

ABS BRAKE PEDAL PULSATION 1991-92 CADILLAC DEVILLE, FLEETWOOD, SIXTY SPECIAL

Some 1991 - 1992 DeVille, Fleetwood and Sixty Special Cadillac owners may notice the brake pedal pulsating or vibrating indicating that the Teves IV anti-lock brake system is cycling. The owner may also comment that the brake pedal drops approximately one inch at the end of a brake stop. These symptoms usually take place when decelerating below 10 mph and the brakes are not applied hard enough and/or road conditions are not such to activate the anti-lock brake system.

This condition is normally caused by moisture intrusion into the rear wheel speed sensor (s). The pedal vibration (ABS cycling), due to moisture intrusion, may or may not set a trouble code. You must use a scan tool (with appropriate software) to read any diagnostic trouble codes stored in the Electronic Brake Control Module (EBCM). **NOTE:** You must follow the Wagner ABS service manual (or other appropriate service manual) to repair any stored diagnostic trouble codes.

If any of the rear ABS speed sensor diagnostic trouble codes are stored or if no diagnostic trouble codes are stored, replace both rear wheel sensors, clear the codes, and road test the vehicle before replacing any other ABS component.

A new rear wheel speed sensor kit has been released for service, General Motors part number

10457129 (one per box). This newly designed unit is black in color. The old design was gray.

To replace the rear speed sensor you must:

1. Remove hub and bearing assembly. (Refer to figures 1 and 2 on the backside of this sheet for removal and installation procedure.)
2. Clean area surrounding sensor housing/interface area.
3. Remove torx type screws securing sensors, then the sensor. **DO NOT ALLOW DIRT OR OTHER CONTAMINANTS TO ENTER SENSOR HOUSING!**
4. **DO NOT ADD LUBRICANT TO BEARING THROUGH SENSOR HOUSING OPENING.** This bearing is lubricated for the life of the vehicle.
5. **DO NOT CLEAN GREASE FROM TOOTHED SENSOR RING.** Grease does not effect the operation of the sensor.
6. Reverse the procedure to install. Ensure O-ring is not torn or missing. Torque torx screw to 33 inch lbs.



WHEEL SPEED
SENSOR CONNECTOR

FIG. 1

Rear Wheel Speed Sensor Assembly

SCREWS

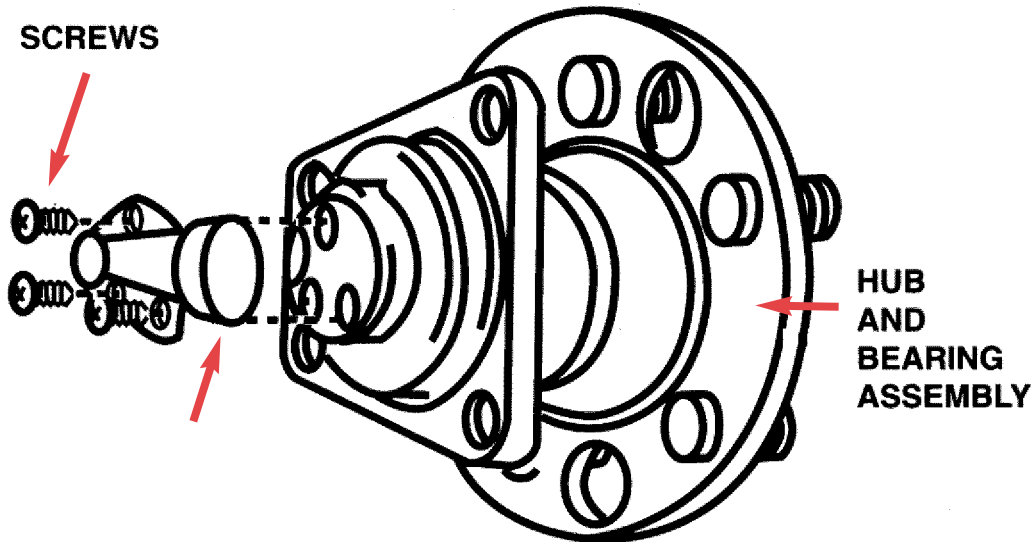


FIG. 2