2014 4000 SERIES

GRAIN BELT Header



AGCO (Massey - Gleaner A, R, and S)
CASE IH - NH (CR/CX)
JD (50 Series, 60 Series, and S Series)
Claas/Lexion - Versatile
MODELS ONLY.





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<u>This manual covers AGCO (Massey - Gleaner A, R & S - Challenger), NH (CR/CX), JD (50 Series, 60 Series, S-Series), Claas/Lexion, CaselH and Versatile ONLY.</u>

Review the sections of this manual regarding adjustments, settings, leveling, and table height before attempting to operate this header.

Without proper adjustment, damage to the header may occur.

Please wash this equipment after transporting!

Honey Bee Manufacturing will not be responsible for any paint deterioration resulting from salt or harsh chemical corrosion if this equipment is not properly washed after transport. Use a mild soap solution, then rinse thoroughly.

If this equipment is stored near salted roadways through the winter months, it should be cleaned each spring.

CE EUROPEAN DECLARATION OF CONFORMITY

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Honey Bee Manufacturing Ltd.

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EUROPEAN DECLARATION OF CONFORMITY

We, Honey Bee Manufacturing Ltd., PO Box 120, Frontier, Saskatchewan, Canada S0N 0W0 declare under our sole responsibility that the product

Draper Headers -

Models: 4036, 4040, 4045

Serial Numbers: #1063404014 and onward

to which this declaration relates is in conformity with the following standards

EN ISO 4254-1:2013 AND EN ISO 4254-7:2009

Following the provisions of:

Directive 2006/42/EC on machinery.

The Technical Construction File is maintained at:

Honey Bee Manufacturing Ltd.; PO Box 120, Frontier, Saskatchewan, Canada S0N 0W0

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Brad Nelson General Manager Honey Bee Manafacturing Literal

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Honey Bee Manufacturing Ltd.

2014 4000 Series Header

Skid Unit Assembly Manual

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Safety

In this manual, the safety conventions used are as follows:

Safety Terms



Indicates an imminently hazardous situation that if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded.



Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.



Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.



Warns of potential damage to the machine if procedures are not followed.



Provides instructions to help you avoid unnecessary strain on, or possible damage to the machine.

Shields

Shields are provided to protect you from injury. Make sure they are in place and secured before starting the machine.



Names given here for parts of the Header are those in use at the time of design.



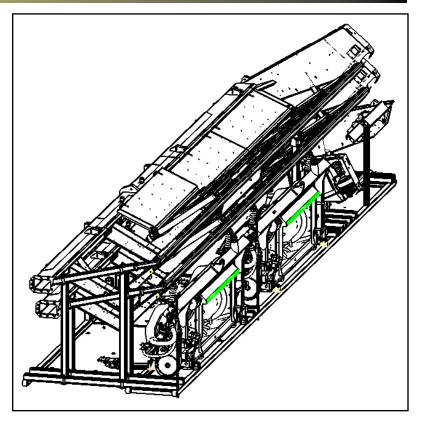
Removing Skid From Crate

 While the skid assembly is still in the crate, attach a ½ inch chain to the bottom corners of the skid.



Skid weight can reach up to 21,000 lbs, use a minimum of 7/16" (1.11cm) chain when removing.

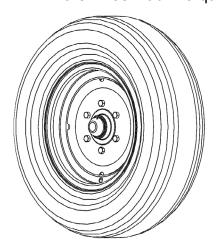
- Do not attempt to lift the skid after it has been removed.
- Pull the skid from the container
- Using an overhead crane, hoist or forklift, remove the reels and any additional parts from the top and sides of the skid.

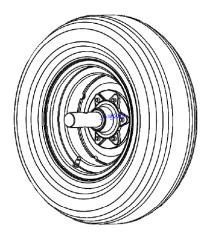


ASSEMBLY STEP 1 - Assemble Wheels

Do not start to remove any of the tables until their respective wheel & axle assemblies and hitch assemblies are completed.

Remove the wheels and spindles from the skid and assemble using the bolts on the wheel hub. Torque the bolts to 120 ft/lbs and inflate the tires to 80 psi.



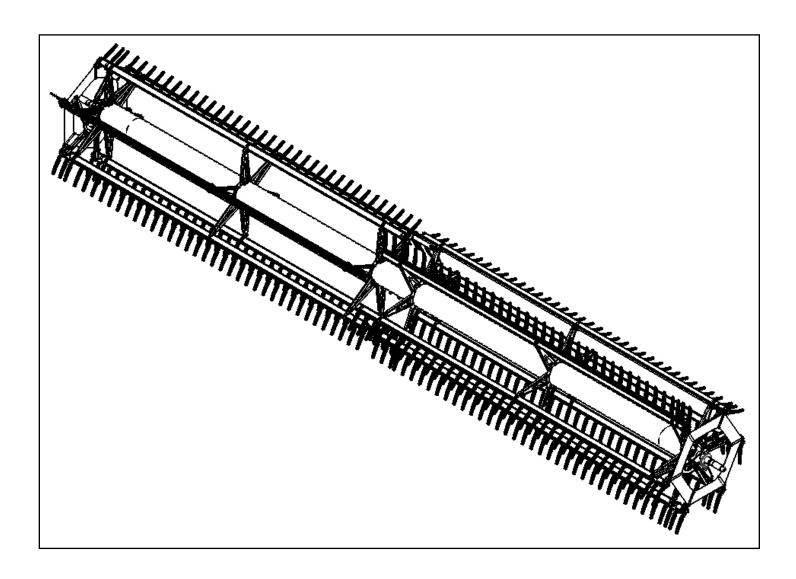


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Reel Bundles

Release reel bundles from the skid frame. Remove each crated reel one at a time with lifting equipment that is capable of lifting them safely. Set them aside with the associated hardware. The assembly instructions, from the reel manufacturer, is either in the hardware box or in a bag which is attached to the reel.



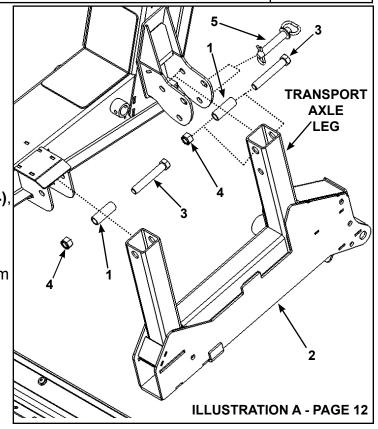


ASSEMBLY STEP 2 - Axle Assembly

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	P87298	SPACER-1.00 X 0.760 X 3-1/16	2
2	G87354	TRANSPORT AXLE	1
3	19645	BOLT 3/4 X 5 UNC GR5	2
4	19857	NUT 3/4 UNC NYLOCK	3
5	25042	HITCH PIN 3/4 X 4-1/2	1
6	G87156	TRANSPORT AXLE PIVOT	1
7	P87299	SPACER-1.00 X 0.760 X 3-25/32	1
8	19646	BOLT 3/4 X 5-1/2 UNC GR5	1
9	66027	LOCK PIN	2
10	27947	BOWTIE PIN 1/8 X 2-3/4	3
11	G87218	TRANSPORT AXLE EXTENSION	1
12	67345	WHEEL ASSEMBLY	2
13	26315	HITCH PIN 1/2 X 4 LOCK HANDLE	2
14	G87143	TRANSPORT AXLE WEDGE CAP	1
15	28268	CLEVIS PIN	1

STEP 2A

- Insert SPACER (Item 1) into the top hole of each leg of TRANSPORT AXLE (Item 2).
- Lift TRANSPORT AXLE into place, as shown in this diagram.
- Fasten TRANSPORT AXLE into place with a BOLT 3/4 X 5 (Item 3) and a NUT 3/4 (Item 4), on each leg.
- Place HITCH PIN 3/4 X 4-1/2 (Item 5) in top hole, shown, for Transport Position and bottom hole shown for Operational Position.

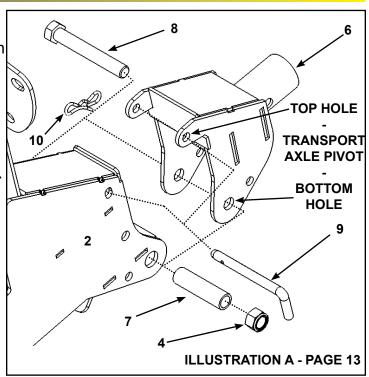


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Honey Bee

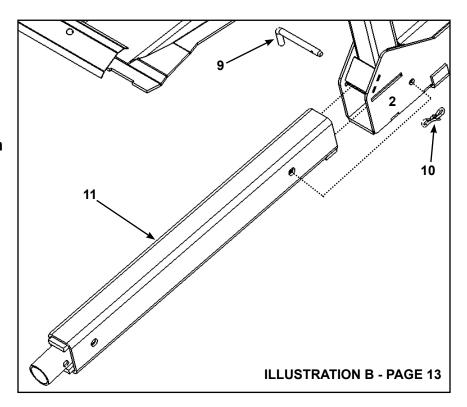
STEP 2B

- Insert SPACER (Item 7) into the hole, shown in this illustration.
- Line up the bottom most hole in the TRANSPORT AXLE PIVOT (Item 6) with the SPACER hole.
- Fasten TRANSPORT AXLE PIVOT with BOLT 3/4 X 5-1/2 (Item 8) and NUT 3/4 (Item 4).
- Pivot TRANSPORT AXLE PIVOT up into its Transport Position lining up the top most hole in the TRANSPORT AXLE (Item 2) with the top most hole in the TRANSPORT AXLE PIVOT.
- Fasten the TRANSPORT AXLE PIVOT in this
 position using the LOCK PIN (Item 9), and
 BOWTIE PIN 1/8 X 2-3/4 (Item 10).



STEP 2C

- Insert TRANSPORT AXLE EXTENSION (Item 11) into TRANSPORT AXLE (Item 2).
- Secure TRANSPORT AXLE EXTENSION with LOCK PIN (Item 9), and BOWTIE PIN 1/8 X 2-3/4 (Item 10).



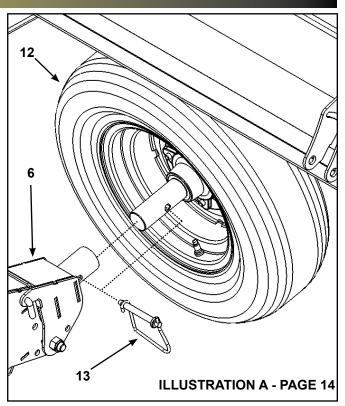


STEP 2D

- Insert WHEEL ASSEMBLY (Item 12) into receiver on the TRANSPORT AXLE PIVOT (Item 6).
- Line up Pin Holes on the WHEEL ASSEMBLY and the TRANSPORT AXLE PIVOT receiver.
- Secure WHEEL ASSEMBLY to TRANSPORT AXLE PIVOT with HITCH PIN 1/2 X 4 (Item 13).



Install the second WHEEL
ASSEMBLY to the receiver of the
TRANSPORT AXLE EXTENSION
the same way as instructed above.



ASSEMBLY STEP 3A & 3B- Hitch and Hitch Axle Assembly

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	G87372	TRANSPORT STRUT LOCK	1
2	26266	BOLT 1/2 X 1-1/4 UNC CARRAGE	8
3	19938	WASHER FLAT 1/2	8
4	19975	NUT 1/2 UNC C/LOCK	8
5	G88705	TRANSPORT PIVOT	1
6	28358	POLYLUBE BUSHING 1-1/4"	2
7	P86840	PIN WELDMENT	1
8	19504	BOLT 3/8 X 2-1/4" UNC GR5	1
9	19981	NUT 3/8 UNC C/LOCK	1
10	G87362	STRUT RECEIVER PIN	1
11	26216	QUICK PIN 3/8 X 1-3/4	1

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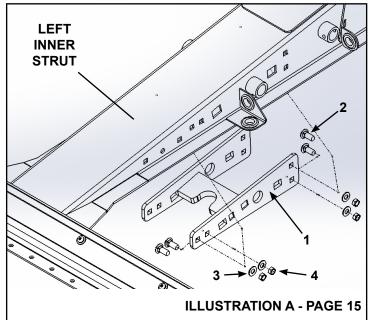
Honey Bee

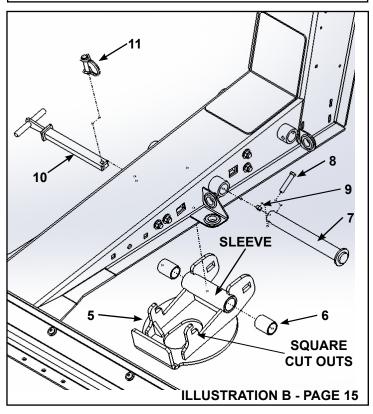
STEP 3A

- Raise TRANSPORT STRUT LOCK (Item 1)
 up inside the Left Inner Strut, as shown in
 Illustration A.
- Line up the four square holes, on each side of the Strut, with the four square holes on each side of the TRANSPORT STRUT LOCK.
- Fasten the TRANSPORT STRUT LOCK to the Strut with 8 of each BOLTS (Item 2), WASHERS (Item 3), and NUTS (Item 4).

STEP 3B

- Insert POLYLUBE BUSHINGS (Item 6) into the Sleeve of the TRANSPORT PIVOT (Item 5).
- Raise the TRANSPORT PIVOT into place, lining up its Sleeve with the PIN WELDMENT (Item 7) hole in the Strut.
- Insert the PIN WELDMENT into Strut holes, and TRANSPORT PIVOT Sleeve, securing the TRANSPORT PIVOT.
- Secure the PIN WELDMENT with its BOLT (Item 8), and NUT (Item 9).
- Swing the front of the TRANSPORT PIVOT up to the Strut lining up the Square Cut Outs on the TRANSPORT PIVOT with the Square Holes in the Strut (for the STRUT RECEIVER PIN - Item 10).
- Insert the STRUT RECEIVER PIN securing the TRANSPORT PIVOT.
- Secure the STRUT RECEIVER PIN with the QUICK PIN (Item 11).





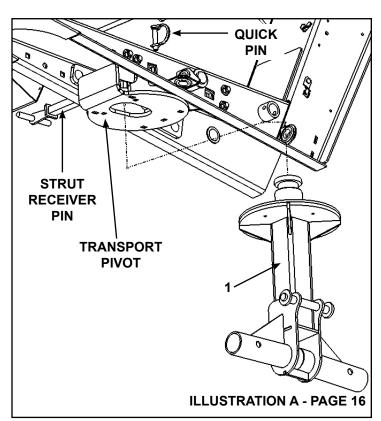


ASSEMBLY STEP 3C to 3G - Hitch and Hitch Axle Assembly

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	87436	HITCH TOWER	1
2	G87891	INNER DRAW BAR	1
3	G87390	HITCH LOCK WD	1
4	28383	HITCH PIN 1/2 X 6-1/2	1
5	19571	BOLT 1/2 X 6-1/2 UNC	1
6	19975	NUT 1/2 UNC C/LOCK	1
7	67345	WHEEL ASSEMBLY	2
8	26315	HITCH PIN 1/2 X 4 HLOC	2
9	G87890	OUTER DRAW BAR	1
10	87173	BOLT 3/4 X 6-1/2 W/HOLE	1
11	28406	NUT HANDLE 3/4 UNC	1
12	25047	HAIR PIN #9	1
13	26302	SAFETY CHAIN 72"	1
14	27946	BOLT 1 X 4 UNC	1
15	19859	NUT 1 UNC NYLOCK	1

STEP 3C

- Remove the QUICK PIN from the STRUT RECEIVER PIN, and slide the STRUT RECEIVER PIN almost all the way out.
- Insert the HITCH TOWER (Item 1) into the front of the TRANSPORT PIVOT, then slide it to the rear.
- Place the RECEIVER PIN back into position, and install the QUICK PIN.



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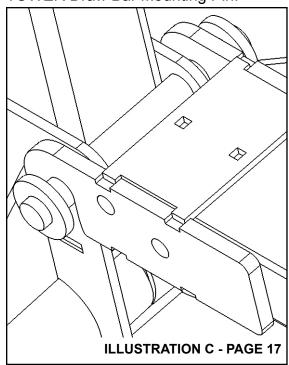
Skid Unit Assembly Manual

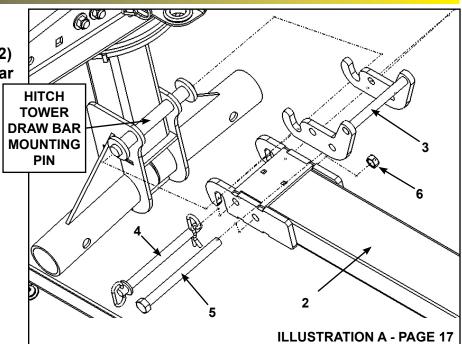
Honey Bee

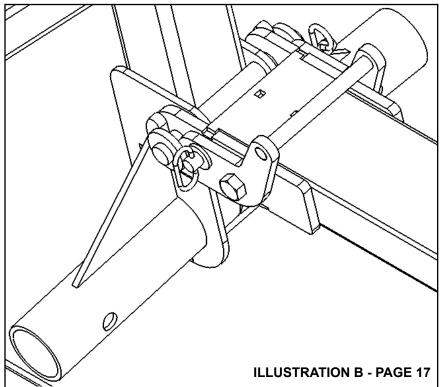
STEP 3D

- Place INNER DRAW BAR (Item 2) onto the HITCH TOWER Draw Bar Mounting Pin.
- Slide HITCH LOCK WD (Item
 3) onto the INNER DRAW BAR, lining up the HITCH PIN (Item 4) holes.
- Install the HITCH PIN.
- Pivot the HITCH LOCK WD into position so the BOLT (Item 5) holes line up.
- Install the BOLT, and the NUT (Item 6).

See **Illustration B** for final assembly example. See **Illustration C** for INNER DRAW BAR on the HITCH TOWER Draw Bar Mounting Pin.







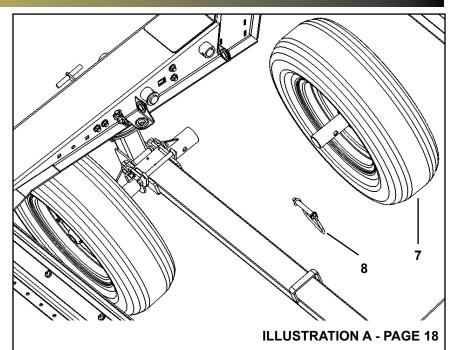


STEP 3E

- Install HUB & TIRE ASSY (Item 7) lining up the HITCH PIN (Item 8) holes.
- Insert the HITCH PIN into the HITCH PIN hole and secure.
- Perform the same steps for the second set of HUB & TIRE ASSY.

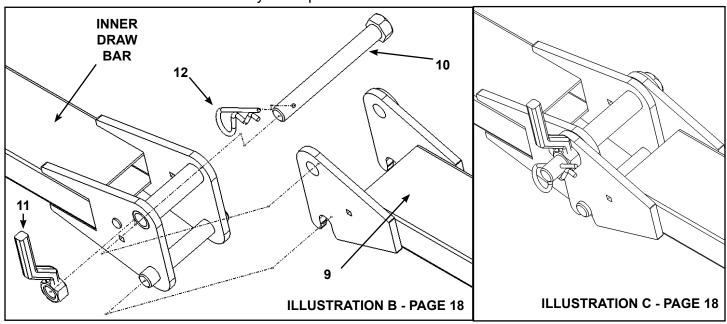
STEP 3F

- Slide OUTER DRAW BAR (Item
 9) onto mount shaft of the INNER DRAW BAR.
- Line up the BOLT (Item 10) holes, and insert BOLT.



- Thread NUT HANDLE (Item 11) onto the BOLT.
- Insert HAIR PIN (Item 12) into BOLT.

See **Illustration C** for final assembly example.



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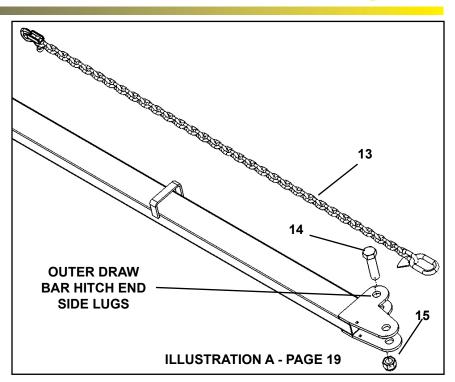
STEP 3G

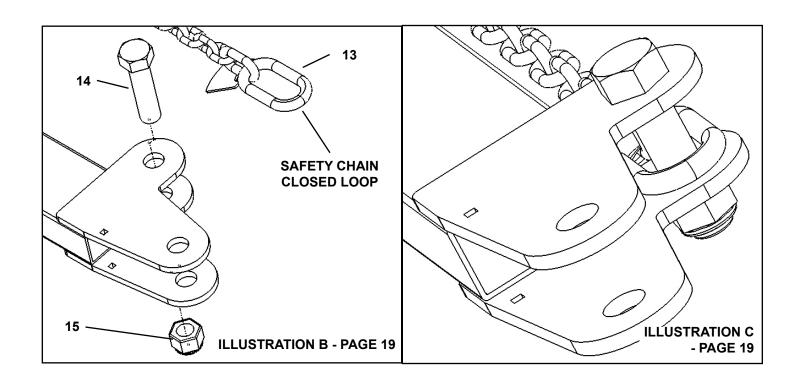
- Place the SAFETY CHAIN (Item 13) closed loop end between the OUTER DRAW BAR, hitch end, side lugs.
- Secure in place with BOLT (Item 14), and NUT (Item 15).



The SAFETY CHAIN can be threaded through the OUTER DRAW BAR Handle to keep organized and safe when not in use.

See **Illustration C** for final assembly example.



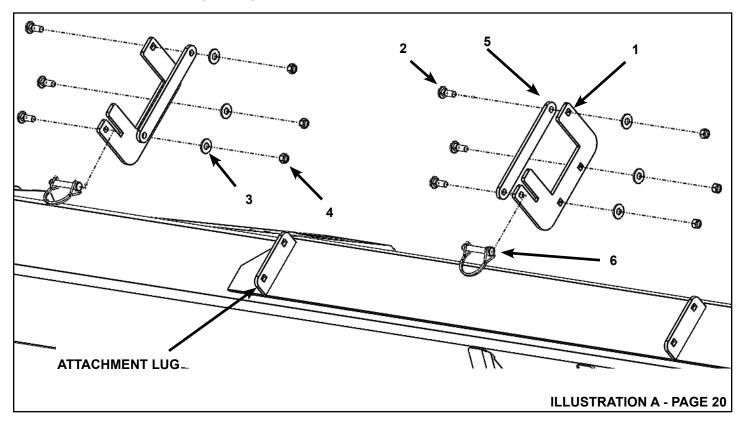


ASSEMBLY STEP 3H to 3I - Hitch Storage Assembly

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	G87407	HITCH HOLDER	4
2	19731	BOLT 3/8 X 1 UNC CARR GR5	16
3	19922	WASHER FLAT 3/8	16
4	19981	NUT 3/8 UNC C/LOCK	16
5	G87408	LOCK PLATE	4
6	26216	QUICK PIN 3/8 X 1-3/4	4
7	G87406	STORAGE TOWER	1
8	28383	HITCH PIN 1/2 X 6-1/2 COMP	2

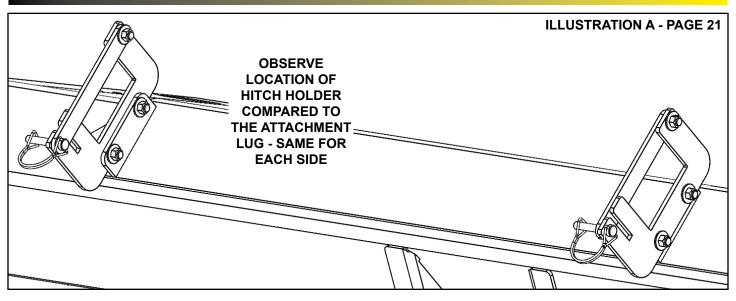
STEP 3H

- Attach the HITCH HOLDERS (Item 1), as shown, with two BOLTS (Item 2), two WASHERS (Item 3), and two NUTS (Item 4). There are four locations, two on each end of the Upper Tube.
- Create the pivot point between the **HITCH HOLDERS**, and the **LOCK PLATE (Item 5)** with one of each fastenr listed in the previous step.
- Place one QUICK PIN (Item 6) on each HITCH HOLDER.



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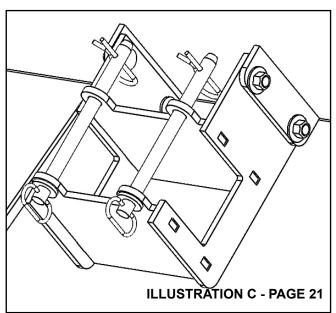


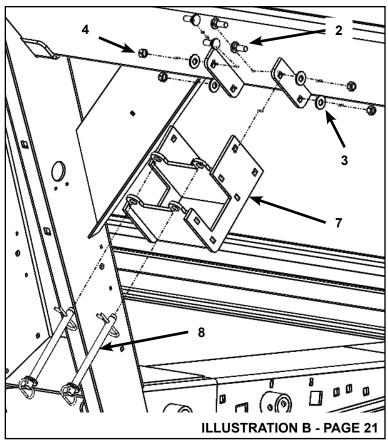


STEP 3I

- Fasten the STORAGE TOWER (Item 7) to the Table Frame Attachment Lug, as shown, with four of the fasteners listed in the first step.
- Insert two HITCH PINS (Item 8).

Refer to Operators Manual for usage instructions.



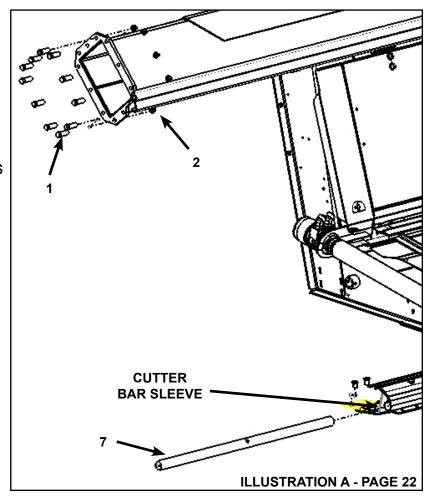


ASSEMBLY STEP 4 - FRAME EXTENSION ATTACHMENT

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	19957	BOLT 1/2 X 1-3/4 UNC GR5	11
2	19975	NUT 1/2 UNC C/LOCK	11
3	27708	CAP SCREW FLAT HD 3/8 X 1	4
4	19922	WASHER FLAT 3/8	4
5	19981	NUT 3/8 UNC C/LOCK	4
6	86155	CUTTER BAR BOLT ON PLATE	1
7	81767	CUTTER BAR ALIGNMENT SHAFT	1

- Insert CUTTER BAR
 ALIGNMENT SHAFT (Item 7)

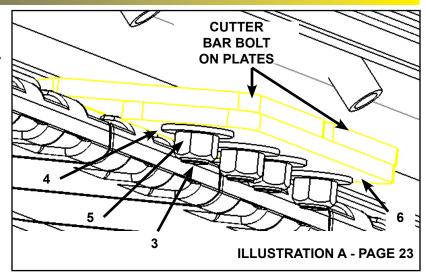
 into Cutter Bar Sleeve.
- Using an appropriate lifting device position the Frame Extension so that the CUTTER BAR ALIGNMENT SHAFT slides into the Frame Extension Cutter Bar Sleeve, and the Upper Tube Extension Flange Bolt Holes line up.
- Thread Hydraulic Hoses through Frame Extension Upper Tube, and allow to hang out of RH End Strut.
- Install the Upper Tube Extension Flange BOLTS (Item 1), and NUTS (Item 2).

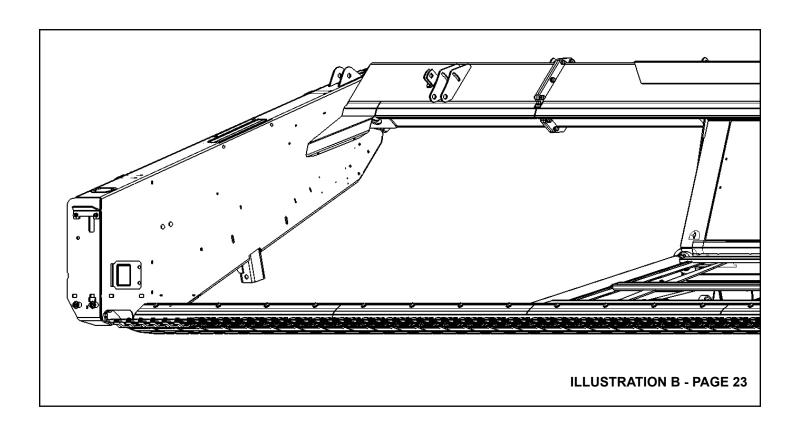


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- Fasten the CUTTER BAR BOLT
 ON PLATE (Item 6) to the Cutter
 Bar Bolt On Plates with four of
 each: Bolts (Item 3); Nuts (Item
 5); and Washers (Item 4).
- Release the Frame Extension from the chosen lifting device, and check the Frame alignment. There should be a smooth transition between the Extension and the Main Frame.





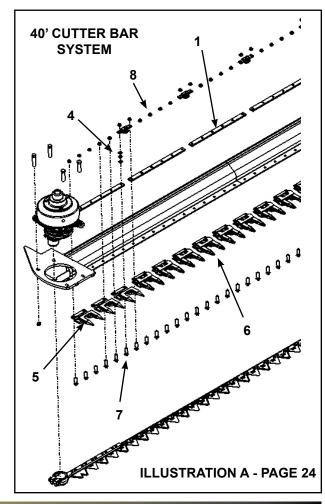


ASSEMBLY STEP 5A - Frame Extension Knife System

ITEM NO.	PART NO.	DESCRIPTION	40' QTY	45' QTY
1	28021	SPACER BAR 6 HOLE	3	6
2	83331	SPACER BAR 2 HOLE	0	1
3	27695	BRIDGE ROLLER	3	6
4	19936	WASHER FLAT SAE 3/8	3	0
5	27914	OPEN GUARD	3	3
6	28019	GUARD	6	16
7	19753	BOLT 3/8 X 1-1/2 NC CARR	18	38
8	19902	NUT 3/8 UNC F/LOCK	18	38

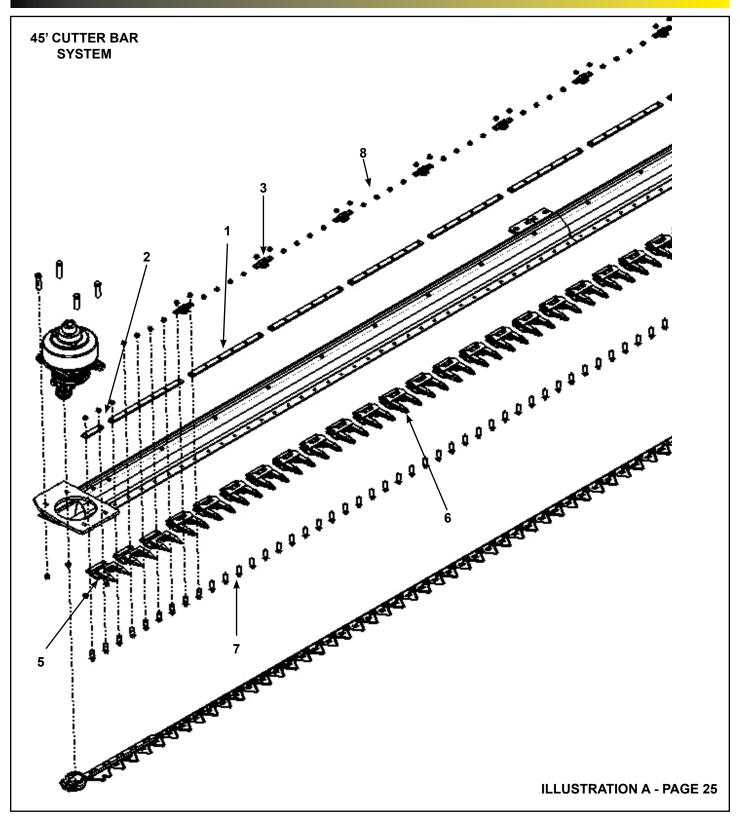
This Step is only for Tables that are either 40' or 45', and come with their Frame Extension separate from the Main Frame. It must be done at the same time as Step 5B due to both Steps sharing the same bolts.

- Layout the required SPACER BARS (Item 1 and/or 2).
- Layout the BRIDGE ROLLERS (Item 3).
- Place the FLAT WASHERS (Item 4) under the outer most BRIDGE ROLLER on a 40' Table.
- Retrieve a set of BOLTS (Item 7), and NUTS (Item 8). Position a GUARD (Item 5 or 6), as required, and fasten in place. Remember these BOLTS are shared with the items in Step 5B.



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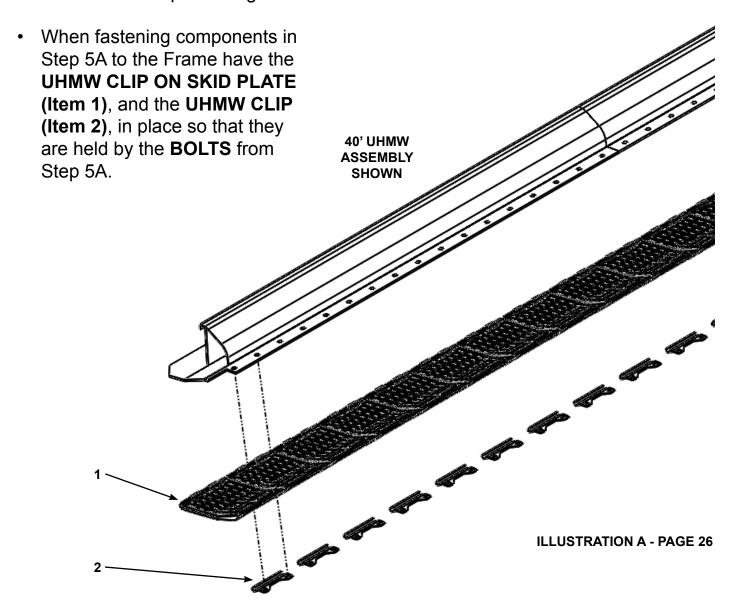




ASSEMBLY STEP 5B - Frame Extension UHMW

ITEM NO.	PART NO.	DESCRIPTION	40' QTY	45' QTY
1	85872	UHMW CLIP ON SKID PLATE	9	19
2	P85873	UHMW CLIP	19	19

This Step is only for Tables that are either 40' or 45', and come with their Frame Extension separate from the Main Frame. It must be done at the same time as Step 5A due to both Steps sharing the same bolts.



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ASSEMBLY STEP 5C - Knife Section Assembly Installation

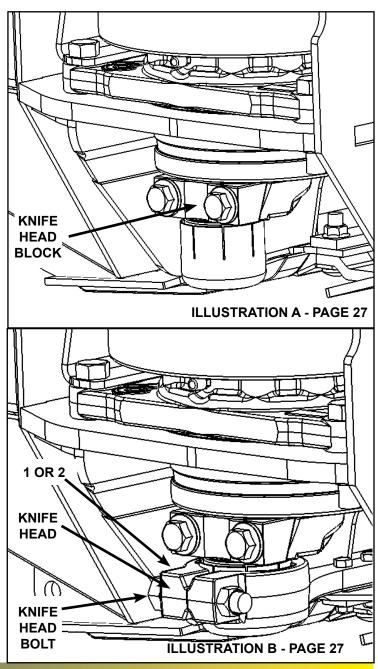
ITEM NO.	PART NO.	DESCRIPTION	40' QTY	45' QTY
1	85749	KNIFE ASSY 40'	1	0
2	88205	KNF ASSY 45'	0	1

This Step is only for Tables that are either 40' or 45', and come with their Frame Extension separate from the Main Frame.

- Remove the Knife Head Block from the RH Knife Drive.
- Slide KNIFE ASSEMBLY (Item 1 or 2) into the Knife Guards from the RH side of the Table.
- Loosen the **Knife Head Bolt**. and insert the Knife Head Block into the **Knife Head** (do not tighten Knife Head Bolt yet).
- Secure the Knife Head Block to the Knife Drive.
- Tighten the Knife Head Bolt.



Make sure all torqued as per specs on Knife **Drive Decal.**



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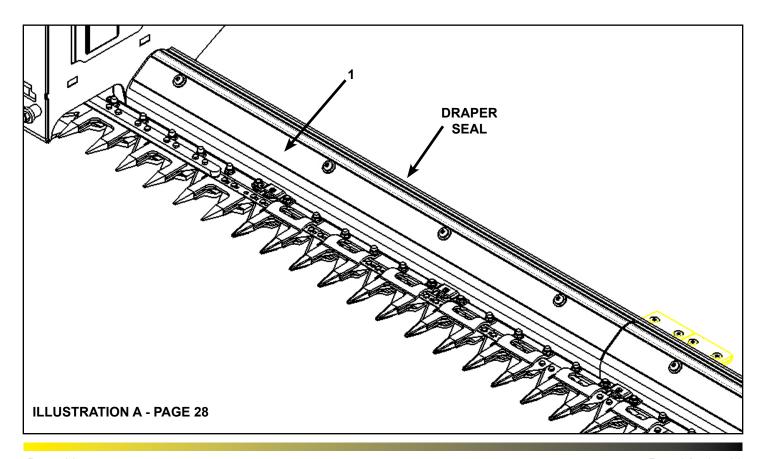
ASSEMBLY STEP 6 - Draper Seal System Completion



Although the Draper Seal is part of the Frame Extension, and Cutting System, you may want to delay its completion until after the Draper Decks are done.

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	88390	DRPR SEAL HOLDOWN - 49"	1

- Remove screws and washers from the Frame Extension Cutter Bar.
- Layout the folded **Draper Seal** from the Main Frame onto the Frame Extension.
- Place the DRAPER SEAL HOLDOWN (Item 1) lined up with the bolt holes, and on top of the Draper Seal.
- Fasten in place with the screws and washers that you removed.



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ASSEMBLY STEP 7 - Subframe Installation



You may want to install the Center Reel Arm (See Step 11B), on a Split Reel System, before installing the Subframe.

Gather all necessary parts, tools, and lifting equipment before starting. You will be lifting the, very heavy, SubFrame Assembly, and moving it under the frame.



Be very careful when attaching the Subframe. Keep out from underneath it until it is fully secured to the Frame.

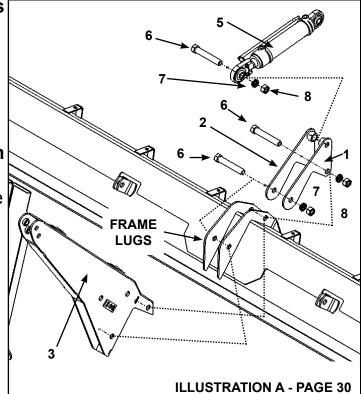
Notice, in the parts list below, that there are two configurations for the Header Tilt Cylinder attachment. Make sure that you have the correct parts for your required configuration.

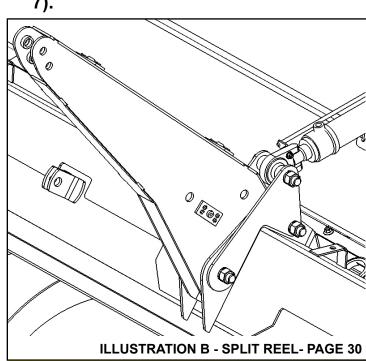
ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	G87908	HEADER TILT CYLINDER BRACKET LH	1
2	G87909	HEADER TILT CYLINDER BRACKET RH	1
3	G87078	CENTER REEL TOWER - SPLIT REEL ONLY!	1
4	G88822	SPACER-1.05 X .824 X 2-5/8 - SOLID REEL ONLY!	2
5	87738	HYDRAULIC TILT CYLINDER	1
6	19645	BOLT 3/4 X 5 UNC GR5	3
7	19955	WSHR LOCK 3/4	3
8	19807	NUT 3/4 UNC	3
9	19731	BOLT 3/8 X 1 UNC CARR GR5	16
10	19922	WSHR FLAT 3/8	16
11	19981	NUT 3/8 UNC C/LOCK	16
12	19639	BOLT 3/4 X 3 UNC GR5	1
13	19941	WSHR SAE 3/4	1
14	19857	NUT 3/4 UNC NYLOCK	1

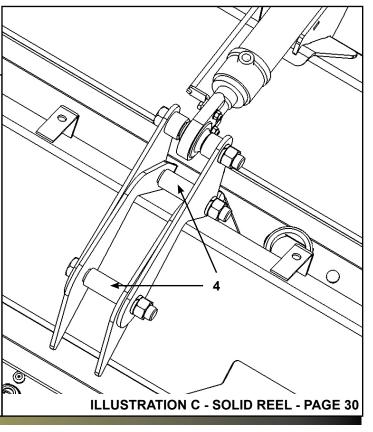


STEP 7A - Hydraulic Tilt Cylinder Mounts

- Place the HEADER TILT CYLINDER BRACKETS (Items 1 & 2) on the outside of the Frame Lugs. Line up the two lower bolt holes.
- Place the CENTER REEL TOWER (Item 3), or the SOLID REEL SPACERS shown in Illustration C - (Item 4) inside of the Frame Lugs. Line up bolt holes with lower bolt holes.
- Fasten required pieces in place with two of each BOLTS (Item 6), WASHERS (Item 7), and NUTS (Item 8).
- Fasten the HYDRAULIC TILT
 CYLINDER (Item 5) to the HEADER
 TILT CYLINDER BRACKETS, as
 shown, with one BOLT (Item 6), one
 NUT (Item 8), and one WASHER (Item
 7).







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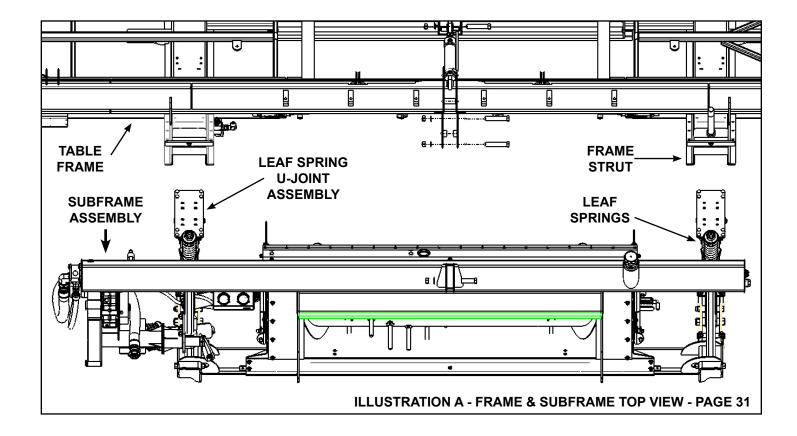




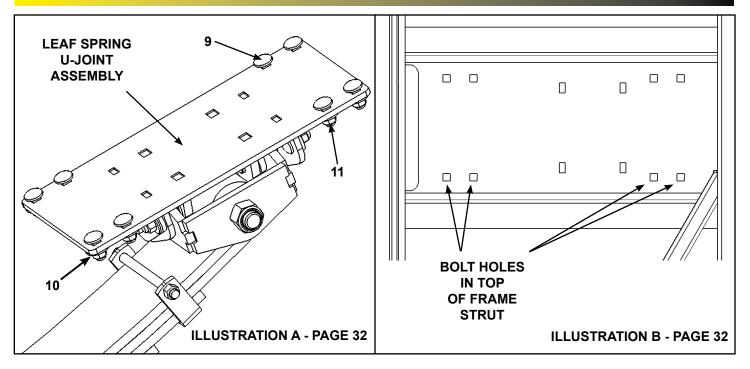
Subframe Assembly is very heavy. Use appropriate equipment to lift and position it safely.

STEP 7B - Attaching Subframe Suspension to Table Frame

- Position Subframe Assembly so that the Leaf Springs are located beneath the two Inside Frame Struts.
- Line up bolt holes on the Leaf Spring U-Joint Assemblies with those in the top side of the Frame Struts.
- Fasten Leaf Spring U-Joint Assemblies to the Frame Struts with BOLT (Item 9),
 WASHER (Item 10), and NUT (Item 11). Fasteners shown in Leaf Spring U-Joint Assemblies. See Illustration on next page.

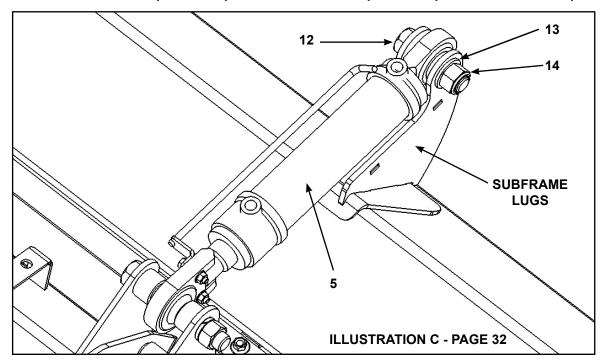






STEP 7C - Hydraulic Tilt Cylinder Attachment to Subframe

 Fasten the HYDRAULIC TILT CYLINDER (Item 5) to the Subframe Lugs, as shown, with one BOLT (Item 12), one WASHER (Item 13), and one NUT (Item 14).



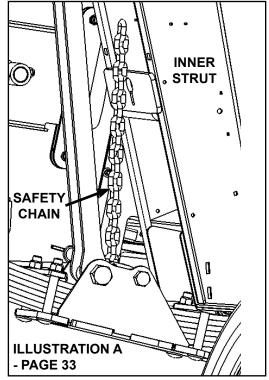
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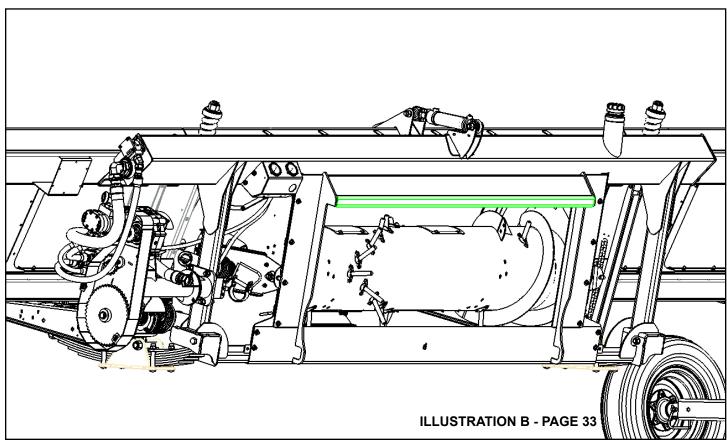


ASSEMBLY STEP 7D - Subframe Installation Final

Attach Safety Chain to Frame by sliding one of the links into the slotted hole in the back of each Inner Strut. When choosing a link make sure that the Chain is tight. This is to be set to the end most link while in operation.

Illustration B shows Subframe fully attached to the Table Frame.

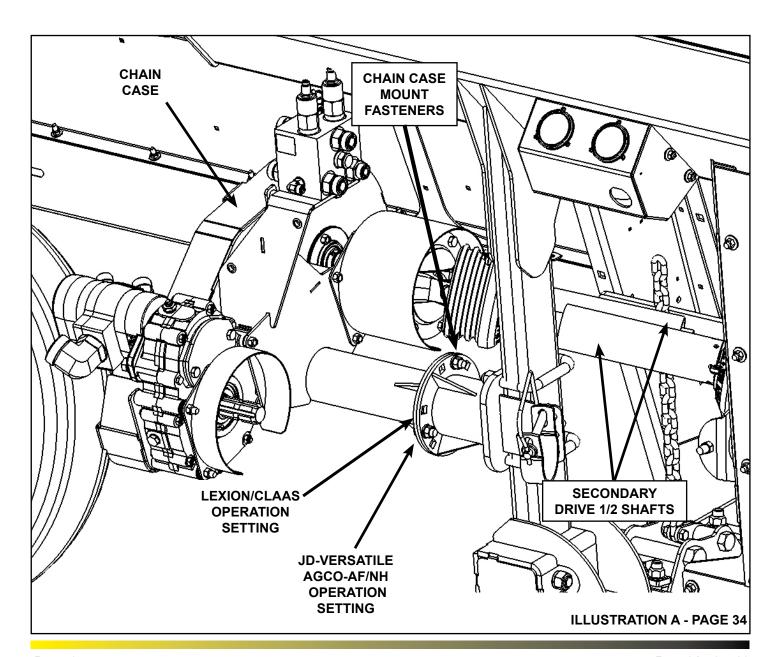






ASSEMBLY STEP 7E - Setting Chain Case

- Remove Chain Case Mount fasteners.
- Rotate the Chain Case to the correct position for the Table/Combine application. As the Chain Case is being rotated, align the Secondary Drive 1/2 Shafts so they slide into each other.
- Install removed fasteners into new positions.

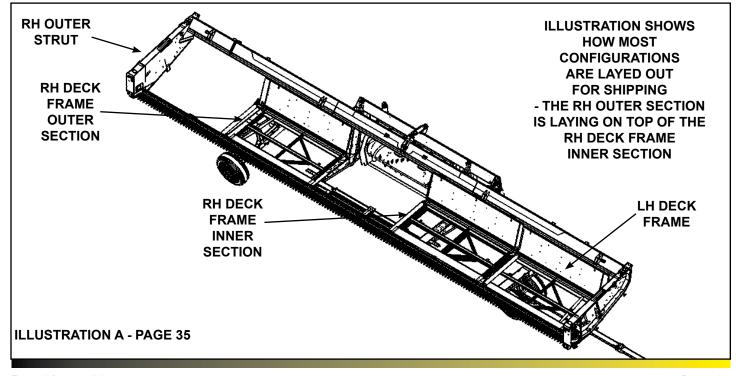


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ASSEMBLY STEP 8 - Draper Frame Assembly and Installation

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	P83663	DRAPER FRONT CONNECTOR BAR	1
2	19949	WASHER LOCK 5/16	4
3	19475	BOLT 5/16 X 3/4 UNC GR5	4
4	G83664	DRAPER REAR CONNECTOR BAR	1
5	19710	BOLT 1/2 X 1 UNC CARR GR5	2
6	19938	WASHER SAE 1/2	2
7	19975	NUT 1/2 UNC C/LOCK	2
8	G86850	DRAPER DECK RESTRAINER BAR LONG RH	1
9	G86847	DRAPER DECK RESTRAINER BAR SHORT RH	1
10	G86849	DRAPER DECK RESTRAINER BAR LONG LH	1
11	G86846	DRAPER DECK RESTRAINER BAR SHORT LH	1
12	26632	BOLT 1/4 X 3/4 UNC CARR GR5	4
13	19920	WASHER FLAT 1/4	4
14	19850	NUT 1/4 UNC NYLOCK	4
15	19731	BOLT 3/8 X 1 UNC CARR GR5	2
16	19922	WASHER FLAT 3/8	2
17	19981	NUT 3/8 UNC C/LOCK	2



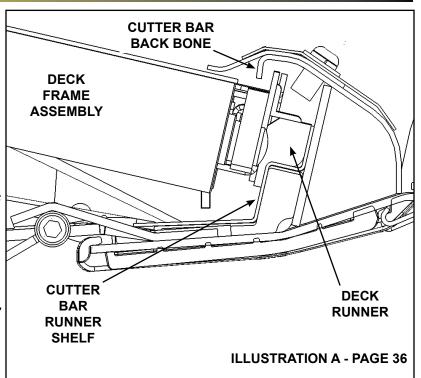


STEP 8A - RH Deck Positioning



Not all Configurations require deck reassembly.

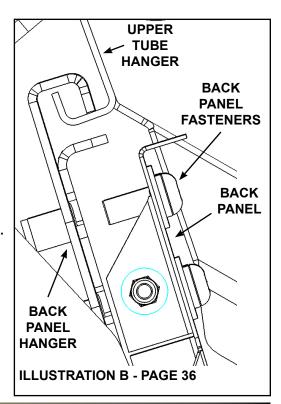
- Using a Safe Lifting Device pick up the Outer Half of the RH Deck Frame and positioning it over the Table Frame next to the Inner Half of the RH Deck Frame.
- Raise the rear of the Outer Half of the RH Deck Frame so that the front can dip under the Cutter Bar Back Bone and sit on the Cutter Bar Runner Shelf.





You will have to pull the Deck Frame in towards the Cutter Bar as you are placing it into the Table Frame. Make sure that it is fully seated.

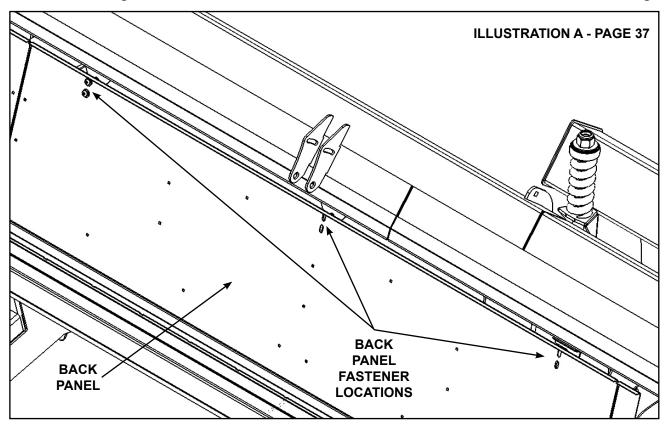
- Lower the rear of the Outer Half of the RH Deck Frame so that the Back Panel Hanger dips under the Upper Tube Hanger then comes up from behind it and rests in it.
- Start to fasten the Back Panel to the Back Panel
 Hangers using the bolts that are in the Back Panels.



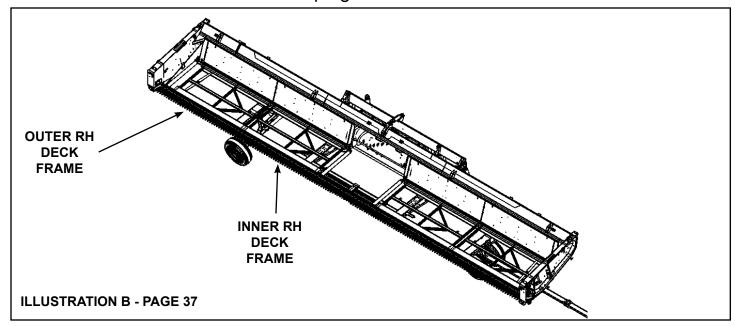
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• Finish fastening the Outer RH Deck Frame Back Panel to the Back Panel Hangers.



Slide the Outer RH Deck Frame up against the Inner RH Deck Frame.



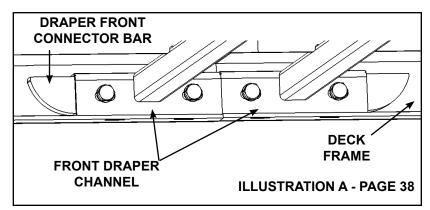


STEP 8B - Fasten Inner and Outer RH Decks together

- Align Deck Frames.
- Slide the DRAPER FRONT CONNECTOR BAR (Item 1) into the Front Draper Channel.



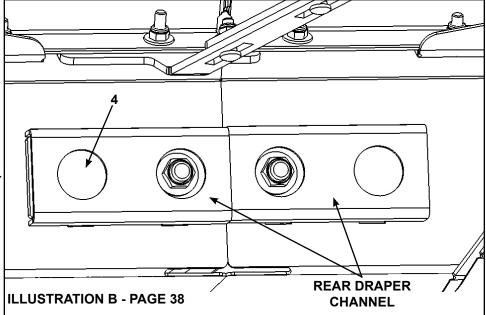
The Front Draper Channel is located inside the Draper Frame.



- Using four of each BOLT (Item 3), and WASHER (Item 2), fasten the DRAPER FRONT CONNECTOR BAR into place.
- Slide the DRAPER
 REAR CONNECTOR
 BAR (Item 4) into the
 Rear Draper Channel.



The Rear Draper Channel is located on the outside of the Draper Frame.



 To fasten the DRAPER REAR CONNECTOR BAR in place use two of each BOLT (Item 5), WASHER (Item 6), and NUT (Item 7).

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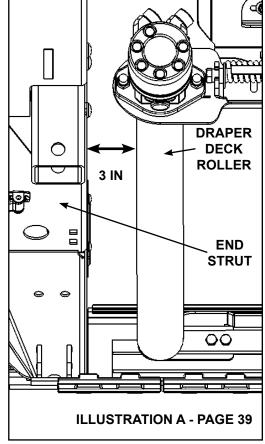


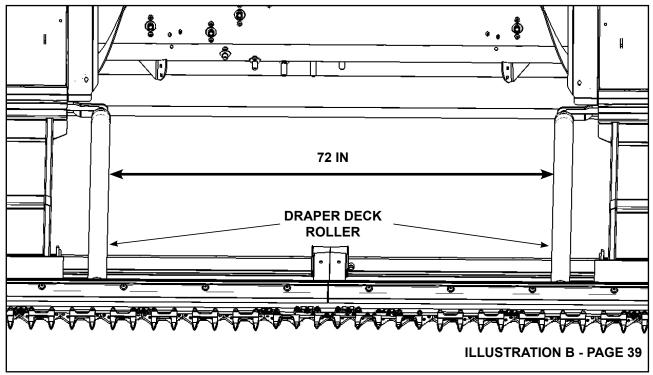
STEP 8C - Locate

- Slide both, completed **Deck Frames** to approximately **3 inches** from the inside of the **End Struts**.
- Make sure that the Deck Frames are 72 inches apart in the center of the Table. Keep them centered by making sure the distance to the End Struts is the same on both ends.



Measurements are made from the outside of the **Draper Deck Rollers**.

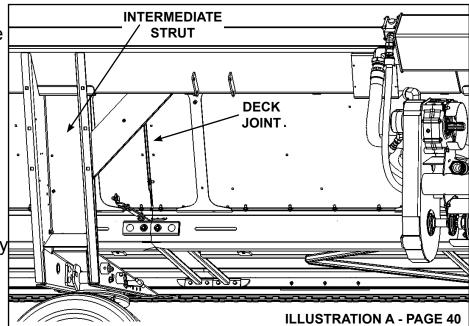




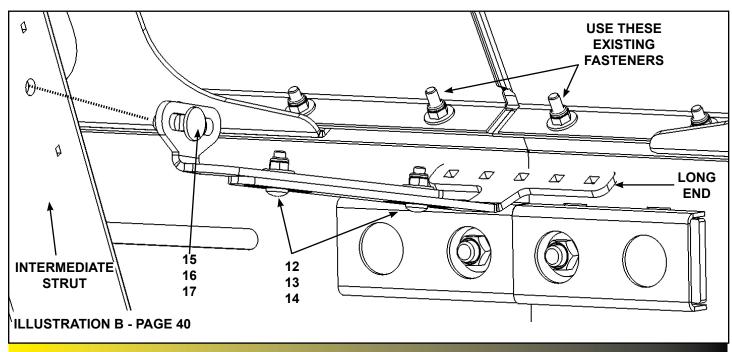


STEP 8D - Secure Decks

- Find the Deck joints on the inside of the Intermediate Struts, and remove the fasteners on either side of the Deck joint.
- Take a set of either RH
 or LH DRAPER DECK
 RESTRAINER BARS
 (Items 8 through 11) and
 fasten them together loosely
 with BOLT (Item 12),
 WASHER (Item 13), and
 NUT (Item 14).



- Fasten the Long End of the Restrainer Bar Set to the Draper Deck using the fasteners that you removed. Use the holes in the Restrainer Bar that will allow it to reach the side of the Strut.
- Fasten the other end to the side of the Strut with BOLT (Item 15), WASHER (Item 16), and NUT (Item 17).
- Tighten all fasteners, and repeat for other side.



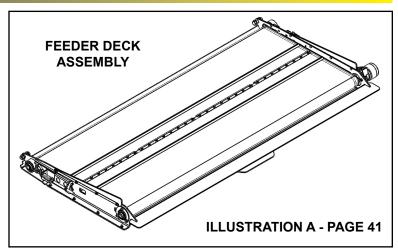
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STEP 9 - Feeder Deck Installation



The Feeder Deck will come installed in one or none of the Tables that you recieve. When it has been installed it will be held up, at the rear, by a bracket that can be taken off and discarded.

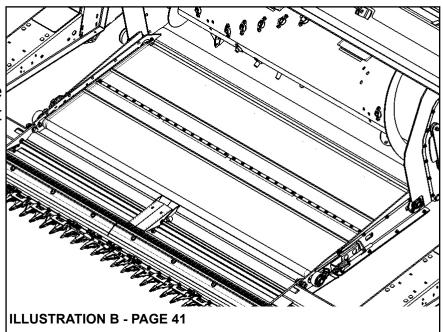


ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	19606	BOLT 5/8 X 2-1/4 UNC GR5	2
2	19940	WASHER SAE 5/8	4
3	26883	NUT 5/8 UNC C/LOCK	2

You will need a Safe Lifting Device that will enable you to pick up the Feeder Deck Assembly, move it under the Table Frame from the front, and raise the rear into place before the front.



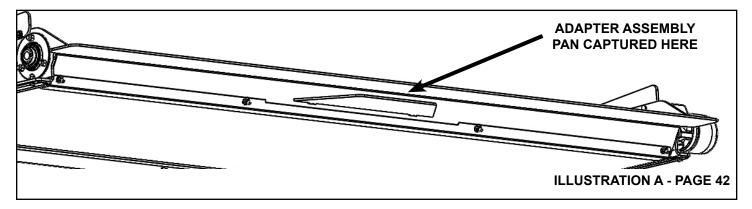
The Feeder Deck Assembly is Very **WARNING** Heavy. Use extreme caution, and stay out from underneath it.



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- With a Safe Lifting Device bring the Feeder Deck Assembly under the Table Frame from the front of the Table.
- Raise the rear of the Feeder Deck Assembly so that it captures the Adapter Assembly Pan.

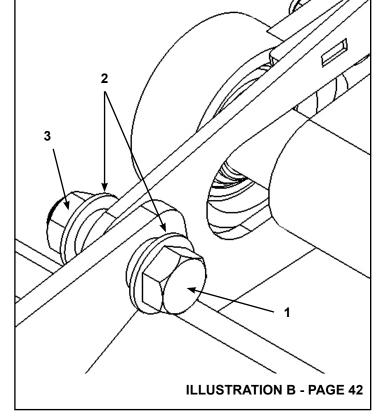


 Raise the front of the Feeder Deck Assembly and line it up with the lugs in the Rock Trap Frame.

• Fasten it in place using two **BOLTS (Item 1)**, four **WASHERS (Item 2)**, and two

NUTS (Item 3). Do not tighten.

 Once the fasteners are in place remove lifting device.



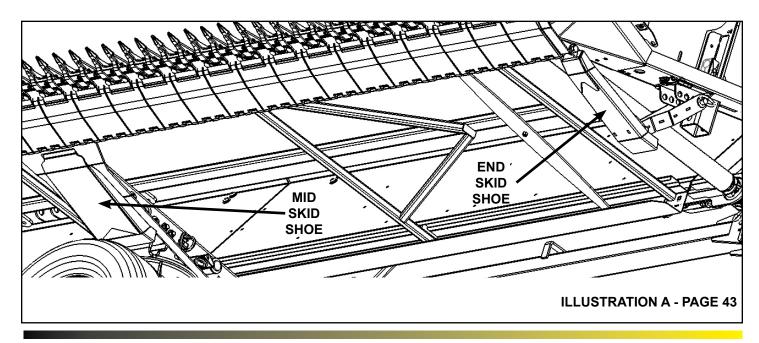
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STEP 10 - Skid Shoe Installation

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	G86686	SKID SHOE MOUNTING BRACKET-END	2
2	22017	BOLT 3/8 X 1 UNC BUTTON HD GR5	8
3	19936	WASHER SAE 3/8	8
4	19981	NUT 3/8 UNC C/LOCK	8
5	G86693	SKID SHOE SUPPORT LEG - END	2
6	25042	HITCH PIN 3/4 X 4-1/2 COMP	2
7	G86704	SKID SHOE - RH END	1
8	G86705	SKID SHOE - LH END	1
9	19564	BOLT 1/2 X 3-1/2 UNC GR5	2
10	19975	NUT 1/2 UNC C/LOCK	18
11	G87899	SKID SHOE MOUNT PLATE - MID	8
12	19710	BOLT 1/2 X 1 UNC CARR GR5	16
13	19924	WASHER FLAT 1/2	16
14	G87898	SKID SHOE - MID	4
15	P87892	LOCK PIN-BENT-1/2 X 8-1/2	4
16	27410	LYNCH PIN 3/16 X 1	4

Skid Shoes are provided for the outer and inner Struts.





STEP 10A - End Skid Shoes

- Fasten SKID SHOE MOUNTING BRACKET (Item 1) to the bottom of your first End Strut with four BOLTS (Item 2), WASHERS (Item 3), and NUTS (Item 4).
- Pin the SKID SHOE SUPPORT LEG (Item 5) to the SKID SHOE MOUNTING BRACKET with HITCH PIN (Item 6).

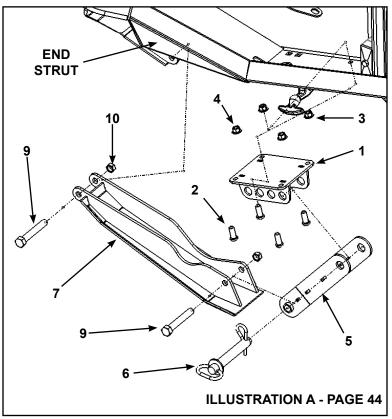


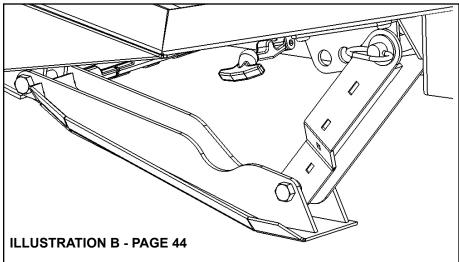
Choose the rear most set of holes in the SKID SHOE MOUNTING BRACKET at this time.

Fasten the SKID SHOE (Item 7 or 8) to the lug at the front of the End Strut with one BOLT (Item 9), and NUT (Item 10). Leave loose for movement.

 Attach the SKID SHOE to the SKID SHOE SUPPORT with one BOLT (Item 9), and NUT (Item 10).

Perform the same steps for the other side of the Table Frame.





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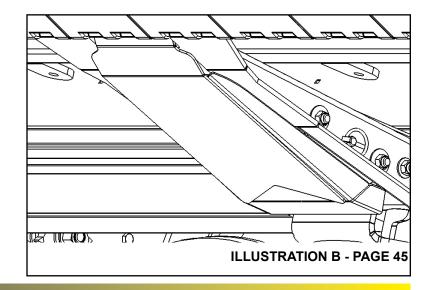


STEP 10B - Mid Skid Shoes

Fasten two SKID SHOE MOUNT PLATES (Item 11) to the inside of the your first Strut with two (for each) BOLTS (Item 12), WASHER (Item 13), and NUT (Item 10).

- Slide the SKID SHOE (Item 14) up and forward into the slot at the bottom front of the Strut.
- Pin the SKID SHOE in place with one LOCK PIN (Item 15), and LYNCH PIN (Item 16).

Perform these same steps for all four inner Table Frame Struts.





STEP 11A to 11D - Reel Mount System - Solid Reel/Common

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	85947	HYDRAULIC CYLINDER 1.47 X 16 THRDED	1
2	85948	HYDRAULIC CYLINDER 1-1/2 X 16 THRDED	1
3	77258	CLEVIS PIN 5/8 X 2-1/8	2
4	25899	COTTER PIN 3/16 X 1-1/4	2
5	G85752	REELARM	2
6	19643	BOLT 3/4 X 4 UNC GR5	2
7	19955	WASHER LOCK 3/4	4
8	19807	NUT 3/4 UNC	2
9	28376	NUT 7/8 UNC JAM PLTD	2
10	P88014	REEL MOUNT SLEEVE-PLTD	2
11	28268	CLEVIS PIN 5/8 X 3	2
12	25357	COTTER PIN 5/32 X 1-1/4	2
13	G85864	REEL ARM CYLINDER LOCK	2
14	25046	QUICK PIN 5/16 X 2-1/2	2
15	G85867	REEL ARM DEFLECTOR	2
16	28267	CLEVIS PIN 5/8 X 2-1/2	2
17	27947	COTTER PIN 1/8 X 2-3/4-BOWTIE	2
18	G85975	UPPER REEL ARM BRACE	2
19	G85976	LOWER REEL ARM BRACE	2
20	19611	BOLT 5/8 X 3-1/2 UNC GR5	2
21	19856	NUT 5/8 UNC NYLOCK	2
22	19747	BOLT 1/2 X 1-1/2 UNC CARR GR5	4
23	28168	WASHER 1/2 X 1.273 OD CONTACT BVLL	4
24	19975	NUT 1/2 UNC C/LOCK	4
25	19635	BOLT 3/4 X 2 UNC GR5	2
26	19807	NUT 3/4 UNC	2

The Step 11 Instructions will be for a Solid Reel System. Step 12 will continue to finish a Split Reel System.

If the HYDRAULIC CYLINDERS do not come with the Hydraulic fittings installed refer to the Hydraulics Section for the correct fittings so you can install them before the Cylinders are installed.

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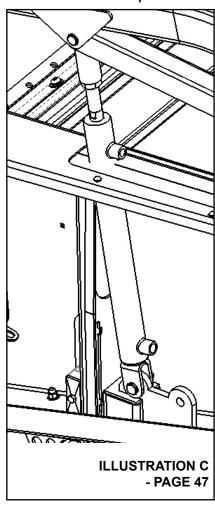
STEP 11A - Reel Lift Cylinder

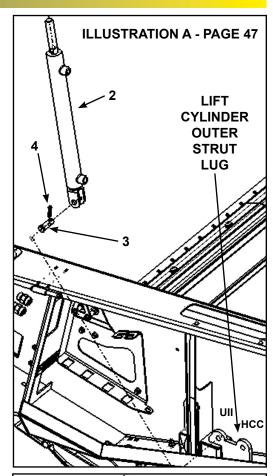
 Take HYDRAULIC CYLINDERS (Item 1-RH, or Item 2-LH) and pin it to the Lift Cylinder Outer Strut Lug with one CLEVIS PIN (Item 3), and COTTER PIN (Item 4).

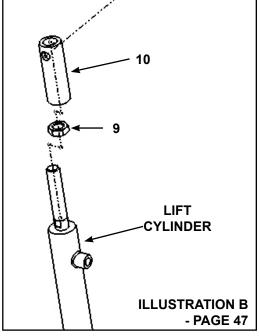


The front pin hole in the Lug is for a **UII Reel**, and the rear hole is for a **HCC Reel**.

 Onto the top of the Lift Cylinders thread one NUT (Item 9), then one REEL MOUNT SLEEVE (Item 10) After threading them about half way down lock the SLEEVE in place with the NUT.







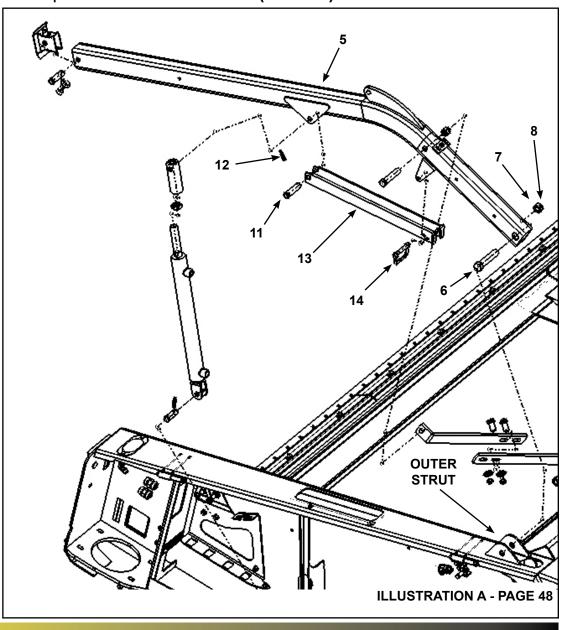


STEP 11B - Reel Arms

- Fasten REEL ARM (Item 5) to the top of the Outer Strut with one BOLT (Item 6),
 WASHER (Item 7), and NUT (Item 8).
- Pin the Lift Cylinder Assembly, and the REEL ARM CYLINDER LOCK (Item 13) to the bottom of the REEL ARM with one CLEVIS PIN (Item 11), and COTTER PIN (Item 12).
- Swing the REEL ARM CYLINDER LOCK up into its Storage Clevis under the REEL ARM. Hold it in place with a QUICK PIN (Item 14).



Make sure that the **TRANSPORT LIGHT HARNESS** is threaded through the RH Reel Arm for use in the Light Assembly Section. Refer to the Light Assembly Section for orientation.



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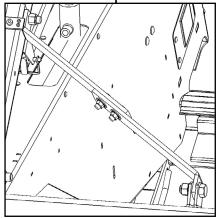
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STEP 11C - Reel Arm Brace

- Fasten UPPER REEL ARM
 BRACE (Item 18) to the inside
 of the Reel Arm with one BOLT
 (Item 20), and NUT (Item 21).
 Leave loose for now.
- Secure a LOWER REEL ARM BRACE (Item 19) to the Upper Tube of the Table Frame with one BOLT (Item 25), WASHER (Item 7), and NUT (Item 26). Leave loose also.
- Secure a LOWER REEL ARM BRACE and UPPER REEL ARM BRACE with two BOLTS (Item 22), WASHERS (Item 23), and NUTS (Item 24). Leave loose.



These fasteners can be tightened after the Reel is installed, and Centering is taking place.



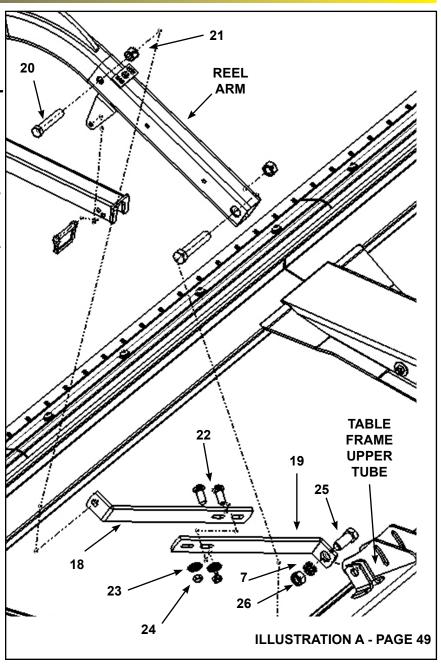
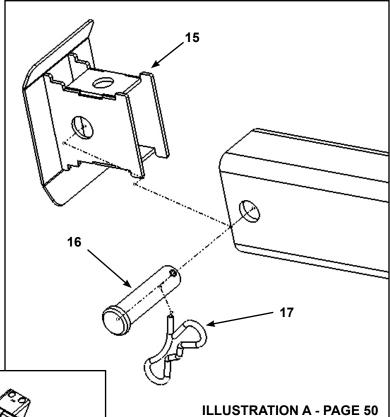


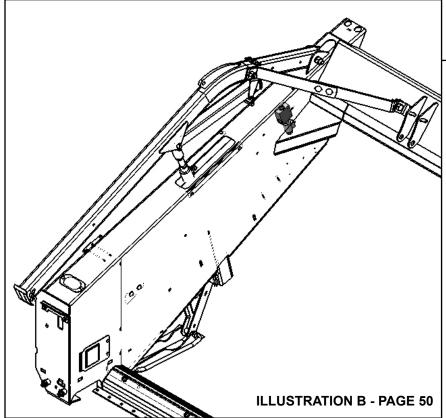
ILLUSTRATION B - PAGE 49



STEP 11D - Reel Arm Deflector

- Insert the REEL ARM
 DEFLECTOR (Item 15) into
 the front end of the Reel Arm,
 lining up the hole at the end
 of the arm with the hole in the
 Deflector.
- Secure with a CLEVIS PIN (Item 16), and a BOWTIE COTTER PIN (Item 17).





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STEP 11E to 11F - Reel Mount System - Solid Reel/Common

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	85946	HYDRAULIC CYLINDER 1-3/4 X 16	2
2	87052	FORE/AFT INDICATOR ASSEMBLY	1
3	77258	CLEVIS PIN 5/8 X 2-1/8	4
4	25899	COTTER PIN 3/16 X 1-1/4	4
5	G85959	REEL & REEL DRIVE MOUNT	1
6	G85958	REEL MOUNT	1
7	26867	BOLT 1/2 X 4 UNC CARR FULL GR5	4
8	19938	WASHER SAE 1/2	4
9	19975	NUT 1/2 UNC C/LOCK	4
10	P85973	SPACER-1.0 X .520 X 2-3/8 PLTD	4
11	75200	REEL MOUNT CHANNEL	2
12	19754	BOLT 3/8 X 1-1/4 UNC CARR GR5	8
13	19936	WASHER SAE 3/8	8
14	19981	NUT 3/8 UNC C/LOCK	8
15	26600	HYDRAULIC TUBE CLAMP-1/2	2
16	26590	HYDRAULIC TUBE CLAMP COVER	2
17	19480	BOLT 5/16 X 1-3/4 UNC GR5	2
18	26588	HYDRAULIC TUBE CLAMP-3/4	1
19	26687	HYDRAULIC TUBE CLAMP WASHER	1
20	26686	HYDRAULIC TUBE CLAMP STACK BOLT	1

The Step 11 Instructions will be for a Solid Reel System. Step 12 will continue to finish a Split Reel System.



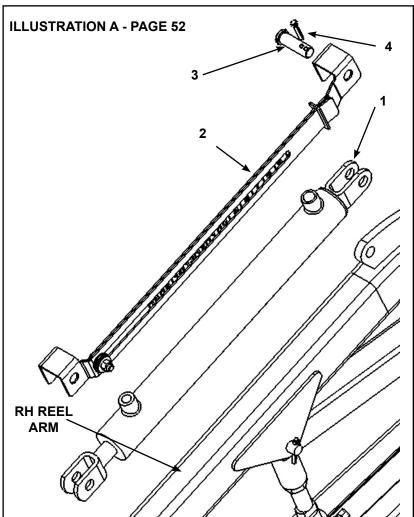
STEP 11E - Reel FORE & AFT HYDRAULIC CYLINDERS

- On the RH Reel Arm align the Barrel End of HYDRAULIC CYLINDER (Item 1), one end of the FORE/AFT INDICATOR ASSEMBLY (Item 2) with the Lug Hole as shown.
- Secure them in place with CLEVIS PIN (Item 3), and COTTER PIN (Item 4).



Perform the same steps for the LH side, but you will not need another FORE/AFT INDICATOR.

The numbers on the FORE/AFT INDICATOR will start at the back of the Table (see Illustration B).



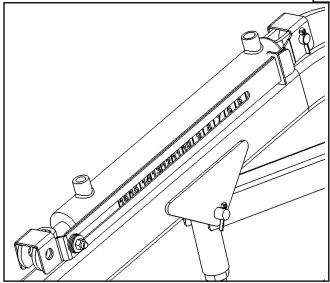


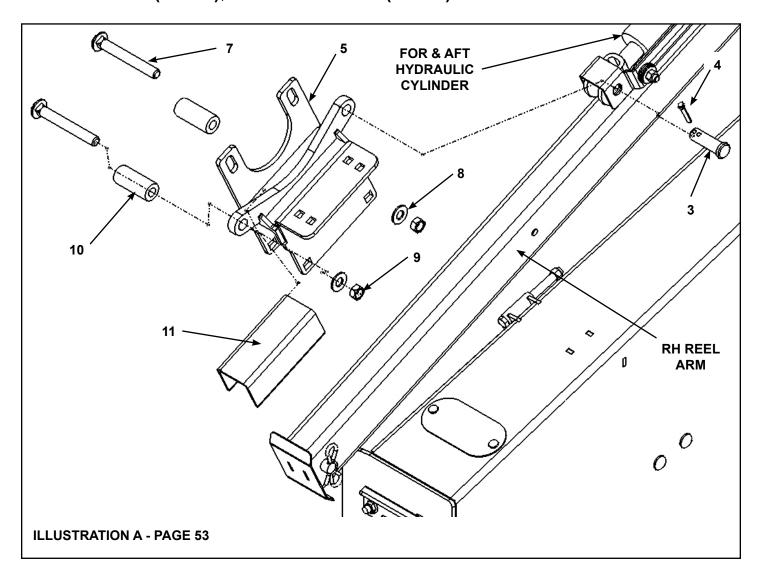
ILLUSTRATION B - PAGE 52

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STEP 11F - Reel and Reel Drive Mounts

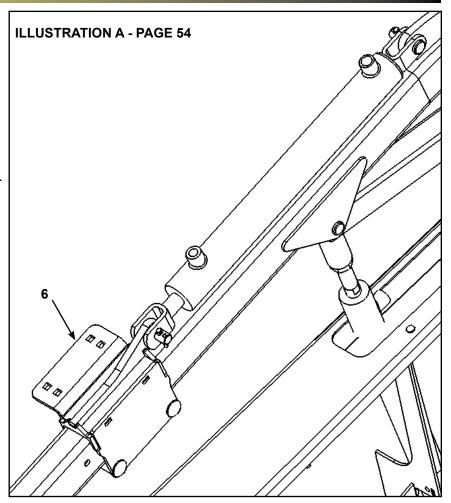
- Place the REEL MOUNT CHANNEL (Item 11) up inside the bottom of the REEL & DRIVE MOUNT (Item 5).
- Seat the REEL & DRIVE MOUNT onto the Reel Arm.
- Loosely install the fasteners (Items 7 to 10) onto the REEL & DRIVE MOUNT.
 Make sure that you place the SPACER (Item 10) inside of the REEL & DRIVE MOUNT Channel.
- Fasten the REEL & DRIVE MOUNT to the Fore & Aft Hydraulic Cylinder with one CLEVIS PIN (Item 3), and COTTER PIN (Item 4).





As you can see in this Illustration the LH side is just a **REEL MOUNT (Item 6)**, and not the **REEL & DRIVE MOUNT**. It is assembled in the same way.

Once everything is in place tighten the fasteners on the REEL MOUNTS.



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STEP 12 - Reel Mount System - Split Reel Specific

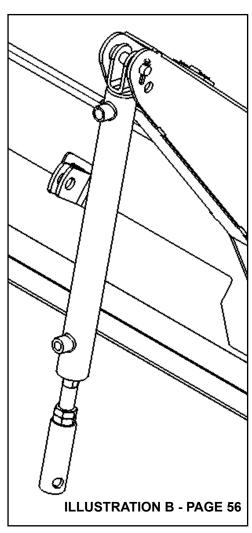
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	G87078	CENTER REEL TOWER	1
2	85948	HYDRAULIC CYLINDER 1-1/2 X 16 THRDED	1
3	28268	CLEVIS PIN 5/8 X 3	2
4	25357	COTTER PIN 5/32 X 1-1/4	2
5	28376	NUT 7/8 UNC JAM PLTD	2
6	P88014	REEL MOUNT SLEEVE	1
7	G87056	CENTER REEL ARM	1
8	P81039	SPACER-1.05 X .85 X 2-1/16 PLTD	1
9	82883	WASHER 5/8 BELLEVILLE	2
10	G87067	CENTER REEL MOUNT	1
11	26867	BOLT 1/2 X 4 UNC CARR FULL GR5	2
12	P85973	SPACER-1.0 X .520 X 2-3/8 PLTD	2
13	19938	WASHER SAE 1/2	2
14	19975	NUT 1/2 UNC C/LOCK	2
15	75200	REEL MOUNT CHANNEL	1
16	85946	HYDRAULIC CYLINDER 1-3/4 X 16	1
17	19613	BOLT 5/8 X 4 UNC GR5	1
18	19856	NUT 5/8 UNC NYLOCK	1
19	27599	CLEVIS PIN 5/8 X 1-3/4	1
20	27947	COTTER PIN 1/8 X 2-3/4-BOWTIE	2
21	G87091	CENTER REEL ARM DEFLECTOR	1
22	28267	CLEVIS PIN 5/8 X 2-1/2	1
23	85976	LOWER REEL ARM BRACE	2
24	85974	UPPER REEL ARM BRACE	2
25	19635	BOLT 3/4 X 2 UNC GR5	2
26	19807	NUT 3/4 UNC	2
27	19955	WASHER LOCK 3/4	2
28	19613	BOLT 5/8 X 4 UNC GR5	1
29	19856	NUT 5/8 UNC NYLOCK	1
30	19747	BOLT 1/2 X 1-1/2 UNC CARR GR5	4
31	28168	WASHER 1/2 X 1.273OD CONTACT BVLL	4
32	19975	NUT 1/2 UNC C/LOCK	4
33	26600	HYDRAULIC TUBE CLAMP-1/2	6
34	26590	HYDRAULIC TUBE CLAMP COVER	6
35	19480	BOLT 5/16 X 1-3/4 UNC GR5	6

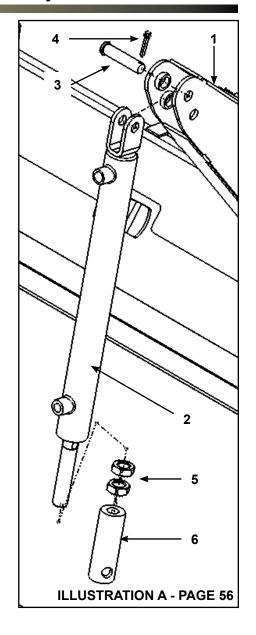


STEP 12A - Center Reel Arm Lift Cylinder Installation

- Fasten the Barrel End of the HYDRAULIC CYLINDER (Item 2) to the CENTER REEL TOWER (Item 1), which will be already installed, with one CLEVIS PIN (Item 3), and one COTTER PIN (Item 4).
- Thread two NUTS (Item 5) onto the Shaft End of the HYDRAULIC CYLINDER.
- Thread the REEL MOUNT SLEEVE (Item 6) onto the Shaft End of the HYDRAULIC CYLINDER.

The **NUTS** and **SLEEVE** should be left loose for adjustment later on.



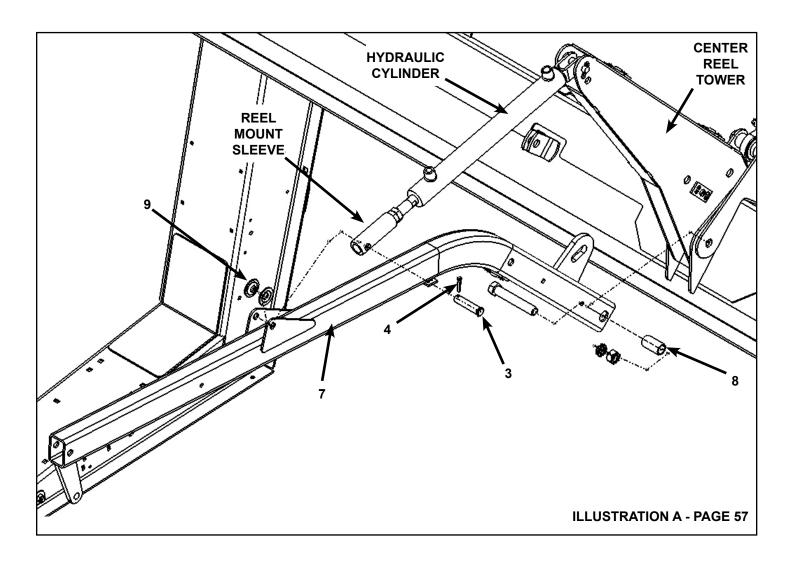


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STEP 12B - Center Reel Arm Installation

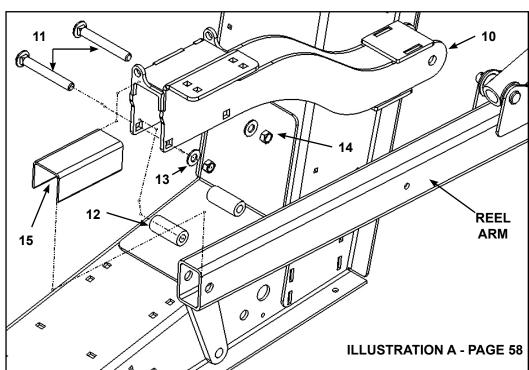
- Remove the front fasteners from the Center Reel Tower mounting.
- Insert SPACER (Item 8) into the rear hole in the CENTER REEL ARM (Item 7), and reinstall the fasteners from the previous step.
- Attach the CENTER REEL ARM to the HYDRAULIC CYLINDER by placing two BELLEVILLE WASHERS (Item 9) on either side of the Reel Mount Sleeve (the raised side must face the Sleeve), then pin in place with one CLEVIS PIN (Item 3), one COTTER PIN (Item 4).

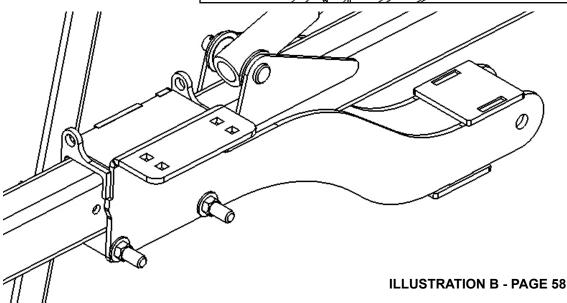




STEP 12C - Center Reel Mount Installation

- Insert the REEL MOUNT CHANNEL (Item 15) up inside the bottom of the CENTER REEL MOUNT (Item 10).
- Slide the Reel Arm through the CENTER REEL MOUNT so that the mount rests on the arm.
- Fasten the
 CENTER REEL
 MOUNT in place
 with two BOLTS
 (Item 11), two
 SPACERS (Item
 12), two WASHERS
 (Item 13), and two
 NUTS (Item 14).



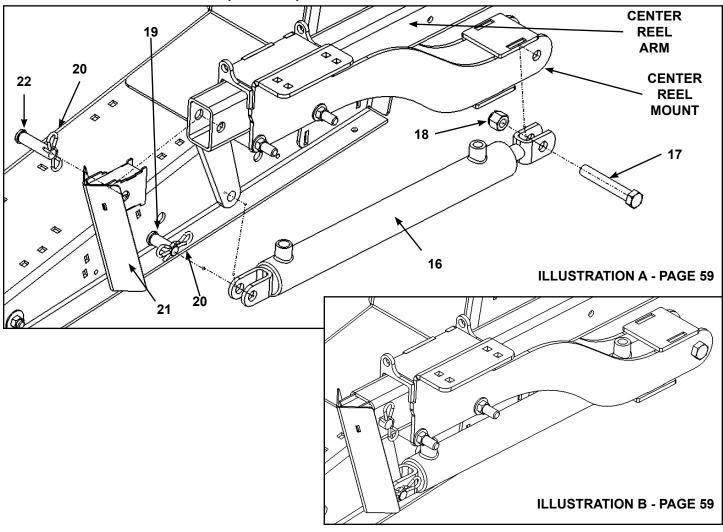


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STEP 12D - Center Reel Mount Hydraulic Cylinder Installation

- Slide the Rod End of the HYDRAULIC CYLINDER (Item 16), from the front, to the rear bolt hole in the Center Reel Mount.
- Fasten the HYDRAULIC CYLINDER with one BOLT (Item 17), and one NUT (Item 18).
- Raise the Barrel End of the HYDRAULIC CYLINDER to the front Center Reel Arm Lug and attach it with one CLEVIS PIN (Item 19), and one BOWTIE COTTER PIN (Item 20).
- Insert the CENTER REEL ARM DEFLECTOR (Item 21) into the front end of the Center Reel Arm and fasten it in place with one CLEVIS PIN (Item 22), and one BOWTIE COTTER PIN (Item 20).





STEP 12E - Reel Arm Brace

Secure a LOWER REEL ARM BRACE (Item 23) to the Upper Tube of the Table
Frame with one BOLT (Item 25), WASHER (Item 27), and NUT (Item 26). Leave
loose. Do the same with the other side of the Center Reel Arm.

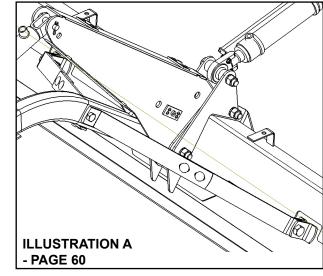
 Fasten UPPER REEL ARM BRACES (Item 24) to both sides of the Center Reel Arm with one BOLT (Item 28), and NUT (Item 29). Leave loose for now

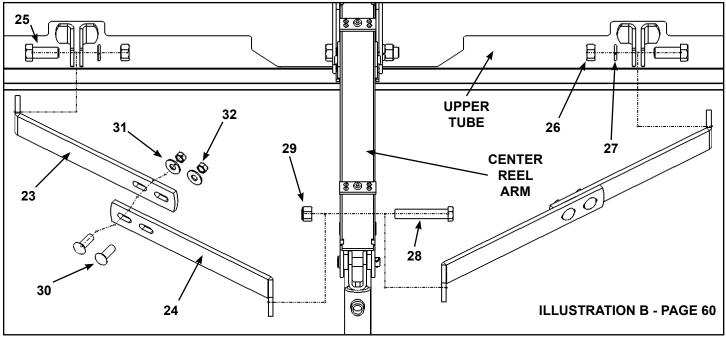
Secure a LOWER REEL ARM BRACES and UPPER REEL ARM BRACES with two BOLTS (Item 30), two WASHERS (Item 31), and two NUTS (Item 32). Leave

loose also.



These fasteners can be tightened after the Reel is installed, and Centering is taking place.





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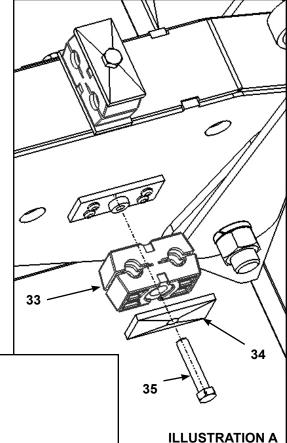
STEP 12F - Center Reel Arm Hydraulic Tube Clamp Installation

 Fasten one HYDRAULIC TUBE CLAMP (Item 33), and one HYDRAULIC TUBE CLAMP COVER (Item 34), with one BOLT (Item 35).

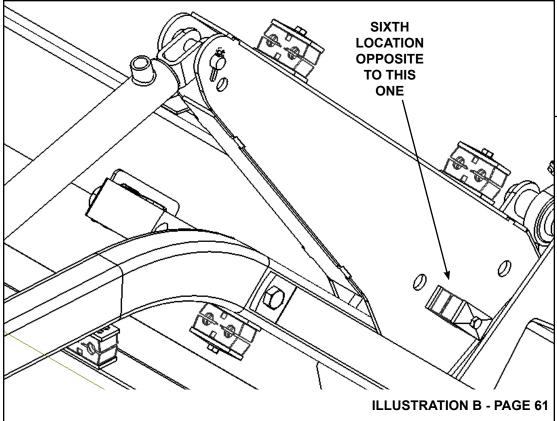


There are **six locations** on the Center Reel Mount which require the above assembly.

Do not tighten these as you will have to route Hydraulic Hoses through them later.

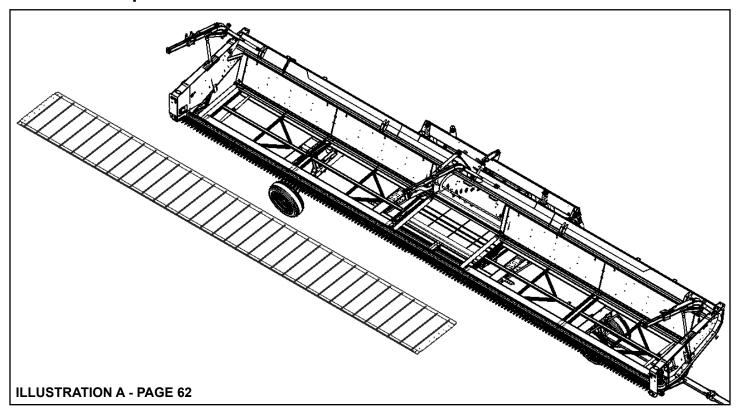


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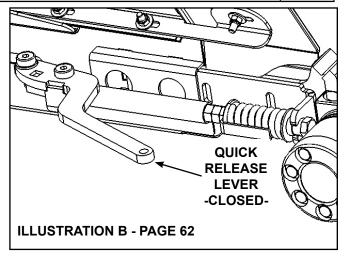


STEP 13 - Draper Installation



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	87781	DRAPER - FLEX SEAL	2
2	87778	CONNECTOR BAR	4
3	28345	MACHINE SCREW #12-24 X 1.25 GR8 Z	22
4	27064	NUT #12/24 HEX C/LOCK GR B Z	22

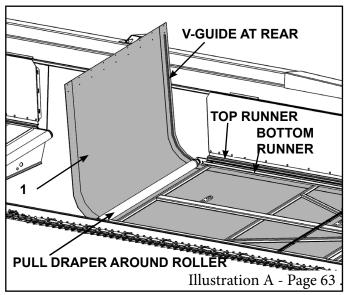
 Make sure that the Quick Release Lever is in the OPEN position prior to installing the draper on the deck.

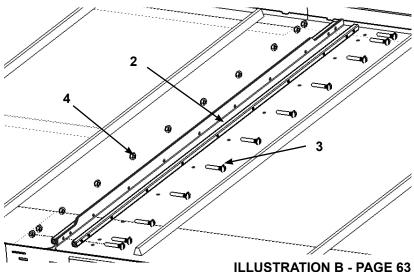


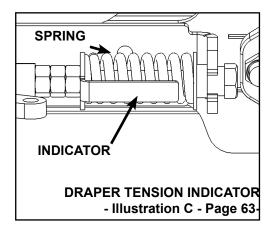
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- Place DRAPER (Item 1) bundle on the top of Deck Runners, and unroll with the Slats facing up. Be sure to align the V-guide with the notched side of the roller toward the rear end of the Table.
- Wrap DRAPER around one of the rollers and feed it into the Bottom Runner of the deck. The Bottom Runners will support the DRAPER, and prevent it from hanging down.
- Pull DRAPER through Bottom Runner, and wrap around the other roller. Pull the ends of the DRAPER together. Install a CONNECTOR BAR (Item 2) set to close the joint.
- The heads of the SCREWS (Item 3)
 for the CONNECTOR BAR should
 be installed from the centre opening
 side. This helps prevent the crop
 being caught on the SCREWS.
 Install the NUTS (Item 4).
- Once the draper is installed on the draper deck, close the quick release lever to apply tension to the draper.



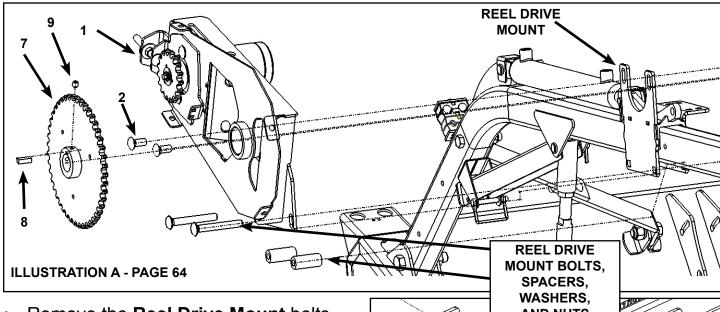






ASSEMBLY STEP 14 - Reel Drive Installation

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	88952	REEL DRIVE ASSY	1
2	26266	BOLT 1/2 X 1-1/4 UNC CARR GR5	2
3	19938	WASHER SAE 1/2	2
4	19975	NUT 1/2 UNC C/LOCK	2
5	26020	SHAFT WSHR	2
6	85847	REEL DRIVE SHAFT	1
7	P87114	REEL DRIVE SPROCKET	1
8	26659	KEY 3/8 X 3/8 X 1-3/16	1
9	21659	SET SCREW-SCKT 3/8 X 1/2	1



- Remove the Reel Drive Mount bolts, spacers, washers, and nuts.
- Attach the REEL DRIVE ASSEMBLY (Item 1) to the Reel Drive Mount with two BOLTS (Item 2), two WASHERS (Item 3), and two NUTS (Item 4).
- Reinstall the Reel Drive Mount bolts, spacers, washers, and nuts.

WASHERS, AND NUTS

3

4

6

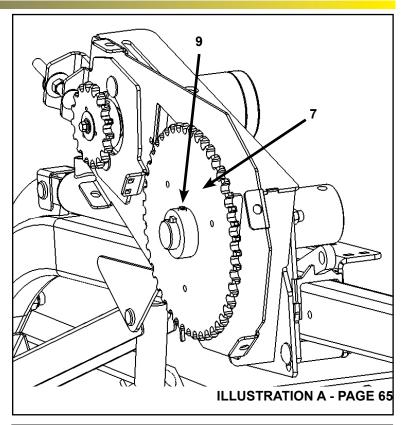
ILLUSTRATION B - PAGE 64

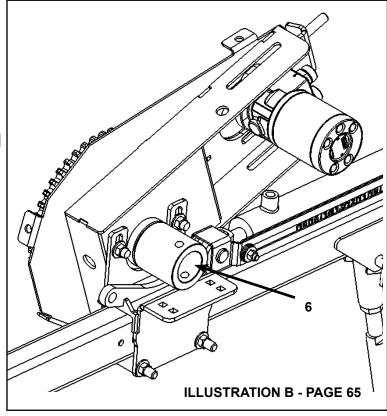
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- Honey Bee
- Place the WASHERS (Item 5) onto the REEL DRIVE SHAFT (Item 6) -Illustration B Pq 64.
- Insert the **REEL DRIVE SHAFT** into the REEL DRIVE ASSEMBLY -Illustration A Pg 64.
- Install the **KEY** (Item 8) into the **Key** Slot of the REEL DRIVE SHAFT -Illustration A Pg 64.
- Slide the **REEL DRIVE SPROCKET** (Item 7) onto the REEL DRIVE SHAFT.
- Secure the **REEL DRIVE SPROCKET** with the **SET SCREW** (Item 9).



The REEL DRIVE ASSEMBLY and the **IMPORTANT** components described above need to be installed onto the RH end of the Reel to be installed onto the Reel Arms together.





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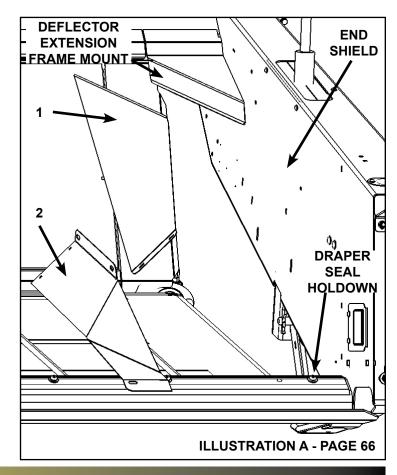


ASSEMBLY STEP 15 - Deflector Extension Installation

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	G87901	DEFLECTOR EXTENSION-REAR-LH	1
2	G87904	DEFLECTOR EXTENSION-FRONT-LH	1
3	G87902	DEFLECTOR EXTENSION-REAR-RH	1
4	G87905	DEFLECTOR EXTENSION-FRONT-RH	1
5	19731	BOLT 3/8 X 1 UNC CARR GR5	2
6	19922	WASHER FLAT 3/8	2
7	19902	NUT 3/8 UNC F/LOCK	2
8	27168	BOLT 1/4 X 1/2 UNC CARR GR5	4
9	19900	NUT 1/4 UNC F/LOCK	4

Repeat the following steps for the opposite side of the Table.

- Attach the DEFLECTOR EXTENSION-REAR (Item 1 or 3) with two BOLTS (Item 8), and two NUTS (Item 9) to the Deflector Extension Frame Mount.
- Remove the outward most Draper
 Seal Holdown bolt and washers.
- Lay the DEFLECTOR EXTENSION-FRONT (Item 2 or 4) onto the bottom lip of the DEFLECTOR EXTENTION-REAR and loosley fasten it with two BOLTS (Item 8), and two NUTS (Item 9).
- Re-install the Draper Seal Holdown bolt and washers, loosely, securing the DEFLECTOR EXTENSION-FRONT to the top of the Draper Seal Holdown.
- Fasten the DEFLECTOR
 EXTENSION-FRONT to the End
 Shield with two BOLTS (Item 5), and two NUTS (Item 6).



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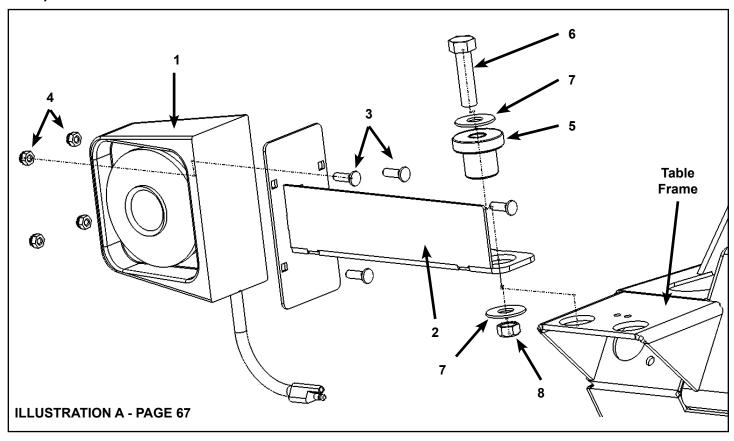


ASSEMBLY STEP 16A - Operation Light Assembly Installation

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	27845	LAMP-AMBER	2
2	G87273	CLEARANCE LIGHT MOUNT	2
3	26607	BOLT 1/4 X 1 UNC CARR GR5	8
4	19850	NUT 1/4 UNC NYLOCK	8
5	25218	RUBBER MOUNT	2
6	19558	BOLT 1/2 X 2 UNC GR5	2
7	19924	WASHER FLAT 1/2	4
8	19975	NUT 1/2 UNC C/LOCK	2

Repeat the following steps for the opposite side of the Table.

- Fasten the LAMP (Item 1) to the CLEARANCE LIGHT MOUNT (Item 2) with four BOLTS (Item 3), and four NUTS (Item 4).
- Secure the CLEARANCE LIGHT MOUNT to the Table Frame with one RUBBER MOUNT (Item 5), one BOLT (Item 6), two WASHERS (Item 7), and one NUT (Item 8).

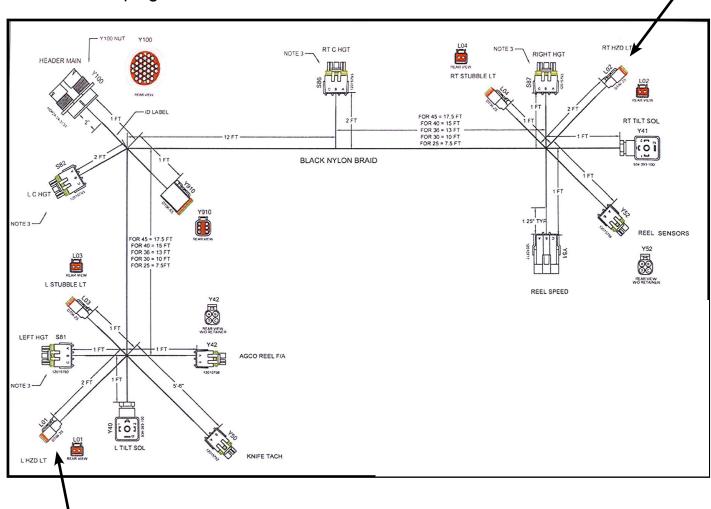




Connect the LAMPS to the Main Wiring Harness that runs through the upper tube.

The LH LAMP plugs into the L01 connector.

The RH LAMP plugs into the L02 connector.



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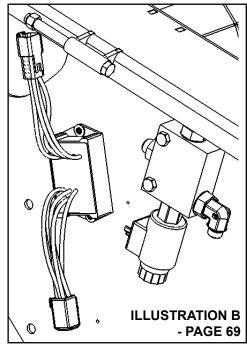
ASSEMBLY STEP 16B - Transport Light Assembly Installation

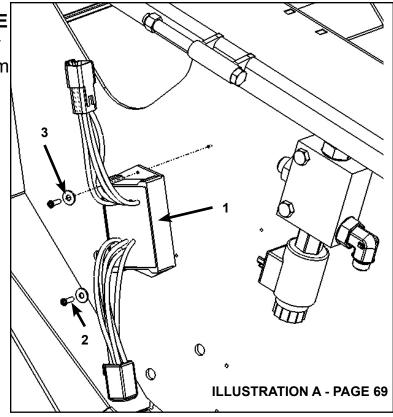
ITEM NO.	PART NO.	DESCRIPTION	QTY
1	87304	TRANSPORT LIGHT MODULE	1
2	26630	TEK SCREW # 8 X 1/2	2
3	19996	WASHER FLAT #10	2
4	G87428	TRANSPORT LIGHT MOUNT - LH	1
5	25218	RUBBER MOUNT	1
6	19558	BOLT 1/2 X 2 UNC GR5	1
7	19924	WASHER FLAT 1/2	2
8	19975	NUT 1/2 UNC C/LOCK	1
9	87300	TRANSPORT LIGHT - DUEL - LH	1
10	26607	BOLT 1/4 X 1 UNC CARR GR5	8
11	19850	NUT 1/4 UNC NYLOCK	8
12	G87424	TRANSPORT LIGHT MOUNT - RH	1
13	27848	TRANSPORT LIGHT - DUEL - RH	1

 Screw the TRANSPORT LIGHT MODULE (Item 1) to the inside of the RH Outer Strut using two TECK SCREWS (Item 2), and two WASHERS (Item 3).

If the TRANSPORT LIGHT MODULE
 was not previously installed you may
 have to drill a pilot hole for the bottom

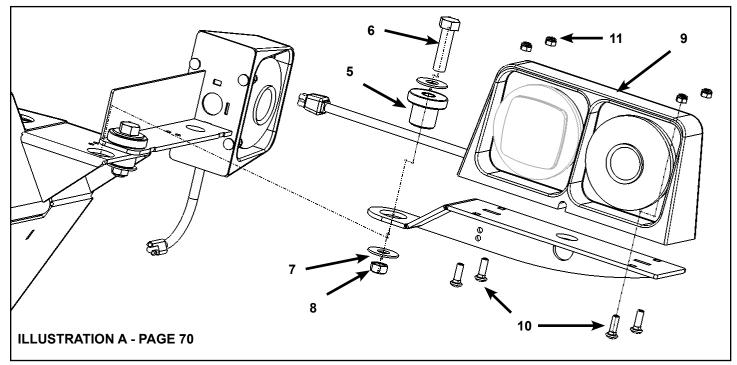




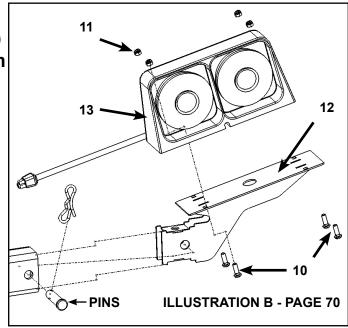




- Fasten the TRANSPORT LIGHT (Item 9) to the TRANSPORT LIGHT MOUNT (Item 4) with four BOLTS (Item 10), and four NUTS (Item 11).
- Secure the TRANSPORT LIGHT MOUNT to the Table Frame with one RUBBER MOUNT (Item 5), one BOLT (Item 6), two WASHERS (Item 7), and one NUT (Item 8).



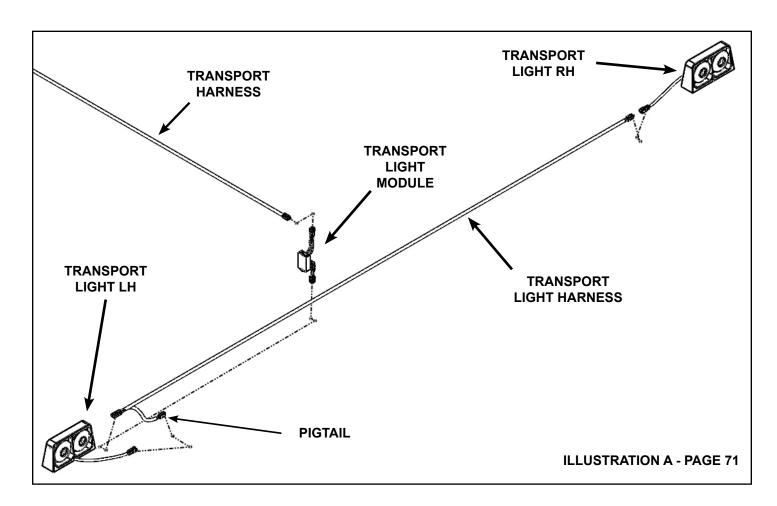
- Attach the TRANSPORT LIGHT (Item 13) to the TRANSPORT LIGHT MOUNT (Item 12) with four BOLTS (Item 10), and four NUTS (Item 11).
- Remove the Reel Arm Deflector from the end of the RH Reel Arm. Retain the Pins.
- Slide the TRANSPORT LIGHT MOUNT (with TRANSPORT LIGHT) into the end of the RH Reel Arm. Pin in place with Retained Pins.



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- Connect the RH TRANSPORT LIGHT to the Transport Light Harness Terminal that is at the front end of the RH Reel Arm.
- Connect the TRANSPORT LIGHT MODULE to the Transport Light Harness
 Terminal on the LH end inside the RH Outer Strut.
- Connect the LH TRANSPORT LIGHT to the Transport Light Harness Pigtail
 inside the RH Outer Strut.
- Connect the TRANSPORT LIGHT MODULE to the Transport Harness which comes into the RH Outer Strut from the Upper Tube of the Table Frame.





STEP 17A - Hydraulic System Completion - Header Tilt

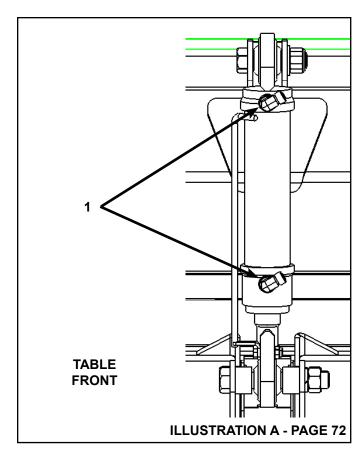
ITEM NO.	PART NO.	DESCRIPTION	TABLE LENGTH	QTY.
1	28061	ELBOW 4MF- 6MB -90	ALL	2
2	88315	HOSE 1/4X295 4FFX- 4FFX	36 FT	1
3	88317	HOSE 1/4X319 4FFX- 4FFX	40 FT	1
4	88321	HOSE 1/4X349 4FFX- 4FFX	45 FT	1
5	88316	HOSE 1/4X430 4FFX- 4FFX	36 FT	1
6	88318	HOSE 1/4X454 4FFX- 4FFX	40 FT	1
7	88322	HOSE 1/4X484 4FFX- 4FFX	45 FT	1



All Hoses have the Part Number printed on both ends of the Hose.

Refer to Operators Manual for correct procedure for Hydraulic Component installation.

- Insert one ELBOW (Item 1) in each port of the Header Tilt Cylinder.
- Attach the end of HOSE (Item 2,3, or 4) to the front fitting.
- Attach HOSE (Item 5, 6, or 7) to the rear fitting.



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Honey Bee Manufacturing Ltd. **2014 4000 Series Header**

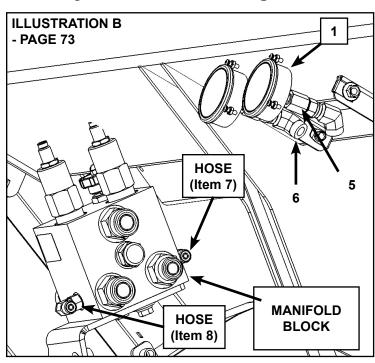
Skid Unit Assembly Manual

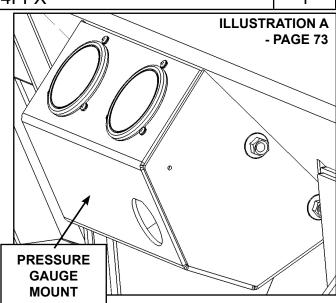


STEP 17B - Hydraulic System Completion - Subframe

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	86450	PRESSURE GAUGE	2
2	26617	SCREW-MACHINE # 6-32 X 1/2	6
3	27866	WASHER LOCK STAR # 6	6
4	26618	NUT # 6/32	6
5	28110	HYDRAULIC ADAPTOR 4MF - 4FB	2
6	28115	HYDRAULIC ELBOW SW 4MF- 4FFX-45	2
7	87664	HOSE 1/4X53 4FFX- 4FFX	1
8	87666	HOSE 1/4X58 4FFX- 4FFX	1

- Attach one of each HYDRAULIC FITTINGS (Item 5 then 6) to each PRESSURE GAUGE (Item 1).
- Attach one HOSE (Item 7 or 8) to each Pressure Gauge Assembly.
- Thread Pressure Gauge Assembly through the face of the Gauge Mount.





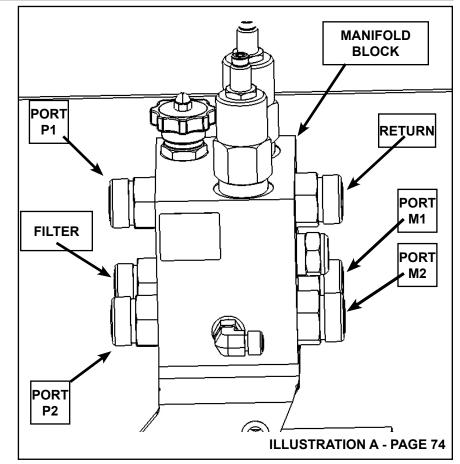
- Fasten Gauge Assemblies to the Gauge Mount with the SCREWS (Item 2), WASHERS (Item 3), and NUTS (Item 4). Assembly with HOSE (Item 7) goes on the LH side.
- Note the attachment points on the Manifold Block. These points will be explained in the next step.



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	87697	HOSE 3/4X15 12FFX-12FFX	1
2	87673	HOSE 1/2X18 10FFX -10FFX	1
3	87704	HOSE 3/4X71 12FFX-12FFX	1
4	87703	HOSE 3/4X69 12FFX-12FFX 90 DEG	1

The above hoses will probably be partially connected in the Subframe area.

- Connect the Pressure
 Gauge hoses to their fittings
 on the Manifold Block (see
 the Gauge section).
- Connect one of the following hoses to **Port M1**:
 - 87675 36 ft
 - 87676 40 ft
 - 87678 45 ft
- Connect one of the following hoses to **Port M2**:
 - 86018 36 ft
 - 86029 40 ft
 - 87698 45 ft
- Connect HOSE (Item 4) to the "Return" Port.

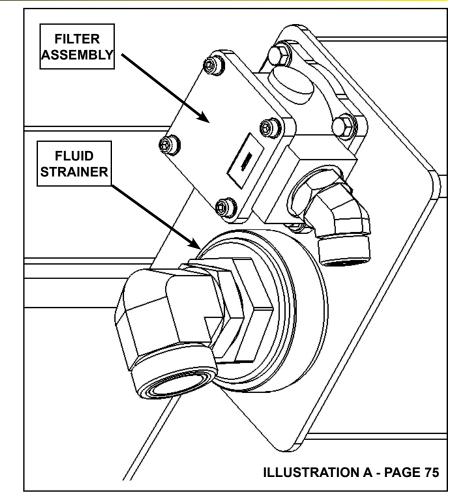


- Connect HOSE (Item 3) to the Filter Port. It should come from the Filter in the Subframe Tank.
- Connect HOSE (Item 1) to the P2 Port. It should come from the Hydraulic Pump.
- Connect HOSE (Item 2) to the P1 Port. It should also come from the Hydraulic Pump.

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- Connect Hose (Prt #87704) to the fitting on the Hydraulic Filter Assembly.
- Connect Hose (Prt #87705) to the filling on the Hydraulic Fluid Strainer.

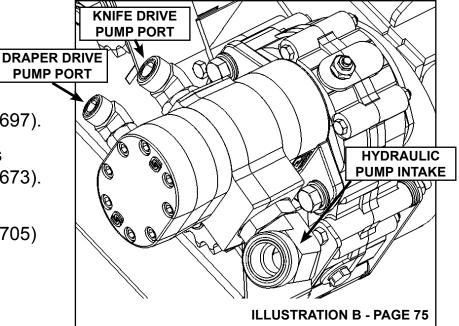


These Hoses are probably connected. So this is for informational purposes only.

 Knife Drive Pump Port is connected to Hose (Prt #87697).

 Draper Drive Pump Port is connected to Hose (Prt #87673).

 Hydraulic Pump Intake is connected to Hose (Prt #87705)

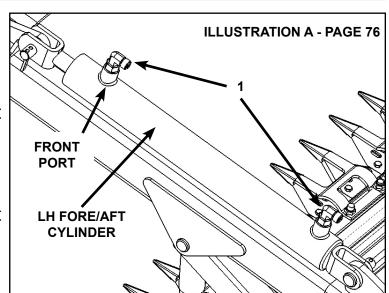




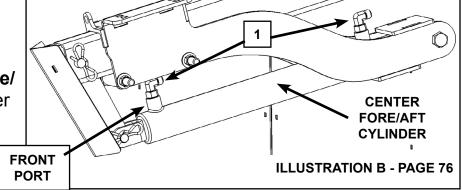
STEP 17C - Hydraulic System Completion - Reel System - Lift & Fore/Aft

ITEM NO.	PART		DESCRIPTION		SPLIT
	NO.			QTY.	QTY.
1	28061	ELBOW	4MF- 6MB -90 DEG	4	6

- Install two ELBOWS (Item 1) in all of the Fore/Aft Cylinders.
- Find Hose (Prt #84839) for the Front
 Port of the LH Fore/Aft Cylinder
 within the LH Outer Strut and connect it.
- Find the correct Hose for the Rear
 Port of the LH Fore/Aft Cylinder
 within the LH Outer Strut and connect it.
 - Hose 88179 36 ft
 - Hose 88180 40 ft
 - Hose 88319 45 ft



- Find the correct Hose for the Front Port of the RH Fore/Aft Cylinder within the RH Outer Strut and connect it.
 - Hose 88179 36 ft Hose 88181 40 ft Hose 88320 45 ft
- Find Hose (Prt #87663) for the Rear Port of the RH Fore/Aft Cylinder within the RH Outer Strut and connect it.
- Find the correct Hose for the Front Port of the Center Fore/Aft Cylinder within the Upper Tube and connect it.
 - Hose 88180 40 ft
 - Hose 88320 45 ft
- Find the correct Hose for the Rear Port of the Center Fore/ Aft Cylinder within the Upper Tube and connect it.
 - Hose 88181 40 ft
 - Hose 88320 45 ft

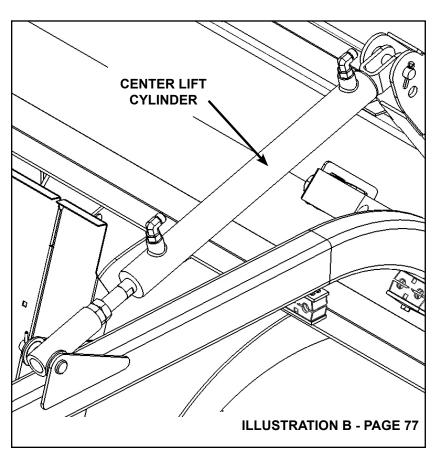


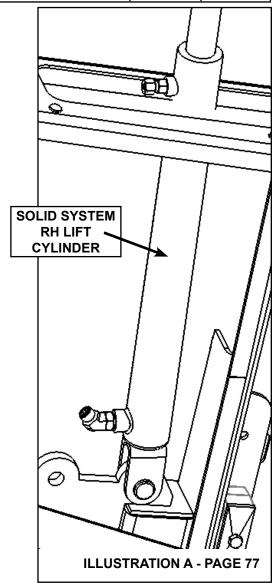
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ITEM NO.	PART NO.		DESCRIPTION	SOLID QTY.	SPLIT QTY.
1	28061	ELBOW	4MF- 6MB -90 DEG	1	4
2	28048	NIPPLE	4MF - 6MB	1	1
3	28275	ELBOW	4MF- 6MB -45 DEG	1	1

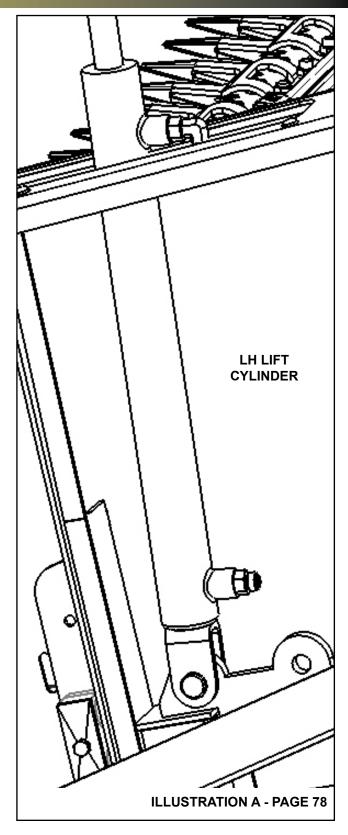
- Install one ELBOW (Item 1) in the Top Port of the Outer Lift Cylinders except for the RH Outer Lift Cylinder on a Solid Reel System.
- Install one NIPPLE (Item 2) in the Bottom Port of the LH Outer Lift Cylinders.
- Install one ELBOW (Item 3) in the Bottom Port of the RH Outer Lift Cylinders.
- Install one ELBOW (Item 1) in both Ports of the Center Lift Cylinder.







- Find the correct Hose for the Top
 Port of the LH Lift Cylinder within
 the LH Outer Strut and connect it.
 - Hose 88031 36 ft
 - Hose 87652 40 ft
 - Hose 88323 45 ft
- Find the correct Hose for the Bottom Port of the LH Lift Cylinder within the LH Outer Strut and connect it.
 - Hose 87623 36 ft
 - Hose 87625 40 ft
 - Hose 87627 45 ft
- Find Hose (Prt #87624) for the top Port of the 40 ft & 45 ft RH Lift Cylinder within the RH Outer Strut and connect it.
- Find the correct Hose for the Bottom
 Port of the RH Lift Cylinder within the RH Outer Strut and connect it.
 - Hose 88031 36 ft
 - Hose 87650 40 ft
 - Hose 88324 45 ft
- Find the correct Hose for the Front
 Port of the Center Lift Cylinder
 within the Upper Tube and connect it.
 - Hose 87652 40 ft
 - Hose 88323 45 ft
- Find the correct Hose for the Rear
 Port of the Center Lift Cylinder
 within the Upper Tube and connect it.
 - Hose 87650 40 ft
 - Hose 88324 45 ft



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Honey Bee Manufacturing Ltd.

2014 4000 Series Header

Skid Unit Assembly Manual



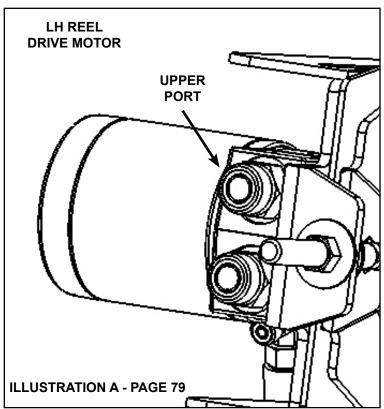
STEP 17C - Hydraulic System Completion - Reel System - Reel Drive

ITEM NO.	PART NO.		DESCRIPTION	SOLID	SPLIT
				QTY	QTY
1	28094	NIPPLE	10MB - 10MF	2	4

Install two NIPPLES (Item 1) in each Reel Drive

Motor.

- Find the correct Hose for the Top Port of the RH Reel Drive Motor within the RH Outer Strut and connect it.
 - Hose 88013 36 ft
 - Hose 86084 40 ft
 - Hose 88327 45 ft
- Find Hose (Prt #87696) for the Bottom Port of the RH Reel Drive Motor within the RH Outer Strut and connect it.
- Find the correct Hose for the Top
 Port of the LH Reel Drive Motor
 within the LH Outer Strut and connect it.
 - Hose 88325 40 ft
 - Hose 88326 45 ft
- Find the correct Hose for the Bottom Port of the LH Reel Drive Motor within the LH Outer Strut and connect it.
 - Hose 86084 40 ft
 - Hose 88327 45 ft



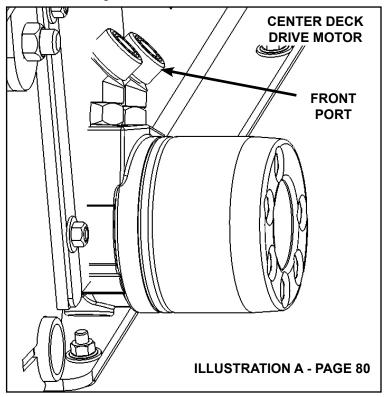


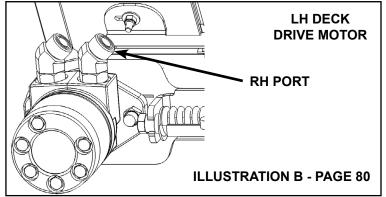
STEP 17C - Hydraulic System Completion - Reel System - Center Deck Drive

- Find Hose (Prt #87672) for the Front
 Port of the Center Deck Drive Motor
 within the Upper Tube and connect it.
- Find the correct Hose for the Rear
 Port of the Center Deck Drive Motor
 within the Upper Tube and connect it.
 - Hose 88311 36 ft
 - Hose 88313 40 ft
 - Hose 87679 45 ft

Lateral Deck Drive

- Find the correct Hose for the LH Port of the LH Lateral Deck Drive Motor within the LH Outer Strut and connect it.
 - Hose 88310 36 ft
 - Hose 88312 40 ft
 - Hose 88314 45 ft
- Find the correct Hose for the RH Port of the LH Lateral Deck Drive Motor within the LH Outer Strut and connect it.
 - Hose 87675 36 ft
 - Hose 87676 40 ft
 - Hose 87678 45 ft





- Find the correct Hose for the LH Port of the RH Lateral Deck Drive Motor within the RH Outer Strut and connect it.
 - Hose 88310 36 ft
 Hose 88312 40 ft
 Hose 88314 45 ft
- Find the correct Hose for the RH Port of the RH Lateral Deck Drive Motor within the RH Outer Strut and connect it.
 - Hose 88311 36 ft
 Hose 88313 40 ft
 Hose 87679 45 ft

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ASSEMBLY STEP 18 - Gauge Wheel Assembly Installation

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	G86813	SHOCK MOUNT	2
2	19710	BOLT 1/2 X 1 UNC CARR GR5	12
3	19938	WASHER SAE 1/2	16
4	19975	NUT 1/2 UNC C/LOCK	16
5	G86809	SHOCK CLEVIS MOUNT	2
6	19641	BOLT 3/4 X 3-1/2 UNC GR5	4
7	19857	NUT 3/4 UNC NYLOCK	4
8	G86805	GAUGE WHEEL EXTENSION HANDLE	2
9	28363	HTCH PIN 3/4 X 6 SW COMP	2
10	84621	SHOCK ASSEMBLY	2
11	G86812	GAUGE WHEEL HANDLE	2
12	P86836	SPACER840 X .622 X 3-13/32	2
13	P84591	SPACER-GAUGE WHEEL HANDLE	4
14	19570	BOLT 1/2 X 6 UNC GR5	2
15	28364	HTCH PIN 1/2 X 5 BENT COMP	2
16	P86837	SPACER840 X .546 X 3-15/16	2
17	19568	BOLT 1/2 X 5 UNC GR5	2
18	19924	WASHER FLAT 1/2	4
19	G86832	CONTROL ARM ASSY-LH	1
20	G86831	CONTROL ARM ASSY-RH	1
21	P86840	GAUGE WHEEL PIN	2
22	19504	BOLT 3/8 X 2-1/4 UNC GR5	2
23	19981	NUT 3/8 UNC C/LOCK	2

The following steps show you how to assemble the LH side. The RH side is the same except you will be using the RH CONTROL ARM ASSEMBLY.

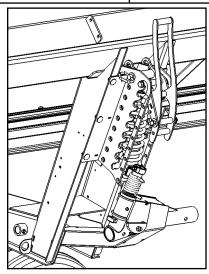
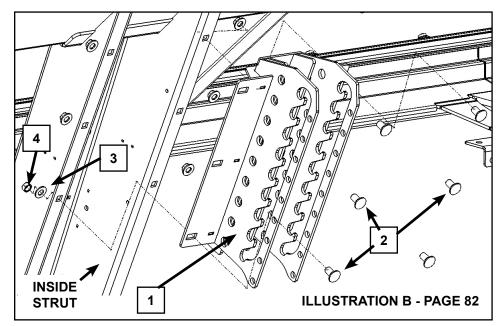


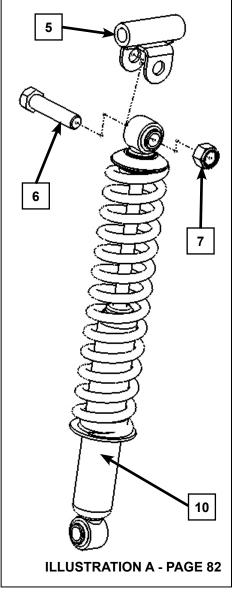
ILLUSTRATION A - LH GAUGE WHEEL ASSEMBLY - PAGE 81



Attach SHOCK CLEVIS MOUNT (Item 5)
to the SHOCK ASSEMBLY (Item 10) with
one BOLT (Item 6), and one NUT (Item 7).

 Fasten the SHOCK MOUNT (Item 1) to the LH (or RH) Inside Strut (not Center Strut) with six BOLTS (Item 2), six WASHERS (Item 3), and six NUTS (Item 4).

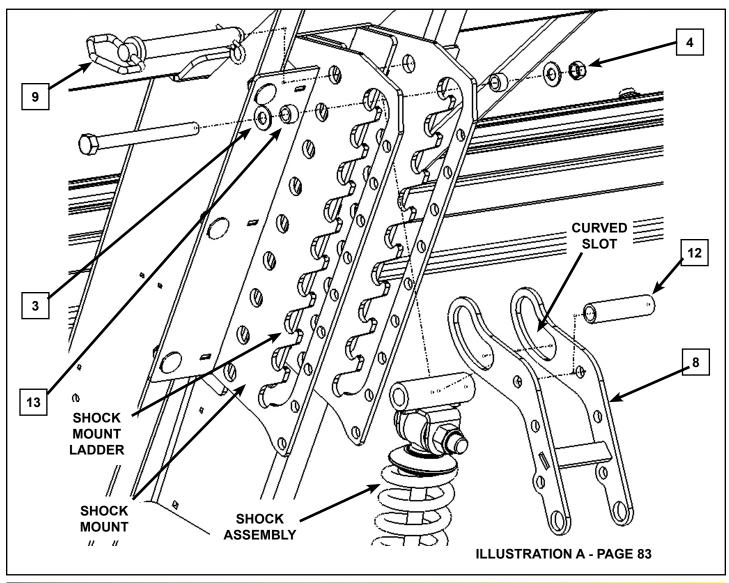




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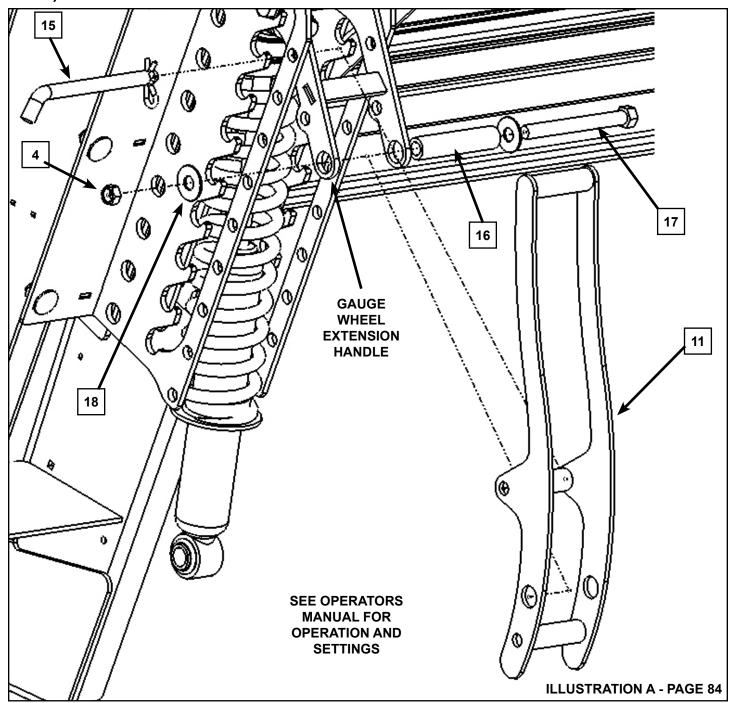


- Insert the Shock Assembly into the Curved Slot of the GAUGE WHEEL EXTENSION HANDLE (Item 8).
- Using PIN (Item 9) secure the above assembly to the SHOCK MOUNT.
- Assemble the following parts, as shown, to create the SHOCK MOUNT Ladder engagement.
 - SPACER (Item 12)
 - two SPACER (Item 13)
 - BOLT (Item 14)
 - two WASHERS (Item 3)
 - NUT (Item 4).





- Attach the GAUGE WHEEL HANDLE (Item 11) to the GAUGE WHEEL EXTENSION HANDLE with one SPACER (Item 16), one BOLT (Item 17), two WASHERS (Item 18), and one NUT (Item 4).
- Secure the GAUGE WHEEL HANDLE in its storage position with one PIN (Item 15).

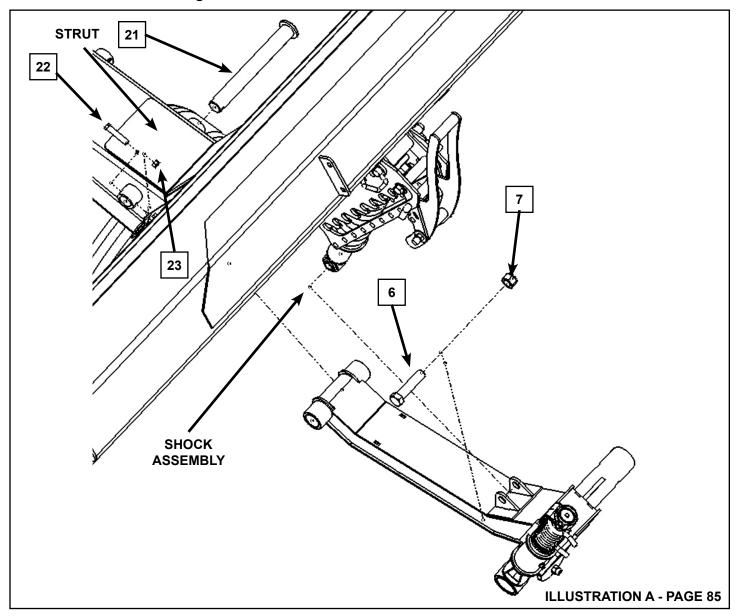


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- Attach the CONTROL ARM ASSEMBLY (Item 19 or 20) to the horizontal portion of the Strut with one GAUGE WHEEL PIN (Item 21), one BOLT (Item 22), and one NUT (Item 23).
- Lift the CONTROL ARM ASSEMBLY up to the SHOCK ASSEMBLY and connect with one BOLT (Item 6), and one NUT (Item 7).

Once both side are complete then refer to the Operators Manual for Operation Instructions and Settings.







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