

Diamond Chain Harrow Assembly and Parts Manual

Model 45

Revision G October 2018

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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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Section 1 Unpacking

Unpacking

We recommend that a crane and forklift truck be available for unloading and assembly



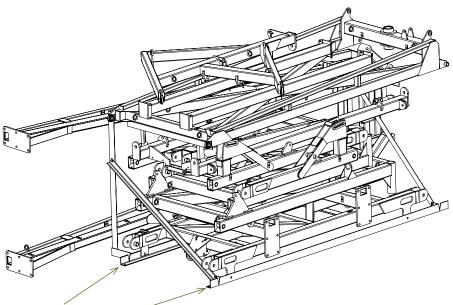
• Before opening shipping container inspect exterior for any damage. Remove seal and open container doors.



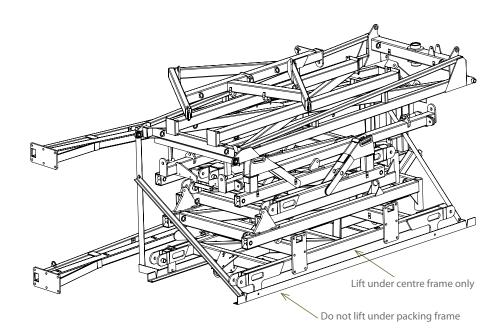
CAUTION

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.

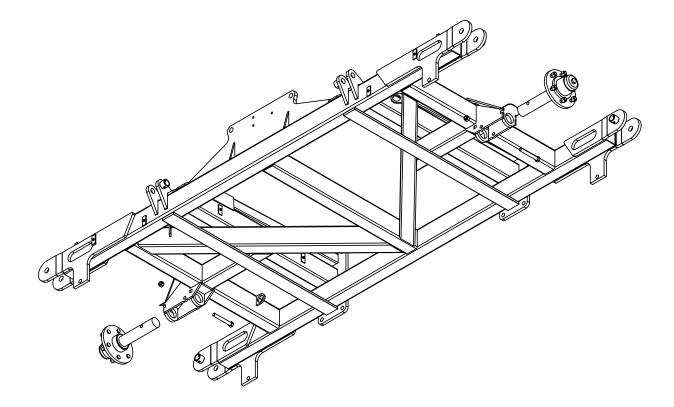
CAUTION

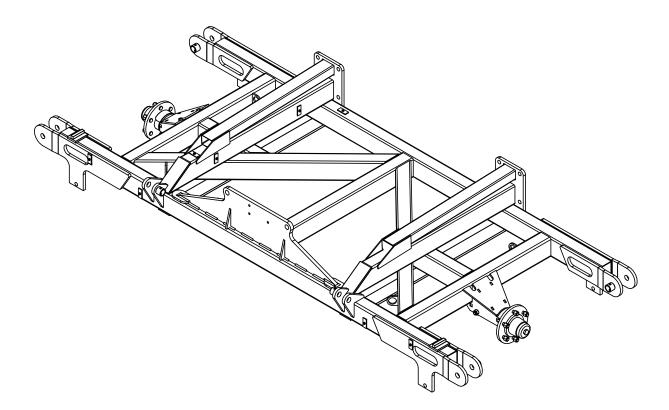
To avoid falling or moving components, before cutting straps attach slings or chains to individual pieces and only cut the straps holding the piece to be lifted.

- 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
- 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
- Once all parts have been identified machines are ready for assembly
- Read assembly instructions before proceeding.

Section 2 Parts

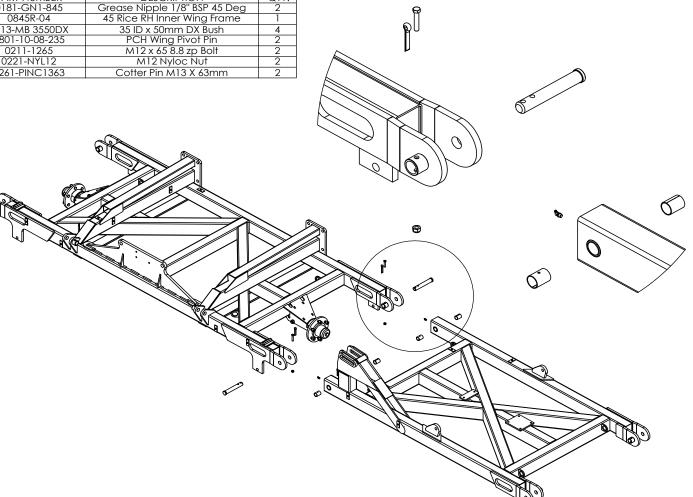
PART NUMBER	DESCRIPTION	QTY.
0845-01	45'/45R Centre Frame	1
0733-SH275966205	2.75"R 6 Tonne on 205mm PCD Hub Complete	2
0211-20150	M20 x 150 8.8 zp Bolt	2
0221-NYL20	M20 Nyloc Nut	2

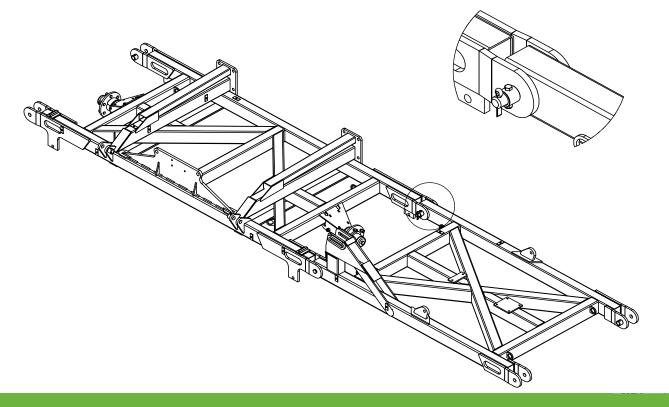




PART NUMBER	DESCRIPTION	QTY.
0181-GN1-845	Grease Nipple 1/8" BSP 45 Deg	2
0845R-04	45 Rice RH Inner Wing Frame	1
0113-MB 3550DX	35 ID x 50mm DX Bush	4
0801-10-08-235	PCH Wing Pivot Pin	2
0211-1265	M12 x 65 8.8 zp Bolt	2
0221-NYL12	M12 Nyloc Nut	2
0261-PINC1363	Cotter Pin M13 X 63mm	2

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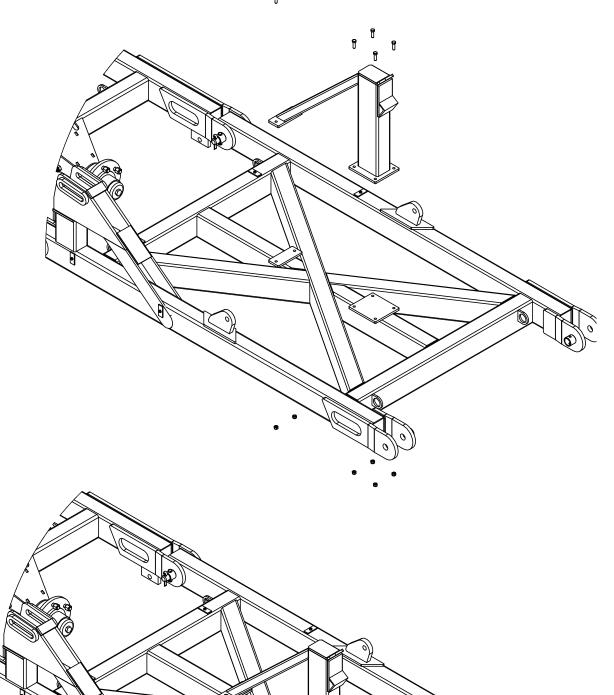




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PART NUMBER	DESCRIPTION	QTY.
0845R-04P	45R Inner Wing post	1
0211-1240	M12 x 40 8.8 zp Bolt	6
0221-NYL12	M12 Nyloc Nut	6

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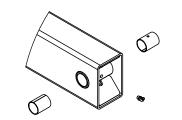


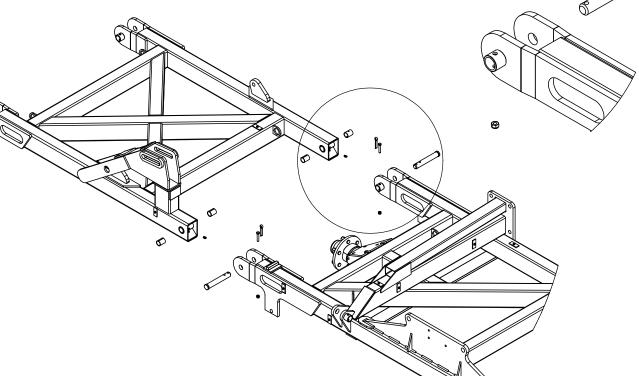
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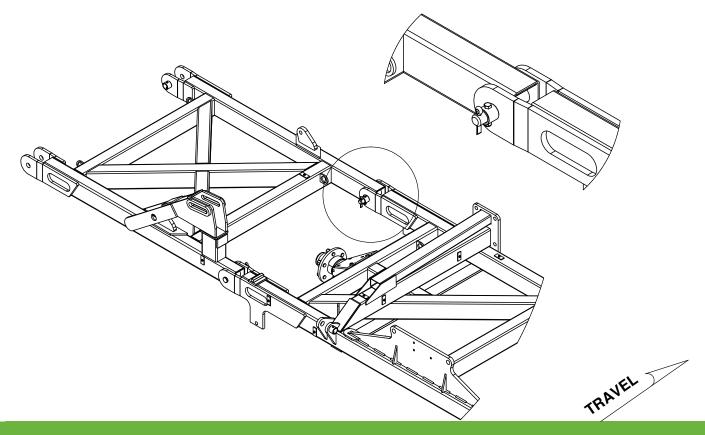
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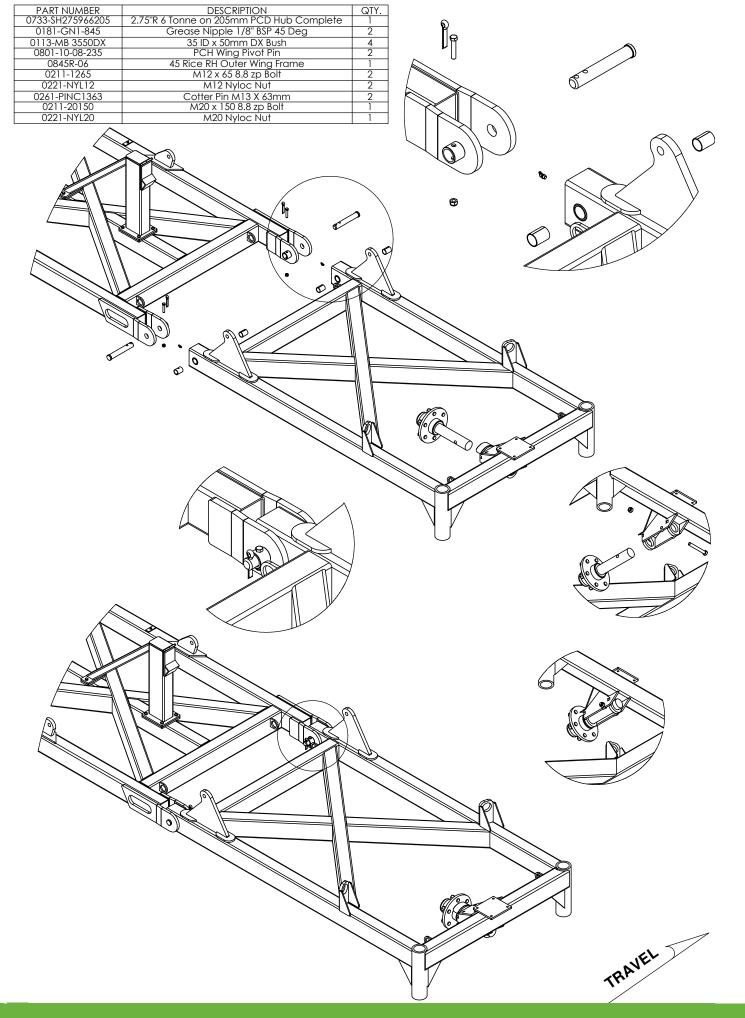
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PART NUMBER	DESCRIPTION	QTY.
0181-GN1-845	Grease Nipple 1/8" BSP 45 Deg	2
0113-MB 3550DX	35 ID x 50mm DX Bush	4
0801-10-08-235	PCH Wing Pivot Pin	2
0845-05	45'/45R LH Inner Wing Frame	1
0211-1265	M12 x 65 8.8 zp Bolt	2
0221-NYL12	M12 Nyloc Nut	2
0261-PINC1363	Cotter Pin M13 X 63mm	2

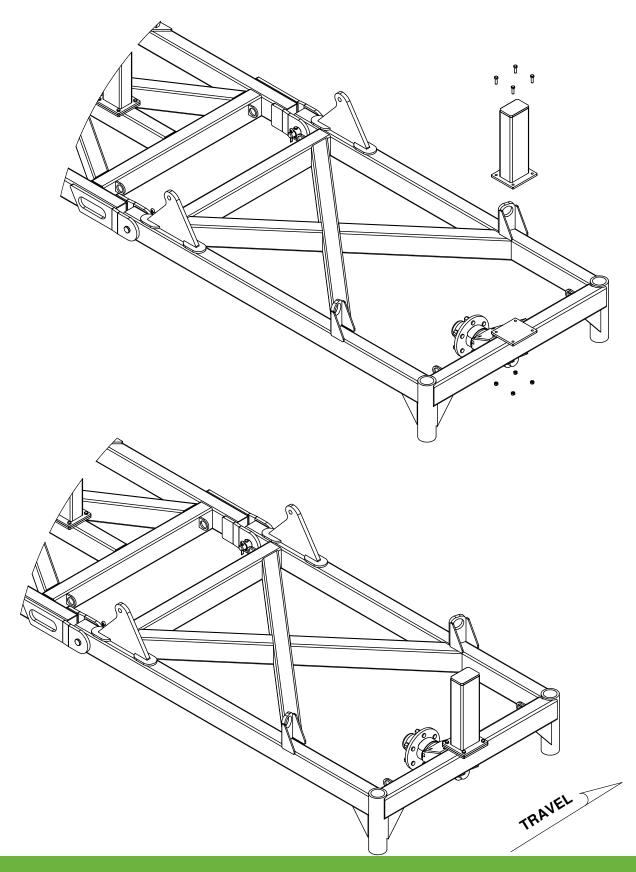


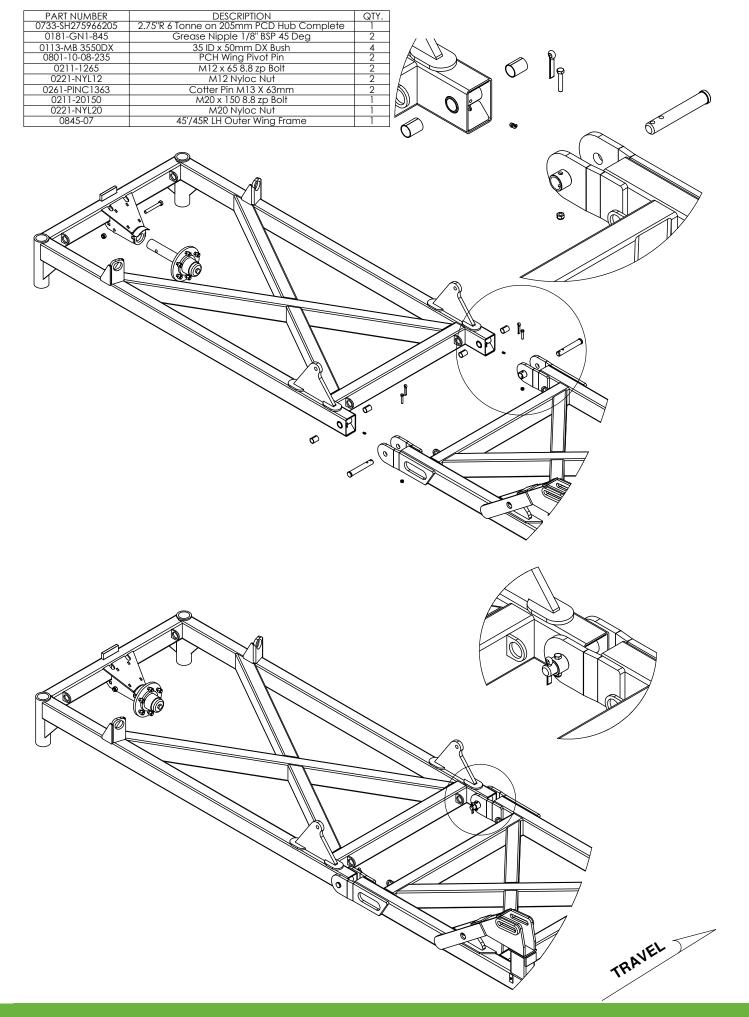


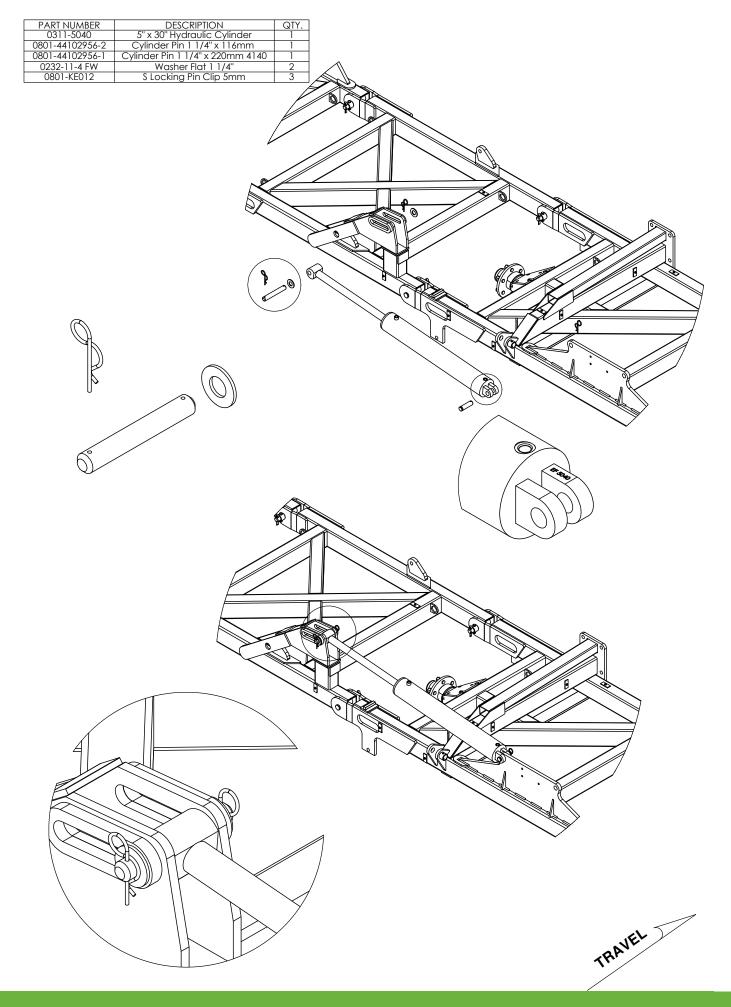


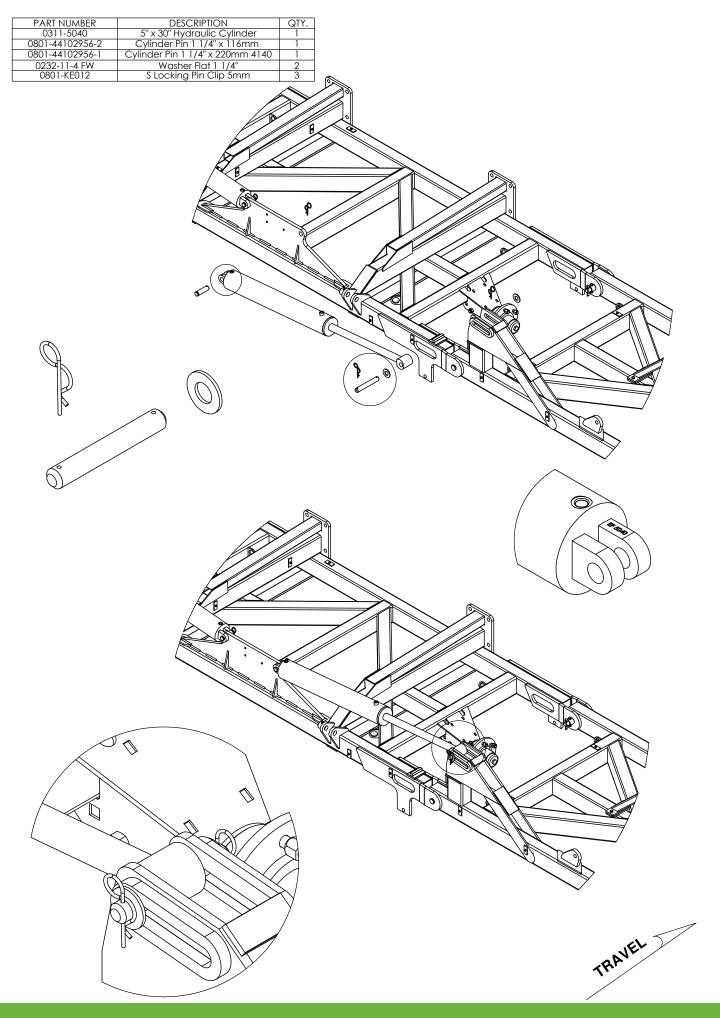


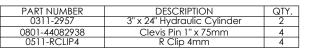
PART NUMBER	DESCRIPTION	QTY.
0845R-06P	45R Outer Wing Post	1
0211-1240	M12 x 40 8.8 zp Bolt	4
0221-NYL12	M12 Nyloc Nut	4

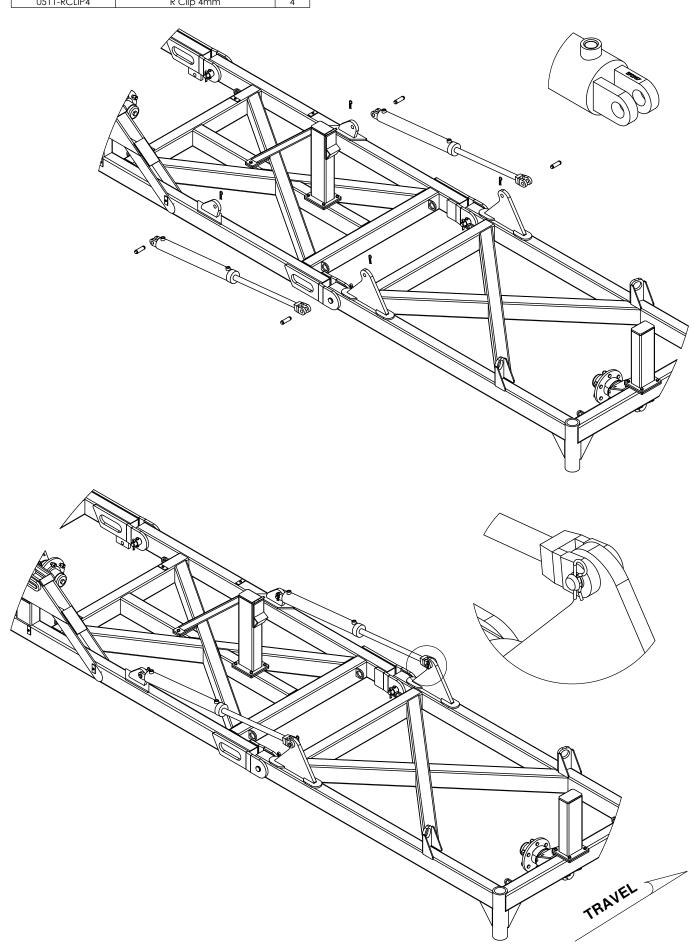


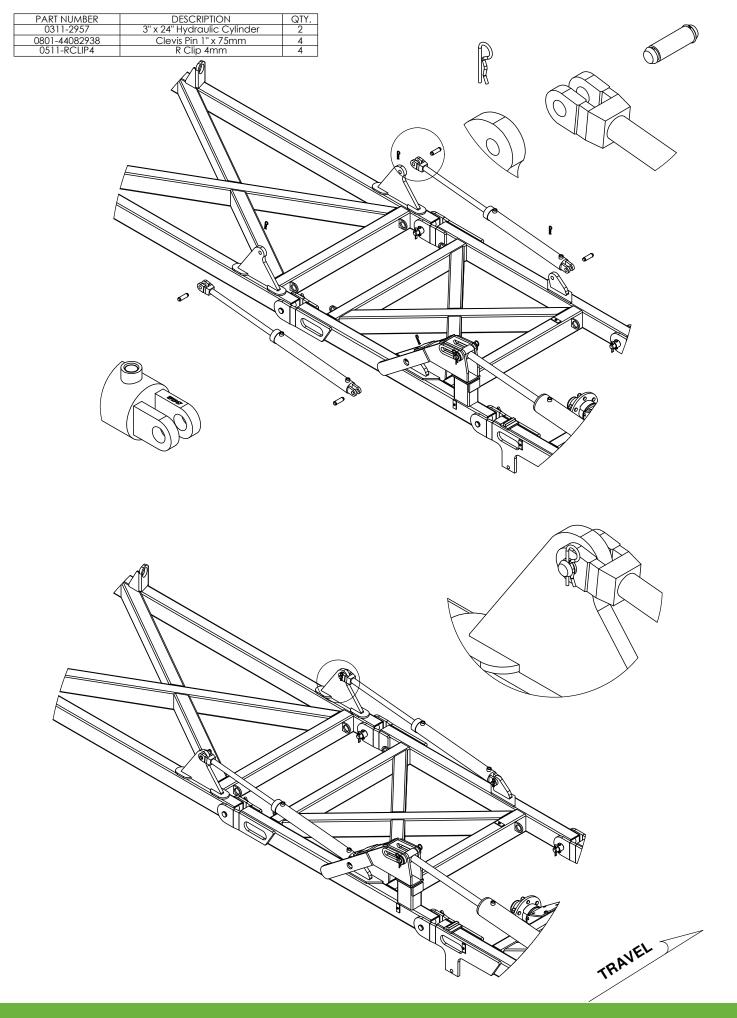


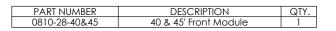


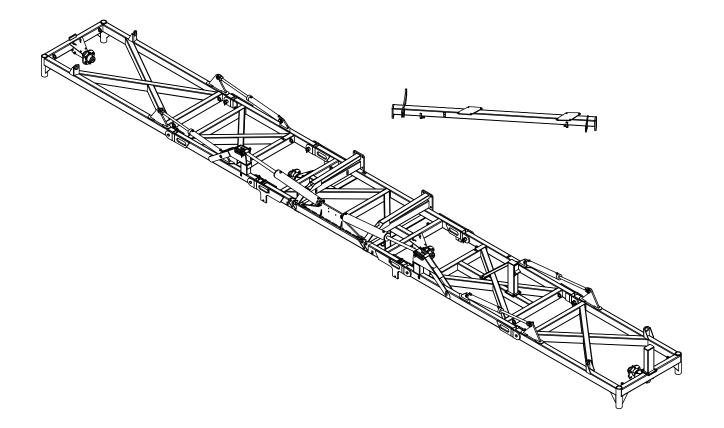


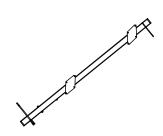


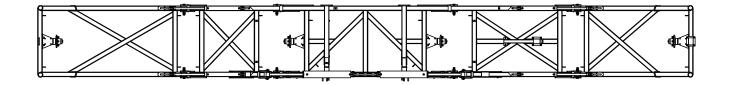


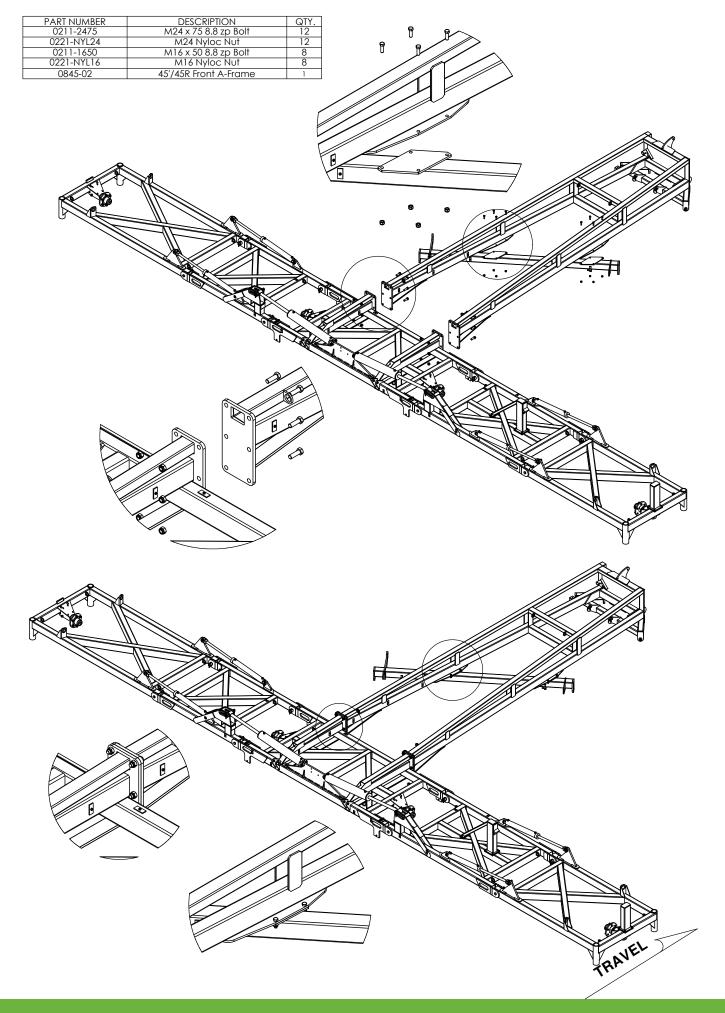


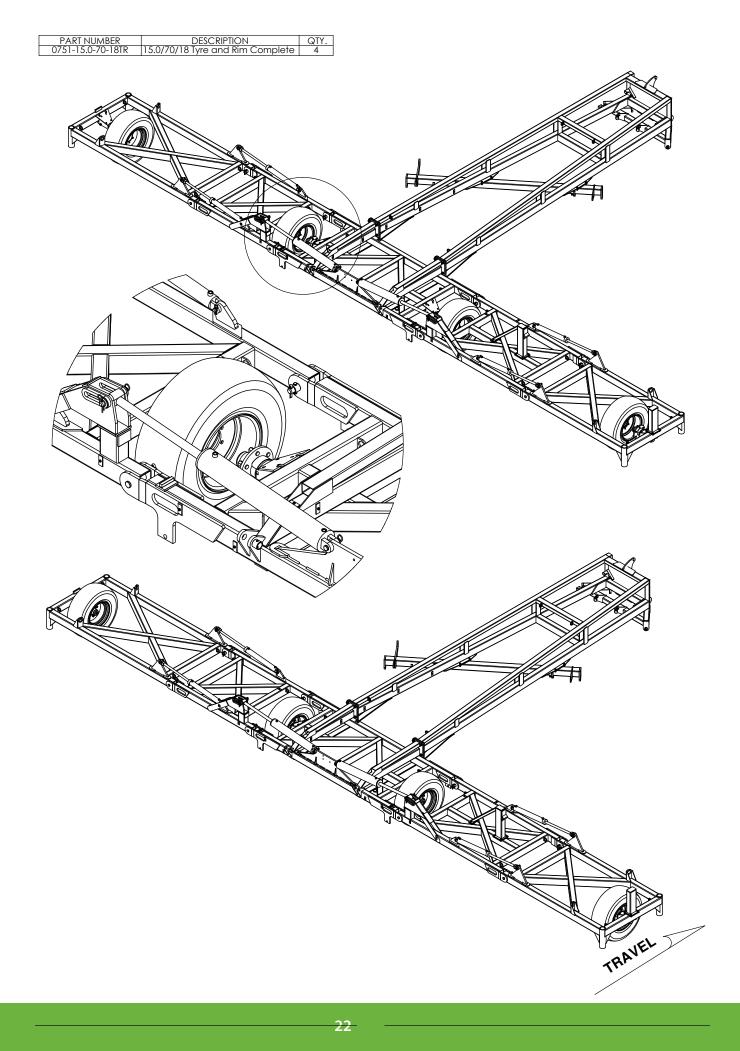


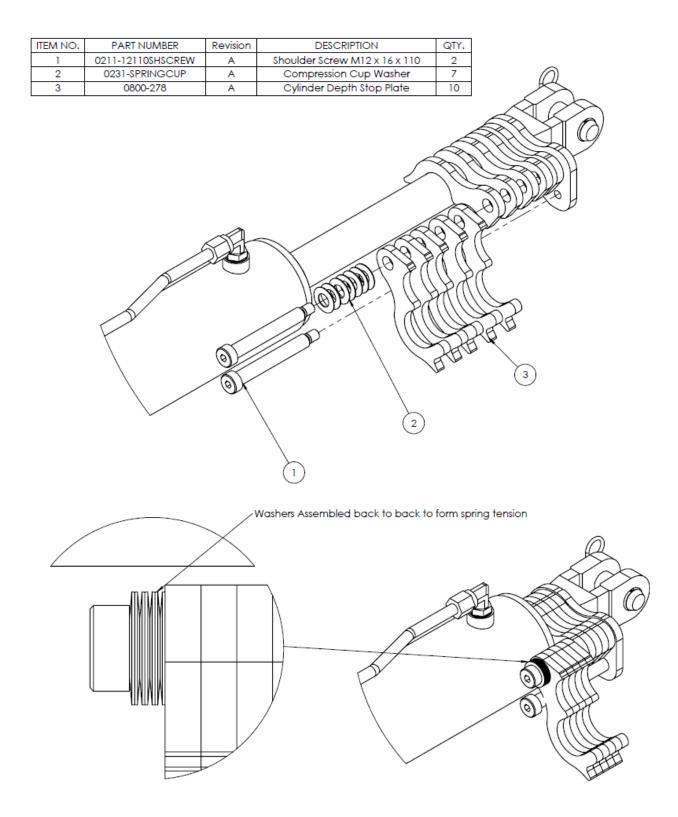


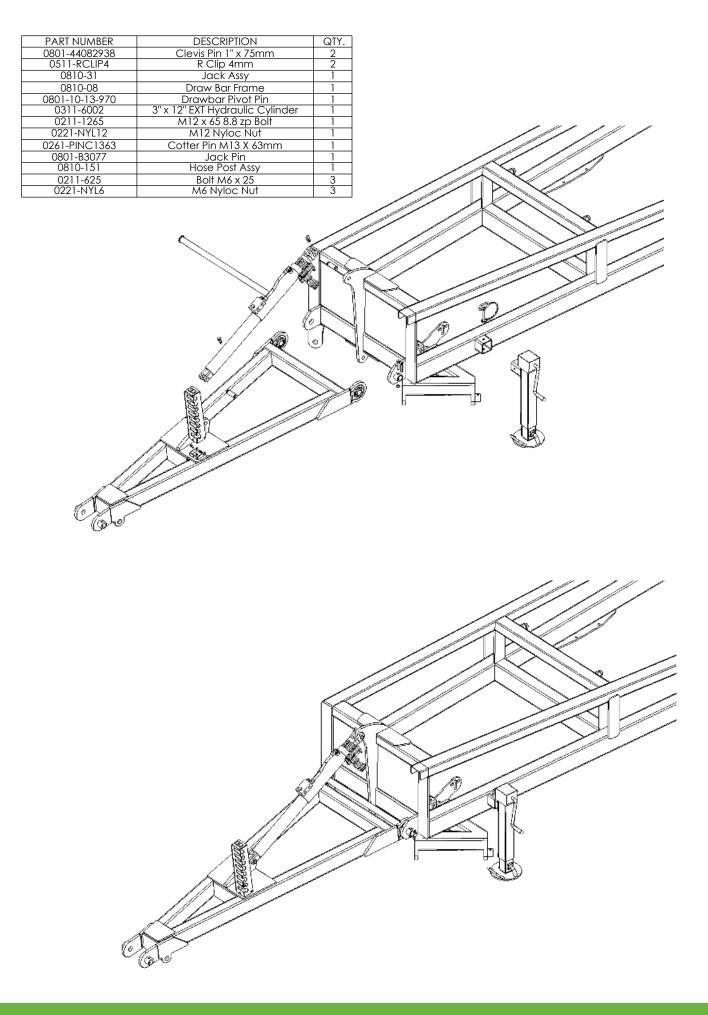




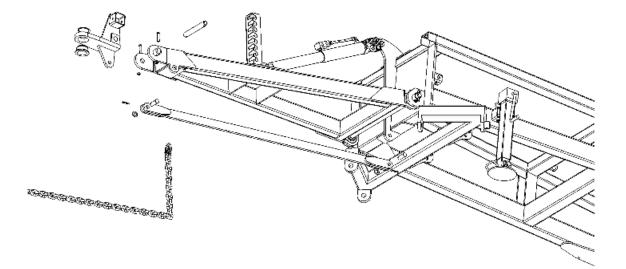


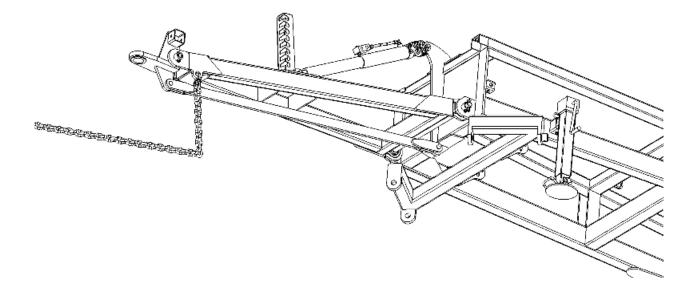


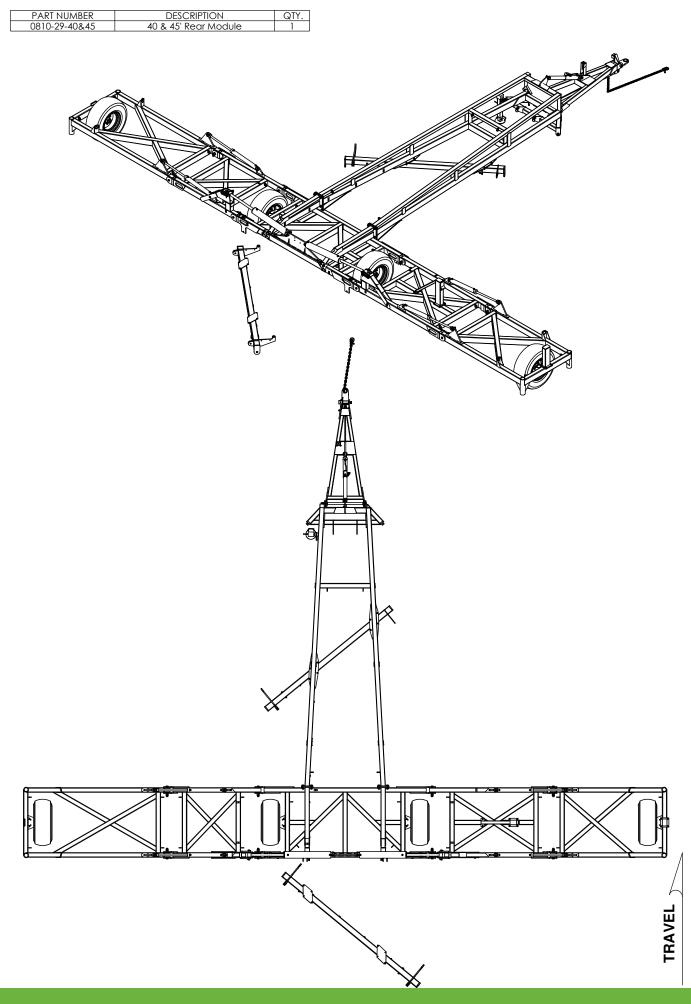


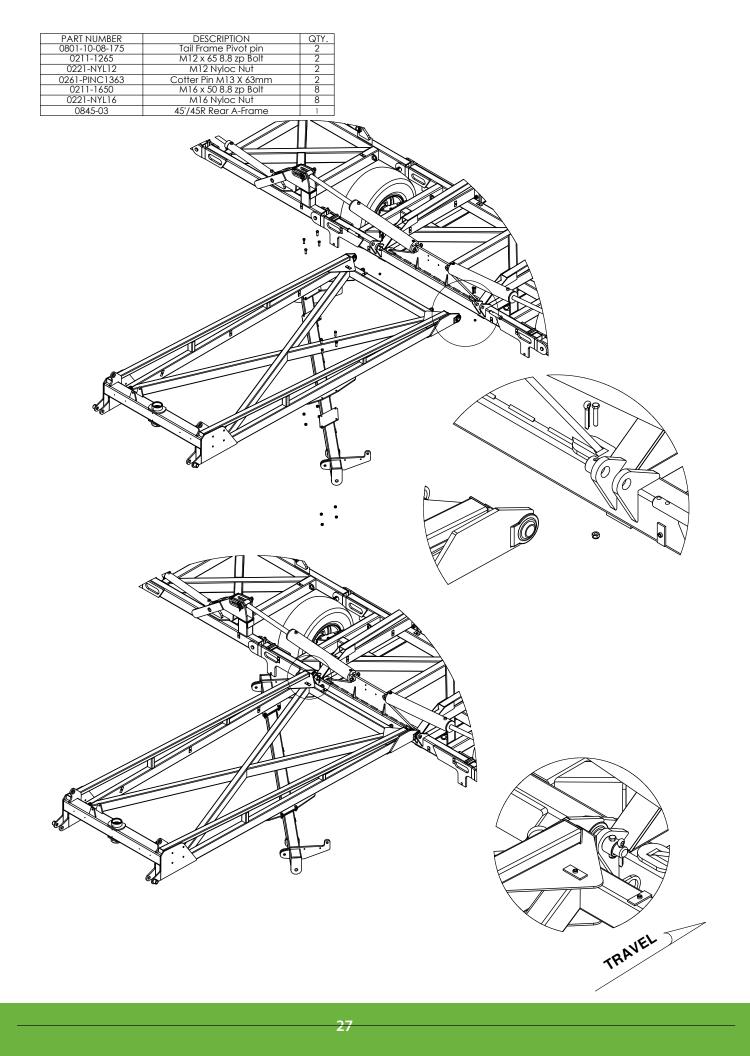


DESCRIPTION	QTY.
Tow Hitch	1
Parrallel Arm	1
Hardened Tow Hitch Bush 2 1/4"	1
Tow Hitch Pin	1
Circlip External 82mm	1
Clevis Pin 25mm x 75mm	2
M12 x 65 8.8 zp Bolt	2
	2
M12 zp Flat Washer	2
Cotter Pin M5 x 50	2
Safety Chain Assembly	1
	Tow Hitch Parrallel Arm Hardened Tow Hitch Bush 2 1/4" Tow Hitch Pin Circlip External 82mm Clevis Pin 25mm x 75mm M12 x 65 8.8 zp Bolt M12 Nyloc Nut M12 zp Flat Washer Cotter Pin M5 x 50



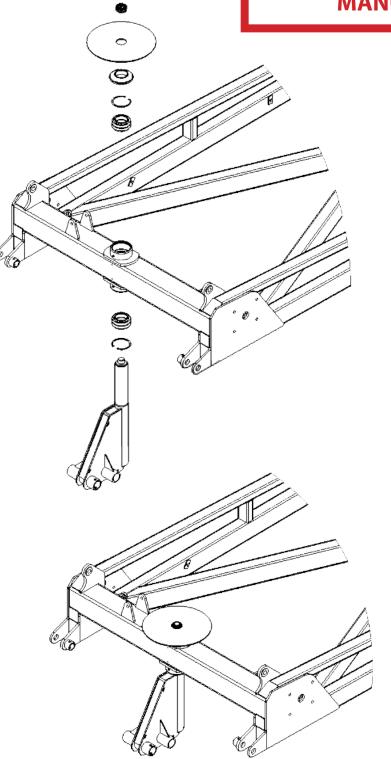






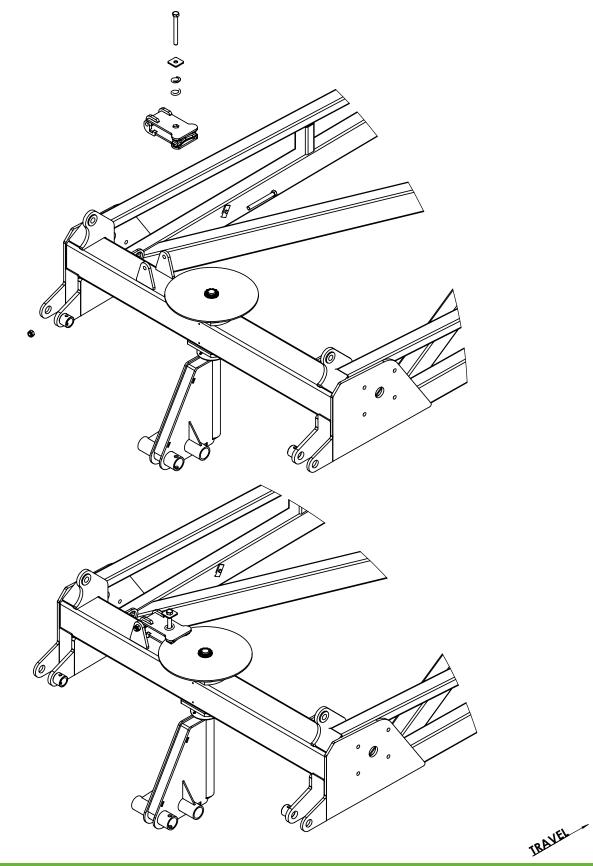
PLEASE REFER TO ASSEMBLY UPDATE 035 IN THE BACK OF THE MANUAL

- li	TEM NO.	PART NUMBER	DESCRIPTION	QTY.
Γ	1	0113-GE70DO-2RS	Plain Spherical Bearing 70mm	2
Γ	2	0171-J105	Circlip Internal 105mm	2
Γ	3	0181-GN1-4	Grease Nipple 1/4" UNF	2
	4	0800-02.1	Brake Disc	1
Γ	5	0801-KE0705-13	70mm Polymer dust cap	1
	6	0801-LOCK01-35	35mm Shaft Lock Clamping Element 01	1
	7	0810-11-70	70mm Jockey Wheel	1

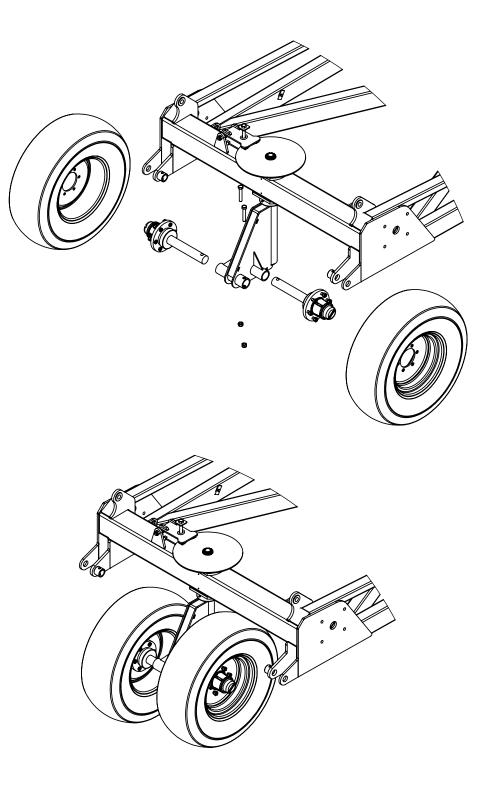




ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	0211-16150	M16 x 150 grade 8.8 zp Bolt	2
2	0221-NYL16	Nyloc Nut M16	1
3	0231-SQ16505	Washer Square M16 x 50 x 5	1
4	0801-KE009	Brake Compression Spring	1
5	0810-12CAL	Jockey Wheel Brake Caliper	1

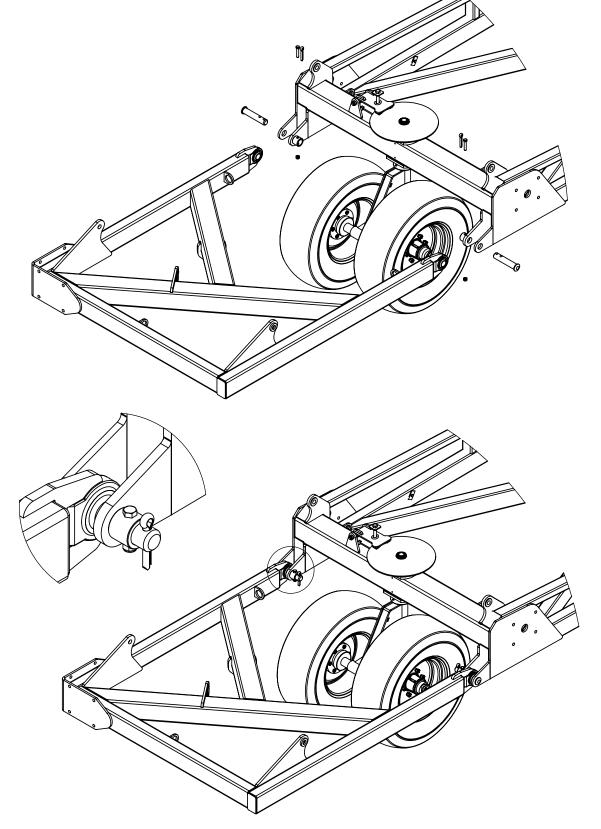


ſ	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	1	0211-1690	M16 x 90 grade 8.8 zp Bolt	2
ſ	2	0221-NYL16	Nyloc Nut M16	2
	3	0733-K5083T66S	Axle 2"R 3T 6 on 6" PCD 330 OHF	2
	4	0751-11L15	11L15 F3 Tyre on 6 on 6" Stud Rim	2



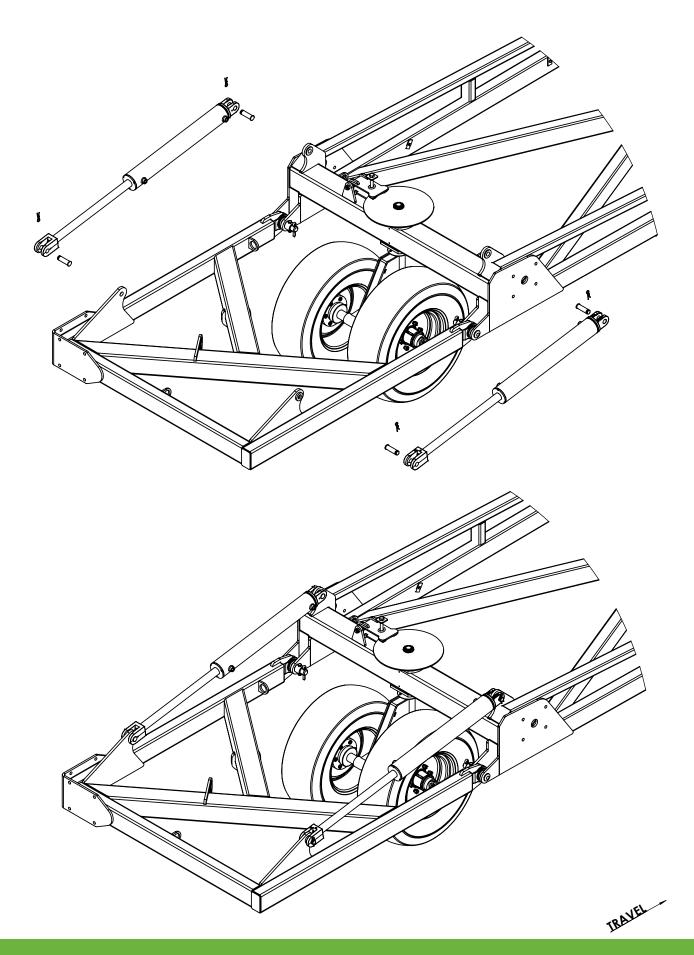


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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	0211-1265	M12 x 65 grade 8.8 ZP Bolt	2
2	0221-NYL12	Nyloc Nut M12	2
3	0261-PINC1363	Cotter Pin M13 x 63	2
4	0801-10-08-175	Tail Frame Pivot pin	2
5	0810-10E	Extended Tip Rear Tail	1

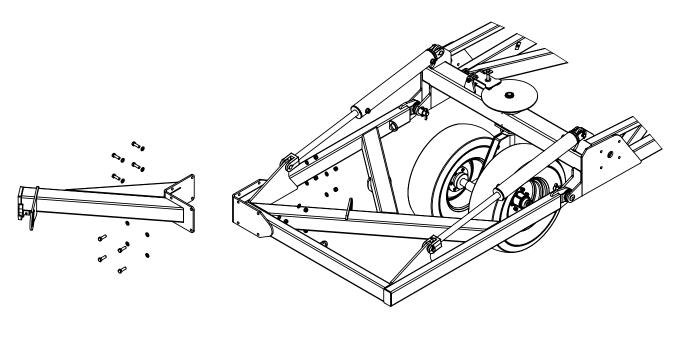


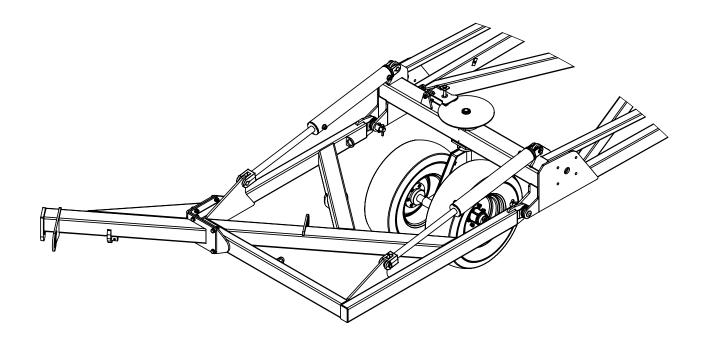


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	0311-3524SP	3.5" Bore 24" Stroke 1.75" Rod Hydraulic Cylinder	2



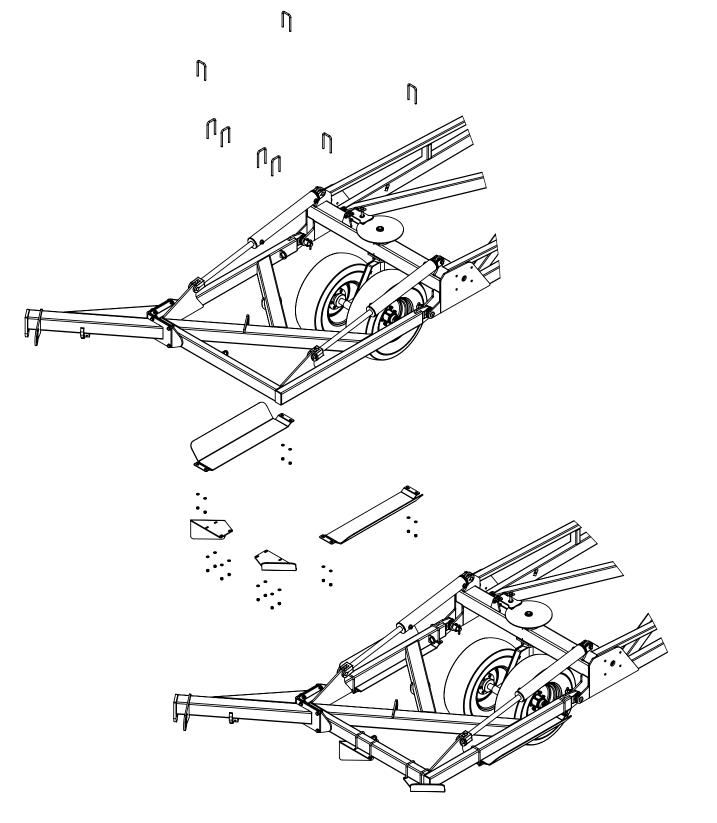
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	0211-1650	M16 x 50 grade 8.8 zp Bolt	8
2	0221-NYL16	Nyloc Nut M16	8
3	0231-F16	Washer Flat M16	16
4	0810-10ET	Extended Tip Tail Bolt On Tip	1



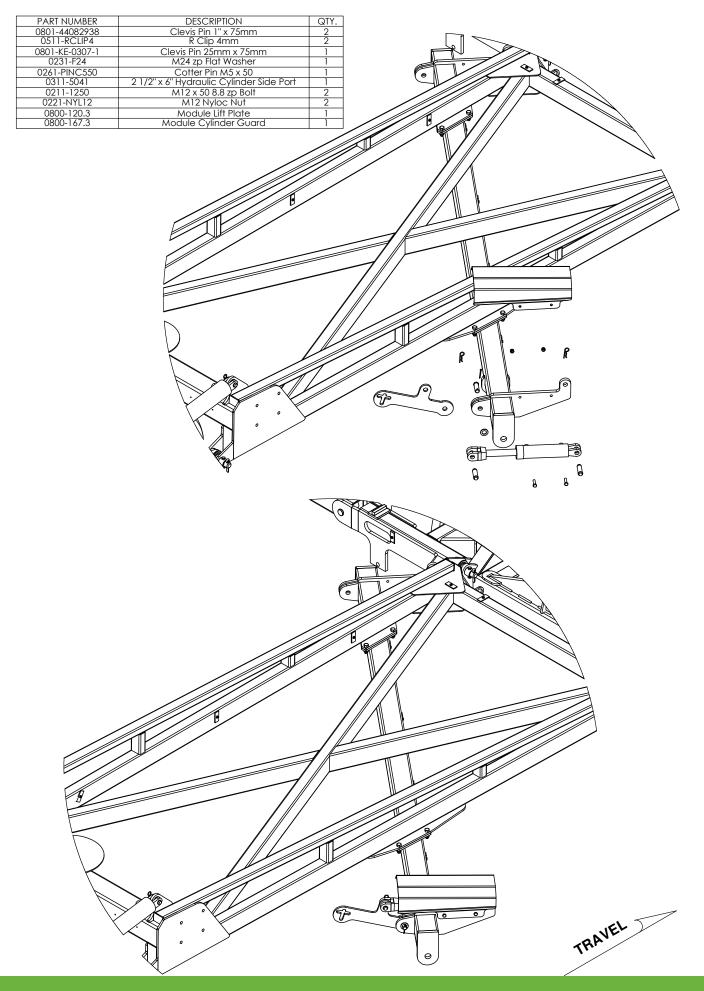


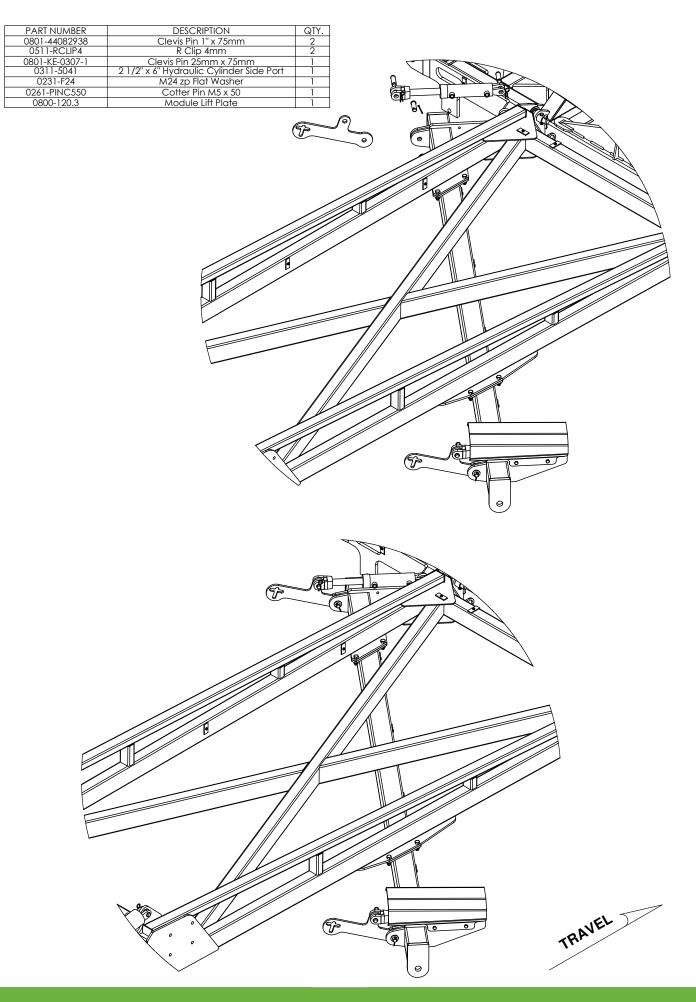


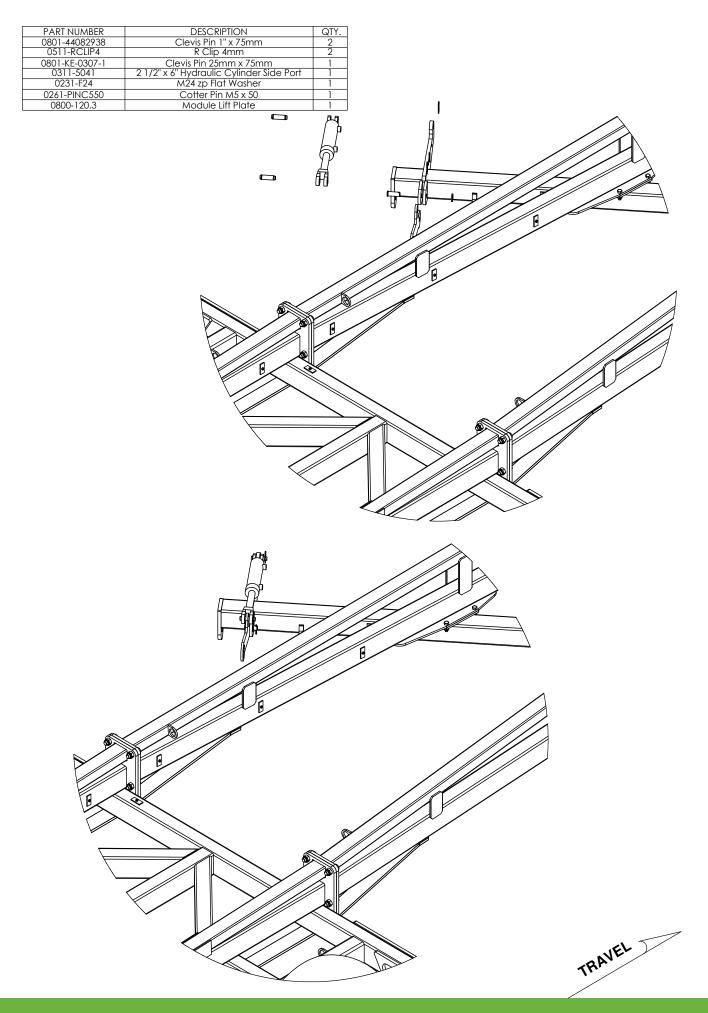
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	0221-NYL12	Nyloc Nut M12	16
2	0231-F12	Washer Flat M12	16
3	0271-1215577	U-Bolt M12 x 155 Deep x 77 Wide	8
4	0800-220.1	Tail Chain Stop Guard	1
5	0800-235	Rear Tail Guard	2
6	0800-498	Angled Chain Gaurd	1











PART NUMBER	DESCRIPTION	QTY.]
0231-F12	M12 Flat Washer	8	
0810-17-45	45' Chain Carrier Beam	1	
0810-17L	Chain Carrier Bolt on End	2	1
0215-CH1240	M12 x 40 Coach Head Bolt	8]
0221-NYL12	M12 Nyloc Nut	8	1

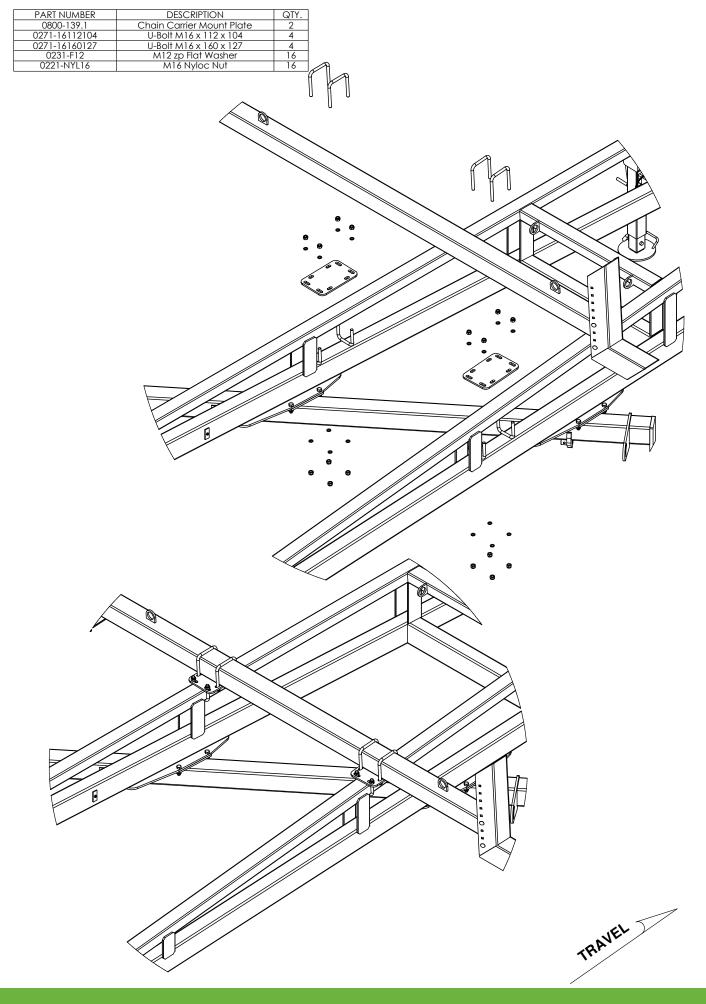
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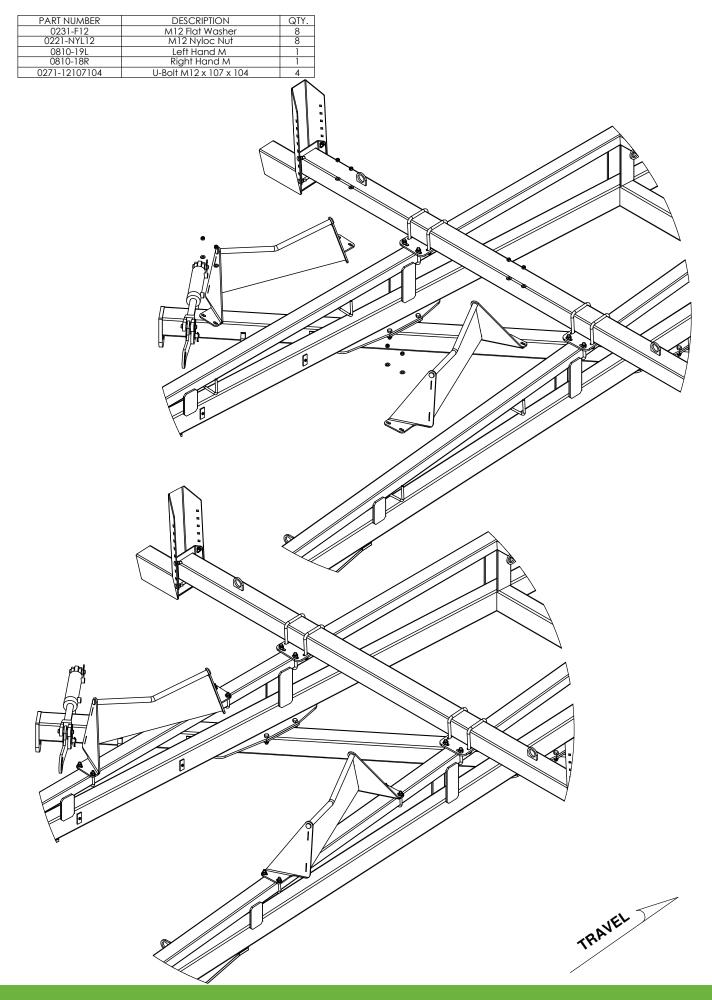
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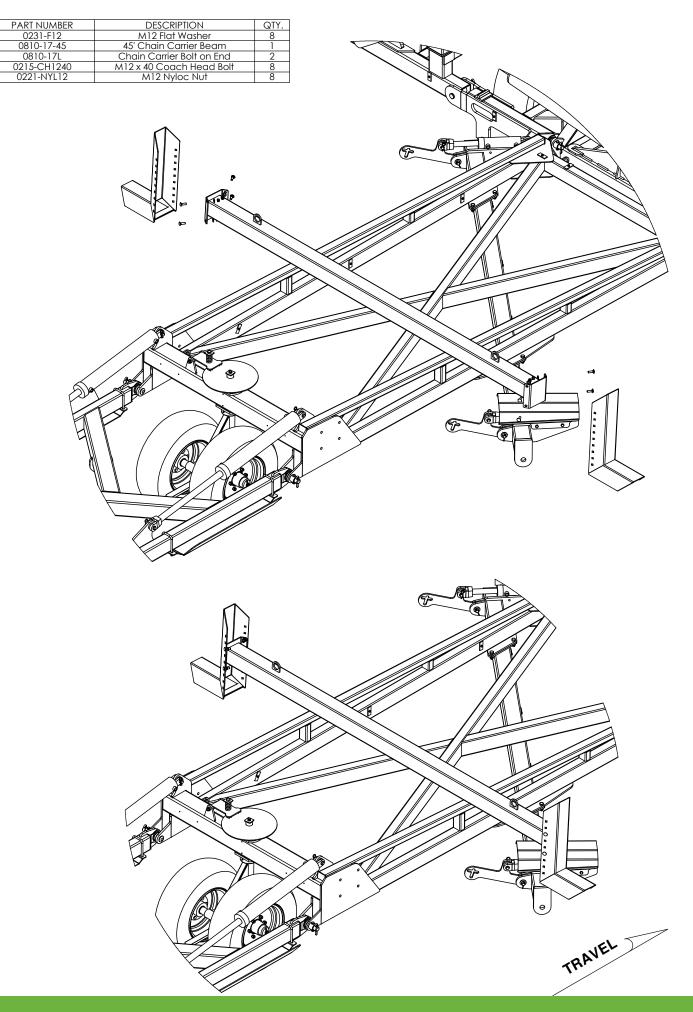


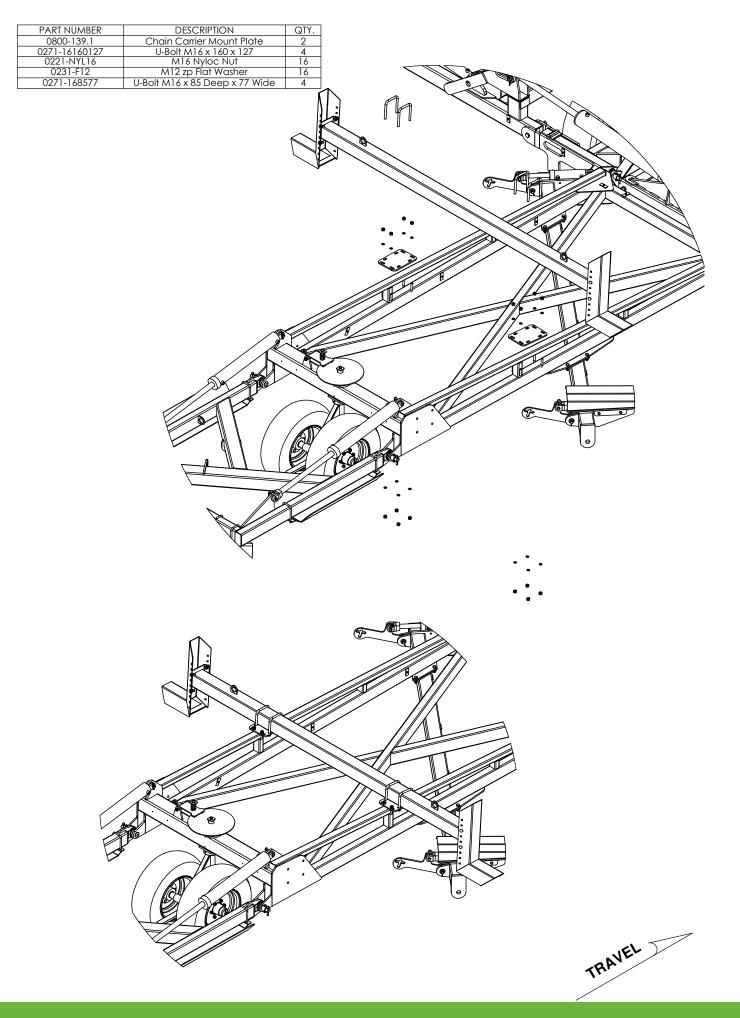
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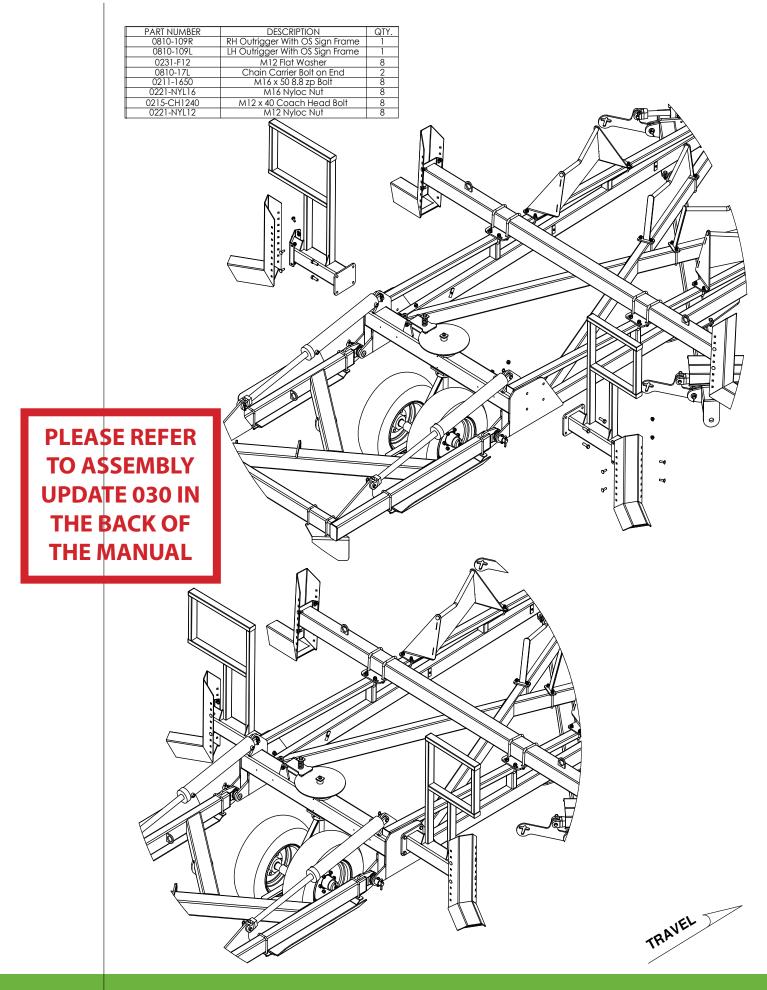


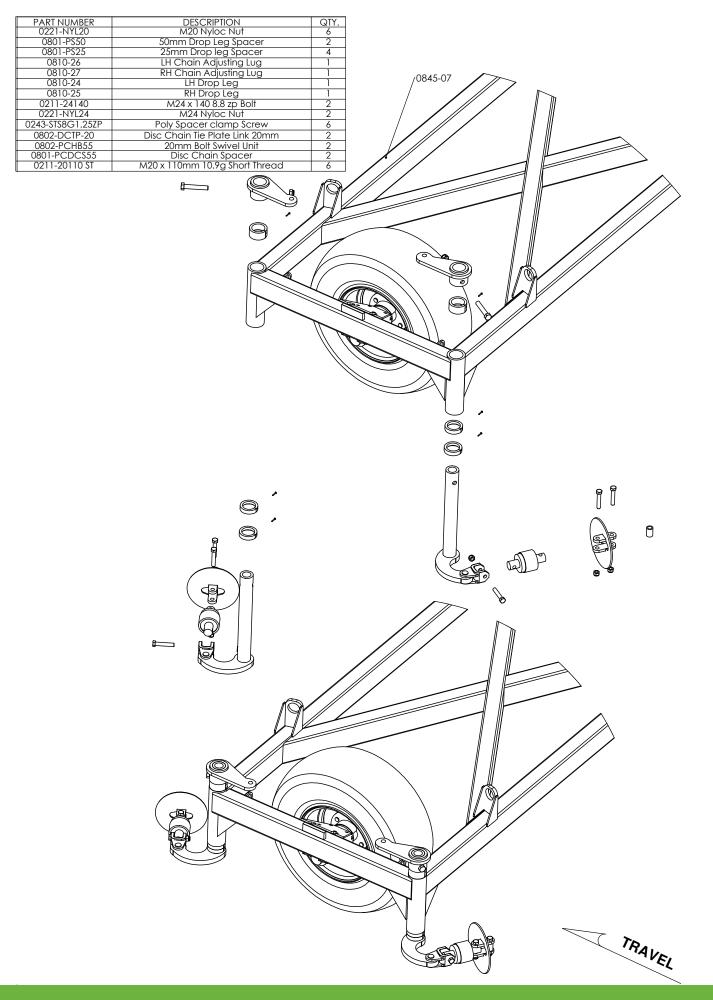


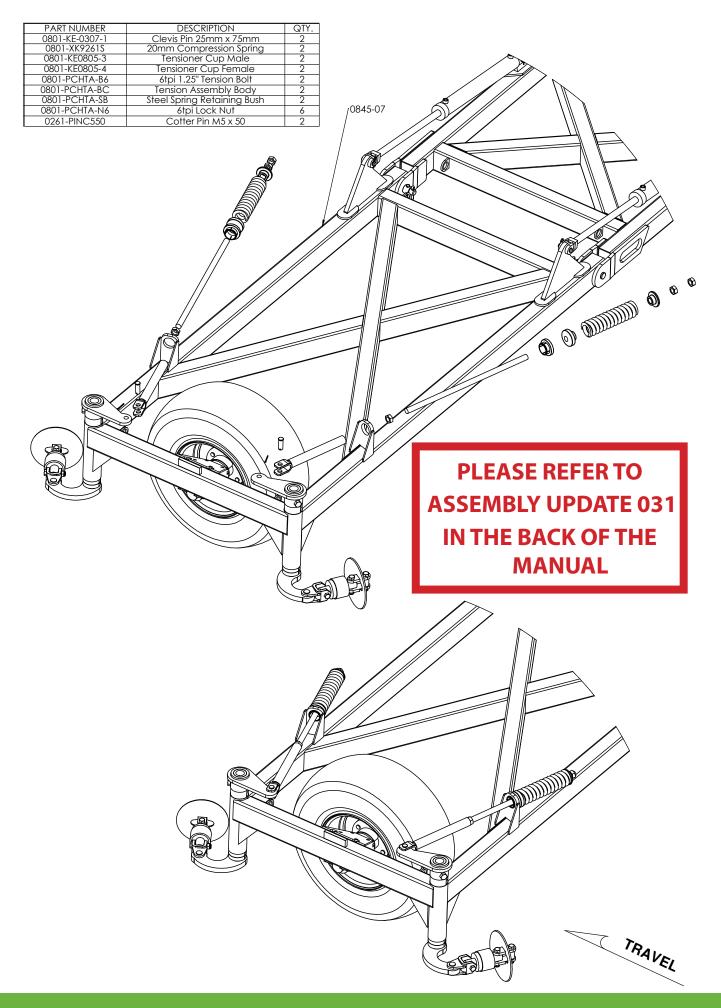


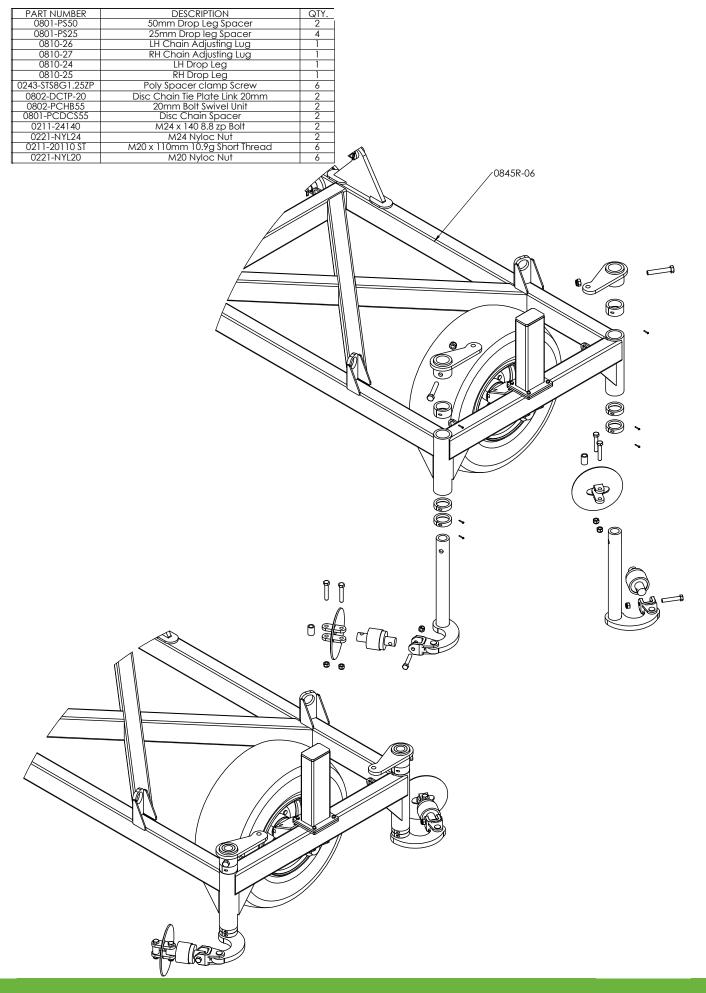


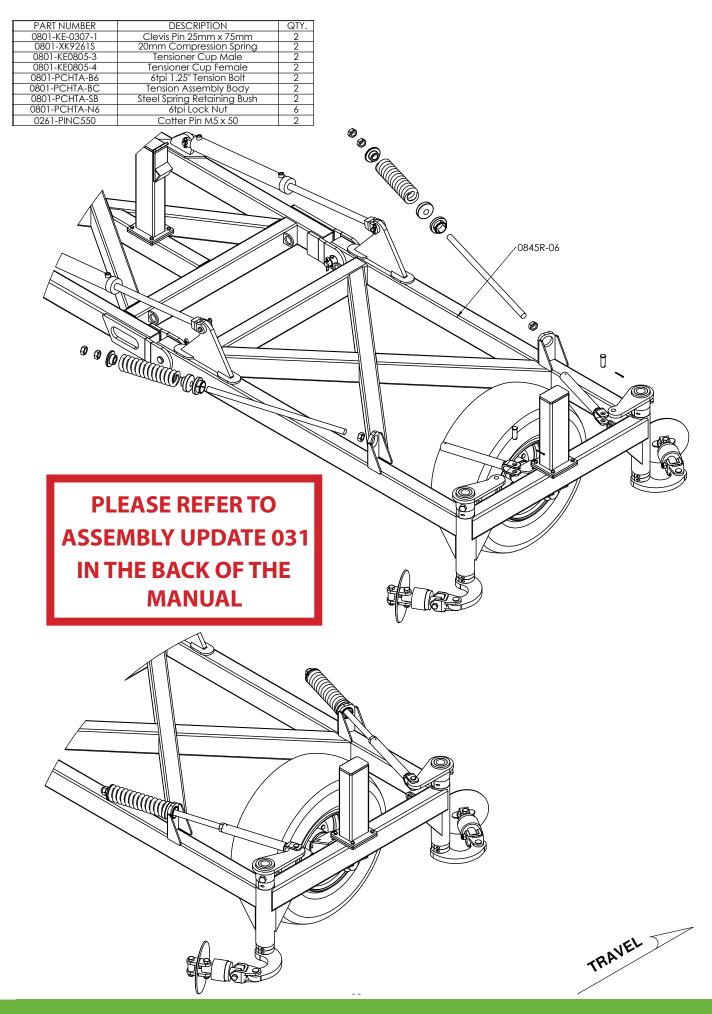
PART NUMBER DESCRIPTION QTY. PC10-19 Rear frame M 2 0271-1215577 U-Bolt M12 x 155 x 77 4 0231-F12 M12 zp Flot Washer 16 0221-NYL12 M12 Nyloc Nut 16 0810-19L Left Hand M 1 0271-128577 U-Bolt M12 x 85 Wide x 77 Deep 4	
	TRAVEL

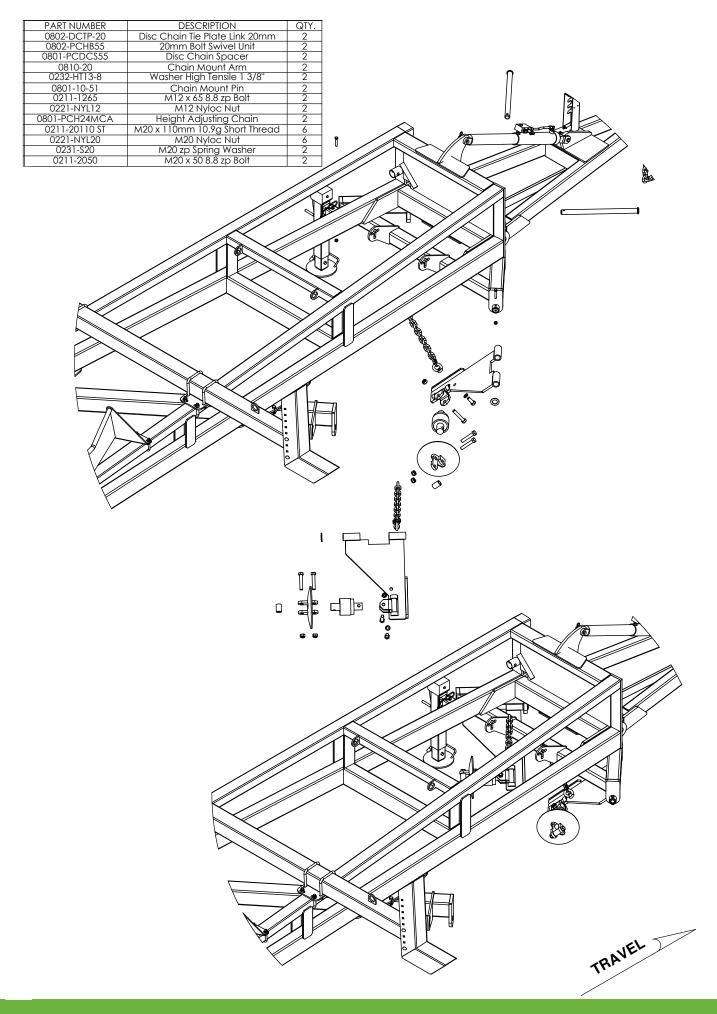


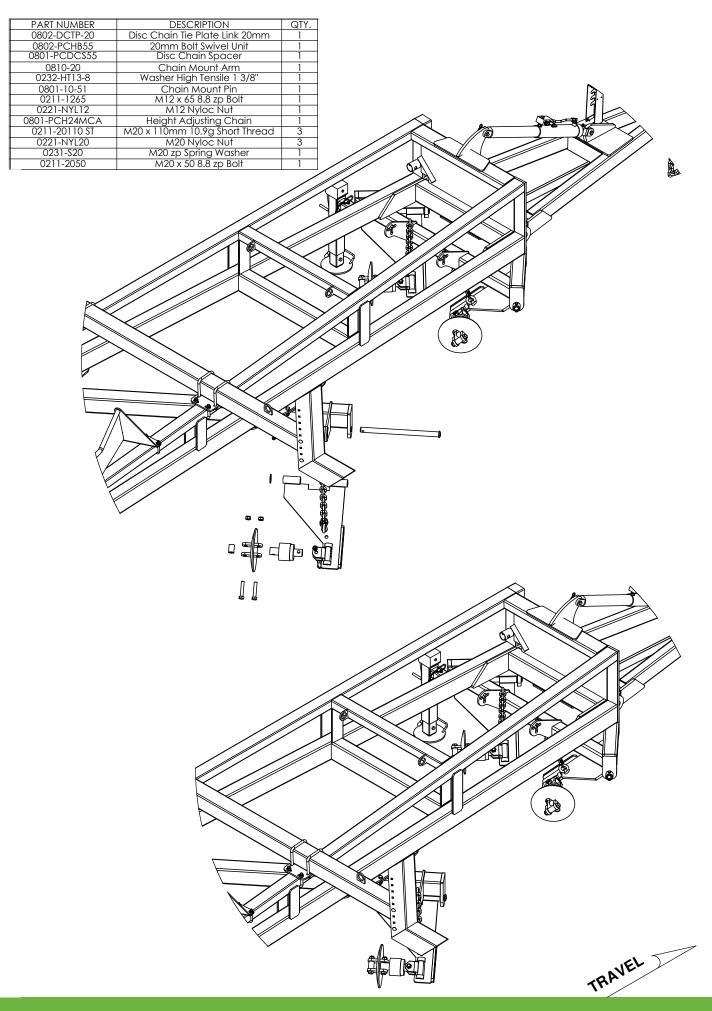


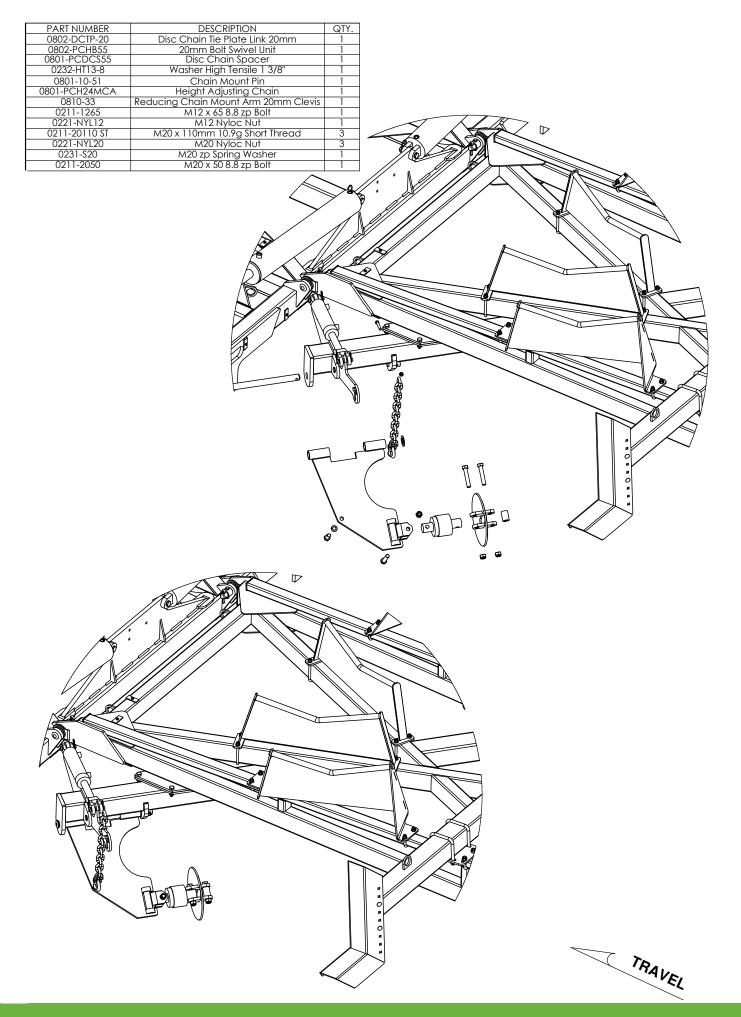


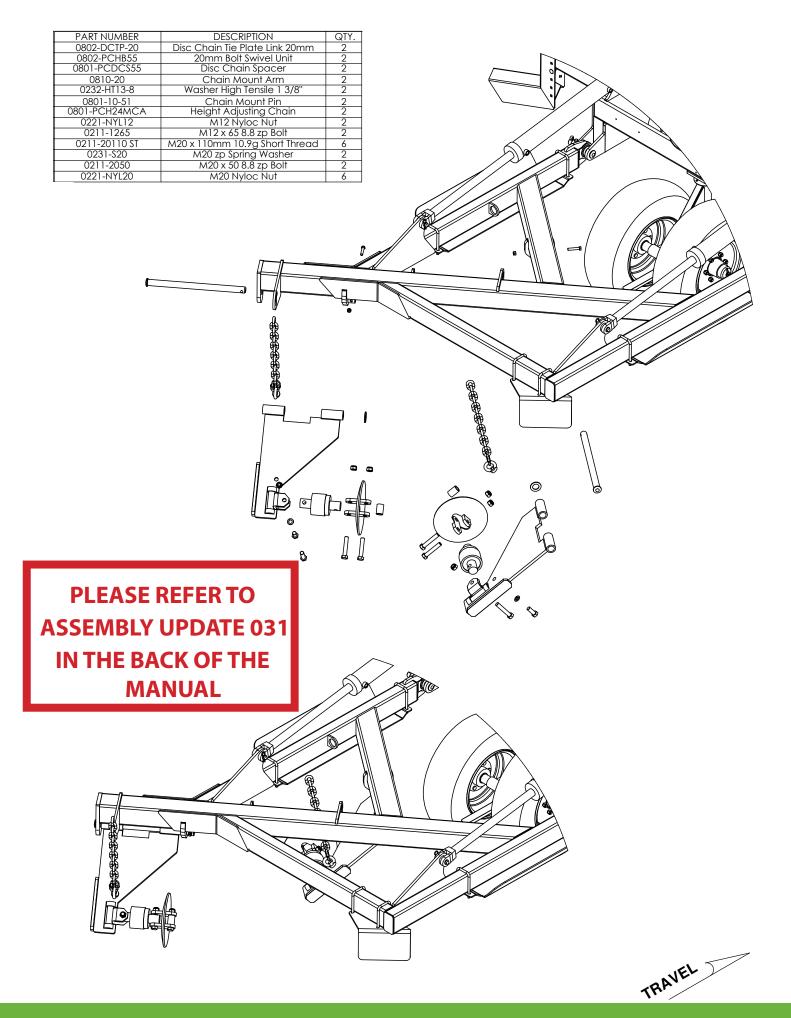








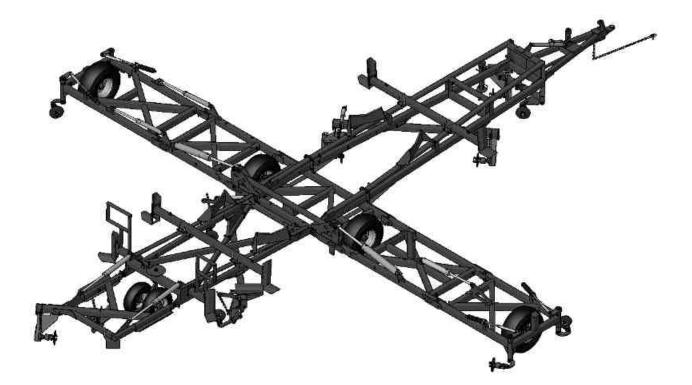


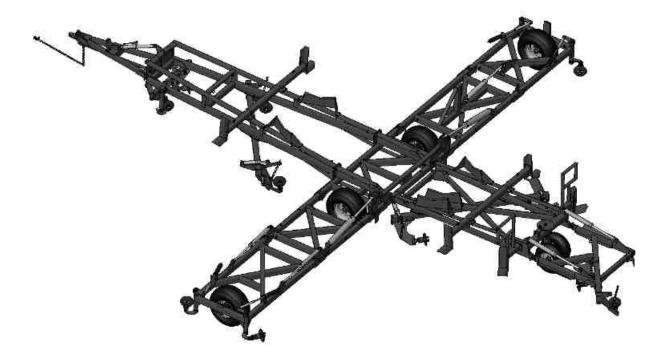


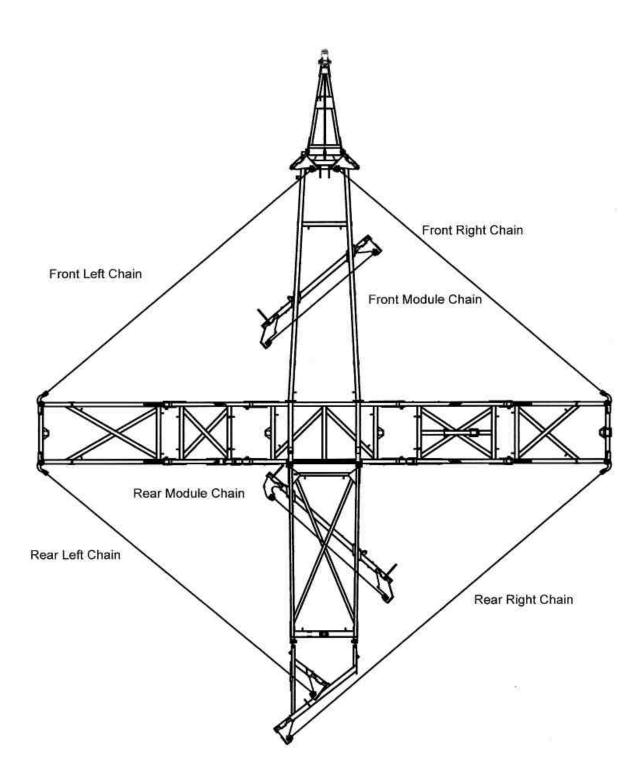
PART NUMBER 0113-MB 3550DX	DESCRIPTION 35 ID x 50mm DX Bush	QTY. 2	
0801-KE-0307-1	Clevis Pin 25mm x 75mm	1	
0802-DCTP-20 0802-PCHB55	Disc Chain Tie Plate Link 20mm 20mm Bolt Swivel Unit		
0801-PCDCS55	Disc Chain Spacer	1	
0801-XK9261S 0801-PCHTA-SB	20mm Compression Spring Steel Spring Retaining Bush		
0801-PCHTA-N6	6tpi Lock Nut	2	
0232-HT13-8 0801-10-51	Washer High Tensile 1 3/8"		
0810-103F	Chain Mount Pin Front Module Tension Body		
0810-104-40-45 0810-105	40/45' Module Tension Arm Module Tension Linkage		
0801-PCH24MCA	Height Adjusting Chain		
0801-10-S2L	Rigid Spring Locator		
0261-PINC550 0801-10-110	Cotter Pin M5 x 50 Module Pivot Arm Bush		
0211-1265	M12 x 65 8.8 zp Bolt		
0221-NYL12 0211-20150	M12 Nyloc Nut M20 x 150 8.8 zp Bolt		
0211-20110 ST	M20 x 110mm 10.9g Short Thread	3	
0221-NYL20	M20 Nyloc Nut		
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PART NUMBER DESCRIPTION QTY. 0801-KE-0307-1 Clevis Pin 25mm x 75mm 1 0802-DCTP-20 Disc Chain Tie Plate Link 20mm 1 0802-PCH855 20mm Bolt Swivel Unit 1 0801-PCDC555 Disc Chain Tie Plate Link 20mm 1 0801-PCDC555 Disc Chain Tie Plate Link 20mm 1 0801-PCHTA-SB Steel Spring Retaining Bush 1 0801-PCHTA-N6 6tpi Lock Nut 2 0801-PCHTA-N8 Steel Spring Retaining Bush 1 0801-10-51 Chain Mount Pin 1 0801-10-51 Chain Mount Pin 1 0801-10-51 Chain Mount Pin 1 0801-10-521 Rigid Spring Locator 1 0801-10-521 Rigid Spring Locator 1 0801-10-521 Rigid Spring Locator 1 0211-1265 M12 x 65 8.8 zp Bolt 1 0211-1265 M12 x 65 8.8 zp Bolt 1 0211-12050 M20 x 110mm 10.9g Short Thread 3 0221-NYL12 M20 x 150 8.8 zp Bolt 1	
TRAVEL	

Section 3 Diagrams and charts





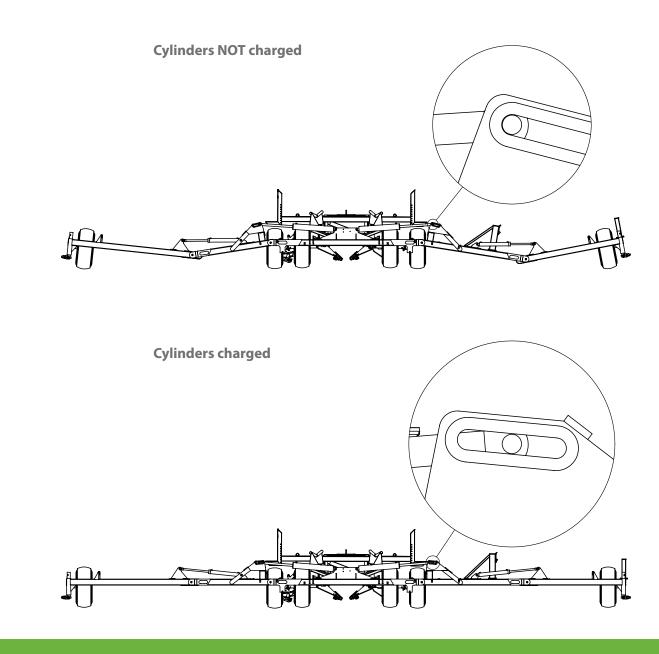


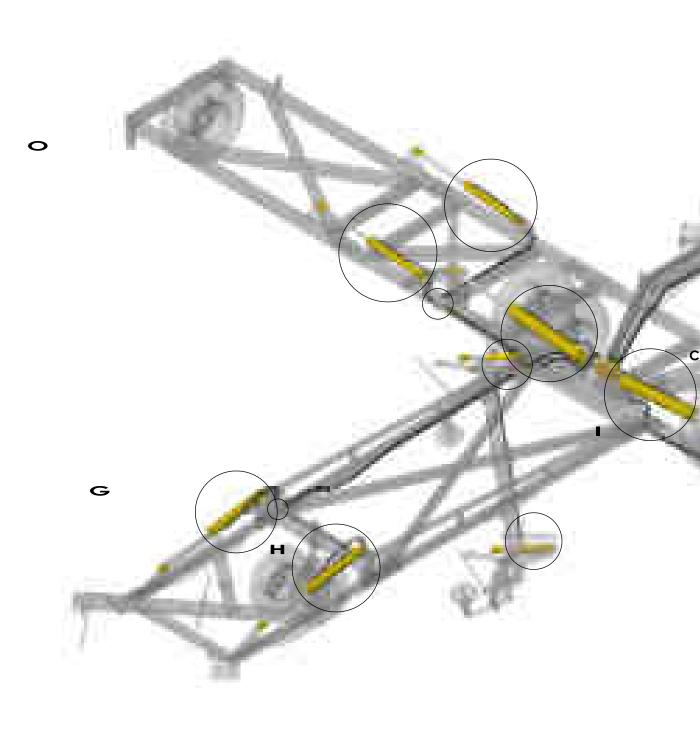


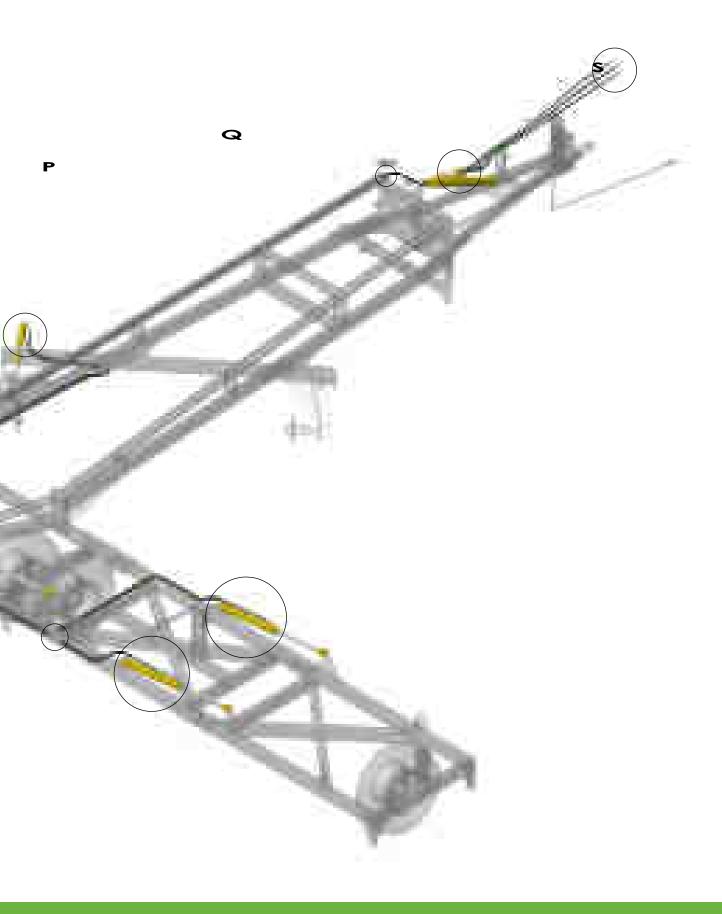
Before folding the machine for the first time, ensure all hydraulic cylinders are charged with oil.

To do this, run the hydraulics through the unfold sequence until the outer wings are straight and the centre cylinders are centred in the slots. (It may take a few minutes for the cylinders to charge completely).

Failure to do this could result in severe personal injury and/or damage to the machine.







Hydraulic Fitting Identification





0323-S91-1212













Ó324-S19-121212

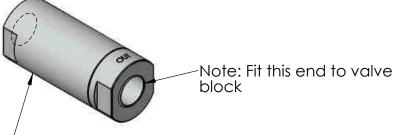




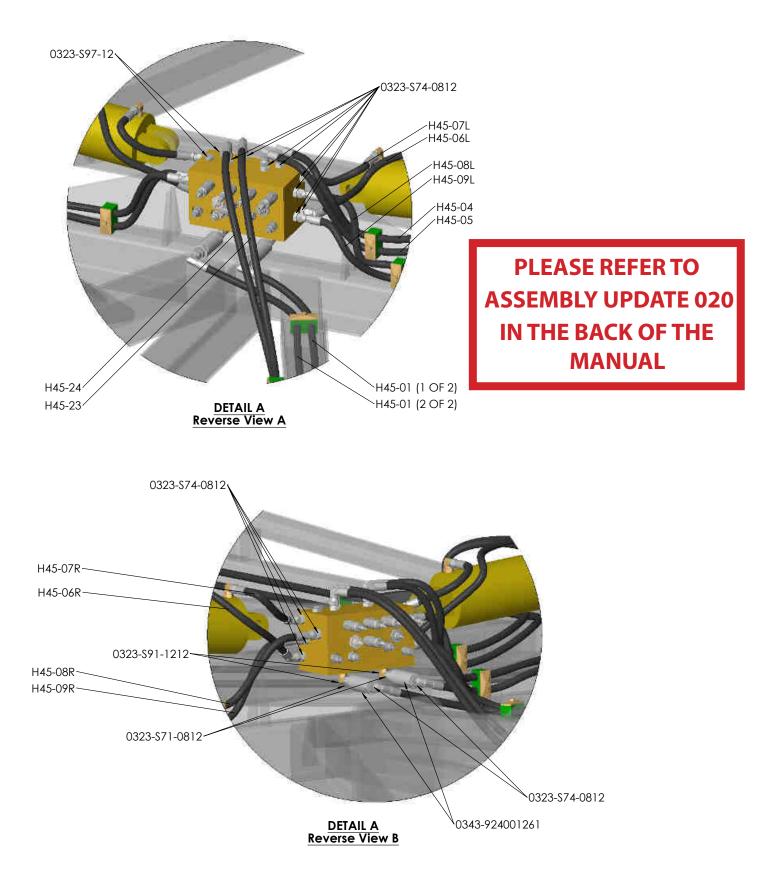


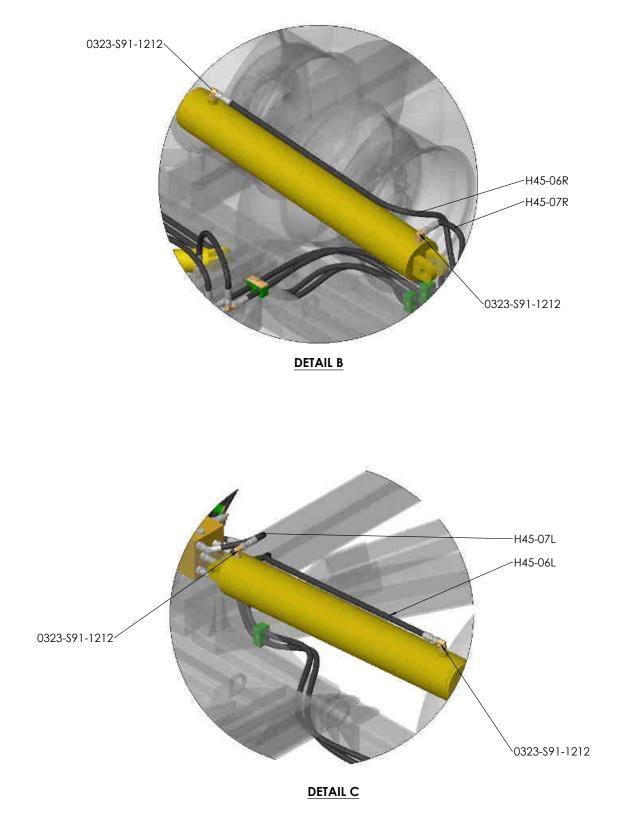
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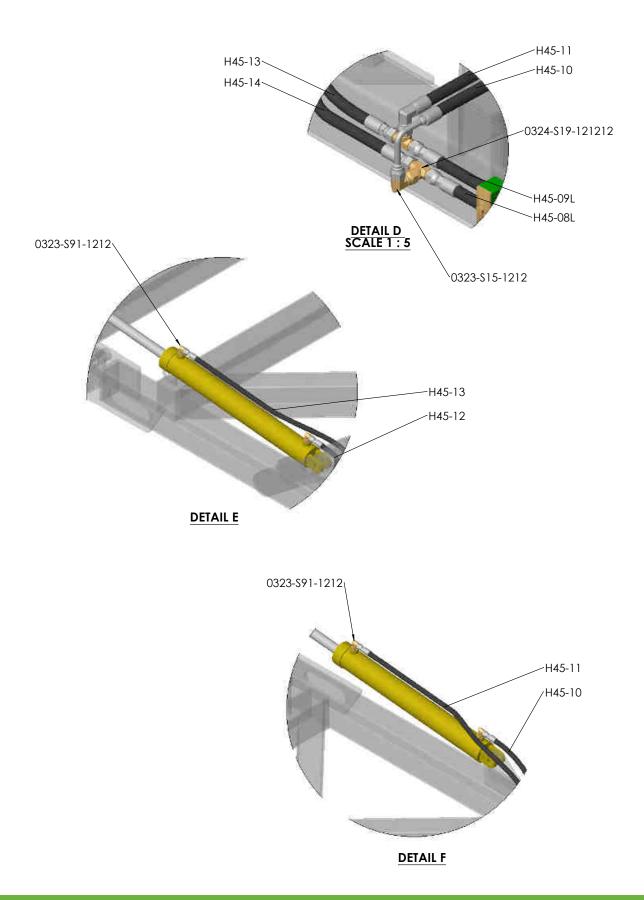


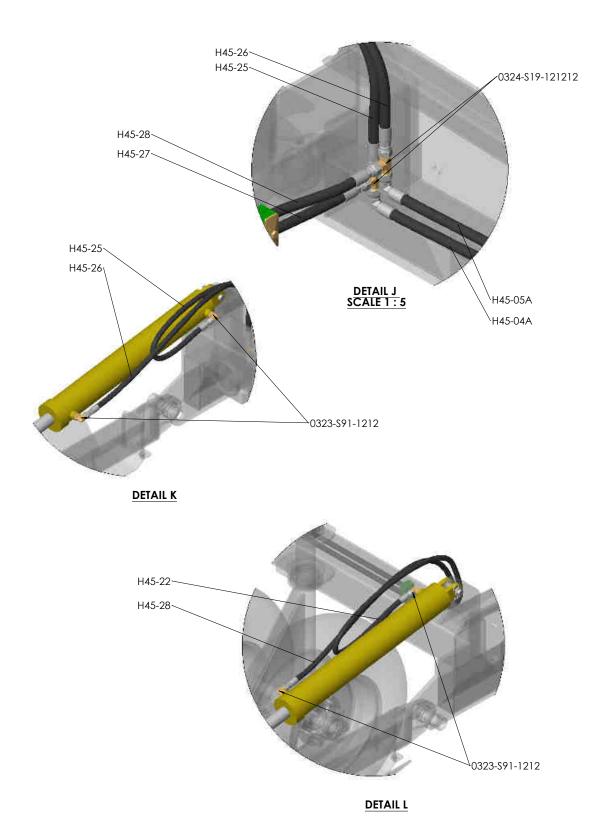


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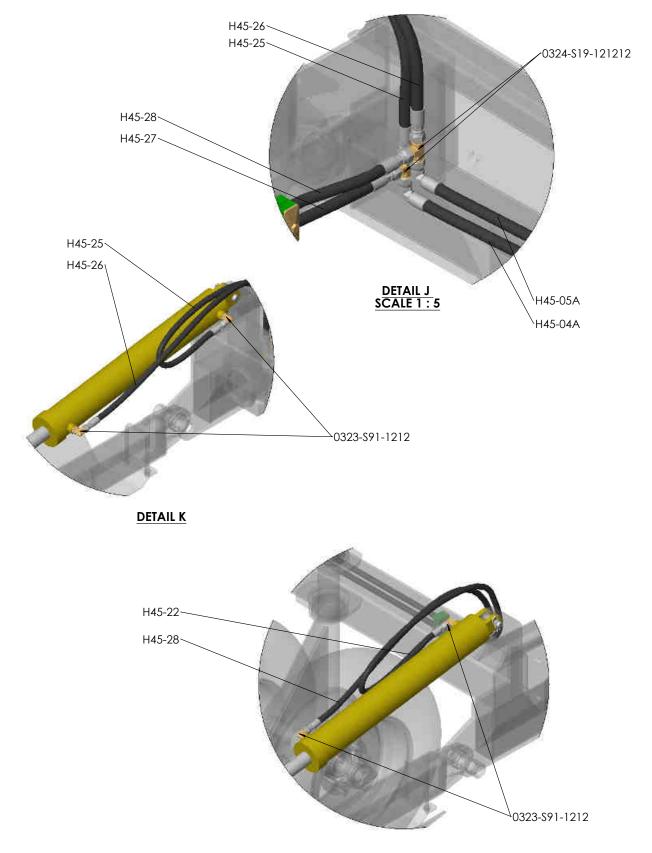






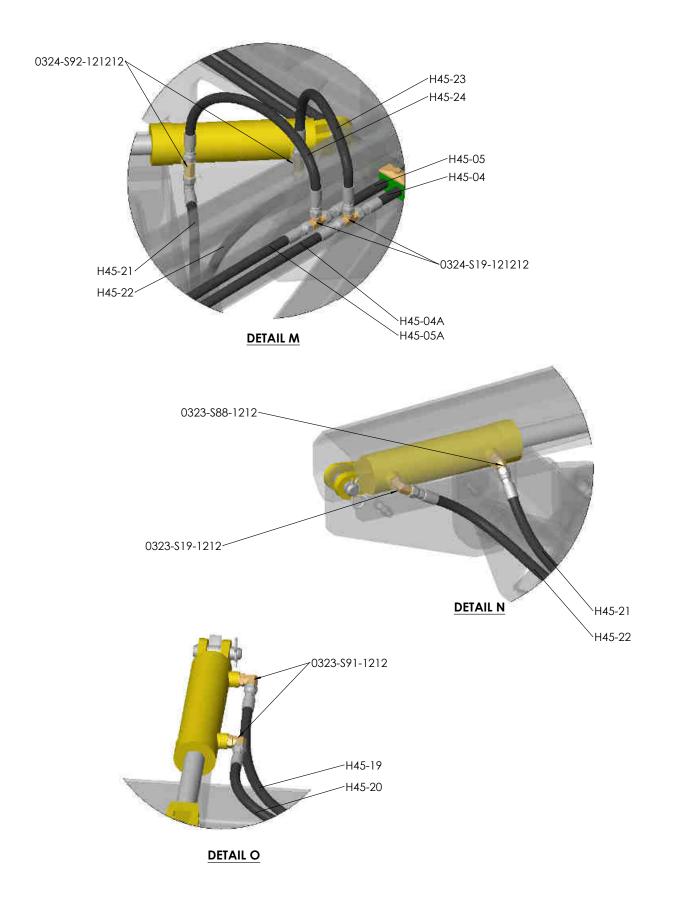
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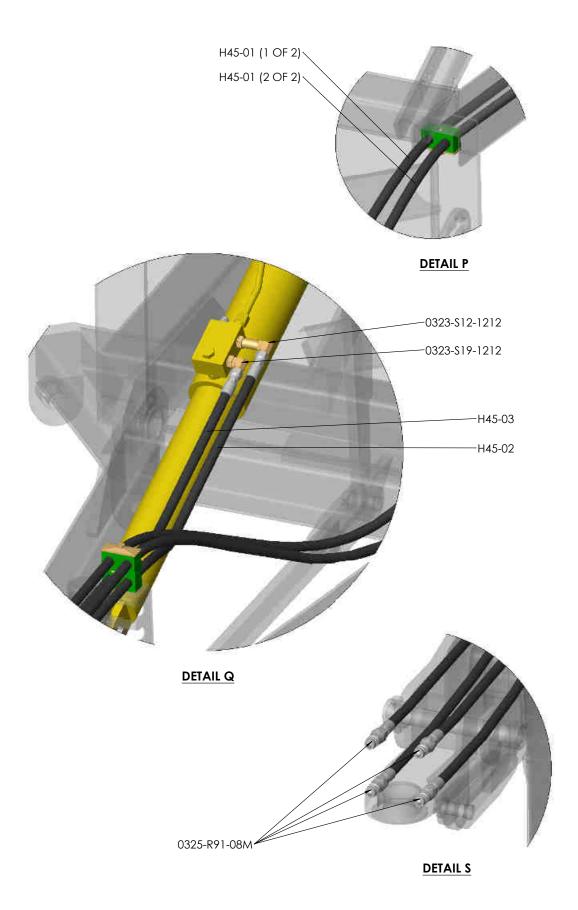
Hydraulic Detail

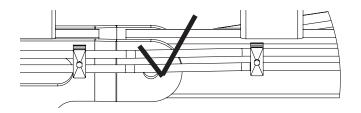


DETAIL L

Hydraulic Detail

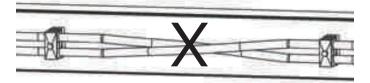




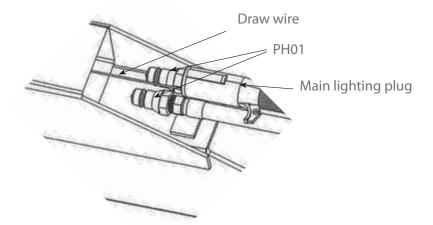


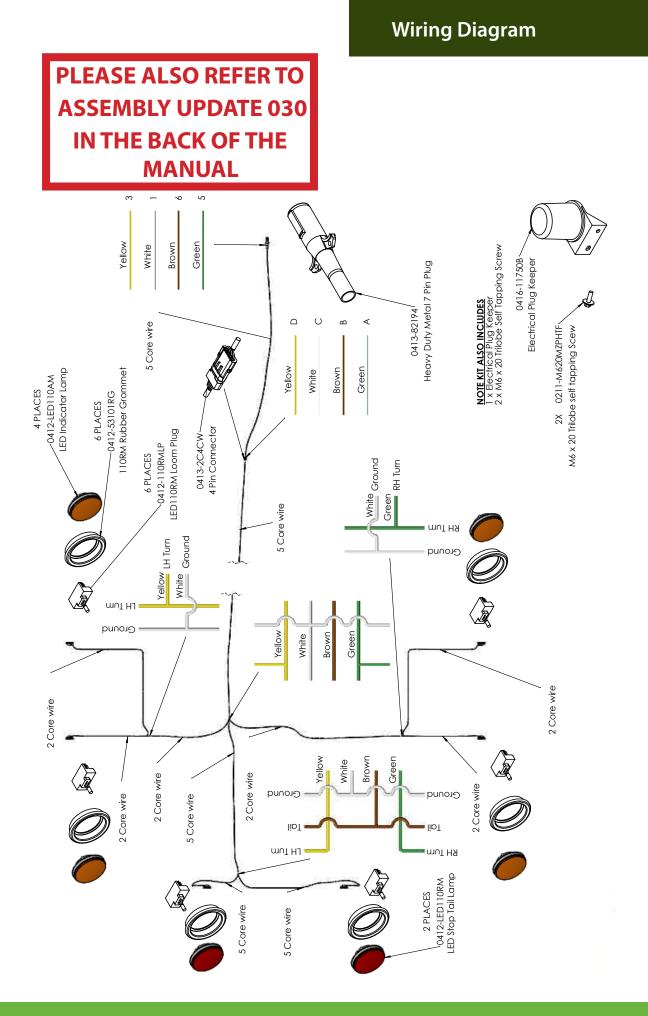
Correct layout of hoses

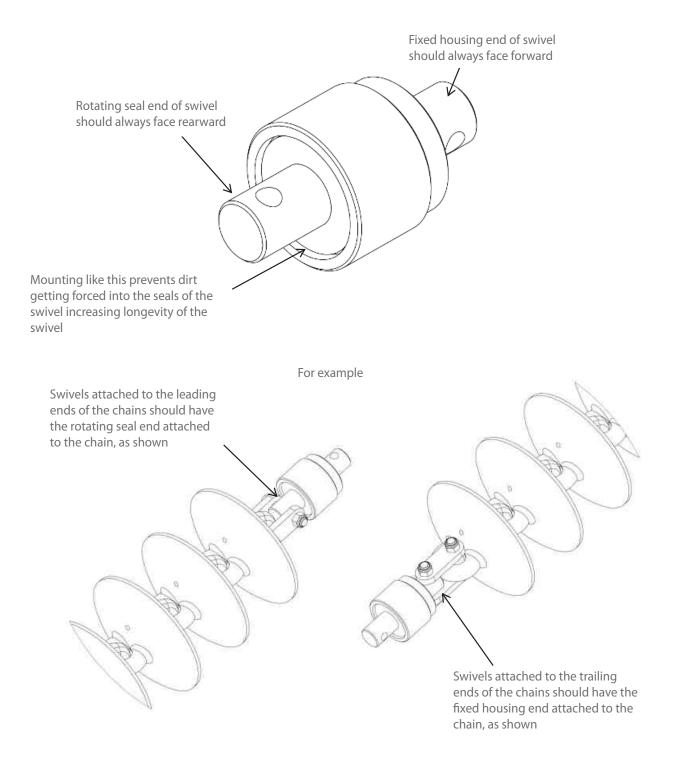




Avoid crossovers

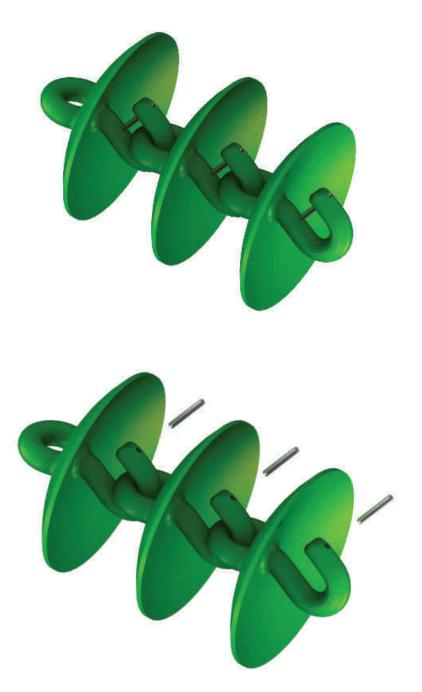






Fitting Cast Link Retaining Pins

Please install cast link retaining Pins (3/8" x 3" Roll Pin, part number 0262-3-8X3) on all cast disc links. Failure to do this could lead to the discs becoming dislodged during transport causing severe damage or injury.



Operating speeds

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

Tire pressure

Tire size	Ply	PSI	КРА
16.5L x 16.1	14	36	250
H40 x 14.5-19	26	60	410
11L - 15	10	44	300
15.5/80/24	16	58	400
16.5/85/24	16	55	380
550/60/22.5	16	40	280
400/60/22.5	16	50	350
12.5/80/18	14	85	590
15.0/70/18	14	71	490

Chain Harrow specifications

Model	45′/13.5m
Working width	43.5′/13.3m
Transport width	13.5′/4.1m
Transport height	13′/3.9m
Transport length	49.2′/15m

Bolt Torque Settings

Bolt Type		Whee	el nut			U Bolt	:		Grad	de 8.8	Bolt		Gra 10.9	ade 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

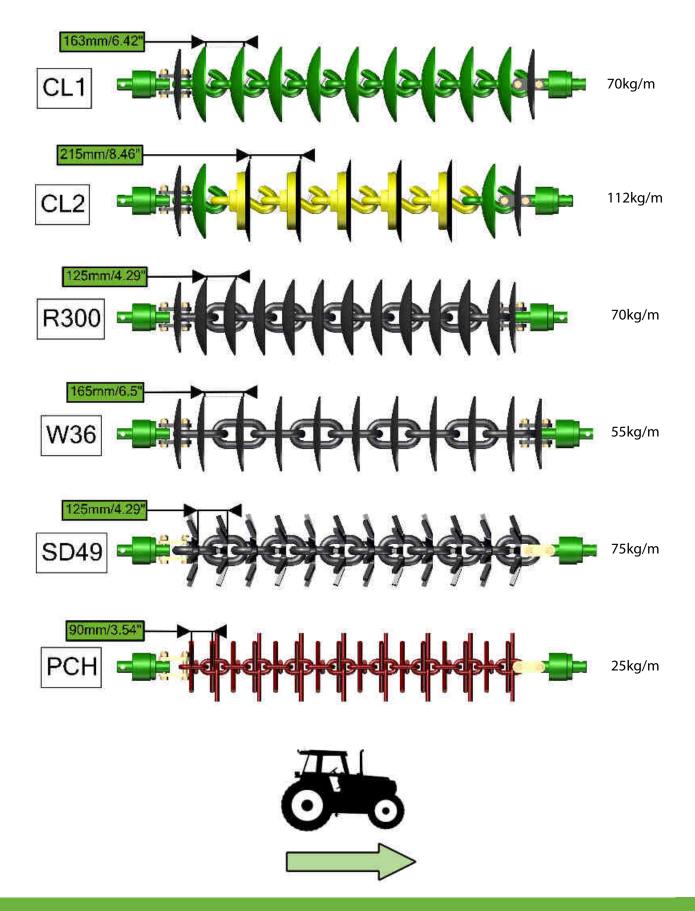
[1] When fitting a wheel & tire to a hub, do the wheel nuts up in rotation to the correct tension. To achieve this choose a wheel nut & tighten, then go clockwise to the next wheel nut & tighten & so on until all wheel nuts are tight. Then repeat the procedure to check that all nuts are tight. Do not 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

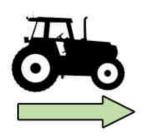
Mod	lel	Length	CL2	CL1	W36	R300	SD49	Prickle Chain
			CL2 disc chain also requires CL1 disc chain					
45 ′	Front right	26.6′/8.1m	CL2 - 35 CL1 - 2	49	48	64	64	89
	Front left	26.6′/8.1m	CL2 - 35 CL1 - 2	49	48	64	64	89
	Rear right	33′/10.1m	CL2 - 34 CL1 - 14	63	62	82	82	114
	Rear left	26.6′/8.1m	CL2 - 57 CL1 - 2	50	50	66	66	91
	Modules front	8.9′/2.7m	CL2 - 10 CL1 - 3	17	17	22	22	31
	Modules rear	8.9′/2.7m	CL2 - 11 CL1 - 2	17	17	22	22	31

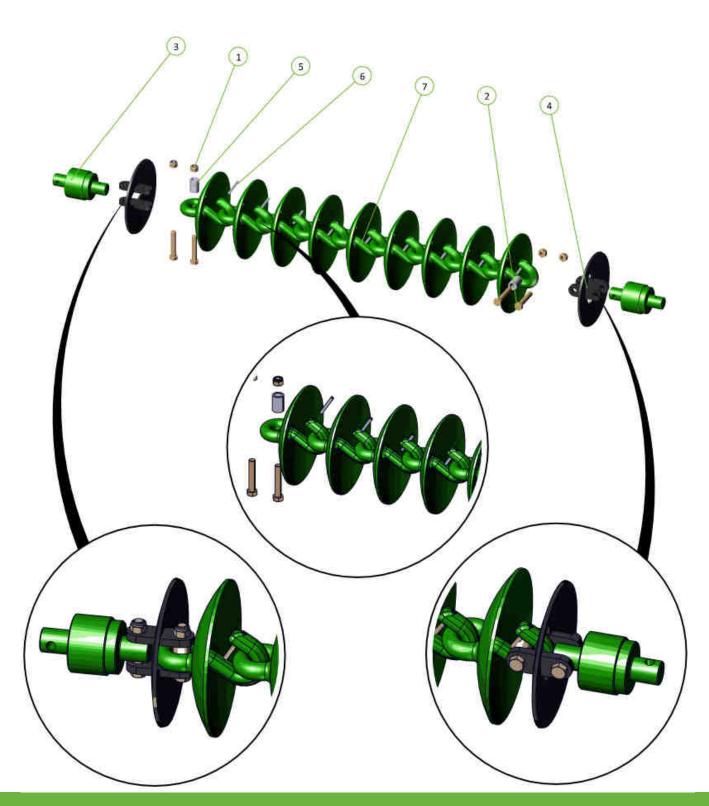
Section 4 Chain Assembly



CL1 Disc Chain

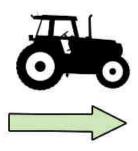
Item No.	Description	Number	Qty
1	Nyloc Nut M20/24	0221-NYL20/24	4
2	M20 x 110 / M24 x 120 grade 10.9 2P Short Thread Bolt	0211-20110ST/0211-24120ST	4
3	20/24mm Bolt Swivel Unit	0802-PCH855 / 0802-PCH8553	2
4	Disc Chain Tie Plate Link 20mm / 24mm	0802-DCTP-20 / 0802-DCTP-24	2
S	Tie Plate Bush	0801-PCDCS55	2
6	Roll Pin Zinc Plated 3/8" x 3"	0262-3-8X3	1
7	CL1-B Chain Disc Link	0803-CL1	1

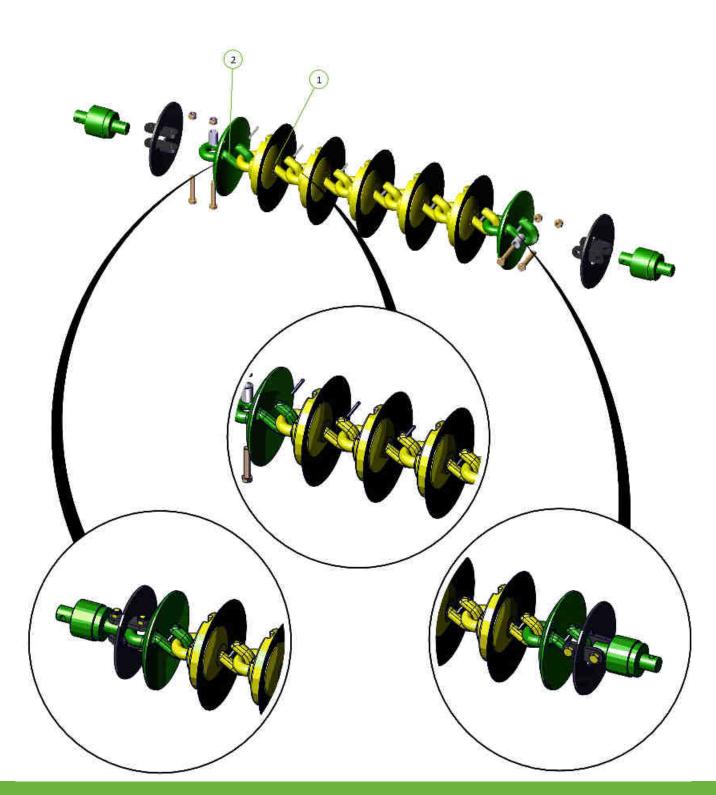


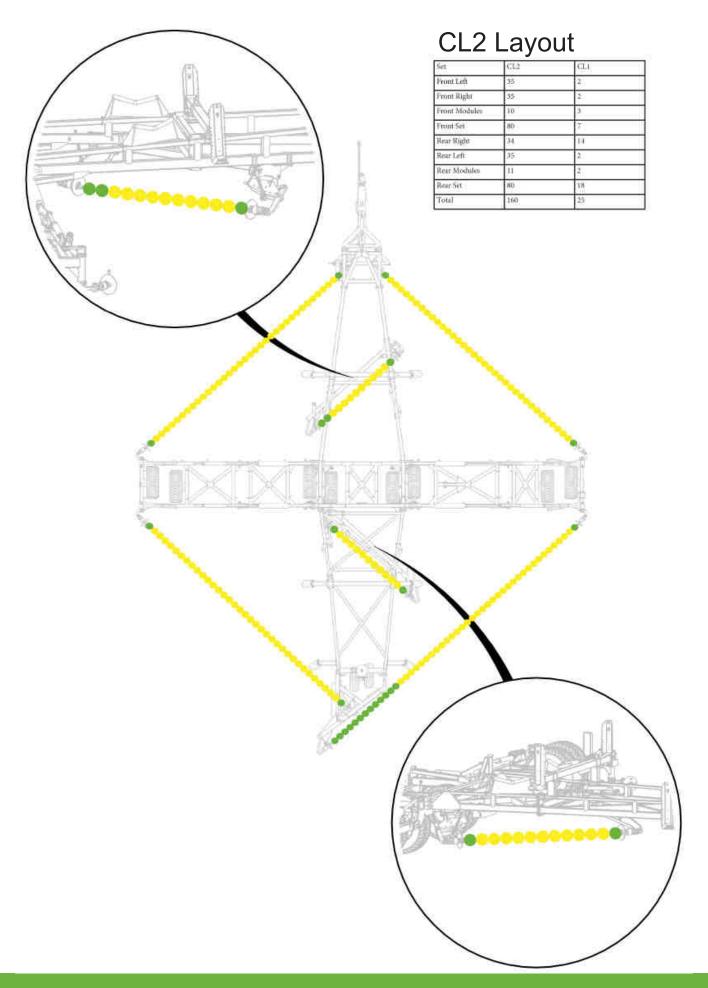


CL2 Disc Chain

Item No.	Description	Number	Qty
1	0803-CL2-Link Assembly	0803-CL2	1
2	CL1-B Chain Disc Link	0803-CL1	1



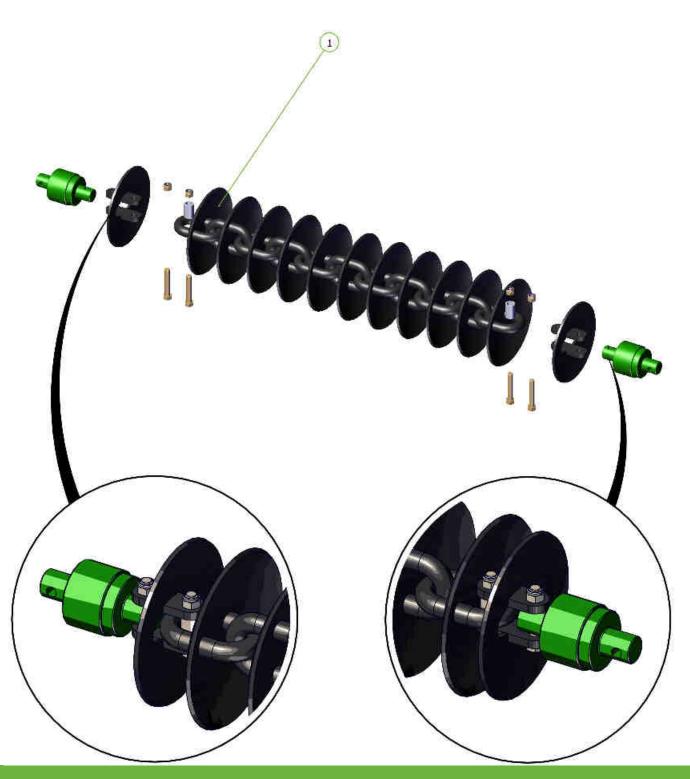




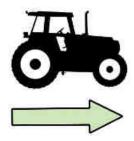
R300 Disc Chain

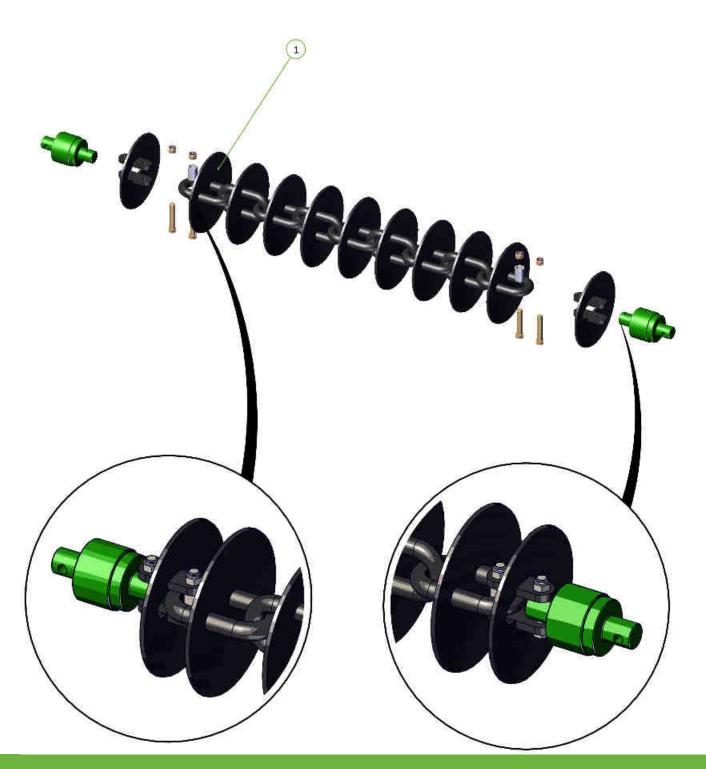
Item No.	Description	Number	Qty
1	R300 Chain Link	0803-R300	1





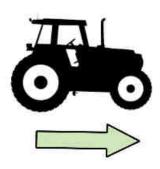
W36 Disc Chain			
Item No.	Description	Number	Qty
1	W36/25 Chain Link	0803-W36	1

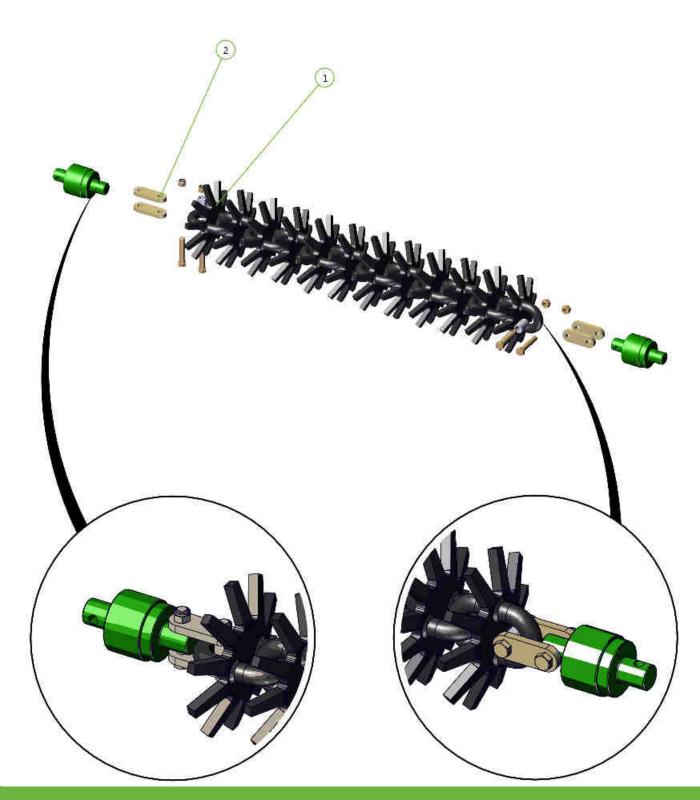




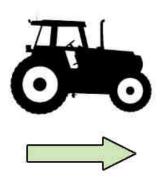
Spike Disc Chain

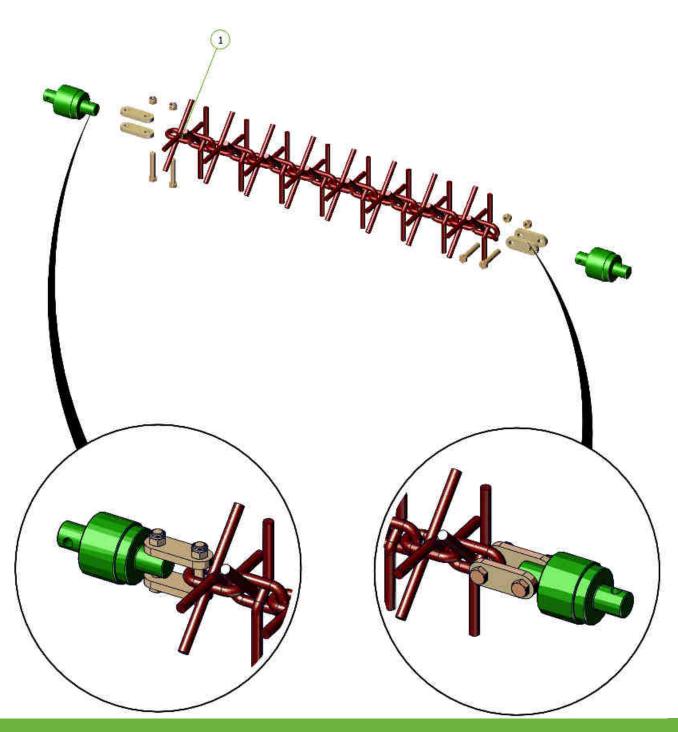
Item No.	Description	Number	Qty
1	10 Spike Disc Chain 49/27/5	0803-SD49	1
2	Tie Plate For 20mm Bolt/ Tie Plate For 24mm Bolt	0800-83.2 / 0800-83.3	4





Pr	ickle Cha	in	
Item No.	Description	Number	Qty
1	Prickle Chain Link	0803-PCH	1





Section 5 Operation

Basic Operation

Unfolding:

- 1. Walk around and inspect the machine.
 - a. Check that chains are not hooked on framework
 - b. Check swivel bolts are in place and not broken
 - c. Check that height adjusting chains have not fallen out of their slotted plates during transport.
- 2. Lower front A frame to working height.
- 3. Unfold wings holding the hydraulic lever until the tail is in working position and the main center cylinder pins have centerd in their slots.
- 4. 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.
- 5. Move off with all chains in working position. If neccessary it is acceptabe to raise front A pull to transport height. This will lift the front chains off the ground and reduce the load on the tractor. Lower the front A pull once moving satisfactorily.

Folding:

- 1. Lower the front A frame to working height. (This is important to ensure that all chains locate correctly in their transport rests).
- 2. Fold the wings. They should move as follows; modules will raise, tail will raise, 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.
- 3. Raise front A frame to transport height.
- 4. Walk around and check that chains have located correctly in transport rests. (30' only, install wing transport lock pins).

Setting for correct chain tension

Wings

Use the spanner supplied. Loosen the lock nut adjacent to the tensioner assembly body. Turn the tension bolt clockwise to compress the coil spring. Correct tension is acheived when spring retains its set length when operator rolls the chain fore and aft on the ground. Retighten the lock nut.

See table below

Spring Compression Length

Model	inches	mm
45	12.4	315

When less than 4" (100mm) of thread remains visible on the adjustor bolt then a link must be removed from the chain



Modules

Loosen the lock nut on the draw bolt.

Tighten the adjusting nut clockwise until the outer face of the spring retaining washer is flush with the body of the module tensioning unit.

Retighten the lock nut.

If more than 8" (200mm) of thread is exposed then a link should be removed to maintain correct adjustment.





Importance of chain tension

Operational

It is imperative that the correct adjustment be maintained. Only through correct adjustment can a smooth and level finish be achieved in field working.

Loose chains lead to :

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

A correctly adjusted machine will not cause this phenomenon.

Settings for correct working height

To adjust the swivel height at the wings, relocate one of the polyurethane spacers either above or below the fixed mounting tube.

Adjustment

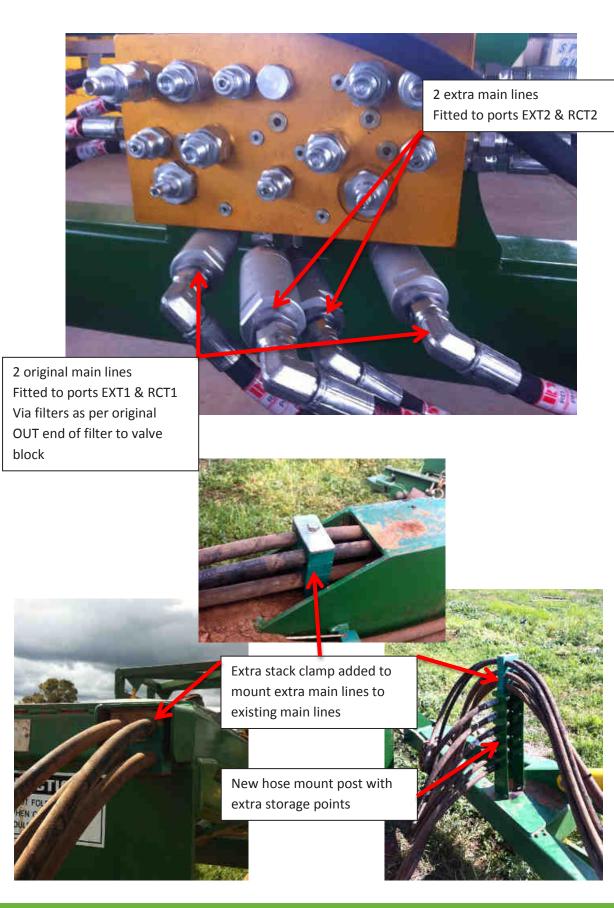
1	Loosen chain tension completely
2	Undo self tapping screw from corresponding spacer then prise open the spacer and spring it off of the drop leg tube
3	Replace it in the selected position after raising or lowering the drop leg
4	Reinstall the self tapping screw and re-tension the chain

It is possible to install all spacers either above or below the mounting tube giving a maximum of 4'' (100mm) of adjustment.

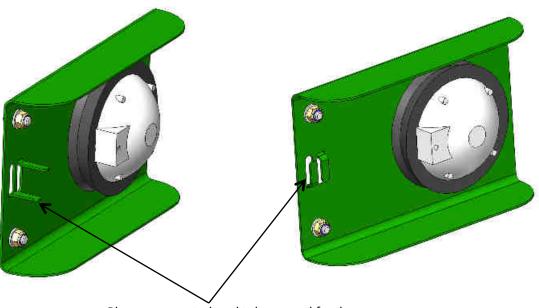




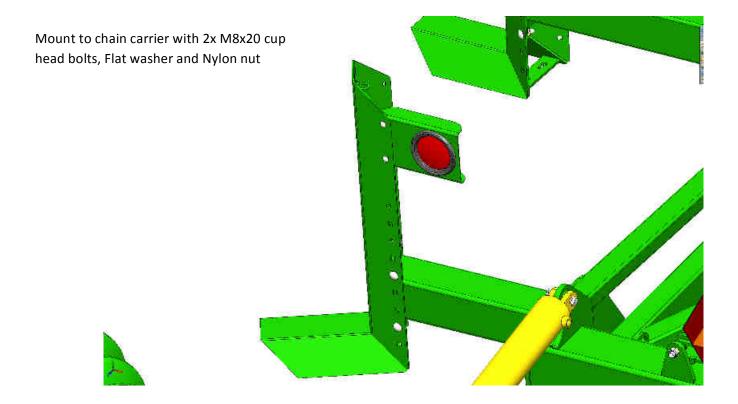
Hydraulic Valve Block



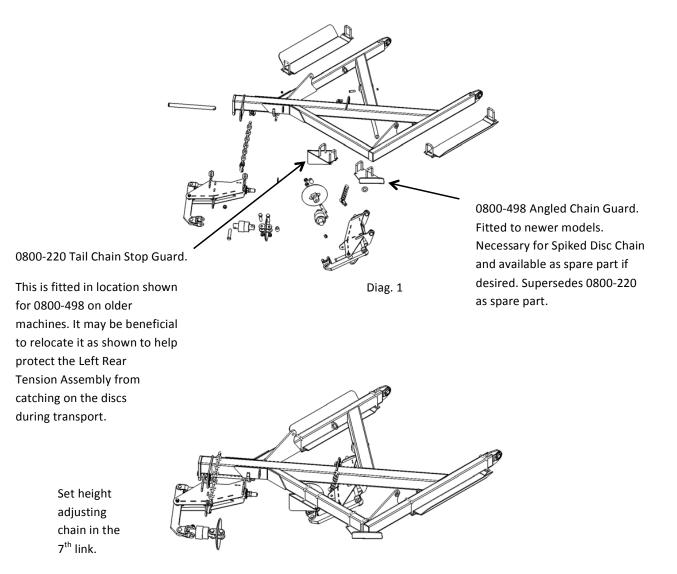
Rear Light Brackets



Please ensure to bend tabs up and feed wire through, so the light cable is secure

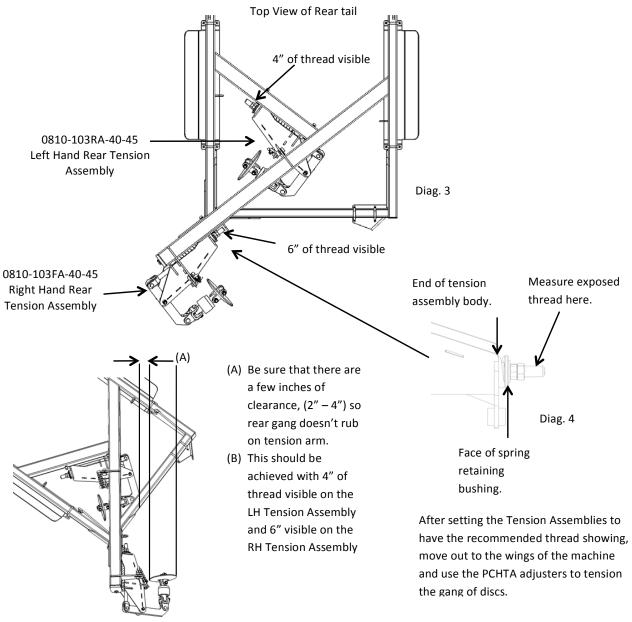


Chain Tensioners on Rear Tail



Diag. 2

Chain Tensioners on Rear Tail



Diag. 5

Chain Tensioners on Rear Tail

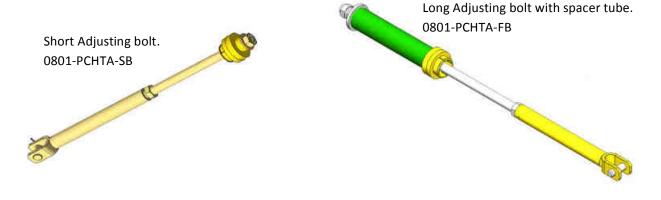
Please note – Earlier models have Part no 0801-PCHTA-FB (see below) as a stop tube on a <u>long</u> adjusting bolt, more recent models have a <u>short</u> adjusting bolt, 0801-PCHTA-SB. These appear on the rear of both outer wings only. Both serve the same function.

After setting the tail tensioners with the correct thread exposed, tighten the Chain Tension Adjusters on the wing.

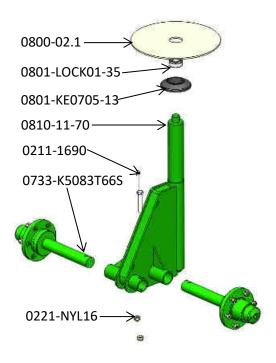
Direction of travel

Adjust until the chain "springs" back to position when you roll the gang of discs back and forth.

Check the Rear Tension Assemblies to see that the face of the spring retaining bushing is flush with the end of the tension assembly body. (Diag. 4) Diag. 6



Brake Disc Collar (Revision B)



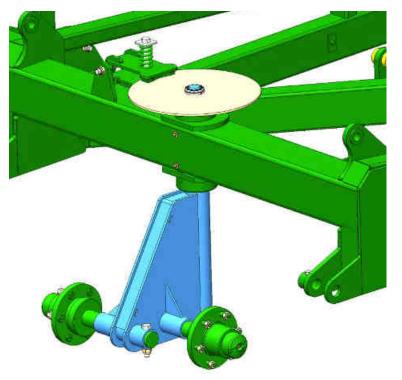
Slide shaft of jockey wheel up through both bearings.

Place black dust cover onto top bearing.

Slide disc brake into the calliper and over the top of jockey wheel.

Ensure when unscrewing bolts to fit collar over that some thread is still engaged otherwise you will not be able to screw bolt in.

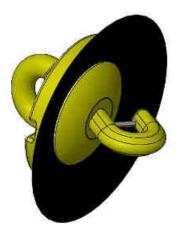
Slide collar over shaft and inside the brake disc hole.



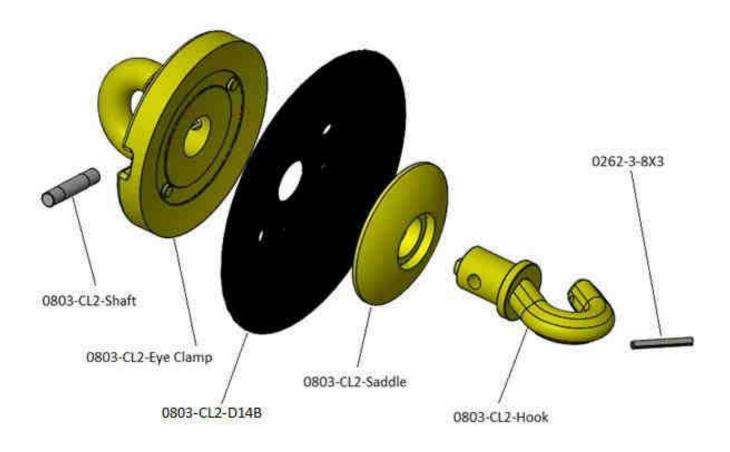
Tighten in a cross pattern, Bring all bolts up equally to 17Nm (12.54 Ft/Lbs) (caution if a single bolt is done up to tension there is a risk of the bolt breaking)

To undo, remove all bolts and gently tap collar with a hammer and collar should become loose.

CL2 Chain Configuration - All Machines

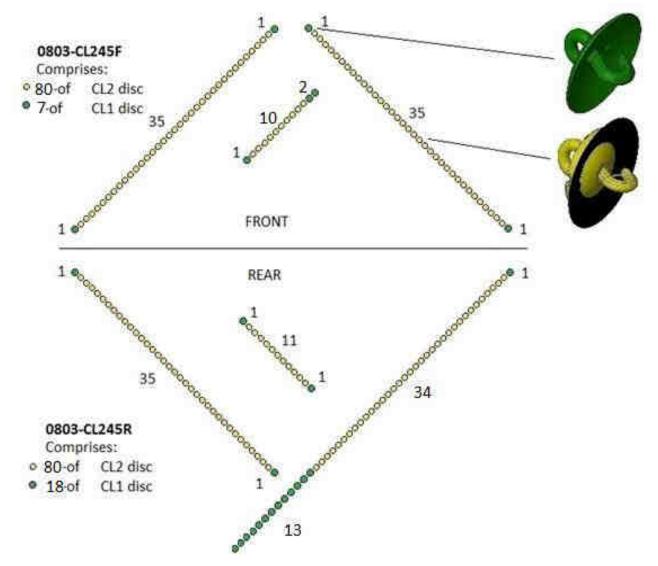


0803-CL2-Link Assembly



CL2 Chain Configuration - 45ft

45' Machine



Please Note

Machines built from serial number 1170126 on will have 3 extra CL1 discs on the rear right chain.



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

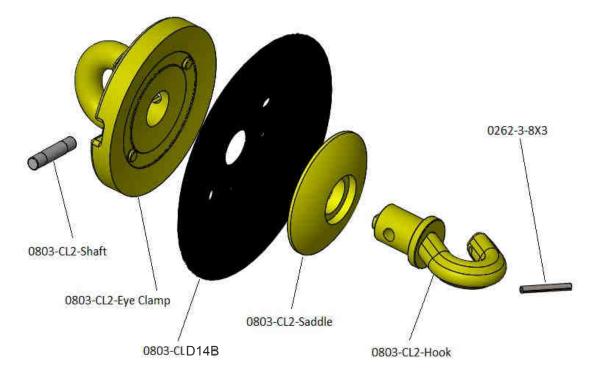


Figure 1: Exploded view of CL2 disc assembly

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

Assembly Update 045



- 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

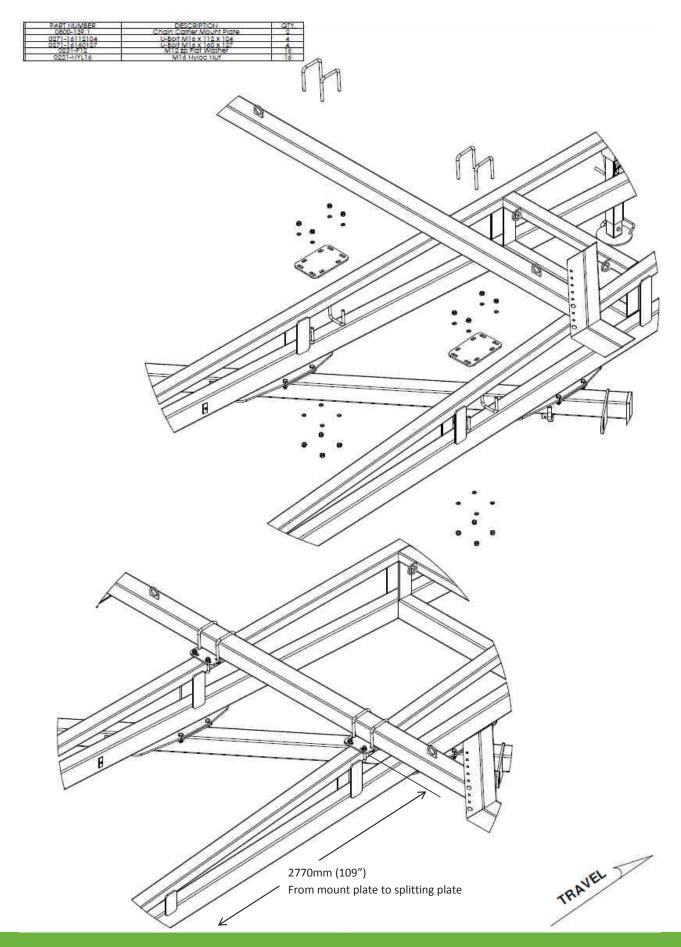


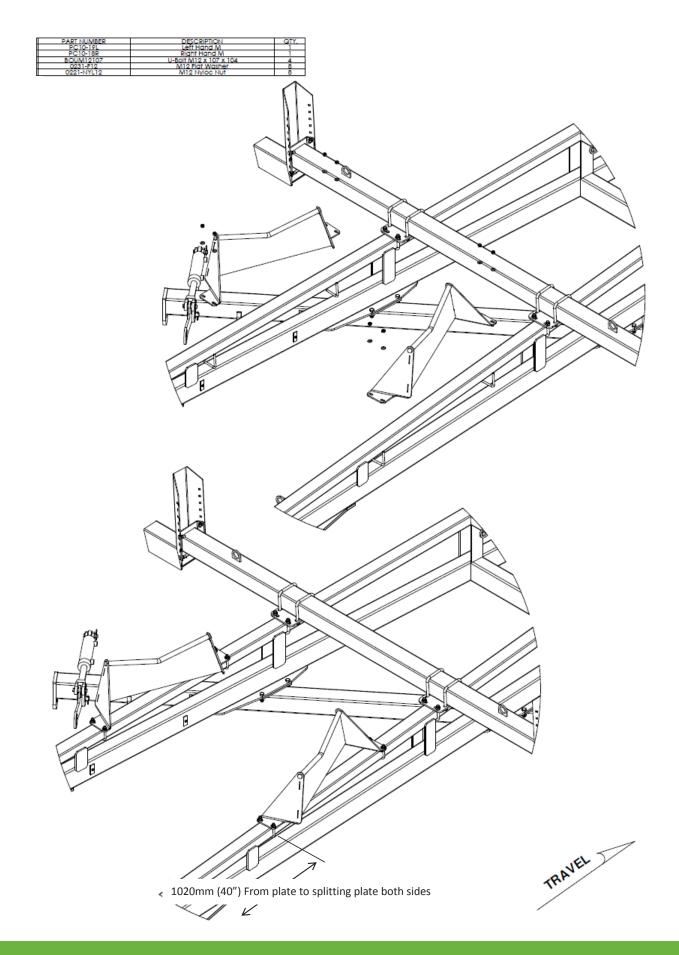
CL2 Disc Change Procedure



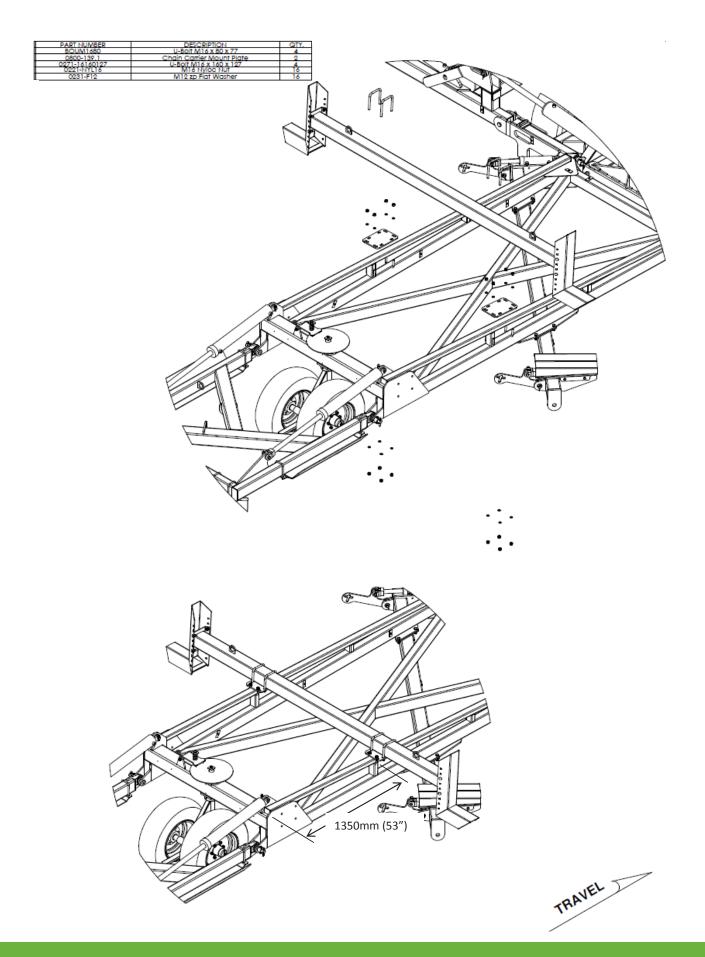
Figure 3: CL2 disc with press jig in Closed position

Chain Carrier Location

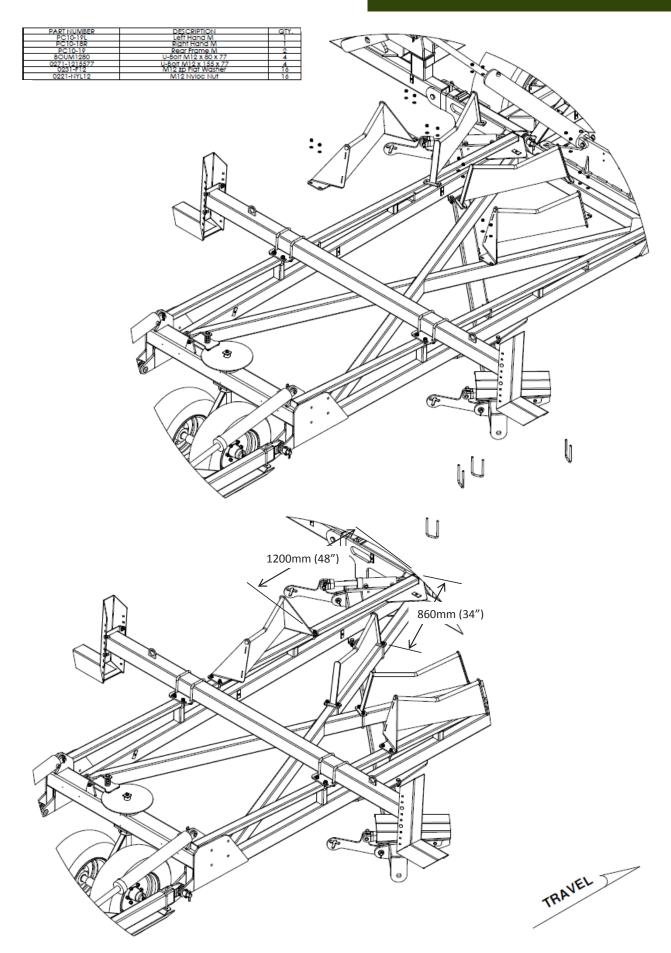




Chain Carrier Location



Chain Carrier Locations



Notes

