

Thank you for choosing a Kelly Engineering product

We trust that you find the following manual clear and easy to follow. If you should require additional customer support or assistance, please do not hesitate to contact us.

Spare parts can be purchased, as required, through your local dealer or by contacting Kelly Engineering Australia or in the United States, Hood & Company.

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

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This symbol indicates which bag the relevant fastners are in



This symbol indicates which bag the relevant hydraulics are in



This symbol inicates the hydraulics are in a box



This symbol indicates which way the machine is travelling

Section 1 Unpacking

Unpacking



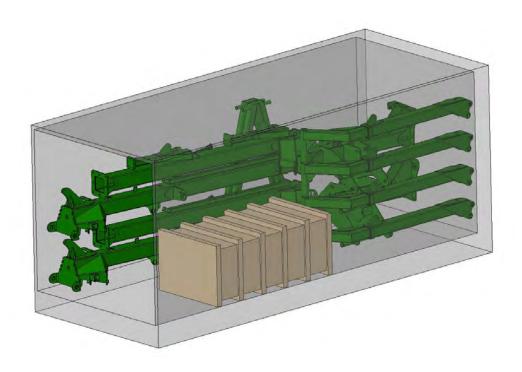
 Before unloading any loads please inspect exterior for damage

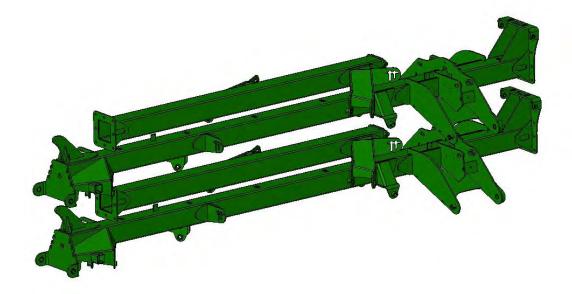


CAUTION

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 approximately (2600 lbs 1200kg)
- 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

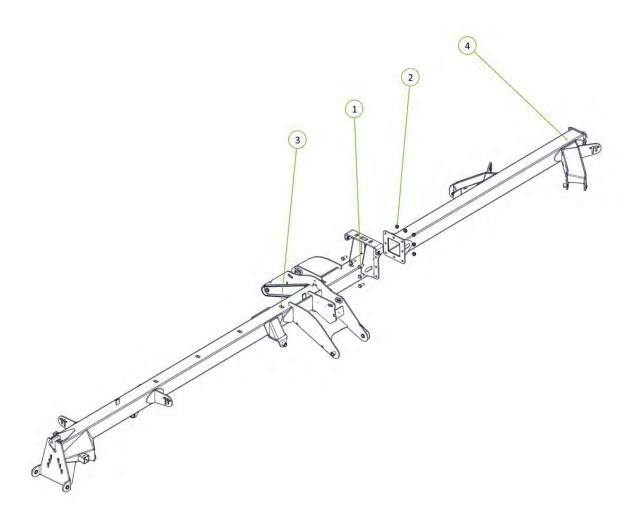
To avoid falling or moving components, before cutting straps attach slings or chains to individual pieces and only cut the straps holding the piece to be lifted.

- Remove boxes from rear of container one at a time using a forklift truck. Each box weighs approximately 2600 lbs (1200 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	M24 x 55 Grade 8.8 ZP Bolt	8	0211-2455
2	Nyloc Nut M24	8	0221-NYL24
3	6m Centre Section Frame	1	1520-01
4	6m Rear Section Frame	1	1520-03

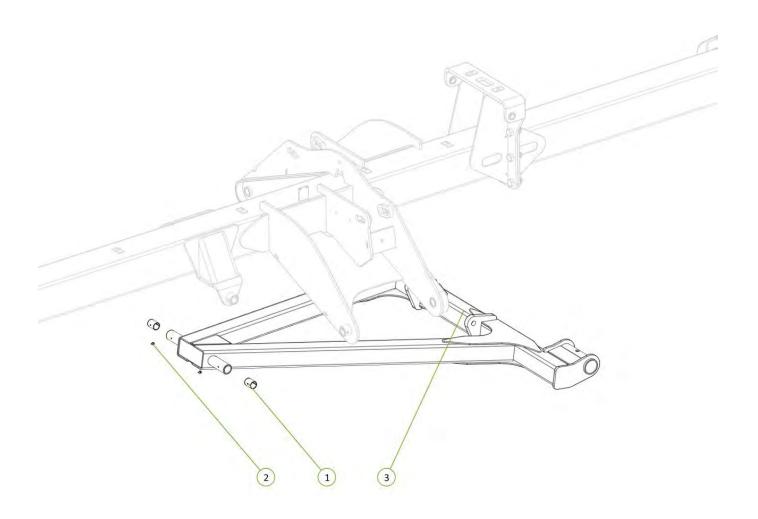


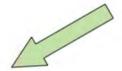




Item No.	Description	Qty	Number		
1	MB ID 35mm x 50mm DX Bush	2	0113-MB 3550DX		
2	Grease Nipple 1/8" BSP	2	0181-GN1-8		
3	6m Wheel Arm Frame	1	1520-10		

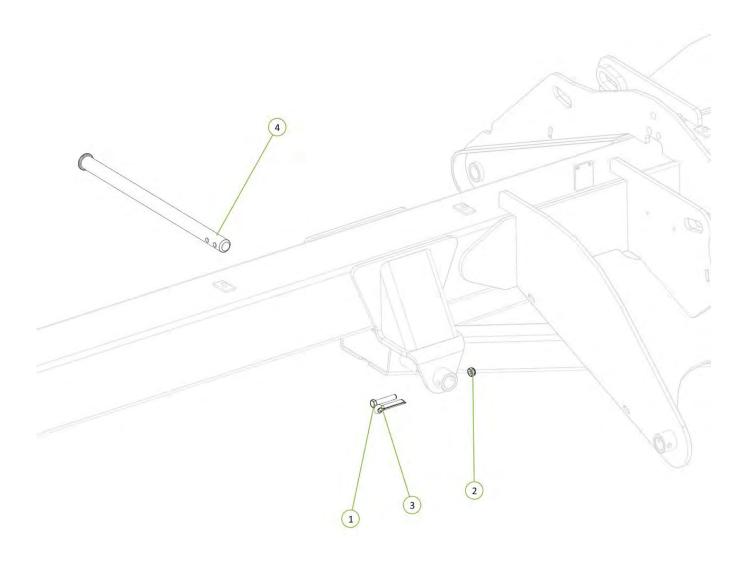
Please note the pivot bushes are pre-inserted before delivery

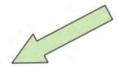




Item No.	Description	Qty	Number
1	M12 x 65 grade 8.8 ZP Bolt	1	0211-1265
2	Nyloc Nut M12	1	0221-NYL12
3	COTTER PIN M13 X 63mm	1	0261-PINC1363
4	Long Pivot Pin	1	1501-35615



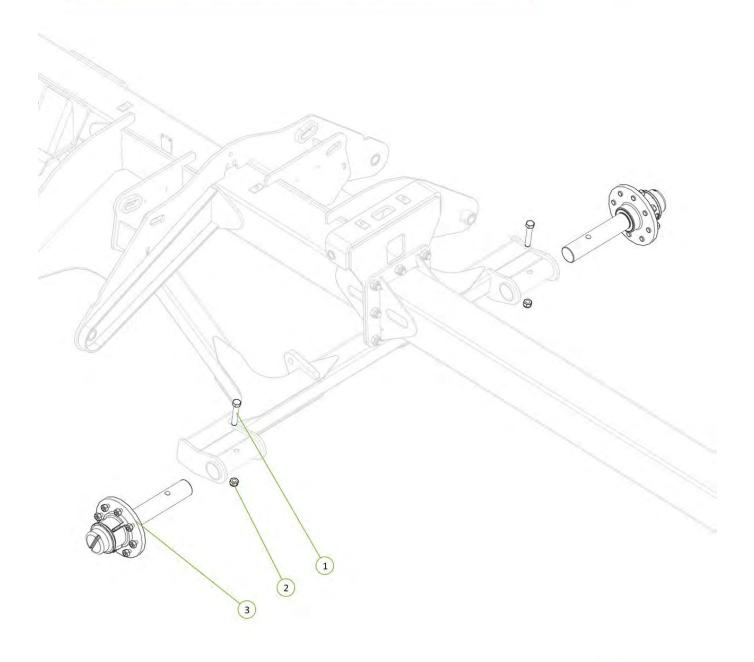




Item No.	Description	Qty	Number
1	M20 x 110 grade 8.8 ZP Bolt	2	0211-20110
2	Nyloc Nut M20	2	0221-NYL20
3	2.75"R C/W 6 tonne 8 on 8" PCD Complete Assembly	2	0733-SH27596880

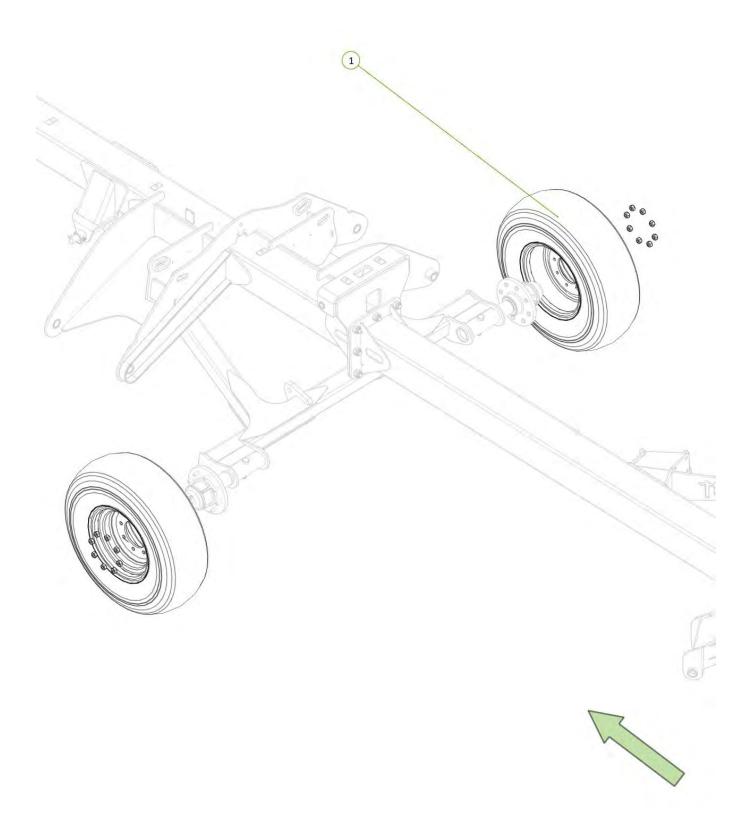


Please note this view is for Australian/USA models, European models require a braked axle



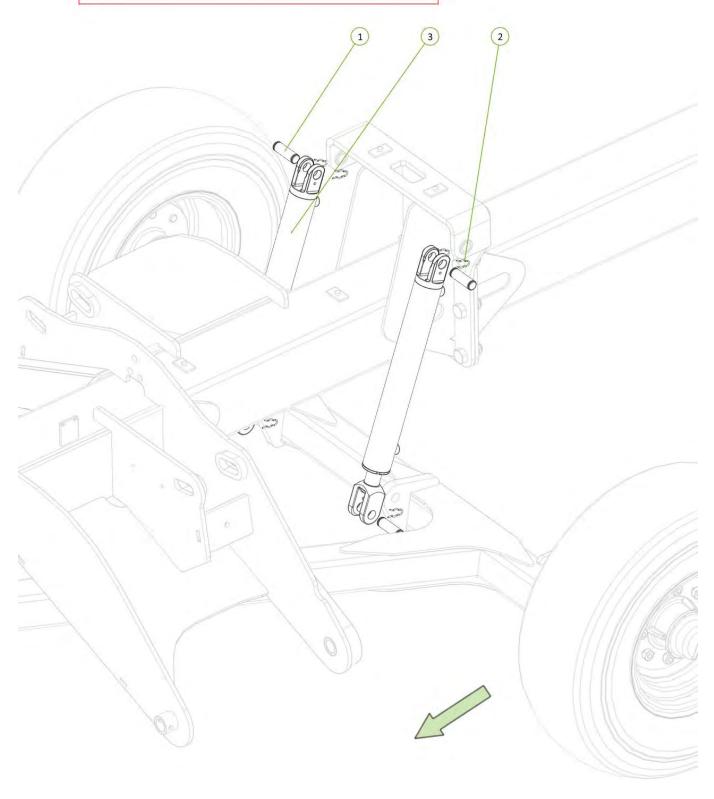


Item N	Description	Qty	Number
1	11.5/80-15.3 tyre, 9" rim 0 offset, 8 on 8" studs, 162 cntr	2	0711-11.5-80-15.3



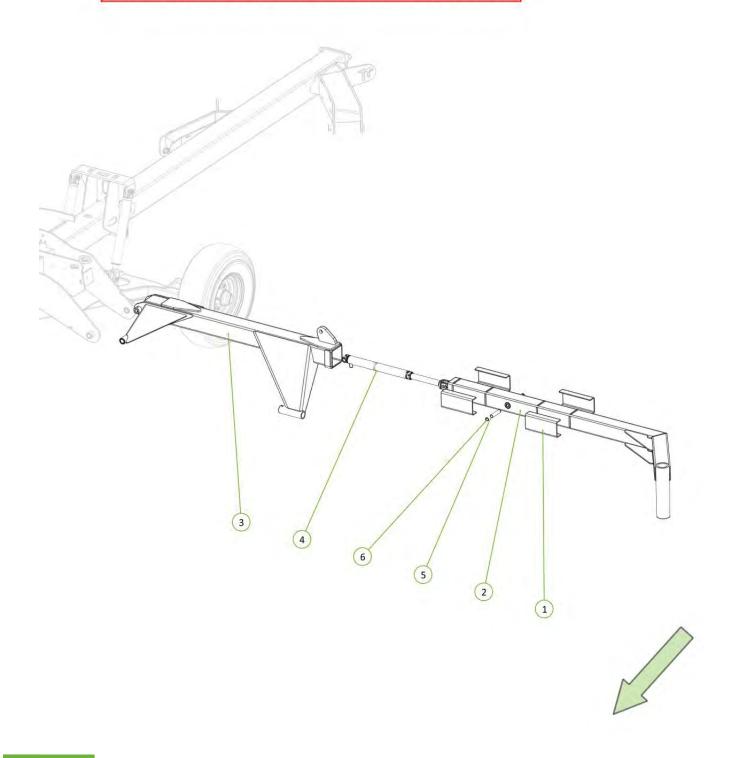
Item No.	Description	Qty	Number
1	Nordon 1" x 80mm Cylinder Pin	4	0313-N1
2	Nordon 1" Cylinder Pin Clip	8	0313-N1C
3	2.5" Bore x 16" Stroke Hydraulic Cylinder	2	0311-2516

Please ensure cylinders are installed with ports facing rear of machine



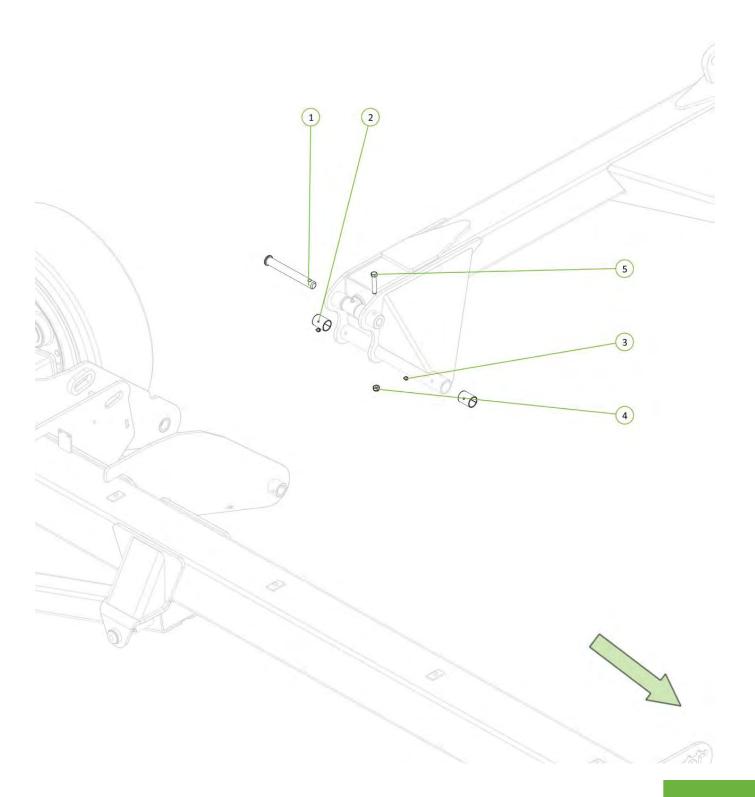
Item No.	Description	Qty	Number
1	Slide Guide Pad	4	1501-SGP2
2	6m Outer Wing Frame	1	1520-06
3	6m Inner Wing Frame	1	1520-04
4	2" Bore x 20" Stroke 1.75" Rod Single Acting Displacement Cylinder	1	0311-220SADC
5	Wing Tension Pin 2	1	1501-25118
6	CIRCLIP Internal 26mm	2	0171-26

Please note that the Outer Wing is pre-installed in the Inner Wing before delivery



Item No.	Description	Qty	Number
1	Wing Tension Pin	1	1501-25214
2	MB ID 35mm x 50mm DX Bush	2	0113-MB 3550DX
3	Grease Nipple 1/8" BSP	2	0181-GN1-8
4	Nyloc Nut M12	1	0221-NYL12
5	M12 x 70 grade 8.8 ZP Bolt	1	0211-1270

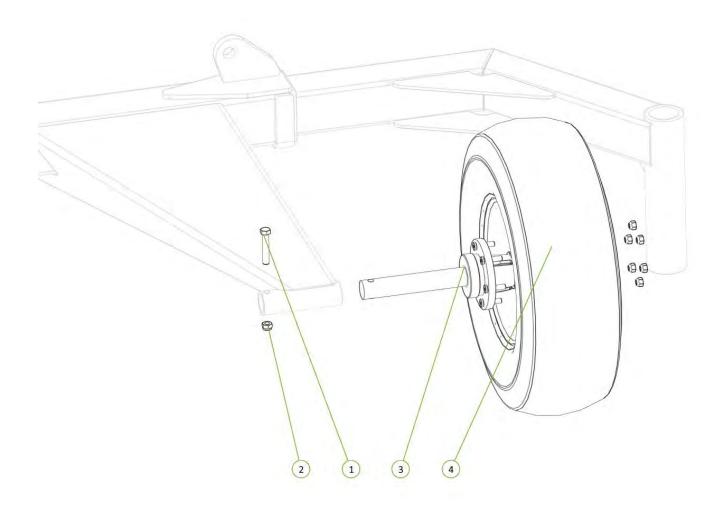


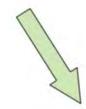


1 M12 x 65 grade 8.8 ZP Bolt 1 0211-1265 2 Nyloc Nut M12 1 0221-NYL13 3 COTTER PIN M13 X 63mm 1 0261-PIN C1	1 M12 x 65 grade 8.8 ZP Bolt 1 0211-1265 2 Nyloc Nut M12 1 0221-NYL12
2 Nyloc Nut M12 1 0221-NYL13 3 COTTER PIN M13 X 63mm 1 0261-PINC1	2 Nyloc Nut M12 1 0221-NYL12 3 COTTER PIN M13 X 63mm 1 0261-PINC1363 4 Long Pivot Pin 1 1501-35615
3 COTTER PIN M13 X 63mm 1 0261-PINC1	3 COTTER PIN M13 X 63mm 1 0261-PINC1363 4 Long Pivot Pin 1 1501-35615
	4 Long Pivot Pin 1 1501-35615
Llong Divot Din	
4 Long Fivot Fill 1 1501-35615	
4	

Item No.	Description	Qty	Number
1	M16 x 90 grade 8.8 zp Bolt	1	0211-1690
2	Nyloc Nut M16	1	0221-NYL16
3	Axle 2"R 3T 6 on 6"PCD 330 OHF Complete Assembly	1	0733-K5083T66S
4	11L15F3 tyre On Rim	1	0721-15X8

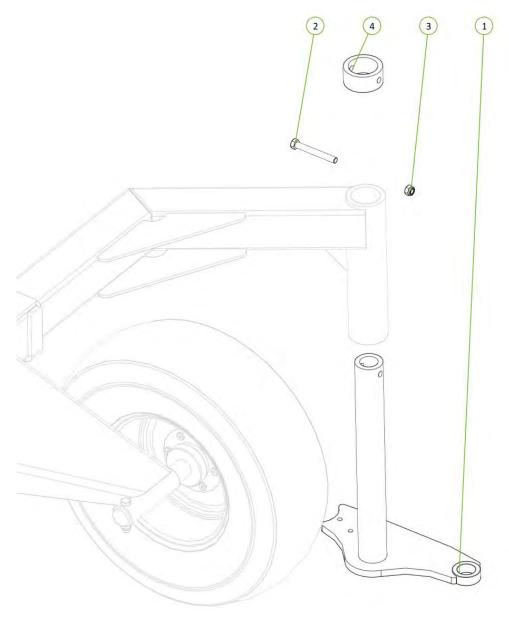


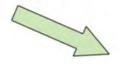




Item No.	Description	Qty	Number
1	LH Drop Leg	1	1510-25
2	M16 x 130 grade 8.8 zp Bolt	1	0211-16130
3	Nyloc Nut M16	1	0221-NYL16
4	Drop Leg Retaining Bush	1	1501-26

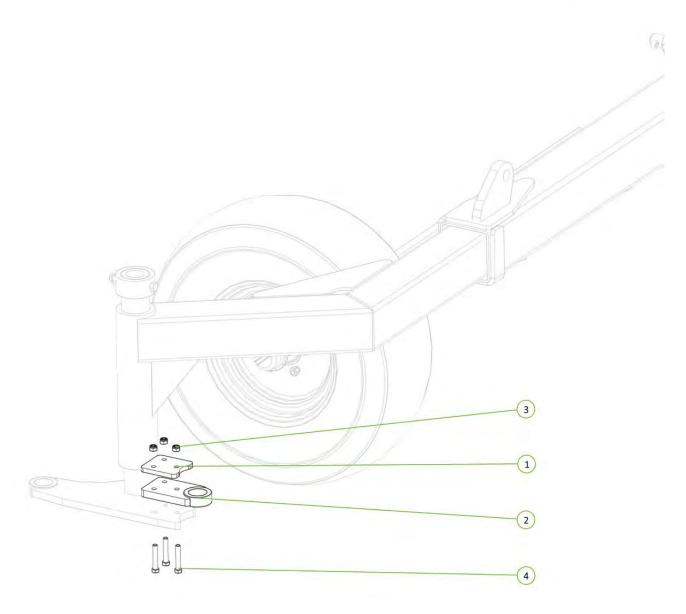


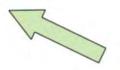




Item No.	Description	Qty	Number
1	Drop Leg Spacer Plate	1	1500-095
2	Drop Leg Bush Housing	1	1510-23
3	Nyloc Nut M12	3	0221-NYL12
4	M12 x 70 grade 8.8 ZP Bolt	3	0211-1270

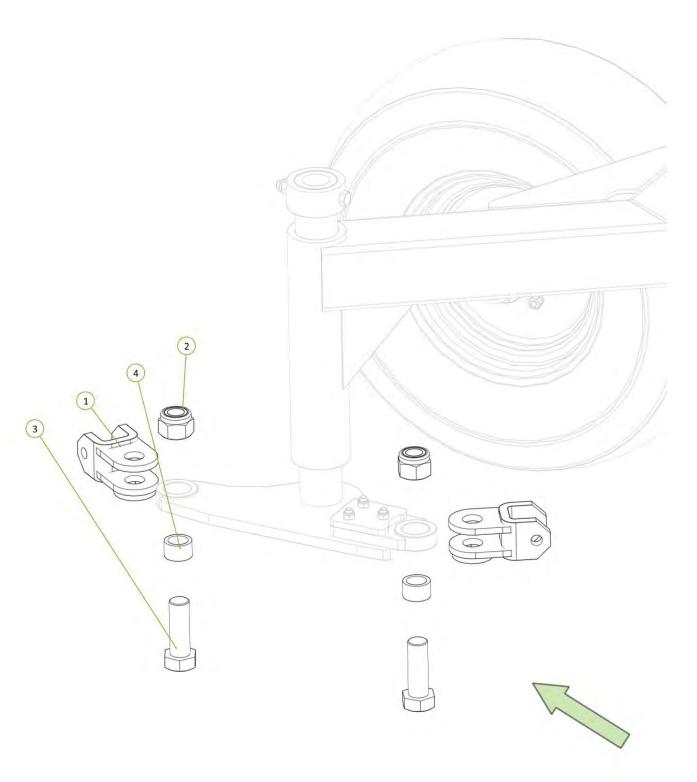






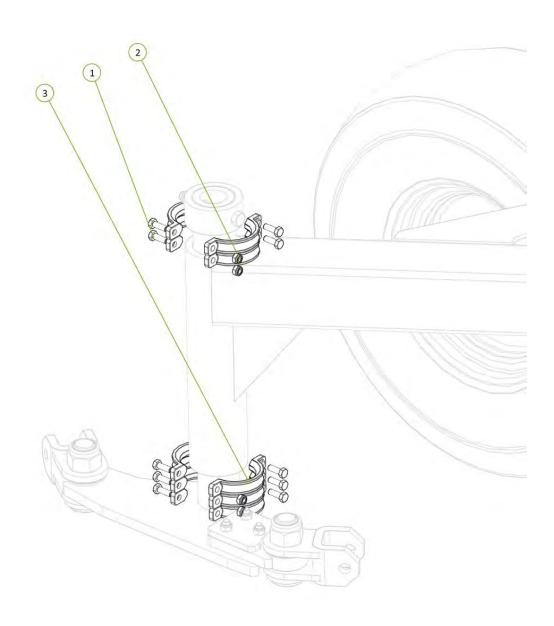
Item No.	Description	Qty	Number
1	21mm Welded Bolt on Clevis	2	0810-KE53
2	Nyloc Nut M36	2	0221-NYL36
3	M36 x 105 grade 8.8 ZP Bolt	2	0211-36105
4	Wear Bush	2	1501-365033-SS





Item No.	Description	Qty	Number
1	M10 x 30 grade 8.8 ZP Bolt	10	0211-1030
2	Nyloc Nut M10	10	0221-NYL10
3	25mm Drop Leg Spacer Half	10	0801-CS25

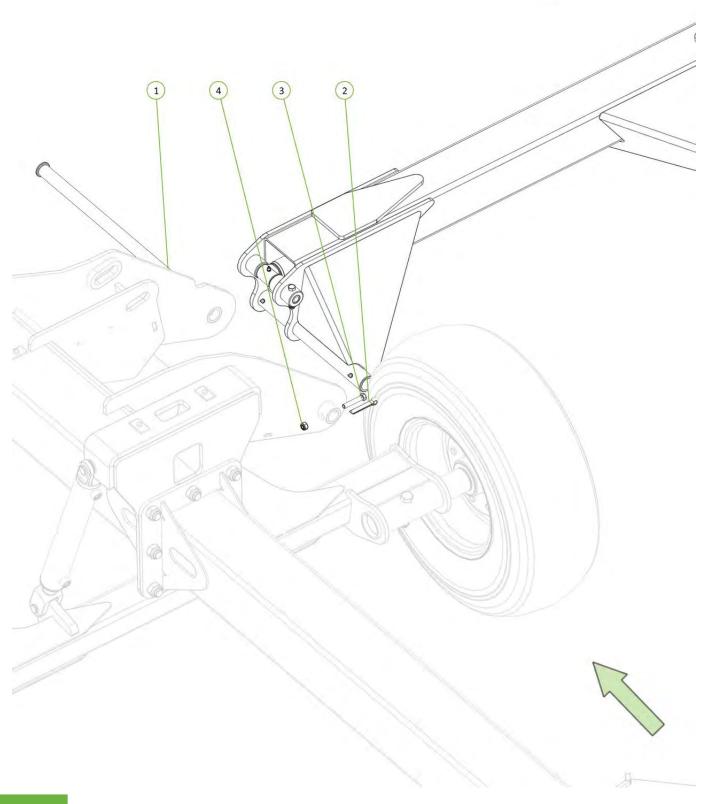






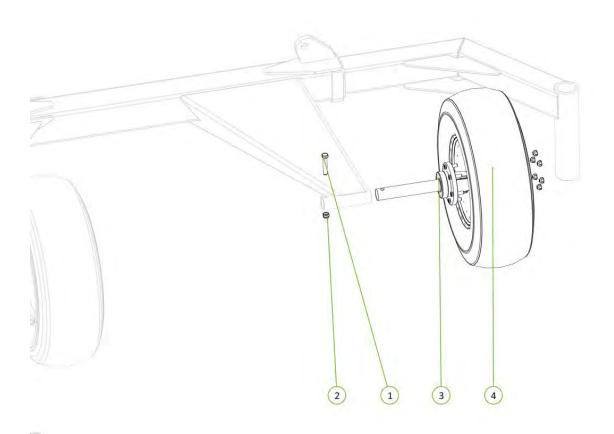
Item No.	Description	Qty	Number
1	Long Pivot Pin	1	1501-35615
2	COTTER PIN M13 X 63mm	1	0261-PINC1363
3	M12 x 65 grade 8.8 ZP Bolt	1	0211-1265
4	Nyloc Nut M12	1	0221-NYL12





Item No.	Description	Qty	Number
1	M16 x 90 grade 8.8 zp Bolt	1	0211-1690
2	Nyloc Nut M16	1	0221-NYL16
3	Axle 2"R 3T 6 on 6"PCD 330 OHF Complete Assembly	1	0732-K5083TS
4	Rim Only 15" Diameter 8" Wide, 6 on 6" PCD, 118mm Bore, +30 Offset	1	0721-15X8

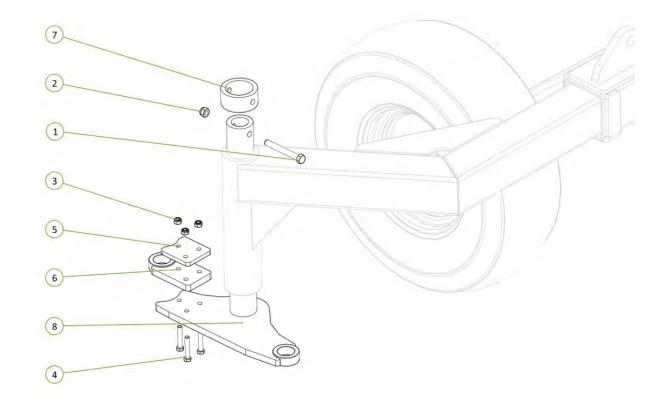


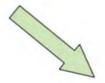




Item No.	Description	Qty	Number
1	M16 x 130 grade 8.8 zp Bolt	1	0211-16130
2	Nyloc Nut M16	1	0221-NYL16
3	Nyloc Nut M12	3	0221-NYL12
4	M12 x 70 grade 8.8 ZP Bolt	3	0211-1270
5	Drop Leg Spacer Plate	1	1500-095
6	Drop Leg Bush Housing	1	1510-23
7	Drop Leg Retaining Bush	1	1501-26
8	RH Drop Leg	1	1510-24

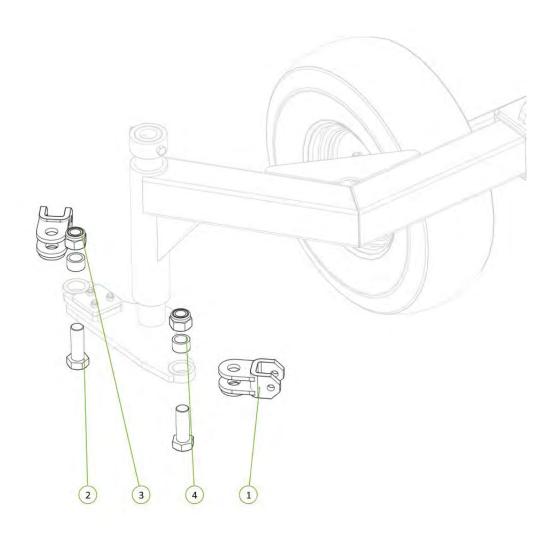






Item No.	Description	Qty	Number
1	21mm Welded Bolt on Clevis	2	0810-KE53
2	M36 x 105 grade 8.8 ZP Bolt	2	0211-36105
3	Nyloc Nut M36	2	0221-NYL36
4	Wear Bush	2	1501-365033-SS

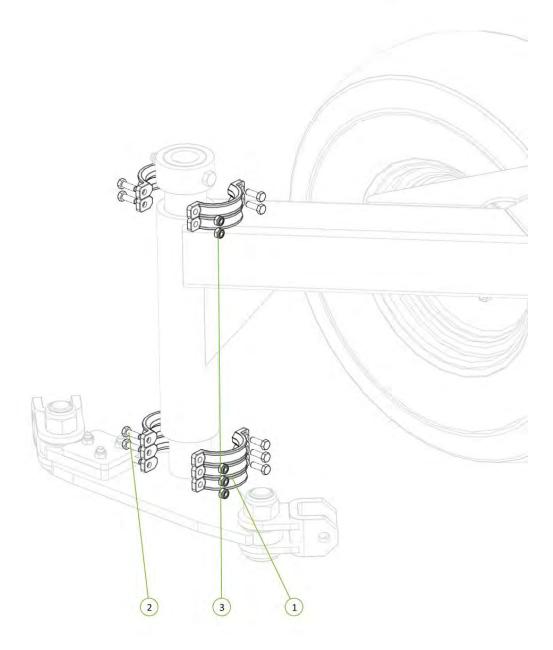




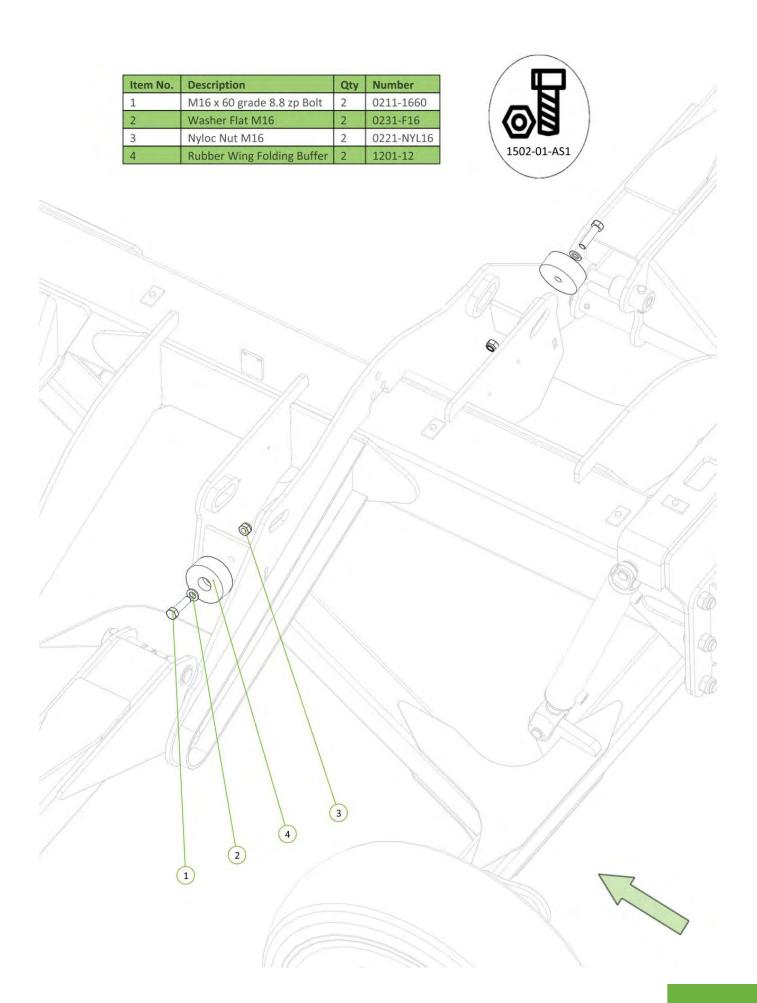


Item No.	Description	Qty	Number
1	25mm Drop Leg Spacer Half	10	0801-CS25
2	M10 x 30 grade 8.8 ZP Bolt	10	0211-1030
3	Nyloc Nut M10	10	0221-NYL10



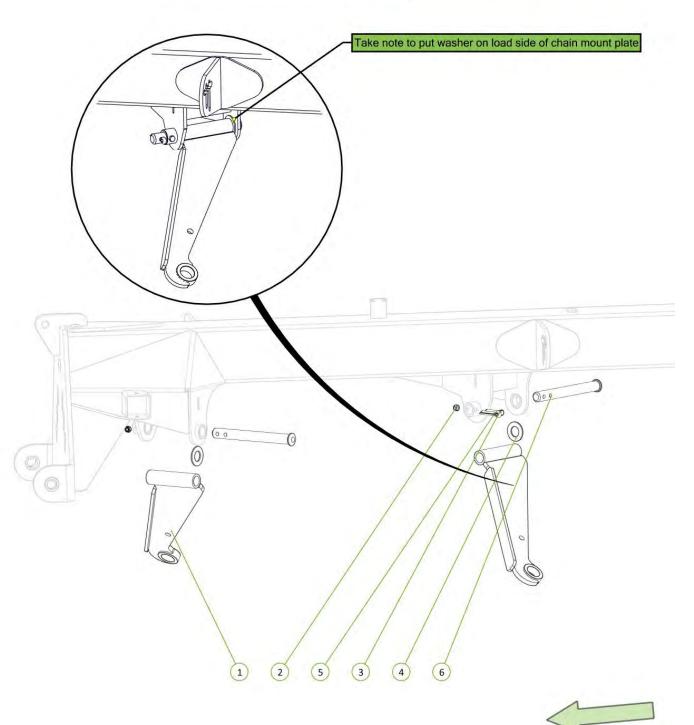






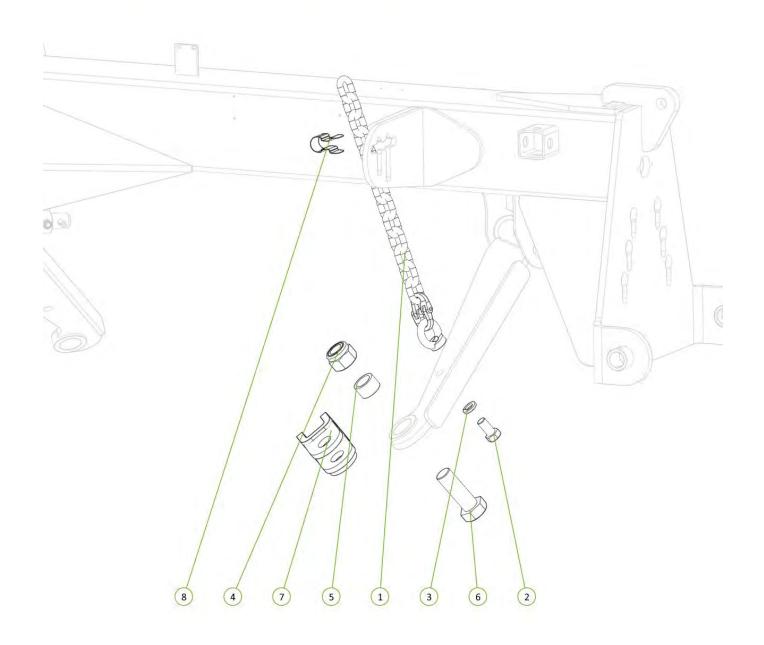
Item No.	Description	Qty	Number
1	Chain Mount Plate	2	1510-20
2	Nyloc Nut M12	2	0221-NYL12
3	M12 x 65 grade 8.8 ZP Bolt	2	0211-1265
4	Washer High Tensile 1 3/8"	2	0232-HT13-8
5	Cotter Pin M13 X 63mm	2	0261-PINC1363
6	Short Pivot Pin	2	1501-35330





Item No.	Description	Qty	Number
1	M20 x 13mm Chain Assembly 13 Link	1	0801-20MCA
2	M20 x 50 grade 8.8 ZP Bolt	1	0211-2040
3	M20 Spring Washer	1	0231-S20
4	Nyloc Nut M36	1	0221-NYL36
5	Wear Bush	1	1501-365033-SS
6	M36 x 105 grade 8.8 ZP Bolt	1	0211-36105
7	21mm Welded Bolt on Clevis	1	0810-KE53
8	Height Adjustor Retaining Clip	1	0801-KE014

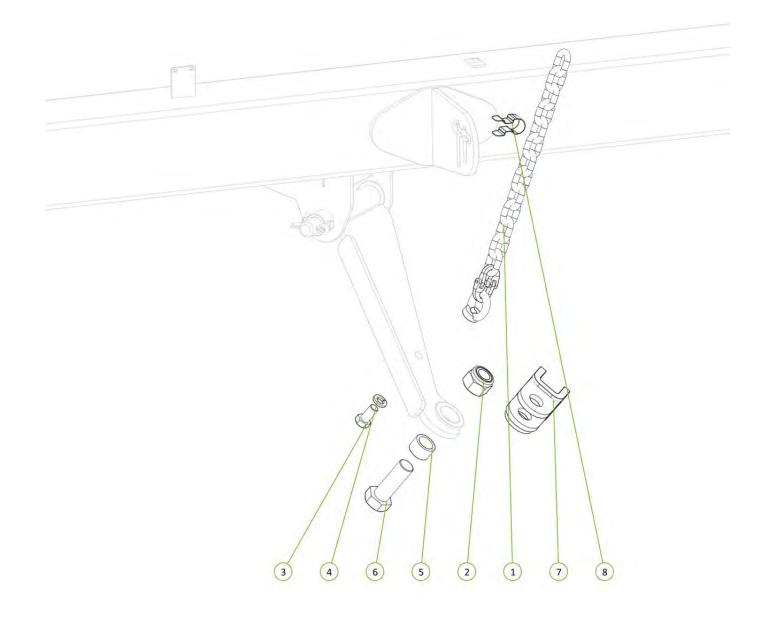


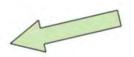




Item No.	Description	Qty	Number
1	M20 x 13mm Chain Assembly 13 Link	1	0801-20MCA
2	Nyloc Nut M36	1	0221-NYL36
3	M20 x 40 grade 8.8 ZP Bolt	1	0211-2040
4	M20 Spring Washer	1	0231-S20
5	Wear Bush	1	1501-365033-SS
6	M36 x 105 grade 8.8 ZP Bolt	1	0211-36105
7	21mm Welded Bolt on Clevis	1	0810-KE53
8	Height Adjustor Retaining Clip	1	0801-KE014

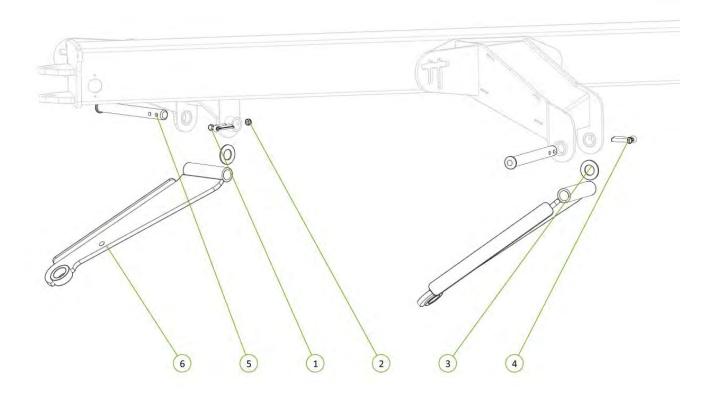


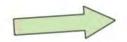




Item No.	Description	Qty	Number
1	M12 x 65 grade 8.8 ZP Bolt	2	0211-1265
2	Nyloc Nut M12	2	0221-NYL12
3	Washer High Tensile 1 3/8"	2	0232-HT13-8
4	Cotter Pin M13 X 63mm	2	0261-PINC1363
5	Short Pivot Pin	2	1501-35330
6	Chain Mount Plate	2	1510-20

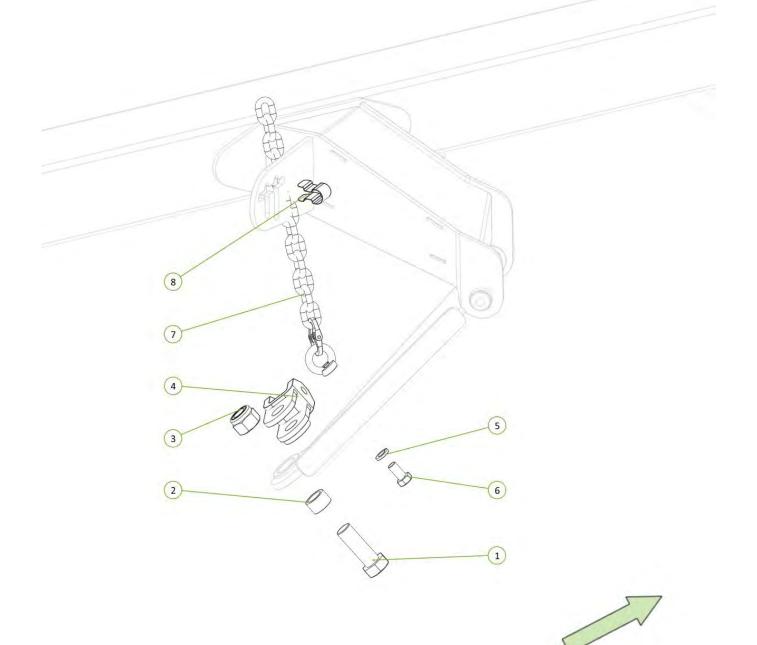


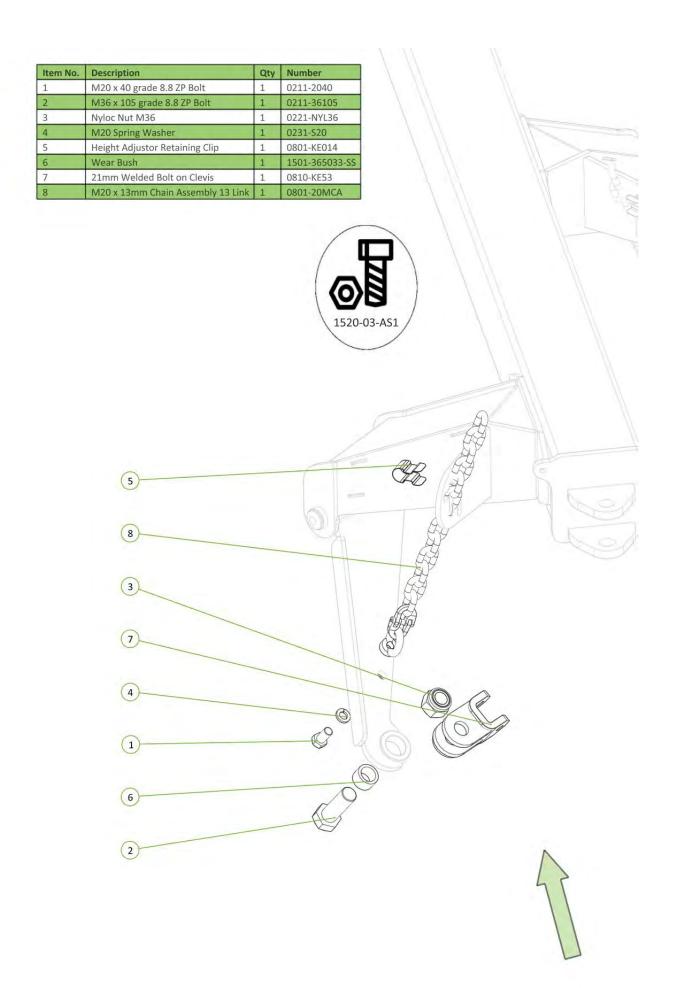




Item No.	Description	Qty	Number	
1	M36 x 105 grade 8.8 ZP Bolt	1	0211-36105	
2	Wear Bush	1	1501-365033-SS	
3	Nyloc Nut M36	1	0221-NYL36	
4	21mm Welded Bolt on Clevis	1	0810-KE53	
5	M20 Spring Washer	1	0231-S20	
6	M20 x 40 grade 8.8 ZP Bolt	1	0211-2040	
7	M20 x 13mm Chain Assembly 13 Link	1	0801-20MCA	
8	Height Adjustor Retaining Clip	1	0801-KE014	

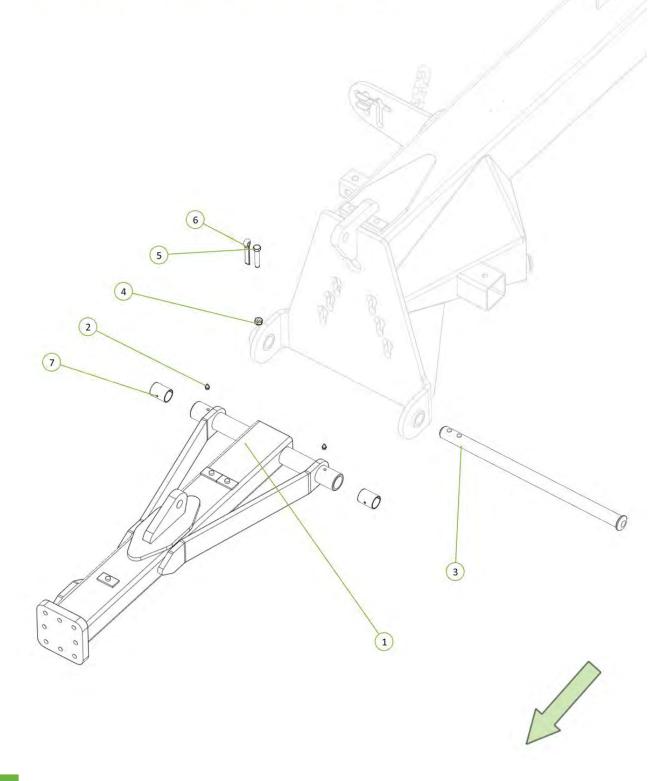






Item No.	Description	Qty	Number 1510-08		
1	Drawbar Frame	1			
2	Grease Nipple 1/8" BSP	2	0181-GN1-8		
3	Long Pivot Pin	1	1501-35615		
4	Nyloc Nut M12	1	0221-NYL12		
5	M12 x 65 grade 8.8 ZP Bolt	1	0211-1265		
6	Cotter Pin M13 X 63mm	1	0261-PINC1363		
7	MB ID 35mm x 50mm DX Bush	2	0113-MB 3550DX		

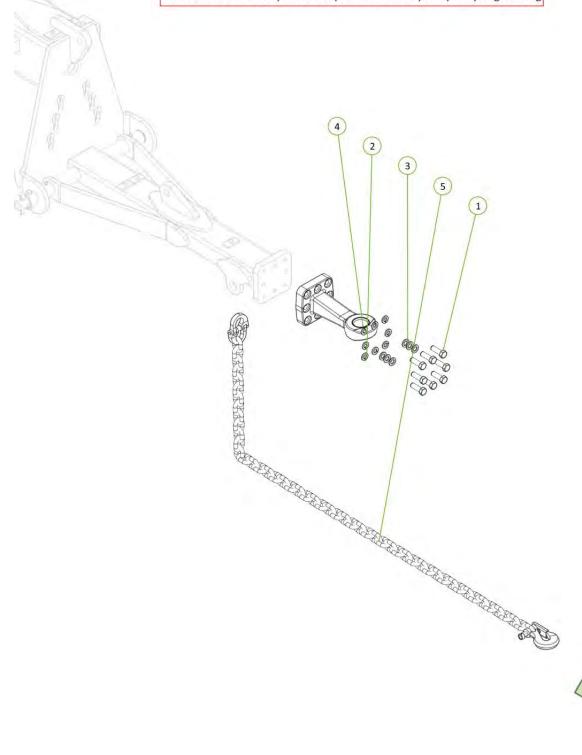


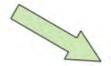


Item No.	Description	Qty	Number	
1	M16 x 50 grade 8.8 zp Bolt	8	0211-1650	
2	M16 Spring Washer	8	0231-S16	
3	Washer Flat M16	6	0231-F16	
4	Ring Coupling 50mm Eye	1	1501-RCBD50MM	
5	Safety Chain Assembly	1	0810-16	



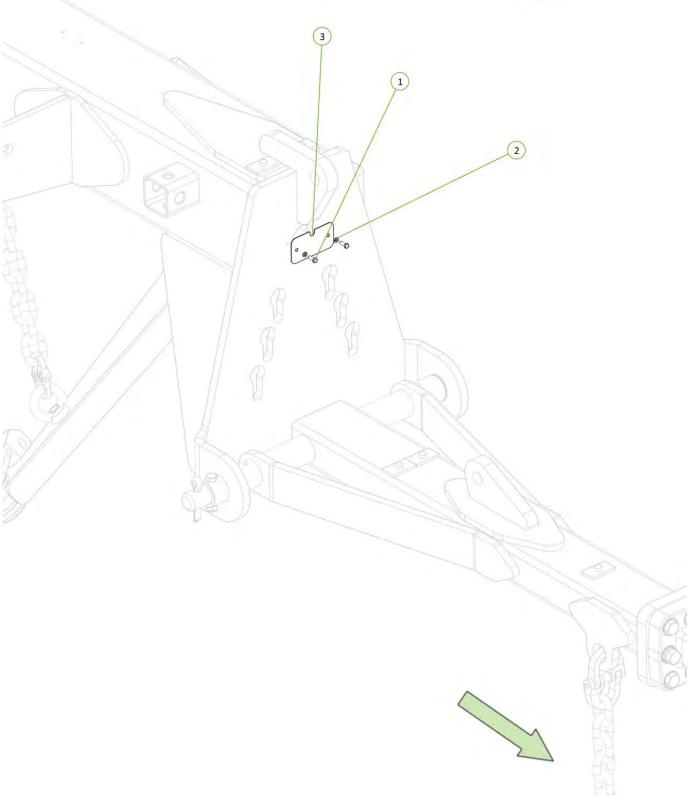
Please note the Tow Eye is already assembled for you by Kelly Engineering





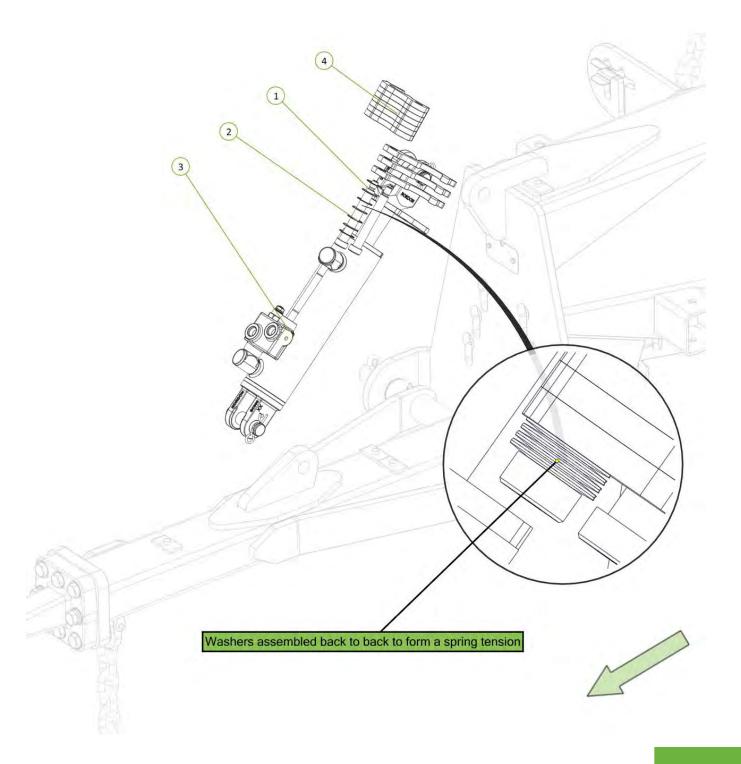
Item No.	Description	Qty	Number
1	M5 x 0.8 x 15mm Grade 4.6 ZP Bolt	2	0211-515
2	M5 Spring Washer	2	0231-S5
3	Wiring Capping Plate	1	1500-122





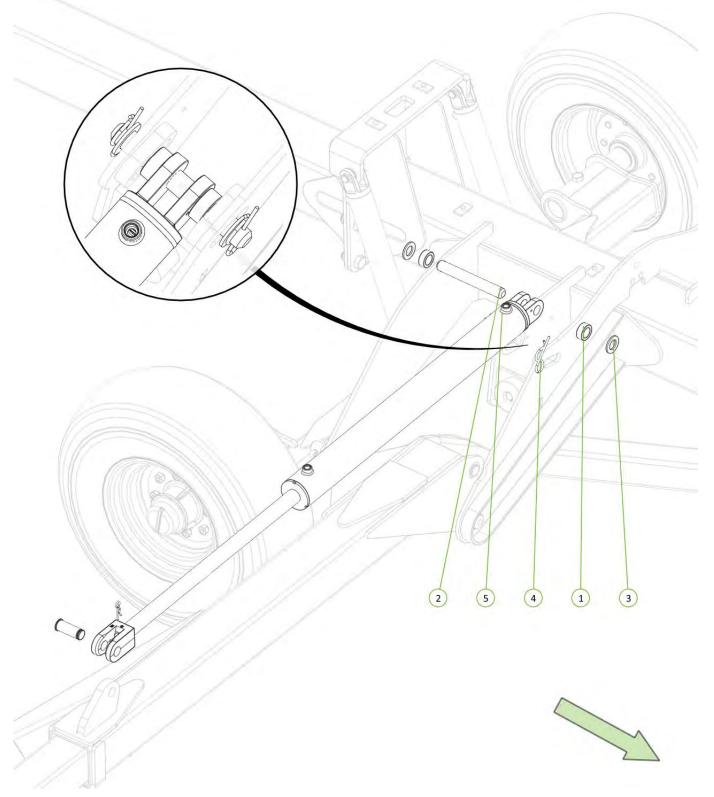
Item No.	Description	Qty	Number
1	Shoulder Screw M12*16*110 Z P	2	0211-12110SHSCREW
2	Compression Cup Washer	7	0231-SPRINGCUP
3	3" Bore x 8" Stroke 1.5" Rod with Counterbalence Valve	1	0311-38
4	Cylinder Depth Stop Plate	10	0800-278





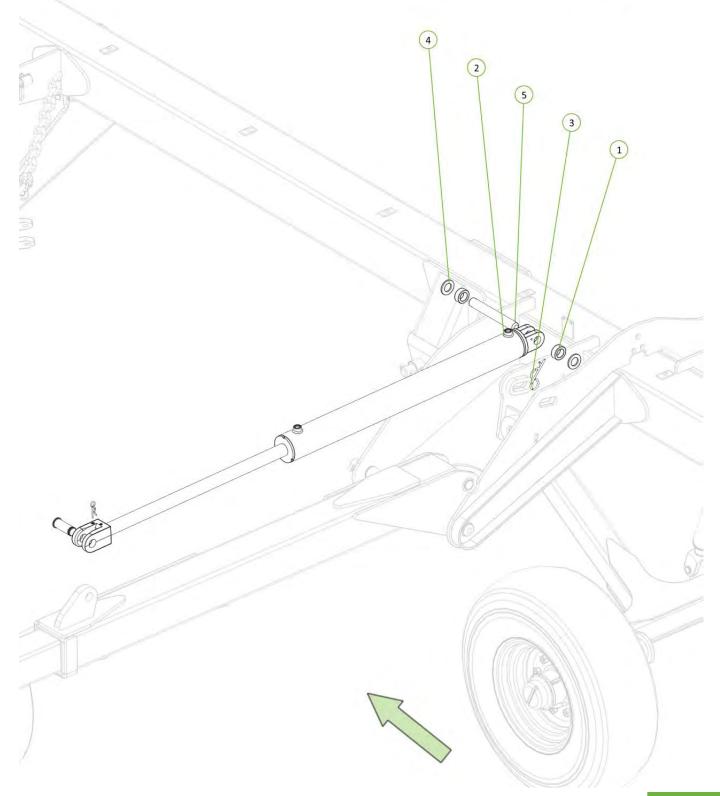
Item No.	Description	Qty	Number
1	Spacer bush	2	1501-325120
2	Cylinder Pin 1 1/4" x 245mm	1	1501-44102956
3	Washer Flat M30	2	0231-F30
4	S Locking Pin Clip 5mm	2	0801-KE012
5	3.5" Bore x 32" Stroke 1.75" Rod Cylinder	1	0313-3532ST





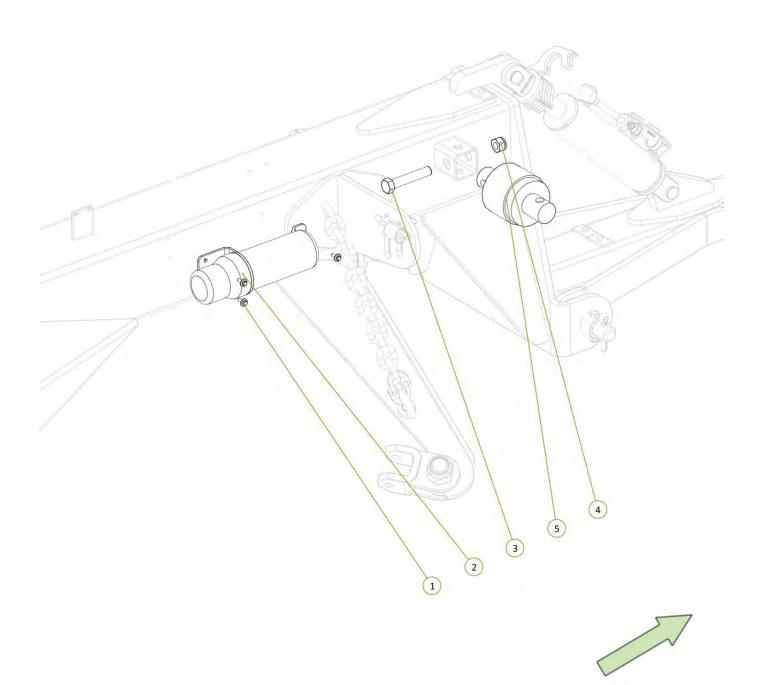
Item No.	Description	Qty	Number
1	Spacer bush	2	1501-325120
2	3.5" Bore x 32" Stroke 1.75" Rod Cylinder	1	0313-3532ST
3	S Locking Pin Clip 5mm	2	0801-KE012
4	Washer Flat M30	2	0231-F30
5	Cylinder Pin 1 1/4" x 245mm	1	1501-44102956





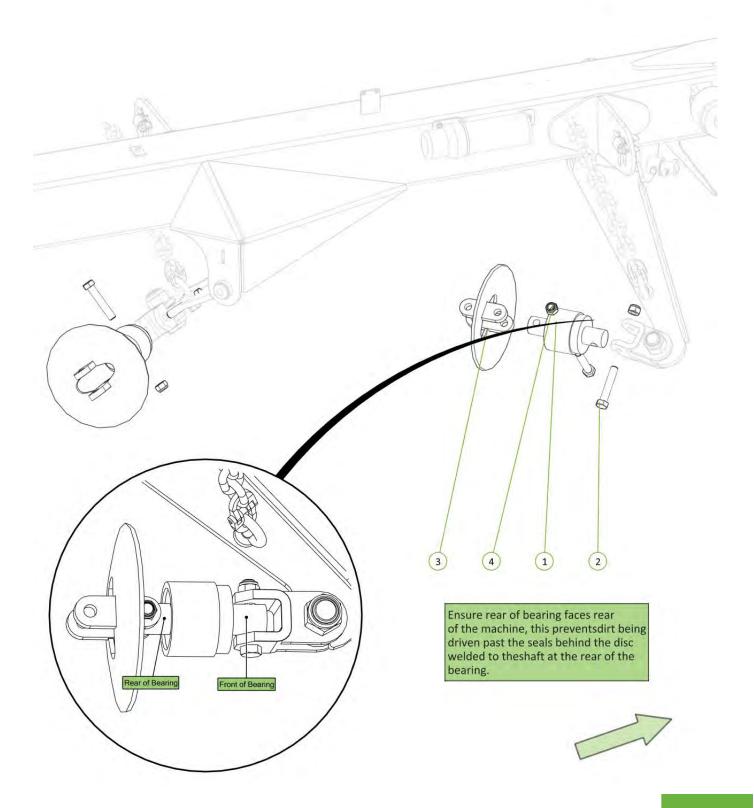
Item No.	Description	Qty	Number
1	M6 x 20mm Trilobe Screw	3	0211-M620MZPHTF
2	OPERATOR MANUAL CANNISTER	1	0801-OMC
3	M20 x 110 grade 10.9 ZP Short Thread Bolt	1	0211-20110 ST
4	Nyloc Nut M20	1	0221-NYL20
5	20mm Bolt Swivel Unit	1	0802-PCHB55





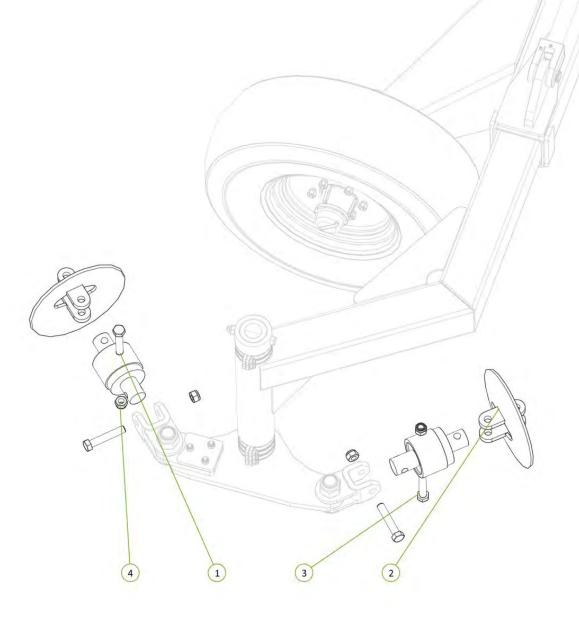
Item No.	Description	Qty	Number
1	20mm Bolt Swivel Unit	2	0802-PCHB55
2	M20 x 110 grade 10.9 ZP Short Thread Bolt	4	0211-20110 ST
3	Tie Plate Disc 20mm	2	0802-DCTP-20
4	Nyloc Nut M20	4	0221-NYL

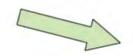


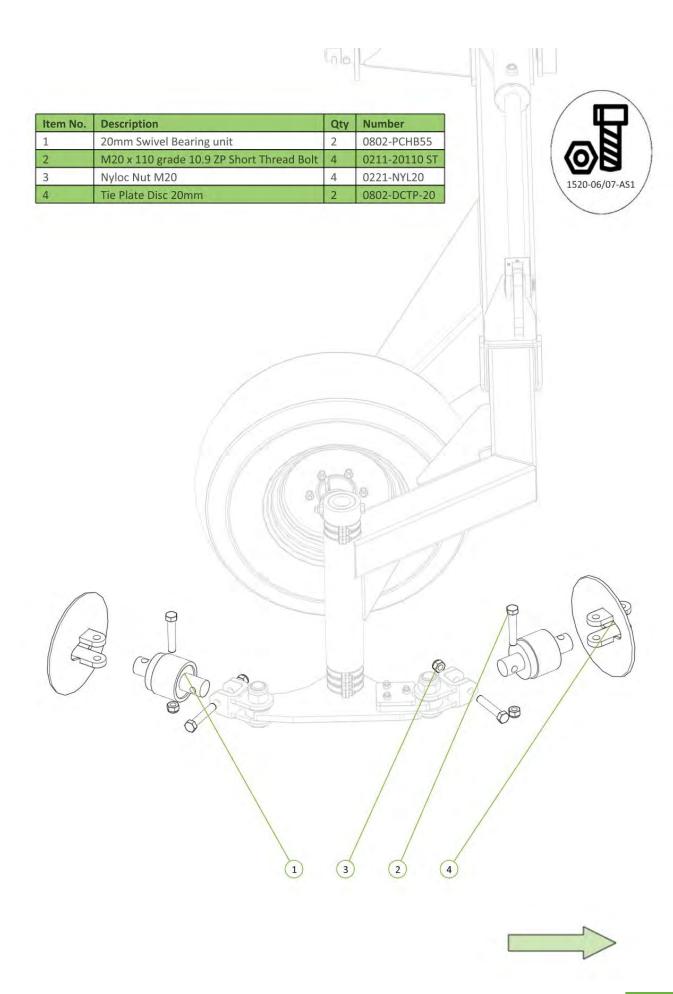


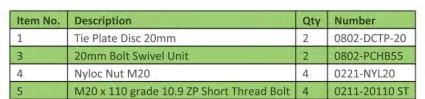
Item No.	Description	Qty	Number
1	20mm Bolt Swivel Unit	2	0802-PCHB55
2	Tie Plate Disc 20mm	2	0802-DCTP-20
3	M20 x 110 grade 10.9 ZP Short Thread Bolt	4	0211-20110 ST
4	Nyloc Nut M20	4	0221-NYL20

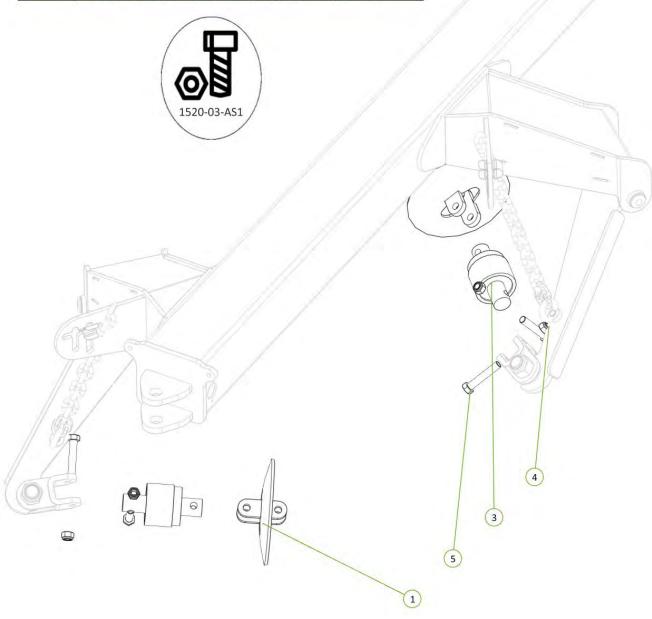






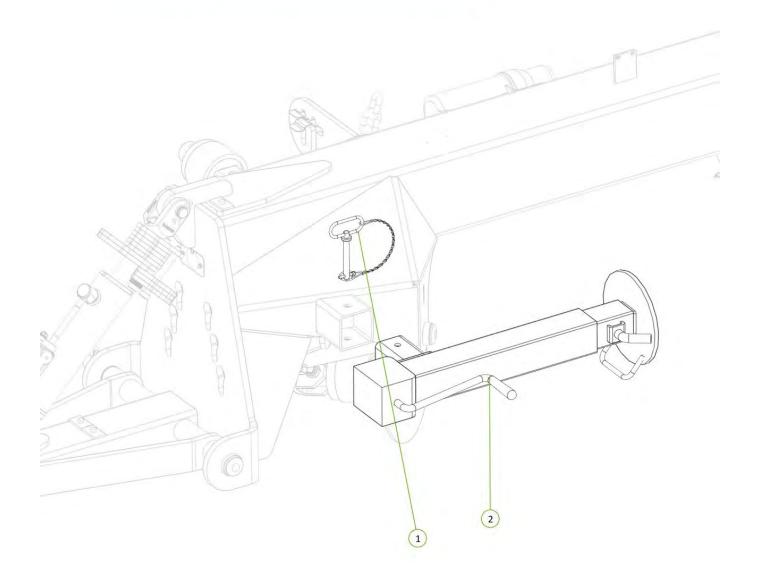


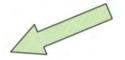






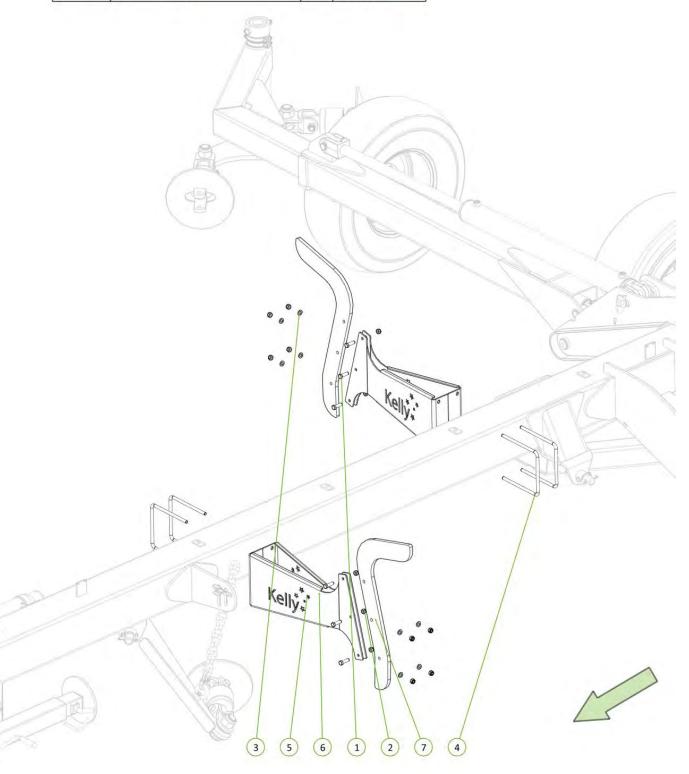
Item No.	Description	Qty	Number
1	Jack Pin	1	0801-B3077
2	3 Tonne Drop Leg Jack & Mounting assy	1	0801-JACK3T





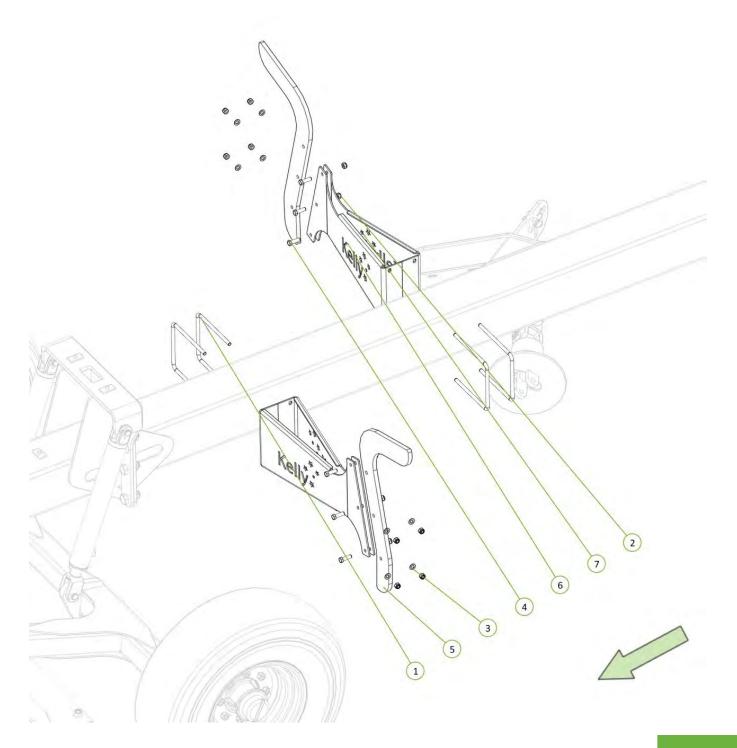
Item No.	Description	Qty	Number
1	M12 x 40 grade 8.8 ZP Bolt	6	0211-1240
2	Nyloc Nut M12	14	0221-NYL12
3	Washer Flat M12	8	0231-F12
4	U-Bolt M12 x 225 Deep x 202 Wide	4	0271-12225202
5	Chain Carrier Web LH Side	2	1500-086
6	Chain Carrier Web RH Side	2	1500-085
7	Chain Catch 6M	2	1500-084

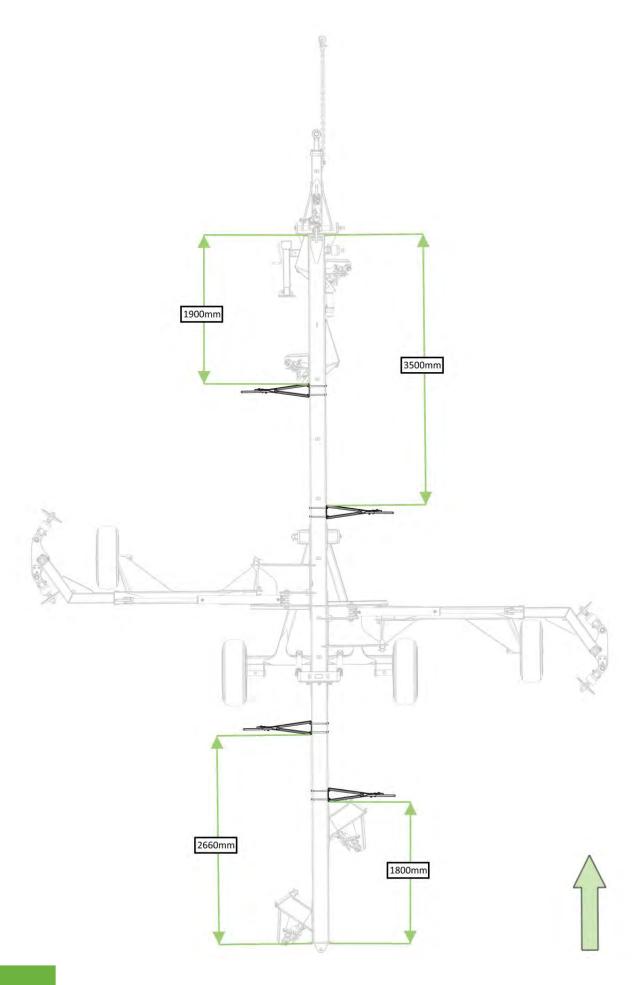




Item No.	Description	Qty	Number
1	U-Bolt M12 x 225 Deep x 202 Wide	4	0271-12225202
2	Nyloc Nut M12	14	0221-NYL12
3	Washer Flat M12	8	0231-F12
4	M12 x 40 grade 8.8 ZP Bolt	6	0211-1240
5	Chain Catch 6M	2	1500-084
6	Chain Carrier Web RH Side	2	1500-085
7	Chain Carrier Web LH Side	2	1500-086

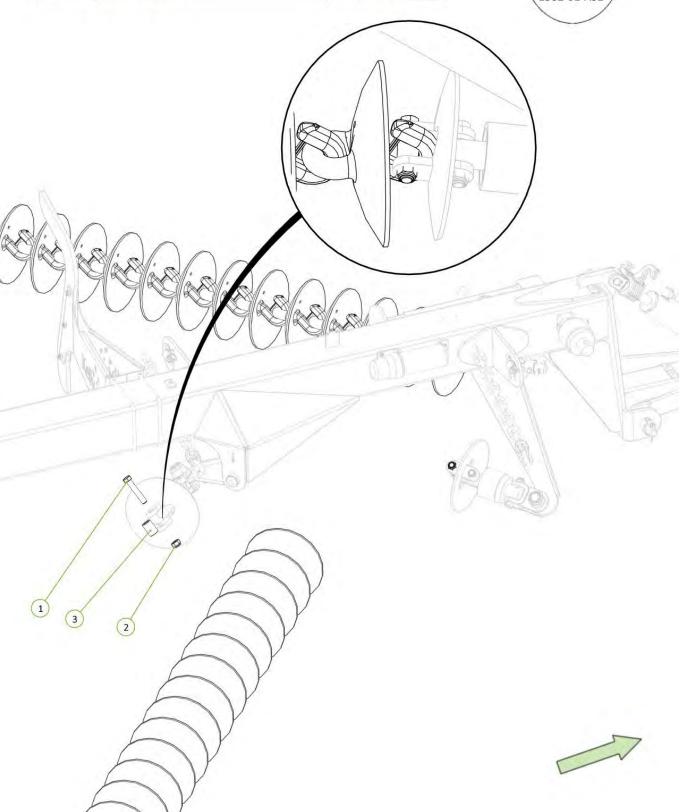


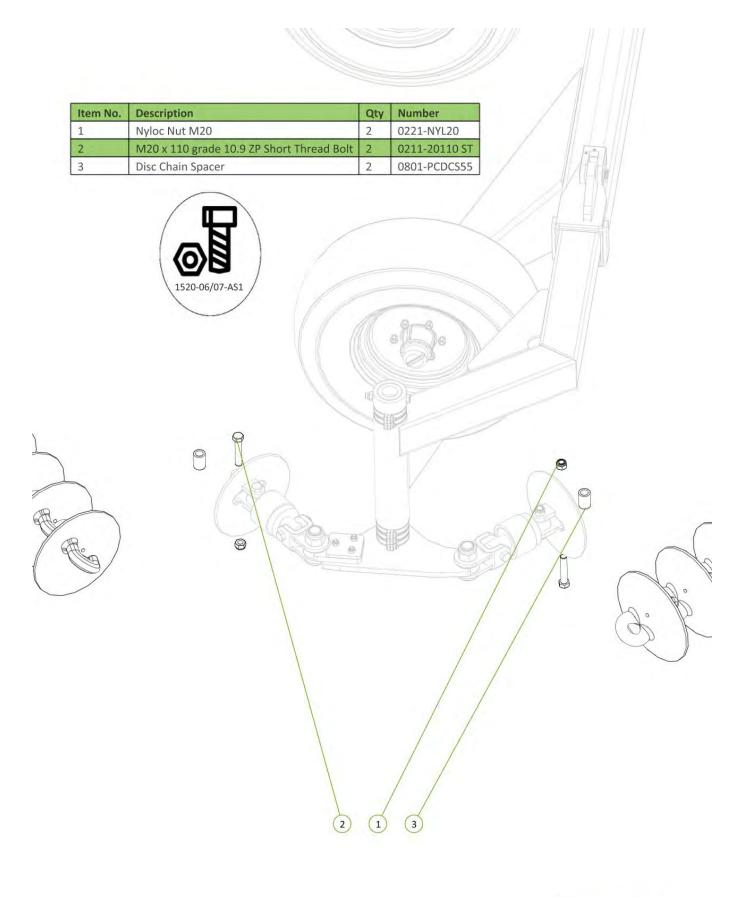




Item No.	Description	Qty	Number
1	M20 x 110 grade 10.9 ZP Short Thread Bolt	2	0211-20110 ST
2	Nyloc Nut M20	2	0221-NYL20
3	Disc Chain Spacer	2	0801-PCDCS55



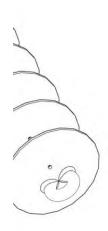


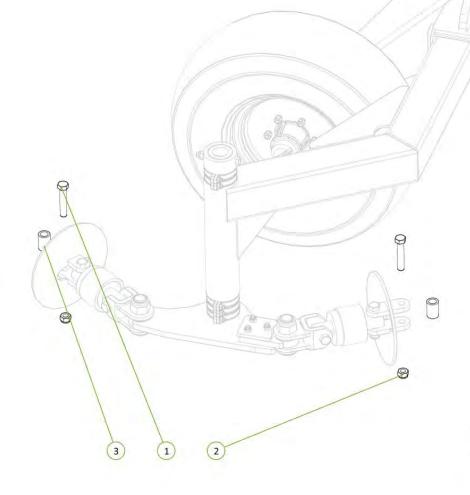


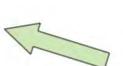


Item No.	Description	Qty	Number
1	M20 x 110 grade 10.9 ZP Short Thread Bolt	2	0211-20110 ST
2	Nyloc Nut M20	2	0221-NYL20
3	Disc Chain Spacer	2	0801-PCDCS55



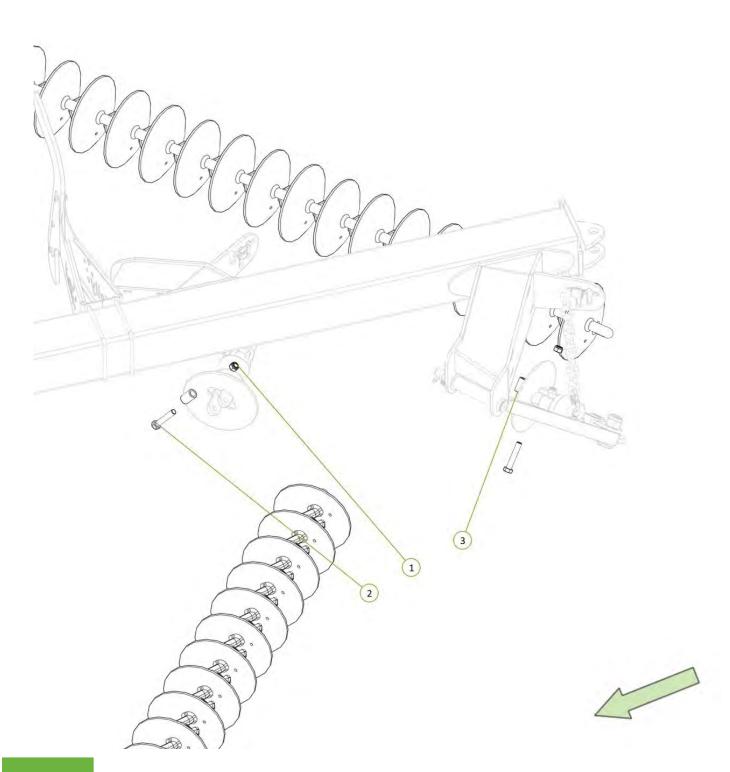




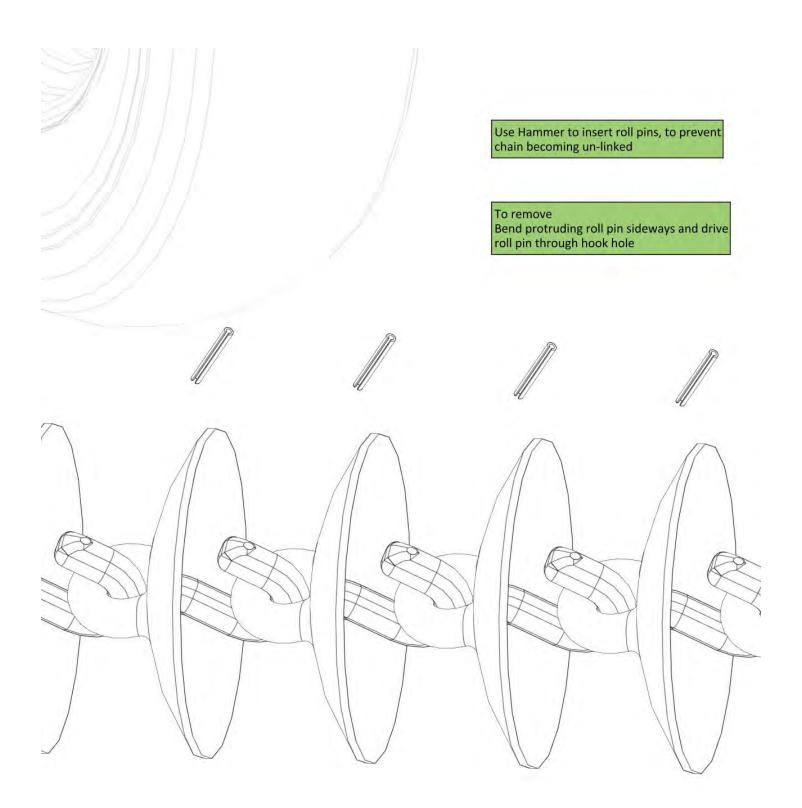


Item No.	Description	Qty	Number
1	Nyloc Nut M20	2	0221-NYL20
2	M20 x 110 grade 10.9 ZP Short Thread Bolt	2	0211-20110 ST
3	Disc Chain Spacer	2	0801-PCDCS55

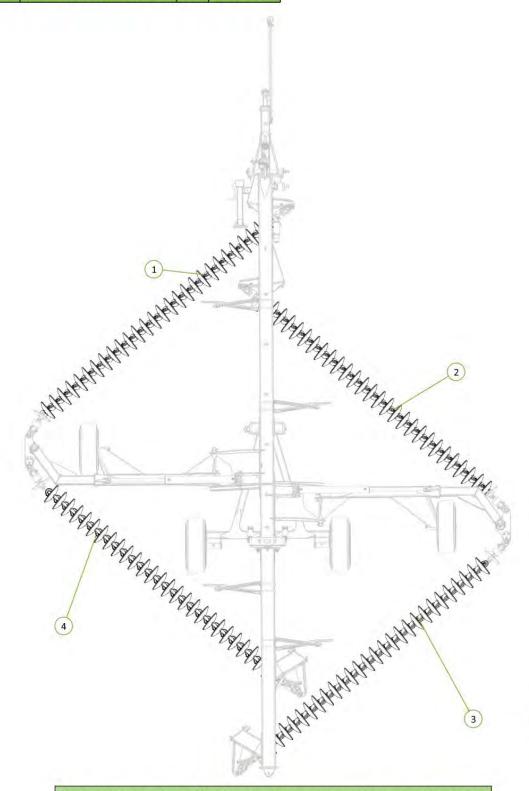




No.	Description	Qty	Number
	CL1-B Cast Disc Links	26	0803-CL1
	CL1-B Cast Disc Links	27	0803-CL1
	CL1-B Cast Disc Links	27	0803-CL1
1	CL1-B Cast Disc Links	28	0803-CL1
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Item No.	Description	Qty	Number
1	Roll Pin Zinc Plated 3/8" x 3"	27	0262-3-8X3
2	Roll Pin Zinc Plated 3/8" x 3"	27	0262-3-8X3
3	Roll Pin Zinc Plated 3/8" x 3"	27	0262-3-8X3
4	Roll Pin Zinc Plated 3/8" x 3"	28	0262-3-8X3

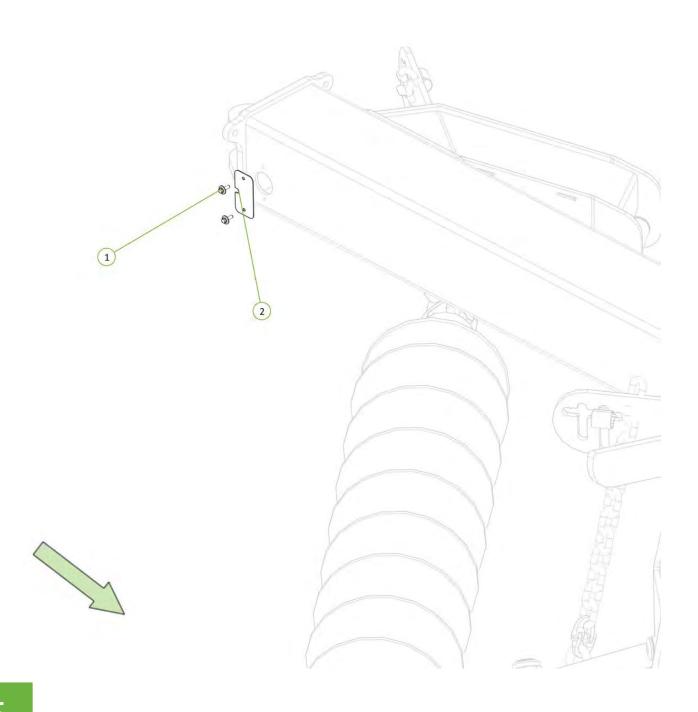


Chain lengths are only a guide, after first use we recommend you retension the chain and take out links accordingly.

Item No.	Description	Qty	Number
1	M6 x 20mm Trilobe Screw	2	0211-M620MZPHTF
2	Wiring Capping Plate	1	1500-122



On machines with lights, leave wiring capping plate loose until wiring is fed through main frame.

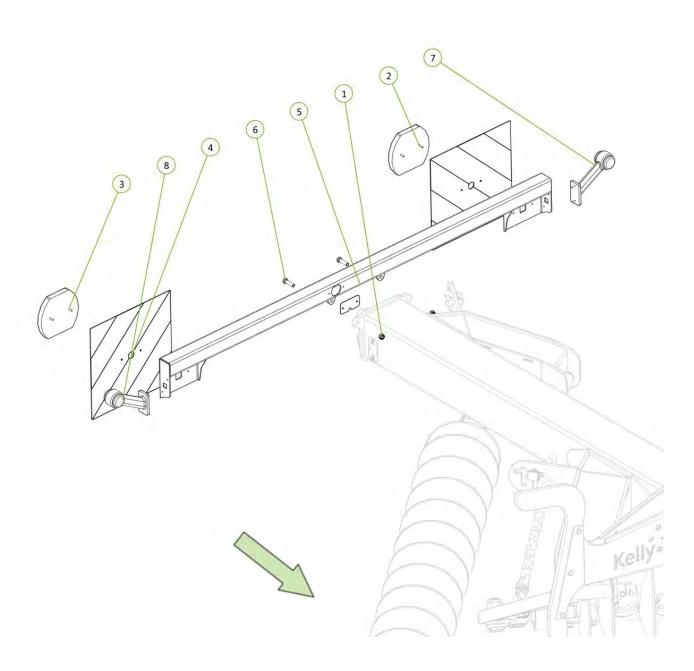


Item No.	Description	Qty	Number
1	Nyloc Nut M12	2	0221-NYL12
2	LED Combination Tail Light Left	1	0412-EU195L
3	LED Combination Tail Light Right	1	0412-EU195R
4	EU Oversize sign 6m rear	2	1501-EUOS
5	Sign and Light Bar	1	1510-27
6	M12 x 45 grade 8.8 ZP Bolt	2	0211-1245
7	Rubber Side Marker Lamp	1	0412-1004L
8	Rubber Side Marker Lamp	1	0412-1004R



Lights are only required for some countries, please adhere to your local standards in regards to lighting and signage.

On machines with lights, leave wiring capping loose until wiring is fed through main frame.

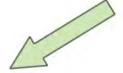


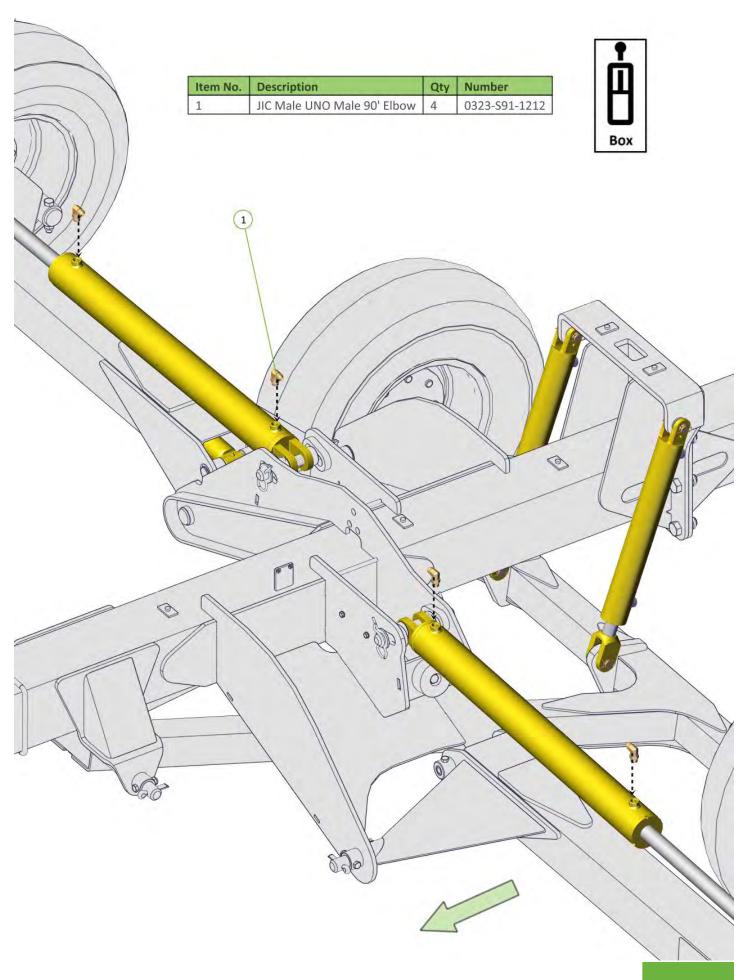
Section 3 Hydraulics

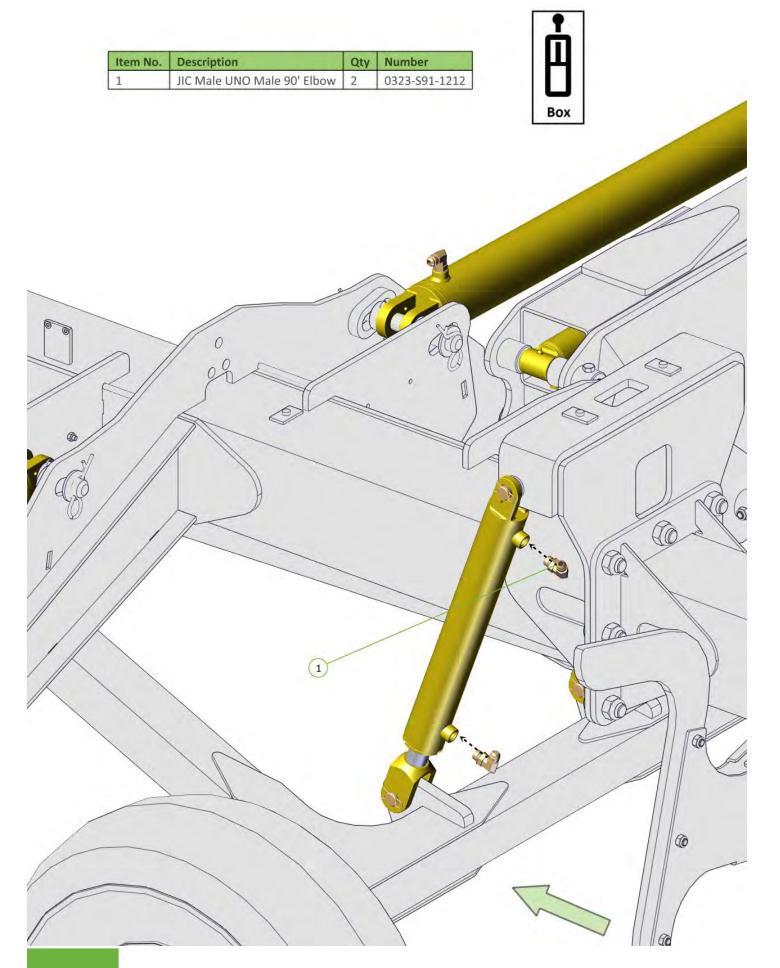
Please Note -

The black hose/s identifies the current assembly step

Item No.	Description	Qty	Number		Щ	
1	JICM UNOM NIPPLE	2	0323-S90-1212	J	L L	
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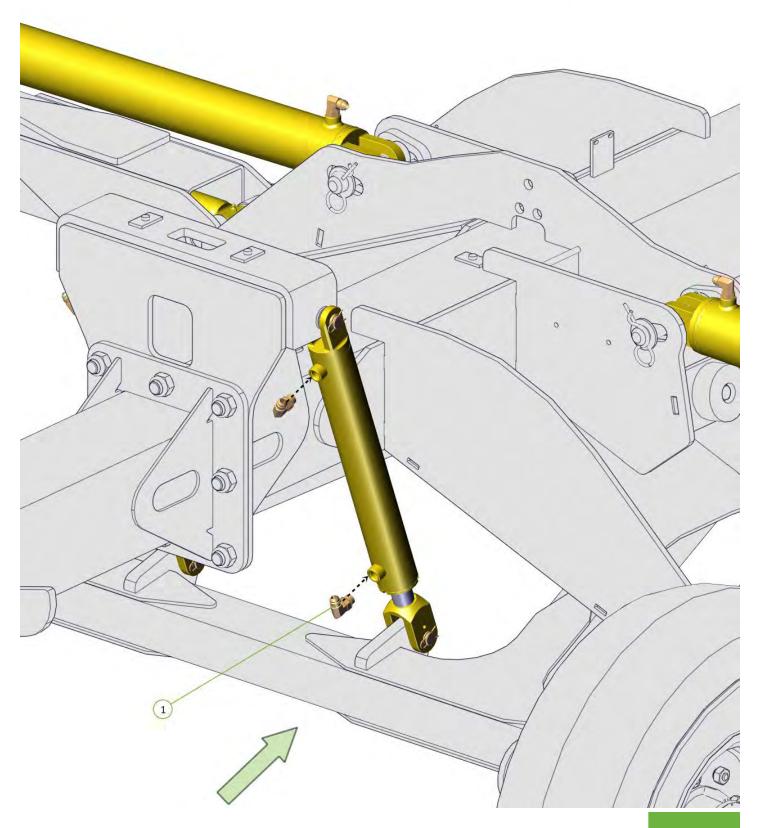


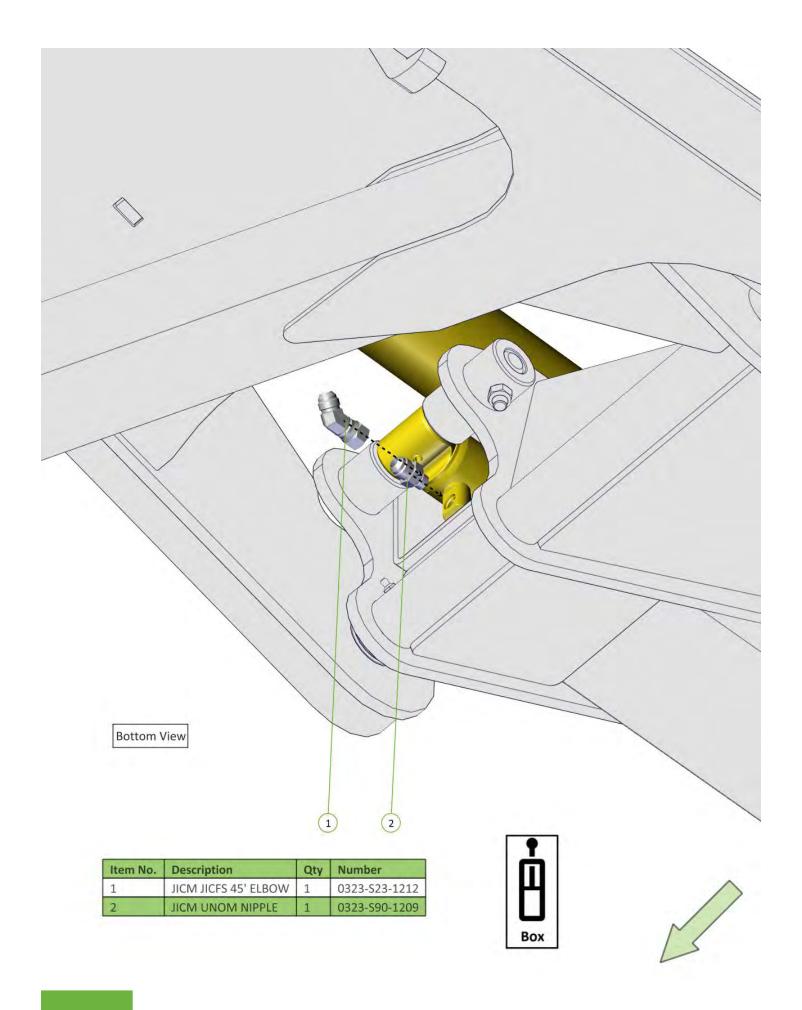


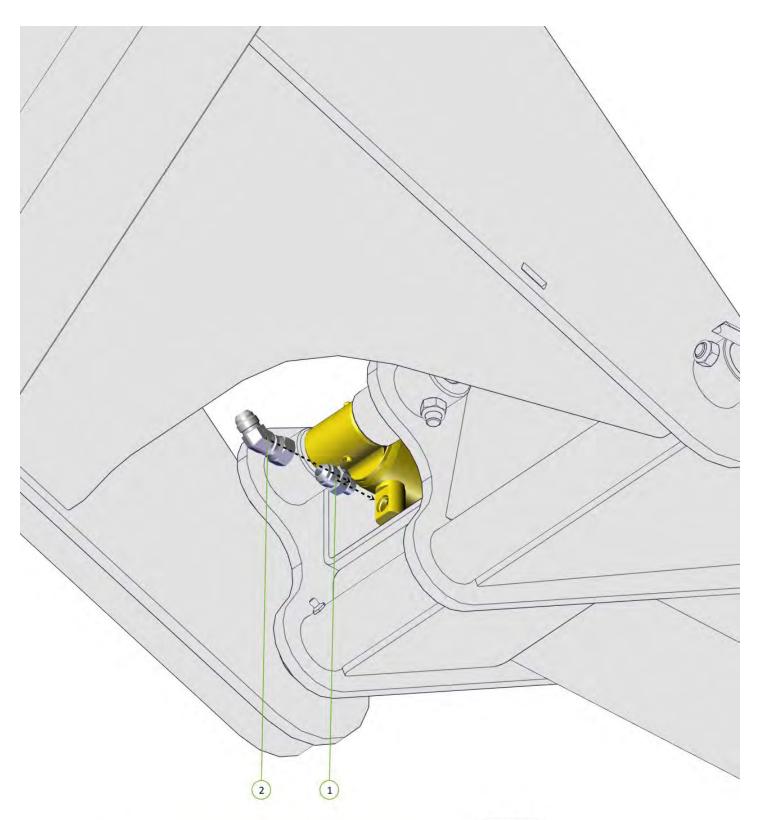


Item No.	Description	Qty	Number
1	JIC Male UNO Male 90' Elbow	2	0323-S91-1212









Item No.	Description	Qty	Number	
1	JICM UNOM NIPPLE	1	0323-S90-1209	
2	JICM JICFS 45' ELBOW	1	0323-S23-1212	





Item No.	Description	Qty	Number
1	M6 x 1 x 85mm Grade 4.6 ZP Bolt	2	0211-685
2	Nyloc Nut M6	2	0221-NYL6
3	BSPP O Ring Male Jic Male Nipple	4	0323-S74-0812
4	Ball Valve BSPP 1/2"	2	0341-RL20SH-0808





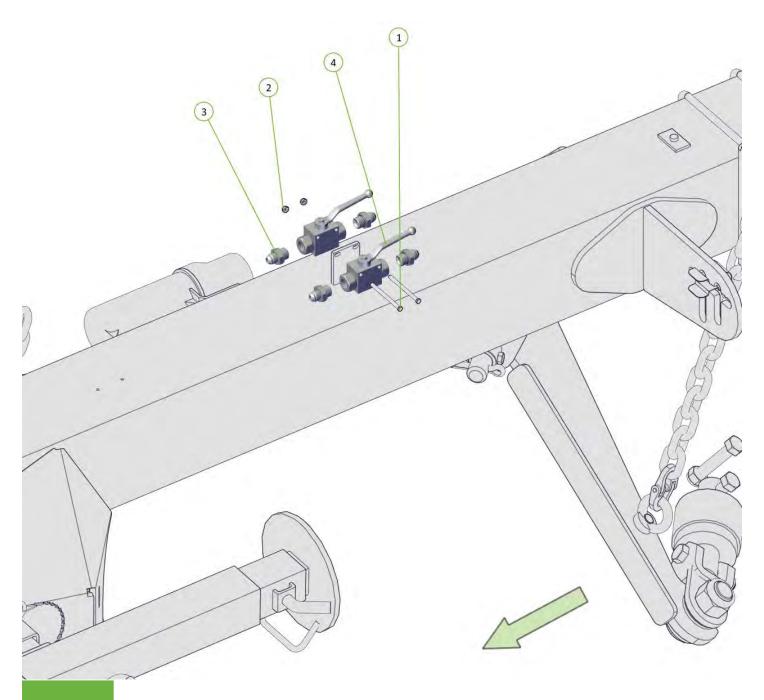


Image 1



Image 2



Please Note -

- 1. Unbolt tap handle from tap (as seen in image 1).
- 2. Flip one plate over so they are a mirror image (as seen in image 1).
- 3. Bolt tap handle back in original position (as seen in image 2)
- 4. Correct fitment will ensure taps are closed when both facing outwards on the machine (as seen in image 3).

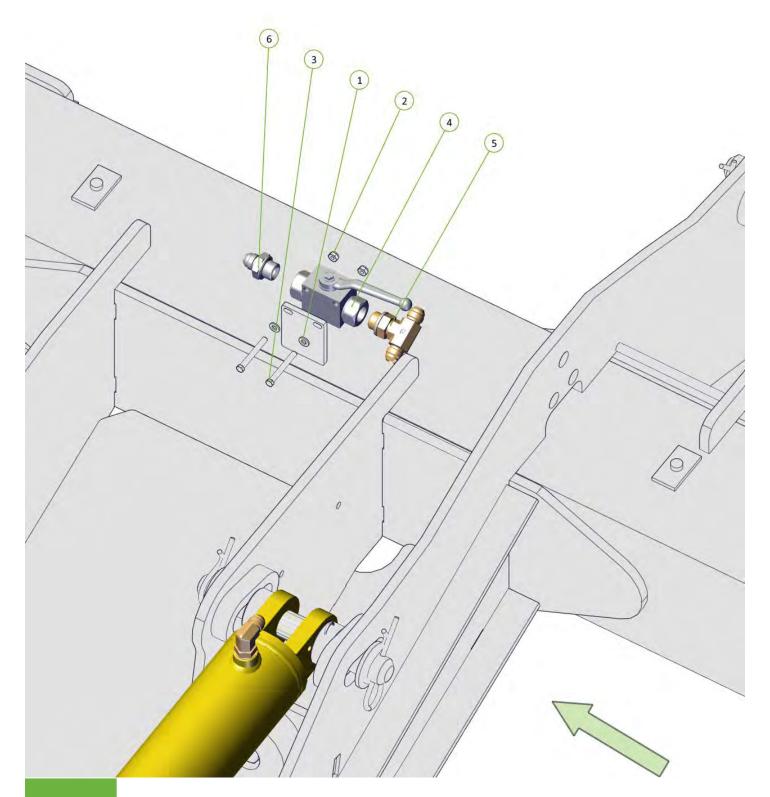
Image 3



Item No.	Description	Qty	Number
1	Washer Flat M6	2	0231-F6
2	Nyloc Nut M6	2	0221-NYL6
3	M6 x 1 x 50mm Grade 4.6 ZP Bolt	2	0211-650
4	Ball Valve BSPP 1/2"	1	0341-RL20SH-0808
5	JICM JICM BSPPOM TEE		0324-S79-121208
6	BSPP O Ring Male Jic Male Nipple	1	0323-574-0812



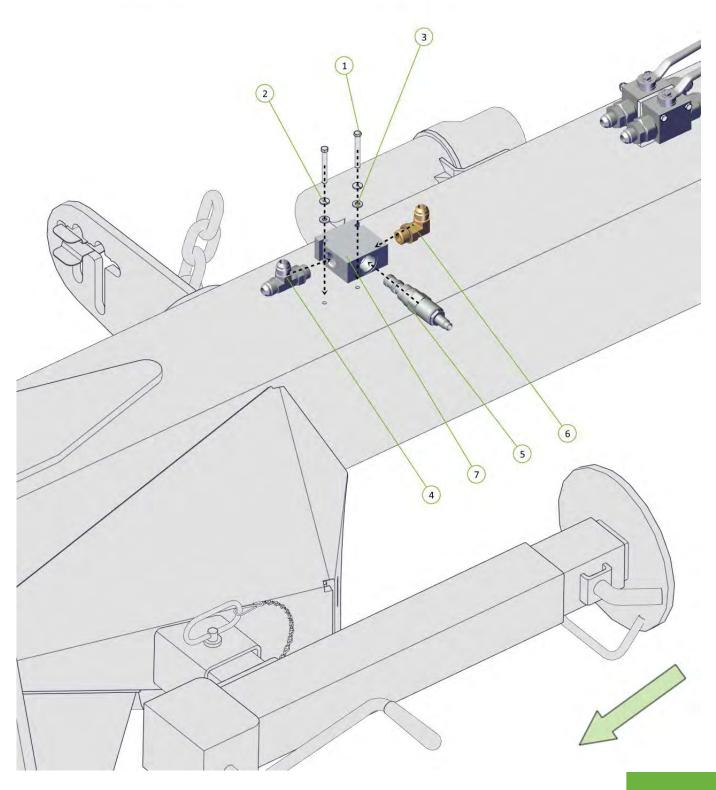




Item No.	Description	Qty	Number
1	M6 x 1 x 50mm Grade 4.6 ZP Bolt	2	0211-650
2	WASHER SPRING M6	2	0231-S6
3	Washer Flat M6	2	0231-F6
4	JICM UNOM JICM TEE	1	0324-S87-121212
5	Pressure Reducing/Relieving Valve Cartridge	1	0341-PR50-36A0P30
6	JIC Male UNO Male 90' Elbow	1	0323-S91-1212
7	10-Size 3-way Valve Housing	1	0341-7024380



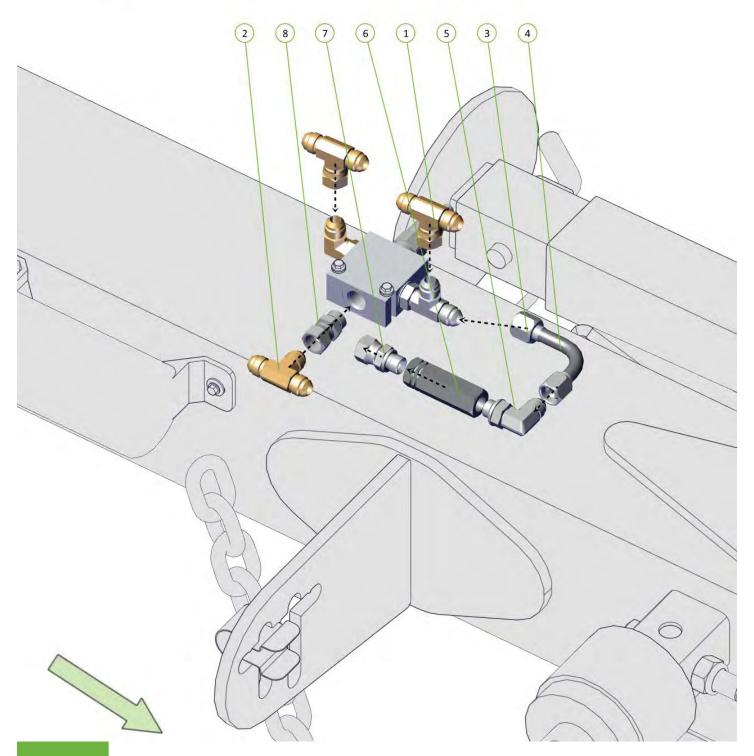




Item No.	Description	Qty	Number
1	JICM JICM JICFS TEE	2	0324-S68-121212
2	JICM JICM JICM TEE	1	0324-S19-121212
3	3/4" JIC Female Nut & Swivel	2	0323-S6-1208
4	ACCUM-VALVE-P2	1	0323-ACCUM-VALVE-P2
5	BSPPOM JICM 90' ELBOW	1	0323-S76-0612
6	3/8"BSPP Port Check Valve	1	0341-RCV-0606
7	BSPPOM JICFS ADAPTOR		0323-S71-0612
8	JIC FEMALE UNO RING MALE	1	0323-S101-1212



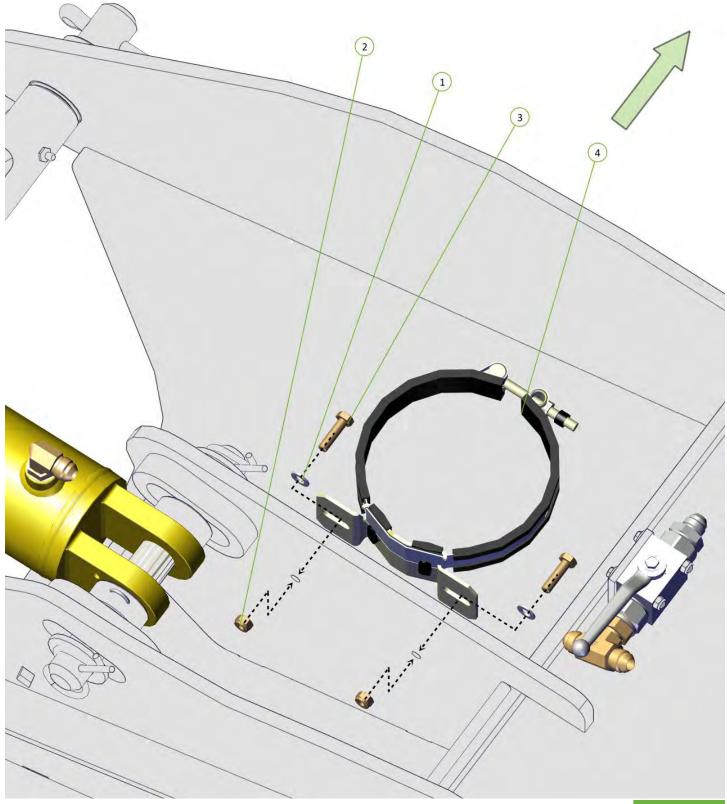
Please note that the valve system is partly assembled on delivery



Item No.	Description	Qty	Number
1	Washer Flat M8	2	0231-F8
2	Nyloc Nut M8	2	0221-NYL8
3	M8 x 30 grade 8.8 ZP Bolt	2	0211-830
4	HYRAC 143-151 (151)	1	0343-ACCUCLAMP-143-151



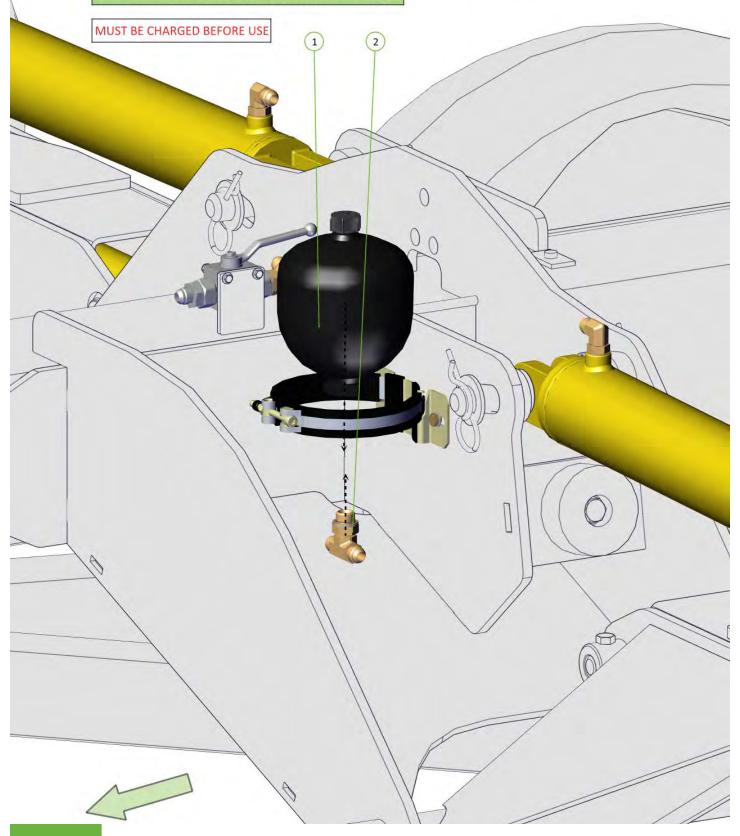


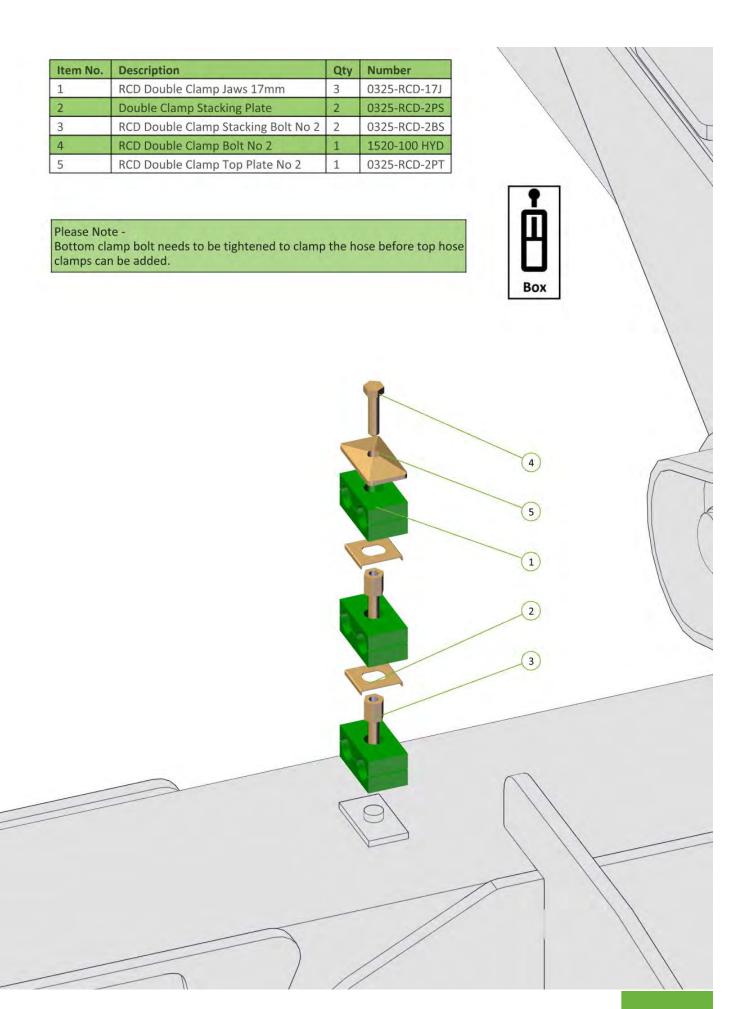


Item No.	Description	Qty	Number
1	1.4L Accumulator	1	0343-SBO210-1.4EI
2	JICM JICM BSPPOM TEE	1	0324-S79-121208

Box

Machines outside of Australia-The accumulator will need to be charged. Note - Accumulator charged to 70 BAR with nitrogen gas.





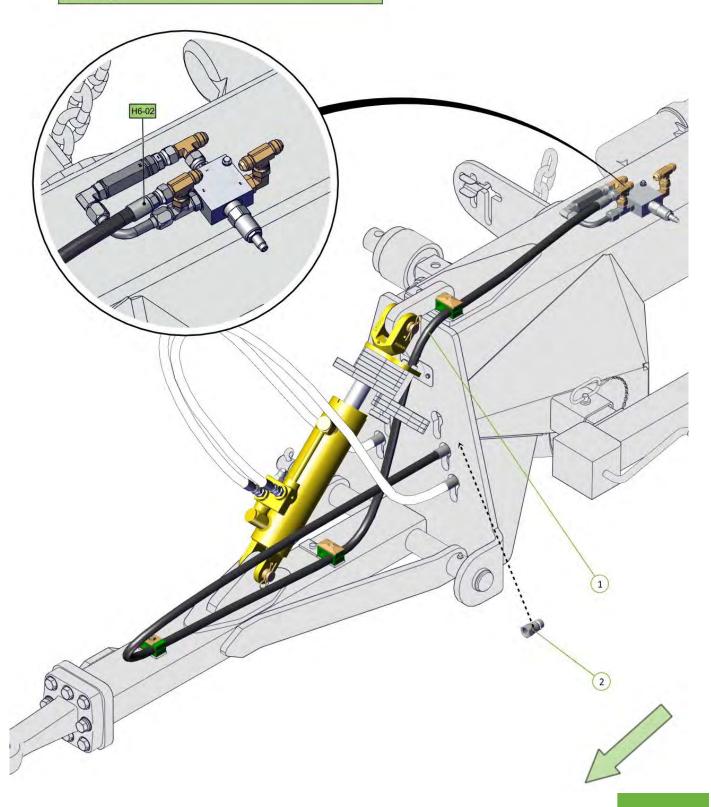
m No.	Description	Qty	Number	/ M \	\square
	BSPPF QRC/BALL MALE TIP	2	0325-R91-08M	(H)	П
	Tractor to Front Lift Cylinder	1	H6-01	\ U /	u
	Tractor to Front Lift Cylinder	1	H6-01	Bag 1	Вох
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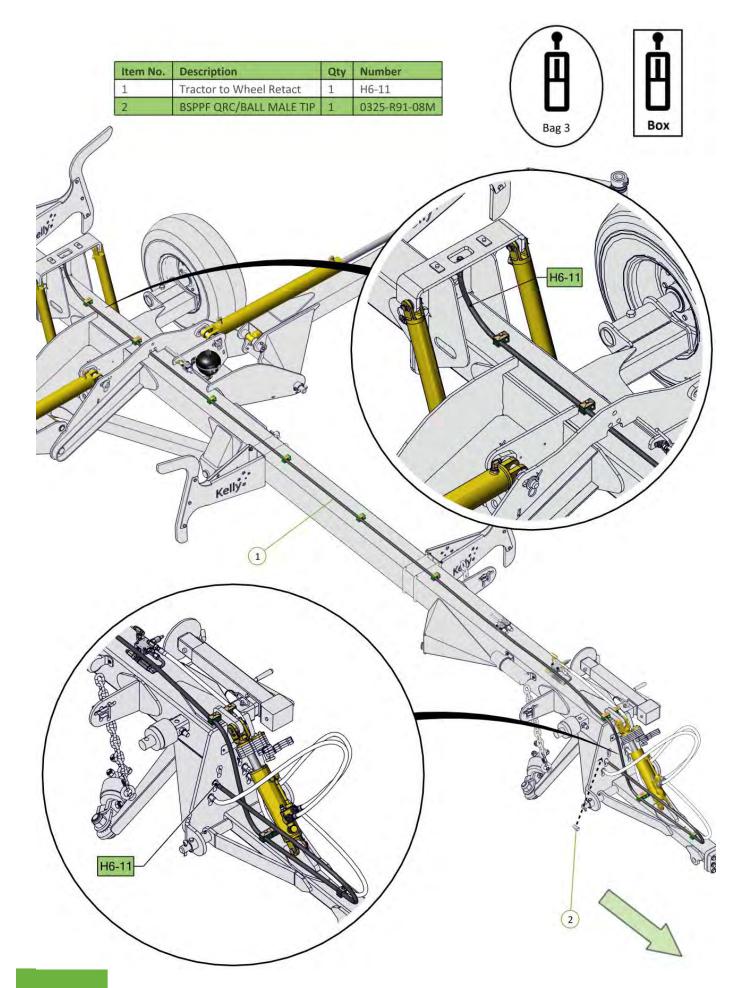
Item No.	Description	Qty	Number
1	Tractor to Main Pressure Relief Extend	1	H6-02
2	BSPPF QRC/BALL MALE TIP	1	0325-R91-08M





Please ensure thread tape is used to seal between ball male tip and fitting.



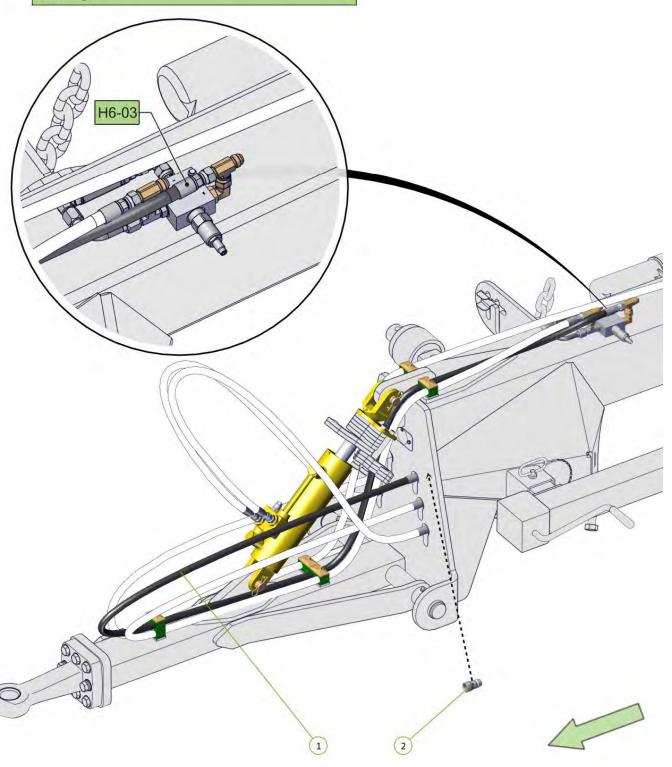


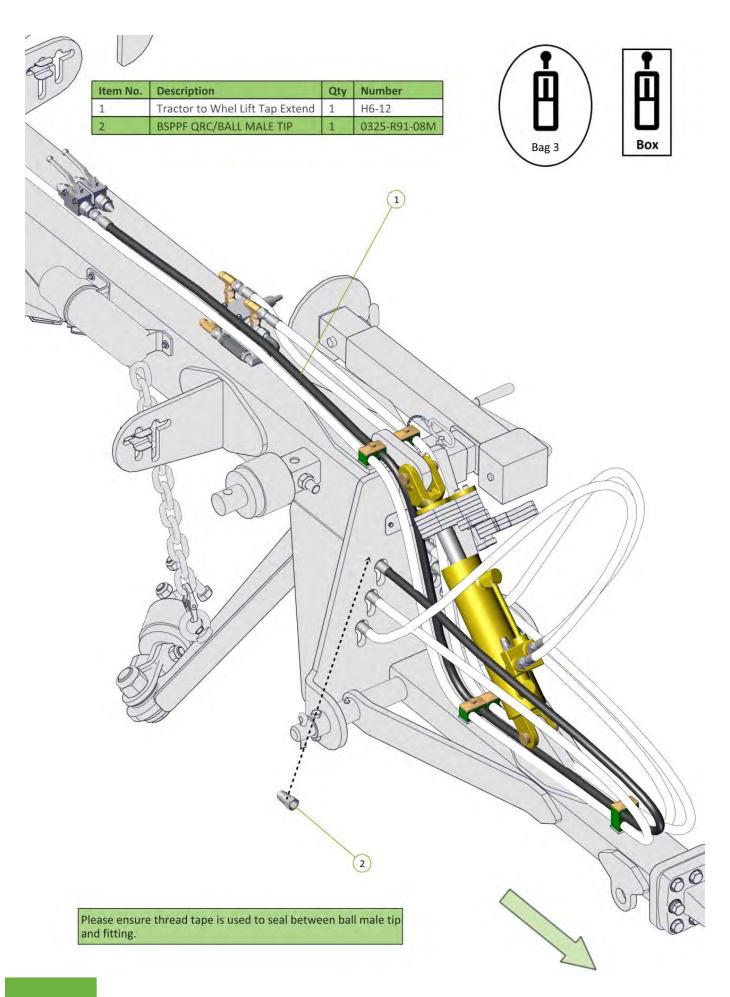
Item No.	Description	Qty	Number
1	Tractor to Pressure Relief Valve Retract	1	H6-03
2	BSPPF QRC/BALL MALE TIP	1	0325-R91-08M





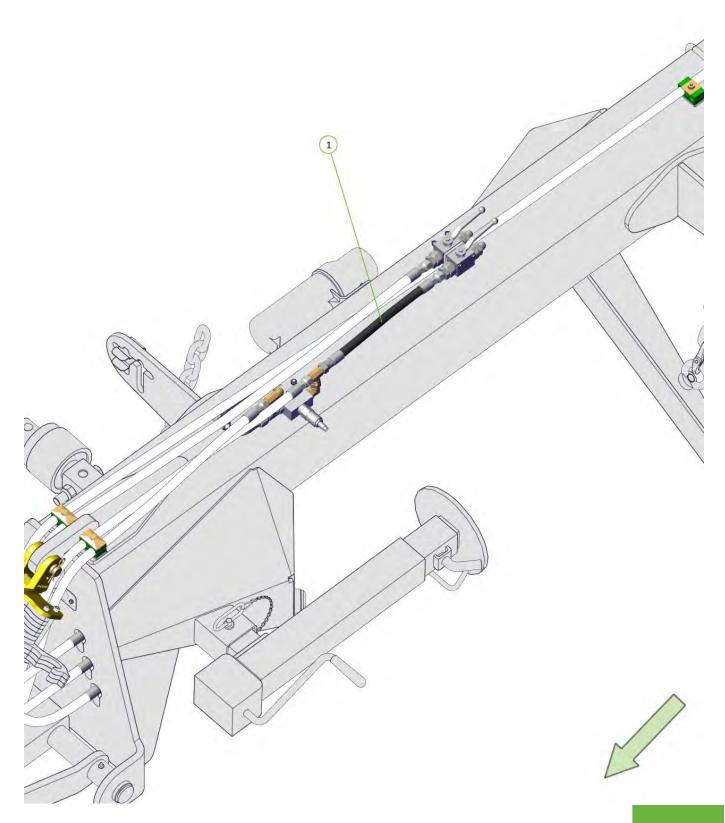
Please ensure thread tape is used to seal between ball male tip and fitting.





Item No. Description		Qty	Number	
1	Pressure Relief Valve to Tap Retract	1	H6-06	

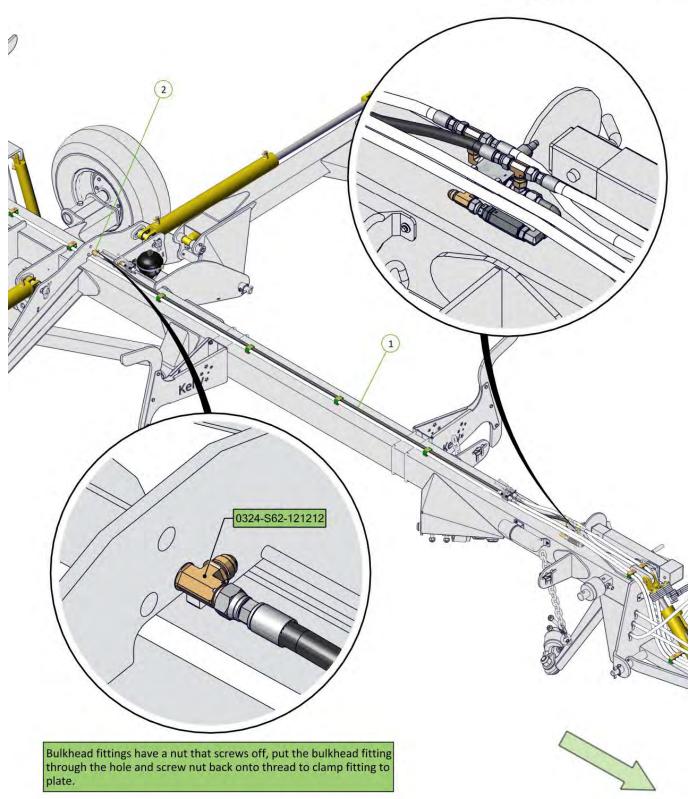


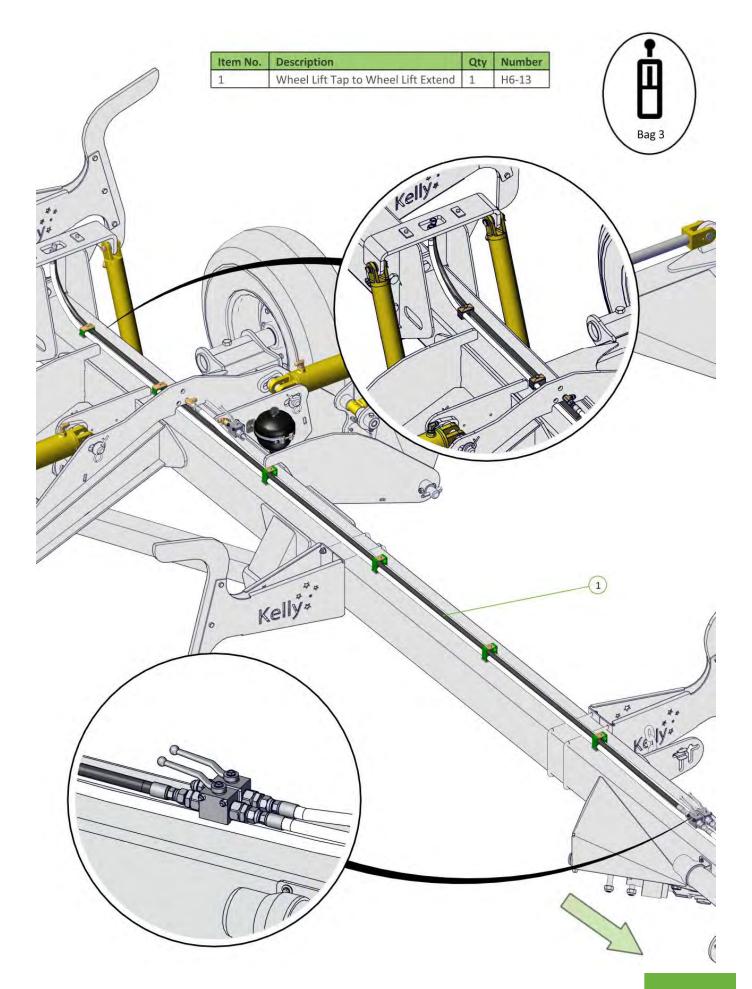


Item No.	Description	Qty	Number
1	Pressure Relief Valve to Bulk Head Fittting Extend	1	H6-05
2	3/4" JIC Male Bulkhead Fitting	1	0324-S62-121212





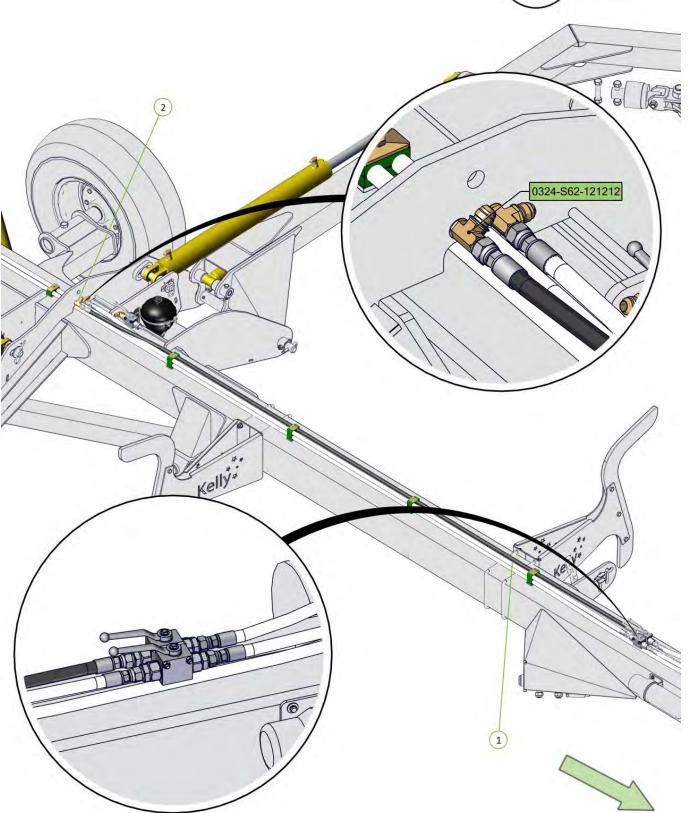


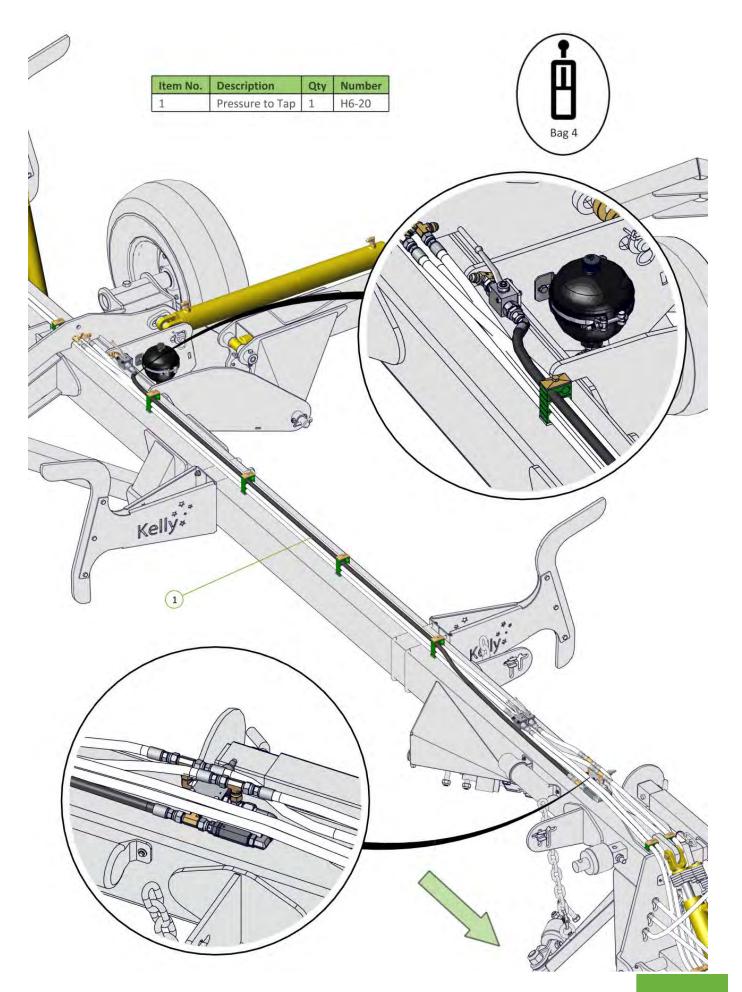


Item No.	Description	Qty	Number
1	Tap to Bulk Head Fitting Retract	1	H6-04
2	3/4" JIC Male Bulkhead Fitting	1	0324-S62-121212





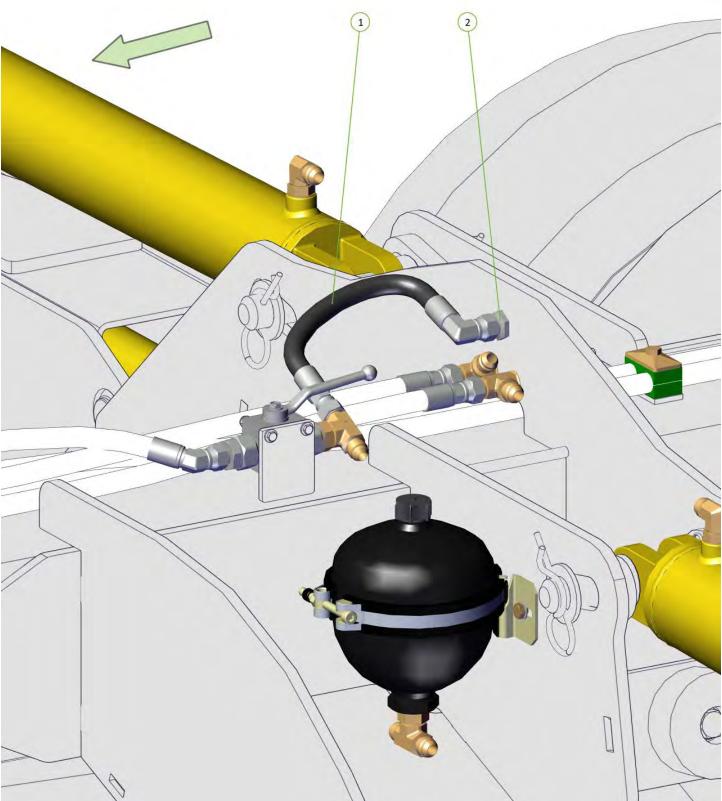


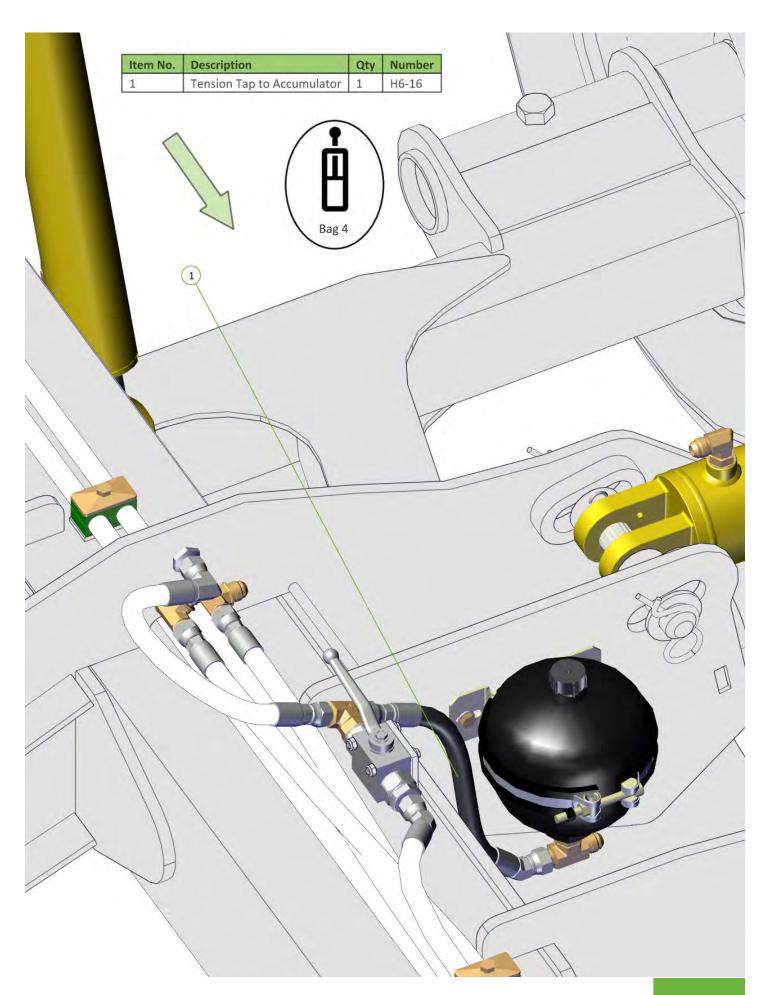


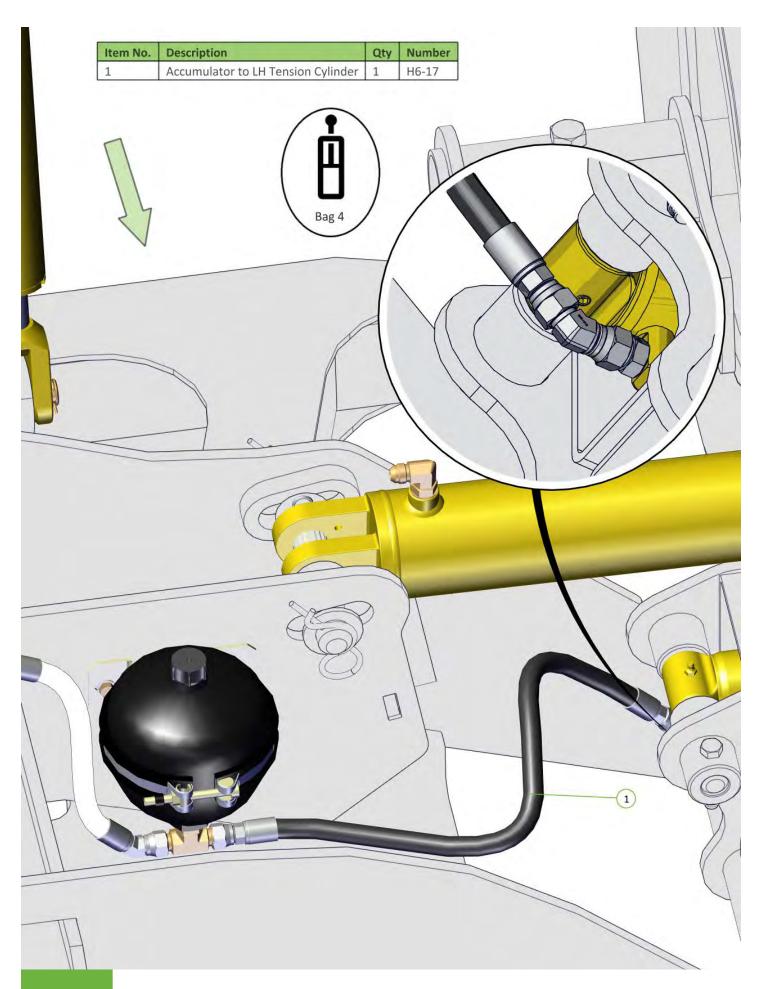
Item No.	Description	Qty	Number
1	Tension Tap to Bulkhead Fitting	1	H6-18
2	JICM BULKHEAD JICM NIPPLE	1	0323-S10-1212









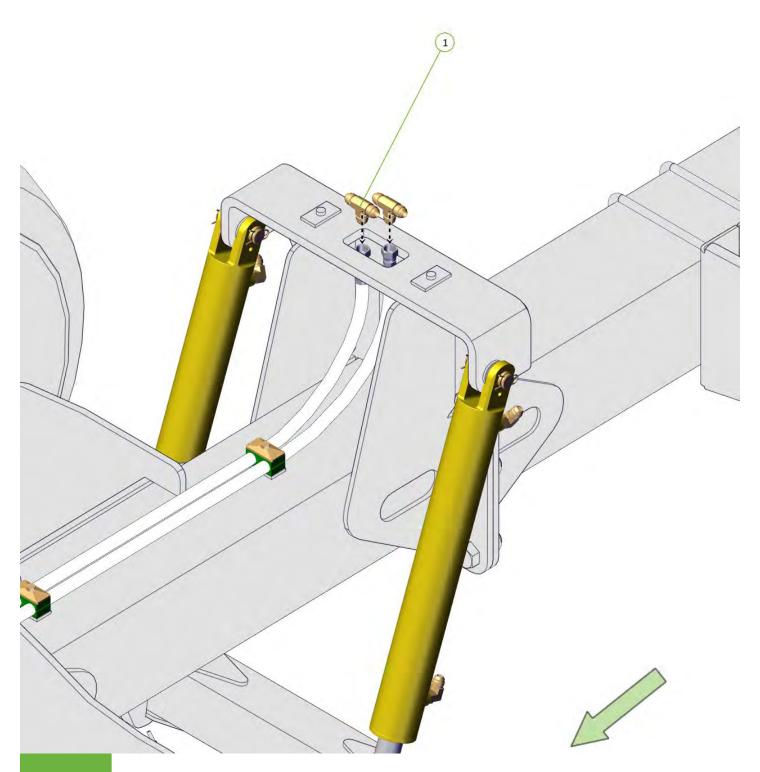


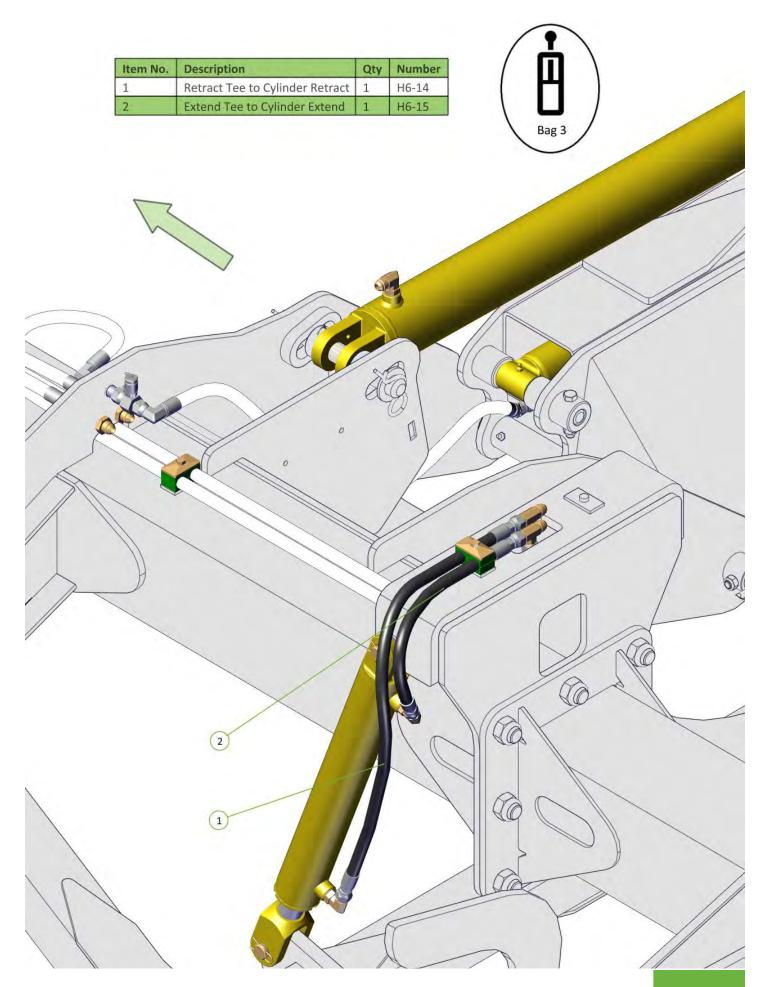
Item No.	Description	Qty	Number		∣Щ∣
2	Bulkhead to RH Tension Cylinder JIC Male, JIC Female Swivel, M16 x 2.0 Test P	oint 1	H6-19 0325-S159-121216		
				Bag 4	

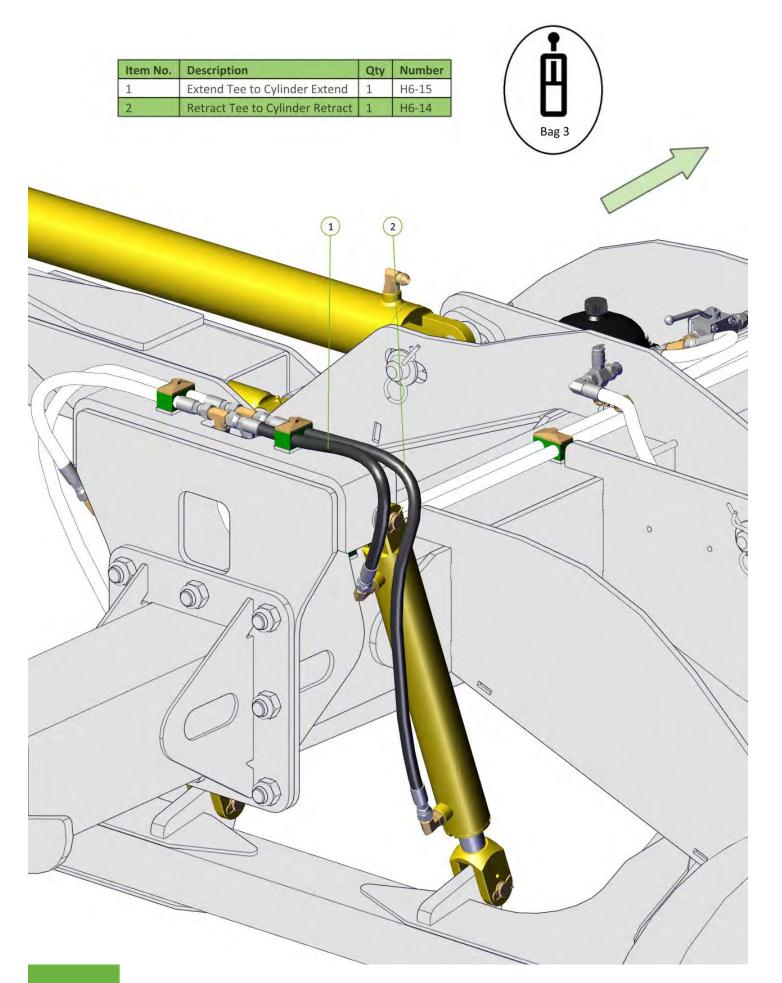
Item No.	Description	Qty	Number
1	JICM JICM JICM TEE	2	0324-S19-121212





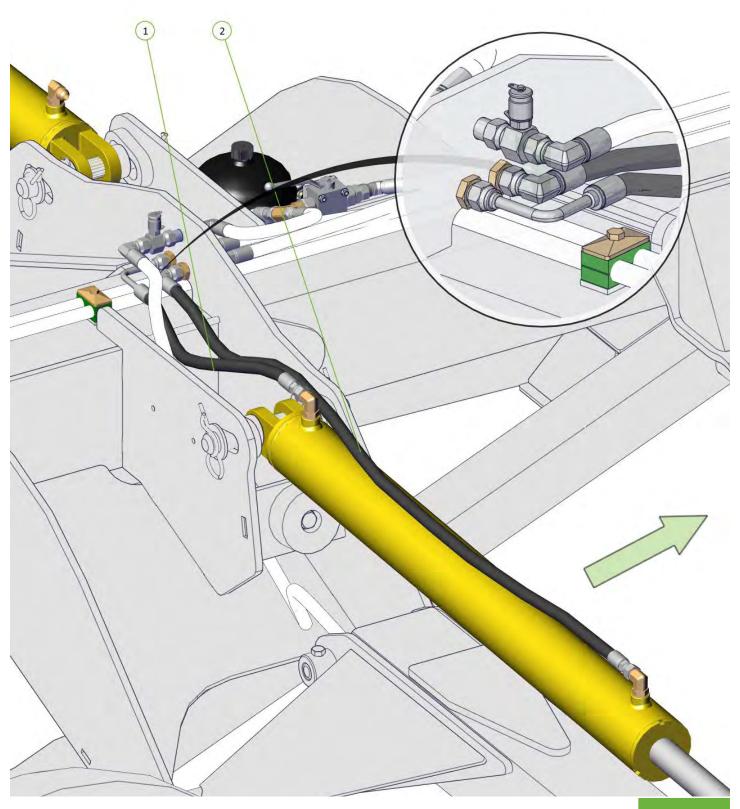


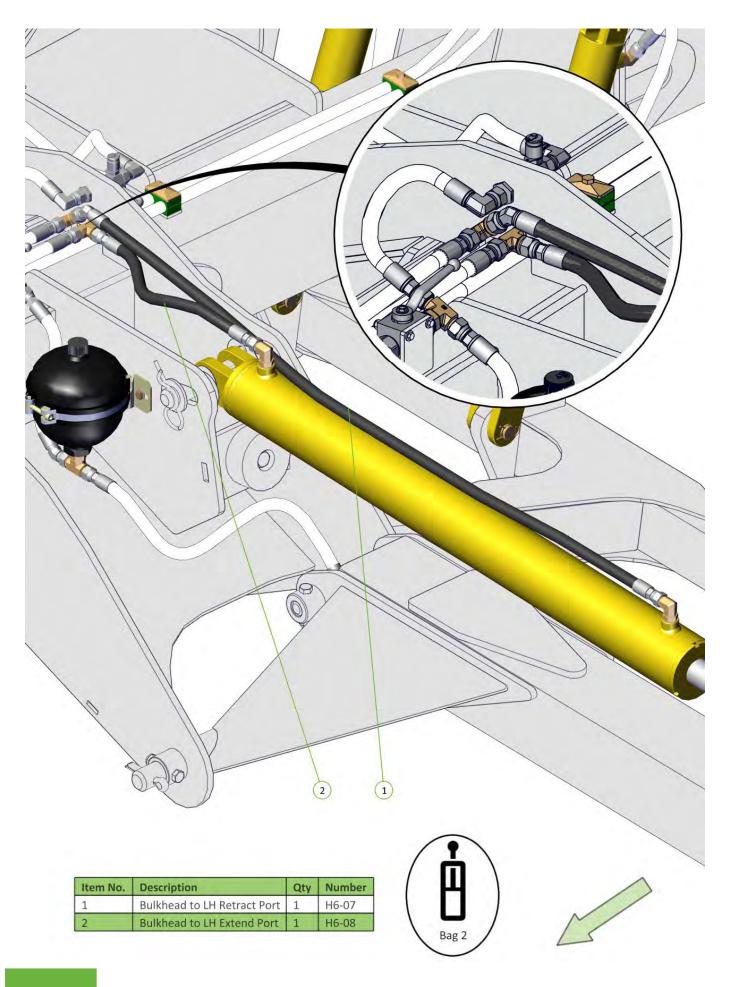


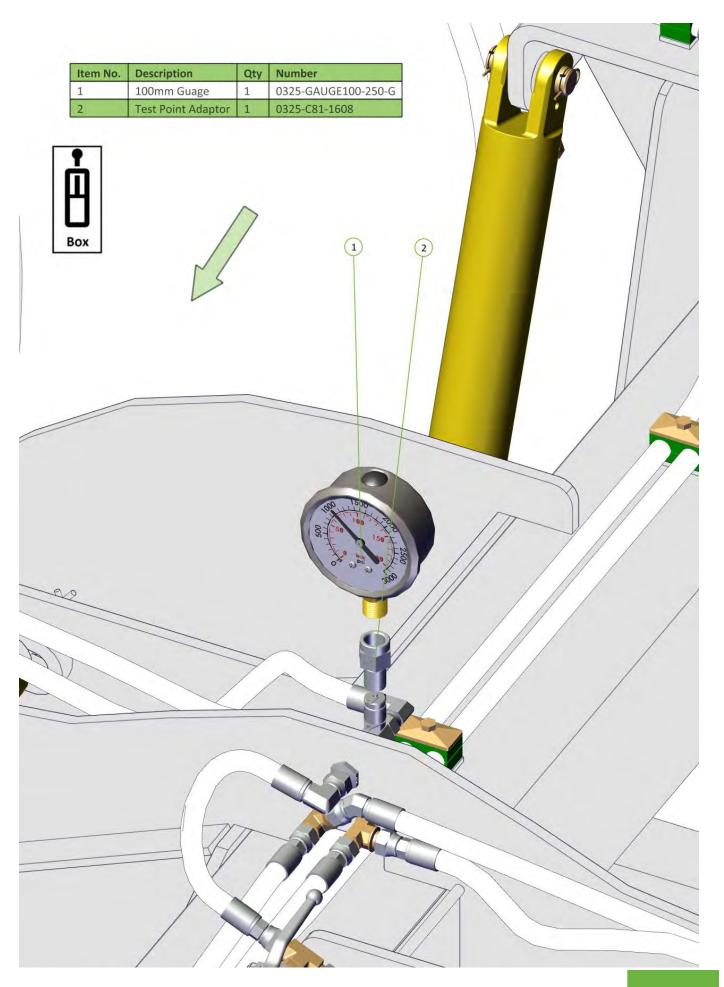


Item No.	Description	Qty	Number
1	Bulkhead to Right Hand Extend Port	1	H6-10
2	Bulkhead to RH Retract Port	1	H6-09







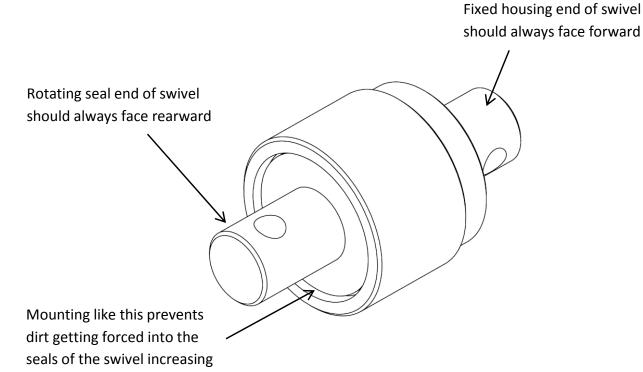


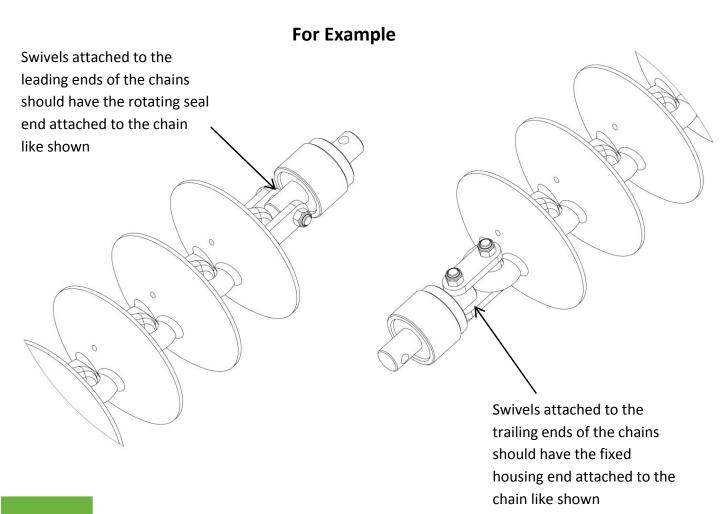


Section 4

Diagrams & Specifications

longevity of the swivel





Operating speeds

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

Chain Harrow specifications

Model	6m
Working width	21.5′/6.56m
Transport width	8.1′/2.47m
Transport height	13.2′/4m
Transport length	34.3′/10.44m

Bolt Torque Settings

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

[1] When fitting a wheel & tire to a hub, tighten the wheel nuts in rotation to the correct tension. To achieve this choose a wheel nut & tighten, then proceed clockwise to the next wheel nut & tighten & so on until all wheel nuts are tight. Then repeat the procedure to check that all nuts are tight. Do not use impact tools to tighten wheel nuts. For a guide to the correct tension of the wheel nuts please use the appropriate tension for your size wheel nuts from the Bolt Torque Settings table.

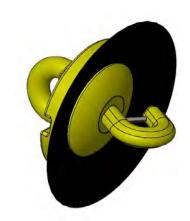
Torque values are for dry threads and surfaces however it is permissible to apply a small amount of anti corrosive oil to the threads.

Disc Chain Lengths

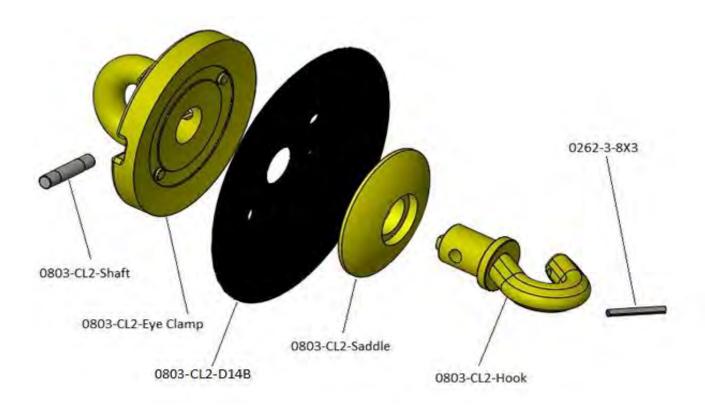
Model		Length	CL2	CL1	W36	R300	SD49	Prickle chain	
			CL2 disc chain also requires CL1 disc chain						
6m	Front right	14.9′/4.53m	CL2 - 20 CL1 - 2	27	27	36	36	50	
	Front left	15'/4.56m	CL2 - 20 CL1 - 2	27	28	36	36	51	
	Rear right	15.1′/4.61m	CL2 - 20 CL1 - 2	27	28	37	37	51	
	Rear left	15.2′/4.64m	CL2 - 20 CL1 - 2	28	28	37	37	51	

Section 5 Assembly Updates

CL2 Chain Configuration



0803-CL2-Link Assembly



CL2 Disc Change Procedure

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

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

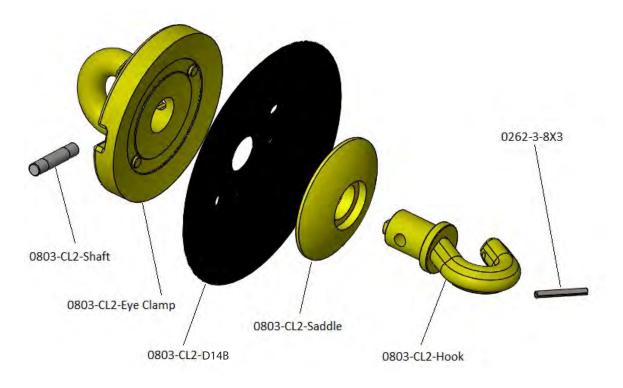


Figure 1: Exploded view of CL2 disc assembly

Changeover procedure as follows:

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

CL2 Disc Change Procedure

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

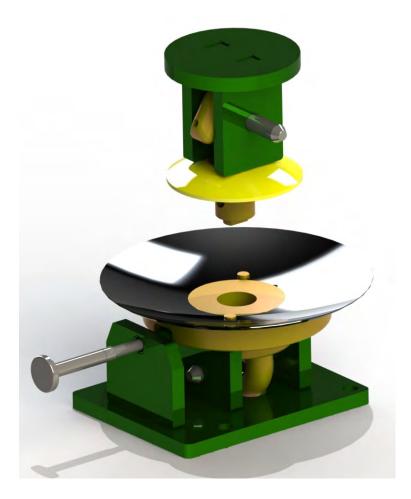


Figure 2: CL2 disc with press jig in Open position

CL2 Disc Change Procedure



Figure 3: CL2 disc with press jig in Closed position

