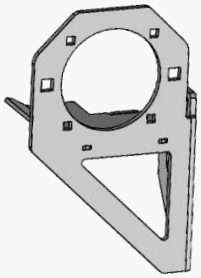
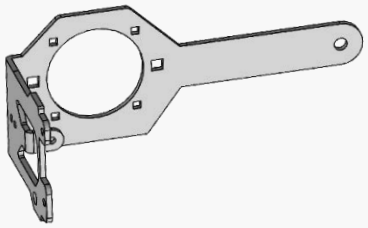
HYDRAULIC BRACKET INSTALLATION MANUAL

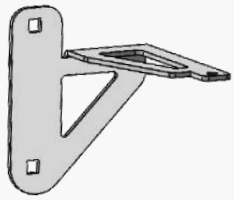
INCLUDES



Main Bracket



L-Bracket



Shield Bracket

HYDRAULIC BRACKET HARDWARE KIT

$^{5}/_{16}$" x 1 $^{3}/_{4}$" Carriage Bolt (1)

$^{5}/_{16}$" x 2" Carriage Bolts (2)

$^{3}/_{8}$" x 1 ½" Carriage Bolts (2)

$^{5}/_{16}$" Serrated Flange Nuts (3)

$^{3}/_{8}$" Nyloc Flange Nuts (2)

Note: All hardware must have anti-seize applied to prevent binding.

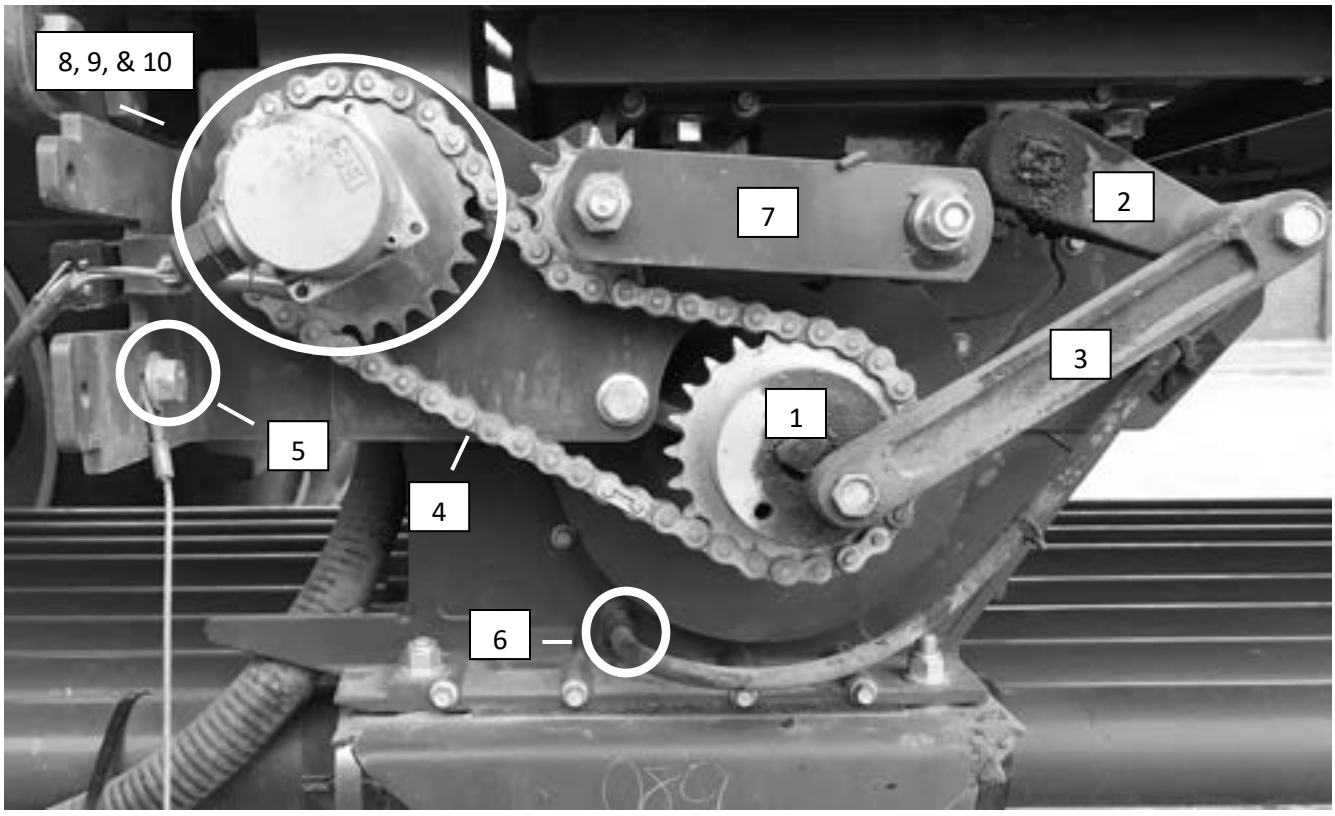
John Deere Hydraulic Meter Disassembly

After removing the tubes and the below meter components from the John Deere meter, select meter parts should be saved and reassembled onto the Boss 2.0 Meter Housing.

The list below includes the John Deere components that will be reused on the Boss 2.0 Hydraulic Drive Meter:

Meter Drive Side

1. Drive Sprocket w/ Key
2. Agitator Drive Arm w/ Hardware
3. Drive Arm w/ Hardware
4. Chain
5. Shield Cable w/ Hardware
6. Pressure Gauge Fitting
7. Chain Tensioner w/ Hardware
8. Hydraulic Motor
9. Hydraulic Drive Sprocket
10. Motor Speed Sensor

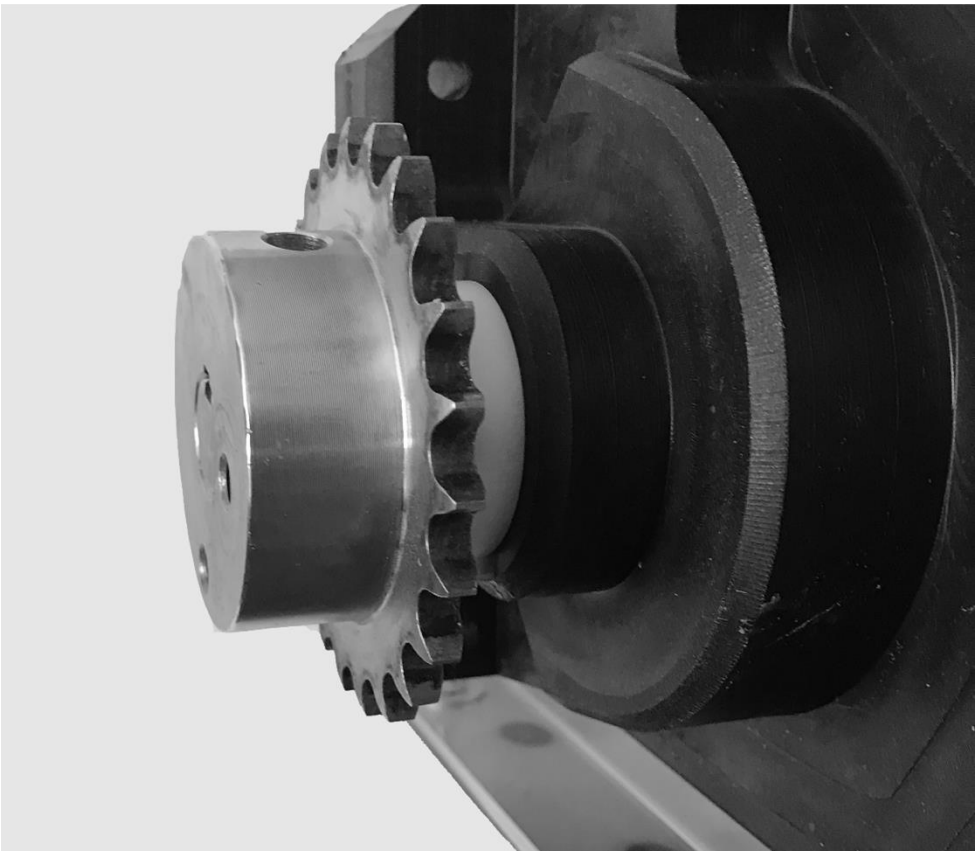


Hydraulic Drive Sprocket

1. Slide the hydraulic drive sprocket onto the shaft with the key. The sprocket should be installed with the tooth end closest to the housing, as shown in the picture below.

2. The shaft should be close to flush with the end of the sprocket. You may need to apply pressure to the shaft from the inside to help with adjustment.

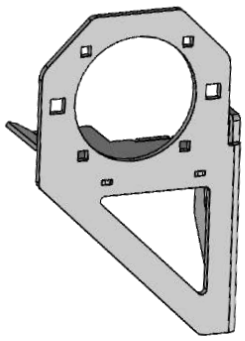
3. Insert shaft key and tighten set screw.



Main Bracket

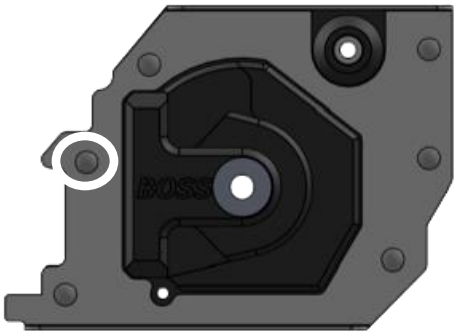
Items Needed:

- Main Bracket
- $^{5}/_{16}$" x 1 $^{3}/_{4}$" Carriage Bolt (1)
- $^{5}/_{16}$" x 2" Carriage Bolts (2)
- $^{5}/_{16}$" Serrated Flange Nuts (3)
- $^{1}/_{2}$" Wrench or Socket



Install Main Bracket

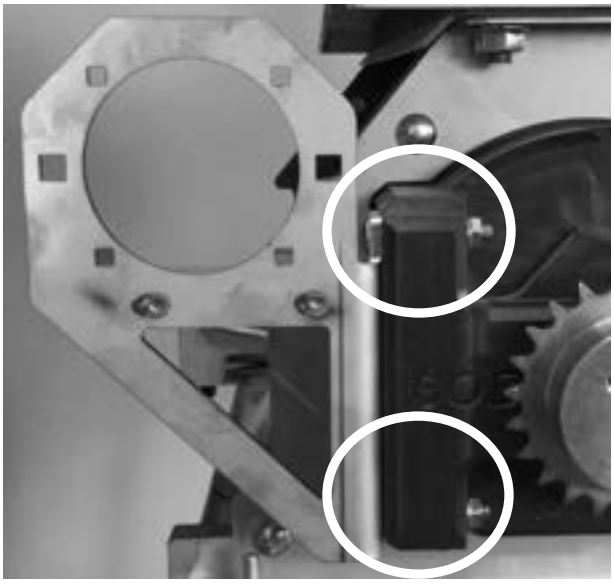
1. Remove one $^{5}/_{16}$" x 1 $^{1}/_{2}$" Carriage Bolt and Serrated Flange Nut from the drive end. **This bolt and nut will not be re-used.**



2. Attach the Main Bracket using one $^{5}/_{16}$" x 1 $^{3}/_{4}$" Carriage Bolt and Serrated Flange Nut (in place of the $^{5}/_{16}$" x 1 $^{1}/_{2}$" from the previous step).

$^{5}/_{16}$" x 1 $^{3}/_{4}$" Carriage Bolt (1)

3. Use two $^{5}/_{16}$" x 2" Carriage Bolts to attach the Main Bracket to the side of the end cap, as seen below:

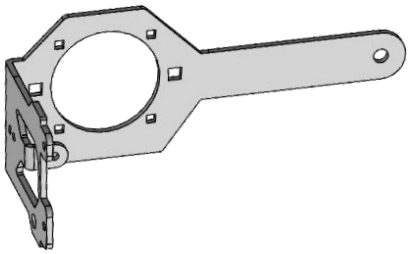


$^{5}/_{16}$" x 2" Carriage Bolts (2)

$^{5}/_{16}$" Serrated Flange Nuts (3)

L-Bracket

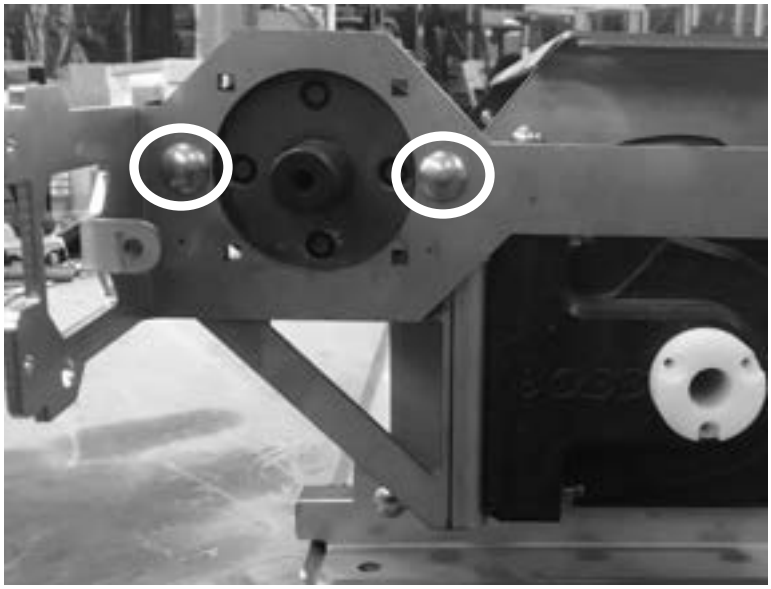
Items Needed:



- Hydraulic Motor (from disassembly)
- L-Bracket
- $^{3}/_{8}$" x 1 $^{1}/_{2}$" Carriage Bolts (2)
- $^{3}/_{8}$" Nyloc Flange Nuts (2)
- $^{9}/_{16}$" Wrench and Socket

Install L-Bracket

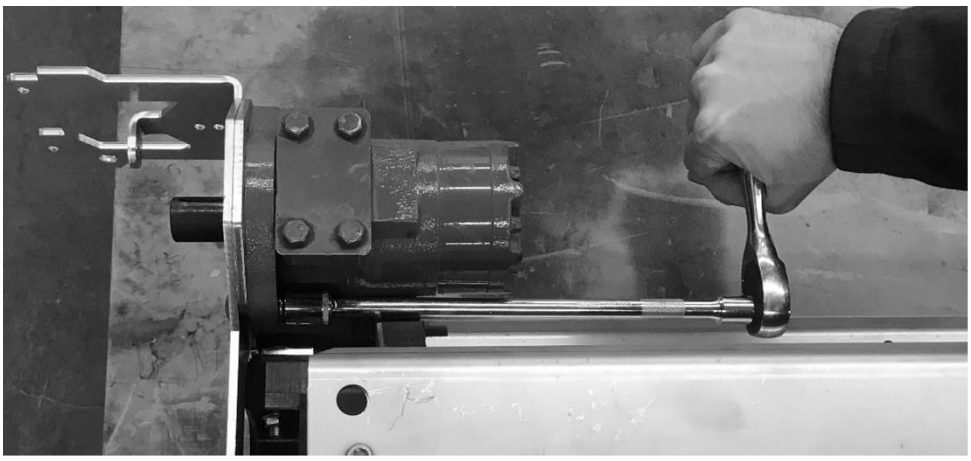
1. Attach the L-Bracket using two $^{3}/_{8}$" x 1 $^{1}/_{2}$" Carriage Bolts with $^{3}/_{8}$" Nyloc Flange Nuts. The bolts hold the Hydraulic Motor and the L-Bracket in position.



$^{3}/_{8}$" x 1 ½" Carriage Bolts

$^{3}/_{8}$" Nyloc Flange Nuts (2)

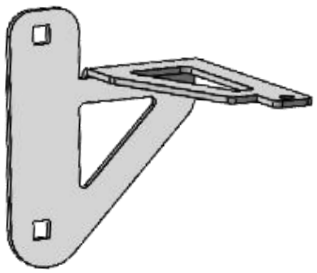
Note: An extension is needed to reach the inside $^{3}/_{8}$" Nyloc Flange Nut to attach the Hydraulic Motor.



Shield Bracket

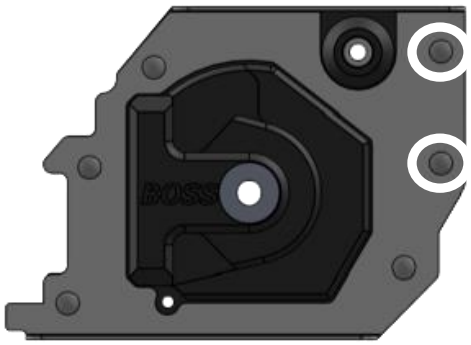
Items Needed:

- Shield Bracket
- $^{1}/_{2}$” Wrench or Socket



Install Shield Bracket

1. When attaching the Shield Bracket, first remove the two $^{5}/_{16}$” x 1 $^{1}/_{2}$” Carriage Bolts, as shown below.



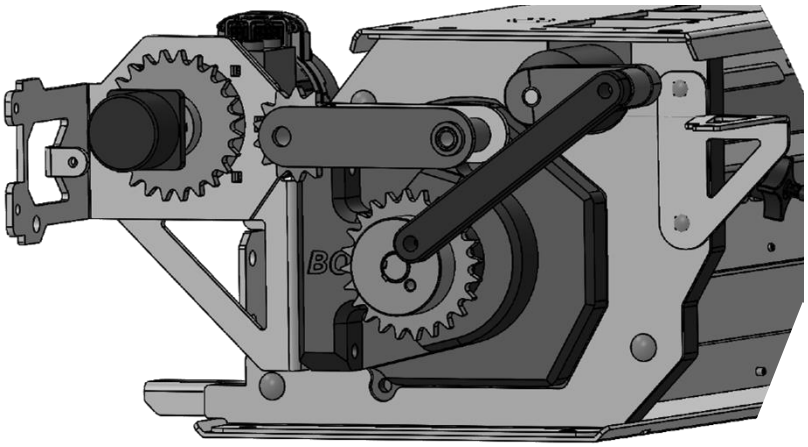
2. Position the Shield Bracket onto the meter housing.

3. Make sure that the cable is tightened so that the cable eyelet is facing straight out. This will allow the meter clean-out door to move freely.

Note: All hardware must have anti-seize applied to prevent binding.

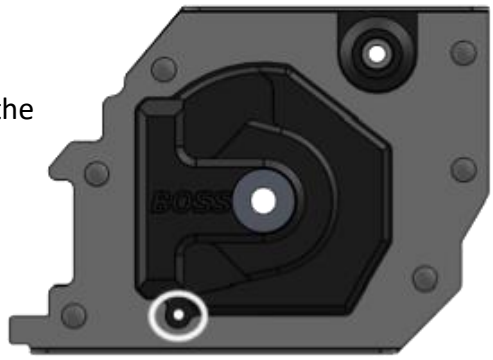
After Brackets Are Installed

Below is a diagram showing the reassembly of the John Deere meter components.



Pressure Gauge Fitting

The Tank Pressure Gauge Fitting is attached to the meter through the hole as shown. The hose fitting threads into the hole.



Drop-In Dividers

The set of Drop-In Dividers need to be placed inside the meter so that the Pressure Gauge Fitting fits into the hole in the divider.

Note: **The Drop-In Dividers should be inserted after the run kits have been installed.**