

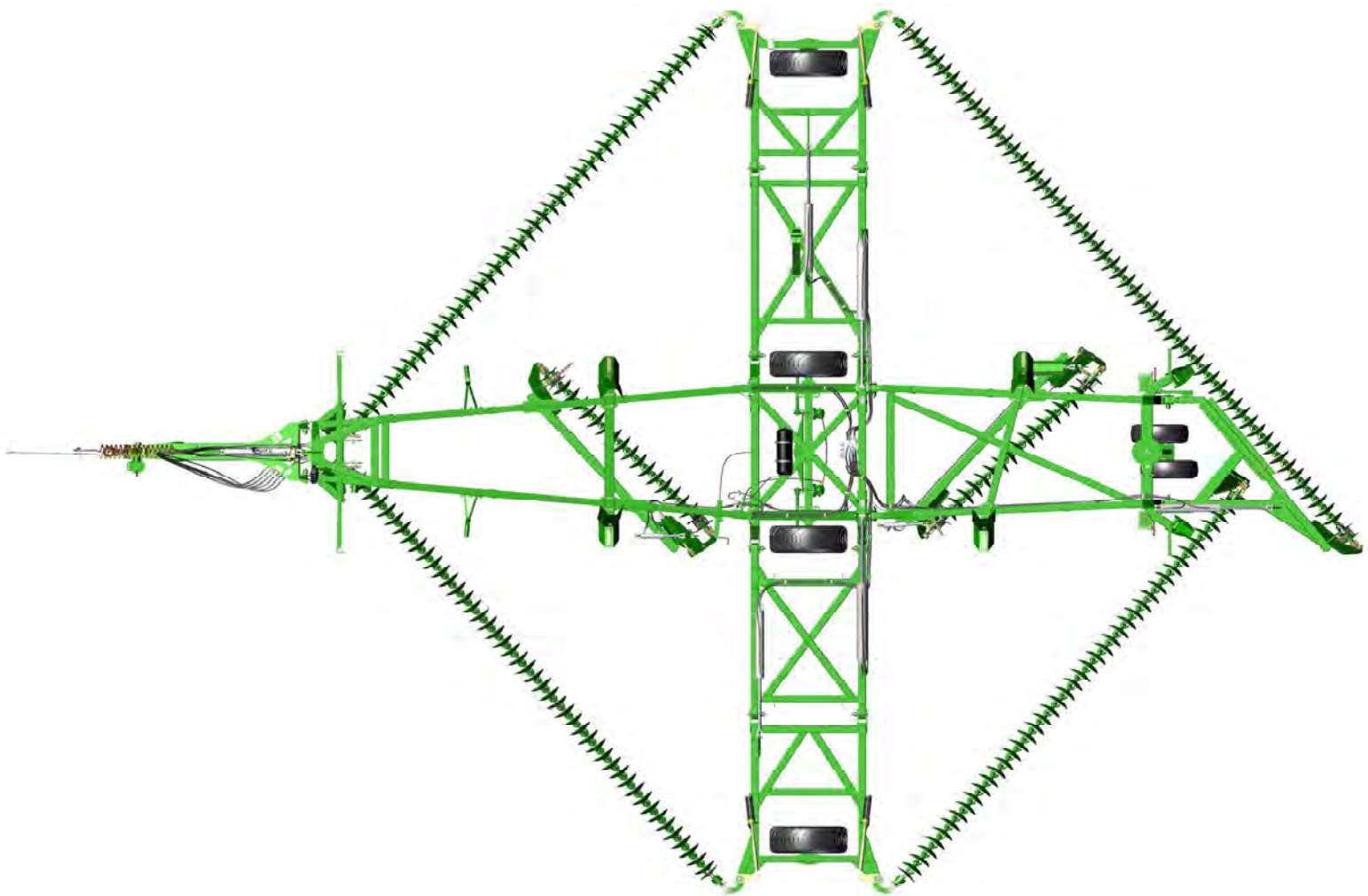


Better Tillage. Better Tomorrow.

Assembly Manual

KELLY TILLAGE SYSTEM 4012

KTAM-H-01012023



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

Western Canada

Adair Sales & Marketing Co Inc
www.adairreps.com

1-306-773-0996

Monday - Friday
8am - 5pm CST

United States

Hood & Company

+1 417-865-2100

Monday - Friday
8am - 4pm CST

Europe

kellytillage.com

+61 8 8667 2253

Monday - Friday
8am - 4pm ACDT

Argentina

Giorgi Sa Maquinarias Agrícolas
www.giorgi.com.ar

+54 3464 493512

Monday - Friday
8am - 5pm ART

South Africa

Desmond Whitfield CC

+27 82 567 8245

Monday - Friday
8am - 4pm SAST

Contents

| | |
|---------------------------------------|-----|
| Section 1 - Assembly | 5 |
| Section 2 - Light Kits | 111 |
| Section 3 - Braking Components | 123 |
| Section 4 - Decal Application | 141 |
| Section 5 - Chain Assembly | 167 |
| Section 6 - Diagrams & Specifications | 177 |
| Section 7 - Operation | 180 |
| Section 8 - Pre-Delivery Checklist | 183 |

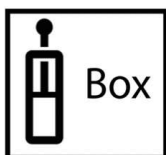
Legend



This symbol indicates which bag the relevant fasteners are in.



This symbol indicates which bag the relevant hydraulics are in.



This symbol indicates the hydraulics are in a box.



This symbol indicates which way the machine is travelling.

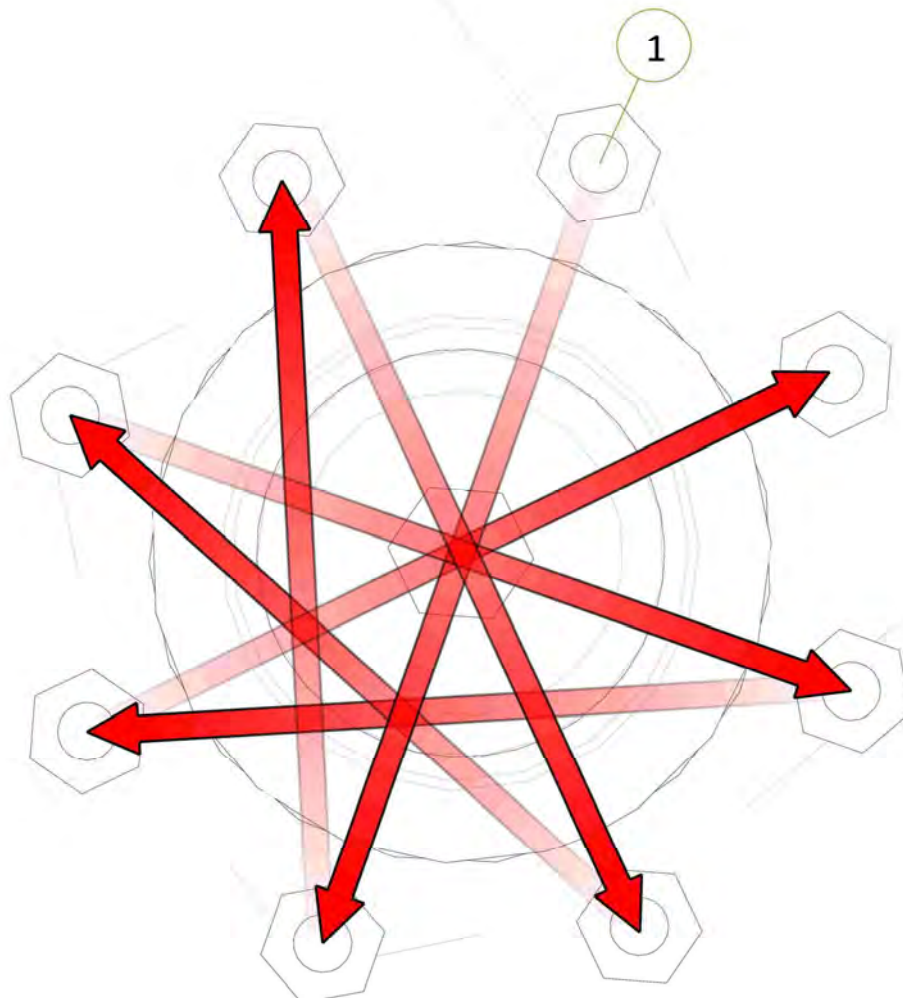
Bolt Torque Settings

| Bolt Type | Wheel nut | | | U Bolt | | | Class 8.8 Bolt | | | | | | Class 10.9 Bolt | | |
|-----------|-----------|-----|-----|--------|-----|-----|----------------|----|-----|-----|-----|-----|-----------------|-----|-----|
| Bolt Size | M12 | M18 | M20 | M12 | M16 | M20 | M6 | M8 | M10 | M12 | M16 | M20 | M24 | M20 | M24 |
| Spanner | 19 | 27 | 30 | 19 | 24 | 30 | 10 | 13 | 17 | 19 | 24 | 30 | 36 | 30 | 36 |
| Nm (max) | 94 | 305 | 430 | 42 | 105 | 214 | 9.3 | 23 | 45 | 77 | 190 | 385 | 660 | 550 | 950 |

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.

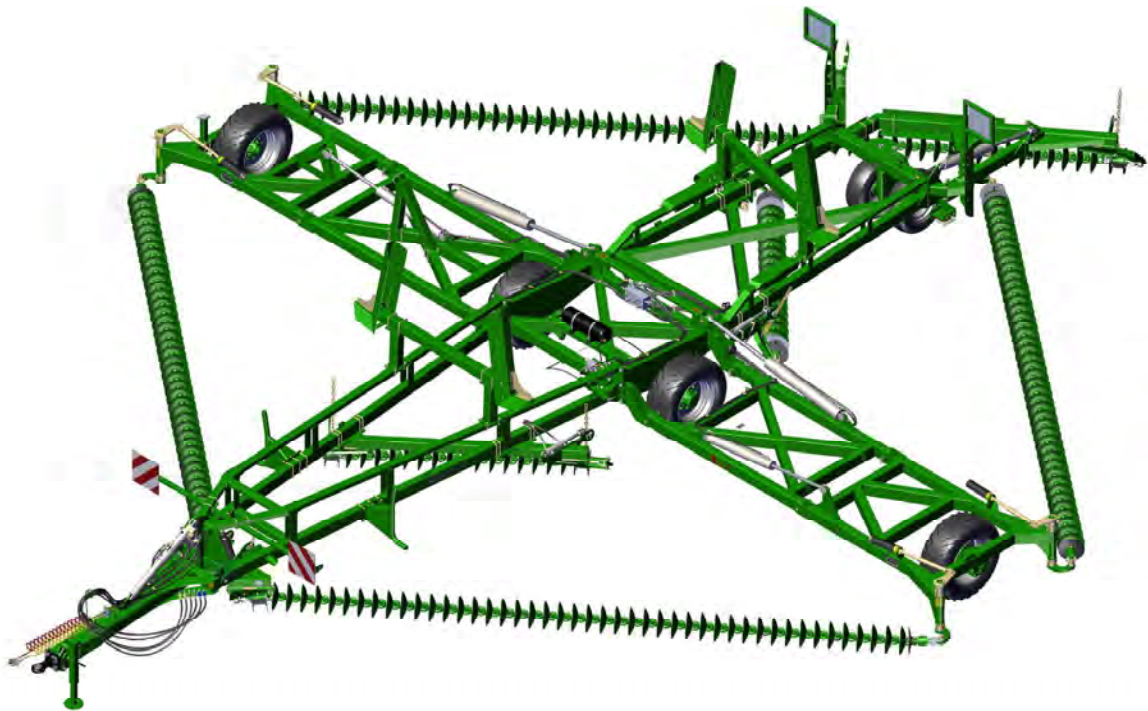
[1] When fitting a wheel & tire to a hub, tighten the wheel nuts in a star pattern to the correct tension. To achieve this choose a wheel nut & tighten, then proceed to the opposite side of the hub to the next wheel nut & tighten & so on until all wheel nuts are tight. Then repeat the procedure to check 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.

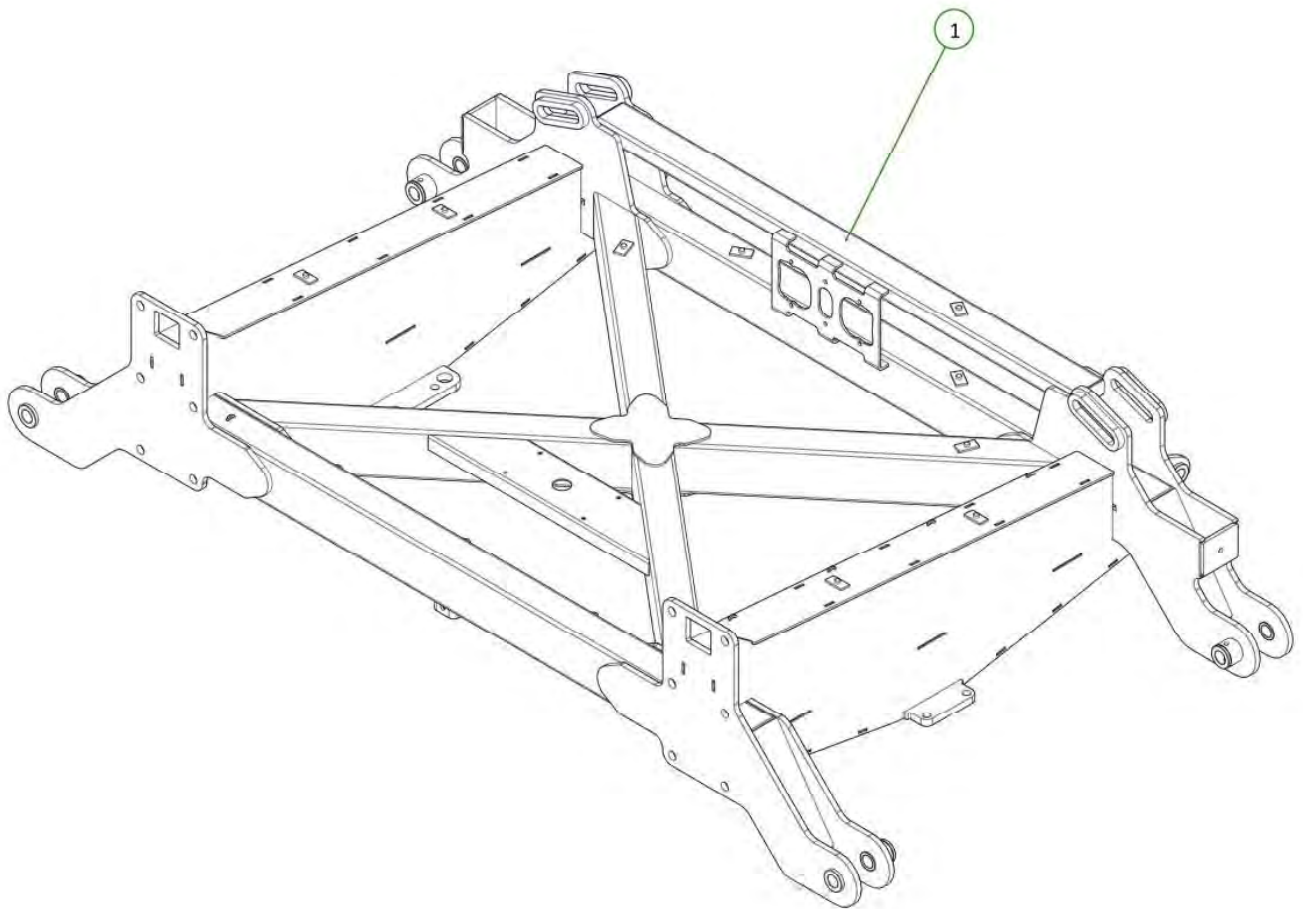


KELLY

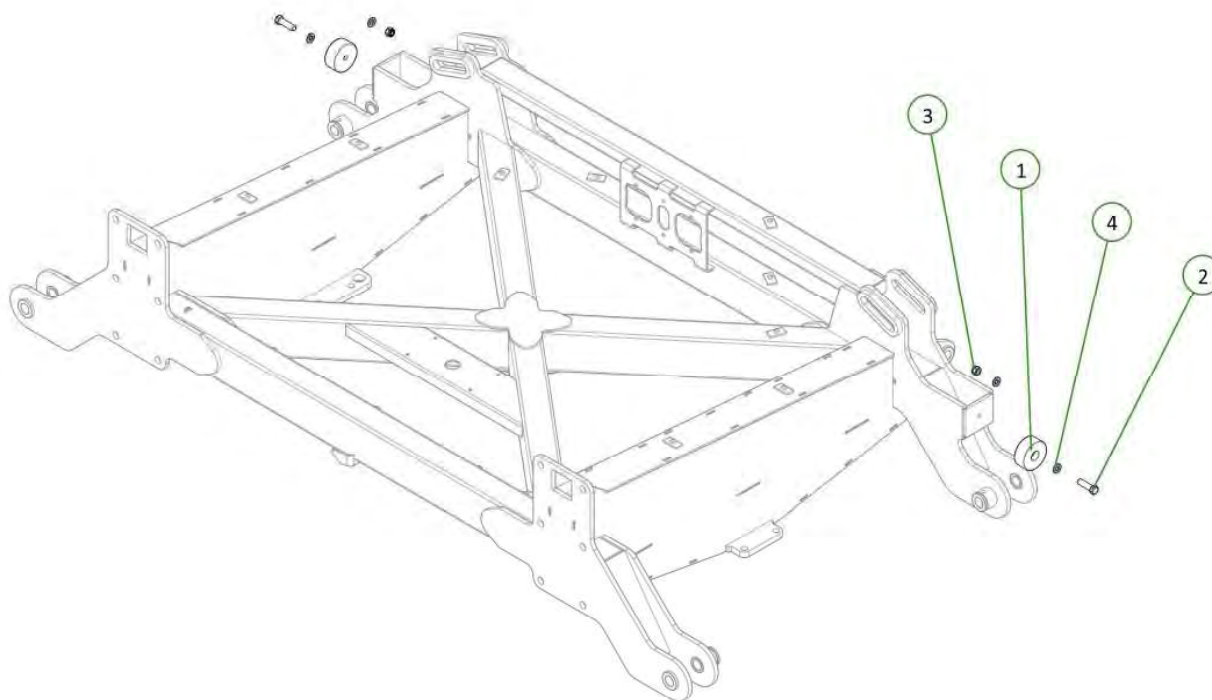
Section 1 - Assembly



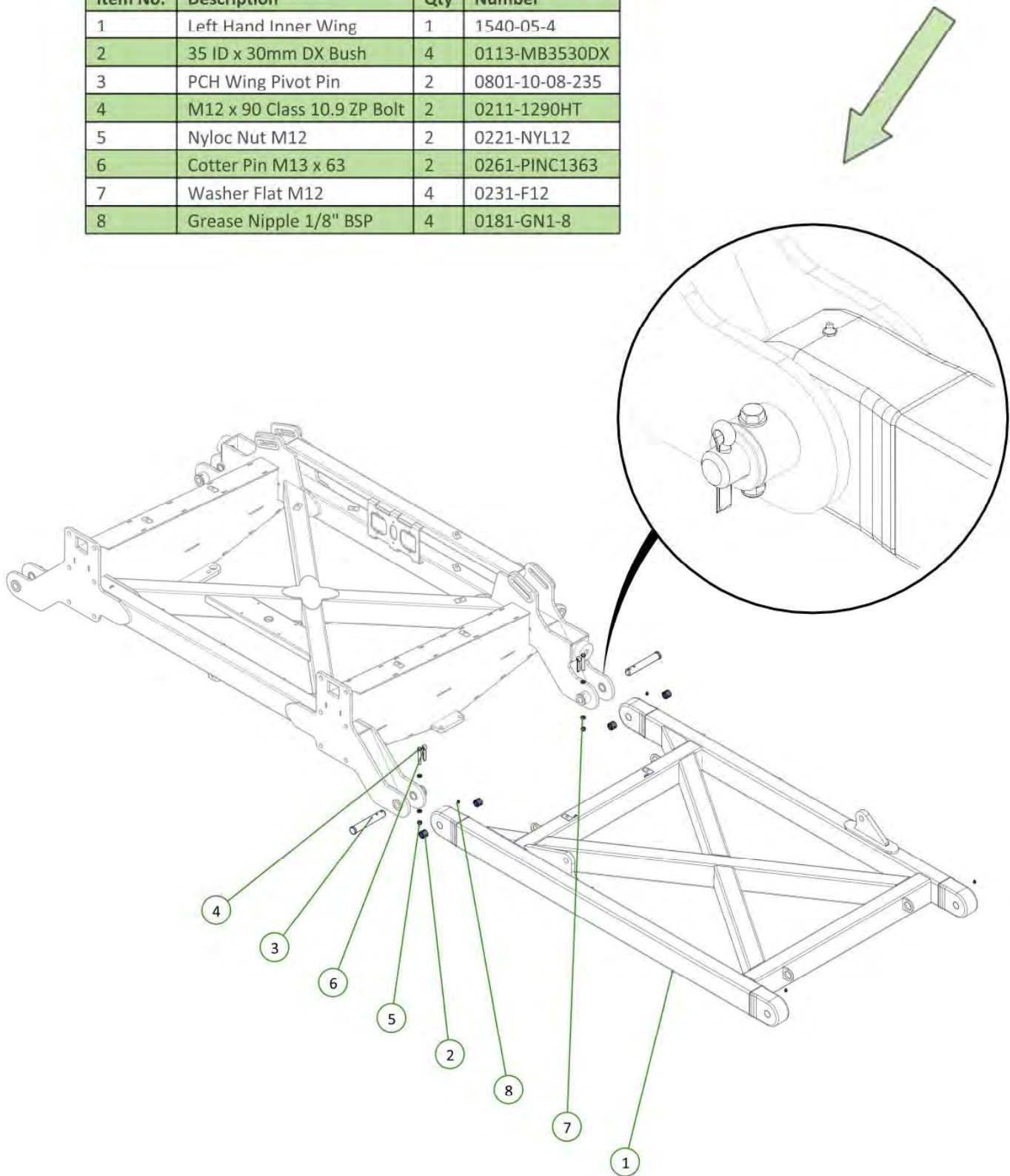
| Item No. | Description | Qty | Number |
|----------|--------------|-----|------------|
| 1 | Centre Frame | 1 | 1540-01-1E |



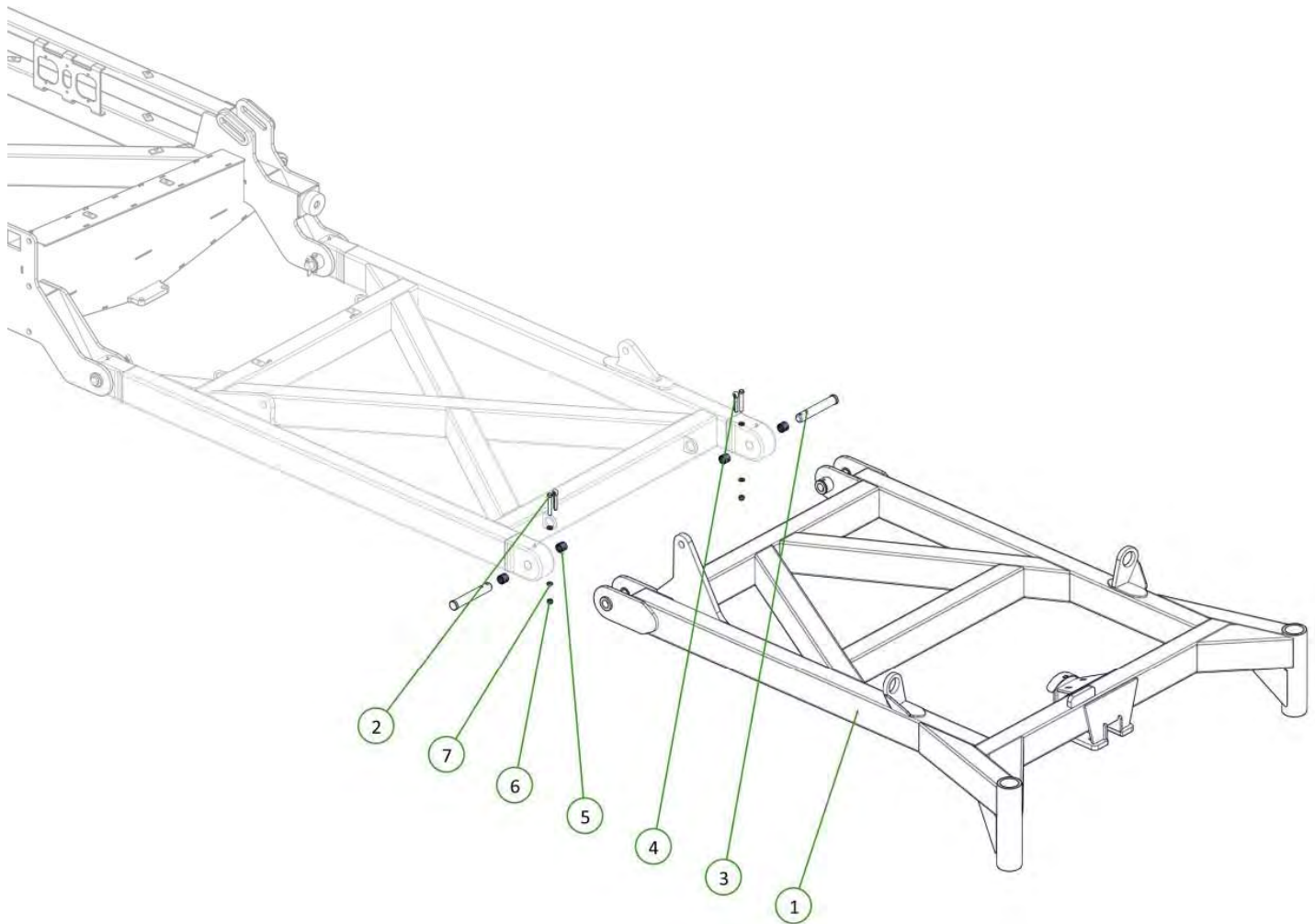
| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------|
| 1 | Wing Folding Buffer | 2 | 1201-12 |
| 2 | M16 x 55 grade 8.8 zp Bolt | 2 | 0211-1655 |
| 3 | Nyloc Nut M16 | 2 | 0221-NYL16 |
| 4 | Washer Flat M16 | 4 | 0231-F16 |



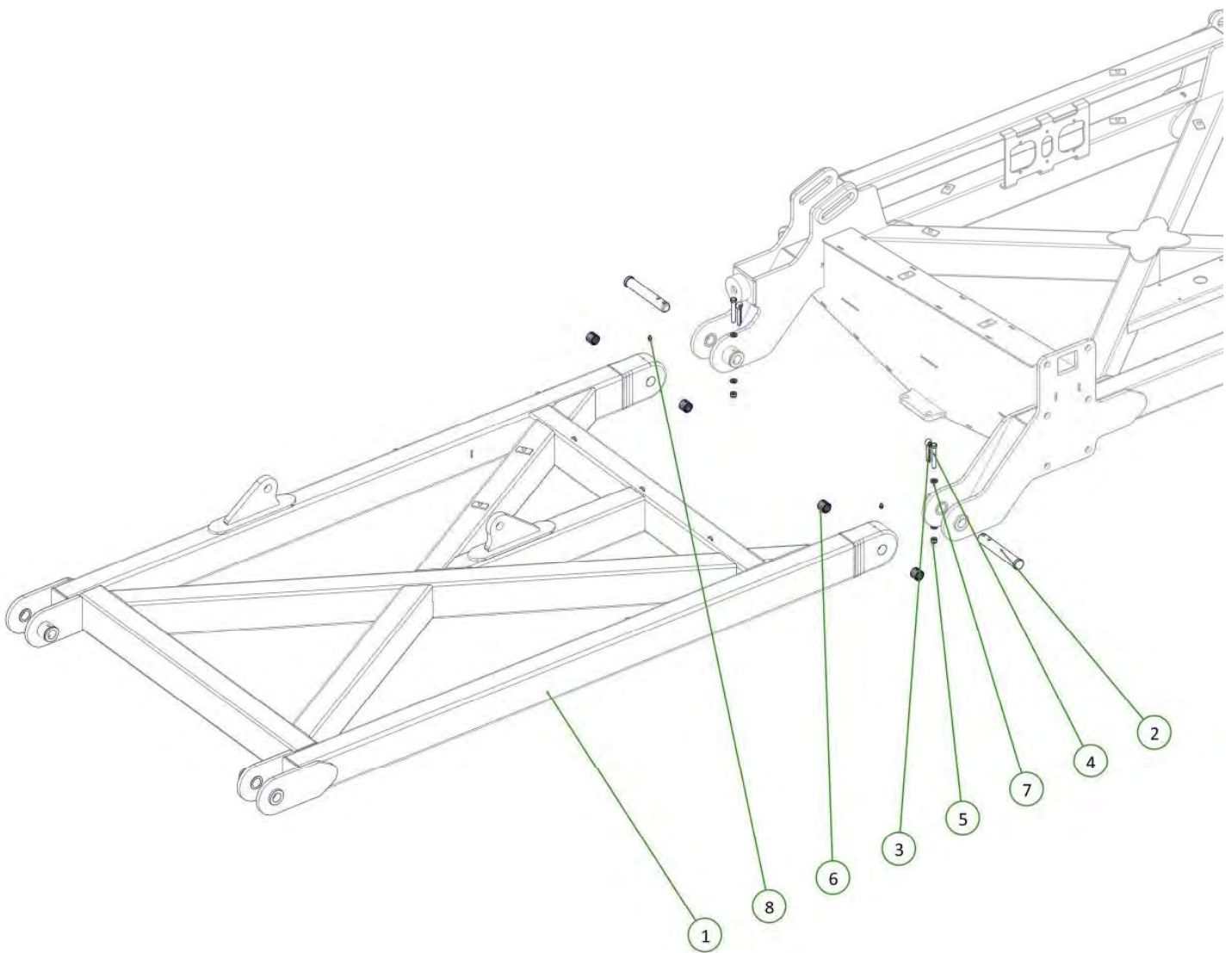
| Item No. | Description | Qty | Number |
|----------|-----------------------------|-----|----------------|
| 1 | Left Hand Inner Wing | 1 | 1540-05-4 |
| 2 | 35 ID x 30mm DX Bush | 4 | 0113-MB3530DX |
| 3 | PCH Wing Pivot Pin | 2 | 0801-10-08-235 |
| 4 | M12 x 90 Class 10.9 ZP Bolt | 2 | 0211-1290HT |
| 5 | Nyloc Nut M12 | 2 | 0221-NYL12 |
| 6 | Cotter Pin M13 x 63 | 2 | 0261-PINC1363 |
| 7 | Washer Flat M12 | 4 | 0231-F12 |
| 8 | Grease Nipple 1/8" BSP | 4 | 0181-GN1-8 |



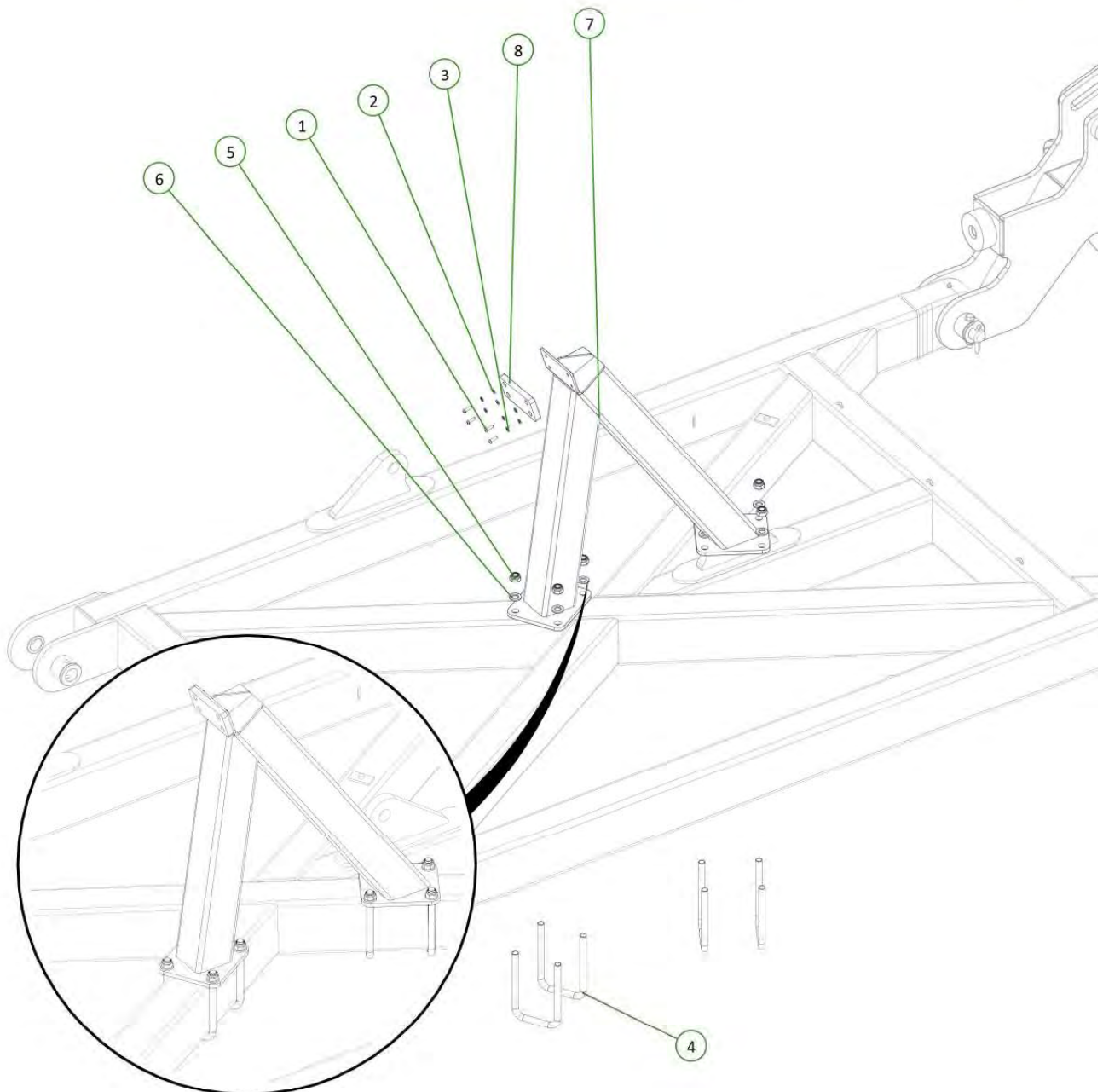
| Item No. | Description | Qty | Number |
|----------|-----------------------------|-----|----------------|
| 1 | Left Hand Outer Wing | 1 | 1540-07-2E |
| 2 | M12 x 90 Class 10.9 ZP Bolt | 2 | 0211-1290HT |
| 3 | PCH Wing Pivot Pin | 2 | 0801-10-08-235 |
| 4 | Cotter Pin M13 x 63 | 2 | 0261-PINC1363 |
| 5 | 35 ID x 30mm DX Bush | 4 | 0113-MB3530DX |
| 6 | Nyloc Nut M12 | 2 | 0221-NYL12 |
| 7 | Washer Flat M12 | 4 | 0231-F12 |



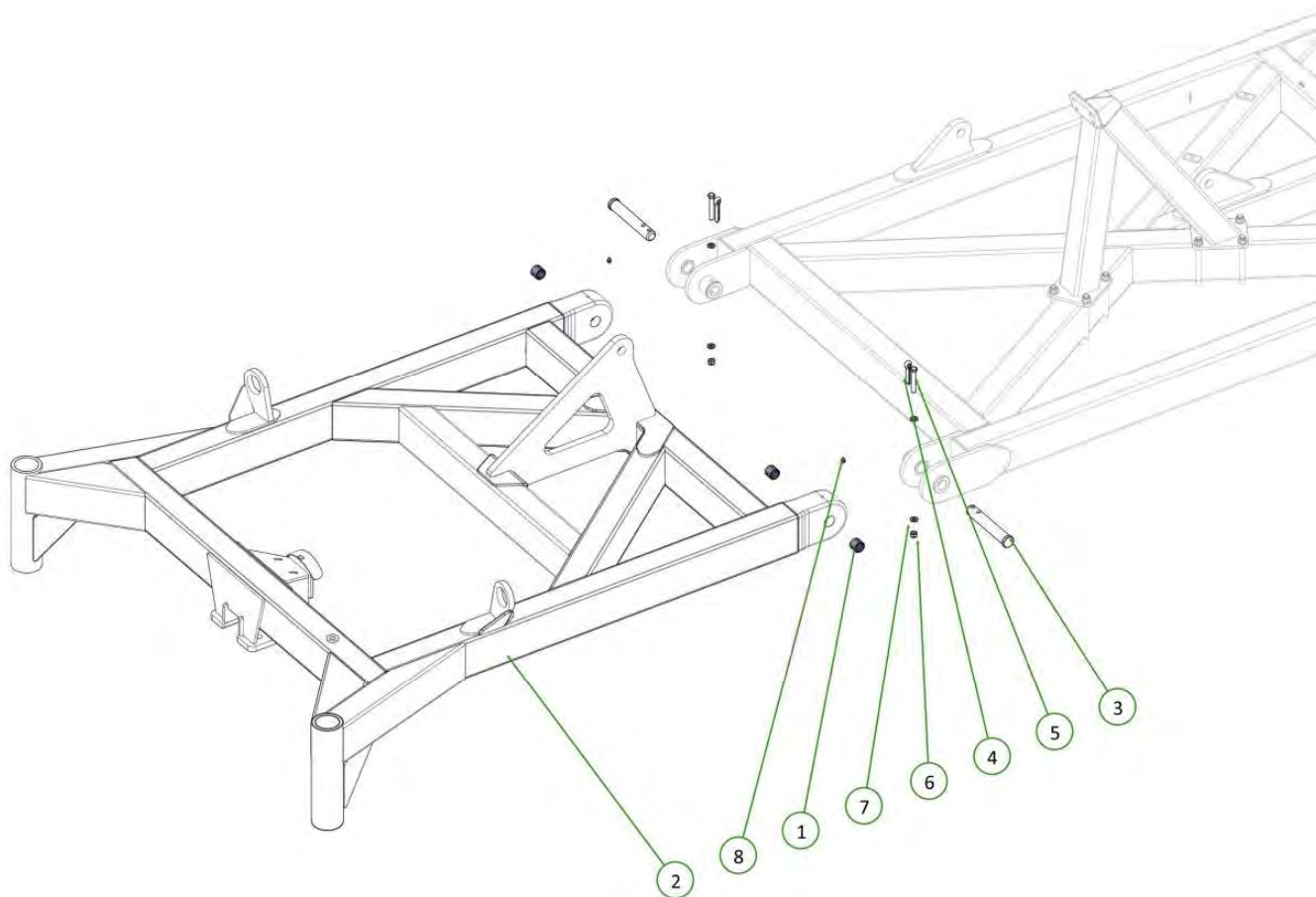
| Item No. | Description | Qty | Number |
|----------|-----------------------------|-----|----------------|
| 1 | Right Hand Inner Wing | 1 | 1540-04-4 |
| 2 | PCH Wing Pivot Pin | 2 | 0801-10-08-235 |
| 3 | Cotter Pin M13 x 63 | 2 | 0261-PINC1363 |
| 4 | M12 x 90 Class 10.9 ZP Bolt | 2 | 0211-1290HT |
| 5 | Nyloc Nut M12 | 2 | 0221-NYL12 |
| 6 | 35 ID x 30mm DX Bush | 4 | 0113-MB3530DX |
| 7 | Washer Flat M12 | 4 | 0231-F12 |
| 8 | Grease Nipple 1/8" BSP | 2 | 0181-GN1-8 |



| Item No. | Description | Qty | Number |
|----------|----------------------------------|-----|---------------|
| 1 | M6 x 20 Button Head Bolt ZP | 4 | 0211-0620BH |
| 2 | Washer Flat M6 | 4 | 0231-F6 |
| 3 | Washer Spring M6 | 4 | 0231-S6 |
| 4 | U-Bolt M16 x 185 Deep x 104 Wide | 4 | 0271-16185104 |
| 5 | Nyloc Nut M16 | 8 | 0221-NYL16 |
| 6 | Washer Flat M16 | 8 | 0231-F |
| 7 | EU Inner Wing Post | 1 | 1510-275 |
| 8 | Wing Buffer Pad | 1 | 1501-27 |



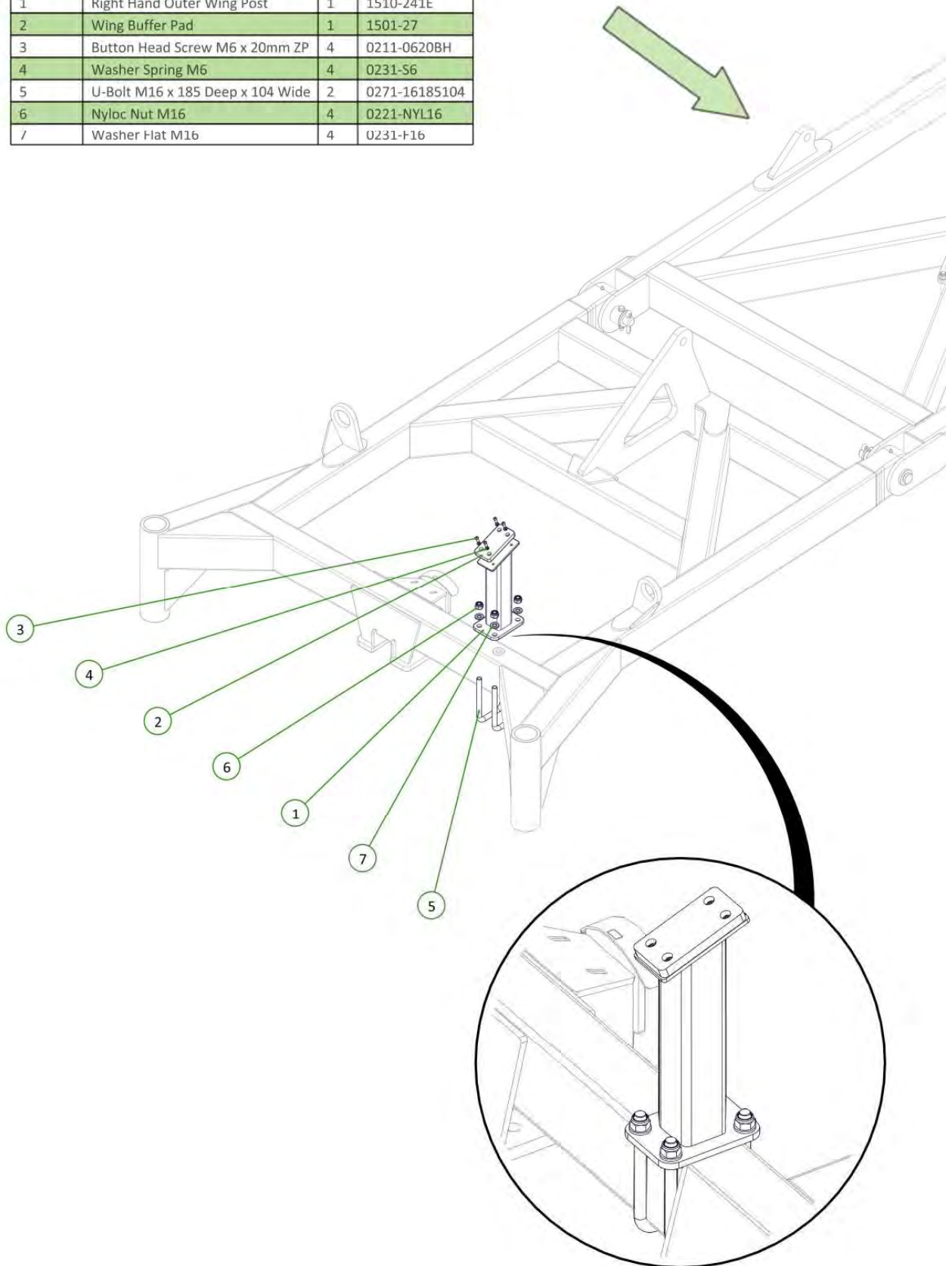
| Item No. | Description | Qty | Number |
|----------|-----------------------------|-----|----------------|
| 1 | 35 ID x 30mm DX Bush | 4 | 0113-MB3530DX |
| 2 | Right Hand Outer Wing | 1 | 1540-06-3 |
| 3 | PCH Wing Pivot Pin | 2 | 0801-10-08-235 |
| 4 | Cotter Pin M13 x 63 | 2 | 0261-PINC1363 |
| 5 | M12 x 90 Class 10.9 ZP Bolt | 2 | 0211-1290HT |
| 6 | Nyloc Nut M12 | 2 | 0221-NYL12 |
| 7 | Washer Flat M12 | 4 | 0231-F12 |
| 8 | Grease Nipple 1/8" BSP | 2 | 0181-GN1-8 |



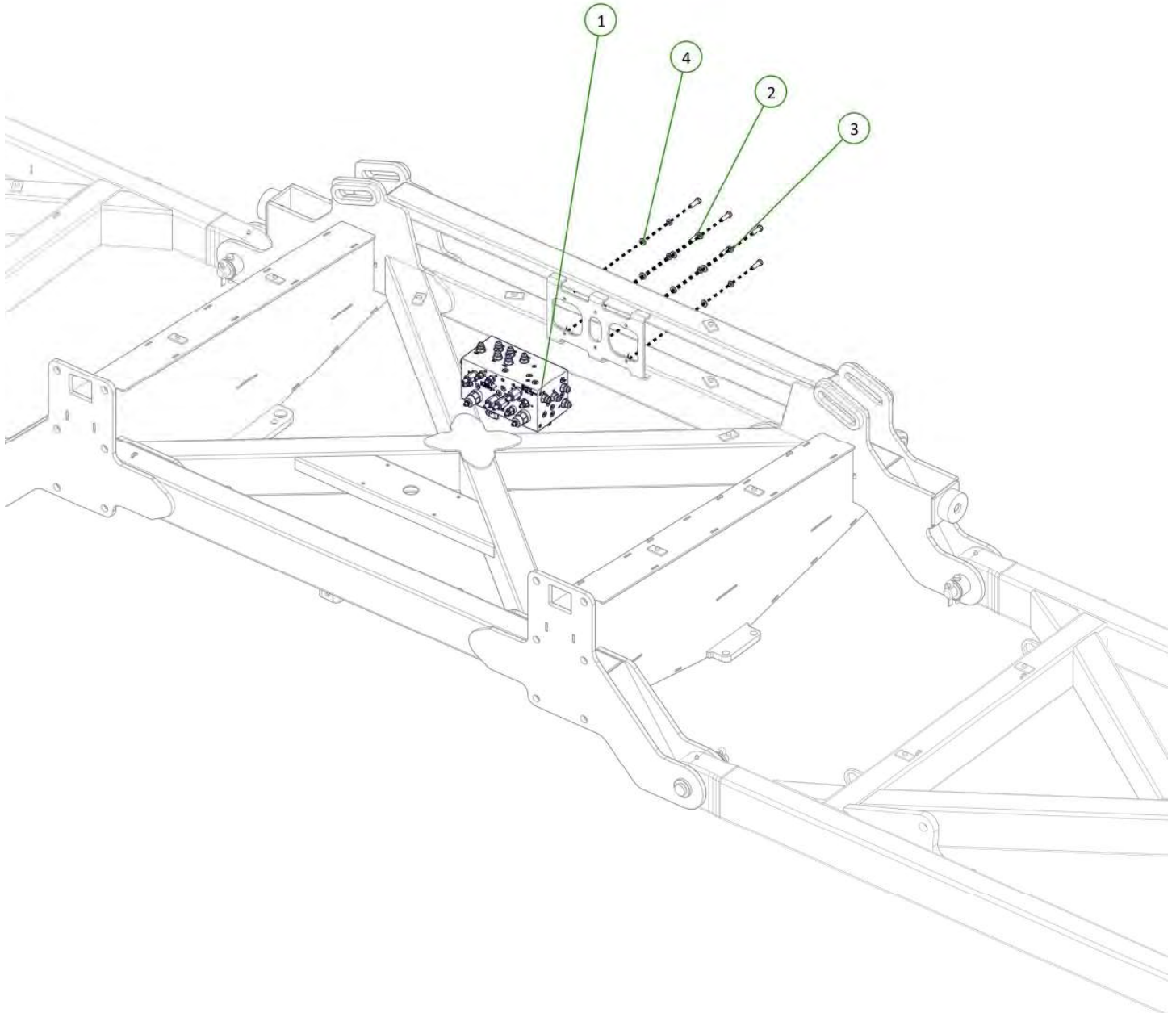
All wing pivot bolts tightened and cotter pins installed

Signed _____ Date __/__/__
Unit Serial Number _____

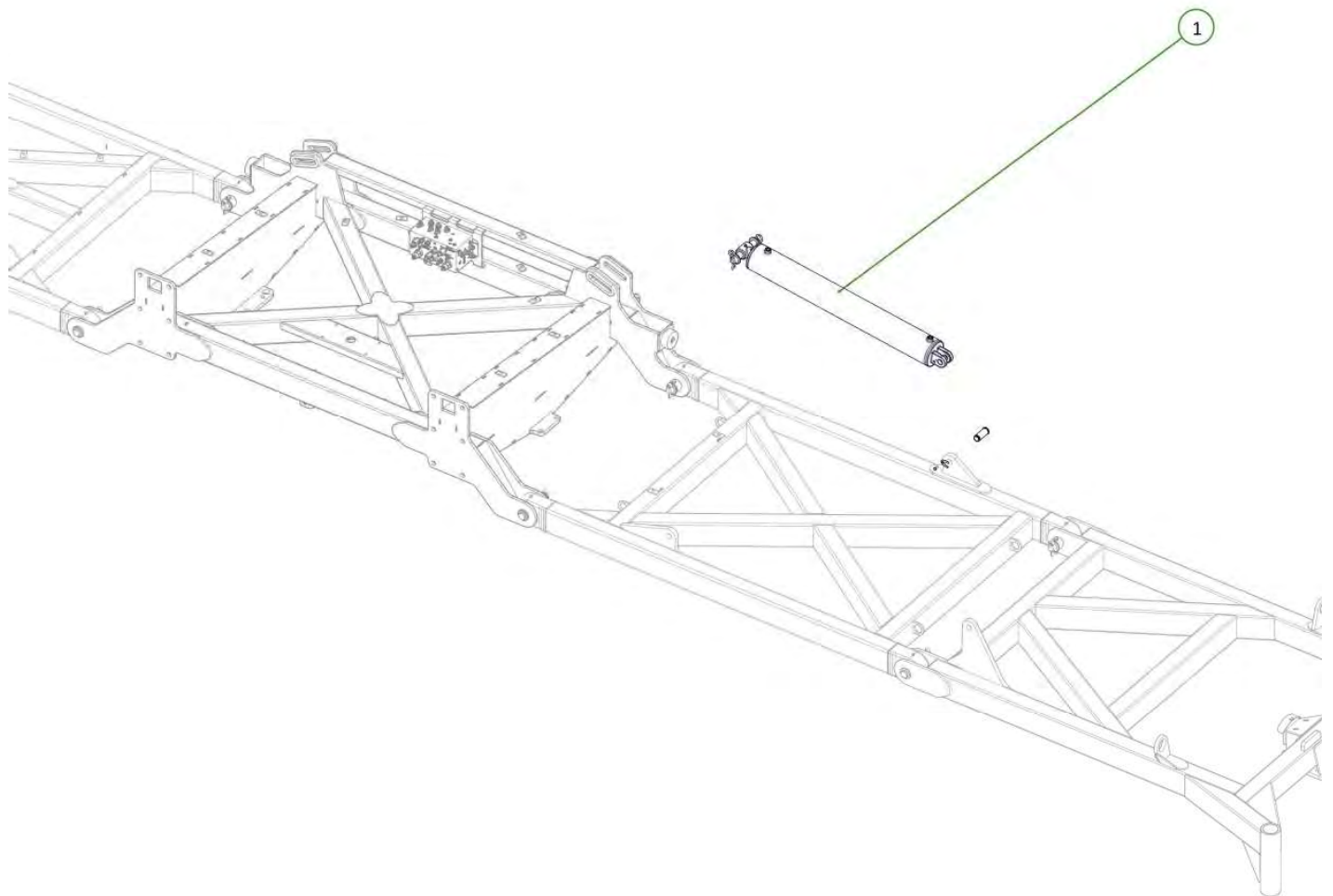
| Item No. | Description | Qty | Number |
|----------|----------------------------------|-----|---------------|
| 1 | Right Hand Outer Wing Post | 1 | 1510-241E |
| 2 | Wing Buffer Pad | 1 | 1501-27 |
| 3 | Button Head Screw M6 x 20mm ZP | 4 | 0211-0620BH |
| 4 | Washer Spring M6 | 4 | 0231-56 |
| 5 | U-Bolt M16 x 185 Deep x 104 Wide | 2 | 0271-16185104 |
| 6 | Nyloc Nut M16 | 4 | 0221-NYL16 |
| 7 | Washer Flat M16 | 4 | 0231-F16 |

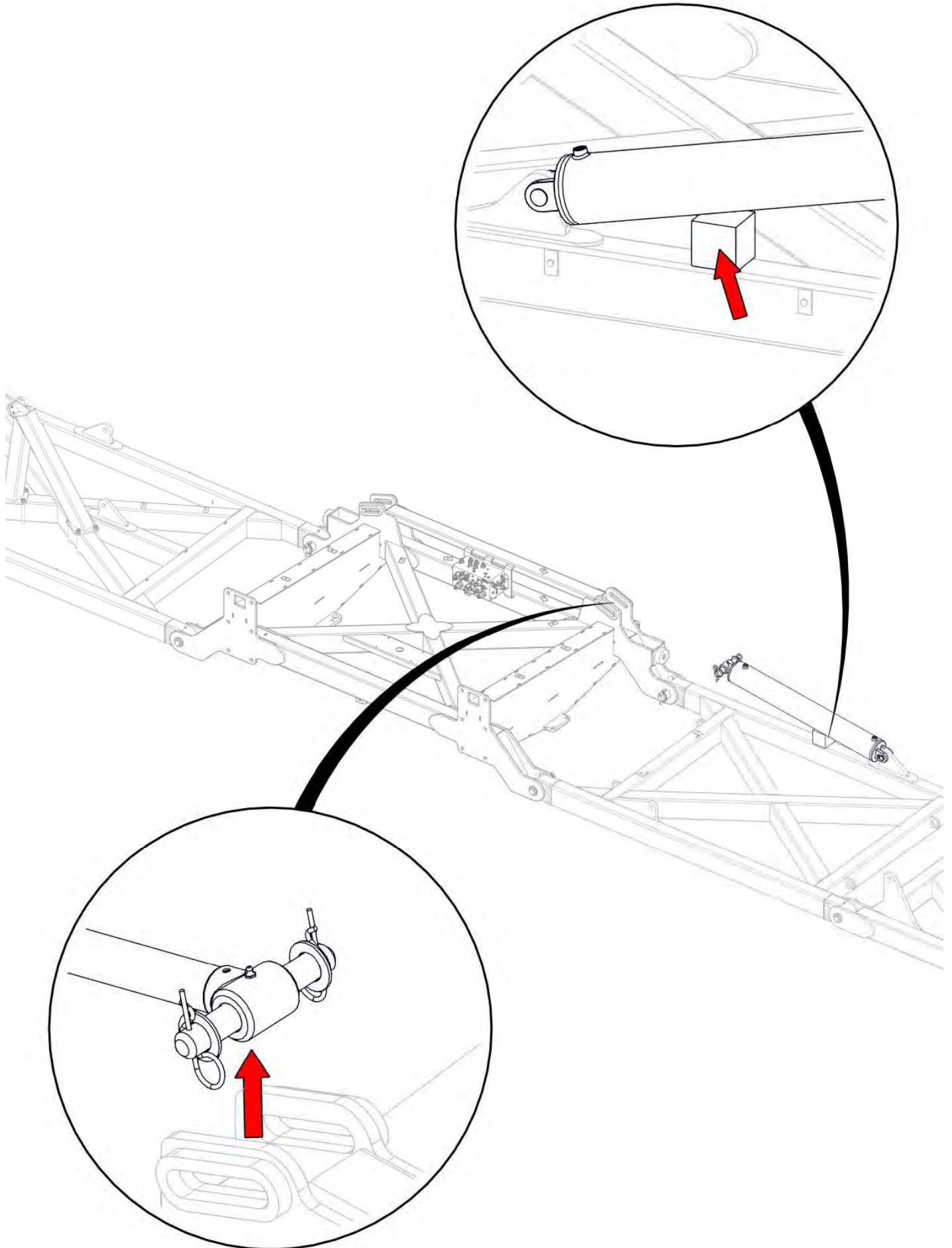


| Item No. | Description | Qty | Number |
|----------|--|-----|-------------|
| 1 | Dual Circuit 3 Stage Sequence Manifold V12.5 | 1 | 0802-692196 |
| 2 | M10 x 30 grade 8.8 ZP Bolt | 6 | 0211-1035 |
| 3 | Washer Spring M10 | 6 | 0231-S10 |
| 4 | Washer Flat M10 | 6 | 0231-F10 |

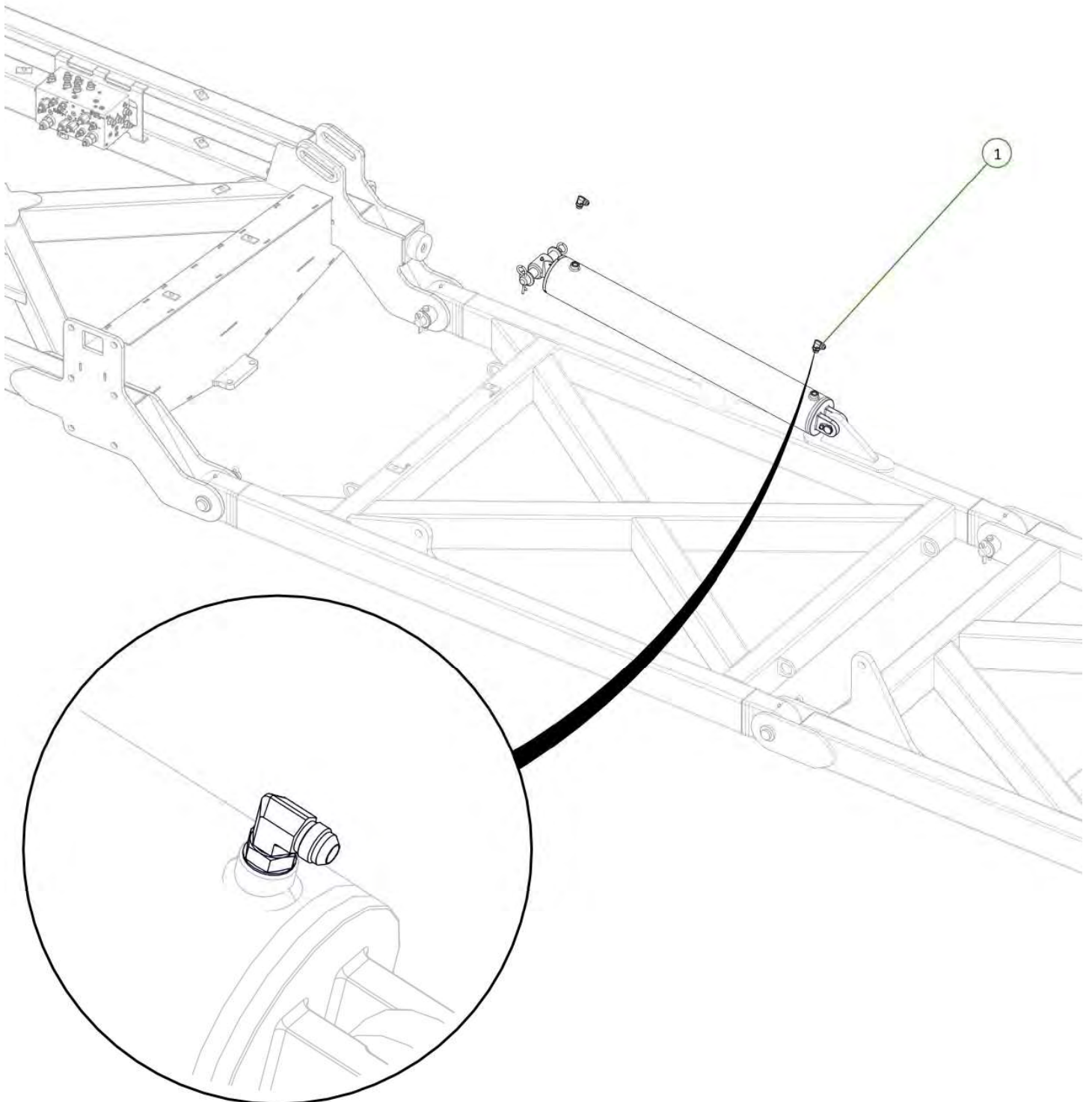


| Item No. | Description | Qty | Number |
|----------|--|-----|------------|
| 1 | 5" Bore 36" Stroke 3 1/8" S/Tube 2" Rod Hydraulic Cylinder | 1 | 0311-5365T |

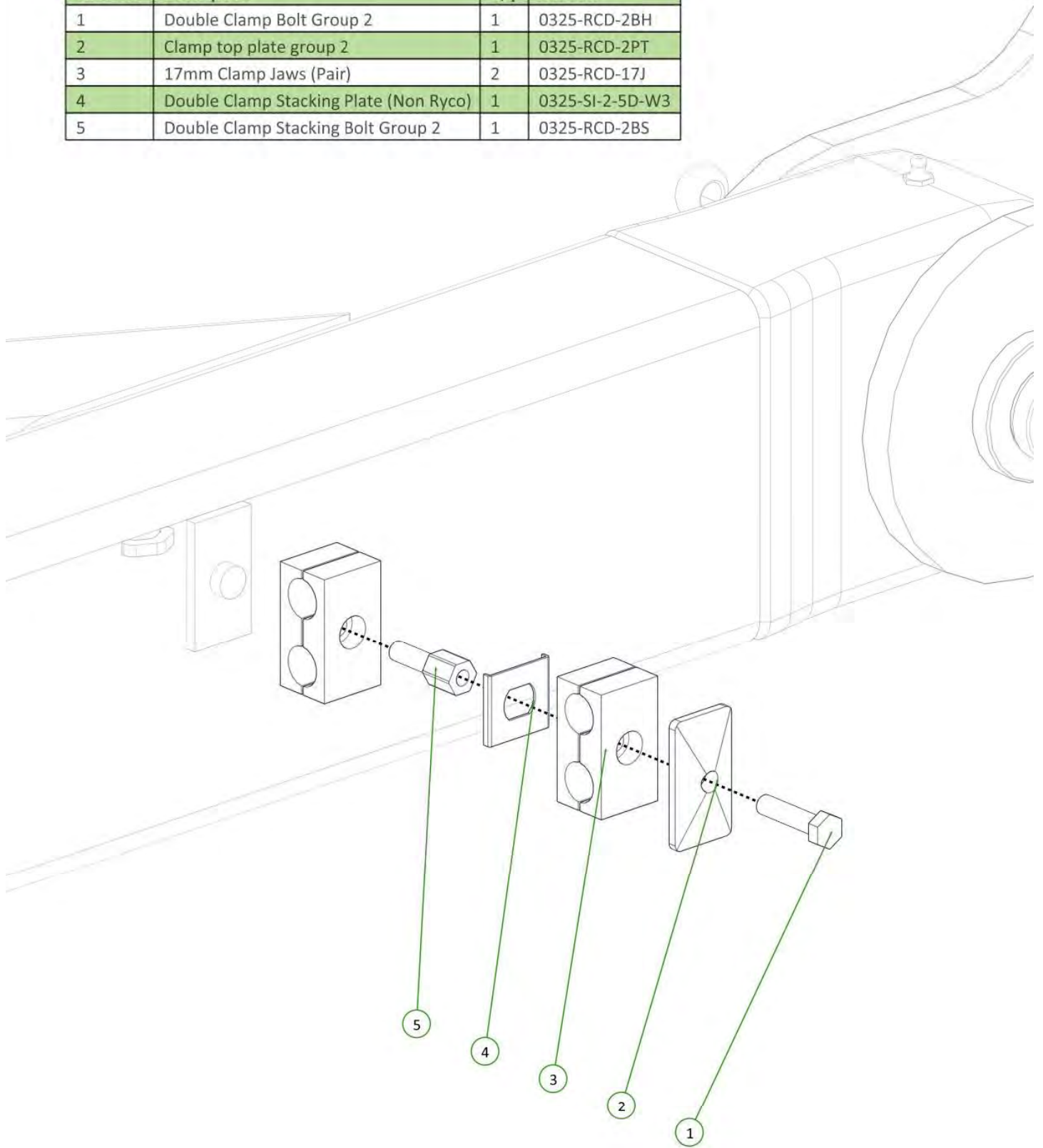




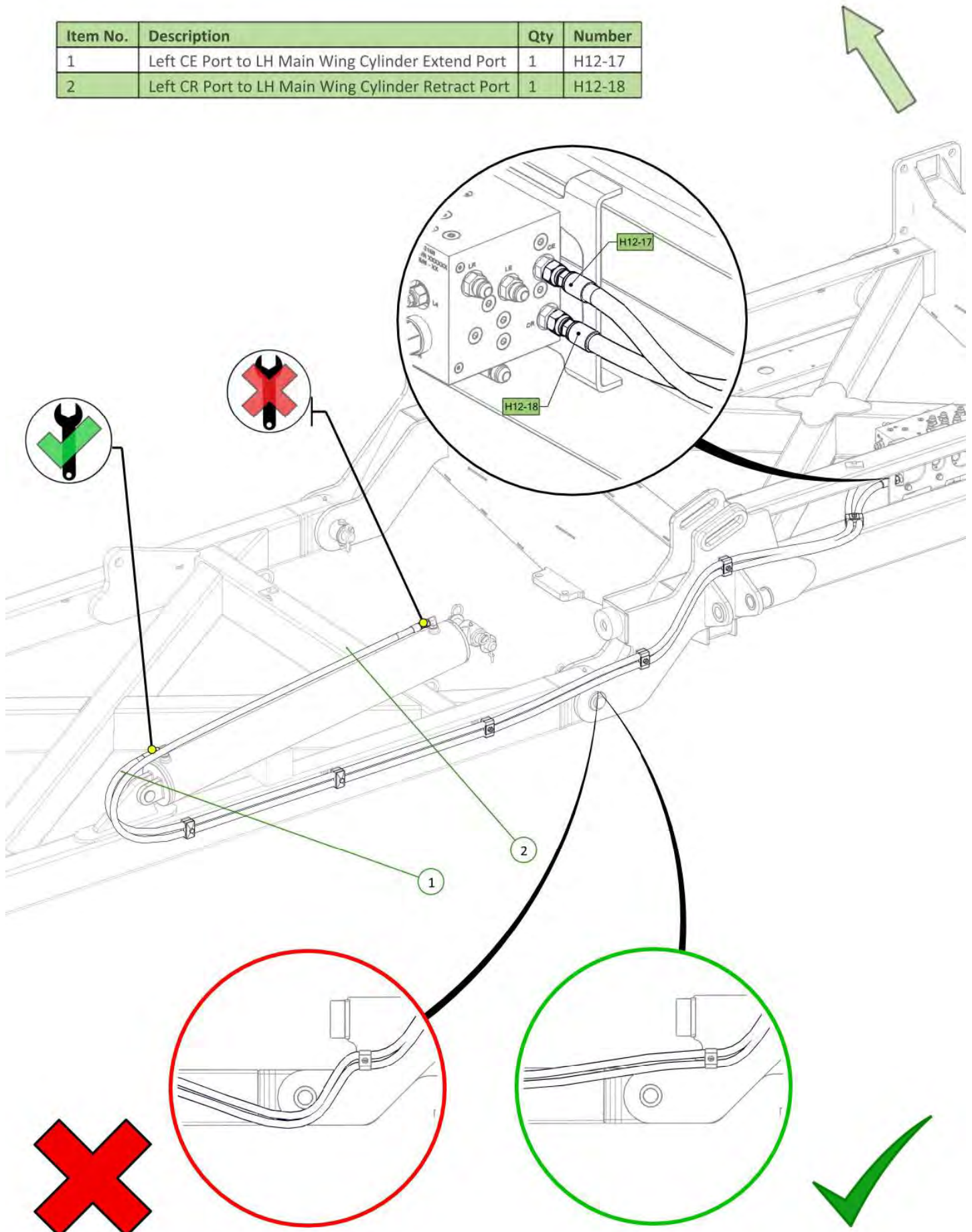
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2 | 0323-S91-1212 |



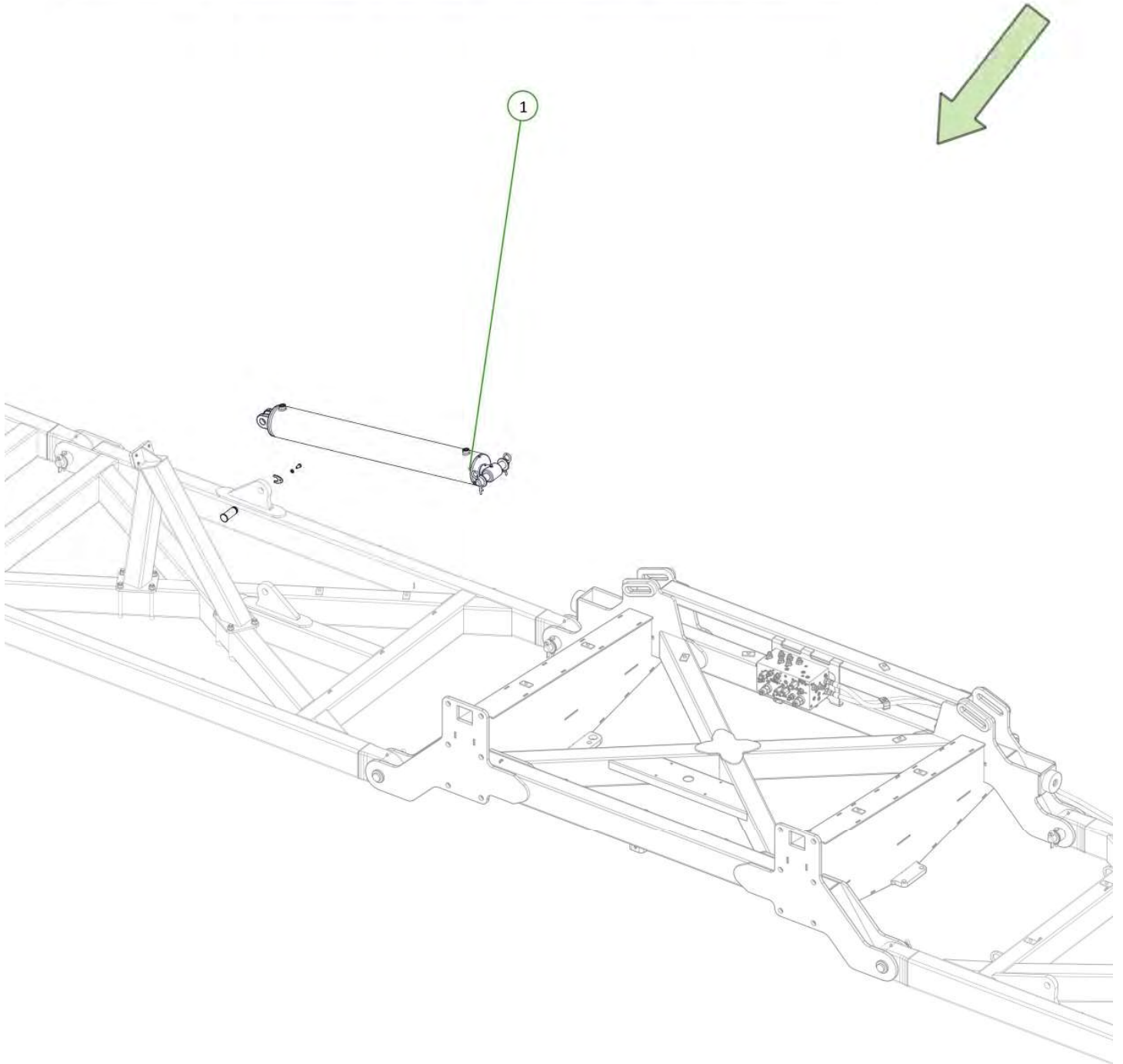
| Item No. | Description | Qty | Number |
|----------|--|-----|-----------------|
| 1 | Double Clamp Bolt Group 2 | 1 | 0325-RCD-2BH |
| 2 | Clamp top plate group 2 | 1 | 0325-RCD-2PT |
| 3 | 17mm Clamp Jaws (Pair) | 2 | 0325-RCD-17J |
| 4 | Double Clamp Stacking Plate (Non Ryco) | 1 | 0325-SI-2-5D-W3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

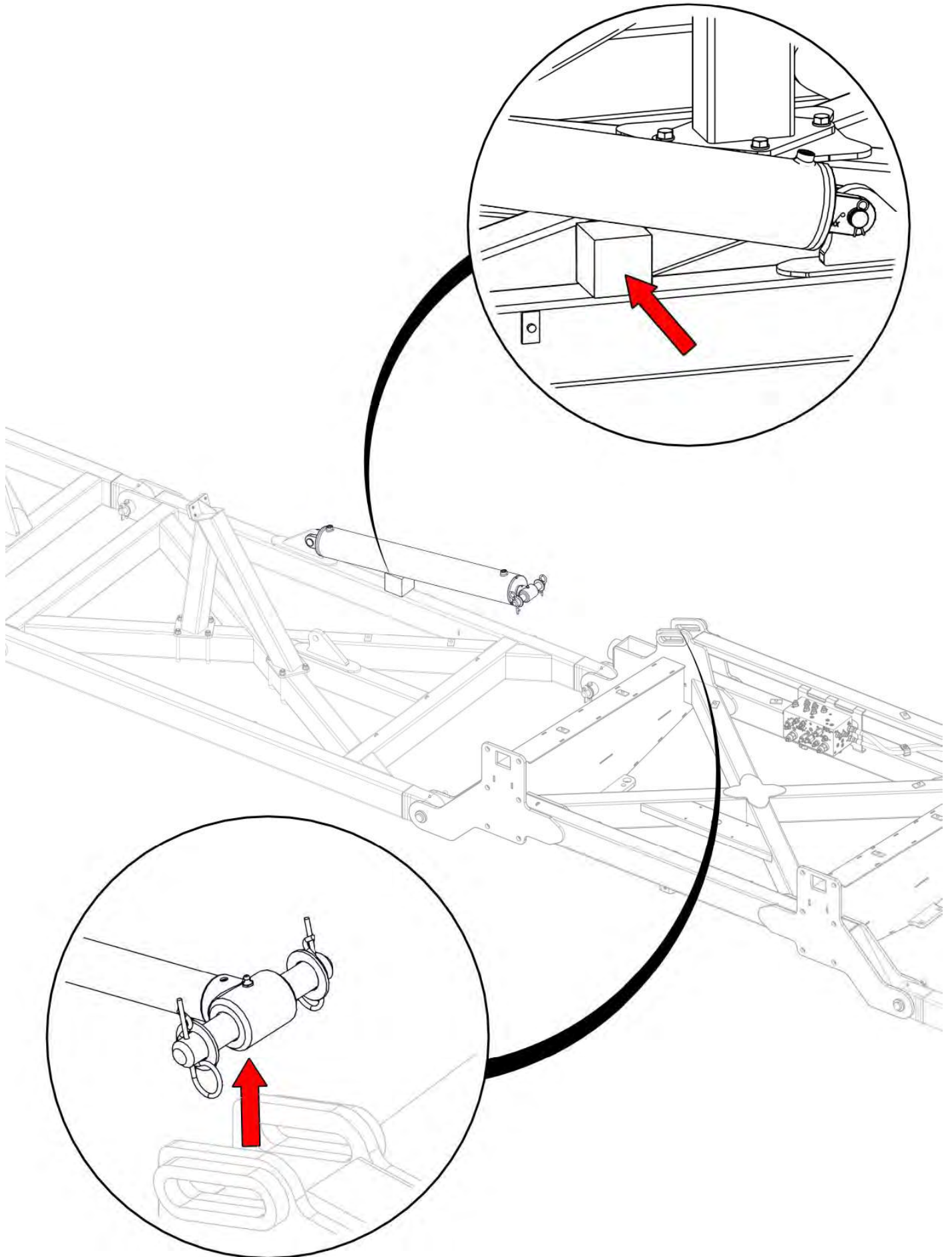


| Item No. | Description | Qty | Number |
|----------|--|-----|--------|
| 1 | Left CE Port to LH Main Wing Cylinder Extend Port | 1 | H12-17 |
| 2 | Left CR Port to LH Main Wing Cylinder Retract Port | 1 | H12-18 |

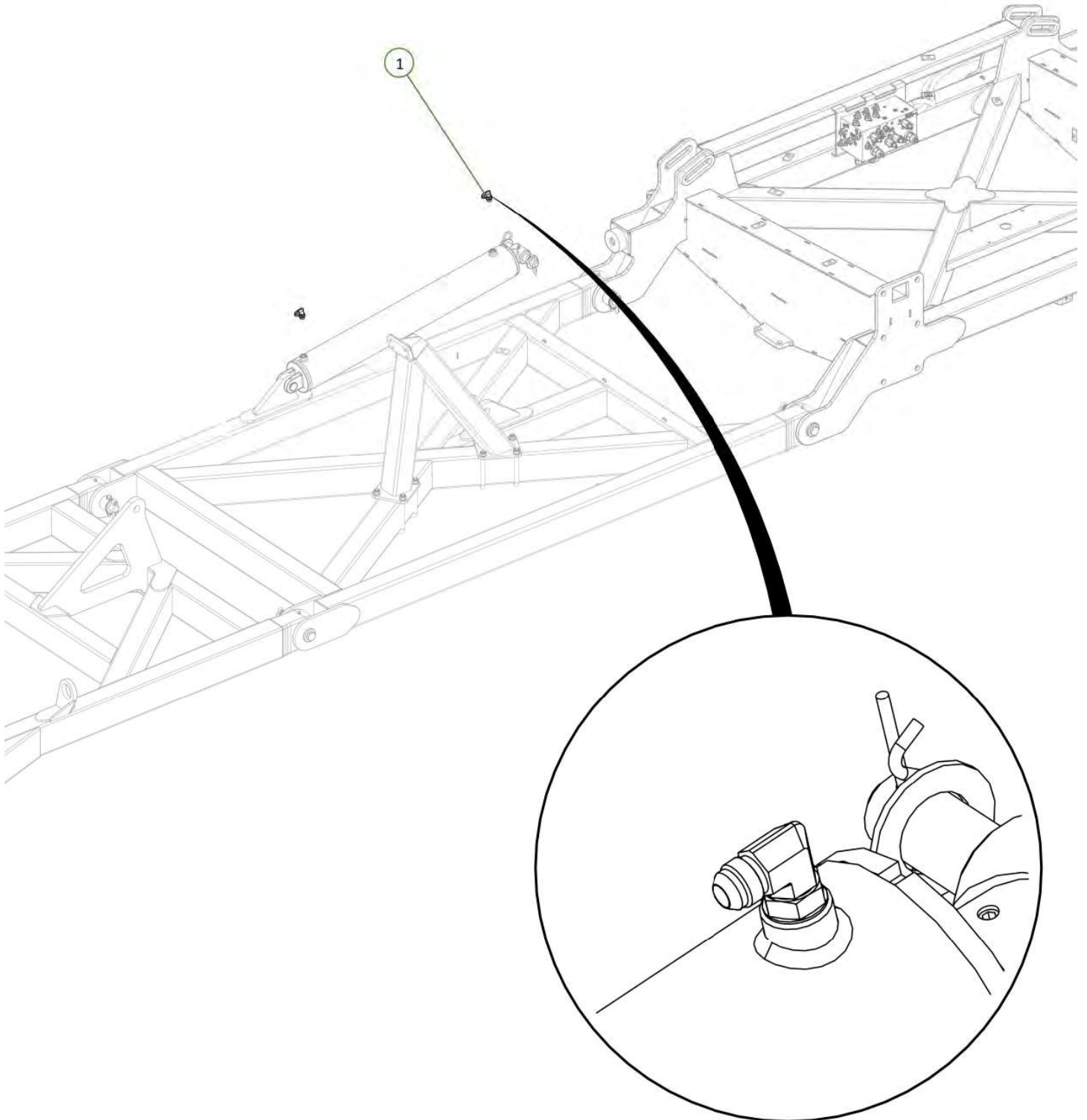


| Item No. | Description | Qty | Number |
|----------|--|-----|------------|
| 1 | 5" Bore 36" Stroke 3 1/8" S/Tube 2" Rod Hydraulic Cylinder | 1 | 0311-536ST |

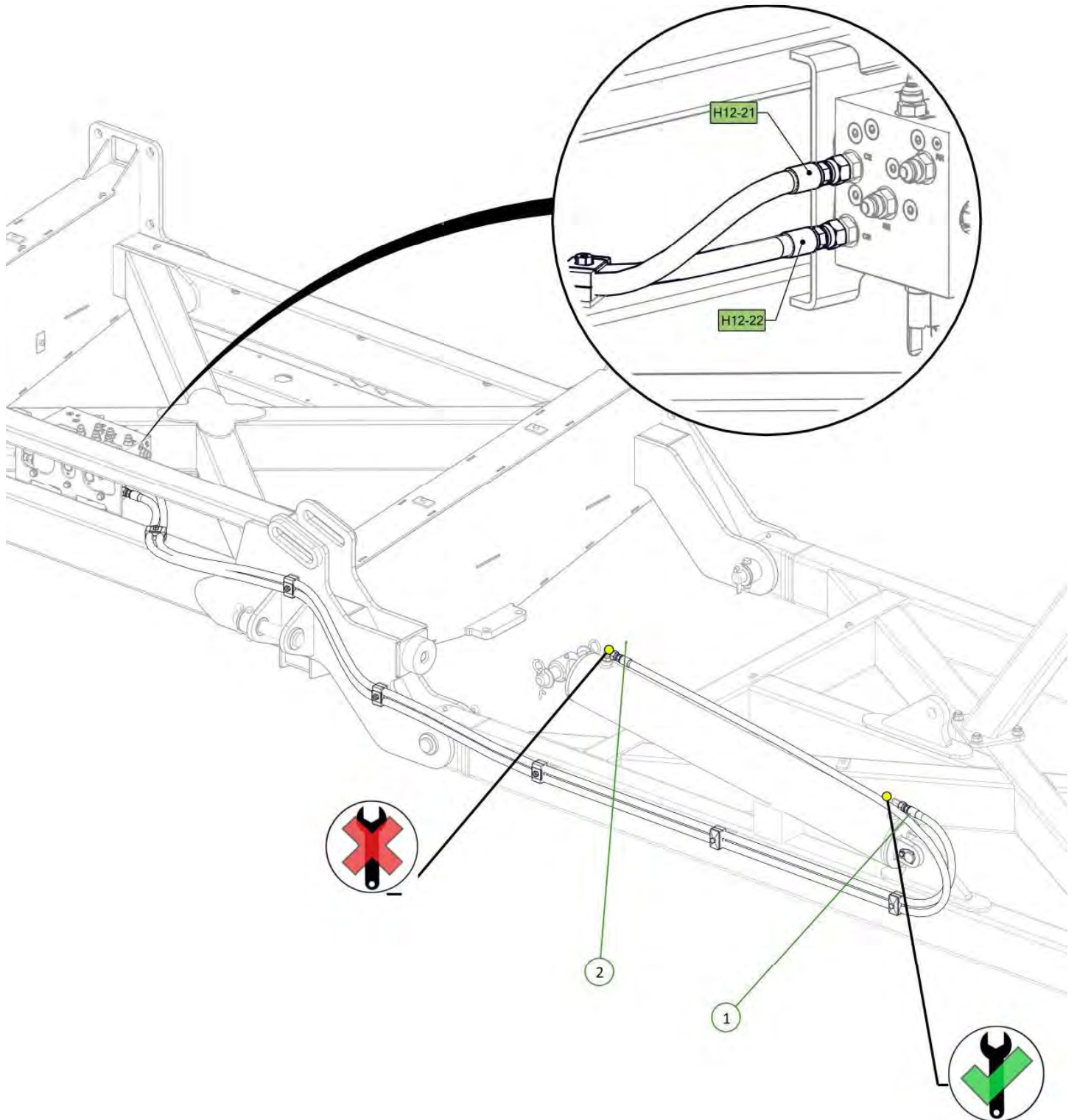




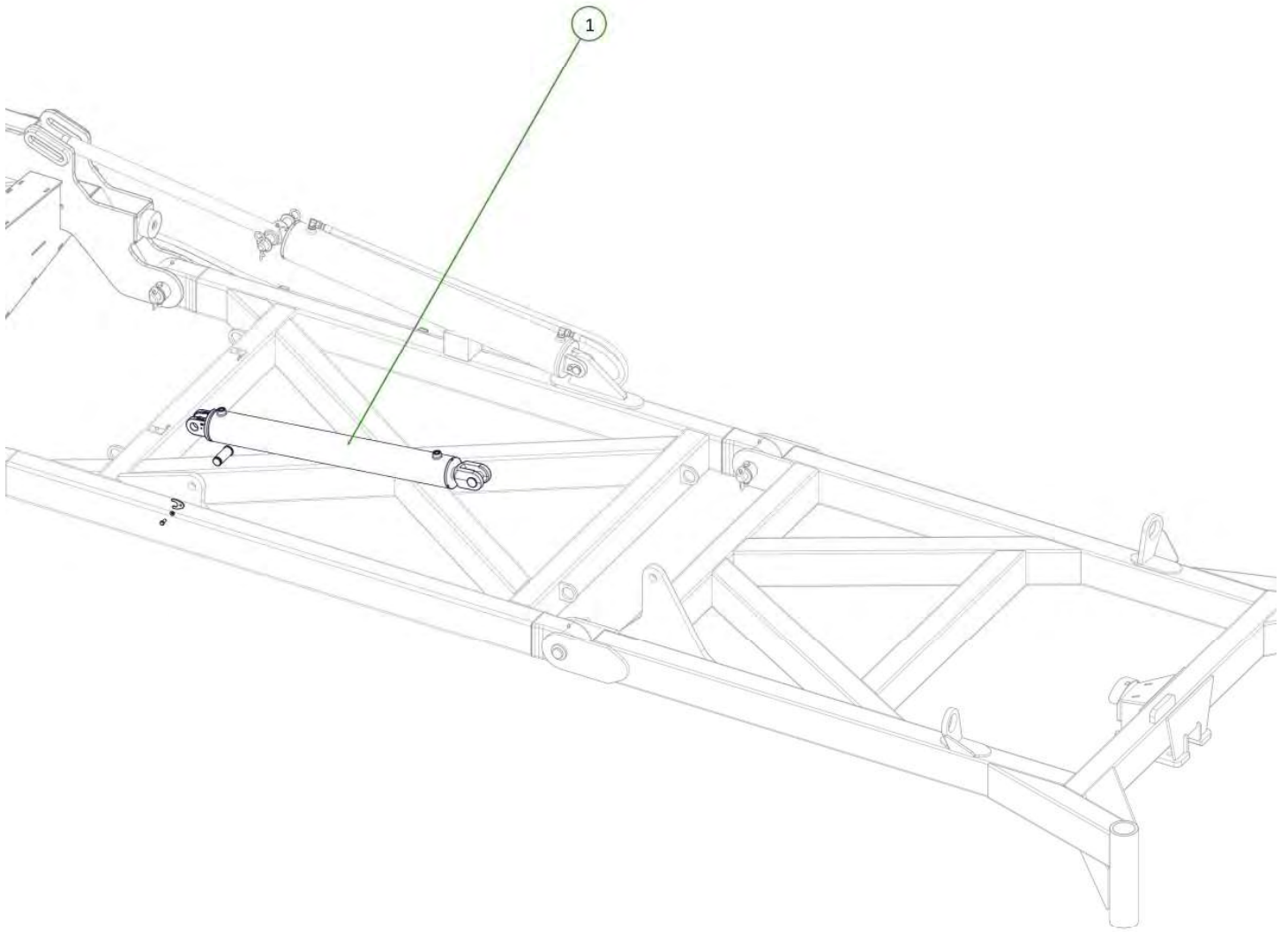
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2 | 0323-S91-1212 |

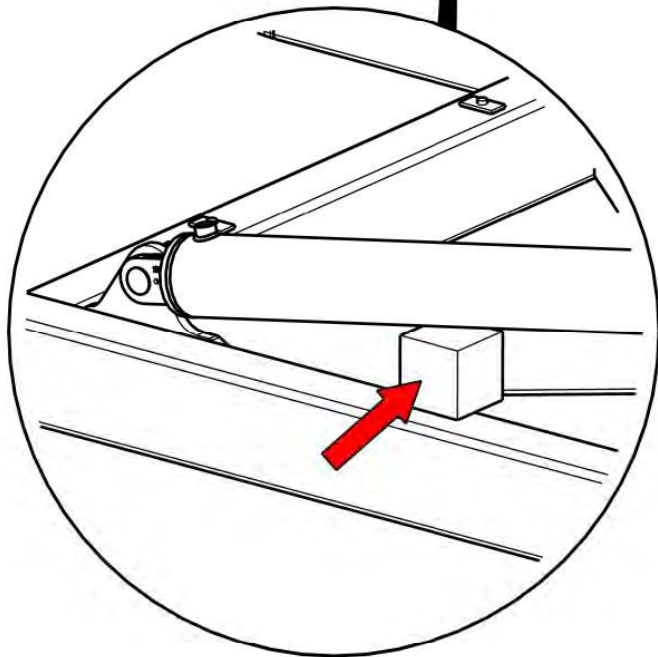
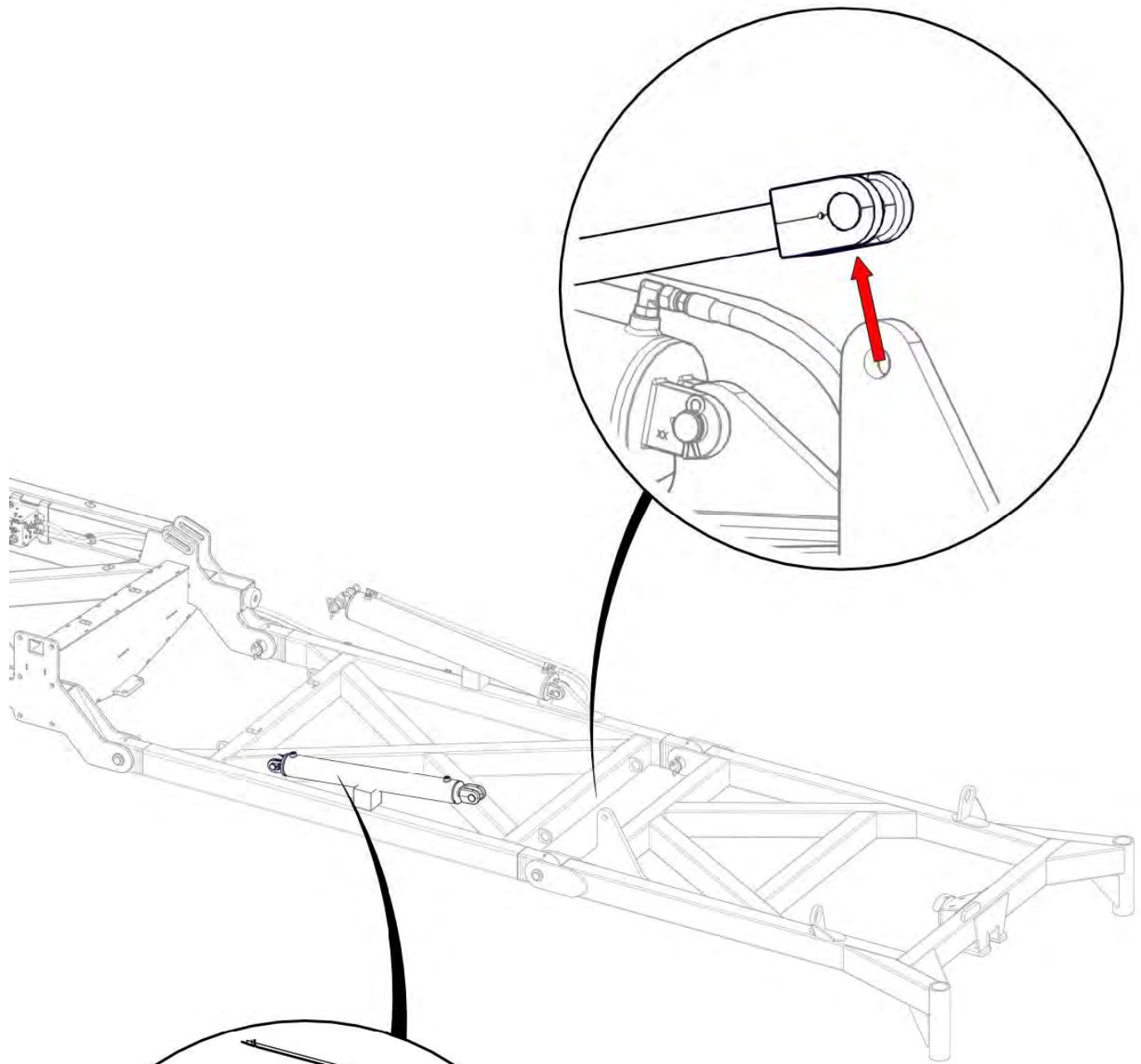


| Item No. | Description | Qty | Number |
|----------|---|-----|--------|
| 1 | Right CE Port to RH Main Wing Cylinder Extend Port | 1 | H12-21 |
| 2 | Right CR Port to RH Main Wing Cylinder Retract Port | 1 | H12-22 |

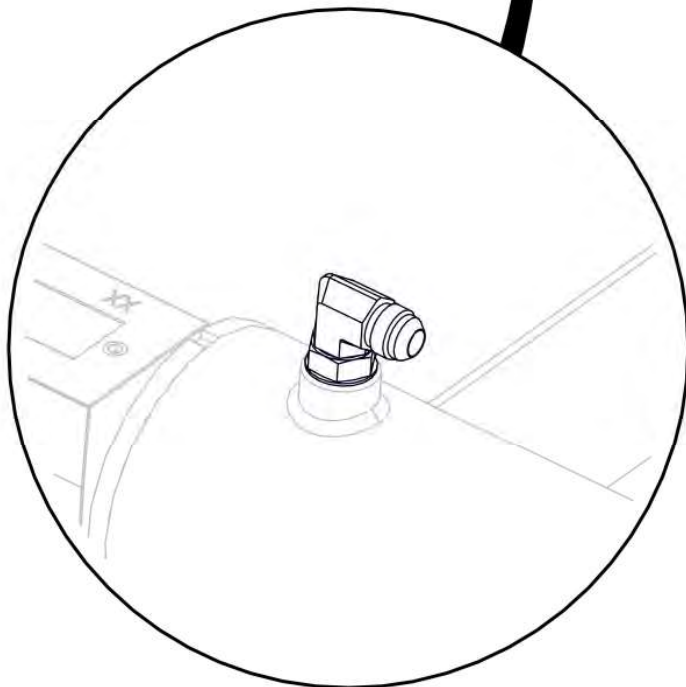
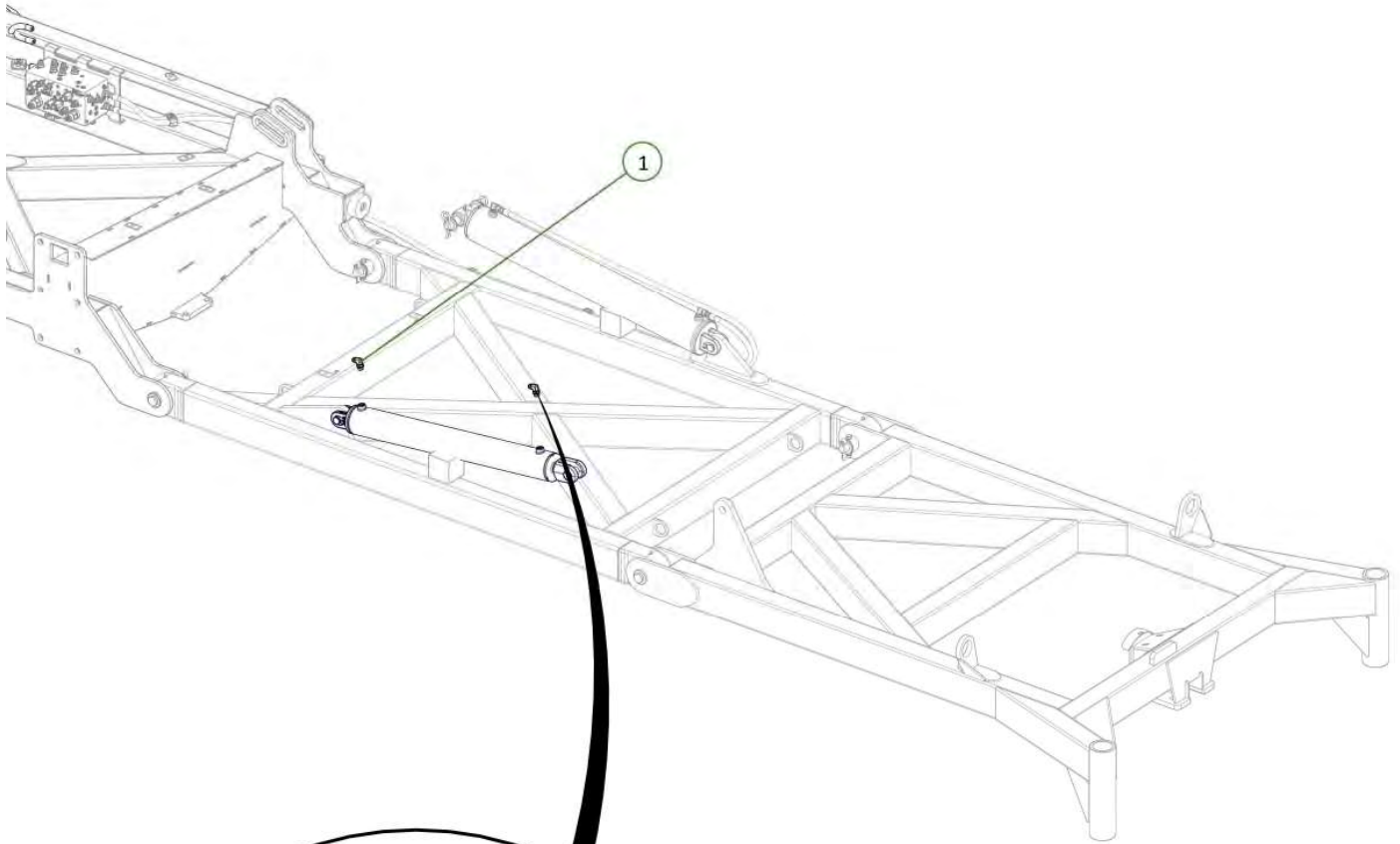


| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 4" Bore 30" Stroke 3" S/Tube 1.75" Rod Hydraulic Cylinder with Stop Tube & Clevis | 1 | 0311-430ST-C2 |

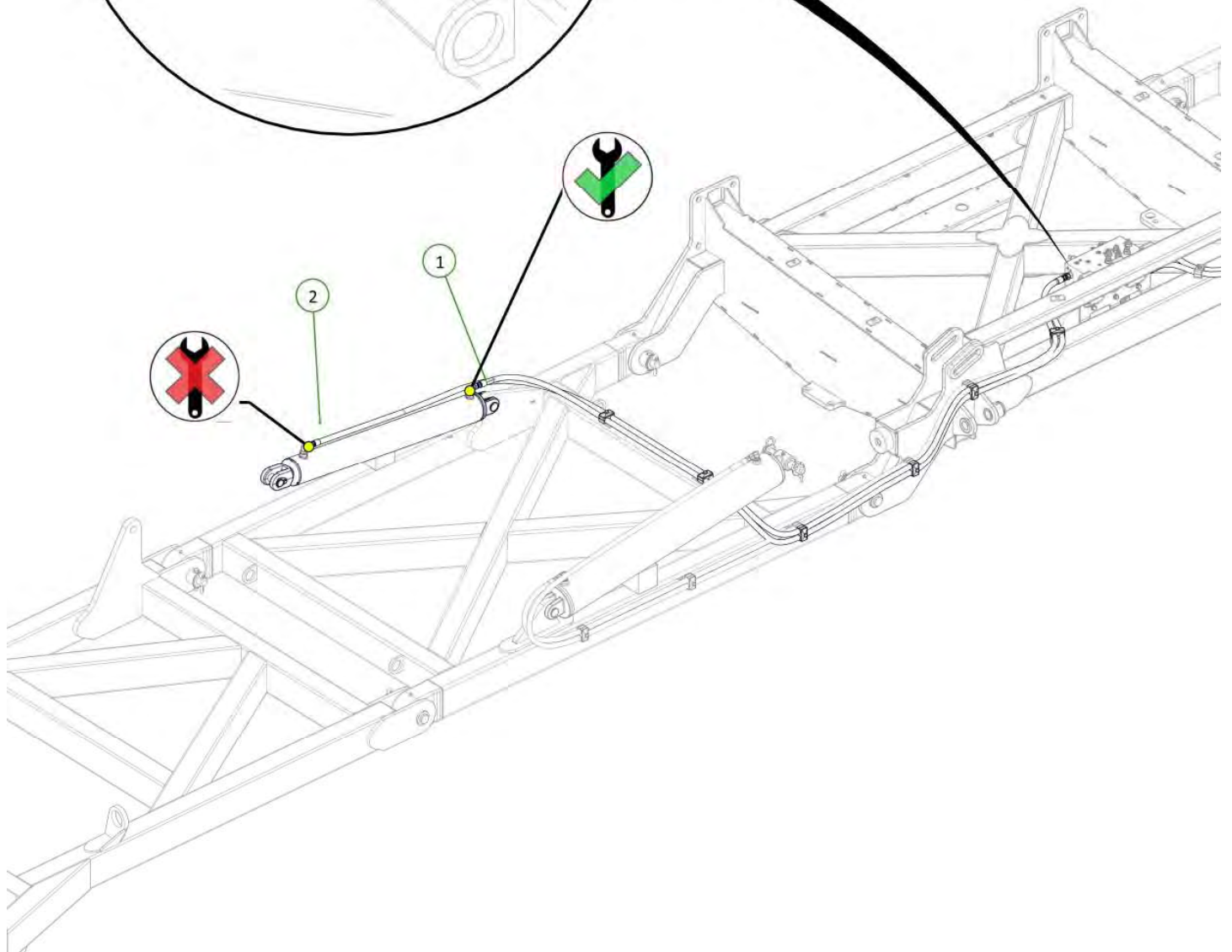
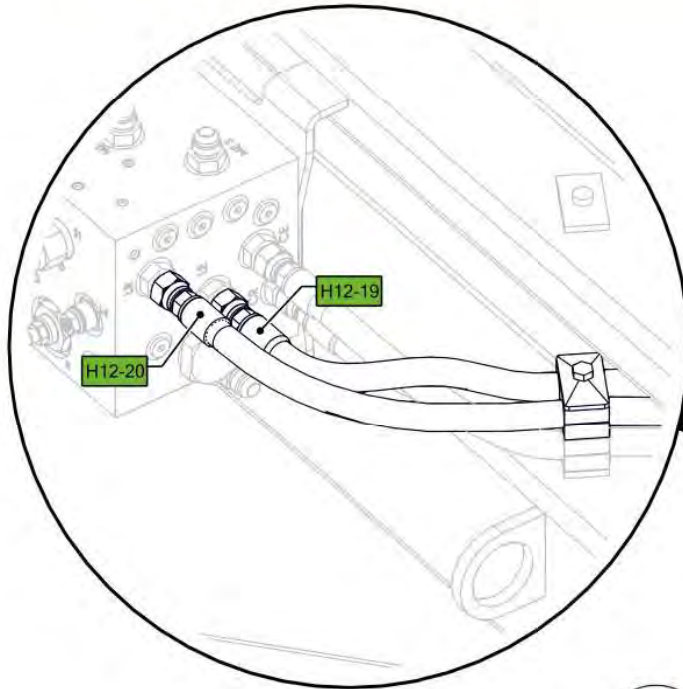




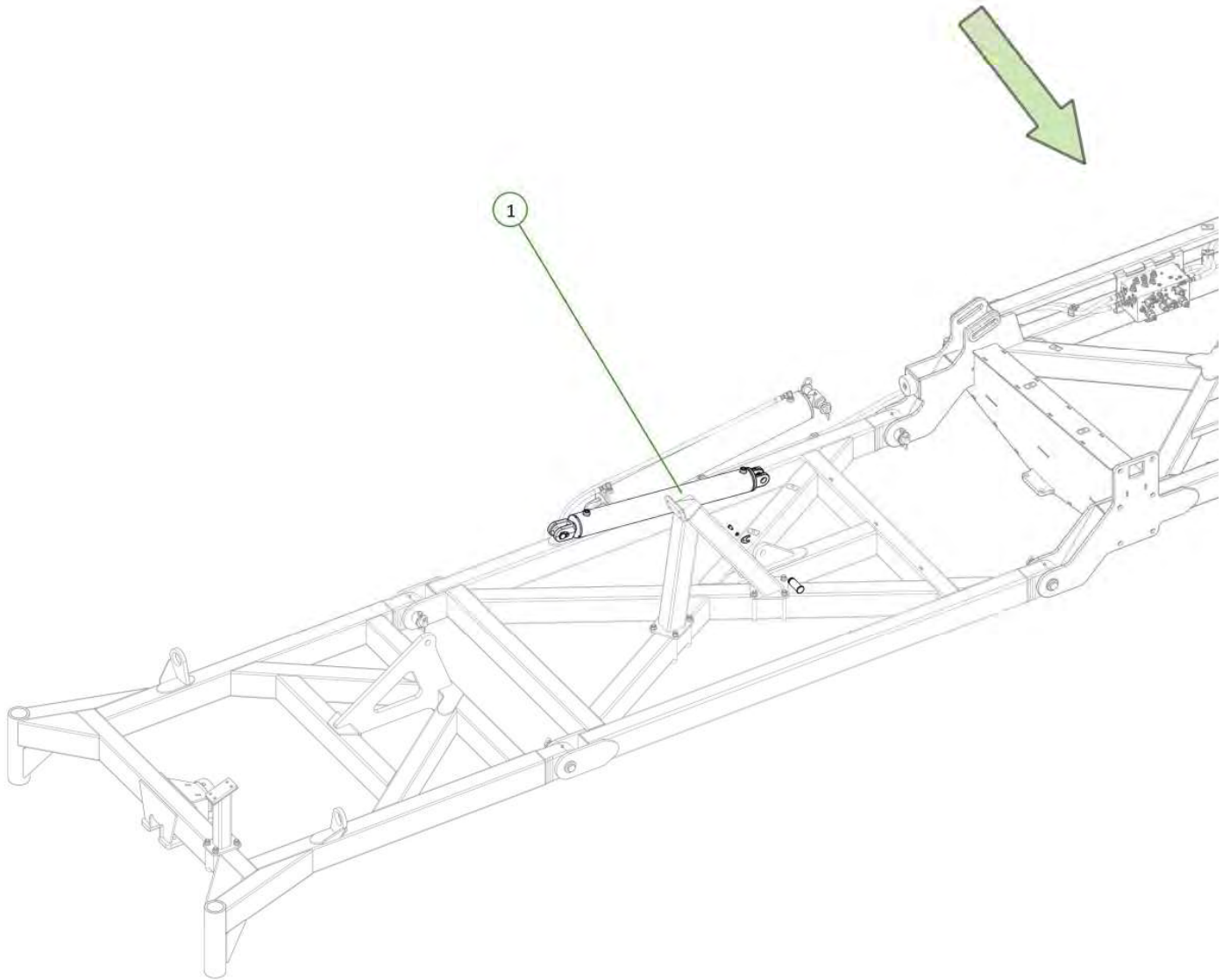
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2 | 0323-S91-1212 |

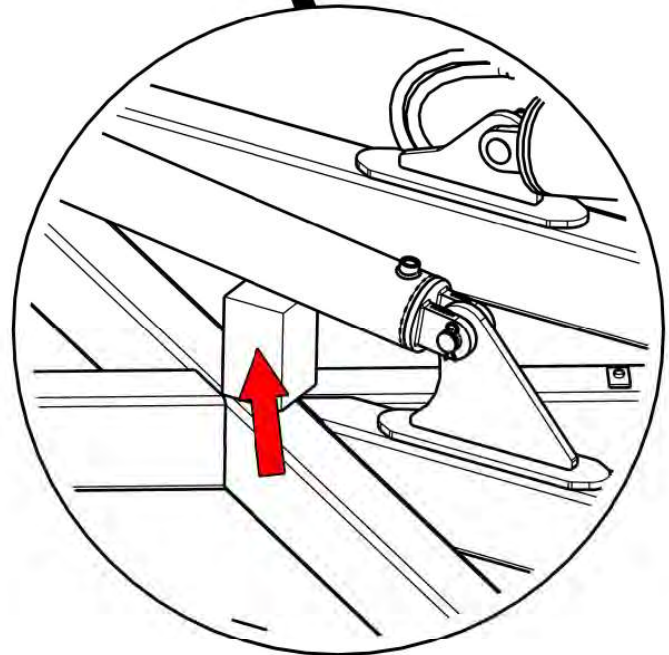
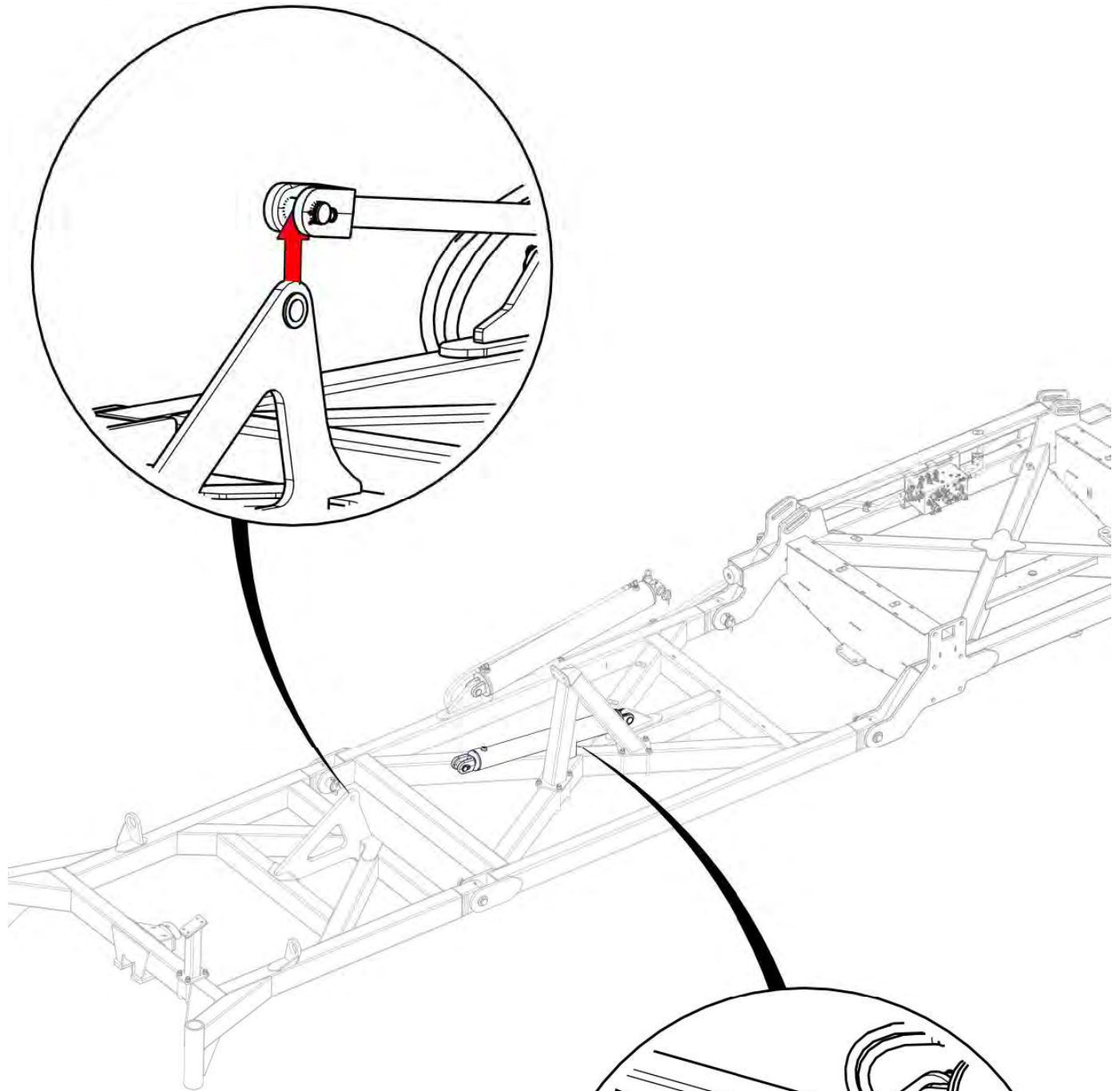


| Item No. | Description | Qty | Number |
|----------|--|-----|--------|
| 1 | LE Port to LH Outer Wing Cylinder Extend Port | 1 | H12-19 |
| 2 | LR Port to LH Outer Wing Cylinder Retract Port | 1 | H12-20 |

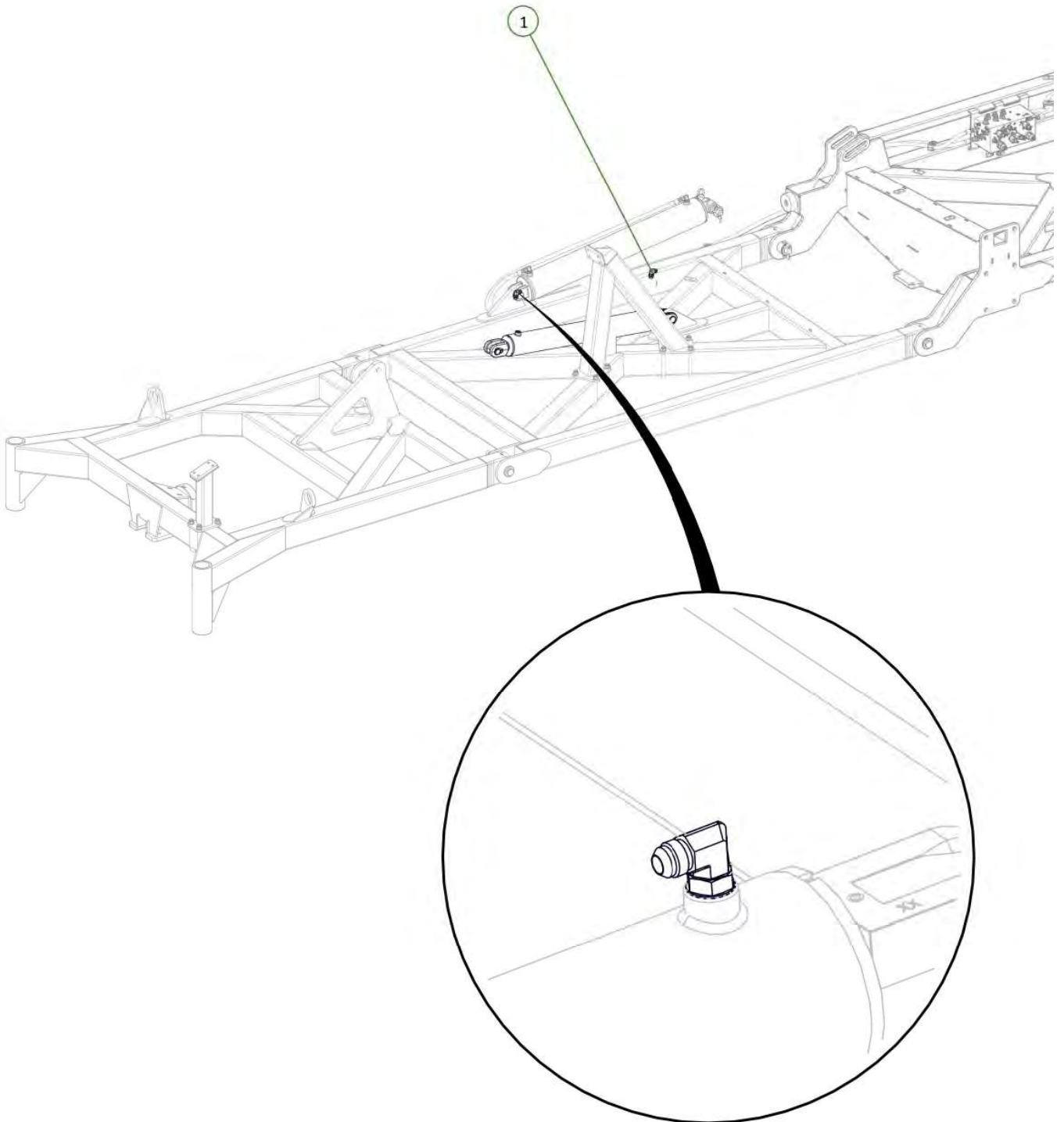


| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 4" Bore 30" Stroke 3" S/Tube 1.75" Rod Hydraulic Cylinder with Stop Tube & Clevis | 1 | 0311-430ST-C2 |

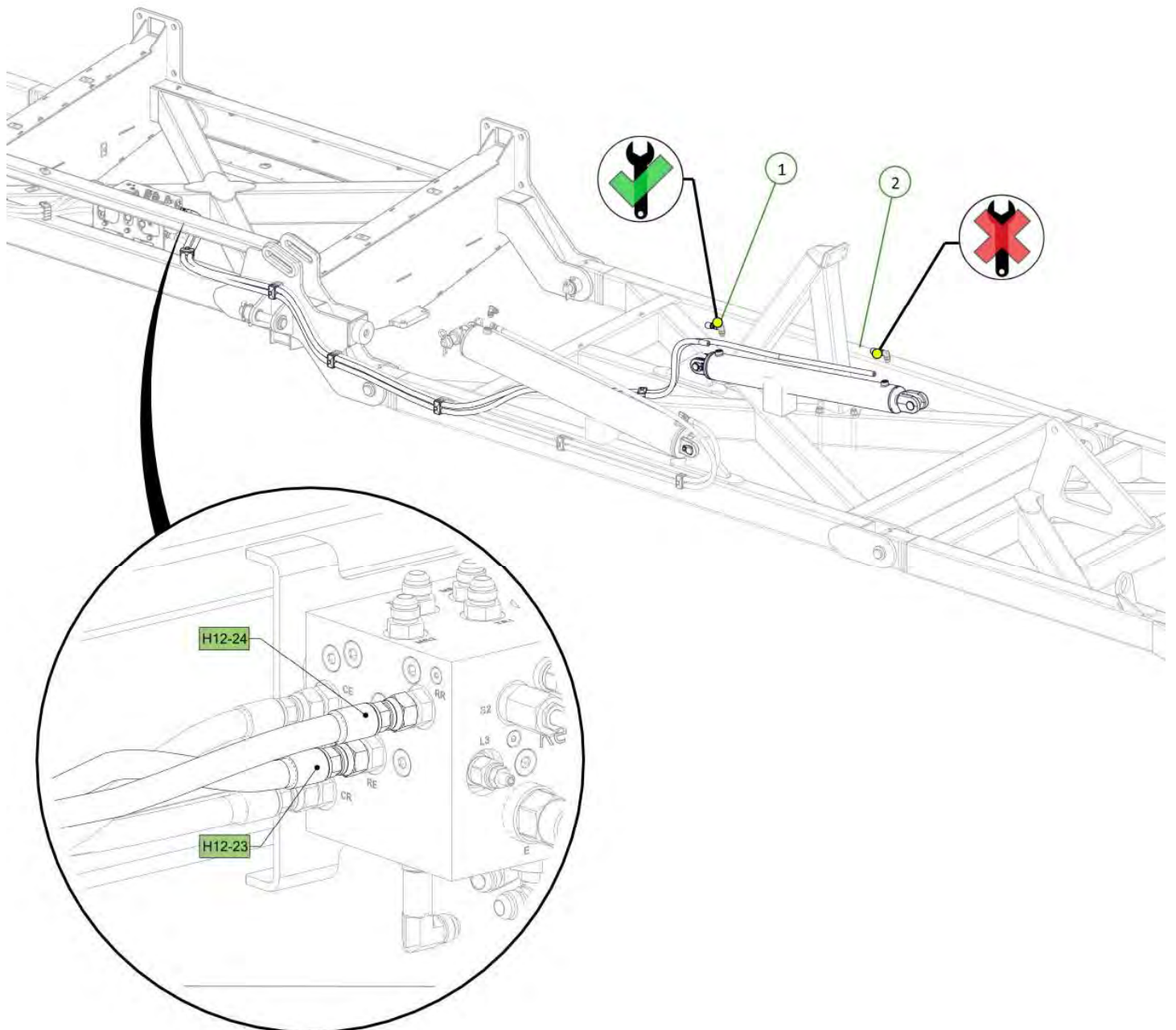




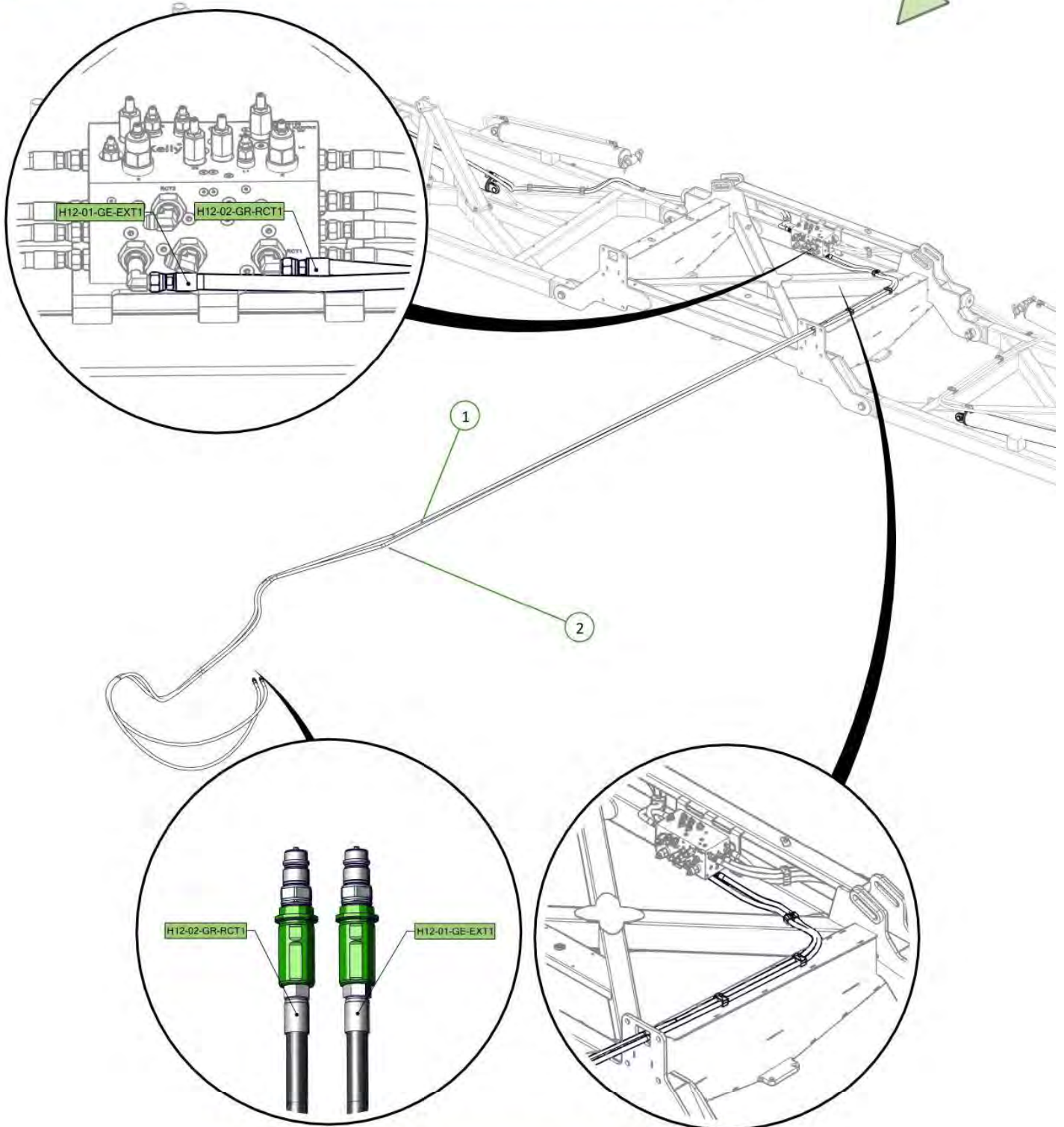
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2 | 0323-S91-1212 |



| Item No. | Description | Qty | Number |
|----------|--|-----|--------|
| 1 | RE Port to RH Outer Wing Cylinder Extend Port | 1 | H12-23 |
| 2 | RR Port to RH Outer Wing Cylinder Retract Port | 1 | H12-24 |



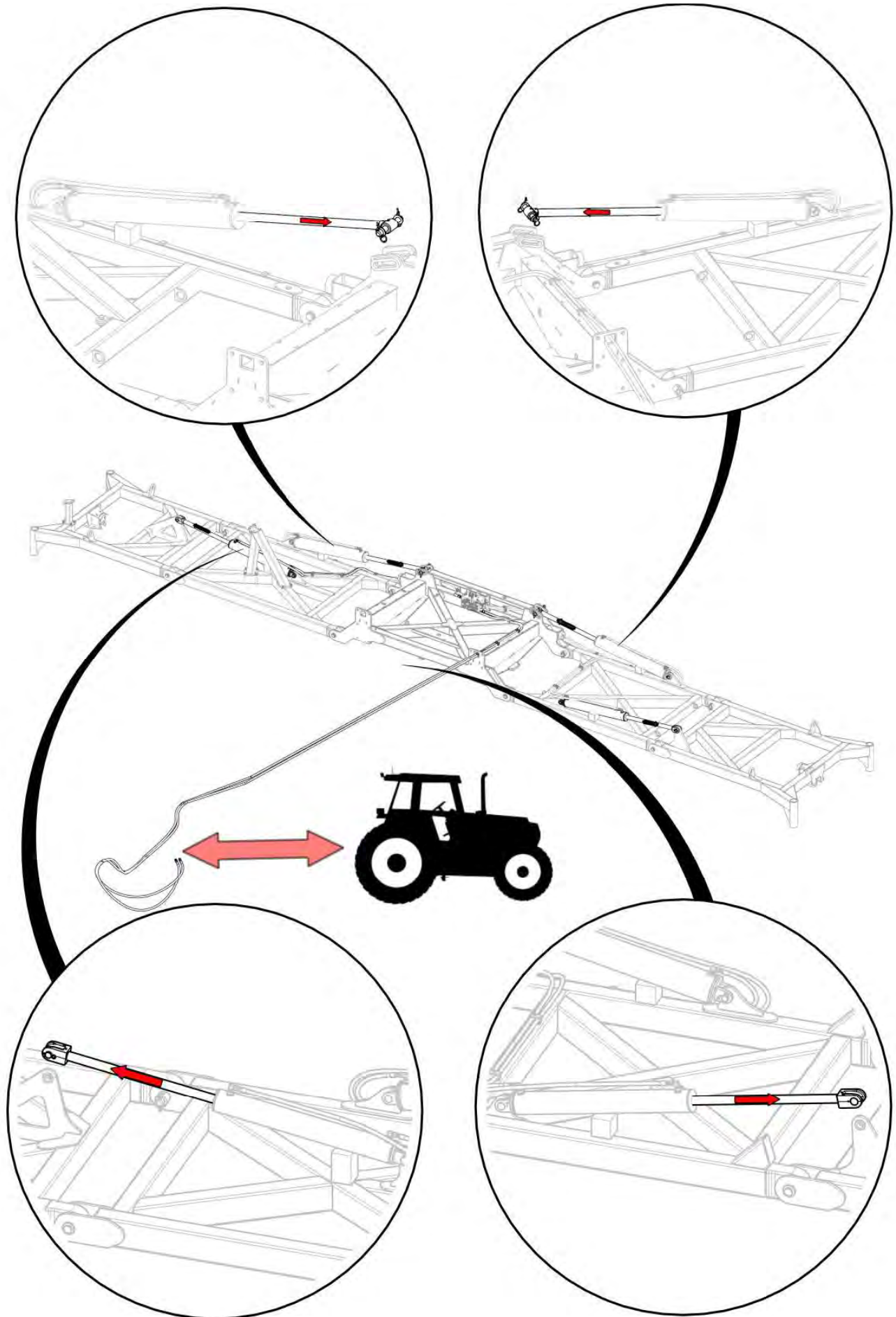
| Item No. | Description | Qty | Number |
|----------|---|-----|----------------|
| 1 | Tractor to Sequence Valve EXT1 Port Fitted With Green EXT Decal | 1 | H12-01-GE-EXT1 |
| 2 | Tractor to Sequence Valve RCT1 Port Fitted With Green RET Decal | 1 | H12-02-GR-RCT1 |

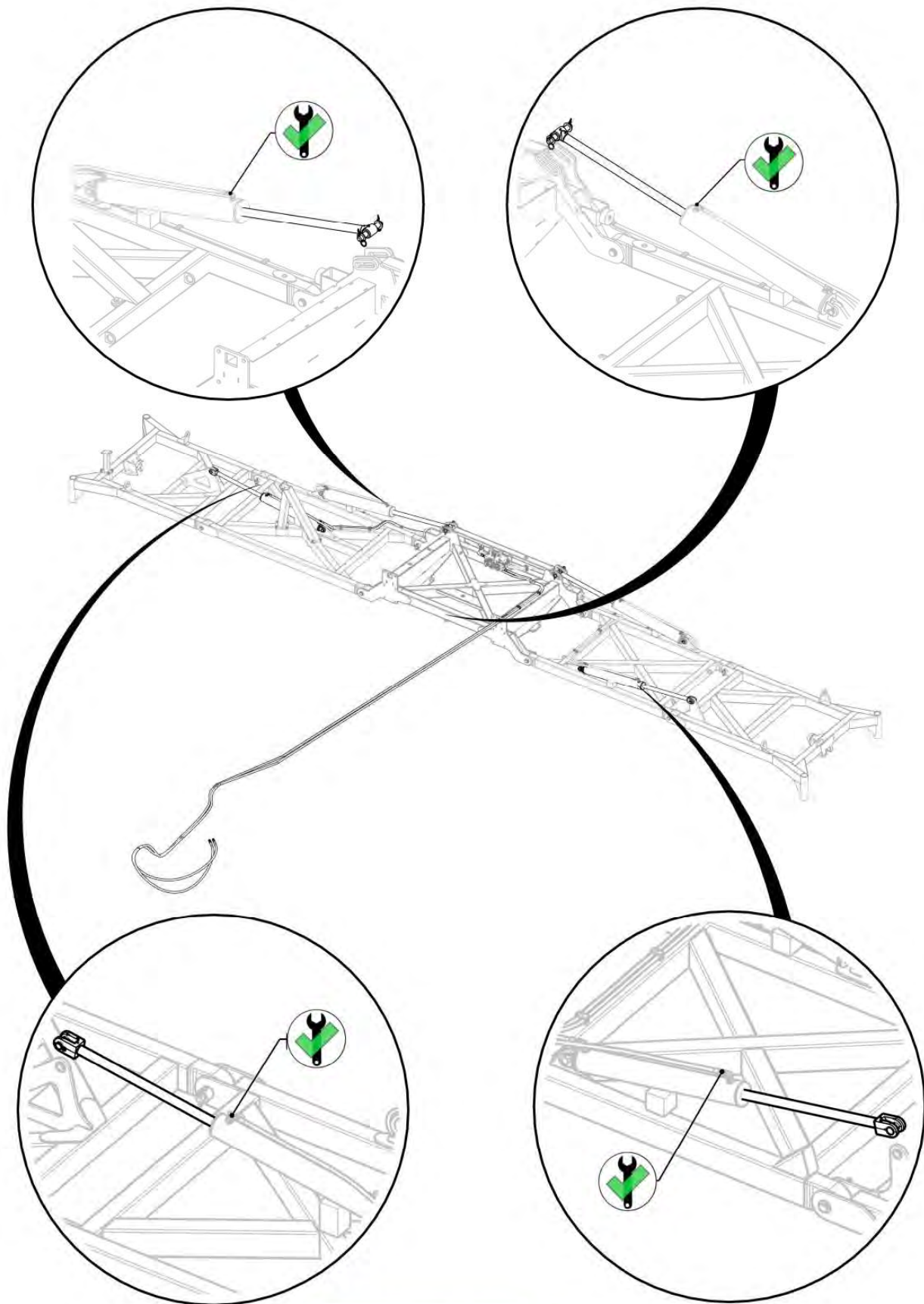


All retract hose fittings loose to allow air to escape

All cylinders chocked up to prevent clash during extend

Signed _____ Date __/__/__
 Unit Serial Number _____

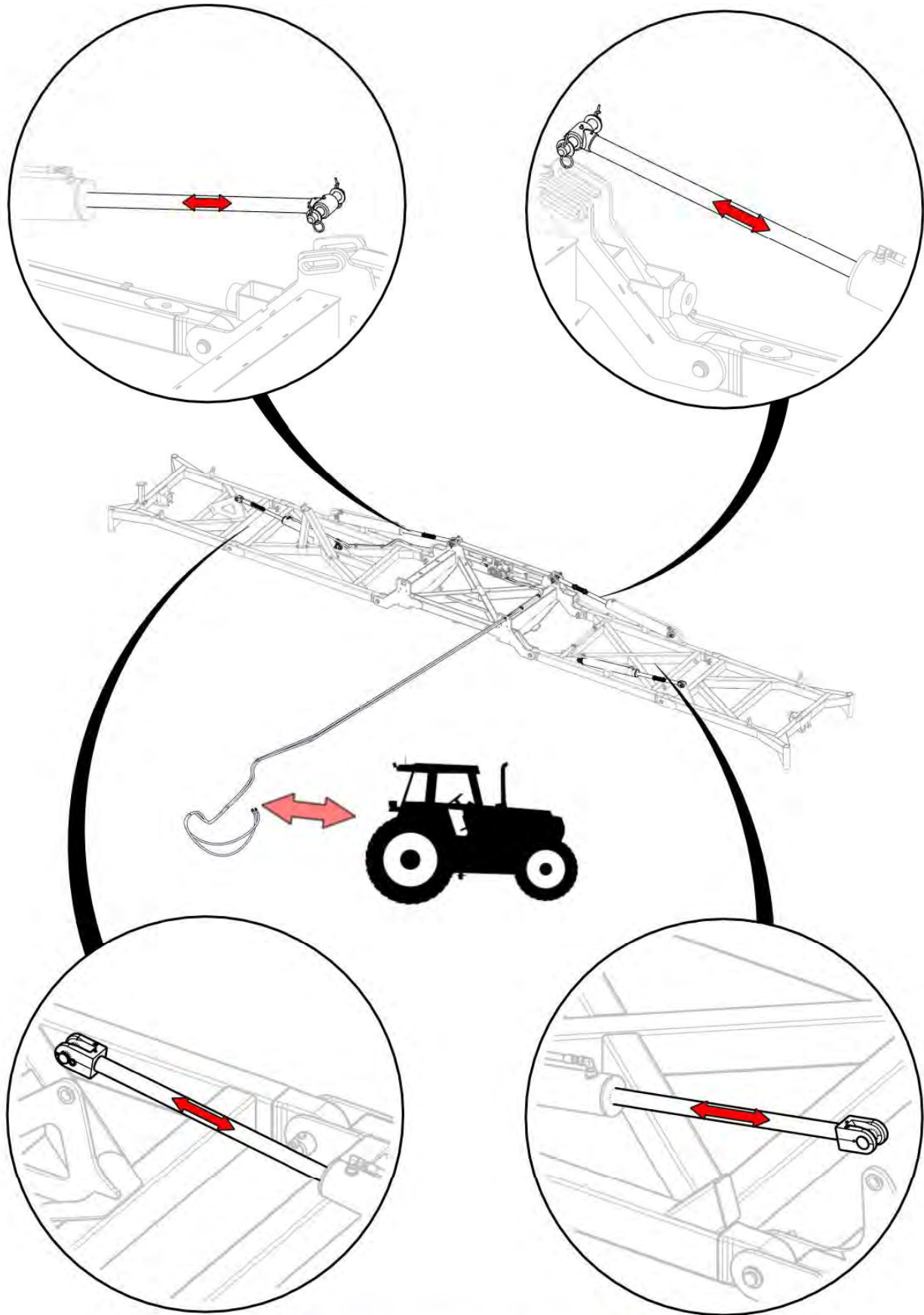




Retract fittings tightened



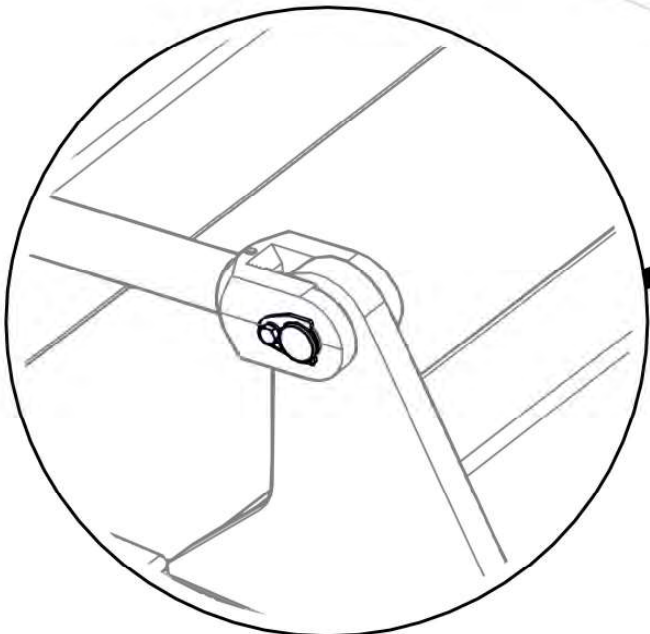
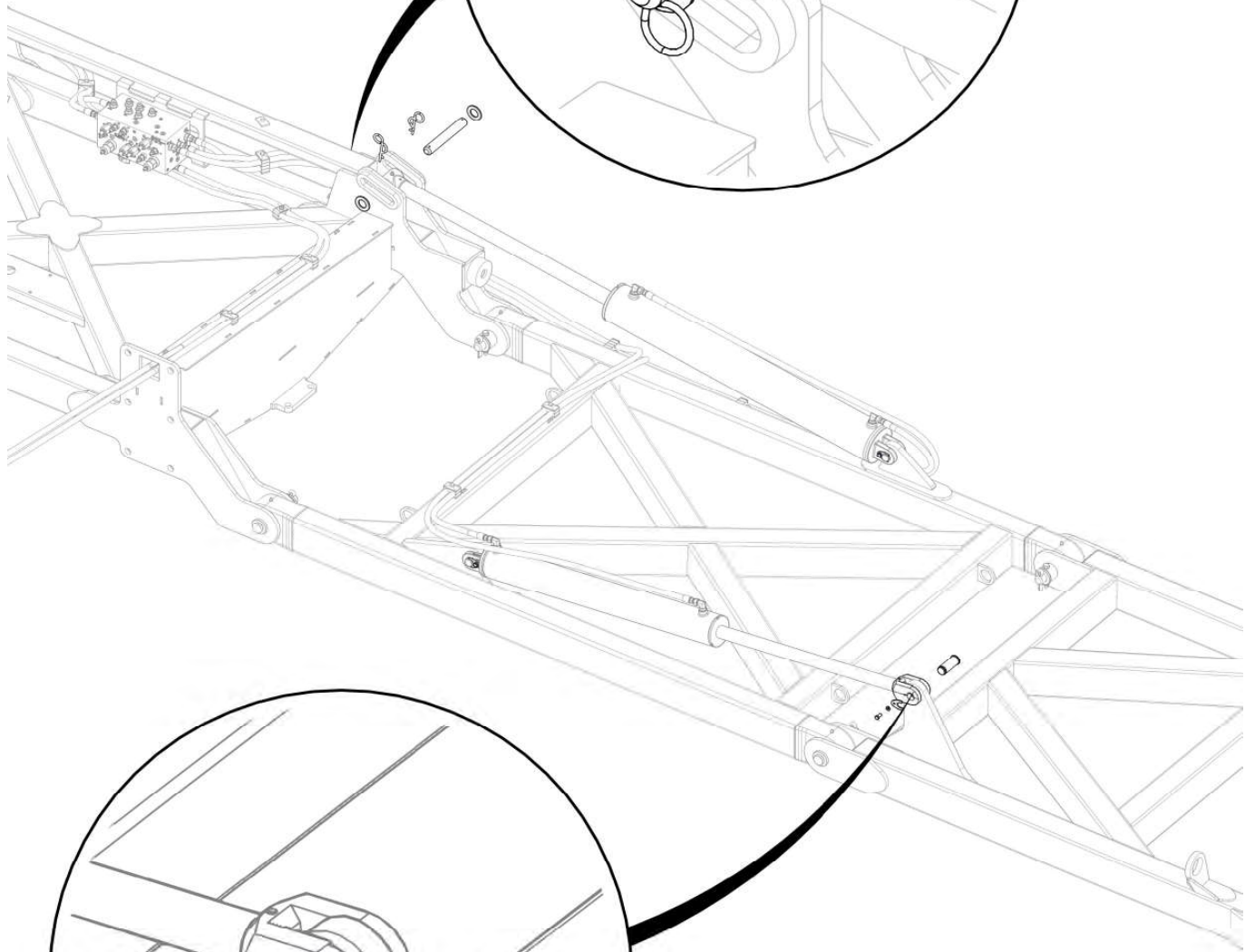
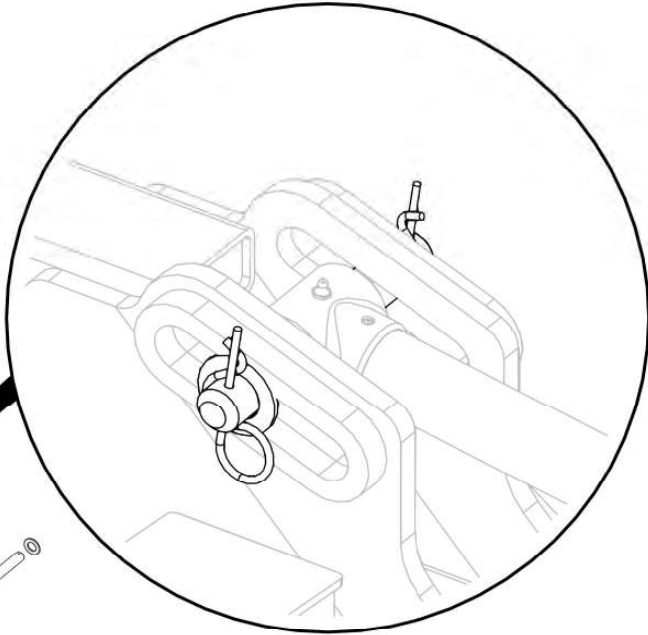
Signed _____ Date ____/____/____
Unit Serial Number _____

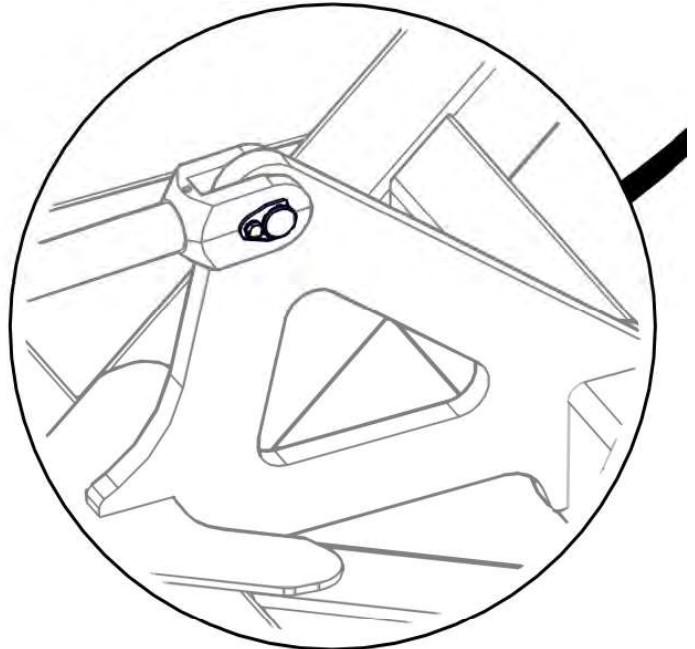
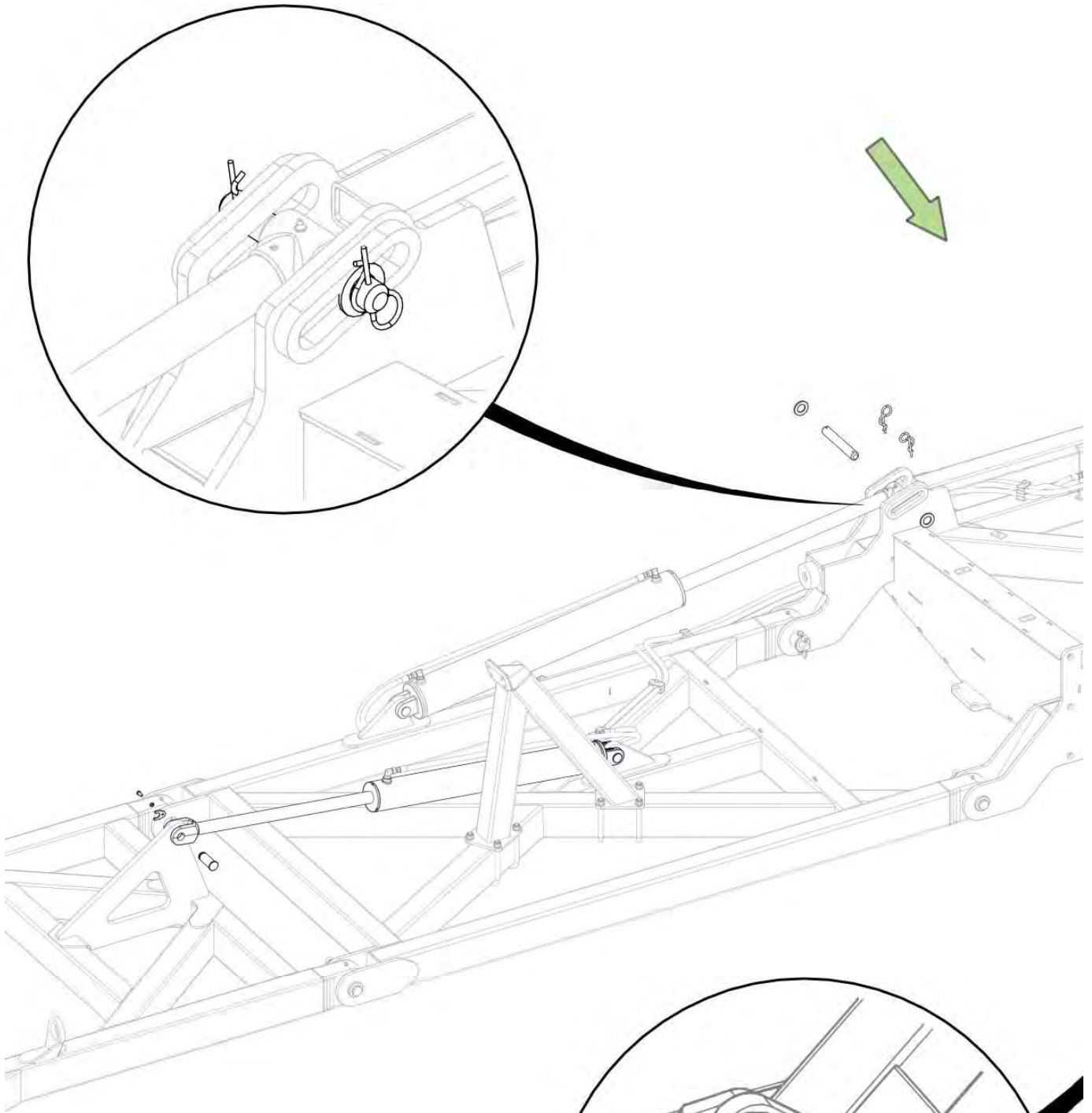


Cylinders cycled to expel air from system

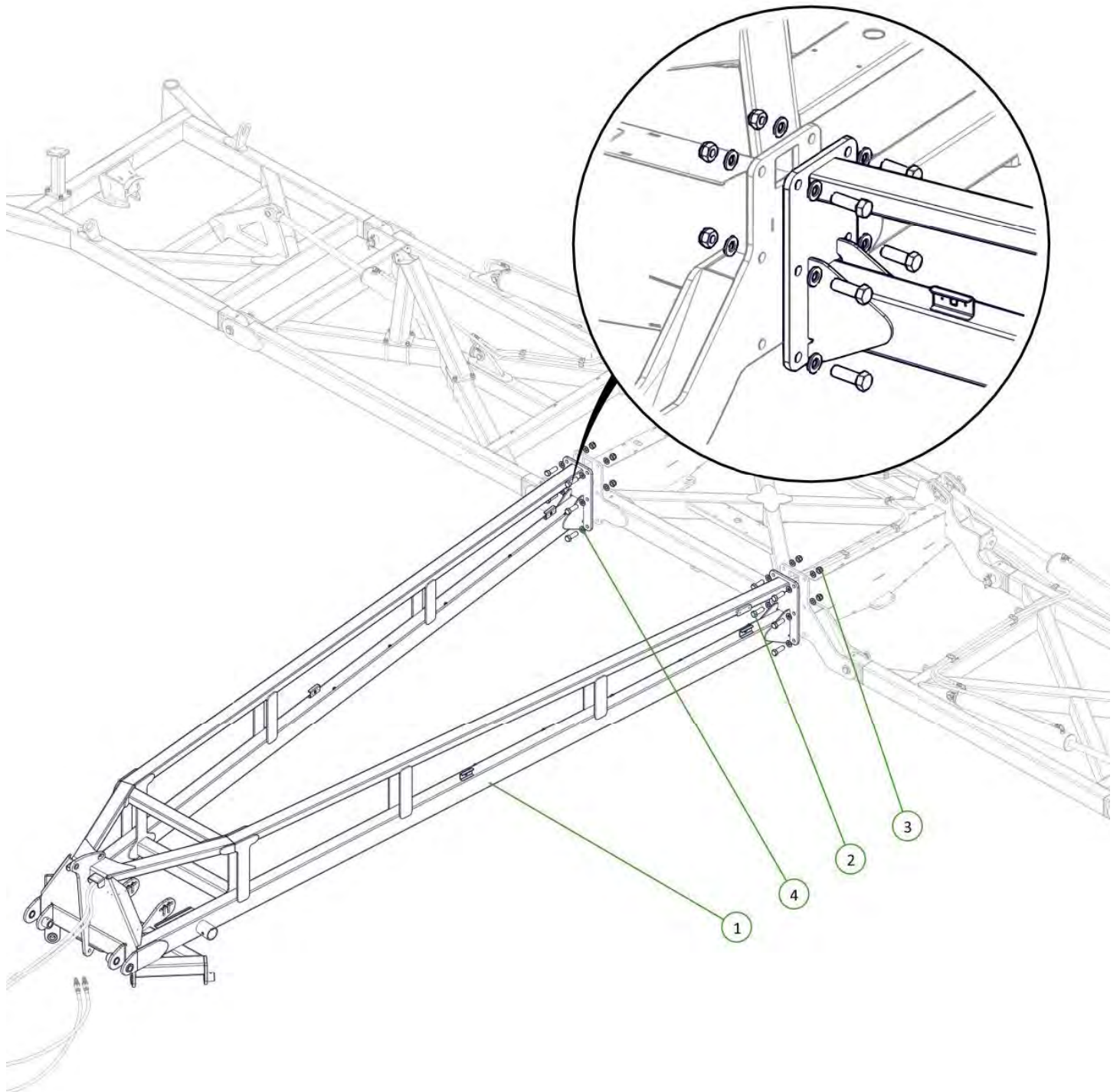


Signed _____ Date __/__/__
Unit Serial Number _____

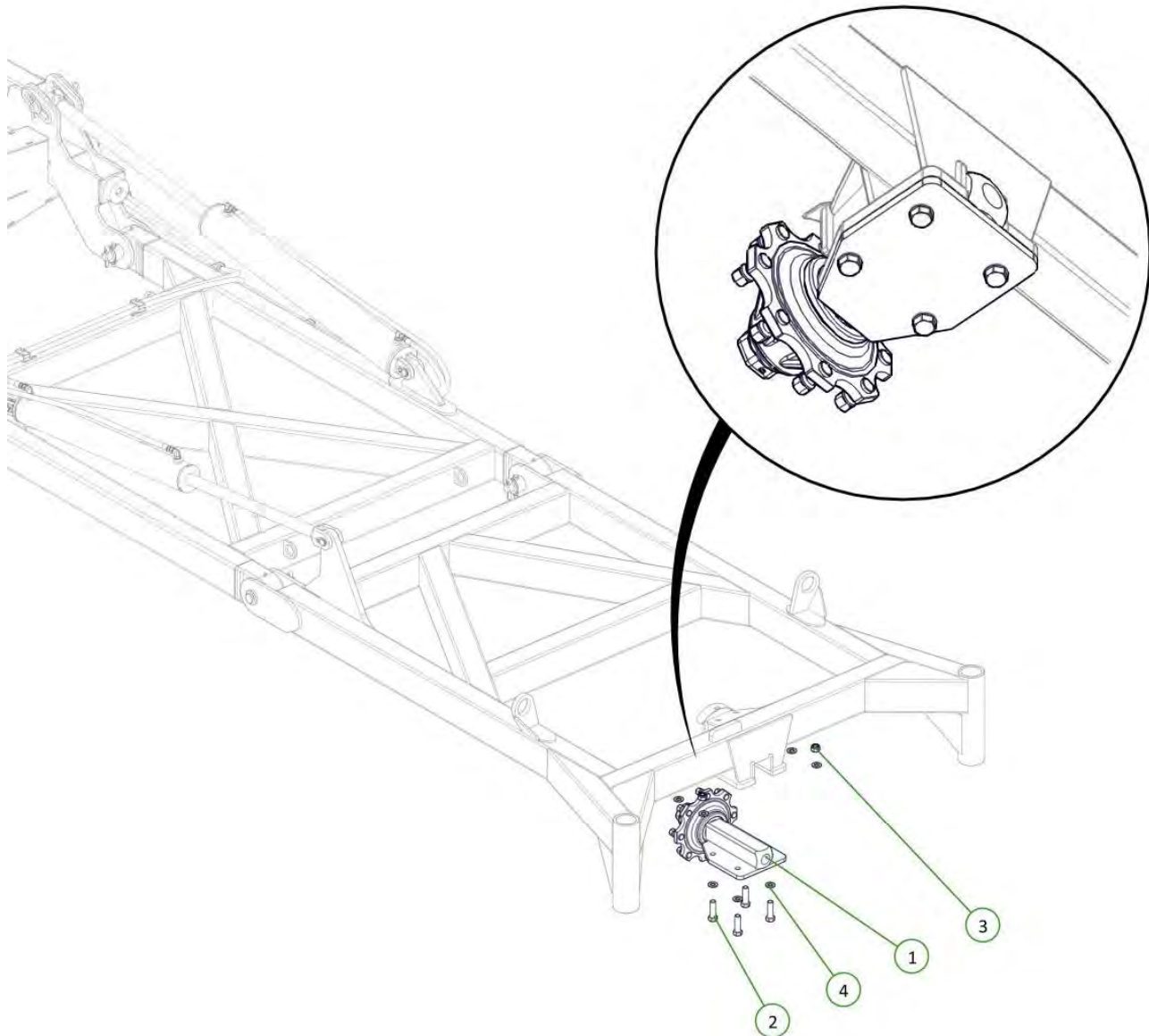




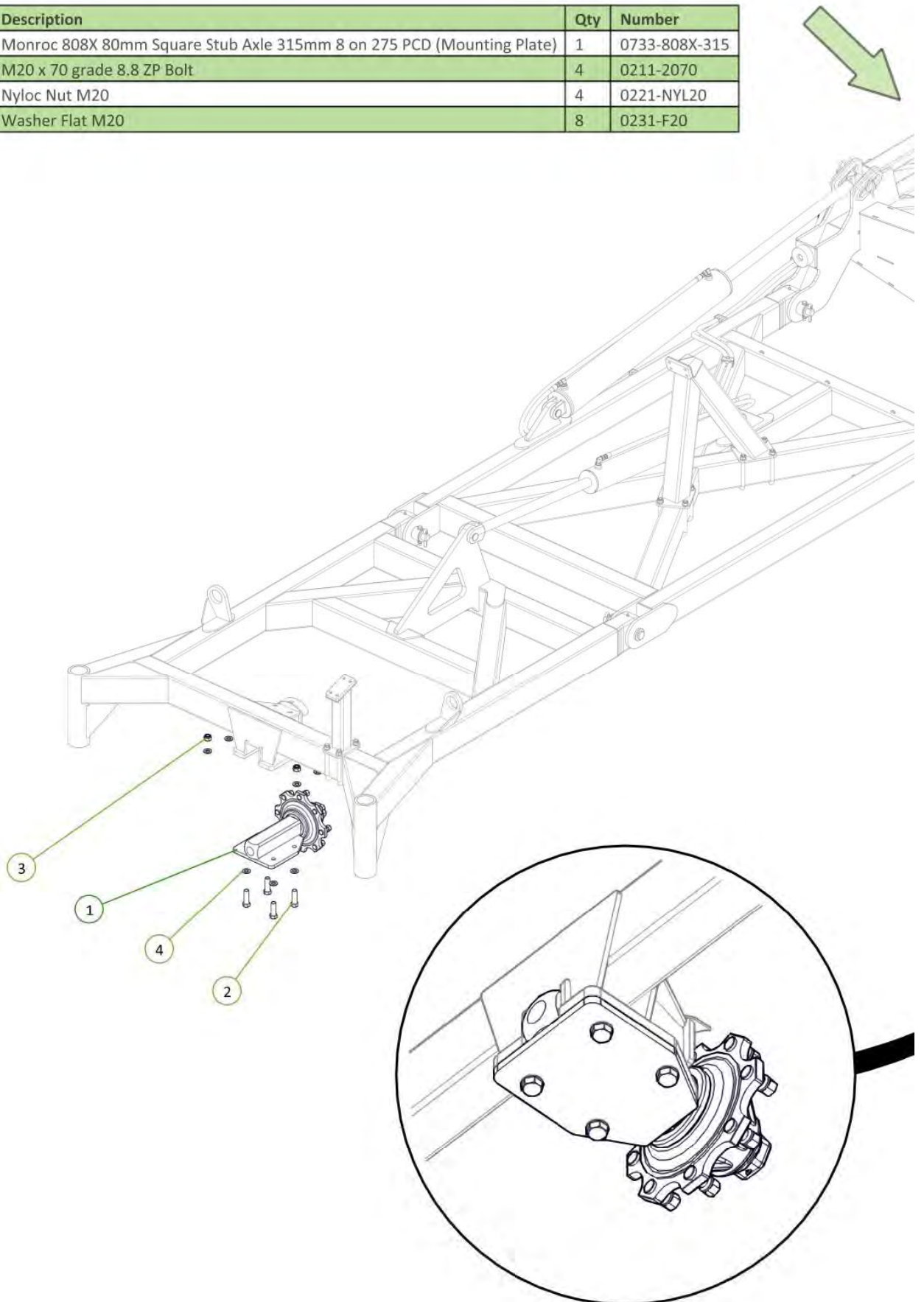
| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------|
| 1 | Front A Frame | 1 | 1540-02 |
| 2 | M24 x 65 grade 8.8 zp Bolt | 12 | 0211-2465 |
| 3 | Nyloc Nut M24 | 12 | 0221-NYL24 |
| 4 | Washer Flat M24 | 24 | 0231-F24 |



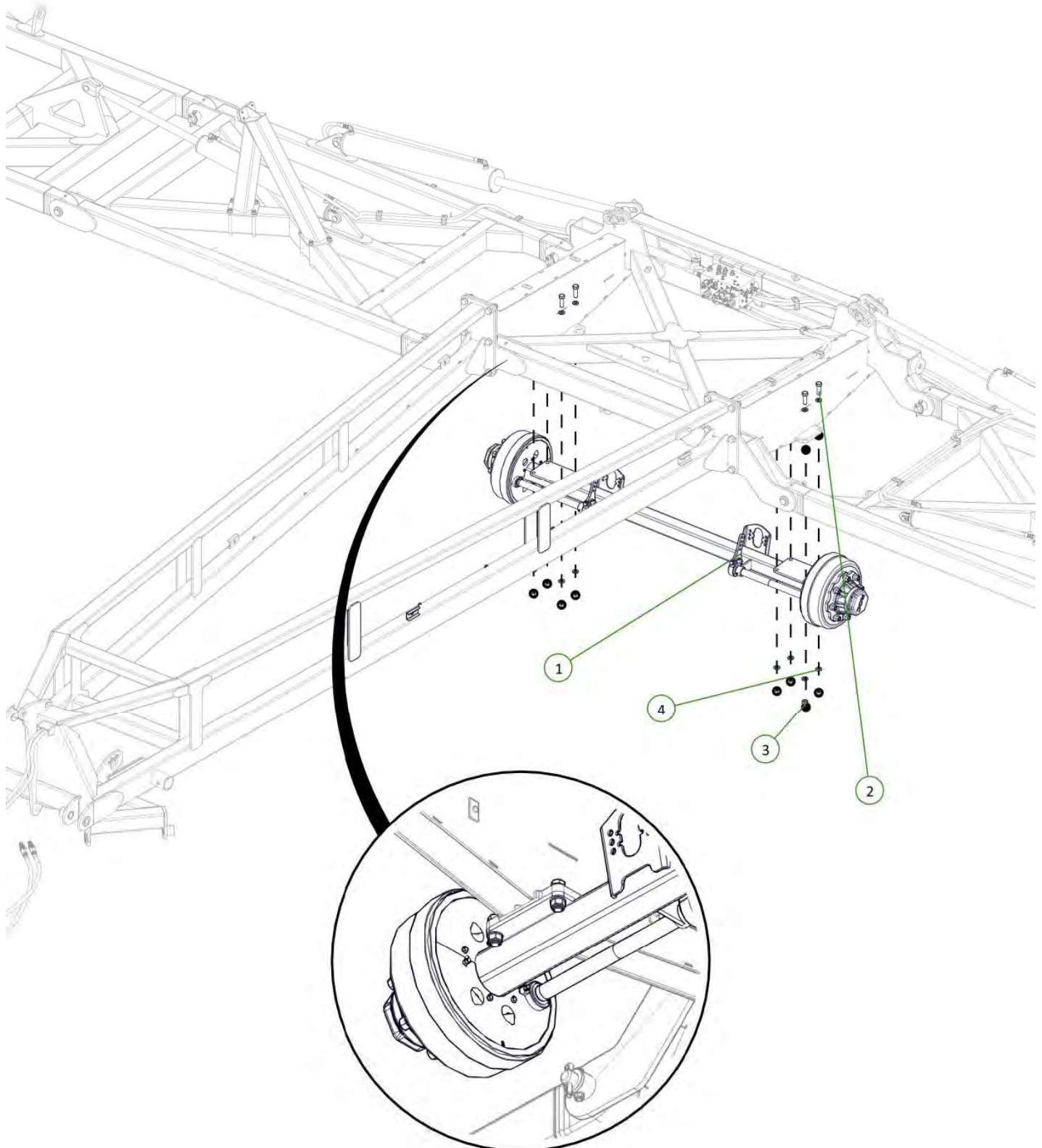
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | Monroc 808X 80mm Square Stub Axle 315mm 8 on 275 PCD (Mounting Plate) | 1 | 0733-808X-315 |
| 2 | M20 x 70 grade 8.8 ZP Bolt | 4 | 0211-2070 |
| 3 | Nyloc Nut M20 | 4 | 0221-NYL20 |
| 4 | Washer Flat M20 | 8 | 0231-F20 |



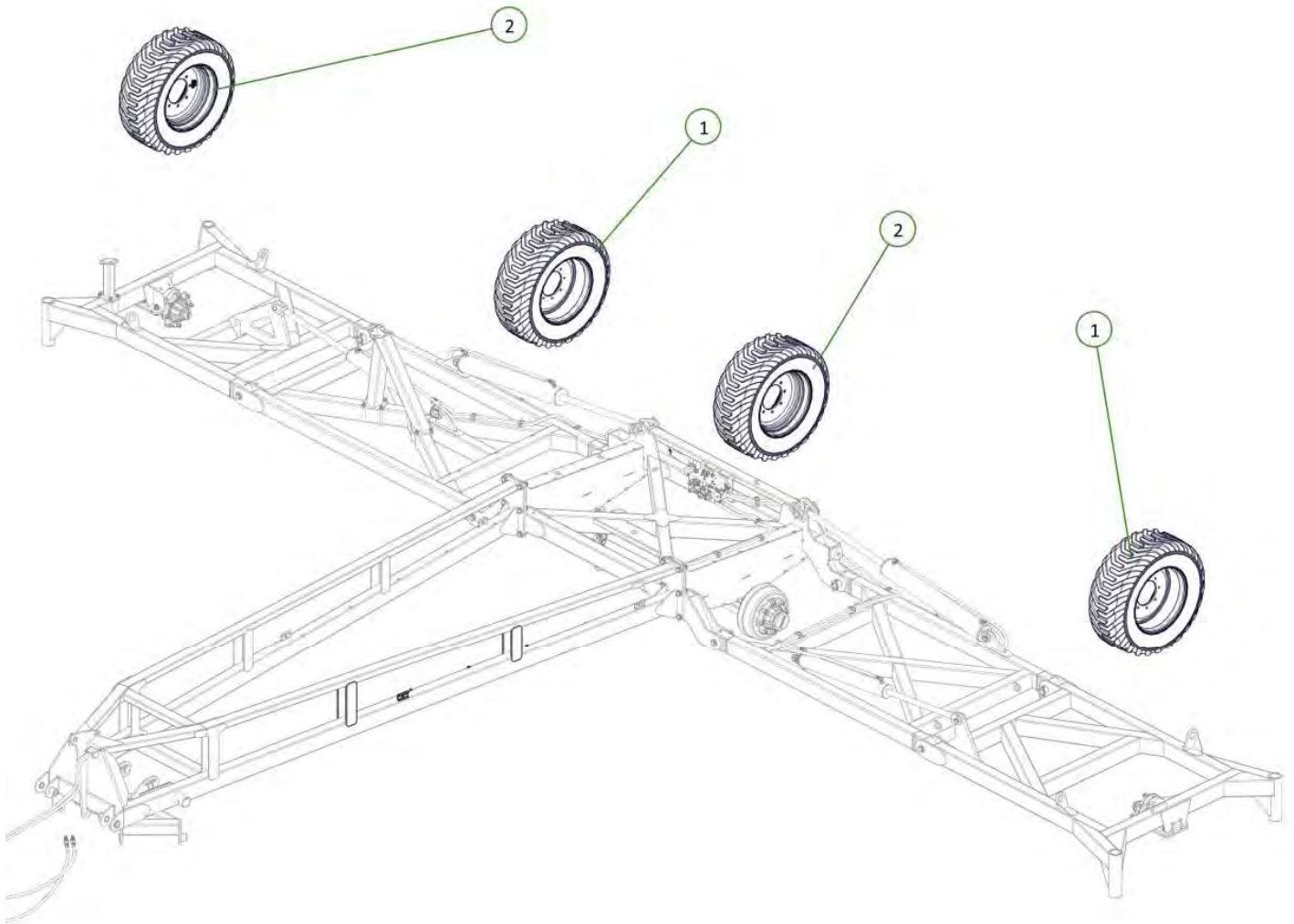
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | Monroc 808X 80mm Square Stub Axle 315mm 8 on 275 PCD (Mounting Plate) | 1 | 0733-808X-315 |
| 2 | M20 x 70 grade 8.8 ZP Bolt | 4 | 0211-2070 |
| 3 | Nyloc Nut M20 | 4 | 0221-NYL20 |
| 4 | Washer Flat M20 | 8 | 0231-F20 |



| Item No. | Description | Qty | Number |
|----------|--|-----|---------------------------|
| 1 | Monroc Beam Axle 9 & 12m with mount plates | 1 | 0733-908XFR406X120-V2570J |
| 2 | M20 x 65 grade 8.8 ZP Bolt | 8 | 0211-2065 |
| 3 | Nyloc Nut M20 | 8 | 0221-NYL20 |
| 4 | Washer Flat M20 | 16 | 0231-F20 |

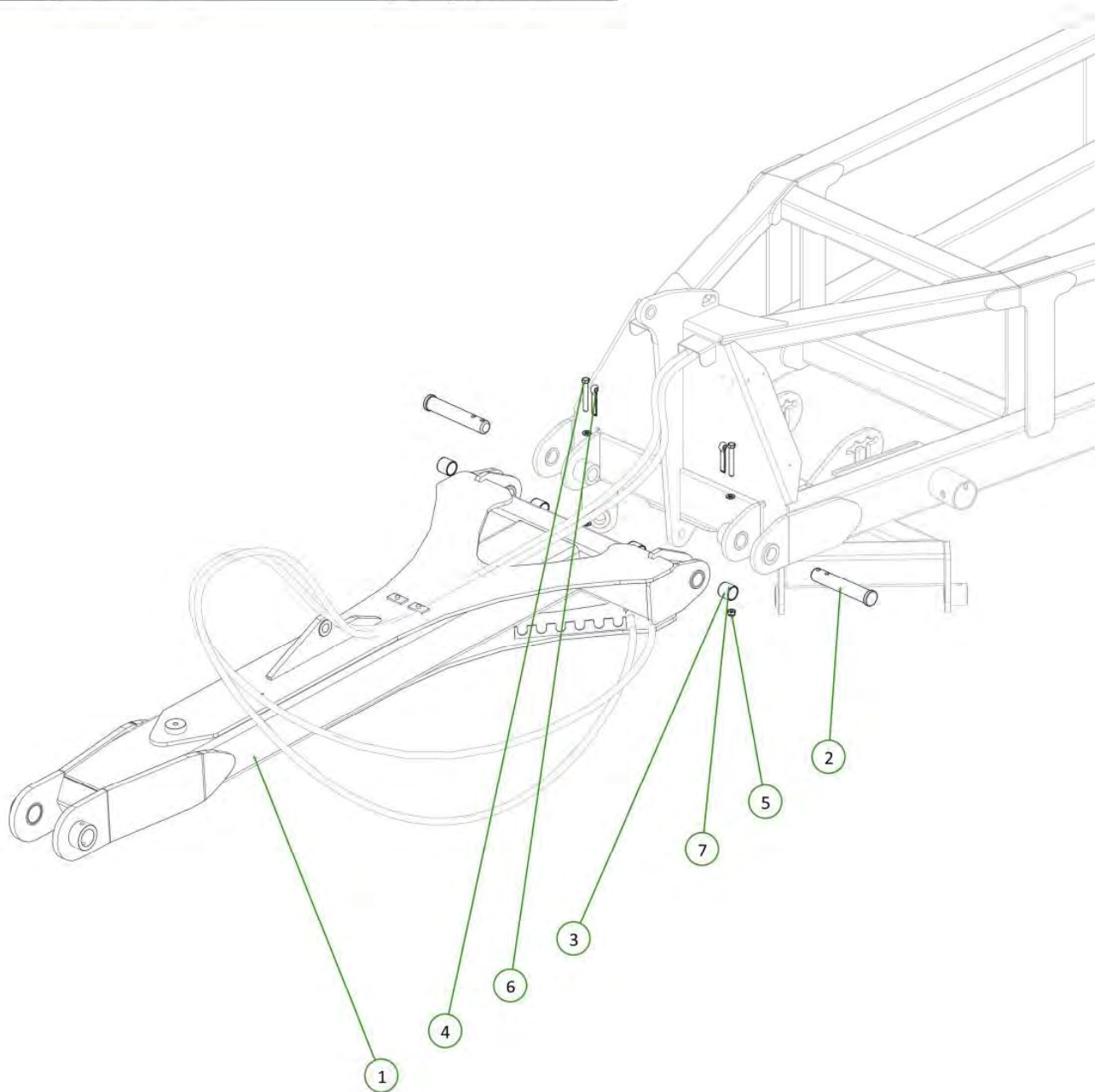


| Item No. | Description | Qty | Number |
|----------|---|-----|----------------------------|
| 1 | 400/55-22.5 Tyre on 8 on 275mm PCD Zero Offset Rim (Left Hand) | 2 | 0751-400-55-22.5-8-275-0-L |
| 2 | 400/55-22.5 Tyre on 8 on 275mm PCD Zero Offset Rim (Right Hand) | 2 | 0751-400-55-22.5-8-275-0-R |

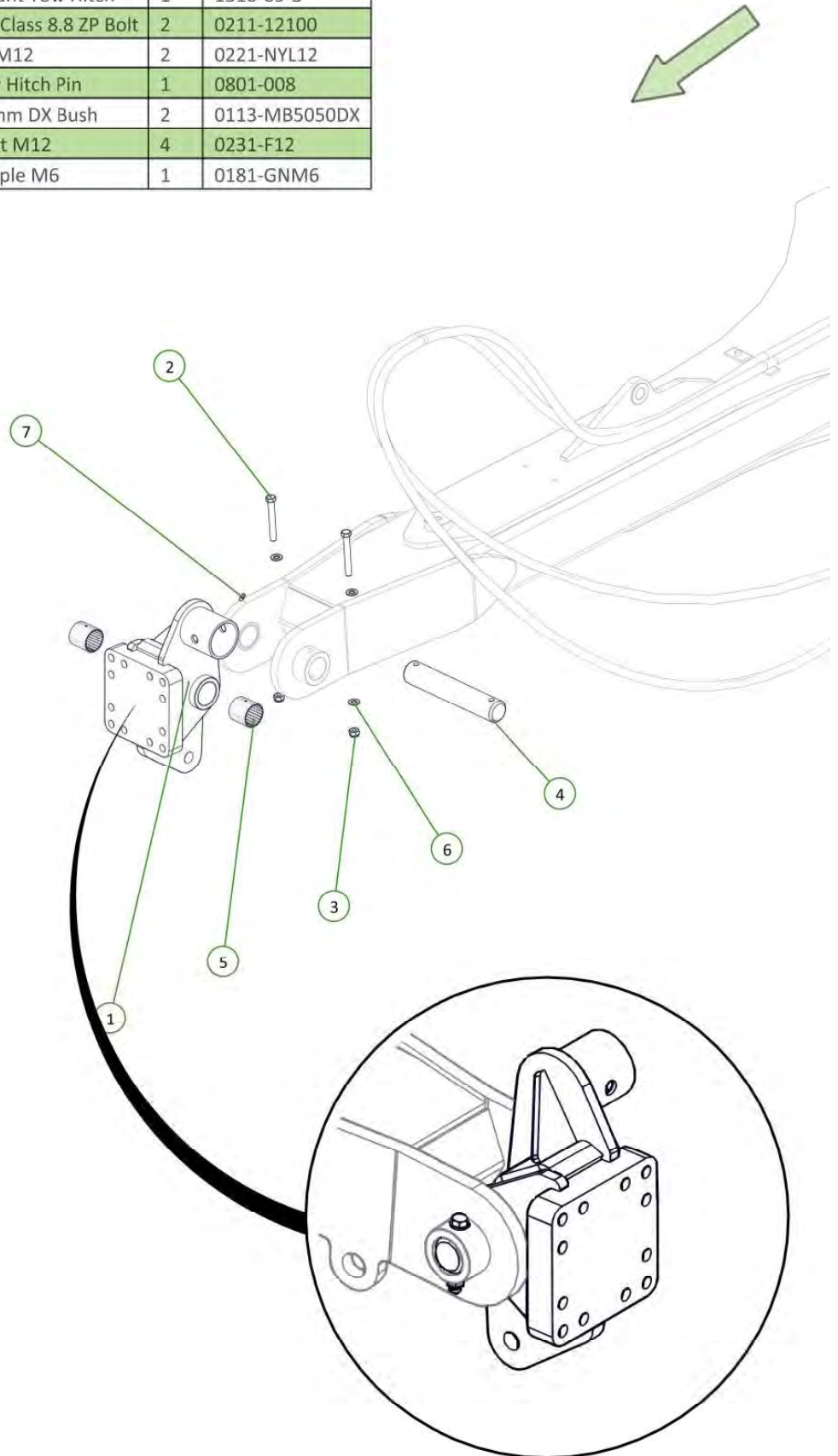


All wheel nuts tightened to 100ft-lb / 140Nm

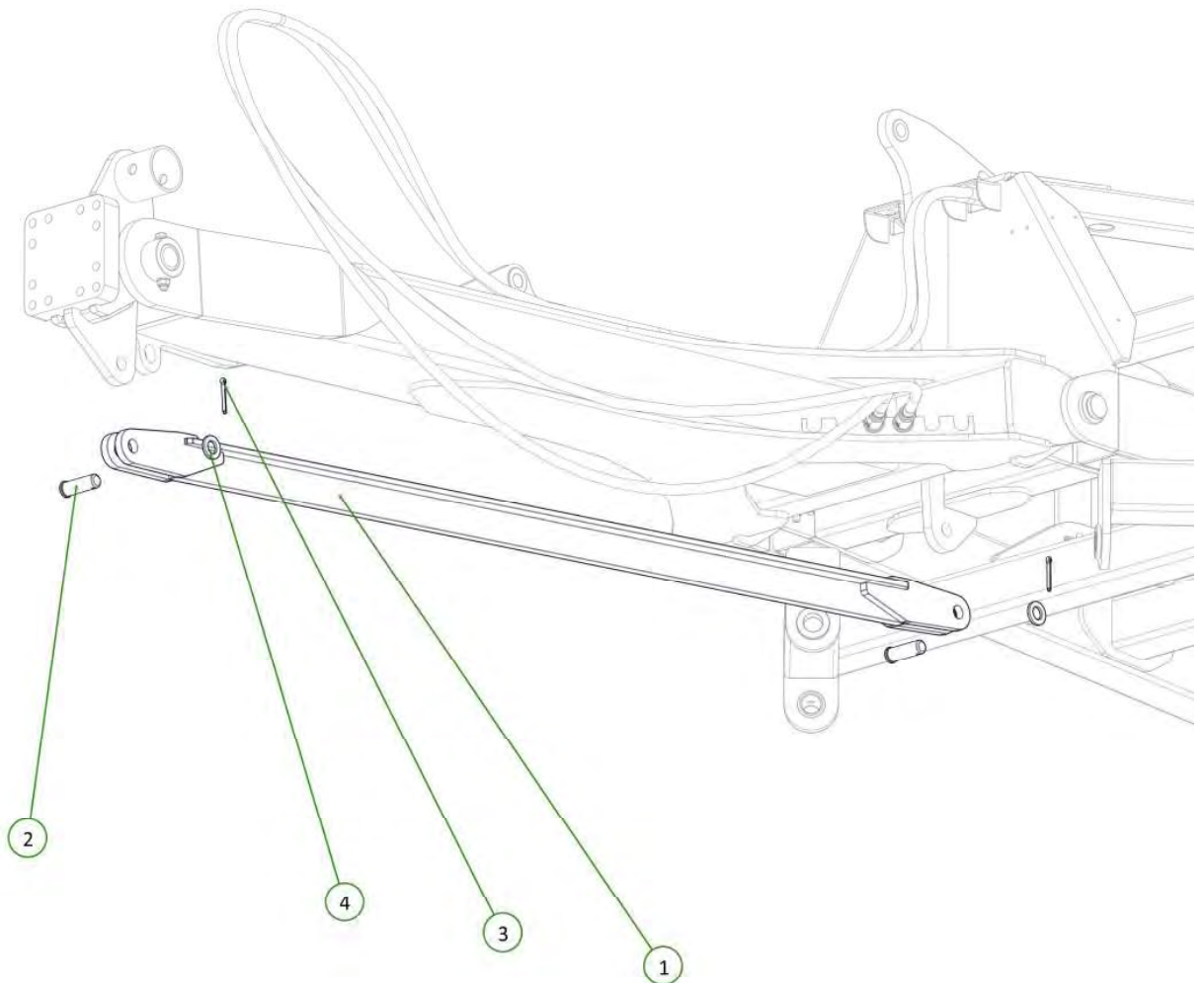
| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|---------------|
| 1 | Drawbar - 50mm Hitch Pin Europe | 1 | 0810-65E |
| 2 | Walking Axle Linkage Pivot Pin | 2 | 1601-P38-220 |
| 3 | Drawbar Pivot Bush | 4 | 0801-B423838 |
| 4 | M12 x 90 Class 10.9 ZP Bolt | 2 | 0211-1290HT |
| 5 | Nyloc Nut M12 | 2 | 0221-NYL12 |
| 6 | Cotter Pin M13 x 63 | 2 | 0261-PINC1363 |
| 7 | Washer Flat M12 | 4 | 0231-F12 |



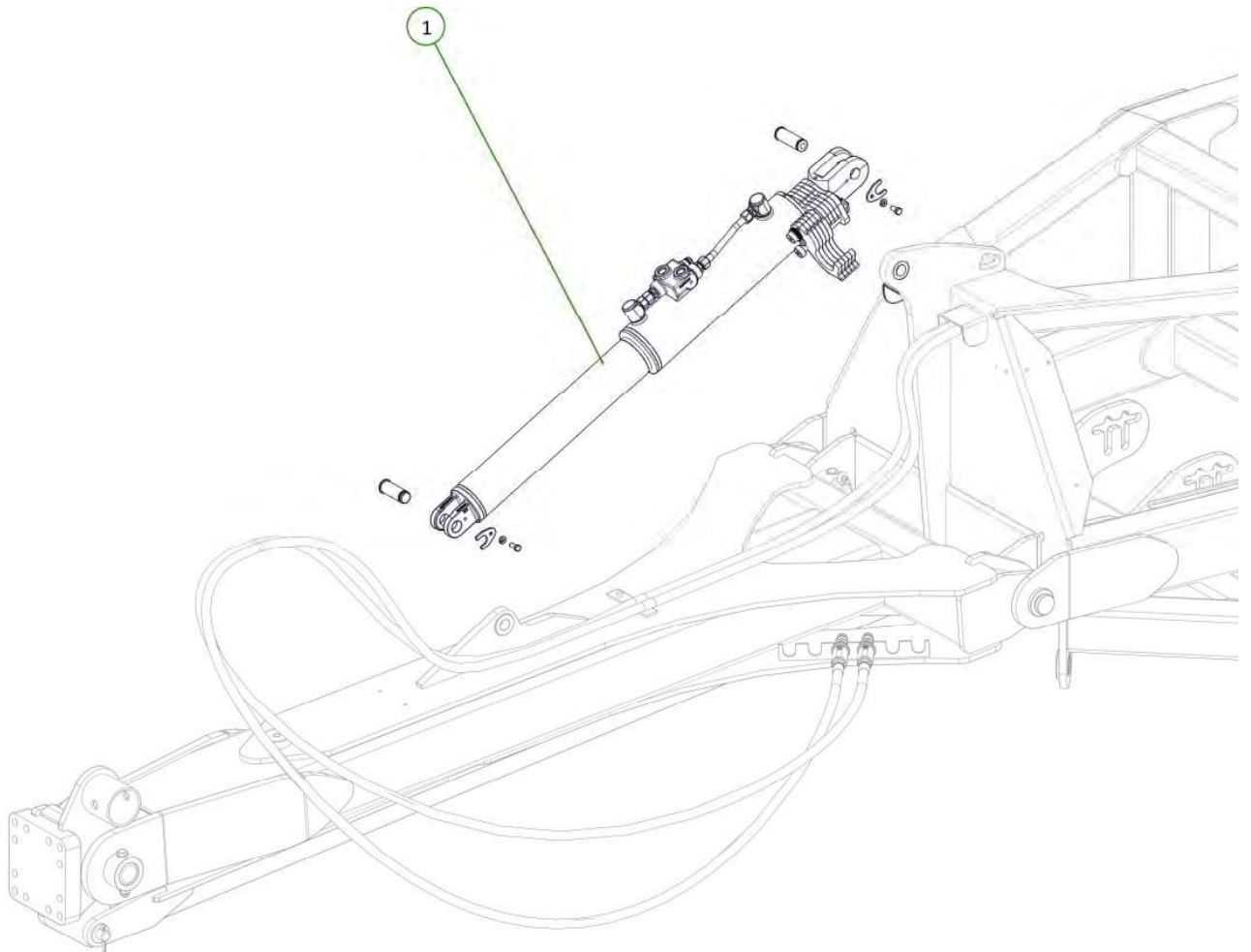
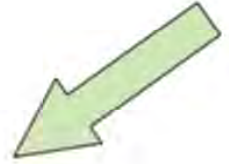
| Item No. | Description | Qty | Number |
|----------|-----------------------------|-----|---------------|
| 1 | Flange Mount Tow Hitch | 1 | 1510-09-3 |
| 2 | M12 x 100 Class 8.8 ZP Bolt | 2 | 0211-12100 |
| 3 | Nyloc Nut M12 | 2 | 0221-NYL12 |
| 4 | 50mm Tow Hitch Pin | 1 | 0801-008 |
| 5 | 50 ID x 50mm DX Bush | 2 | 0113-MB5050DX |
| 6 | Washer Flat M12 | 4 | 0231-F12 |
| 7 | Grease Nipple M6 | 1 | 0181-GNM6 |



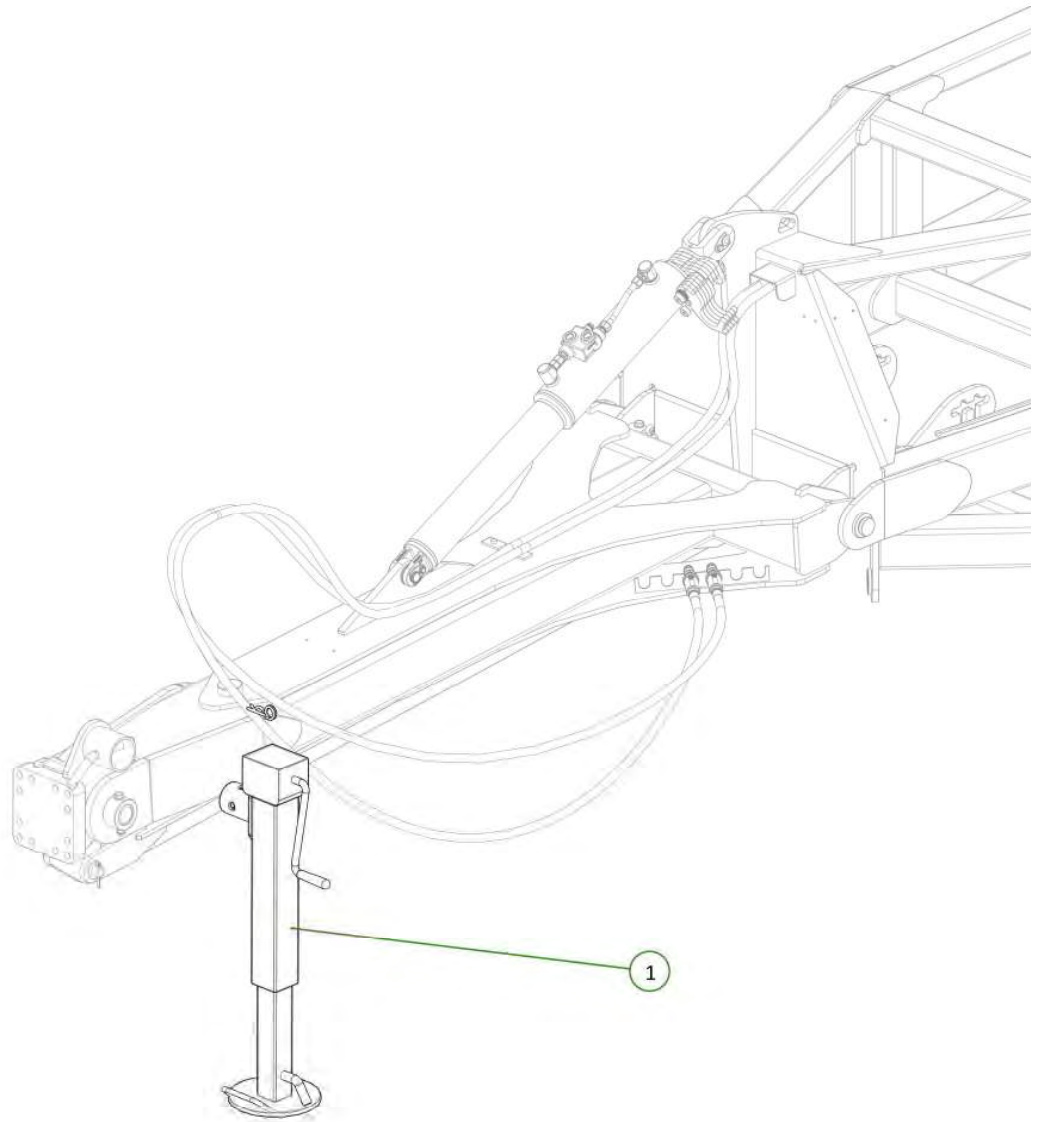
| Item No. | Description | Qty | Number |
|----------|------------------------|-----|---------------|
| 1 | Parallel Arm | 1 | 0810-58E |
| 2 | Clevis Pin 25mm x 75mm | 2 | 0801-KE0307-1 |
| 3 | Cotter Pin M6 x 50mm | 2 | 0261-PINC650 |
| 4 | Washer Flat M24 | 2 | 0231-F24 |



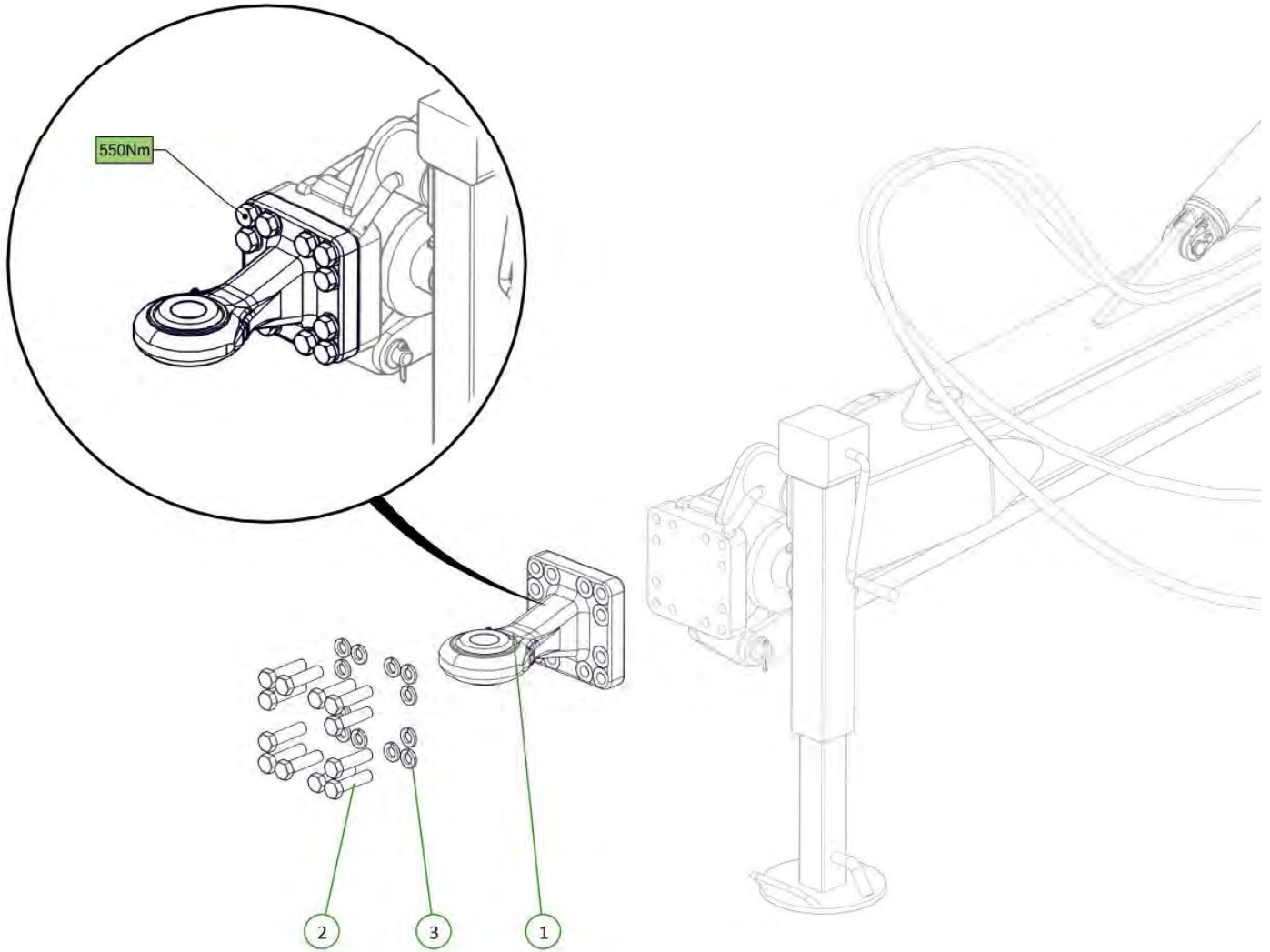
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 4" Bore 12" Stroke 2" Rod Extended Hydraulic Cylinder | 1 | 0311-412EXT-2 |



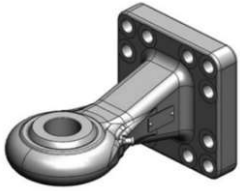
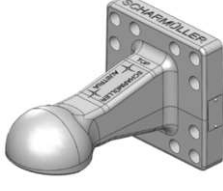




| Item No. | Description | Qty | Number |
|----------|------------------|-----|-----------|
| 1 | Jack Assembly EU | 1 | 0810-31AE |



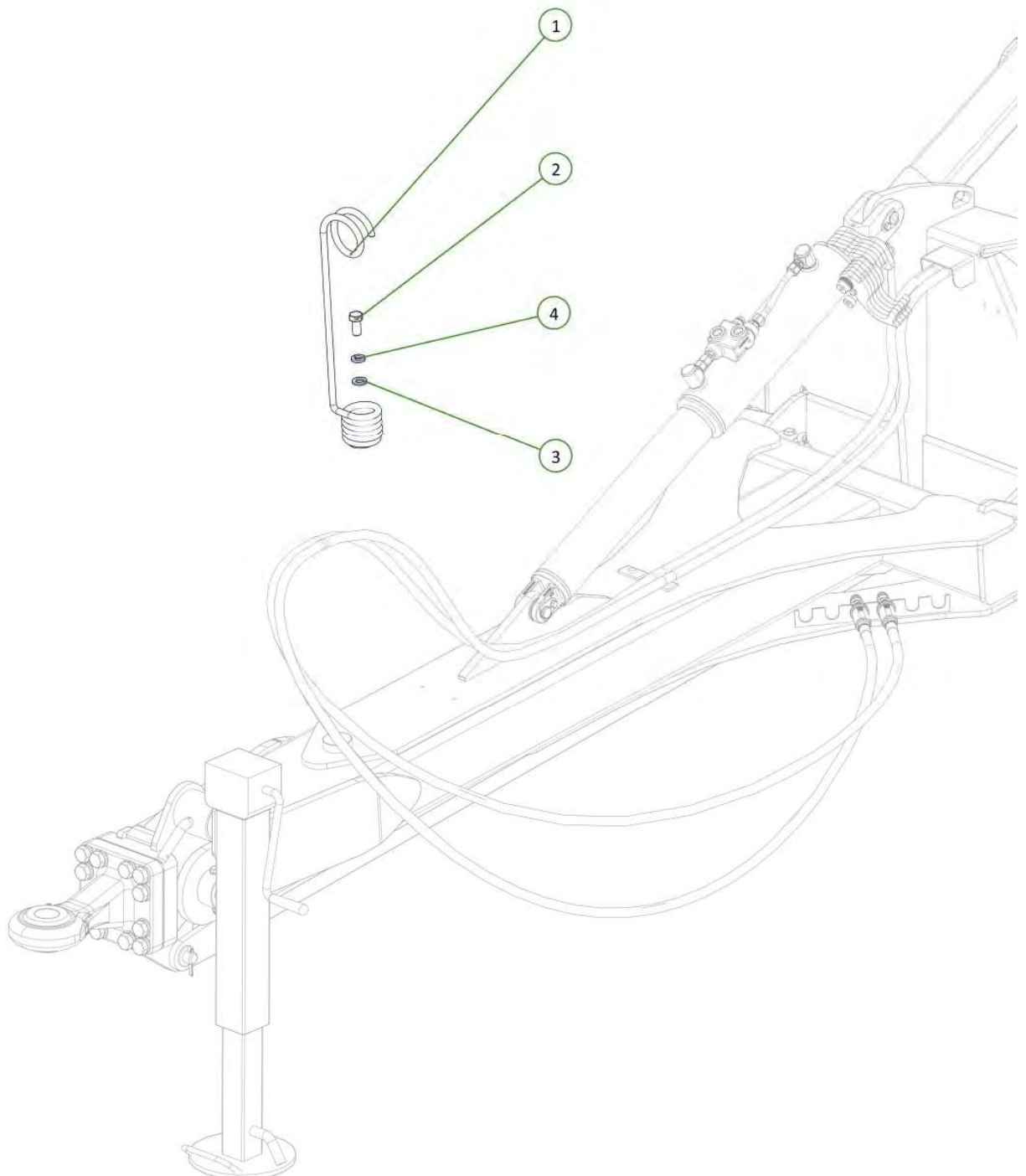
| Item No. | Description | Qty | Number |
|----------|--|-----|----------------------|
| 1 | Ball Joint Towing Eye, with flange CAT 4 Scharmüller | 1 | 0801-00.665.17.1-A02 |
| 2 | M20 x 80 Class 10,9 ZP Bolt | 12 | 0211-2080HT |
| 3 | Washer Spring M20 | 12 | 0231-S20 |

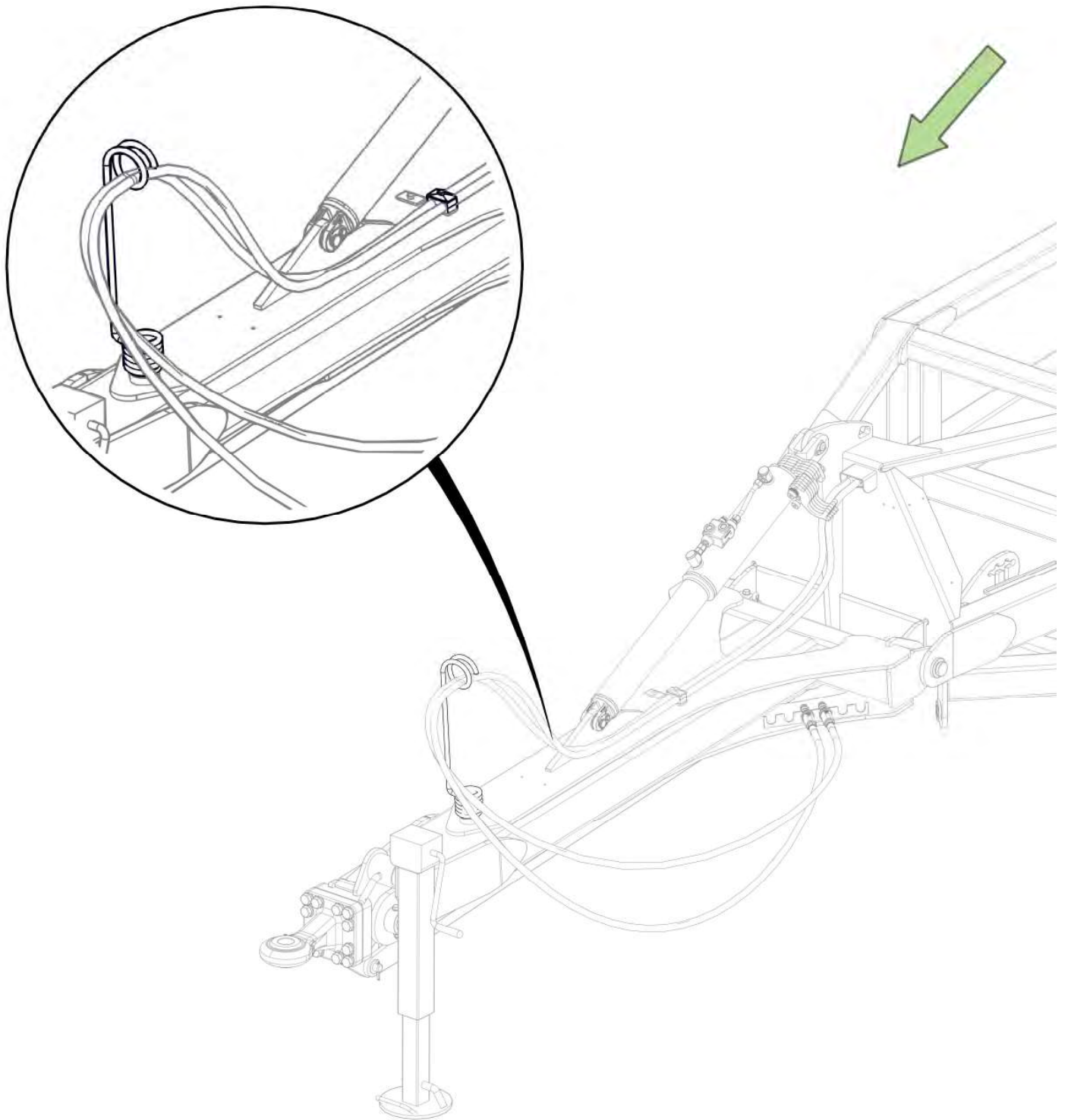


| | | |
|---|--|---|
| <p>0801-00.665.15.0-A02 Ball Joint Towing Eye, with flange CAT 2 Scharmüller</p> | <p>Flange Hole Pattern (mm): 160x160 Connection: Ball Joint Towing Eye Cat. 2 DØ33mm Thread: M20 Hole Pattern Holes: 12 Working Length (mm): 250 Max. Permissible D-Value (kN): 120 Max. Permissible Vertical Load (kg): 3000</p> |  |
| <p>0801-00.665.16.0-A02 Ball Joint Towing Eye, with flange CAT 3 Scharmüller</p> | <p>Flange Hole Pattern (mm): 160x160 Connection: Ball Joint Towing Eye Cat. 3 DØ42mm Thread: M20 Hole Pattern Holes: 12 Working Length (mm): 250 Max. Permissible D-Value (kN): 120 Max. Permissible Vertical Load (kg): 3000</p> |  |
| <p>0801-00.665.17.1-A02 Ball Joint Towing Eye, with flange CAT 4 Scharmüller</p> | <p>Flange Hole Pattern (mm): 160x160 Connection: Ball Joint Towing Eye Cat 4 DØ51mm Thread: M20 Hole Pattern Holes: 12 Working Length (mm): 246 Max. Permissible D-Value (kN): 120,2 Max. Permissible Vertical Load (kg): 3000</p> |  |
| <p>0801-00.665.901.0-A02 K80 Ball Coupling System, with flange Scharmüller</p> | <p>Flange Hole Pattern (mm): 160x160 Connection: K80® Towing Eye Ball Coupling System Thread: M20 Hole Pattern Holes: 12 Working Length (mm): 250 Max. Permissible D-Value (kN): 120 Max. Permissible Vertical Load (kg): 4000</p> |  |
| <p>1510-54A 2 Point Hitch CAT 3</p> | <p>Flange Hole Pattern (mm): 160x160 Connection: Thread: M20 Hole Pattern Holes: 12 Working Length (mm): 285</p> |  |
| <p>1510-55A 2 Point Hitch CAT 4</p> | <p>Flange Hole Pattern (mm): 160x160 Connection: Thread: M20 Hole Pattern Holes: 12 Working Length (mm): 276</p> |  |

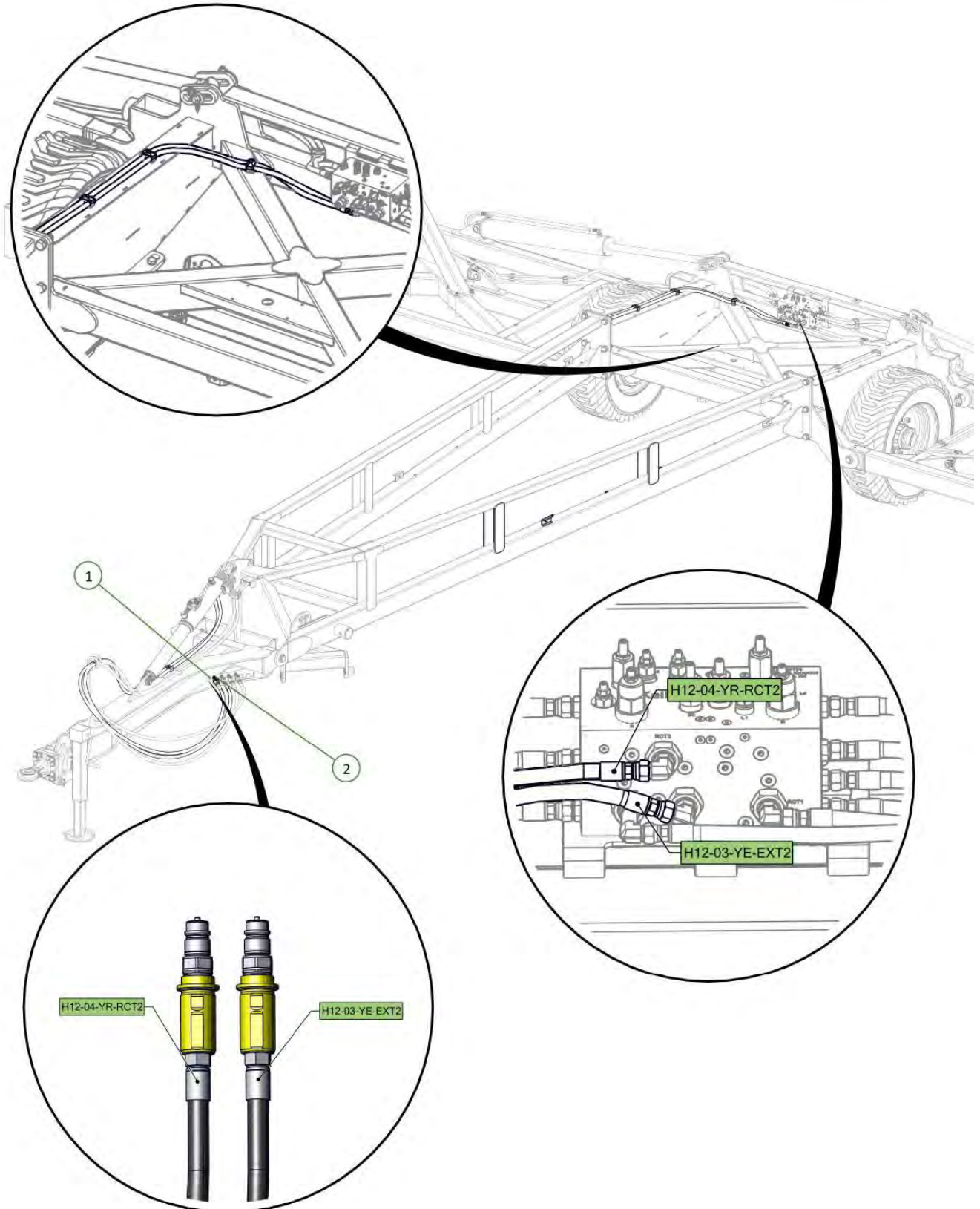


| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------------|
| 1 | Hose Post Spring | 1 | 1601-CDB-00-0012 |
| 2 | M16 x 35 Class 8.8 ZP Bolt | 1 | 0211-1635 |
| 3 | Washer Flat M16 | 1 | 0231-F16 |
| 4 | Washer Spring M16 | 1 | 0231-S16 |

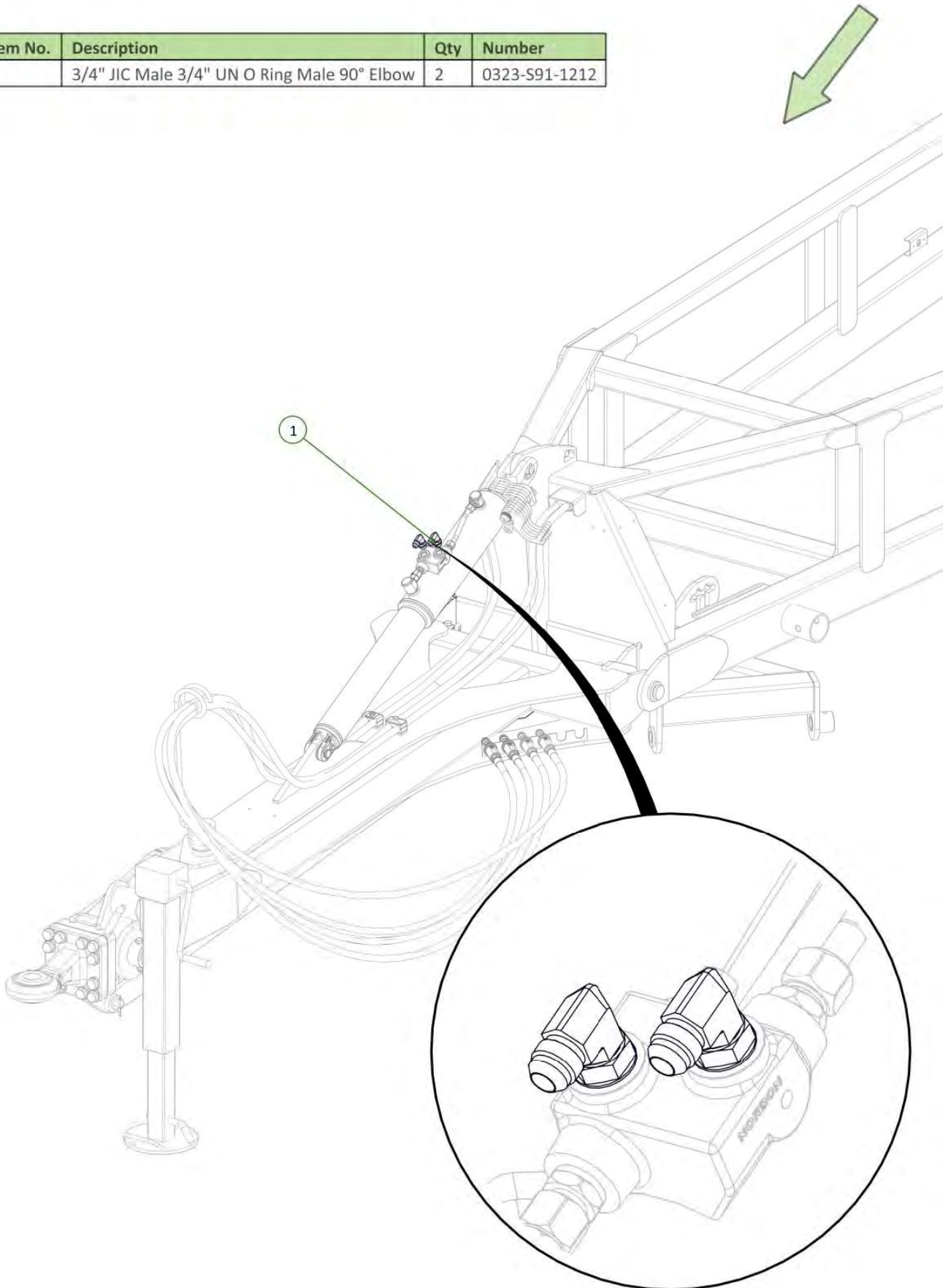




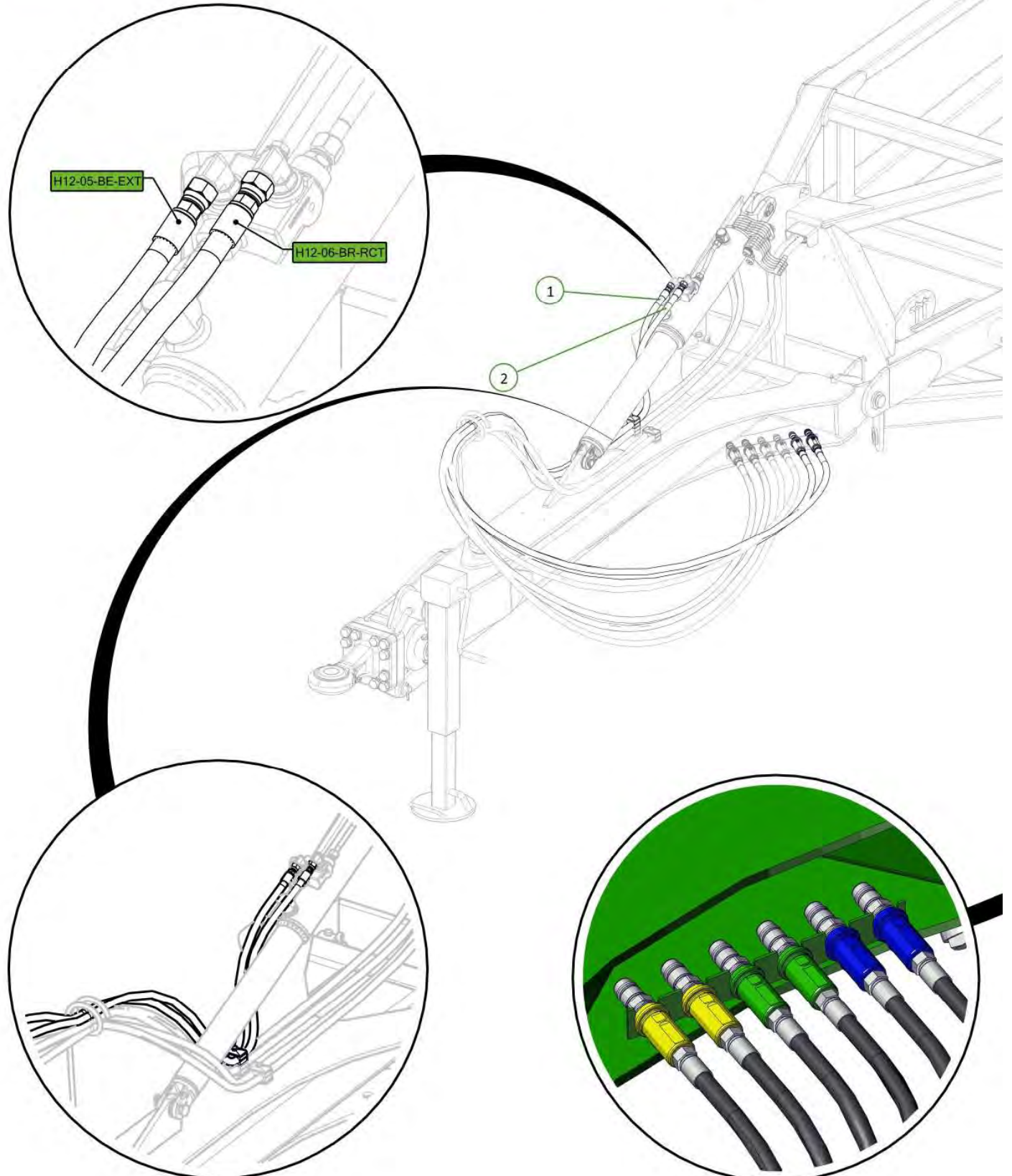
| Item No. | Description | Qty | Number |
|----------|--|-----|----------------|
| 1 | Tractor to Sequence Valve EXT2 Port Fitted With Yellow EXT Decal | 1 | H12-03-YE-EXT2 |
| 2 | Tractor to Sequence Valve RTC2 Port Fitted With Yellow RTC Decal | 1 | H12-04-YR-RCT2 |



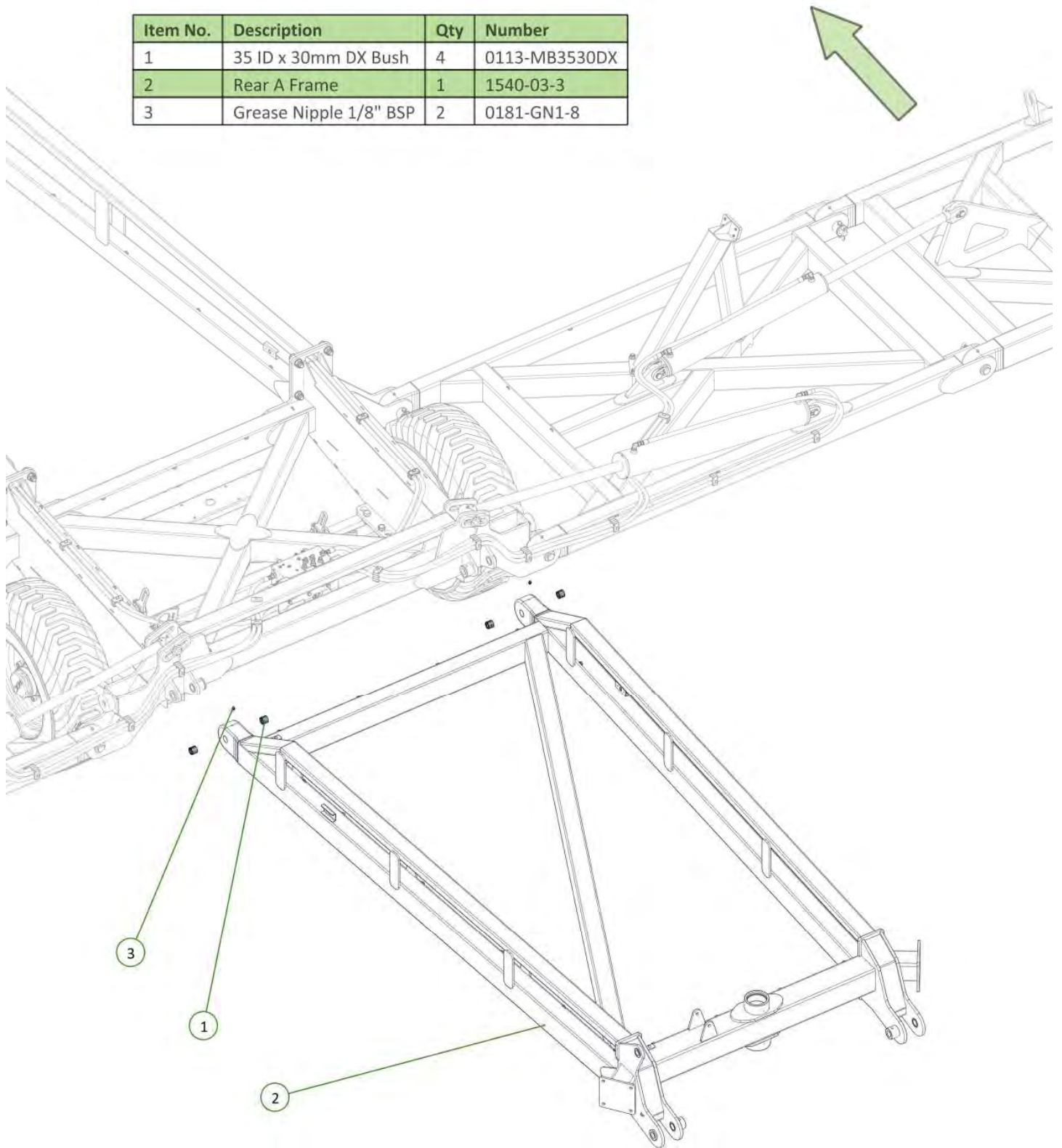
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2 | 0323-S91-1212 |



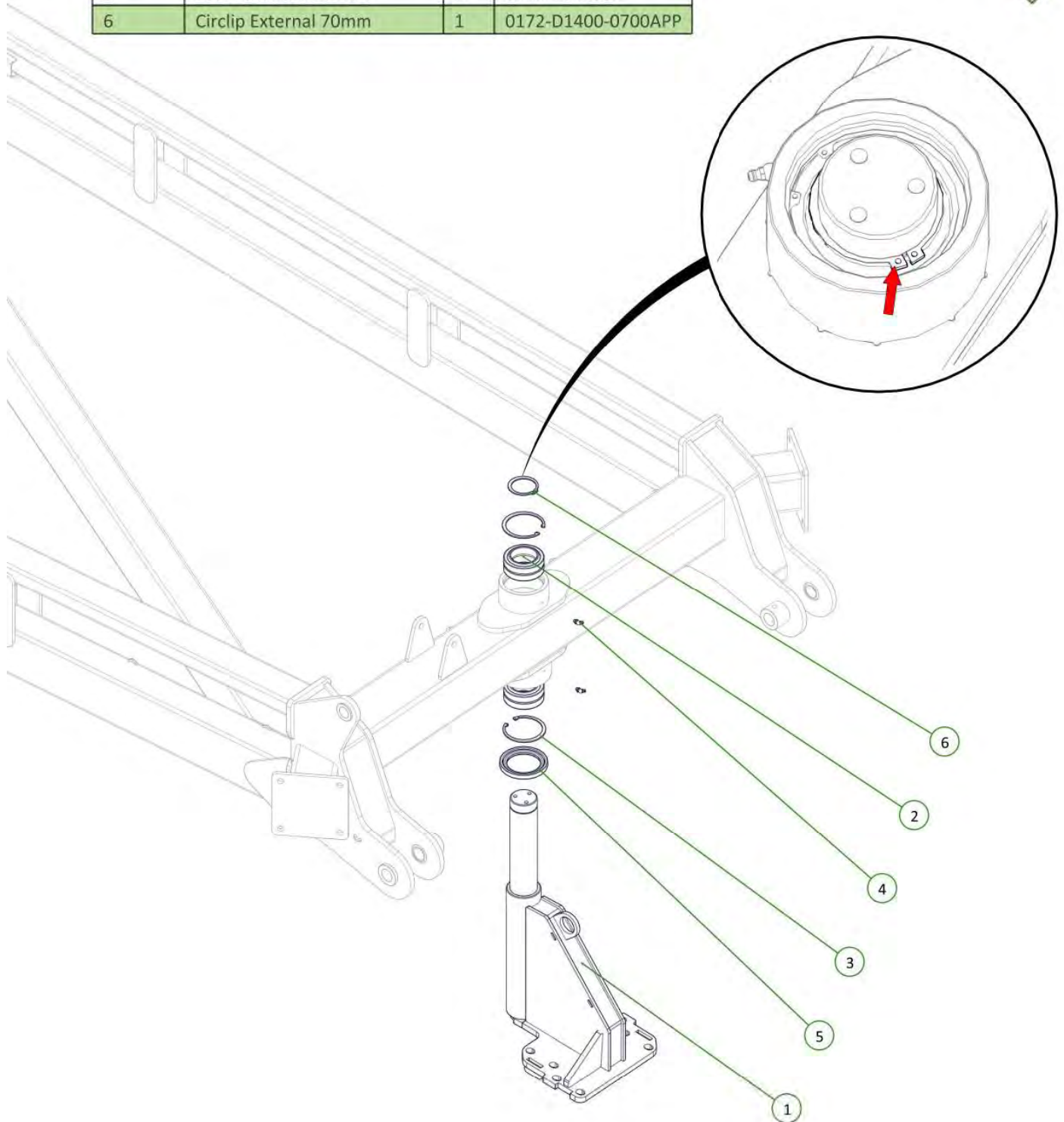
| Item No. | Description | Qty | Number |
|----------|--|-----|---------------|
| 1 | Tractor to Front Lift Cylinder Extend Port Fitted With Blue EXT Grip | 1 | H12-05-BE-EXT |
| 2 | Tractor to Front Lift Cylinder Extend Port Fitted With Blue RTC Grip | 1 | H12-06-BR-RCT |



| Item No. | Description | Qty | Number |
|----------|------------------------|-----|---------------|
| 1 | 35 ID x 30mm DX Bush | 4 | 0113-MB3530DX |
| 2 | Rear A Frame | 1 | 1540-03-3 |
| 3 | Grease Nipple 1/8" BSP | 2 | 0181-GN1-8 |



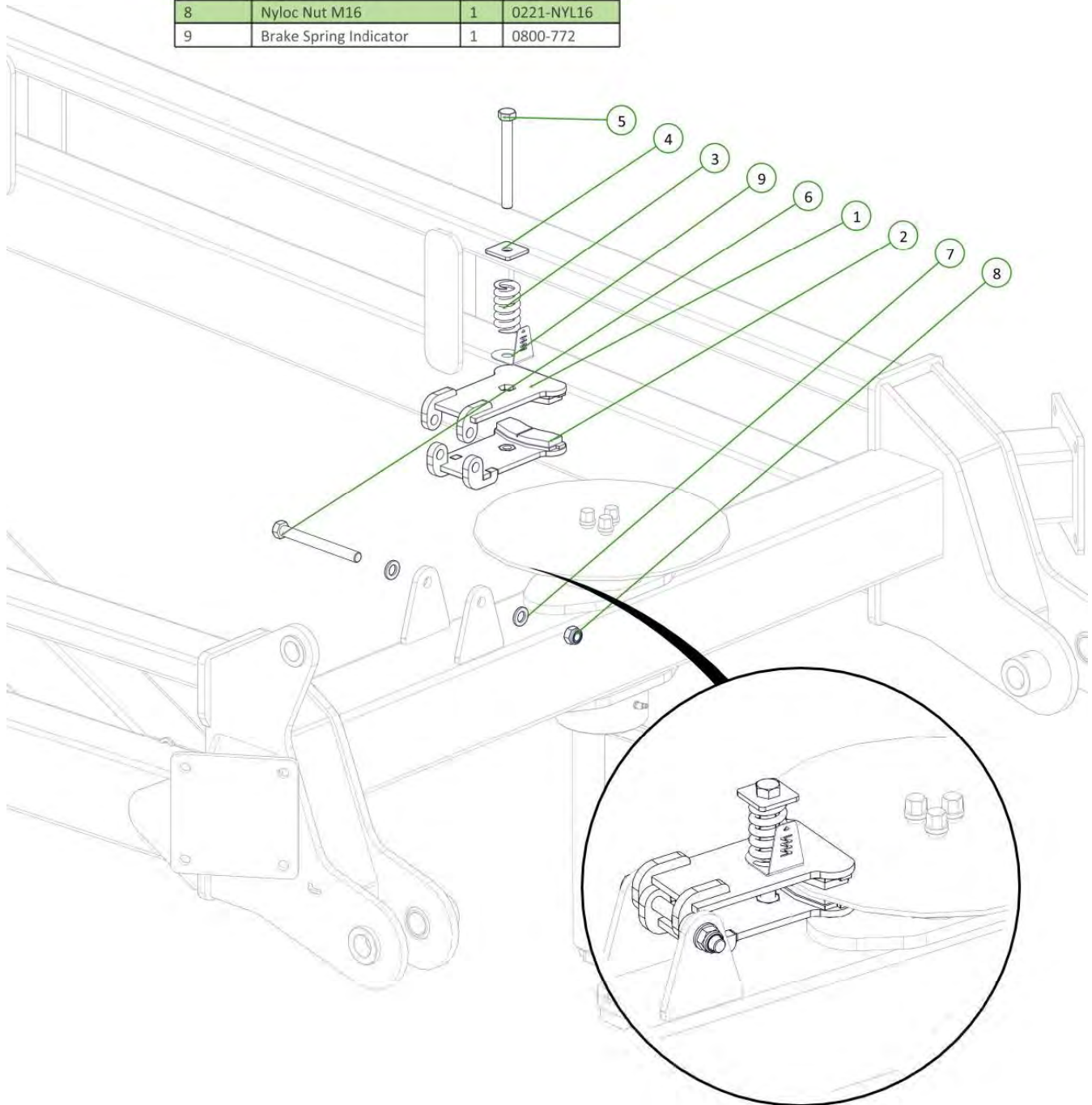
| | | | |
|---|------------------------------|---|--------------------|
| 1 | Jockey Wheel (Europe) | 1 | 1610-12-70E |
| 2 | Plain Spherical Bearing 70mm | 2 | 0113-GE70DO-2RS |
| 3 | Circlip Internal 105mm | 2 | 0171-J105 |
| 4 | Grease Nipple 1/4" UNF 45° | 2 | 0181-GN1/445 |
| 5 | Seal 70 x 100 x 10mm | 1 | 0121-TC12681 |
| 6 | Circlip External 70mm | 1 | 0172-D1400-0700APP |




Circlip fitted to Jockey Wheel shaft 

Signed _____ Date ___/___/___
Unit Serial Number _____

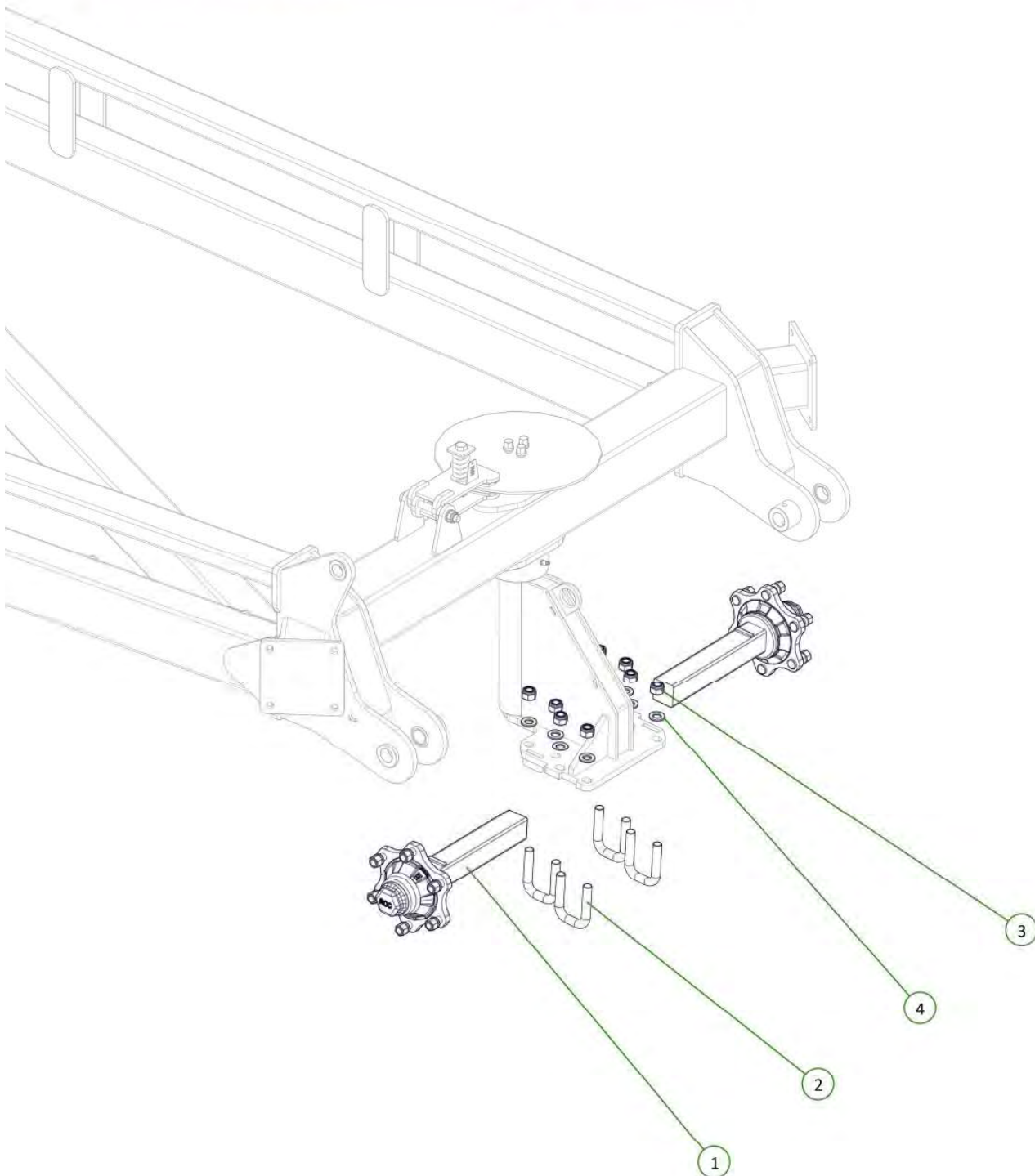
| Item No. | Description | Qty | Number |
|----------|-----------------------------|-----|--------------|
| 1 | Brake Caliper Part 1 | 1 | 0810-12.1 |
| 2 | Brake Caliper Part 2 | 1 | 0810-12.2 |
| 3 | Brake Compression Spring | 1 | 0801-KE009 |
| 4 | Washer Square M16 x 50 x 5 | 1 | 0231-SQ16505 |
| 5 | M16 x 150 Class 8.8 ZP Bolt | 1 | 0211-16150 |
| 6 | M16 x 160 Class 8.8 ZP Bolt | 1 | 0211-16160 |
| 7 | Washer Flat M16 | 2 | 0231-F16 |
| 8 | Nyloc Nut M16 | 1 | 0221-NYL16 |
| 9 | Brake Spring Indicator | 1 | 0800-772 |



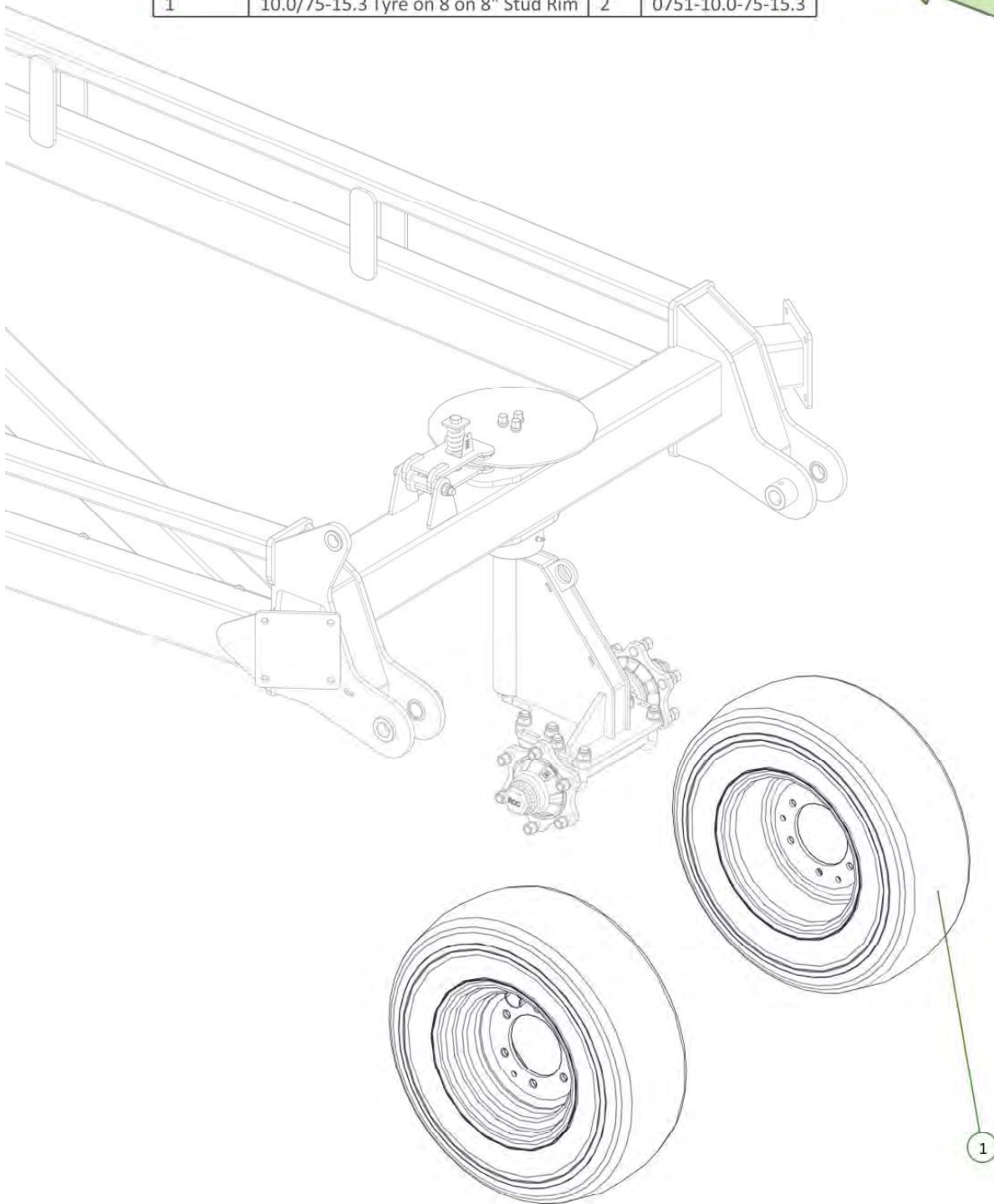
Check tension of brake calliper spring (50-63mm road transport) 

Signed _____ Date __/__/__
Unit Serial Number _____

| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|---------------|
| 1 | Monroc 606XR Stub Axle (VAR) | 2 | 0733-606XRVAR |
| 2 | U-Bolt M20 x 105 Deep x 62 Wide | 4 | 0271-2010562 |
| 3 | Nyloc Nut M20 | 8 | 0221-NYL20 |
| 4 | Washer Flat M20 | 8 | 0231-F20 |

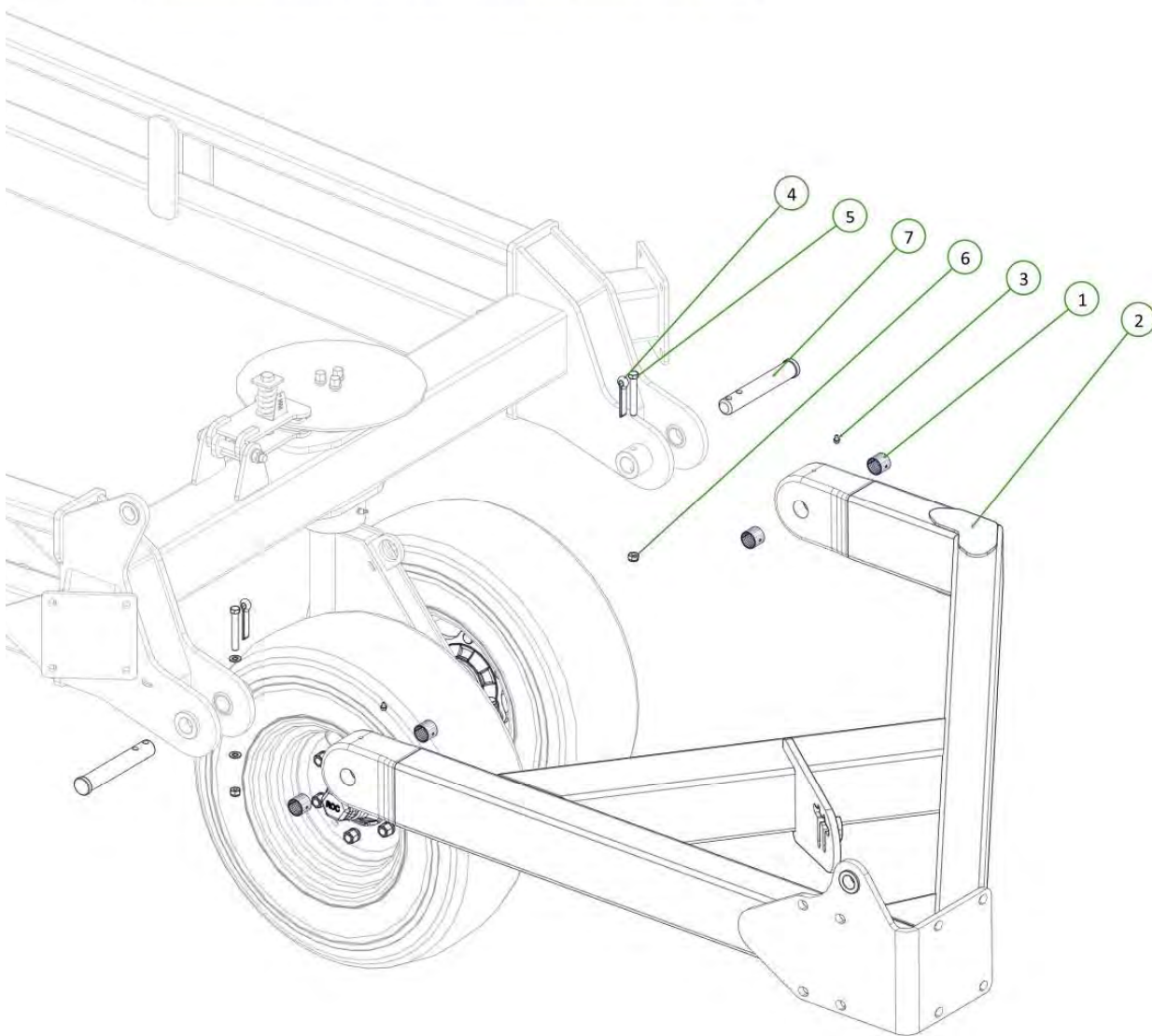


| Item No. | Description | Qty | Number |
|----------|---------------------------------------|-----|-------------------|
| 1 | 10.0/75-15.3 Tyre on 8 on 8" Stud Rim | 2 | 0751-10.0-75-15.3 |

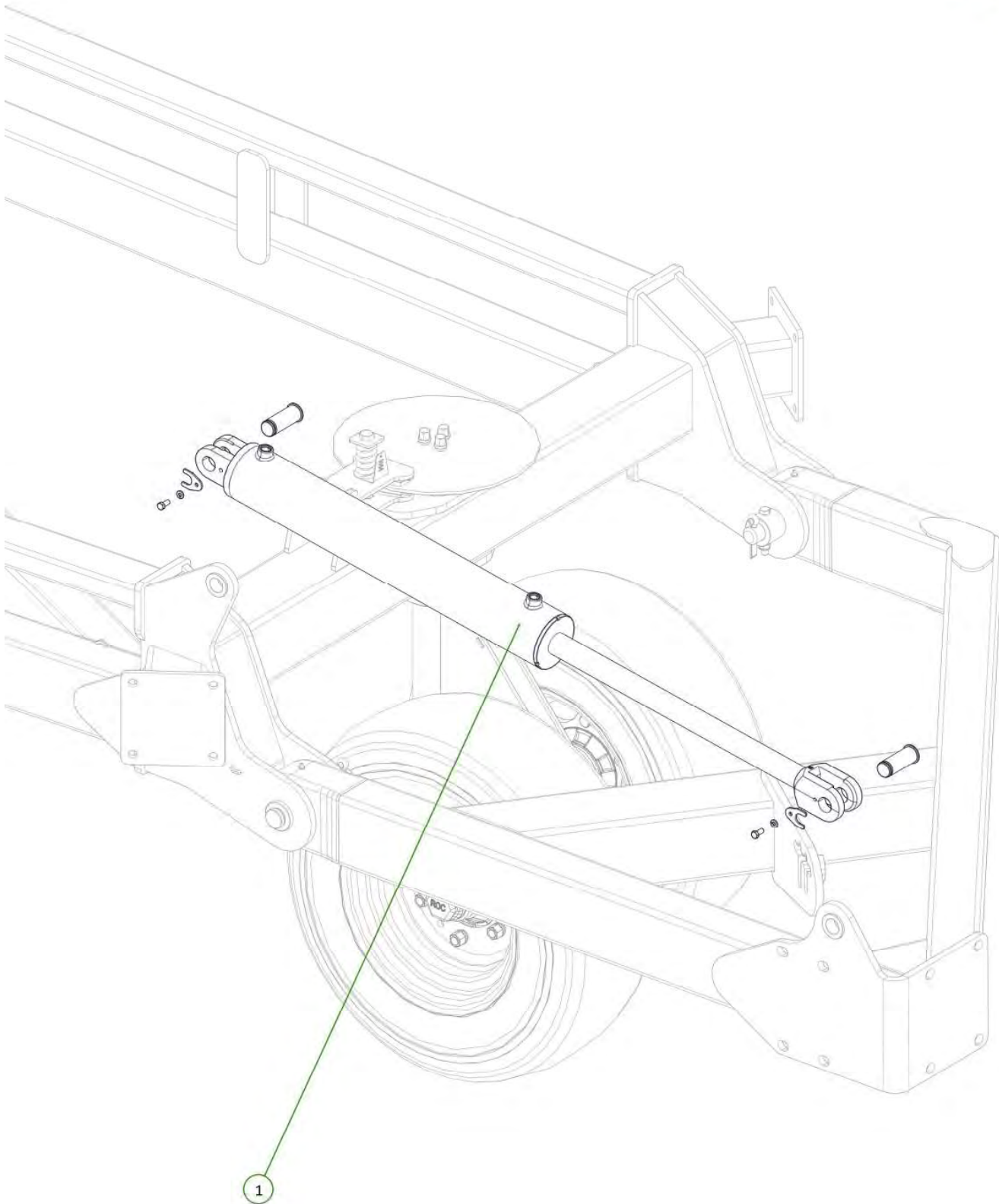


All wheel nuts tightened to 125Nm

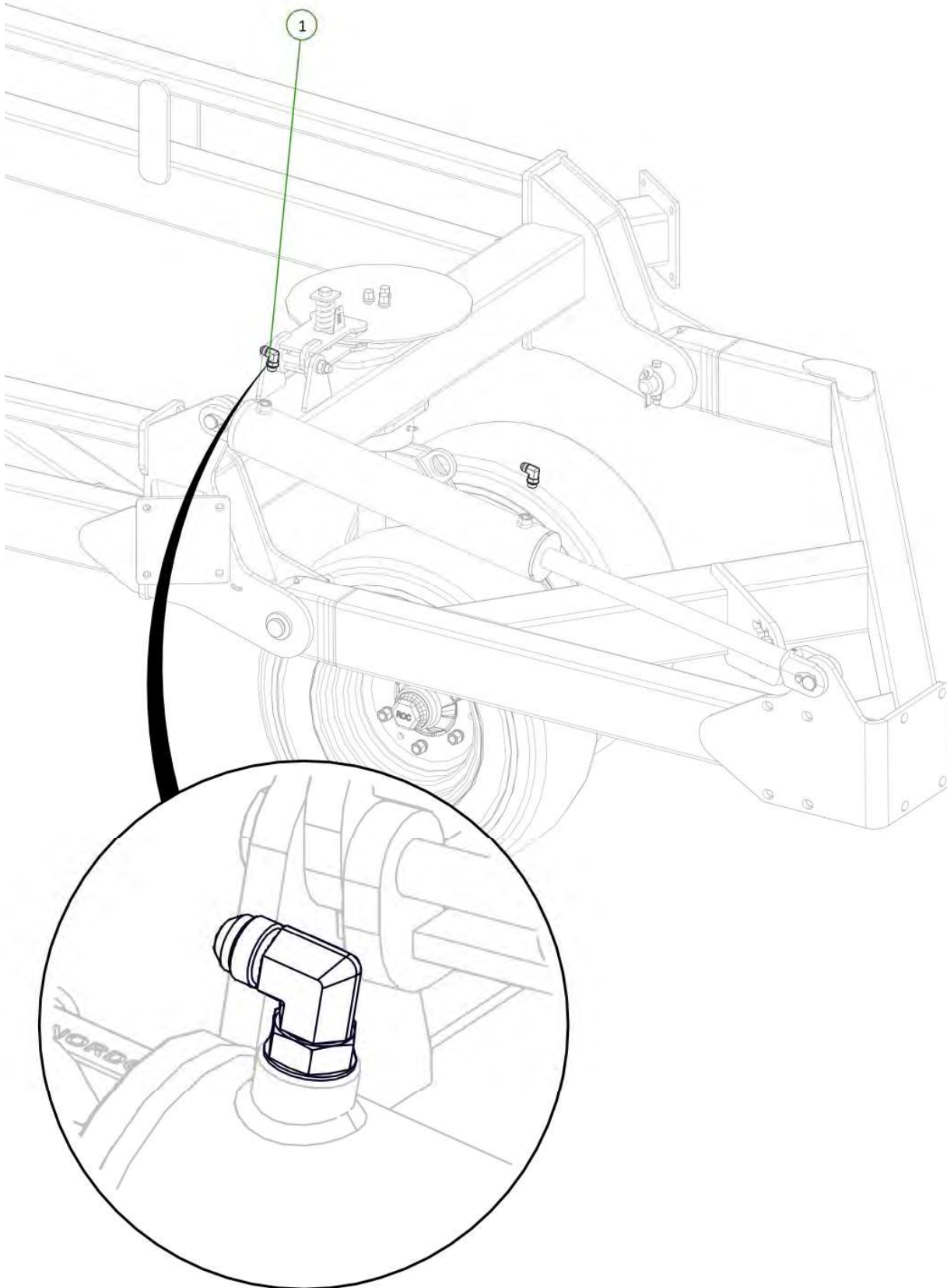
| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|----------------|
| 1 | 35 ID x 30mm DX Bush | 4 | 0113-MB3530DX |
| 2 | Rear Tail | 1 | 1510-40S-2 |
| 3 | Grease Nipple 1/8" BSP | 2 | 0181-GN1-8 |
| 4 | Cotter Pin M13 x 63 | 2 | 0261-PINC1363 |
| 5 | M12 x 80 Class 8.8 ZP Bolt | 2 | 0211-1280 |
| 6 | Nyloc Nut M12 | 2 | 0221-NYL12 |
| 7 | PCH Wing Pivot Pin | 2 | 0801-10-08-235 |



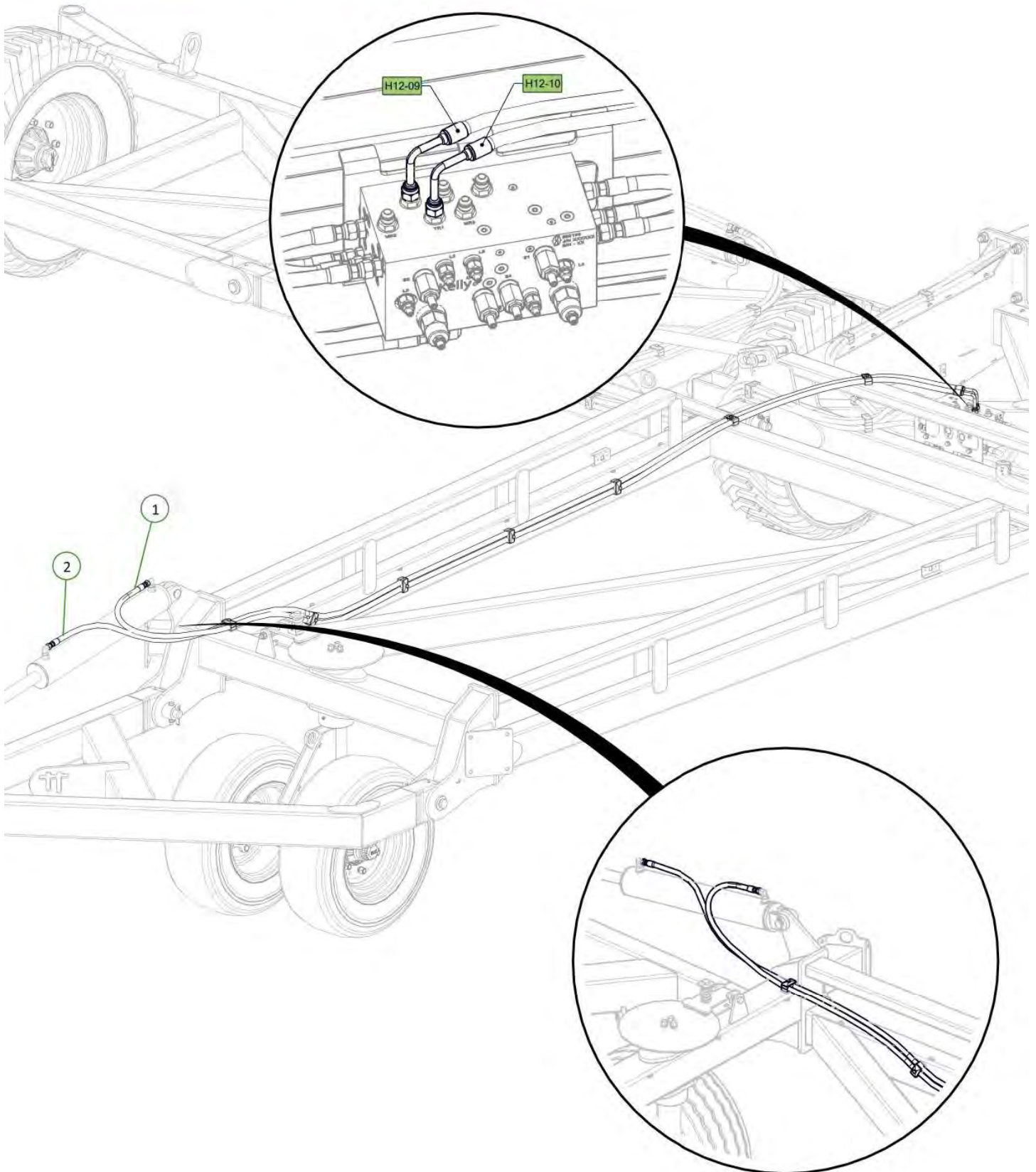
| Item No. | Description | Qty | Number |
|----------|---|-----|----------|
| 1 | 4" Bore 24" Stroke 1.75" Rod Hydraulic Cylinder | 1 | 0311-424 |



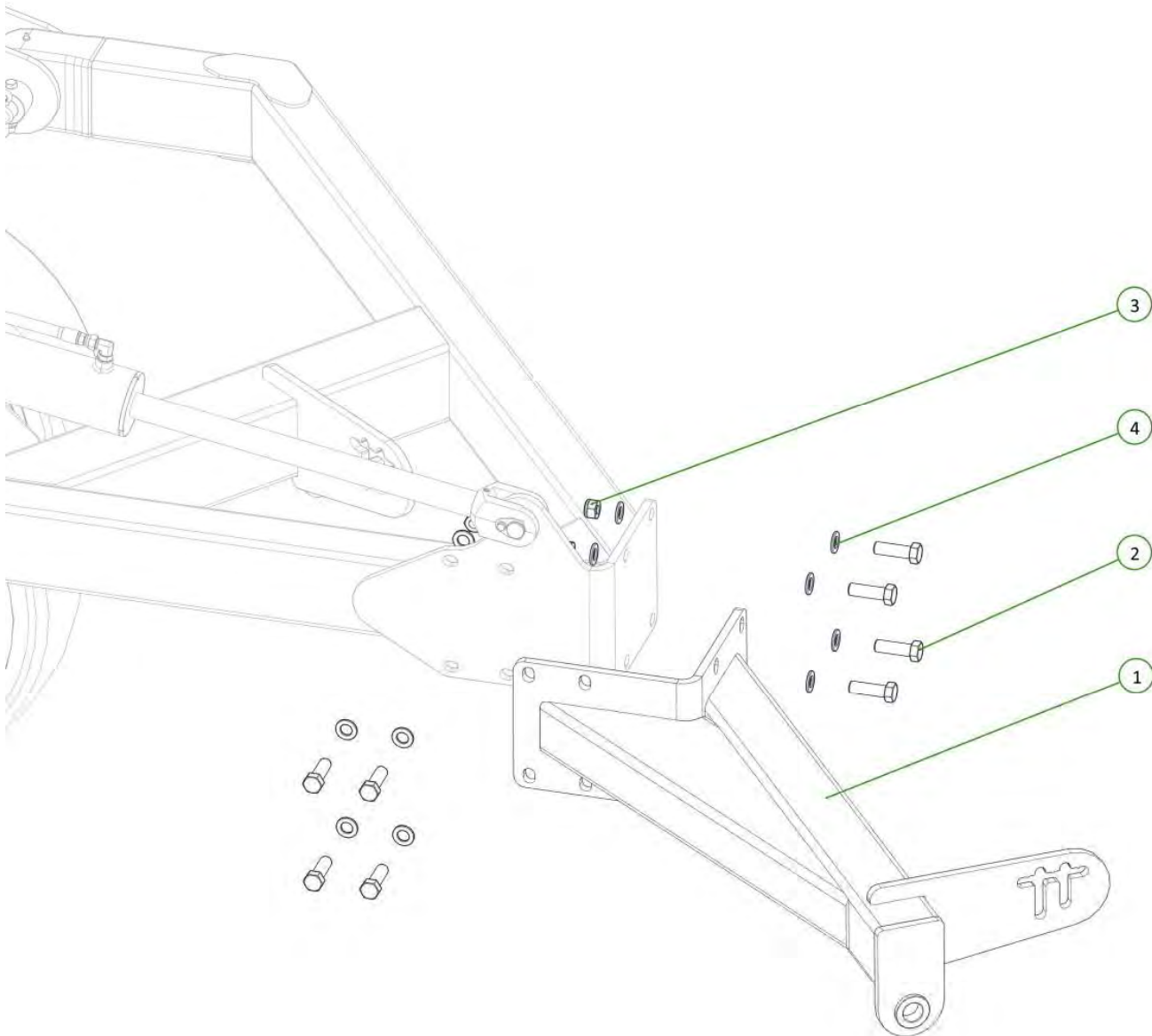
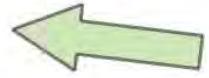
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2 | 0323-S91-1212 |



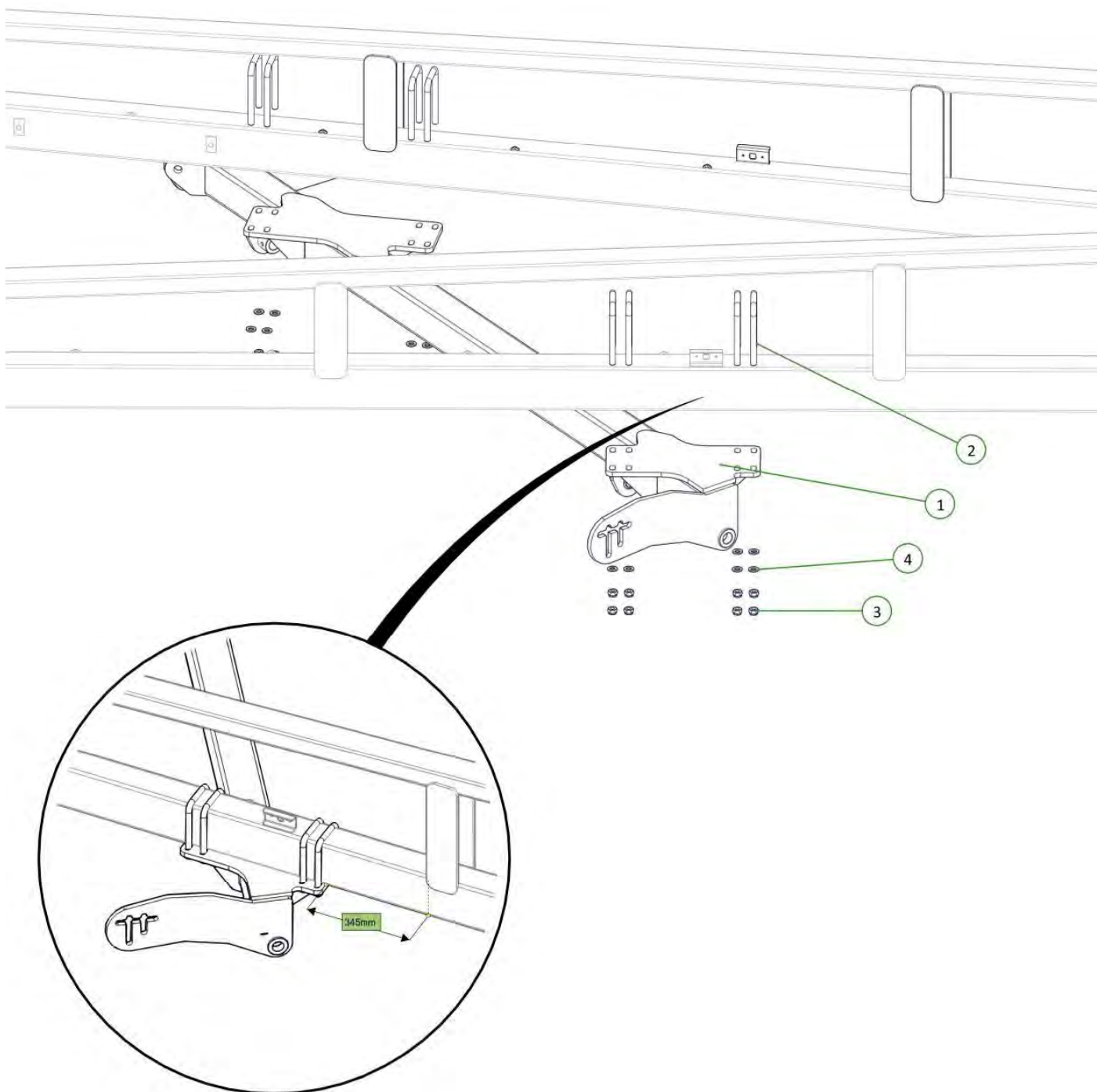
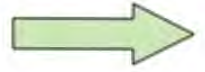
| Item No. | Description | Qty | Number |
|----------|---|-----|--------|
| 1 | TE1 Port to Tail Lift Cylinder Extend Port | 1 | H12-09 |
| 2 | TR1 Port to Tail Lift Cylinder Retract Port | 1 | H12-10 |



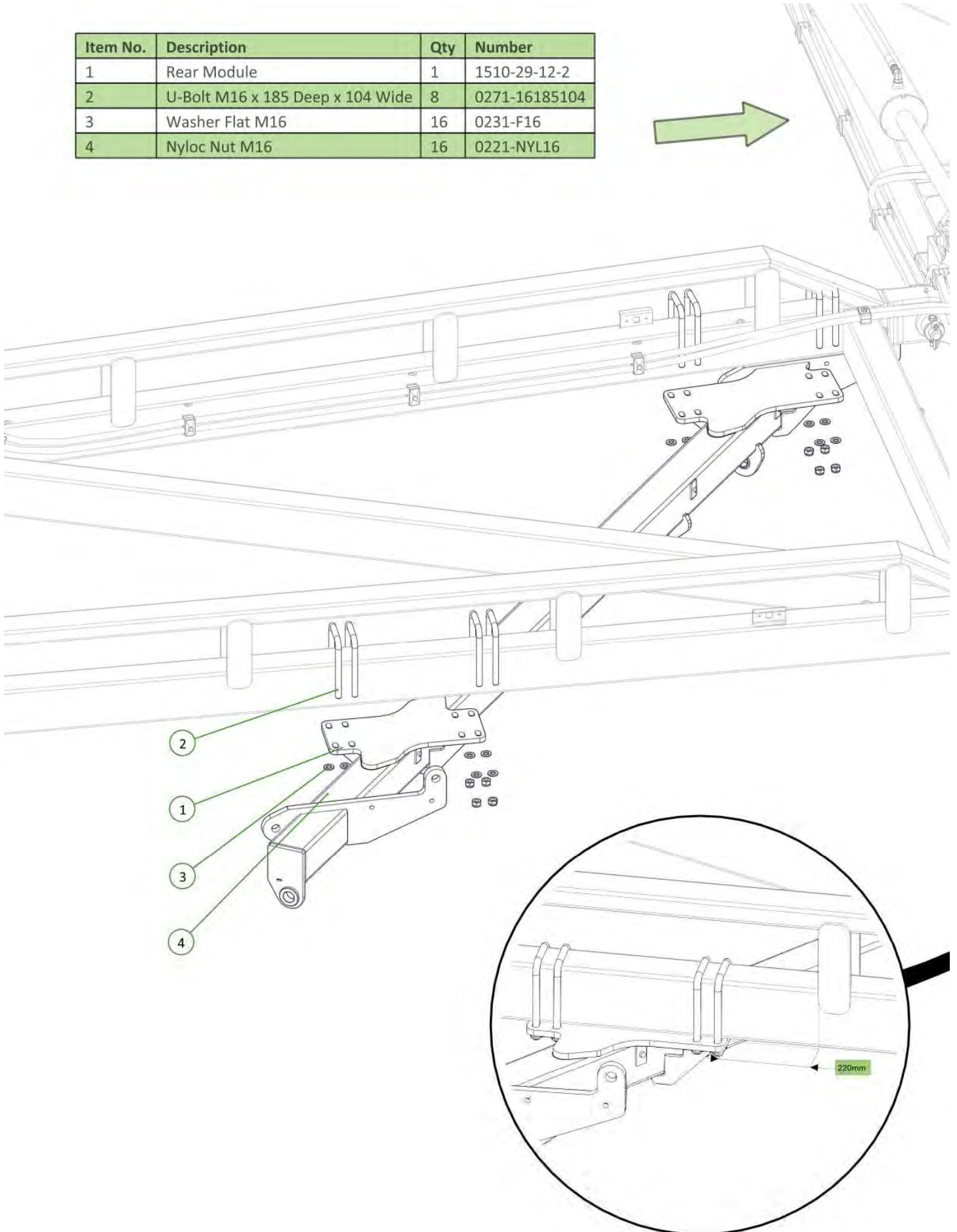
| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------|
| 1 | Tail Extension | 1 | 1510-40STE |
| 2 | M20 x 65 grade 8.8 ZP Bolt | 8 | 0211-2065 |
| 3 | Nyloc Nut M20 | 8 | 0221-NYL20 |
| 4 | Washer Flat M20 | 16 | 0231-F20 |



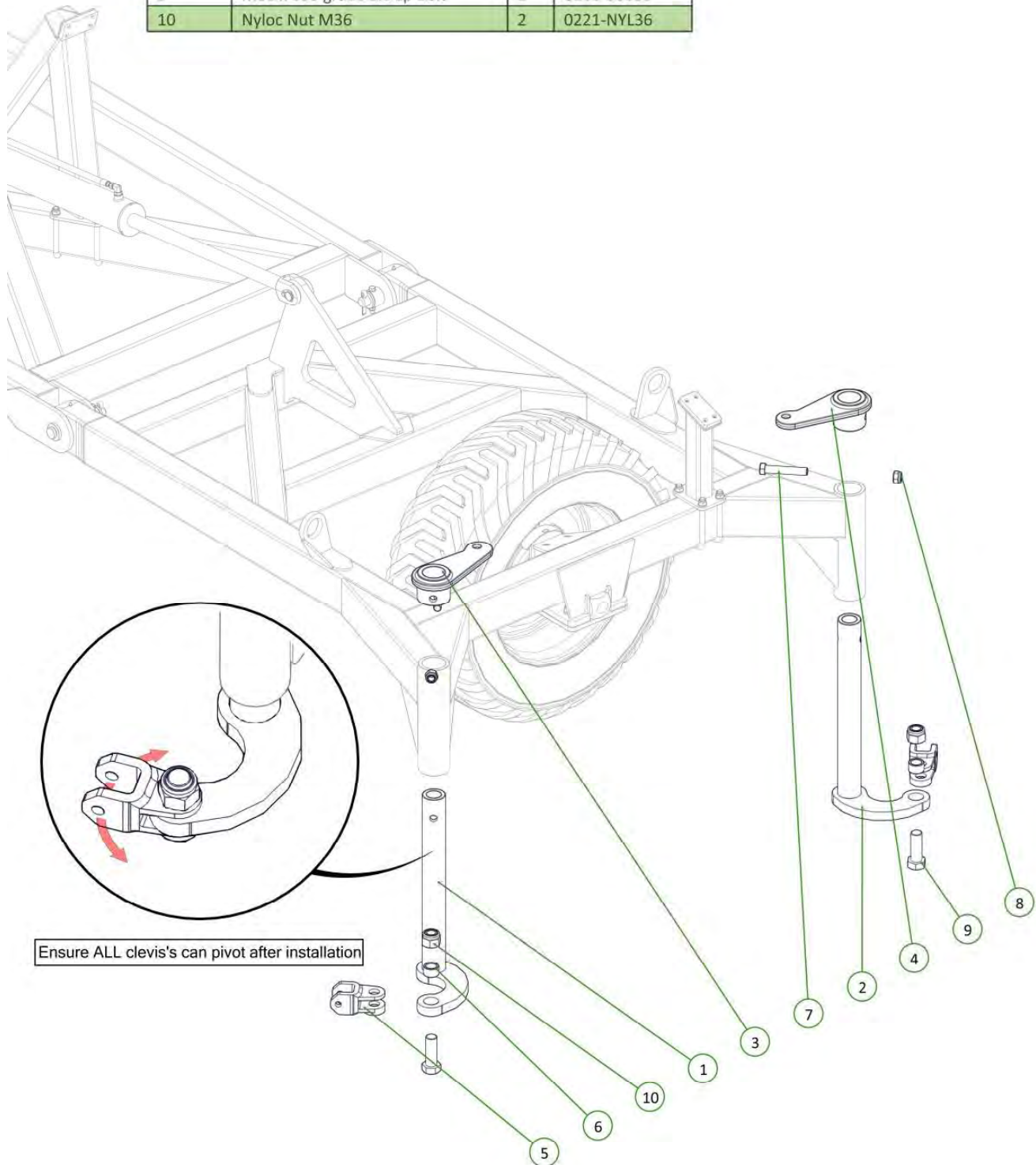
| Item No. | Description | Qty | Number |
|----------|----------------------------------|-----|---------------|
| 1 | Front Module | 1 | 1510-28-12E |
| 2 | U-Bolt M16 x 185 Deep x 104 Wide | 8 | 0271-16185104 |
| 3 | Nyloc Nut M16 | 16 | 0221-NYL16 |
| 4 | Washer Flat M16 | 16 | 0231-F16 |



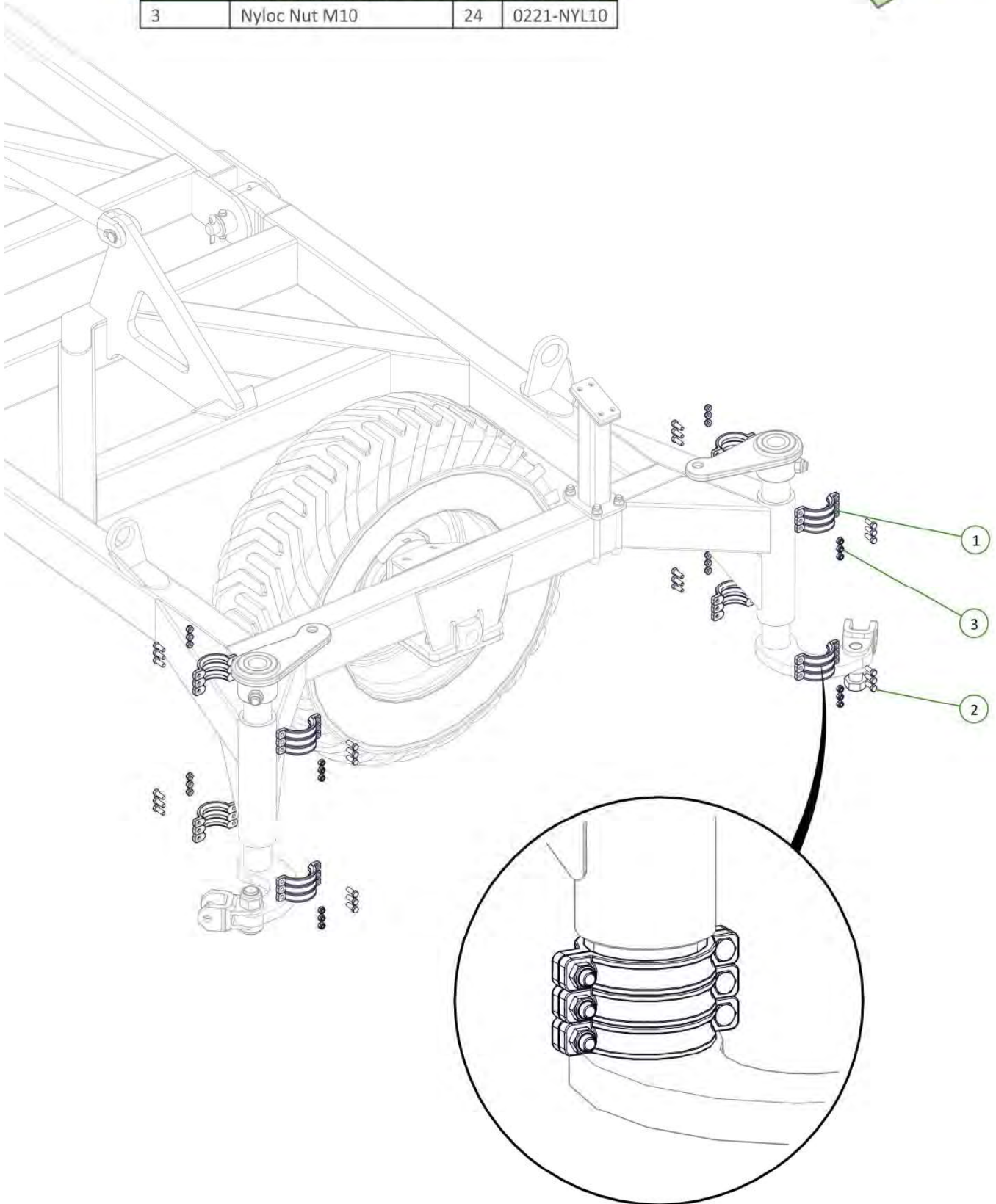
| Item No. | Description | Qty | Number |
|----------|----------------------------------|-----|---------------|
| 1 | Rear Module | 1 | 1510-29-12-2 |
| 2 | U-Bolt M16 x 185 Deep x 104 Wide | 8 | 0271-16185104 |
| 3 | Washer Flat M16 | 16 | 0231-F16 |
| 4 | Nyloc Nut M16 | 16 | 0221-NYL16 |



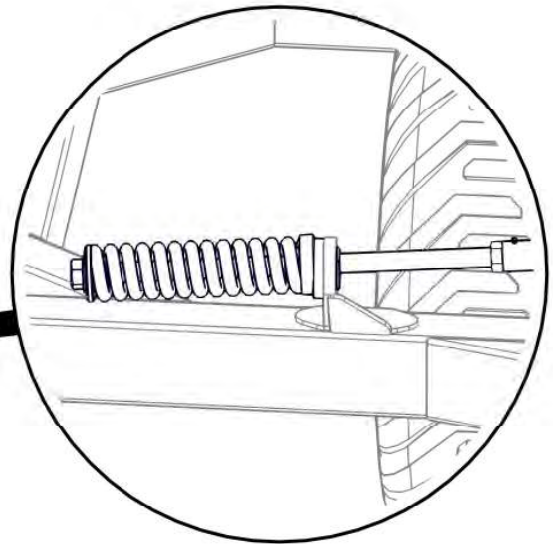
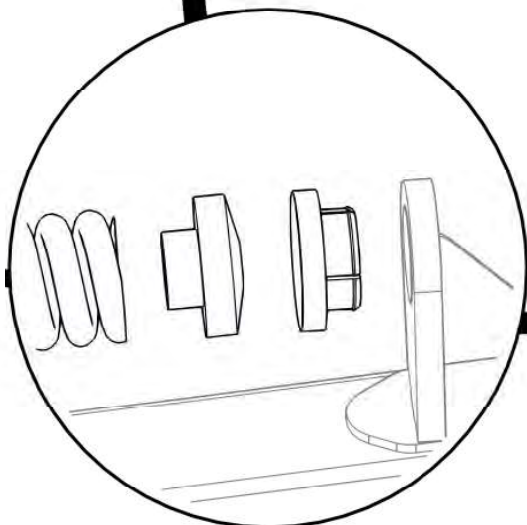
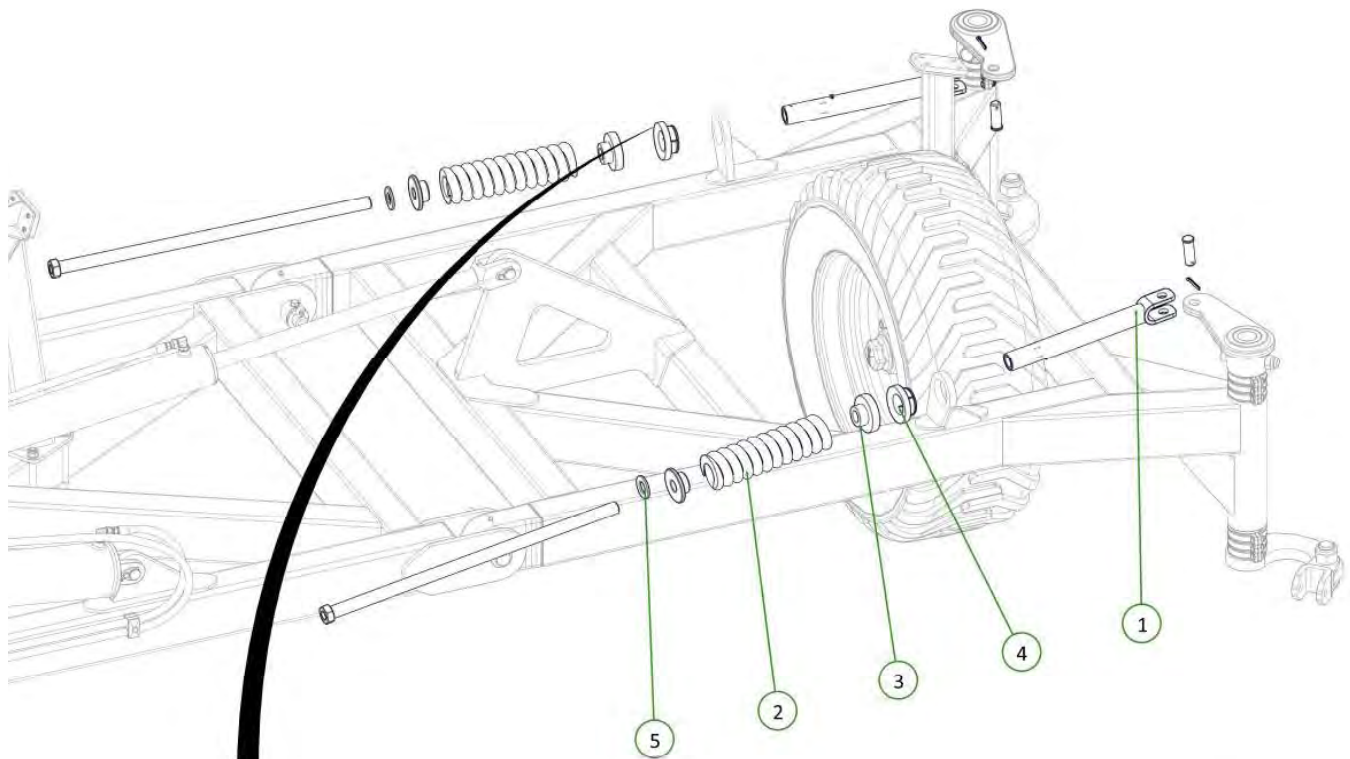
| Item No. | Description | Qty | Number |
|----------|------------------------------------|-----|----------------|
| 1 | Super Single LH Drop Leg No Clevis | 1 | 0810-24SF |
| 2 | Super Single RH Drop Leg No Clevis | 1 | 0810-25SF |
| 3 | LH Chain Adjusting Lug | 1 | 0810-26 |
| 4 | RH Chain Adjusting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



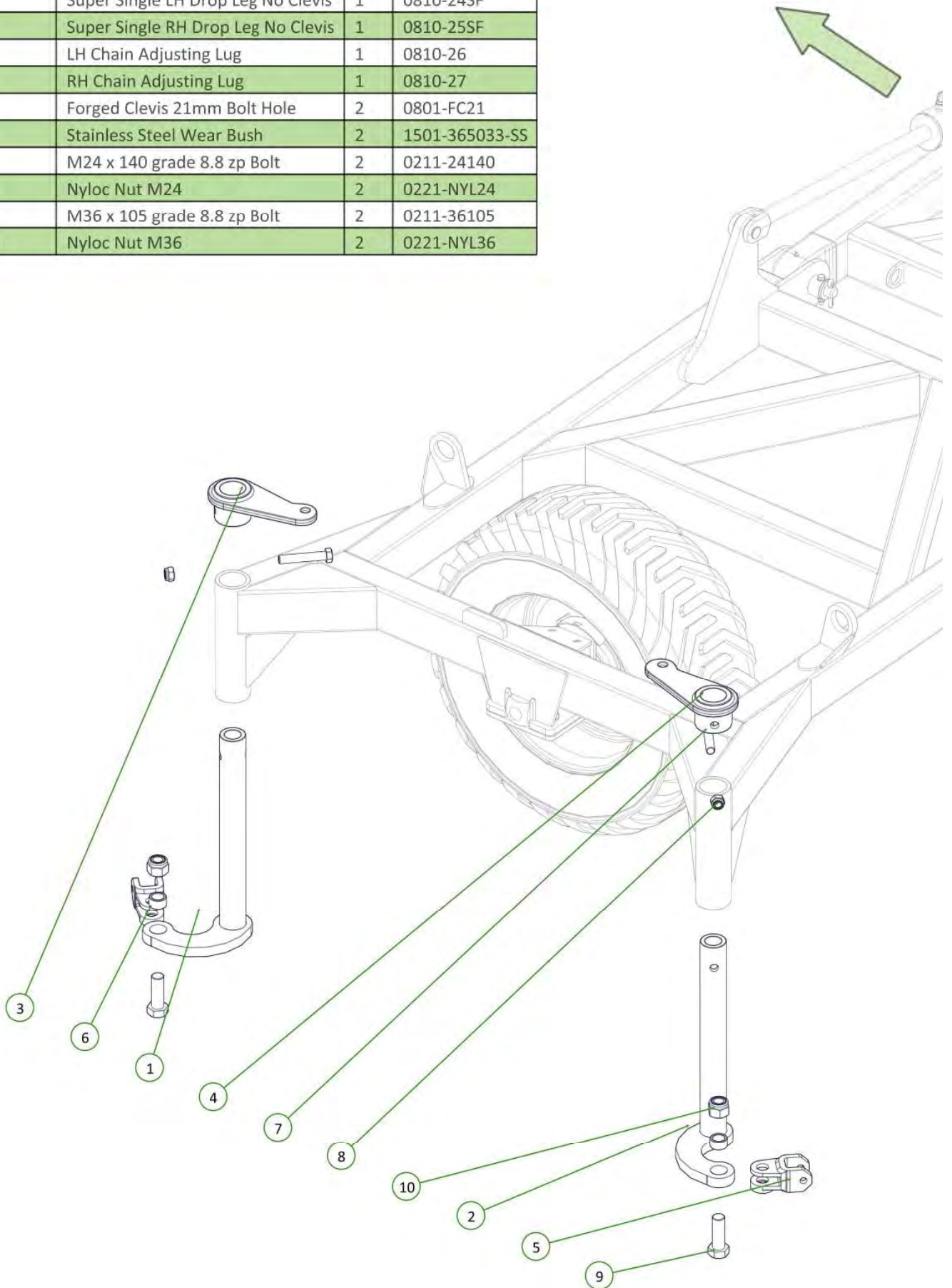
| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------|
| 1 | Cast 25mm Spacing | 24 | 0801-CS25 |
| 2 | M10 x 30 Class 8.8 ZP Bolt | 24 | 0211-1030 |
| 3 | Nyloc Nut M10 | 24 | 0221-NYL10 |



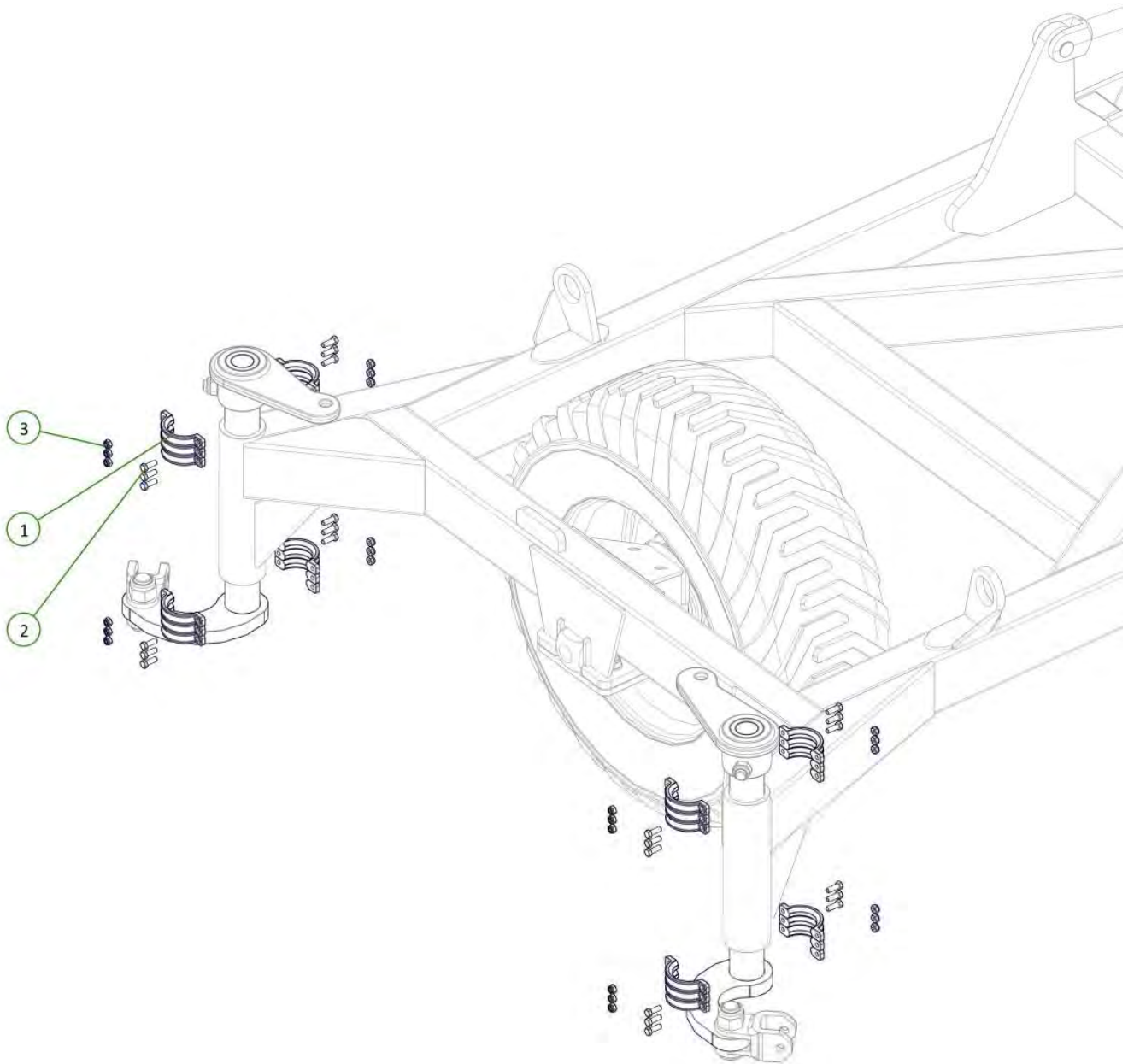
| Item No. | Description | Qty | Number |
|----------|-----------------------------|-----|---------------|
| 1 | Chain Tension Adjustor | 2 | 0802-PCHTA |
| 2 | Heavy Duty Coil Spring 24mm | 2 | 0801-K2455350 |
| 3 | Tensioner Cup - Male | 2 | 0801-KE0805-3 |
| 4 | Tensioner Cup - Female | 2 | 0801-KE0805-4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



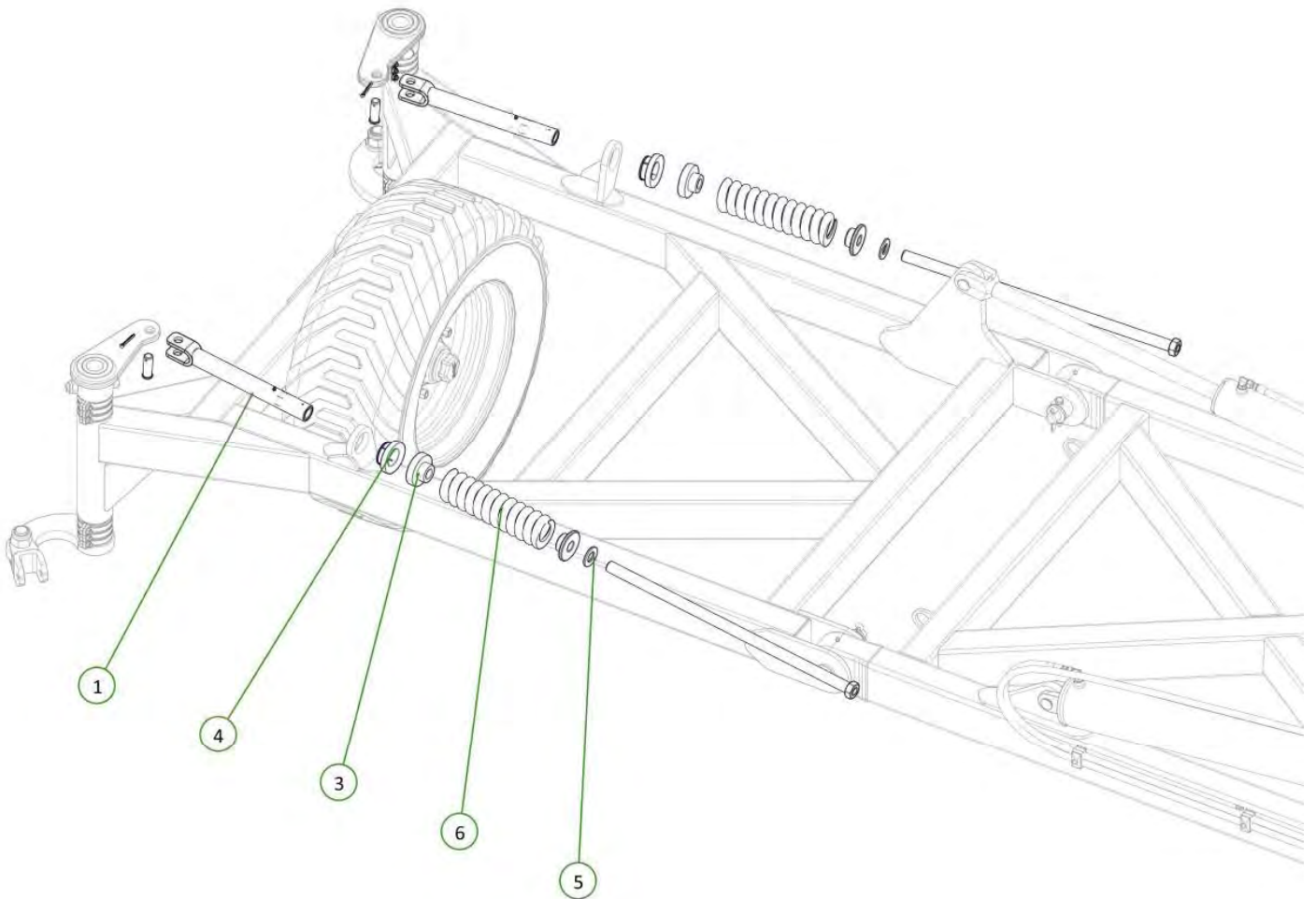
| | | | |
|----|------------------------------------|---|----------------|
| 1 | Super Single LH Drop Leg No Clevis | 1 | 0810-24SF |
| 2 | Super Single RH Drop Leg No Clevis | 1 | 0810-25SF |
| 3 | LH Chain Adjusting Lug | 1 | 0810-26 |
| 4 | RH Chain Adjusting Lug | 1 | 0810-27 |
| 5 | Forged Clevis 21mm Bolt Hole | 2 | 0801-FC21 |
| 6 | Stainless Steel Wear Bush | 2 | 1501-365033-SS |
| 7 | M24 x 140 grade 8.8 zp Bolt | 2 | 0211-24140 |
| 8 | Nyloc Nut M24 | 2 | 0221-NYL24 |
| 9 | M36 x 105 grade 8.8 zp Bolt | 2 | 0211-36105 |
| 10 | Nyloc Nut M36 | 2 | 0221-NYL36 |

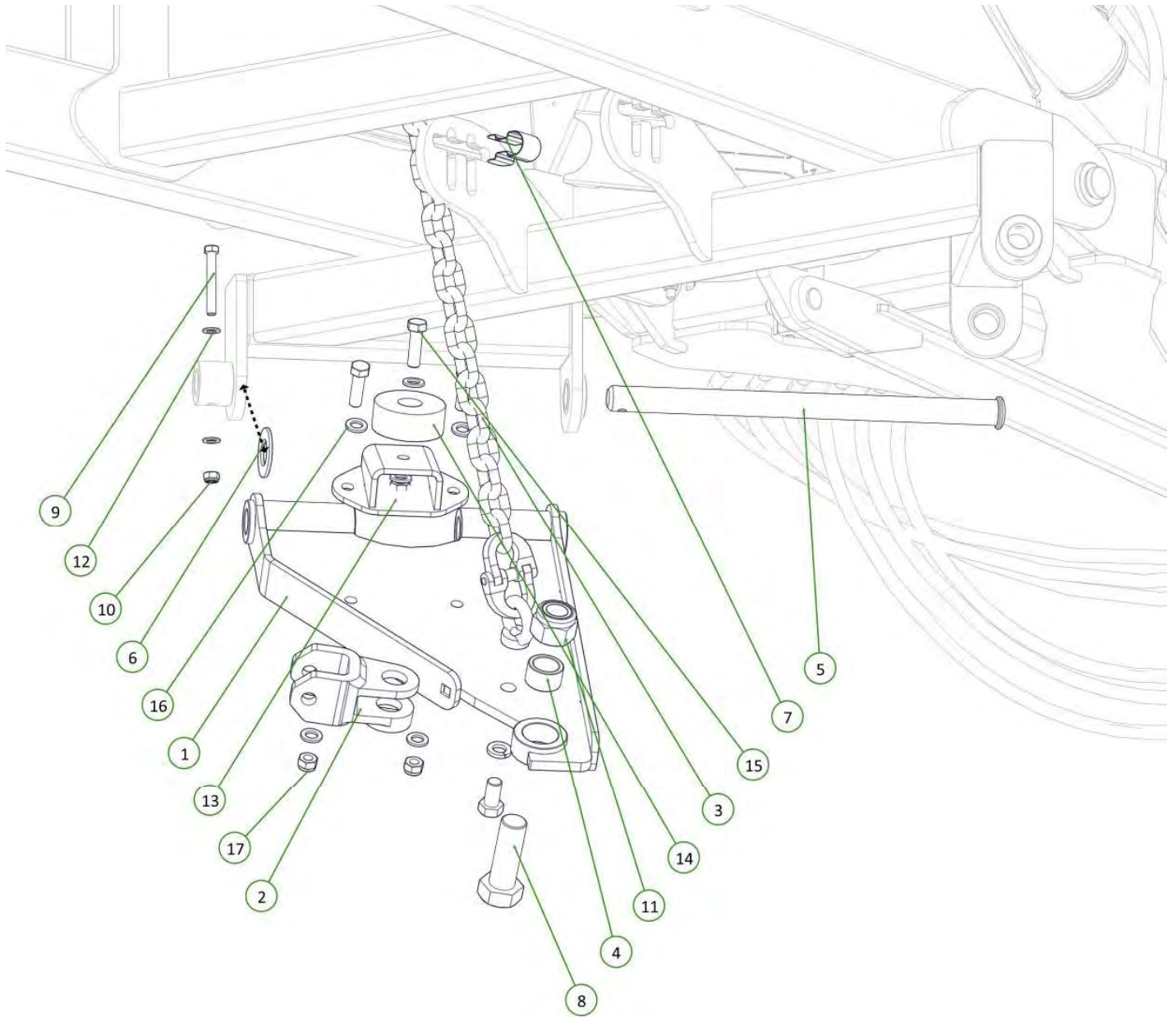


| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------|
| 1 | Cast 25mm Spacing | 24 | 0801-CS25 |
| 2 | M10 x 30 Class 8.8 ZP Bolt | 24 | 0211-1030 |
| 3 | Nyloc Nut M10 | 24 | 0221-NYL10 |

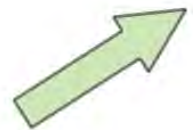


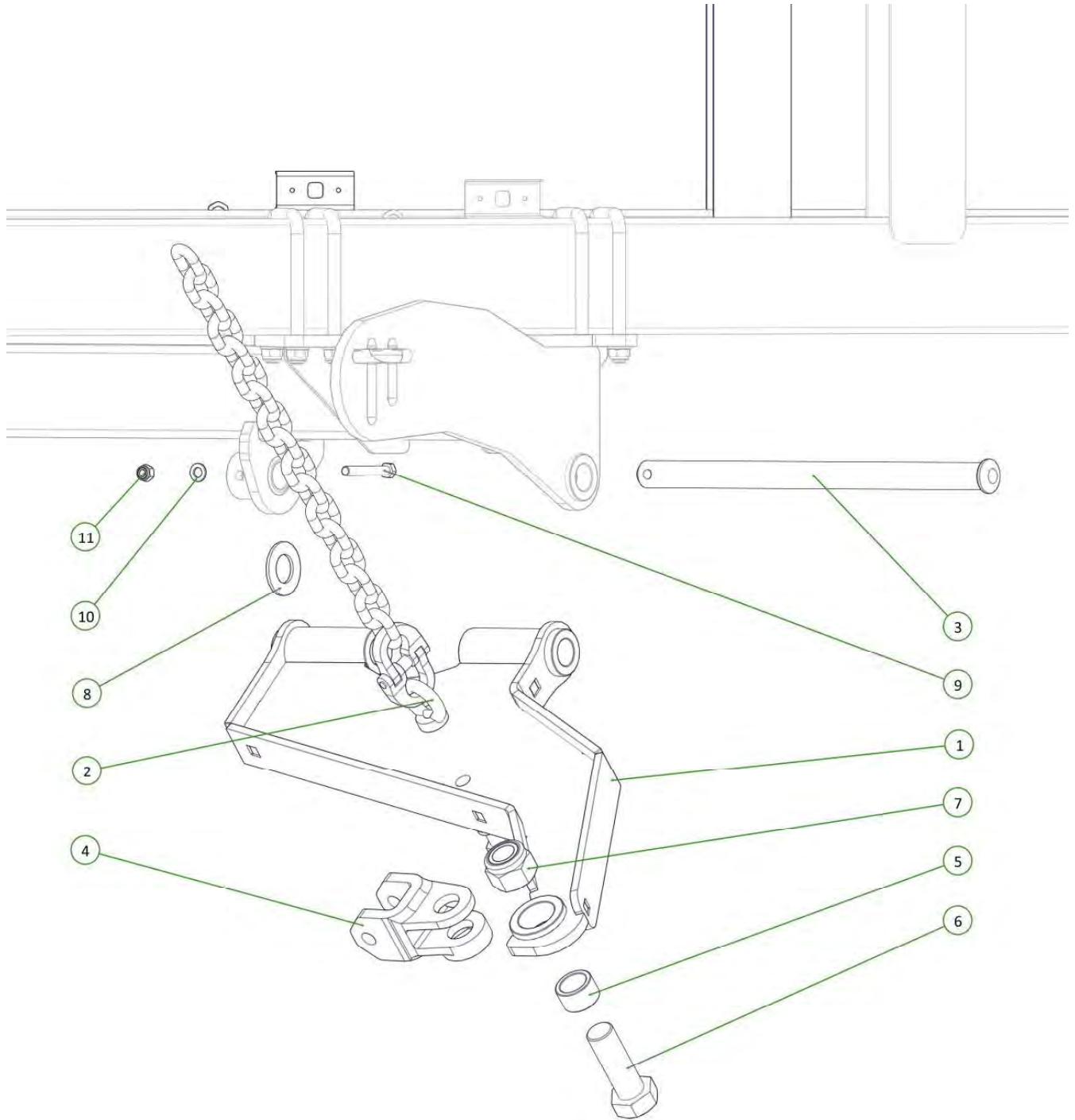
| Item No. | Description | Qty | Number |
|----------|-----------------------------|-----|---------------|
| 1 | Chain Tension Adjustor | 2 | 0802-PCHTA |
| 3 | Tensioner Cup - Male | 2 | 0801-KE0805-3 |
| 4 | Tensioner Cup - Female | 2 | 0801-KE0805-4 |
| 5 | Washer High Tensile 1 1/4" | 2 | 0232-HT11-4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



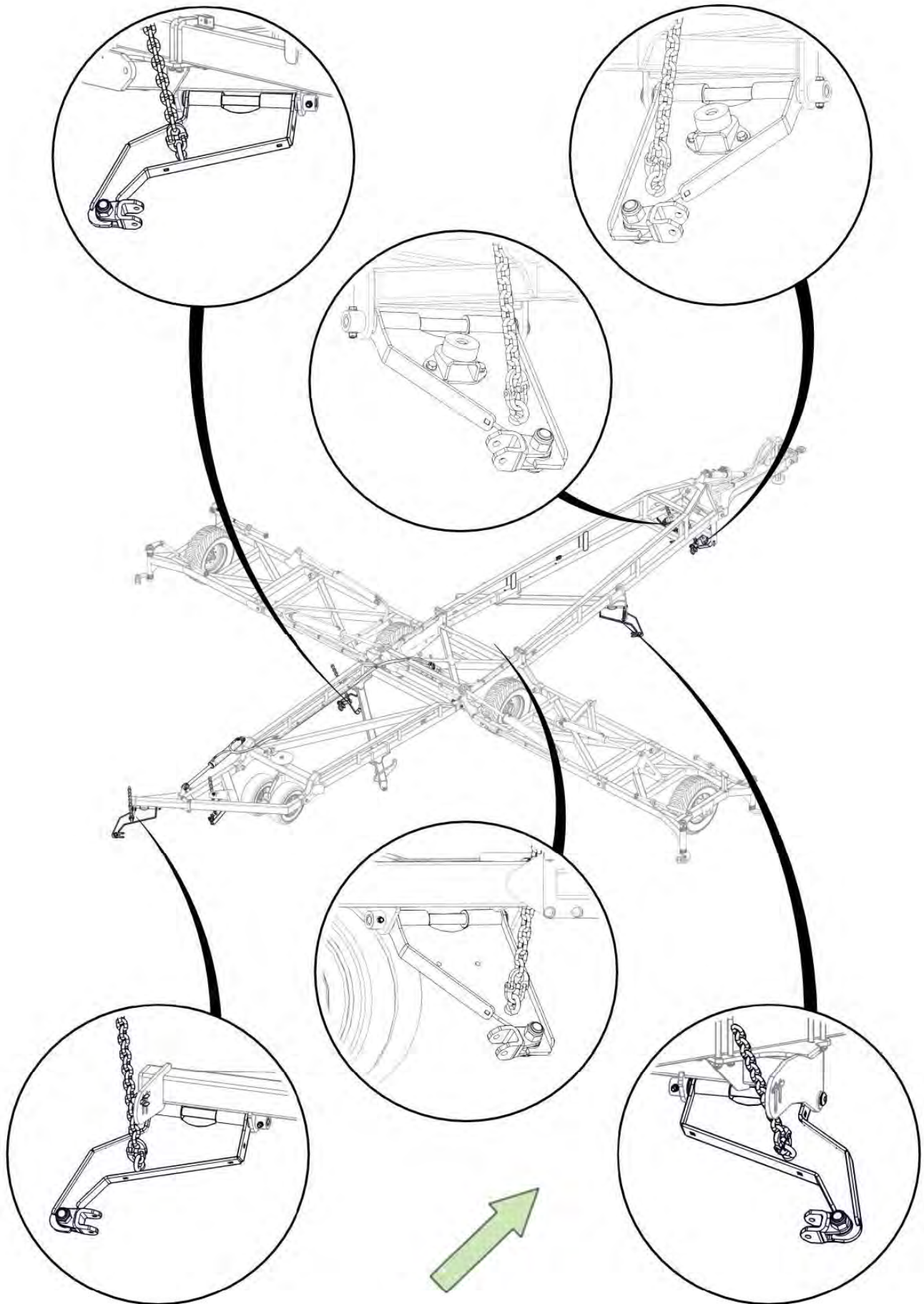


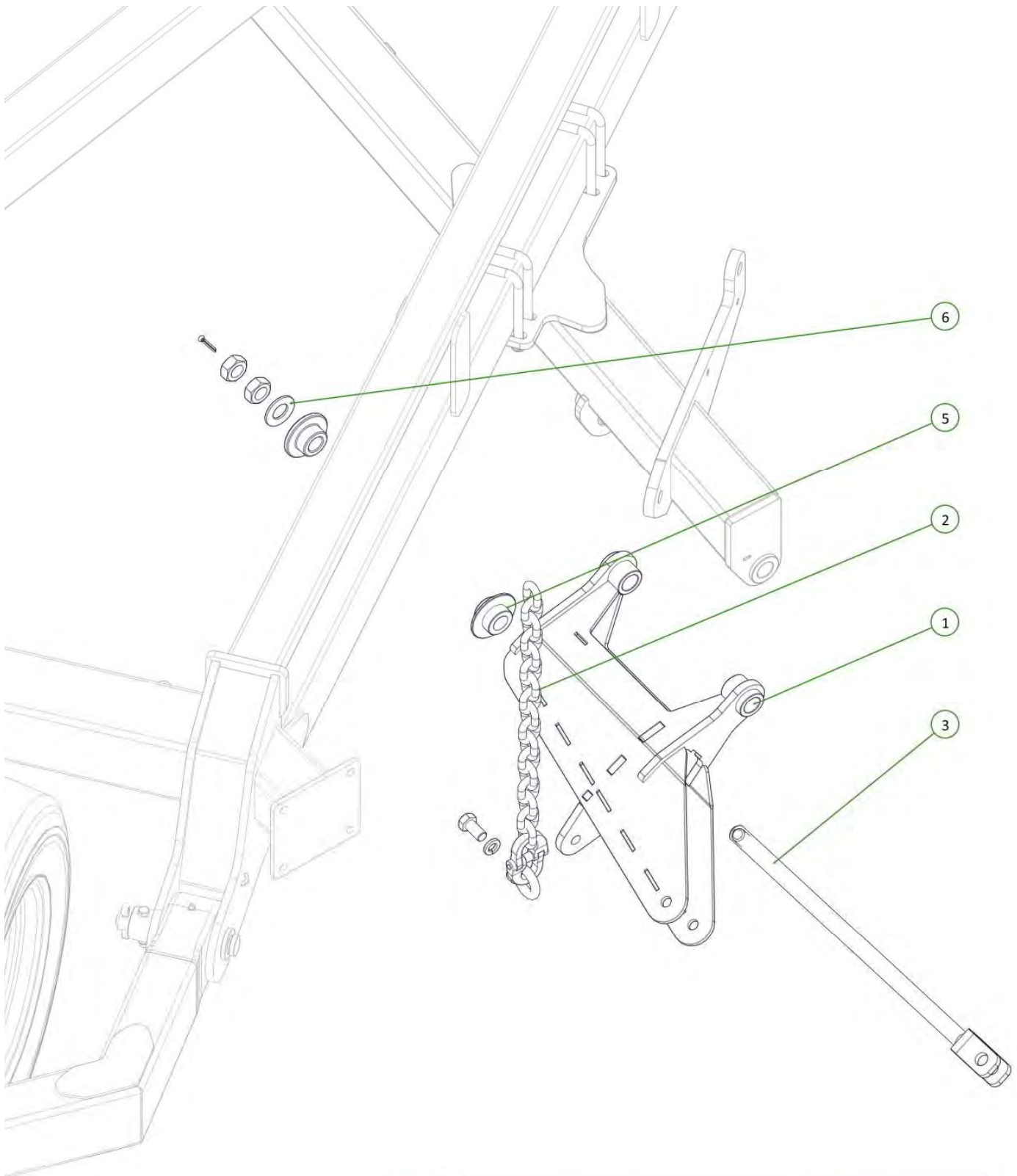
| Item No. | Description | Qty | Number |
|----------|---|-----|----------------|
| 1 | Standard Chain Mount Plate | 1 | 0810-20 |
| 2 | Forged Clevis 21mm Bolt Hole | 1 | 0801-FC21 |
| 3 | Height Adjusting Chain Assembly 17 Link | 1 | 0801-20MCA-17 |
| 4 | Stainless Steel Wear Bush | 1 | 1501-365033-SS |
| 5 | Chain Mount Pivot Pin | 1 | 0801-10-51 |
| 6 | Washer High Tensile 1 3/8" | 1 | 0232-HT13-8 |
| 7 | Height Adjustor Retaining Clip | 1 | 0801-KE014 |
| 8 | M36 Grade 8.8 ZP Bolt | 1 | 0211-36105 |
| 9 | M12 x 90 Class 10.9 ZP Bolt | 1 | 0211-1290HT |
| 10 | Nyloc Nut M12 | 1 | 0221-NYL12 |
| 11 | Nyloc Nut M36 | 1 | 0221-NYL36 |
| 12 | Washer Flat M12 | 2 | 0231-F12 |
| 13 | Buffer Mount | 1 | 0810-43 |
| 14 | Wing Folding Buffer | 1 | 1201-12 |
| 15 | M16 x 55 Class 8.8 ZP Bolt | 3 | 0211-1655 |
| 16 | Washer Flat M16 | 6 | 0231-F16 |
| 17 | Nyloc Nut M16 | 3 | 0221-NYL16 |



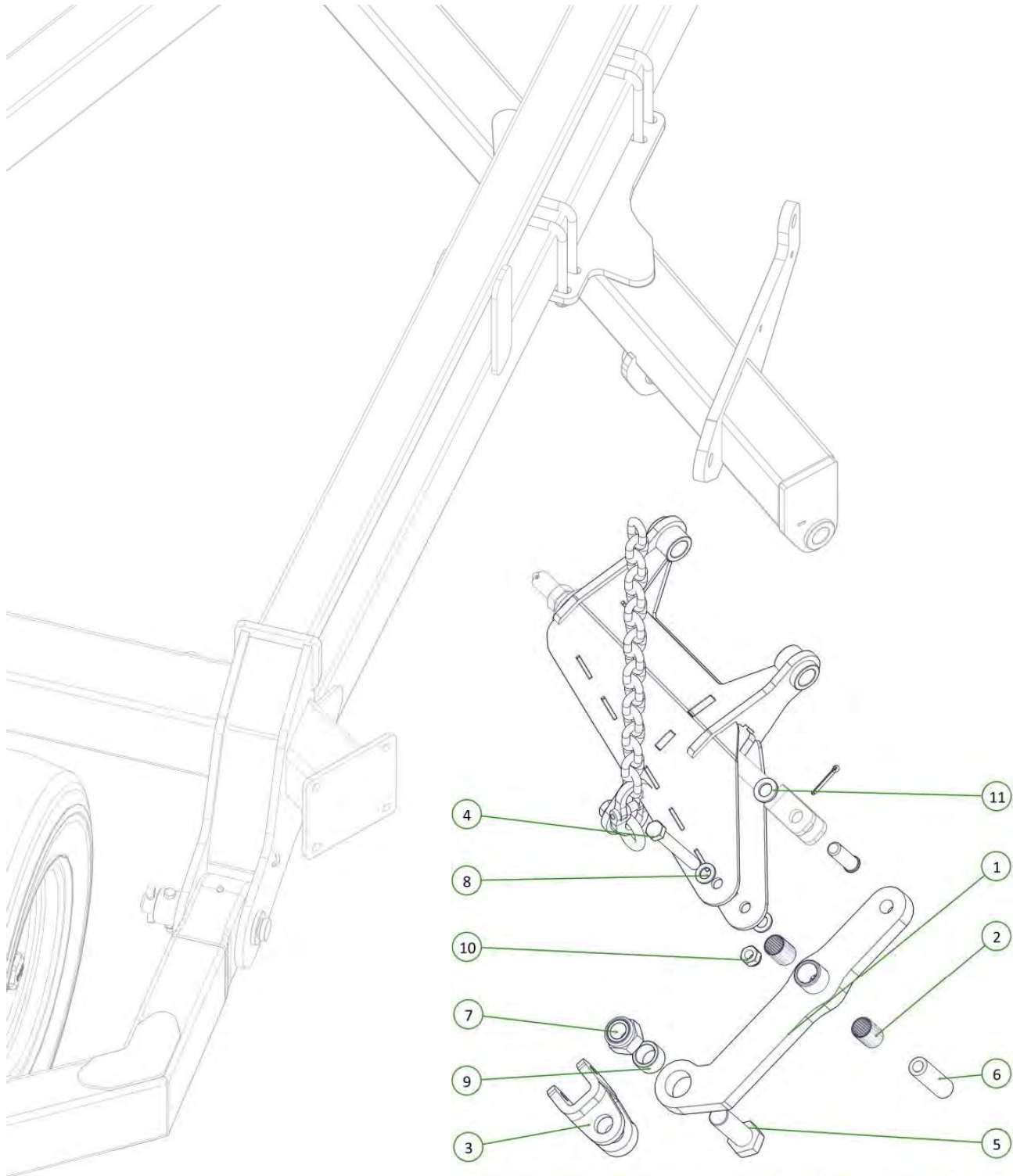


| Item No. | Description | Qty | Number |
|----------|---|-----|----------------|
| 1 | Extended Chain Mount Plate | 1 | 0810-69 |
| 2 | Height Adjusting Chain Assembly 17 Link | 1 | 0801-20MCA-17 |
| 3 | Chain Mount Pivot Pin | 1 | 0801-10-51 |
| 4 | Forged Clevis 21mm Bolt Hole | 1 | 0801-FC21 |
| 5 | Wear Bush | 1 | 1501-365033-SS |
| 6 | M36 x 105 Class 8.8 ZP Bolt | 1 | 0211-36105 |
| 7 | Nyloc Nut M36 | 1 | 0221-NYL36 |
| 8 | Washer High Tensile 1 3/8" | 1 | 0232-HT13-8 |
| 9 | M12 x 90 Class 10.9 ZP Bolt | 1 | 0211-1290HT |
| 10 | Washer Flat M12 | 2 | 0231-F12 |
| 11 | Nyloc Nut M12 | 1 | 0221-NYL12 |

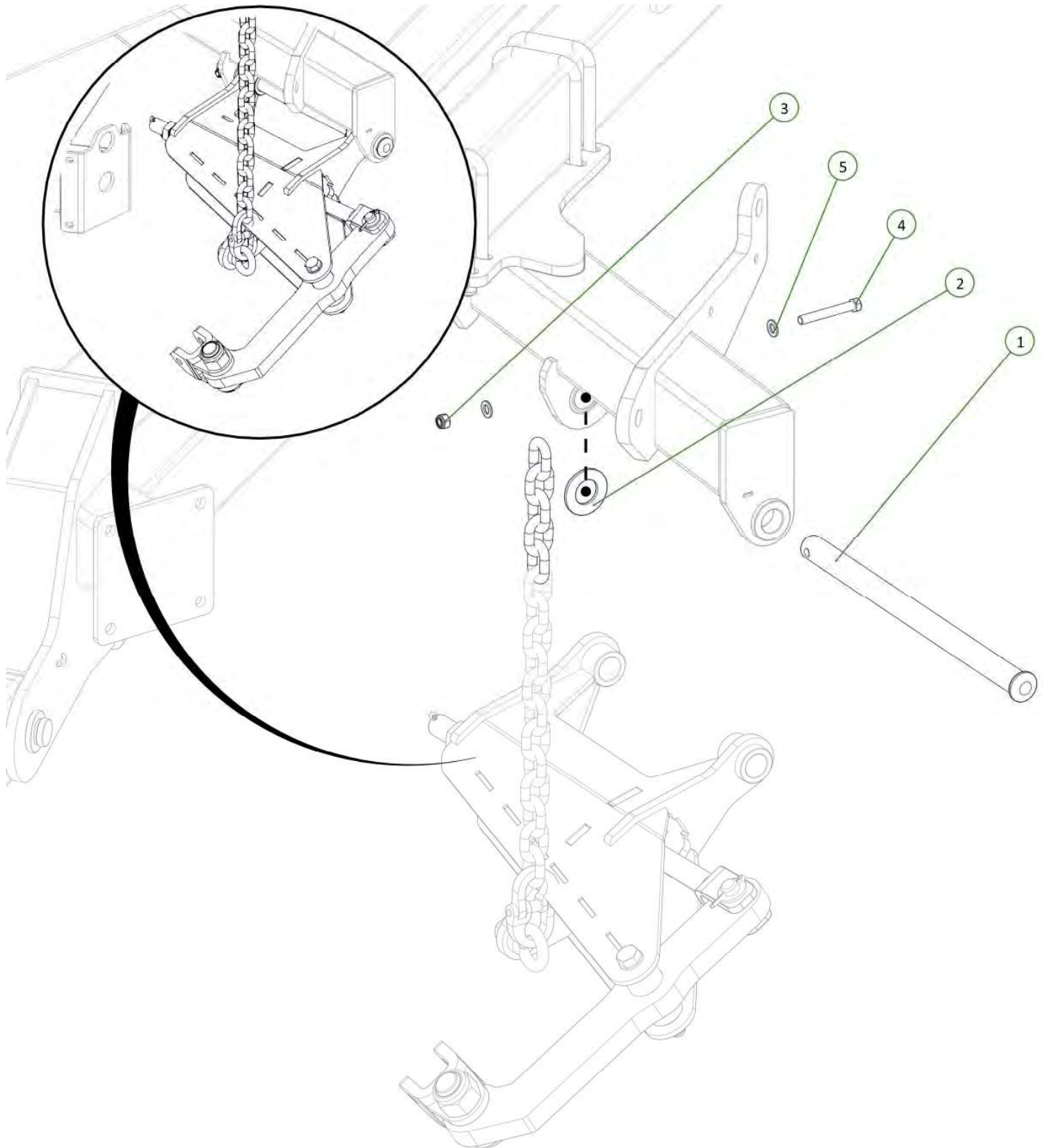




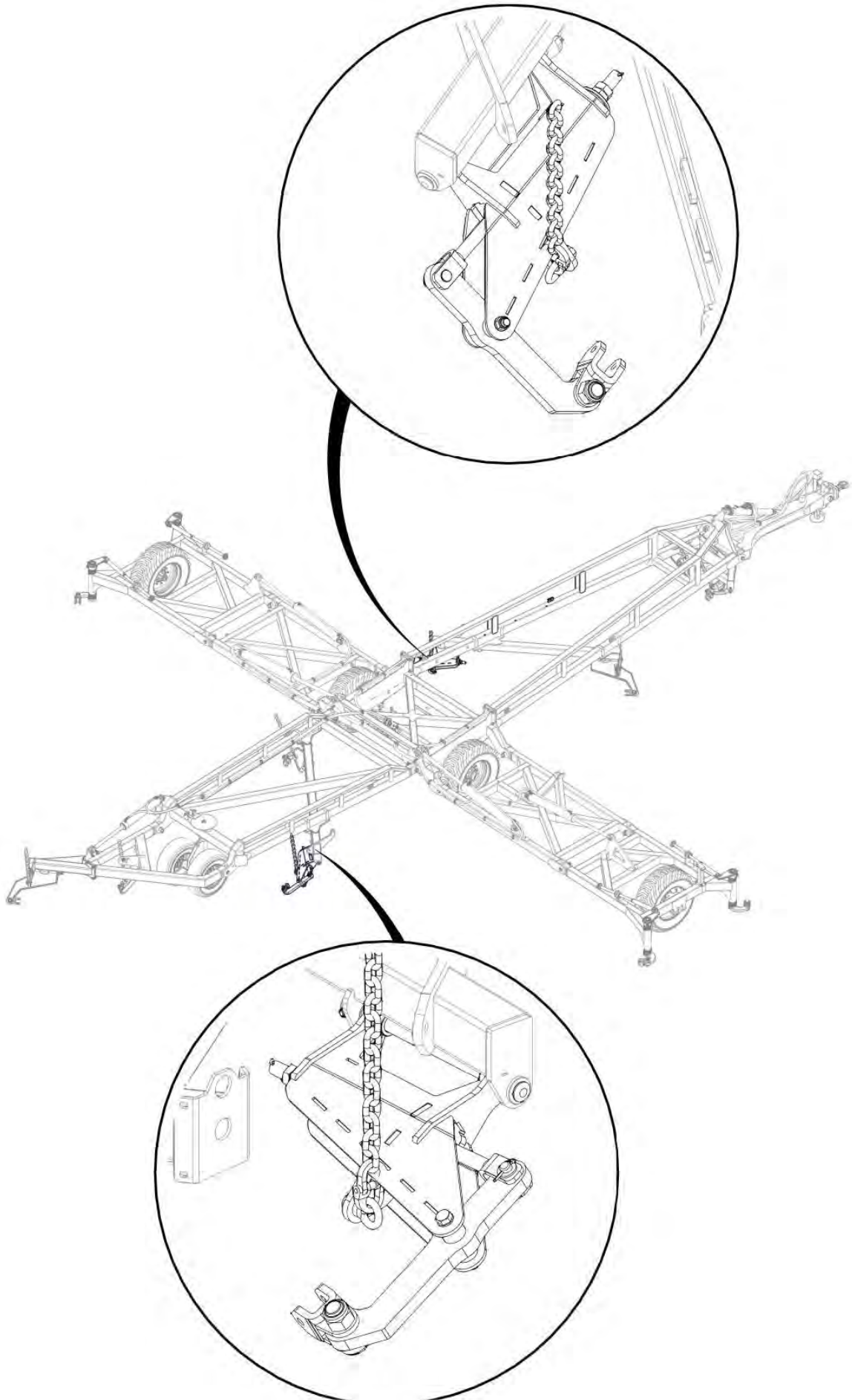
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | Tension Box | 1 | 0810-57 |
| 2 | Height Adjusting Chain Assembly 17 Link | 1 | 0801-20MCA-17 |
| 3 | Module Tension Rod Assembly | 1 | 0810-105A |
| 5 | Rigid Spring Locator | 1 | 0801-10-S2L |
| 6 | Washer High Tensile 1 1/4" | 1 | 0232-HT11-4 |



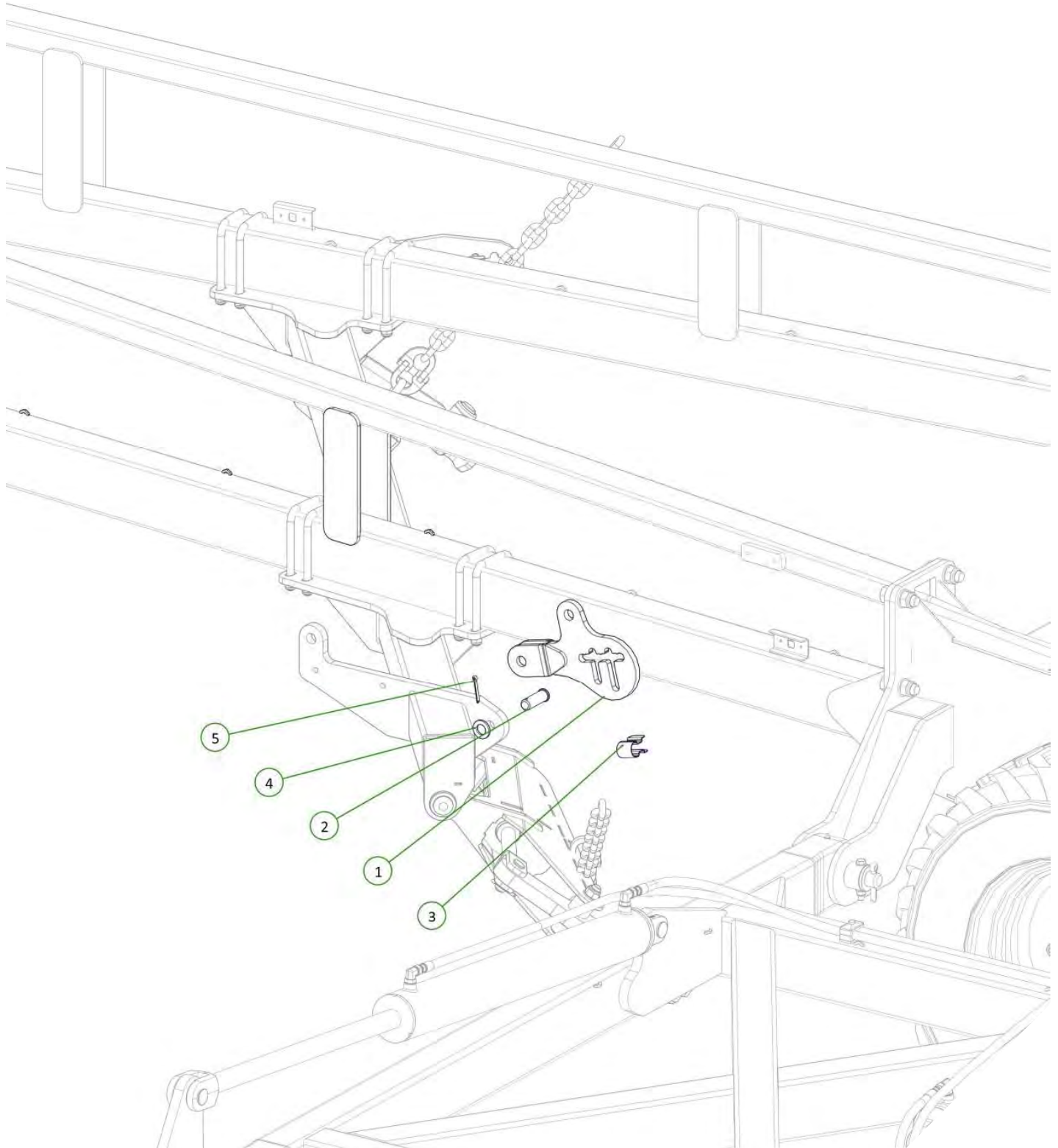
| Item No. | Description | Qty | Number |
|----------|------------------------------|-----|----------------|
| 1 | Module Tension Arm No Clevis | 1 | 0810-104F |
| 2 | 35 ID x 50mm DX Bush | 2 | 0113-MB3550DX |
| 3 | Forged Clevis 21mm Bolt Hole | 1 | 0801-FC21 |
| 4 | M20 x 160 Class 8.8 ZP Bolt | 1 | 0211-20160 |
| 5 | M36 x 105 Class 8.8 ZP Bolt | 1 | 0211-36105 |
| 6 | Module Pivot Arm Bush | 1 | 0801-10-110 |
| 7 | Nyloc Nut M36 | 1 | 0221-NYL36 |
| 8 | Washer Flat M2 | 2 | 0231-F20 |
| 9 | Wear Bush | 1 | 1501-365033-SS |
| 10 | Nyloc Nut M20 | 1 | 0221-NYL20 |
| 11 | Washer Flat M24 | 1 | 0231-F24 |



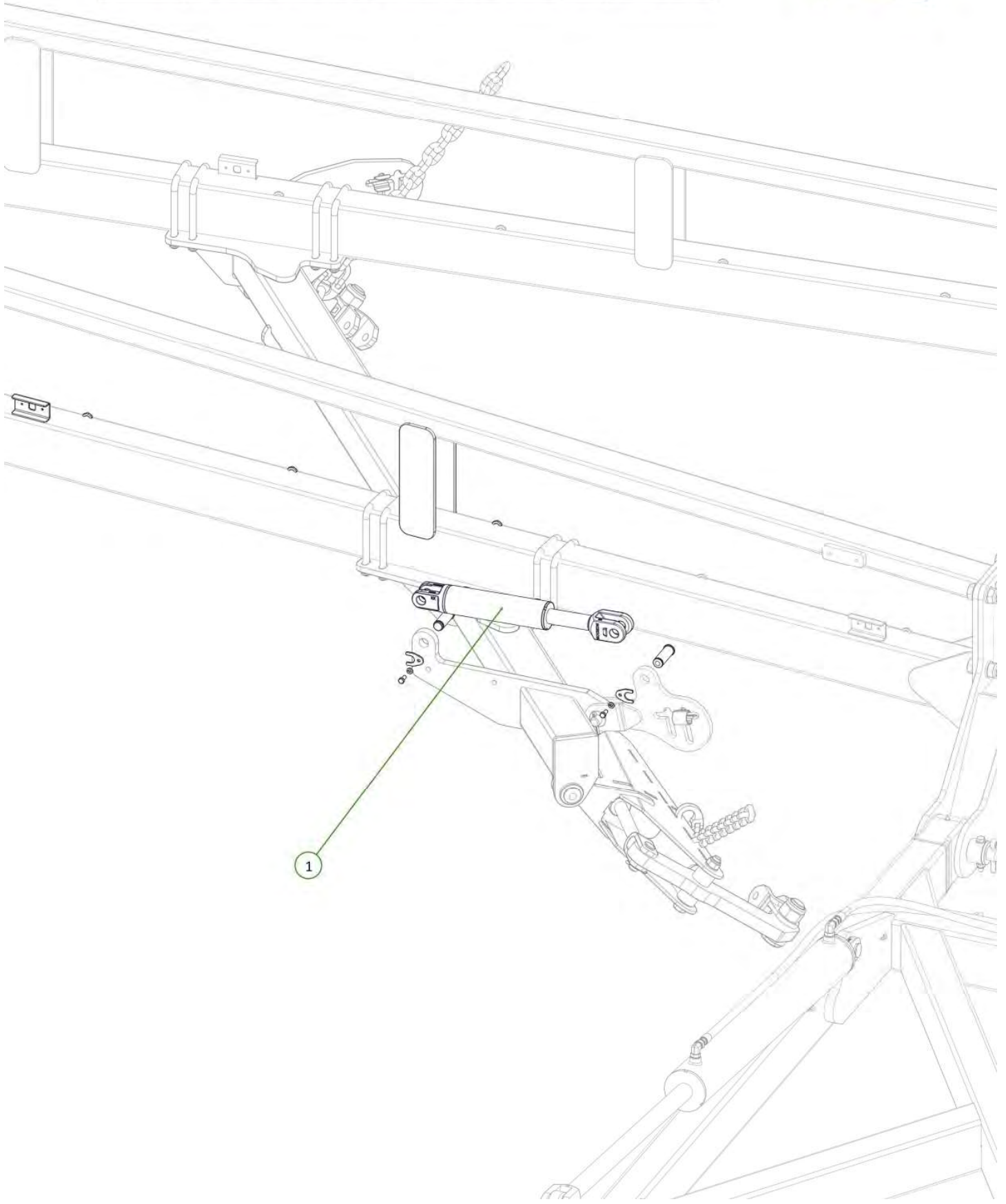
| Item No. | Description | Qty | Number |
|----------|-----------------------------|-----|-------------|
| 1 | Chain Mount Pivot Pin | 1 | 0801-10-51 |
| 2 | Washer High Tensile 1 3/8" | 1 | 0232-HT13-8 |
| 3 | Nyloc Nut M12 | 1 | 0221-NYL12 |
| 4 | M12 x 90 Class 10.9 ZP Bolt | 1 | 0211-1290HT |
| 5 | Washer Flat M12 | 2 | 0231-F12 |



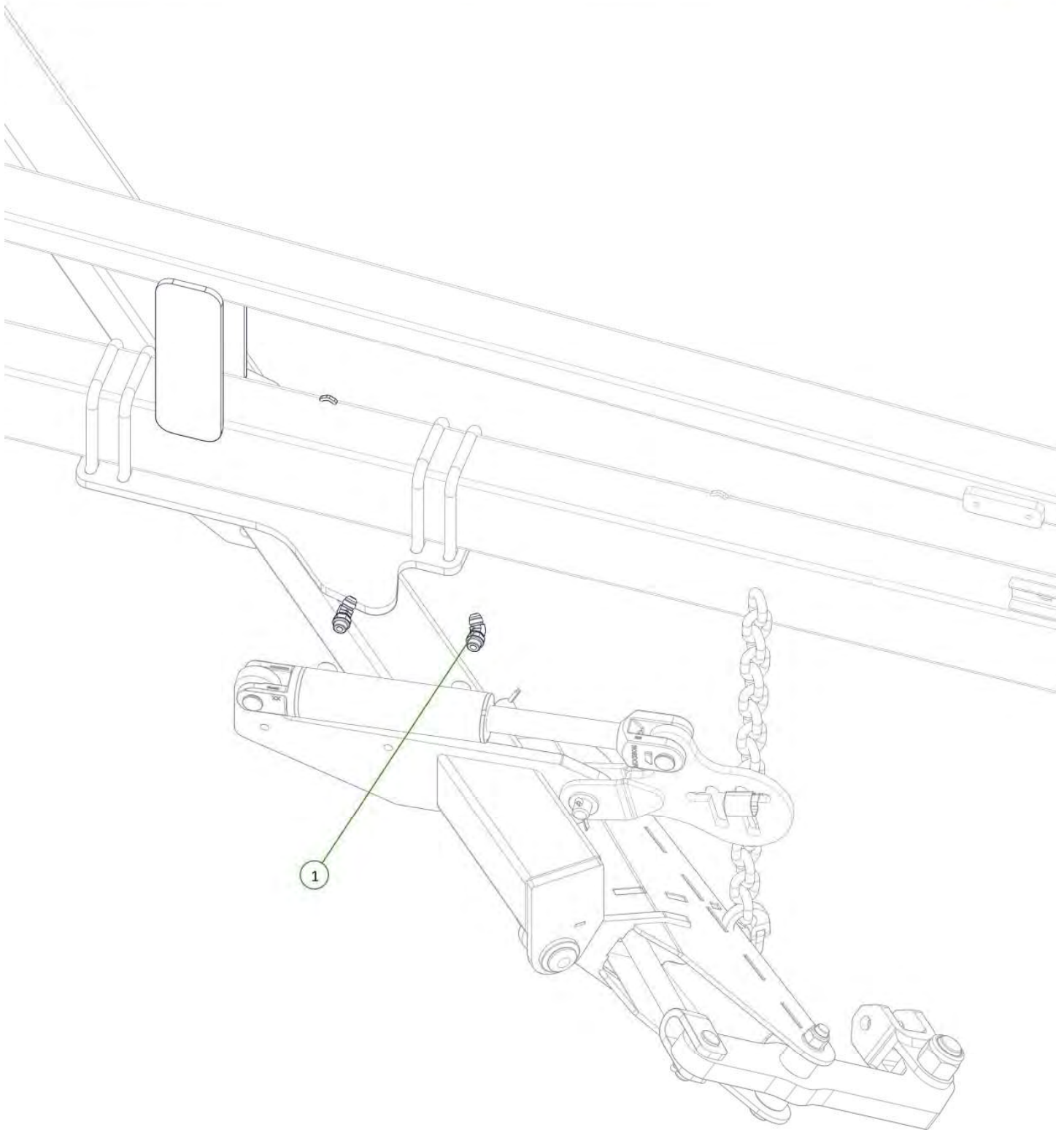
| Item No. | Description | Qty | Number |
|----------|--------------------------------|-----|---------------|
| 1 | Compact Module Lift Arm | 1 | 0810-51E |
| 2 | Clevis Pin 25mm x 75mm | 1 | 0801-KE0307-1 |
| 3 | Height Adjustor Retaining Clip | 1 | 0801-KE014 |
| 4 | Washer Flat M24 | 1 | 0231-F24 |
| 5 | Cotter Pin M5 x 50 | 1 | 0261-PINC550 |



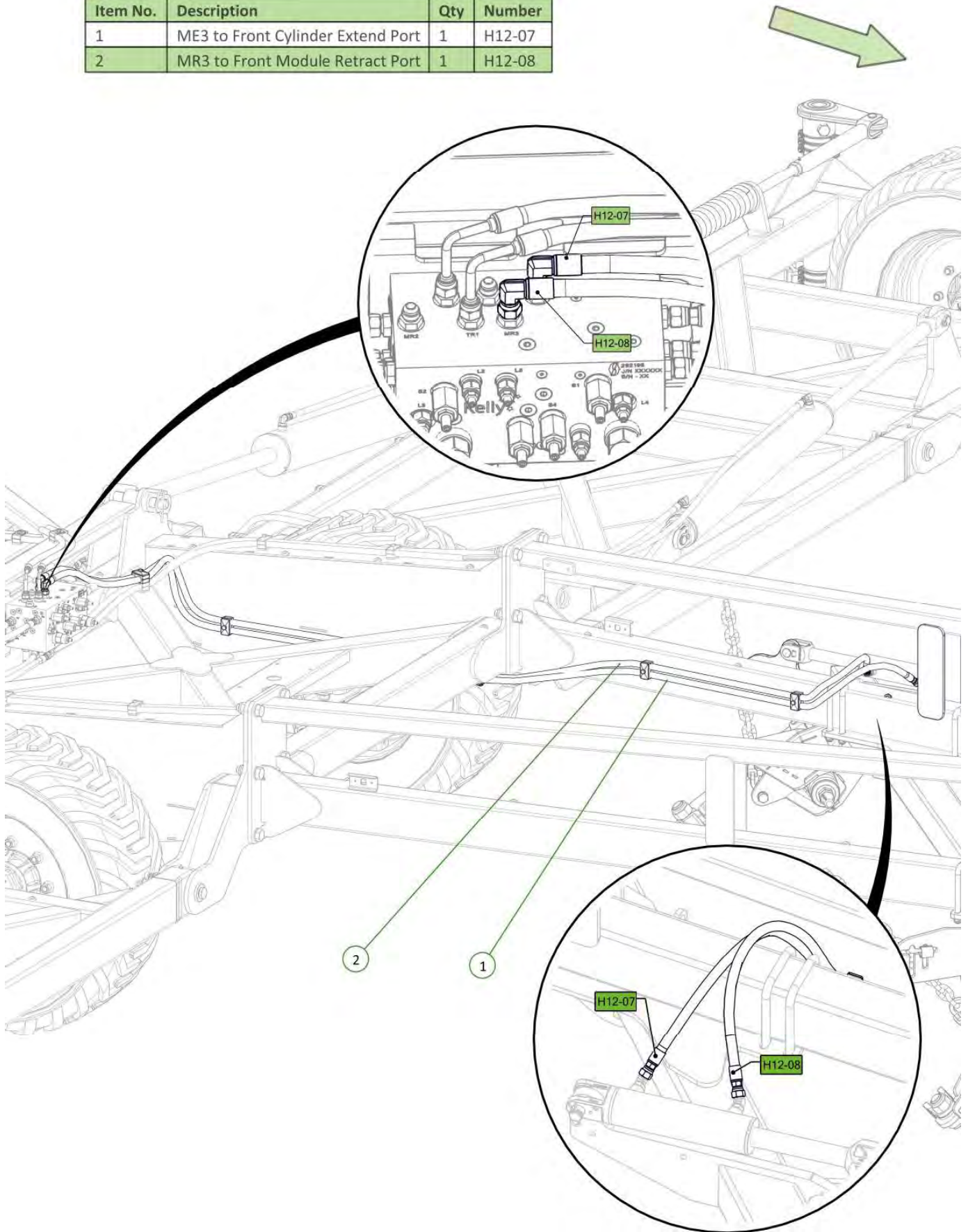
| Item No. | Description | Qty | Number |
|----------|---|-----|------------|
| 1 | 2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder | 1 | 0311-256SP |



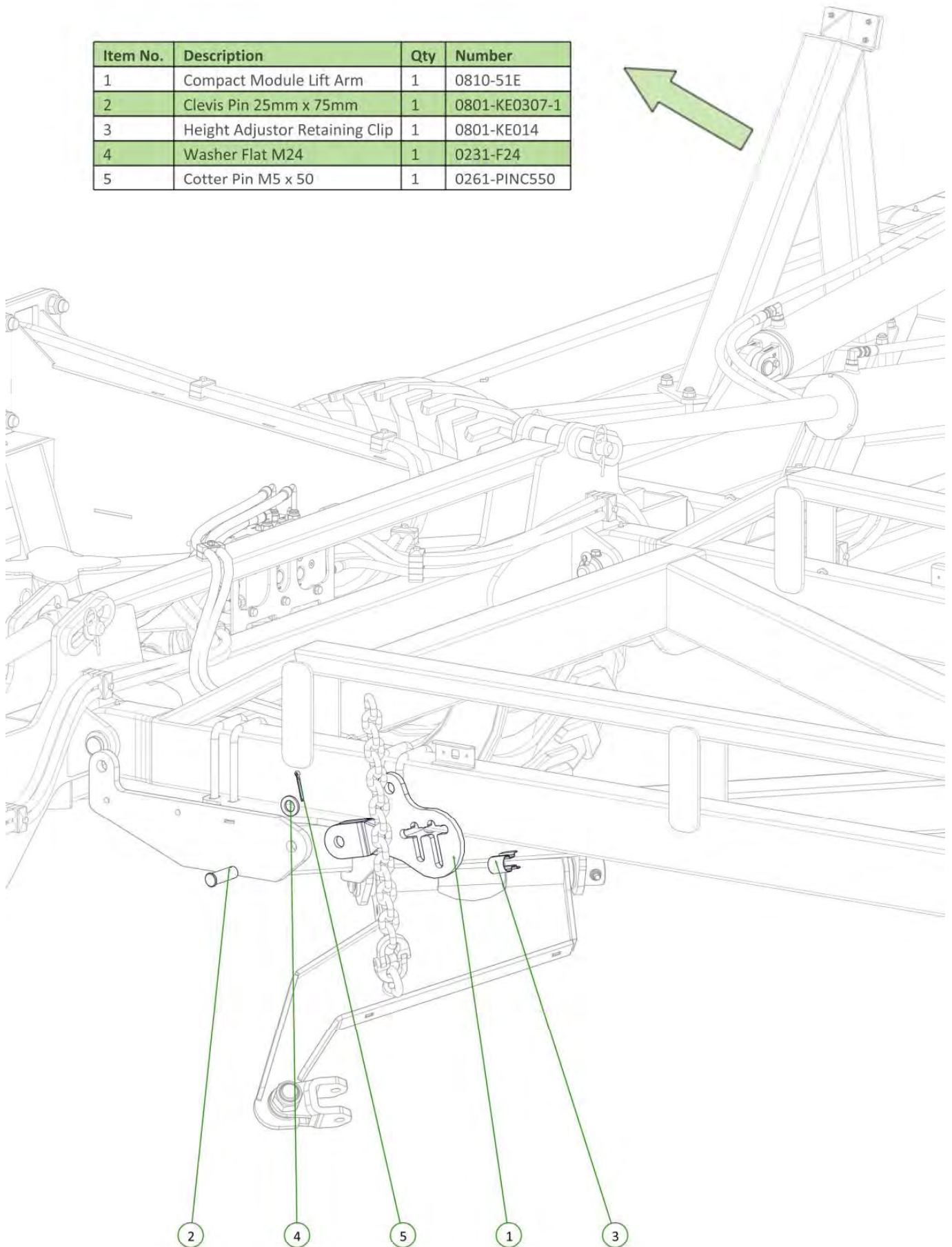
| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 45° Elbow | 2 | 0323-S88-1212 |



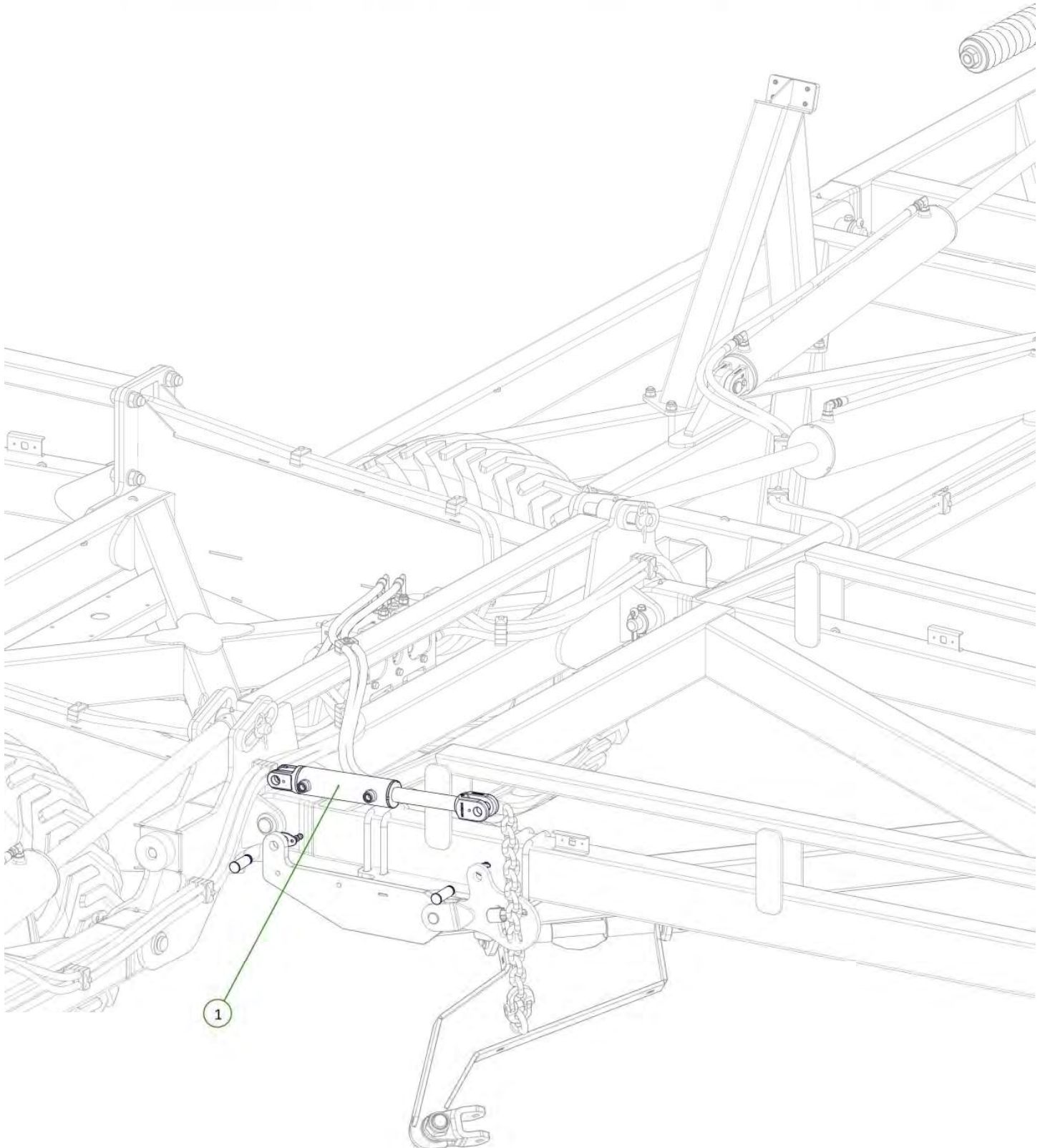
| Item No. | Description | Qty | Number |
|----------|-----------------------------------|-----|--------|
| 1 | ME3 to Front Cylinder Extend Port | 1 | H12-07 |
| 2 | MR3 to Front Module Retract Port | 1 | H12-08 |

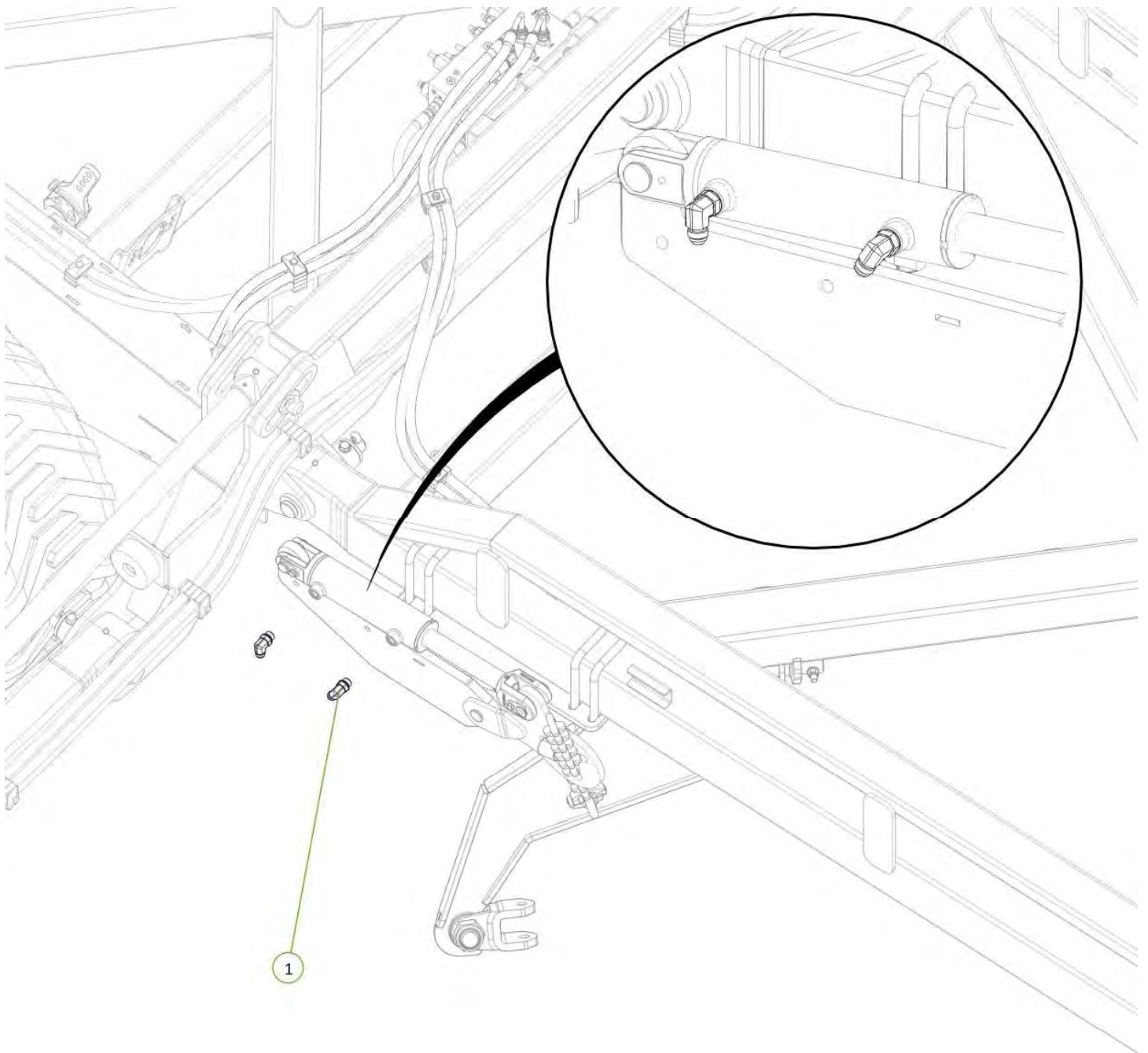


| Item No. | Description | Qty | Number |
|----------|--------------------------------|-----|---------------|
| 1 | Compact Module Lift Arm | 1 | 0810-51E |
| 2 | Clevis Pin 25mm x 75mm | 1 | 0801-KE0307-1 |
| 3 | Height Adjustor Retaining Clip | 1 | 0801-KE014 |
| 4 | Washer Flat M24 | 1 | 0231-F24 |
| 5 | Cotter Pin M5 x 50 | 1 | 0261-PINC550 |



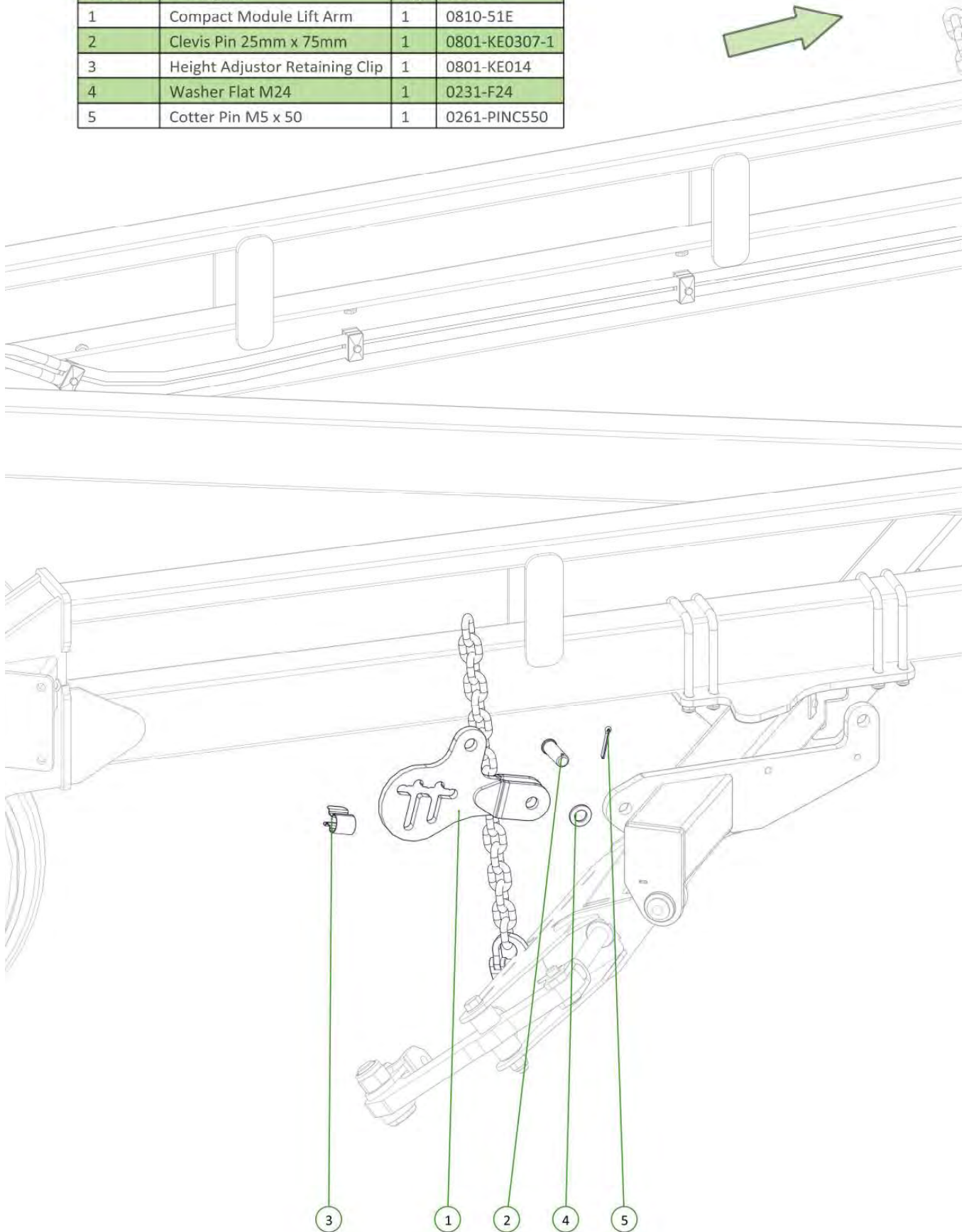
| Item No. | Description | Qty | Number |
|----------|---|-----|------------|
| 1 | 2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder | 1 | 0311-256SP |



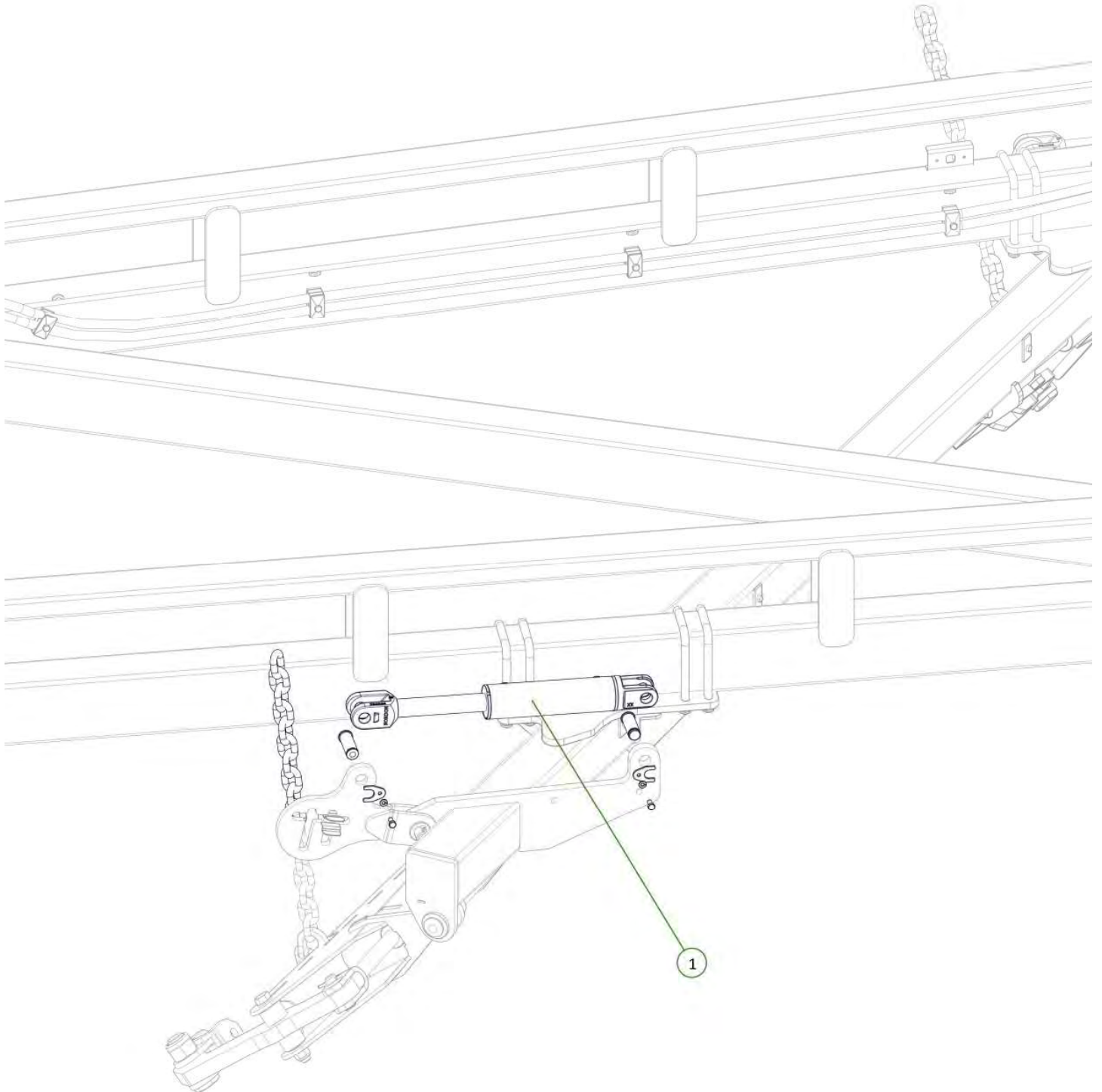


| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2 | 0323-S91-1212 |

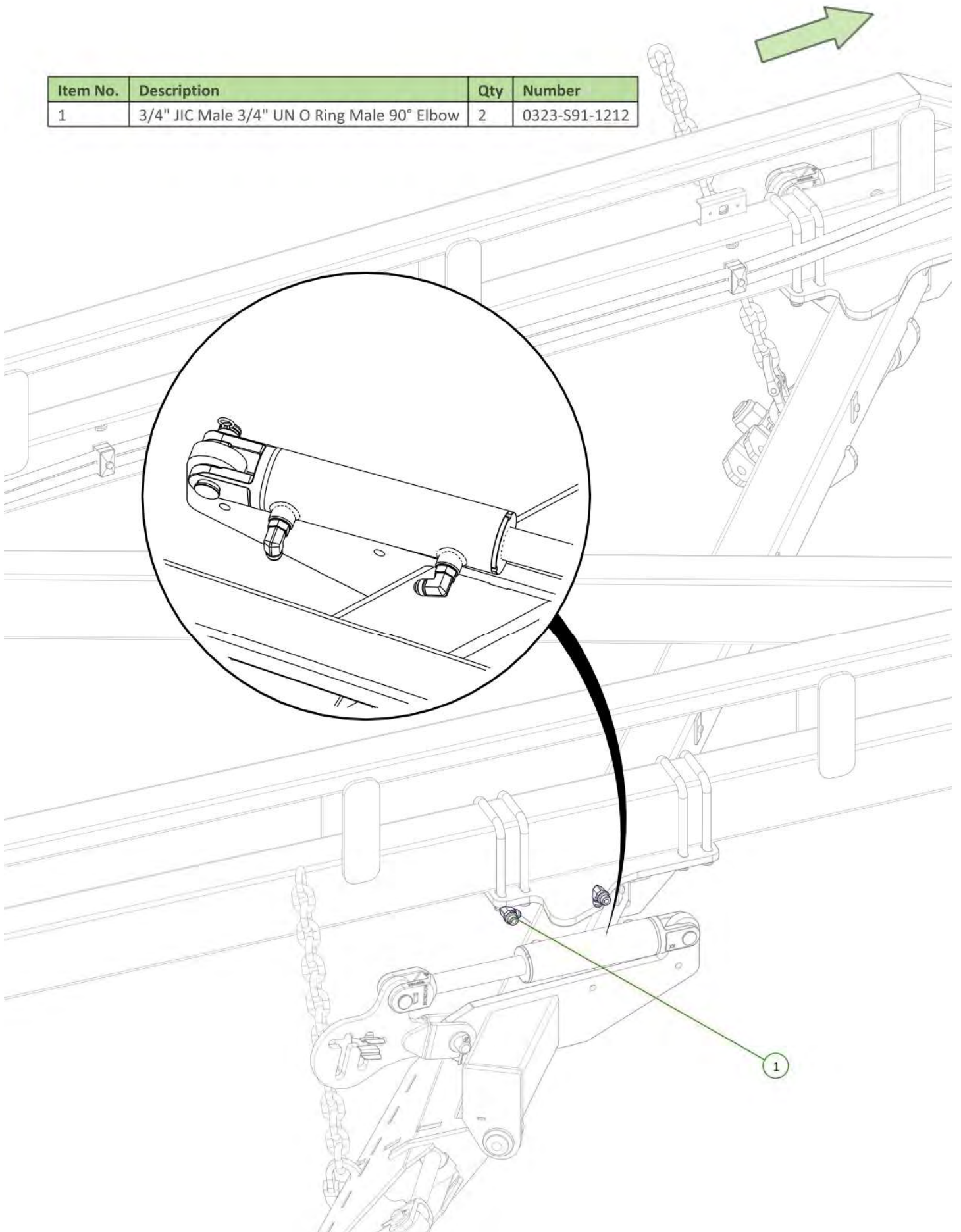
| Item No. | Description | Qty | Number |
|----------|--------------------------------|-----|---------------|
| 1 | Compact Module Lift Arm | 1 | 0810-51E |
| 2 | Clevis Pin 25mm x 75mm | 1 | 0801-KE0307-1 |
| 3 | Height Adjustor Retaining Clip | 1 | 0801-KE014 |
| 4 | Washer Flat M24 | 1 | 0231-F24 |
| 5 | Cotter Pin M5 x 50 | 1 | 0261-PINC550 |



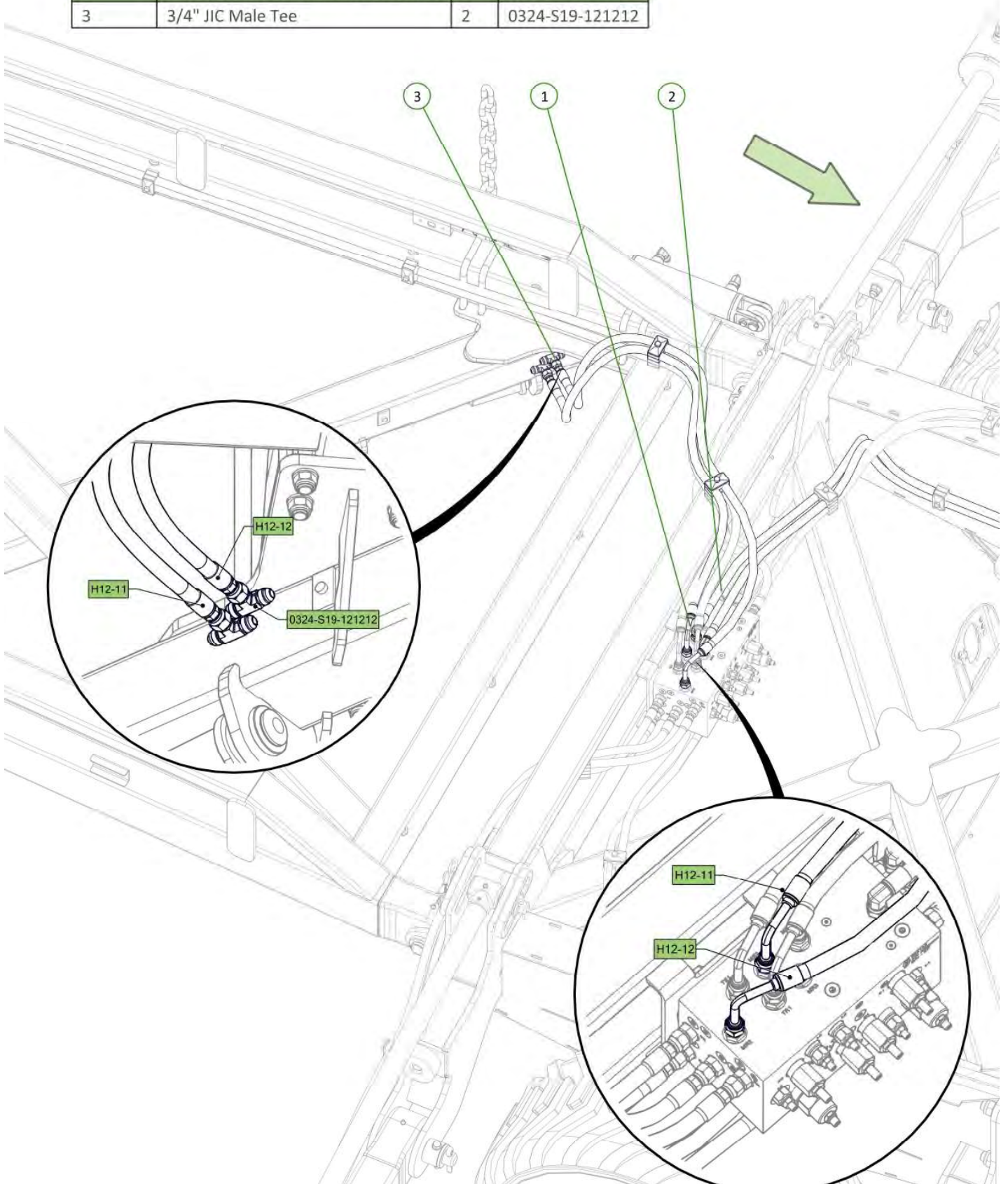
| Item No. | Description | Qty | Number |
|----------|---|-----|------------|
| 1 | 2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder | 1 | 0311-256SP |

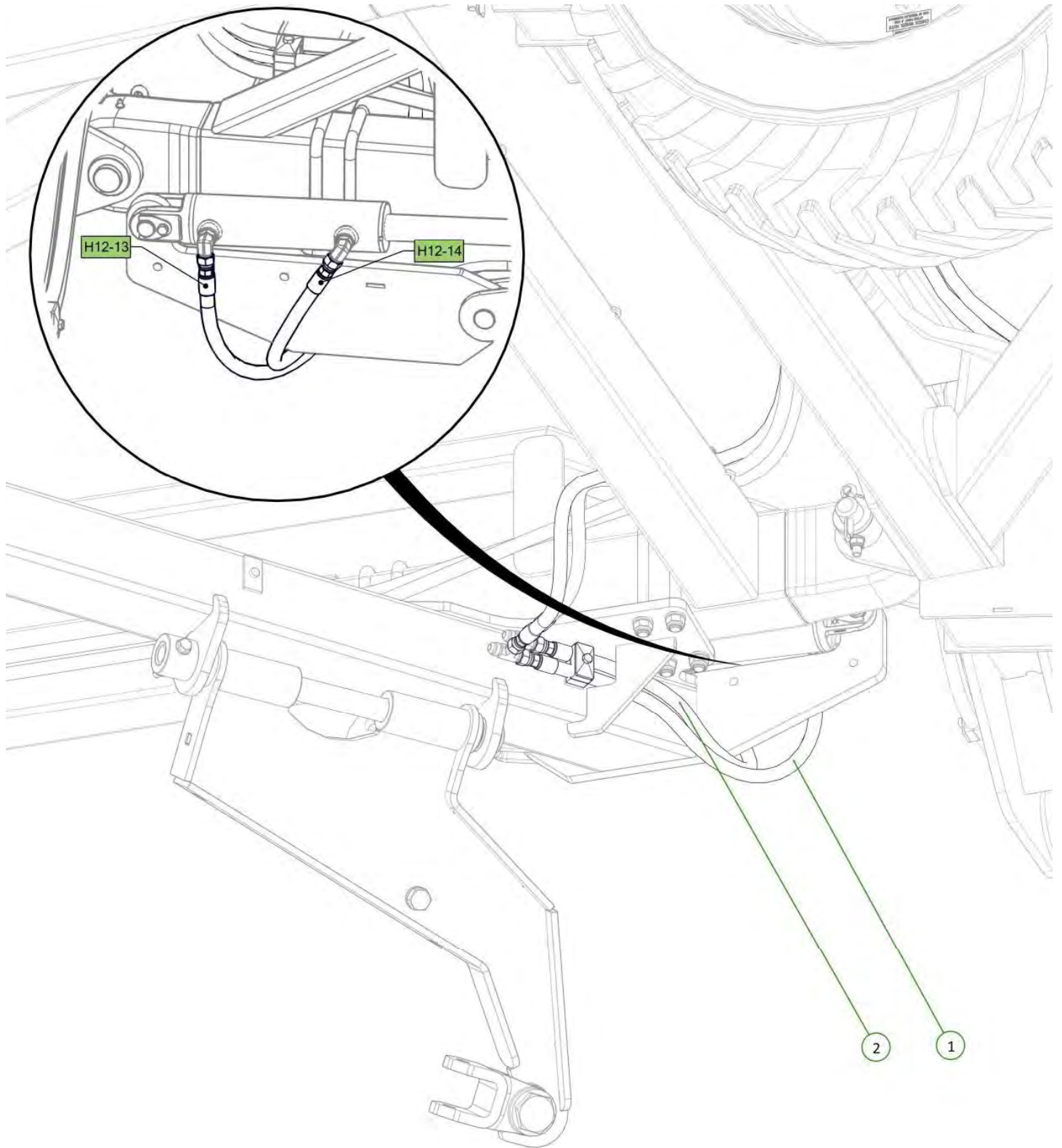


| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | 3/4" JIC Male 3/4" UN O Ring Male 90° Elbow | 2 | 0323-S91-1212 |

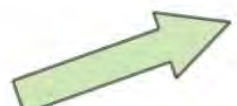


| Item No. | Description | Qty | Number |
|----------|-------------------------------------|-----|-----------------|
| 1 | ME2 Port to Rear Module Extend Tee | 1 | H12-11 |
| 2 | MR2 Port to Rear Module Retract Tee | 1 | H12-12 |
| 3 | 3/4" JIC Male Tee | 2 | 0324-S19-121212 |

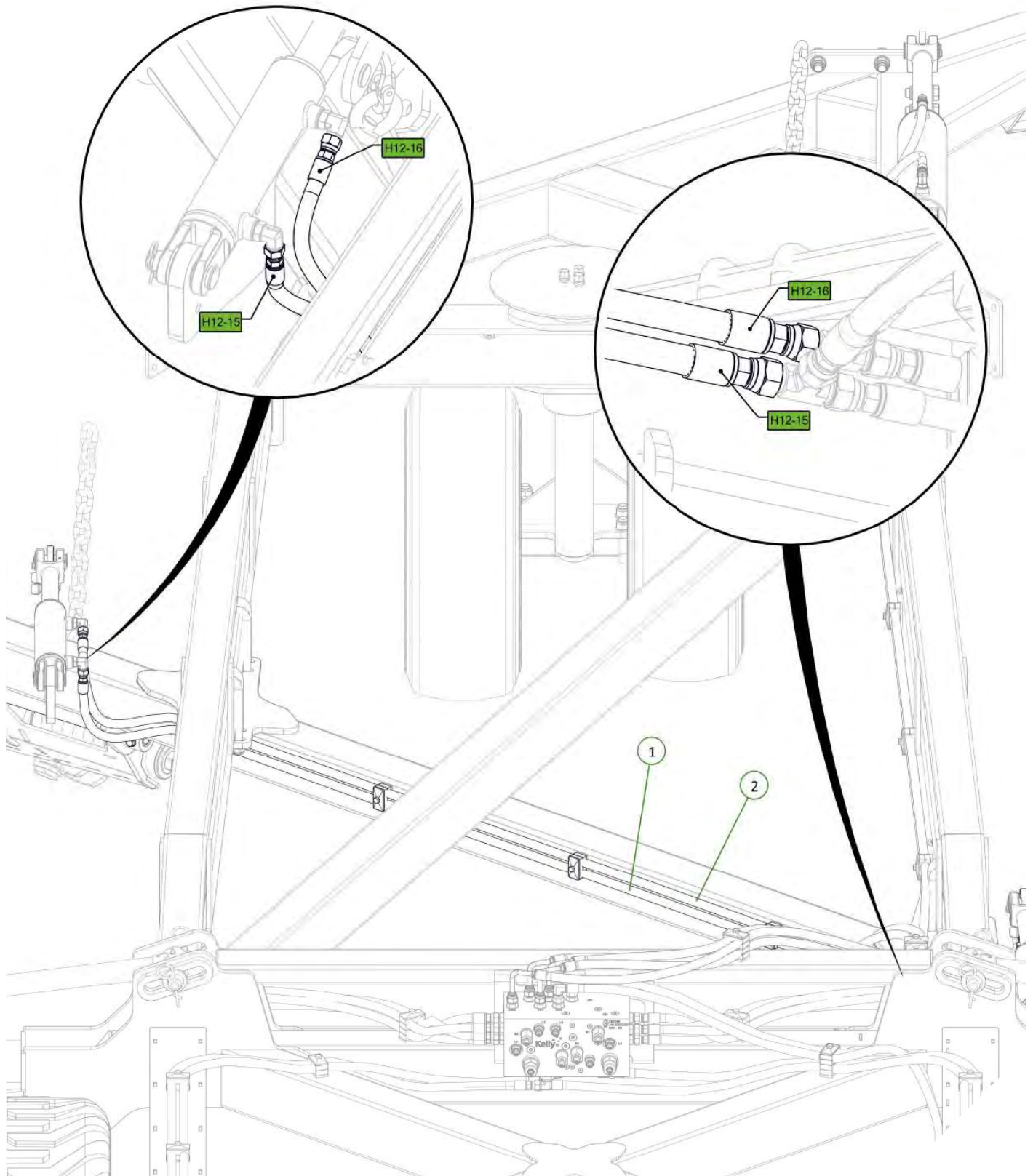




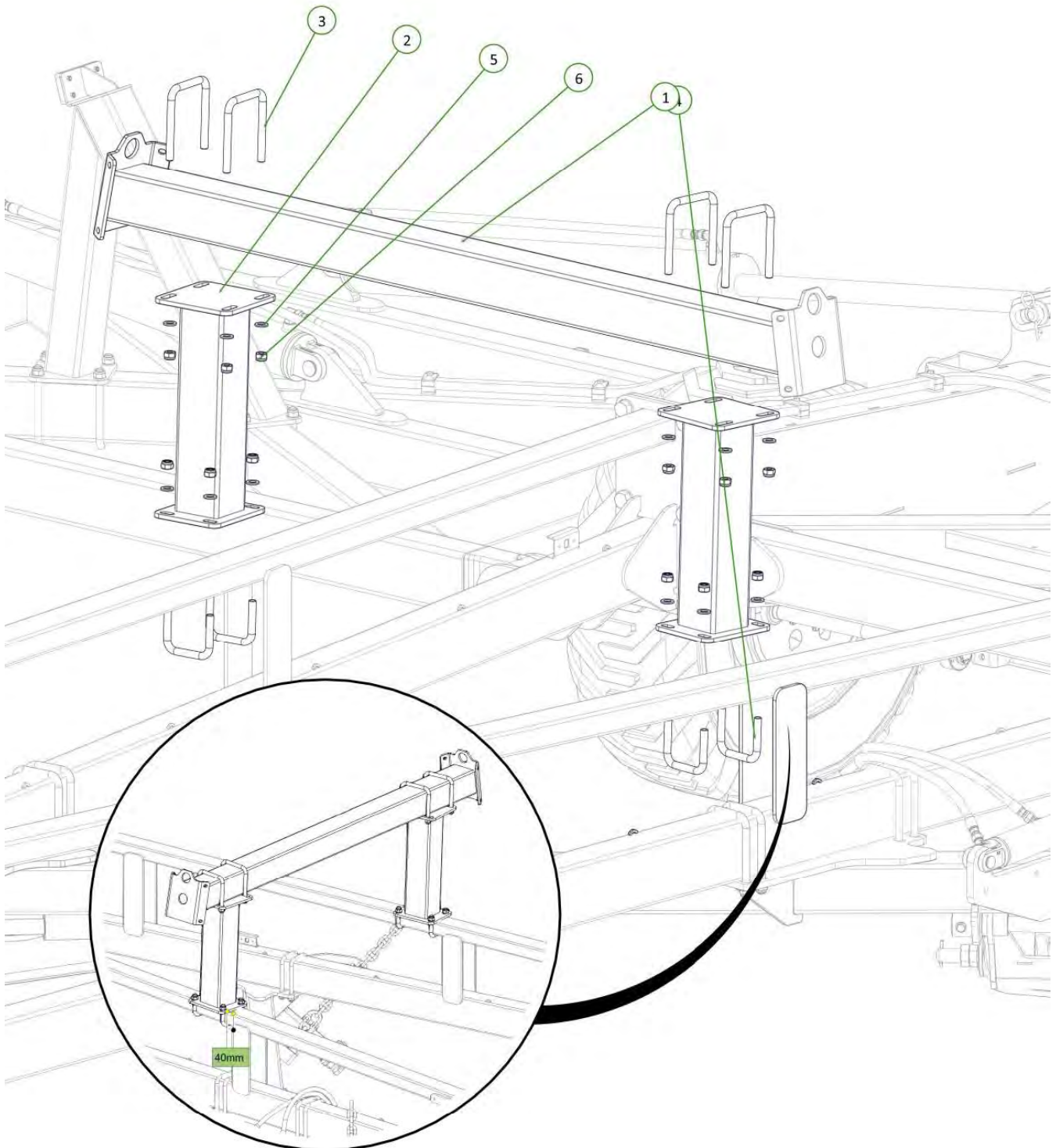
| Item No. | Description | Qty | Number |
|----------|--|-----|--------|
| 1 | Rear Module Extend Tee to LH Rear Module Cyl Extend Port | 1 | H12-13 |
| 2 | Rear Module Retract Tee to LH Rear Module Cyl Retract Port | 1 | H12-14 |



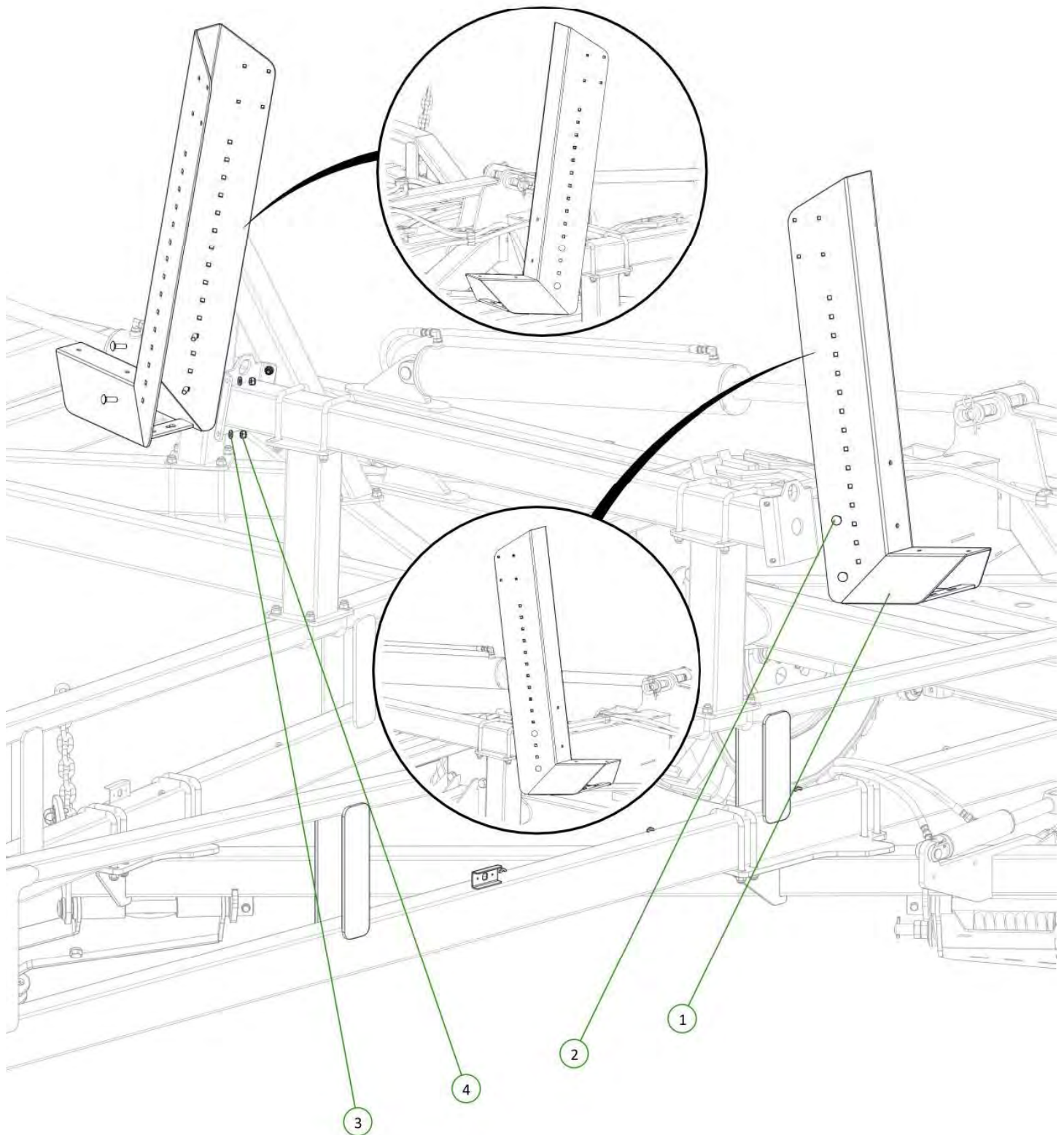
| Item No. | Description | Qty | Number |
|----------|--|-----|--------|
| 1 | Rear Module Extend Tee to RH Rear Module Cyl Extend Port | 1 | H12-15 |
| 2 | Rear Module Retract Tee to RH Rear Module Cyl Retract Port | 1 | H12-16 |



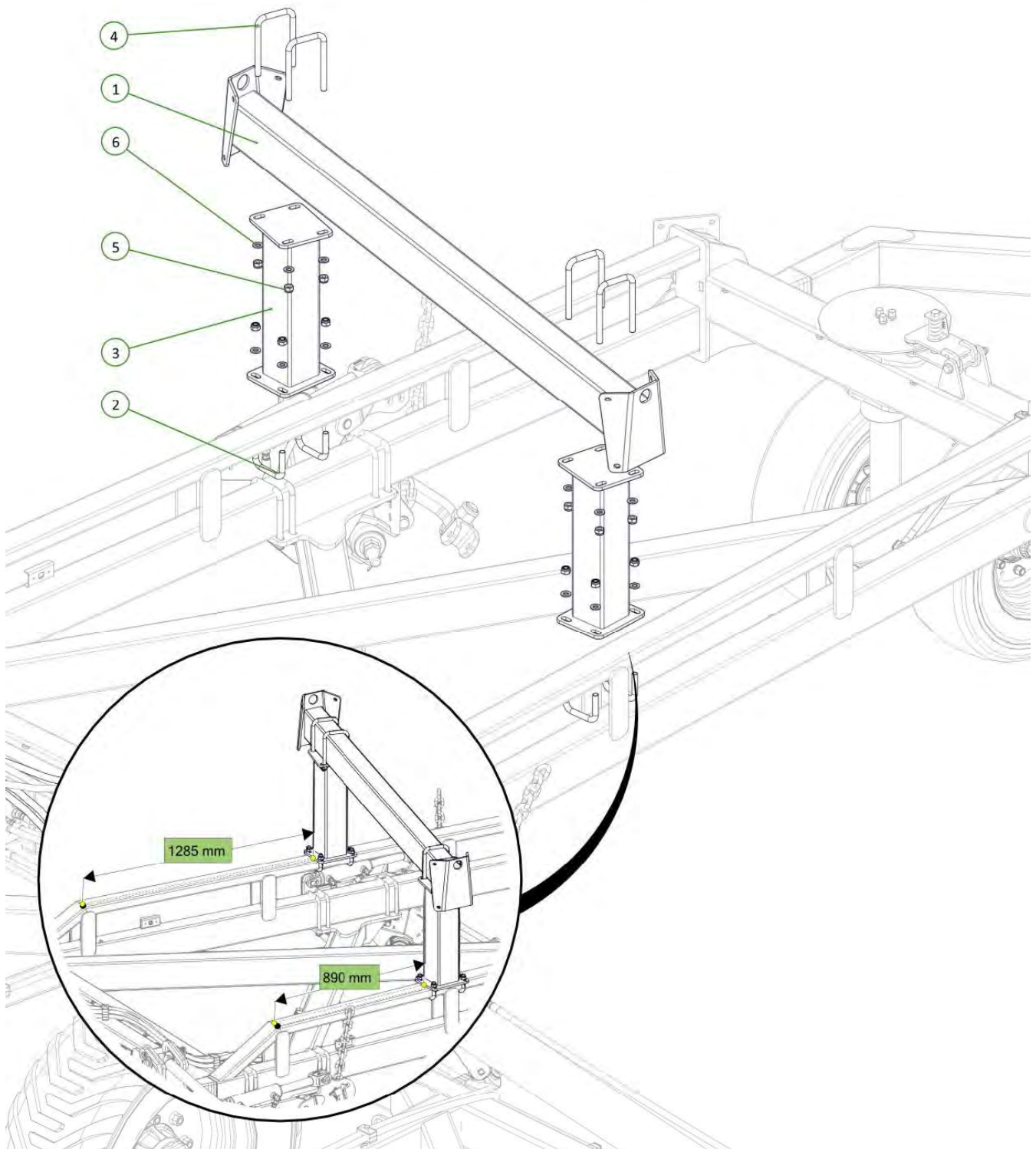
| Item No. | Description | Qty | Number |
|----------|----------------------------------|-----|---------------|
| 1 | Angled Chain Carrier Beam | 1 | 0810-53E |
| 2 | 500mm Pedestal | 2 | 0810-52E |
| 3 | U-Bolt M16 x 160 Deep x 127 Wide | 4 | 0271-16160127 |
| 4 | U-Bolt M16 x 95 Deep x 102 Wide | 4 | 0271-1695102 |
| 5 | Washer Flat M16 | 16 | 0231-F16 |
| 6 | Nyloc Nut M16 | 16 | 0221-NYL16 |



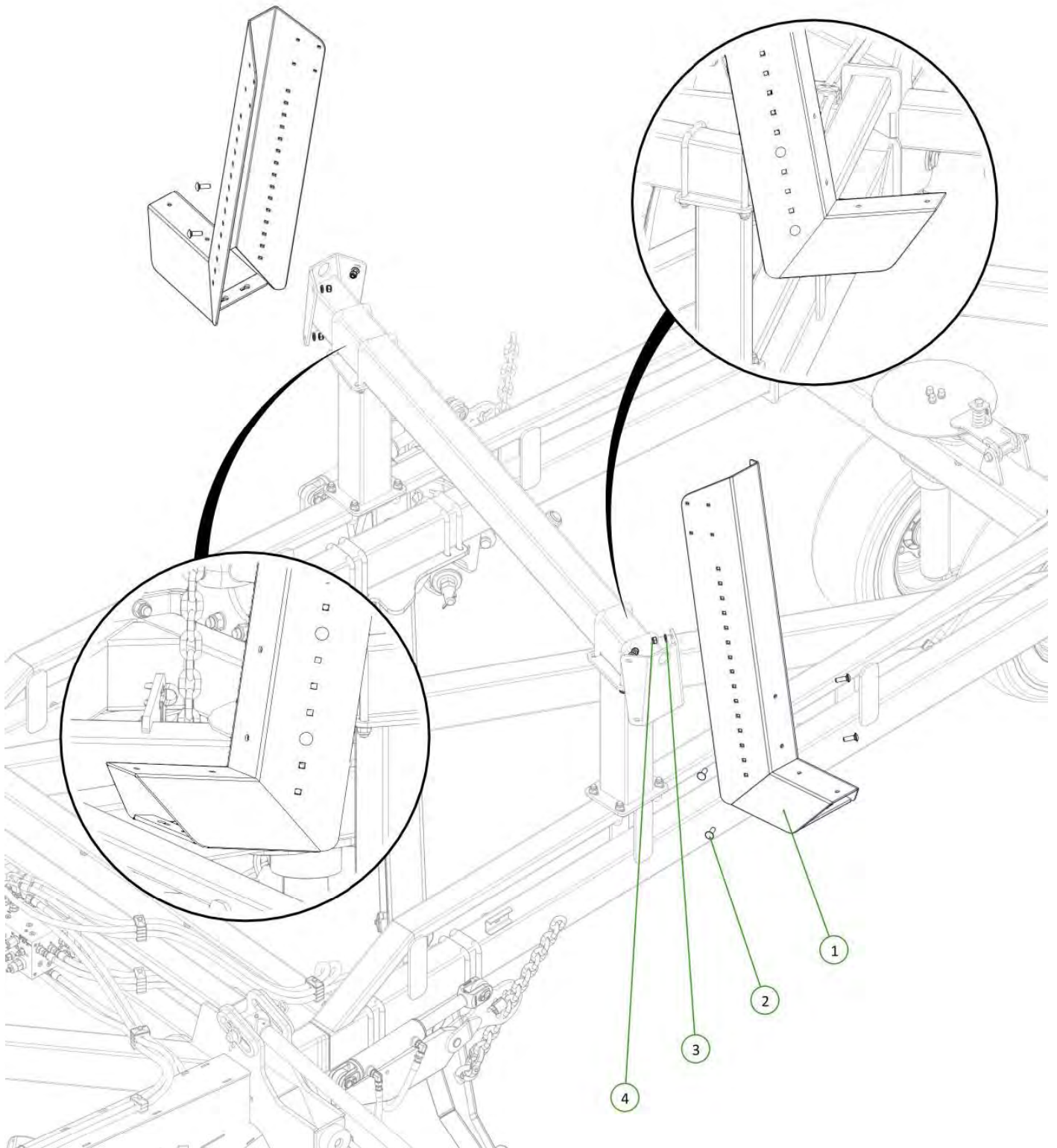
| Item No. | Description | Qty | Number |
|----------|------------------------------------|-----|-------------|
| 1 | Extended Chain Carrier Bolt on End | 2 | 0810-17LEE |
| 2 | M12 x 40 Coach Head Bolt | 8 | 0215-CH1240 |
| 3 | Washer Flat M12 | 6 | 0231-F12 |
| 4 | Nyloc Nut M12 | 6 | 0221-NYL12 |



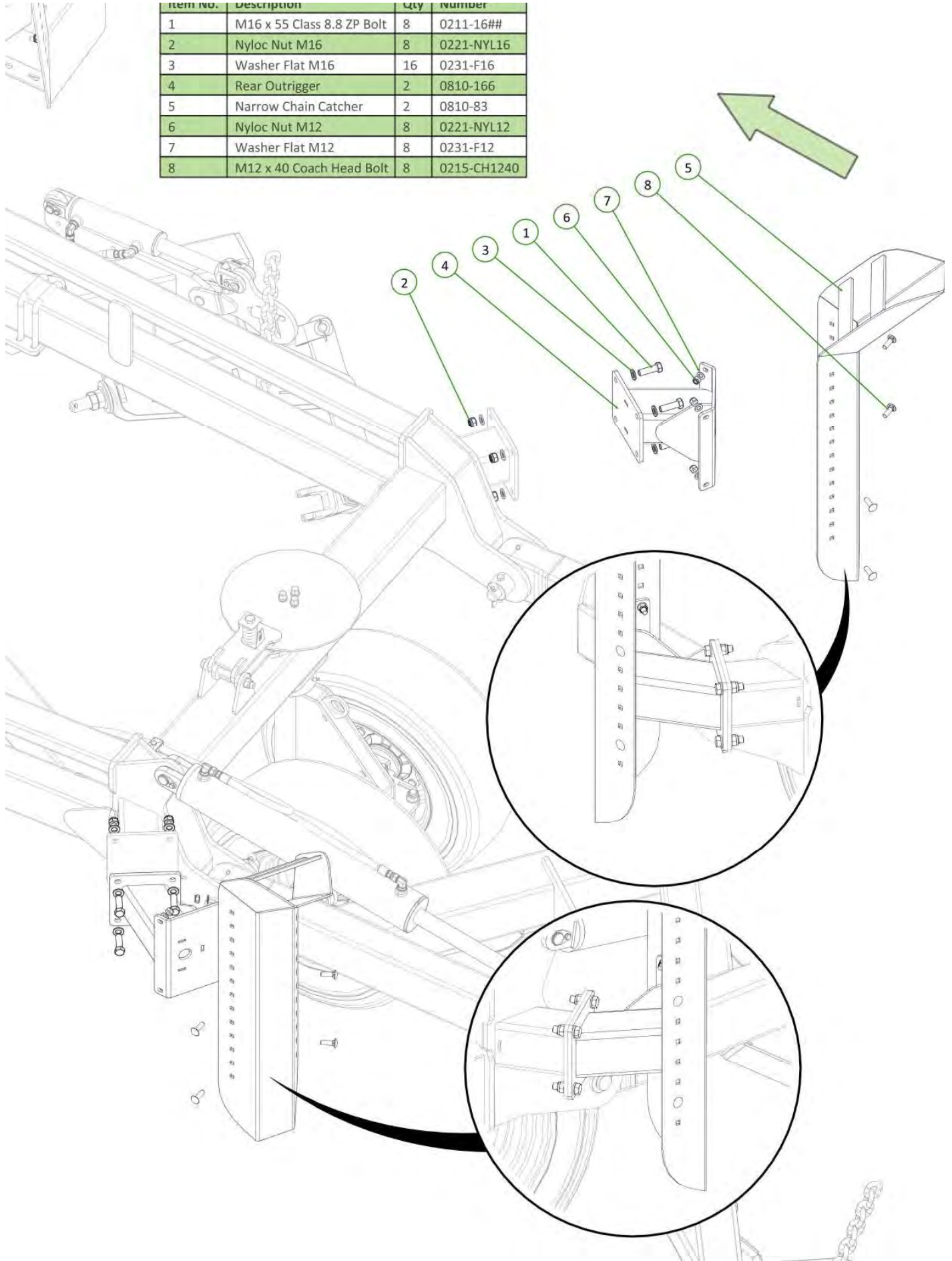
| Item No. | Description | Qty | Number |
|----------|----------------------------------|-----|---------------|
| 1 | Angled Chain Carrier Beam | 1 | 0810-55E |
| 2 | U-Bolt M16 x 104 Wide x 85 Deep | 4 | 0271-1610485 |
| 3 | 500mm Pedestal | 2 | 0810-56E |
| 4 | U-Bolt M16 x 185 Deep x 104 Wide | 4 | 0271-16185104 |
| 5 | Nyloc Nut M16 | 16 | 0221-NYL16 |
| 6 | Washer Flat M16 | 16 | 0231-F16 |

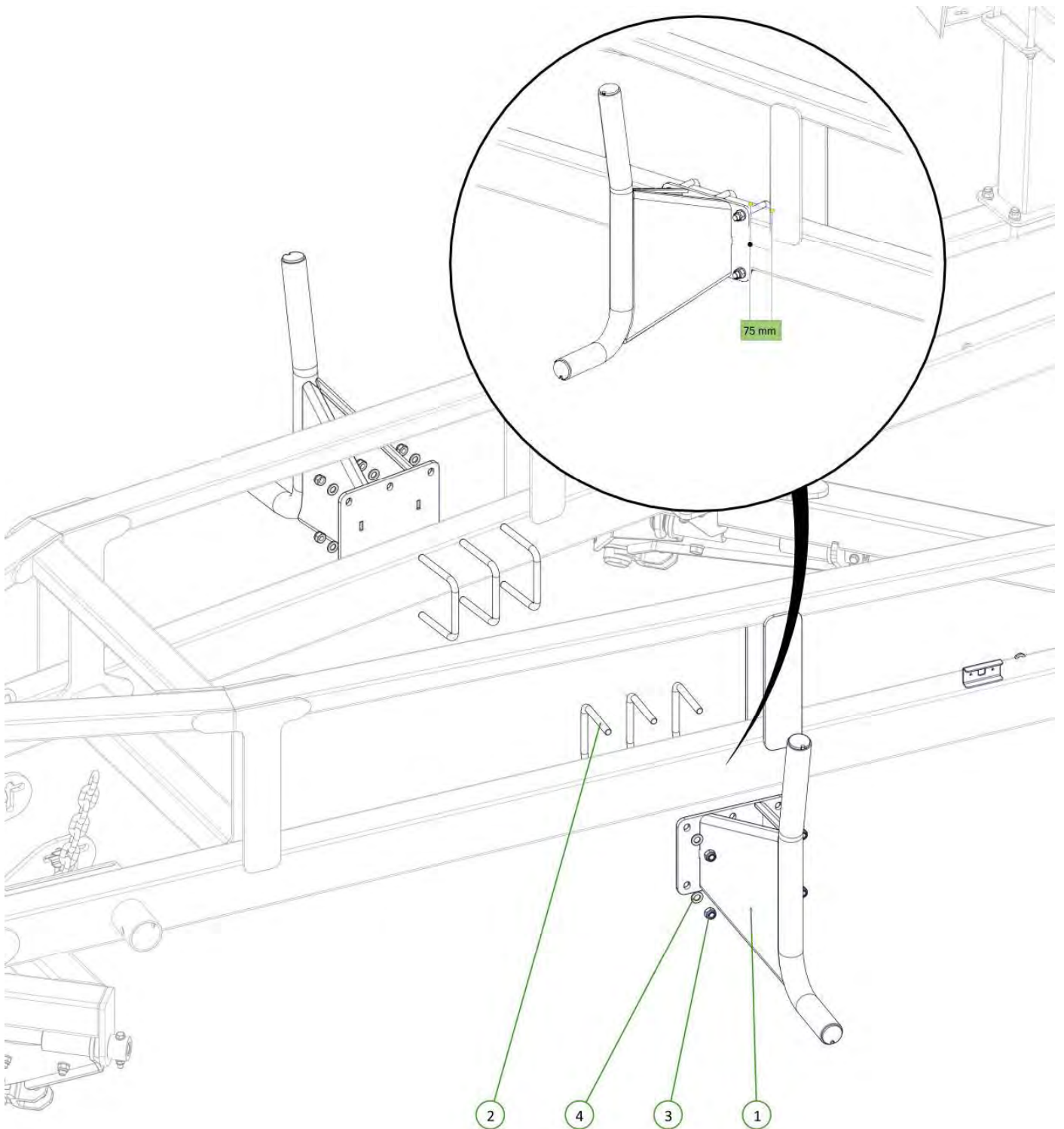


| Item No. | Description | Qty | Number |
|----------|------------------------------------|-----|------------|
| 1 | Extended Chain Carrier Bolt on End | 2 | 0810-17LEE |
| 2 | M12 x 40 Coach Head Bolt | 8 | 0215-CH12 |
| 3 | Washer Flat M12 | 7 | 0231-F12 |
| 4 | Nyloc Nut M12 | 7 | 0221-NYL12 |



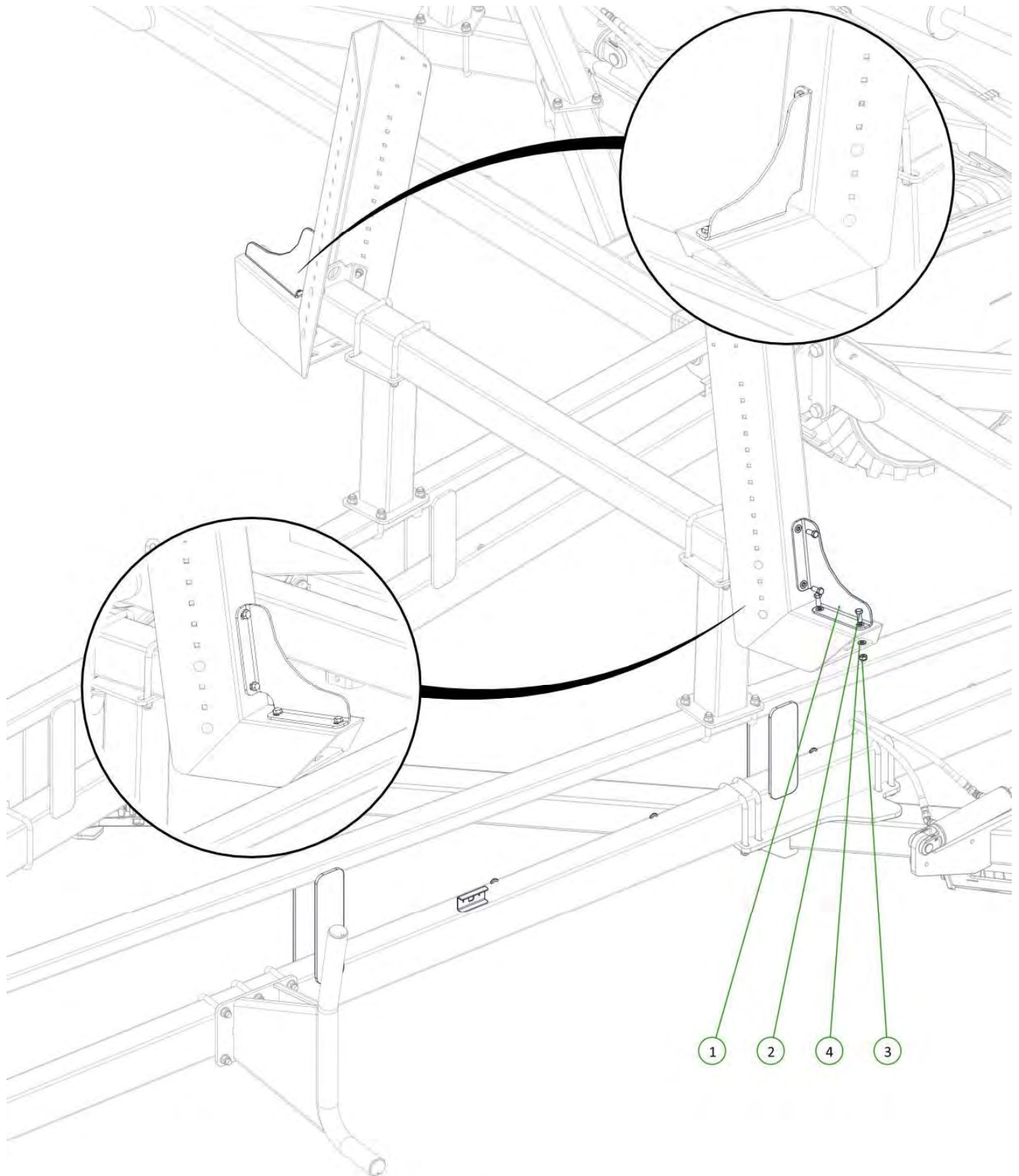
| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|-------------|
| 1 | M16 x 55 Class 8.8 ZP Bolt | 8 | 0211-16## |
| 2 | Nyloc Nut M16 | 8 | 0221-NYL16 |
| 3 | Washer Flat M16 | 16 | 0231-F16 |
| 4 | Rear Outrigger | 2 | 0810-166 |
| 5 | Narrow Chain Catcher | 2 | 0810-83 |
| 6 | Nyloc Nut M12 | 8 | 0221-NYL12 |
| 7 | Washer Flat M12 | 8 | 0231-F12 |
| 8 | M12 x 40 Coach Head Bolt | 8 | 0215-CH1240 |





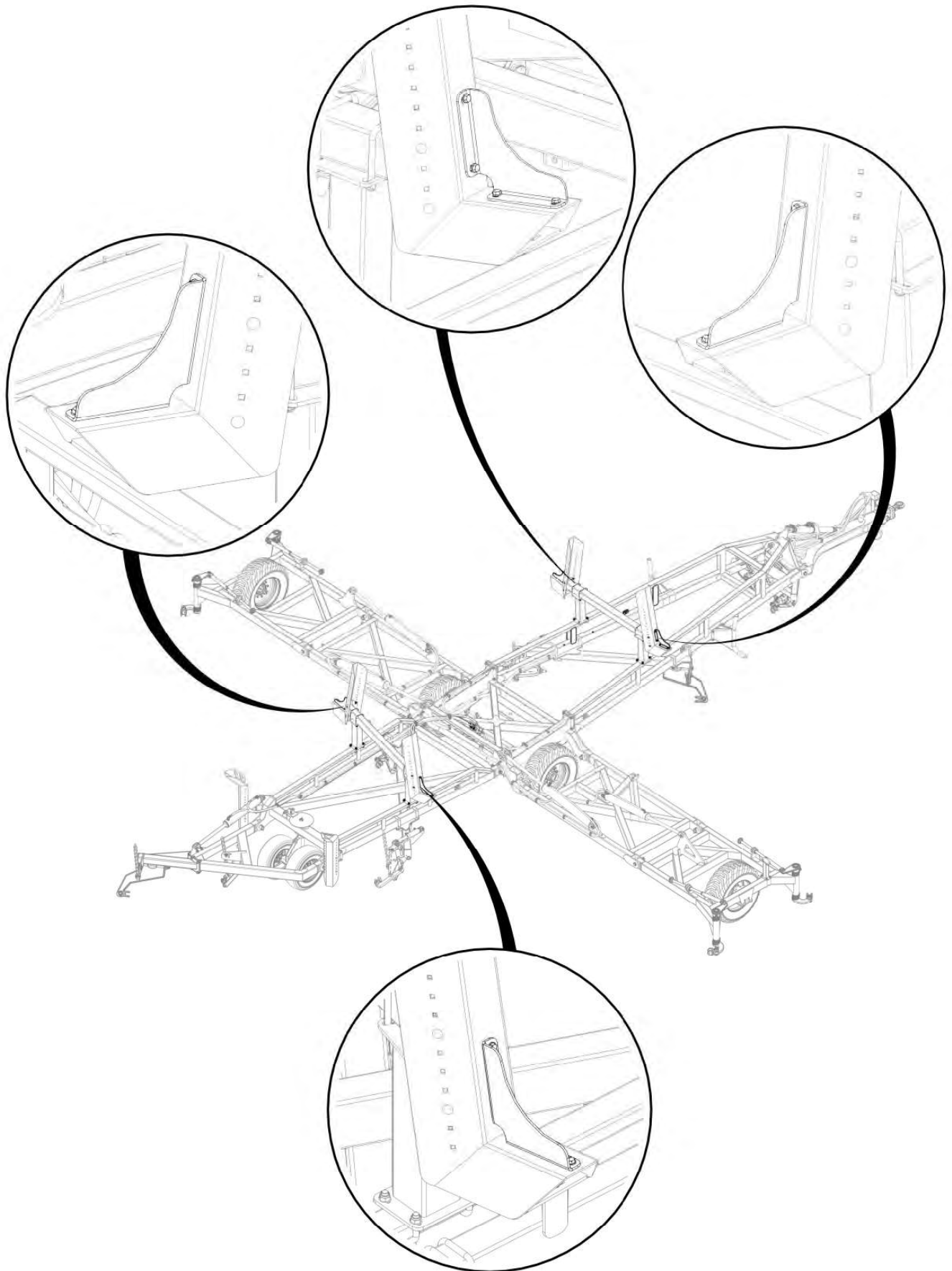
| Item No. | Description | Qty | Number |
|----------|----------------------------------|-----|---------------|
| 1 | Outrigger | 2 | 0810-42E |
| 2 | U-Bolt M16 x 140 Deep x 154 Wide | 6 | 0271-16140154 |
| 3 | Nyloc Nut M16 | 12 | 0221-NYL16 |
| 4 | Washer Flat M16 | 12 | 0231-F16 |



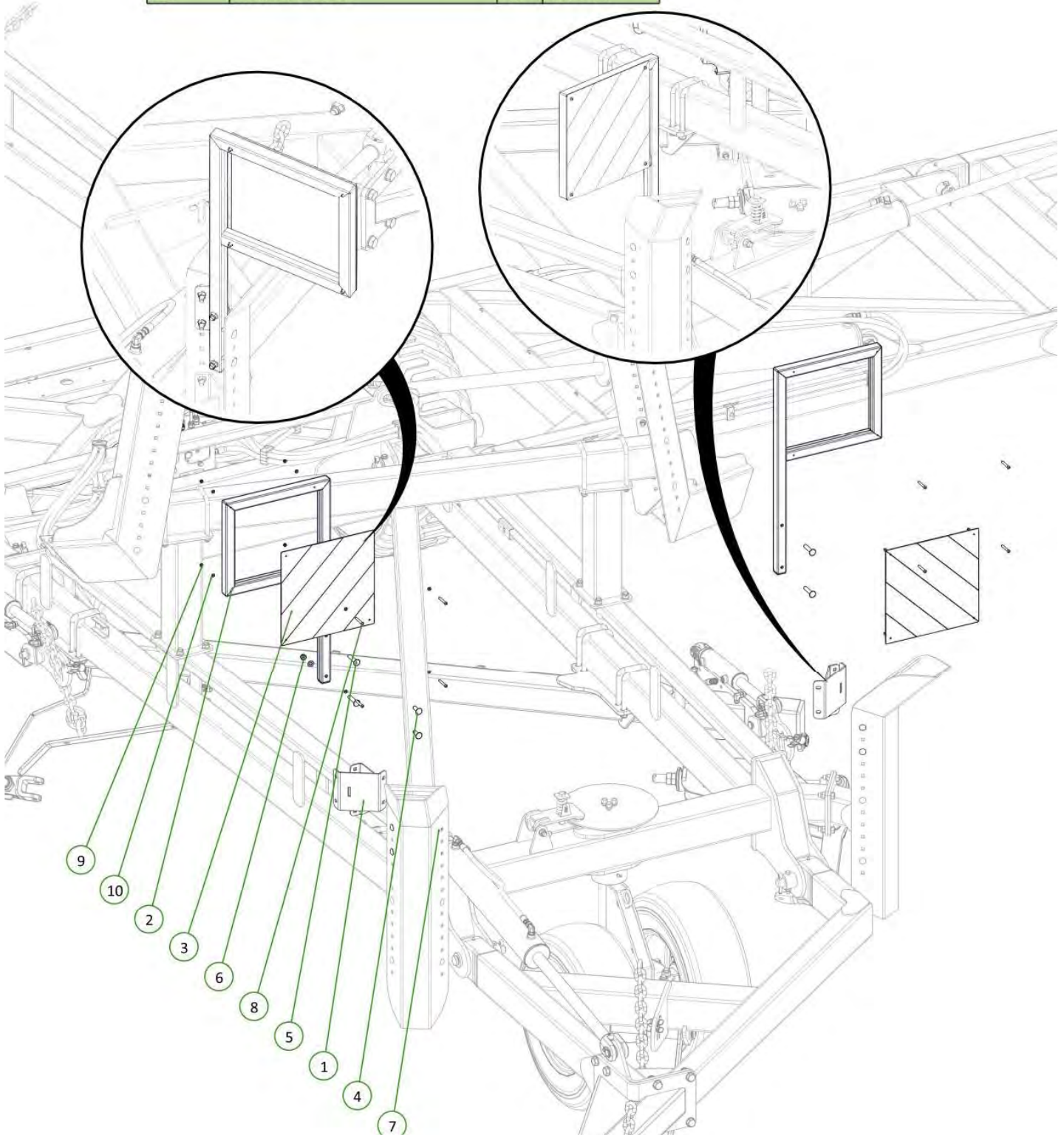


| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------|
| 1 | Chain Retainer Plate | 2 | 0800-360 |
| 2 | M12 x 30 Class 8.8 ZP Bolt | 8 | 0211-1230 |
| 3 | Nyloc Nut M12 | 8 | 0221-NYL12 |
| 4 | Washer Flat M12 | 16 | 0231-F12 |

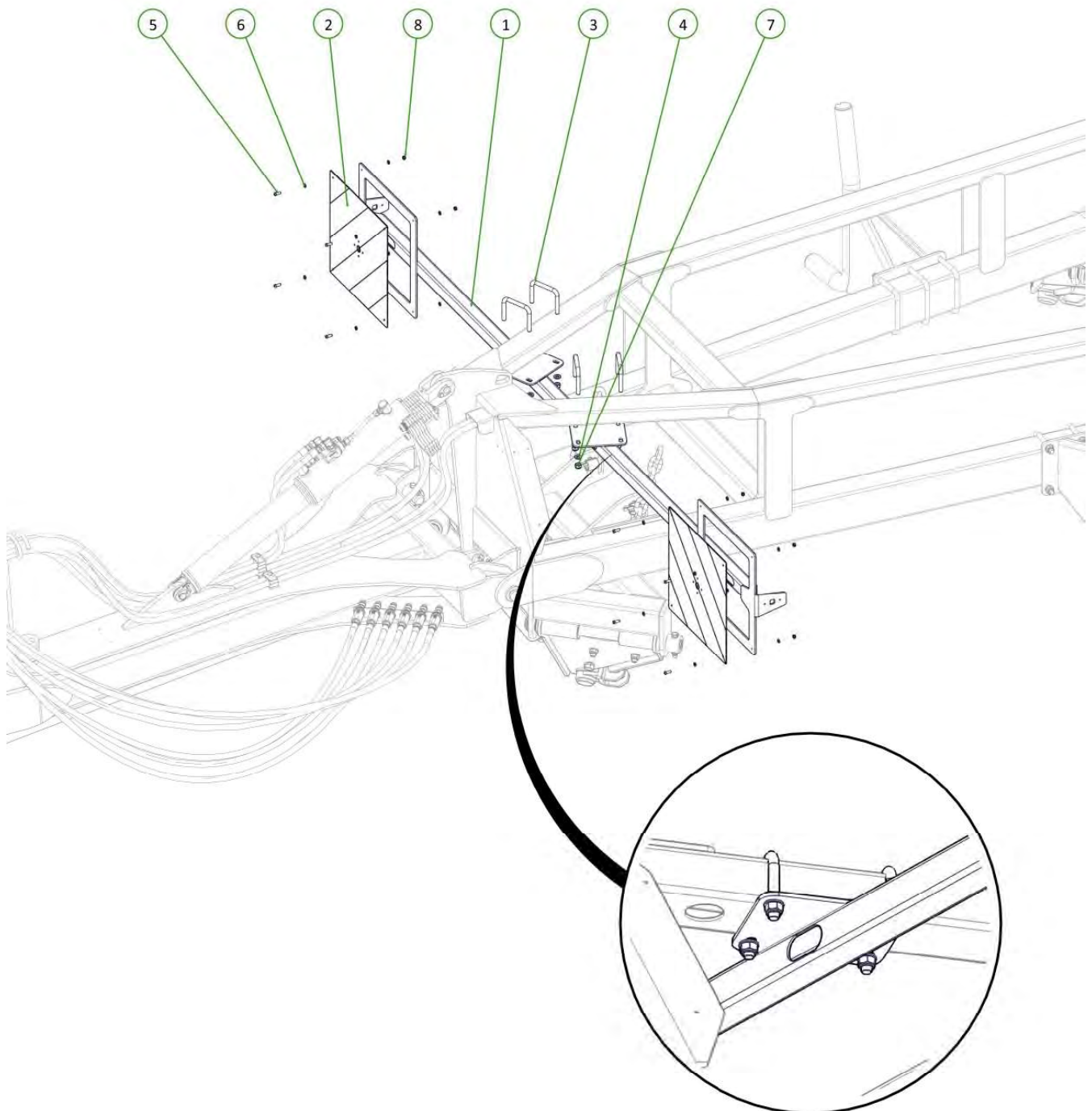


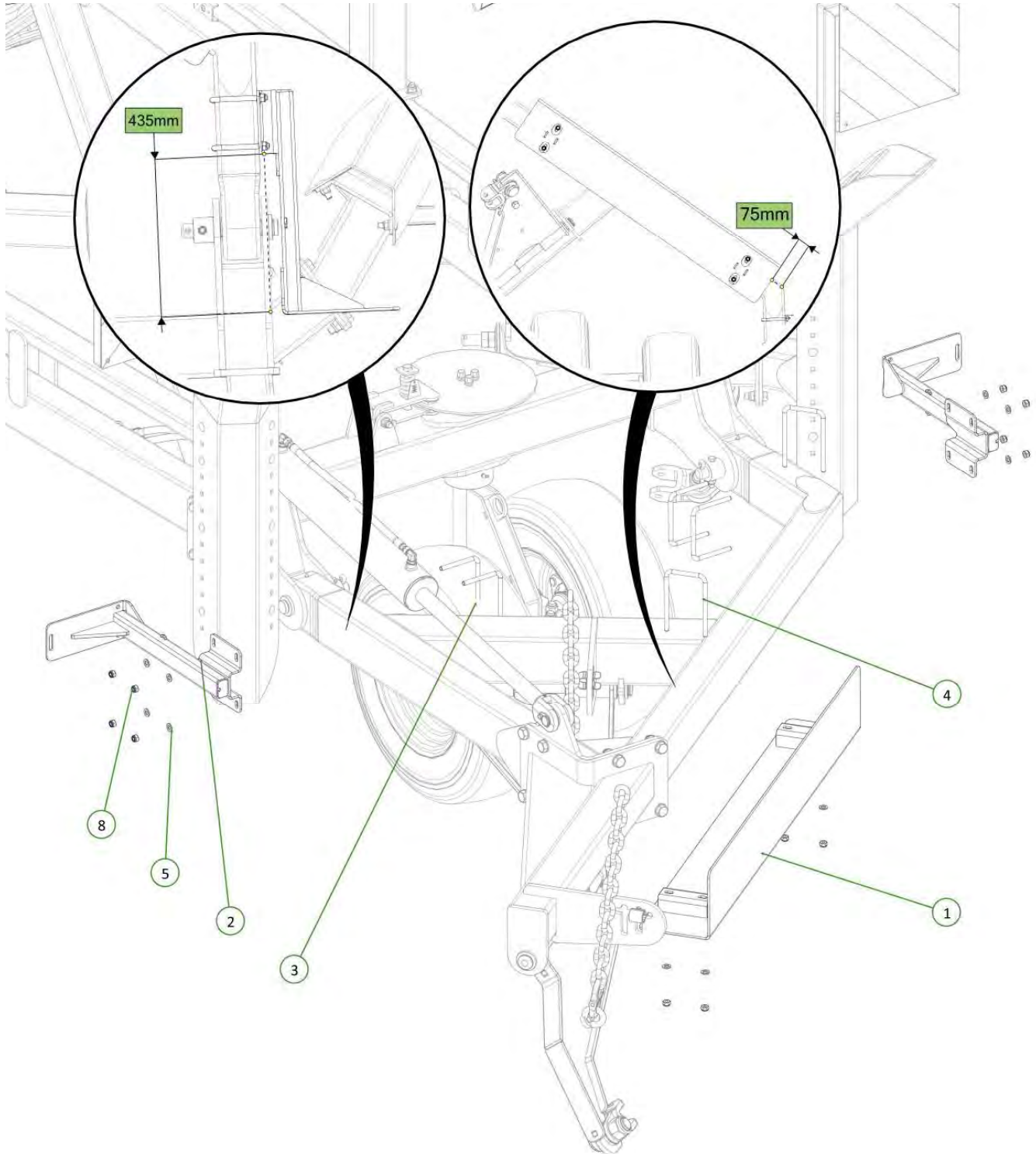


| Item No. | Description | Qty | Number |
|----------|--------------------------------|-----|-------------|
| 1 | Oversize Sign Mounting Bracket | 2 | 1510-322 |
| 2 | 12m Rear OS Sign | 2 | 1510-44 |
| 3 | European Oversize Sign 2 | 2 | 1501-EUOS2 |
| 4 | M12 x 40 Coach Head Bolt | 8 | 0215-CH12 |
| 5 | M12 x 65 Coach Head Bolt | 4 | 0215-CH1265 |
| 6 | Nyloc Nut M12 | 12 | 0221-NYL12 |
| 7 | Washer Flat M12 | 12 | 0231-F12 |
| 8 | Button Head Screw M6 x 55mm ZP | 8 | 0211-0655BH |
| 9 | Nyloc Nut M6 | 8 | 0221-NYL6 |
| 10 | Washer Flat M6 | 16 | 0231-F6 |



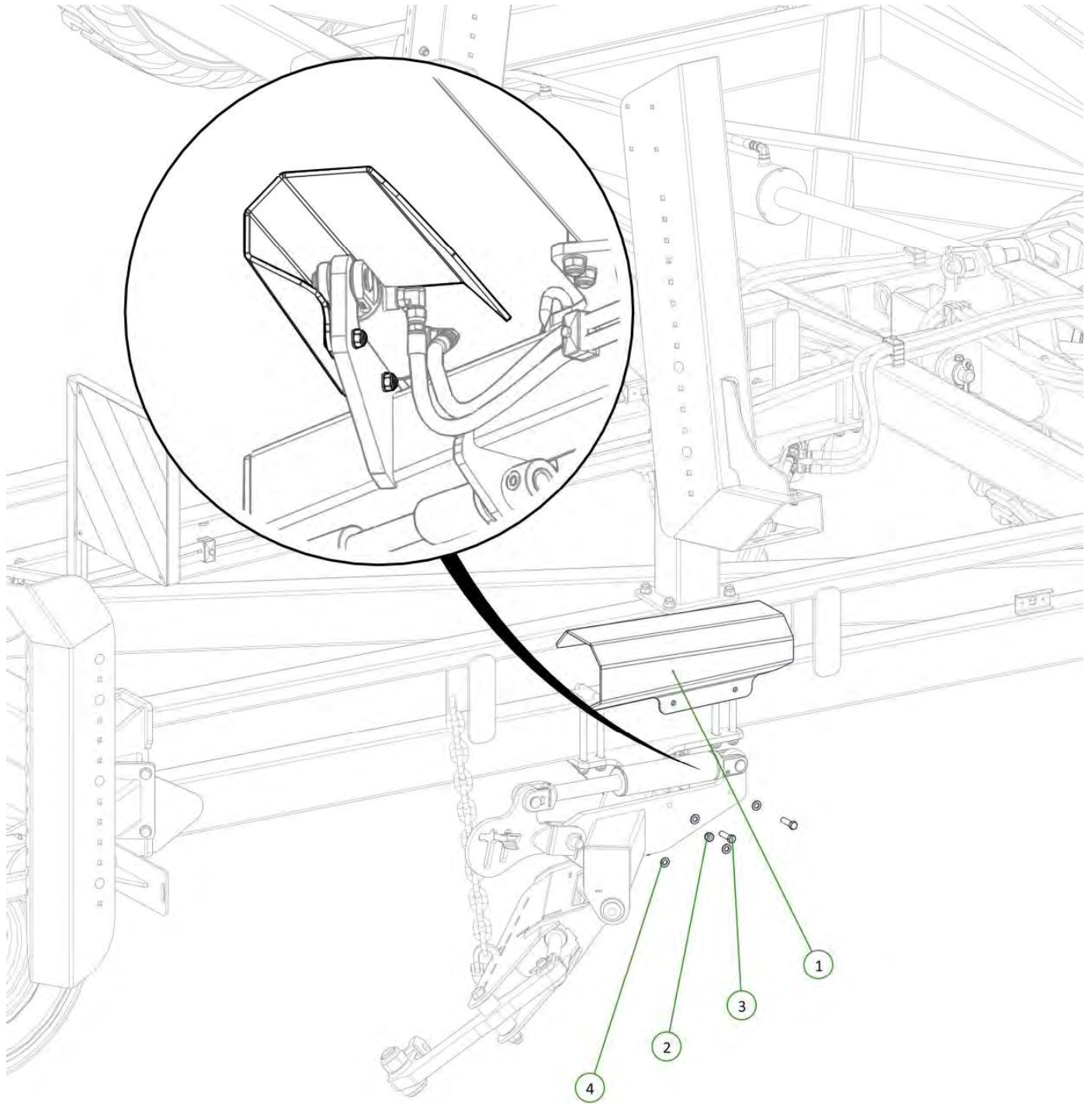
| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|--------------|
| 1 | EU Front Oversize Sign | 1 | 1510-42 |
| 2 | European Oversize Sign 3 | 2 | 1501-EUOS3 |
| 3 | U-Bolt M12 x 85 Deep x 102 Wide | 4 | 0271-1285102 |
| 4 | Washer Flat M12 | 8 | 0231-F12 |
| 5 | M6 x 20 Button Head Bolt ZP | 8 | 0211-0620BH |
| 6 | Washer Flat M6 | 16 | 0231-F6 |
| 7 | Nyloc Nut M12 | 8 | 0221-NYL12 |
| 8 | Nyloc Nut M6 | 8 | 0221-NYL6 |





| Item No. | Description | Qty | Number |
|----------|----------------------------------|-----|---------------|
| 1 | Rear Tail Guard | 1 | 1610-188 |
| 2 | Tail Light Bracket | 2 | 1510-647 |
| 3 | U-Bolt M12 x 125 Deep x 152 Wide | 4 | 0271-12125152 |
| 4 | U-Bolt M12 x 188 Deep x 106 Wide | 2 | 0271-12185104 |
| 5 | Washer Flat M12 | 12 | 0231-F12 |
| 8 | Nyloc Nut M12 | 12 | 0221-NYL12 |

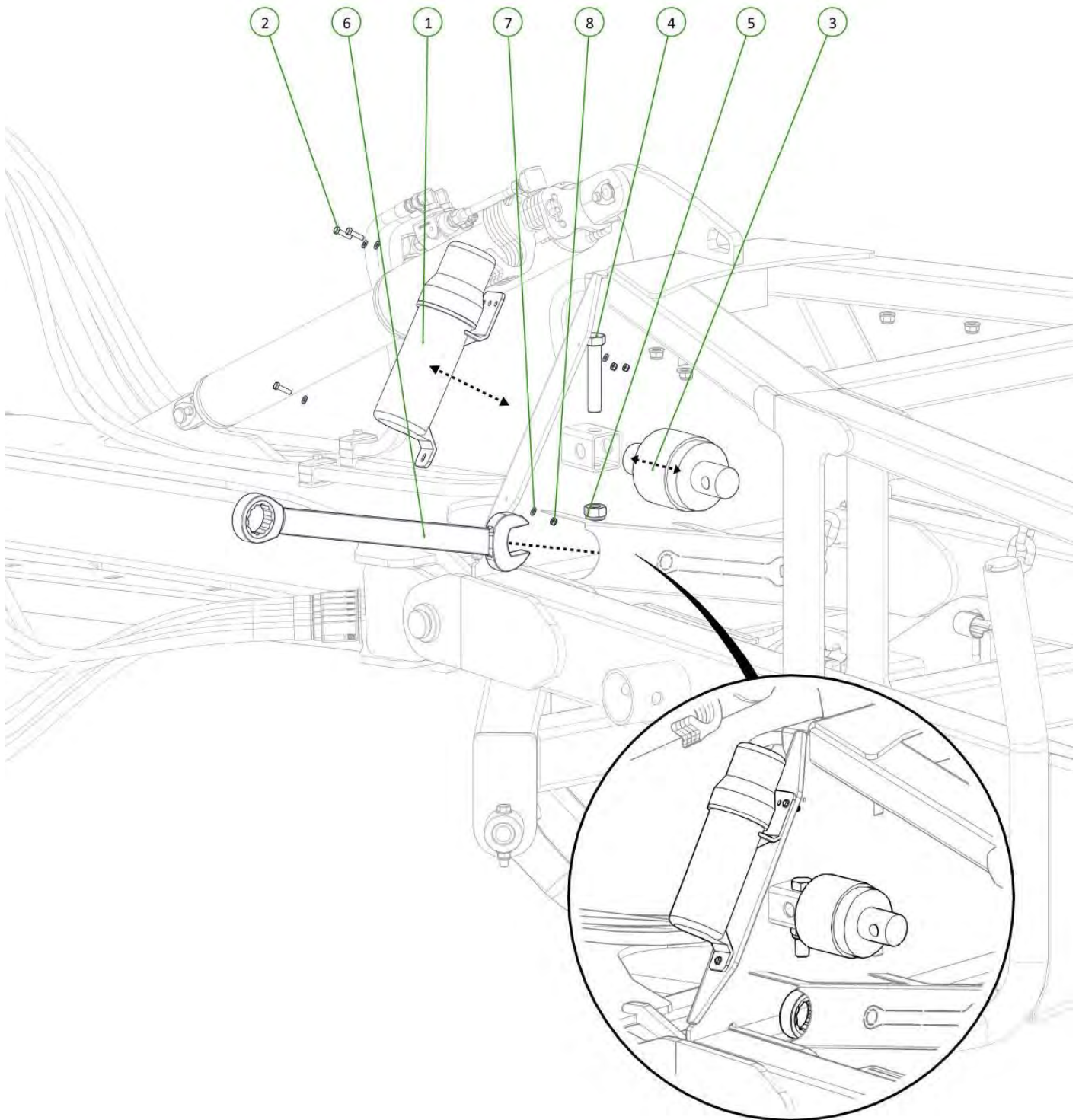




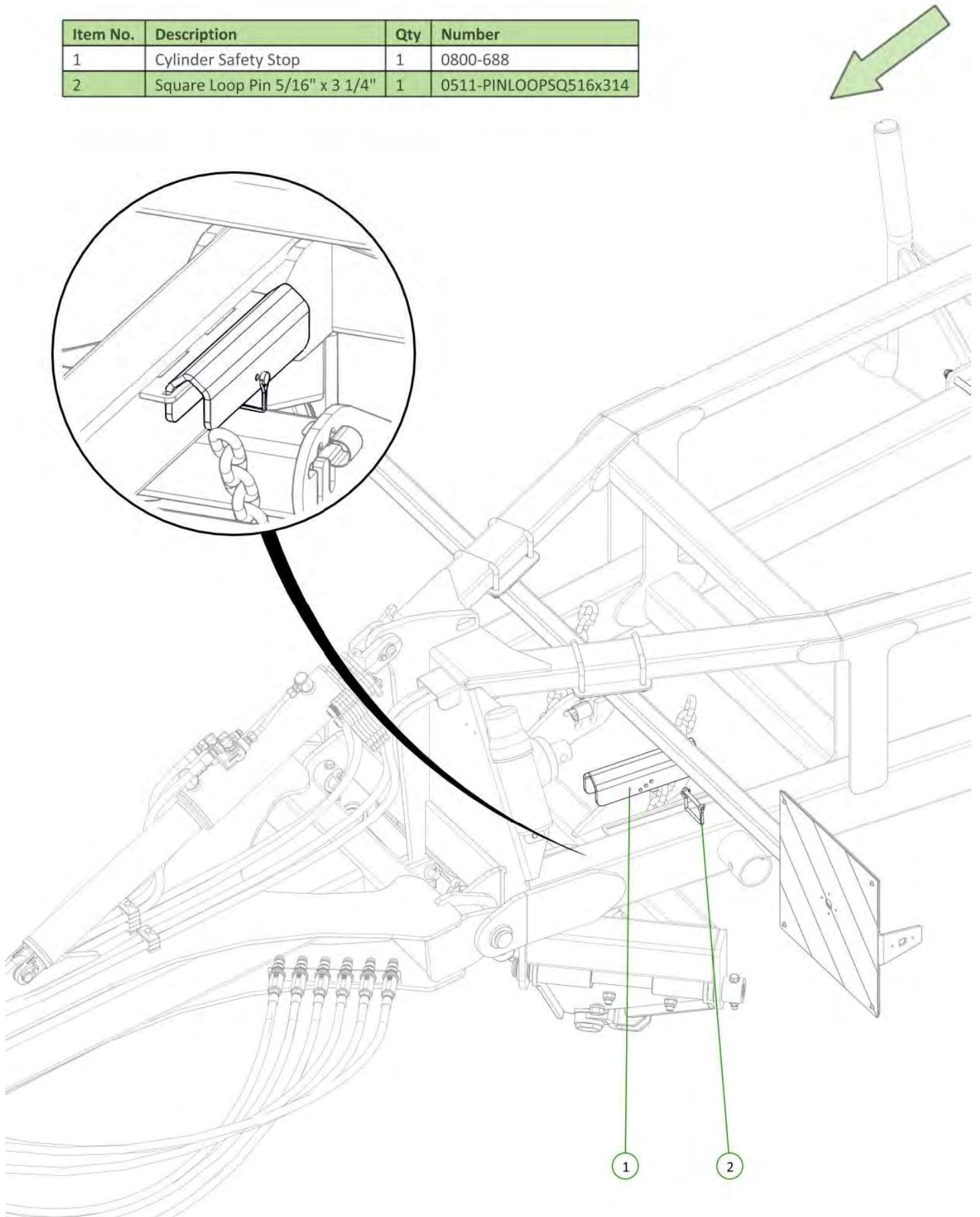
| Item No. | Description | Qty | Number |
|----------|----------------------------|-----|------------|
| 1 | Module Cylinder Guard | 1 | 0800-167.3 |
| 2 | Nyloc Nut M12 | 2 | 0221-NYL12 |
| 3 | M12 x 45 grade 8.8 ZP Bolt | 2 | 0211-1245 |
| 4 | Washer Flat M12 | 4 | 0231-F12 |

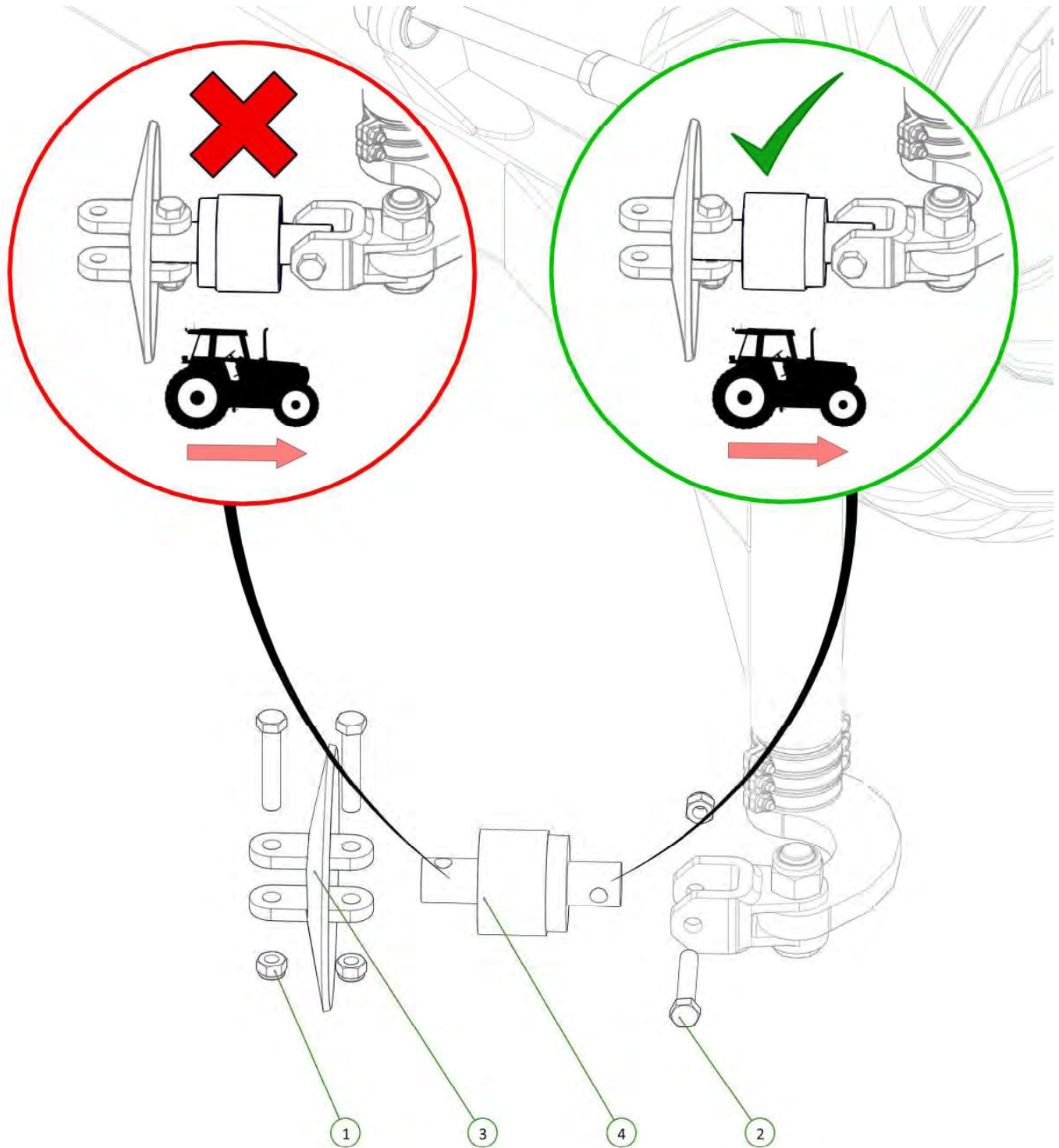


| Item No. | Description | Qty | Number |
|----------|---|-----|---------------|
| 1 | Operator Manual Cannister | 1 | 0801-OMC-1 |
| 2 | M6 x 1 x 25mm Grade 4.6 ZP Bolt | 3 | 0211-625 |
| 3 | 20mm Bolt Swivel Unit | 1 | 0802-PCHB55 |
| 4 | M20 x 110 grade 10.9 ZP Short Thread Bolt | 1 | 0211-20110 ST |
| 5 | Nyloc Nut M20 | 1 | 0221-NYL20 |
| 6 | Ratcheting Gear Wrench 1 3/4" | 1 | 0802-GW1 3-4 |
| 7 | Washer Flat M6 | 6 | 0231-F6 |
| 8 | Nyloc Nut M6 | 3 | 0221-NYL6 |

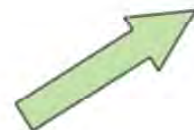


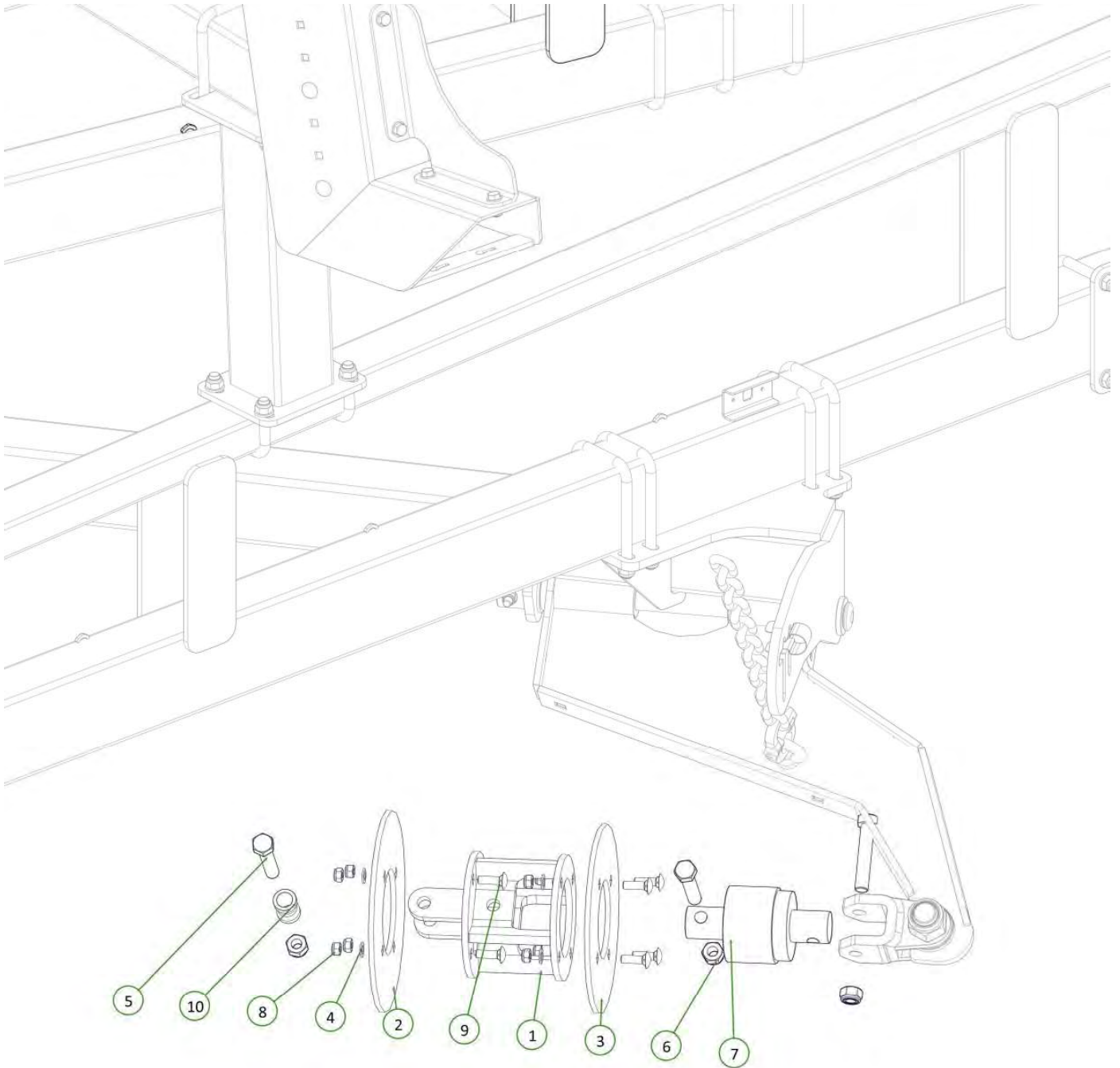
| Item No. | Description | Qty | Number |
|----------|--------------------------------|-----|-----------------------|
| 1 | Cylinder Safety Stop | 1 | 0800-688 |
| 2 | Square Loop Pin 5/16" x 3 1/4" | 1 | 0511-PINLOOPSQ516x314 |





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





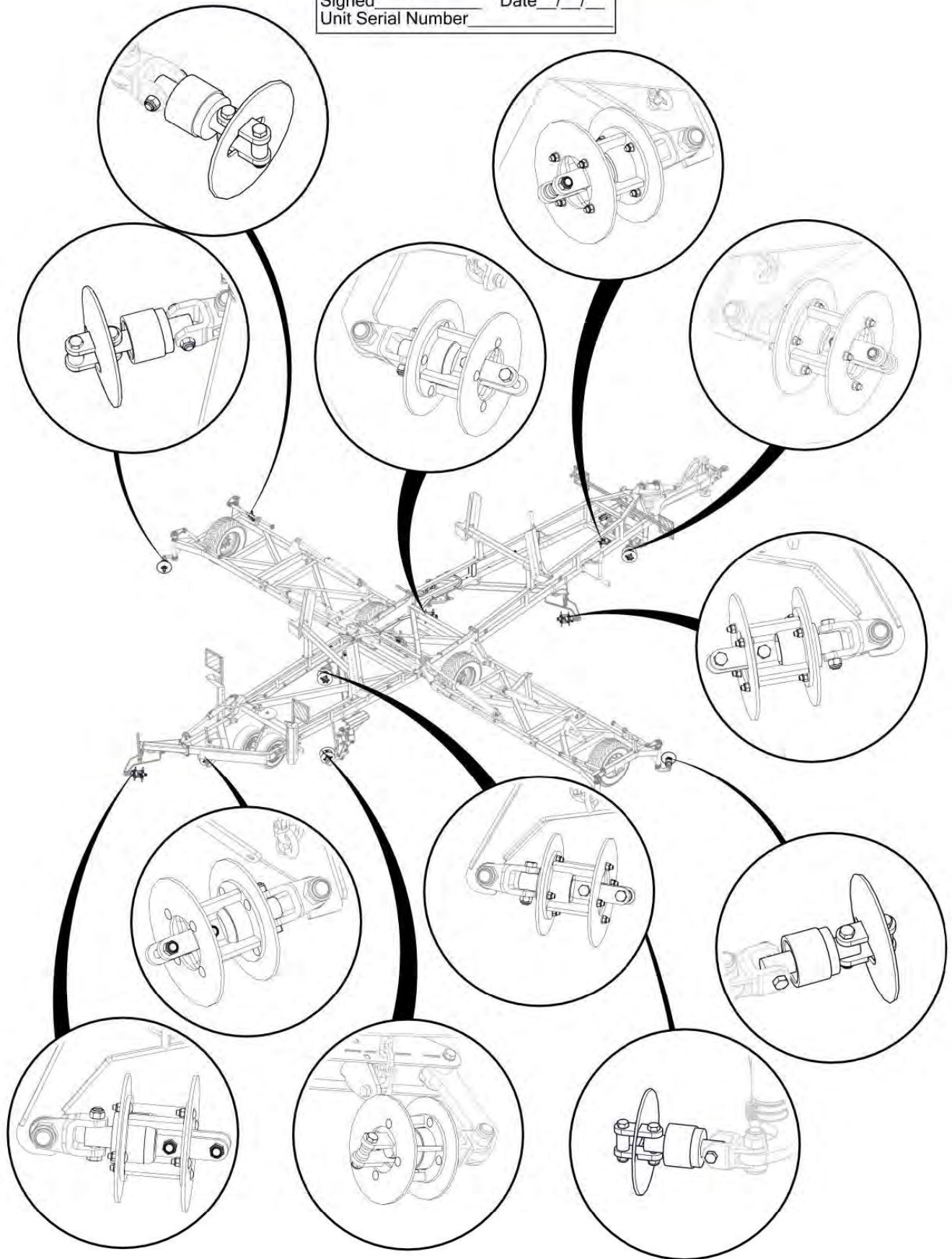
| Item No. | Description | Qty | Number |
|----------|---|-----|--------------|
| 1 | Tapered Chain End Hub | 1 | 0810-45-5 |
| 2 | TCE Blade Large | 1 | 0800-767 |
| 3 | TCE Blade Small | 1 | 0800-766 |
| 4 | Washer Flat M12 | 8 | 0231-F12 |
| 5 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 3 | 0211-20110ST |
| 6 | Nyloc Nut M20 | 3 | 0221-NYL20 |
| 7 | 20mm Bolt Swivel Unit | 1 | 0802-PCHB55 |
| 8 | Nyloc Nut M12 | 8 | 0221-NYL12 |
| 9 | M12 x 40 Coach Head Bolt | 8 | 0215-CH1240 |
| 10 | Disc Chain Spacer | 1 | 0801-253755 |

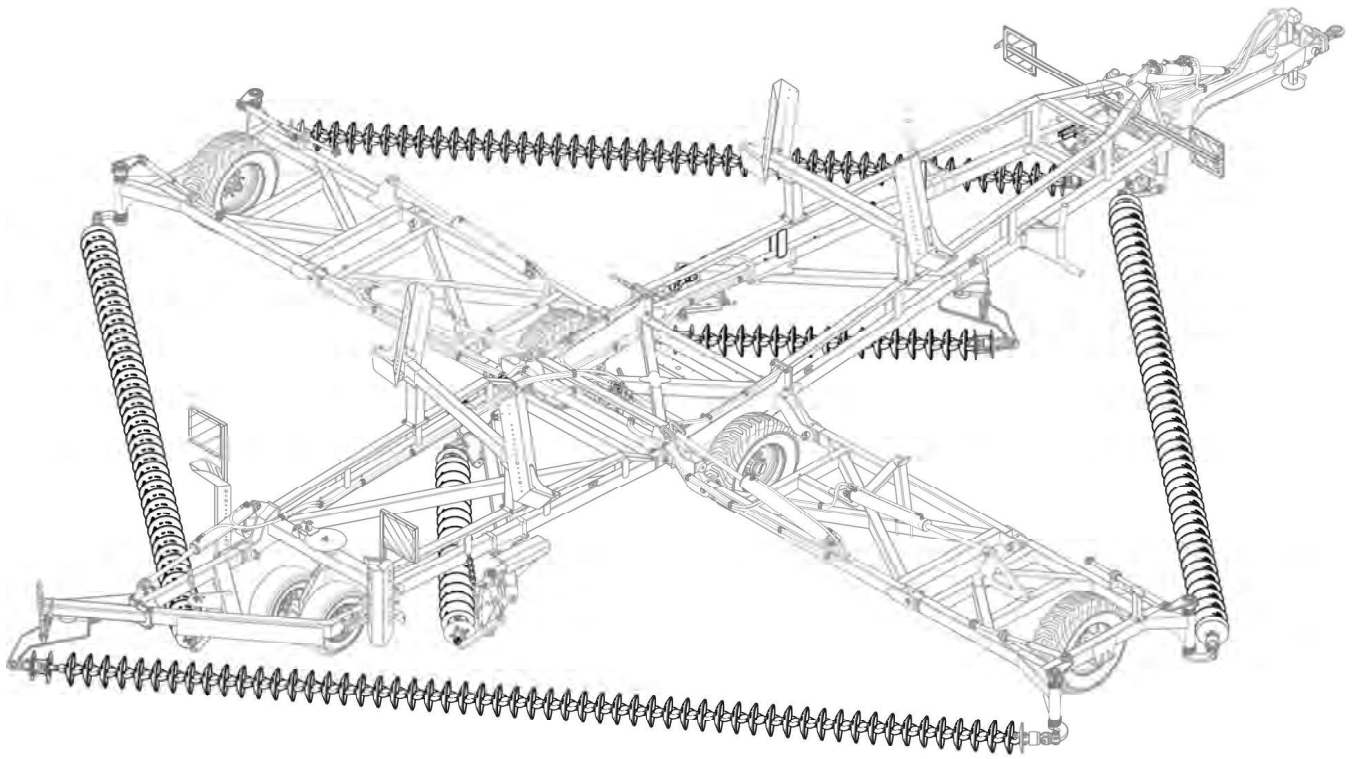


All bearings correctly orientated with seal facing the rear of the machine



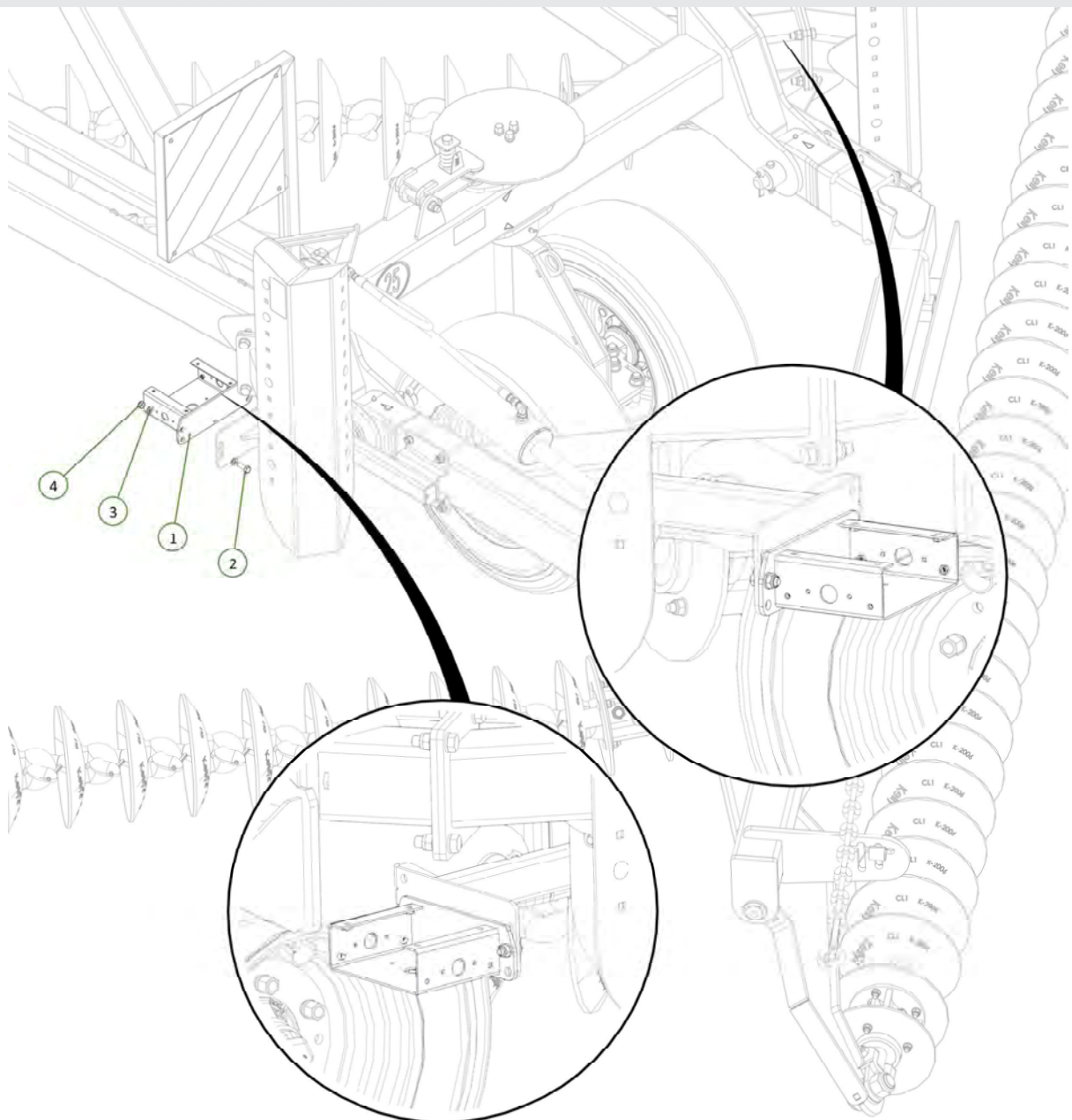
Signed _____ Date ____/____/____
Unit Serial Number _____





KELLY

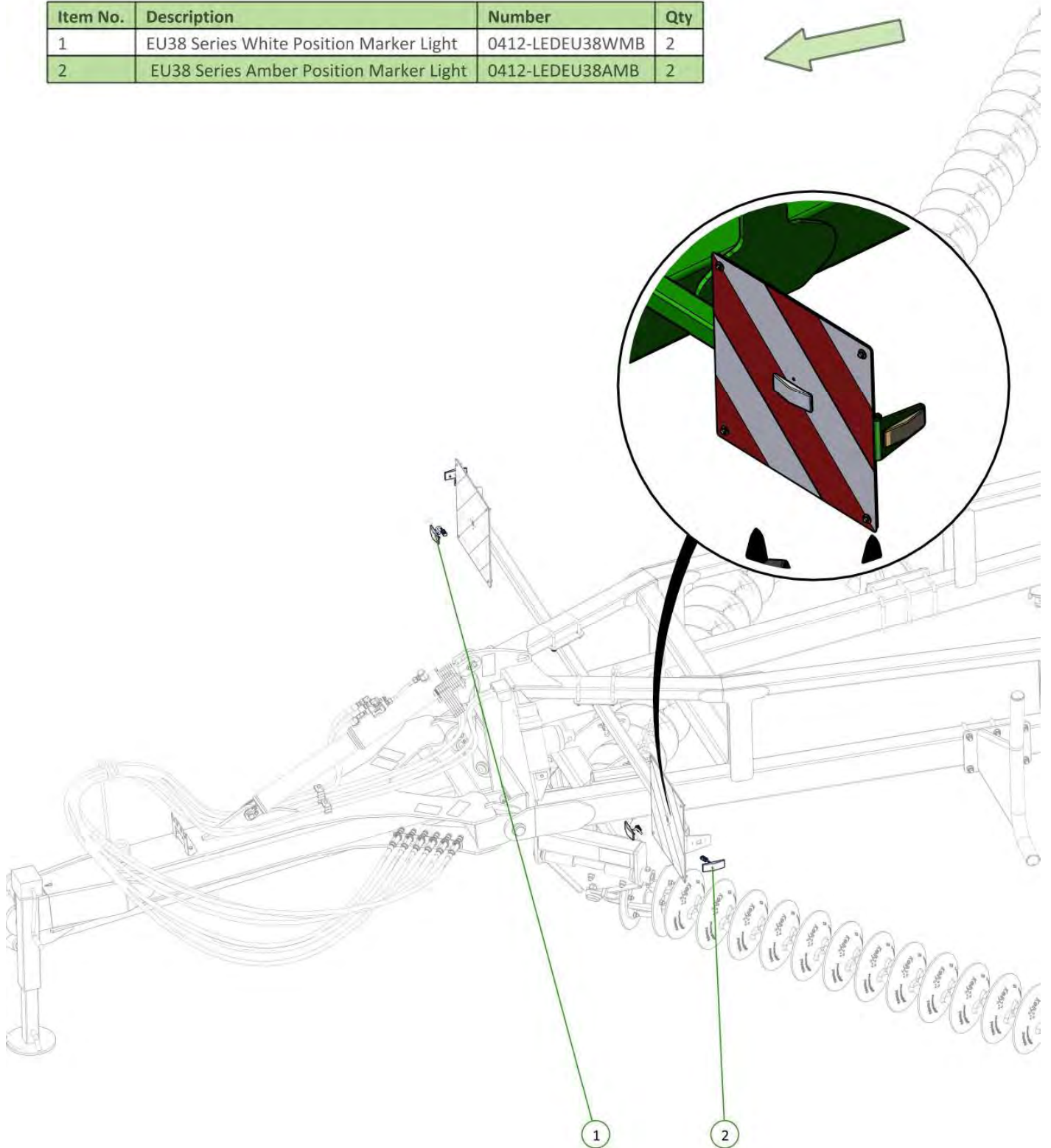
Section 2 - Light Kits

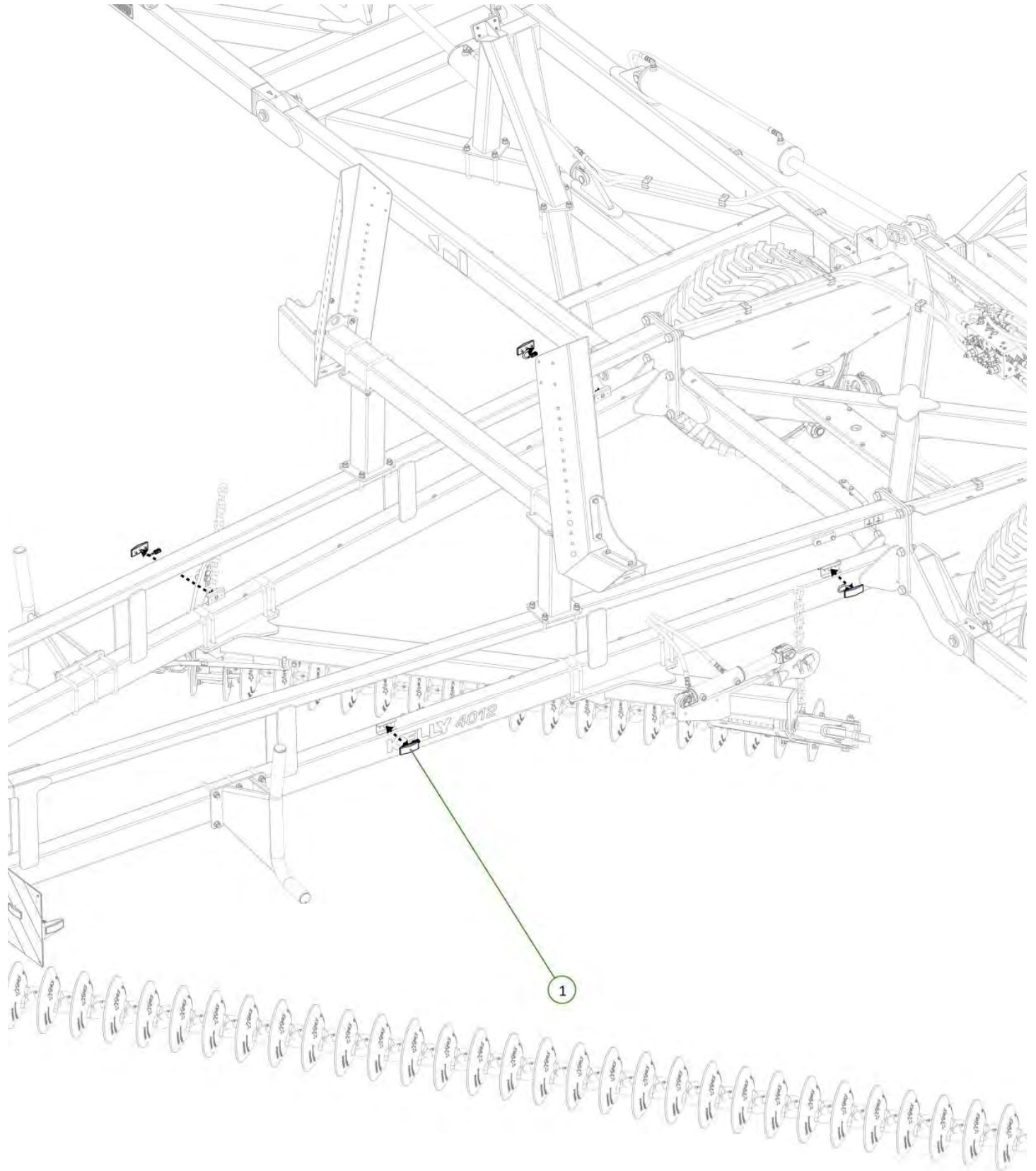


| Item No. | Description | Number | Qty |
|----------|----------------------------|-----------|-----|
| 1 | EU Rear Light Bracket | 1510-238 | 2 |
| 2 | M10 x 30 Class 8.8 ZP Bolt | 0211-1030 | 4 |



| Item No. | Description | Number | Qty |
|----------|---|-----------------|-----|
| 1 | EU38 Series White Position Marker Light | 0412-LEDEU38WMB | 2 |
| 2 | EU38 Series Amber Position Marker Light | 0412-LEDEU38AMB | 2 |

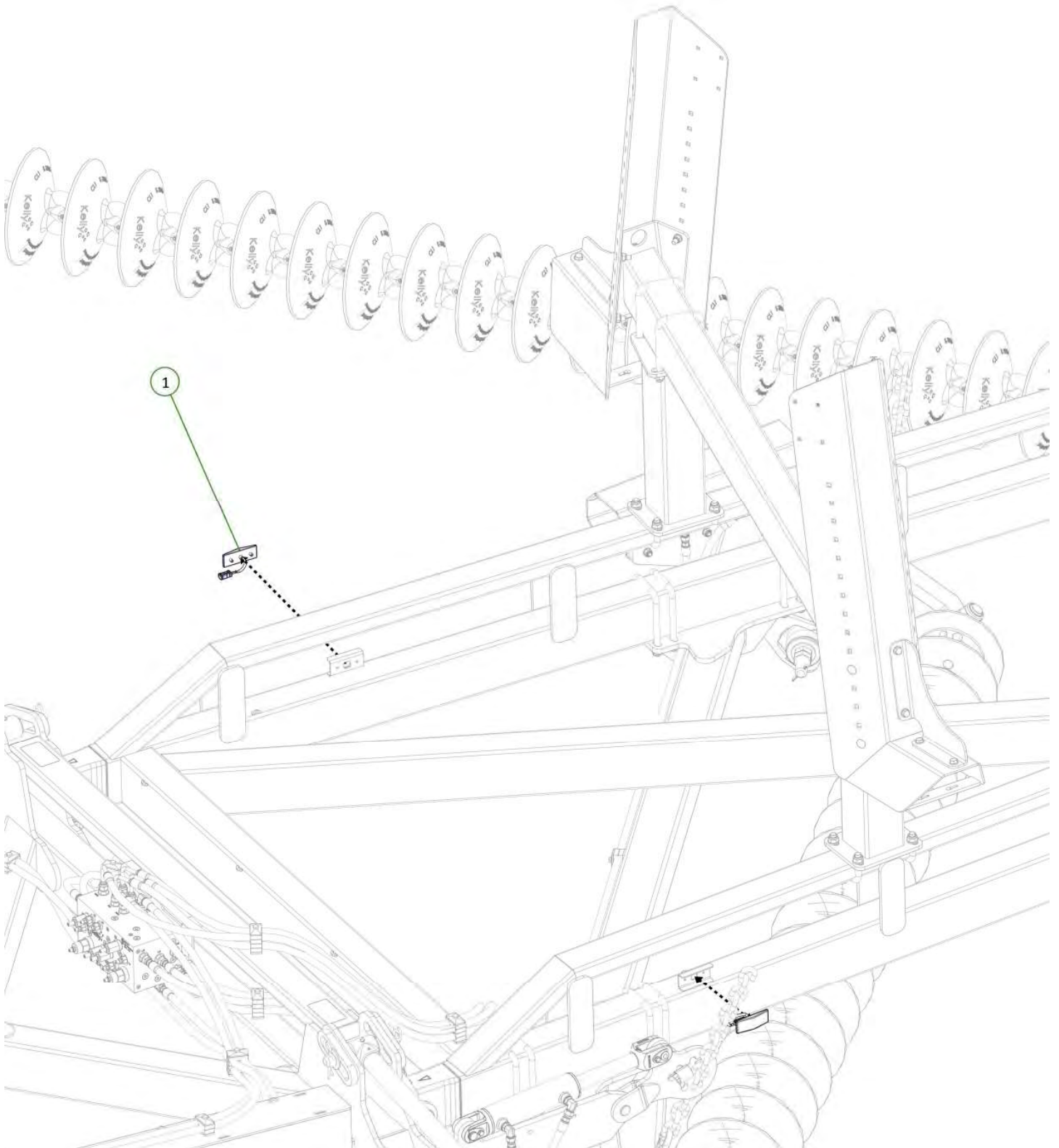


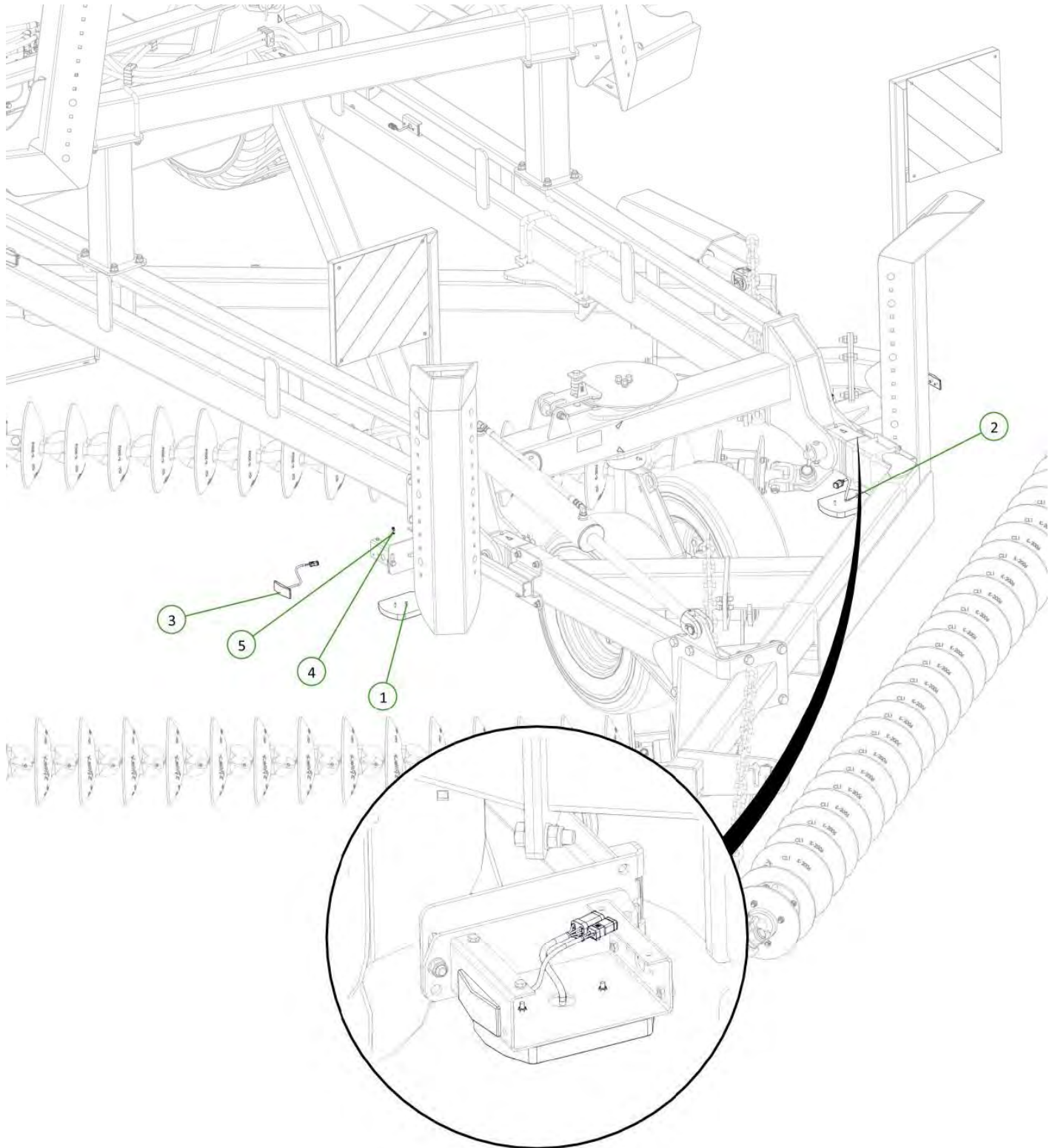


| Item No. | Description | Number | Qty |
|----------|---|-----------------|-----|
| 1 | EU38 Series Amber Position Marker Light | 0412-LEDEU38AMB | 4 |



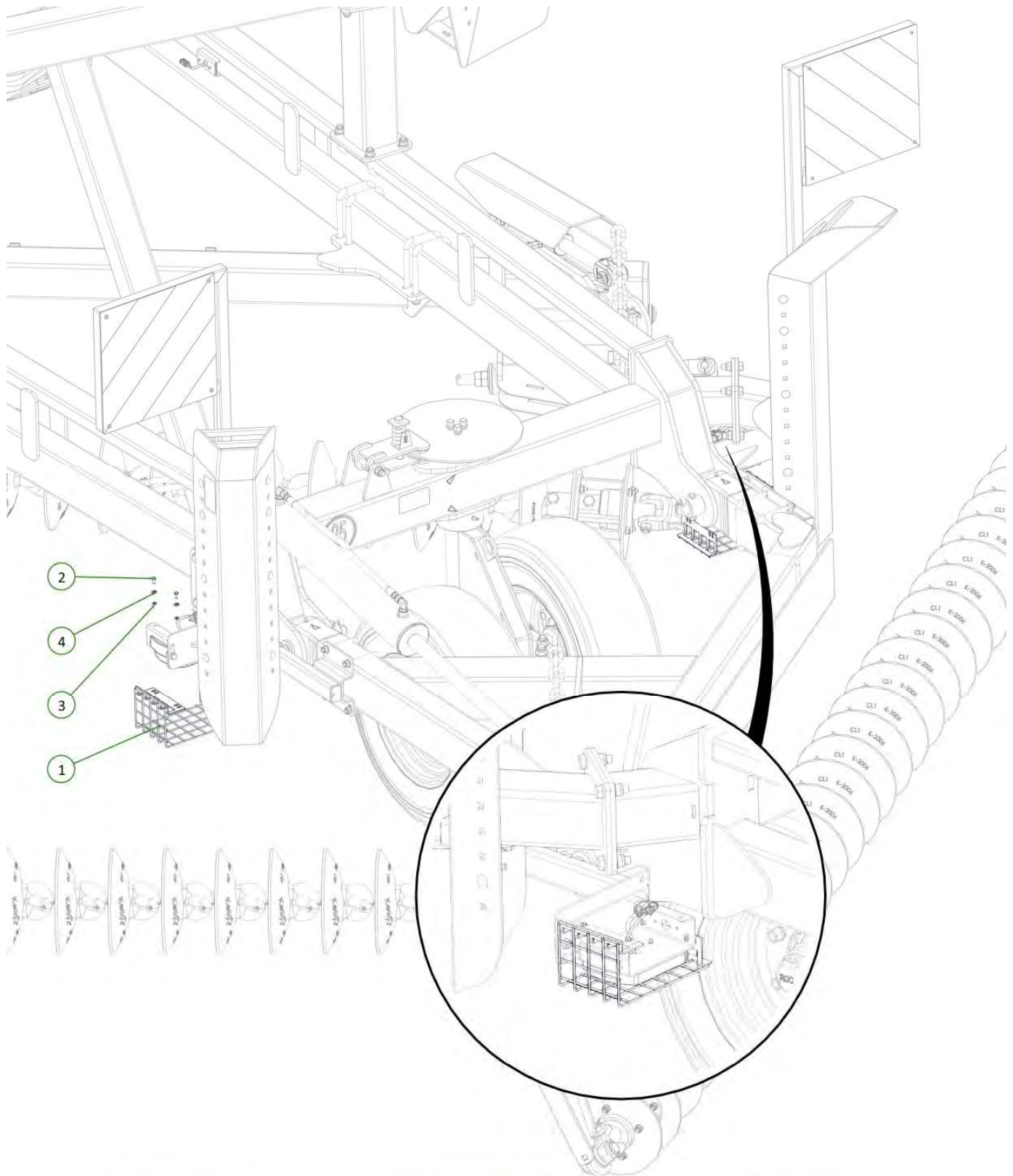
| Item No. | Description | Number | Qty |
|----------|---|--------|-----|
| 1 | EU38 Series Amber Position Marker Light | 0 | 3 |





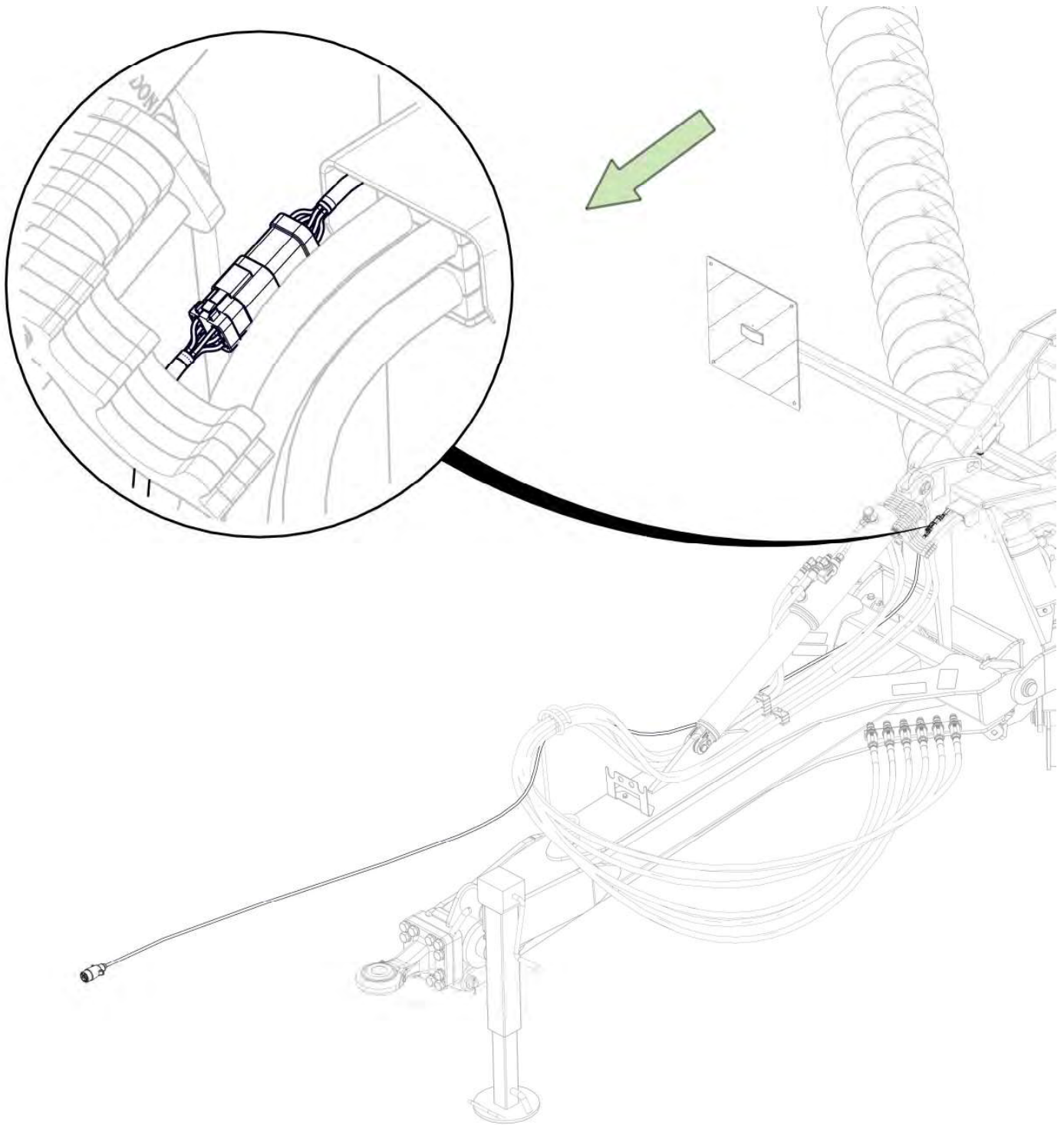
| Item No. | Description | Number | Qty |
|----------|---|-----------------|-----|
| 1 | LED Combination Tail Light Left | 0 | 2 |
| 2 | LED Combination Tail Light Right | 0412-EU200R | 1 |
| 3 | EU38 Series Amber Position Marker Light | 0412-LEDEU38AMB | 2 |
| 4 | Nyloc Nut M5 | 0221-NYL5 | 4 |
| 5 | Washer Flat M5 | 0231-F5 | 4 |

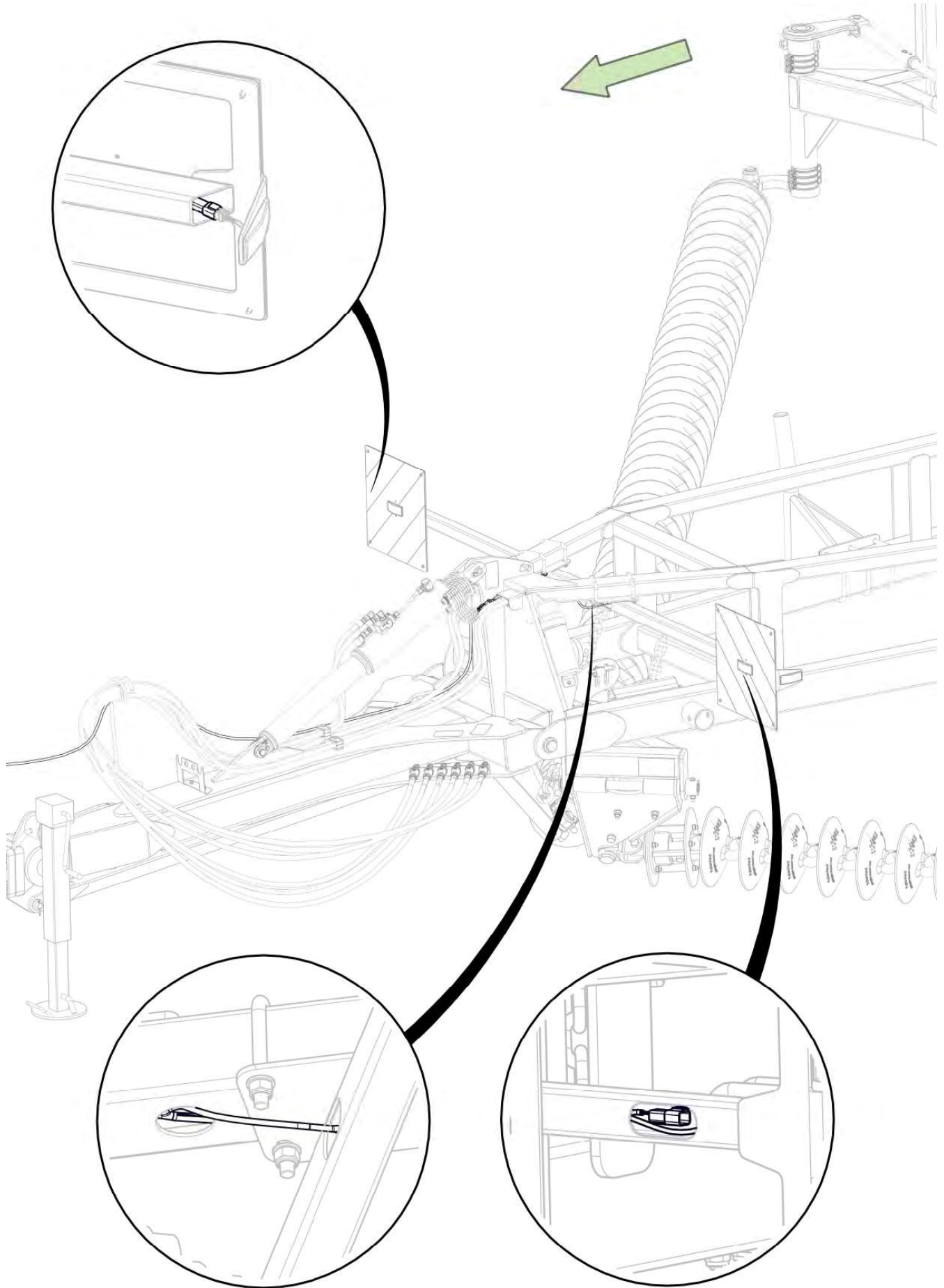


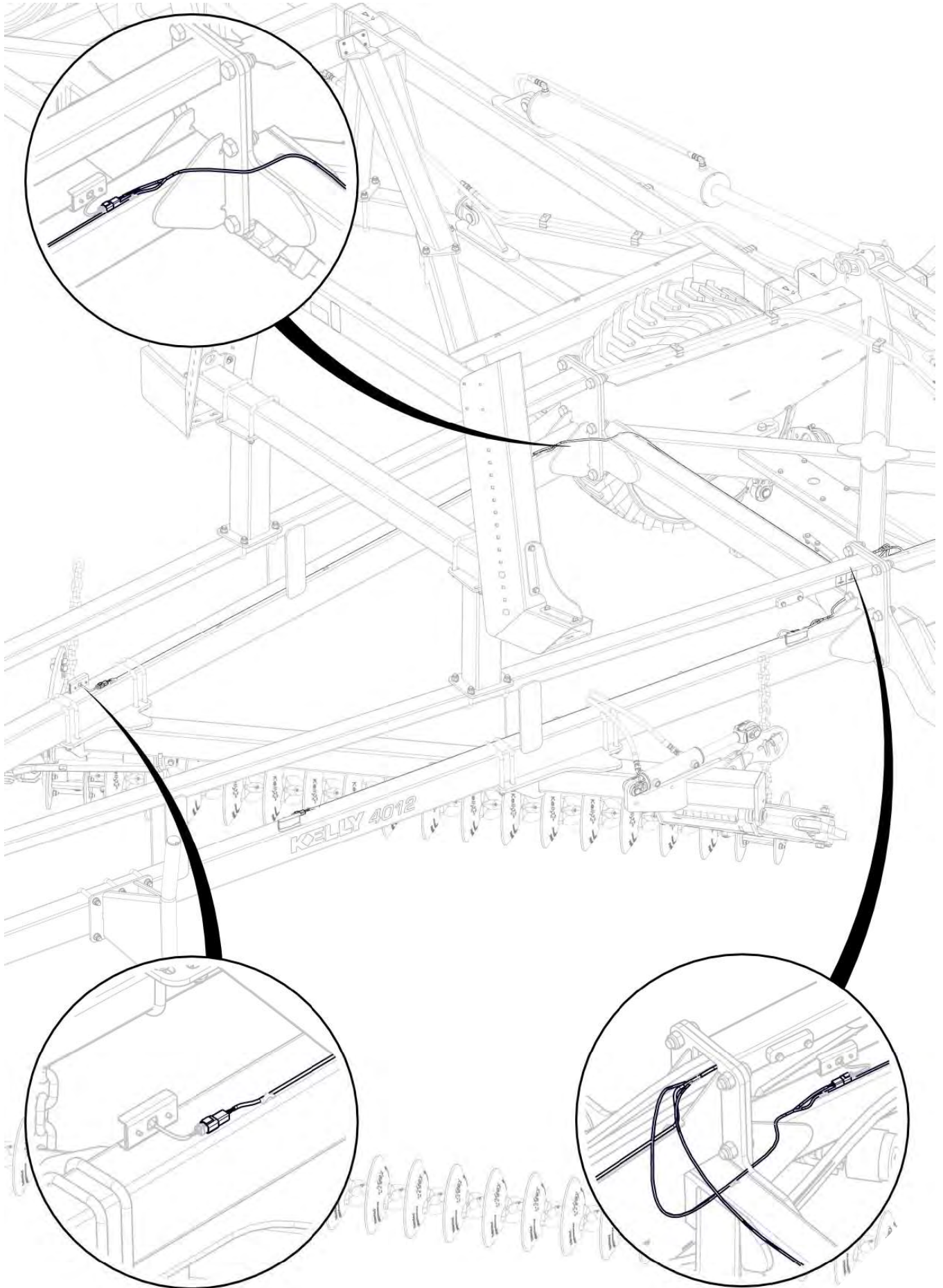


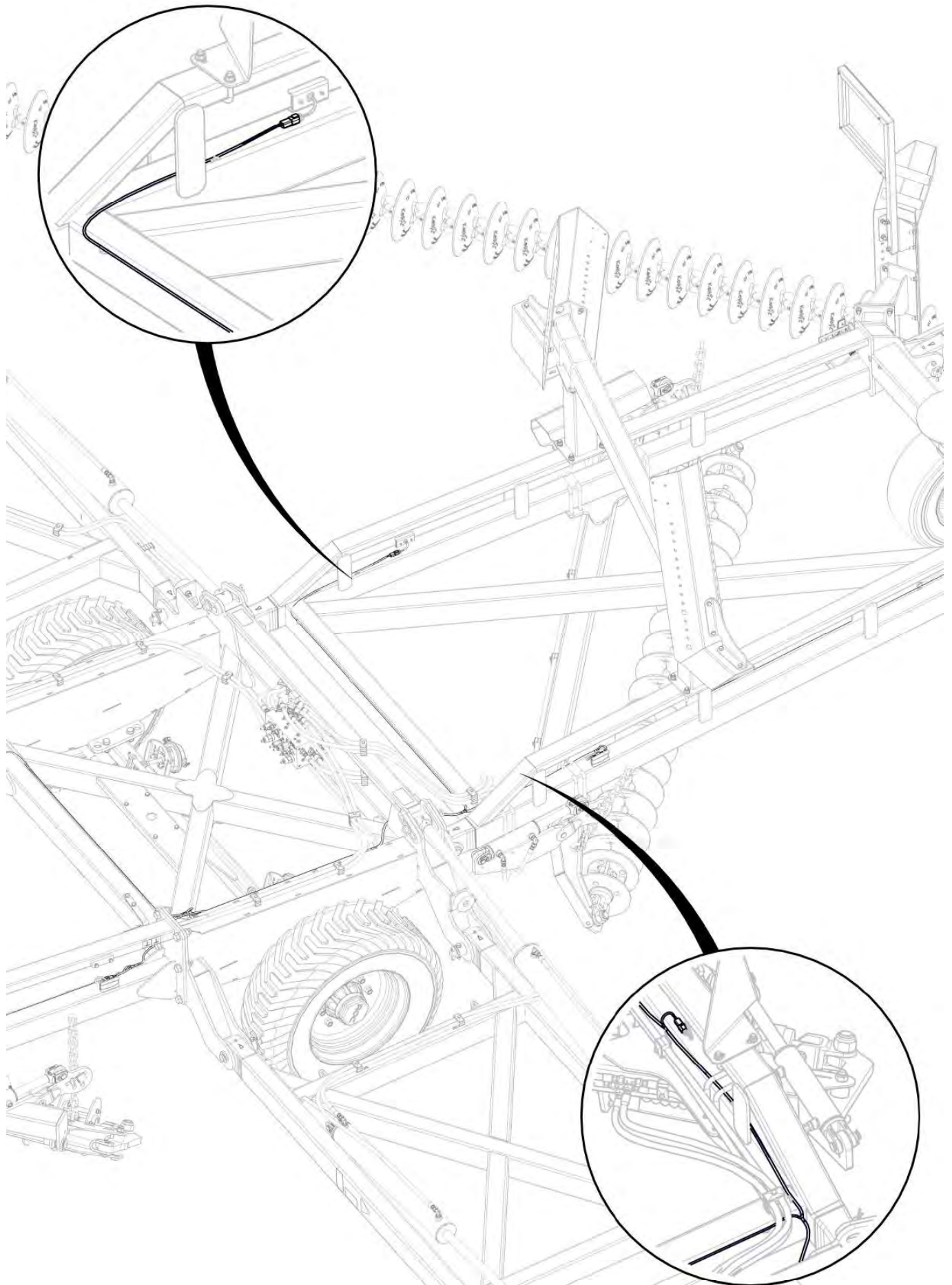
- 2
- 4
- 3
- 1

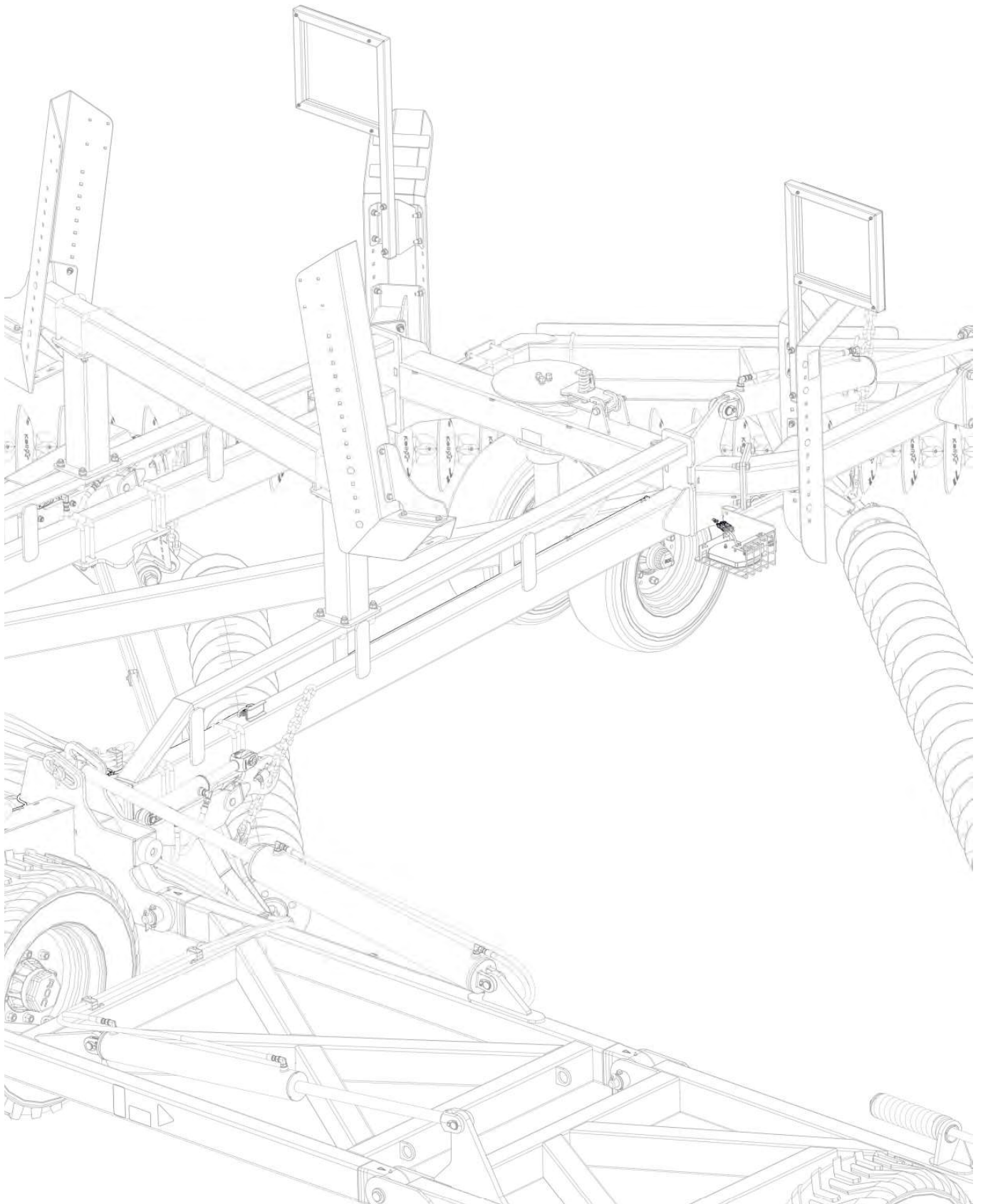
| Item No. | Description | Number | Qty |
|----------|---------------------------|----------|-----|
| 1 | Rear Light Bracket Guard | | 3 |
| 2 | M6 x 15 Class 8.8 ZP Bolt | 0211-615 | 8 |
| 3 | Washer Flat M6 | 0231-F6 | 8 |
| 4 | Washer Spring M6 | 0231-S6 | 8 |



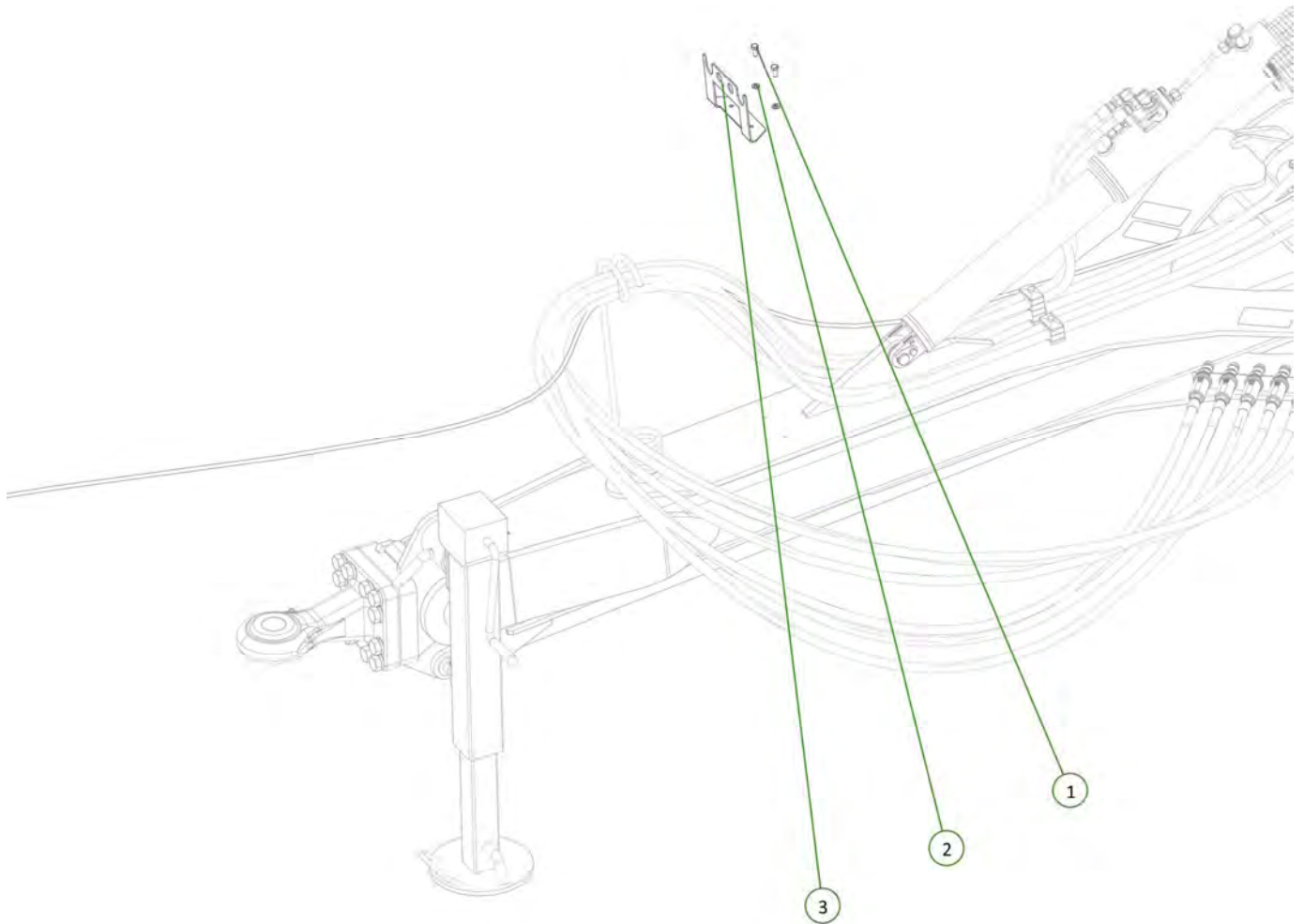








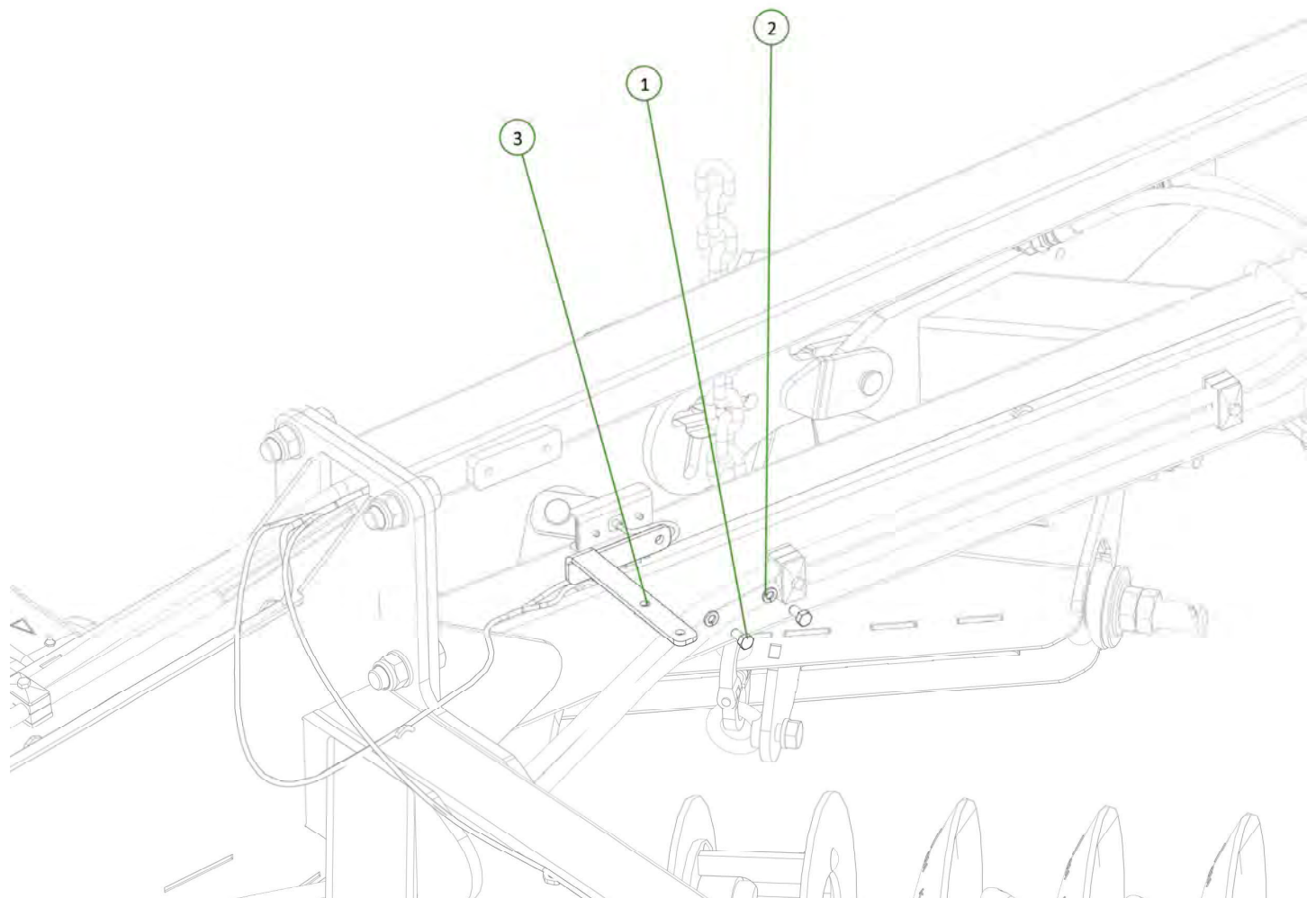
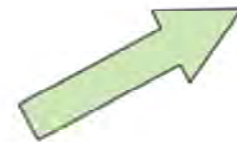
| Item No. | Description | Number | Qty |
|----------|------------------------------|----------|-----|
| 1 | M8 x 20 Class 8.8 ZP Bolt | 0211-820 | 2 |
| 2 | Washer Spring M8 | 0231-S8 | 2 |
| 3 | Air Coupling Storage Bracket | 1500-402 | 1 |



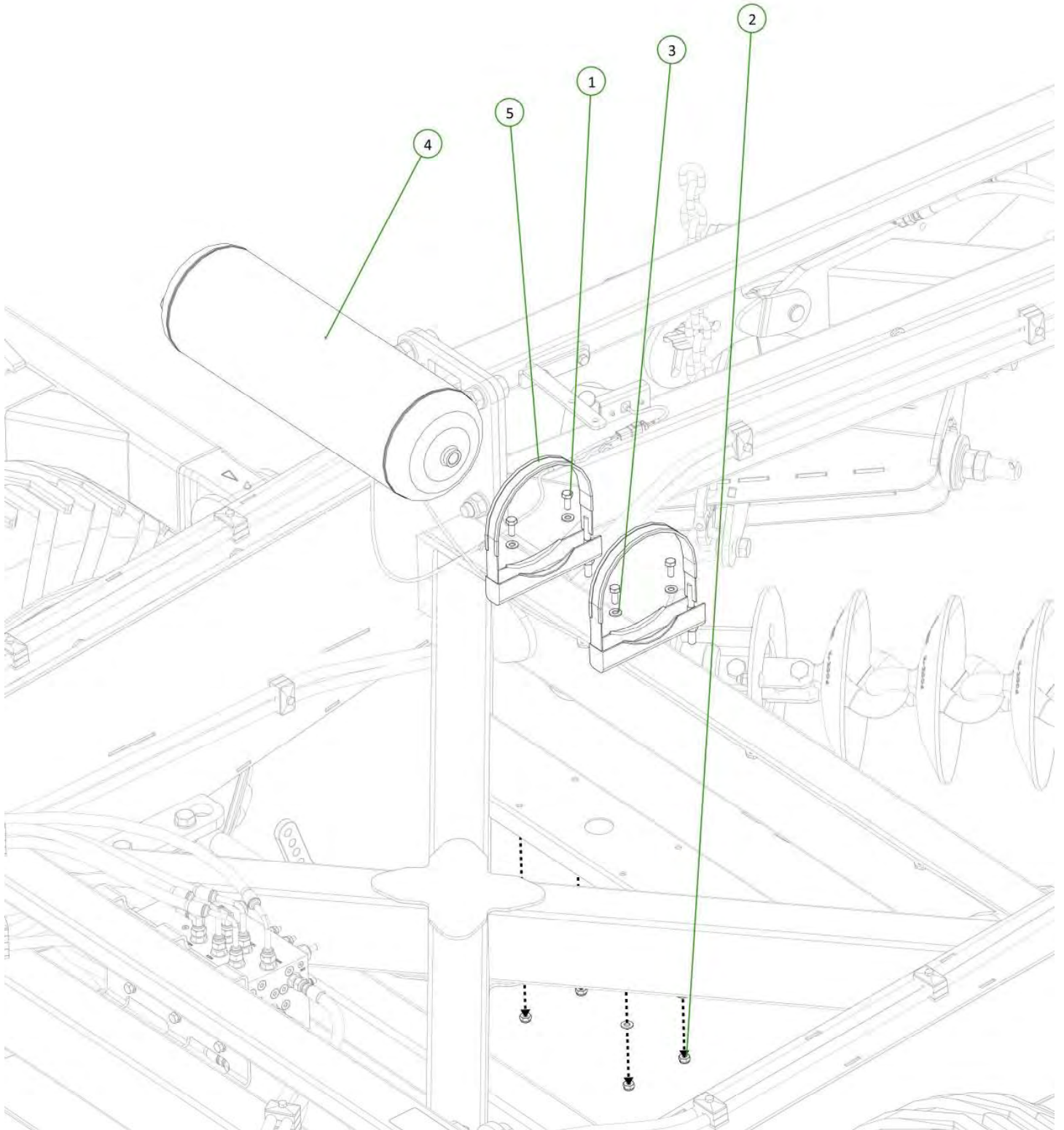


Section 3 - Braking Components

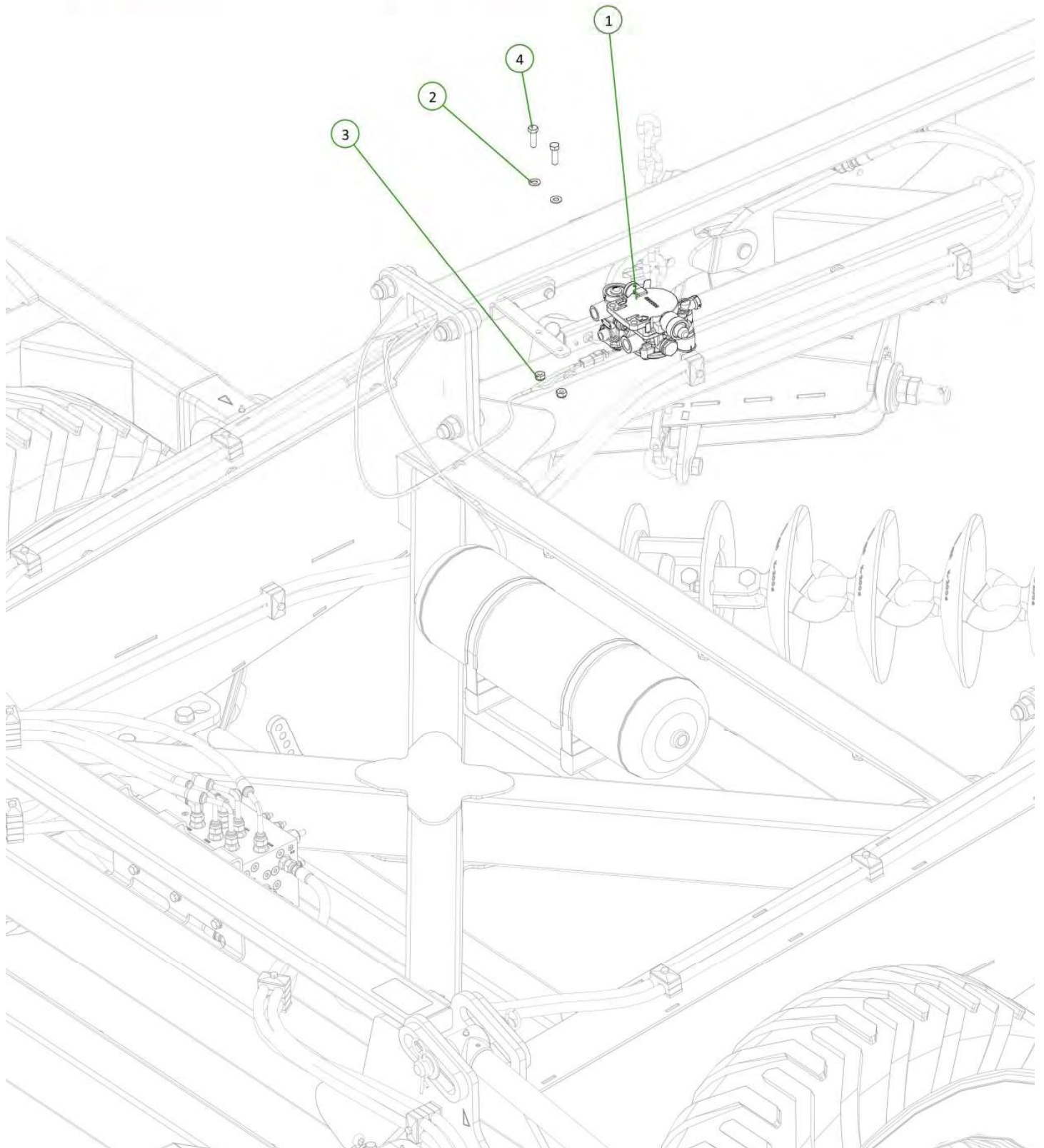
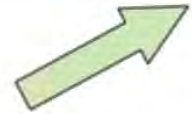
| Item No. | Description | Number | Qty |
|----------|----------------------------|-----------|-----|
| 1 | M10 x 20 Class 8.8 ZP Bolt | 0211-1020 | 2 |
| 2 | Washer Spring M10 | 0231-S10 | 2 |
| 3 | 9m Air Valve Bracket | 1500-401 | 1 |



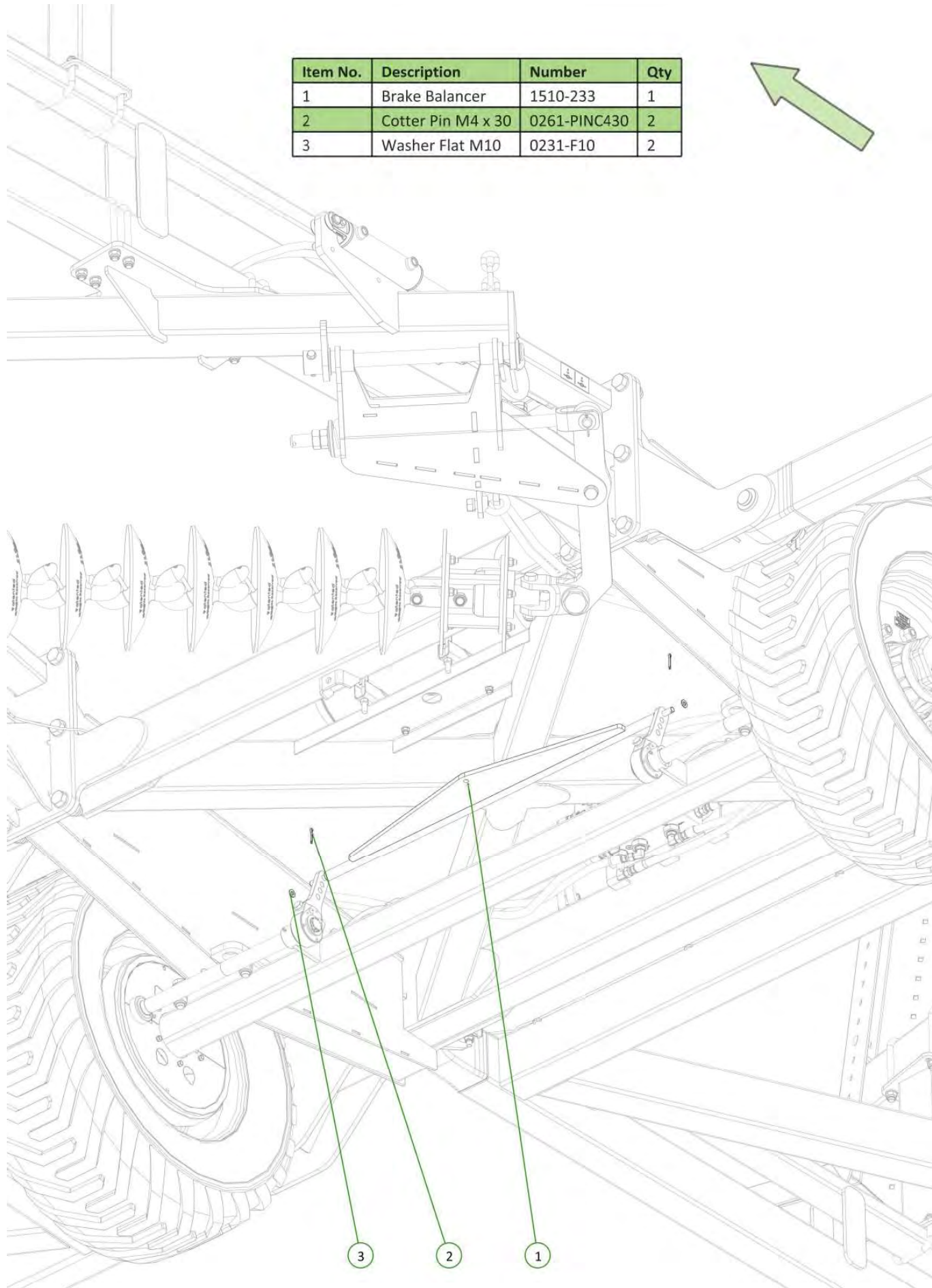
| Item No. | Description | Number | Qty |
|----------|----------------------------|-----------------|-----|
| 1 | M10 x 25 Class 8.8 ZP Bolt | 0211-1025 | 4 |
| 2 | Nyloc Nut M10 | 0221-NYL10 | 4 |
| 3 | Washer Flat M10 | 0231-F10 | 4 |
| 4 | Air Reservoir 20L | 0761-9504200030 | 1 |
| 5 | 20L Air Reservoir Bracket | 0761-9504053512 | 2 |



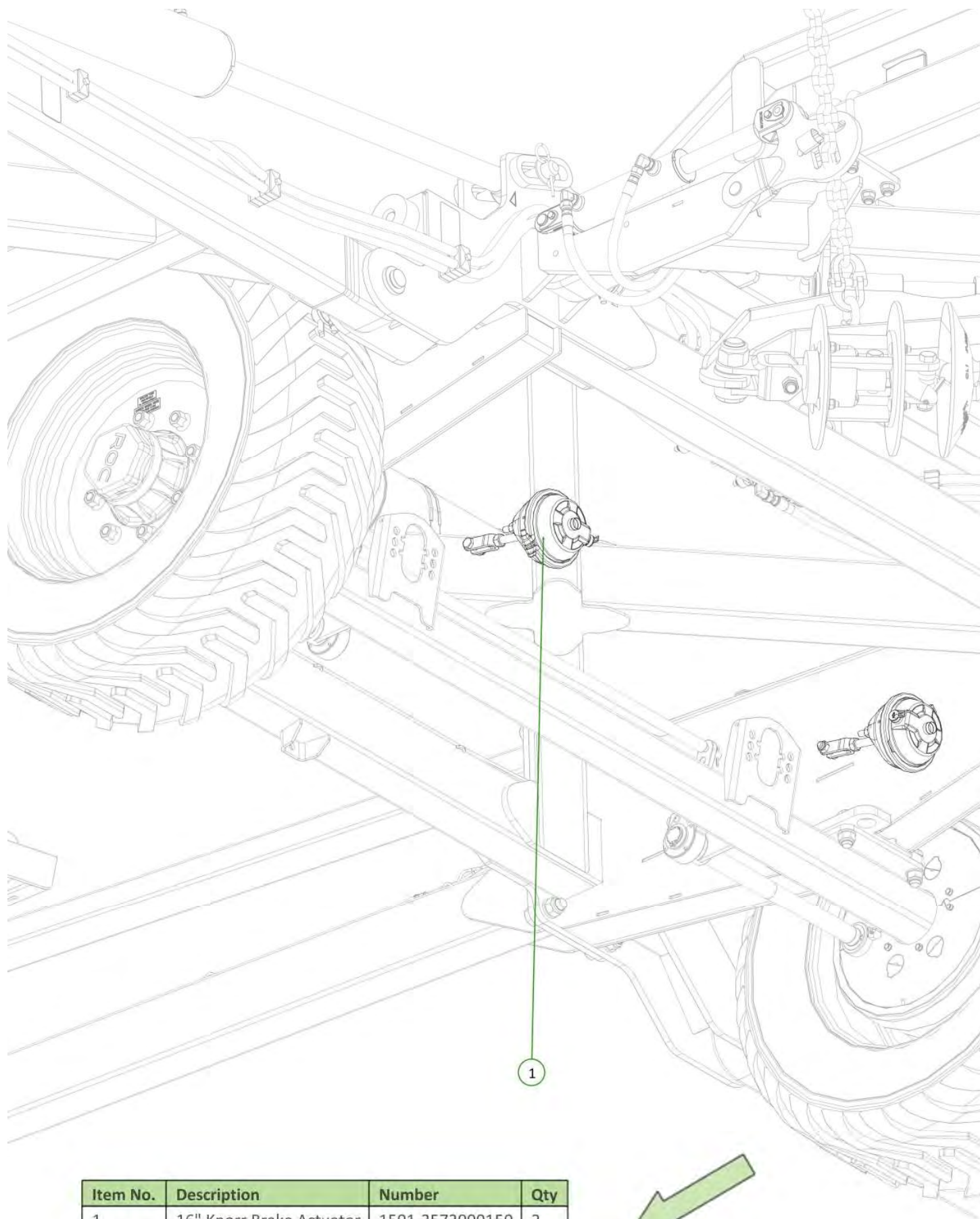
| Item No. | Description | Number | Qty |
|----------|----------------------------|-----------------|-----|
| 1 | Relay Emergency Valve | 0761-9710026200 | 1 |
| 2 | Washer Flat M10 | 0231-F10 | 2 |
| 3 | Nyloc Nut M10 | 0221-NYL10 | 2 |
| 4 | M10 x 35 Class 8.8 ZP Bolt | 0211-1035 | 2 |



| Item No. | Description | Number | Qty |
|----------|--------------------|--------------|-----|
| 1 | Brake Balancer | 1510-233 | 1 |
| 2 | Cotter Pin M4 x 30 | 0261-PINC430 | 2 |
| 3 | Washer Flat M10 | 0231-F10 | 2 |

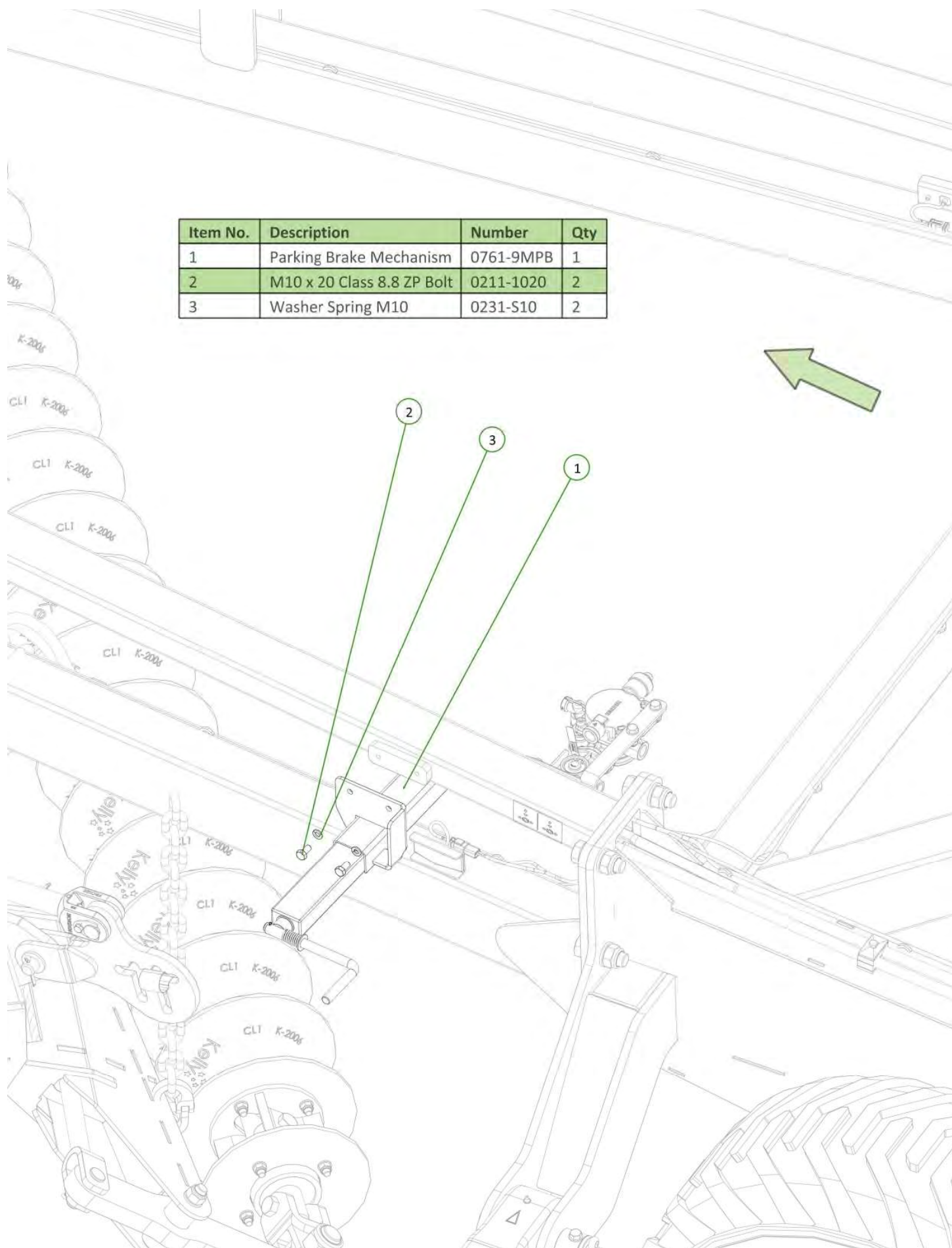


- 3
- 2
- 1

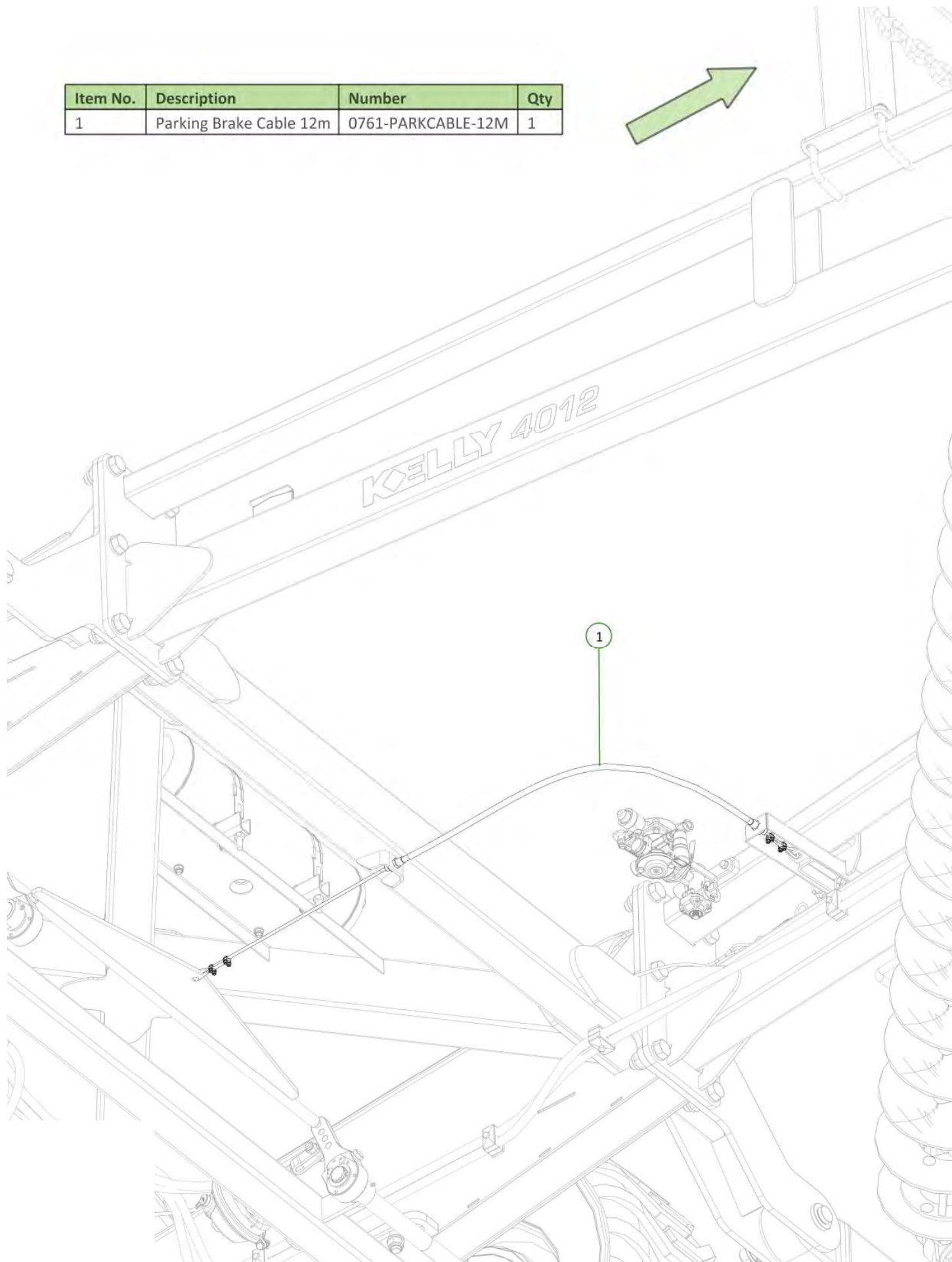
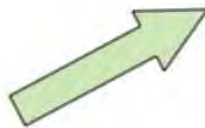


| Item No. | Description | Number | Qty |
|----------|--------------------------|-----------------|-----|
| 1 | 16" Knorr Brake Actuator | 1501-3573000150 | 2 |

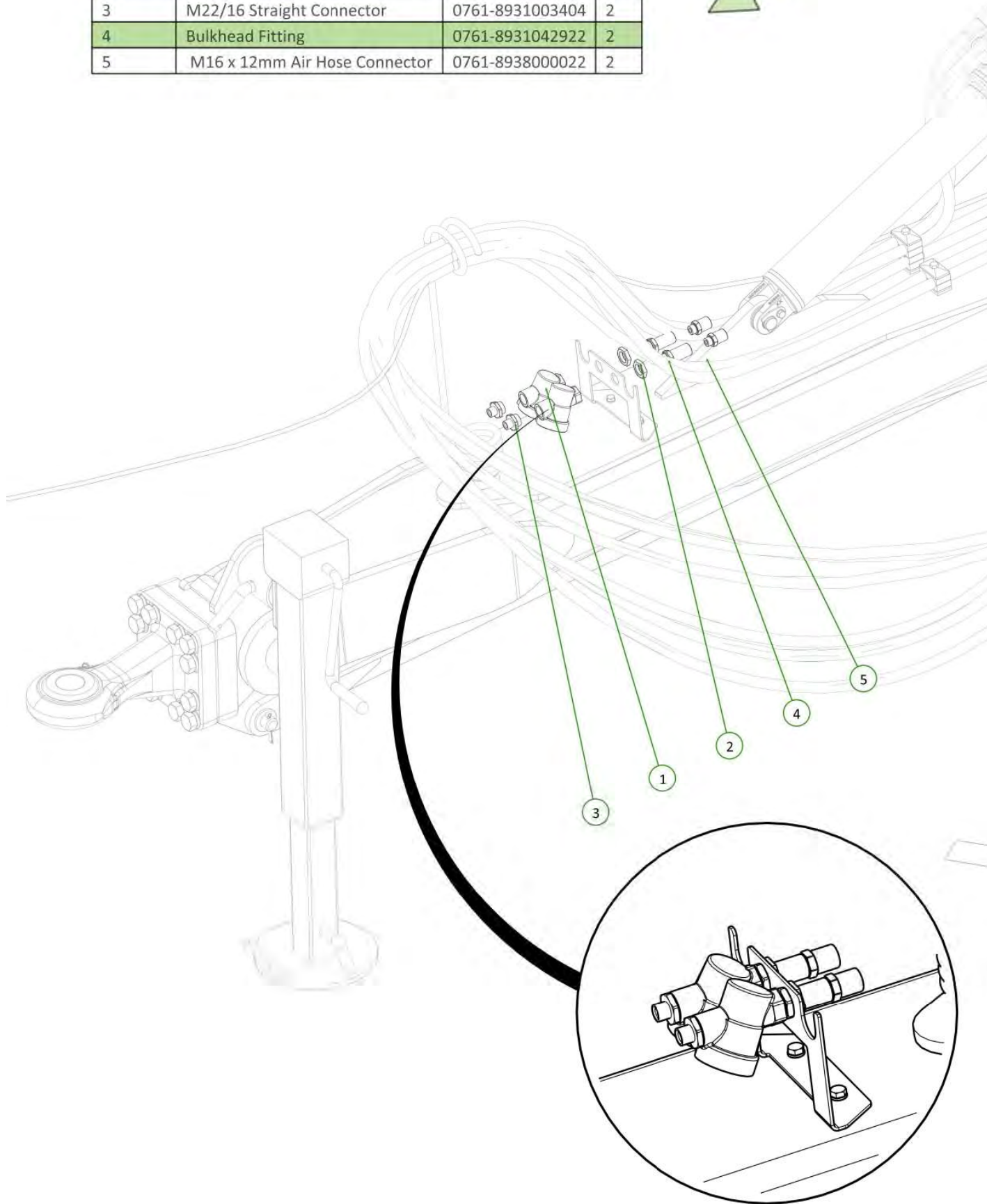
| Item No. | Description | Number | Qty |
|----------|----------------------------|-----------|-----|
| 1 | Parking Brake Mechanism | 0761-9MPB | 1 |
| 2 | M10 x 20 Class 8.8 ZP Bolt | 0211-1020 | 2 |
| 3 | Washer Spring M10 | 0231-S10 | 2 |



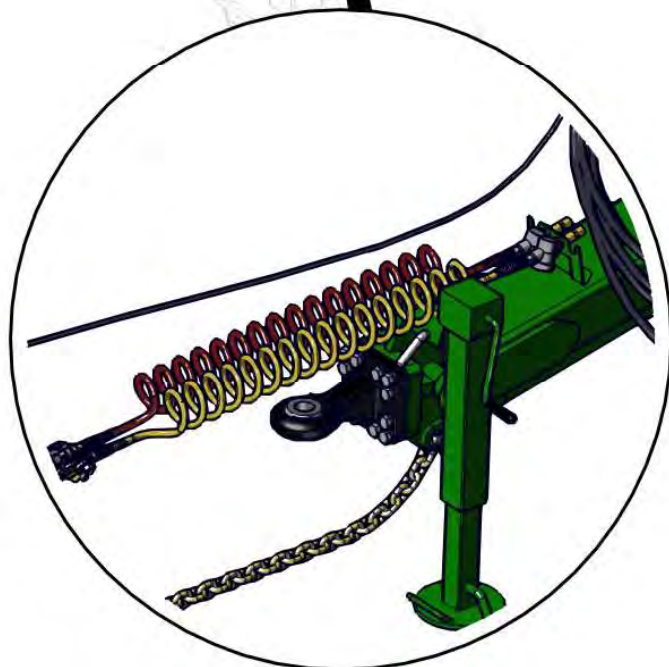
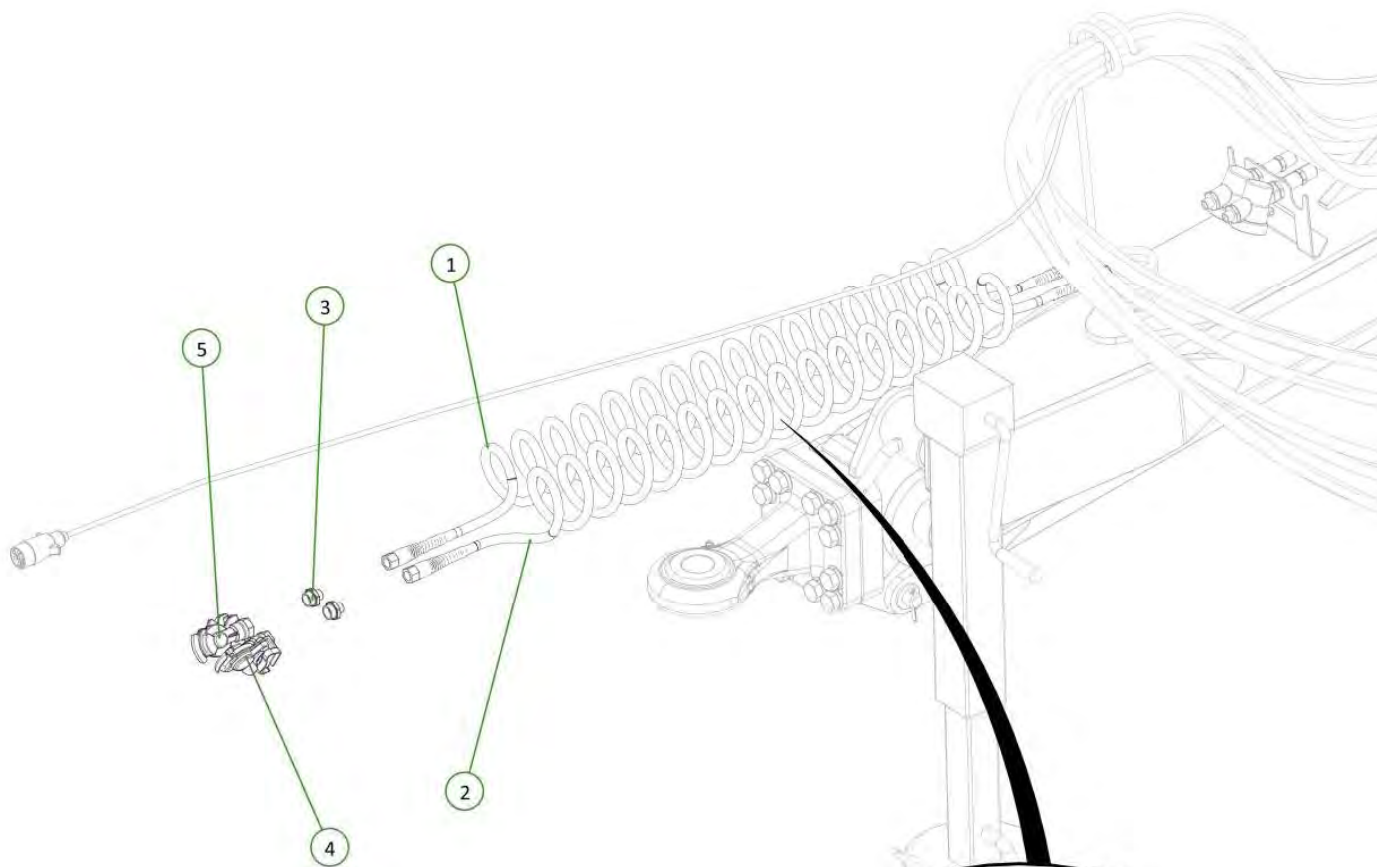
| Item No. | Description | Number | Qty |
|----------|-------------------------|--------------------|-----|
| 1 | Parking Brake Cable 12m | 0761-PARKCABLE-12M | 1 |



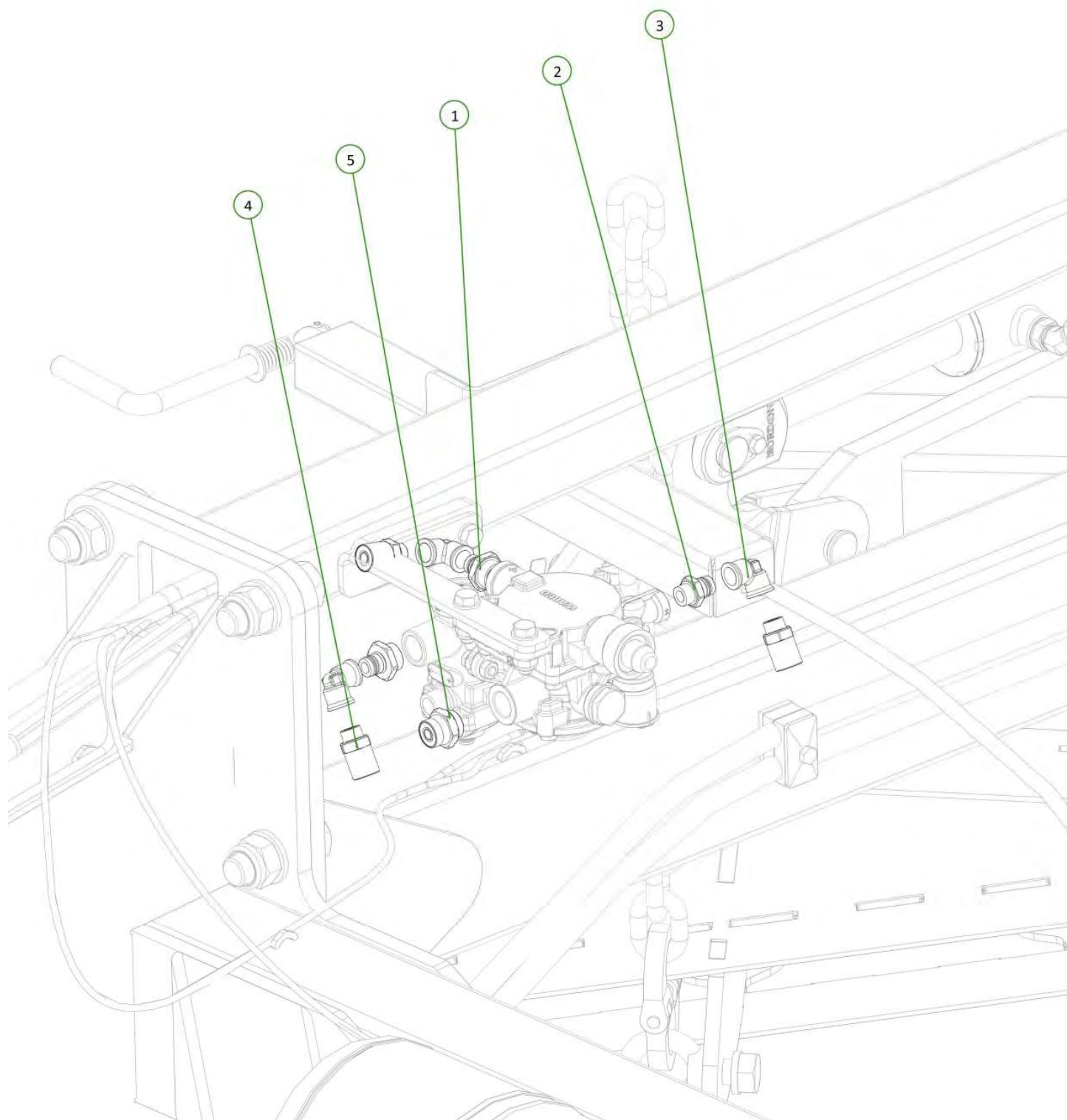
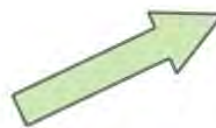
| Item No. | Description | Number | Qty |
|----------|-------------------------------|-----------------|-----|
| 1 | Air Line Filter | 0761-4325000200 | 2 |
| 2 | M22 Bulkhead Nut | 0761-8915004544 | 2 |
| 3 | M22/16 Straight Connector | 0761-8931003404 | 2 |
| 4 | Bulkhead Fitting | 0761-8931042922 | 2 |
| 5 | M16 x 12mm Air Hose Connector | 0761-8938000022 | 2 |

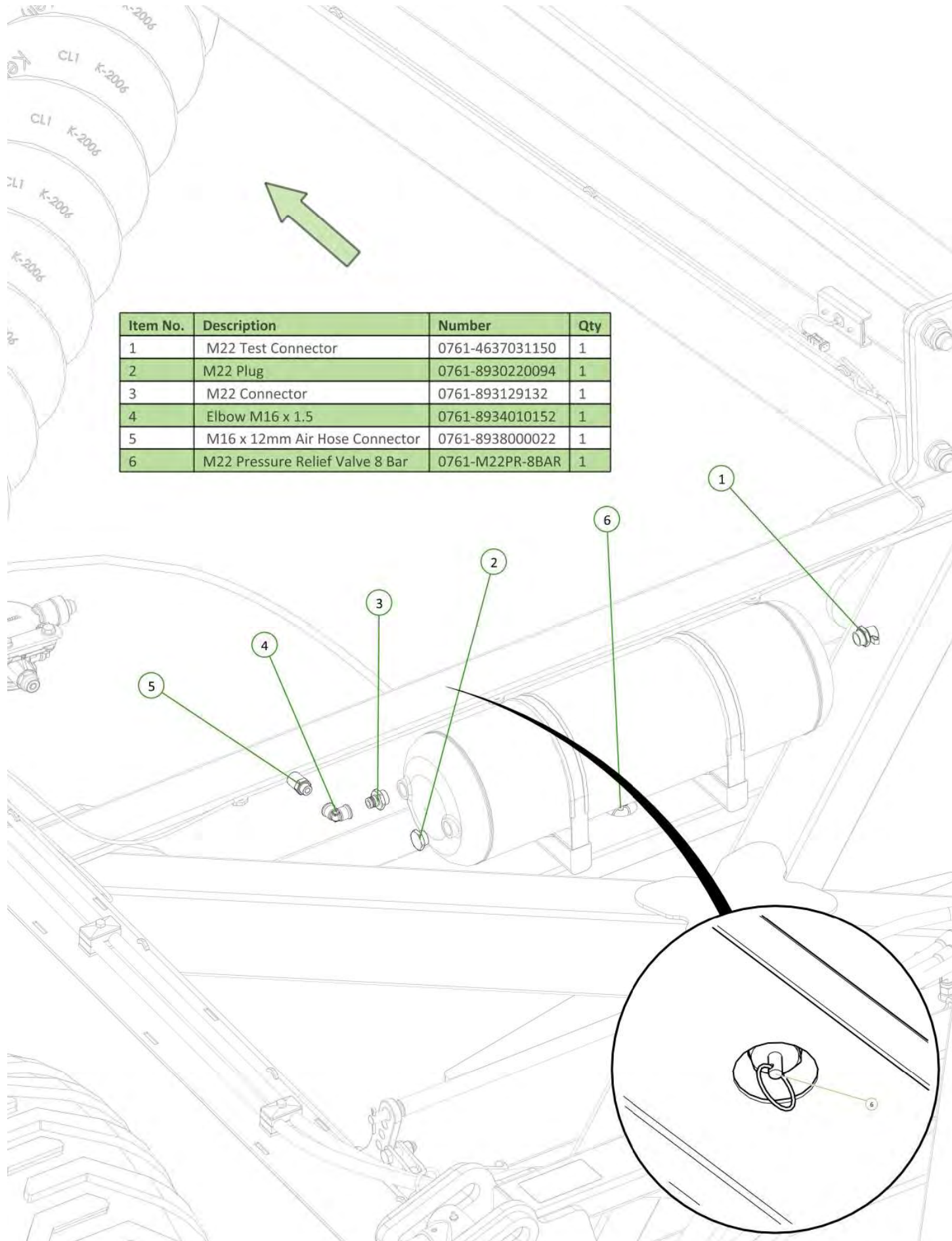


| Item No. | Description | Number | Qty |
|----------|---------------------------|-----------------|-----|
| 1 | Red Flexi Air Hose | 0761-4527110580 | 1 |
| 2 | Yellow Flexi Air Hose | 0761-4527110590 | 1 |
| 3 | M22/16 Straight Connector | 0761-8931003404 | 2 |
| 4 | Yellow Air Hose Coupling | 0761-9528970060 | 1 |
| 5 | Red Air Hose Coupling | 0761-9528970070 | 1 |

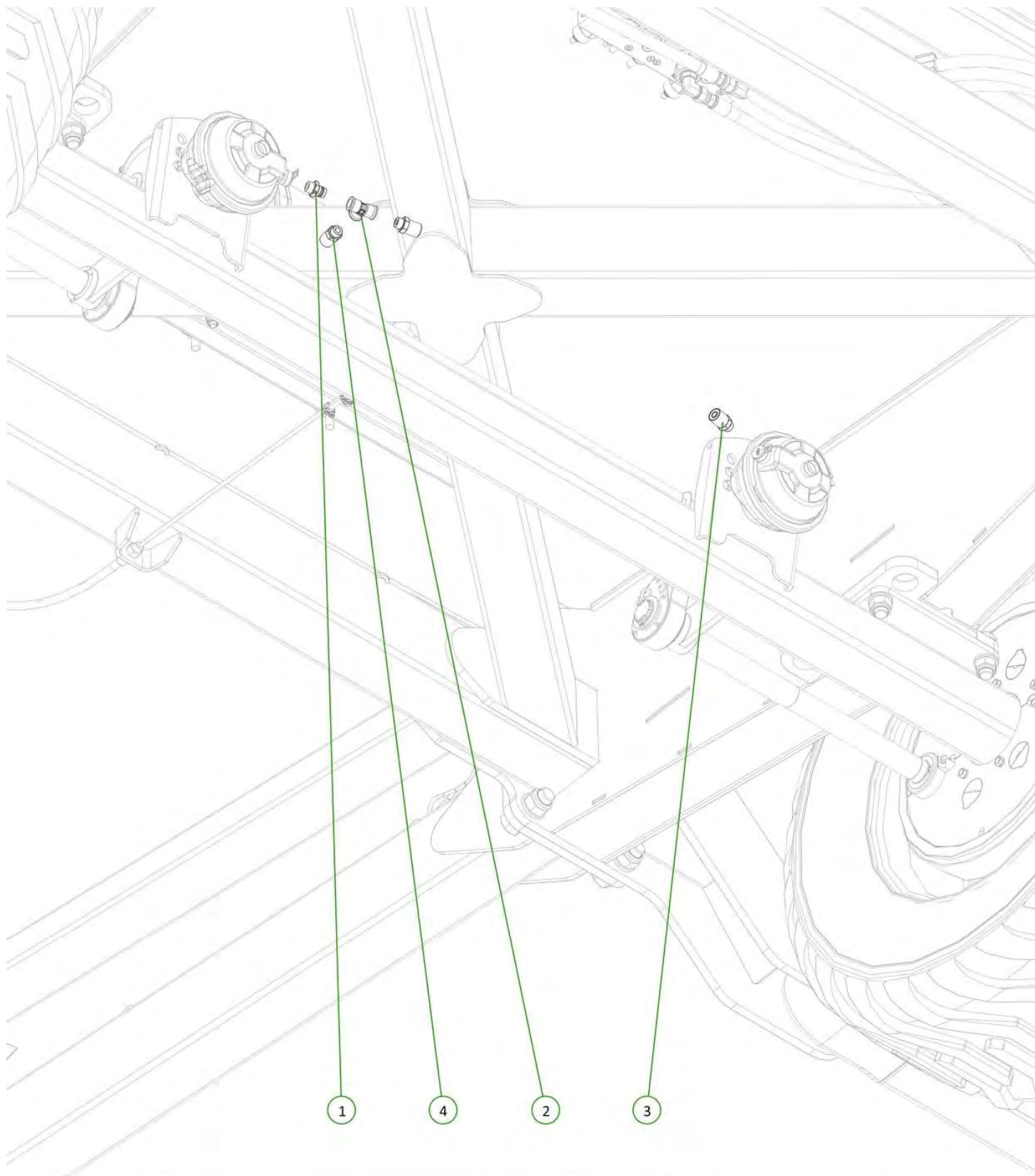


| Item No. | Description | Number | Qty |
|----------|-------------------------------|-----------------|-----|
| 1 | M22 Connector | 0761-893129132 | 2 |
| 2 | M16 Connector | 0761-8931291922 | 1 |
| 3 | Elbow M16 x 1.5 | 0761-8934010152 | 3 |
| 4 | M16 x 12mm Air Hose Connector | 0761-8938000022 | 3 |
| 5 | M22 x 12mm Air Hose Connector | 0761-8938000082 | 1 |



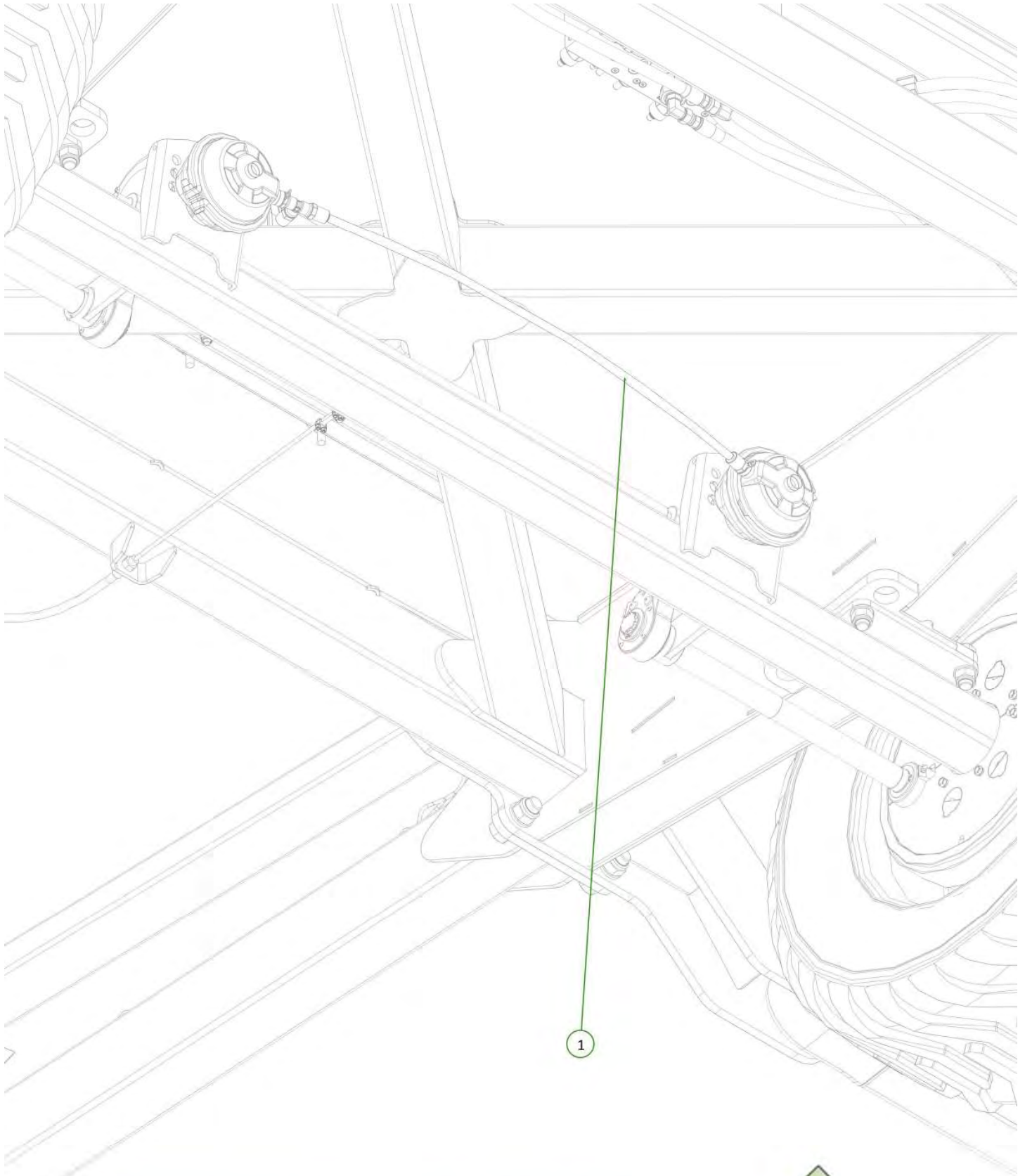


| Item No. | Description | Number | Qty |
|----------|---------------------------------|-----------------|-----|
| 1 | M22 Test Connector | 0761-4637031150 | 1 |
| 2 | M22 Plug | 0761-8930220094 | 1 |
| 3 | M22 Connector | 0761-893129132 | 1 |
| 4 | Elbow M16 x 1.5 | 0761-8934010152 | 1 |
| 5 | M16 x 12mm Air Hose Connector | 0761-8938000022 | 1 |
| 6 | M22 Pressure Relief Valve 8 Bar | 0761-M22PR-8BAR | 1 |



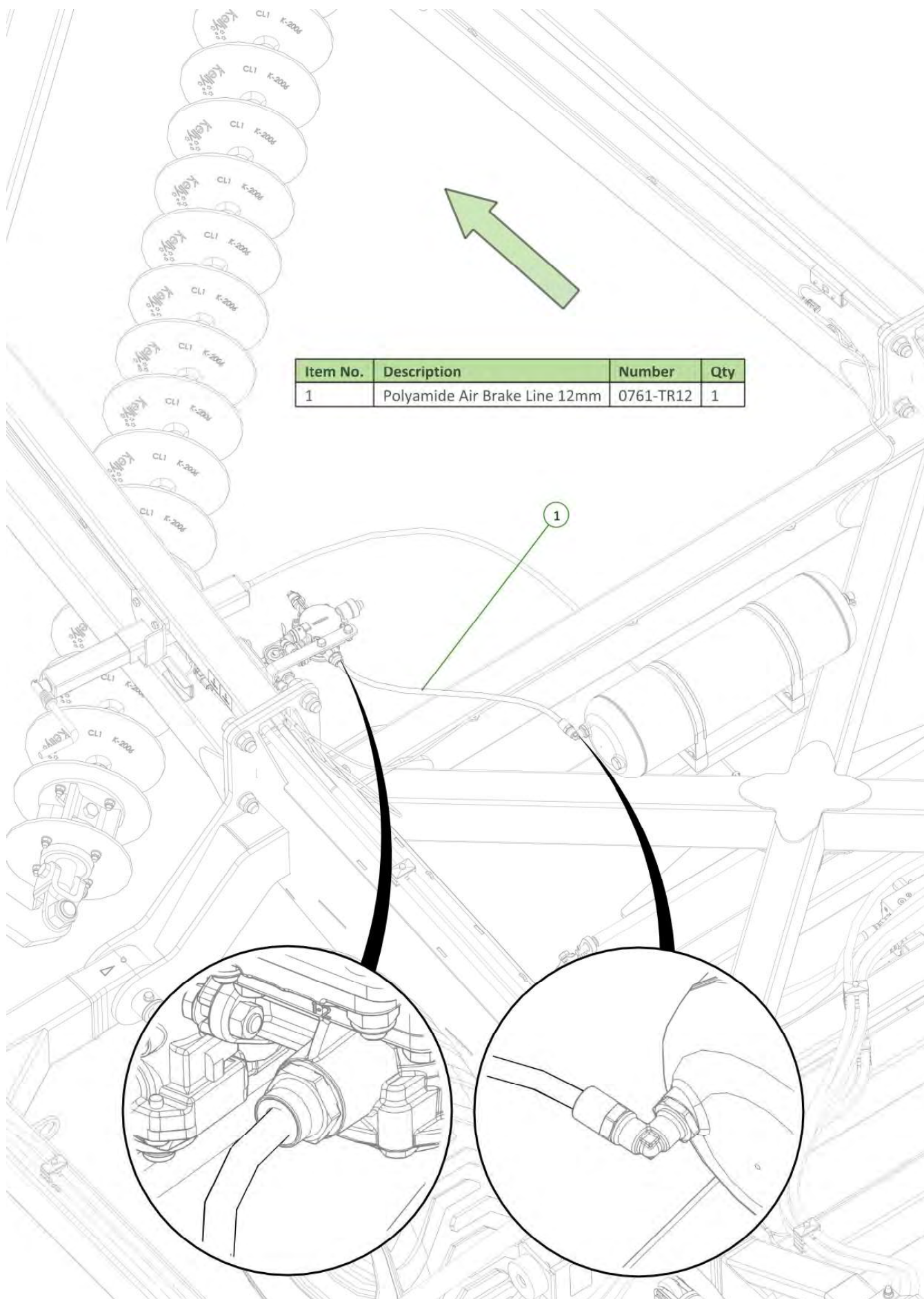
| Item No. | Description | Number | Qty |
|----------|-------------------------------|-----------------|-----|
| 1 | M16 Connector | 0761-8931291922 | 1 |
| 2 | T-Piece M16 x 1.5 | 0761-8935011944 | 1 |
| 3 | M16 x 12mm Air Hose Connector | 0761-8938000022 | 2 |
| 4 | M16 x 12mm Air Hose Connector | 0761-8938000022 | 1 |





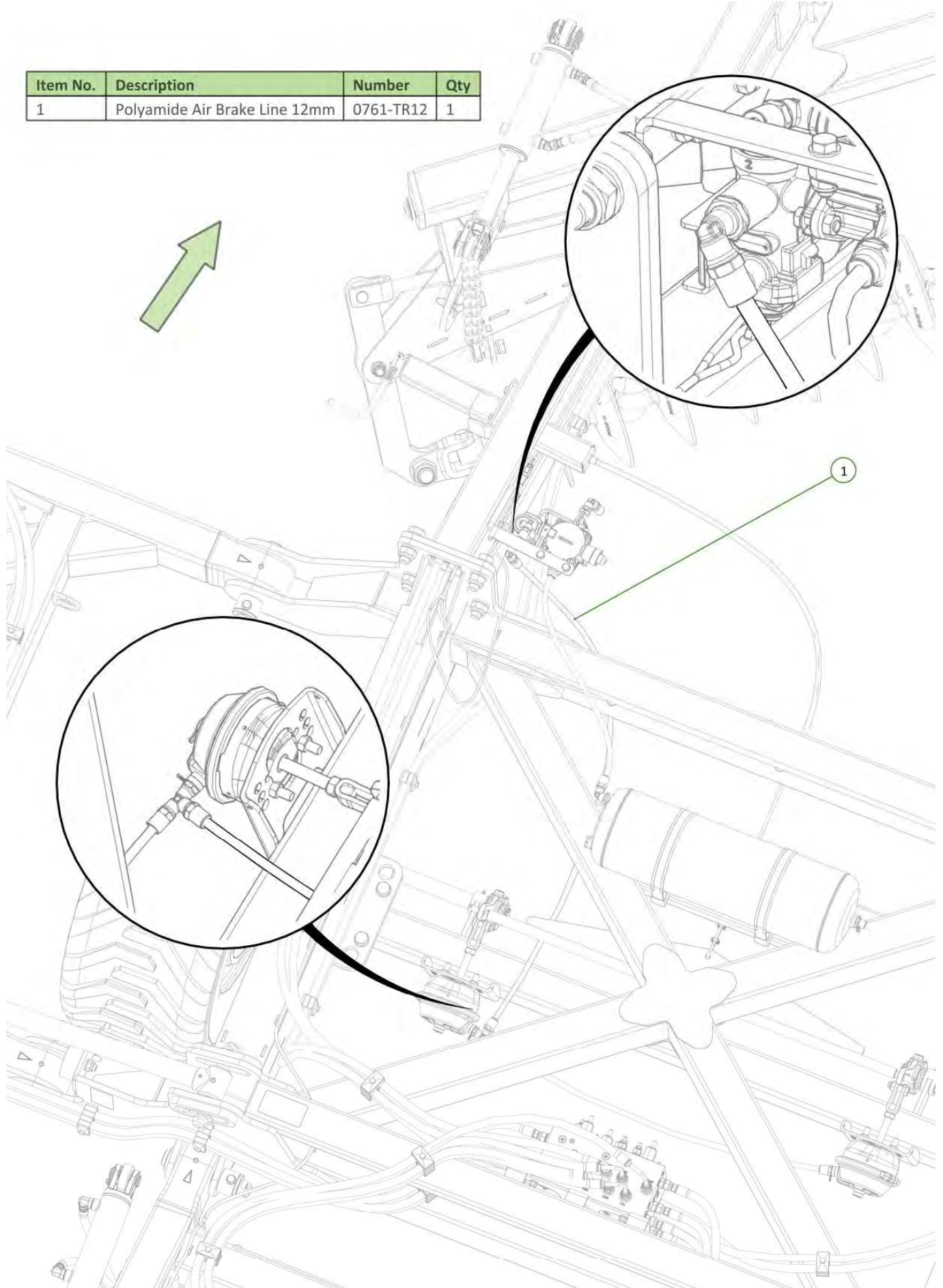
| Item No. | Description | Number | Qty |
|----------|-------------------------------|-----------|-----|
| 1 | Polyamide Air Brake Line 12mm | 0761-TR12 | 1 |

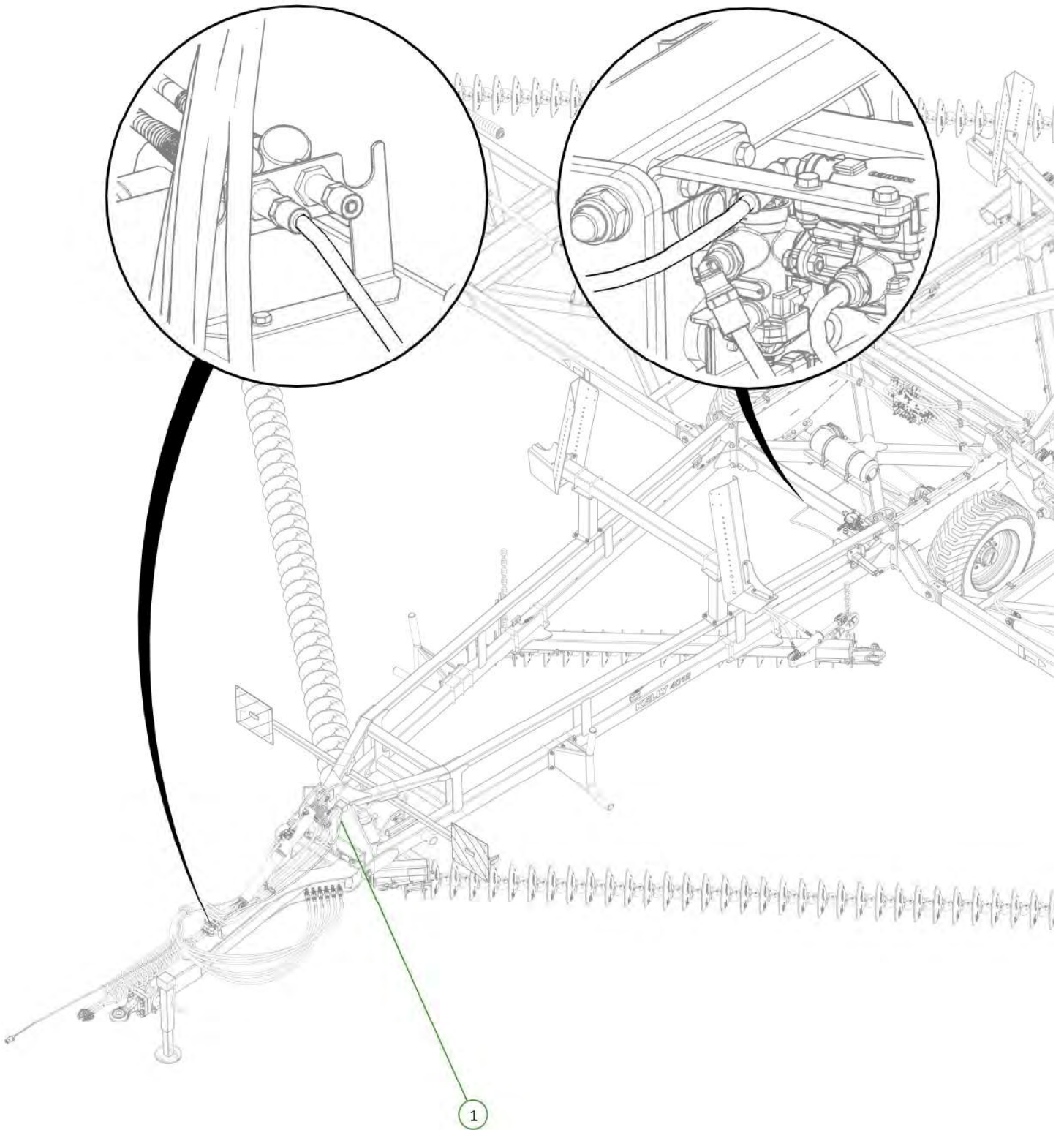




| Item No. | Description | Number | Qty |
|----------|-------------------------------|-----------|-----|
| 1 | Polyamide Air Brake Line 12mm | 0761-TR12 | 1 |

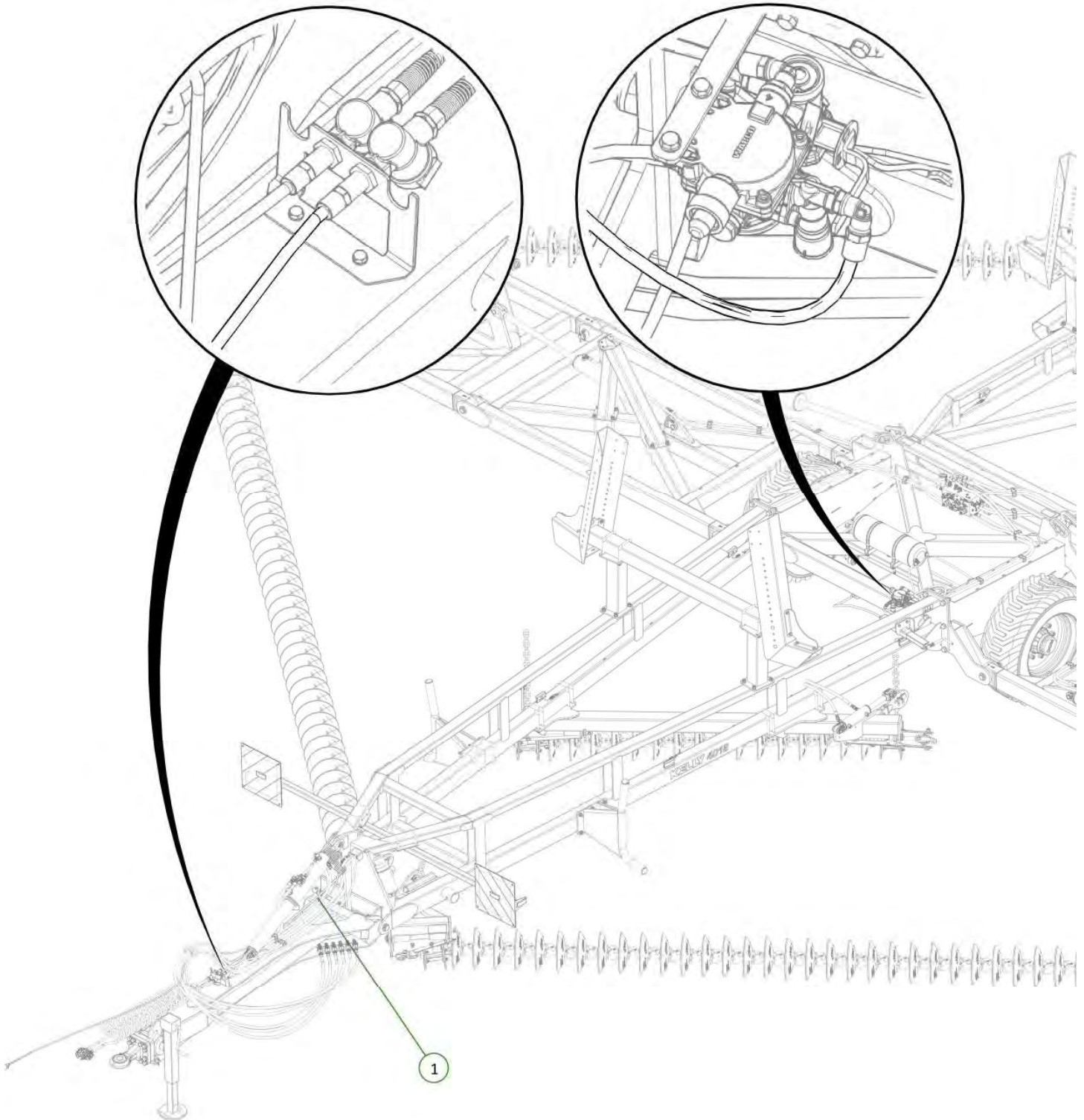
| Item No. | Description | Number | Qty |
|----------|-------------------------------|-----------|-----|
| 1 | Polyamide Air Brake Line 12mm | 0761-TR12 | 1 |





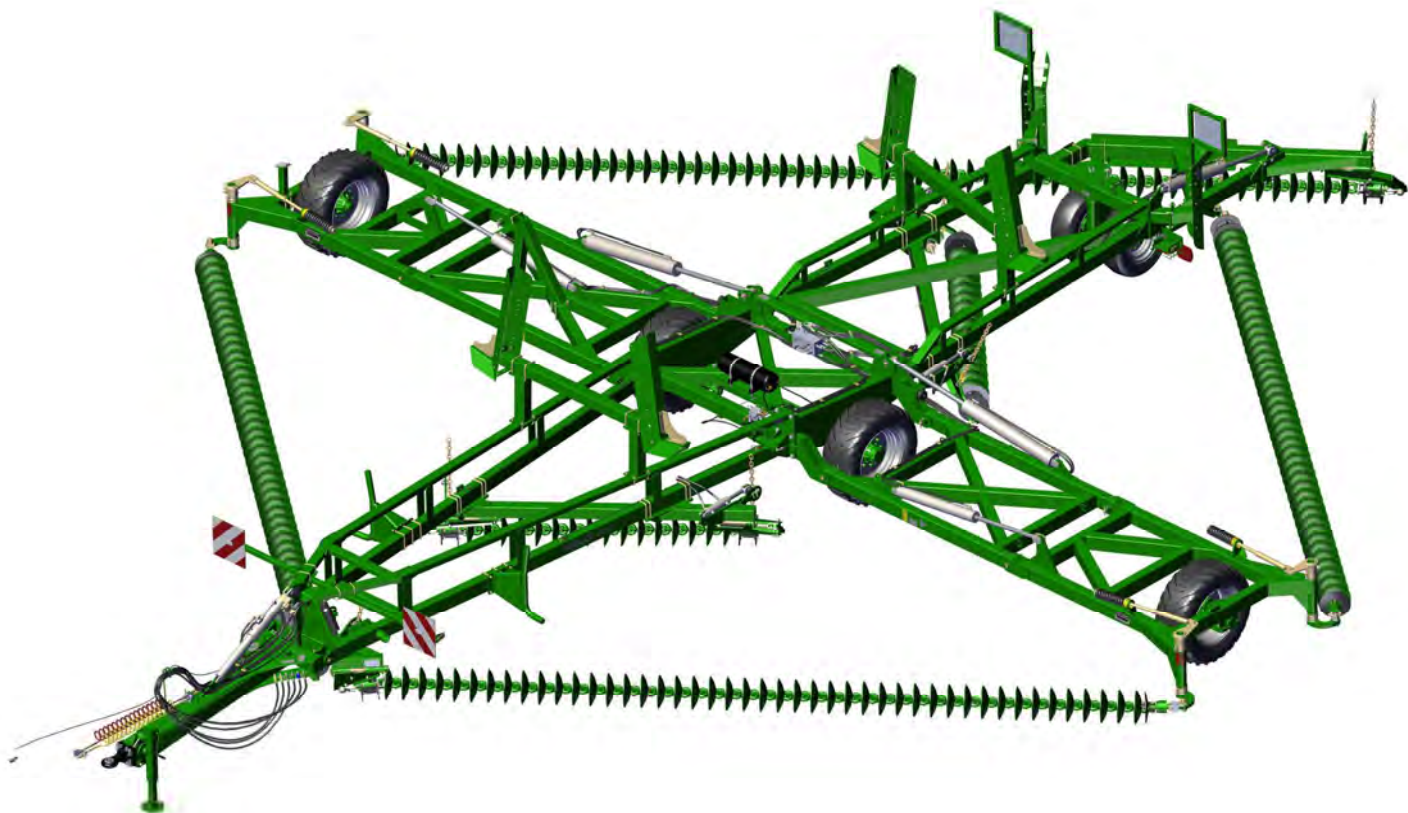
| Item No. | Description | Number | Qty |
|----------|-------------------------------|-----------|-----|
| 1 | Polyamide Air Brake Line 12mm | 0761-TR12 | 1 |





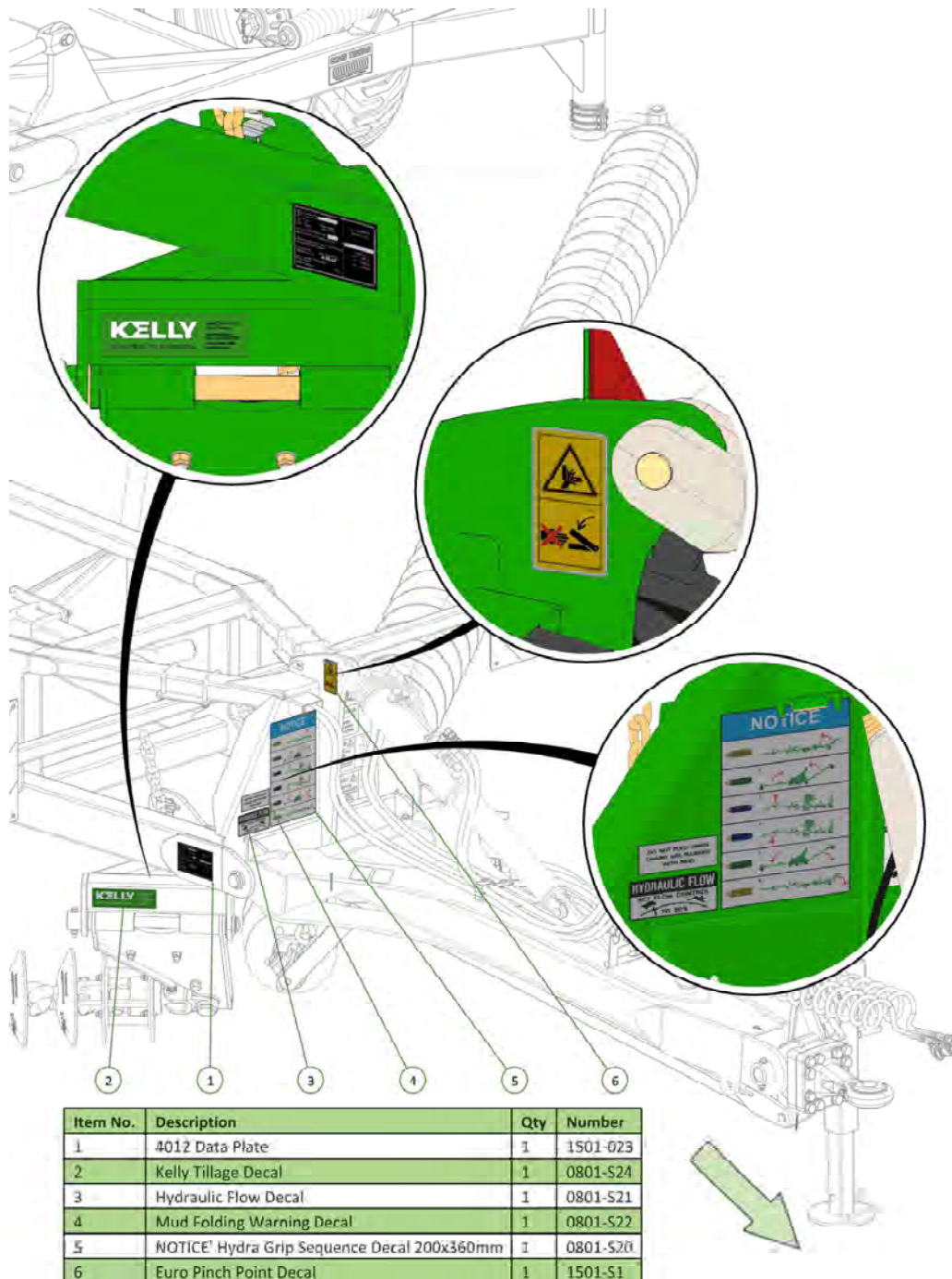
| Item No. | Description | Number | Qty |
|----------|-------------------------------|-----------|-----|
| 1 | Polyamide Air Brake Line 12mm | 0761-TR12 | 1 |

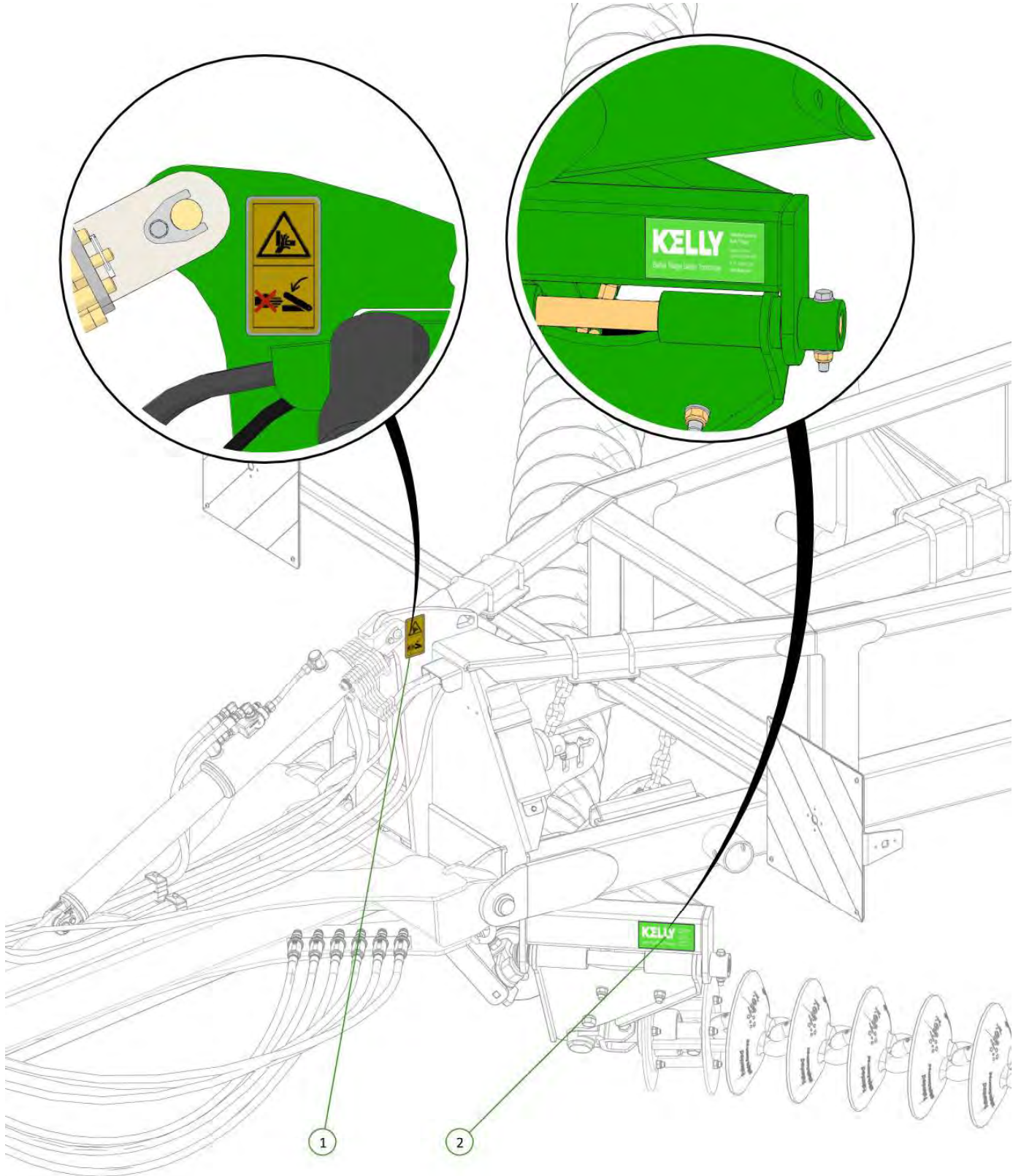






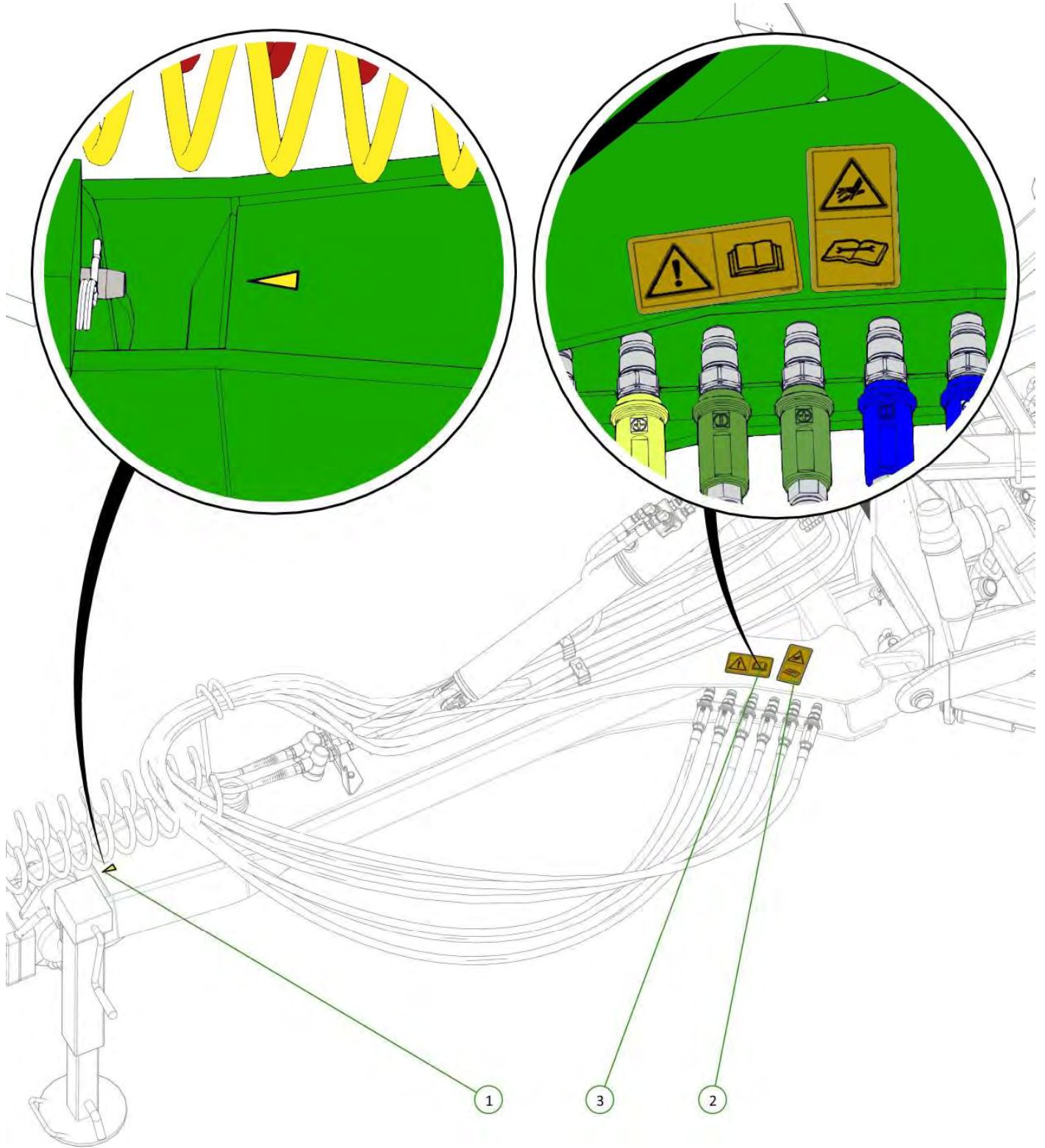
Section 4 - Decal Application



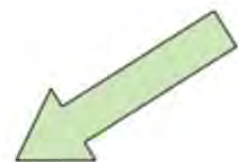


| Item No. | Description | Qty | Number |
|----------|------------------------|-----|----------|
| 1 | Euro Pinch Point Decal | 1 | 1501-S1 |
| 2 | Kelly Tillage Decal | 1 | 1501-S24 |

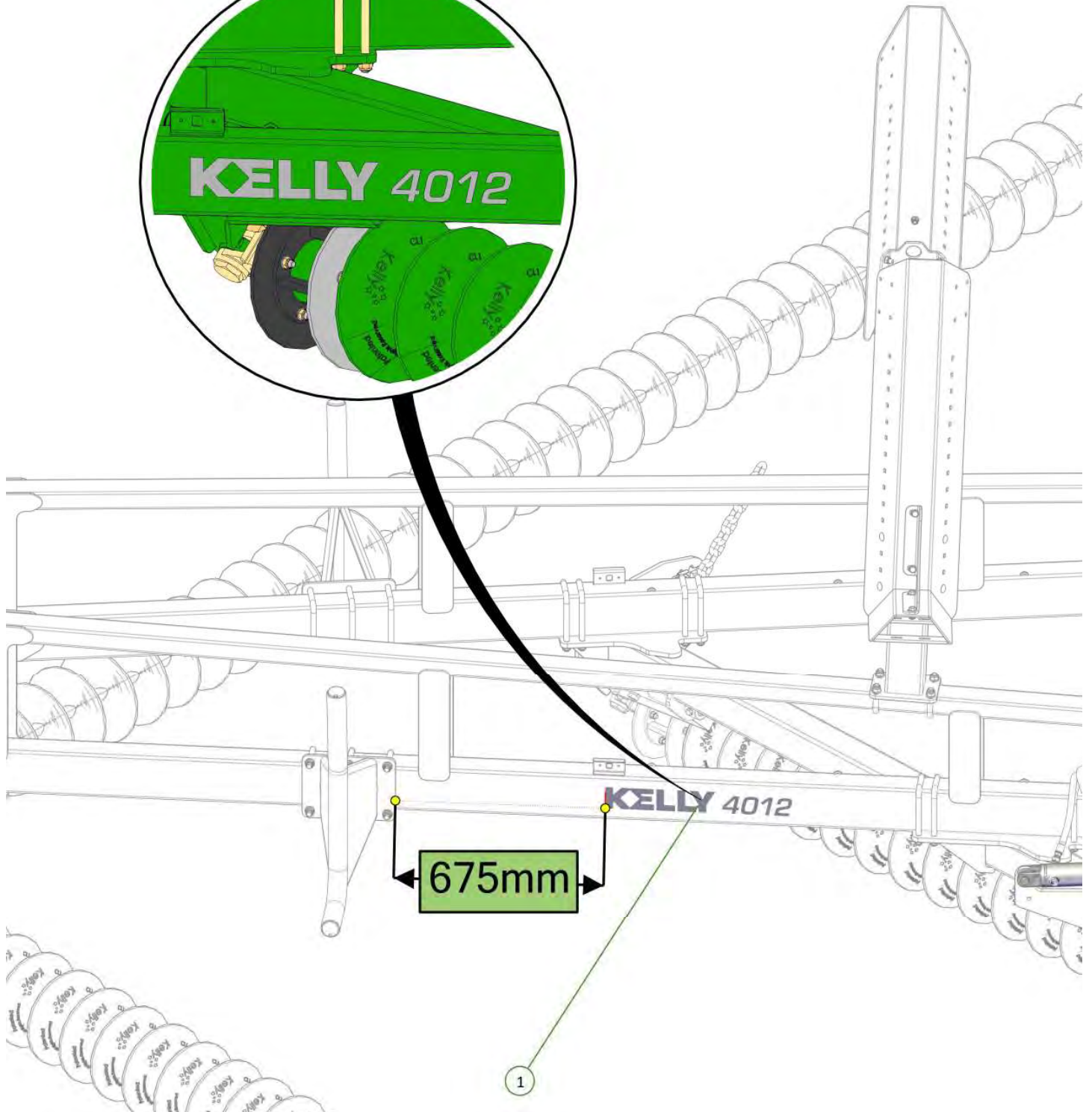
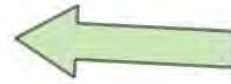




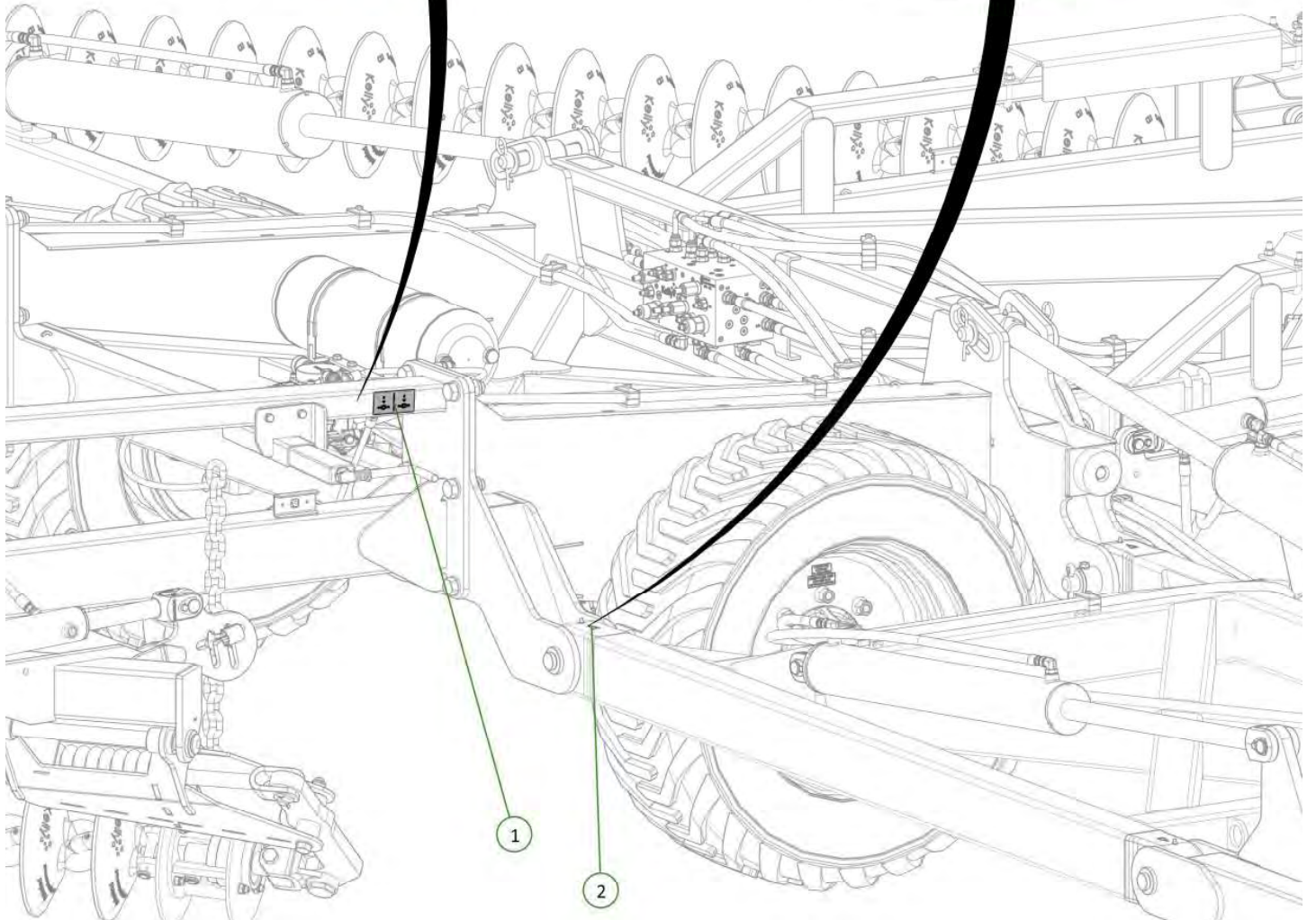
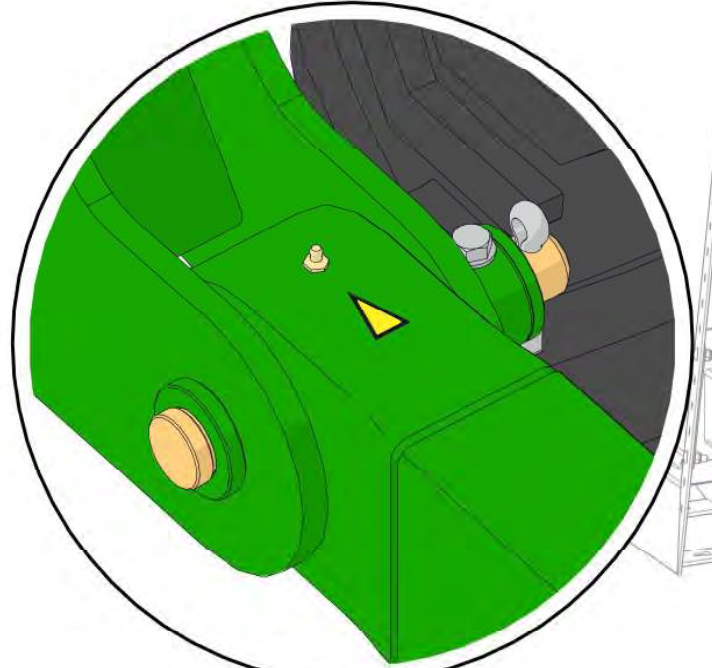
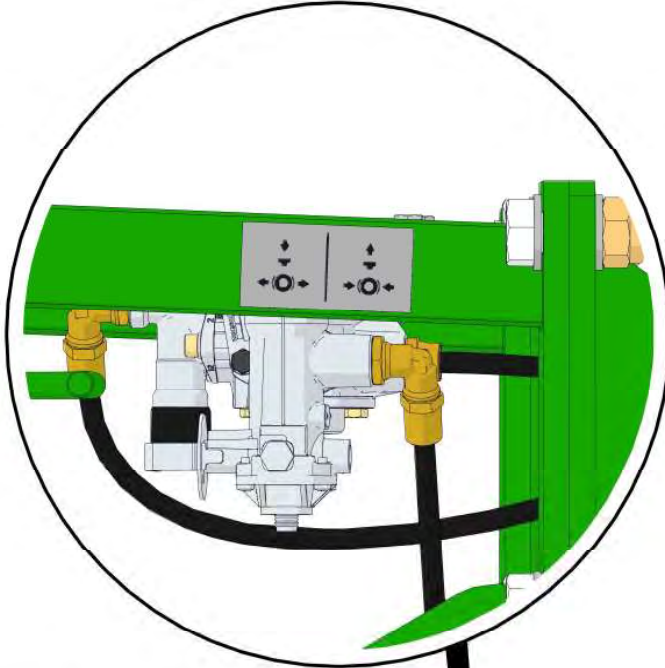
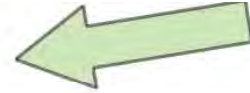
| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|----------|
| 1 | Grease Point Indicator | 1 | 1501-S12 |
| 2 | Hydraulic Pressure Hazard Decal | 1 | 1501-S9 |
| 3 | Read Manual Decal | 1 | 1501-S3 |

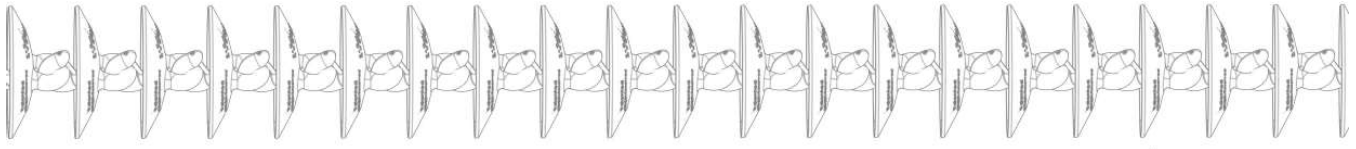
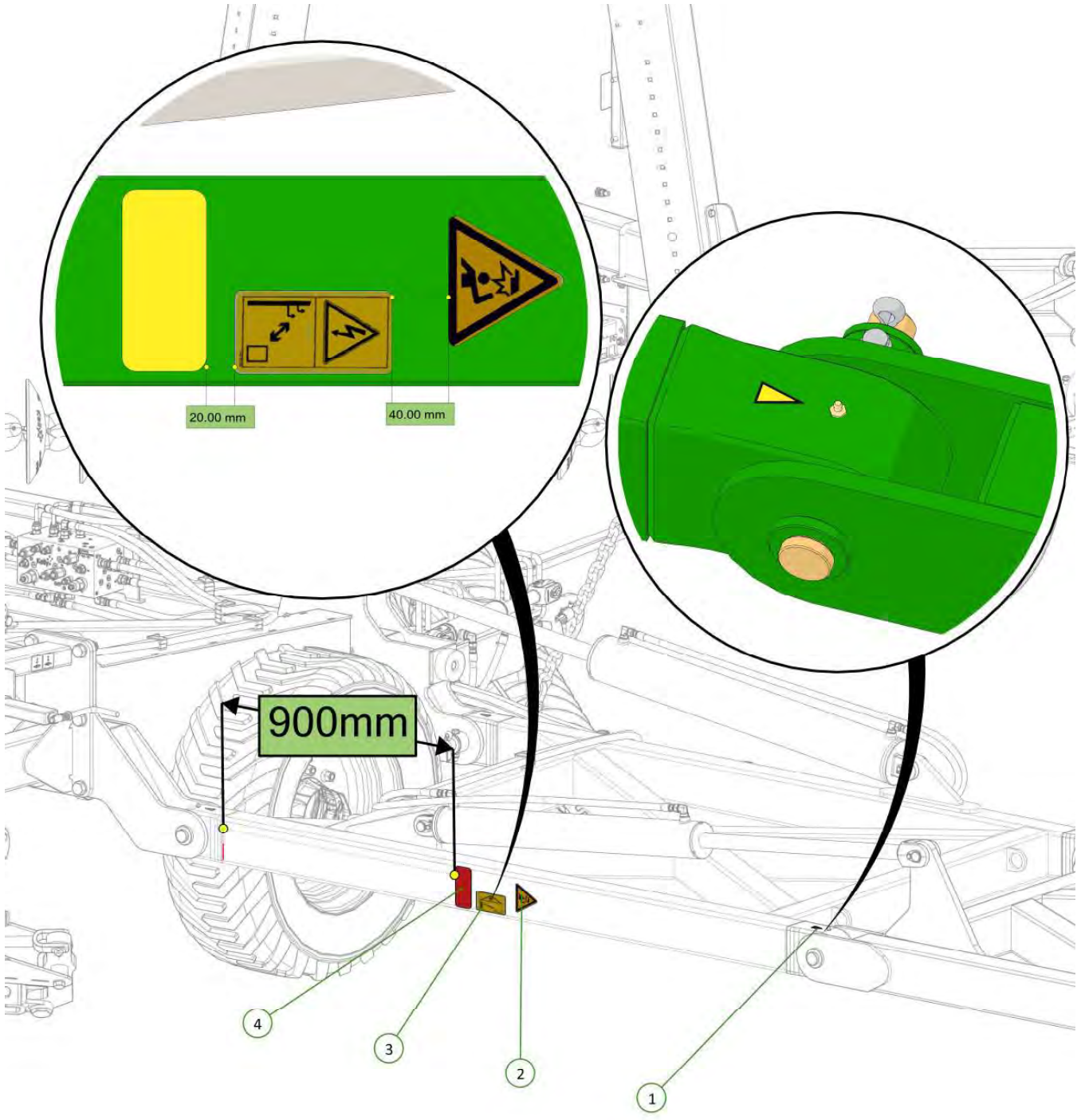


| Item No. | Description | Qty | Number |
|----------|--------------------------|-----|--------------|
| 1 | Kelly Tillage 4012 Decal | 1 | 0801-SKT4012 |

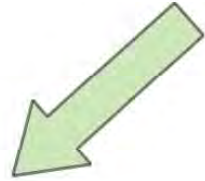


| Item No. | Description | Qty | Number |
|----------|------------------------|-----|----------|
| 1 | Euro Park Brake Decal | 1 | 1501-S2 |
| 2 | Grease Point Indicator | 1 | 1501-S12 |

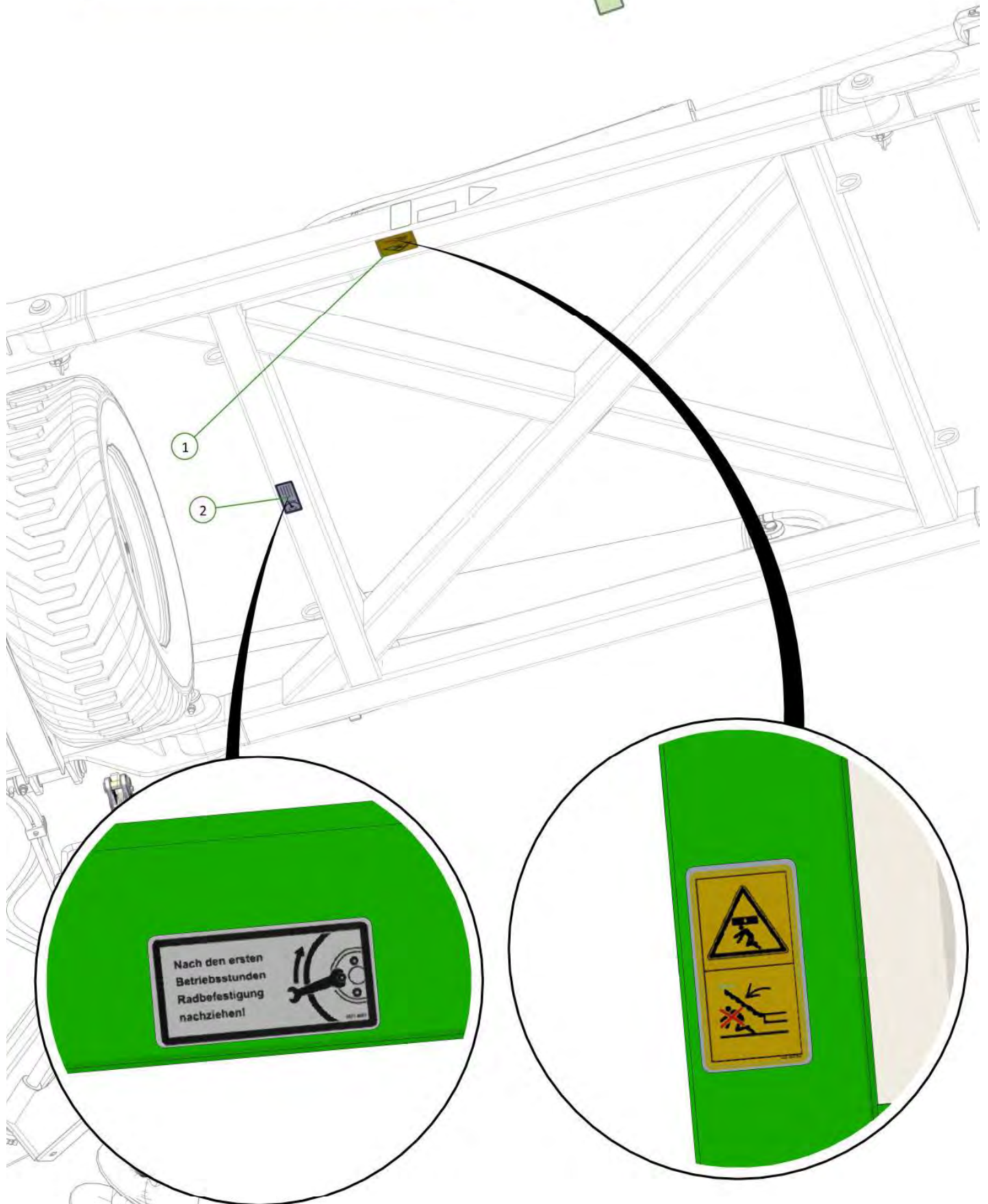


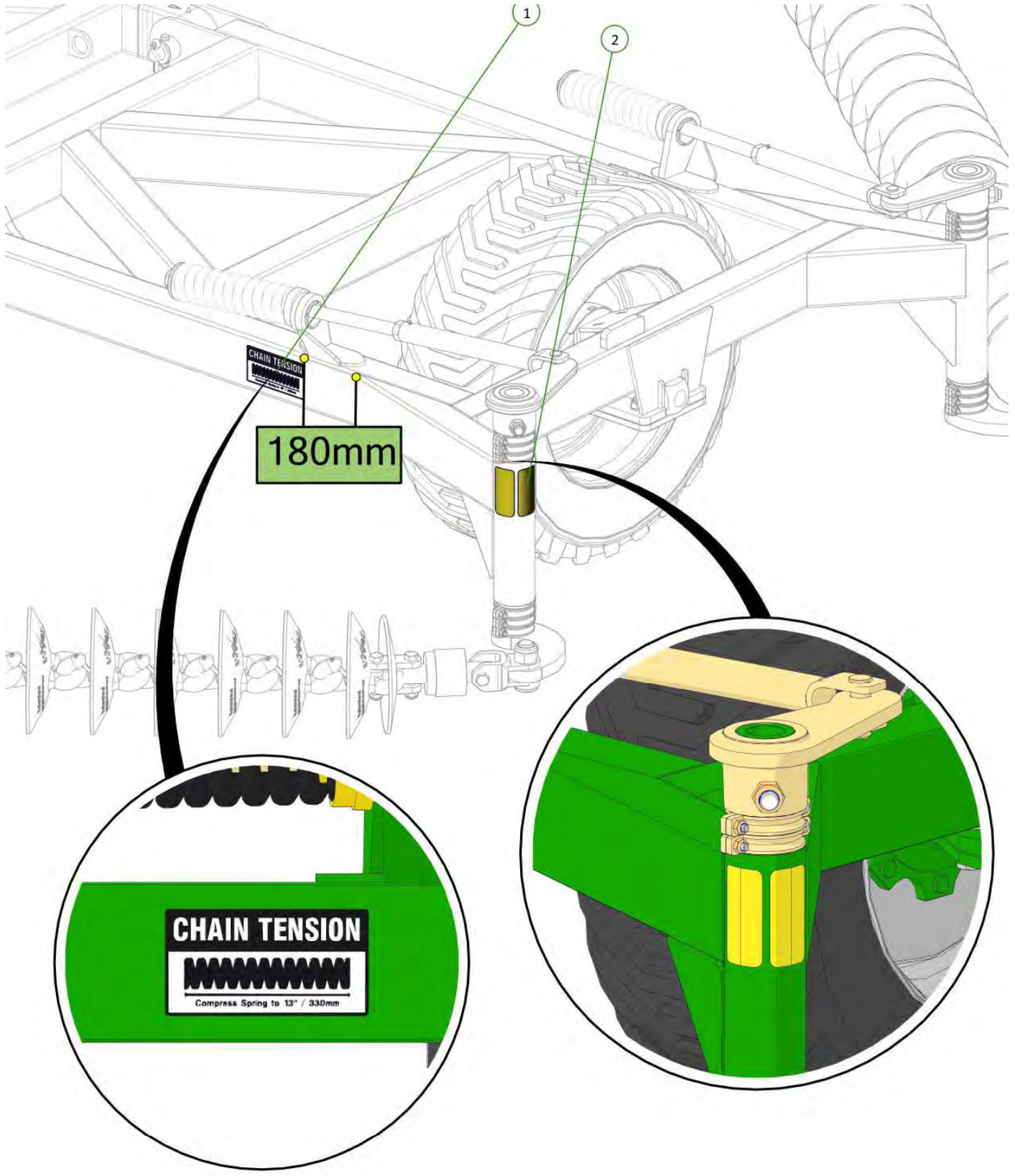


| Item No. | Description | Qty | Number |
|----------|-------------------------|-----|-----------|
| 1 | Grease Point Indicator | 1 | 1501-S12 |
| 2 | Overhead Objects Decal | 1 | 1501-S7 |
| 3 | Power Line Hazard Decal | 1 | 1501-S8 |
| 4 | Yellow Reflective Decal | 1 | 0801-SYRF |

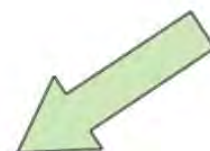


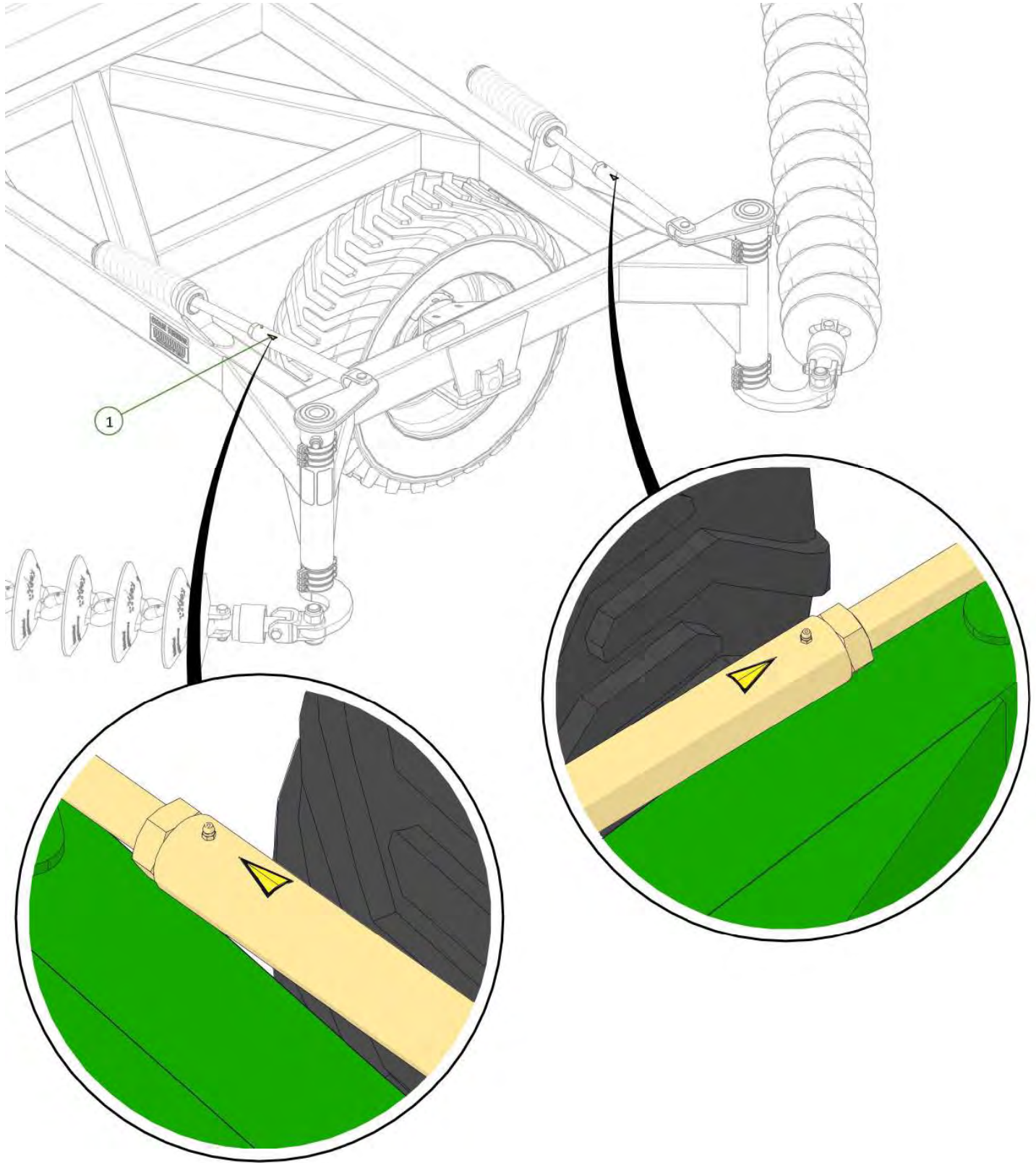
| Item No. | Description | Qty | Number |
|----------|--------------------|-----|---------|
| 1 | Crush Hazard Decal | 1 | 1501-S6 |
| 2 | Wheel Nut Decal | 1 | 1501-S5 |



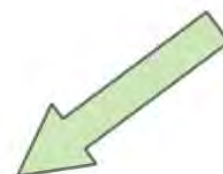


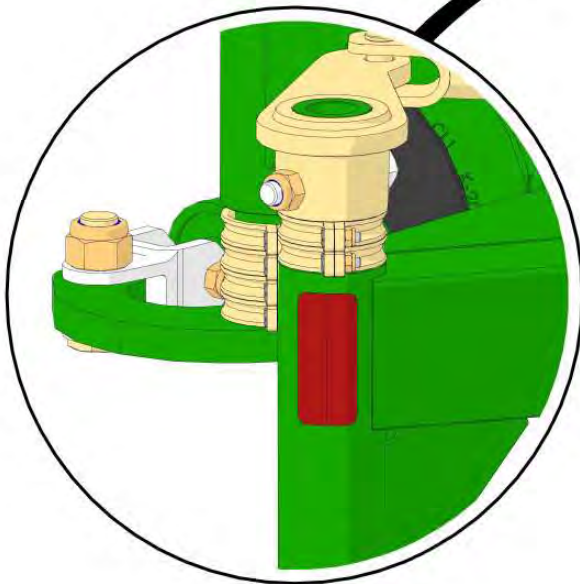
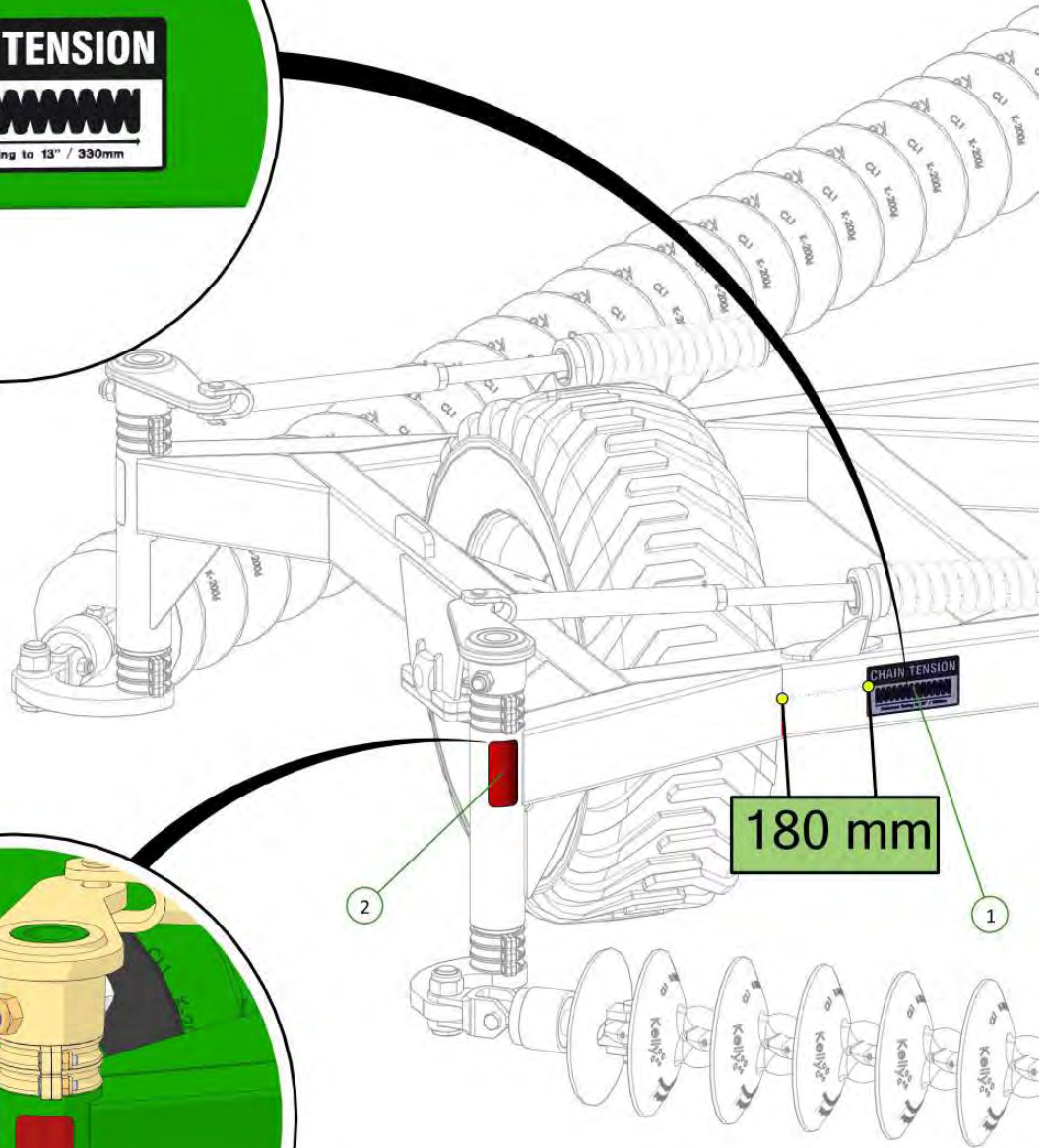
| Item No. | Description | Qty | Number |
|----------|---------------------------|-----|-----------|
| 1 | Chain Tension 330mm Decal | 1 | 0801-S15 |
| 2 | Yellow Reflective Decal | 2 | 0801-SYRF |





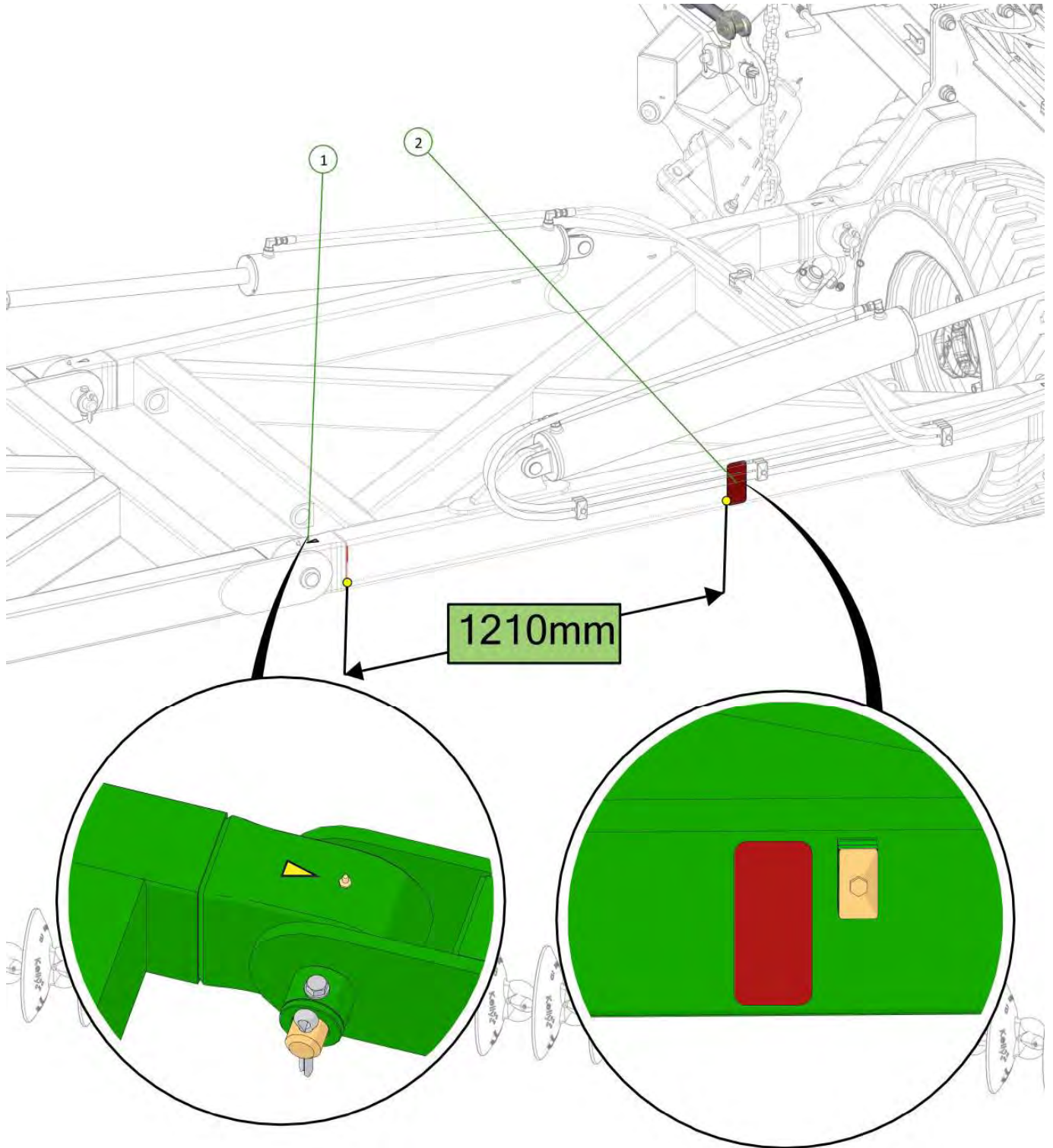
| Item No. | Description | Qty | Number |
|----------|------------------------|-----|----------|
| 1 | Grease Point Indicator | 2 | 1501-S12 |



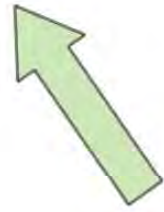


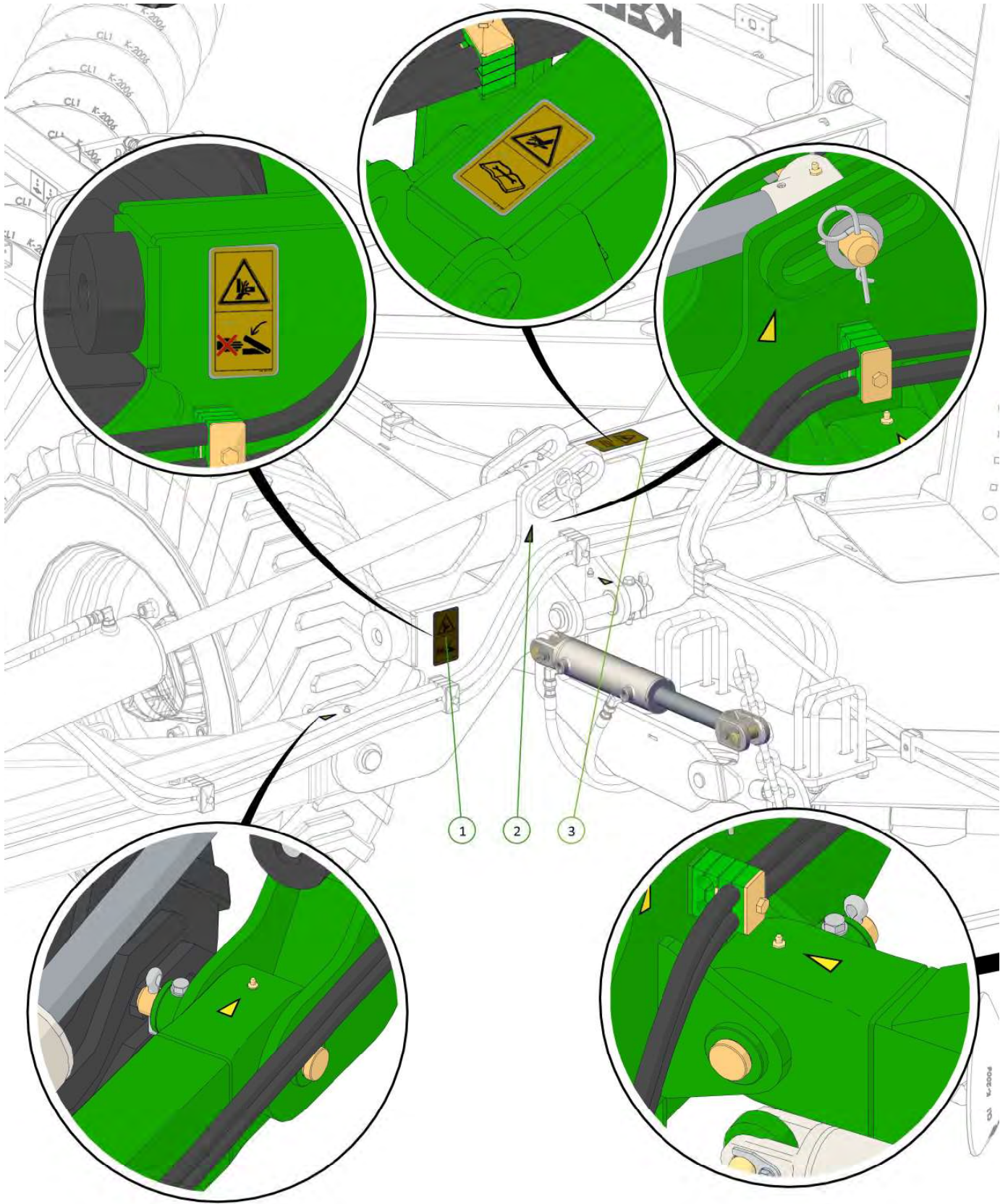
| Item No. | Description | Qty | Number |
|----------|---------------------------|-----|----------|
| 1 | Chain Tension 330mm Decal | 1 | 0801-S15 |
| 2 | Red Reflective Decal | 2 | 0801-S |





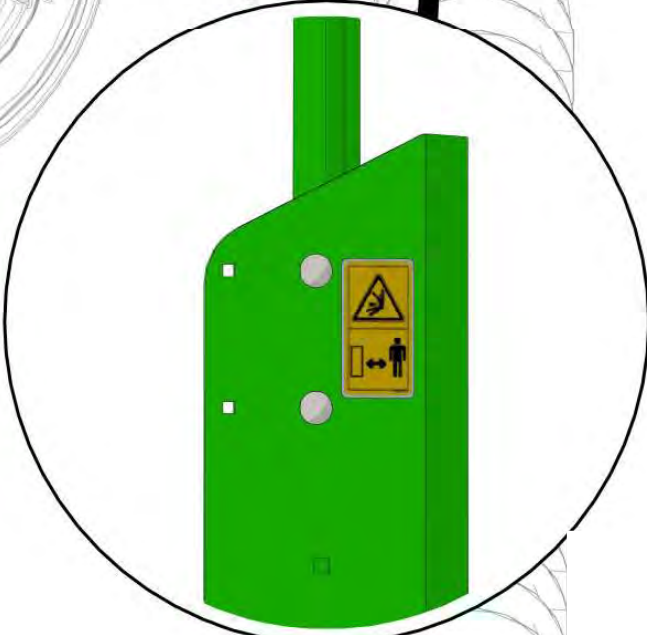
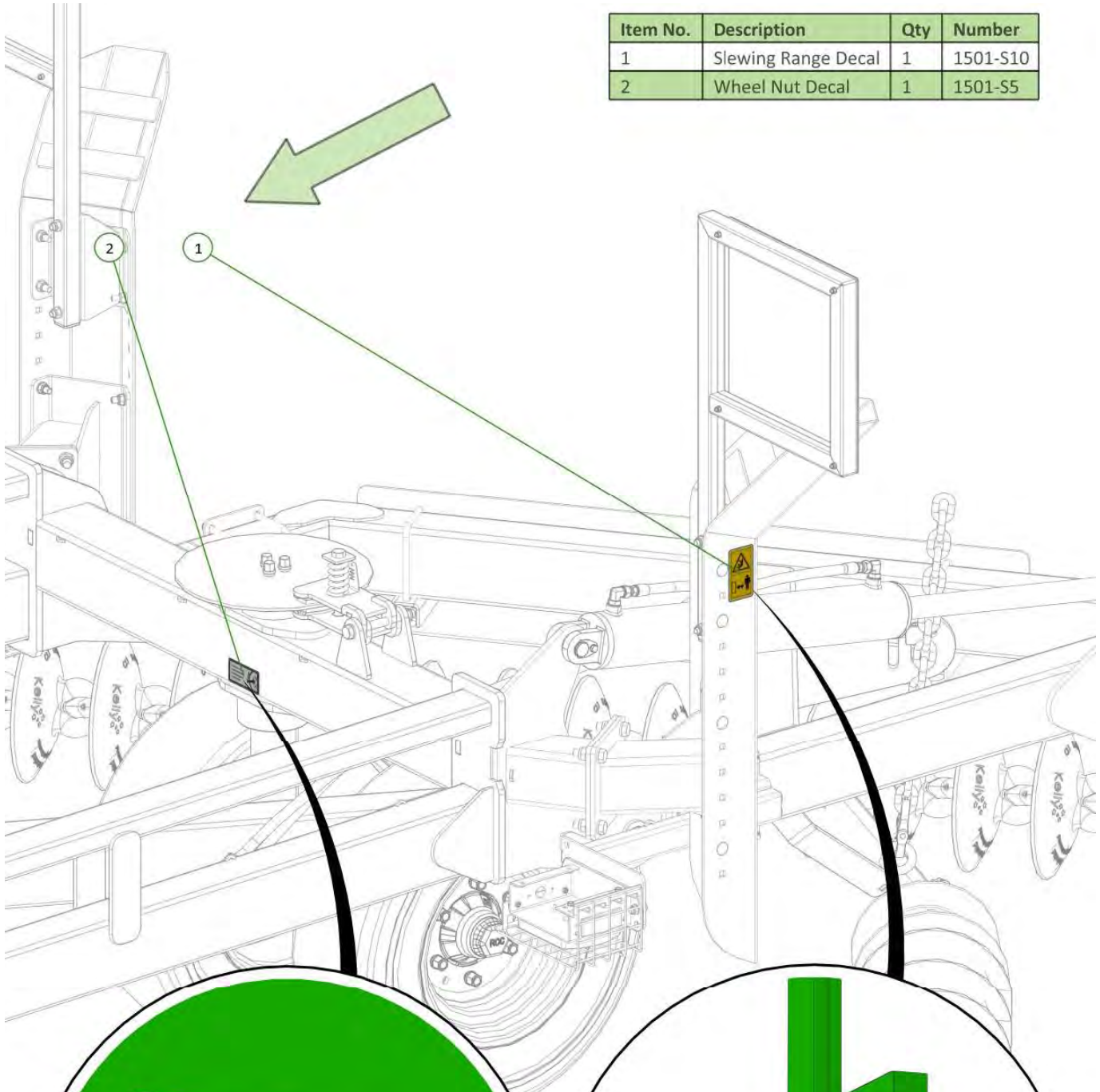
| Item No. | Description | Qty | Number |
|----------|------------------------|-----|-----------|
| 1 | Grease Point Indicator | 1 | 1501-S12 |
| 2 | Red Reflective Decal | 1 | 0801-SRRF |

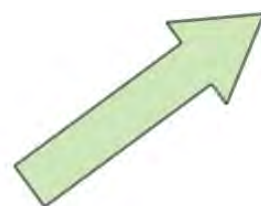
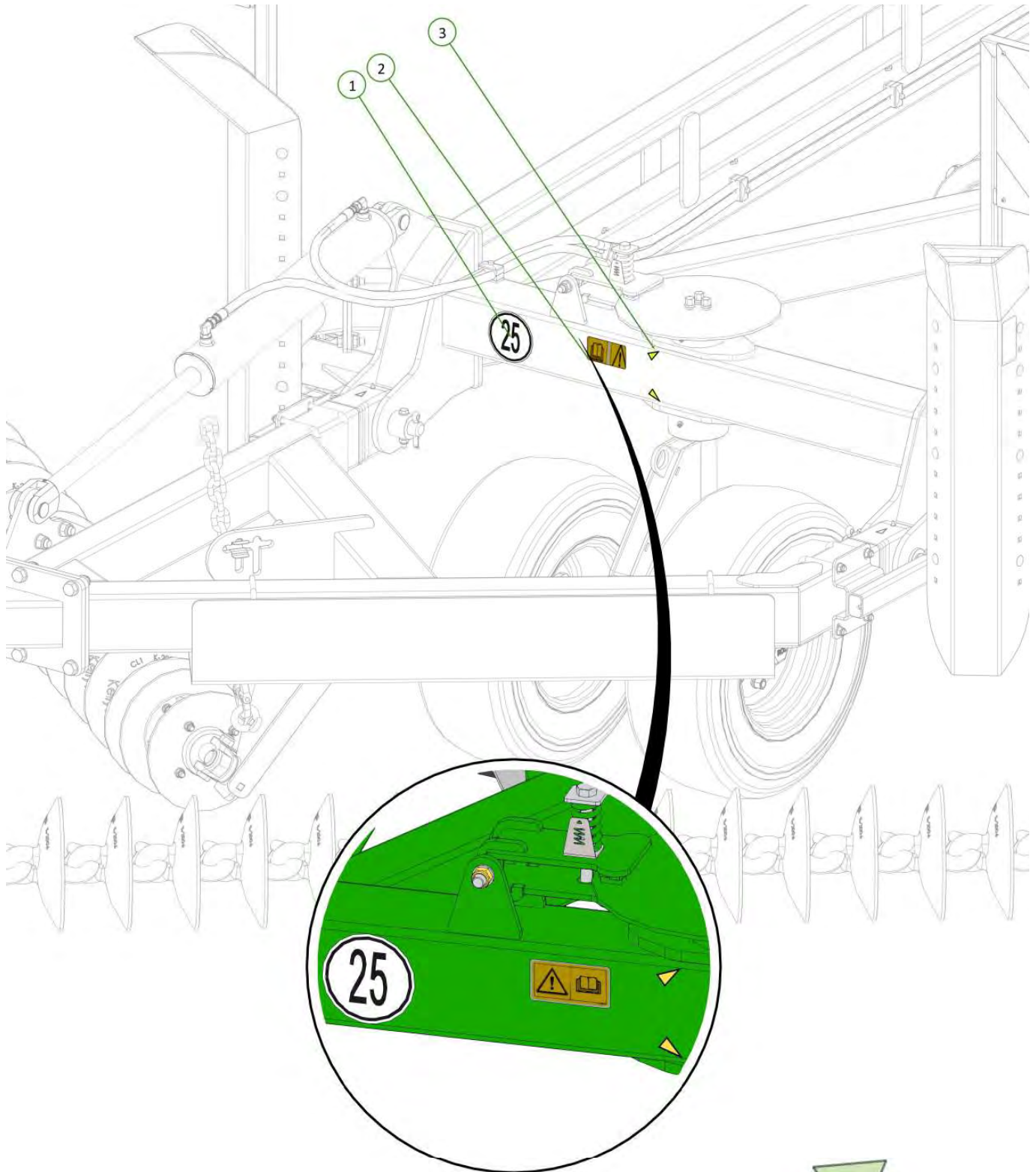




| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|----------|
| 1 | Euro Pinch Point Decal | 1 | 1501-S1 |
| 2 | Grease Point Indicator | 3 | 1501-S12 |
| 3 | Hydraulic Pressure Hazard Decal | 1 | 1501-S9 |

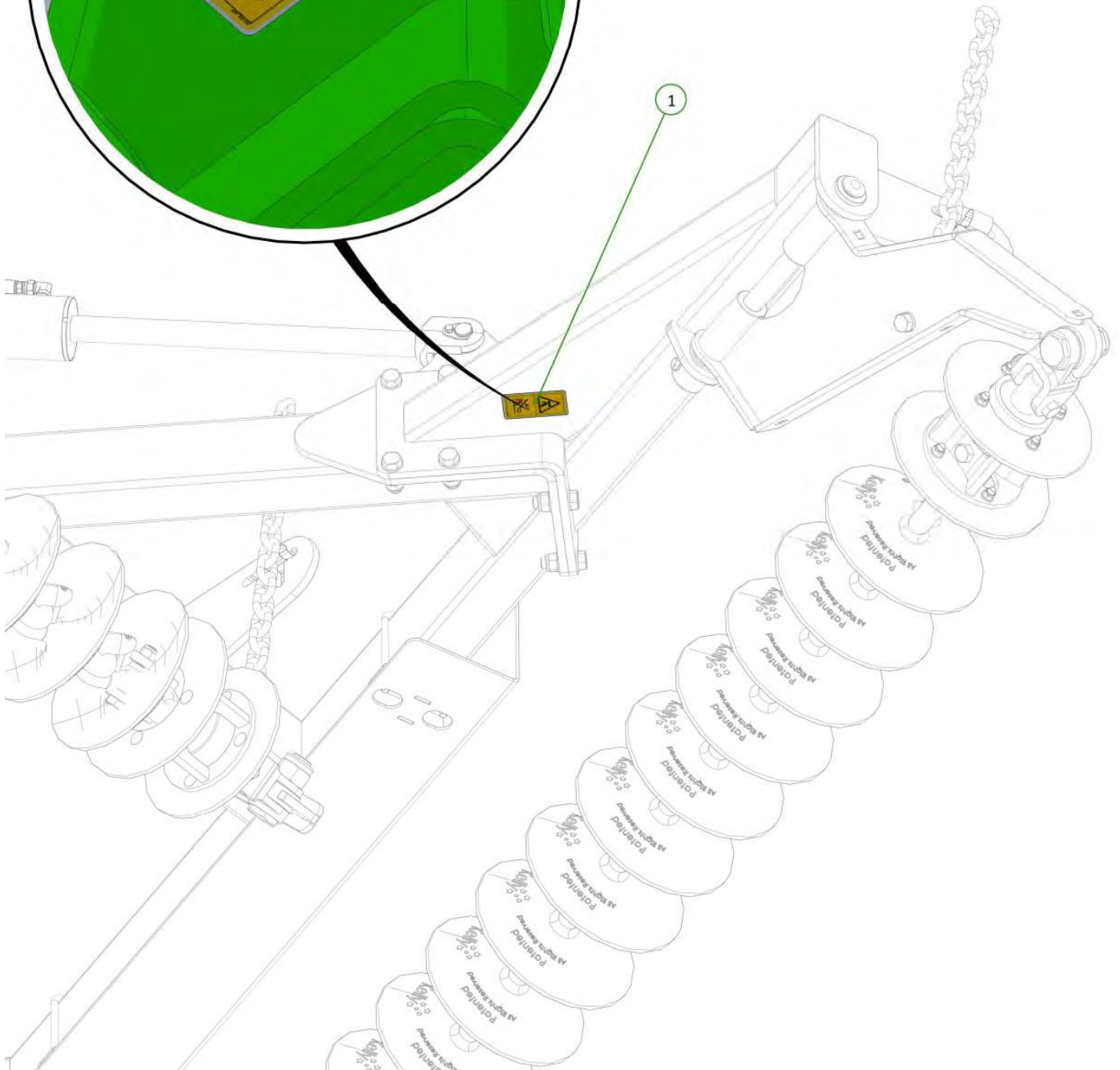
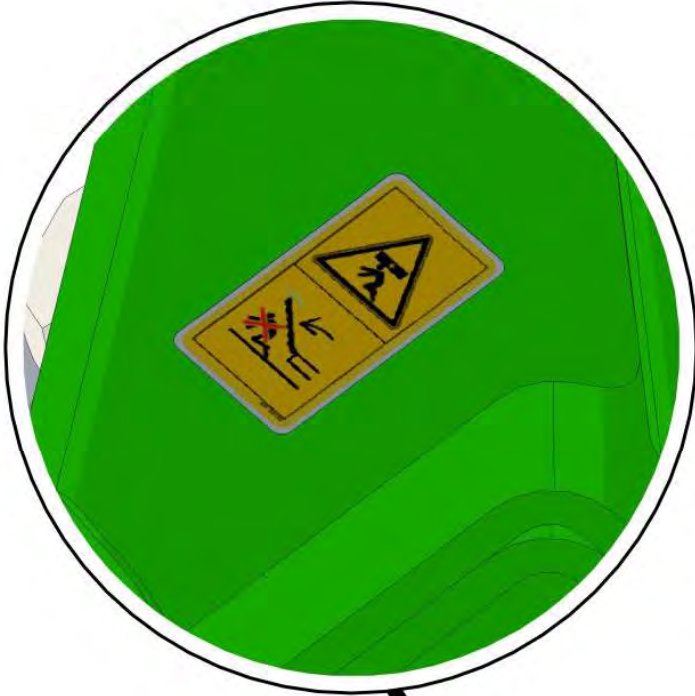
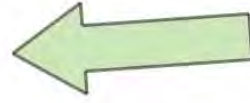
| Item No. | Description | Qty | Number |
|----------|---------------------|-----|----------|
| 1 | Slewing Range Decal | 1 | 1501-S10 |
| 2 | Wheel Nut Decal | 1 | 1501-S5 |



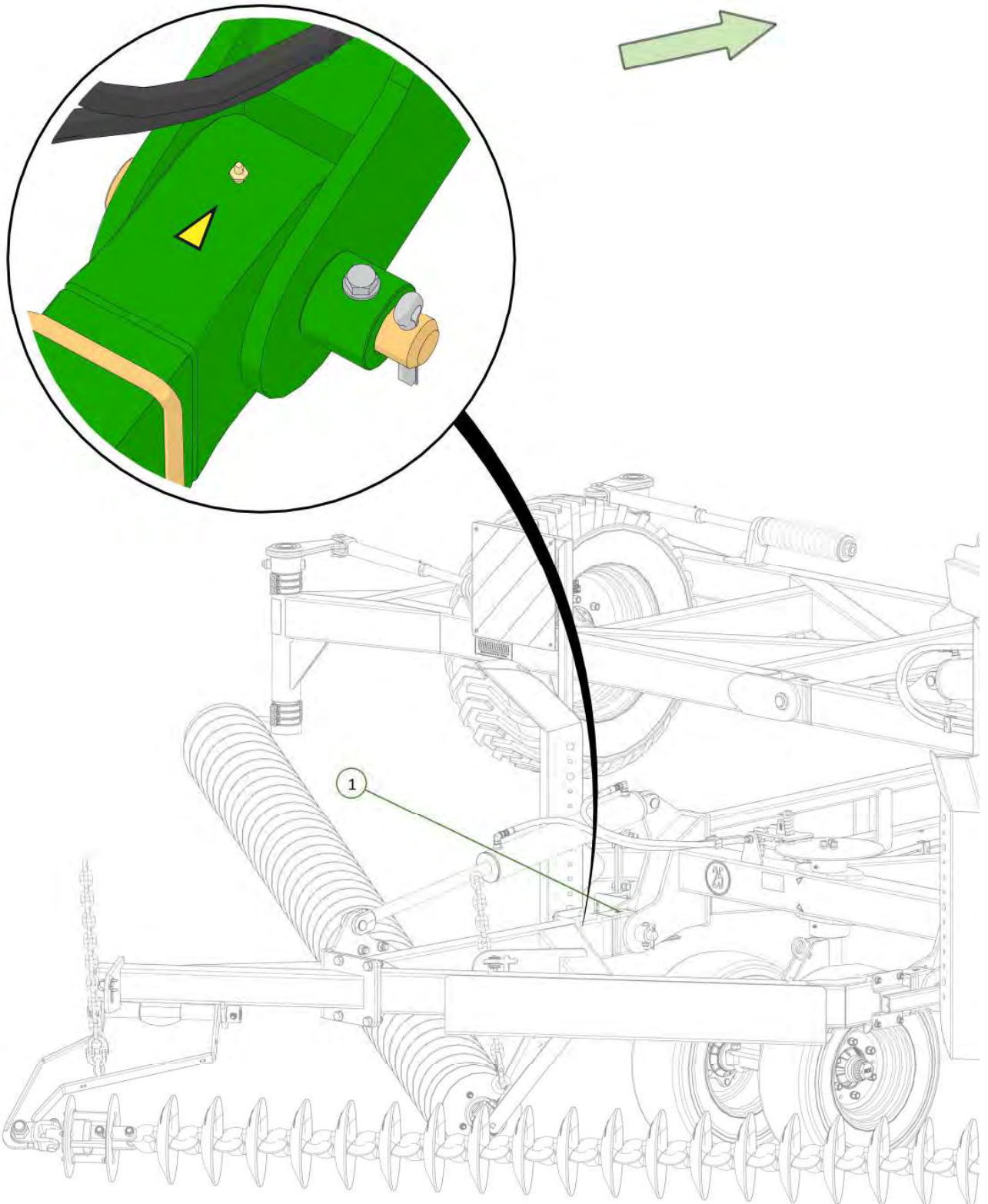


| Item No. | Description | Qty | Number |
|----------|--------------------------|-----|----------|
| 1 | 25km/h Speed Limit Decal | 1 | 1501-S13 |
| 2 | Read Manual Decal | 1 | 1501-S3 |
| 3 | Grease Point Indicator | 2 | 1501-S12 |

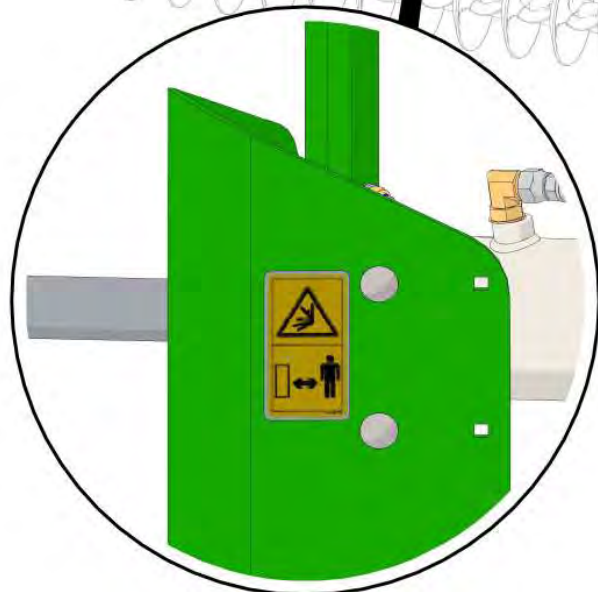
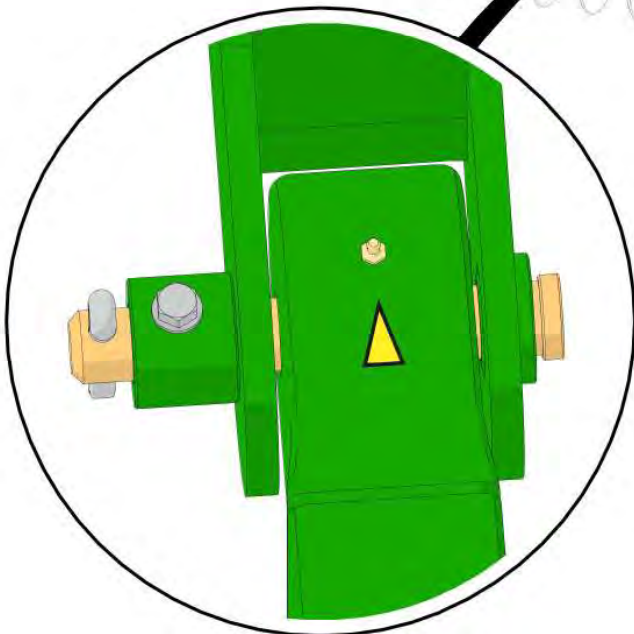
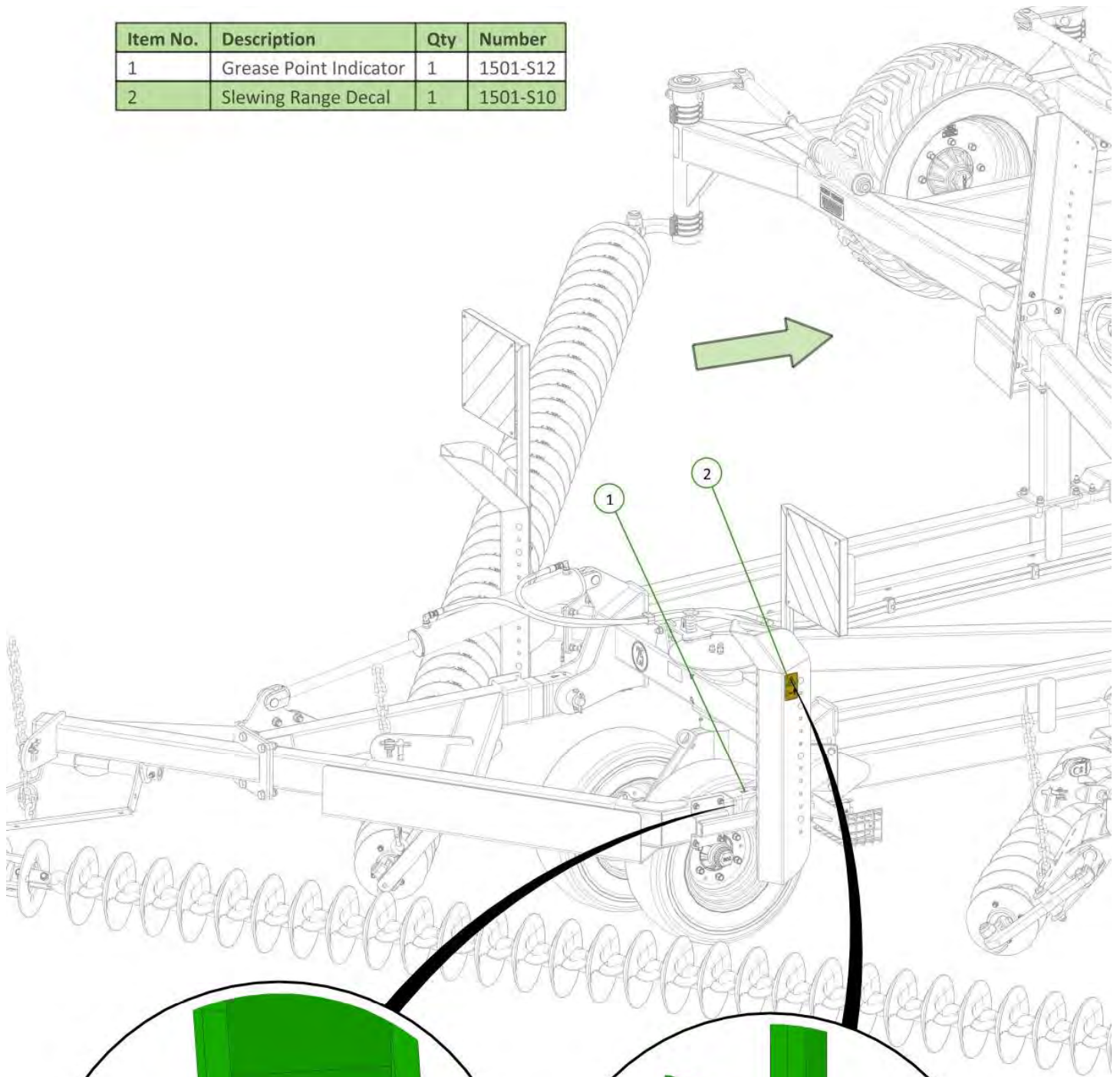
| Item No. | Description | Qty | Number |
|----------|--------------------|-----|---------|
| 1 | Crush Hazard Decal | 1 | 1501-S6 |

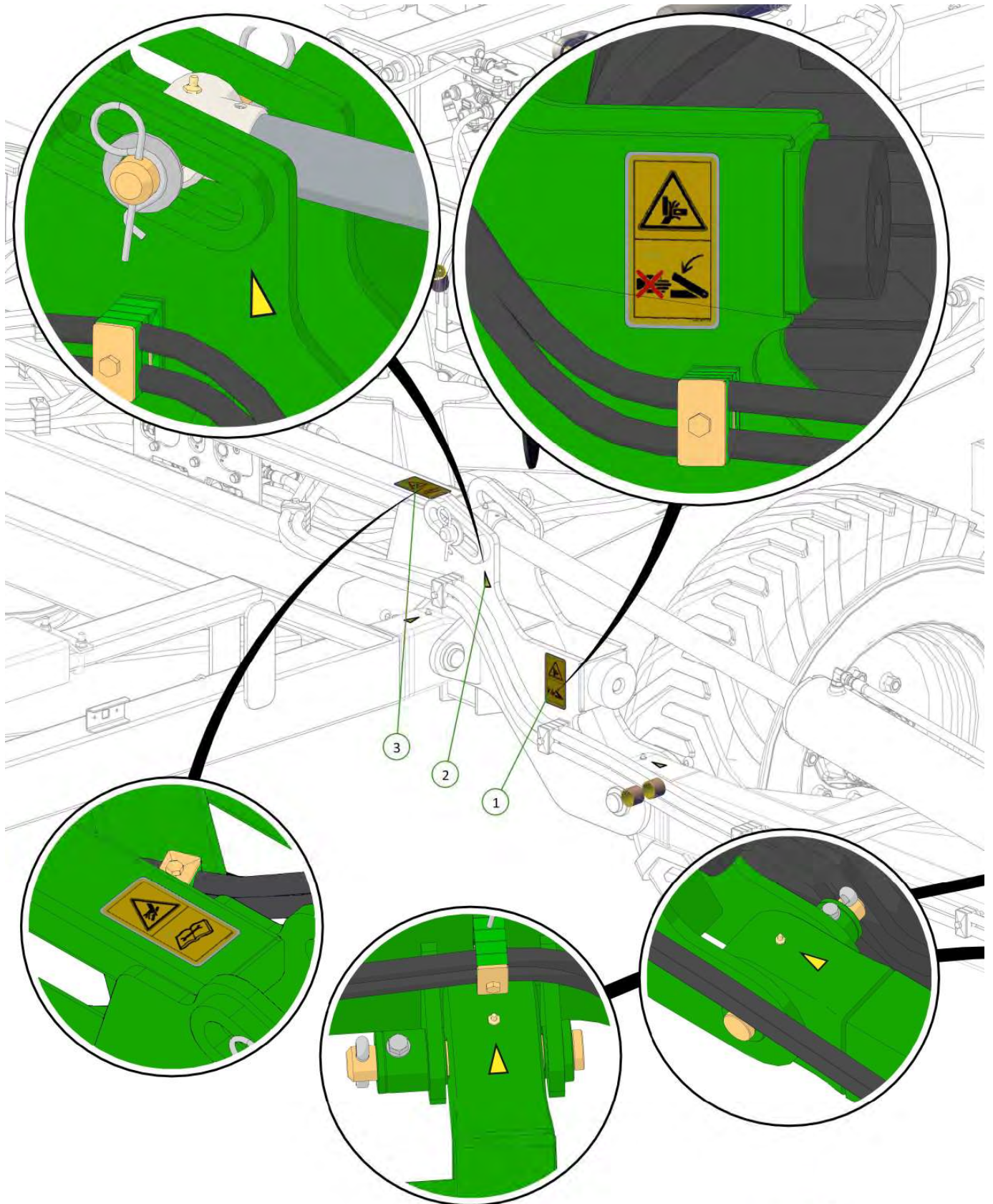


| Item No. | Description | Qty | Number |
|----------|------------------------|-----|----------|
| 1 | Grease Point Indicator | 1 | 1501-S12 |

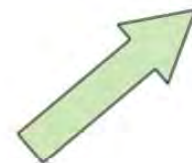


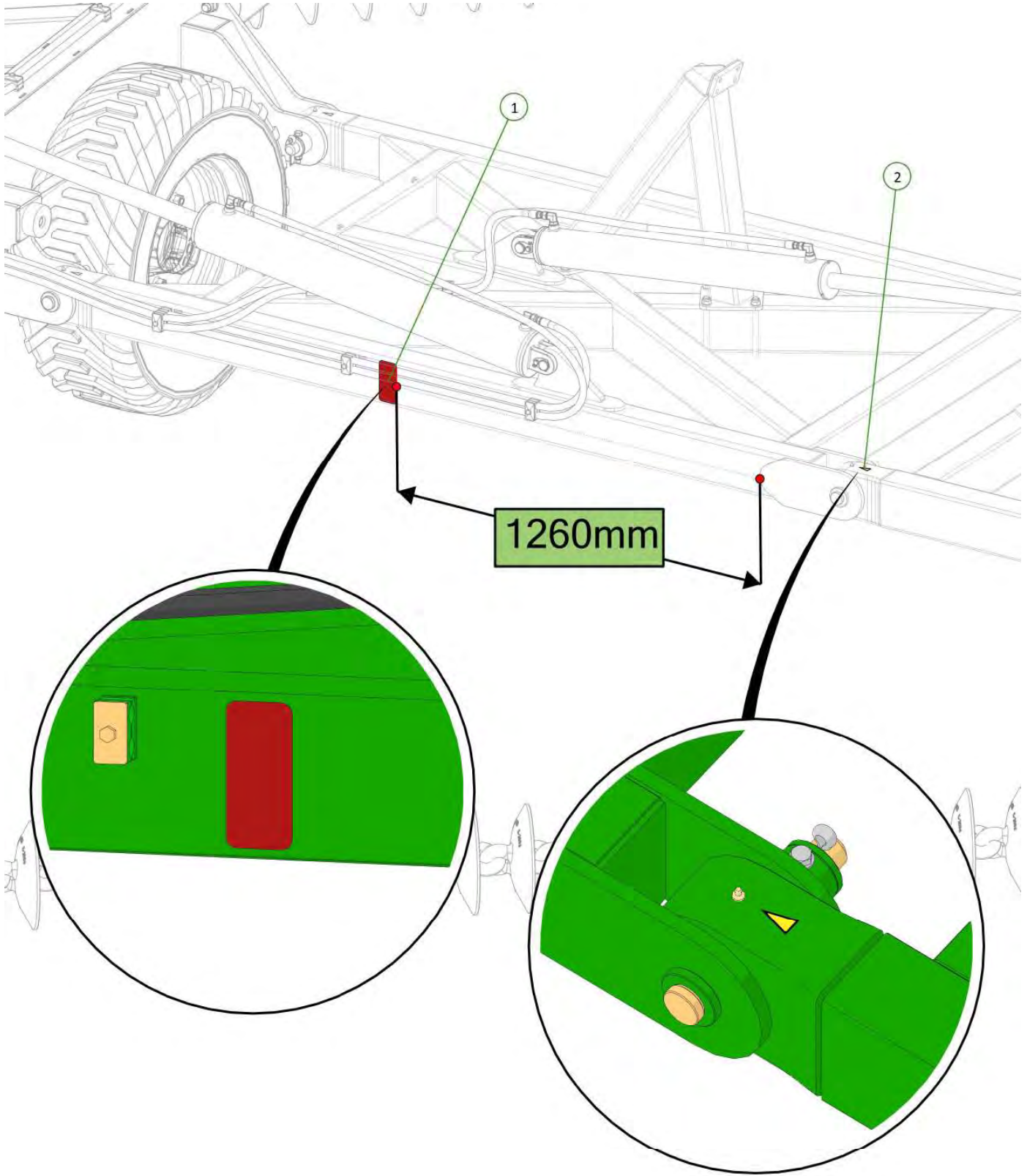
| Item No. | Description | Qty | Number |
|----------|------------------------|-----|----------|
| 1 | Grease Point Indicator | 1 | 1501-S12 |
| 2 | Slewing Range Decal | 1 | 1501-S10 |





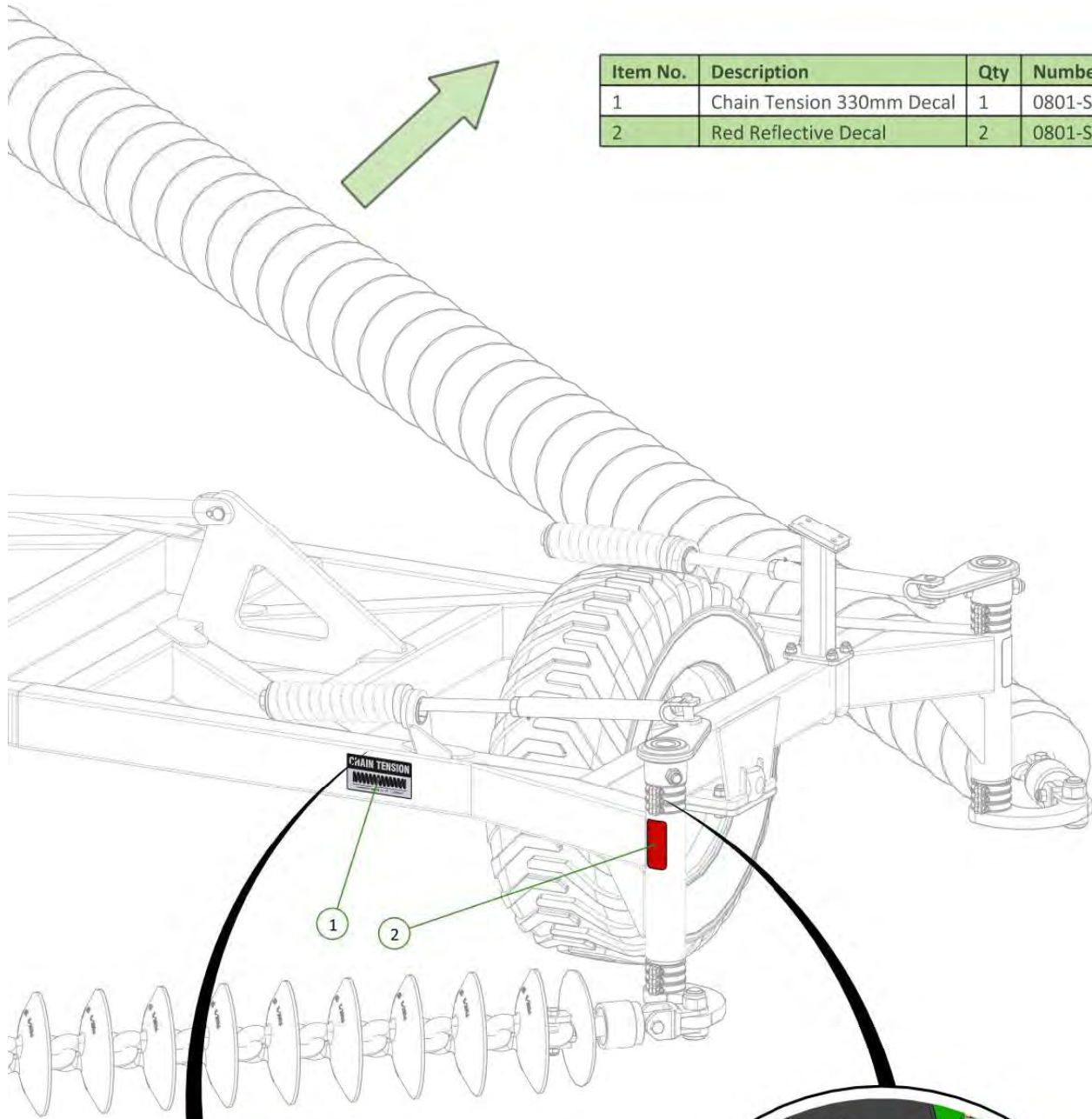
| Item No. | Description | Qty | Number |
|----------|---------------------------------|-----|----------|
| 1 | Euro Pinch Point Decal | 1 | 1501-S1 |
| 2 | Grease Point Indicator | 3 | 1501-S12 |
| 3 | Hydraulic Pressure Hazard Decal | 1 | 1501-S9 |



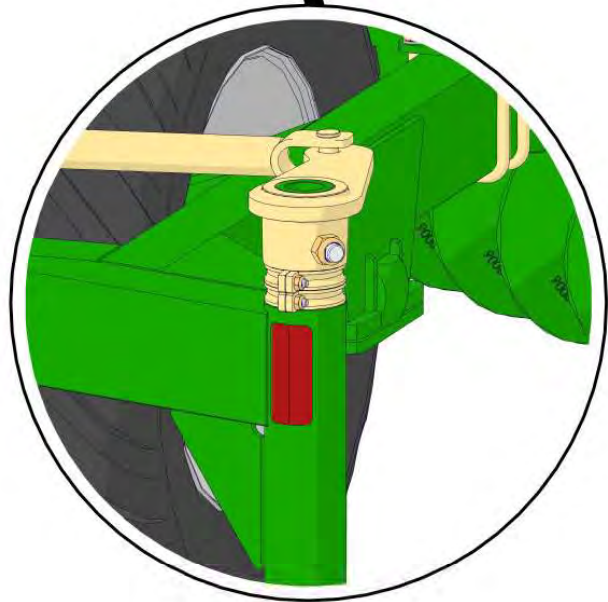
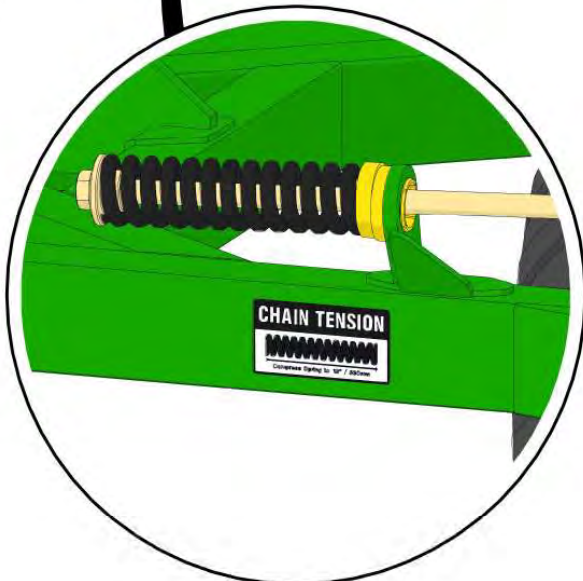


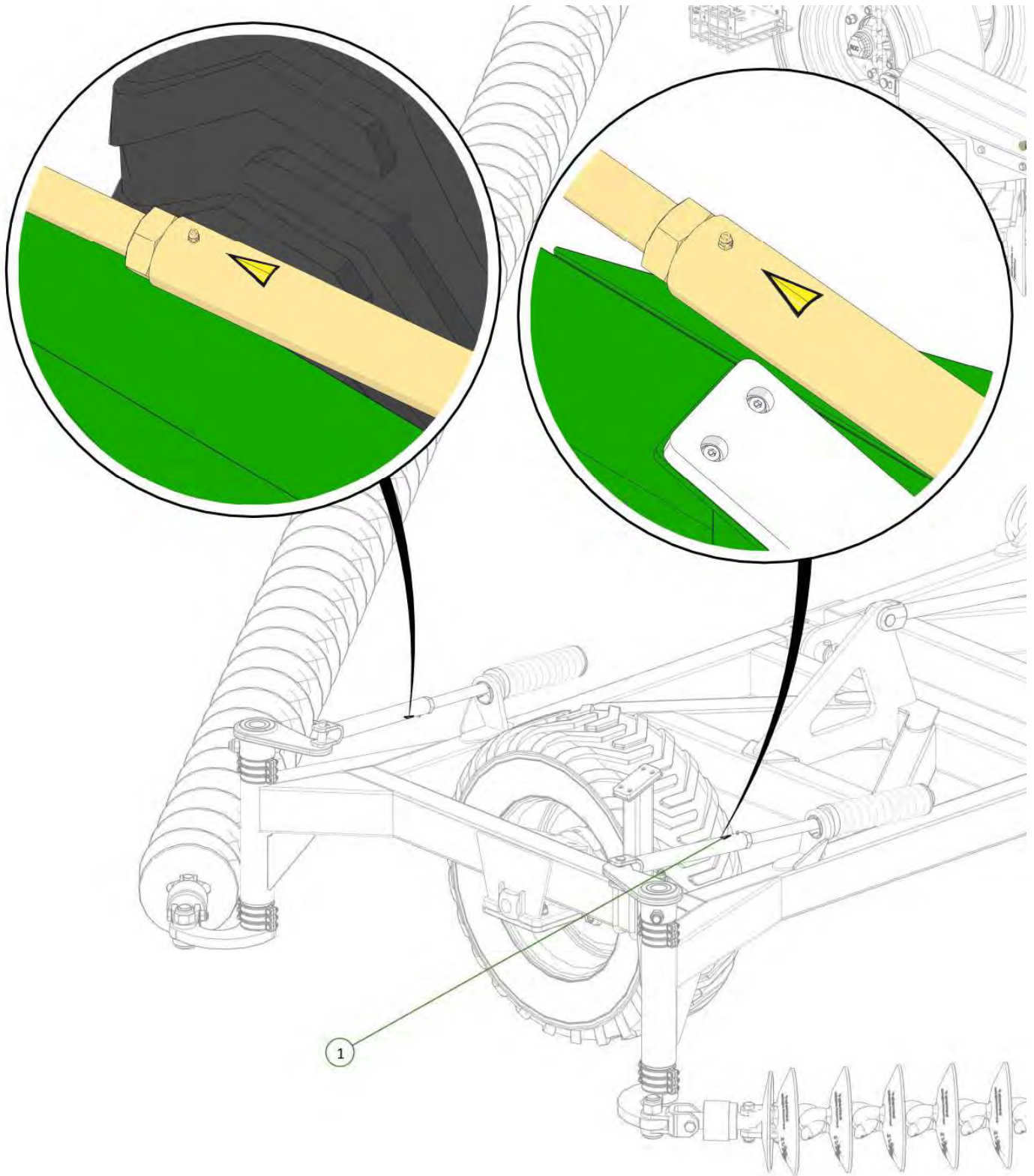
| Item No. | Description | Qty | Number |
|----------|------------------------|-----|-----------|
| 1 | Red Reflective Decal | 1 | 0801-SRRF |
| 2 | Grease Point Indicator | 1 | 1501-S12 |





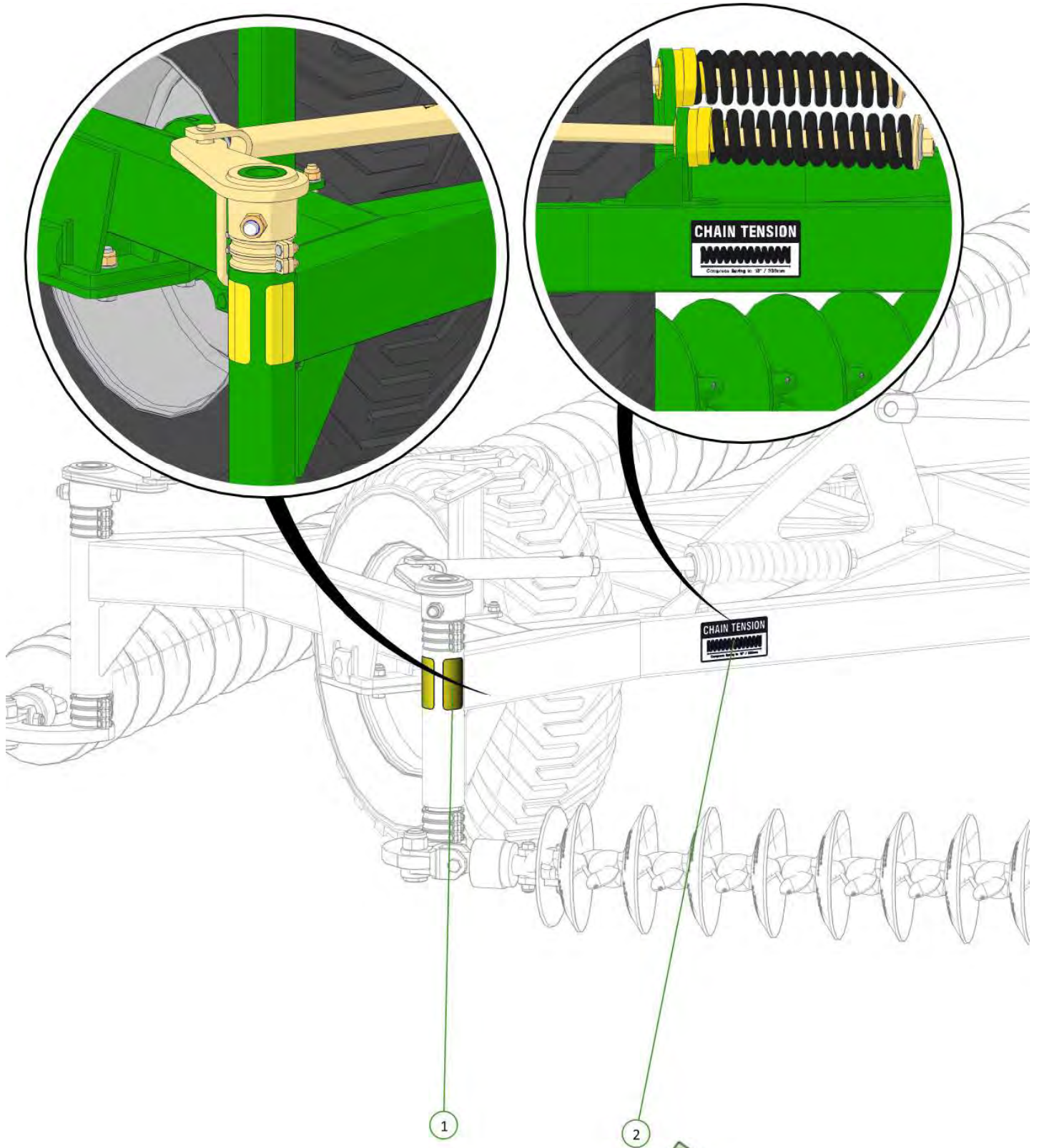
| Item No. | Description | Qty | Number |
|----------|---------------------------|-----|----------|
| 1 | Chain Tension 330mm Decal | 1 | 0801-S15 |
| 2 | Red Reflective Decal | 2 | 0801-S |



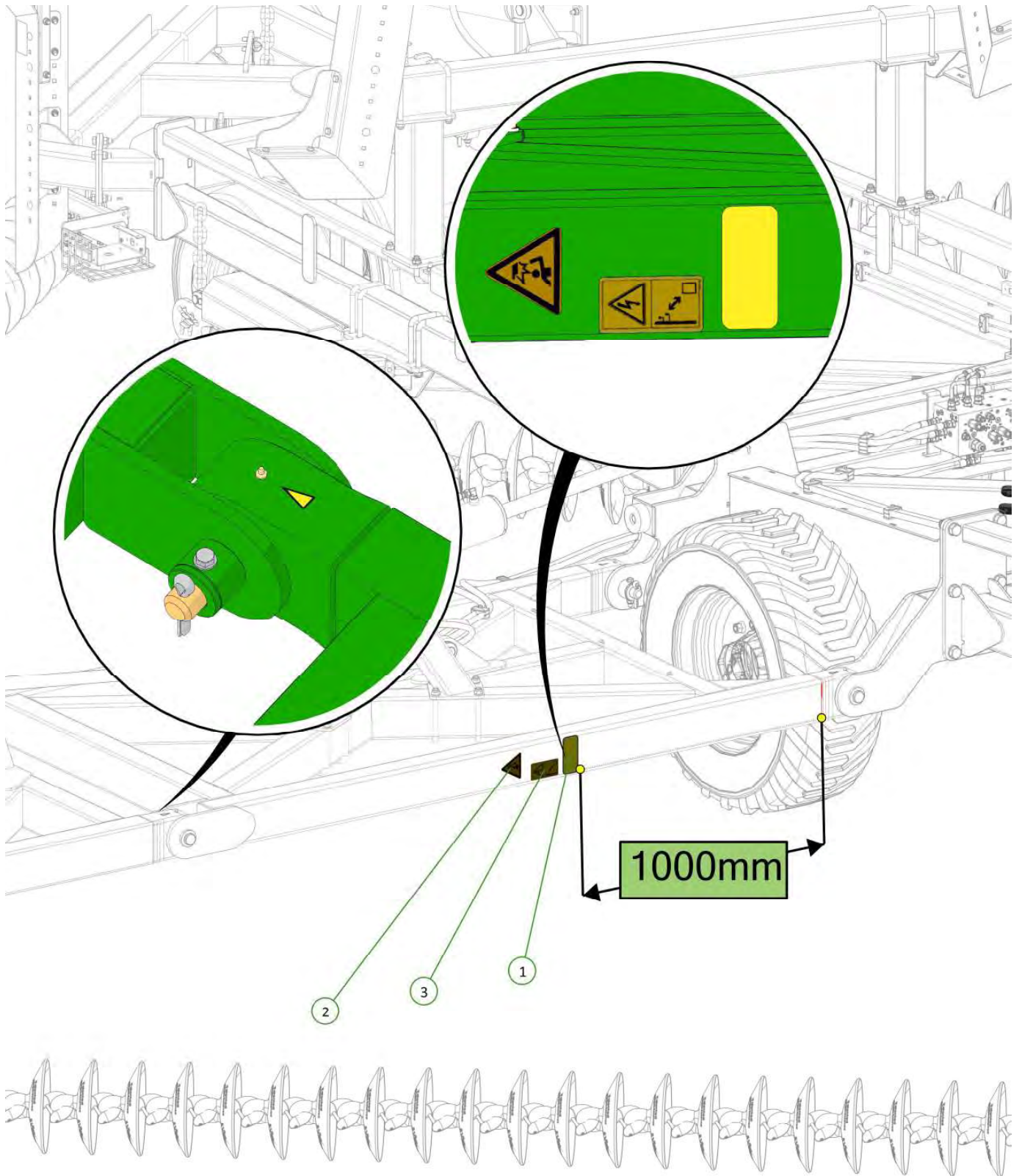


| Item No. | Description | Qty | Number |
|----------|------------------------|-----|----------|
| 1 | Grease Point Indicator | 2 | 1501-S12 |



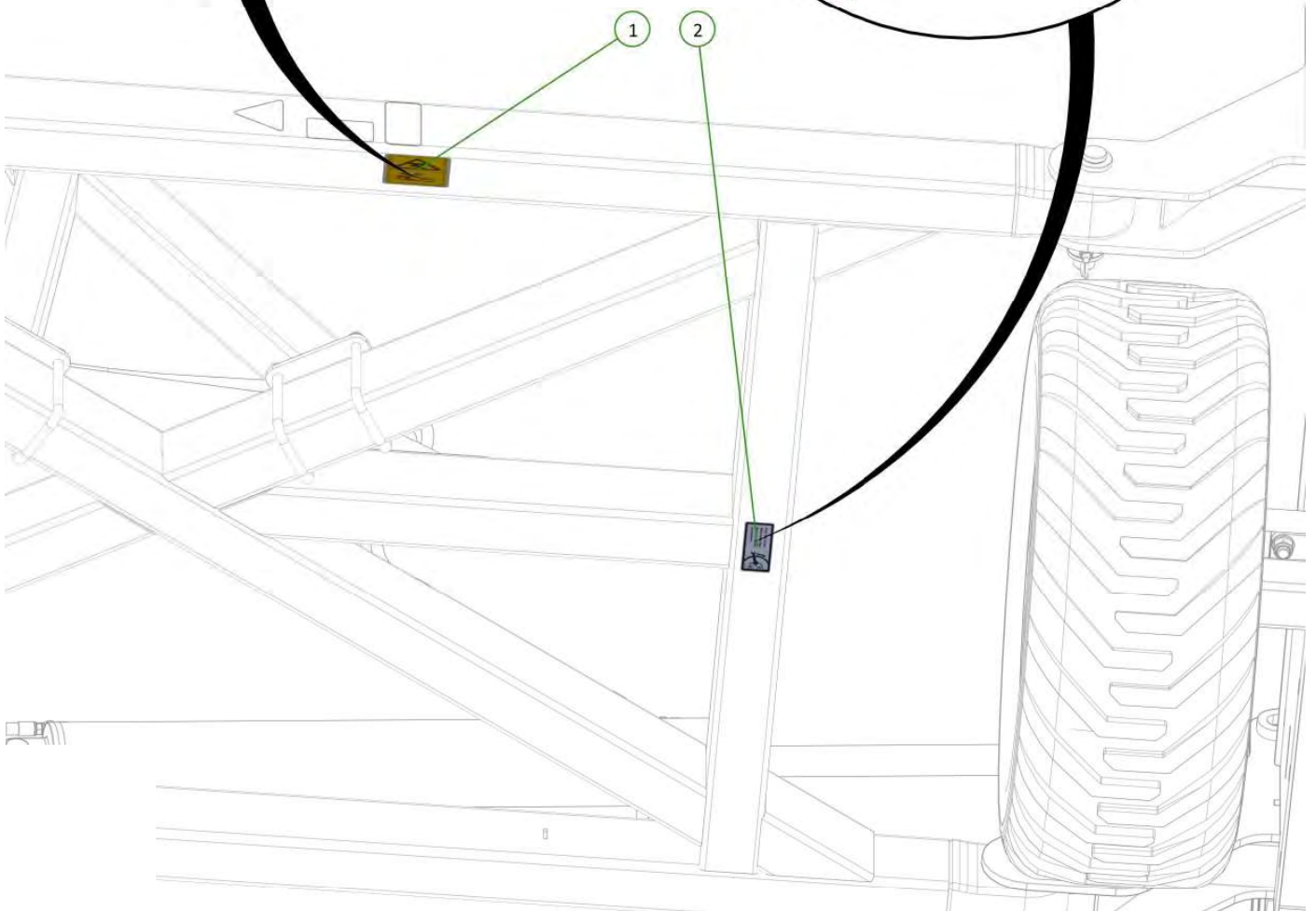
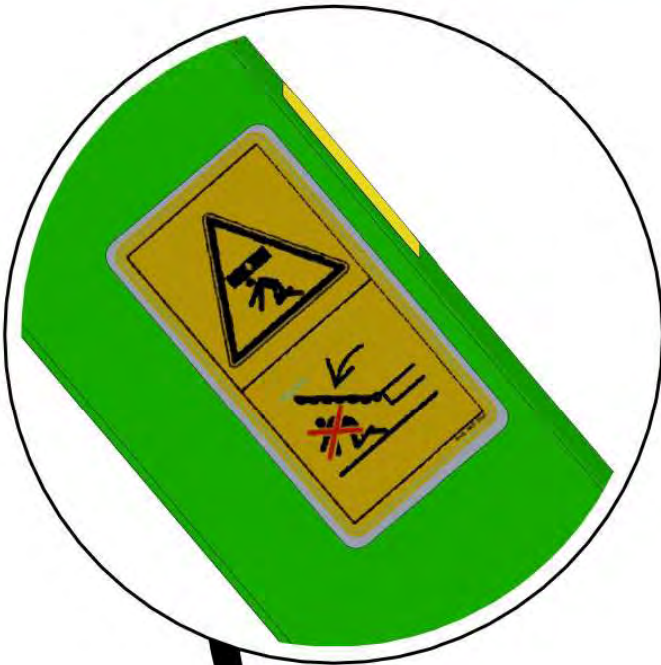


| Item No. | Description | Qty | Number |
|----------|---------------------------|-----|-----------|
| 1 | Yellow Reflective Decal | 2 | 0801-SYRF |
| 2 | Chain Tension 330mm Decal | 1 | 0801-S15 |

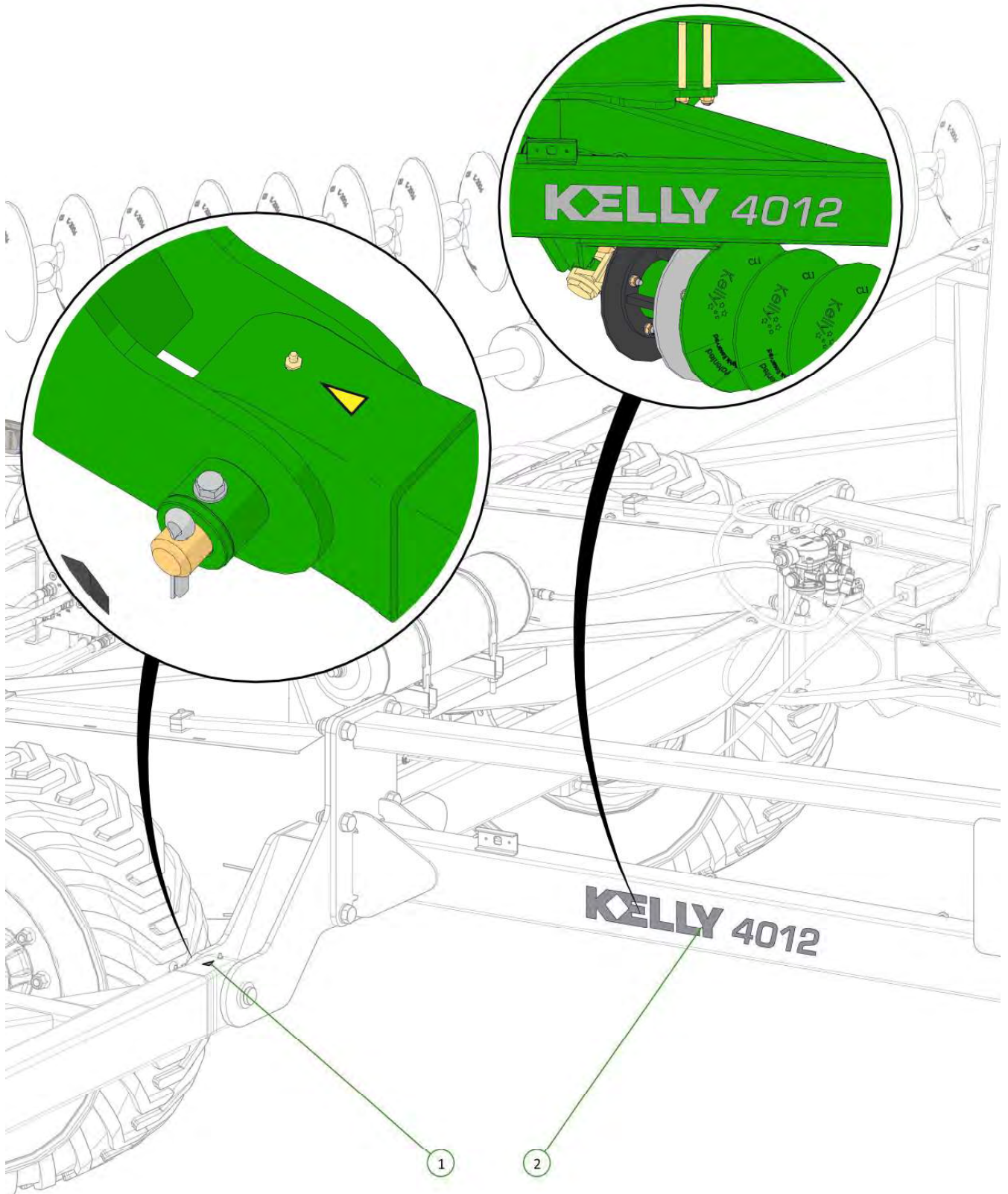


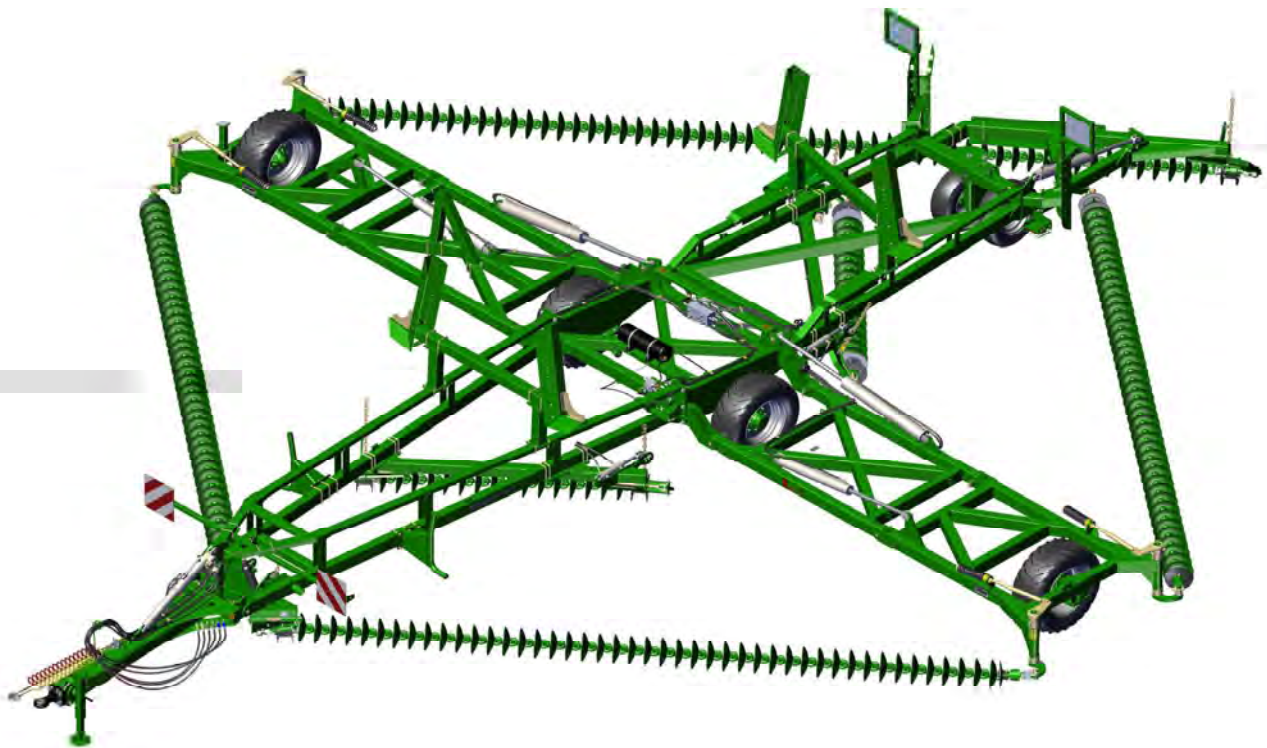
| Item No. | Description | Qty | Number |
|----------|-------------------------|-----|-----------|
| 1 | Yellow Reflective Decal | 1 | 0801-SYRF |
| 2 | Overhead Objects Decal | 1 | 1501-S7 |
| 3 | Power Line Hazard Decal | 1 | 1501-S8 |

| Item No. | Description | Qty | Number |
|----------|--------------------|-----|---------|
| 1 | Crush Hazard Decal | 1 | 1501-S6 |
| 2 | Wheel Nut Decal | 1 | 1501-S5 |



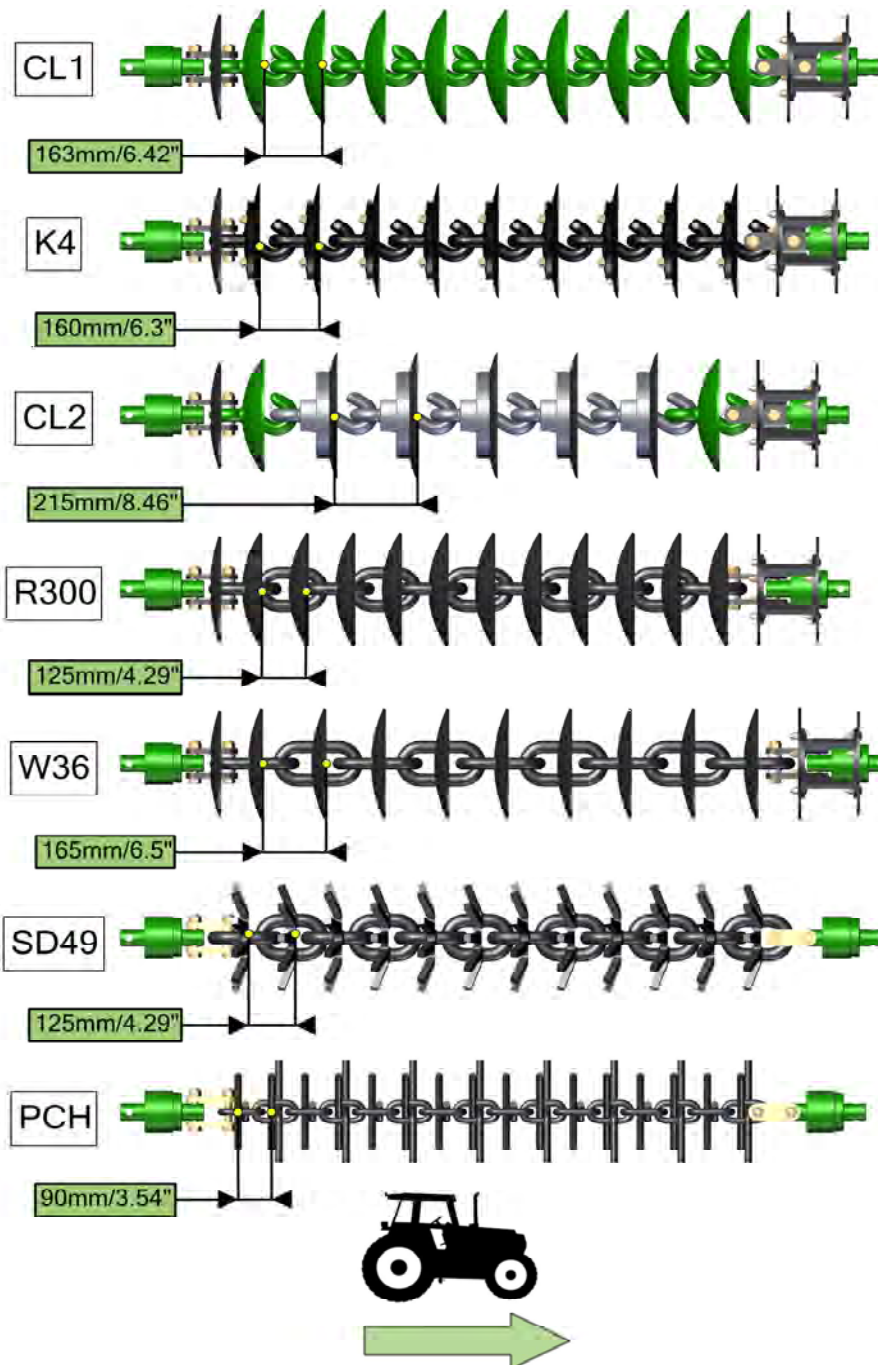
| Item No. | Description | Qty | Number |
|----------|--------------------------|-----|--------------|
| 1 | Grease Point Indicator | 1 | 1501-S12 |
| 2 | Kelly Tillage 4012 Decal | 1 | 0801-SKT4012 |



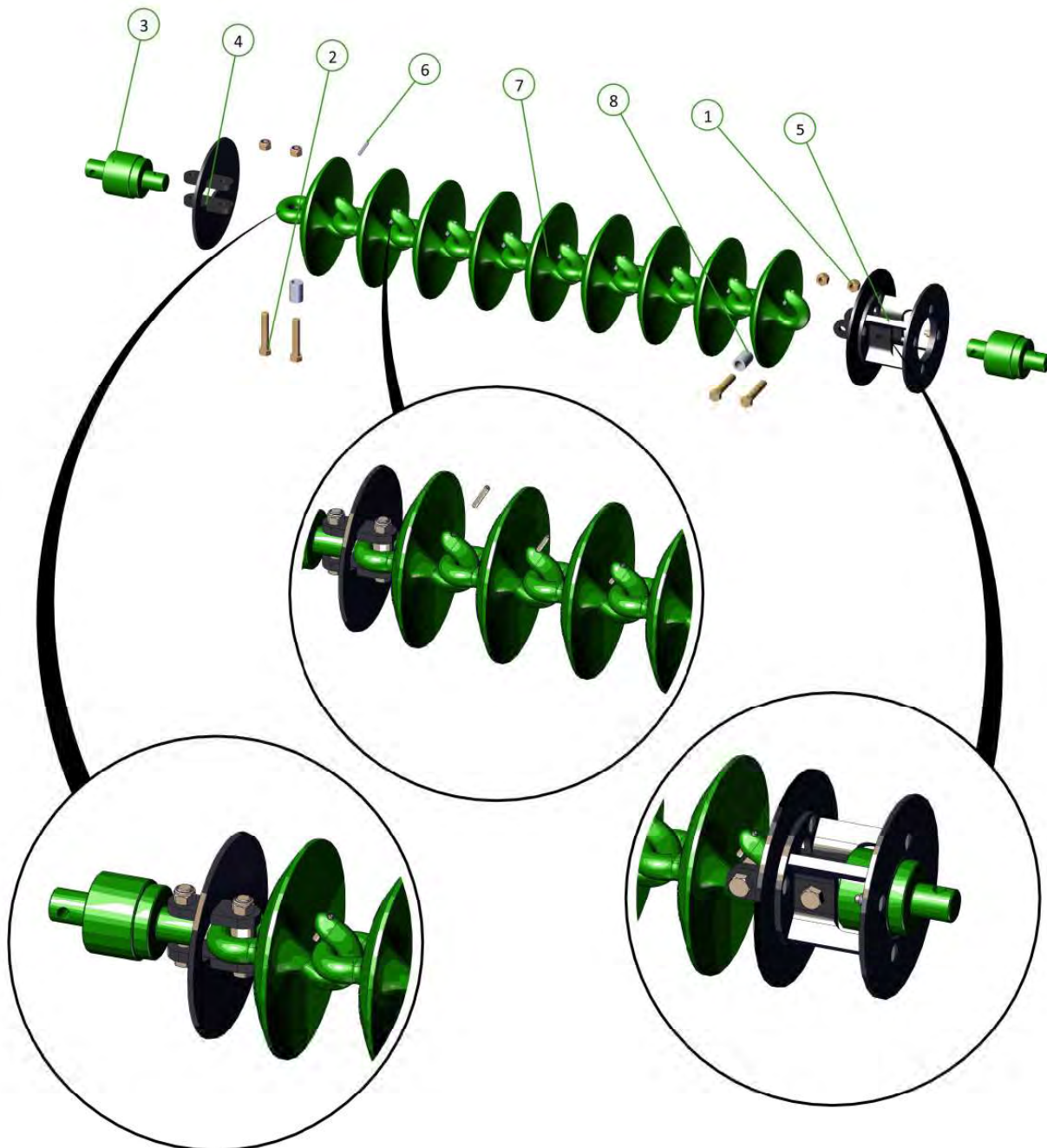




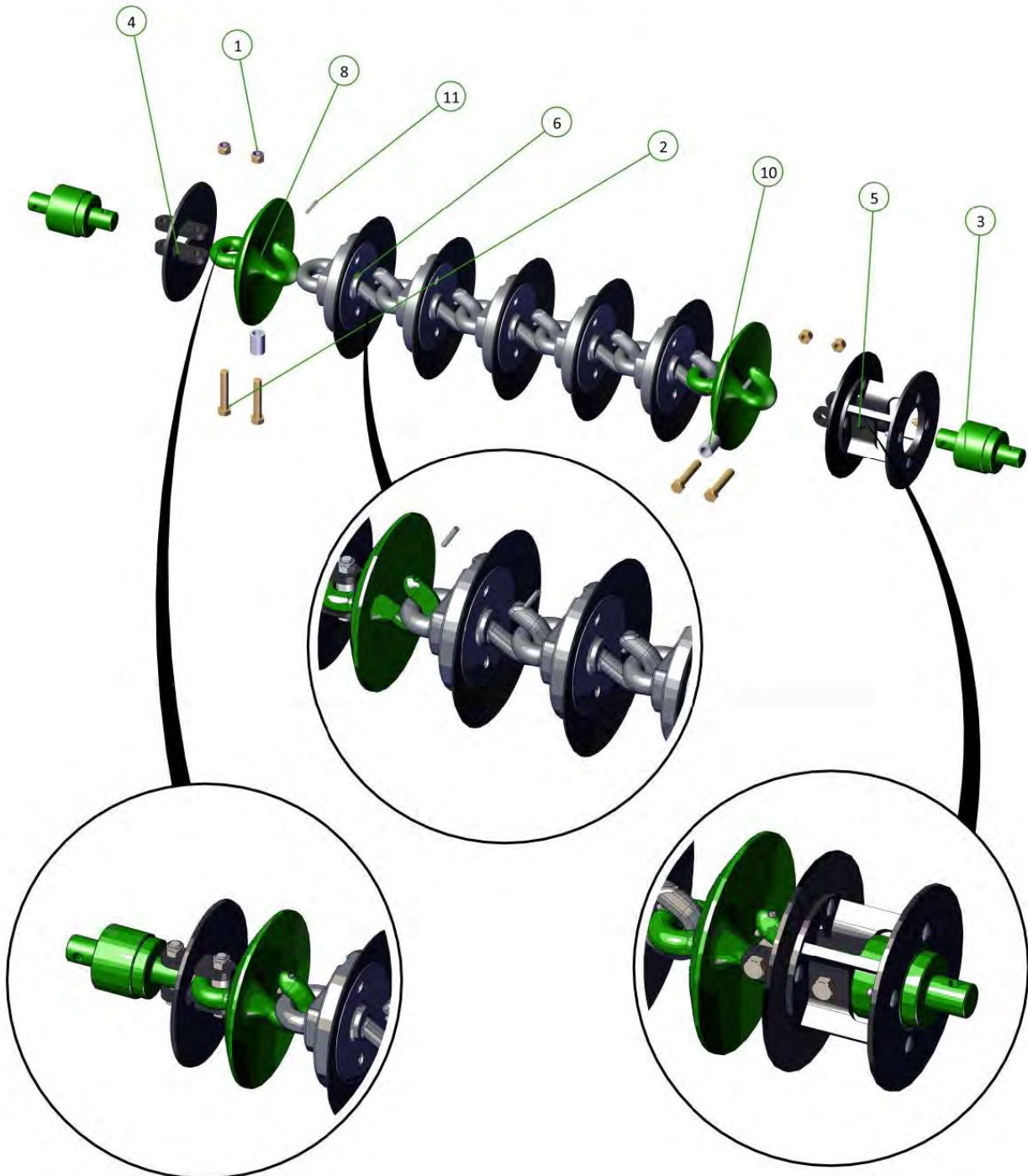
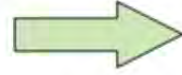
Section 5 - Chain Assembly

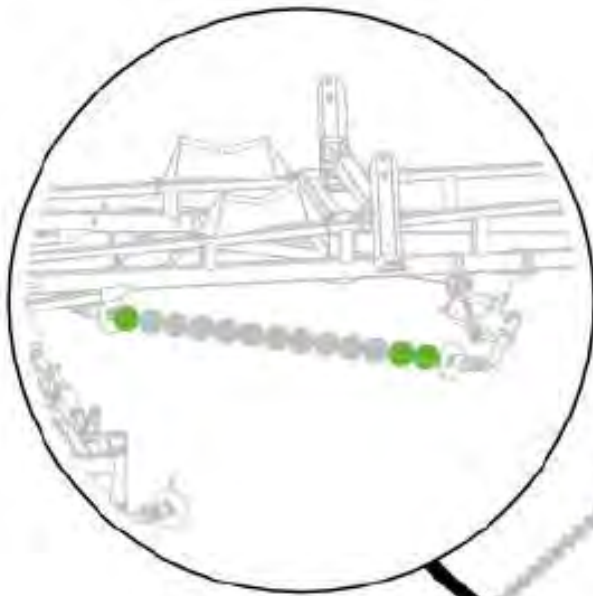


| Item No. | Description | Number |
|----------|---|--------------|
| 1 | Nyloc Nut M20 | 0221-NYL20 |
| 2 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST |
| 3 | 20mm Bolt Swivel Unit | 0802-PCHB55 |
| 4 | Tie Plate Disc 20mm | 0802-DCTP-20 |
| 5 | Tapered Chain End Assembly | 0810-45A |
| 6 | Roll Pin Zinc Plated 3/8" x 2" | 0262-3-8X2 |
| 7 | CL1-B Chain Disc Link | 0803-CL1 |
| 8 | Disc Chain Spacer | 0801-PCDCS55 |

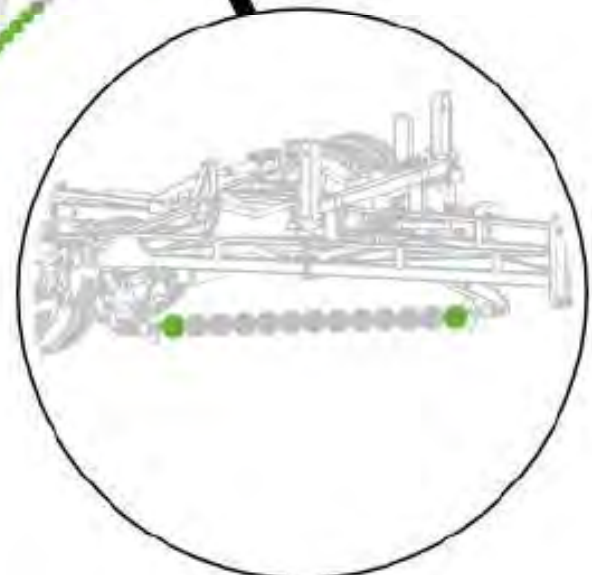
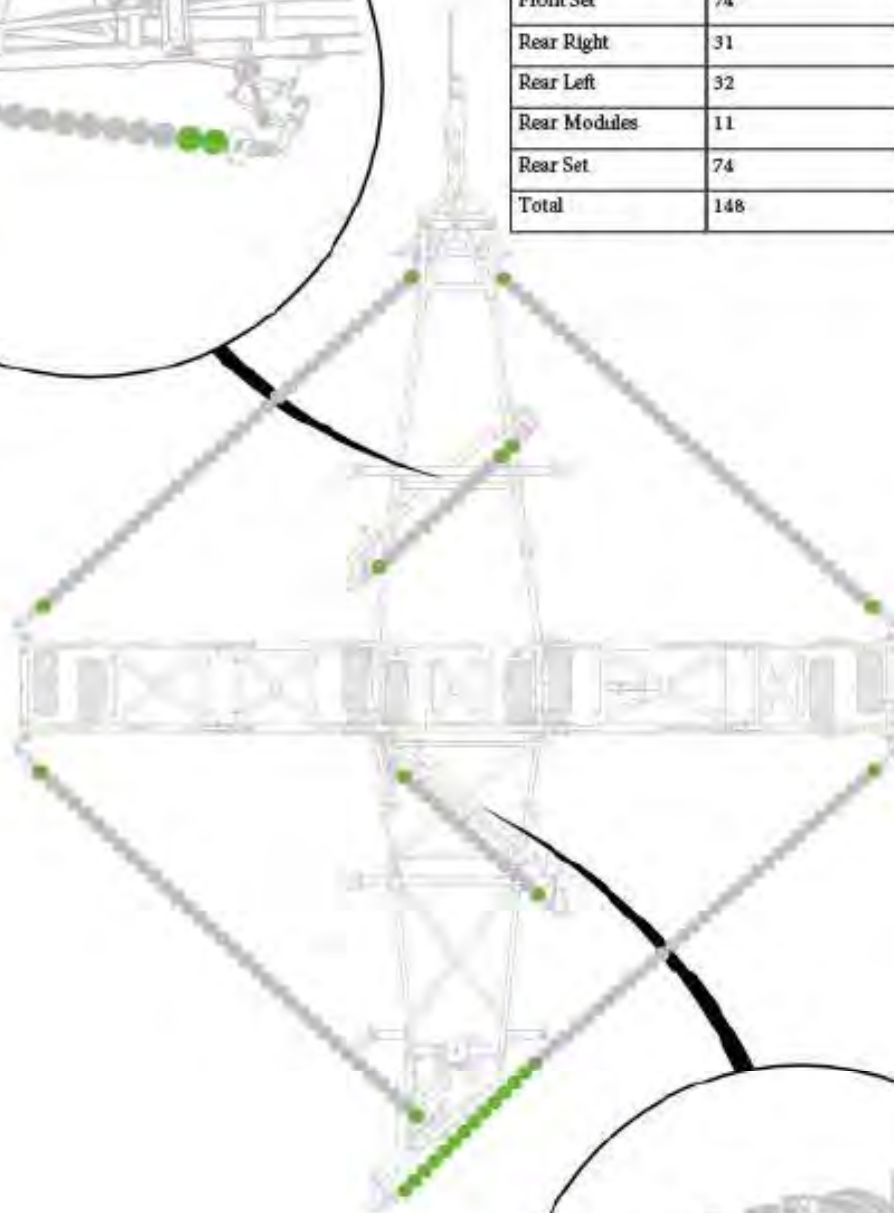


| Item No. | Description | Number |
|----------|---|--------------|
| 1 | Nyloc Nut M20 | 0221-NYL20 |
| 2 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST |
| 3 | 20mm Bolt Swivel Unit | 0802-PCHB55 |
| 4 | Tie Plate Disc 20mm | 0802-DCTP-20 |
| 5 | Tapered Chain End Assembly | 0810-45A |
| 6 | CL2-Link Assembly | 0803-CL2 |
| 8 | CL1 Disc Chain Link | 0803-CL1 |
| 10 | Disc Chain Spacer | 0801-PCDCS55 |
| 11 | Roll Pin Zinc Plated 3/8" x 2" | 0262-3-8X2 |

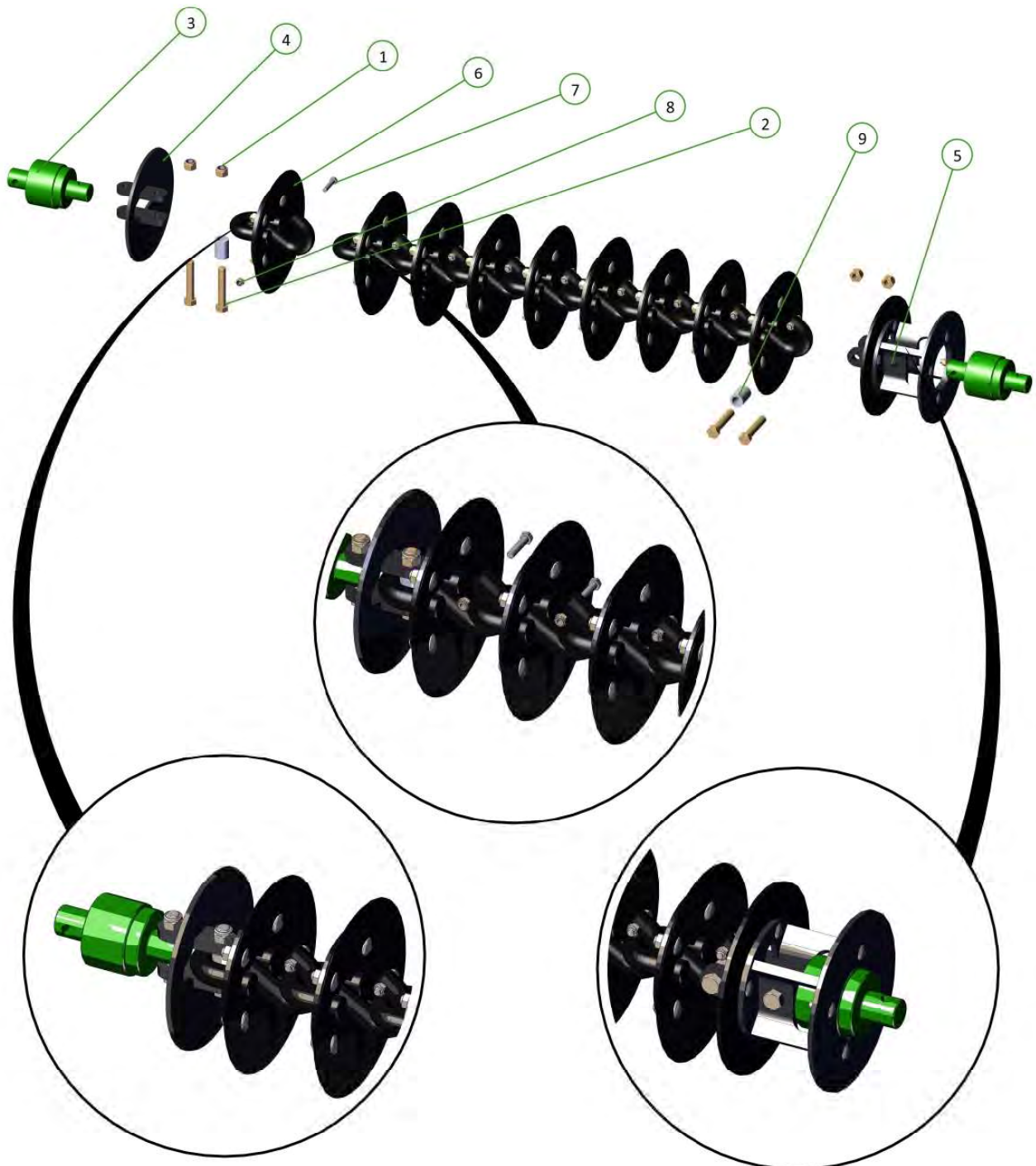
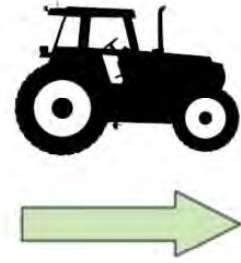


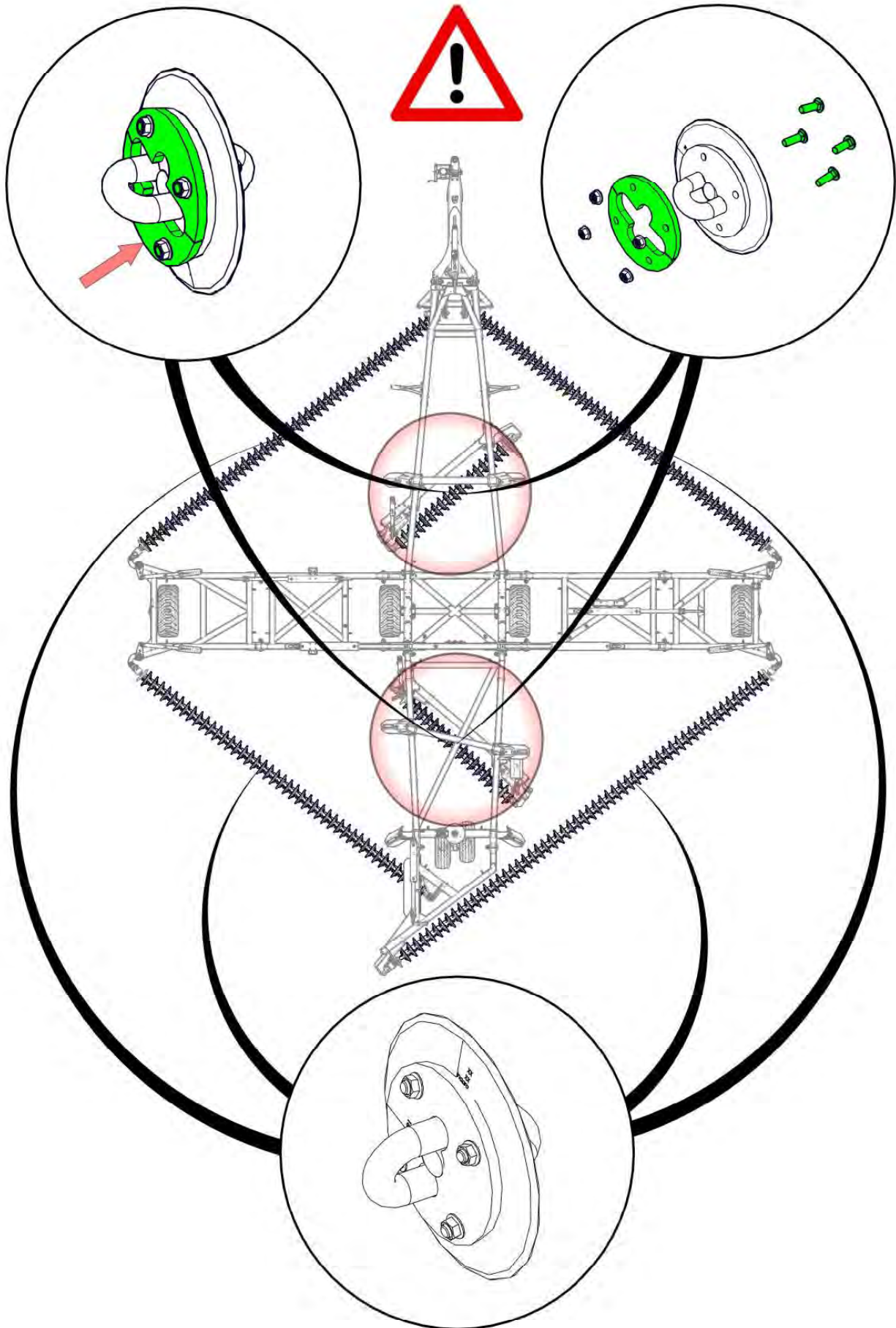


| Set | CL2 | CL1 |
|---------------|-----|-----|
| Front Left | 32 | 2 |
| Front Right | 32 | 2 |
| Front Modules | 10 | 3 |
| Front Set | 74 | 7 |
| Rear Right | 31 | 15 |
| Rear Left | 32 | 2 |
| Rear Modules | 11 | 2 |
| Rear Set | 74 | 19 |
| Total | 148 | 26 |



| 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 | Tapered Chain End Assembly | 0810-45A |
| 6 | K4 Disc Assembly | 0803-K4 |
| 7 | M12 x 55 Class 8.8 ZP Bolt | 0211-1255 |
| 8 | Nyloc Nut M12 | 0221-NYL12 |
| 9 | Disc Chain Spacer | 0801-PCDCS55 |

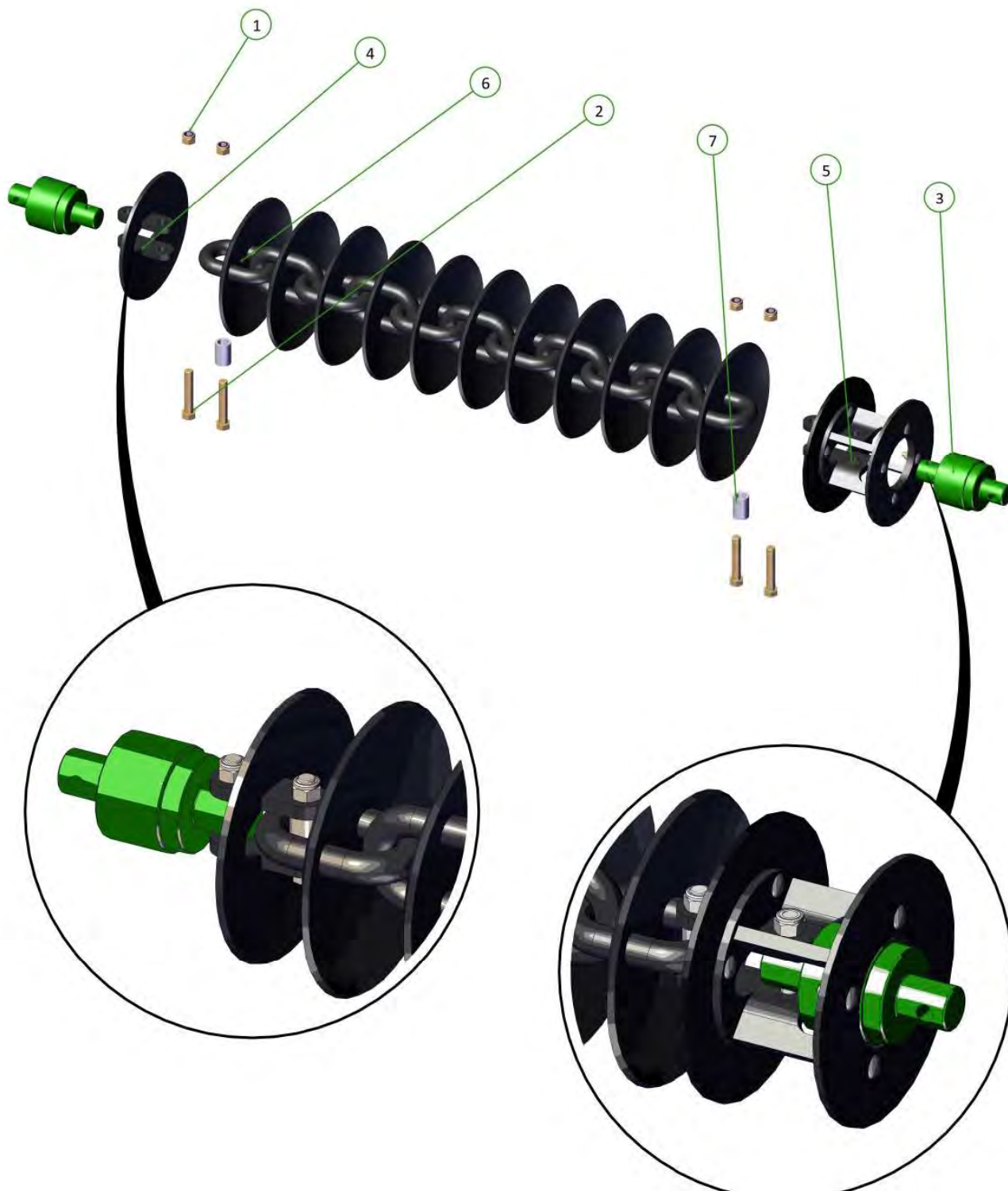




| Item No. | Description | Number |
|----------|---|--------------|
| 1 | Nyloc Nut M20 | 0221-NYL20 |
| 2 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST |
| 3 | 20mm Bolt Swivel Unit | 0802-PCHB55 |
| 4 | Tie Plate Disc 20mm | 0802-DCTP-20 |
| 5 | Tapered Chain End Assembly | 0810-45A |
| 6 | R300 Chain Link | 0803-R300 |
| 7 | Disc Chain Spacer | 0801-PCDCS55 |



For correct chain tension, chain links may need to be removed from the end of the chain as follows:
R300 Disc Chain - cut a disc chain link from the end of the disc chain

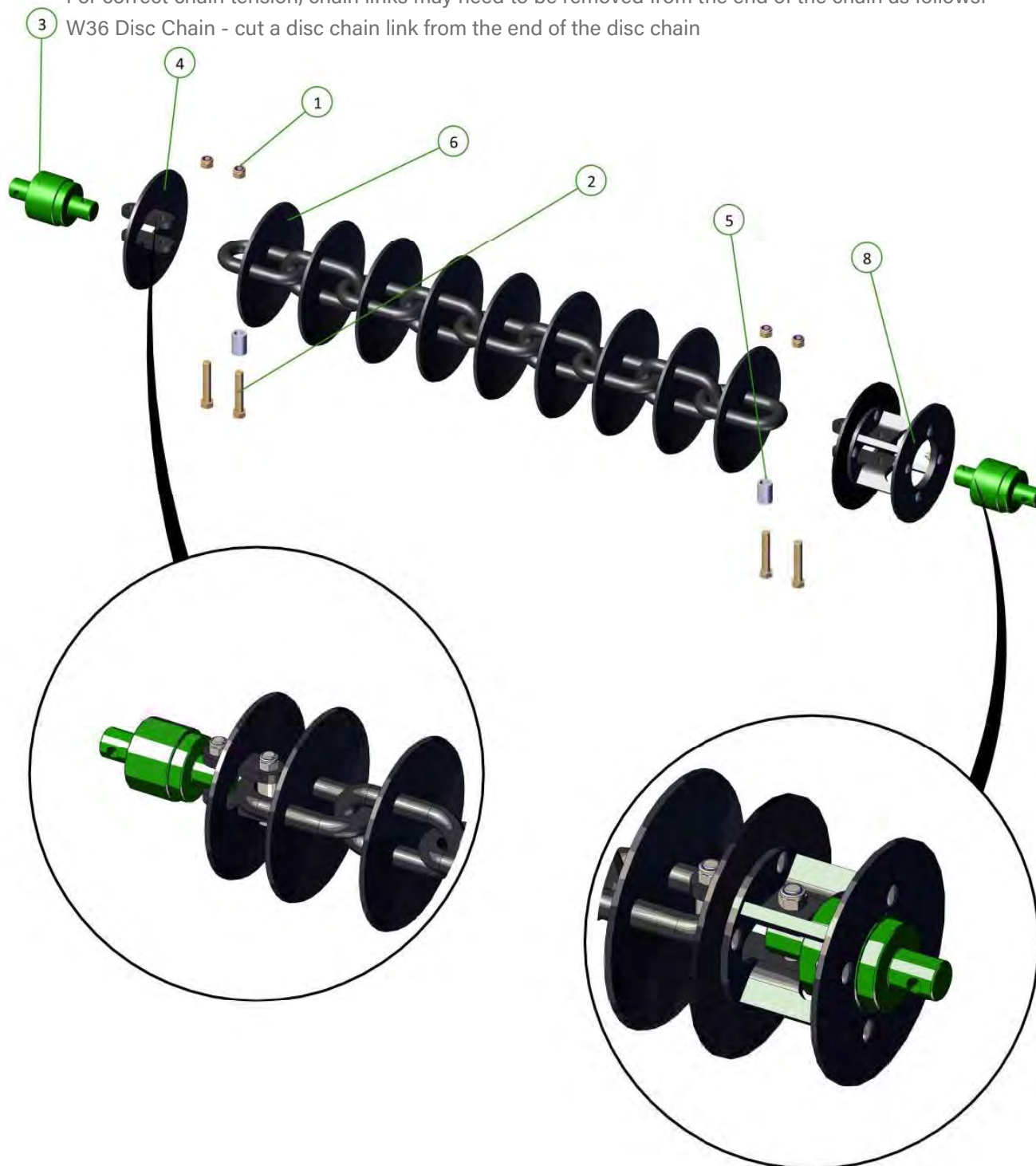


| Item No. | Description | Number |
|----------|---|--------------|
| 1 | Nyloc Nut M20 | 0221-NYL20 |
| 2 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST |
| 3 | 20mm Bolt Swivel Unit | 0802-PCHB55 |
| 4 | Tie Plate Disc 20mm | 0802-DCTP-20 |
| 5 | Disc Chain Spacer | 0801-PCDCS55 |
| 6 | W36/25 Chain Link | 0803-W36 |
| 8 | Tapered Chain End Assembly | 0810-45A |

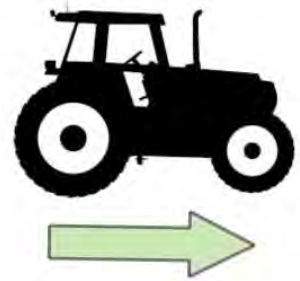


For correct chain tension, chain links may need to be removed from the end of the chain as follows:

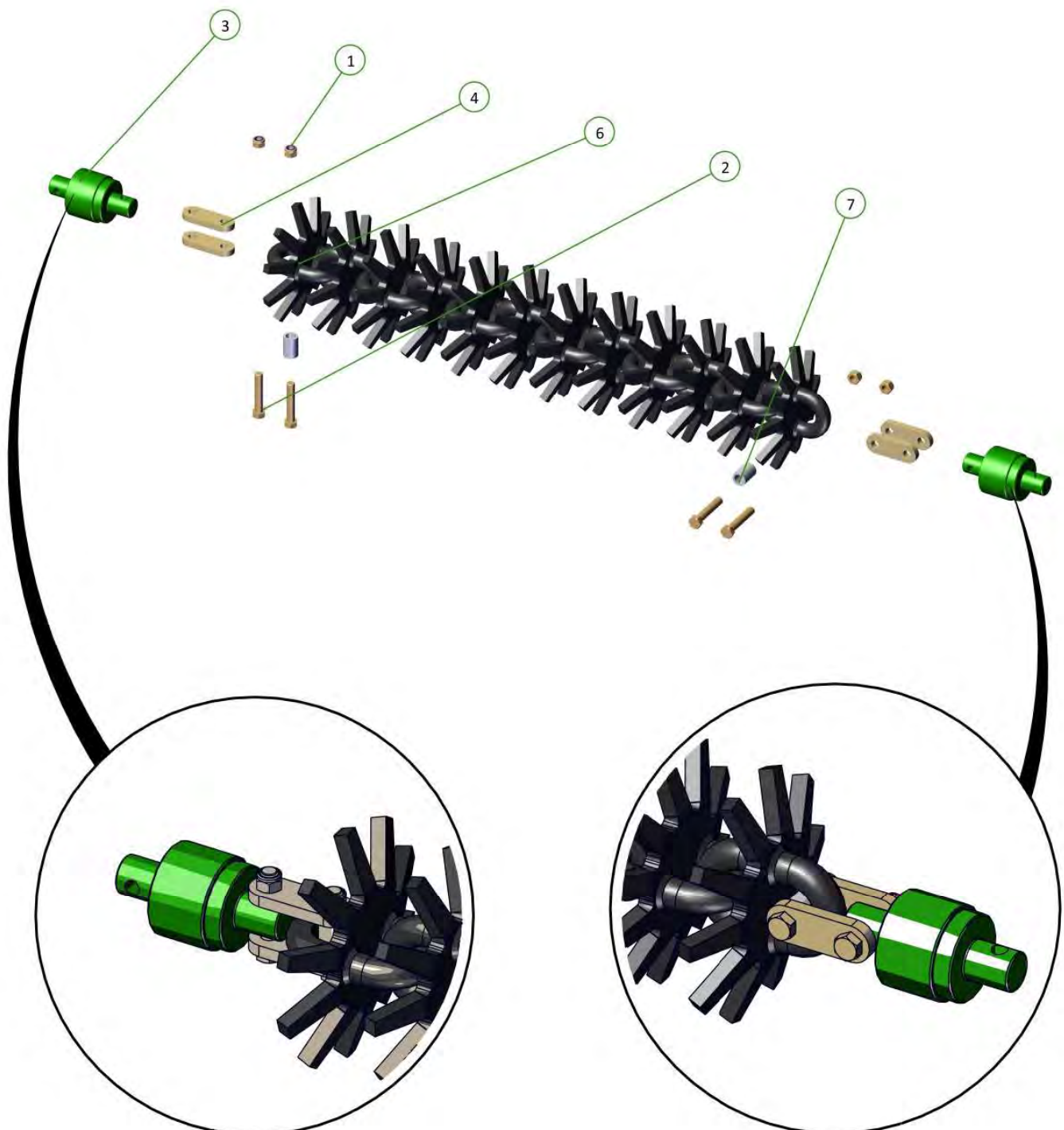
3 W36 Disc Chain - cut a disc chain link from the end of the disc chain



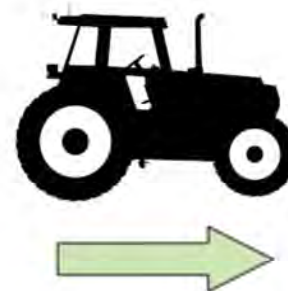
| Item No. | Description | Number |
|----------|---|--------------|
| 1 | Nyloc Nut M20 | 0221-NYL20 |
| 2 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST |
| 3 | 20mm Bolt Swivel Unit | 0802-PCHB55 |
| 4 | Tie Plate For 20mm Bolt | 0800-83.2 |
| 6 | 10 Spike Disc Chain 49/27/5 | 0803-SD49 |
| 7 | Disc Chain Spacer | 0801-PCDCS55 |



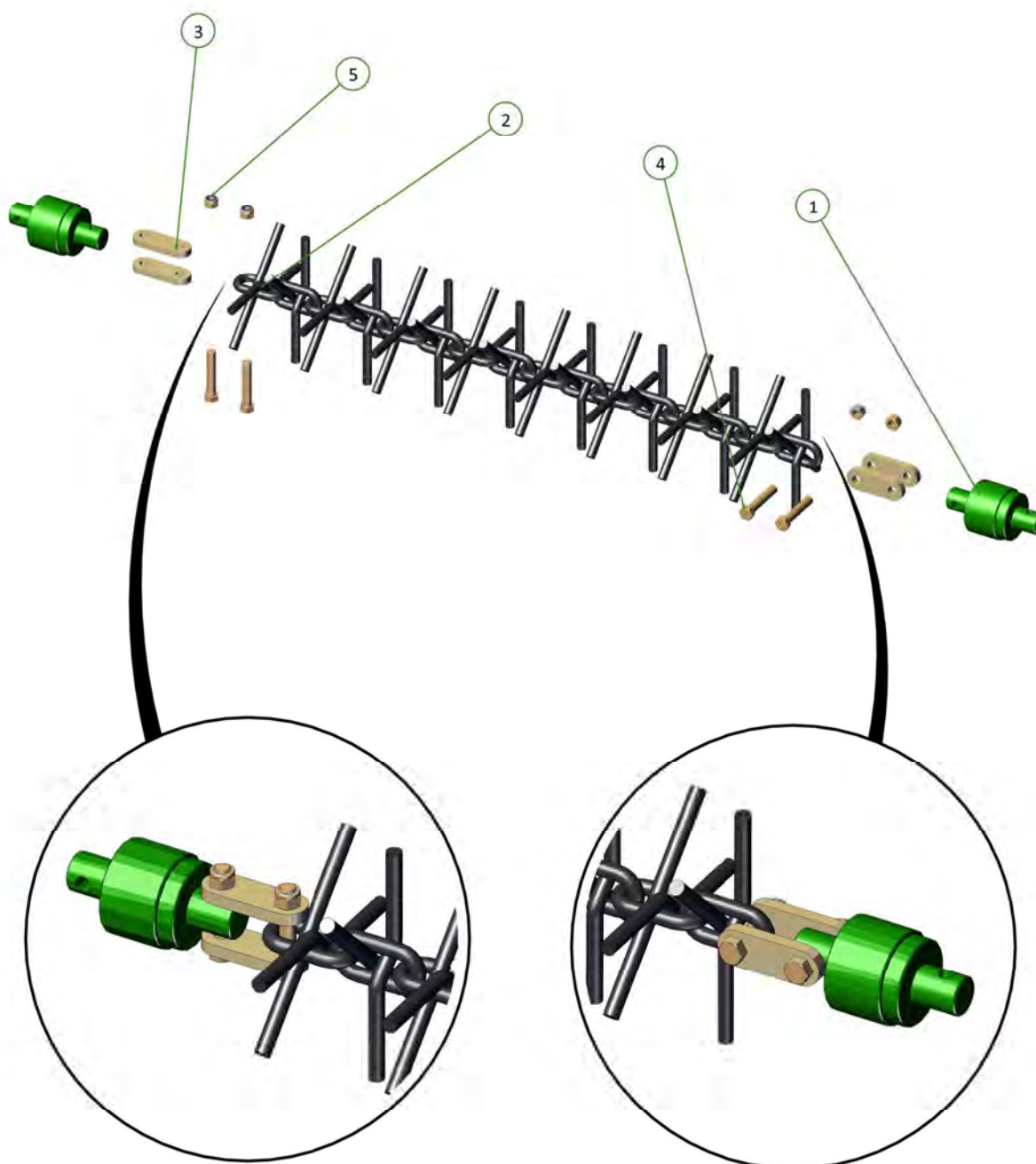
For correct chain tension, chain links may need to be removed from the end of the chain as follows:
Spiked Disc Chain - cut a disc chain link from the end of the disc chain



| Item No. | Description | Number |
|----------|---|--------------|
| 1 | 20mm Bolt Swivel Unit | 0802-PCHB55 |
| 2 | Prickle Chain | 0803-PCH |
| 3 | Tie Plate For 20mm Bolt | 0800-83.2 |
| 4 | M20 x 110 Class 10.9 ZP Short Thread Bolt | 0211-20110ST |
| 5 | Nyloc Nut M20 | 0221-NYL20 |



For correct chain tension, chain links may need to be removed from the end of the chain as follows:
Prickle Chain - cut a prickle chain link from the end of the prickle chain





Section 6 - Diagrams & Specifications

Operating Speeds

| Recommended operating speeds in normal conditions with all chain types | |
|---|-----------|
| Operating / working speed | 10-12 kph |
| Transport / towing speed | 25 kph |

Tyre Pressure

| Tyre size | Ply | KPA | PSI |
|------------------|------------|------------|------------|
| 400/55-22.5 | 18 | 350 | 50 |
| 10.0/75-15.3 | 14 | 300 | 44 |

4012 Specifications

| 4012 Specifications | |
|----------------------------|--------------------|
| Operating width | 12.93 +0.16/-0.13m |
| Transport width | 2.98 m |
| Transport height | 3.89 m |
| Transport length | 14.30 m |

Chain Quantities

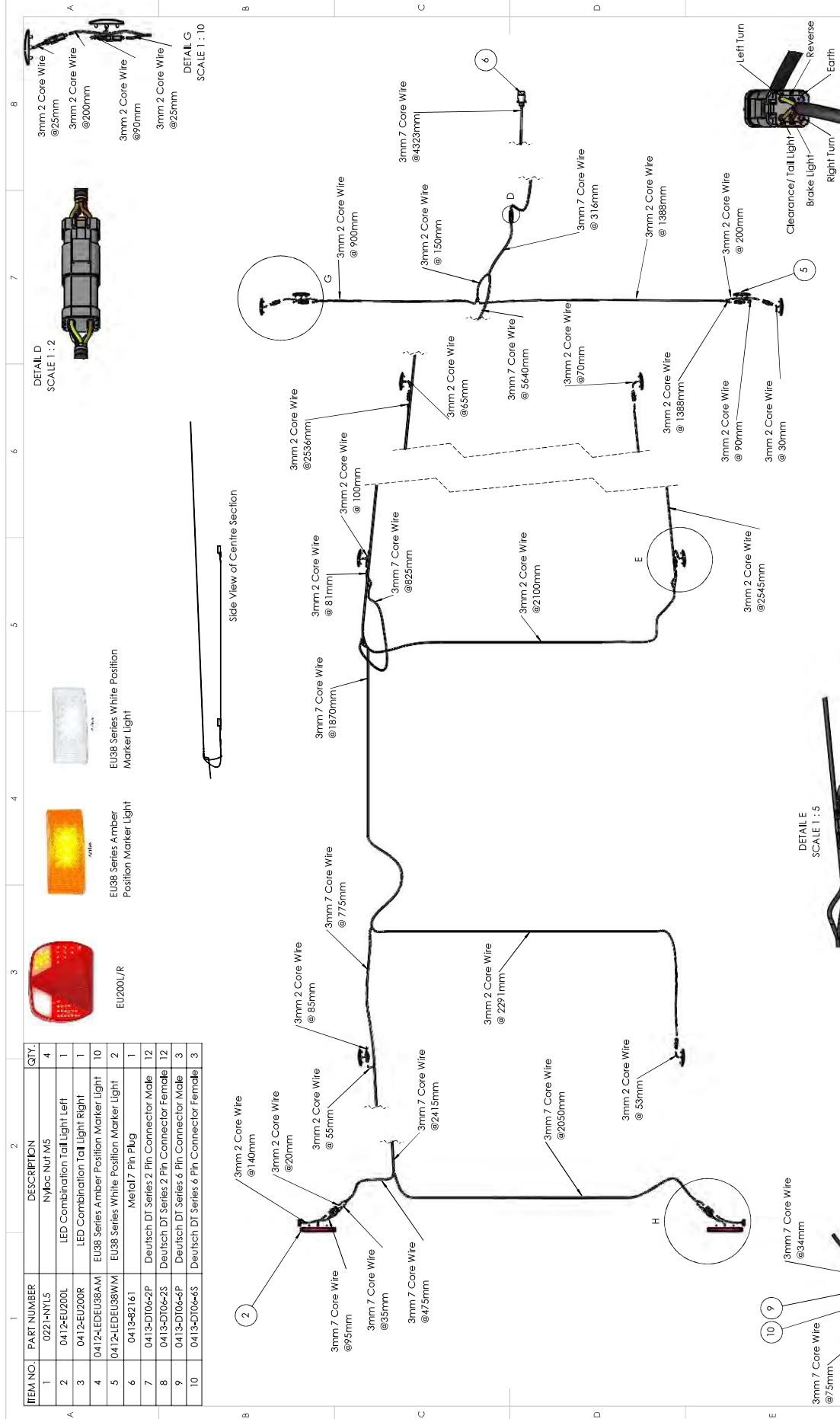
| Model | | Length | CL2 | CL1 | K4 | W36 | R300 | SD49 | Prickle chain |
|-------------|--------------|--------|---|-----|----|-----|------|------|---------------|
| | | | CL2 disc chain also requires CL1 disc chain | | | | | | |
| 4012 | Front right | 7.3m | CL2 - 32 CL1 - 2 | 44 | 45 | 42 | 57 | 57 | 79 |
| | Front left | 7.3m | CL2 - 32 CL1 - 2 | 44 | 45 | 42 | 57 | 57 | 79 |
| | Rear right | 9.2m | CL2 - 31 CL1 - 15 | 55 | 57 | 53 | 72 | 72 | 101 |
| | Rear left | 7.1m | CL2 - 29 CL1 - 2 | 41 | 42 | 39 | 53 | 53 | 74 |
| | Front module | 2.6m | CL2 - 10 CL1 - 3 | 16 | 16 | 15 | 21 | 21 | 29 |
| | Rear module | 2.6m | CL2 - 10 CL1 - 2 | 16 | 16 | 15 | 21 | 21 | 29 |

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


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

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





| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|----------------|--|------|
| 1 | 022-H-NYL5 | Nyltec Nut M5 | 4 |
| 2 | 0412-EU200L | LED Combination Tail Light Left | 1 |
| 3 | 0412-EU200R | LED Combination Tail Light Right | 1 |
| 4 | 0412-LEDEU38AM | EU38 Series Amber Position Marker Light | 10 |
| 5 | 0412-LEDEU38WM | EU38 Series White Position Marker Light | 2 |
| 6 | 0413-82161 | Metal 7 Pin Plug | 1 |
| 7 | 0413-DT06-2P | Deutsch DT Series 2 Pin Connector Male | 12 |
| 8 | 0413-DT06-2S | Deutsch DT Series 2 Pin Connector Female | 12 |
| 9 | 0413-DT06-4P | Deutsch DT Series 4 Pin Connector Male | 3 |
| 10 | 0413-DT06-4S | Deutsch DT Series 4 Pin Connector Female | 3 |



For Machines Built:

| Rev | Date | Revision Description |
|-----------|-----------|----------------------|
| 28-Feb-18 | A-0 | New part |
| B-0 | 15-Feb-19 | gen2 |
| | | 4 |

DO NOT SCALE DRAWING

REVISION **B-0**

TITLE **12m Light Kit EU**

DWG NO. **1502-EULK-12M**

SCALE: 1:20

SHEET 1 OF 1

| NAME | DATE | MATERIAL: |
|---------------------------|------------|-----------|
| APPROVED: KG53 301 | 15/02/2019 | |
| DRAWN: B Hooper | 15/02/2019 | |
| CHKD: F Durlop | 15/02/2019 | |
| APP'VD: | | |

Distance (UNO):

- * : 0.1mm
- * : 0.5mm
- * : 1.0mm
- * : 3.0mm
- * : 10.0mm



Section 7 - Operation

Basic Operation

Unfolding:

1. Remove transport safety stop from drawbar cylinder shaft. Ensure front cylinder depth stop plates are fully engaged on cylinder shaft.
2. Walk around and inspect the machine.
 - Check that chains are not hooked on framework
 - Check swivel bolts at end of each chain are in place and not broken
 - Check that height adjusting chains have not fallen out of their slotted plates during transport.
3. Lower front A Frame to working height.
4. Unfold wings, holding the hydraulic lever until the main center cylinder pins have centered in their slots.
5. Lower rear tail by holding hydraulic lever until tail and modules are completely lowered to working position and the wing de-tensioning cylinders are fully retracted, tensioning the chain.
6. Walk around machine and check that all chain links are straight and that working height of all swivels are correct for field conditions. Adjust if necessary.
7. Move off with all chains in working position. If necessary it is acceptable to raise Front A Frame and drawbar 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 operating speed is reached.

Folding:

1. Lower the front A Frame to working height. It's 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.
Walk around and check that chains have located correctly in transport rests.
5. Install transport safety stop on drawbar cylinder shaft.

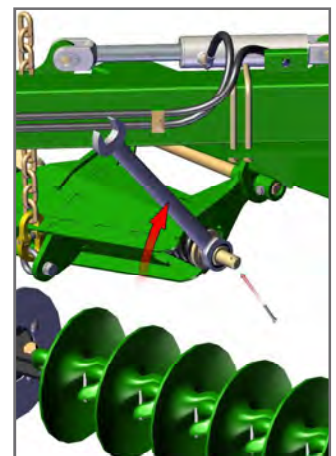
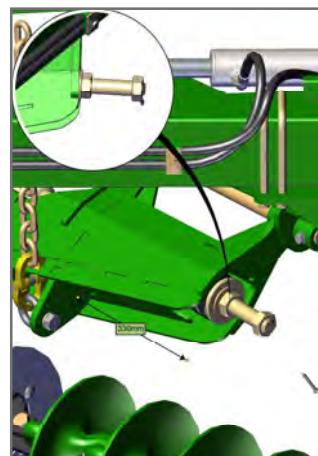
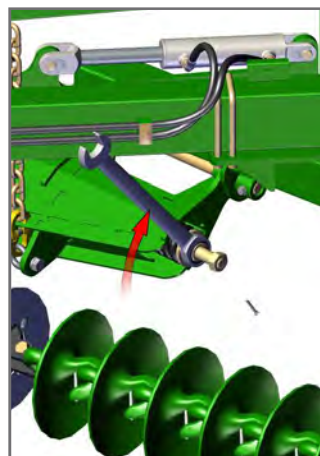
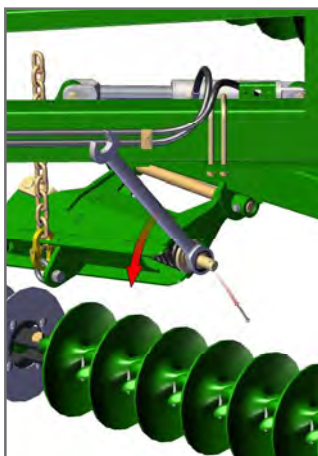
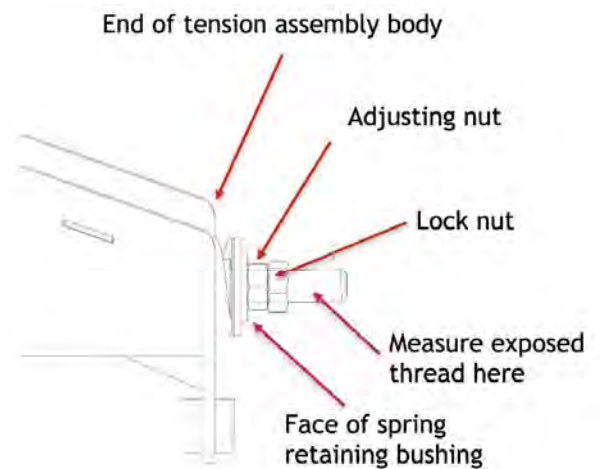
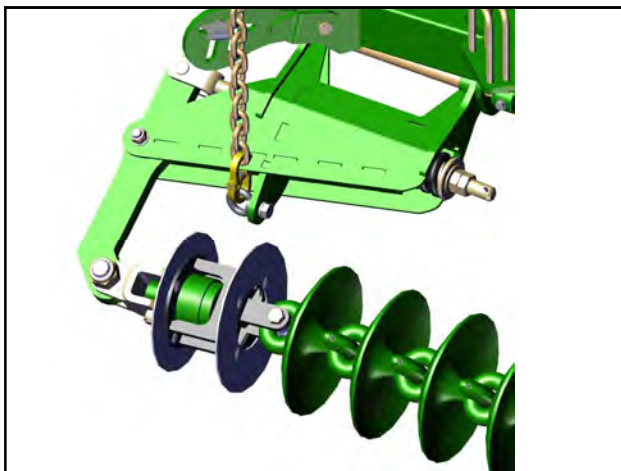
Setting for correct chain tension

Wings

- Use the spanner supplied. Loosen the lock nut adjacent to the tensioner assembly body.
- Turn the tension bolt clockwise to compress the coil spring to 330mm. 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.

Modules

- Loosen the lock nut on the draw bolt.
- Tighten the adjusting nut clockwise until the outer face of the spring retaining washer is flushed with the body of the module tensioning unit.
- Retighten the lock nut.
- After setting the tension assemblies to have the recommended thread showing (less than 200mm), move out to the wings of the machine and use the PCHTA adjusters to tension the gang of discs.



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 centre. This will mean that the middle of the machine's front pair of chains will aggressively move soil outwards. The machine's rear pair of chains, if loose, have their aggressive 1/3rd near the wing extremity. It follows then that as the front discs push soil outwards, the least aggressive portion of the rear chain follows them and does not balance the soil movement. This is exacerbated at the wings, effectively creating a broad ridge about halfway out each wing. It won't be evident in one pass, but is possible if care is not taken over time.

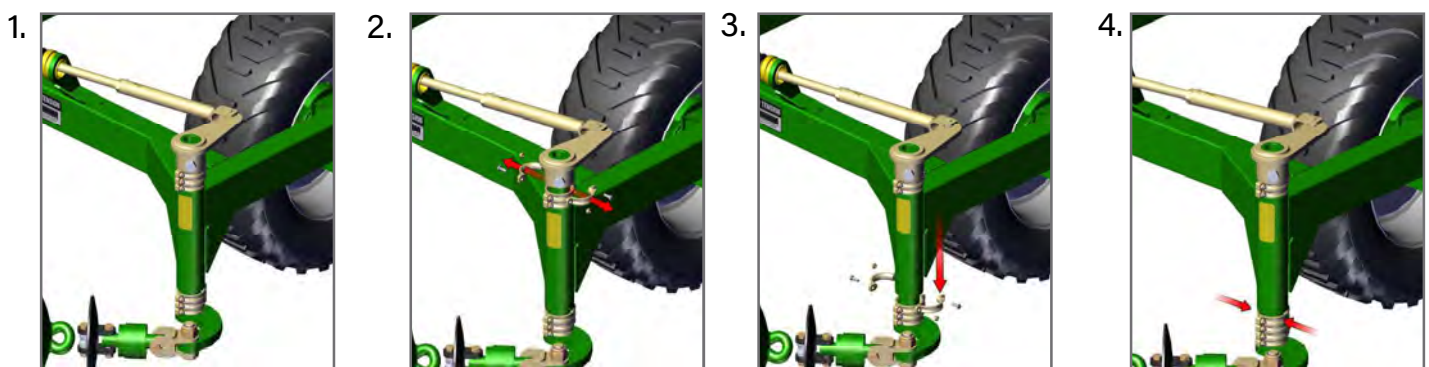
A correctly adjusted machine will not have this problem.

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 25mm cast spacers. The most common set up is to have three pairs of cast spacers on the bottom and three pairs of cast spacers on the top. Below is the process to adjust the Dropleg height.

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

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





Section 8 - Pre-Delivery Checklist

Dealer Pre-Delivery Checklist

To be completed by the Dealer on commissioning of the machine

| Check Item: | Initial |
|---|---------|
| Tow hitch is fitted correctly with bolts tightened to correct torque and marked | |
| Air brake hoses are correctly routed through holders and fitted with no leaks | |
| Air brake relay valve is correctly set for the load | |
| Hydraulic hoses are routed through holders and fitted to cylinders with no leaks | |
| Hydraulic Accumulator is charged correctly (2006 only) | |
| All bolts and nuts are tightened to the correct torque and marked | |
| All split pins are inserted and split | |
| All tyres are fitted correctly and inflated to the correct pressure | |
| All wheel nuts are tightened to the correct torque and marked | |
| Swivel units are correctly orientated | |
| Drop legs are correctly orientated and adjusted | |
| Grease all marked locations | |
| Disc roll pins/locking bolts are installed in the discs (CL1, CL2 and K4 only) | |
| Check the chain tension as per Operators Manual | |
| Machine folds/unfolds in the correct sequence | |
| Chains are resting correctly on their transport supports (chain carriers) | |
| All safety signs and decals are in the correct locations as per the Assembly/Operators Manual | |
| All safety lights are in the correct locations and working | |
| Machine is registered for Warranty | |
| Customer has been shown the website and how to access parts information | |
| Operators manual has been provided with the machine | |

Completed Pre-Delivery Checklist to be returned to warranty@kellytillage.com within 7 days of delivery to the customer.

Name:

Signature:

On behalf of the Dealer

Date:

