

DuraWear™

Durawear Gauge Wheel Arm and Scraper Kit Installation

This guide is intended for use when installing the **753110** replacement gauge wheel arms and the **753111** scraper kit. This guide also details practices for inspection and service of the gauge wheel arms and service/replacement of the gauge wheel arm wear clip.

753110 Gauge Wheel Arm Kit Components

Description	Quantity
Gauge Wheel Arm Assembly and Wear Clip (Wear Clip indicated in blue below, machined boss indicated in red)	1
Pivot Assembly with Snap Ring (Indicated in yellow below)	1
Hardware Kit — contents listed below	1
—M16 x 2 x 70mm Hex Cap Screw	1
—M12 Washer	1
—M16 Washer	1
—M12 Top Lock Nut	1
—M16 x 90mm Bolt	1
—M12 –1.75 x 70mm Carriage Bolt	1



753110 Gauge Wheel Arm Installation

John Deere ME2, XP, ME5 – Quick Adjustable

Step 1:

Remove the old gauge wheel arm. The wheel will be reused but the hardware may be discarded.

Step 2:

Inspect the gauge wheel for damaged or missing rubber and inspect the axel bearing before reinstalling.

Step 3:

Ensure that the disc openers are properly shimmed. Adjust or replace shims if necessary. Shims should be as close to even on both sides as possible (ex. 4 shims on the left, 5 shims on the right).

Step 4:

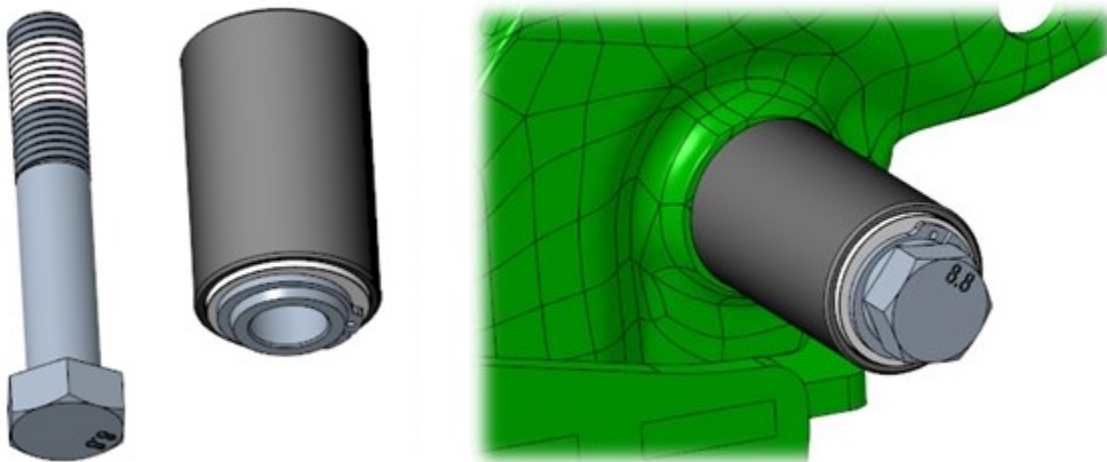
Using the included M16x70mm bolt and the M16 flat washer, secure the gauge wheel to the 753105 gauge wheel arm. Torque the bolt to *160 ft. lbs.*

Note: The gauge wheel may be shimmed from the arm if required. The casting has a machined boss that is designed to eliminate the need for gauge wheel shims, but shims may still be necessary in some situations.



Step 5:

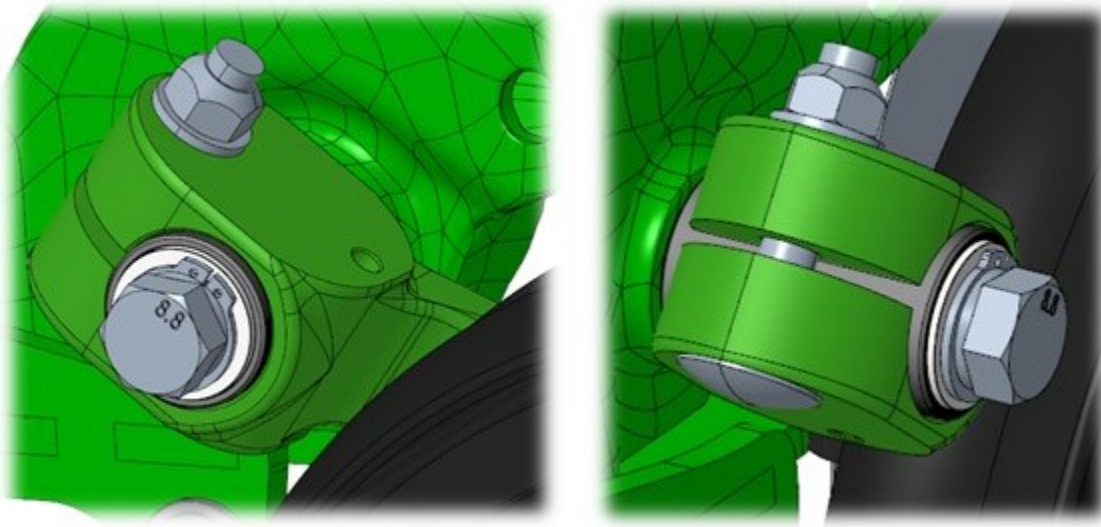
Using the included M16x90mm bolt, secure the pivot assembly to the shank. The snap ring on the pivot assembly should face the bolt head. Hand-thread the bolt into the shank, then torque to *160 ft. lbs.*



Step 6:

Slide the included M12 carriage bolt through the gauge wheel arm clamping hole. The bolt may be installed in either direction. Place the M12 washer on the top side of the arm and hand tighten the M12 nut over it.

Note: If installing the 753111 Scraper Kit, the M12 carriage bolt and nut from Step 6 nut will be used to secure the scraper. Proceed to the **Scraper Kit Installation** section of this guide to avoid removing/reinstalling the carriage bolt during scraper installation.

**Step 7:**

Slide the gauge wheel arm assembly over the pivot. Ensure proper gauge wheel fit and wear.

- a: Lift each gauge wheel up until it contacts the depth stop. Rotate each wheel and check for contact with the opener discs.
 - If the gauge wheel turns with excessive difficulty *or* does not gently brush the opener discs, slightly loosen the clamp nut and adjust the gauge wheel arm accordingly.

Step 8:

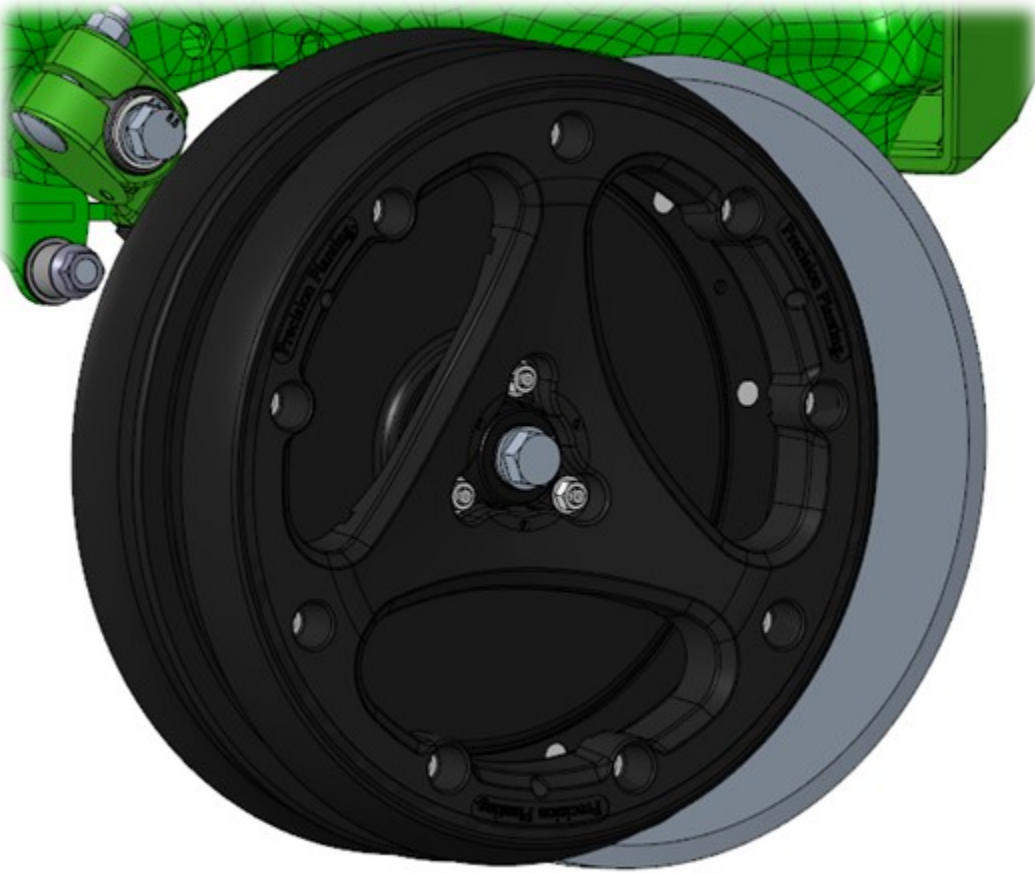
Tighten the clamp nut to *65 ft. lbs.* to ensure that it is locked.

Step 9:

Repeat the process for the second gauge wheel arm

Step 10:

Installation complete. Continue to the **Gauge Wheel Arm Inspection & Service** portion of this guide for additional information.



753111 Scraper Kit Installation

Step 1:

Loosen the gauge wheel arm clamp nut and slide the arm off the pivot.

Step 2:

Remove the clamp nut, washer, and carriage bolt. These will be reused.

Step 3:

Secure the scraper base assembly to the bottom of the gauge wheel arm using the hardware removed in step 2.



Step 4:

Adjust the gauge wheel and secure the clamp bolt as described in step 6 of the **753110 Gauge Wheel Arm Installation** section.

Step 5:

Assemble the scraper blade with the included M8 flange nuts. Blades are side-specific so ensure to install the correct blade on the correct side. Adjust the blade until it reaches the desired position relative to the gauge wheel tire. Torque the M8 flange nuts to *16 ft. lbs.*

Step 6:

Repeat for the opposite gauge wheel arm.

Gauge Wheel Arm Inspection And Service

Step 1:

Inspect gauge wheel for proper fit and wear:

- a: Lift each gauge wheel up until it contacts the depth stop. Rotate each wheel and check for contact with the opener discs.
 - If the wheel turn with excessive difficulty, add gauge wheel shims
 - If the gauge wheel does not gently brush the opener discs, remove gauge wheel shims
- b: Ensure the rubber lip on the inside edge of the gauge wheel gently brushes the opener disc. If there is metal-on-metal contact, the gauge wheel should be replaced.
- c: Another way to check for proper fit and wear is to lift the gauge wheel until it contacts the depth stop and then release. Ensure that the gauge wheel rotates slightly and then falls into place. If the gauge wheel does not fall into place and remains wedged against the disc, remove one or more shims. If the gauge wheel fall immediately without resistance, it is shimmed to far away from the opener disc.

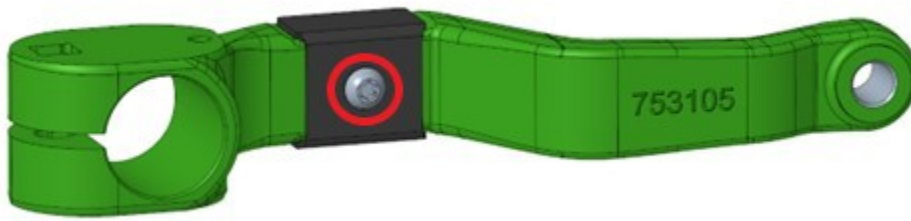
Step 2:

Inspect the gauge wheel arm:

- a: If the arms can move in/out or are not tight the bearing and/or arm may require replacement.
- b: Inspect the gauge wheel arms, mustache, and mustache bolt for pitting or rust. Examples of excessive wear are depicted below.



753106 Wear Clip Service/Replacement



Step 1:

Remove the gauge wheel from the gauge wheel arm.

Step 2:

use a T40 Torx driver to remove the wear clip bolt

Step 3:

Turn the clip over to use the other side, or replace the clip and bolt if both sides are worn.

Step 4:

Tighten the M8 wear clip bolt to *16 ft. lbs.*

Step 5:

Reinstall the gauge wheel. Refer to **753110 Gauge Wheel Arm Installation** if necessary.