

No. BPI 09-15

Subject: Slow speed ABS false modulation. This is a revision of bulletin 02-02 as indicated in the last paragraph.

Vehicle Involved: SUV'S, Light and Medium Duty Trucks. All vehicles that incorporate wheel speed sensors in steering knuckle and differential housings.

Condition: Rust build up underneath the wheel speed sensor increases air gap, reducing the signal frequency. Low resistance value wheel speed sensors are particularly sensitive to air gap differences, resulting in slow speed false modulation.

Repair Procedure: Remove wheel speed sensor retaining bolt and sensor from hub / knuckle. With a wire brush, clean any rust or corrosion from the mounting surface. At the sensor, carefully remove the buildup of rust, corrosion, or debris. Clean the hole that the sensor fits into.

A light coating of dielectric grease should be applied to the hub / knuckle and sensor gasket. Re-install the sensor and bolt. When installing the sensor, do not rely on the mounting bolt to seat the sensor. Press down firmly, to assure the sensor is seated against the hub or knuckle. Test drive to verify that the problem has been resolved.

Fig. 1

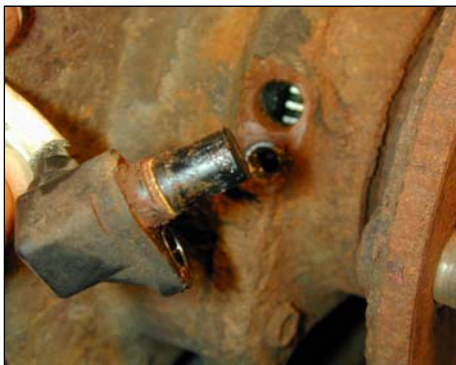


Fig. 2

