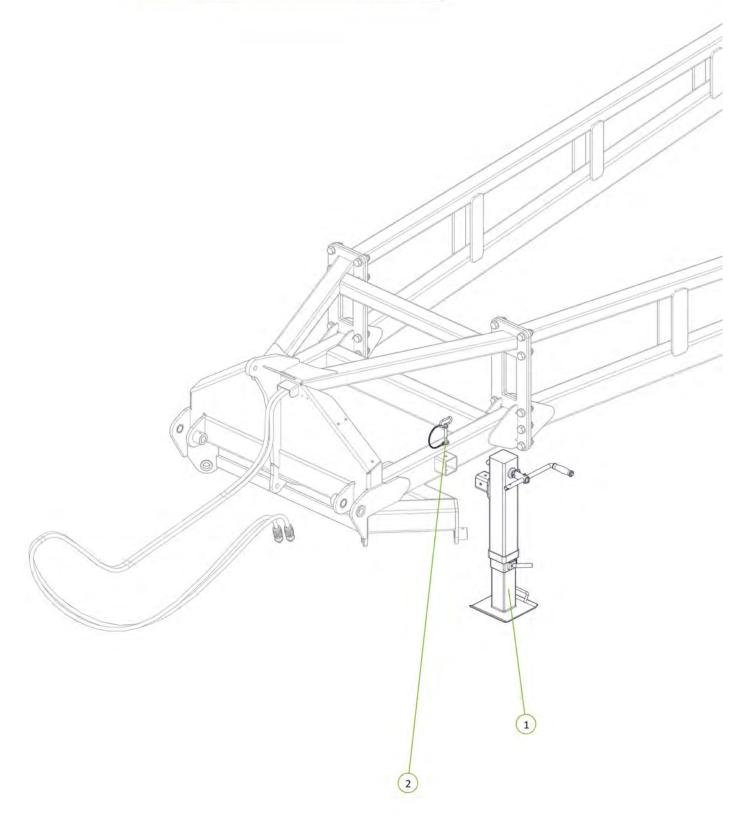




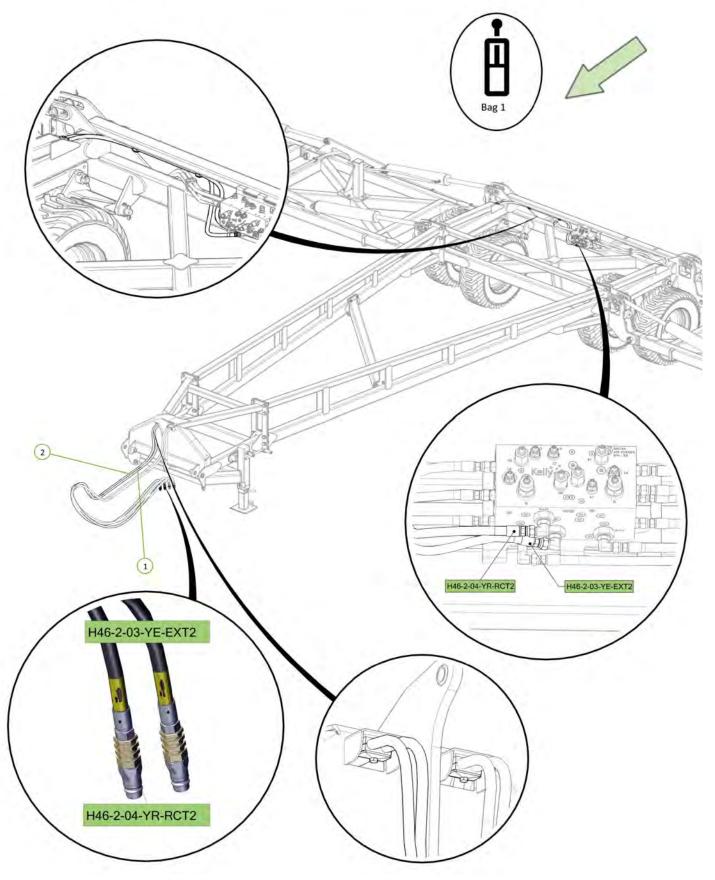
Torque wheel nuts to 100ft-lb / 140Nm

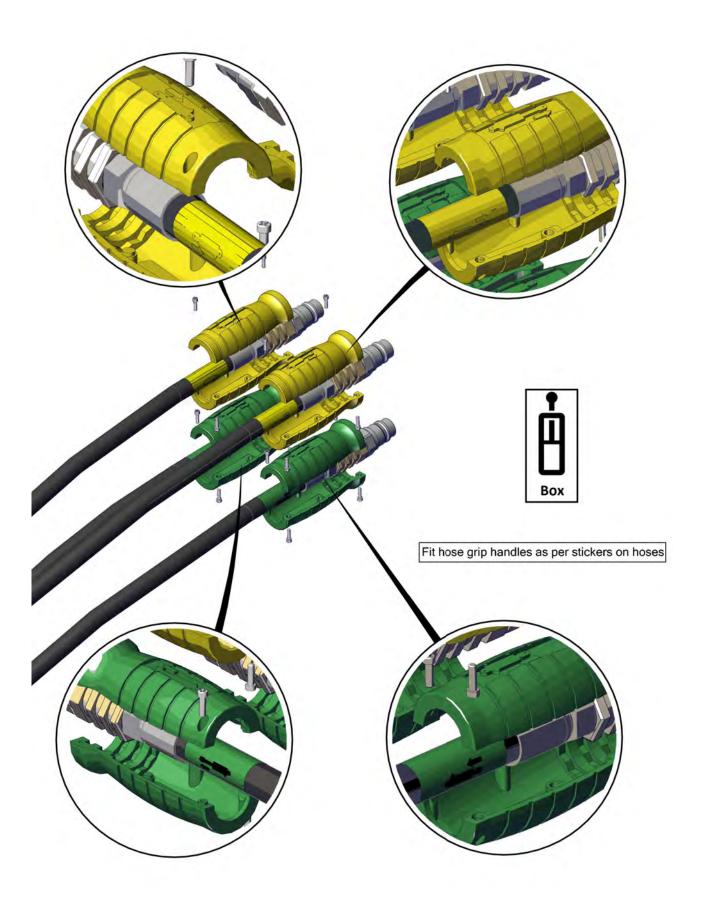


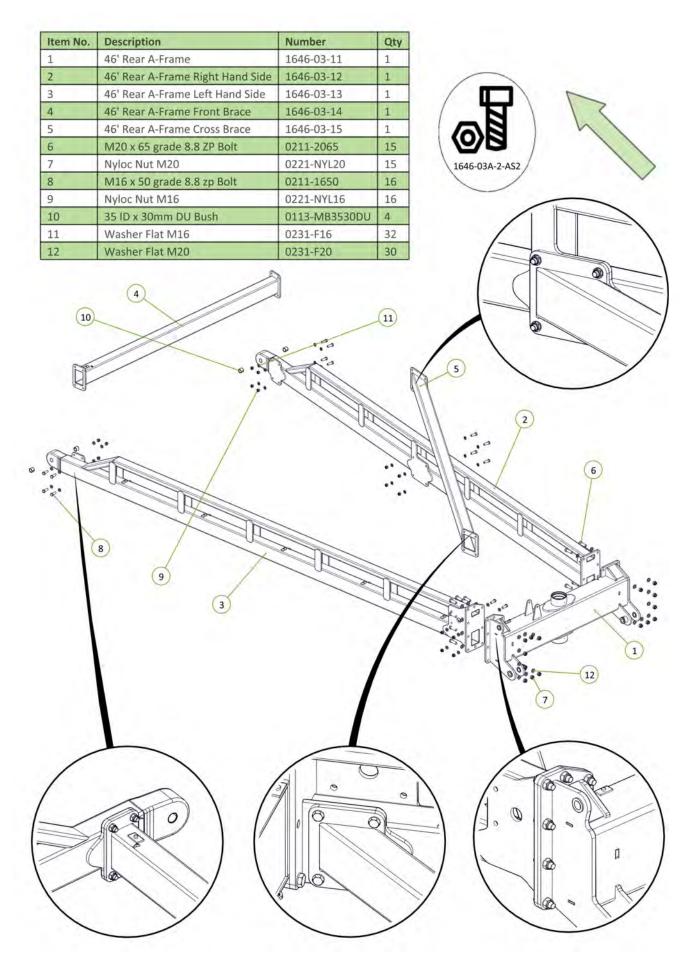




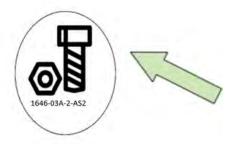
| Item No. | Description | Number | Qty |
|----------|--|------------------|-----|
| 1 | Tractor to Sequence Valve EXT2 Port Fitted With Yellow EXT Decal | H46-2-03-YE-EXT2 | 1 |
| 2 | Tractor to Sequence Valve RTC2 Port Fitted With Yellow RTC Decal | H46-2-04-YR-RCT2 | 1 |

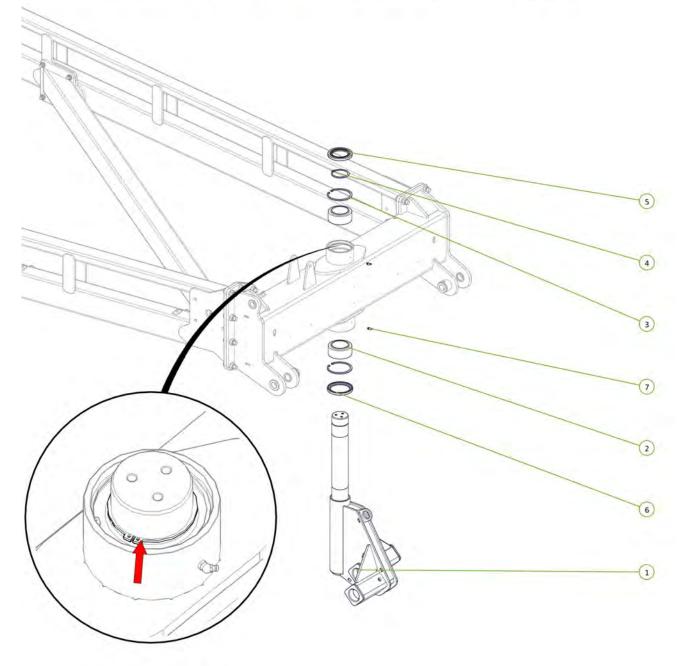




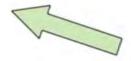


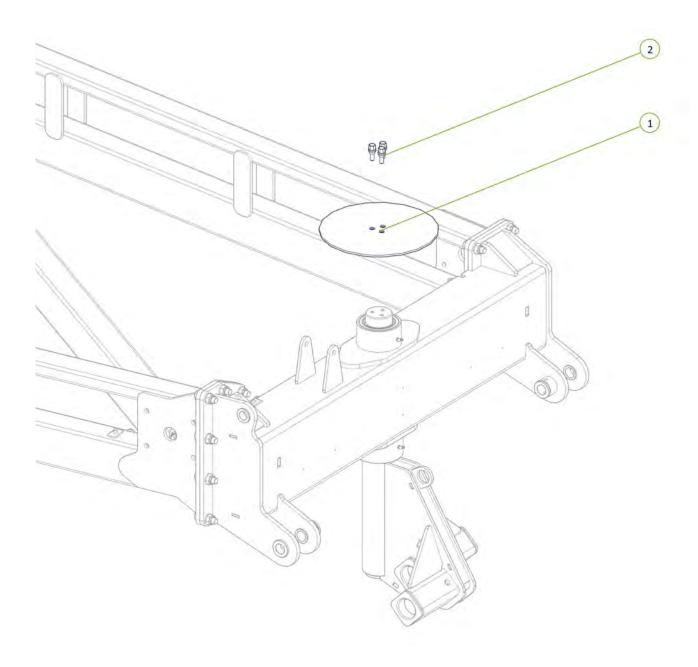
| Item No. | Description | Number | Qty |
|----------|------------------------------------|------------------|-----|
| 1 | Jockey Wheel 90mm Shaft 70mm Axles | 1610-13-90 | 1 |
| 2 | Plain Spherical Bearing 90mm | 0113-GE90DO-2RSP | 2 |
| 3 | Circlip Internal 130mm | 0171-J130 | 2 |
| 4 | Circlip External 90mm | 0172-D1400-90 | 1 |
| 5 | TC Seal 90mm x 135mm x 12mm | 0121-TC12906 | 1 |
| 6 | TC Seal 110mm x 140mm x 12mm | 0121-TC12700 | 1 |
| 7 | Grease Nipple 1/4" UNF 45° | 0181-GN1/445 | 2 |





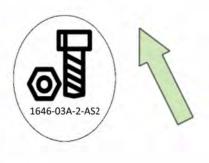
| Item No. | Description | Number | Qty |
|----------|---------------------|-------------|-----|
| 1 | Brake Disc | 1600-405 | 1 |
| 2 | M12 x 24 Wheel Bolt | 0216-WB1224 | 3 |

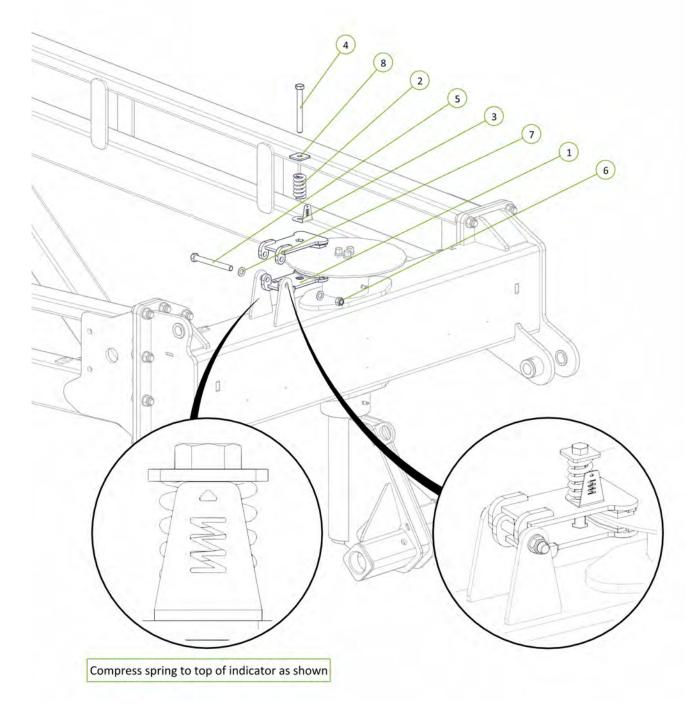




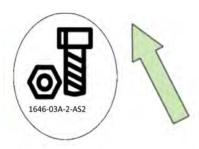
Torque wheel bolts to 65ft-lb / 88Nm

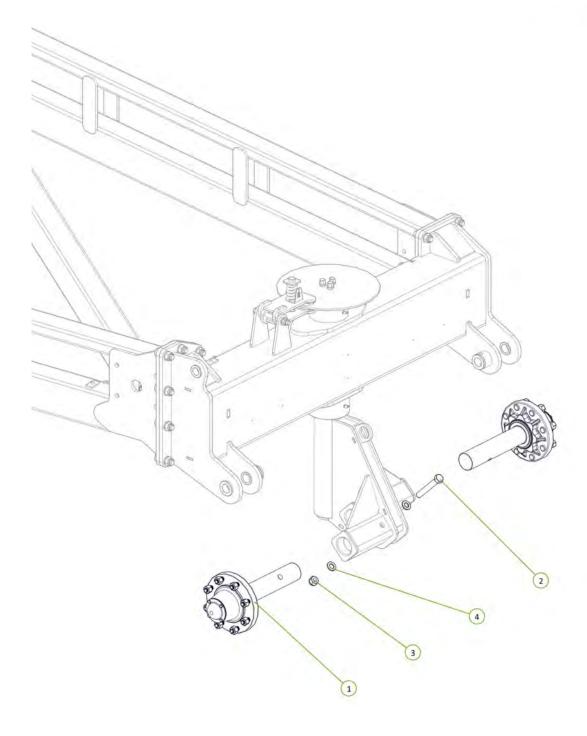
| Item No. | Description | Number | Qty |
|----------|-----------------------------|--------------|-----|
| 1 | Jockey Wheel Brake Caliper | 0810-12CAL | 1 |
| 2 | Brake Compression Spring | 0801-KE009 | 1 |
| 3 | Brake Spring Indicator | 0800-772 | 1 |
| 4 | M16 x 150 Class 8.8 ZP Bolt | 0211-16150 | 1 |
| 5 | M16 x 160 Class 8.8 ZP Bolt | 0211-16160 | 1 |
| 6 | Nyloc Nut M16 | 0221-NYL16 | 1 |
| 7 | Washer Flat M16 | 0231-F16 | 2 |
| 8 | Washer Square M16 x 50 x 5 | 0231-SQ16505 | 1 |



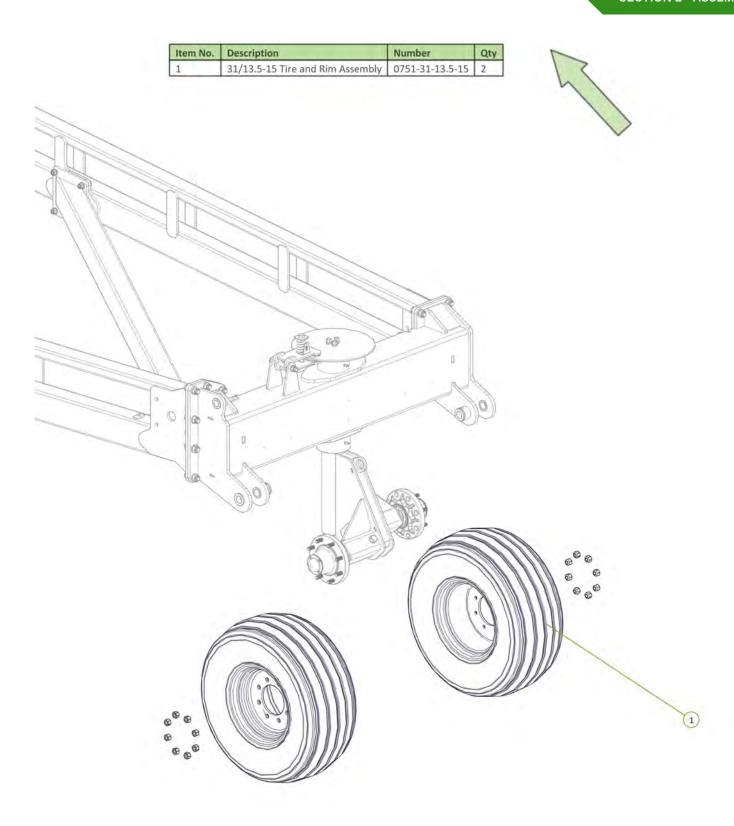


| Item No. | Description | Number | Qty |
|----------|---|----------------|-----|
| 1 | 2.75"R C/W 6 tonne 8 on 8" PCD Complete Assembly inc GS | 0733-LG6080067 | 2 |
| 2 | M20 x 140 Class 8.8 ZP Bolt | 0211-20140 | 2 |
| 3 | Nyloc Nut M20 | 0221-NYL20 | 2 |
| 4 | Washer Flat M20 | 0231-F20 | 4 |



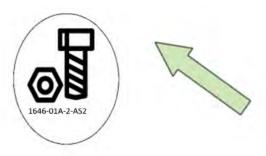


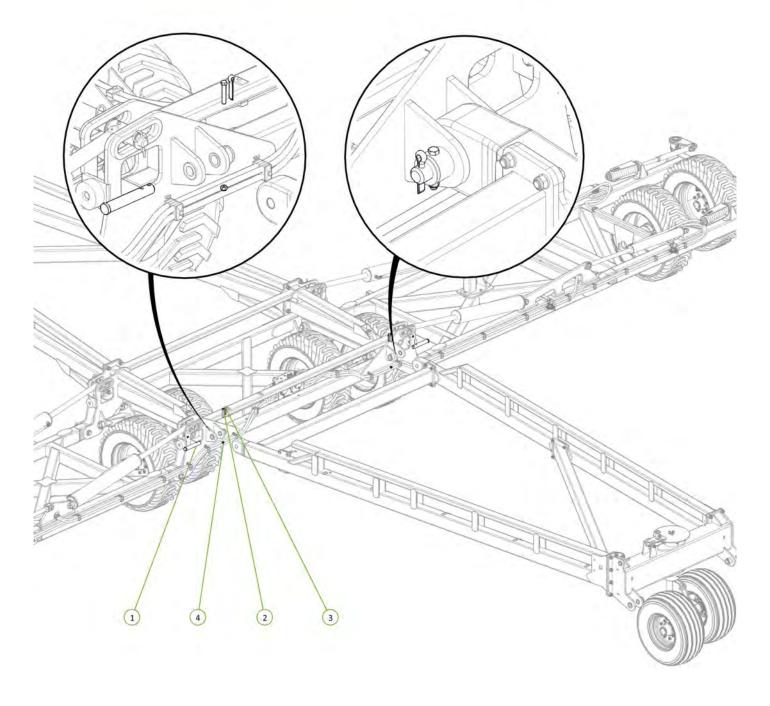
NOTE: Grease wheel bearings



Torque wheel nuts to 100ft-lb / 140Nm

| Item No. | Description | Number | Qty |
|----------|----------------------------|----------------|-----|
| 1 | PCH Wing Pivot Pin | 0801-10-08-235 | 2 |
| 2 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 2 |
| 3 | Cotter Pin M13 x 63 | 0261-PINC1363 | 2 |
| 4 | Nyloc Nut M12 | 0221-NYL12 | 2 |

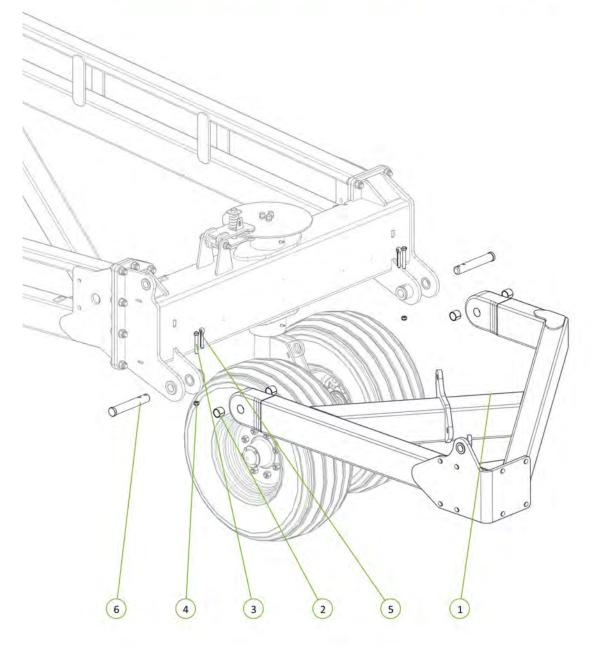




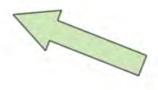
| Item No. | Description | Number | Qty |
|----------|----------------------------|----------------|-----|
| 1 | Rear Tail | 1510-405-3 | 1 |
| 2 | 35 ID x 30mm DU Bush | 0113-MB3530DU | 4 |
| 3 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 2 |
| 4 | Nyloc Nut M12 | 0221-NYL12 | 2 |
| 5 | Cotter Pin M13 x 63 | 0261-PINC1363 | 2 |
| 6 | PCH Wing Pivot Pin | 0801-10-08-235 | 2 |

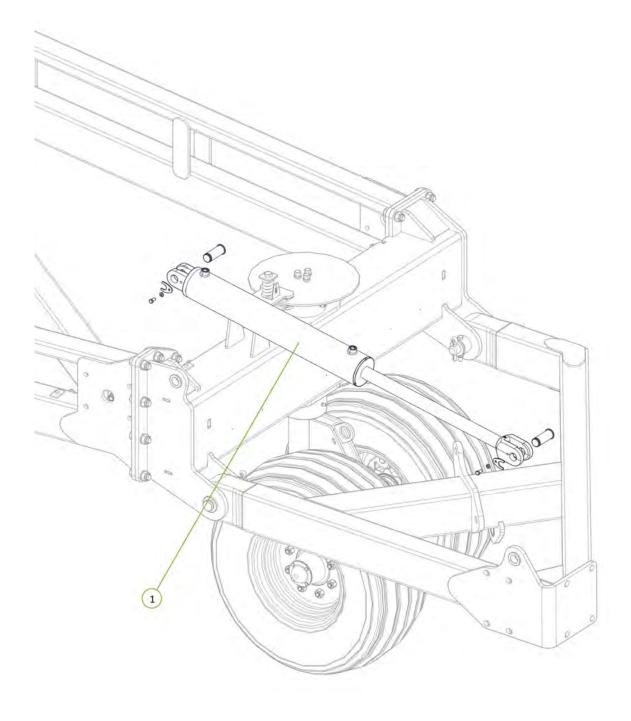


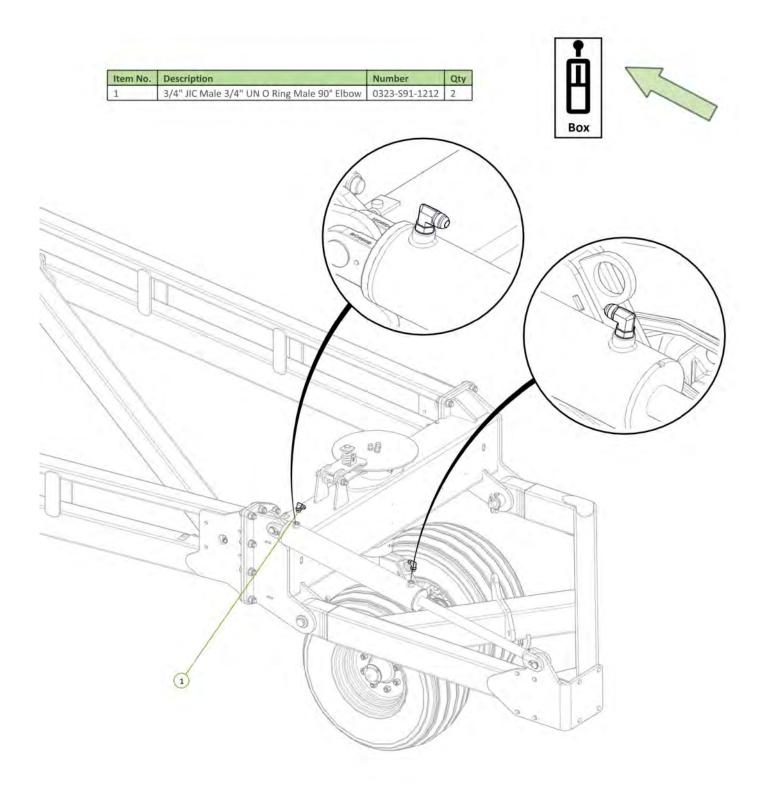




| Item No. | Description | Number | Qty |
|----------|---|----------|-----|
| 1 | 4" Bore 24" Stroke 1.75" Rod Hydraulic Cylinder | 0311-424 | 1 |

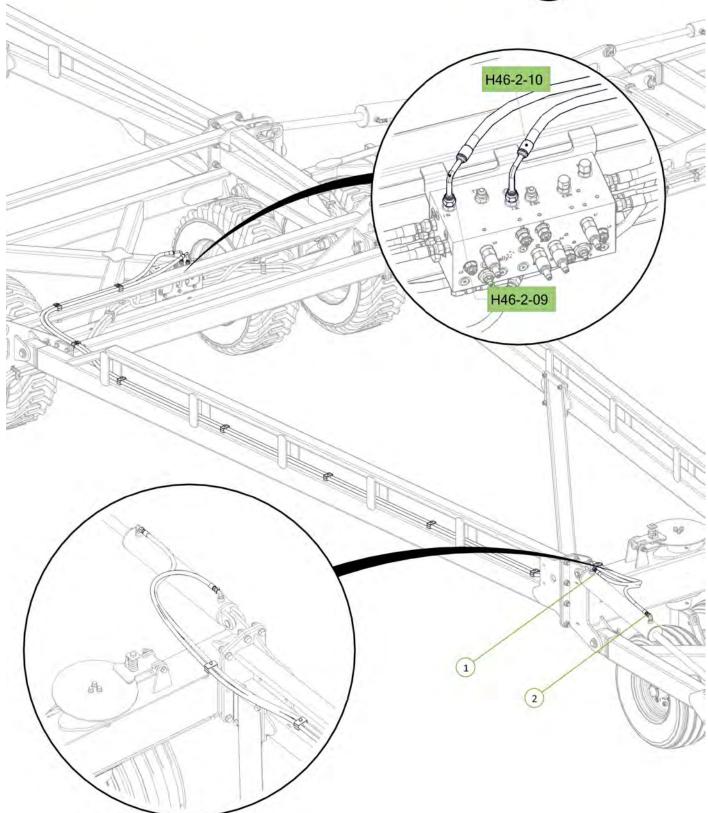




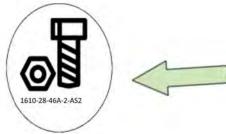


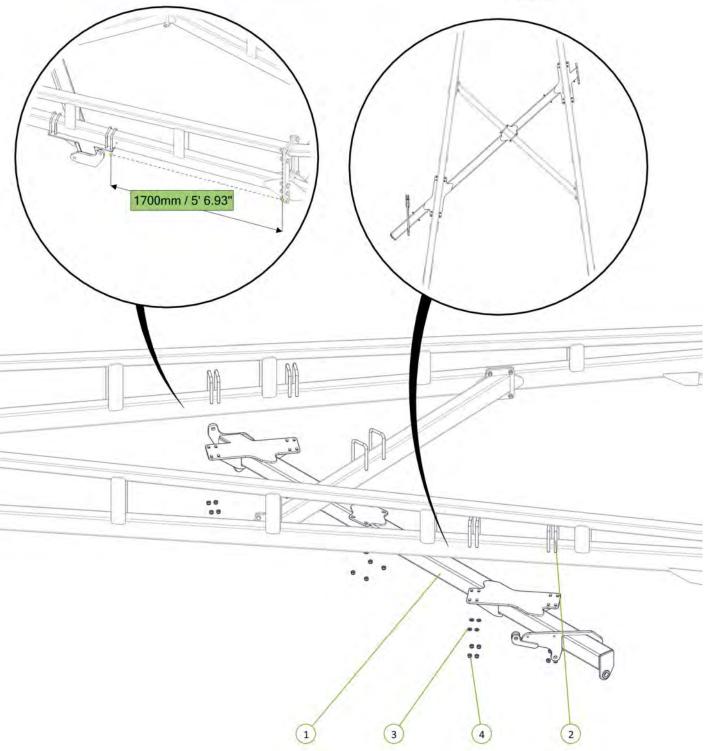
| Item No. | Description | Number | Qty |
|----------|---|----------|-----|
| 1 | Sequence Valve TE1 Port to Tail Cylinder Extend Port | H46-2-09 | 1 |
| 2 | Sequence Valve TR1 Port to Tail Cylinder Retract Port | H46-2-10 | 1 |



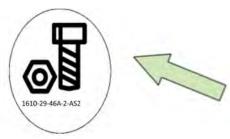


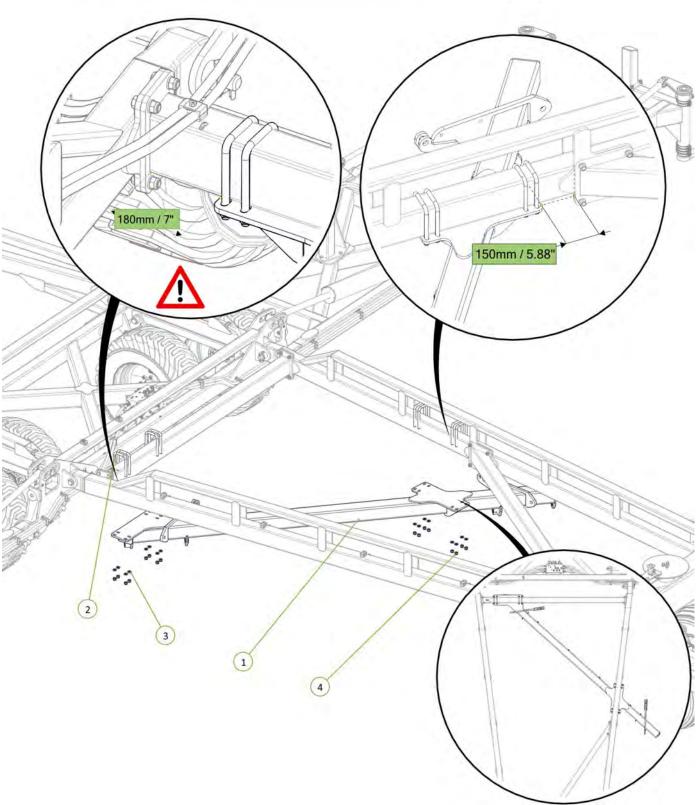
| Item No. | Description | Number | Qty |
|----------|----------------------------------|----------------|-----|
| 1 | 46' Front Module Frame | 1610-28-46-3 | 1 |
| 2 | U-Bolt M16 x 190 Deep x 106 Wide | 0271-16190106U | 10 |
| 3 | Washer Flat M16 | 0231-F16 | 20 |
| 4 | Nyloc Nut M16 | 0221-NYL16 | 20 |



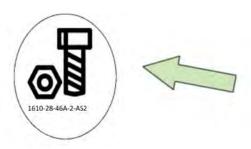


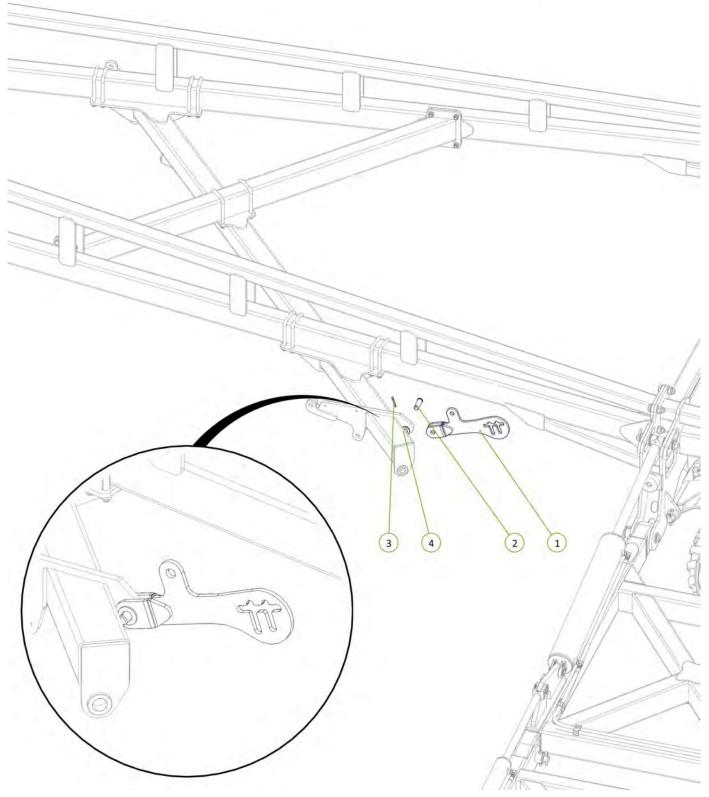
| Item No. | Description | Number | Qty |
|----------|----------------------------------|----------------|-----|
| 1 | 46' Rear Module Frame | 1610-29-46-3 | 1 |
| 2 | U-Bolt M16 x 190 Deep x 106 Wide | 0271-16190106U | 8 |
| 3 | Washer Flat M16 | 0231-F16 | 16 |
| 4 | Nyloc Nut M16 | 0221-NYL16 | 16 |

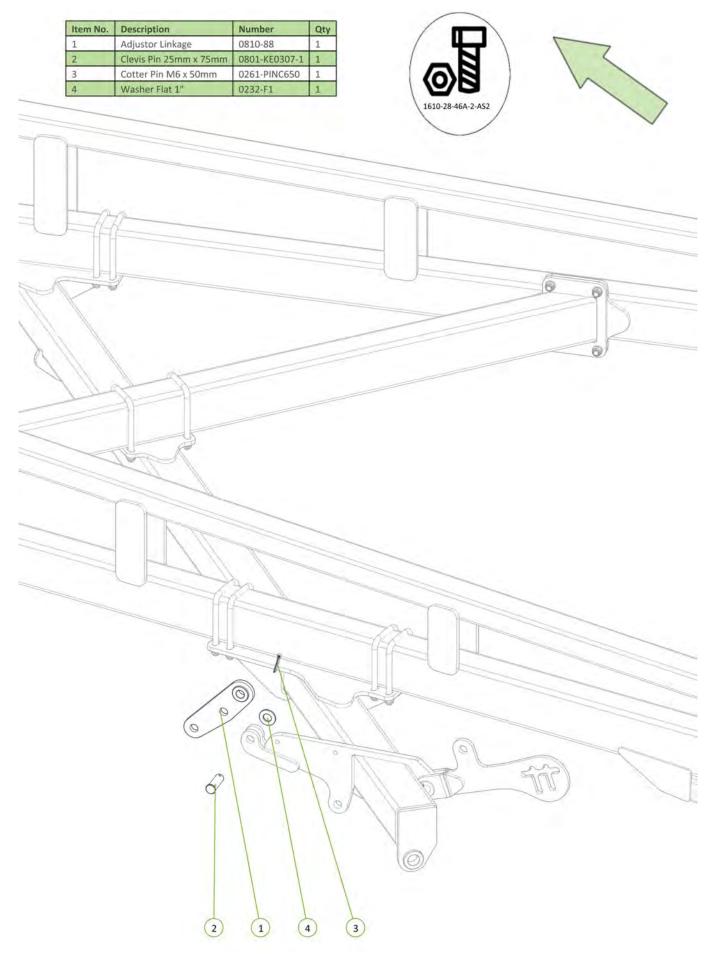


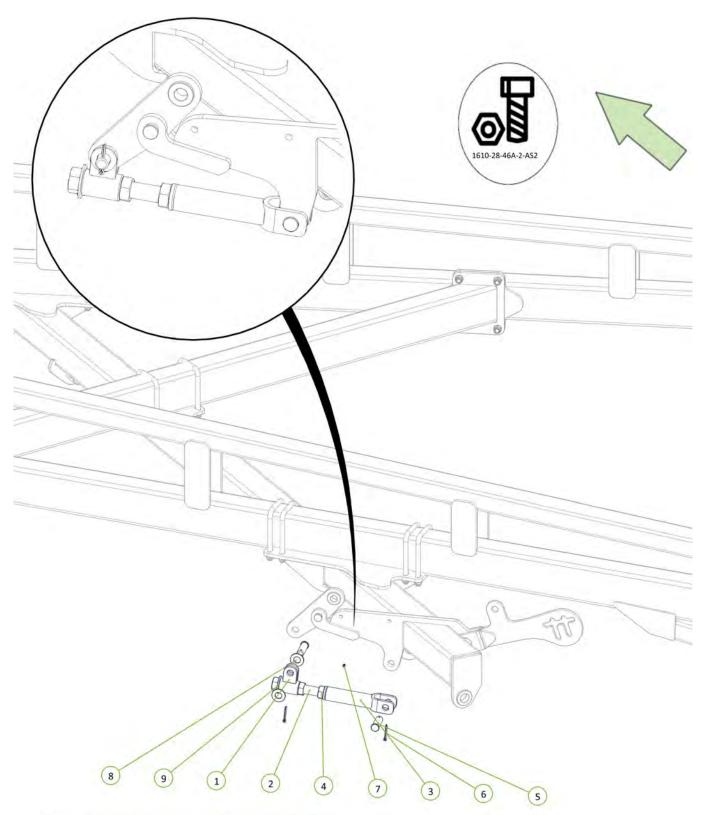


| Item No. | Description | Number | Qty |
|----------|------------------------|---------------|-----|
| 1 | Long Module Lift Arm | 1610-106 | 1 |
| 2 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 1 |
| 3 | Cotter Pin M6 x 50mm | 0261-PINC650 | 1 |
| 4 | Washer Flat M24 | 0231-F24 | 1 |



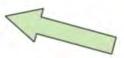


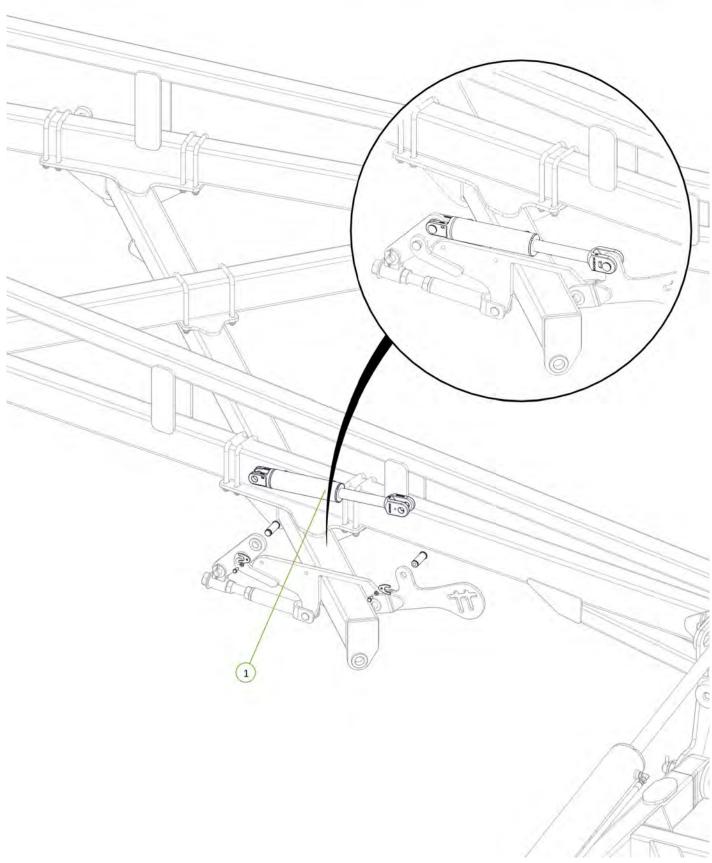




| Item No. | Description | Number | Qty |
|----------|--------------------------------|---------------|-----|
| 1 | Adjuster Mount | 0810-161 | 1 |
| 2 | Height Adjuster Rod Bolt | 0810-163 | 1 |
| 3 | Tension Adjuster Body | 0810-164 | 1 |
| 4 | ACME Lock Nut 1 1/4 - 5NA - 2G | 0801-PCHTA-5N | 2 |
| 5 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 2 |
| 6 | Cotter Pin M6 x 50mm | 0261-PINC650 | 2 |
| 7 | Grease Nipple 1/4" UNF | 0181-GN1-4 | 1 |
| 8 | Washer Flat 1" | 0232-F1 | 2 |
| 9 | Washer High Tensile 1 1/4" | 0232-HT11-4 | 1 |

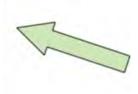
| Item No. | Description | Number | Qty |
|----------|---|------------|-----|
| 1 | 2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder | 0311-256SP | 1 |

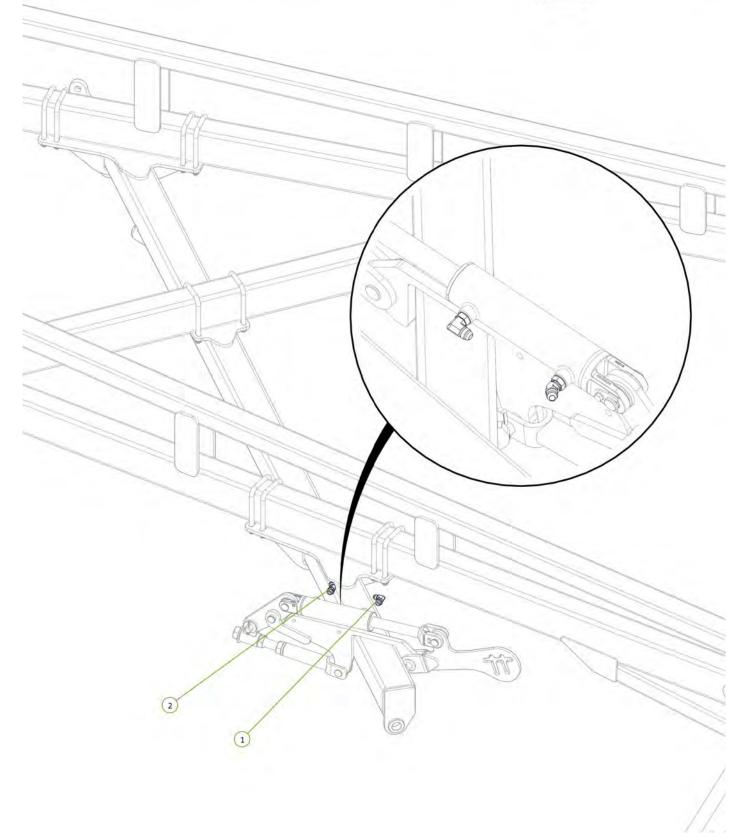


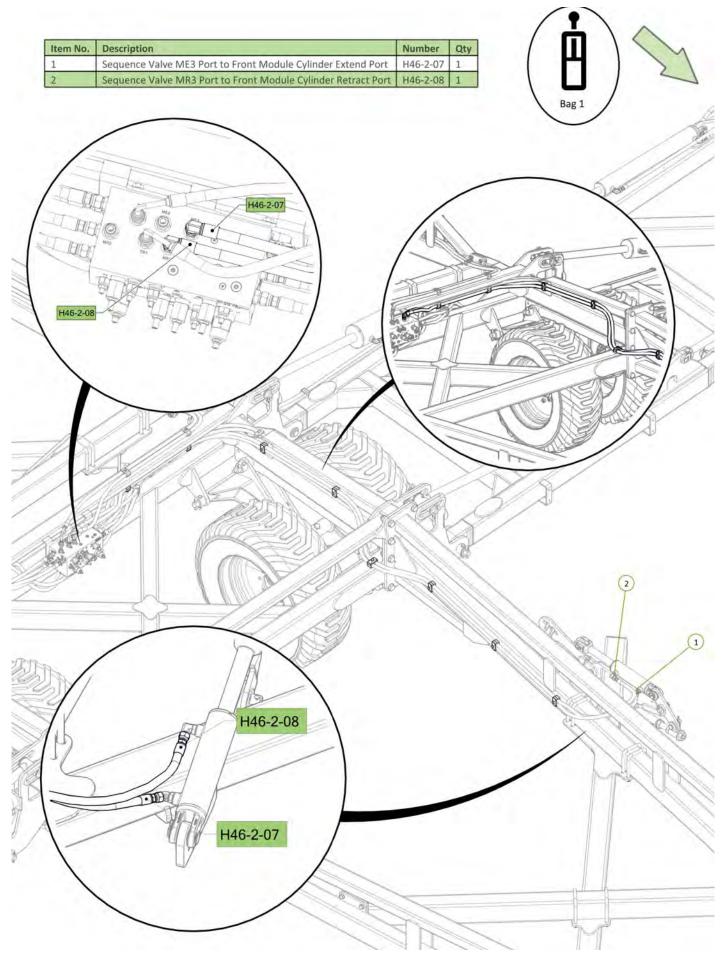


| Item No. | Description | Number | Qty |
|----------|---|---------------|-----|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 0323-S91-1212 | 1 |
| 2 | 3/4" JIC Male 3/4" UN O Ring Male 45° Elbow | 0323-588-1212 | 1 |



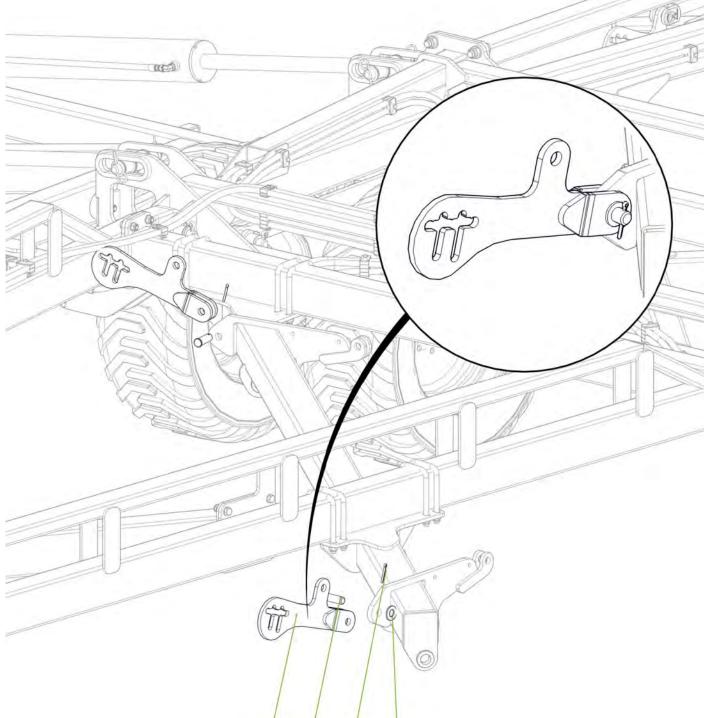








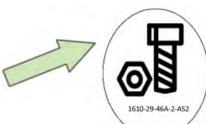


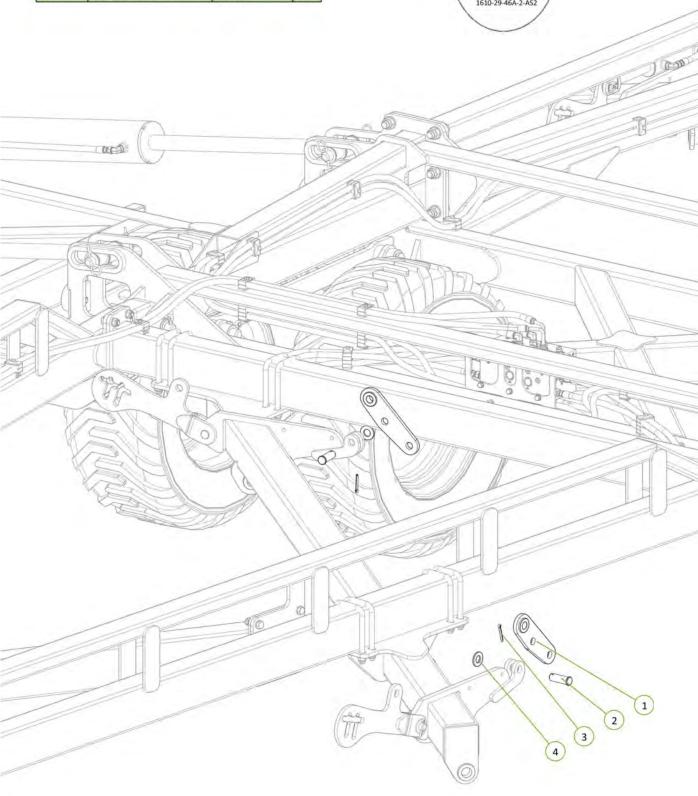


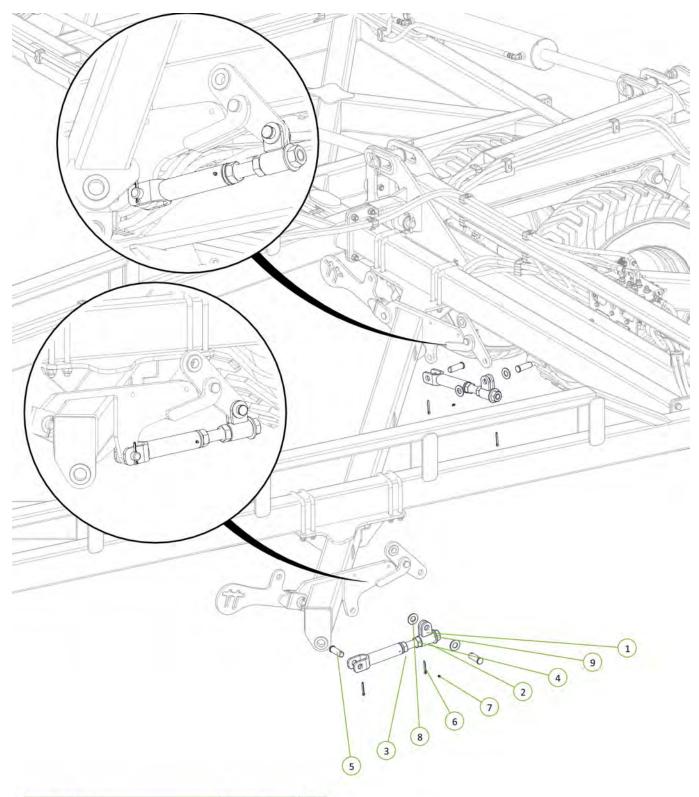
2

3

| Item No. | Description | Number | Qty |
|----------|------------------------|---------------|-----|
| 1 | Adjustor Linkage | 0810-88 | 2 |
| 2 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 2 |
| 3 | Cotter Pin M6 x 50mm | 0261-PINC650 | 2 |
| 4 | Washer Flat 1" | 0232-F1 | 2 |

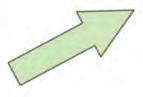


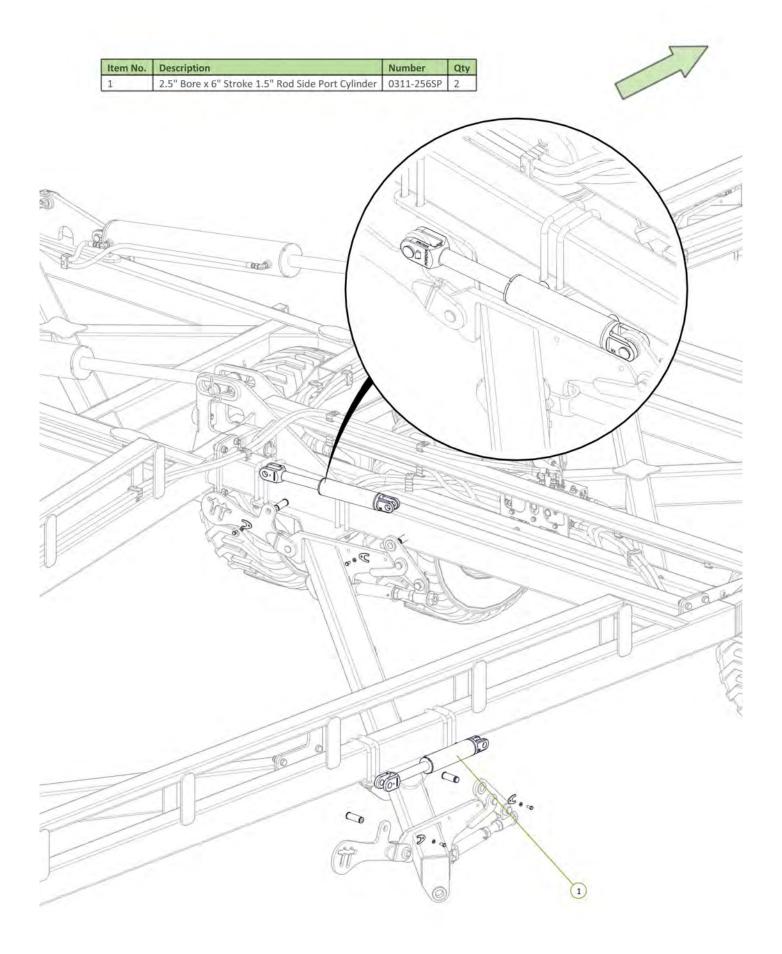




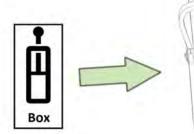
| Item No. | Description | Number | Qty |
|----------|--------------------------------|---------------|-----|
| 1 | Adjuster Mount | 0810-161 | 2 |
| 2 | Height Adjuster Rod Bolt | 0810-163 | 2 |
| 3 | Tension Adjuster Body | 0810-164 | 2 |
| 4 | ACME Lock Nut 1 1/4 - 5NA - 2G | 0801-PCHTA-5N | 4 |
| 5 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 4 |
| 6 | Cotter Pin M6 x 50mm | 0261-PINC650 | 4 |
| 7 | Grease Nipple 1/4" UNF | 0181-GN1-4 | 2 |
| 8 | Washer Flat 1" | 0232-F1 | 4 |
| 9 | Washer High Tensile 1 1/4" | 0232-HT11-4 | 2 |

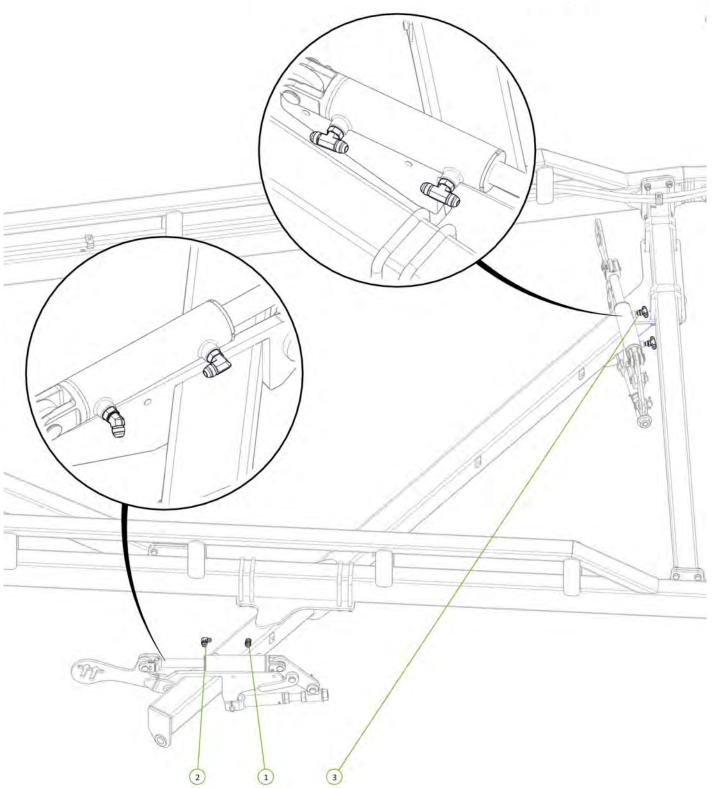




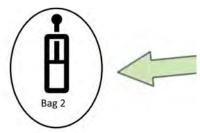


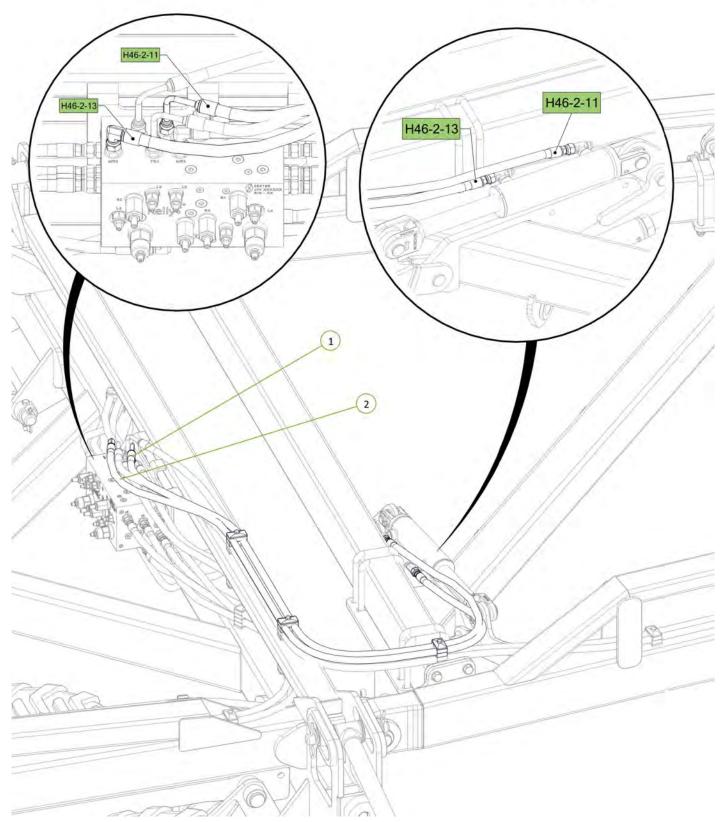
| Item No. | Description | Number | Qty |
|----------|---|-----------------|-----|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 45° Elbow | 0323-588-1212 | 1 |
| 2 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 0323-591-1212 | 1 |
| 3 | 3/4" IIC Male 3/4" IIC Male 3/4" UN O Ring Male Tee | 0324-592-121212 | 2 |



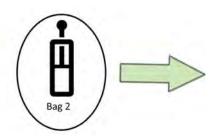


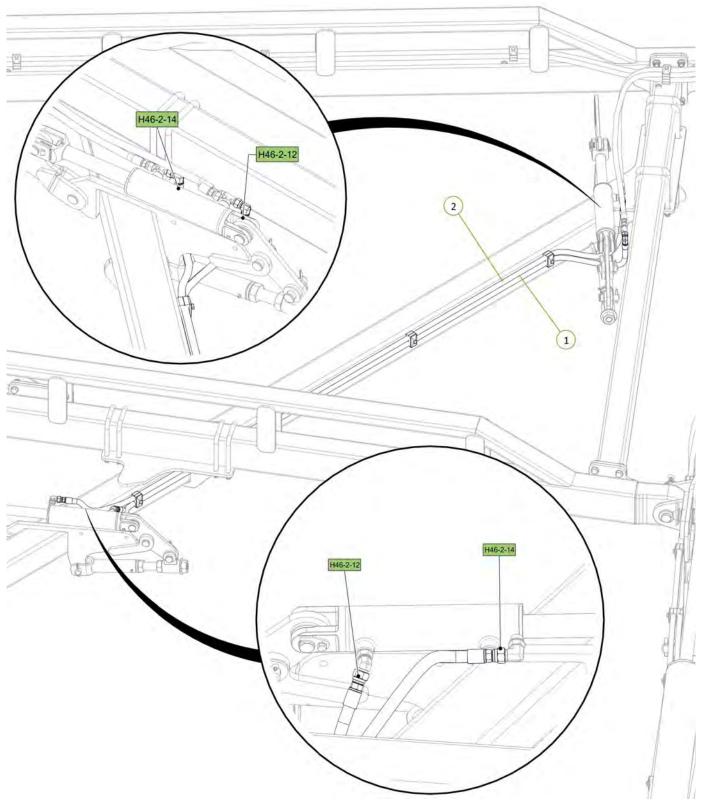
| Item No. | Description | Number | Qty |
|----------|--|----------|-----|
| 1 | Sequence Valve ME2 Port to LH Rear Module Extend Tee | H46-2-11 | 1 |
| 2 | Sequence Valve MR2 Port to LH Rear Module Retact Tee | H46-2-13 | 1 |



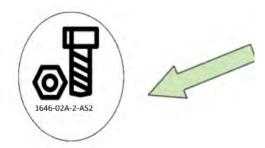


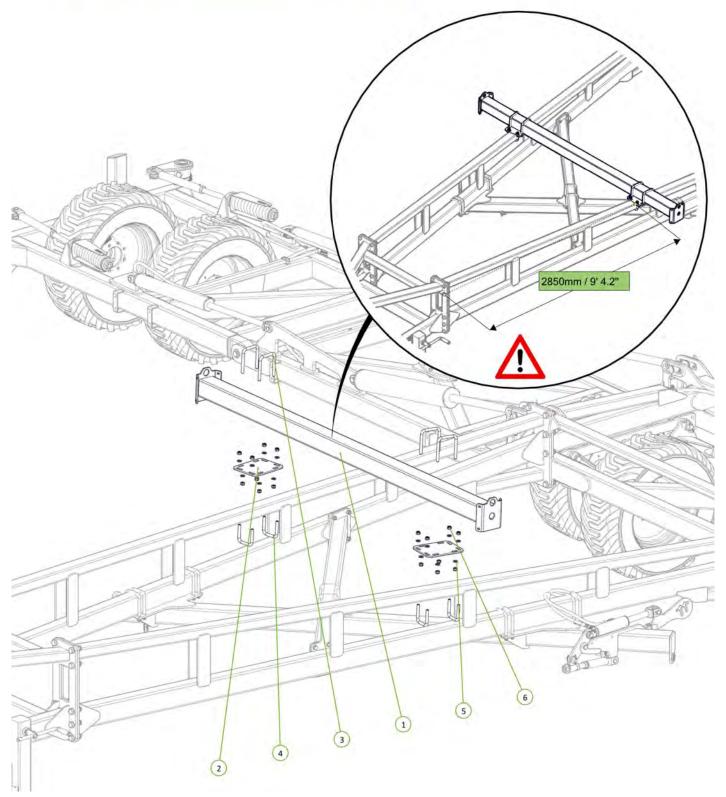
| Item No. | Description | Number | Qty |
|----------|--|----------|-----|
| 1 | LH Rear Module Extend Tee to RH Rear Module Cylinder Extend Port | H46-2-12 | 1 |
| 2 | LH Rear Module Retract Tee to RH Rear Module Cylinder Retract Port | H46-2-14 | 1 |



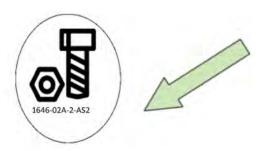


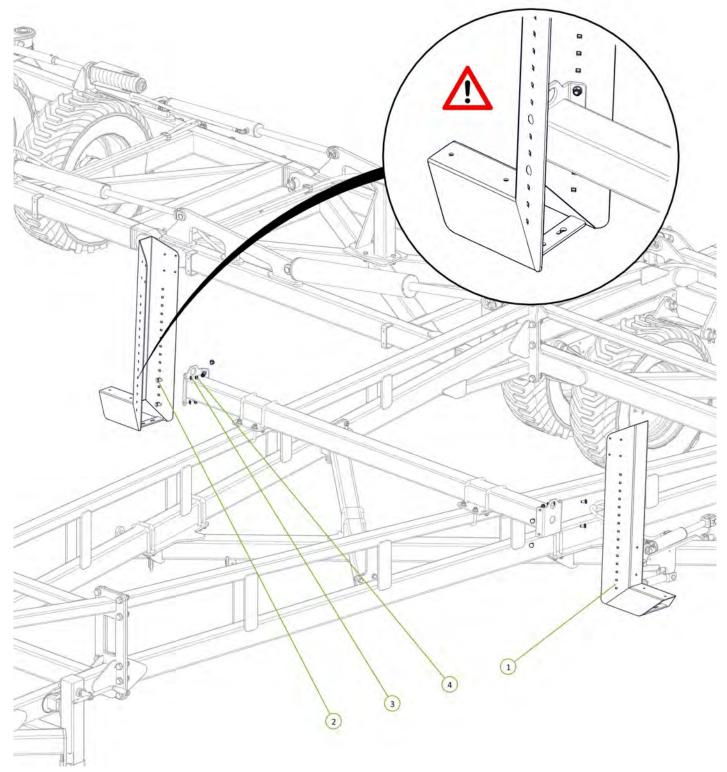
| Item No. | Description | Number | Qty |
|----------|----------------------------------|----------------|-----|
| 1 | 46' Chain Carrier Beam | 0810-17-45-46 | 1 |
| 2 | Chain Carrier Mount Plate | 0800-139.1 | 2 |
| 3. | U-Bolt M16 x 162 Deep x 129 Wide | 0271-16162129U | 4 |
| 4 | U-Bolt M16 x 114 Deep x 106 Wide | 0271-16114106U | 4 |
| 5 | Washer Flat M16 | 0231-F16 | 16 |
| 6 | Nyloc Nut M16 | 0221-NYL16 | 16 |



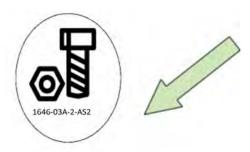


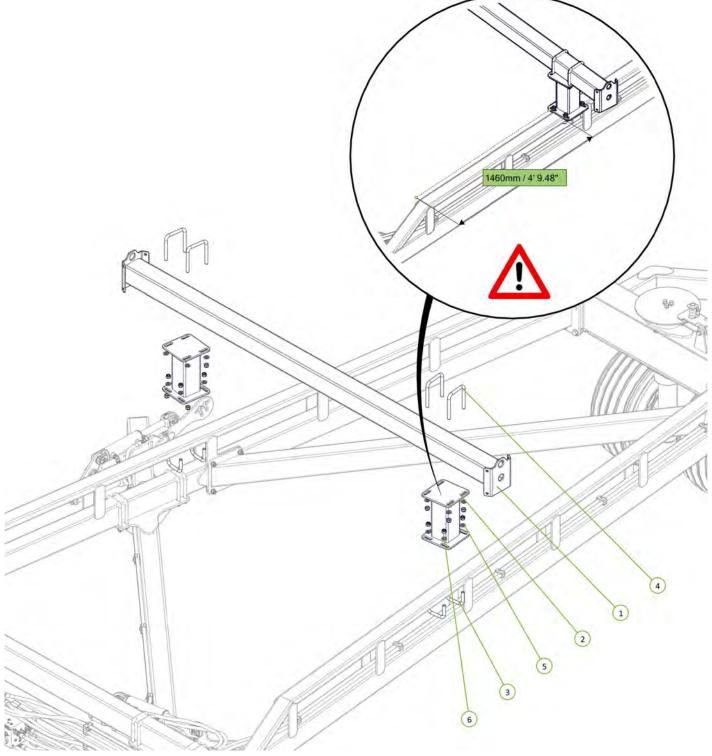
| Item No. | Description | Number | Qty |
|----------|------------------------------------|-------------|-----|
| 1 | Extended Chain Carrier Bolt on End | 0810-17LE | 2 |
| 2 | M12 x 30 Coach Head Bolt | 0215-CH1230 | 8 |
| 3 | Washer Flat M12 | 0231-F12 | 8 |
| 4 | Nyloc Nut M12 | 0221-NYL12 | 8 |



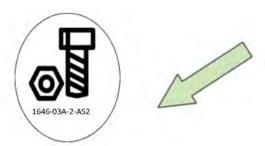


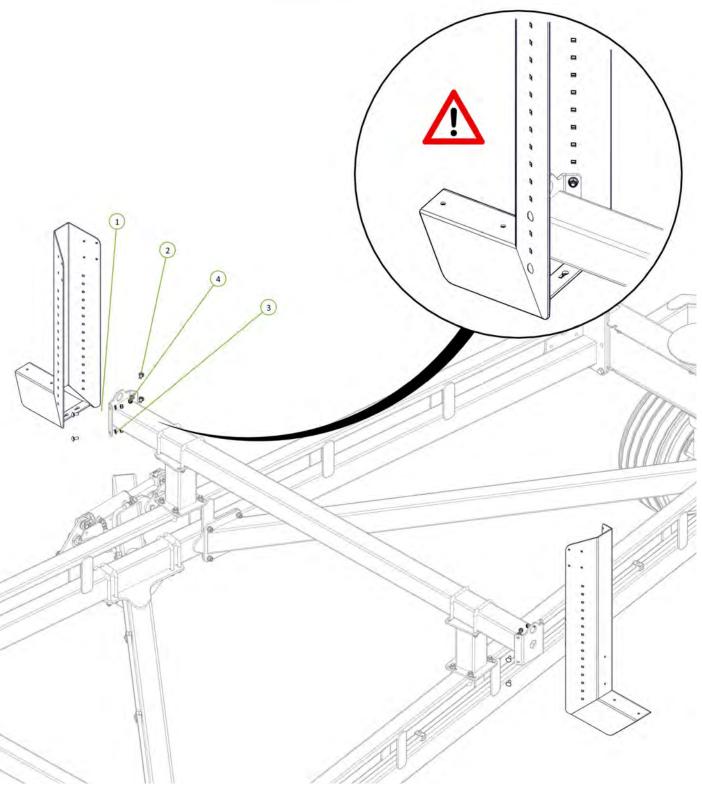
| Item No. | Description | Number | Qty |
|----------|----------------------------------|----------------|-----|
| 1 | 46' Chain Carrier Beam | 0810-17-45-46 | 1 |
| 2 | 300mm Chain Carrier Pedestal | 1510-43 | 2 |
| 3 | U-Bolt M16 x 104 Wide x 85 Deep | 0271-1610686U | 4 |
| 4 | U-Bolt M16 x 162 Deep x 129 Wide | 0271-16162129U | 4 |
| 5 | Washer Flat M16 | 0231-F16 | 16 |
| 6 | Nyloc Nut M16 | 0221-NYL16 | 16 |





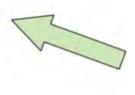
| Item No. | Description | Number | Qty |
|----------|------------------------------------|-------------|-----|
| 1 | Extended Chain Carrier Bolt on End | 0810-17LE | 2 |
| 2 | M12 x 30 Coach Head Bolt | 0215-CH1230 | 8 |
| 3 | Washer Flat M12 | 0231-F12 | 8 |
| 4 | Nyloc Nut M12 | 0221-NYL12 | 8 |

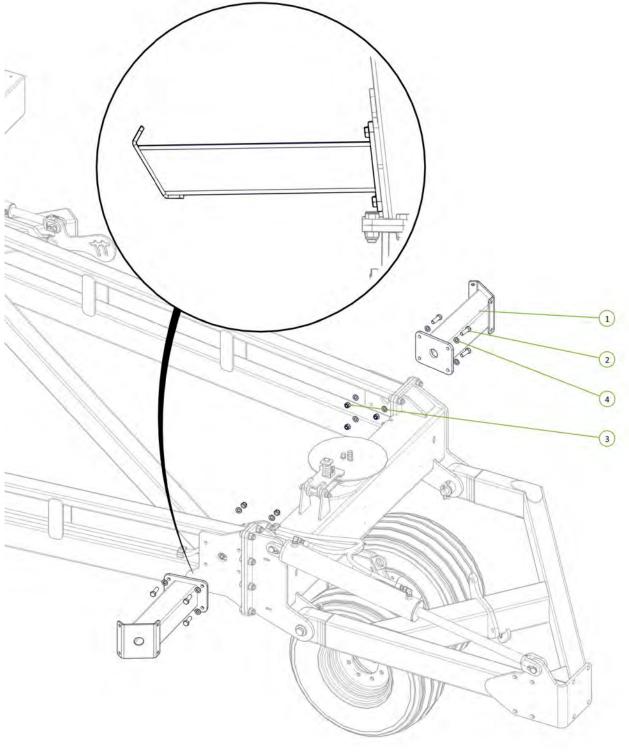


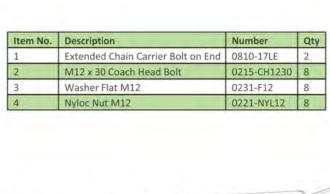




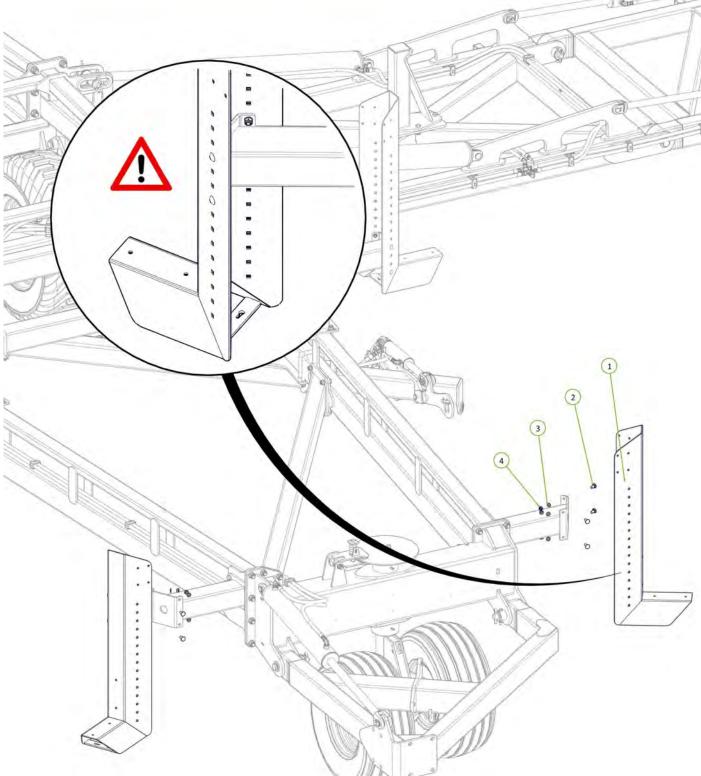




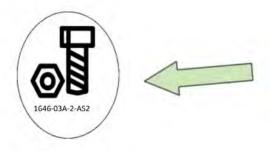


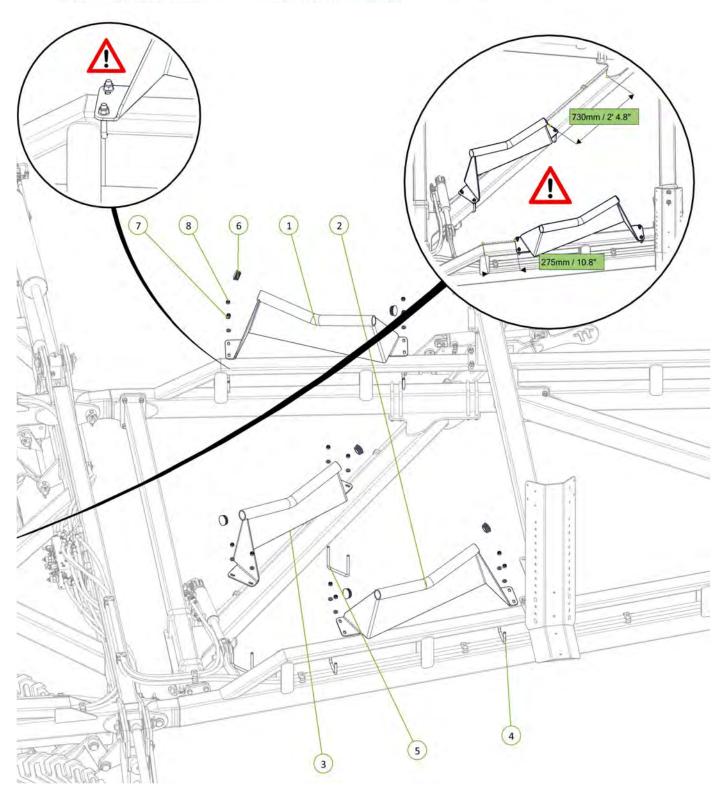




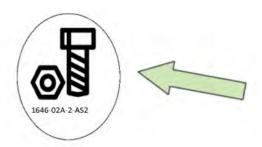


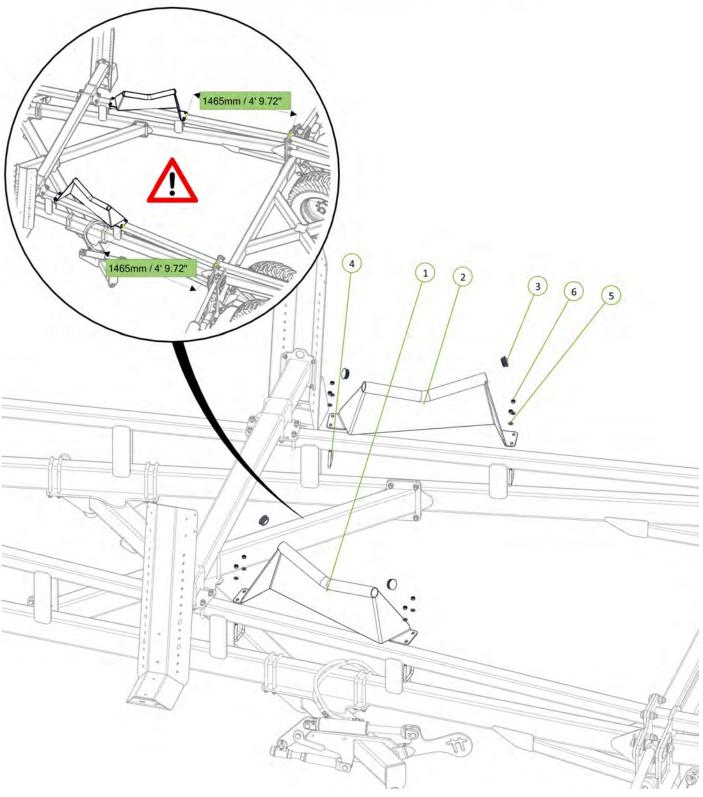
| Item No. | Description | Number | Qty |
|----------|----------------------------------|----------------|-----|
| 1 | Left Hand M | 0810-19L | 1 |
| 2 | Right Hand M | 0810-18R | 1 |
| 3 | Module M | 1610-189 | 1 |
| 4 | U-Bolt M12 x 106 Deep x 79 Wide | 0271-1210679U | 4 |
| 5 | U-Bolt M12 x 157 Deep x 129 Wide | 0271-12157129U | 2 |
| 6 | Round Tube Insert 60.3 x 3.2-5mm | 0264-RTRi-5584 | 6 |
| 7 | Washer Flat M12 | 0231-F12 | 12 |
| 8 | Nyloc Nut M12 | 0221-NYL12 | 12 |

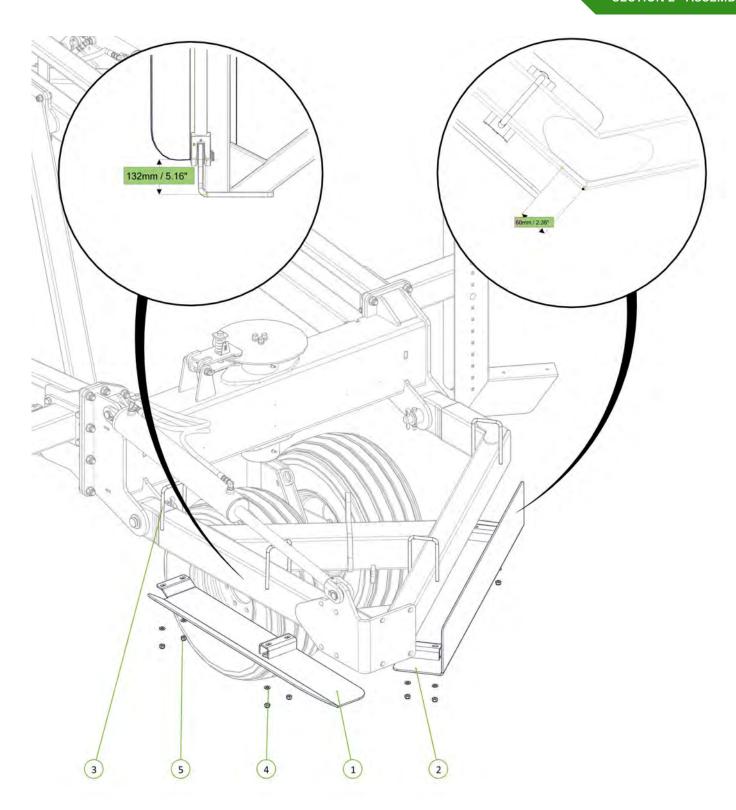




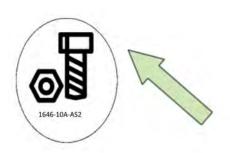
| Item No. | Description | Number | Qty |
|----------|----------------------------------|----------------|-----|
| 1 | Left Hand M | 0810-19L | 1 |
| 2 | Right Hand M | 0810-18R | 1 |
| 3 | Round Tube Insert 60.3 x 3.2-5mm | 0264-RTRi-5584 | 4 |
| 4 | U-Bolt M12 x 107 Deep x 106 Wide | 0271-12107106U | 4 |
| 5 | Washer Flat M12 | 0231-F12 | 8 |
| 6 | Nyloc Nut M12 | 0221-NYL12 | 8 |

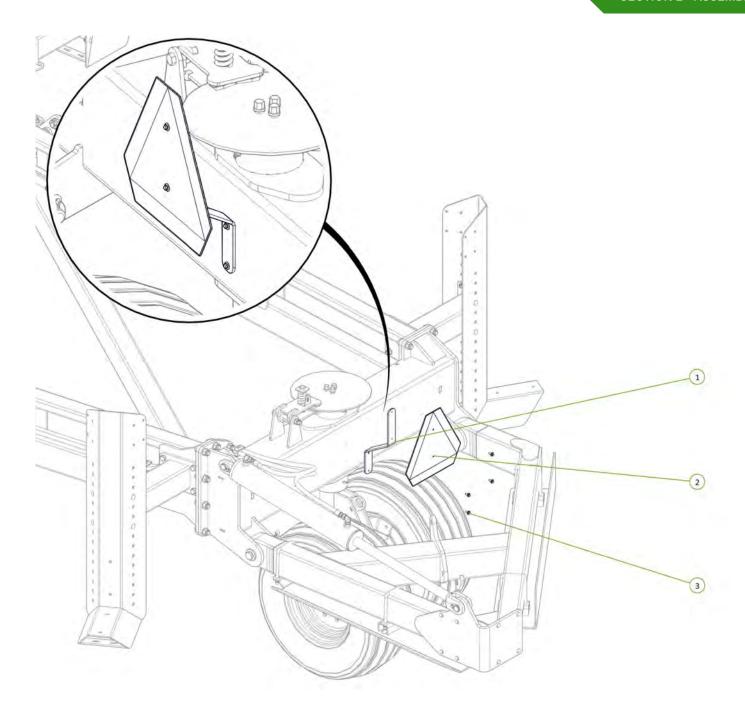




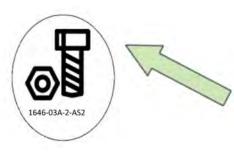


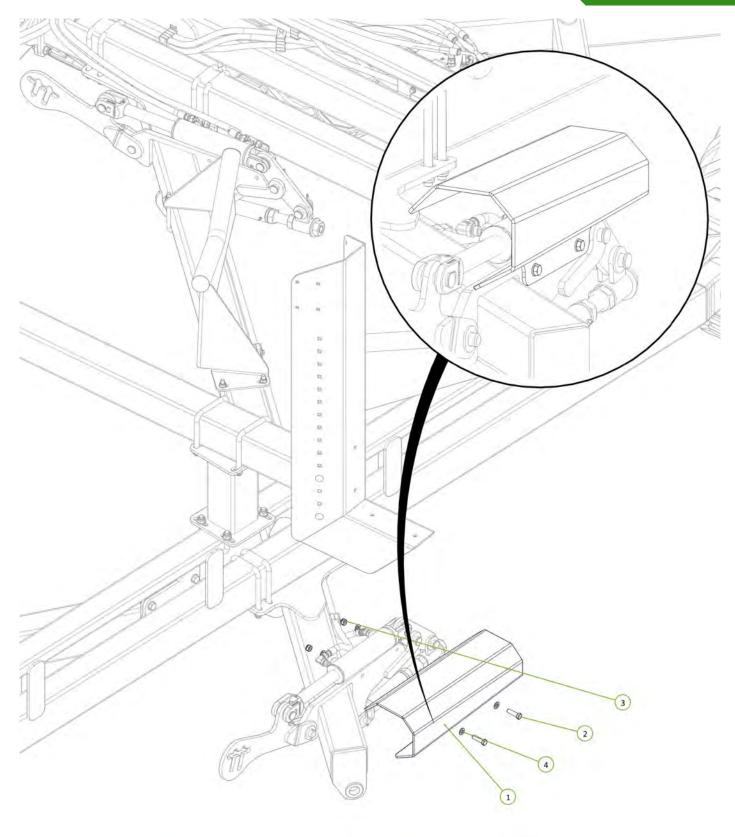
| Item No. | Description | Number | Qty |
|----------|----------------------------------|----------------|-----|
| 1 | Rear Guard 12m | 1510-229 | 1 |
| 2 | Rear Tail Guard | 1610-188 | 1 |
| 3 | U-Bolt M12 x 188 Deep x 106 Wide | 0271-12188106U | 4 |
| 4 | Washer Flat M12 | 0231-F12 | 8 |
| 5 | Nyloc Nut M12 | 0221-NYL12 | 8 |





| Item No. | Description | Number | Qty |
|----------|--------------------------|-----------------|-----|
| 1 | SMV Sign Bracket | 0800-195.1 | 1 |
| 2 | Slow Moving Vehical Sign | 0801-FBSMVTUF | 1 |
| 3 | M6 x 20mm Trilobe Screw | 0211-M620MZPHTF | 4 |

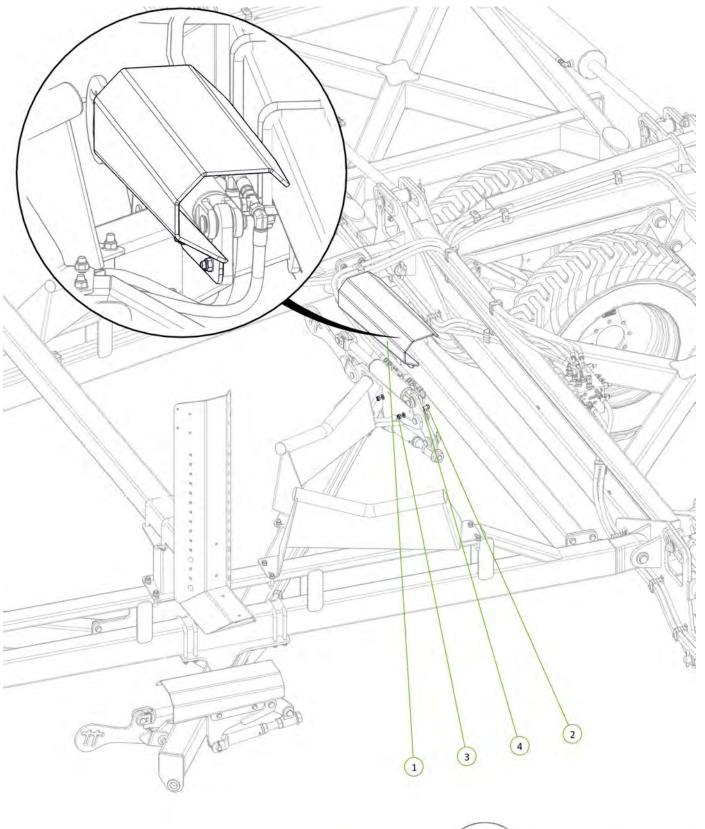




| Item No. | Description | Number | Qty |
|----------|----------------------------|------------|-----|
| 1 | Module Cylinder Guard | 0800-167.3 | 1 |
| 2 | M12 x 45 grade 8.8 ZP Bolt | 0211-1245 | 2 |
| 3 | Nyloc Nut M12 | 0221-NYL12 | 2 |
| 4 | Washer Flat M12 | 0231-F12 | 4 |

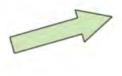




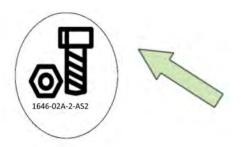


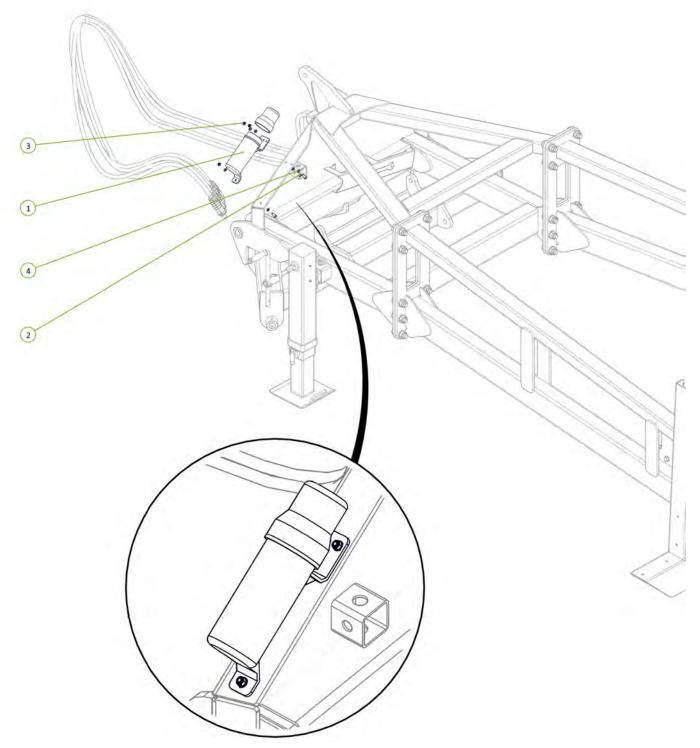
| Item No. | Description | Number | Qty |
|----------|----------------------------|------------|-----|
| 1 | Module Cylinder Guard | 0800-167.3 | 1 |
| 2 | M12 x 45 grade 8.8 ZP Bolt | 0211-1245 | 2 |
| 3 | Nyloc Nut M12 | 0221-NYL12 | 2 |
| 4 | Washer Flat M12 | 0231-F12 | 4 |



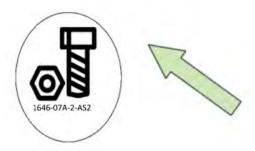


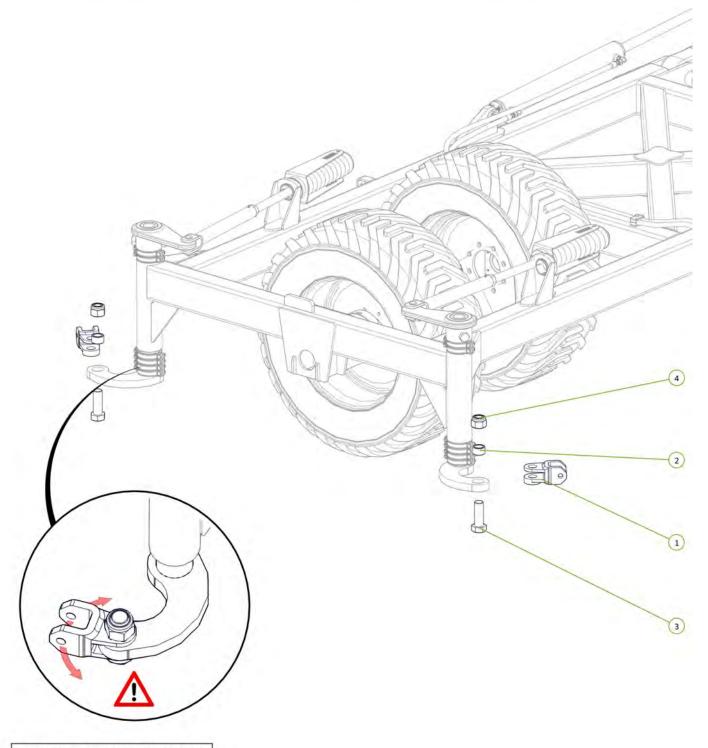
| Item No. | Description | Number | Qty |
|----------|---------------------------|------------|-----|
| 1 | Operator Manual Cannister | 0801-OMC-1 | 1 |
| 2 | M8 x 25 grade 8.8 ZP Bolt | 0211-825 | 3 |
| 3 | Nyloc Nut M8 | 0221-NYL8 | 3 |
| 4 | Washer Flat M8 | 0231-F8 | 6 |





| Item No. | Description | Number | Qty |
|----------|------------------------------|----------------|-----|
| 1 | Forged Clevis 21mm Bolt Hole | 0801-FC21 | 2 |
| 2 | Stainless Steel Wear Bush | 1501-365033-SS | 2 |
| 3 | M36 x 105 grade 8.8 zp Bolt | 0211-36105 | 2 |
| 4 | Nyloc Nut M36 | 0221-NYL36 | 2 |

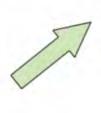


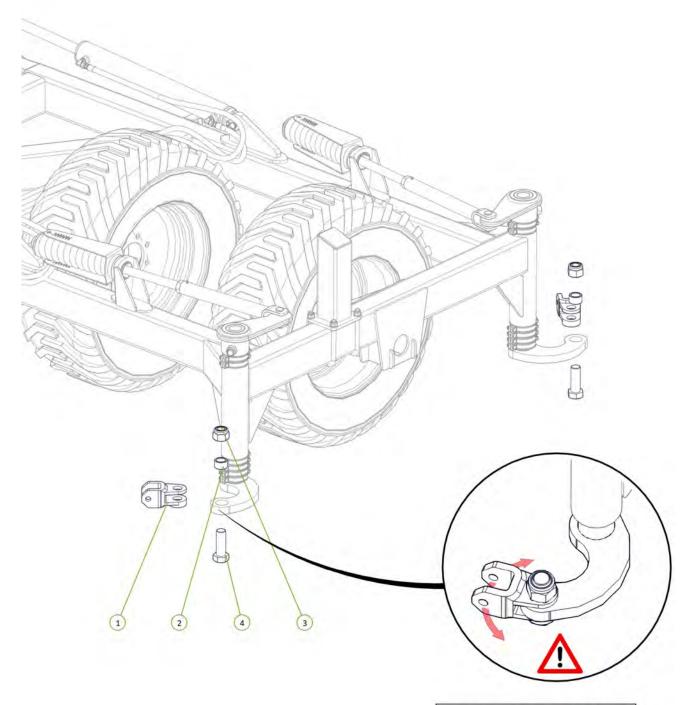


Ensure the clevis can pivot after installation

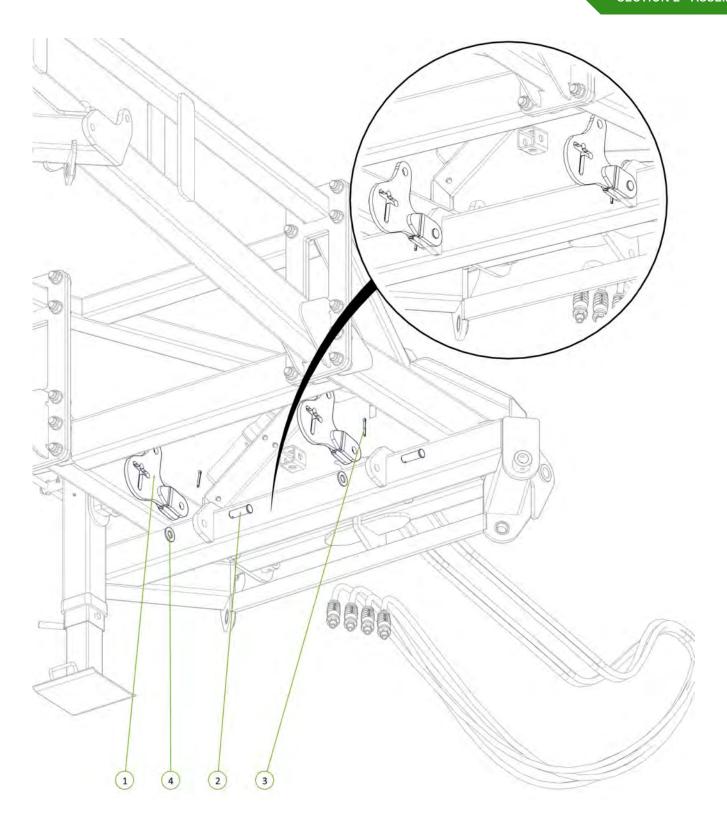
| Item No. | Description | Number | Qty |
|----------|------------------------------|----------------|-----|
| 1 | Forged Clevis 21mm Bolt Hole | 0801-FC21 | 2 |
| 2 | Stainless Steel Wear Bush | 1501-365033-SS | 2 |
| 3 | Nyloc Nut M36 | 0221-NYL36 | 2 |
| 4 | M36 x 105 grade 8.8 zp Bolt | 0211-36105 | 2 |







Ensure the clevis can pivot after installation

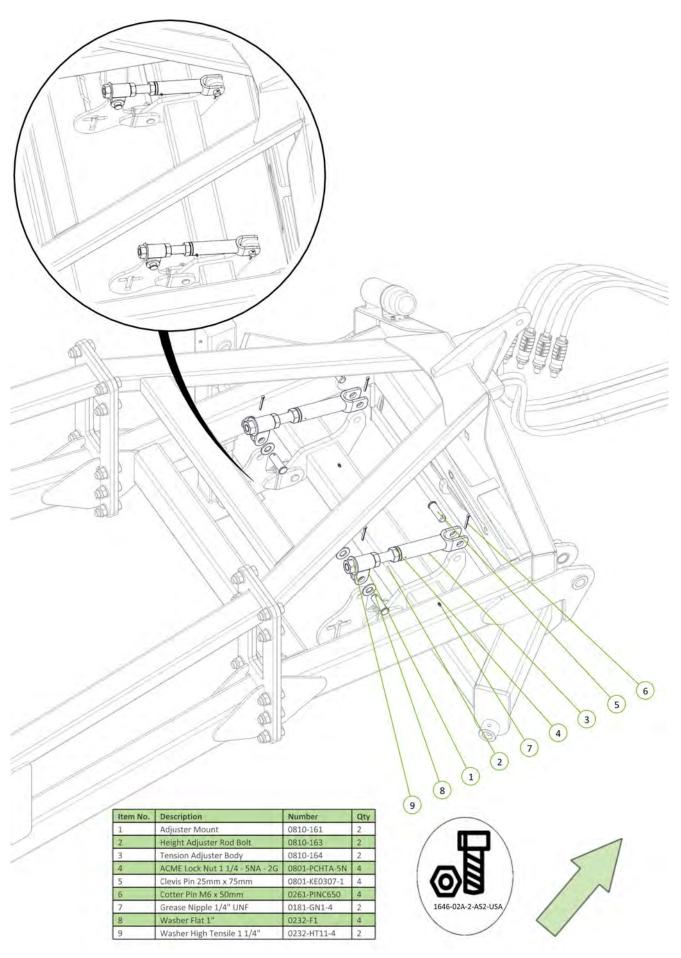


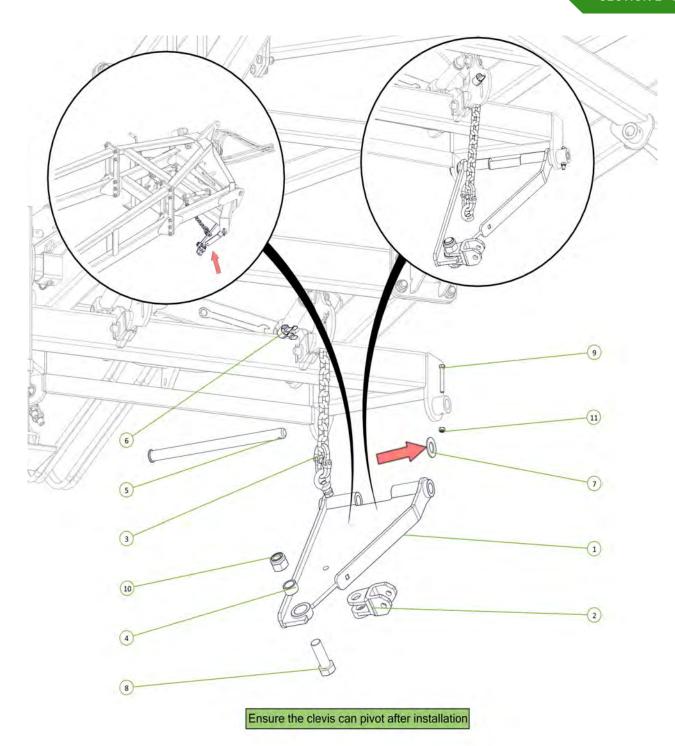
| Item No. | Description | Number | Qty |
|----------|-------------------------|---------------|-----|
| 1 | Short Lift Arm Assembly | 0810-167 | 2 |
| 2 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 2 |
| 3 | Cotter Pin M6 x 50mm | 0261-PINC650 | 2 |
| 4 | Washer Flat 1" | 0232-F1 | 2 |





106

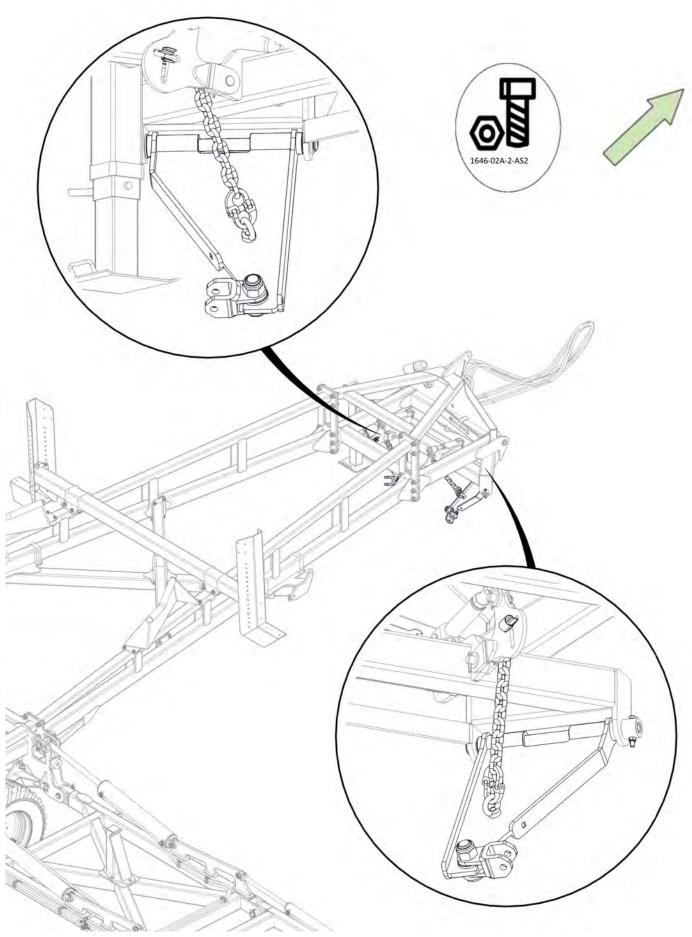




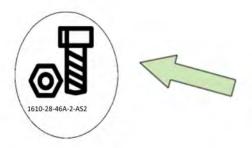
| Item No. | Description | Number | Qty |
|----------|---|----------------|-----|
| 1 | Standard Chain Mount Plate | 1610-20 | 1 |
| 2 | Forged Clevis 21mm Bolt Hole | 0801-FC21 | 1 |
| 3 | Height Adjusting Chain Assembly 13 Link | 0801-20MCA | 1 |
| 4 | Stainless Steel Wear Bush | 1501-365033-SS | 1 |
| 5 | Chain Mount Pivot Pin | 0801-10-51 | 1 |
| 6 | Height Adjustor Retaining Clip | 0801-KE014 | 1 |
| 7 | Washer High Tensile 1 3/8" | 0232-HT13-8 | 1 |
| 8 | M36 x 105 grade 8.8 zp Bolt | 0211-36105 | 1 |
| 9 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 1 |
| 10 | Nyloc Nut M36 | 0221-NYL36 | 1 |
| 11 | Nyloc Nut M12 | 0221-NYL12 | 1 |

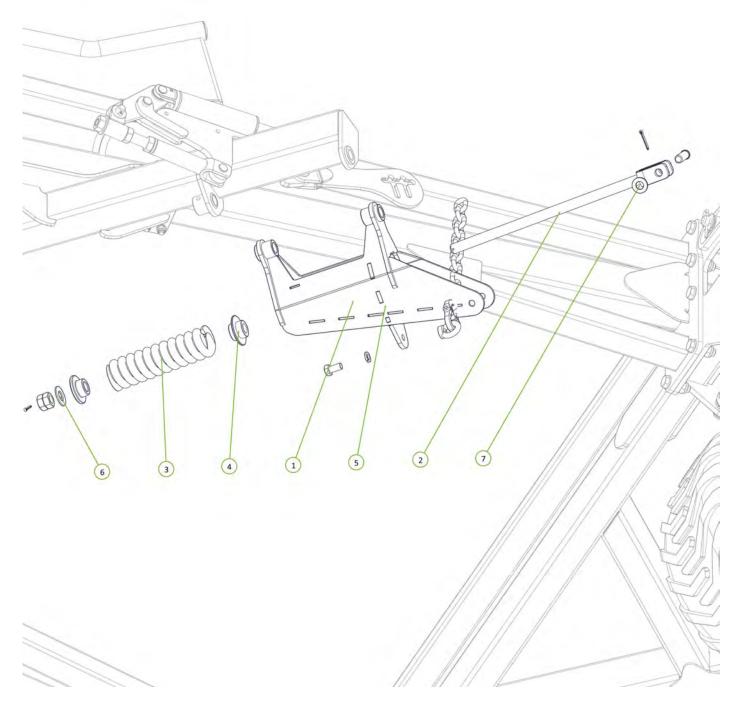




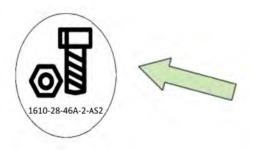


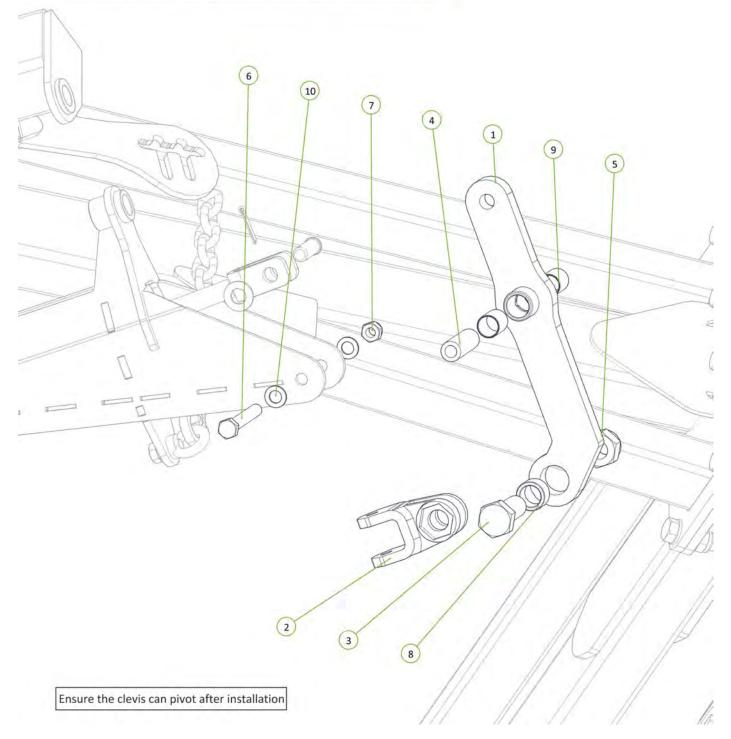
| Item No. | Description | Number | Qty |
|----------|---|---------------|-----|
| 1 | Tension Box | 0810-57 | 1 |
| 2 | Module Tension Rod Assembly | 0810-105A | 1 |
| 3 | Heavy Duty Coil Spring 24mm | 0801-K2455350 | 1 |
| 4 | Rigid Spring Locator | 0801-10-S2L | 1 |
| 5 | Height Adjusting Chain Assembly 13 Link | 0801-20MCA | 1 |
| 6 | Washer High Tensile 1 1/4" | 0232-HT11-4 | 1 |
| 7 | Washer Flat 1" | 0232-F1 | 1 |



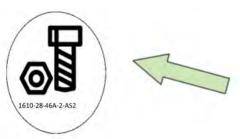


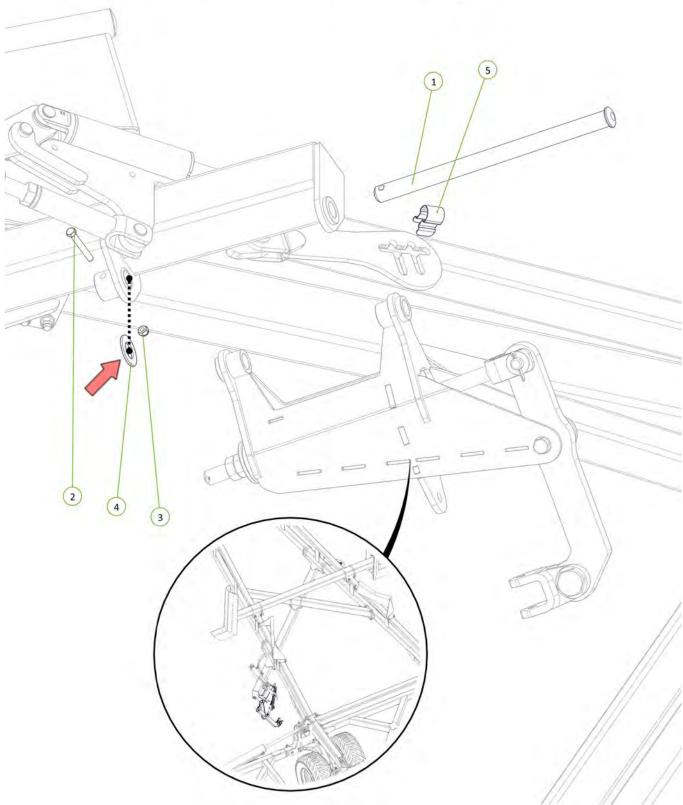
| Item No. | Description | Number | Qty |
|----------|------------------------------|----------------|-----|
| 1 | Module Tension Arm No Clevis | 0810-104 | 1 |
| 2 | Forged Clevis 21mm Bolt Hole | 0801-FC21 | 1 |
| 3 | M36 x 105 Class 8.8 ZP Bolt | 0211-36105 | 1 |
| 4 | Module Pivot Arm Bush | 0801-10-110 | 1 |
| 5 | Nyloc Nut M36 | 0221-NYL36 | 1 |
| 6 | M20 x 160 Grade 8.8 ZP Bolt | 0211-20160 | 1 |
| 7 | Nyloc Nut M20 | 0221-NYL20 | 1 |
| 8 | Wear Bush | 1501-365033-SS | 1 |
| 9 | 35 ID x 50mm DU Bush | 0113-MB3550DU | 2 |
| 10 | Washer Flat M20 | 0231-F20 | 2 |





| Item No. | Description | Number | Qty |
|----------|--------------------------------|-------------|-----|
| 1 | Chain Mount Pivot Pin | 0801-10-51 | 1 |
| 2 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 1 |
| 3 | Nyloc Nut M12 | 0221-NYL12 | 1 |
| 4 | Washer High Tensile 1 3/8" | 0232-HT13-8 | 1 |
| 5 | Height Adjustor Retaining Clip | 0801-KE014 | 1 |

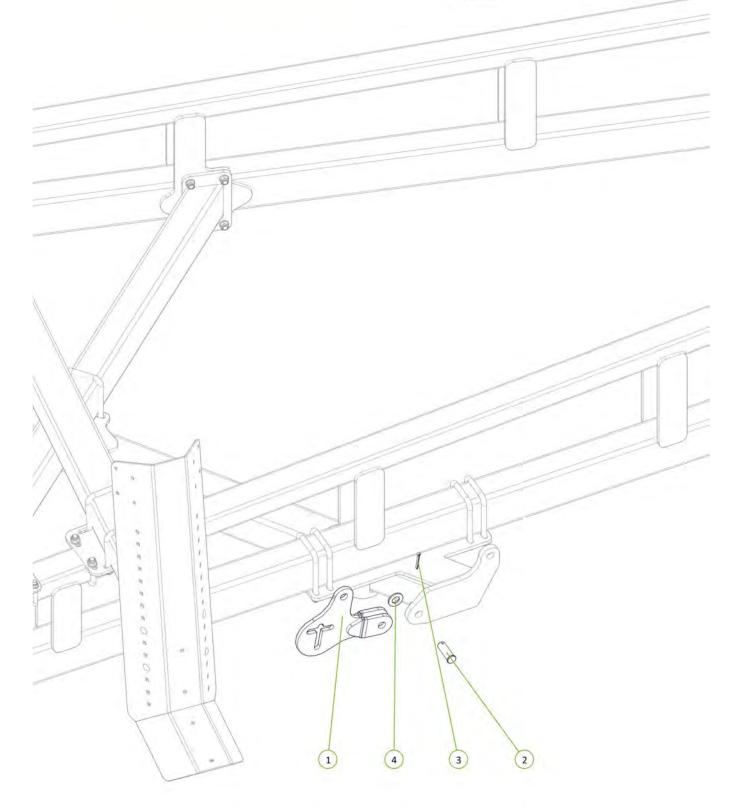


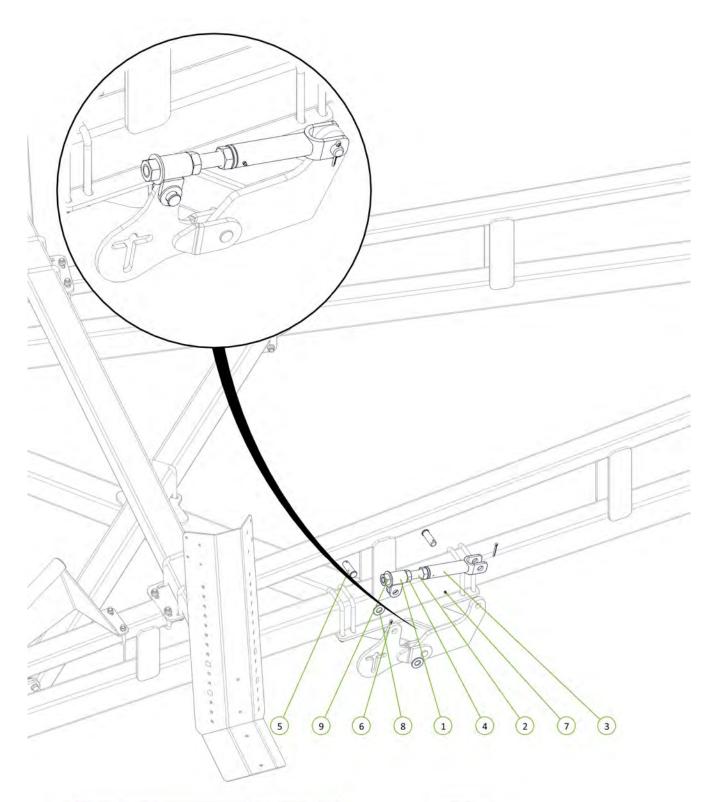


| Item No. | Description | Number | Qty |
|----------|-------------------------|---------------|-----|
| 1 | Short Lift Arm Assembly | 0810-167 | 1 |
| 2 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 1 |
| 3 | Cotter Pin M6 x 50mm | 0261-PINC650 | 1 |
| 4 | Washer Flat 1" | 0232-F1 | 1 |



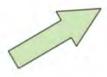


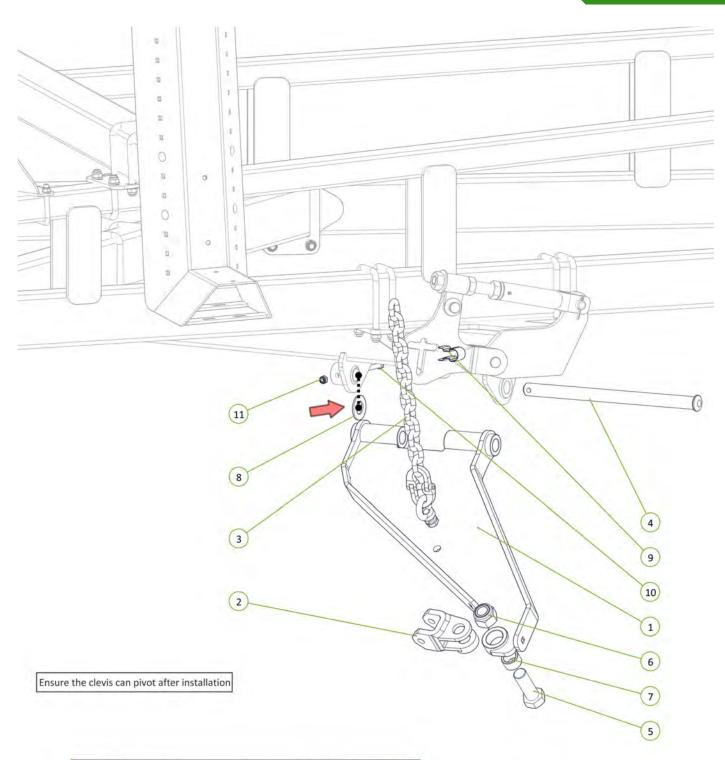




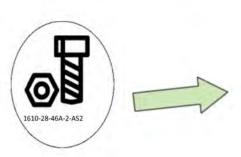
| Item No. | Description | Number | Qty |
|----------|--------------------------------|---------------|-----|
| 1 | Adjuster Mount | 0810-161 | 1 |
| 2 | Height Adjuster Rod Bolt | 0810-163 | 1 |
| 3 | Tension Adjuster Body | 0810-164 | 1 |
| 4 | ACME Lock Nut 1 1/4 - 5NA - 2G | 0801-PCHTA-5N | 2 |
| 5 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 2 |
| 6 | Cotter Pin M6 x 50mm | 0261-PINC650 | 2 |
| 7 | Grease Nipple 1/4" UNF | 0181-GN1-4 | 1 |
| 8 | Washer Flat 1" | 0232-F1 | 2 |
| 9 | Washer High Tensile 1 1/4" | 0232-HT11-4 | 1 |

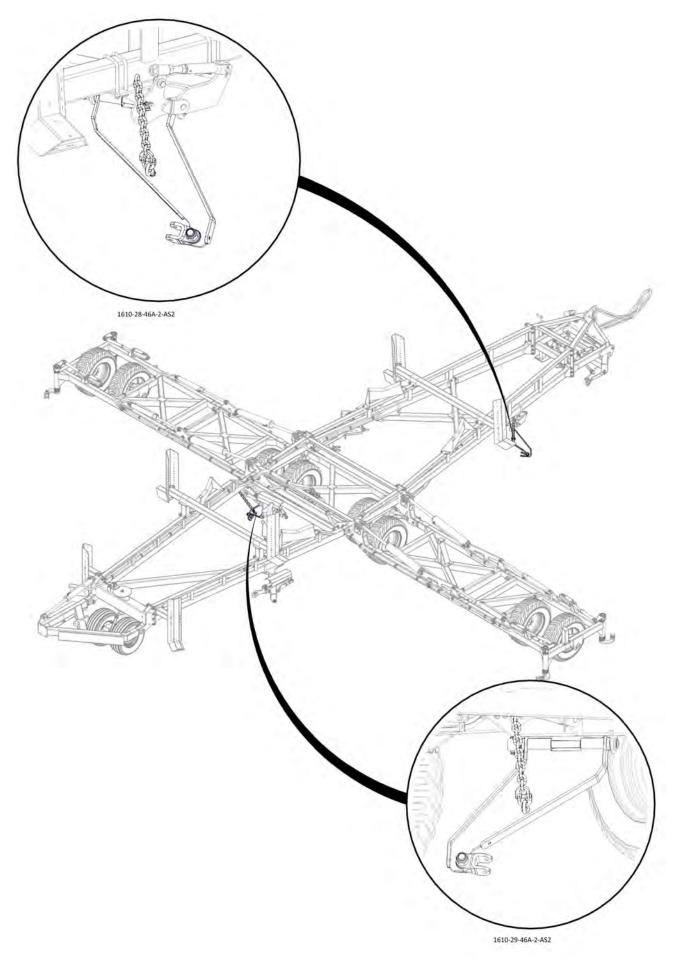


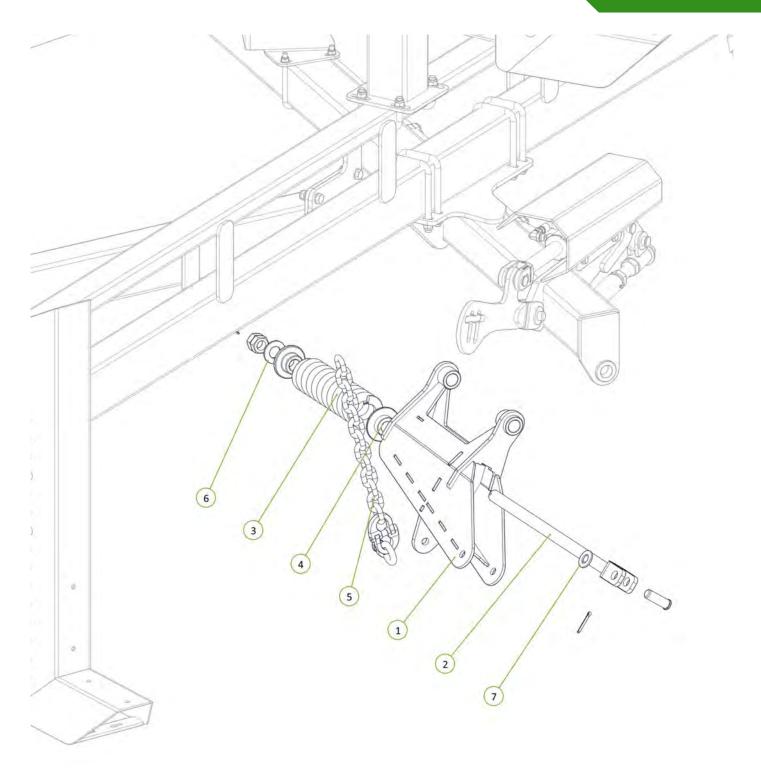




| Item No. | Description | Number | Qty |
|----------|---|----------------|-----|
| 1 | Extended Chain Mount Plate | 1610-21 | 1 |
| 2 | Forged Clevis 21mm Bolt Hole | 0801-FC21 | 1 |
| 3 | Height Adjusting Chain Assembly 13 Link | 0801-20MCA | 1 |
| 4 | Chain Mount Pivot Pin | 0801-10-51 | 1 |
| 5 | M36 x 105 Class 8.8 ZP Bolt | 0211-36105 | 1 |
| 6 | Nyloc Nut M36 | 0221-NYL36 | 1 |
| 7 | Wear Bush | 1501-365033-SS | 1 |
| 8 | Washer High Tensile 1 3/8" | 0232-HT13-8 | 1 |
| 9 | Height Adjustor Retaining Clip | 0801-KE014 | 1 |
| 10 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 1 |
| 11 | Nyloc Nut M12 | 0221-NYL12 | 1 |



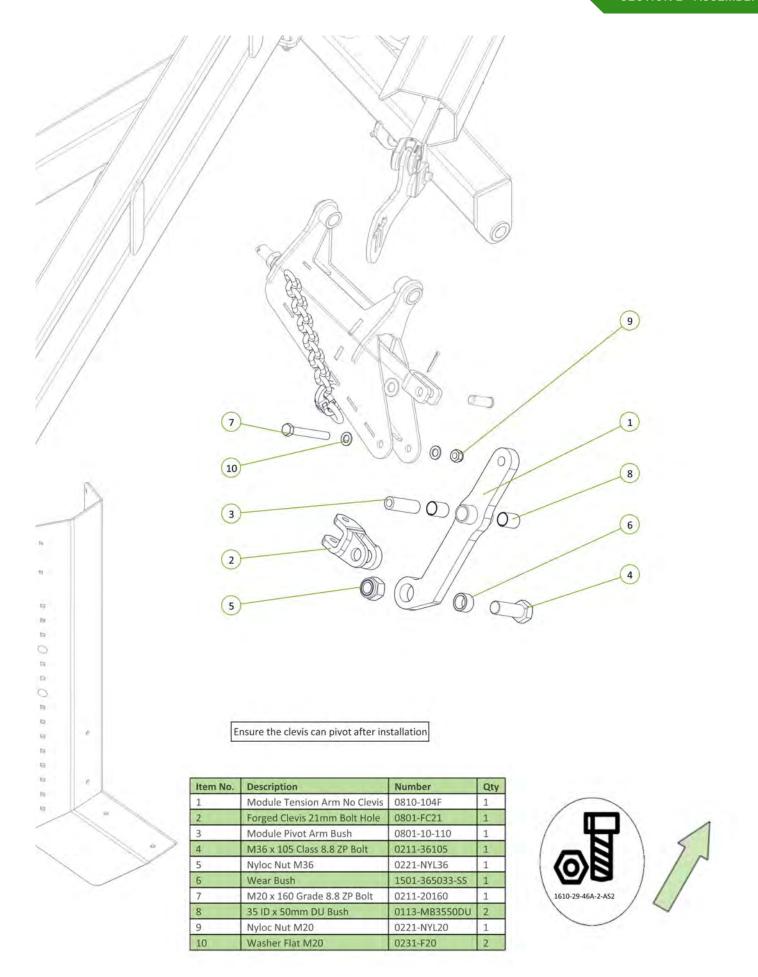


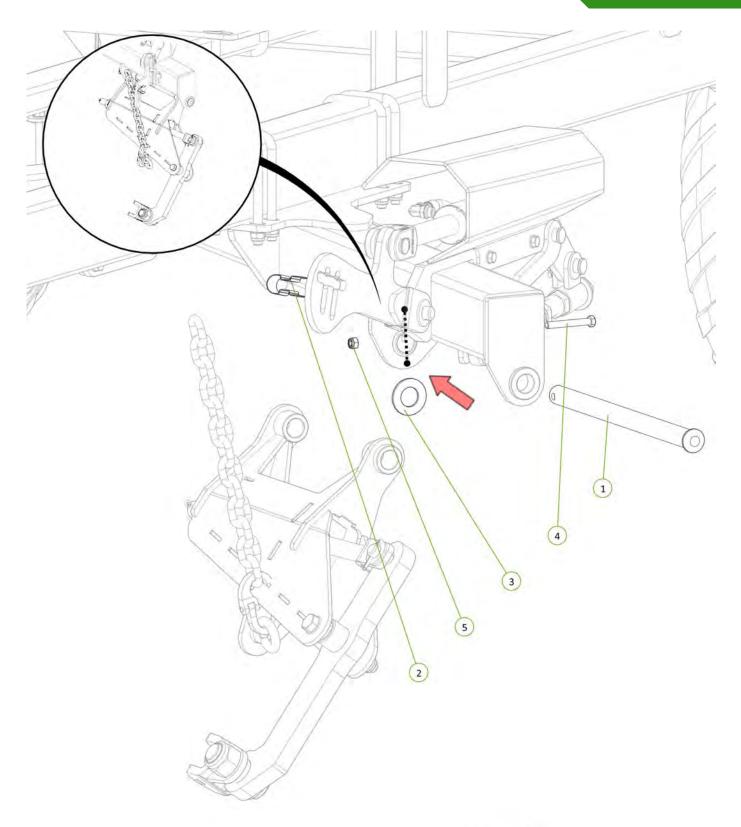


| Item No. | Description | Number | Qty |
|----------|---|---------------|-----|
| 1 | Tension Box | 0810-57 | 1 |
| 2 | Module Tension Rod Assembly | 0810-105A | 1 |
| 3 | Heavy Duty Coil Spring 24mm | 0801-K2455350 | 1 |
| 4 | Rigid Spring Locator | 0801-10-S2L | 1 |
| 5 | Height Adjusting Chain Assembly 13 Link | 0801-20MCA | 1 |
| 6 | Washer High Tensile 1 1/4" | 0232-HT11-4 | 1 |
| 7 | Washer Flat 1" | 0232-F1 | 1 |



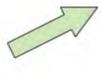


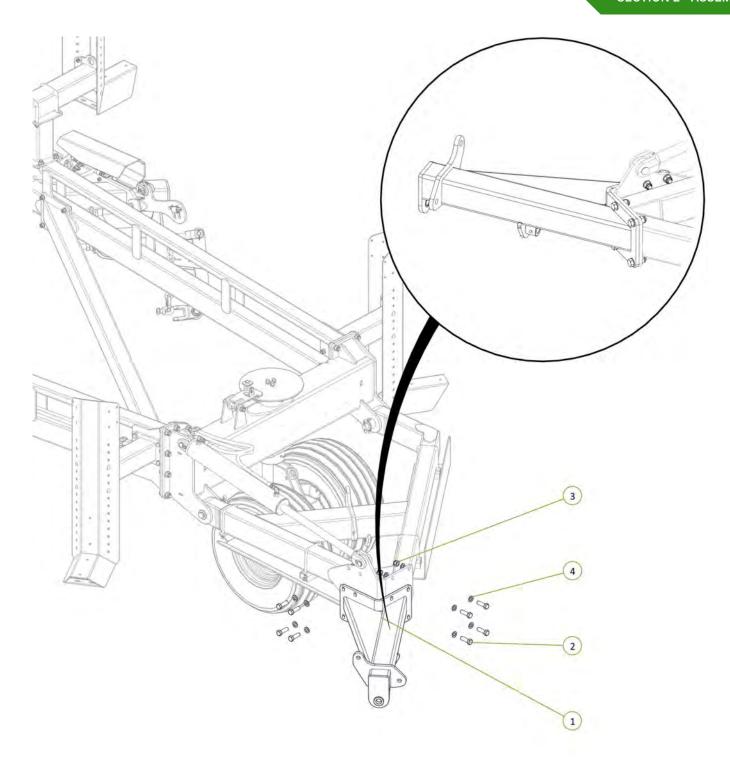




| Item No. | Description | Number | Qty |
|----------|--------------------------------|-------------|-----|
| 1 | Chain Mount Pivot Pin | 0801-10-51 | 1 |
| 2 | Height Adjustor Retaining Clip | 0801-KE014 | 1 |
| 3 | Washer High Tensile 1 3/8" | 0232-HT13-8 | 1 |
| 4. | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 1 |
| 5 | Nyloc Nut M12 | 0221-NYL12 | 1 |

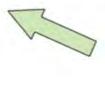


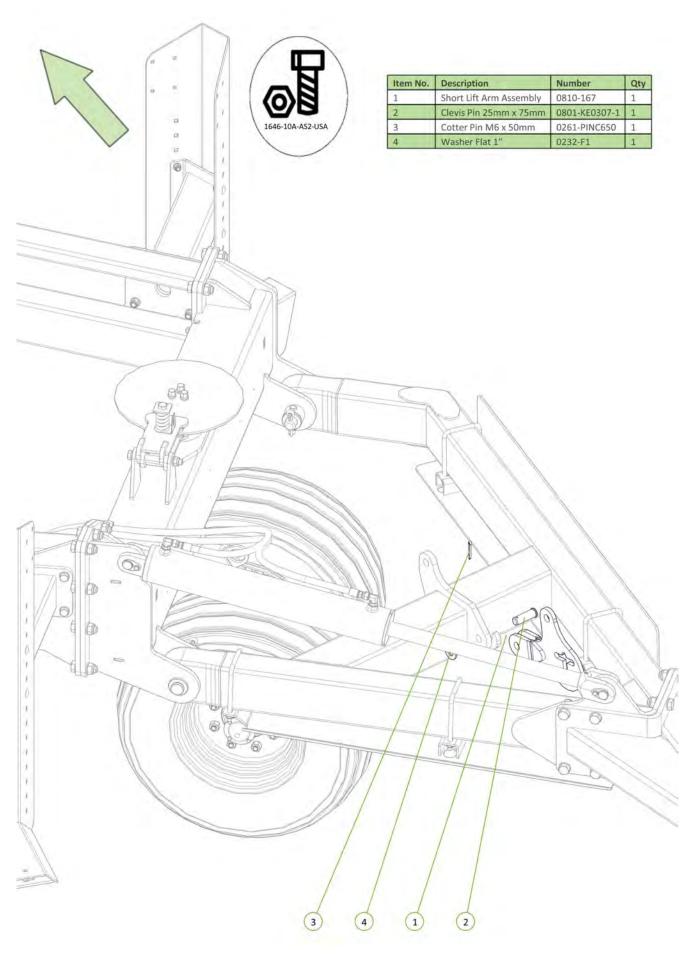




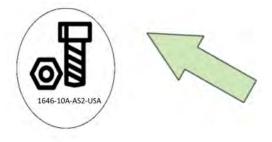
| Item No. | Description | Number | Qty |
|----------|----------------------------|-------------|-----|
| 1 | Tail Extension | 1510-40ST-2 | 1 |
| 2 | M20 x 65 Grade 8.8 ZP Bolt | 0211-2065 | 8 |
| 3 | Nyloc Nut M20 | 0221-NYL20 | 8 |
| 4 | Washer Flat M20 | 0231-F20 | 16 |

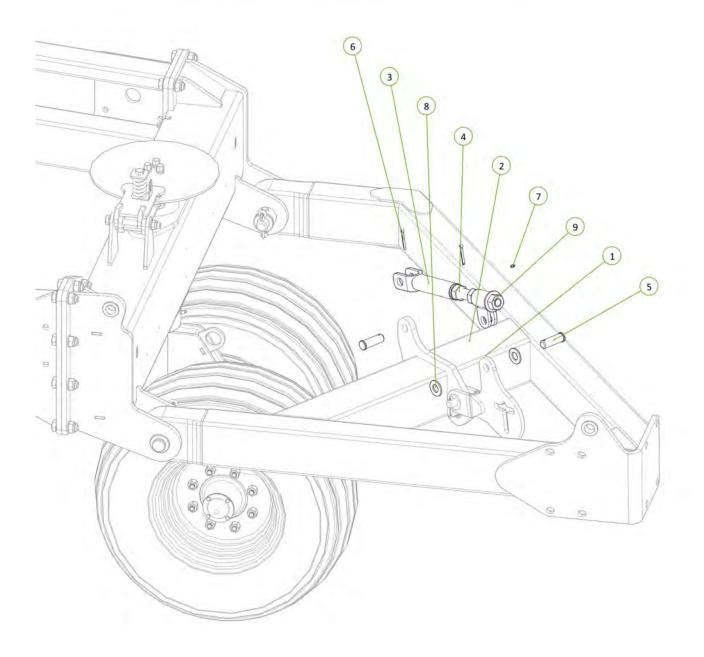


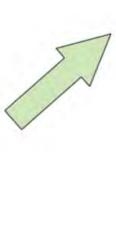




| Item No. | Description | Number | Qty |
|----------|--------------------------------|---------------|-----|
| 1 | Adjuster Mount | 0810-161 | 1 |
| 2 | Height Adjuster Rod Bolt | 0810-163 | 1 |
| 3 | Tension Adjuster Body | 0810-164 | 1 |
| 4 | ACME Lock Nut 1 1/4 - 5NA - 2G | 0801-PCHTA-5N | 2 |
| 5 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 2 |
| 6 | Cotter Pin M6 x 50mm | 0261-PINC650 | 2 |
| 7 | Grease Nipple 1/4" UNF | 0181-GN1-4 | 1 |
| 8 | Washer Flat 1" | 0232-F1 | 2 |
| 9 | Washer High Tensile 1 1/4" | 0232-HT11-4 | 1 |

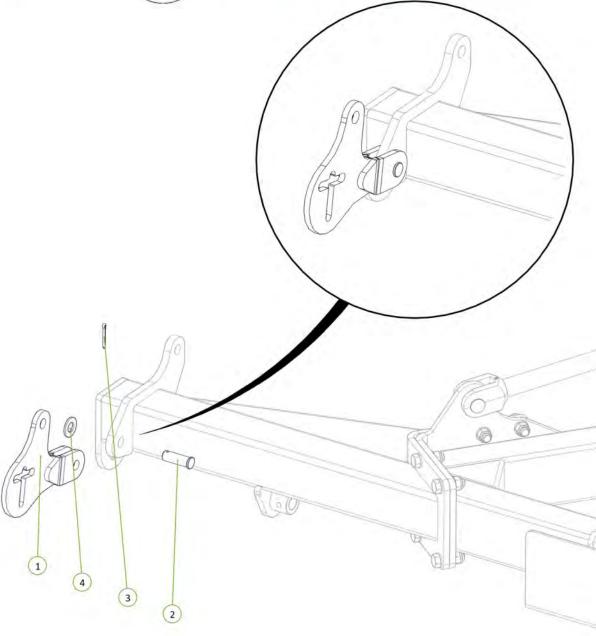


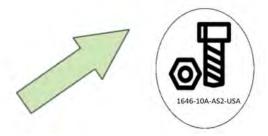




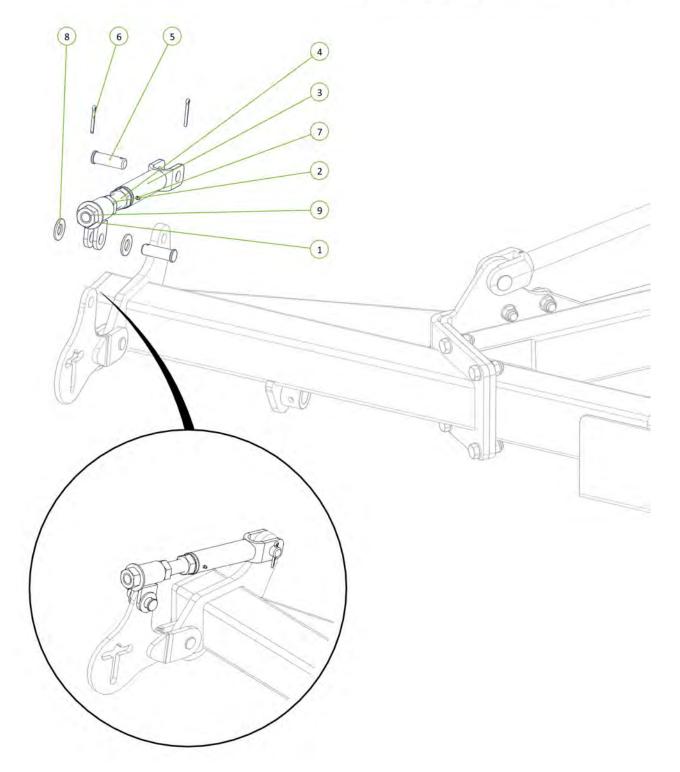


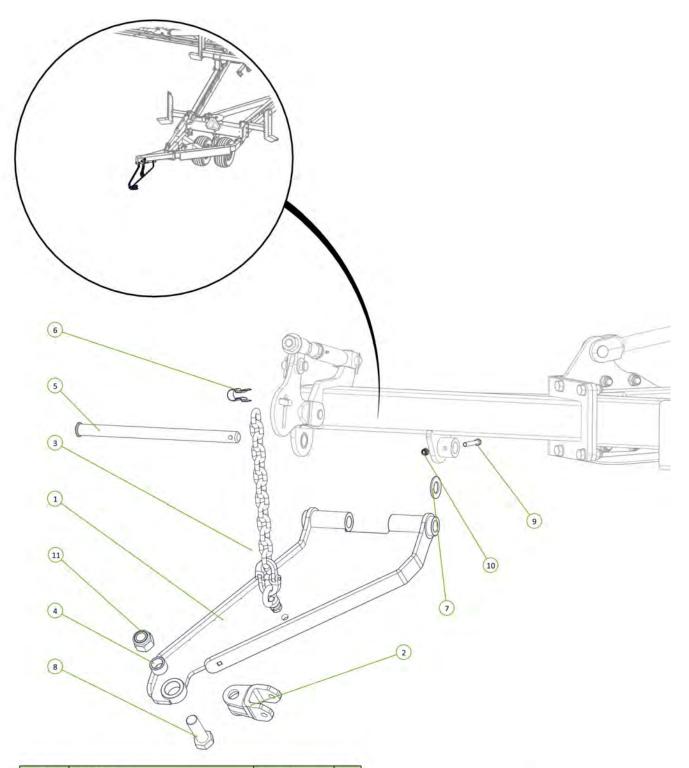
| Item No. | Description | Number | Qty |
|----------|-------------------------|---------------|-----|
| 1 | Short Lift Arm Assembly | 0810-167 | 1 |
| 2 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 1 |
| 3 | Cotter Pín M6 x 50mm | 0261-PINC650 | 1 |
| 4 | Washer Flat 1" | 0232-F1 | 1 |





| Item No. | Description | Number | Qty |
|----------|--------------------------------|---------------|-----|
| 1 | Adjuster Mount | 0810-161 | 1 |
| 2 | Height Adjuster Rod Bolt | 0810-163 | 1 |
| 3 | Tension Adjuster Body | 0810-164 | 1 |
| 4 | ACME Lock Nut 1 1/4 - 5NA - 2G | 0801-PCHTA-5N | 2 |
| 5 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 2 |
| 6 | Cotter Pin M6 x 50mm | 0261-PINC650 | 2 |
| 7 | Grease Nipple 1/4" UNF | 0181-GN1-4 | 1 |
| 8 | Washer Flat 1" | 0232-F1 | 2 |
| 9 | Washer High Tensile 1 1/4" | 0232-HT11-4 | 1 |

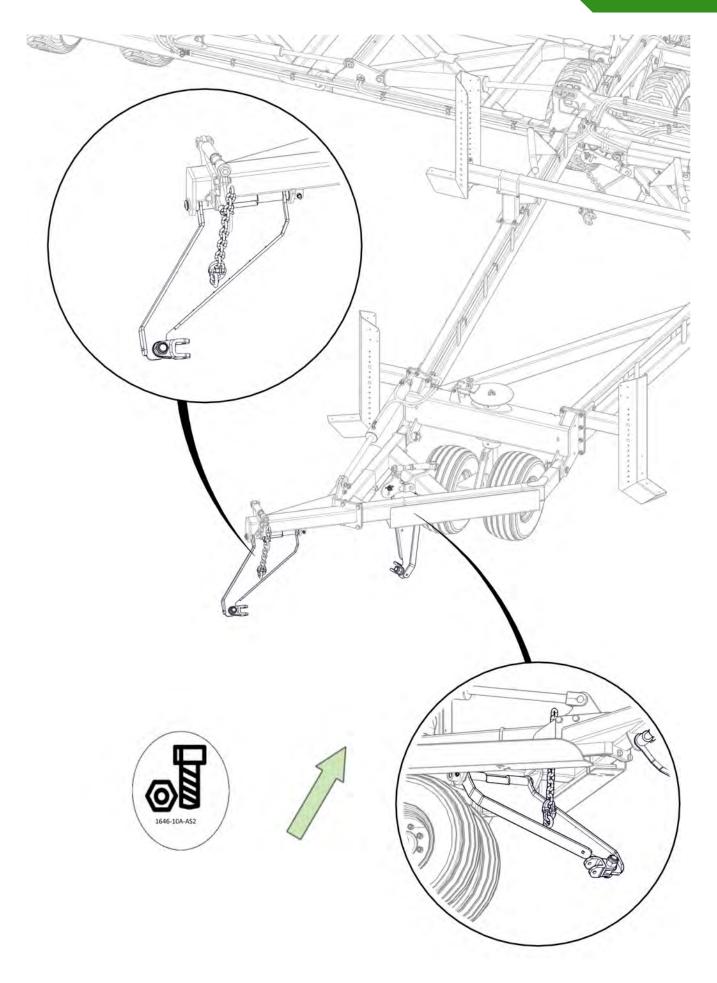




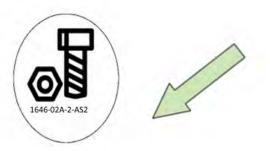
| Item No. | Description | Number | Qty |
|----------|---|----------------|-----|
| 1 | Extended Chain Mount Plate | 1610-21 | 1 |
| 2 | Forged Clevis 21mm Bolt Hole | 0801-FC21 | 1 |
| 3 | Height Adjusting Chain Assembly 13 Link | 0801-20MCA | 1 |
| 4 | Stainless Steel Wear Bush | 1501-365033-SS | 1 |
| 5 | Chain Mount Pivot Pin | 0801-10-51 | 1 |
| 6 | Height Adjustor Retaining Clip | 0801-KE014 | 1 |
| 7 | Washer High Tensîle 1 3/8" | 0232-HT13-8 | 1 |
| 8 | M36 x 105 grade 8.8 zp Bolt | 0211-36105 | 1 |
| 9 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 1 |
| 10 | Nyloc Nut M12 | 0221-NYL12 | 1 |
| 11 | Nyloc Nut M36 | 0221-NYL36 | 1 |

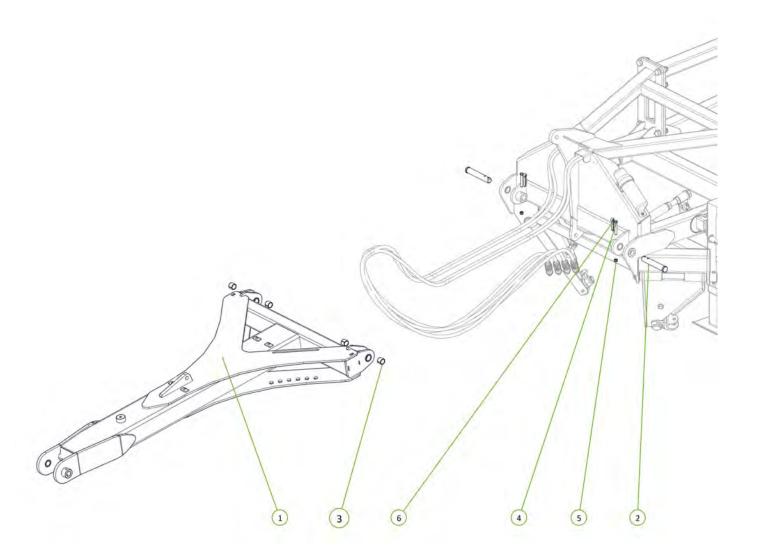


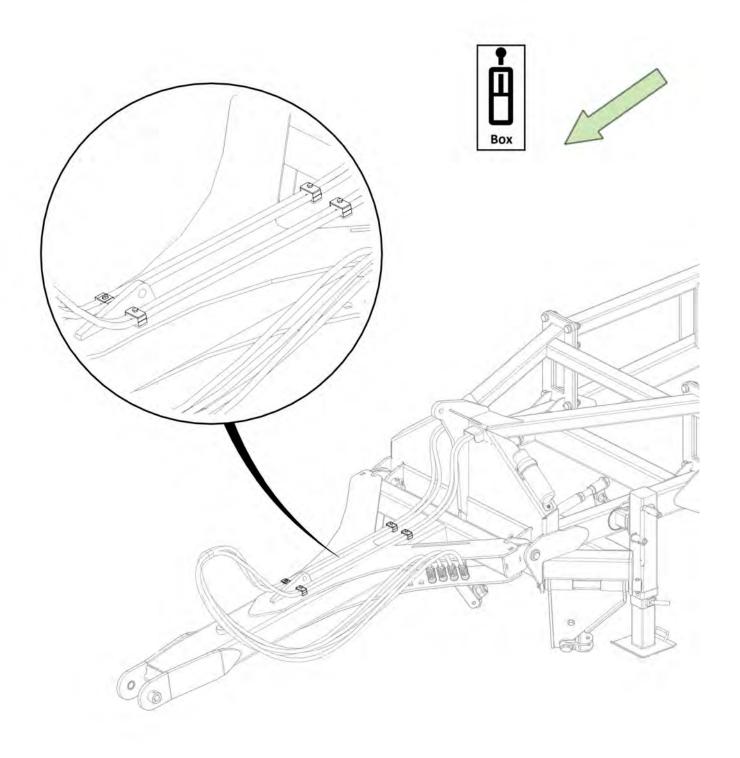




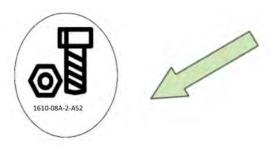
| Item No. | Description | Number | Qty |
|----------|----------------------------|----------------|-----|
| 1 | Drawbar | 1610-08 | 1 |
| 2 | PCH Wing Pivot Pin | 0801-10-08-235 | 2 |
| 3 | 35 ID x 30mm DU Bush | 0113-MB3530DU | 4 |
| 4 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 2 |
| 5 | Nyloc Nut M12 | 0221-NYL12 | 2 |
| 6 | Cotter Pin M13 x 63 | 0261-PINC1363 | 2 |

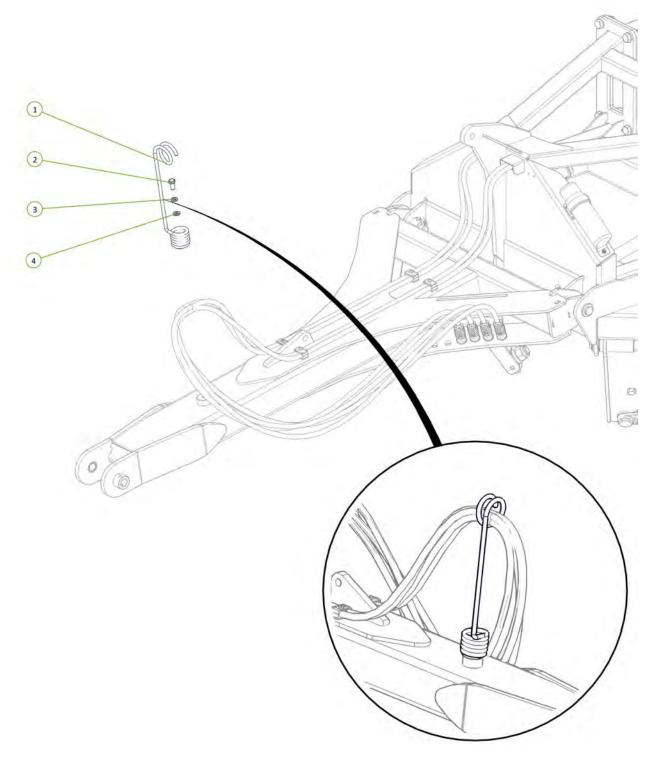




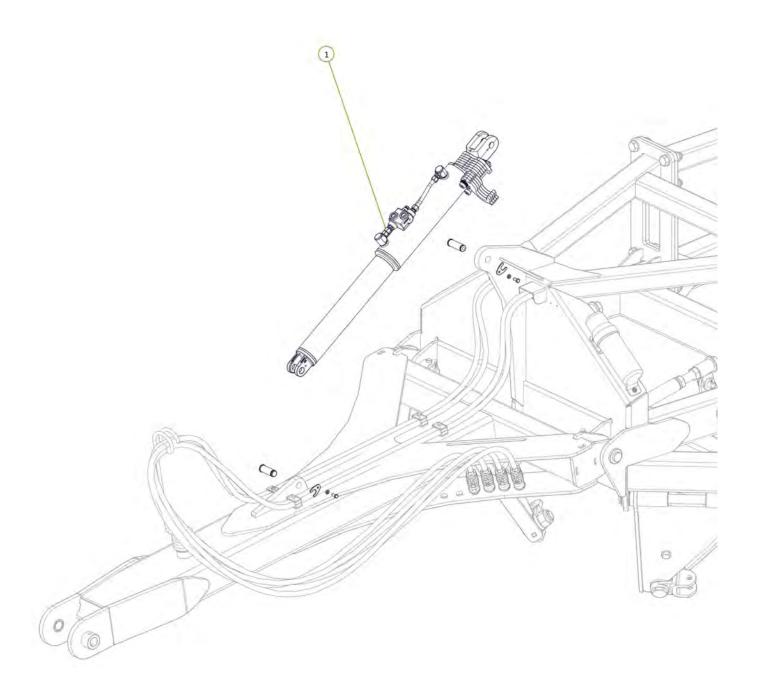


| Item No. | Description | Number | Qty |
|----------|----------------------------|------------------|-----|
| 1 | Hose Post Spring | 1601-CDB-00-0012 | 1 |
| 2 | M16 x 35 grade 8.8 zp Bolt | 0211-1635 | 1 |
| 3 | Washer Spring M16 | 0231-S16 | 1 |
| 4 | Washer Flat M16 | 0231-F16 | 1 |



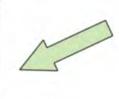


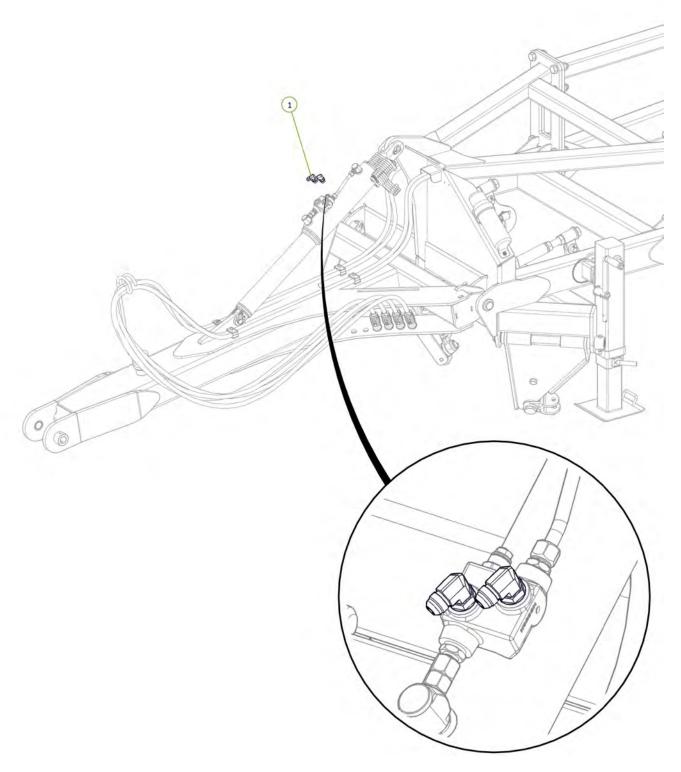
| Item No. | Description | Number | Qty |
|----------|---|---------------|-----|
| 1 | 4" Bore 12" Stroke 2" Rod Extended Hydraulic Cylinder | 0311-412EXT-2 | 1 |



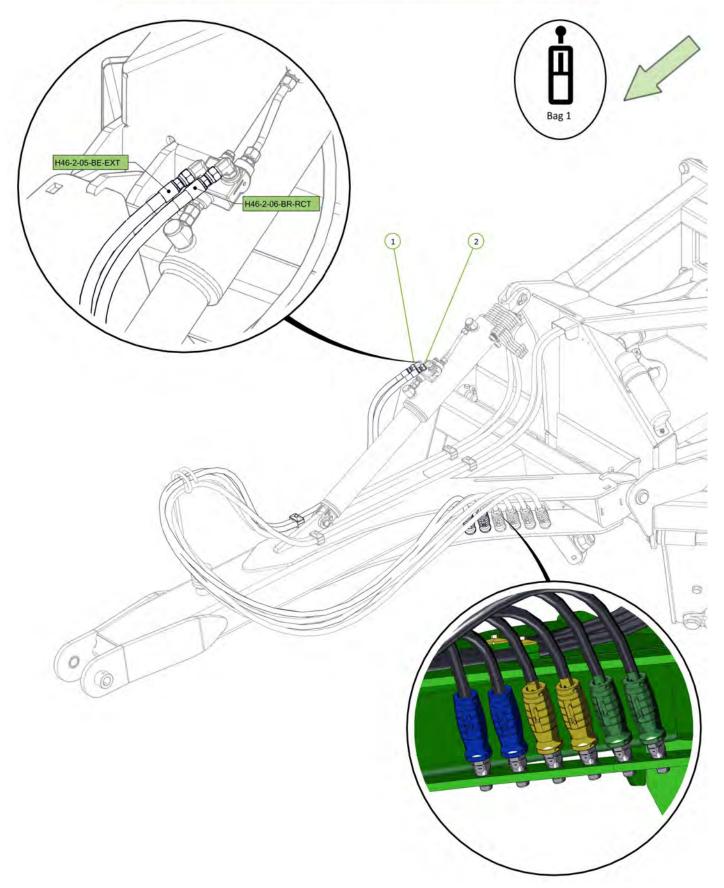
| Item No. | Description | Number | Qty |
|----------|---|---------------|-----|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 0323-S91-1212 | 2 |



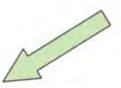


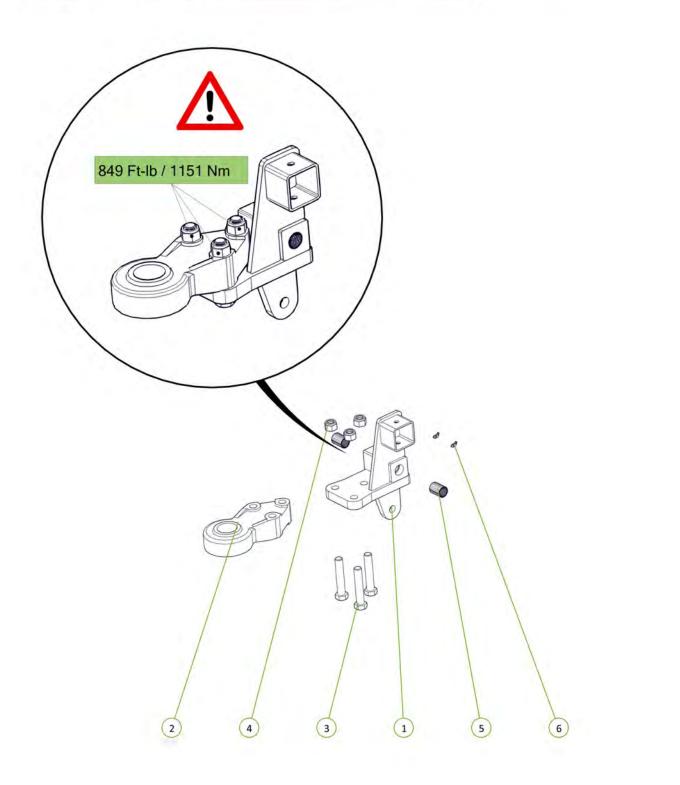


| Item No. | Description | Number | Qty |
|----------|--|-----------------|-----|
| 1 | Tractor to Front Lift Cylinder Extend Port Fitted With Blue EXT Grip | H46-2-05-BE-EXT | 1 |
| 2 | Tractor to Front Lift Cylinder Extend Port Fitted With Blue RTC Grip | H46-2-06-BR-RCT | 1 |



| Item No. | Description | Number | Qty |
|----------|---|---------------------|-----|
| 1 | Tow Hitch For Bull Pull Swivel Hitch | 0810-09-BP | 1 |
| 2 | Bull Pull Swivel Hitch Cat 4 with 1-1/2" Insert | 0801-BPF-CAT-4JDF-2 | 1 |
| 3 | 1" x 5-1/2" UNF Grade 8 ZP Bolt | 0213-1 51-2 | 3 |
| 4 | Nyloc Nut 1" UNF | 0223-NYL1 | 3 |
| 5 | 35 ID x 50mm DX Bush | 0113-MB3550DX | 2 |
| 6 | Grease Nipple 1/4" UNF 45° | 0181-GN1-445 | 2 |

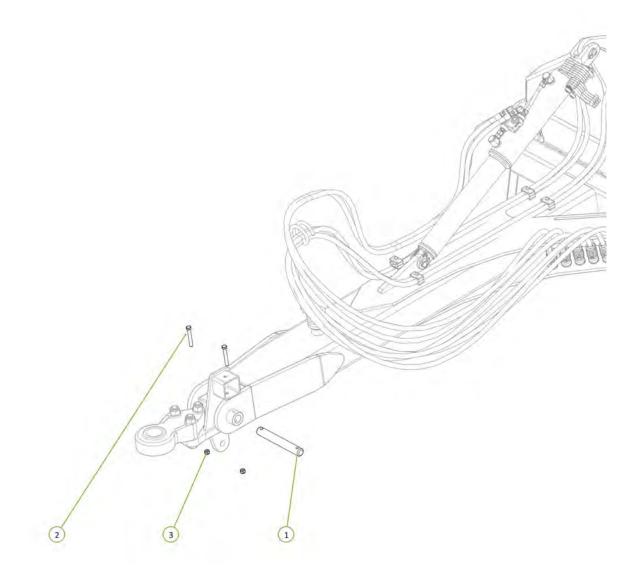




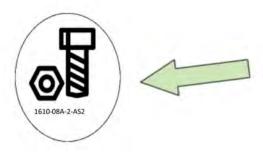
| Item No. | Description | Number | Qty |
|----------|----------------------------|------------|-----|
| 1 | Tow Hitch Pivot Pin | 0801-10-14 | 1 |
| 2 | M12 x 90 Class 8.8 ZP Bolt | 0211-1290 | 2 |
| 3 | Nyloc Nut M12 | 0221-NYL12 | 2 |

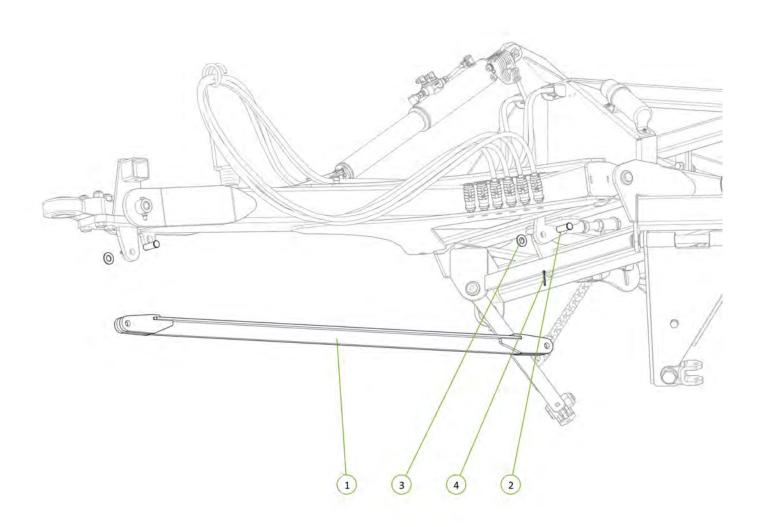






| Item No. | Description | Number | Qty |
|----------|------------------------|---------------|-----|
| 1 | 46' Parallel Arm | 0810-64 | 1 |
| 2 | Clevis Pin 25mm x 75mm | 0801-KE0307-1 | 2 |
| 3 | Washer Flat 1" | 0232-F1 | 2 |
| 4 | Cotter Pin M5 x 50 | 0261-PINC550 | 2 |

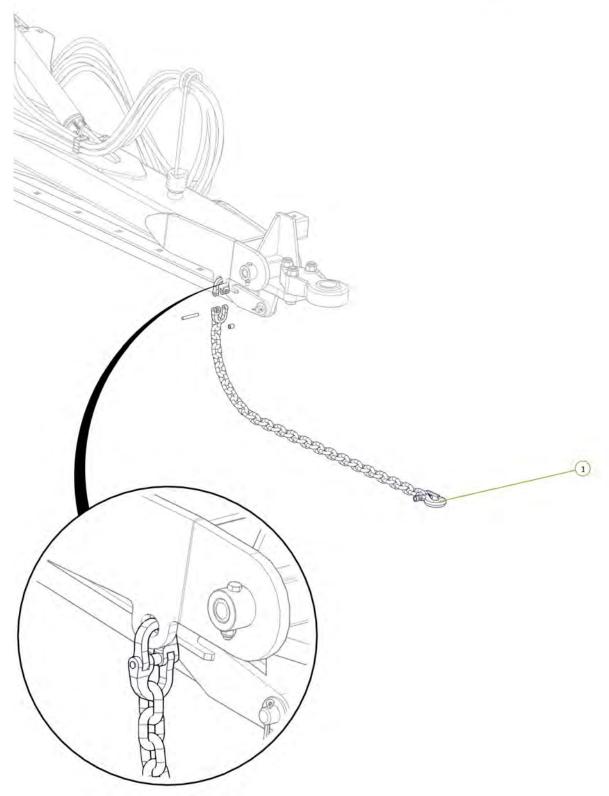




| Item No. | Description | Number | Qty |
|----------|-----------------------|---------|-----|
| 1 | Safety Chain Assembly | 0810-16 | 1 |



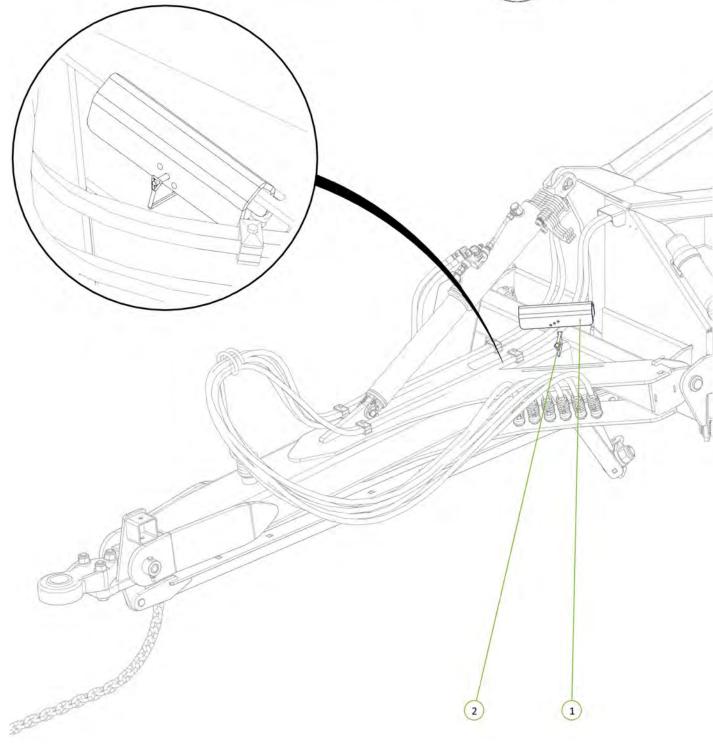




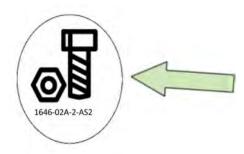
| Item No. | Description | Number | Qty |
|----------|--------------------------------|-----------------------|-----|
| 1 | Cylinder Safety Stop | 0800-688 | 1 |
| 2 | Square Loop Pin 5/16" x 3 1/2" | 0511-PINLOOPSQ516x312 | 1 |

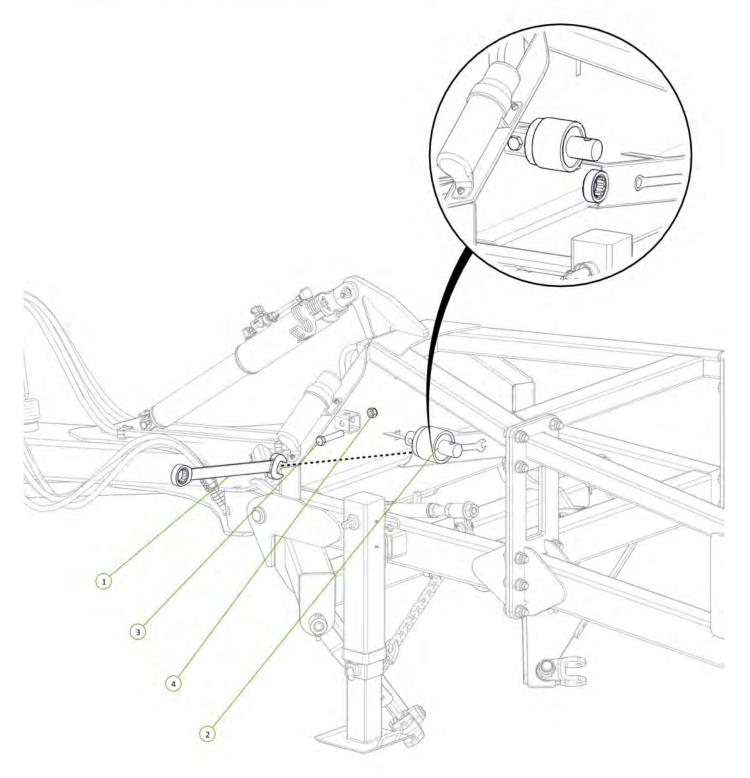


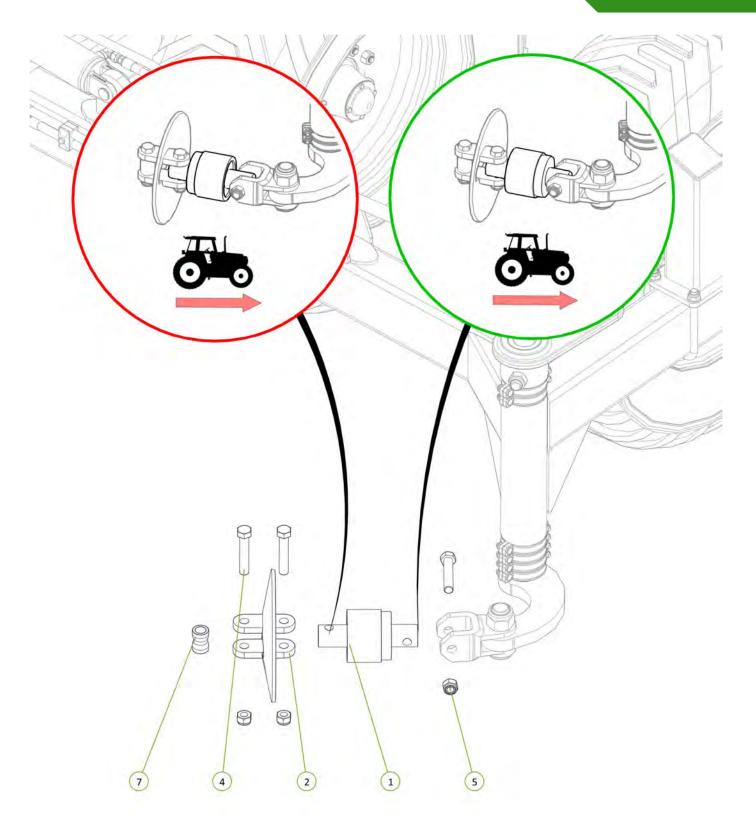




| Item No. | Description | Number | Qty |
|----------|---|---------------|-----|
| 1 | Ratcheting Gear Wrench 1 3/4" | 0802-GW1 3-4 | 1 |
| 2 | 20mm Bolt Swivel Unit | 0802-PCHB55 | 1 |
| 3 | M20 x 110 grade 10.9 ZP Short Thread Bolt | 0211-20110 ST | 1 |
| 4 | Nyloc Nut M20 | 0221-NYL20 | 1 |

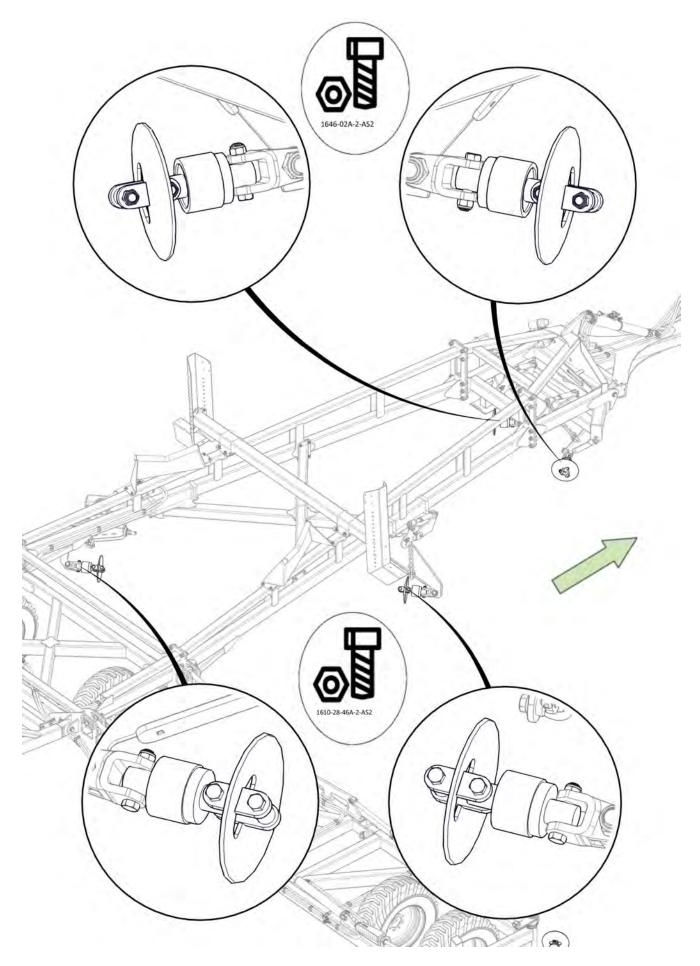


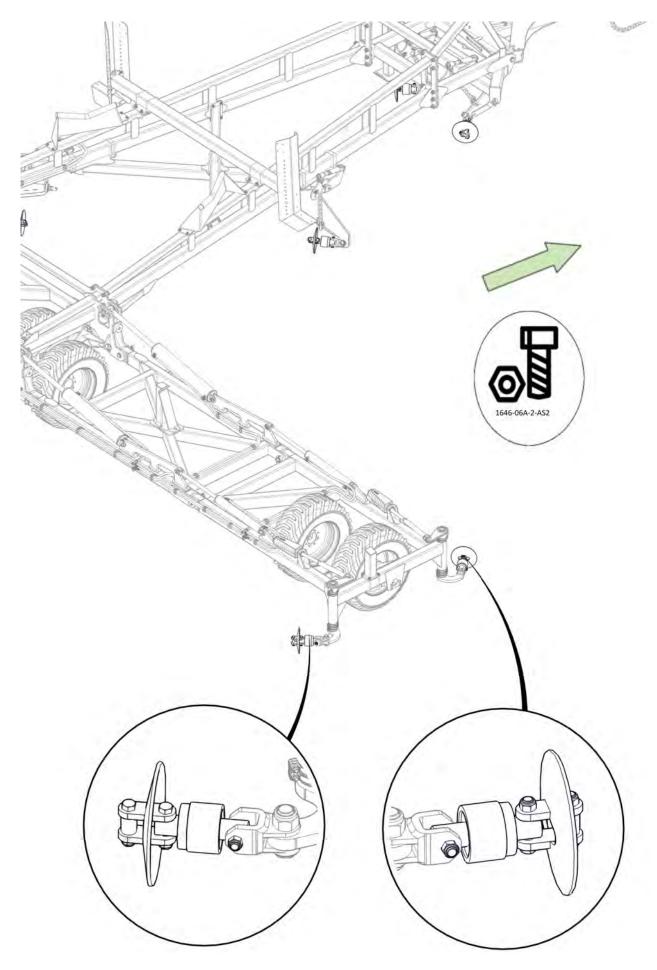


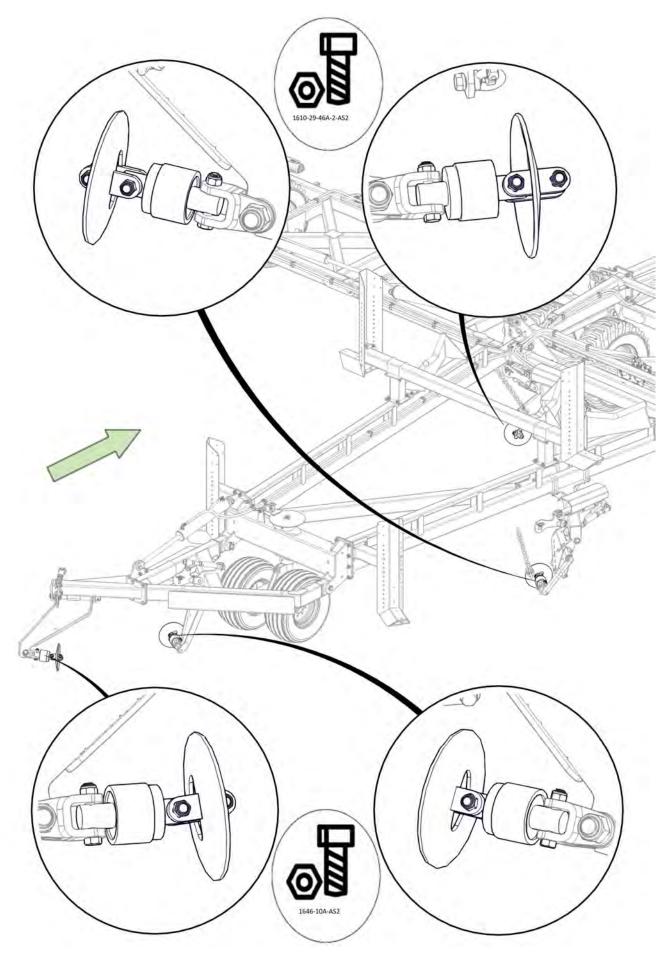


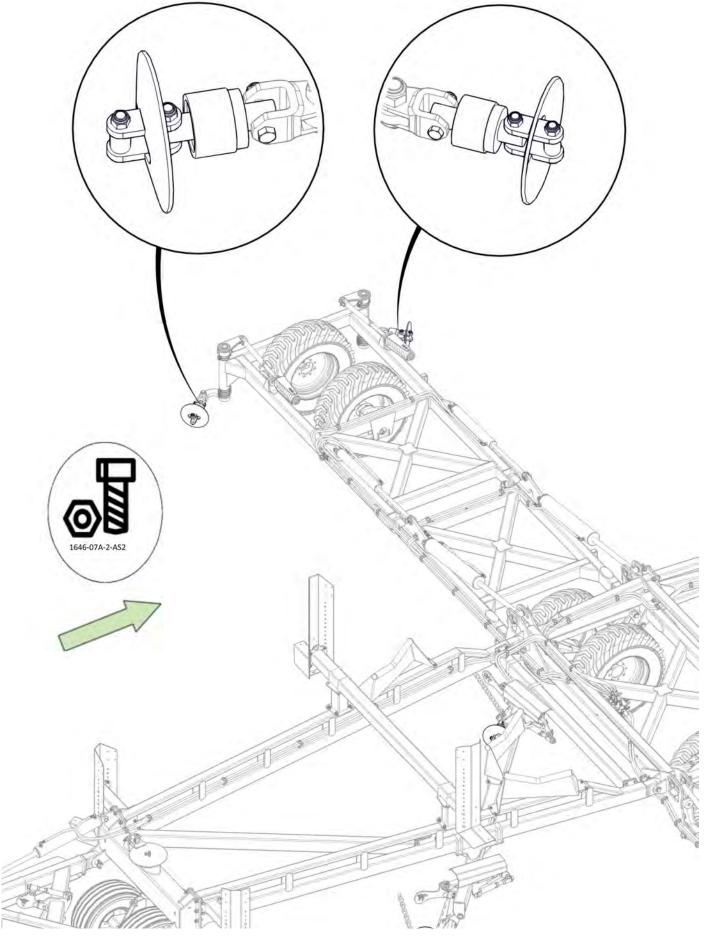
| Item No. | Description | Number | Qty |
|----------|---|---------------|-----|
| 1 | 20mm Bolt Swivel Unit | 0802-PCHB55 | 1 |
| 2 | Disc Chain Tie Plate Link 20mm | 0802-DCTP-20 | 1. |
| 4 | M20 x 110 grade 10.9 ZP Short Thread Bolt | 0211-20110 ST | 3 |
| 5 | Nyloc Nut M20 | 0221-NYL20 | 3 |
| 7 | Disc Chain Spacer | 0801-253755 | 1 |

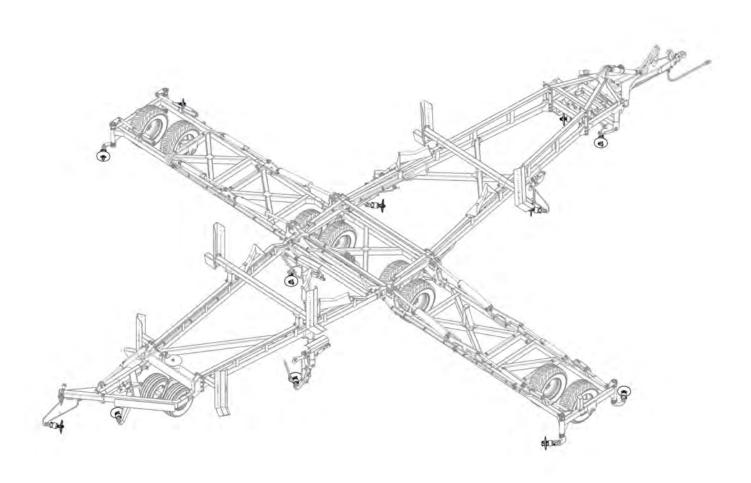




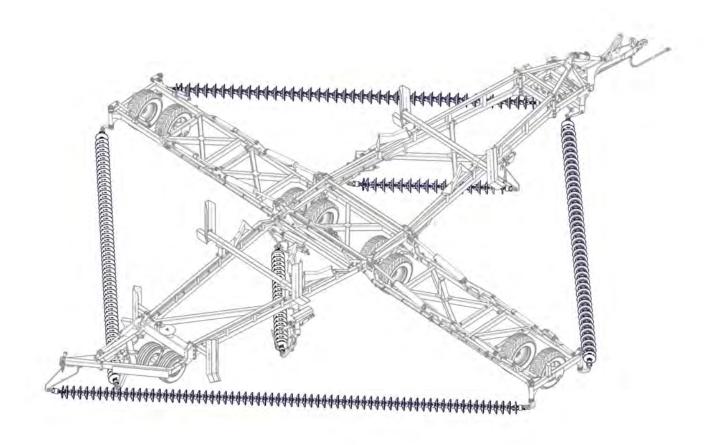








All bearings correctly orientated with seal facing rear of machine





Section 3 - Decal Application

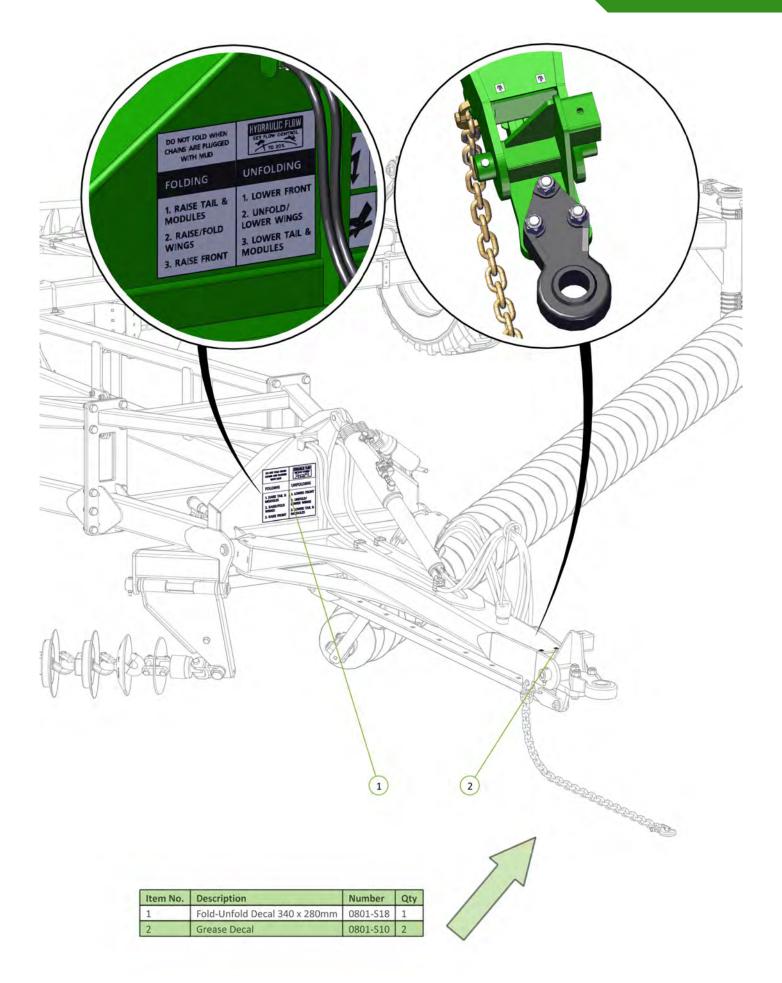
- 1 CLEAN
- Wipe application surface and allow to fully dry. Ensure the area is free from dirt and contaminants.
- PEEL BACKING
- Carefully peel away paper backing.
- 3. ALIGN AND PRESS
 - Align the decal and carefully place it on surface.
- 4 SMOOTH
- Use a squeegy to smooth design over surface, from top to bottom and to push out all remaining air. Ensure full coverage with no bubbles.

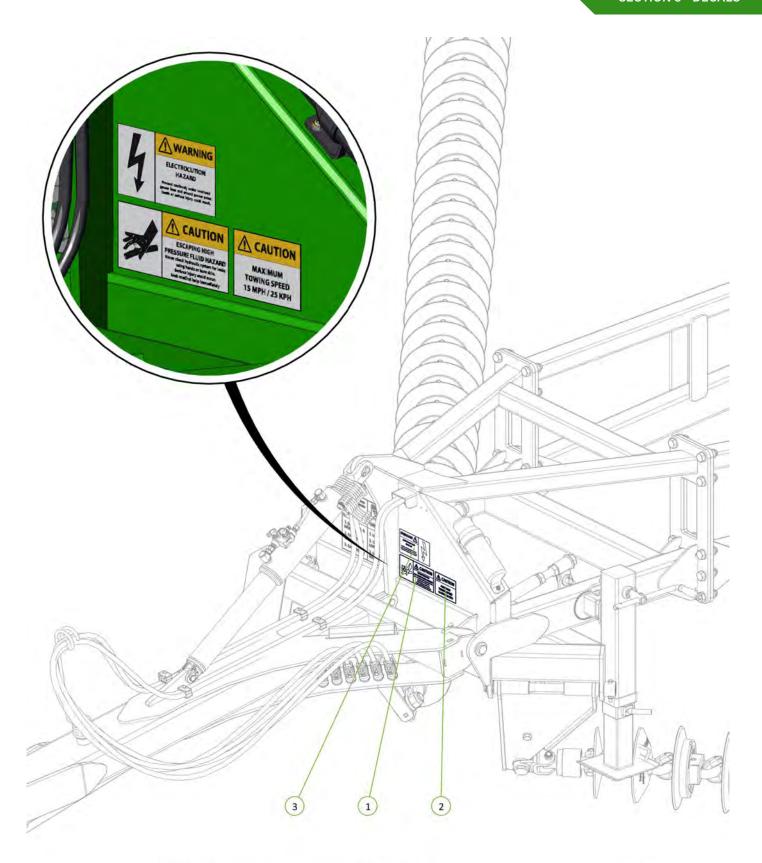
For the Kelly Harrow 3009 Decal (0801-SKDH3009), follow this instructions below:

- 1 CLEAN
- Wipe application surface and allow to fully dry. Ensure the area is free from dirt, and contaminants.
- PEEL BACKING
- Carefully peel away paper backing, ensuring vinyl sticks entirely to tape.
- 3. ALIGN AND PRESS
 - Align the decal and carefully place it on surface.
- 4 SMOOTH
 - Use a squeegy to smooth design over surface, from top to bottom and to push out all remaining air. Ensure full coverage with no bubbles.
- 5. REMOVE TRANSFER TAPE
 - Carefully peel away the transfer tape, beginning at the corner until completely removed. Finally, allow decal to cure for 24 hours before washing.

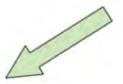
For the Fold/Unfold Decal (0801-S1), follow this instructions below:

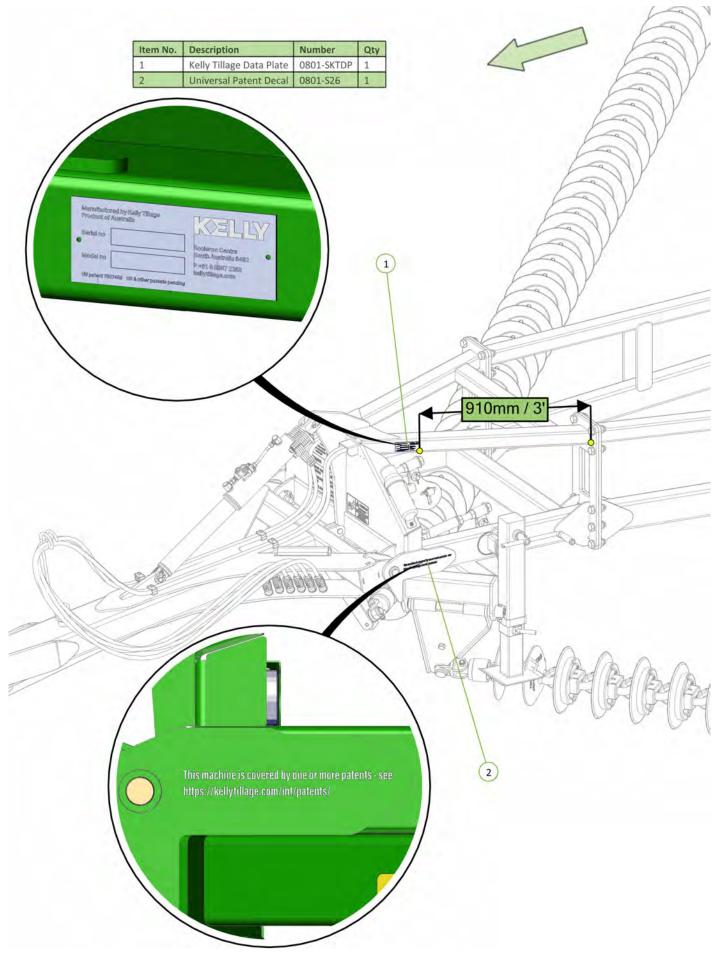
- 1 CLEAN
- Wipe application surface and allow to fully dry. Ensure the area is free from dirt and contaminants.
- 2. APPLY SOLUTION
- Using detergent wet the surface where you'll be applying the decal so you can slide it around.
- 3. PEEL BACKING
- Carefully peel away paper backing.
- 4 ALIGN AND PRESS
- Align the decal and carefully place it on surface.
- 5. SMOOTH
- Use a squeegy to smooth design over surface, from center to corners and to push out all remaining air. Ensure full coverage with no bubbles.

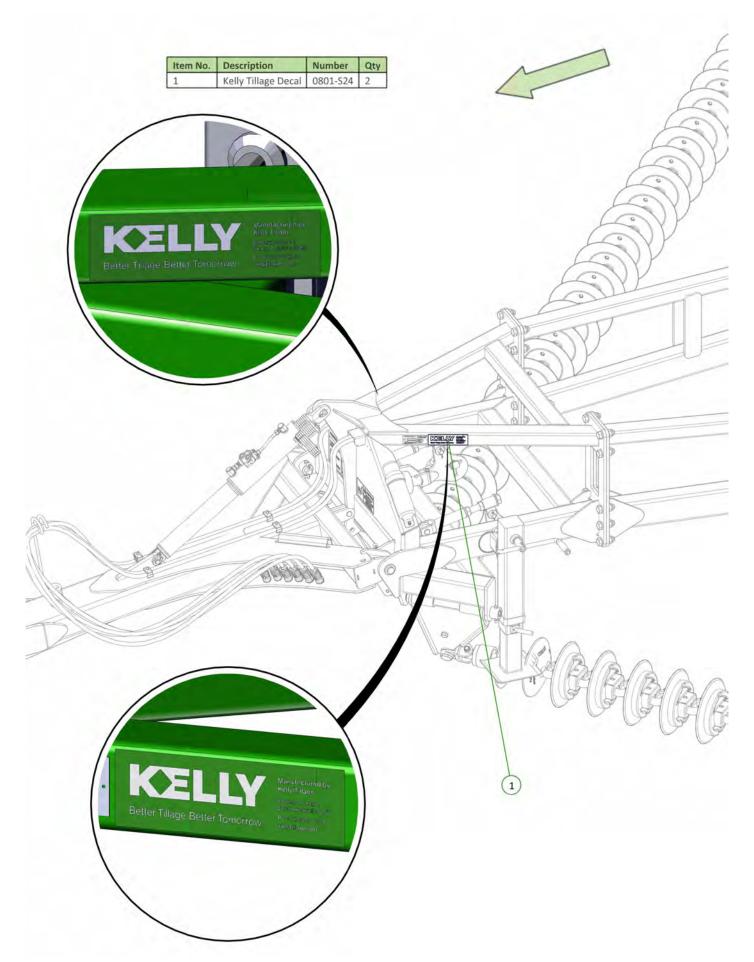


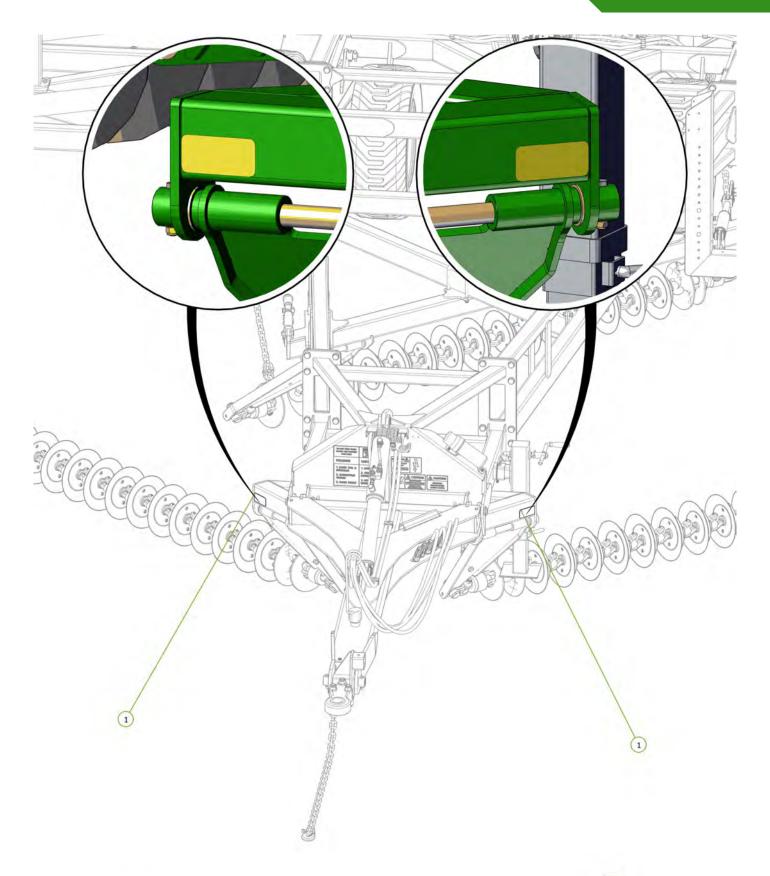


| Item No. | Description | Number | Qty |
|----------|----------------------------------|---------|-----|
| 1 | Hydraulic Pressure Caution Decal | 0801-54 | 1 |
| 2 | Towing Speed Decal | 0801-55 | 1 |
| 3 | Electrocution Hazard Decal | 0801-56 | 1 |



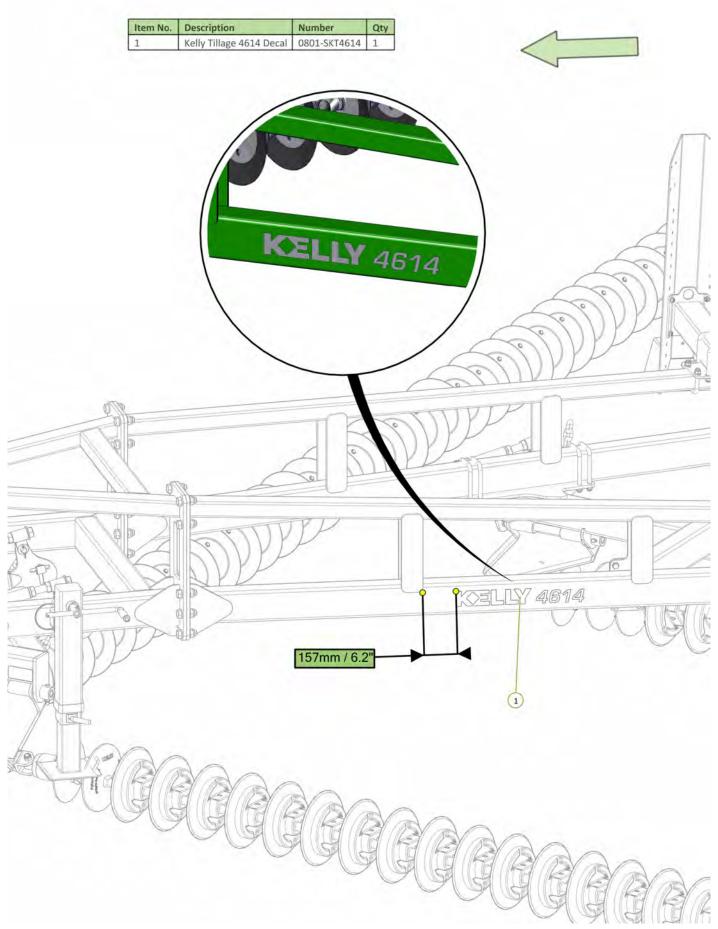


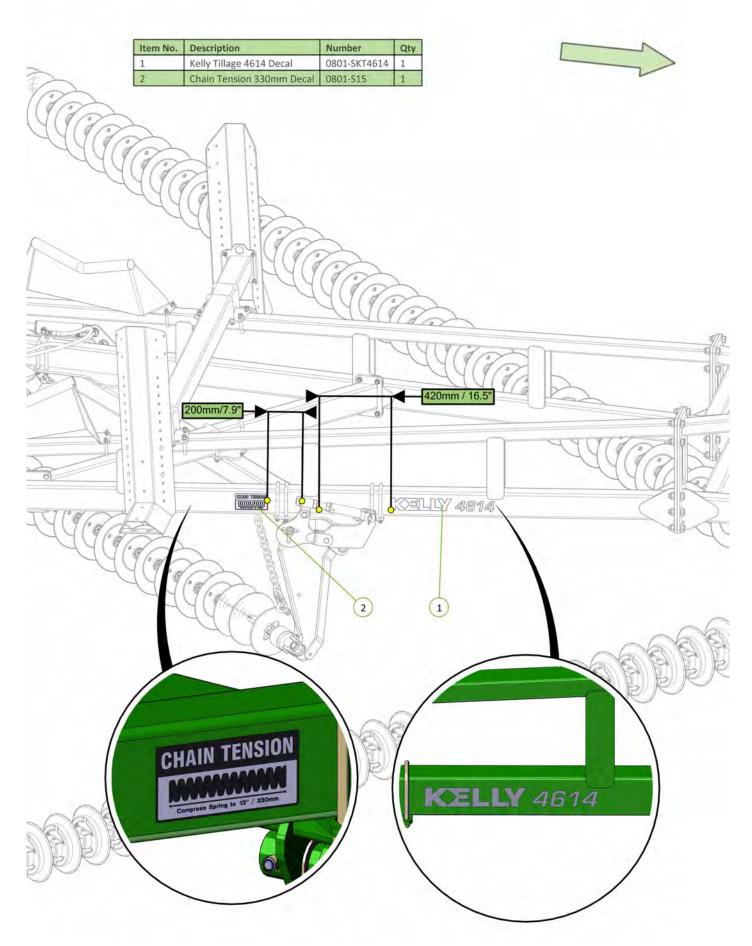


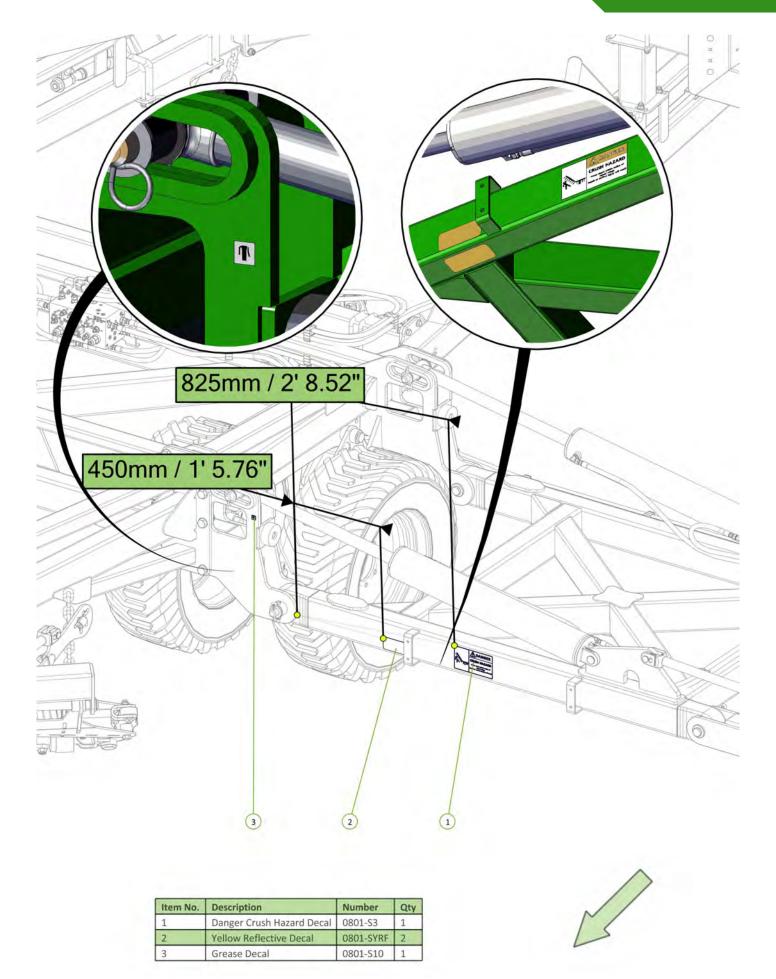


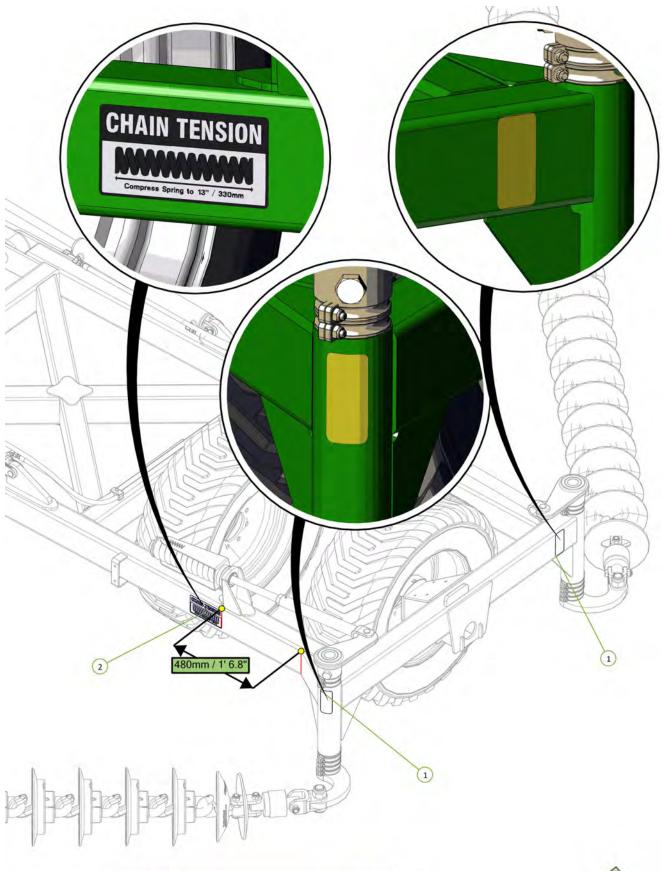
| Item No. | Description | Number | Qty |
|----------|-------------------------|-----------|-----|
| 1 | Yellow Reflective Decal | 0801-SYRF | 2 |





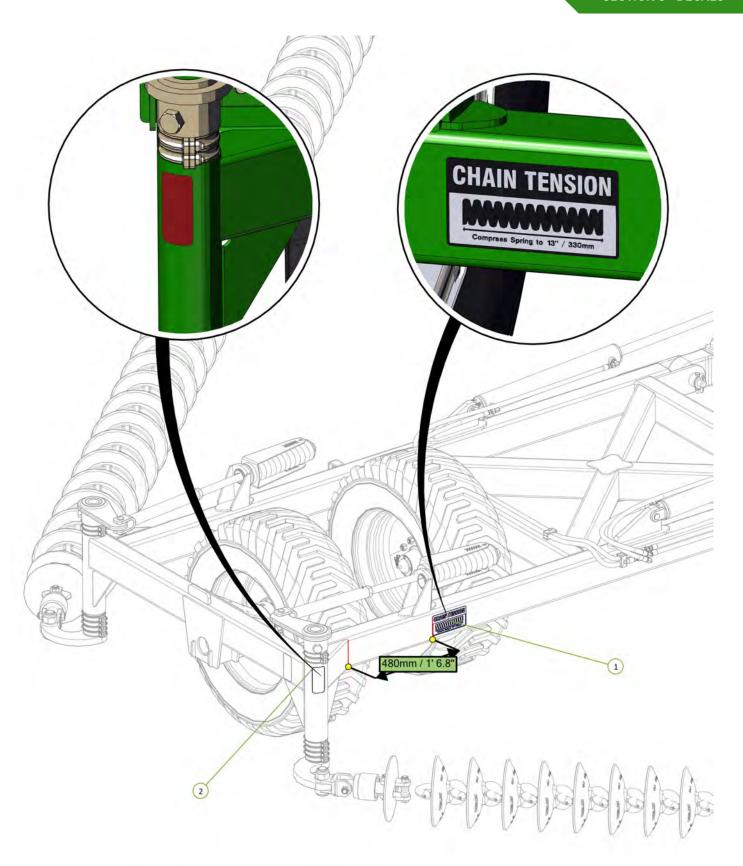






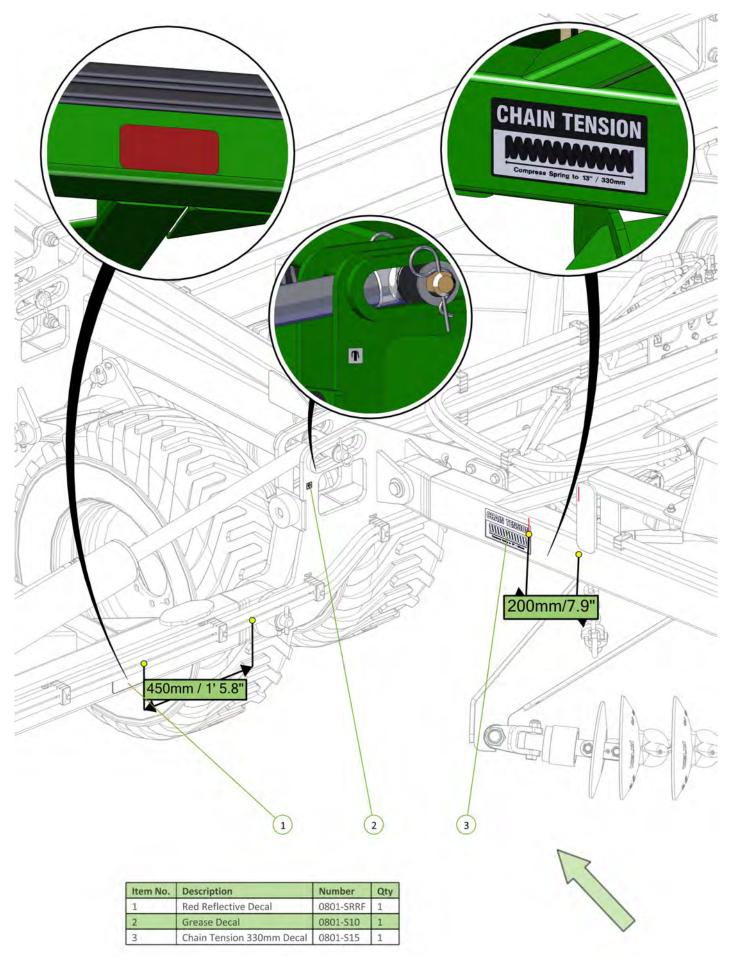
| Item No. | Description | Number | Qty |
|----------|---------------------------|-----------|-----|
| 1 | Yellow Reflective Decal | 0801-SYRF | 2 |
| 2 | Chain Tension 330mm Decal | 0801-S15 | 1 |

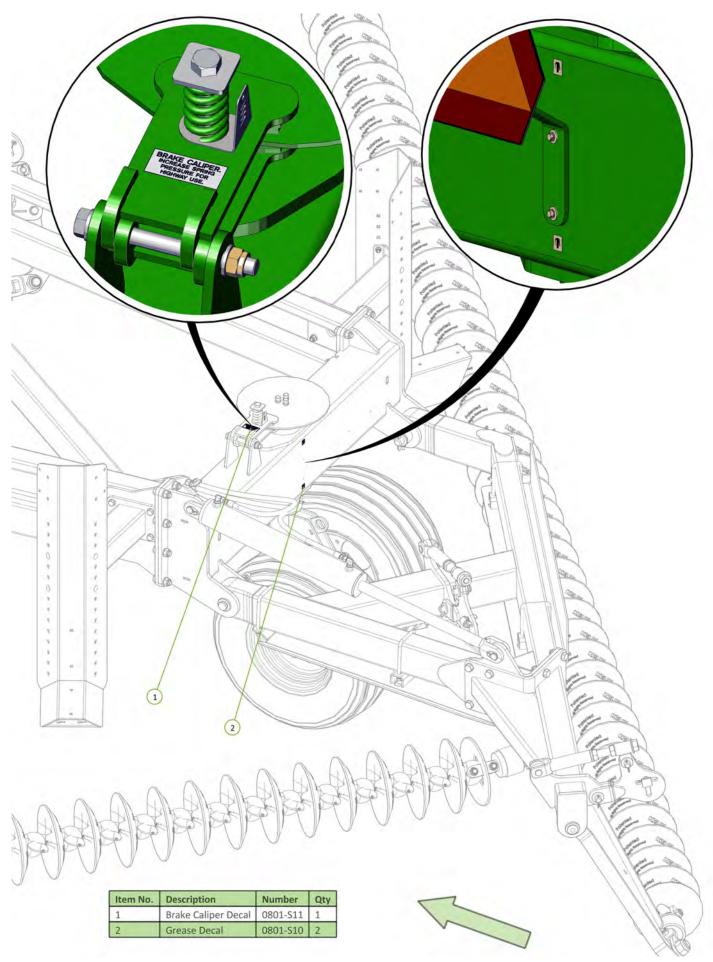




| Item No. | Description | Number | Qty |
|----------|---------------------------|-----------|-----|
| 1 | Chain Tension 330mm Decal | 0801-S15 | 1 |
| 2 | Red Reflective Decal | 0801-SRRF | 1 |

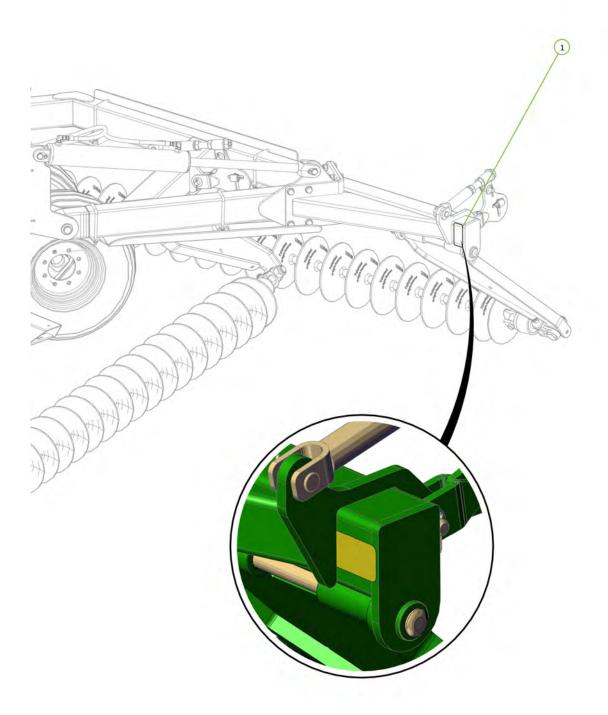






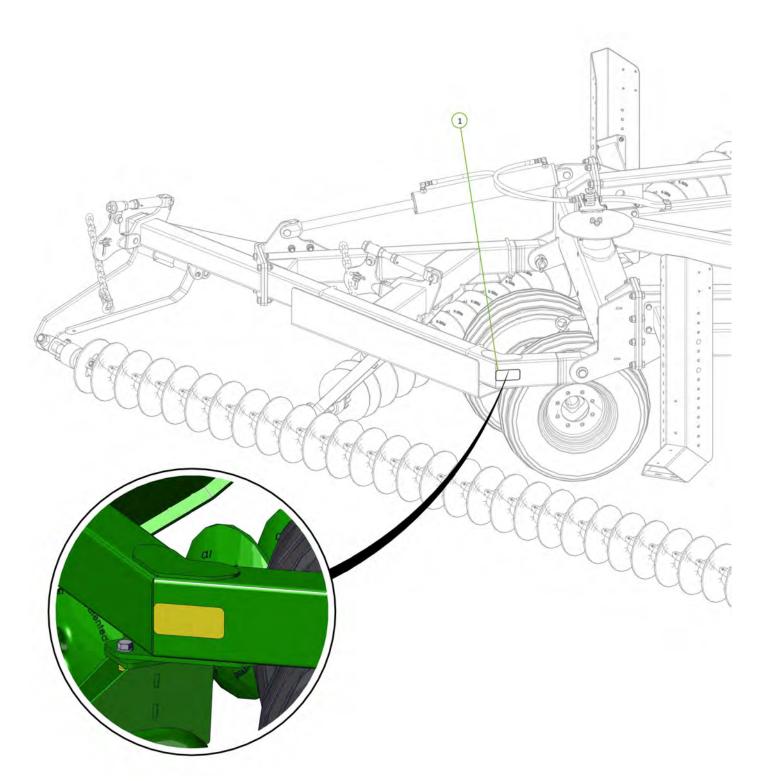
| Item No. | Description | Number | Qty |
|----------|-------------------------|-----------|-----|
| 1 | Yellow Reflective Decal | 0801-SYRF | 1 |

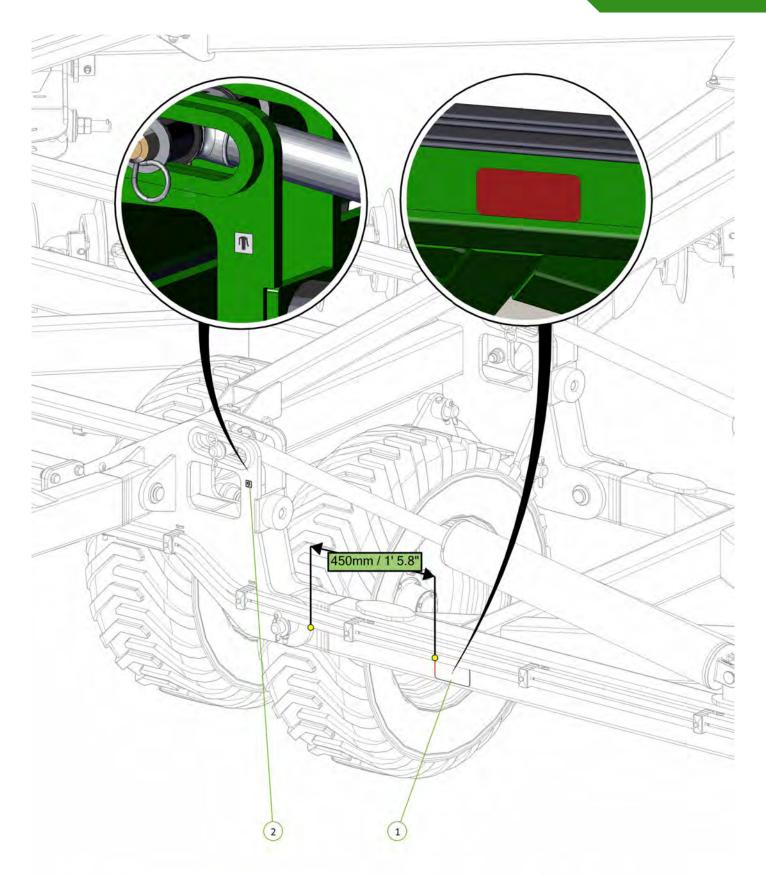




| Item No. | Description | Number | Qty |
|----------|-------------------------|-----------|-----|
| 1 | Yellow Reflective Decal | 0801-SYRF | 1 |

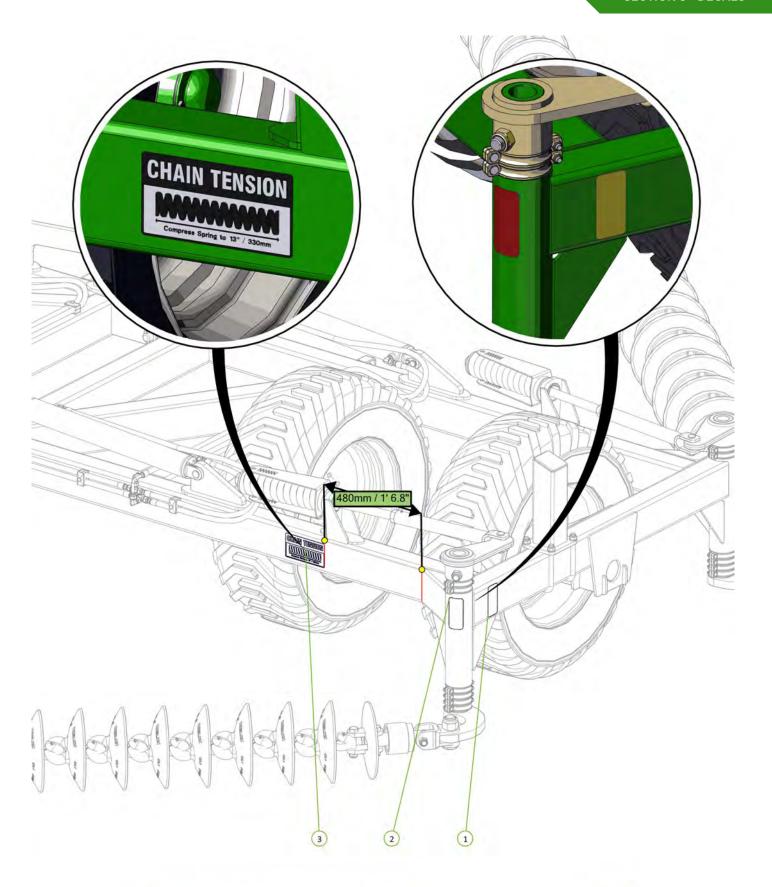






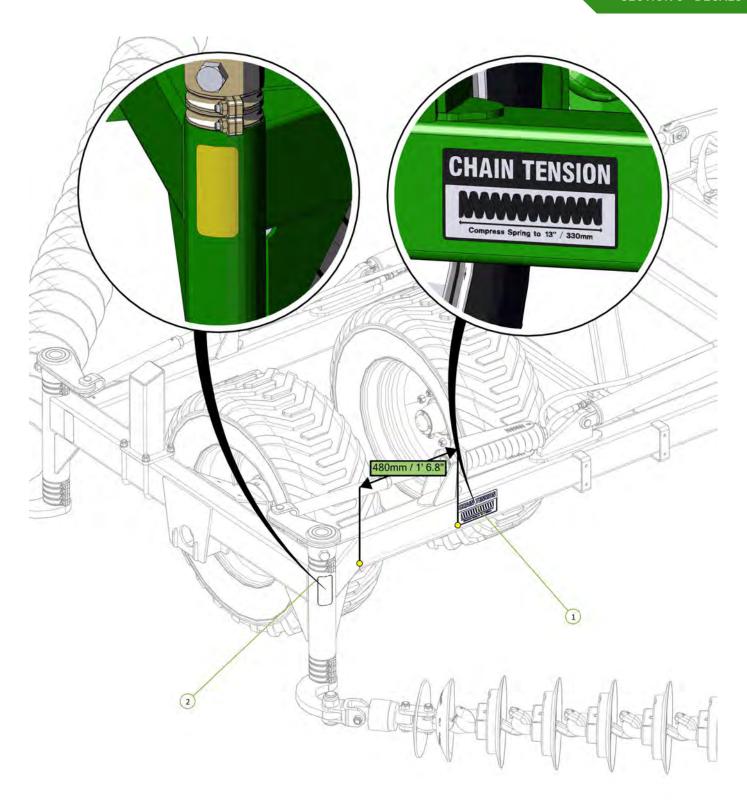
| Item No. | Description | Number | Qty |
|----------|----------------------|-----------|-----|
| 1 | Red Reflective Decal | 0801-SRRF | 1 |
| 2 | Grease Decal | 0801-S10 | 1 |



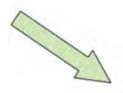


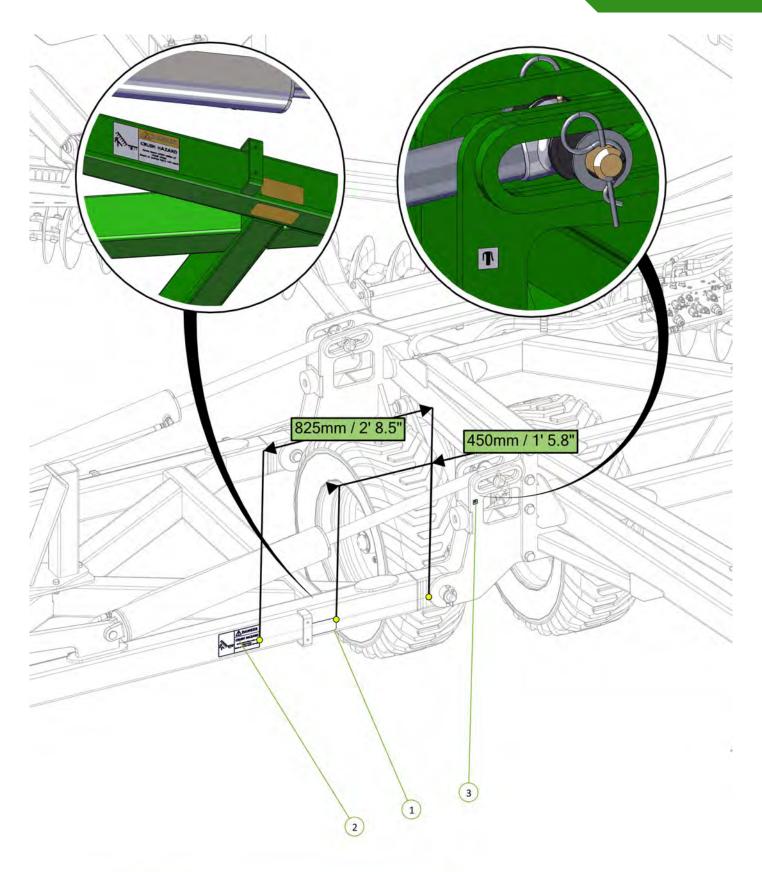
| Item No. | Description | Number | Qty |
|----------|---------------------------|-----------|-----|
| 1 | Yellow Reflective Decal | 0801-SYRF | 1 |
| 2 | Red Reflective Decal | 0801-SRRF | 1 |
| 3 | Chain Tension 330mm Decal | 0801-S15 | 1 |



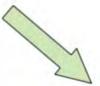


| Item No. | Description | Number | Qty |
|----------|---------------------------|-----------|-----|
| 1 | Chain Tension 330mm Decal | 0801-S15 | 1 |
| 2 | Yellow Reflective Decal | 0801-SYRF | 1 |



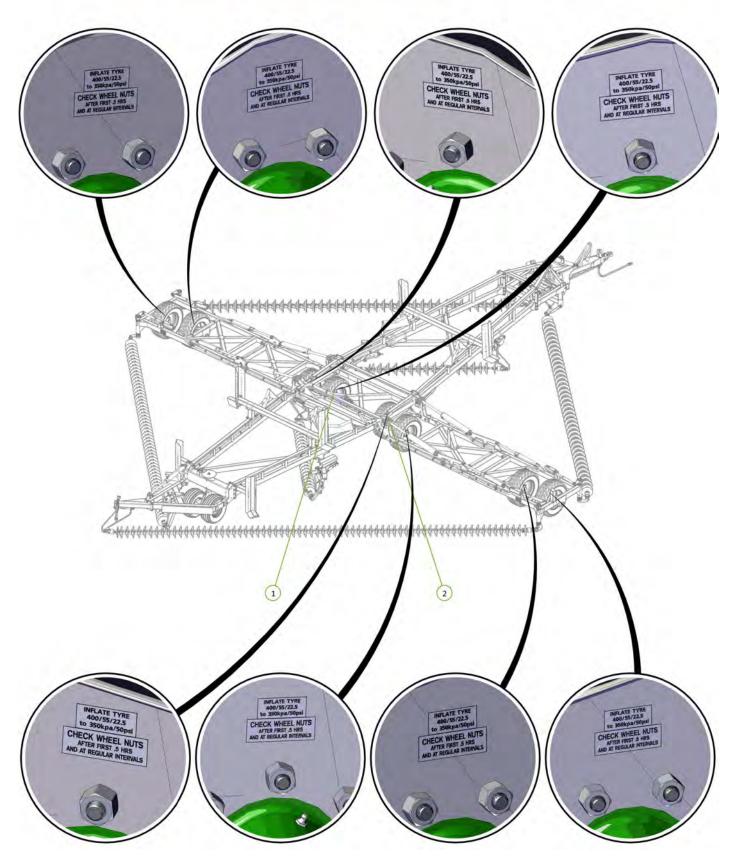


| Item No. | Description | Number | Qty |
|----------|---------------------------|-----------|-----|
| 1 | Yellow Reflective Decal | 0801-SYRF | 2 |
| 2 | Danger Crush Hazard Decal | 0801-S3 | 1 |
| 3 | Grease Decal | 0801-S10 | 1 |

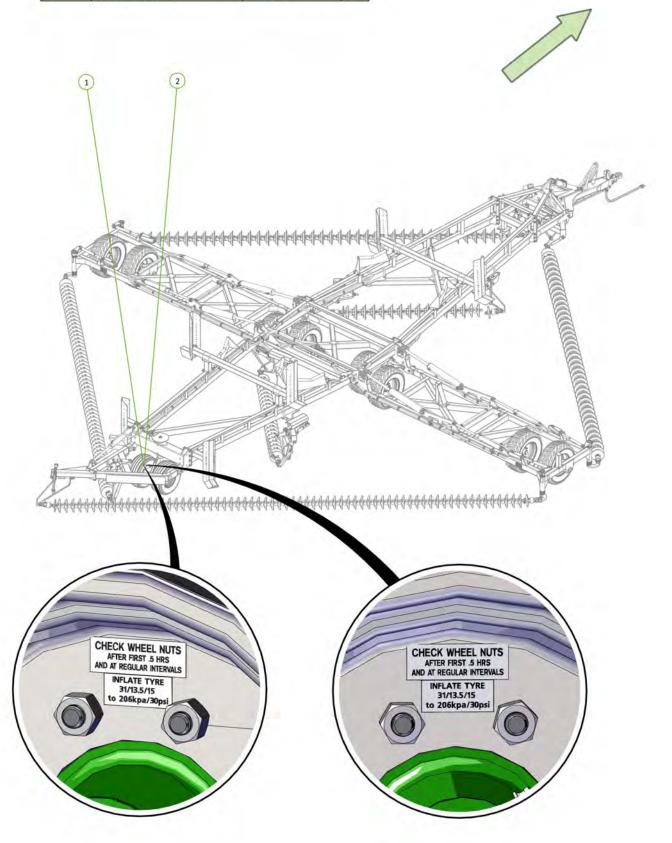


| Item No. | Description | Number | Qty |
|----------|----------------------------------|---------------------|-----|
| 1 | 400/55/22.5 Tyre Inflation Decal | 0801-58-400-55-22.5 | 8 |
| 2 | Wheel Nut Decal | 0801-S9 | 8 |



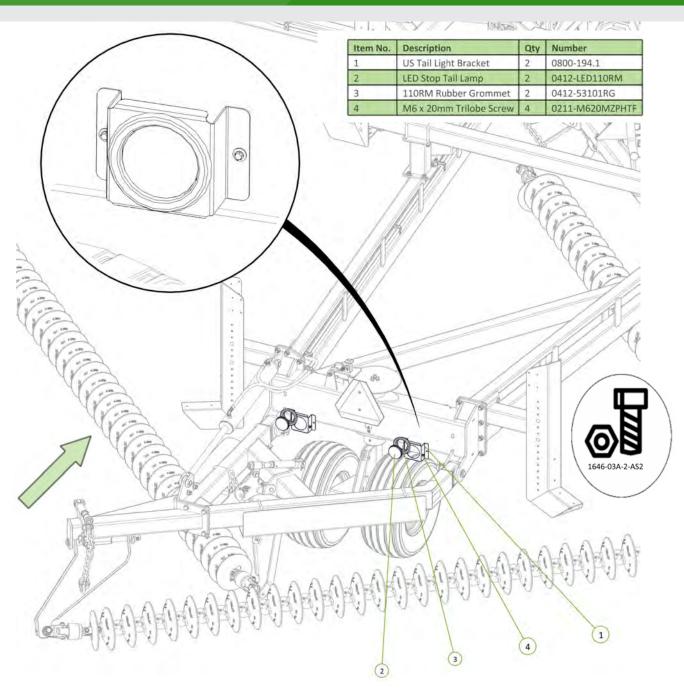


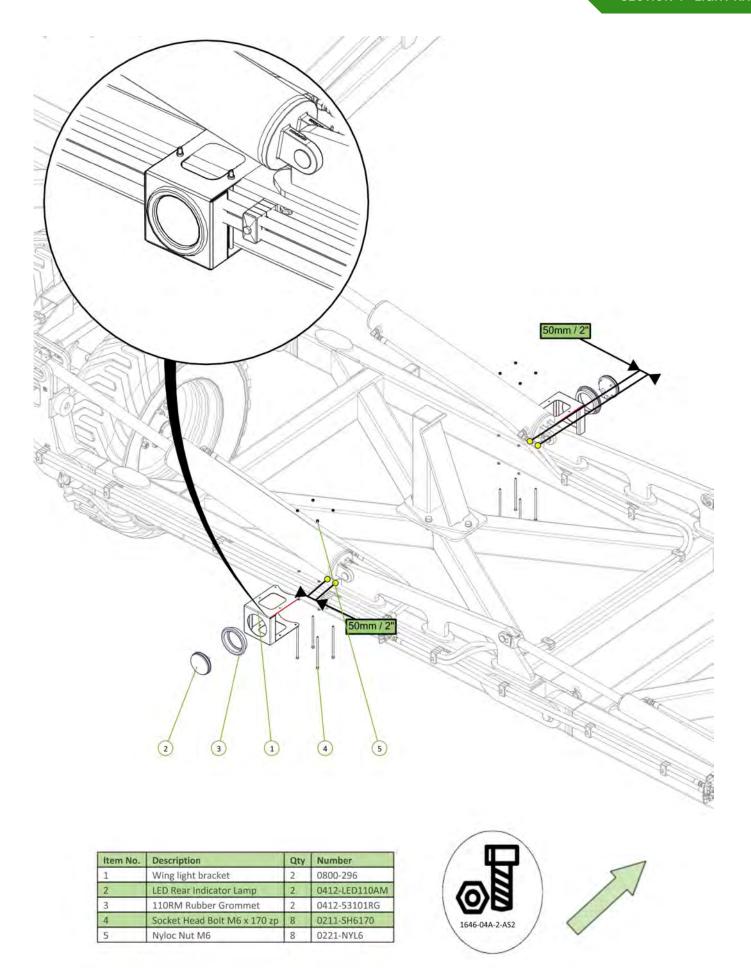
| Item No. | Description | Number | Qty |
|----------|----------------------------------|--------------------|-----|
| 1 | Decal, 31/13.5/15 Tyre Inflation | 0801-S8-31-13.5-15 | 2 |
| 2 | Wheel Nut Decal | 0801-59 | 2 |

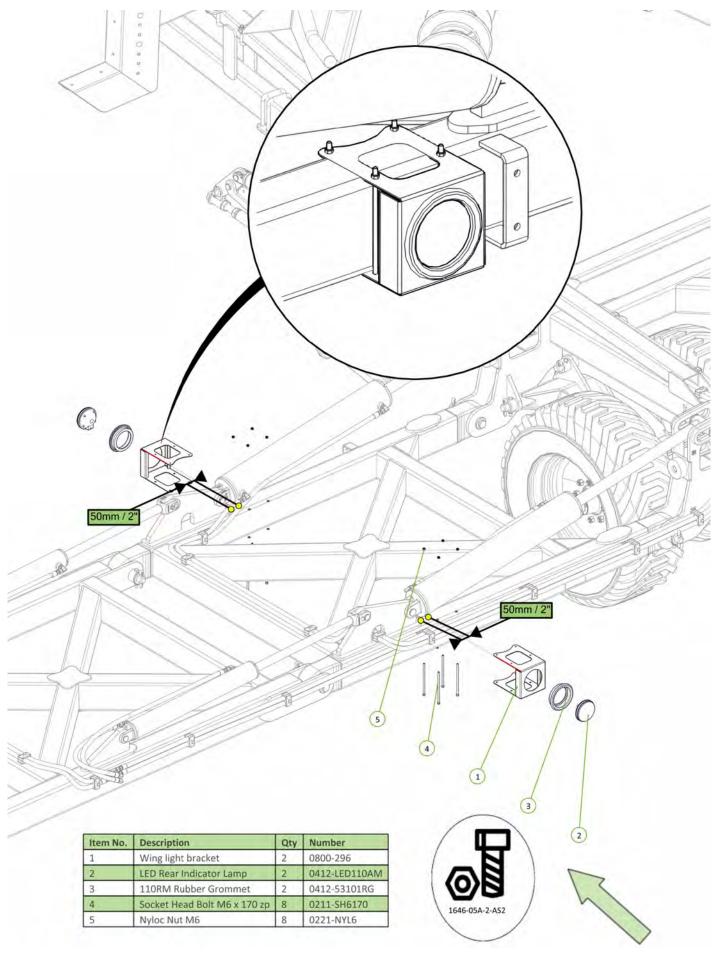




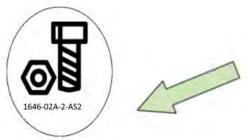
Section 4 - Light Kit

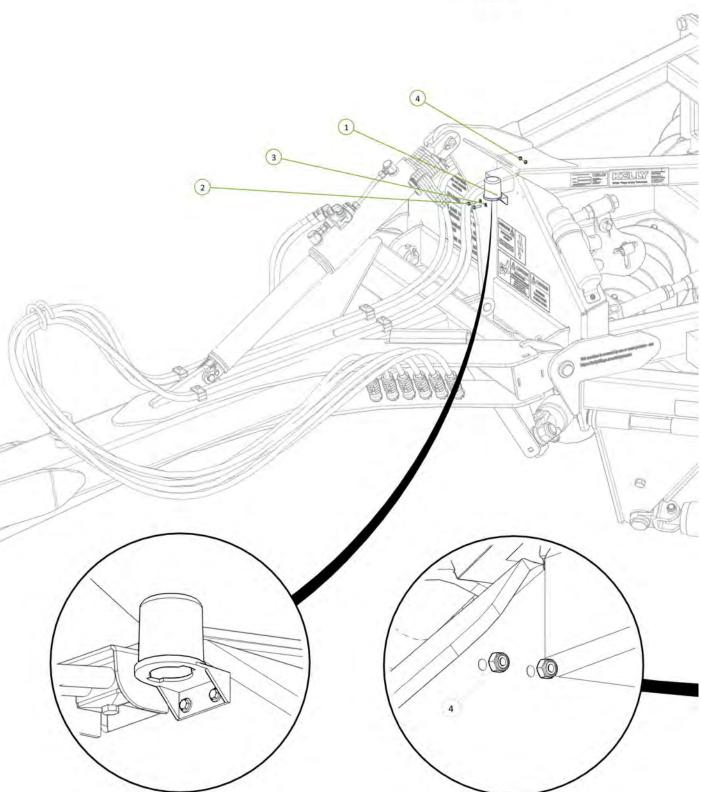


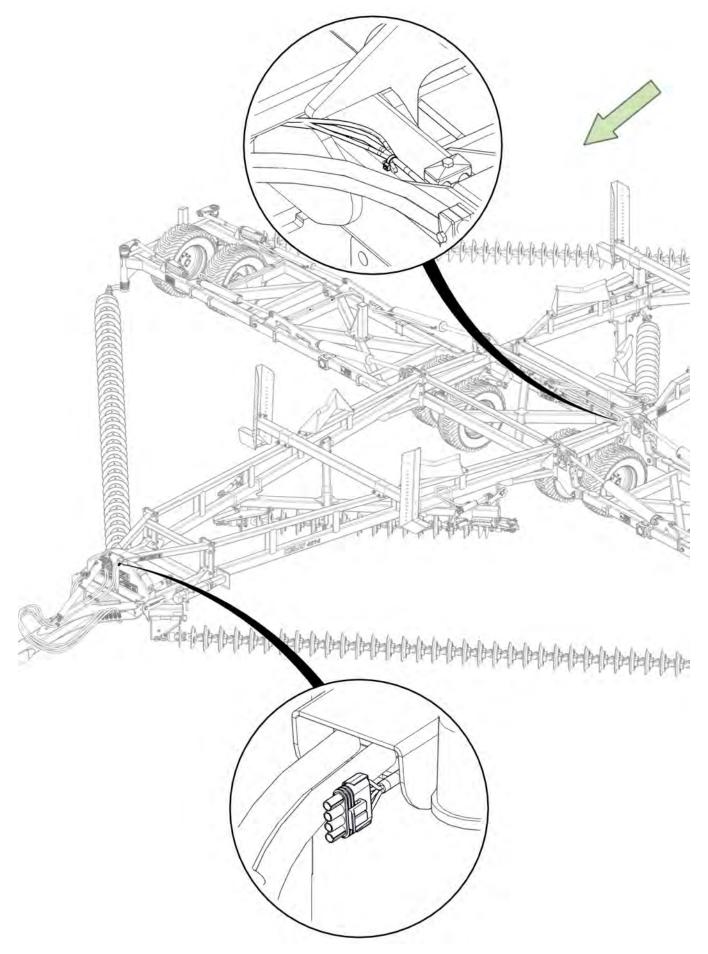


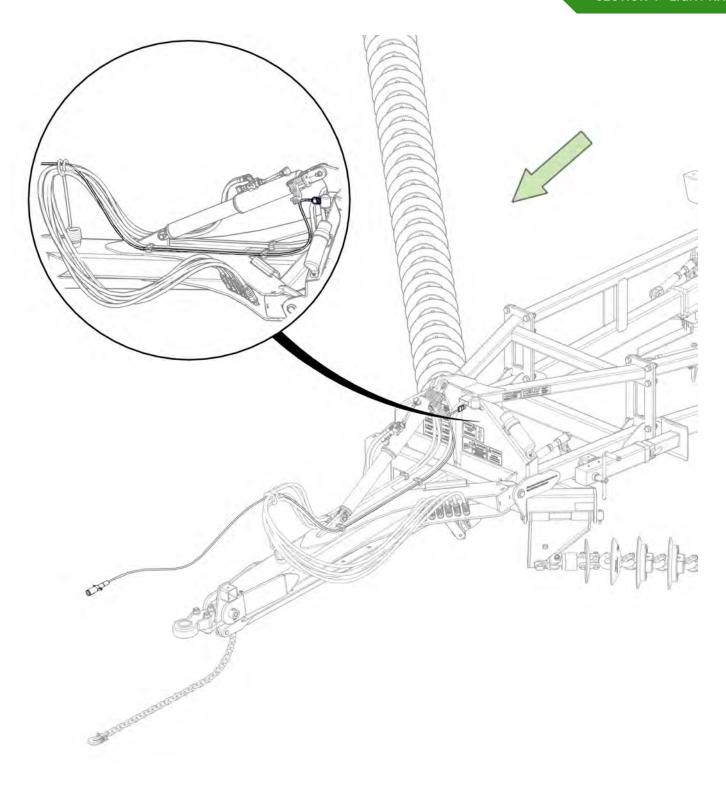


| Item No. | Description | Qty | Number |
|----------|---------------------------|-----|-------------|
| 1 | Electrical Plug Keeper | 1 | 0416-11750B |
| 2 | M6 x 25 Class 8.8 ZP Bolt | 2 | 0211-625 |
| 3 | Washer Flat M6 | 2 | 0231-F6 |
| 4 | Nyloc Nut M6 | 2 | 0221-NYL6 |

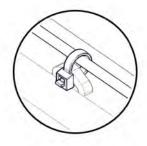


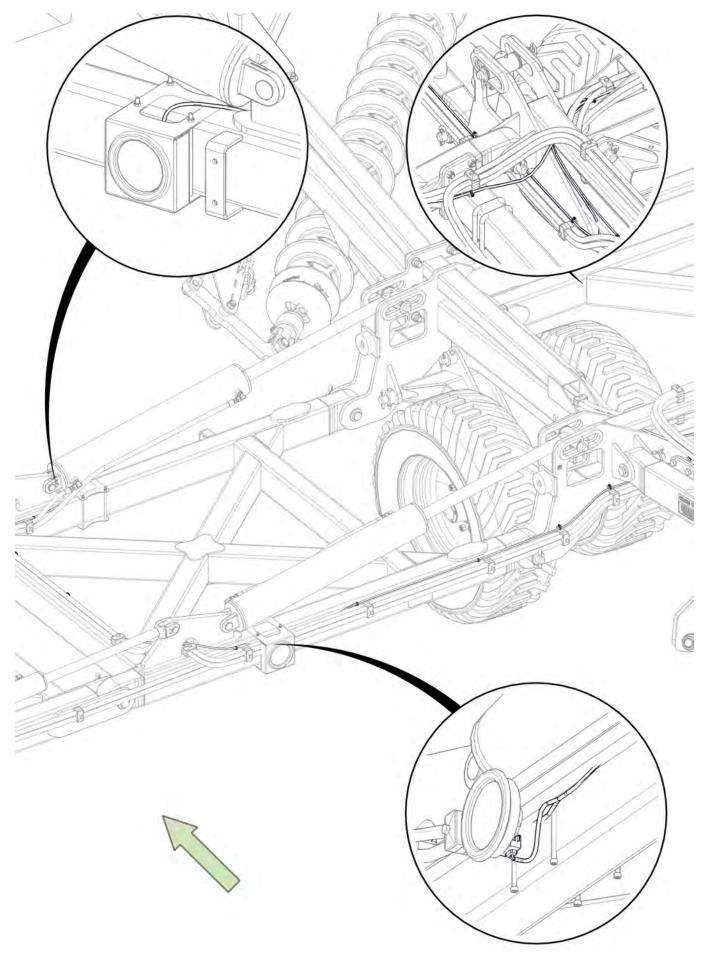


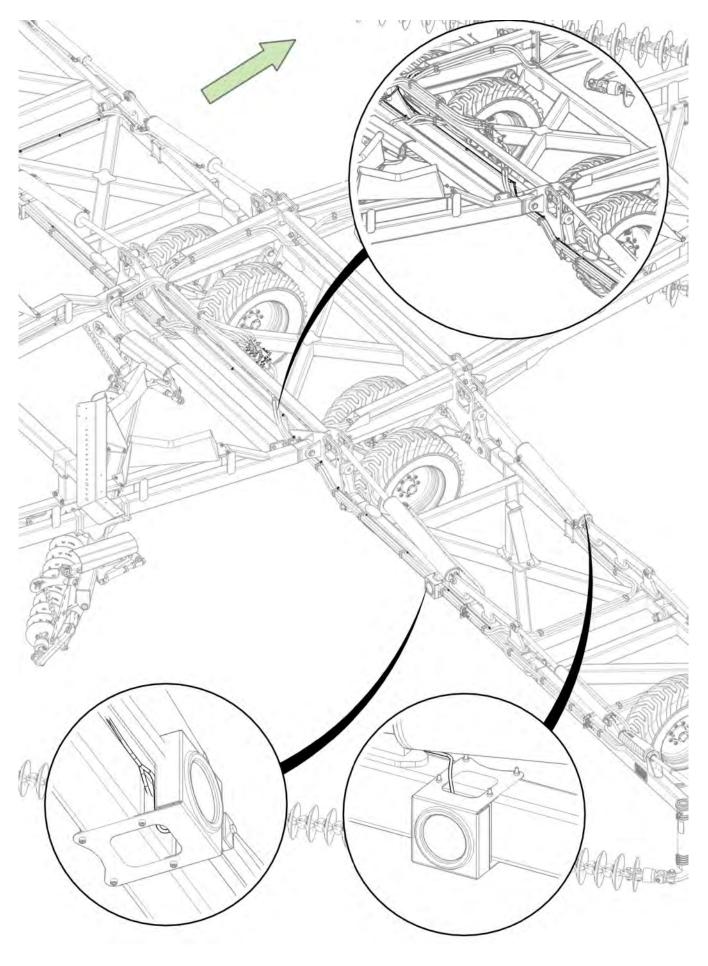


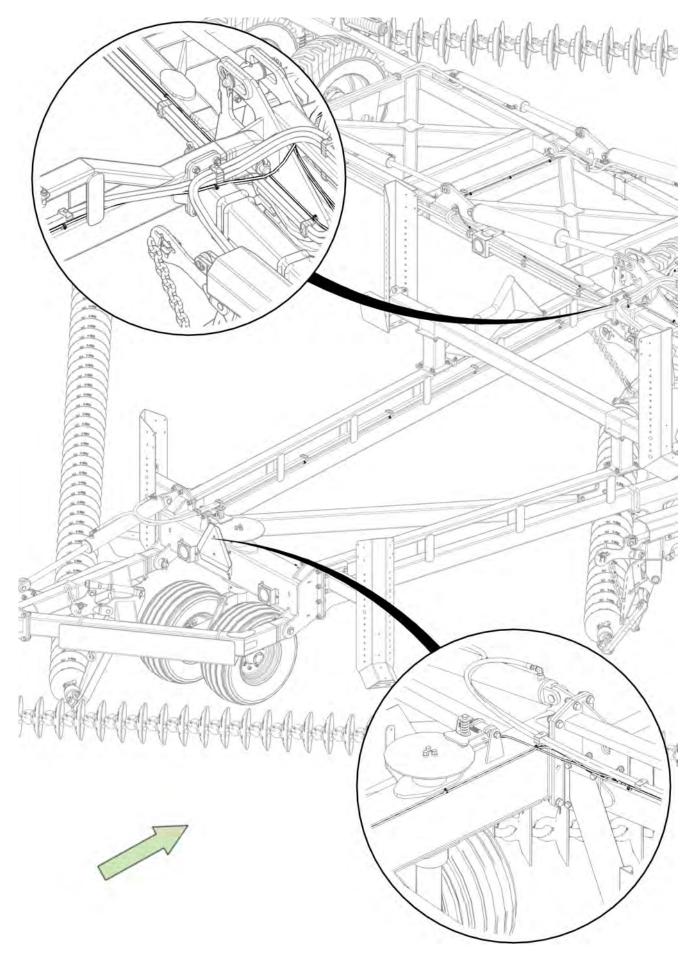


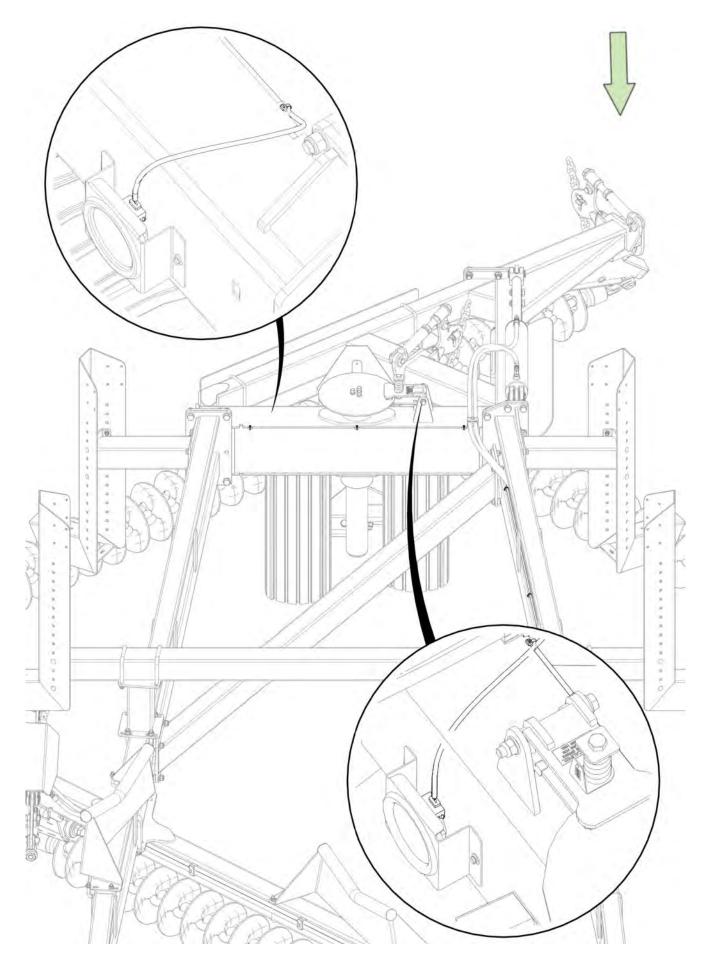
Where required secure loom to hydraulic hoses or tabs provided





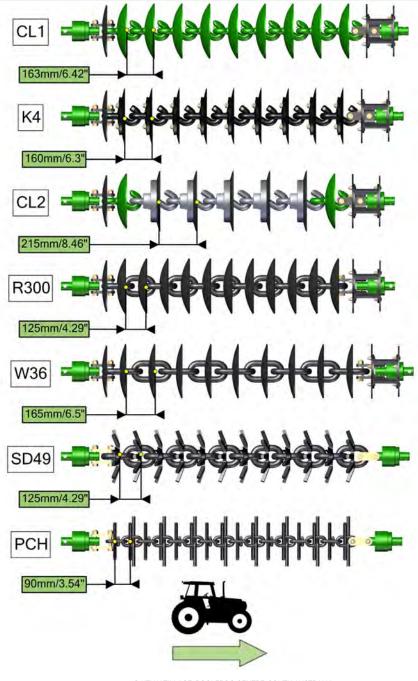






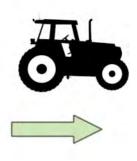


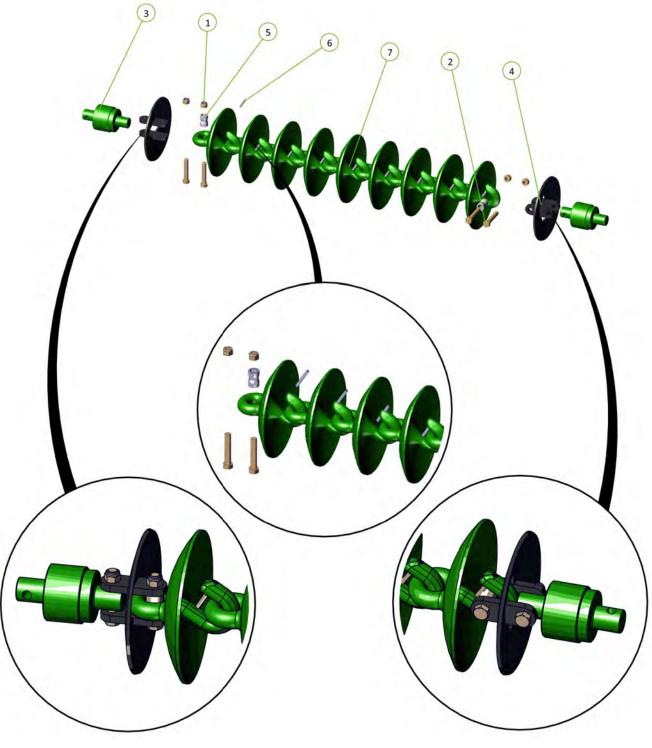
Section 5 - Chain Assembly



CL1 Disc Chain - unhook disc chain link/s from end of the disc chain

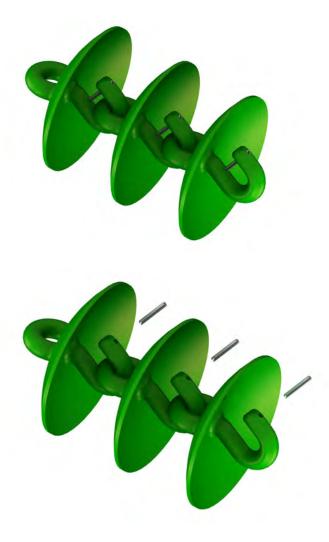
| Item No. | Description | Number |
|----------|---|--------------|
| 1 | Nyloc Nut M20 | 0221-NYL20 |
| 2 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST |
| 3 | 20mm Bolt Swivel Unit | 0802-PCHB55 |
| 4 | Tie Plate Disc 20mm | 0802-DCTP-20 |
| 5 | Disc Chain Spacer | 0801-253755 |
| 6 | Roll Pin Zinc Plated 3/8" x 2" | 0262-3-8X2 |
| 7 | CL1-B Chain Disc Link | 0803-CL1 |





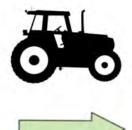
Fitting Cast Link Pins

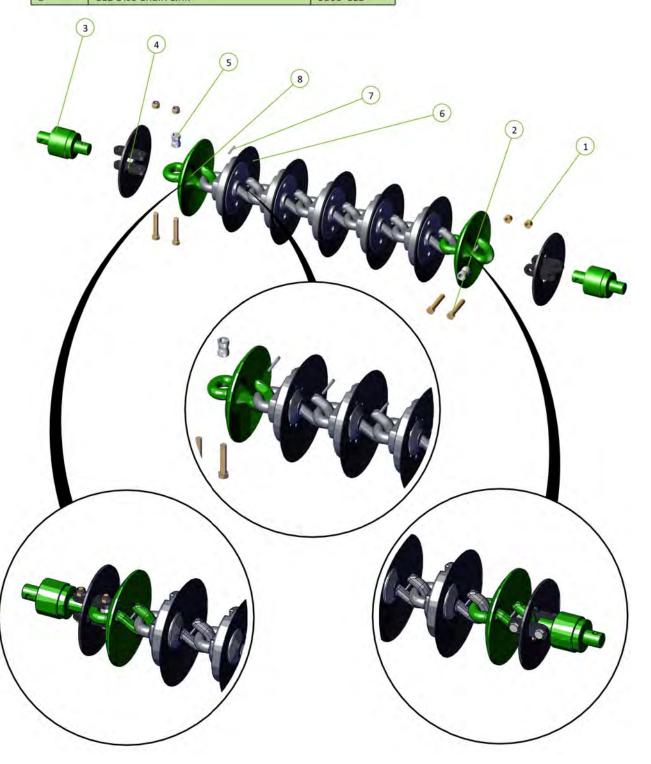
Please install cast link retaining Pins (3/8" x 3" Roll Pin, part number 0262-3-8X3) on all cast disc links. Failure to do this could lead to the discs becoming dislodged during transport causing severe damage or injury.

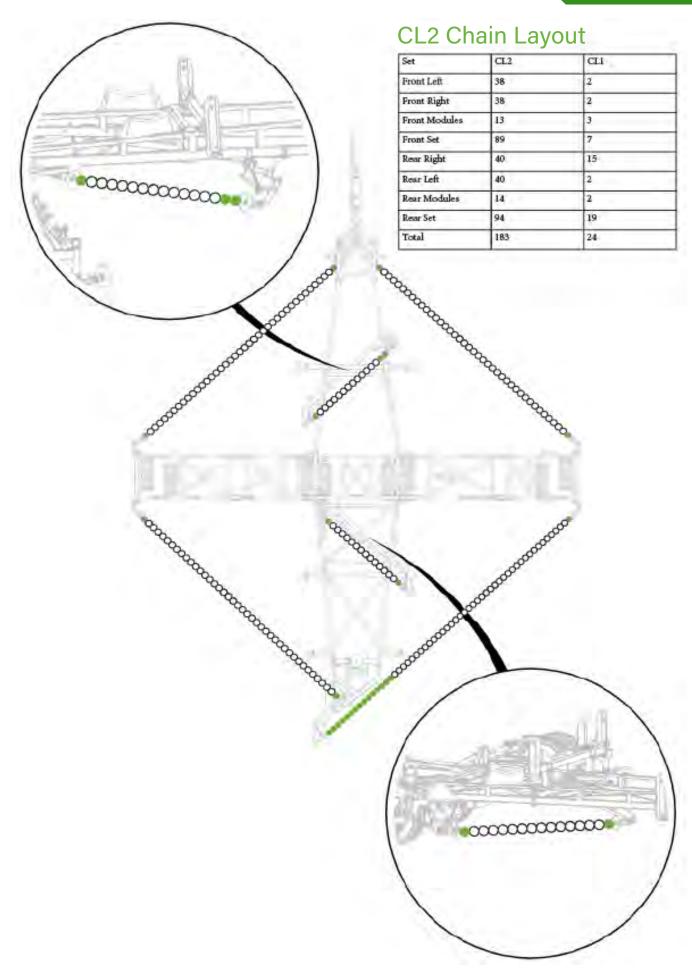


CL2 Disc Chain - unhook disc chain link/s from end of the disc chain

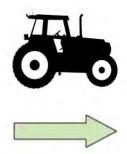
| Item No. | Description | Number |
|----------|---|--------------|
| 1 | Nyloc Nut M20 | 0221-NYL20 |
| 2 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST |
| 3 | 20mm Bolt Swivel Unit | 0802-PCHB55 |
| 4 | Tie Plate Disc 20mm | 0802-DCTP-20 |
| 5 | Disc Chain Spacer | 0801-253755 |
| 6 | CL2-Link Assembly | 0803-CL2 |
| 7 | Roll Pin Zinc Plated 3/8" x 2" | 0262-3-8X2 |
| 8 | CL1 Disc Chain Link | 0803-CL1 |



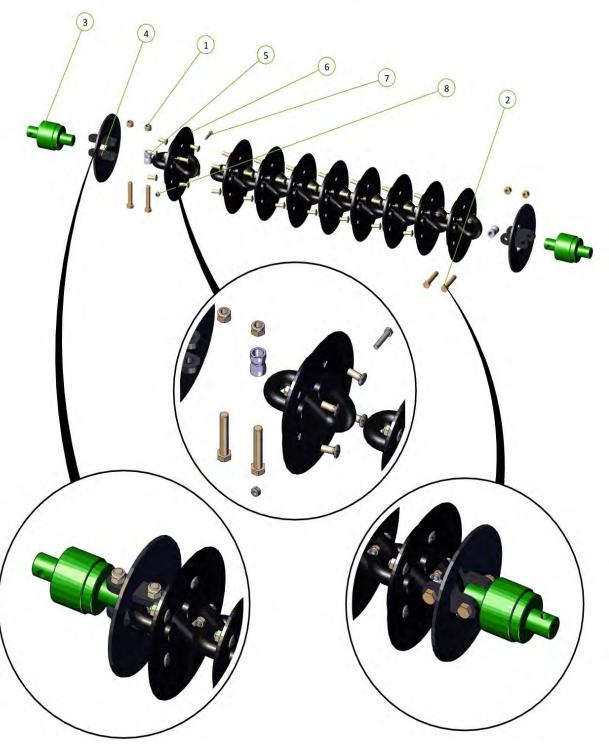


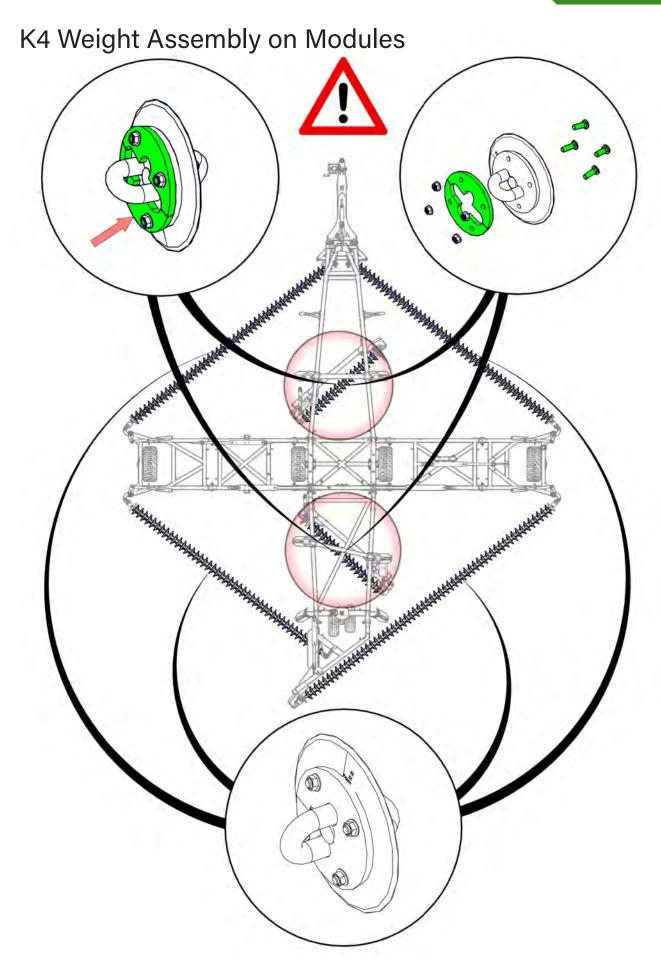


| Item No. | Description | Number | | |
|----------|---|--------------|--|--|
| 1 | Nyloc Nut M20 | 0221-NYL20 | | |
| 2 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST | | |
| 3 | 20mm Bolt Swivel Unit | 0802-PCHB55 | | |
| 4 | Tie Plate Disc 20mm | 0802-DCTP-20 | | |
| 5 | Disc Chain Spacer | 0801-253755 | | |
| 6 | K4 Disc Assembly | 0803-K4 | | |
| 7 | M12 x 55 Class 8.8 ZP Bolt | 0211-1255 | | |
| 8 | Nyloc Nut M12 | 0221-NYL12 | | |

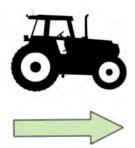


K4 Disc Chain - unhook disc chain link/s from end of the disc chain

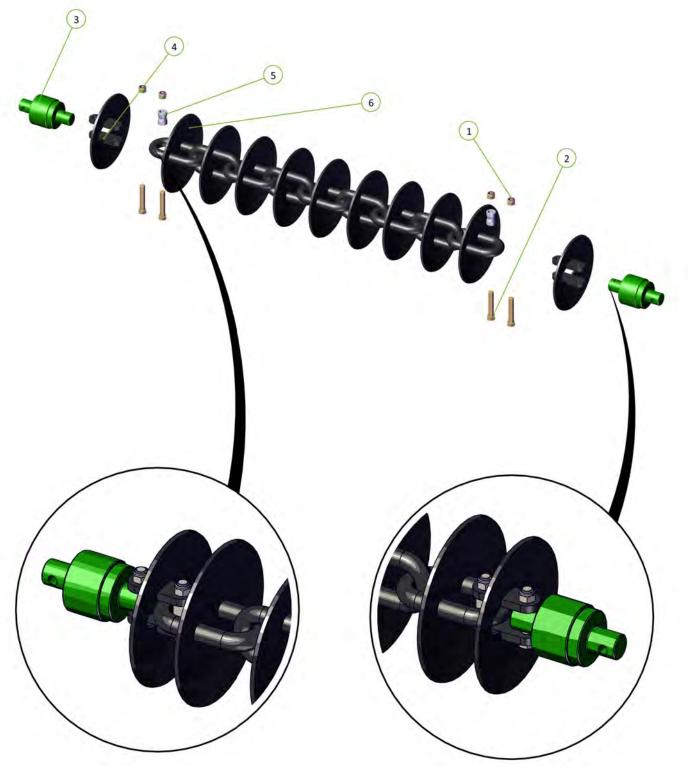




| Item No. | Description | Number | | |
|----------|---|--------------|--|--|
| 1 | Nyloc Nut M20 | 0221-NYL20 | | |
| 2 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST | | |
| 3 | 20mm Bolt Swivel Unit | 0802-PCHB55 | | |
| 4 | Tie Plate Disc 20mm | 0802-DCTP-20 | | |
| 5 | Disc Chain Spacer | 0801-253755 | | |
| 6 | W36/25 Chain Link | 0803-W36 | | |



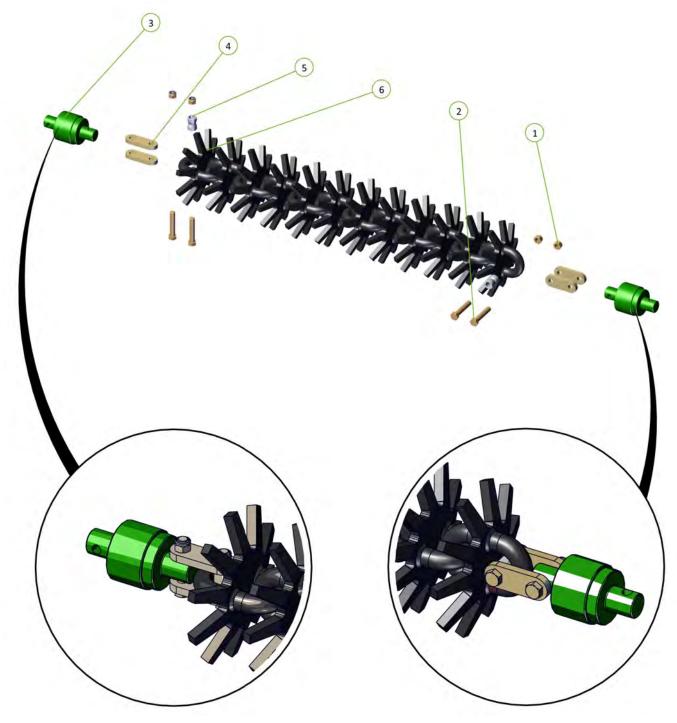
W36 Disc Chain - cut a disc chain link from the end of the disc chain



| Item No. | Description | Number | | |
|----------|---|--------------|--|--|
| 1 | Nyloc Nut M20 | 0221-NYL20 | | |
| 2 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST | | |
| 3 | 20mm Bolt Swivel Unit | 0802-PCHB55 | | |
| 4 | Tie Plate For 20mm Bolt | 0800-83.2 | | |
| 5 | Disc Chain Spacer | 0801-253755 | | |
| 6 | 10 Spike Disc Chain 49/27/5 | 0803-SD49 | | |



Spiked Disc Chain - cut a disc chain link from the end of the disc chain





Section 6 - Specifications

Wiring Diagram



/0343-924001261 1/2" BSPP 60 micron inline filter max flow 60L/M & 5000psi max pressure



Ó325-HG-PT24E25R Green 1/2" NPT Hydra Grip Pair (Extend /Ret)



Ó325-HG-PT25E25R Yellow 1/2" NPT Hydra Grip Pair (Extend /Ret)



Blue 1/2" NPT Hydra Grip Pair (Extend /Ret)



0323-S71-0812 1/2"BSPP O Ring Male - 3/4"JIC Female Adaptor



Ó323-S74-0812 1/2"BSPP O Ring Male - 3/4"JIC Male Adaptor



3/4"JIC Male - 3/4"JIC Female 90° Elbow



3/4"JIC Male - 3/4"UNO Male 90° Elbow



0323-S90-1212 3/4"JIC Male - 3/4"UNO Male Adaptor



3/4"JIC Male



3/4"JIC Male - 3/4"JIC Female - 3/4"JIC Male Tee



0323-588-1212 3/4"JIC Male - 3/4"UNO Male 45° Elbow



3/4"JIC Male - 3/4"JIC Female - 3/4"UNO Male Tee



3/4"JIC Male - 3/4"JIC Female - 3/4"JIC Female Tee



1/2" BSPP Quick Release Ball Coupling



3/4"JIC Male - 3/4"UNO Male Extended 90° Elbow



Part Number

Description

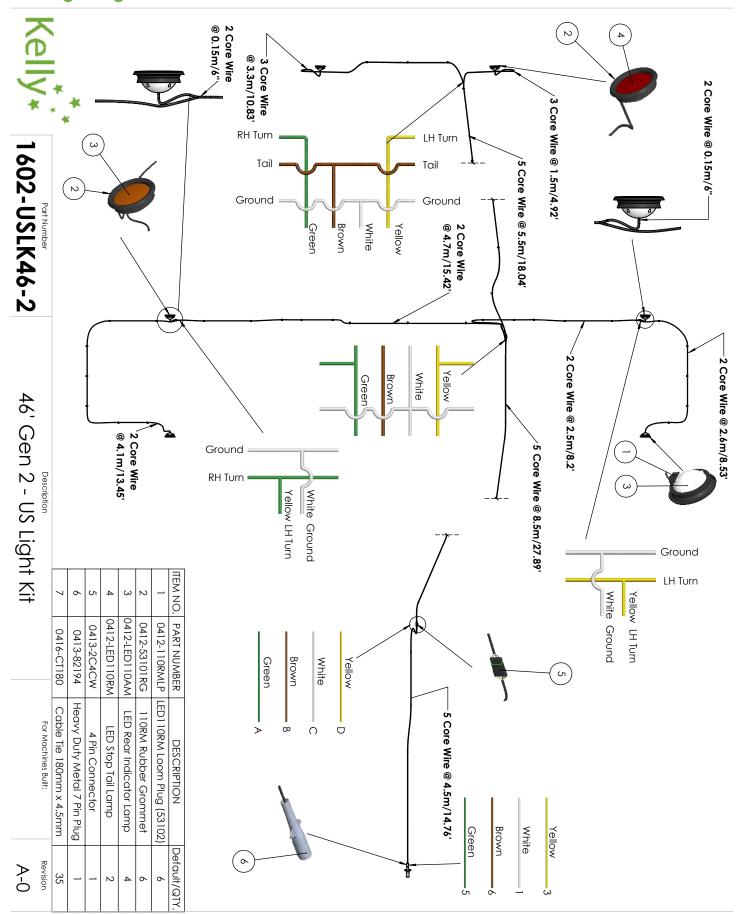
Hydraulic Fittings Parts Information

For Machines Built:

Revision

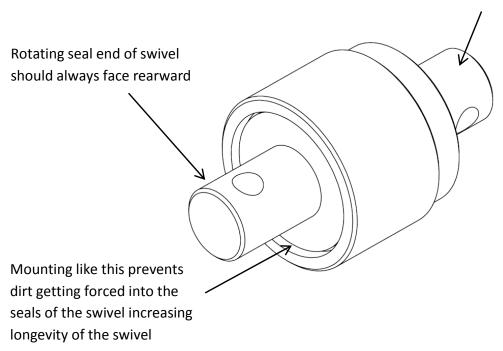
В

Wiring Diagram

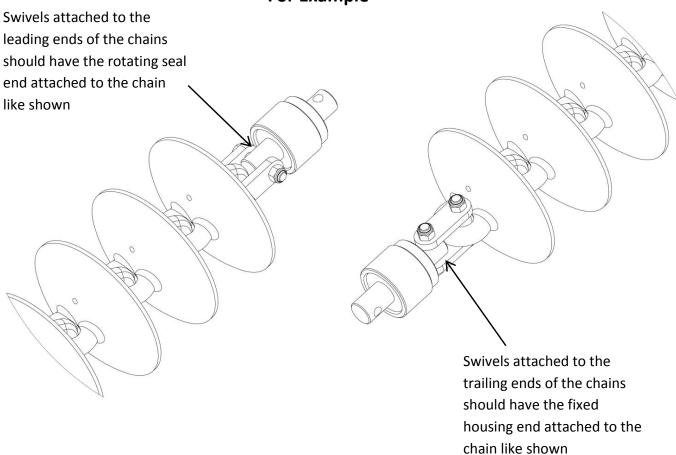


Mounting Swivels

Fixed housing end of swivel should always face forward



For Example



Operating speeds

| Recommended operating speeds in normal conditions with all chain types | | | | |
|--|-----------------------|--|--|--|
| Operating and working speeds | 6-10 Mph / 10-16 kmph | | | |
| Transporting / towing speed | 15 Mph / 25 kmph | | | |

Tyre pressure

| Tyre size | Ply | PSI | KPA |
|---------------|-----|-----|-----|
| 16.5L x 16.1 | 14 | 36 | 250 |
| H40 x 14.5-19 | 26 | 60 | 410 |
| 11L - 15 | 10 | 44 | 300 |
| 15.5/80/24 | 16 | 58 | 400 |
| 16.5/85/24 | 16 | 55 | 380 |
| 550/60/22.5 | 16 | 40 | 280 |
| 400/60/22.5 | 16 | 50 | 350 |
| 12.5/80/18 | 14 | 85 | 590 |
| 15.0/70/18 | 14 | 71 | 490 |

4614 specifications

| Model | 4614 |
|------------------|--------------|
| Working width | 45'9/13.97m |
| Transport width | 12'9/3.90m |
| Transport height | 12'10/3.93m |
| Transport length | 55'11/17.06m |

Disc Chain Lengths

| Model | | Length | CL2 | CL1 | K4 | W36 | R300 | SD49 | Prickle chain |
|-------|---------------|-----------------|---|-----|----|-----|------|------|---------------|
| | | | CL2 disc chain also requires CL1 disc chain | | | | | | |
| 4614 | Front right | 28.15' / 8.58m | CL2 - 38 CL1 - 2 | 53 | 54 | 50 | 69 | 69 | 95 |
| | Front left | 28.15' / 8.58m | CL2 - 38 CL1 - 2 | 53 | 54 | 50 | 69 | 69 | 95 |
| | Rear right | 36.99' / 10.97m | CL2 - 40 CL1 - 15 | 67 | 69 | 64 | 88 | 88 | 122 |
| | Rear left | 29.23' / 8.91m | CL2 - 40 CL1 - 2 | 54 | 56 | 52 | 71 | 71 | 99 |
| | Modules front | 11.02' / 3.36m | CL2 - 13 CL1 - 3 | 20 | 21 | 20 | 27 | 27 | 37 |
| | Modules rear | 10.99' / 3.35m | CL2 - 14 CL1 - 2 | 20 | 21 | 20 | 27 | 27 | 37 |

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 K4 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 SD49 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 R300 Disc Chain - cut a disc chain link from the end of the disc chain

Scan the following QR code to open the removing a welded disc chain video





Section 7 - Operation

Basic Operation

Unfolding:

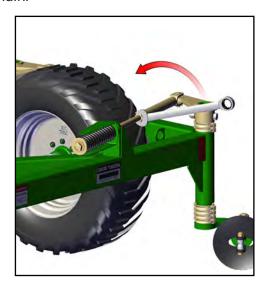
- 1. Walk around and inspect the machine.
 - a. Check that chains are not hooked on framework
 - b. Check swivel units are in place and not broken
 - c. Check that height adjusting chains have not fallen out of their slotted plates during transport.
 - d. Ensure front lift cylinder depth stops are fully engaged on cylinder shaft.
- 2. Lower front A frame to working height.
- 3. 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)
- 4. Lower rear tail by holding hydraulic lever until tail and modules are completely lowered to working position.
- 5. Walk around and check that all chain links are straight and that working height of all swivels is correct for field conditions. Adjust if neccessary.
- 6. Move off with all chains in working position. If neccessary it is acceptabe to raise front A frame to transport height. This will lift the front chains off the ground and reduce the load on the tractor. Lower the front A frame once moving satisfactorily.

Folding:

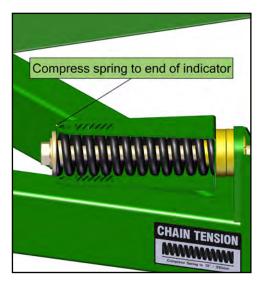
- 1. Lower the front A frame at working height. (This is important to ensure that all chains locate correctly in their transport rests).
- 2. Raise the Rear Tail and modules by holding the hydraulic lever until they come to a complete stop.
- 3. Fold the wings. They should move as follows; main center 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.

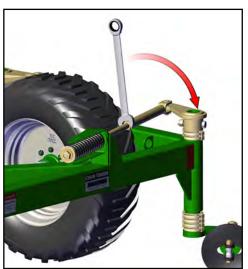
Chain Tension - Wings

- Use the spanner supplied to loosen the lock nut adjacent to the tensioner assembly body.
- Turn the module tension rod clockwise to compress the coil spring to 330mm. Correct tension is achieved when spring retains its set length when operator rolls the chain fore and aft on the ground.
- Retighten the lock nut.
- When less than 25mm of thread remains visible on the adjustor bolt then a link must be removed from the chain.









Spring Compression Length

Compress spring to 12.4" (330mm)

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

Chain Tension - Modules

- 1. Loosen the lock nut on the draw bolt.
- 2. Tighten the adjusting nut clockwise until the outer face of the spring retaining washer is pushed with the body of the module tensioning unit.
- 3. Retighten the lock nut.
- 4. If more than 8" (200mm) of thread is exposed then a link should be removed to maintain correct adjustment.





Importance of chain tension

Operational

Chain tension is critical to achieve a smooth and level seedbed. A correctly tensioned, monitored and maintained chain will deliver the results you need. Incorrect chain tension can lead to:

- Uneven results across the cut width of the machine
- Uneven weed control
- Unsatisfactory incorporation
- Ineffective levelling
- Accelerated or premature chain link wear (not covered by warranty)
- Chains failing to engage with transport locator's when folded
- Machine damage when folding or unfolding
- Uneven field surface with ridges and furrows being created.

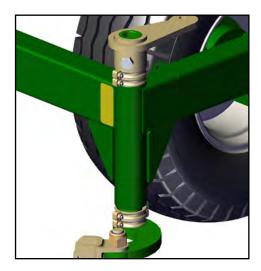
A correctly adjusted machine will not cause this problem.

Correct Chain Height Adjustment

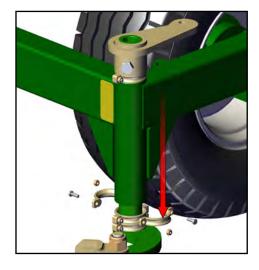
To adjust the swivel height at the wings, relocate one of the spacers either above or below the fixed mounting tube. Each Dropleg has four pairs of 0.98" / 25mm cast spacers. The most common set up is to have two pairs of cast spacers on the bottom and two pairs of cast spacers on the top. Below is the process to adjust the Dropleg height.

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











Notes







