



# GROUND KIT, STATIC

Models: T7 / Speed Scrub Rider

This kit is intended for machines manufactured before serial #10266229.

The purpose of this kit is to help prevent damage to the newly installed circuit board.

## KIT CONTENTS

P/N	DESCRIPTION	QTY.
41141	Washer, Lock, Int-Ext, 0.31 ZN	4
09010	Screw, Hex, M8x1.25X25 SS	1
1030479	Wire Assy, 12.0X.312X.312 Ring Term.	1

## INSTALLATION INSTRUCTIONS:

**Installation Time: 1 Hour**

**TOOLS REQUIRED: 13mm & 1/2" socket wrenches, continuity tester or VOM meter**

1. Park the machine on a clean, level surface.
2. Turn off the machine and remove the key.
3. Unplug the positive battery cable at the red connector (Figure 1).

**⚠ WARNING: Electrical Shock Hazard. Disconnect Battery Cables Before Servicing Machine.**

4. Disconnect the operator seat connector from the main wire harness and lift the seat from the machine (Figure 1).



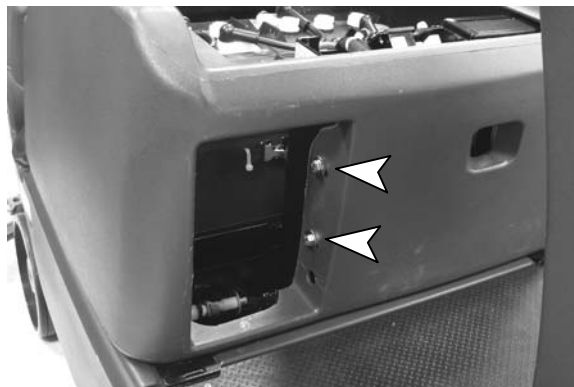
**Fig. 1**

5. Remove the FaST detergent pack (if equipped) and remove the FaST detergent holder from the front of the battery compartment shroud (Figure 2).



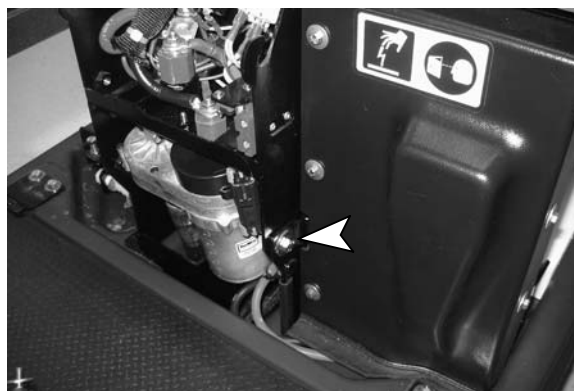
**Fig. 2**

6. Remove the two bolts that secure the battery compartment shroud and lift the shroud from the machine (Figure 3).



**Fig. 3**

7. Remove the bolt and flat washer that connect the control panel mount to the actuator mount (Figure 4).



**Fig. 4**

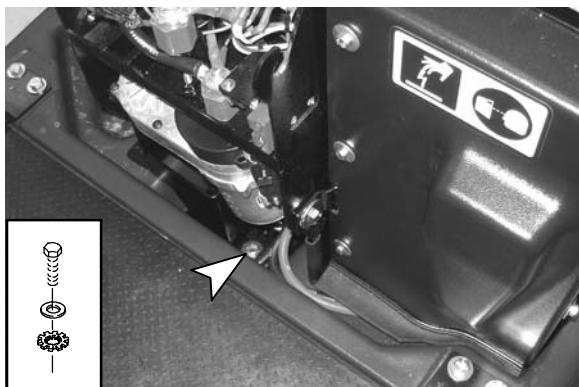
## INSTALLATION INSTRUCTIONS - Continued

8. Place one of the star washers from the kit between the control panel mount and the actuator mount and reattach the bolt and flat washer (Figure 5).



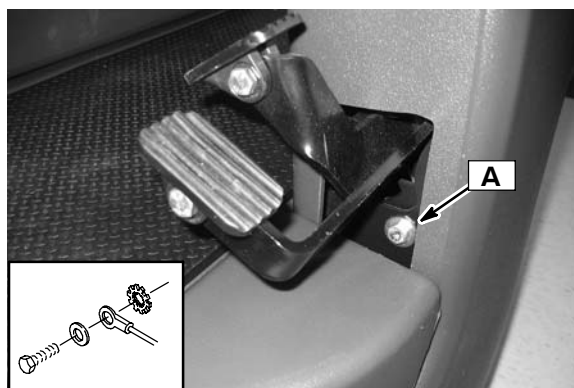
**Fig. 5**

9. Remove one of the two bolts and flat washers used to mount the actuator bracket to the main frame. Place one of the star washers from the kit under the flat washer and place back onto machine. To ease reassembly use super glue to hold the hardware in place (Figure 6).



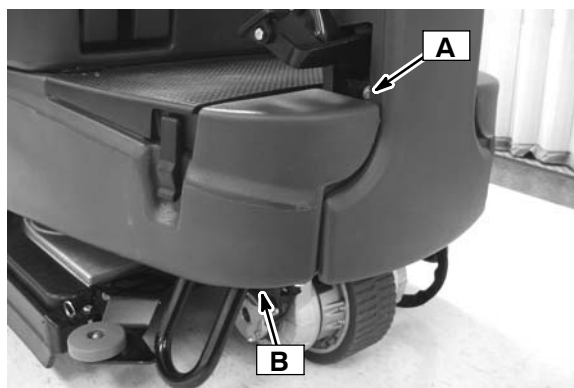
**Fig. 6**

10. Reattach the seat support shroud, seat and the FaST detergent pack and pack holder.
11. Remove bolt and flat washer (A) from pedal mounting bracket – discard bolt; save washer. Replace with one star washer, bolt and ground wire from the kit, along with the flat washer that was saved (Figure 7).



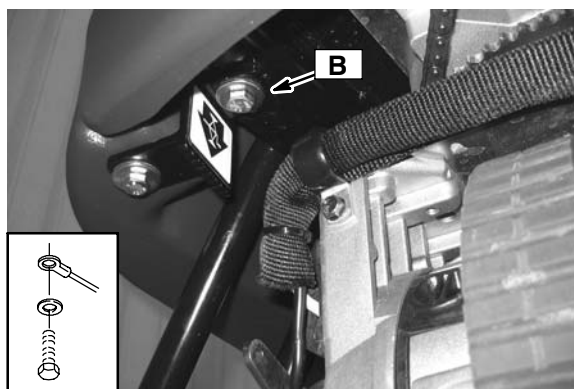
**Fig. 7**

12. Route the wire inside the steering column shroud from (A) to (B) (Figure 8).



**Fig. 8**

13. Attach opposite end of the ground wire to the jack bracket bolt (B) as shown (Figure 9).



**Fig. 9**

## INSTALLATION INSTRUCTIONS - Continued

14. If a star washer is not already installed, add one from the kit, beneath the clamp, on this seat support stud (Figure 10).



Fig. 10

### CHECK CONTINUITY:

**NOTE:** For the tests below you may need to scrape a bit of paint off to get down to the metal for points 2 & 3. This should be done sparingly and in an inconspicuous location.

1. To check for continuity between the steering tower and the control board housing, use either a continuity tester or VOM set to ohms between points 1 & 2. The continuity meter should beep or light up, the VOM should read less than about 10 ohms (Figure 11).

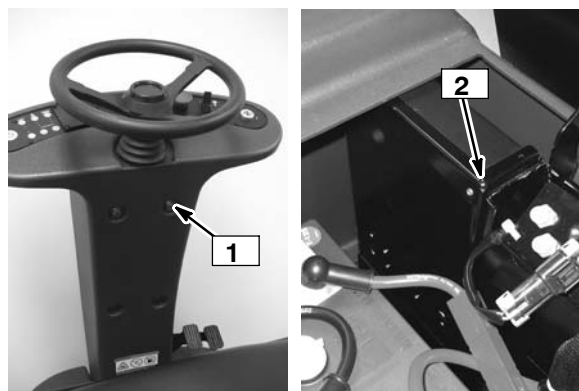


Fig. 11

2. To check for continuity between the seat pan and the control board use the same procedure across points 2 & 3. Note, if you have continuity between 1 & 2 you can test across either of points 1 or 2 to point 3 (1-to-3 or 2-to-3).

If you don't have continuity, make sure that the star washers broke through the painted surfaces (Figure 12).

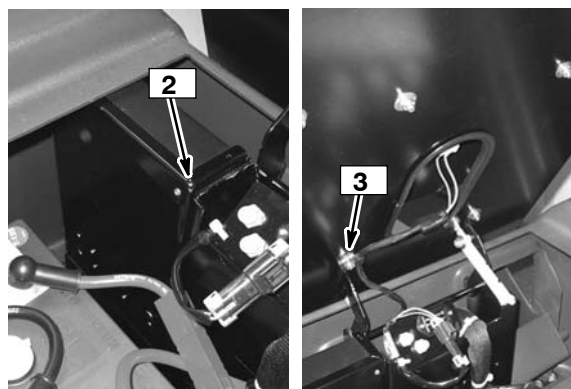


Fig. 12