Changing Bearings on HD Pro Screed

12/5/2024

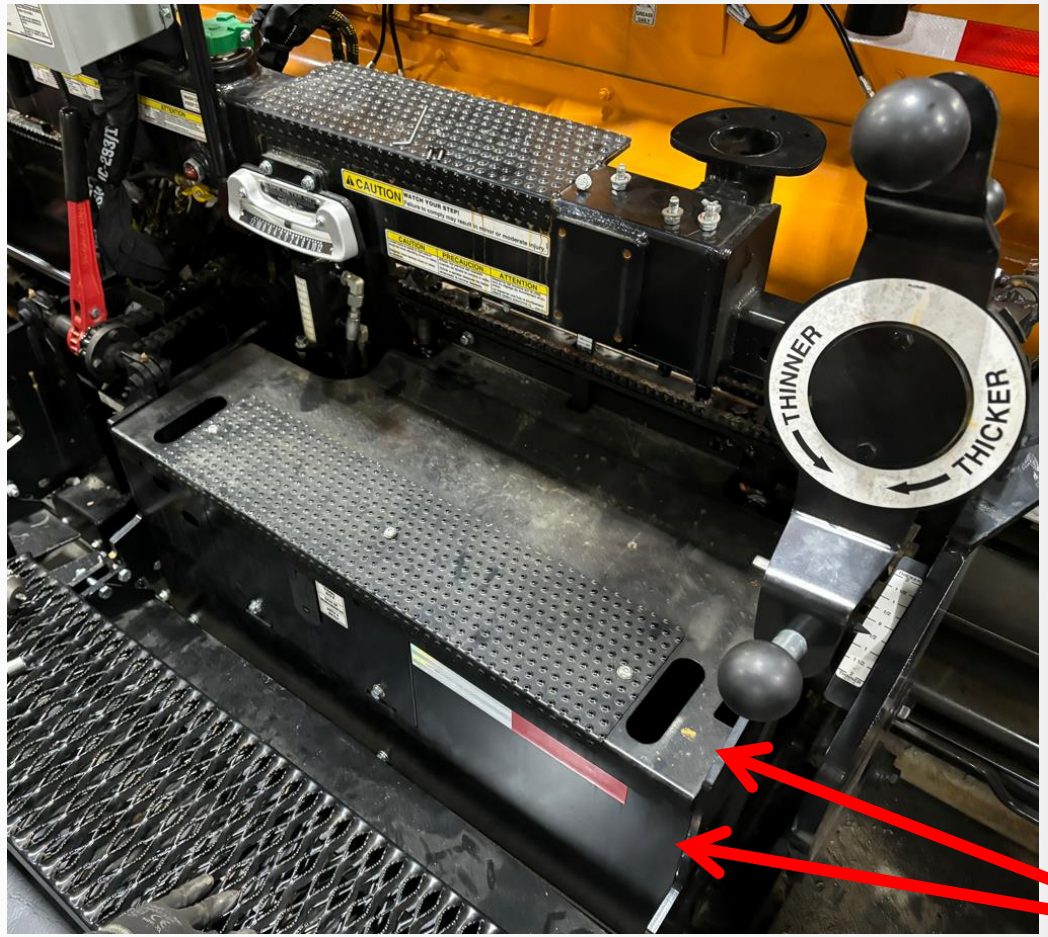
Designed with the Paving Professional in Mind.®

Changing Screed Bearings HD Pro - 8608			
Part Group	Part Number	Part Description	Quantity
Mechanical	870030-01	BEARING, HEIGHT ADJUSTER, WITH PLUG	4
Mechanical	100-8-13-32-8	1/2"-3 X 2" HEX BOLTS, GRD 8	8
Mechanical	302-8	1/2" LOCK WASHER	8
Mechanical	204-8-13-8	1/2"-13 STOVER LOCK NUTS	8

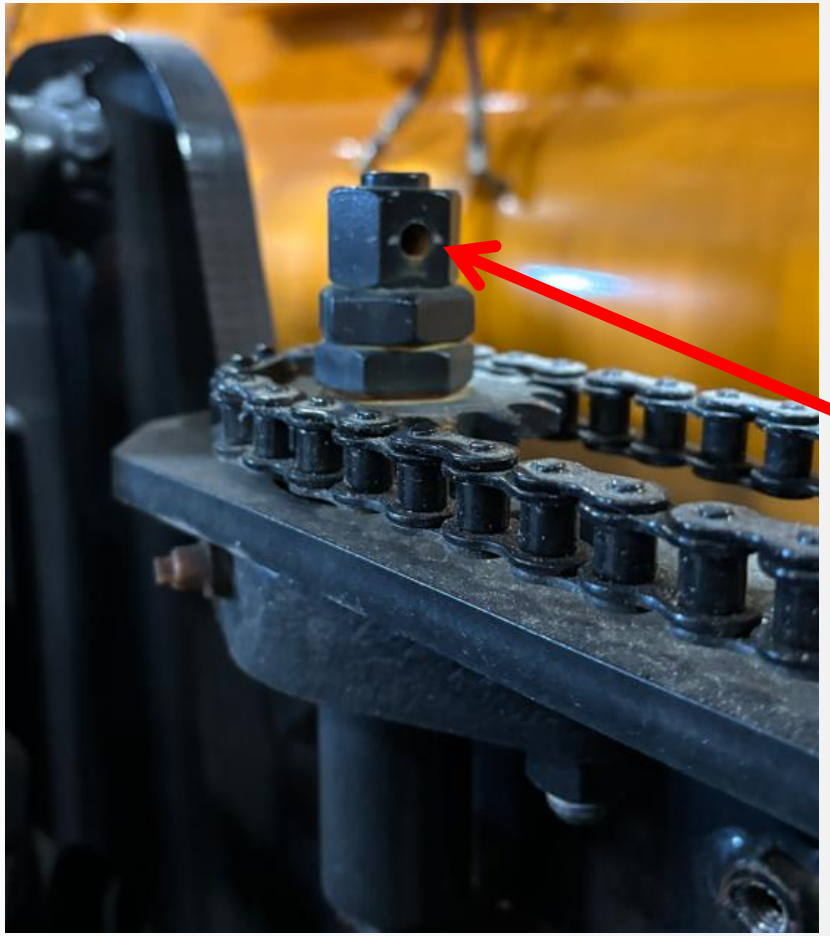
Locate the kit containing the stated parts.

Remove the bolts that are holding the E-Chain support bracket.

When removed, set the bracket and the chain cover to side.

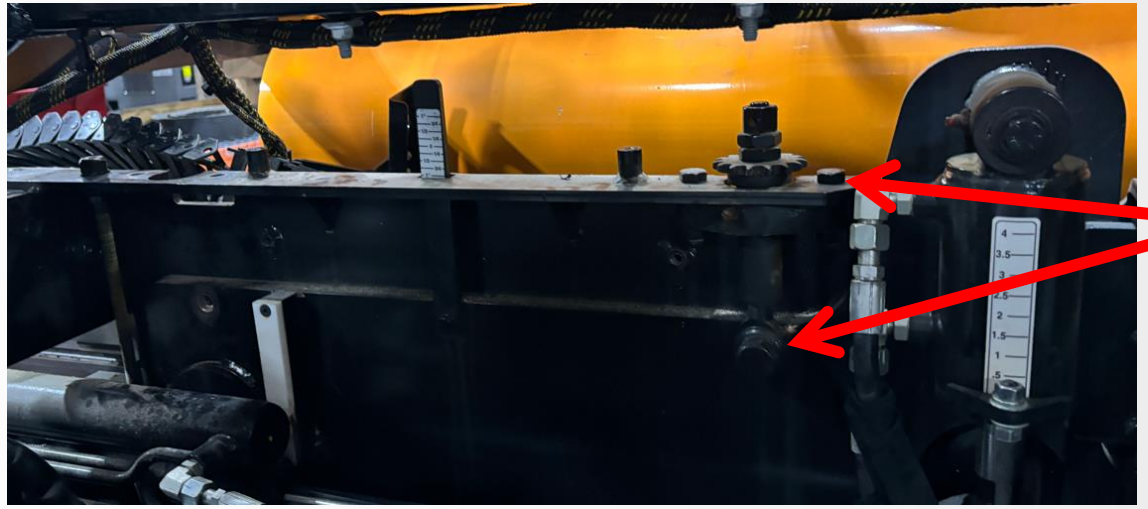


Remove the covers from each side of the screed frame.



Temporarily remove the roll pin from the top of each vertical assembly adjuster.

- **Do not loose the roll pin!**



Next, loosen the hardware for one of the vertical screw adjusters, and remove the chain roller.

Unfasten the jam nuts, that are on top of the adjuster assembly.

Loosen the set screws that are holding the sprocket to the adjuster.

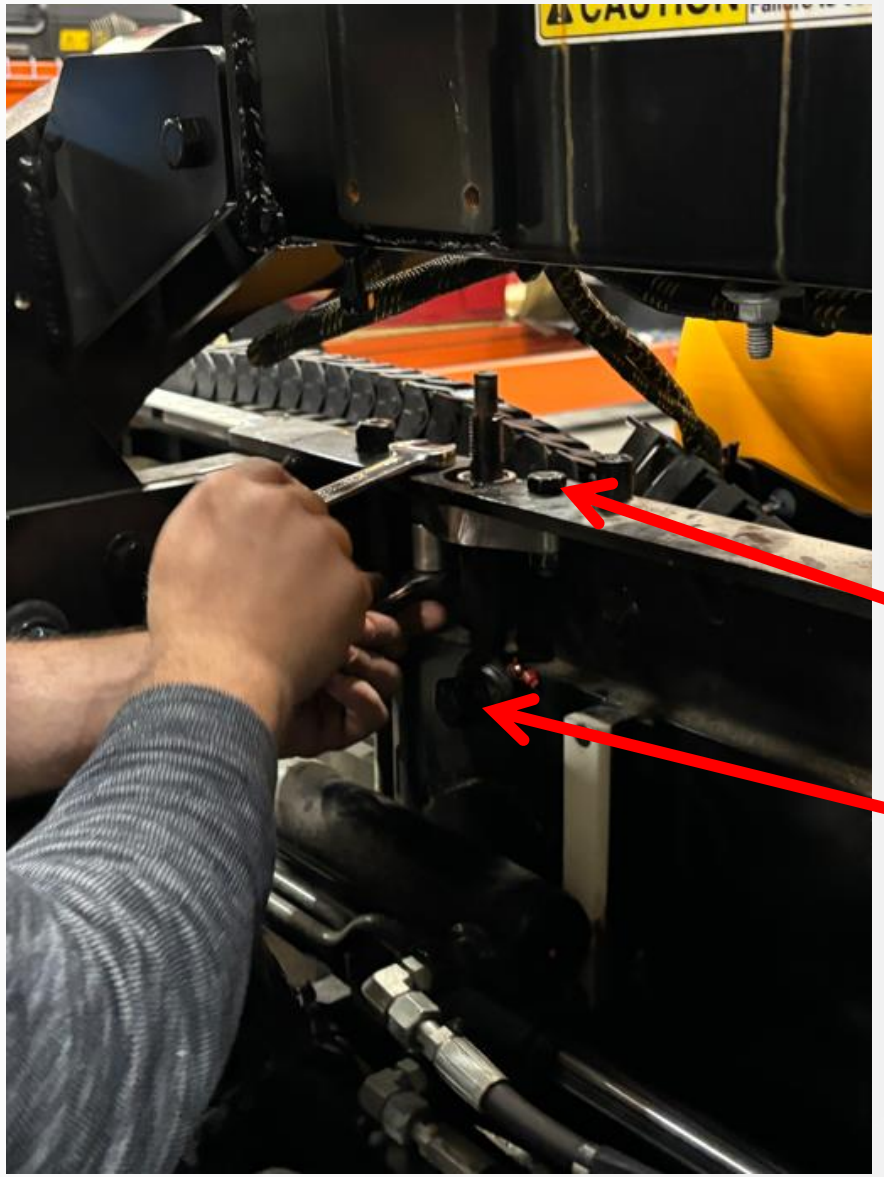
Loosen the set screws that are holding the existing flight screw bearing.

Remove the sprocket from the adjuster.

Remove the vertical screw adjuster from the screed assembly.

Remove the bearing from the adjuster.

Locate one of newly supplied vertical screw adjuster bearings (PN# 870030-HD). Make sure the grease fitting is a 90 degree for access.



Paint the outer edges of the new bearing, before placing it onto the adjuster screw.

Use the supplied ½” and the previously removed ¾” hardware, along with the following bolt order, to securely fasten the adjuster assembly back to the screed assembly.

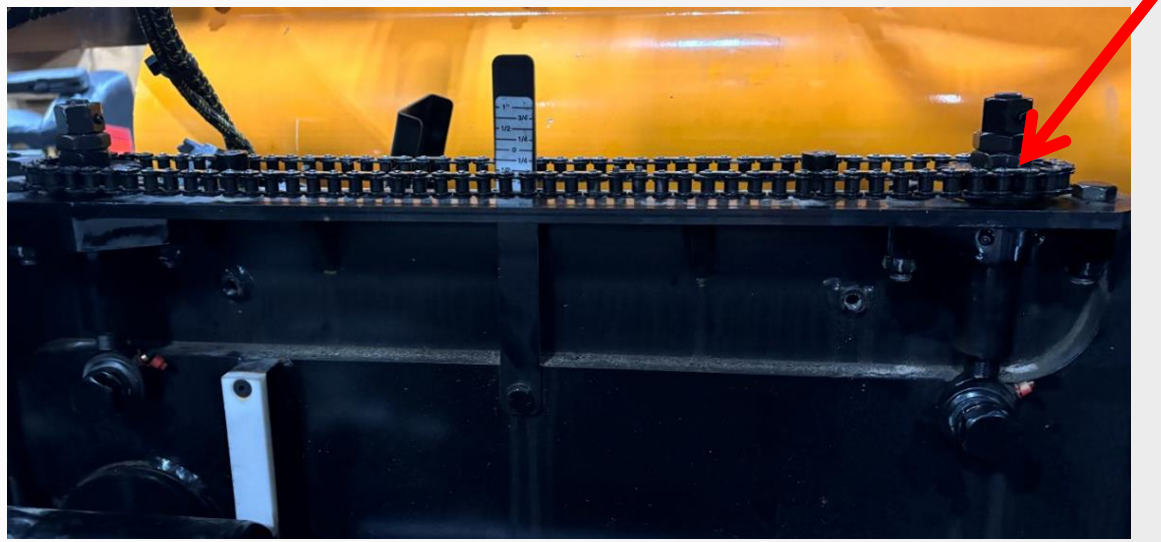
- Ensure that the grease fitting is facing toward the center of the screed frame.
- Bolt order for bearing (top to bottom): ½” Hex Bolt → Lock Washer → Bearing → Screed Frame Plate → Stover Locknut
- Bolt order for bottom of the adjuster (back to front): ¾” Hex Bolt → Lock Washer → Vertical Screw Adjuster → Pivot Plate

Refasten the sprocket and the two jam nuts back onto the top of the adjuster.

Repeat the same process for the other bearing on the same side of the machine.

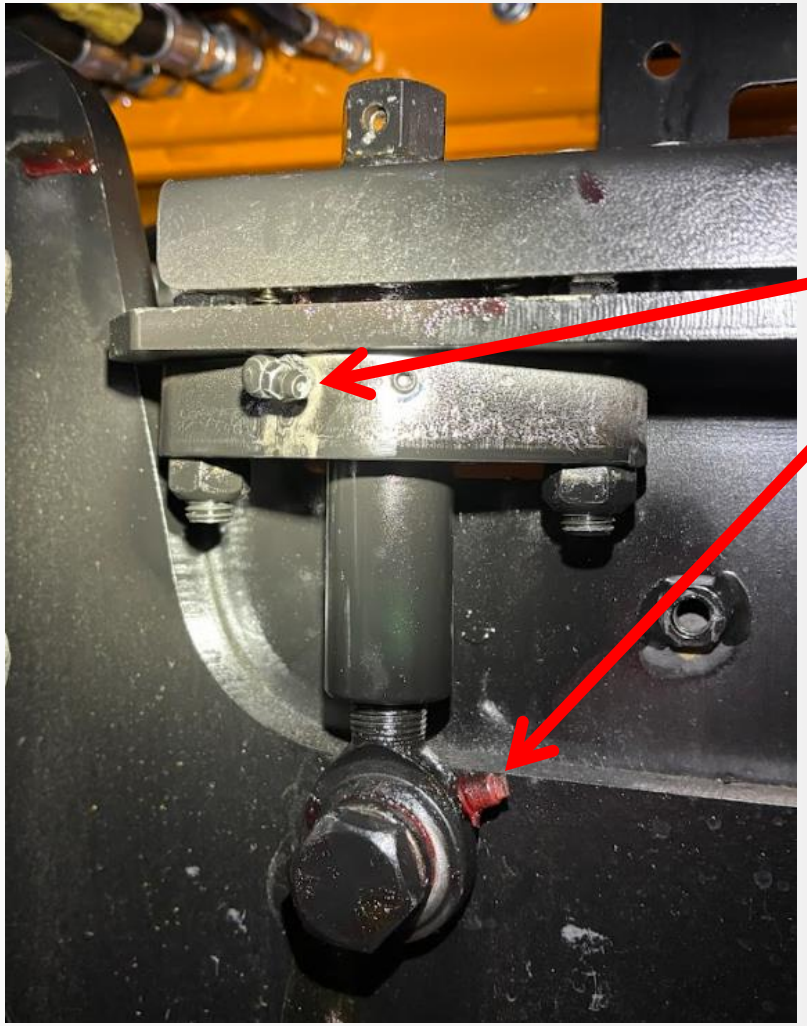
Place the set nut on top of the adjuster assembly and align the holes between the two components.

Reinsert the roll pin through both components, locking it in place.



Fasten the new roller chain around the sprockets.

Repeat the same process for the other side of the machine.



Apply grease to the newly installed bearings.

When finished, refasten every cover, back into their proper positions.

Finally, ensure that screed is properly set.