

# Installation Instructions

## FW15 Front Caster Replacement Kit

Part No. 5601231

Fits FW15 Models with front caster tires

Kit Contents					
Part No.	Qty.	Description	Part No.	Qty.	Description
5418452B	2	WELDMENT, Low Profile Caster Mount	5025394	4	NUT, 3/8-16 Hex Nylock Flange
5025391	2	NUT, 1/4-20 Hex Nylock Flange			

### ⚠ WARNING

Before beginning any service work release the blade engagement lever to stop the blades and move the throttle control and engine shut down lever to the OFF position to stop the engine.

1. Drive the unit to a flat, level surface such as a concrete floor and release the blade engagement lever to stop the blades and move the throttle control and engine shut down lever to the OFF position to stop the engine.
2. Push down on the handle bars to raise the front of the unit off of the ground. Have an assistant place blocks underneath the deck so that the front end stays elevated in the air.
3. Remove the locking pin (A, Figure 1) from the trim side caster mount (B).
4. Remove the 3/8-16 X 2-1/4" bolt (C), 3/8 washer (D), and 3/8-16 hex nylock flange nut (E) that secures the caster lock (F) and thin washer (G) into the caster mount.
5. Remove the 7/16-14 X 1" bolt (H), 7/16 washer (I), debris washer (J), caster weldment (K), and arbor shield (L) from the caster mount.
6. Remove the 1/4-20 X 2" bolt (A, Figure 2), 1/4 washer (B), and 1/4-20 hex nylock flange nut (C) that is installed into the caster mount (D).
7. Remove the 3/8-16 X 2-1/2" bolt (E) and 3/8 washer (F) that connects the bottom link weldment (G) and the 16-1/2" long rod (H) to the caster mount.
8. Remove the 3/8-16 X 2-1/4" bolt (I), 3/8 washer (J), and 3/8-16 hex nylock flange nut (K) that connects the caster mount to the top link weldment (L).
9. Repeat steps #3 through #8 to remove the other caster mount from the discharge side of the unit. Discard the four (4) 3/8-16 hex nylock flange nuts and two (2) 1/4-20 hex nylock flange nuts that were removed.
10. Use a press to remove the bearing (M, Figure 1) from the existing caster mount and press the bearing into the new caster mount. Repeat this step for the other caster mount. **Discard both of the existing caster mounts.**

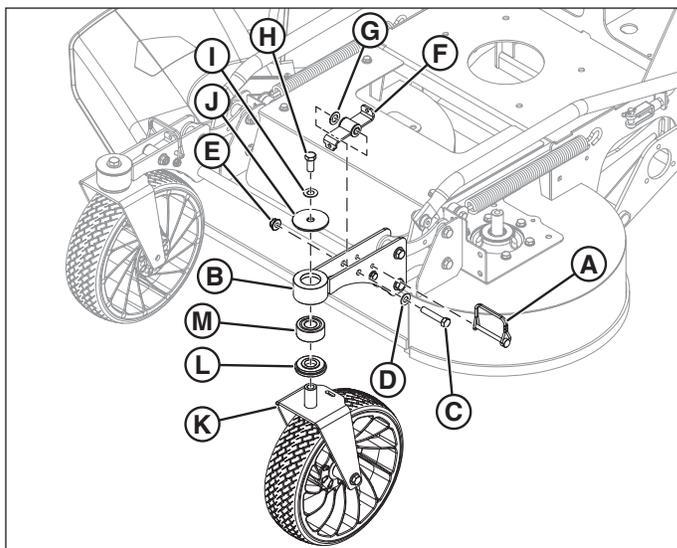


Figure 1. Removing the Front Caster Yoke

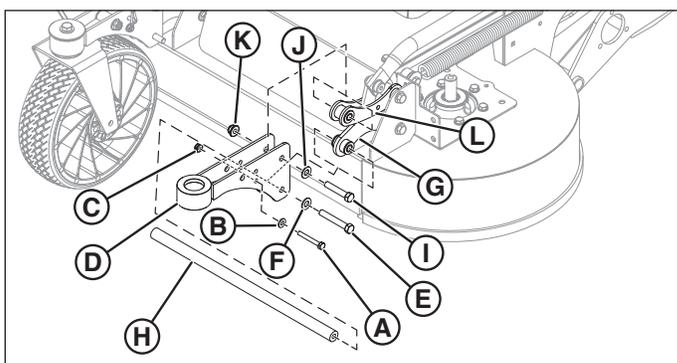


Figure 2. Removing the Front Caster Mount

- Starting on the trim side of the unit verify that the two (2) flange bushings (**A, Figure 3**) and 1-1/4" long spacer (**B**) are installed in the top link weldment (**C**). Verify that the two (2) flange bushings and 1-1/4" long spacer installed in the bottom link weldment (**D**).

*NOTE: When installing the new caster mounts all of the hardware should be left loose. You will tighten it later.*

- Install the new caster mount (**D, Figure 2**) to the top link weldment (**L**) using the 3/8-16 X 2-1/4" bolt (**I**), 3/8 washer (**J**), and a new 3/8-16 hex nylock flange (**K**).

- Install the 3/8-16 X 2-1/2" bolt (**E**) and the 3/8 washer (**F**) through the caster mount, the bottom link weldment (**G**) and into the 16-1/2" long rod (**H**).

- Install the 1/4-20 X 2" bolt (**A**), 1/4 washer (**B**), and a new 1/4-20 hex nylock flange nut (**C**) into the caster mount.

- Apply Loctite® 242 Threadlocker to the threads of the 7/16-14 X 1" bolt (**H, Figure 1**).

- Install the arbor shield (**L**) into the bottom of the caster mount and then install the caster weldment (**K**) into the caster mount and secure with the 7/16-14 X 1" bolt (**H**), 7/16 washer (**I**), and debris washer (**J**).

- Verify that the two flange bushings (**E, Figure 3**) and 1-1/4" long spacer (**F**) are installed into the caster lock (**G**).

- Install the caster lock (**F, Figure 1**) and thin washer (**G**) into the caster mount (**B**) and secure using the 3/8-16 X 2-1/4" bolt (**C**), 3/8 washer (**D**), and a new 3/8-16 hex nylock flange nut (**E**).

- Install the locking pin (**A**) into the caster mount.

- Repeat steps #11 through #19 to install the other caster mount to the discharge side of the unit.

- Tighten the hardware in this order:

- 7/16-14 X 1" bolts (**H, Figure 1**).
- 1/4-20 X 2" bolts (**A, Figure 2**). - This hardware is only tightened until the nut and washer contact the sides of the caster mount.
- 3/8-16 X 2-1/4" bolts (**I, Figure 2**).
- 3/8-16 X 2-1/2" bolts (**E, Figure 2**).
- 3/8-16 X 2-1/4" bolts (**C, Figure 1**).

- Push down on the handle bars to raise of the unit off of the blocking. Have an assistant remove the blocks from underneath the deck and then carefully lower the front of the of the unit to the ground.

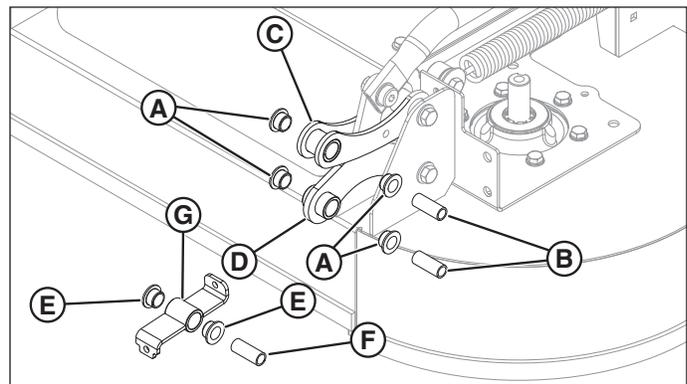


Figure 3. Spacers and Bushings