

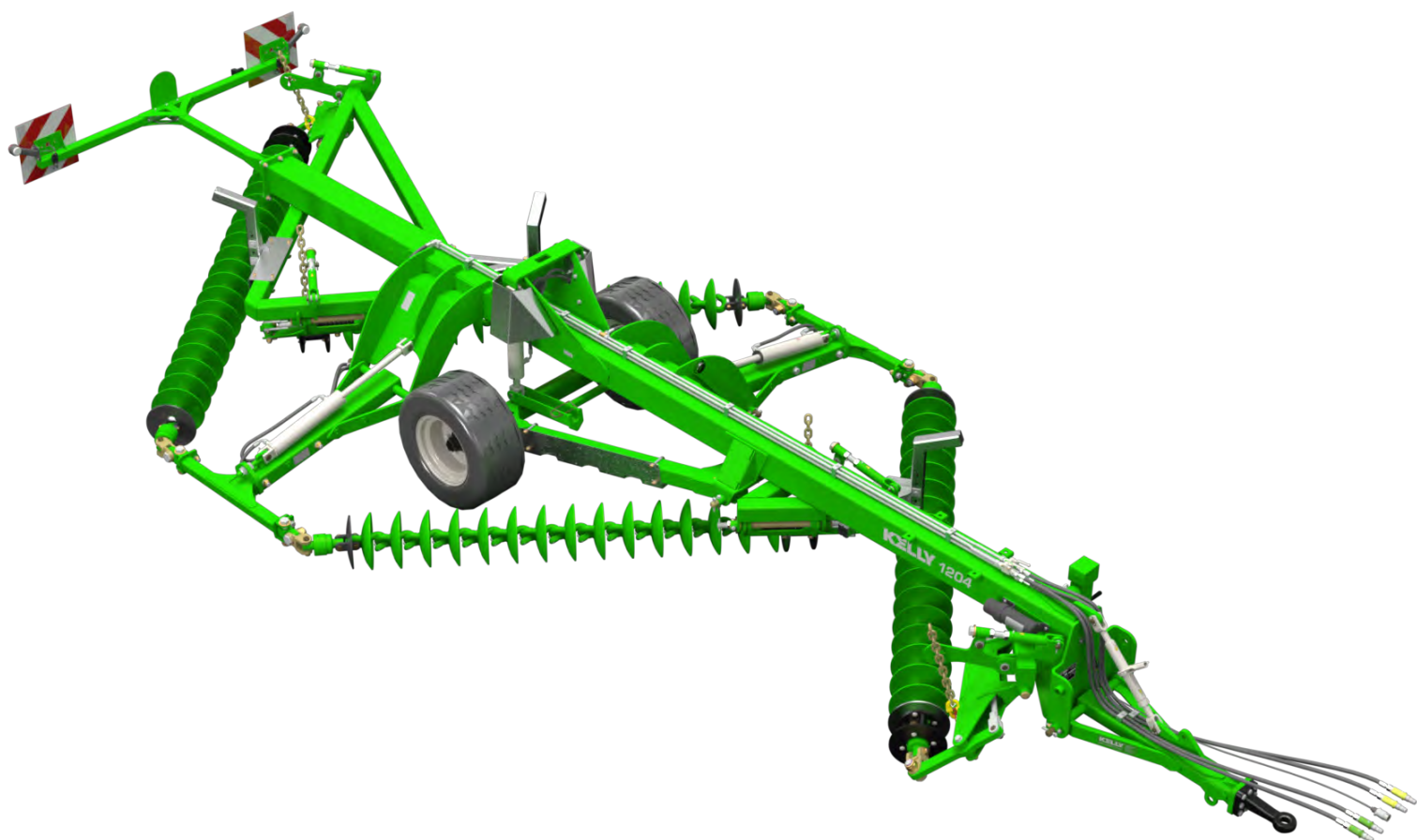


Better Tillage. Better Tomorrow.

Assembly Manual

KELLY TILLAGE SYSTEM 1204

KTAM-B-01072023



SERIAL NUMBER:



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Email sales@kellytillage.com
kellytillage.com

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Booleroo Centre SA 5482

Adelaide Office
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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

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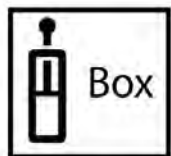
Legend



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

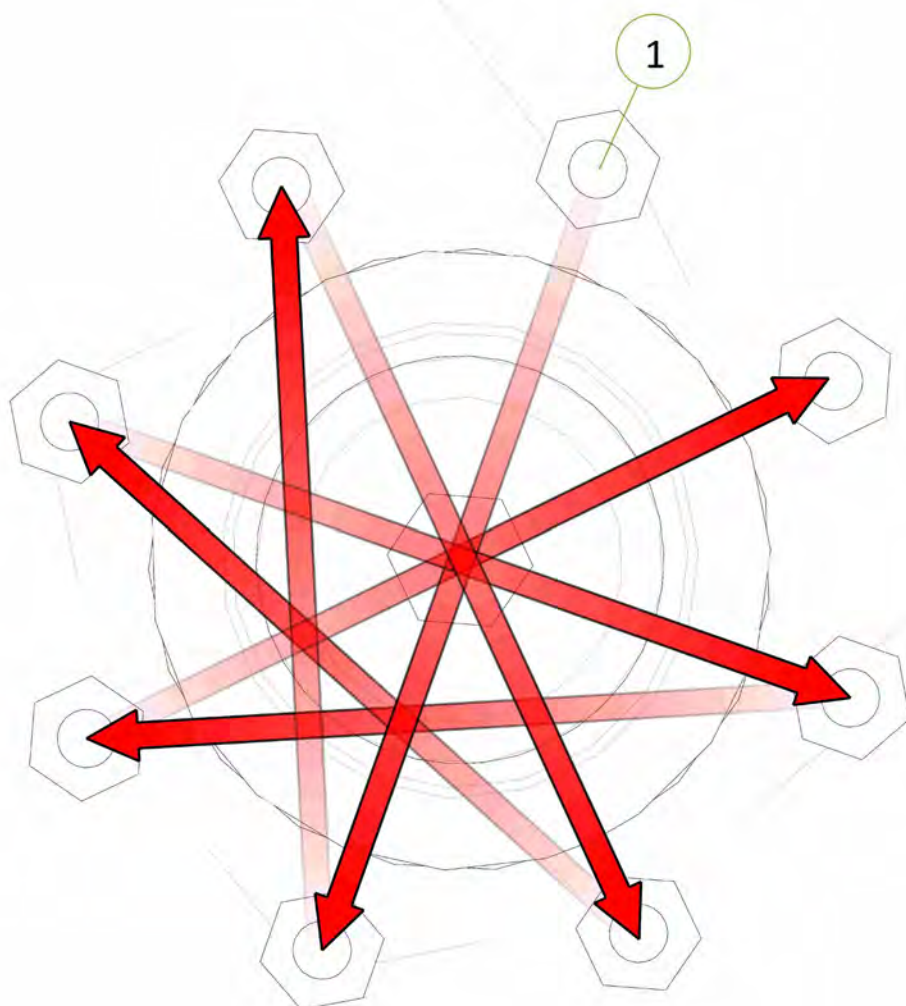
Bolt Type	Wheel nut			U Bolt			Class 8.8 Bolt							Class 10.9 Bolt	
Bolt Size	M12	M18	M20	M12	M16	M20	M6	M8	M10	M12	M16	M20	M24	M20	M24
Spanner	19	27	30	19	24	30	10	13	17	19	24	30	36	30	36
Nm	94	305	430	42	105	214	9.3	23	45	77	190	385	660	550	950

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 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.

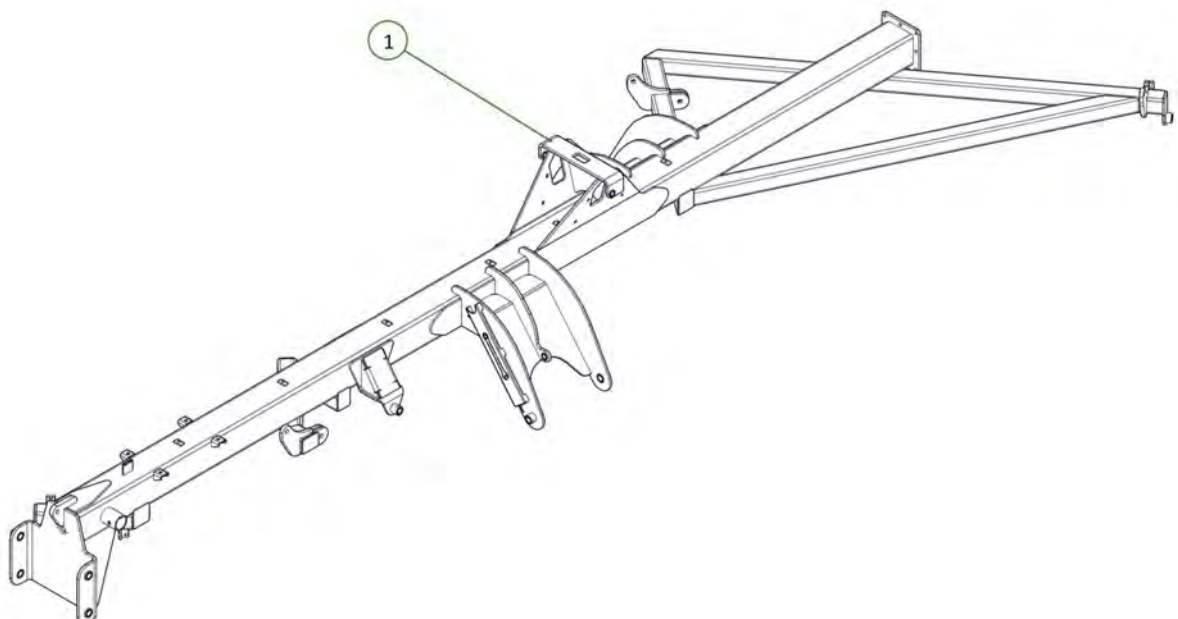
Torque values are for dry threads and surfaces however, it is permissible to apply a small amount of anti corrosive oil to the threads.



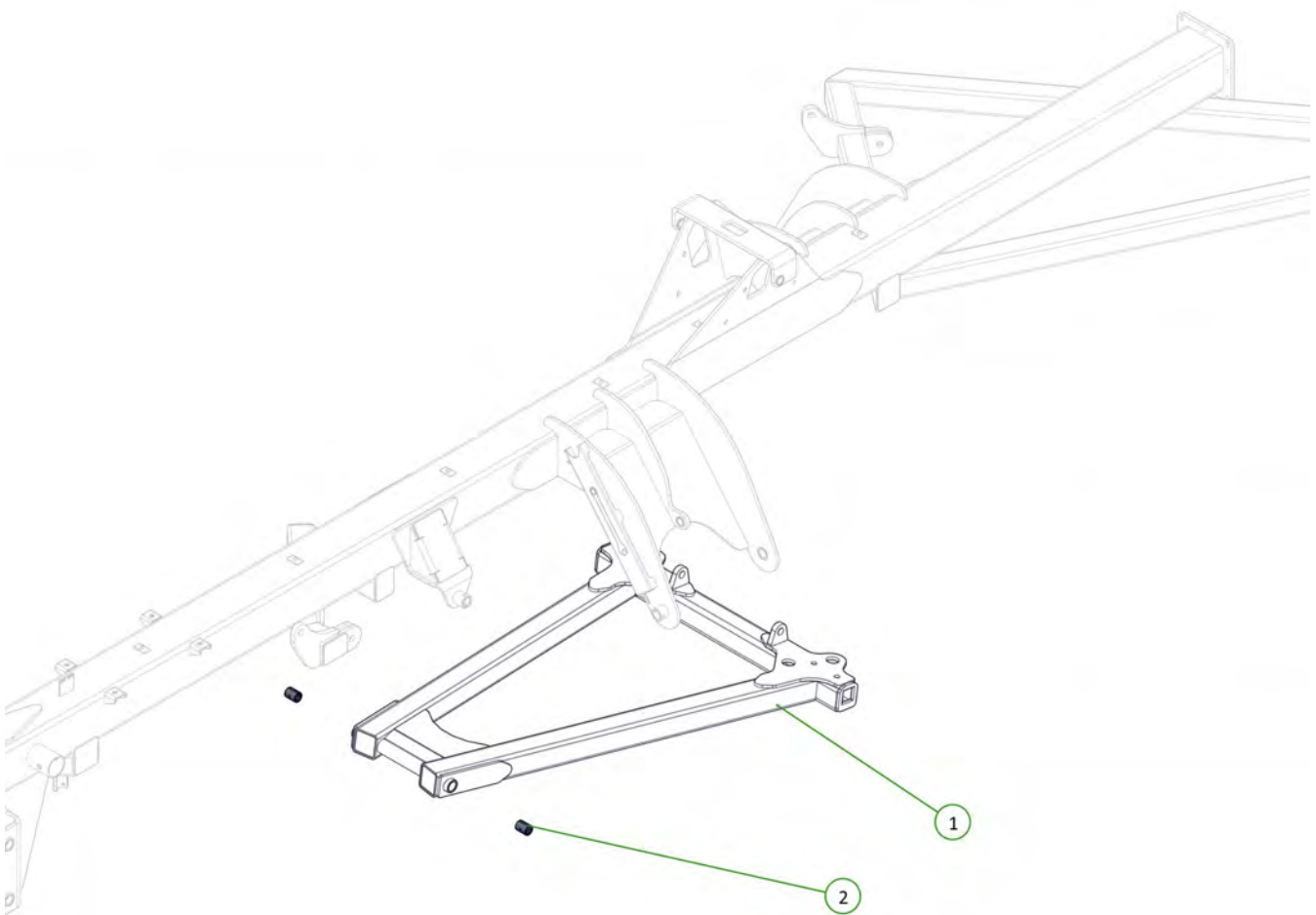


Section 1 - Assembly

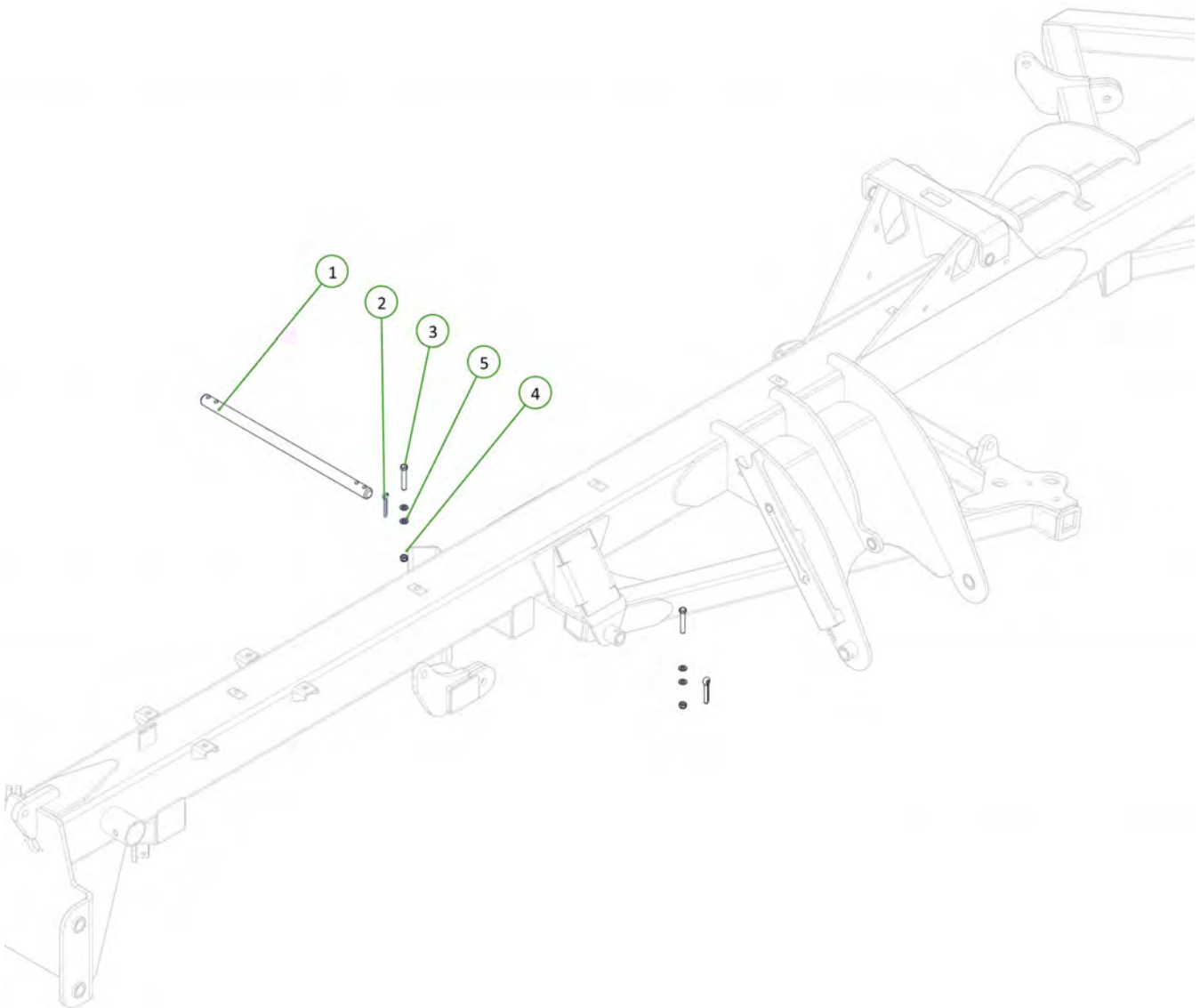
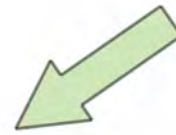
Item No.	Description	Qty	Number
1	EU 3.5-4.5m KDH Centre Frame	1	1512-01E



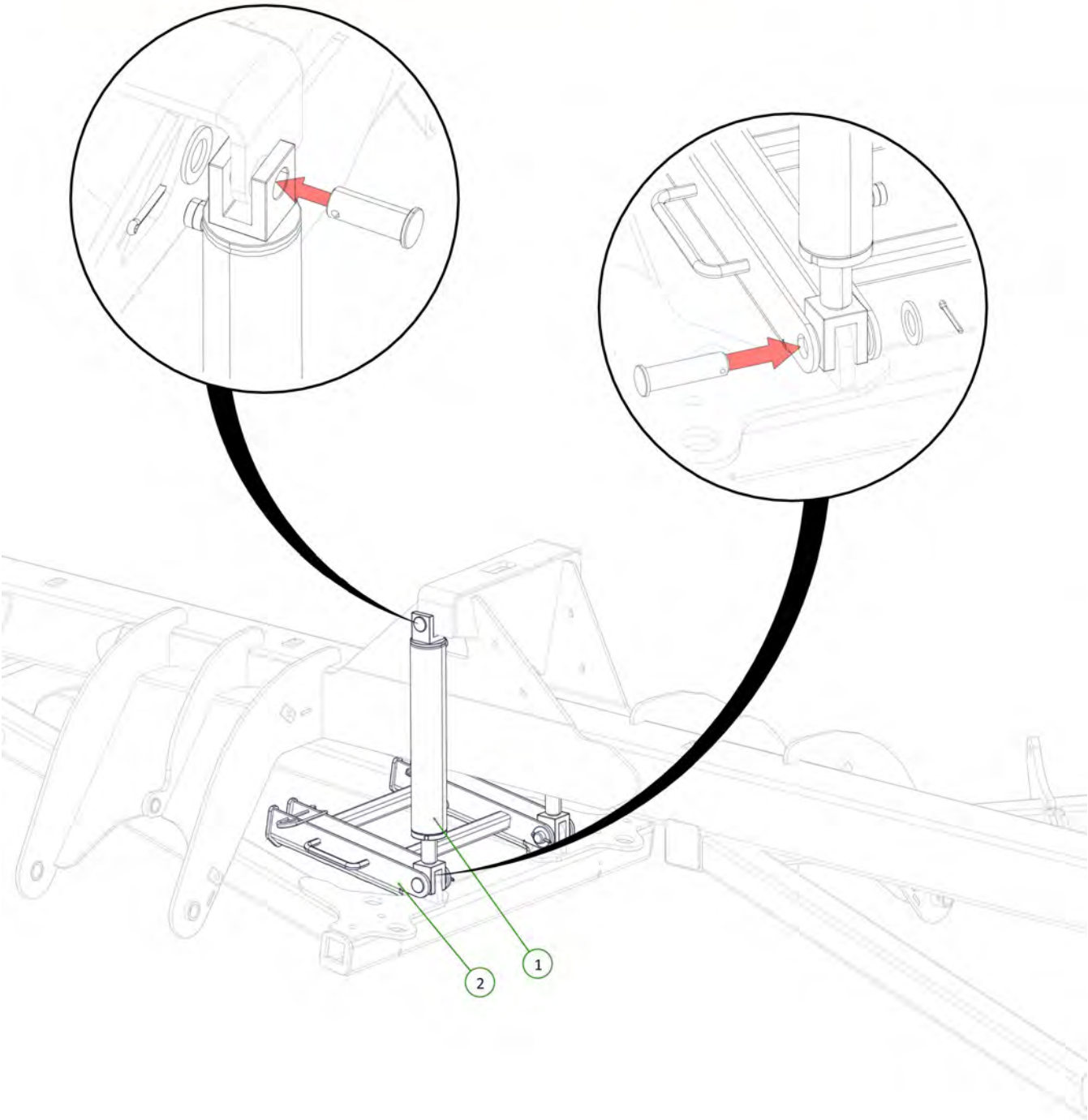
Item No.	Description	Qty	Number
1	Wheel Arm Frame	1	0810-158E
2	35 ID x 50mm DX Bush	2	0113-MB3550DX



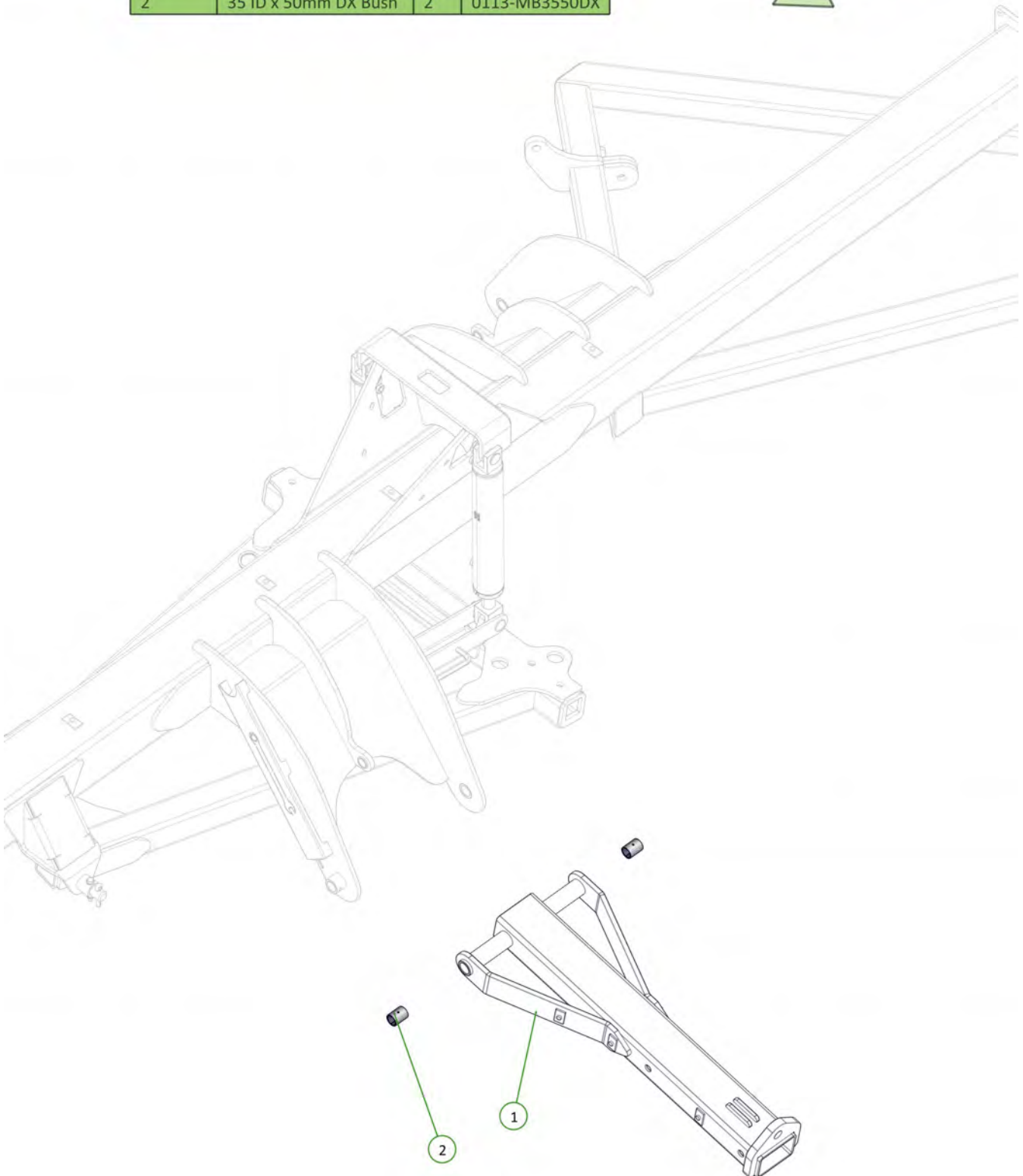
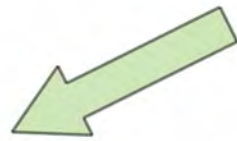
Item No.	Description	Qty	Number
1	Long Pivot Pin	1	1501-P35-732
2	Cotter Pin M13 x 63	2	0261-PINC1363
3	M12 x 80 Class 8.8 ZP Bolt	2	0211-1280
4	Nyloc Nut M12	2	0221-NYL12
5	Washer Flat M12	4	0231-F12



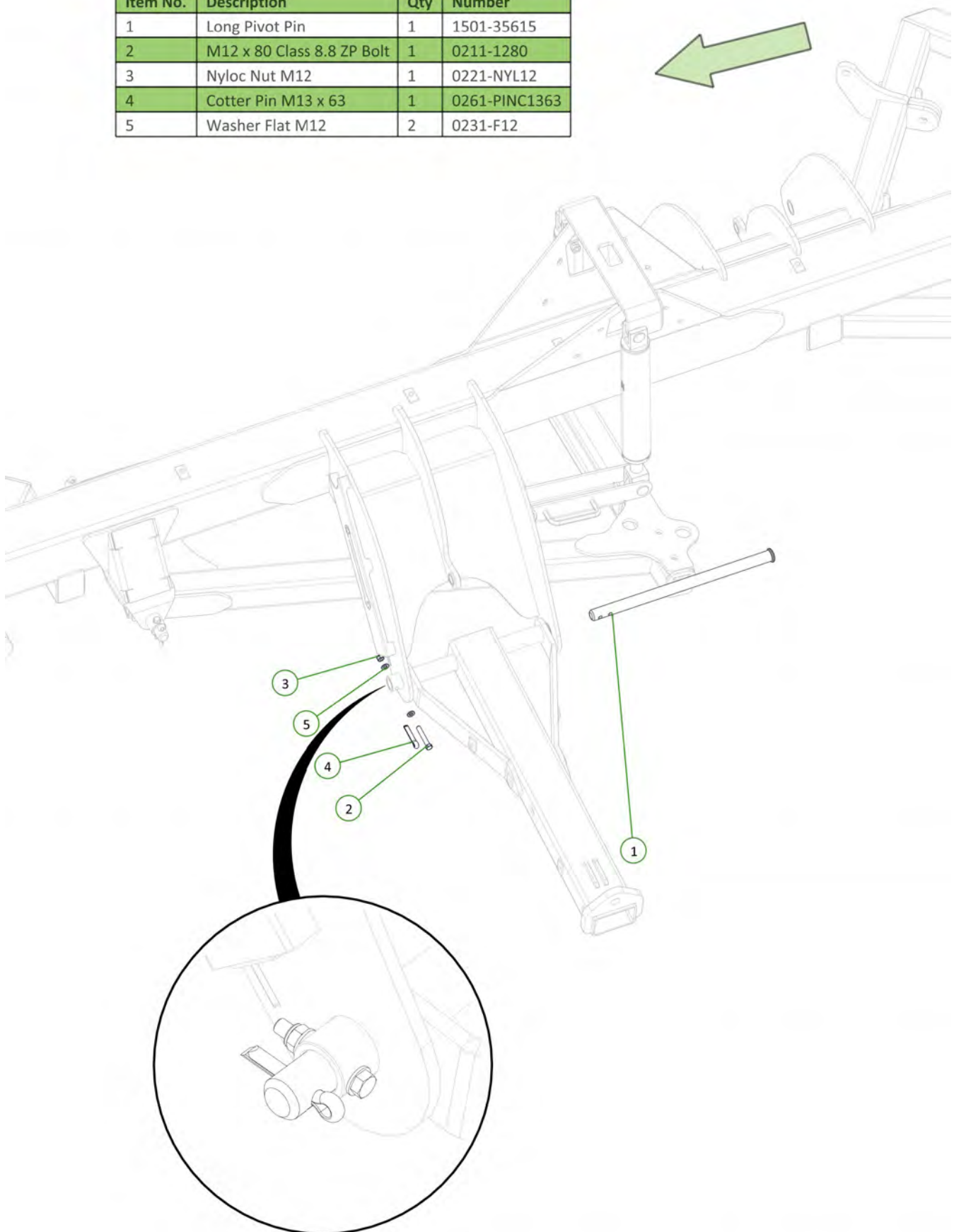
Item No.	Description	Qty	Number
1	80 Bore 400 Stroke 40 Rod Metric Hydraulic Cylinder	2	0315-8040040
2	Transport Safety Stop Frame Assembly	1	1510-264EA



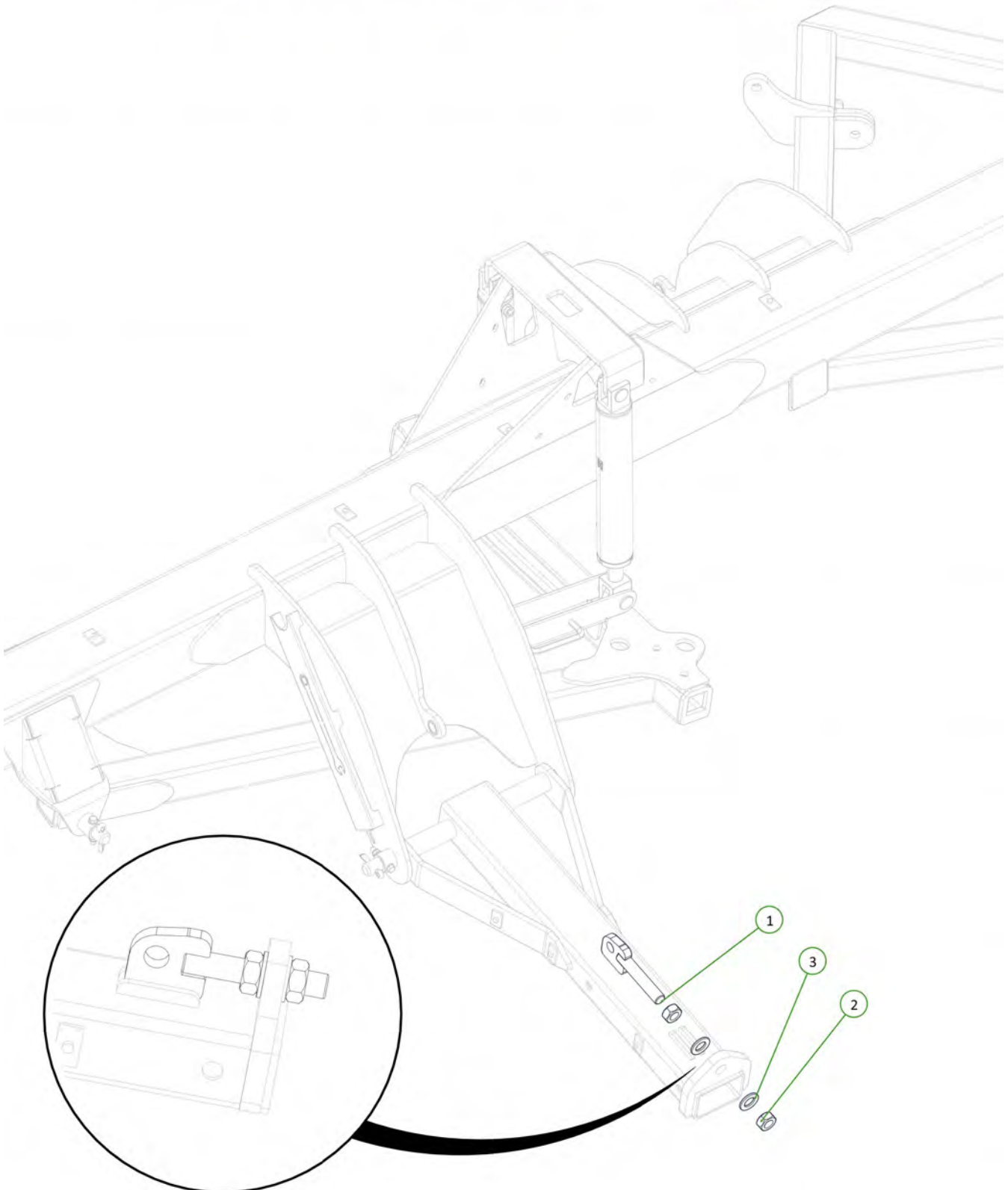
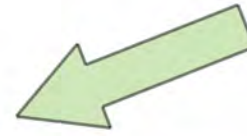
Item No.	Description	Qty	Number
1	1204 Inner Wing Frame	1	1512-02E
2	35 ID x 50mm DX Bush	2	0113-MB3550DX



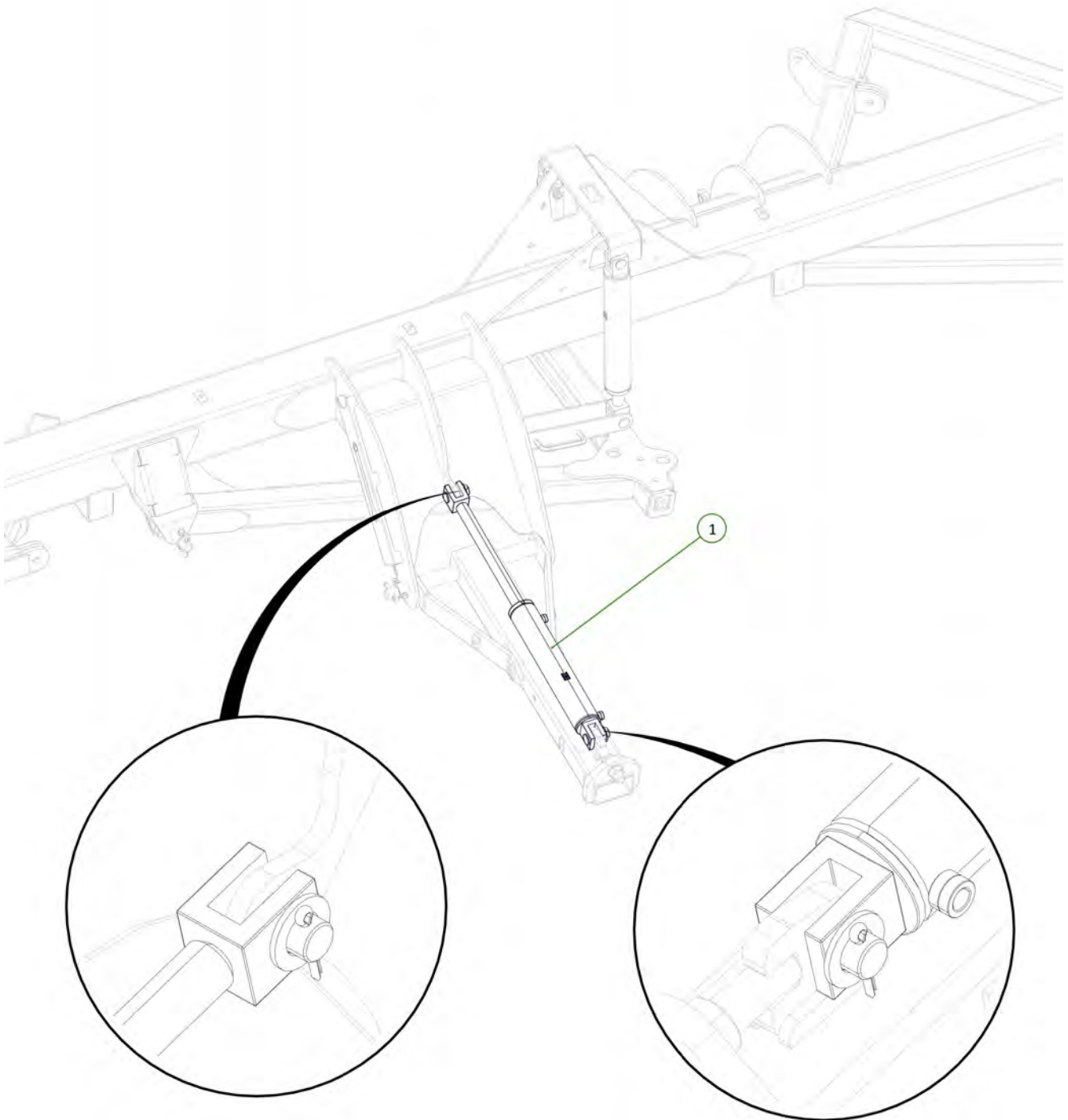
Item No.	Description	Qty	Number
1	Long Pivot Pin	1	1501-35615
2	M12 x 80 Class 8.8 ZP Bolt	1	0211-1280
3	Nyloc Nut M12	1	0221-NYL12
4	Cotter Pin M13 x 63	1	0261-PINC1363
5	Washer Flat M12	2	0231-F12



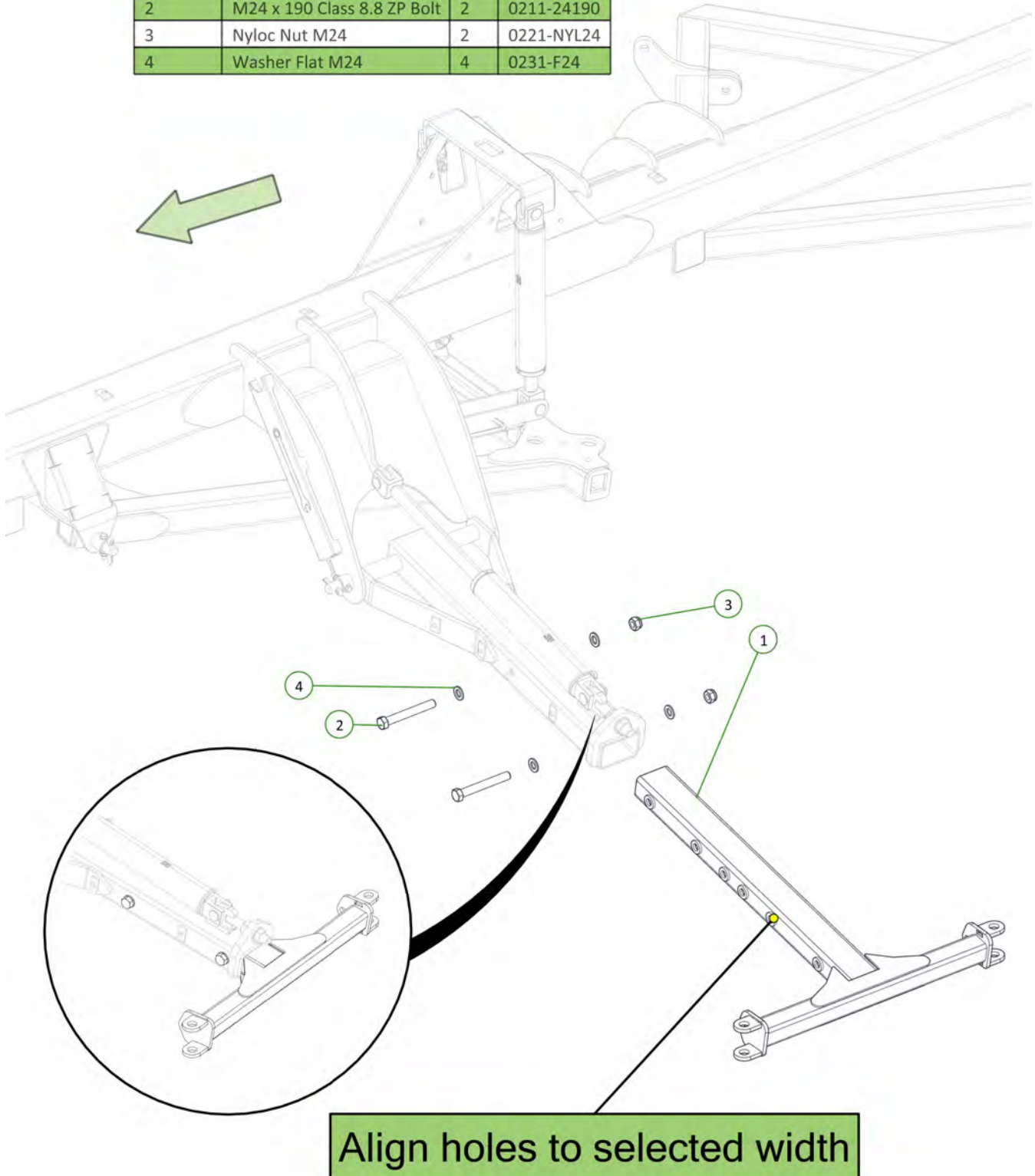
Item No.	Description	Qty	Number
1	Wing Height Adjust Rod	1	0810-157E
2	Nut M30	2	0221-30
3	Washer Flat M30	2	0231-F30

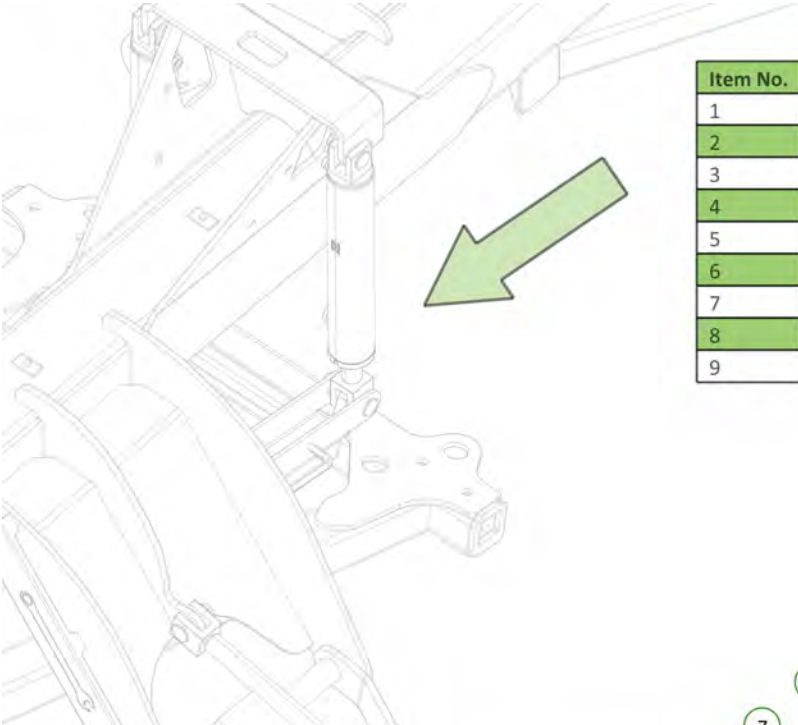


Item No.	Description	Qty	Number
1	80 Bore 400 Stroke 40 Rod Metric Hydraulic Cylinder	1	0315-8040040

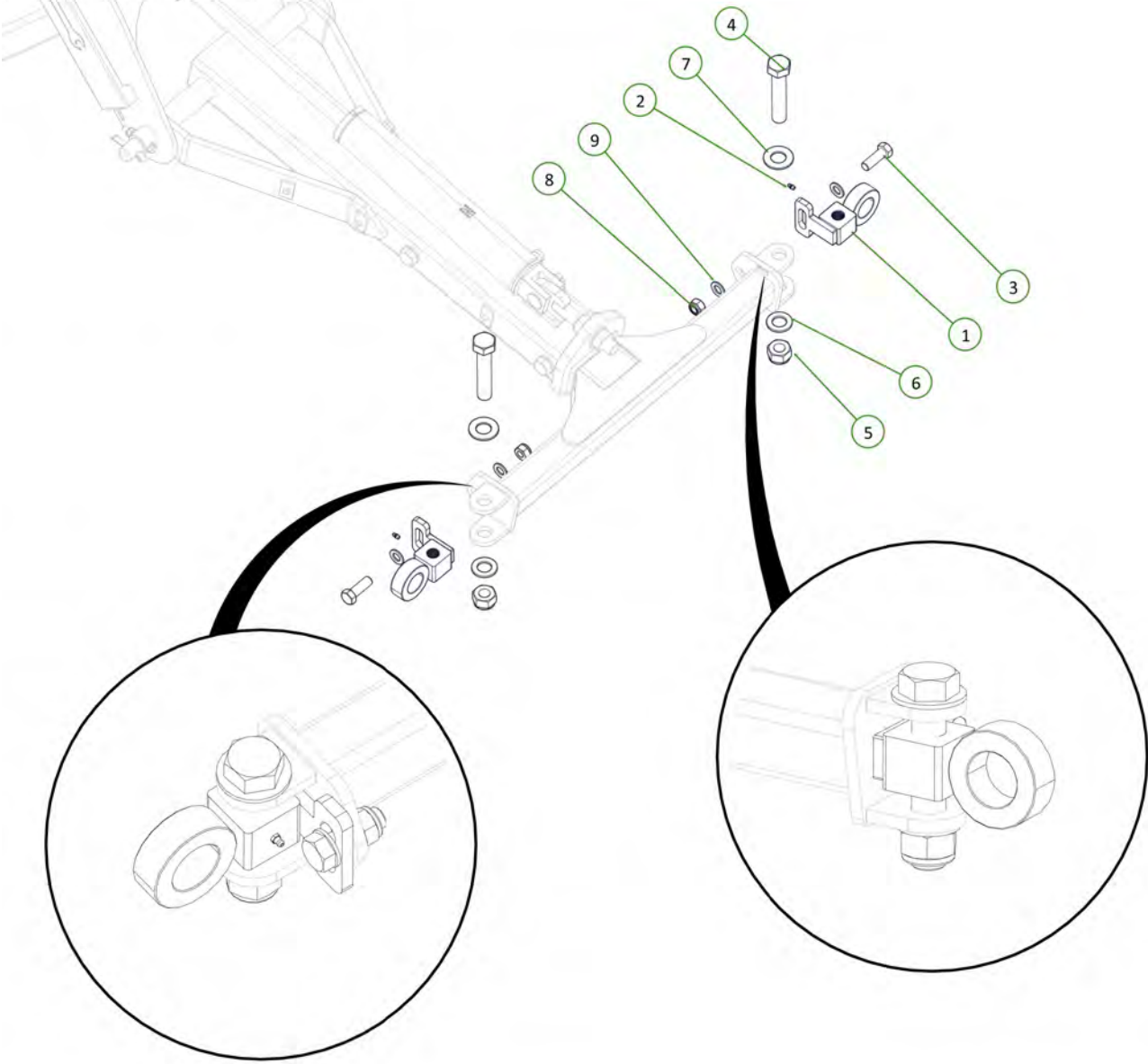


Item No.	Description	Qty	Number
1	1204 Outer Wing Frame	1	1512-03E
2	M24 x 190 Class 8.8 ZP Bolt	2	0211-24190
3	Nyloc Nut M24	2	0221-NYL24
4	Washer Flat M24	4	0231-F24

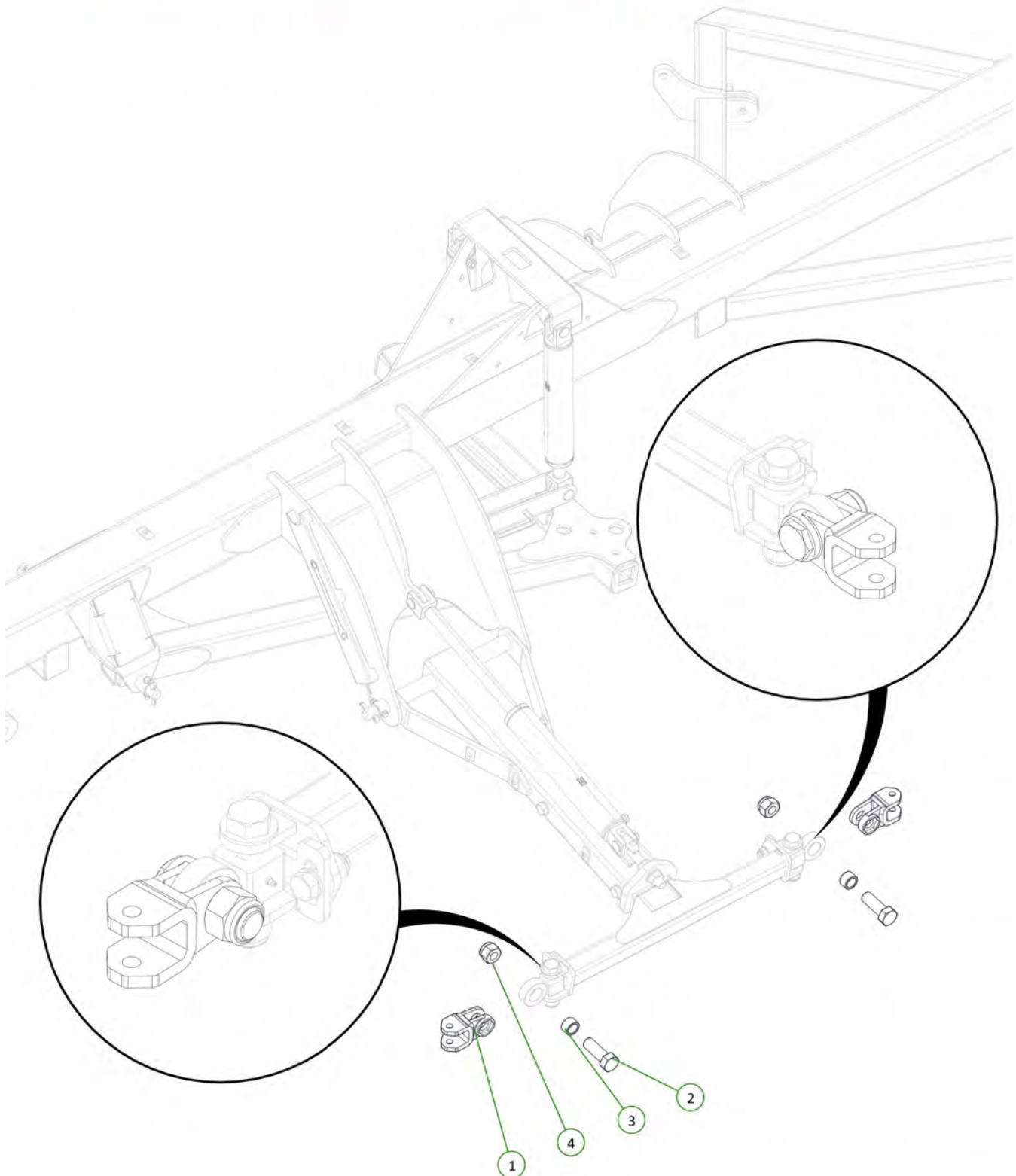




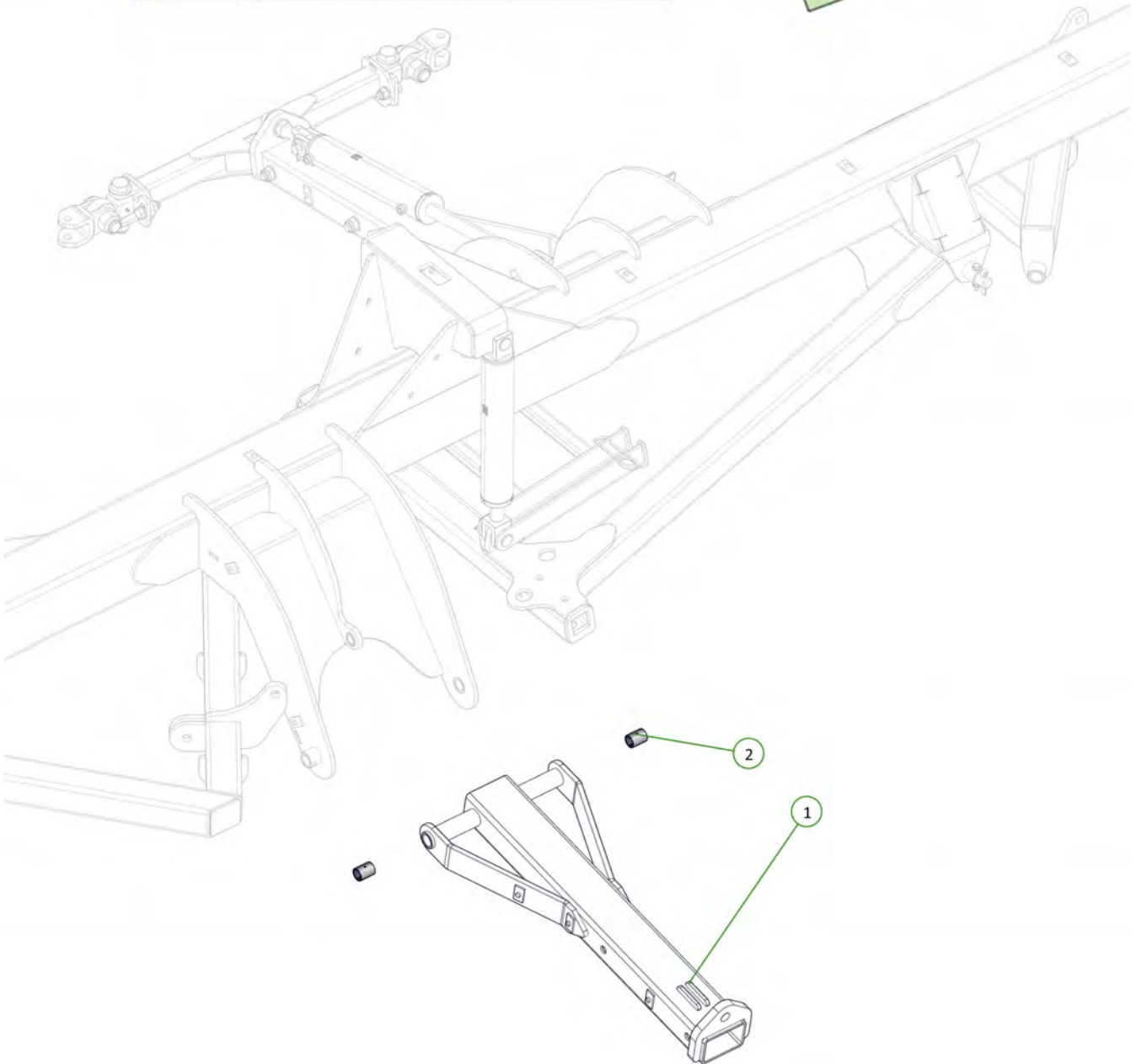
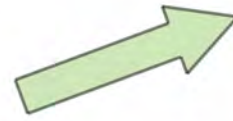
Item No.	Description	Qty	Number
1	Adjusting Clevis	2	0810-155E
2	Grease Nipple M8	2	0181-GNM8
3	M20 x 60 Class 8.8 ZP Bolt	2	0211-2060
4	M30 x 160 Class 8.8 ZP Bolt	2	0211-30160
5	Nyloc Nut M30	2	0221-NYL30
6	Washer Flat M30	2	0231-F30
7	Washer High Tensile 1 1/4"	2	0232-HT11-4
8	Nyloc Nut M20	2	0221-NYL20
9	Washer Flat M20	4	0231-F20



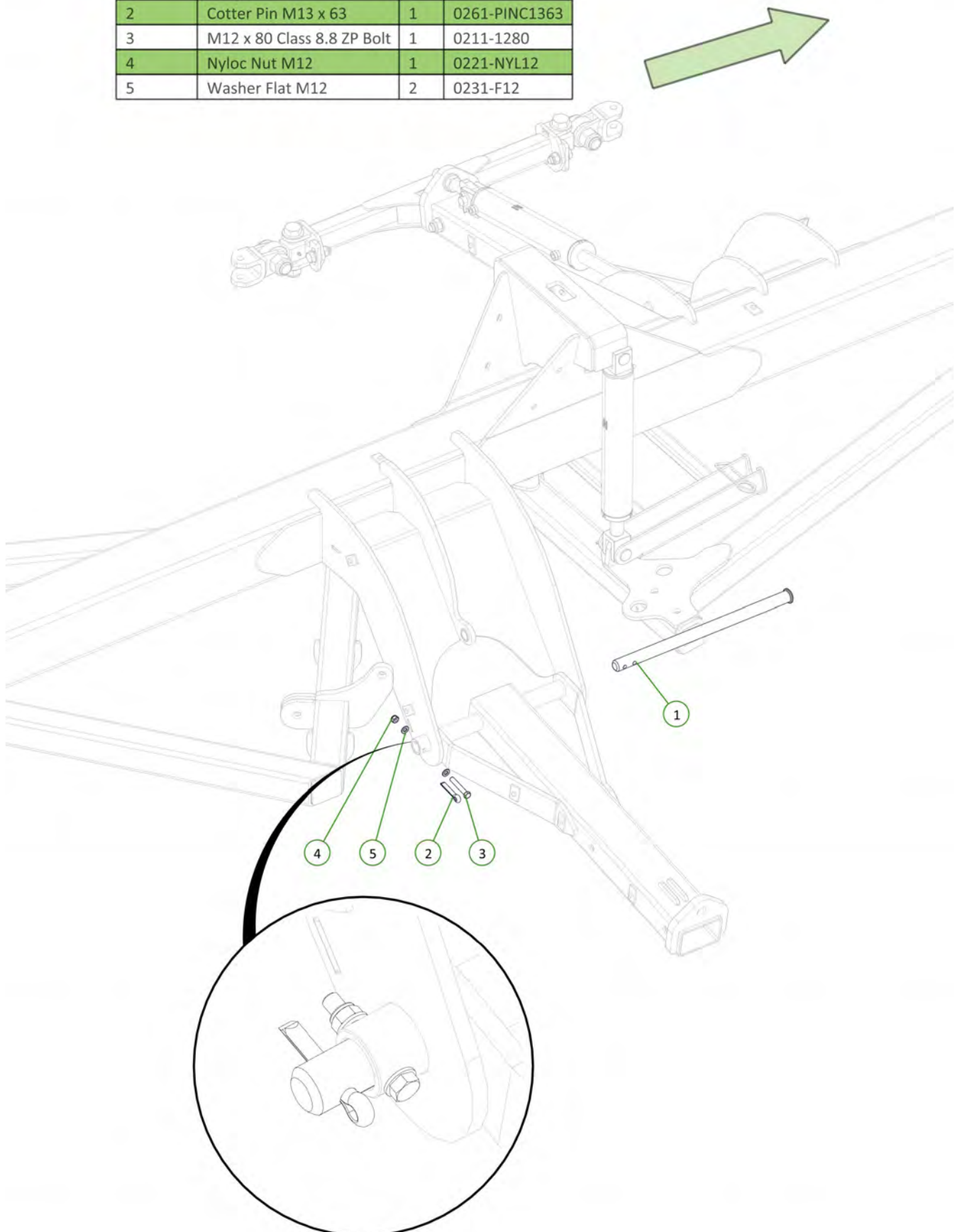
Item No.	Description	Qty	Number
1	Forged Clevis 21mm Bolt Hole	2	0801-FC21
2	M36 Grade 8.8 ZP Bolt	2	0211-36105
3	Wear Bush	2	1501-365033-SS
4	Nyloc Nut M36	2	0221-NYL36



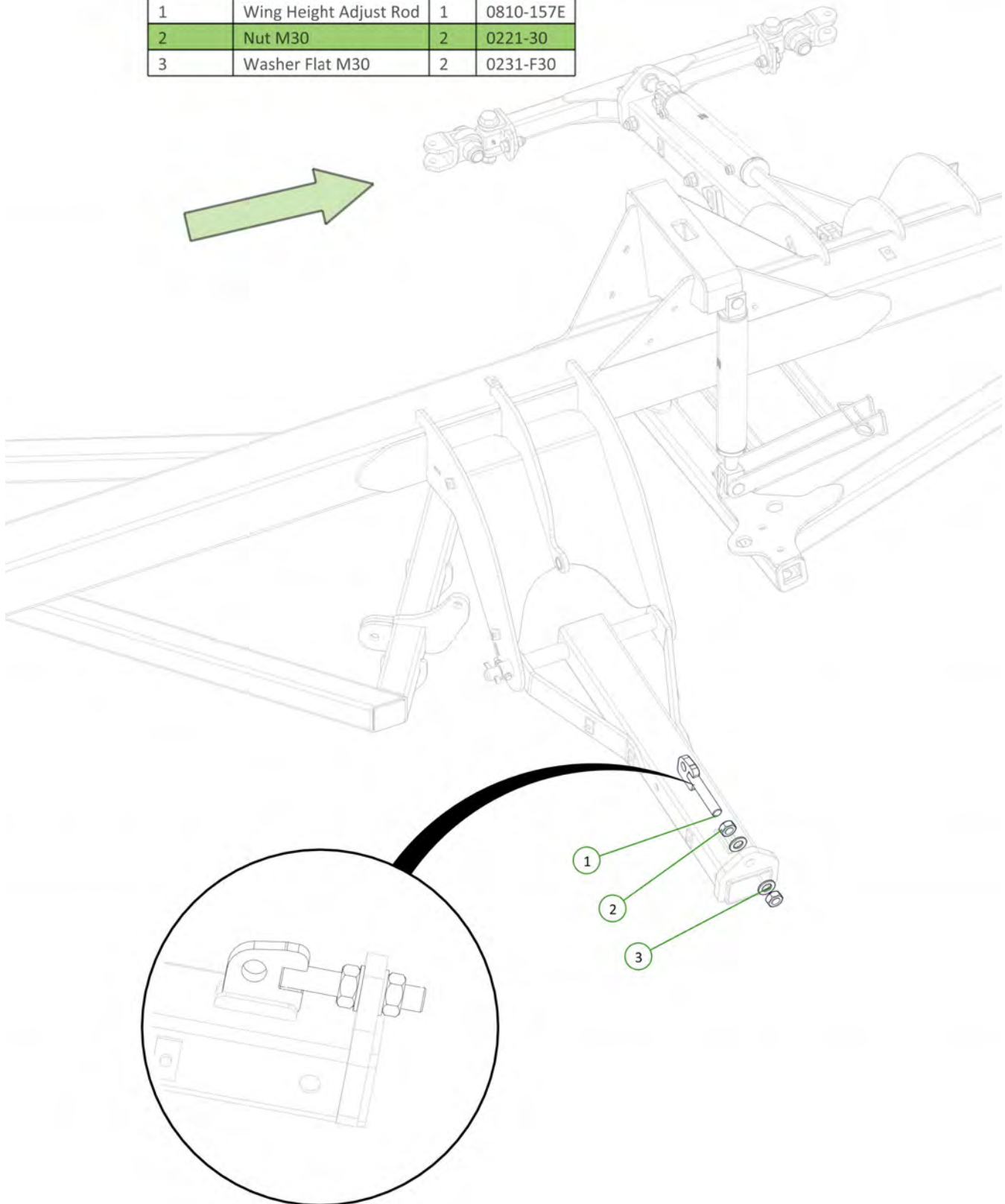
Item No.	Description	Qty	Number
1	1204 Inner Wing Frame	1	1512-02E
2	35 ID x 50mm DX Bush	2	0113-MB3550DX



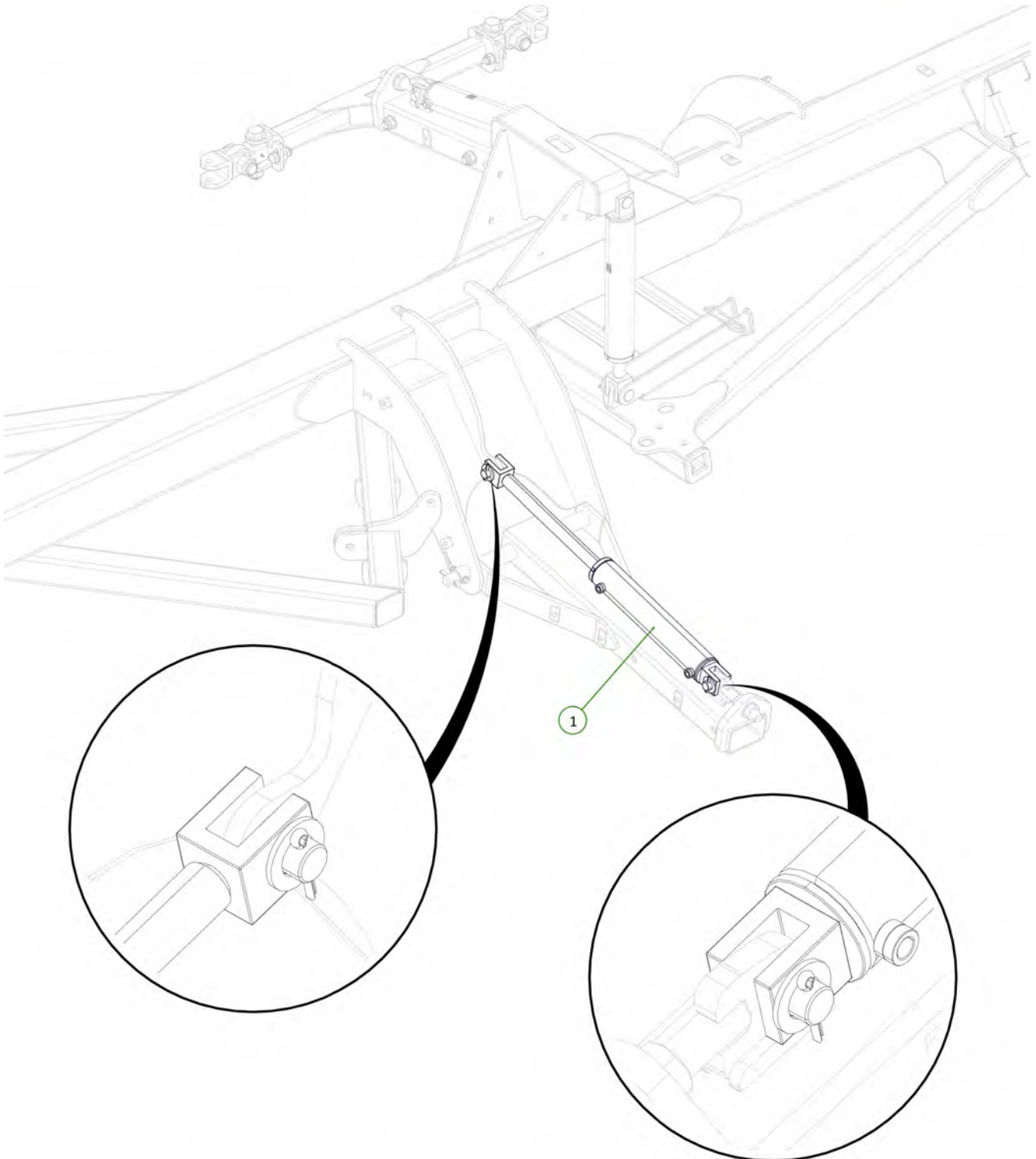
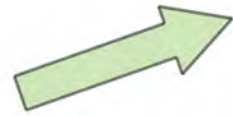
Item No.	Description	Qty	Number
1	Long Pivot Pin	1	1501-35615
2	Cotter Pin M13 x 63	1	0261-PINC1363
3	M12 x 80 Class 8.8 ZP Bolt	1	0211-1280
4	Nyloc Nut M12	1	0221-NYL12
5	Washer Flat M12	2	0231-F12



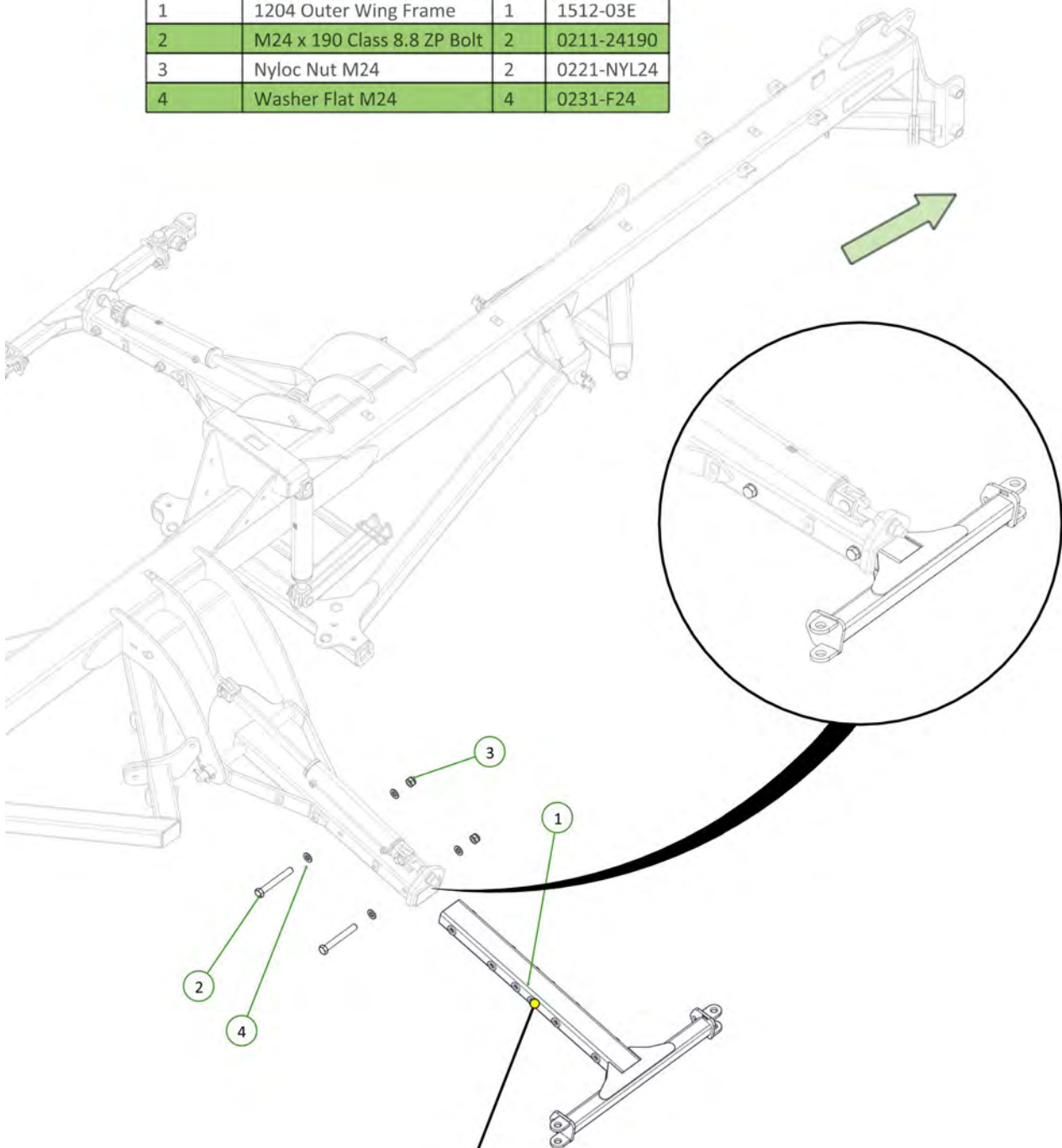
Item No.	Description	Qty	Number
1	Wing Height Adjust Rod	1	0810-157E
2	Nut M30	2	0221-30
3	Washer Flat M30	2	0231-F30



Item No.	Description	Qty	Number
1	80 Bore 400 Stroke 40 Rod Metric Hydraulic Cylinder	1	0315-8040040

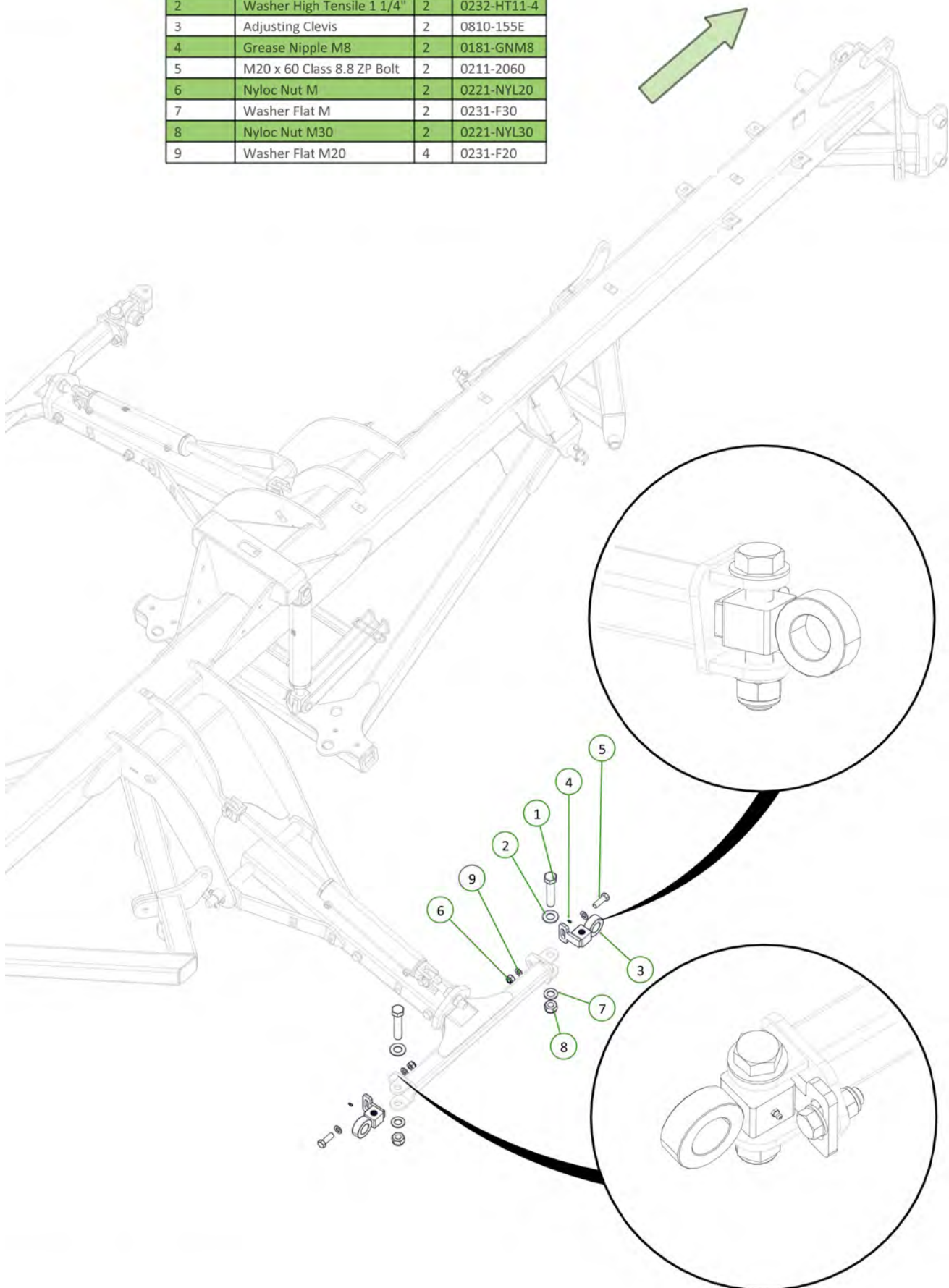


Item No.	Description	Qty	Number
1	1204 Outer Wing Frame	1	1512-03E
2	M24 x 190 Class 8.8 ZP Bolt	2	0211-24190
3	Nyloc Nut M24	2	0221-NYL24
4	Washer Flat M24	4	0231-F24

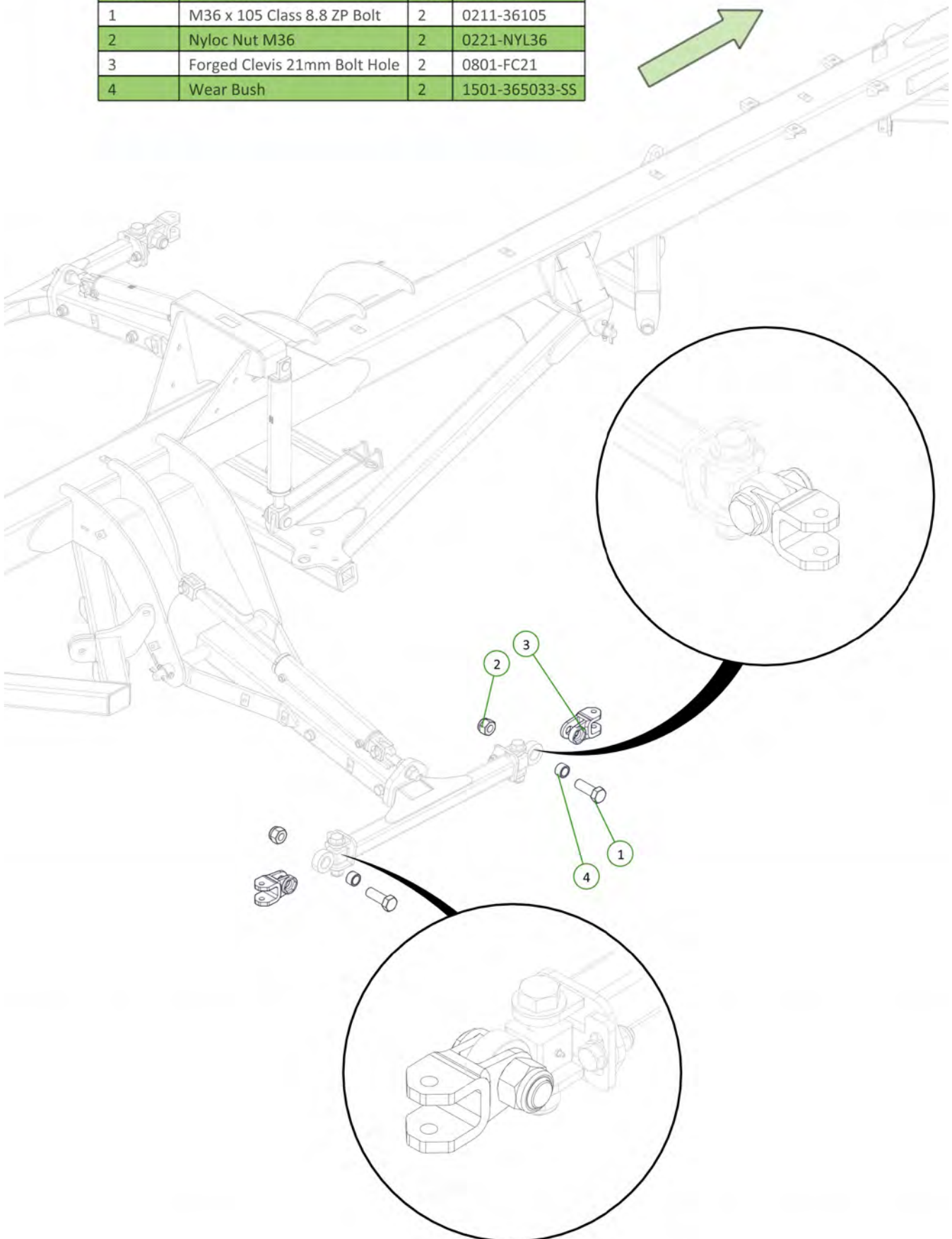


Align holes to selected width

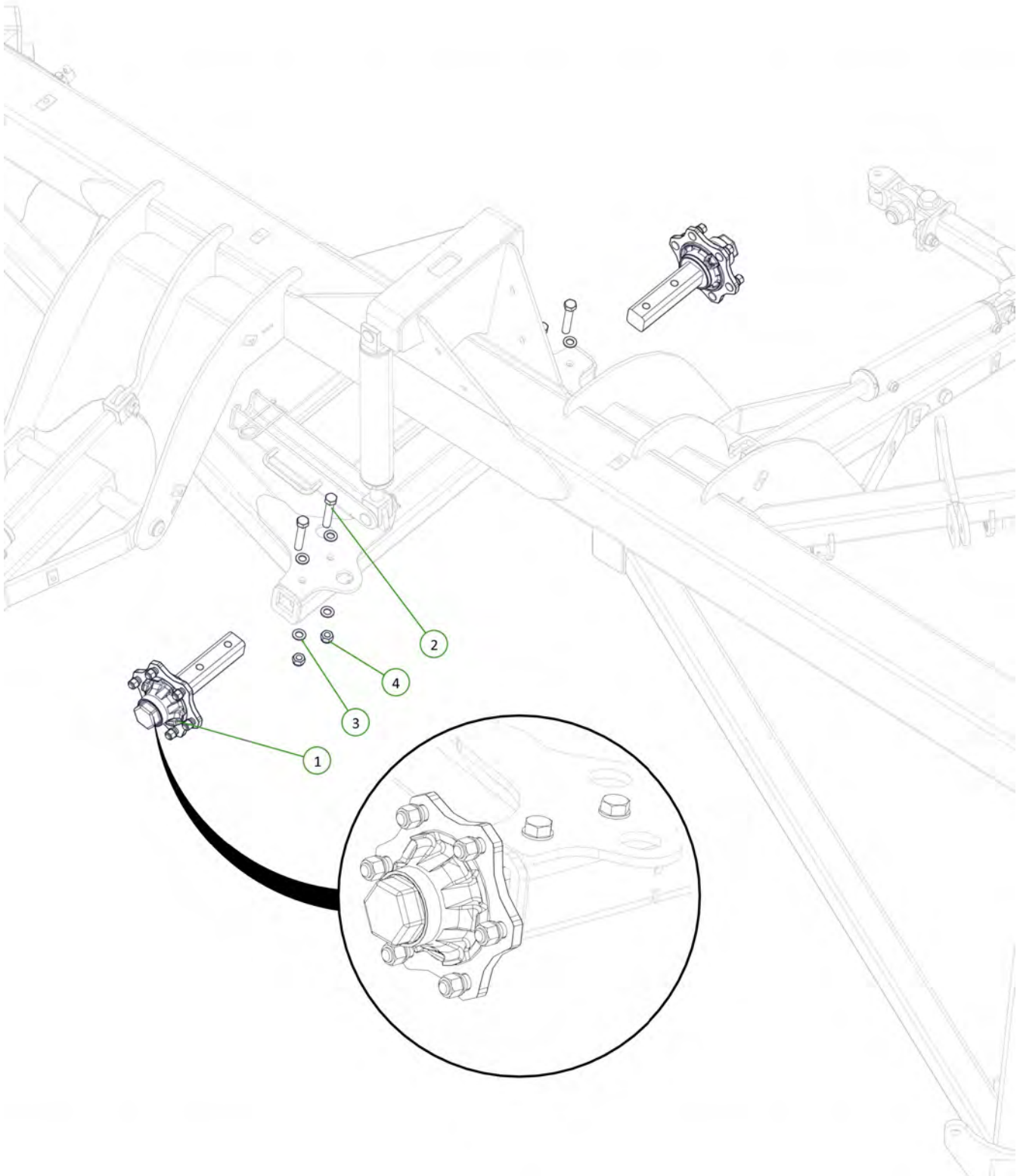
Item No.	Description	Qty	Number
1	M30 x 160 Class 8.8 ZP Bolt	2	0211-30160
2	Washer High Tensile 1 1/4"	2	0232-HT11-4
3	Adjusting Clevis	2	0810-155E
4	Grease Nipple M8	2	0181-GNM8
5	M20 x 60 Class 8.8 ZP Bolt	2	0211-2060
6	Nyloc Nut M	2	0221-NYL20
7	Washer Flat M	2	0231-F30
8	Nyloc Nut M30	2	0221-NYL30
9	Washer Flat M20	4	0231-F20



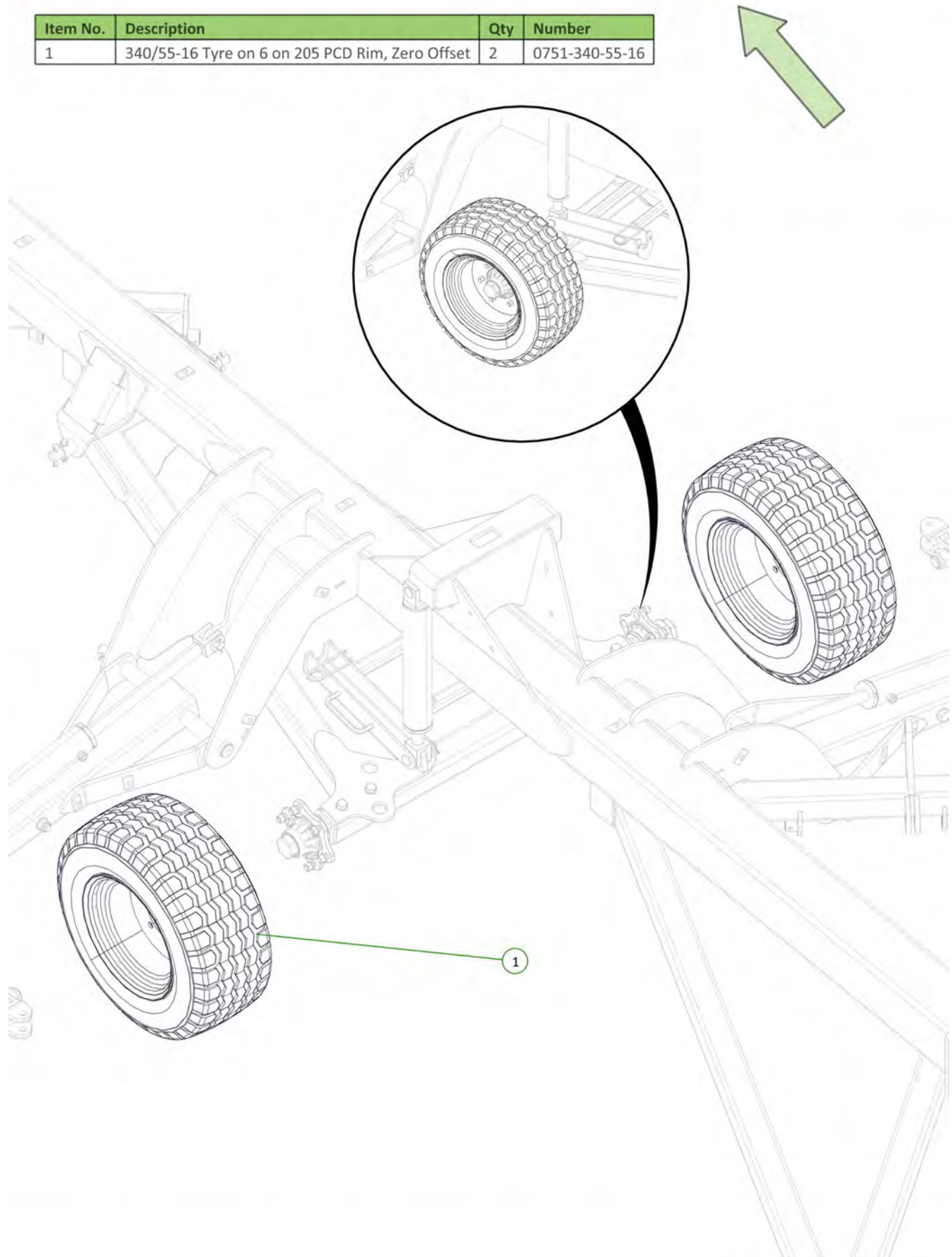
Item No.	Description	Qty	Number
1	M36 x 105 Class 8.8 ZP Bolt	2	0211-36105
2	Nyloc Nut M36	2	0221-NYL36
3	Forged Clevis 21mm Bolt Hole	2	0801-FC21
4	Wear Bush	2	1501-365033-SS



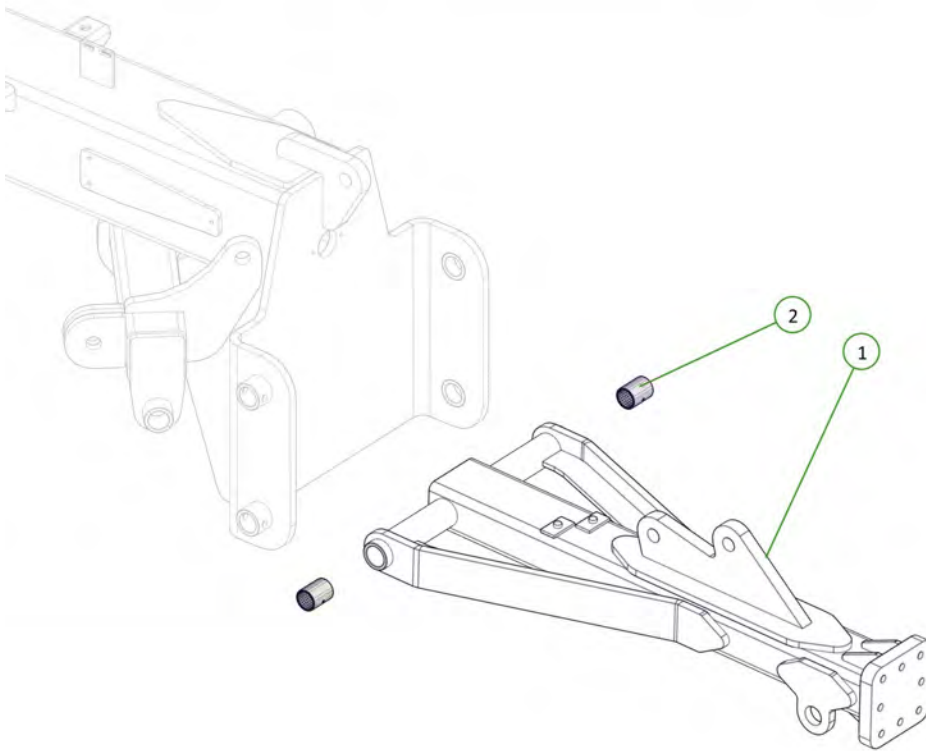
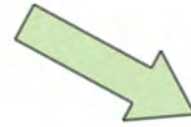
Item No.	Description	Qty	Number
1	60mm ADR Stub Axle, 6 stud, Unbraked	2	0733-S60LR600N035
2	M20 x 110 Class 8.8 ZP Bolt	4	0211-20110
3	Washer Flat M20	8	0231-F20
4	Nyloc Nut M20	4	0221-NYL20



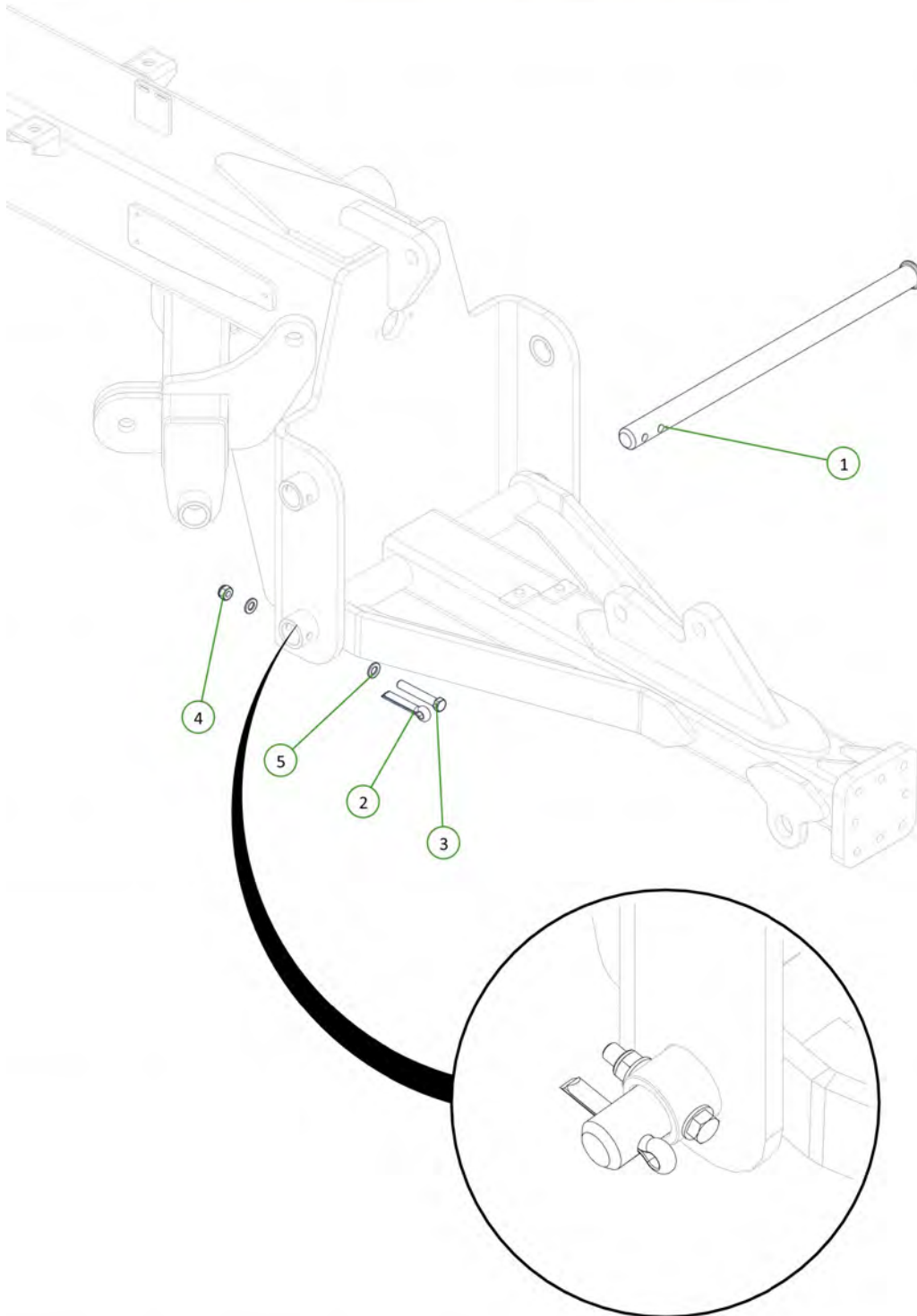
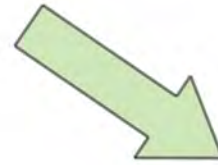
Item No.	Description	Qty	Number
1	340/55-16 Tyre on 6 on 205 PCD Rim, Zero Offset	2	0751-340-55-16



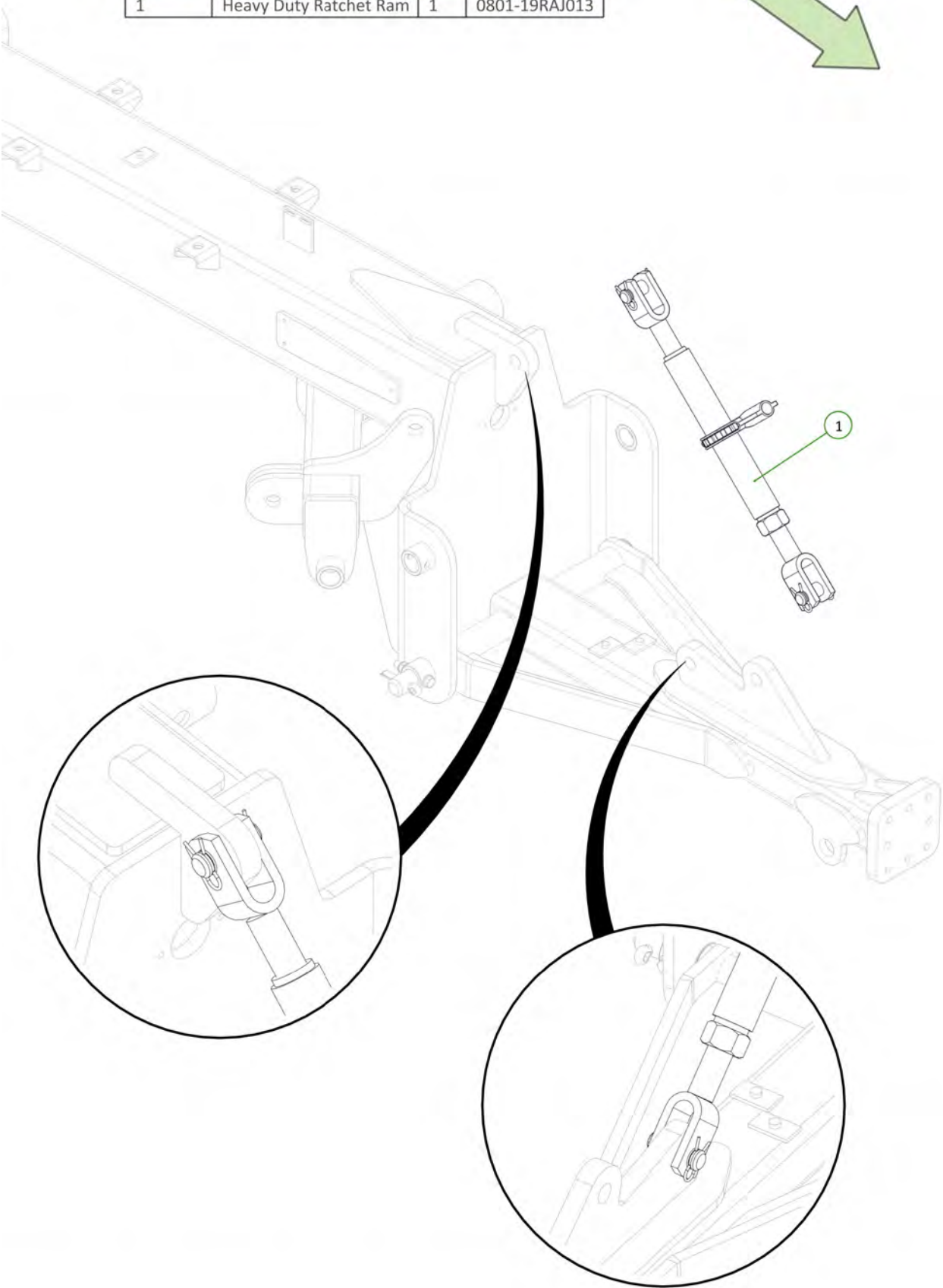
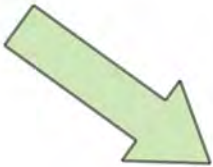
Item No.	Description	Qty	Number
1	Drawbar	1	1520-08E
2	35 ID x 50mm DX Bush	2	0113-MB3550DX



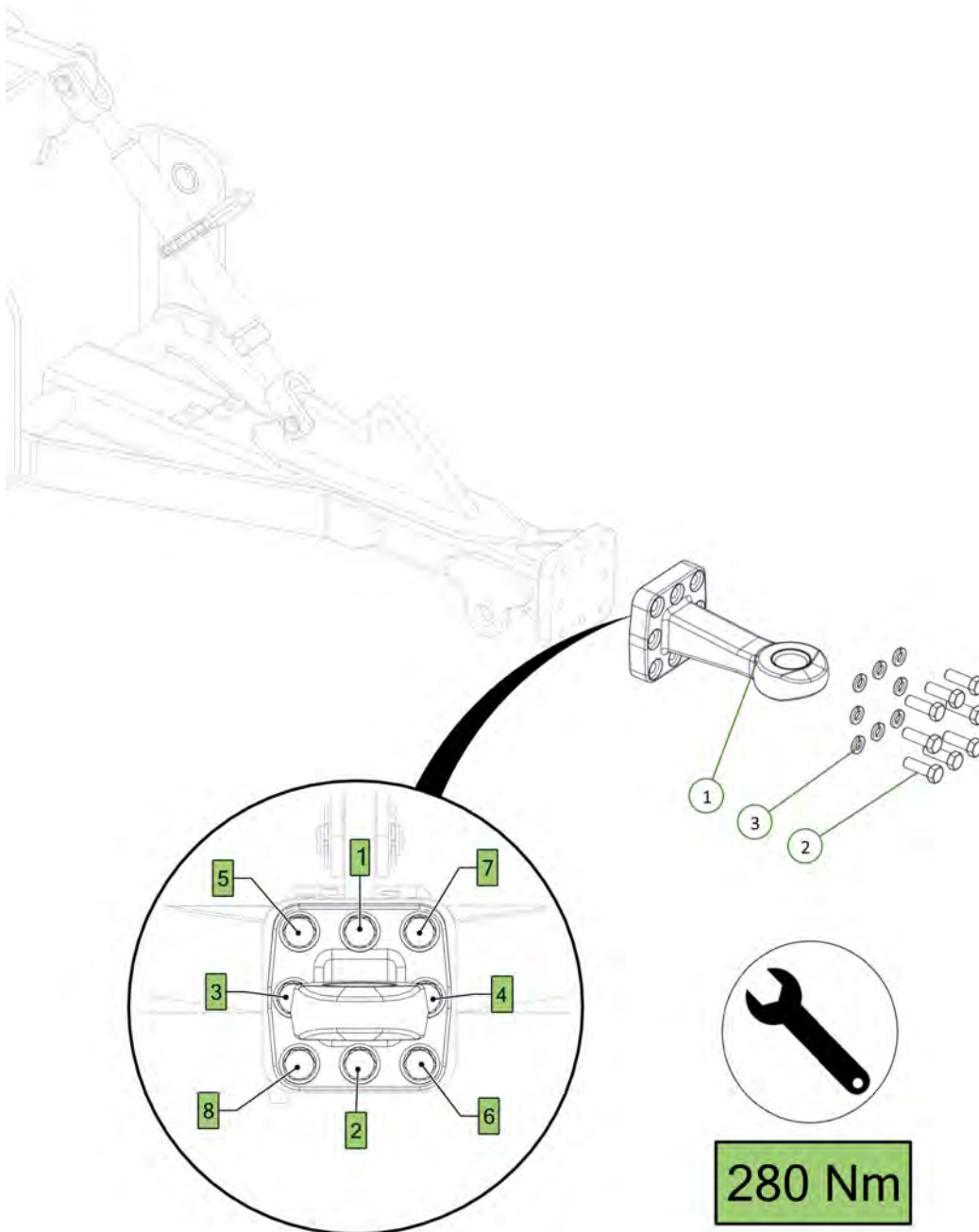
Item No.	Description	Qty	Number
1	Long Pivot Pin	1	1501-35615
2	Cotter Pin M13 x 63	1	0261-PINC1363
3	M12 x 80 Class 8.8 ZP Bolt	1	0211-1280
4	Nyloc Nut M12	1	0221-NYL12
5	Washer Flat M12	2	0231-F12

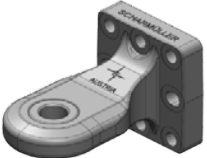




Item No.	Description	Qty	Number
1	Heavy Duty Ratchet Ram	1	0801-19RAJ013

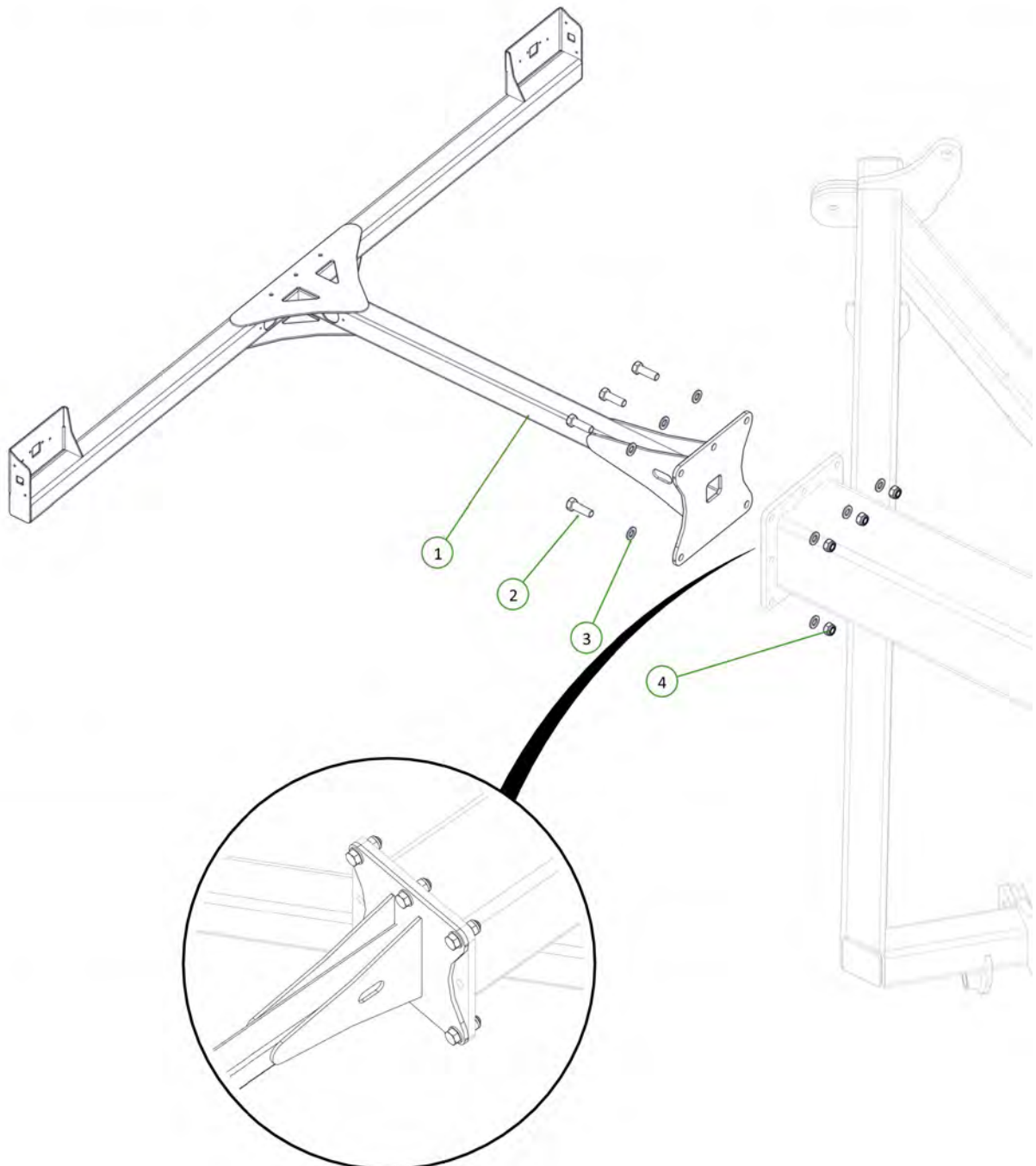


Item No.	Description	Qty	Number
1	50mm Flanged Drawbar Eye	1	1501-RCBO50MM
2	M16 x 50 Class 10.9 ZP Bolt	8	0211-1650HT
3	Washer Spring M16	8	0231-S16

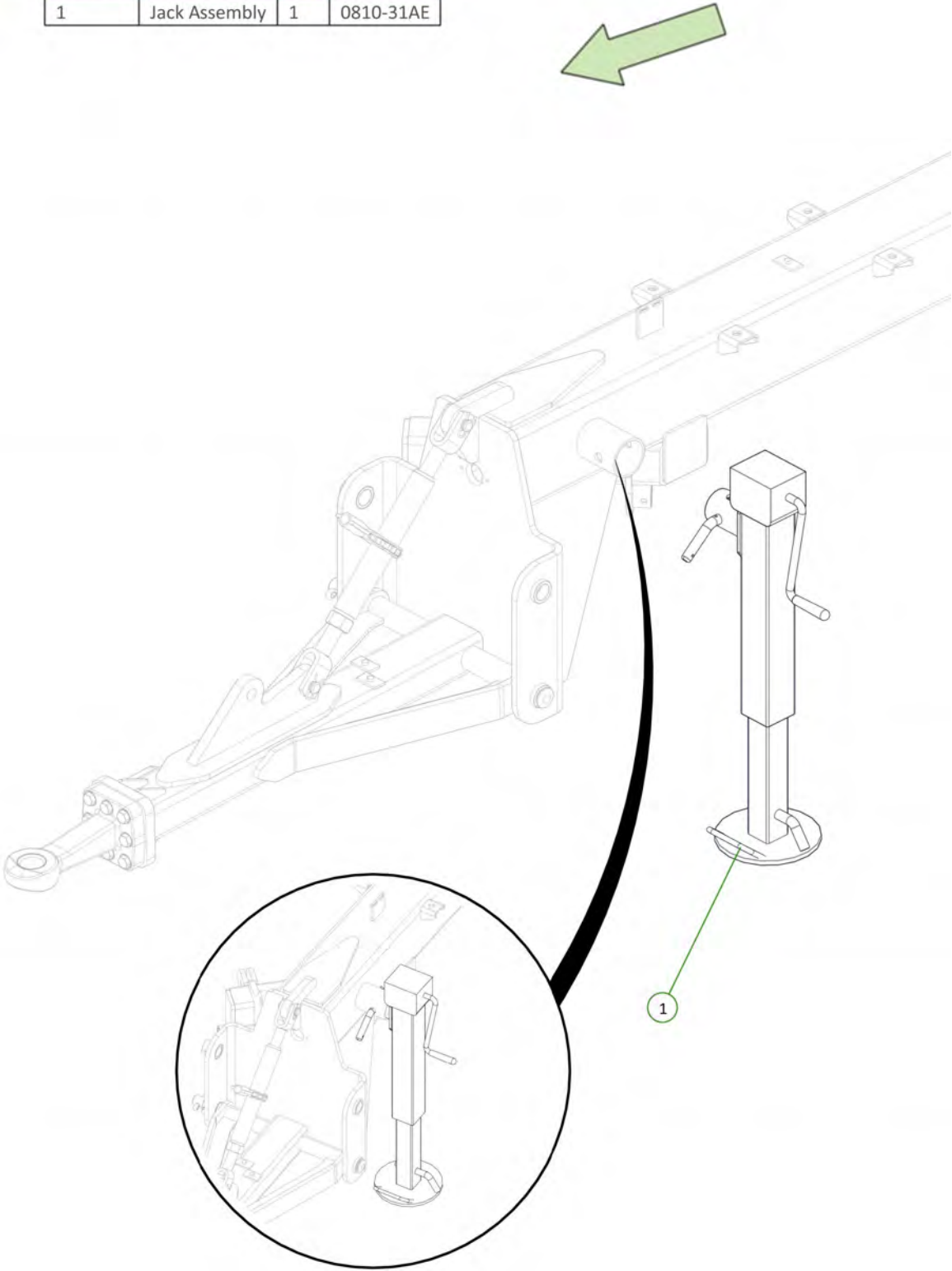


0801-00.652.151-1A02 Ball Joint Towing Eye, with flange CAT2 Scharmüller	Flange Hole Pattern (mm): 110x100 Connection: Ball Joint Towing Eye Cat. 2 DØ33mm Thread: M16 Hole Pattern Holes: 8 Working Length (mm): 173 Max. Permissible D-Value (kN): 89,3 Max. Permissible Vertical Load (kg): 3000	
0801-00.652.24.0-A90 Standard Towing Eye, with flange CAT 2 Scharmüller	Flange Hole Pattern (mm): 110x100 Connection: Standard Towing Eye DØ40mm (42mm thick) Thread: M16 Hole Pattern Holes: 6 Working Length (mm): 240 Max. Permissible D-Value (kN): 89,3 Max. Permissible Vertical Load (kg): 2500	
1510-46A 2 Point Hitch CAT 3	Flange Hole Pattern (mm): 110x100 Connection: Thread: M16 Hole Pattern Holes: 8 Working Length (mm): 276	

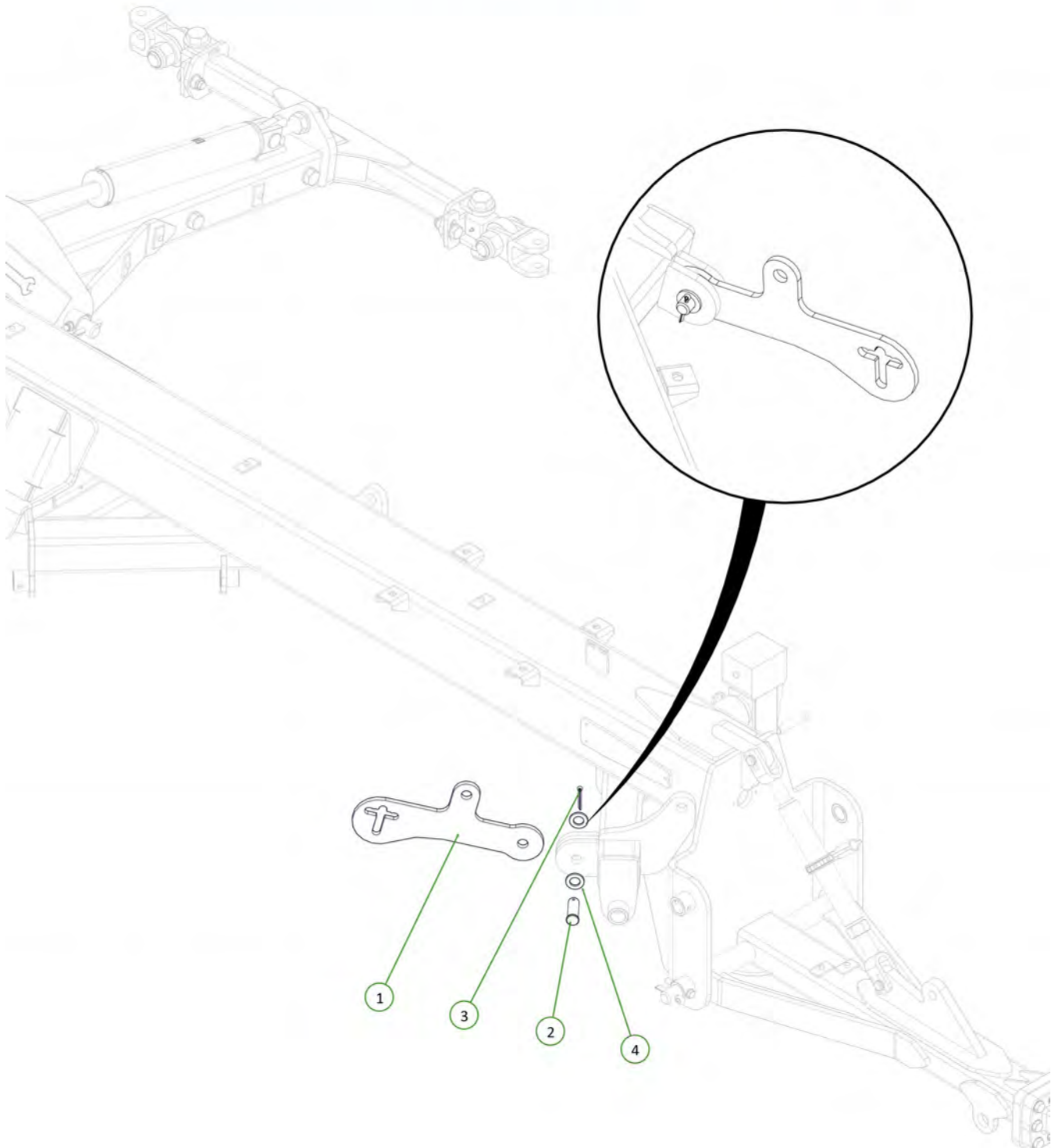
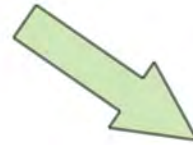
Item No.	Description	Qty	Number
1	Rear Signage Frame	1	1510-57E
2	M16 x 50 Class 10.9 ZP Bolt	5	0211-1650HT
3	Washer Flat M16	10	0231-F16
4	Nyloc Nut M16	5	0221-NYL16



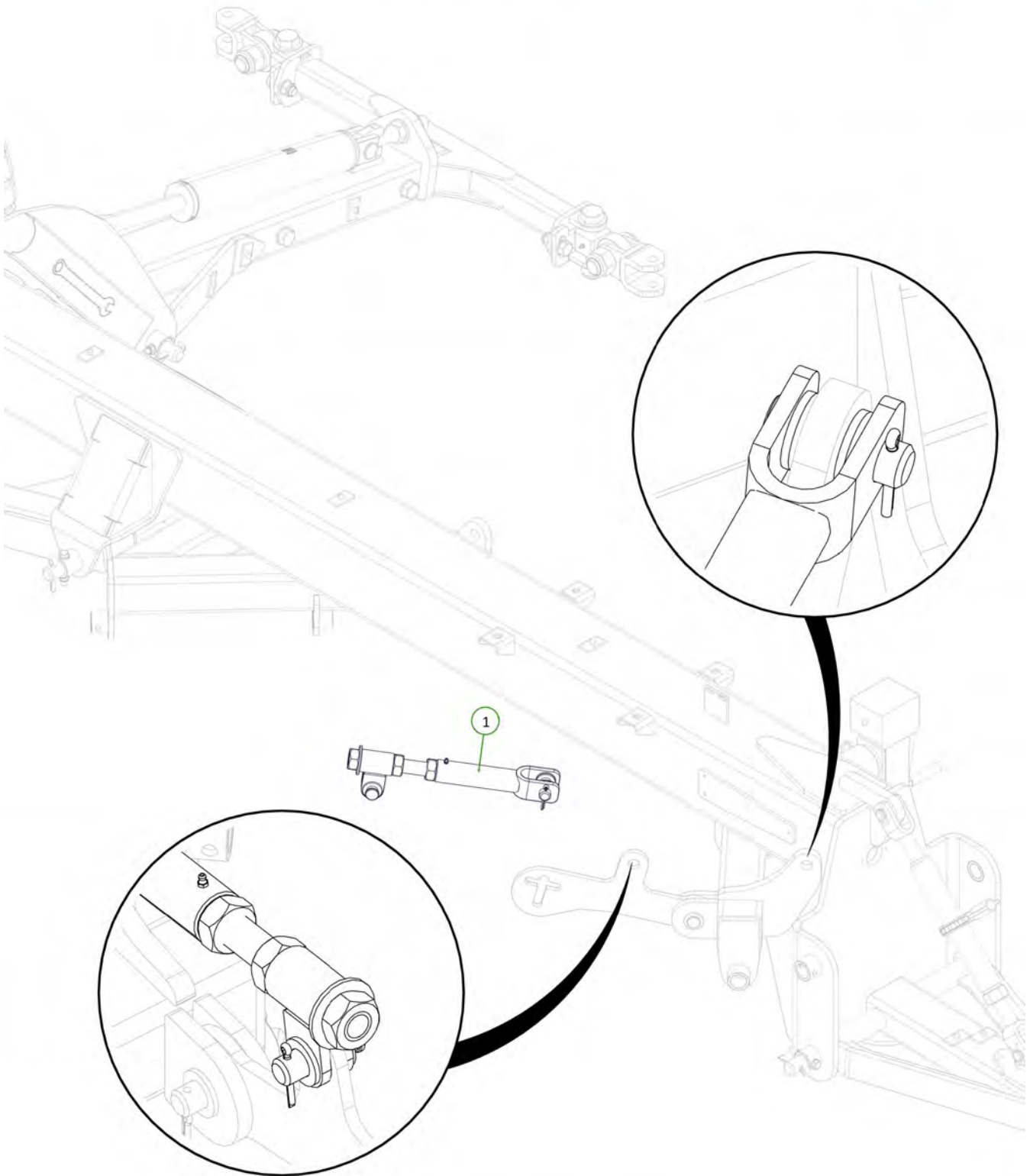
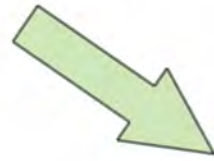
Item No.	Description	Qty	Number
1	Jack Assembly	1	0810-31AE



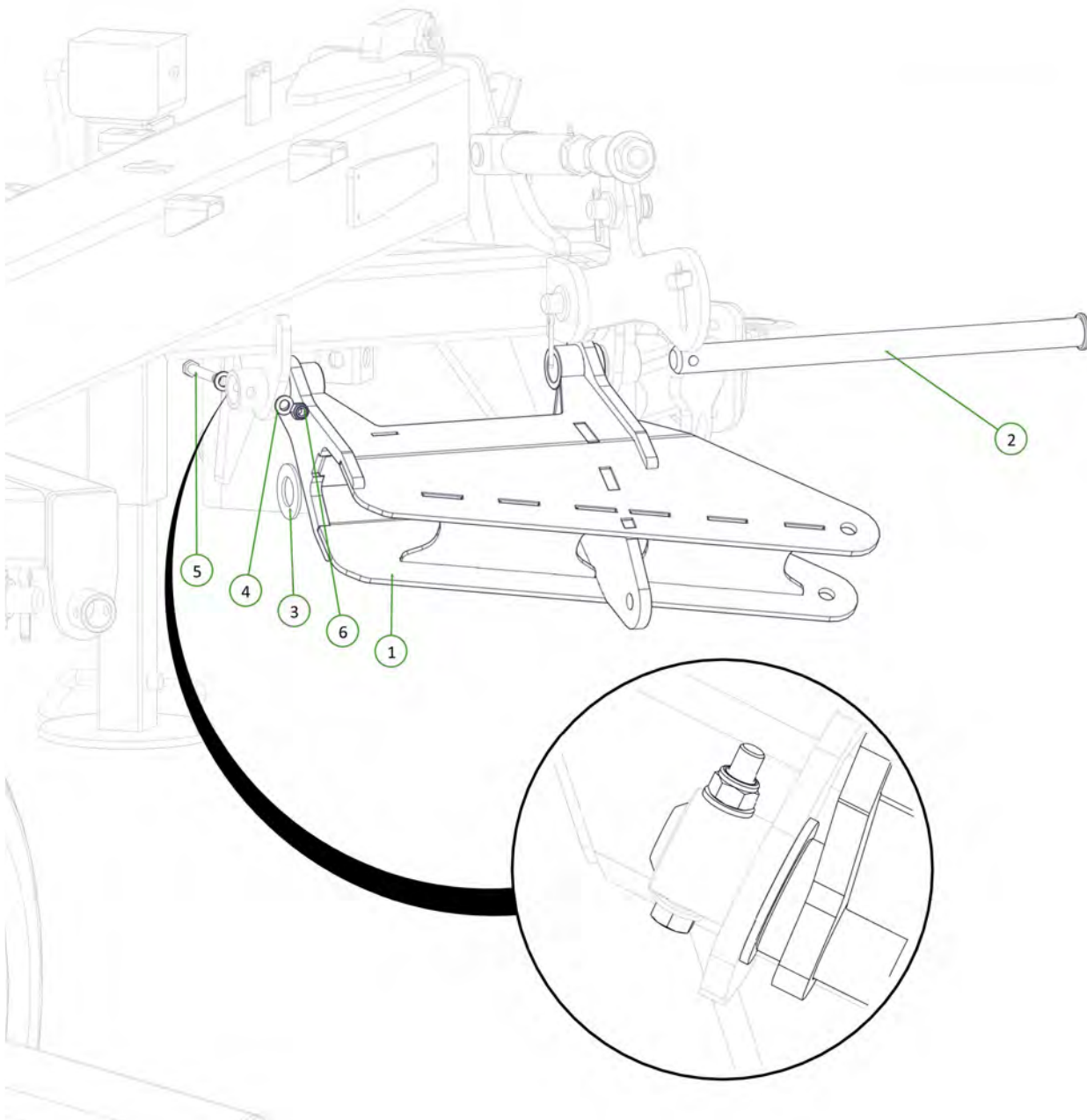
Item No.	Description	Number	Qty
1	Chain Height Adjustor Arm	1500-532E	1
2	Clevis Pin 25mm x 75mm	0801-KE0307-1	1
3	Cotter Pin M6 x 50mm	0261-PINC650	1
4	Washer Flat M24	0231-F24	2



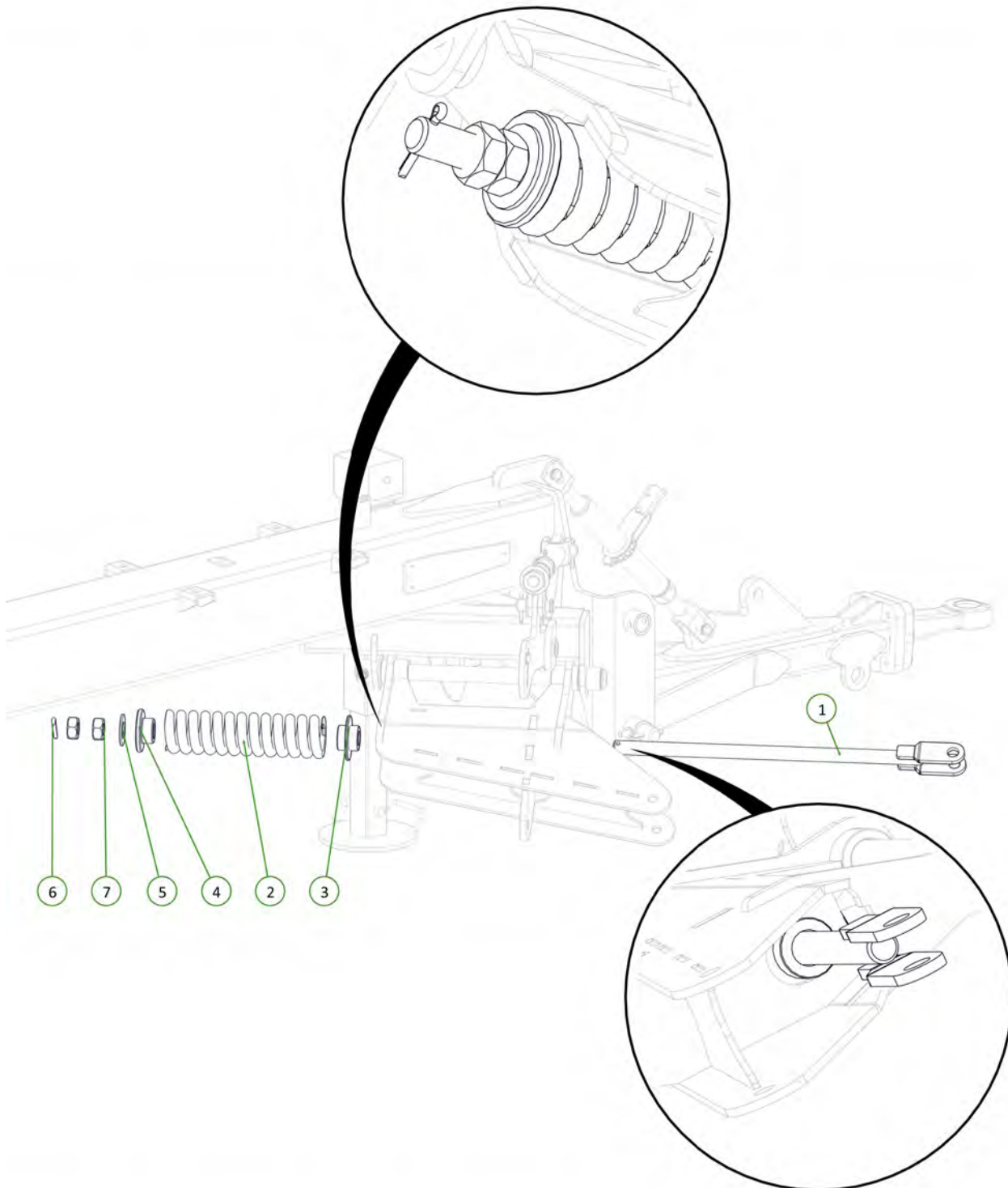
Item No.	Description	Number	Qty
1	Height Adjuster	0802-001E	1



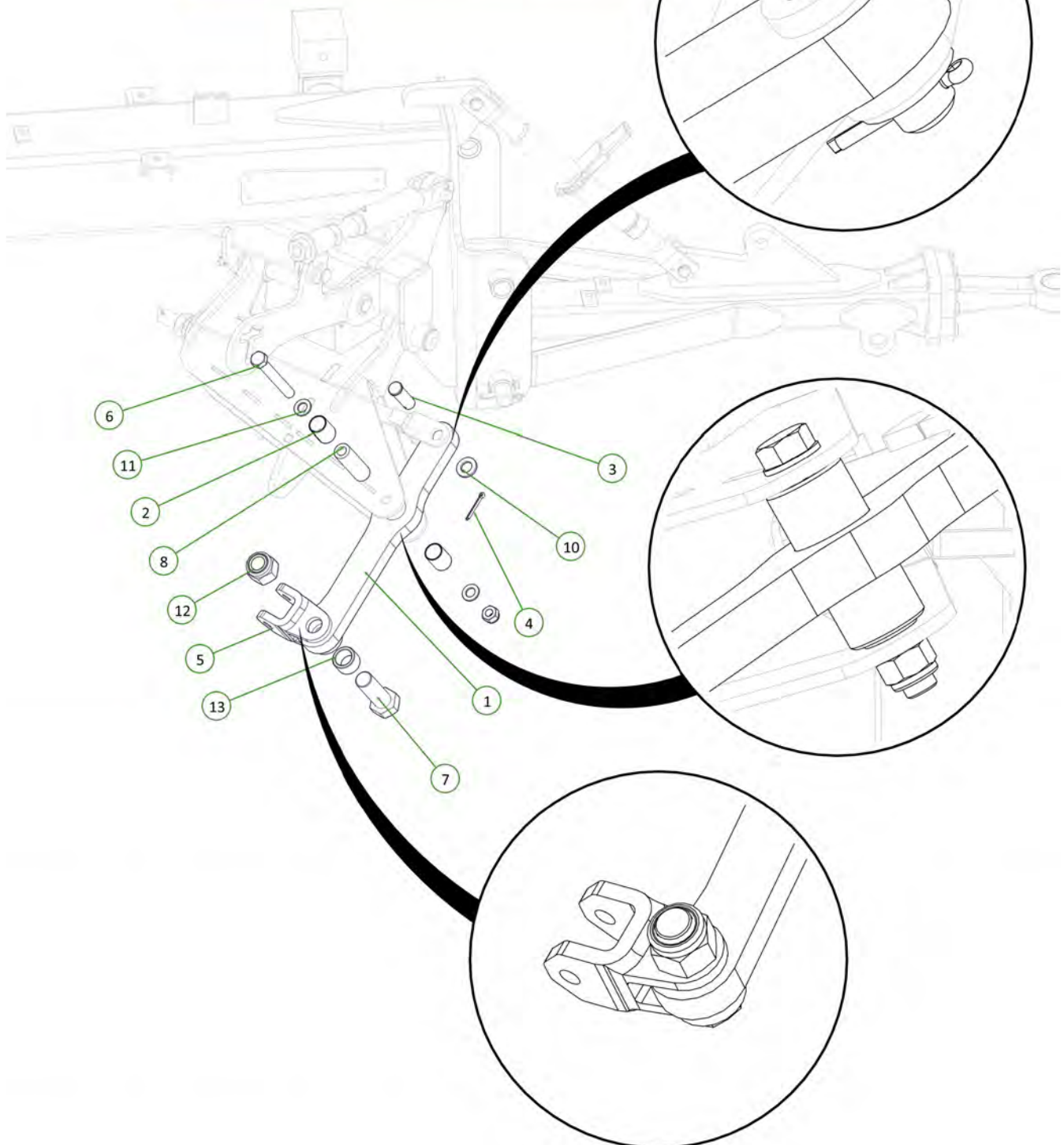
Item No.	Description	Number	Qty
1	Tension Box	0810-57	1
2	Chain Mount Pivot Pin	0801-10-51	1
3	Washer High Tensile 1 3/8"	0232-HT13-8	1
4	Washer Flat M12	0231-F12	2
5	M12 x 80 Class 8.8 ZP Bolt	0211-1280	1
6	Nyloc Nut M12	0221-NYL12	1



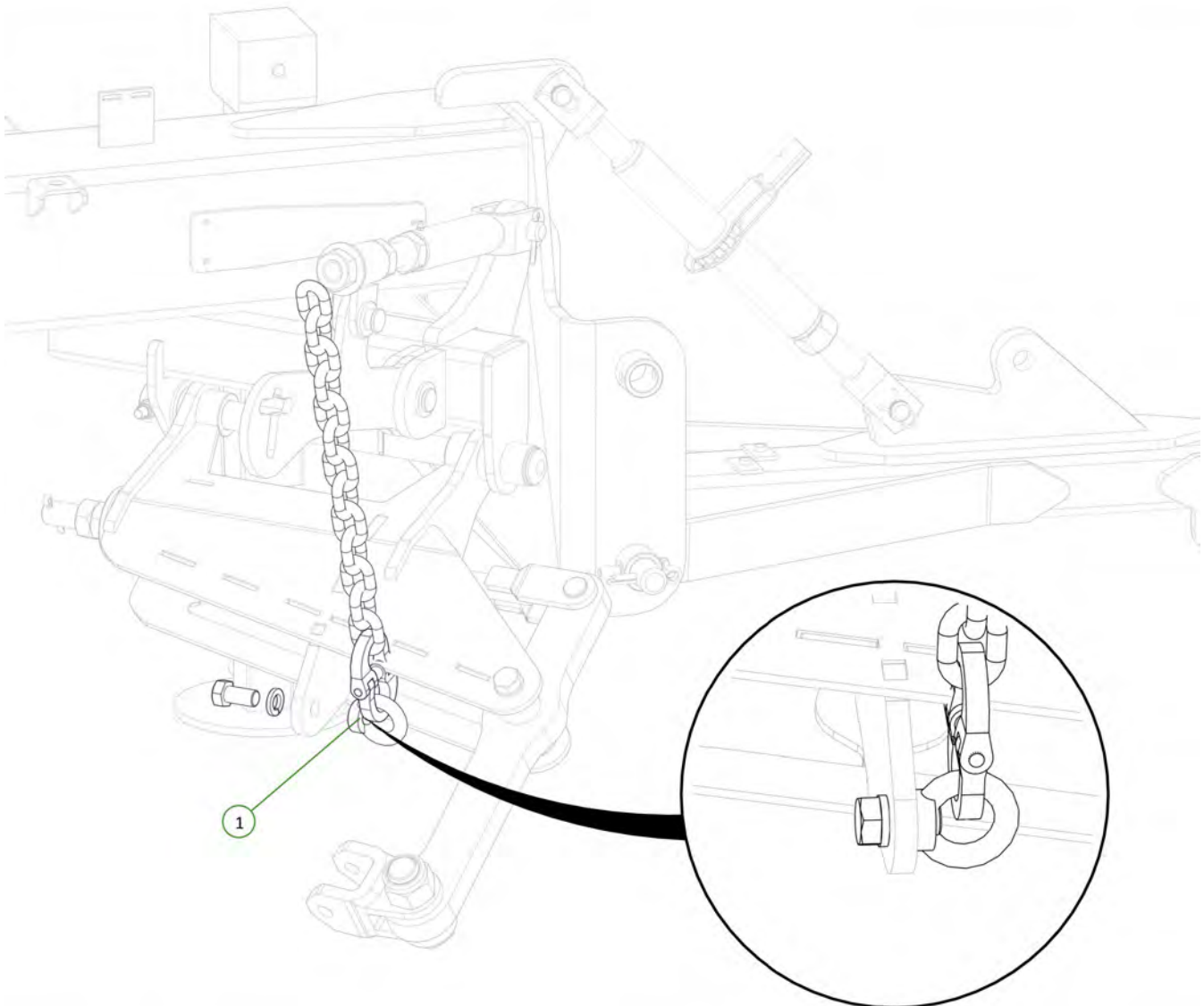
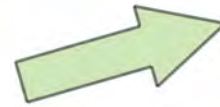
Item No.	Description	Number	Qty
1	Module Tension Linkage	0810-105E	1
2	20mm Compression Spring	0801-XK9261S	1
3	Rigid Spring Locator	0801-10-S2L	1
4	Steel Spring Retaining Bush	0801-PCHTA-SB	1
5	Washer High Tensile 1 3/8"	0232-HT13-8	1
6	Cotter Pin M8 x 50mm	0261-PINC850	1
7	Nut M30	0221-30	2



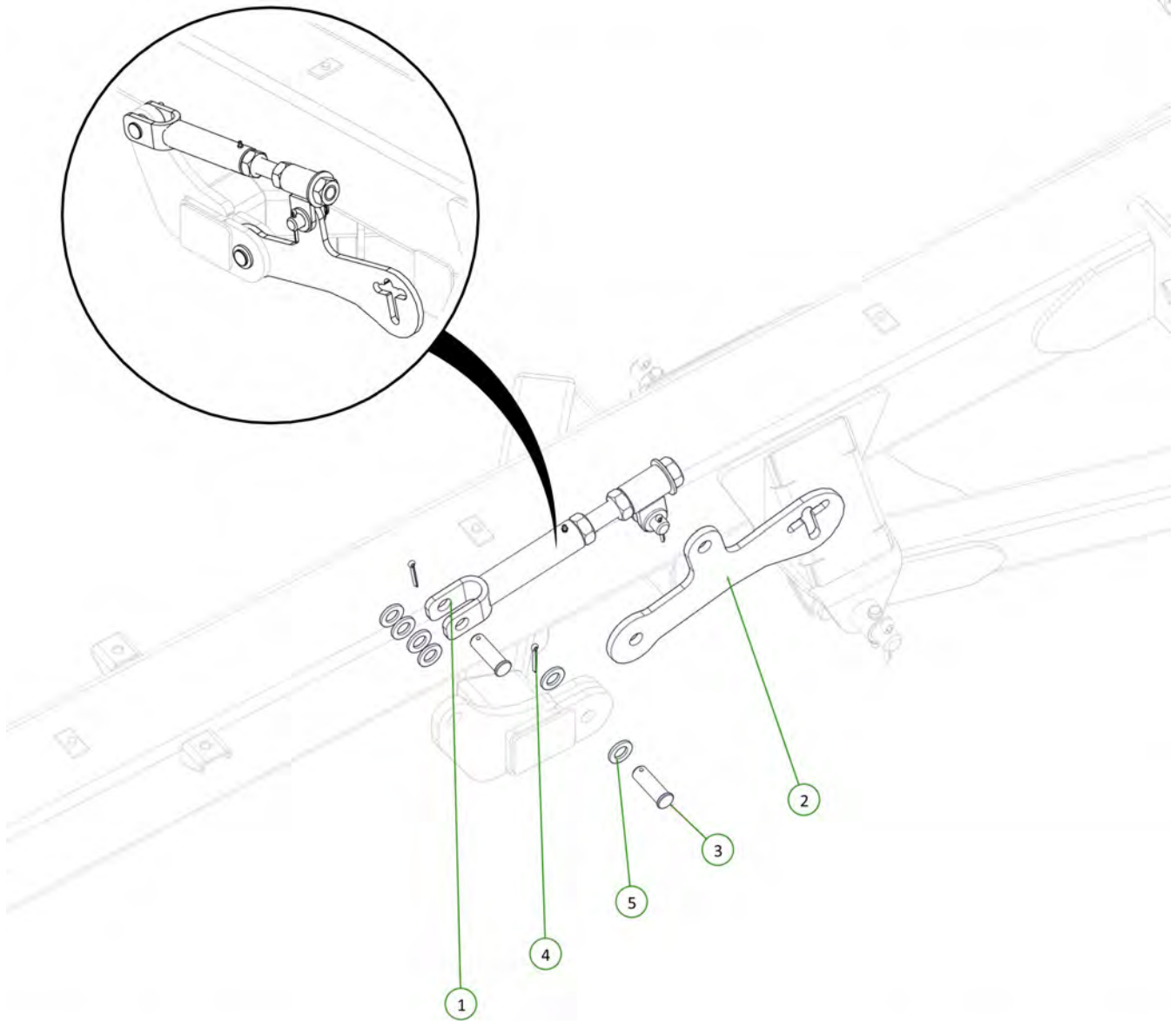
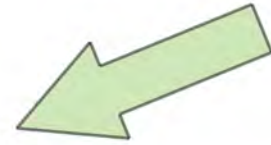
Item No.	Description	Number	Qty
1	Tension Arm 4m Weld	0810-104-3.5E	1
2	35 ID x 50mm DU Bush	0113-MB3550DU	2
3	Clevis Pin 25mm x 75mm	0801-KE0307-1	1
4	Cotter Pin M6 x 50mm	0261-PINC650	1
5	Forged Clevis 21mm Bolt Hole	0801-FC21	1
6	M20 x 160 Class 8.8 ZP Bolt	0211-20160	1
7	M36 x 105 Class 8.8 ZP Bolt	0211-36105	1
8	Module Pivot Arm Bush	0801-10-110	1
10	Washer Flat M24	0231-F24	1
11	Washer Flat M20	0231-F20	2
12	Nyloc Nut M36	0221-NYL36	1
13	Wear Bush	1501-365033-SS	1



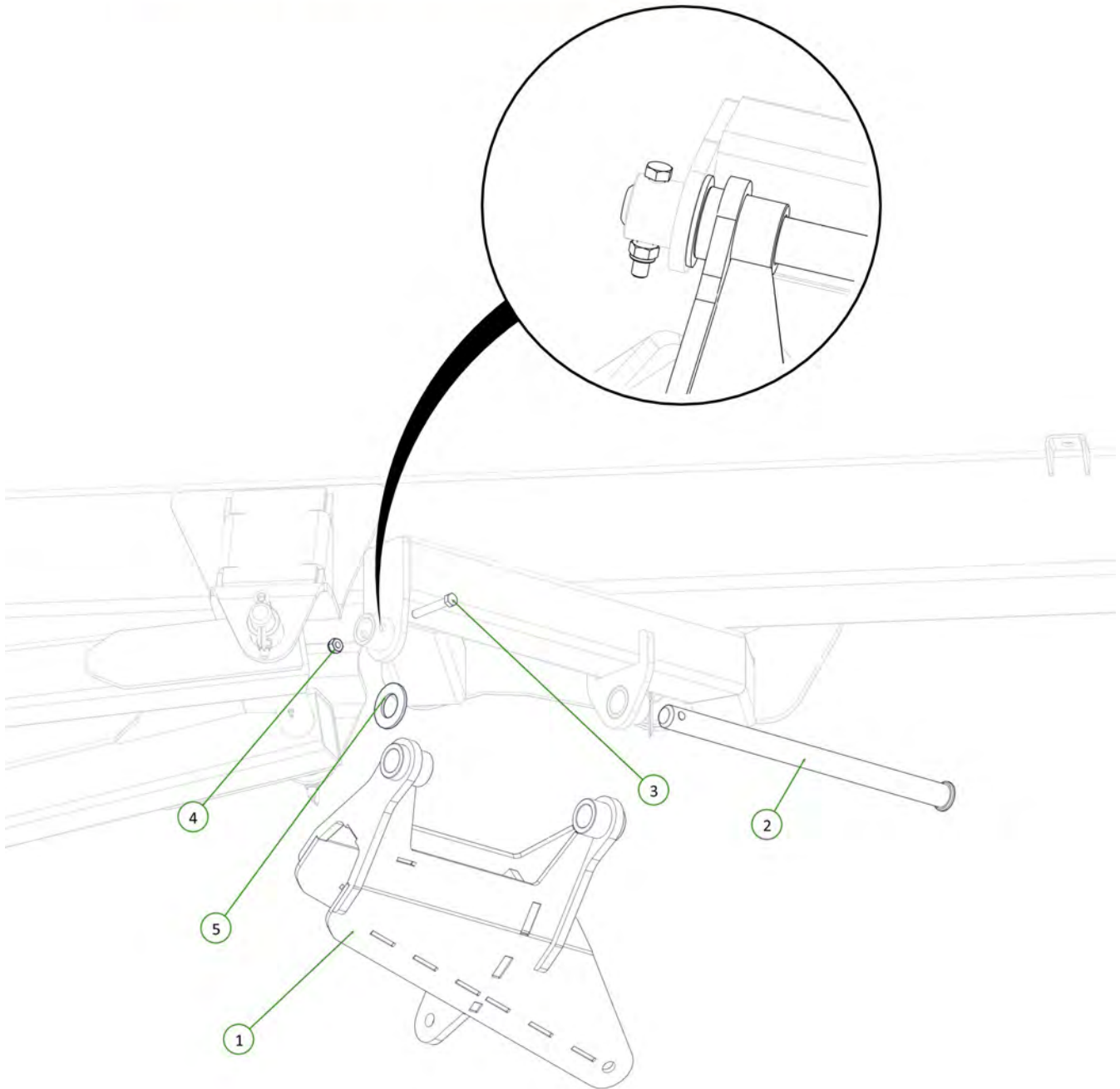
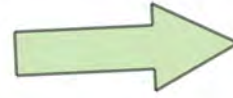
Item No.	Description	Number	Qty
1	Height Adjusting Chain Assembly 13 Link	0801-20MCA	1



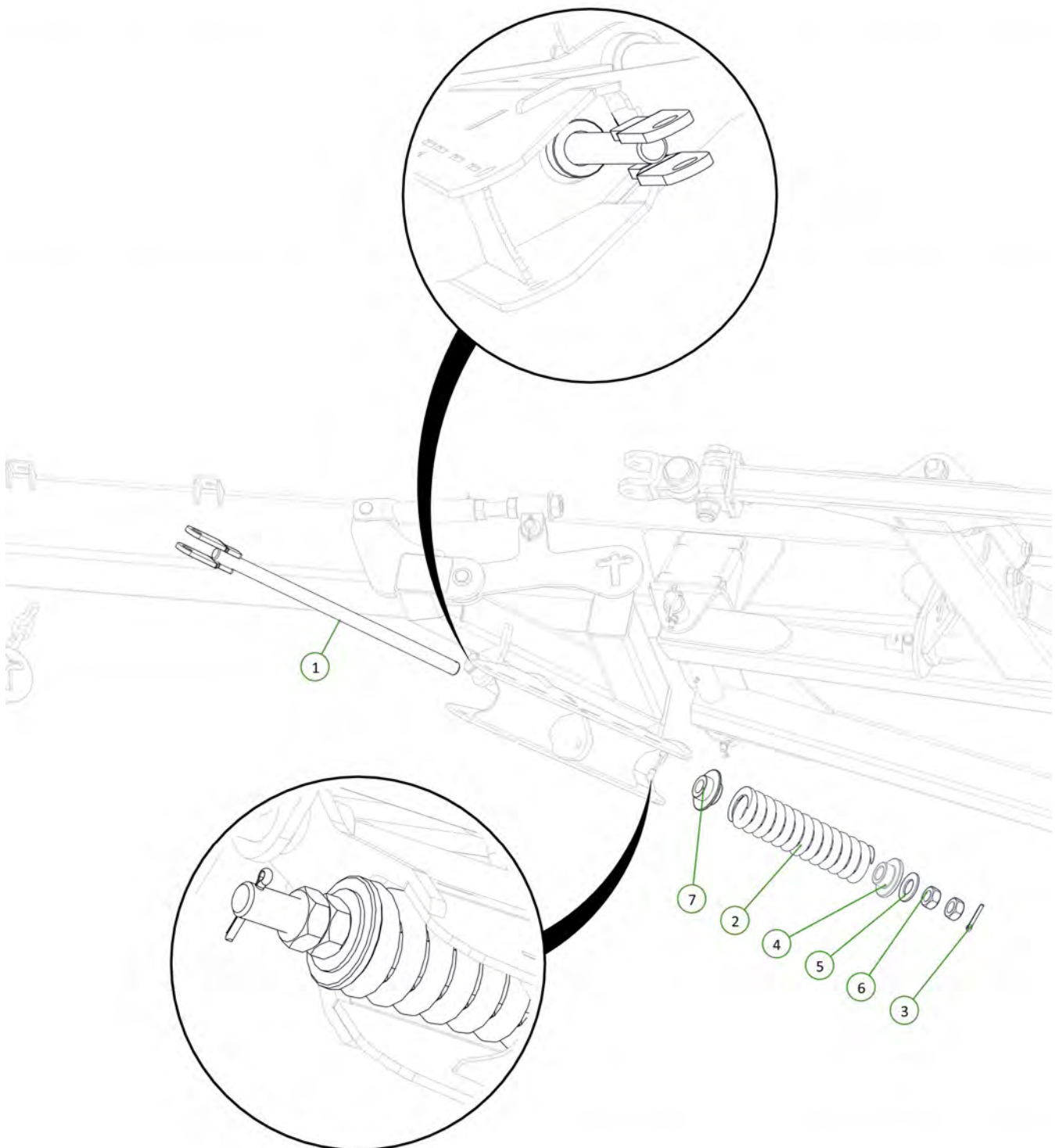
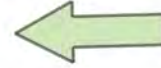
Item No.	Description	Number	Qty
1	Height Adjuster	0802-001E	1
2	Chain Height Adjustor Arm	1500-532E	1
3	Clevis Pin 25mm x 75mm	0801-KE0307-1	1
4	Cotter Pin M6 x 50mm	0261-PINC650	1
5	Washer Flat M24	0231-F24	2



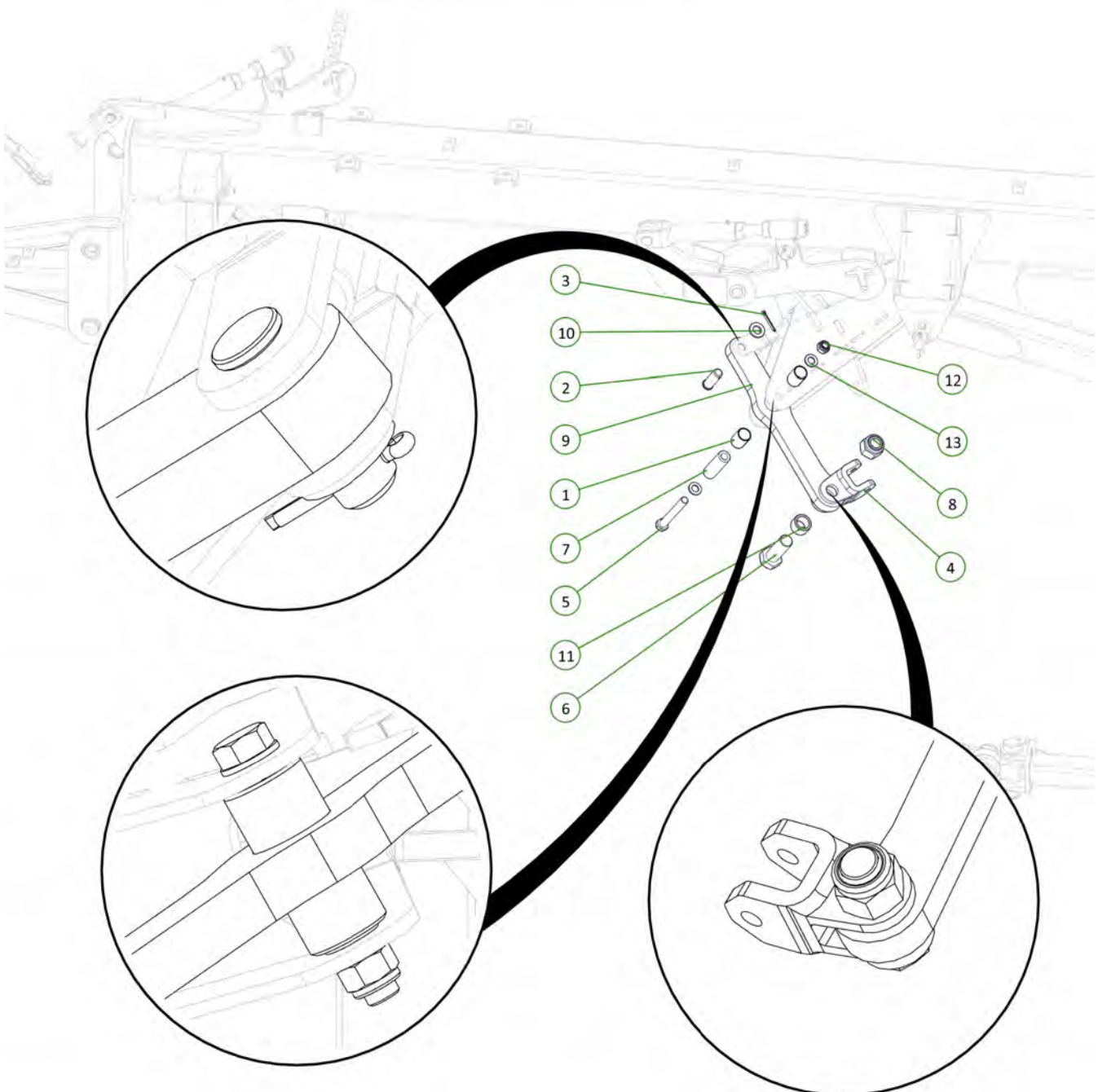
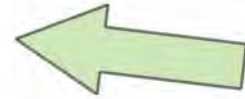
Item No.	Description	Number	Qty
1	Tension Box	0810-57	1
2	Chain Mount Pivot Pin	0801-10-51	1
3	M12 x 80 Class 8.8 ZP Bolt	0211-1280	1
4	Nyloc Nut M12	0221-NYL12	1
5	Washer High Tensile 1 3/8"	0232-HT13-8	1



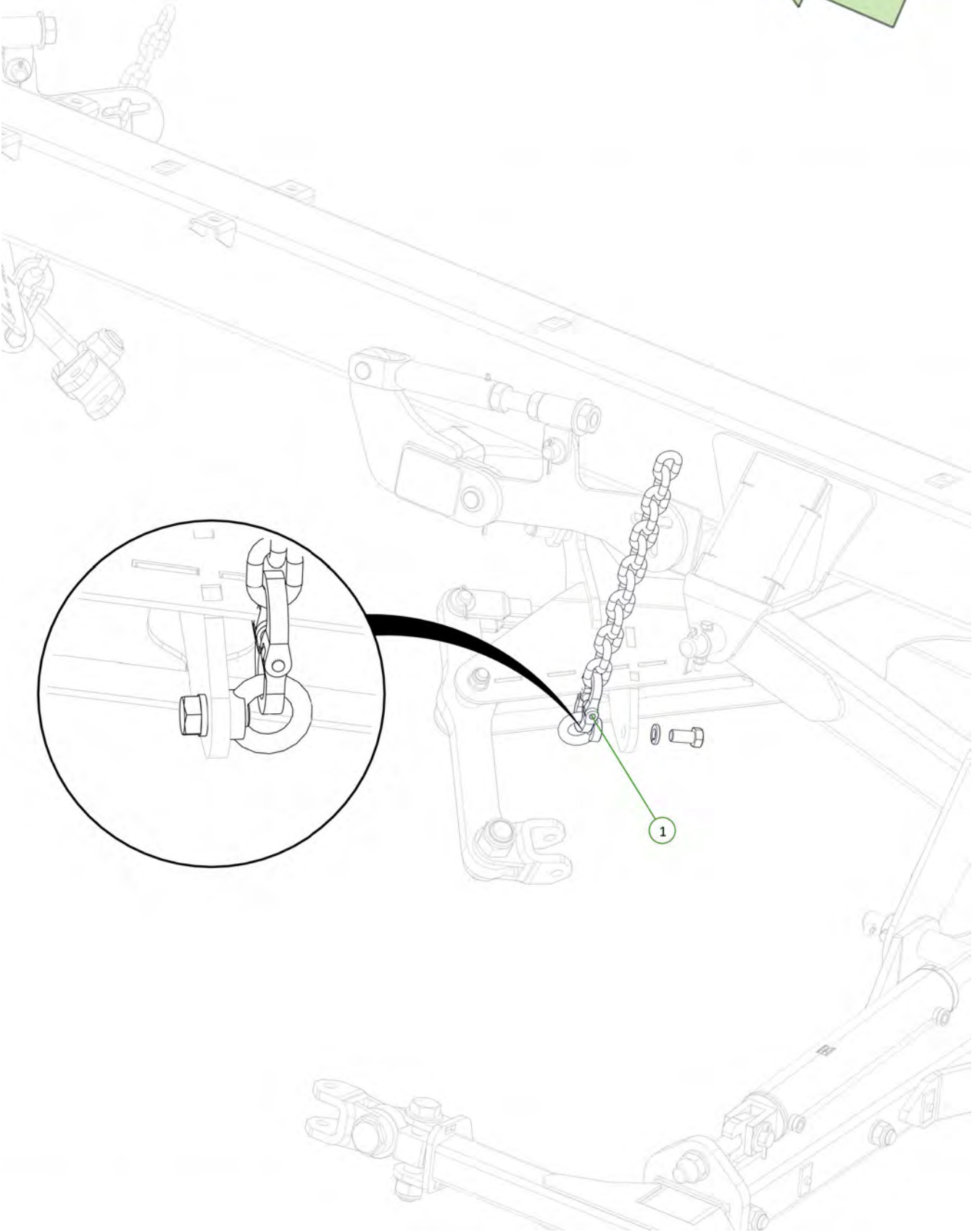
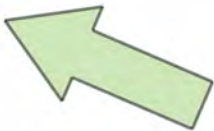
Item No.	Description	Number	Qty
1	Module Tension Linkage	0810-105E	1
2	20mm Compression Spring	0801-XK9261S	1
3	Cotter Pin M8 x 50mm	0261-PINC850	1
4	Steel Spring Retaining Bush	0801-PCHTA-SB	1
5	Washer High Tensile 1 3/8"	0232-HT13-8	1
6	Nut M30	0221-30	2
7	Rigid Spring Locator	0801-10-S2L	1



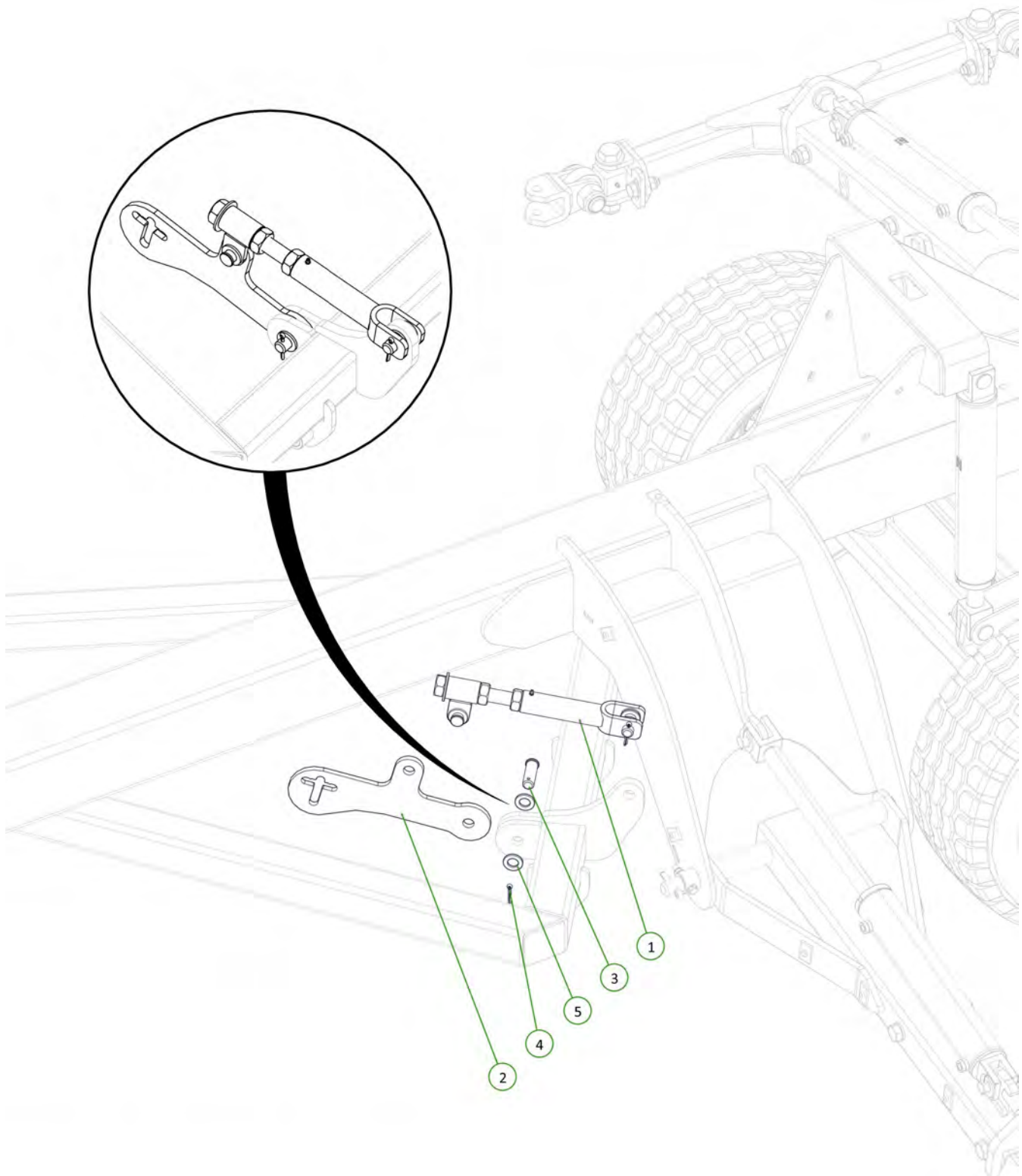
Item No.	Description	Number	Qty
1	35 ID x 50mm DU Bush	0113-MB3550DU	2
2	Clevis Pin 25mm x 75mm	0801-KE0307-1	1
3	Cotter Pin M6 x 50mm	0261-PINC650	1
4	Forged Clevis 21mm Bolt Hole	0801-FC21	1
5	M20 x 160 Class 8.8 ZP Bolt	0211-20160	1
6	M36 x 105 Class 8.8 ZP Bolt	0211-36105	1
7	Module Pivot Arm Bush	0801-10-110	1
8	Nyloc Nut M36	0221-NYL36	1
9	Tension Arm 4m Weld	0810-104-3.5E	1
10	Washer Flat M24	0231-F24	1
11	Wear Bush	1501-365033-SS	1
12	Nyloc Nut M20	0221-NYL20	1
13	Washer Flat M20	0231-F20	2



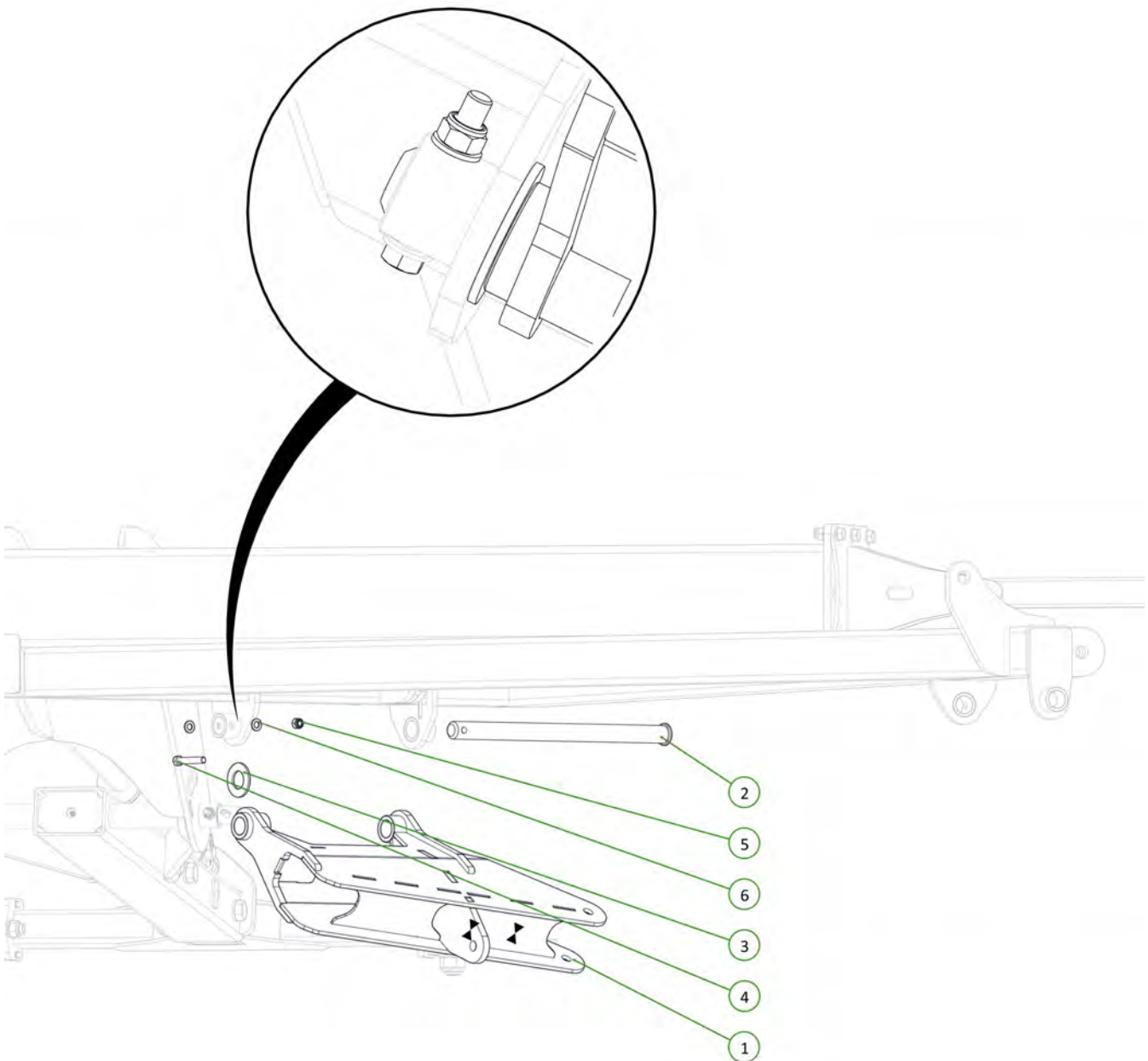
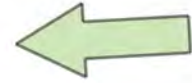
Item No.	Description	Number	Qty
1	Height Adjusting Chain Assembly 13 Link	0801-20MCA	1



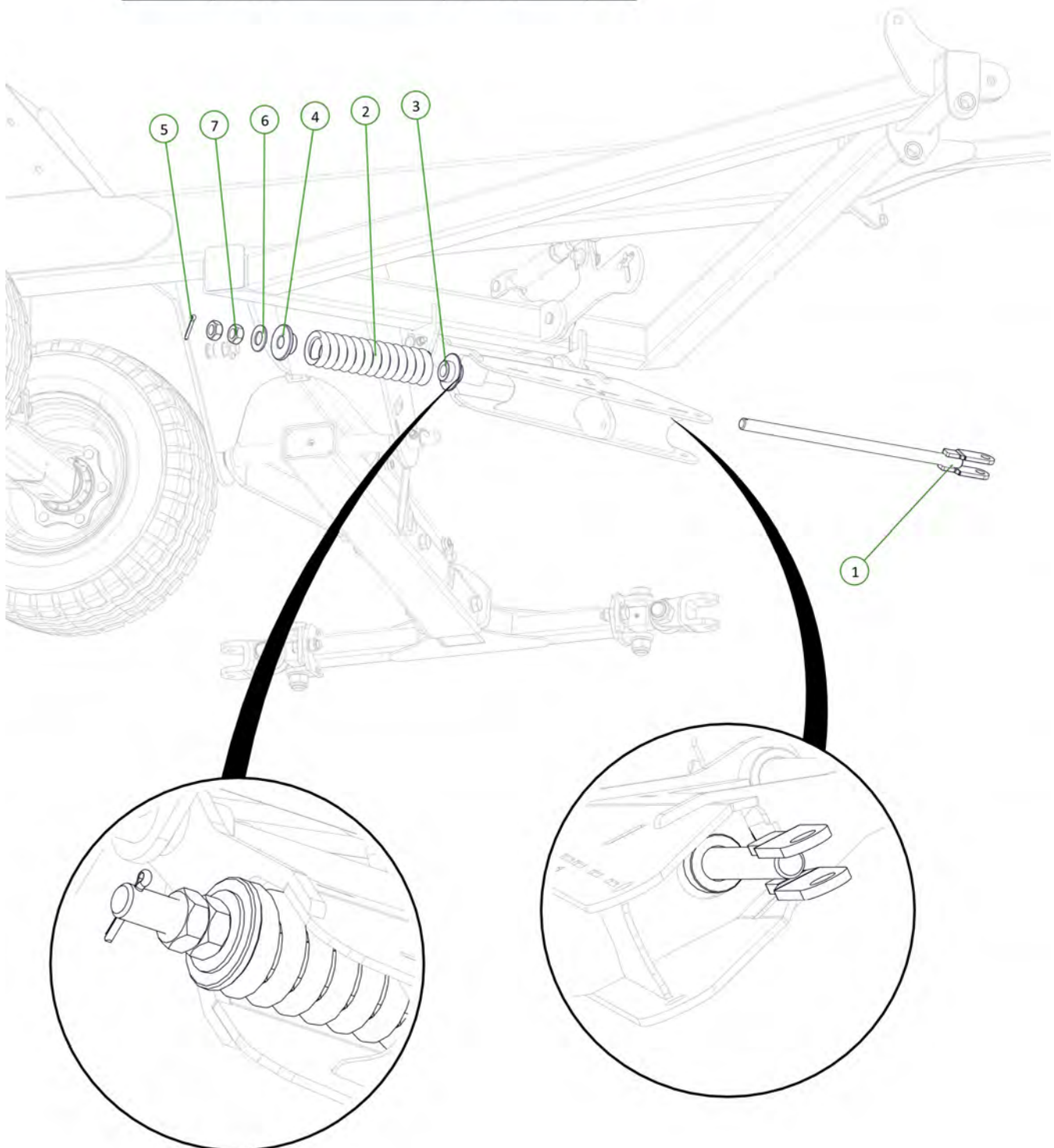
Item No.	Description	Number	Qty
1	Height Adjuster	0802-001E	1
2	Chain Height Adjustor Arm	1500-532E	1
3	Clevis Pin 25mm x 75mm	0801-KE0307-1	1
4	Cotter Pin M6 x 50mm	0261-PINC650	1
5	Washer Flat M24	0231-F24	1



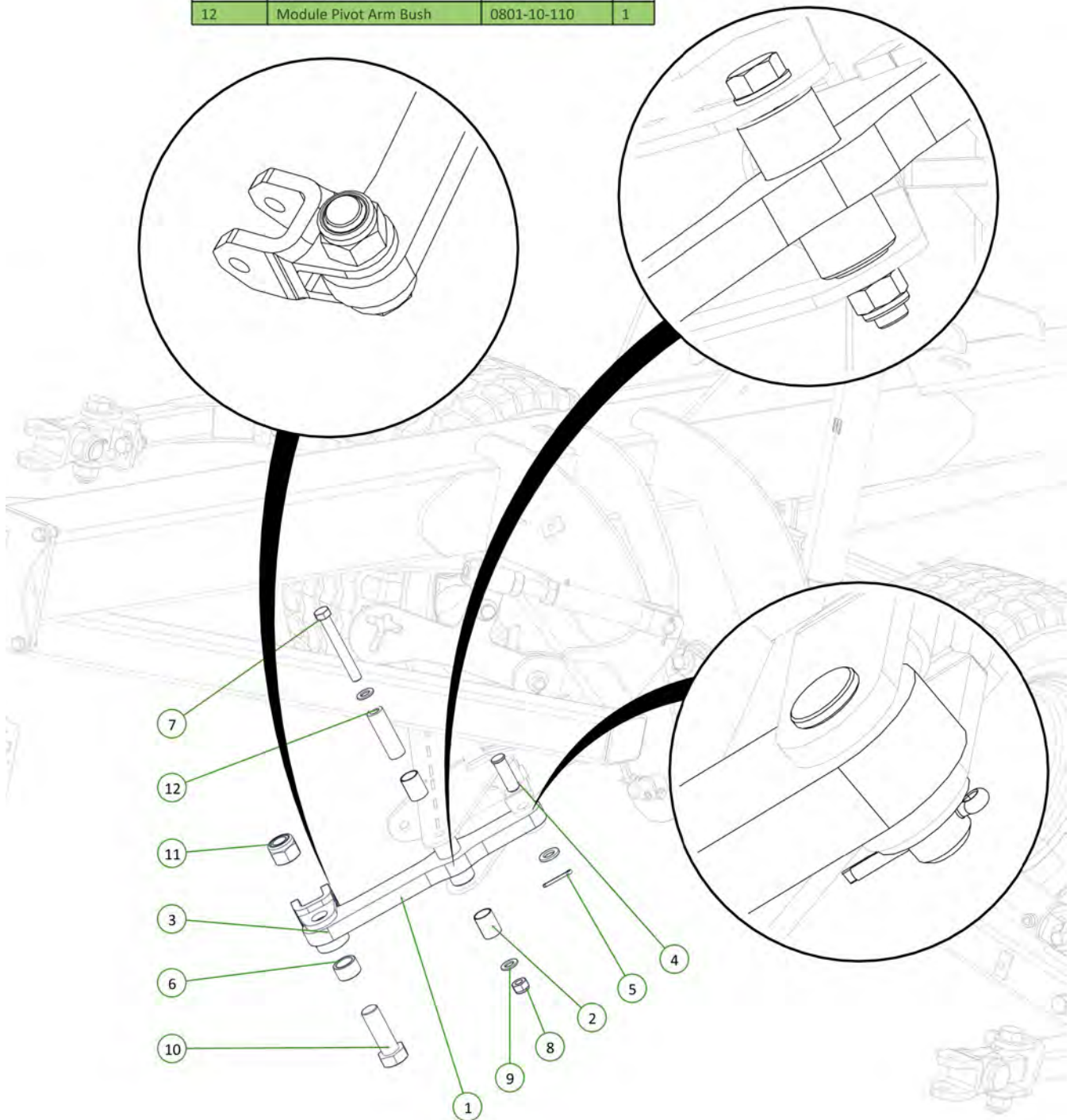
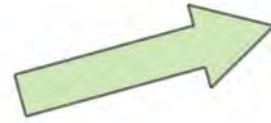
Item No.	Description	Number	Qty
1	Tension Box	0810-57	1
2	Chain Mount Pivot Pin	0801-10-51	1
3	Washer High Tensile 1 3/8"	0232-HT13-8	1
4	M12 x 80 Class 8.8 ZP Bolt	0211-1280	1
5	Nyloc Nut M12	0221-NYL12	1
6	Washer Flat M12	0231-F12	2



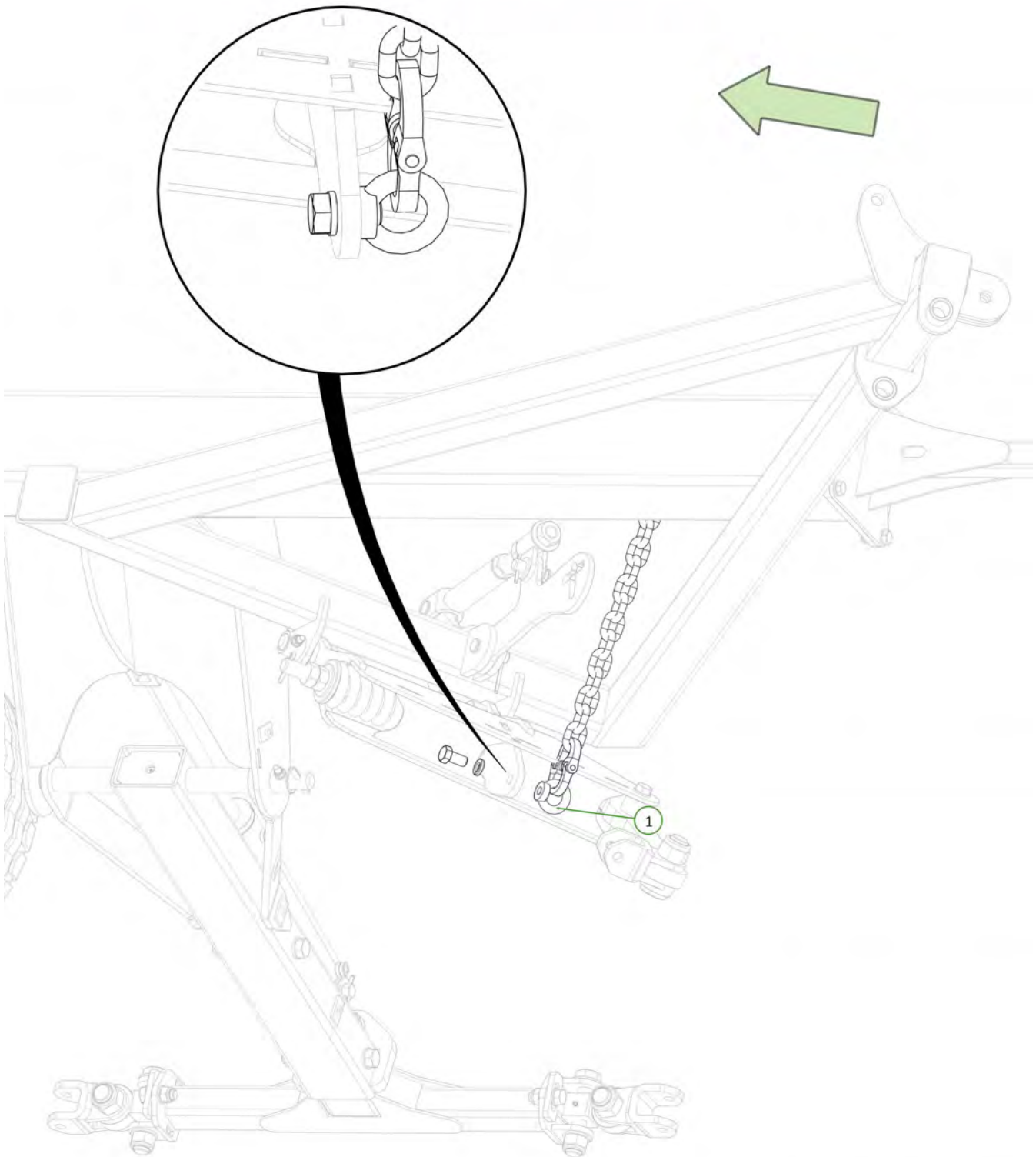
Item No.	Description	Number	Qty
1	Module Tension Linkage	0810-105E	1
2	20mm Compression Spring	0801-XK9261S	1
3	Rigid Spring Locator	0801-10-S2L	1
4	Steel Spring Retaining Bush	0801-PCHTA-SB	1
5	Cotter Pin M8 x 50mm	0261-PINC850	1
6	Washer High Tensile 1 3/8"	0232-HT13-8	1
7	Nut M30	0221-30	2



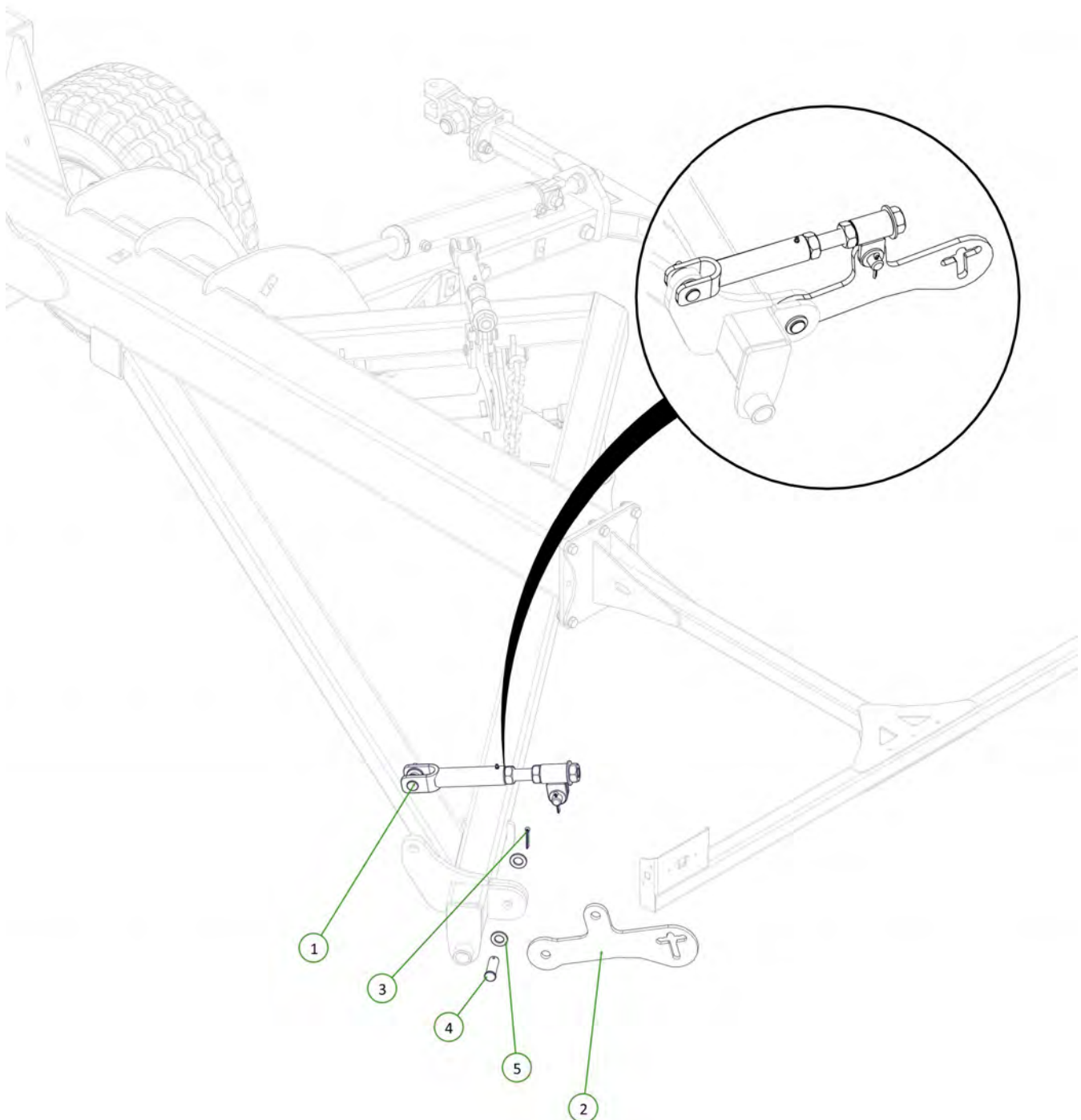
Item No.	Description	Number	Qty
1	Tension Arm 4m Weld	0810-104-3.5E	1
2	35 ID x 50mm DU Bush	0113-MB3550DU	2
3	Forged Clevis 21mm Bolt Hole	0801-FC21	1
4	Clevis Pin 25mm x 75mm	0801-KE0307-1	1
5	Cotter Pin M6 x 50mm	0261-PINC650	1
6	Wear Bush	1501-365033-SS	1
7	M20 x 160 Class 8.8 ZP Bolt	0211-20160	1
8	Nyloc Nut M20	0221-NYL20	1
9	Washer Flat M20	0231-F20	2
10	M36 x 105 Class 8.8 ZP Bolt	0211-36105	1
11	Nyloc Nut M36	0221-NYL36	1
12	Module Pivot Arm Bush	0801-10-110	1



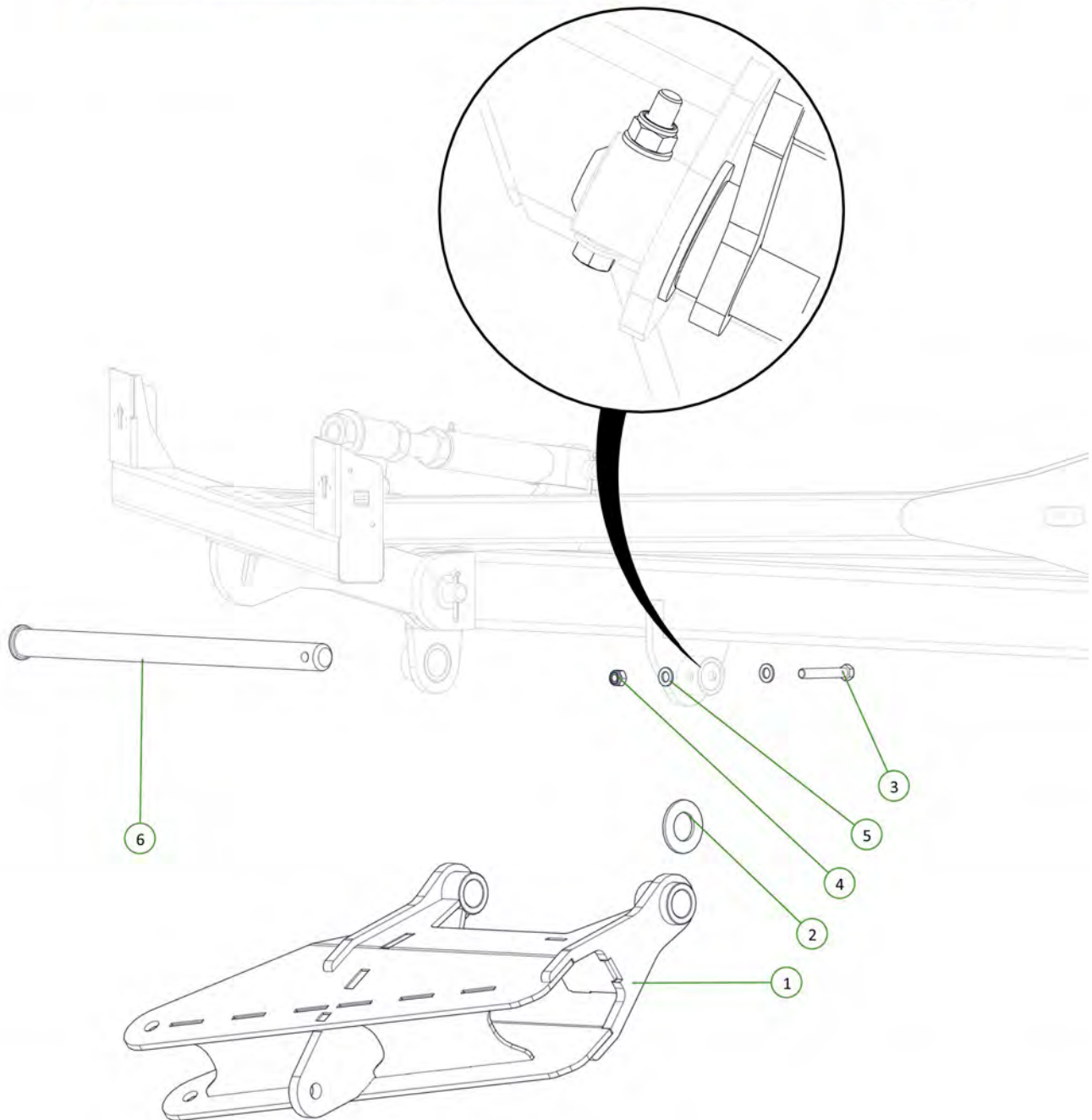
Item No.	Description	Number	Qty
1	Height Adjusting Chain Assembly 13 Link	0801-20MCA	1



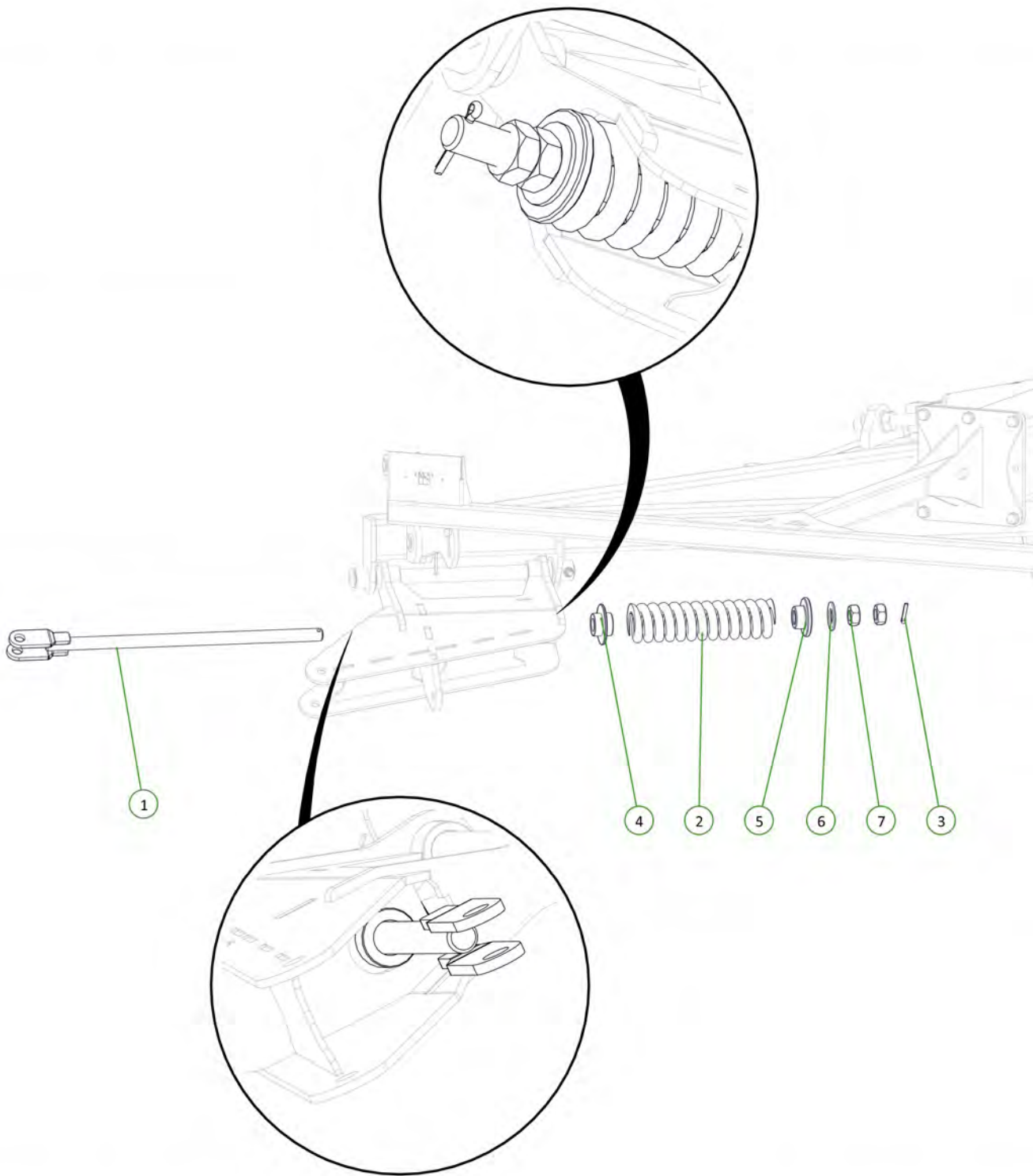
Item No.	Description	Number	Qty
1	Height Adjuster	0802-001E	1
2	Chain Height Adjustor Arm	1500-532E	1
3	Cotter Pin M6 x 50mm	0261-PINC650	1
4	Clevis Pin 25mm x 75mm	0801-KE0307-1	1
5	Washer Flat M24	0231-F24	2



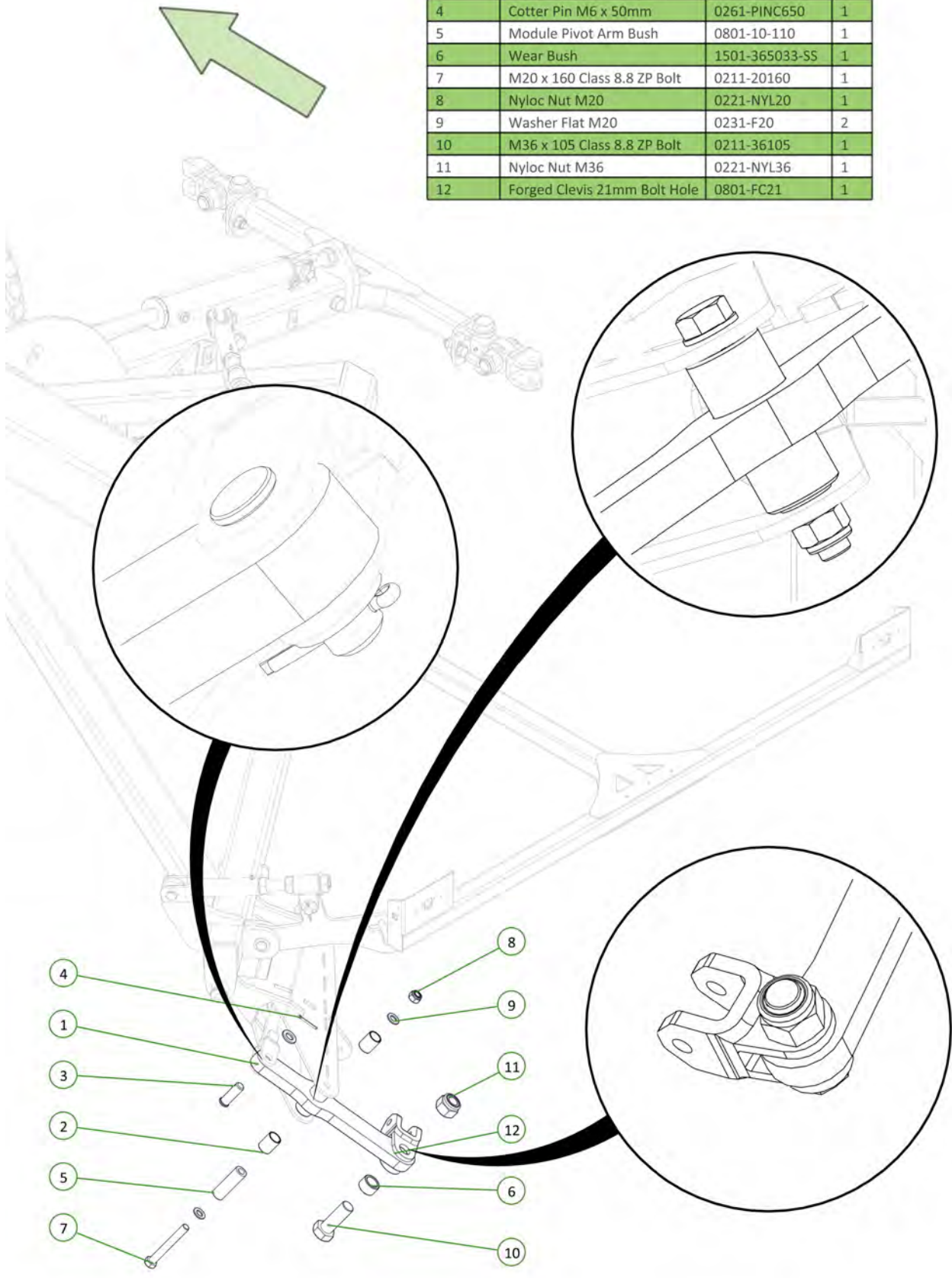
Item No.	Description	Number	Qty
1	Tension Box	0810-57	1
2	Washer High Tensile 1 3/8"	0232-HT13-8	1
3	M12 x 80 Class 8.8 ZP Bolt	0211-1280	1
4	Nyloc Nut M12	0221-NYL12	1
5	Washer Flat M12	0231-F12	2
6	Chain Mount Pivot Pin	0801-10-51	1



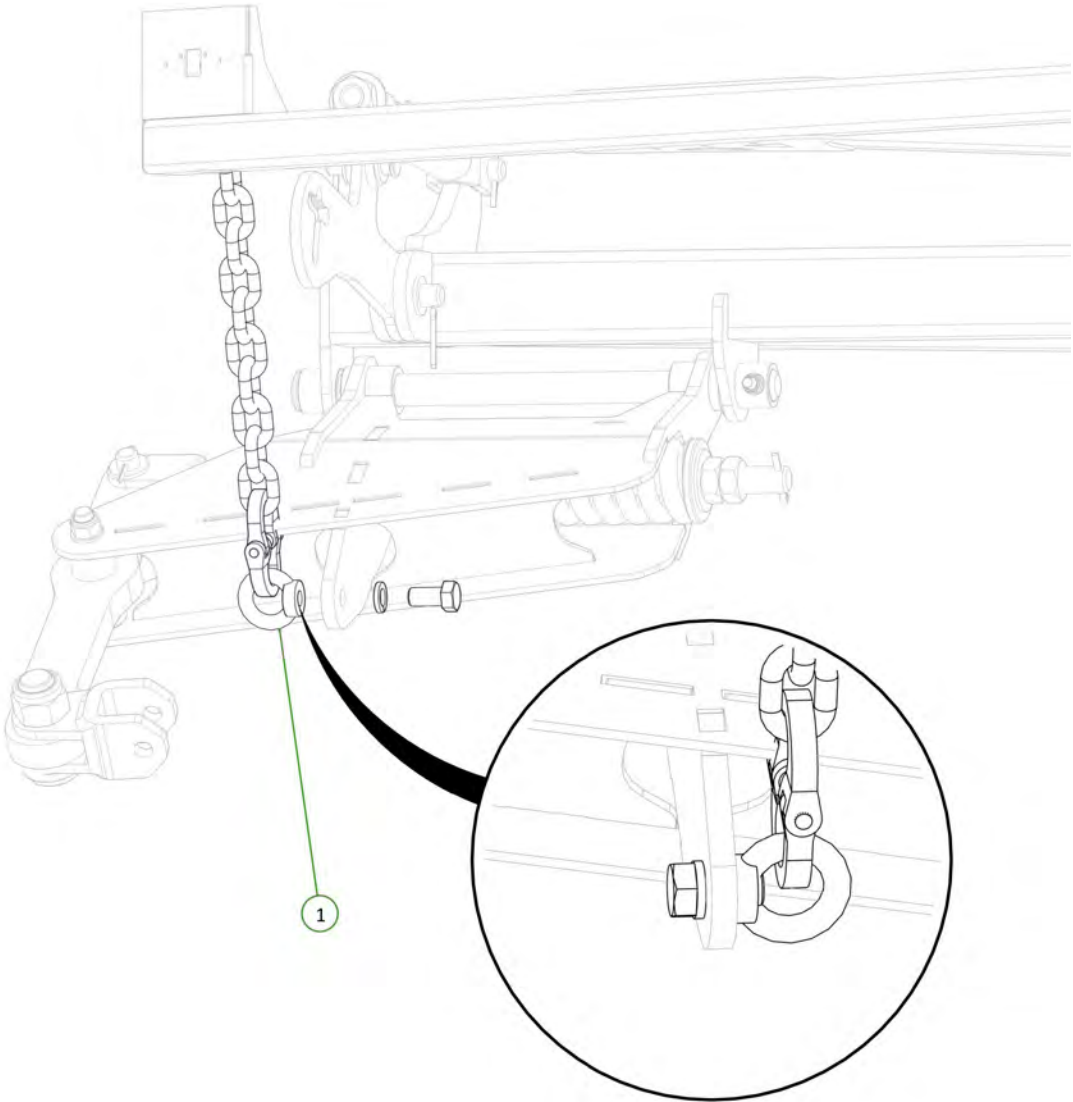
Item No.	Description	Number	Qty
1	Module Tension Linkage	0810-105E	1
2	20mm Compression Spring	0801-XK9261S	1
3	Cotter Pin M8 x 50mm	0261-PINC850	1
4	Rigid Spring Locator	0801-10-S2L	1
5	Steel Spring Retaining Bush	0801-PCHTA-SB	1
6	Washer High Tensile 1 3/8"	0232-HT13-8	1
7	Nut M30	0221-30	2



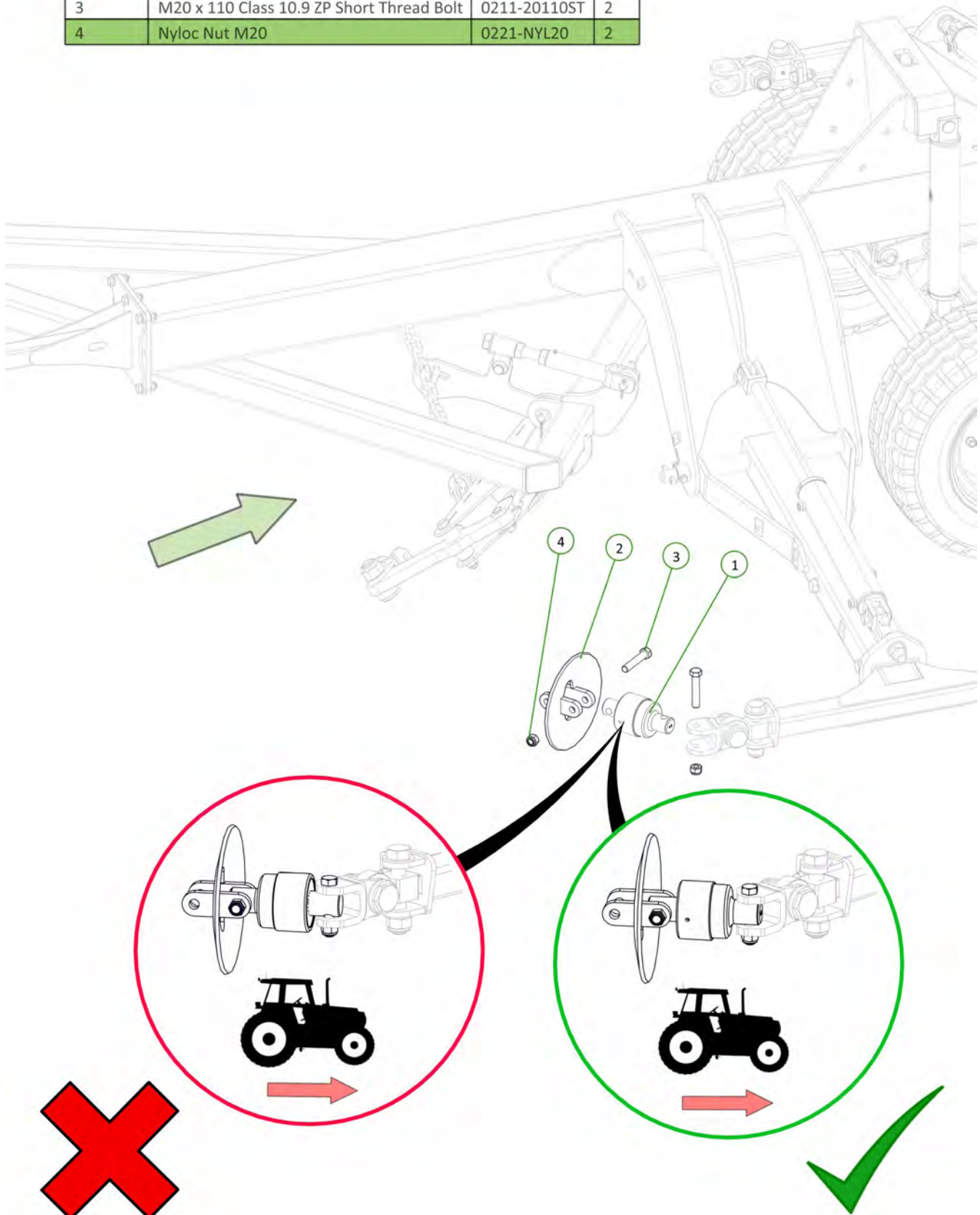
Item No.	Description	Number	Qty
1	Tension Arm 4m Weld	0810-104-3.5E	1
2	35 ID x 50mm DU Bush	0113-MB3550DU	2
3	Clevis Pin 25mm x 75mm	0801-KE0307-1	1
4	Cotter Pin M6 x 50mm	0261-PINC650	1
5	Module Pivot Arm Bush	0801-10-110	1
6	Wear Bush	1501-365033-SS	1
7	M20 x 160 Class 8.8 ZP Bolt	0211-20160	1
8	Nyloc Nut M20	0221-NYL20	1
9	Washer Flat M20	0231-F20	2
10	M36 x 105 Class 8.8 ZP Bolt	0211-36105	1
11	Nyloc Nut M36	0221-NYL36	1
12	Forged Clevis 21mm Bolt Hole	0801-FC21	1

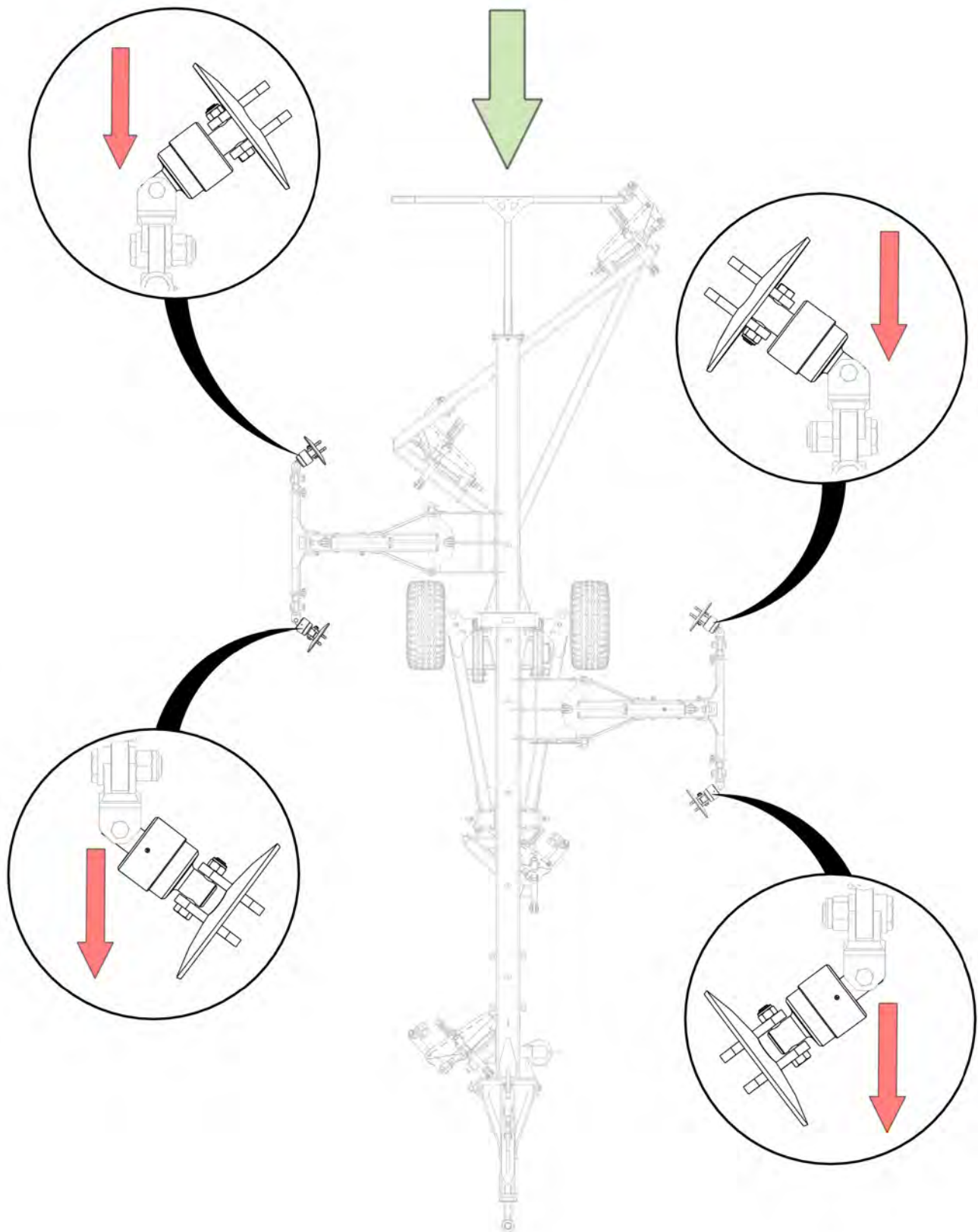


Item No.	Description	Number	Qty
1	Height Adjusting Chain Assembly 13 Link	0801-20MCA	1

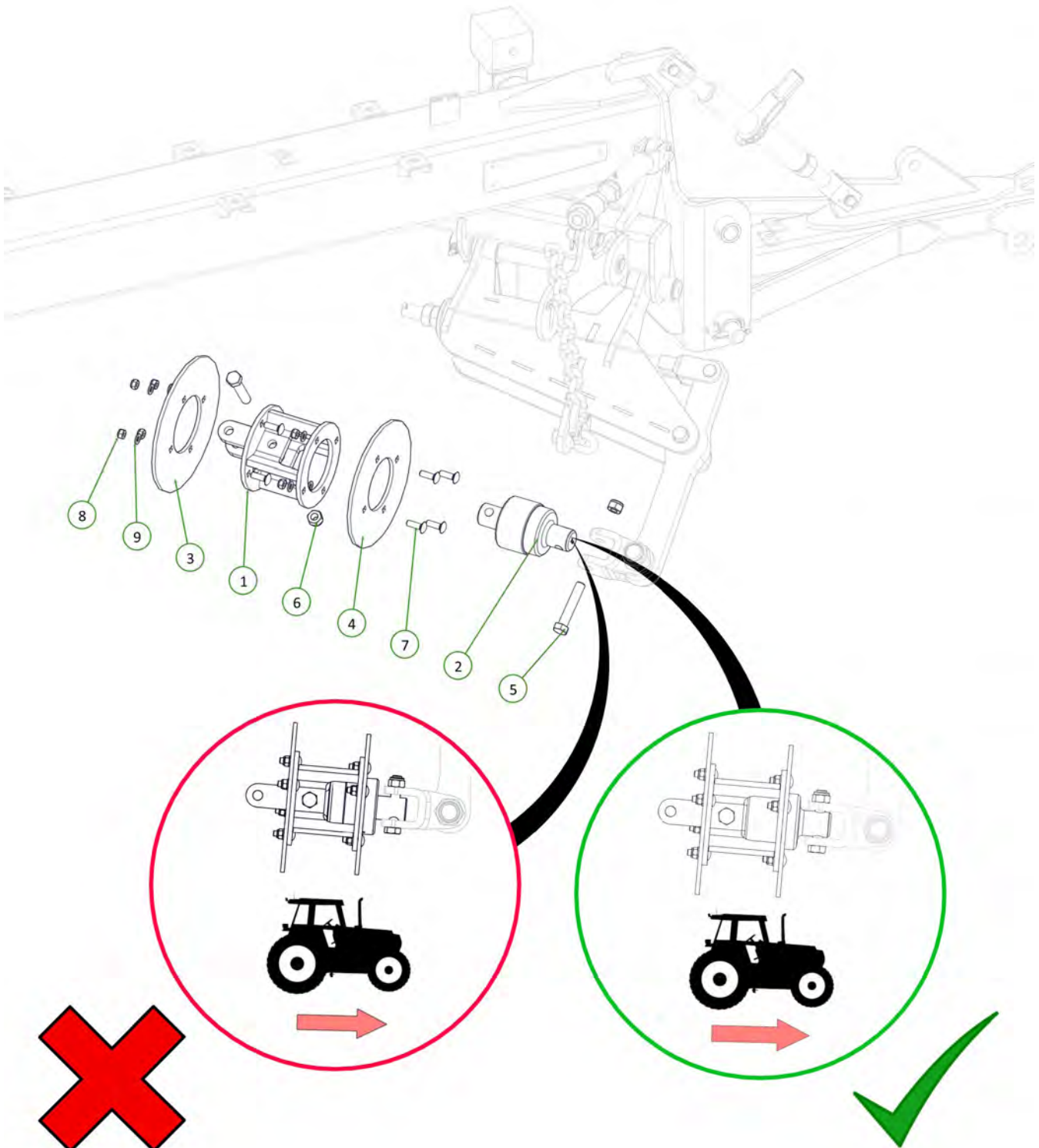
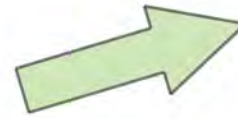


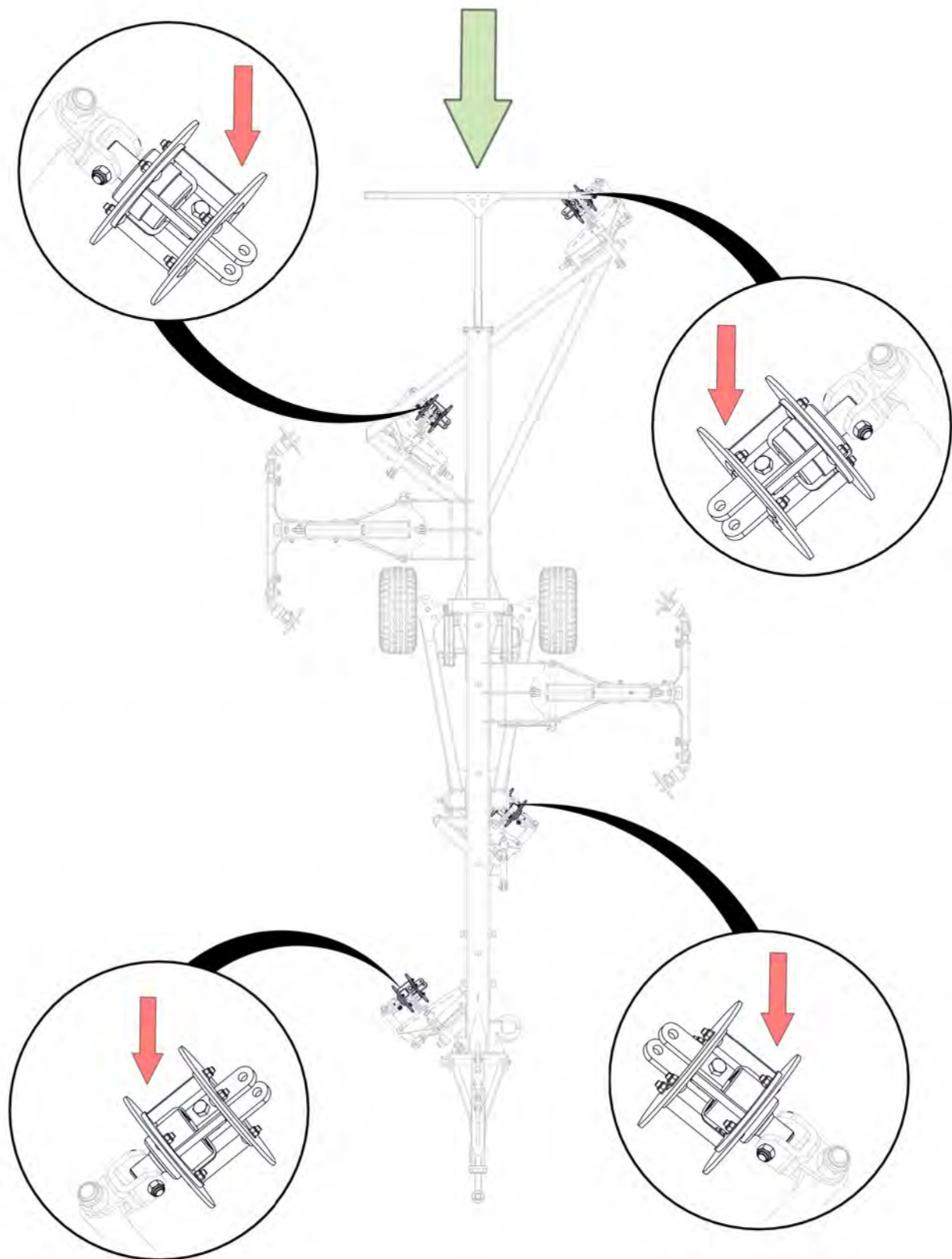
Item No.	Description	Number	Qty
1	20mm Bolt Swivel Unit	0802-PCHB55	1
2	Tie Plate Disc 20mm	0802-DCTP-20	1
3	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST	2
4	Nyloc Nut M20	0221-NYL20	2



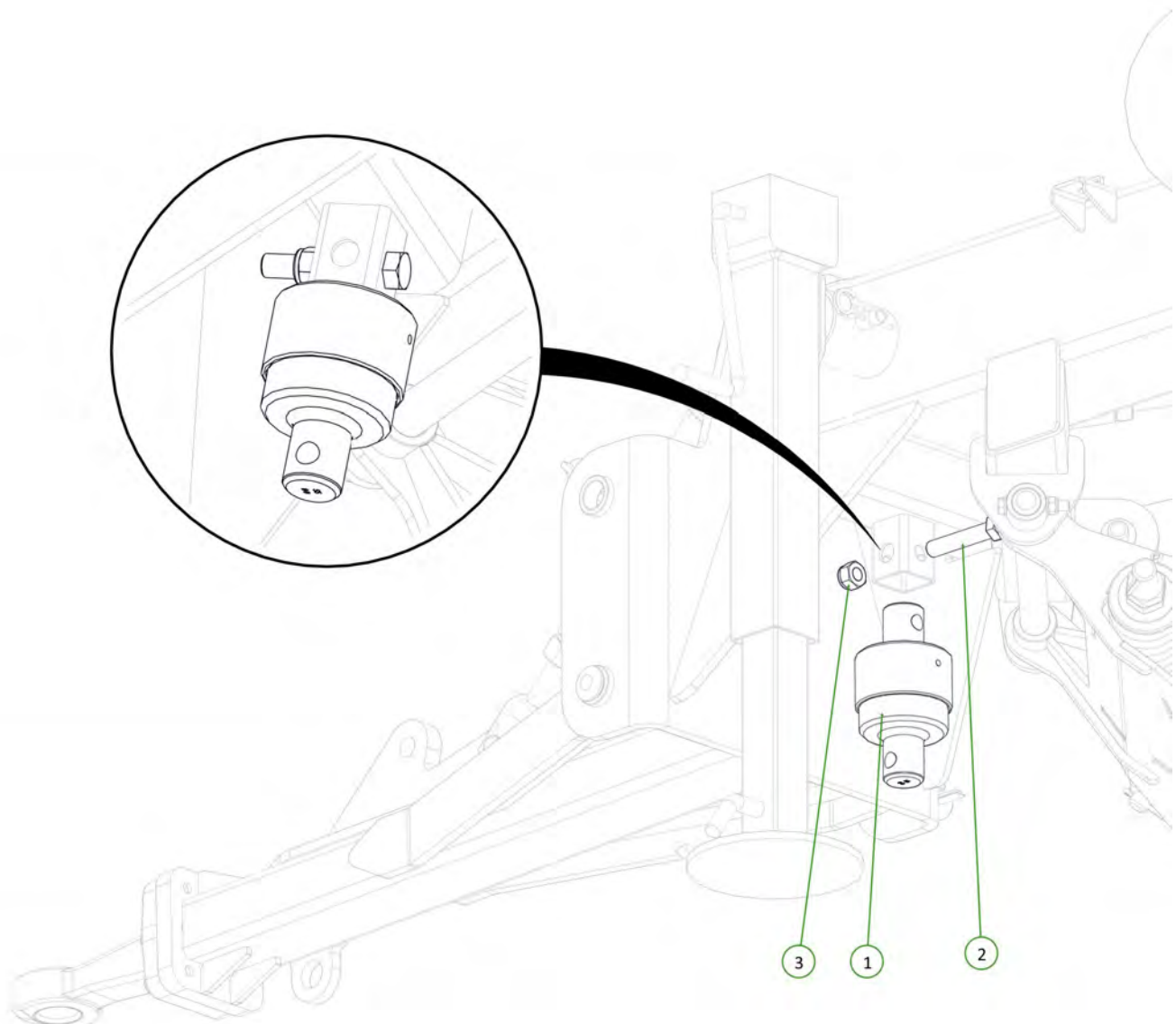
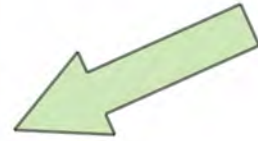


Item No.	Description	Number	Qty
1	Tapered Chain End Hub	0810-45-5	1
2	20mm Bolt Swivel Unit	0802-PCHB55	1
3	TCE Blade Large	0800-767	1
4	TCE Blade Small	0800-766	1
5	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST	2
6	Nyloc Nut M20	0221-NYL20	2
7	M12 x 40 Coach Head Bolt	0215-CH1240	8
8	Nyloc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

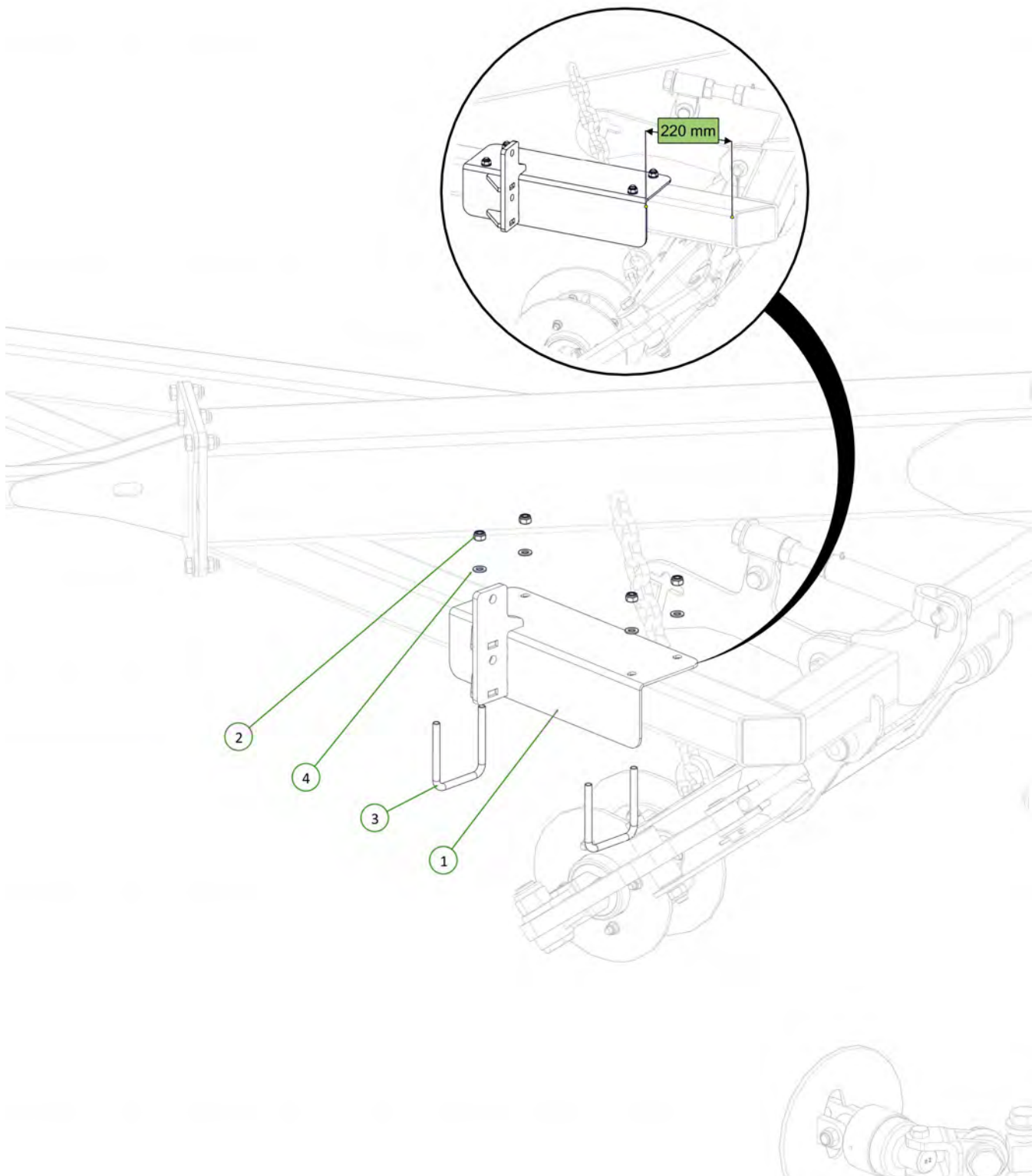
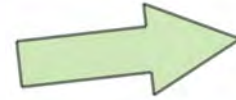




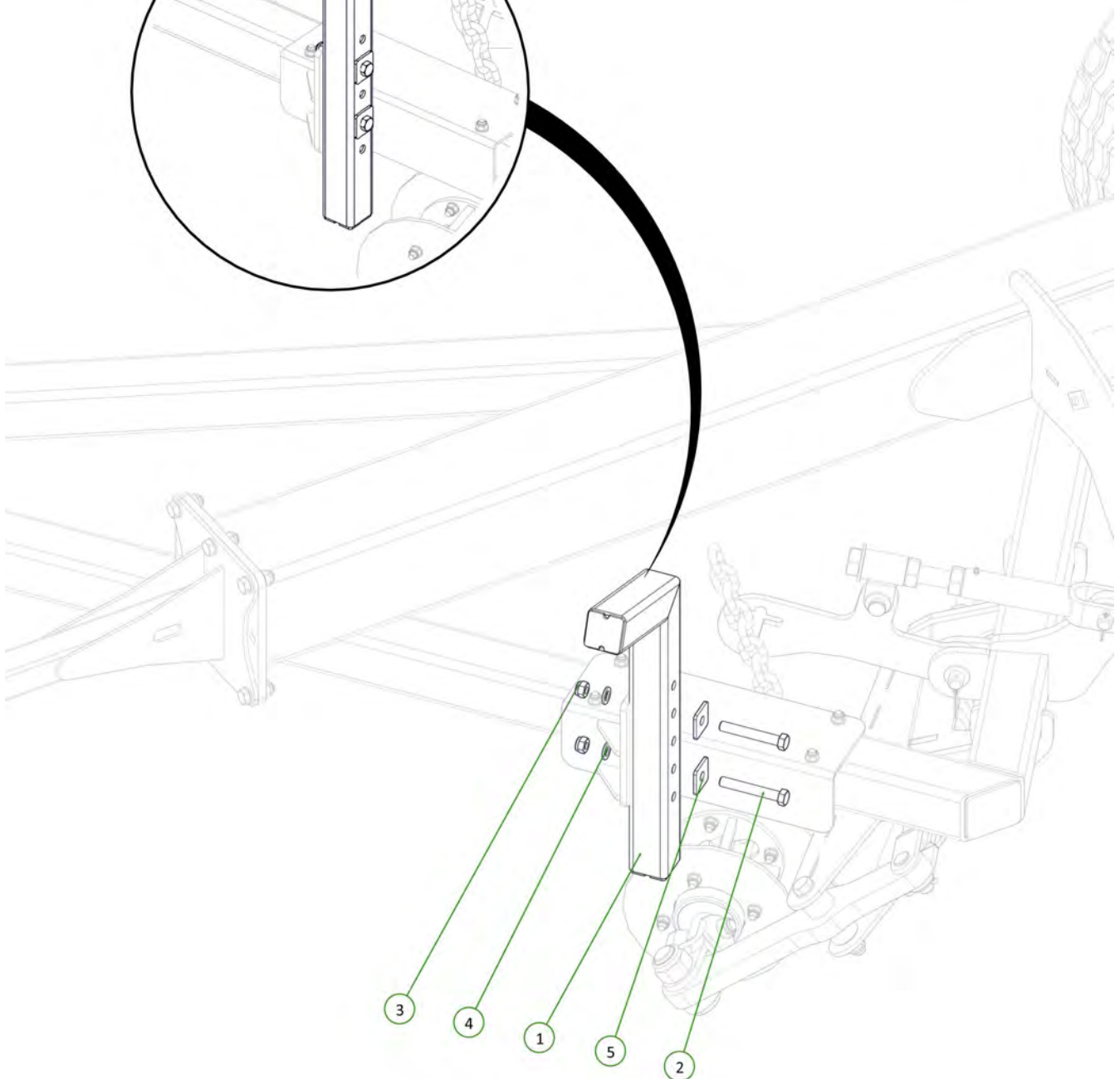
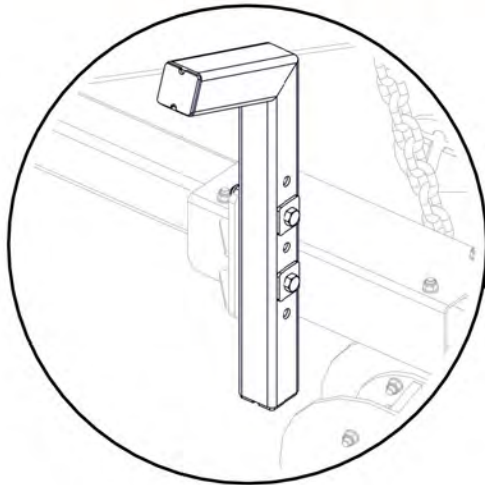
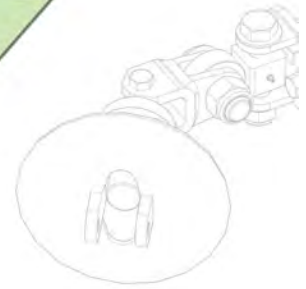
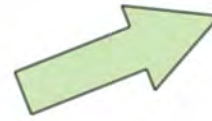
Item No.	Description	Number	Qty
1	20mm Bolt Swivel Unit	0802-PCHB55	1
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST	1
3	Nyloc Nut M20	0221-NYL20	1



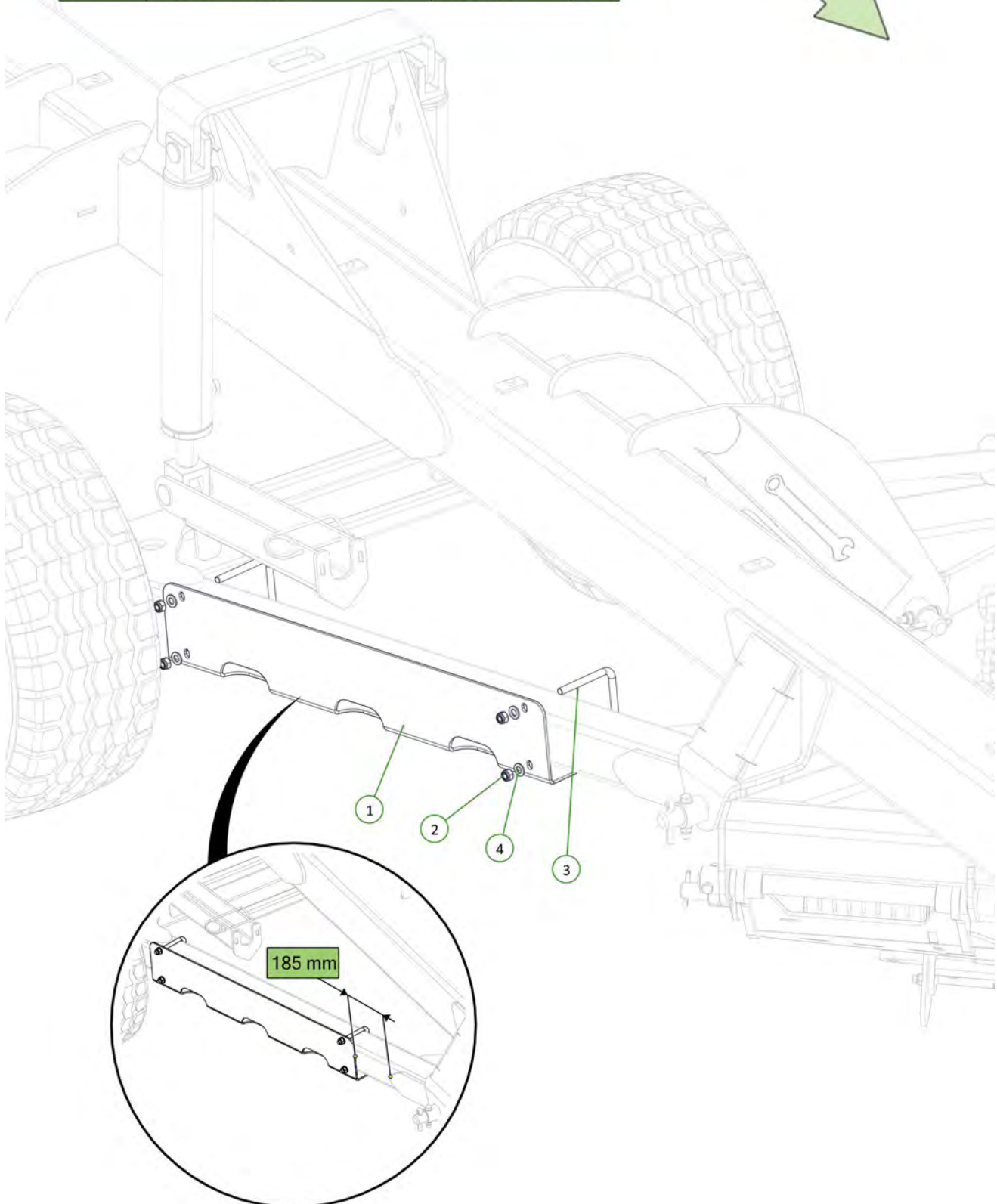
Item No.	Description	Number	Qty
1	Guard	1510-65E	1
2	Nyloc Nut M12	0221-NYL12	4
3	U-Bolt M12 x 125 Deep x 102 Wide	0271-12125102	2
4	Washer Flat M12	0231-F12	4



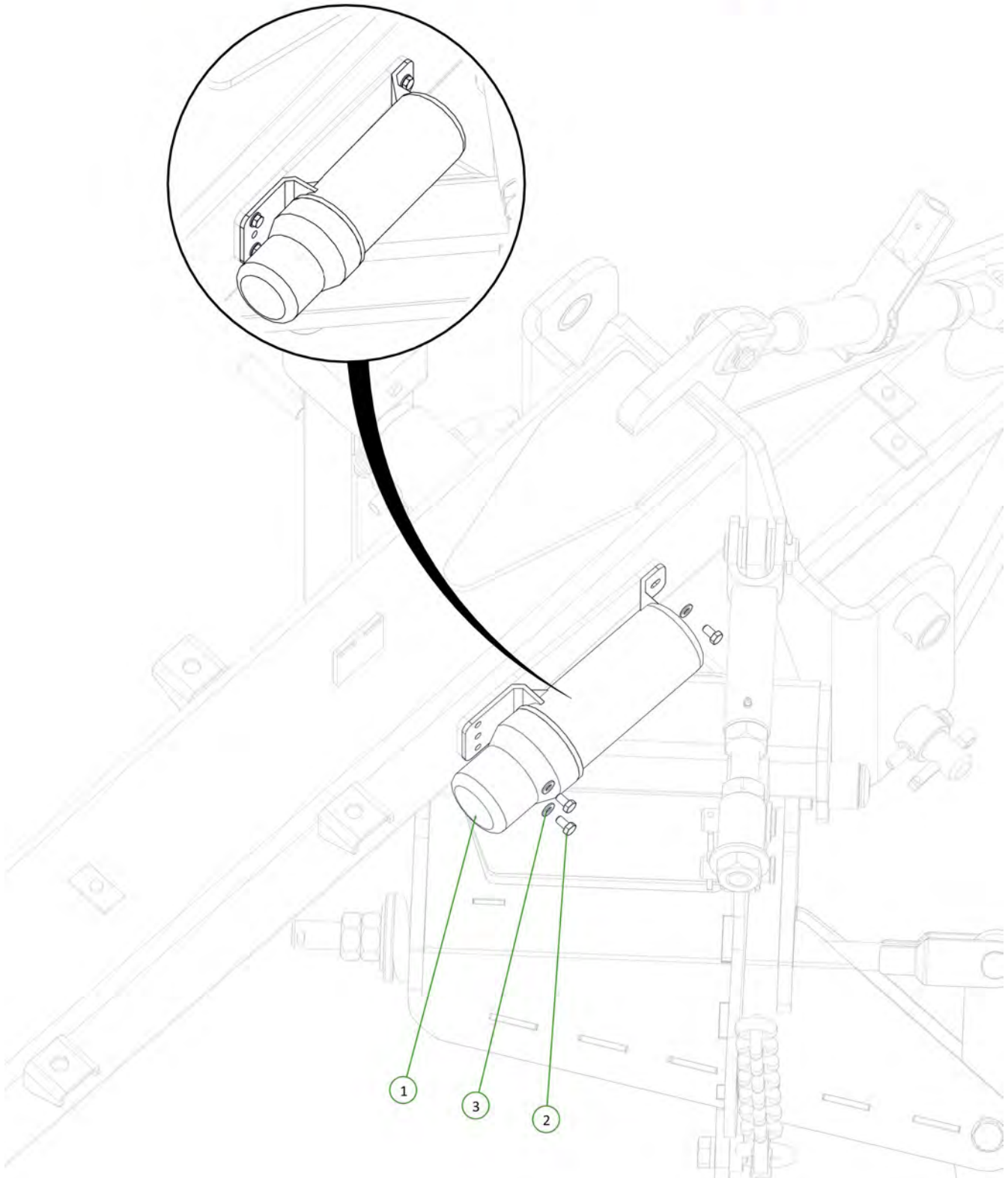
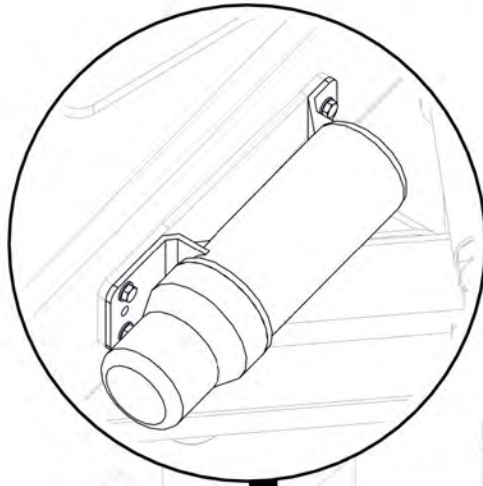
Item No.	Description	Number	Qty
1	Outrigger	1510-62E	1
2	M16 x 110 Class 8.8 ZP Bolt	0211-16110	2
3	Nyloc Nut M16	0221-NYL16	2
4	Washer Flat M16	0231-F16	2
5	Washer Square M16 x 50 x 5	0231-SQ16505	2



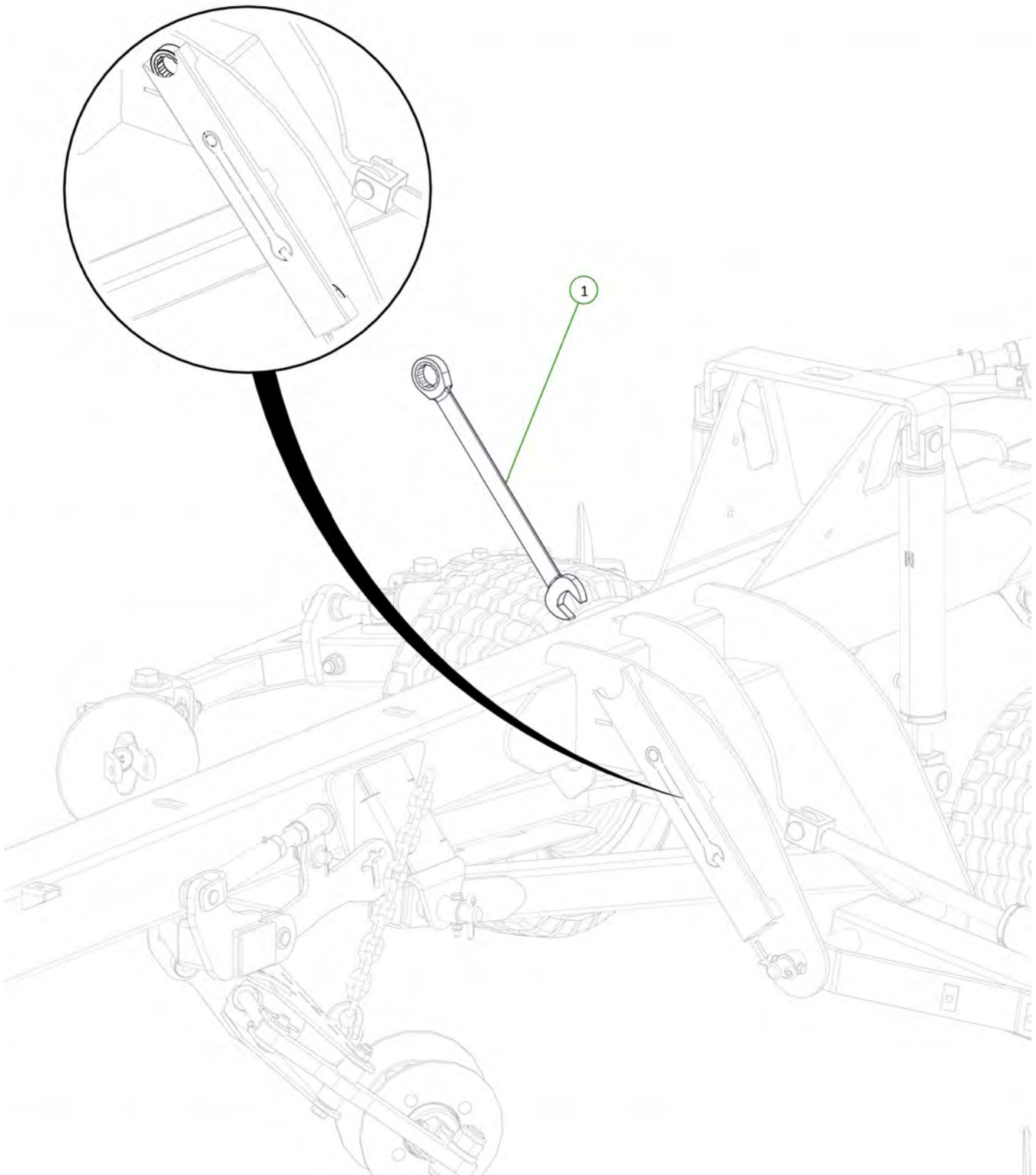
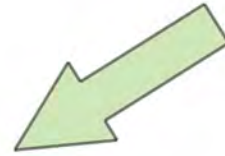
Item No.	Description	Number	Qty
1	Guard	1500-566E	1
2	Nyloc Nut M12	0221-NYL12	4
3	U-Bolt M12 x 125 Deep x 102 Wide	0271-12125102	2
4	Washer Flat M12	0231-F12	4



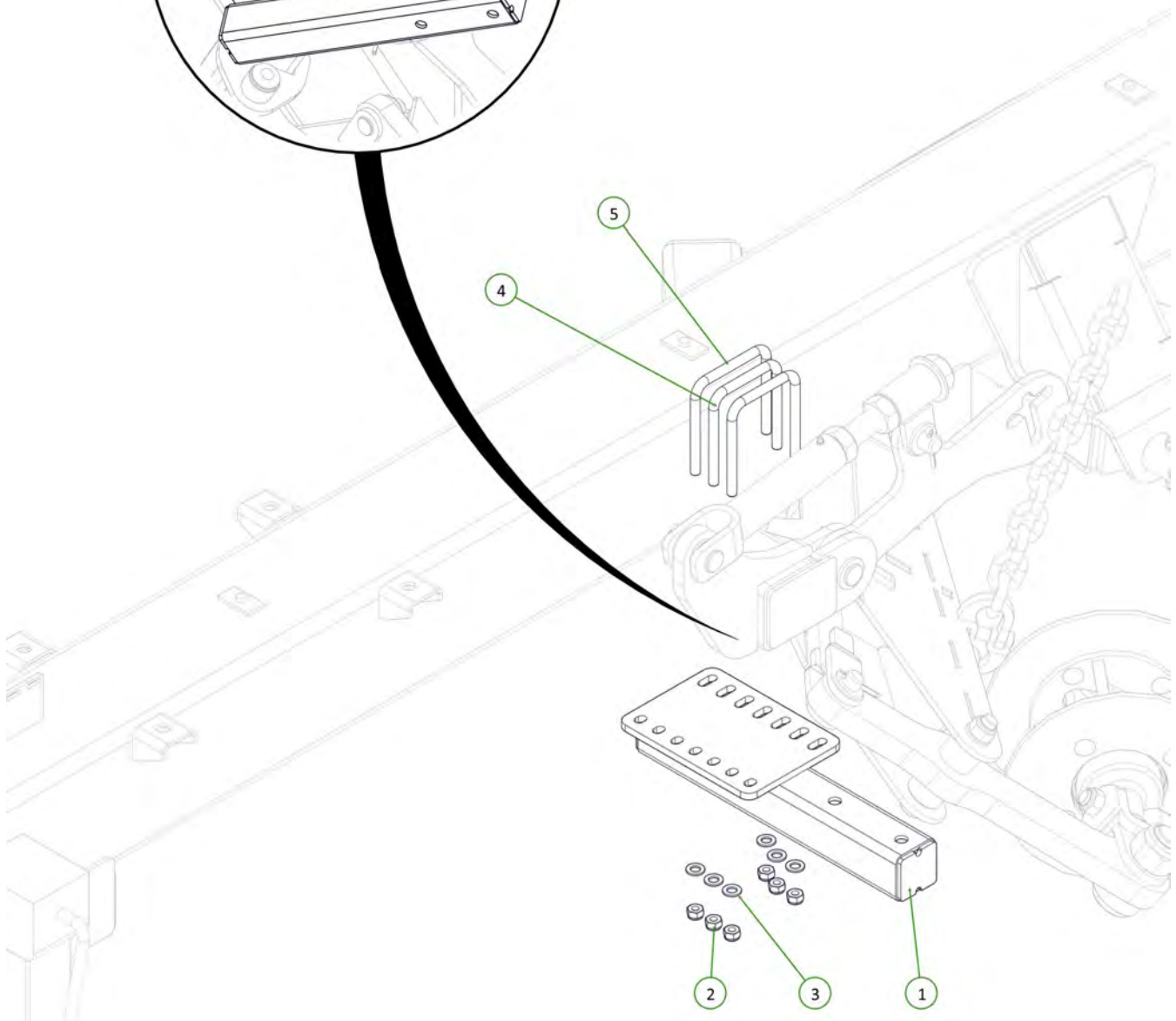
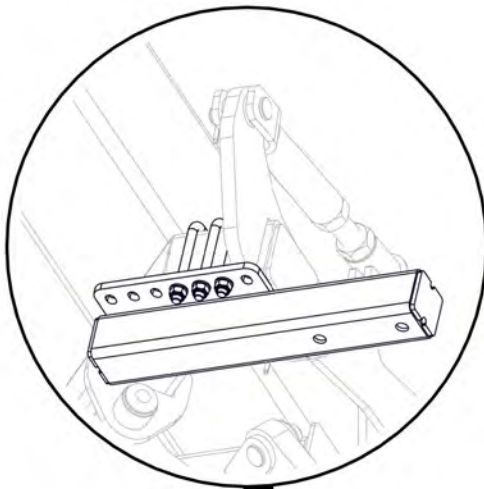
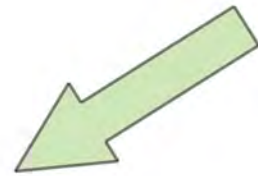
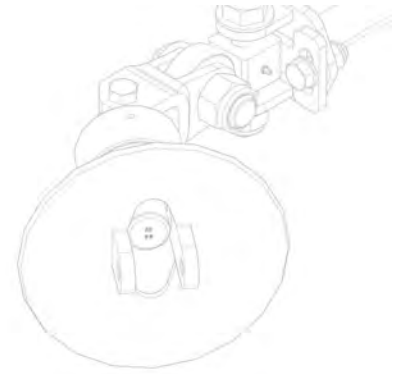
Item No.	Description	Number	Qty
1	Operator Manual Cannister	0801-OMC-1	1
2	M8 x 15 Class 8.8 ZP Bolt	0211-815	3
3	Washer Flat M8	0231-F8	3



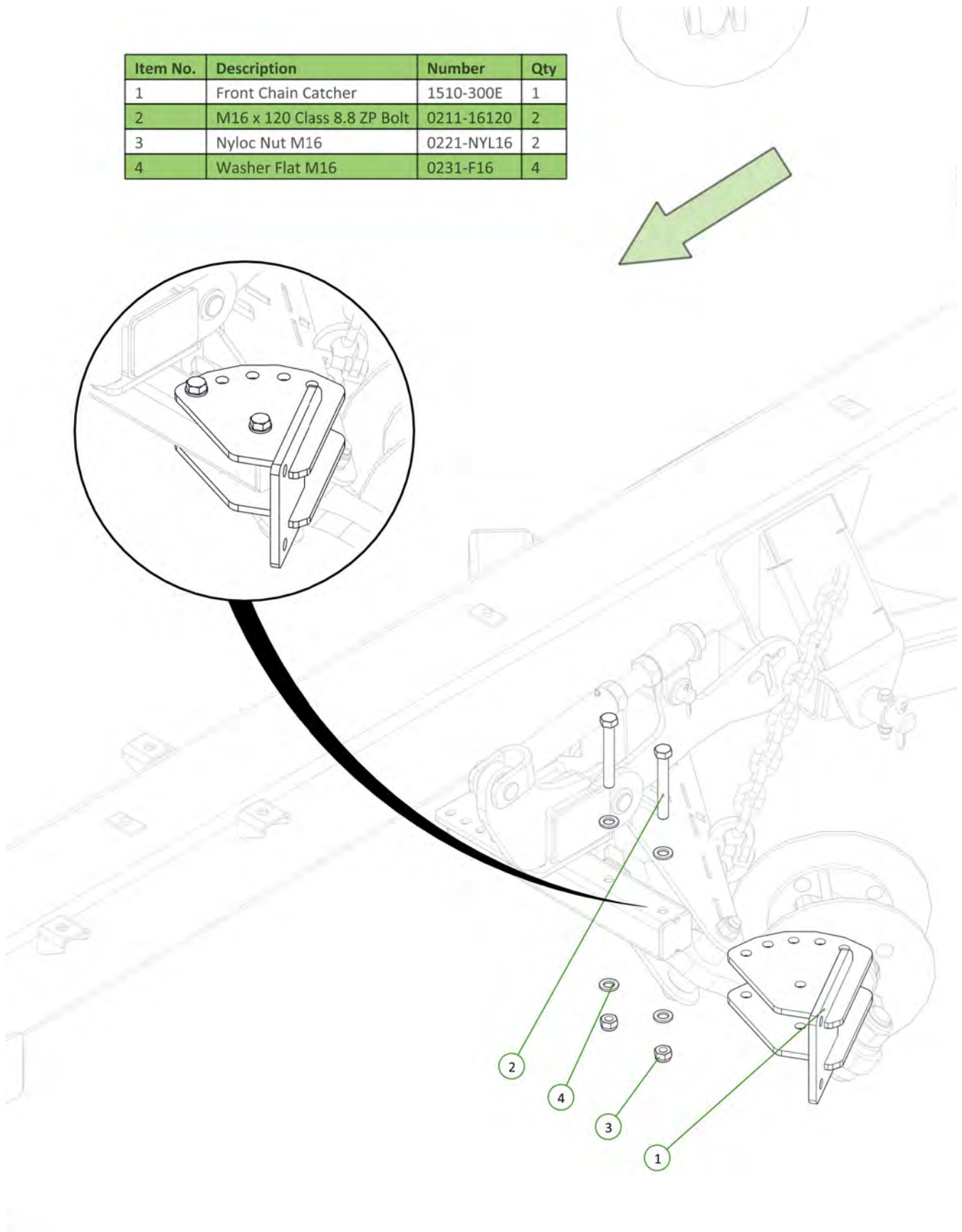
Item No.	Description	Number	Qty
1	Ratcheting Gear Wrench 46mm	0802-GW46	1



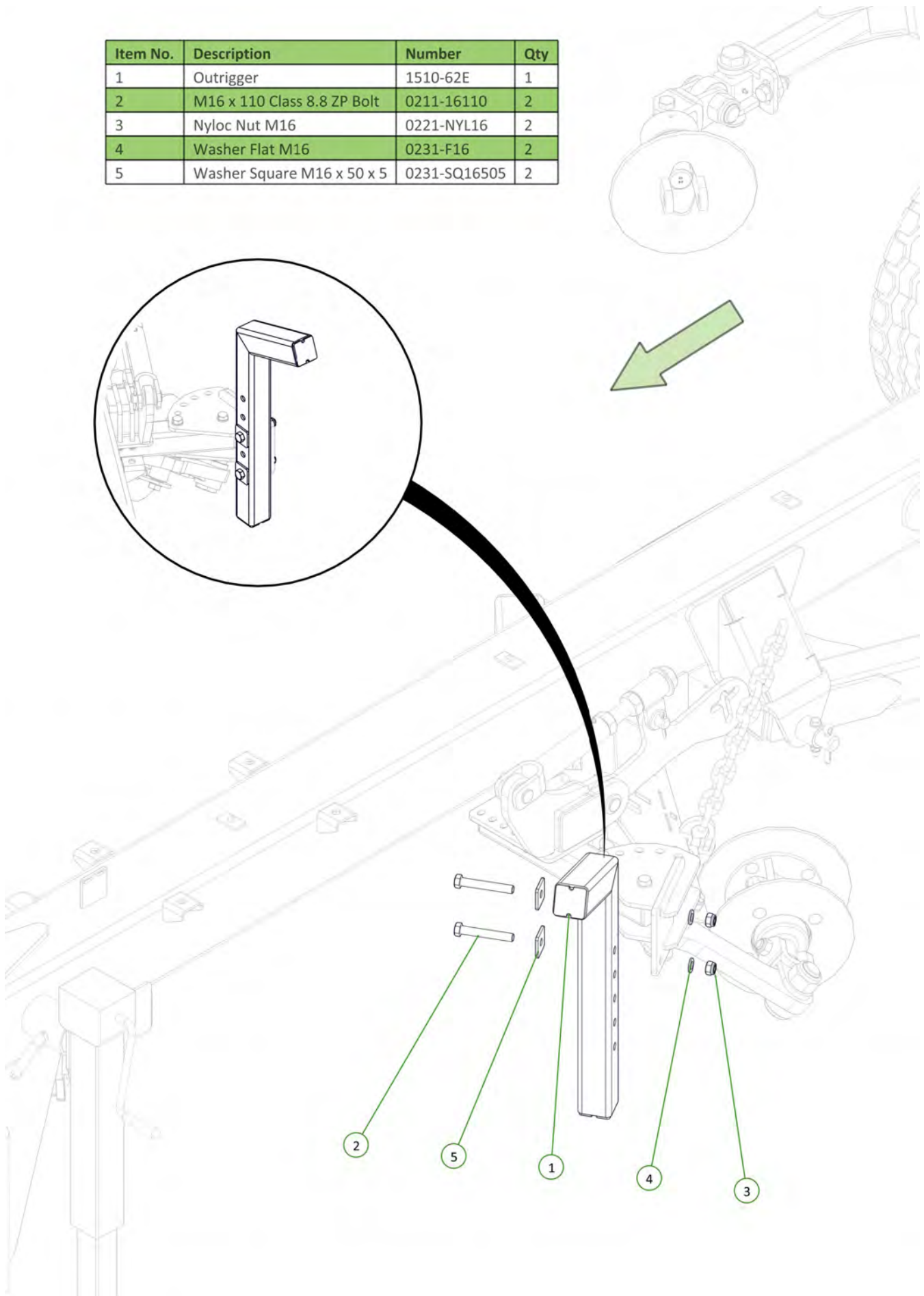
Item No.	Description	Number	Qty
1	Front Chain Catcher	1510-299E	1
2	Nyloc Nut M12	0221-NYL12	6
3	Washer Flat M12	0231-F12	6
4	U-bolt M12 x 130 Deep x 102 Wide	0271-12130102	2
5	U-bolt M12 x 130 Deep x 116 Wide	0271-12130116	1



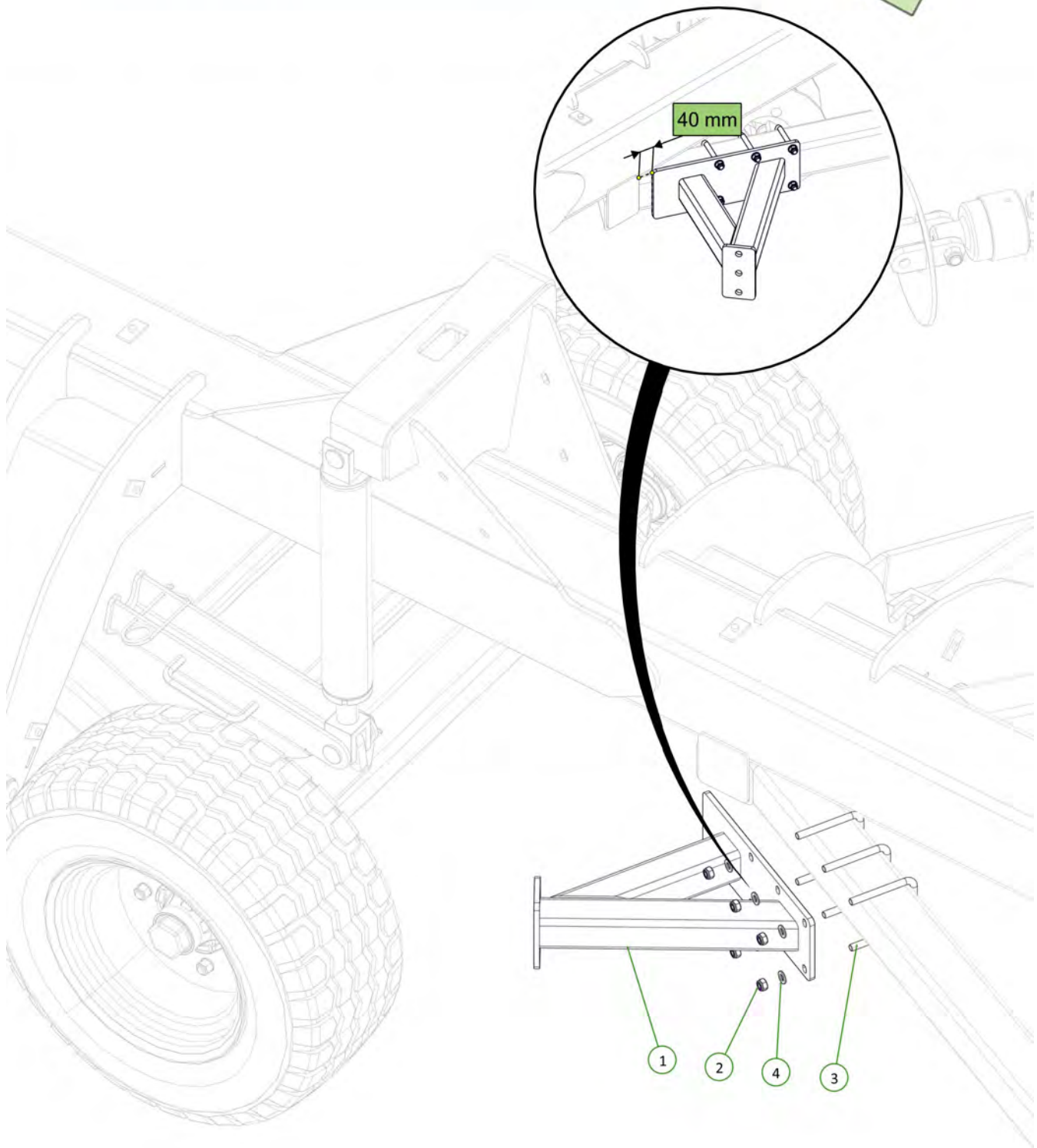
Item No.	Description	Number	Qty
1	Front Chain Catcher	1510-300E	1
2	M16 x 120 Class 8.8 ZP Bolt	0211-16120	2
3	Nyloc Nut M16	0221-NYL16	2
4	Washer Flat M16	0231-F16	4



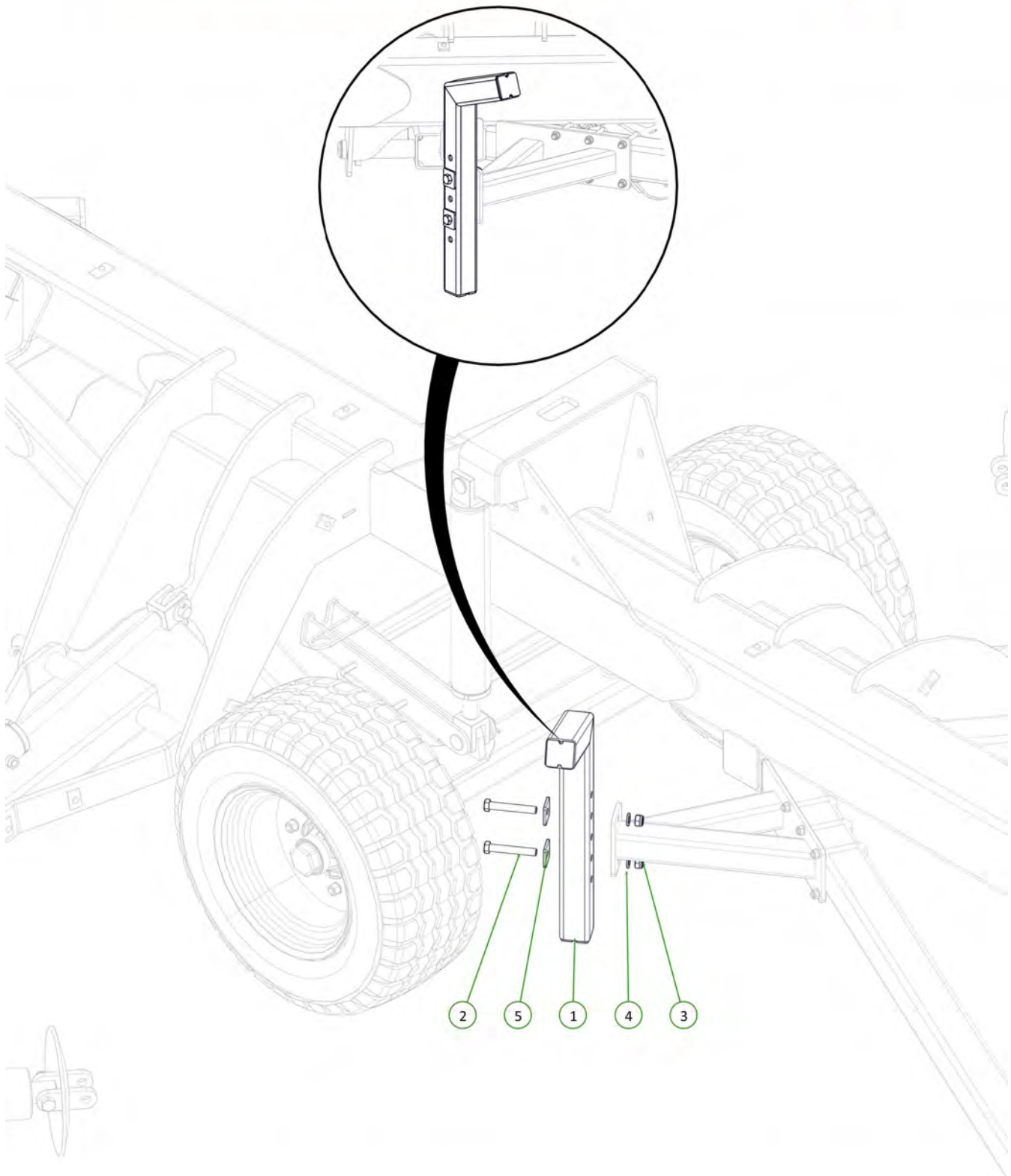
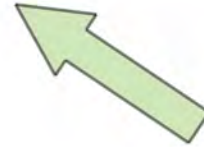
Item No.	Description	Number	Qty
1	Outrigger	1510-62E	1
2	M16 x 110 Class 8.8 ZP Bolt	0211-16110	2
3	Nyloc Nut M16	0221-NYL16	2
4	Washer Flat M16	0231-F16	2
5	Washer Square M16 x 50 x 5	0231-SQ16505	2



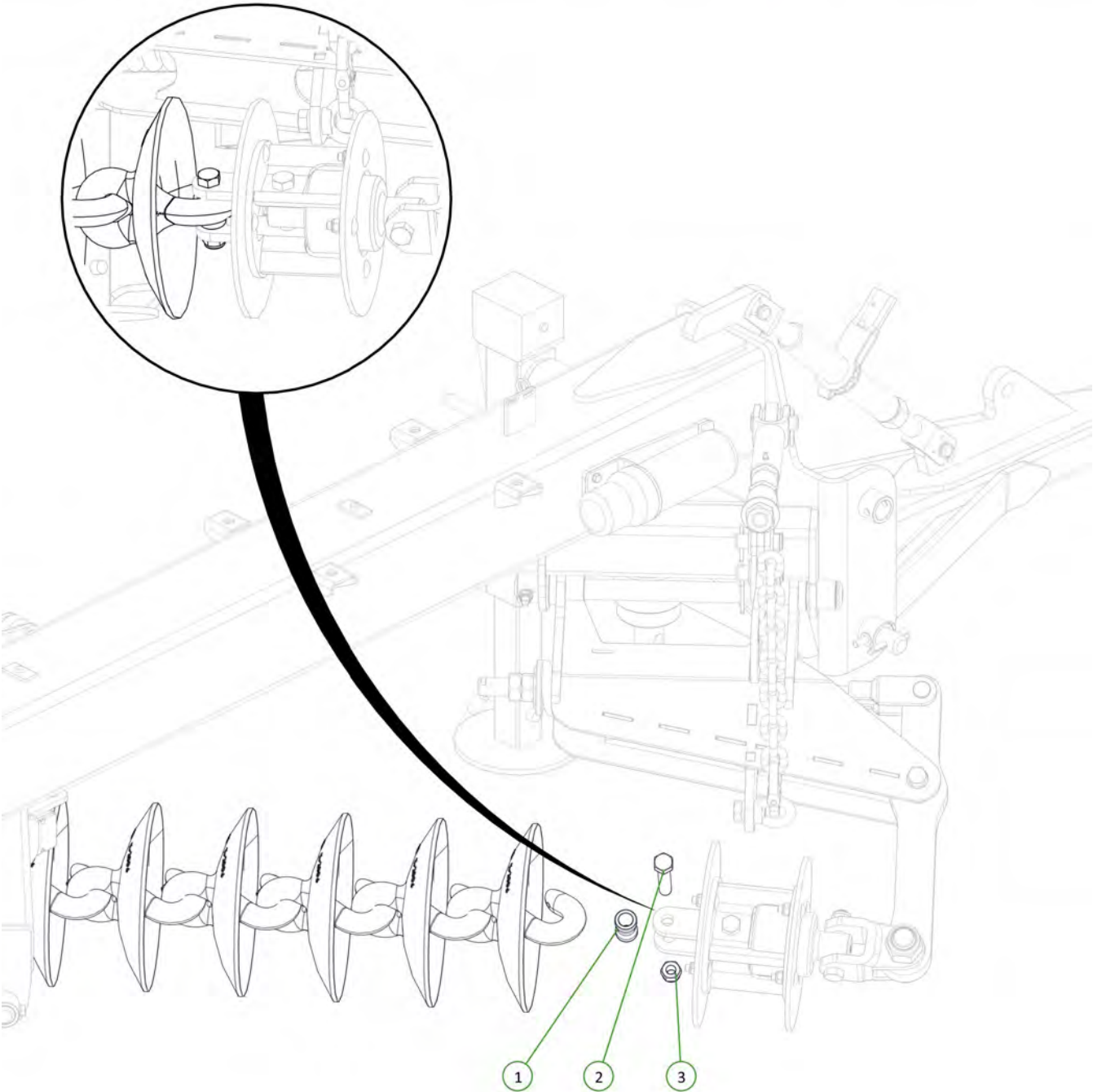
Item No.	Description	Number	Qty
1	Chain Catcher Bracket	1510-306E	1
2	Nyloc Nut M12	0221-NYL12	6
3	U-Bolt M12 x 125 Deep x 102 Wide	0271-12125102	3
4	Washer Flat M12	0231-F12	6



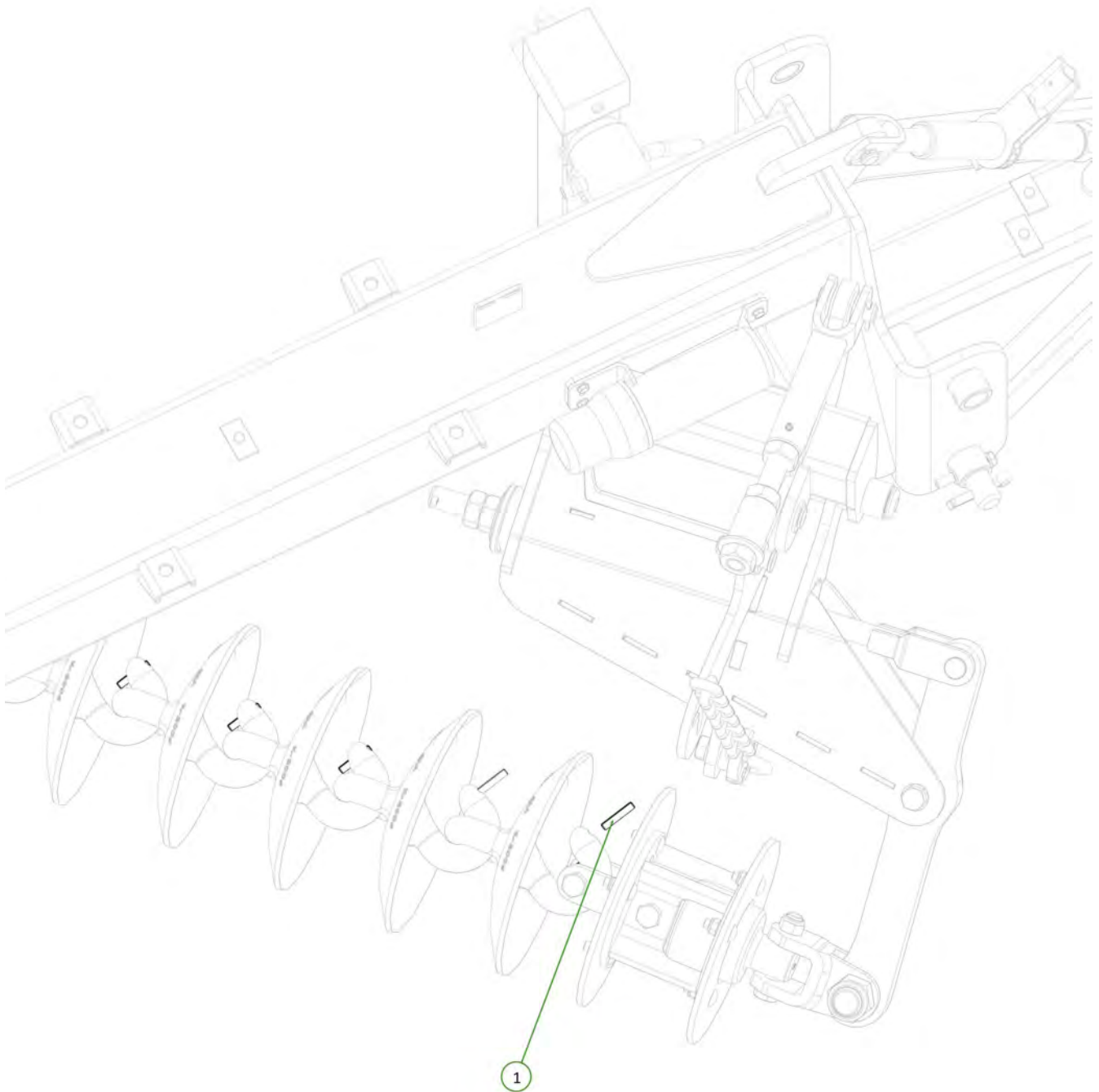
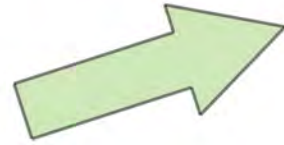
Item No.	Description	Number	Qty
1	Outrigger	1510-62E	1
2	M16 x 110 Class 8.8 ZP Bolt	0211-16110	2
3	Nyloc Nut M16	0221-NYL16	2
4	Washer Flat M16	0231-F16	2
5	Washer Square M16 x 50 x 5	0231-SQ16505	2

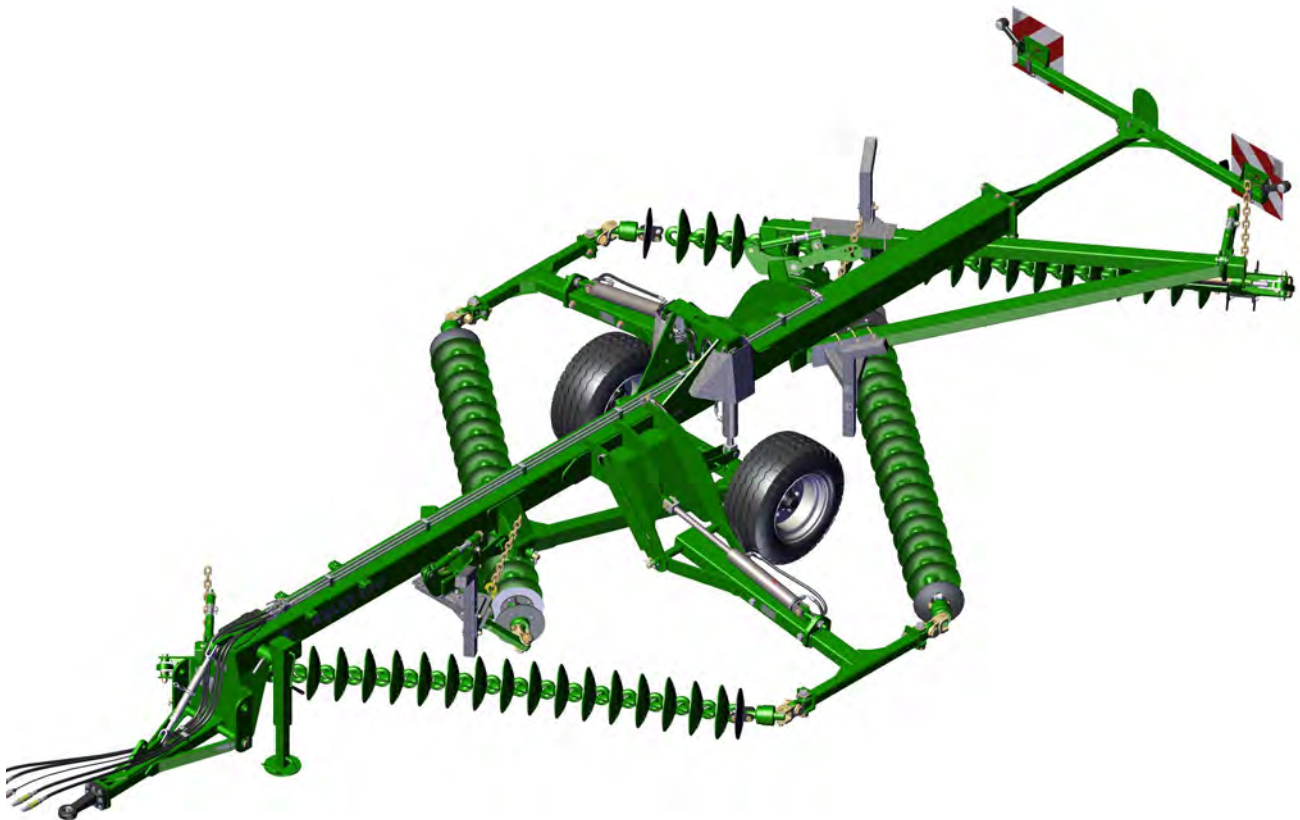


Item No.	Description	Number	Qty
1	Disc Chain Spacer	0801-253755	1
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST	1
3	Nyloc Nut M20	0221-NYL20	1



Item No.	Description	Number	Qty
1	Roll Pin Zinc Plated 3/8" x 2"	0262-3-8X2	1

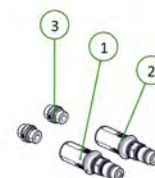
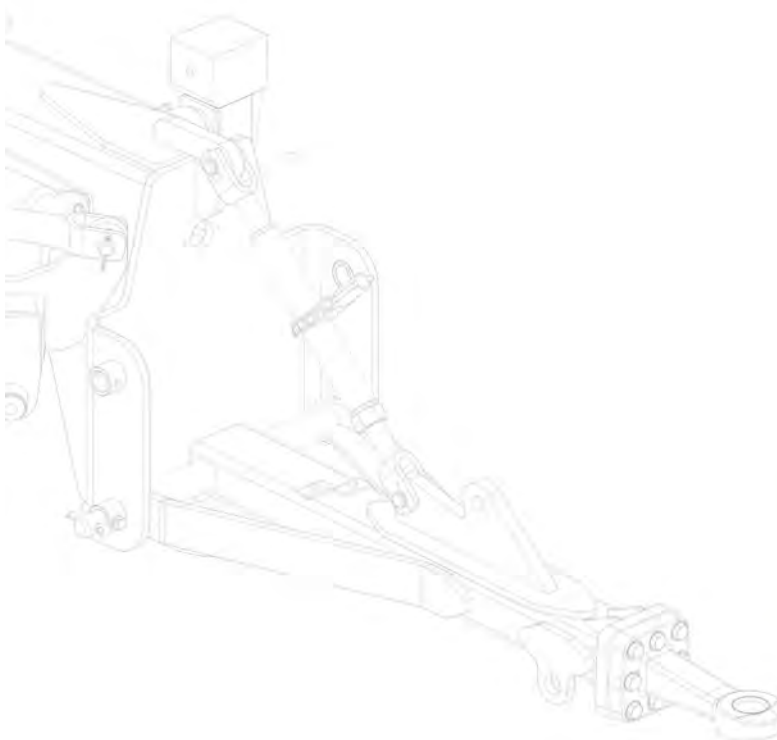




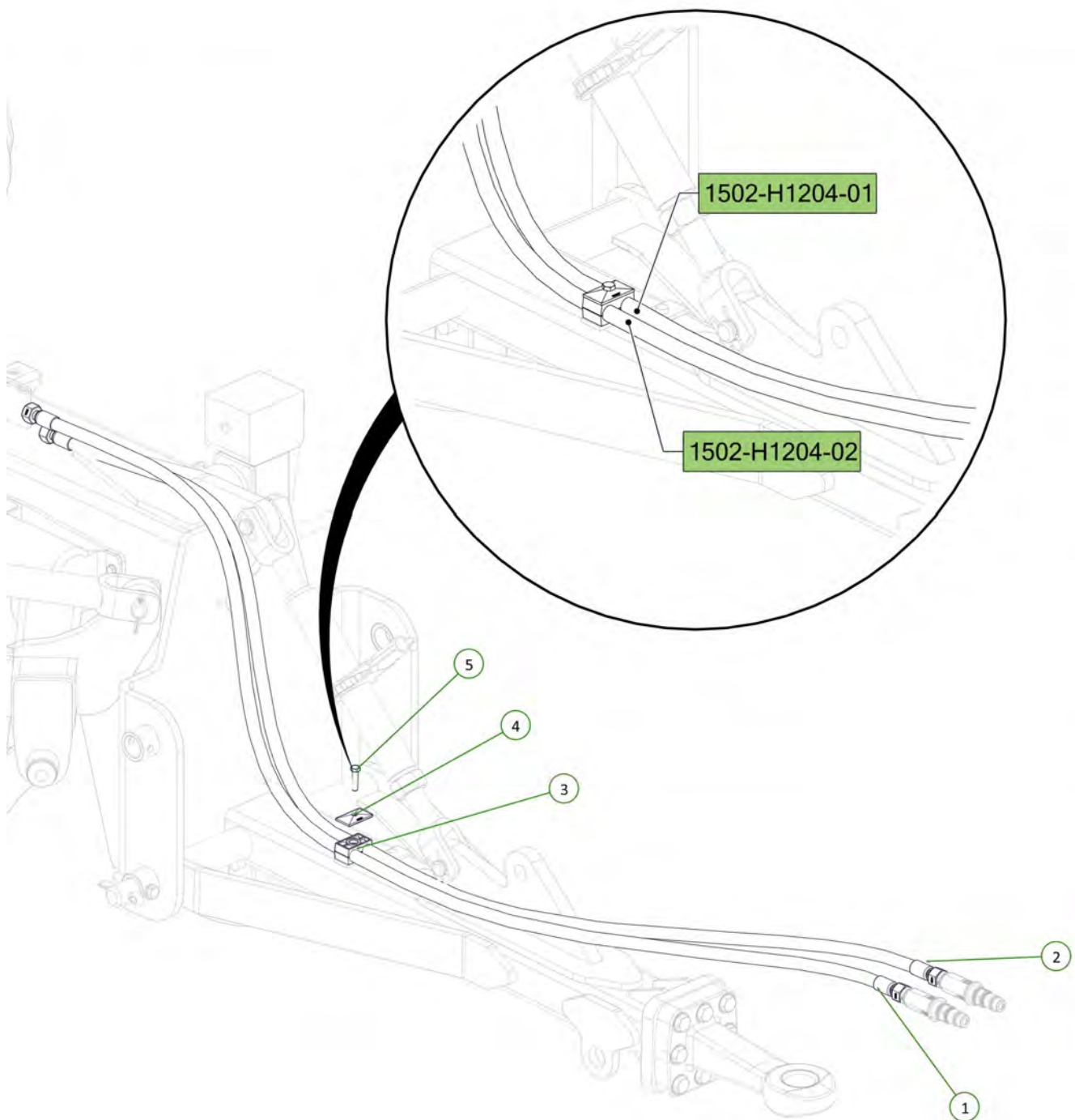


Section 2 - Hydraulics

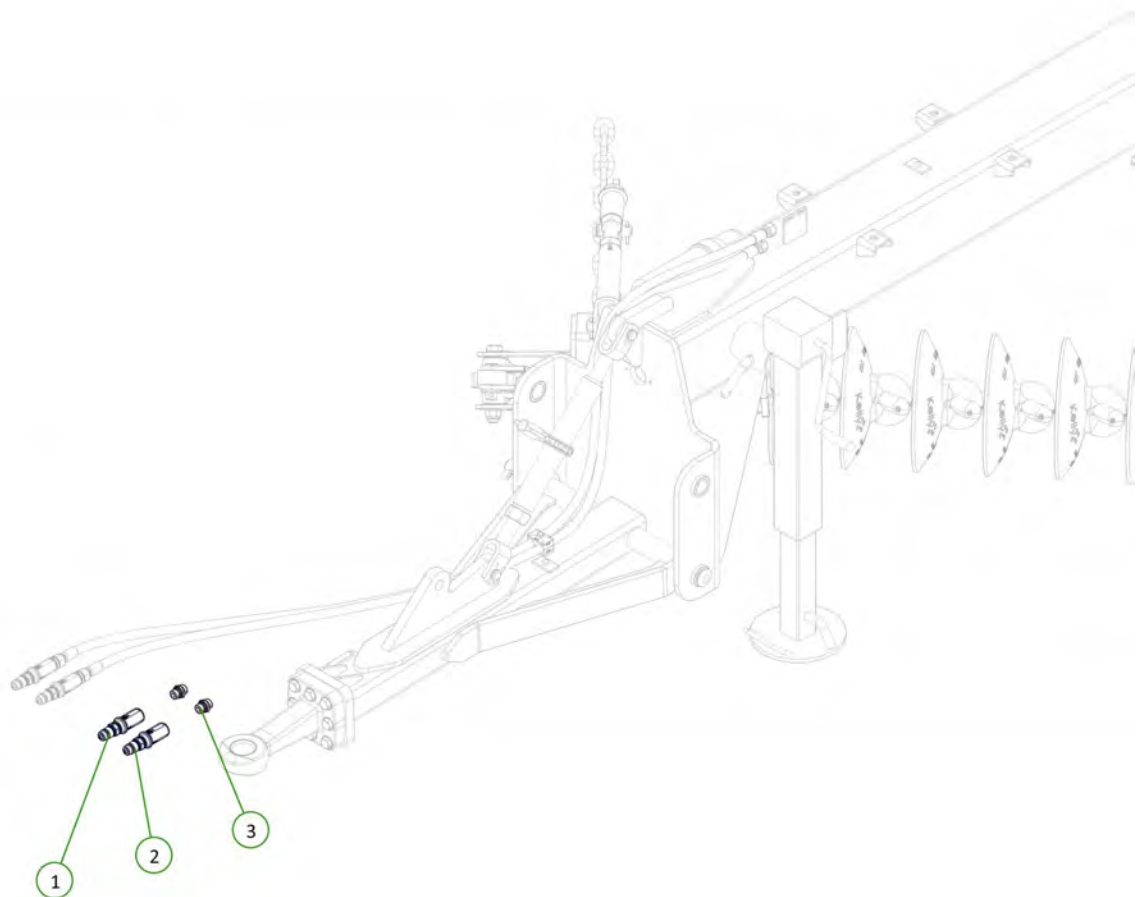
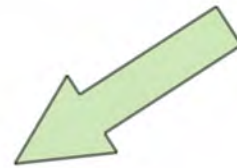
Item No.	Description	Number	Qty
1	Green Hose Grip Assembly Extend	0325-KF-GNKYEXT	1
2	Green Hose Grip Assembly Return	0325-KF-GNKYRET	1
3	Male Stud Connector	0323-24-SDS-L15-G1-2E	2



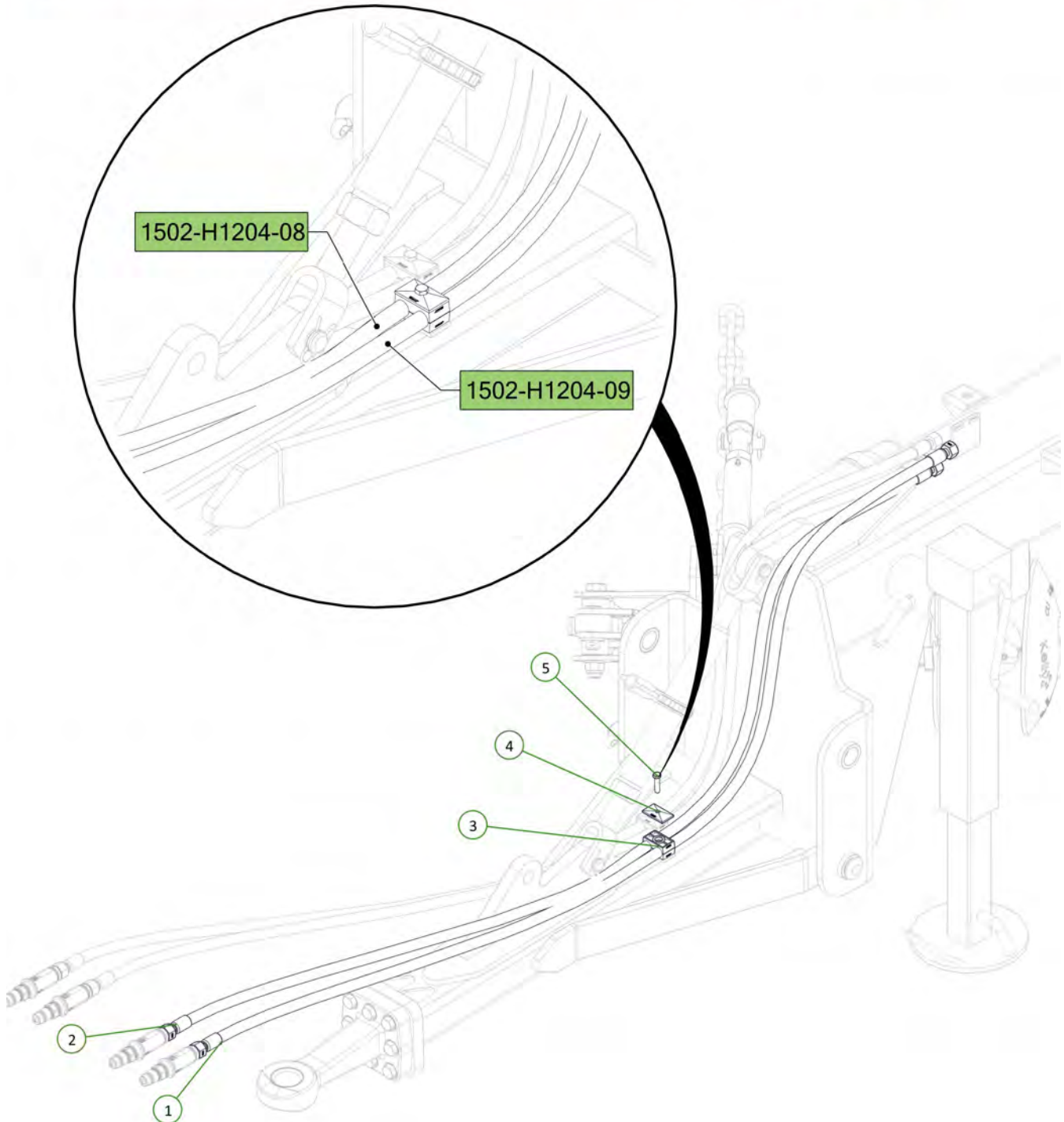
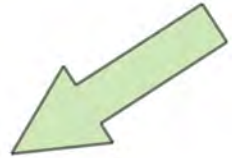
Item No.	Description	Number	Qty
1	Tractor to Wheel Lift Valve Hose	1502-H1204-02	1
2	Tractor to Wheel Lift Retract Tee Hose	1502-H1204-01	1
3	Clamp Body Size 2D Ø17,2mm Twin Series Polypropylene	0325-217.2-17.2-PP	1
4	Cover Plate Twin Series Size 2D	0325-GD-2D-W3	1
5	Hexagon Head Bolt Twin Series Size 2D	0325-AS-M8X35-DIN931-933-8.8-W3	1



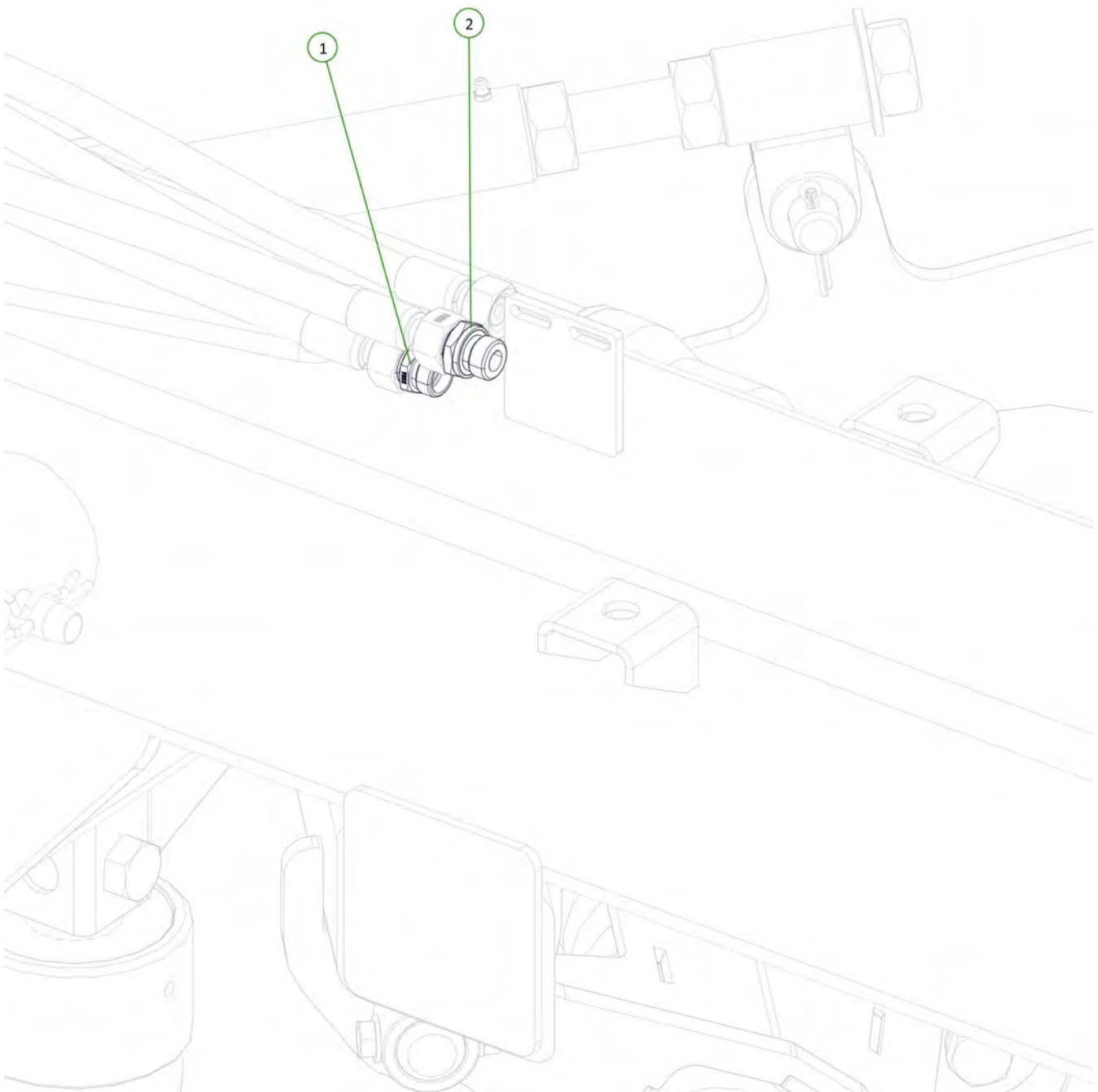
Item No.	Description	Number	Qty
1	Yellow Hose Grip Assembly Extend	0325-KF-YEKYEXT	1
2	Yellow Hose Grip Assembly Return	0325-KF-YEKYRET	1
3	Male Stud Connector	0323-24-SDS-L15-G1-2E	2



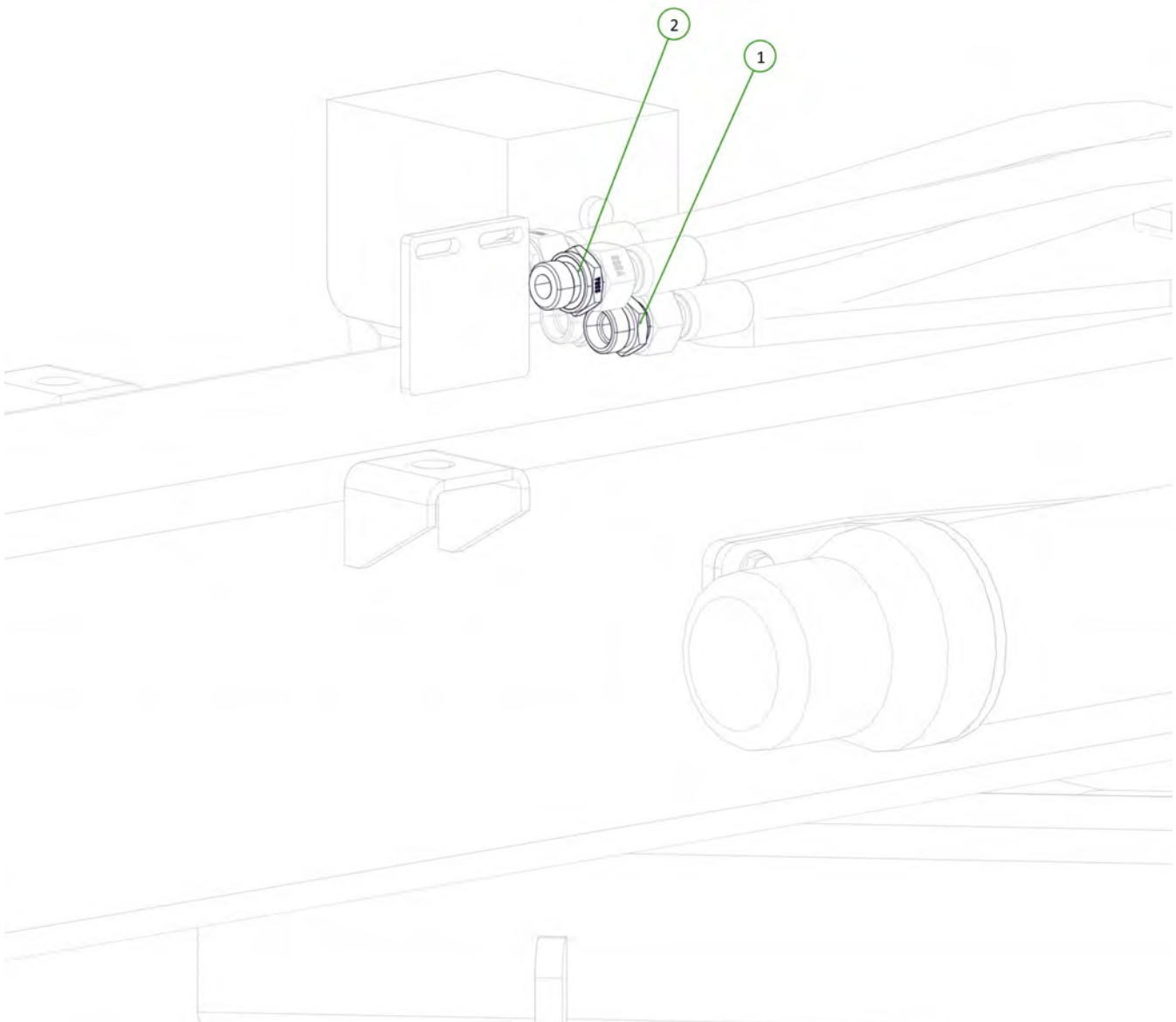
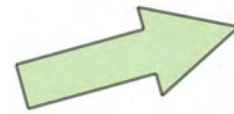
Item No.	Description	Number	Qty
1	Tractor to Wing Fold Valve Hose	1502-H1204-09	1
2	Tractor to Wing Unfold Tee Hose	1502-H1204-08	1
3	Clamp Body Size 2D Ø17,2mm Twin Series Polypropylene	0325-217.2-17.2-PP	1
4	Cover Plate Twin Series Size 2D	0325-GD-2D-W3	1
5	Hexagon Head Bolt Twin Series Size 2D	0325-AS-M8X35-DIN931-933-8.8-W3	1



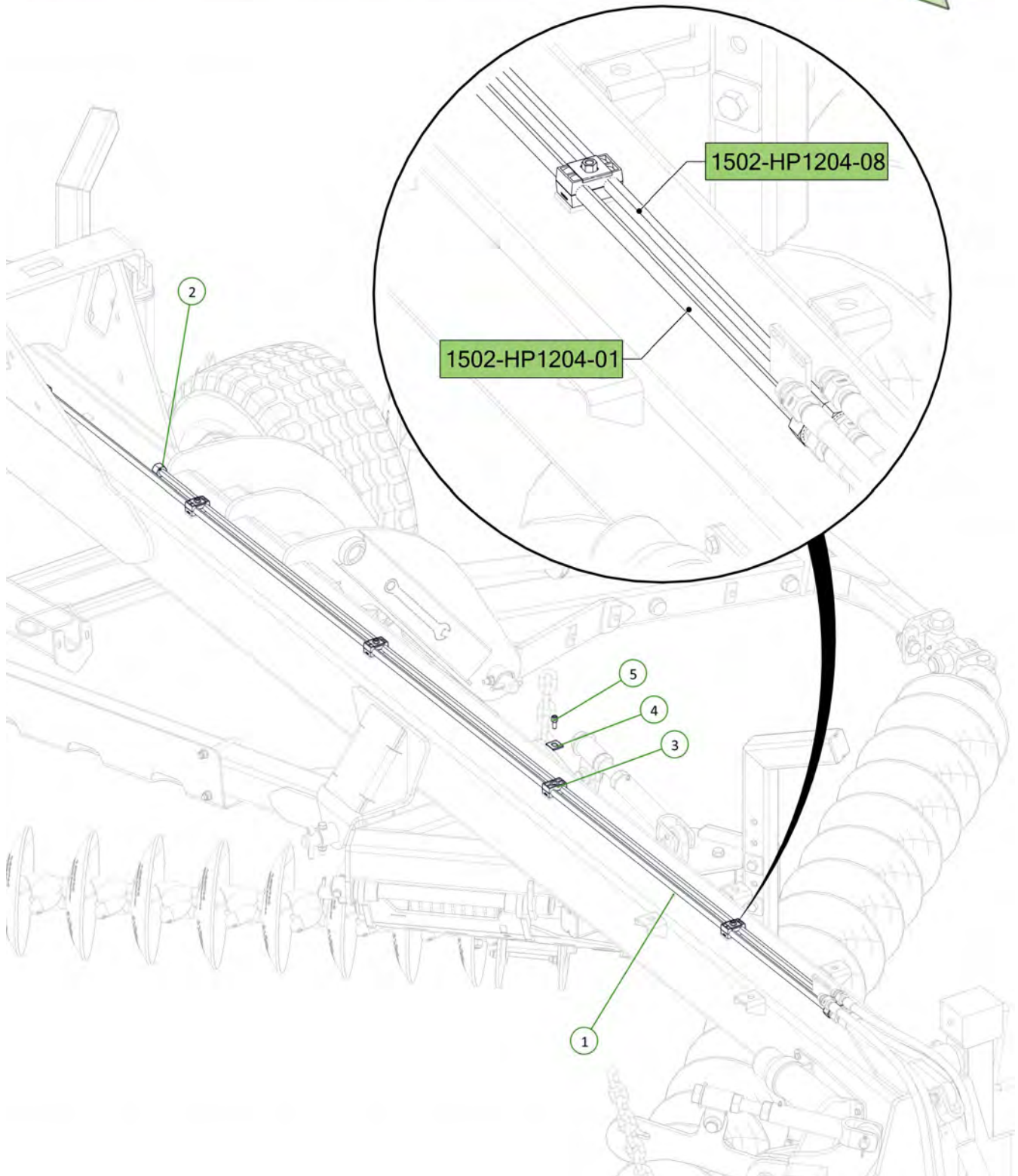
Item No.	Description	Number	Qty
1	L15 Union	0323-24-S-L15	1
2	Male Stud Connector	0323-24-SDS-L15-G1-2E	1



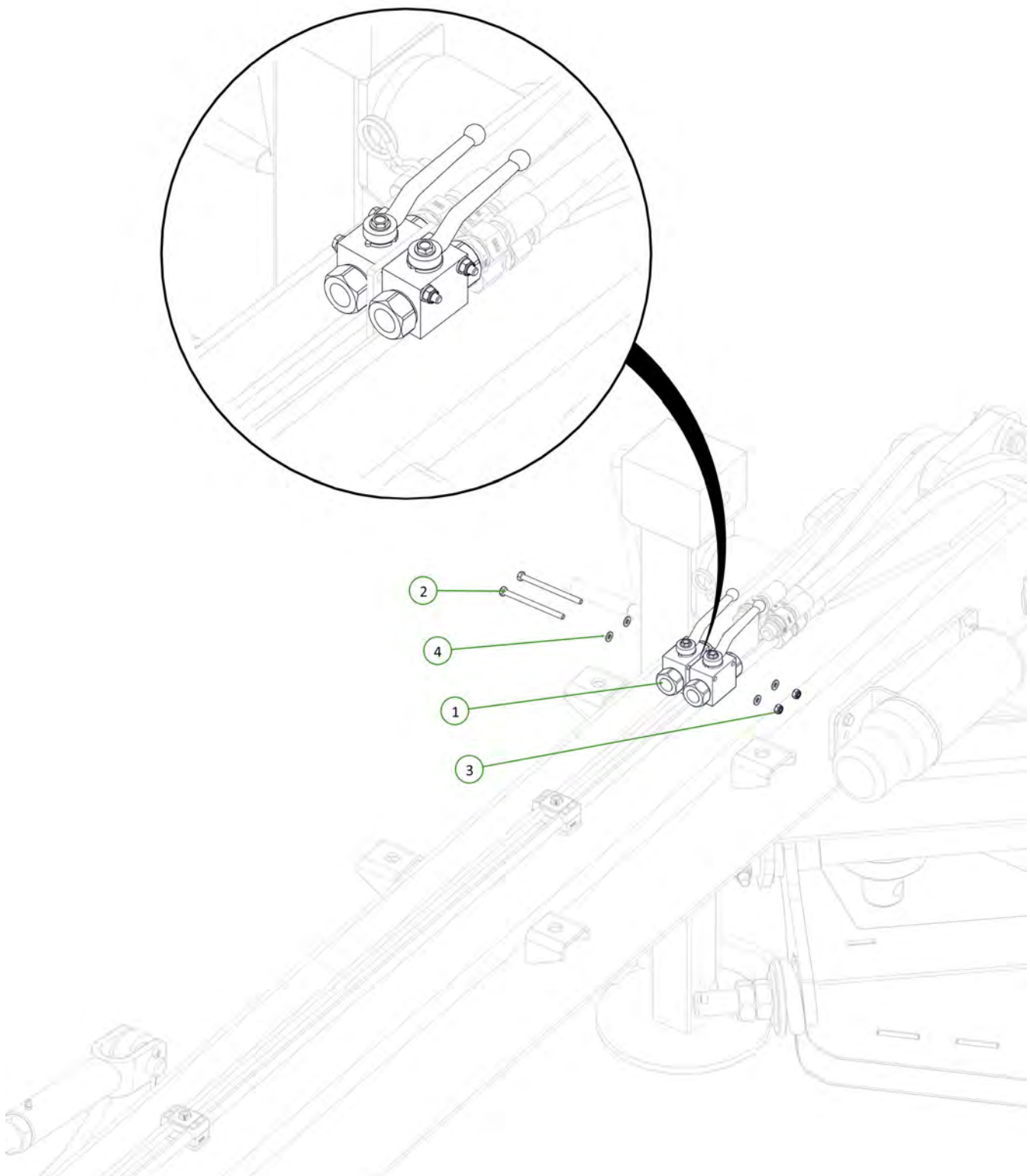
Item No.	Description	Number	Qty
1	L15 Union	0323-24-S-L15	1
2	Male Stud Connector	0323-24-SDS-L15-G1-2E	1



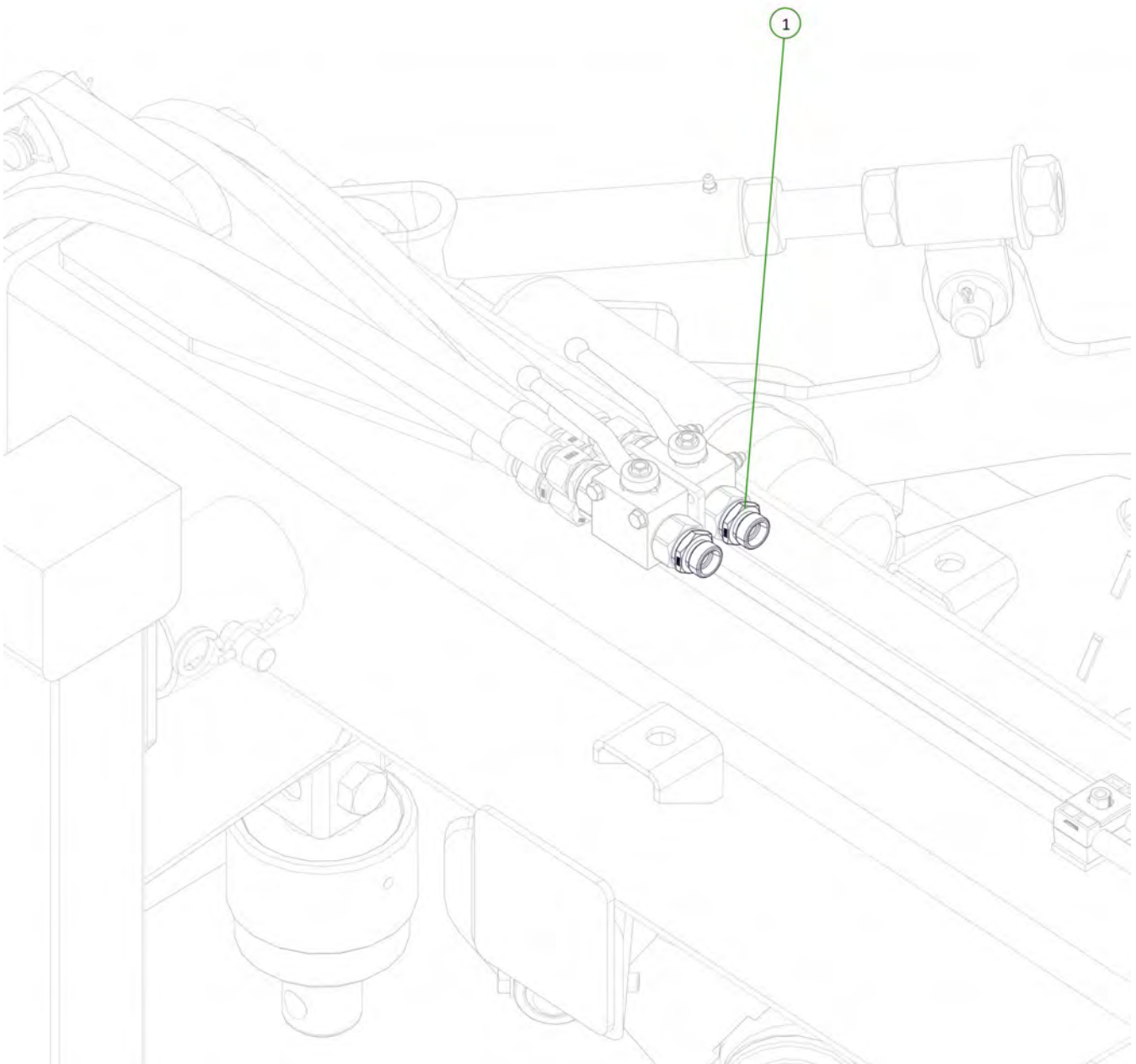
Item No.	Description	Number	Qty
1	Tractor to Wheel Lift Retract Tee Pipe	1502-HP1204-01	1
2	Tractor to Wing Unfold Tee Pipe	1502-HP1204-08	1
3	Clamp Body Size 2D Ø15mm Twin Series Polypropylene	0325-215-15-PP	4
4	Double Clamp Stacking Plate (Non Ryco)	0325-SI-2-5D-W3	4
5	Stacking Bolt Twin Series Size 2D M8x20	0325-AF-2D-M-W3	4



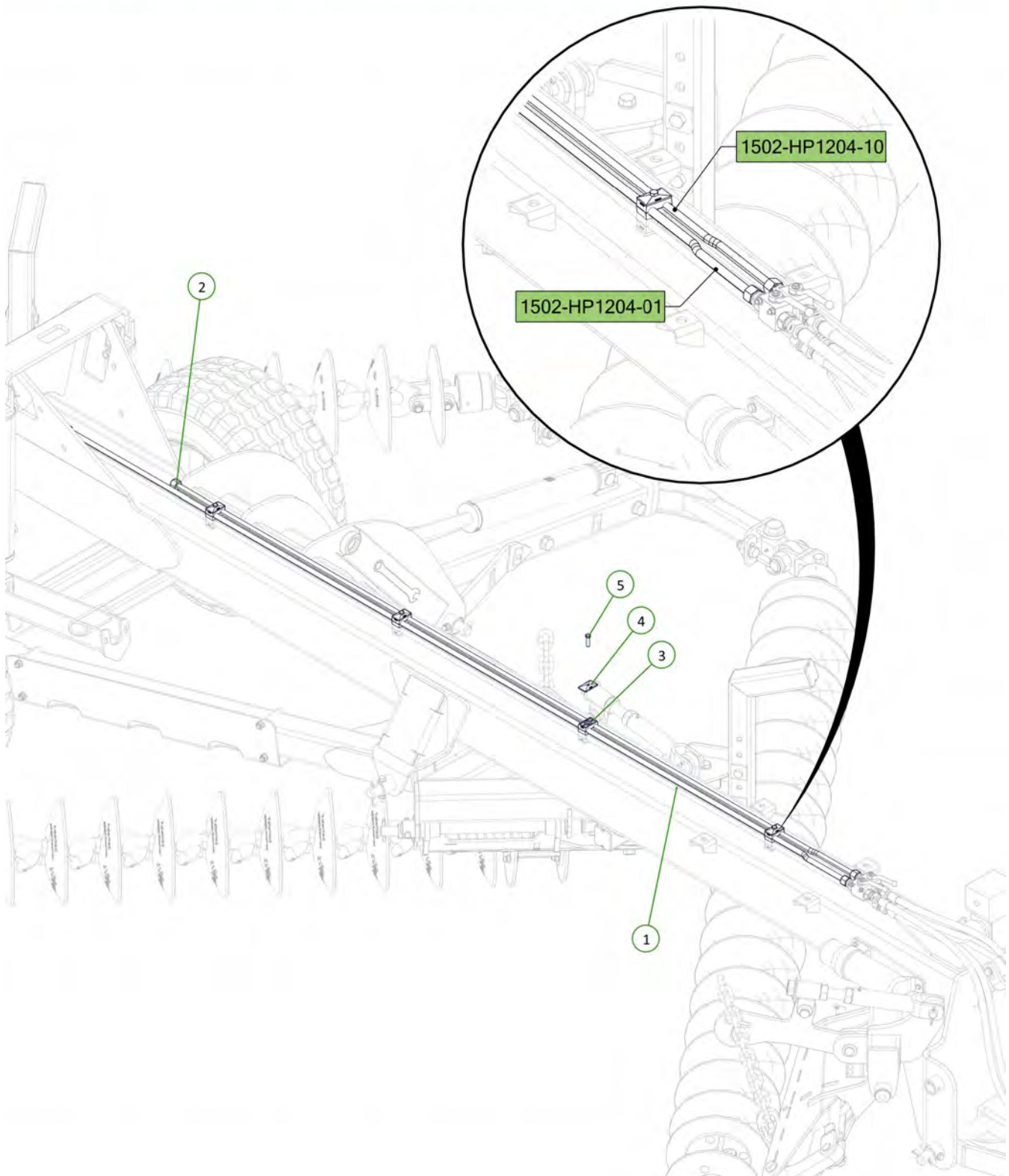
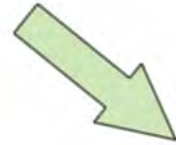
Item No.	Description	Number	Qty
1	Ball Valve BSPP 1/2"	0341-RL20SH-0808	2
2	M6 x 90 Class 8.8 ZP Bolt	0211-690	2
3	Nyloc Nut M6	0221-NYL6	2
4	Washer Flat M6	0231-F6	4



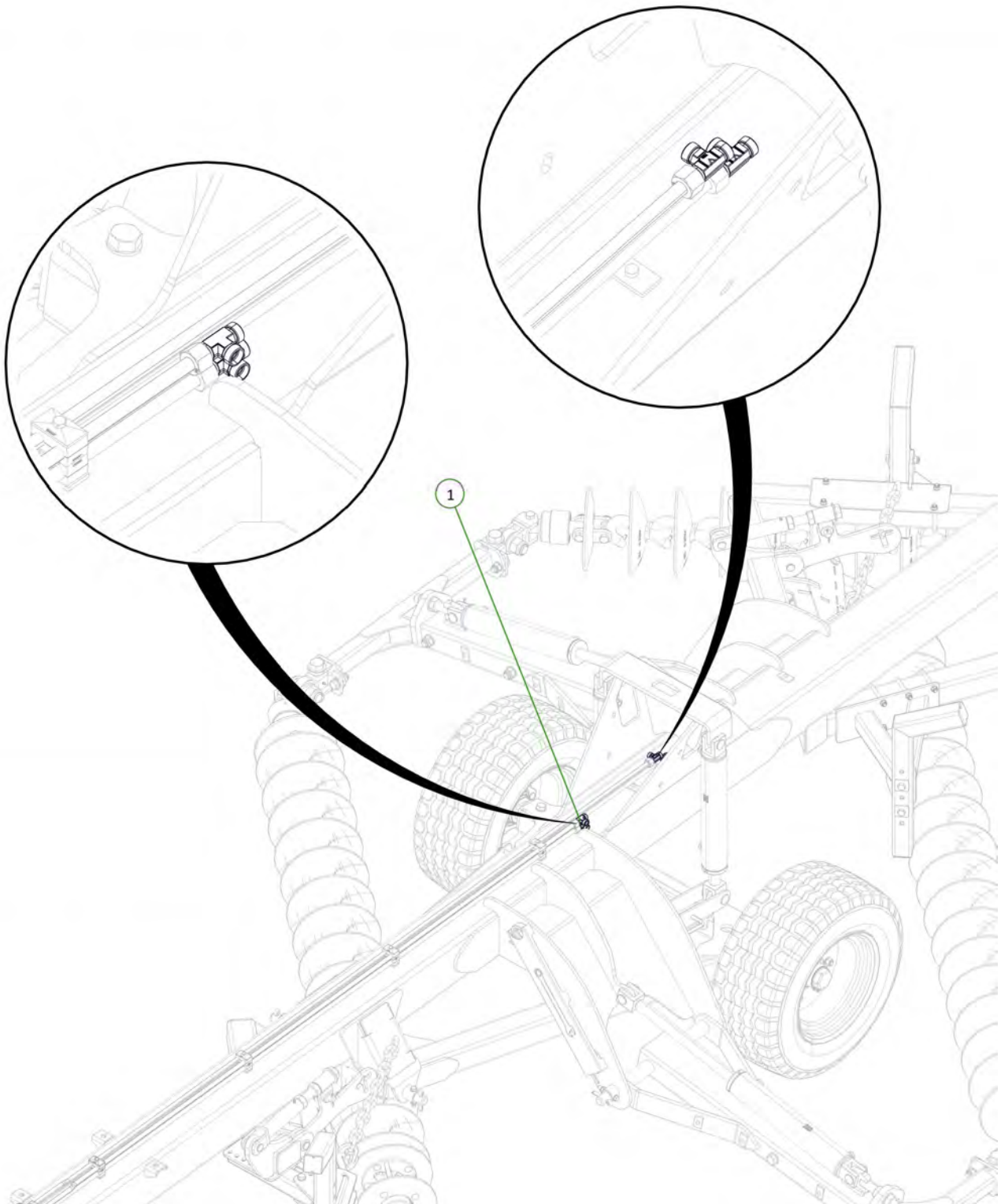
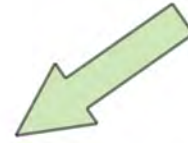
Item No.	Description	Number	Qty
1	Male Stud Connector	0323-24-SDS-L15-G1-2E	2



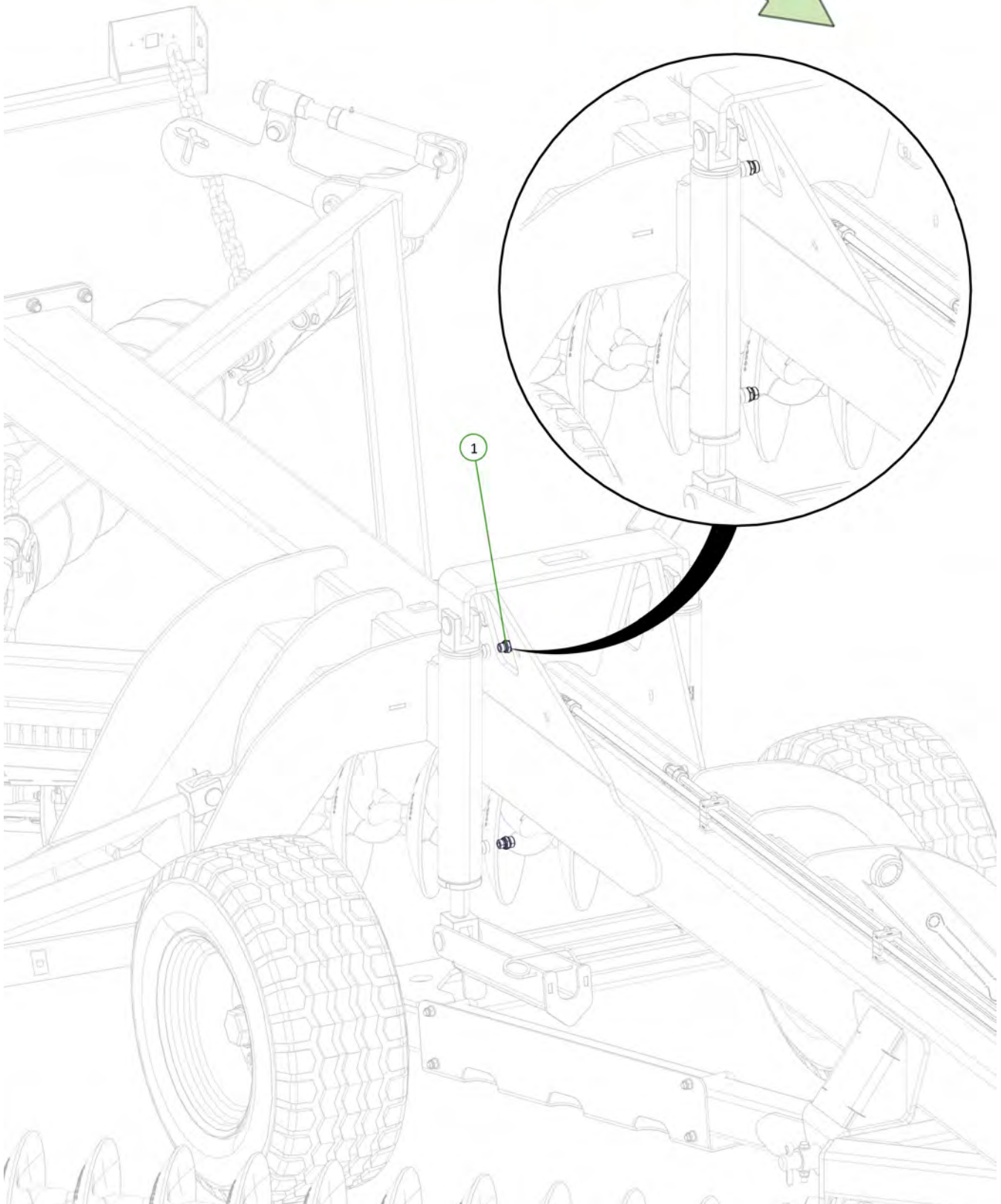
Item No.	Description	Number	Qty
1	Wheel Lift Valve to Wheel Lift Extend Tee	1502-HP1204-03	1
2	Wing Fold Valve to Wing Fold Tee	1502-HP1204-10	1
3	Clamp Body Size 2D Ø15mm Twin Series Polypropylene	0325-215-15-PP	4
4	Cover Plate Twin Series Size 2D	0325-GD-2D-W3	4
5	Hexagon Head Bolt Twin Series Size 2D	0325-AS-M8X35-DIN931-933-8.8-W3	4



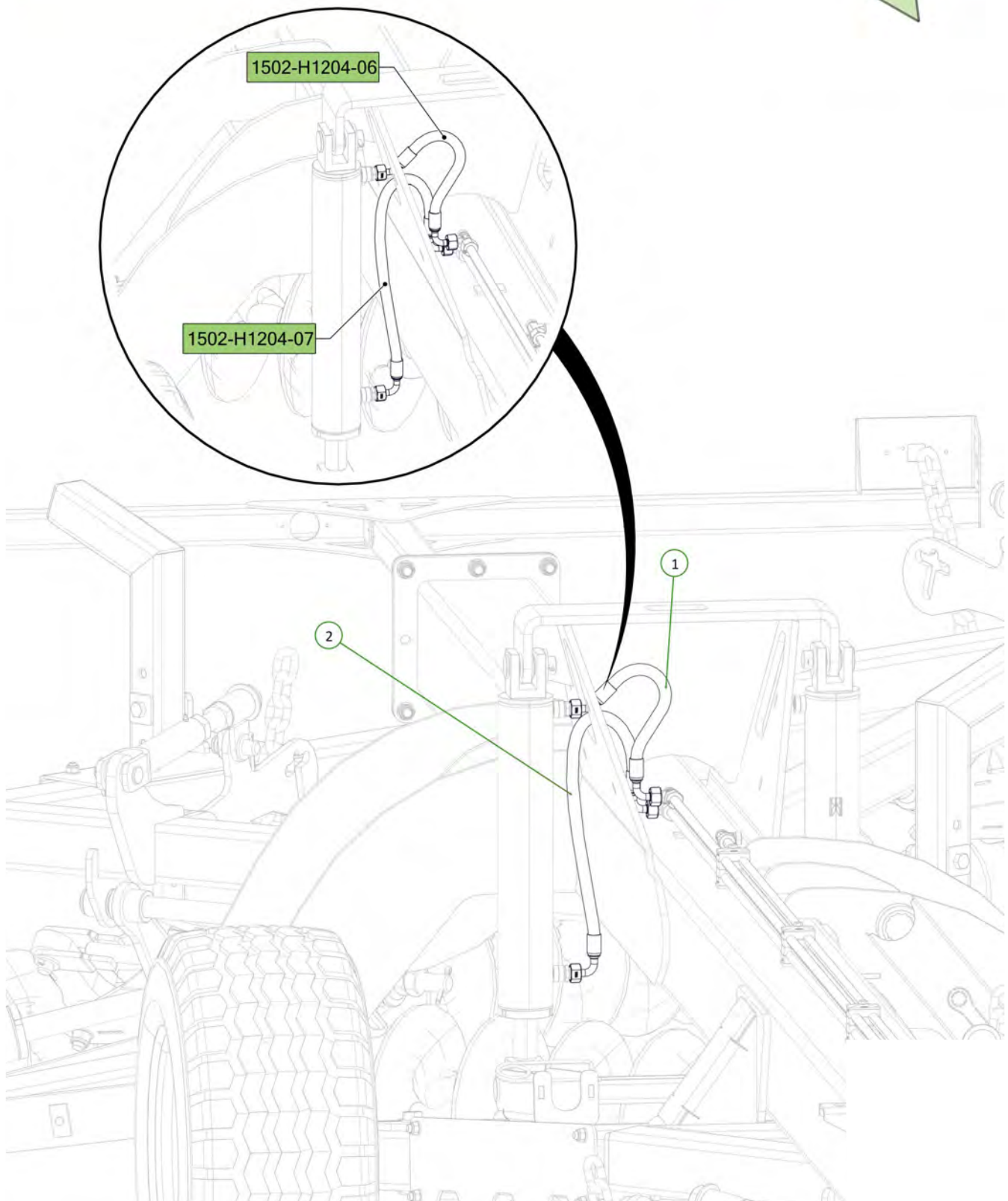
Item No.	Description	Number	Qty
1	L15 Union Tee	0324-24-T-L15	4



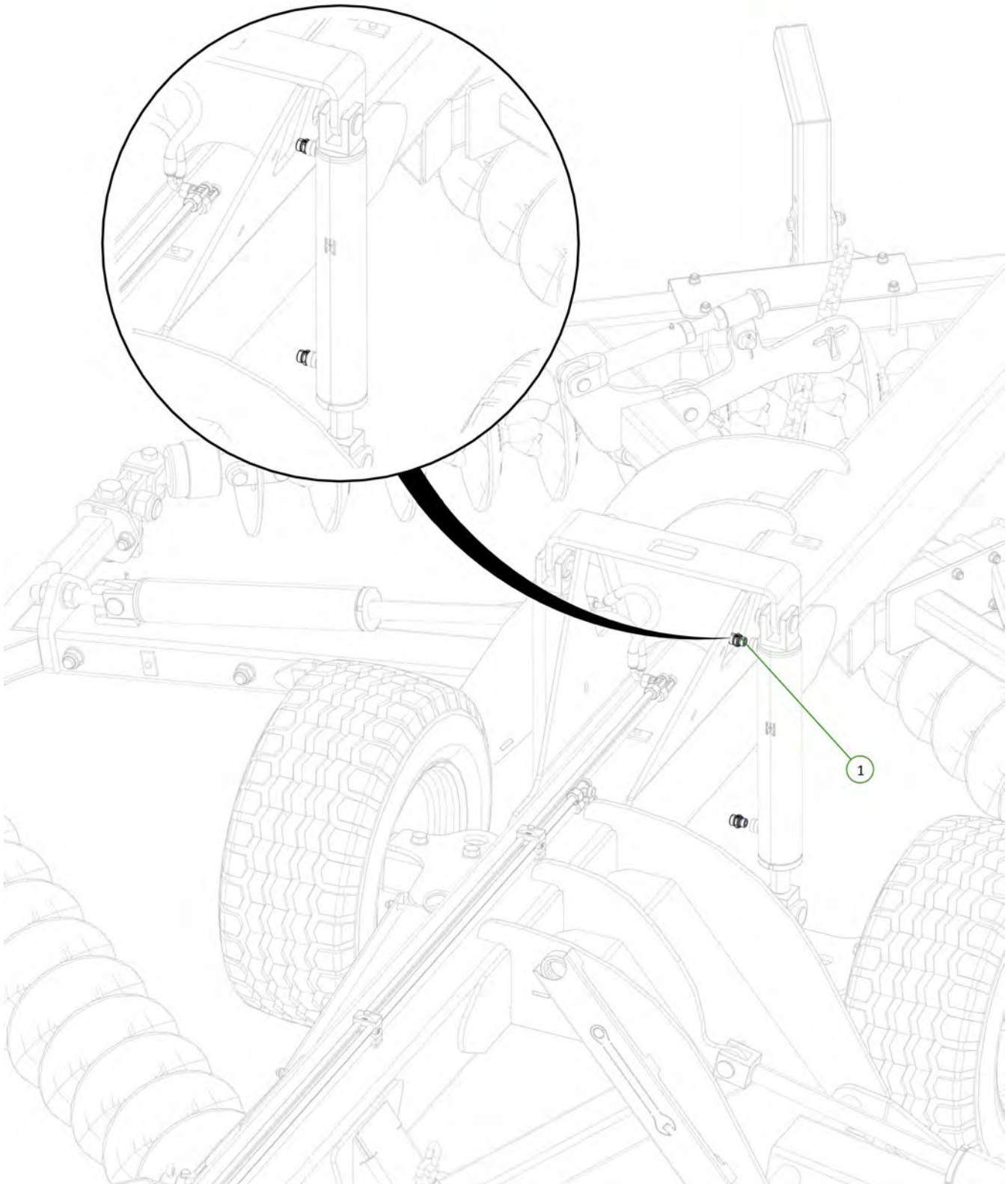
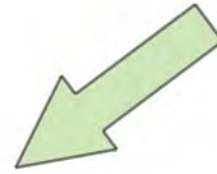
Item No.	Description	Number	Qty
1	Adaptor	0323-24-SDS-L15-M18E	2



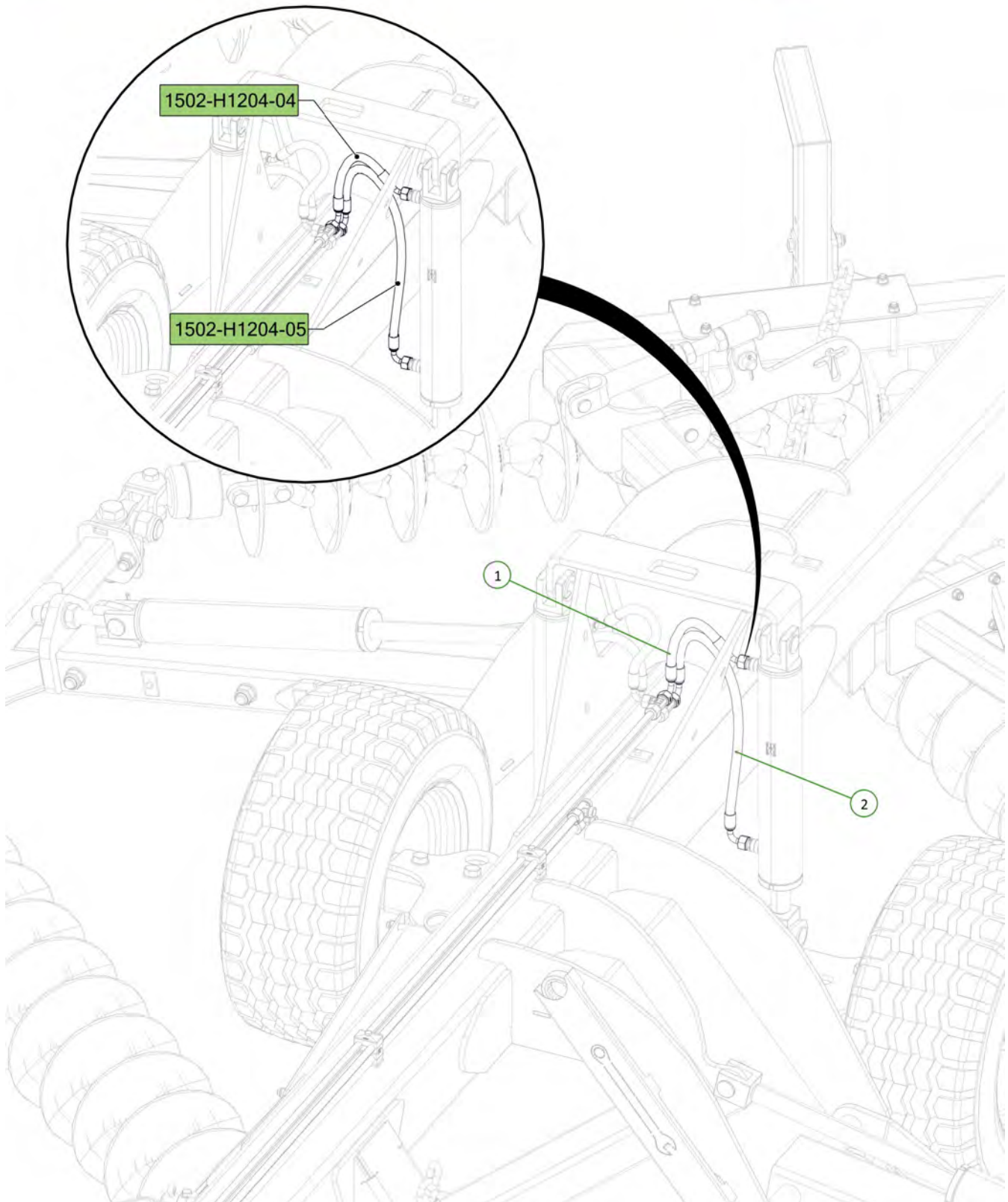
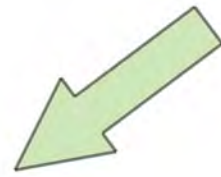
Item No.	Description	Number	Qty
1	Wheel Lift Extend Tee to Right Hand Lift Cylinder Extend Port	1502-H1204-06	1
2	Wheel Lift Retract Tee to Right Hand Lift Cylinder Retract Port	1502-H1204-07	1



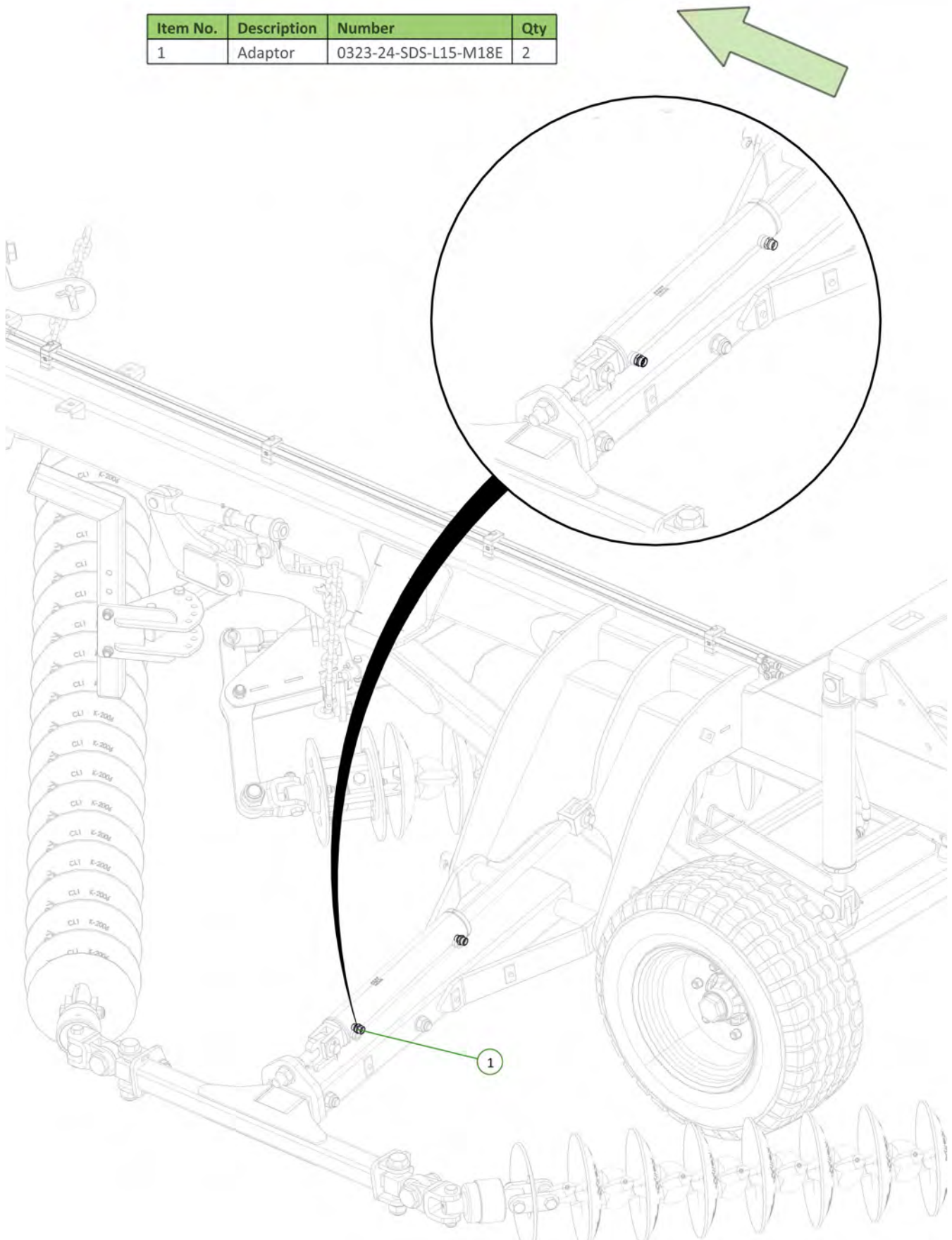
Item No.	Description	Number	Qty
1	Adaptor	0323-24-SDS-L15-M18E	2



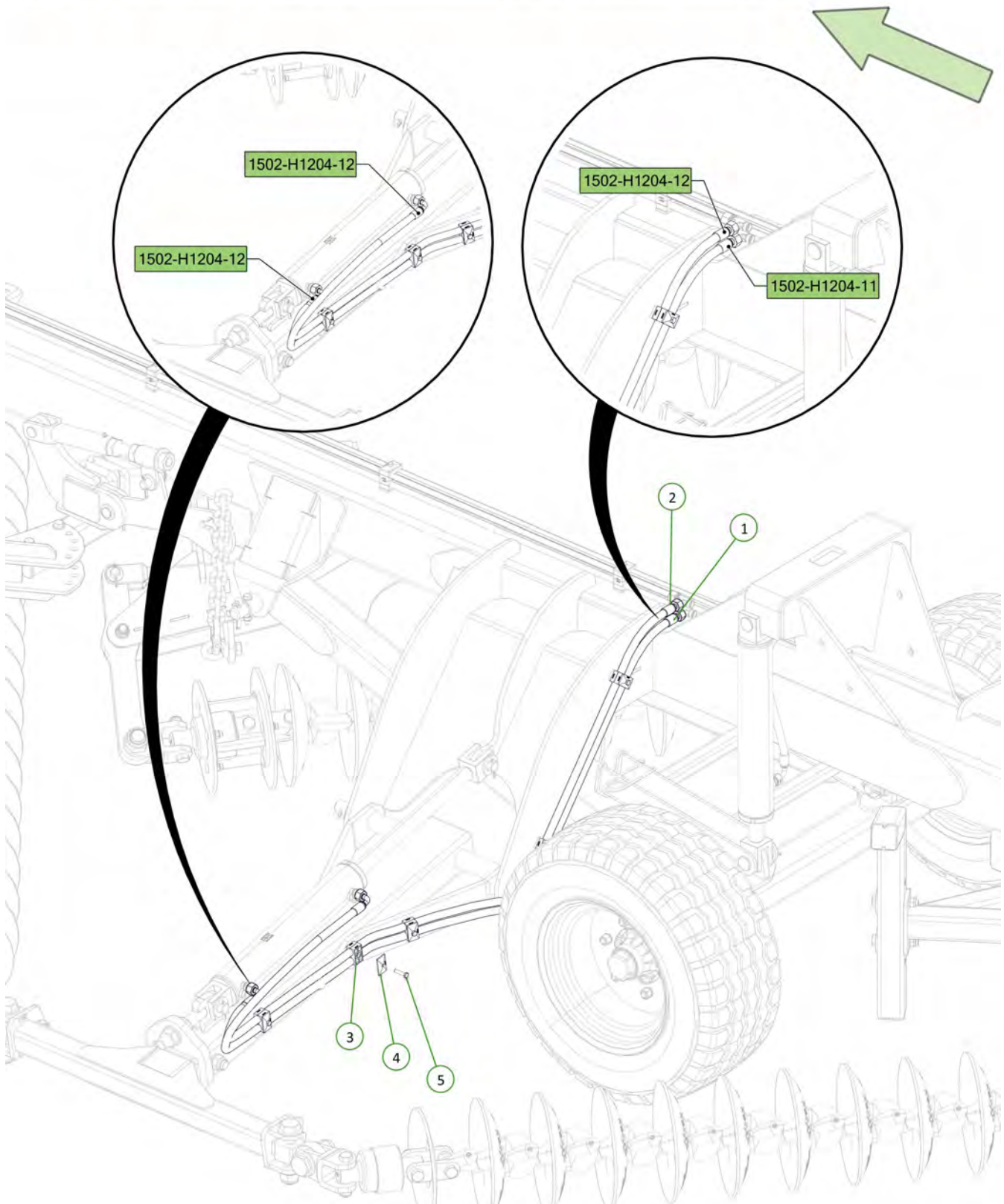
Item No.	Description	Number	Qty
1	Wheel Lift Extend Tee to Left Hand Lift Cylinder Extend Port	1502-H1204-04	1
2	Wheel Lift Retract Tee to Left Hand Lift Cylinder Retract Port	1502-H1204-05	1



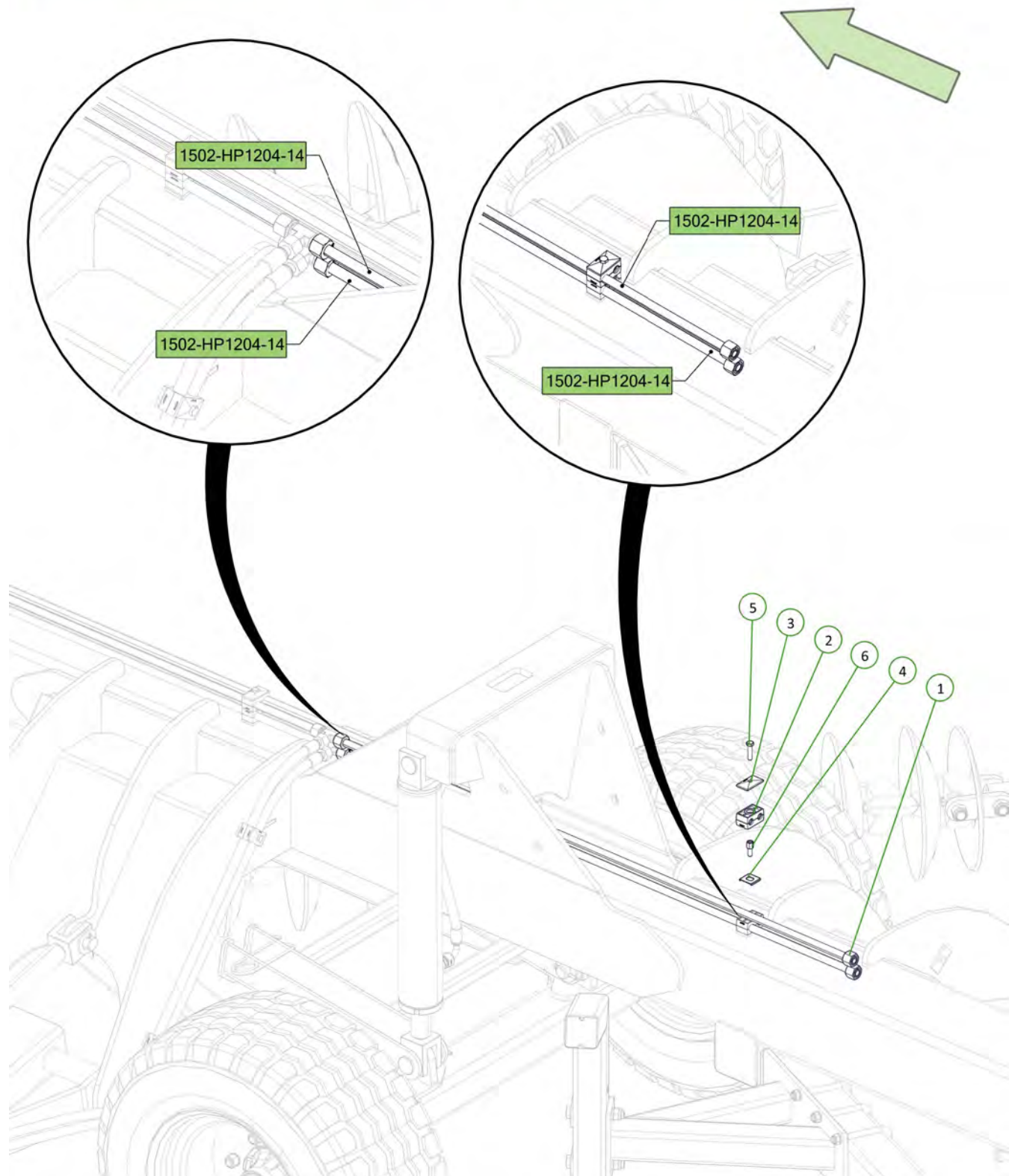
Item No.	Description	Number	Qty
1	Adaptor	0323-24-SDS-L15-M18E	2



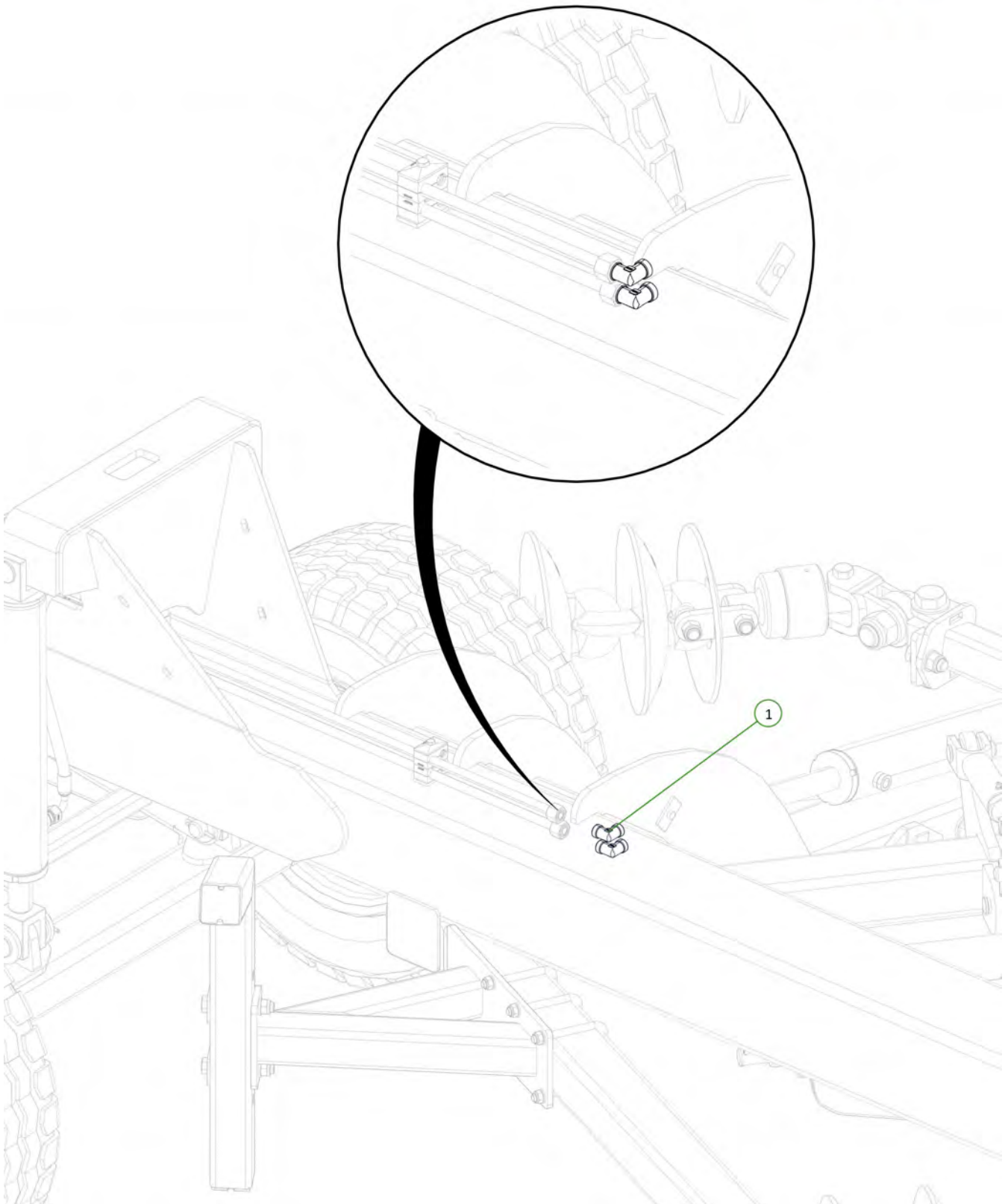
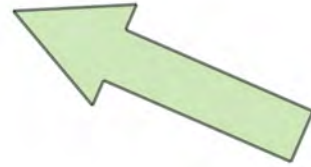
Item No.	Description	Number	Qty
1	Wing Fold Tee to Left Hand Wing Cylinder Retract Port	1502-H1204-12	1
2	Wing Unfold Tee to Left Hand Wing Cylinder Extend Port	1502-H1204-11	1
3	Clamp Body Size 2D Ø17,2mm Twin Series Polypropylene	0325-217.2-17.2-PP	5
4	Cover Plate Twin Series Size 2D	0325-GD-2D-W3	5
5	Hexagon Head Bolt Twin Series Size 2D	0325-AS-M8X35-DIN931-933-8.8-W3	5



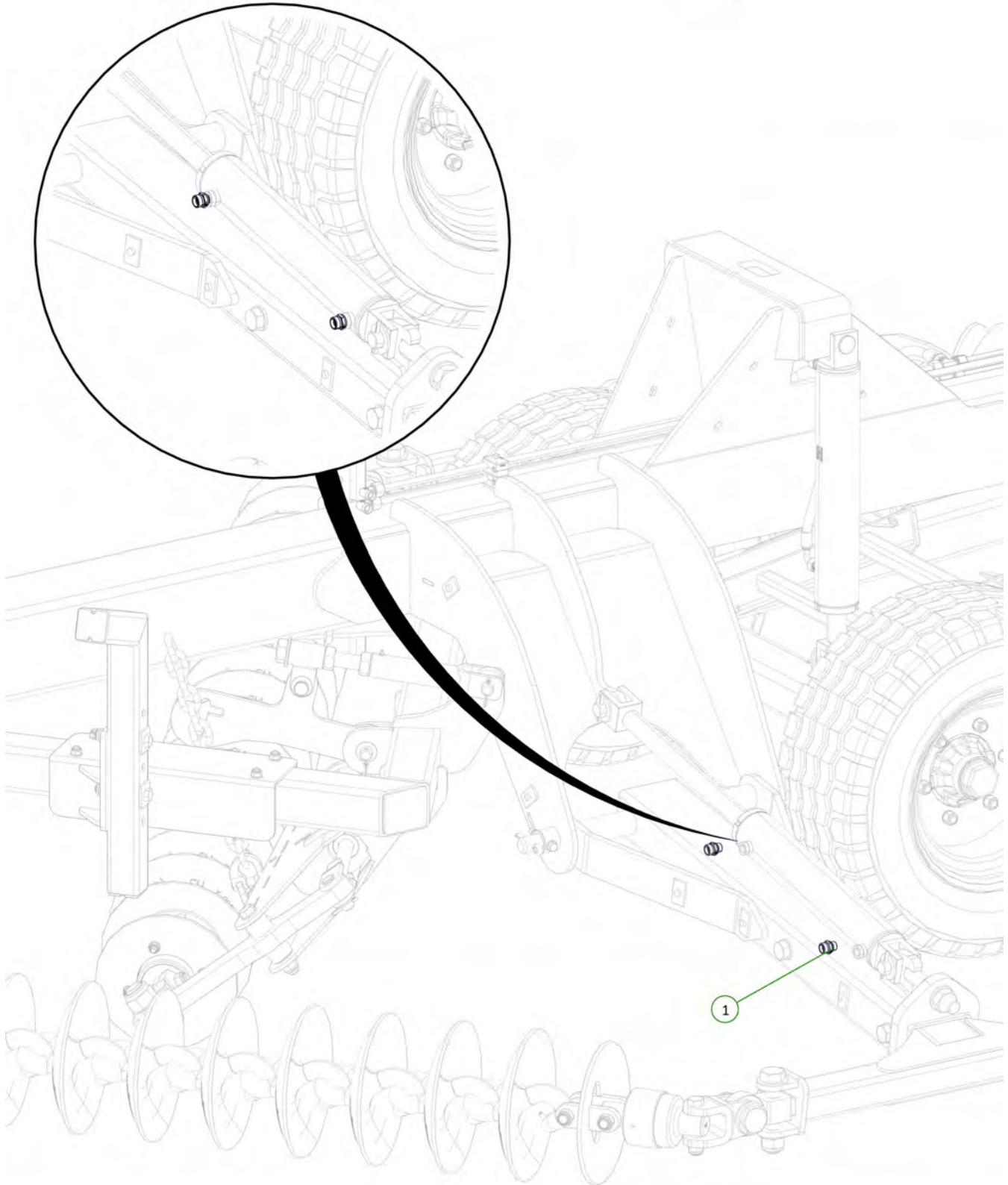
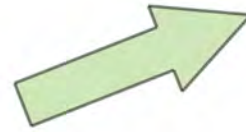
Item No.	Description	Number	Qty
1	Wing Fold Tee to Right Hand Wing Cylinder	1502-HP1204-14	2
2	Clamp Body Size 2D Ø15mm Twin Series Polypropylene	0325-215-15-PP	4
3	Cover Plate Twin Series Size 2D	0325-GD-2D-W3	2
4	Double Clamp Stacking Plate (Non Ryco)	0325-SI-2-5D-W3	2
5	Hexagon Head Bolt Twin Series Size 2D	0325-AS-M8X35-DIN931-933-8.8-W3	2
6	Stacking Bolt Twin Series Size 2D M8x20	0325-AF-2D-M-W3	2



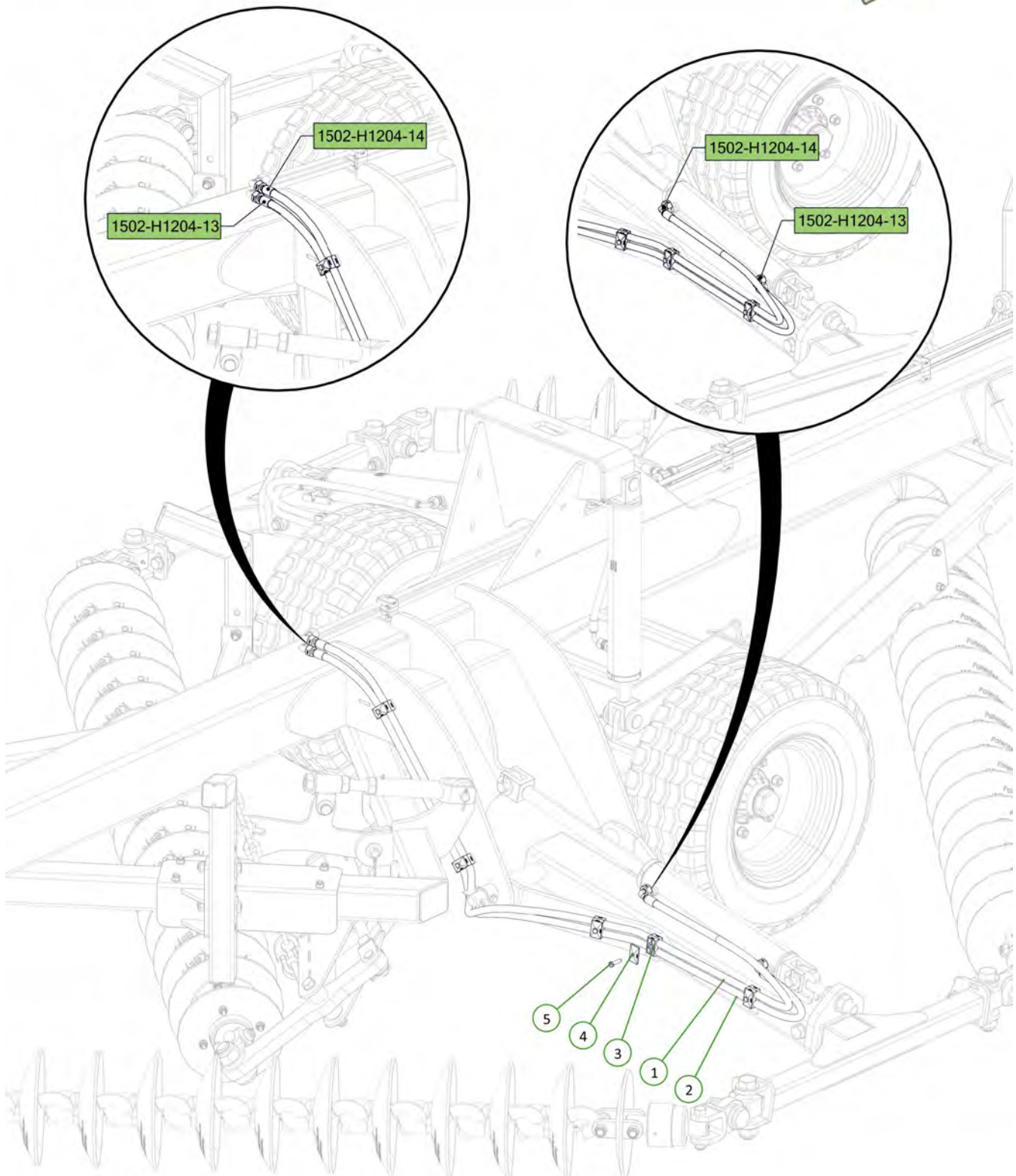
Item No.	Description	Number	Qty
1	L15 Union Elbow	0323-24-E-L15	2



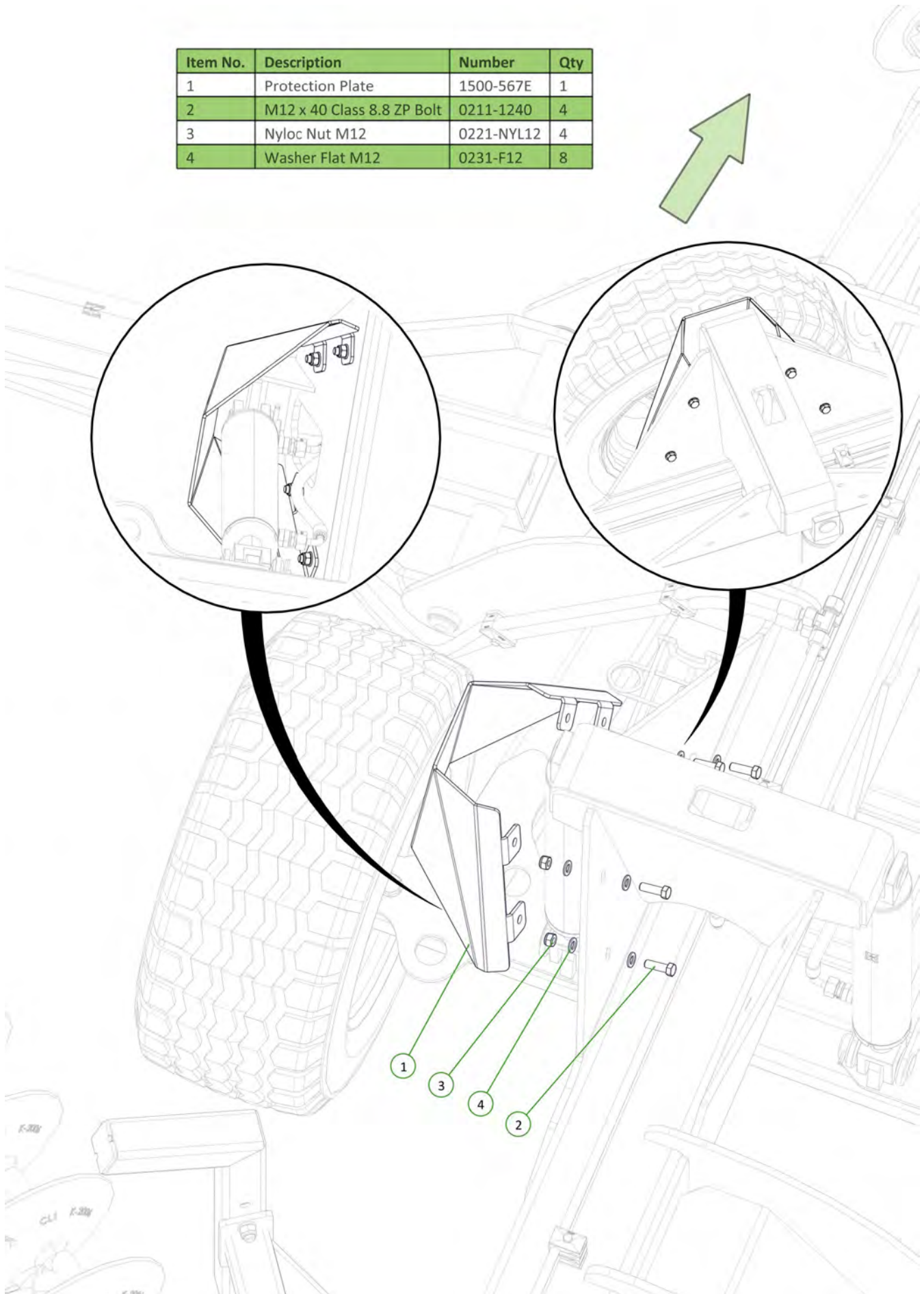
Item No.	Description	Number	Qty
1	Adaptor	0323-24-SDS-L15-M18E	2



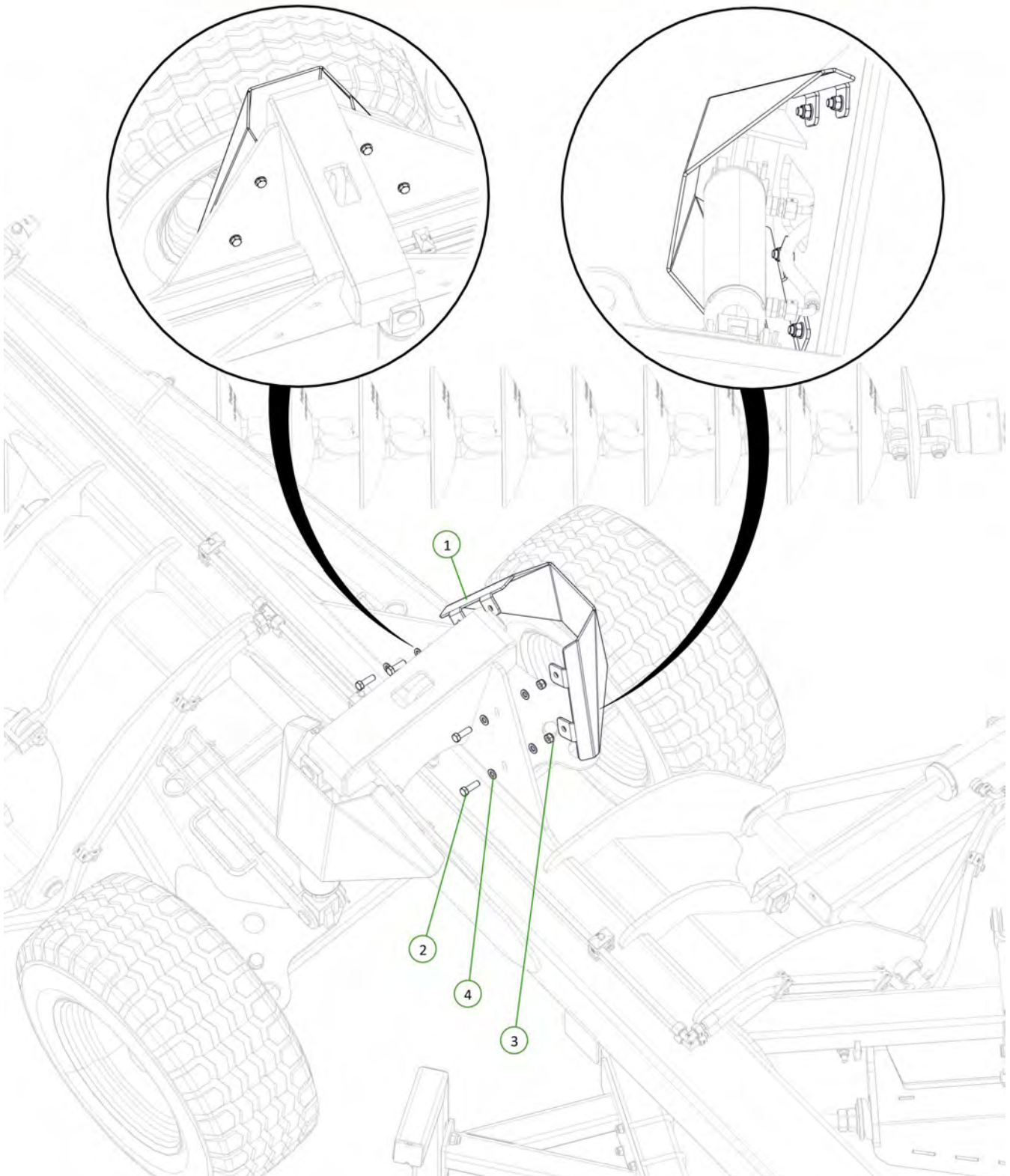
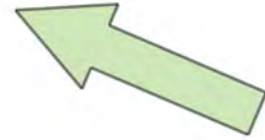
Item No.	Description	Number	Qty
1	Wing Fold Tee to Right Hand Wing Cylinder Retract Port	1502-H1204-14	1
2	Wing Unfold Tee to Right Hand Wing Cylinder Extend Port	1502-H1204-13	1
3	Clamp Body Size 2D Ø17,2mm Twin Series Polypropylene	0325-217.2-17.2-PP	5
4	Cover Plate Twin Series Size 2D	0325-GD-2D-W3	5
5	Hexagon Head Bolt Twin Series Size 2D	0325-AS-M8X35-DIN931-933-8.8-W3	5

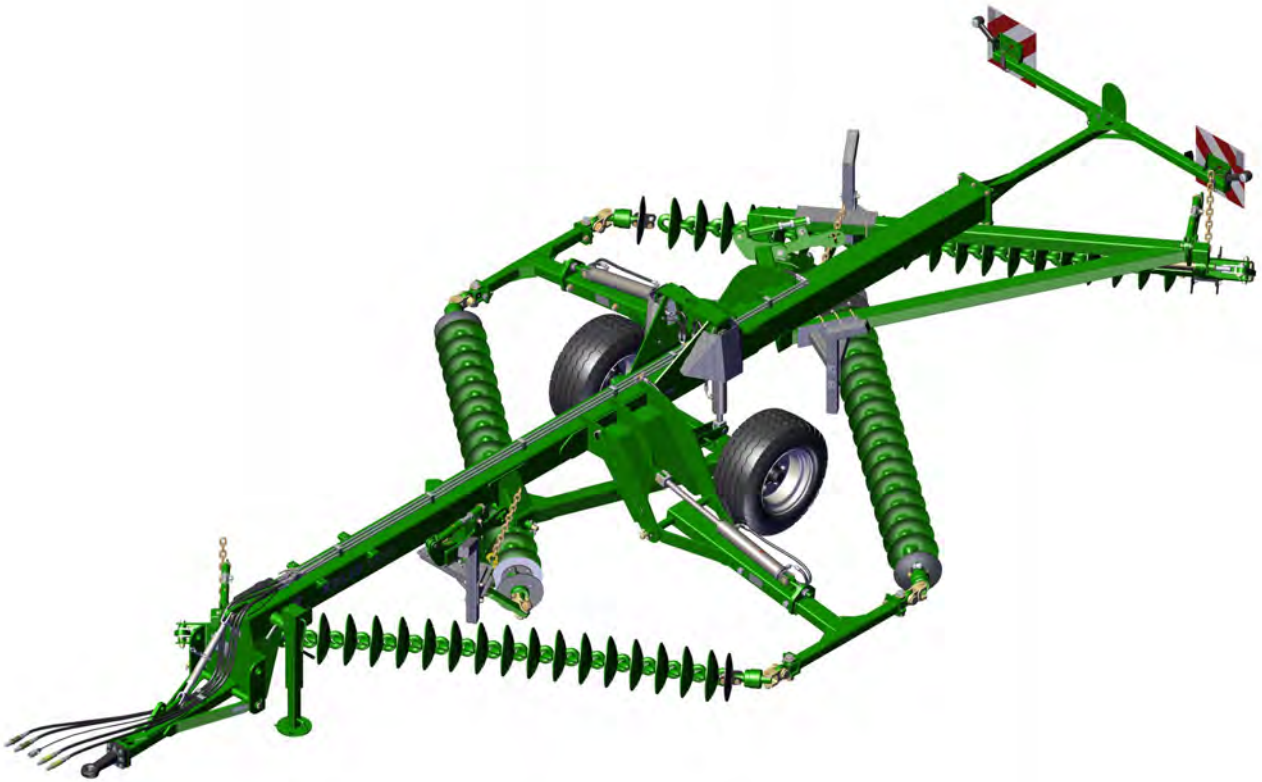


Item No.	Description	Number	Qty
1	Protection Plate	1500-567E	1
2	M12 x 40 Class 8.8 ZP Bolt	0211-1240	4
3	Nyloc Nut M12	0221-NYL12	4
4	Washer Flat M12	0231-F12	8



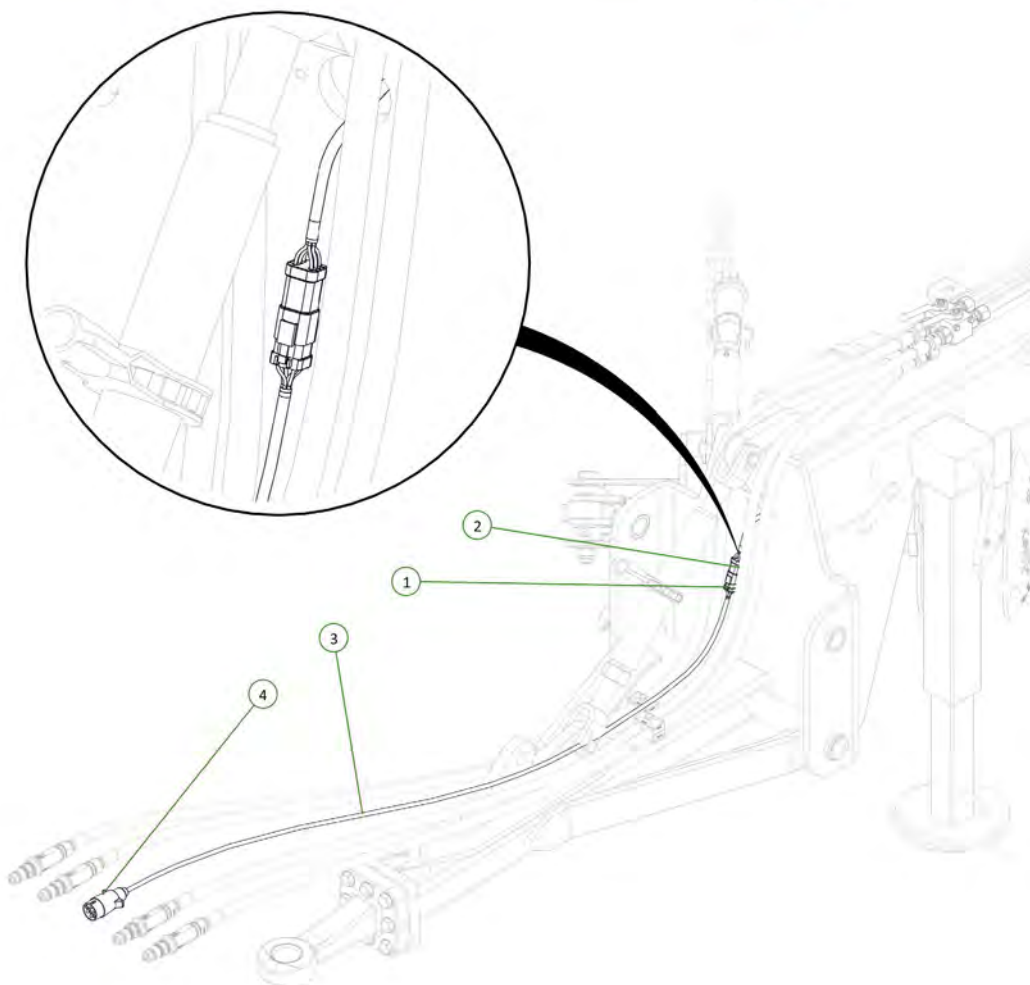
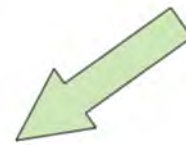
Item No.	Description	Number	Qty
1	Protection Plate	1500-567E	1
2	M12 x 40 Class 8.8 ZP Bolt	0211-1240	4
3	Nyloc Nut M12	0221-NYL12	4
4	Washer Flat M12	0231-F12	8



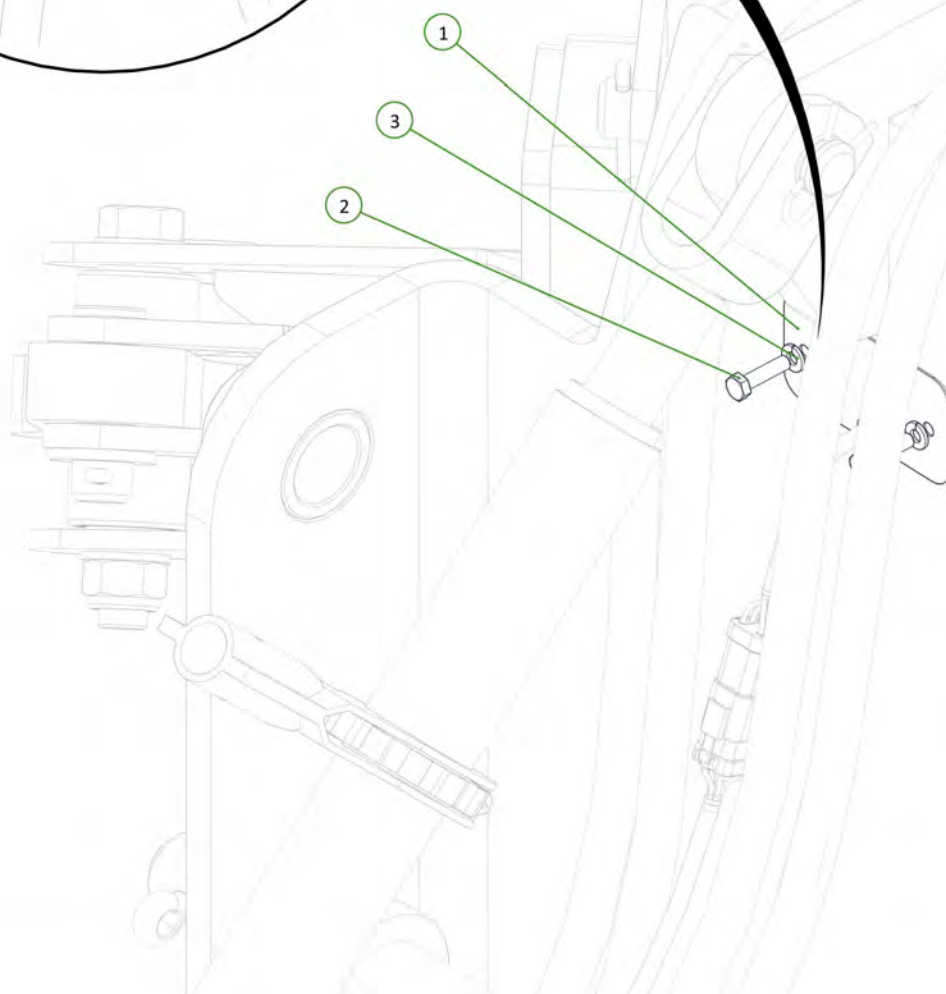
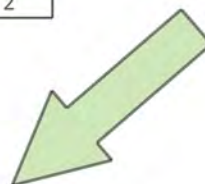
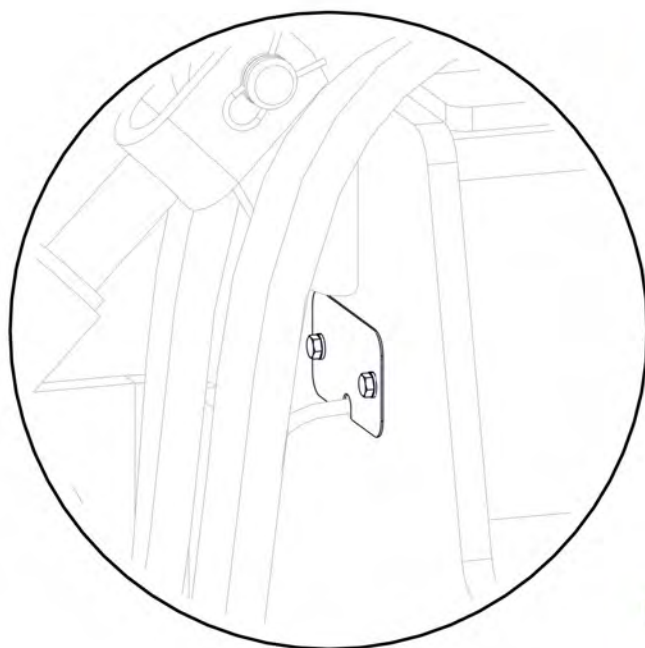


Section 3 - Light Kits

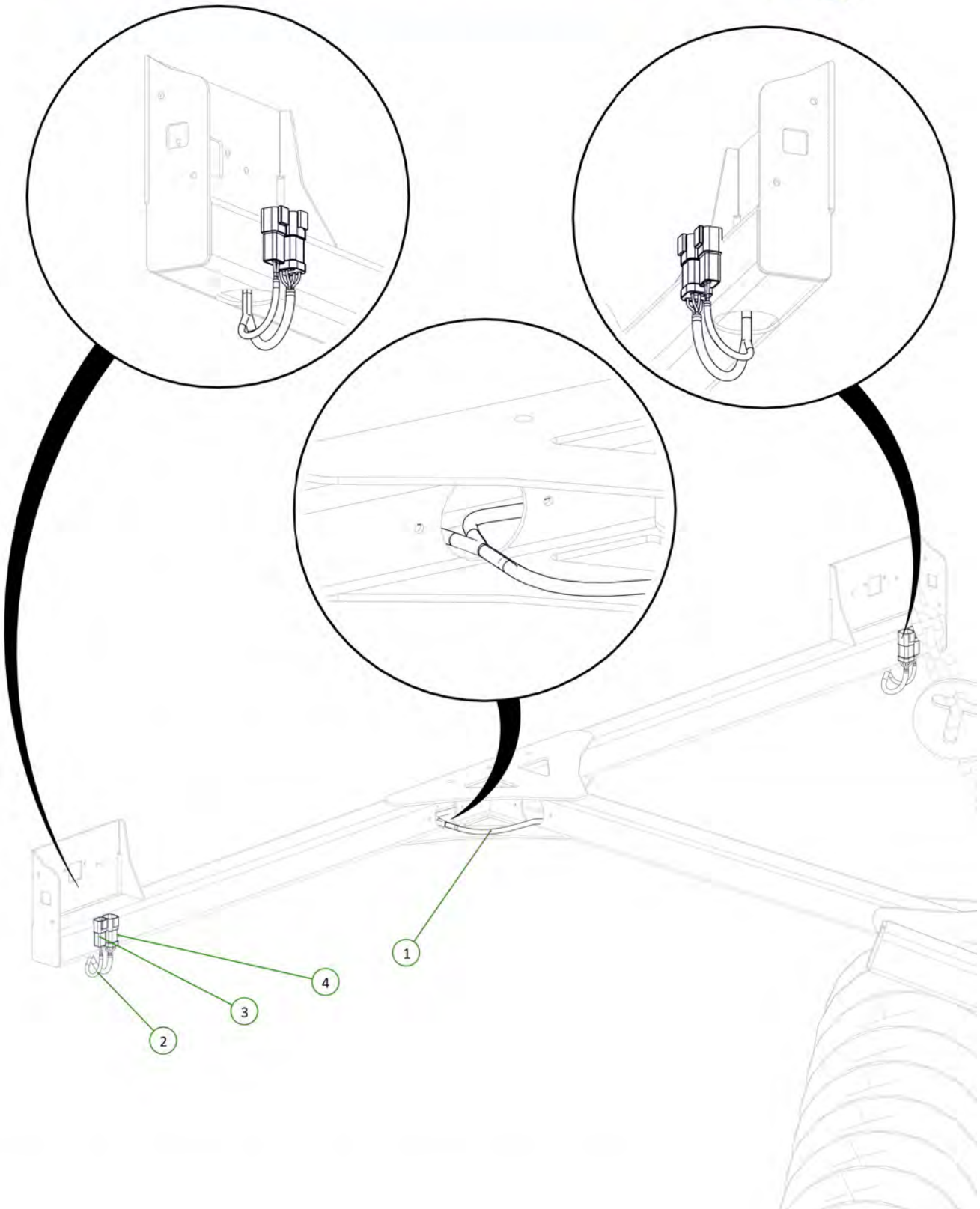
Item No.	Description	Number	Qty
1	Deutsch DT Series 6 Pin Connector Female	0413-DT06-6S	1
2	Deutsch DT Series 6 Pin Connector Male	0413-DT06-6P	1
3	Sheathed 5 Core Wire 3mm	0411-5C3MM	1
4	Metal 7 Pin Plug	0413-82161	1



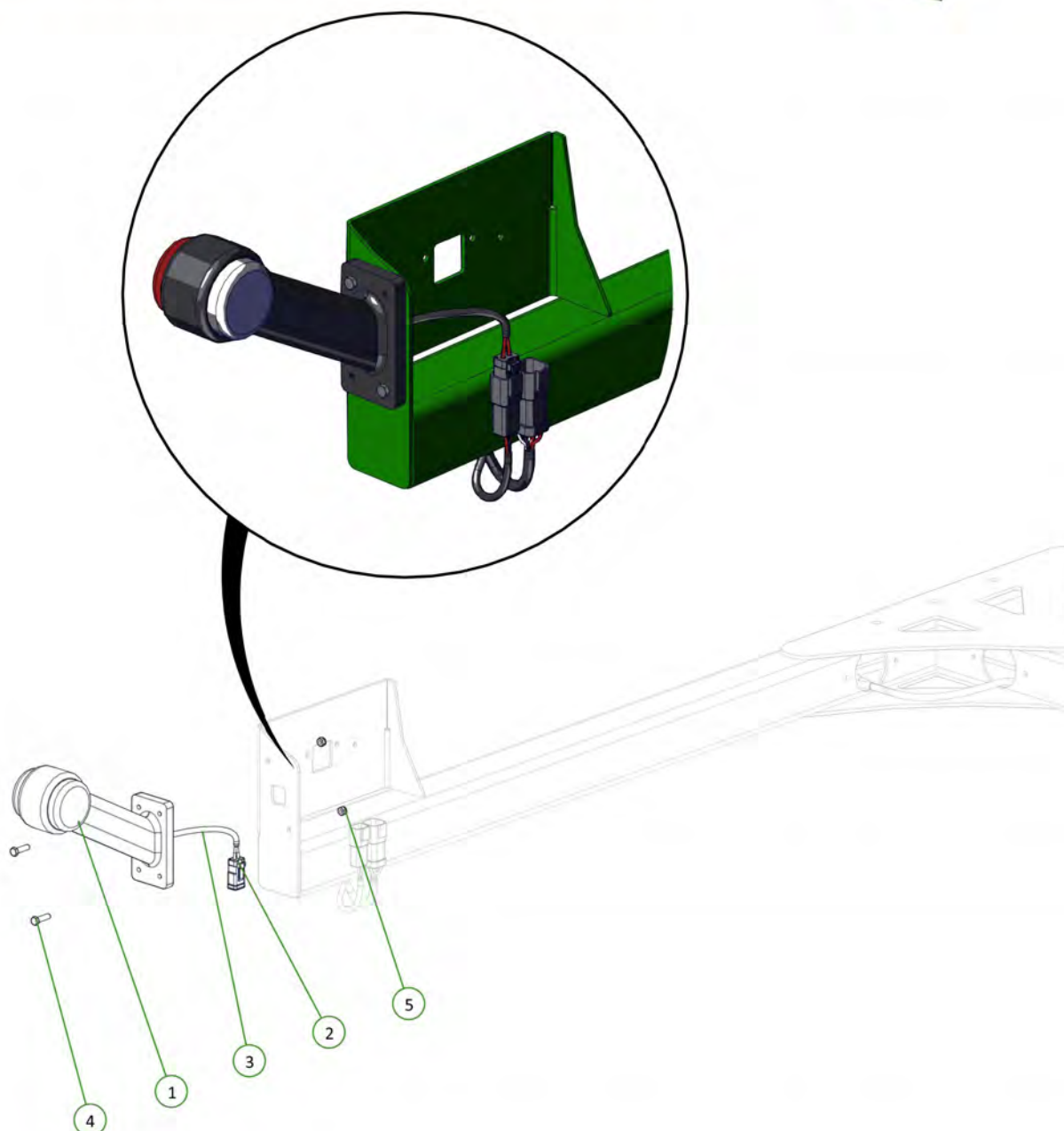
Item No.	Description	Number	Qty
1	Wiring capping plate	1500-122	1
2	M6 x 25 Class 8.8 ZP Bolt	0211-625	2
3	Washer Spring M6	0231-S6	2



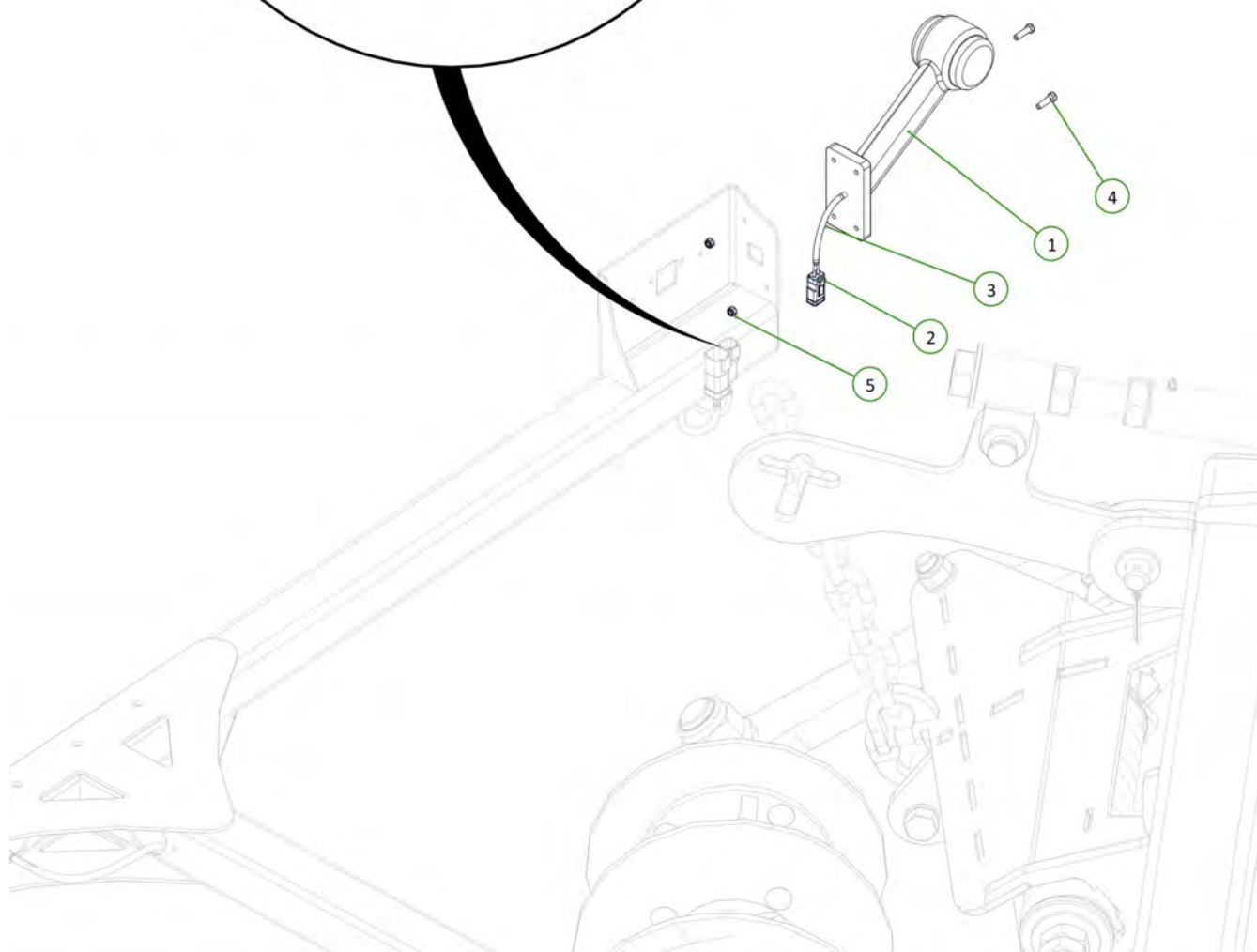
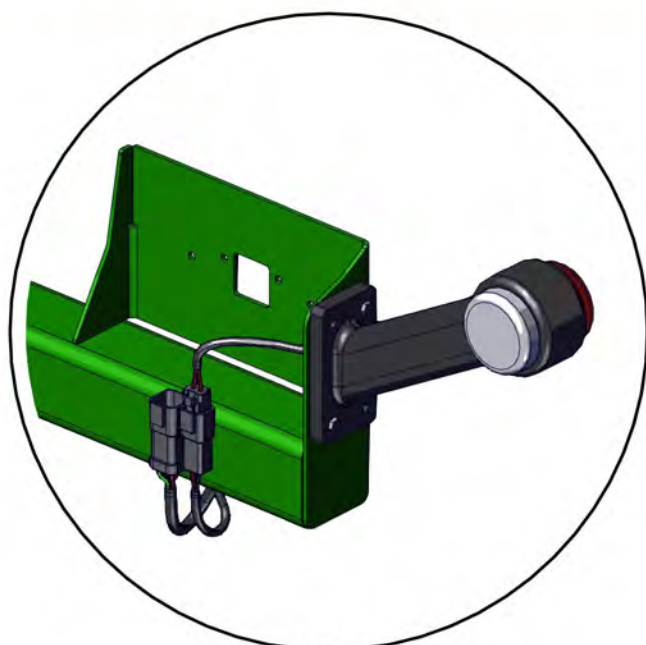
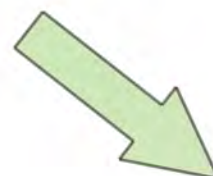
Item No.	Description	Number	Qty
1	Sheathed 5 Core Wire 3mm	0411-5C3MM	1
2	Sheathed 2 Core Wire 3mm	0411-2C3MM	1
3	Deutsch DT Series 2 Pin Connector Male	0413-DT06-2P	2
4	Deutsch DT Series 6 Pin Connector Male	0413-DT06-6P	2



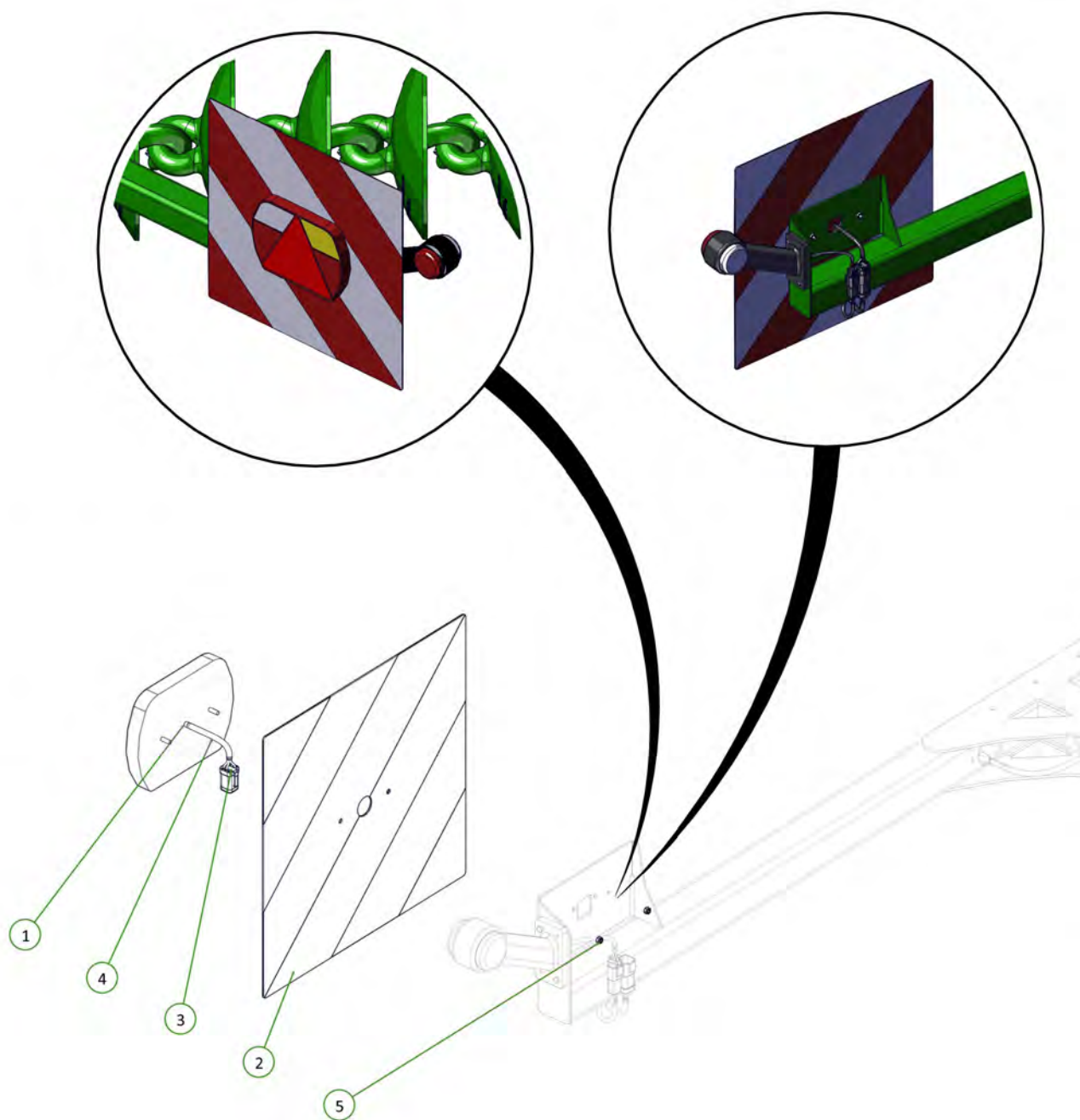
Item No.	Description	Number	Qty
1	LED Rubber Stalk Side Marker Lamp Right	0412-1004R	1
2	Deutsch DT Series 2 Pin Connector Female	0413-DT06-2S	1
3	Sheathed 2 Core Wire 3mm	0411-2C3MM	1
4	M5 x 20mm Class 8.8 ZP Bolt	0211-520	2
5	Nyloc Nut M5	0221-NYL5	2



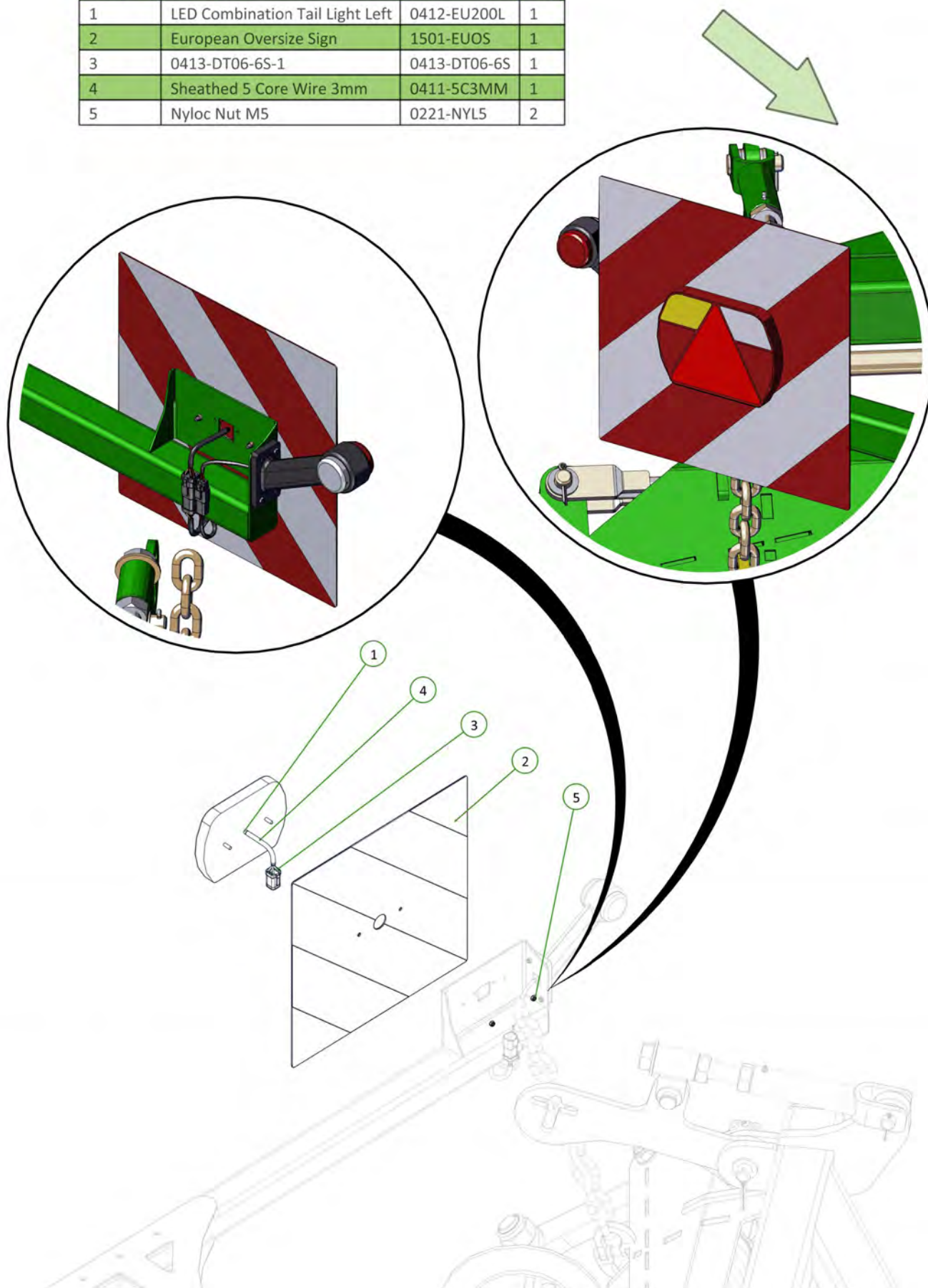
Item No.	Description	Number	Qty
1	LED Rubber Stalk Side Marker Lamp Left	0412-1004L	1
2	Deutsch DT Series 2 Pin Connector Female	0413-DT06-2S	1
3	Sheathed 2 Core Wire 3mm	0411-2C3MM	1
4	M5 x 20mm Class 8.8 ZP Bolt	0211-520	2
5	Nyloc Nut M5	0221-NYL5	2



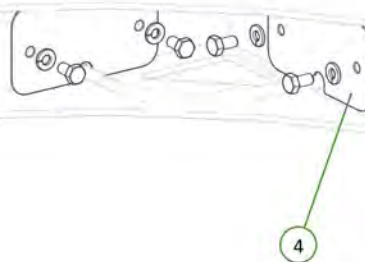
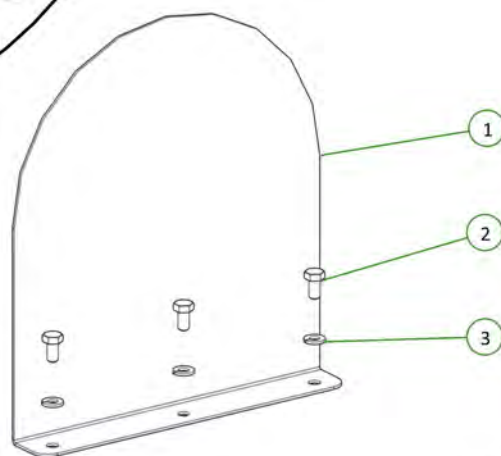
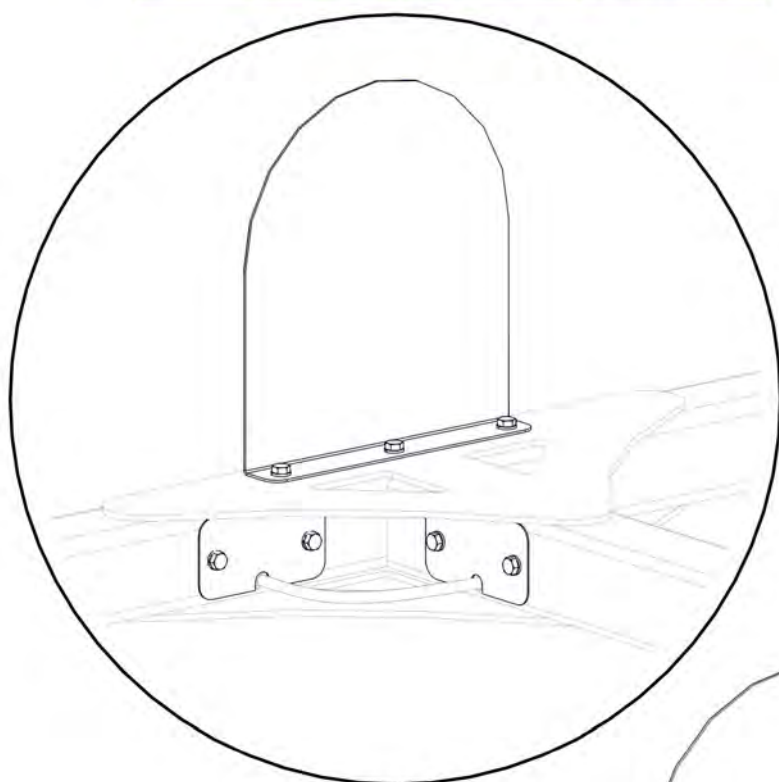
Item No.	Description	Number	Qty
1	LED Combination Tail Light Right	0412-EU200R	1
2	European Oversize Sign	1501-EUOS	1
3	Deutsch DT Series 6 Pin Connector Female	0413-DT06-6S	1
4	Sheathed 5 Core Wire 3mm	0411-5C3MM	1
5	Nyloc Nut M5	0221-NYL5	2

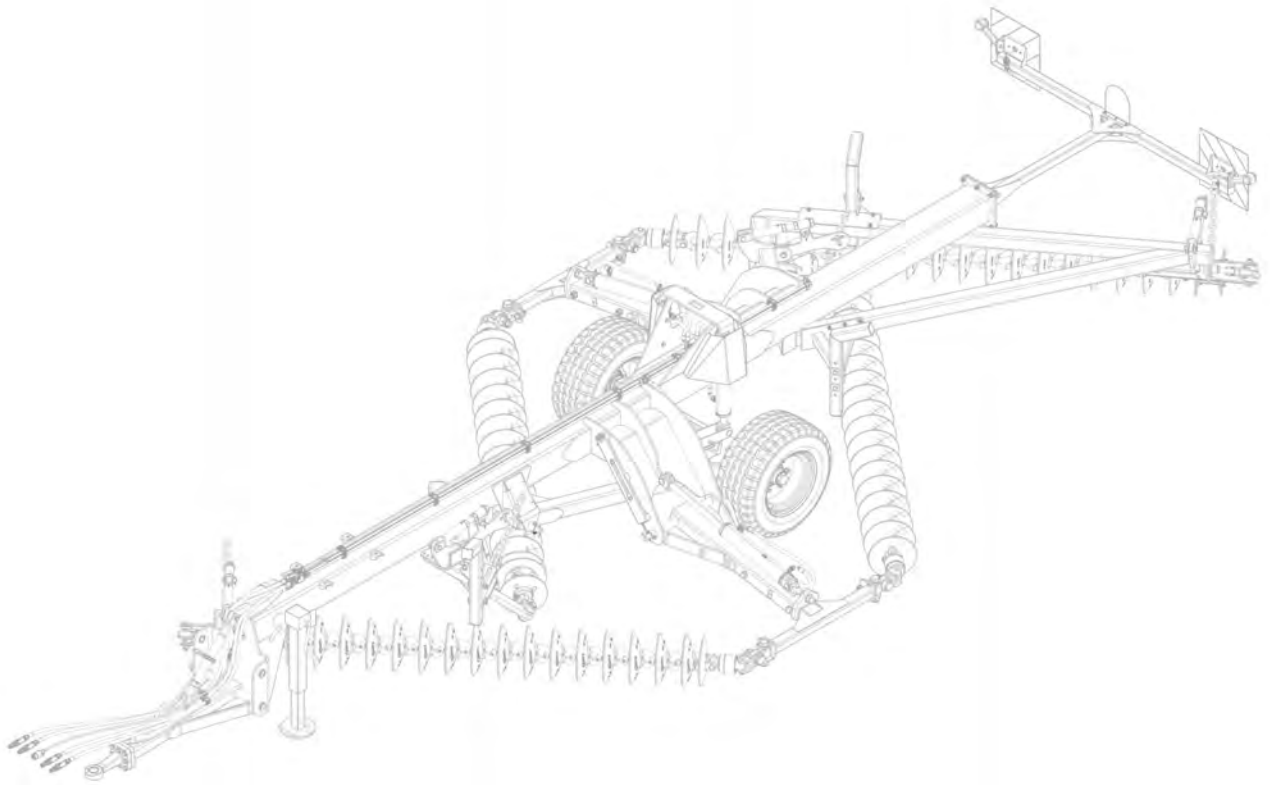


Item No.	Description	Number	Qty
1	LED Combination Tail Light Left	0412-EU200L	1
2	European Oversize Sign	1501-EUOS	1
3	0413-DT06-6S-1	0413-DT06-6S	1
4	Sheathed 5 Core Wire 3mm	0411-5C3MM	1
5	Nyloc Nut M5	0221-NYL5	2



Item No.	Description	Number	Qty
1	Speed Limit Sign Backing Plate	1500-335	1
2	M6 Class 8.8 ZP Bolt	0211-612	7
3	Washer Spring M6	0231-S6	7
4	Wiring capping plate	1500-122	2

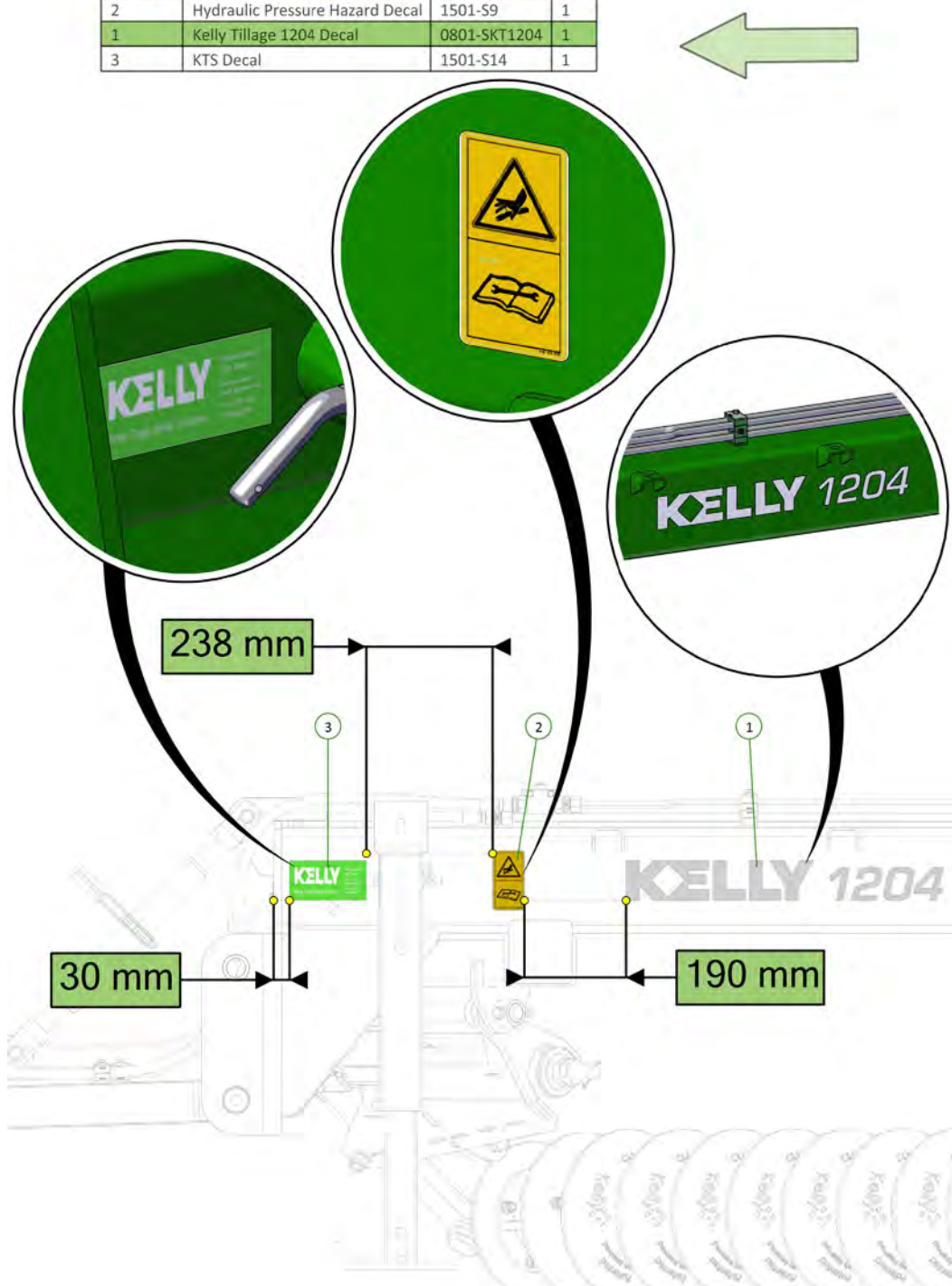




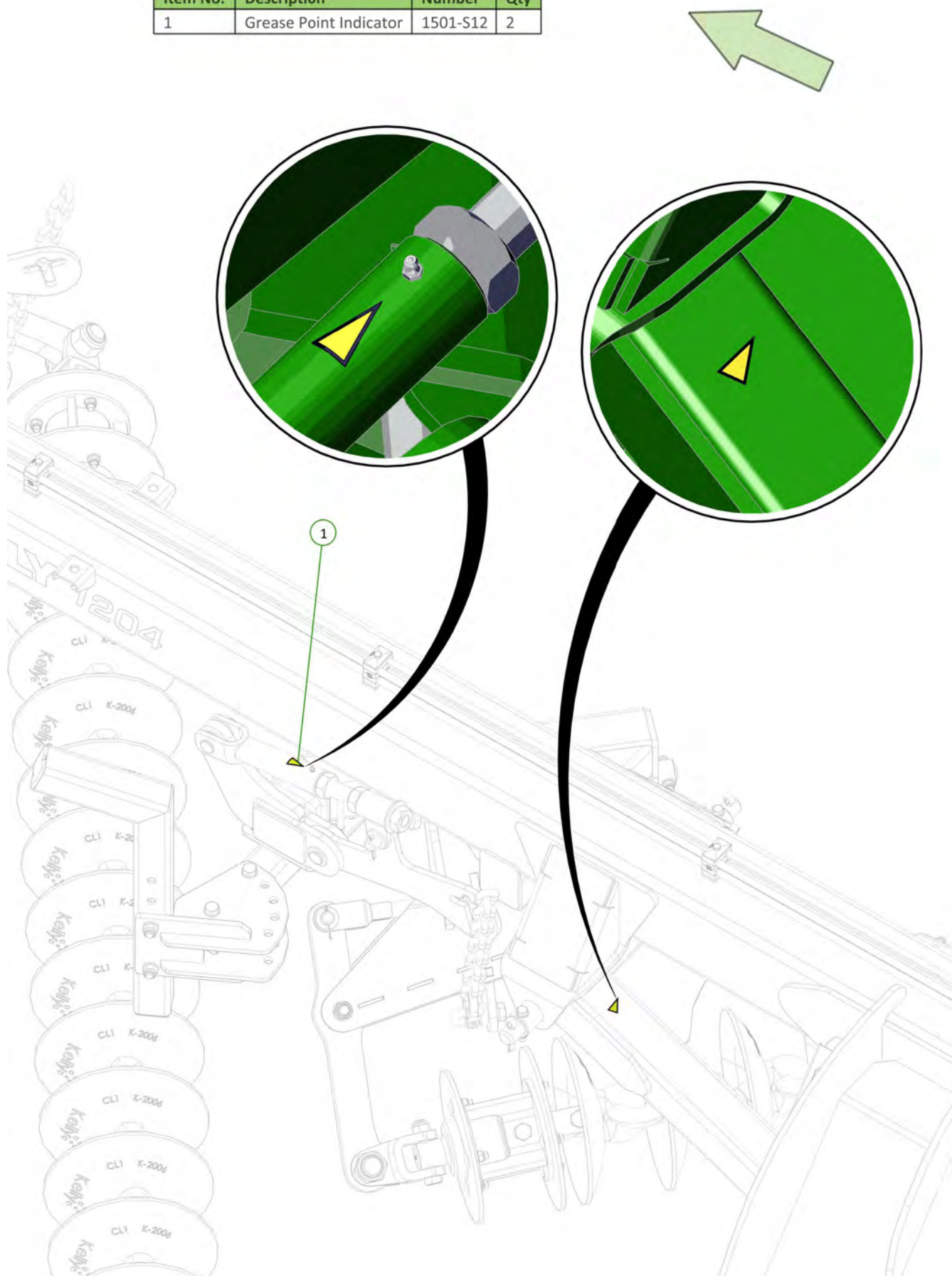


Section 4 - Decal Application

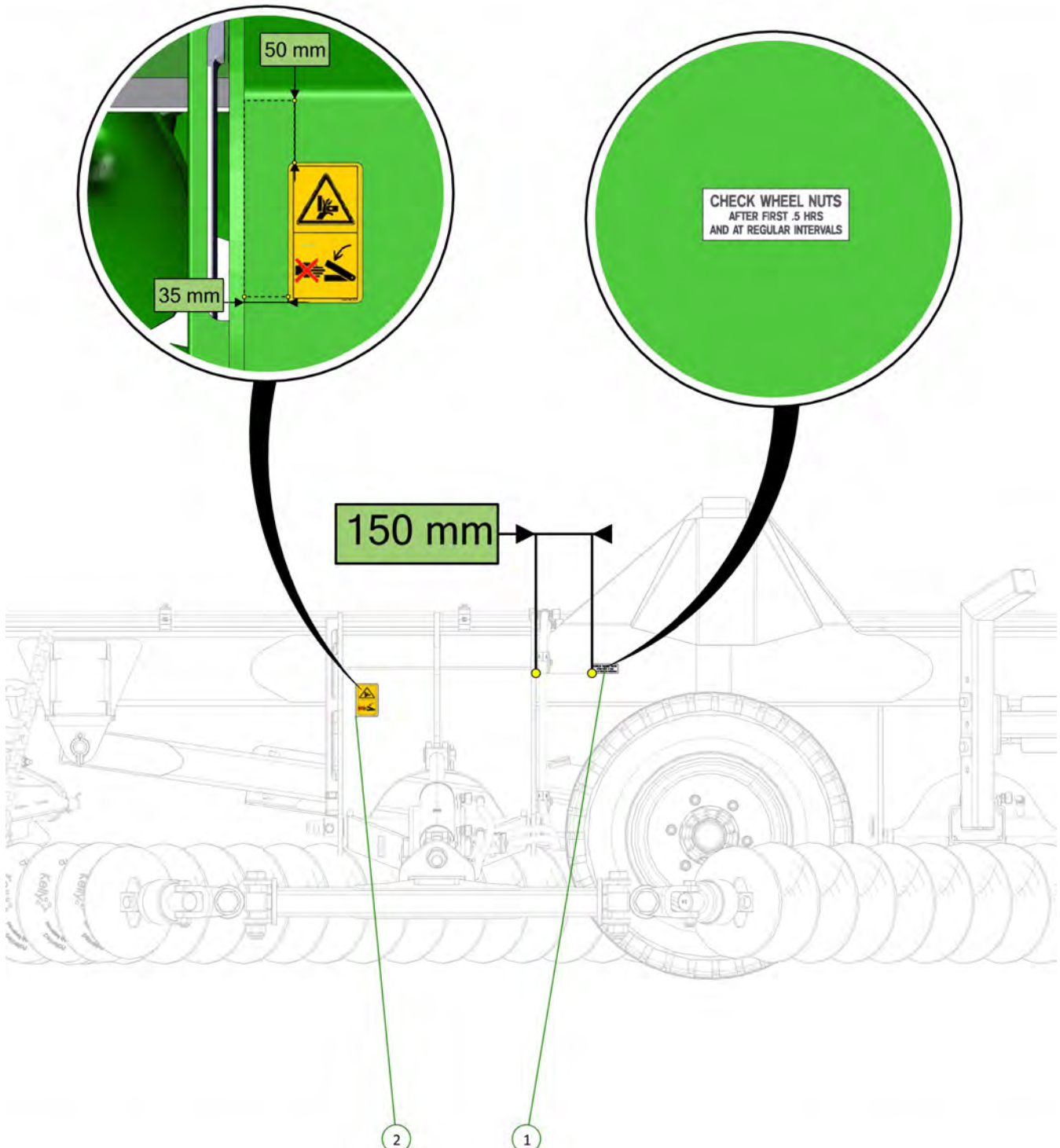
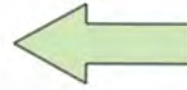
Item No.	Description	Number	Qty
2	Hydraulic Pressure Hazard Decal	1501-S9	1
1	Kelly Tillage 1204 Decal	0801-SKT1204	1
3	KTS Decal	1501-S14	1



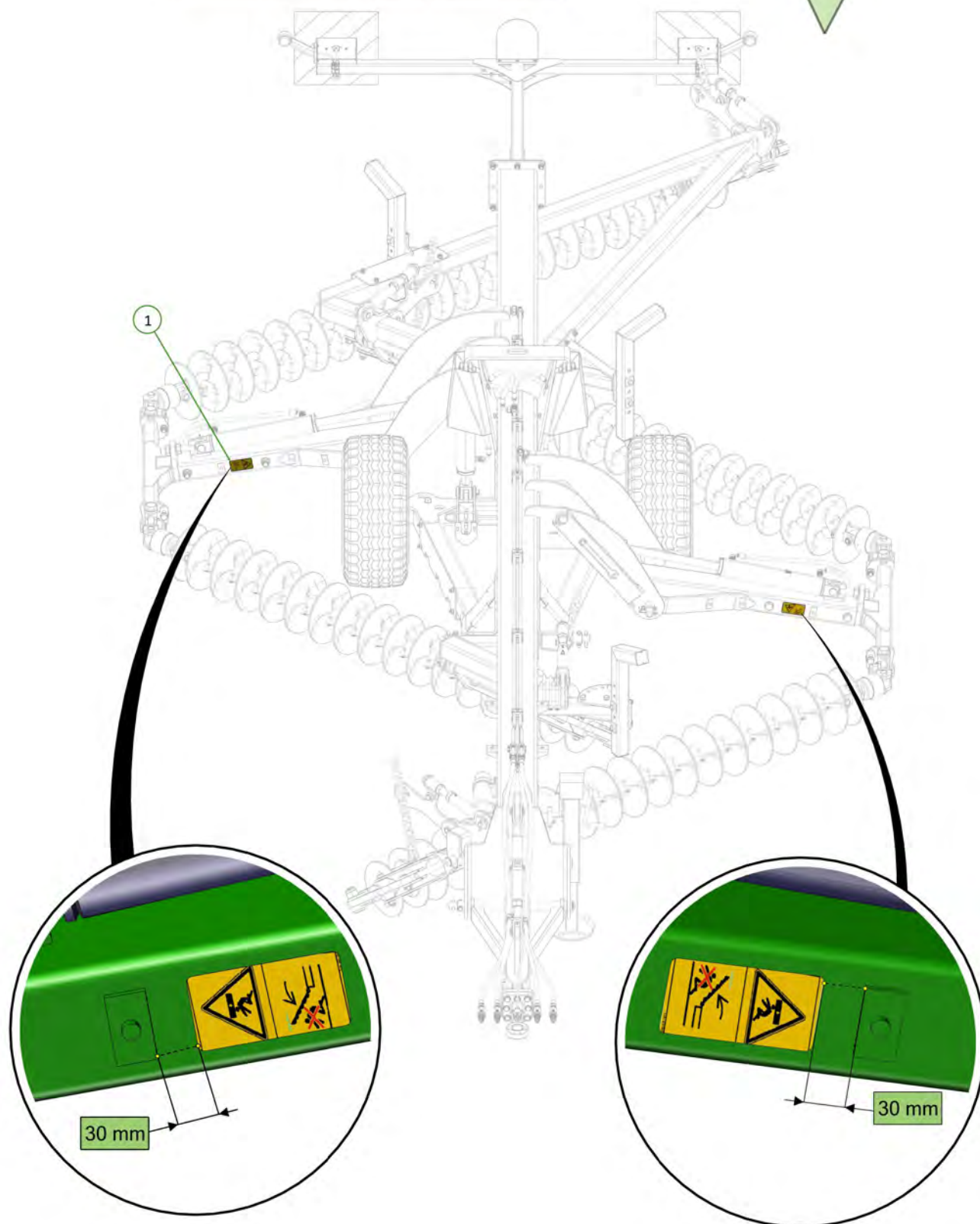
Item No.	Description	Number	Qty
1	Grease Point Indicator	1501-S12	2



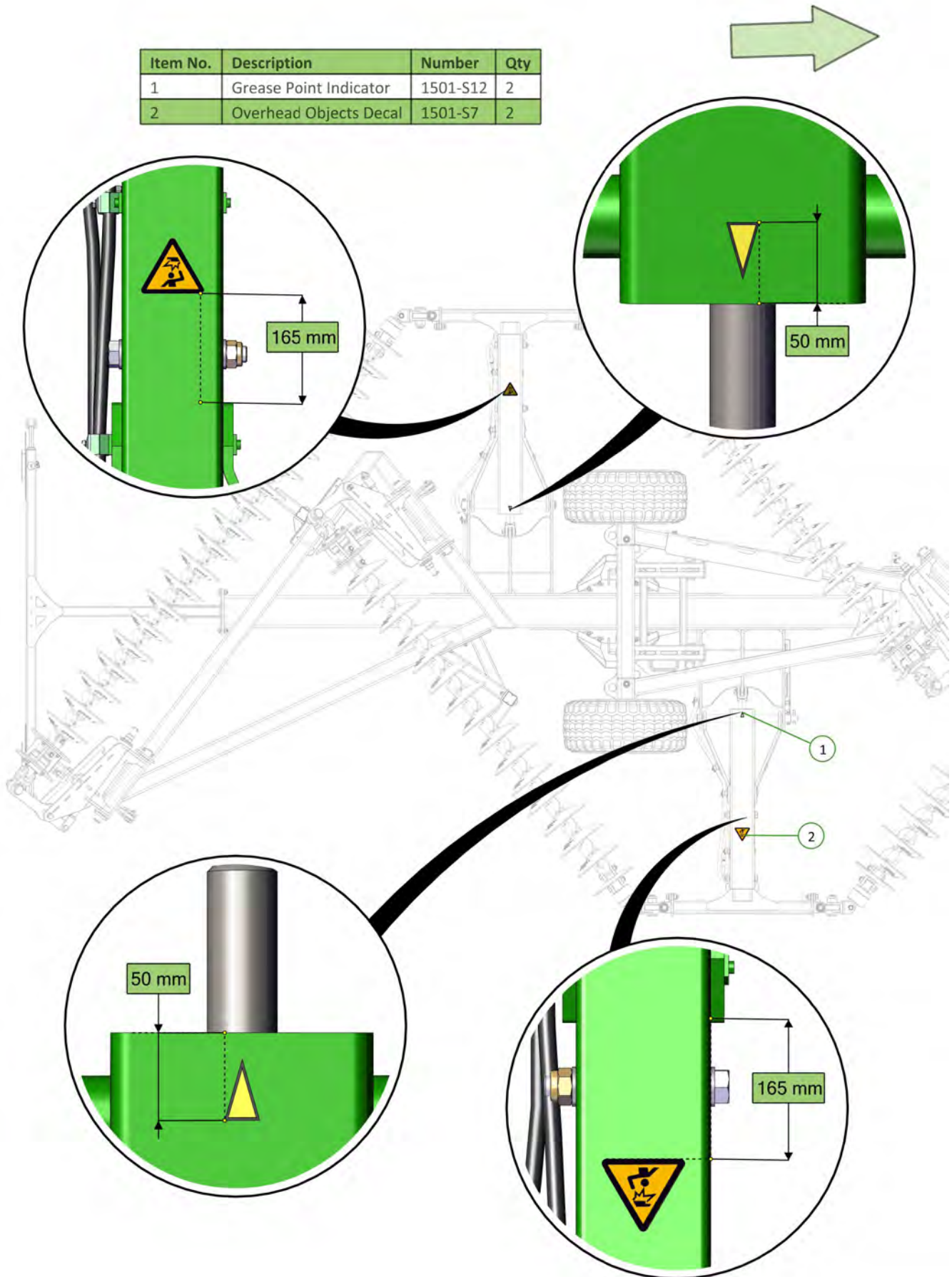
Item No.	Description	Number	Qty
2	Euro Pinch Point Decal	1501-S1	1
1	Wheel Nut Decal	0801-S9	1



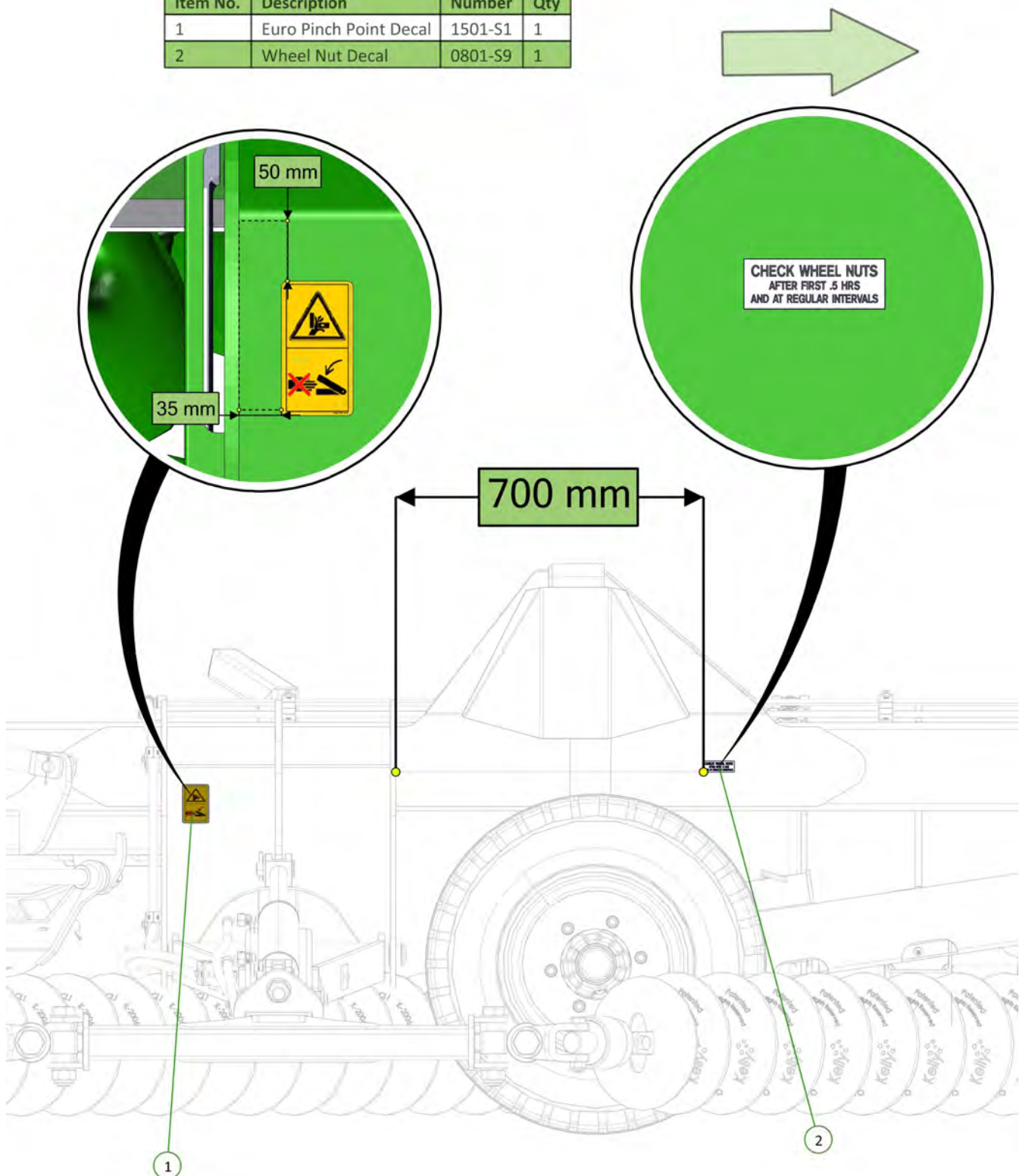
Item No.	Description	Number	Qty
1	Crush Hazard Decal	1501-S6	2



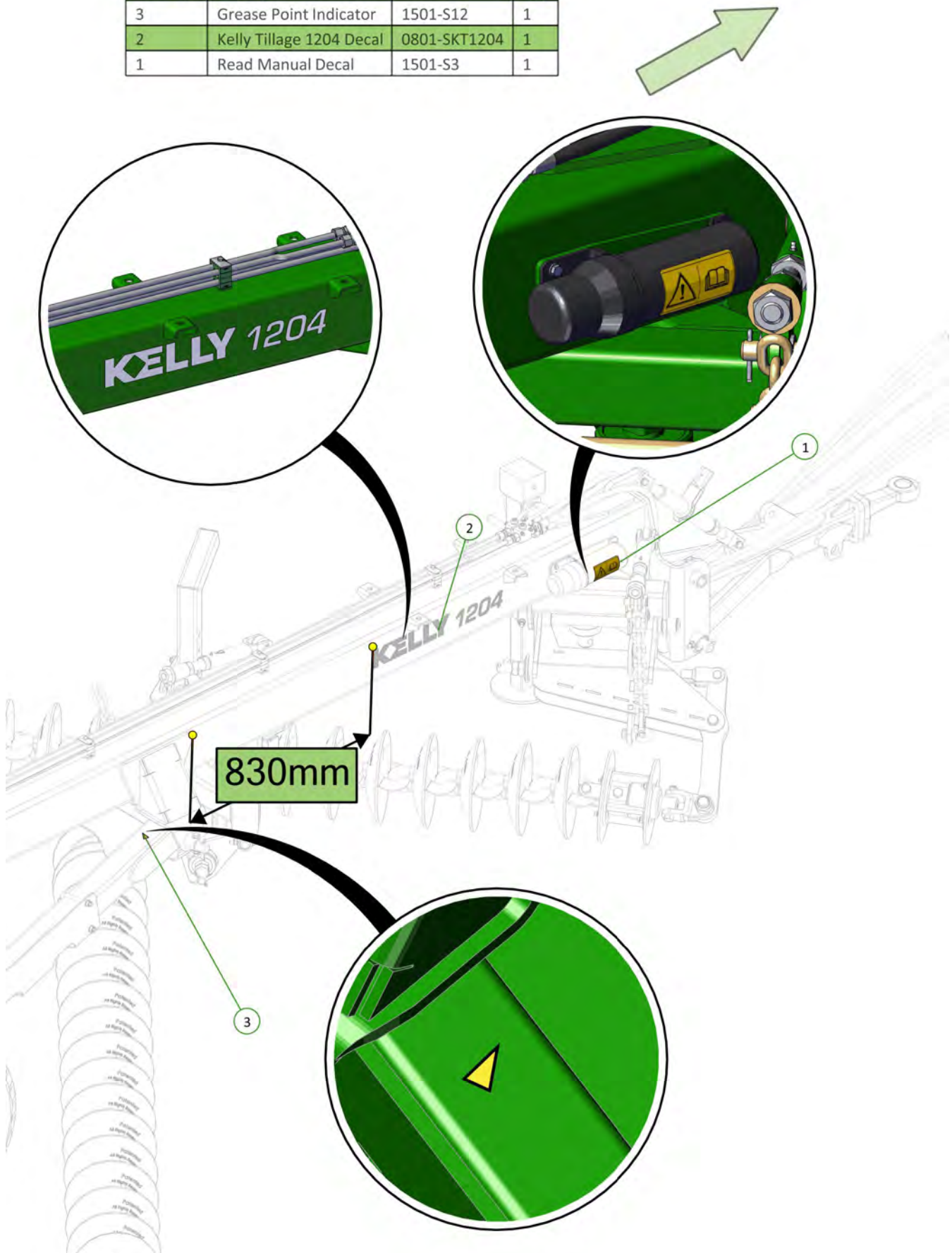
Item No.	Description	Number	Qty
1	Grease Point Indicator	1501-S12	2
2	Overhead Objects Decal	1501-S7	2



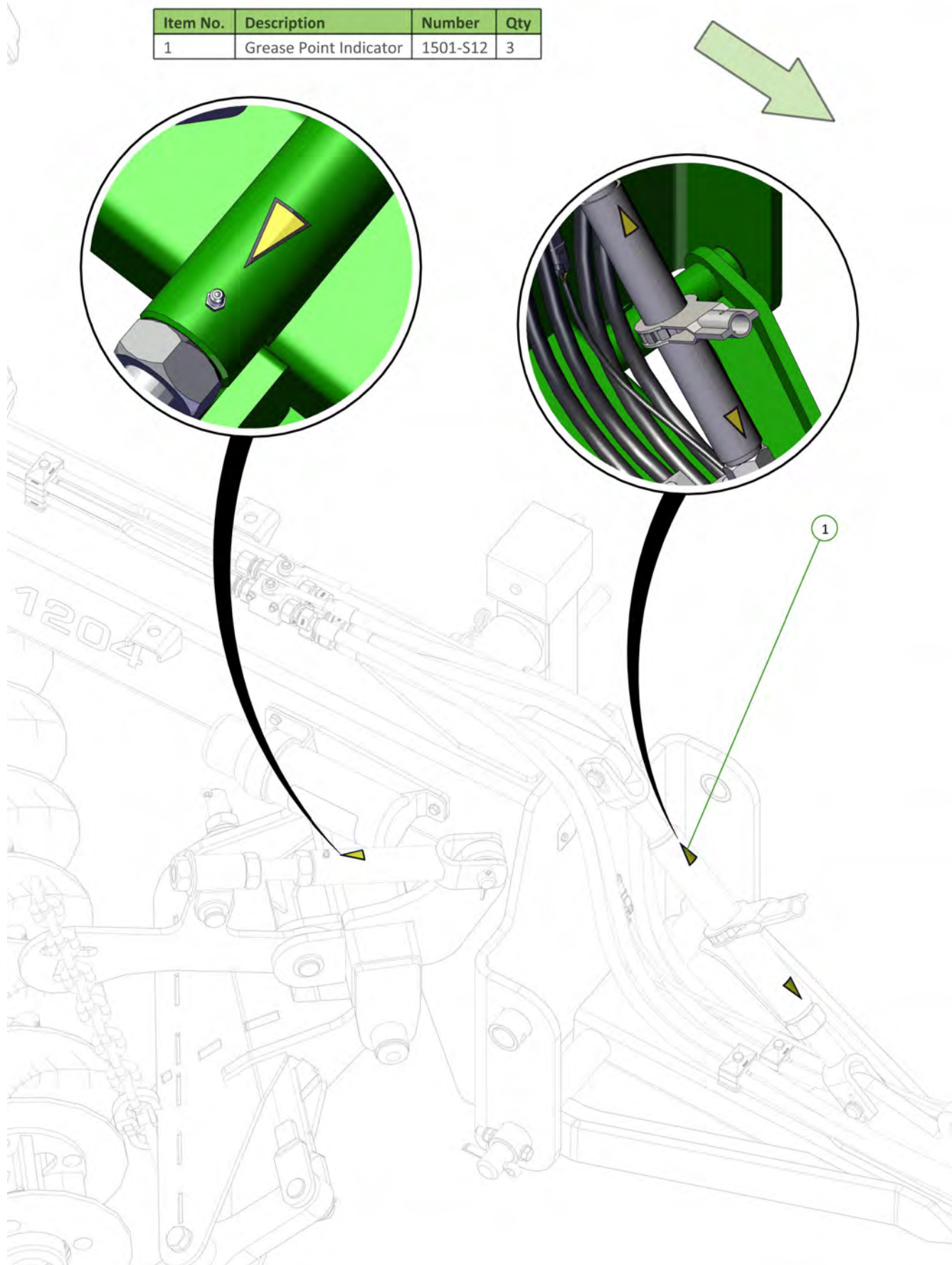
Item No.	Description	Number	Qty
1	Euro Pinch Point Decal	1501-S1	1
2	Wheel Nut Decal	0801-S9	1



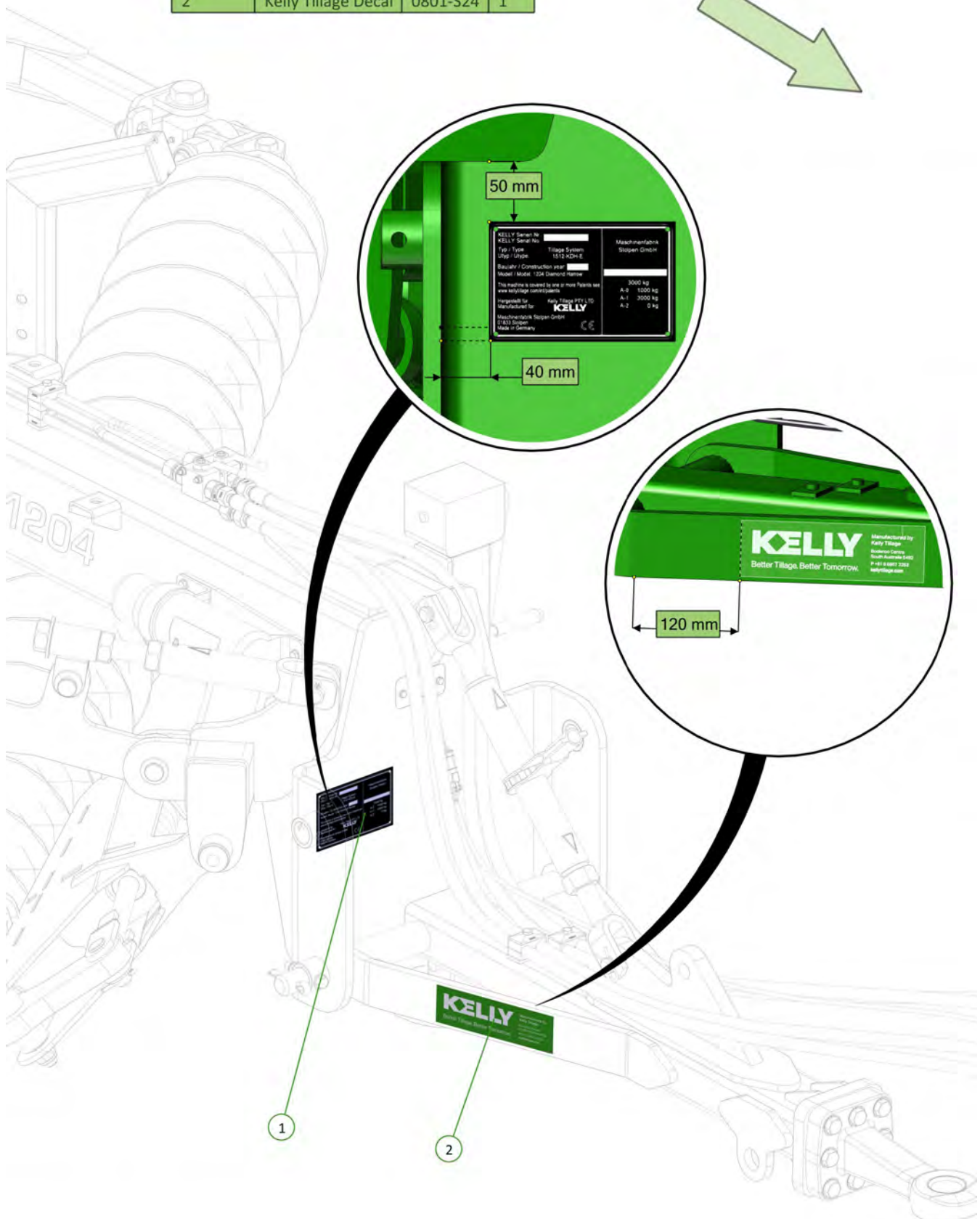
Item No.	Description	Number	Qty
3	Grease Point Indicator	1501-S12	1
2	Kelly Tillage 1204 Decal	0801-SKT1204	1
1	Read Manual Decal	1501-S3	1



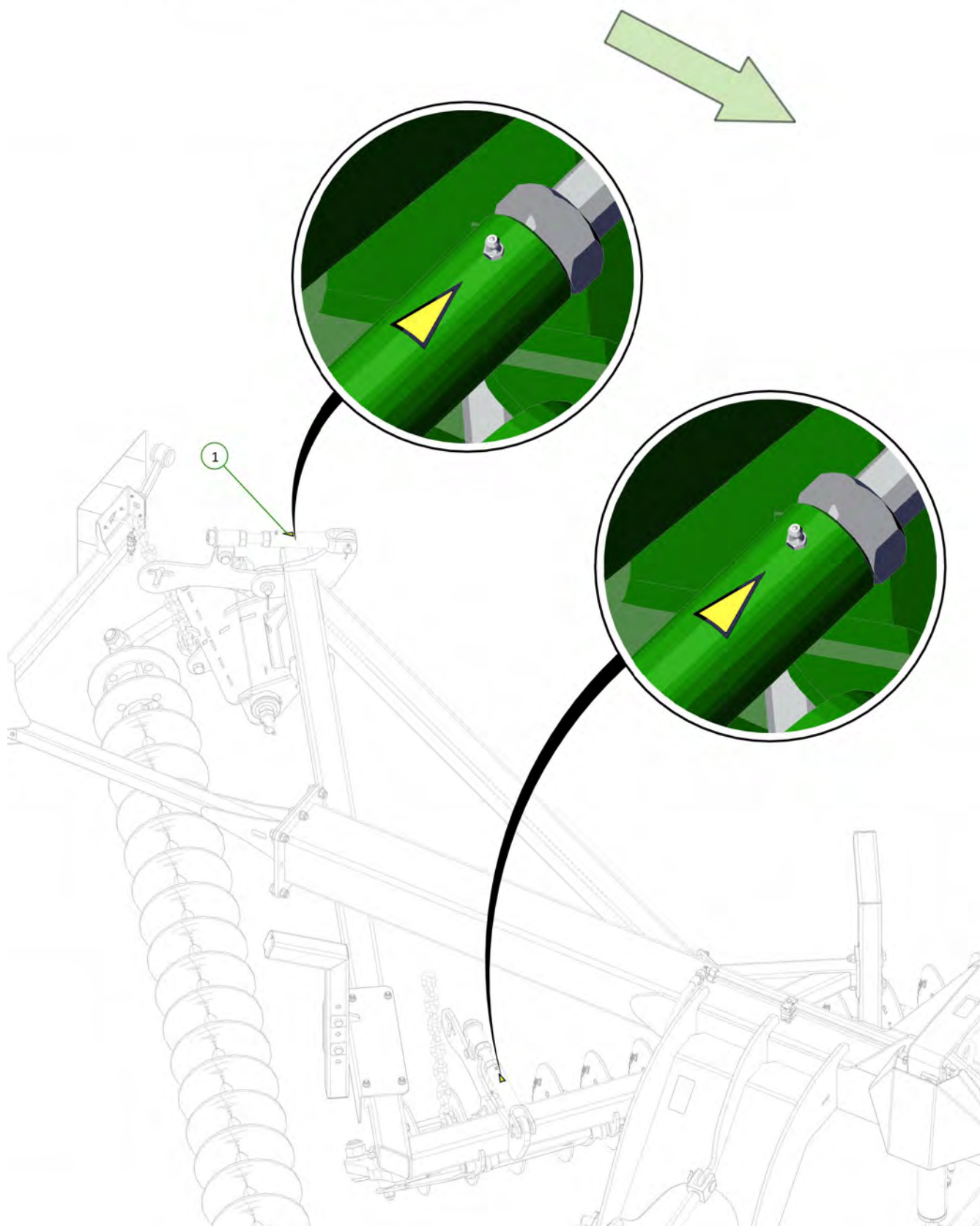
Item No.	Description	Number	Qty
1	Grease Point Indicator	1501-S12	3



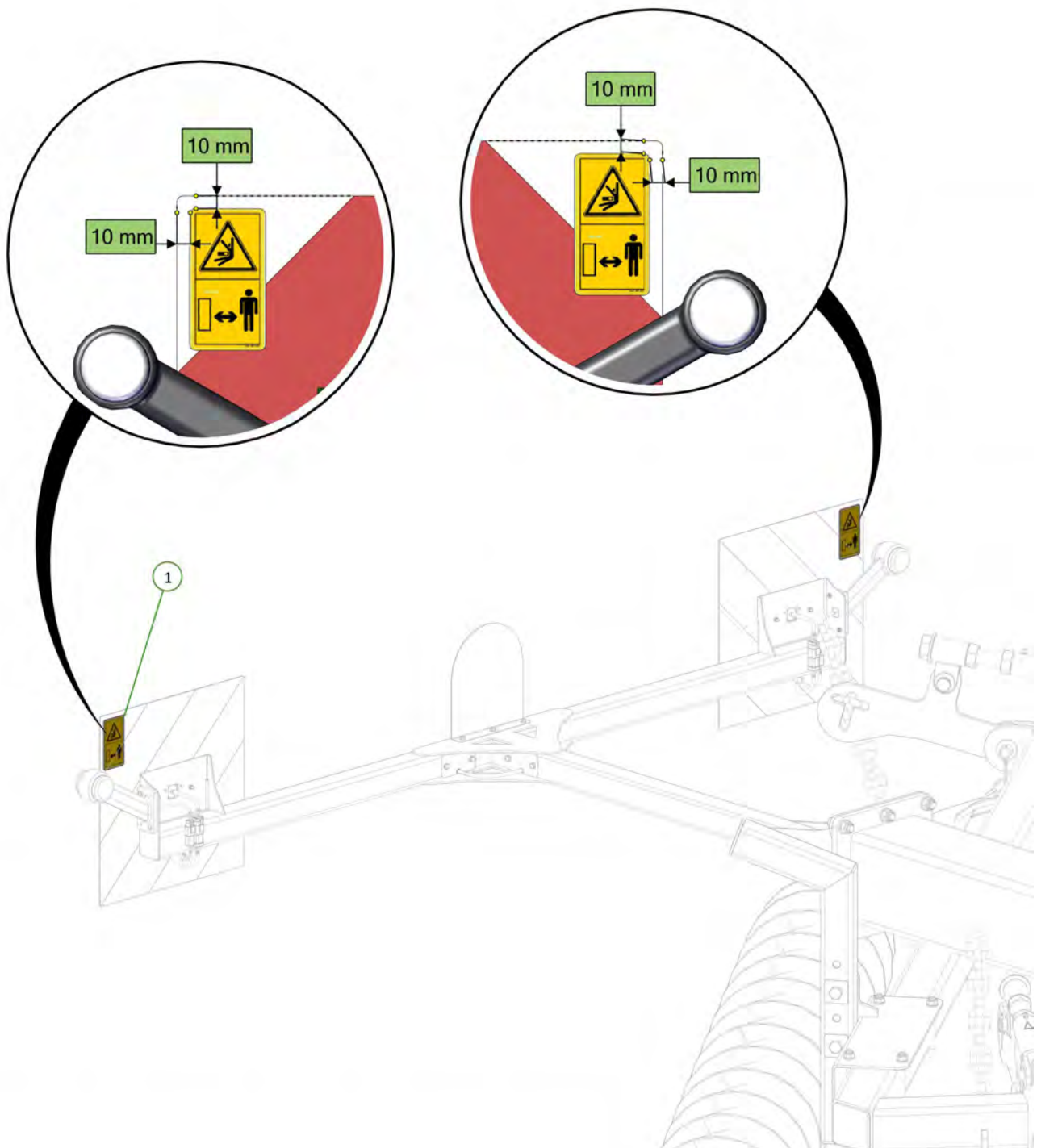
Item No.	Description	Number	Qty
1	1204 Data Plate	1501-020	1
2	Kelly Tillage Decal	0801-S24	1



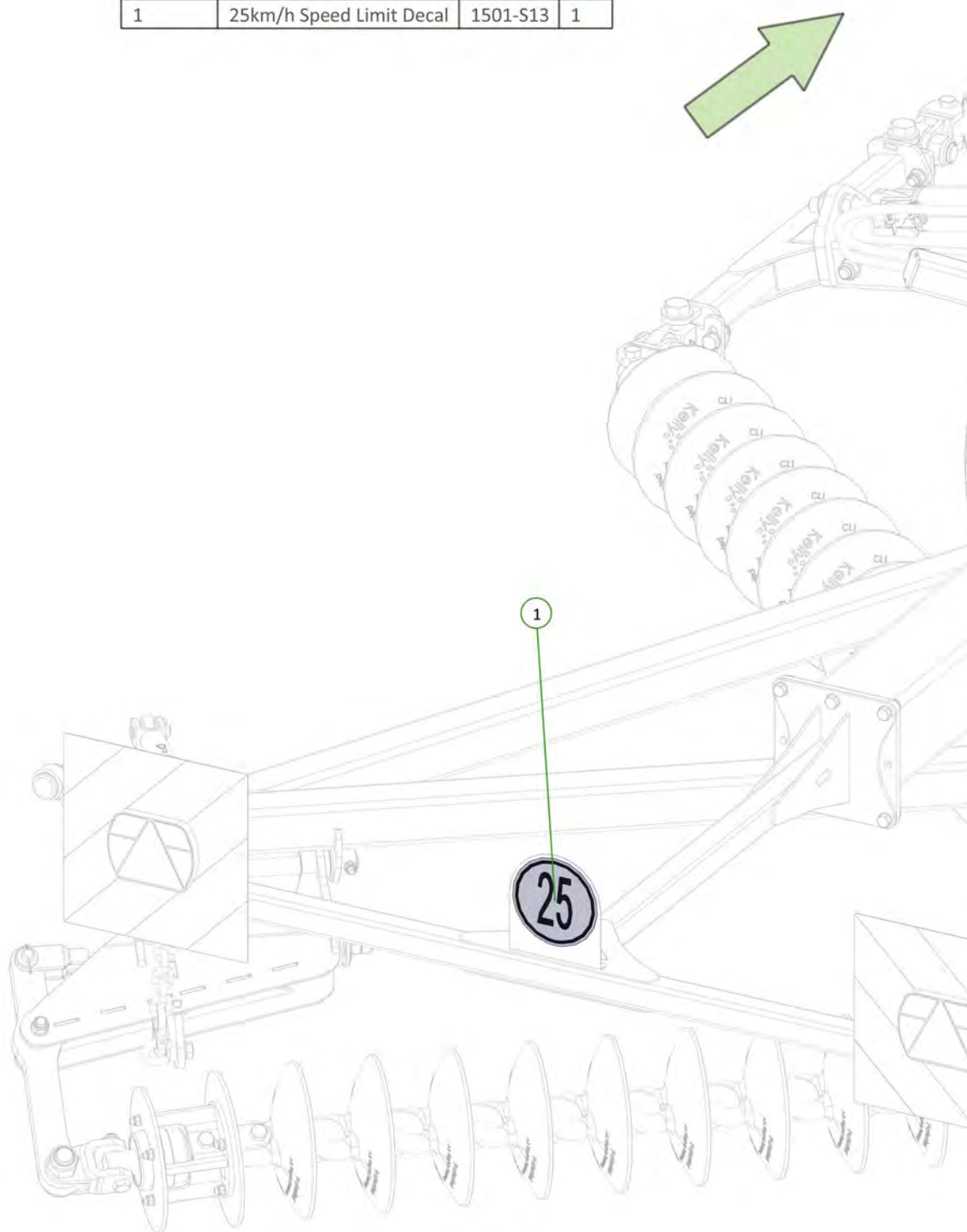
Item No.	Description	Number	Qty
1	Grease Point Indicator	1501-S12	2



Item No.	Description	Number	Qty
1	Slewing Range Decal	1501-S10	2

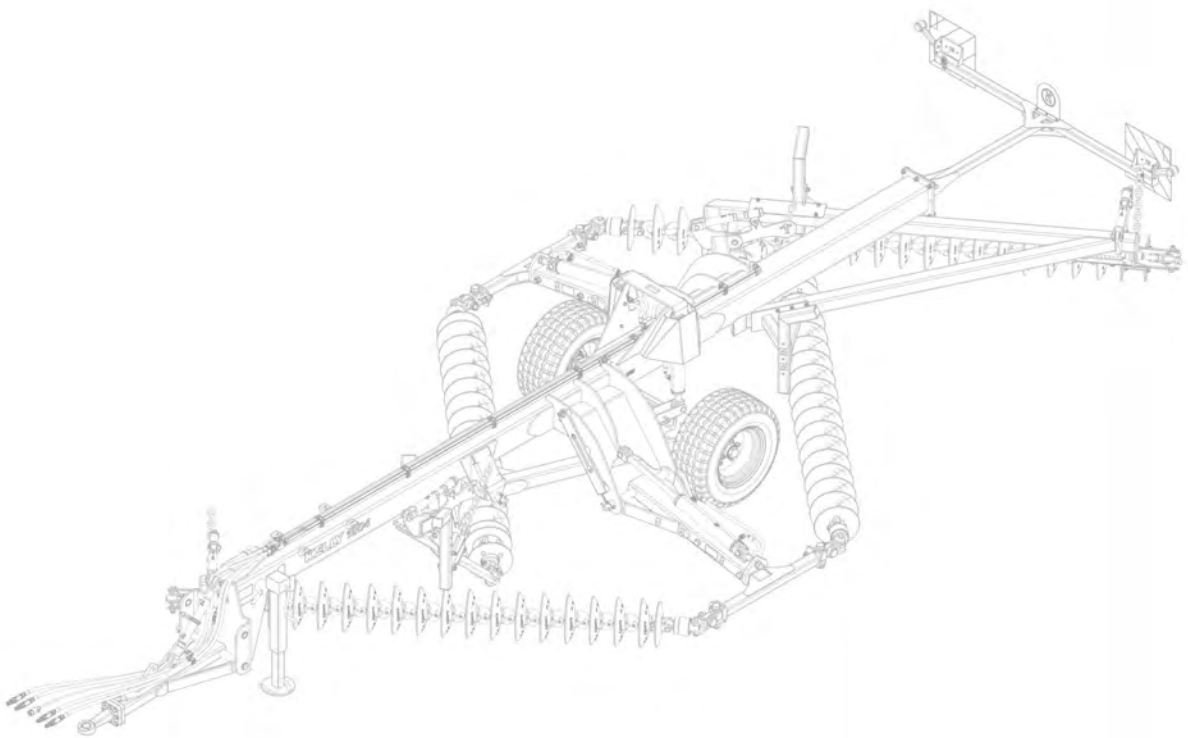


Item No.	Description	Number	Qty
1	25km/h Speed Limit Decal	1501-S13	1

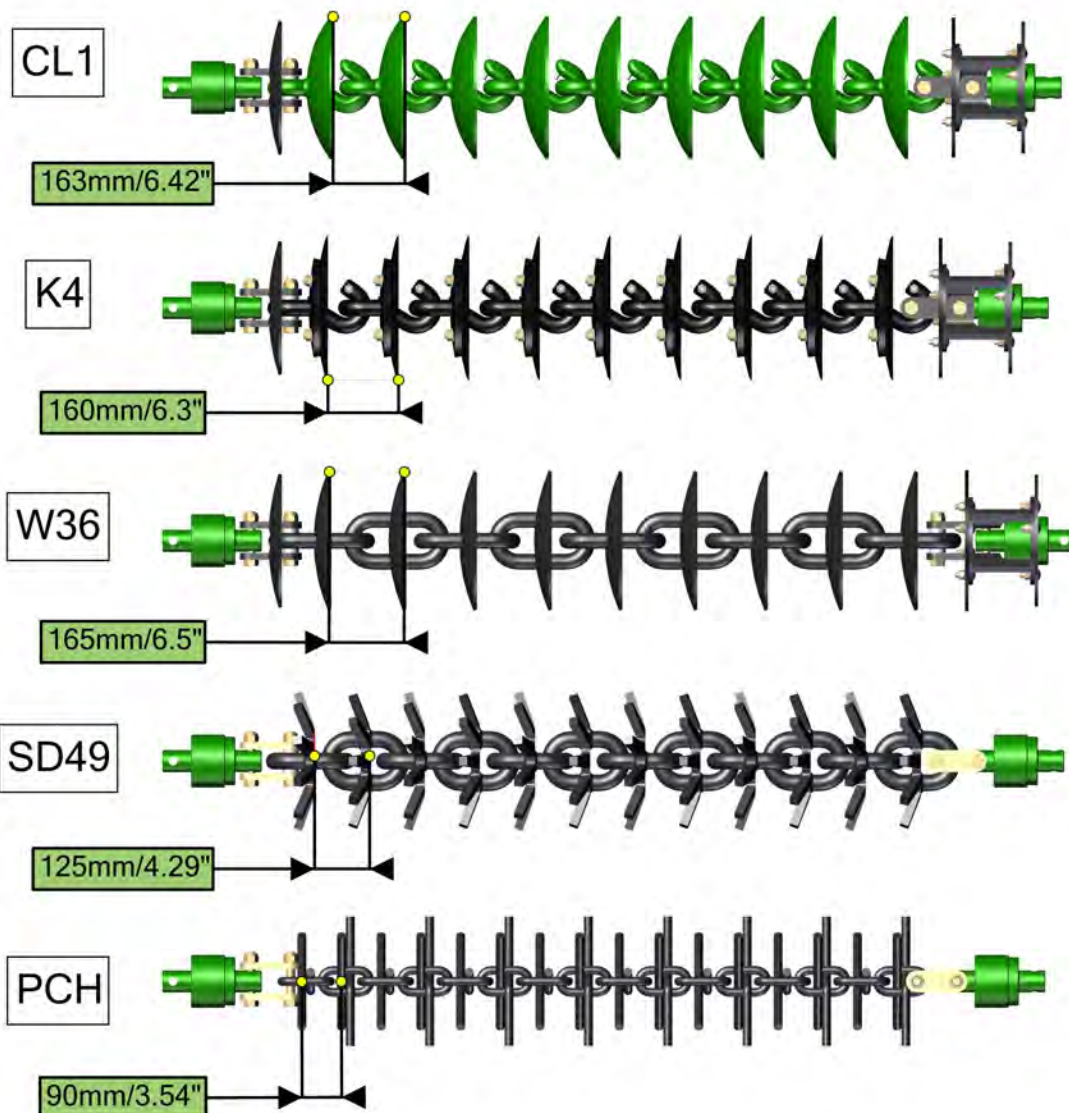


Item No.	Description	Number	Qty
1	Universal Patent Decal	0801-S26	1

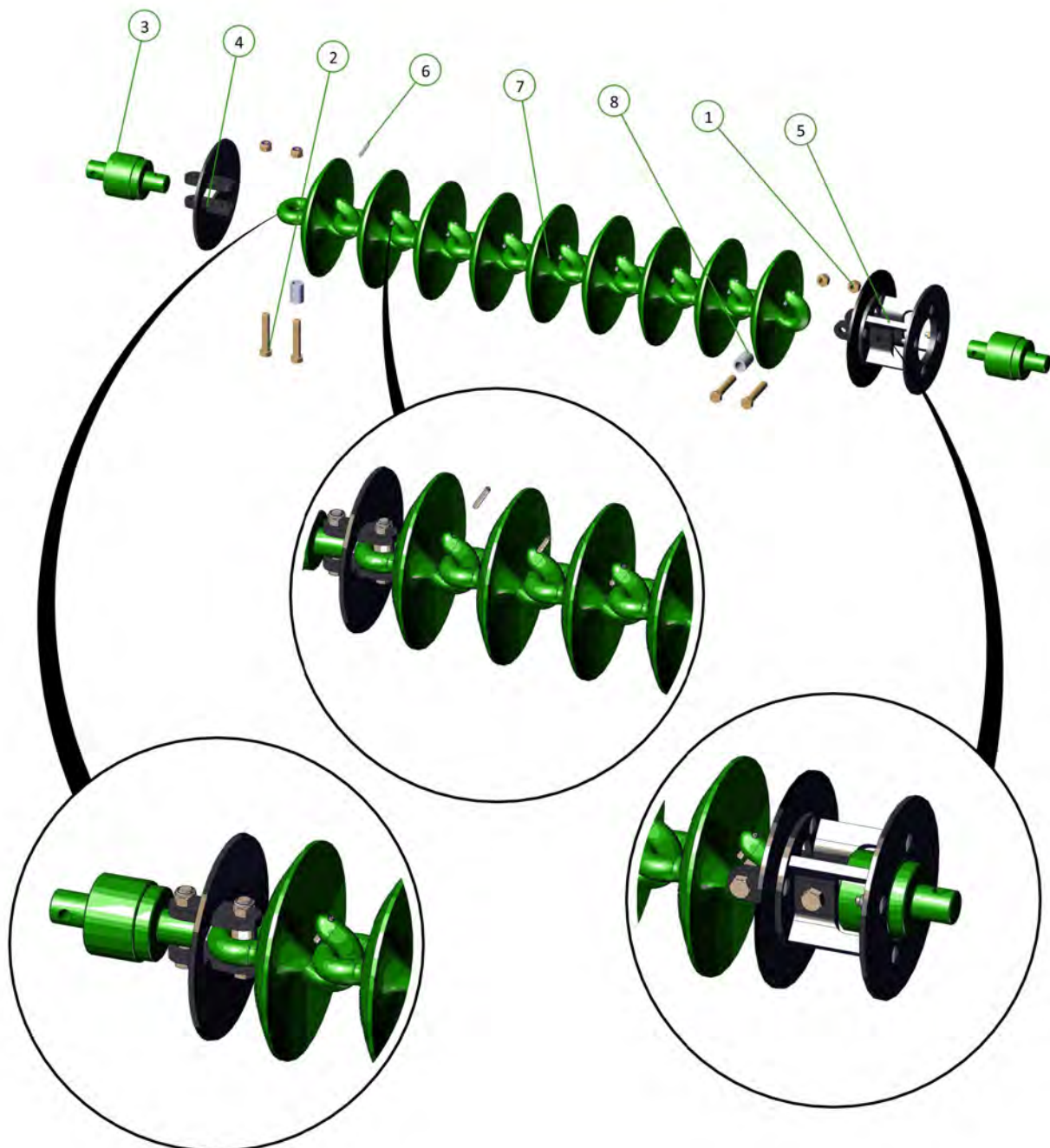




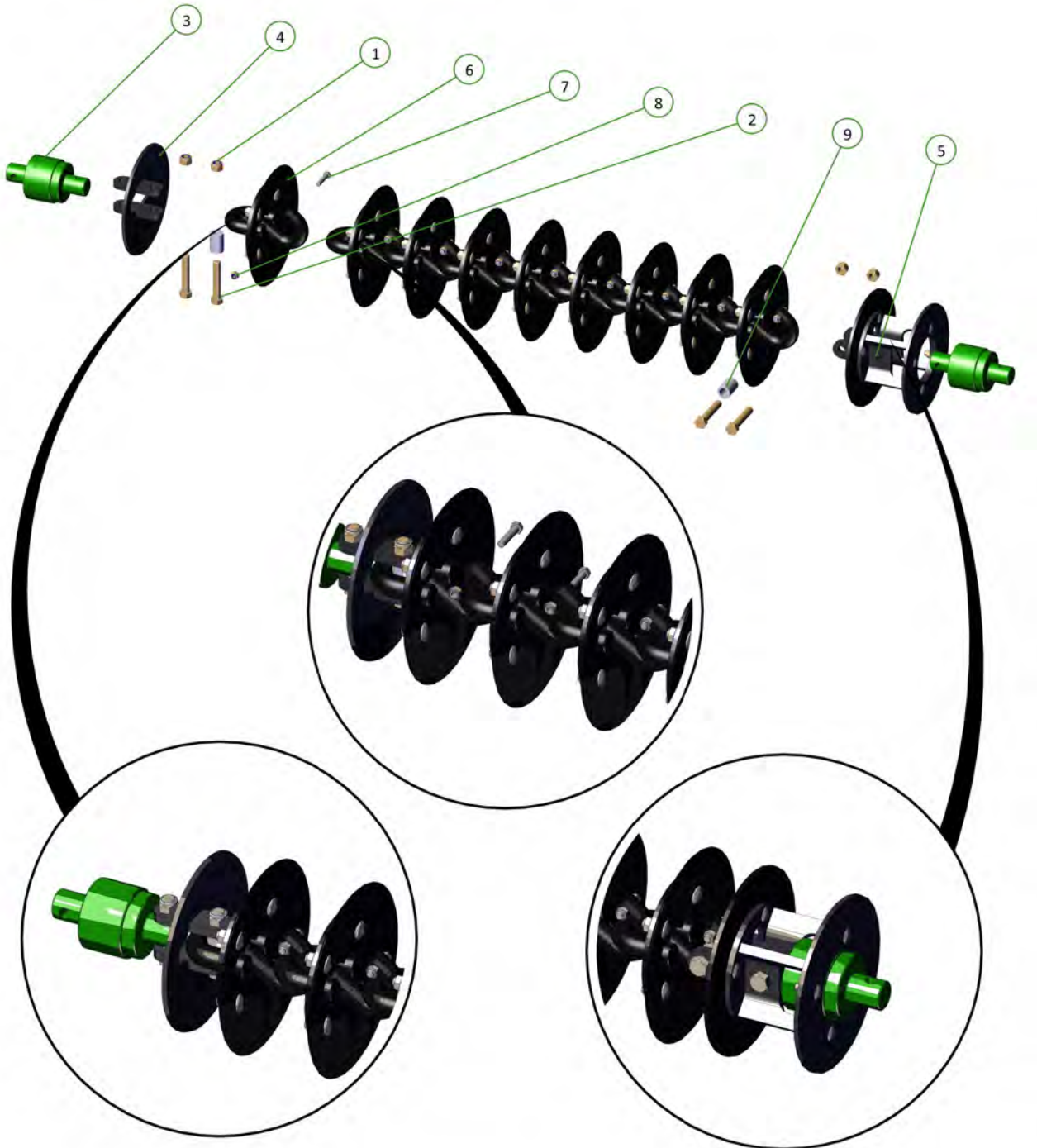
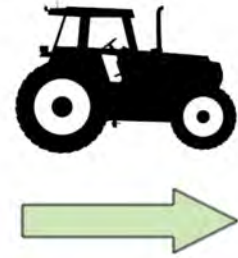
Section 5 - Chain assembly



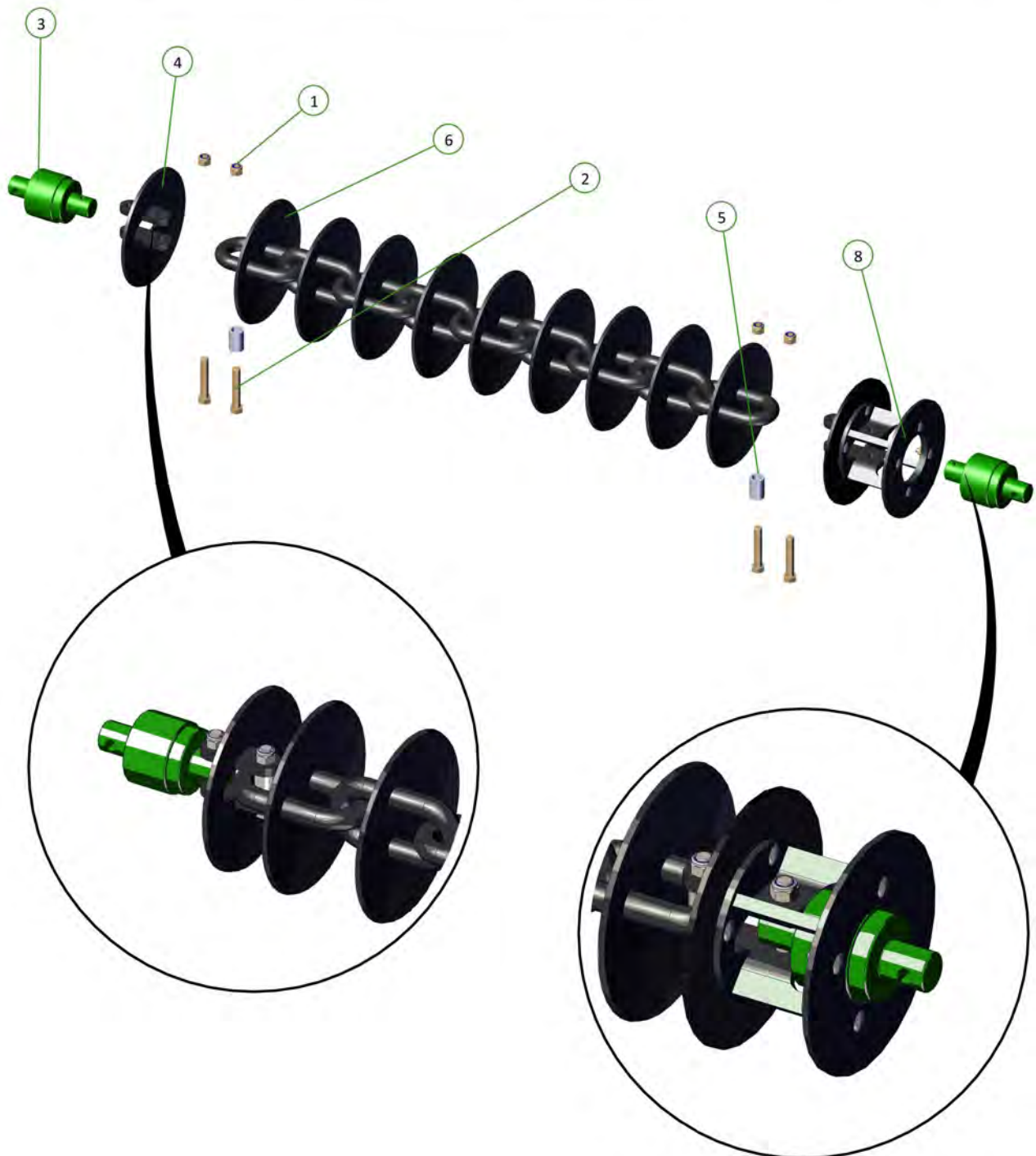
Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate Disc 20mm	0802-DCTP-20
5	Tapered Chain End Assembly	0810-45A
6	Roll Pin Zinc Plated 3/8" x 2"	0262-3-8X2
7	CL1-B Chain Disc Link	0803-CL1
8	Disc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



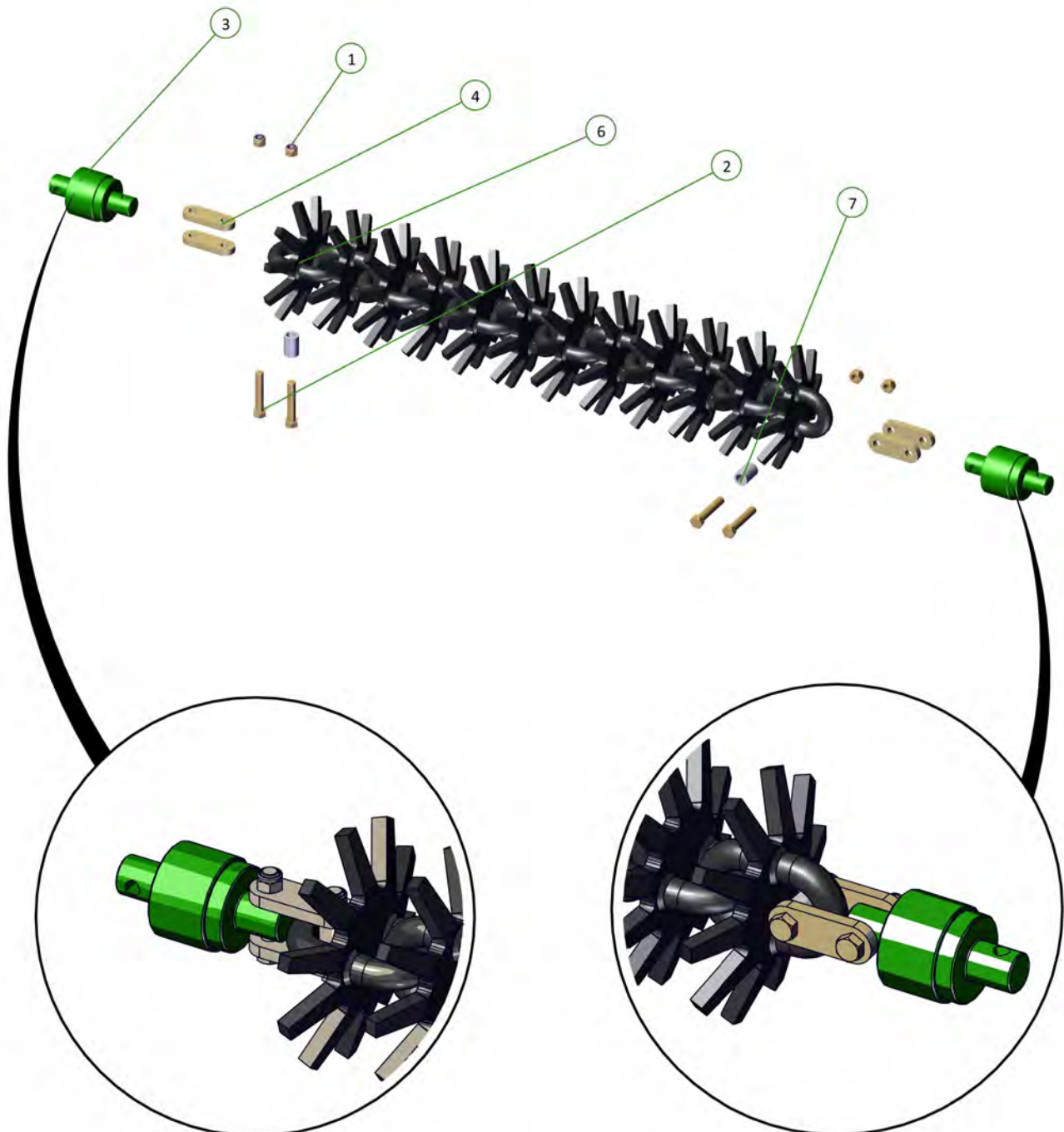
Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate Disc 20mm	0802-DCTP-20
5	Tapered Chain End Assembly	0810-45A
6	K4 Disc Assembly	0803-K4
7	M12 x 55 Class 8.8 ZP Bolt	0211-1255
8	Nyloc Nut M12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



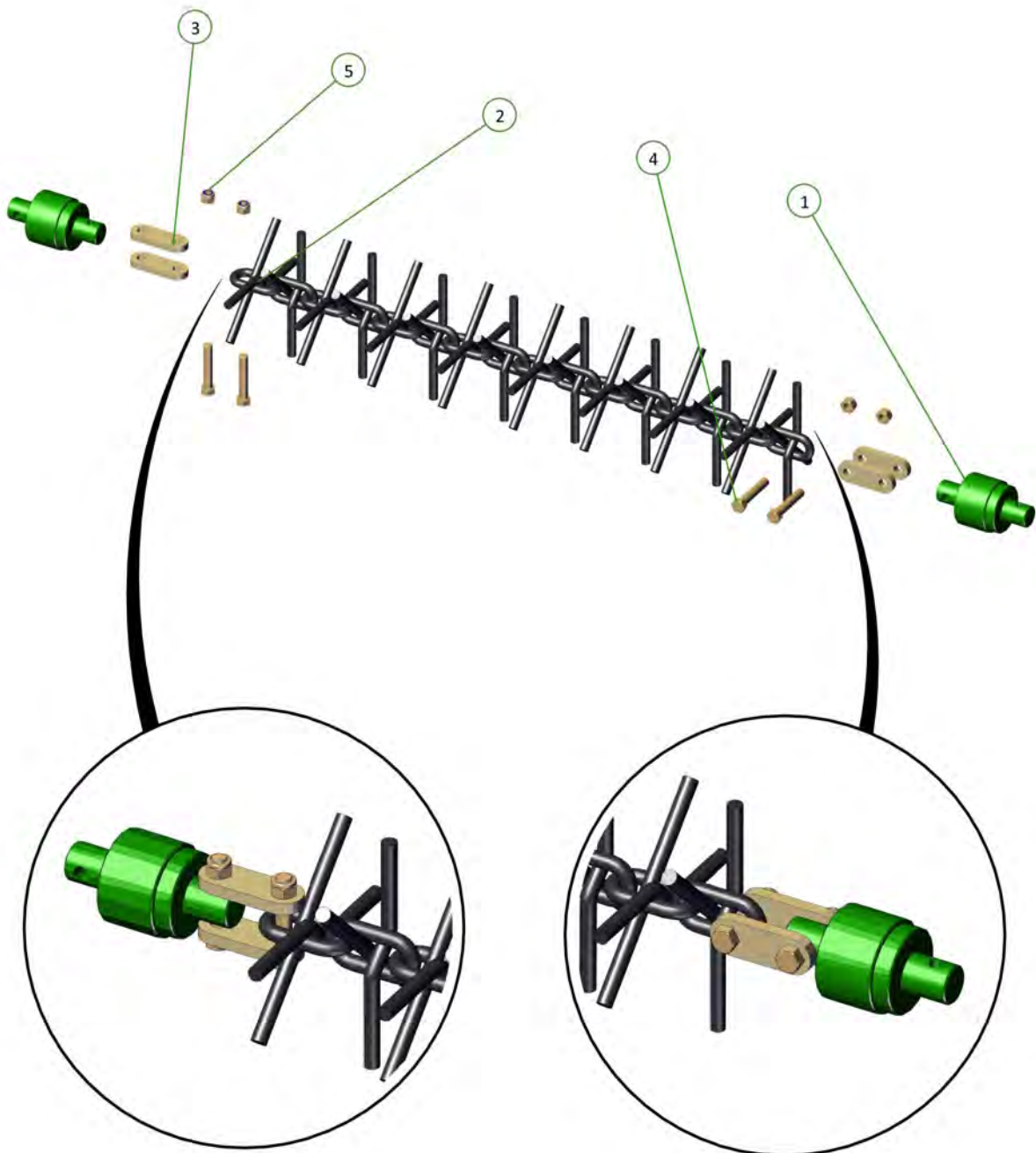
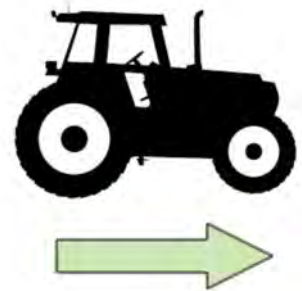
Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate Disc 20mm	0802-DCTP-20
5	Disc Chain Spacer	0801-PCDCS55
6	W36/25 Chain Link	0803-W36
8	Tapered Chain End Assembly	0810-45A



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	8-12 km
Transporting / towing speed	25 km

Tyre pressure

Tyre size	Ply	KPA	Bar
13.0/55-16	12	400	4

1204 Specifications

Model 1204	Set at 3.5m
Operating Width	3.79 +/- 0.1m
Transport Width	2.31m
Transport Height	2.17 +0.2/-0.3m
Transport Length	8.98m

Model 1204	Set at 4.0m
Operating Width	4.29 +/- 0.1m
Transport Width	2.31m
Transport Height	2.42 +0.2/-0.3m
Transport Length	8.98m

Model 1204	Set at 4.5m
Operating Width	4.8 +/- 0.1m
Transport Width	2.31m
Transport Height	2.66 +0.2/-0.3m
Transport Length	8.98m

Disc chain lengths and quantities

Model		Length	K4	CL1	W36	SD49	Prickle Chain
1204 - 3.5m	Front right	2.373m	14	15	26	19	14
	Front left	2.760m	17	17	31	22	16
	Rear right	3.214m	19	20	35	25	18
	Rear left	2.472m	15	45	27	20	14
1204 - 4.0m	Front right	2.609m	16	16	29	21	15
	Front left	2.998m	18	19	33	24	17
	Rear right	3.361m	20	21	37	27	20
	Rear left	2.710m	16	17	30	22	16
1204 - 4.5m	Front right	2.815m	17	18	31	22	16
	Front left	3.205m	20	20	35	25	19
	Rear right	3.568m	22	22	39	28	21
	Rear left	2.920m	18	18	32	23	17

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.



Importance of chain tension

Operational

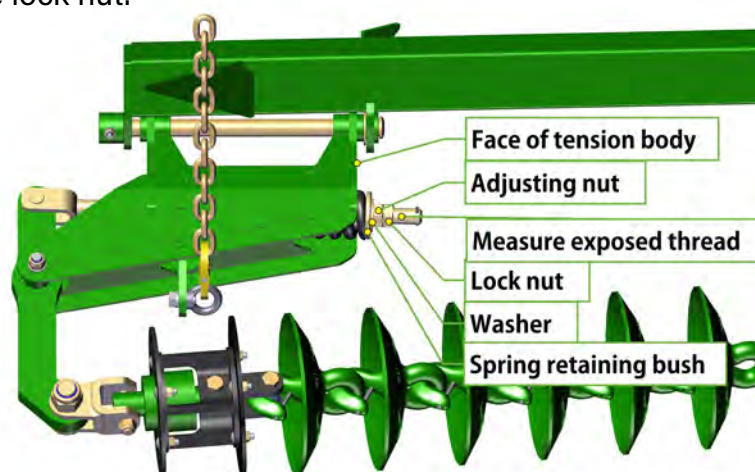
Chain tension is critical to achieve a smooth and level seedbed. A correctly tensioned, monitored and maintained chain will deliver the results you need. Incorrect chain tension can lead to:

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

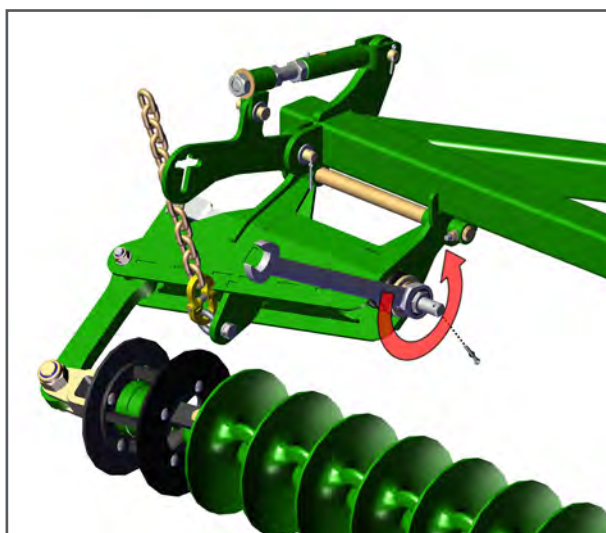
A correctly adjusted machine will not cause this problem.

Chain Tension procedure

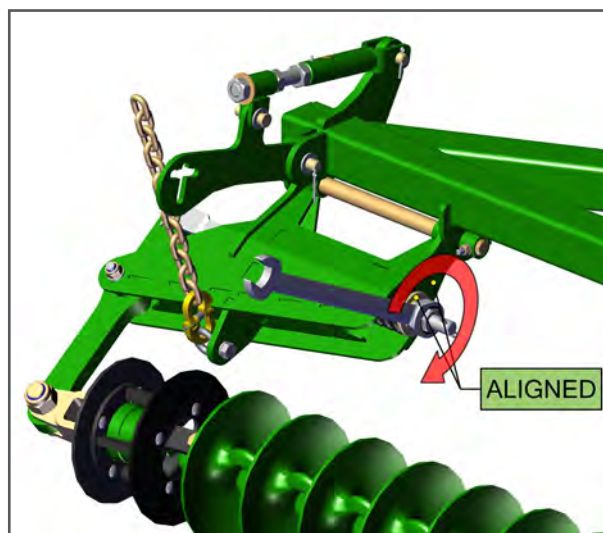
1. Loosen the lock nut on the module tension rod.
2. For correct chain tension, tighten the adjusting nuts clockwise until the outside face of the spring retaining washer is flushed with the face of the tension body. Spring length of 330mm.
3. If more than 150mm of tensioner thread is visible, then remove one link from the chain set to maintain correct chain tension.
4. Retighten the lock nut.



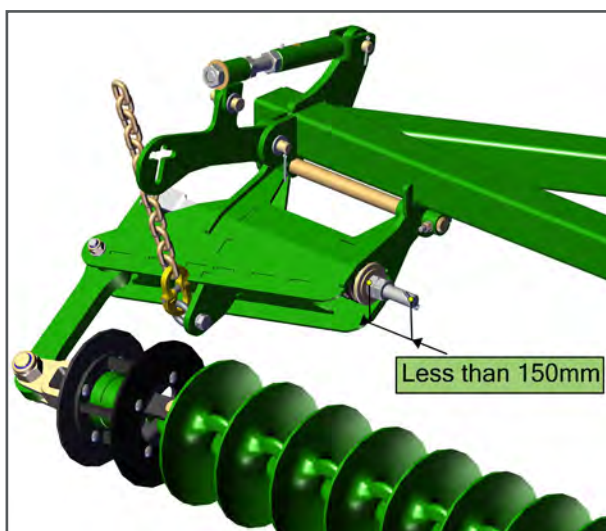
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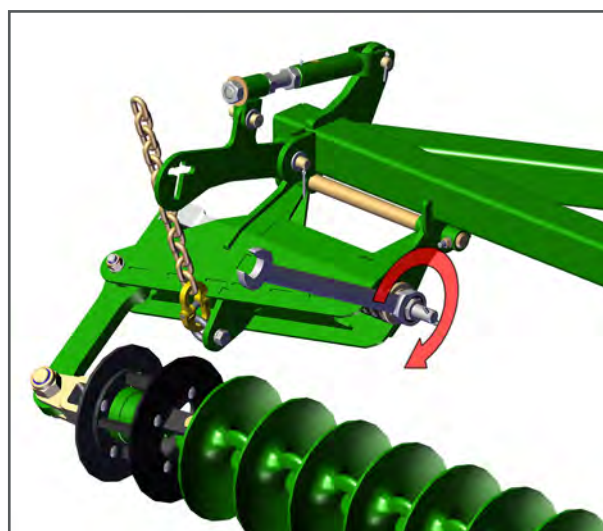
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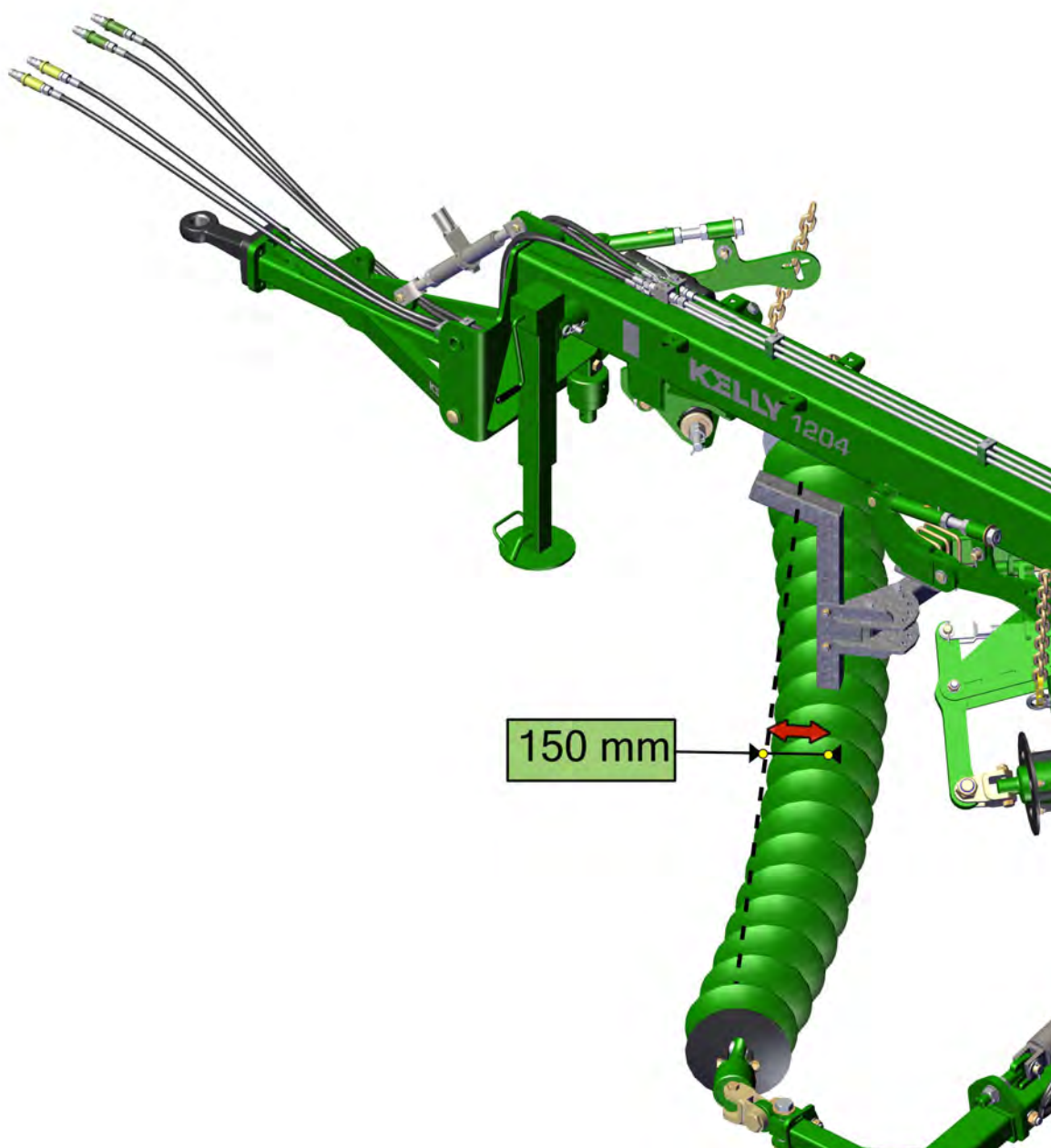
4.



Chain Curve

Correct chain tension will ensure that the entire length of discs will roll as one. This minimises the movement between each link. If a chain is not adjusted and runs loose, each link acts as a universal joint as the curved chain rolls along. The wear rate between each link is greatly accelerated and can lead to premature failure. The chain should not wear out before the discs are worn down.

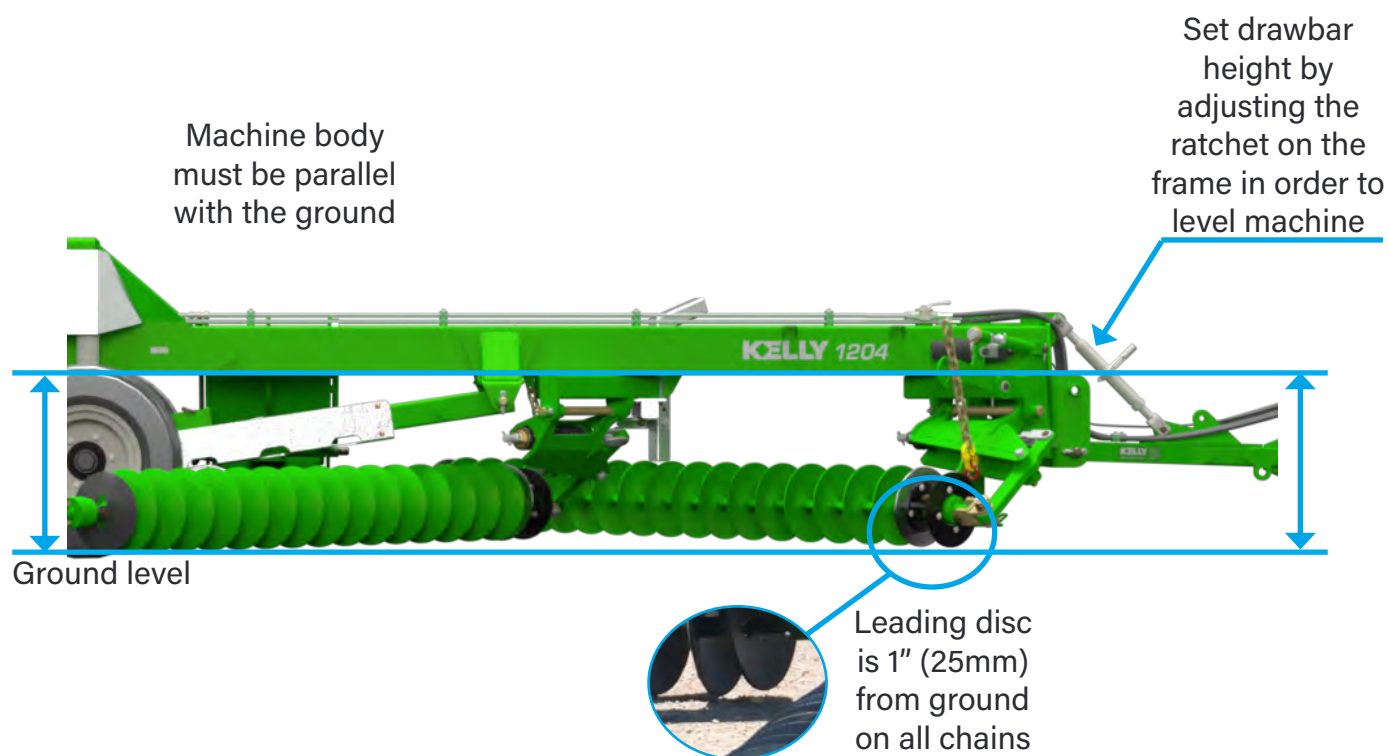
ONLY POOR ADJUSTMENT CAUSES PREMATURE WEAR



- As the indicator line shows the chain may sag not more than 150mm from centreline, this is the acceptable curvature when operating.
- At rest there should be less than 100mm of sag in the chain.

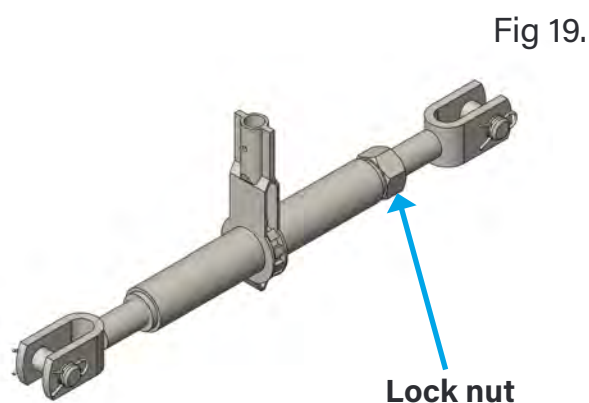
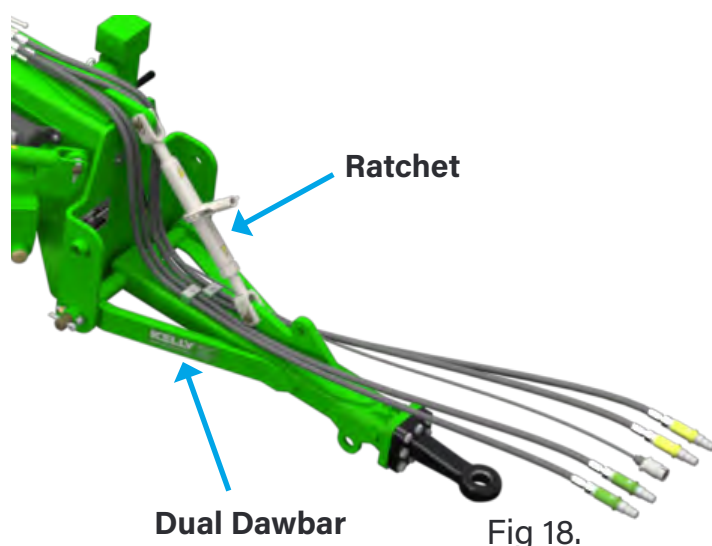
Lock nut

Frame height adjustment



- Check the length of the height adjusting chains on the two front chain mount plates.
- There should be no slack in the chain and about 25mm of gap between the ground and the bottom of the first disc machine near the centre line.
- Make sure the swivel bearing centreline is parallel with the ground.

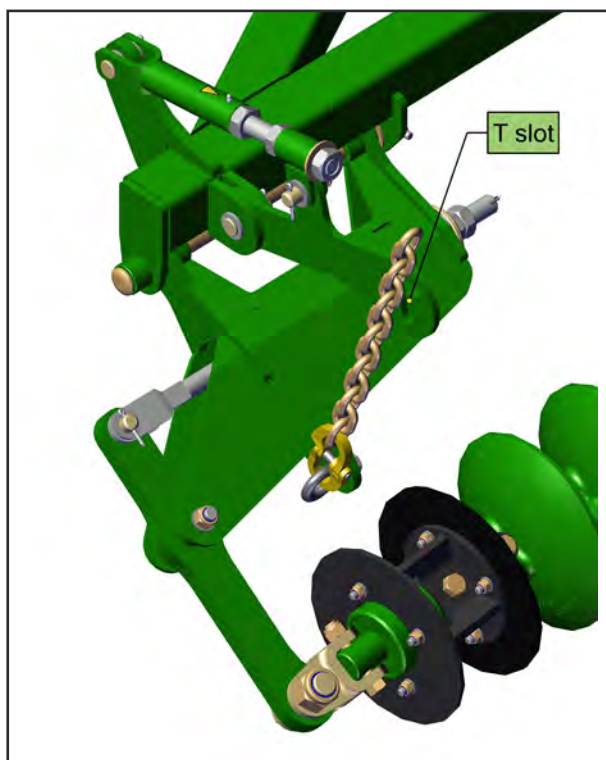
Once the frame is level tighten the lock nut (Fig 19.) on the drawbar ratchet (Fig 18.). This sets the drawbar height correctly for your tractor.



Chain height adjustment

1. Where a large amount of adjustment is required remove the locking bolt and slide the chain through the T slot then replace locking bolt and fine tune height with threaded adjuster.
2. Using the supplied spanner, loosen the lock nut on the height adjuster thread.
3. Using the supplied spanner, adjust the height.
4. Tighten the lock nut.

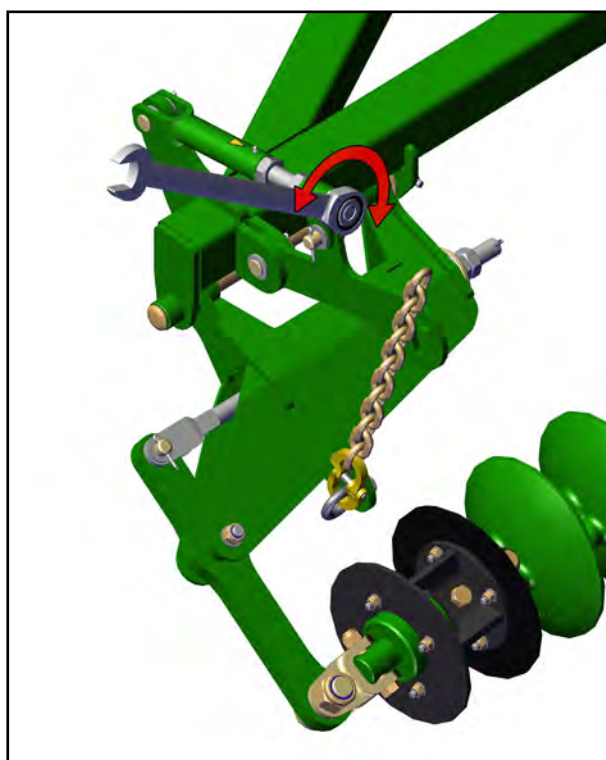
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2.



3.



4.





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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