Procedure 7.19 - Replacing the Magnet Pivot Assembly

IMPORTANT
Use this procedure when you must install a new magnet assembly, eddy current disk, target label and magnet pivot assembly.

Removing the Magnet Pivot Assembly

1. Turn off the EFX 544 with the circuit breaker, then unplug the power cord from the wall outlet.
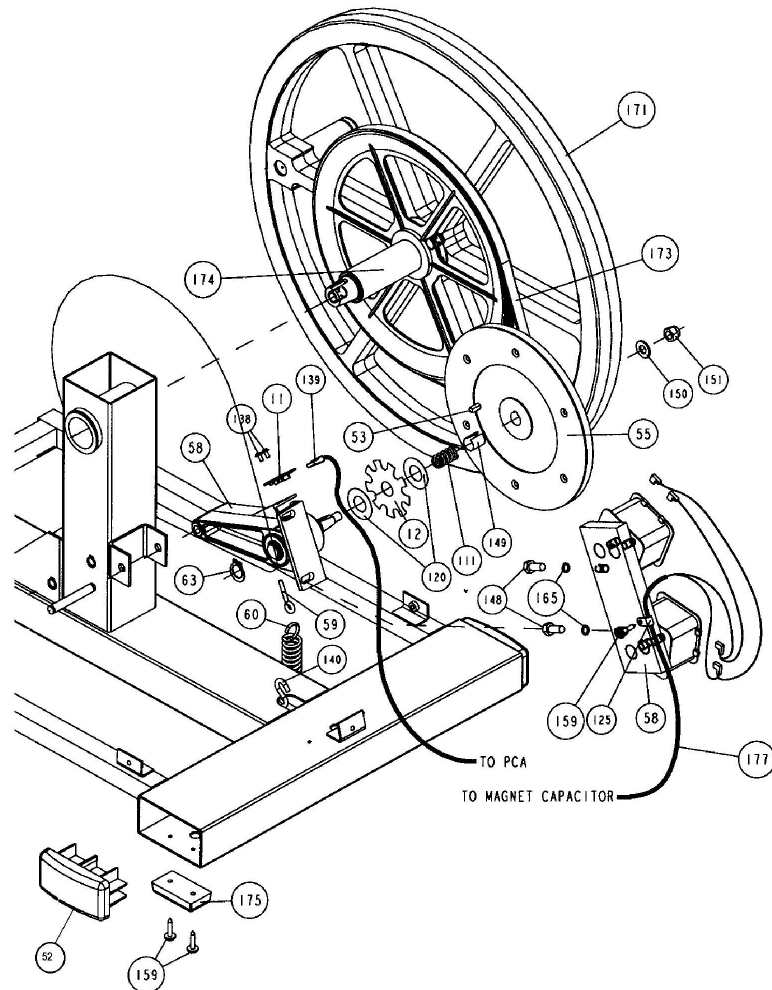
WARNING
Before continuing with this procedure, review the Warning and Caution statements listed in Section One, Things You Should Know.

2. Remove the rear cover as described in Procedure 7.1.

3. Remove the flywheel belt as described in Procedure 7.15.

4. Remove the screw(s) that secure(s) the speed sensor assembly to the magnet pivot assembly.

5. Disconnect the magnet cables from the magnet assembly.

6. Remove the snap ring from one end of the magnet weldment pivot pin.

7. Use the rubber mallet to tap the magnet weldment pivot pin out of the magnet weldment.

8. Remove the tension spring from the magnet weldment (see Diagram 7.12).

Replacing the Magnet Pivot Assembly

9. Place the tension spring onto the EFX 544 frame and the new magnet pivot assembly.

10. Position the magnet pivot assembly against the EFX 544 frame. Push the magnet weldment pivot pin into the magnet weldment. If necessary, use a rubber mallet to push the pivot pin into the magnet weldment.

11. Replace the snap ring into the end of the pivot pin.

Diagram 7.7 - Magnet Pivot Assembly

12. Position the speed sensor so that the sensor "legs" evenly straddle the edge of the speed label.

13. Replace the screw(s) that secure(s) the speed sensor to the magnet pivot assembly.

CAUTION
Rotate the eddy current disk assembly shaft. Check to be sure that the speed label does not rub against the speed sensor.

14. Connect the magnet cables to the magnet assembly.

15. Replace the flywheel belt as described in Procedure 7.15.

16. Re-install the rear cover as described in Procedure 7.1, then check the operation of the EFX 544 as described in Section Four.