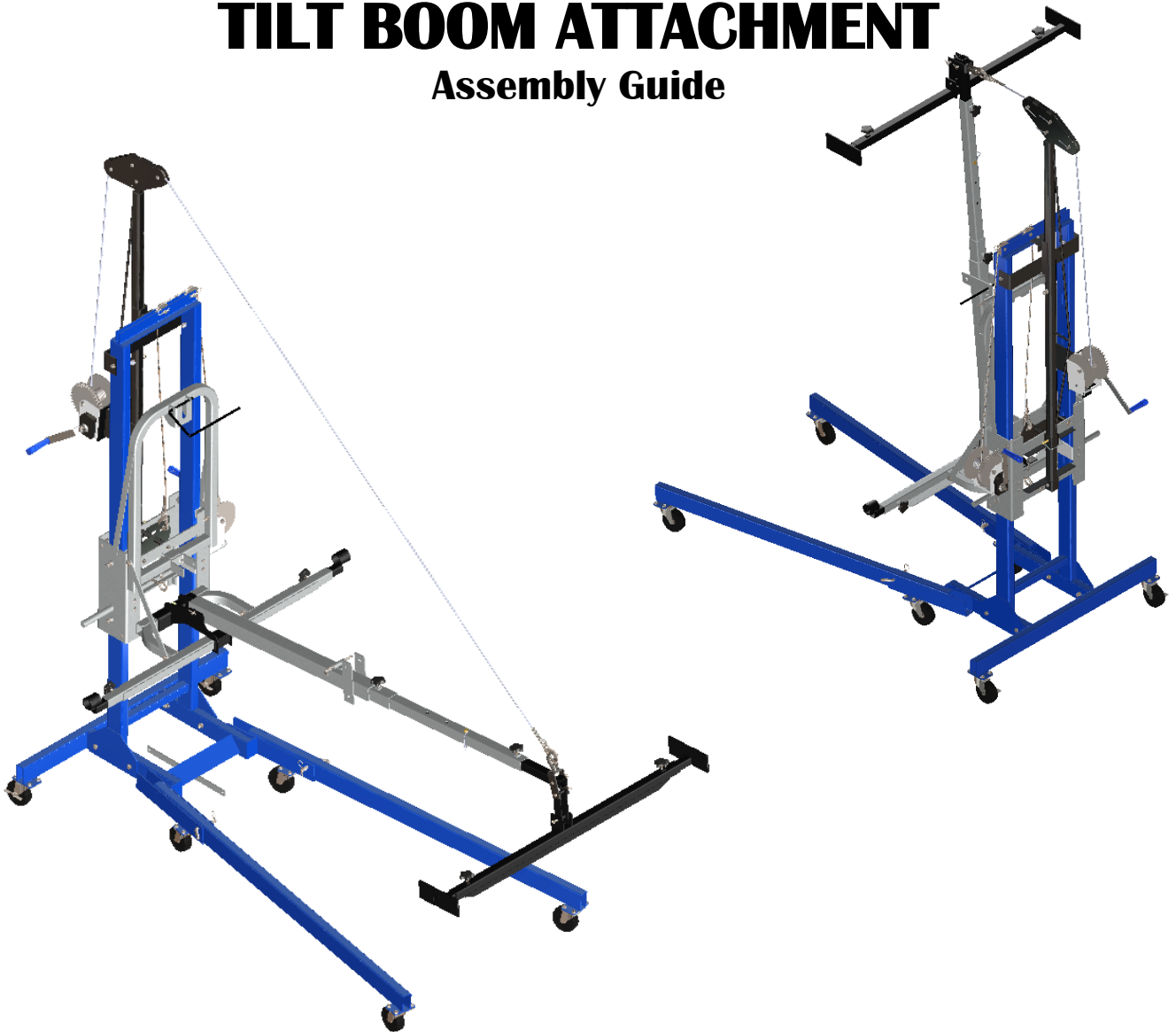


ProLine TOOL & SUPPLY, LLC

LK4036 TILT BOOM ATTACHMENT Assembly Guide



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(989) 315-8946

Table of Contents

TILT BOOM ATTACHMENT	3
SPECIFICATIONS	3
PARTS & HARDWARE	4
ASSEMBLY GUIDE	5
OPERATION	15

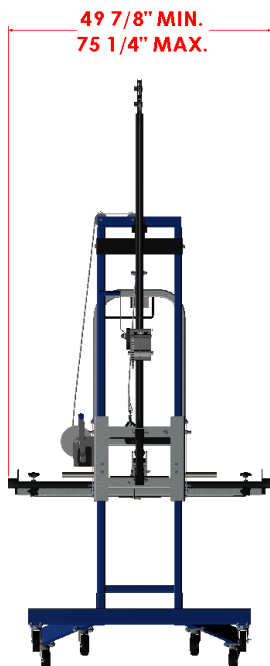
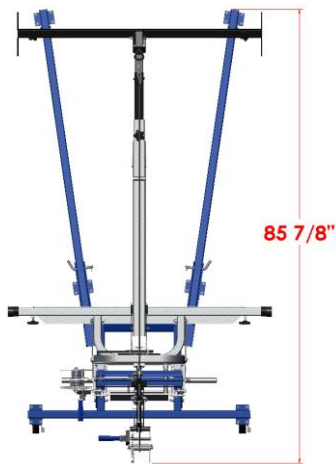
If you have any questions or comments, please call 1 (989) 315-8946.

Proline Tool & Supply, LLC
210 Pigeon Rd Bad Axe MI 48413 US
(989) 315-8946

Tilt Boom Attachment


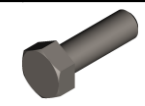




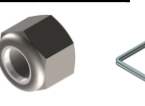
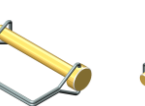

The LK4036 Tilt Boom Attachment is designed to tilt and lock a pickup box in an upward position for restoration work and under box repairs. Adding the Tilt Boom should only take a few minutes once you familiarize yourself with the components that need to be changed.

Specifications



Parts

Part No	Description	QTY.
*	1/4-20 x 1 SELF-TAPPING PAN HEAD TORX SCREW	1
*	5/16-18 x 1 HEX BOLT	1
*	5/16-18 SERRATED FLANGE NUT	1
*	3/8-16 X 1 HEX BOLT	2
*	3/8-16 X 2 1/2 HEX BOLT	3
*	3/8 FLAT WASHER	6
*	3/8-16 NYLON INSERT HEX NUT	5
*	3/8 x 2 1/2 SQ. BAIL LOCKING PIN	1
*	3/8 x 3 USABLE LENGTH SQ. BAIL LOCKING PIN	1
*	1/2-13 X 1 1/4 HEX BOLT	1
*	1/2 SPLIT LOCK WASHER	1
*	1/2-13 HEAVY DUTY STEEL OVAL EYE NUT	1
*	CLEVIS PIN, 3/8 x 2 1/2 USABLE LENGTH, WITH CLIP	2
*	CLEVIS PIN, 1/2 X 1 1/2	4
*	1/8 x 2 COTTER PIN	4
*	PULLEY, Ø2" x 1/2" for 3/16" WIRE ROPE	3
*	3/16 WIRE CABLE & HOOK	1
*	LIFT KING LABEL	2
*	UHMW 3/8 x 1 x 6 1/2 WITH HOLE	1
LK-H019	WINCH	1
LK4036-01	WELDMENT, BRACKET 1B	1
LK4036-02	BRACKET 1A	1
LK4036-03	WELDMENT, PULLEY BLOCK	1
LK4036-04	BRACKET, LARGE	1
LK4036-08	WELDMENT, BRACKET 2	1
LK4036-13	TILT BOOM LOCKING PIN	1
LK4036-14	WELDMENT, TILT BOOM	1
LK4039	WELDMENT 2	1

1/4-20 x 1
pan head
TORX screw

5/16-18 x 1
hex bolt

5/16-18
lock nut,
serrated flange

3/8-16 x 1
hex bolt

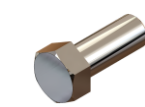



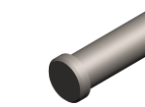



3/8-16 x 2 1/2
hex bolt

3/8
flat washer

3/8-16
nylon insert
hex nut

3/8 x 2 1/2
sq. bail
locking pin

3/8 x 3
usable length
sq. bail locking pin

1/2-13 x 1 1/4
hex bolt

1/2
split lock
washer

1/2-13
heavy duty
steel oval
eye nut

clevis pin,
3/8 x 2 1/2
usable length
with clip

clevis pin,
1/2 x 1 1/2

1/8 x 2
cotter pin

Pulley
Ø2 x 1/2
For
3/16 wire rope

3/16"
cable & hook

Parts cont.

LIFT KING

Lift King Label

UHMW
3/8 x 1 x 6 1/2
with hole

LK-H019

LK4036-01

LK4036-02

LK4036-03

LK4036-04

LK4036-08

LK4036-13

LK4036-14

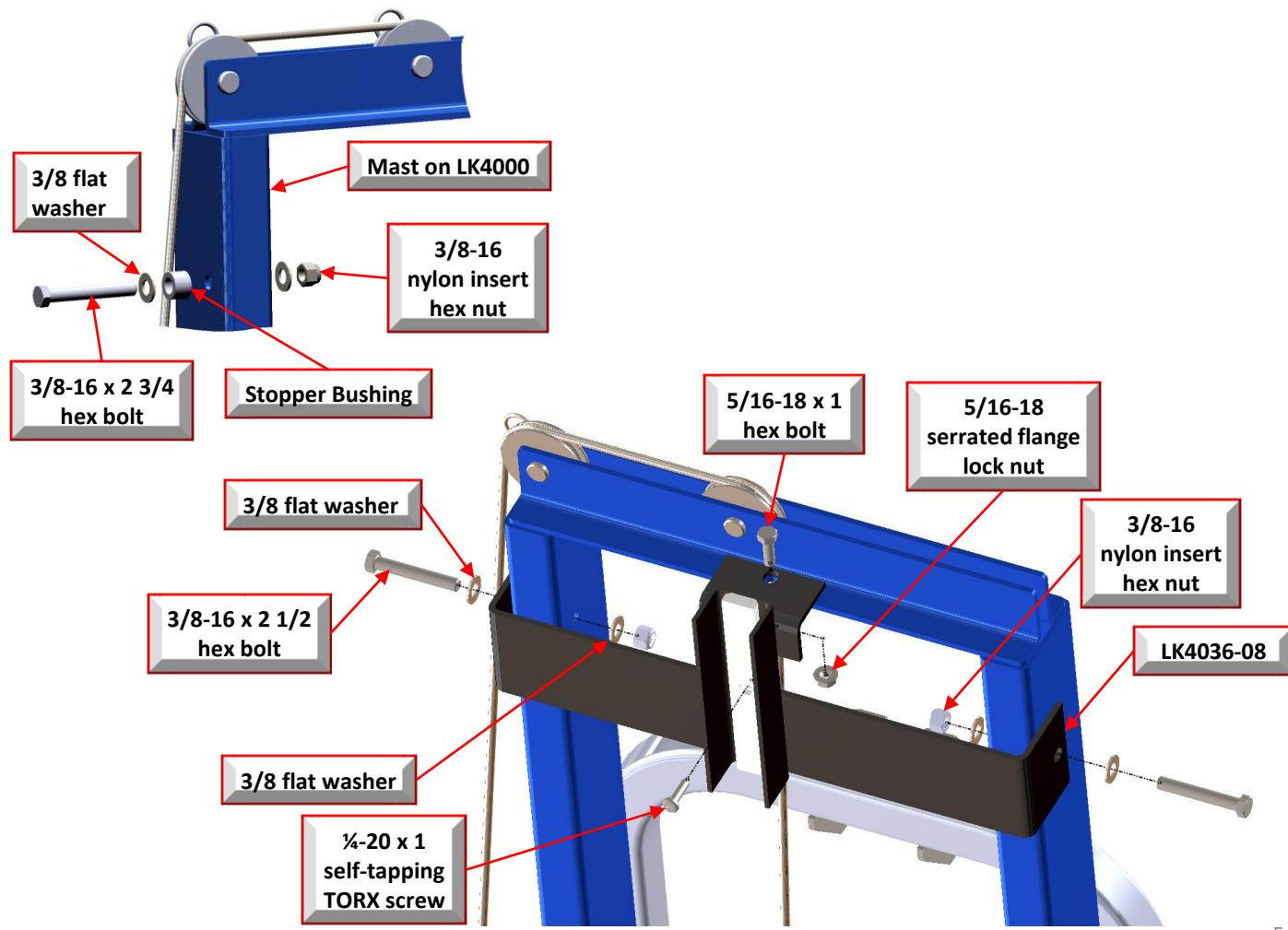
LK4038

LK4039

Assembly

STEP 1

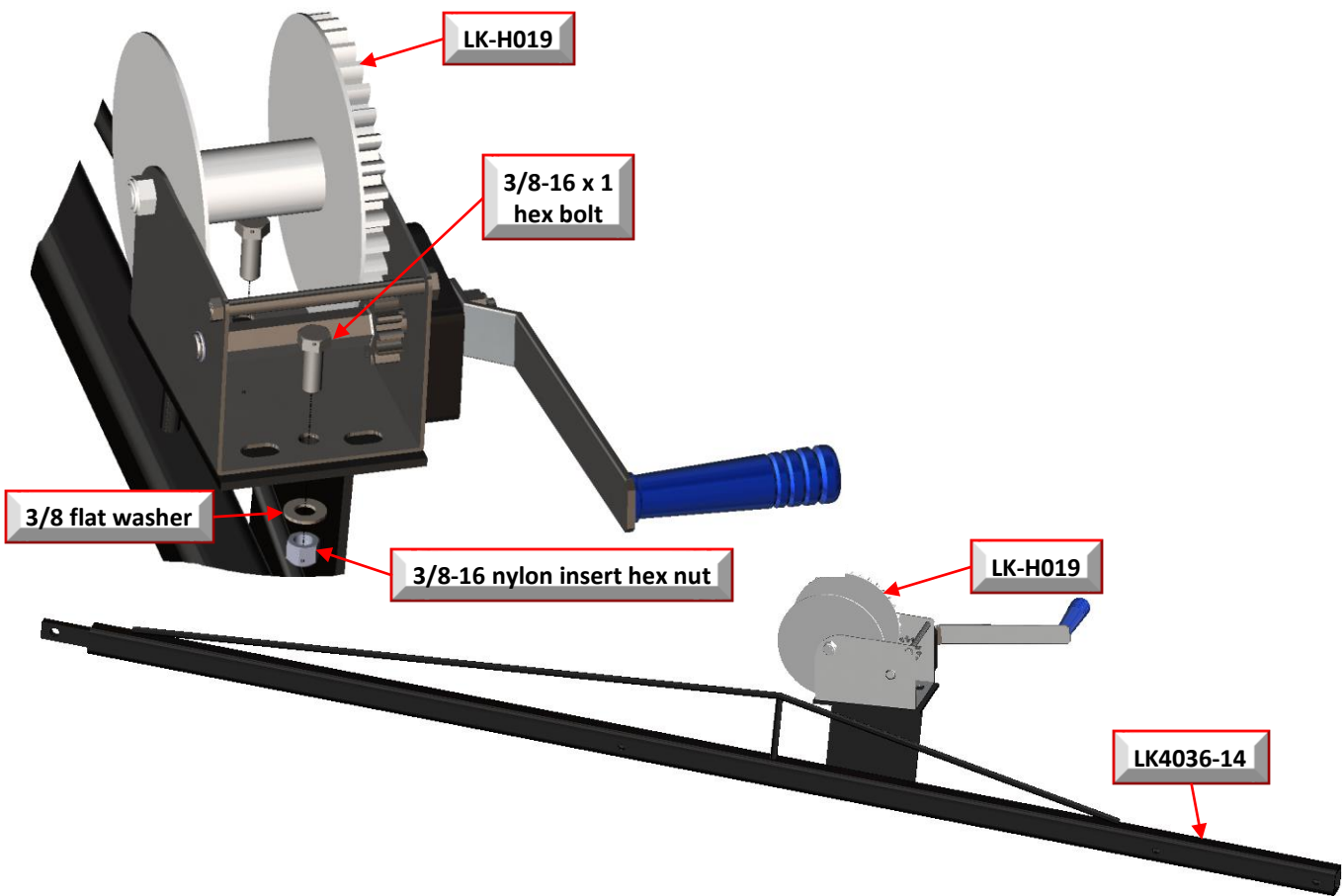
On the LK4000 Main Component, remove and **SAVE** the Stopper Bushing and fasteners located on the top left side of the mast. Attach the LK4036-08 tilt boom centering slide bracket to the mast using (2) 3/8-16 x 2 1/2 hex bolts, (4) 3/8 flat washers, (2) 3/8-16 nylon insert hex nuts, (1) 5/16-18 x 1 hex bolt and (1) 5/16-18 serrated flange lock nut.



Assembly

STEP 2

Mount the LK-H019 winch to the LK4036-14 tilt boom using (2) 3/8-16 x 1 hex bolts, (2) 3/8 flat washers and (2) 3/8-16 nylon insert hex nuts. Make sure the winch handle is oriented to the LK4036-14 tilt boom as shown.



STEP 3

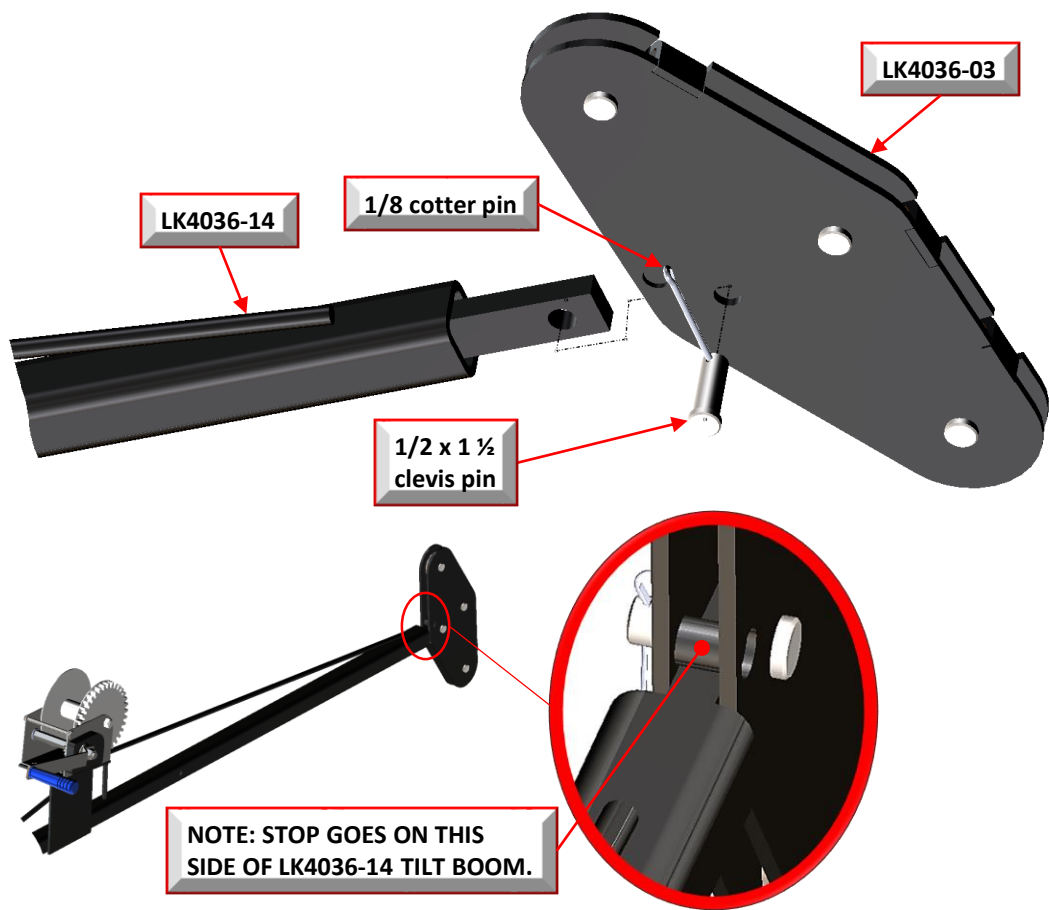
Install (3) Ø2" pulleys into the LK4036-03 Pulley Block Weldment, using (3) 1/2 x 1 1/2 clevis pins and (3) 1/8 cotter pins.



Assembly

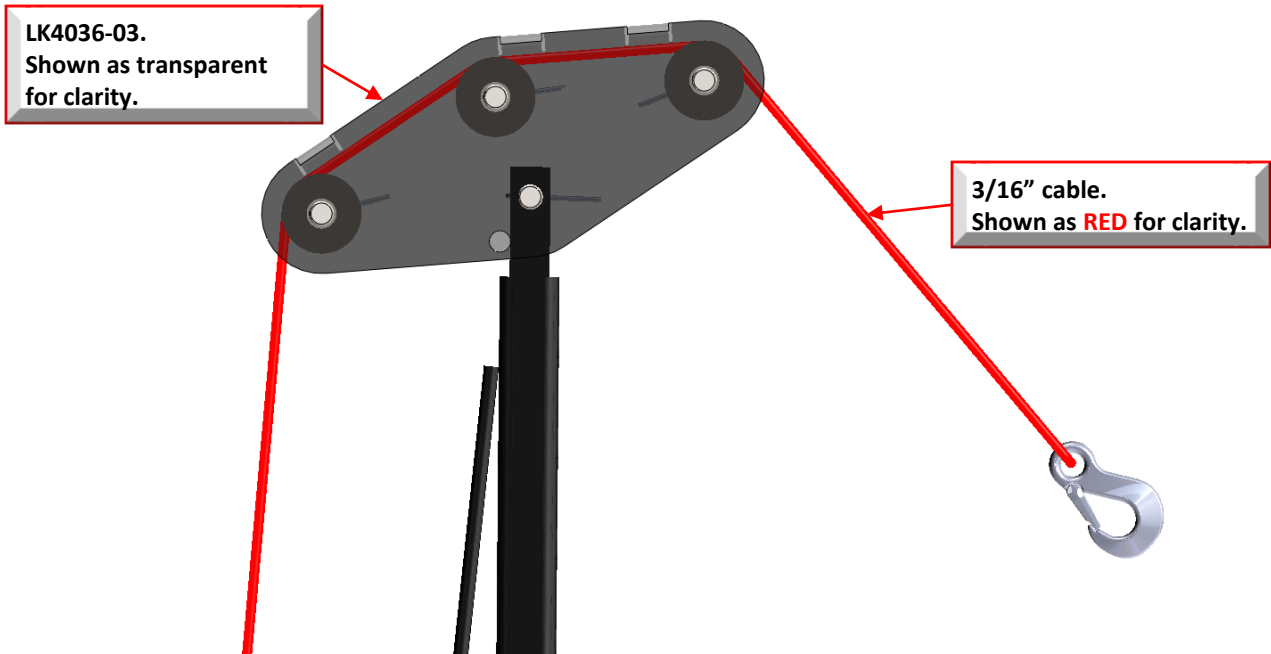
STEP 4

Attach the LK4036-03 pulley assemble to the LK4036-13 tilt boom using (1) 1/2 x 1 1/2 clevis pin and (1) 1/8 cotter pin.



STEP 5

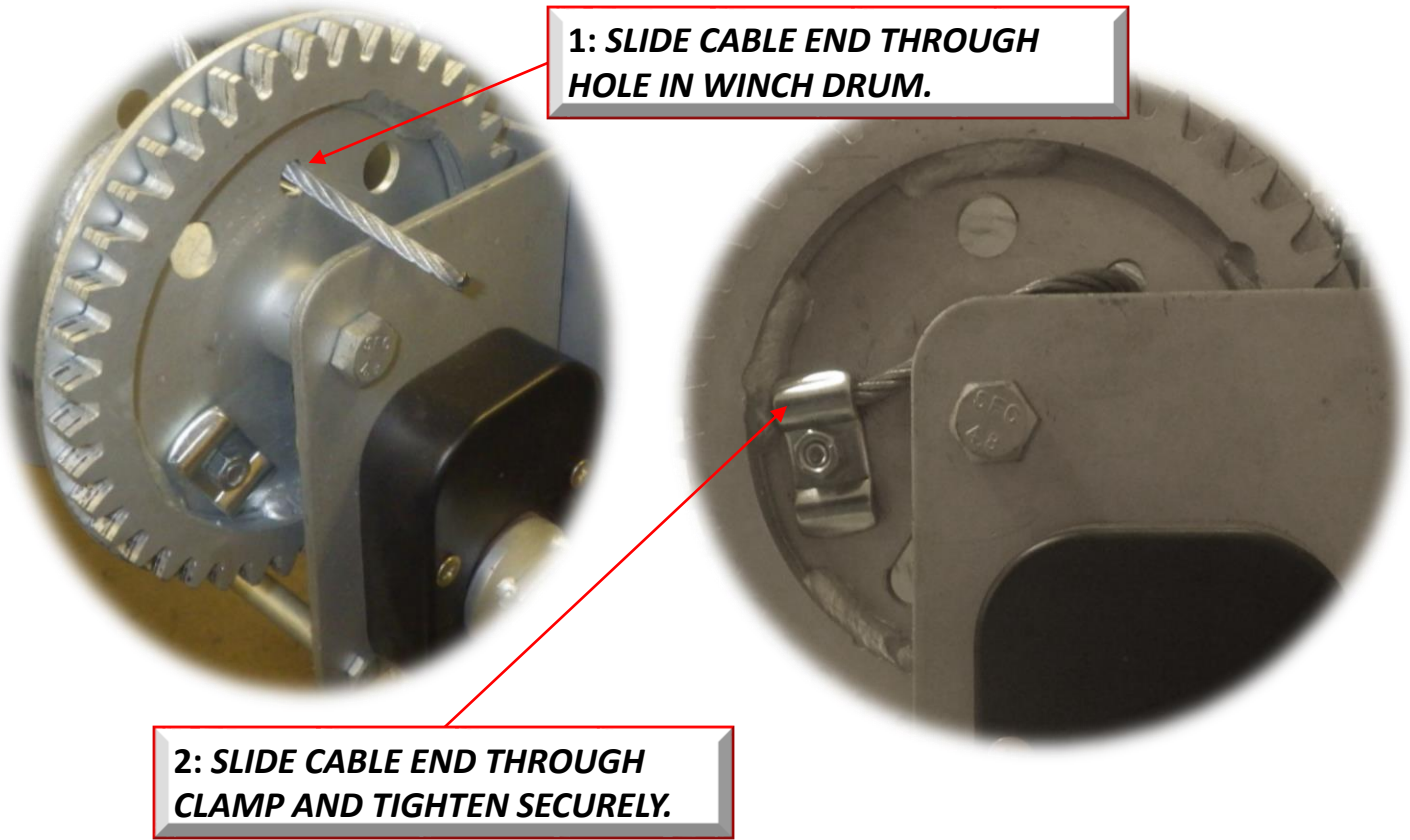
Thread the 3/16" cable & hook through the LK4036-03 pulley assembly.



Assembly

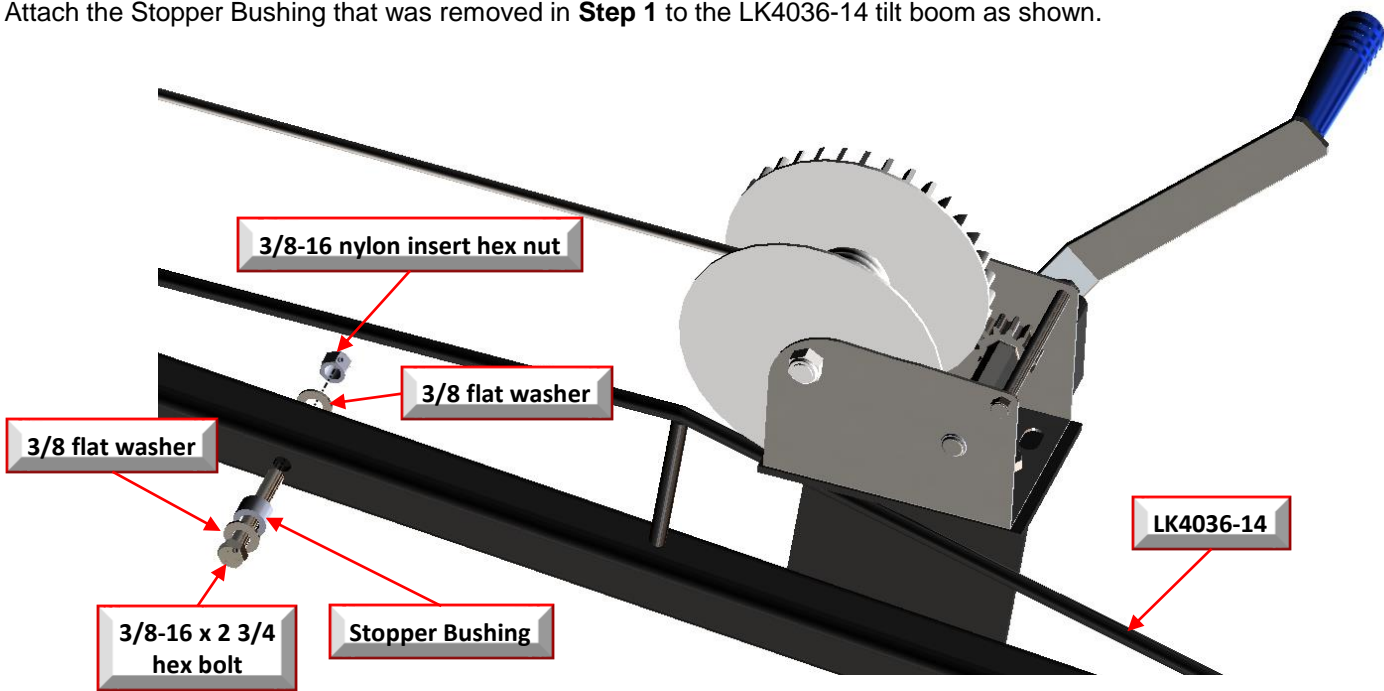
STEP 6

Attach the 3/16" cable to the LK-H019 winch as shown.



STEP 7

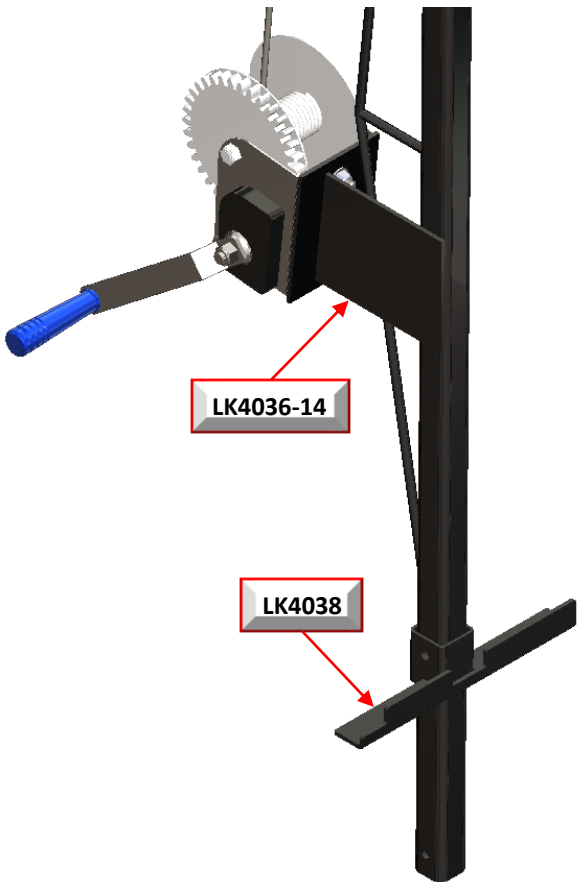
Attach the Stopper Bushing that was removed in **Step 1** to the LK4036-14 tilt boom as shown.



Assembly

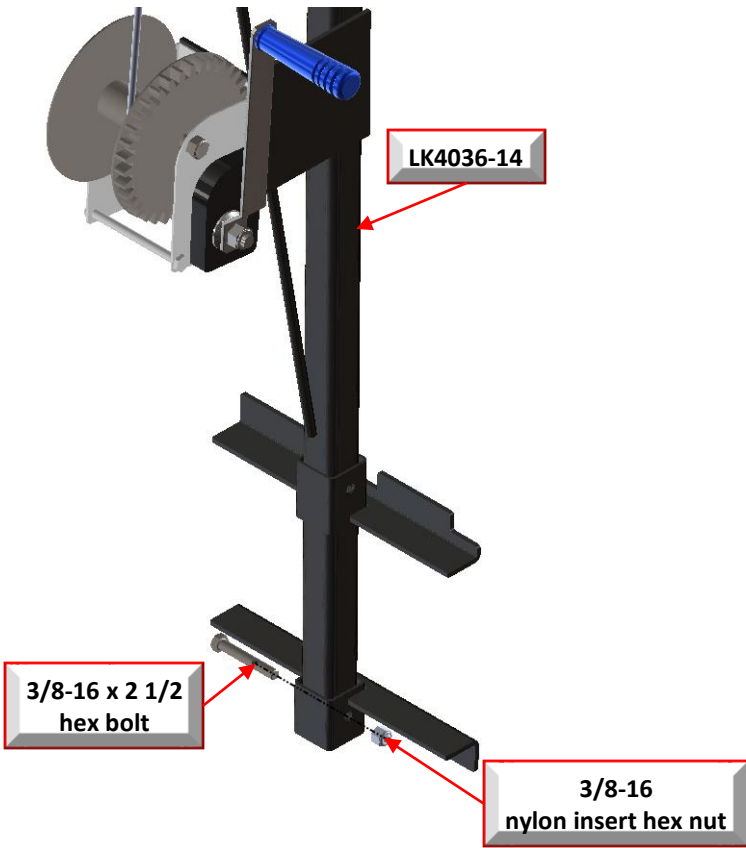
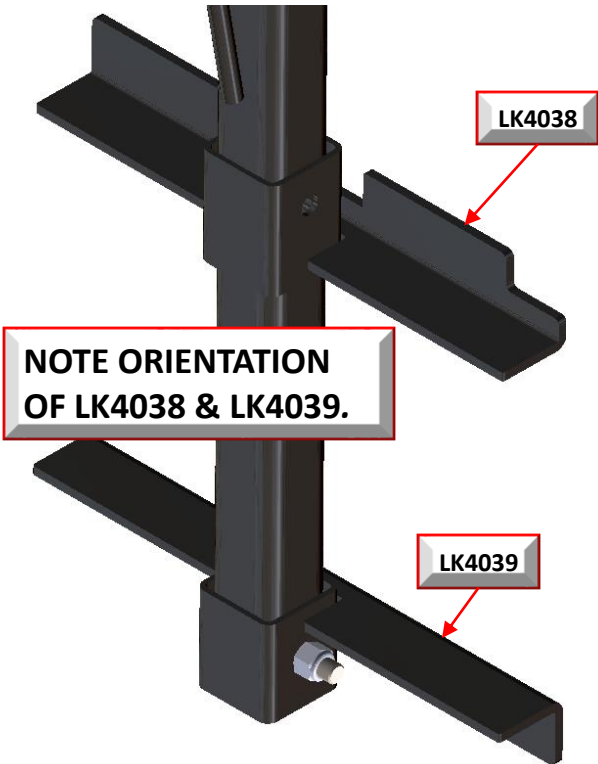
STEP 8

Slide LK4038 onto the LK4036-14 tilt boom as shown.



STEP 9

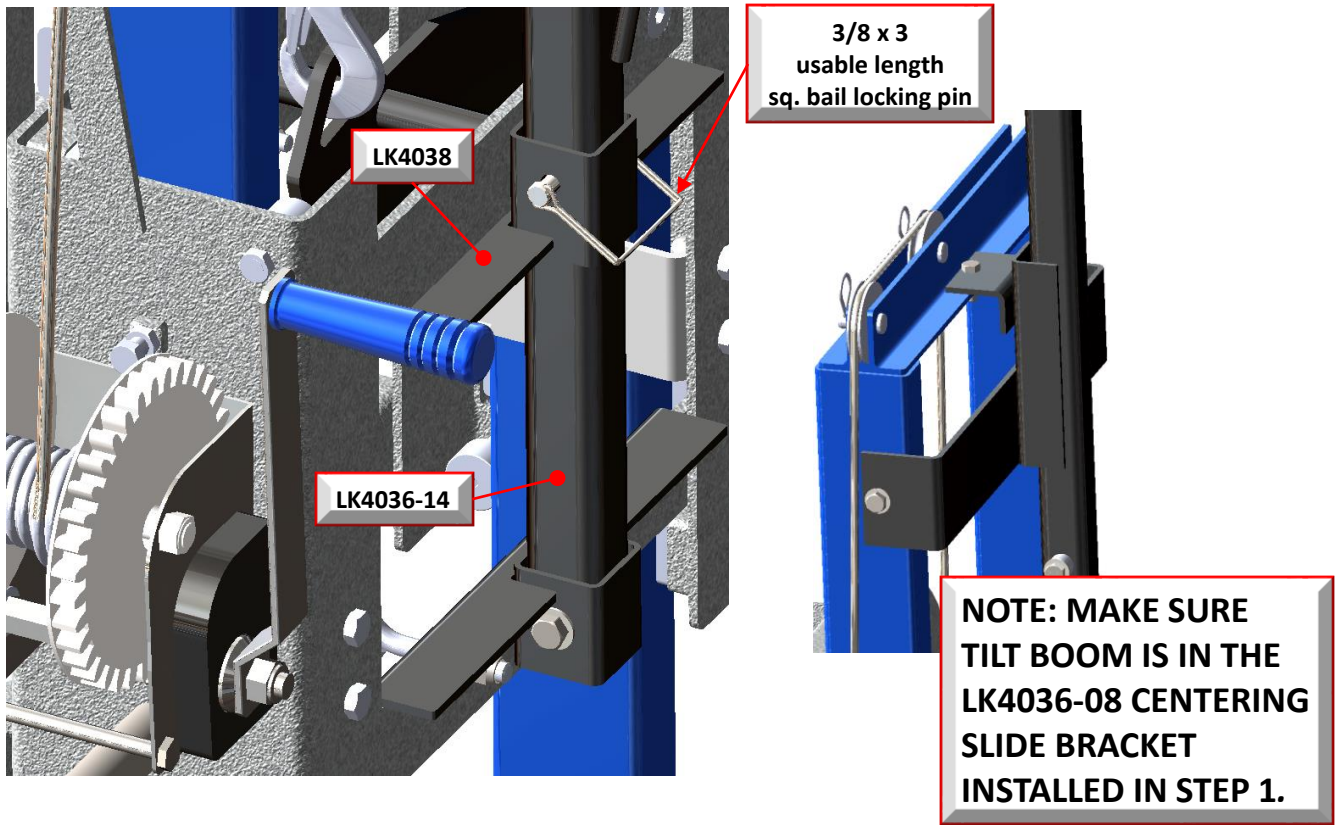
Attach LK4039 to the LK4036-14 tilt boom using (1) 3/8-16 x 2 1/2 hex bolt and (1) 3/8-16 nylon insert hex nut.



Assembly

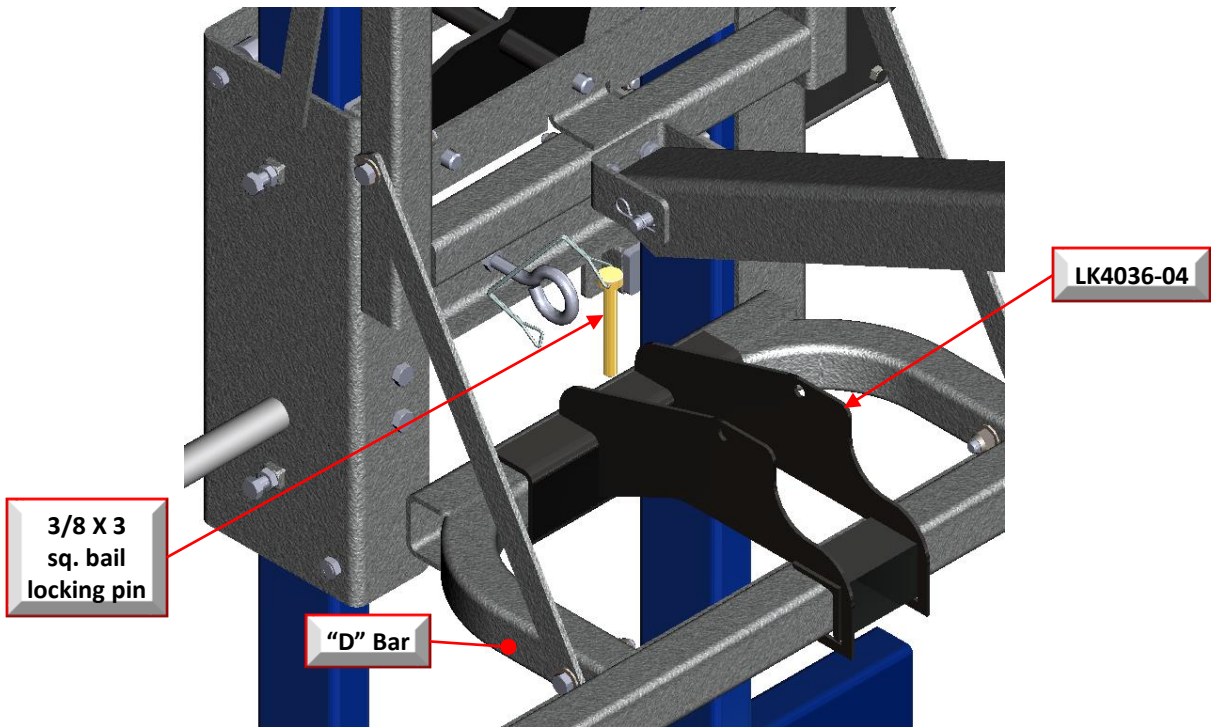
STEP 10

Align the LK4038 with the hole in the LK4036-14 tilt boom and secure with the 3/8 x 3 usable length square bail locking pin.



STEP 11

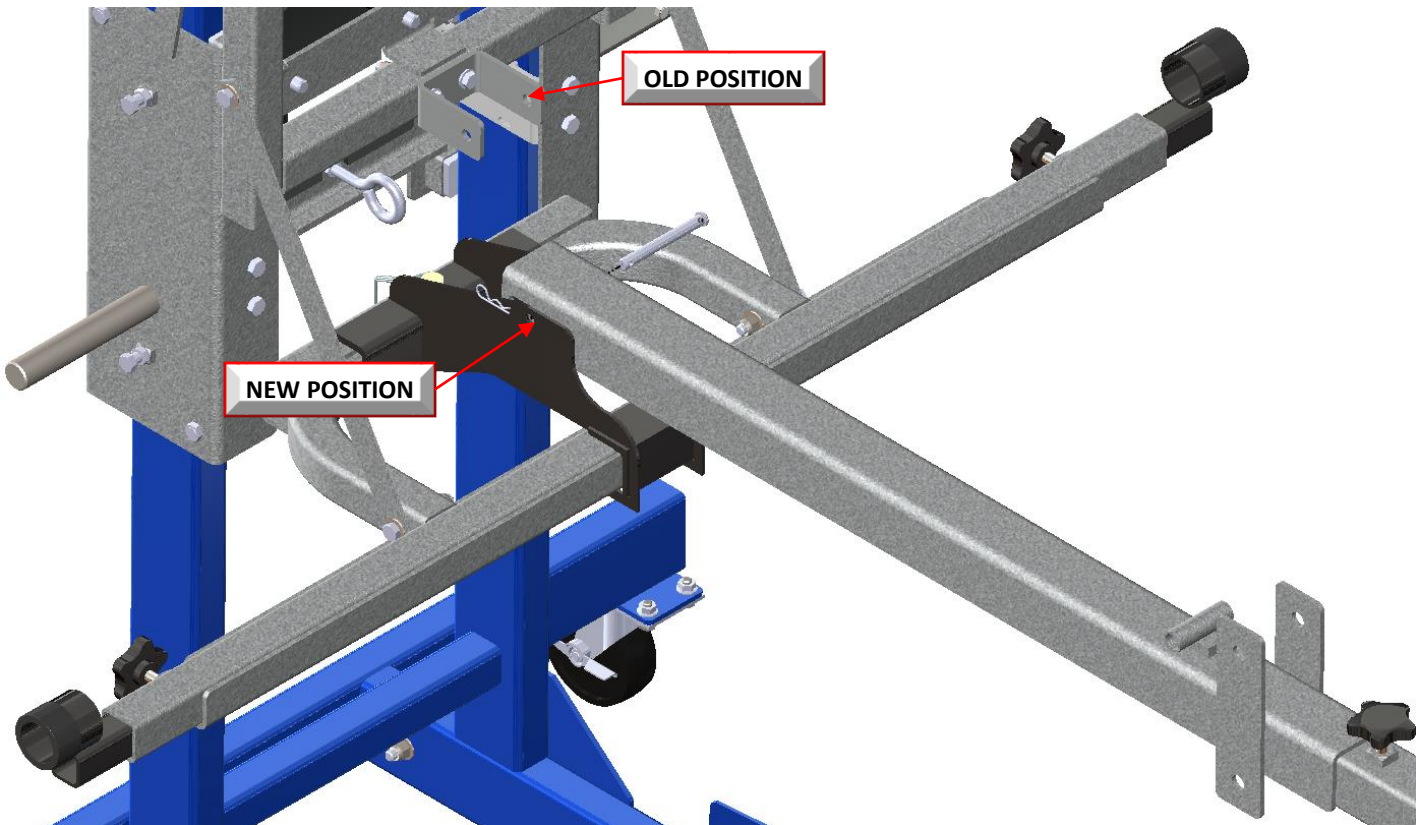
Slide the LK4036-04 (Main Boom Pivot Bracket) onto the "D" Bar of the LK4000 (Main Component) as shown, and secure with the 3/8 x 3 Square Bail Locking Pin provided with the LK4000 Main Component.



Assembly

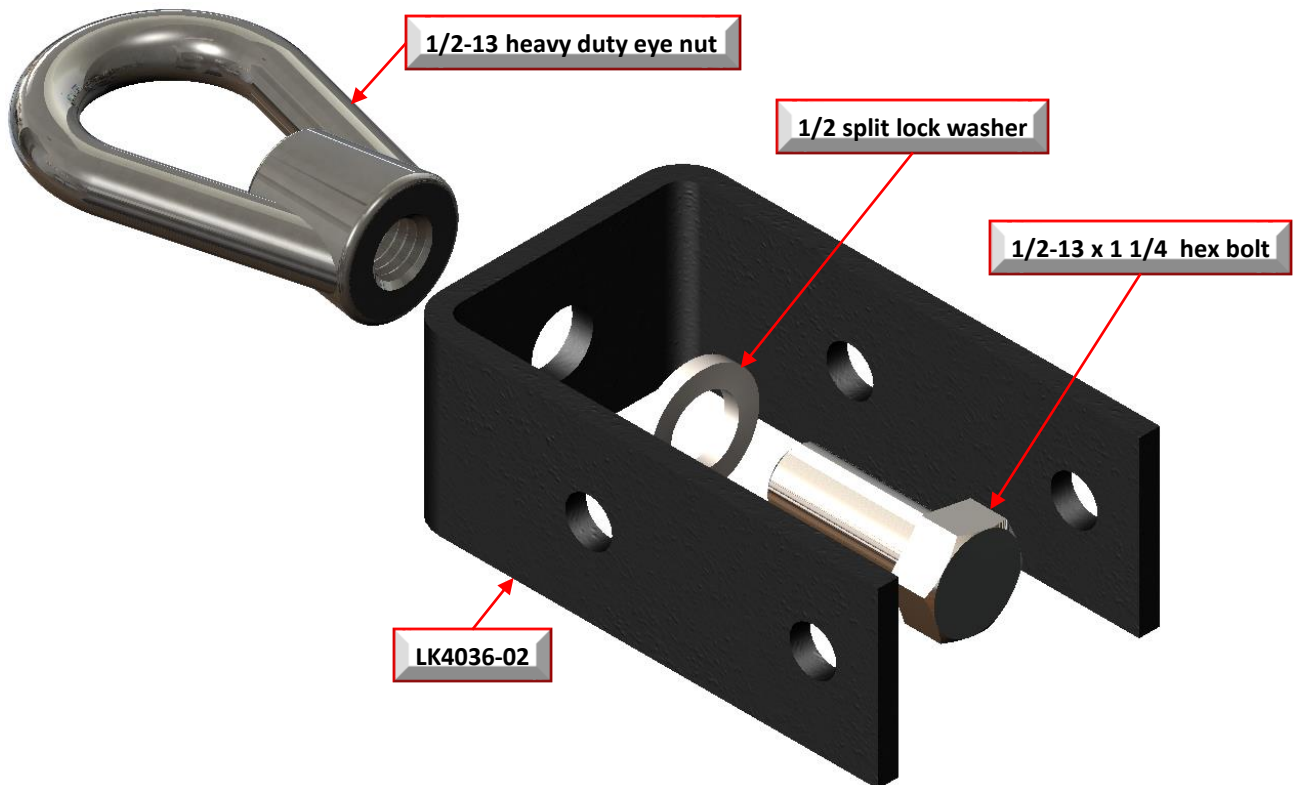
STEP 12

Disconnect the Main Boom and reposition it on the LK4036-04 bracket as shown.



STEP 13

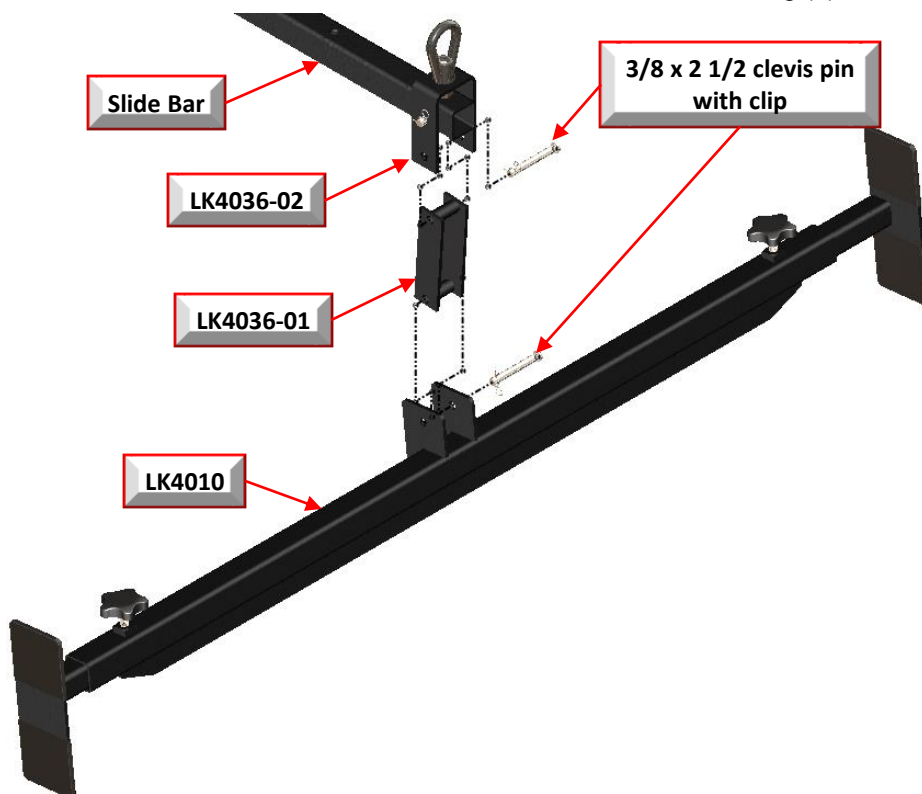
Assemble the LK4036-02 bracket and 1/2-13 Heavy Duty Eye Nut using (1) 1/2-13 x 1 1/4 hex bolt and (1) 1/2 flat washer.



Assembly

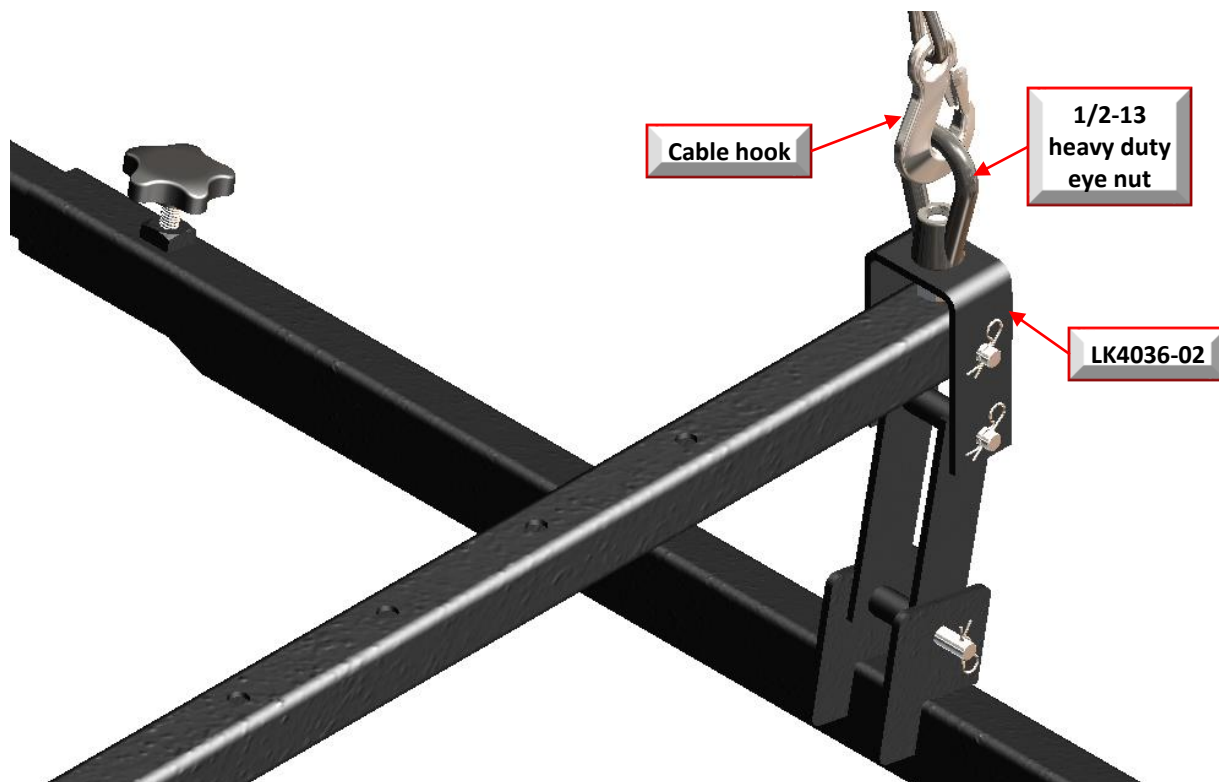
STEP 14

Using the 3/8 x 2 1/2 clevis pin with clip, attach the LK4036-02 and Eye Nut assembly to the slide bar on the end of the Main Boom. Next, attach the LK4036-01 to the LK4036-02 and the LK4010 T-bar using (2) 3/8 x 2 1/2 clevis pins with clips.



STEP 15

Attach the cable hook to the 1/2-13 Heavy Duty Eye Nut, as shown.



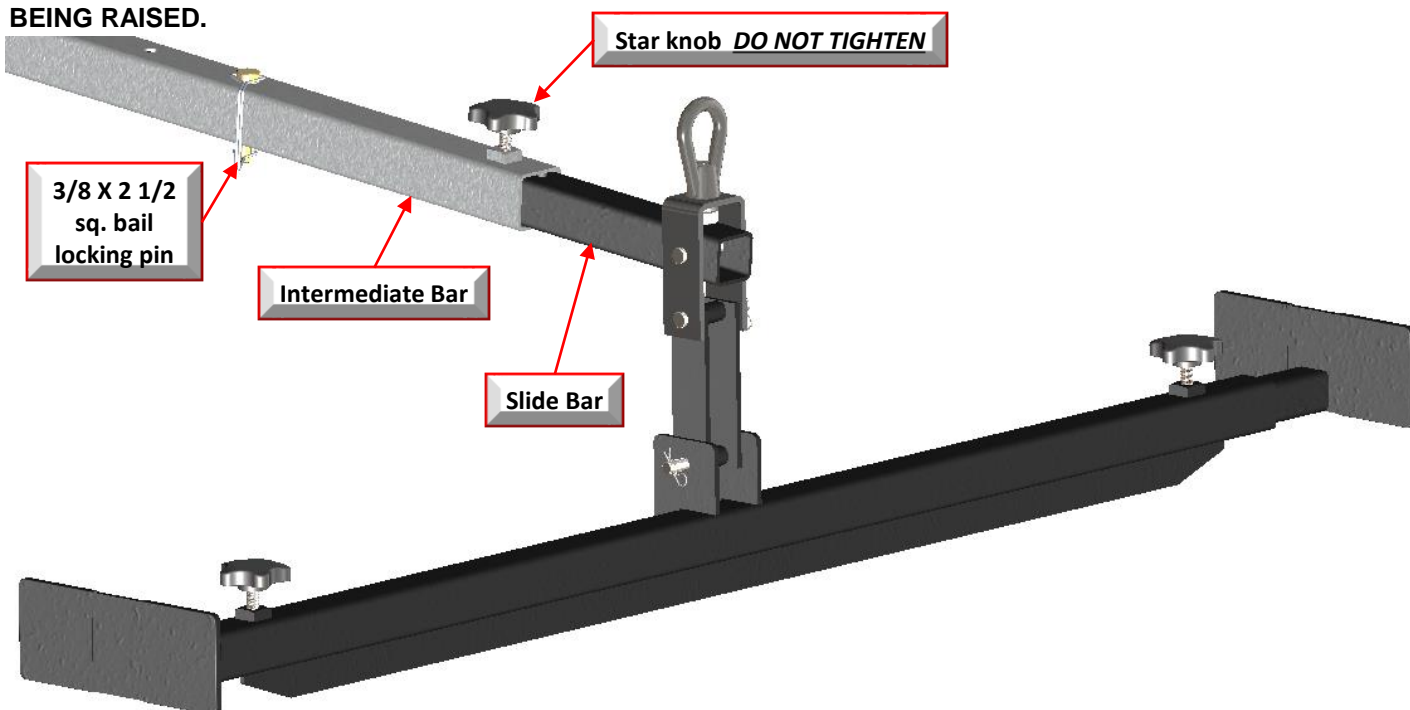
Assembly

STEP 16

When in a raised position, the main boom should be extended so that it is approximately the same height as the LK4036 Tilt Boom.



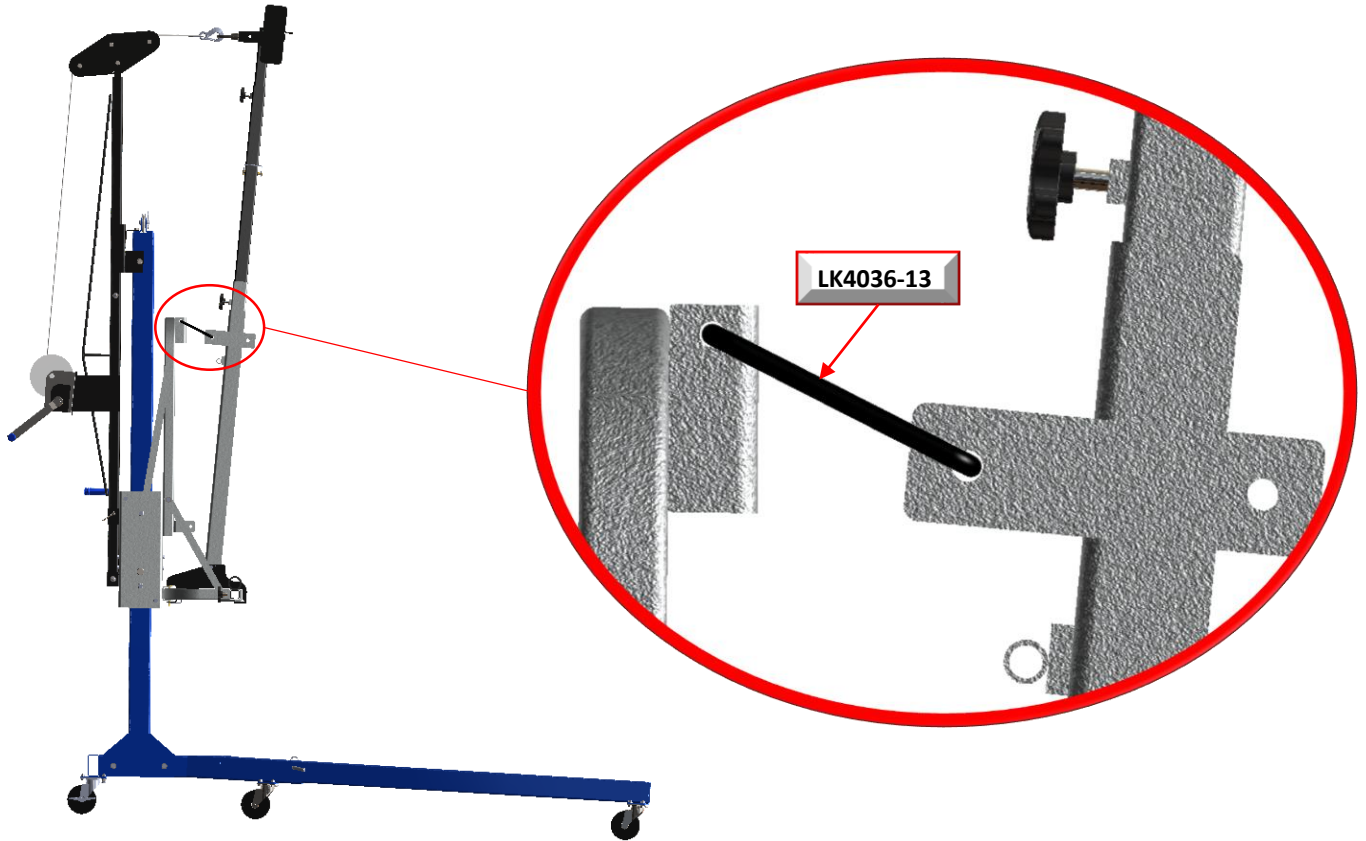
To achieve this, extend the intermediate bar to the approximate length and pin the main boom slide bar to the main boom intermediate bar as shown, using (1) 3/8 x 2 1/2 Square Bail Locking Pin. **DO NOT TIGHTEN THE STAR KNOB ON THE MAIN BOOM.** THE INTERMEDIATE BAR WILL NEED TO MOVE SLIGHTLY WHILE THE MAIN BOOM IS BEING RAISED.



Assembly

STEP 17

When in a raised position, always lock the main boom to the LK4000 (Main Component) using the LK4036-13 Tilt Boom Locking Pin.



Safety

- 1: Always lock the casters of the LK4000 Main Component while a pickup bed is in the upright position. Moving the unit while in this position may cause the LK4000 to tip over.
- 2: Never raise the unit without the stopper being attached to the LK4036-14 tilt boom.
- 3: Regularly check the cable for fraying. If cable is frayed, replace immediately.
- 4: When in a raised position, never work on the truck bed unless the LK4036-13 tilt boom locking pin is in place.

Operation

Once the LK4036 Tilt Boom is assembled and the setup is complete, follow the operating instructions for the LK4053 Box Attachment to secure the truck bed to the unit.

