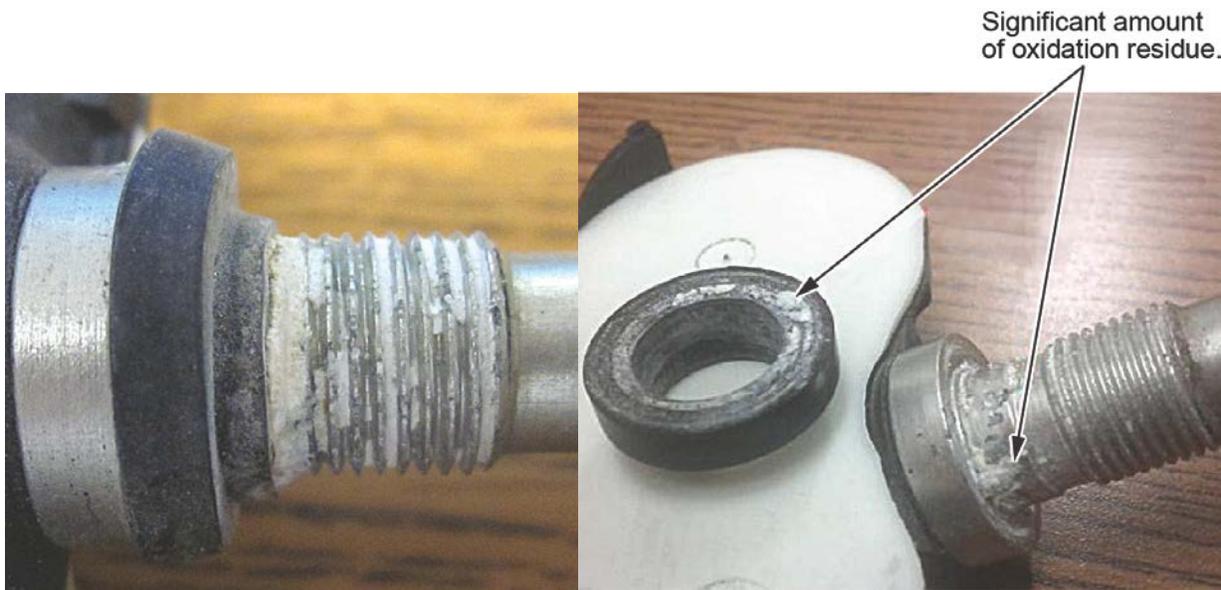


## Tire Pressure Sensor Oxidation Causes Slow Leak

### AFFECTED VEHICLES

2009–14 TL

Do you have a slow tire leak, but there are no signs of side wall damage or anything stuck in the tread? While you're checking for leaks, check the valve stem; it could have oxidation buildup from road salt. This buildup can cause a poor seal, resulting in a slow leak.



Apply soapy water to the valve stem. If you see any bubbles coming from it, follow the procedure below. If you don't see any, then look for other possible causes.

1. Remove the tire from the wheel and inspect the valve stem for oxidation. The oxidation looks like a white, powdery residue.
  - If you see any oxidation, go to step 2.
  - If you don't see any oxidation, the tire pressure sensor may have micro cracks or some other problem causing an air leakage. Replace the sensor.
2. Remove the valve stem nut and washer, then remove the sensor from the wheel.
3. Remove and discard the grommet, then remove any oxidation from the stem.
4. Reinstall the sensor with a new grommet (P/N 42756-SHJ-A52), then torque the valve stem nut to **3 lb-ft (4 N·m)**.

**NOTE:** Don't overtorque the valve stem nut. If you do, you'll crush the grommet, forming a gap or space. This will let road salt collect and form a leak path once again.