

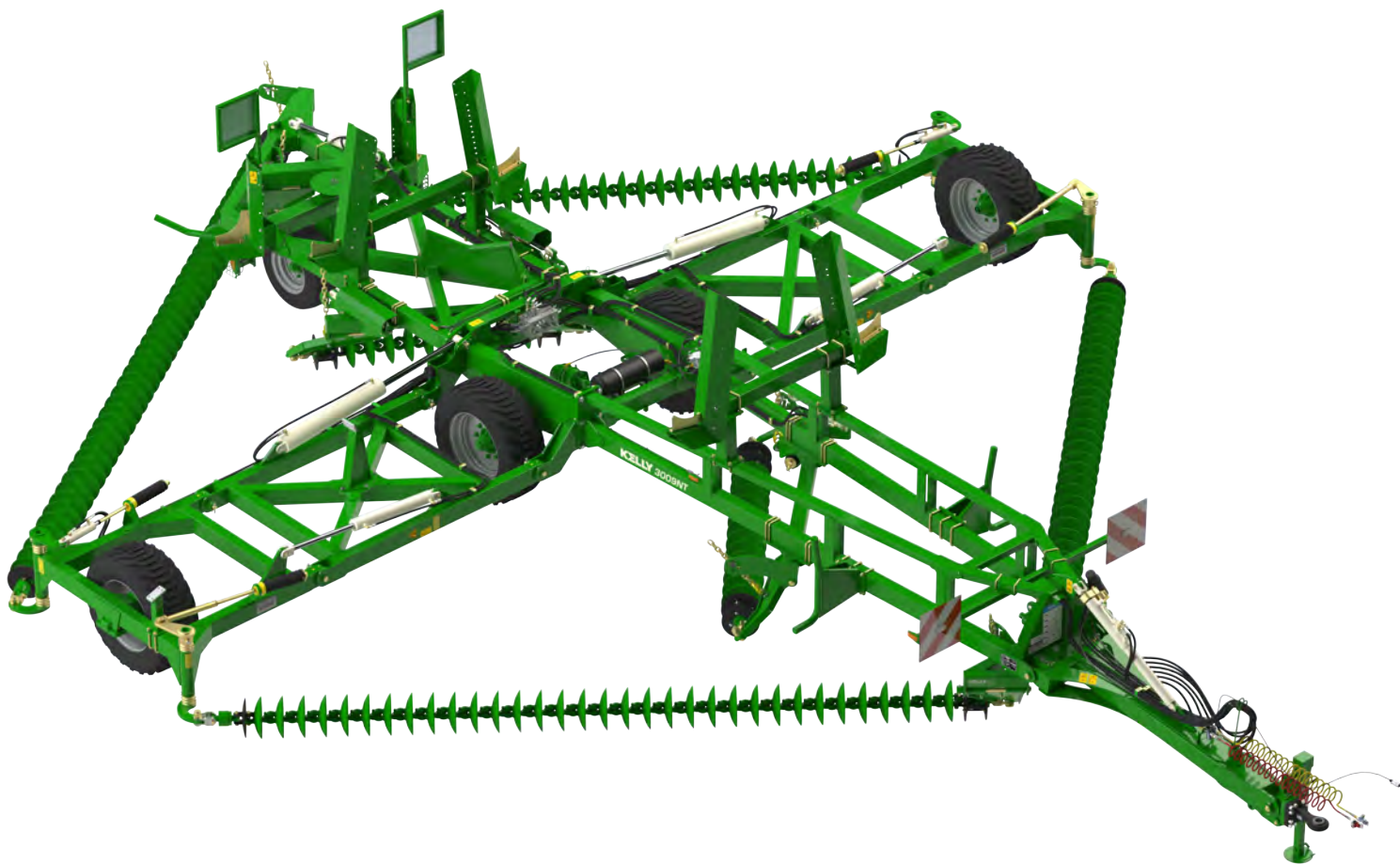


Better Tillage. Better Tomorrow.

Assembly Manual

KELLY TILLAGE SYSTEM 3009NT

KTAM-K-01072023



SERIAL NUMBER:



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Email sales@kellytillage.com
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684 Kelly Road,
Booleroo Centre SA 5482

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Wayville SA 5034





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

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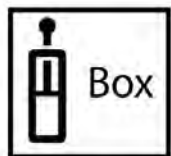
Legend



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

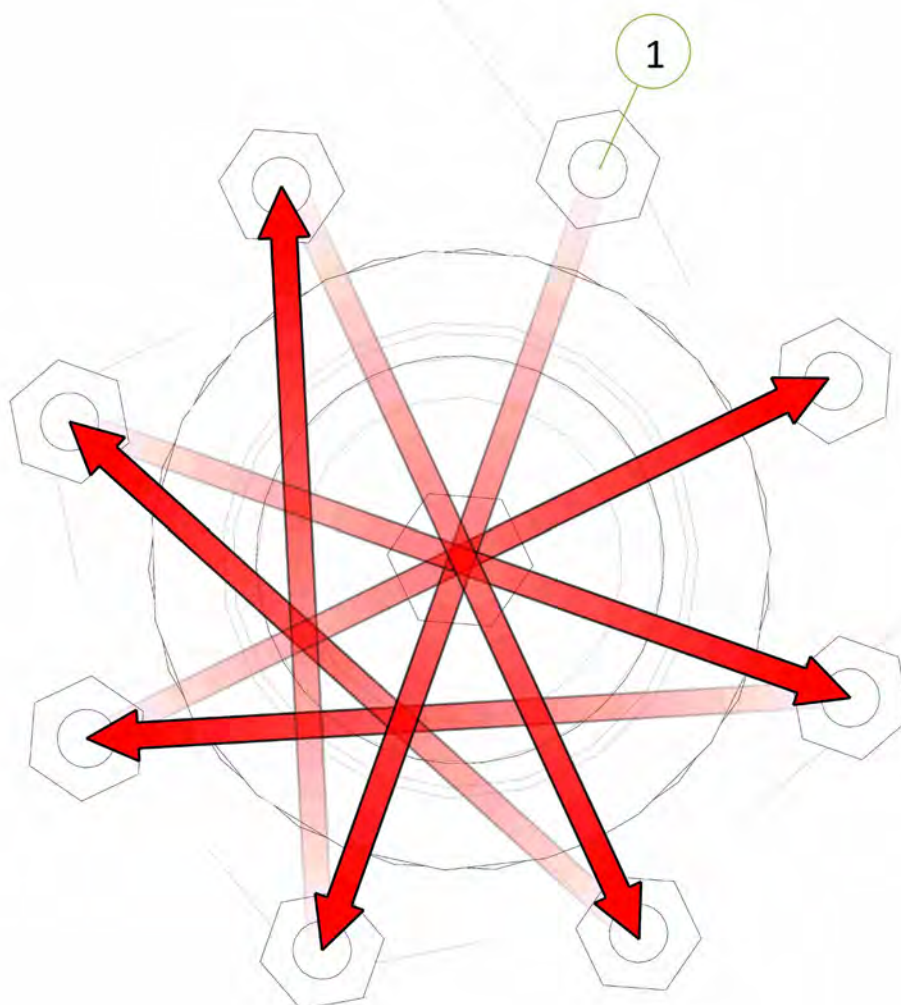
Bolt Type	Wheel nut			U Bolt			Class 8.8 Bolt							Class 10.9 Bolt		
Bolt Size	M12	M18	M20	M12	M16	M20	M6	M8	M10	M12	M16	M20	M24	M20	M24	M36
Spanner	19	27	30	19	24	30	10	13	17	19	24	30	36	30	36	55
Nm	94	305	430	42	105	214	9.3	23	45	77	190	385	660	550	950	3070

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 and tyre to a hub, tighten the wheel nuts in a star pattern to the correct tension. To achieve this choose a wheel nut and tighten, then proceed to the opposite side of the hub to the next wheel nut and tighten and so on until all wheel nuts are tight. Then repeat the procedure to check that all nuts are tight. Do not use impact tools to tighten wheel nuts.

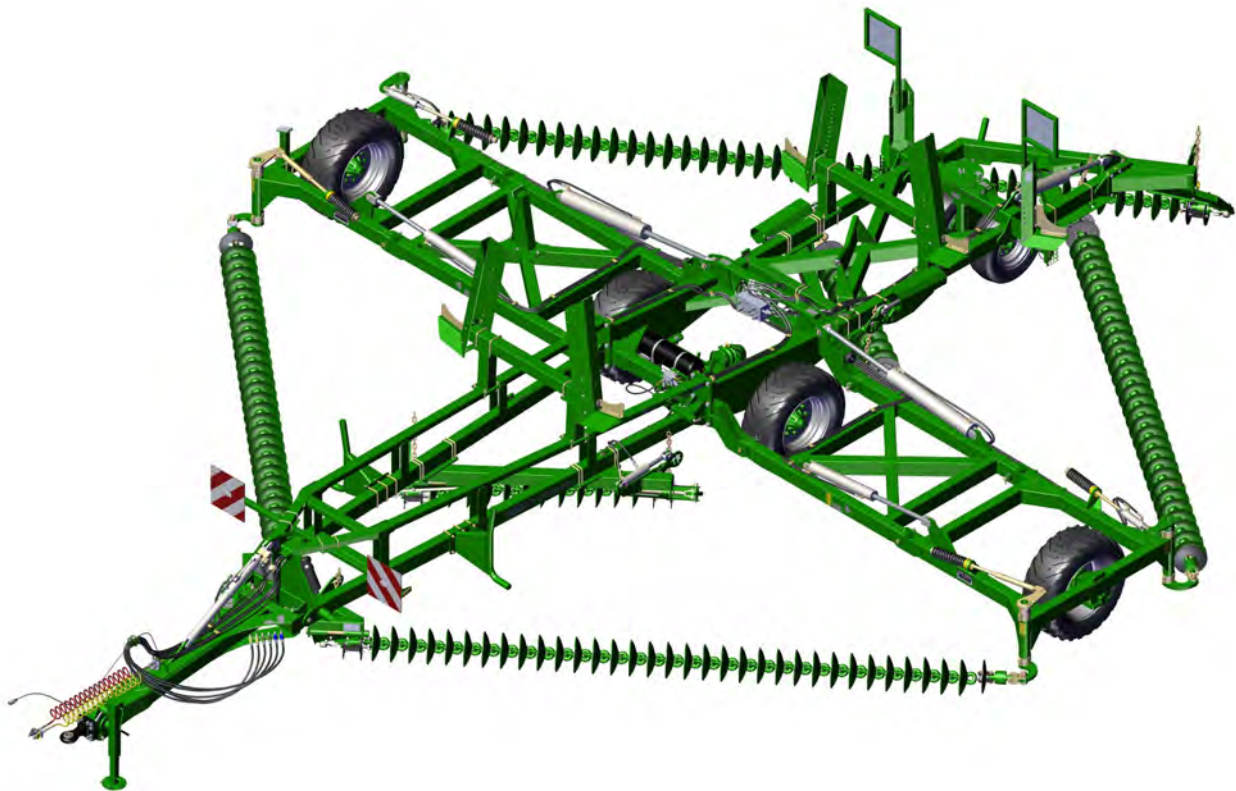
For a guide to the correct tension of the wheel nuts please use the appropriate tension for your size wheel nuts from the Bolt Torque Settings table.

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

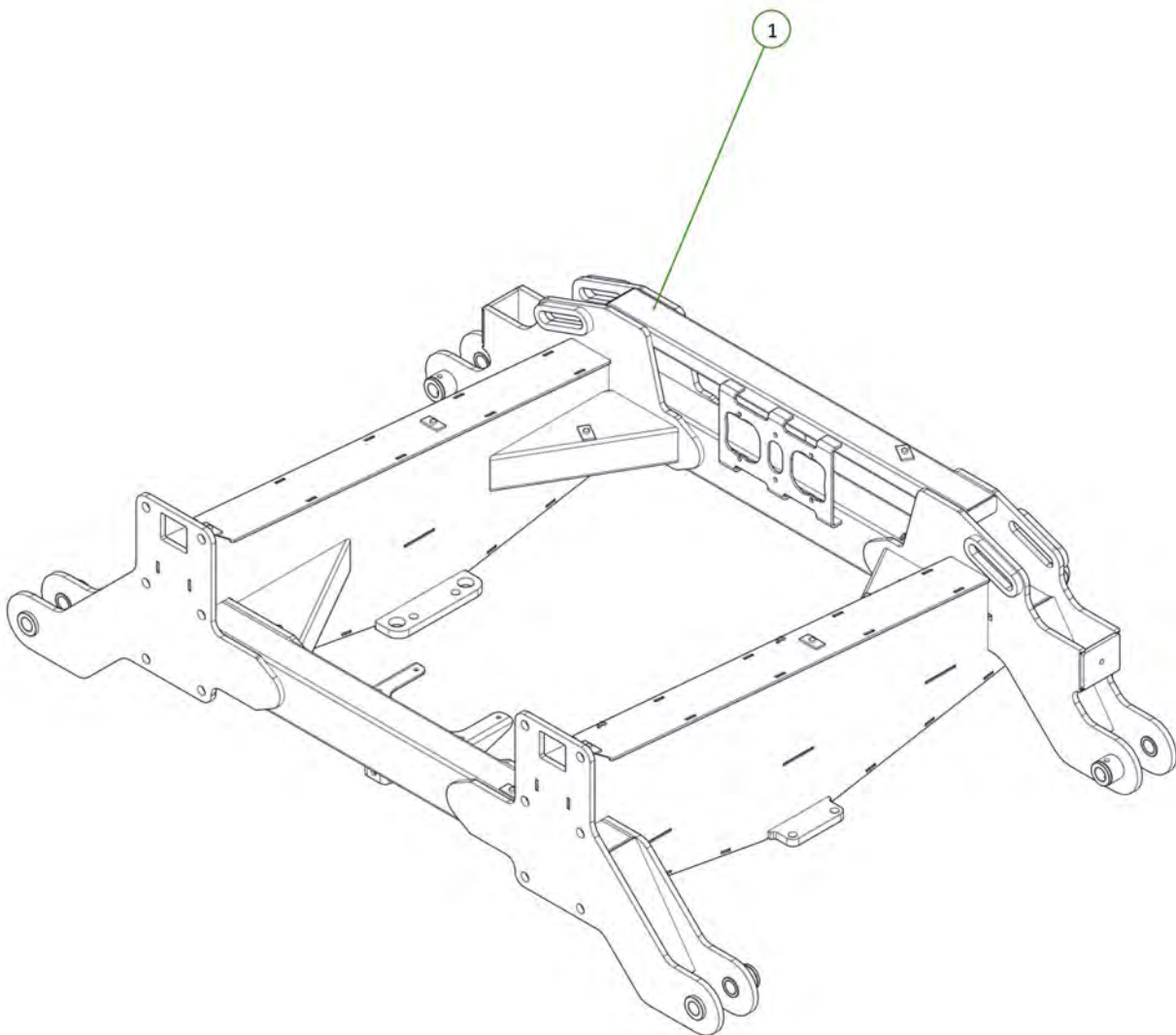




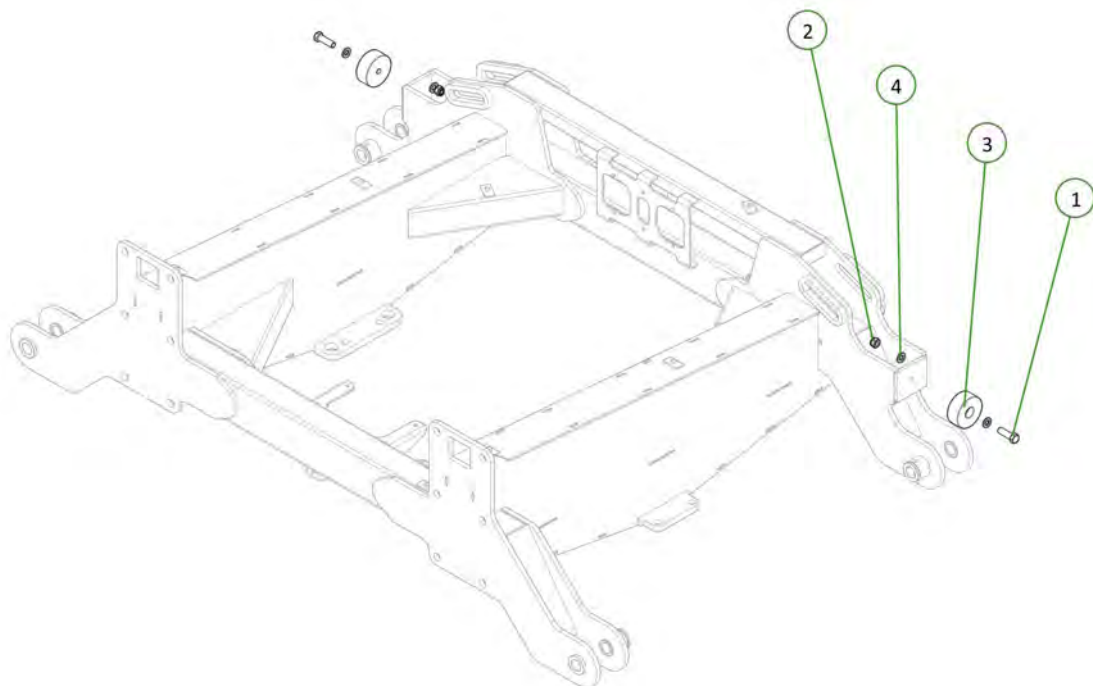
Section 1 - Assembly



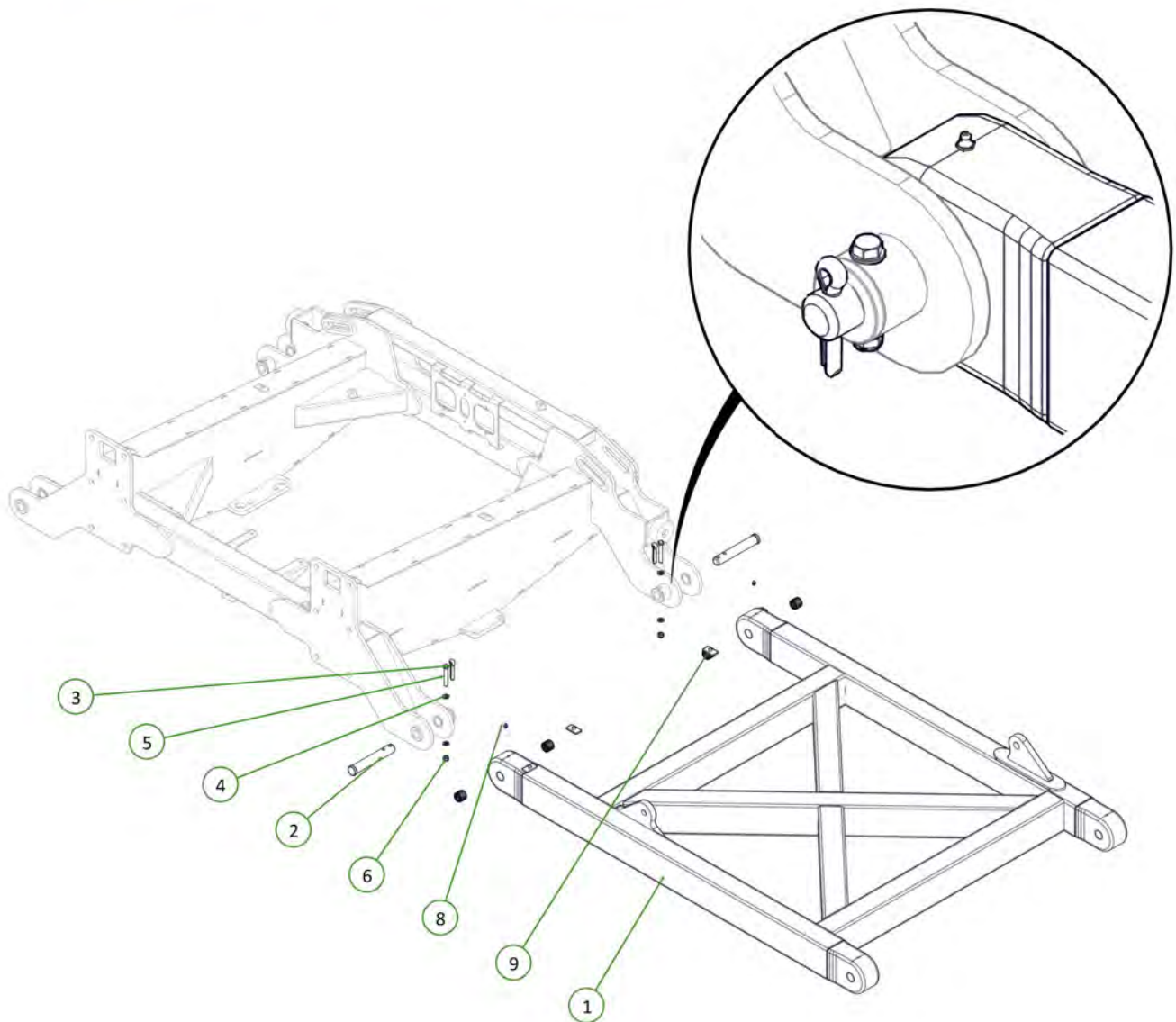
Item No.	Description	Qty	Number
1	Centre Frame	1	1532-01E



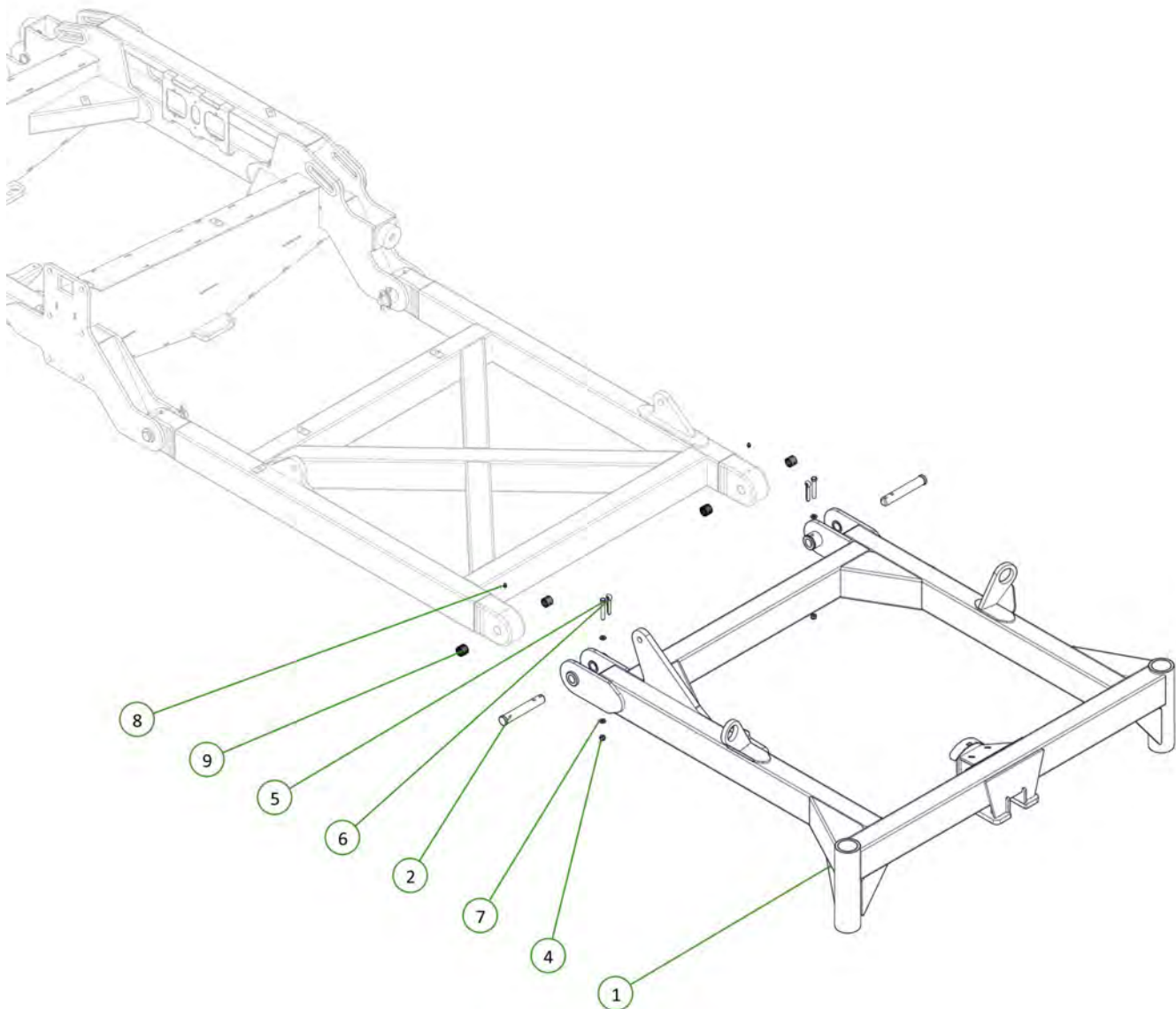
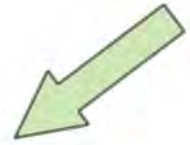
Item No.	Description	Qty	Number
1	M16 x 55 grade 8.8 zp Bolt	2	0211-1655
2	Nyloc Nut M16	2	0221-NYL16
3	Wing Folding Buffer	2	1201-12
4	Washer Flat M16	4	0231-F16



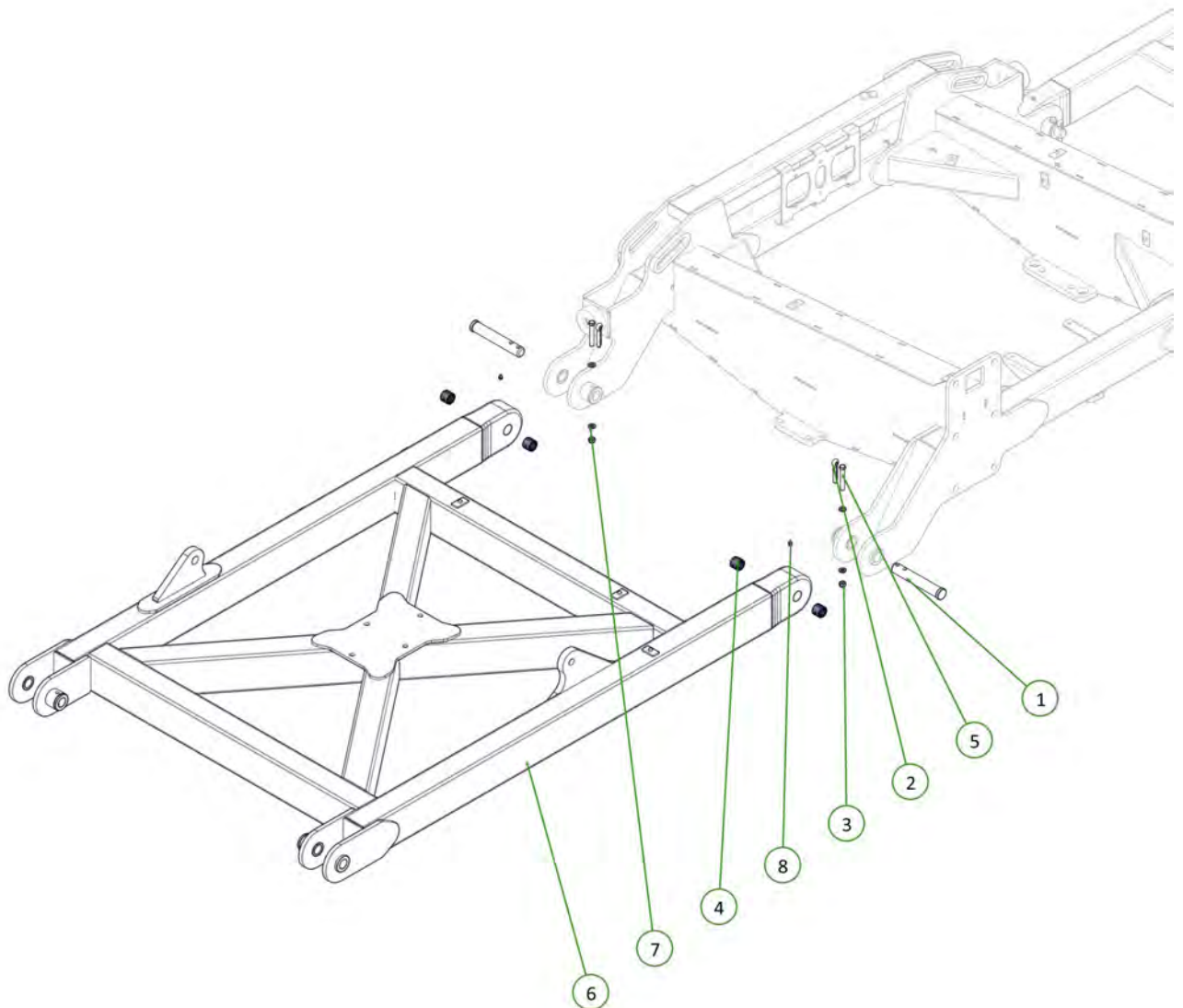
Item No.	Description	Qty	Number
1	Left Hand Inner Wing	1	1532-05-3E
2	PCH Wing Pivot Pin	2	0801-10-08-235
3	Cotter Pin M13 x 63	2	0261-PINC1363
4	Washer Flat M12	4	0231-F12
5	M12 x 80 grade 8.8 ZP Bolt	2	0211-1280
6	Nyloc Nut M12	2	0221-NYL12
8	Grease Nipple 1/8" BSP	2	0181-GN1-8
9	35 ID x 30mm DX Bush	4	0113-MB3530DX



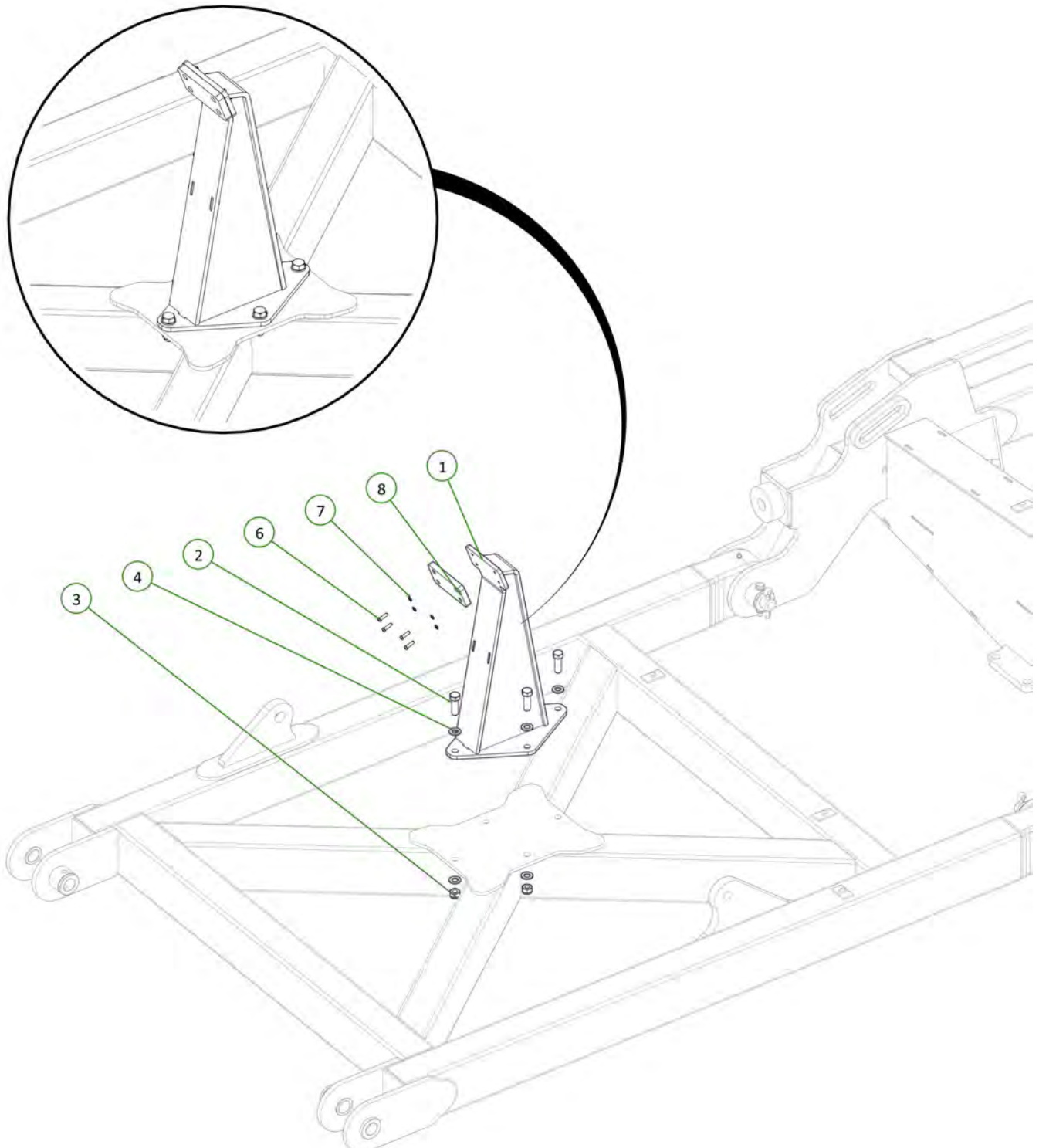
Item No.	Description	Qty	Number
1	Left Hand Outer Wing	1	1532-07-3
2	PCH Wing Pivot Pin	2	0801-10-08-235
4	Nyloc Nut M12	2	0221-NYL12
5	M12 x 80 grade 8.8 ZP Bolt	2	0211-1280
6	Cotter Pin M13 x 63	2	0261-PINC1363
7	Washer Flat M12	4	0231-F12
8	Grease Nipple 1/8" BSP	2	0181-GN1-8
9	35 ID x 30mm DX Bush	2	0113-MB3530DX



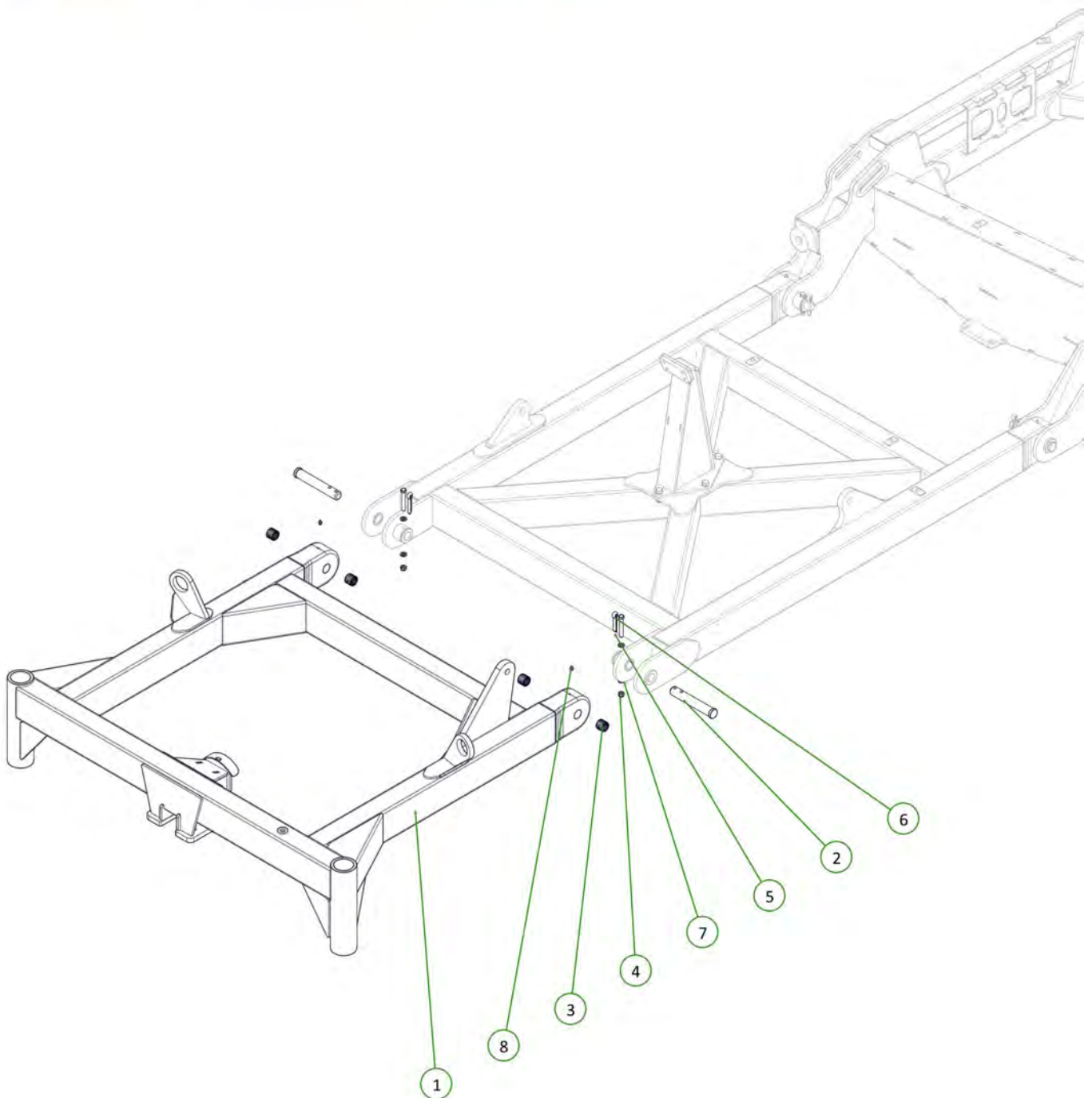
Item No.	Description	Qty	Number
1	PCH Wing Pivot Pin	2	0801-10-08-235
2	Cotter Pin M13 x 63	2	0261-PINC1363
3	Nyloc Nut M12	2	0221-NYL12
4	35 ID x 30mm DX Bush	4	0113-MB3530DX
5	M12 x 80 grade 8.8 ZP Bolt	2	0211-1280
6	Right Hand Inner Wing	1	1532-04-3
7	Washer Flat M12	4	0231-F12
8	Grease Nipple 1/8" BSP	2	0181-GN1-8



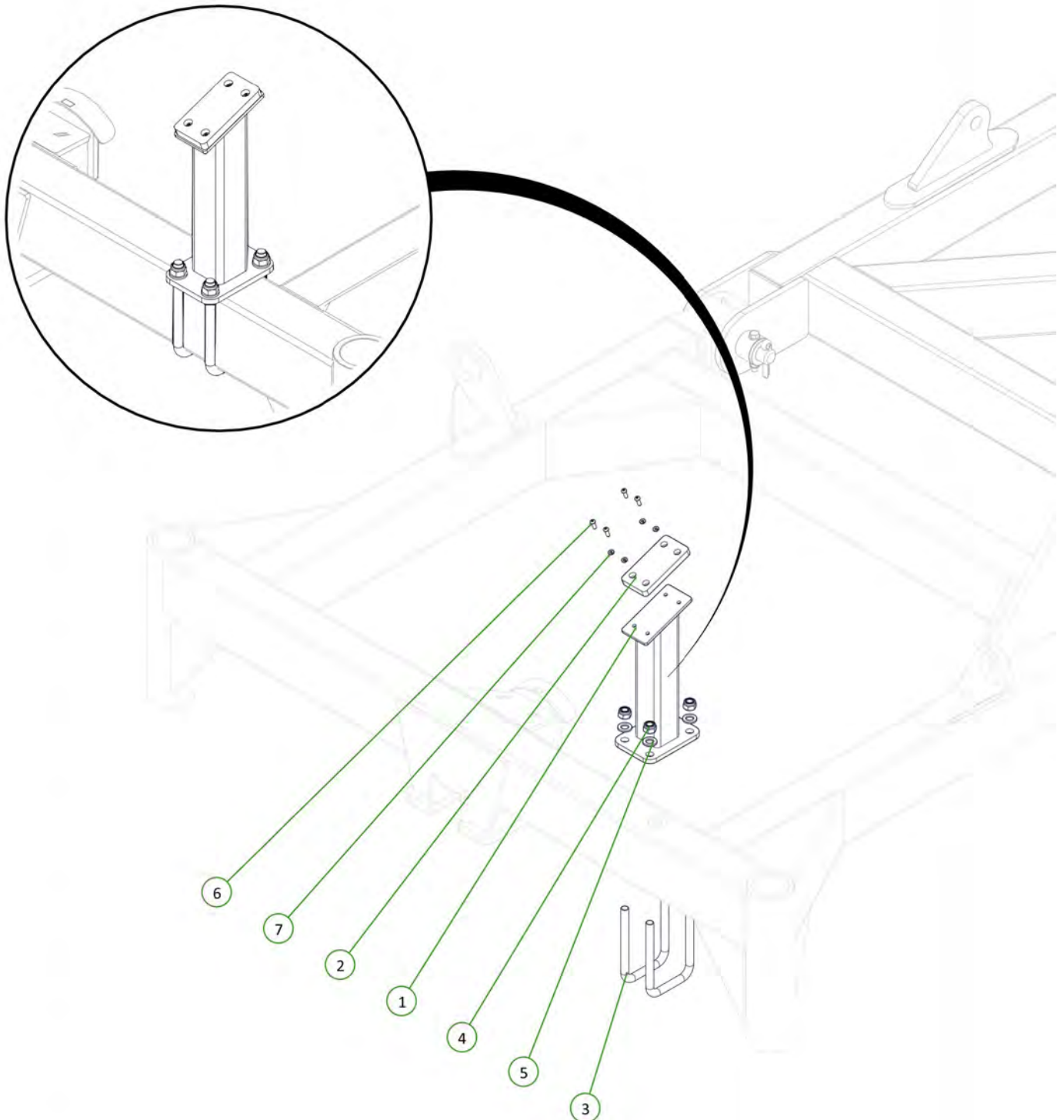
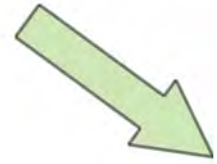
Item No.	Description	Qty	Number
1	Inner Wing Post	1	1532-04SPE
2	M16 x 50 Grade 8.8 ZP Bolt	4	0211-1650
3	Nyloc Nut M16	4	0221-NYL16
4	Washer Flat M16	8	0231-F16
6	Button Head Screw M6 x 25mm ZP	4	0211-0625BH
7	Washer Spring M6	4	0231-S6
8	Wing Buffer Pad	1	1501-27



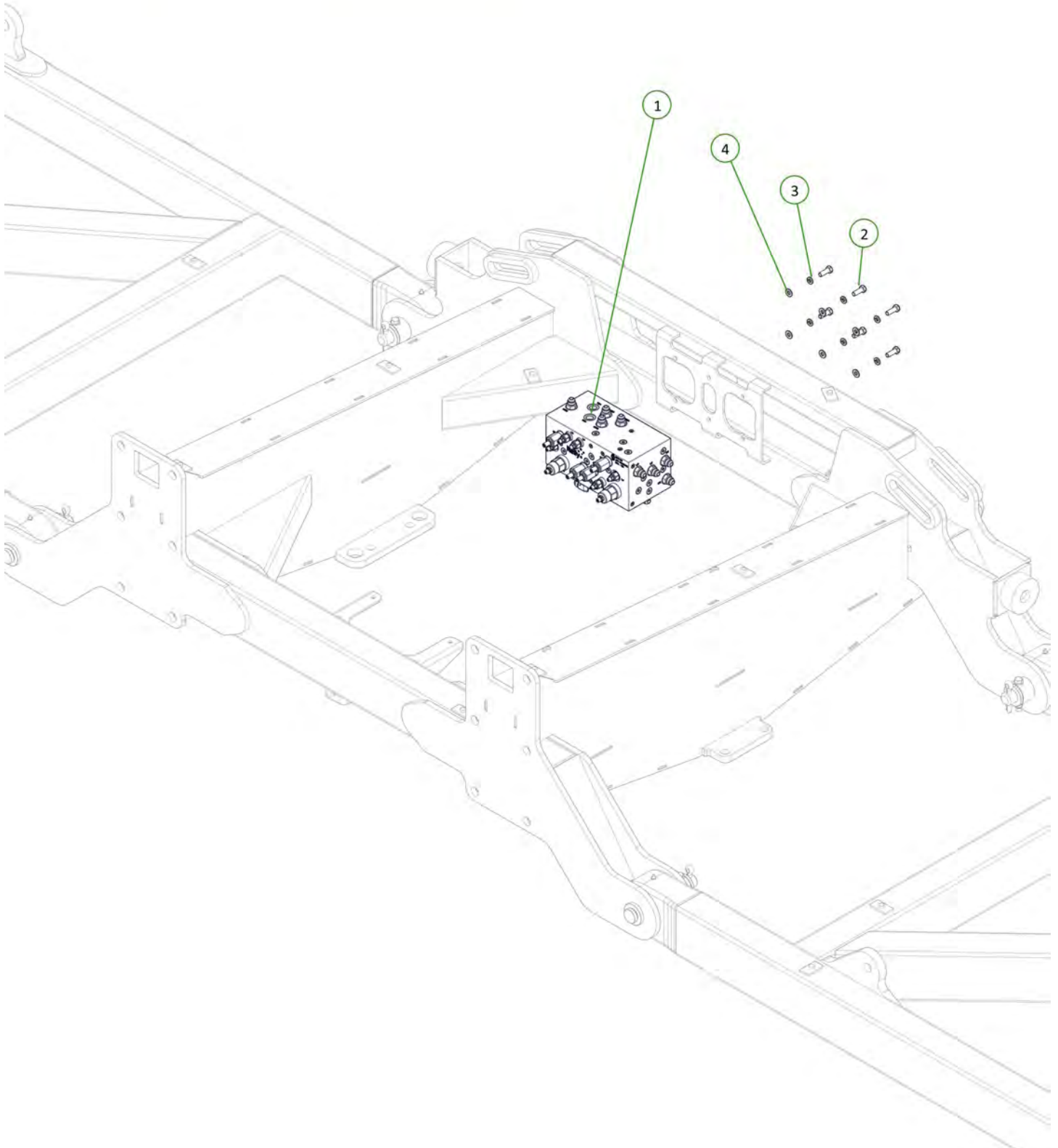
Item No.	Description	Qty	Number
1	Right Hand Outer Wing	1	1532-06-3E
2	PCH Wing Pivot Pin	2	0801-10-08-235
3	35 ID x 30mm DX Bush	4	0113-MB3530DX
4	Nyloc Nut M12	2	0221-NYL12
5	M12 x 80 grade 8.8 ZP Bolt	2	0211-1280
6	Cotter Pin M13 x 63	2	0261-PINC1363
7	Washer Flat M12	4	0231-F12
8	Grease Nipple 1/8" BSP	2	0181-GN1-8



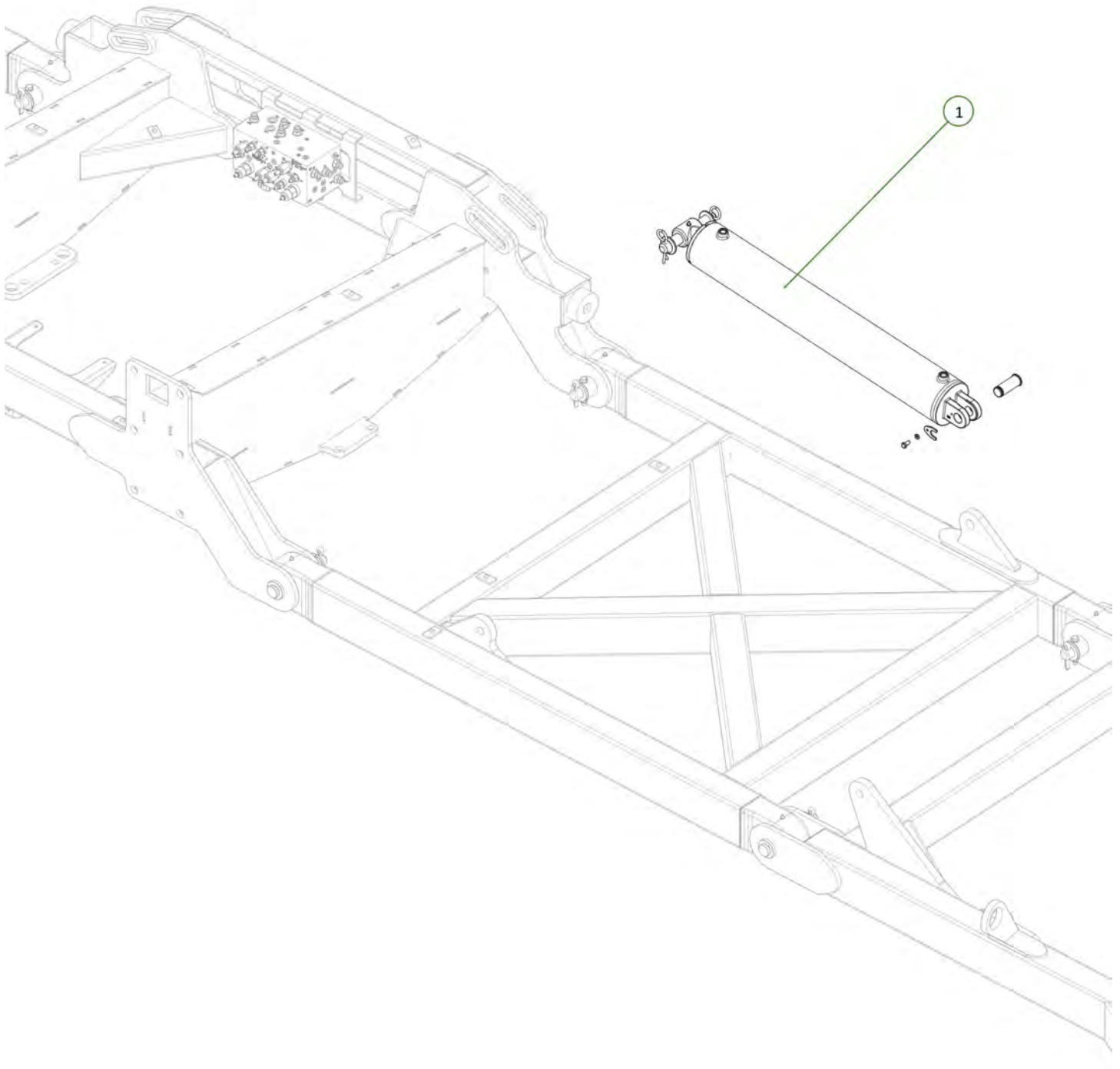
Item No.	Description	Qty	Number
1	Right Hand Outer Wing Post	1	1510-241E
2	Wing Buffer Pad	1	1501-27
3	U-Bolt M16 x 185 Deep x 104 Wide	2	0271-16185104
4	Nyloc Nut M16	4	0221-NYL16
5	Washer Flat M16	4	0231-F16
6	Button Head Screw M6 x 20mm ZP	4	0211-0620BH
7	Washer Spring M6	4	0231-S6

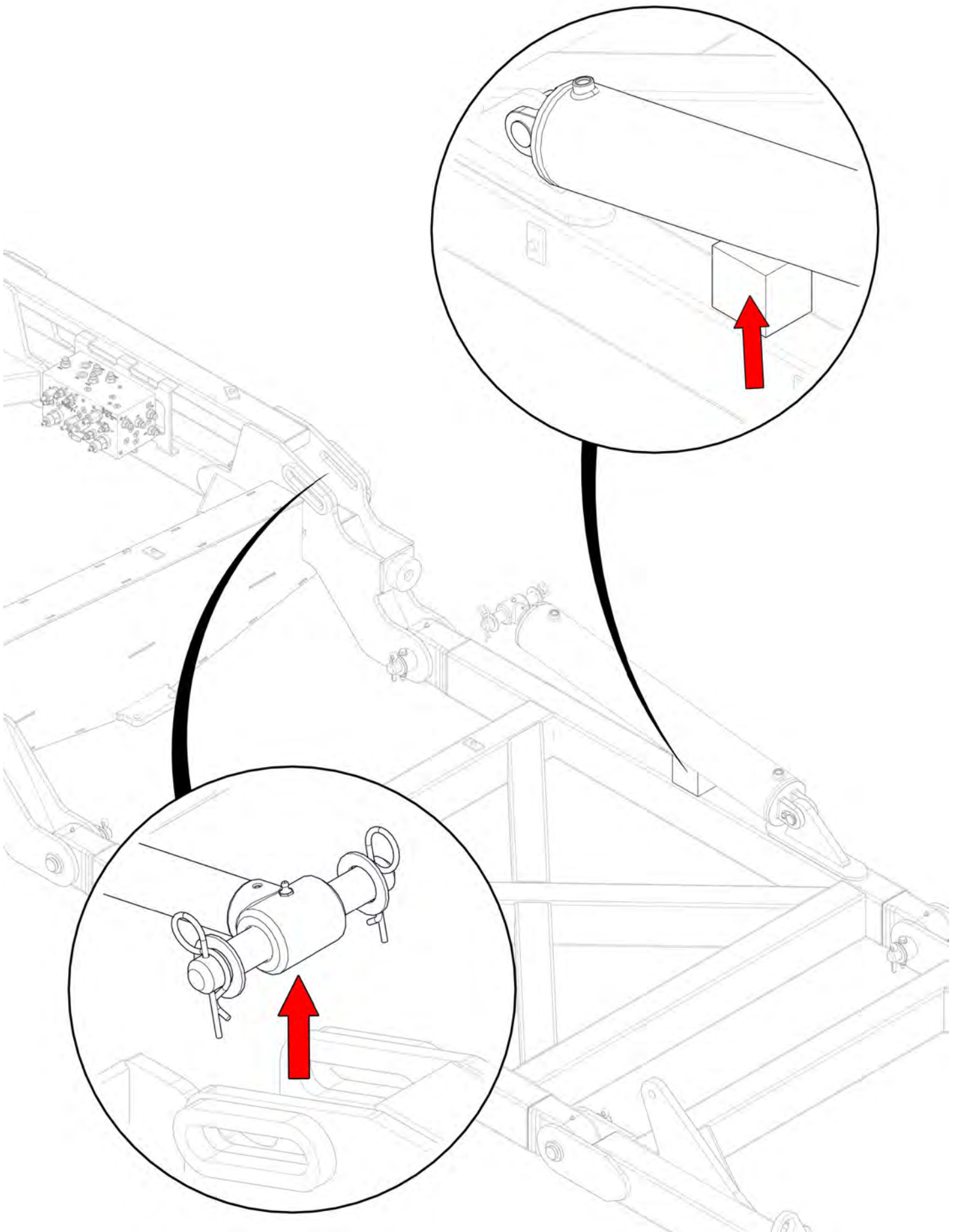


Item No.	Description	Qty	Number
1	Dual Circuit 3 Stage Sequence Manifold V12.5	1	0802-692196
2	M10 x 30 grade 8.8 ZP Bolt	6	0211-1030
3	Washer Spring M10	6	0231-S10
4	Washer Flat M10	6	0231-F10

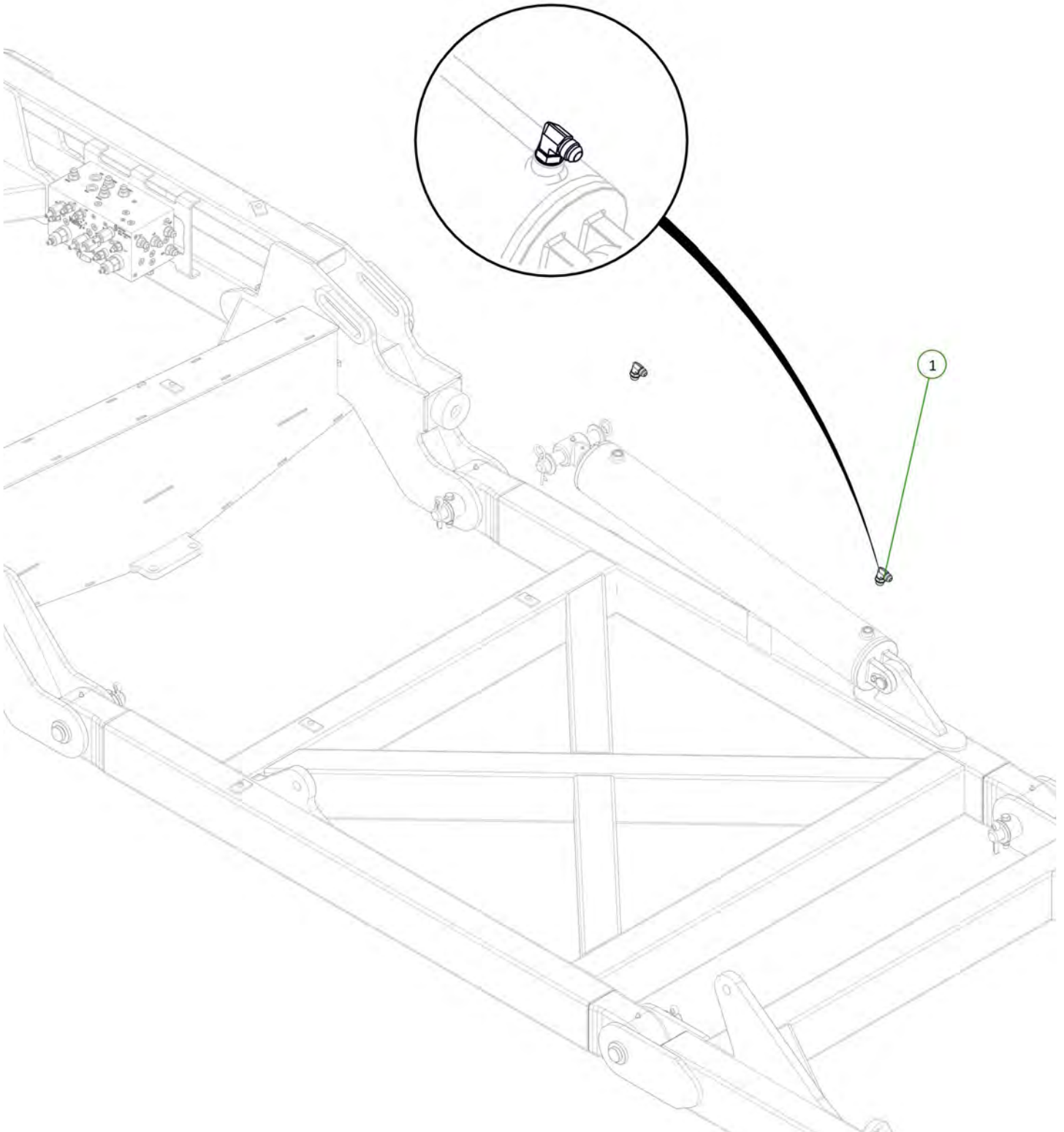


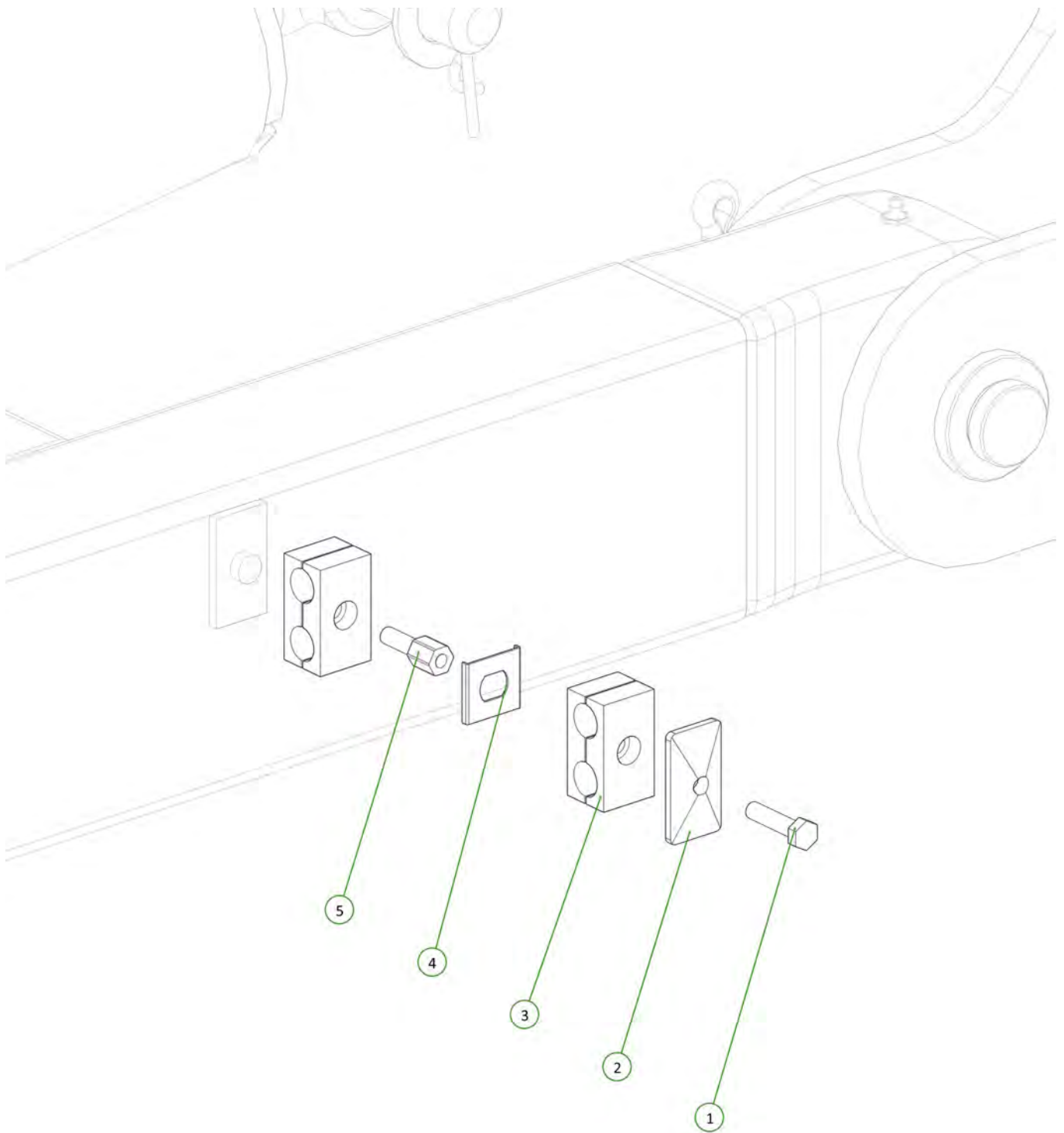
Item No.	Description	Qty	Number
1	5" Bore x 30" Stroke 2" Rod Cylinder with 3-1/8" Stop Tube	1	0311-530ST





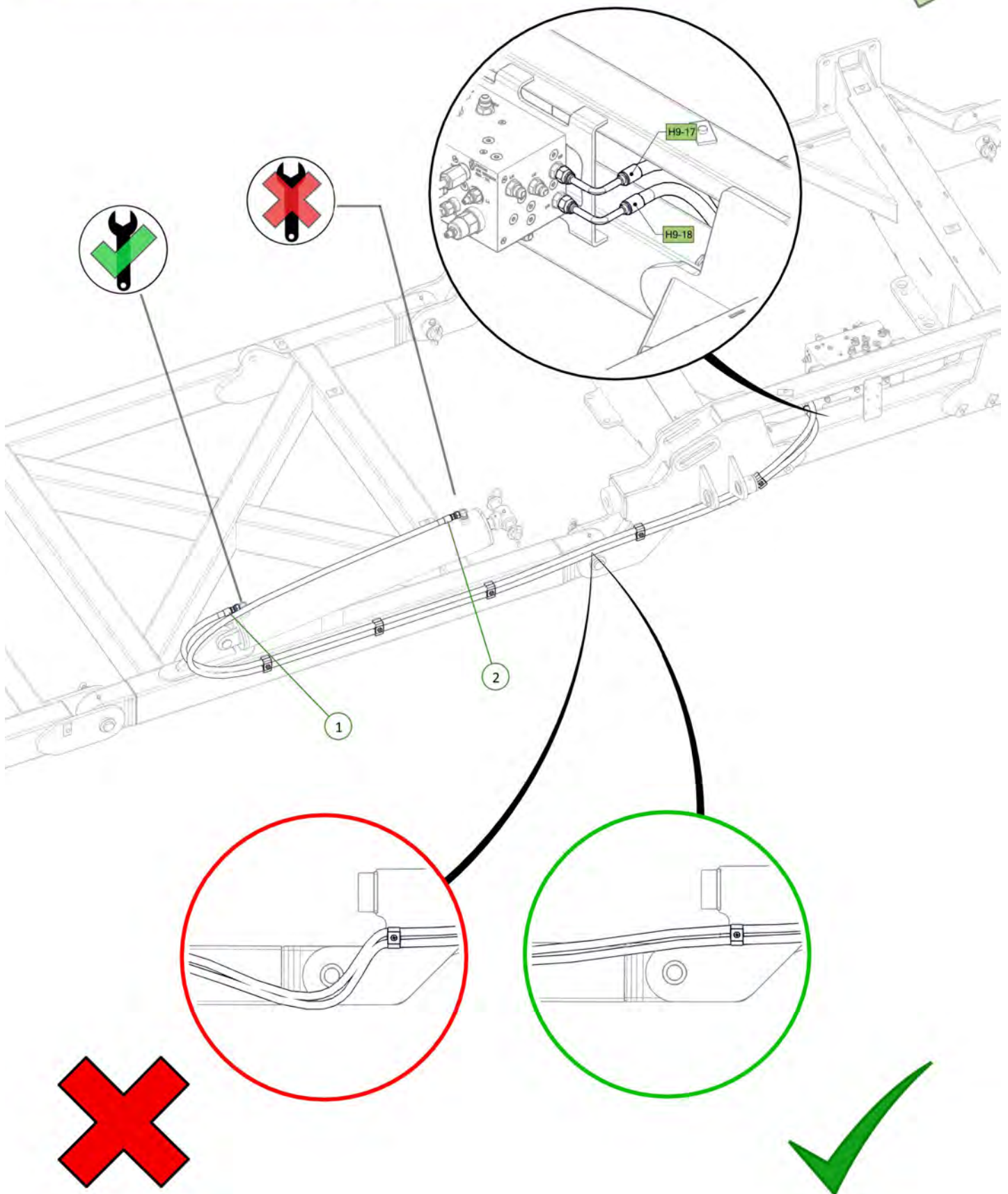
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212



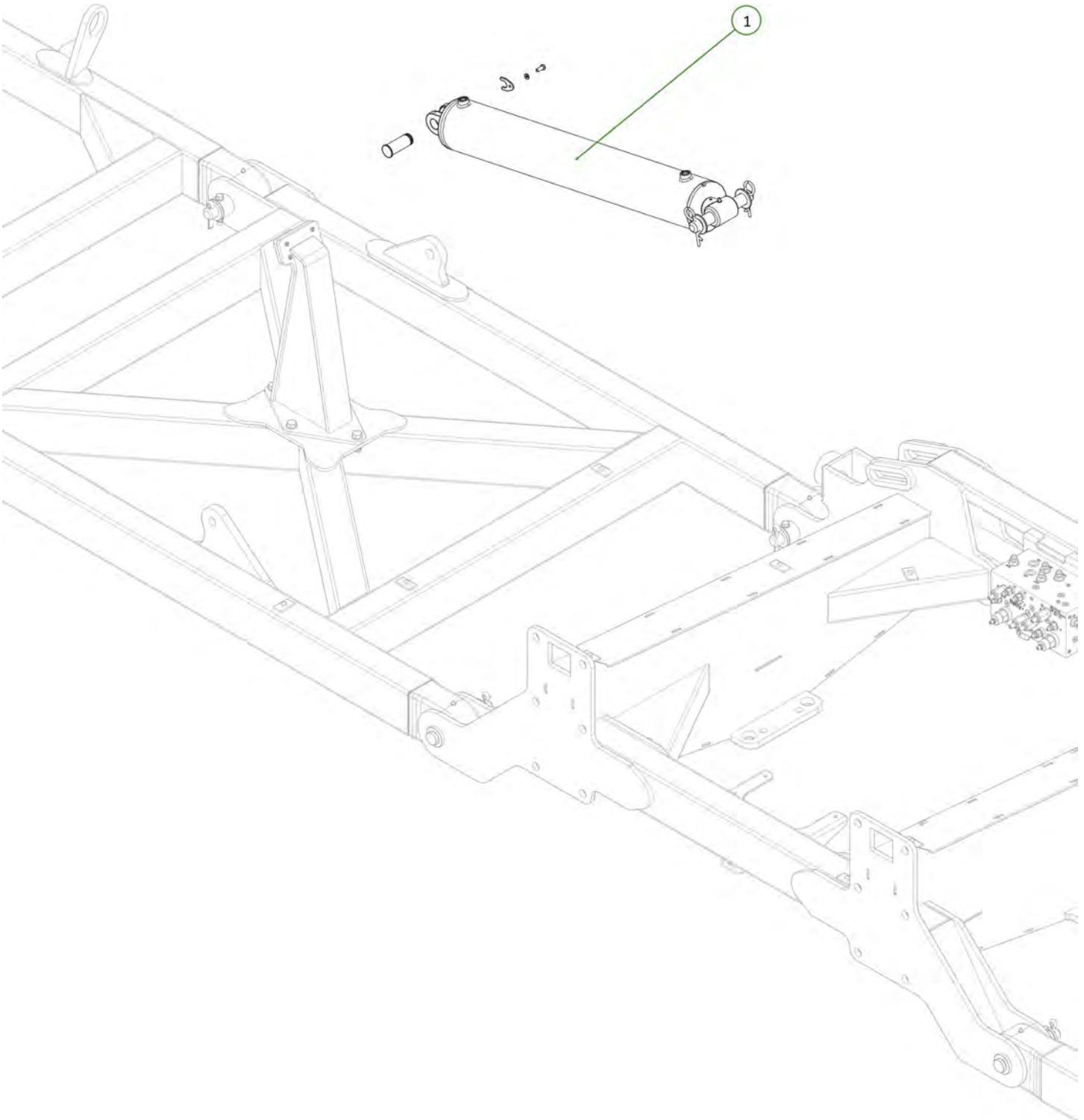


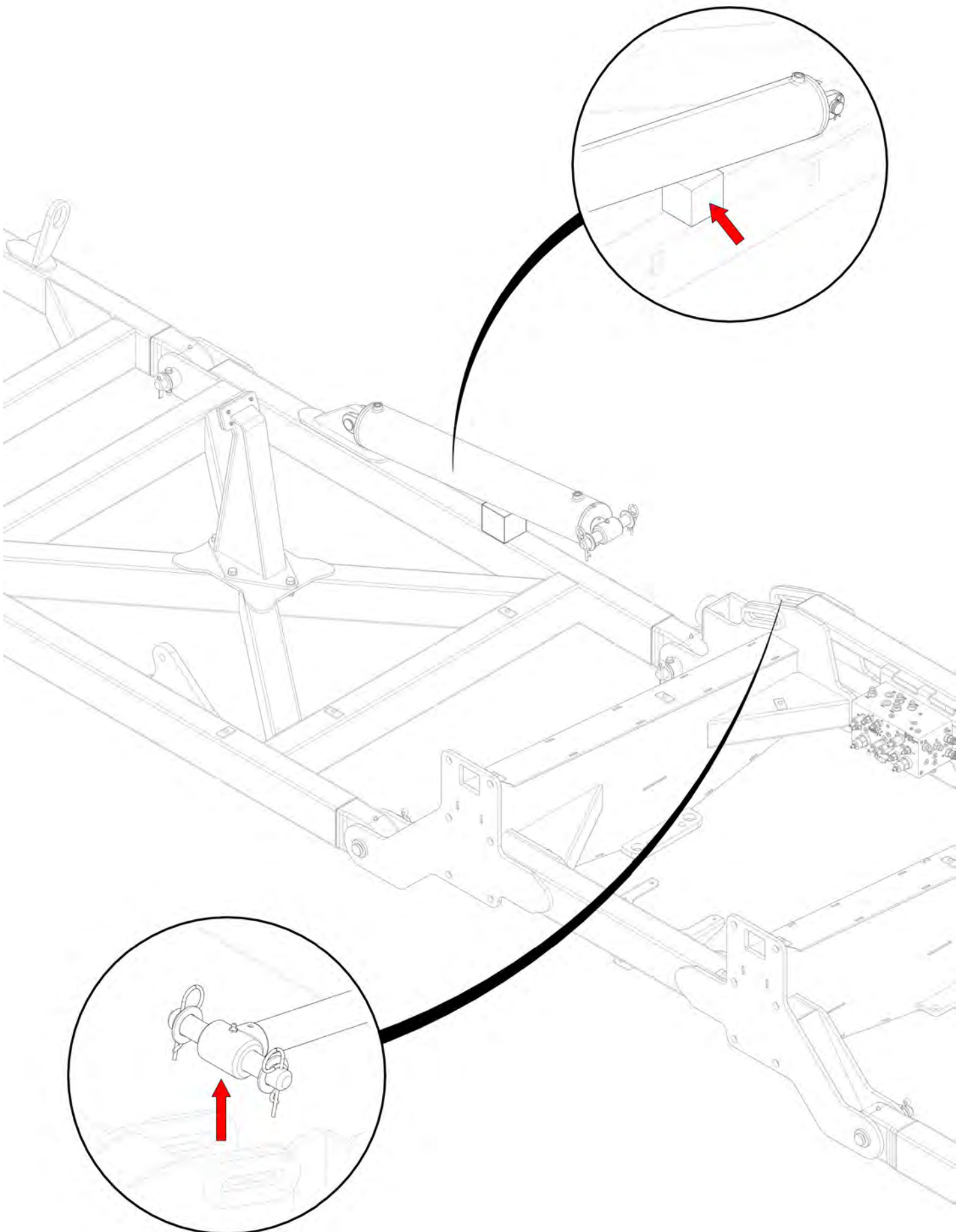
Item No.	Description	Qty	Number
1	Double Clamp Bolt Group 2	1	0325-RCD-2BH
2	Clamp top plate group 2	1	0325-RCD-2PT
3	17mm Clamp Jaws (Pair)	2	0325-RCD-17J
4	Double Clamp Stacking Plate (Non Ryco)	1	0325-SI-2-5D-W3
5	Double Clamp Stacking Bolt Group 2	1	0325-RCD-2BS

Item No.	Description	Qty	Number
1	Left CE Port to LH Main Wing Cylinder Extend Port	1	H9-17
2	Left CR Port to LH Main Wing Cylinder Retract Port	1	H9-18

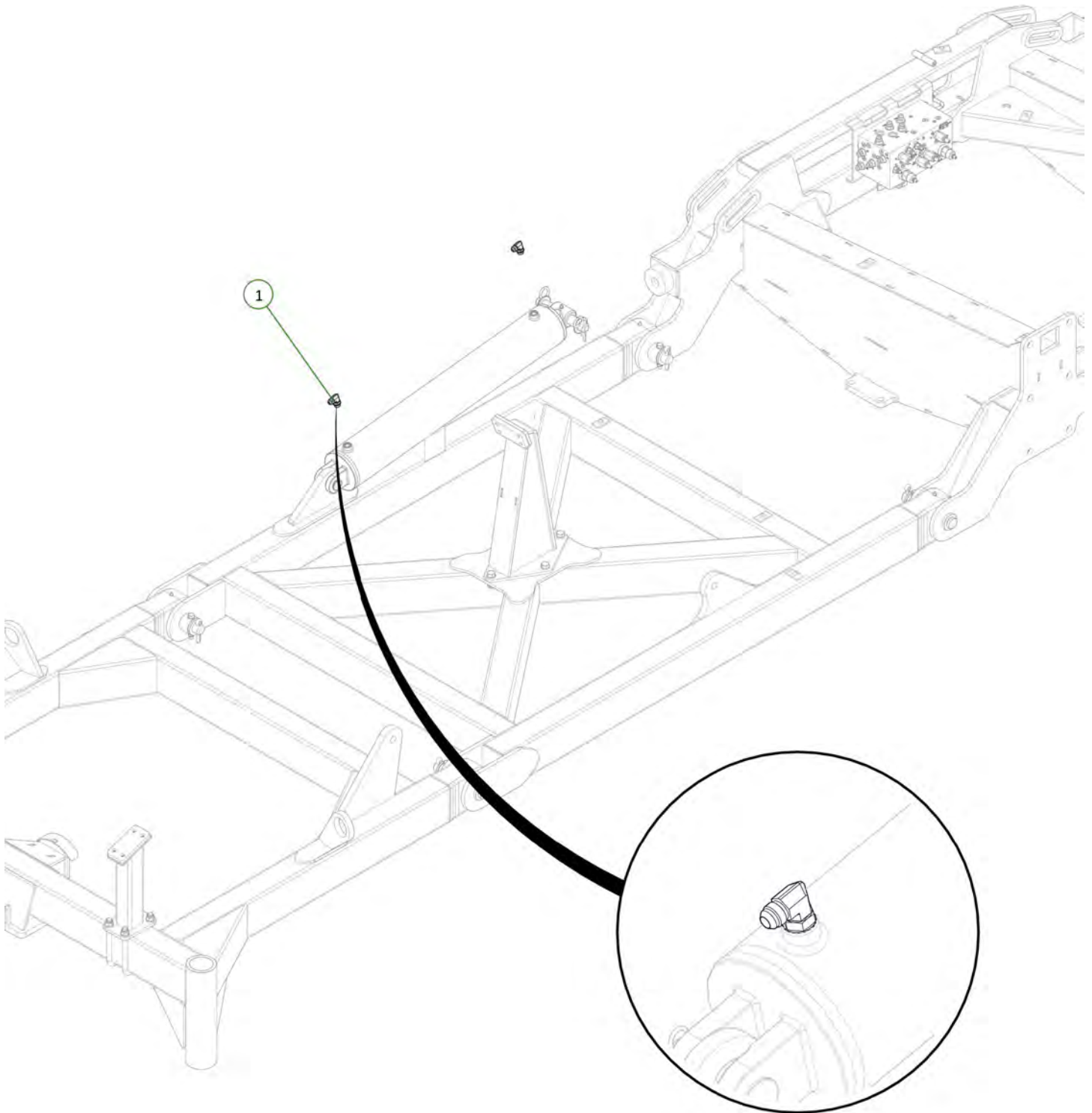


Item No.	Description	Qty	Number
1	5" Bore x 30" Stroke 2" Rod Cylinder with 3-1/8" Stop Tube	1	0311-530ST

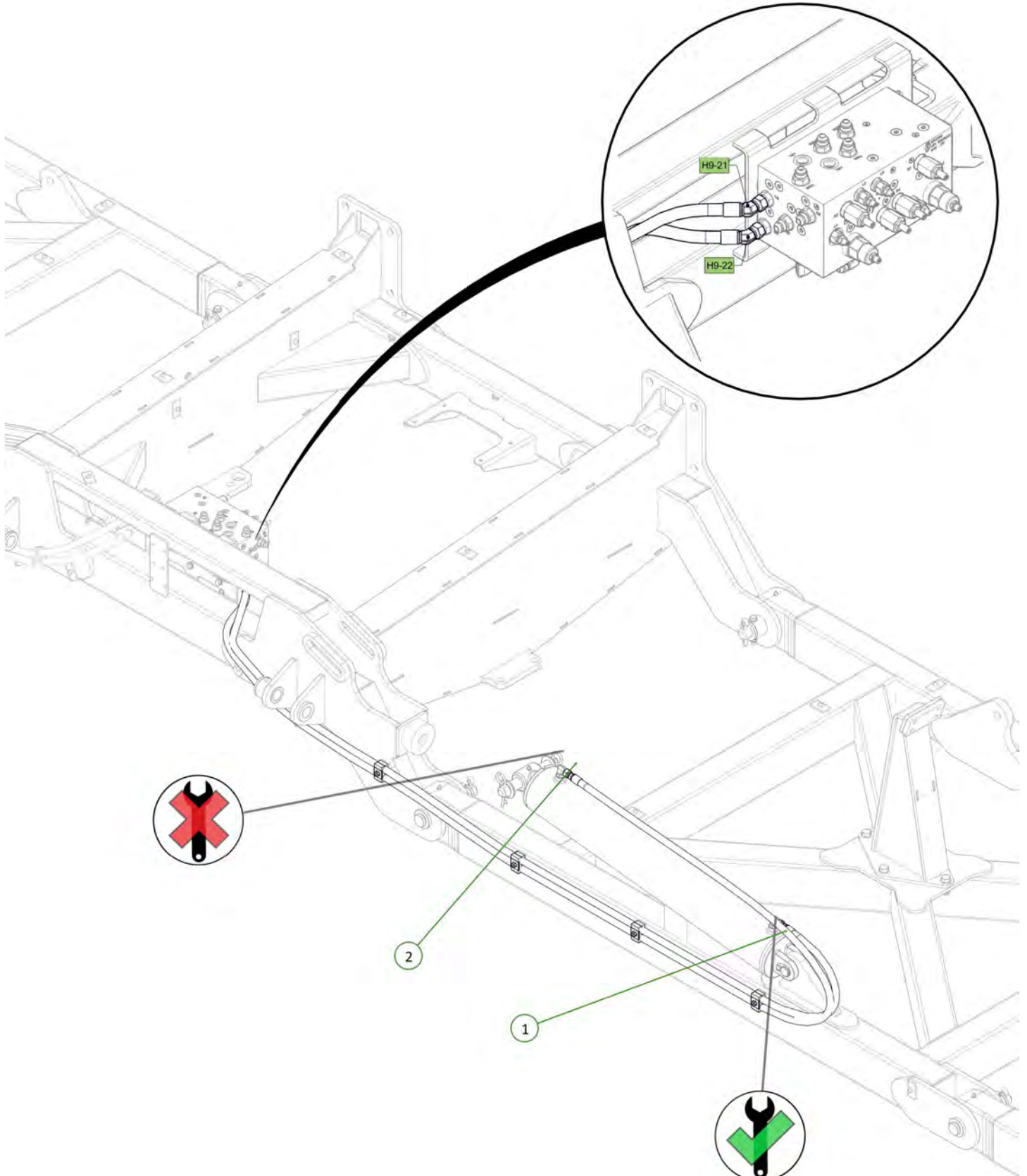




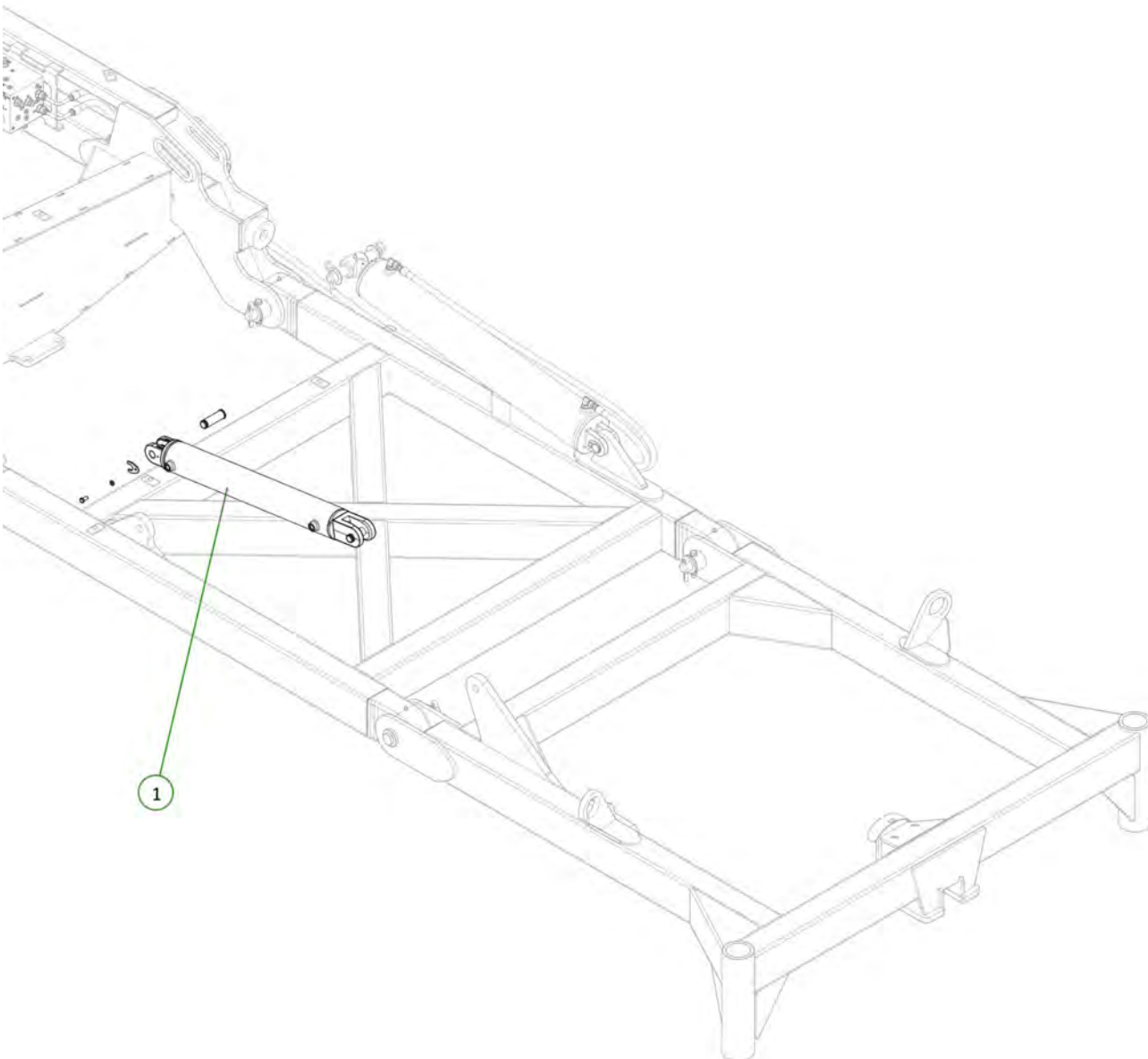
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212

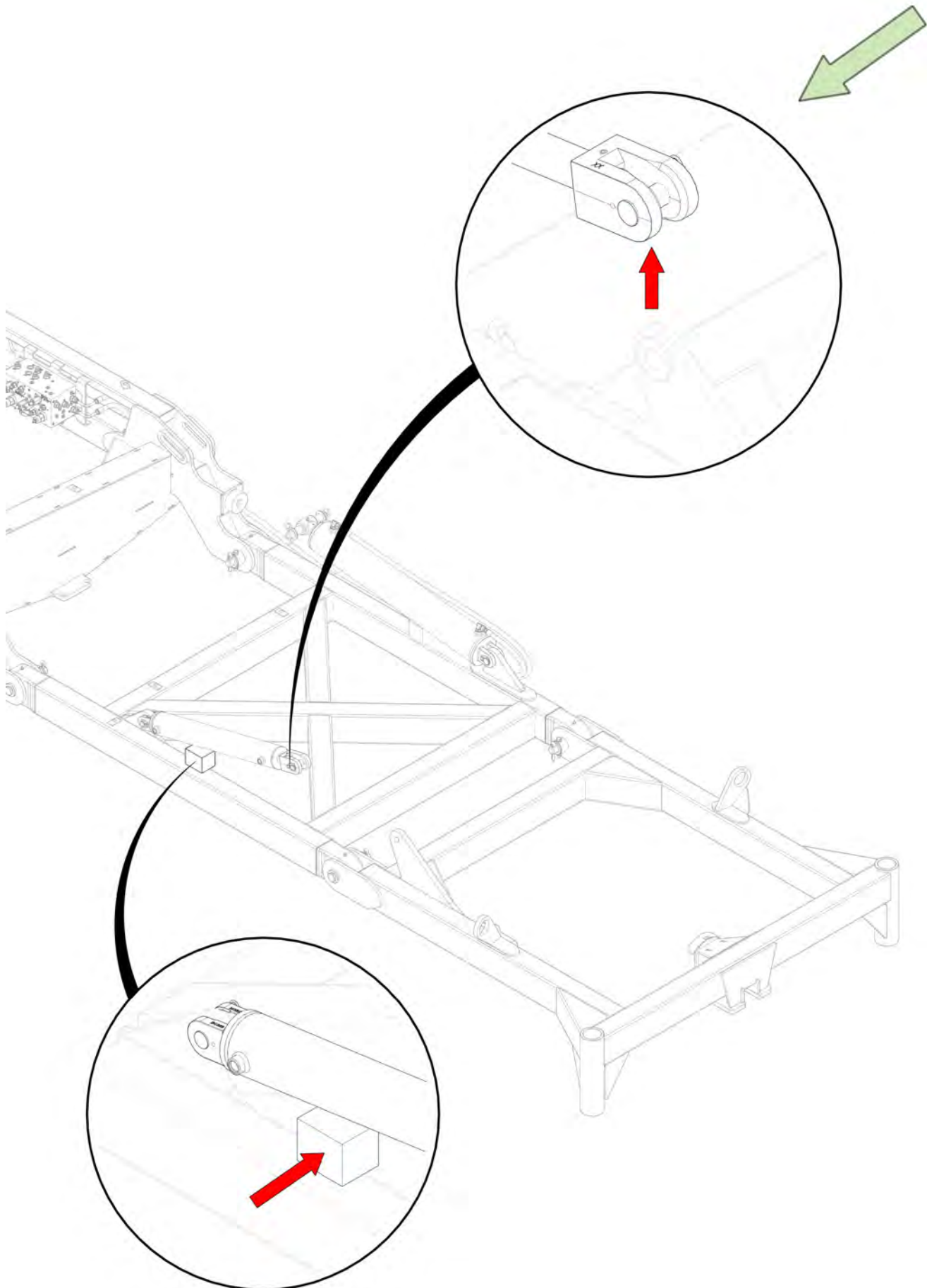


Item No.	Description	Qty	Number
1	Right CE Port to RH Main Wing Cylinder Extend Port	1	H9-21
2	Right CR Port to RH Main Wing Cylinder Retract Port	1	H9-22

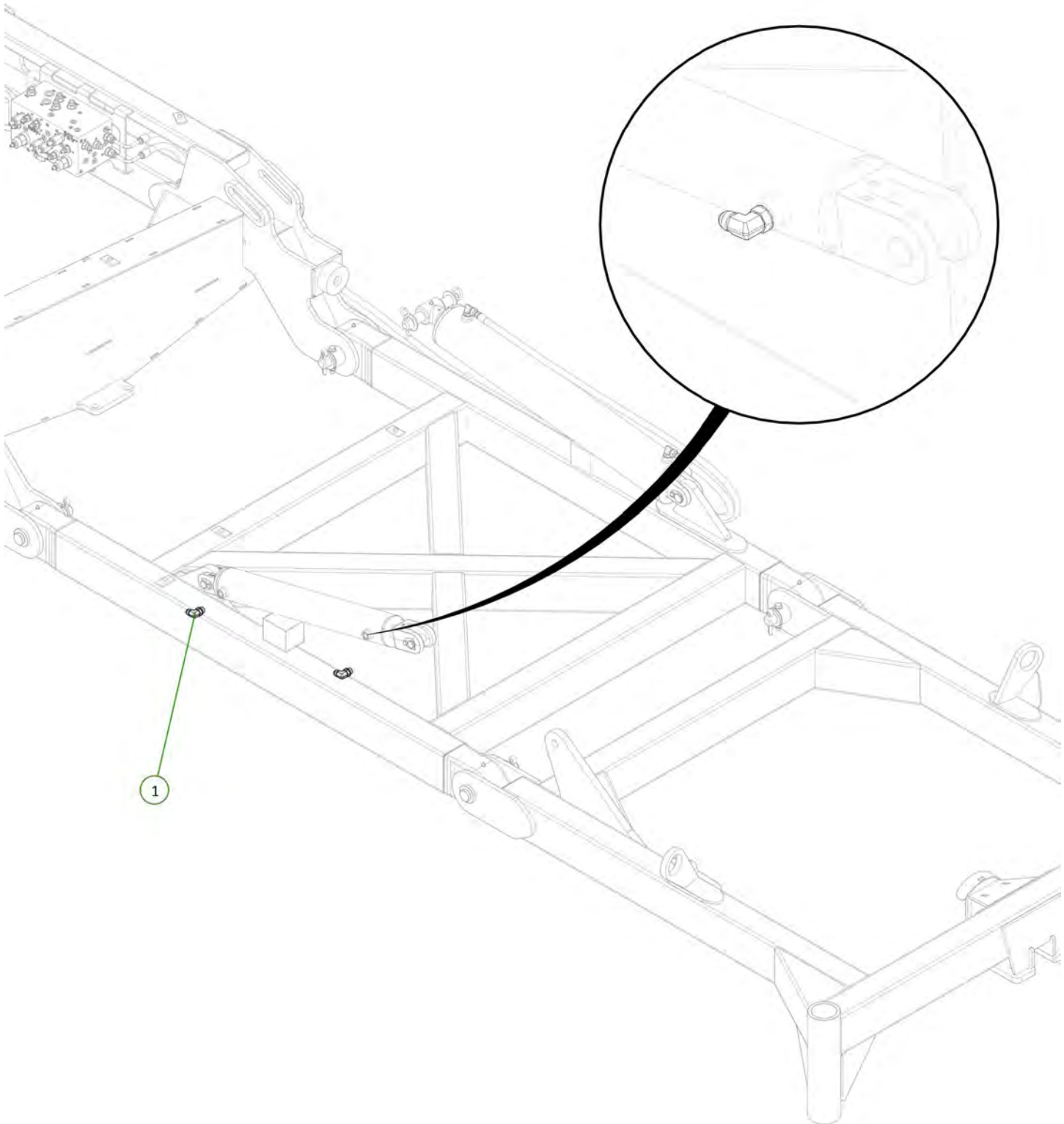


Item No.	Description	Qty	Number
1	3.5" Bore 24" Stroke 1.75" Rod Hydraulic Cylinder	1	0311-3524SP

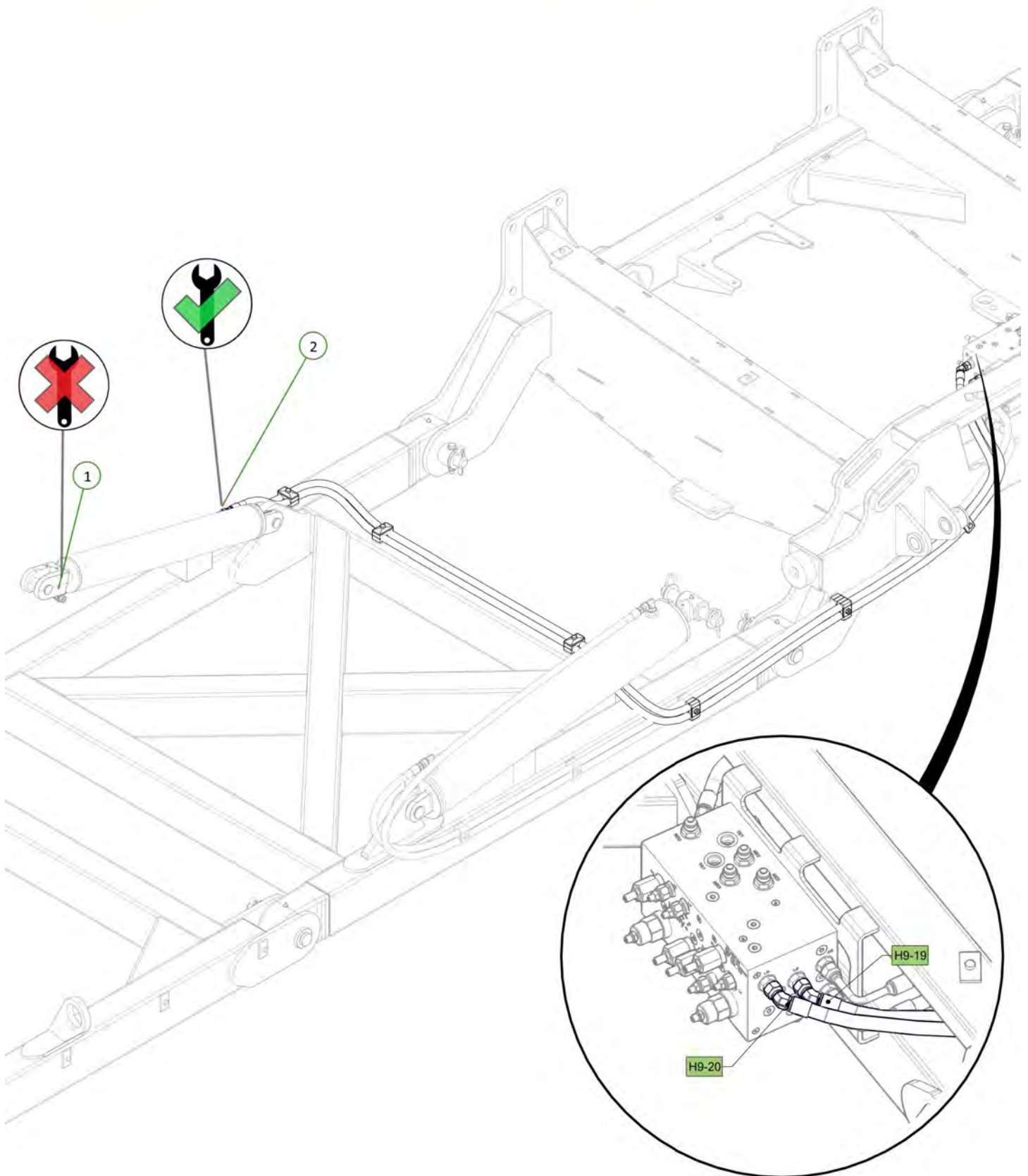




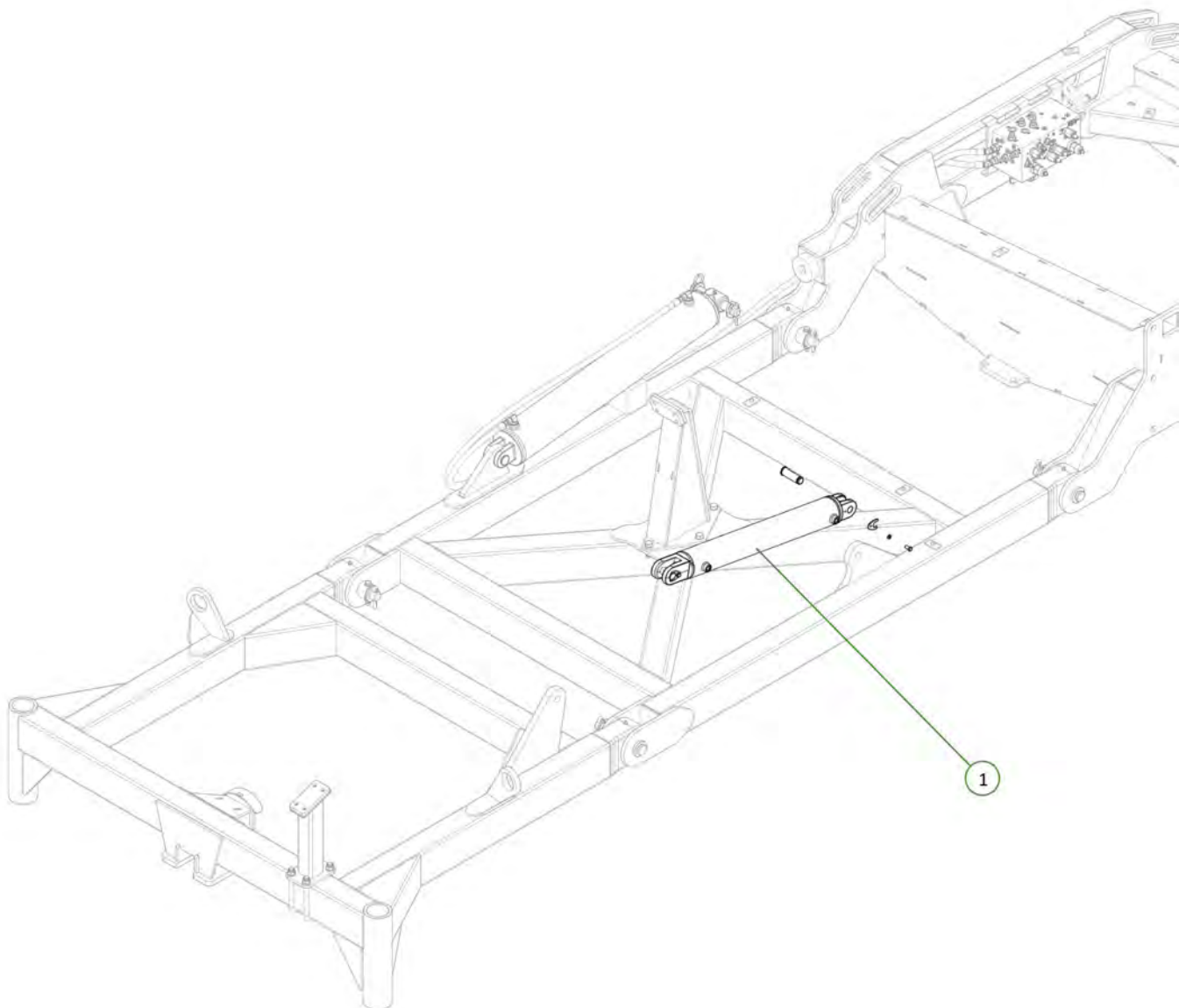
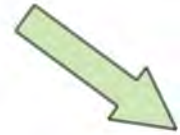
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212

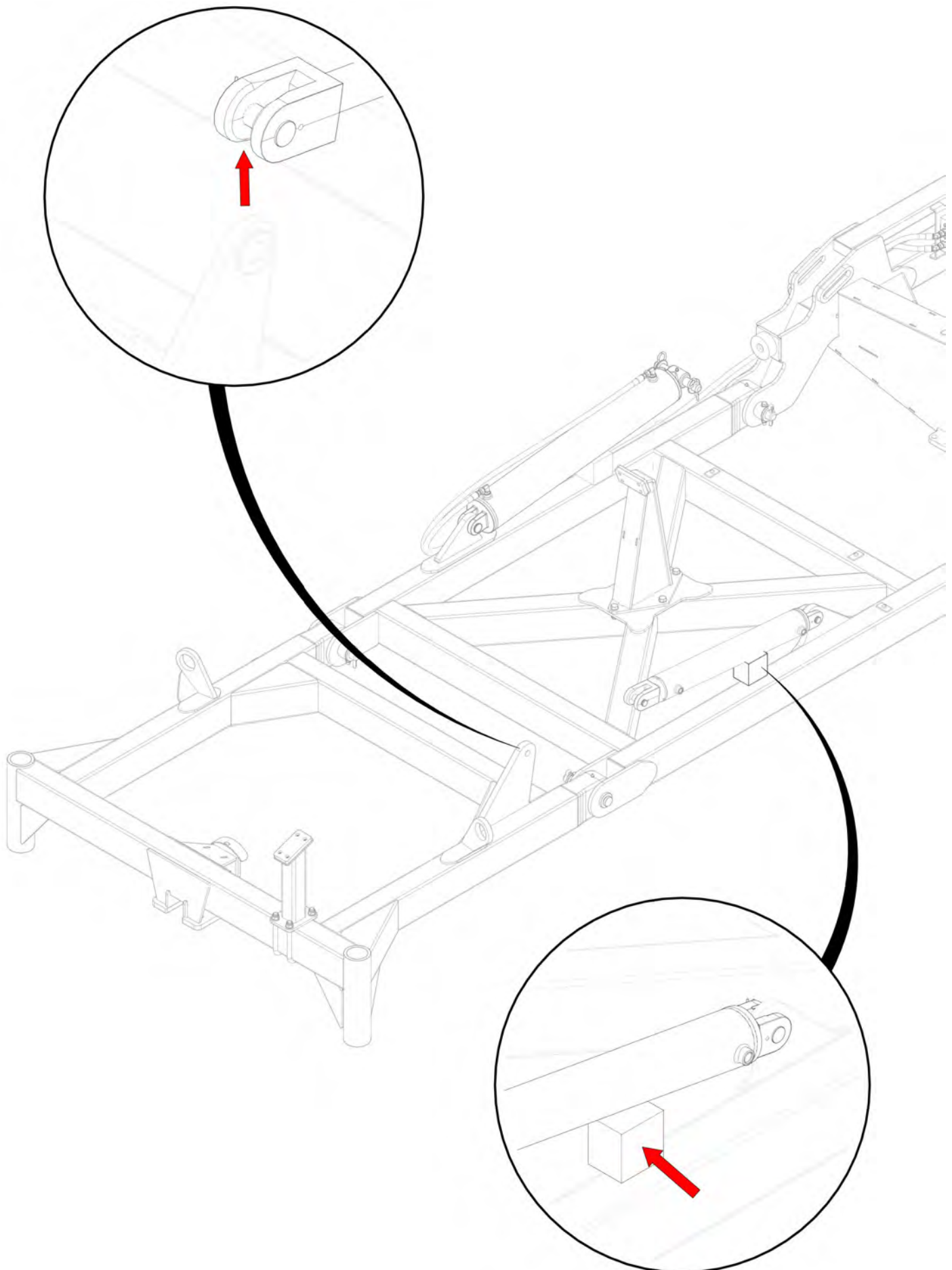


Item No.	Description	Qty	Number
1	LE Port to LH Outer Wing Cylinder Extend Port	1	H9-19
2	LR Port to LH Outer Wing Cylinder Retract Port	1	H9-20

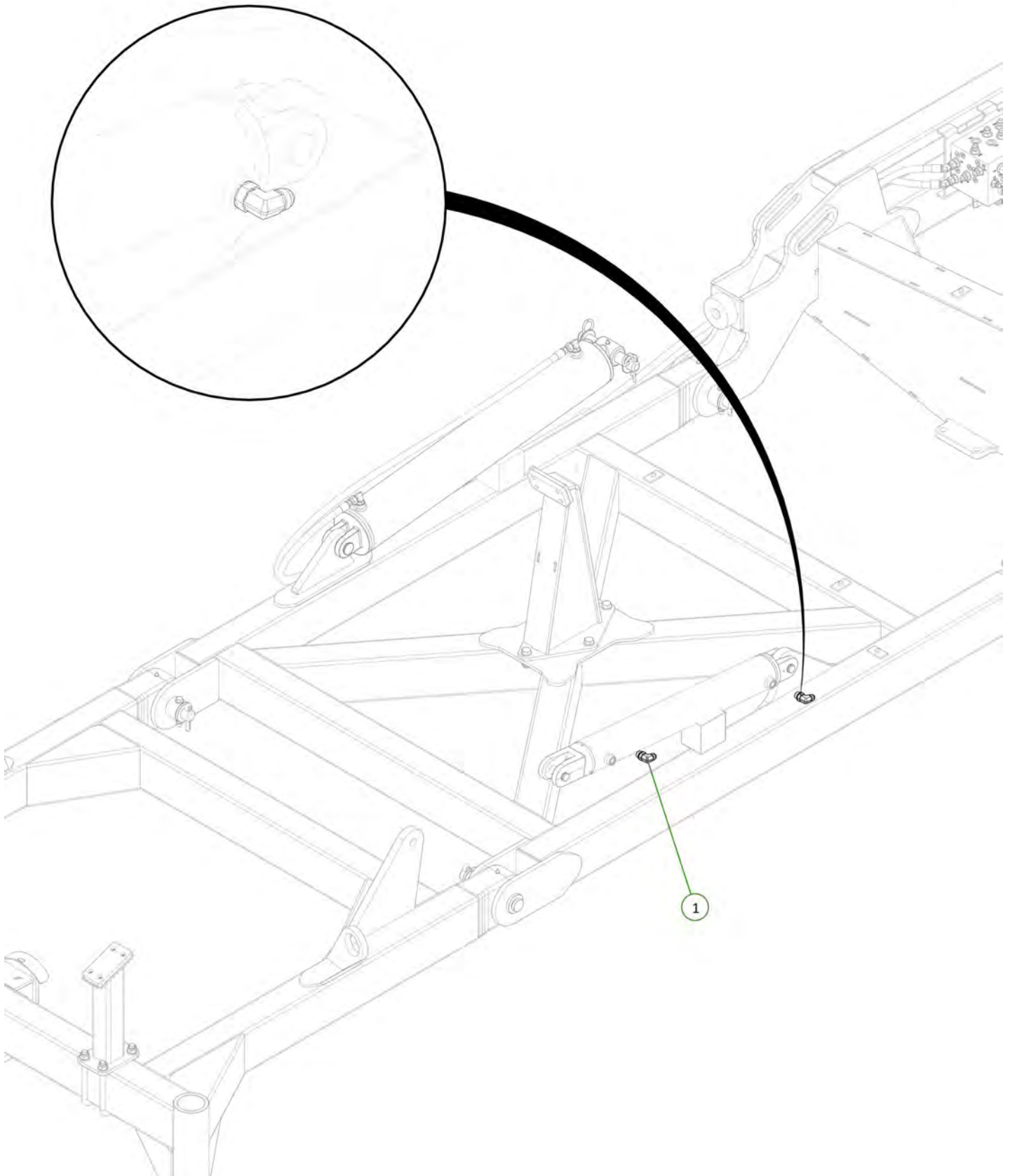


Item No.	Description	Qty	Number
1	3.5" Bore 24" Stroke 1.75" Rod Hydraulic Cylinder	1	0311-3524SP

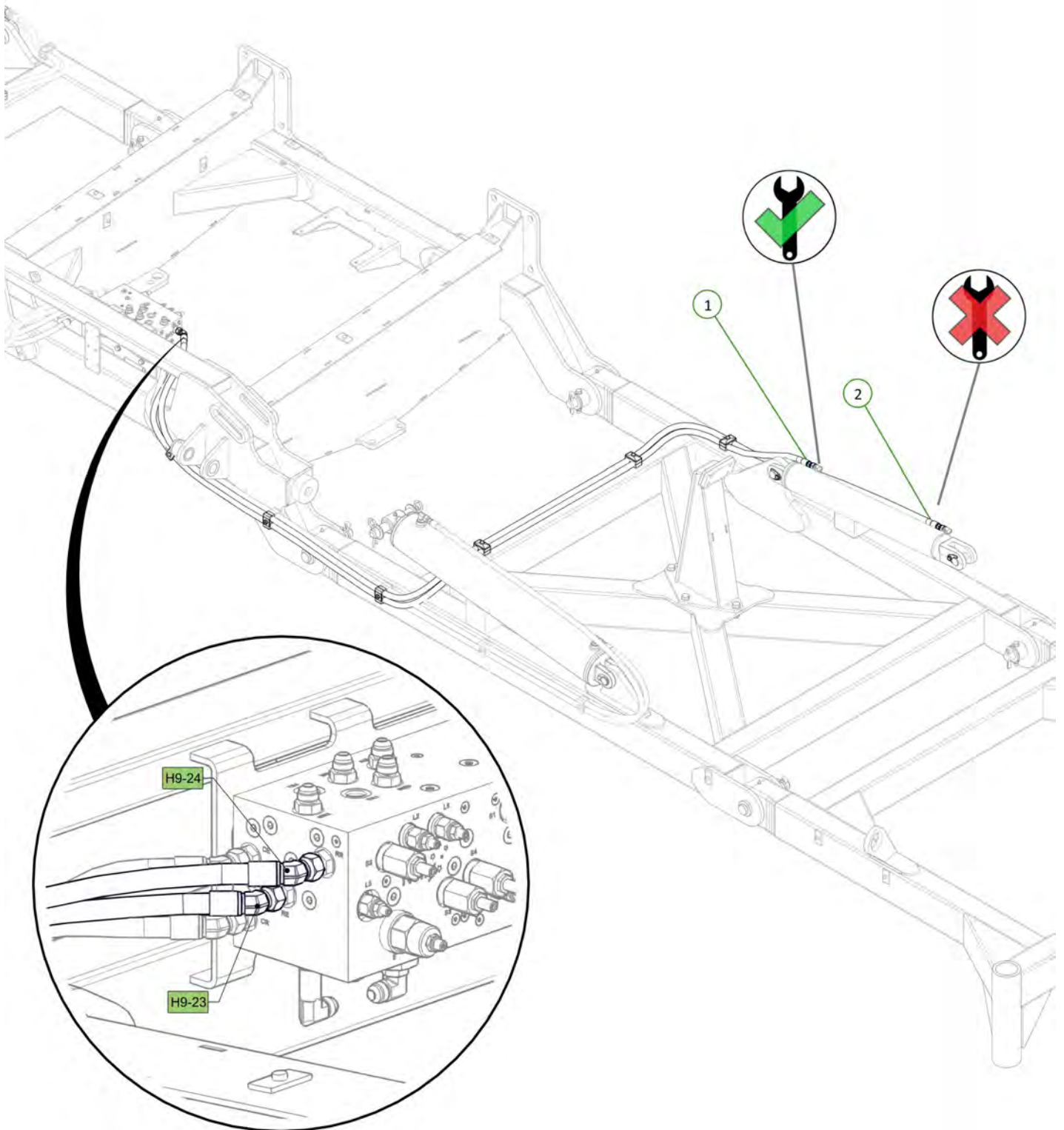




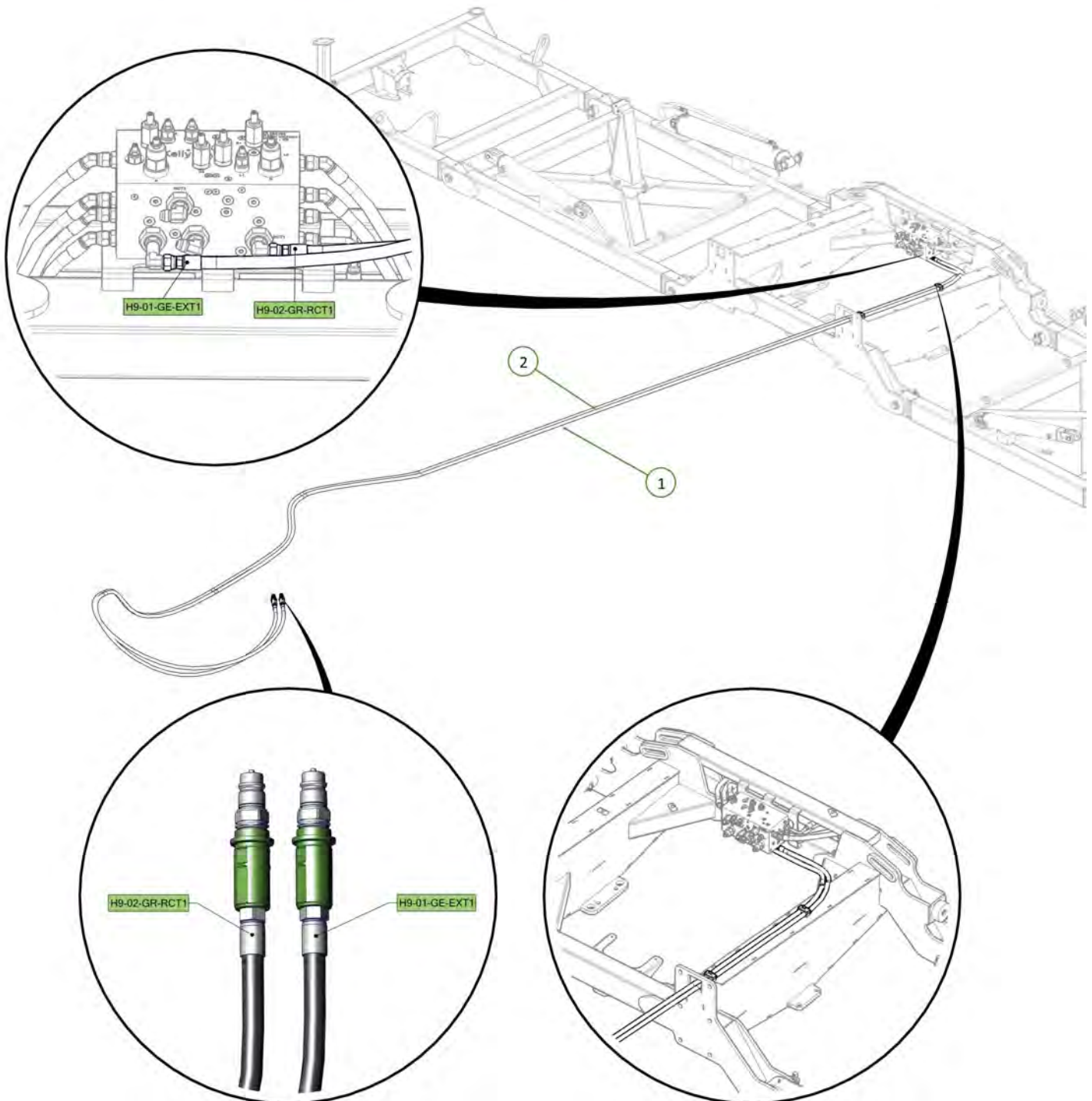
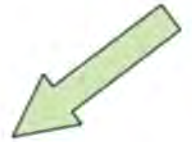
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212



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

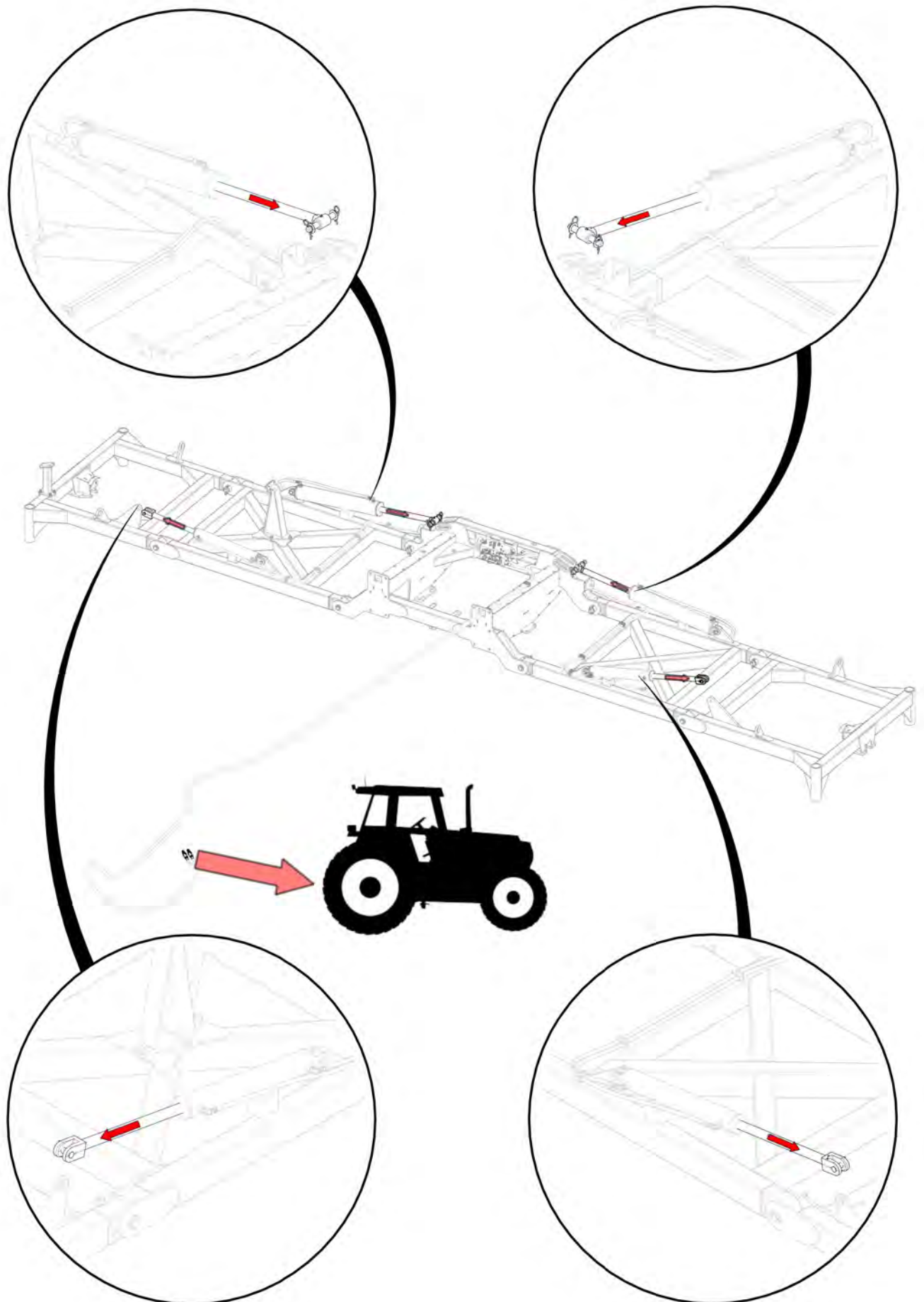


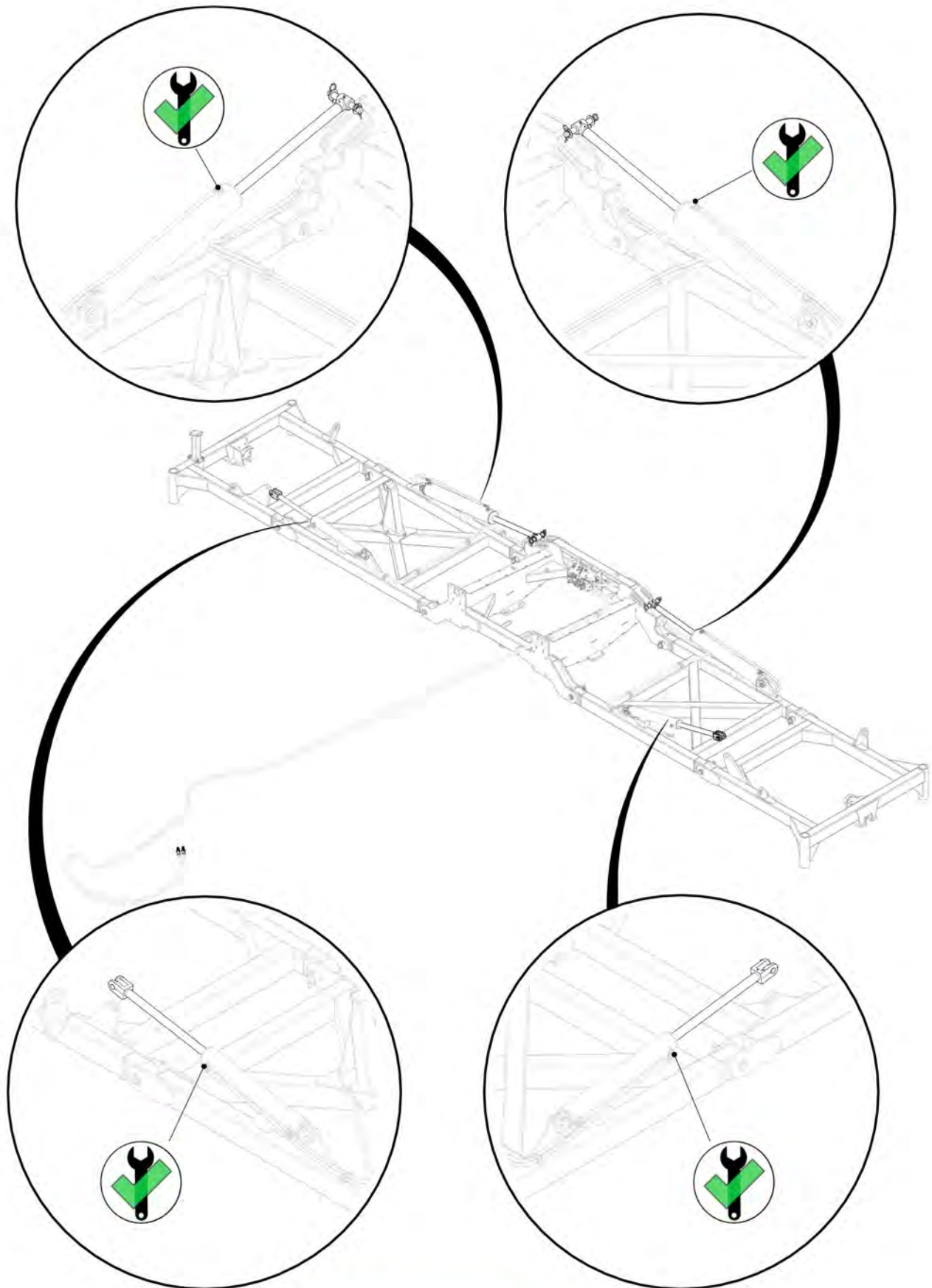
Item No.	Description	Qty	Number
1	Tractor to Sequence Valve EXT1 Port Fitted With Green EXT Decal	1	H9-01-GE-EXT1
2	Tractor to Sequence Valve RCT1 Port Fitted With Green RET Decal	1	H9-02-GR-RCT1



All retract hose fittings loose to allow air to escape

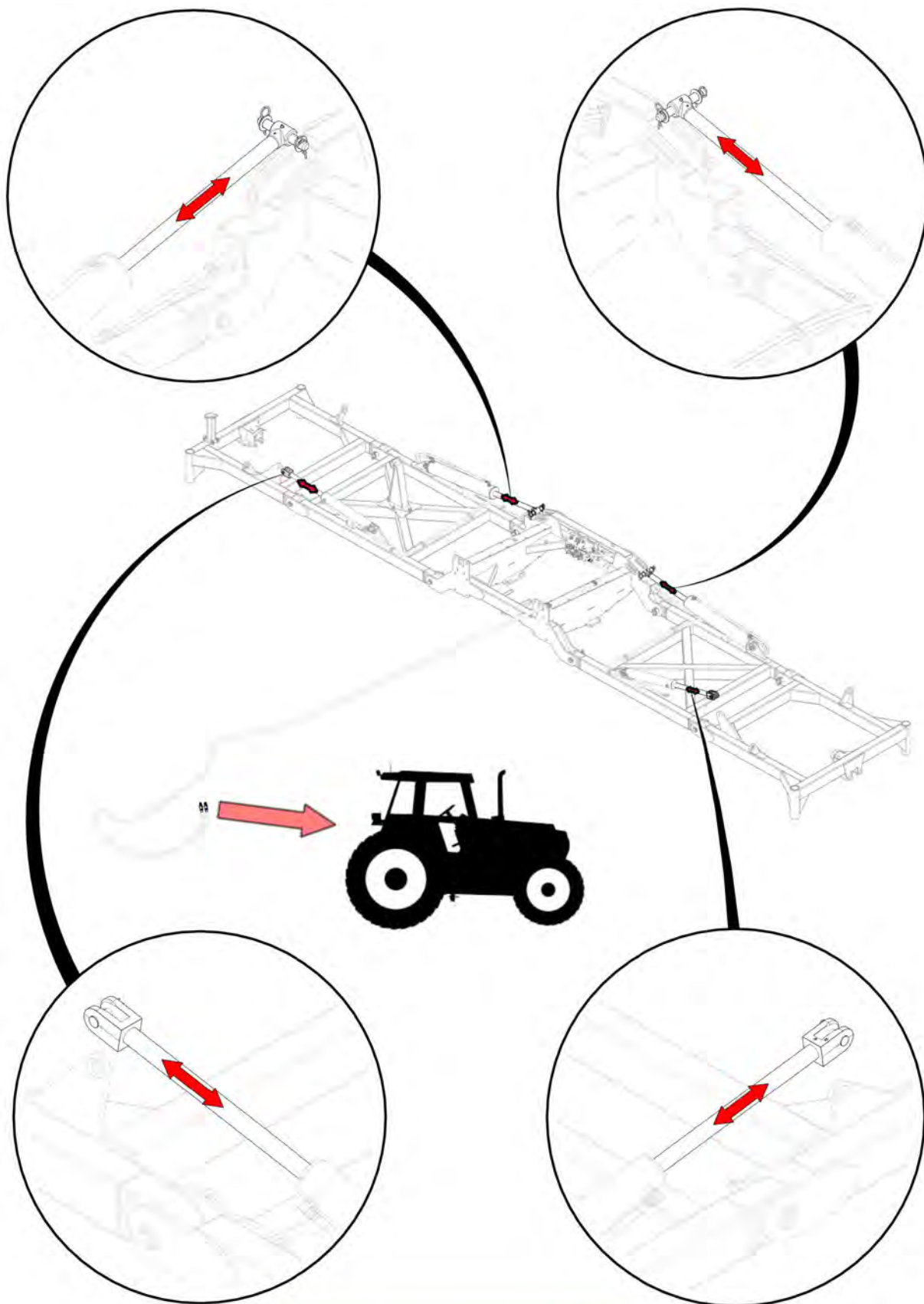
All cylinders chocked up to prevent clash during extend



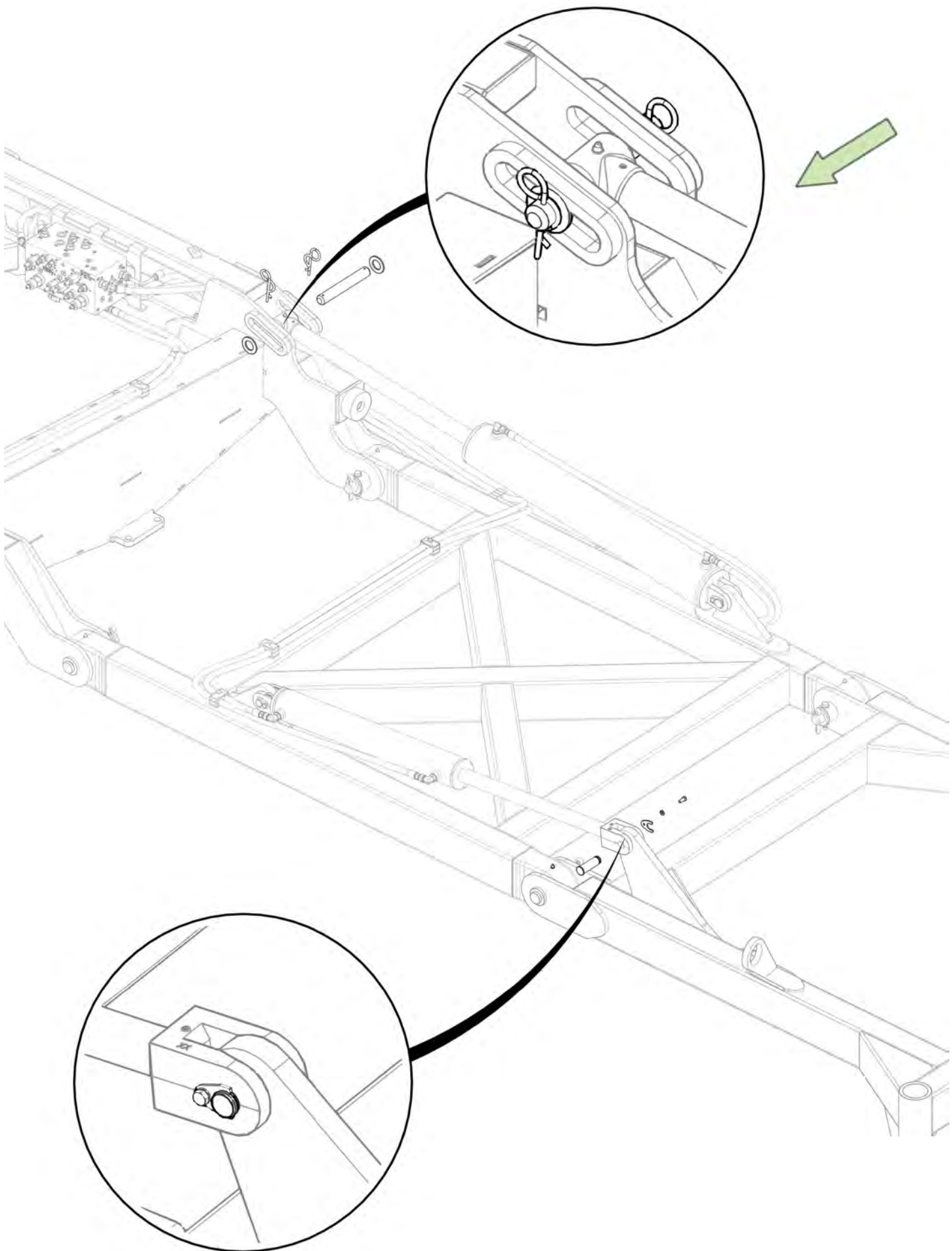


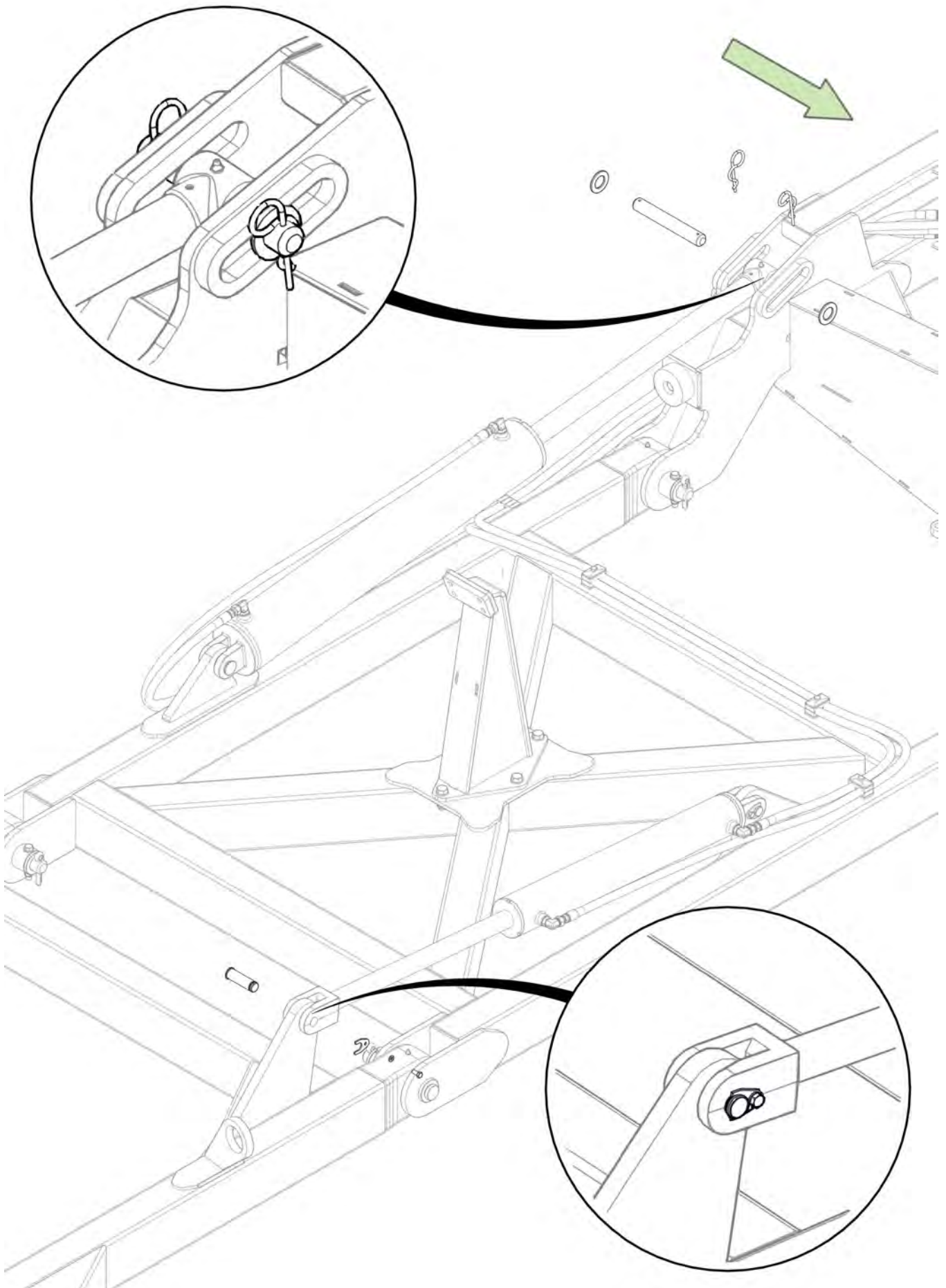
Retract fittings tightened



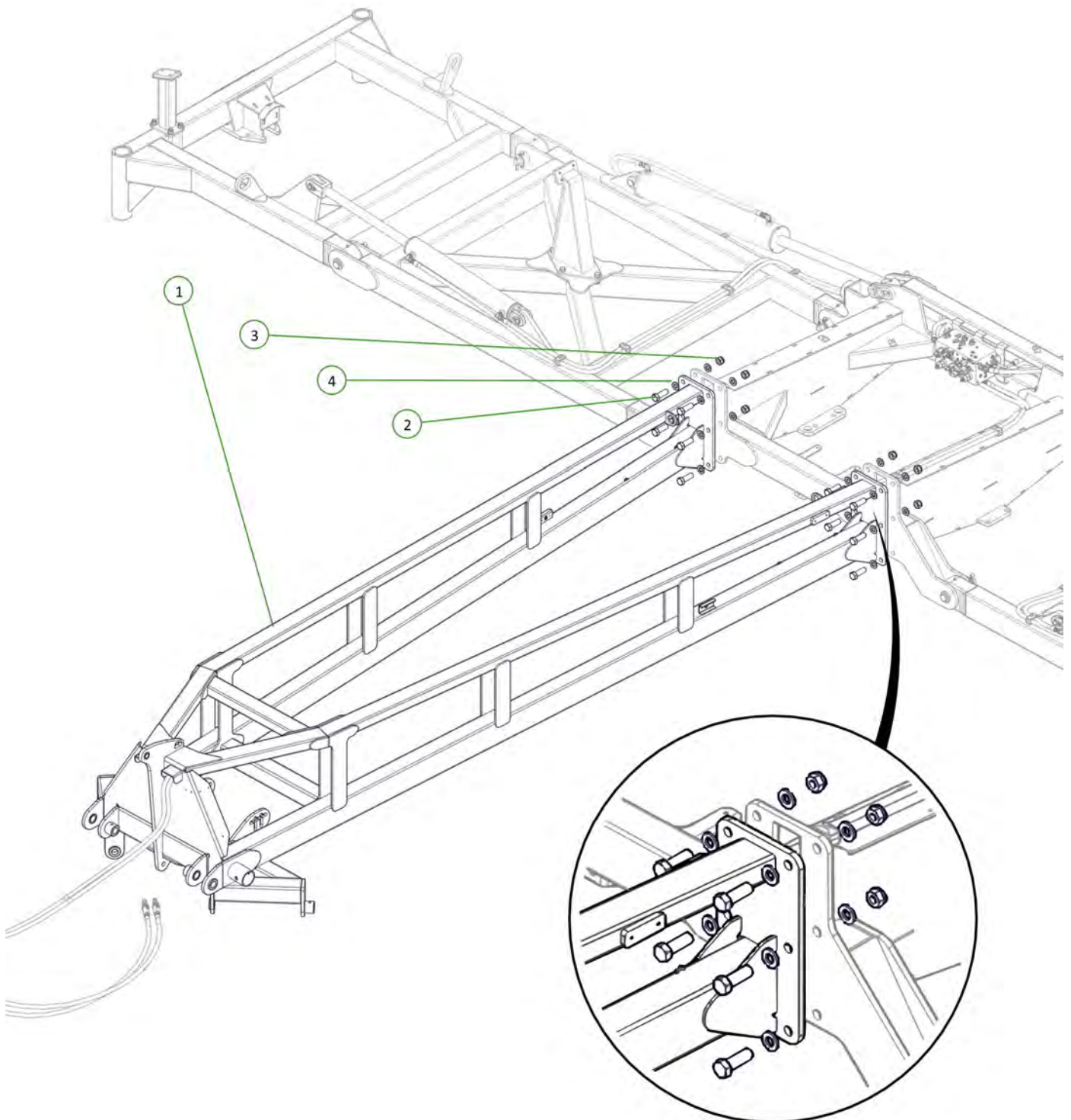


Cylinders cycled to expel air from system

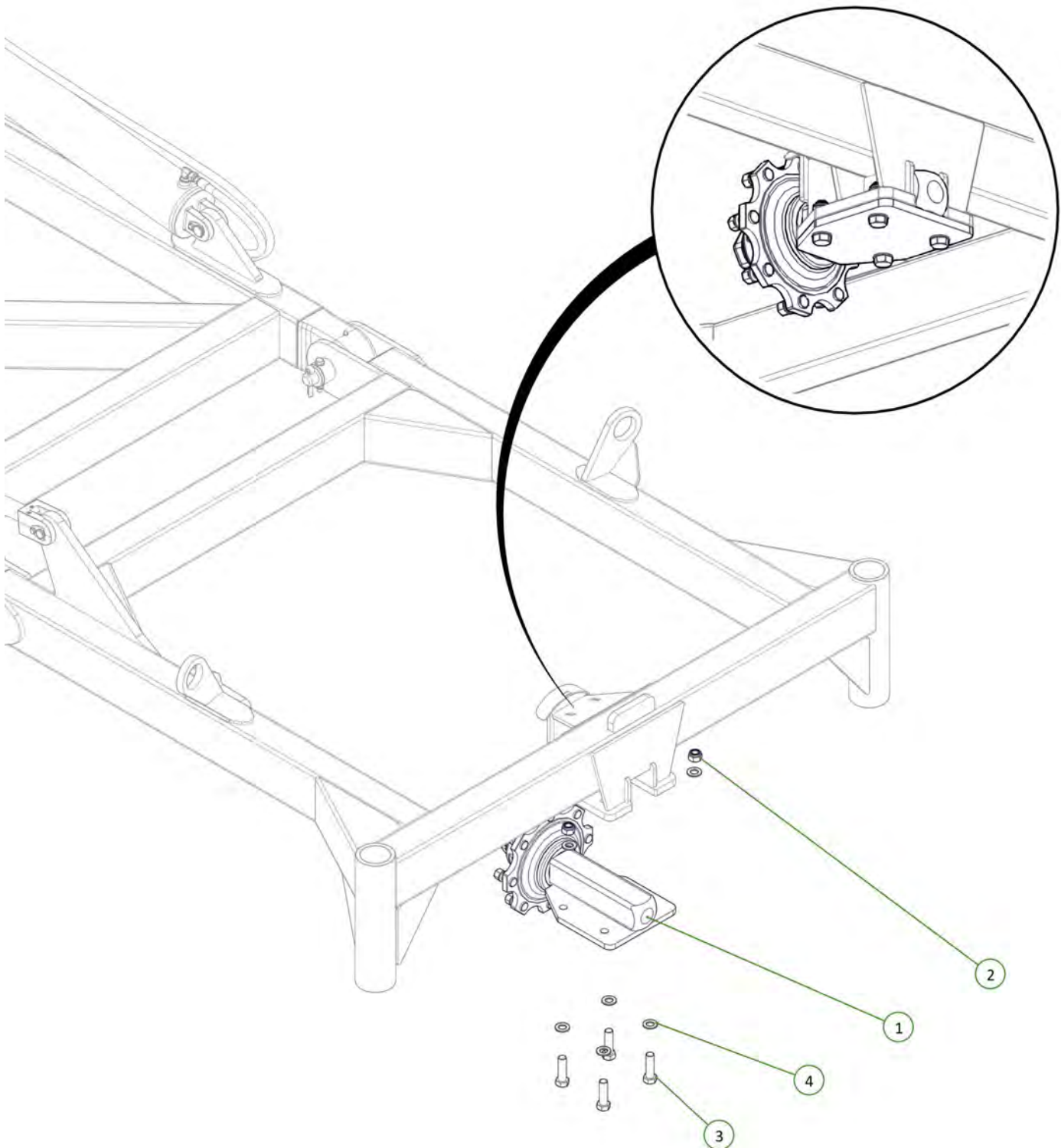




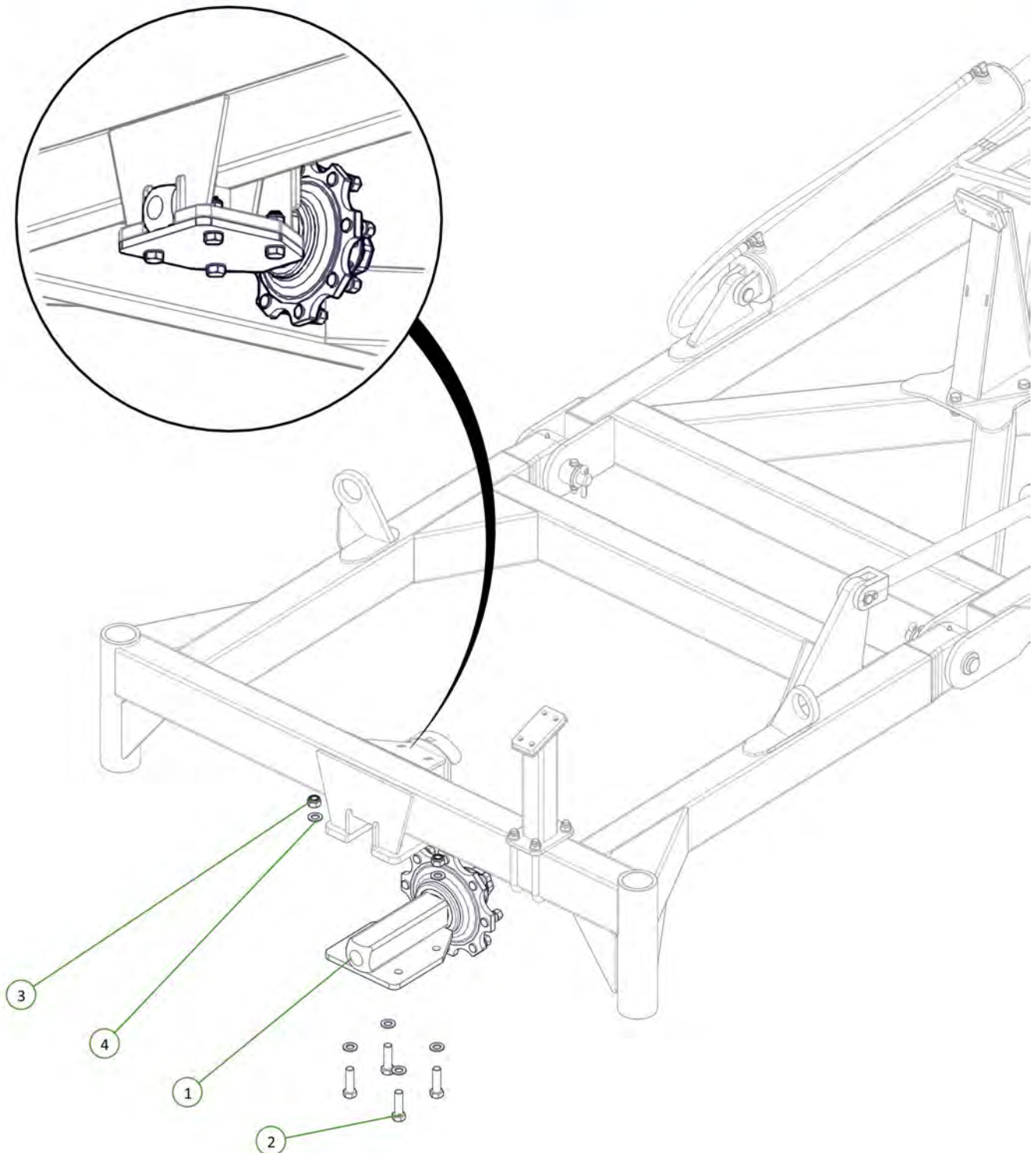
Item No.	Description	Qty	Number
1	9m Gen 2 Main Pull	1	1532-02E
2	M24 x 75 grade 8.8 zp Bolt	12	0211-2475
3	Nyloc Nut M24	12	0221-NYL24
4	Washer Flat M24	24	0231-F24



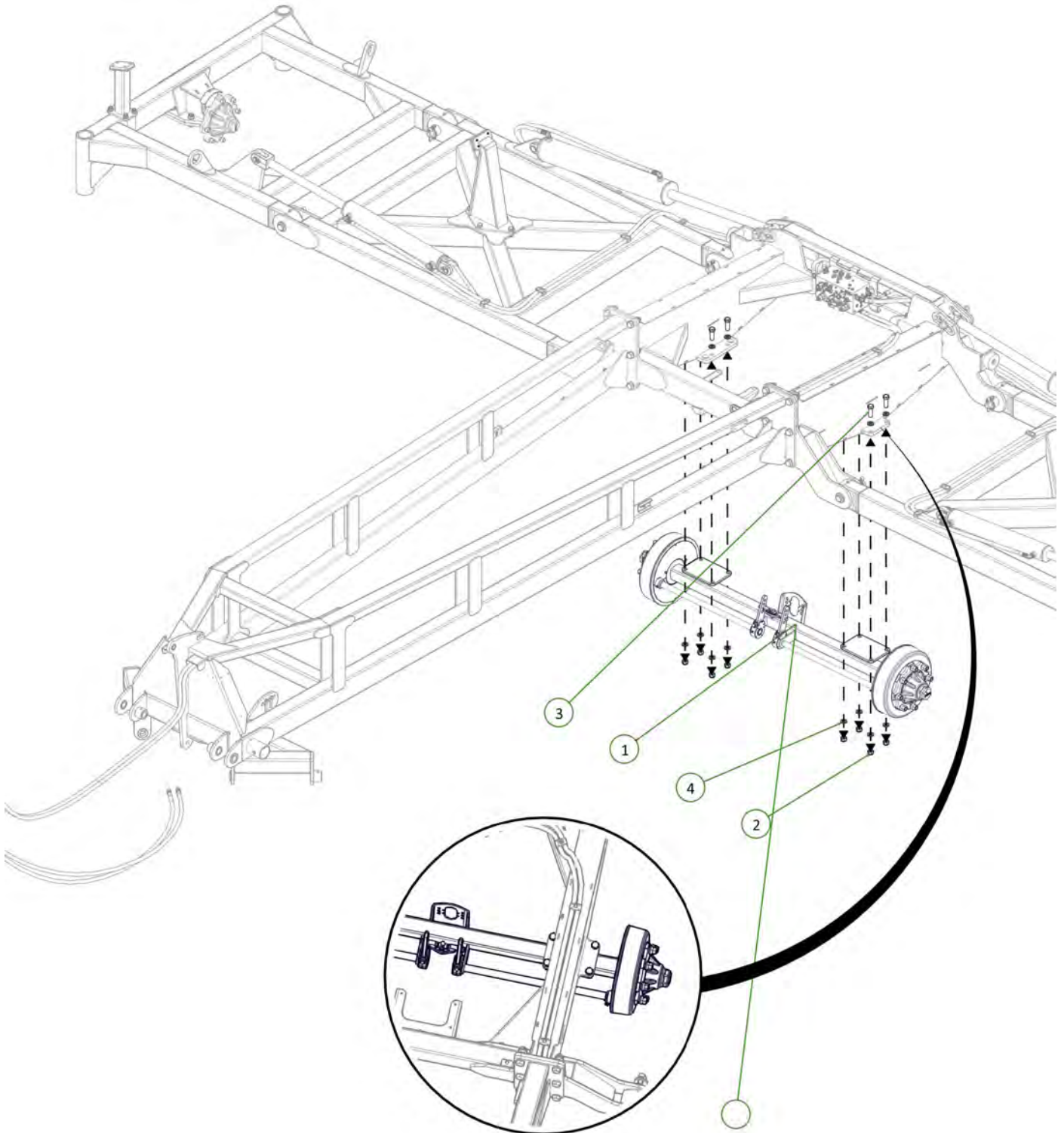
Item No.	Description	Qty	Number
1	Monroc 808X 80mm Square Stub Axle 315mm 8 on 275 PCD (Mounting Plate)	1	0733-808X-315
2	Nyloc Nut M20	4	0221-NYL20
3	M20 x 70 grade 8.8 ZP Bolt	4	0211-2070
4	Washer Flat M20	8	0231-F20



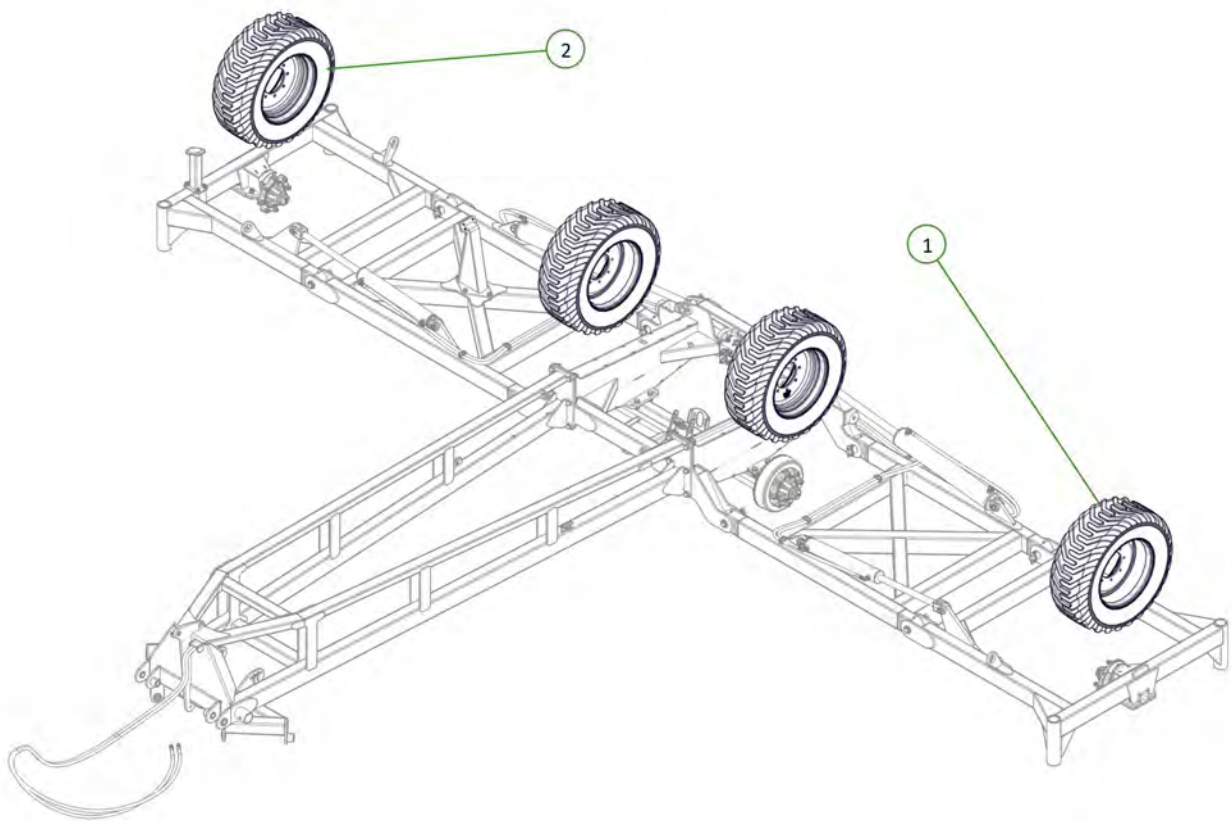
Item No.	Description	Qty	Number
1	Monroc 808X 80mm Square Stub Axle 315mm 8 on 275 PCD (Mounting Plate)	1	0733-808X-315
2	M20 x 70 grade 8.8 ZP Bolt	4	0211-2070
3	Nyloc Nut M20	4	0221-NYL20
4	Washer Flat M20	8	0231-F20



Item No.	Description	Qty	Number
1	808 XF 8 on 275 PCD 2006 OHF	1	0733-808XF400X80E-V2006-MP
2	Nyloc Nut M20	8	0221-NYL20
3	M20 x 65 grade 8.8 ZP Bolt	8	0211-2065
4	Washer Flat M20	16	0231-F20

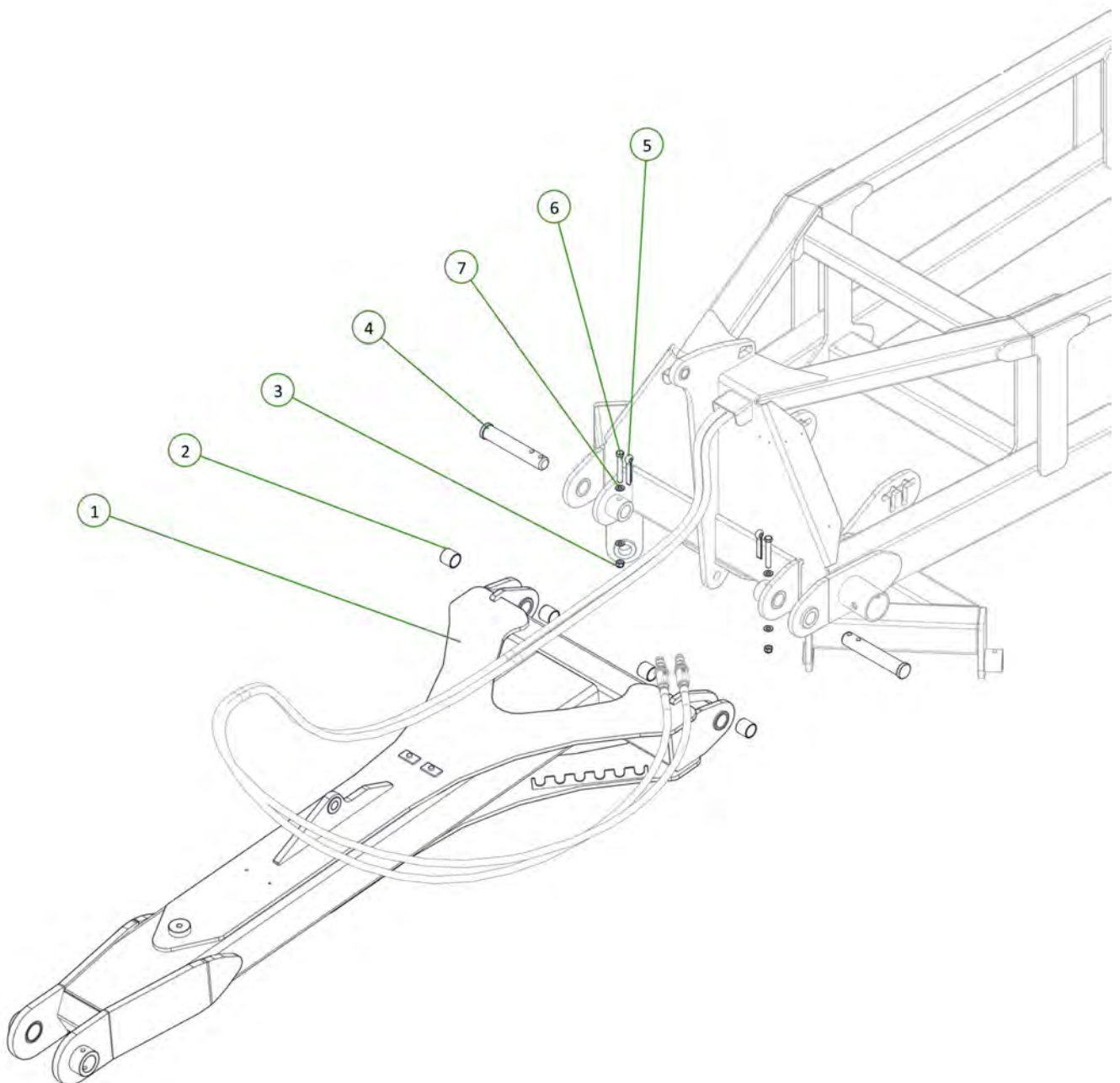


Item No.	Description	Qty	Number
1	400/55-22.5 Tyre on 8 on 275mm PCD Zero Offset Rim (Left Hand)	2	0751-400-55-22.5-8-275-0-L
2	400/55-22.5 Tyre on 8 on 275mm PCD Zero Offset Rim (Right Hand)	2	0751-400-55-22.5-8-275-0-R

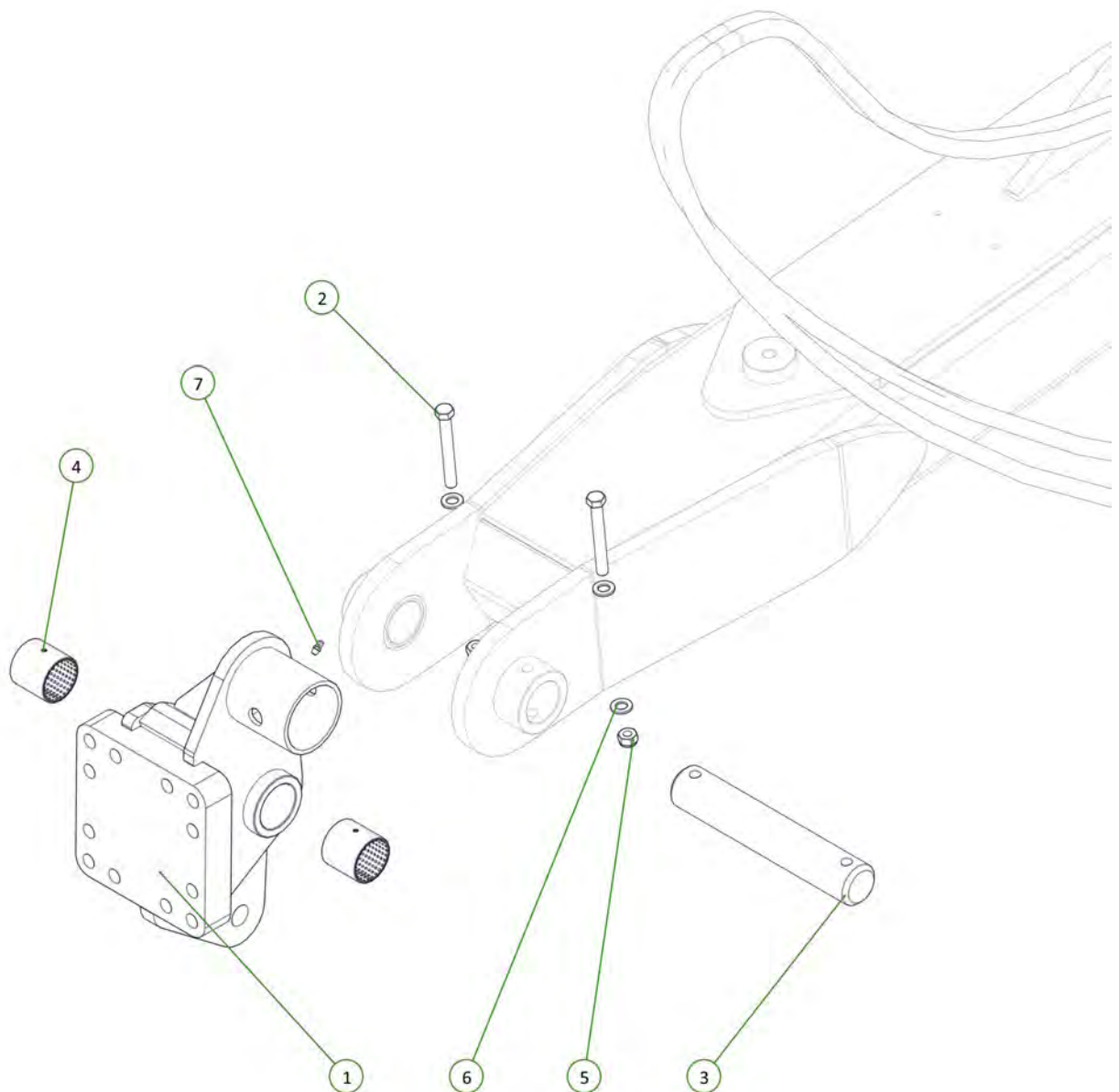


All wheel nuts tightened to 305Nm

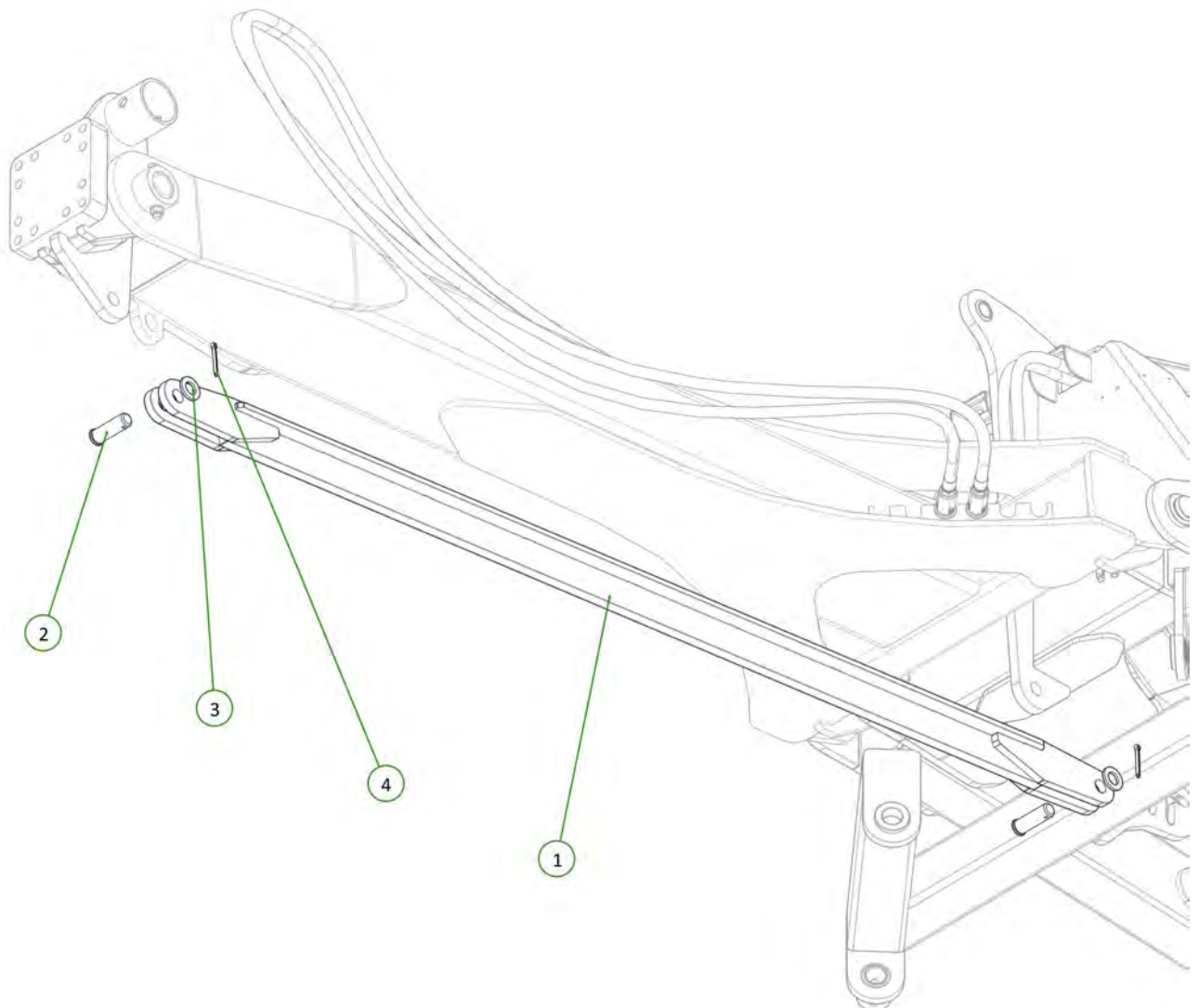
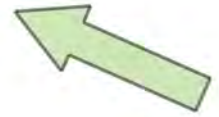
Item No.	Description	Qty	Number
1	Drawbar - 50mm Hitch Pin Europe	1	0810-65E
2	Drawbar Pivot Bush	4	0801-B423838
3	Nyloc Nut M12	2	0221-NYL12
4	Walking Axle Linkage Pivot Pin	2	1601-P38-220
5	Cotter Pin M13 x 63	2	0261-PINC1363
6	M12 x 80 grade 8.8 ZP Bolt	2	0211-1280
7	Washer Flat M12	4	0231-F12



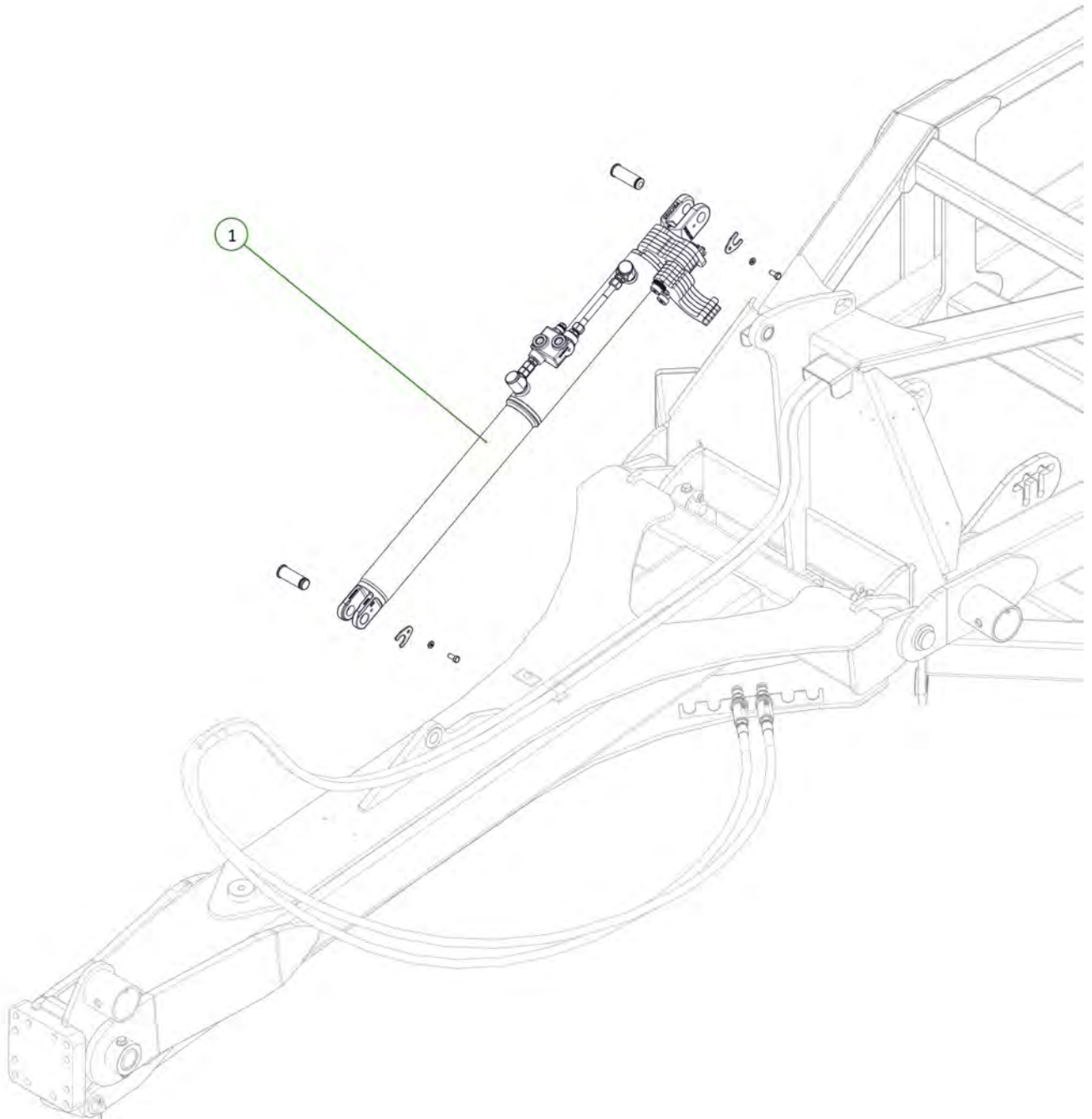
Item No.	Description	Qty	Number
1	Flange Mount Tow Hitch	1	1510-09-3
2	M12 x 100 grade 8.8 ZP Bolt	2	0211-12100
3	50mm Tow Hitch Pin	1	0801-008
4	50 ID x 50mm DX Bush	2	0113-MB5050DX
5	Nyloc Nut M12	2	0221-NYL12
6	Washer Flat M12	4	0231-F12
7	Grease Nipple M6	1	0181-GNM6



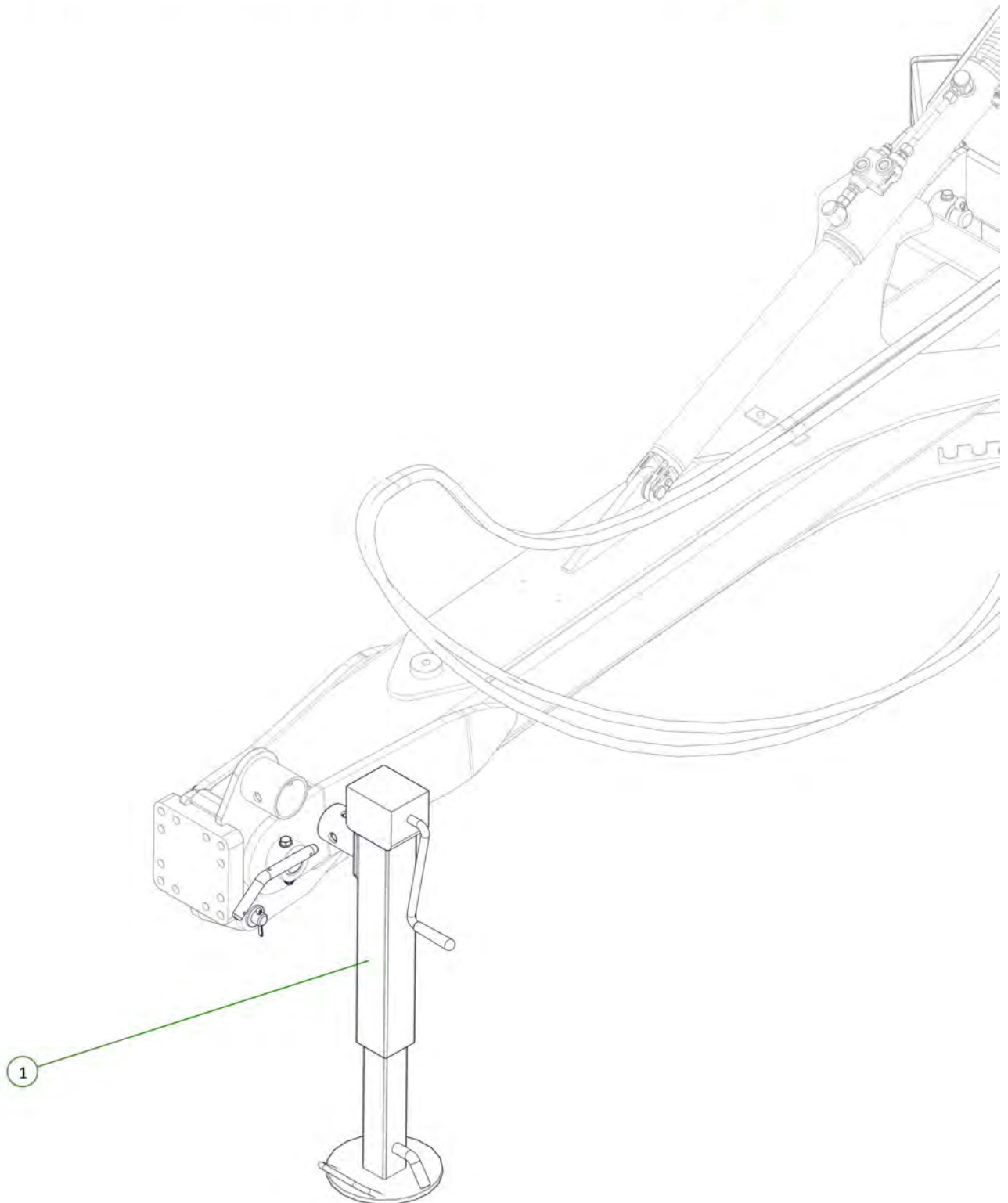
Item No.	Description	Qty	Number
1	Parallel Arm	1	0810-58E
2	Clevis Pin 25mm x 75mm	2	0801-KE0307-1
3	Washer Flat M24	2	0231-F24
4	Cotter Pin M6 x 50mm	2	0261-PINC650



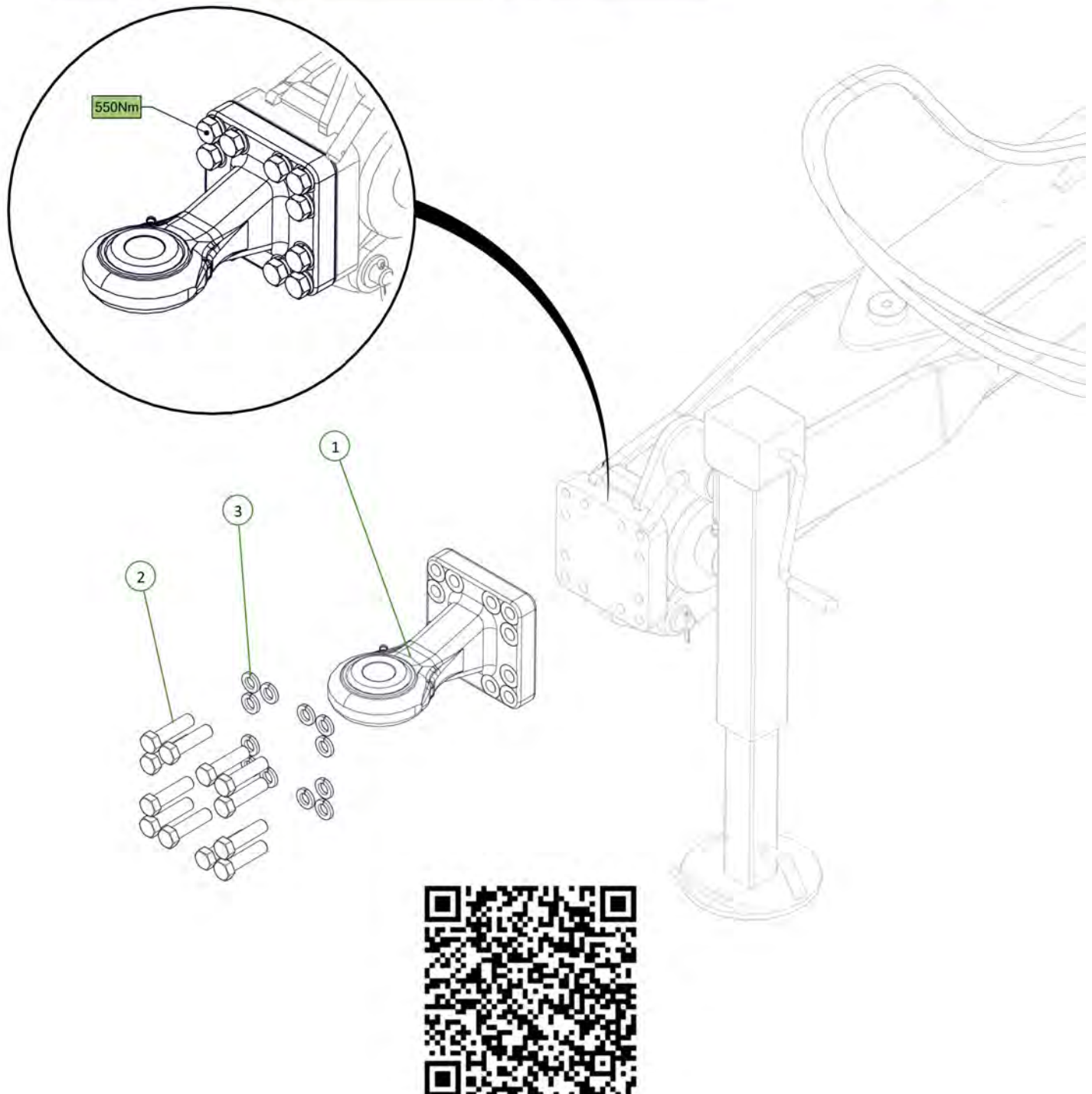
Item No.	Description	Qty	Number
1	3" Bore x 12" Stroke 1.5" Rod Extended Hydraulic Cylinder	1	0311-312EXT



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




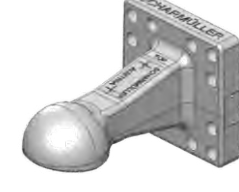




Item No.	Description	Qty	Number
1	Ball Joint Towing Eye, with flange CAT 4 Scharmüller	1	0801-00.665.17.1-A02
2	M20 x 80 Class 10.9 ZP Bolt	12	0211-2080HT
3	Washer Spring M20	12	0231-S20



All hitch options are fitted with the same process.

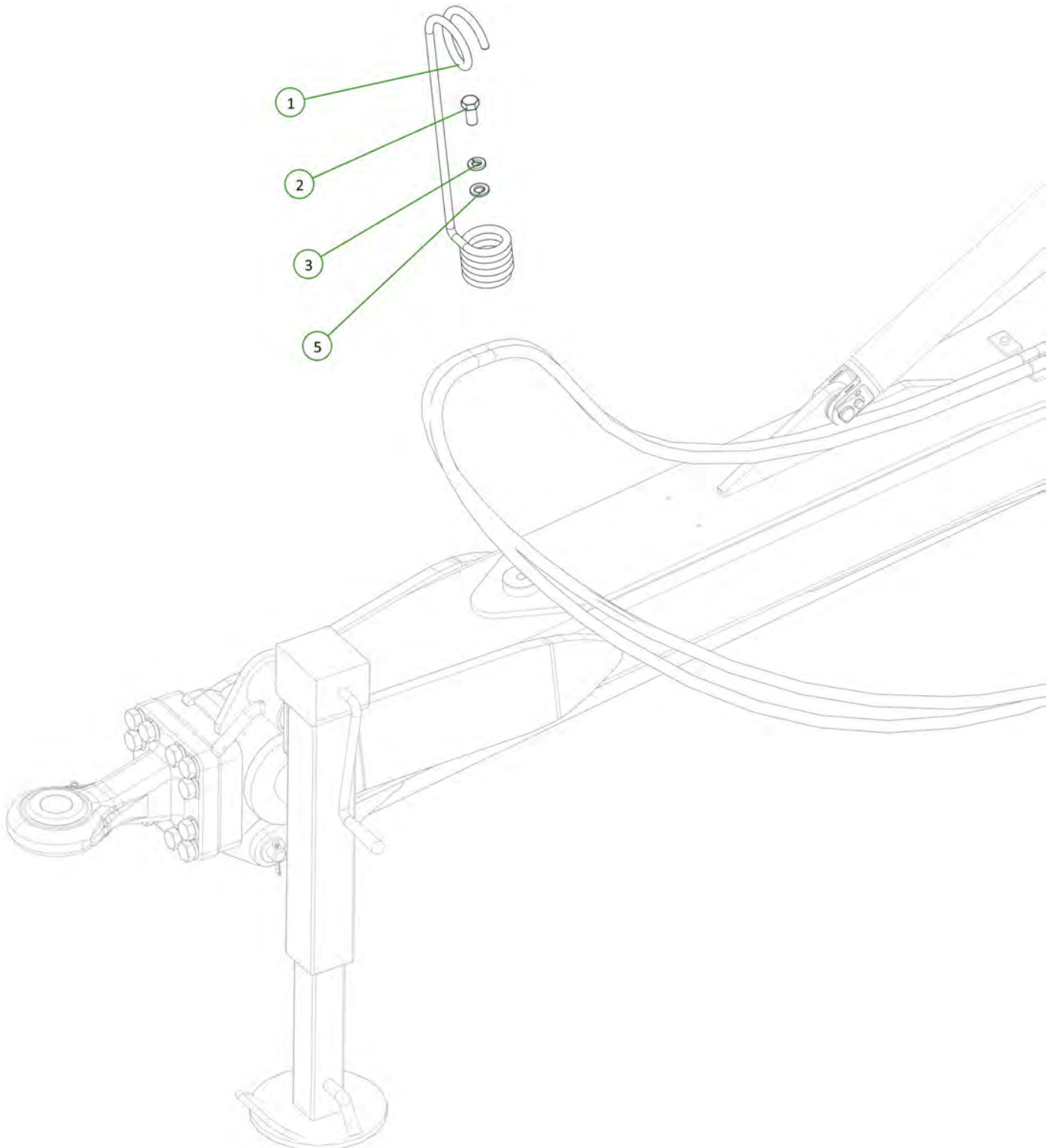
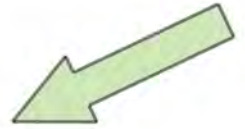
Hitch is fastened as per manufacturer specifications

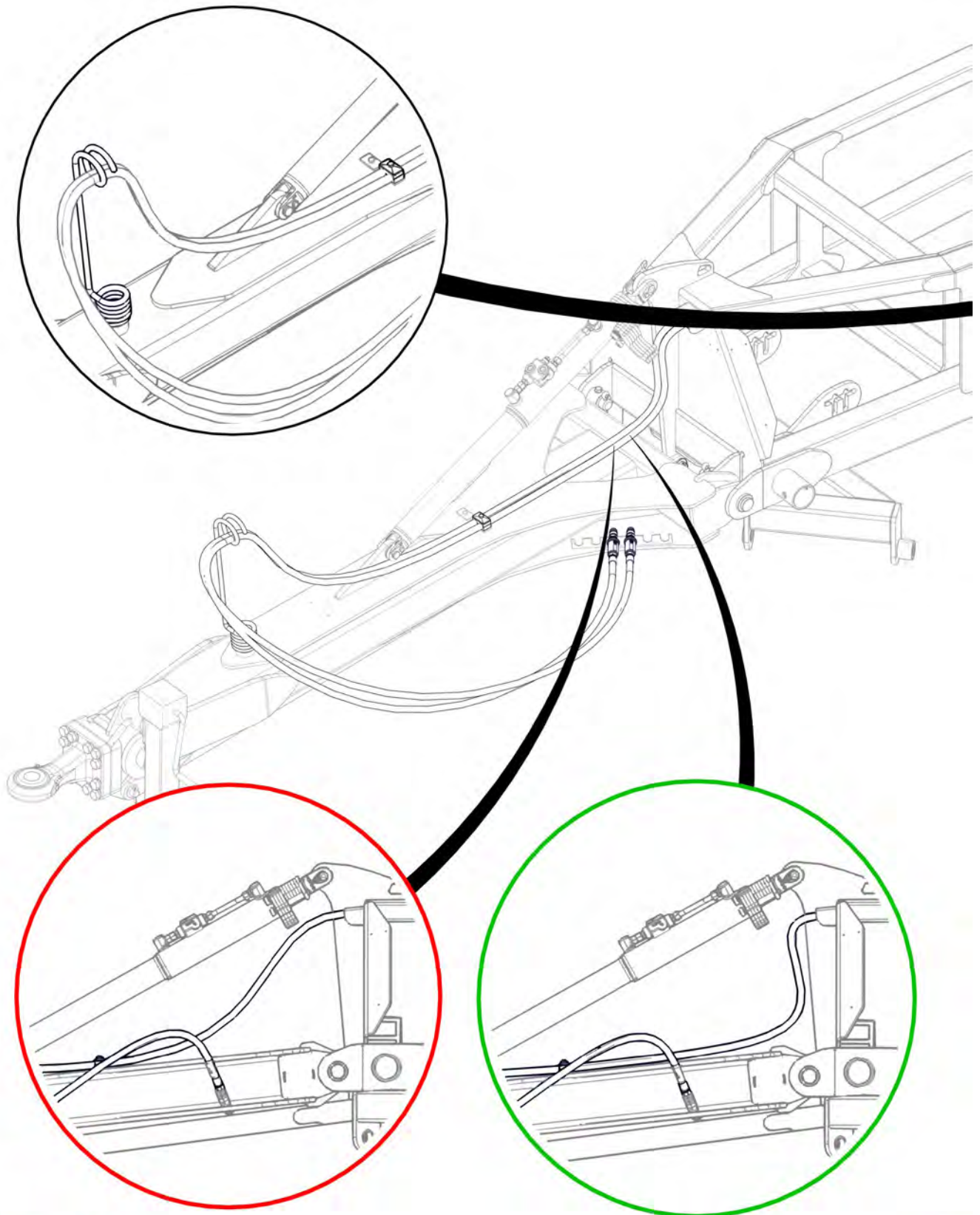
0801-00.665.15.0-A02 Ball Joint Towing Eye, with flange CAT 2 Scharmüller	Flange Hole Pattern (mm): 160x160 Connection: Ball Joint Towing Eye Cat. 2 DØ33mm Thread: M20 Hole Pattern Holes: 12 Working Length (mm): 250 Max. Permissible D-Value (kN): 120 Max. Permissible Vertical Load (kg): 3000	
0801-00.665.16.0-A02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



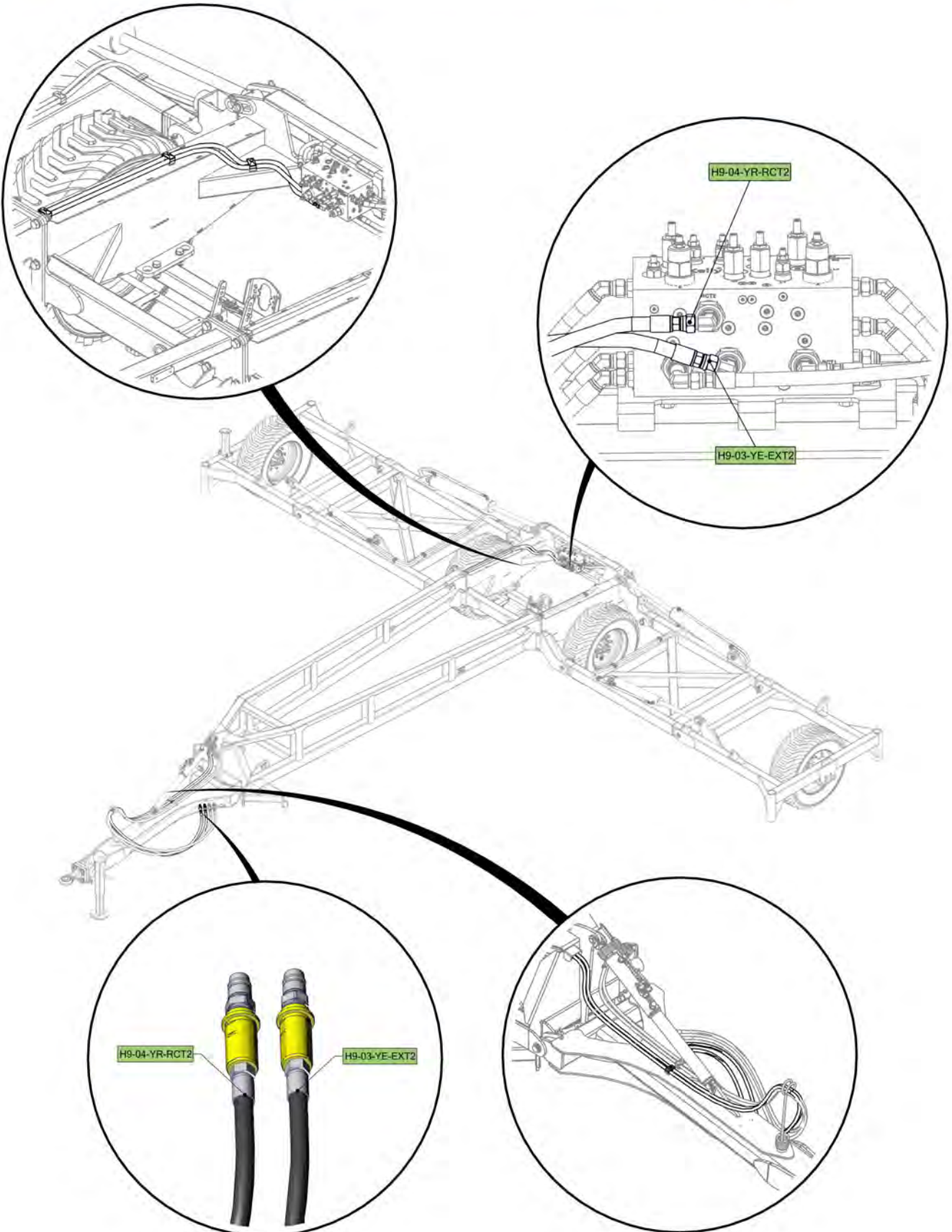
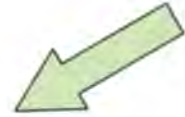
All hitch options are fitted with the same process.

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 Spring M16	1	0231-S16
5	Washer Flat M16	1	0231-F16

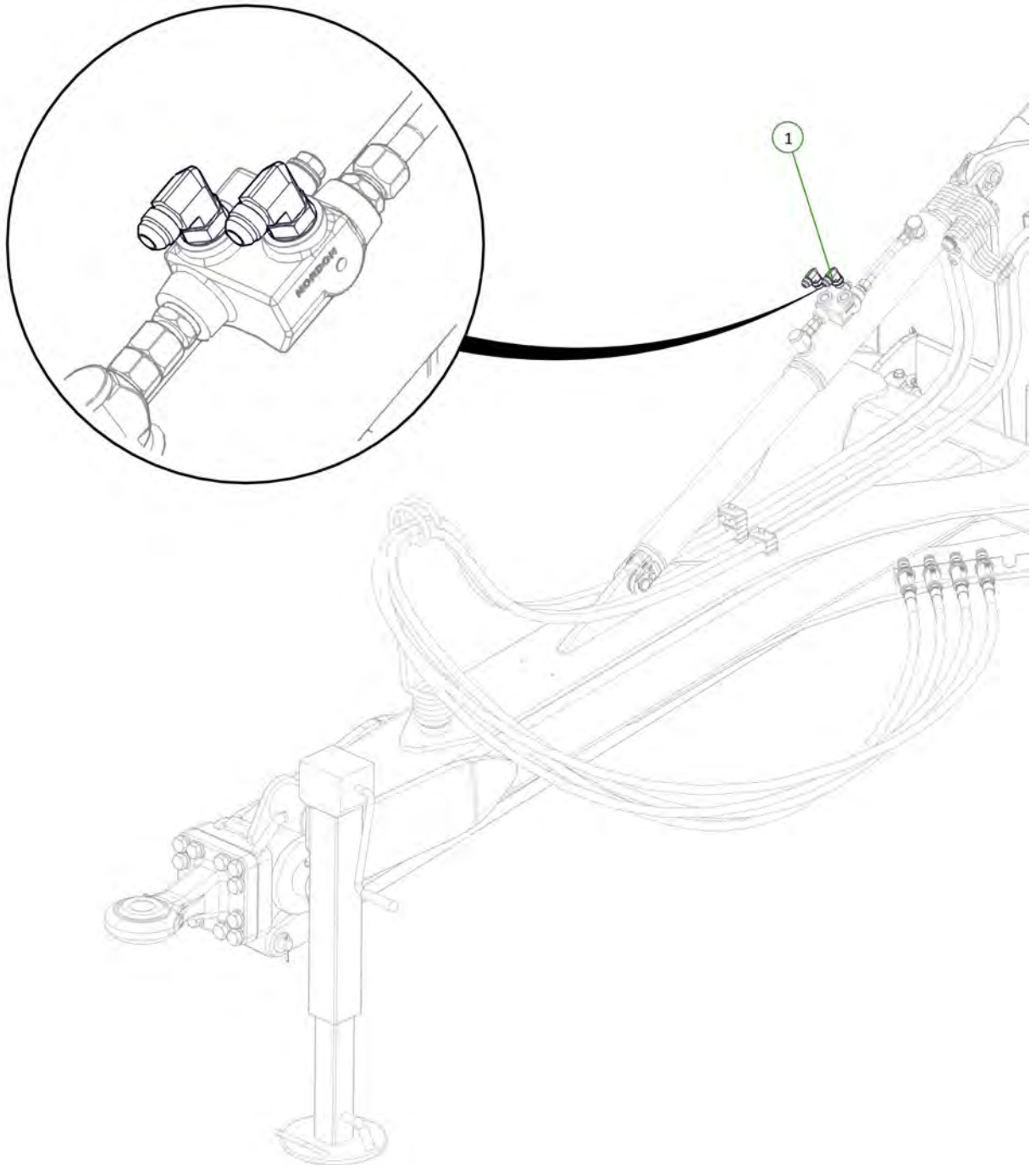




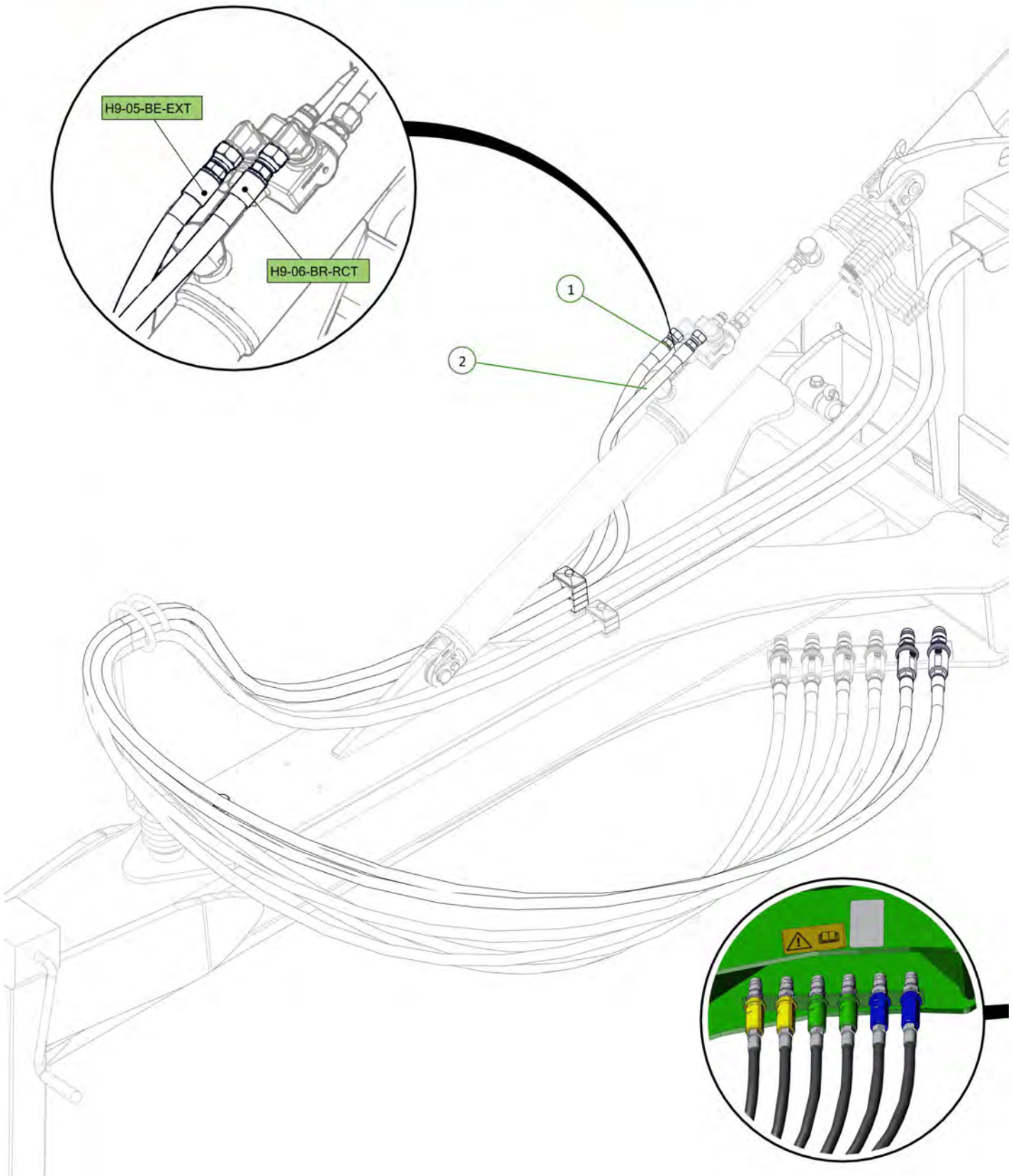
Item No.	Description	Qty	Number
1	Tractor to Sequence Valve EXT2 Port Fitted With Yellow EXT Decal	1	H9-03-YE-EXT2
2	Tractor to Sequence Valve RTC2 Port Fitted With Yellow RTC Decal	1	H9-04-YR-RCT2



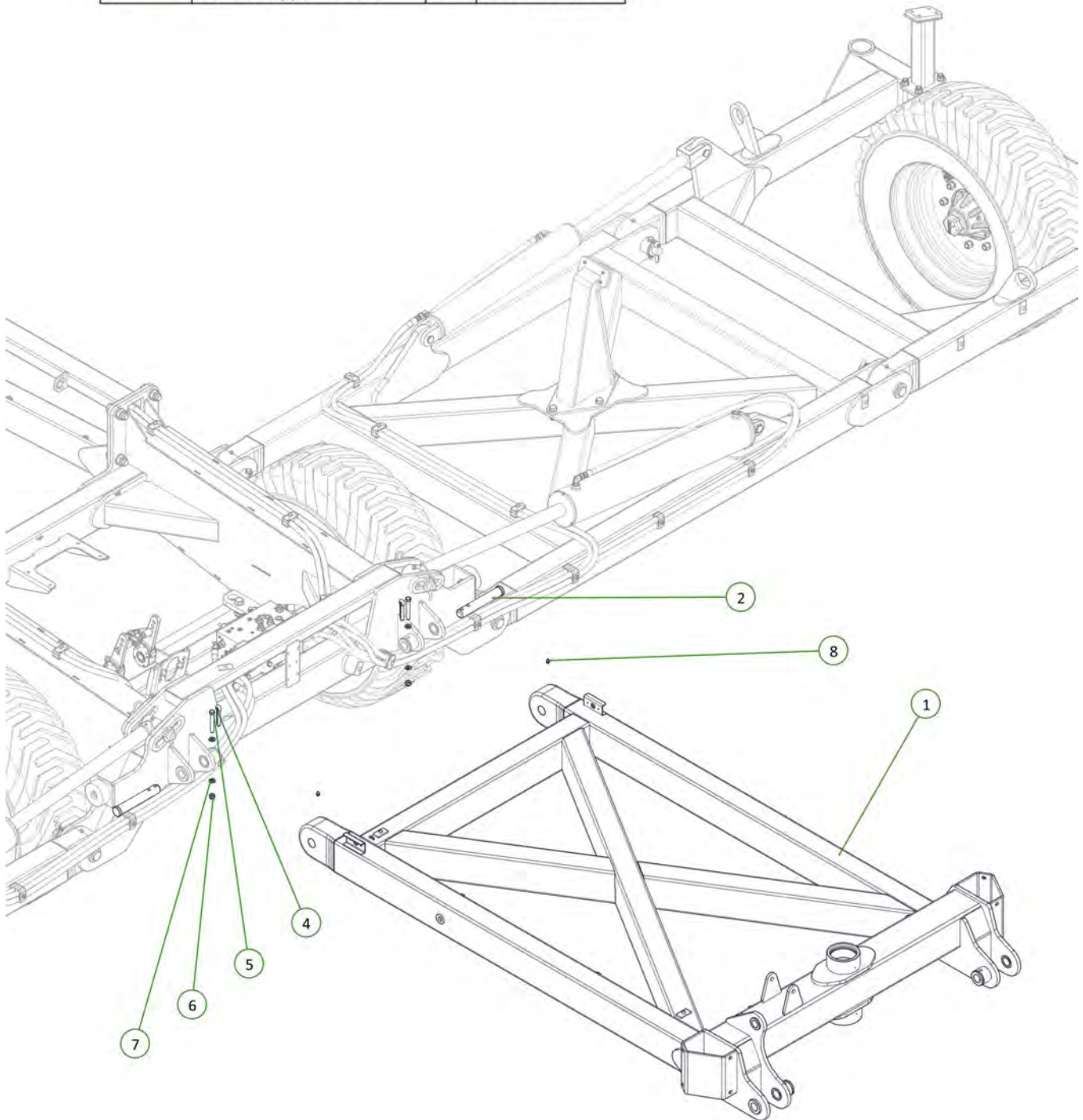
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212

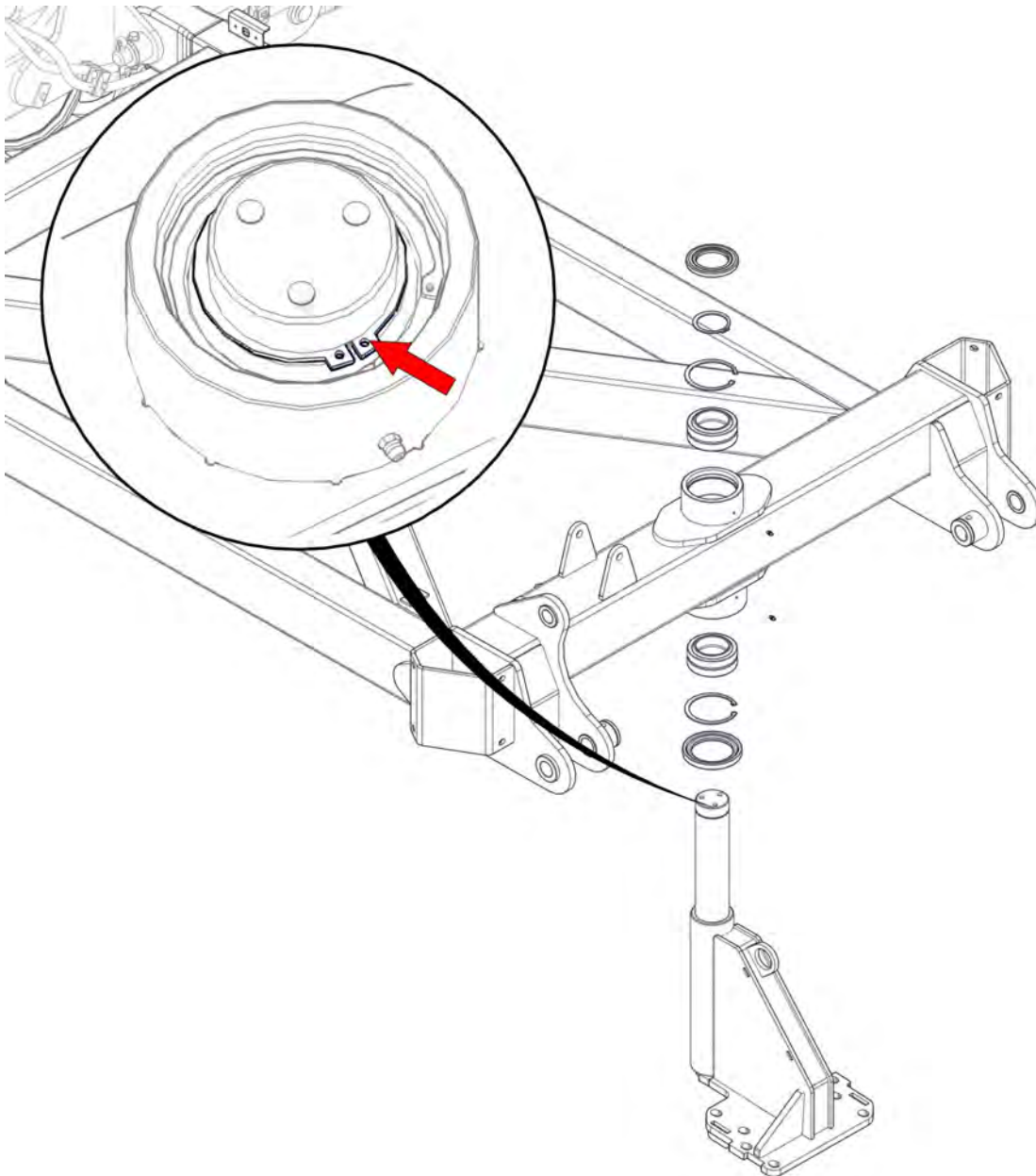


Item No.	Description	Qty	Number
1	Tractor to Front Lift Cylinder Extend Port Fitted With Blue EXT Grip	1	H9-05-BE-EXT
2	Tractor to Front Lift Cylinder Extend Port Fitted With Blue RTC Grip	1	H9-06-BR-RCT



Item No.	Description	Qty	Number
1	9m Gen 2 Rear A-Frame	1	1532-03E
2	PCH Wing Pivot Pin	2	0801-10-08-235
4	Cotter Pin M13 x 63	2	0261-PINC1363
5	M12 x 80 grade 8.8 ZP Bolt	2	0211-1280
6	Nyloc Nut M12	2	0221-NYL12
7	Washer Flat M12	4	0231-F12
8	Grease Nipple 1/8" BSP	2	0181-GN1-8

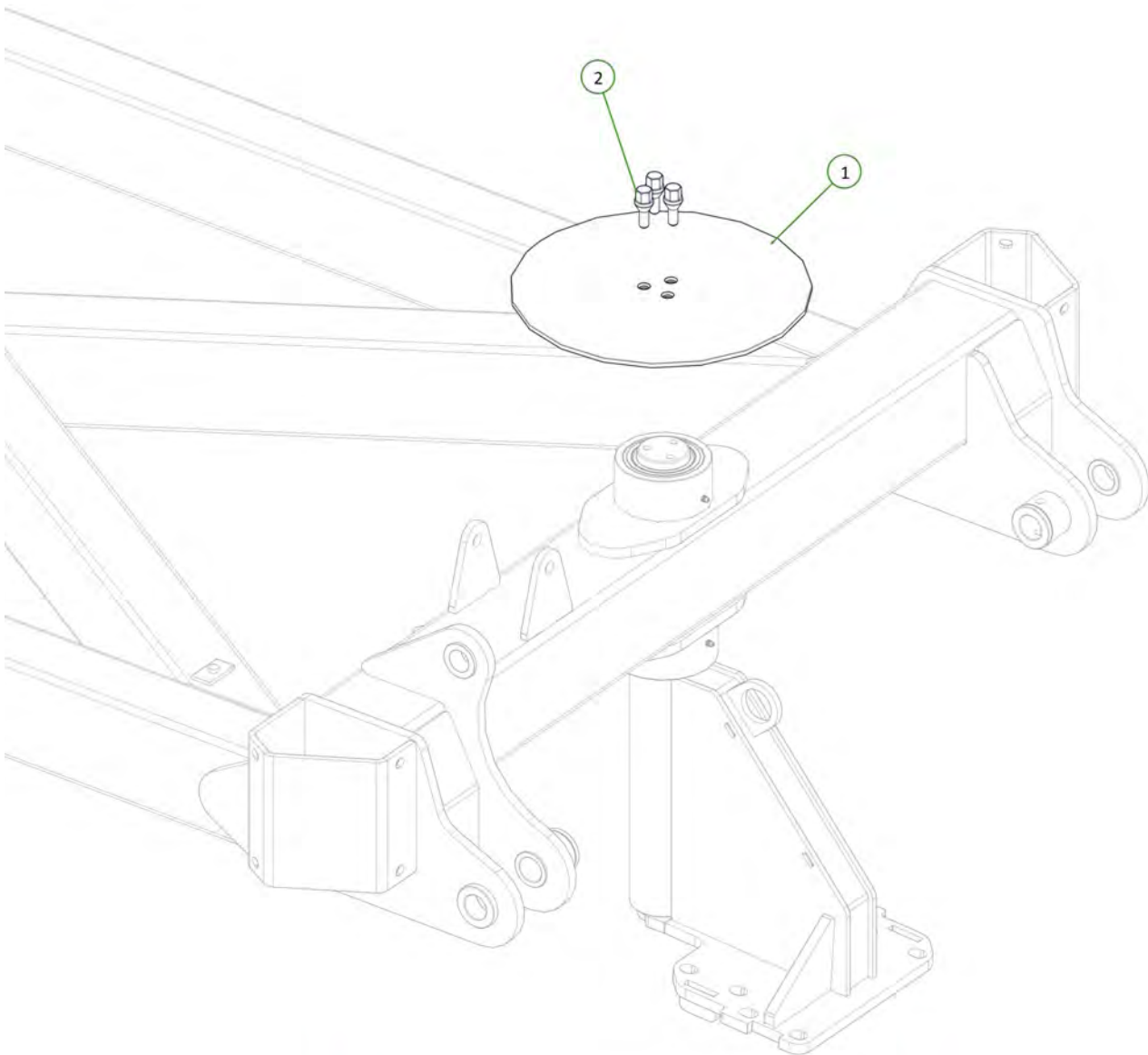




Item No.	Description	Qty	Number
1	Jockey Wheel (Europe)	1	1610-12-70E
2	Plain Spherical Bearing 70mm	2	0113-GE70DO-2RS
3	Circlip Internal 105mm	2	0171-J105
4	Grease Nipple 1/4" UNF	2	0181-GN1-4
5	TC Seal 90mm x 125mm x 13mm	1	0121-TC12681
6	Circlip External 70mm	1	0172-D1400-0700APP
7	TC Seal 70mm x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

Circlip fitted to Jockey Wheel shaft

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

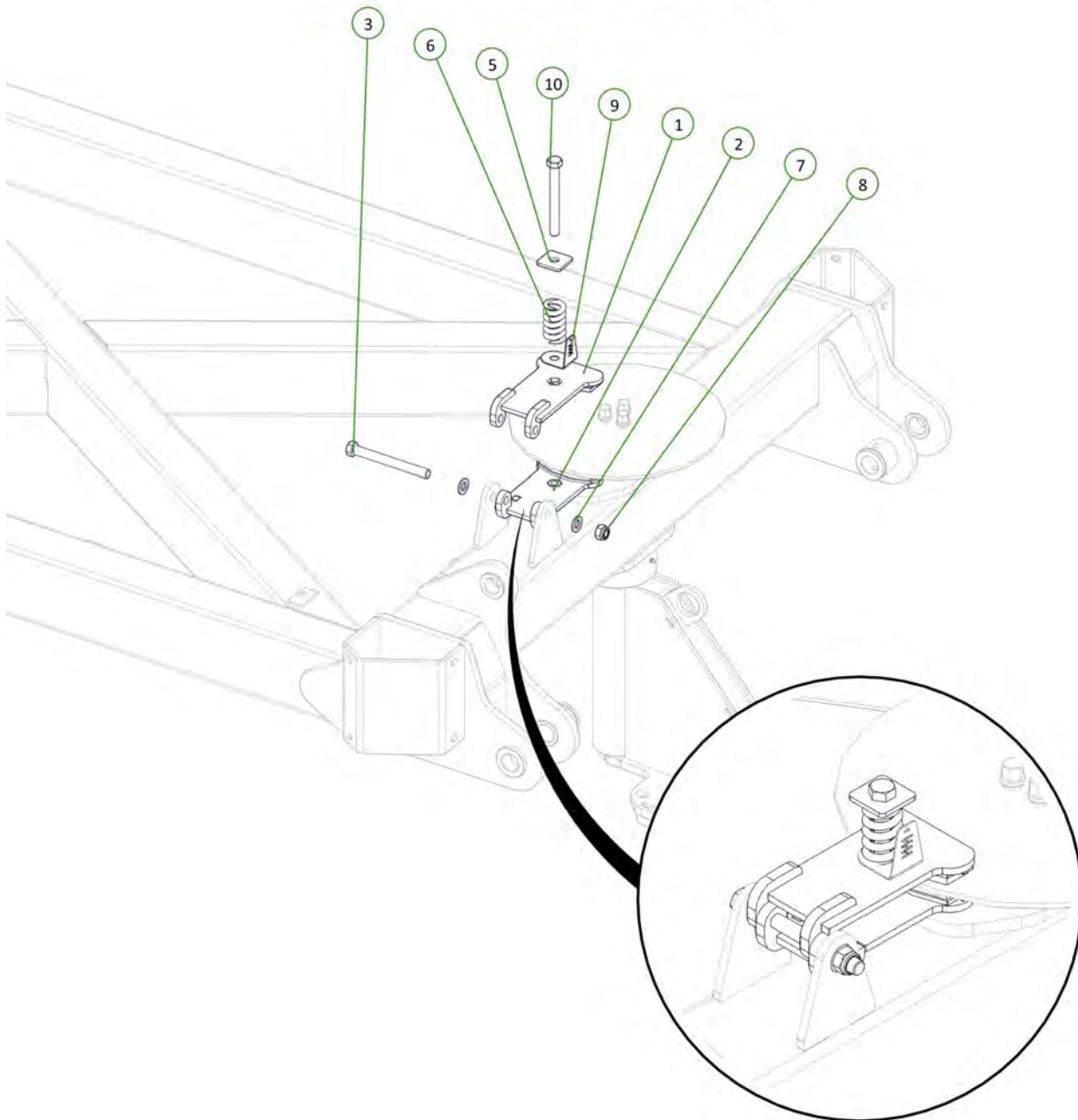


- Ensure disc tapers are free from paint.
- Apply thread locker compound to bolt threads.



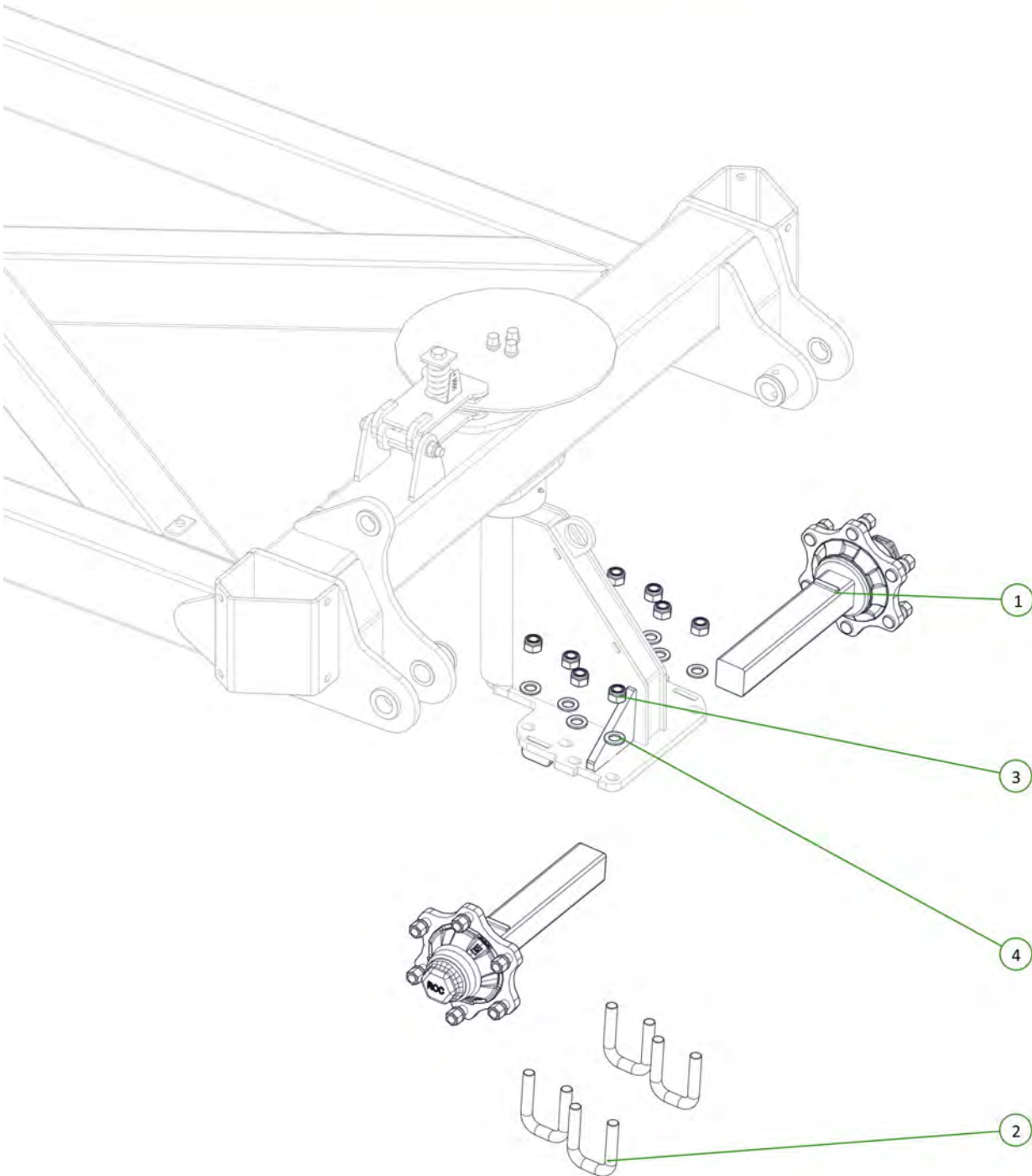
Wheel bolts torqued to 88Nm

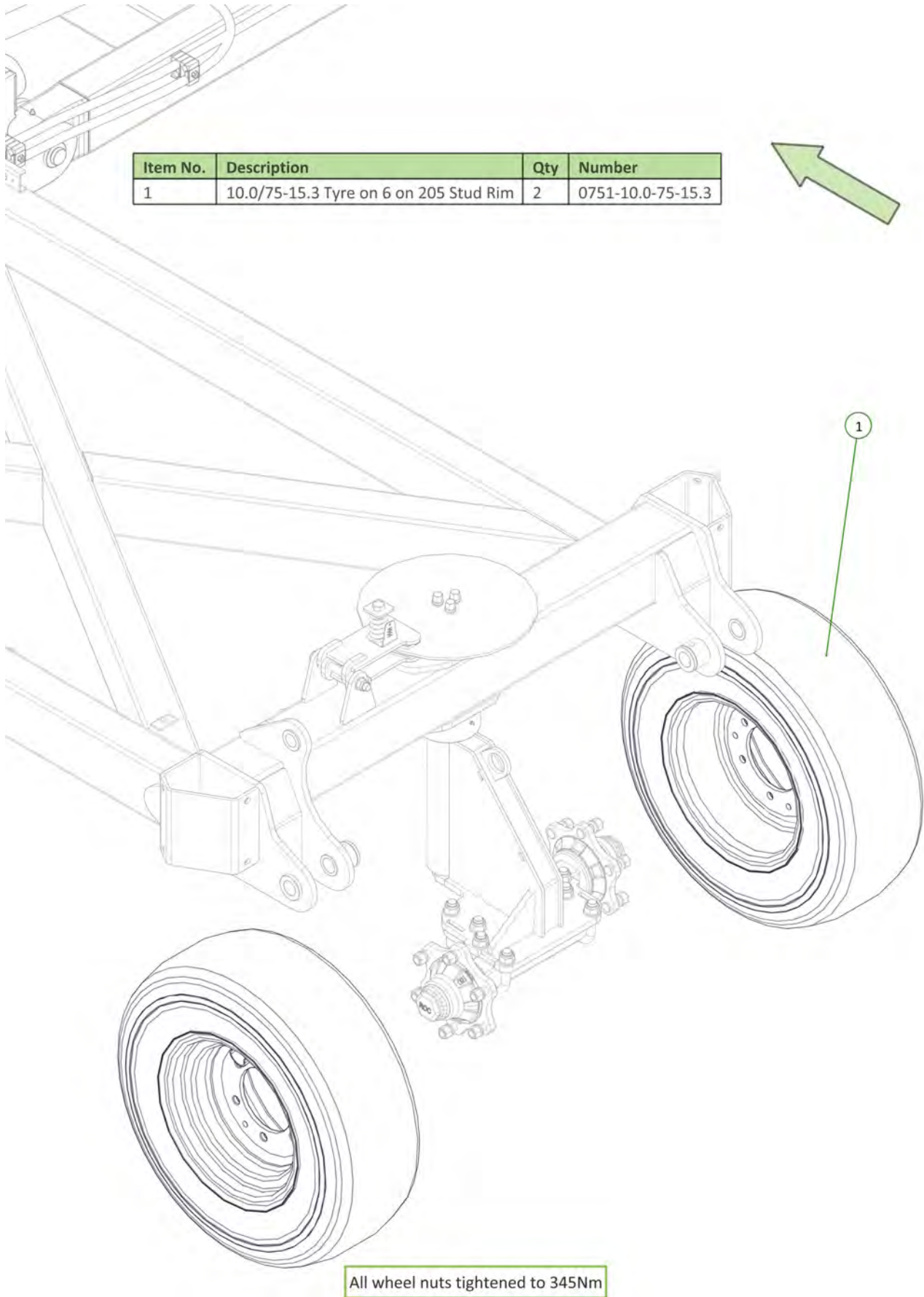
Item No.	Description	Qty	Number
1	Brake Caliper Part 1	1	0810-12.1
2	Brake Caliper Part 2	1	0810-12.2
3	M16 x 160 Class 8.8 ZP Bolt	1	0211-16160
5	Washer Square M16 x 50 x 5	1	0231-SQ16505
6	Brake Compression Spring	1	0801-KE009
7	Washer Flat M16	2	0231-F16
8	Nyloc Nut M16	1	0221-NYL16
9	Brake Spring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

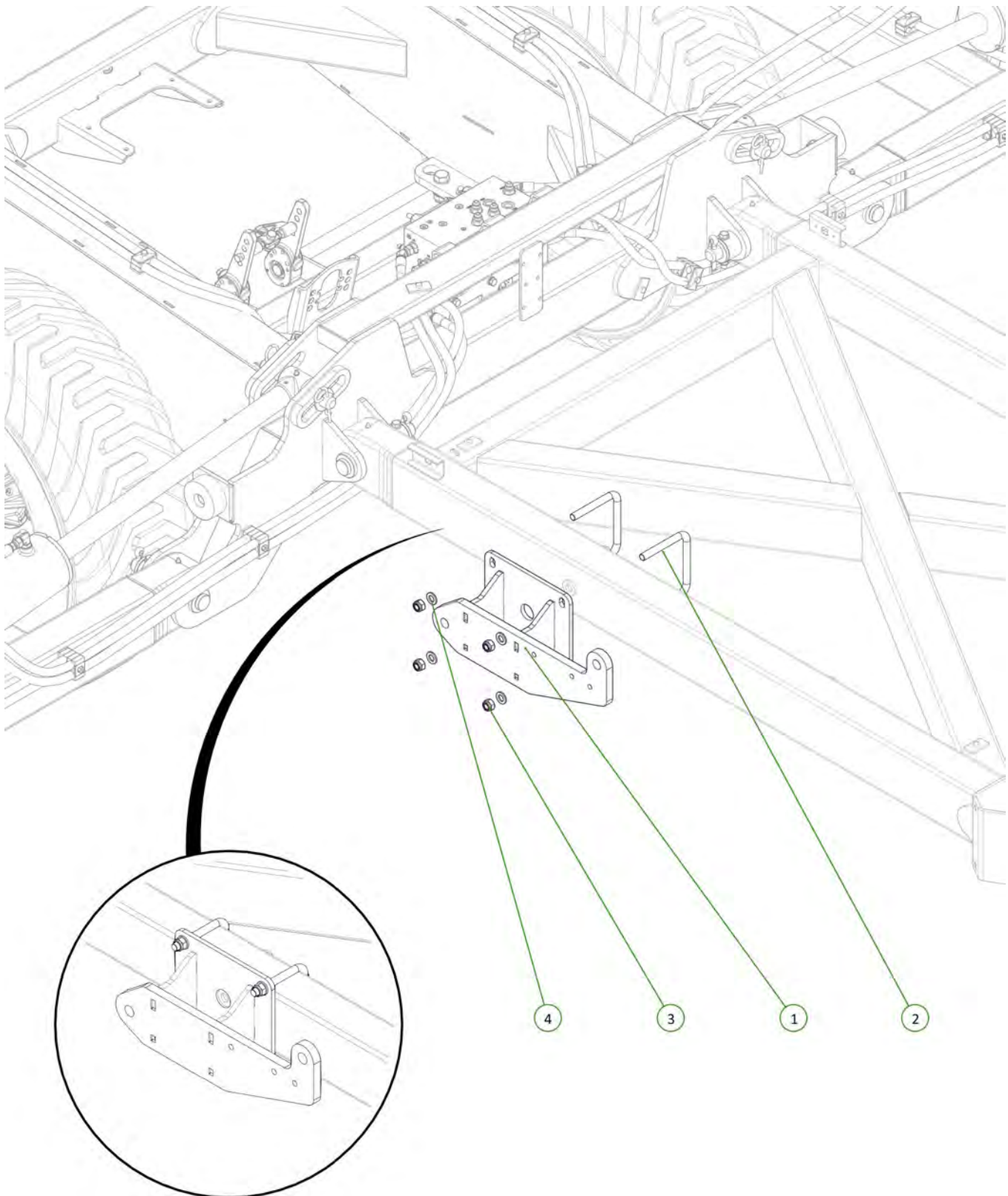


Check tension of brake caliper spring (50-63mm road transport)

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

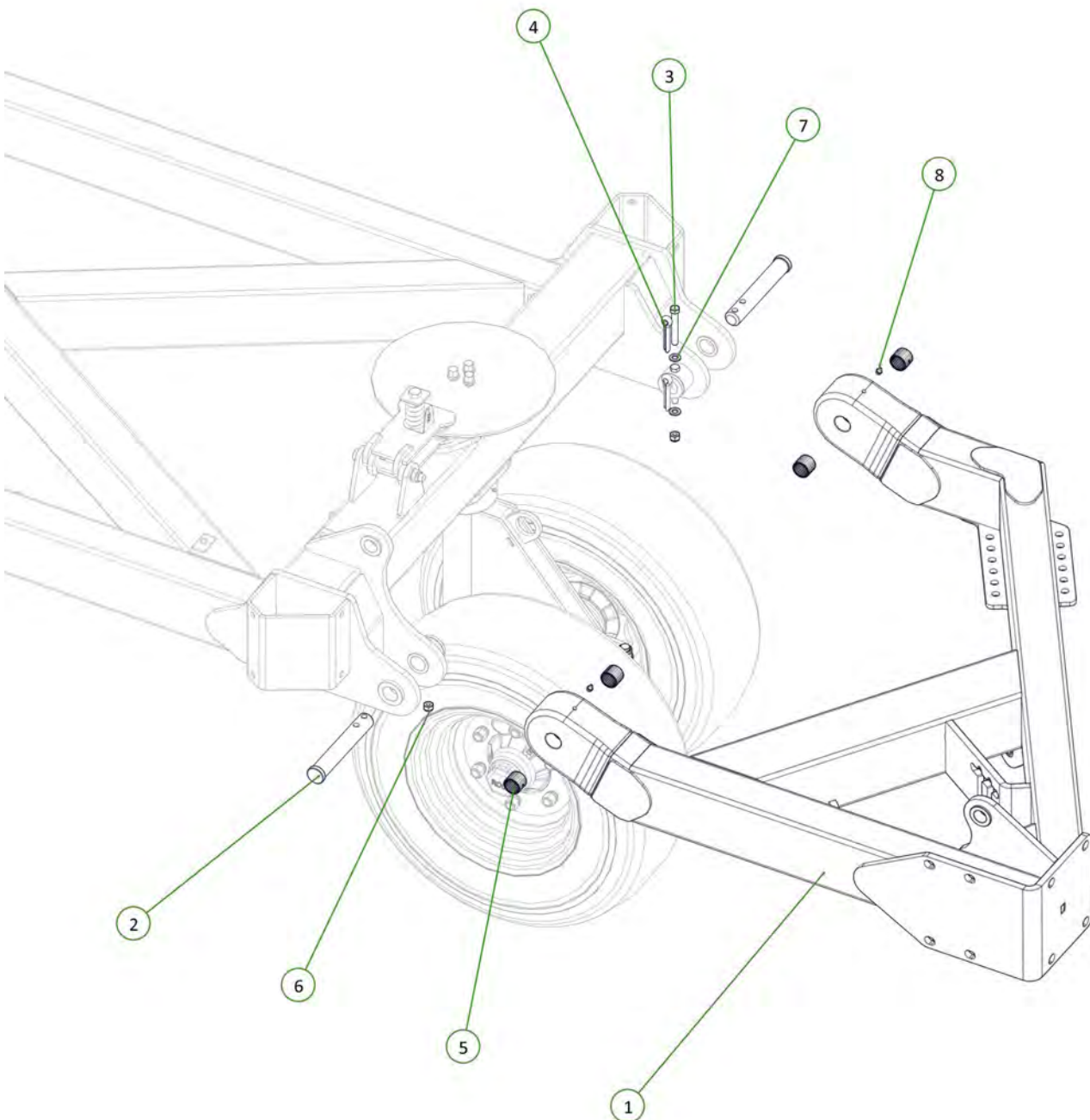


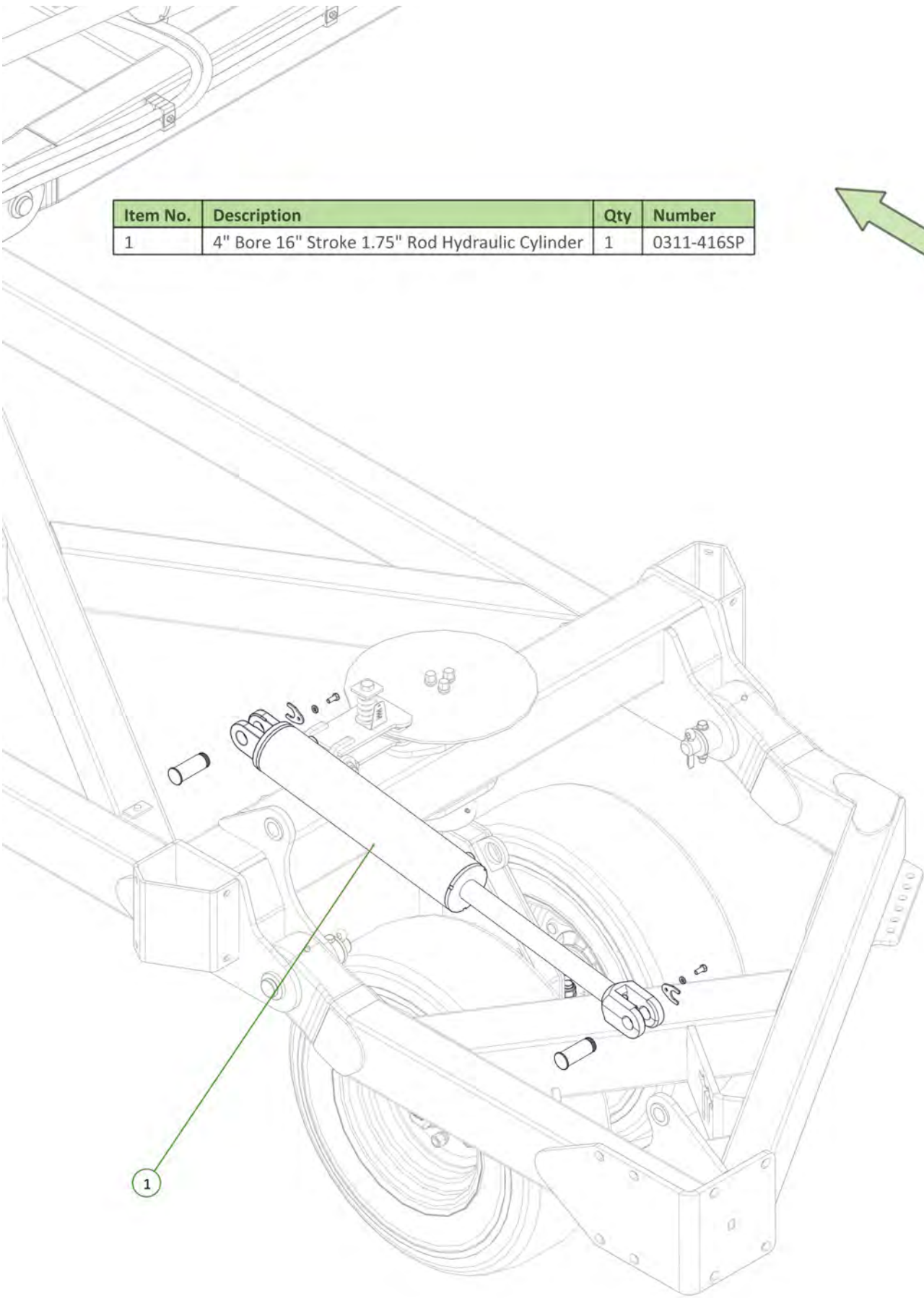




Item No.	Description	Qty	Number
1	Module Lift Mount	1	0810-60E
2	U-Bolt M16 x 140 Deep x 154 Wide	2	0271-16140154
3	Nyloc Nut M16	4	0221-NYL16
4	Washer Flat M16	4	0231-F16

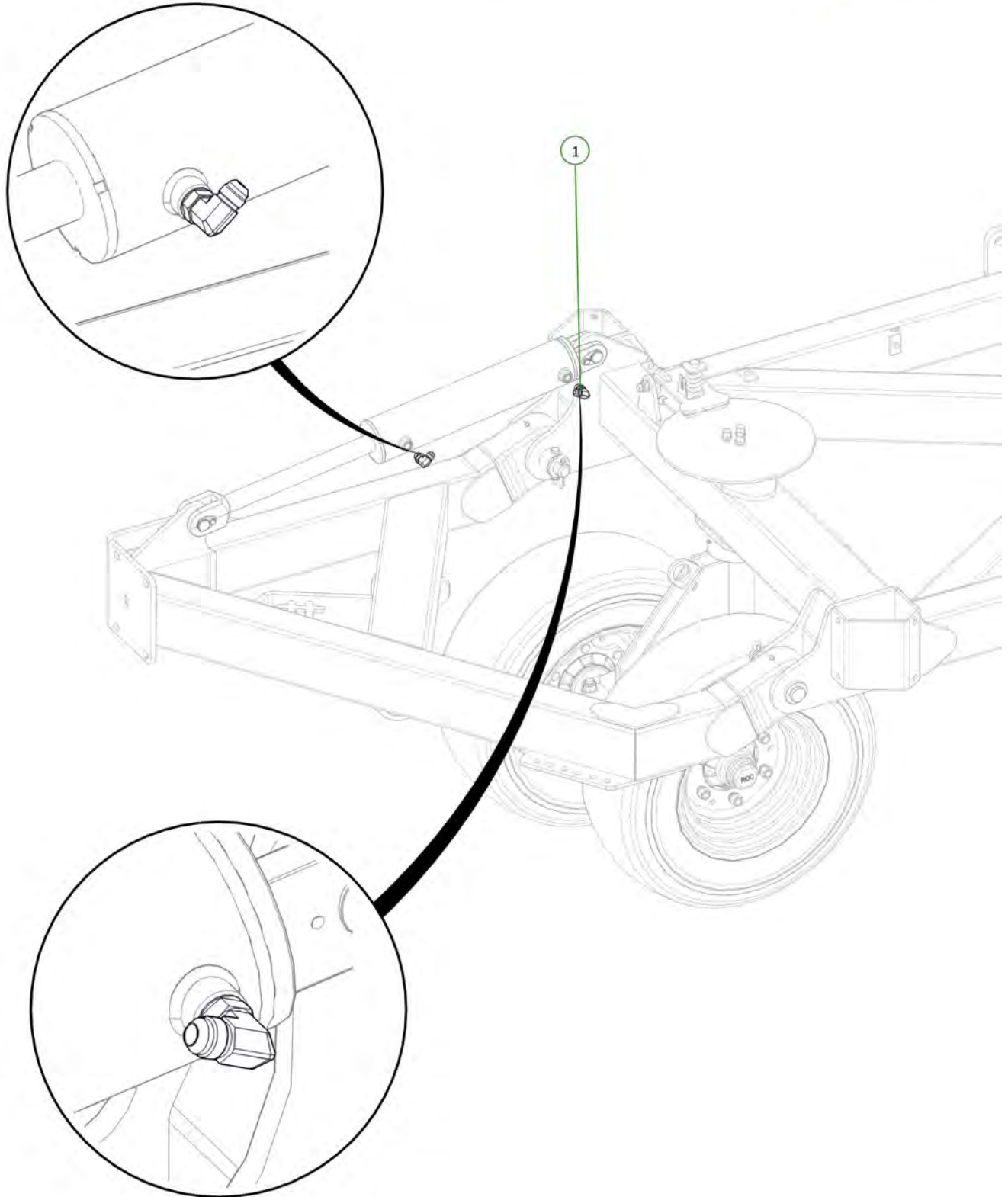
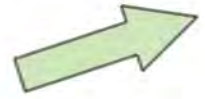
Item No.	Description	Qty	Number
1	9m Gen 2 Rear Tail	1	1532-10E
2	PCH Wing Pivot Pin	2	0801-10-08-235
3	M12 x 80 grade 8.8 ZP Bolt	1	0211-1280
4	Cotter Pin M13 x 63	1	0261-PINC1363
5	35 ID x 30mm DX Bush	4	0113-MB3530DX
6	Nyloc Nut M12	2	0221-NYL12
7	Washer Flat M12	2	0231-F12
8	Grease Nipple 1/8" BSP	2	0181-GN1-8



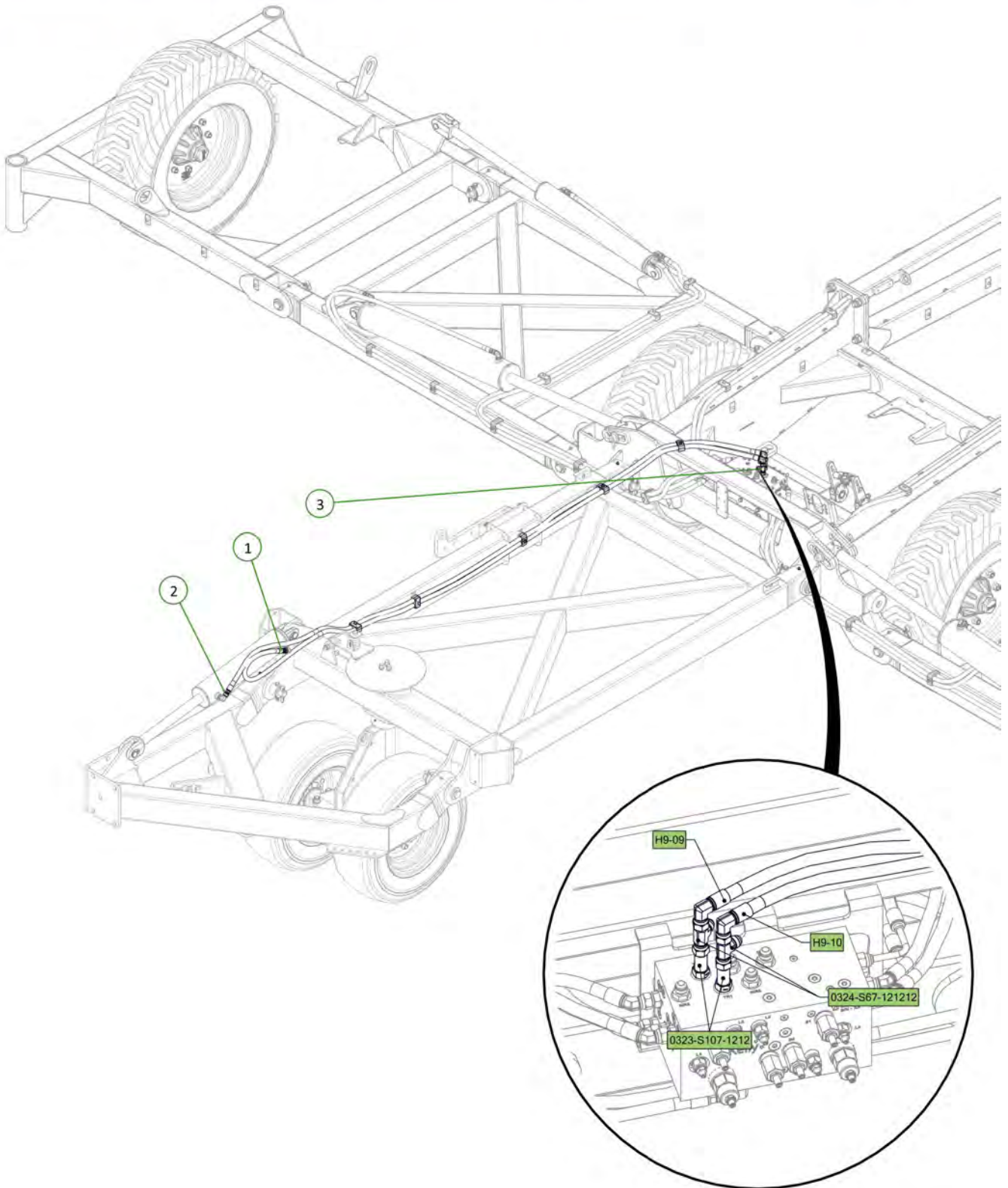


Item No.	Description	Qty	Number
1	4" Bore 16" Stroke 1.75" Rod Hydraulic Cylinder	1	0311-416SP

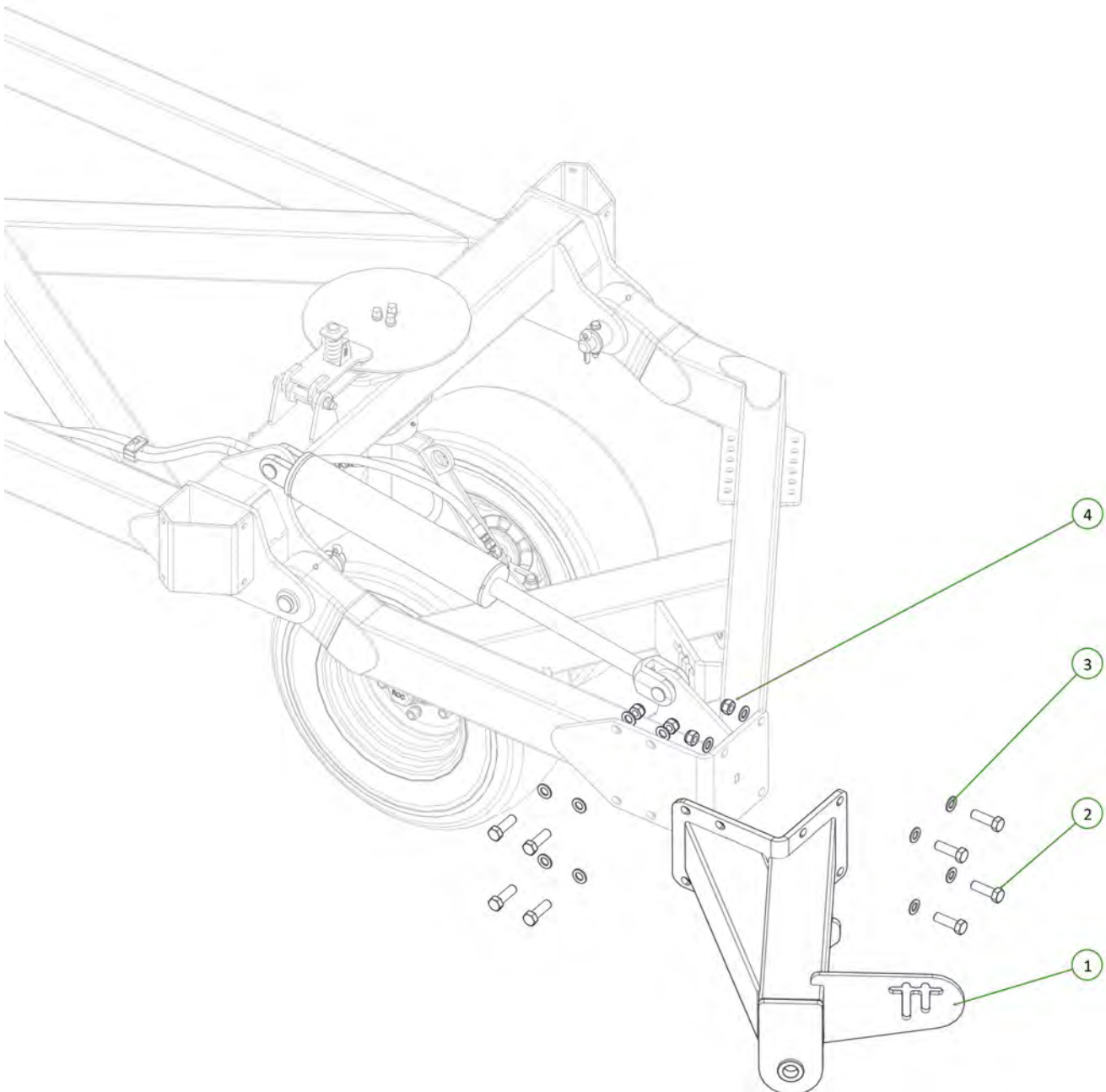
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212



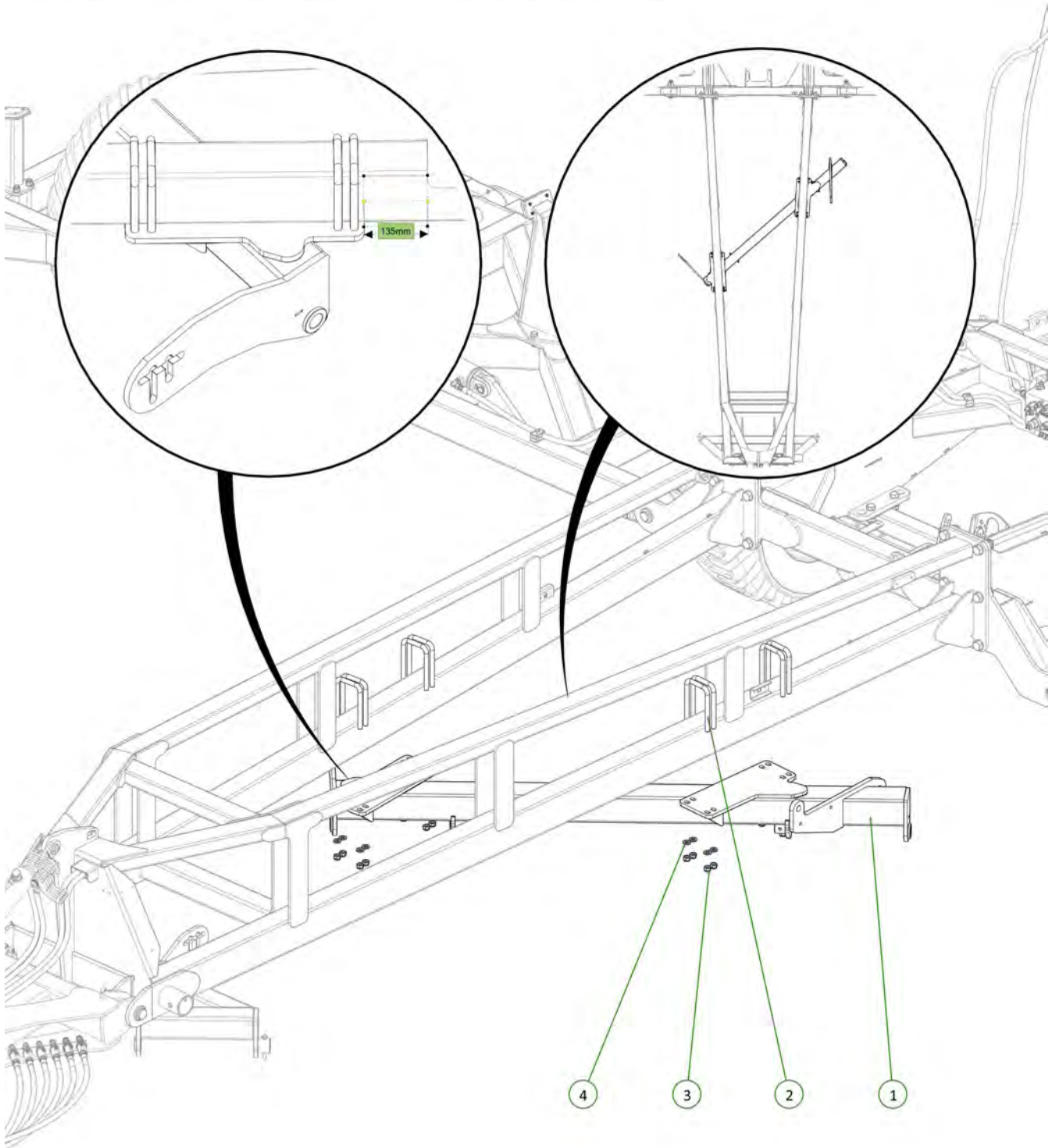
Item No.	Description	Qty	Number
1	TE1 Port to Tail Lift Cylinder Extend Port	1	H9-09
2	TR1 Port to Tail Lift Cylinder Retract Port	1	H9-10
3	3/4" JIC Male 3/4" JIC Female 3/4" JIC Male Tee	2	0324-S67-121212

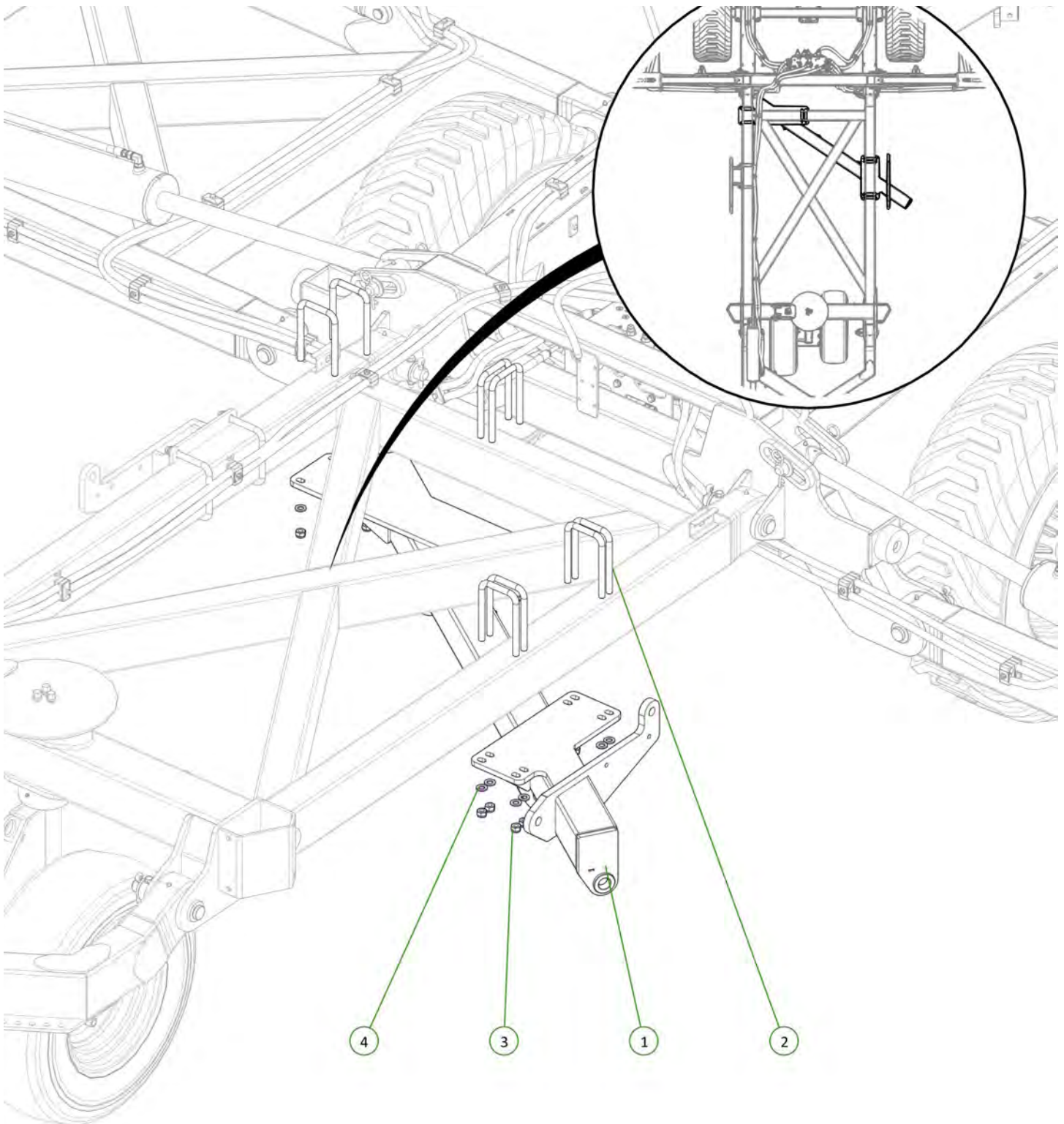


Item No.	Description	Qty	Number
1	Tail Extension	1	1532-10SEE
2	M20 x 60 grade 8.8 ZP Bolt	8	0211-2060
3	Washer Flat M20	16	0231-F20
4	Nyloc Nut M20	8	0221-NYL20



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

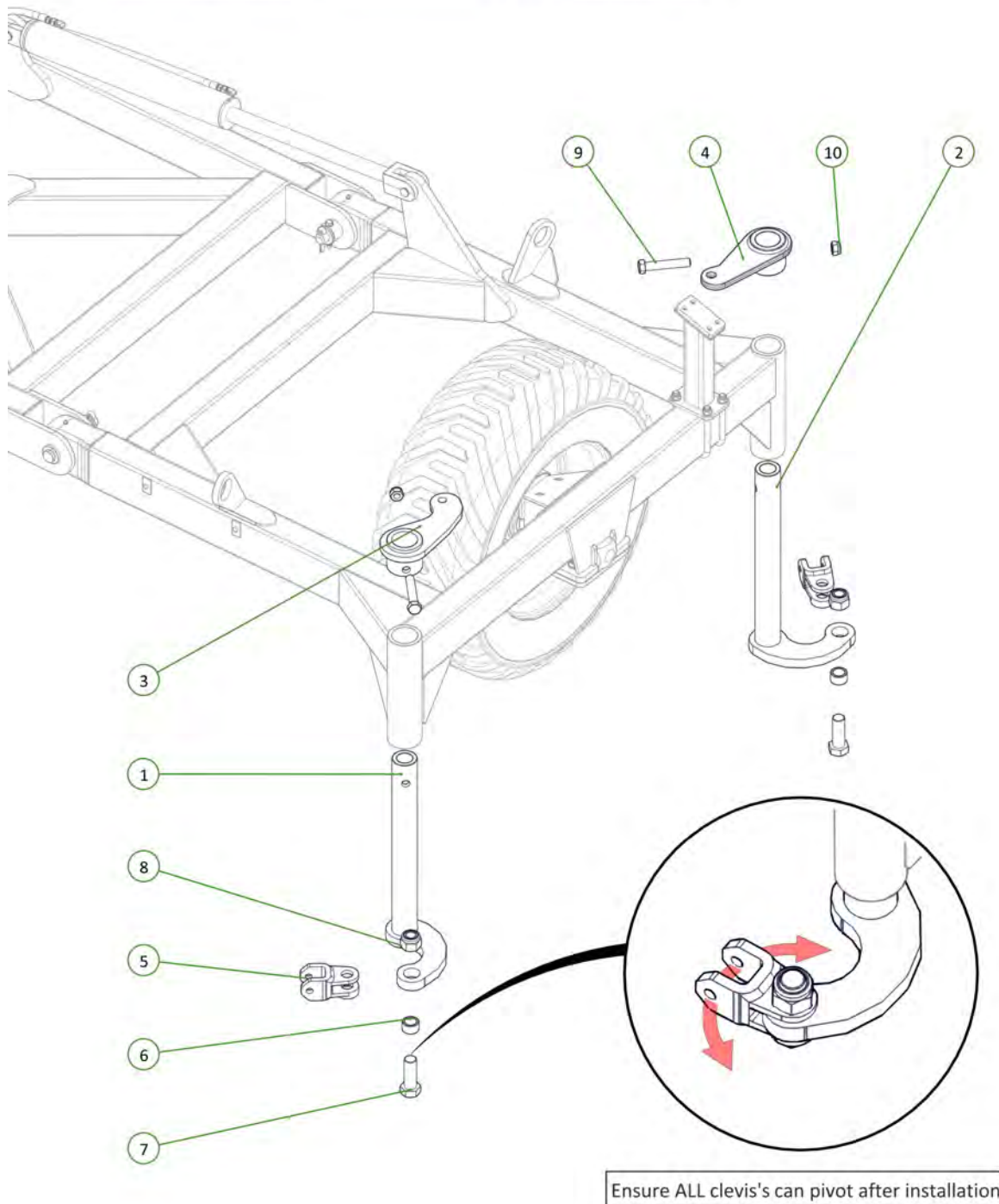




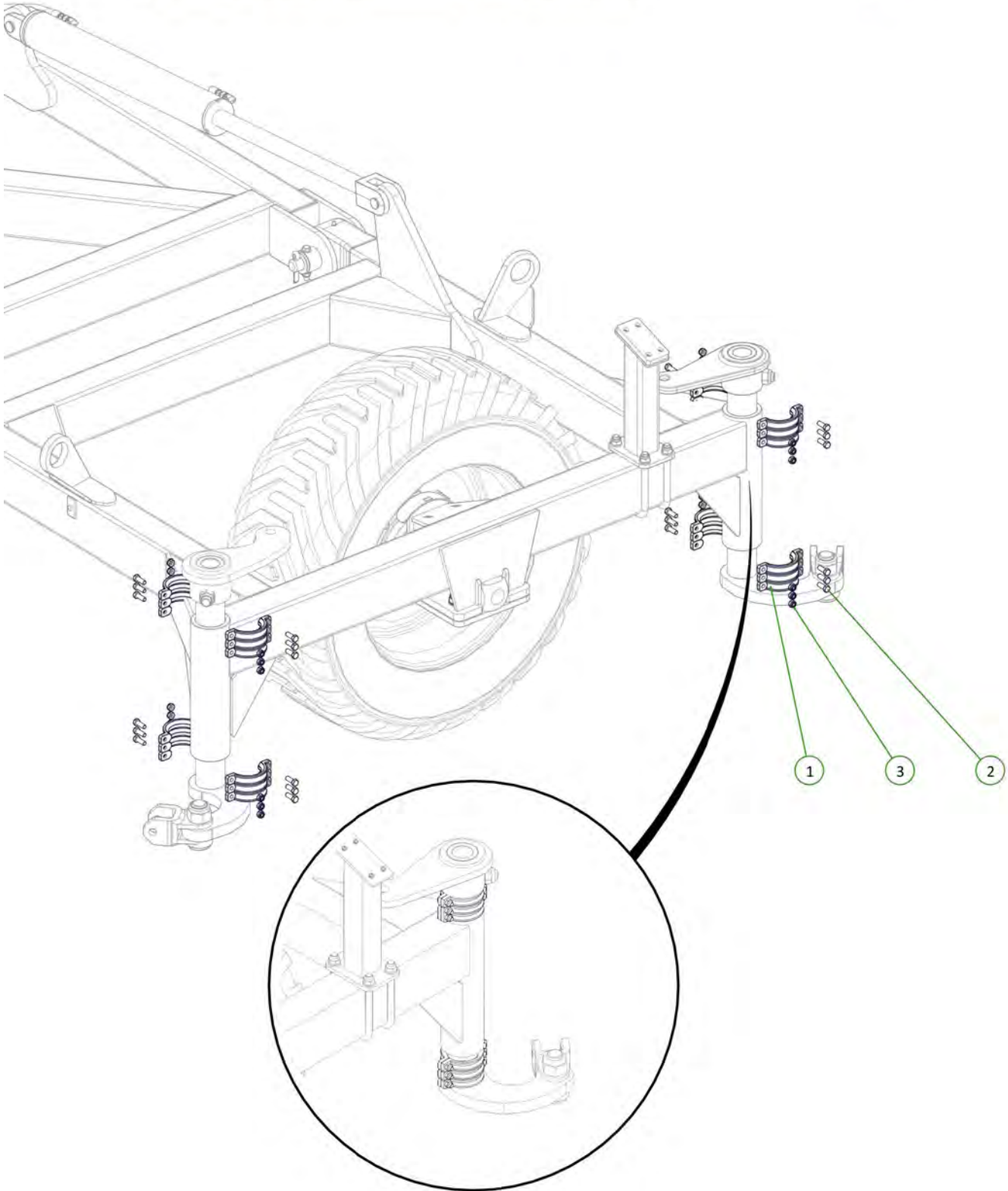
Item No.	Description	Qty	Number
1	9m Rear Module	1	1532-29-30E
2	U-Bolt M16 x 185 Deep x 104 Wide	8	0271-16185104
3	Nyloc Nut M16	16	0221-NYL16
4	Washer Flat M16	16	0231-F16

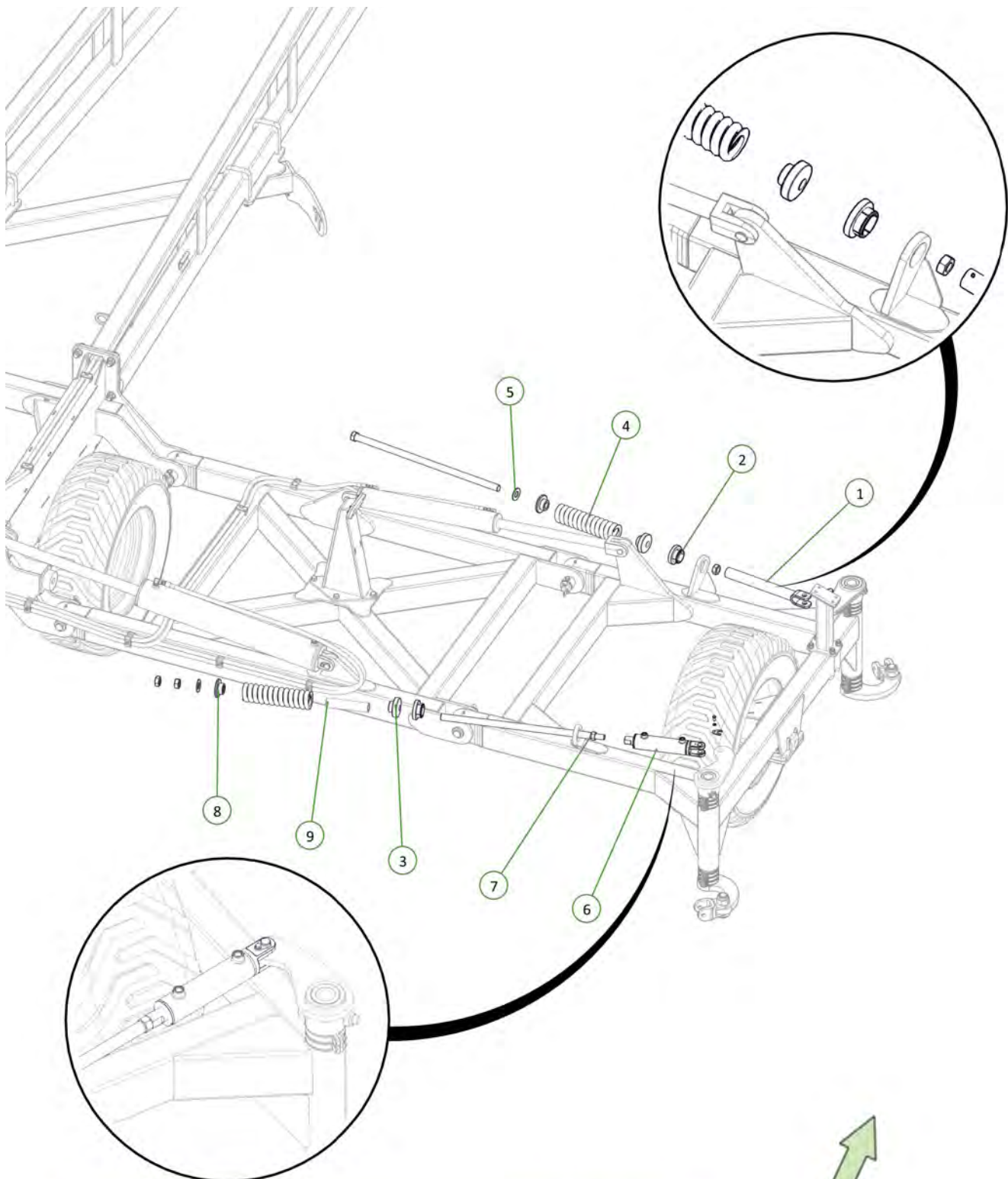


Item No.	Description	Qty	Number
1	Super Single LH Drop Leg No Clevis	1	0810-24SF
2	Super Single RH Drop Leg No Clevis	1	0810-25SF
3	Right Hand Chain Tension Lug	1	1510-69
4	RH Chain Adjusting Lug	1	0810-27
5	Forged Clevis 21mm Bolt Hole	2	0801-FC21
6	Stainless Steel Wear Bush	2	1501-365033-SS
7	M36 x 105 grade 8.8 zp Bolt	2	0211-36105
8	Nyloc Nut M36	2	0221-NYL36
9	M24 x 140 grade 8.8 zp Bolt	2	0211-24140
10	Nyloc Nut M24	2	0221-NYL24



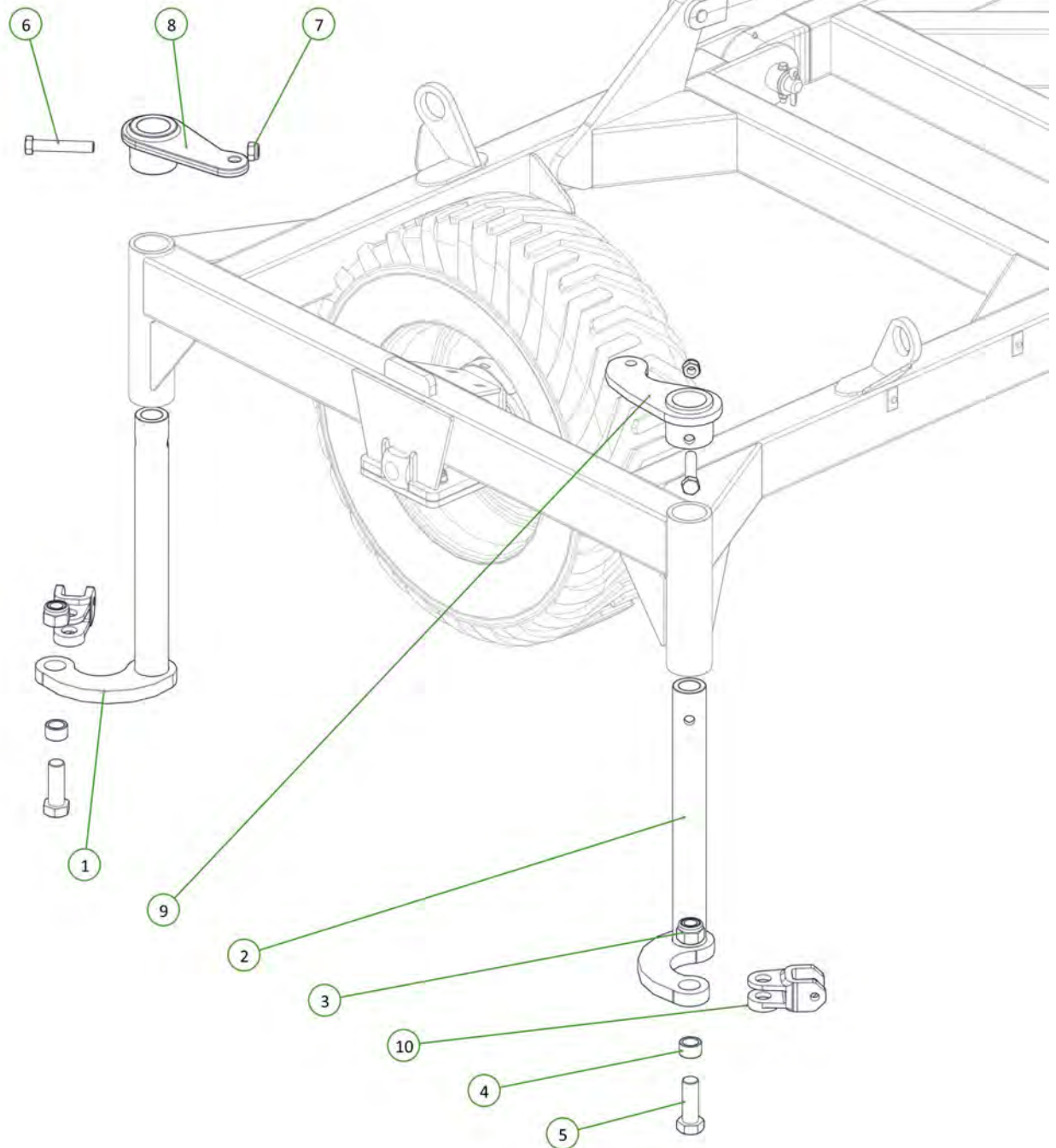
Item No.	Description	Qty	Number
1	Cast 25mm Spacing	24	0801-CS25
2	M10 x 30 grade 8.8 ZP Bolt	24	0211-1030
3	Nyloc Nut M10	24	0221-NYL10



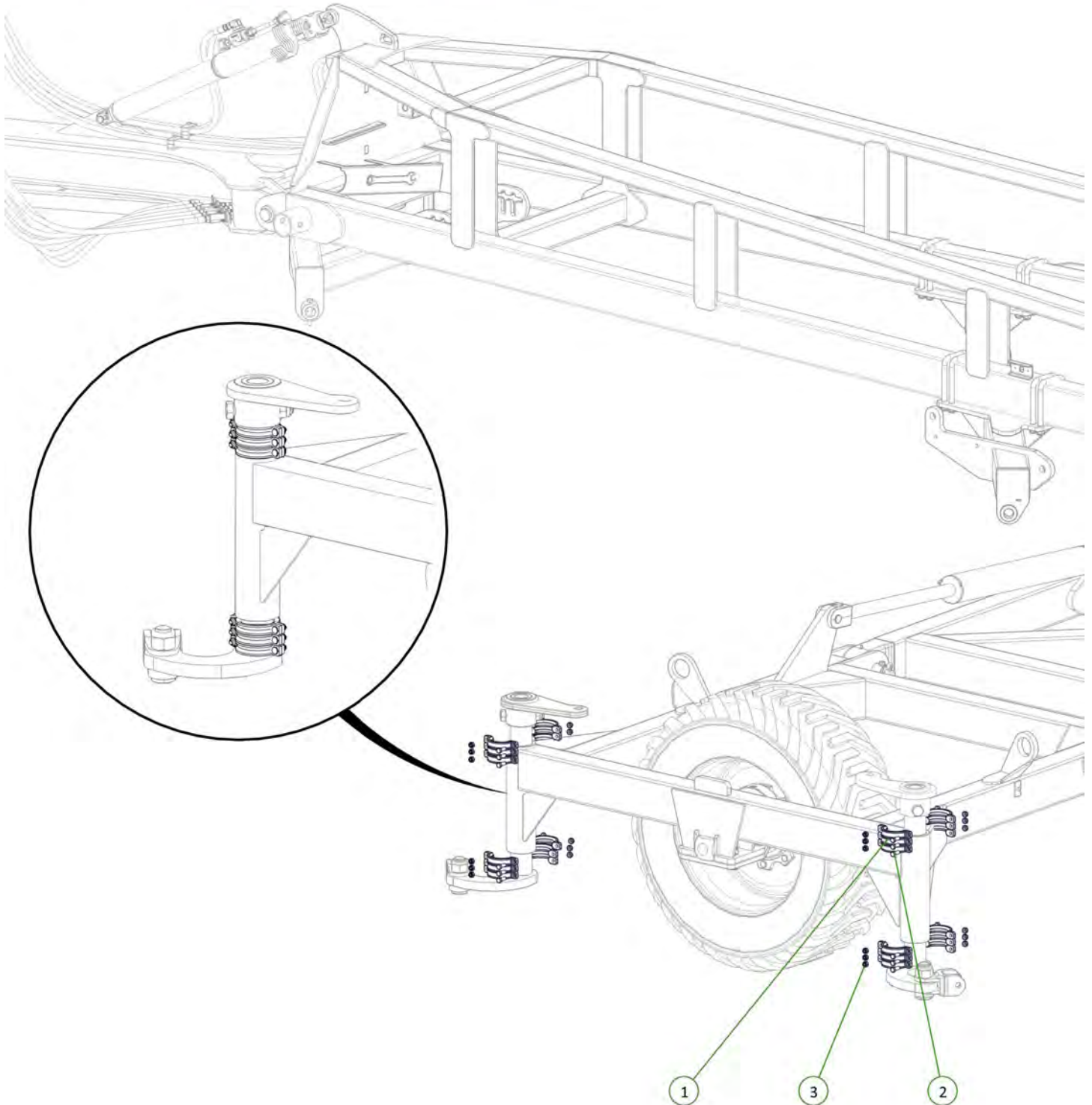


Item No.	Description	Qty	Number
1	Chain Tension Adjustor	1	0802-PCHTA
2	Female Spring Locator	2	0801-KE0805-4
3	Tensioner Cup - Male	2	0801-KE0805-3
4	20mm Compression Spring	2	0801-XK9261S
5	Washer High Tensile 1 1/4"	2	0232-HT11-4
6	2.5" Bore x 6" Stroke x 1.5" Rod Side Port Wing Tensioner	1	0311-256SP-WT
7	ACME Threaded Rod	1	0810-06
8	Steel Spring Retaining Bush	1	0801-PCHTA-SB
9	Inner Spring Locator	1	1501-024

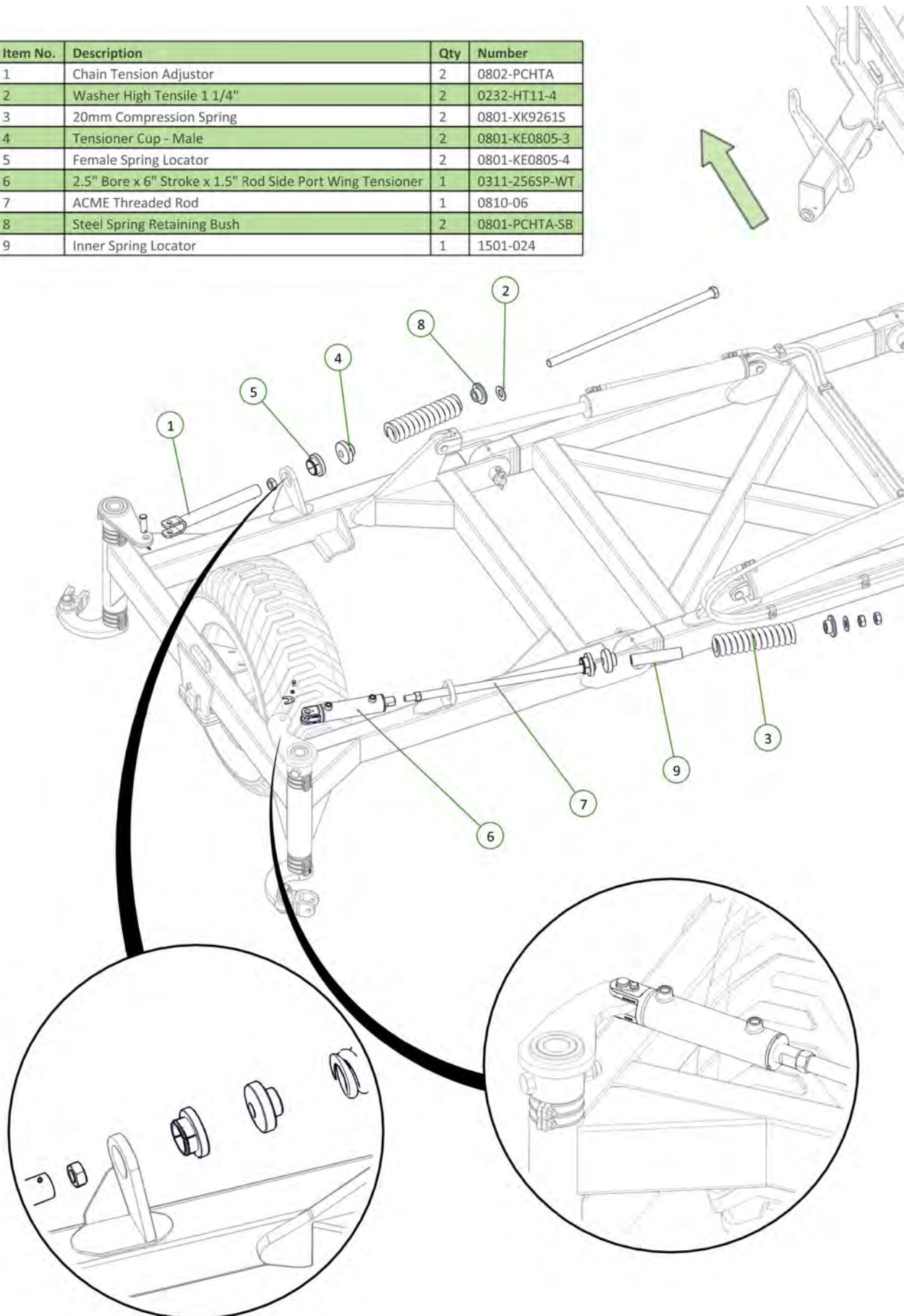
Item No.	Description	Qty	Number
1	Super Single LH Drop Leg No Clevis	1	0810-24SF
2	Super Single RH Drop Leg No Clevis	1	0810-25SF
3	Nyloc Nut M36	2	0221-NYL36
4	Stainless Steel Wear Bush	2	1501-365033-SS
5	M36 x 105 grade 8.8 ZP Bolt	2	0211-36105
6	M24 x 140 grade 8.8 zp Bolt	2	0211-24140
7	Nyloc Nut M24	2	0221-NYL24
8	LH Chain Adjusting Lug	1	0810-26
9	Left Hand Chain Tension Lug	1	1510-68
10	Forged Clevis 21mm Bolt Hole	2	0801-FC21



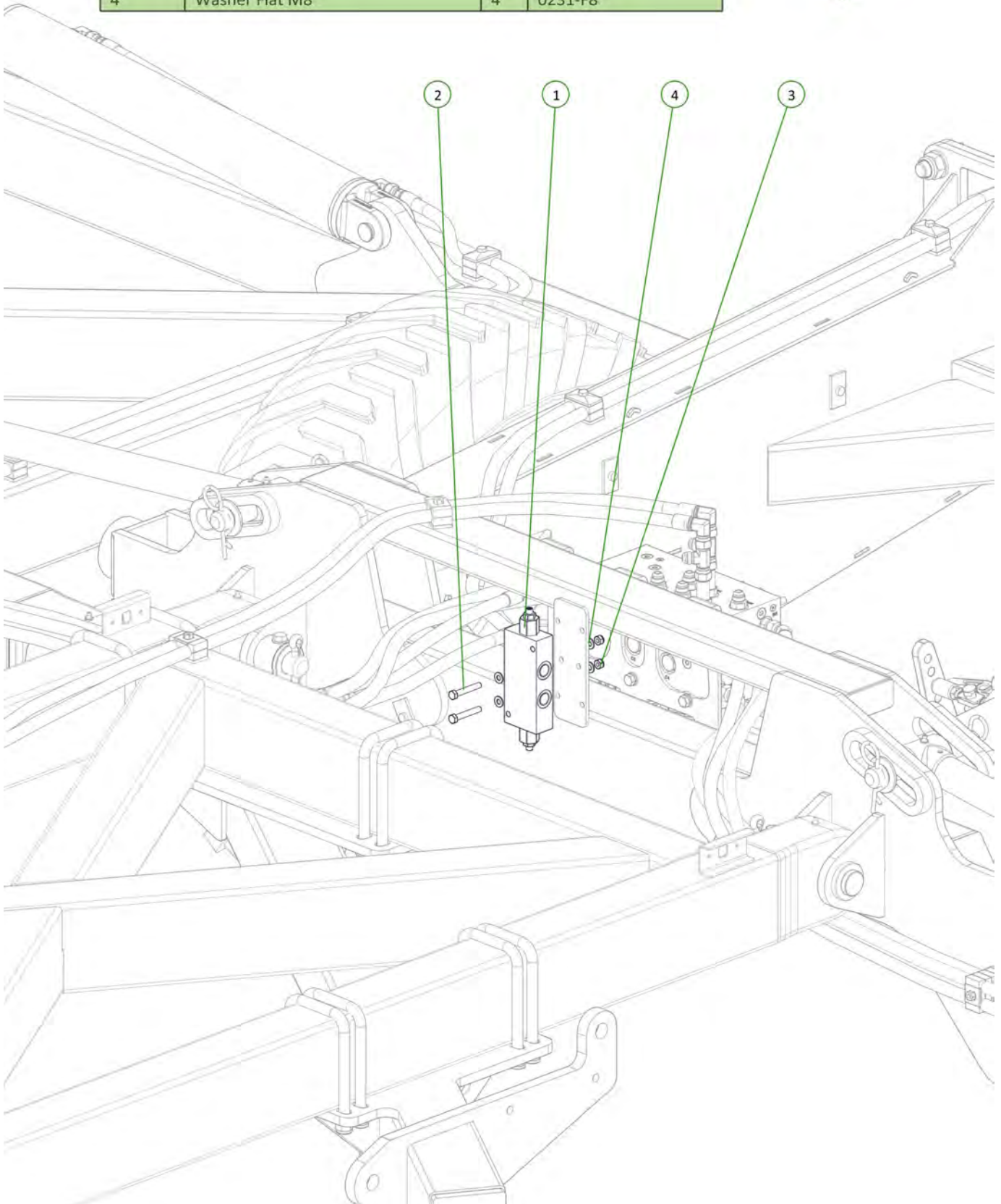
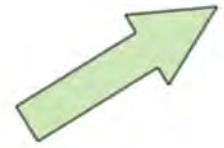
Item No.	Description	Qty	Number
1	Cast 25mm Spacing	24	0801-CS25
2	M10 x 30 grade 8.8 ZP Bolt	24	0211-1030
3	Nyloc Nut M10	24	0221-NYL10



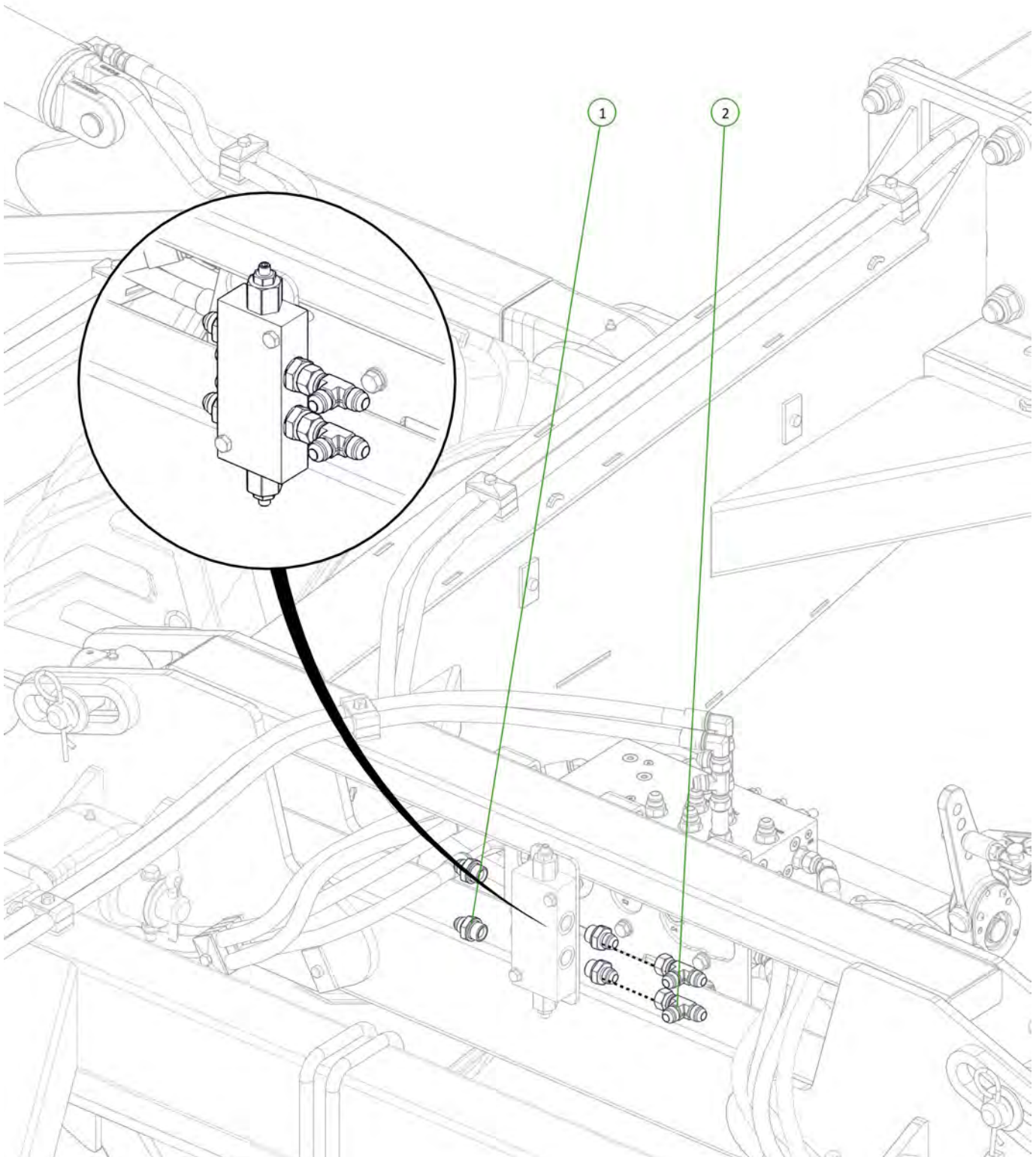
Item No.	Description	Qty	Number
1	Chain Tension Adjustor	2	0802-PCHTA
2	Washer High Tensile 1 1/4"	2	0232-HT11-4
3	20mm Compression Spring	2	0801-XK9261S
4	Tensioner Cup - Male	2	0801-KE0805-3
5	Female Spring Locator	2	0801-KE0805-4
6	2.5" Bore x 6" Stroke x 1.5" Rod Side Port Wing Tensioner	1	0311-256SP-WT
7	ACME Threaded Rod	1	0810-06
8	Steel Spring Retaining Bush	2	0801-PCHTA-SB
9	Inner Spring Locator	1	1501-024



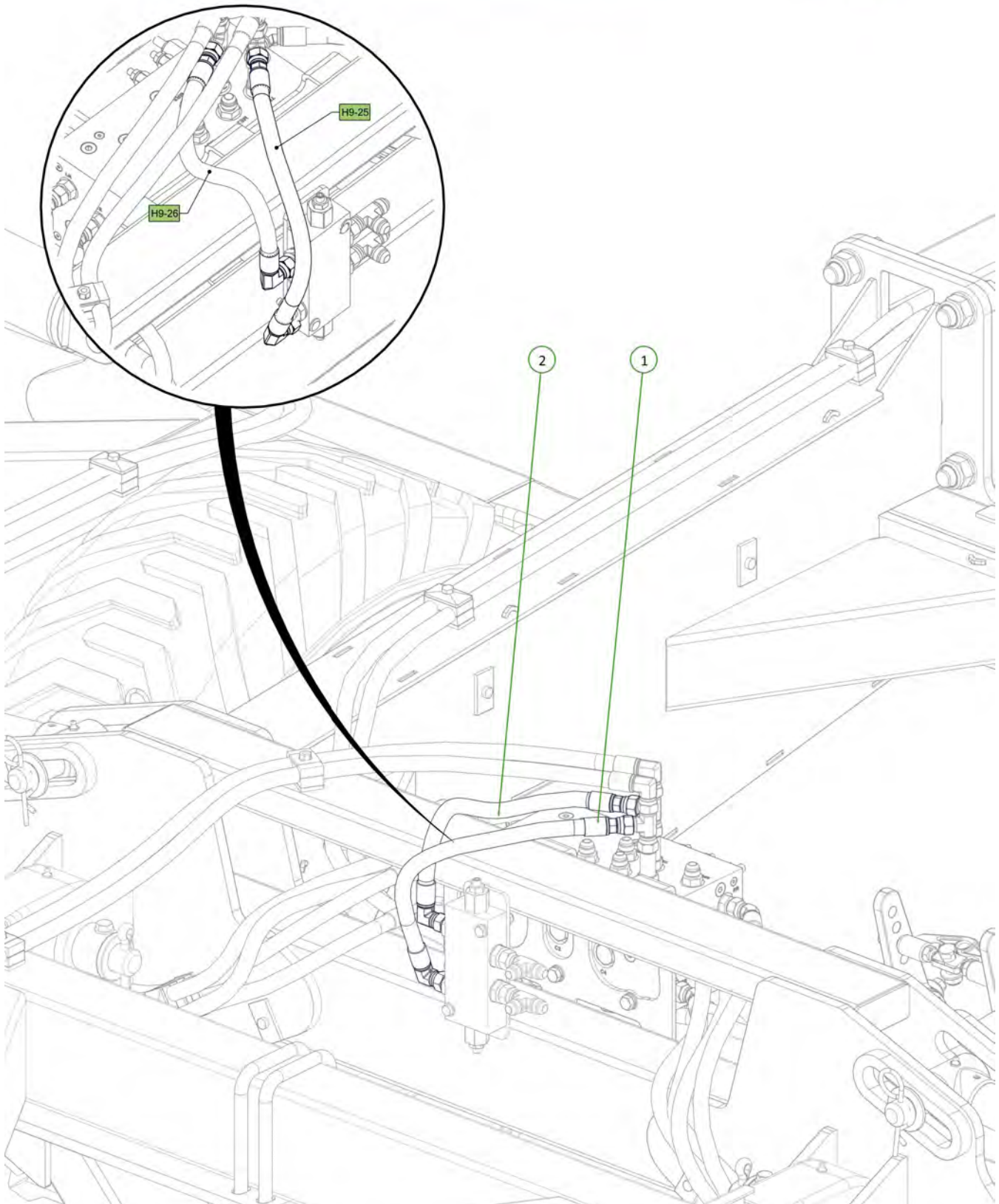
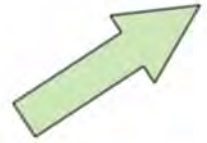
Item No.	Description	Qty	Number
1	Dual Overcentre Valve, Line Mounted	1	0341-FPOE70D12LA20B
2	M8 x 50 grade 8.8 ZP Bolt	2	0211-850
3	Nyloc Nut M8	2	0221-NYL8
4	Washer Flat M8	4	0231-F8



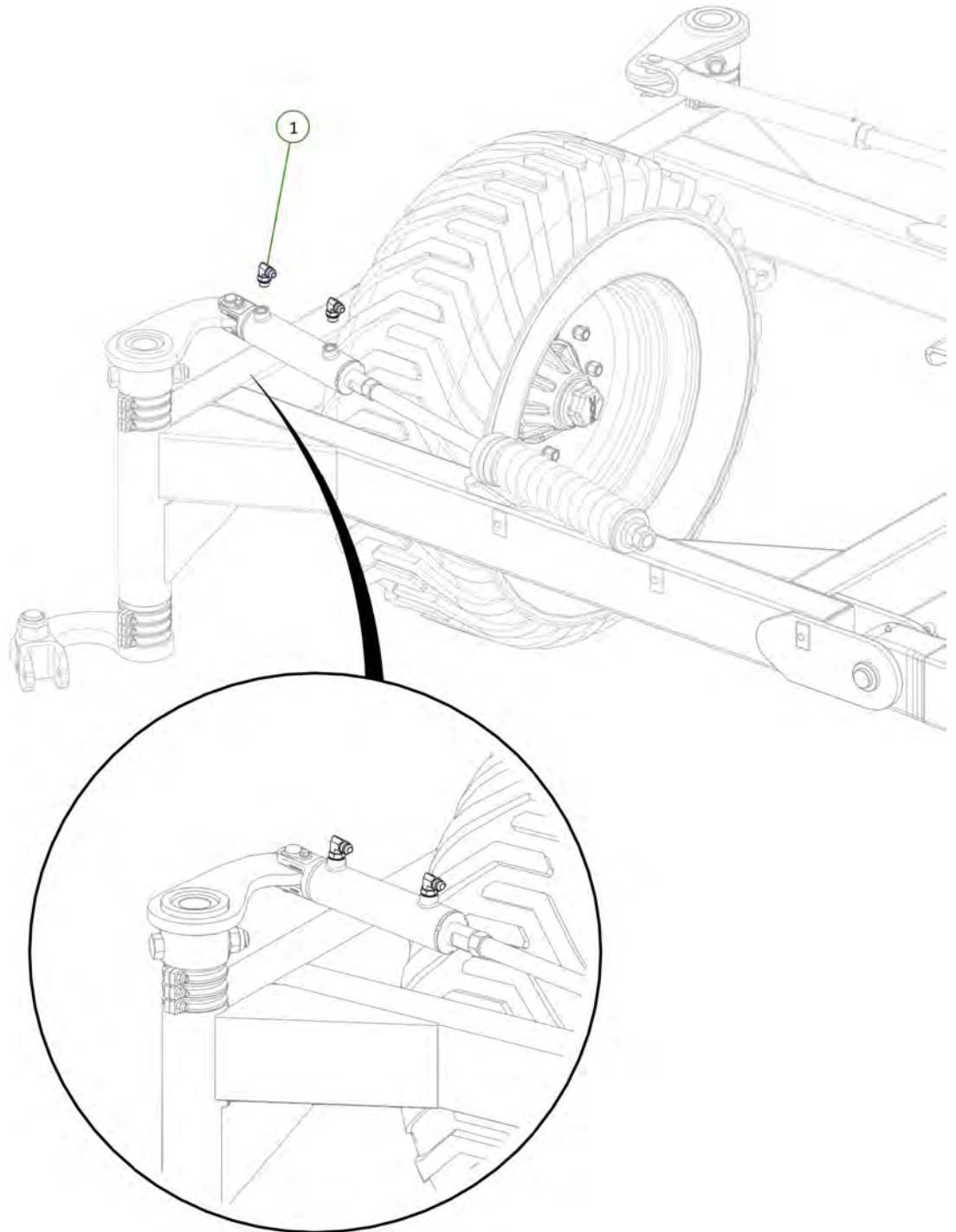
Item No.	Description	Qty	Number
1	1/2" BSPP Encapt Male 3/4" JIC Male Adaptor	4	0323-S74-0812
2	3/4" JIC Male 3/4" JIC Female 3/4" JIC Male Tee	2	0324-S67-121212



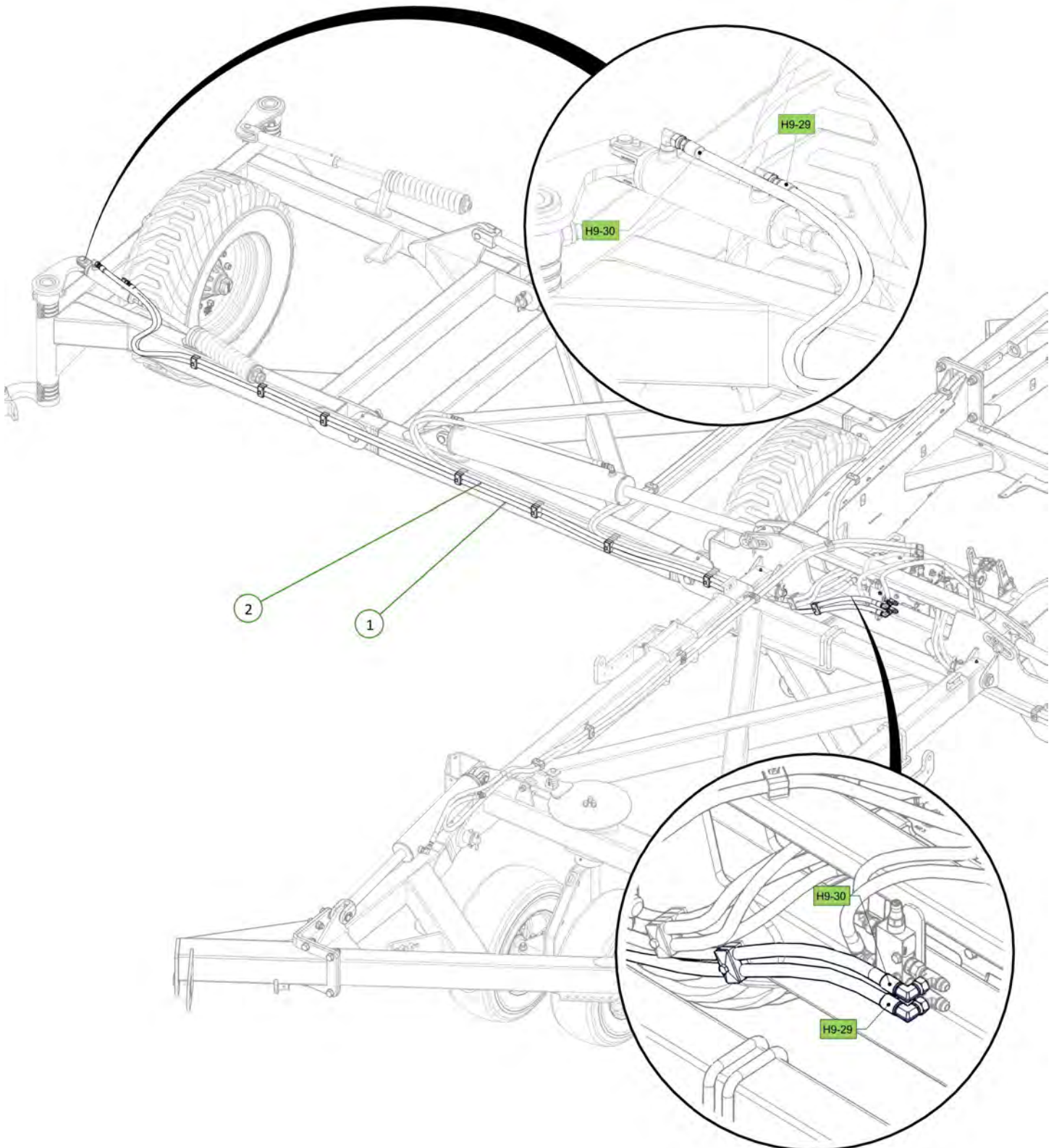
Item No.	Description	Qty	Number
1	TE1 Bridge to V1 Chain Tension Retract	1	H9-25
2	TR1 Bridge To V2 Chain Tension Extend	1	H9-26



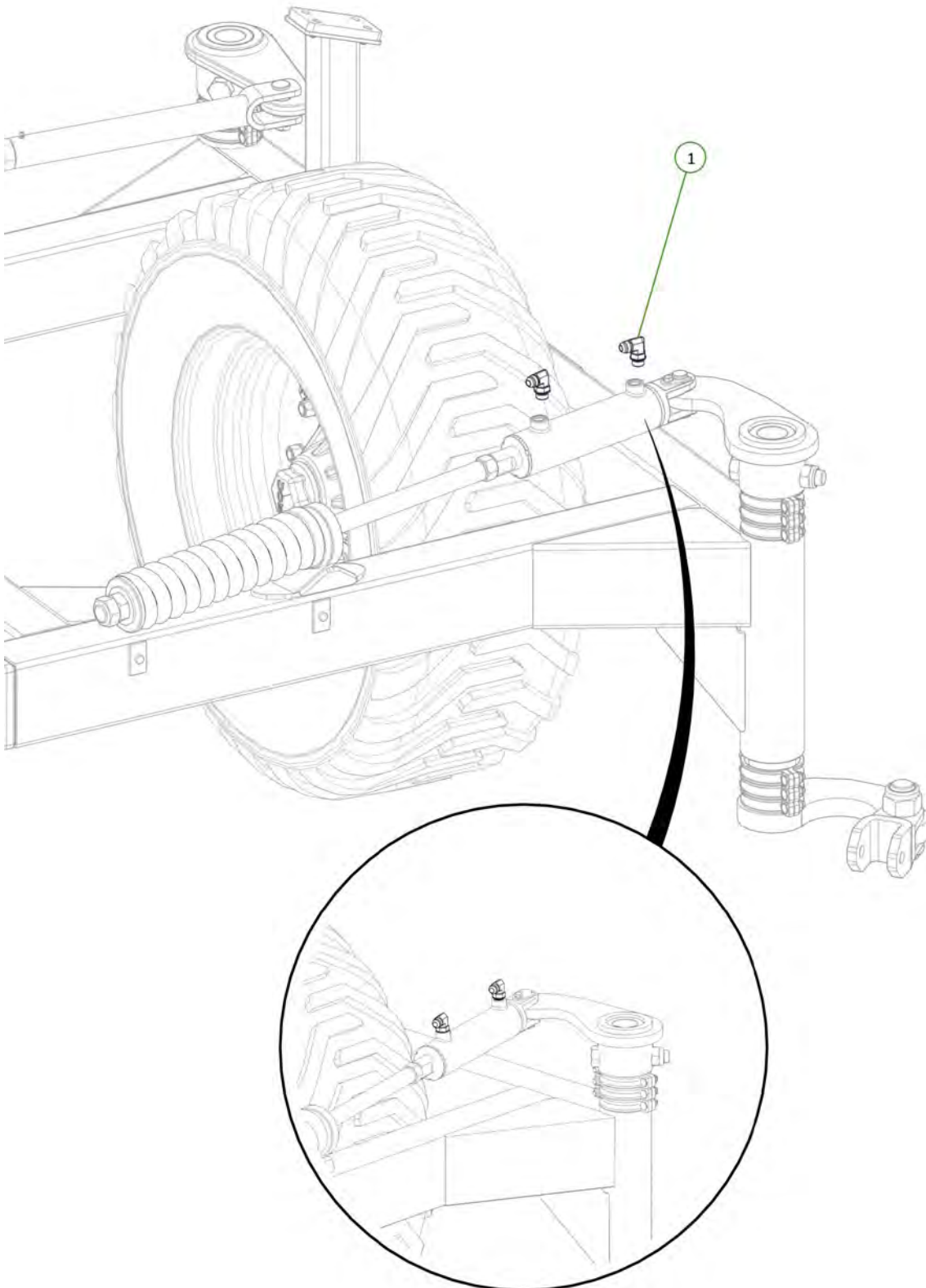
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212



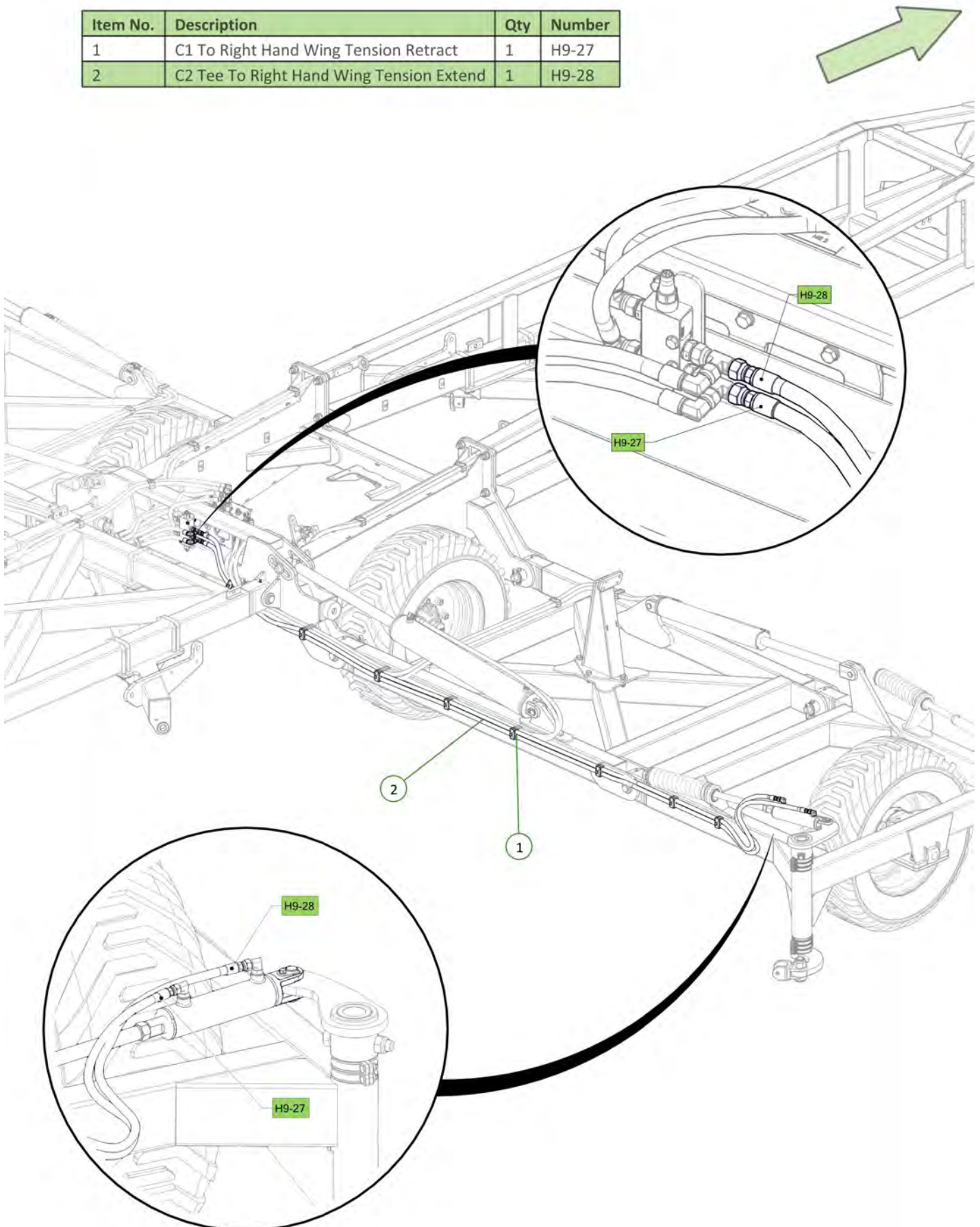
Item No.	Description	Qty	Number
1	C1 To Left Hand Wing Tension Retract	1	H9-29
2	C2 Tee To Left Hand Wing Tension Extend	1	H9-30

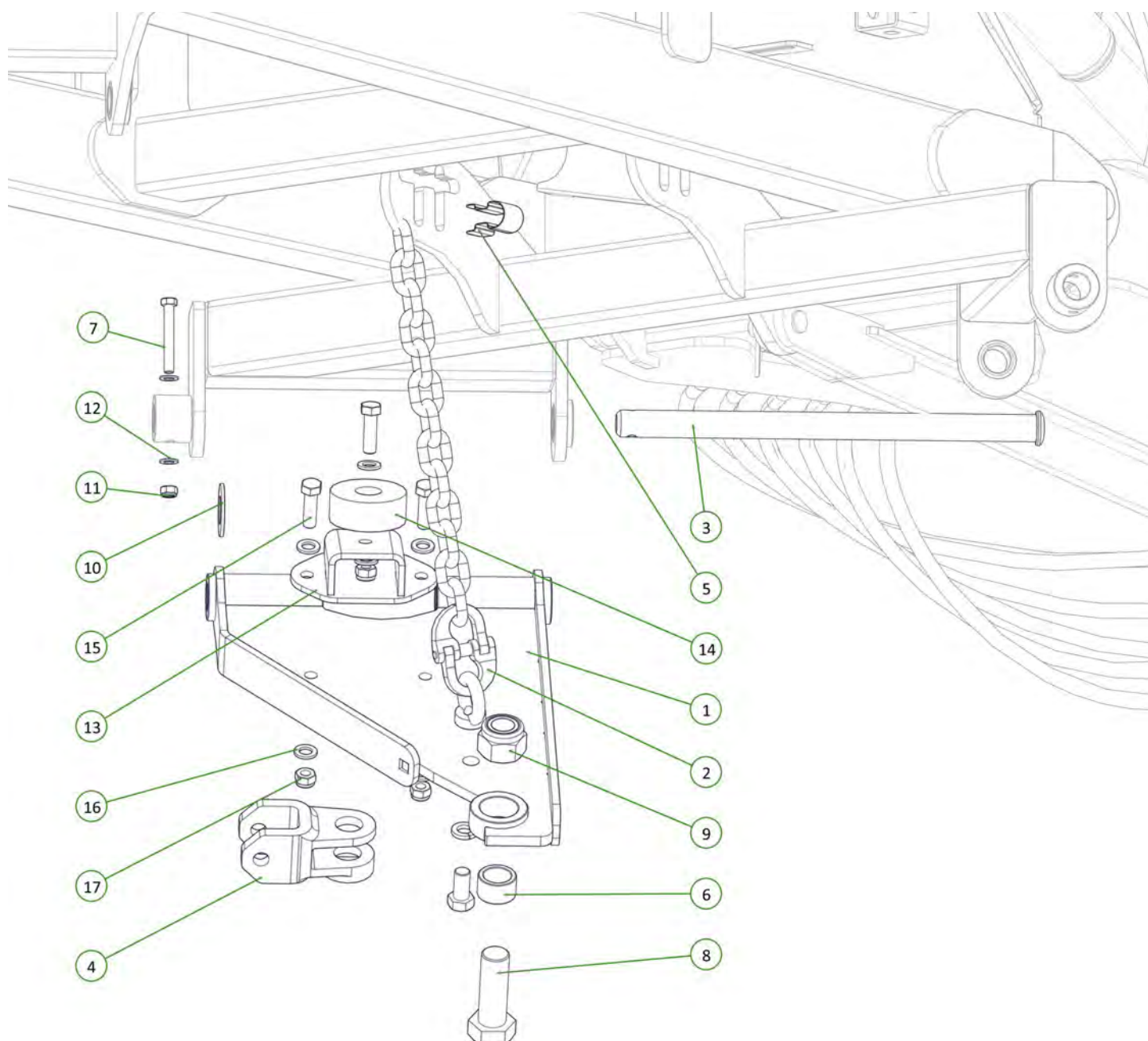


Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212



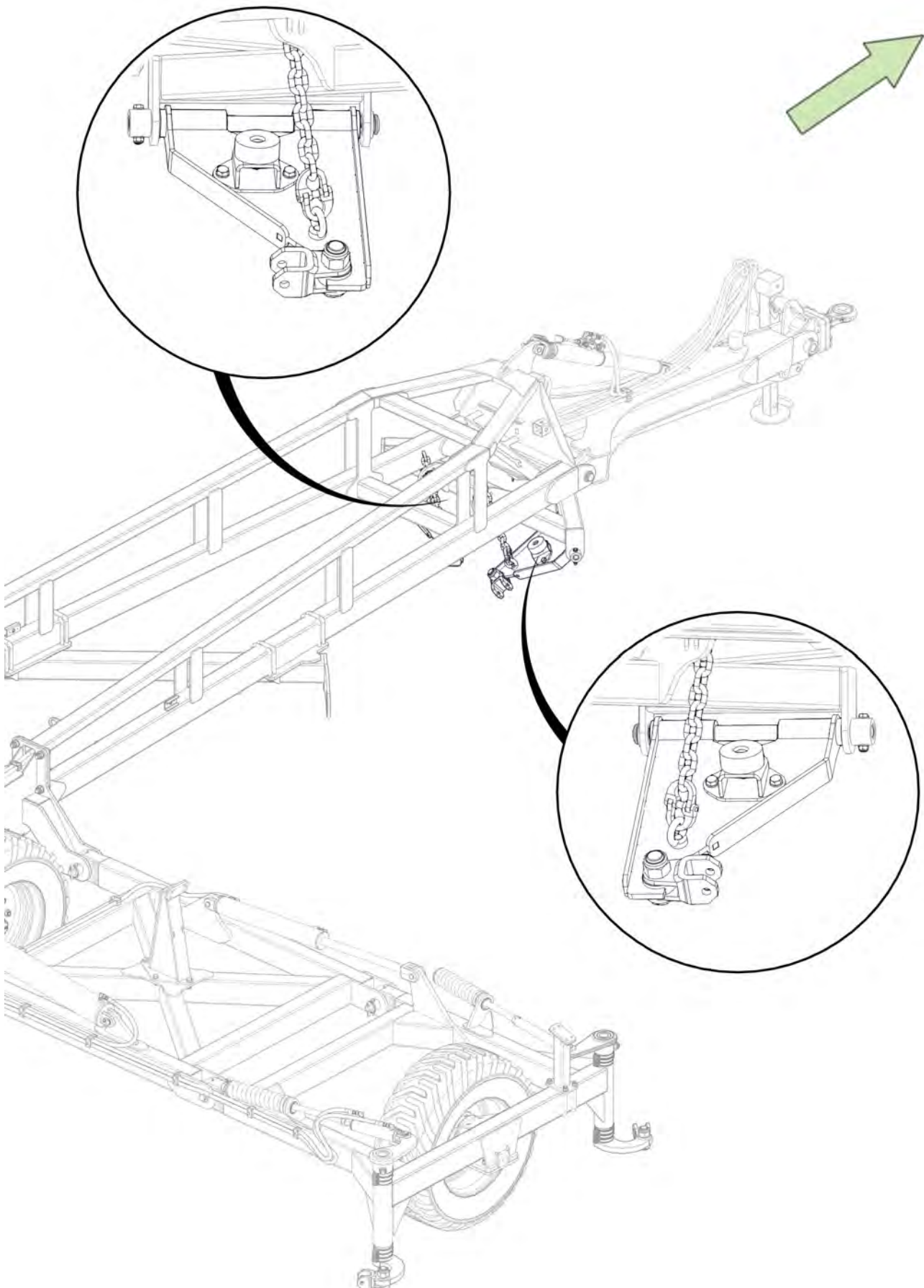
Item No.	Description	Qty	Number
1	C1 To Right Hand Wing Tension Retract	1	H9-27
2	C2 Tee To Right Hand Wing Tension Extend	1	H9-28



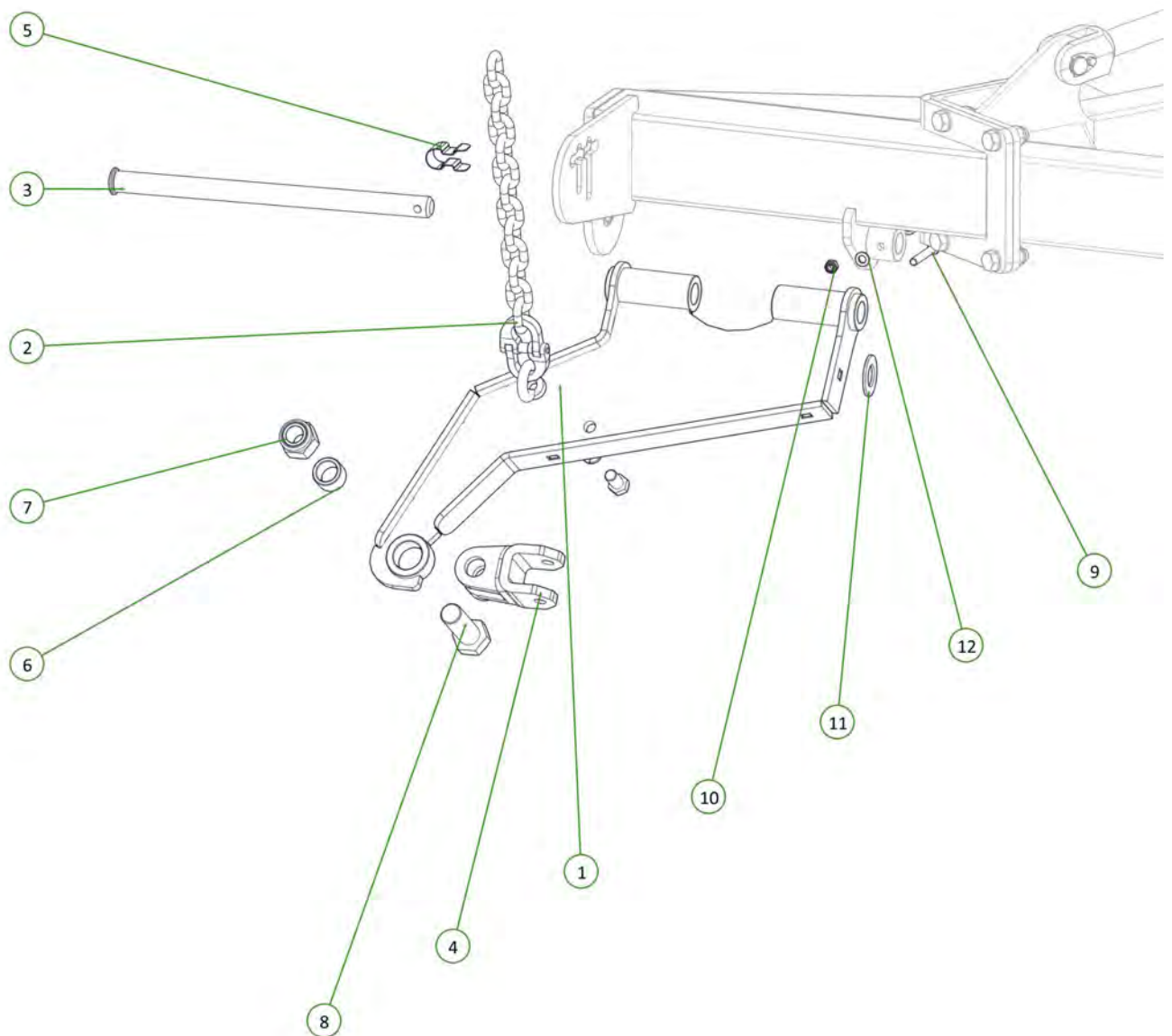
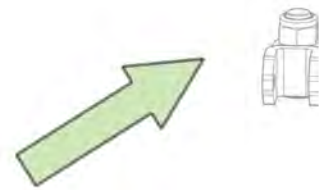


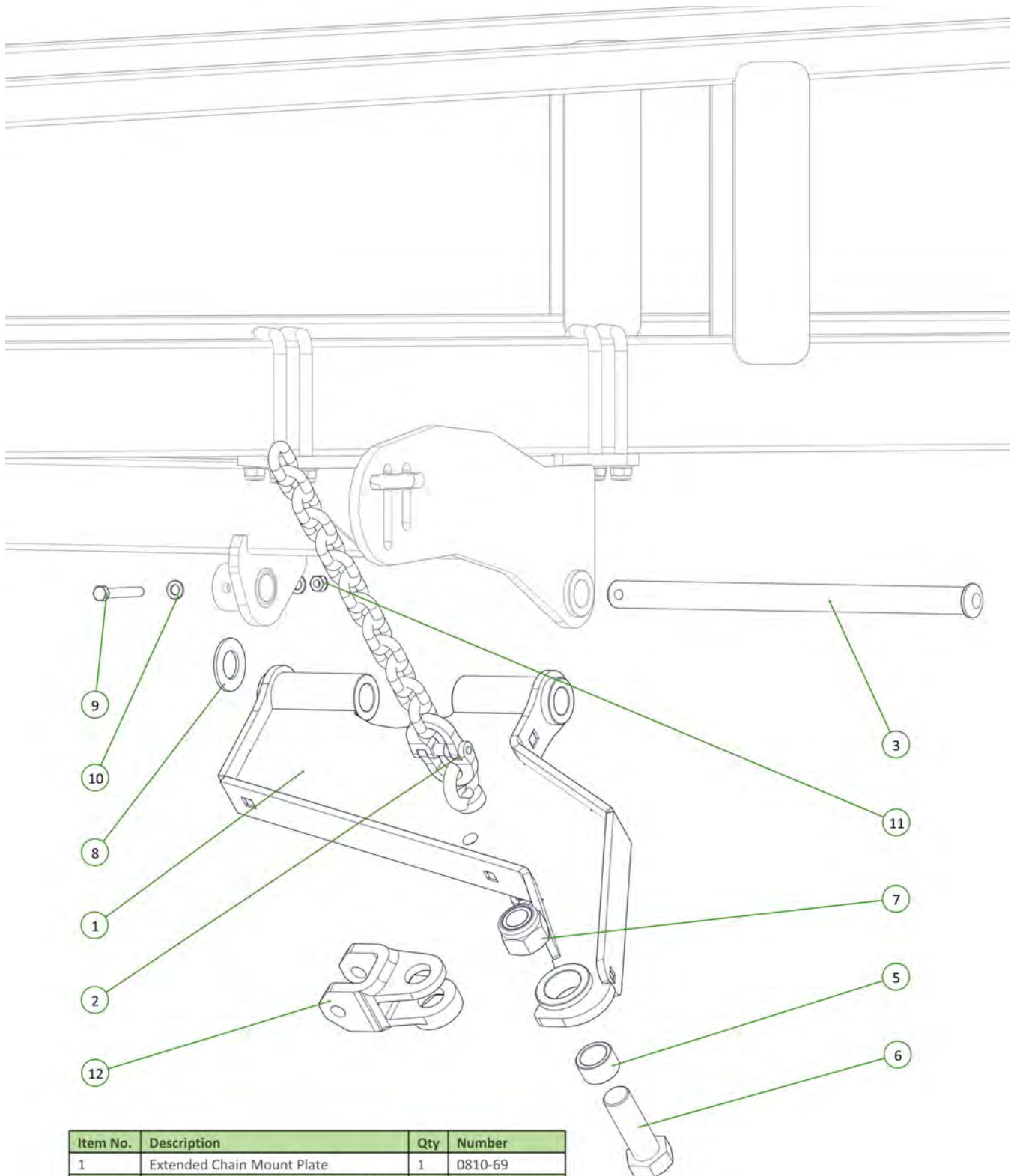
Item No.	Description	Qty	Number
1	Standard Chain Mount Plate	1	0810-20E
2	Height Adjusting Chain Assembly 13 Link	1	0801-20MCA
3	Chain Mount Pivot Pin	1	0801-10-51
4	Forged Clevis 21mm Bolt Hole	1	0801-FC21
5	Height Adjustor Retaining Clip	1	0801-KE014
6	Stainless Steel Wear Bush	1	1501-365033-SS
7	M12 x 80 grade 8.8 ZP Bolt	1	0211-1280
8	M36 x 105 grade 8.8 zp Bolt	1	0211-36105
9	Nyloc Nut M36	1	0221-NYL36
10	Washer High Tensile 1 3/8"	1	0232-HT13-8
11	Nyloc Nut M12	1	0221-NYL12
12	Washer Flat M12	2	0231-F12
13	Buffer Mount	1	0810-43E
14	Wing Folding Buffer	1	1201-12
15	M16 x 55 Grade 8.8 ZP Bolt	3	0211-1655
16	Washer Flat M16	6	0231-F16
17	Nyloc Nut M16	3	0221-NYL16



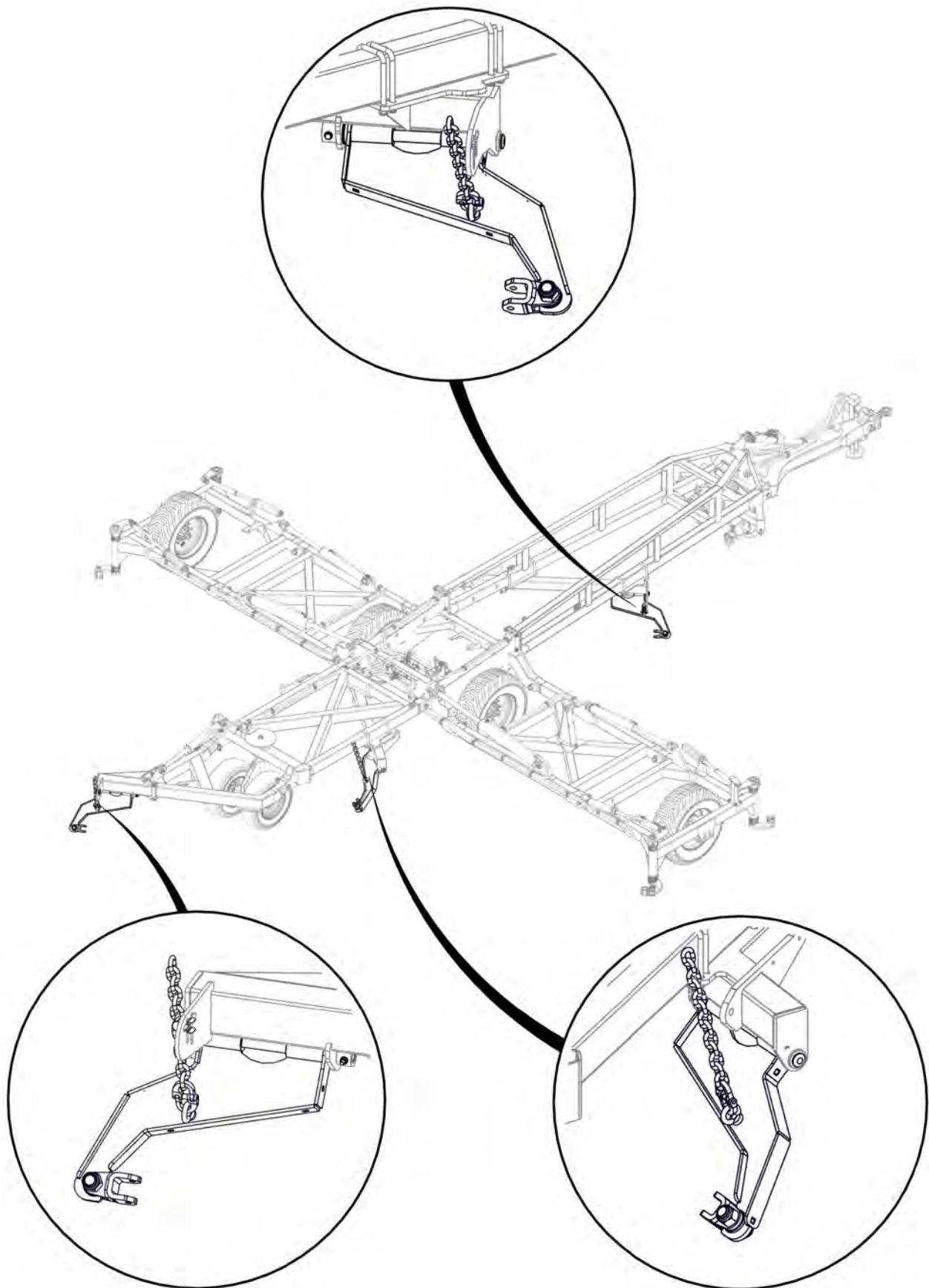


Item No.	Description	Qty	Number
1	Extended Chain Mount Plate	1	0810-69
2	Height Adjusting Chain Assembly 13 Link	1	0801-20MCA
3	Chain Mount Pivot Pin	1	0801-10-51
4	Forged Clevis 21mm Bolt Hole	1	0801-FC21
5	Height Adjustor Retaining Clip	1	0801-KE014
6	Stainless Steel Wear Bush	1	1501-365033-SS
7	Nyloc Nut M36	1	0221-NYL36
8	M36 x 105 grade 8.8 zp Bolt	1	0211-36105
9	M12 x 80 grade 8.8 ZP Bolt	1	0211-1280
10	Nyloc Nut M12	1	0221-NYL12
11	Washer High Tensile 1 3/8"	1	0232-HT13-8
12	Washer Flat M12	2	0231-F12

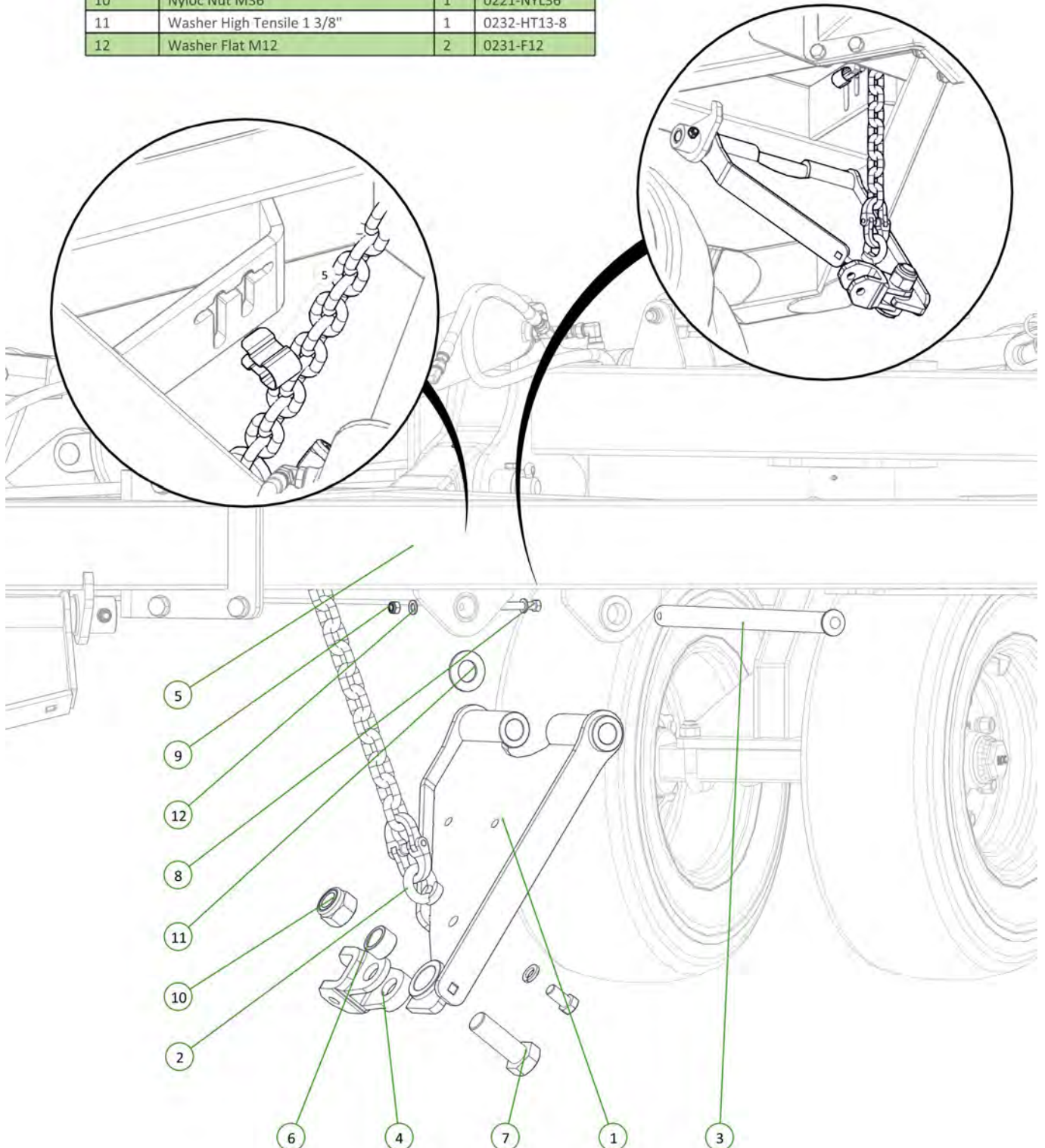




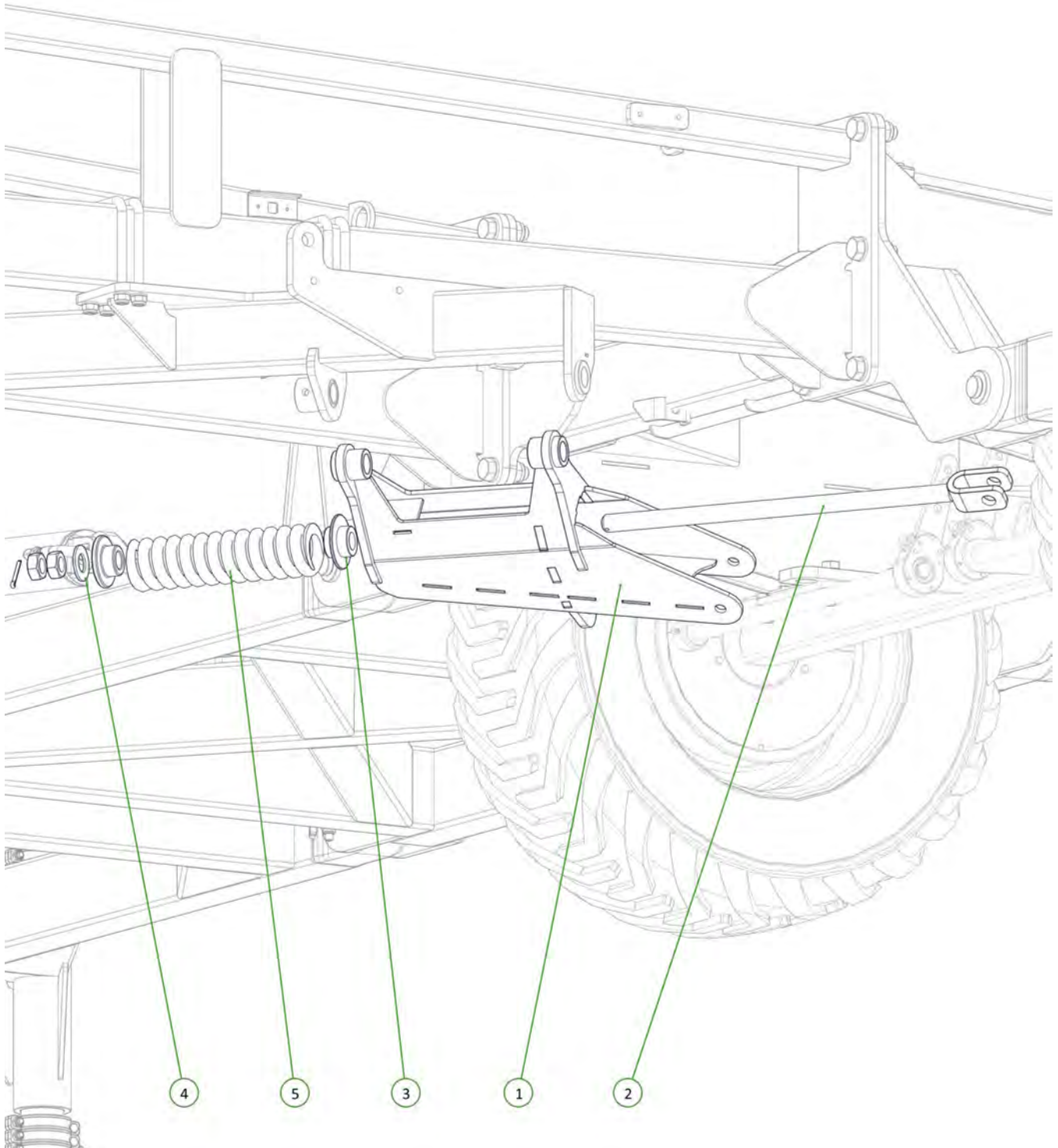
Item No.	Description	Qty	Number
1	Extended Chain Mount Plate	1	0810-69
2	Height Adjusting Chain Assembly 13 Link	1	0801-20MCA
3	Chain Mount Pivot Pin	1	0801-10-51
5	Wear Bush	1	1501-365033-SS
6	M36 x 105 Class 8.8 ZP Bolt	1	0211-36105
7	Nyloc Nut M36	1	0221-NYL36
8	Washer High Tensile 1 3/8"	1	0232-HT13-8
9	M12 x 80 Class 8.8 ZP Bolt	1	0211-1280
10	Washer Flat M12	2	0231-F12
11	Nyloc Nut M12	1	0221-NYL12
12	Forged Clevis 21mm Bolt Hole	1	0801-FC21



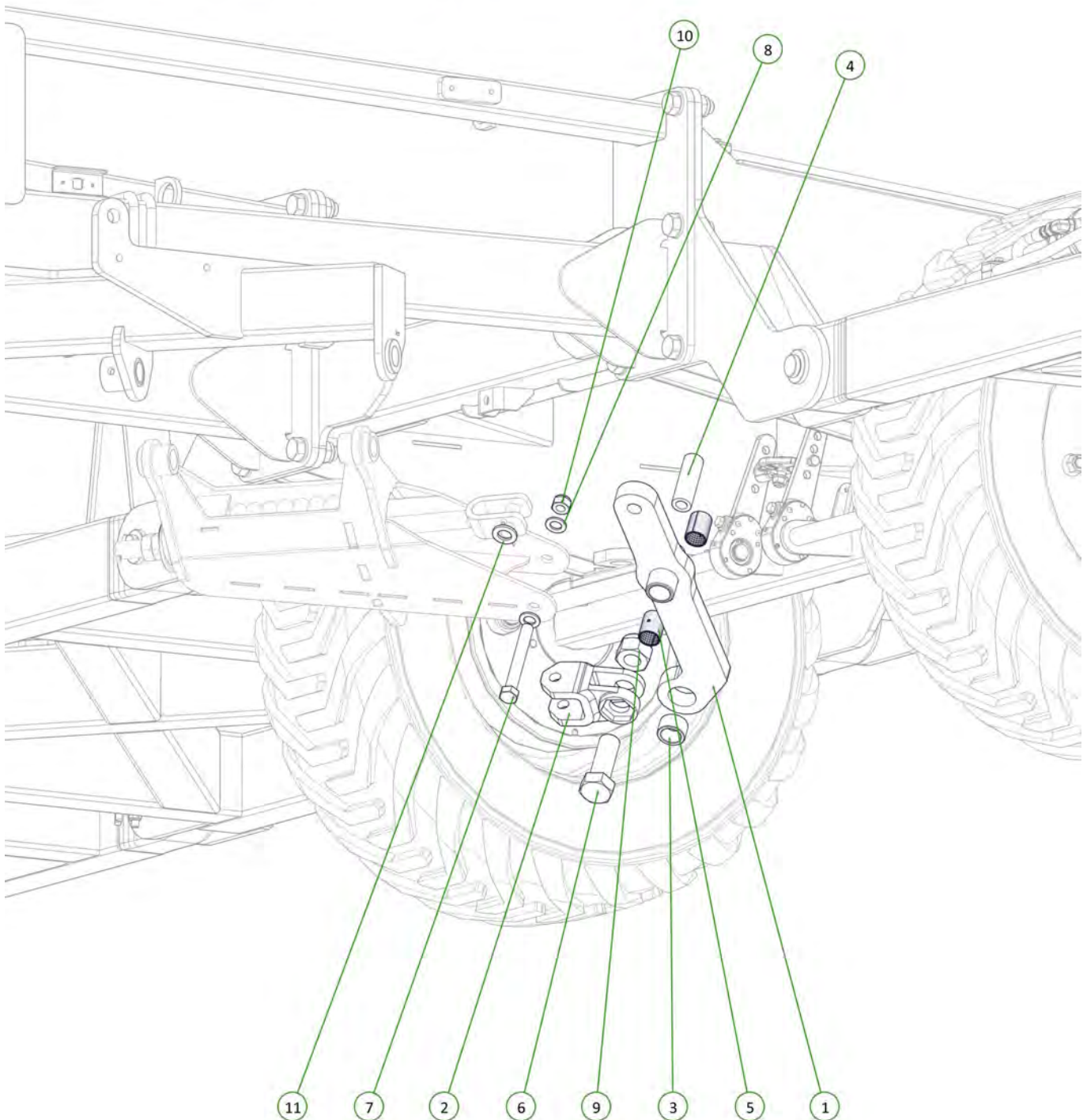
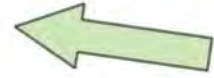
Item No.	Description	Qty	Number
1	Standard Chain Mount Plate	1	0810-20
2	Height Adjusting Chain Assembly 13 Link	1	0801-20MCA
3	Chain Mount Pivot Pin	1	0801-10-51
4	Forged Clevis 21mm Bolt Hole	1	0801-FC21
5	Height Adjustor Retaining Clip	1	0801-KE014
6	Stainless Steel Wear Bush	1	1501-365033-SS
7	M36 x 105 grade 8.8 zp Bolt	1	0211-36105
8	M12 x 80 grade 8.8 ZP Bolt	1	0211-1280
9	Nyloc Nut M12	1	0221-NYL12
10	Nyloc Nut M36	1	0221-NYL36
11	Washer High Tensile 1 3/8"	1	0232-HT13-8
12	Washer Flat M12	2	0231-F12



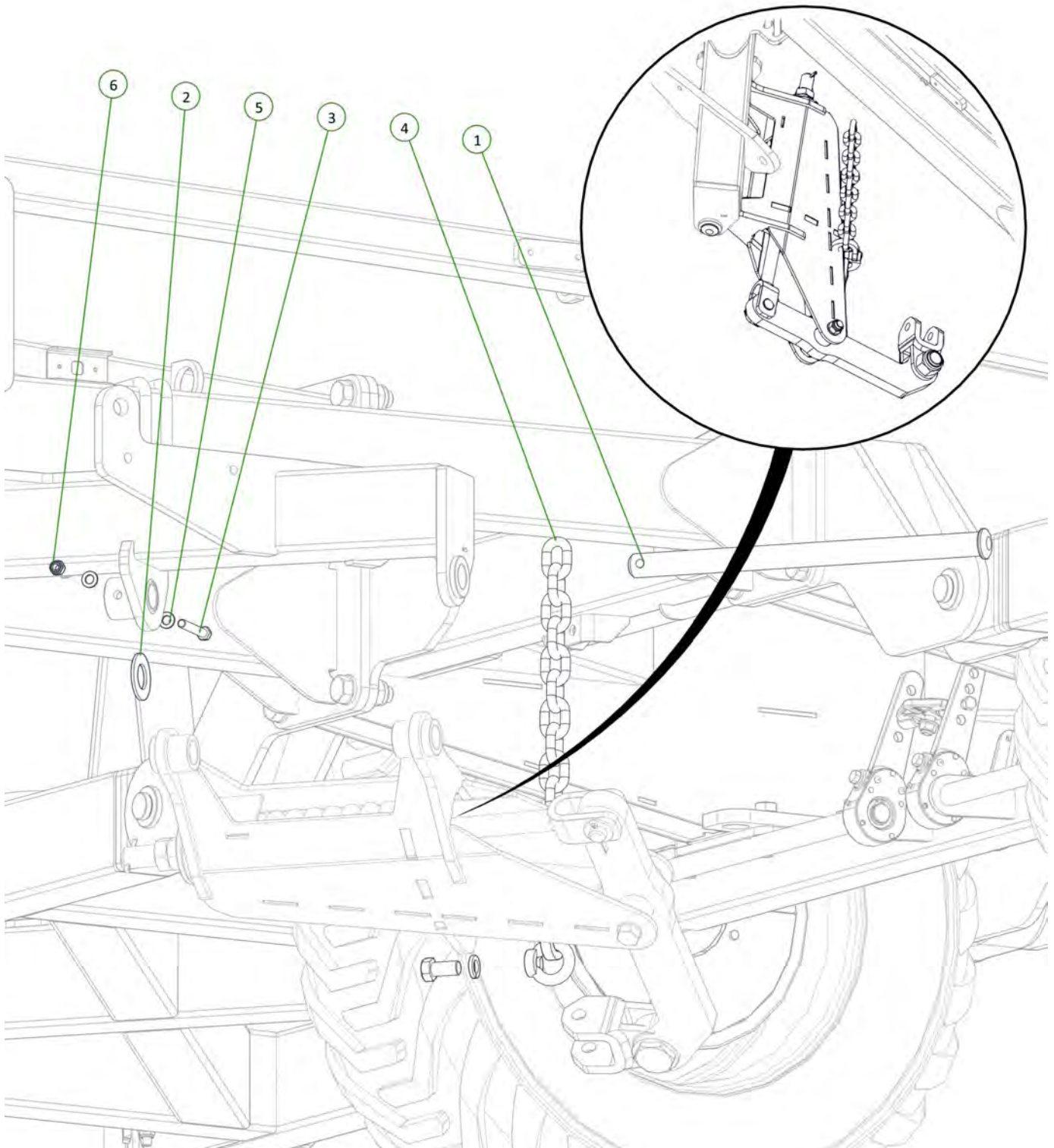
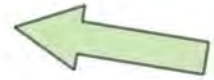
Item No.	Description	Qty	Number
1	Tension Box	1	0810-57E
2	Module Tension Rod Assembly	1	0810-105A
3	Rigid Spring Locator	1	0801-10-S2L
4	Washer High Tensile 1 1/4"	1	0232-HT11-4
5	20mm Compression Spring	1	0801-XK9261S

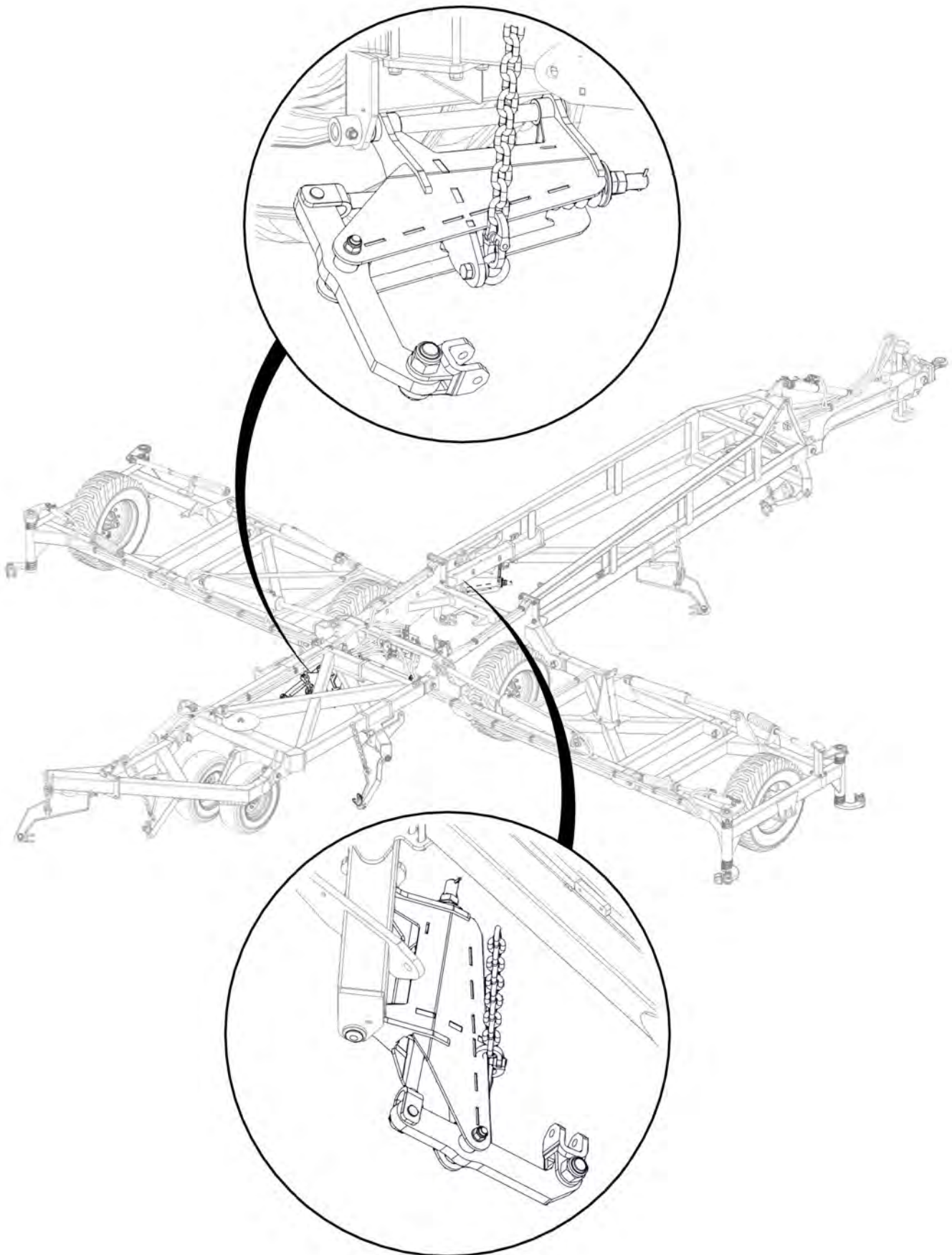


Item No.	Description	Qty	Number
1	Module Tension Arm No Clevis	1	0810-104F
2	Forged Clevis 21mm Bolt Hole	1	0801-FC21
3	Wear Bush	1	1501-365033-SS
4	Module Pivot Arm Bush	1	0801-10-110
5	35 ID x 50mm DX Bush	2	0113-MB3550DX
6	M36 x 105 Class 8.8 ZP Bolt	1	0211-36105
7	M20 x 160 Grade 8.8 ZP Bolt	1	0211-20160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

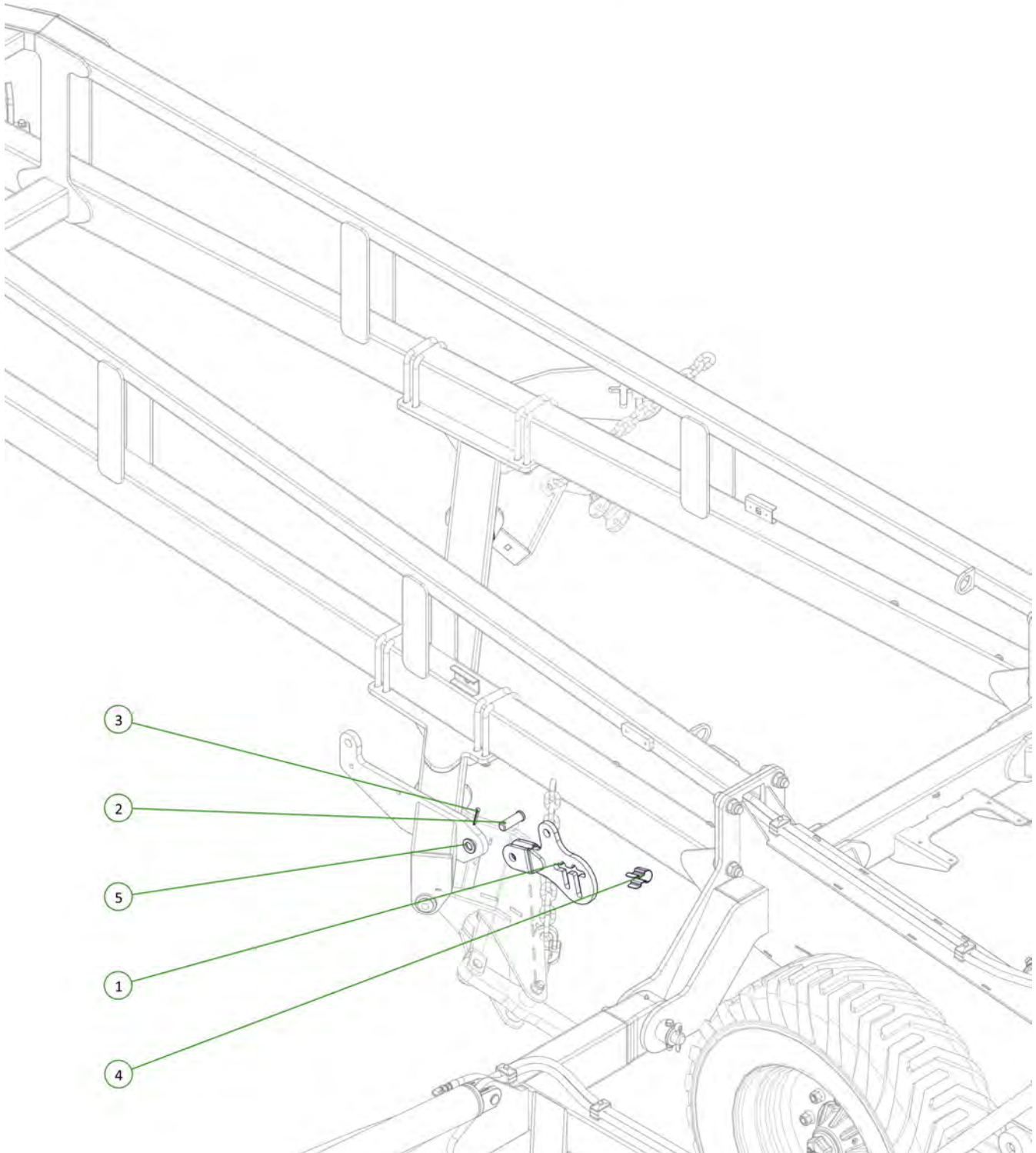


Item No.	Description	Qty	Number
1	Chain Mount Pivot Pin	1	0801-10-51
2	Washer High Tensile 1 3/8"	1	0232-HT13-8
3	M12 x 80 Class 8.8 ZP Bolt	1	0211-1280
4	Height Adjusting Chain Assembly 13 Link	1	0801-20MCA
5	Washer Flat M12	2	0231-F12
6	Nyloc Nut M12	1	0221-NYL12

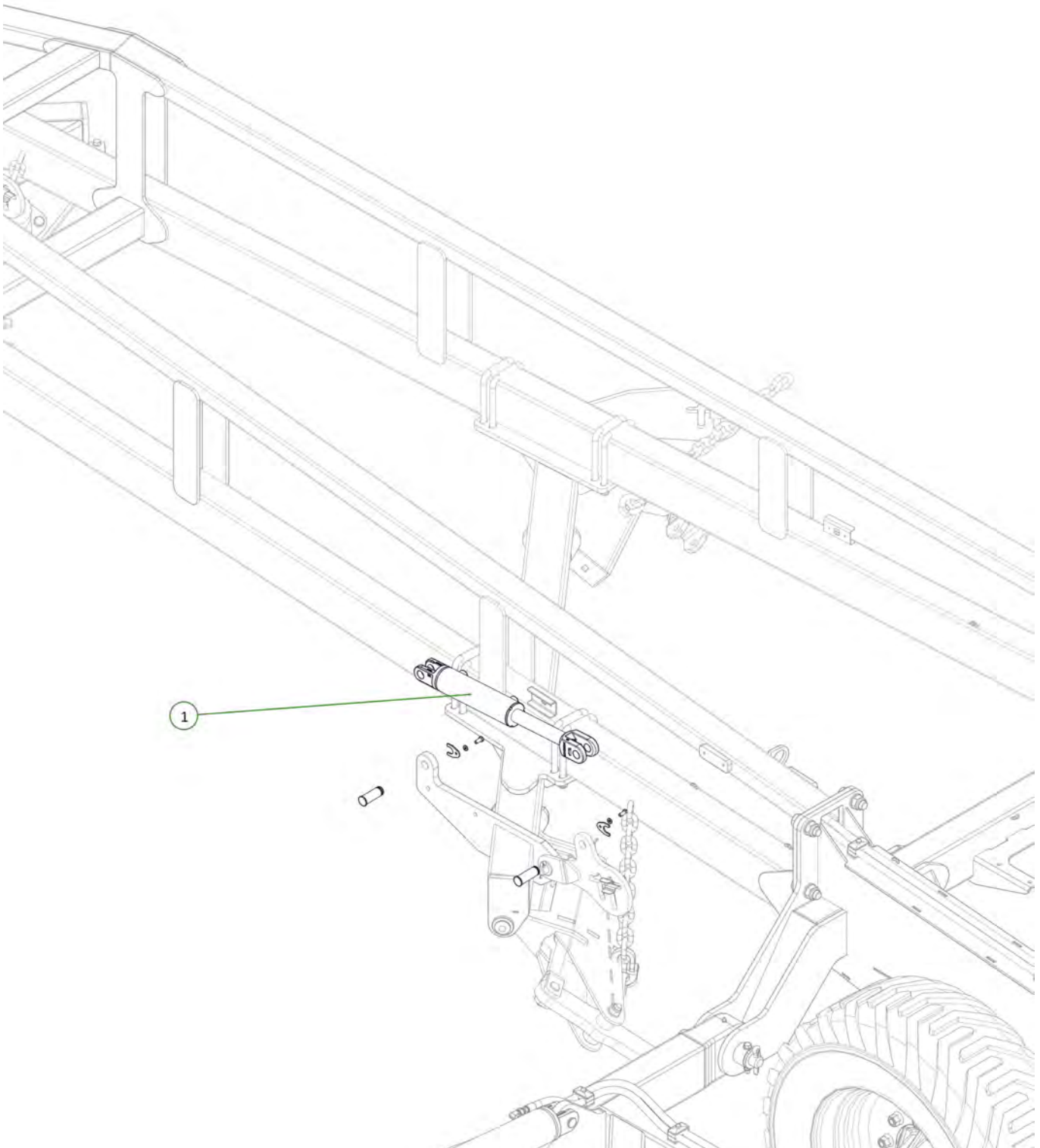
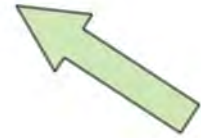




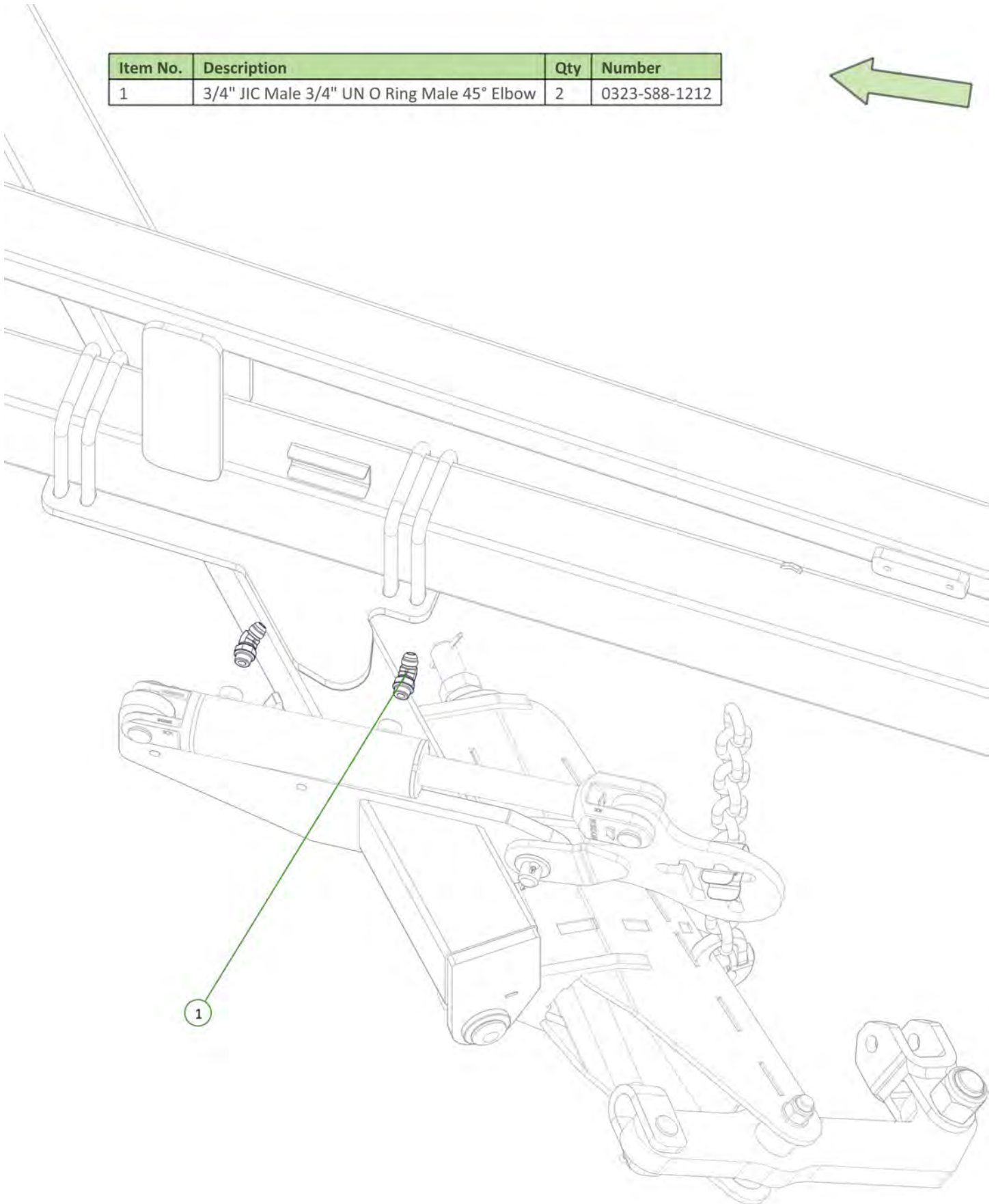
Item No.	Description	Qty	Number
1	Compact Module Lift Arm	1	0810-51E
2	Clevis Pin 25mm x 75mm	1	0801-KE0307-1
3	Cotter Pin M5 x 50	1	0261-PINC550
4	Height Adjustor Retaining Clip	1	0801-KE014
5	Washer Flat M24	1	0231-F24



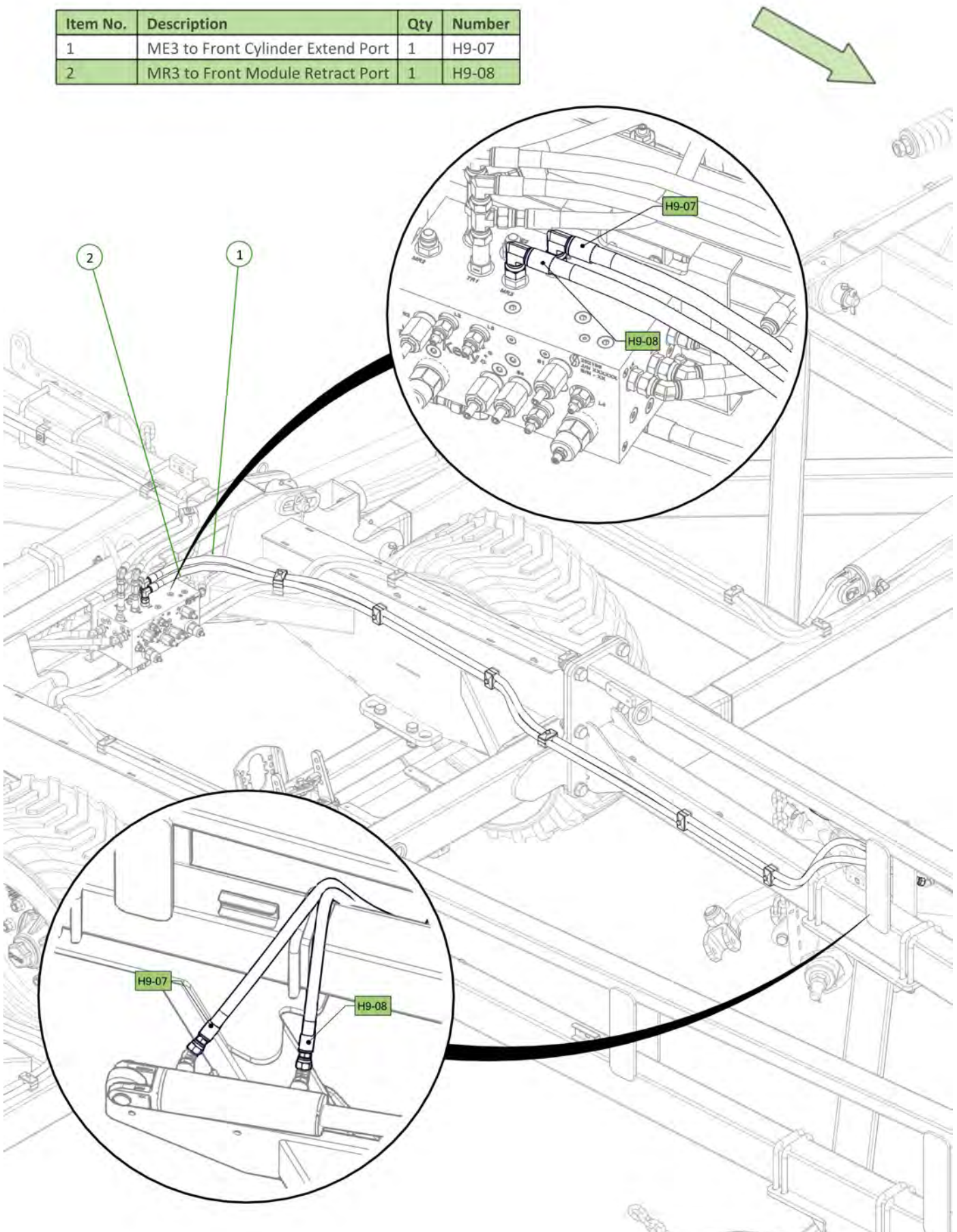
Item No.	Description	Qty	Number
1	2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder	1	0311-256SP

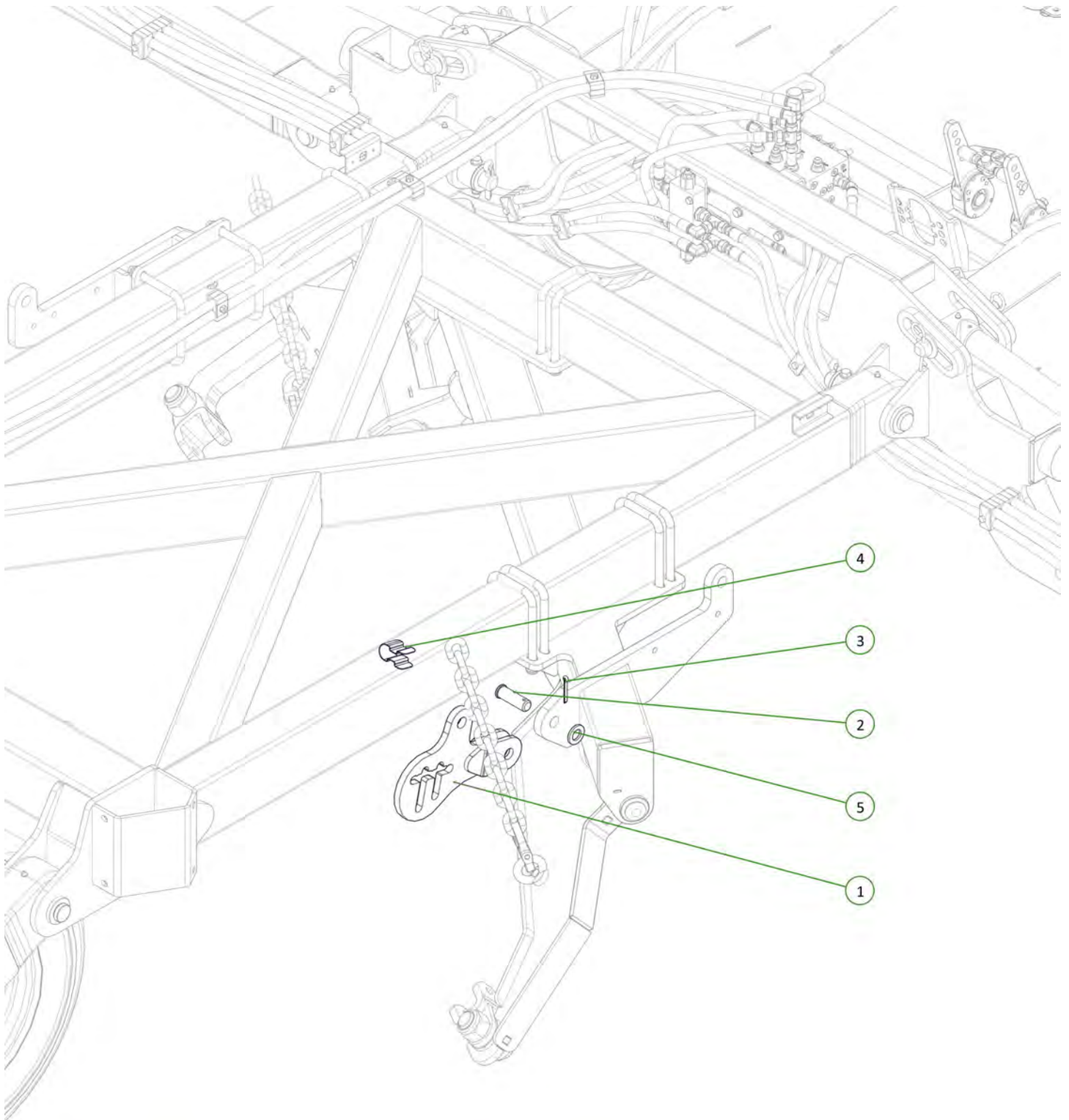


Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 45° Elbow	2	0323-S88-1212



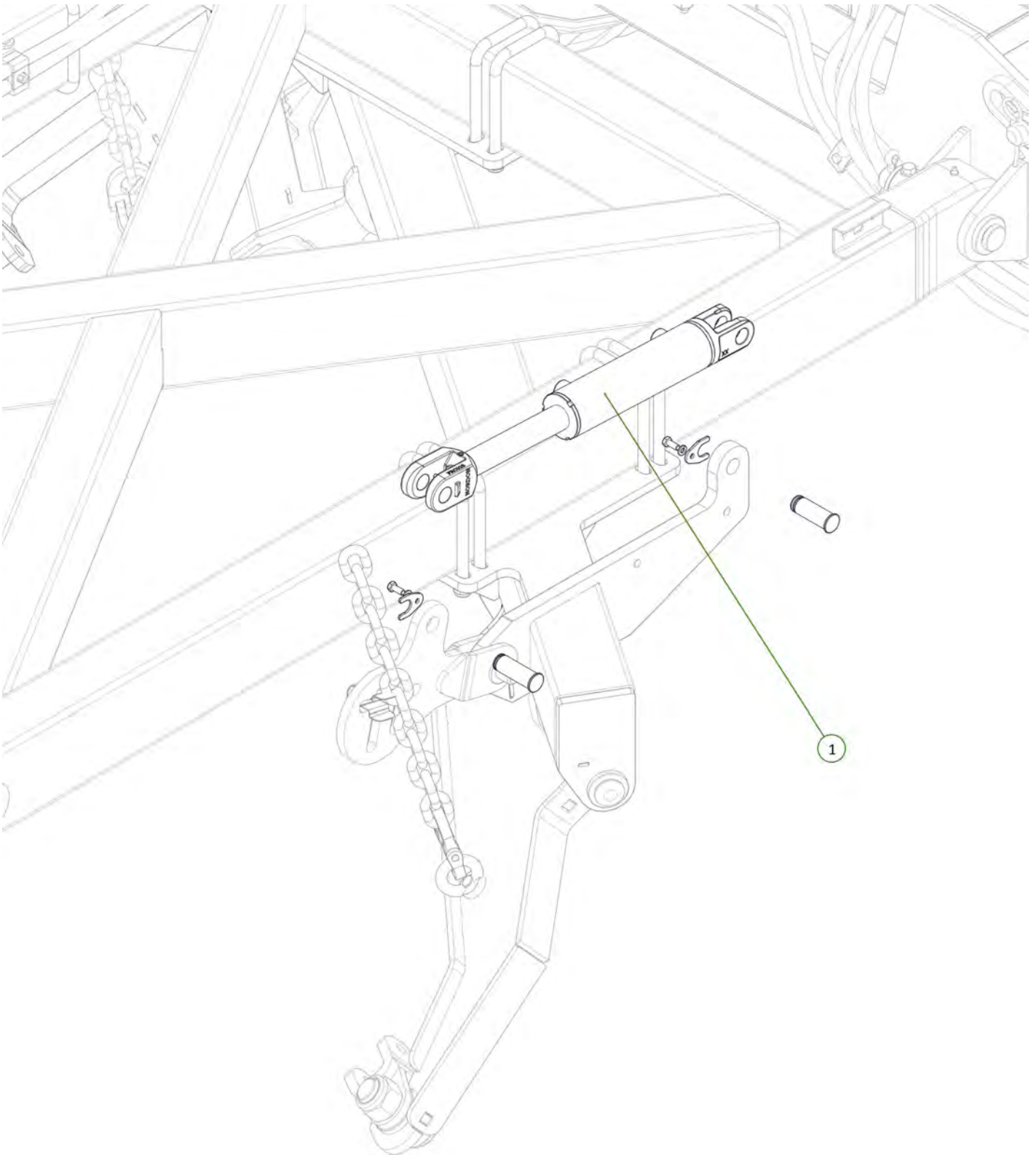
Item No.	Description	Qty	Number
1	ME3 to Front Cylinder Extend Port	1	H9-07
2	MR3 to Front Module Retract Port	1	H9-08





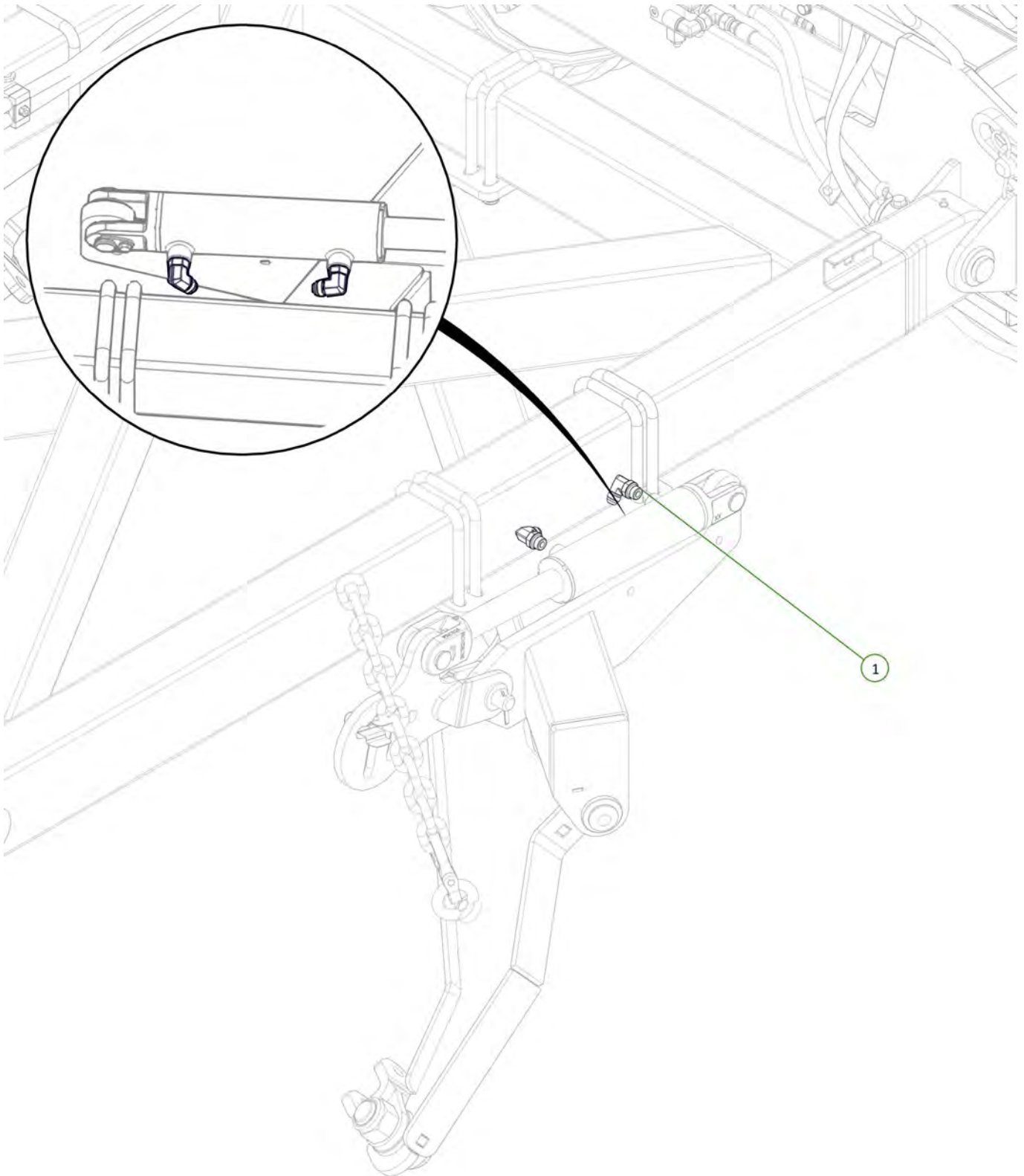
Item No.	Description	Qty	Number
1	Compact Module Lift Arm	1	0810-51E
2	Clevis Pin 25mm x 75mm	1	0801-KE0307-1
3	Cotter Pin M6 x 50mm	1	0261-PINC650
4	Height Adjustor Retaining Clip	1	0801-KE014
5	Washer Flat M24	1	0231-F24





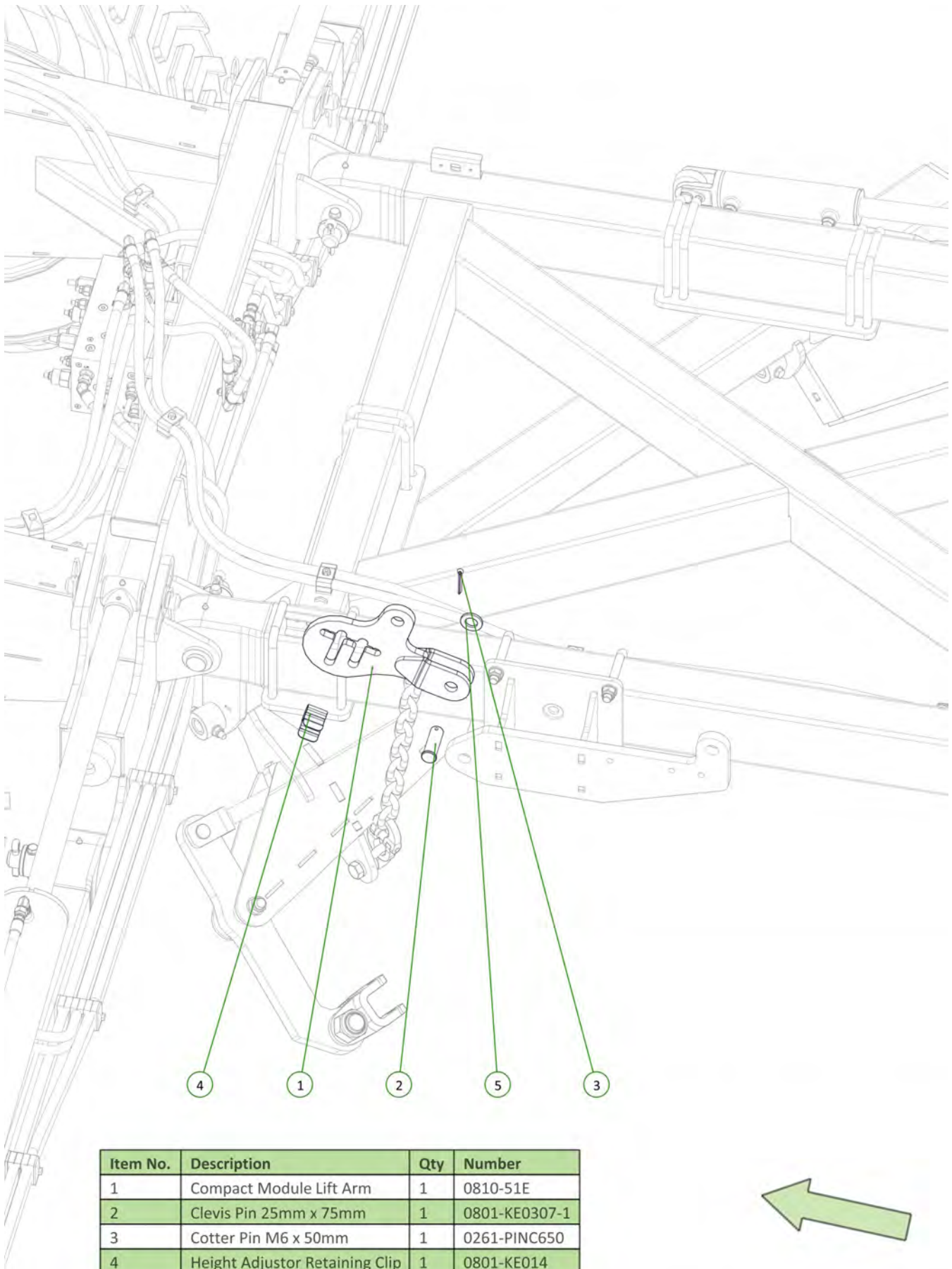
Item No.	Description	Qty	Number
1	2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder	1	0311-256SP





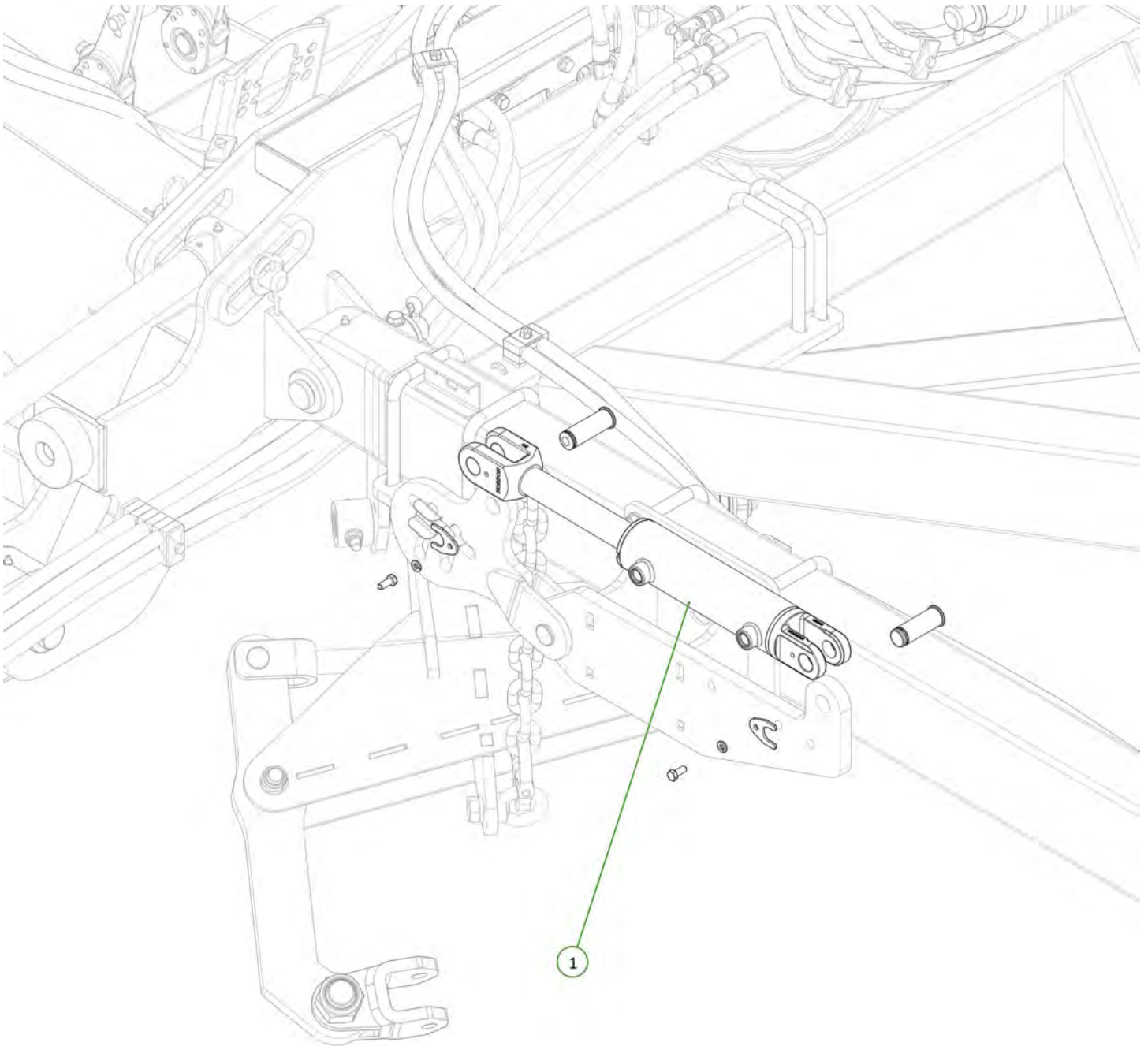
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212



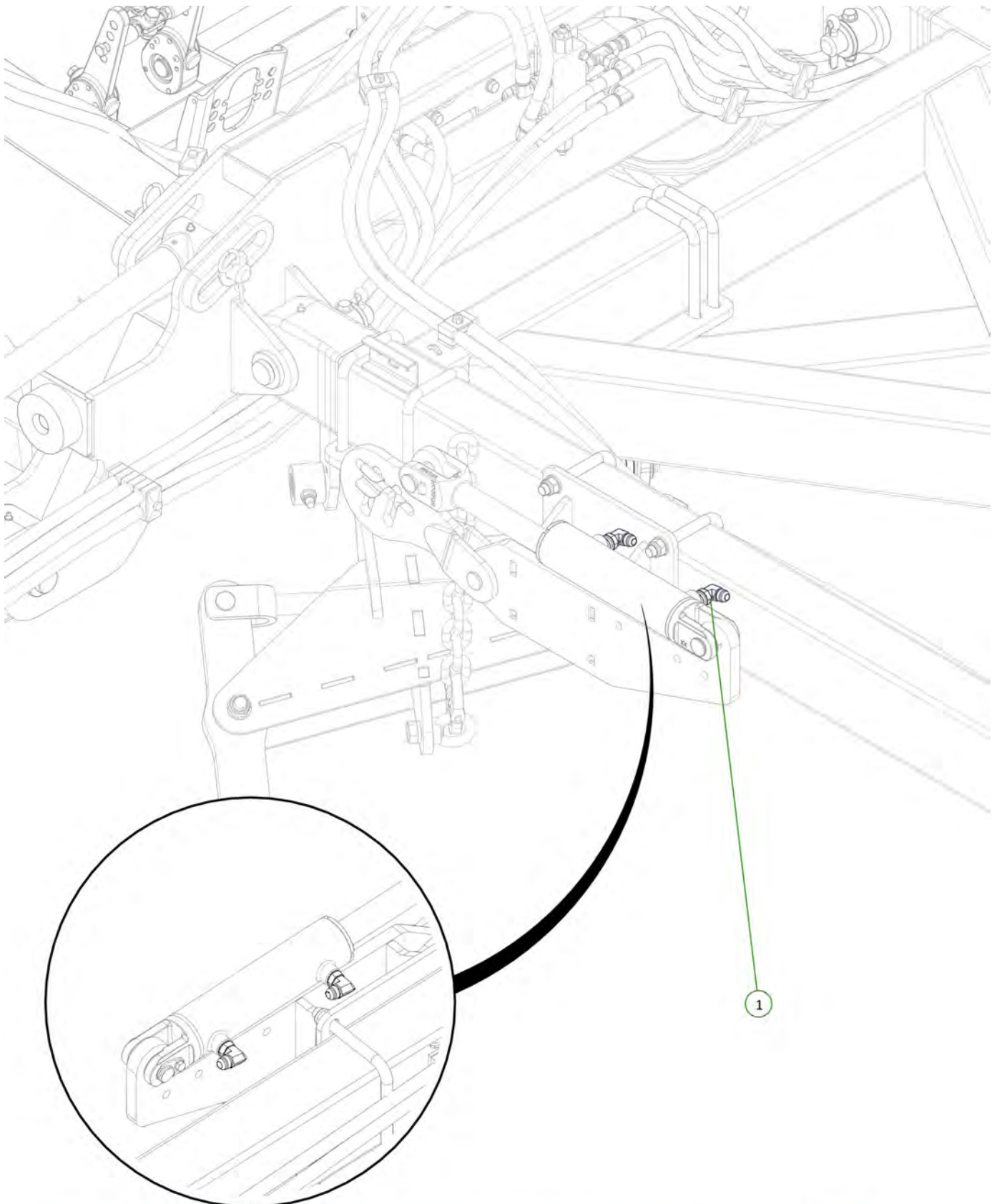


Item No.	Description	Qty	Number
1	Compact Module Lift Arm	1	0810-51E
2	Clevis Pin 25mm x 75mm	1	0801-KE0307-1
3	Cotter Pin M6 x 50mm	1	0261-PINC650
4	Height Adjustor Retaining Clip	1	0801-KE014
5	Washer Flat M24	1	0231-F24



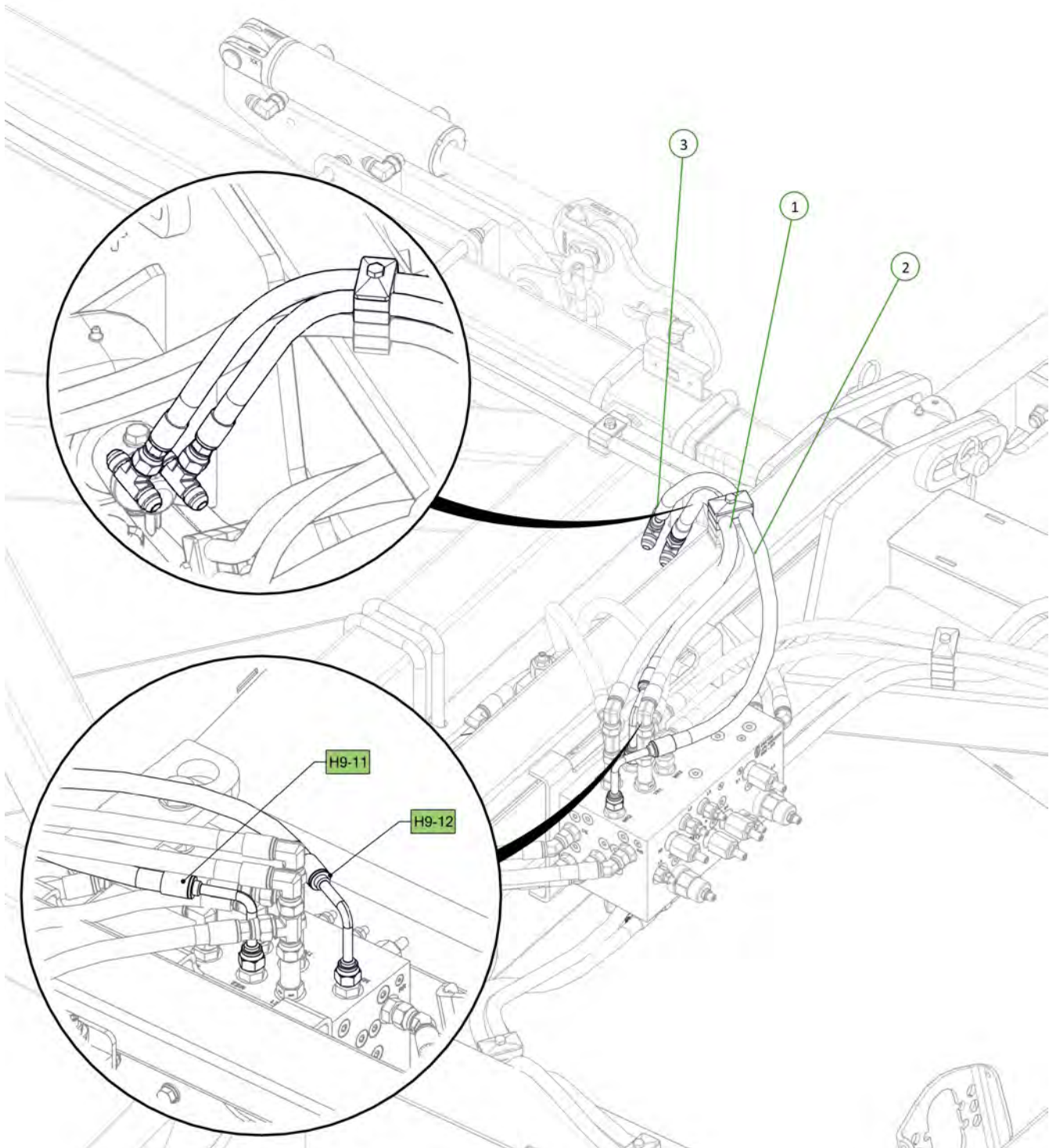


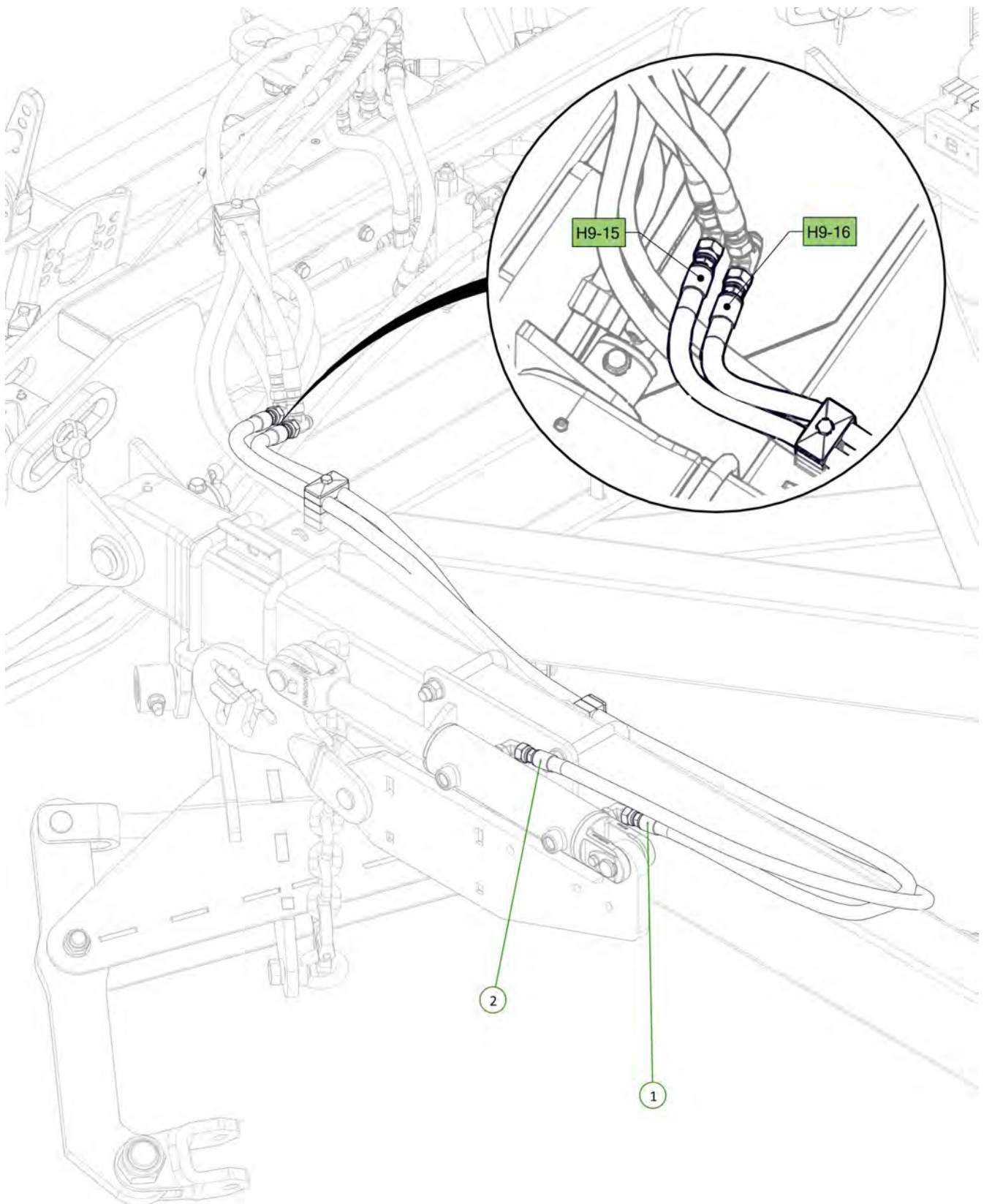
Item No.	Description	Qty	Number
1	2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder	1	0311-256SP



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

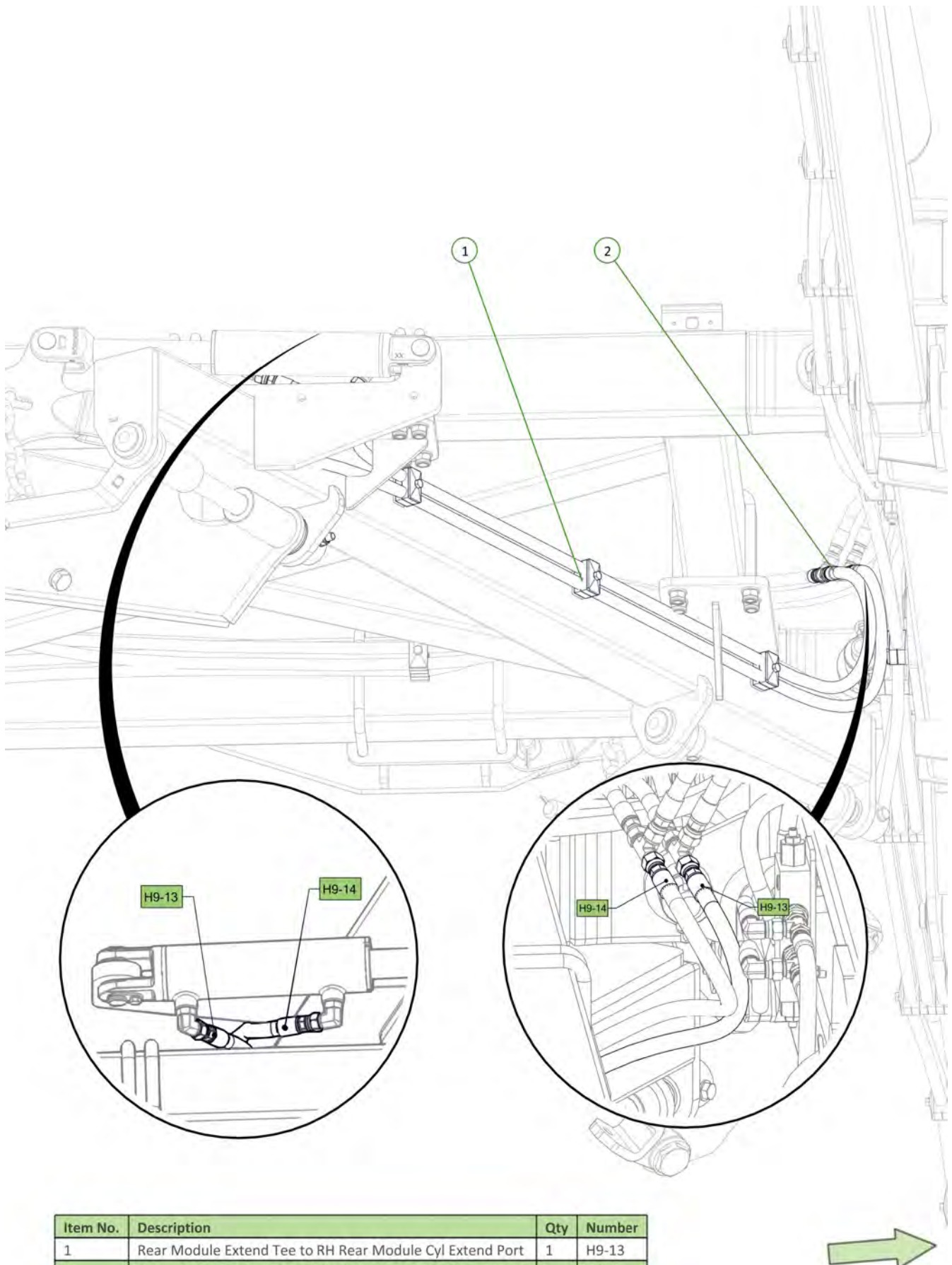
Item No.	Description	Qty	Number
1	ME2 Port to Rear Module Extend Tee	1	H9-11
2	MR2 Port to Rear Module Retract Tee	1	H9-12
3	3/4" JIC Male Tee 3/4" JIC Male Tee 3/4" JIC Male Tee	2	0324-S19-121212

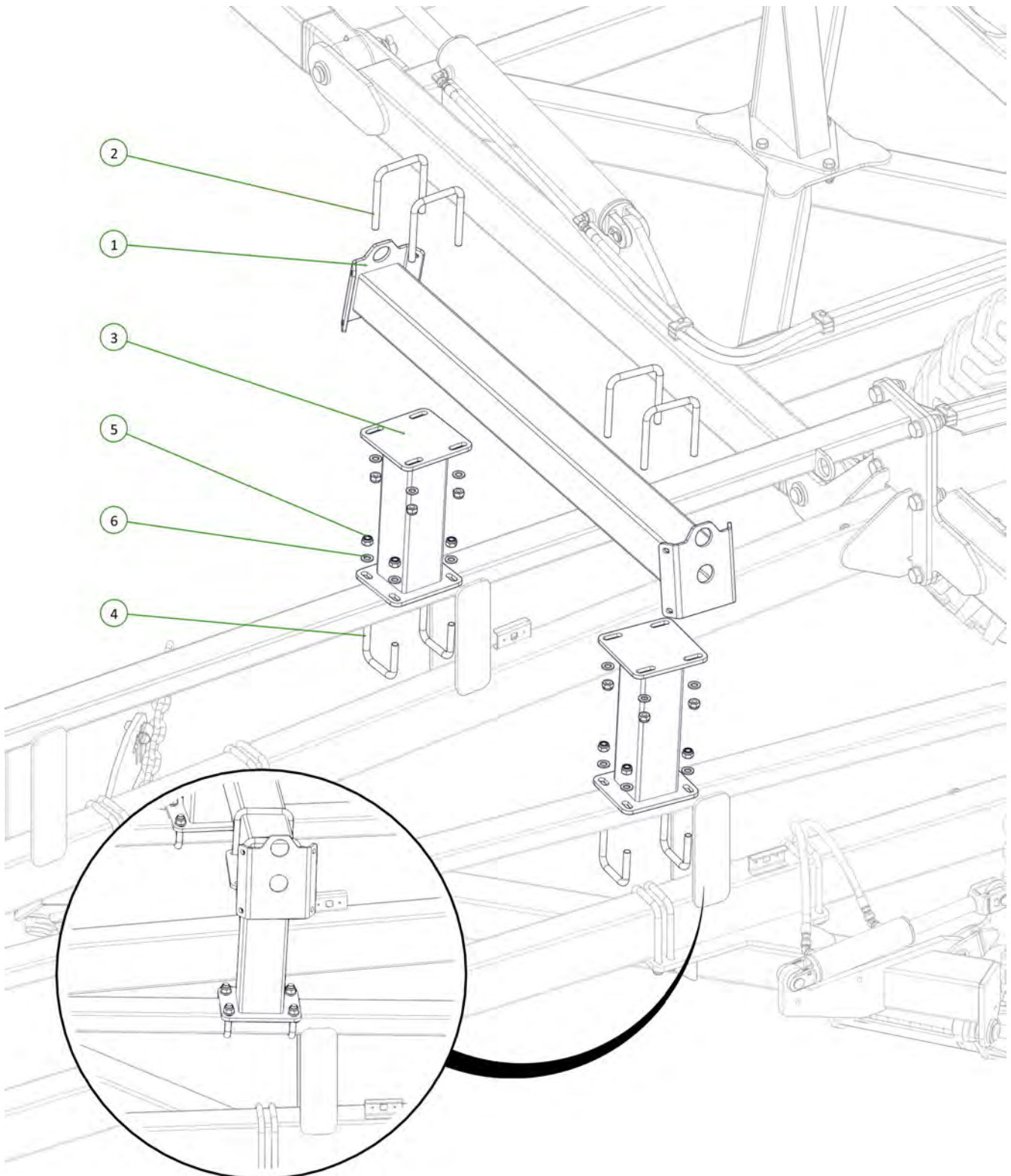




Item No.	Description	Qty	Number
1	Rear Module Extend Tee to LH Rear Module Cyl Extend Port	1	H9-15
2	Rear Module Retract Tee to LH Rear Module Cyl Retract Port	1	H9-16

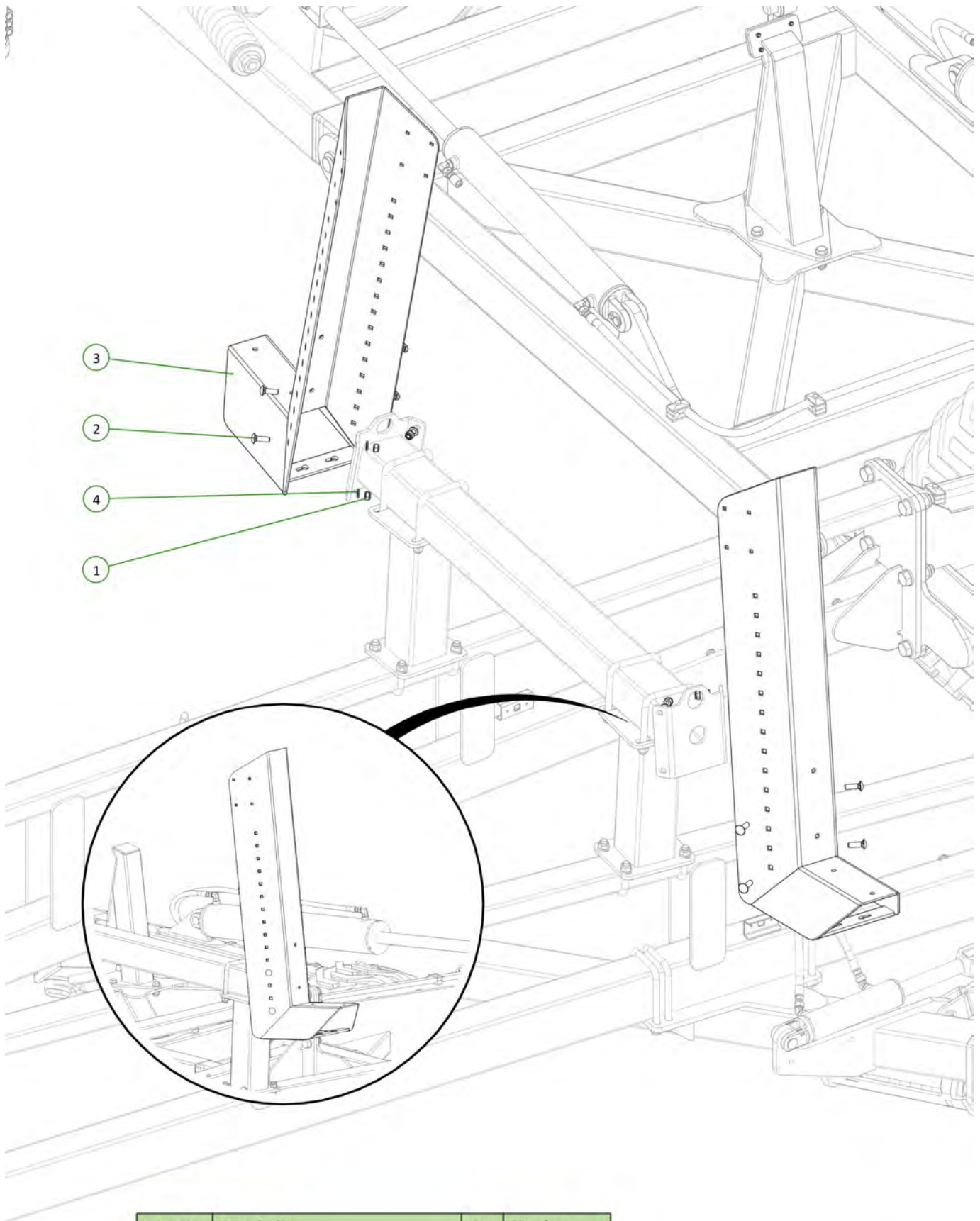




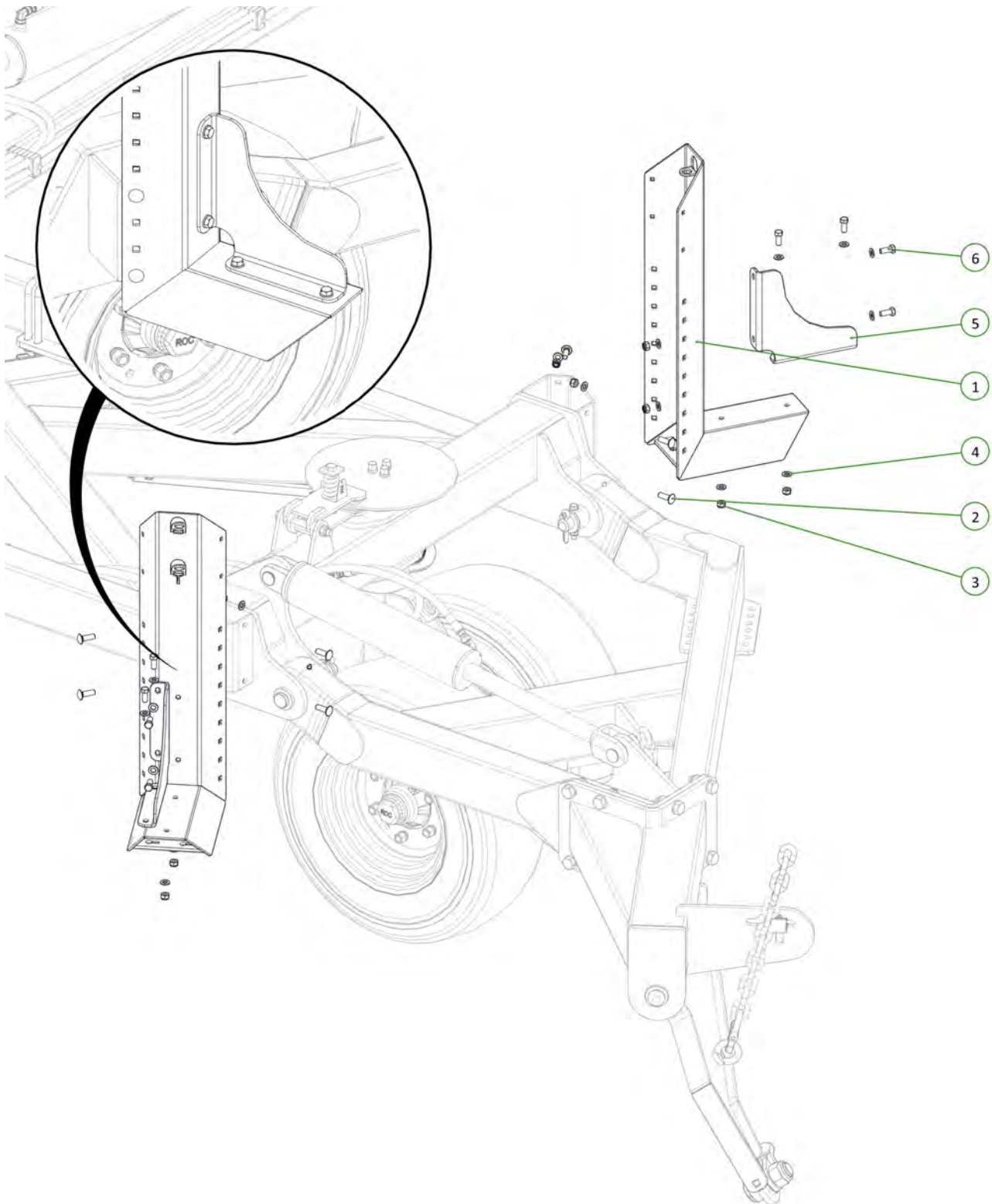


Item No.	Description	Qty	Number
1	Chain Carrier Beam	1	0810-61E
2	U-Bolt M16 x 160 Deep x 127 Wide	4	0271-16160127
3	400mm Pedestal	2	0810-59
4	U-Bolt M16 x 95 Deep x 102 Wide	4	0271-1695102
5	Nyloc Nut M16	16	0221-NYL16
6	Washer Flat M16	16	0231-F16



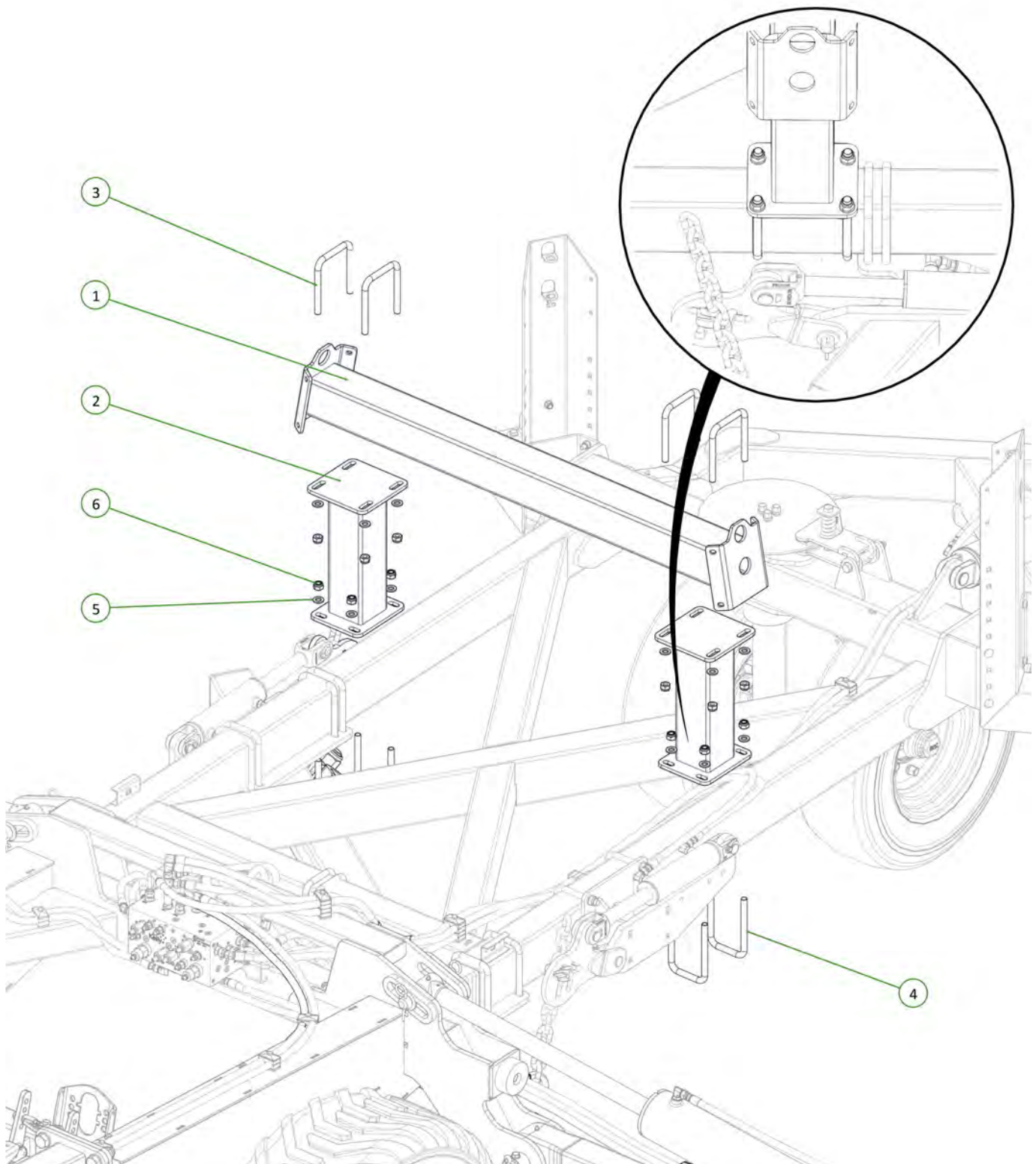


Item No.	Description	Qty	Number
1	Nyloc Nut M12	7	0221-NYL12
2	M12 x 40 Coach Head Bolt	8	0215-CH1240
3	Extended Chain Carrier Bolt on End	2	0810-17LEE
4	Washer Flat M12	7	0231-F12

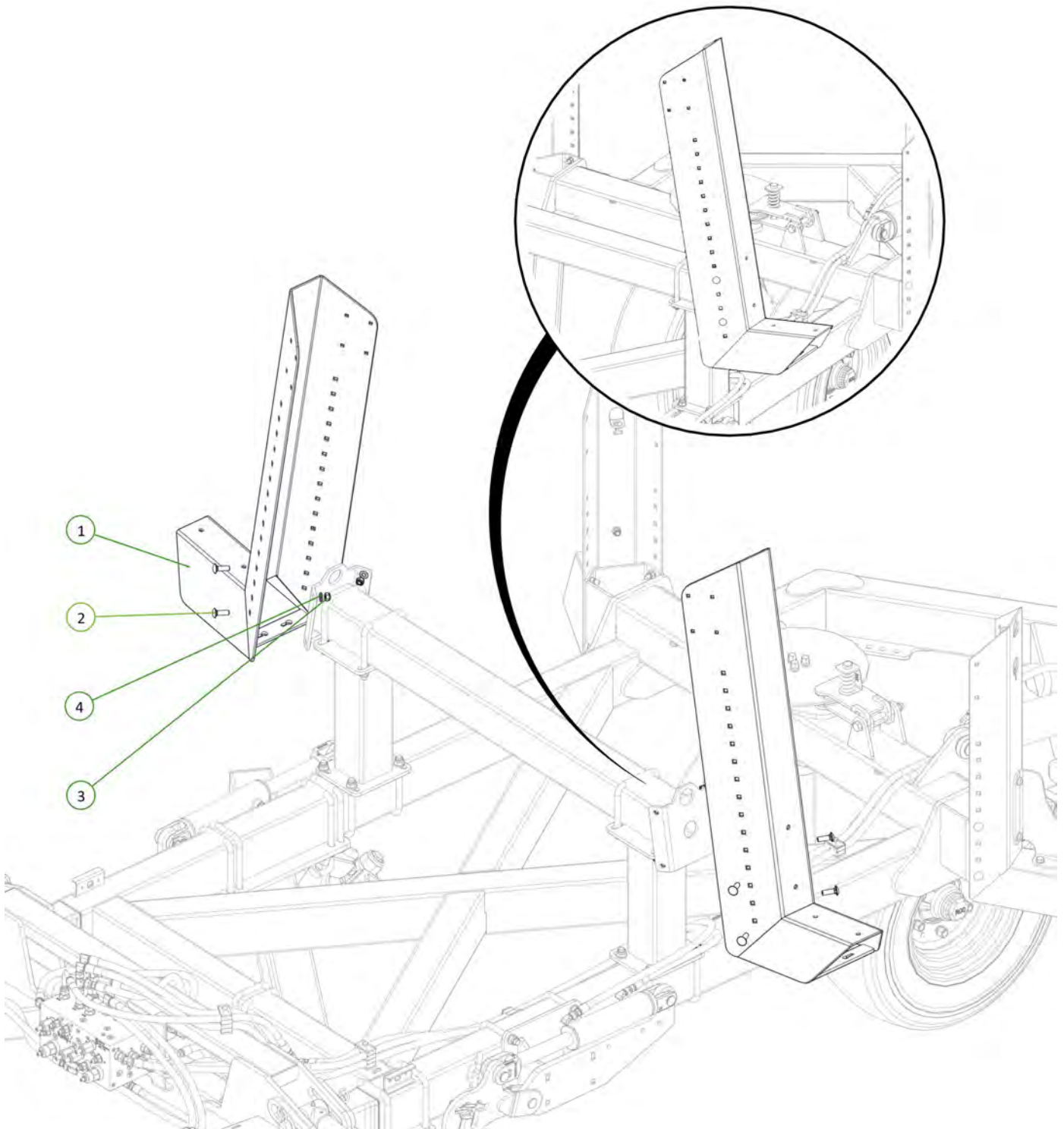
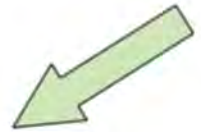


Item No.	Description	Qty	Number
1	Chain Carrier Bolt on End	2	0810-17L
2	M12 x 40 Coach Head Bolt	8	0215-CH1240
3	Nyloc Nut M12	16	0221-NYL12
4	Washer Flat M12	24	0231-F12
5	Chain Retainer Plate	2	0800-360
6	M12 x 30 Class 8.8 ZP Bolt	8	0211-1230

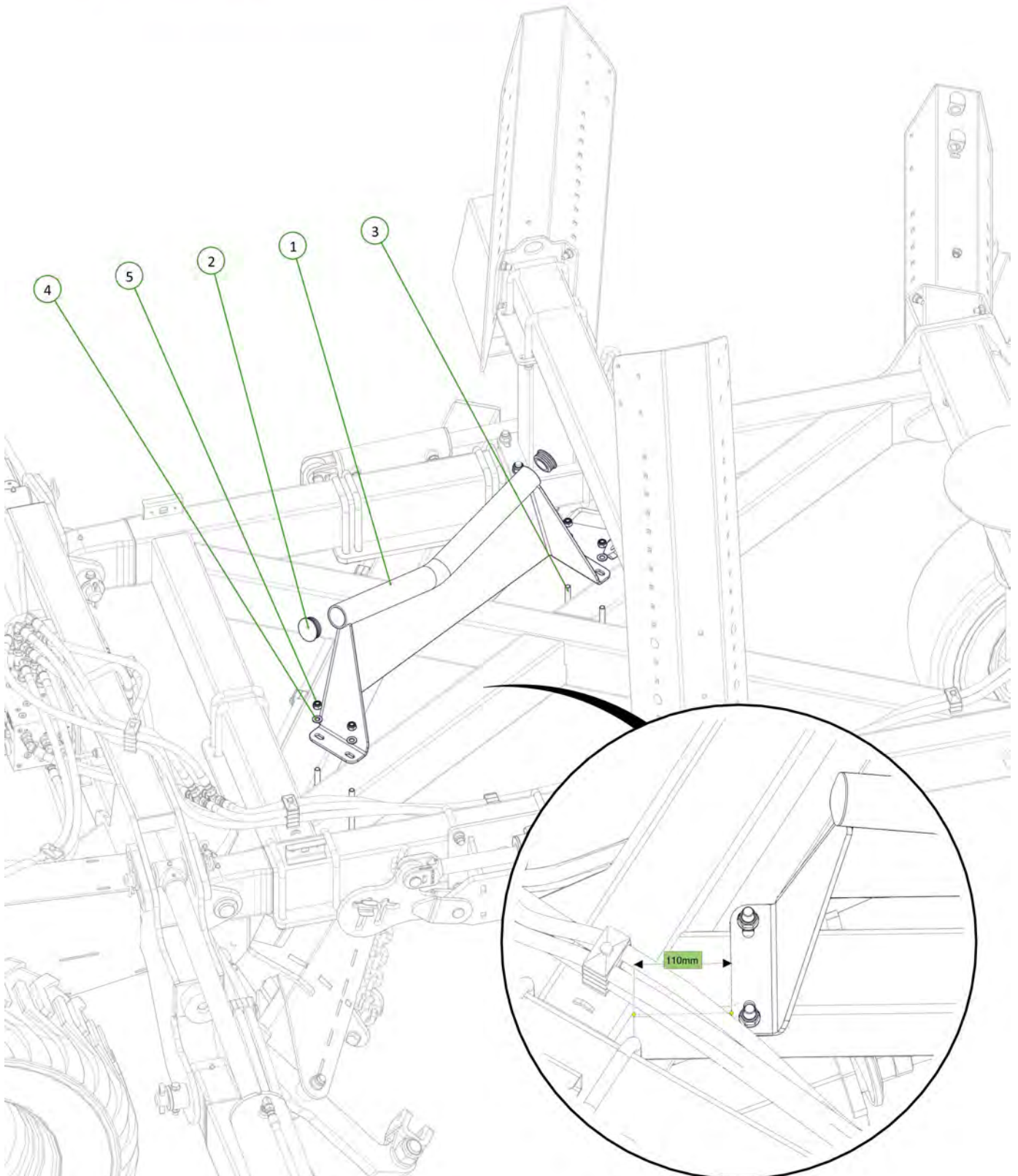
Item No.	Description	Qty	Number
1	Chain Carrier Beam	1	0810-61E
2	400mm Pedestal	2	0810-59E
3	U-Bolt M16 x 160 Deep x 127 Wide	4	0271-16160127
4	U-Bolt M16 x 185 Deep x 104 Wide	4	0271-16185104
5	Washer Flat M16	16	0231-F16
6	Nyloc Nut M16	16	0221-NYL16

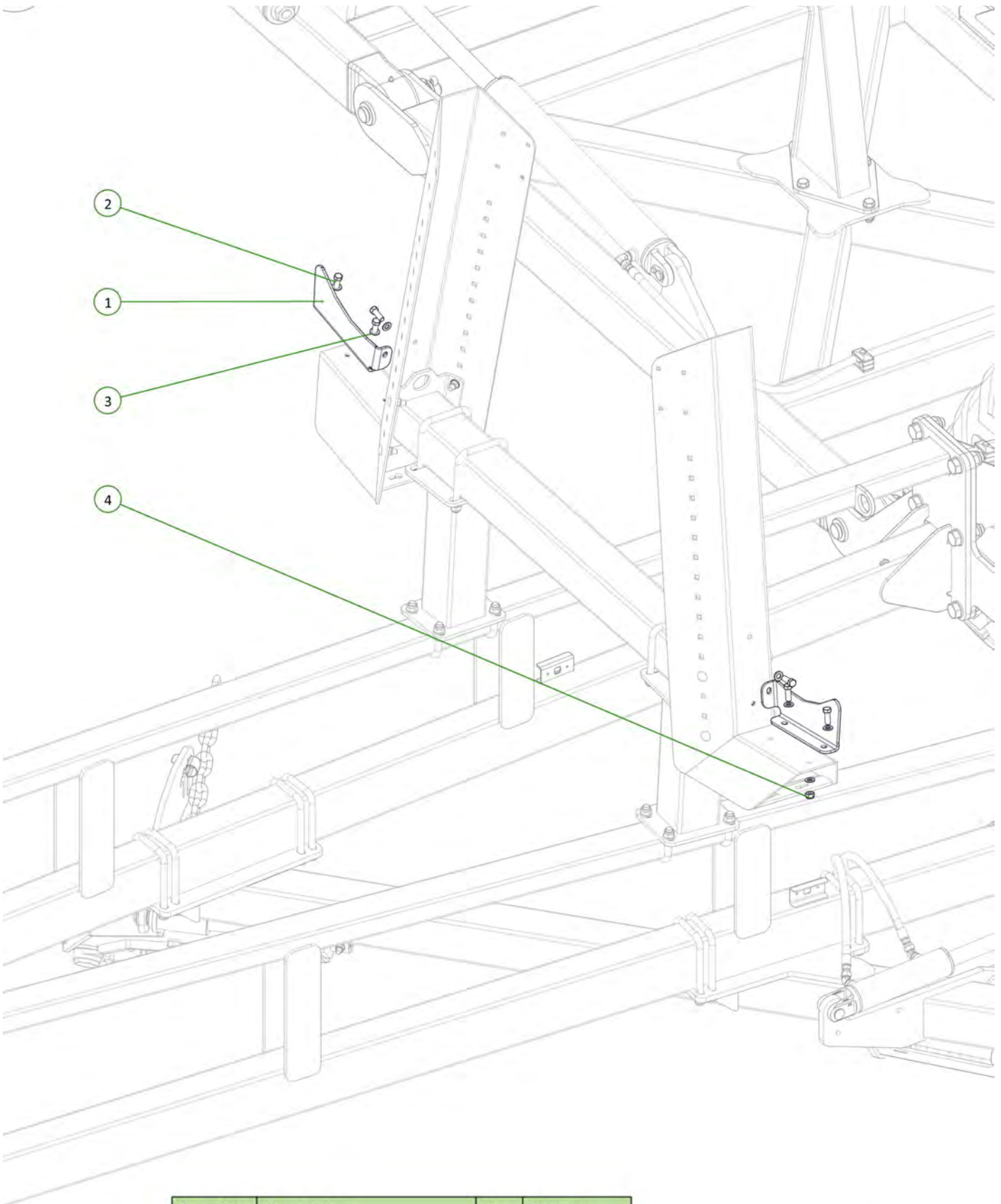


Item No.	Description	Qty	Number
1	Extended Chain Carrier Bolt on End	2	0810-17LEE
2	M12 x 40 Coach Head Bolt	8	0215-CH1240
3	Nyloc Nut M12	8	0221-NYL12
4	Washer Flat M12	8	0231-F12



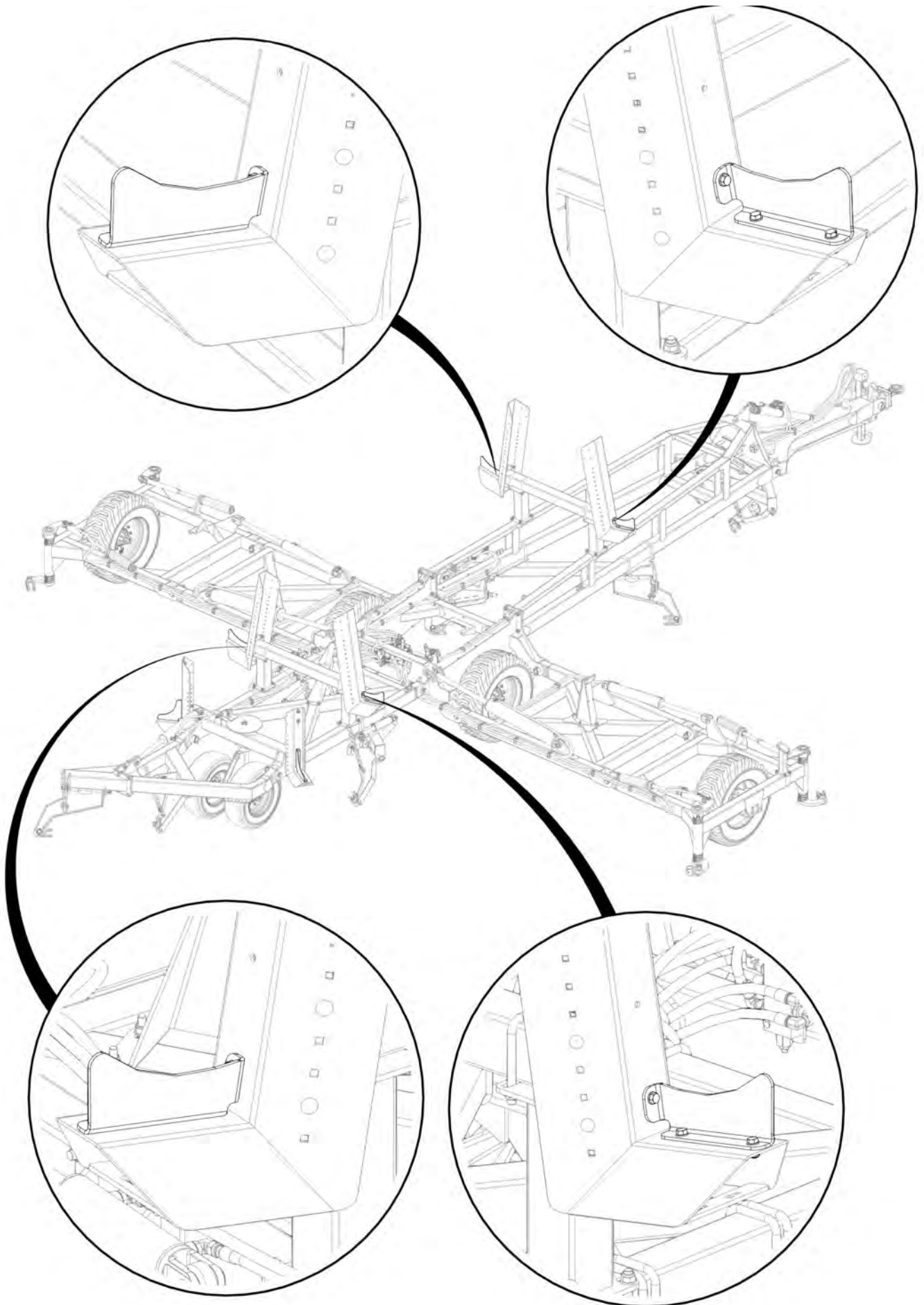
Item No.	Description	Qty	Number
1	Straight Chain Carrier M	1	0810-19
2	Round Tube Insert 60.3 x 3.2-5mm	2	0264-RTRi-5584
3	U-Bolt M12 x 185 Deep x 104 Wide	2	0271-12185104
4	Washer Flat M12	4	0231-F12
5	Nyloc Nut M12	4	0221-NYL12

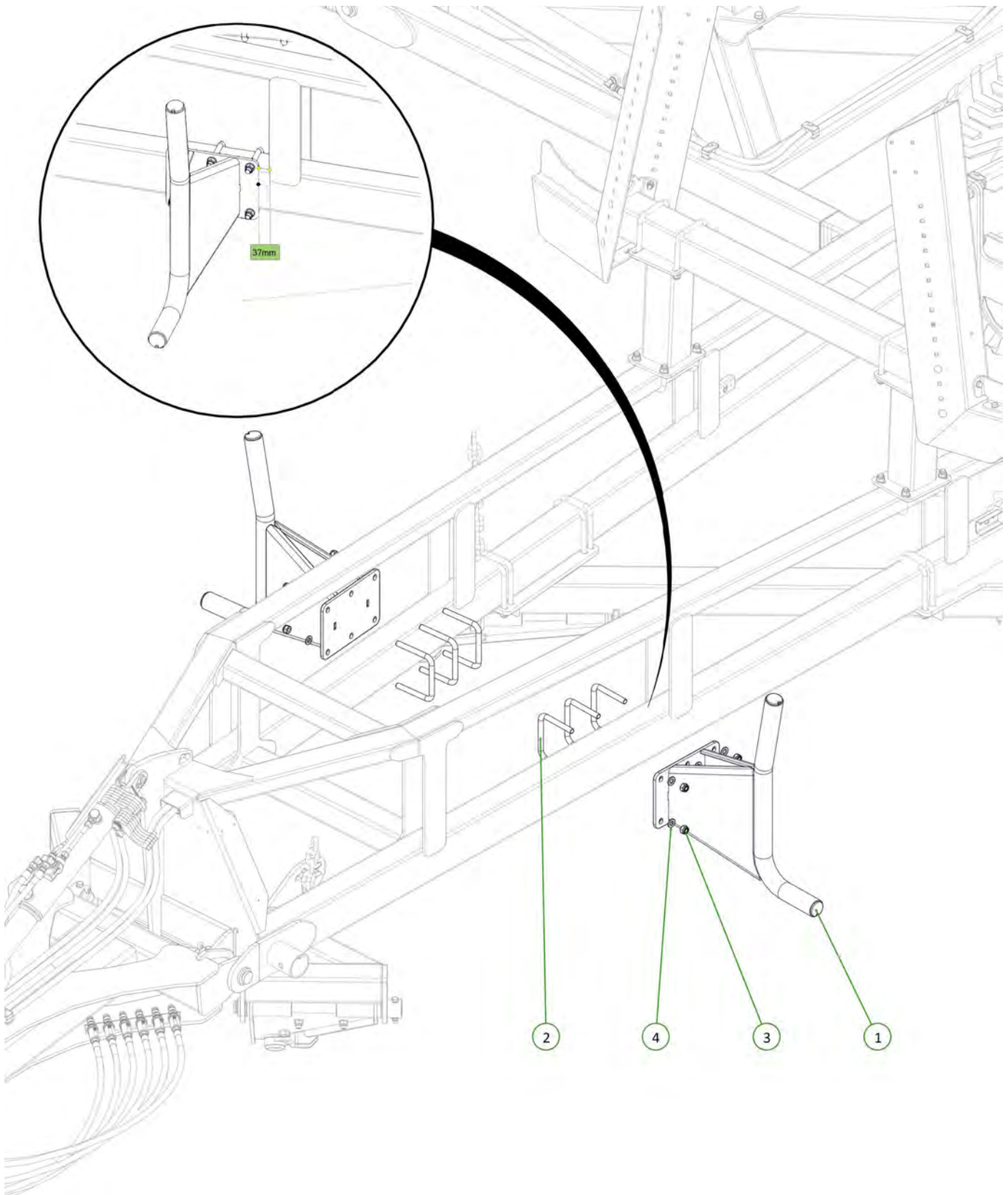




Item No.	Description	Qty	Number
1	Catch Plate	2	0800-687
2	M12 x 35 Grade 8.8 ZP Bolt	6	0211-1235
3	Washer Flat M12	12	0231-F12
4	Nyloc Nut M12	6	0221-NYL12



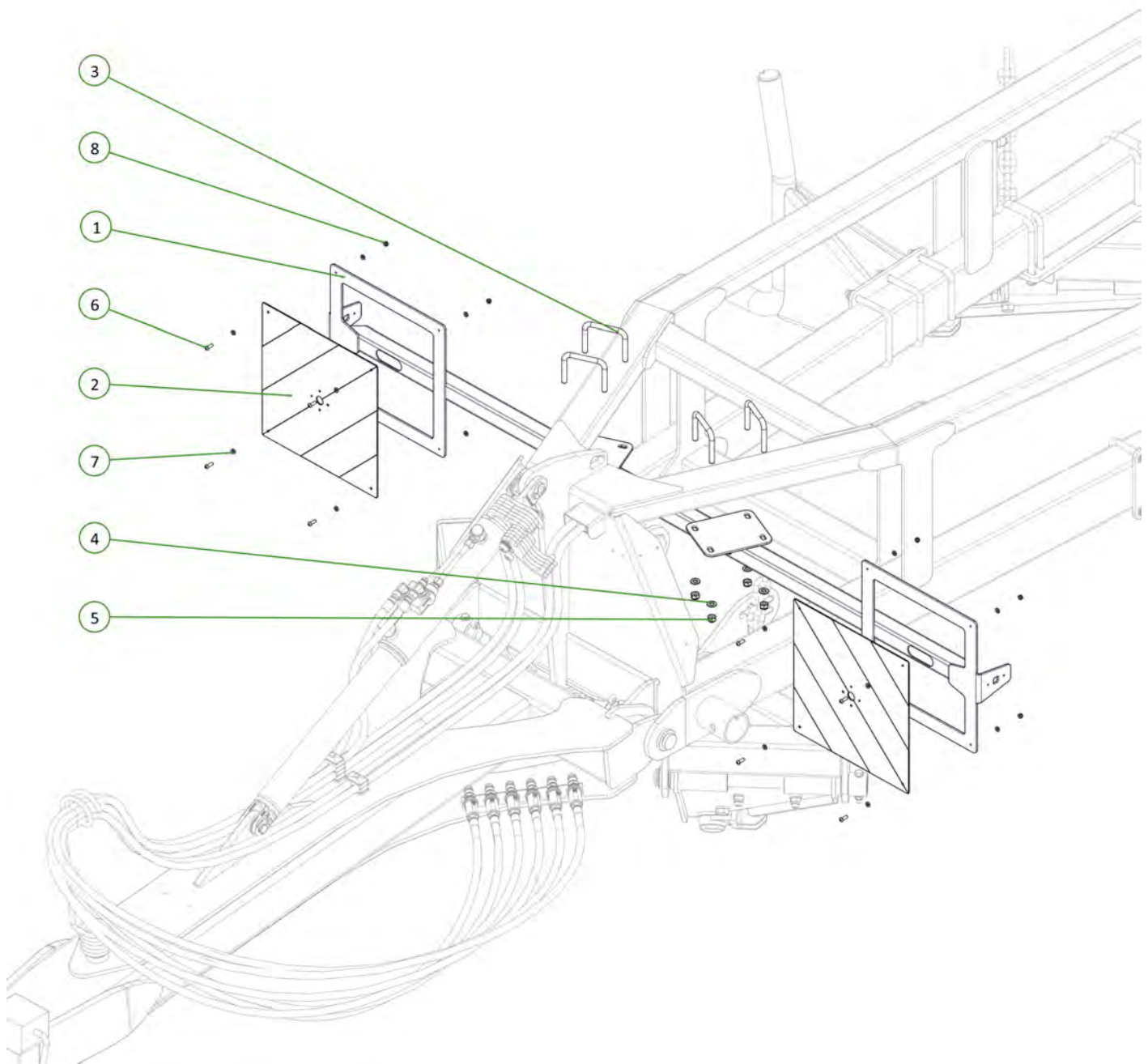


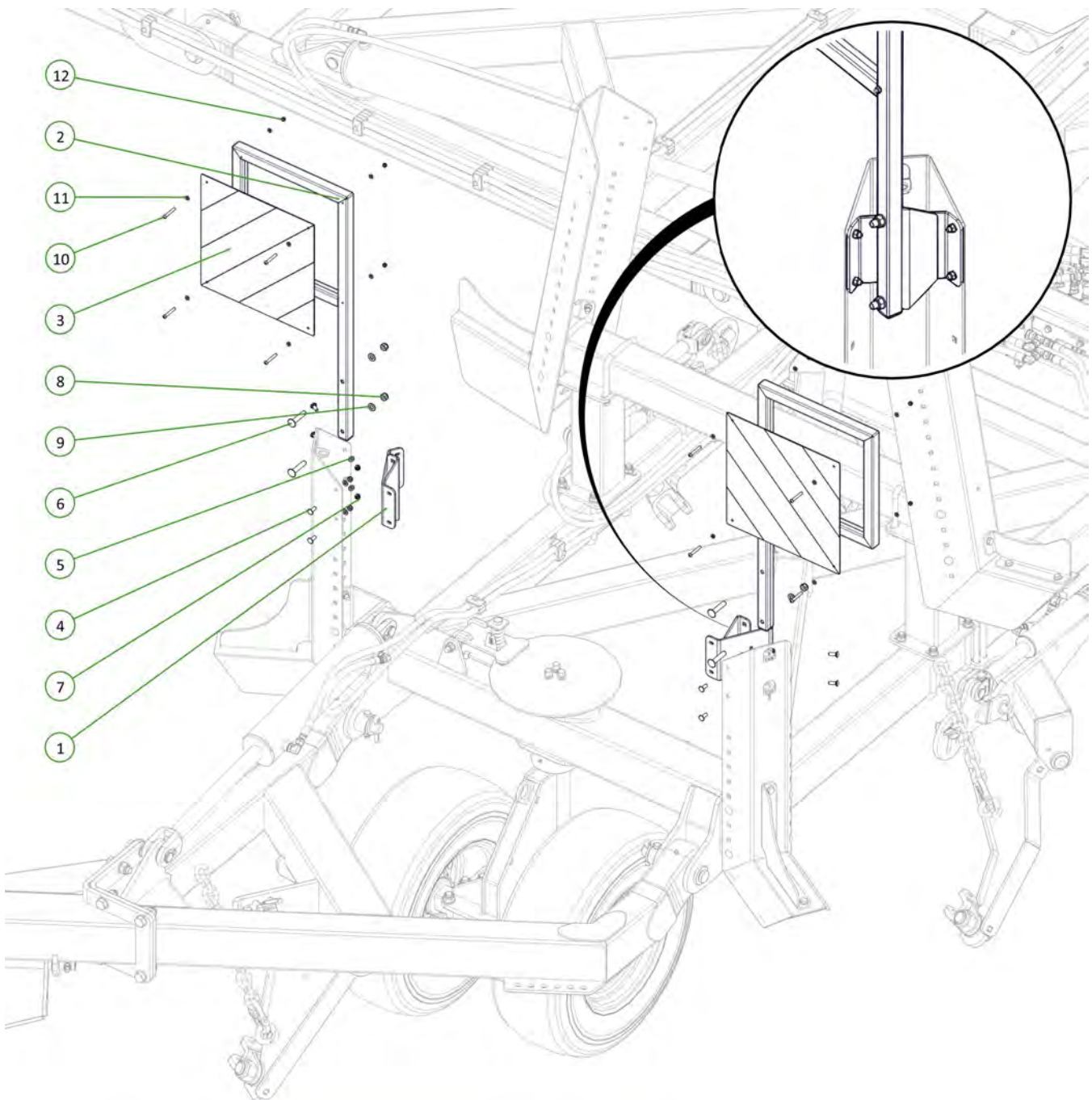


Item No.	Description	Qty	Number
1	Outrigger	2	0810-42E
2	U-Bolt M16 x 140 Deep x 154 Wide	6	0271-16140154
3	Nyloc Nut M16	12	0221-NYL16
4	Washer Flat M16	12	0231-F16



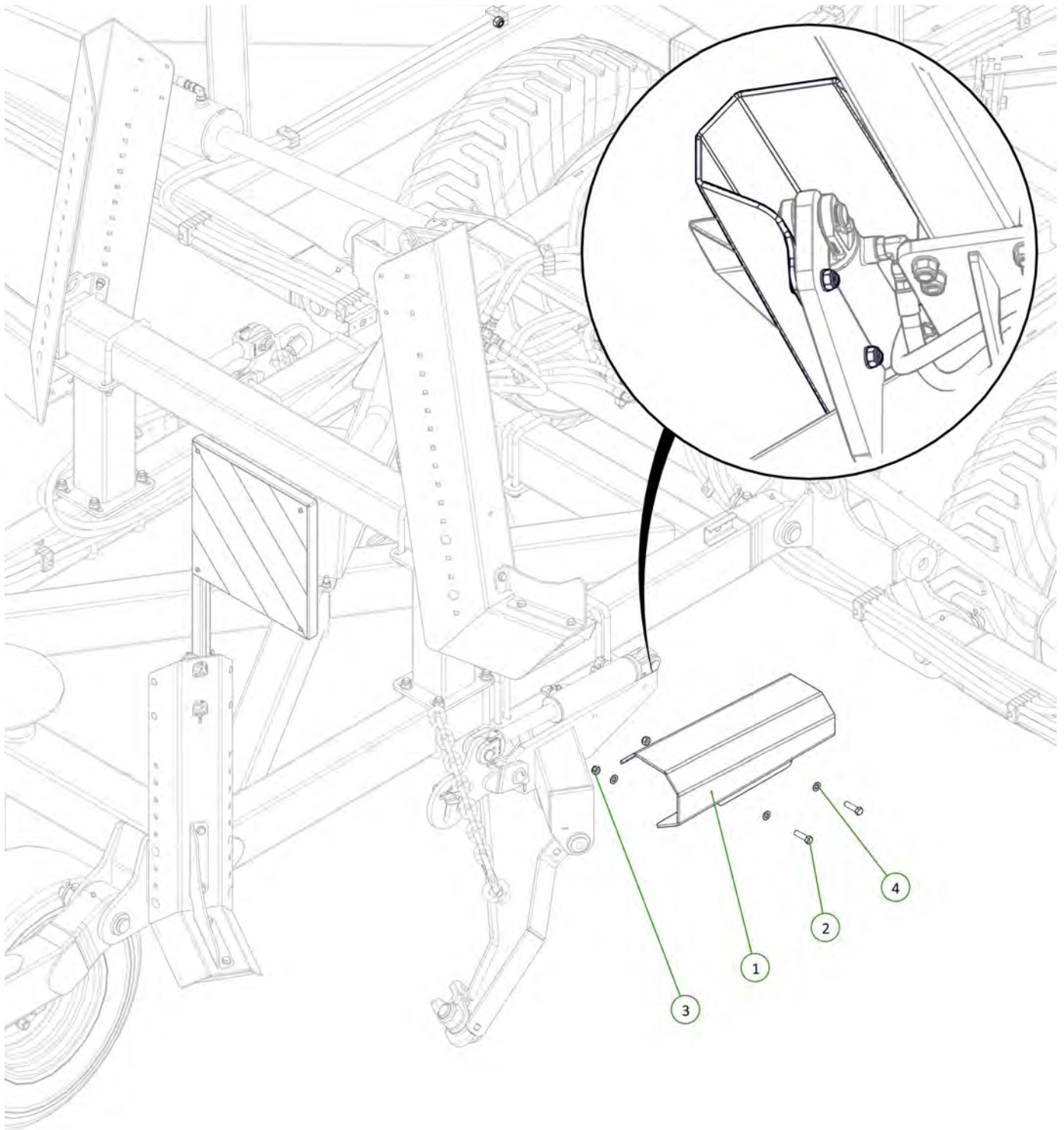
Item No.	Description	Qty	Number
1	9m Gen 2 - Front Oversize Sign	1	1532-02OS
2	European Oversize Sign 3	2	1501-EUOS3
3	U-Bolt M12 x 85 Deep x 102 Wide	4	0271-1285102
4	Washer Flat M12	8	0231-F12
5	Nyloc Nut M12	8	0221-NYL12
6	Button Head Screw M6 x 20mm	8	0211-0620_BH
7	Washer Flat M6	16	0231-F6
8	Nyloc Nut M6	8	0221-NYL6



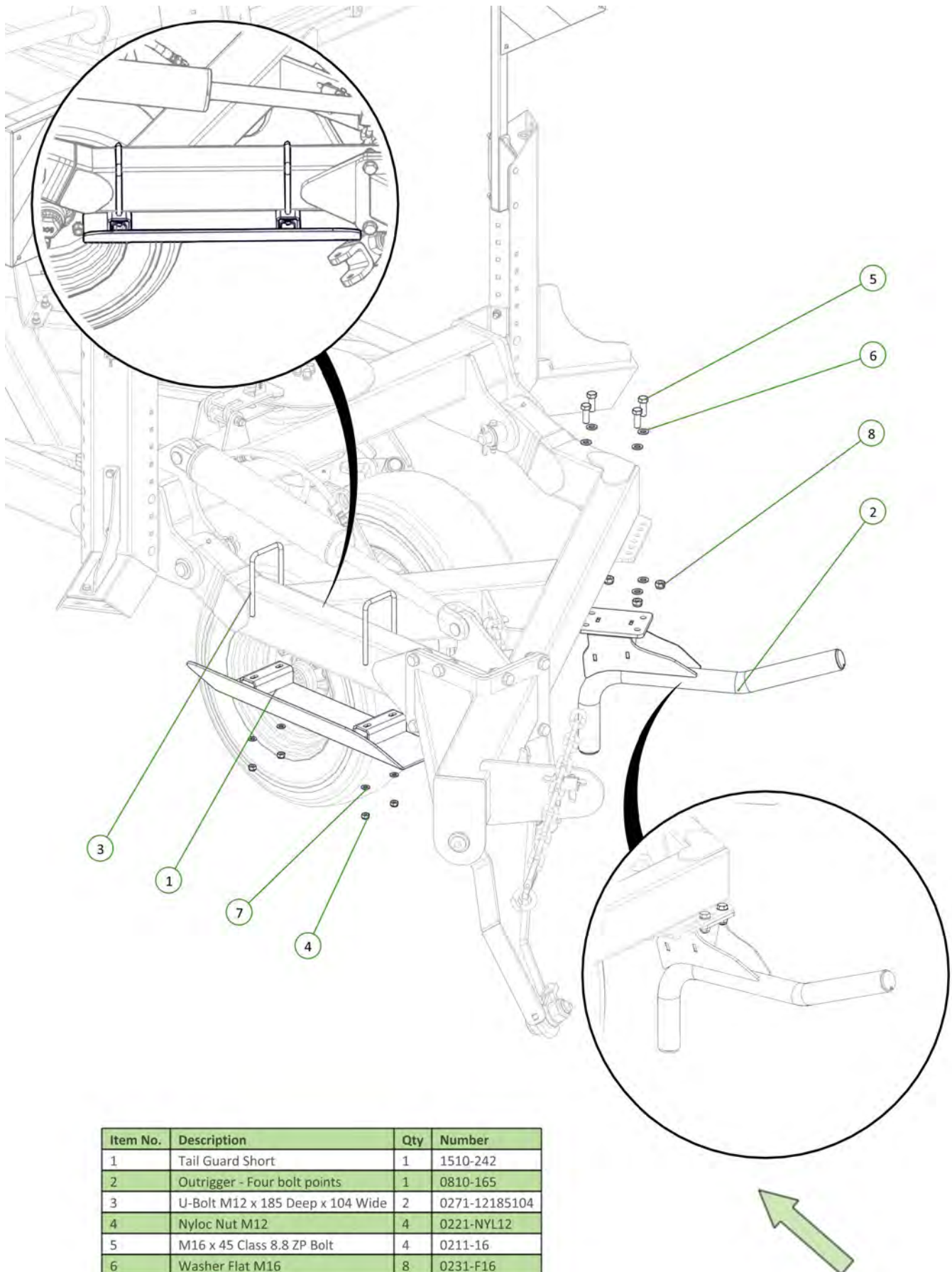


Item No.	Description	Qty	Number
1	30 Degree OS Sign Mounting Bracket	2	1510-45
2	9m Gen 2 Rear Oversize Sign	2	1510-51
3	European Oversize Sign 2	2	1501-EUOS2
4	M8 x 25 Coach Head Bolt	8	0215-CH0825
5	Washer Flat M8	8	0231-F8
6	M12 x 65 Coach Head Bolt	4	0215-CH1265
7	Nyloc Nut M8	8	0221-NYL8
8	Nyloc Nut M12	4	0221-NYL12
9	Washer Flat M12	4	0231-F12
10	Button Head Screw M6 x 50mm	8	0211-0650_BH
11	Washer Flat M6	16	0231-F6
12	Nyloc Nut M6	8	0221-NYL6



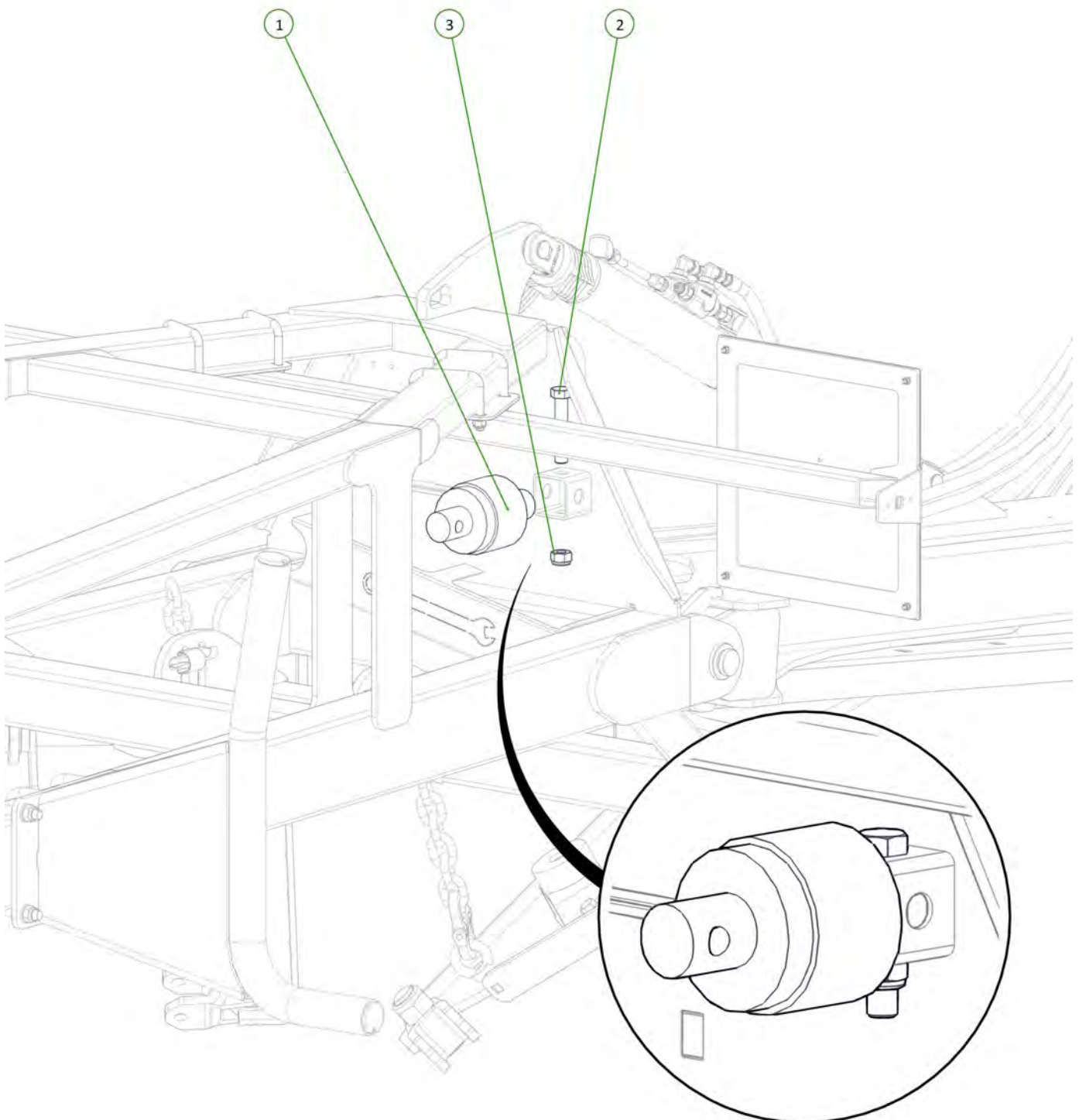


Item No.	Description	Qty	Number
1	Module Cylinder Guard	1	0800-167.3
2	M12 x 45 grade 8.8 ZP Bolt	2	0211-1245
3	Nyloc Nut M12	2	0221-NYL12
4	Washer Flat M12	4	0231-F12

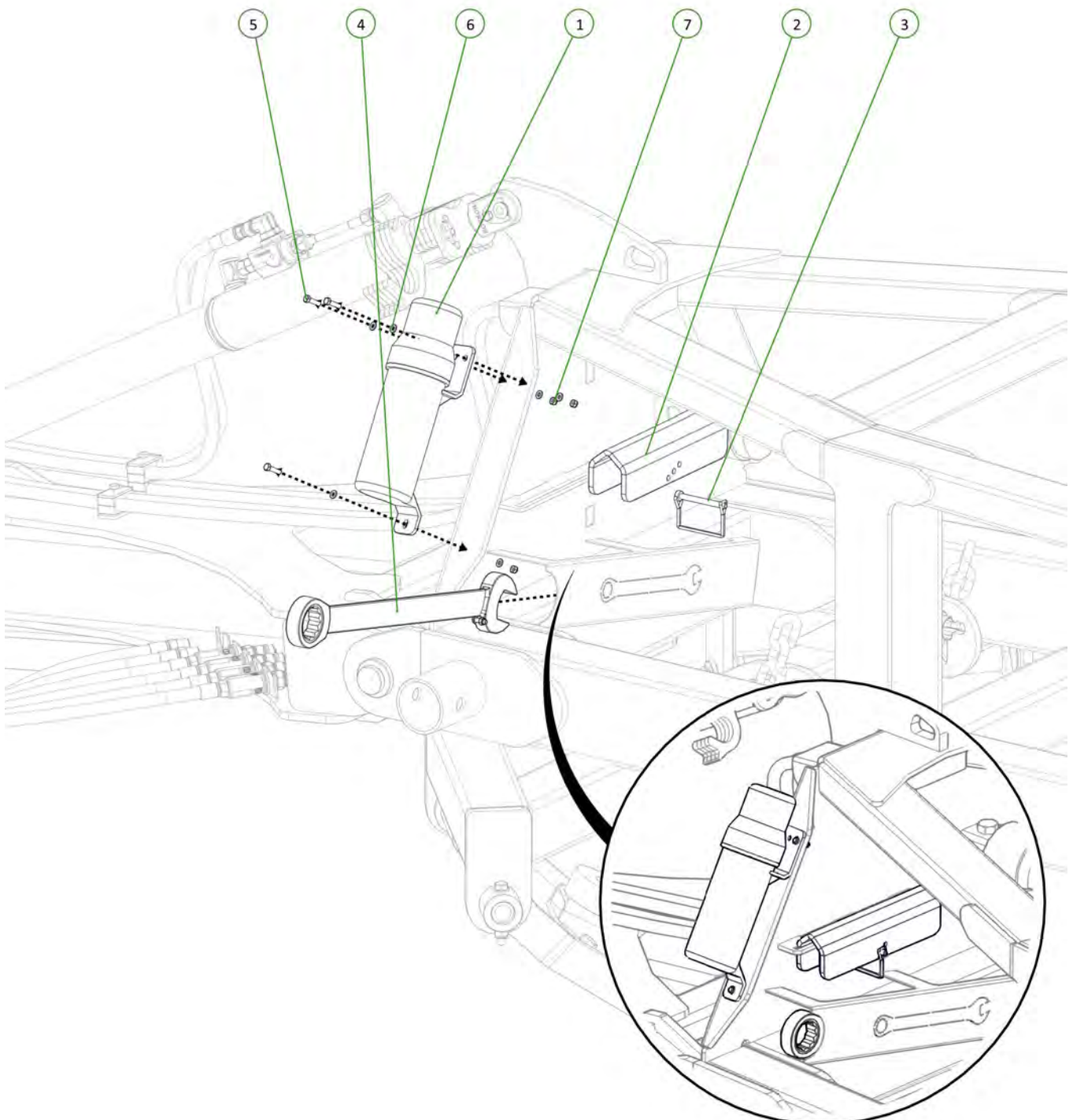


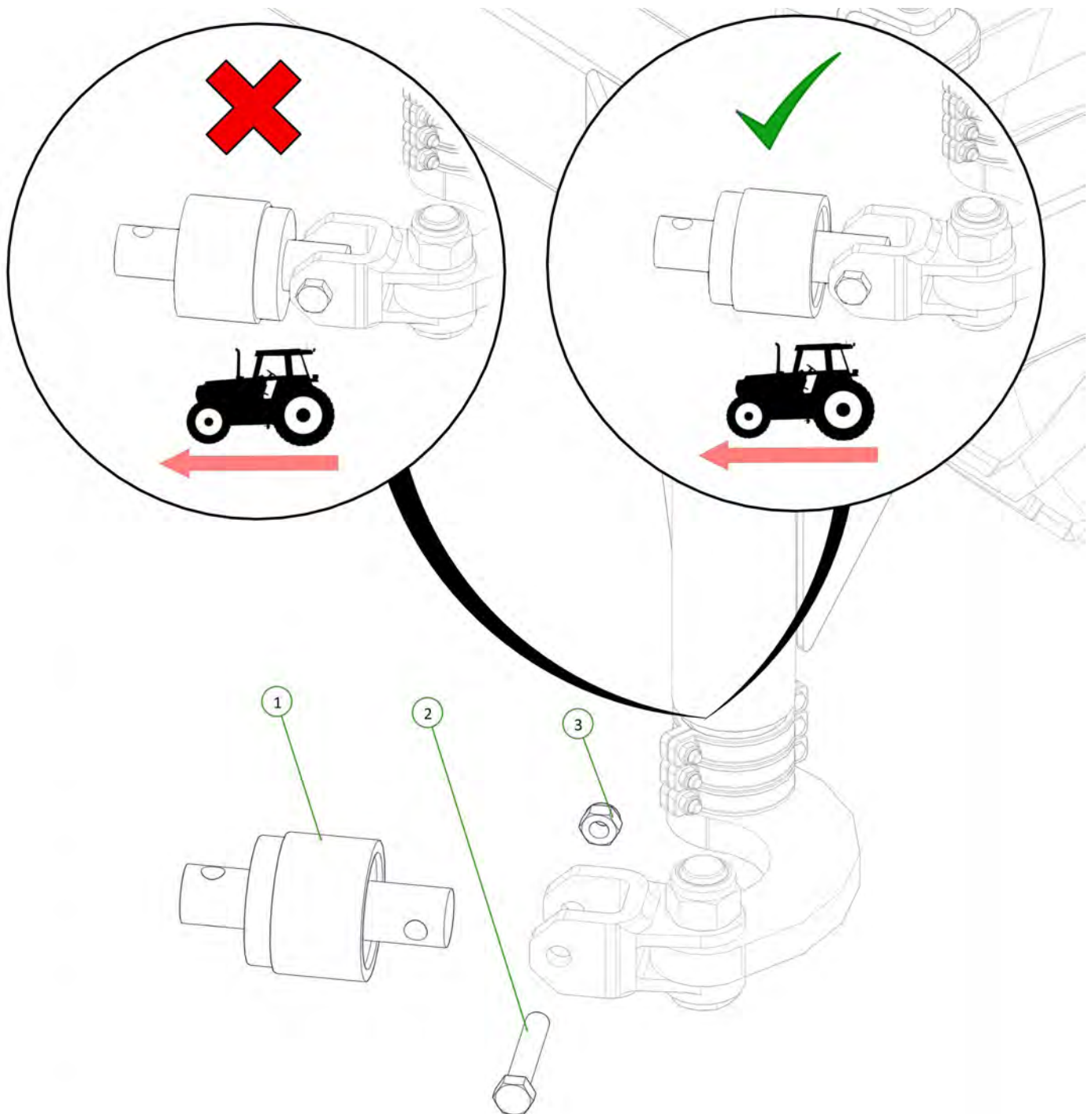
Item No.	Description	Qty	Number
1	Tail Guard Short	1	1510-242
2	Outrigger - Four bolt points	1	0810-165
3	U-Bolt M12 x 185 Deep x 104 Wide	2	0271-12185104
4	Nyloc Nut M12	4	0221-NYL12
5	M16 x 45 Class 8.8 ZP Bolt	4	0211-16
6	Washer Flat M16	8	0231-F16
7	Washer Flat M12	4	0231-F12
8	Nyloc Nut M16	4	0221-NYL16

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



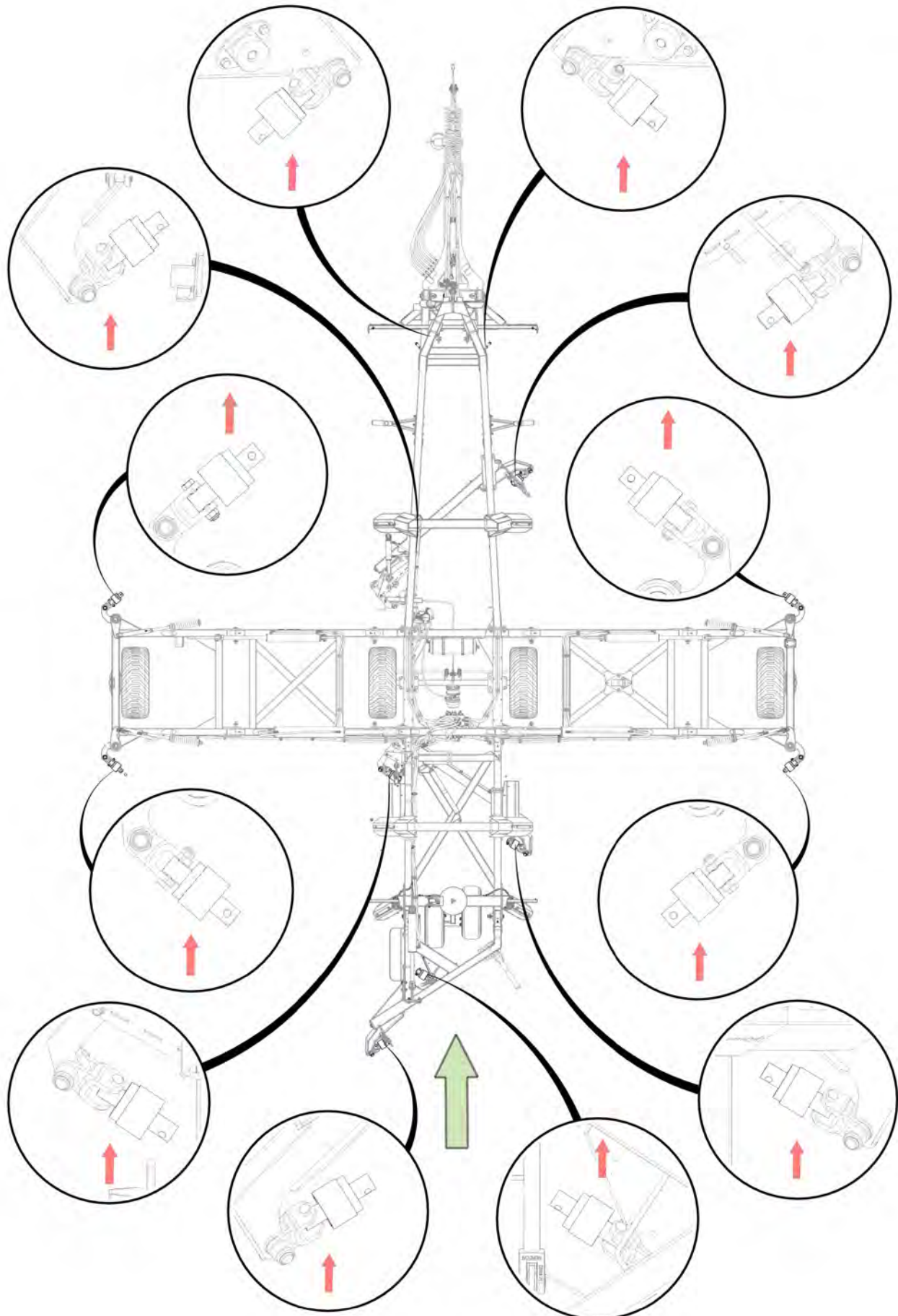
Item No.	Description	Qty	Number
1	Operator Manual Cannister	1	0801-OMC-1
2	Cylinder Safety Stop	1	0800-688
3	Square Loop Pin 5/16" x 3 1/4"	1	0511-PINLOOPSQ516x314
4	Ratcheting Gear Wrench 1 3/4"	1	0802-GW1 3-4
5	M6 x 25 Class 8.8 ZP Bolt	3	0211-625
6	Washer Flat M6	6	0231-F6
7	Nyloc Nut M6	3	0221-NYL6

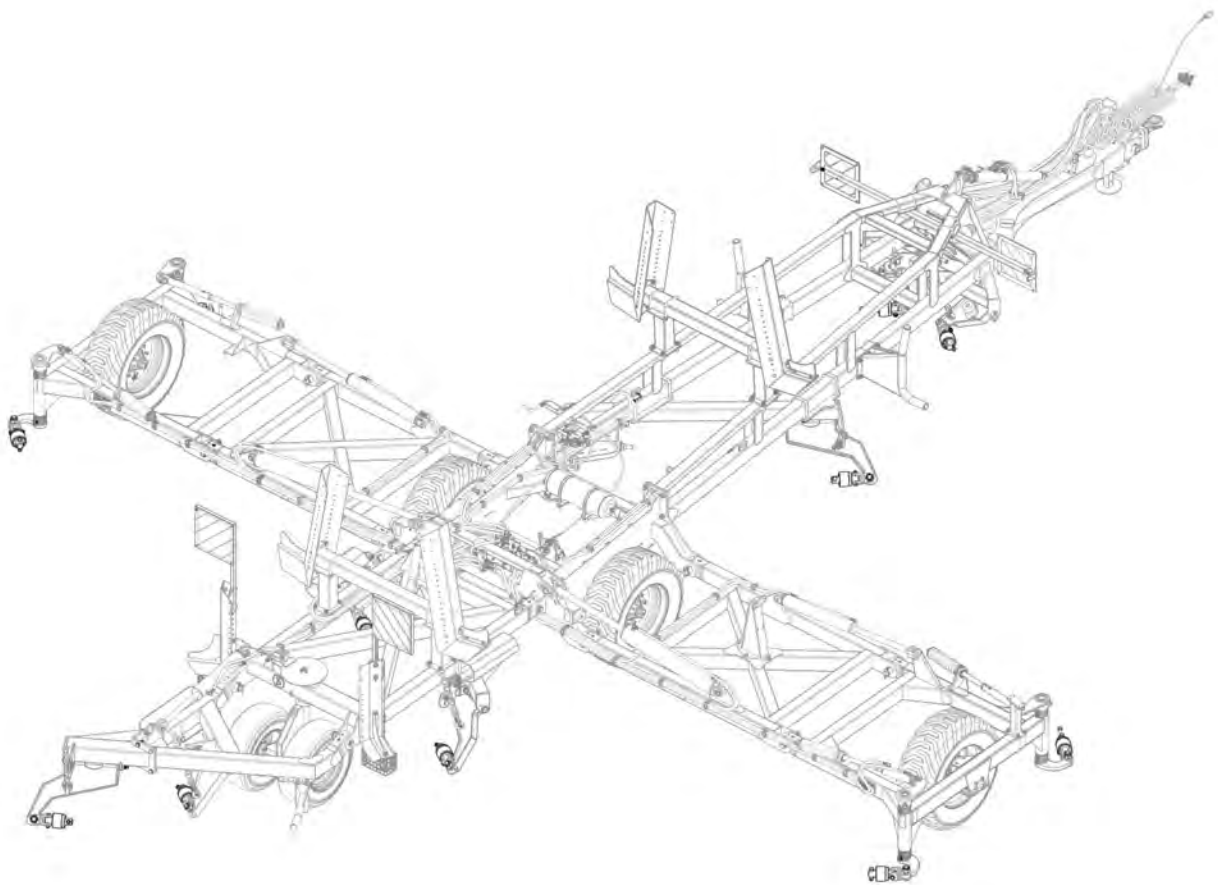




Item No.	Description	Qty	Number
1	20mm Bolt Swivel Unit	1	0802-PCHB55
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	1	0211-20110ST
3	Nyloc Nut M20	1	0221-NYL20

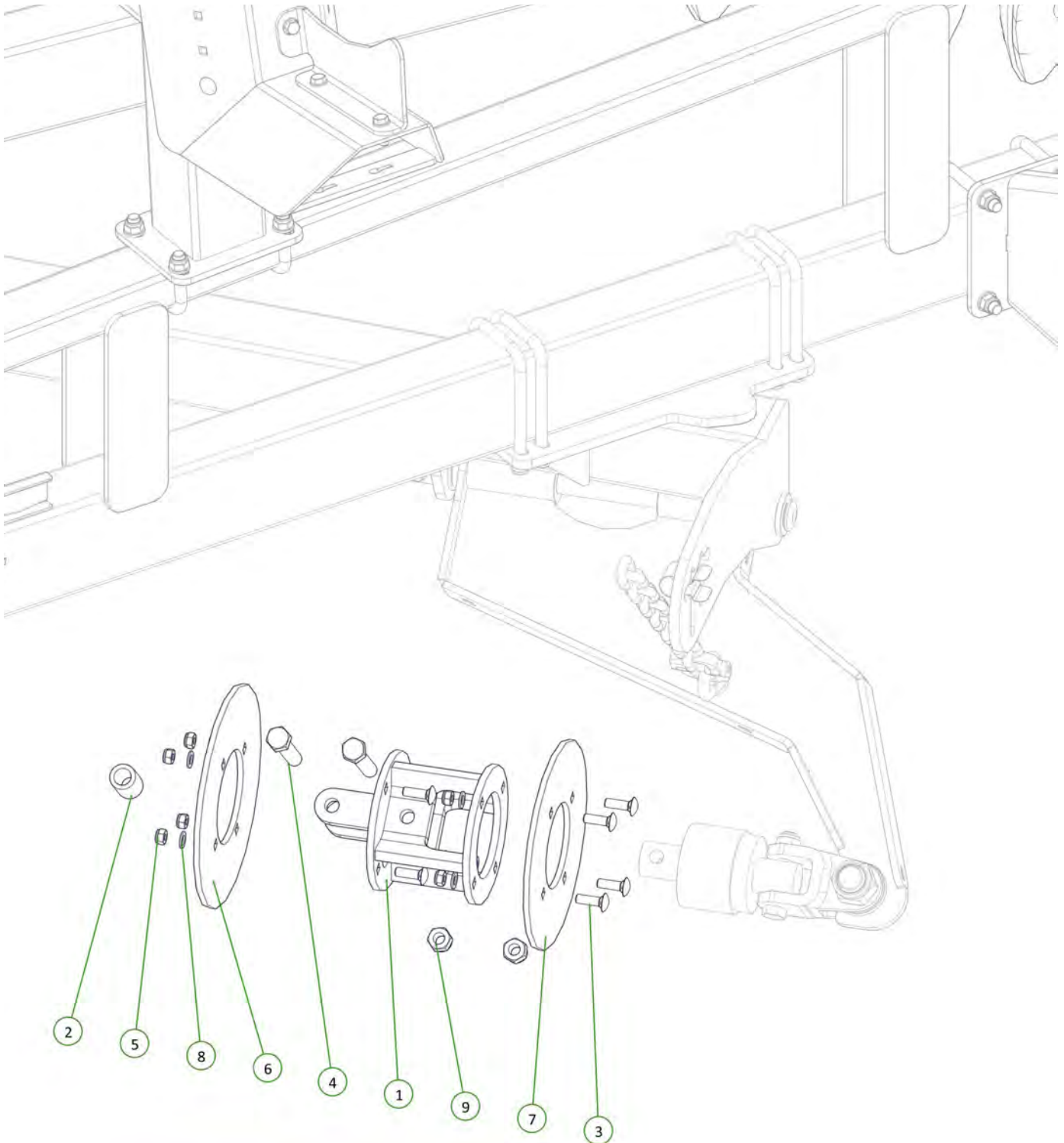




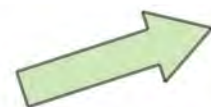


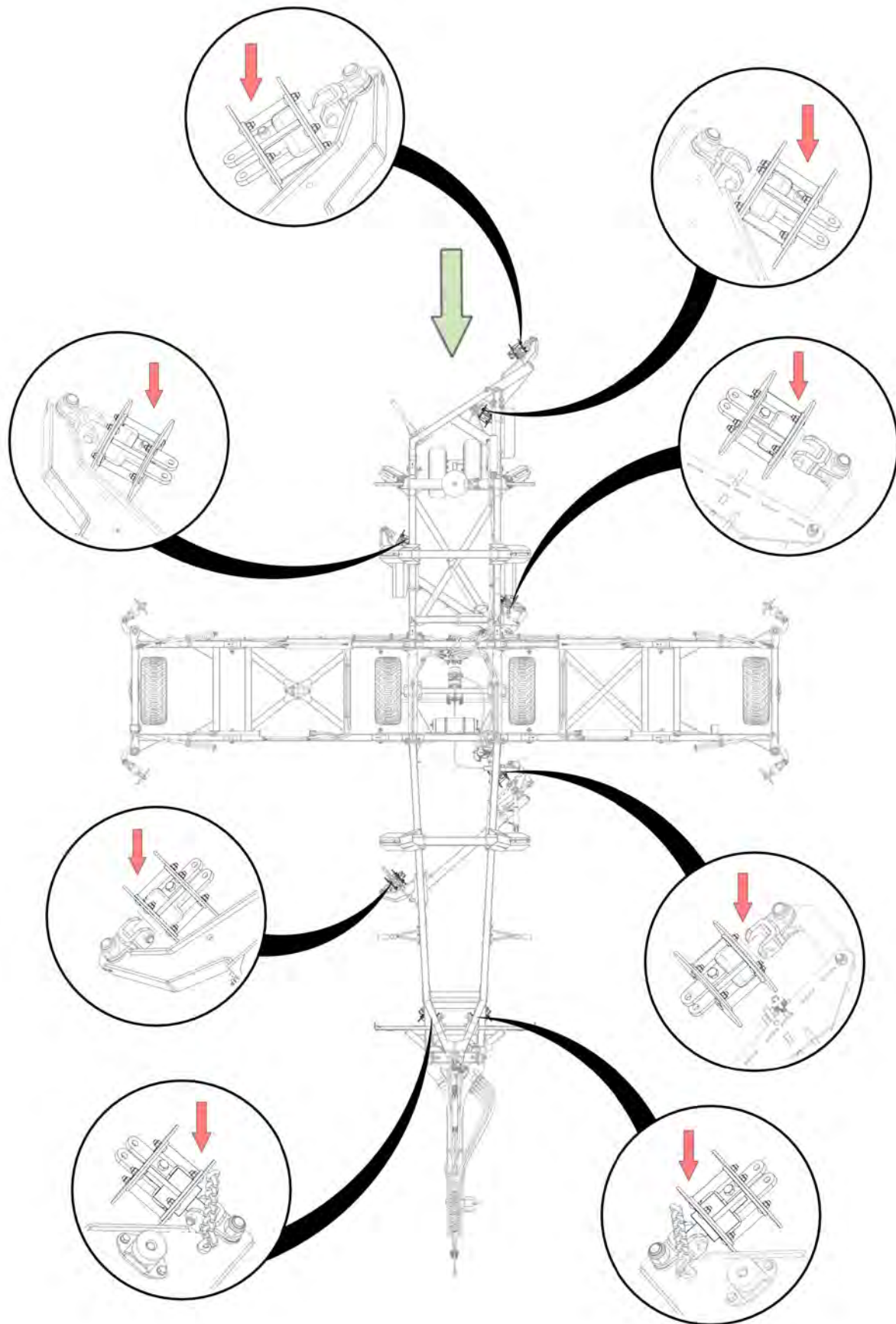
All bearings correctly orientated with seal facing rear of the machine

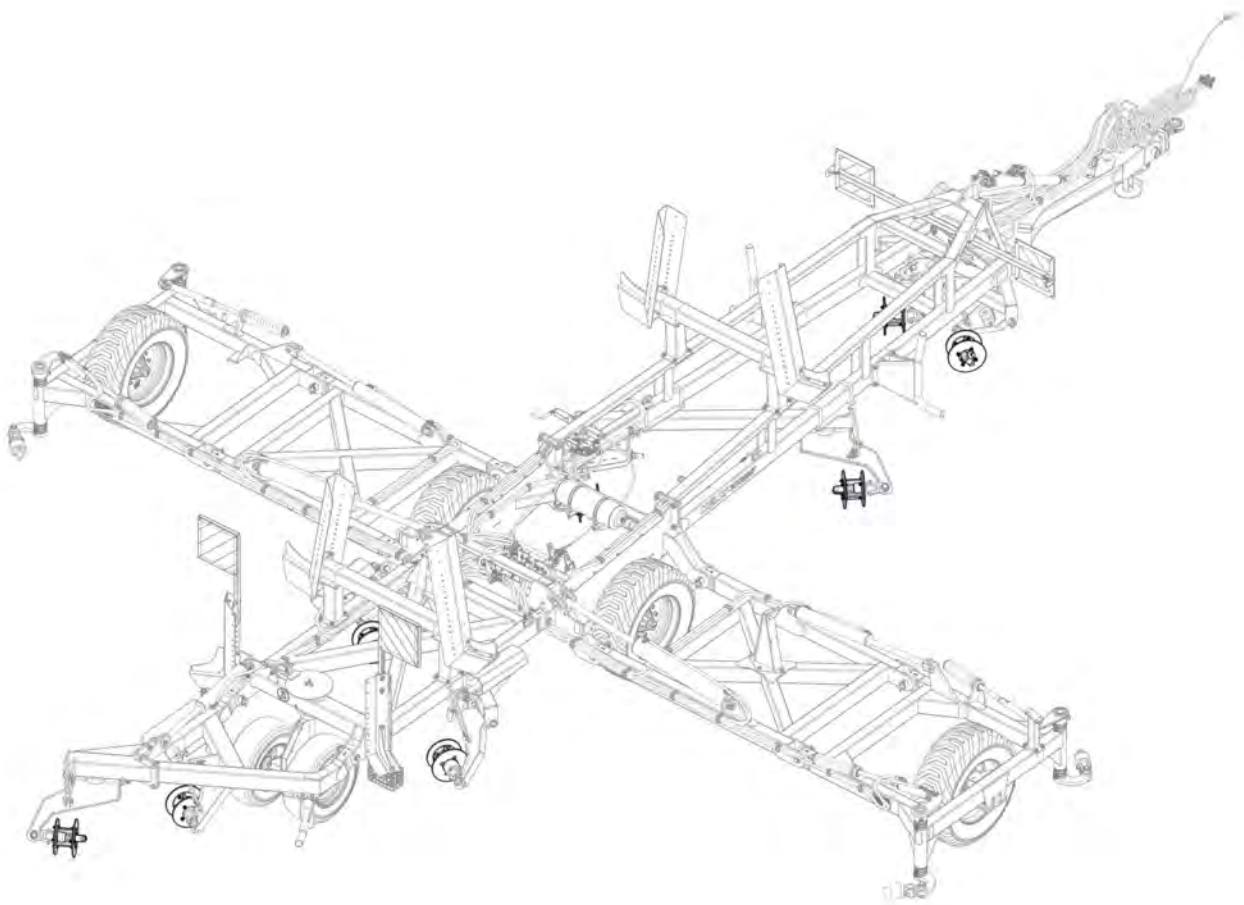




Item No.	Description	Qty	Number
1	Tapered Chain End Hub	1	0810-45-5
2	Disc Chain Spacer	1	0801-PCDCS55
3	M12 x 40 Coach Head Bolt	8	0215-CH1240
4	M20 x 110 Class 10.9 ZP Short Thread Bolt	2	0211-20110ST
5	Nyloc Nut M12	8	0221-NYL12
6	TCE Blade Large	1	0800-767
7	TCE Blade Small	1	0800-766
8	Washer Flat M12	8	0231-F12
9	Nyloc Nut M20	2	0221-NYL20

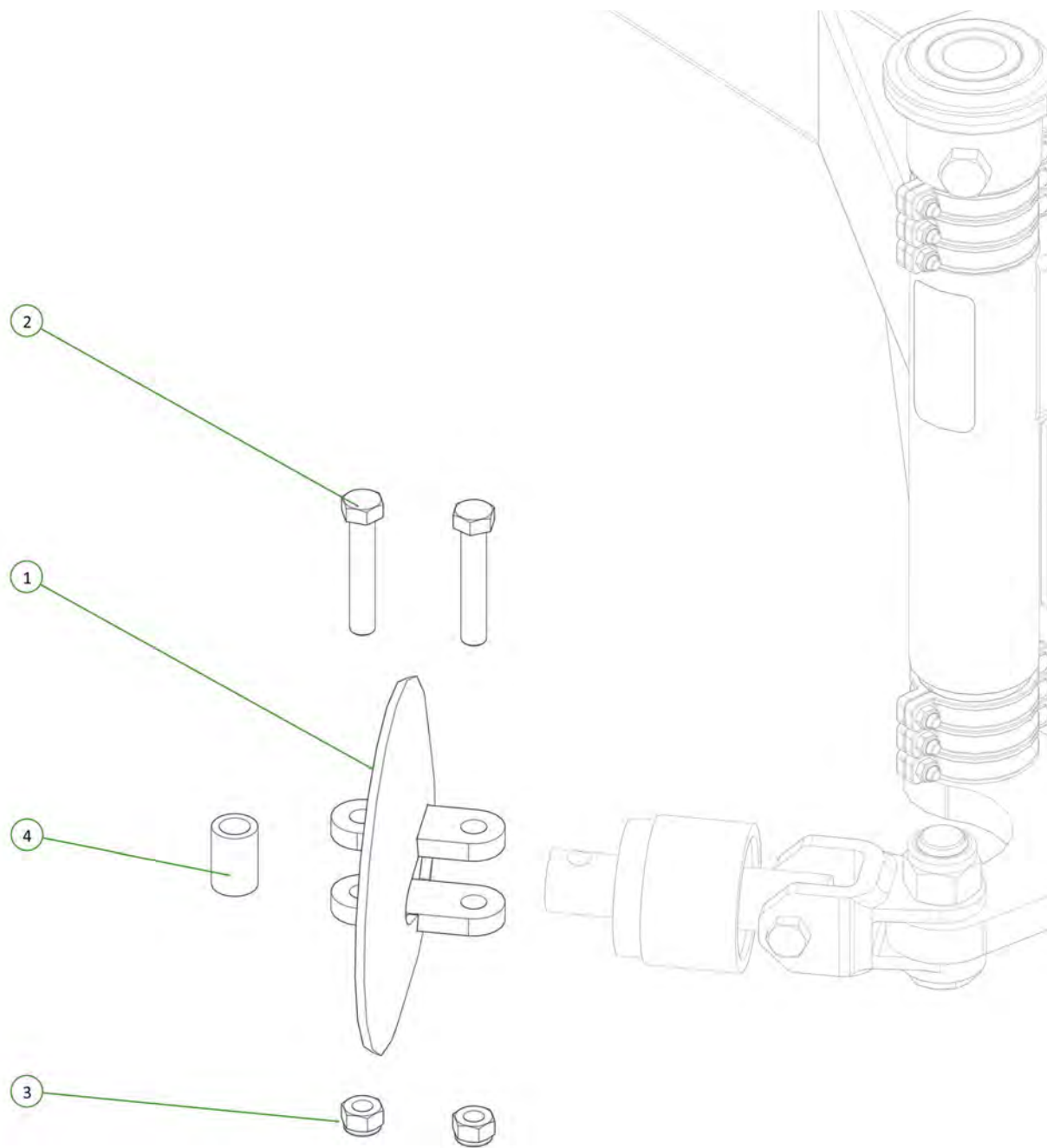




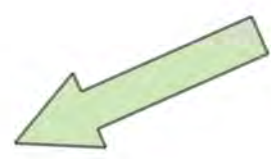


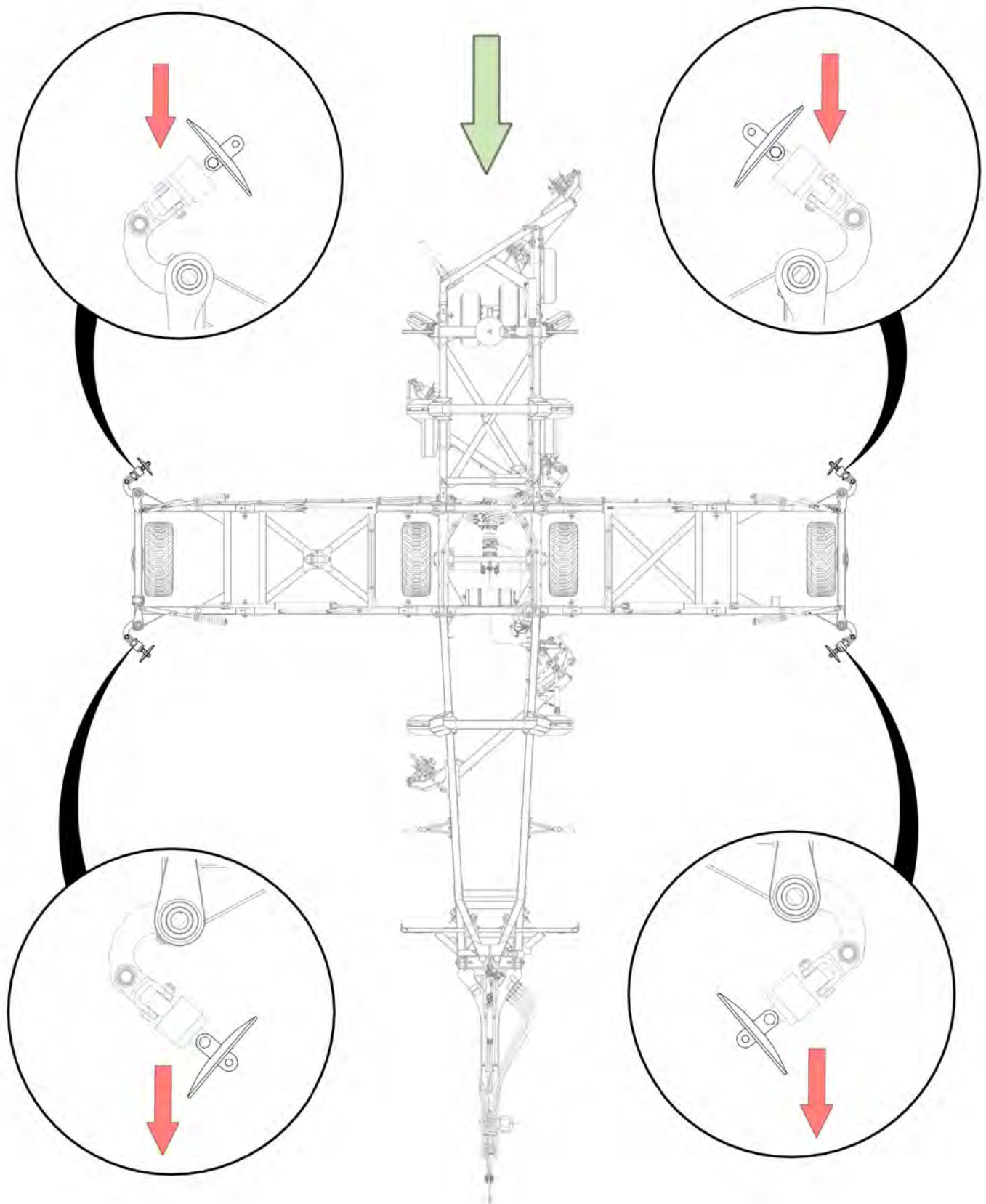
All coach head bolts installed with the heads towards the front of the machine

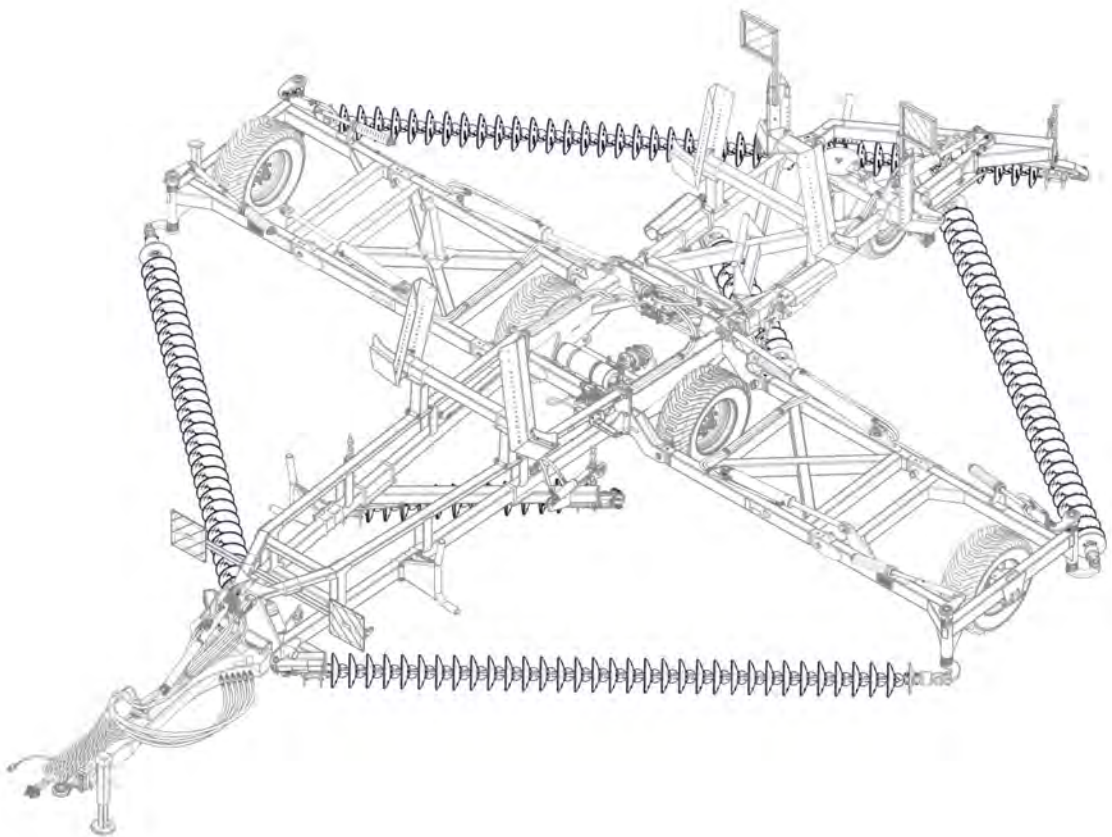




Item No.	Description	Qty	Number
1	Tie Plate Disc 20mm	1	0802-DCTP-20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	2	0211-20110ST
3	Nyloc Nut M20	2	0221-NYL20
4	Disc Chain Spacer	1	0801-PCDCS55

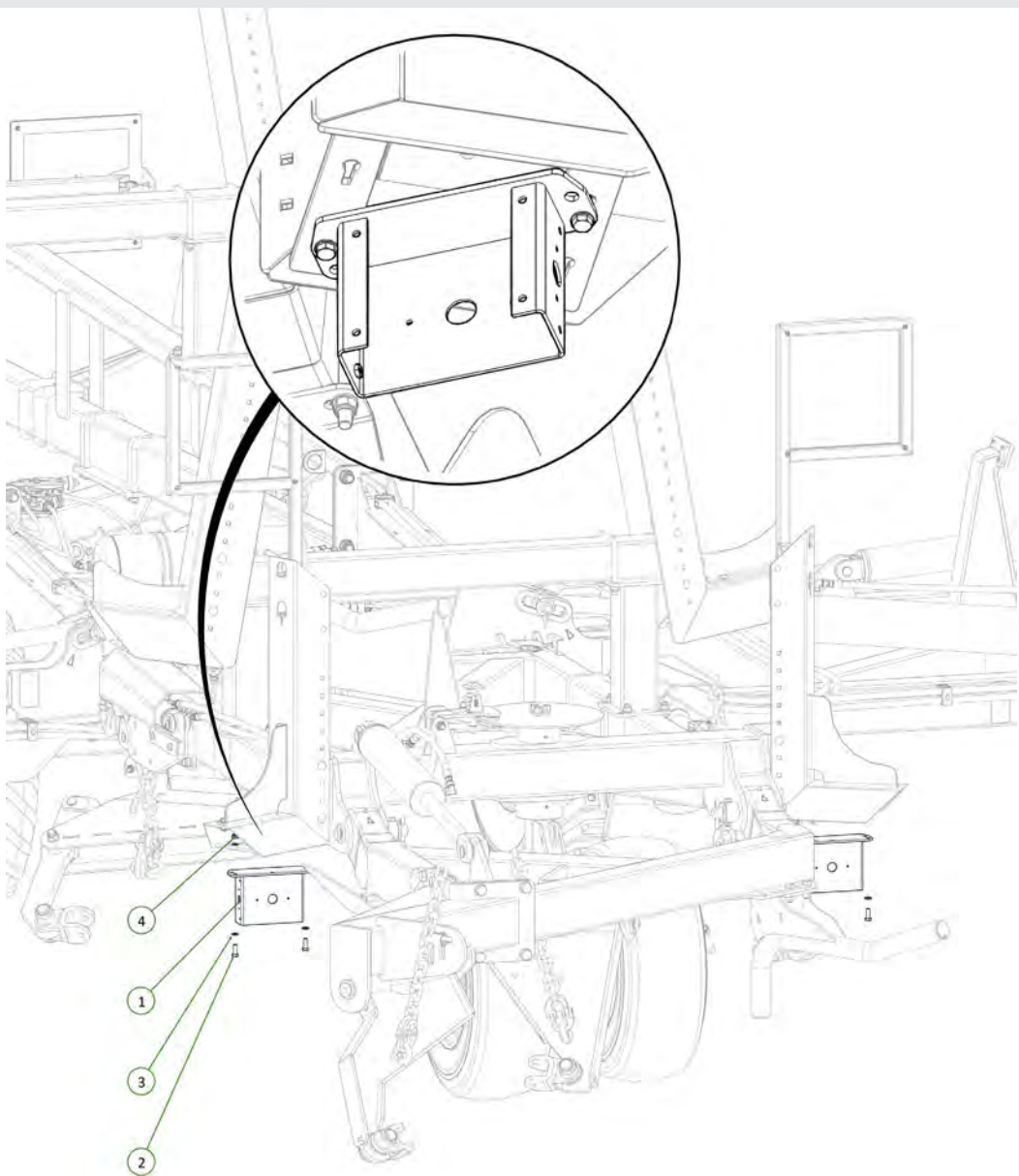






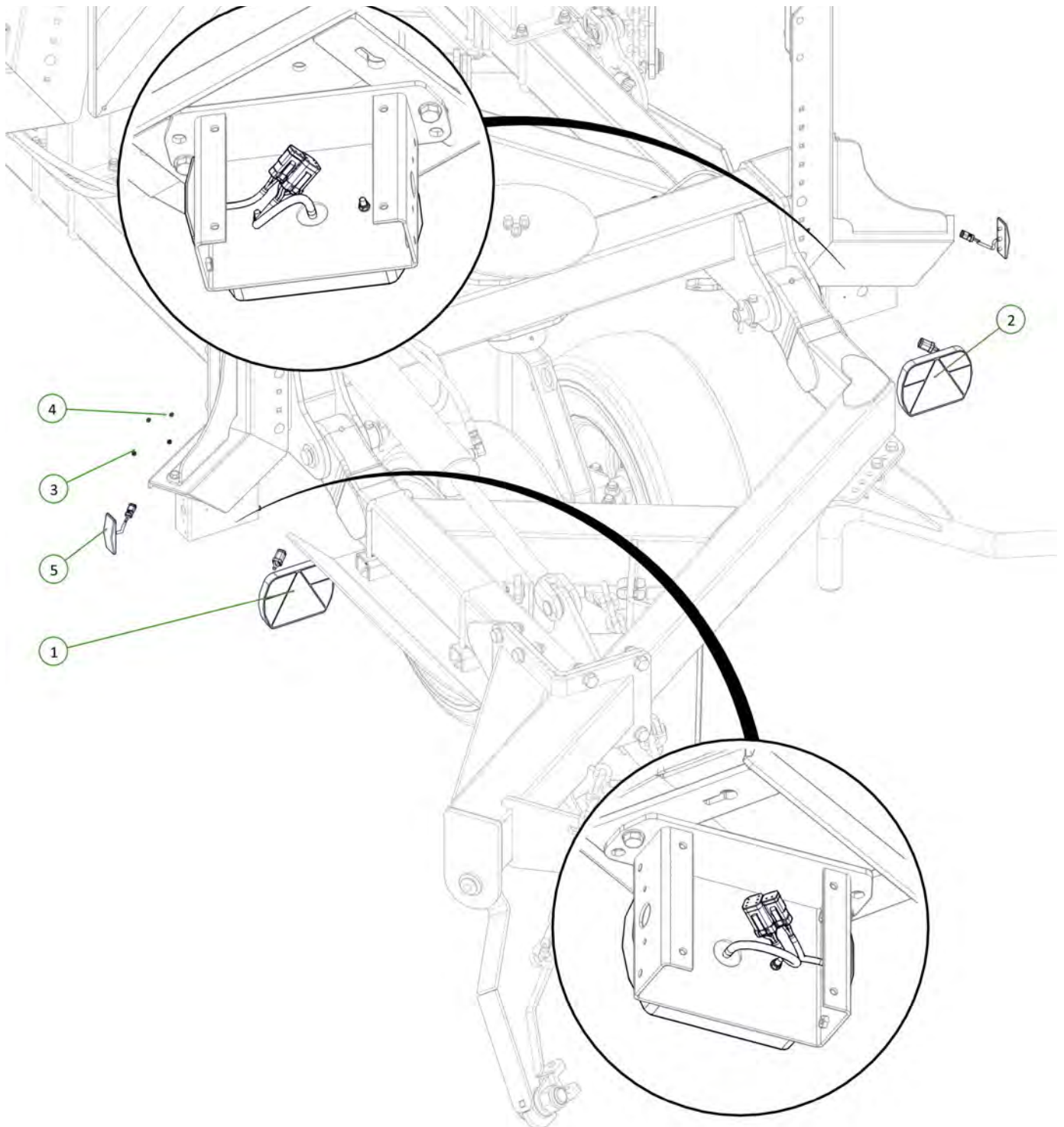


Section 2 - Light Kits

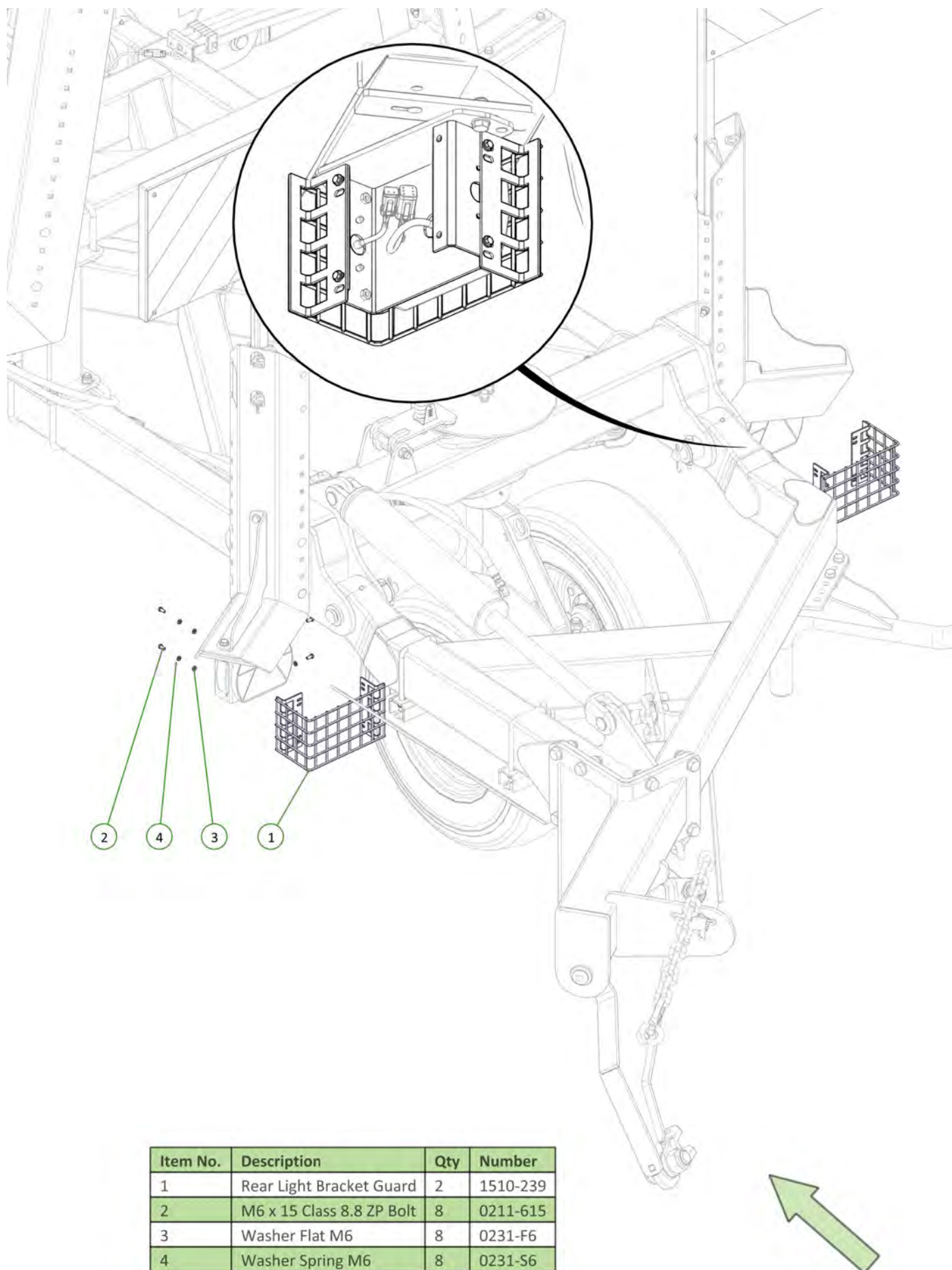


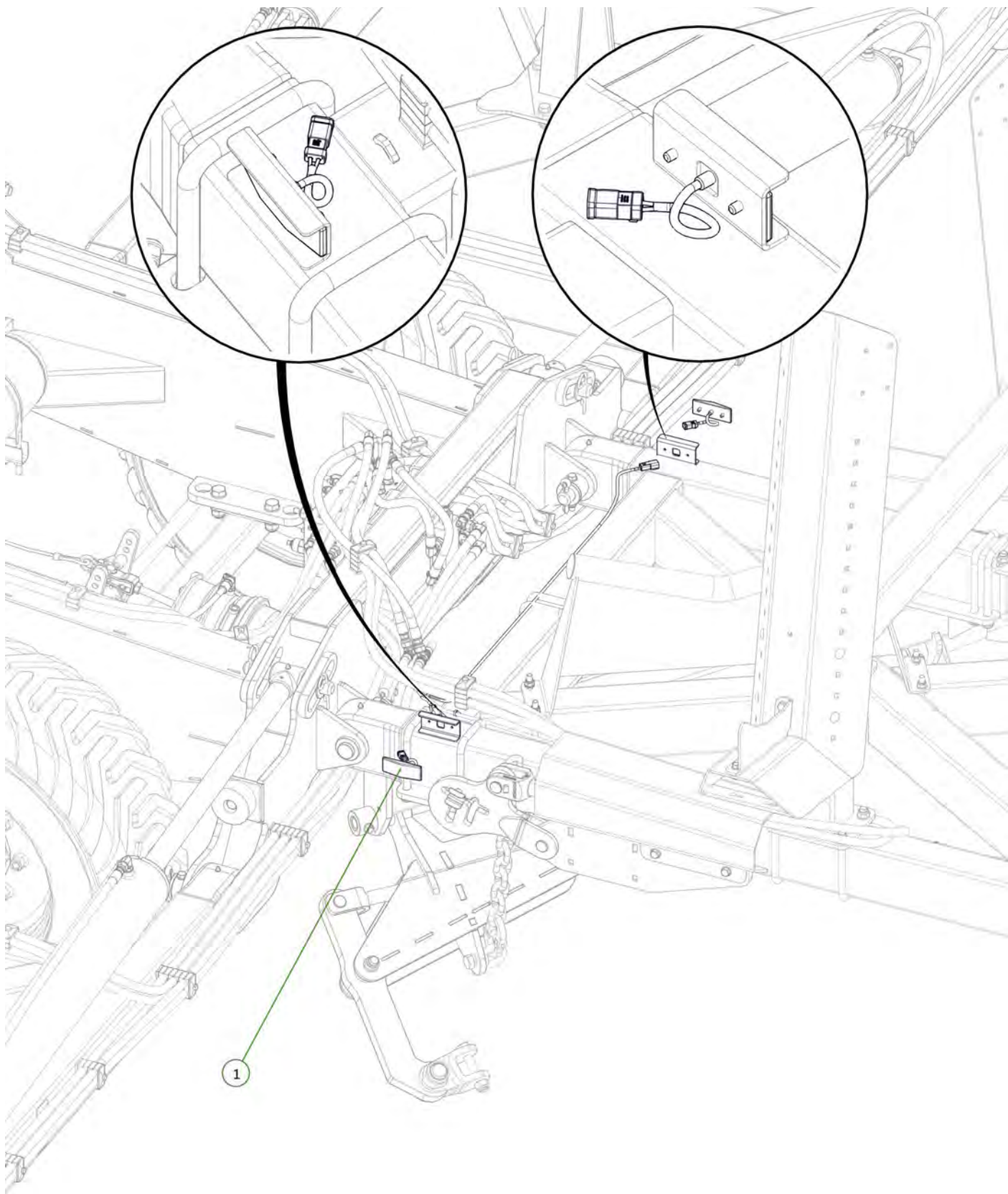
Item No.	Description	Qty	Number
1	EU Rear Light Bracket	2	1510-238
2	M10 x 30 Class 8.8 ZP Bolt	4	0211-1030
3	Washer Flat M10	8	0231-F10
4	Nyloc Nut M10	2	0221-NYL10





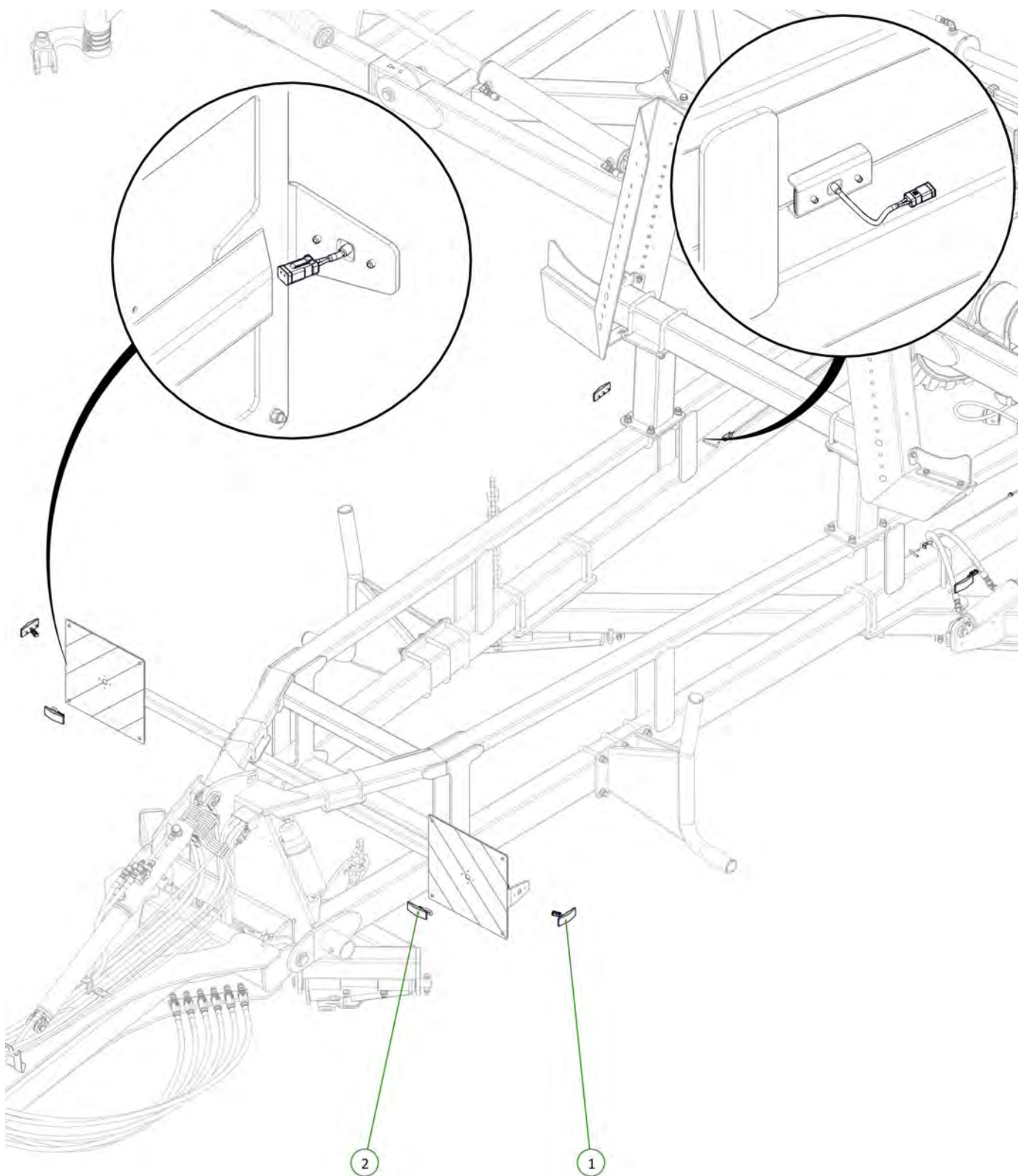
Item No.	Description	Qty	Number
1	LED Combination Tail Light Left	1	0412-EU200L
2	LED Combination Tail Light Right	1	0412-EU200R
3	Nyloc Nut M5	4	0221-NYL5
4	Washer Flat M5	4	0231-F5
5	EU38 Series Amber Position Marker Light	2	0412-LEDEU38AMB



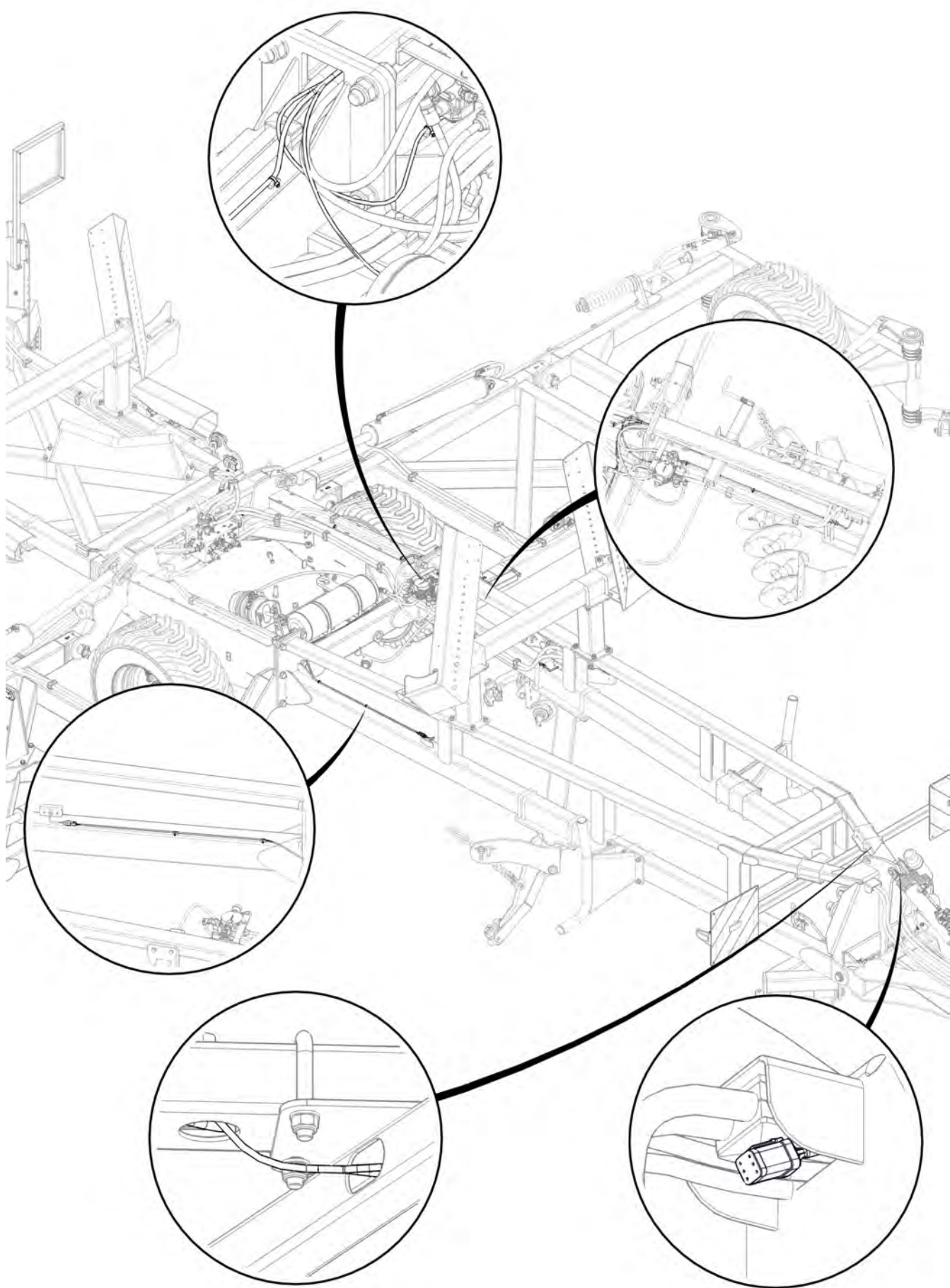


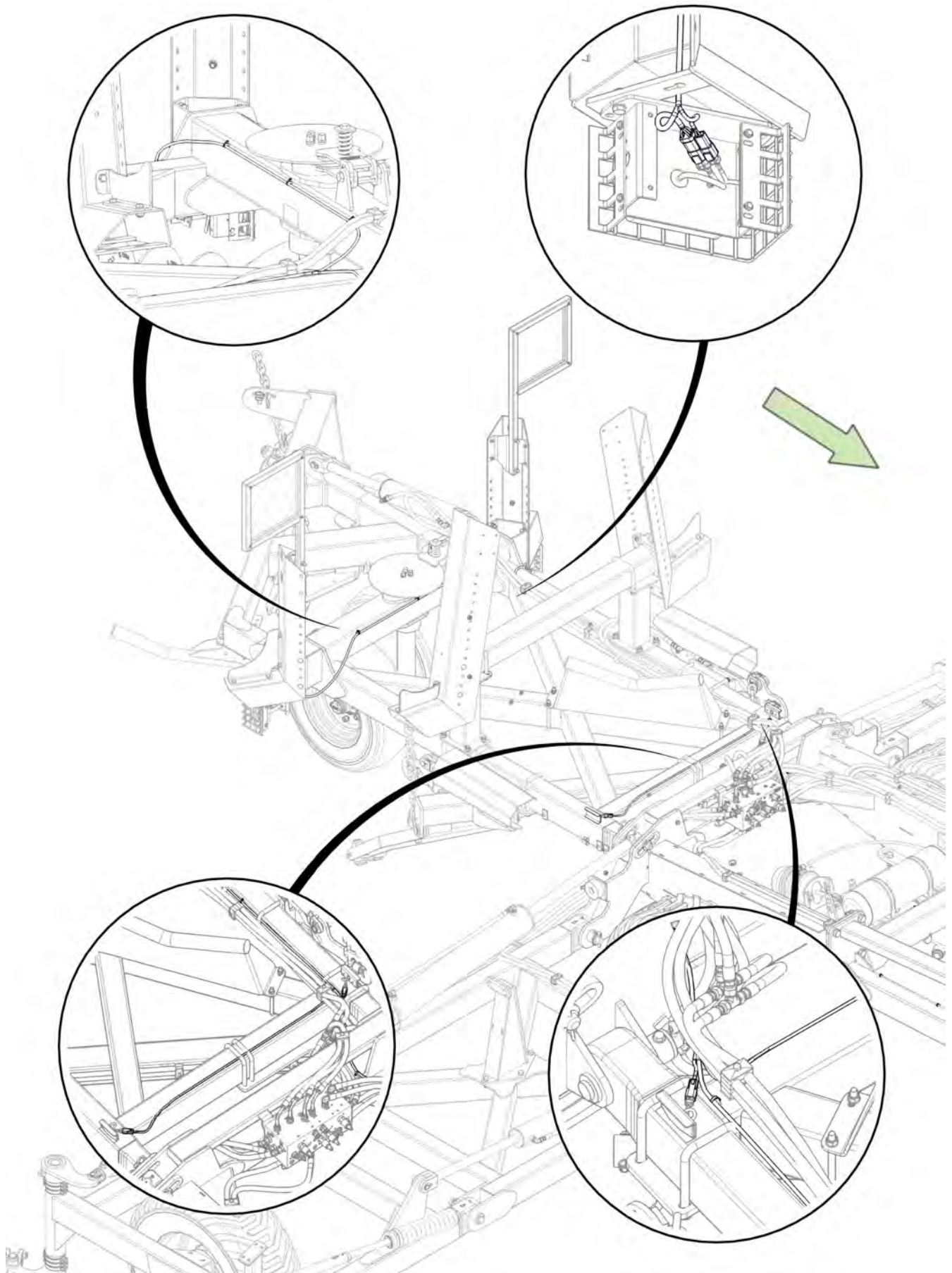
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1	EU38 Series Amber Position Marker Light	2	0412-LEDEU38AMB

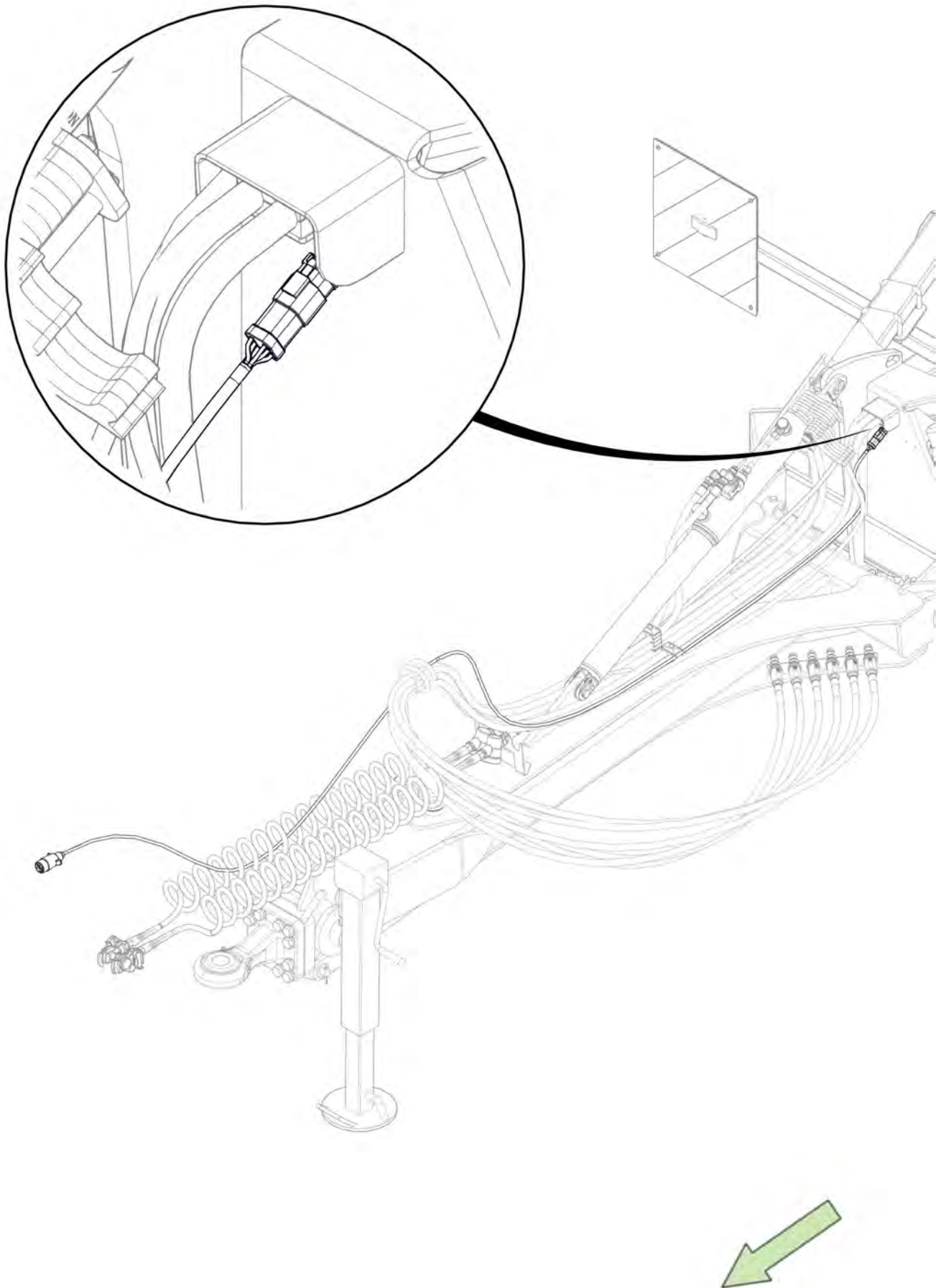




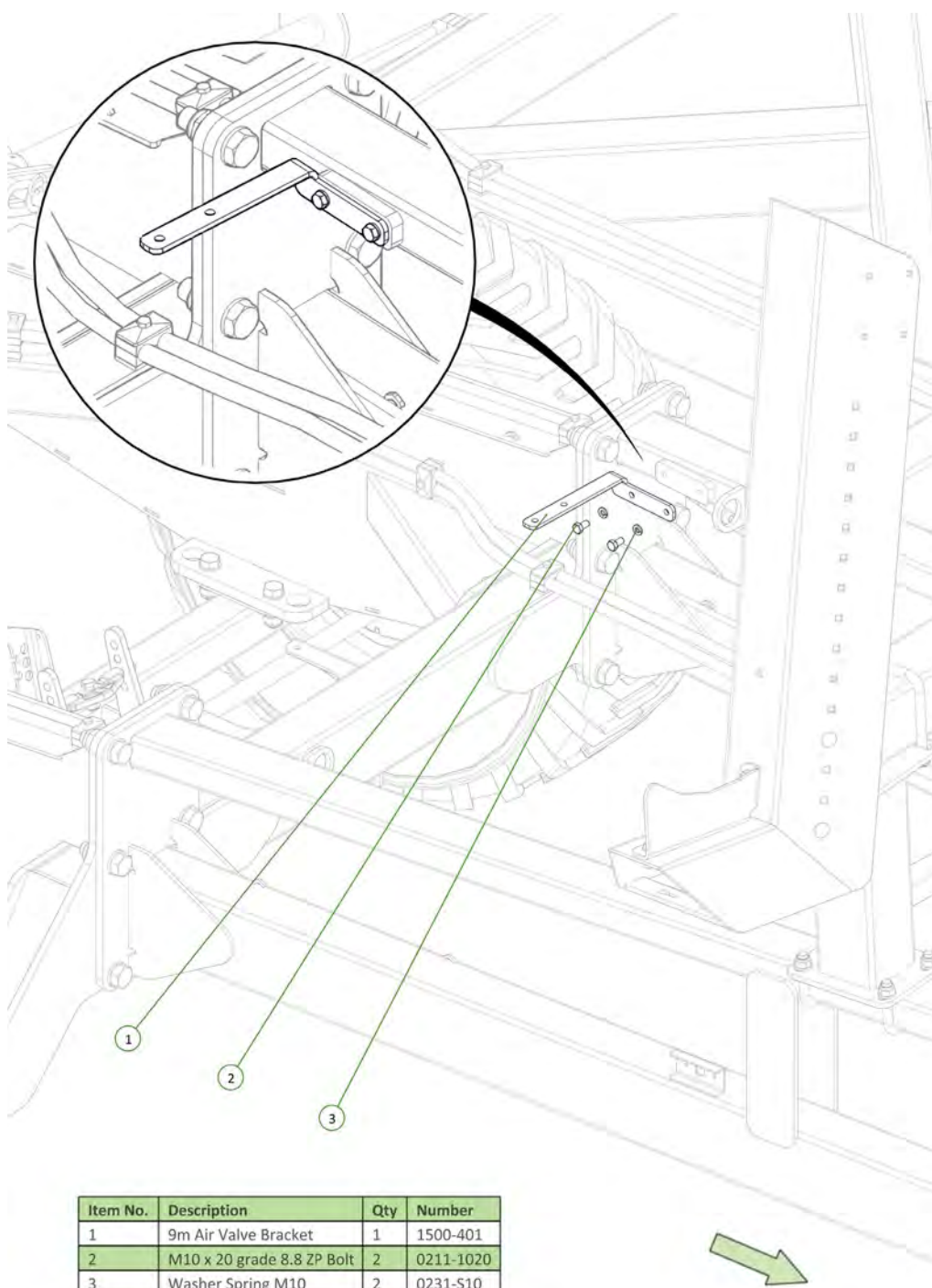
Item No.	Description	Qty	Number
1	EU38 Series Amber Position Marker Light	4	0412-LEDEU38AMB
2	EU38 Series White Position Marker Light	2	0412-LEDEU38WMB

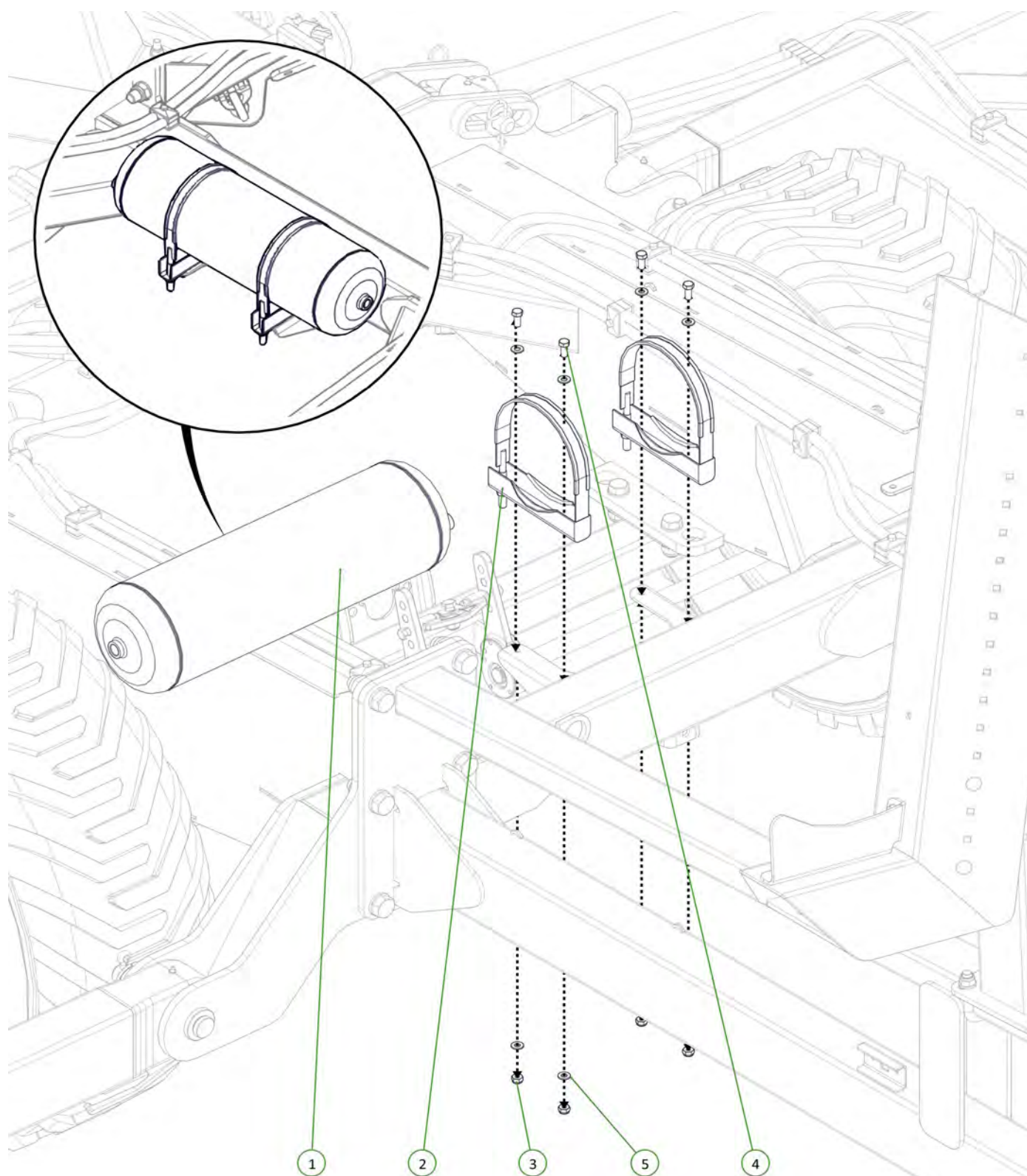




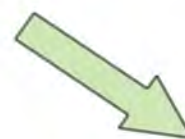


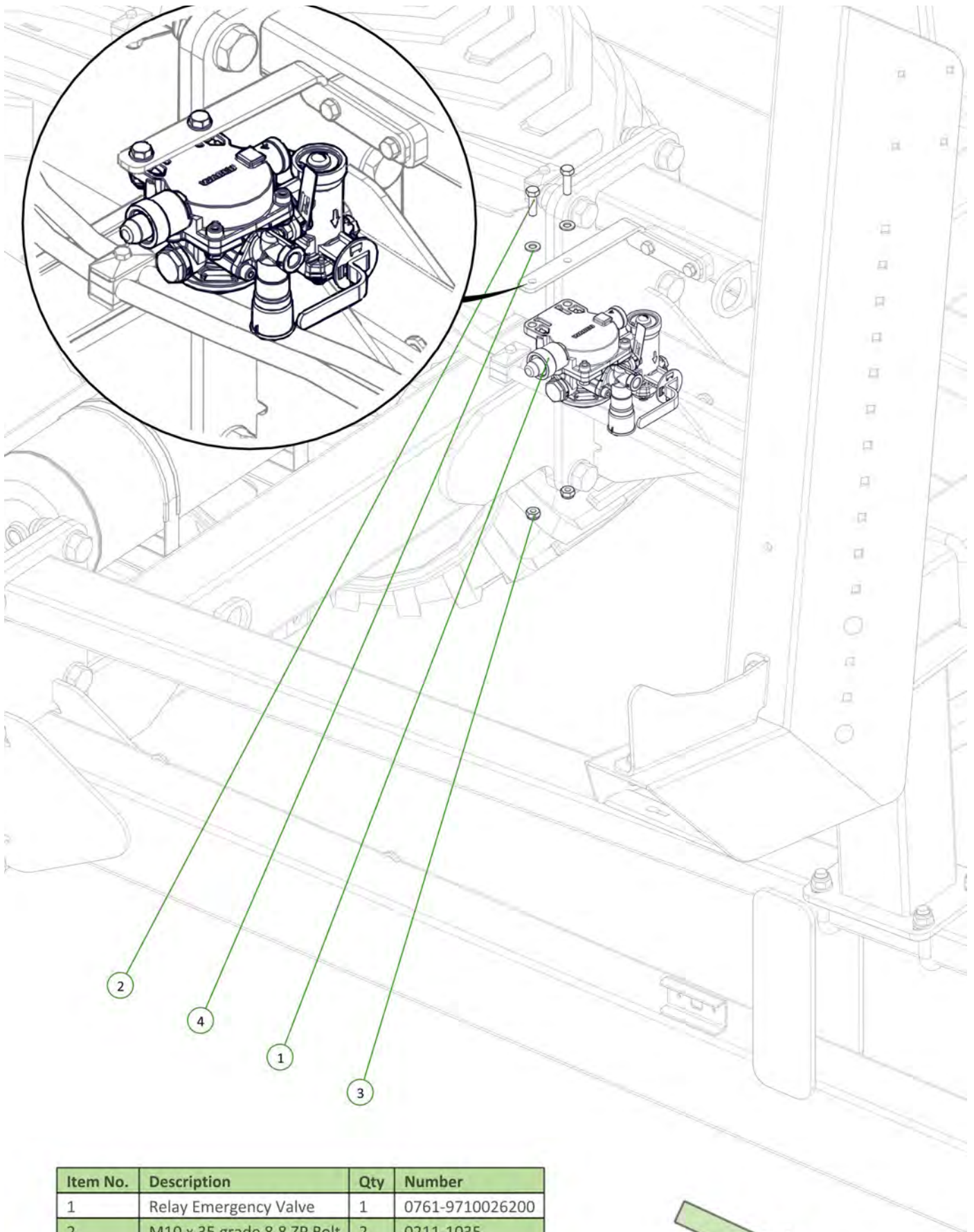
Section 3 - Braking Components





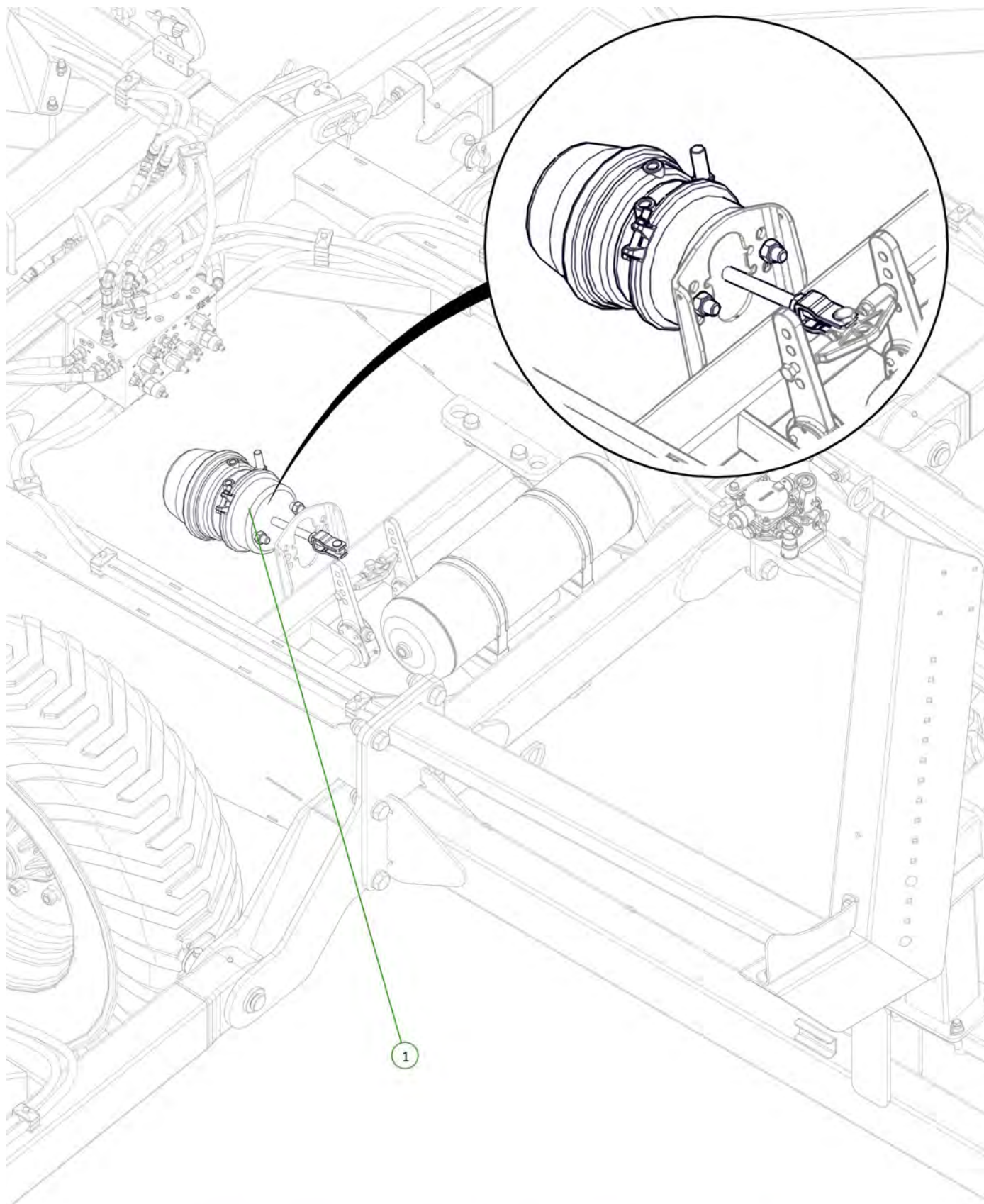
Item No.	Description	Qty	Number
1	Air Reservoir 20L	1	0761-9504200030
2	20L Air Reservoir Bracket	2	0761-9504053512
3	Nyloc Nut M10	4	0221-NYL10
4	M10 x 25 grade 8.8 ZP Bolt	4	0211-1025
5	Washer Flat M10	8	0231-F10



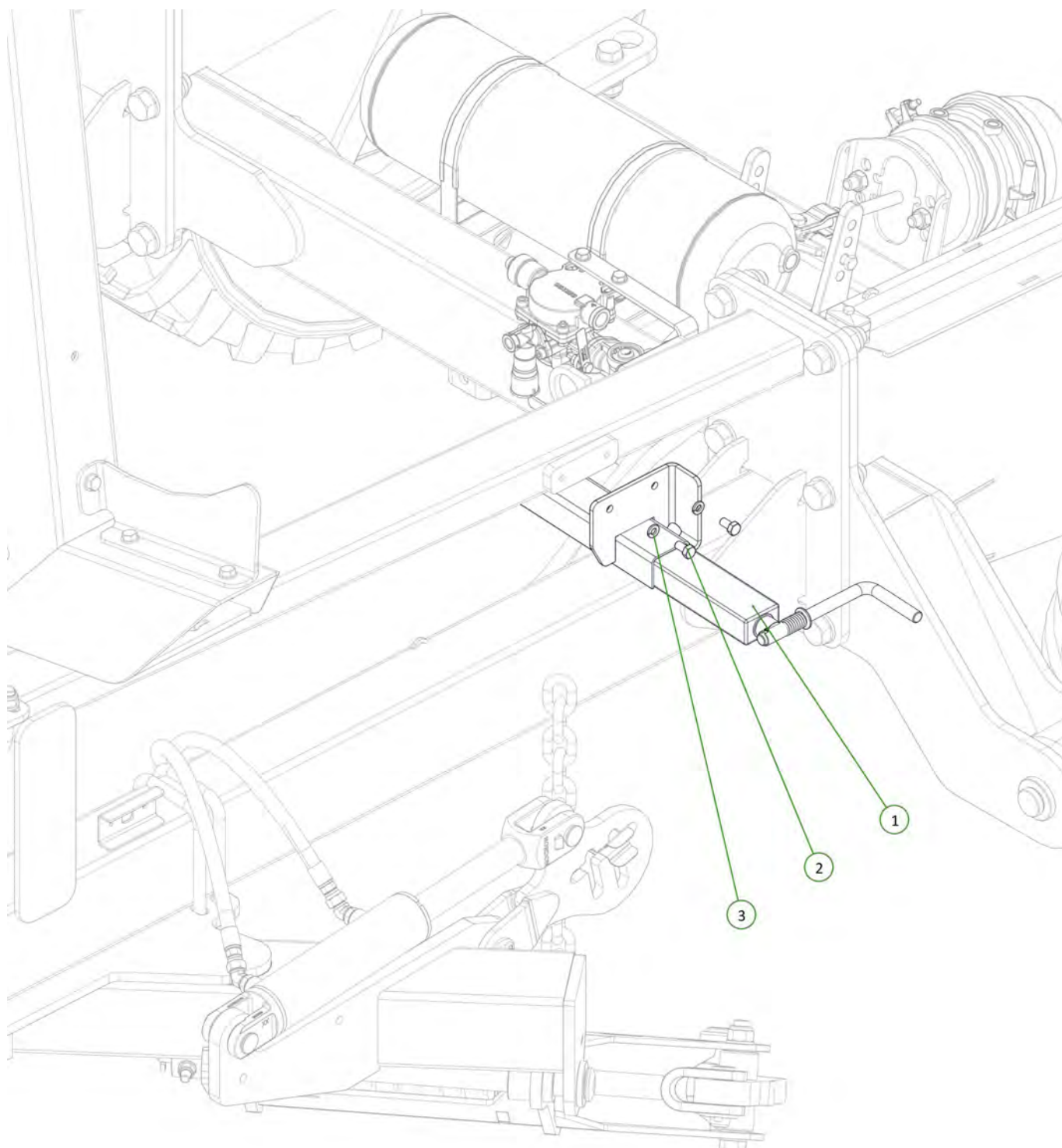


Item No.	Description	Qty	Number
1	Relay Emergency Valve	1	0761-9710026200
2	M10 x 35 grade 8.8 ZP Bolt	2	0211-1035
3	Nyloc Nut M10	2	0221-NYL10
4	Washer Flat M10	2	0231-F10



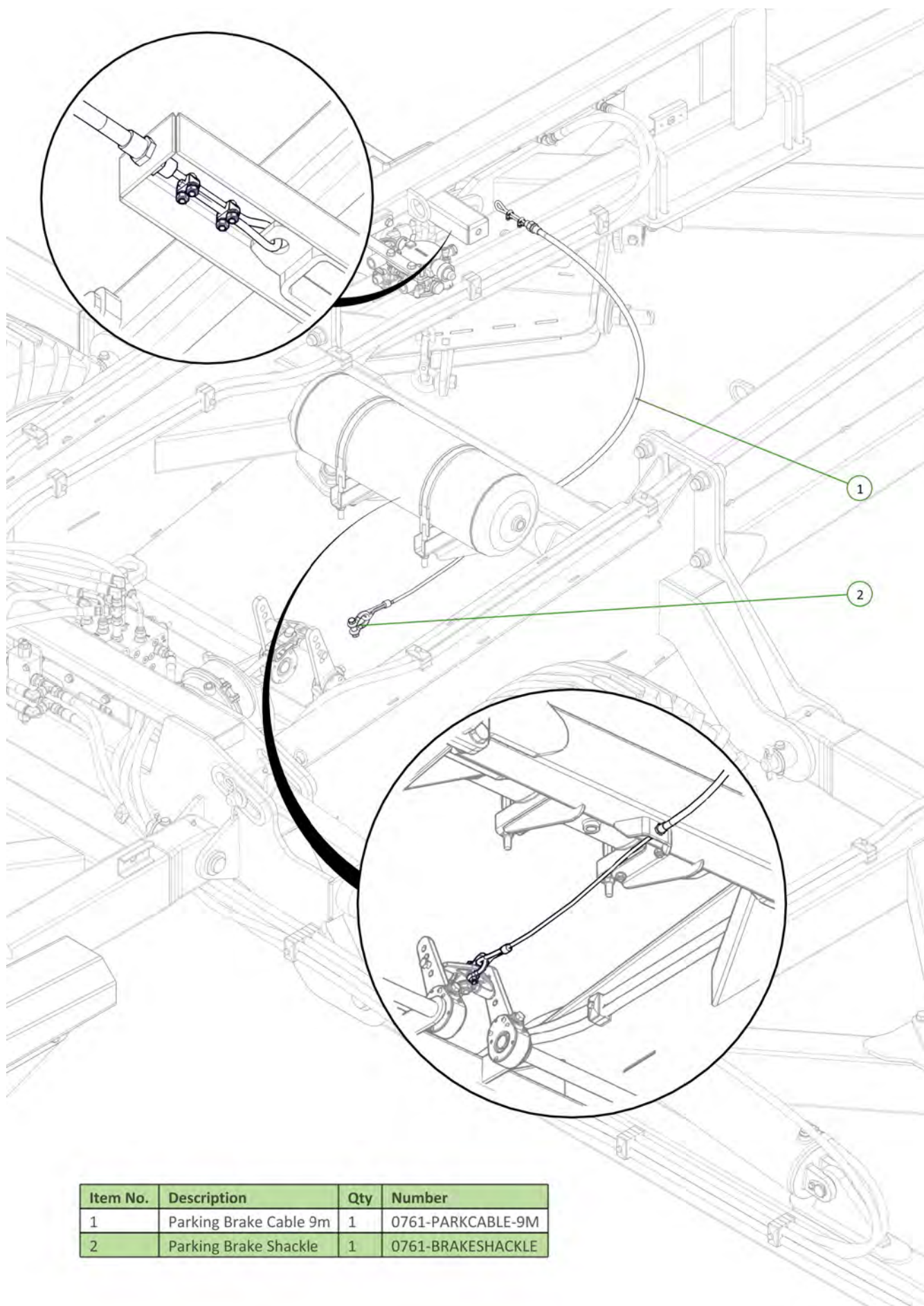


Item No.	Description	Qty	Number
1	Brake Chamber 24/30	1	0761-M357300053



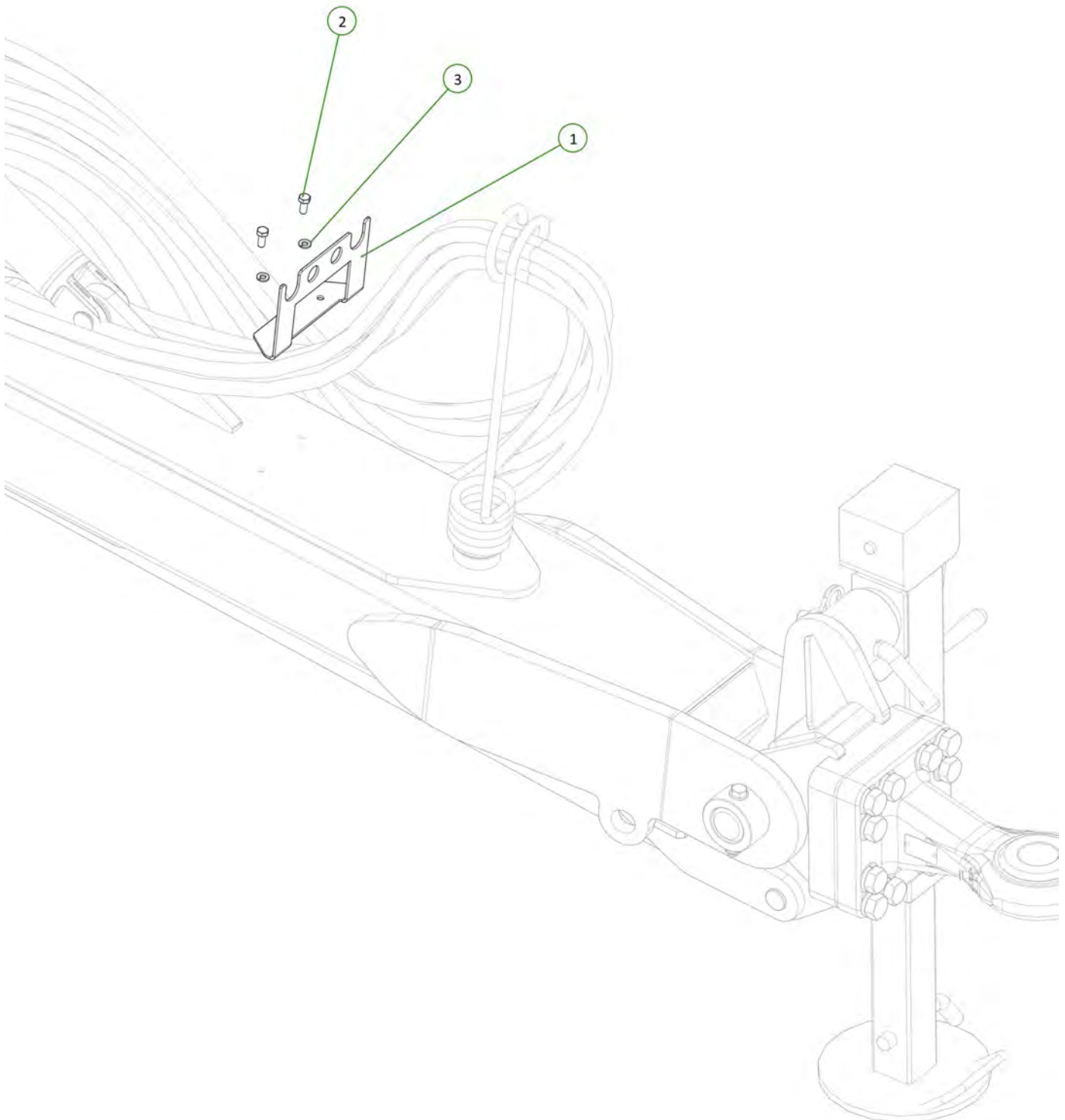
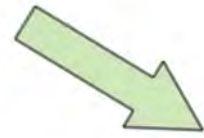
Item No.	Description	Qty	Number
1	9m Parking Brake Mechanism	1	0761-9MPB
2	M10 x 20 grade 8.8 ZP Bolt	2	0211-1020
3	Washer Spring M10	2	0231-S10



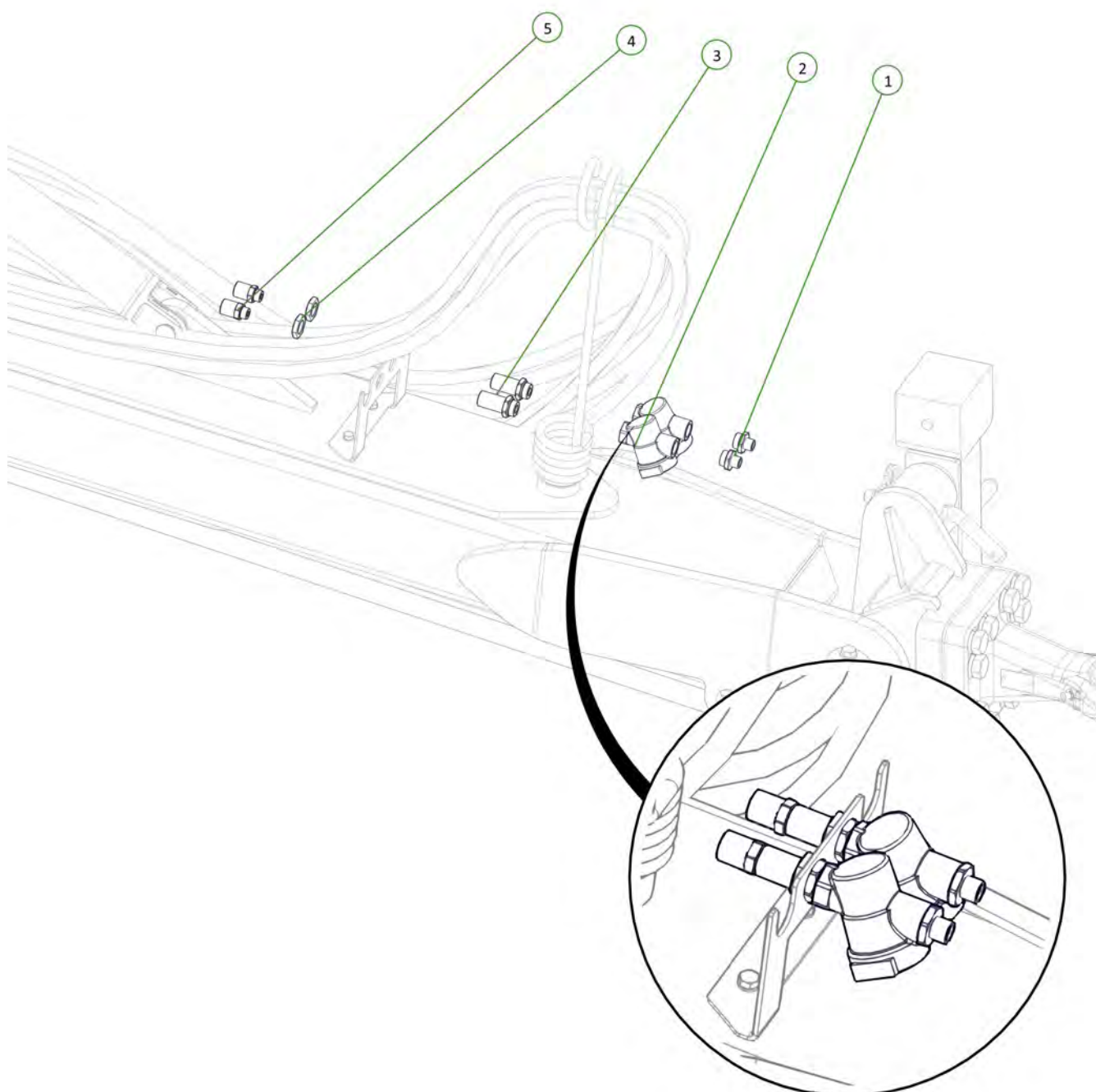


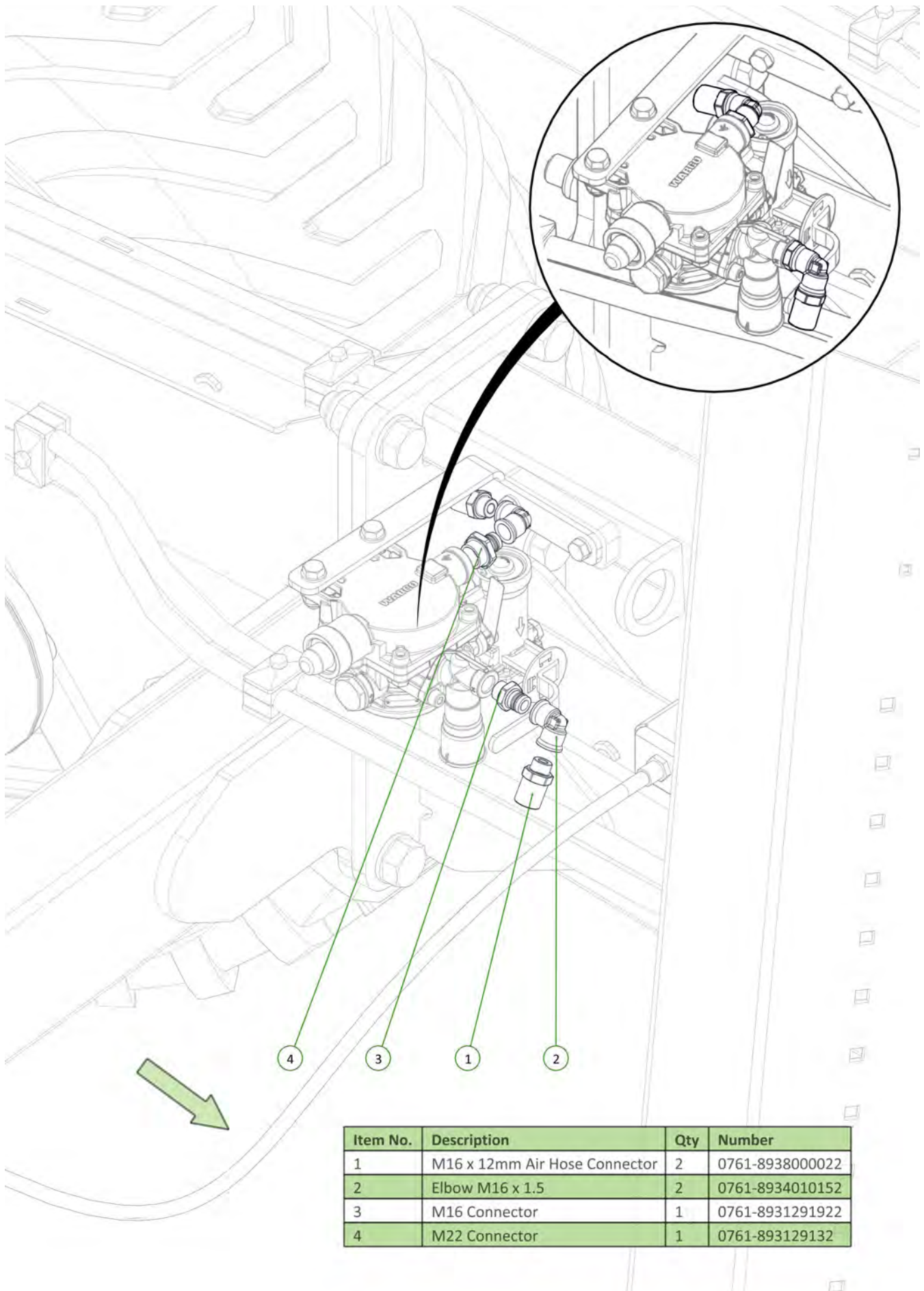
Item No.	Description	Qty	Number
1	Parking Brake Cable 9m	1	0761-PARKCABLE-9M
2	Parking Brake Shackle	1	0761-BRAKESHACKLE

Item No.	Description	Qty	Number
1	9m Air Coupling Storage Bracket	1	1500-402
2	M8 x 20 Class 8.8 ZP Bolt	2	0211-820
3	Washer Spring M8	2	0231-S8



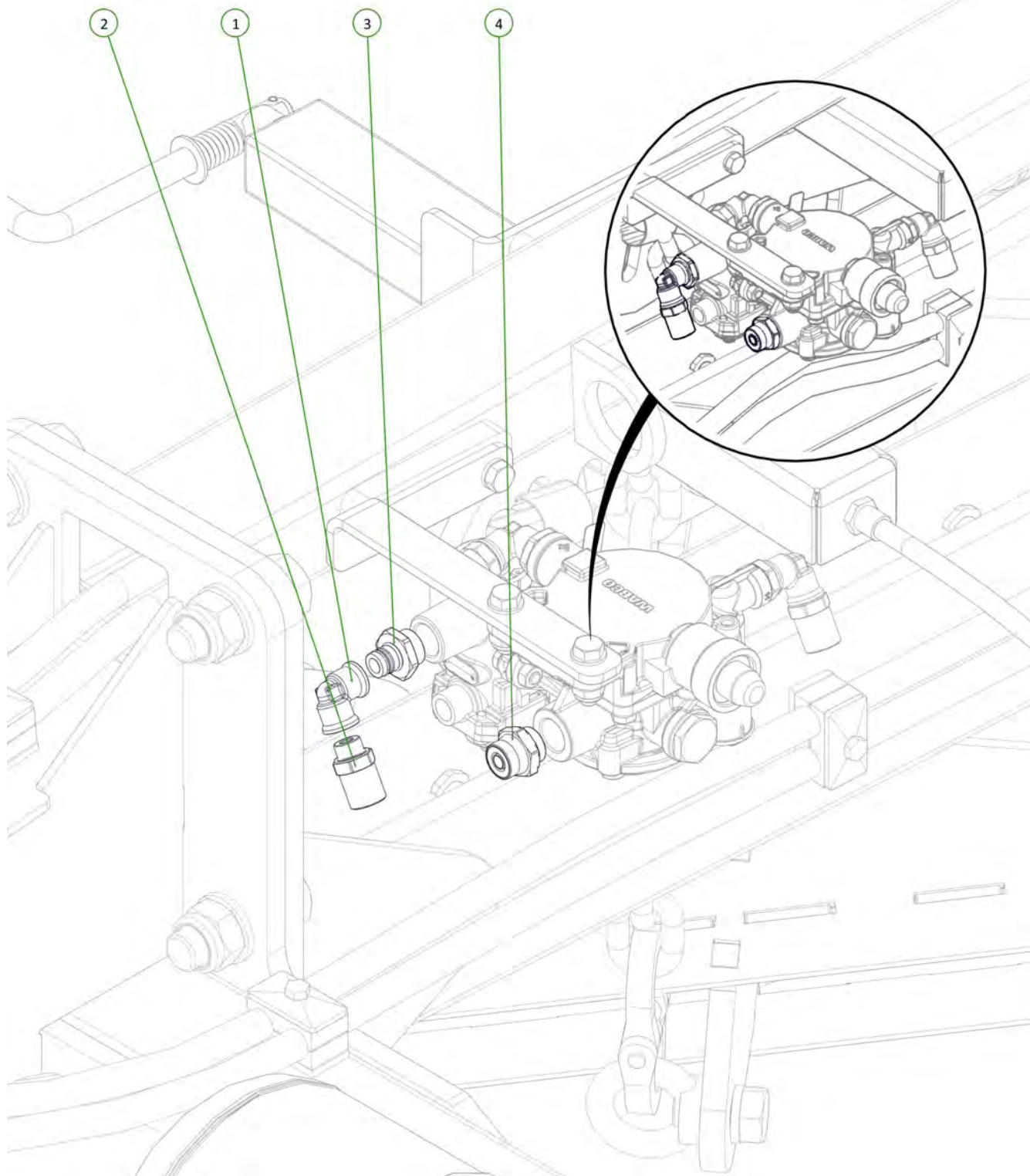
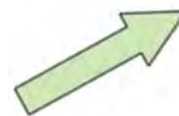
Item No.	Description	Qty	Number
1	M22/16 Straight Connector	2	0761-8931003404
2	Air Line Filter	2	0761-4325000200
3	Bulkhead Fitting	2	0761-8931042922
4	M22 Bulkhead Nut	2	0761-8915004544
5	M16 x 12mm Air Hose Connector	2	0761-8938000022



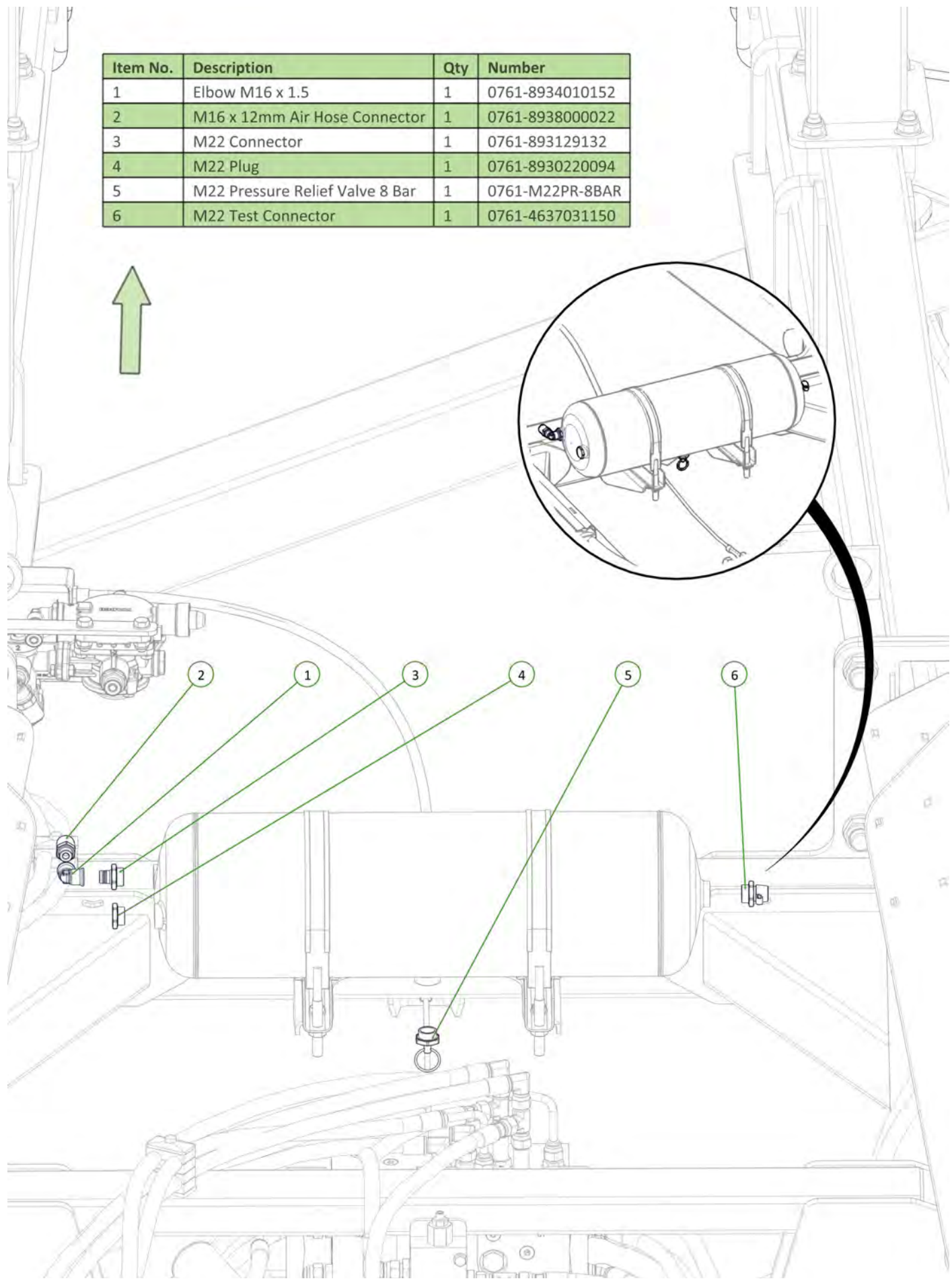


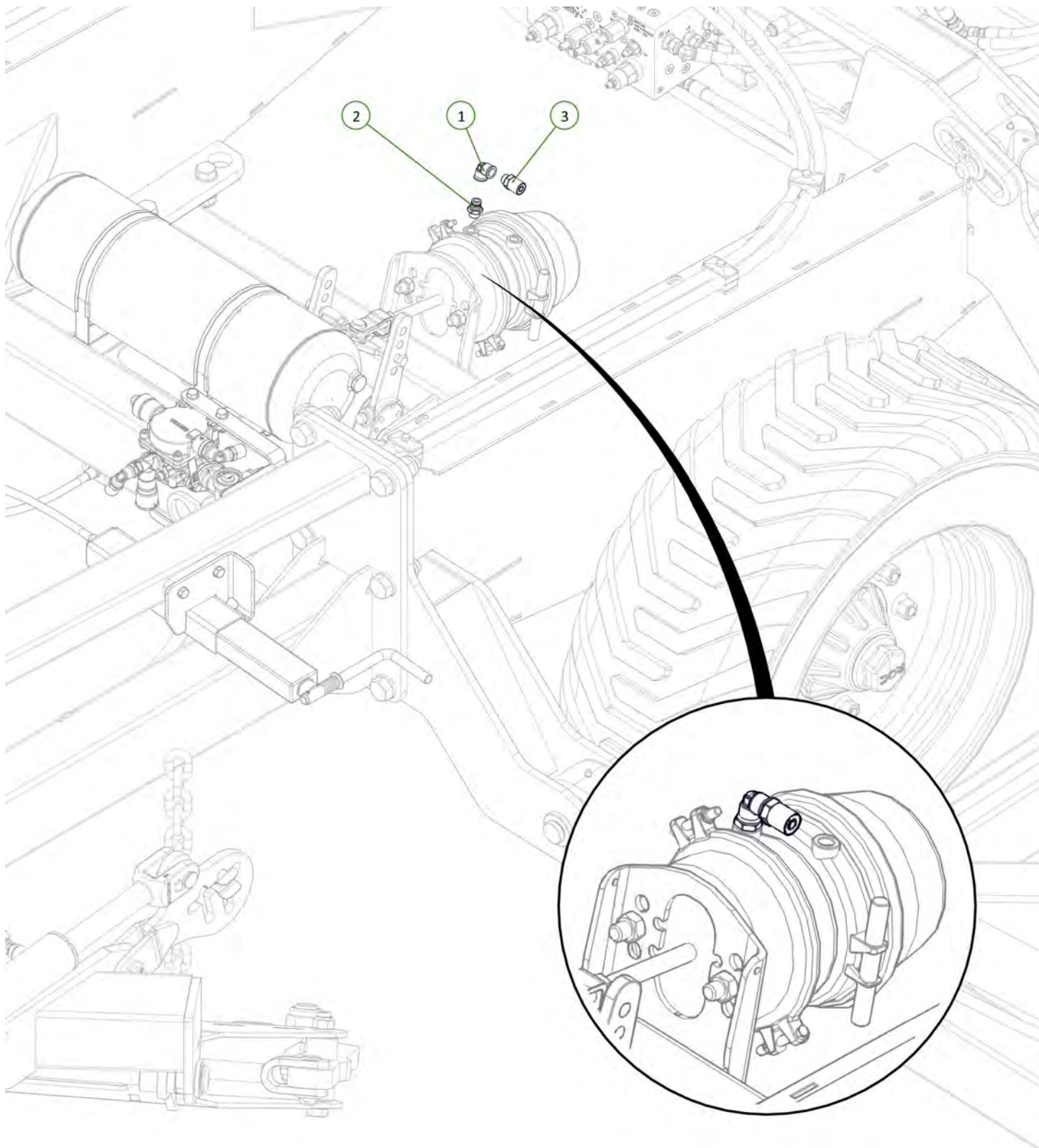
Item No.	Description	Qty	Number
1	M16 x 12mm Air Hose Connector	2	0761-8938000022
2	Elbow M16 x 1.5	2	0761-8934010152
3	M16 Connector	1	0761-8931291922
4	M22 Connector	1	0761-893129132

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

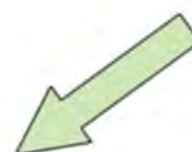


Item No.	Description	Qty	Number
1	Elbow M16 x 1.5	1	0761-8934010152
2	M16 x 12mm Air Hose Connector	1	0761-8938000022
3	M22 Connector	1	0761-893129132
4	M22 Plug	1	0761-8930220094
5	M22 Pressure Relief Valve 8 Bar	1	0761-M22PR-8BAR
6	M22 Test Connector	1	0761-4637031150

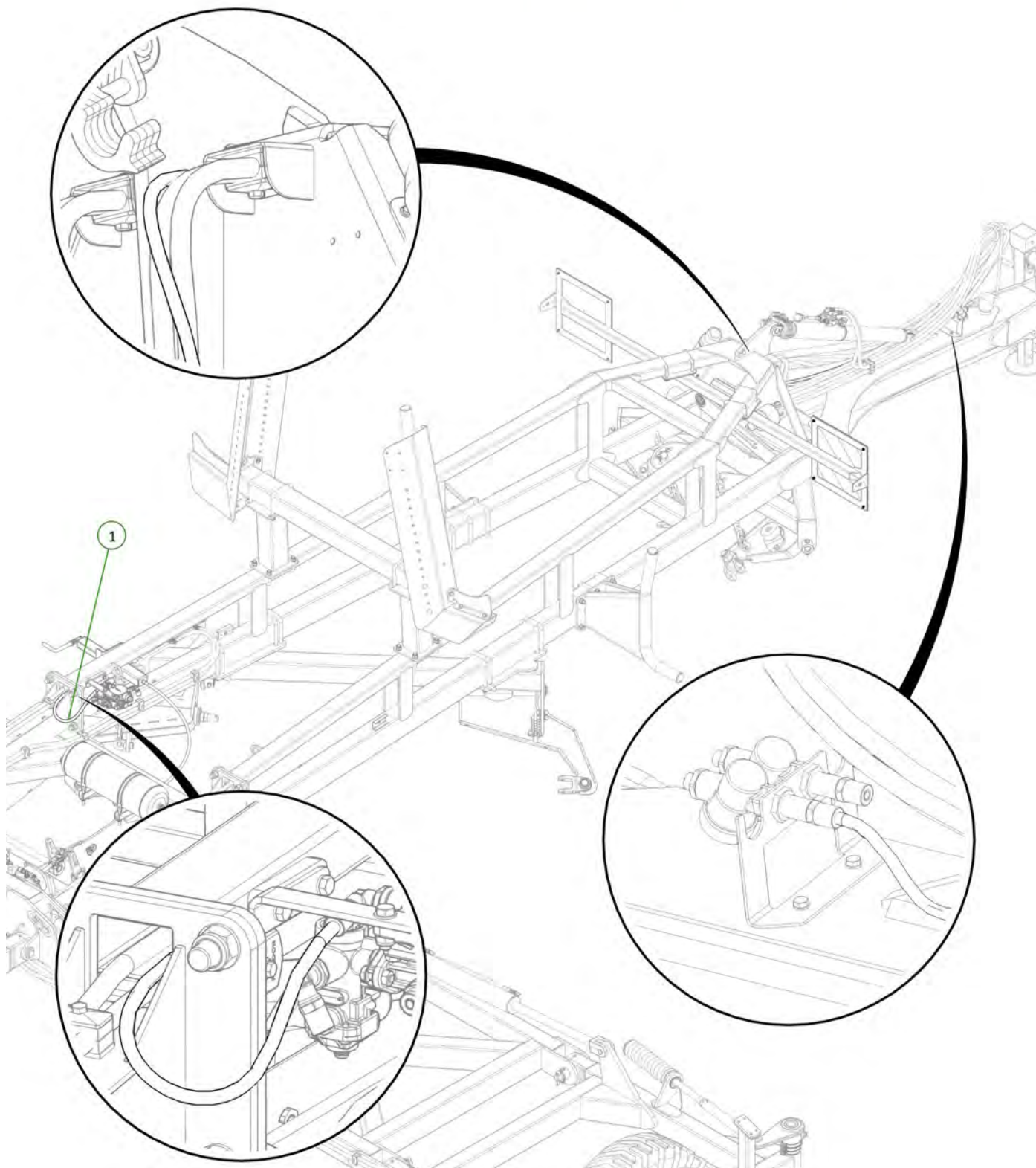




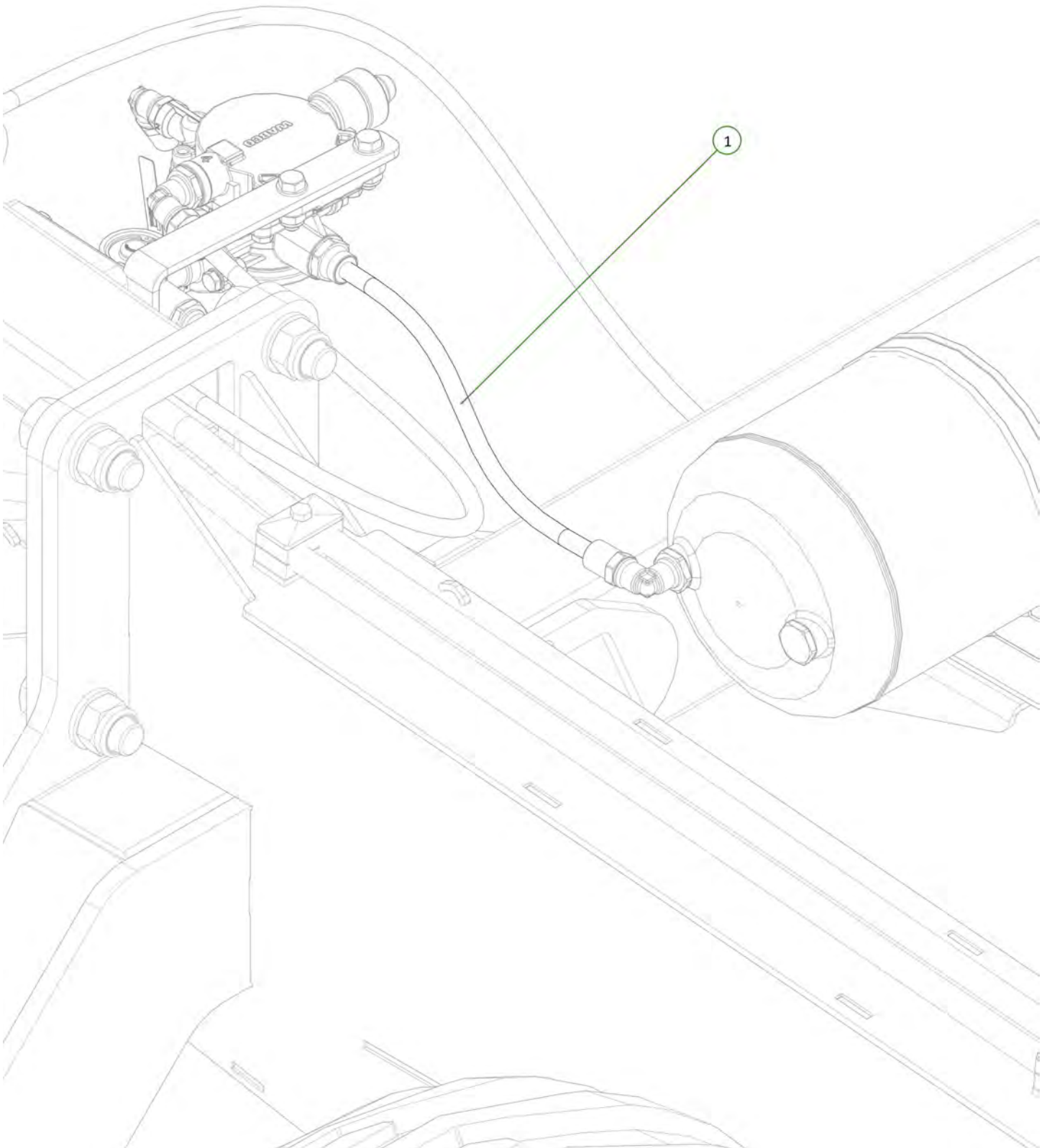
Item No.	Description	Qty	Number
1	Elbow M16 x 1.5	1	0761-8934010152
2	M16 Connector	1	0761-8931291922
3	M16 x 12mm Air Hose Connector	1	0761-8938000022

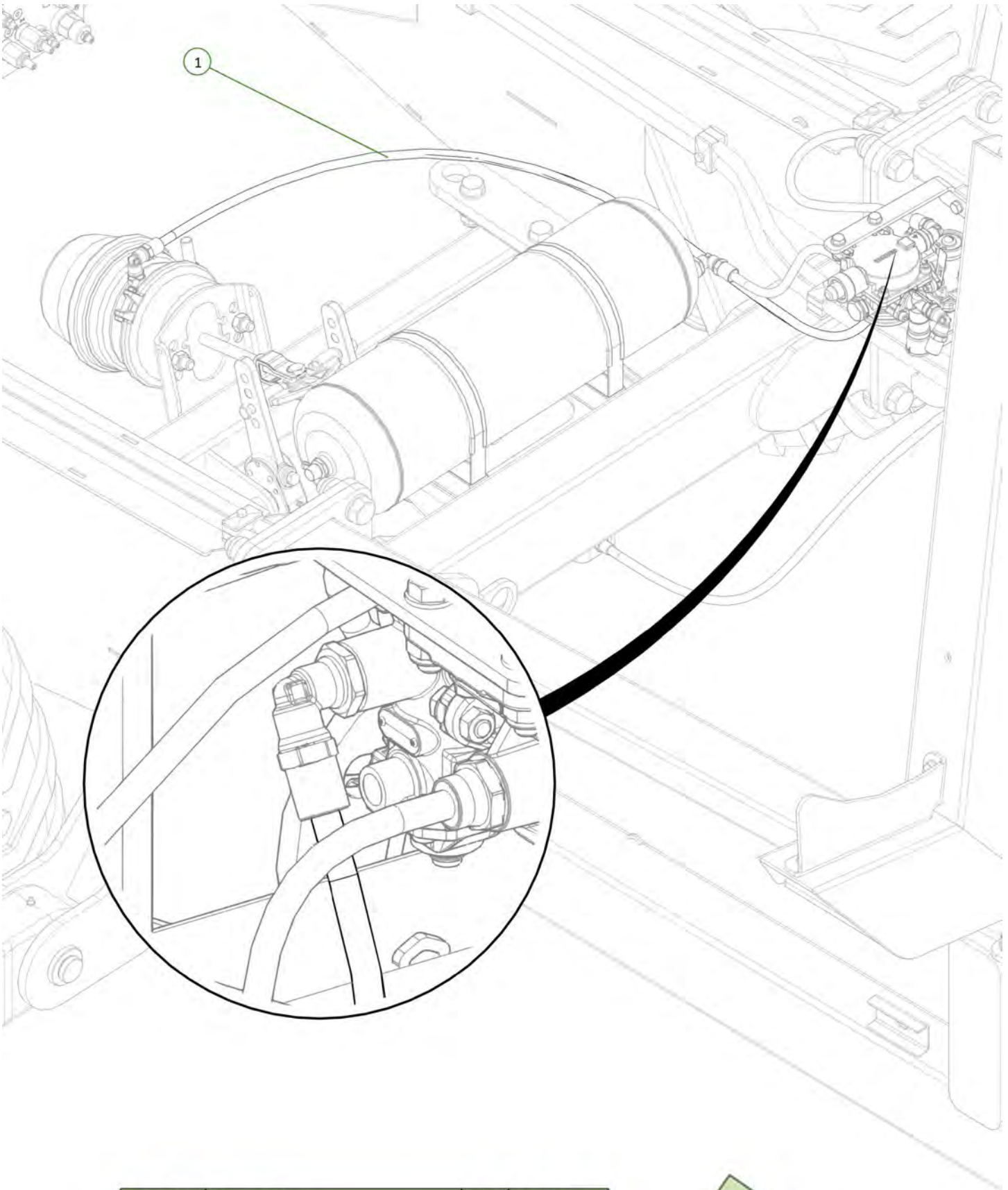


Item No.	Description	Qty	Number
1	Polyamide Air Brake Line 12mm	1	0761-TR12



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

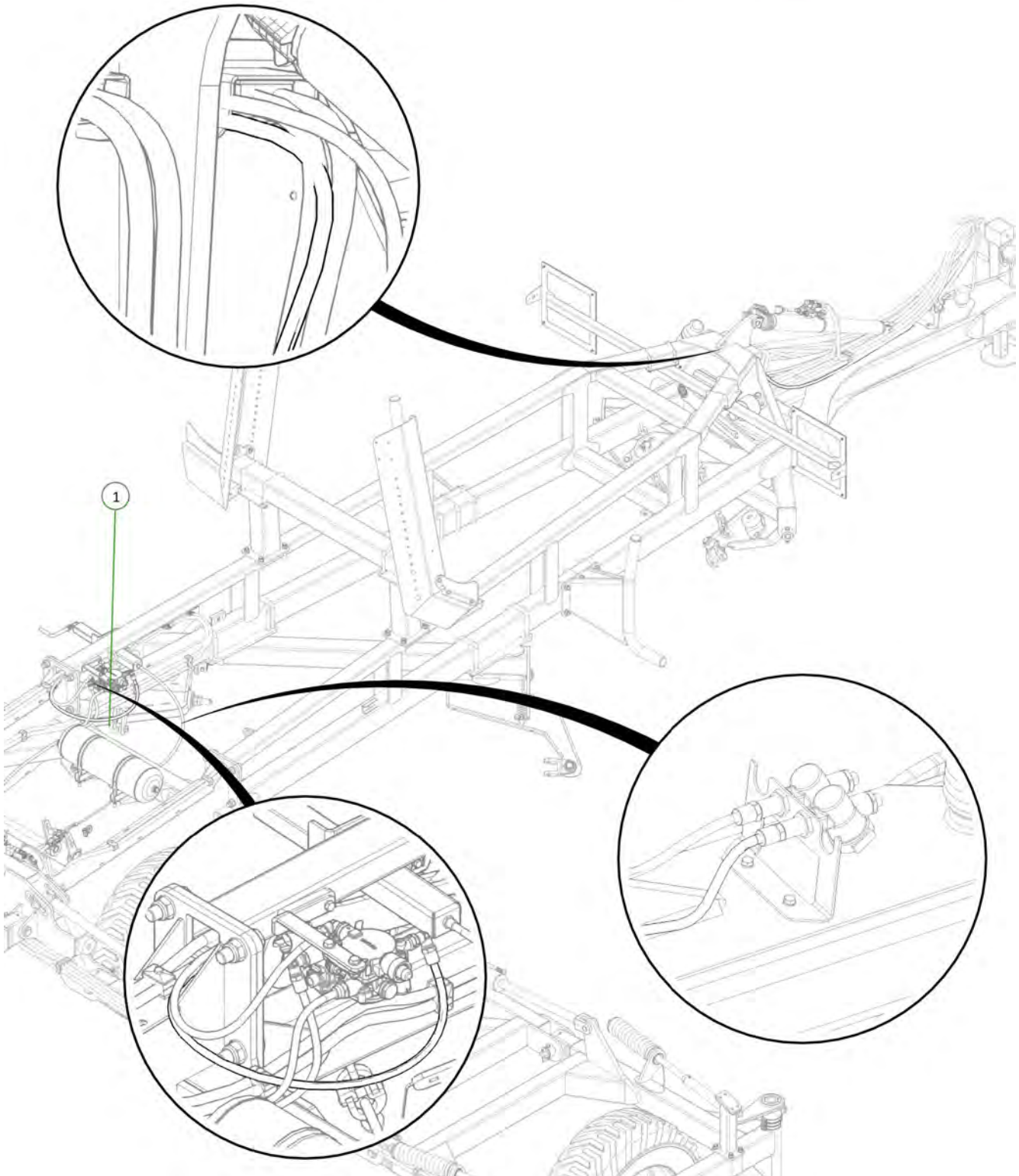
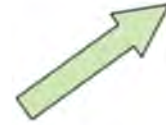




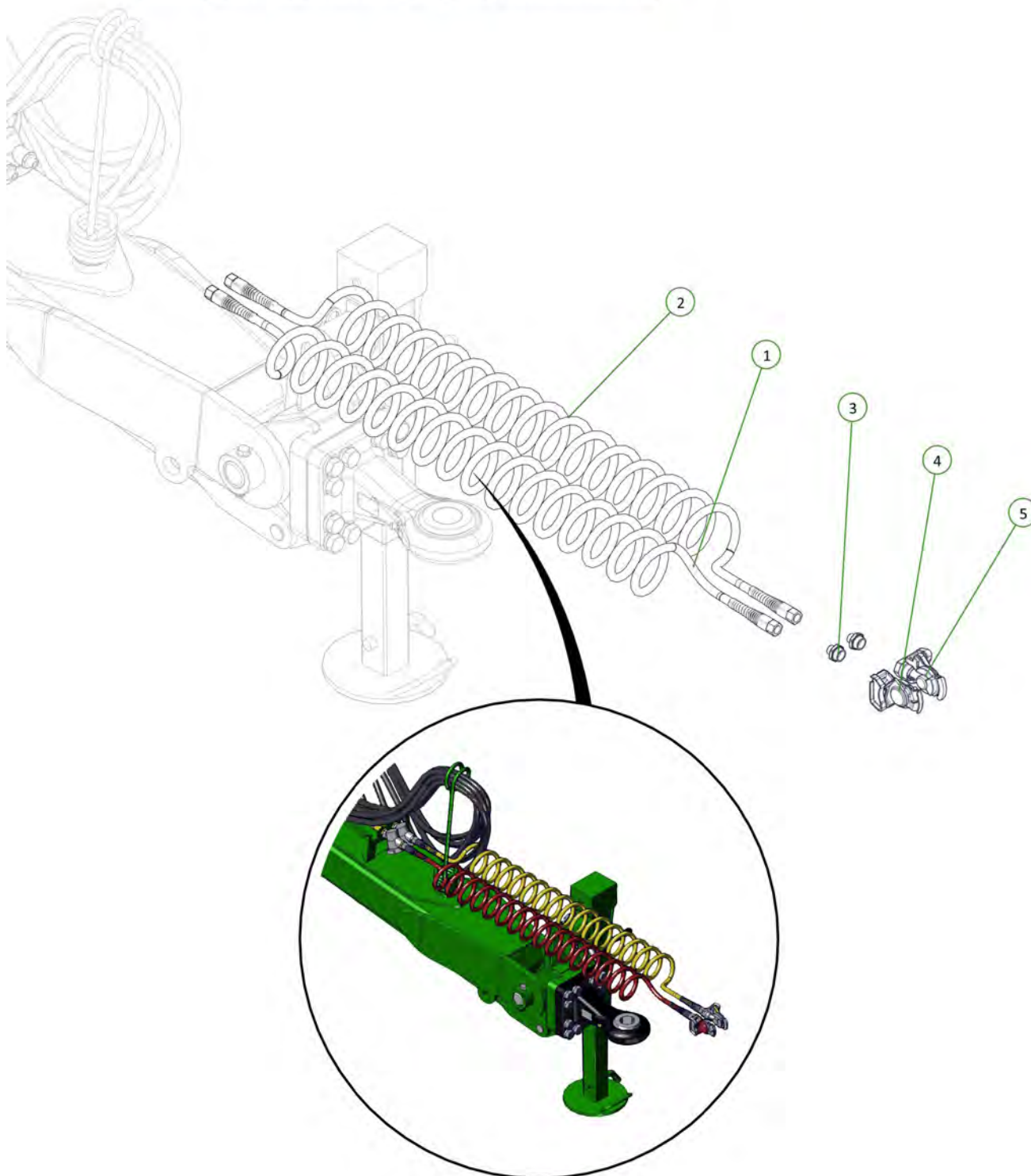
Item No.	Description	Qty	Number
1	Polyamide Air Brake Line 12mm	1	0761-TR12



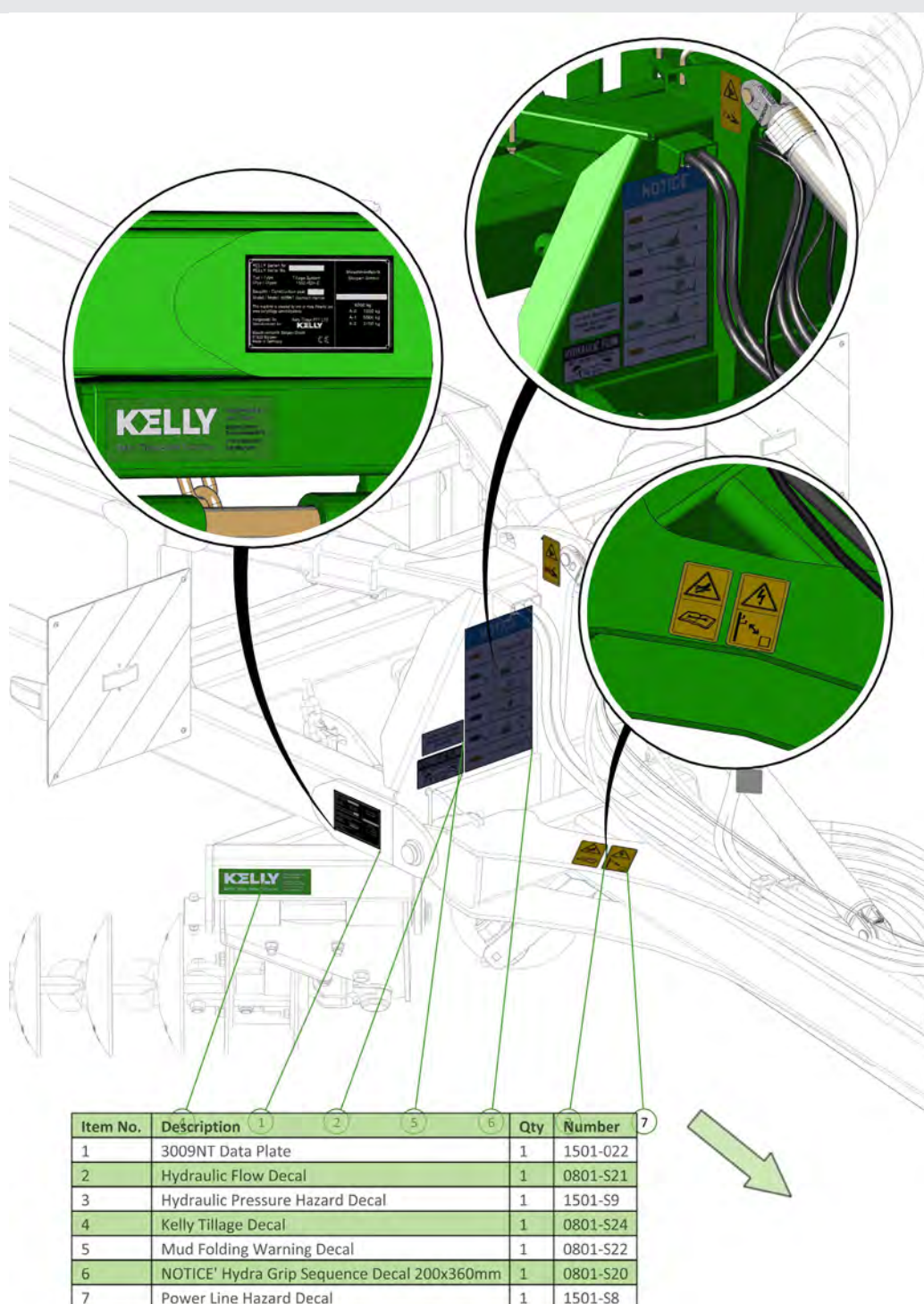
Item No.	Description	Qty	Number
1	Polyamide Air Brake Line 12mm	1	0761-TR12

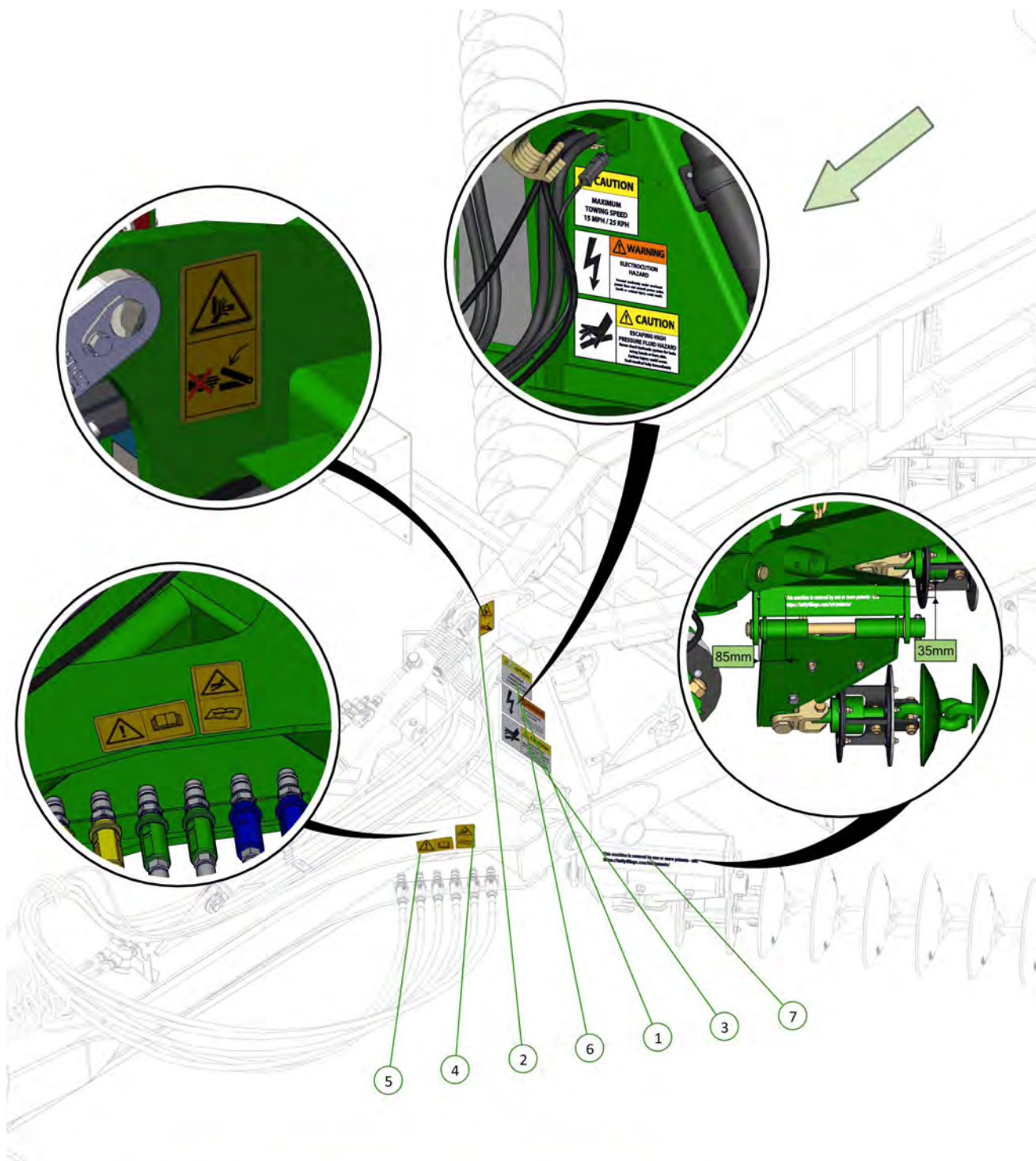


Item No.	Description	Qty	Number
1	Red Flexi Air Hose	1	0761-4527110580
2	Yellow Flexi Air Hose	1	0761-4527110590
3	M22/16 Straight Connector	2	0761-8931003404
4	Red Air Hose Coupling	1	0761-9528970070
5	Yellow Air Hose Coupling	1	0761-9528970060



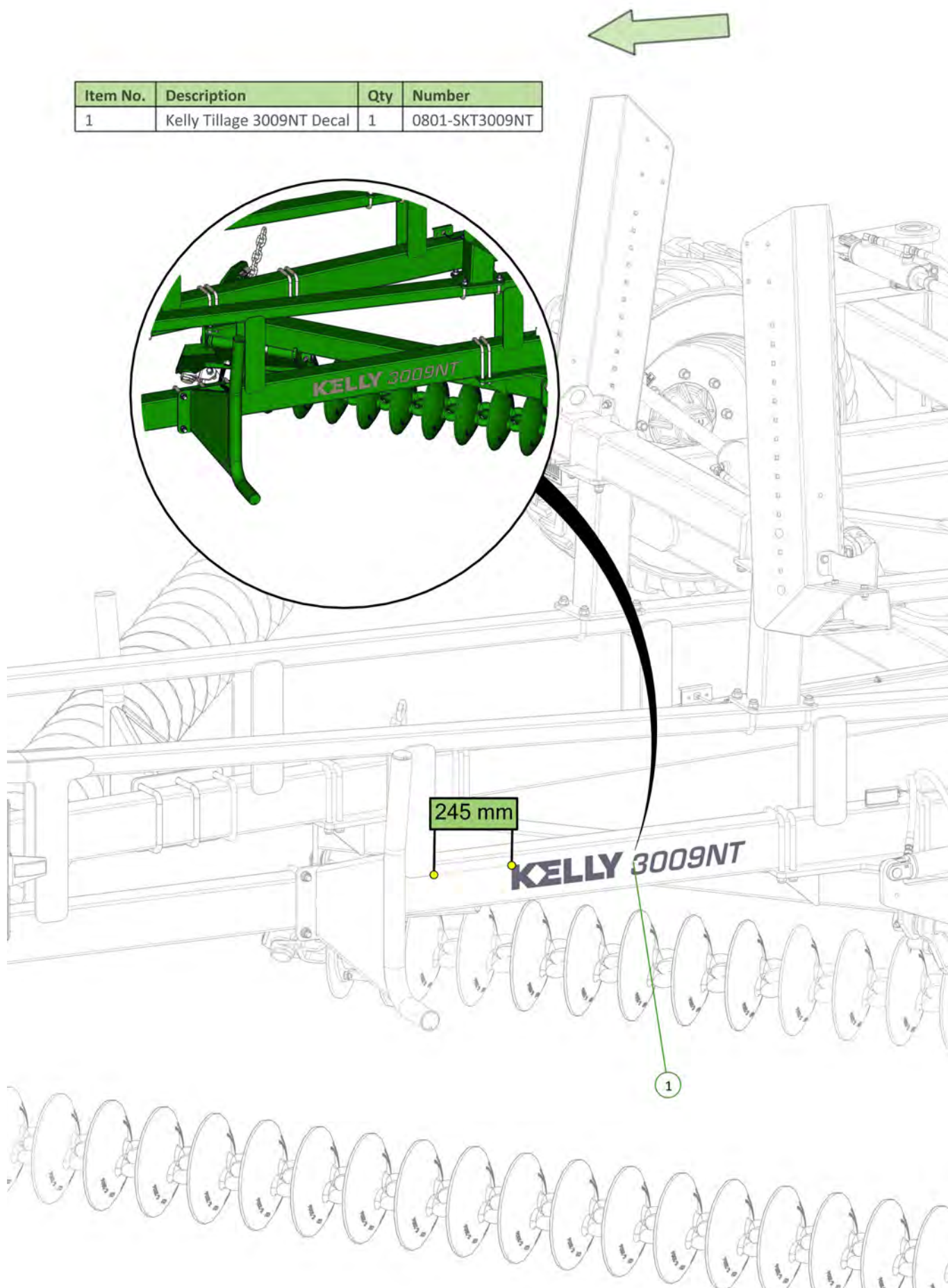
Section 4 - Decal Application



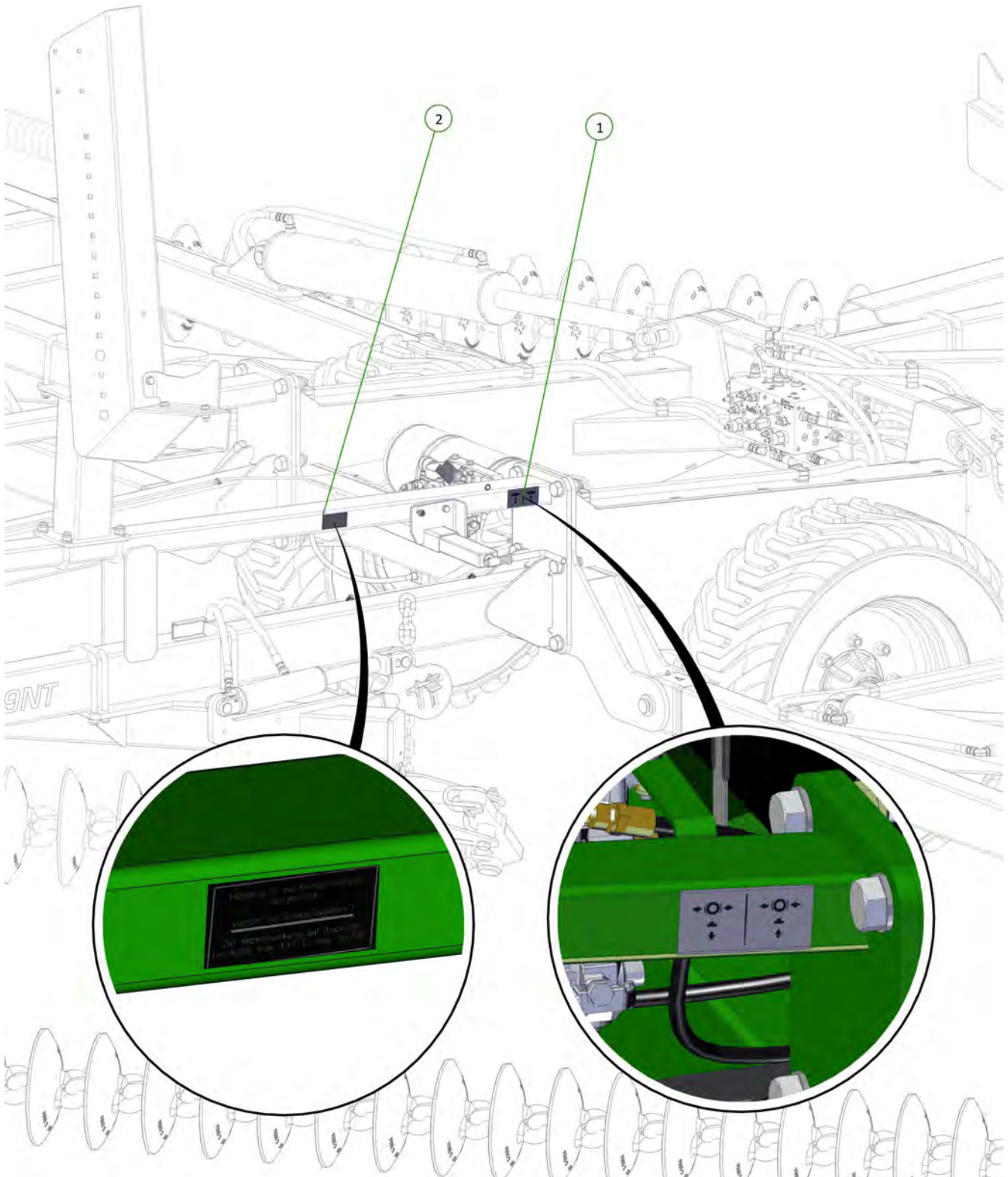
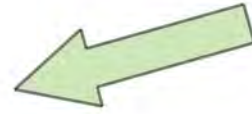


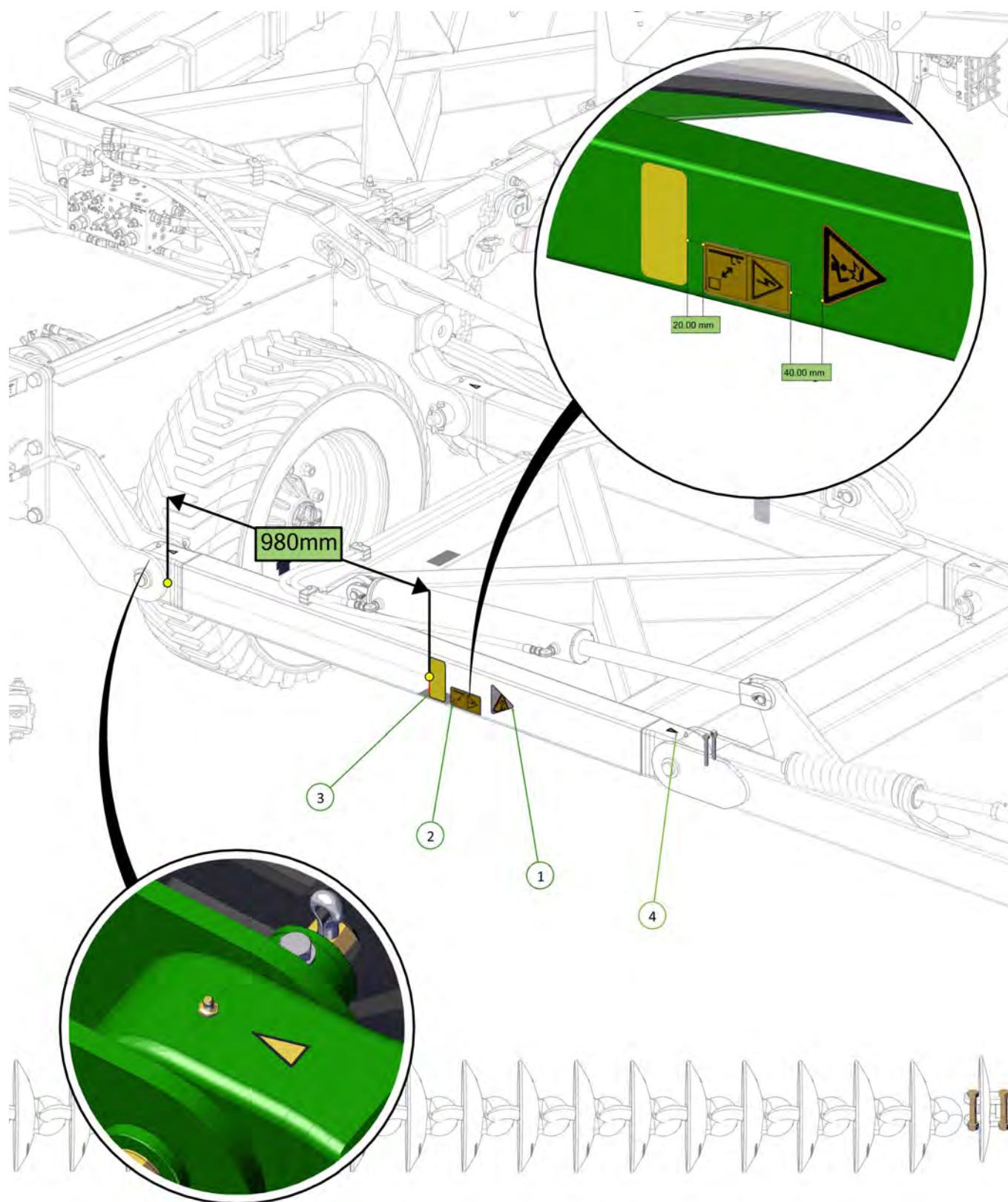
Item No.	Description	Qty	Number
1	Electrocution Hazard Decal	1	0801-S6
2	Euro Pinch Point Decal	1	1501-S1
3	Hydraulic Pressure Caution Decal	1	0801-S4
4	Hydraulic Pressure Hazard Decal	1	1501-S9
5	Read Manual Decal	1	1501-S3
6	Towing Speed Decal	1	0801-S5
7	Universal Patent Decal	1	0801-S26

Item No.	Description	Qty	Number
1	Kelly Tillage 3009NT Decal	1	0801-SKT3009NT



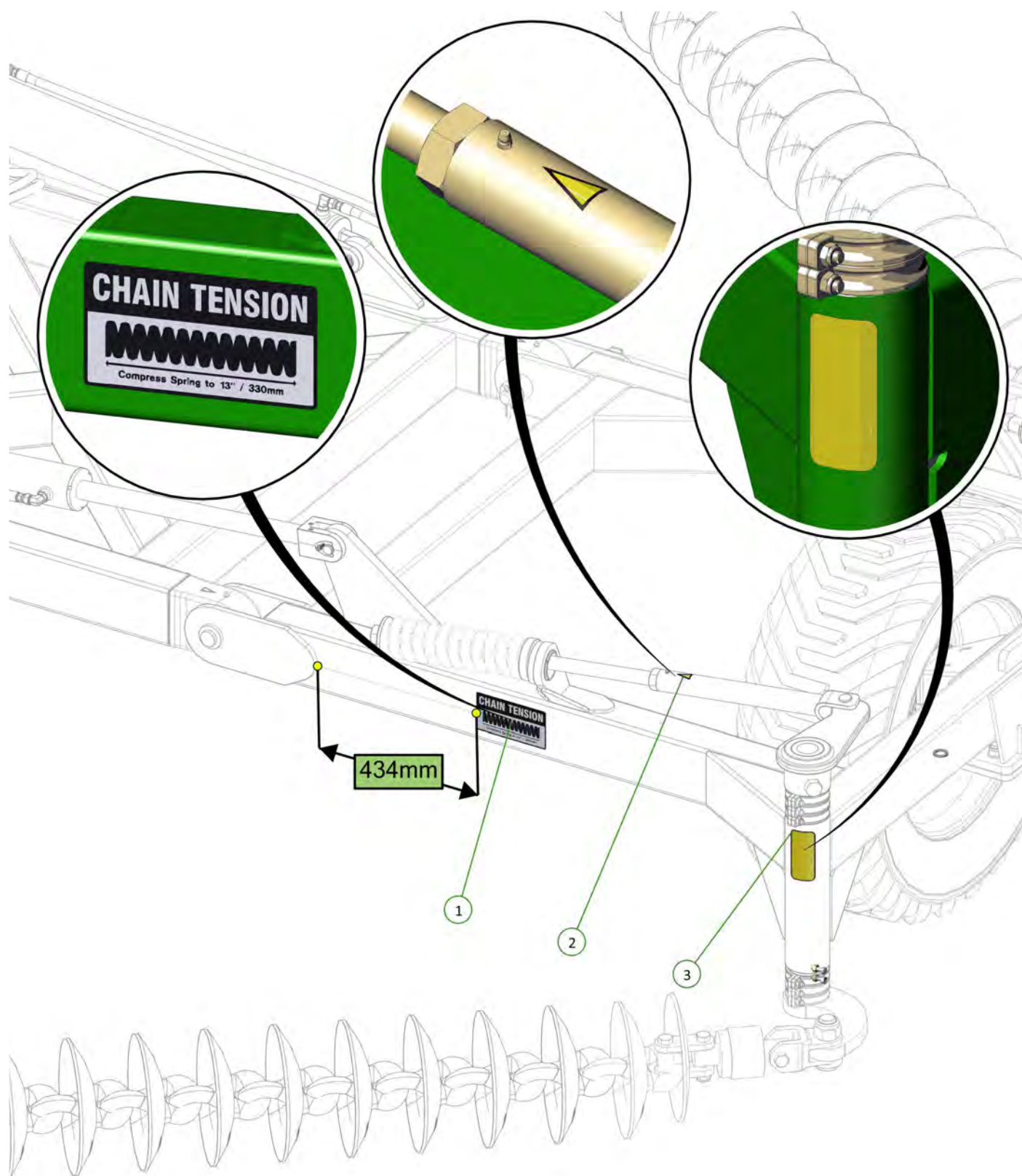
Item No.	Description	Qty	Number
1	Euro Park Brake Decal	1	1501-S2
2	Air Line Welding Hazard Decal	1	1501-S4





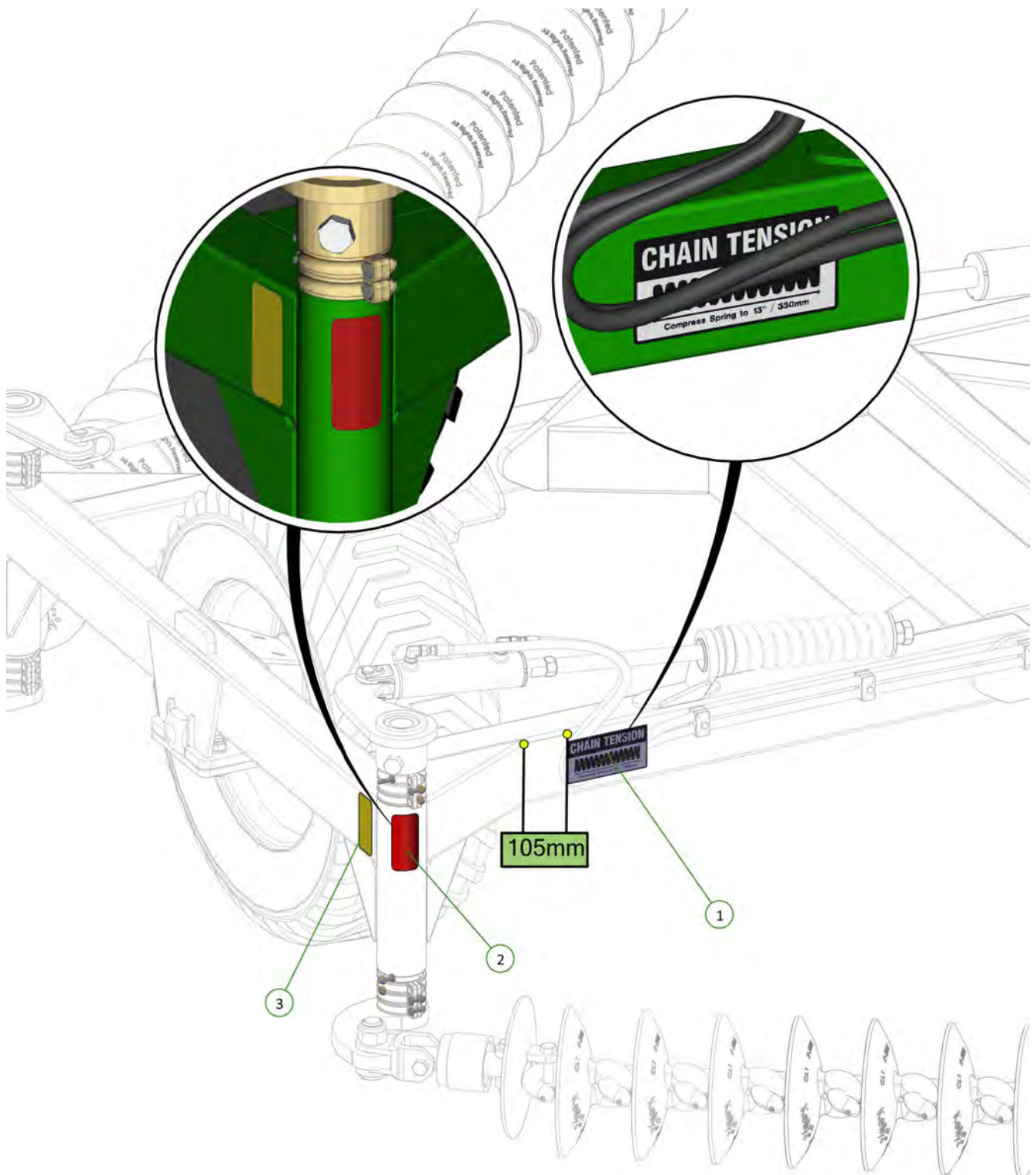
Item No.	Description	Qty	Number
1	EU Overhead Objects Decal	1	1501-S7
2	EU Power Line Hazard Decal	1	1501-S8
3	Yellow Reflective Decal	1	0801-SYRF
4	Grease Point Indicator	1	1501-S12





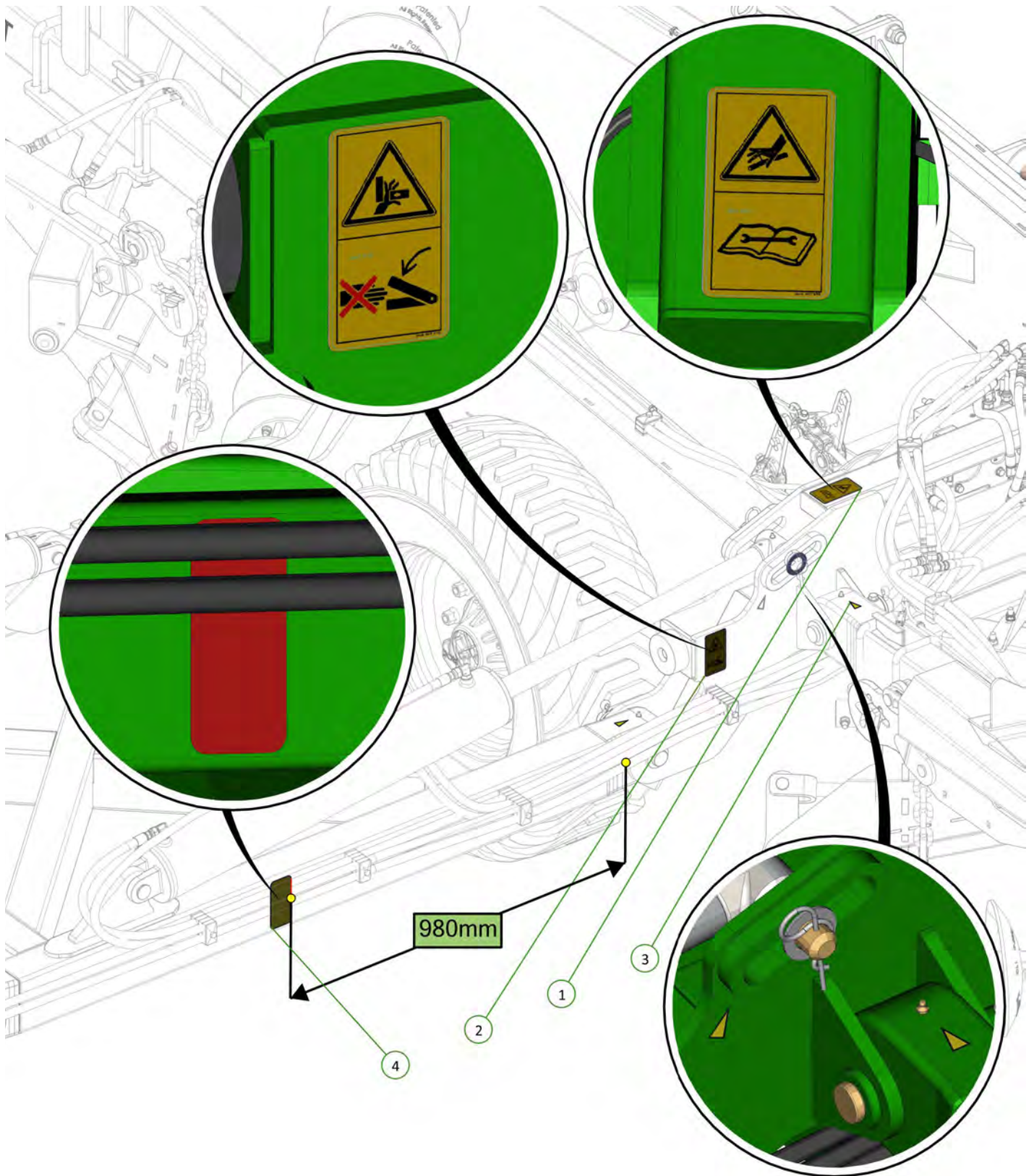
Item No.	Description	Qty	Number
1	Chain Tension 330mm Decal	1	0801-S15
2	Grease Point Indicator	1	1501-S12
3	Yellow Reflective Decal	1	0801-SYRF





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

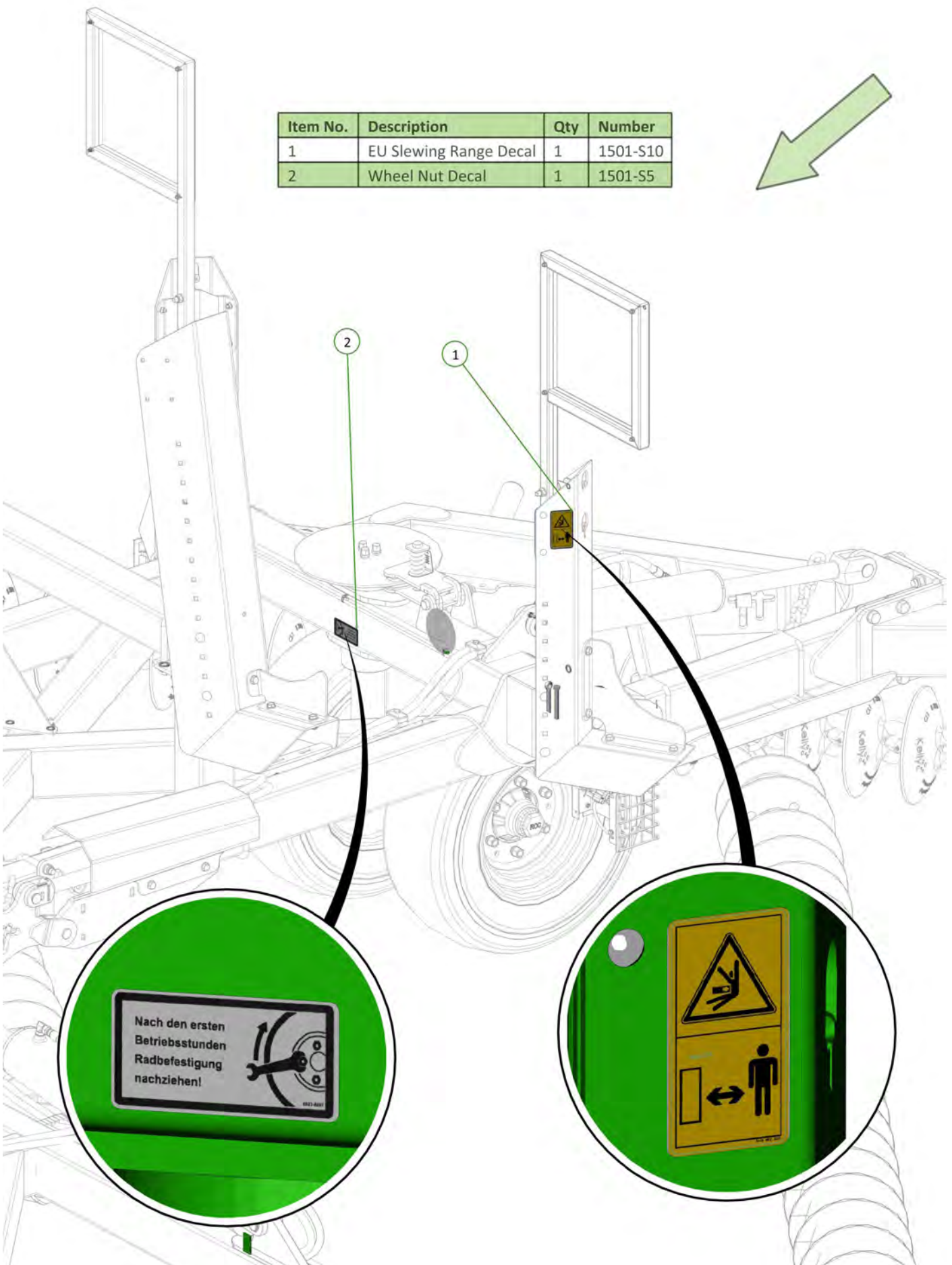
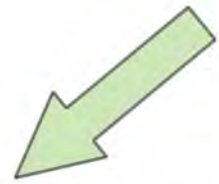




Item No.	Description	Qty	Number
1	EU Hydraulic Pressure Hazard Decal	1	1501-S9
2	Euro Pinch Point Decal	1	1501-S1
3	Grease Point Indicator	2	1501-S12
4	Red Reflective Decal	1	0801-SRRF



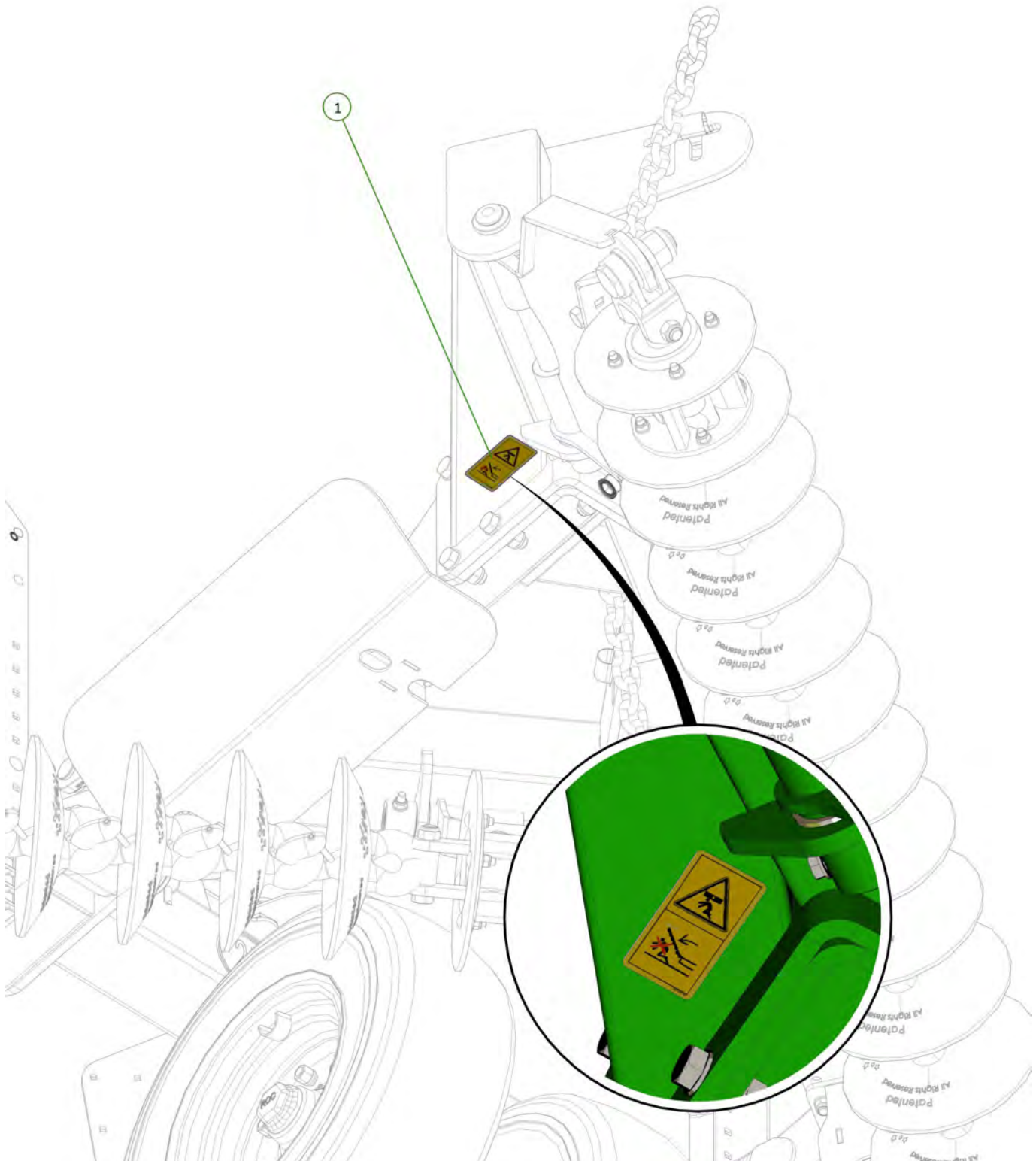
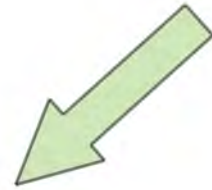
Item No.	Description	Qty	Number
1	EU Slewing Range Decal	1	1501-S10
2	Wheel Nut Decal	1	1501-S5

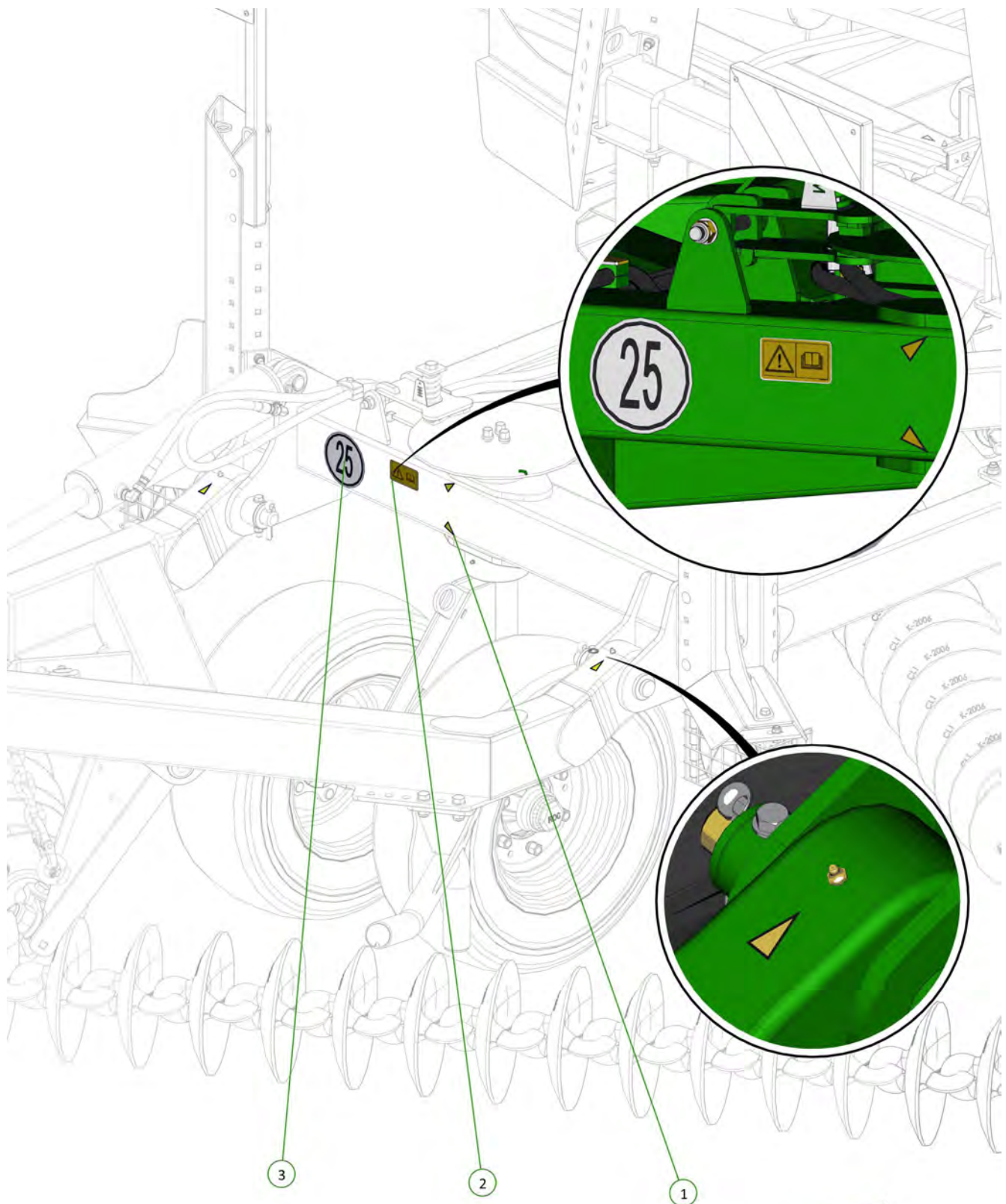


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Item No.	Description	Qty	Number
1	Crush Hazard Decal	1	1501-S6

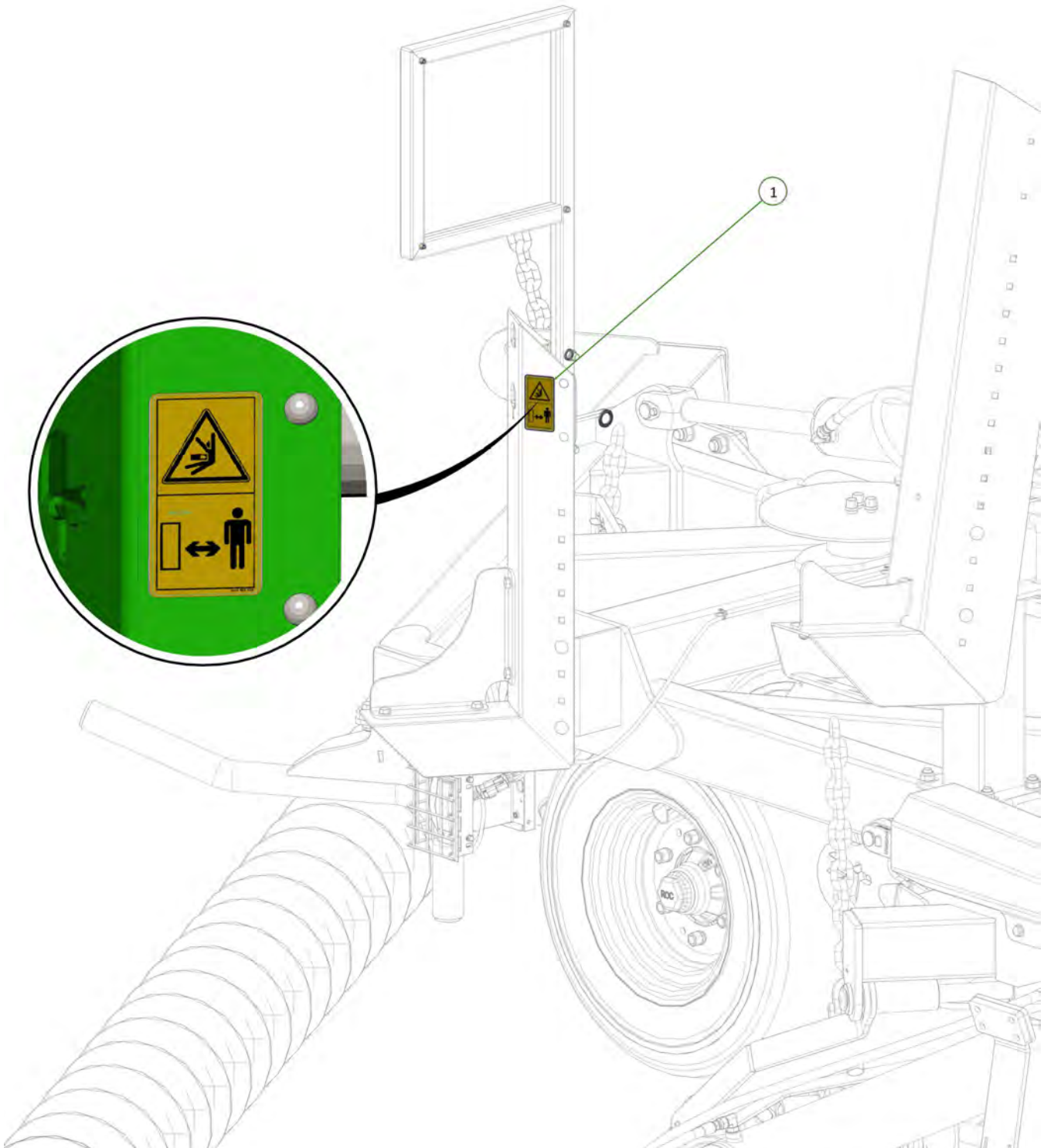


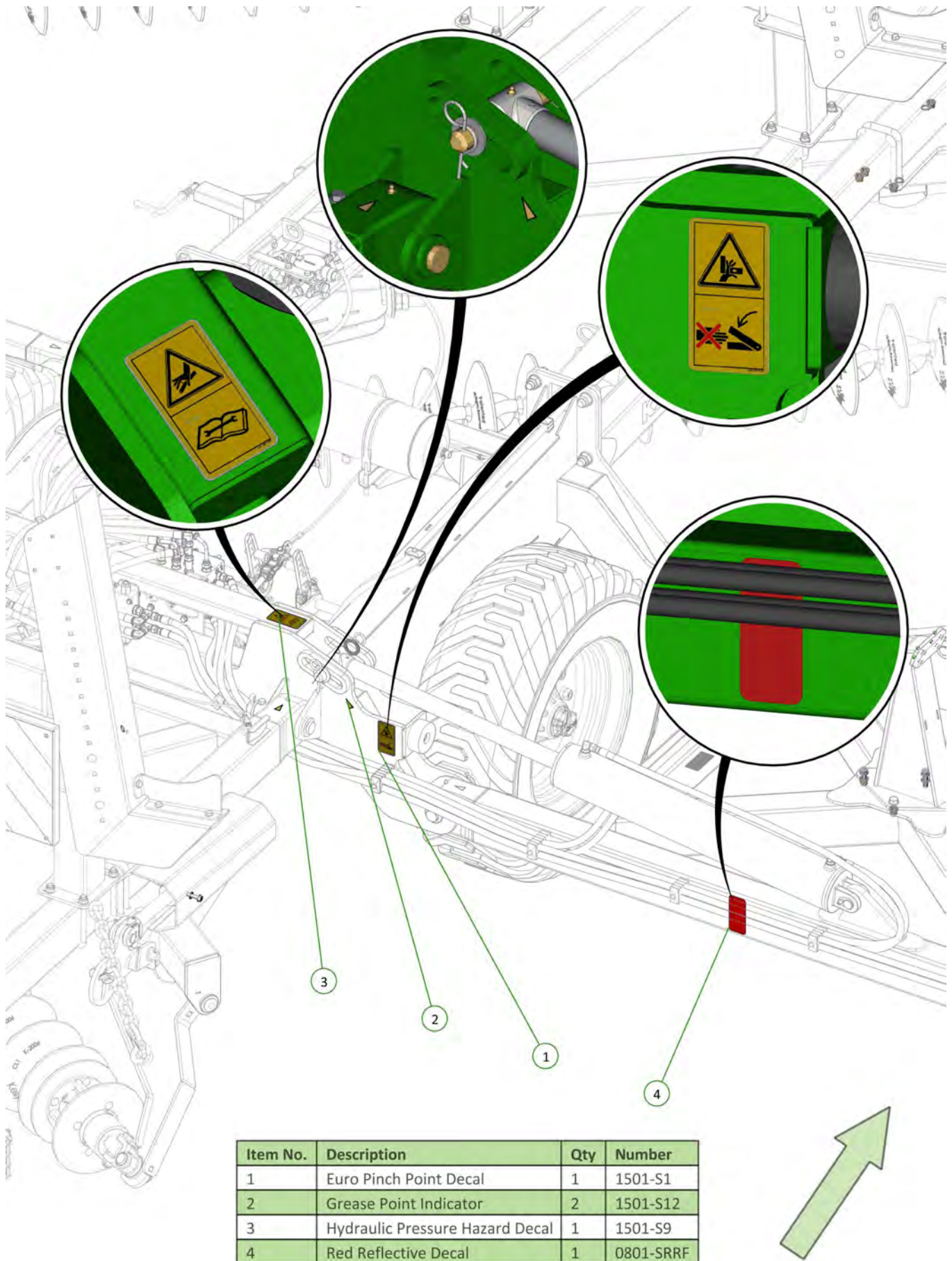


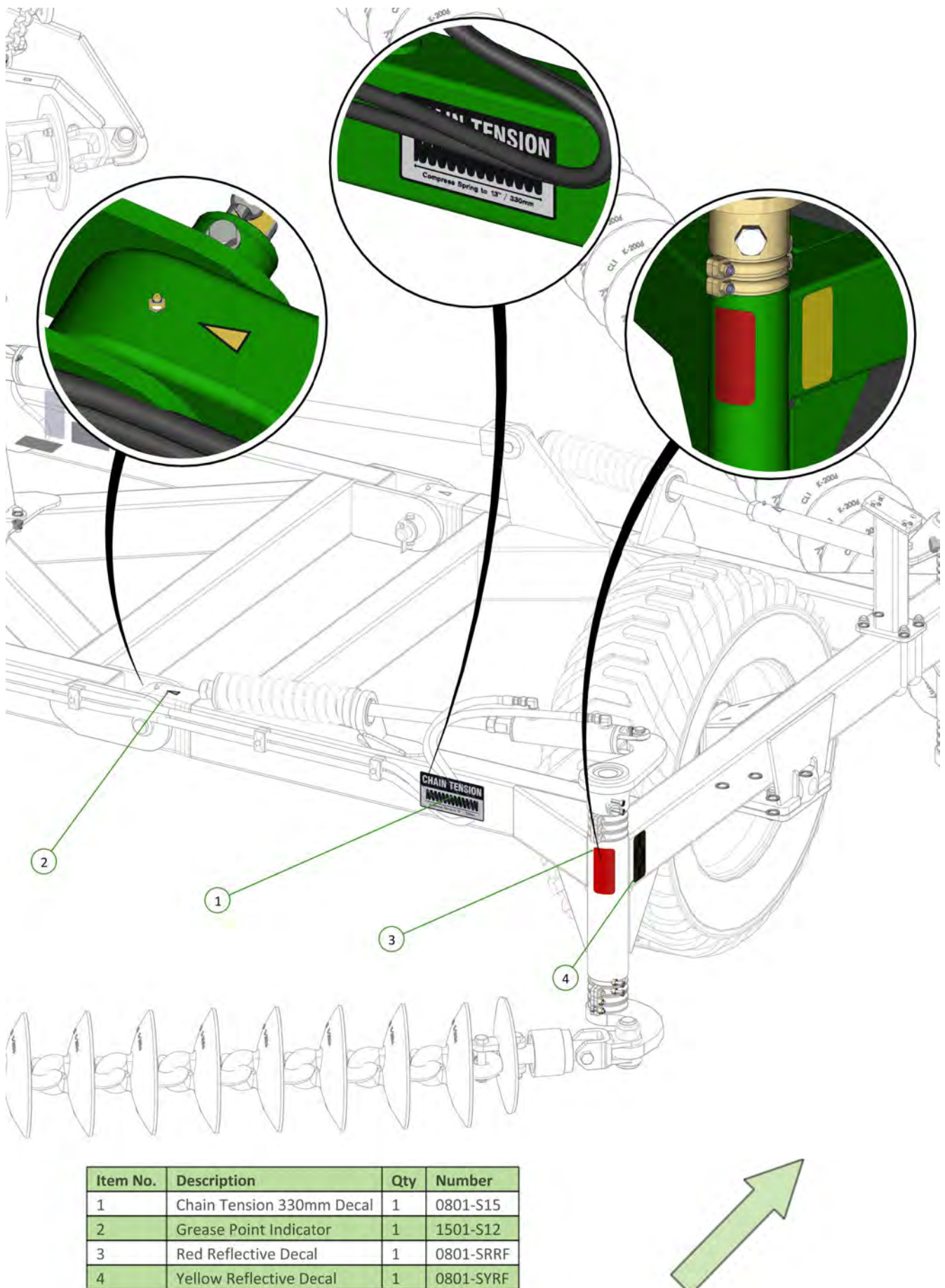
Item No.	Description	Qty	Number
1	Grease Point Indicator	4	1501-S12
2	Read Manual Decal Small	1	1501-S17
3	25km/h Speed Limit Decal	1	1501-S13

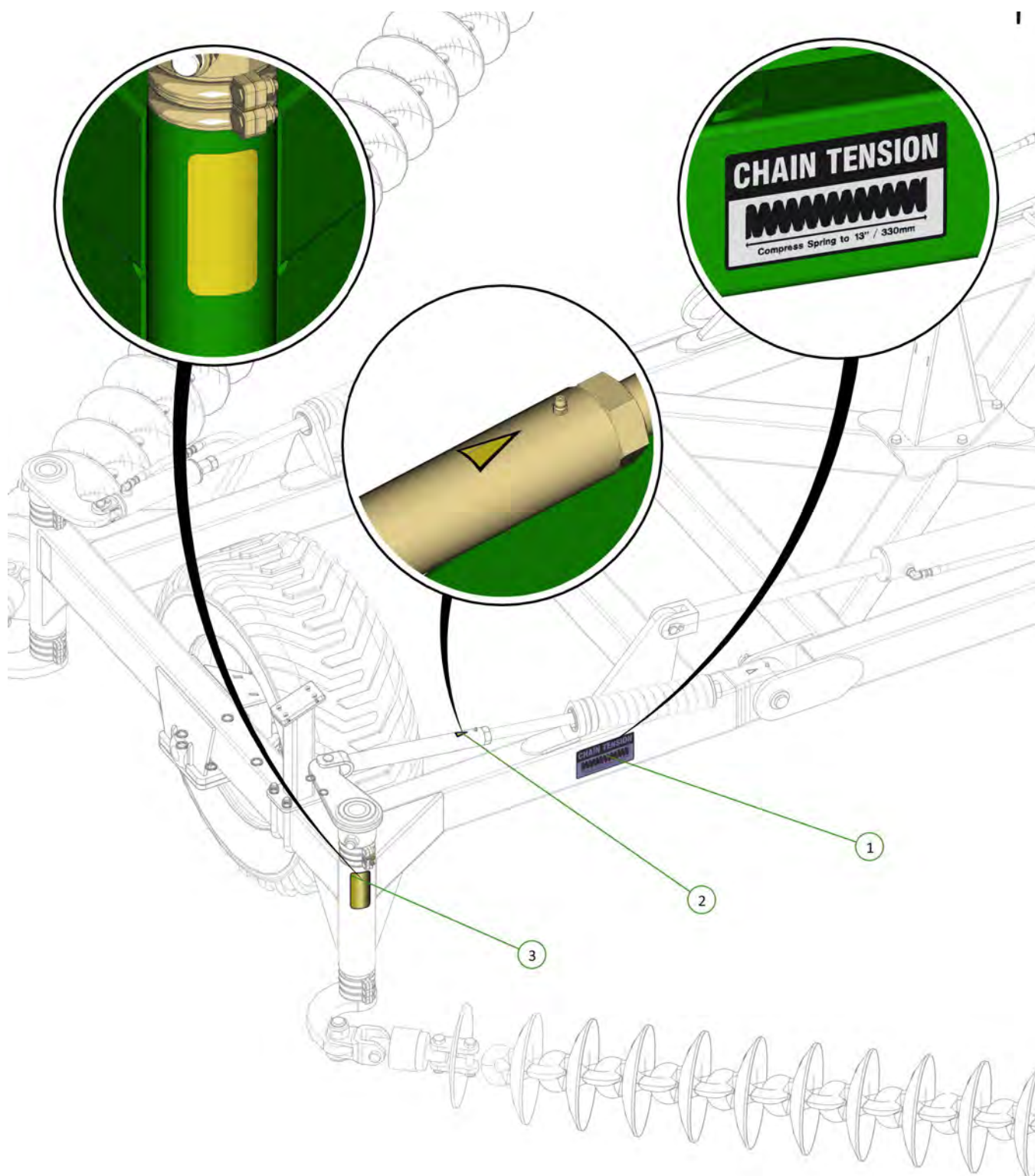


Item No.	Description	Qty	Number
1	EU Slewing Range Decal	1	1501-S10



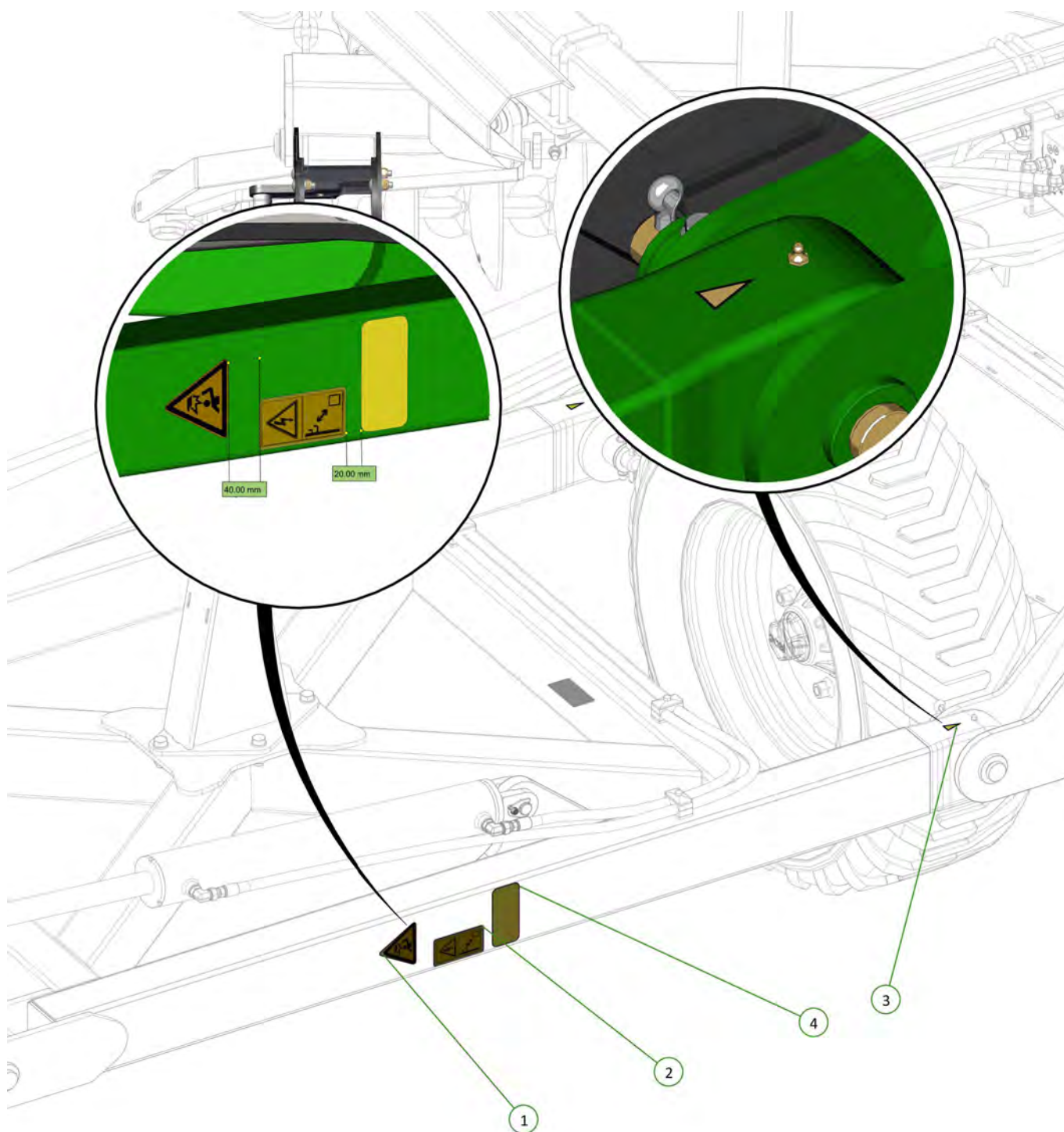






Item No.	Description	Qty	Number
1	Chain Tension 330mm Decal	1	0801-S15
2	Grease Point Indicator	1	1501-S12
3	Yellow Reflective Decal	1	0801-SYRF



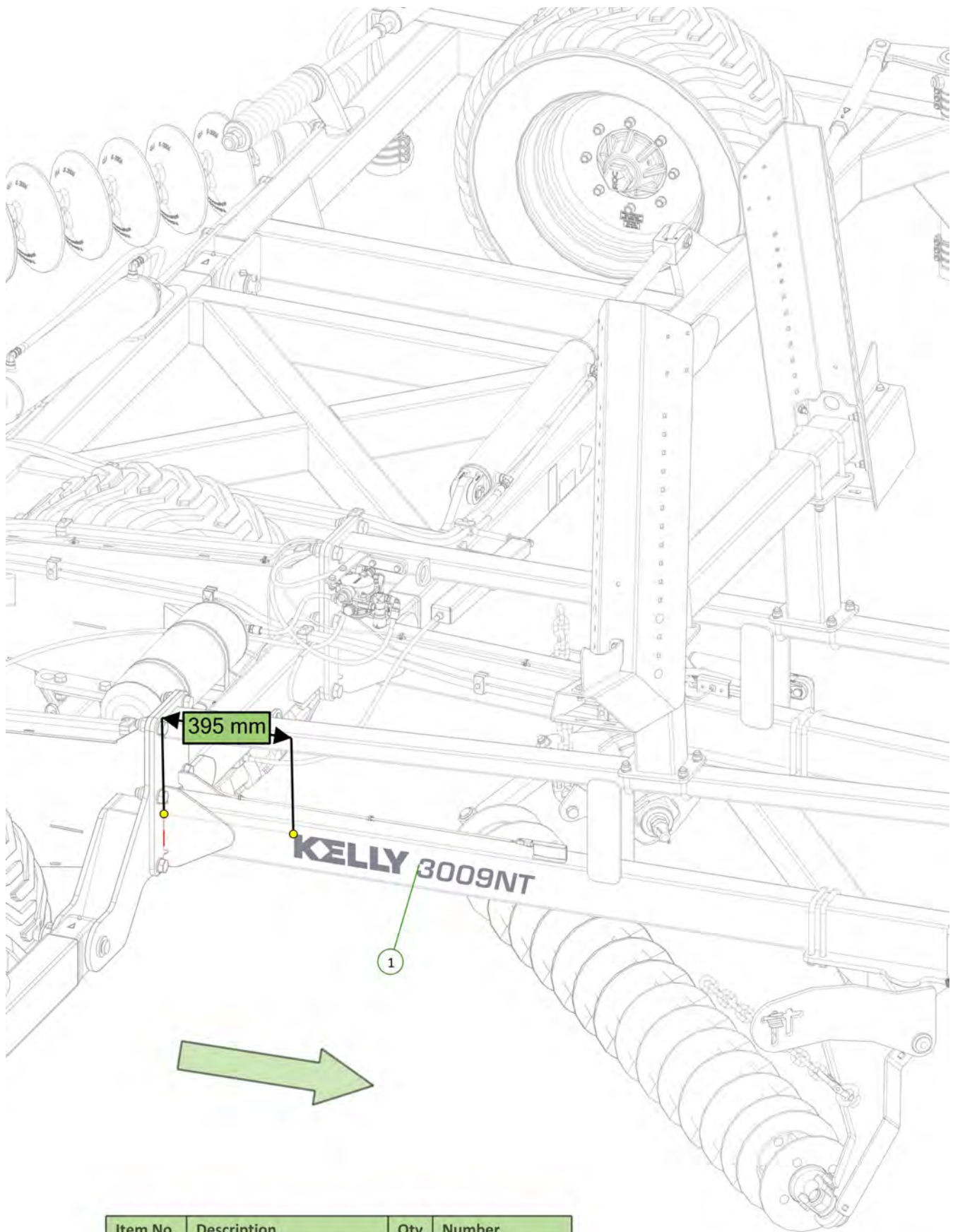


Item No.	Description	Qty	Number
1	EU Overhead Objects Decal	1	1501-S7
2	EU Power Line Hazard Decal	1	1501-S8
3	Grease Point Indicator	2	1501-S12
4	Yellow Reflective Decal	1	0801-SYRF

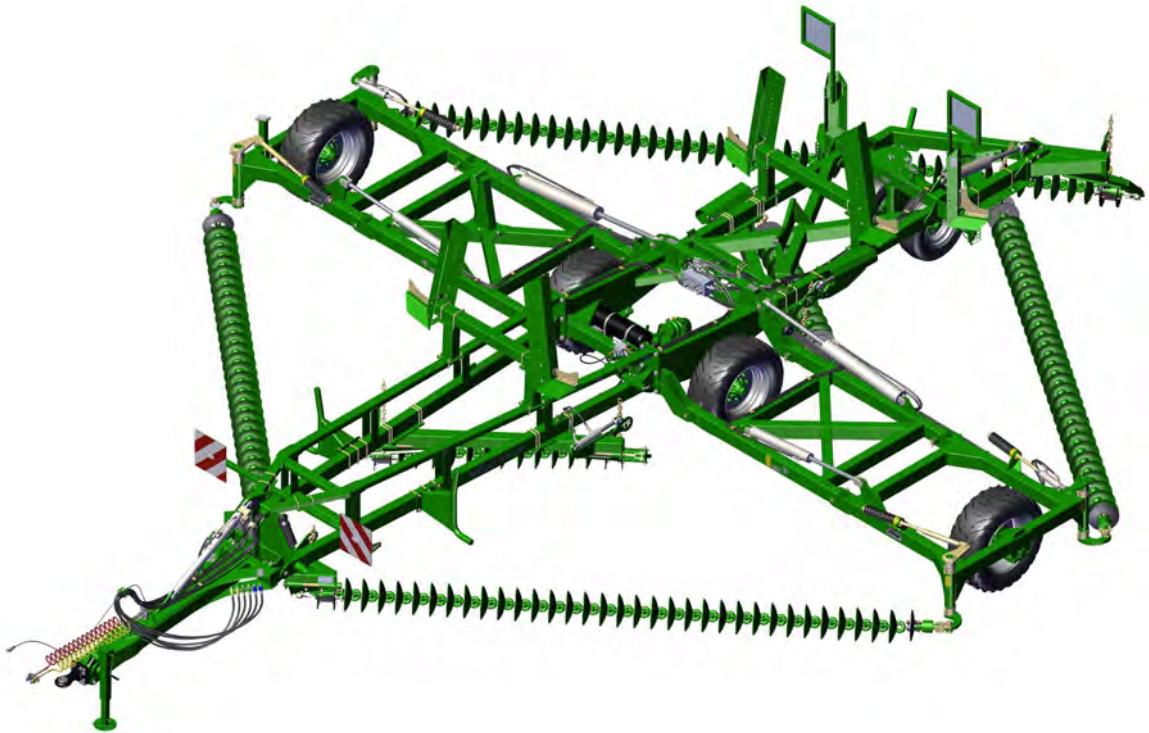


Item No.	Description	Qty	Number
1	Crush Hazard Decal	1	1501-S6
2	Wheel Nut Decal	1	1501-S5

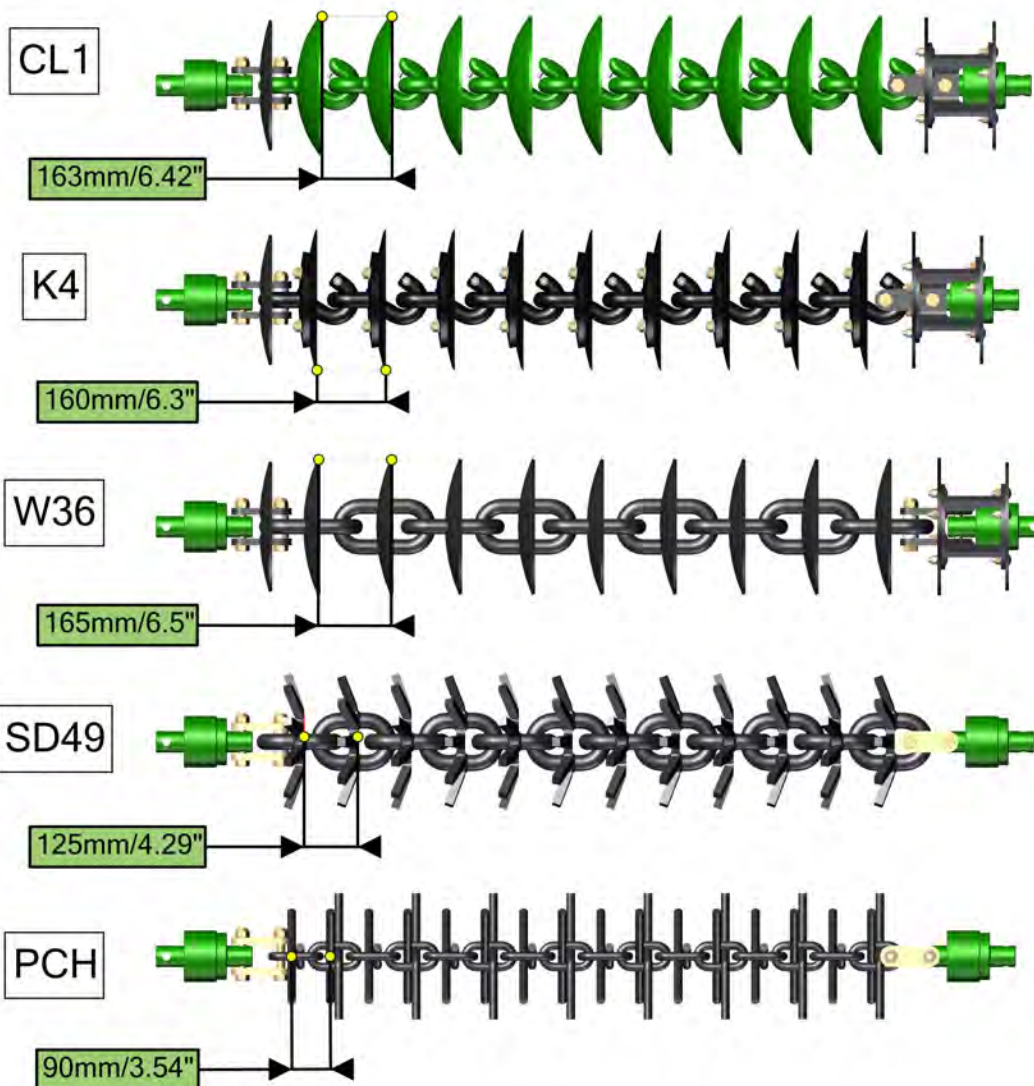




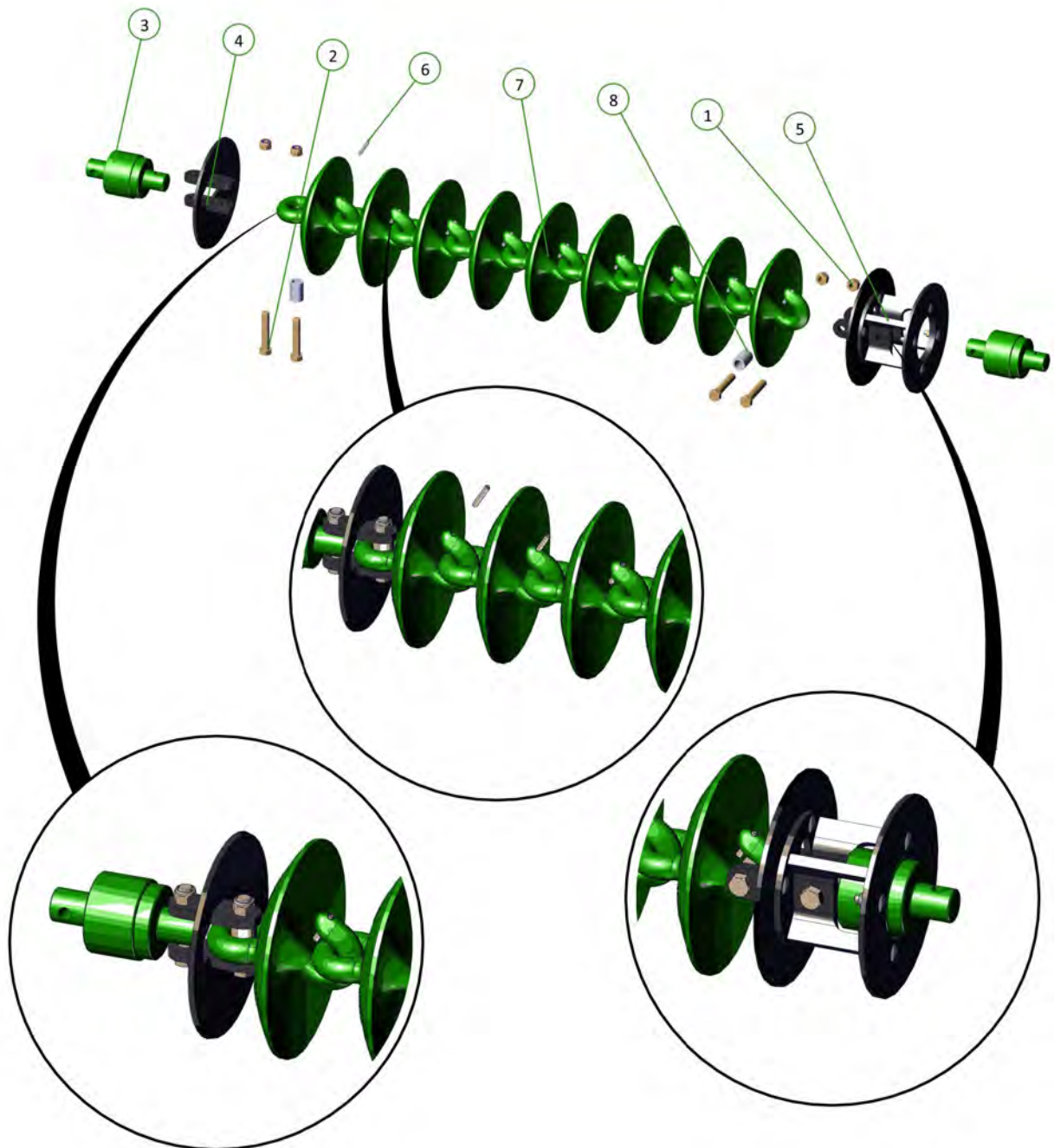
Item No.	Description	Qty	Number
1	Kelly Tillage 3009NT Decal	1	0801-SKT3009NT



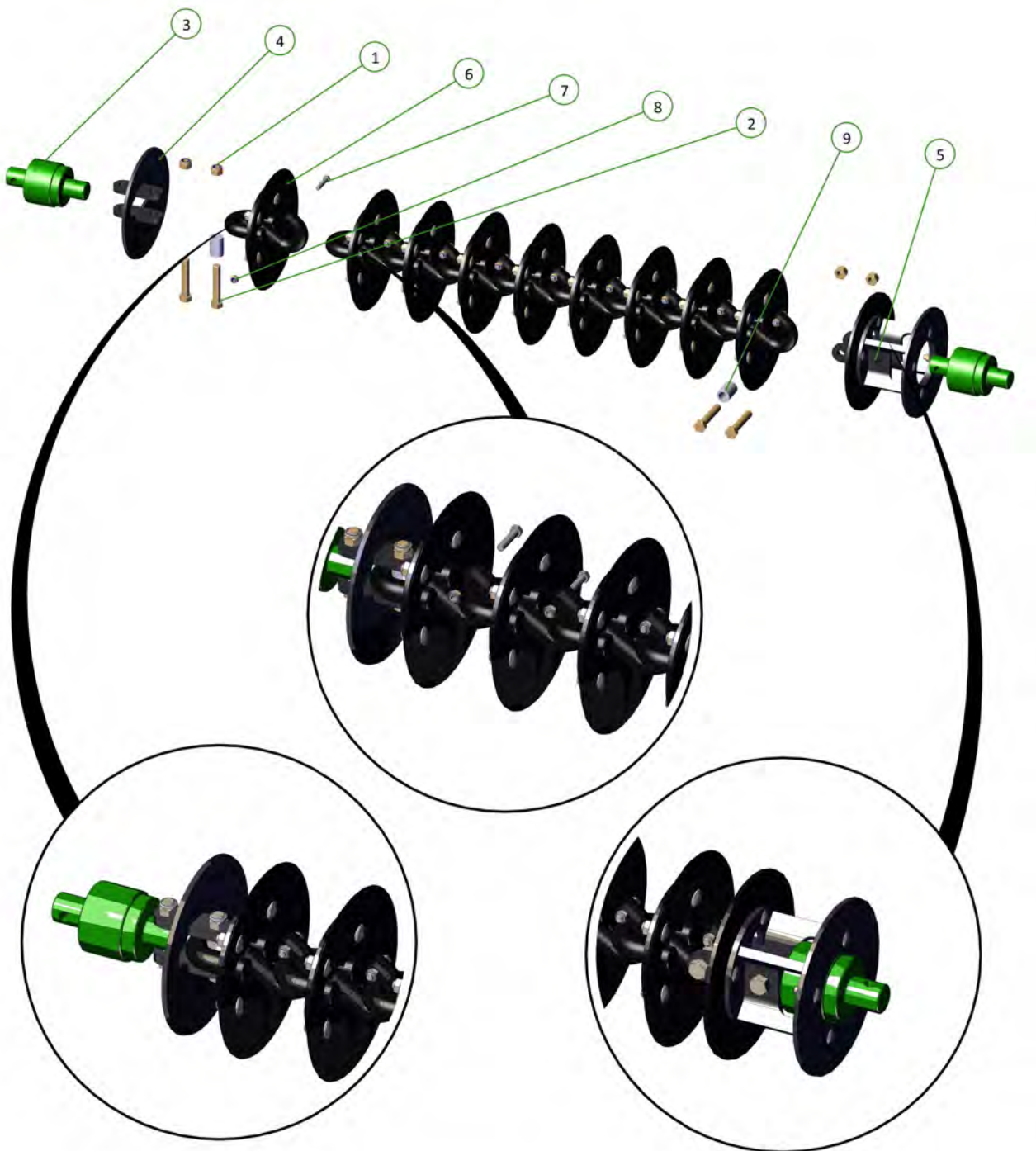
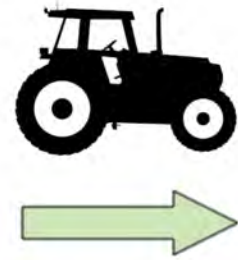
Section 5 - Chain Assembly

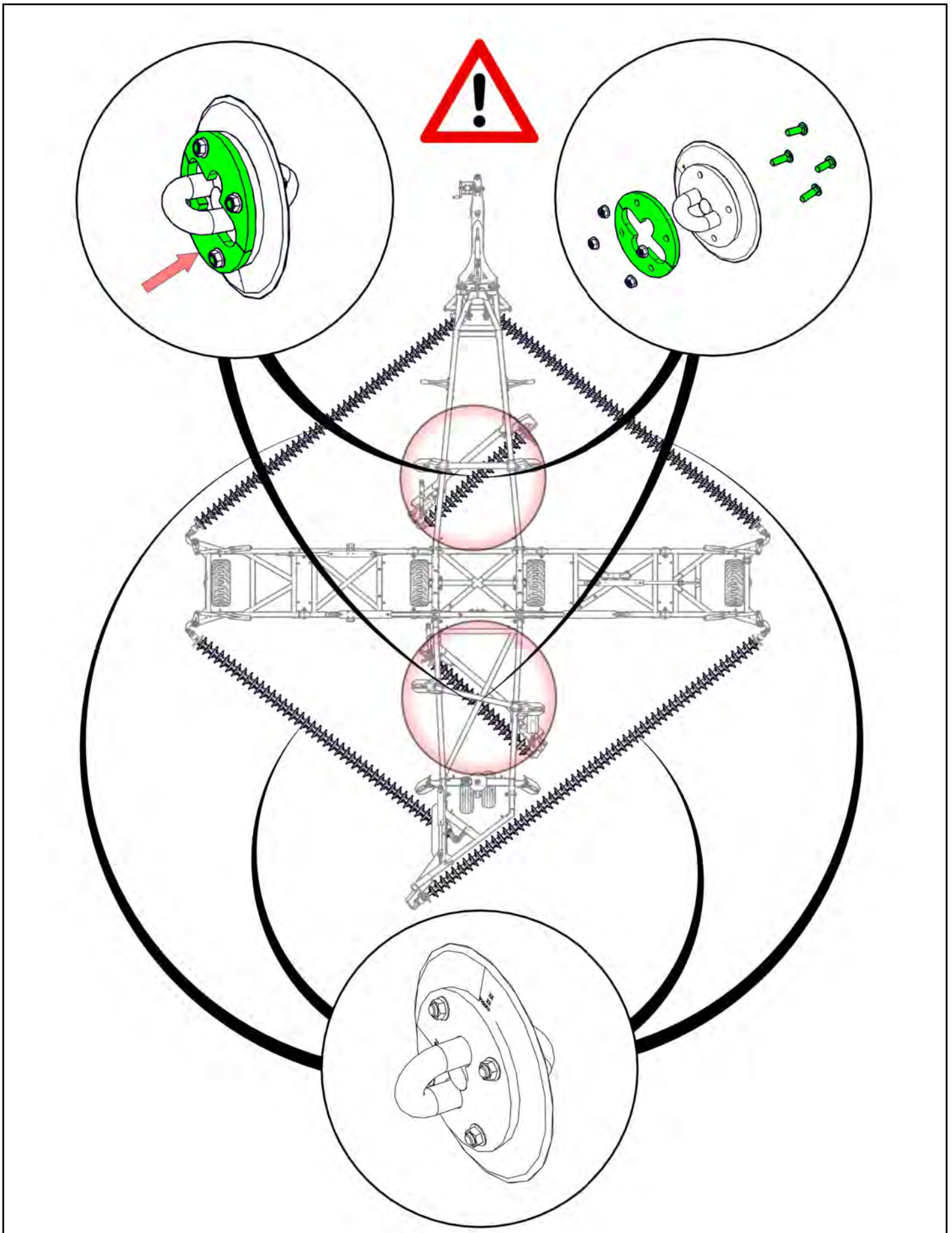


Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate Disc 20mm	0802-DCTP-20
5	Tapered Chain End Assembly	0810-45A
6	Roll Pin Zinc Plated 3/8" x 2"	0262-3-8X2
7	CL1-B Chain Disc Link	0803-CL1
8	Disc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

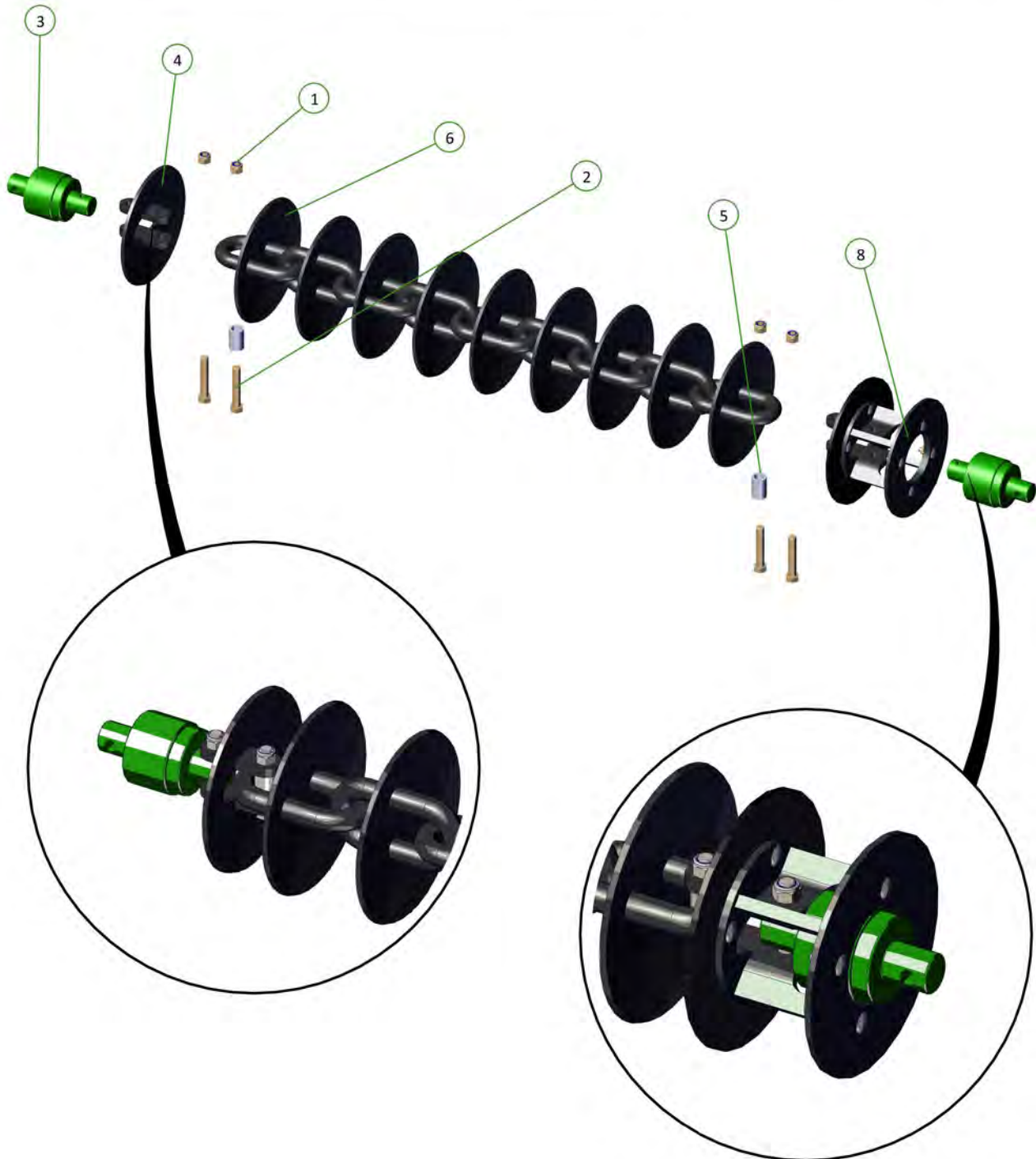


Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate Disc 20mm	0802-DCTP-20
5	Tapered Chain End Assembly	0810-45A
6	K4 Disc Assembly	0803-K4
7	M12 x 55 Class 8.8 ZP Bolt	0211-1255
8	Nyloc Nut M12	0221-NYL12
9	Disc Chain Spacer	0801-PCDCS55

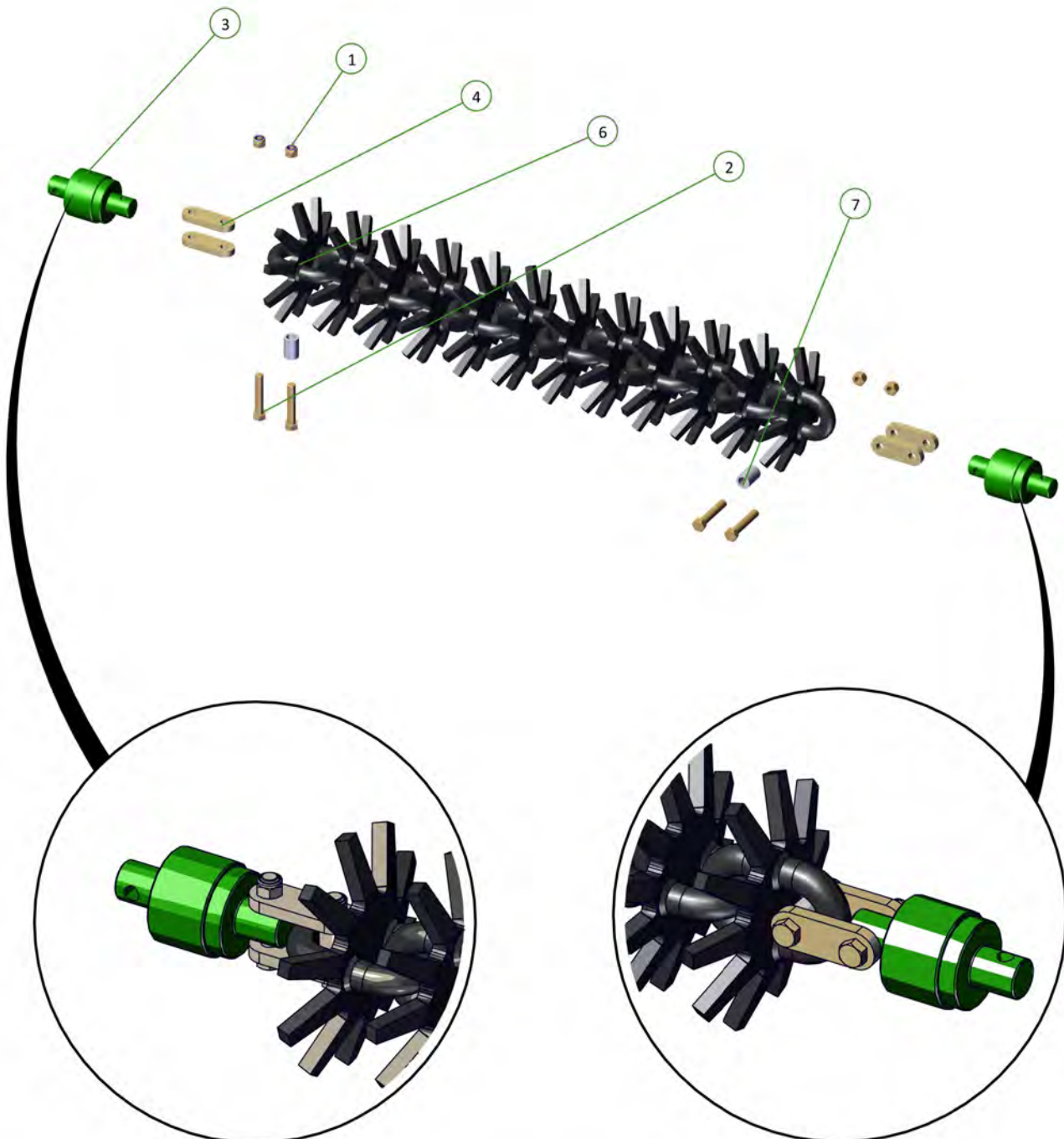
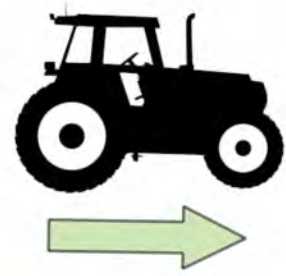




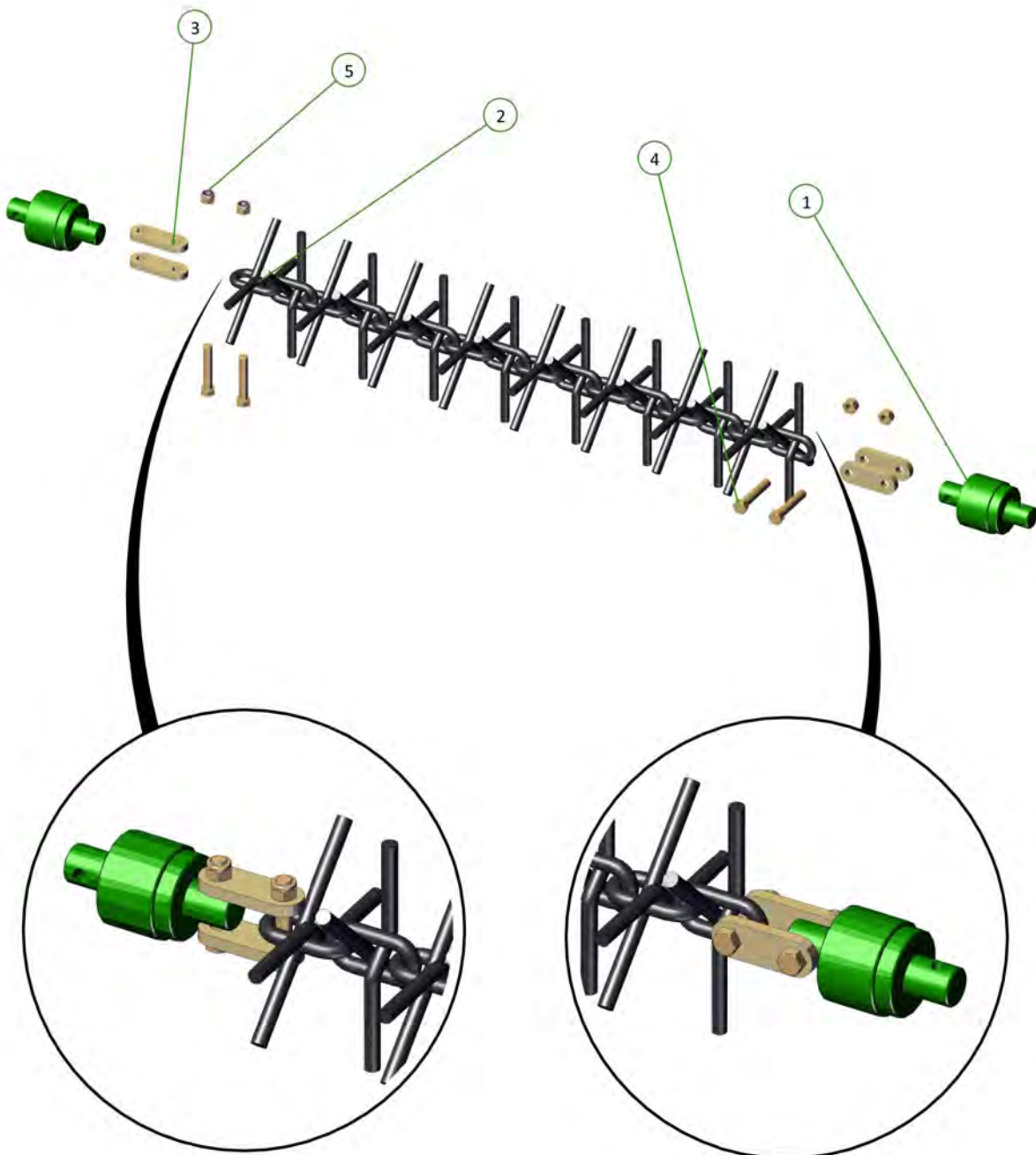
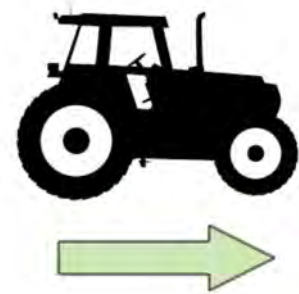
Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate Disc 20mm	0802-DCTP-20
5	Disc Chain Spacer	0801-PCDCS55
6	W36/25 Chain Link	0803-W36
8	Tapered Chain End Assembly	0810-45A



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



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





Section 6 - Basic Operation

Operating speed

Recommended operating speed in normal conditions with all chain types	
Operating / working speed	10-12 km/h
Transporting / towing speed	25 km/h

Tyre pressure

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

Specifications

Model 3009NT	Set at
Operating Width	8.75 +/- 0.1m
Transport Width	2.40m
Transport Height	3.35 +0.2/-0.3m
Transport Length	11.60m

Disc chain lengths and quantities

	Length	CL1	K4	W36	SD49	PCH
Front right	5.33m	33	34	31	42	59
Front left	5.33m	33	34	31	42	59
Rear right	6.49m	41	42	38	52	72
Rear left	4.88m	30	31	29	39	54
Front Module	1.97m	12	12	11	16	22
Rear Module	1.61m	10	10	9	13	18

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

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

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

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

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

Prickle Chain - cut a prickle chain link from the end of the prickle chain

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



Basic Operation

Unfolding:

1. Remove transport safety stop.
2. Walk around and inspect the machine.
 - a. Check that chains are not hooked on framework
 - b. Check swivel bolts at end of each chain are in place and not broken
 - c. Check that height adjusting chains have not fallen out of their slotted plates during transport.
 - d. Ensure front lift cylinder depth stops are fully engaged on cylinder shaft.
3. Lower front drawbar 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 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 frame to transport height. This will lift the front chains off the ground and reduce the load on the tractor. Lower the frame once operating speed is reached.

Folding:

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

Setting for correct chain tension

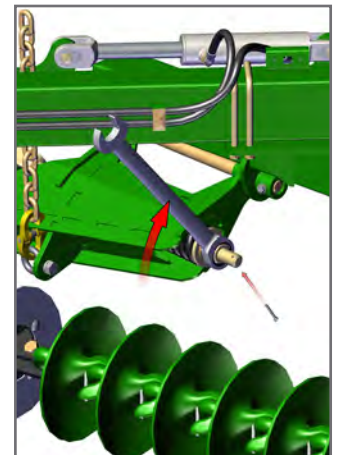
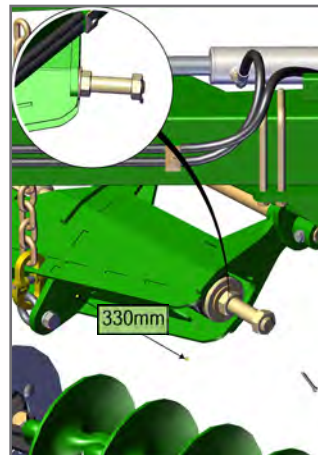
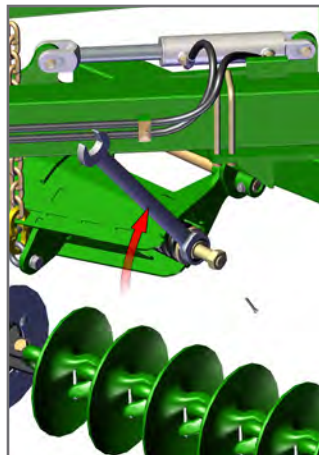
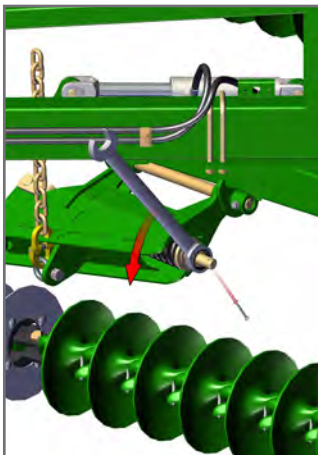
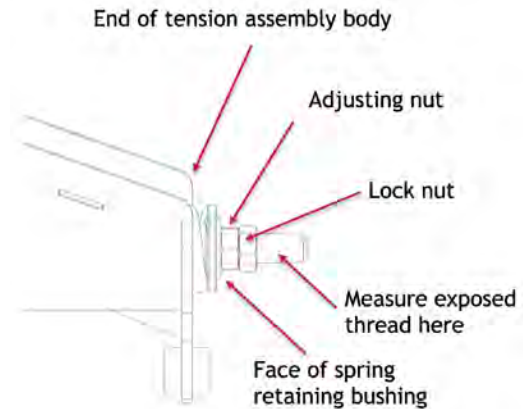
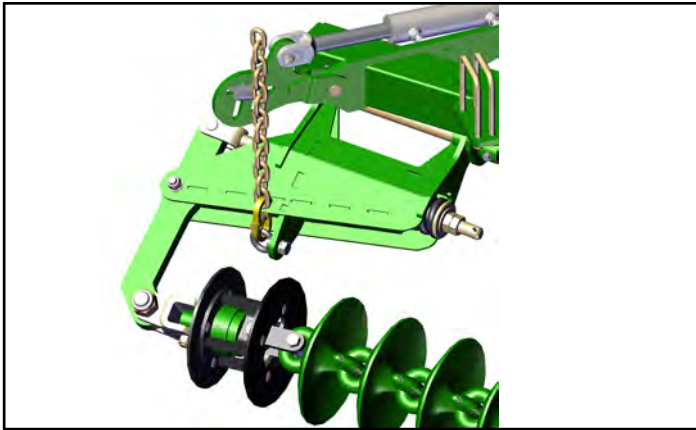
Wings

- Use the spanner supplied. Loosen the lock nut adjacent to the tensioner assembly body.
- Turn the tension bolt clockwise to compress the coil spring to 330mm. Correct tension is achieved when spring retains its set length when operator rolls the chain fore and aft on the ground.
Re-tighten the lock nut.
- When less than 25mm of thread remains visible on the adjuster 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.
- Re-tighten 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 provided spanner to tension the chain.

Modules



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

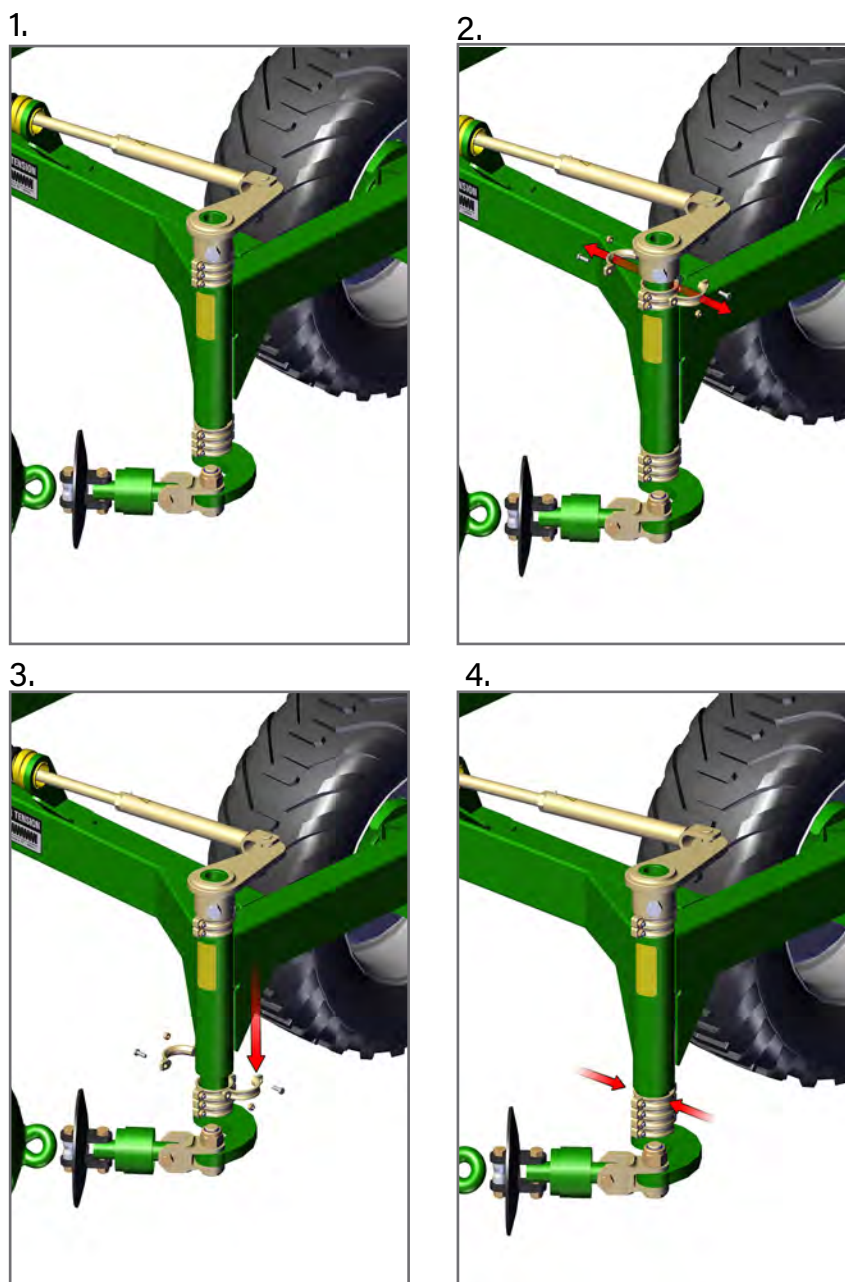
A correctly adjusted machine will not have this problem.

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 six 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 125mm of adjustment.





Section 7 - 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:

Notes

[illegible]



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