

Thank you for choosing a Kelly Tillage 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 Tillage directly.

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

Australia Kelly Tillage

PO Box 100

Booleroo Centre SA 5482

Phone: + 61 8 8667 2253
Email: sales@kellytillage.com
Spare Parts: parts@kellytillage.com
Website: www.kellytillage.com

United States - Spare Parts Hood & Company Inc

Springfield MO

Phone: +1 417 865 2100 **Email:** parts@hoodco.com

Canada - Spare Parts Adair Sales & Marketing Company Inc

Swift Current SK Phone: +1 306 773 0996 Email: parts@adairreps.com

Contents

Section 1: Unpacking	Page Number 4
Section 2: Assembly	7
Section 3: Decal Application	119
Section 4: Light Kit	141
Section 5: Chain Assembly	155
Section 6: Diagrams & Specifications	167
Section 7: Operation	172



This symbol indicates which bag the relevant fasteners are in



This symbol indicates which bag the relevant hydraulics are in



This symbol indicates which way the machine is travelling

Section 1 Unpacking

Unpacking



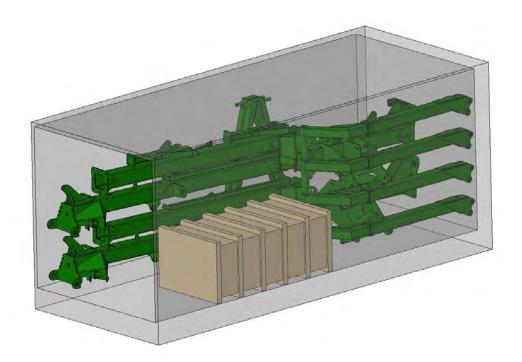
Before unloading any loads please inspect exterior for damage

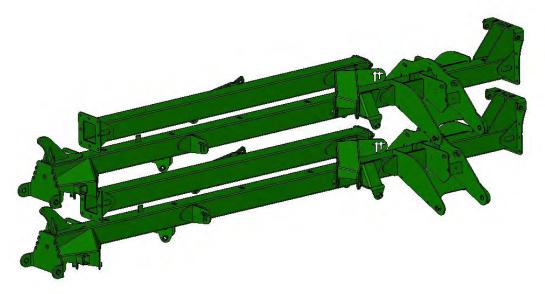


CAUTION

Take care when opening doors as load may have shifted or restraints may have broken.

- Remove boxes from doorway of container one at a time using a forklift truck. Each box weighs up to 5512 lbs (2500kg)
- Check strapping on each bundle before attempting to remove
- Attach chains to the packing frame using shackles and using suitable equipment (eg. fork-lift or tractor) drag framework bundles out of container. To move bundles away from front of container lift from side with forklift. Do not lift under angle iron frame, lift only under centre frame. Each bundle weighs approximately 7000 lb (3200 kg).







CAUTION

Before cutting straps attach slings or chains and take the weight of the frames to avoid them slipping or falling and causing injury.

CAUTION

Wear eye and hand protection when cutting straps. Sharp edges are exposed as straps separate and may cause injury.

CAUTION

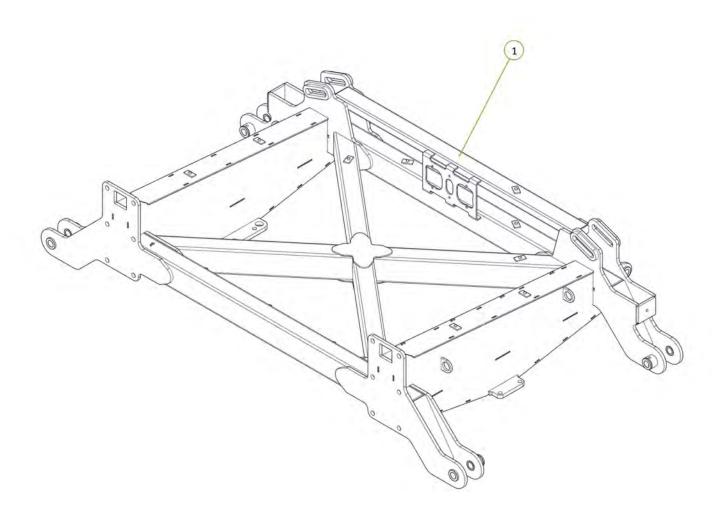
To avoid falling or moving components, before cutting straps attach slings or chains to individual pieces and only cut the straps holding the piece to be lifted.

- Remove boxes from rear of container one at a time using a forklift truck. Each box weighs up to 5512 lbs (2500 kg)
- Cut straps holding bundles and separate parts and place in assembly area
- Once all parts have been identified, the machine is ready for assembly
- Identify parts for each machine by serial no. or description and separate. Open parts box and check that all parts are accounted for against checklist
- Read assembly instructions before proceeding.

Section 2 Assembly

Item No.	Description	Qty	Number
1	40' Centre Frame	1	1540-01-1

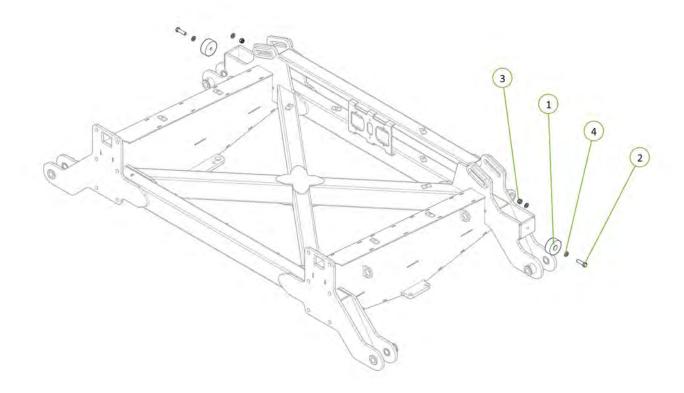




Item No.	Description	Qty	Number
1	Wing Folding Buffer	2	1201-12
2	M16 x 60 grade 8.8 zp Bolt	2	0211-1660
3	Nyloc Nut M16	2	0221-NYL16
4	Washer Flat M16	4	0231-F16



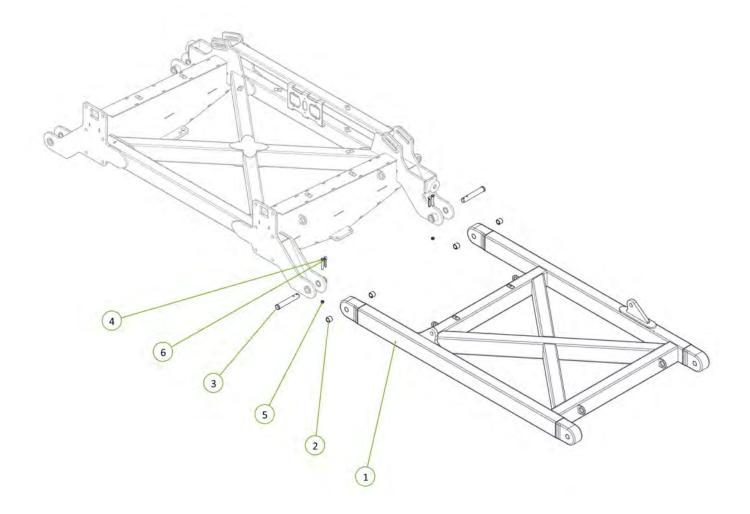




Item No.	Description	Qty	Number
1	40' LH Inner Wing	1	1540-05-3
2	35 ID x 30mm DU Bush	4	0113-MB3530DU
3	PCH Wing Pivot Pin	2	0801-10-08-235
4	M12 x 90 Class 10.9 ZP Bolt	2	0211-1290HT
5	Nyloc Nut M12	2	0221-NYL12
6	Cotter Pin M13 x 63	2	0261-PINC1363



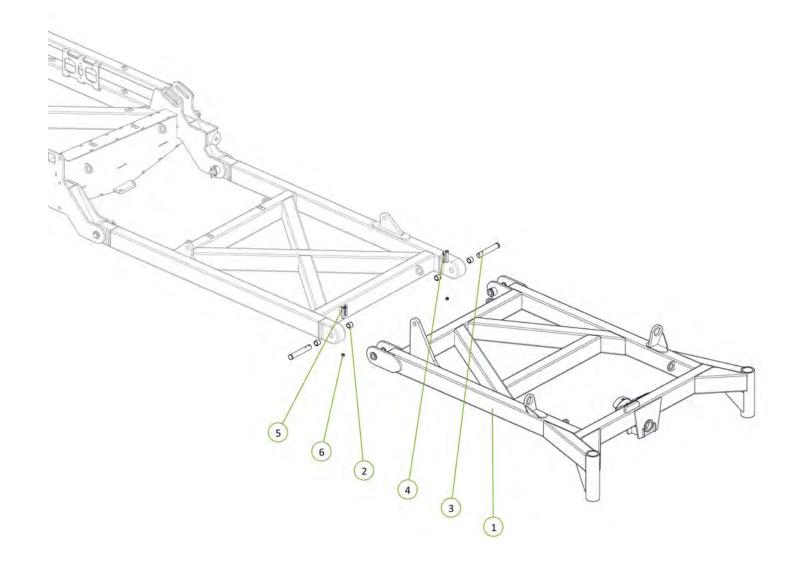




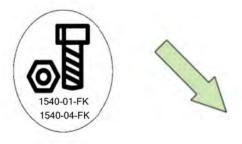
Item No.	Description	Qty	Number
1	40' LH Outer Wing	1	1540-07-2
2	35 ID x 30mm DU Bush	4	0113-MB3530DU
3	PCH Wing Pivot Pin	2	0801-10-08-235
4	Cotter Pin M13 x 63	2	0261-PINC1363
5	M12 x 90 Class 10.9 ZP Bolt	2	0211-1290HT
6	Nyloc Nut M12	2	0221-NYL12

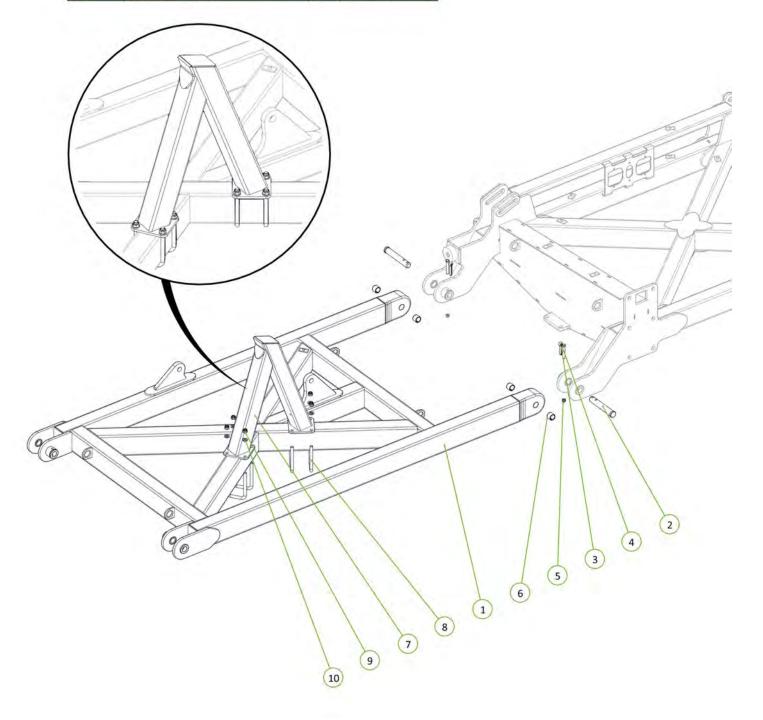




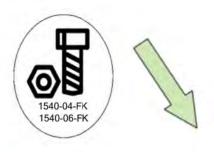


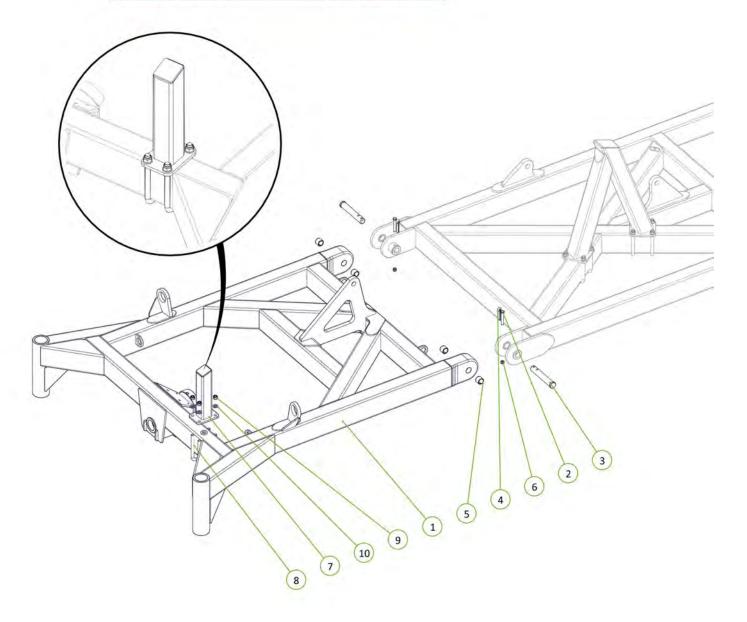
Item No.	Description	Qty	Number
1	40' RH Inner Wing	1	1540-04-3
2	PCH Wing Pivot Pin	2	0801-10-08-235
3	Cotter Pin M13 x 63	2	0261-PINC1363
4	M12 x 90 Class 10,9 ZP Bolt	2	0211-1290HT
5	Nyloc Nut M12	2	0221-NYL12
6	35 ID x 30mm DU Bush	4	0113-MB3530DU
7	Inner Wing Post	1	1510-244
8	U-Bolt M16 x 185 Deep x 104 Wide	4	0271-16185104
9	Nyloc Nut M16	8	0221-NYL16
10	Washer Flat M16	8	0231-F16





Item No.	Description	Qty	Number
1	40' RH Outer Wing	1	1540-06-2
2	M12 x 90 Class 10.9 ZP Bolt	2	0211-1290HT
3	PCH Wing Pivot Pin	2	0801-10-08-235
4	Cotter Pin M13 x 63	2	0261-PINC1363
5	35 ID x 30mm DU Bush	4	0113-MB3530DU
6	Nyloc Nut M12	2	0221-NYL12
7	Right Hand Outer Wing Post	1	1510-241
8	U-Bolt M16 x 185 Deep x 104 Wide	2	0271-16185104
9	Nyloc Nut M16	4	0221-NYL16
10	Washer Flat M16	4	0231-F16

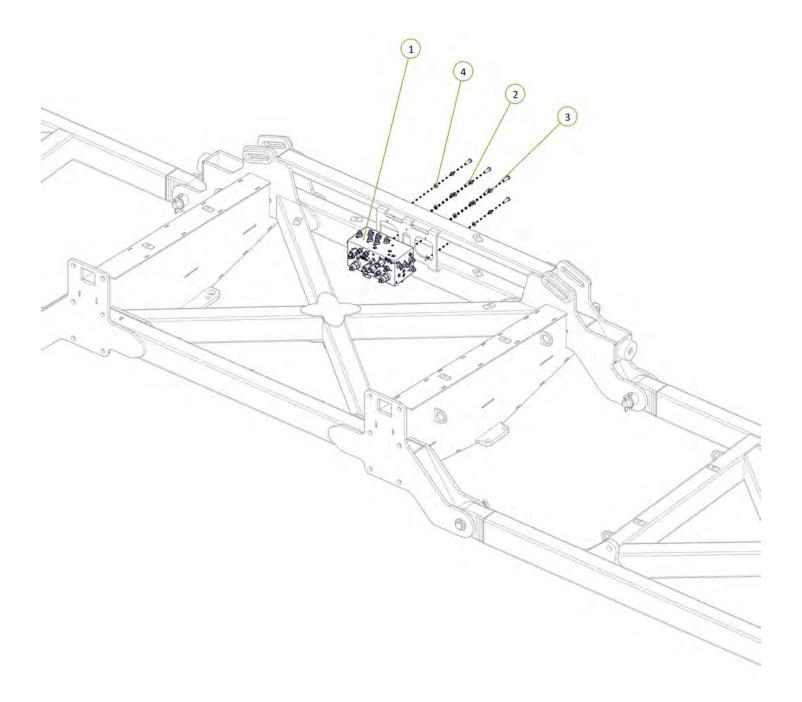




Item No.	Description	Qty	Number
1	Dual Circuit 3 Stage Sequence Manifold V12.5	1	0802-692196
2	M10 x 30 grade 8.8 ZP Bolt	6	0211-1035
3	Washer Spring M10	6	0231-S10
4	Washer Flat M10	6	0231-F10

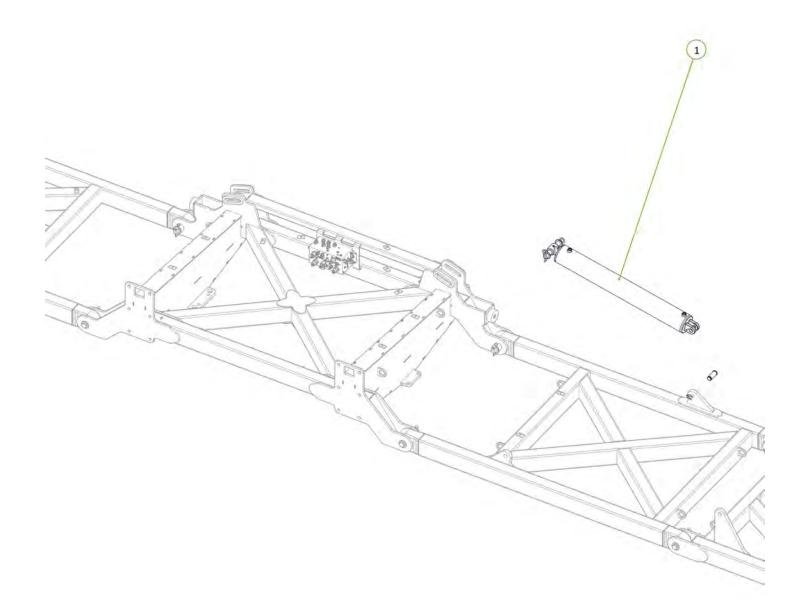


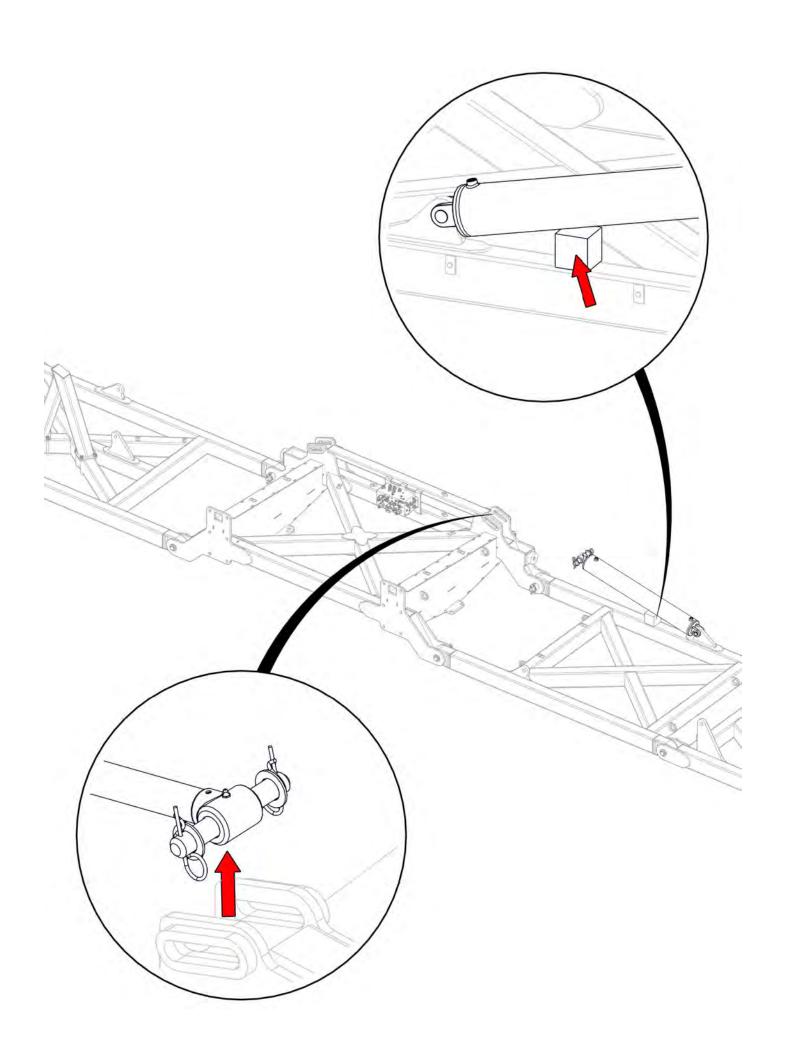




Item No.	Description	Qty	Number
1	5" Bore 36" Stroke 3 1/8" S/Tube 2" Rod Hydraulic Cylinder	1	0311-536ST



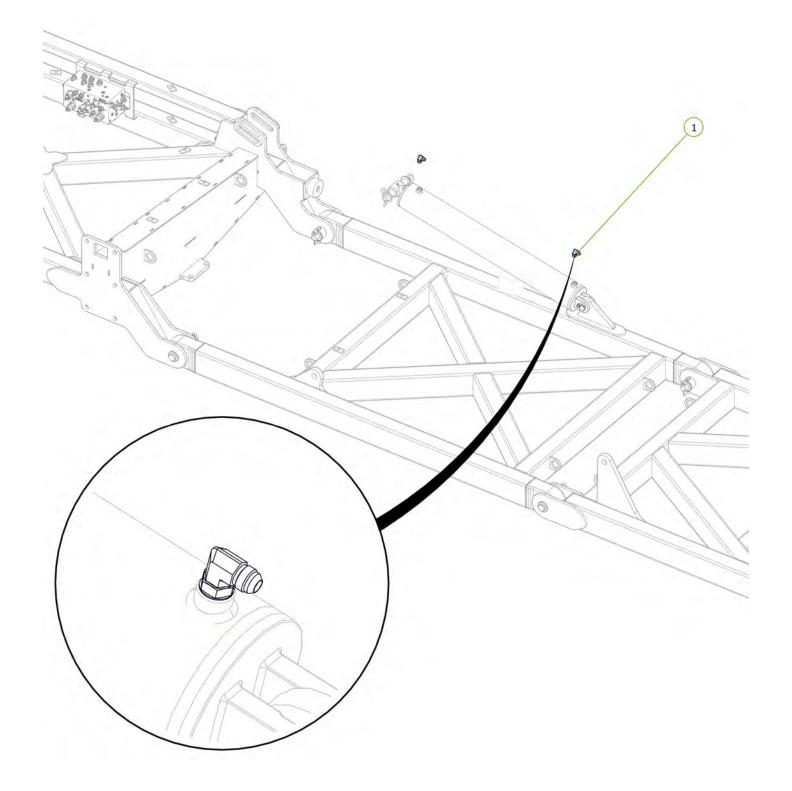


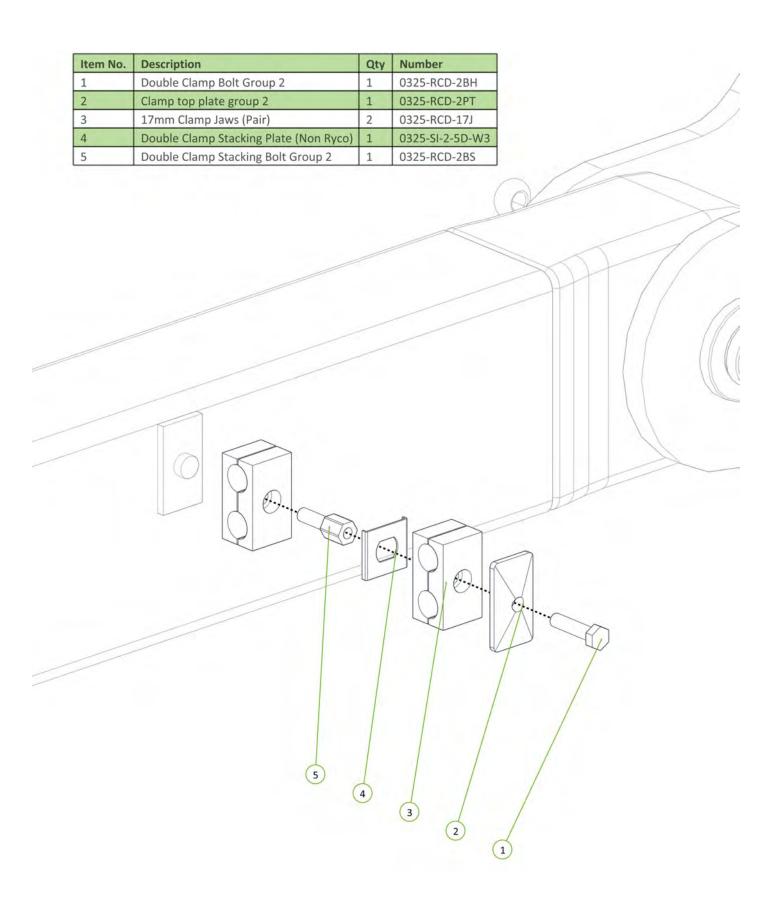


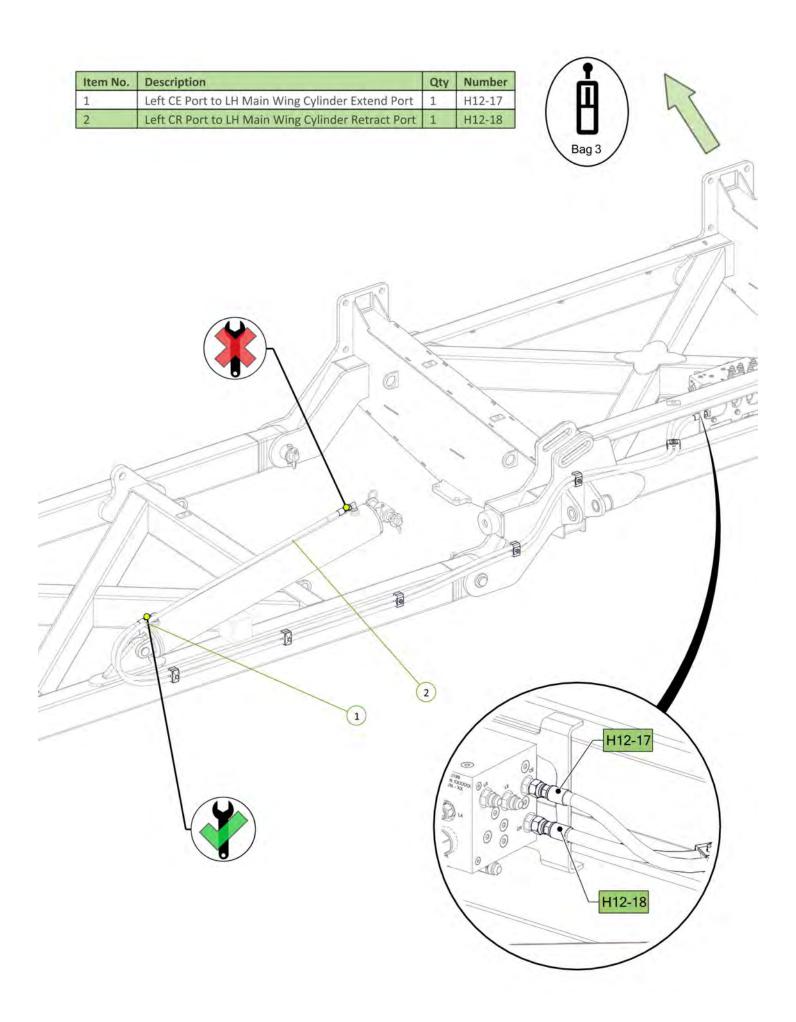
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212





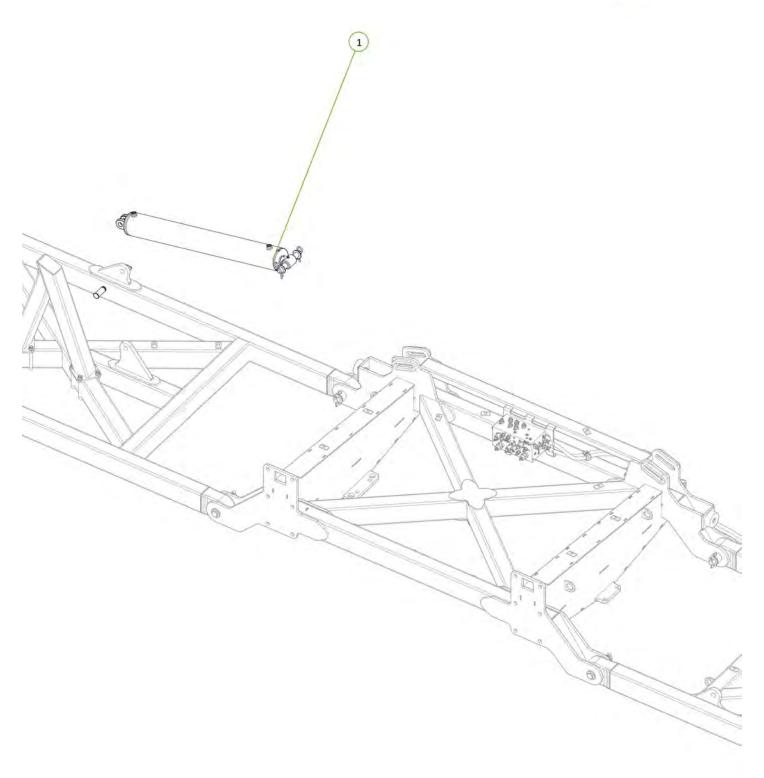


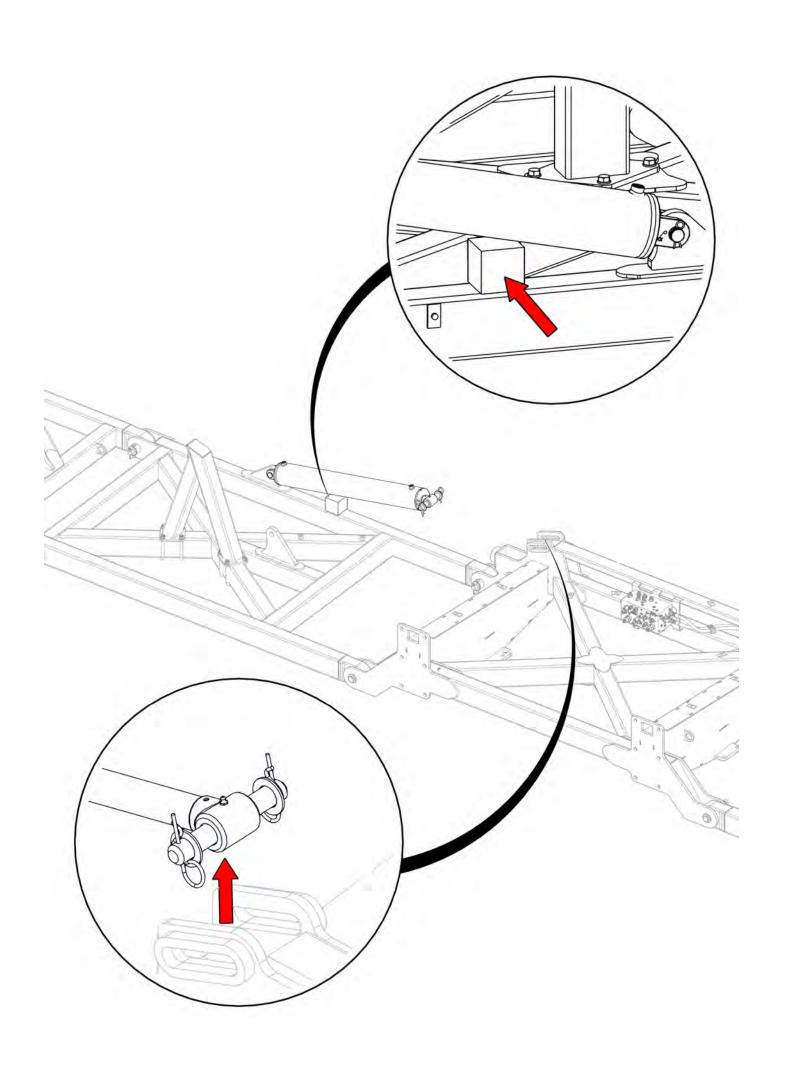




Item No.	Description	Qty	Number
1	5" Bore 36" Stroke 3 1/8" S/Tube 2" Rod Hydraulic Cylinder	1	0311-536ST



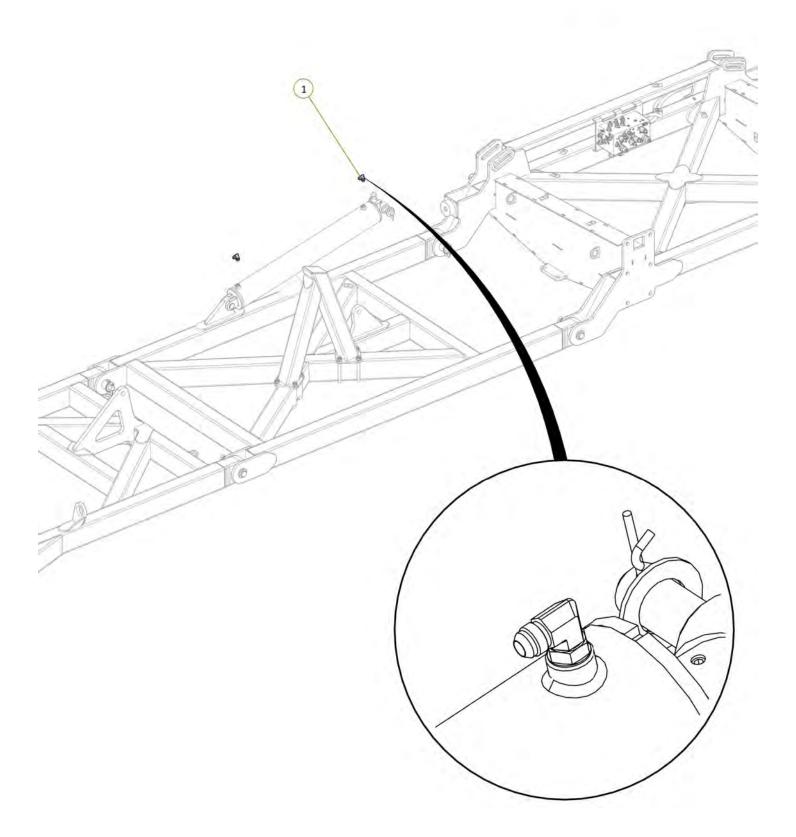




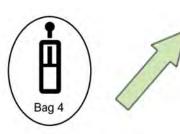
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212

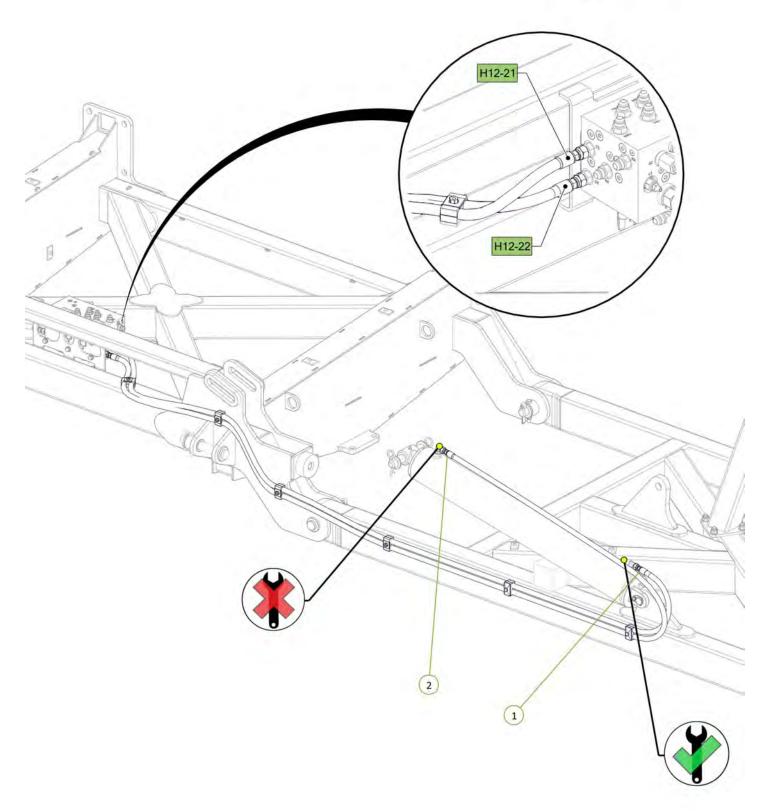






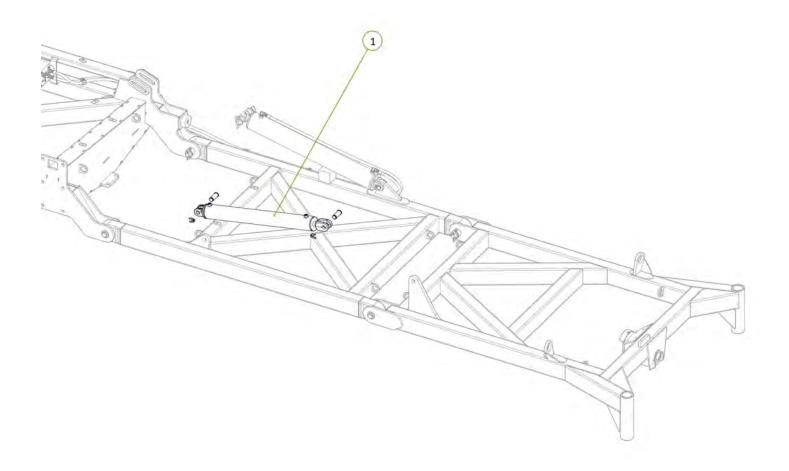
Item No.	Description	Qty	Number
1	Right CE Port to RH Main Wing Cylinder Extend Port	1	H12-21
2	Right CR Port to RH Main Wing Cylinder Retract Port	1	H12-22

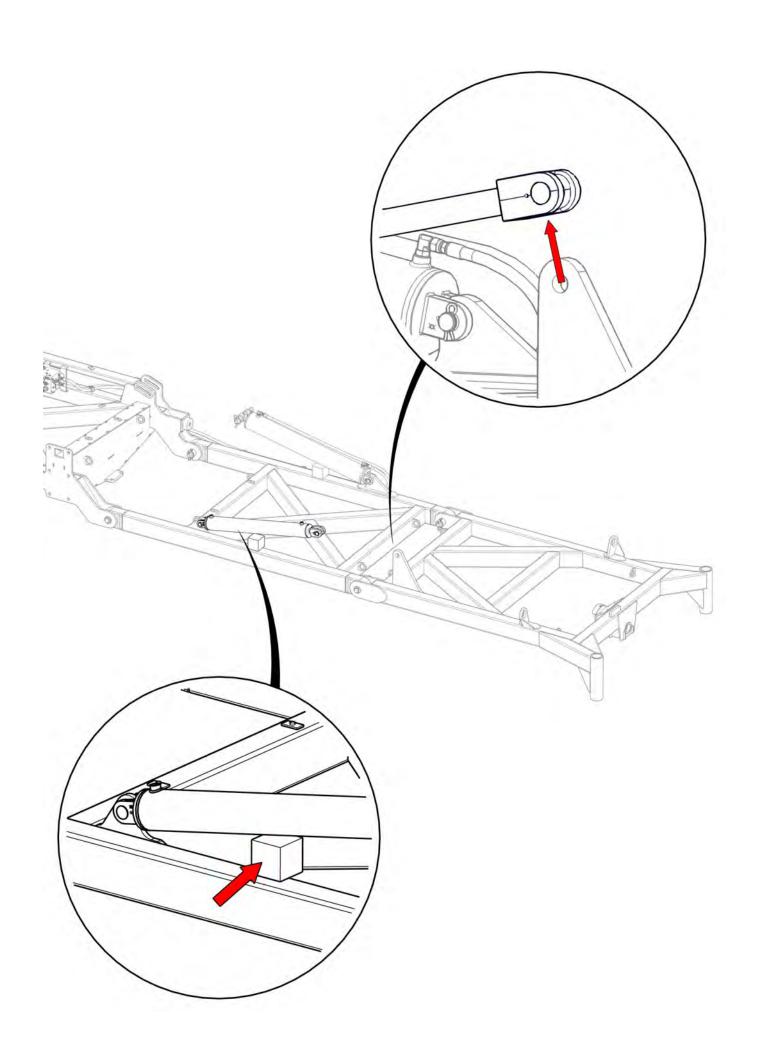




Item No.	Description	Qty	Number
1	4" Bore 30" Stroke 3" S/Tube 1.75" Rod Hydraulic Cylinder with Stop Tube & Clevis	1	0311-430ST-C2



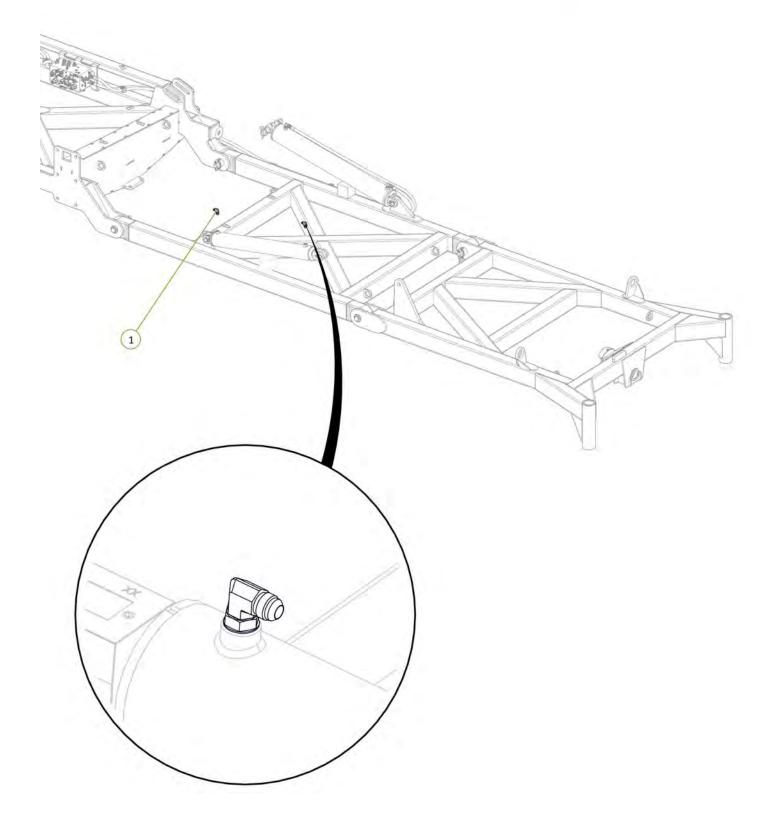




Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212

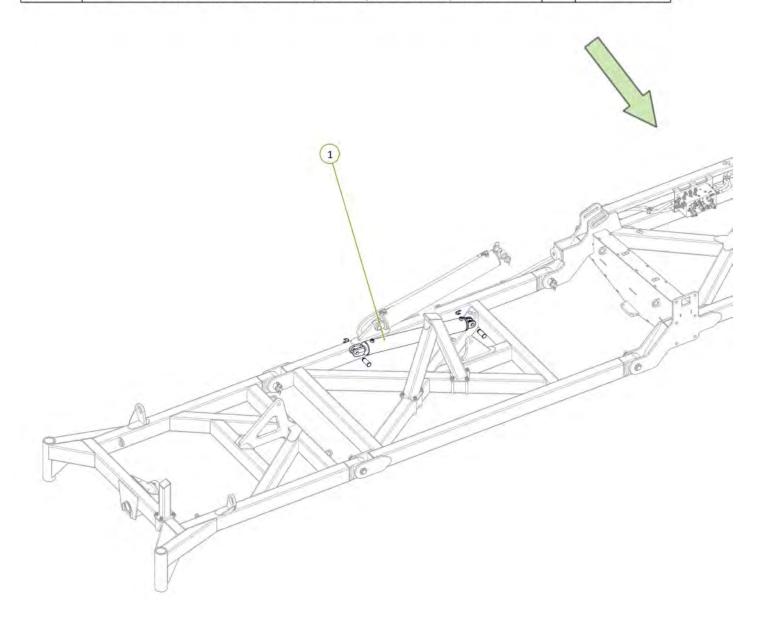


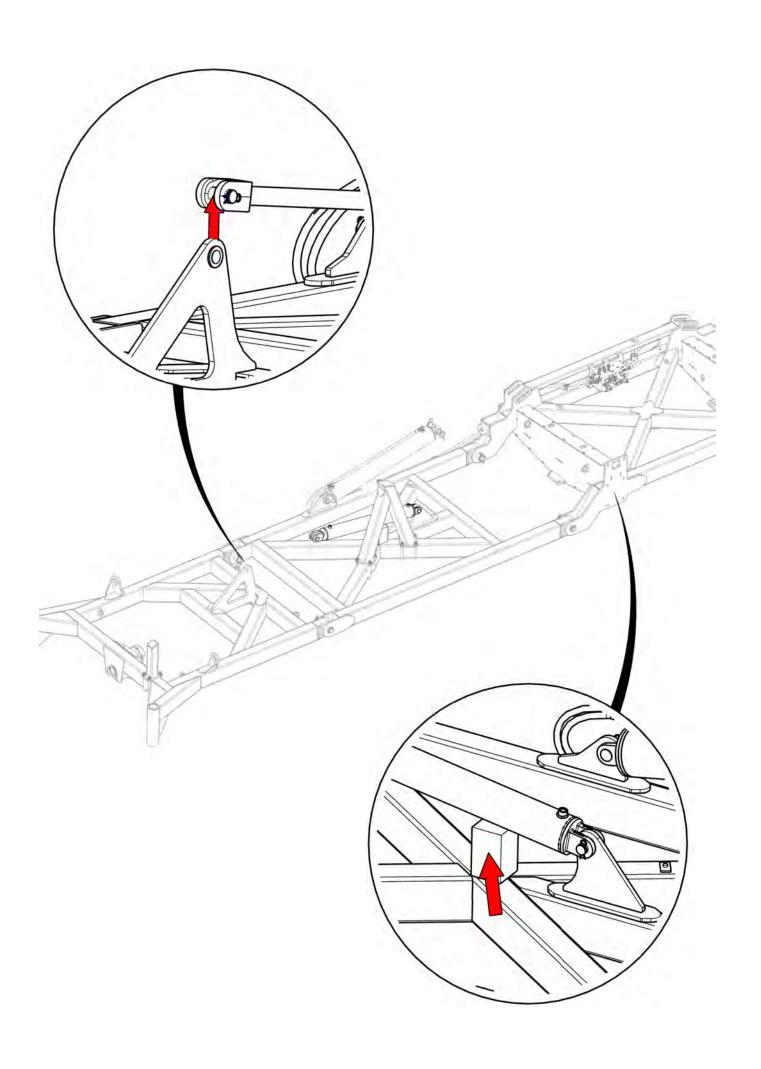




		201 200 100		
Item No.	Description	Ort 1 H12-19	/ II \	1
2	LE Port to LH Outer Wing Cylinder Extend P LR Port to LH Outer Wing Cylinder Retract P			11
	H12-19		Bag 3	
A. 6				
	H12-20			
	1			

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

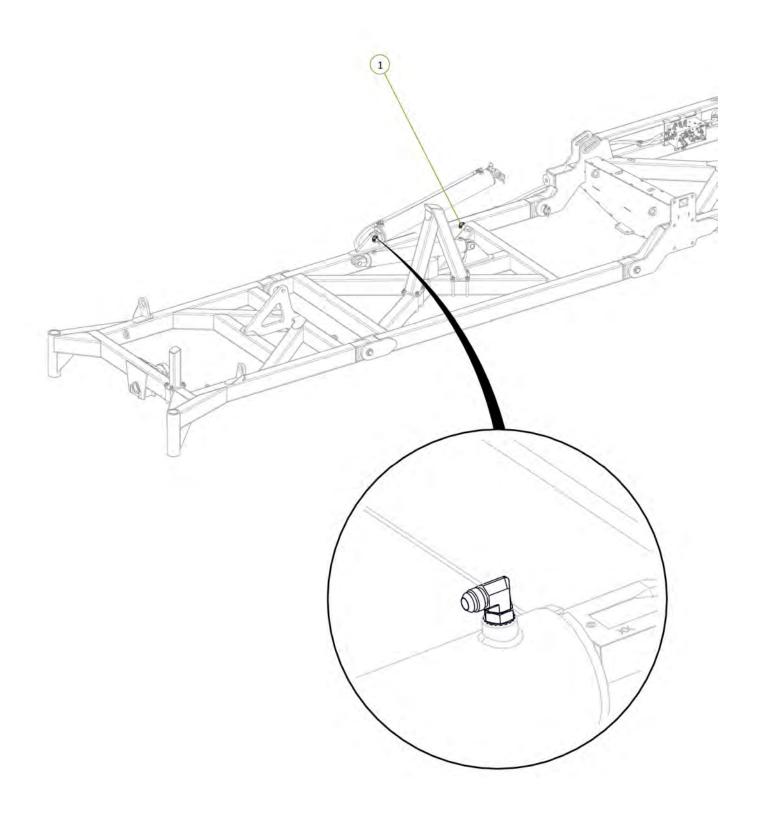




Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212

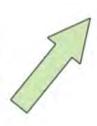


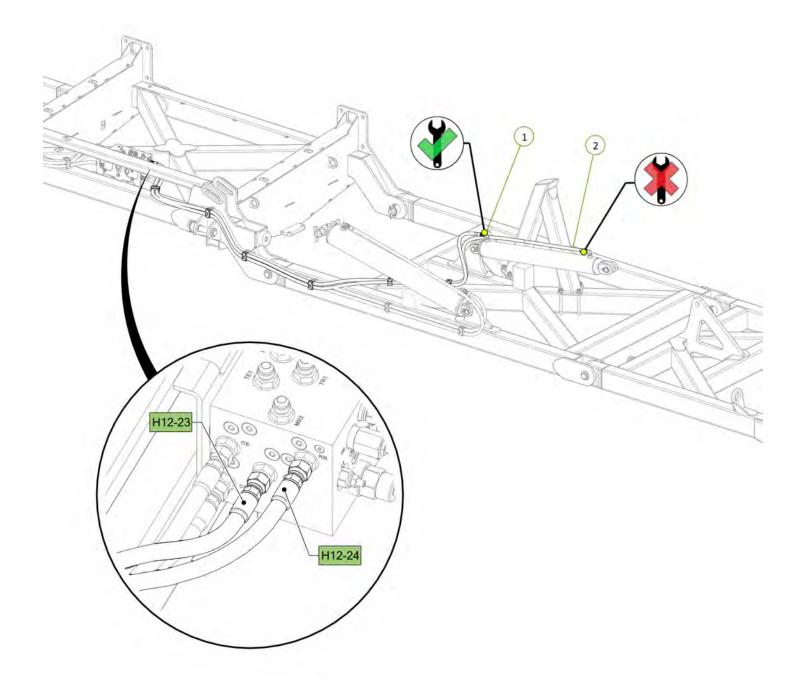


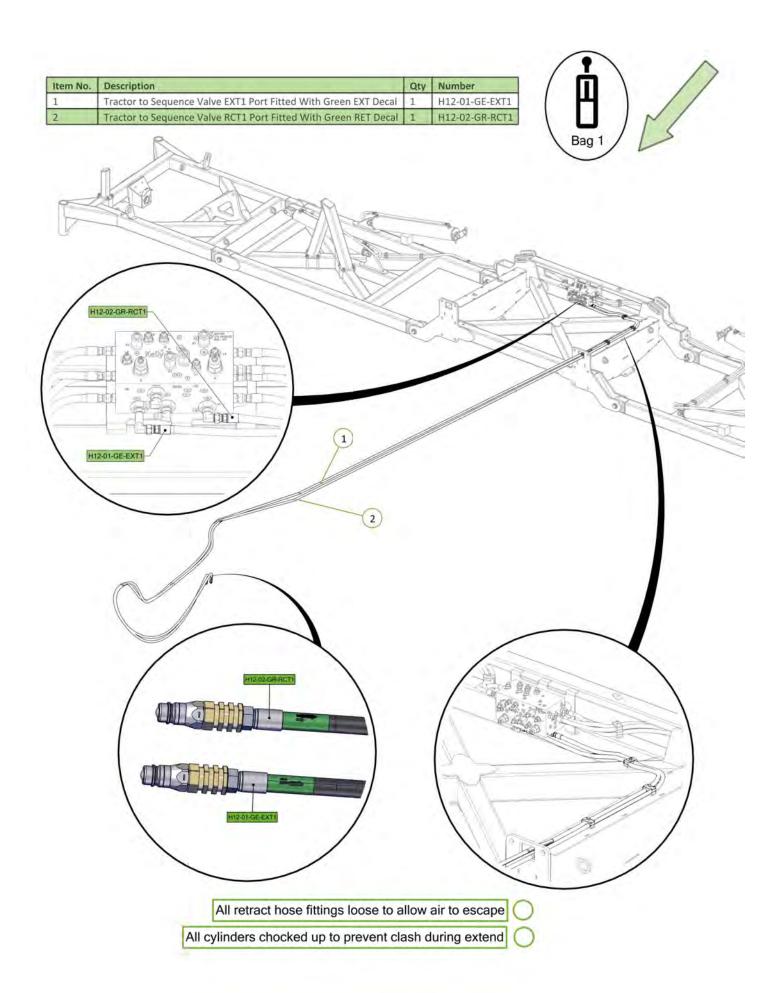


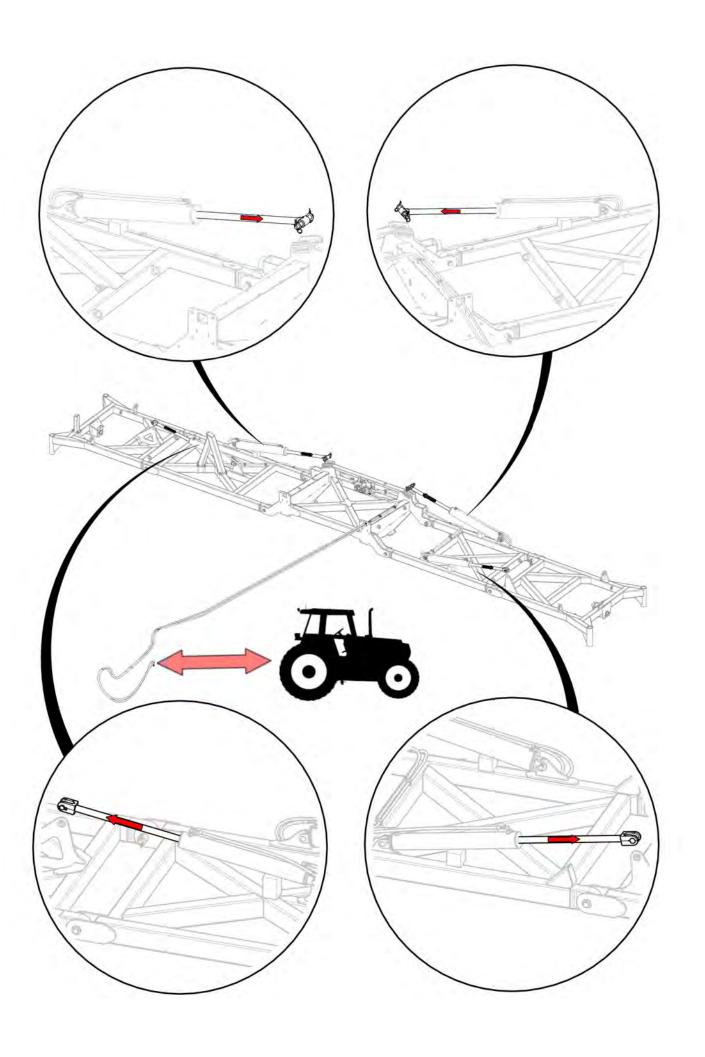
Item No.	Description		Number	
1	RE Port to RH Outer Wing Cylinder Extend Port	1	H12-23	
2	RR Port to RH Outer Wing Cylinder Retract Port	1	H12-24	

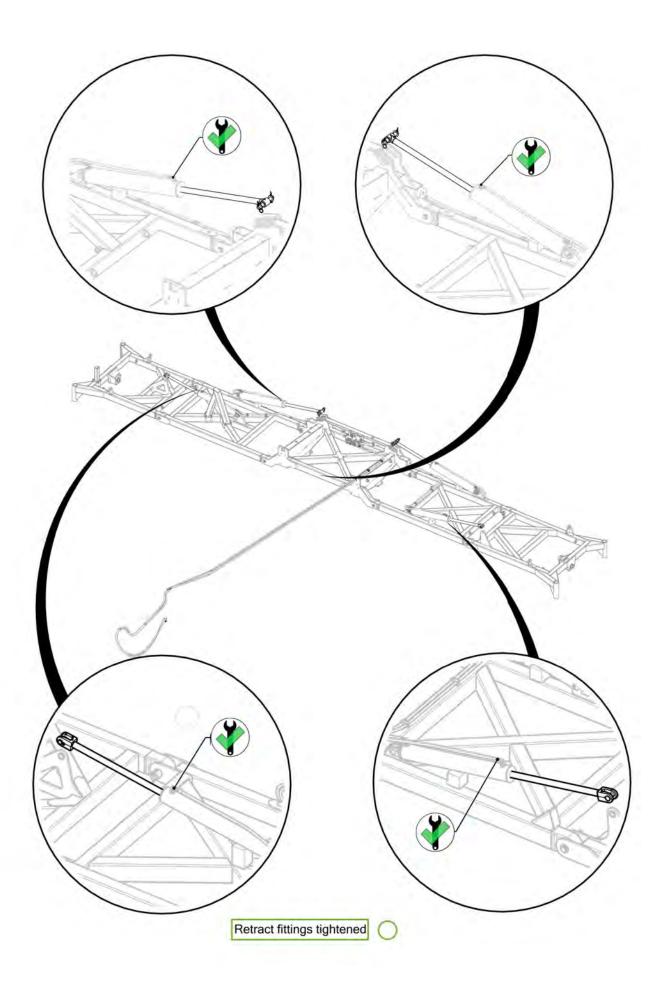


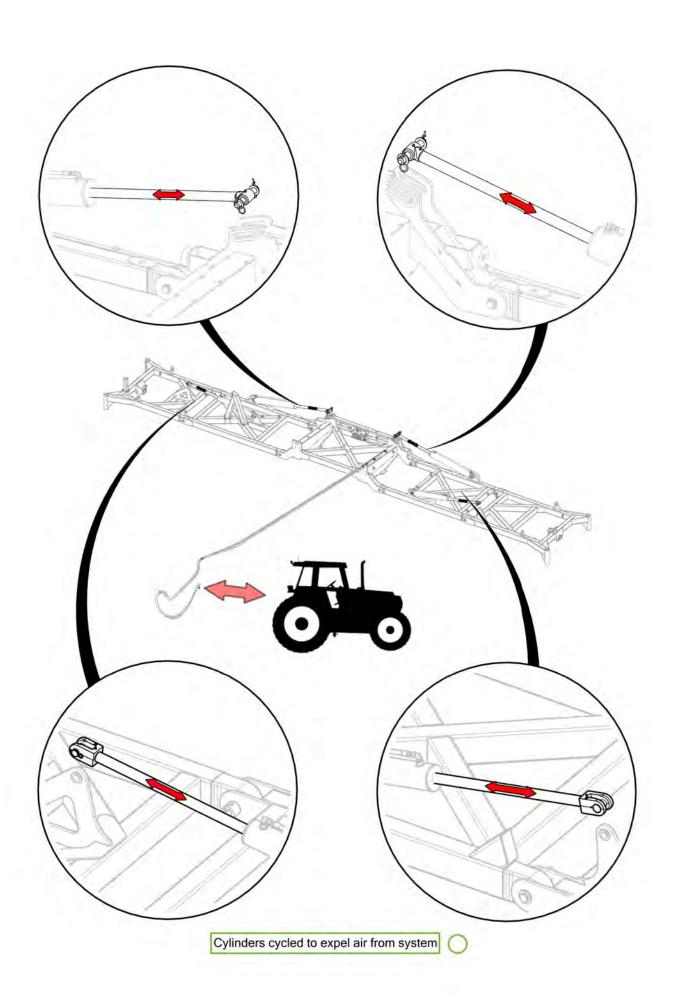


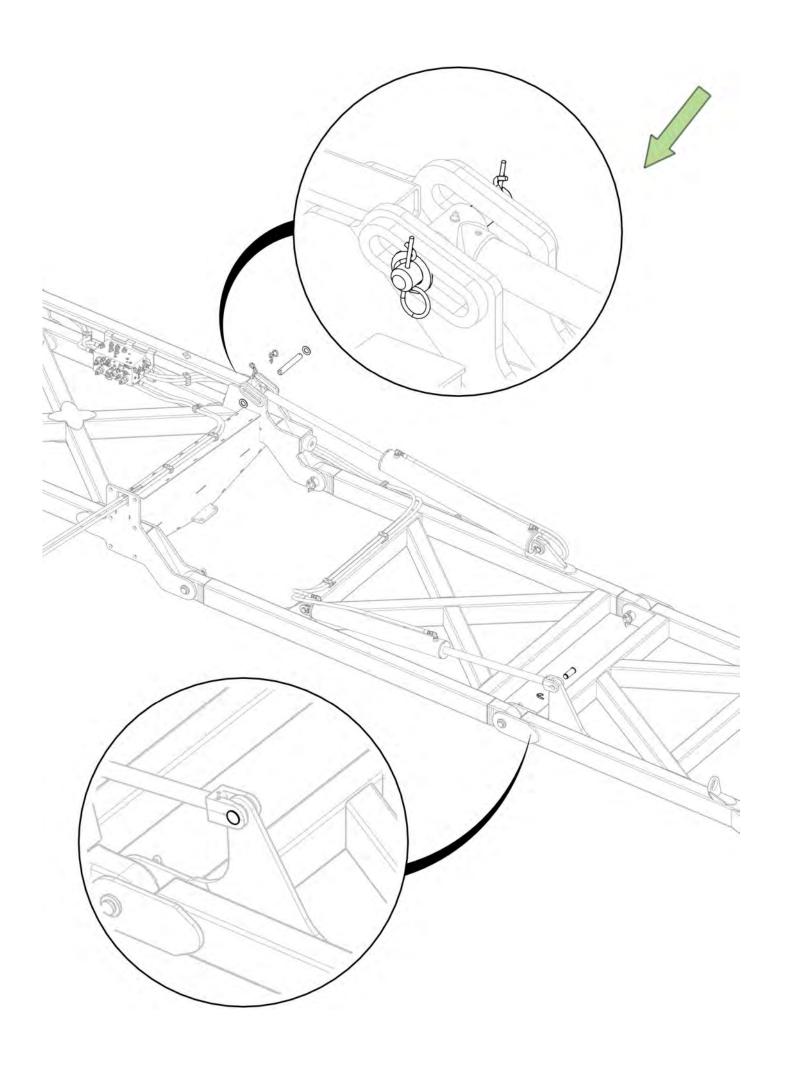


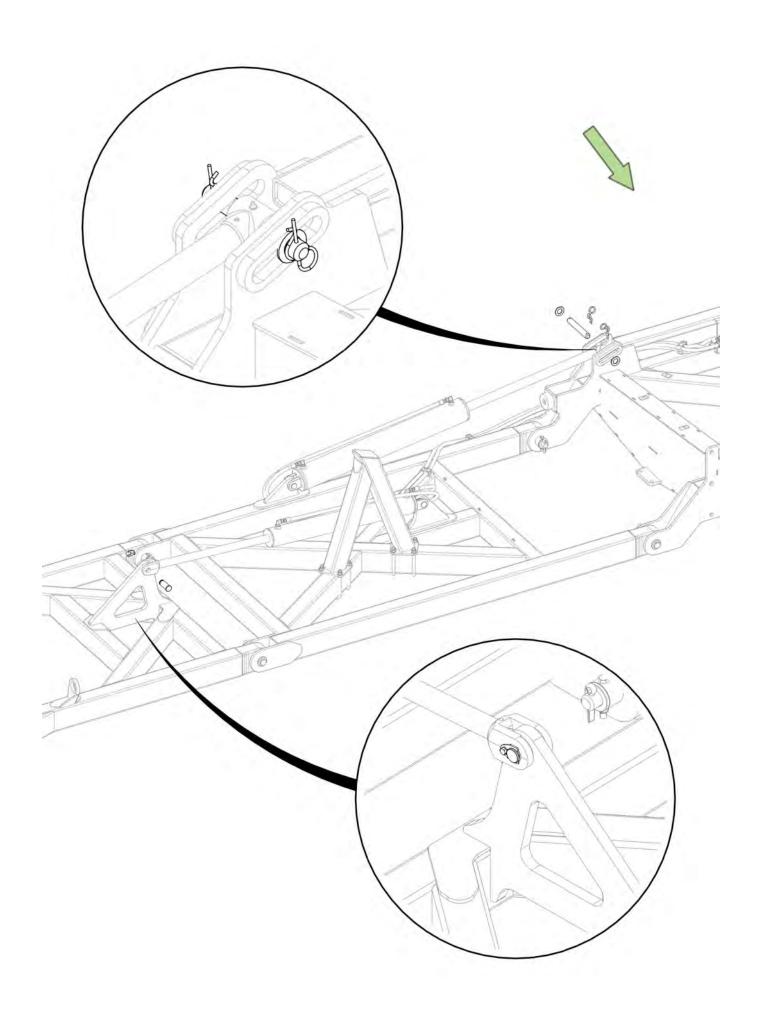








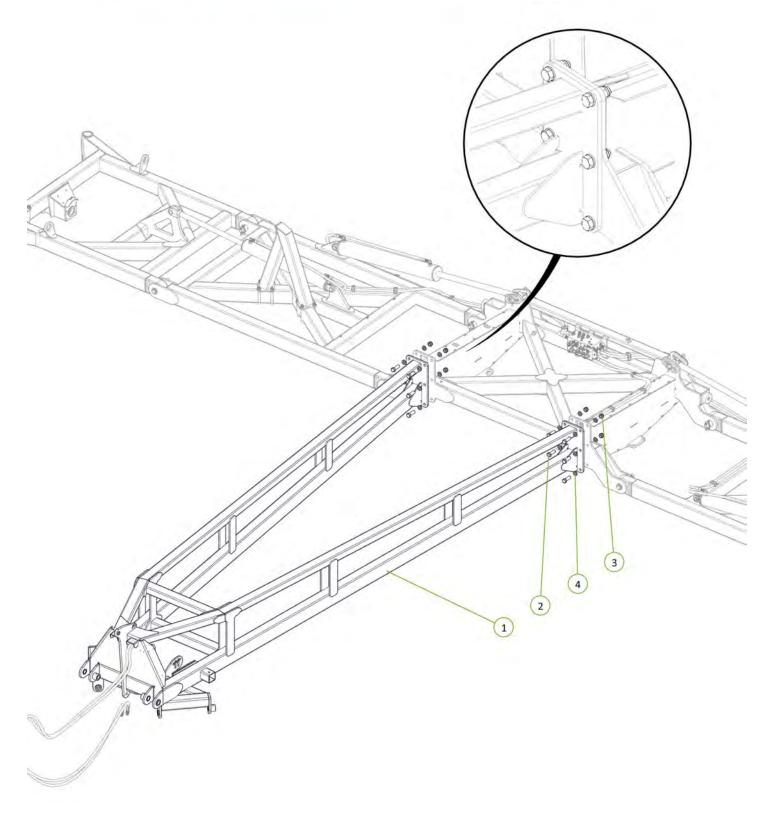




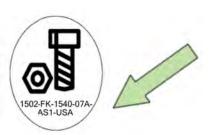
Item No.	Description	Qty	Number
1	Front A Frame	1	1540-02
2	M24 x 75 grade 8.8 zp Bolt	12	0211-2475
3	Nyloc Nut M24	12	0221-NYL24
4	Washer Flat M24	24	0231-F24

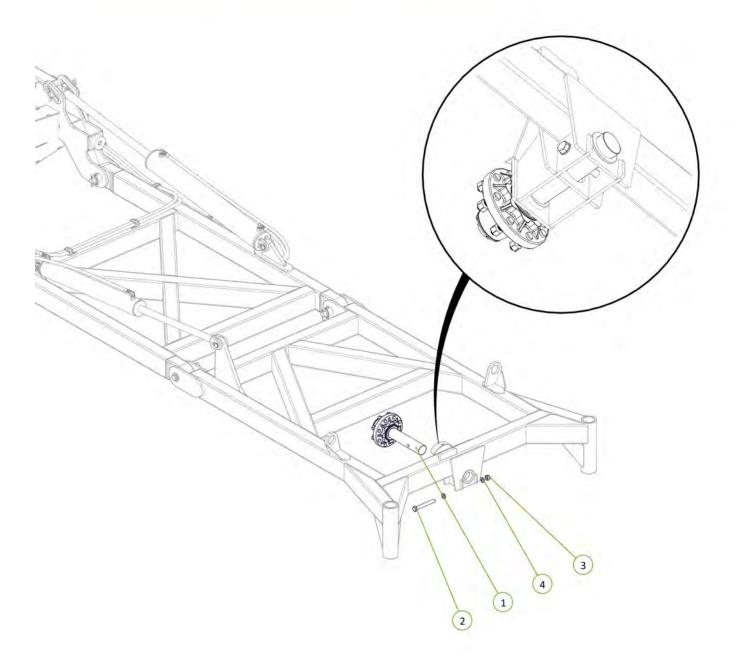




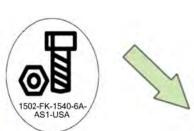


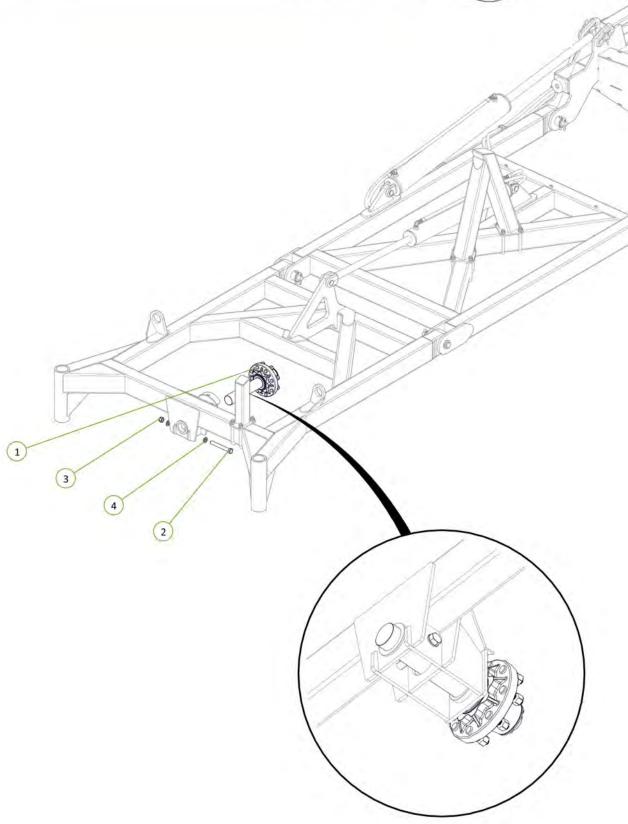
Item No.	Description	Qty	Number
1	2.75"R C/W 6 tonne 8 on 8" PCD Complete Assembly inc GS	1	0733-LG6080067
2	M20 x 170 grade 8.8 ZP Bolt	1	0211-20170
3	Nyloc Nut M20	1	0221-NYL20
4	Washer Flat M20	2	0231-F20



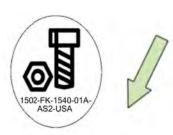


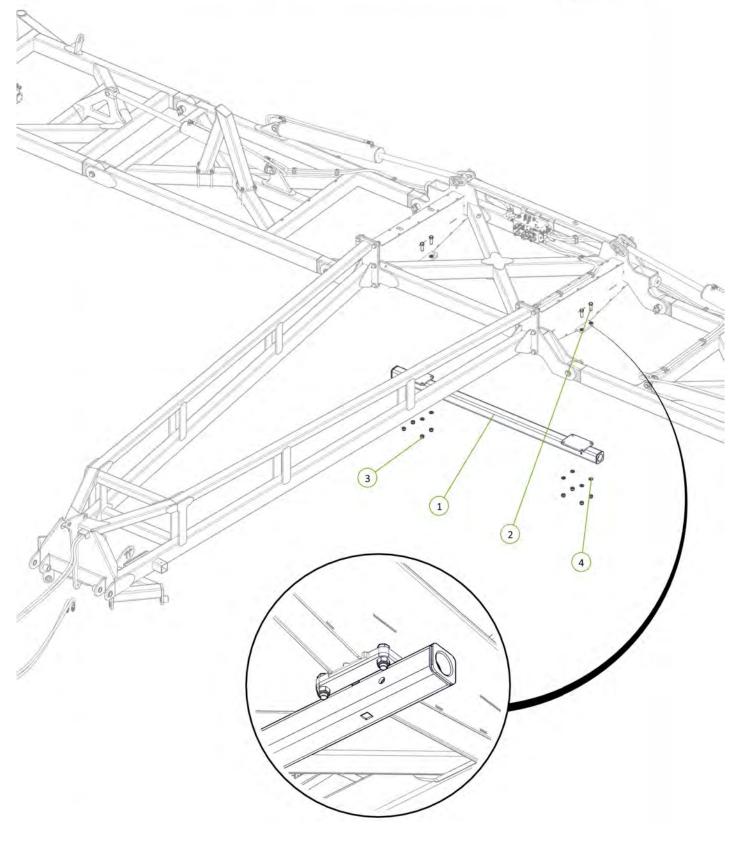
Item No.	Description	Qty	Number
1	2.75"R C/W 6 tonne 8 on 8" PCD Complete Assembly inc GS	1	0733-LG6080067
2	M20 x 170 grade 8.8 ZP Bolt	1	0211-20170
3	Nyloc Nut M20	1	0221-NYL20
4	Washer Flat M20	2	0231-F20





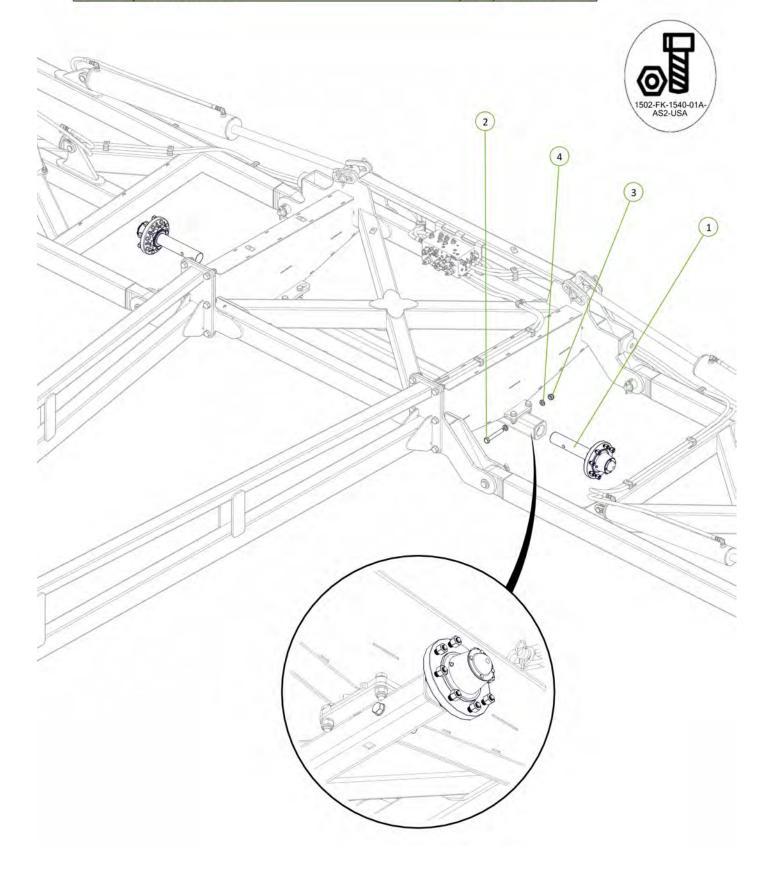
Item No.	Description	Qty	Number
1	12m Axle Beam	1	1540-11
2	M20 x 65 Grade 8.8 ZP Bolt	8	0211-2065
3	Nyloc Nut M20	8	0221-NYL20
4	Washer Flat M20	16	0231-F20





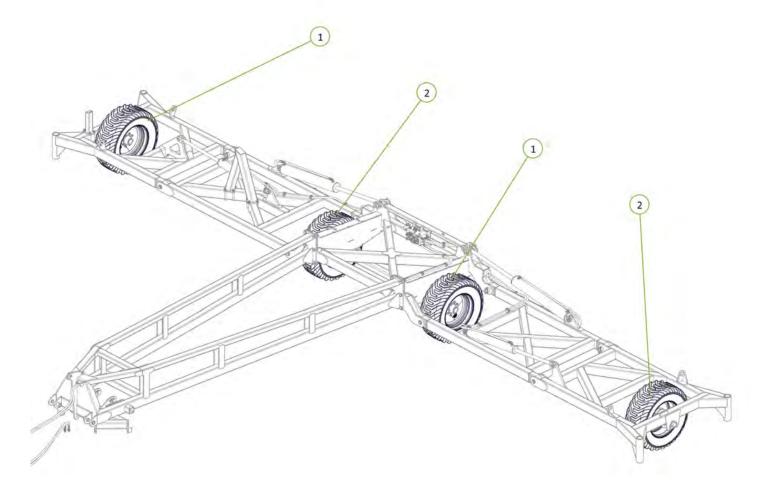
Item No.	Description	Qty	Number
1	2.75"R C/W 6 tonne 8 on 8" PCD Complete Assembly inc GS	2	0733-LG6080067
2	M20 x 140 grade 8.8 ZP Bolt	2	0211-20140
3	Nyloc Nut M20	2	0221-NYL20
4	Washer Flat M20	4	0231-F20





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





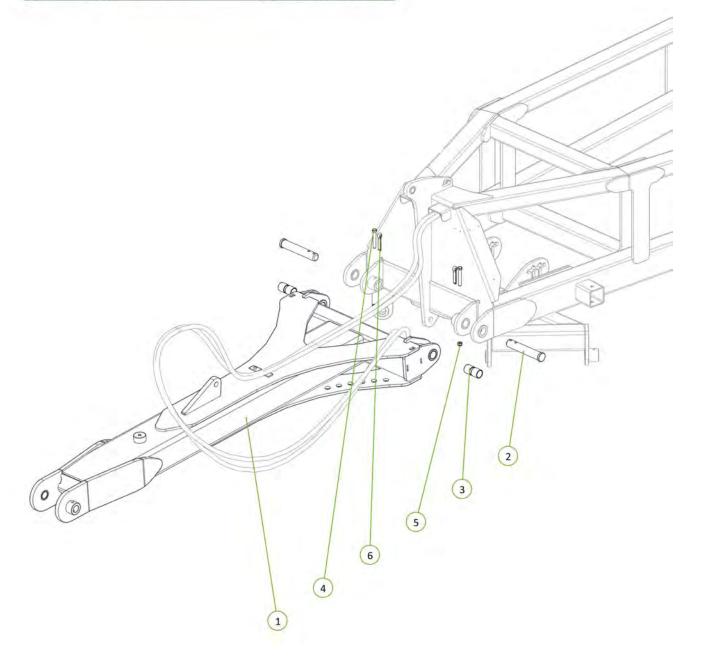
All wheel nuts tightened to 100ft-lb / 140Nm



Item No.	Description	Qty	Number
1	Tapered T-Bar Drawbar	1	1510-08-2
2	Walking Axle Linkage Pivot Pin	2	1601-P38-220
3	Drawbar Pivot Bush	4	0801-B423838
4	M12 x 90 Class 10.9 ZP Bolt	2	0211-1290HT
5	Nyloc Nut M12	2	0221-NYL12
6	Cotter Pin M13 x 63	2	0261-PINC1363

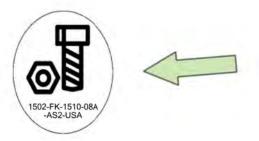


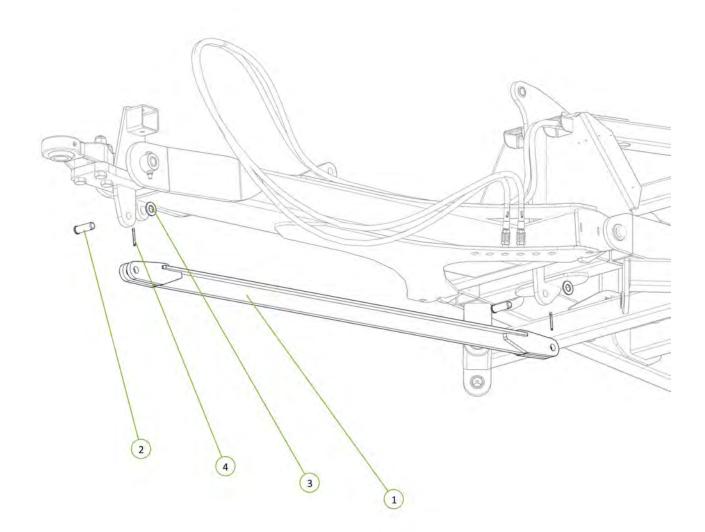




Tow Hitch For Bull Pull Swivel Hitch M12 x 90 Class 10.9 ZP Bolt Tow Hitch Pivot Pin Nyloc Nut M12 Bull Pull Swivel Hitch CAT 4 wt 1-1/2' Insert 1 0801-BPF-CAT-4JDF-2 1" UNF Grade 8 ZP Bolt x 5-1/2" Nyloc Nut 1" UNF 3 0223-NYL1	Tow Hitch For Bull Pull Swivel Hitch M12 x 90 Class 10.9 ZP Bolt Tow Hitch Pivot Pin Nyloc Nut M12	1	
M12 x 90 Class 10.9 ZP Bolt 2	M12 x 90 Class 10.9 ZP Bolt Tow Hitch Pivot Pin Nyloc Nut M12	_	0810-09-BP
Tow Hitch Pivot Pin 1 0801-10-14 Nyloc Nut M12 2 0221-NYL12 Bull Pull Swivel Hitch CAT 4 wt 1-1/2' Insert 1 0801-8PF-CAT-4JDF-2 1" UNF Grade 8 ZP Bolt x 5-1/2" 3 0213-151-2 Nyloc Nut 1" UNF 3 0223-NYL1 35 ID x 50mm DX Bush 2 0113-MB3550DX Grease Nipple 1/4" UNF 45" 2 0181-GN1/445	Tow Hitch Pivot Pin Nyloc Nut M12	2	
Nyloc Nut M12 Bull Pull Swivel Hitch CAT 4 wt 1-1/2' Insert 1 0801-BPF-CAT-4JDF-2 1" UNF Grade 8 ZP Bolt x 5-1/2" 3 0213-1 51-2 Nyloc Nut 1" UNF 3 0223-NYL1 35 ID x 50mm DX Bush 2 0113-MB3550DX Grease Nipple 1/4" UNF 45° 2 0181-GN1/445	Nyloc Nut M12	_	
Bull Pull Swivel Hitch CAT 4 wt 1-1/2' Insert 1 0801-BPF-CAT-4JDF-2 1" UNF Grade 8 ZP Bolt x 5-1/2" 3 0213-1 51-2 Nyloc Nut 1" UNF 3 0223-NYL1 35 ID x 50mm DX Bush 2 0113-MB3550DX Grease Nipple 1/4" UNF 45° 2 0181-GN1/445		_	
1" UNF Grade 8 ZP Bolt x 5-1/2" Nyloc Nut 1" UNF 3 0223-NYL1 35 ID x 50mm DX Bush Grease Nipple 1/4" UNF 45" 2 0181-GN1/445			
Nyloc Nut 1" UNF 3 0223-NYL1 35 ID x 50mm DX Bush 2 0113-MB3550DX Grease Nipple 1/4" UNF 45" 2 0181-GN1/445			0212 1 51 2
35 ID x 50mm DX Bush 2 0113-MB3550DX Grease Nipple 1/4" UNF 45° 2 0181-GN1/445		_	100011010101011
Grease Nipple 1/4" UNF 45° 2 0181-GN1/445		_	
		_	
(4)	5	-	8

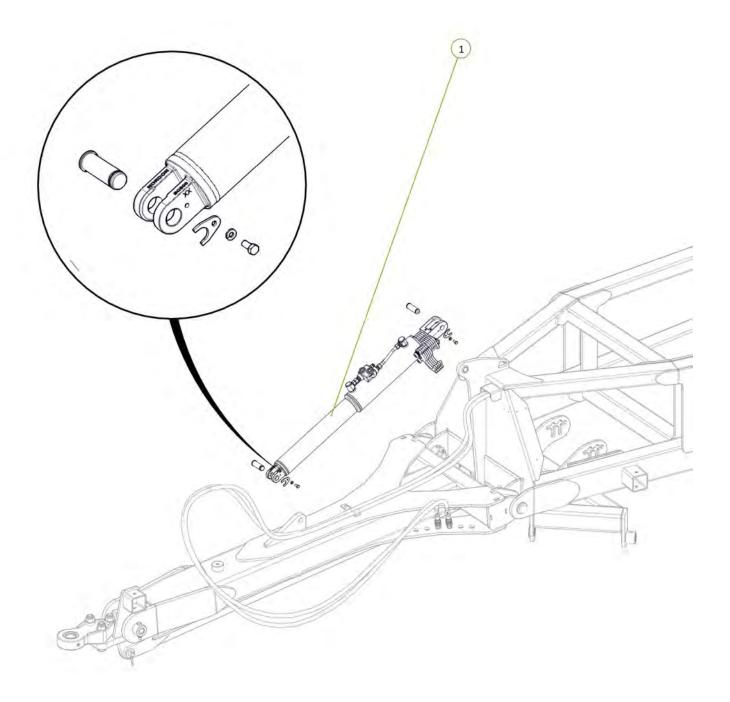
Item No.	Description	Qty	Number
1	Parallel Arm	1	0810-58
2	Clevis Pin 25mm x 75mm	2	0801-KE0307-1
3	Washer Flat 1"	2	0232-F1
4	Cotter Pin M5 x 50	2	0261-PINC550





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

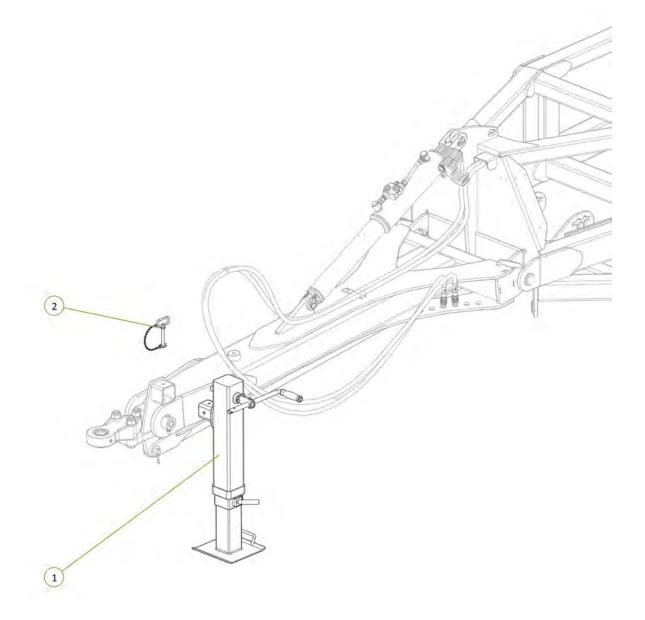




Item No.	Description	Qty	Number
1	US4t Heavy Duty Jack inc Handle	1	0810-37-US
2	Jack Pin	1	0801-B3077



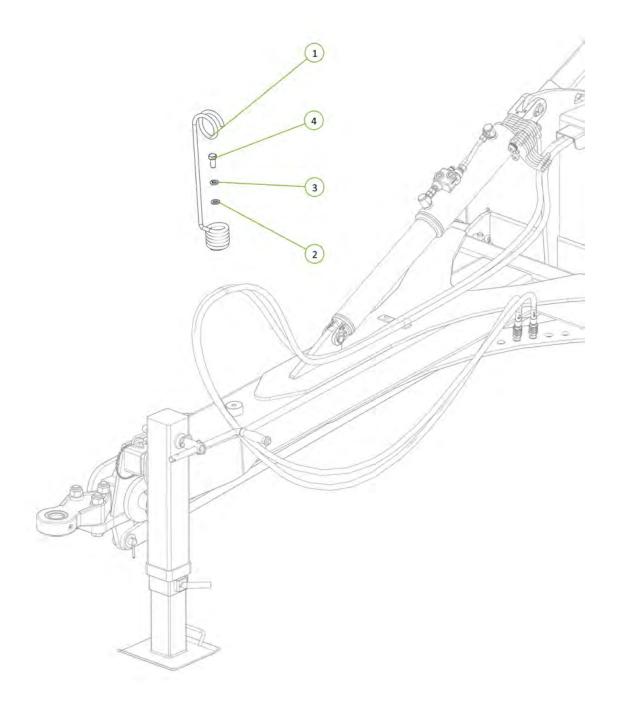


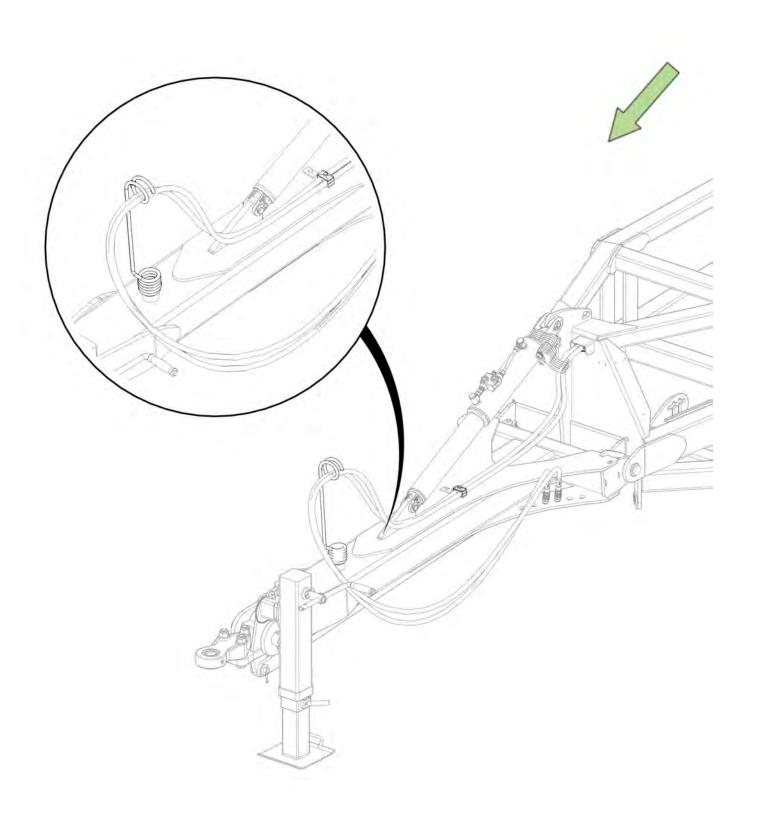


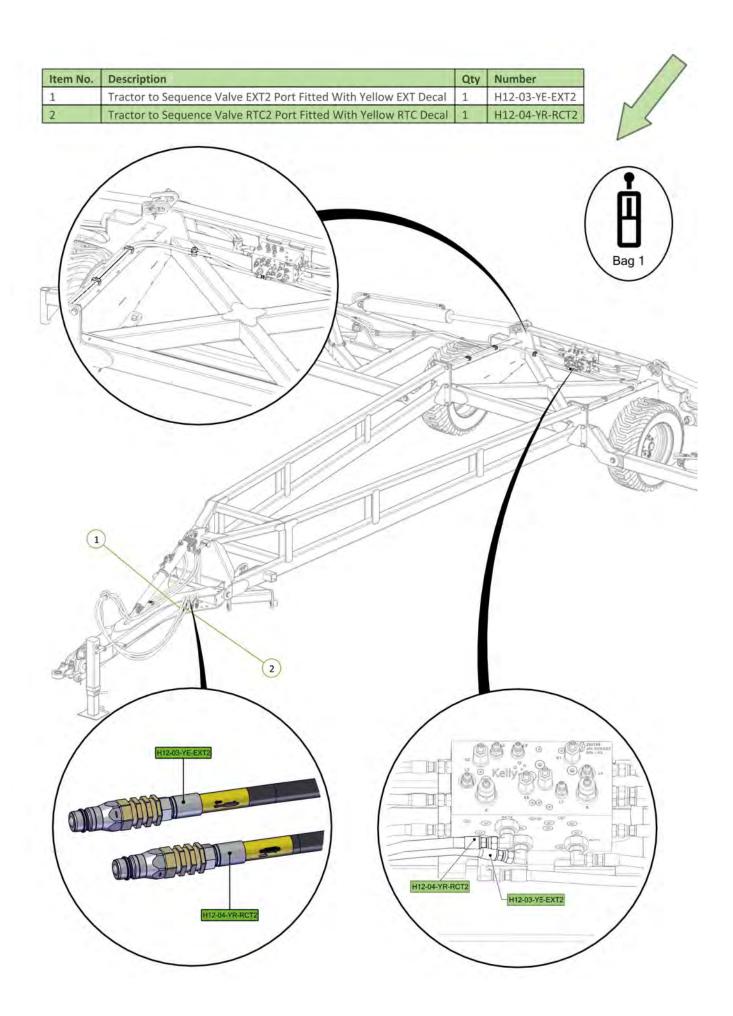
Item No.	Description	Qty	Number
1	Hose Post Spring	1	1601-CDB-00-0012
2	Washer Flat M16	1	0231-F16
3	Washer Spring M16	1	0231-S16
4	M16 x 35 grade 8.8 zp Bolt	1	0211-1635

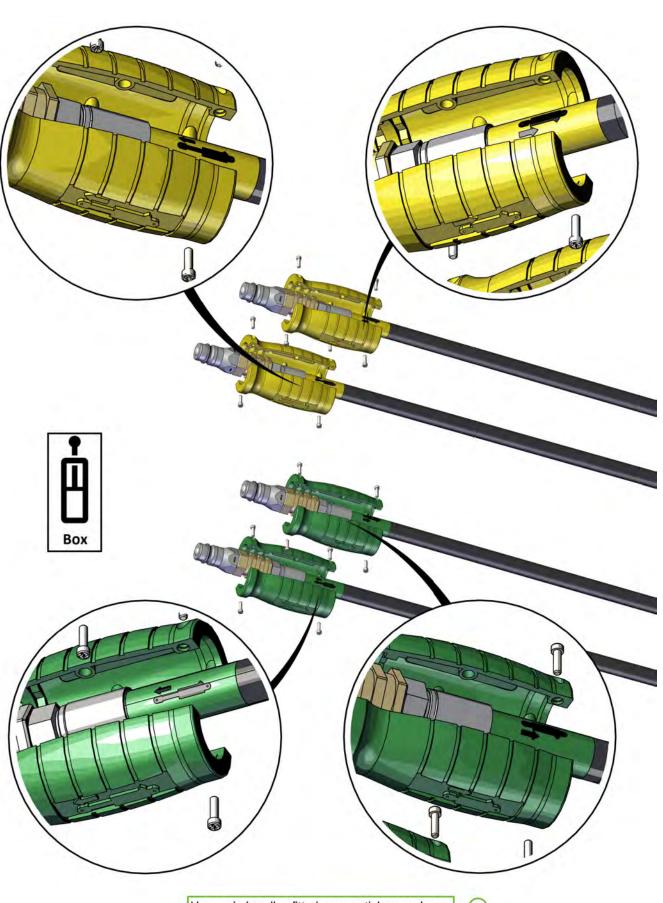




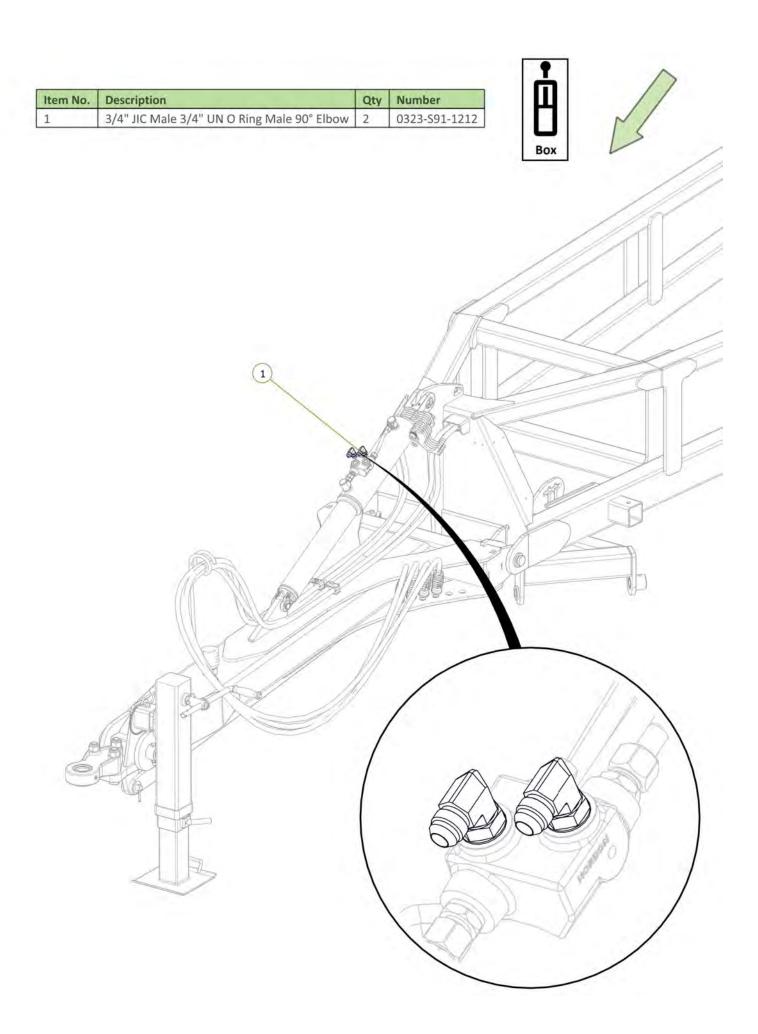


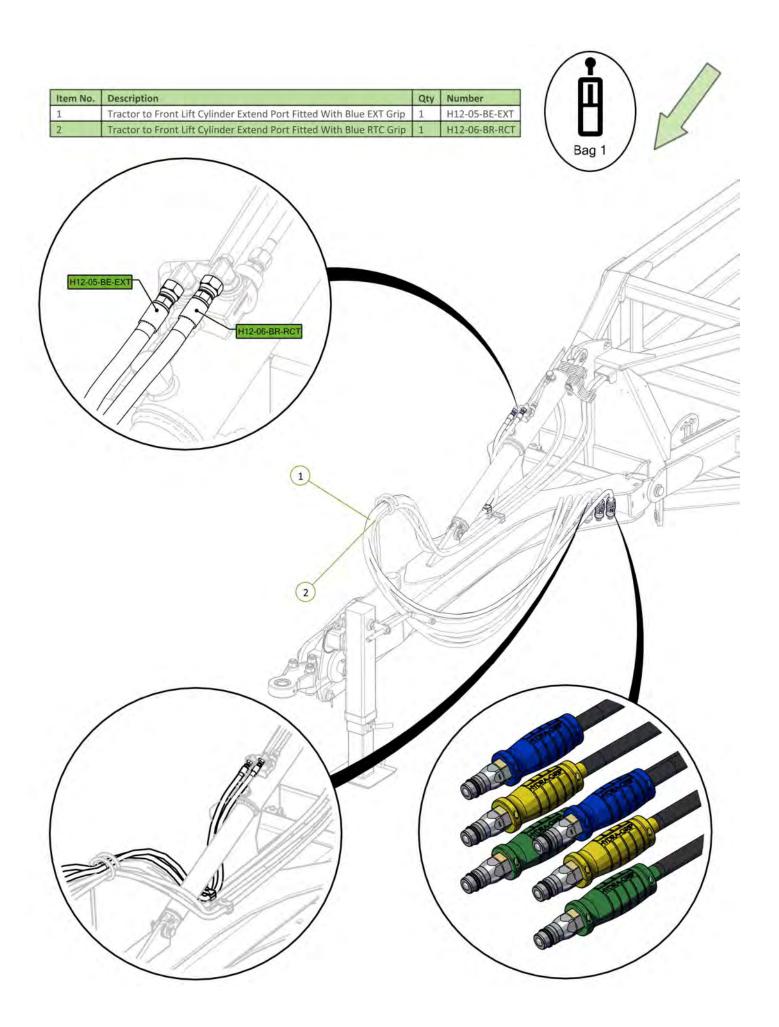


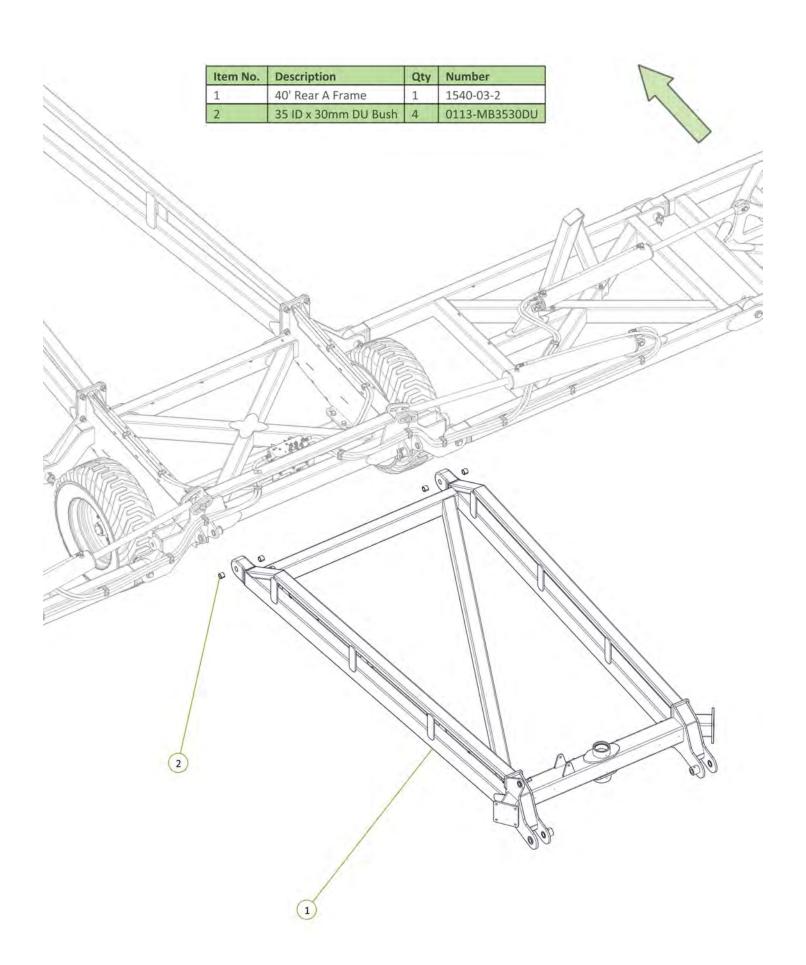


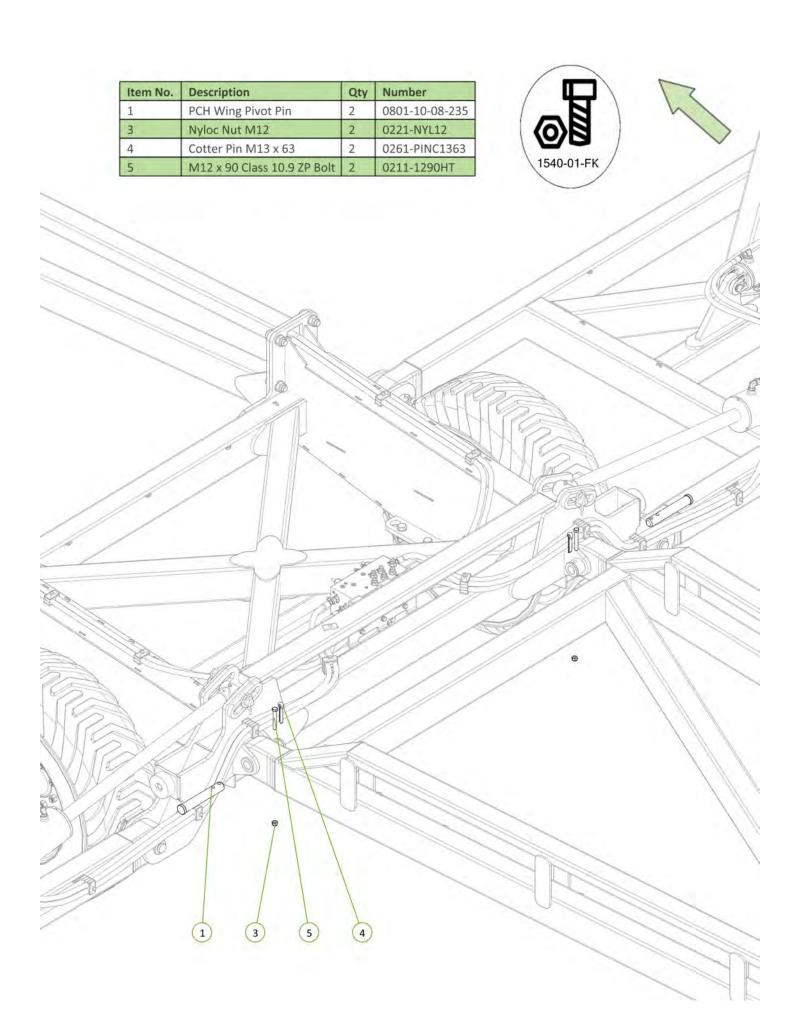


Hose grip handles fitted as per stickers on hoses





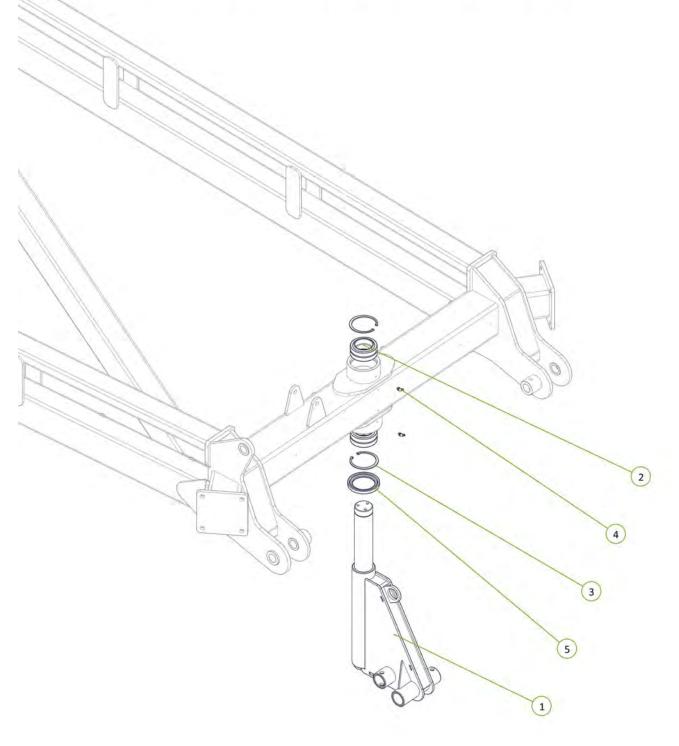




Item No.	Description	Qty	Number
1	70mm Jockey Wheel (Sleeved)	1	1610-12-70
2	Plain Spherical Bearing 70mm	2	0113-GE70DO-2RS
3	Circlip Internal 105mm	2	0171-J105
4	Grease Nipple 1/4" UNF 45°	2	0181-GN1/445
5	Seal 70 x 100 x 10mm	1	0121-TC12681



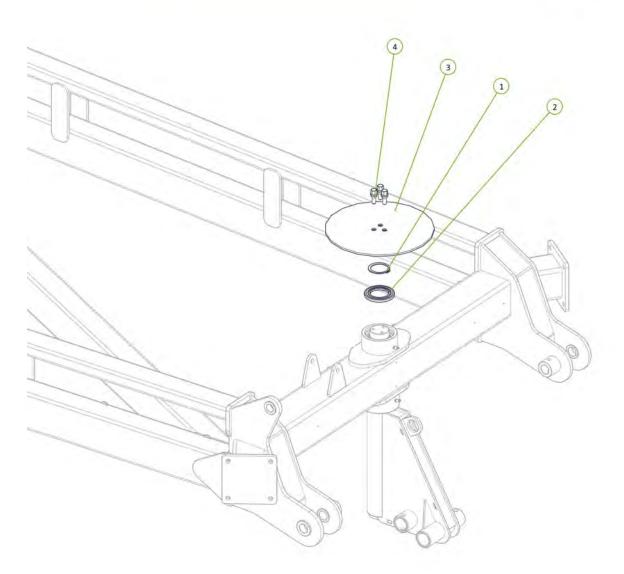




Item No.	Description	Qty	Number
1	Circlip External 70mm	1	0172-D1400-0700APP
2	Seal 70 x 100 x 10mm	1	0121-TC12654
3	Brake Disc	1	1600-405
4	M12 x 24 Wheel Bolt	3	0216-WB1224





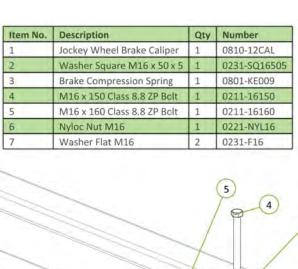


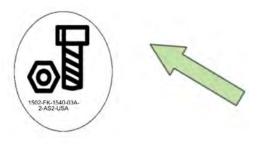
Wheel bolts torqued to 65Ft-Lb / 88Nm

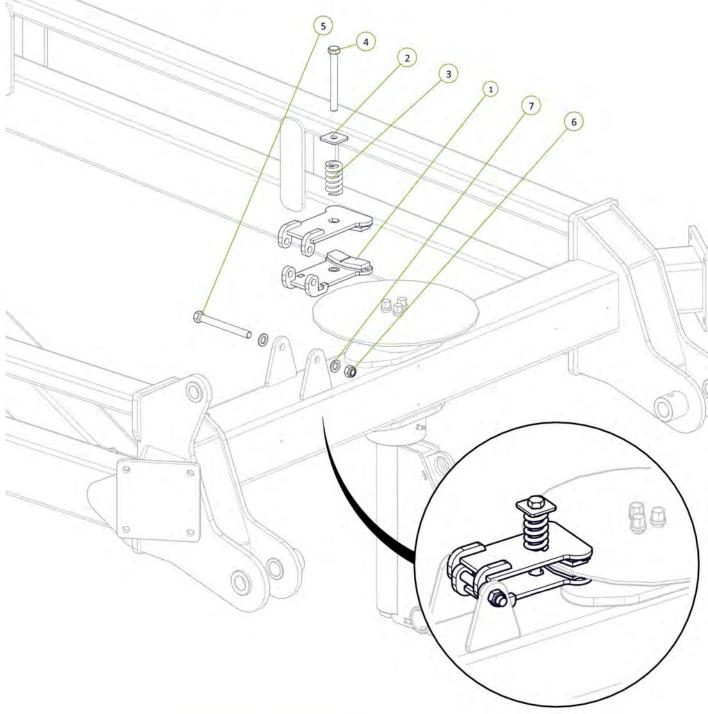
0

Circlip fitted to Jockey Wheel shaft

0



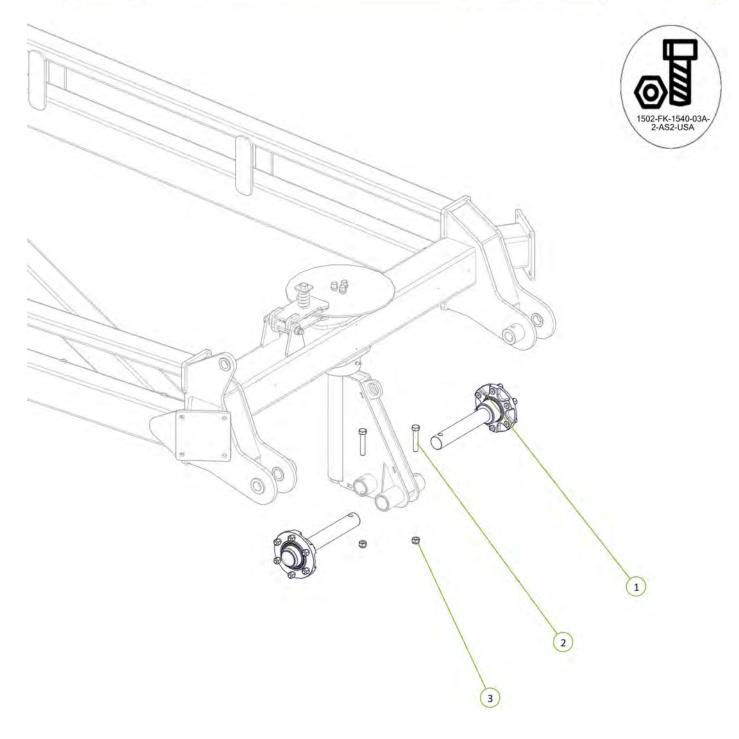


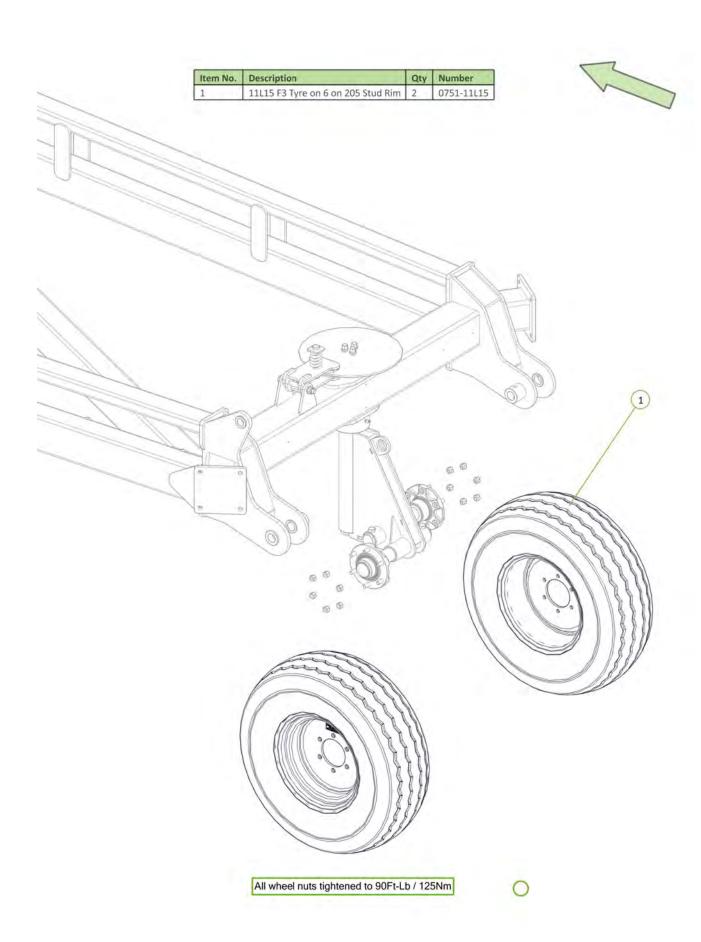


Check tension of brake calliper spring (50-63mm road transport)

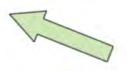
Item No.	Description	Qty	Number
1	Axle 2"R 3T 6 on 6"PCD 330 OHF Complete Assembly Inc GS	2	0733-LG8880093
2	M16 x 90 grade 8.8 zp Bolt	2	0211-1690
3	Nyloc Nut M16	2	0221-NYL16

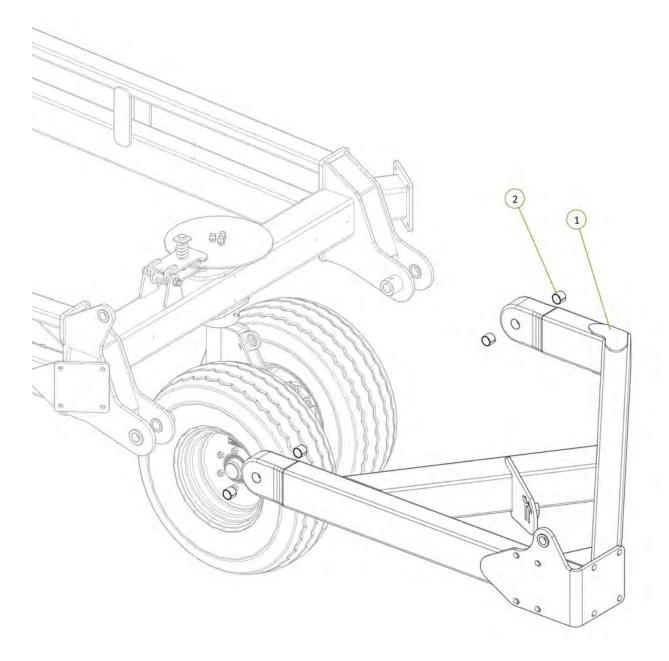






Item No.	Description	Qty	Number
1	Rear Tail	1	1510-405
2	35 ID x 30mm DU Bush	4	0113-MB3530DU

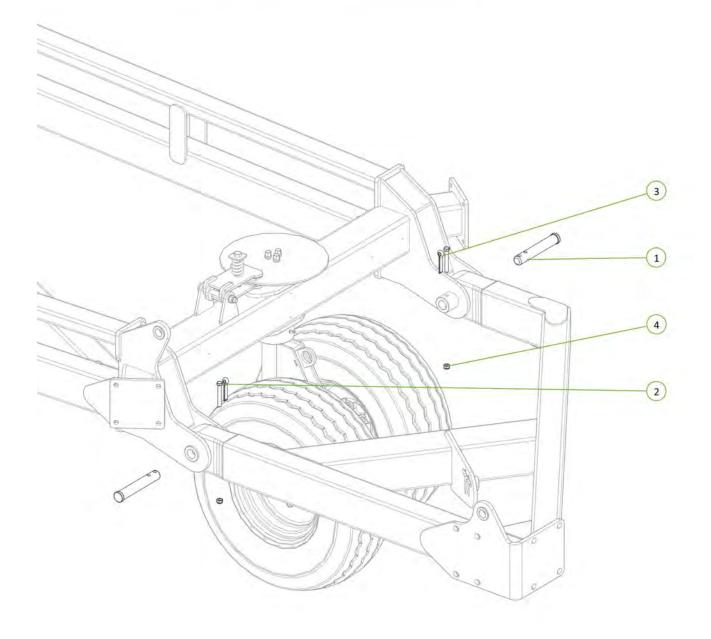




Item No.	Description	Qty	Number
1	PCH Wing Pivot Pin	2	0801-10-08-235
2	M12 x 90 Class 10.9 ZP Bolt	2	0211-1290HT
3	Cotter Pin M13 x 63	2	0261-PINC1363
4	Nyloc Nut M12	2	0221-NYL12

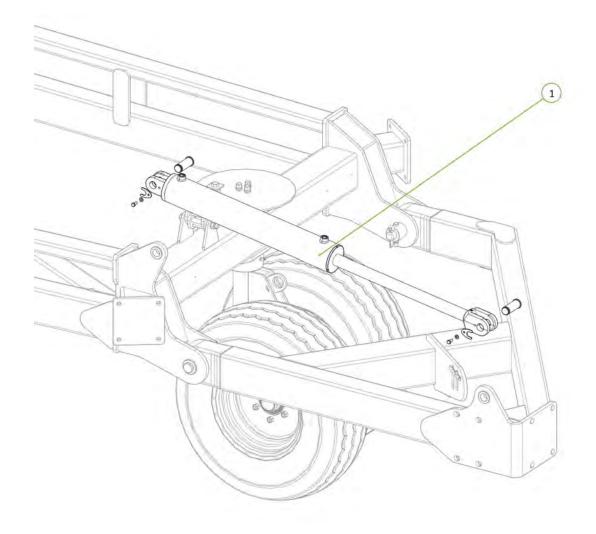






Item No.	Description	Qty	Number
1	4" Bore 24" Stroke 1.75" Rod Hydraulic Cylinder	1	0311-424

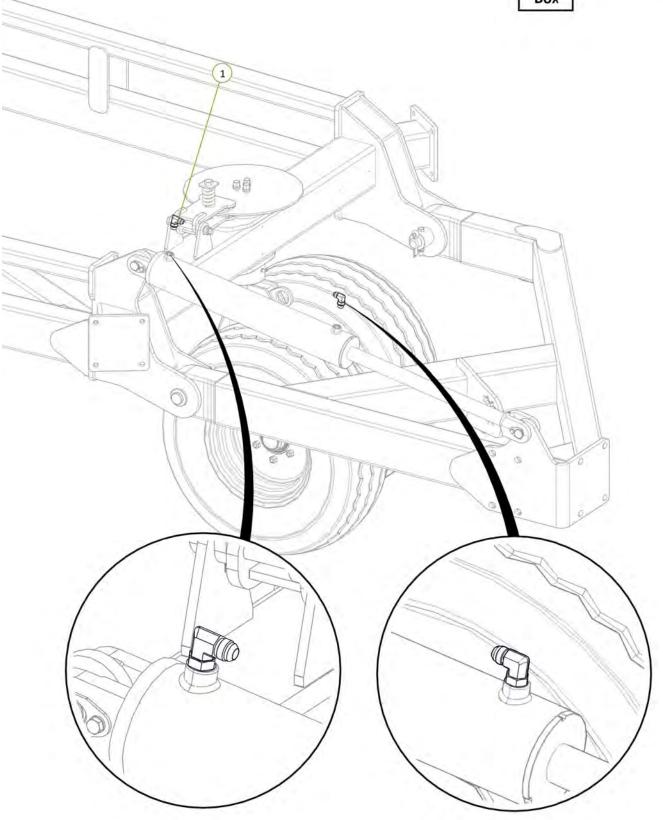


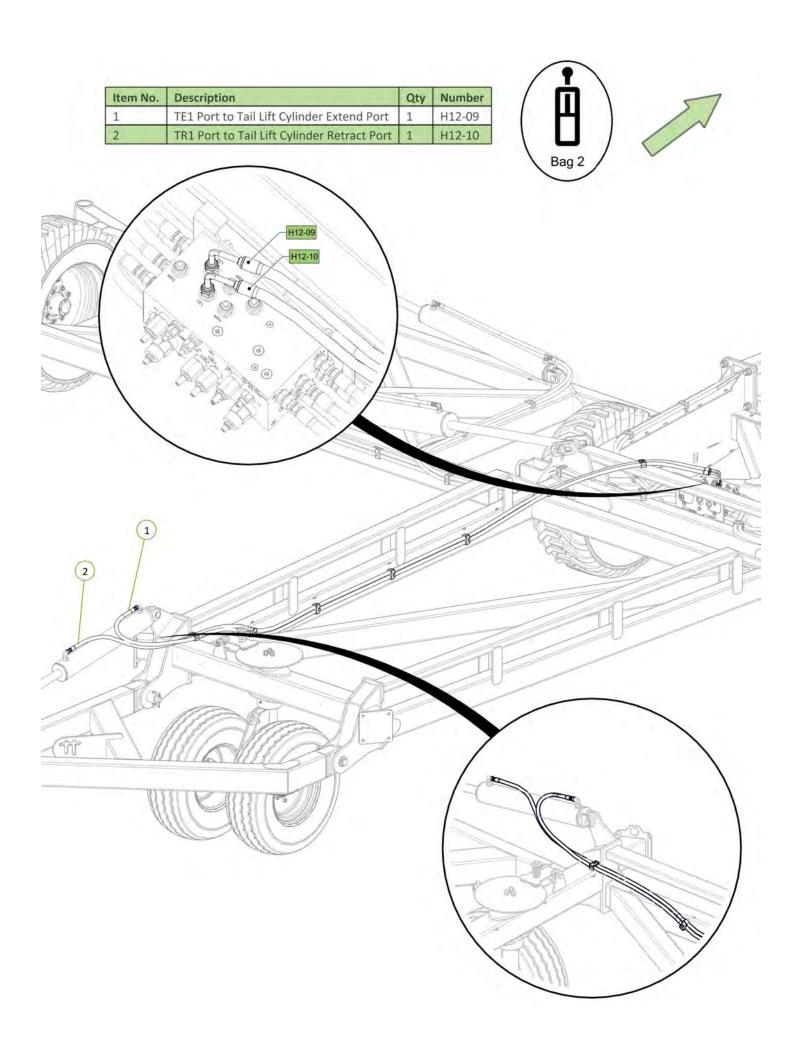


Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212

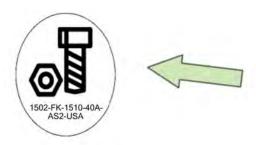


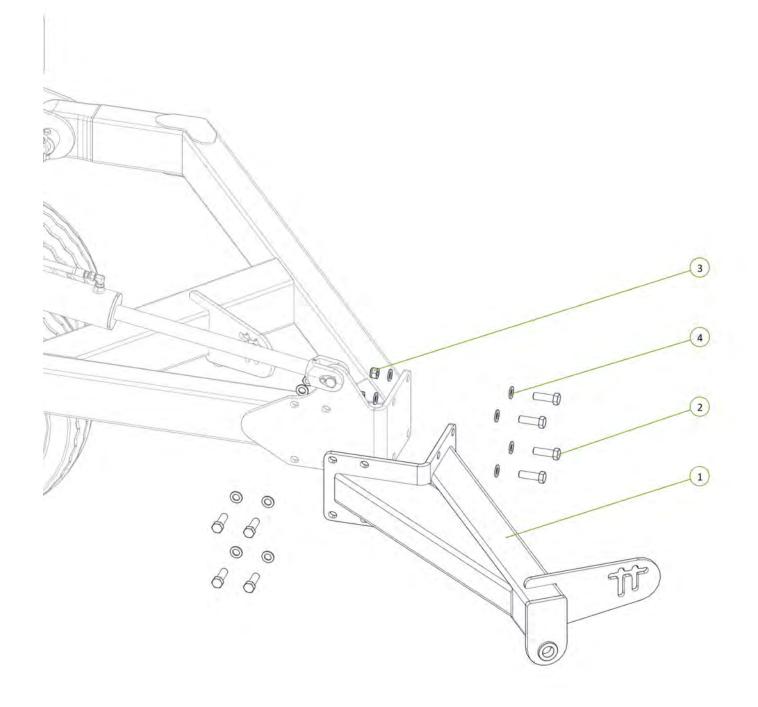




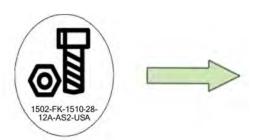


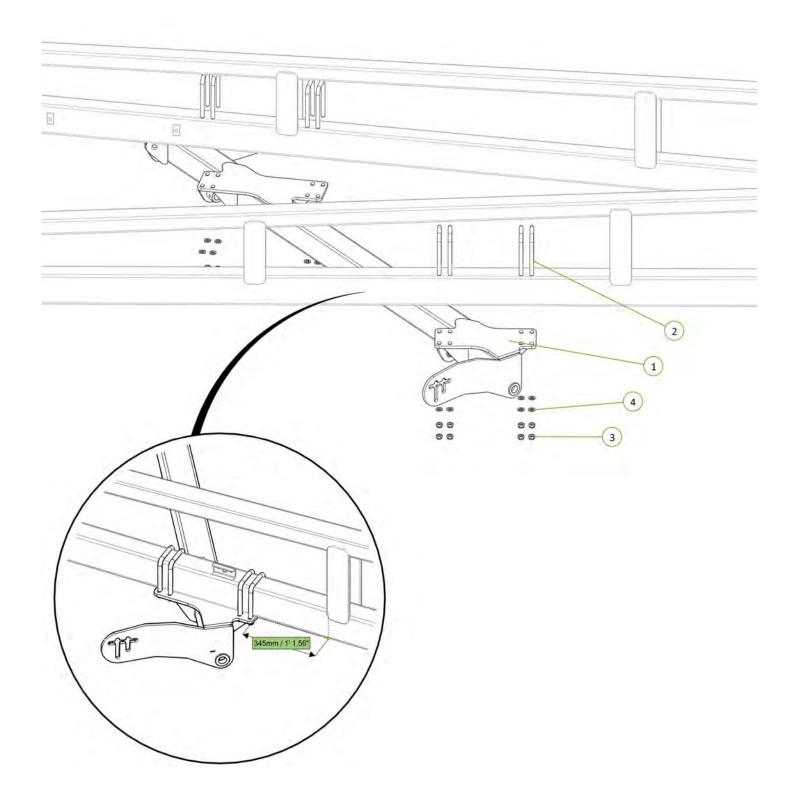
Item No.	Description	Qty	Number
1	Tail Extension	1	1510-40ST
2	M20 x 65 grade 8.8 ZP Bolt	8	0211-2065
3	Nyloc Nut M20	8	0221-NYL20
4	Washer Flat M20	16	0231-F20

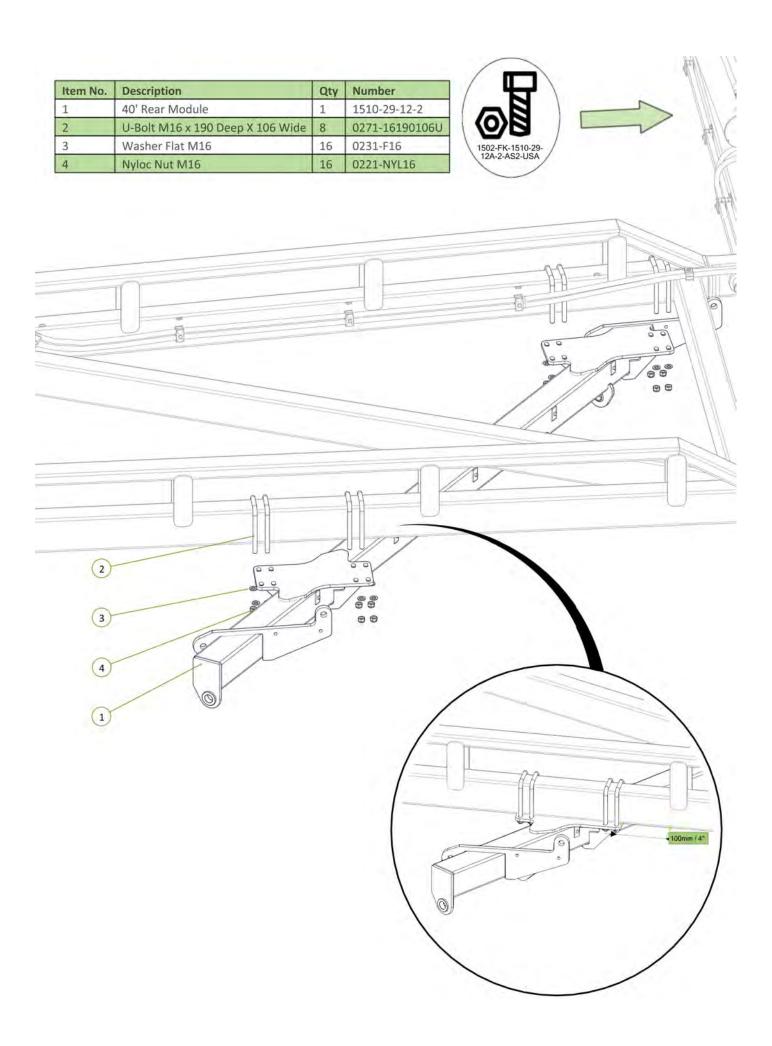


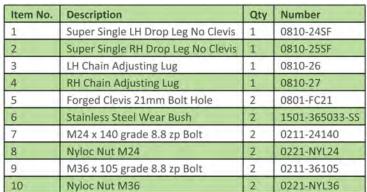


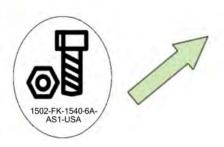
Item No.	Description	Qty	Number
1	40' Front Module	1	1510-28-12
2	U-Bolt M16 x 190 Deep X 106 Wide	8	0271-16190106U
3	Nyloc Nut M16	16	0221-NYL16
4	Washer Flat M16	16	0231-F16

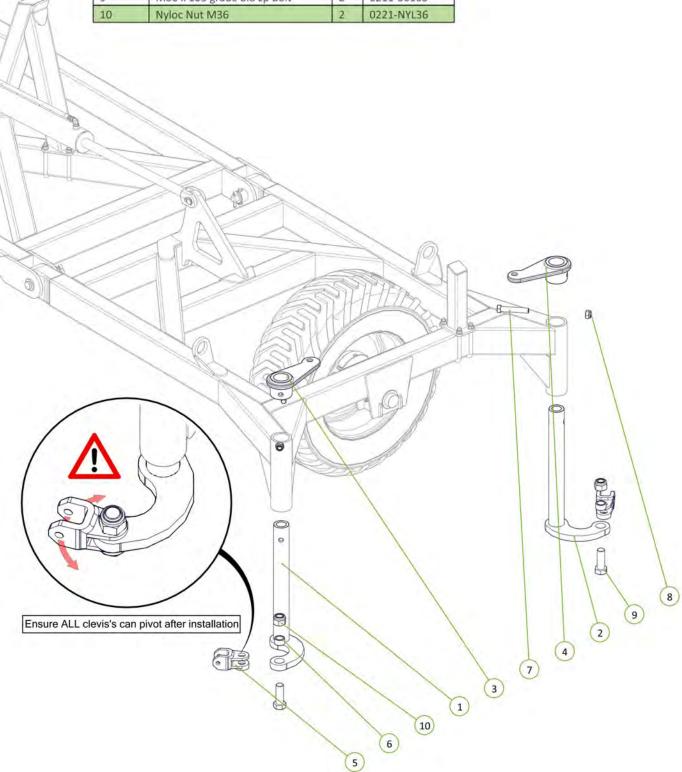


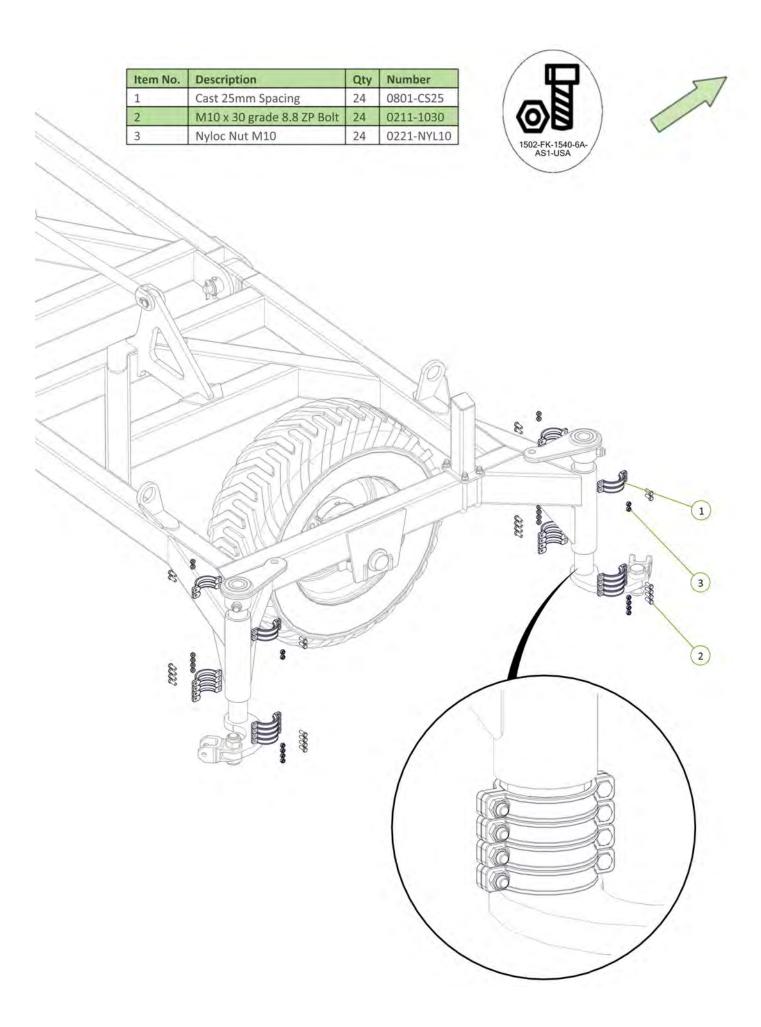








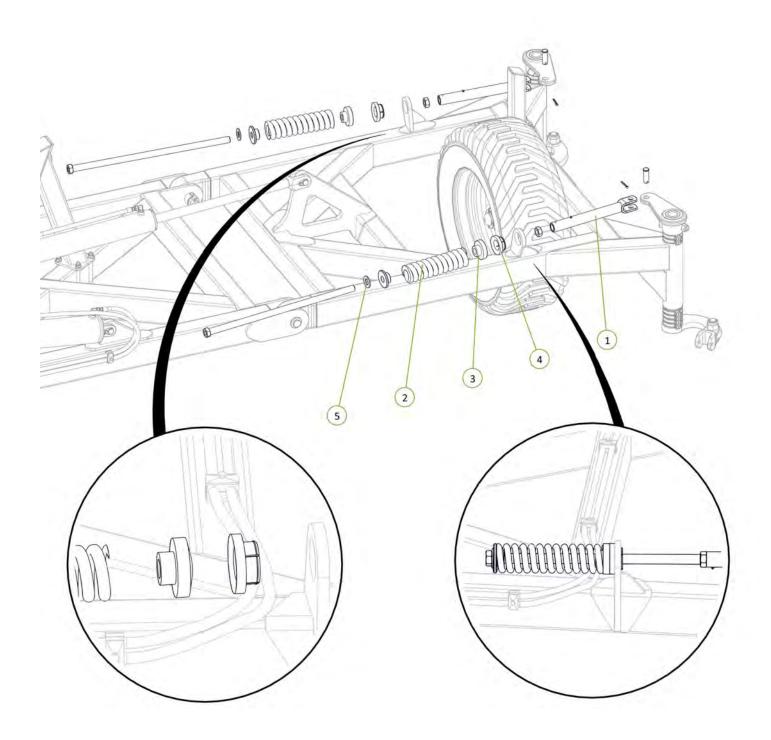


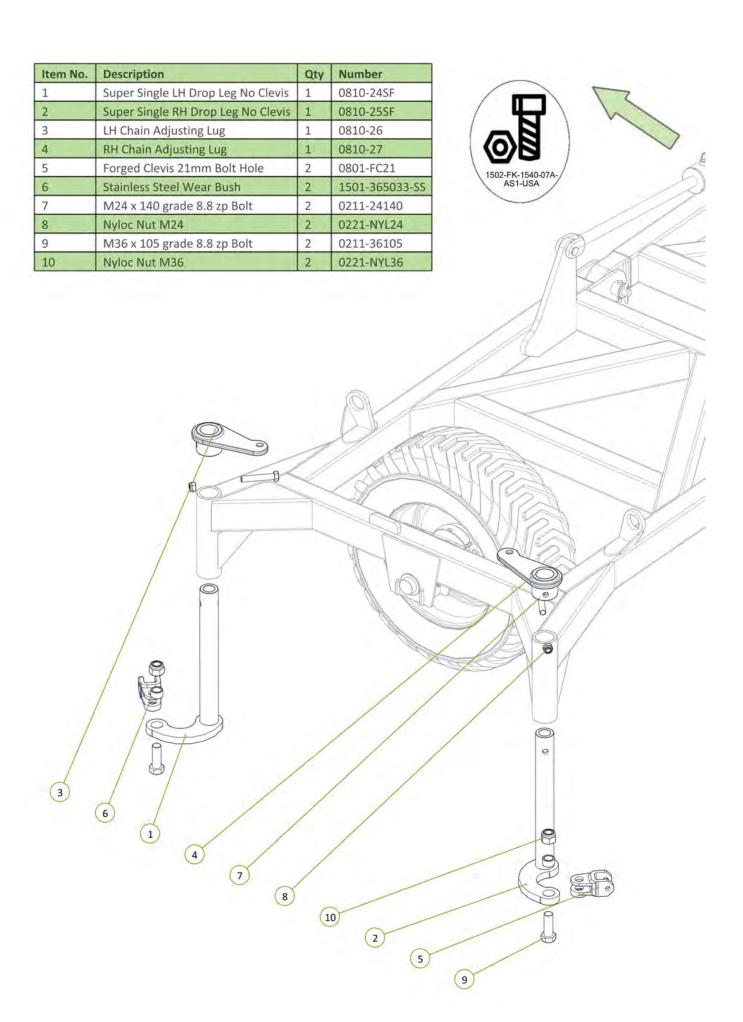


Item No.	Description	Qty	Number
1	Chain Tension Adjustor	2	0802-PCHTA
2	Heavy Duty Coil Spring 24mm	2	0801-K2455350
3	Tensioner Cup - Male	2	0801-KE0805-3
4	Female Spring Locator	2	0801-KE0805-4
5	Washer High Tensile 1 1/4"	2	0232-HT11-4

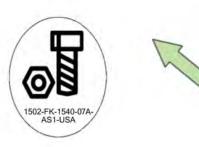


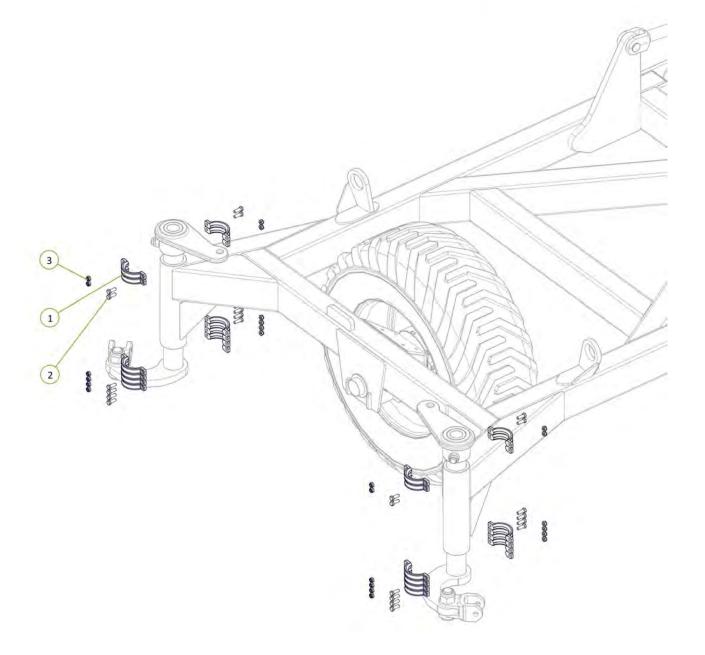






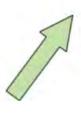
Item No.	Description	Qty	Number	
1	Cast 25mm Spacing	24	0801-CS25	
2	M10 x 30 grade 8.8 ZP Bolt	24	0211-1030	
3	Nyloc Nut M10	24	0221-NYL10	

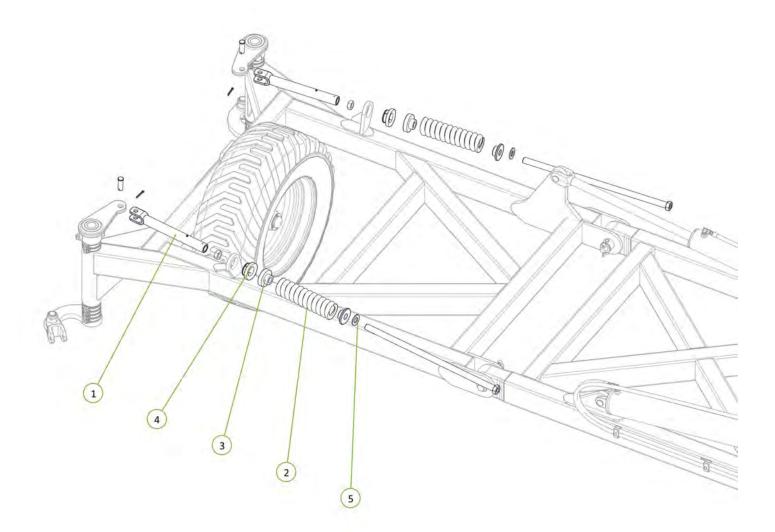


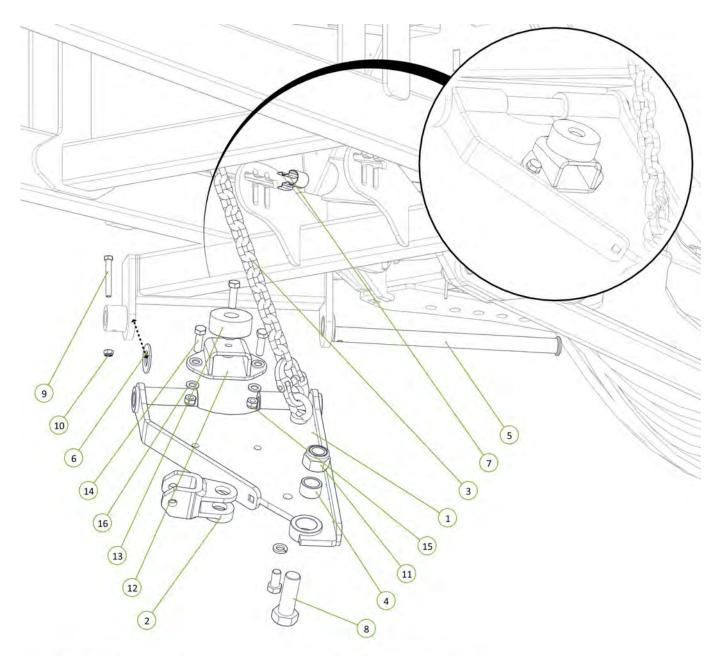


Item No.	Description	Qty	Number
1	Chain Tension Adjustor	2	0802-PCHTA
2	Heavy Duty Coil Spring 24mm	2	0801-K2455350
3	Tensioner Cup - Male	2	0801-KE0805-3
4	Female Spring Locator	2	0801-KE0805-4
5	Washer High Tensile 1 1/4"	2	0232-HT11-4

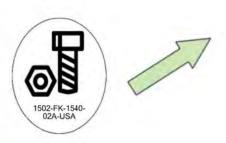


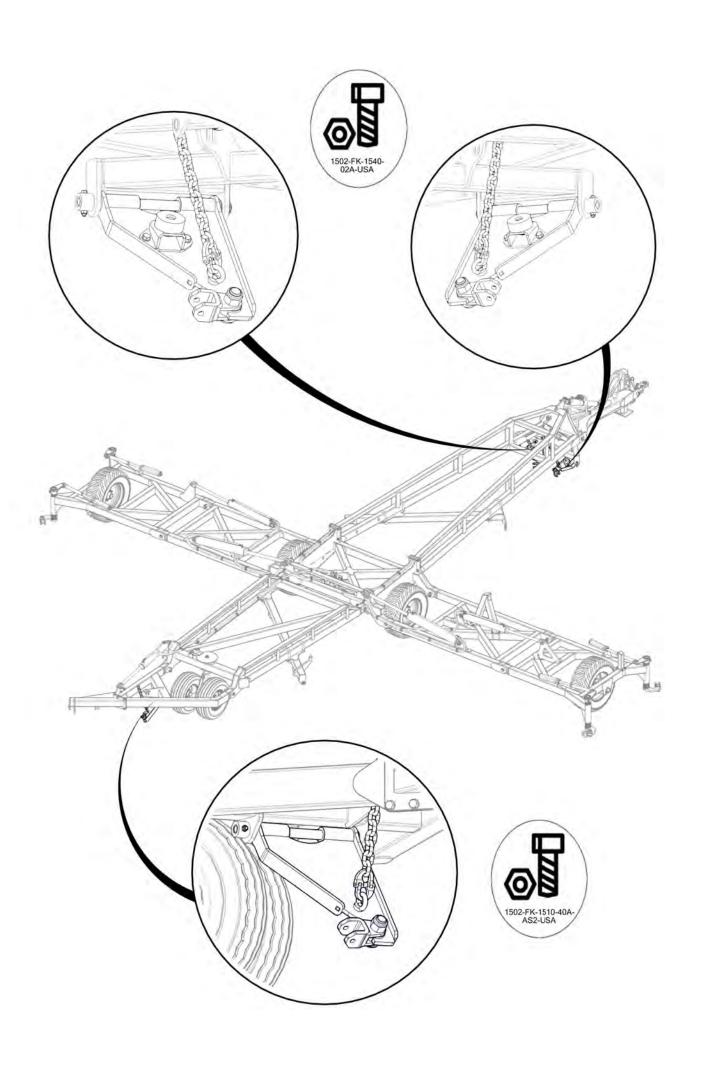




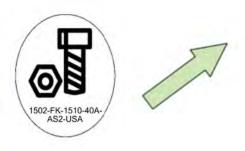


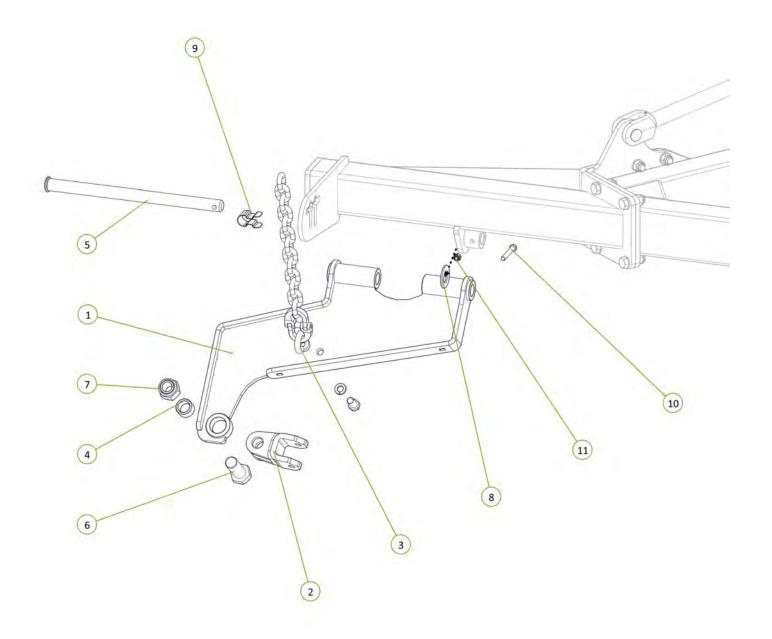
Item No.	Description	Qty	Number	
1	Standard Chain Mount Plate	1	0810-20	
2	Forged Clevis 21mm Bolt Hole	1	0801-FC21	
3	Height Adjusting Chain Assembly 13 Link	1	0801-20MCA	
4	Stainless Steel Wear Bush	1	1501-365033-SS	
5	Chain Mount Pivot Pin	1	0801-10-51	
6	Washer High Tensile 1 3/8"	1	0232-HT13-8	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

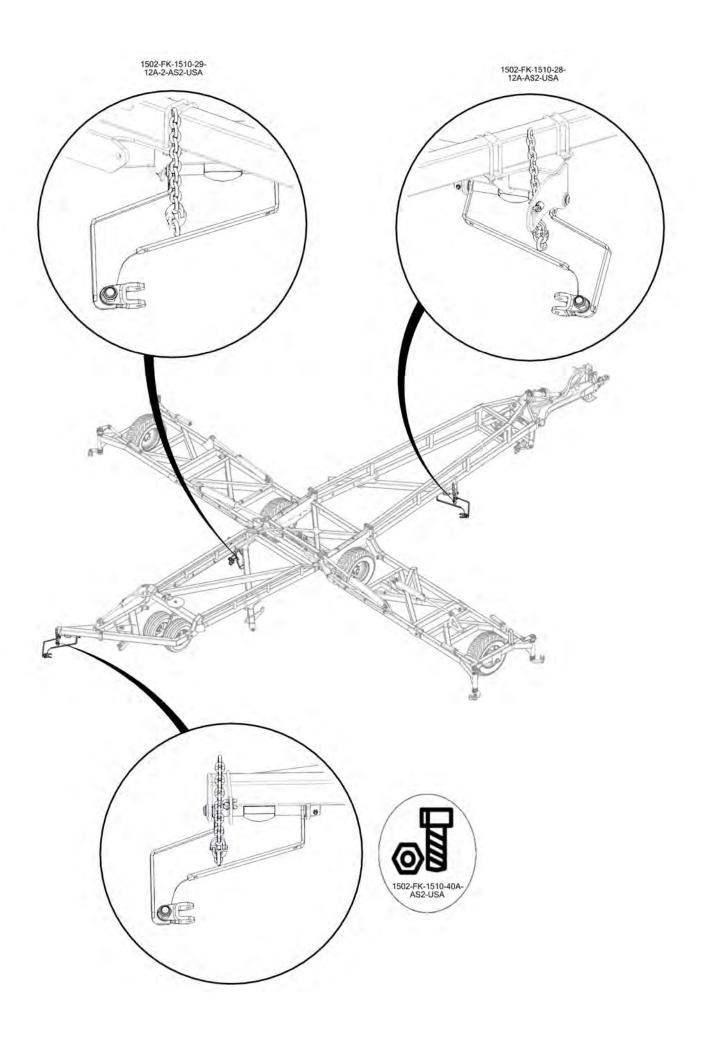




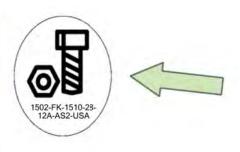
Item No.	Description	Qty	Number
1	Extended Chain Mount Plate	1	0810-30
2	Forged Clevis 21mm Bolt Hole	1	0801-FC21
3	Height Adjusting Chain Assembly 13 Link	1	0801-20MCA
4	Stainless Steel Wear Bush	1	1501-365033-SS
5	Chain Mount Pivot Pin	1	0801-10-51
6	M36 x 105 grade 8.8 zp Bolt	1	0211-36105
7	Nyloc Nut M36	1	0221-NYL36
8	Washer High Tensile 1 3/8"	1	0232-HT13-8
9	Height Adjustor Retaining Clip	1	0801-KE014
10	M12 x 90 Class 10.9 ZP Bolt	1	0211-1290HT
11	Nyloc Nut M12	1	0221-NYL12

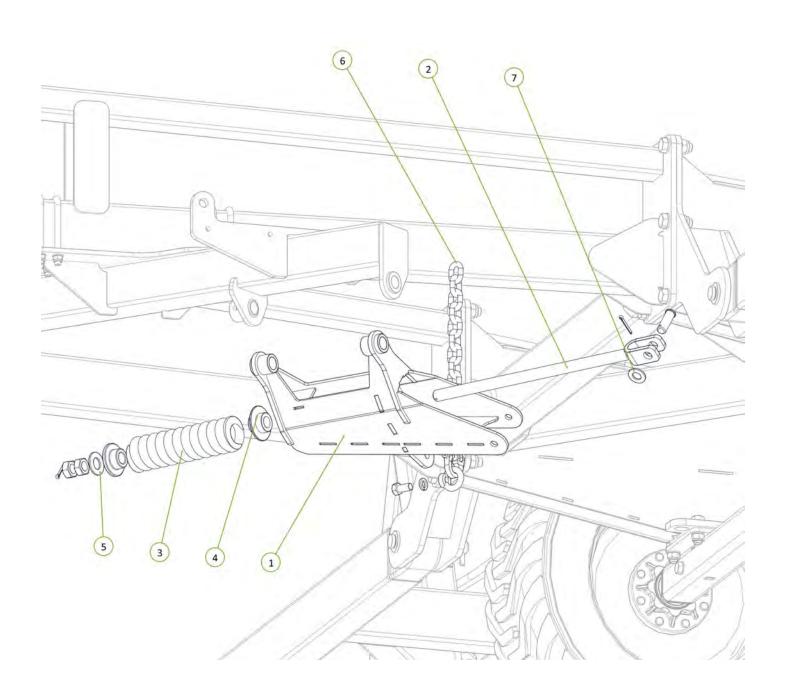




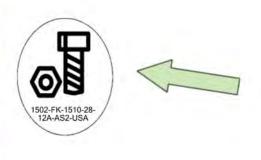


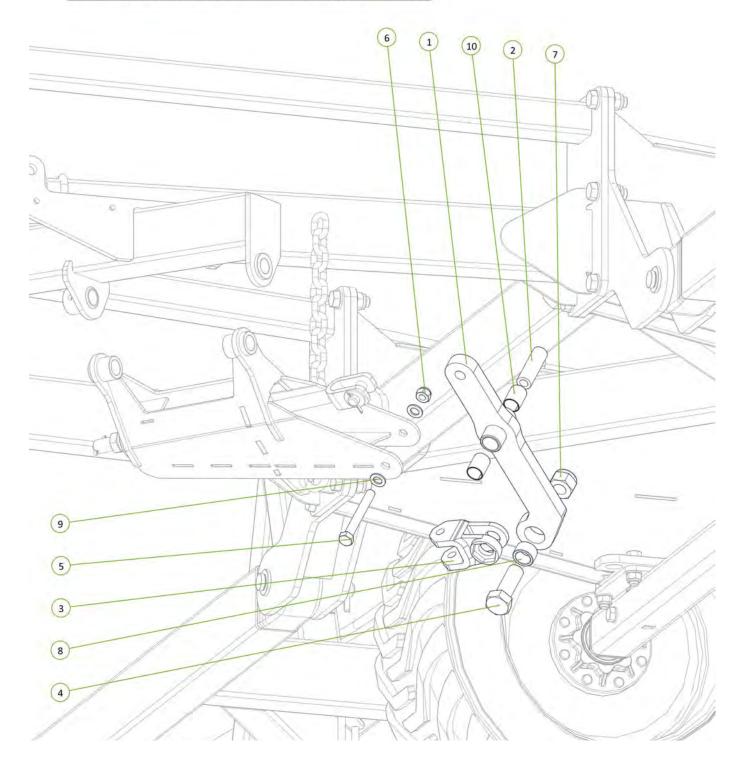
Item No.	Description	Qty	Number
1	Tension Box	1	0810-57
2	Module Tension Rod Assembly	1	0810-105A
3	Heavy Duty Coil Spring 24mm	1	0801-K2455350
4	Rigid Spring Locator	1	0801-10-S2L
5	Washer High Tensile 1 1/4"	1	0232-HT11-4
6	Height Adjusting Chain Assembly 13 Link	1	0801-20MCA
7	Washer Flat 1"	1	0232-F1



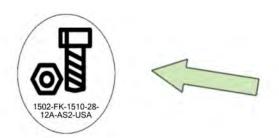


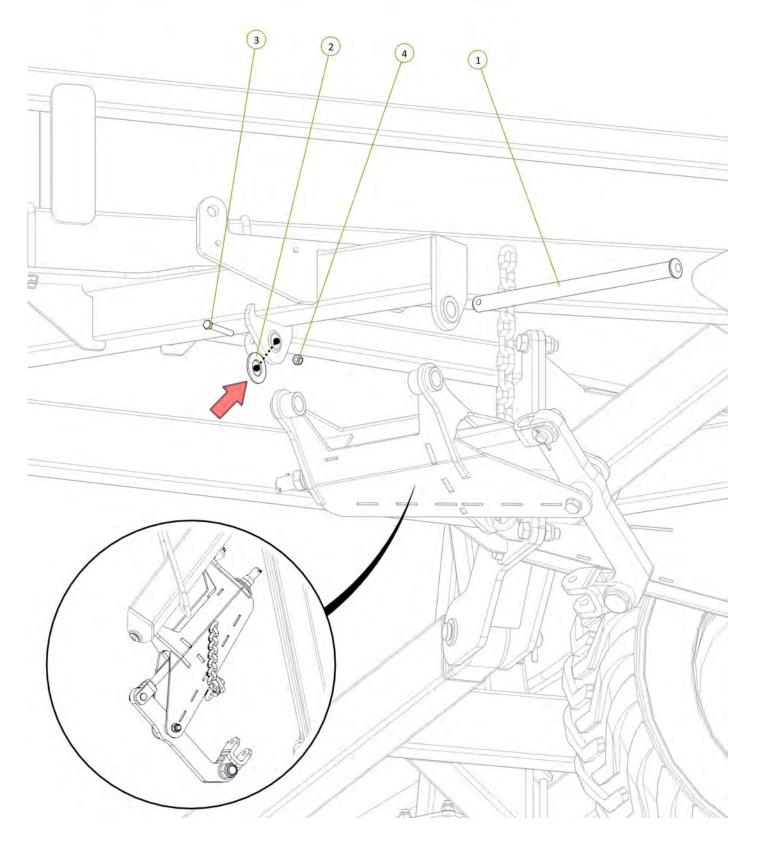
Item No.	Description	Qty	Number
1	Module Tension Arm No Clevis	1	0810-104
2	Module Pivot Arm Bush	1	0801-10-110
3	Forged Clevis 21mm Bolt Hole	1	0801-FC21
4	M36 x 105 Class 8.8 ZP Bolt	1	0211-36105
5	M20 x 160 Grade 8.8 ZP Bolt	1	0211-20160
6	Nyloc Nut M20	1	0221-NYL20
7	Nyloc Nut M36	1	0221-NYL36
8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

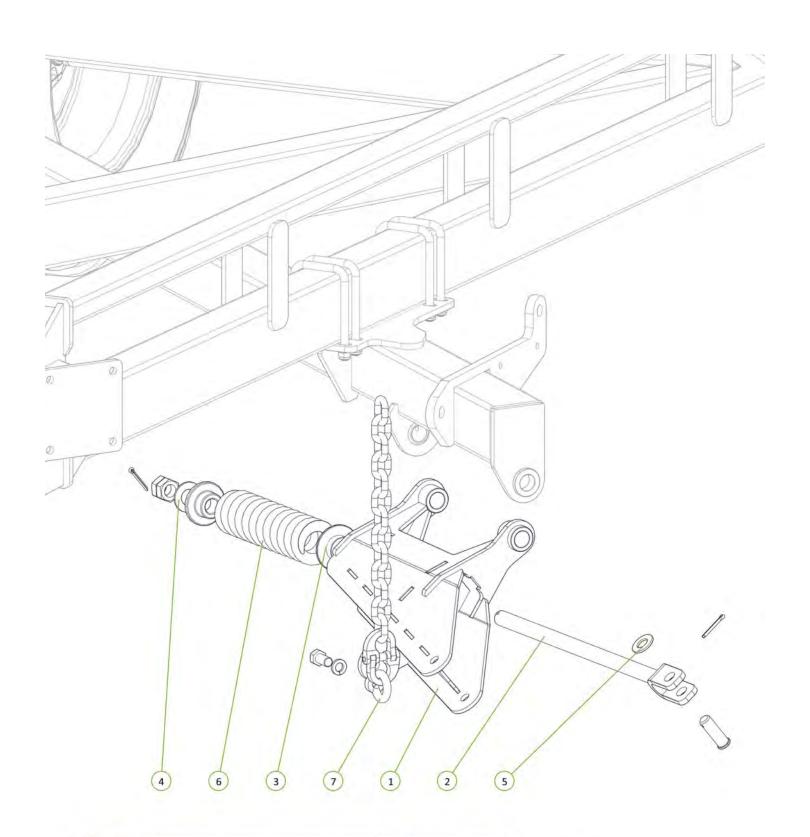




Item No.	Description	Qty	Number
1	Chain Mount Pivot Pin	1	0801-10-51
2	Washer High Tensile 1 3/8"	1	0232-HT13-8
3	M12 x 90 Class 10.9 ZP Bolt	1	0211-1290HT
4	Nyloc Nut M12	1	0221-NYL12

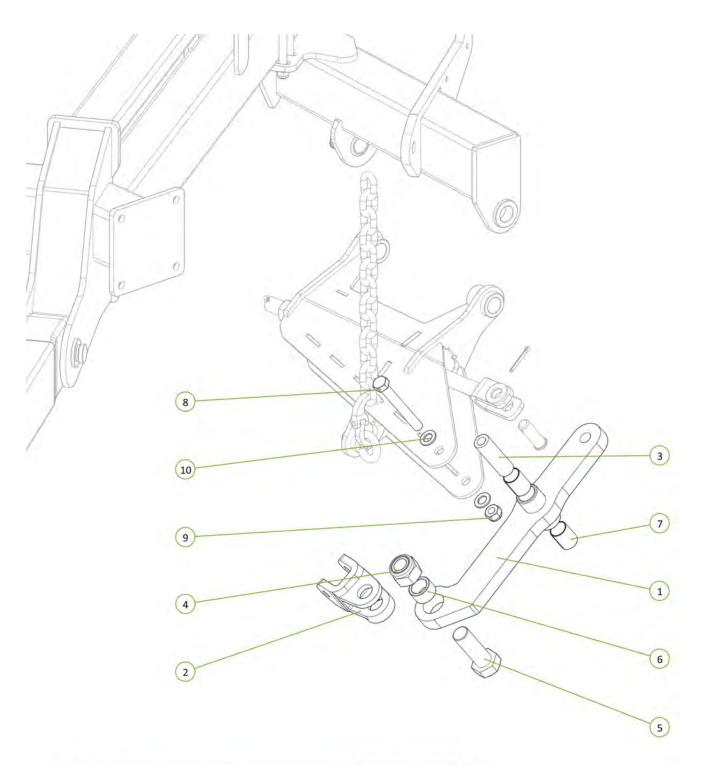




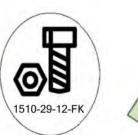


Item No.	Description	Qty	Number
1	Tension Box	1	0810-57
2	Module Tension Rod Assembly	1	0810-105A
3	Rigid Spring Locator	1	0801-10-S2L
4	Washer High Tensile 1 1/4"	1	0232-HT11-4
5	Washer Flat 1"	1	0232-F1
6	Heavy Duty Coil Spring 24mm	1	0801-K2455350
7	Height Adjusting Chain Assembly 13 Link	1	0801-20MCA

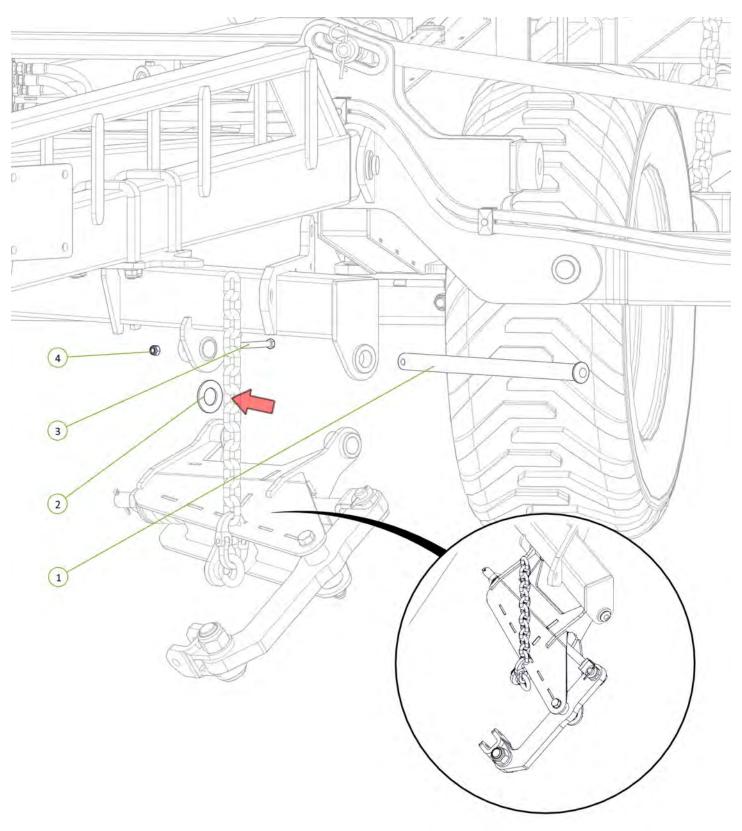




Item No.	Description	Qty	Number	
1	Module Tension Arm No Clevis	1	0810-104	
2	Forged Clevis 21mm Bolt Hole	1	0801-FC21	
3	Module Pivot Arm Bush	1	0801-10-110	
4	Nyloc Nut M36	1	0221-NYL36	
5	M36 x 105 Class 8.8 ZP Bolt	1	0211-36105	
6	Wear Bush	1	1501-365033-SS	
7	35 ID x 50mm DU Bush	2	0113-MB3550DU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





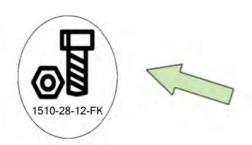


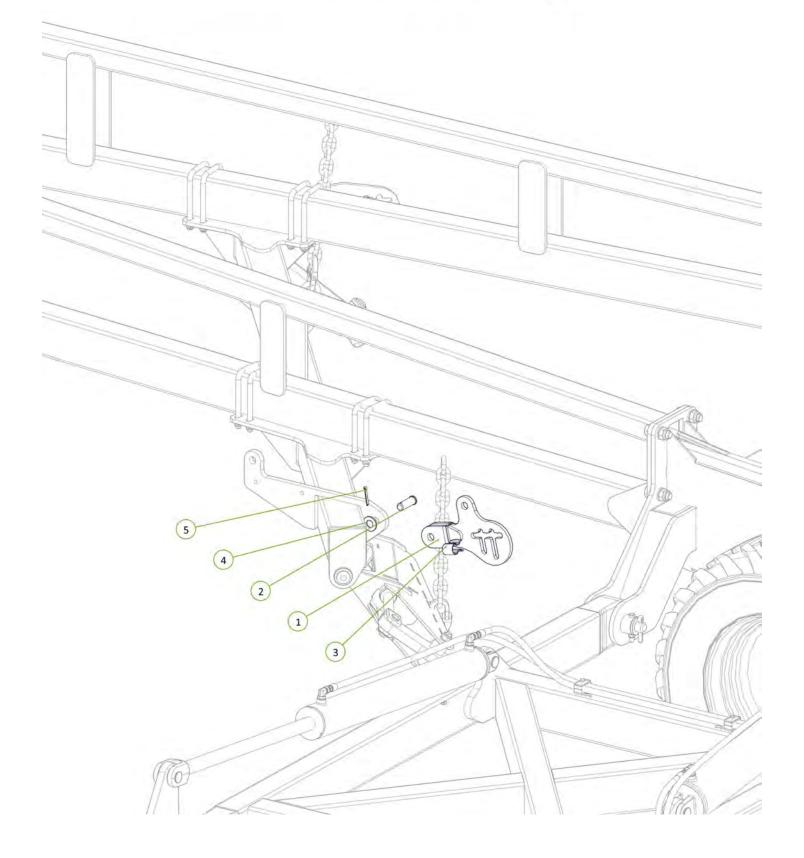
Item No.	Description	Qty	Number
1	Chain Mount Pivot Pin	1	0801-10-51
2	Washer High Tensile 1 3/8"	1	0232-HT13-8
3	M12 x 90 Class 10.9 ZP Bolt	1	0211-1290HT
4	Nyloc Nut M12	1	0221-NYL12

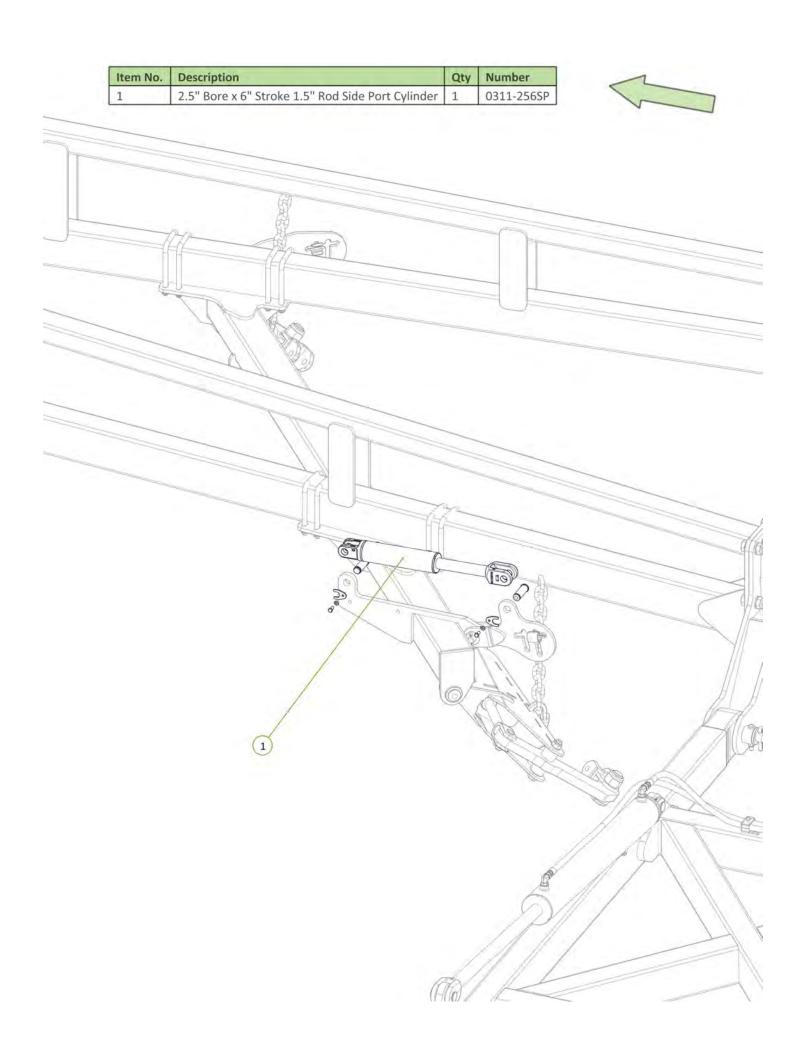


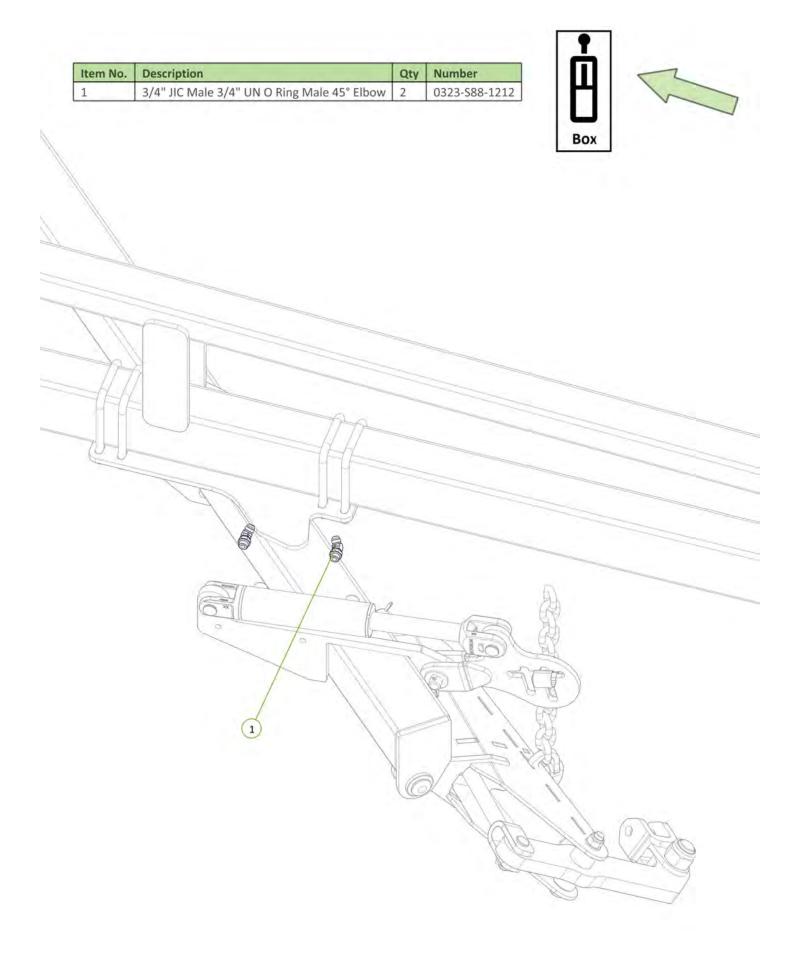


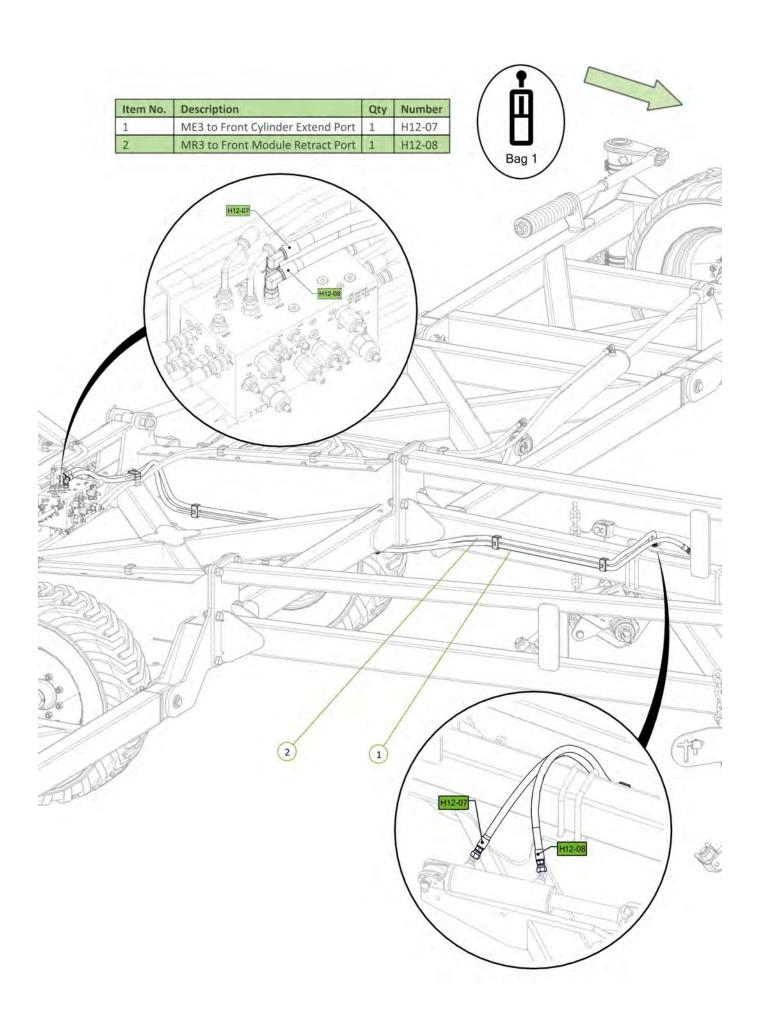
Item No.	Description	Qty	Number	
1	Compact Module Lift Arm	1	0810-51	
2	Clevis Pin 25mm x 75mm	1	0801-KE0307-1	
3	Height Adjustor Retaining Clip	1	0801-KE014	
4	Washer Flat 1"	1	0232-F1	
5	Cotter Pin M5 x 50	1	0261-PINC550	

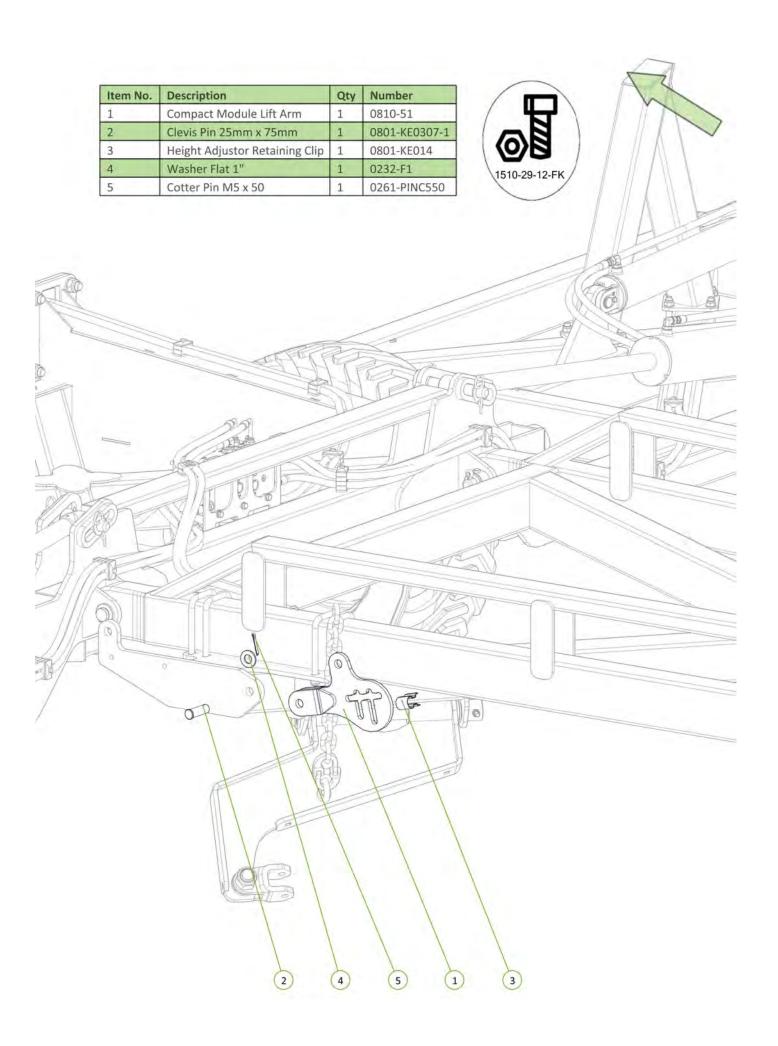






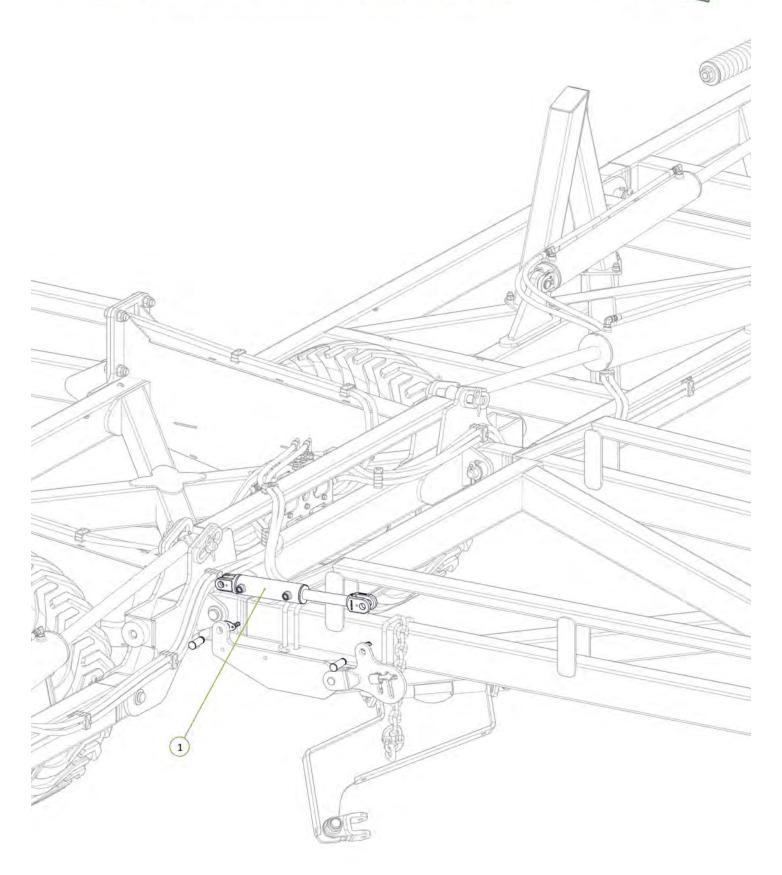


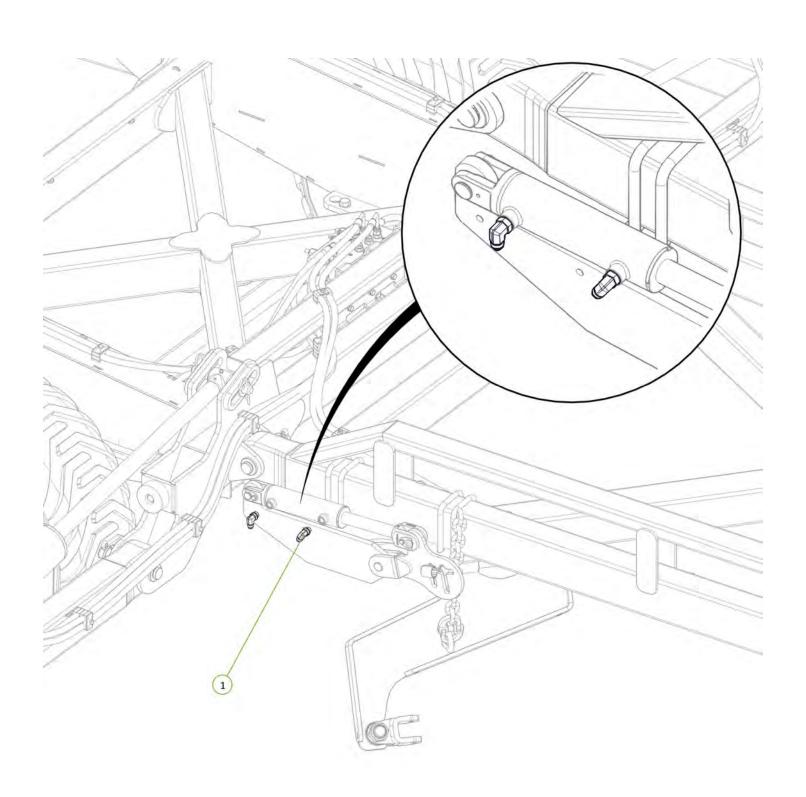




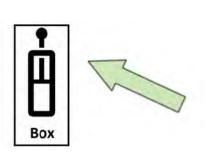
Item No.	Description	Qty	Number
1	2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder	1	0311-256SP







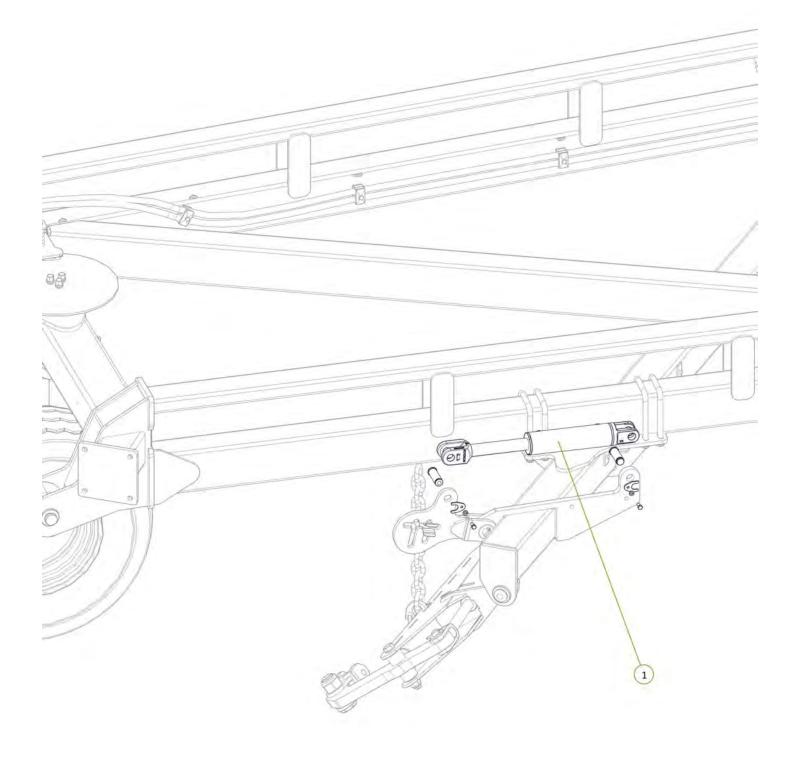
Item No.	Description	Qty	Number
1	3/4" JIC Male 3/4" UN O Ring Male 90° Elbow	2	0323-S91-1212

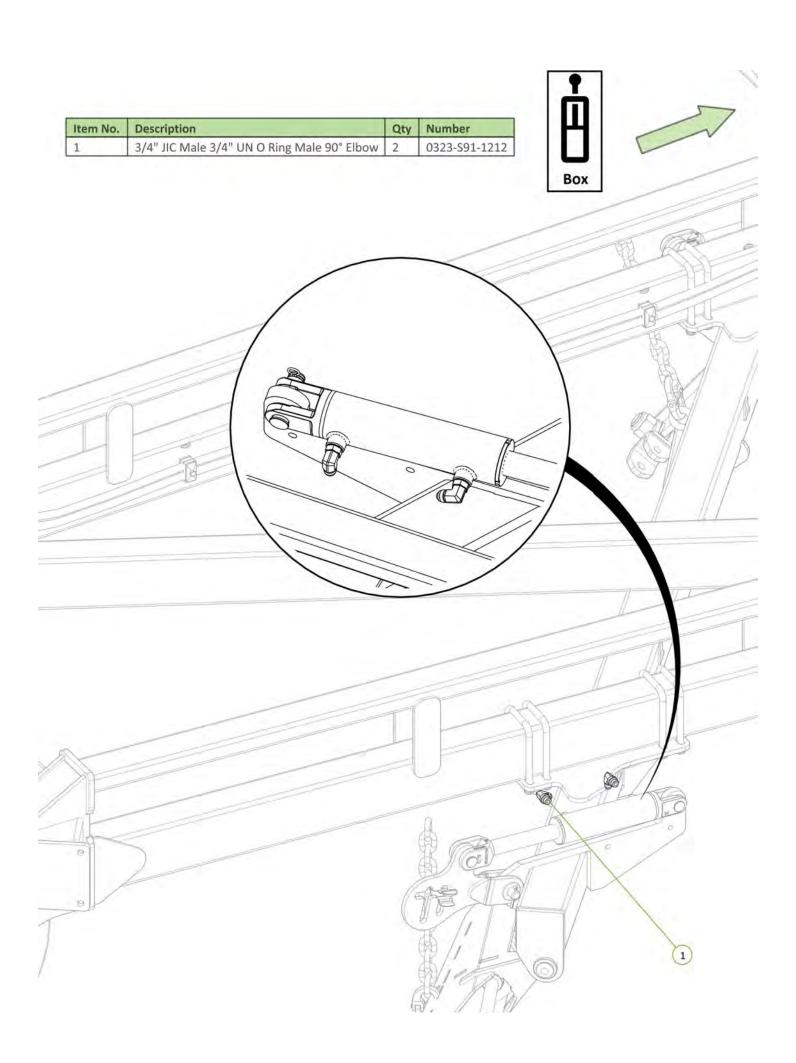


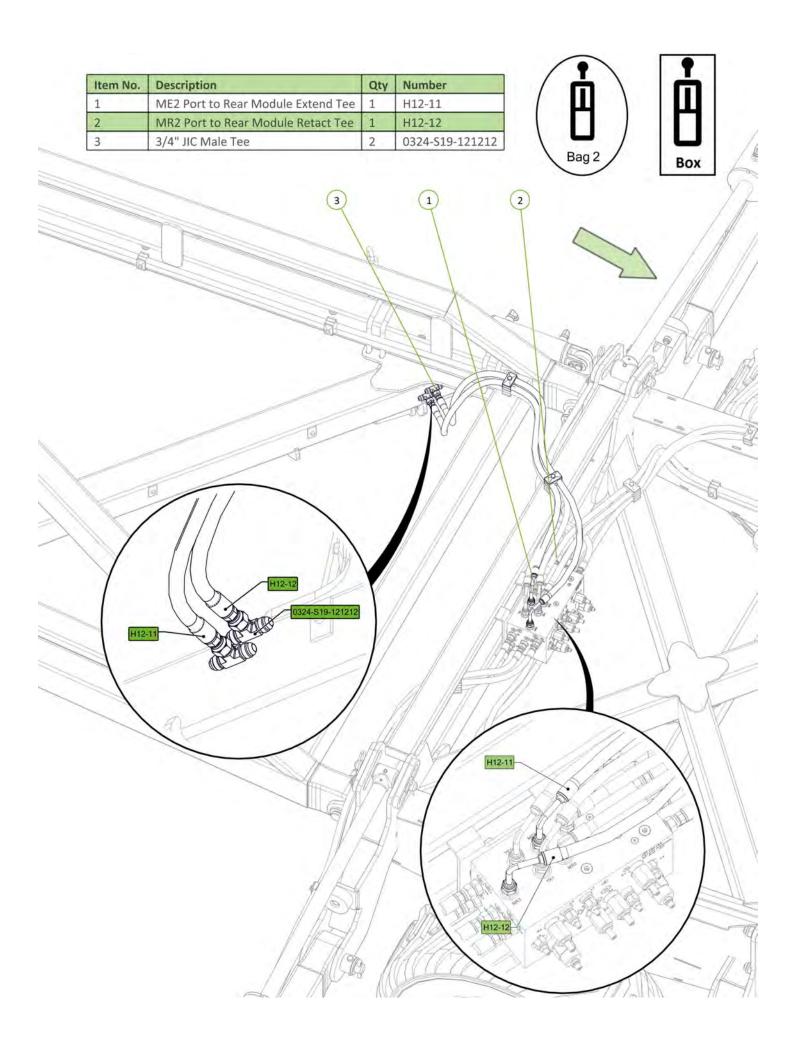
Description
Clevis Pin 25mm x 75mm 1 0801-KE0307-1 Height Adjustor Retaining Clip 1 0801-KE014 Washer Flat 1" 1 0232-F1 1510-29-12-FK
Height Adjustor Retaining Clip 1 0801-KE014 Washer Flat 1" 1 0232-F1 1510-29-12-FK
Washer Flat 1" 1 0232-F1 1510-29-12-FK
Cotter Pin M5 x 50 1 0261-PINC550

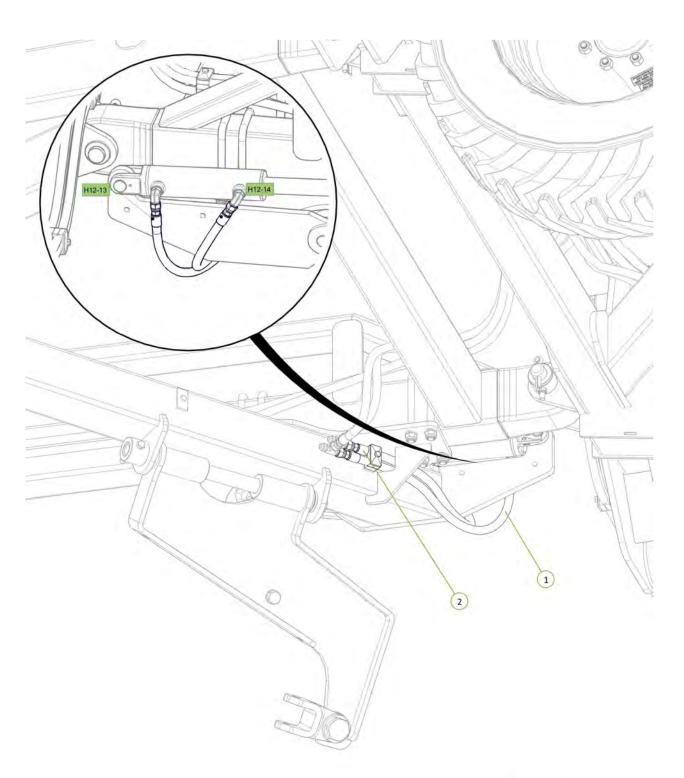
Item No.	Description	Qty	Number
1	2.5" Bore x 6" Stroke 1.5" Rod Side Port Cylinder	1	0311-256SP









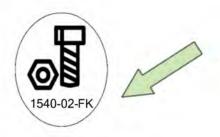


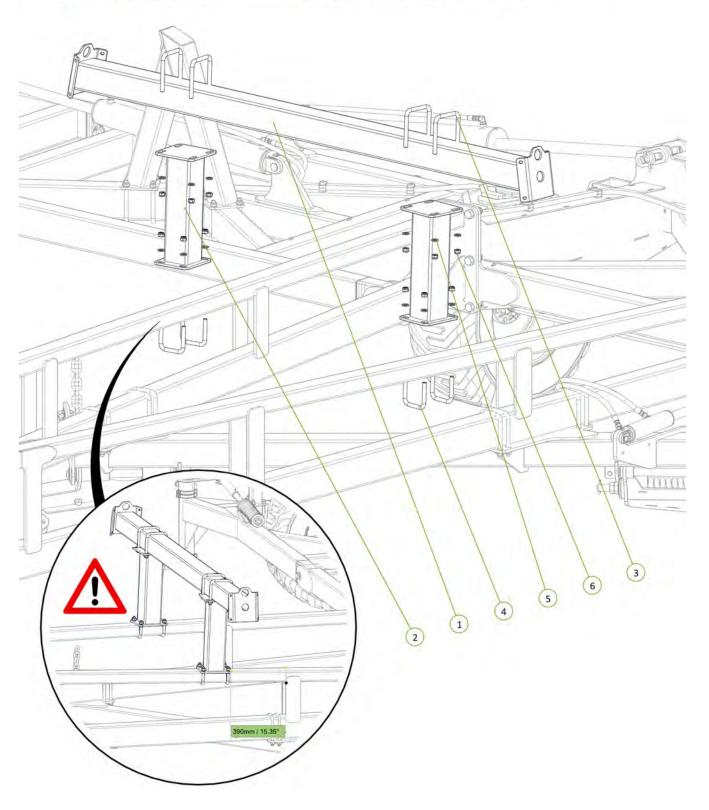
Item No.	Description	Qty	Number
1	Rear Module Extend Tee to LH Rear Module Cyl Extend Port	1	H12-13
2	Rear Module Retract Tee to LH Rear Module Cyl Retract Port	1	H12-14



Item No.	Description	Qty	Number	(m	
1	Rear Module Extend Tee to RH Rear Module Cyl Extend Port	1	H12-15	l H	
2	Rear Module Retract Tee to RH Rear Module Cyl Retract Port	1	H12-16	\ U	/ 7
	Rear Module Retract Tee to RH Rear Module Cyl Retract Port		H12-16	Bag 2	
			2		

Item No.	Description	Qty	Number
1	Angled Chain Carrier Beam	1	0810-66
2	500mm Pedestal	2	0810-52
3	U-Bolt M16 x 162 Deep x 129 Wide	4	0271-16162129U
4	U-Bolt M16 x 114 Deep x 106 Wide	4	0271-16114106U
5	Washer Flat M16	16	0231-F16
6	Nyloc Nut M16	16	0221-NYL16

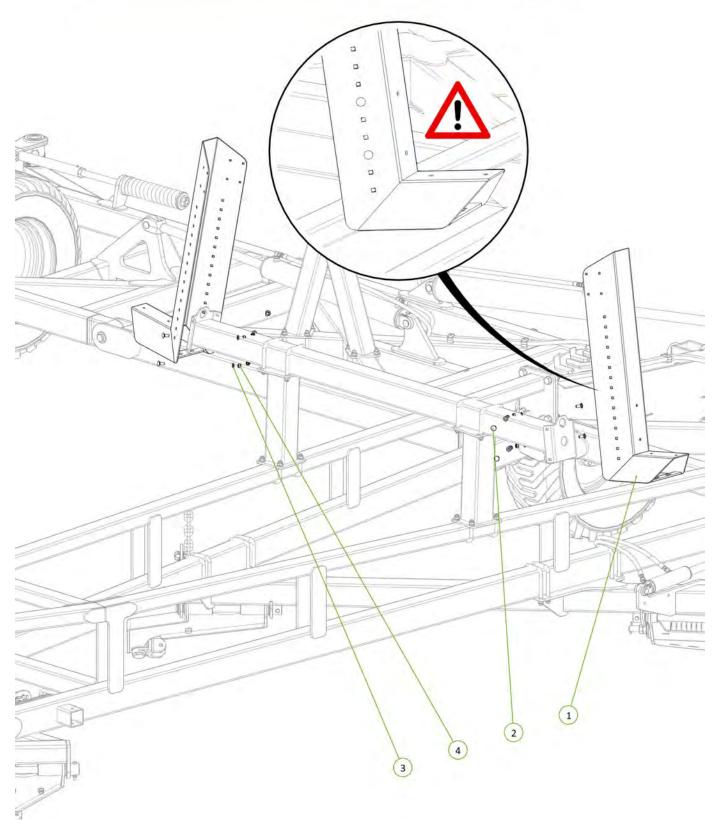




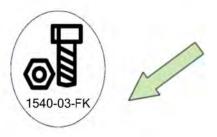
Item No.	Description	Qty	Number
1	Extended Chain Carrier Bolt on End	2	0810-17LE
2	M12 x 30 Coach Head Bolt	8	0215-CH1230
3	Washer Flat M12	8	0231-F12
4	Nyloc Nut M12	8	0221-NYL12

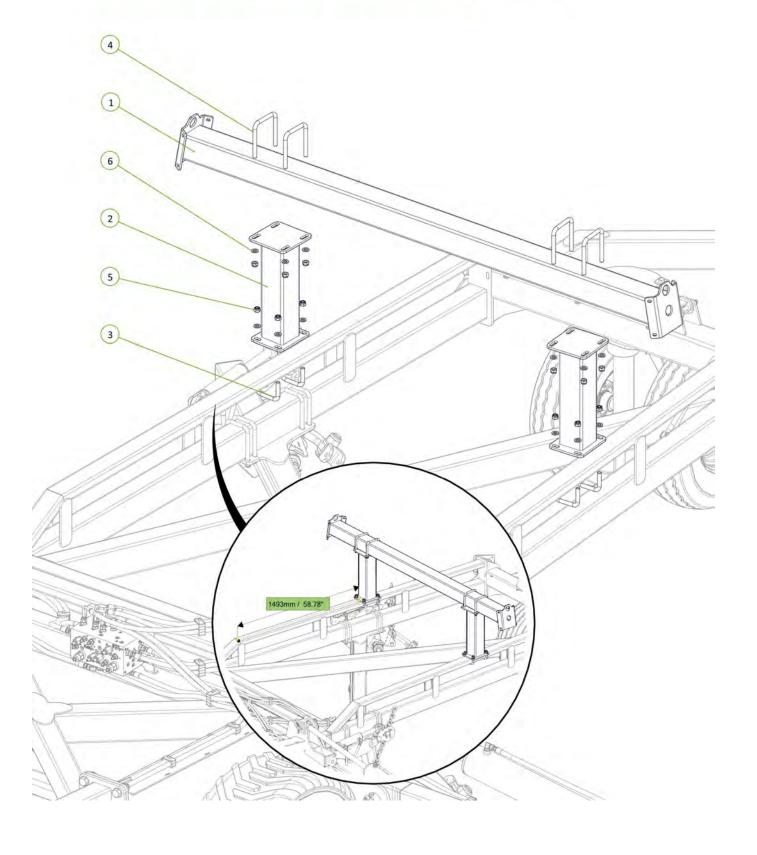




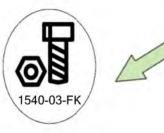


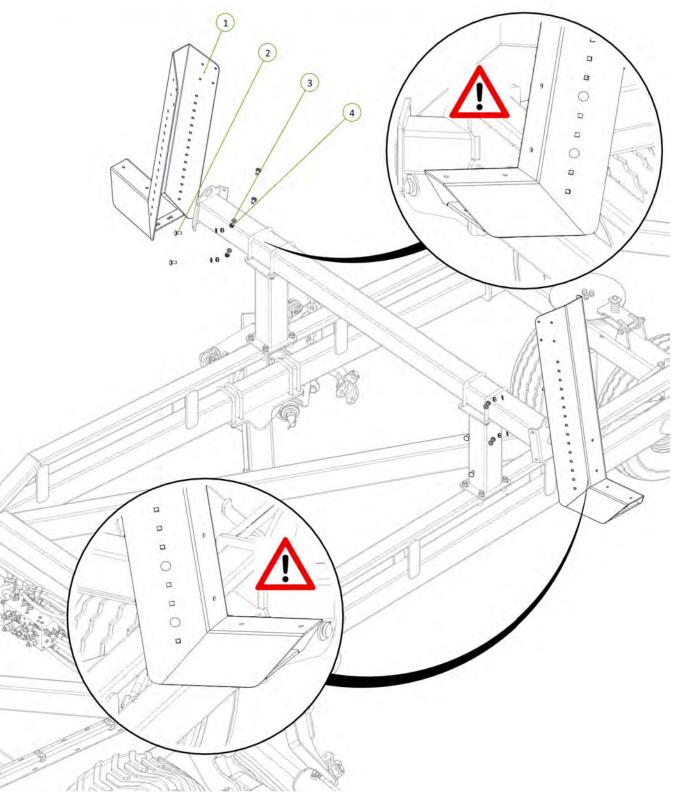
Item No.	Description	Qty	Number
1	Angled Chain Carrier Beam	1	0810-66
2	500mm Pedestal	2	0810-52
3	U-Bolt M16 x 104 Wide x 85 Deep	4	0271-1610686U
4	U-Bolt M16 x 162 Deep x 129 Wide	4	0271-16162129U
5	Nyloc Nut M16	16	0221-NYL16
6	Washer Flat M16	16	0231-F16

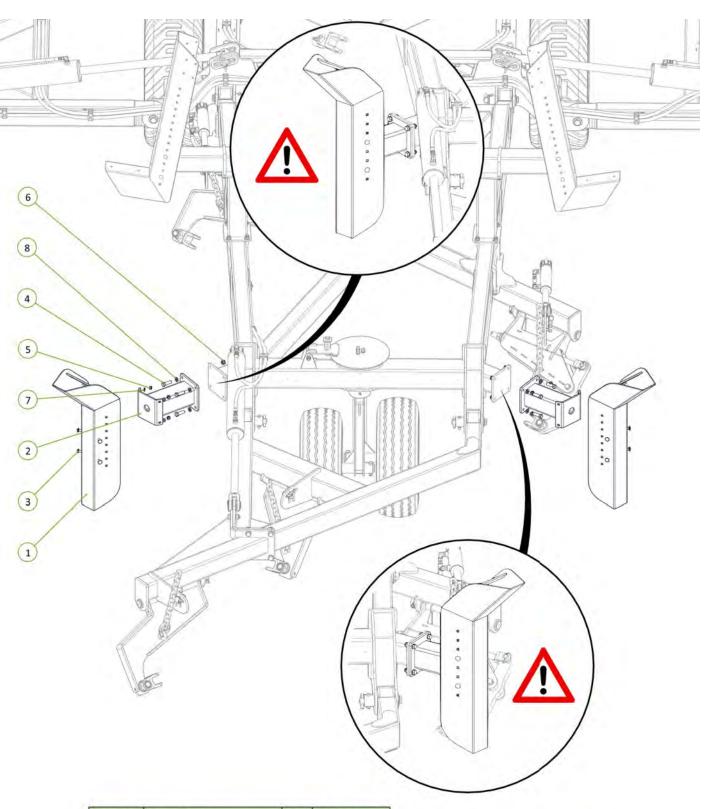




Item No.	Description	Qty	Number
1	Extended Chain Carrier Bolt on End	2	0810-17LE
2	M12 x 30 Coach Head Bolt	8	0215-CH1230
3	Washer Flat M12	8	0231-F12
4	Nyloc Nut M12	8	0221-NYL12

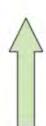




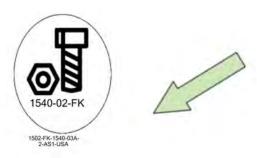


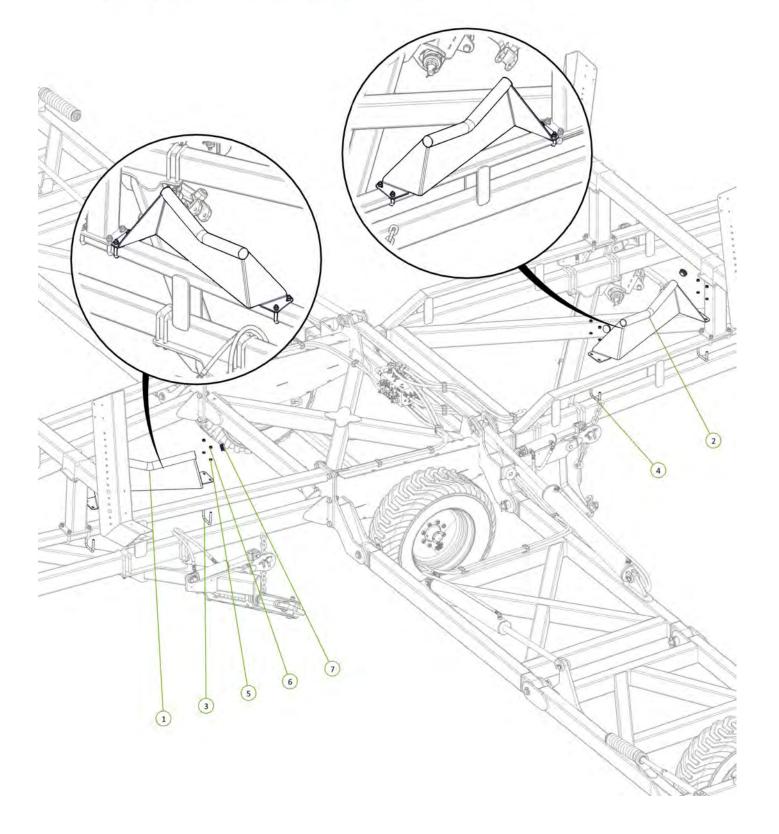
Item No.	Description	Qty	Number
1	Chain Catcher	2	0810-67
2	Outrigger	2	0810-236
3	M12 x 30 Coach Head Bolt	8	0215-CH1230
4	M16 x 55 Class 8.8 ZP Bolt	8	0211-1655
5	Nyloc Nut M12	8	0221-NYL12
6	Nyloc Nut M16	8	0221-NYL16
7	Washer Flat M12	8	0231-F12
8	Washer Flat M16	16	0231-F16





Item No.	Description	Qty	Number
1	Left Hand Off Set M	1	0810-19L
2	Right Hand Off Set M	1	0810-18R
3	U-Bolt M12 x 107 Deep x 106 Wide	2	0271-12107106U
4	U-Bolt M12 x 106 Deep x 79 Wide	2	0271-1210679U
5	Washer Flat M12	8	0231-F12
6	Nyloc Nut M12	8	0221-NYL12
7	Round Tube Insert 60.3 x 3.2-5mm	4	0264-RTRi-5584

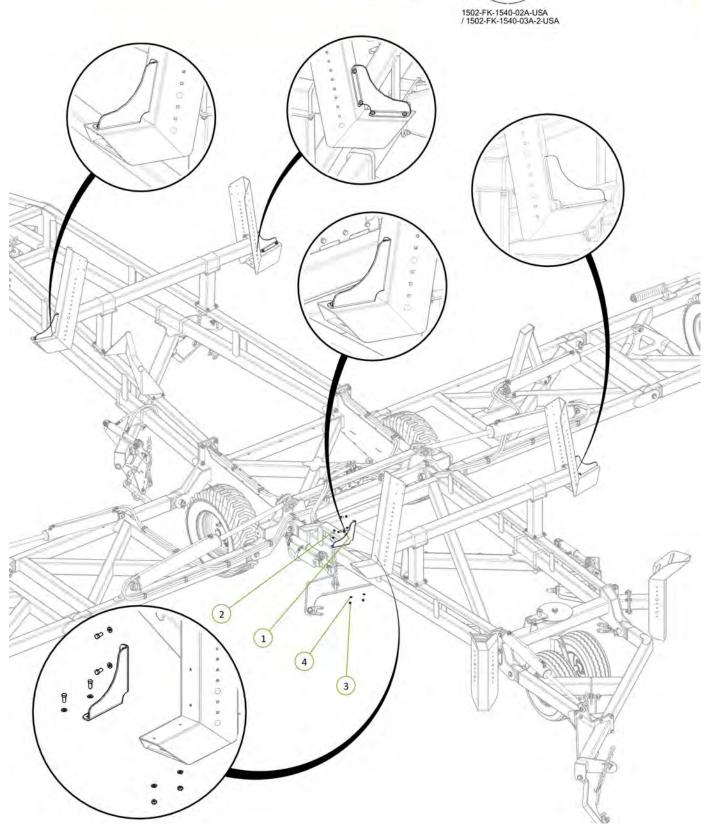




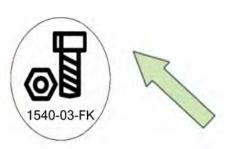
Item No.	Description	Qty	Number
1	Chain Retainer Plate	4	0800-360
2	M12 x 30 grade 8.8 ZP Bolt	16	0211-1230
3	Nyloc Nut M12	16	0221-NYL12
4	Washer Flat M12	32	0231-F12

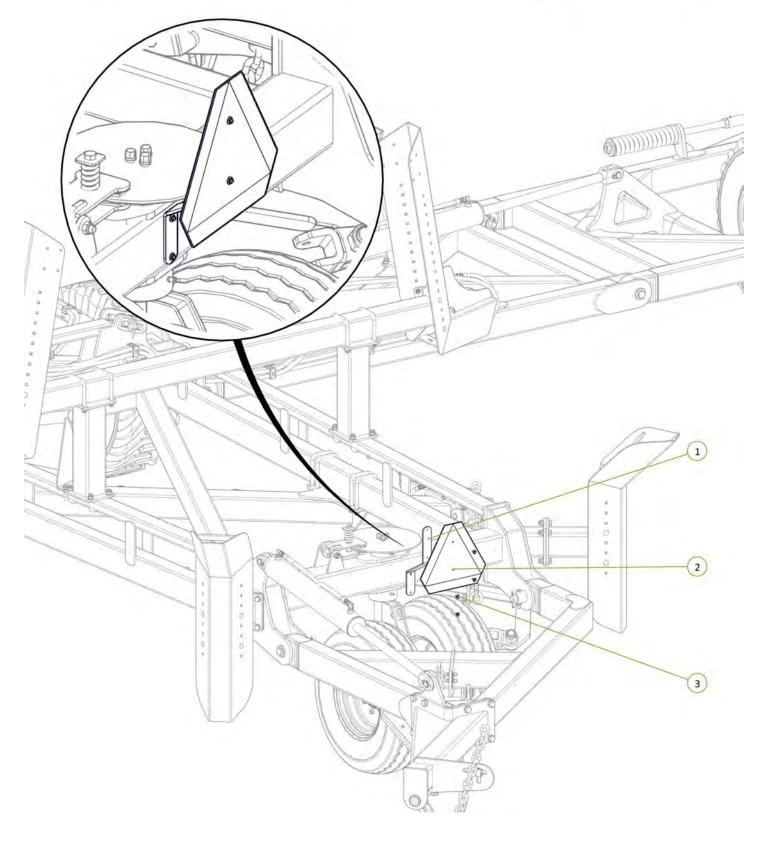


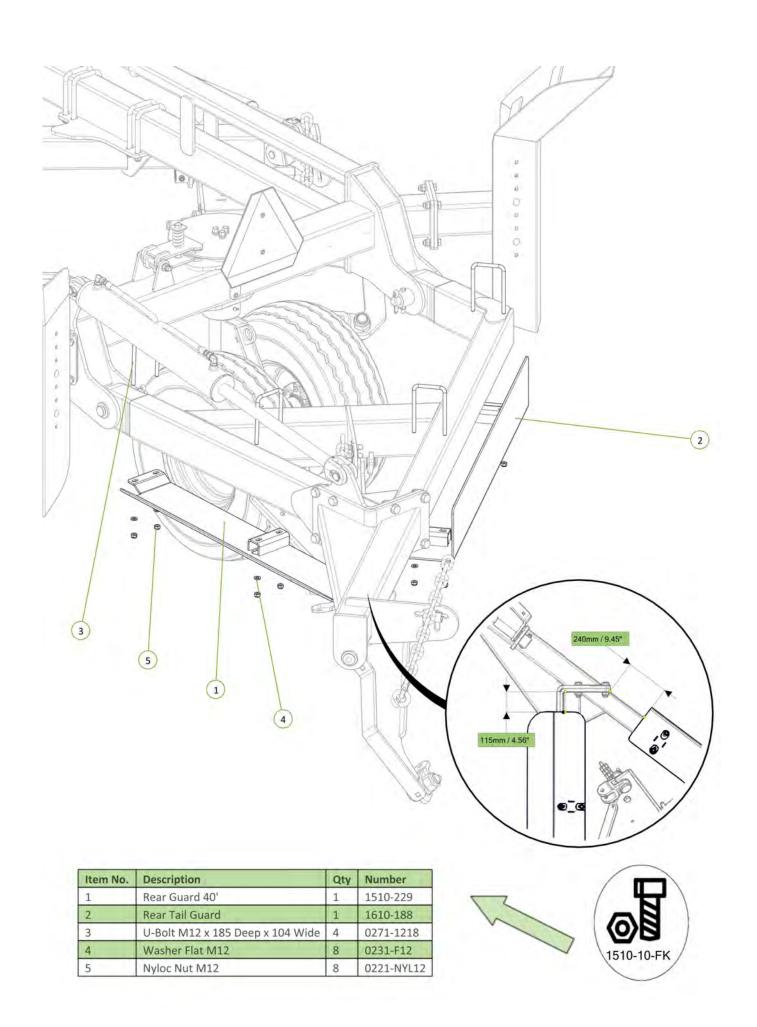


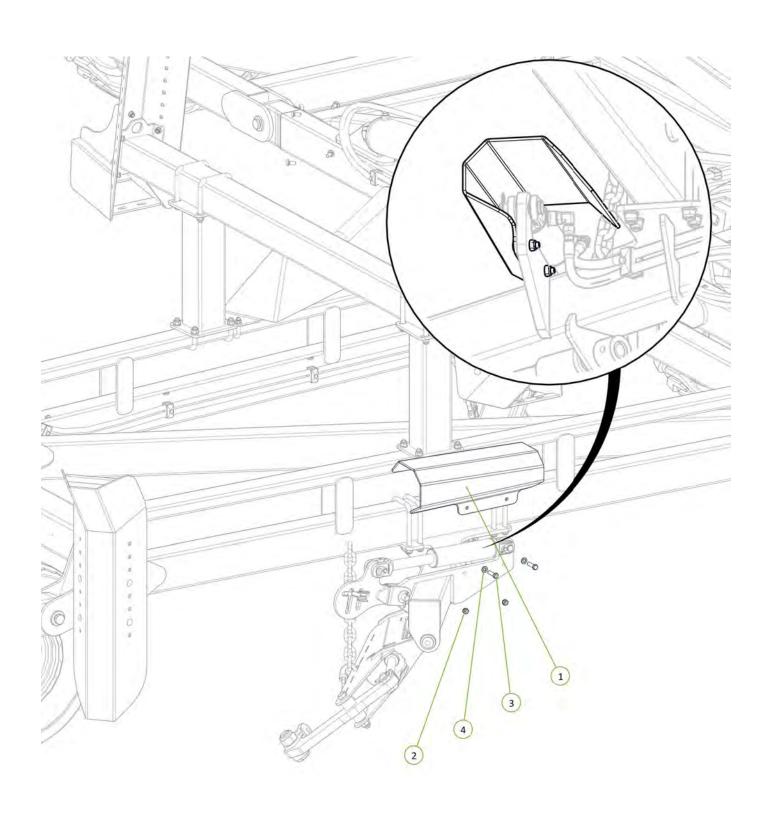


Item No.	Description	Qty	Number
1	SMV Sign Bracket	1	0800-195.1
2	Slow Moving Vehical Sign	1	0801-FBSMVTUF
3	M6 x 20 Trilobe self tapping Scew	4	0211-M620MZPHTF



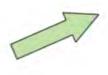




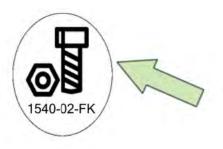


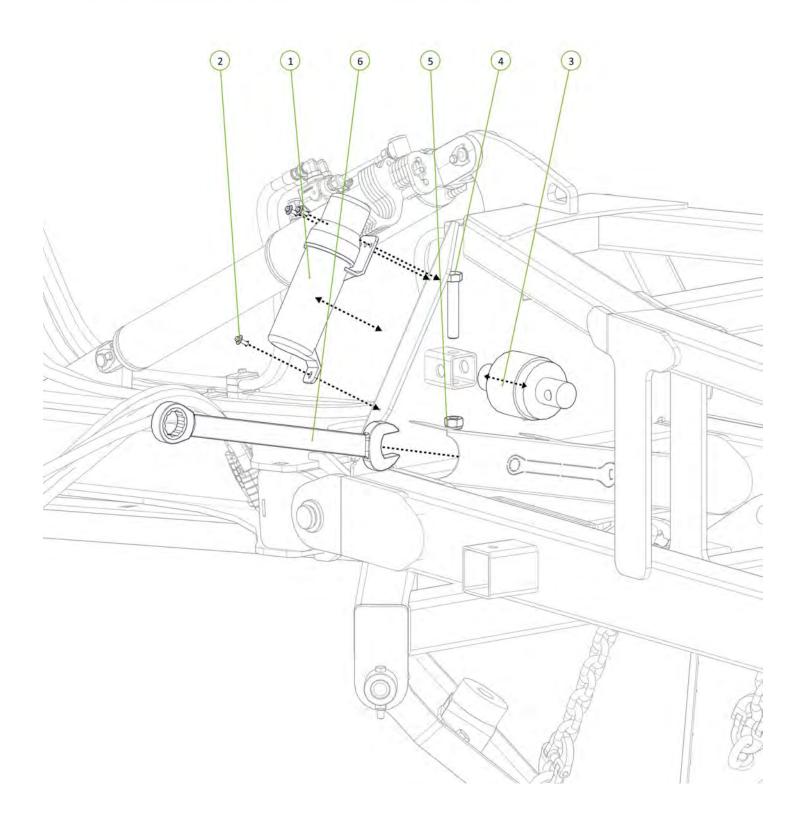
Item No.	Description	Qty	Number
1	Module Cylinder Guard	1	0800-167.3
2	Nyloc Nut M12	2	0221-NYL12
3	M12 x 45 grade 8.8 ZP Bolt	2	0211-1245
4	Washer Flat M12	4	0231-F12





Item No.	Description	Qty	Number
1	Operator Manual Cannister	1	0801-OMC-1
2	M6 x 20 Trilobe self tapping Scew	3	0211-M620MZPHTF
3	20mm Bolt Swivel Unit	1	0802-PCHB55
4	M20 x 110 grade 10.9 ZP Short Thread Bolt	1	0211-20110 ST
5	Nyloc Nut M20	1	0221-NYL20
6	Ratcheting Gear Wrench 1 3/4"	1	0802-GW1 3-4

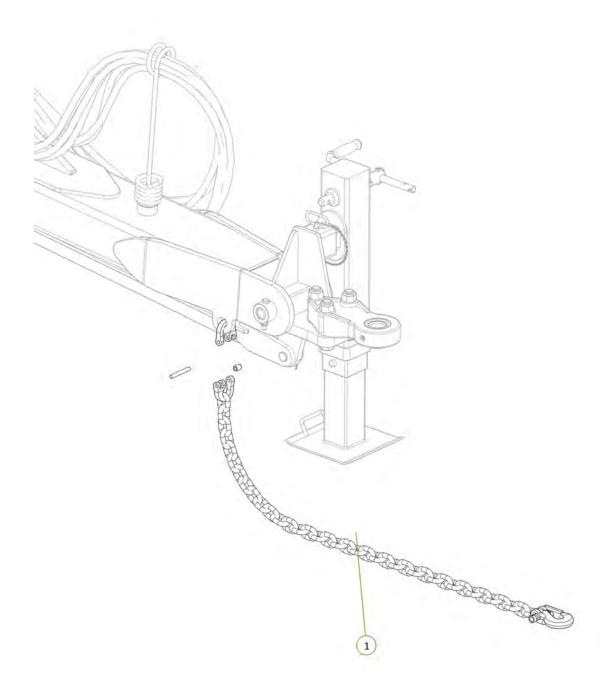




Item No.	Description	Qty	Number
1	Safety Chain Assembly	1	0810-16



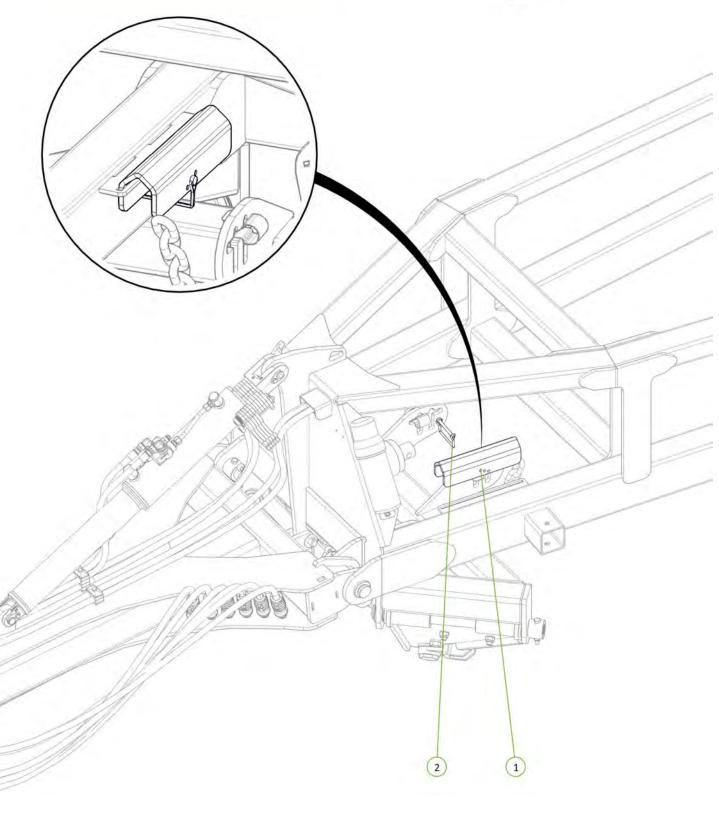


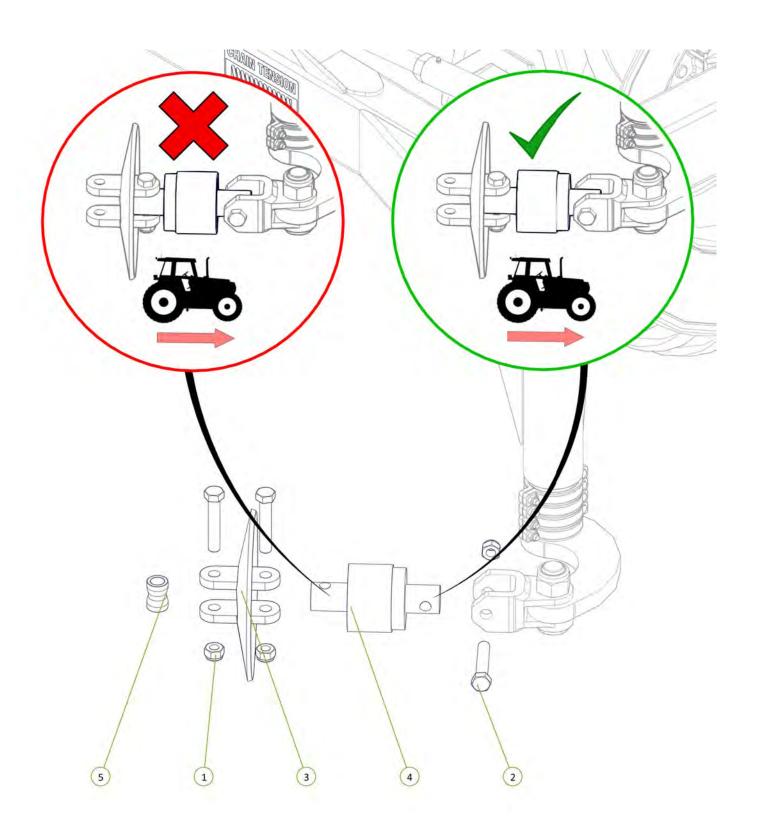


Item No.	Description	Qty	Number
1	Cylinder Safety Stop	1	0800-688
2	Square Loop Pin 5/16" x 3 1/2"	1	0511-PINLOOPSQ516x312



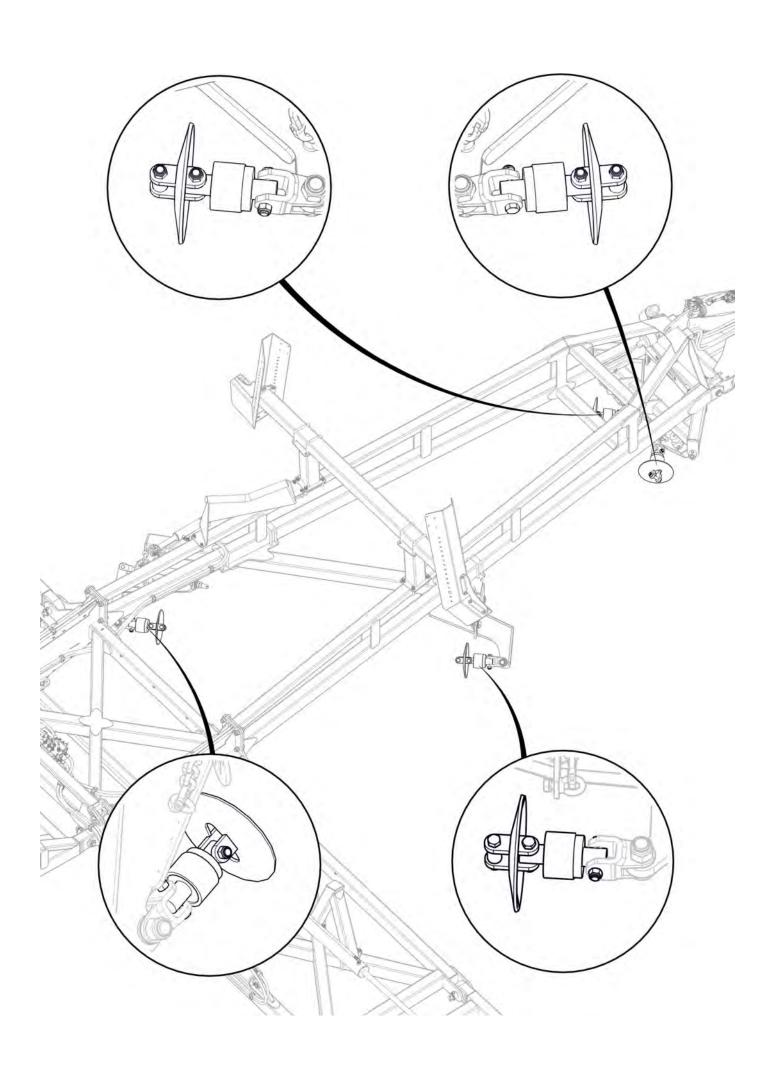


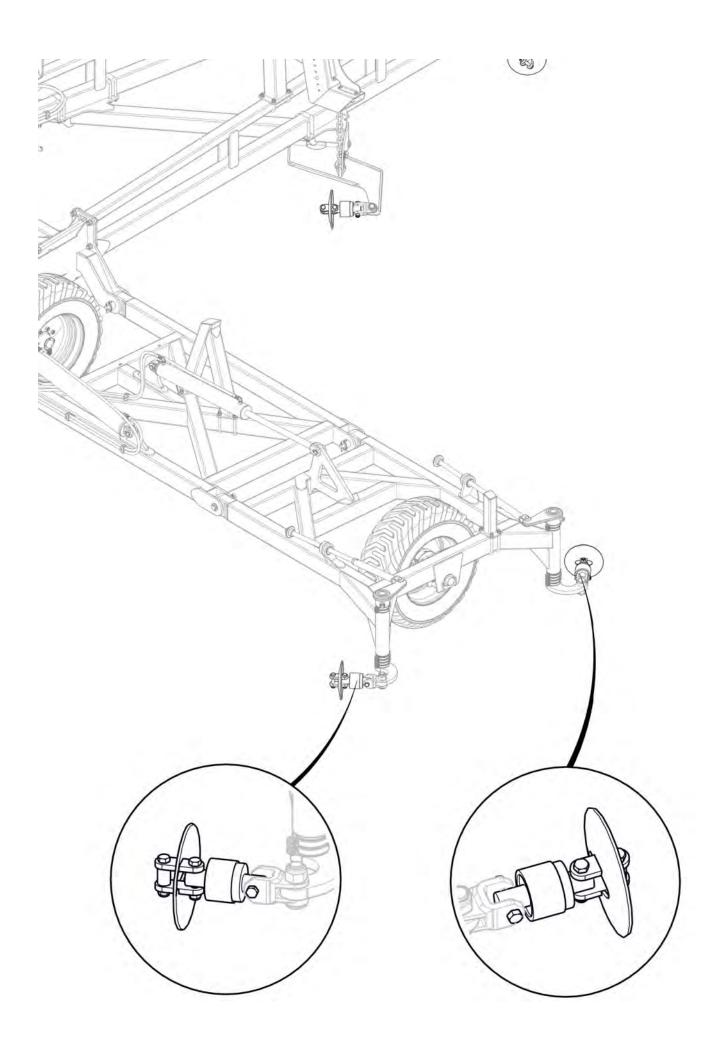


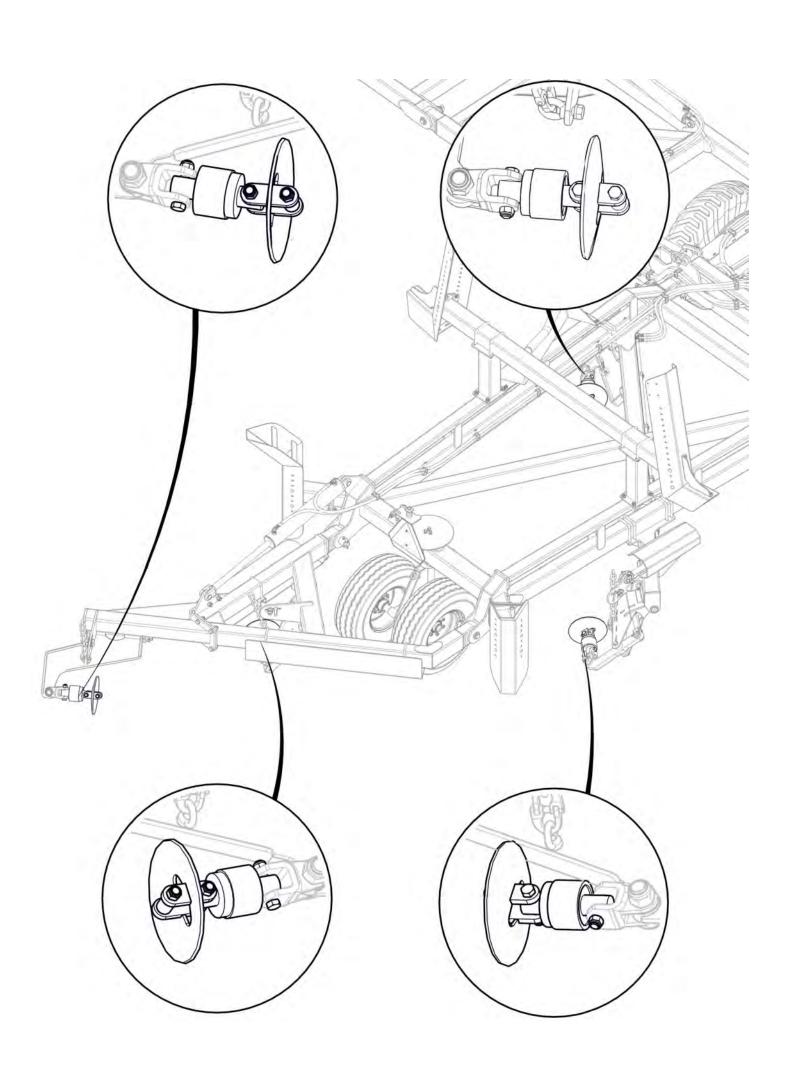


Item No.	Description	Qty	Number
1	Nyloc Nut M20	3	0221-NYL20
2	M20 x 110 grade 10.9 ZP Short Thread Bolt	3	0211-20110 ST
3	Disc Chain Tie Plate Link 20mm	1	0802-DCTP-20
4	20mm Bolt Swivel Unit	1	0802-PCHB55
5	Disc Chain Spacer	1	0801-253755

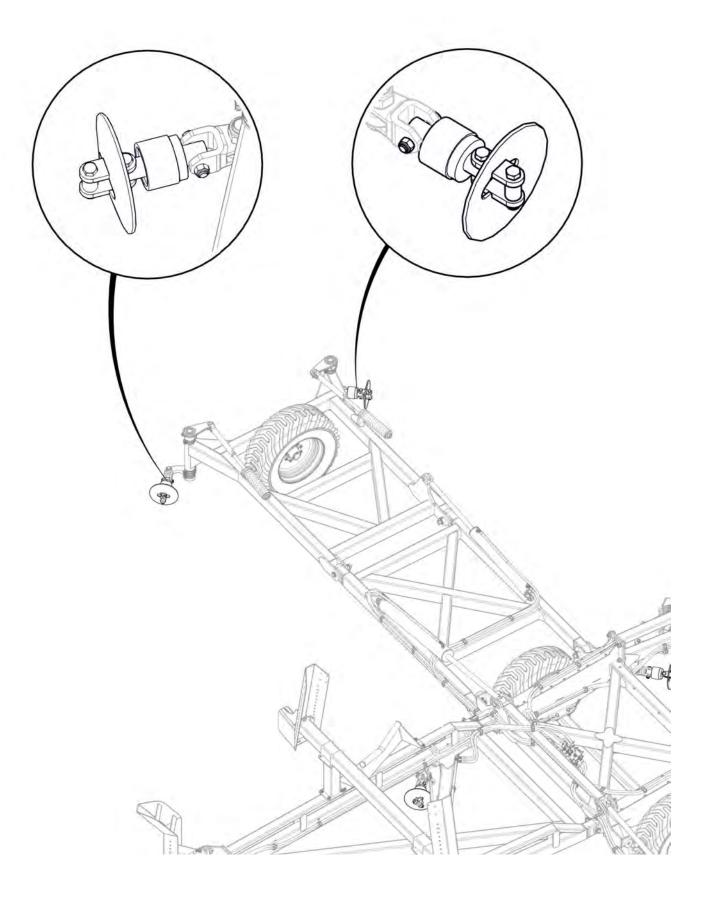


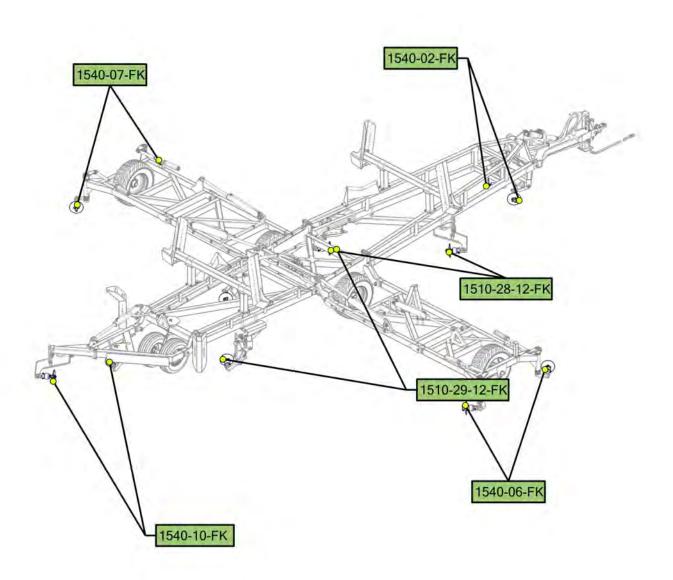


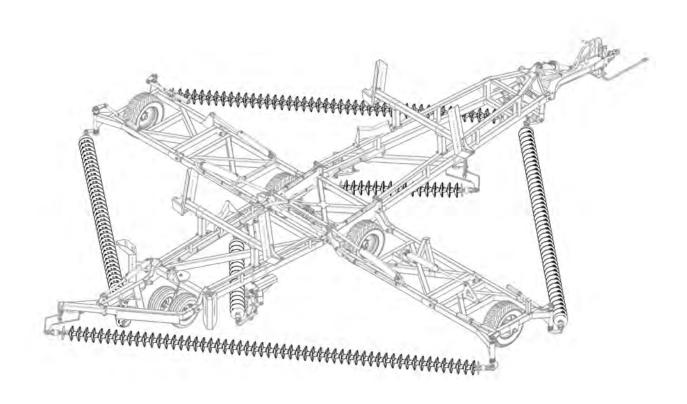












Section 3Decal Application

DECAL APPLICATION INSTRUCTIONS

- 1. CLEAN
 - Wipe application surface and allow to fully dry. Ensure the area is free from dirt and contaminants.
- 2. PEEL BACKING

Carefully peel away paper backing.

3. ALIGN AND PRESS

Align the decal and carefully place it on surface.

4. SMOOTH

Use a squeegy to smooth design over surface, from top to bottom and to push out all remaining air. Ensure full coverage with no bubbles.

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

- 1. CLEAN
 - Wipe application surface and allow to fully dry. Ensure the area is free from dirt, and contaminants.
- 2. PEEL BACKING
 - Carefully peel away paper backing, ensuring vinyl sticks entirely to tape.
- 3. ALIGN AND PRESS

Align the decal and carefully place it on surface.

4. SMOOTH

Use a squeegy to smooth design over surface, from top to bottom and to push out all remaining air. Ensure full coverage with no bubbles.

5. REMOVE TRANSFER TAPE

Carefully peel away the transfer tape, beginning at the corner until completely removed. Finally, allow decal to cure for 24 hours before washing.

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

- 1. CLEAN
 - Wipe application surface and allow to fully dry. Ensure the area is free from dirt and contaminants.
- 2. APPLY SOLUTION

Using detergent wet the surface where you'll be applying the decal so you can slide it around.

3. PEEL BACKING

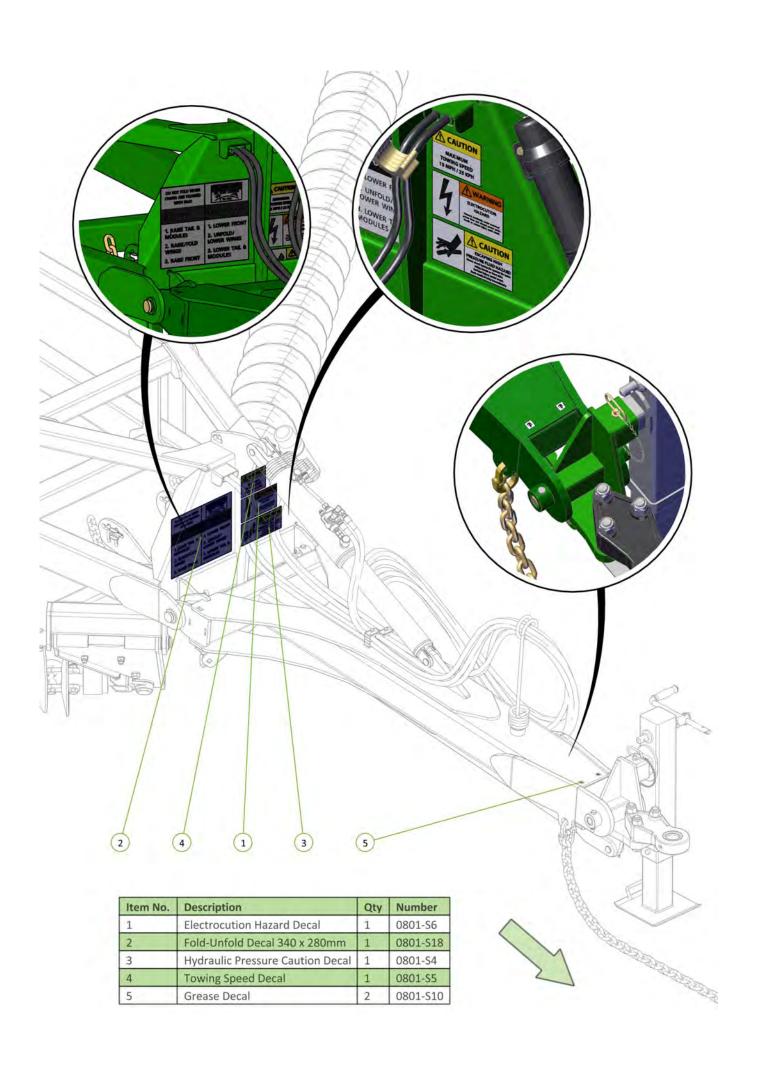
Carefully peel away paper backing.

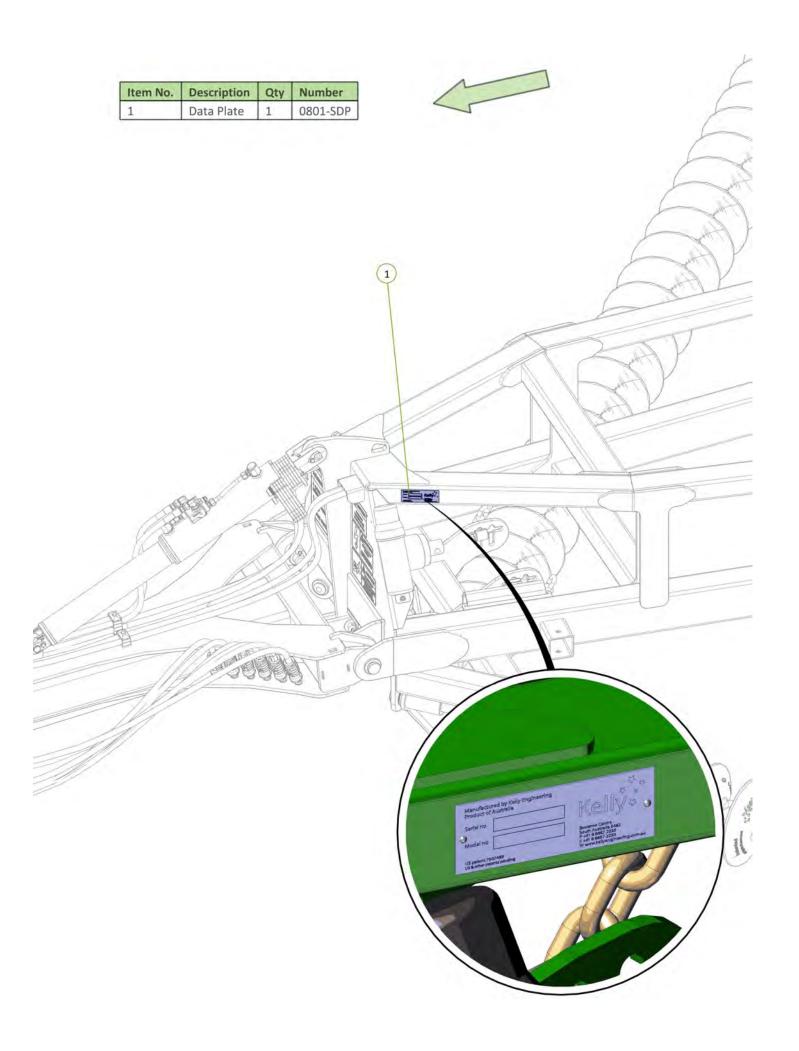
4. ALIGN AND PRESS

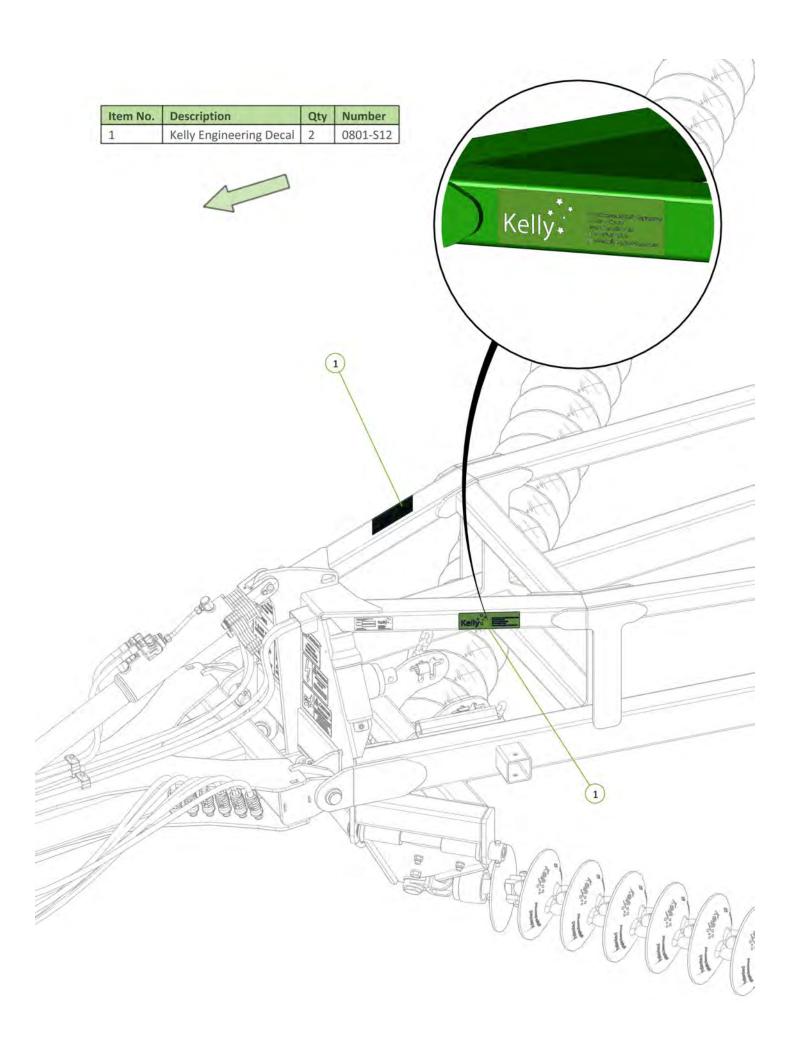
Align the decal and carefully place it on surface.

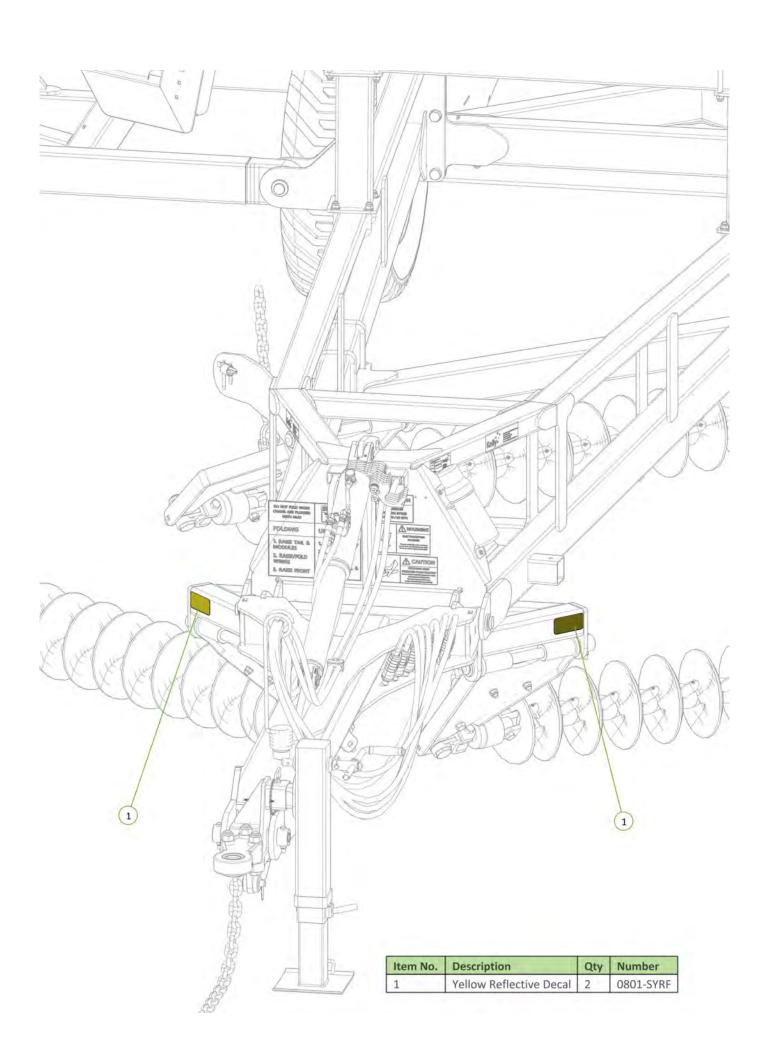
5. SMOOTH

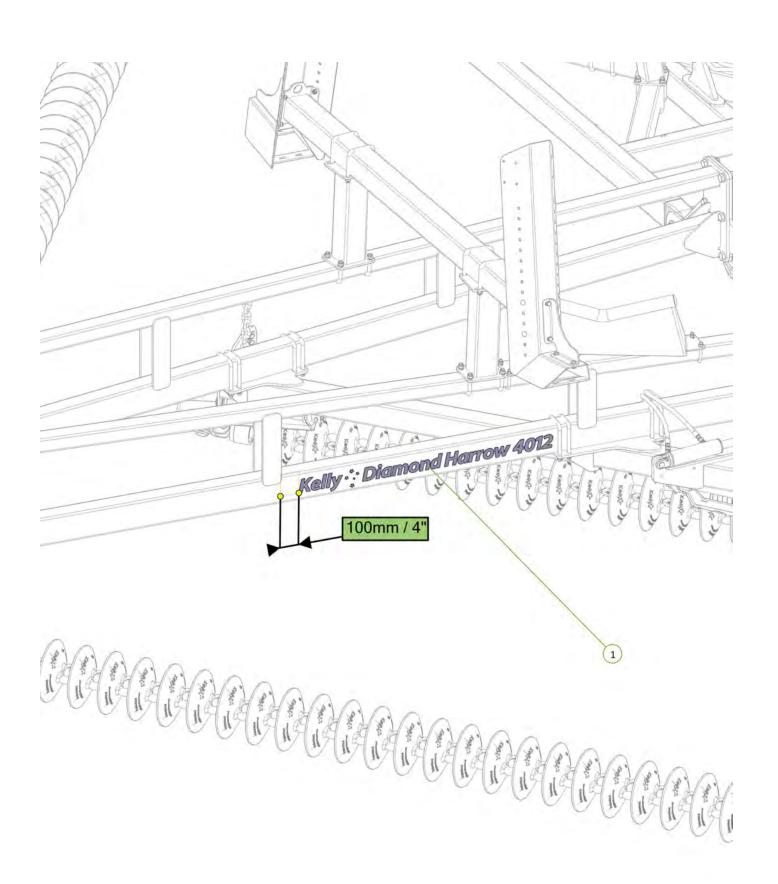
Use a squeegy to smooth design over surface, from center to corners and to push out all remaining air. Ensure full coverage with no bubbles.





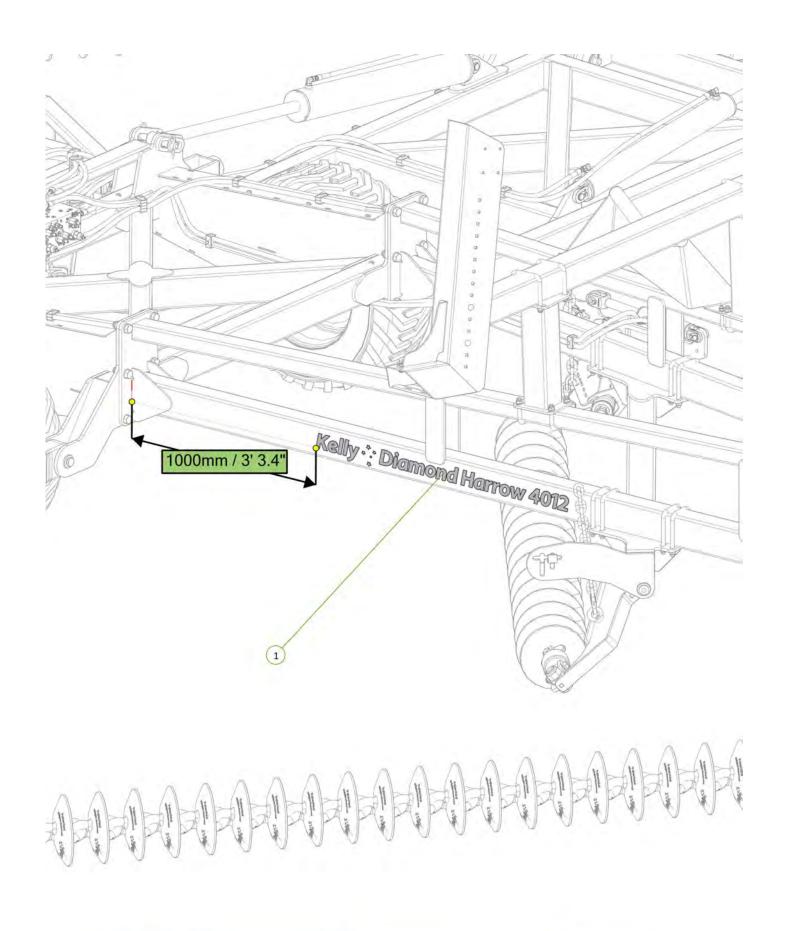






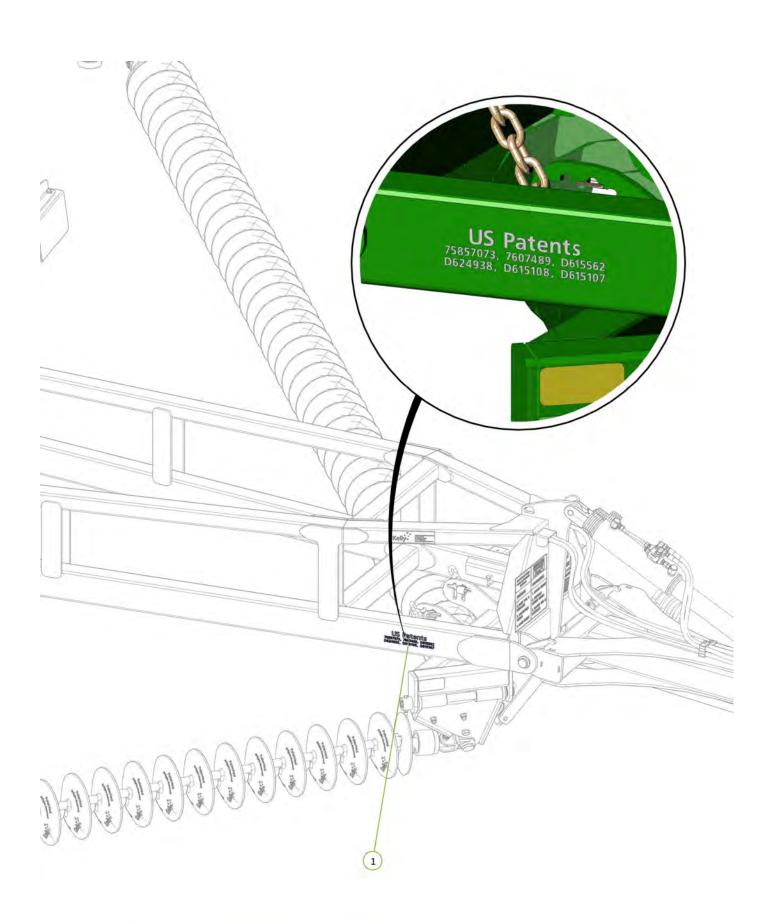
Item No.	Description	Qty	Number
1	Diamond Harrow 4012 Decal	1	0801-SKDH4012





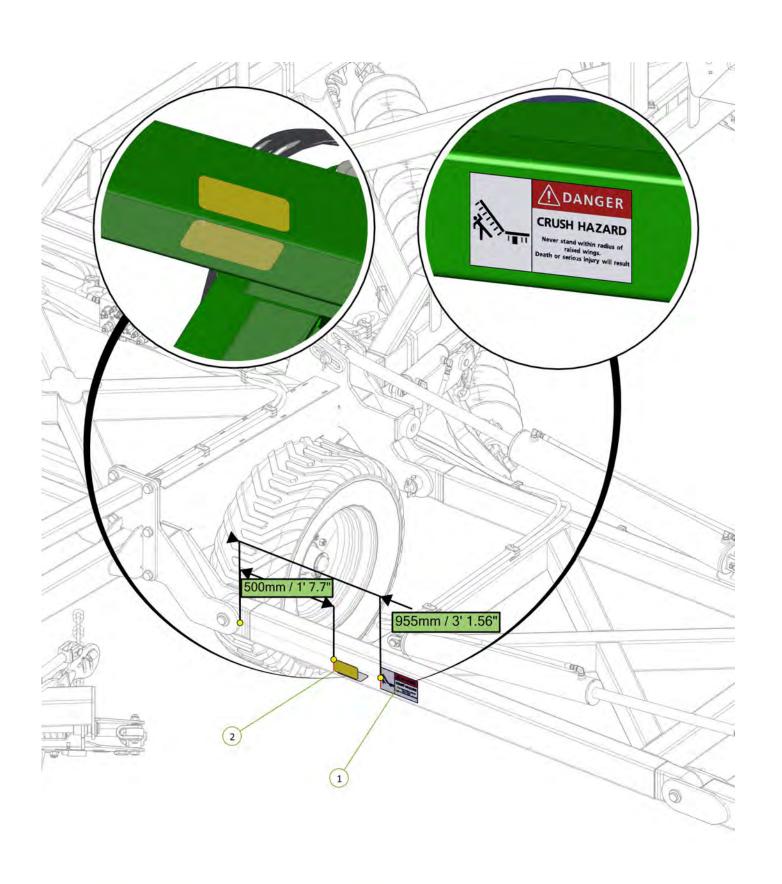
Item No.	Description	Qty	Number
1	Diamond Harrow 4012 Decal	1	0801-SKDH4012





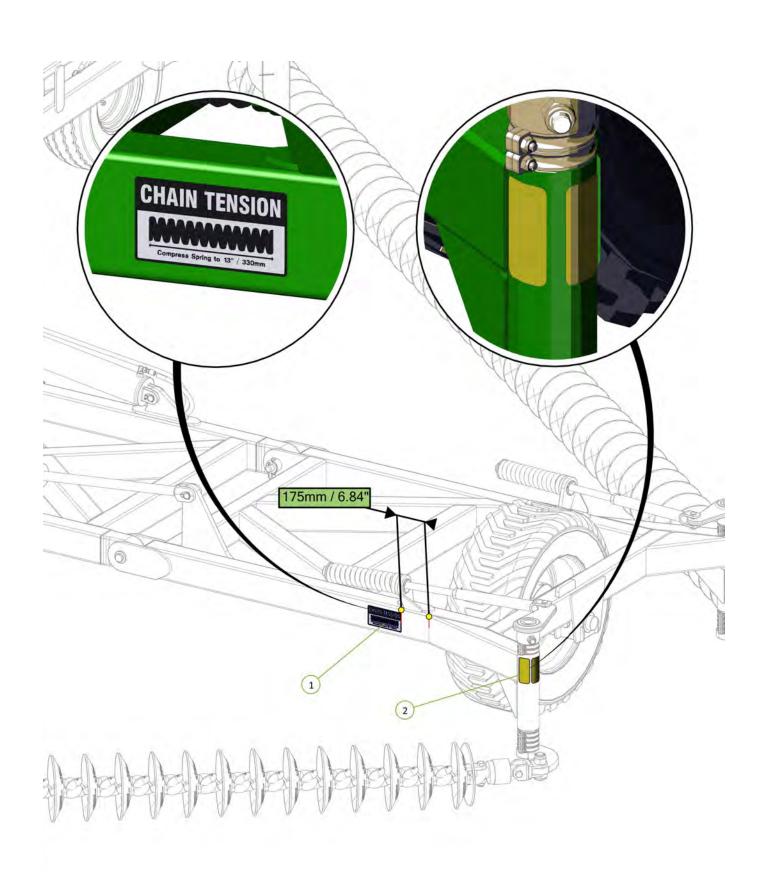
Item No.	Description	Qty	Number
1	USA Patent No. Decal	1	0801-SUSP





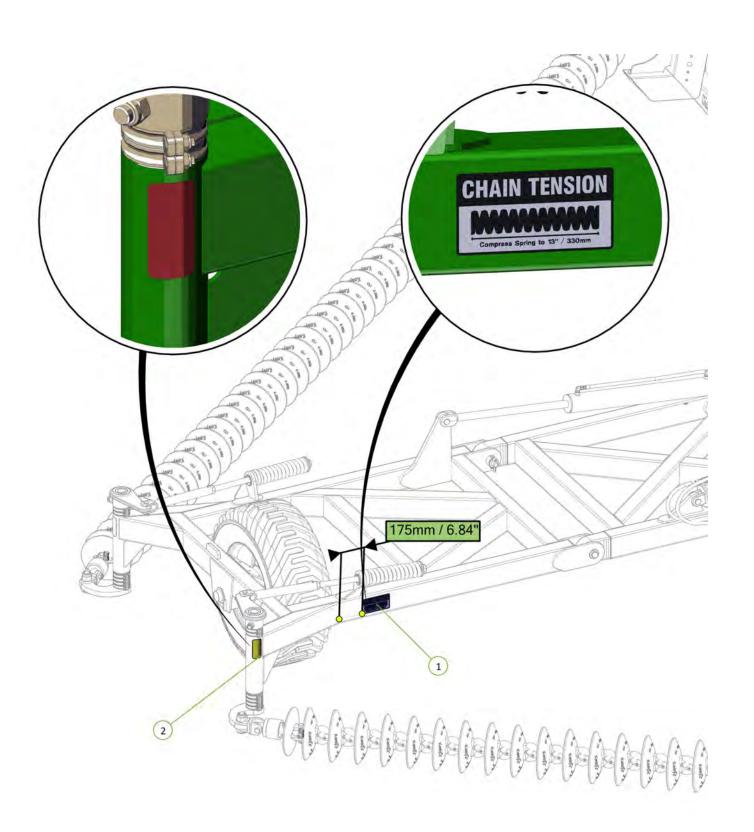
Item No.	Description	Qty	Number
1	Danger Crush Hazard Decal	1	0801-S3
2	Yellow Reflective Decal	2	0801-SYRF





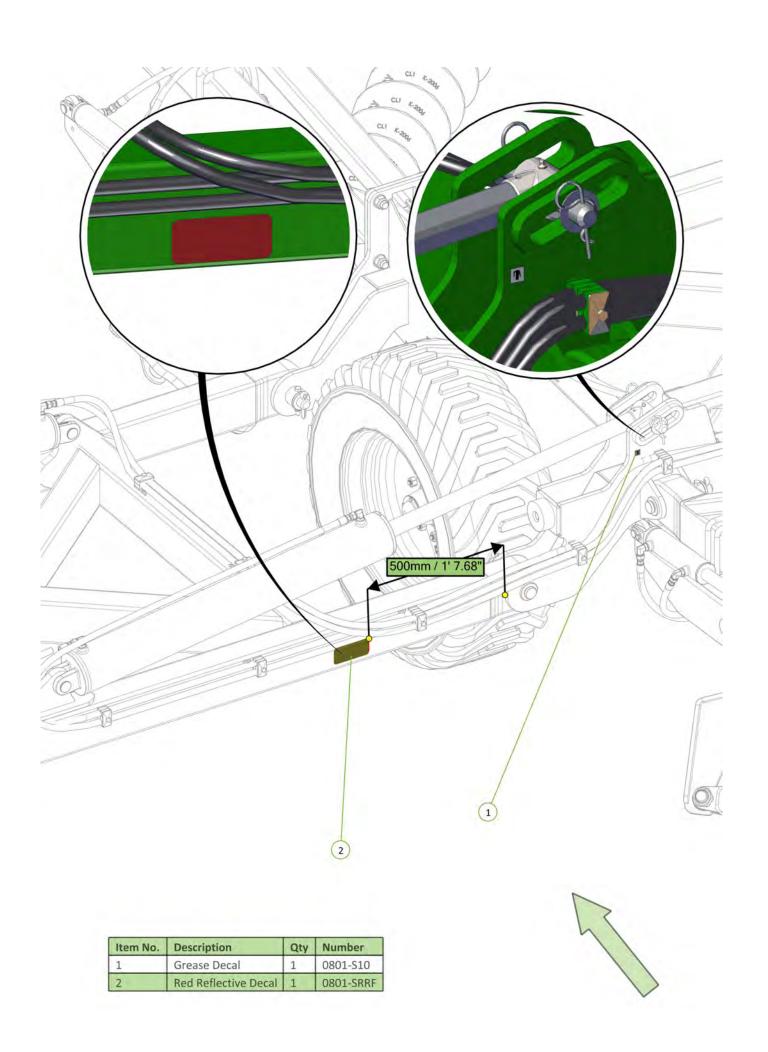
Item No.	Description	Qty	Number
1	Chain Tension 330mm Decal	1	0801-S15
2	Yellow Reflective Decal	2	0801-SYRF

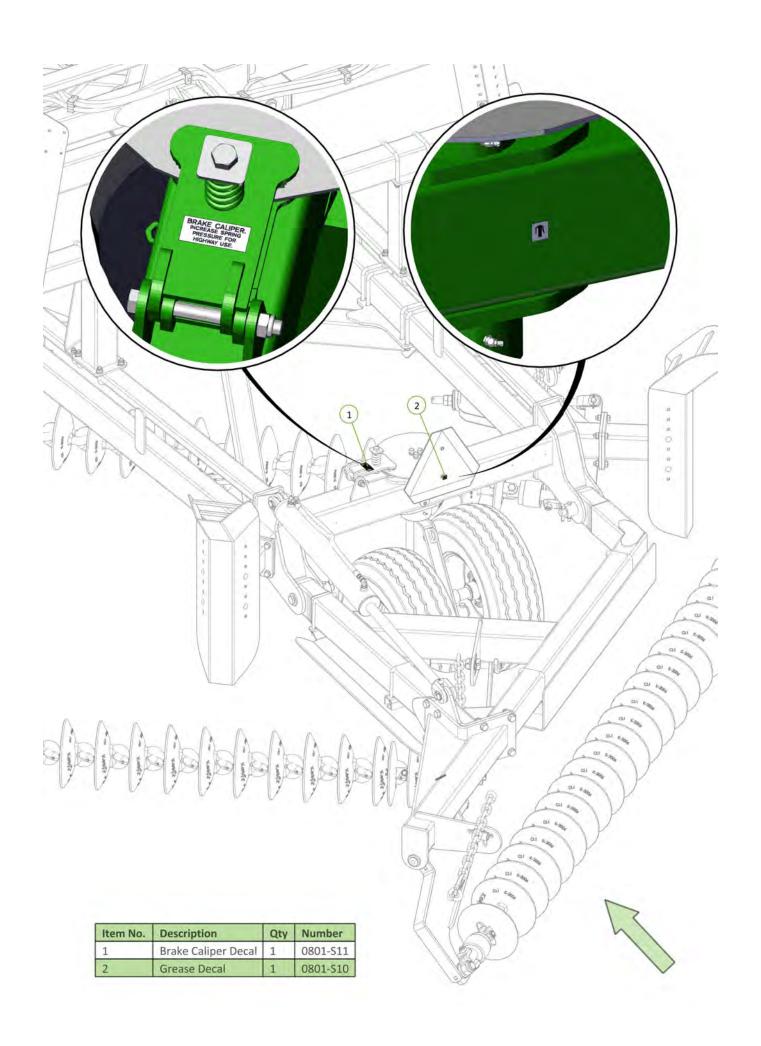




Item No.	Description	Qty	Number
1	Chain Tension 330mm Decal	1	0801-S15
2	Red Reflective Decal	1	0801-SRRF

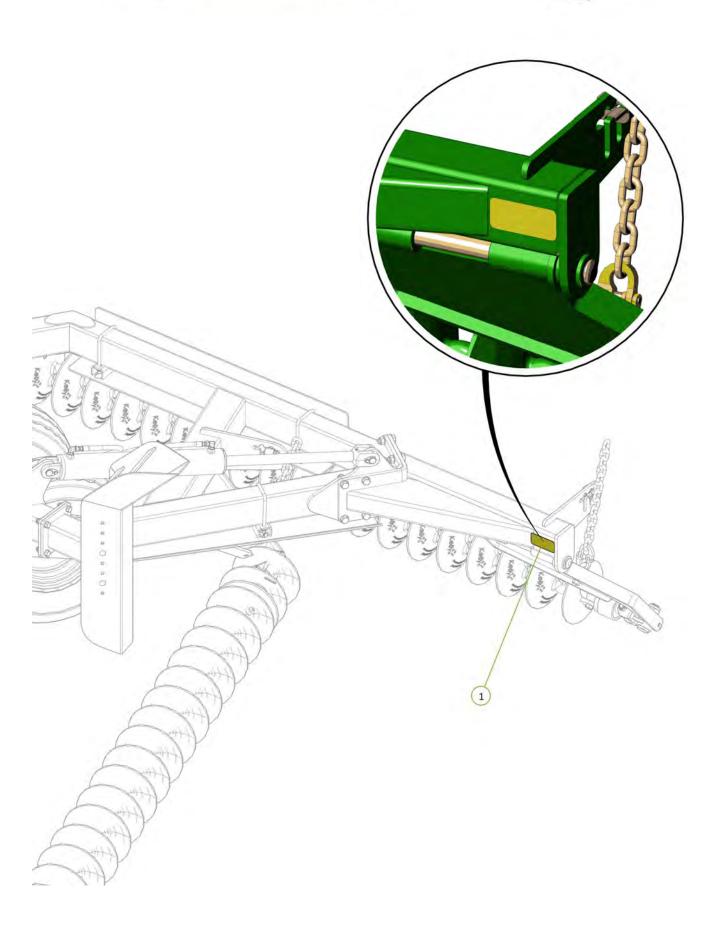




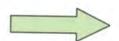


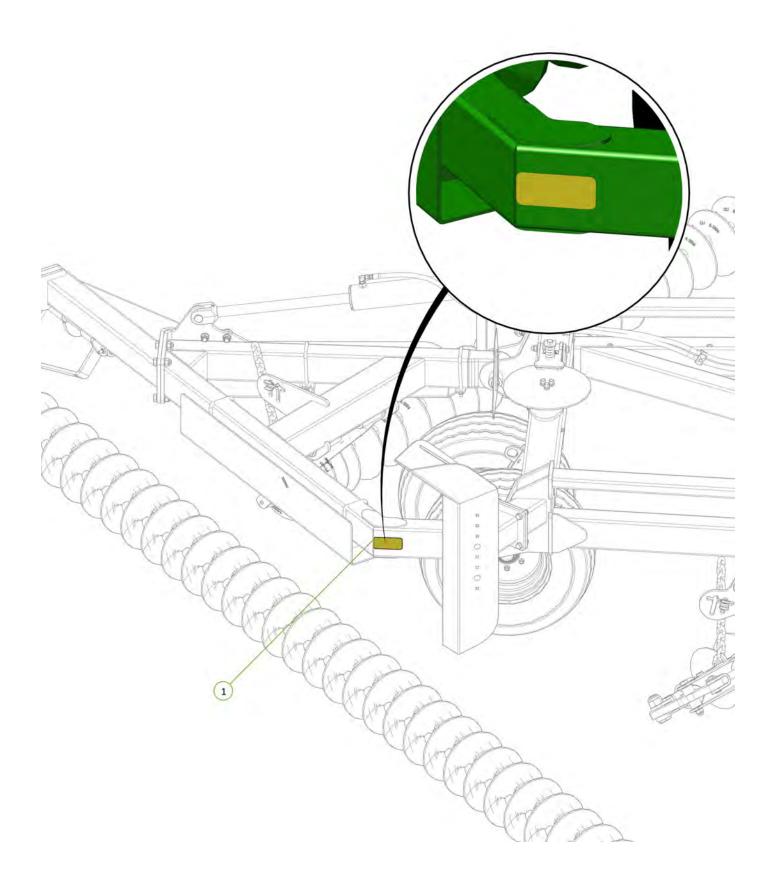
Item No.	Description	Qty	Number
1	Yellow Reflective Decal	1	0801-SYRF

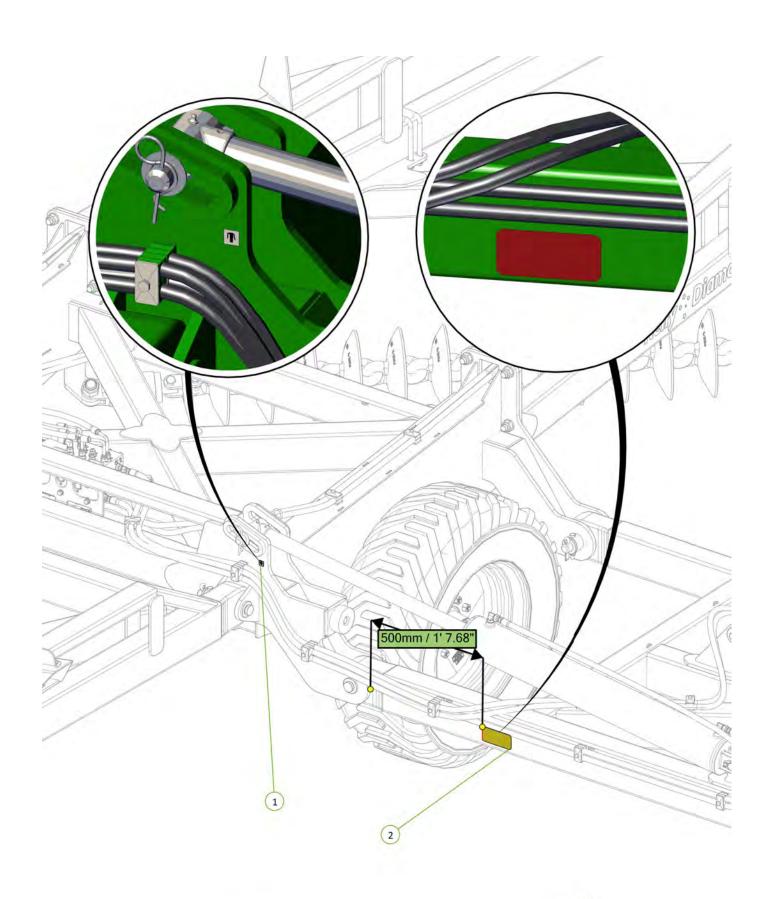




Item No.	Description	Qty	Number
1	Yellow Reflective Decal	1	0801-SYRF

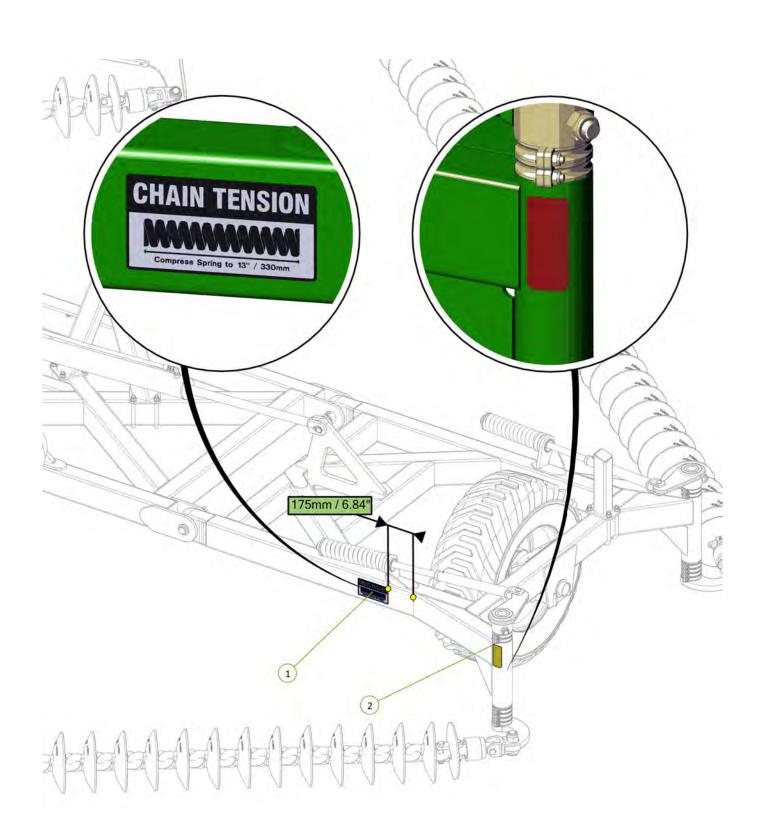






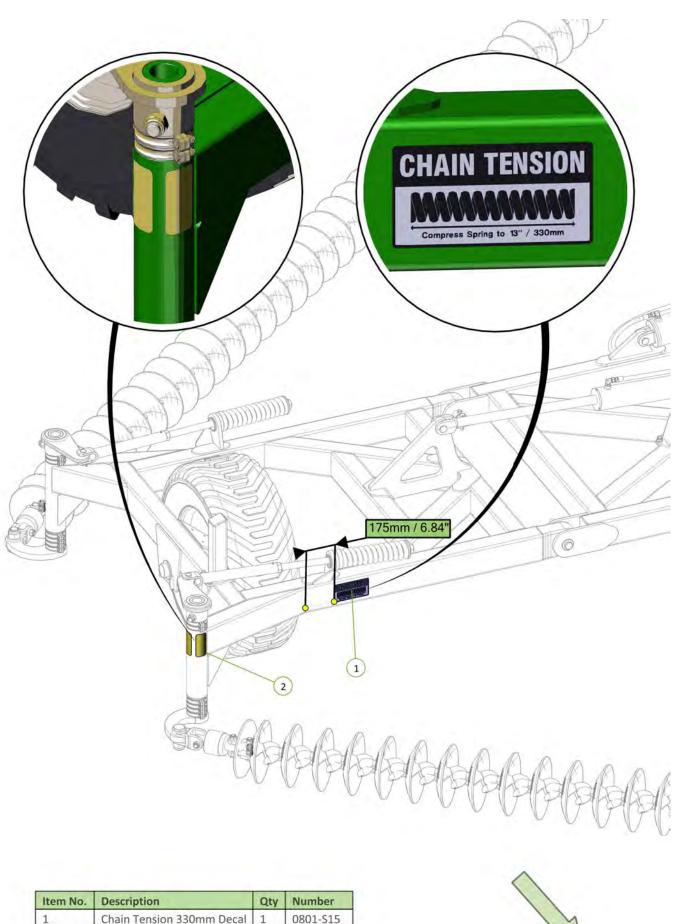
Item No.	Description	Qty	Number	
1	Grease Decal	1	0801-S10	
2	Red Reflective Decal	1	0801-SRRF	





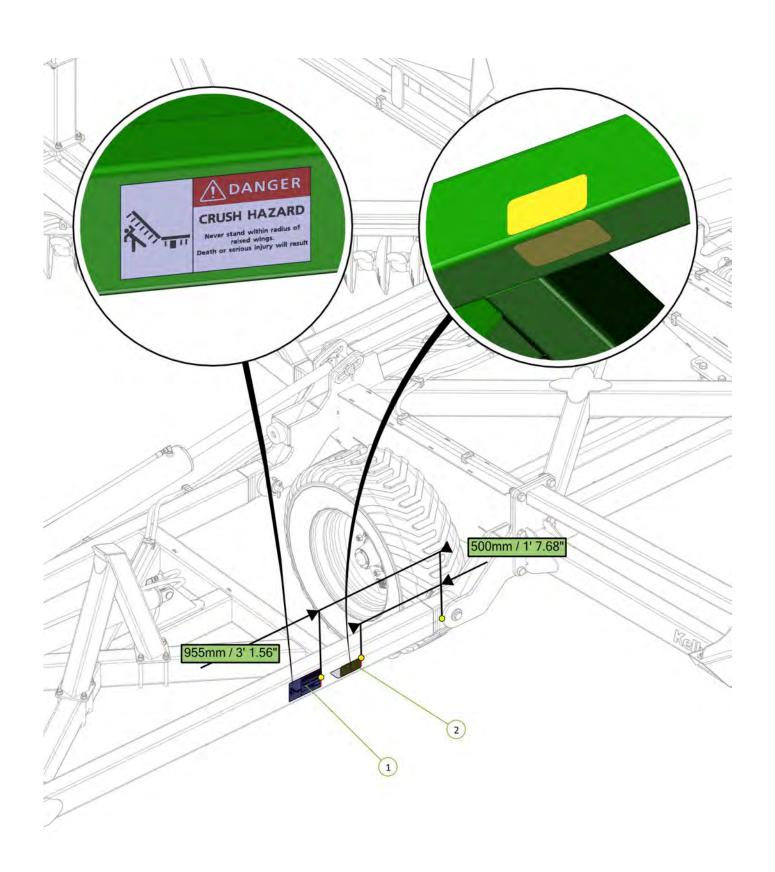
Item No.	Description	Qty	Number
1	Chain Tension 330mm Decal	1	0801-S15
2	Red Reflective Decal	1	0801-SRRF



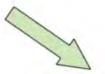




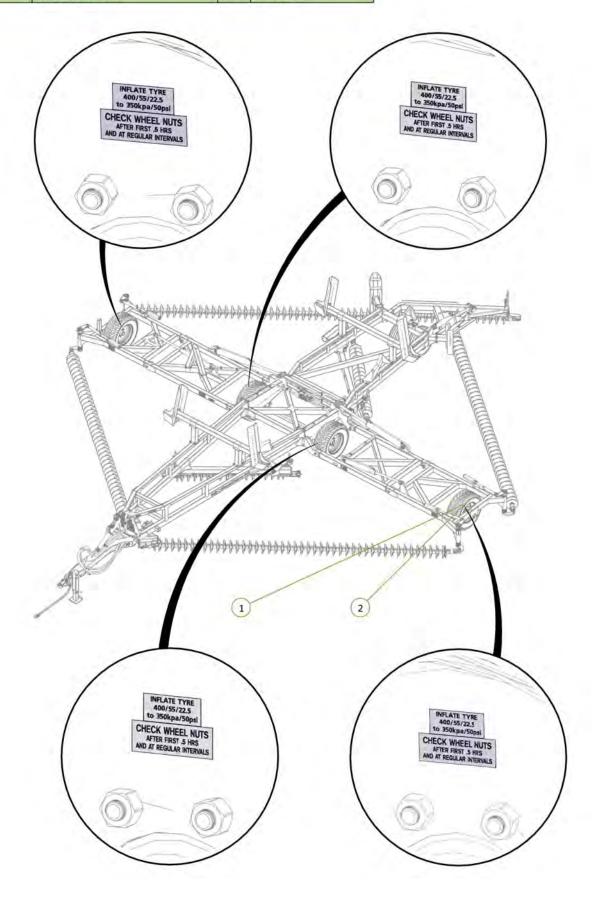




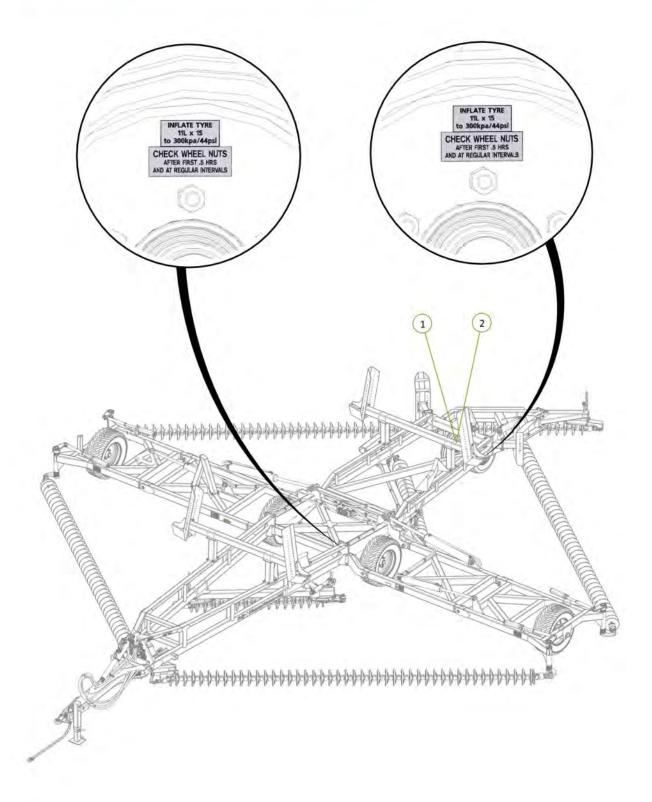
Item No.	Description	Qty	Number
1	Danger Crush Hazard Decal	1	0801-S3
2	Yellow Reflective Decal	2	0801-SYRF



Item No.	Description	Qty	Number
1	Decal, 400/55/22.5 Tyre Inflation	4	0801-S8-400-55-22.5
2	Wheel Nut Decal	4	0801-S9

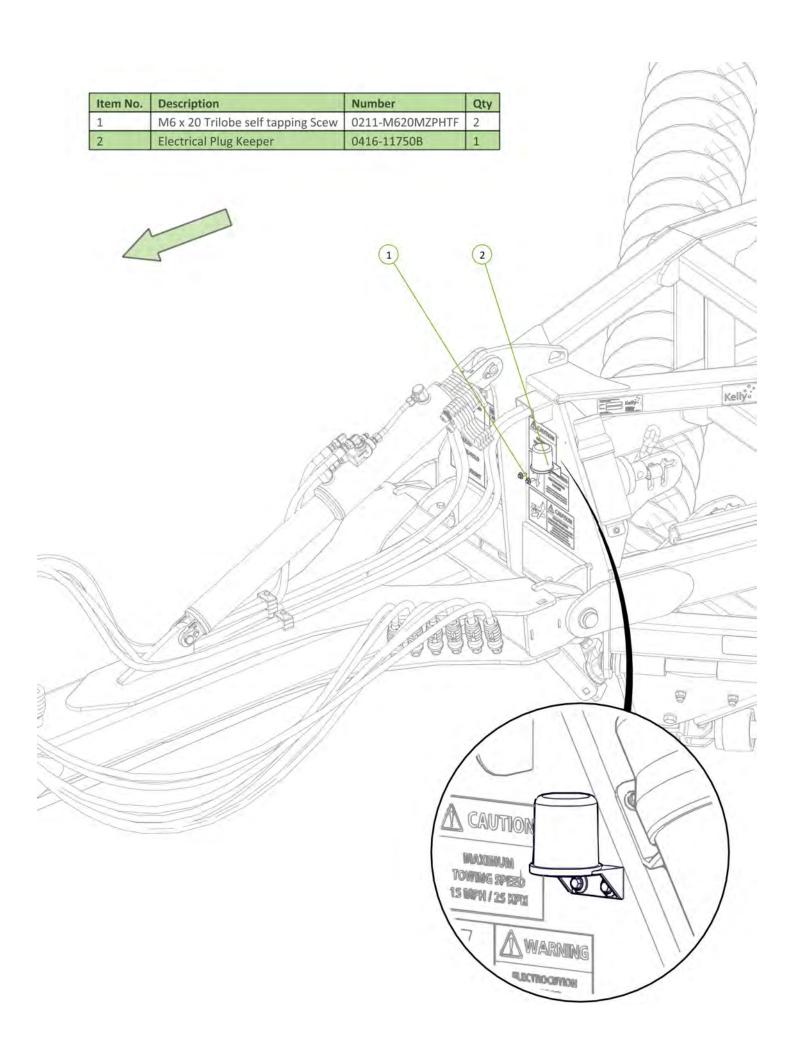


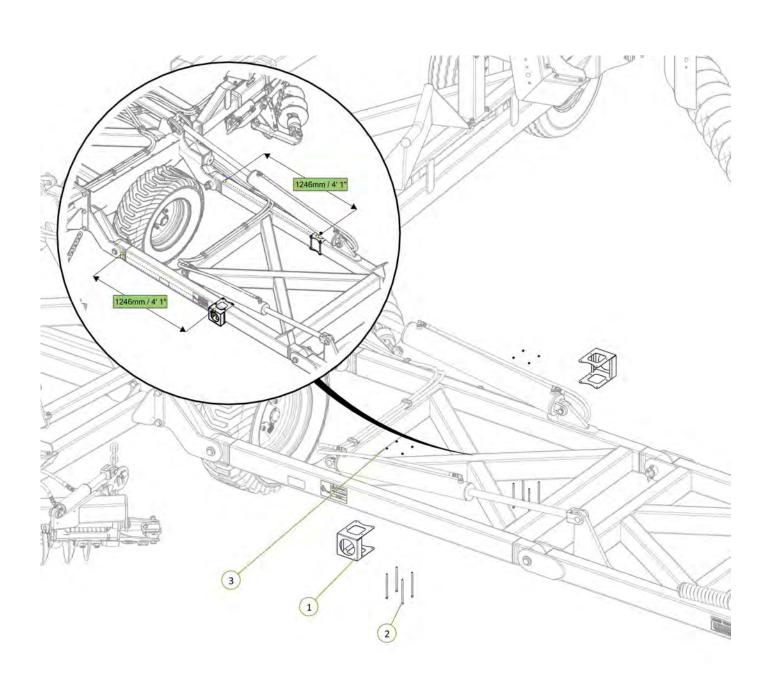
Item No.	Description	Qty	Number
1	Decal, 11L-15 Tyre Inflation	2	0801-S8-11L-15
2	Wheel Nut Decal	2	0801-59



Section 4 Light Kit





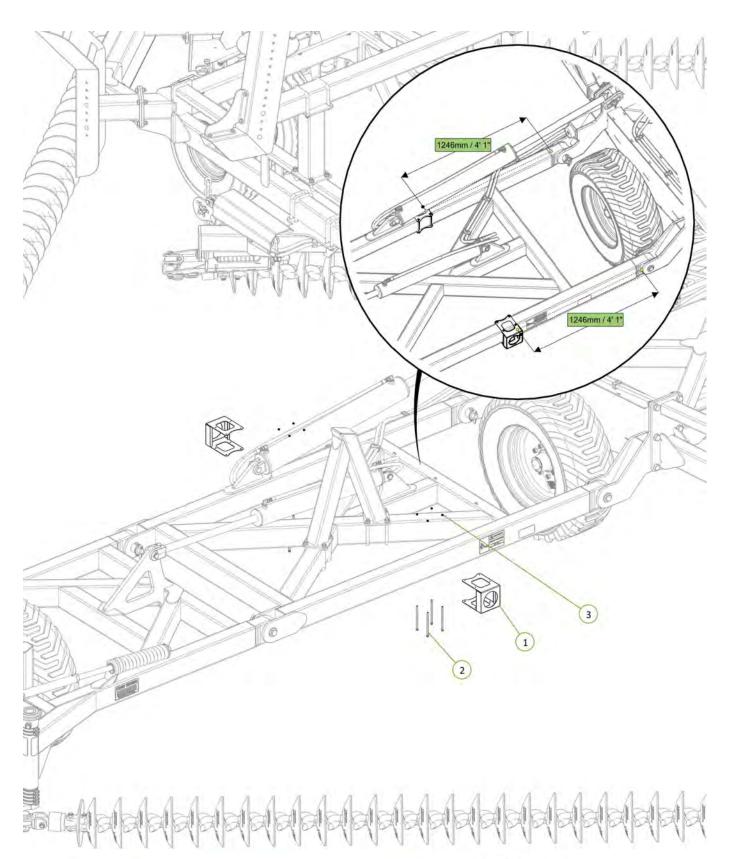




Item No.	Description	Number	Qty	
1	Wing light bracket	0800-296	2	
2	Socket Head Bolt M6 x 170 zp	0211-SH6170	8	
3	Nyloc Nut M6	0221-NYL6	8	

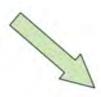


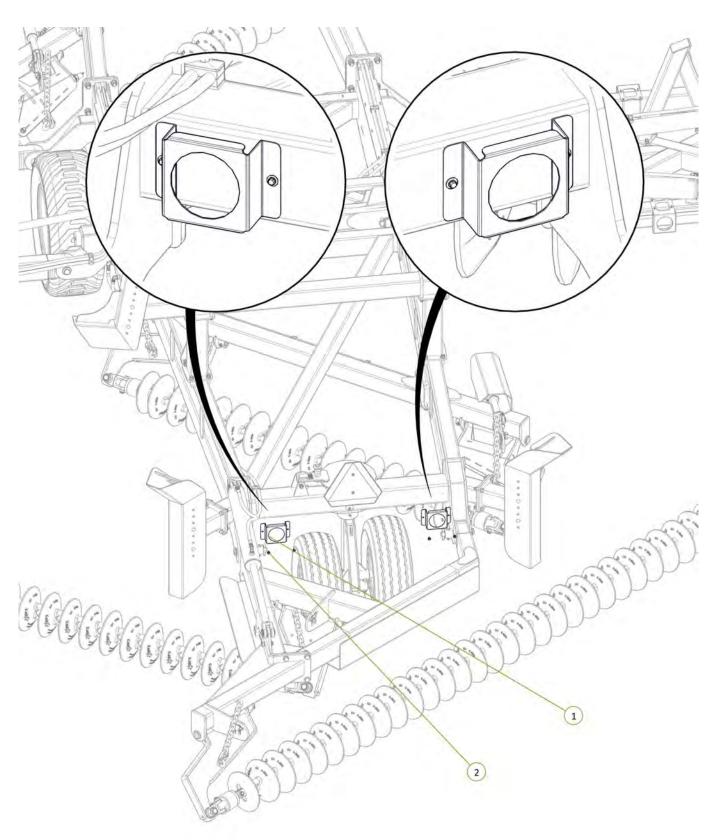




Item No.	Description	Number	Qty	
1	Wing light bracket	0800-296	2	
2	Socket Head Bolt M6 x 170 zp	0211-SH6170	8	
3	Nyloc Nut M6	0221-NYL6	8	



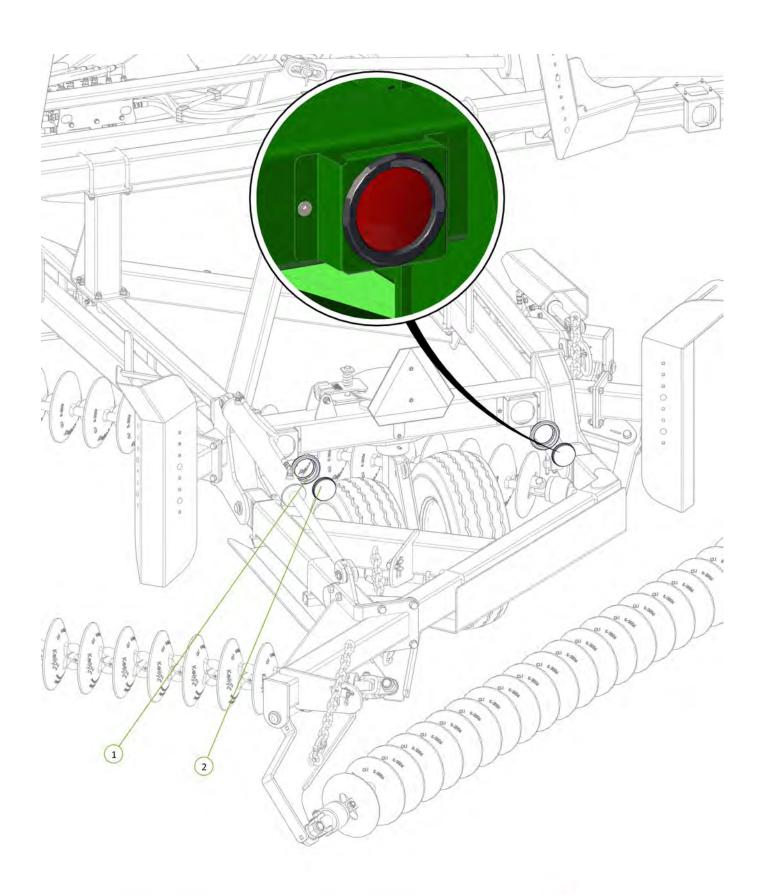




Item No.	Description	Number	Qty
1	US Tail Light Bracket	0800-194.1	2
2	M6 x 20 Trilobe self tapping Scew	0211-M620MZPHTF	4

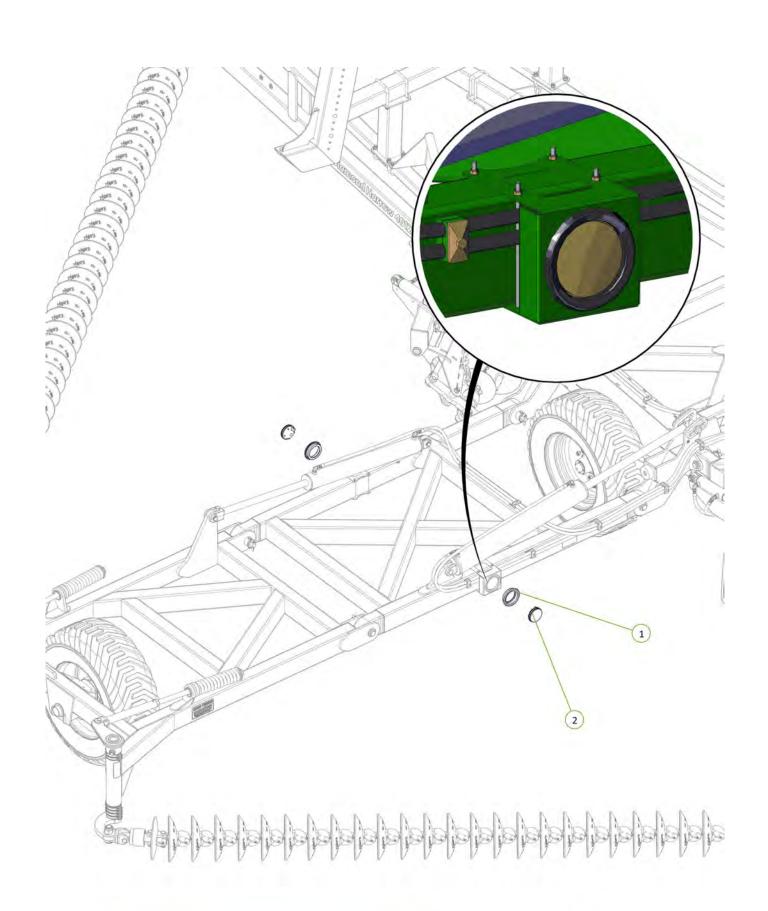






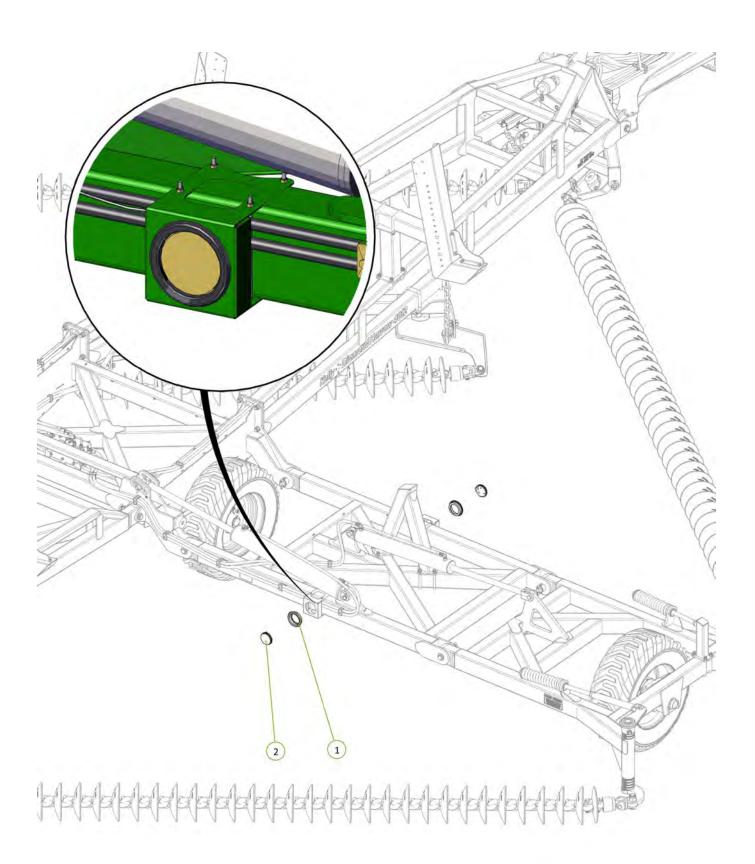
Item No.	Description	Number	Qty
1	110RM Rubber Grommet	0412-53101RG	2
2	LED Stop Tail Lamp	0412-LED110RM	2





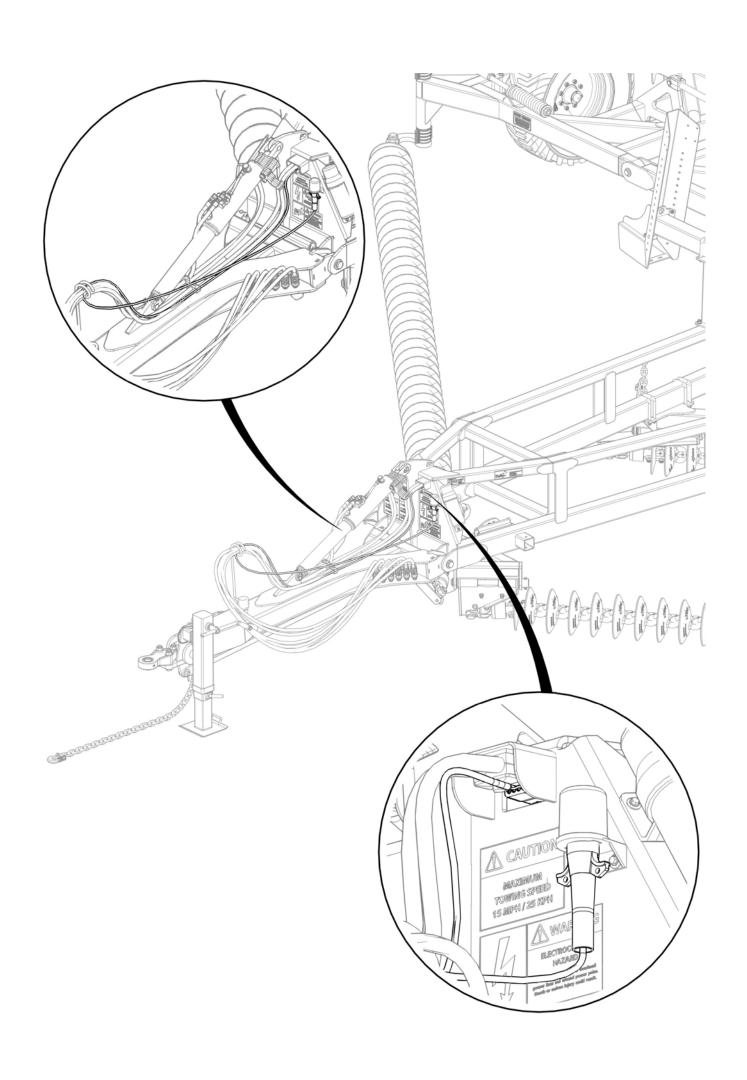
Item No.	Description	Number	Qty
1	110RM Rubber Grommet	0412-53101RG	2
2	LED Rear Indicator Lamp	0412-LED110AM	2

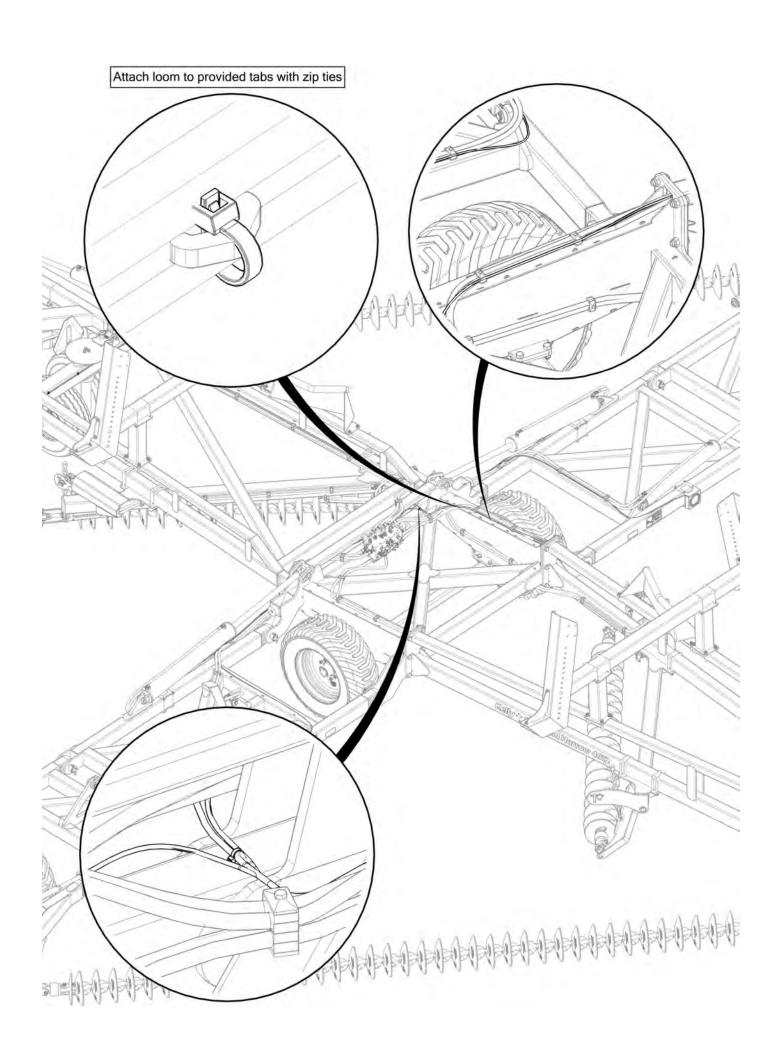


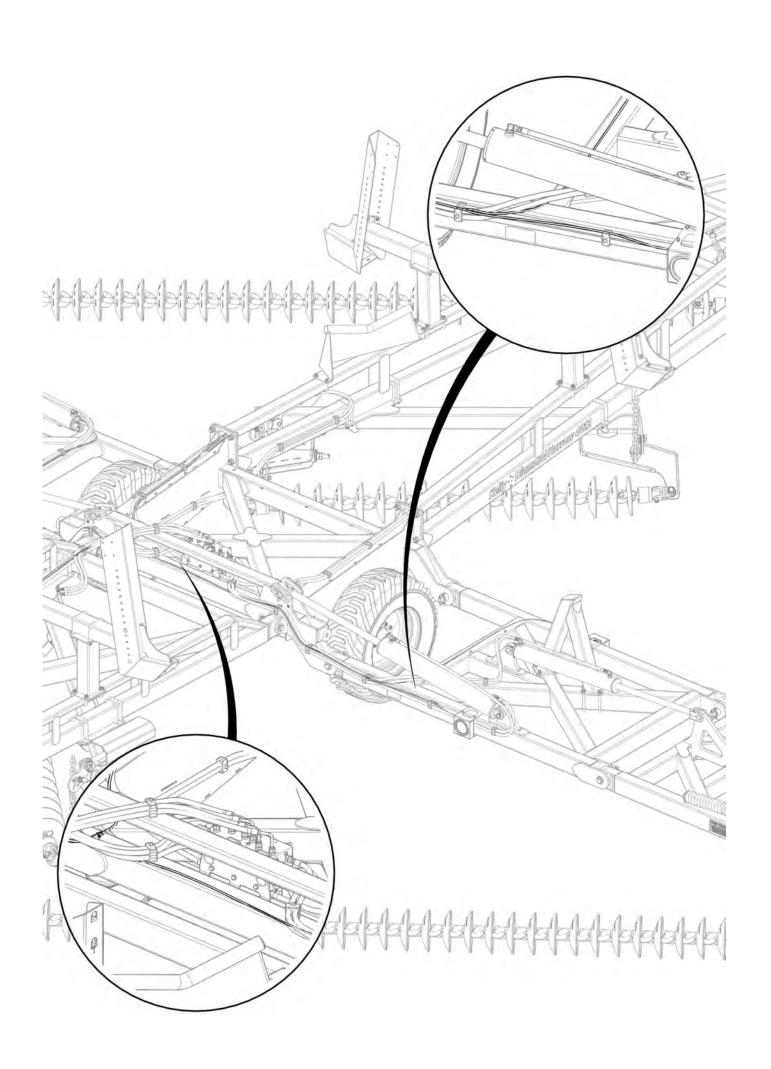


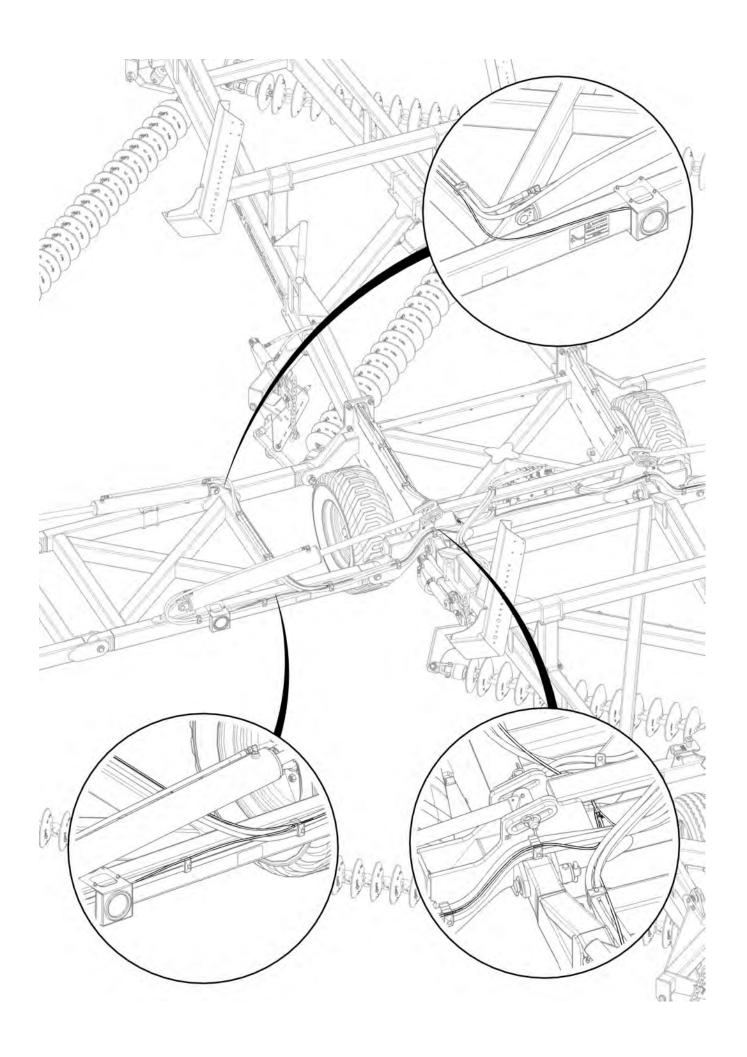
Item No.	Description	Number	Qty
1	110RM Rubber Grommet	0412-53101RG	2
2	LED Rear Indicator Lamp	0412-LED110AM	2

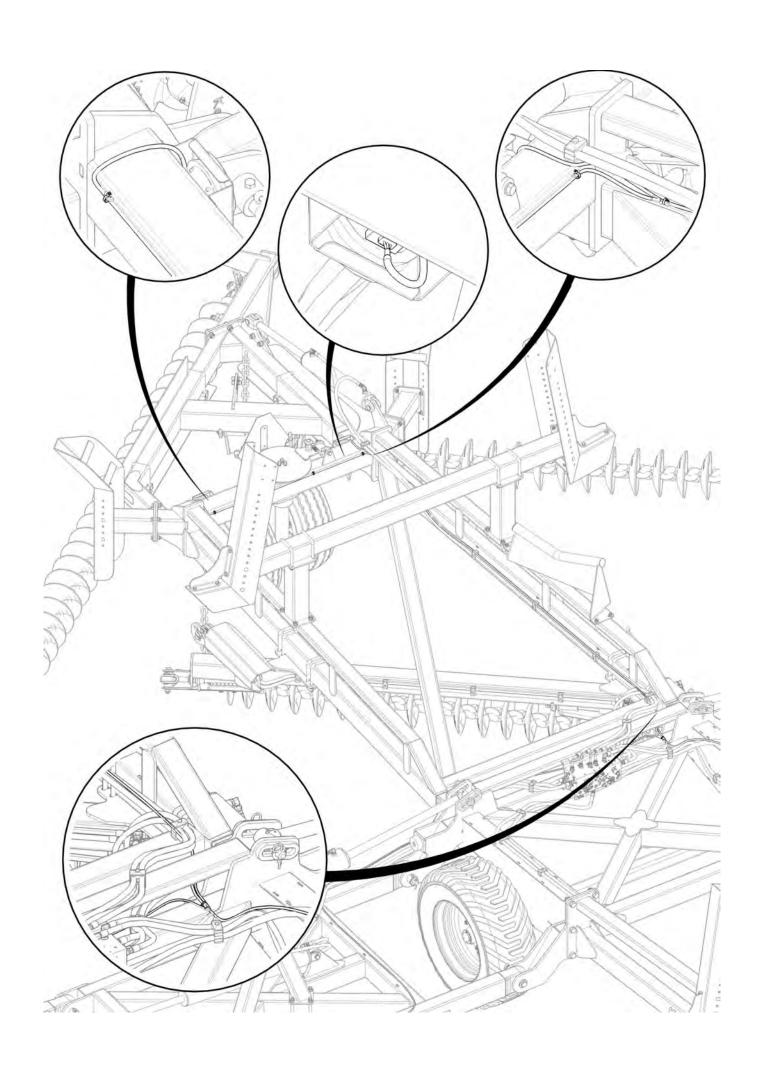


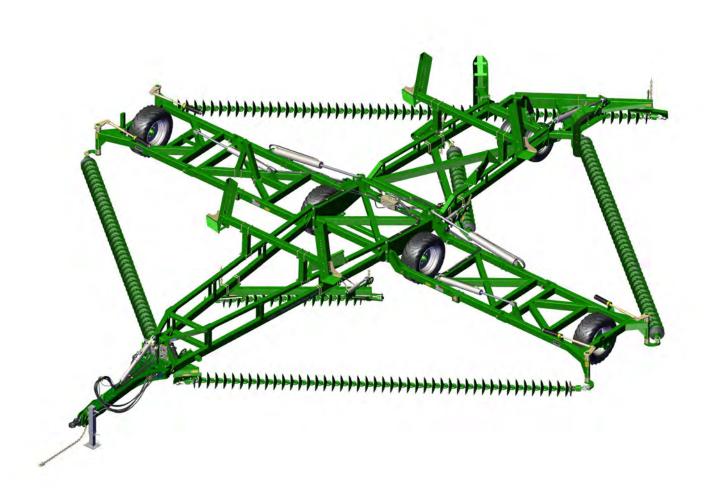




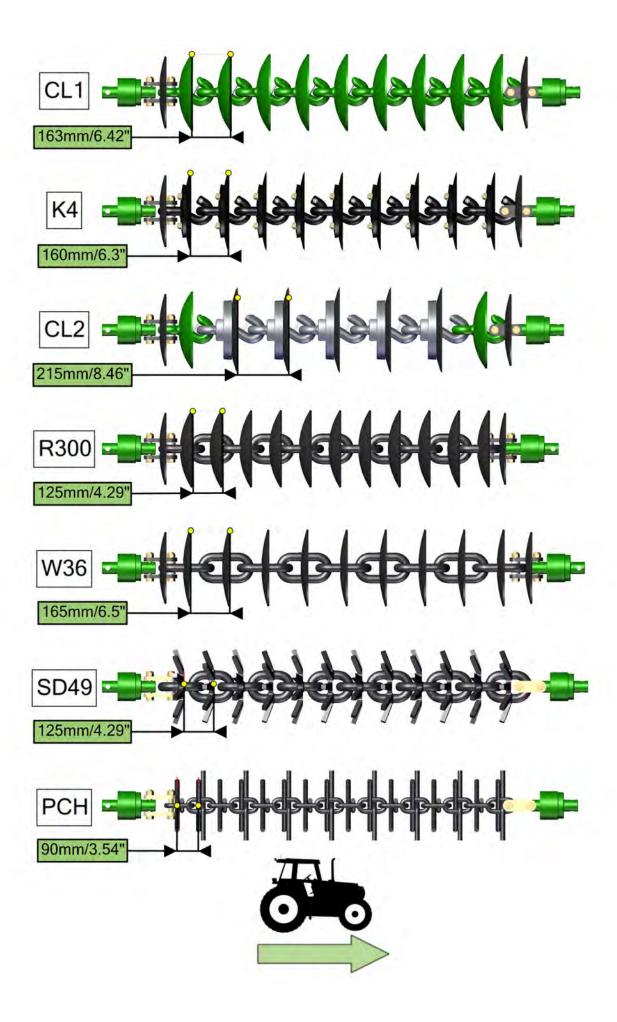




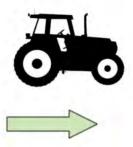


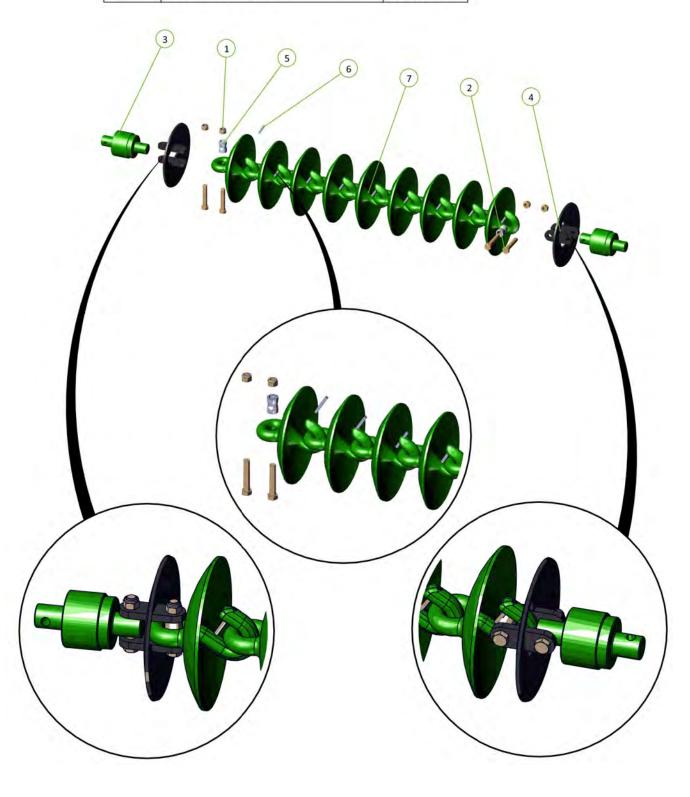


Section 5Chain Assembly



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	Disc Chain Spacer	0801-253755
6	Roll Pin Zinc Plated 3/8" x 2"	0262-3-8X2
7	CL1-B Chain Disc Link	0803-CL1

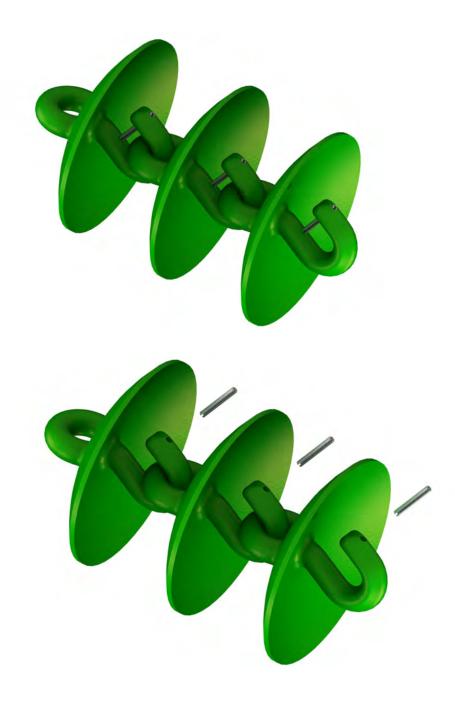




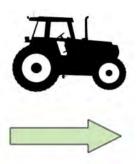
Fitting Cast Link Pins

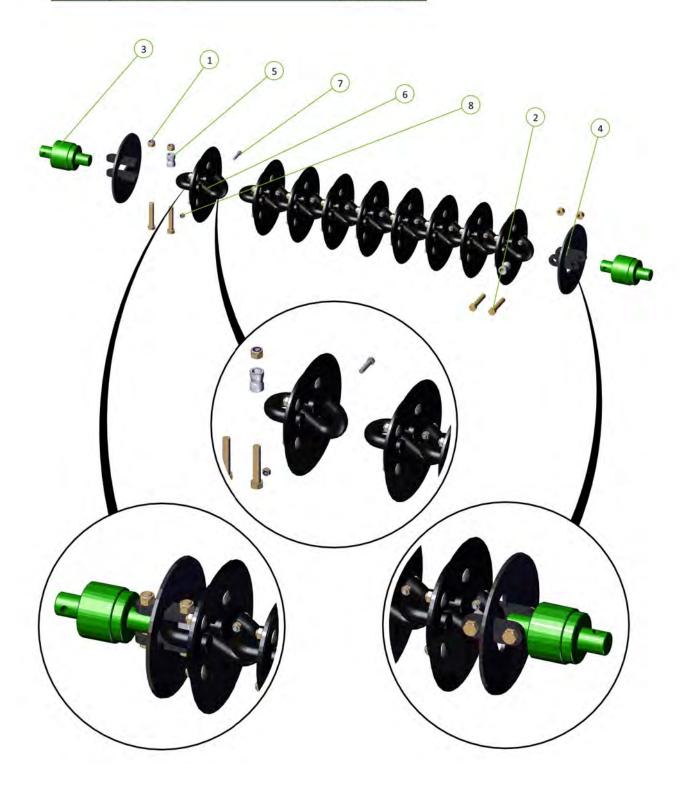
Please install cast link retaining Pins (Roll Pin Zinc Plated $3/8" \times 2"$, part number 0262-3-8X2) on all cast disc links.

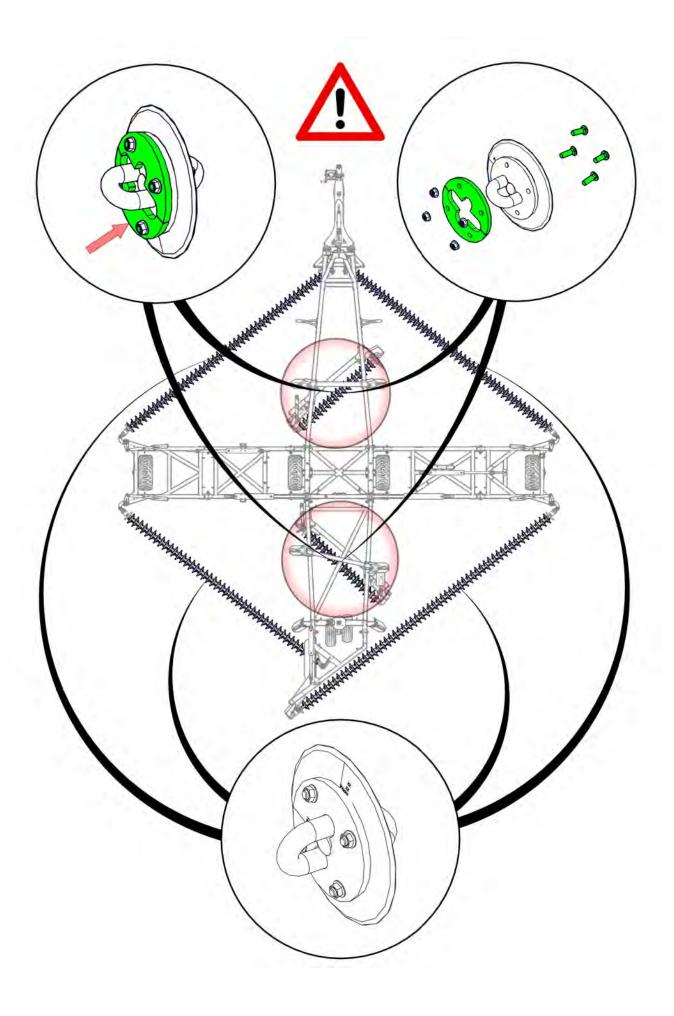
Failure to do this could lead to the discs becoming dislodged during transport causing severe damage or injury.



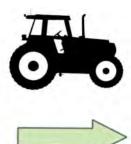
Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate Disc 20mm	0802-DCTP-20
5	Disc Chain Spacer	0801-253755
6	K4 Disc Assembly	0803-K4
7	M12 x 55 Class 8.8 ZP Bolt	0211-1255
8	Nyloc Nut M12	0221-NYL12

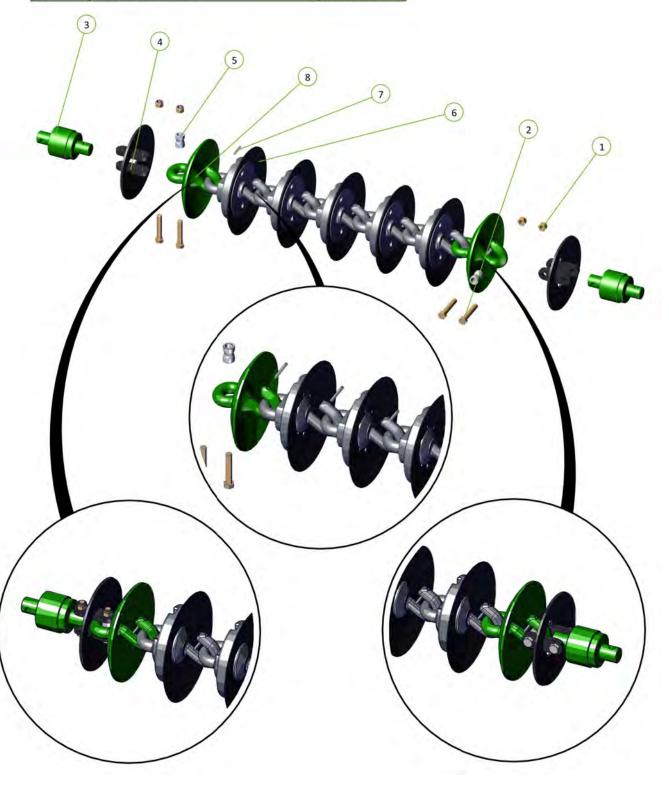


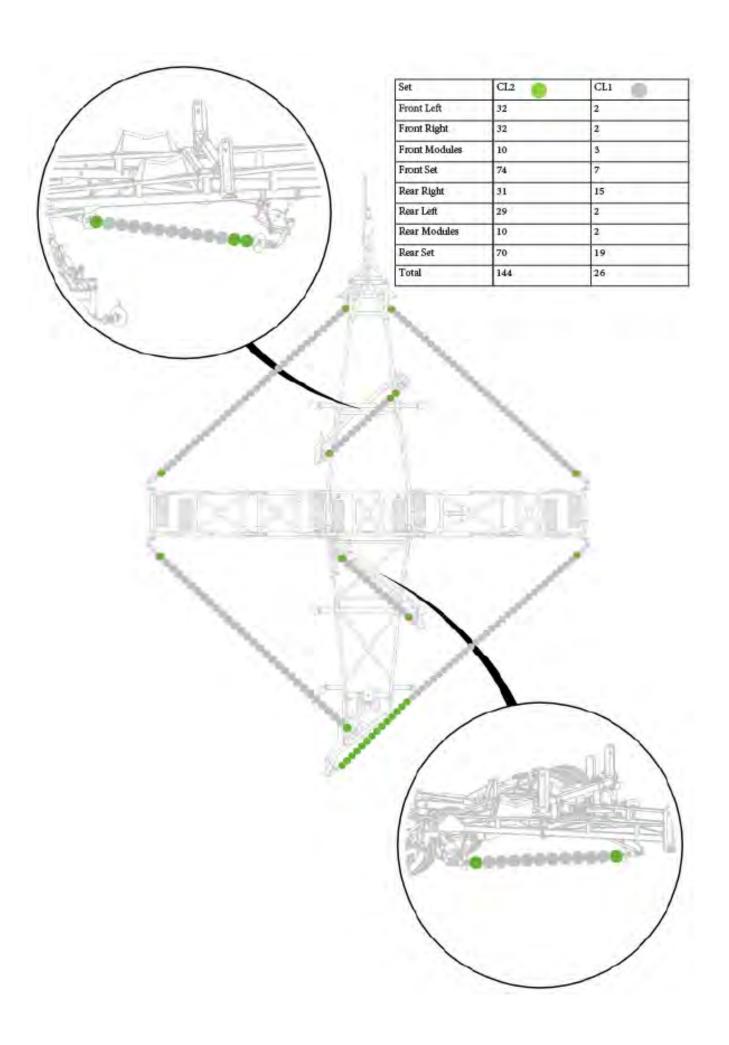




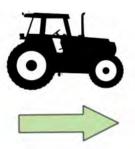
Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate Disc 20mm	0802-DCTP-20
5	Disc Chain Spacer	0801-253755
6	CL2-Link Assembly	0803-CL2
7	Roll Pin Zinc Plated 3/8" x 2"	0262-3-8X2
8	CL1 Disc Chain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

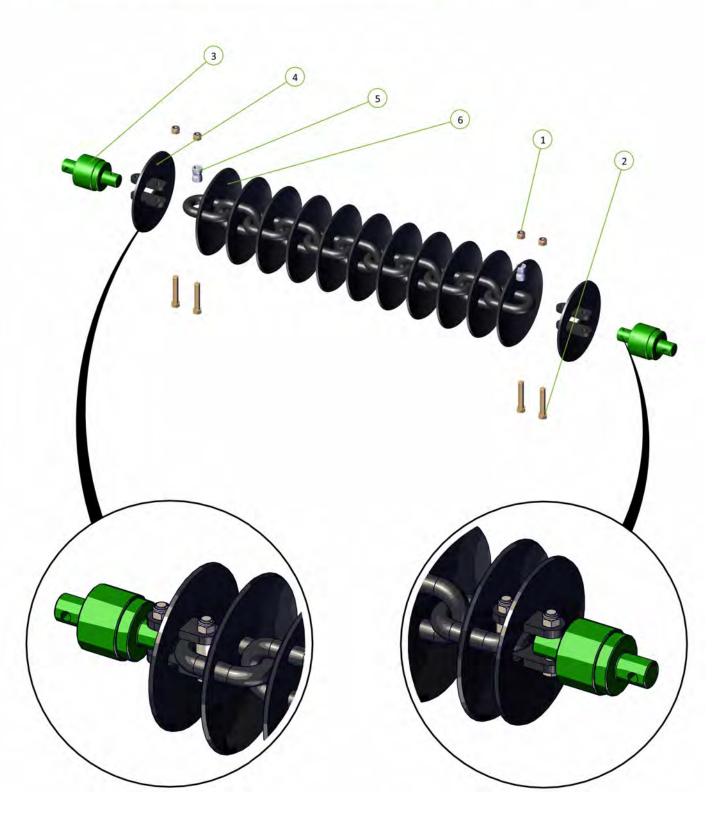




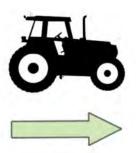


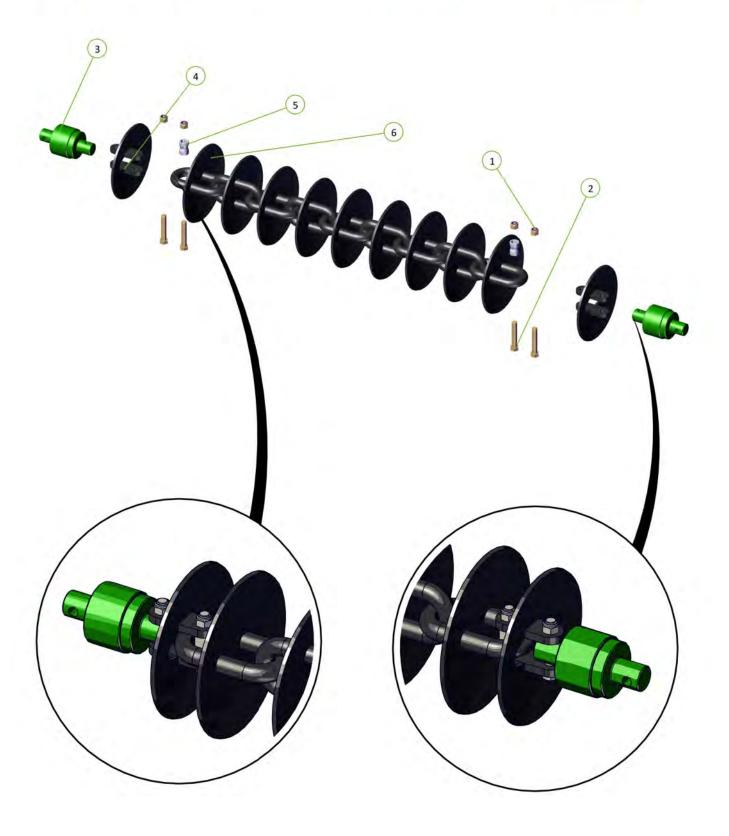
Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate Disc 20mm	0802-DCTP-20
5	Disc Chain Spacer	0801-253755
6	R300 Chain Link	0803-R300



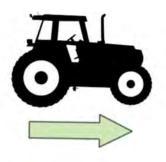


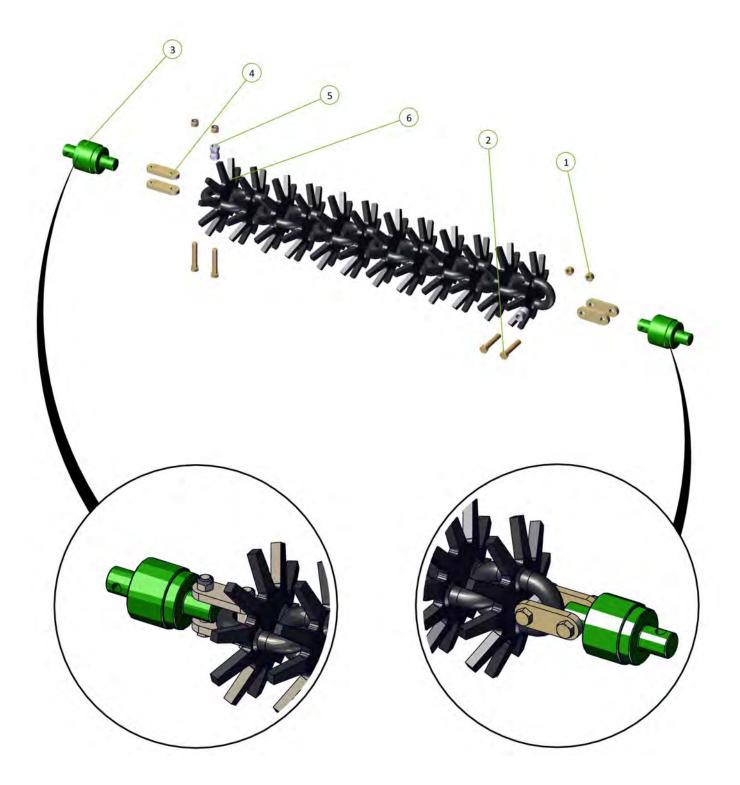
Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate Disc 20mm	0802-DCTP-20
5	Disc Chain Spacer	0801-253755
6	W36/25 Chain Link	0803-W36



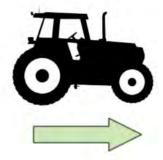


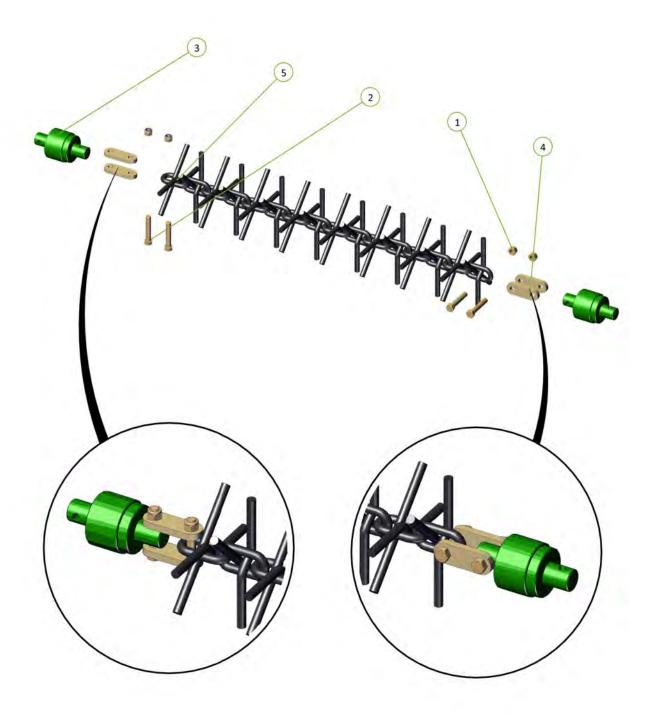
Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	Tie Plate For 20mm Bolt	0800-83.2
5	Disc Chain Spacer	0801-253755
6	10 Spike Disc Chain 49/27/5	0803-SD49



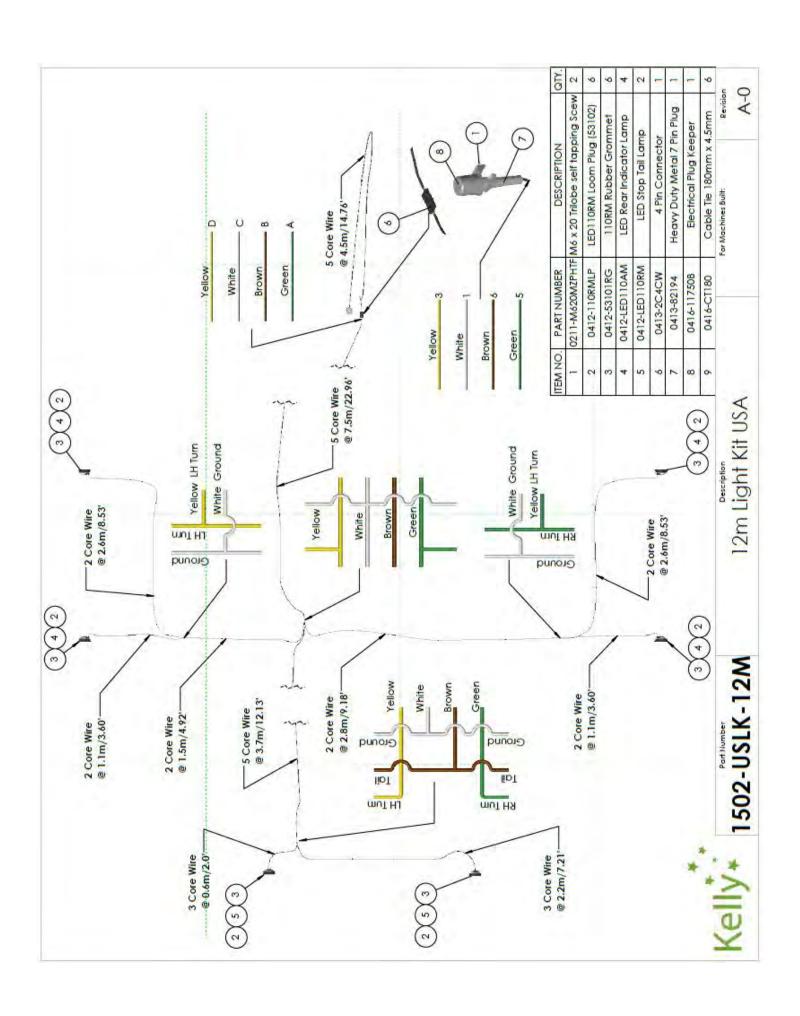


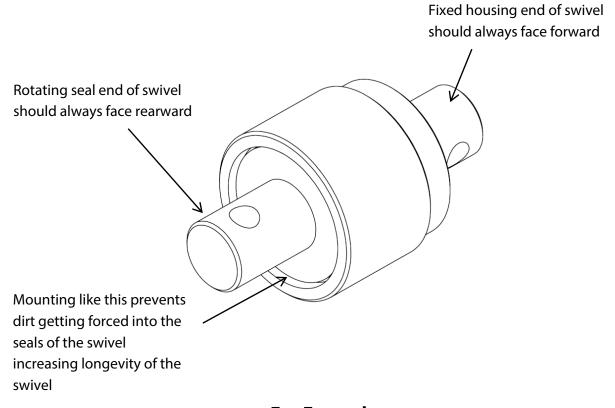
Item No.	Description	Number
1	Nyloc Nut M20	0221-NYL20
2	M20 x 110 Class 10.9 ZP Short Thread Bolt	0211-20110ST
3	20mm Bolt Swivel Unit	0802-PCHB55
4	0800-83.2	0800-83.2
5	Prickle Chain	0803-PCH

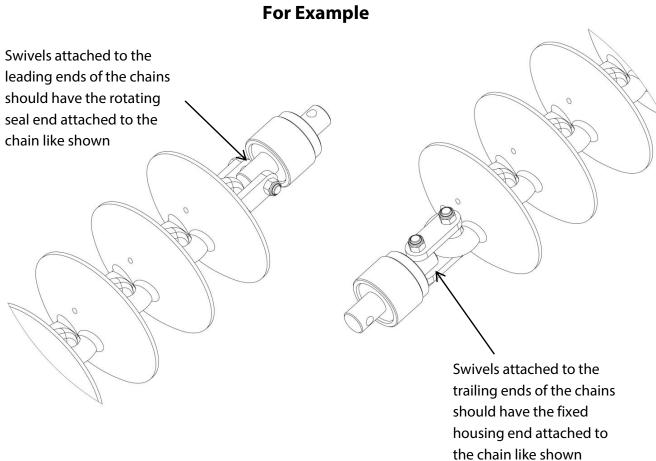




Section 6 Diagrams & Specifications







Operating speeds

Recommended operating speeds in normal conditions with all chain types			
Operating and working speeds	6-8 mph / 10-12 kph		
Transporting / towing speed	15 mph / 25 kph		

Tire Pressure

Tire size	Ply	PSI	KPA			
400/55-22.5	18	50	350			
11L/15	10	44	300			

4012 specifications

Model 4012	All measurements are a guide only and may be +/- 1"
Operating width	12.93 m / 42′5.14″
Transport width	3.44 m / 11′ 3.42″
Transport height	3.88 m / 12′8.77″
Transport length	14.68 m / 48′ 1.98″

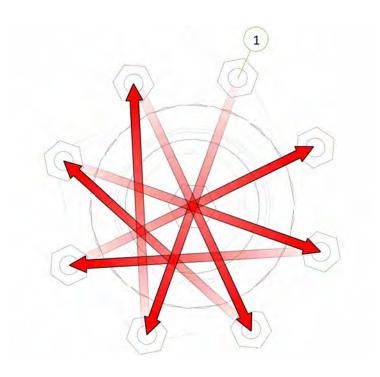
Bolt Torque Settings

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

[1] When fitting a wheel 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.



Disc Chains Lengths and Quantities

Mode	I	Length	CL2	CL1	K4	W36	R300	SD49	Prickle chain
			CL2 disc chain also requires CL1 disc chain						
4012	Front right	23′5.69″/ 7.16m	CL2 - 32 CL1 - 2	44	45	42	57	57	79
	Front left	23'5.69"/ 7.16m	CL2 - 32 CL1 - 2	44	45	42	57	57	79
	Rear right	29'8.69"/ 9.06m	CL2 - 31 CL1 - 15	55	57	53	72	72	101
	Rear left	21'9.85"/ 6.65m	CL2 - 29 CL1 - 2	41	42	39	53	53	74
	Front module	8′6.09″ / 2.59m	CL2 - 10 CL1 - 3	16	16	15	21	21	29
	Rear module	8'6.52" / 2.60m	CL2 - 10 CL1 - 2	16	16	15	21	21	29

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

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

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



Section 7 Operation

Basic Operation

Unfolding:

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

Folding:

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

Importance of chain tension

Operational

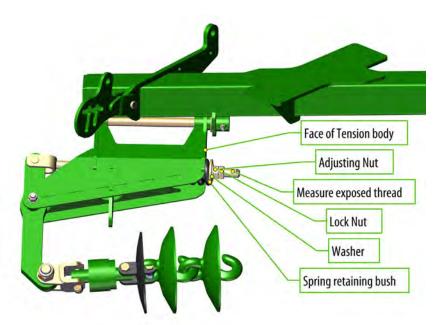
Chain tension is critical to achieve a smooth and level seedbed. A correctly tensioned, monitored and maintained chain will deliver the results you need. Incorrect chain tension can lead to:

- 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.

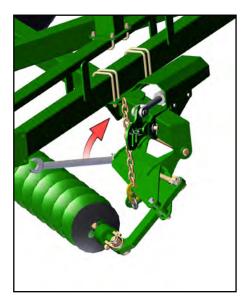
A correctly adjusted machine will not cause this problem.

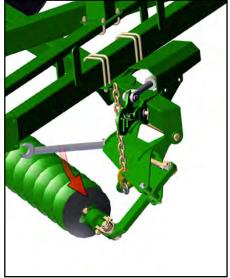
Chain Tension - Modules

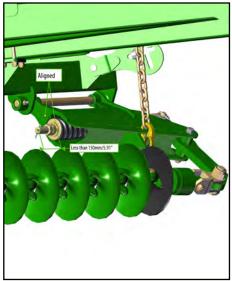
- 1. Loosen the lock nut on the draw bolt.
- 2. Tighten the adjusting nut clockwise until the outer face of the spring retaining washer is pushed with the body of the module tensioning unit.
- 3. When 7-7/8" / 200mm or more of tensioner thread is visible then one link must be removed from the chain set to maintain correct tension adjustment. Spring length of 330mm / 1'1".
- 4. Retighten the lock nut.

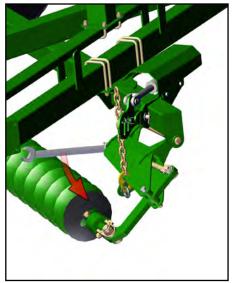


Chain Tension - Modules









Chain Tension - Wings

- Use the spanner supplied to loosen the lock nut adjacent to the tensioner assembly body.
- Turn the module tension rod clockwise to compress the coil spring to $330 \, \text{mm} / 1'1''$. Correct tension is achieved when spring retains its set length when operator rolls the chain fore and aft on the ground.
- Retighten the lock nut.
- When less than 0.98" / 25mm of thread remains visible on the adjustor bolt then a link must be removed from the chain.









Correct Chain Height Adjustment

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

Below is the process to adjust the Dropleg height.

1	Loosen chain tension completely
2	Undo $2 \times M10$ bolts from corresponding spacer set and take the two halfs 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 4''/102 mm of adjustment.



