

Procedure 7.19 - Replacing the Speed Sensor Assembly

Removing the Speed Sensor Assembly

1. Set the on off/off switch in the \downarrow off position, then unplug the power cord from the wall outlet.

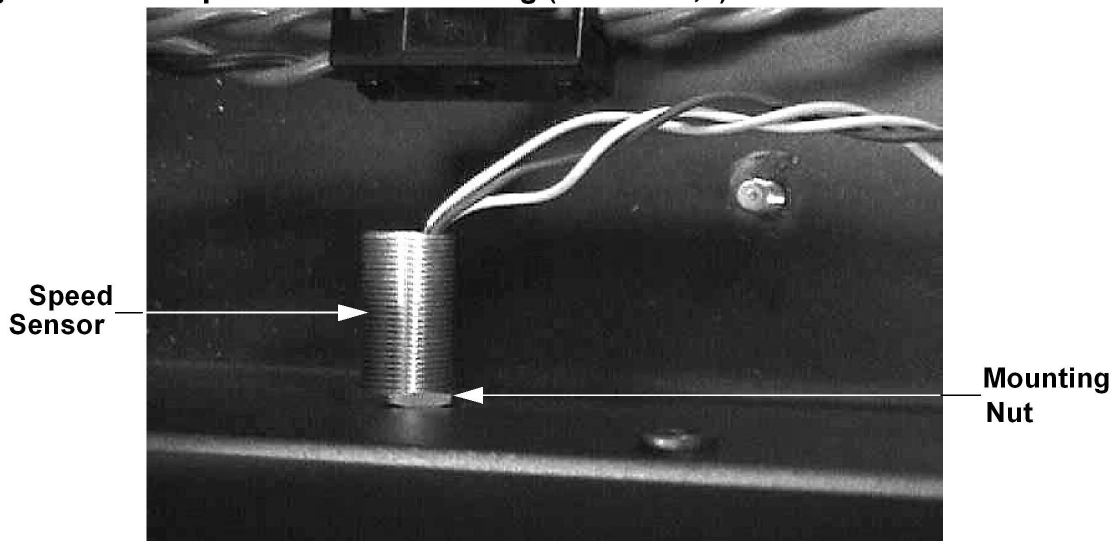
WARNING

Before continuing with this procedure, review the Warning and Caution statements listed in Section One, Things You Should Know.

Note: The speed sensor magnet must be mounted in the right hand crankarm on version 1, 2 units and in the left hand crankarm of version 3 units. The speed sensor magnet must be mounted in the correct crankarm or the speed sensor will not function.

2. For version 1, 2 units continue with step 3. For version 3 units skip to step 10.
3. Remove the rear cover.
4. Disconnect the speed sensor cable from the lower PCA. See Diagram 7.17A.

Diagram 7.17A - Speed Sensor Mounting (version 1,2)



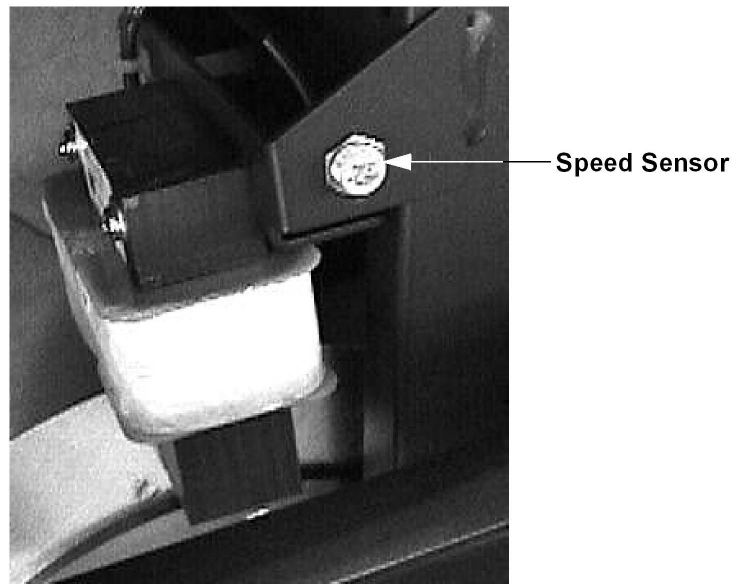
5. Remove the mounting nut that secures the speed sensor assembly to the frame. Thread the speed sensor out of the frame.

Replacing the Speed Sensor Assembly

6. Thread the replacement speed sensor into the frame as far as possible. Rotate the crankarm until the magnet in the crankarm is next to the speed sensor. Thread the speed sensor out of frame, as required, to set the distance between the speed sensor and the magnet to 1/4 inch.

7. Replace mounting nut that secures the speed sensor to the frame.
8. Reconnect the speed sensor cable to the lower PCA.
9. Re-install the rear cover, then check the operation of the C546 as described in Section Four.
10. Remove the left rear cover.
11. Disconnect the speed sensor cable from the lower PCA.

Diagram 7.17B - Speed Sensor Mounting (version 3)



12. Remove the mounting nut that secures the speed sensor assembly to the frame. Thread the speed sensor out of the frame.

Replacing the Speed Sensor Assembly

13. Thread the replacement speed sensor into the frame as far as possible. Rotate the crankarm until the magnet in the crankarm is next to the speed sensor. Thread the speed sensor out of frame, as required, to set the distance between the speed sensor and the magnet to 1/4 inch.
14. Replace mounting nut that secures the speed sensor to the frame.
15. Reconnect the speed sensor cable to the lower PCA.
16. Re-install the left rear cover, then check the operation of the C546 as described in Section Four.