



# INSTRUCTION BULLETIN

No. 340719

Machine: 7080, 7100, EZ Rider,  
6200, 7200, 7300, 8300

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Rev. 02

**NOTE: Kit to be installed only once onto machines with a single torsion spring. Not intended for general service or maintenance.**

Installation instructions for **kit number 9000705**

## DESCRIPTION:

This kit contains parts needed to replace the neutral centering spring in the directional pedal of the machines listed above.

Please follow step-by-step instructions.

## SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 1 hour)

## PREPARATION:

1. Empty the debris hopper (sweepers) and the solution and recovery tanks (scrubbers).
2. Stop the machine on a level surface, engage the park brake, turn off the machine, and remove the key.

**FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.**

3. Disconnect battery cables from machine.

**WARNING:** Always disconnect battery cables from machine before working on electrical components.

4. Jack the front of the machine up at the jacking location and place jack stands under it. Refer to the operators manual for additional information.

**FOR SAFETY: When servicing machine, block machine tires before jacking machine up. Jack machine up at designated locations only. Block machine up with jack stands.**

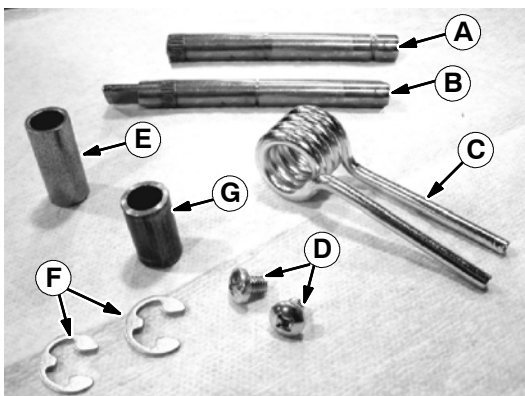


FIG. 1

## INSTALLATION:

1. Disconnect the direction pedal wire harness from the machine wire harness. The connectors are located under the front of the machine behind the horn. Refer to Fig. 2.

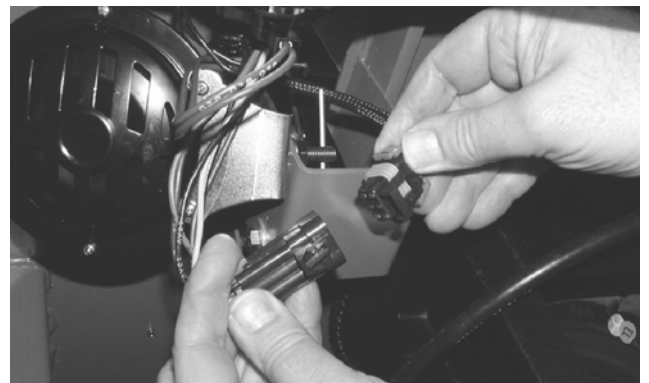


FIG. 2

2. Remove the four screws (H) and then the pedal assembly (K). Refer to Fig. 3.

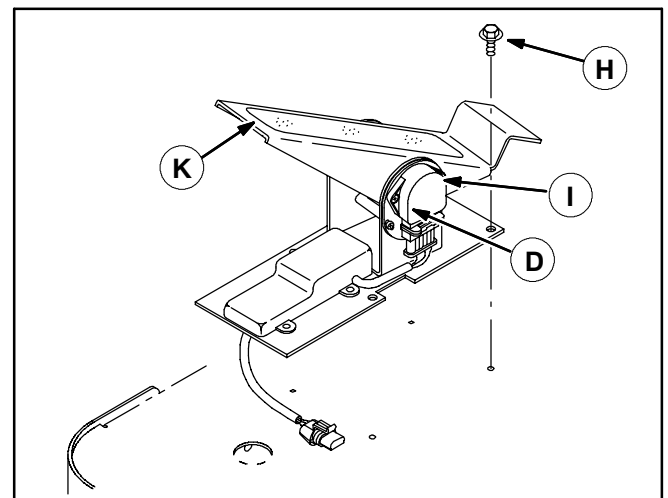


FIG. 3

3. Mark the position of the sensor mounting plate (L) to the support bracket (M). Refer to Fig. 4.

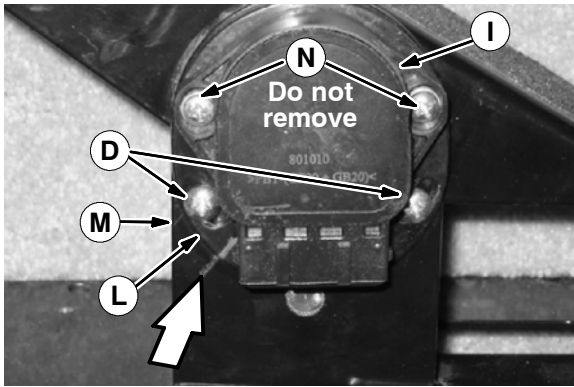


FIG. 4

4. Remove the two screws (D) mounting the sensor (I) and plate (L) to the pedal (K). Refer to Fig. 4. **Do not remove the screws (N) of the sensor.**
5. Remove the sensor mounting plate (with the sensor still attached) from the pedal assembly. Be sure the bushing (O) stays in the sensor bore. Refer to Fig. 5. If the bushing stays on the shaft, remove it and replace in sensor bore.

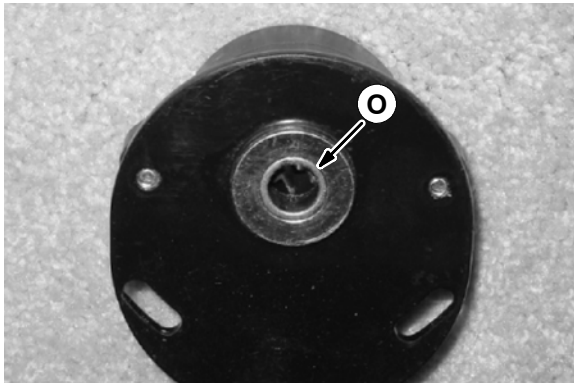


FIG. 5

6. Mark the position of the shaft tang (J) on the side of the pedal as shown. Refer to Fig. 6.

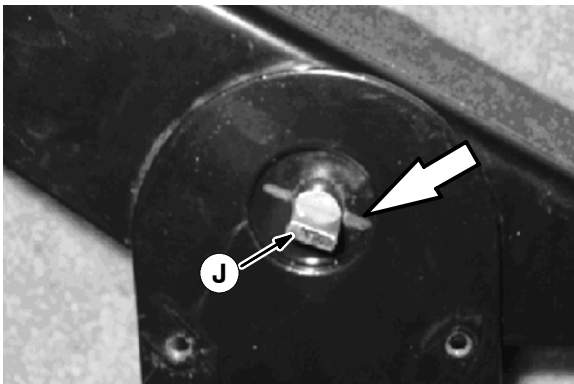


FIG. 6

7. Remove the e-clip (F) from the upper shaft (B) under the pedal. Refer to Fig. 7. Slide the spring toward the center of the shaft to release tension.

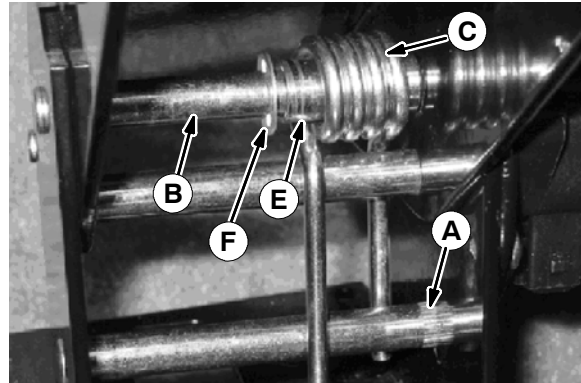


FIG. 7

8. Use a mallet and punch to drive the upper shaft (B) out from the non-tang end of the shaft. Refer to Fig. 8. **Discard the removed shaft, bushing, e-clip, and spring.**



FIG. 8

9. If possible, remove the lower shaft (A) to make reassembly easier. Refer to Fig. 7. If this lower shaft is very tight, do NOT remove it. If it can be easily removed by hand, then remove it.

10. Reassemble the new upper shaft (B) parts by inserting the shaft through the large hole in the base support and the left side of the pedal. Add the new bushing (E) and the new spring (C). The legs of the spring must be over the center pin as shown. Refer to Fig. 9.

*Tip: Position the pedal near the neutral position to make installing the pin through the spring easier.*

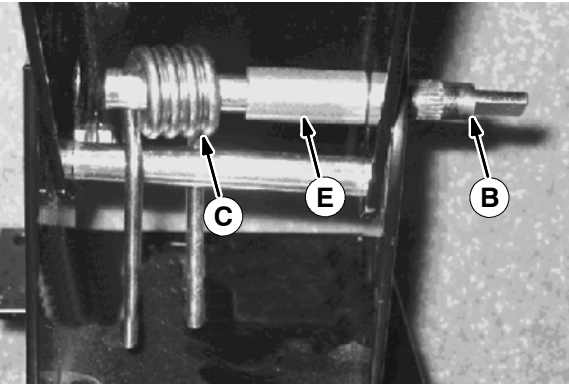


FIG. 9

11. Align the tang of the upper shaft with the position marked previously (Refer to Fig. 6) and align the shaft with the remaining holes (right side) in the pedal and base support.

**NOTE: The potentiometer shaft can only be removed one time. If the shaft is not installed correctly, a new directional pedal assembly should be installed.**

**NOTE: Be sure the potentiometer shaft is secured and that it does not rotate freely.**

12. Use the smaller sleeve (G) as a template by placing it over the tang end of the shaft. Use a rubber or plastic mallet to drive the pin into the side of the pedal until the tang is flush with the edge of the sleeve. Refer to Fig. 10.  
*Caution: Do not use a regular hammer since the tang could be damaged, preventing complete reassembly.*

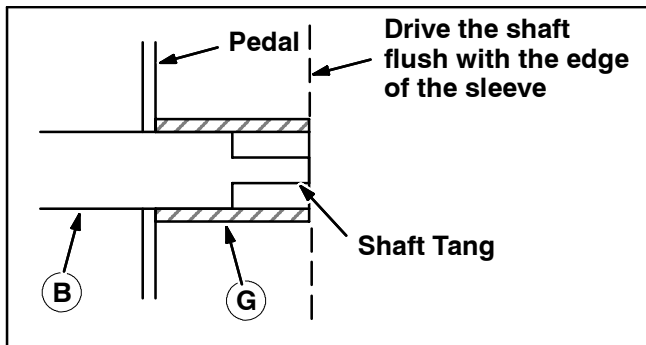


FIG. 10

13. Check to ensure the tang is still aligned with the mark. This is important for forward/reverse drive calibration. Refer to Fig. 6.

14. Work the spring (C) over to the center of the bushing (E) and slide the spring/bushing combination to the sensor side of the pedal. Refer to Fig. 7.

*Tip: This is easier to complete if the pedal is in the neutral position. Install the new e-clip (F) in the shaft groove.*

15. Place the new lower shaft (A) into the pedal assembly and through the legs (P) of the spring. Refer to Fig. 11. Secure the shaft with the new e-clip (F) on the inside of the pedal support opposite the side of the sensor. **If the lower shaft was not removed earlier, skip this step.**

**NOTE: If the lower shaft (A) has a smaller diameter boss on the end, it does not need to be replaced. Use the existing shaft.**

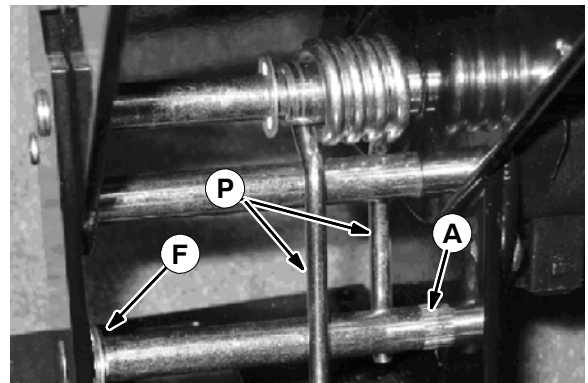
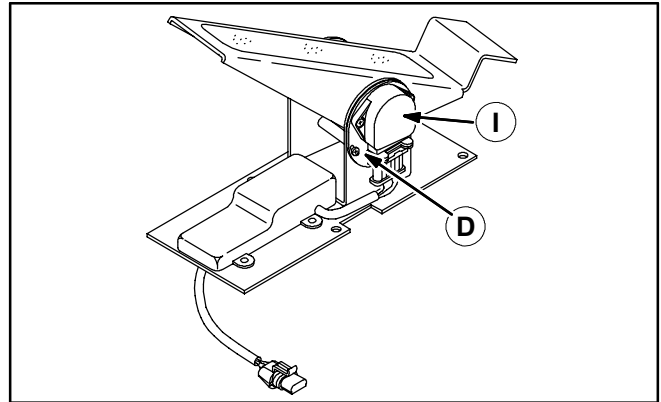


FIG. 11

16. Reinstall the sensor (I & L) plate carefully mating the shaft tang with the slot inside the sensor. Be sure the sensor slides all the way on to the shaft.  
*TIP: Slowly "wiggle" the sensor back and forth to center it on the shaft.*
17. Align the sensor plate with the mark made in Step 6. Refer to Fig. 4.
18. Install the two mounting screws (D) with a small amount of adhesive. Refer to Fig. 4.
19. Reinstall the pedal assembly (K) on to the machine with the four screws (H). Refer to Fig. 3.
20. Reconnect the direction pedal wire harness to the machine wire harness. Refer to Fig. 2.

#### TESTING:

1. With the machine still on the jacks and the parking brake engaged, sit in the operator seat to engage the seat switch and turn the key switch to the ON position.
2. Disengage the parking brake and cycle the foot pedal through the forward and reverse positions.
3. Release the foot pedal and allow it to return to the neutral position.
4. While still in the operator seat, have an assistant check to ensure the front drive wheel does not rotate in either direction while the pedal is in the neutral position.
5. If the wheel rotates when the pedal is in the neutral position, adjust the sensor (I).
6. Loosen the two screws (D) in the slotted holes and turn the neutral sensor (I) slightly to adjust the neutral pedal setting. Refer to Fig. 12. Be sure to tighten the screws after each adjustment. Adjust the sensor until the machine does not move when the foot pedal in the neutral position.



**FIG. 12**

7. Remove the jack stands and lower the machine to the floor when complete.

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