

Thank you for choosing a Kelly Engineering 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 Engineering Australia or in the United States, Hood & Company.

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

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Spare Parts Hood & Company Inc Springfield MO

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Email: hoodco@hoodco.com

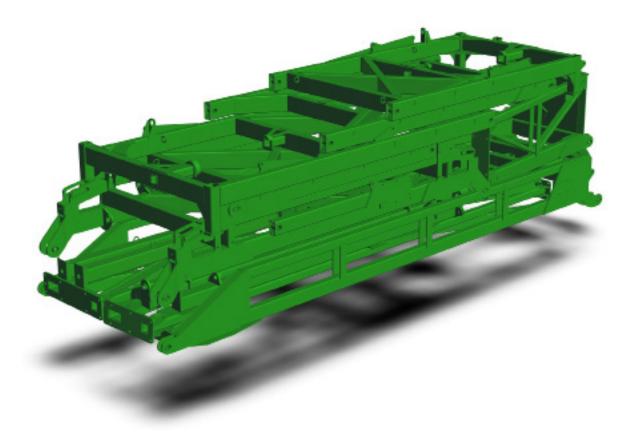
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This symbol indicates which bag the relevant fastners are in

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.



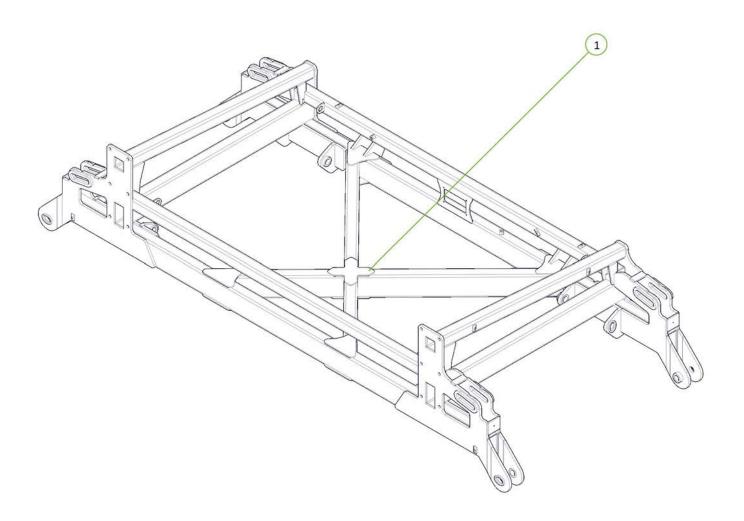
CAUTION

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 2600 lbs (1200 kg)
- Cut straps holding bundles and separate parts and place in assembly area
- 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
- Once all parts have been identified machines are ready for assembly
- · Read assembly instructions before proceeding.

Section 2 Parts & Assembly

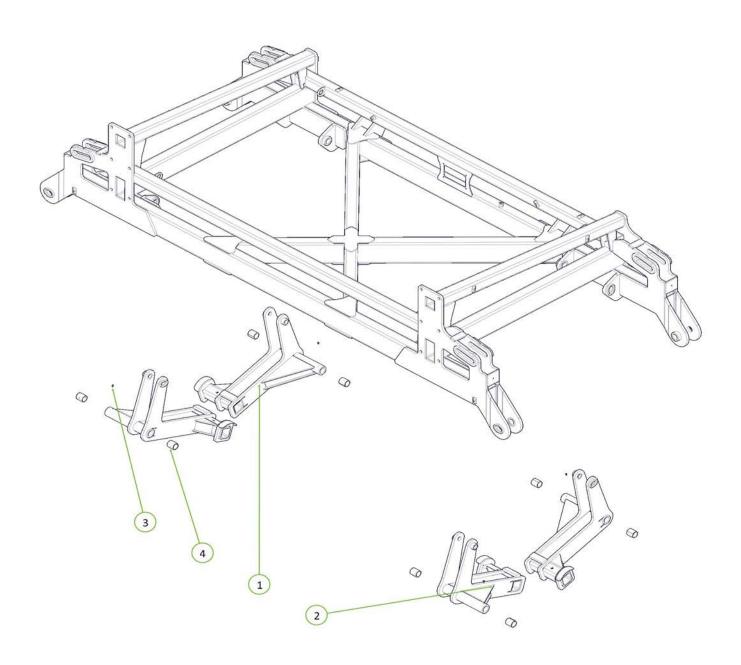
| Item No. | Description | Qty | Number |
|----------|--------------------|-----|---------|
| 1 | 62HDX Centre Frame | 1 | 1265-01 |



| Item No. | Description | Qty | Number |
|----------|------------------------|-----|----------------|
| 1 | RH Walking Axle Arm | 2 | 1210-50 |
| 2 | LH Walking Axle Arm | 2 | 1210-51 |
| 3 | Grease Nipple 1/4" UNF | 4 | 0181-GN1-4 |
| 4 | 50 ID x 60mm DX Bush | 8 | 0113-MB 5060DX |

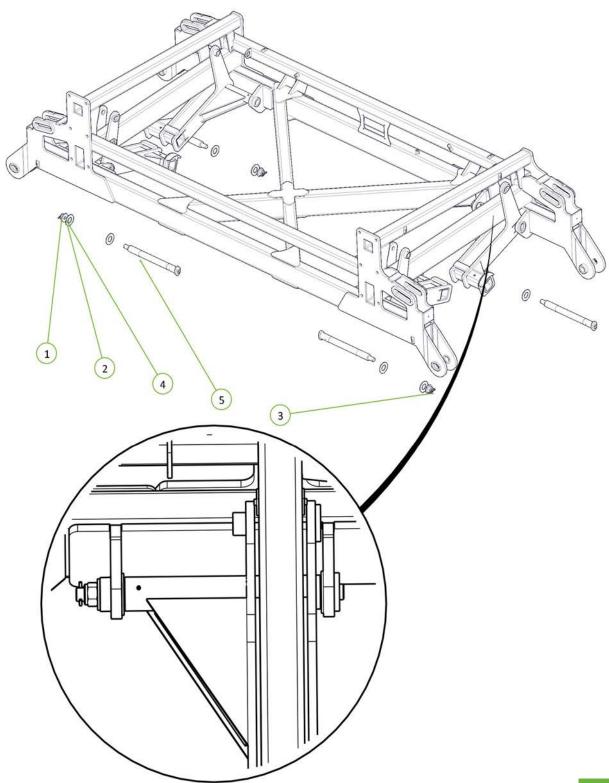
Please note - DX bushes are factory inserted





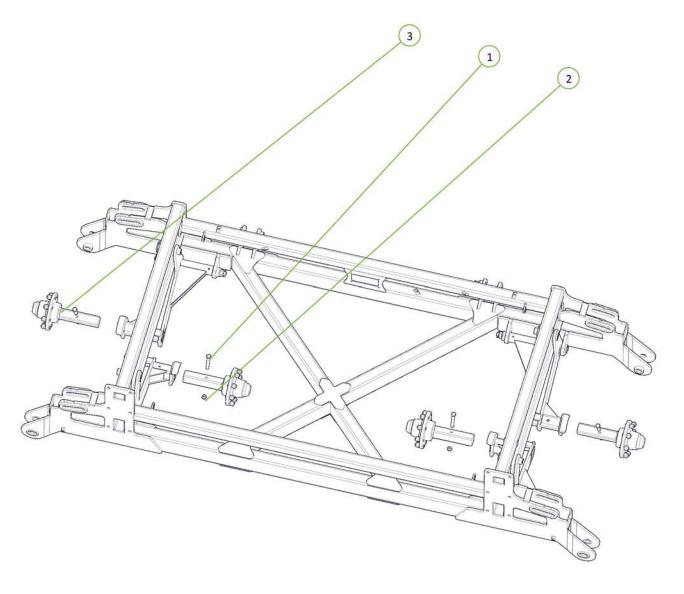
| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|--------------|
| 1 | Nyloc Nut M30 | 4 | 0221-NYL30 |
| 2 | Washer High Tensile 2" | 8 | 0232-HT2 |
| 3 | Cotter Pin M6 x 50mm | 4 | 0261-PINC650 |
| 4 | 50mm Pivot Pin Retaining Washer | 4 | 1200-60 |
| 5 | Oval Head 50mm Long Pivot Pin | 4 | 1202-08 |





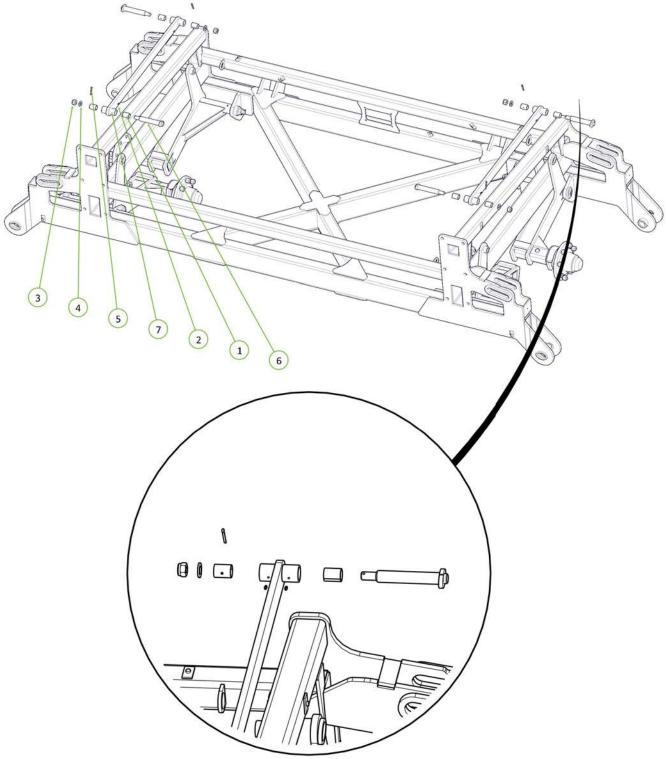
| Item No. | Description | Qty | Number |
|----------|---|-----|------------|
| 1 | M20 x 130 grade 8.8 ZP Bolt | 4 | 0211-20130 |
| 2 | Nyloc Nut M20 | 4 | 0221-NYL20 |
| 3 | 90 Series Stub Axle (Stub and Hub Complete) | 4 | 0733-90 |



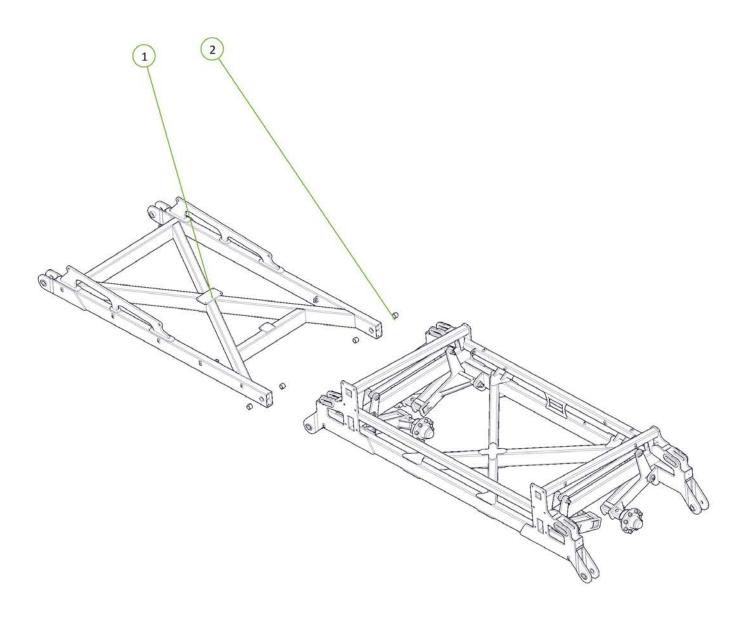


| Item No. | Description | Qty | Number | |
|----------|--------------------------|-----|----------------|--|
| 1 | 35 ID x 50mm DX Bush | 8 | 0113-MB 3550DX | |
| 2 | Grease Nipple 1/4" UNF | 8 | 0181-GN1-4 | |
| 3 | Nyloc Nut M24 | 4 | 0221-NYL24 | |
| 4 | Washer Flat M24 | 4 | 0231-F24 | |
| 5 | Cotter Pin M6 x 50mm | 4 | 0261-PINC650 | |
| 6 | Oval Head 35mm Pivot Pin | 4 | 1202-09 | |
| 7 | Walking Axle Linkage | 2 | 1210-52 | |



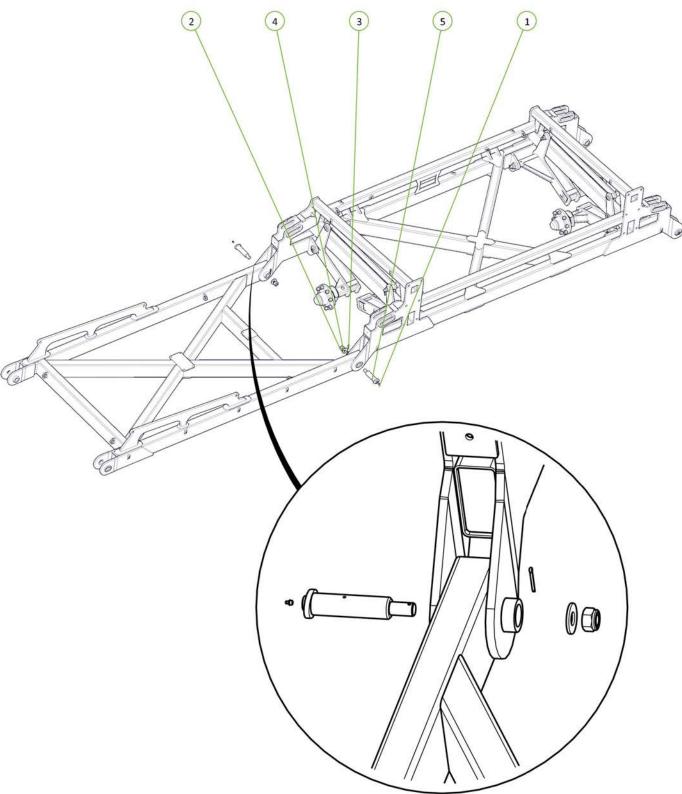


| Item No. | Description | Qty | Number |
|----------|---------------------------|-----|----------------|
| 1 | 62HDX RH Inner Wing Frame | 1 | 1265-04 |
| 2 | 50 ID x 40mm DX Bush | 4 | 0113-MB 5040DX |



| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|--------------|
| 1 | Grease Nipple 1/8" BSP | 2 | 0181-GN1-8 |
| 2 | Nyloc Nut M30 | 2 | 0221-NYL30 |
| 3 | Cotter Pin M6 x 50mm | 2 | 0261-PINC650 |
| 4 | 50mm Pivot Pin Retaining Washer | 2 | 1200-60 |
| 5 | Oval Head 50mm Short Pivot Pin | 2 | 1202-06 |





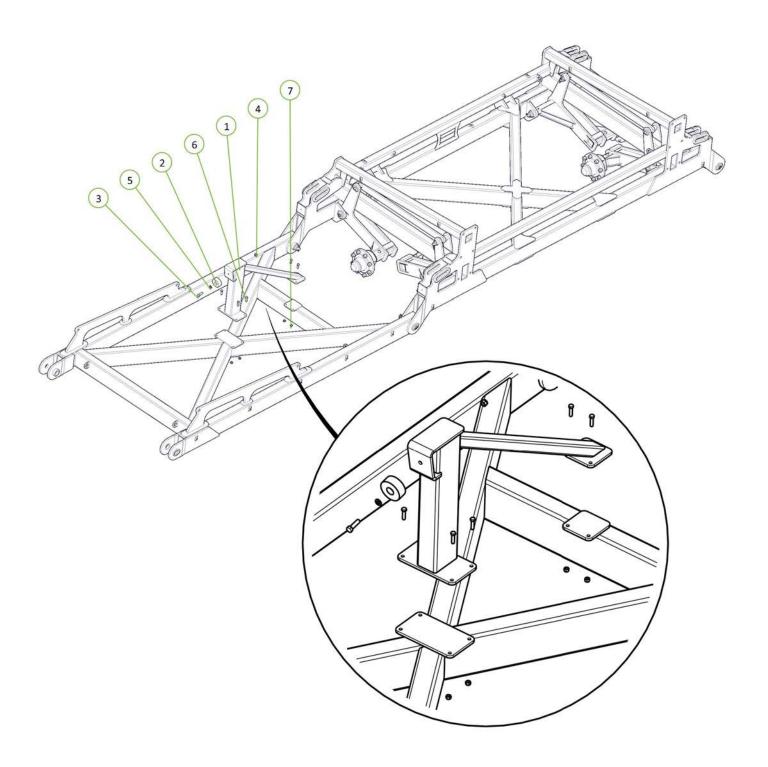
 Item No.
 Description
 Qty
 Number

 1
 62HDX Inner Wing Post
 1
 1265-04P

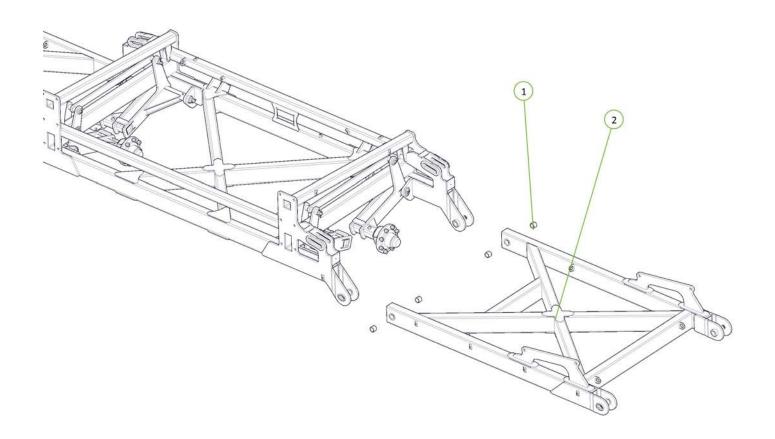
 2
 Wing Folding Buffer
 1
 1201-12

Wing Folding Buffer 1201-12 3 M16 x 55 grade 8.8 zp Bolt 0211-1655 4 Nyloc Nut M16 0221-NYL16 5 Washer Flat M16 1 0231-F16 6 M12 x 45 grade 8.8 ZP Bolt 6 0211-1245 Nyloc Nut M12 6 0221-NYL12



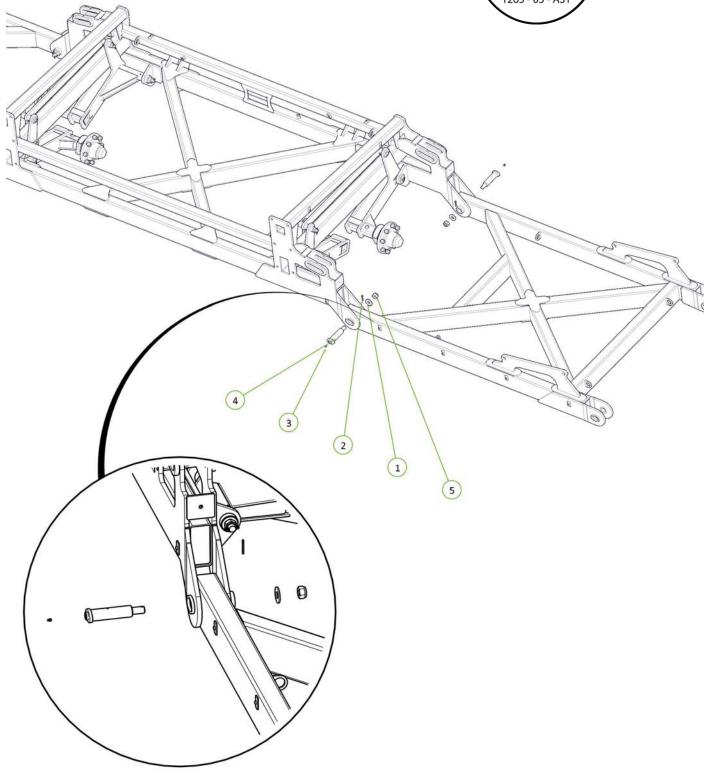


| Item No. | Description | Qty | Number |
|----------|----------------------|------------------|---------|
| 1 | 50 ID x 40mm DX Bush | Bush 4 0113-MB 5 | |
| 2 | 62HDX LH Inner Wing | 1 | 1265-05 |

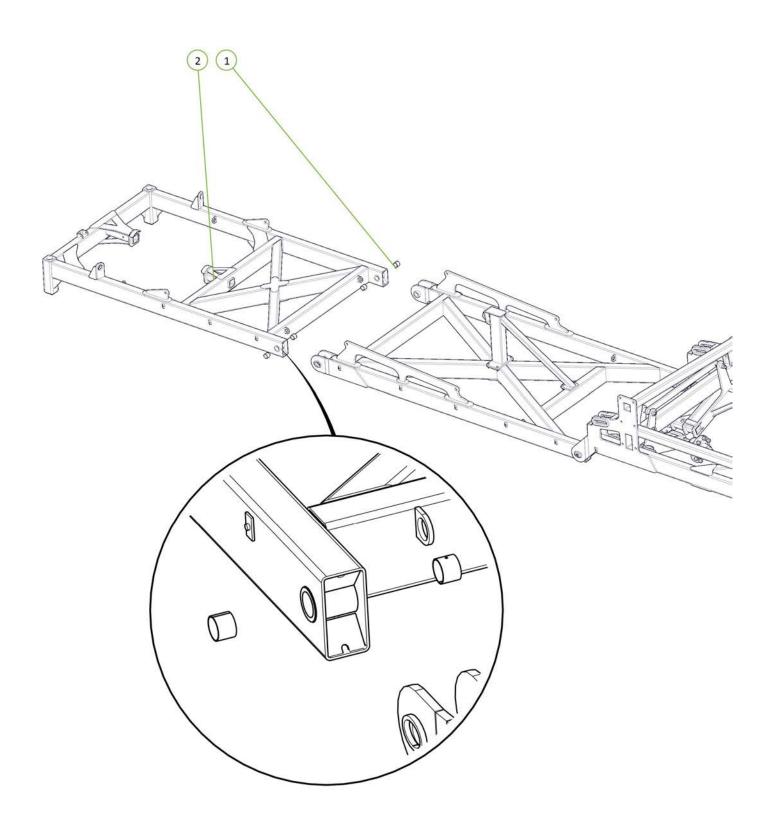


| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|--------------|
| 1 | 50mm Pivot Pin Retaining Washer | 2 | 1200-60 |
| 2 | Cotter Pin M6 x 50mm | 2 | 0261-PINC650 |
| 3 | Grease Nipple 1/8" BSP | 2 | 0181-GN1-8 |
| 4 | Oval Head 50mm Short Pivot Pin | 2 | 1202-06 |
| 5 | Nyloc Nut M30 | 2 | 0221-NYL30 |



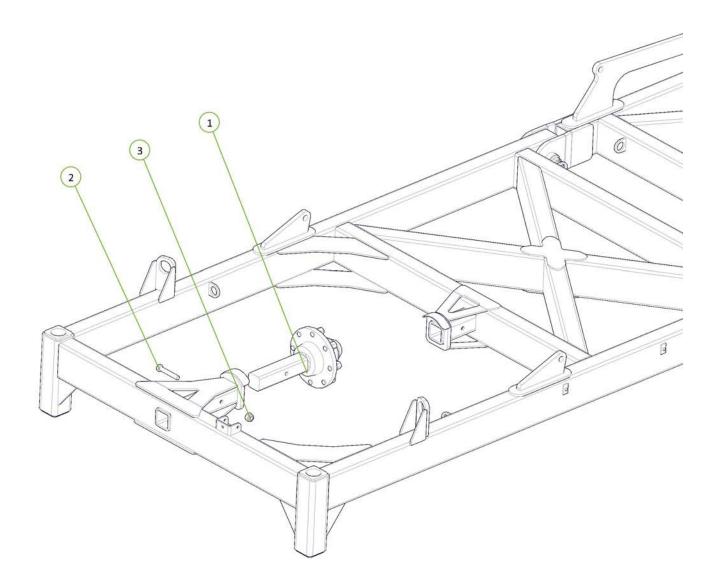


| Item No. | Description | Qty | Number |
|----------|----------------------|-----|----------------|
| 1 | 50 ID x 40mm DX Bush | 4 | 0113-MB 5040DX |
| 2 | 62HDX RH Outer Wing | 1 | 1265-06 |



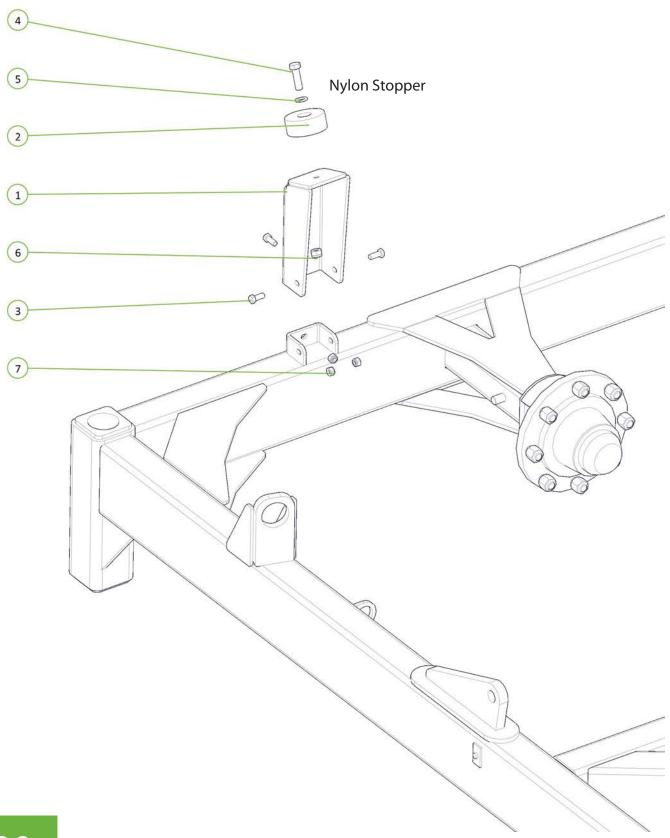
| Item No. | Description | Qty | Number |
|----------|---|-----|------------|
| 1 | 90 Series Stub Axle (Stub and Hub Complete) | 1 | 0733-90 |
| 2 | M20 x 130 grade 8.8 ZP Bolt | 1 | 0211-20130 |
| 3 | Nyloc Nut M20 | 1 | 0221-NYL20 |



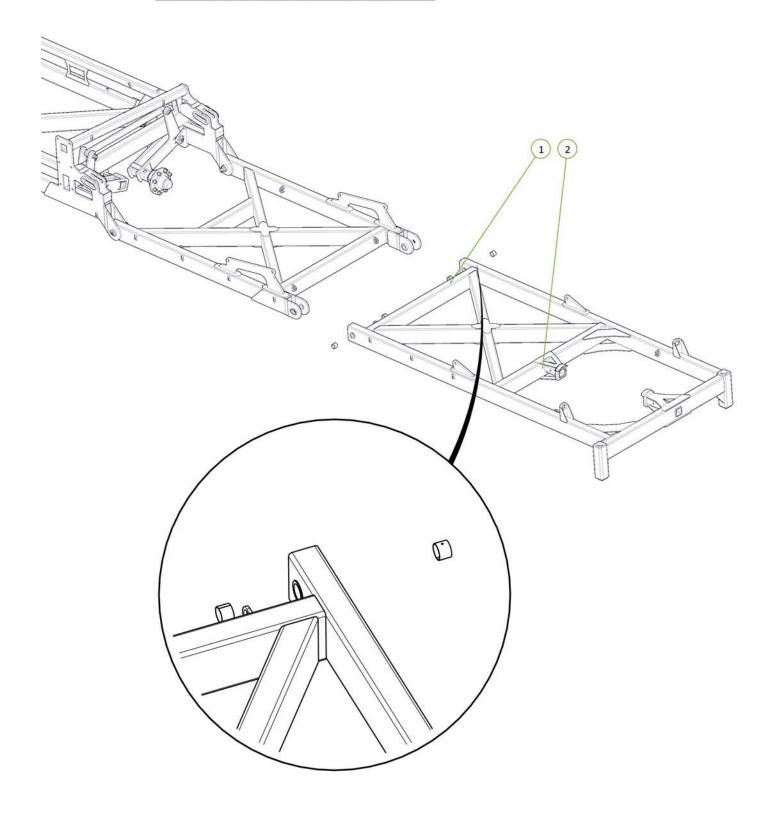


| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------|
| 1 | 65' Outer Wing Post | 1 | 1200-154 |
| 2 | Wing Folding Buffer | 1 | 1201-12 |
| 3 | M12 x 30 grade 8.8 ZP Bolt | 3 | 0211-1230 |
| 4 | M16 x 55 grade 8.8 zp Bolt | 1 | 0211-1655 |
| 5 | Washer Flat M16 | 1 | 0231-F16 |
| 6 | Nyloc Nut M16 | 1 | 0221-NYL16 |
| 7 | Nyloc Nut M12 | 3 | 0221-NYL12 |

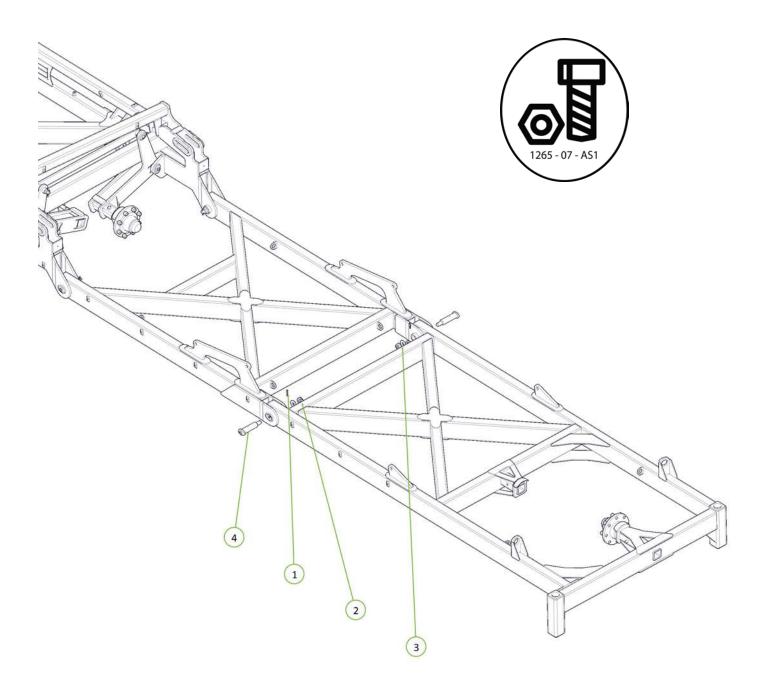




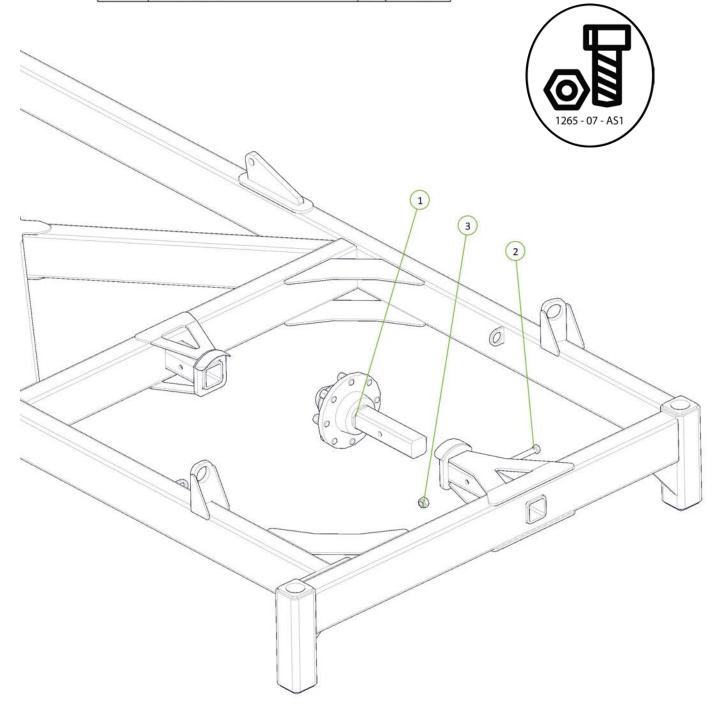
| Item No. | Description | Qty | Number |
|----------|----------------------|-----|----------------|
| 1 | 50 ID x 40mm DX Bush | 4 | 0113-MB 5040DX |
| 2 | 62HDX LH Outer Wing | 1 | 1265-07 |



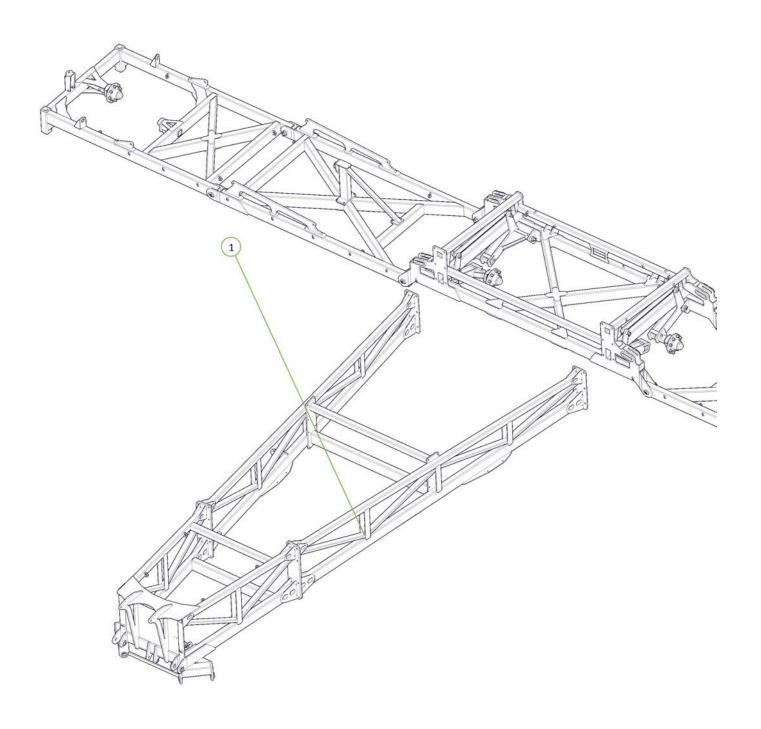
| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|--------------|
| 1 | Cotter Pin M6 x 50mm | 2 | 0261-PINC650 |
| 2 | Nyloc Nut M30 | 2 | 0221-NYL30 |
| 3 | 50mm Pivot Pin Retaining Washer | 2 | 1200-60 |
| 4 | Oval Head 50mm Short Pivot Pin | 2 | 1202.06A |

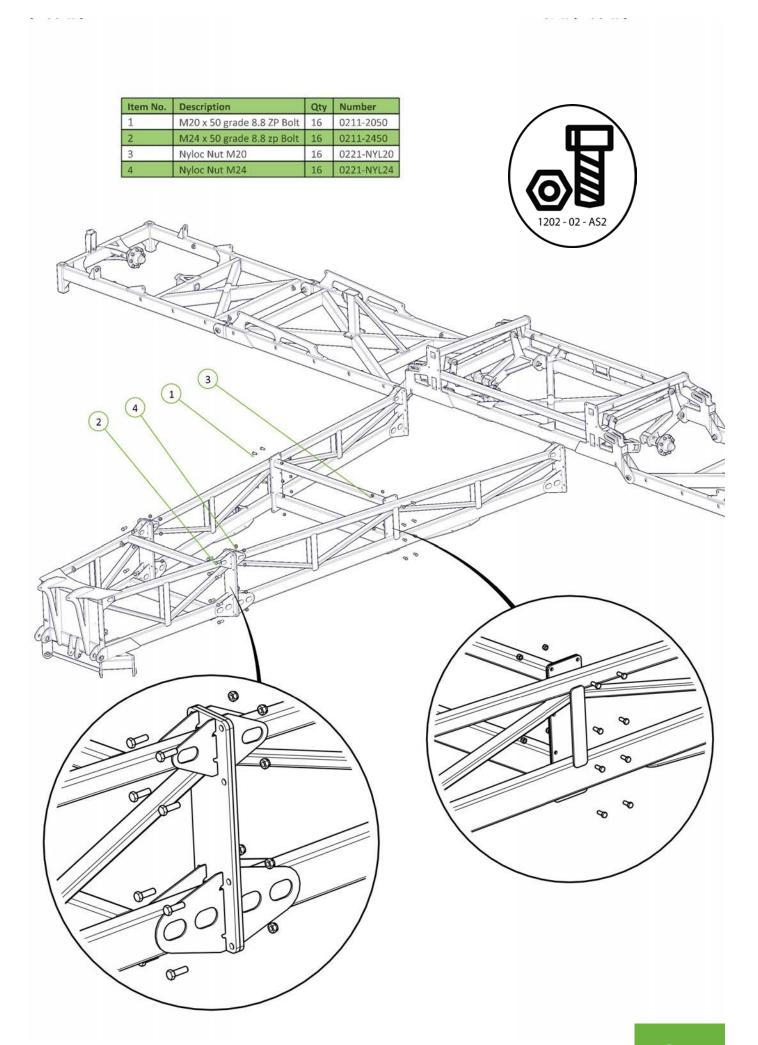


| Item No. | Description | Qty | Number |
|----------|---|-----|------------|
| 1 | 90 Series Stub Axle (Stub and Hub Complete) | 1 | 0733-90 |
| 2 | M20 x 130 grade 8.8 ZP Bolt | 1 | 0211-20130 |
| 3 | Nyloc Nut M20 | 1 | 0221-NYL20 |

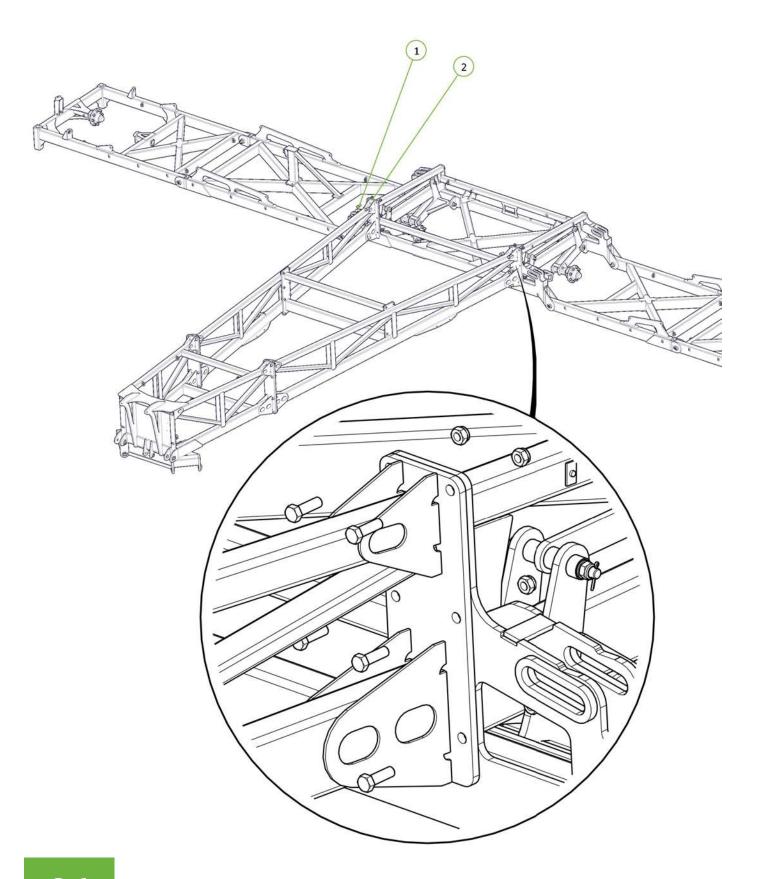


| Item No. | Description | Qty | Number |
|----------|---------------------|-----|---------|
| 1 | 62HDX Front A-Frame | 1 | 1265-02 |



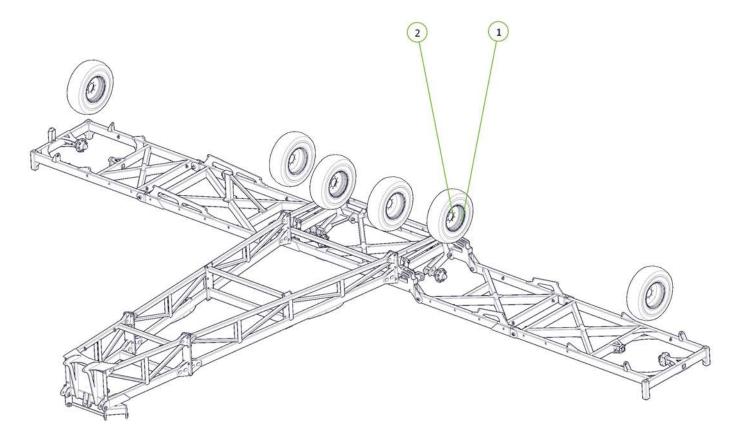


| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------|
| 1 | M24 x 75 grade 8.8 zp Bolt | 12 | 0211-2475 |
| 2 | Nyloc Nut M24 | 12 | 0221-NYL24 |

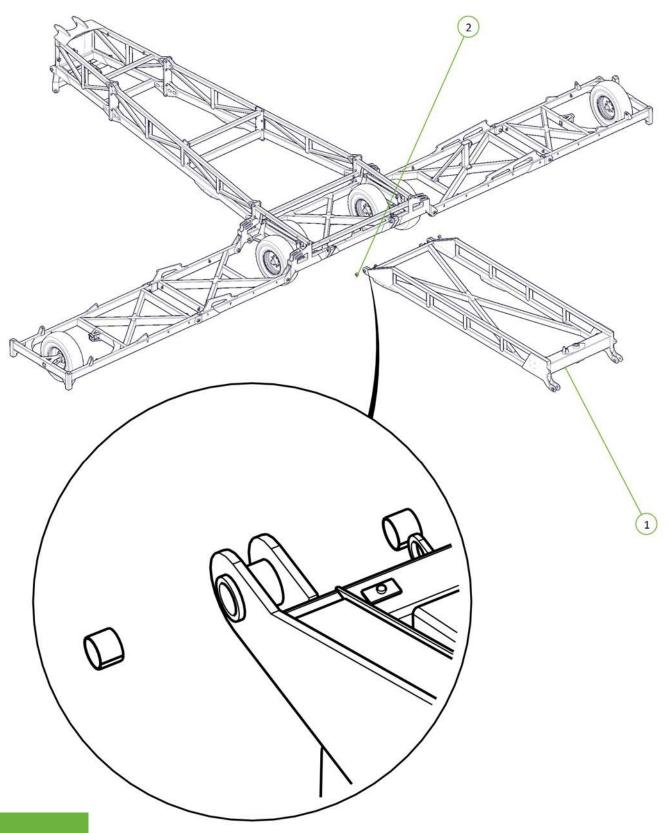


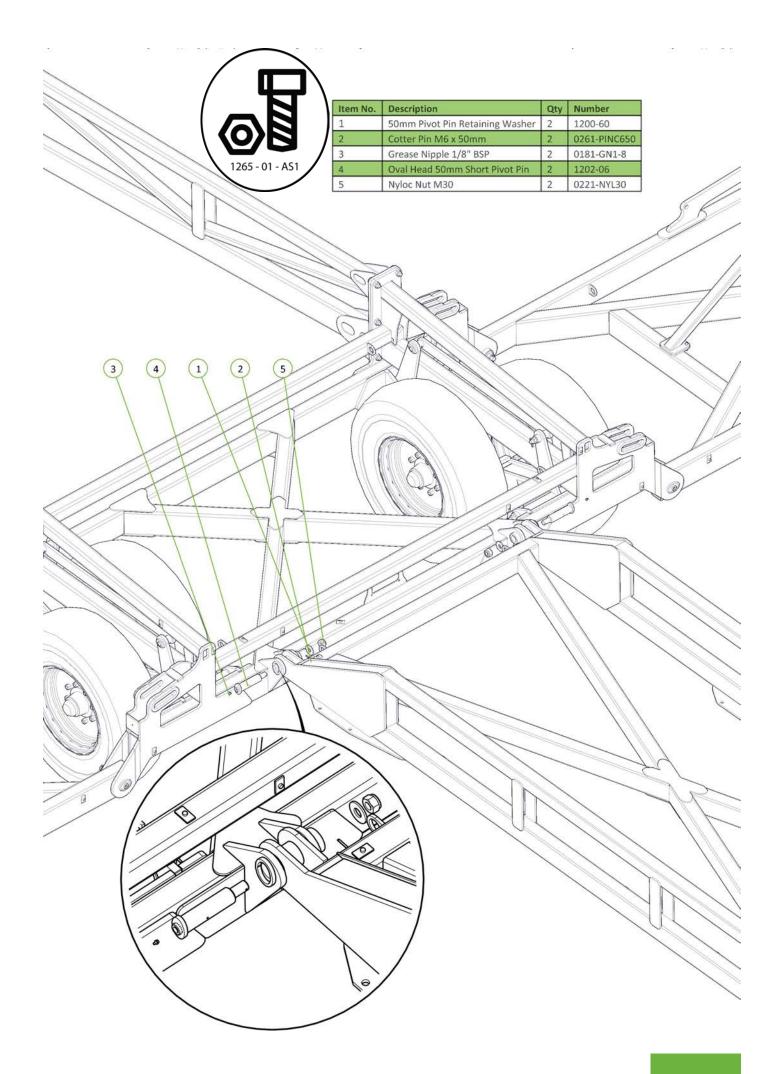
| Item No. | Description | Qty | Number |
|----------|---|-----|-----------------|
| 1 | Tyre Only 15.5/80-24 16 PLY AS504 | 6 | 0711-15.5-80-24 |
| 2 | Rim Only 24"Diameter 12"Wide, 8 on 275 PCD, 221mm Bore,+20 Offset | 6 | 0721-24X12 |





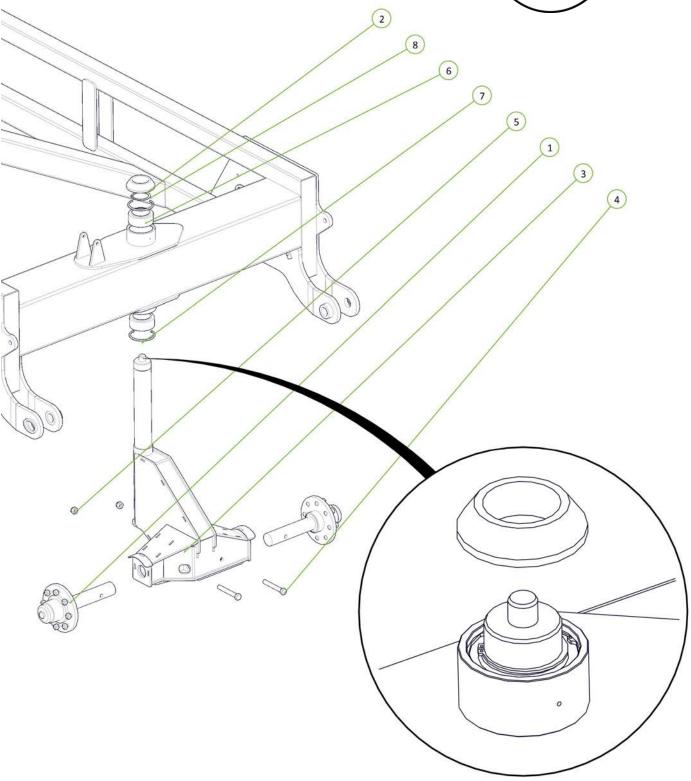
| Item No. | Description | Qty | Number |
|----------|----------------------|-----|----------------|
| 1 | 62'HDX Rear A-Frame | 1 | 1265-03 |
| 2 | 50 ID x 40mm DX Bush | 4 | 0113-MB 5040DX |

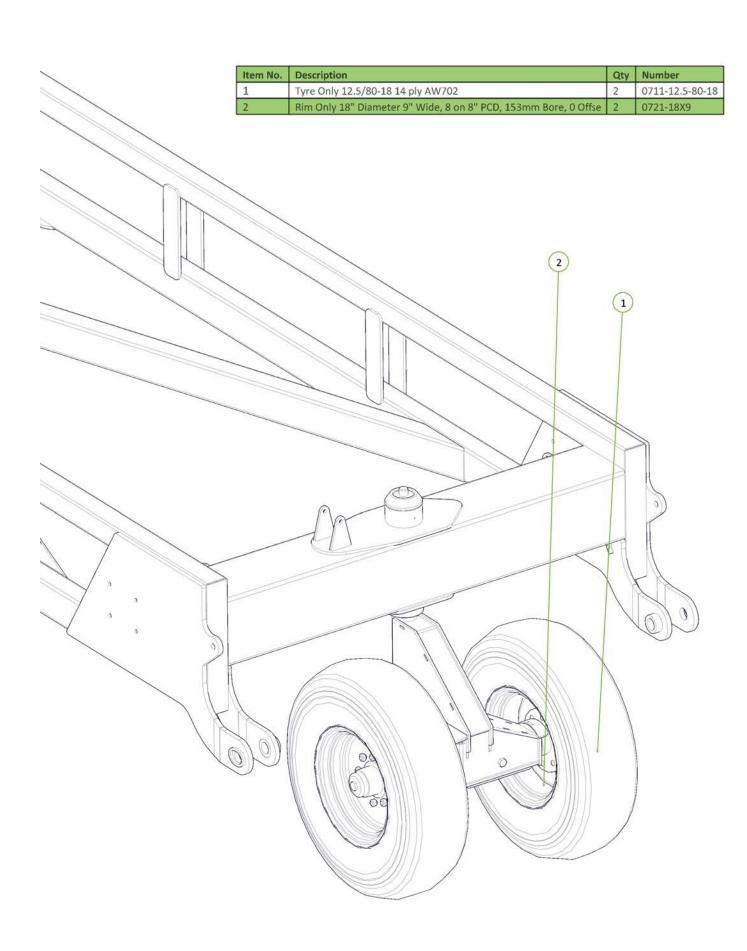


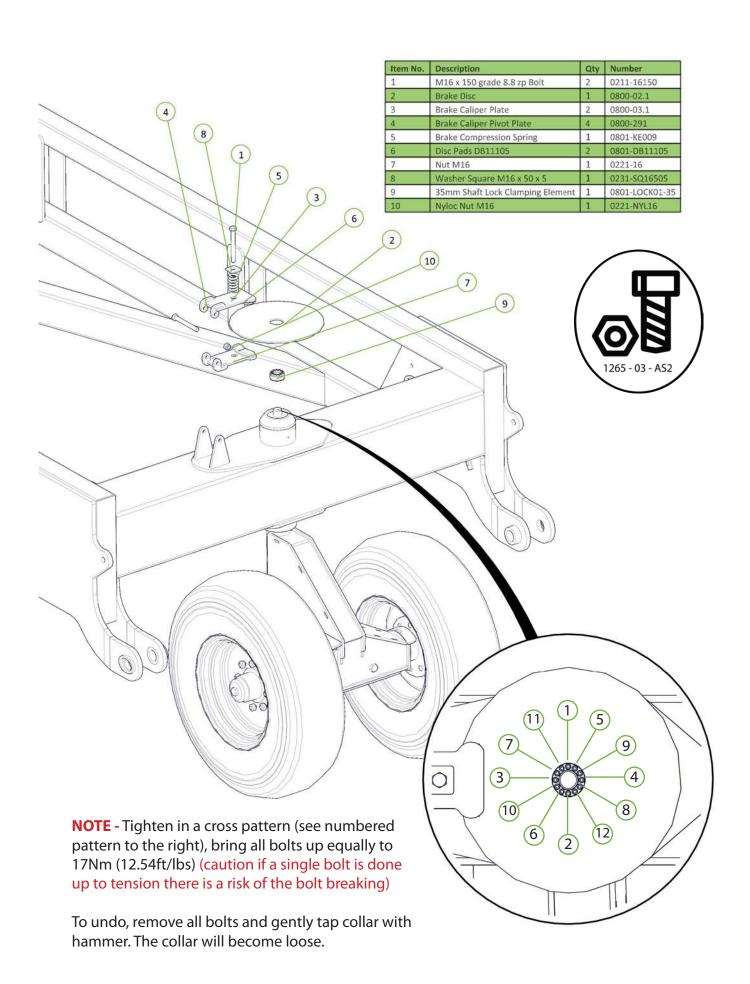


| Item No. | Description | Qty | Number |
|----------|----------------------------------|-----|------------------|
| 1 | 2.75"R 6 Tonne 8 on 8" PCH Hub | 2 | 0733-SH27596880 |
| 2 | 90mm Nylon Jockey Wheel Dust Cap | 1 | 1201-43 |
| 3 | Heavy Duty Jockey Wheel | 1 | 1210-80 |
| 4 | M20 x 150 grade 8.8 ZP Bolt | 2 | 0211-20140 |
| 5 | Nyloc Nut M20 | 2 | 0221-NYL20 |
| 6 | Plain Spherical Bearing 90mm | 2 | 0113-GE90DO-2RSP |
| 7 | Circlip Internal 130mm | 2 | 0171-J130 |
| 8 | Circlip External 90mm | 1 | 0172-D1400-90 |

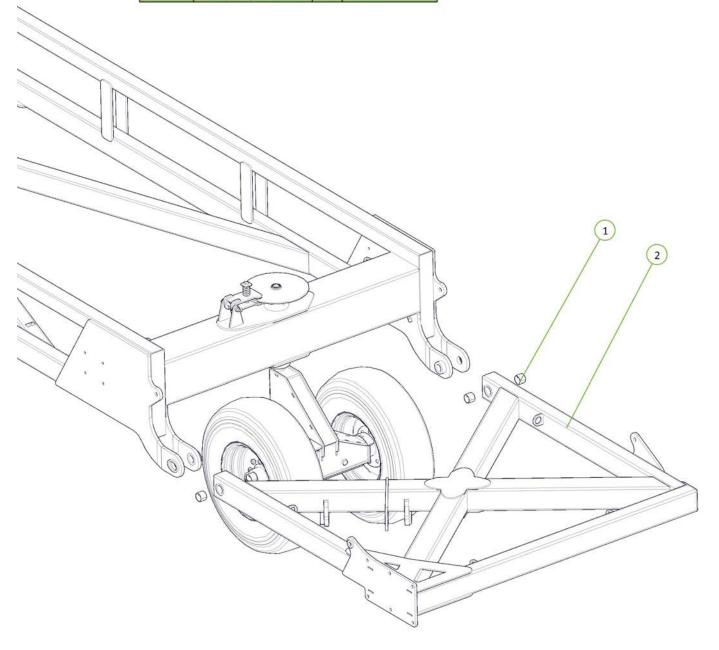


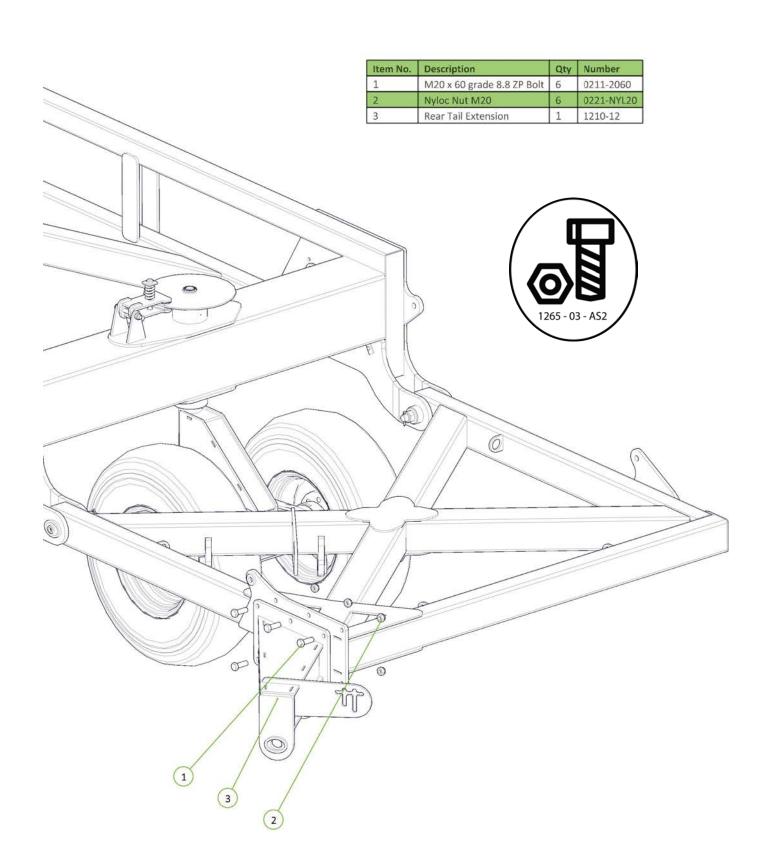


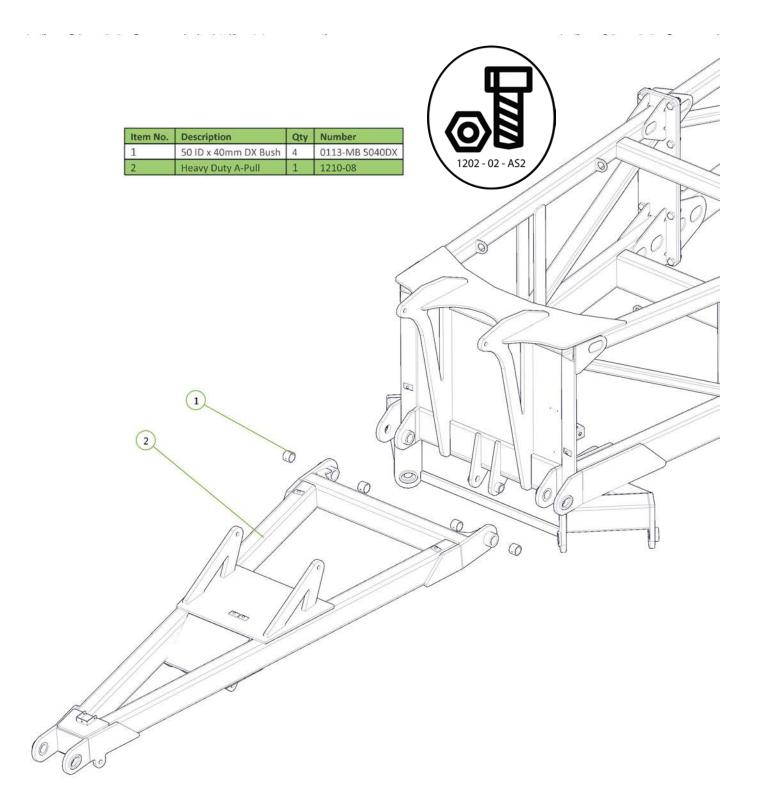




| Item No. | Description | Qty | Number |
|----------|----------------------|-----|----------------|
| 1 | 50 ID x 40mm DX Bush | 4 | 0113-MB 5040DX |
| 2 | Heavy Duty Rear Tail | 1 | 1210-10 |





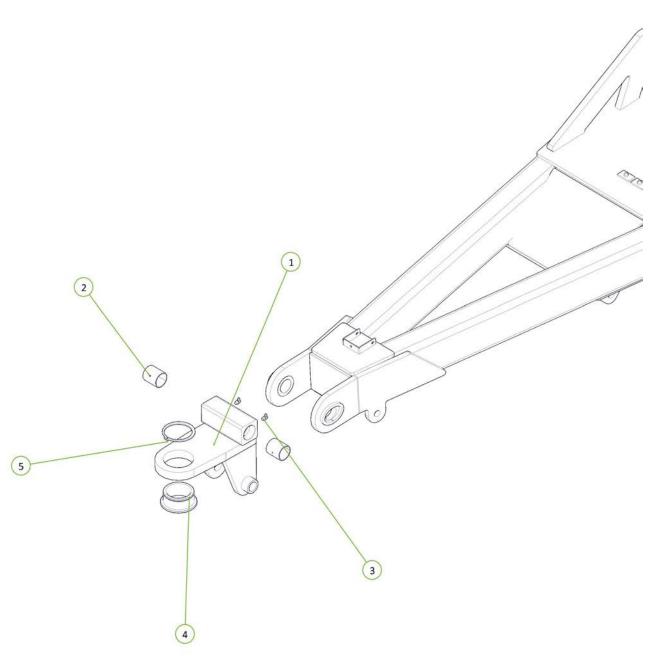


| Item No. |
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| 50 N St. | March State Co. | 5280 | 1.64 |
|----------|--------------------------|------|--------------------|
| Item No. | Description | Qty | Number |
| | Hoavy Duty Drawbar Hitch | 1000 | Curvers to take or |

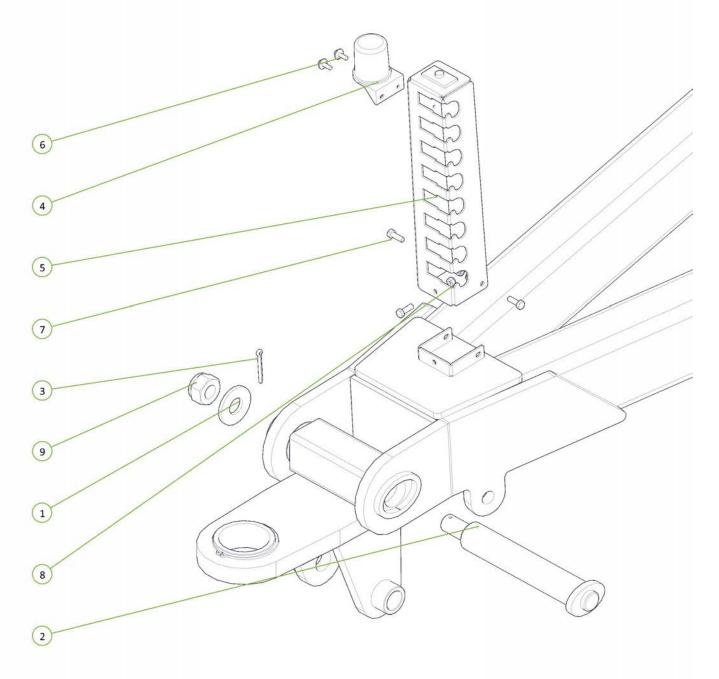
| 1 | Heavy Duty Drawbar Hitch | 1 | 1210-09 |
|---|-------------------------------|---|------------------|
| 2 | 50 ID x 60mm DX Bush | 2 | 0113-MB 5060DX |
| 3 | Grease Nipple 1/8" BSP 90 deg | 2 | 0181-GN1-890 |
| 4 | 2 3/4" Tow Hitch Bush | 1 | 0801-KE-0905-1-D |
| 5 | Circlin External 105mm | 1 | 0172-1400-105 |





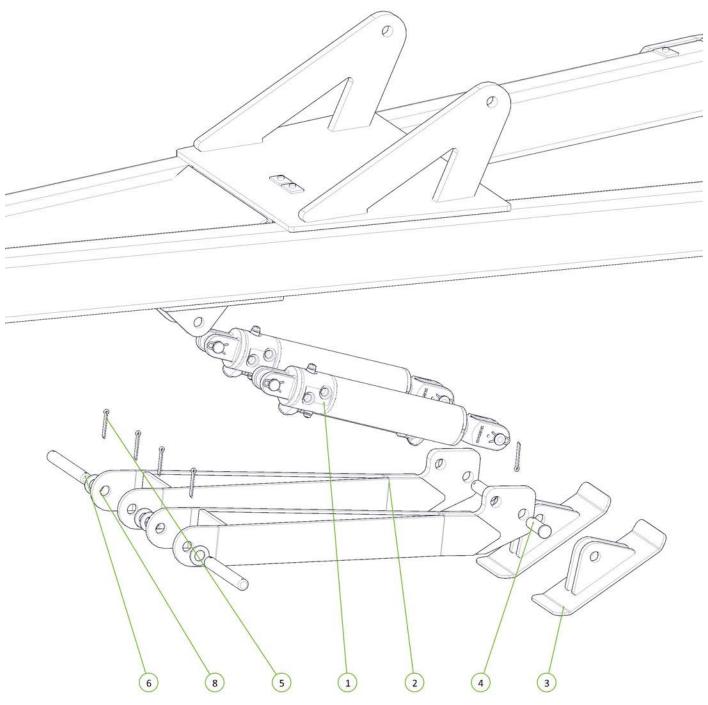
| Item No. | Description | Qty | Number |
|----------|------------------------------------|-----|-----------------|
| 1 | 50mm Pivot Pin Retaining Washer | 1 | 1200-60 |
| 2 | 50mm Tow Hitch Pivot Pin | 1 | 1202-11 |
| 3 | Cotter Pin M6 x 50mm | 1 | 0261-PINC650 |
| 4 | Electrical Plug Keeper | 1 | 0416-11750B |
| 5 | Hose Post | 1 | 0810-151 |
| 6 | M6 x 20 Trilobe Self Tapping Screw | 2 | 0211-M620MZPHTF |
| 7 | M8 x 25 grade 8.8 ZP Bolt | 3 | 0211-825 |
| 8 | Nyloc Nut M8 | 3 | 0221-NYL8 |
| 9 | Nyloc Nut M30 | 1 | 0221-NYL30 |





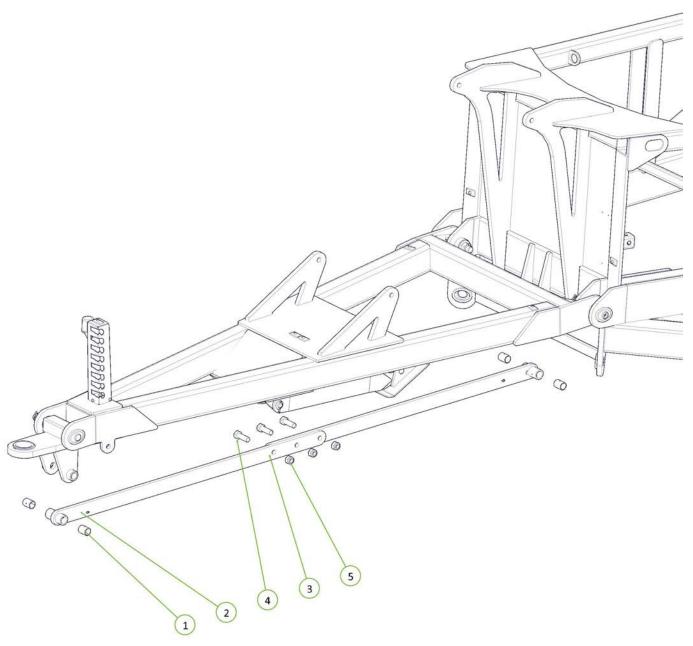
| Item No. | Description | Qty | Number |
|----------|---|-----|----------------|
| 1 | 3" Bore 8" Stroke NI Cylinder with Int DCBV Valve | 2 | 0313-308SPOC-B |
| 2 | Hyd Jack Side Plate | 4 | 1200-315 |
| 3 | Hydraulic Jack Foot Plate | 2 | 1200-305 |
| 4 | Clevis Pin 25mm x 75mm | 2 | 0801-KE0307-1 |
| 5 | Cotter Pin M5 x 50 | 6 | 0261-PINC550 |
| 6 | 25mm Shaft 185mm Long | 2 | 1201-44 |
| 8 | Washer Flat M24 | 4 | 0231-F24 |





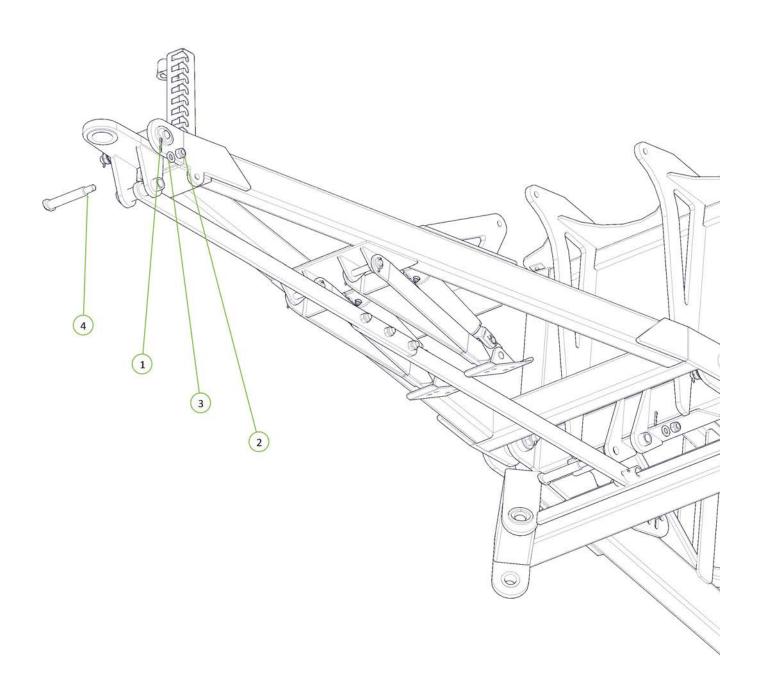
| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|----------------|
| 1 | 35 ID x 50mm DX Bush | 4 | 0113-MB 3550DX |
| 2 | Grease Nipple 1/4" UNF | 4 | 0181-GN1-4 |
| 3 | Parrallelogram Link Half | 2 | 1210-22 |
| 4 | M24 x 50 grade 8.8 zp Bolt | 3 | 0211-2475 |
| 5 | Nyloc Nut M24 | 3 | 0221-NYL24 |

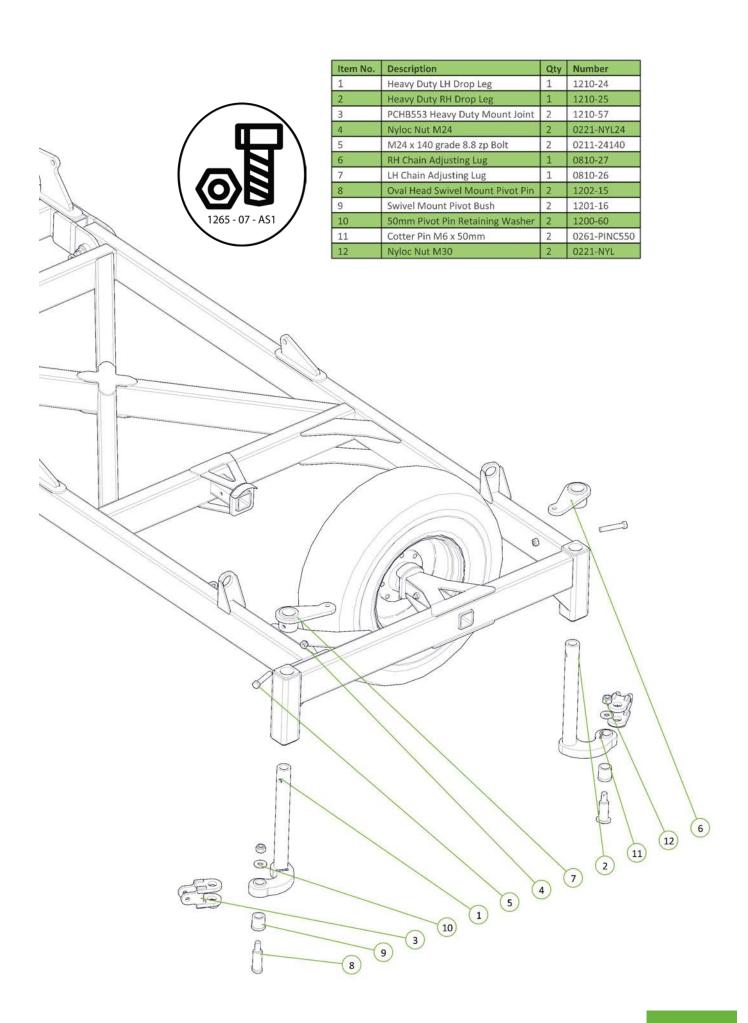


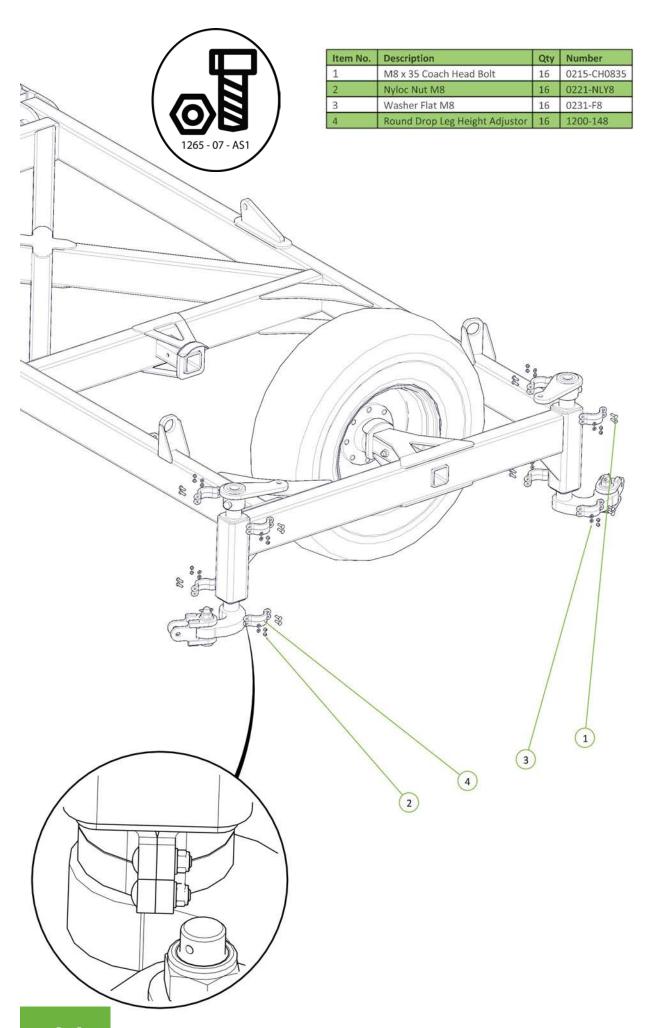


| Item No. | Description | Qty | Number |
|----------|--------------------------|-----|--------------|
| 1 | Cotter Pin M6 x 50mm | 2 | 0261-PINC650 |
| 2 | Nyloc Nut M24 | 2 | 0221-NYL24 |
| 3 | Washer Flat M24 | 2 | 0231-F24 |
| 4 | Oval Head 35mm Pivot Pin | 2 | 1202-09 |

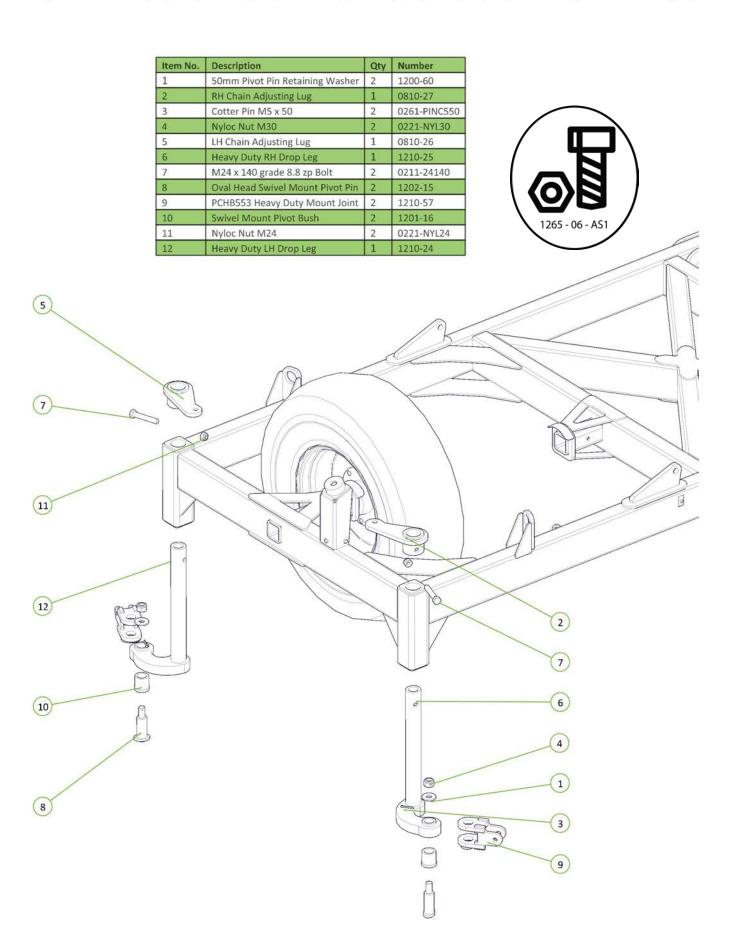








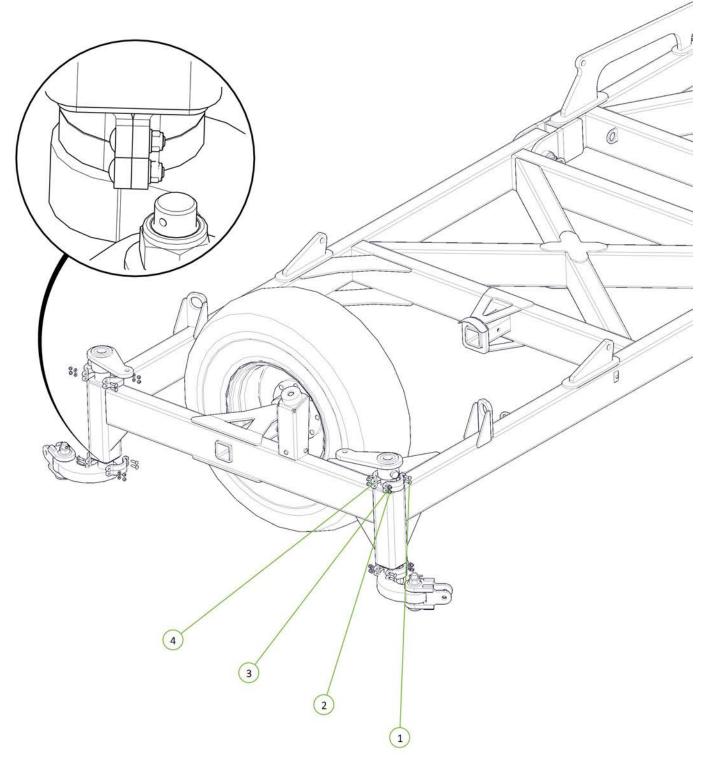
Item No. Description Qty Number 0801-XK9261S 20mm Compression Spring 2 Washer High Tensile 1 1/4" 0232-HT11-4 0802-PCHTA Chain Tension Assembly 2 4 0801-KE0805-3 Tensioner Cup - Male Female Spring Locator 0801-KE0805-4 2 0 0 QE o or amountain 9 0 4 1 2

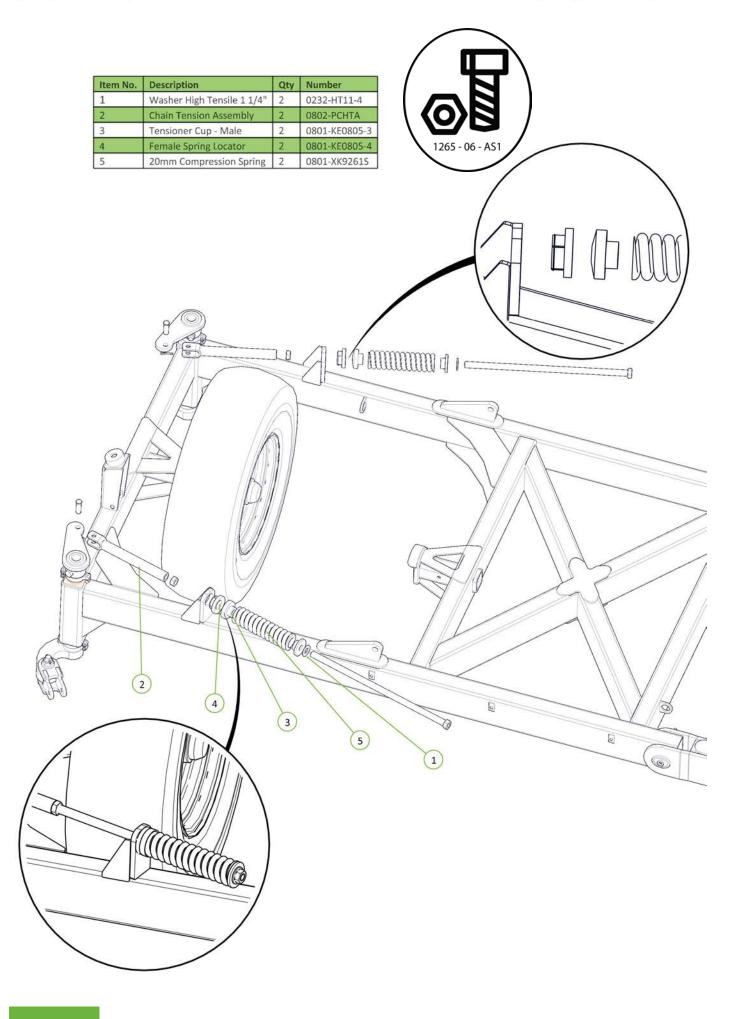






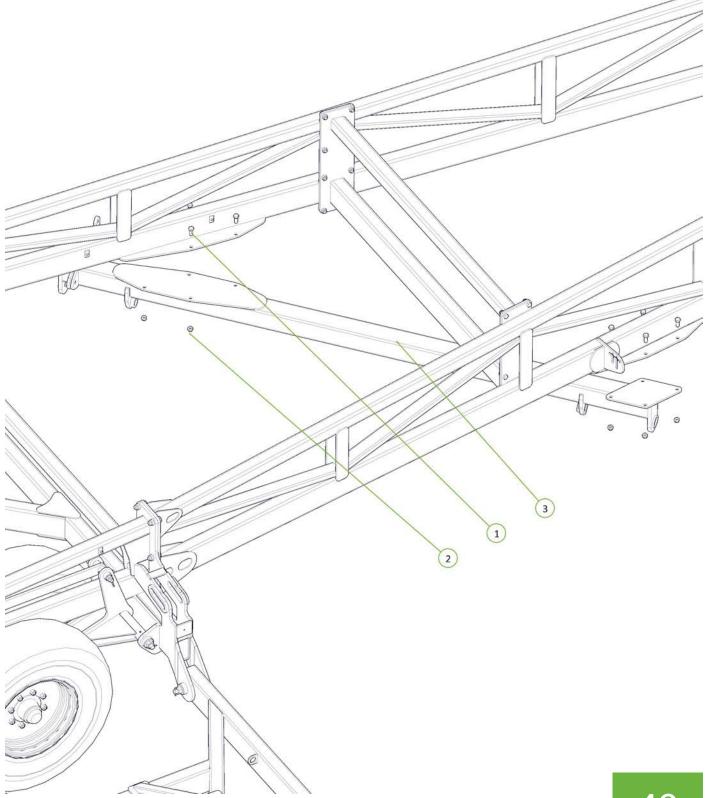
| Item No. | Description | Qty | Number |
|----------|--------------------------------|-----|-------------|
| 1 | M8 x 35 Coach Head Bolt | 16 | 0215-CH0835 |
| 2 | Nyloc Nut M8 | 16 | 0221-NYL8 |
| 3 | Washer Flat M8 | 16 | 0231-F8 |
| 4 | Round Drop Leg Height Adjustor | 16 | 1200-148 |

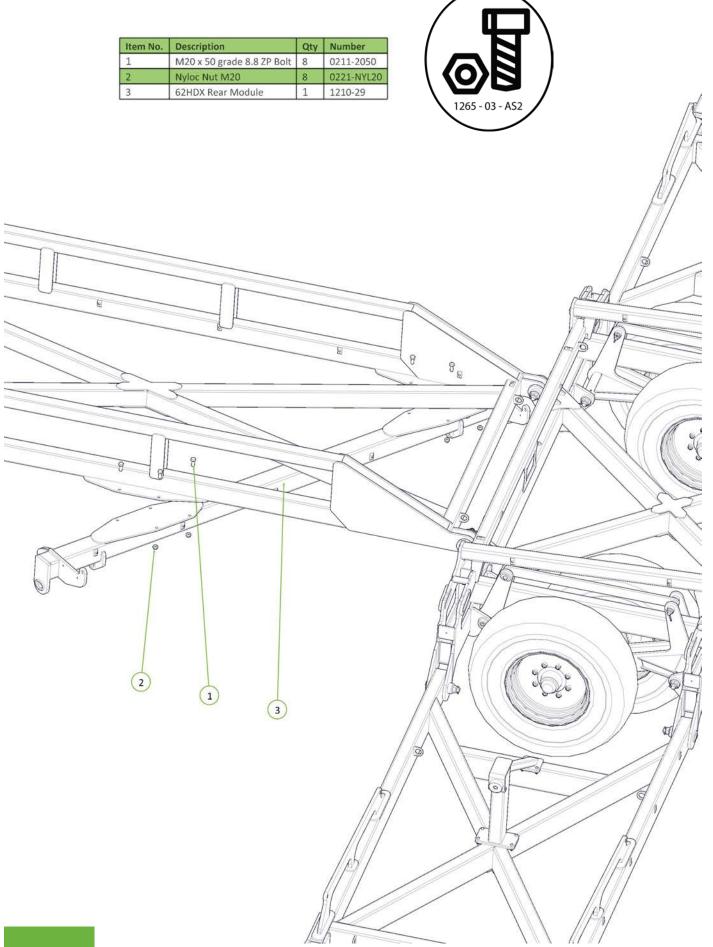


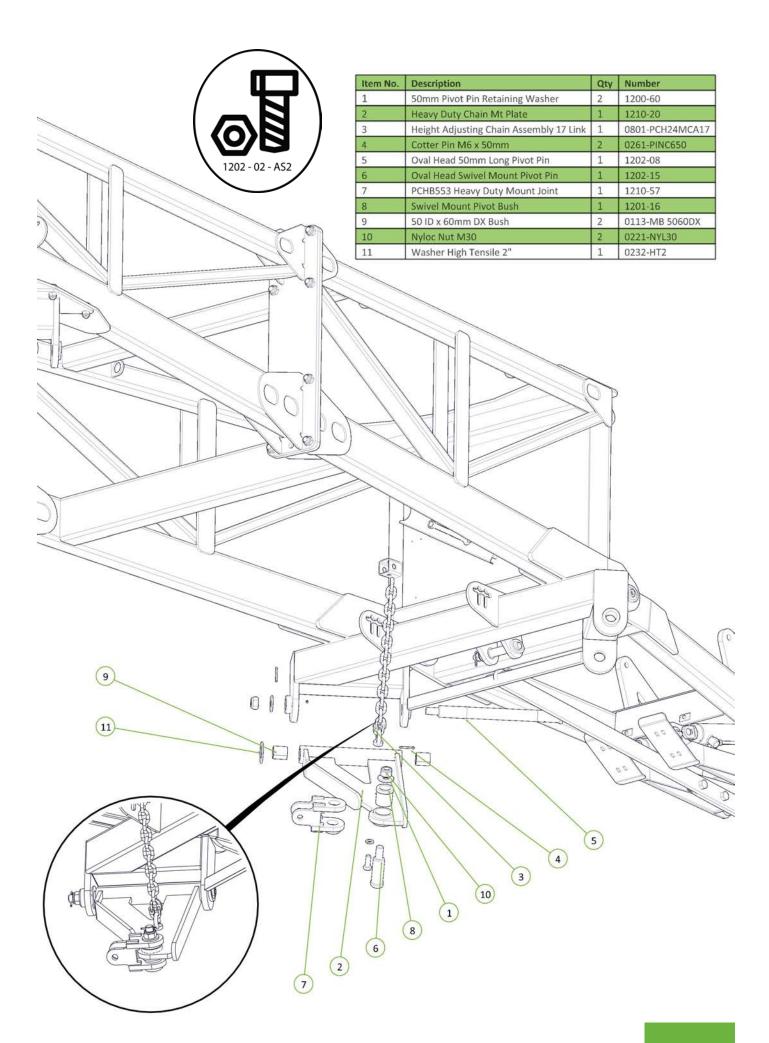


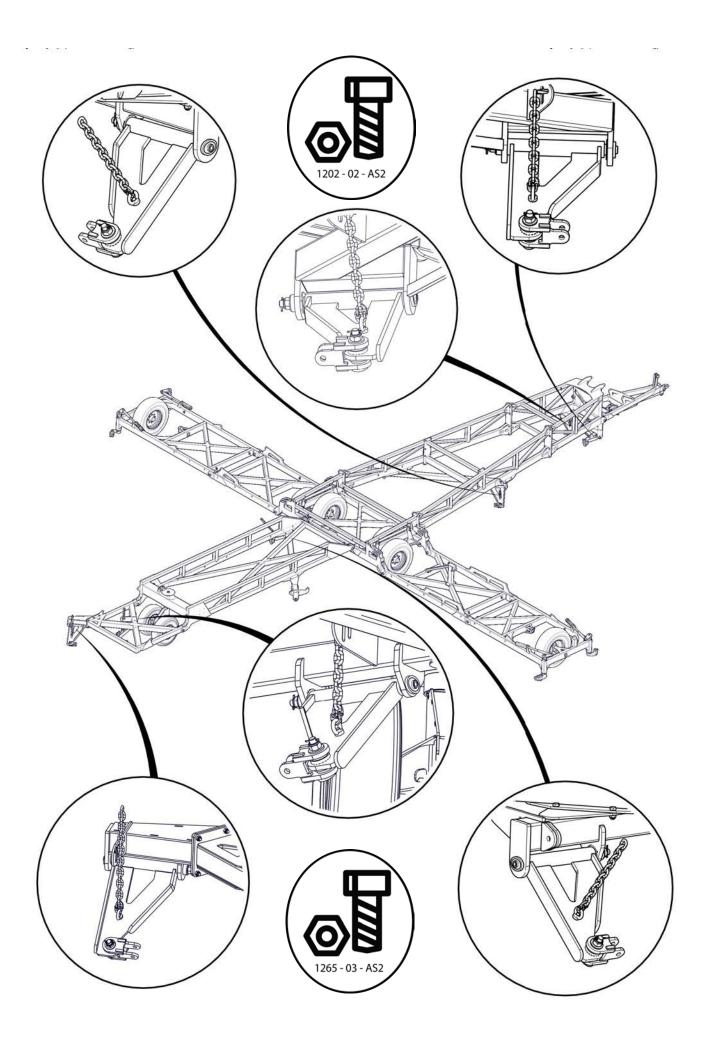
| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------|
| 1 | M20 x 50 grade 8.8 ZP Bolt | 8 | 0211-2050 |
| 2 | Nyloc Nut M20 | 8 | 0221-NYL20 |
| 3 | 62HDX Front Module | 1 | 1210-28 |

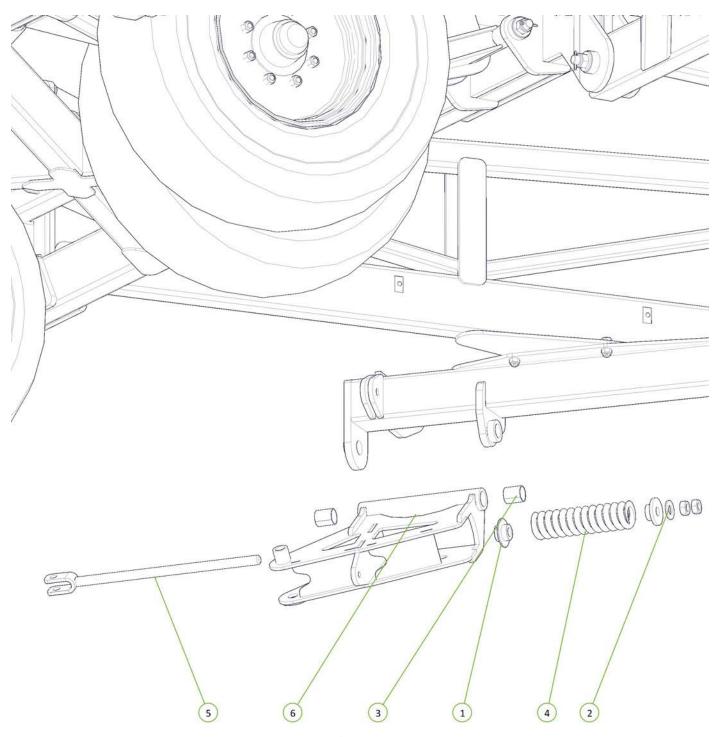






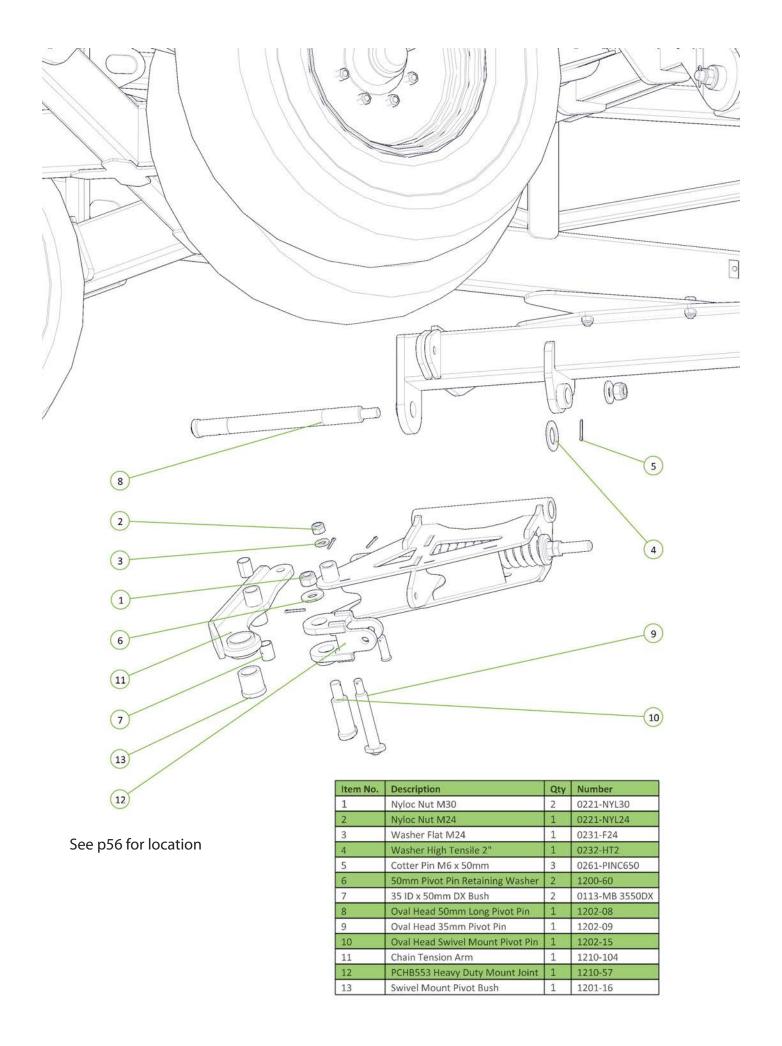


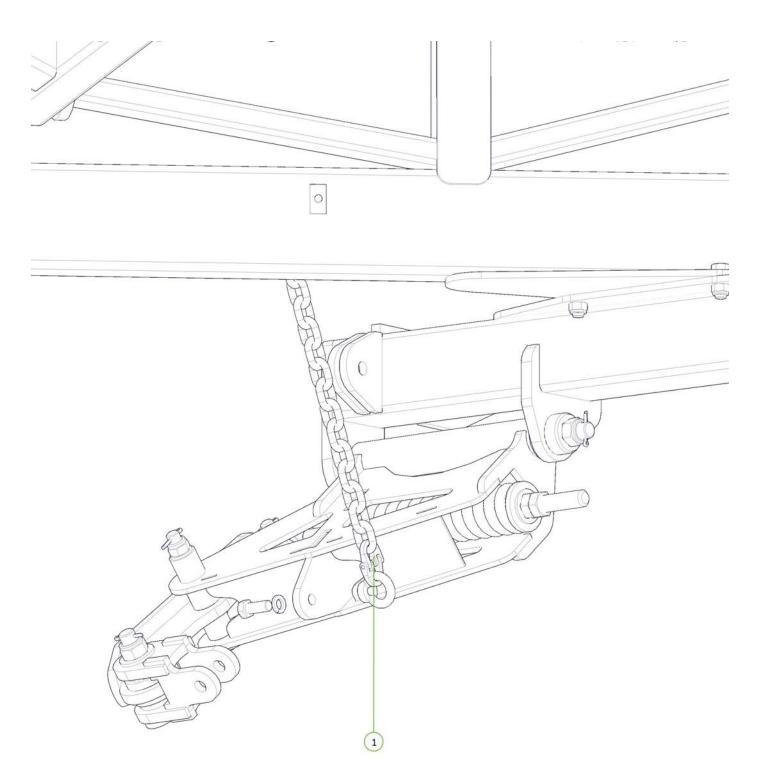




See p56 for location

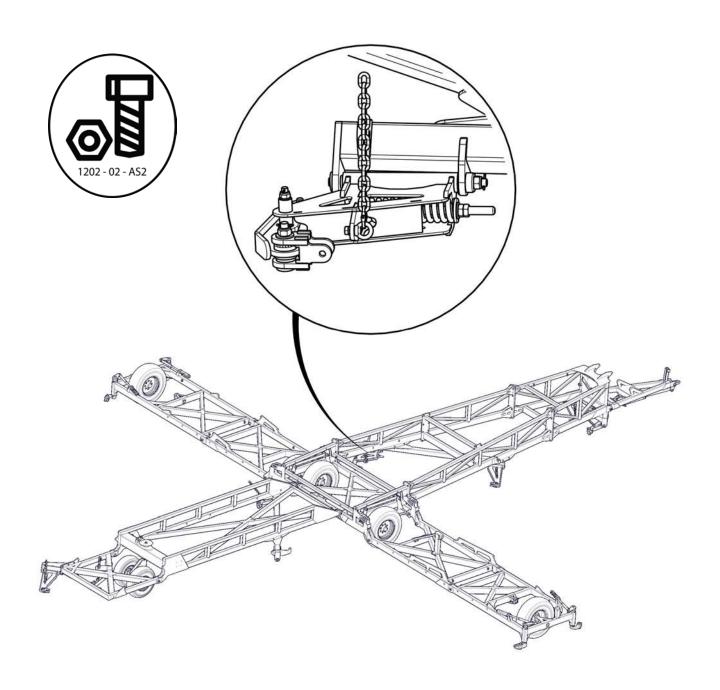
| Item No. | Description | Qty | Number |
|----------|-----------------------------|-----|----------------|
| 1 | Rigid Spring Locator | 1 | 0801-10-S2L |
| 2 | Washer High Tensile 1 1/4" | 1 | 0232-HT11-4 |
| 3 | 50 ID x 60mm DX Bush | 2 | 0113-MB 5060DX |
| 4 | 20mm Compression Spring | 1 | 0801-XK9261S |
| 5 | Module Tension Linkage | 1 | 0810-105A |
| 6 | Left Hand Chain Tension Box | 1 | 1210-103 |



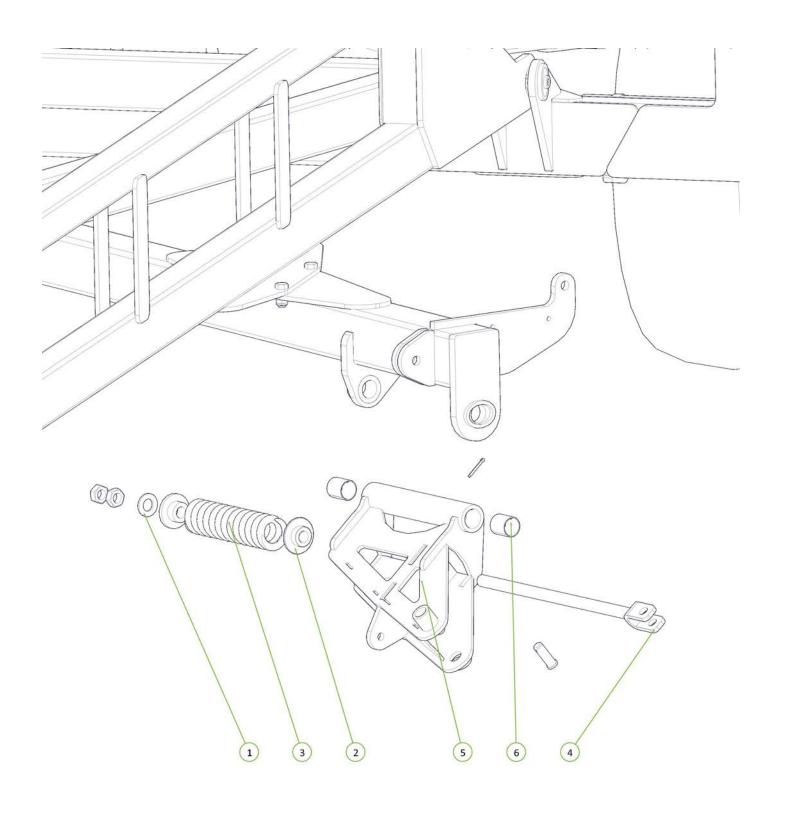


See p56 for location

| Item No. | Description | Qty | Number |
|----------|---|-----|-----------------|
| 1 | Height Adjusting Chain Assembly 17 Link | 1 | 0801-PCH24MCA17 |

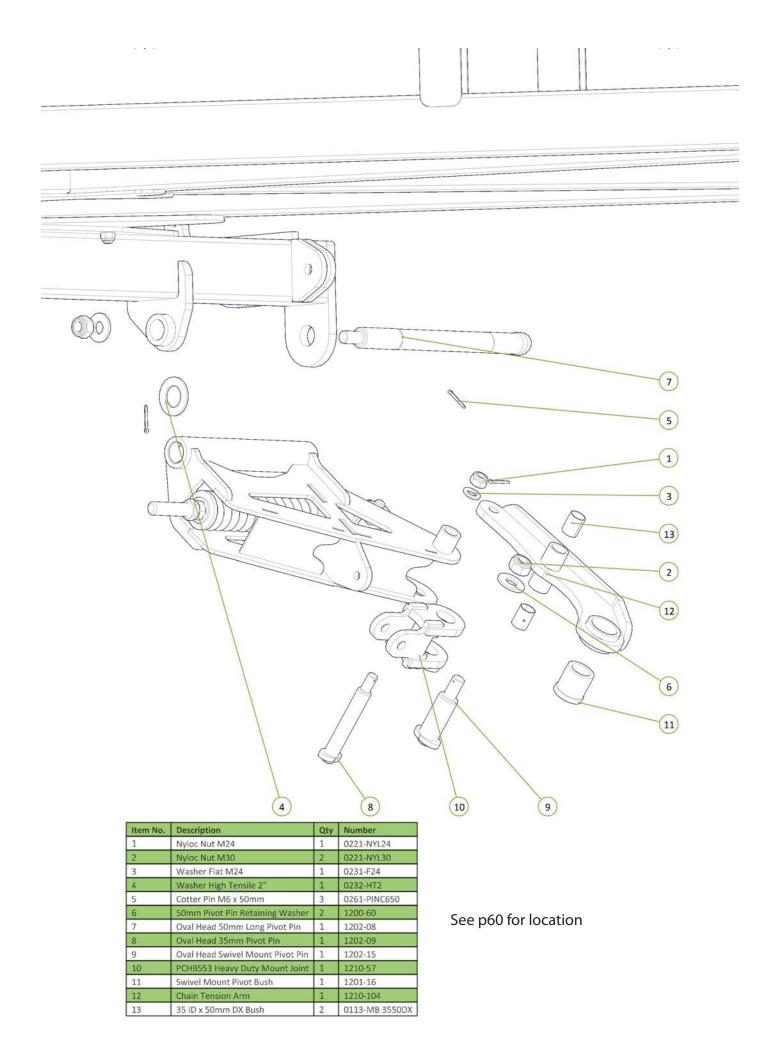


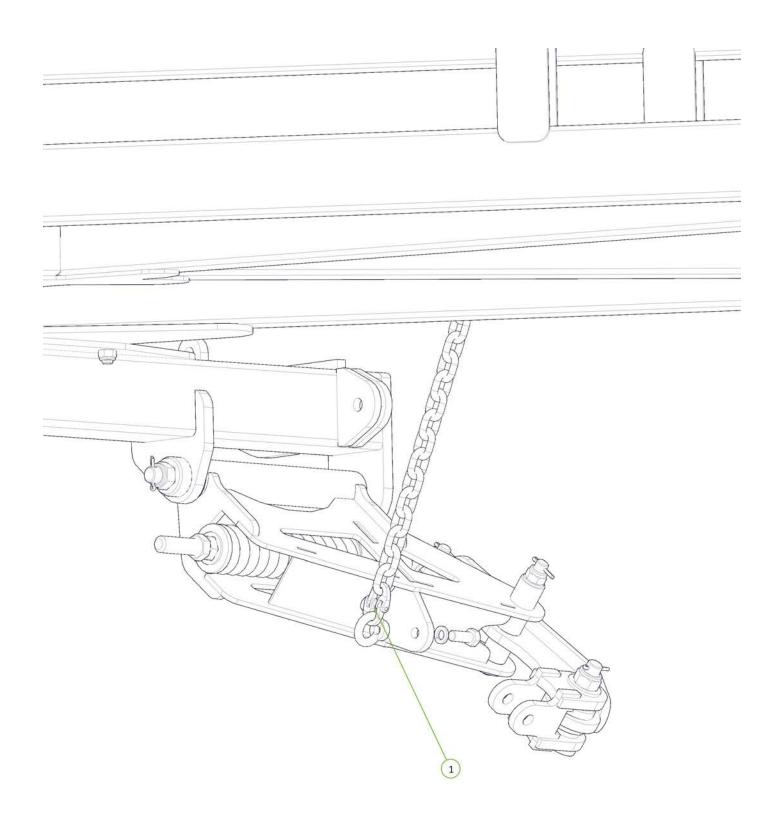




| Item No. | Description | Qty | Number |
|----------|------------------------------|-----|----------------|
| 1 | Washer High Tensile 1 1/4" | 1 | 0232-HT11-4 |
| 2 | Rigid Spring Locator | 1 | 0801-10-52L |
| 3 | 20mm Compression Spring | 1 | 0801-XK9261S |
| 4 | Module Tension Linkage | 1 | 0810-105A |
| 5 | Right Hand Chain Tension Box | 1 | 1210-102 |
| 6 | 50 ID x 60mm DX Bush | 2 | 0113-MB 5060DX |

See p60 for location

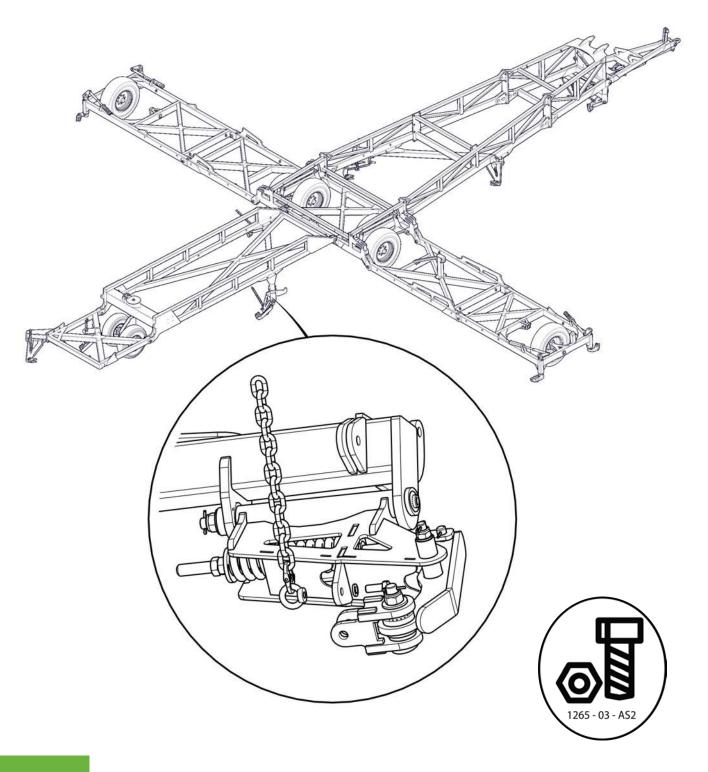


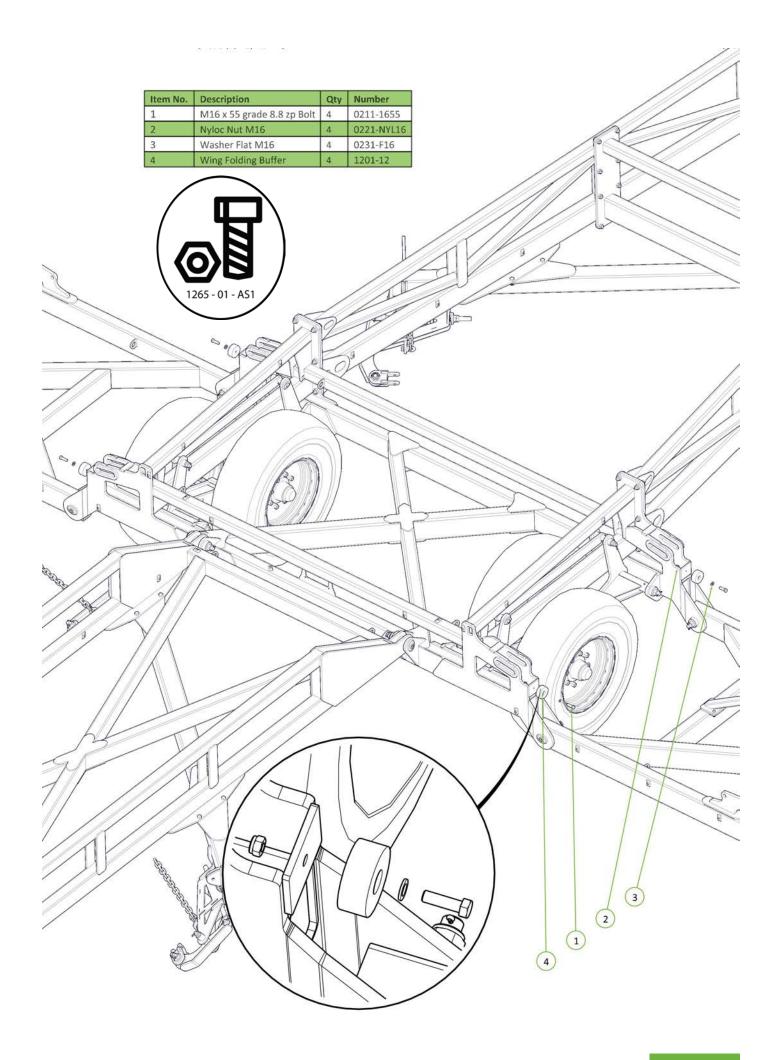


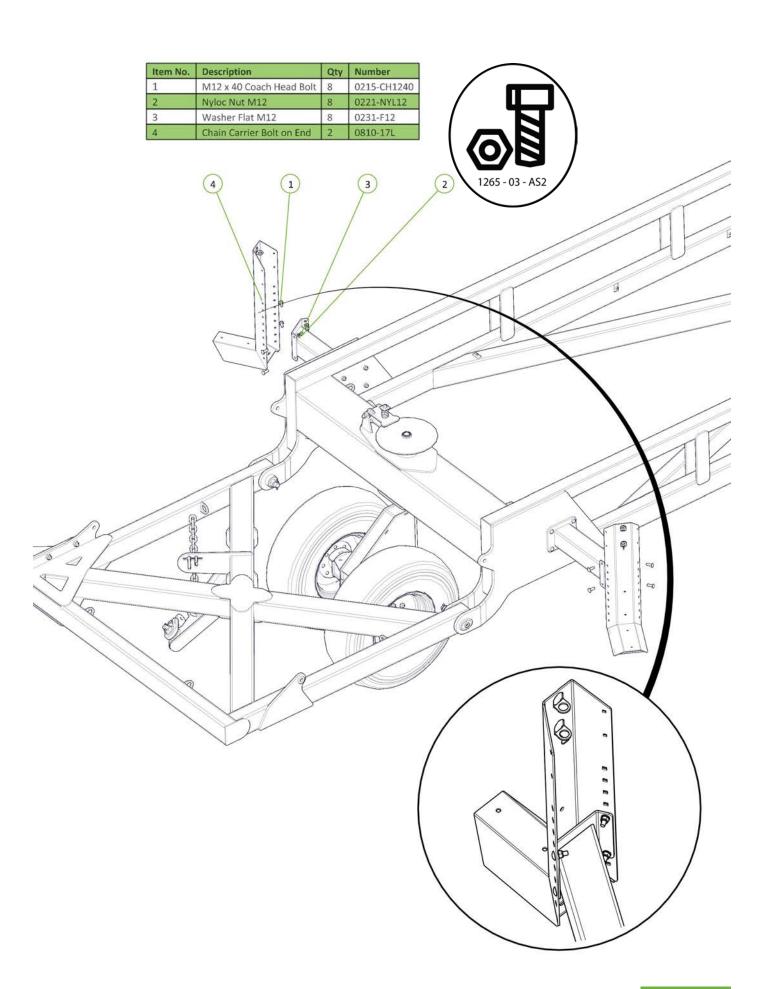
See p60 for location

| Item No. | Description | Qty | Number |
|----------|---|-----|-----------------|
| 1 | Height Adjusting Chain Assembly 17 Link | 1 | 0801-PCH24MCA17 |





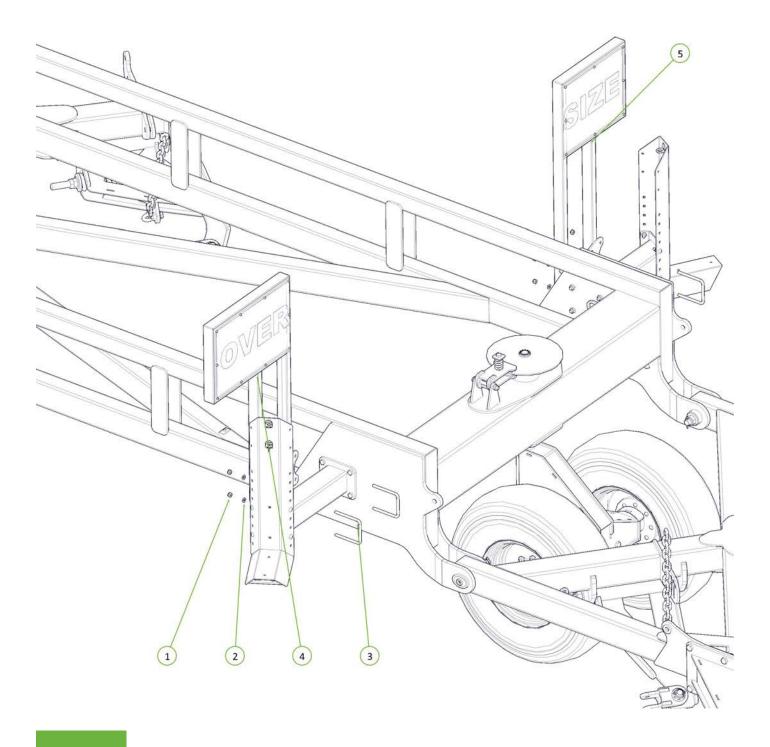




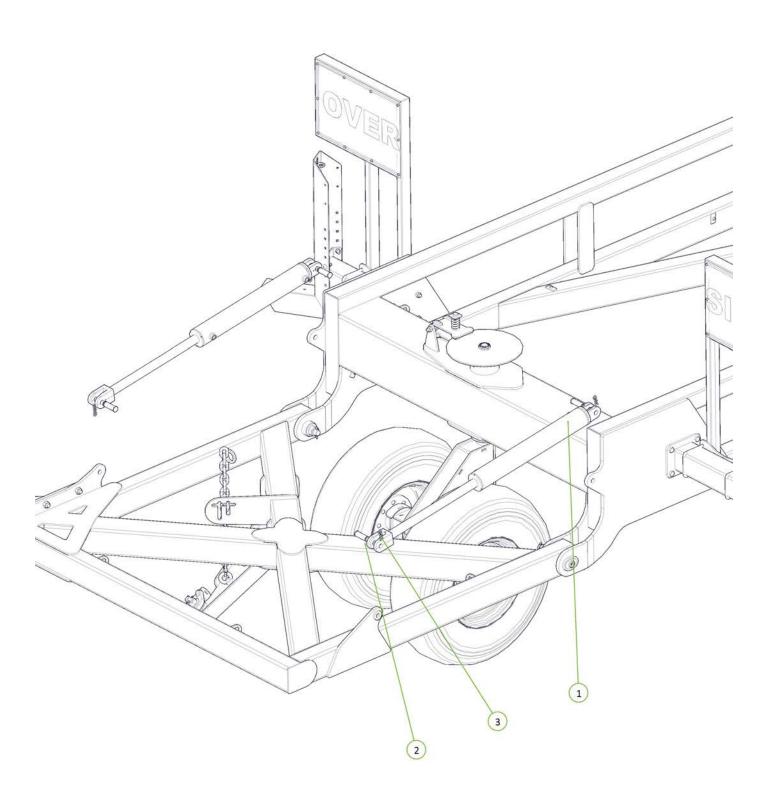
| Item No. | Description | Qty | Number |
|----------|----------------------------------|-----|---------------|
| 1 | Nyloc Nut M12 | 8 | 0221-NYL12 |
| 2 | Washer Flat M12 | 8 | 0231-F12 |
| 3 | U-Bolt M12 x 155 Deep x 127 Wide | 4 | 0271-12155127 |
| 4 | LH Oversize Sign Frame | 1 | 0810-110 |
| 5 | RH Oversize Sign Frame | 1 | 0810-111 |

Signage may change according to local regulations

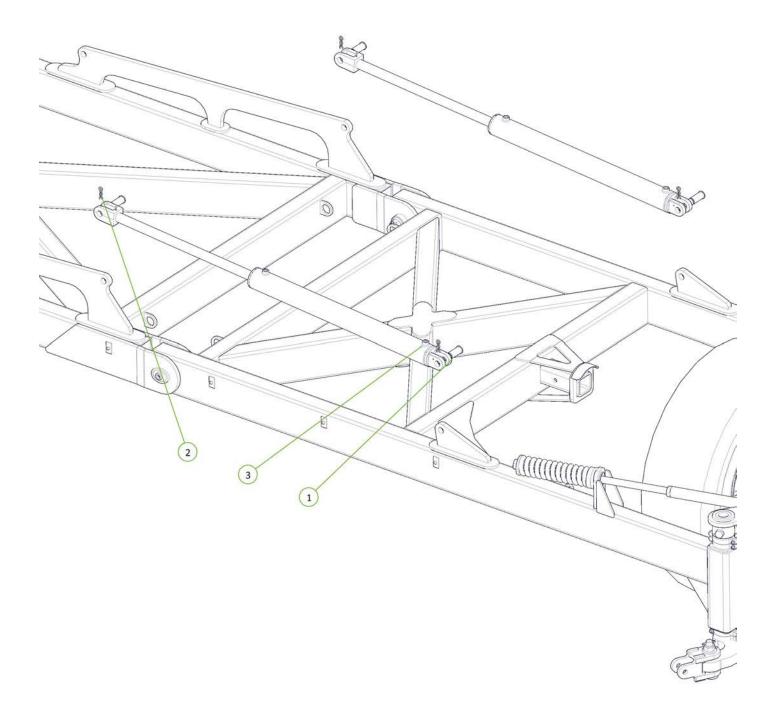




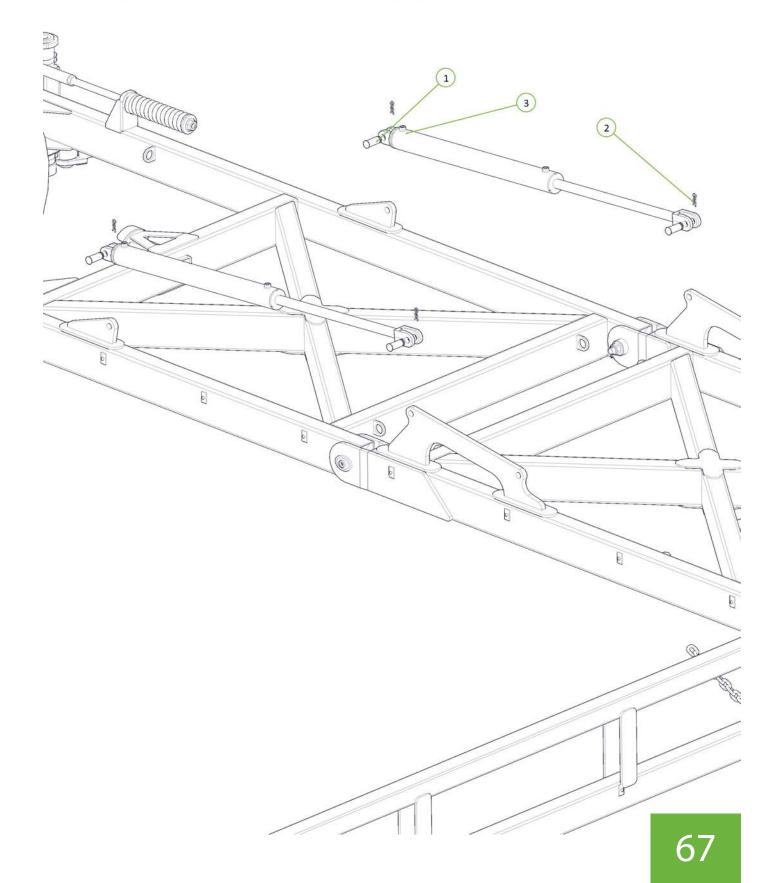
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 3.5" Bore 24" Stroke 1.75" Rod Hydraulic Cylinder | 2 | 0313-3524SP-B |
| 2 | Hydraulic Cylinder Pin 1" x 75mm | 4 | 0313-NCP1X75 |
| 3 | R Clip 3mm | 4 | 0511-RCLIP3 |

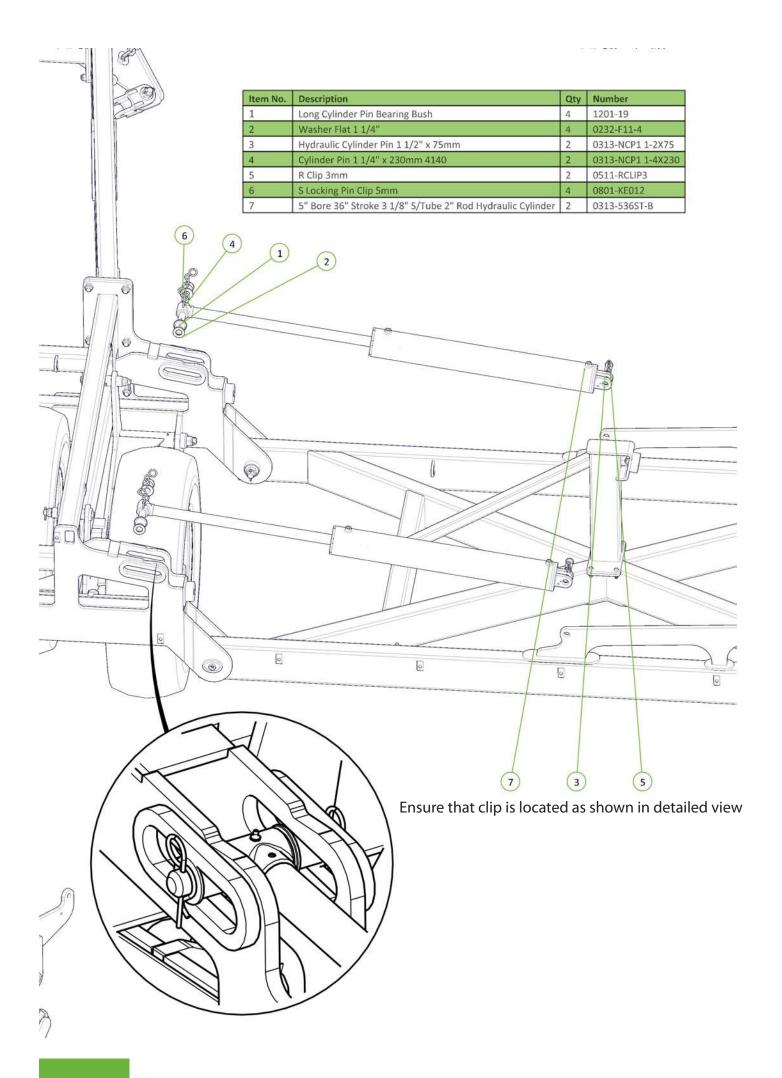


| Item No. | Description | Qty | Number |
|----------|---|-----|------------------|
| 1 | Hydraulic Cylinder Pin 1 1/2" x 75mm | 4 | 0313-NCP1 1-2X75 |
| 2 | R Clip 3mm | 4 | 0511-RCLIP3 |
| 3 | 3.5" Bore 32" Stroke 4" S/Tube 1.75" Rod Hydraulic Cylinder | 2 | 0313-3532ST-B |



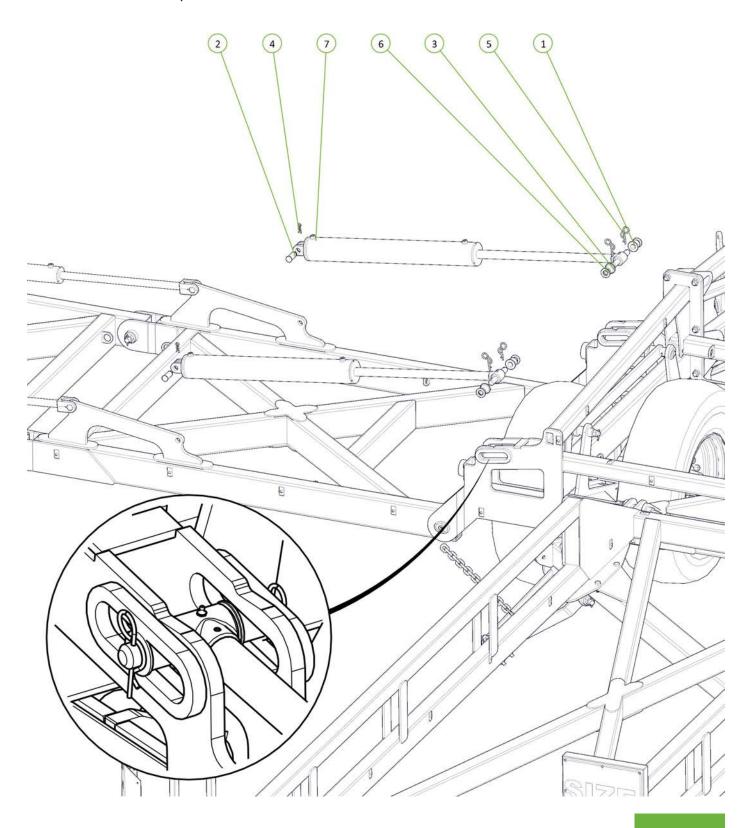
| Item No. | Description | Qty | Number |
|----------|---|-----|------------------|
| 1 | Hydraulic Cylinder Pin 1 1/2" x 75mm | 4 | 0313-NCP1 1-2X75 |
| 2 | R Clip 3mm | 4 | 0511-RCLIP3 |
| 3 | 3.5" Bore 32" Stroke 4" S/Tube 1.75" Rod Hydraulic Cylinder | 2 | 0313-3532ST-B |



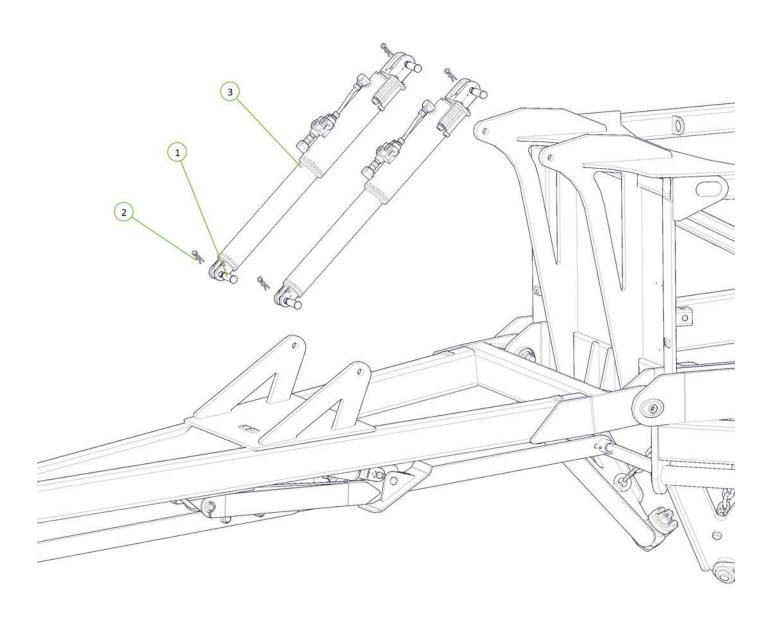


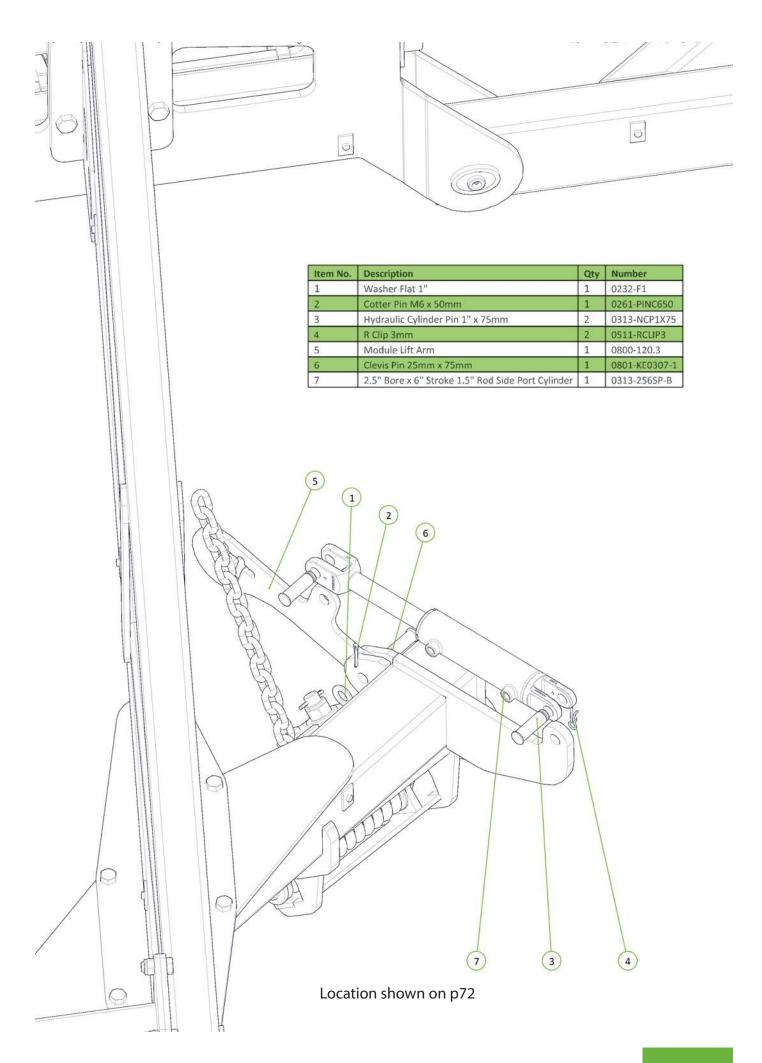
| Item No. | Description | Qty | Number |
|----------|--|-----|-------------------|
| 1 | Washer Flat 1 1/4" | 4 | 0232-F11-4 |
| 2 | Hydraulic Cylinder Pin 1 1/2" x 75mm | 2 | 0313-NCP1 1-2X75 |
| 3 | Cylinder Pin 1 1/4" x 230mm 4140 | 2 | 0313-NCP1 1-4X230 |
| 4 | R Clip 3mm | 2 | 0511-RCLIP3 |
| 5 | S Locking Pin Clip 5mm | 4 | 0801-KE012 |
| 6 | Long Cylinder Pin Bearing Bush | 4 | 1201-19 |
| 7 | 5" Bore 36" Stroke 3 1/8" S/Tube 2" Rod Hydraulic Cylinder | 2 | 0313-536ST-B |

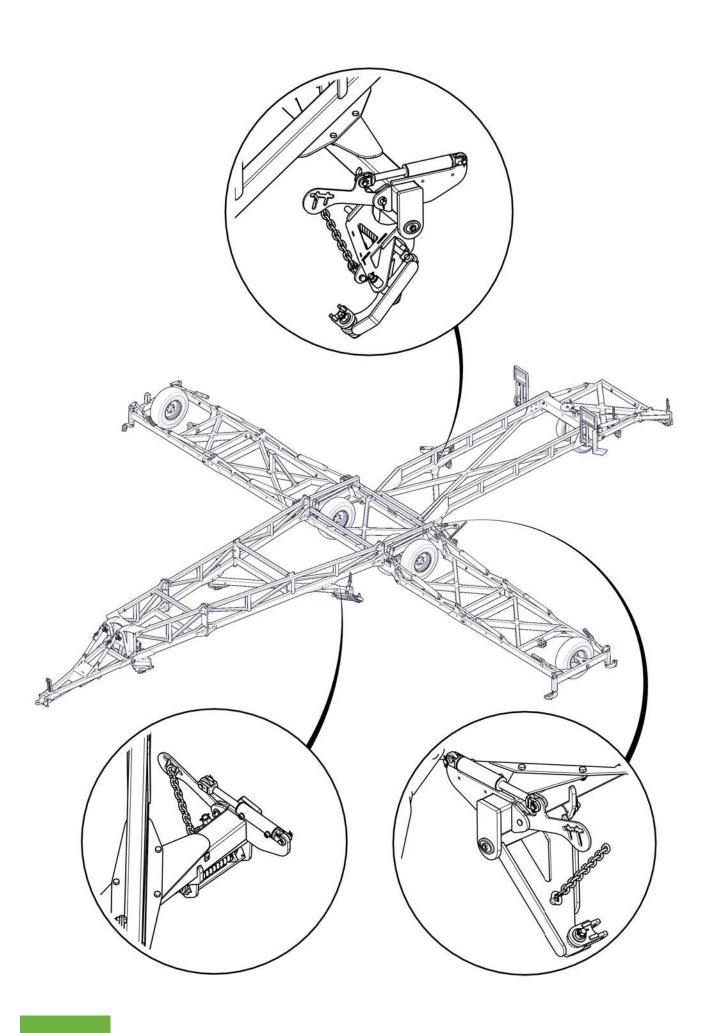
Ensure that clip is located as shown in detailed view



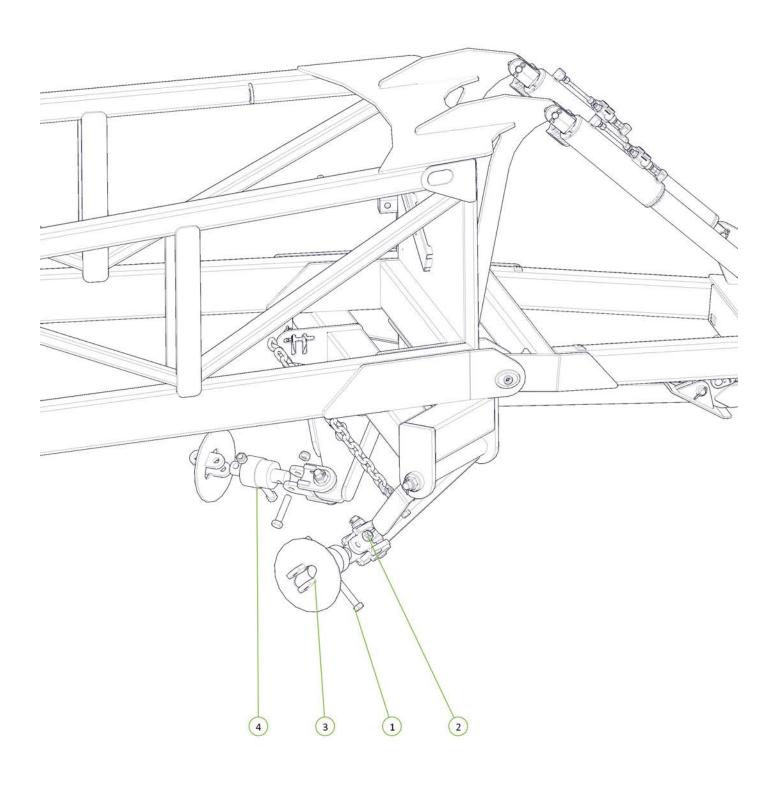
| Item No. | Description | Qty | Number |
|----------|--|-----|---------------|
| 1 | Hydraulic Cylinder Pin 1" x 75mm | 4 | 0313-NCP1X75 |
| 2 | R Clip 3mm | 4 | 0511-RCLIP3 |
| 3 | 4" Bore 12" Stroke 1.75" Rod Extended Hydraulic Cylinder | 2 | 0313-412EXT-B |

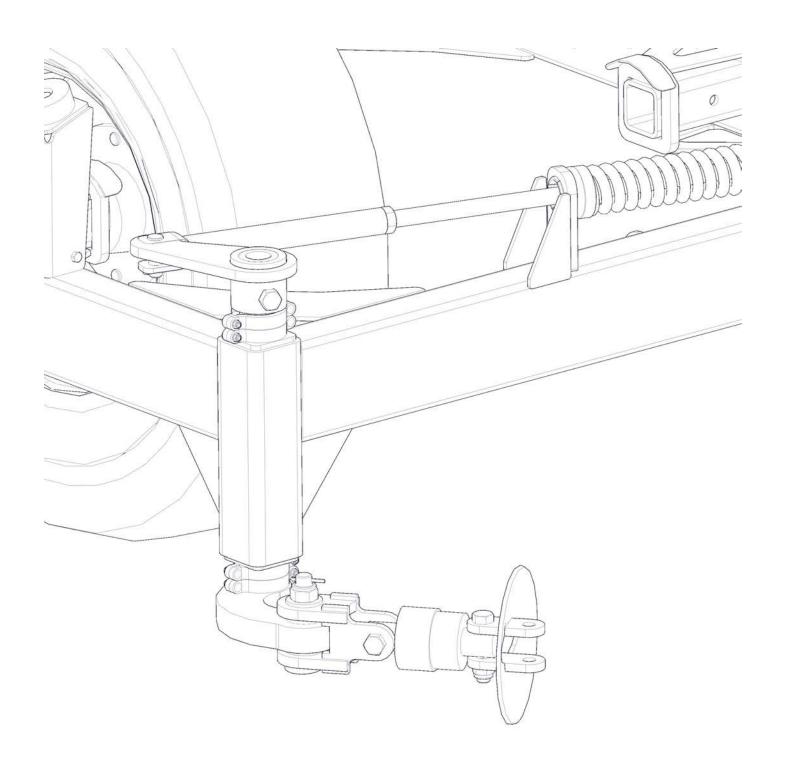


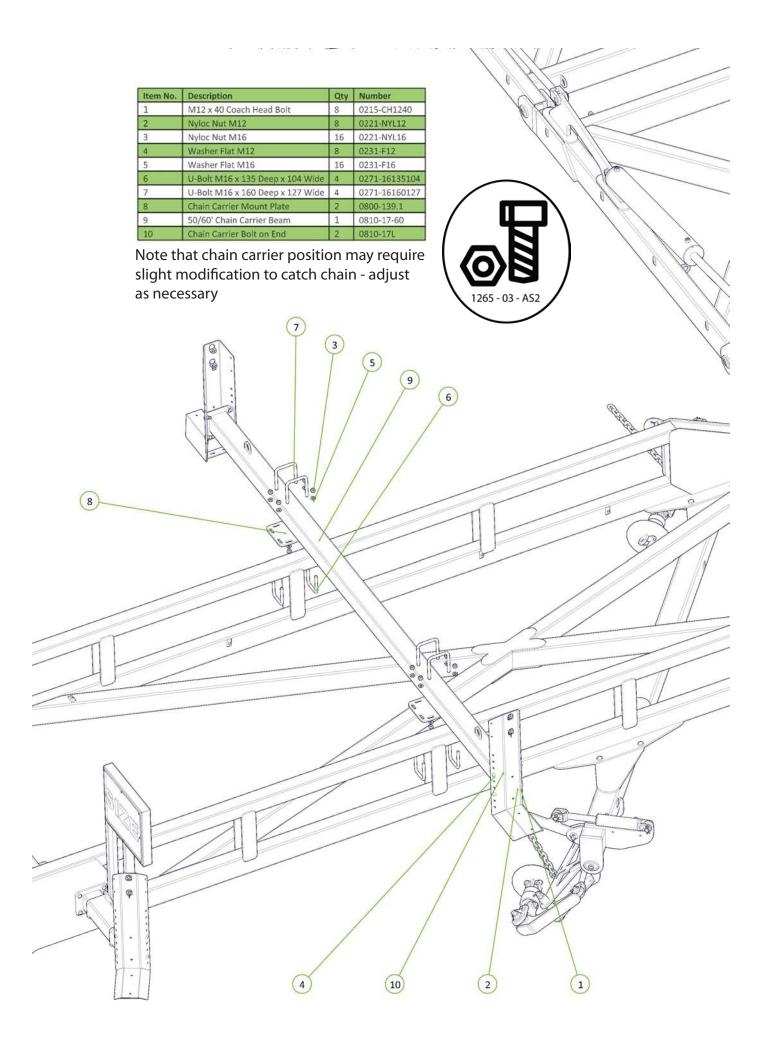




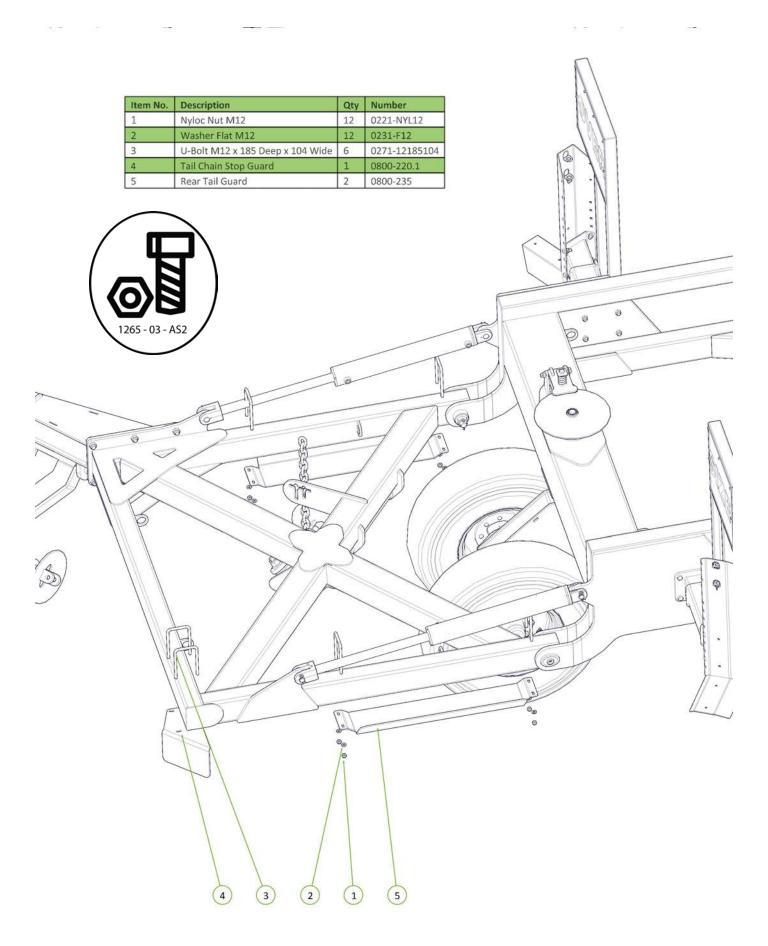
| Item No. | Description | Qty | Number | |
|----------|---|-----|--------------|--|
| 1 | M24 x 120 grade 10.9 zp Short Thread Bolt | 4 | 0211-24120 | |
| 2 | Nyloc Nut M24 | 4 | 0221-NYL24 | |
| 3 | Disc Chain Tie Plate Link 24mm | 2 | 0802-DCTP-24 | |
| 4 | 24mm Bolt Swivel Unit | 2 | 0802-PCHB553 | |

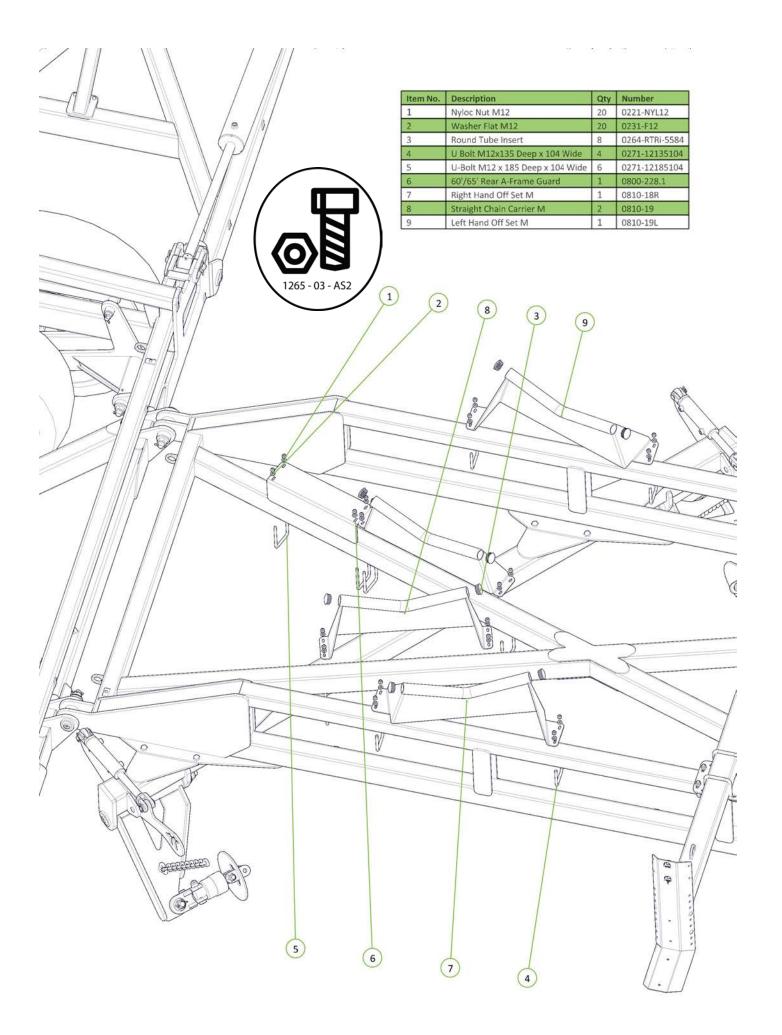






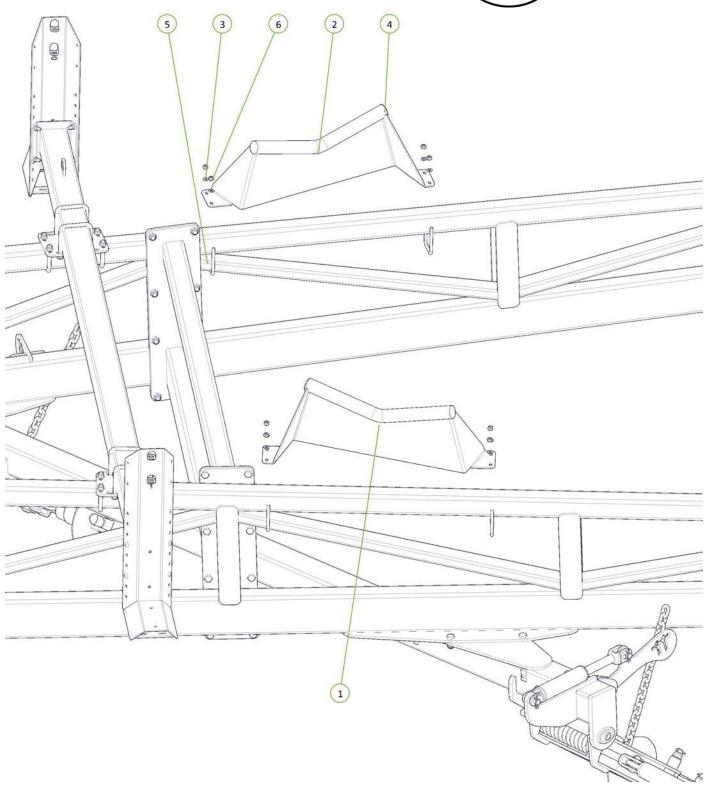
| Item No. | | Qty | Number |
|----------|---|----------|------------------------|
| 1 | M12 x 40 Coach Head Bolt | 8 | 0215-CH1240 |
| 2 | Nyloc Nut M16 | 16 | 0221-NYL16 |
| 3 | Nyloc Nut M12 | 8 | 0221-NYL12 |
| 4 | Washer Flat M16 | 16 | 0231-F16 |
| 5 | Washer Flat M12 | 8 | 0231-F12 |
| 6 | U-Bolt M16 x 135 Deep x 104 Wide | | 0271-16135104 |
| 7 | U-Bolt M16 x 160 Deep x 127 Wide | | 0271-16160127 |
| 8 | Chain Carrier Mount Plate | 2 | 0800-139.1 |
| 9 | 50/60' Chain Carrier Beam Chain Carrier Bolt on End | 2 | 0810-17-60 0810-17L |
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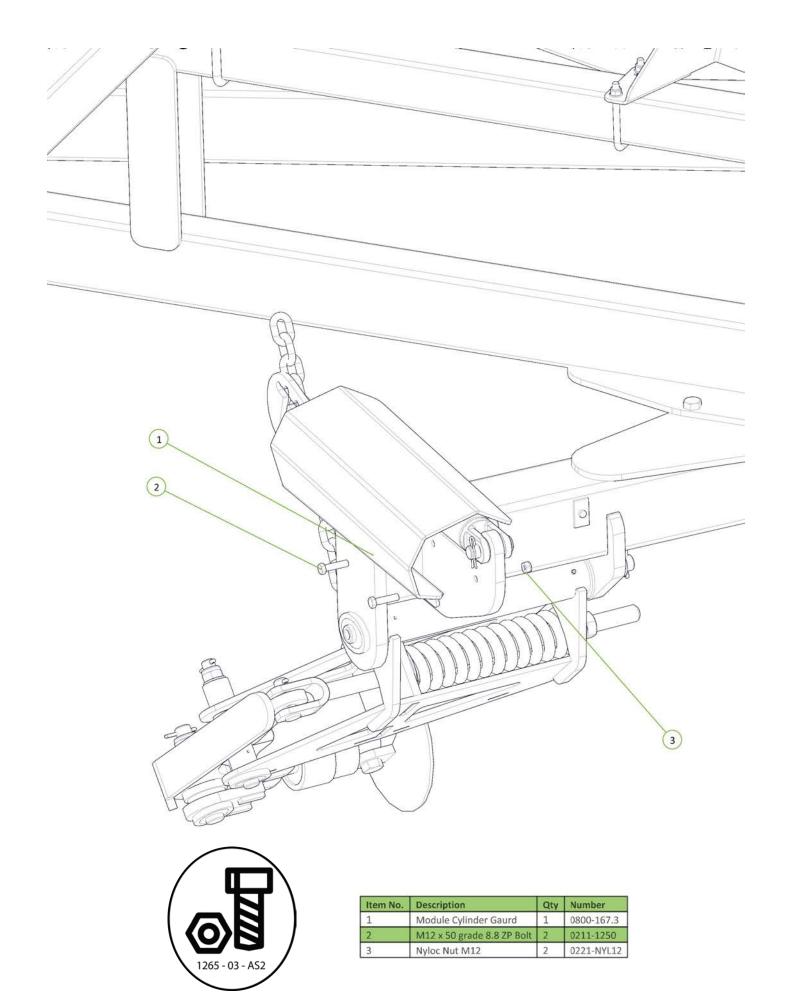




| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|----------------|
| 1 | Left Hand Off Set M | 1 | 0810-19L |
| 2 | Right Hand Off Set M | 1 | 0810-18R |
| 3 | Washer Flat M12 | 8 | 0231-F12 |
| 4 | Round Tube Insert | 4 | 0264-RTRI-5584 |
| 5 | U Bolt M12x 135 Deep x 104 Wide | 4 | 0271-12135104 |
| 6 | Nyloc Nut M12 | 8 | 0221-NYL12 |

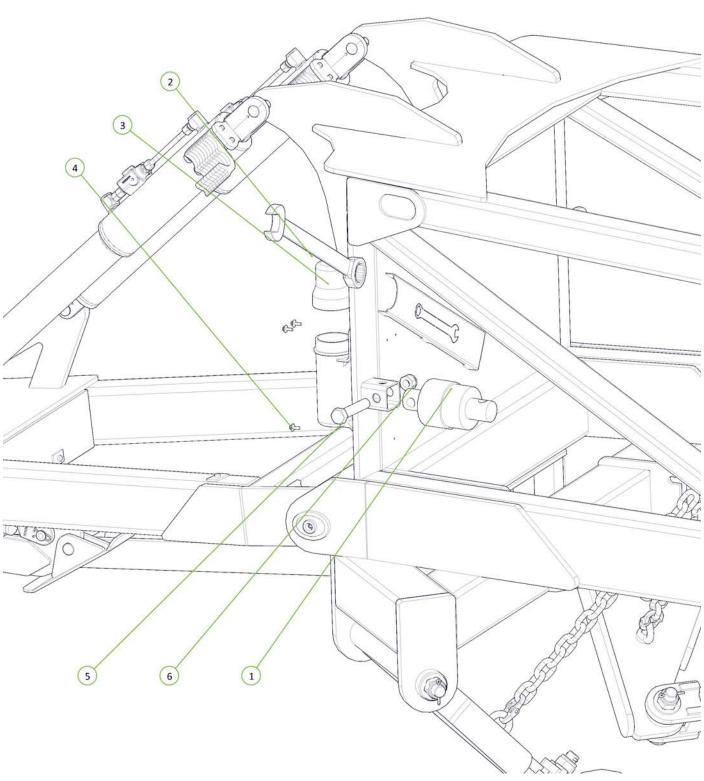


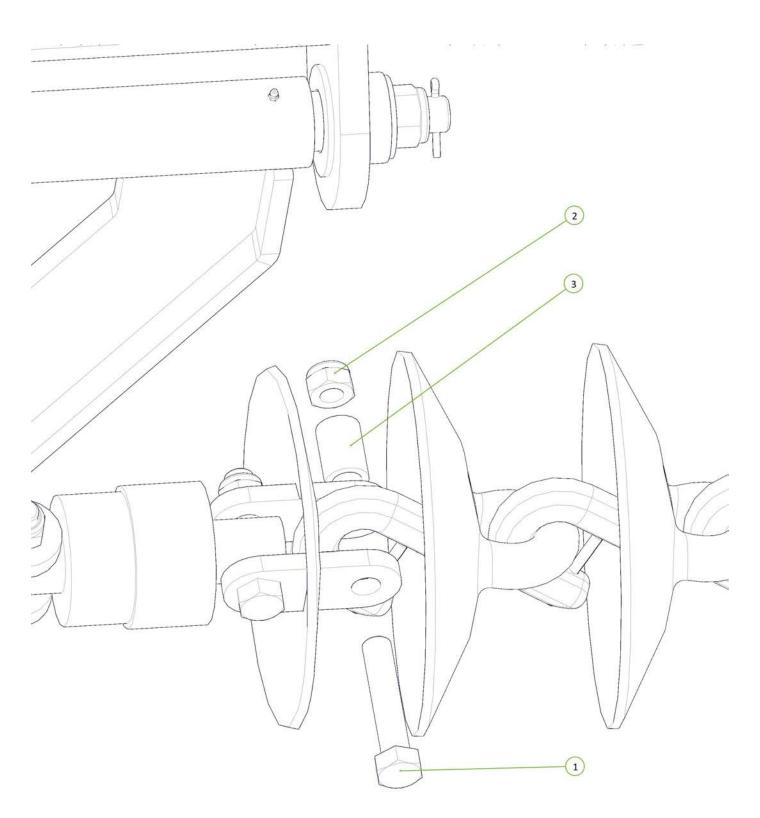




| Item No. | Description | Qty | Number |
|----------|---|-----|-----------------|
| 1 | 24mm Bolt Swivel Unit | 1 | 0802-PCHB553 |
| 2 | Gear Wrench 1 3/4" | 1 | 0802-GW1 3-4 |
| 3 | Manual Canister | 2 | 0801-OMC-1 |
| 4 | M6x20 Trilobe Self Tapping Screw | 3 | 0211-M620MZPHTF |
| 5 | M24 x 120 grade 10.9 zp Short Thread Bolt | 1 | 0211-24120ST |
| 6 | Nyloc Nut M24 | 1 | 0221-NYL24 |

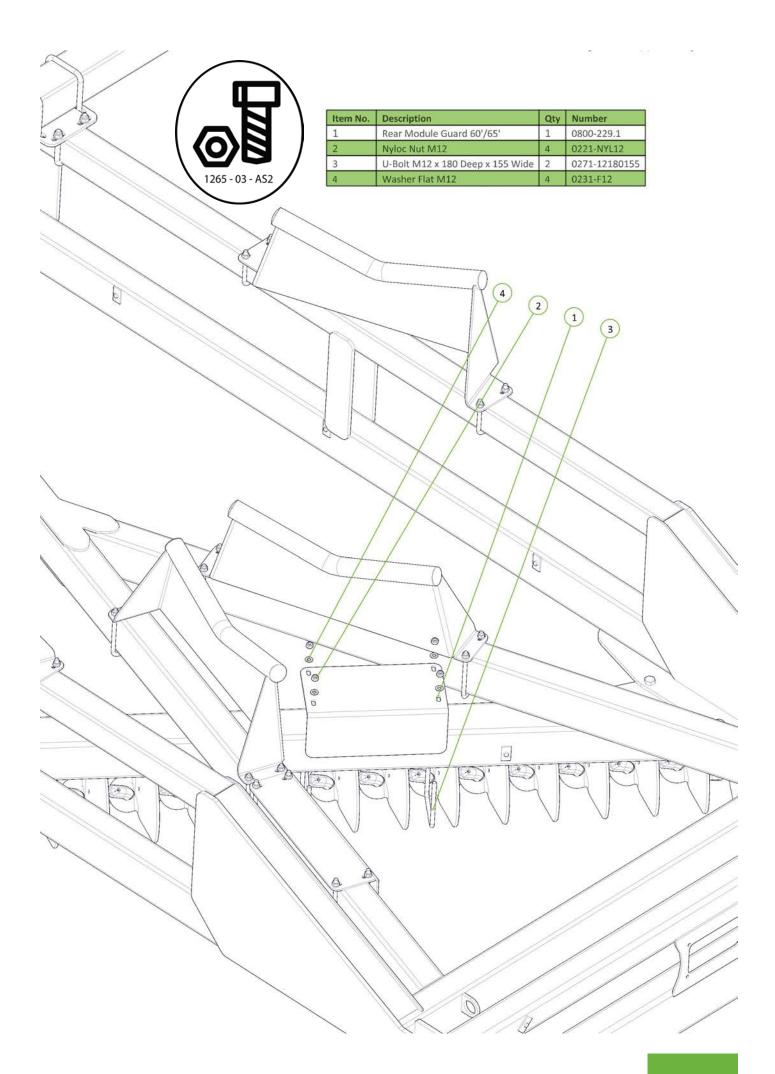


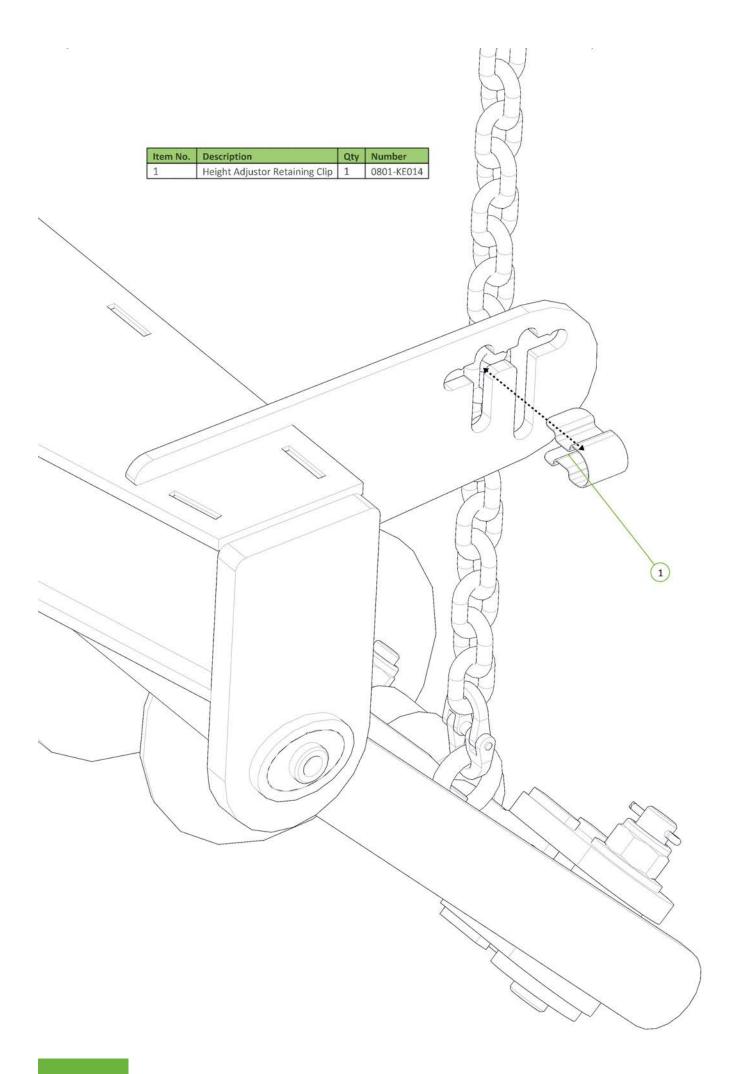




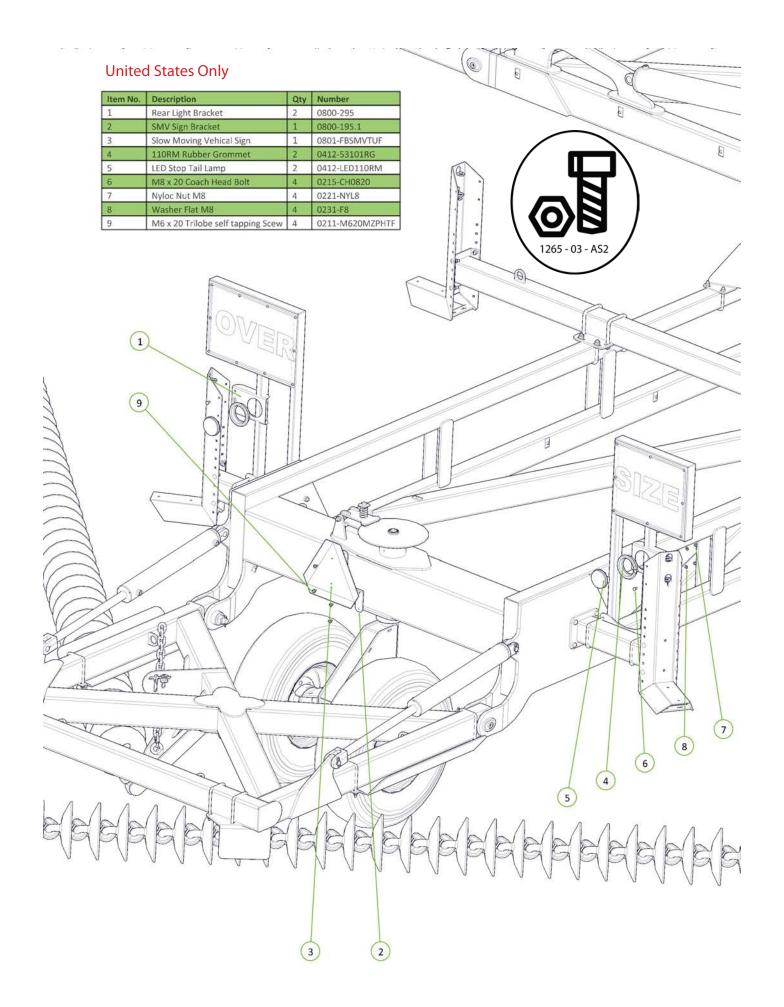
| Item No. | Description | Qty | Number | |
|----------|---|-----|--------------|--|
| 1 | M24 x 120 grade 10.9 zp Short Thread Bolt | 1 | 0211-24120ST | |
| 2 | Nyloc Nut M24 | 1 | 0221-NYL24 | |
| 3 | Tie Plate Bush | 1 | 0801-PCDCS55 | |

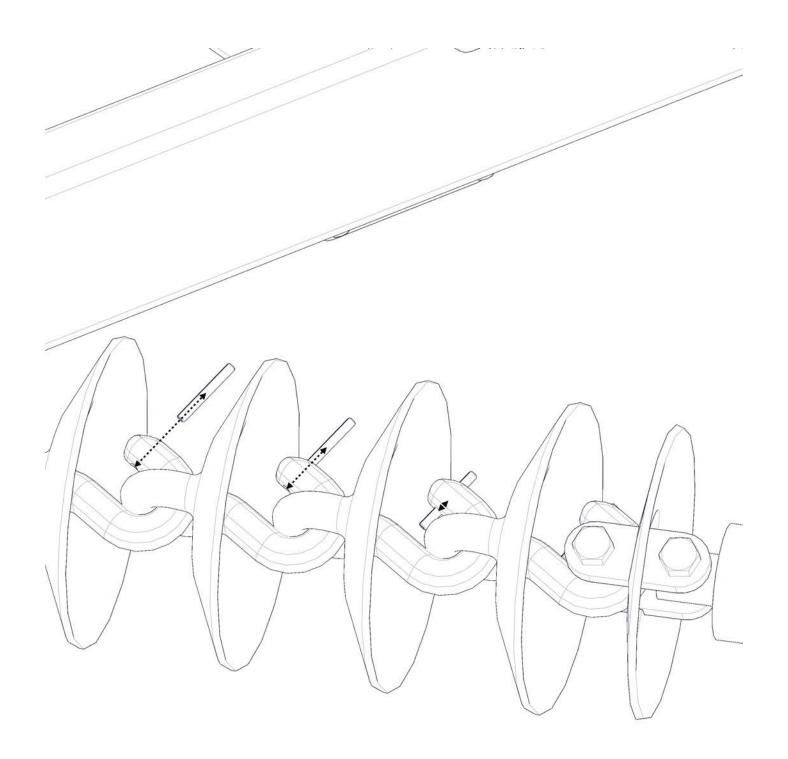


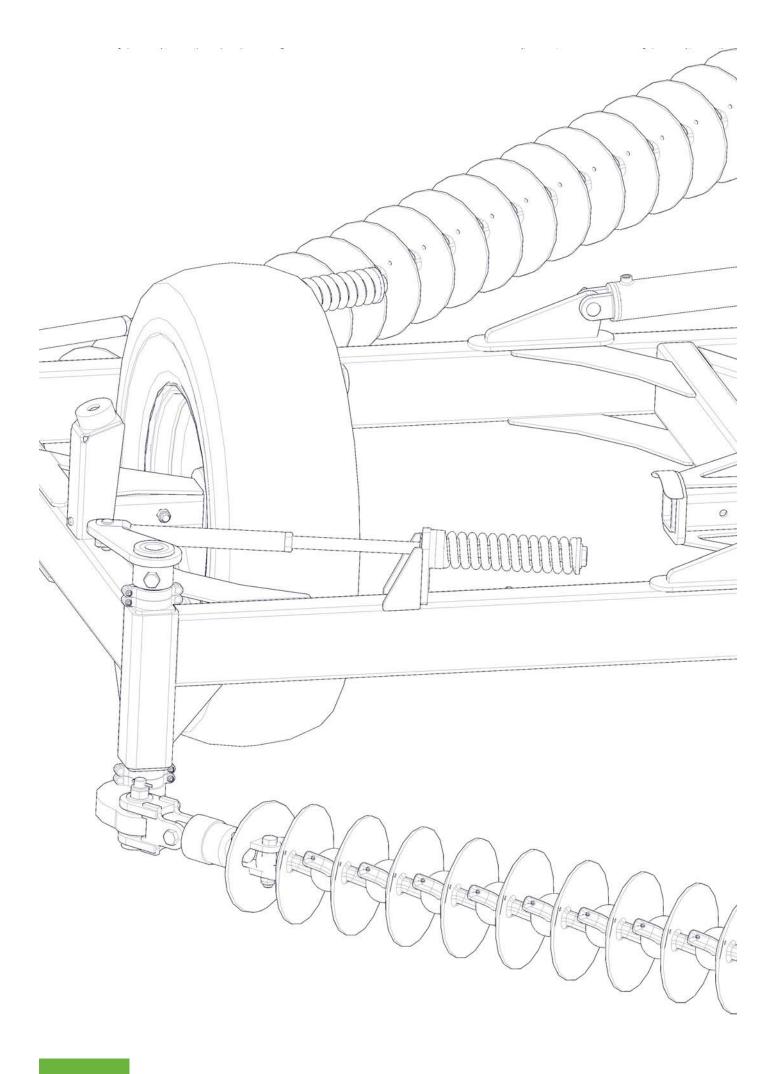


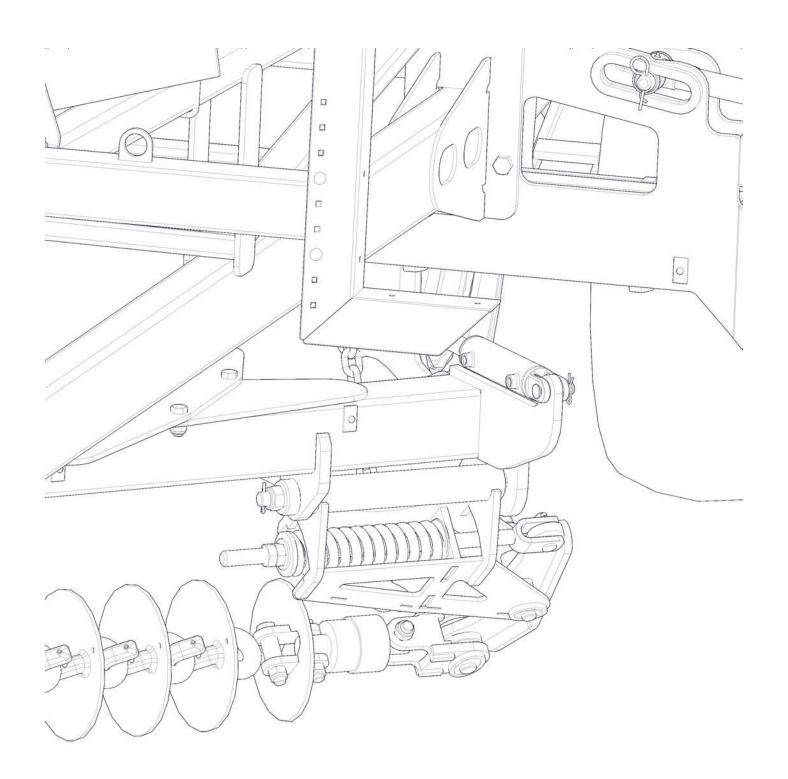


| Tem No. Description Oty Number 1 Safety Chain Assembly 1 0810-16 | | | | | <u> </u> | 200 |
|--|----------|-------------|--|---------------|--|--|
| 1 Safety Chain Assembly 1 0810-16 | Item No. | Description | Oty Number | / T | J / | 45 |
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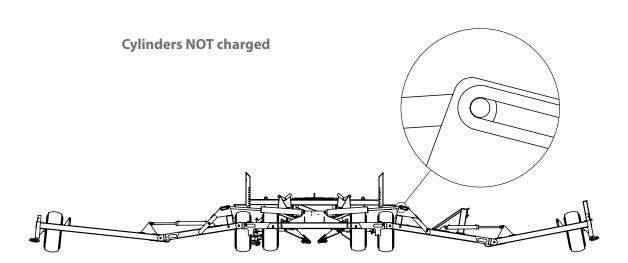
Section 3Hydraulic Setup

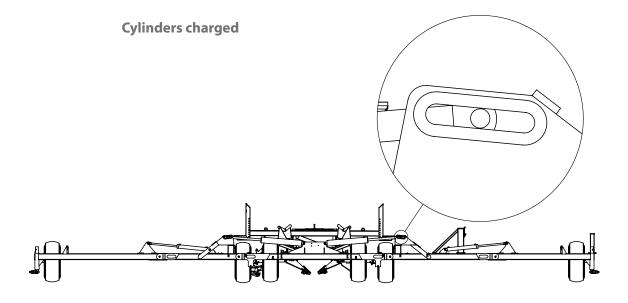


Before folding the machine for the first time, ensure all hydraulic cylinders are charged with oil.

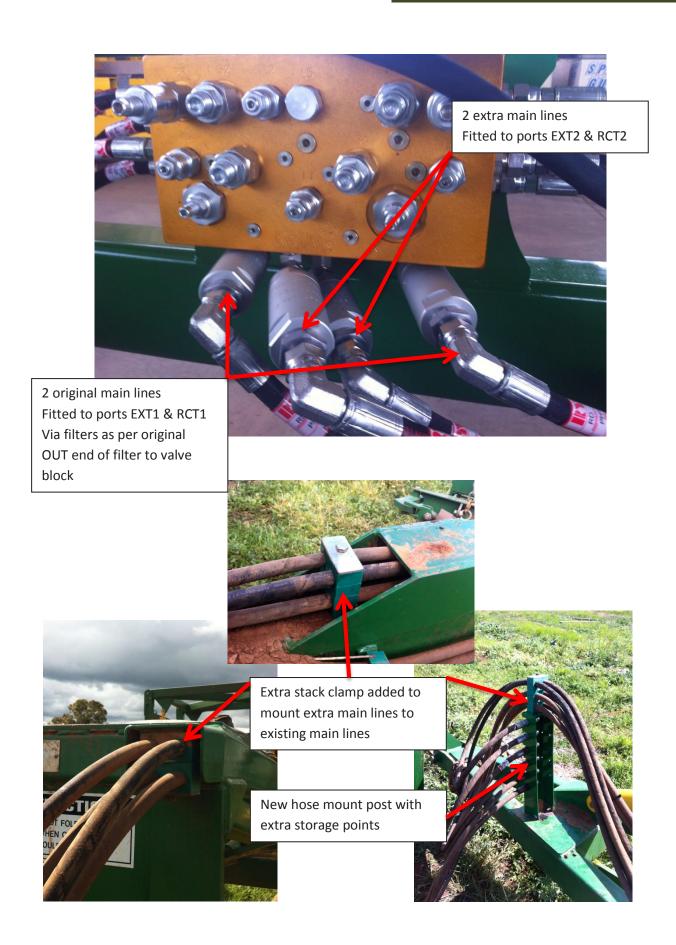
To do this, run the hydraulics through the unfold sequence until the outer wings are straight and the center cylinders are centered in the slots. (It may take a few minutes for the cylinders to charge completely).

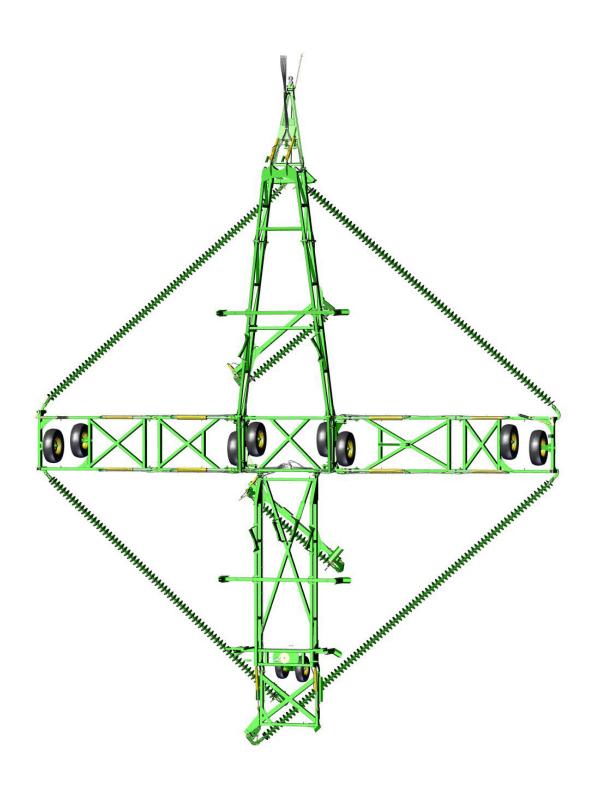
Failure to do this could result in severe personal injury and/or damage to the machine.

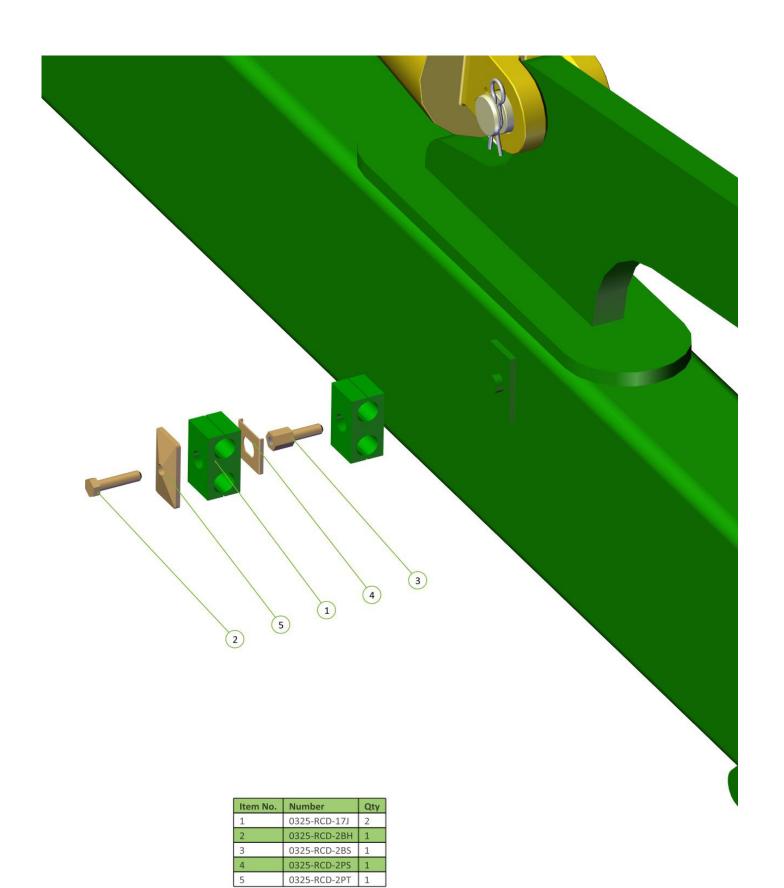


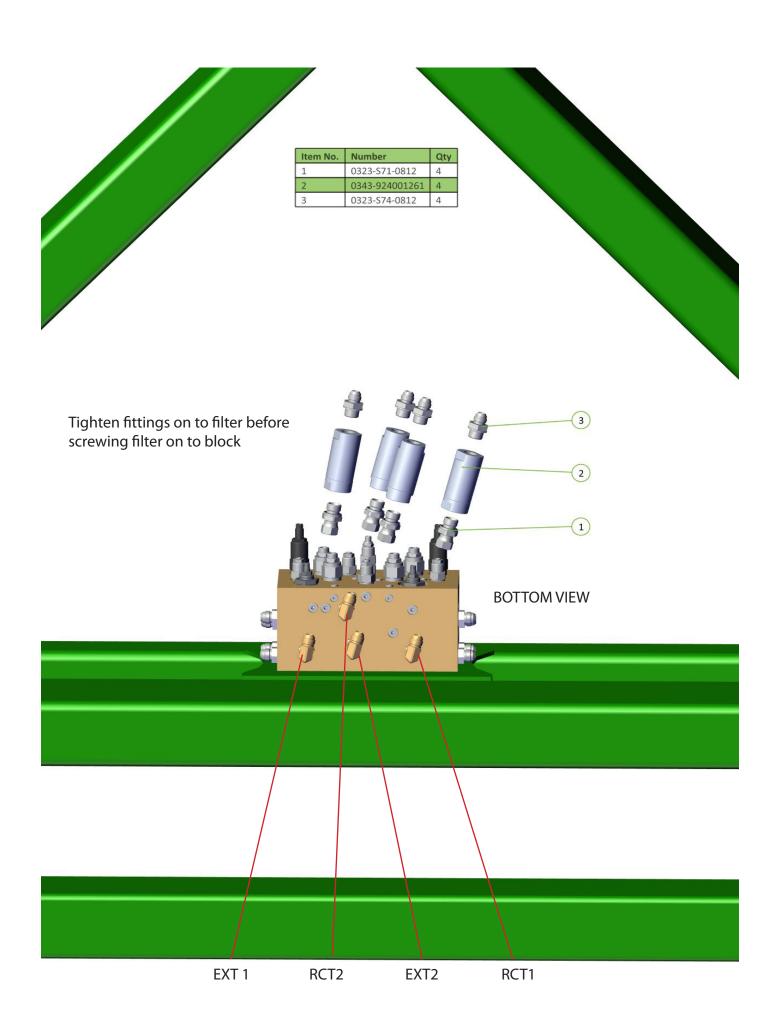


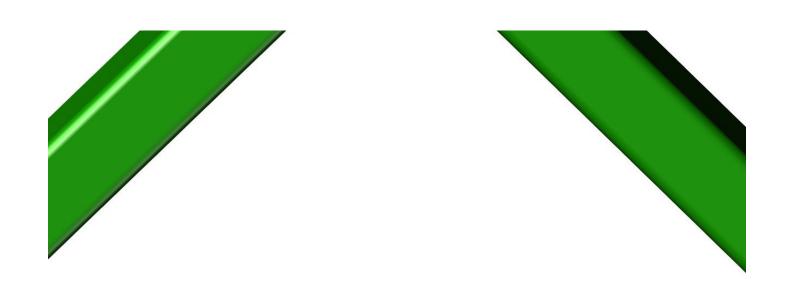
Hydraulic Valve Block

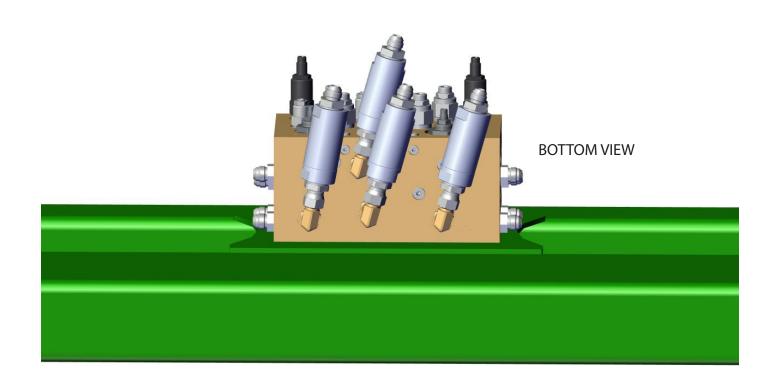


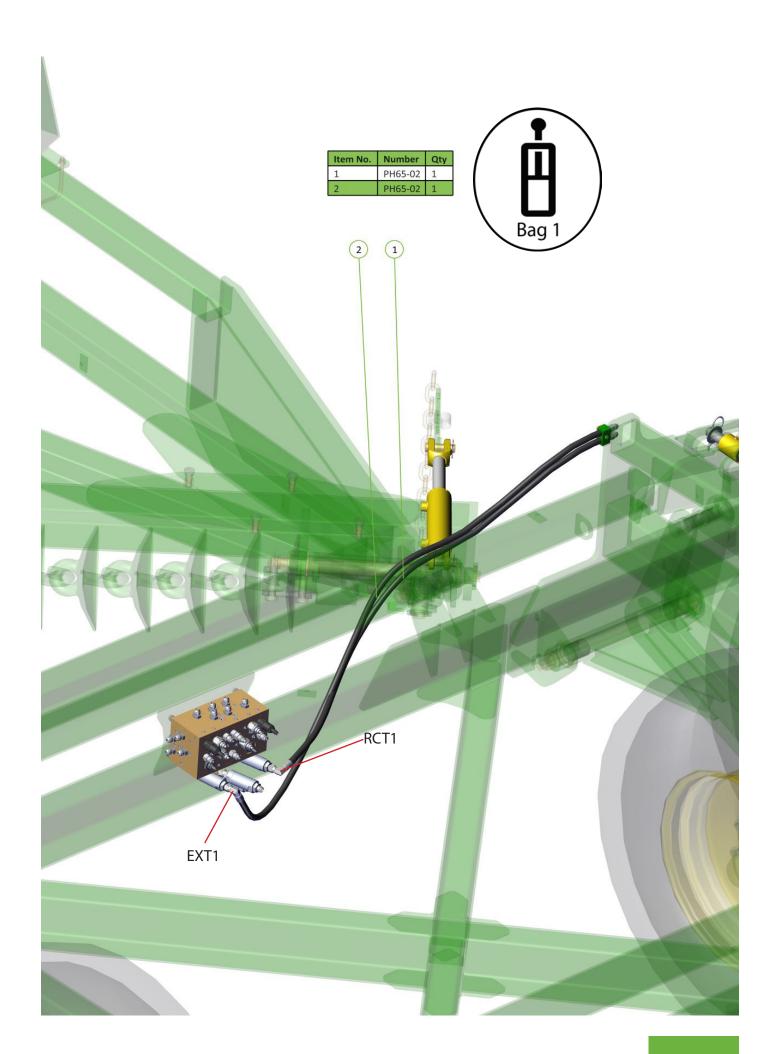


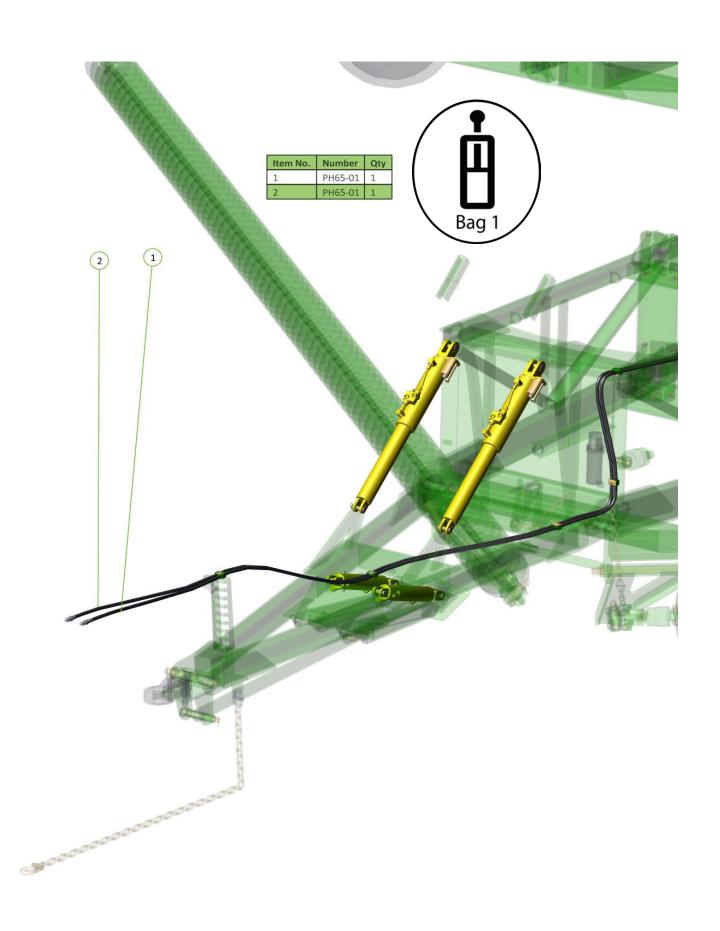


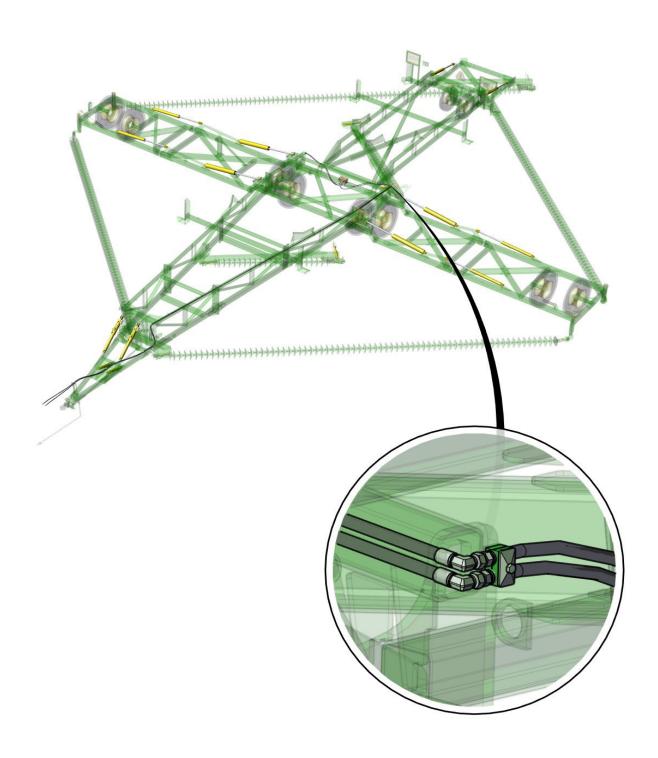


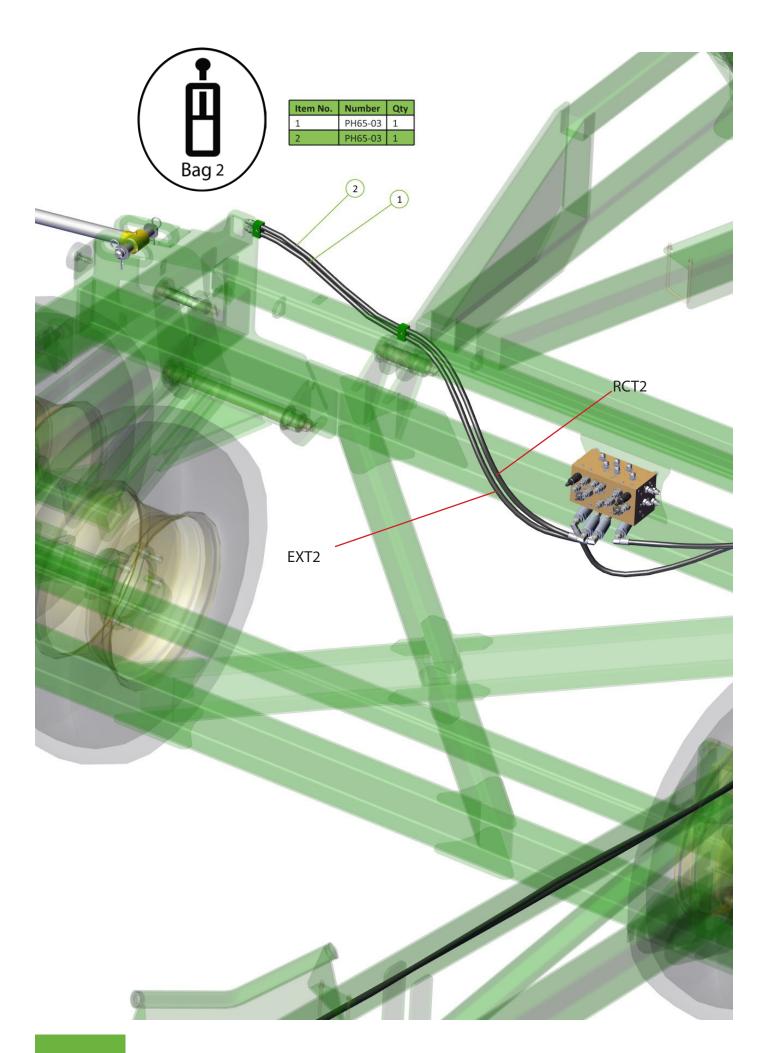


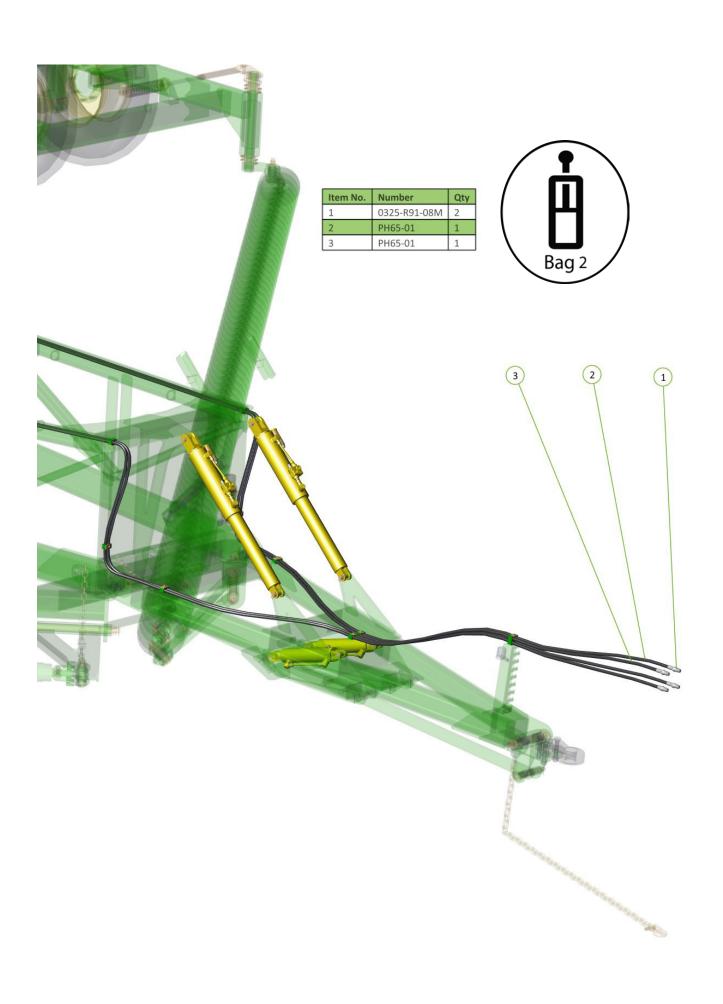


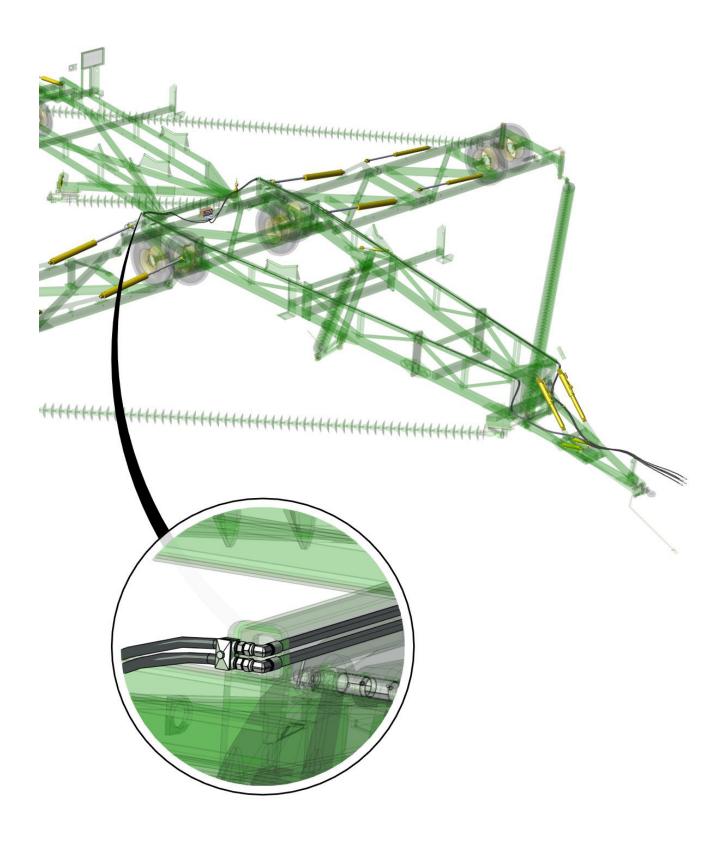


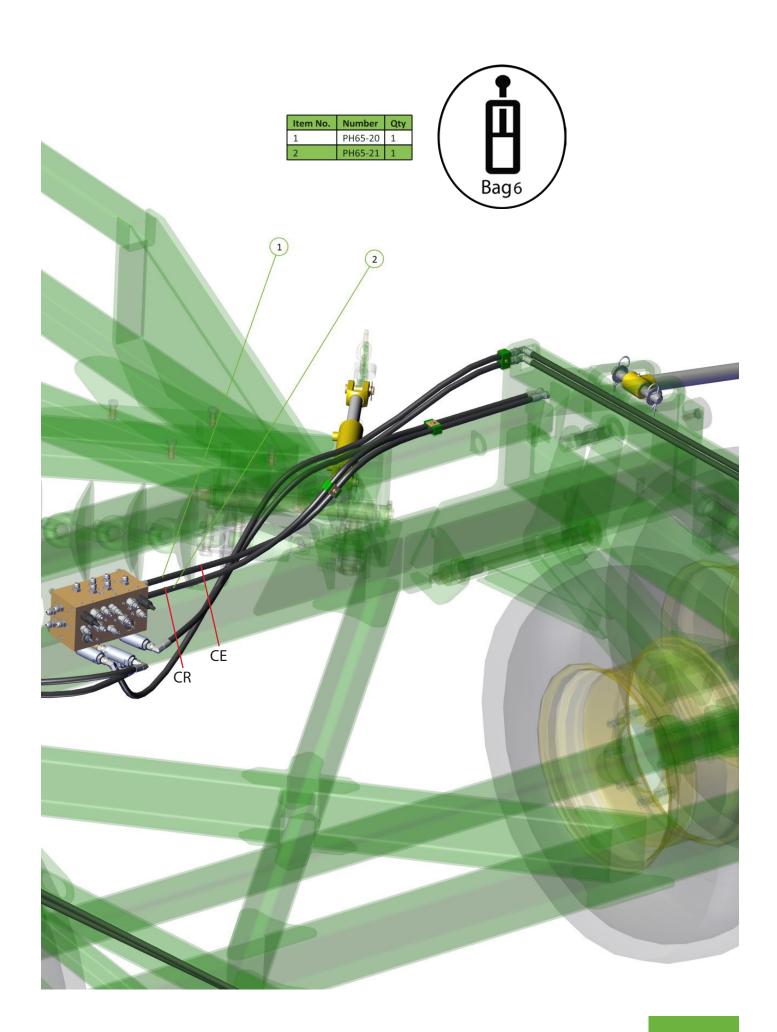


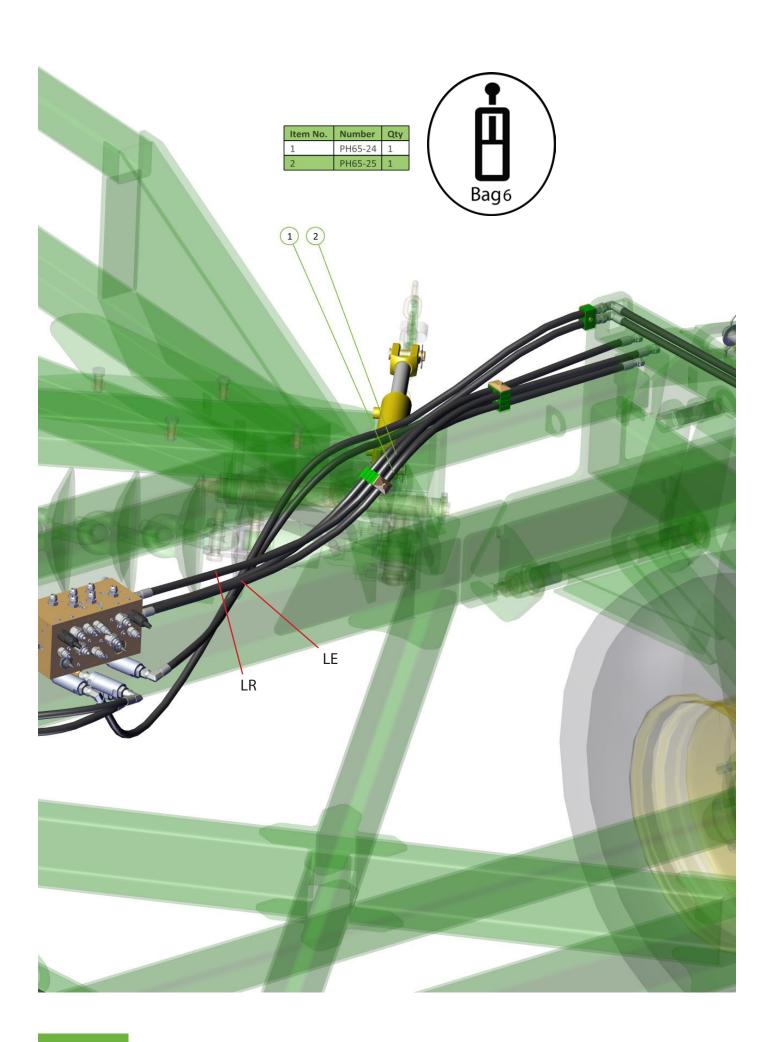


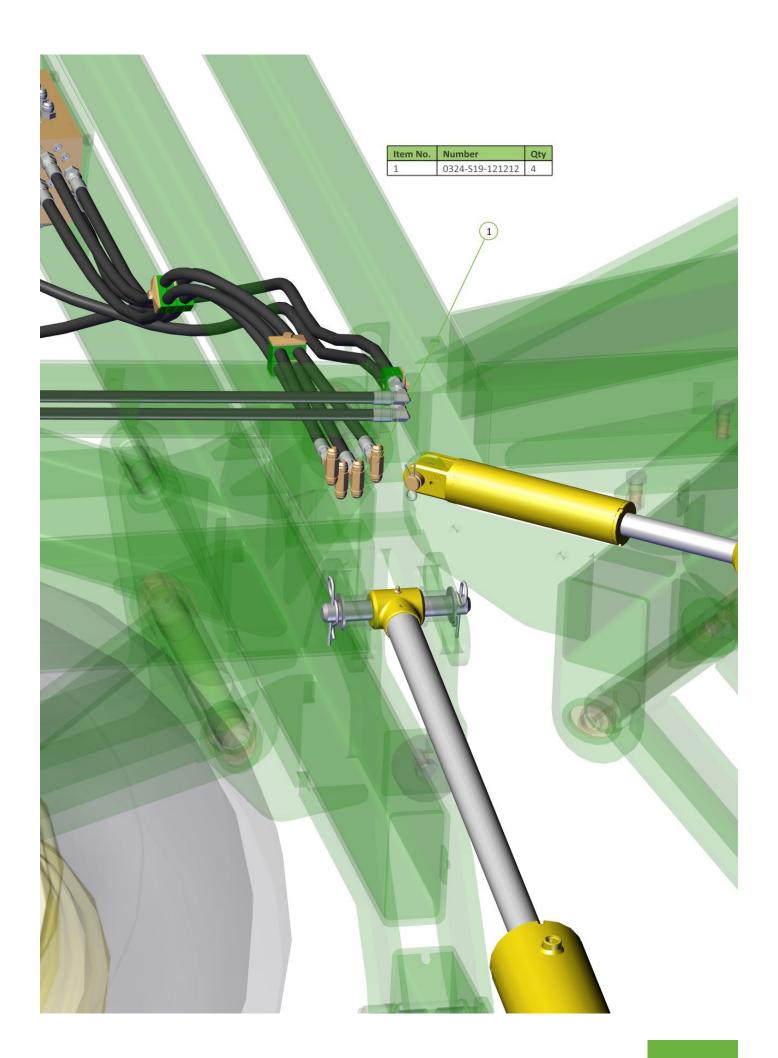


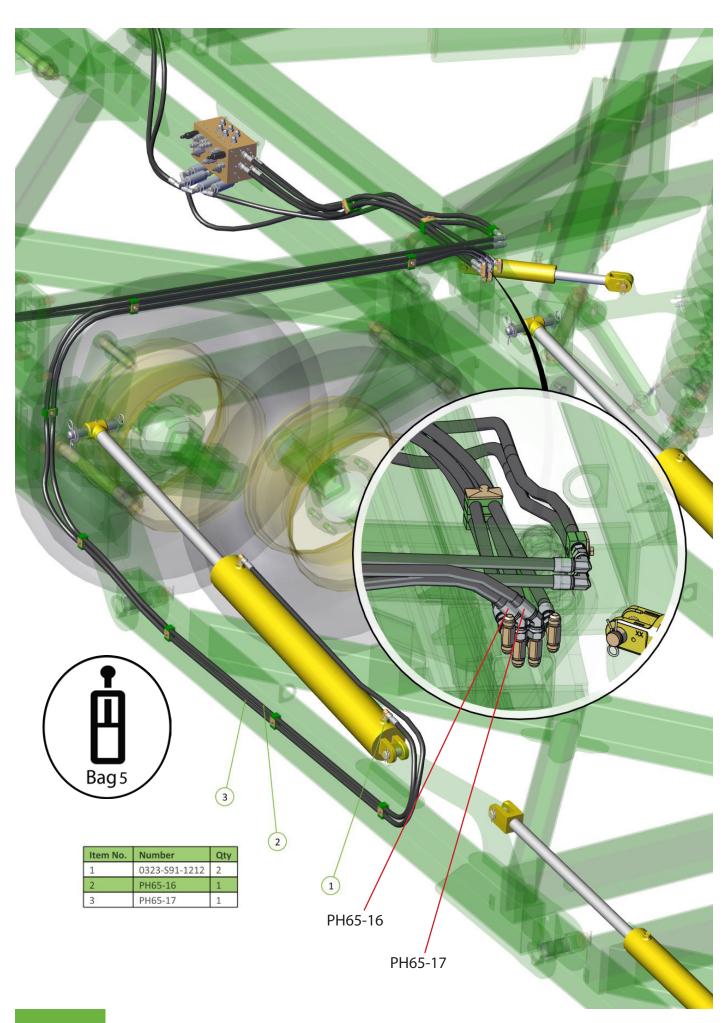


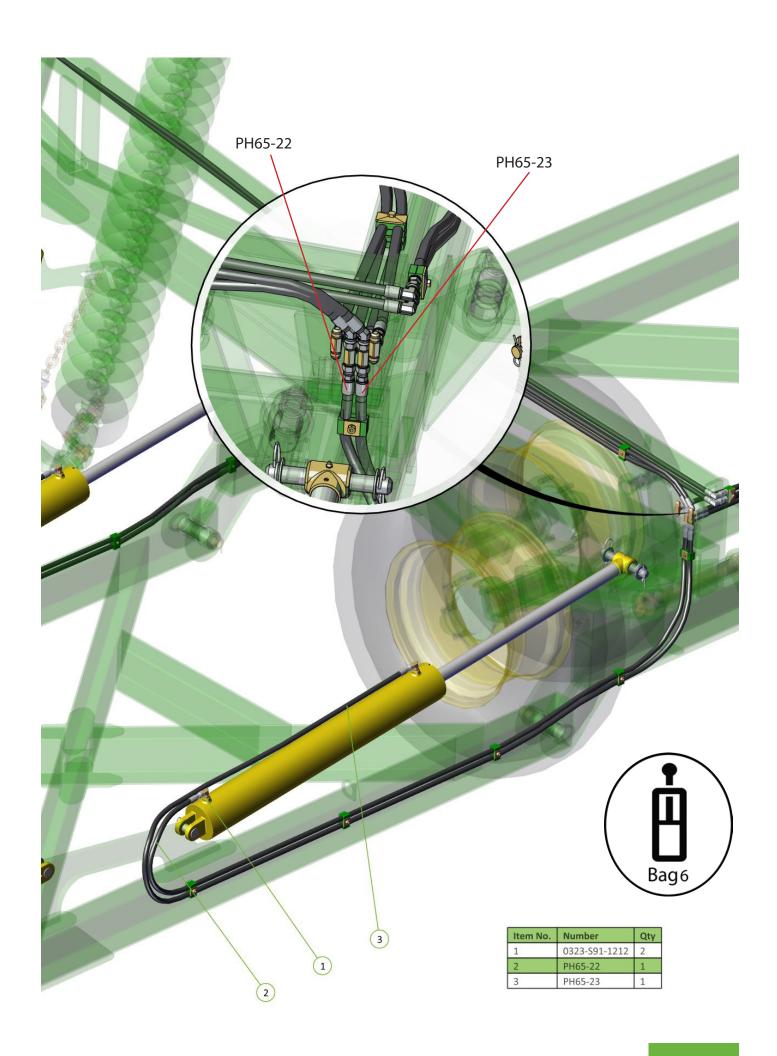


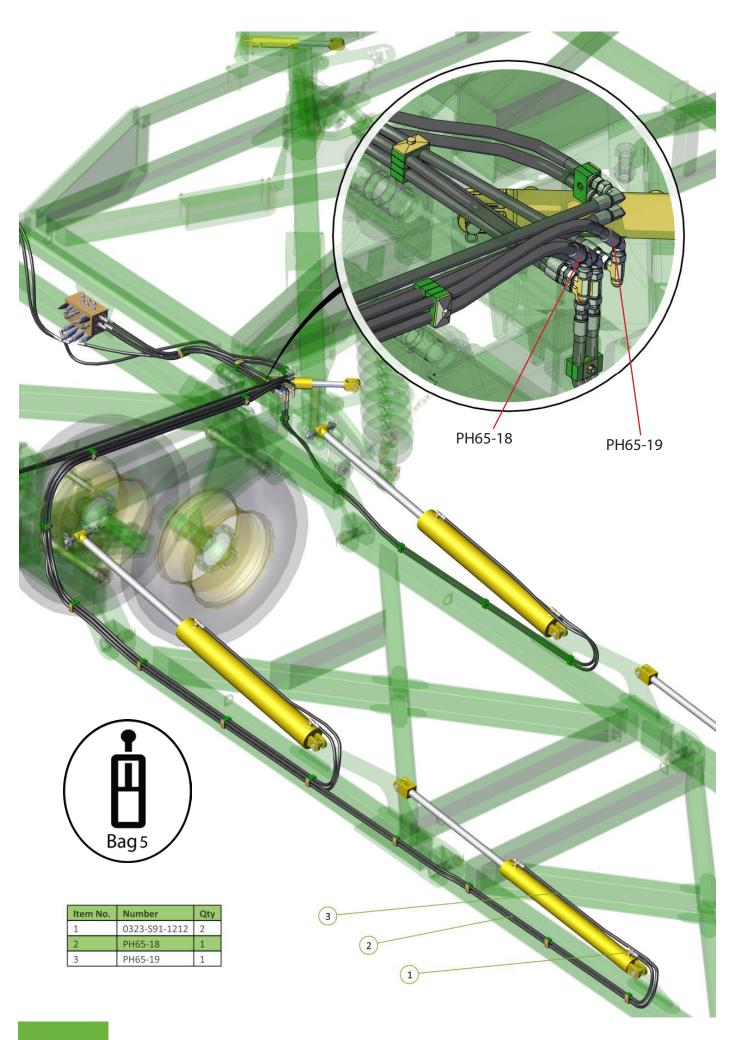


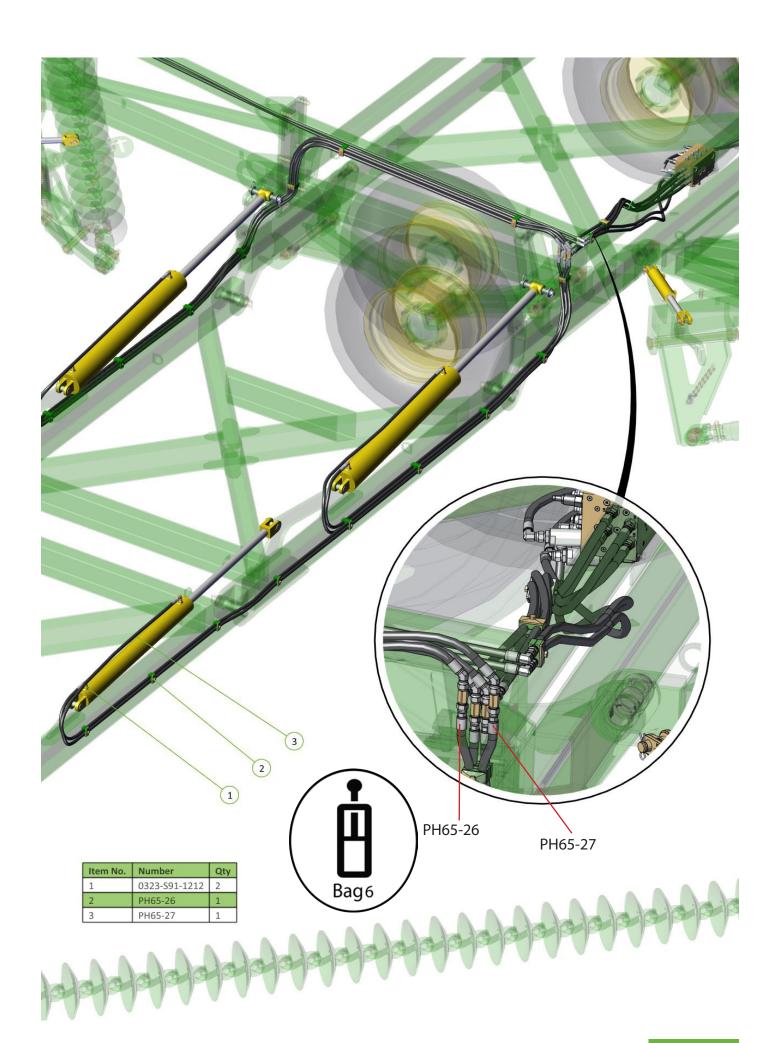


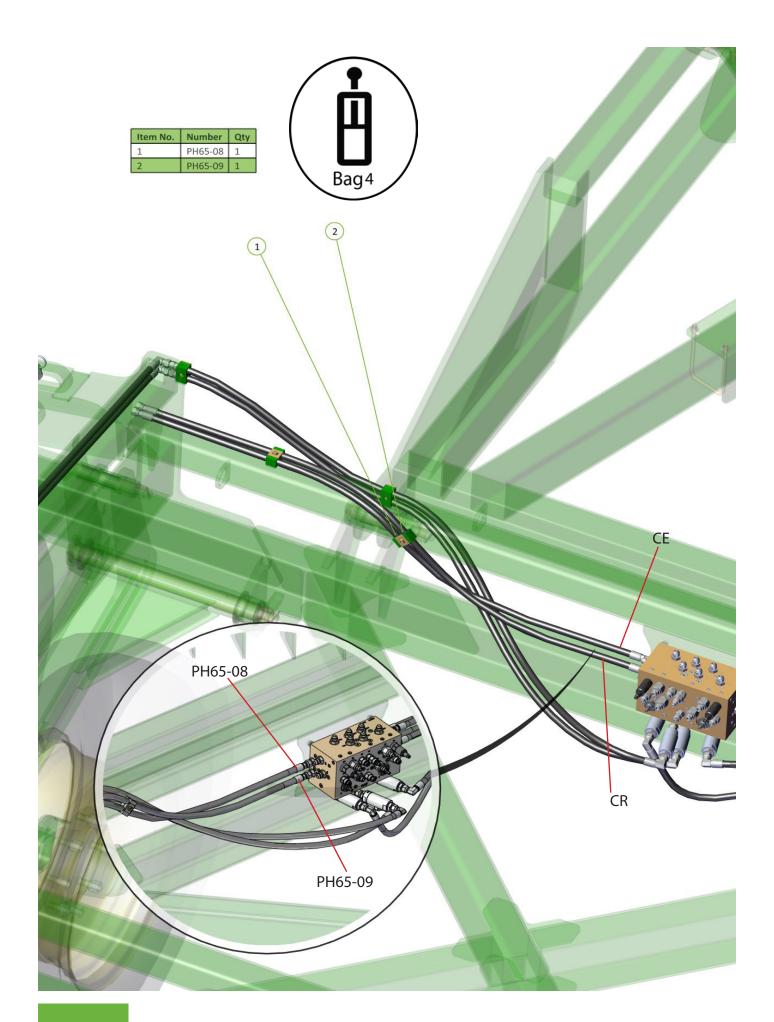


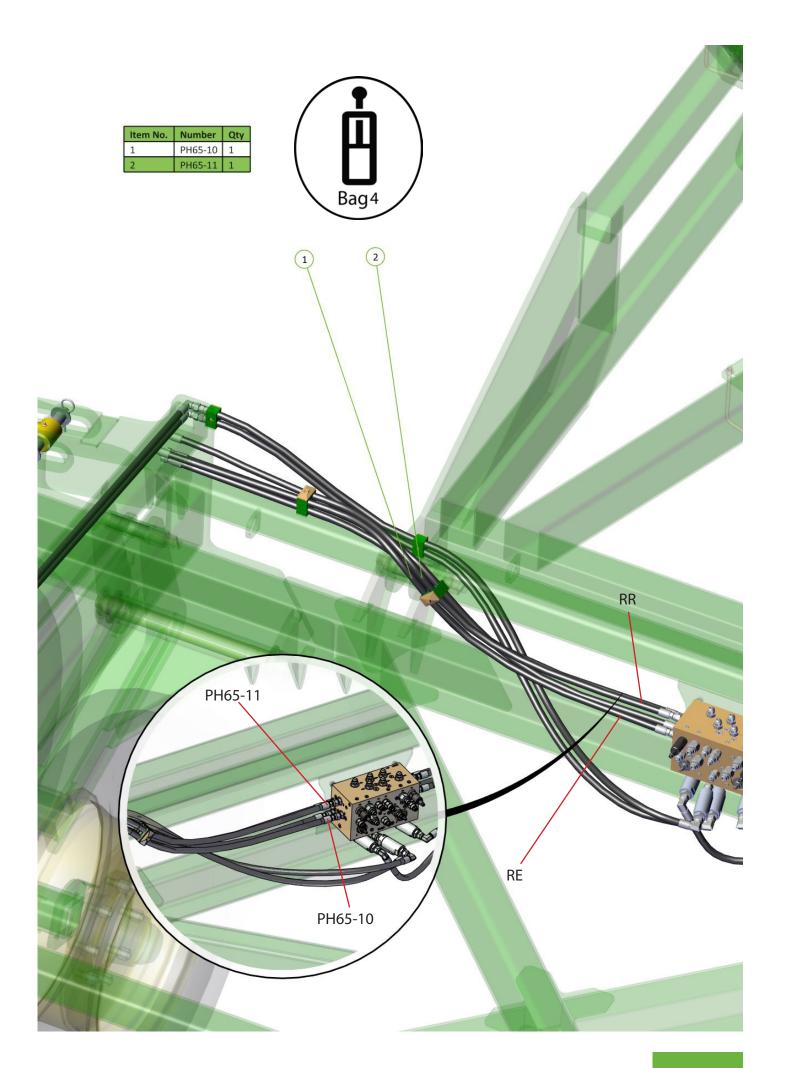


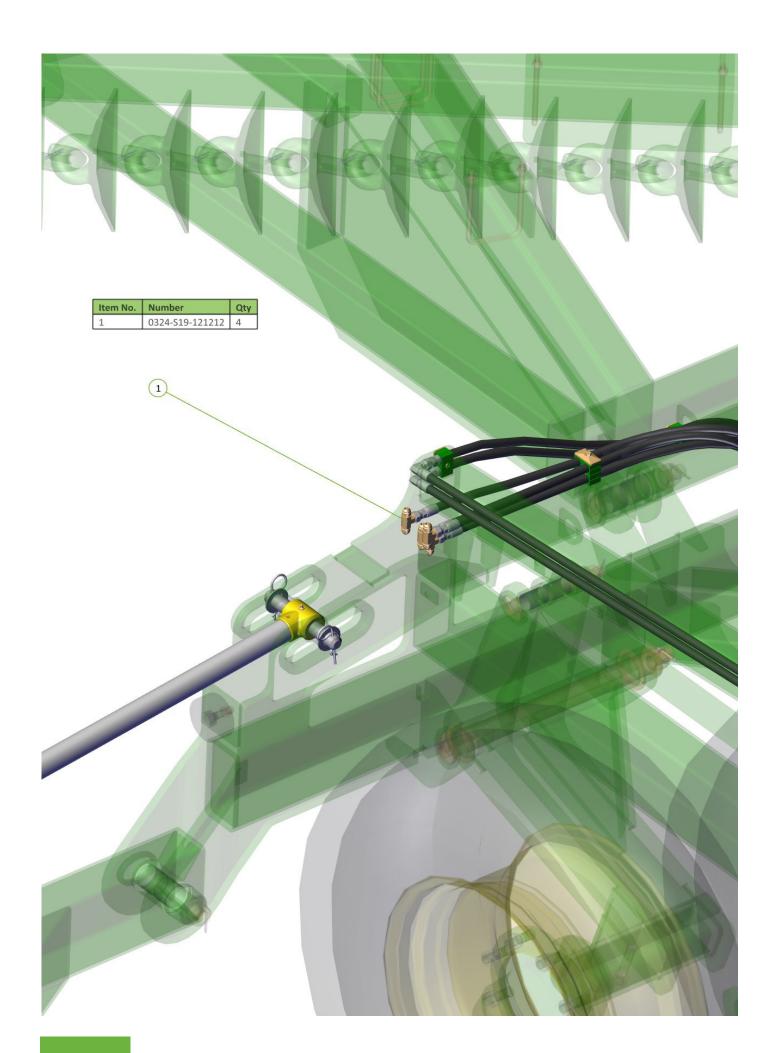


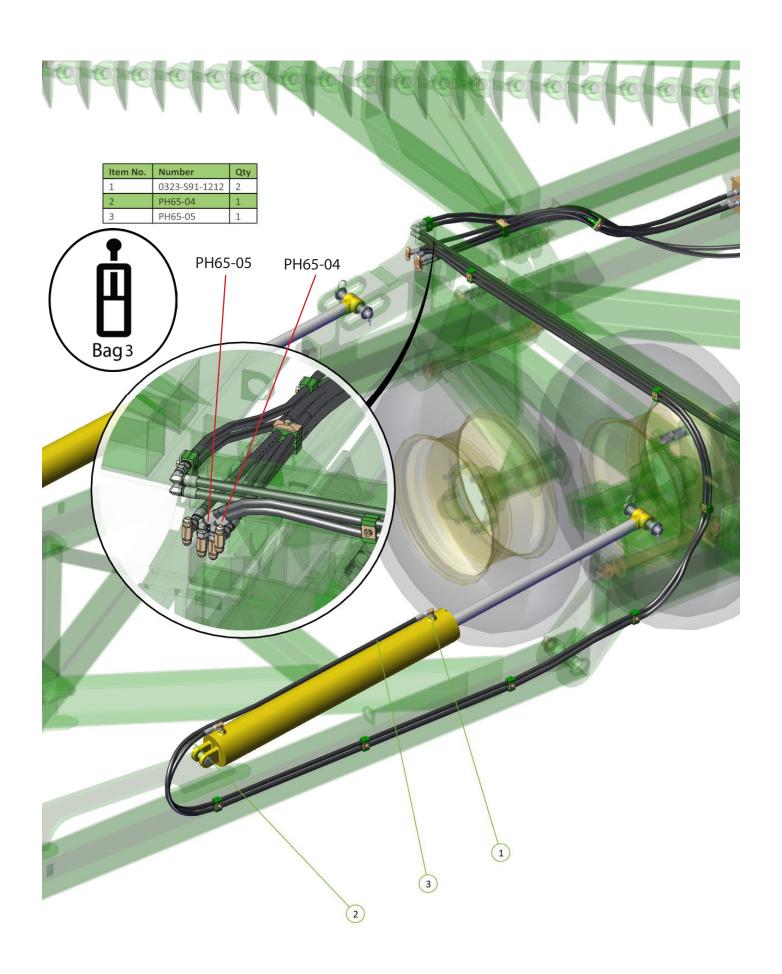


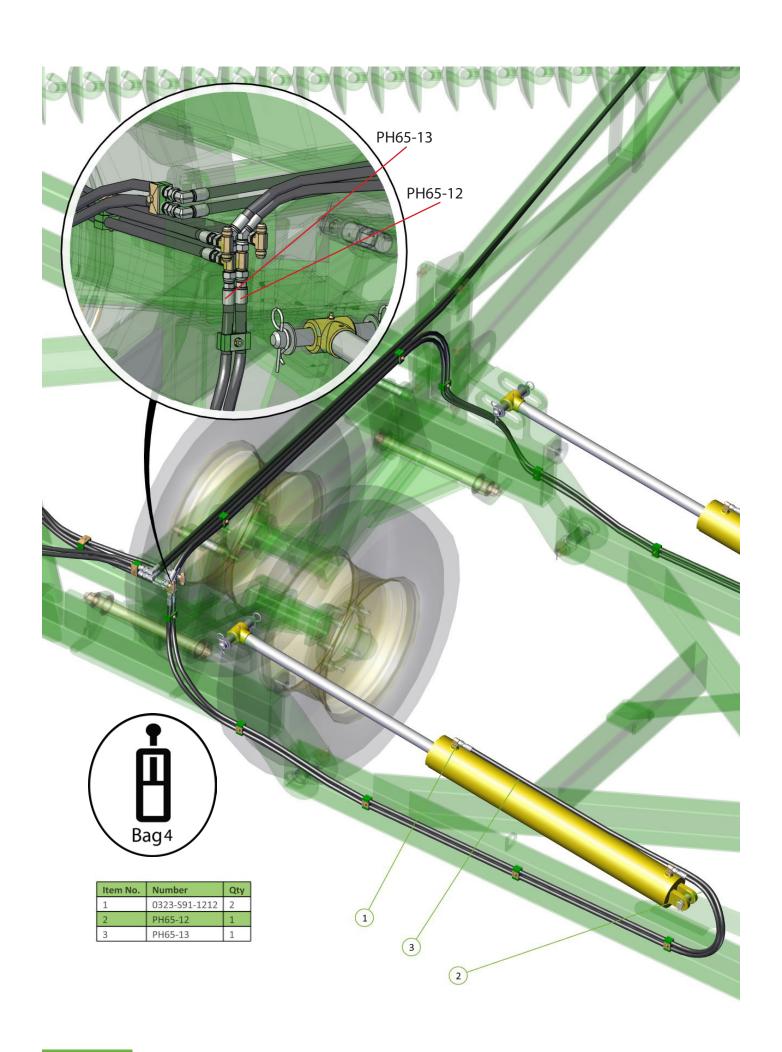


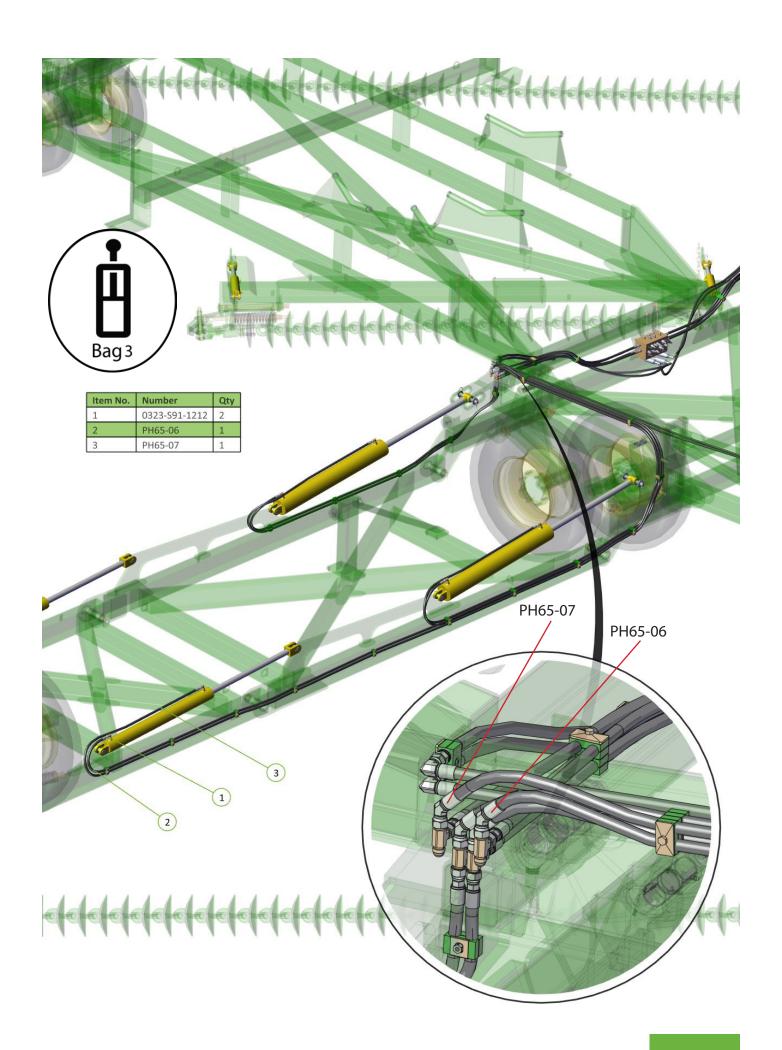


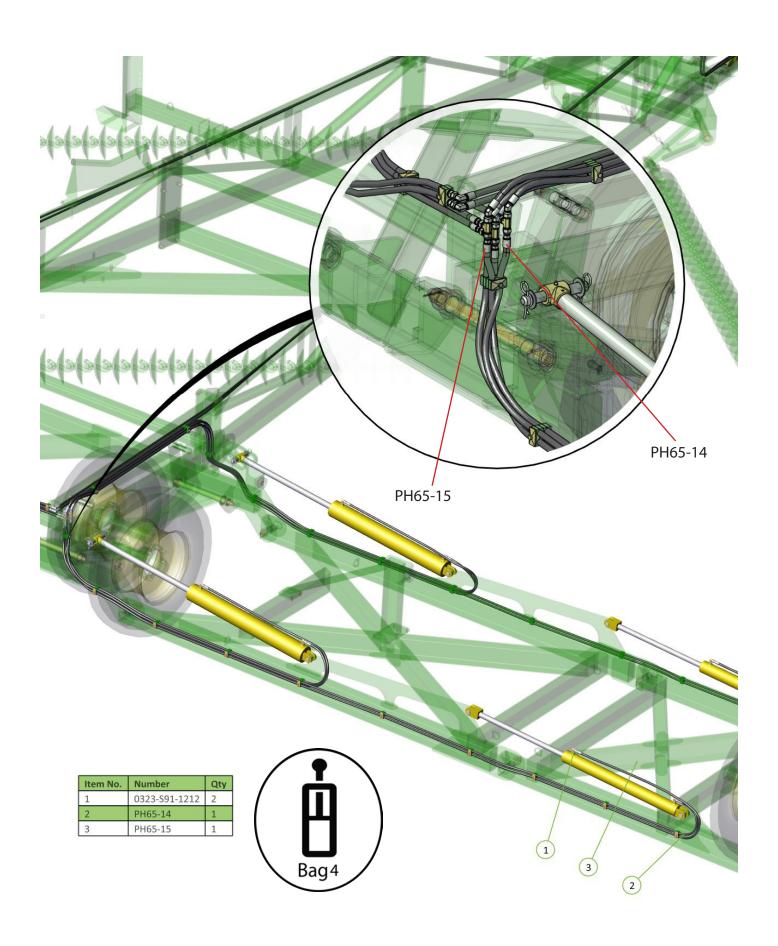


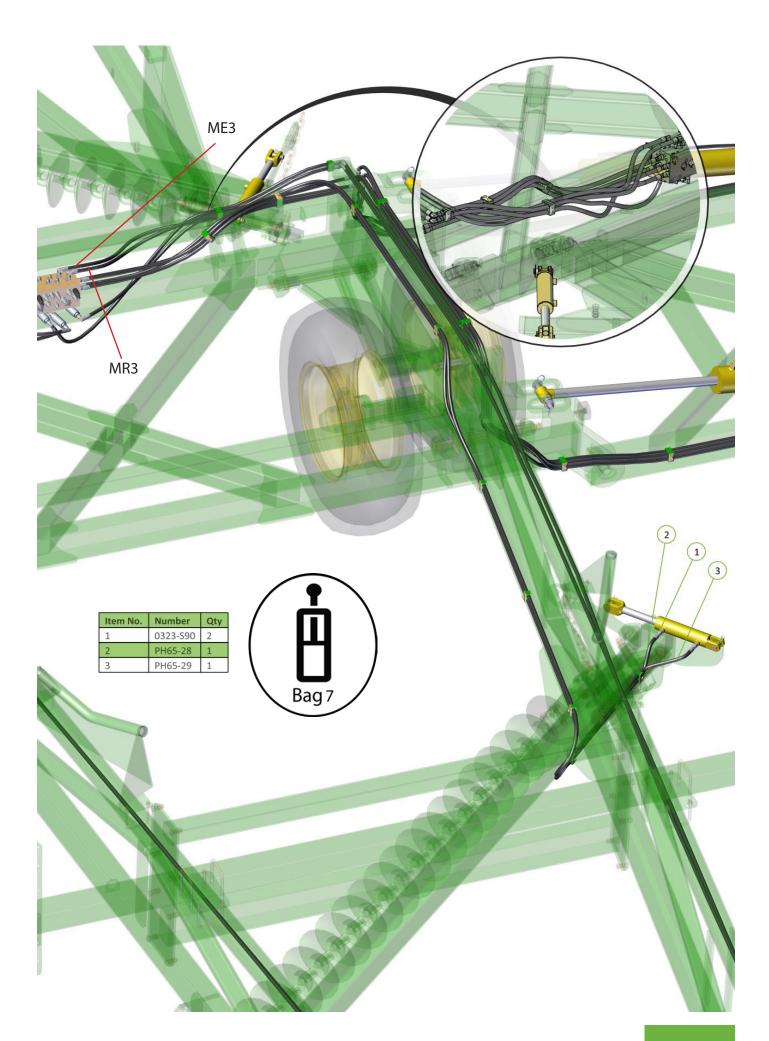


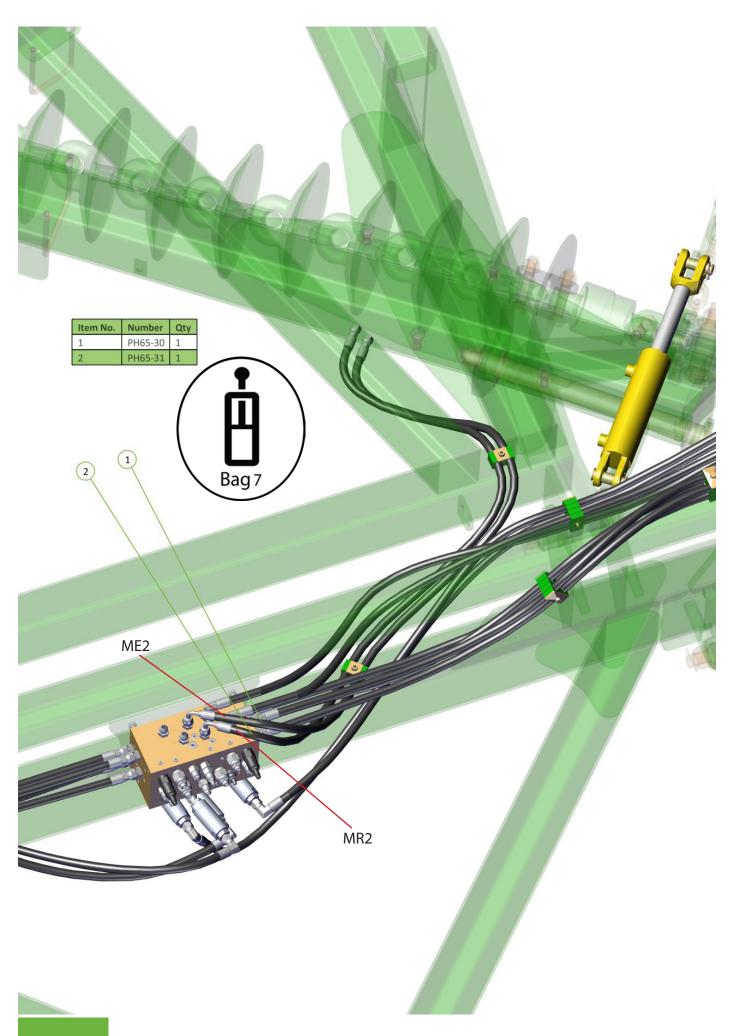


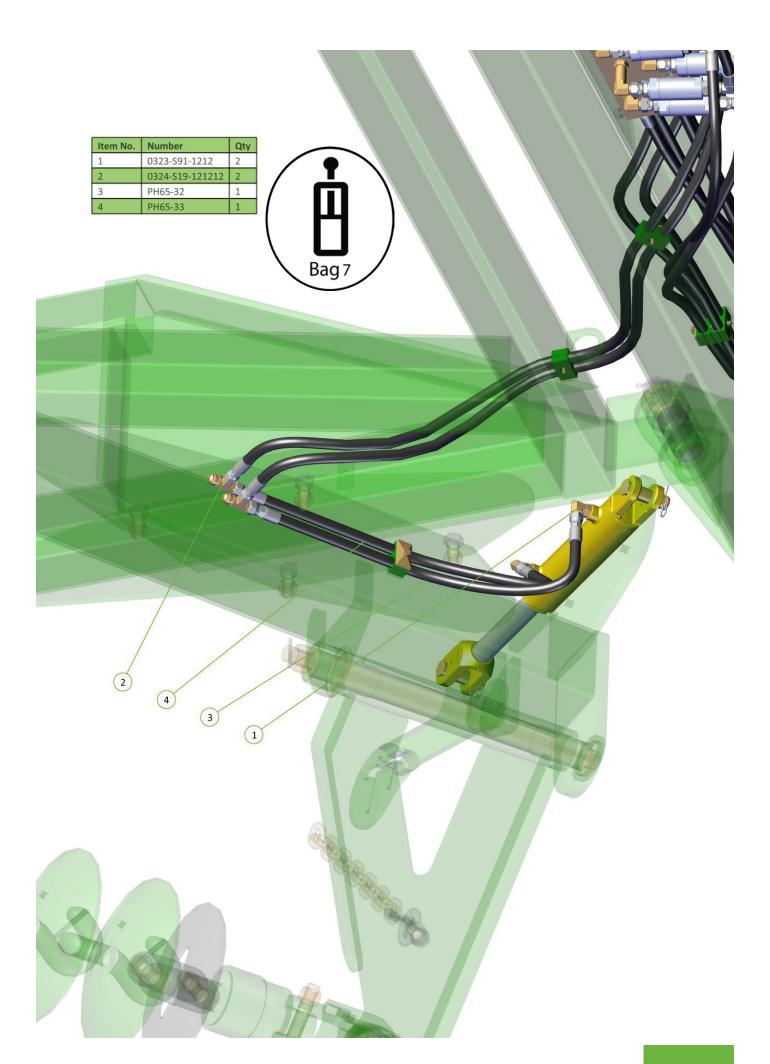


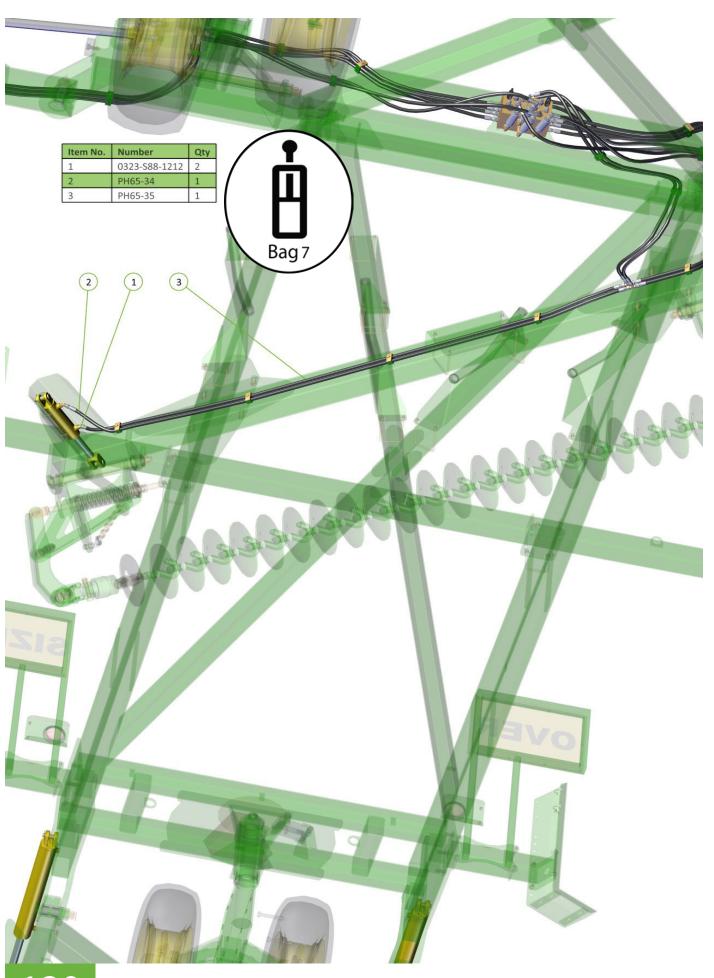


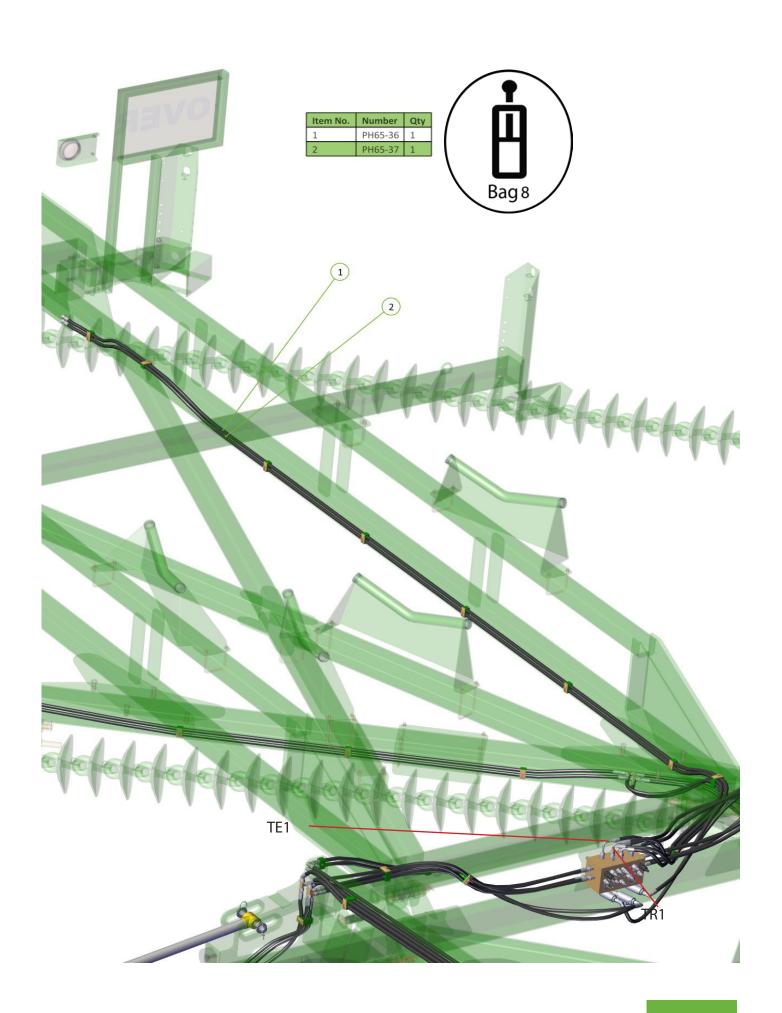




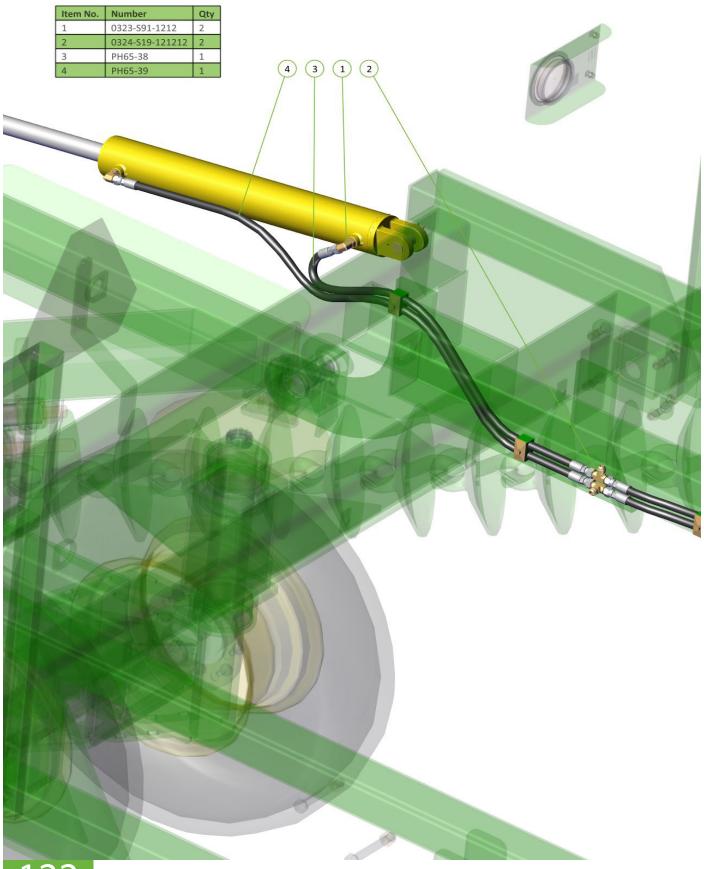


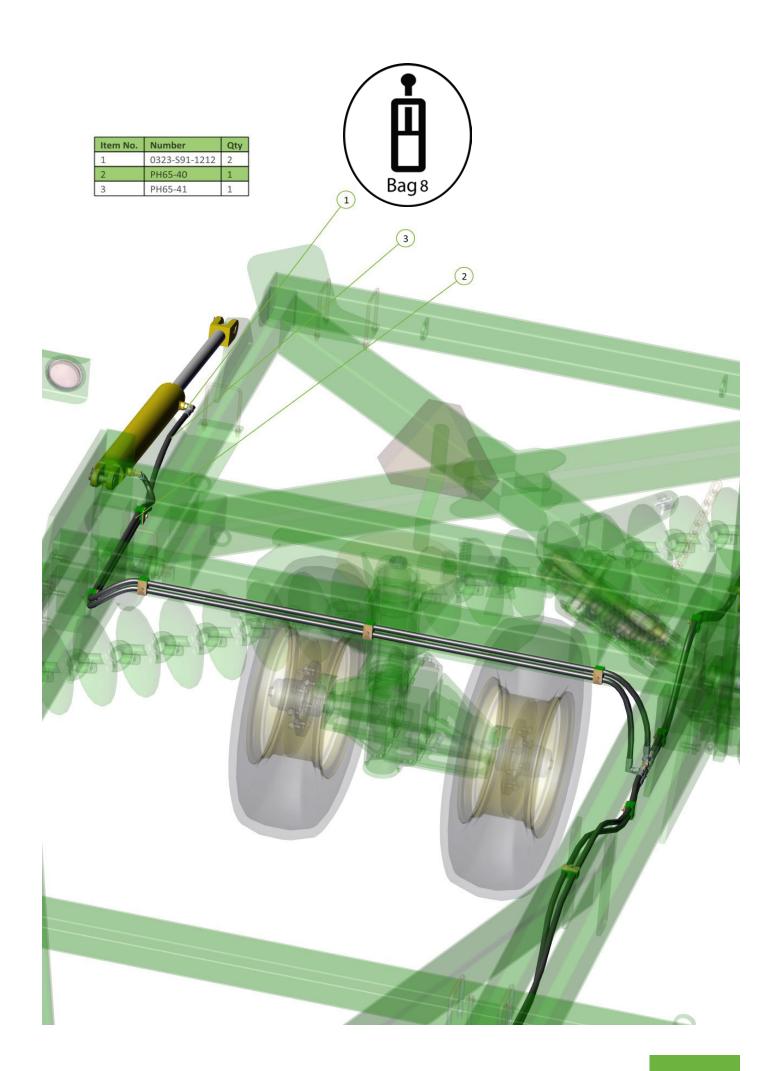


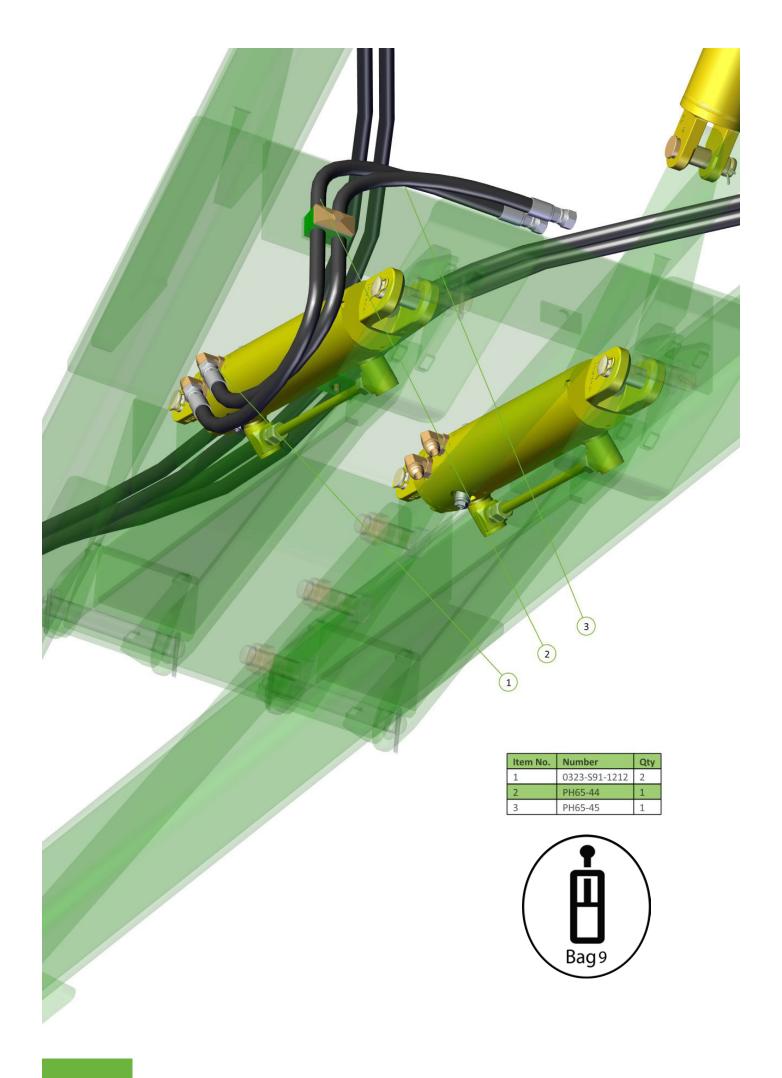


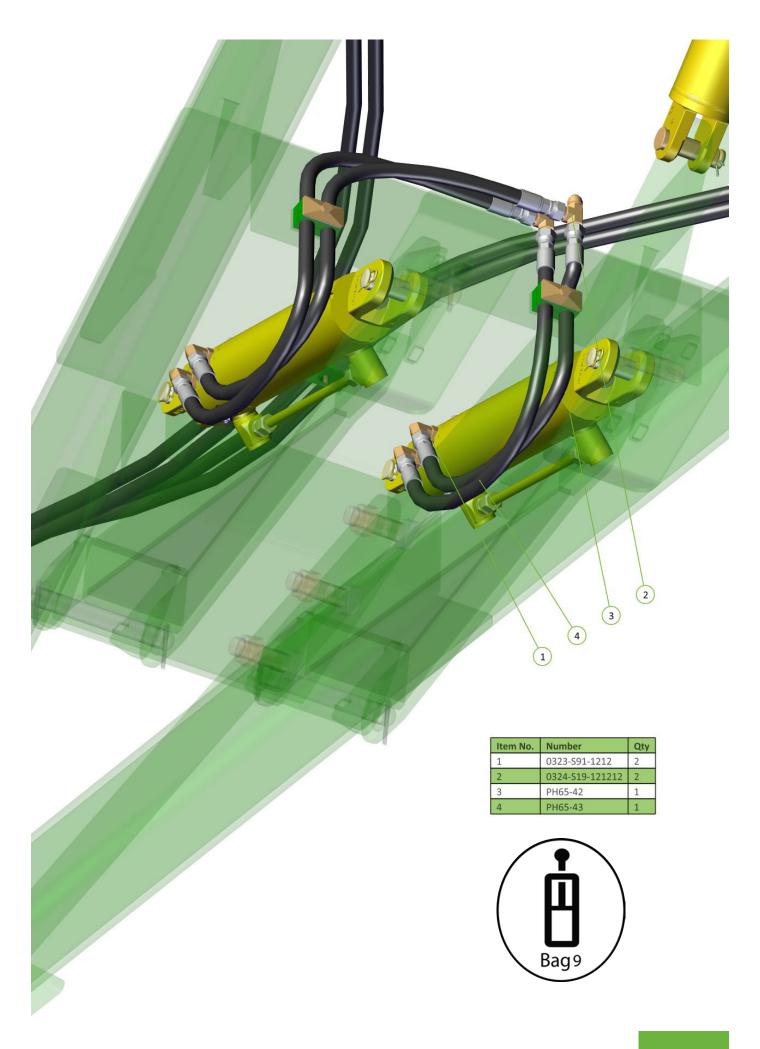


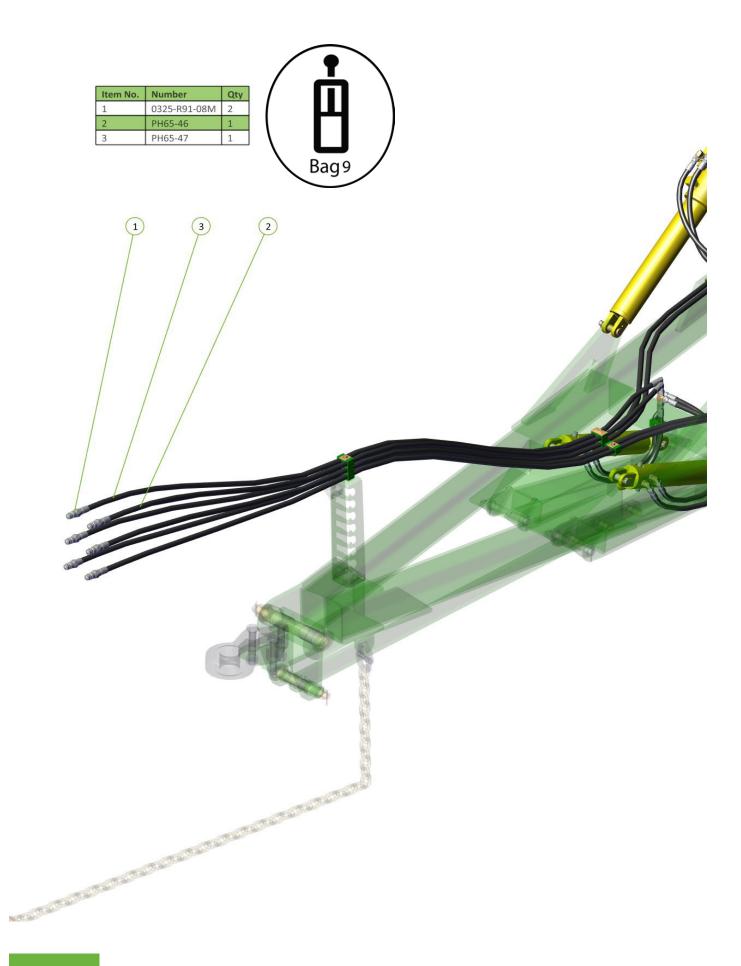


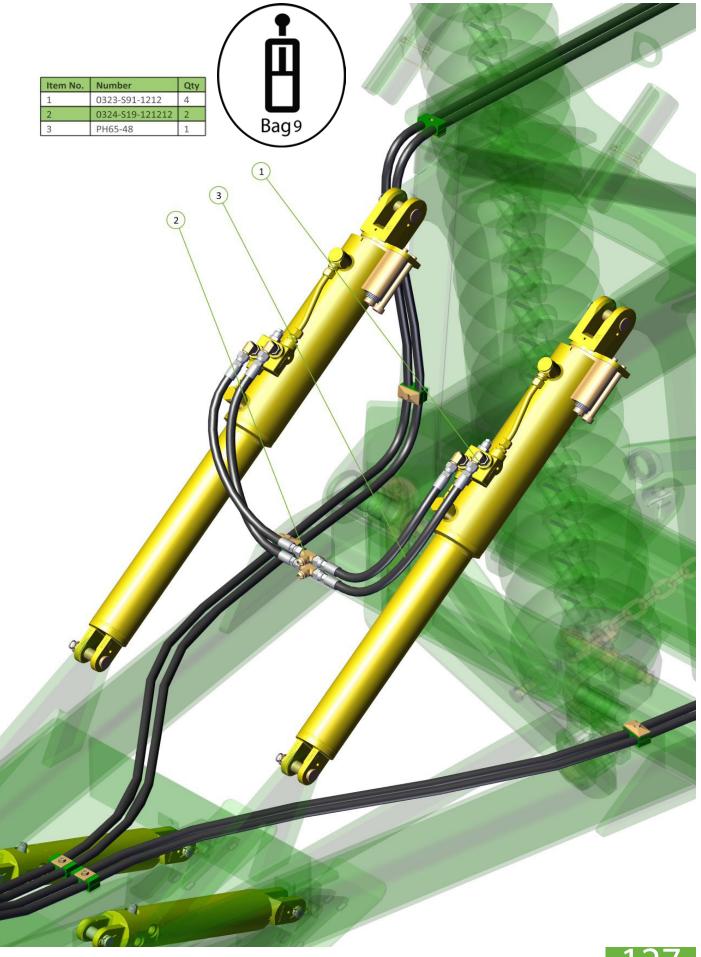


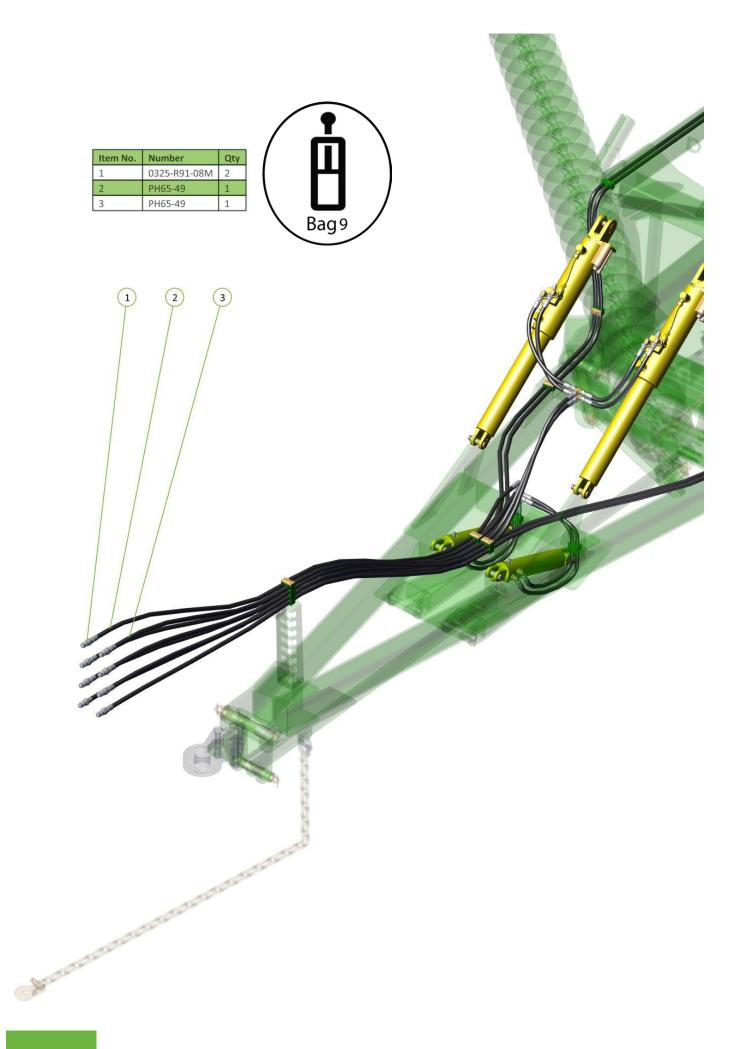












Hydraulic Fittings















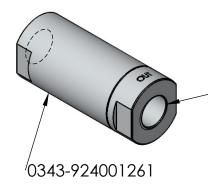










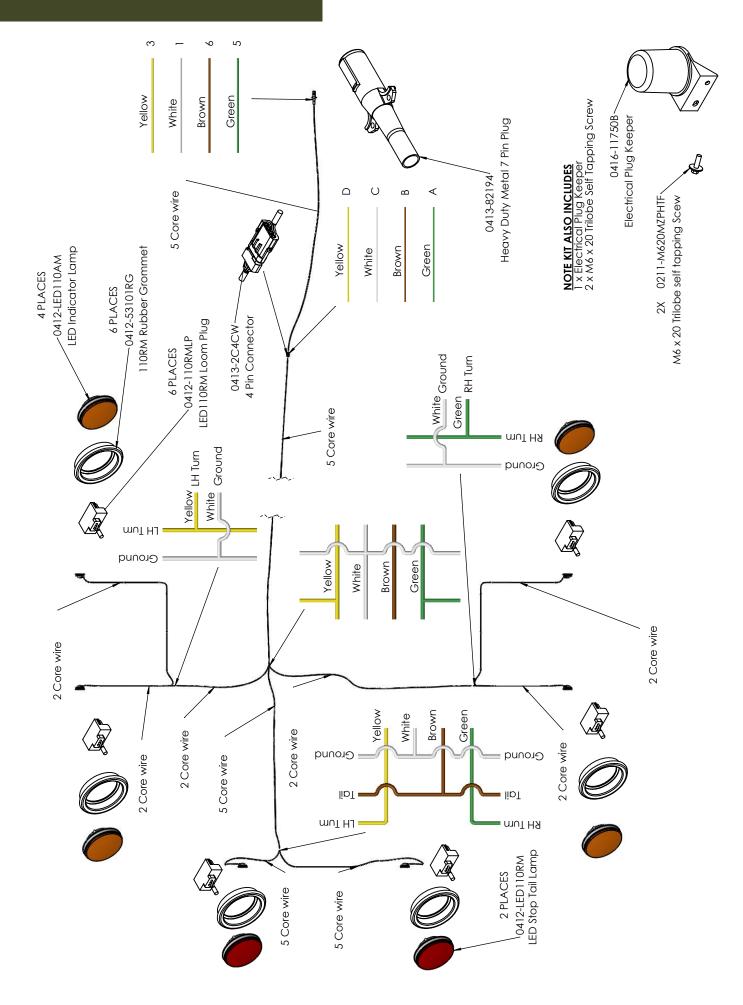


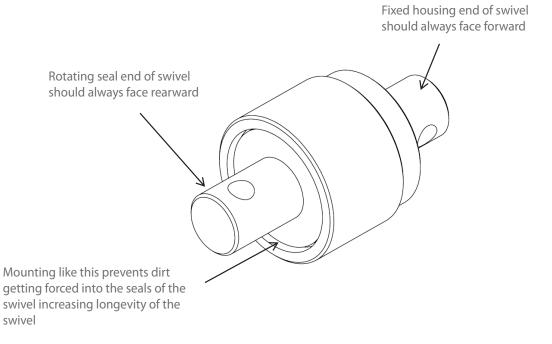
Note: Fit this end to valve block

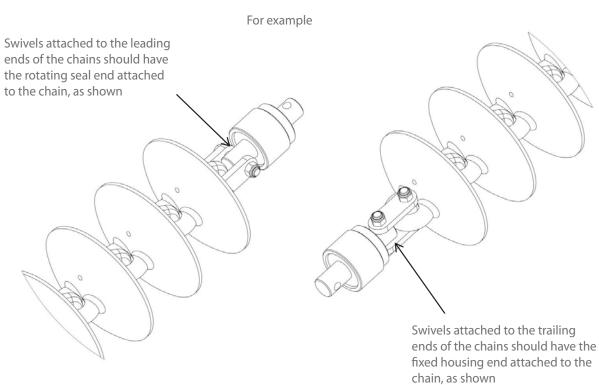
Hydraulic Fittings (cont.)

New Style Hose Clamp Components Fits Hose T5006A Old Style Hose Clamp Components Fits Hose T26A 0325-RCD-2BH 0325-RCD-3BH Double Clamp Bolt Group 2 Double Clamp Bolt Group 3 ω|4 25 Ø8 Ø8 0325-RCD-3BS 0325-RCD-2BS Double Clamp Stacking Bolt Group 3 Double Clamp Stacking Bolt Group 2 Ø8 Ø8 0325-RCD-3PB 0325-RCD-2PB RCD Mounting Clamp Bottom Plate RCD Mounting Clamp Bottom Plate 0325-RCD-2PS 0325-RCD-2PS Double Clamp Stacking Plate Double Clamp Stacking Plate 0325-RCD-2PT 0325-RCD-3PT Clamp top plate group 2 Clamp top plate group 3 0325-RCD-17J 0325-RCD-19J 17mm Clamp Jaws (Pair) 19mm Clamp Jaws (Pair) [<u>11</u>" |16 |⊅17

Section 4 Diagrams & Charts

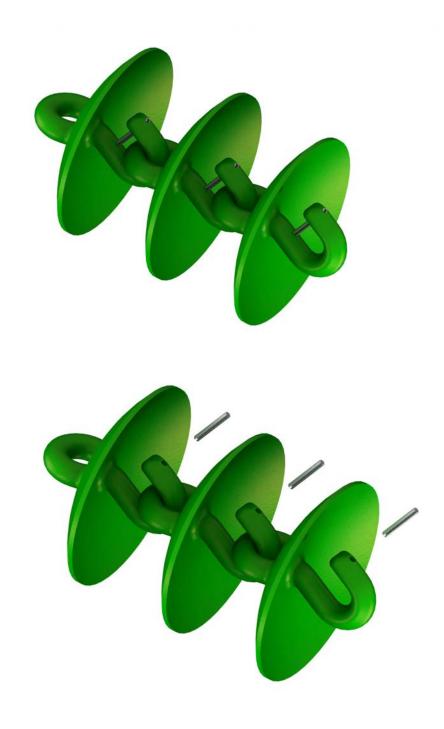






Please install cast link retaining Pins (3/8" x 3" Roll Pin, part number 0262-3-8X3) on all cast disc links (CL1 & CL2).

Failure to do this could lead to the discs becoming dislodged during transport causing severe damage or injury.



Operating speeds

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

Tire pressure

| Tire 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 |

Chain Harrow specifications

| Model | 62′HDX |
|------------------|------------|
| Working width | 62′/18.3m |
| Transport width | 16.3′/5.0m |
| Transport height | 14.6′/4.5m |
| Transport length | 72′/22.0m |

Bolt Torque Settings

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

[1] When fitting a wheel & tire to a hub, tighten the wheel nuts in rotation to the correct tension. To achieve this choose a wheel nut & tighten, then proceed clockwise 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.

| Model | | Length | CL2 | CL1 | W36 | R300 | SD49 | Prickle chain | |
|------------|---------------|-------------|---|-----|-----|------|------|------------------|--|
| | | | CL2 disc chain also requires CL1 disc chain | | | | | | |
| 62' HDX | Front right | 37.1′/11.3m | CL2 - 52 CL1 - 2 | 71 | 70 | 93 | 93 | 129 | |
| | Front left | 37.1′/11.3m | CL2 - 52 CL1 - 2 | 70 | 69 | 91 | 91 | 127 | |
| | Rear right | 45.5′/13.9m | CL2 - 51 CL1 - 16 | 85 | 84 | 111 | 111 | 154 | |
| | Rear left | 37.1′/11.3m | CL2 - 52 CL1 - 2 | 71 | 70 | 92 | 92 | 128 | |
| | Modules front | 11.2′/3.4m | CL2 - 13 CL1 - 3 | 21 | 21 | 28 | 28 | 38 | |
| | Modules rear | 11.2′/3.4m | CL2 - 14 CL1 - 2 | 21 | 21 | 28 | 28 | 38 | |

Section 5Operation & Technical Bulletins

Basic Operation

Unfolding:

- 1. Walk around and inspect the machine.
 - a. Check that chains are not hooked on framework
 - b. Check swivel bolts are in place and not broken
 - c. Check that height adjusting chains have not fallen out of their slotted plates during transport.
- 2. Lower front A frame to working height.
- 3. Unfold wings holding the hydraulic lever until the tail is in working position and the main center cylinder pins have centerd in their slots.
- 4. 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.
- 5. Move off with all chains in working position. If neccessary it is acceptabe to raise front A pull to transport height. This will lift the front chains off the ground and reduce the load on the tractor. Lower the front A pull once moving satisfactorily.

Folding:

- 1. Lower the front A frame to working height. (This is important to ensure that all chains locate correctly in their transport rests).
- 2. Fold the wings. They should move as follows; modules will raise, tail will raise, 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.
- 3. Raise front A frame to transport height.
- 4. Walk around and check that chains have located correctly in transport rests.

Setting for correct chain tension

Wings

Use the spanner supplied. Loosen the lock nut adjacent to the tensioner assembly body. Turn the tension bolt clockwise to compress the coil spring. Correct tension is acheived when spring retains its set length when operator rolls the chain fore and aft on the ground. Retighten the lock nut.

See table below

Spring Compression Length

| Model | inches | mm |
|-------|--------|-----|
| 60 | 12.4 | 315 |

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









Modules

Loosen the lock nut on the draw bolt.

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

Retighten the lock nut.

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





Importance of chain tension

Operational

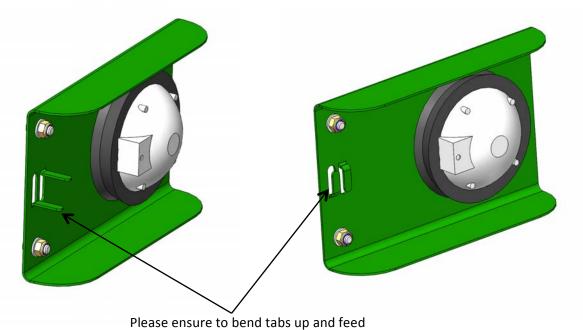
It is imperative that the correct adjustment be maintained. Only through correct adjustment can a smooth and level finish be achieved in field working.

Loose chains lead to:

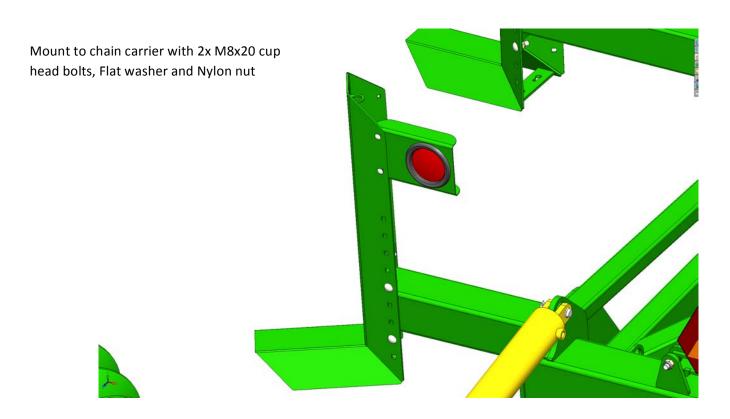
- Uneven performance across the width of the machine
- Uneven weed control
- Unsatisfactory incorporation
- Ineffective levelling
- Accelerated or premature chain wear
- Chains failing to engage with transport locators when folded
- Machine damage when folding or unfolding
- Uneven field surface with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

A correctly adjusted machine will not cause this phenomenon.

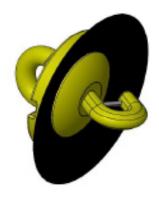
Light Brackets



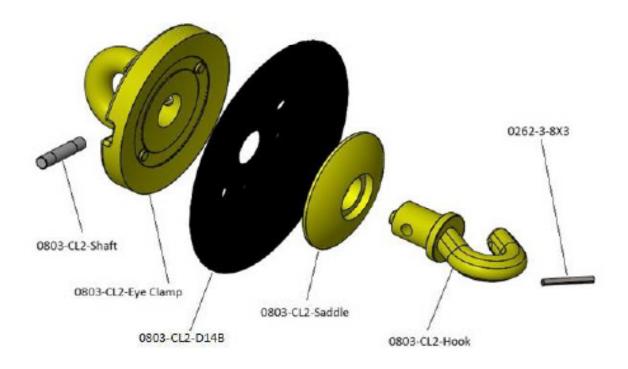
Please ensure to bend tabs up and feed wire through, so the light cable is secure



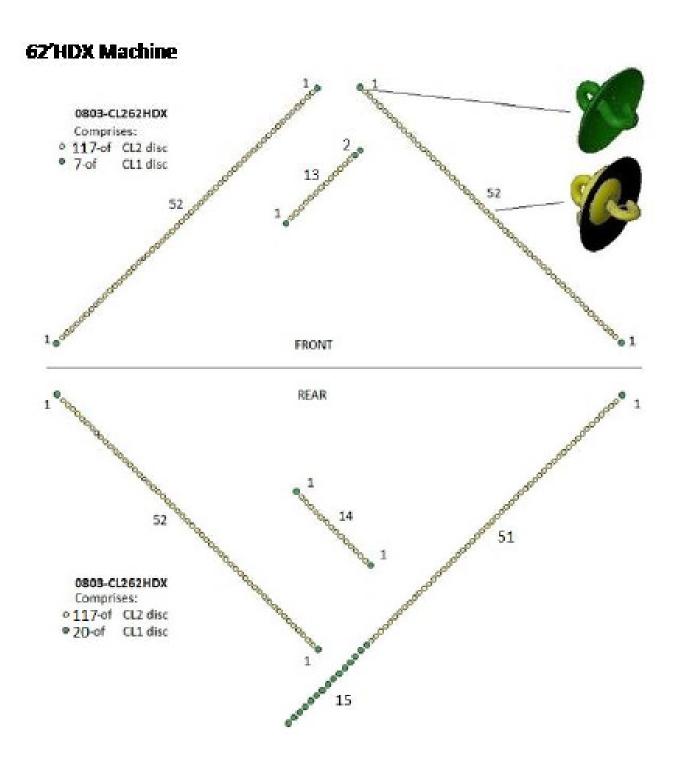
CL2 Chain Configuration



CBCB-CL2-Link Assembly



CL2 Chain Configuration



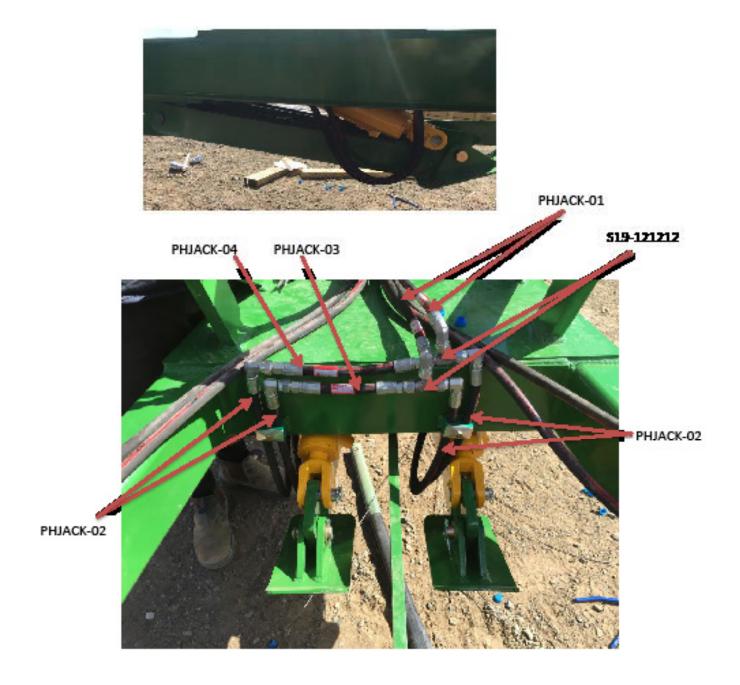
Please Note

Machines built from serial number 1170126 on will have 3 extra CL1 discs on the rear right chain.

Hydraulic Jack



Hydraulic Jack



CL2 Disc Change Procedure

This document describes a procedure for the safe changeover of CL2 discs.

NOTE: Each disc weighs 22kg (48b). Appropriate care must be taken during manual handling

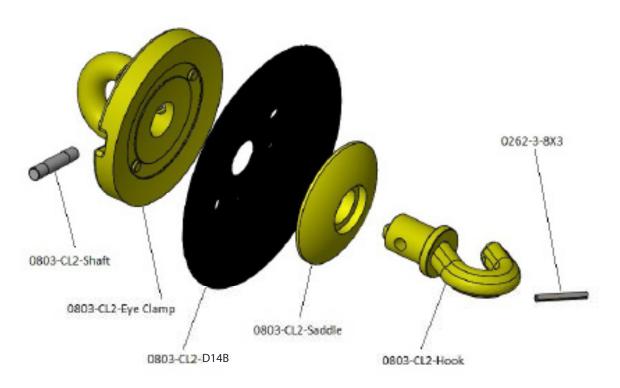


Figure 1: Exploded view of CL2 disc assembly

Changeover procedure as follows:

- Locate press jig in press (see Figure 2 for orientation).
- Load disc into press with Hook facing upwards ensure that Eye Clamp and Hook are secured within the jig with pins supplied
- Close press, applying force to Saddle (see Figure 3). DO NOT exceed pressure of 9 Tonne. (19,800b)
- 4. With the clamping force applied, push or tap the shaft with a hammer & drift, and remove from the CL2 Disc assembly
- 5. Open the press and remove the Disc from the assembly
- Ensure that all surfaces of the castings are free from debris.

CL2 Disc Change Procedure

- Place replacement disc on to Eye Clamp, ensuring that location holes align with casting lugs.
- Close press and re-apply clamping force. Visually confirm that Hook location hole is properly aligned with Eye Clamp location hole
- 9. Locate pin within hole and tap gently through both castings
- 10. Remove clamping force, and remove CL2 assembly from jig
- 11. CL2 disc is now ready for use. Repeat procedure as necessary.

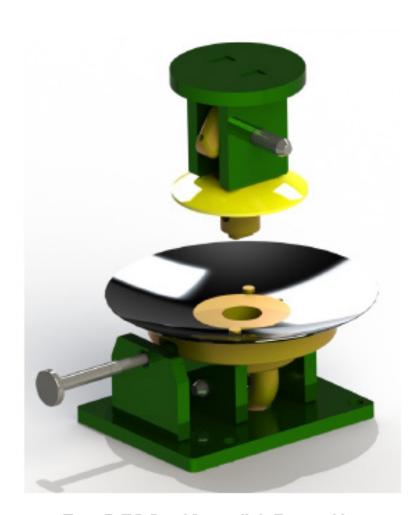


Figure 2: CL2 disc with press jig in Open position

CL2 Disc Change Procedure



Figure 3: CL2 disc with press jig in Closed position

