



Technical Service Information

FORD AX4S/AX4N VEHICLE SPEED SENSOR CHANGES

CHANGE: The gear driven vehicle speed sensor that has been in use in the AX4S and the AX4N since their inception will be replaced, as a running change during the 1999 model year beginning with the AX4S, and at the start of production for the 2000 model year for the AX4N, with a permanent magnet speed sensor. The PM Generator will be mounted in the barrel of the case and will be using the park gear teeth as an exciter wheel.

REASON: The possibility of the VSS drive or driven gear "apple coring" will be eliminated as well as the intermittent loss of vehicle speed signal due to the speed sensor sub harness damage that would occur as a result of exhaust system heat transferral.

PARTS AFFECTED:

- (1) TRANSAXLE CASE - Changed to accommodate mounting the new design speed sensor so that it is in line with the planetary support and the park gear.
- (2) FINAL DRIVE SUPPORT - Changed to accommodate mounting the new design speed sensor and now has a "*cut out*" for the speed sensor to look through at the park gear, as shown in Figure 1.

INTERCHANGEABILITY:

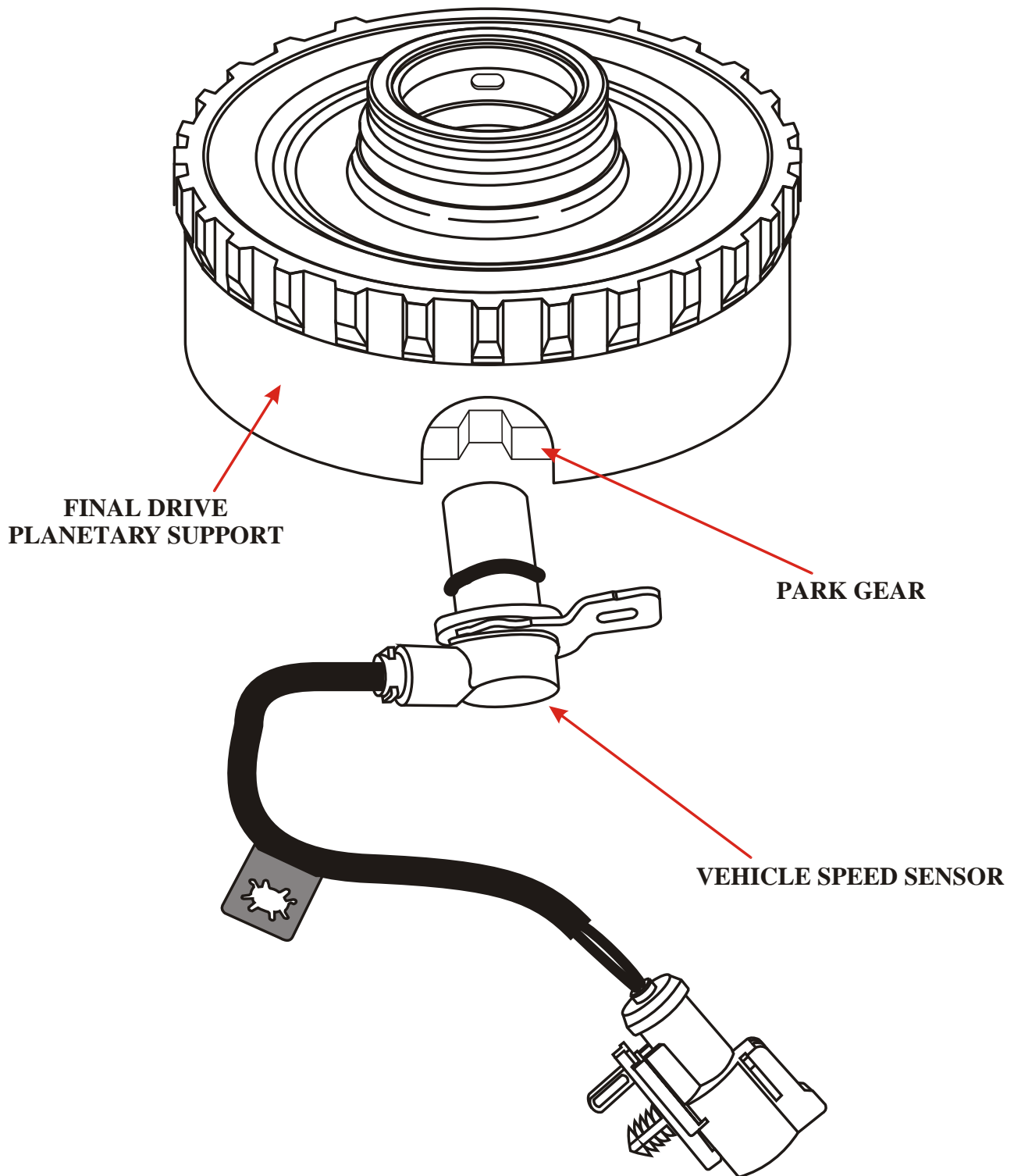
The PM Generator type of speed sensor being new to the vehicle line, would prevent them from being used in any earlier vehicles not designed with this type of system.

The vehicle speed sensor for the AX4S is illustrated in Figure 2 and the vehicle speed sensor for the AX4N is shown in Figure 3.

SERVICE INFORMATION:

AX4S Vehicle Speed Sensor.....	XF2Z-7H103-AA
AX4N Vehicle Speed Sensor.....	YF1Z-7H103-AA

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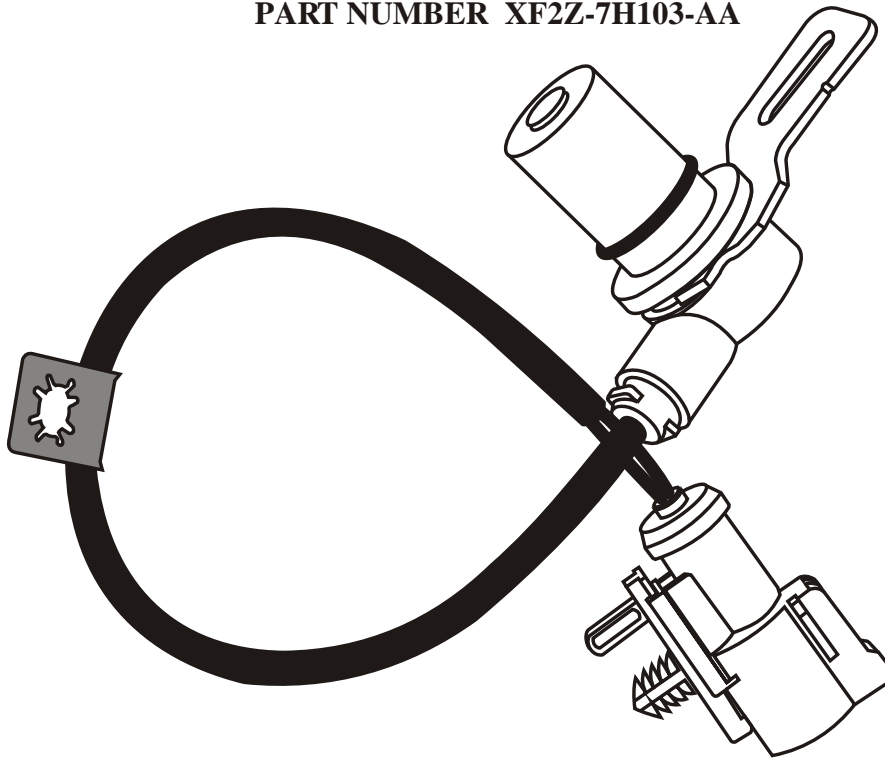


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Figure 1

AX4S VEHICLE SPEED SENSOR

PART NUMBER XF2Z-7H103-AA

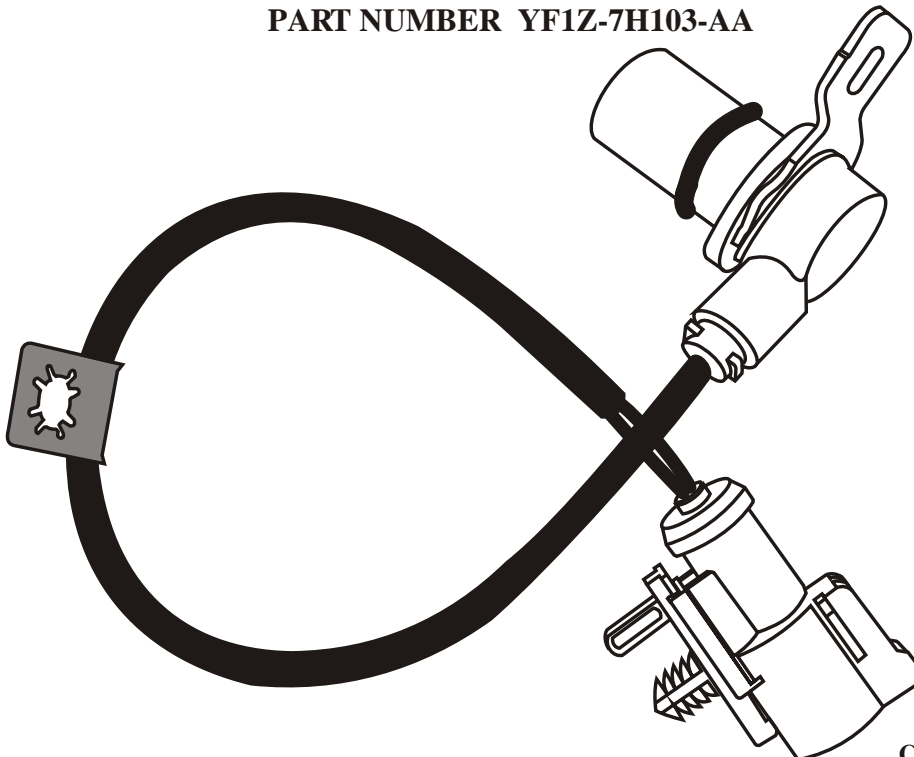


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Figure 2

AX4N VEHICLE SPEED SENSOR

PART NUMBER YF1Z-7H103-AA



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Figure 3