

TST Instruction Sheet: *Internal Sensor Installation*

Always consult with your Certified Safety Administrator prior to any installation procedures.
Read and understand all instructions and procedures before service to components begins.

Installing the Internal Sensor

1. Remove the wheel from the vehicle and deflate the tire.
2. Remove the tire from the wheel.

Prepare **Screw-mounted Sensors**:

3. If the sensor is not already attached to the band, attach the sensor to the sensor band with the two screws. Torque the screws to 10-12 in-lbs (1.1-1.4Nm). See Figure 1.
4. Put the sensor and sensor band in the **center position** (sometimes known as the "well") of the wheel hub. See Figure 2.

Prepare **Pass-through Sensors**:

5. Pass the end of the band through the sensor and slide sensor to within a few inches of the band clamp screw. See Figure 3.
6. Put the sensor and band clamp in the **center position** of the wheel hub and pass the band through the band clamp screw, then again through the pass-through sensor. See Figure 4.

IMPORTANT: Sensor should be installed 180 degrees from the tire valve stem. See Figure 5.

CAUTION: MAKE SURE THE SENSOR BAND IS CORRECTLY INSTALLED ON THE WHEEL HUB AND DOES NOT MOVE Laterally or Rotate. See Figure 5.

7. Tighten the band clamp on the wheel hub. Ensure sensor does not move laterally or rotate on wheel hub. See Figures 2, 4 and 5.

IMPORTANT: To avoid damage to the tire bead as the tire is mounted to the wheel:
1) On *Screw-mounted sensor*, trim excess band. Do not let the trimmed end of the band protrude away from the wheel. 2) On *Pass-through sensor* position the sensor to secure the tail. See Figures 2 and 4.

(continued)

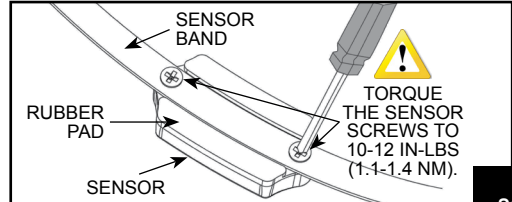


Figure 1: Screw-mounted internal sensor

SCREW-MOUNTED SENSOR

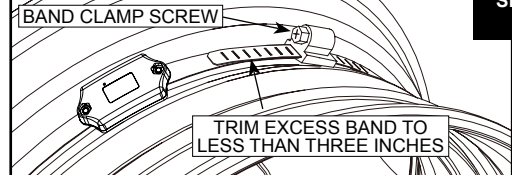


Figure 2: Screw-mounted Internal sensor final install

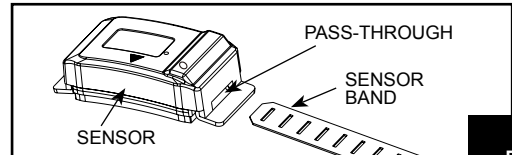


Figure 3: Feed band through sensor

PASS-THROUGH SENSOR

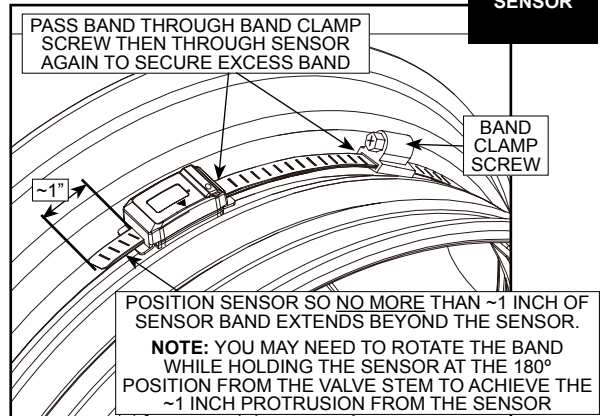


Figure 4: Pass-through internal sensor final install

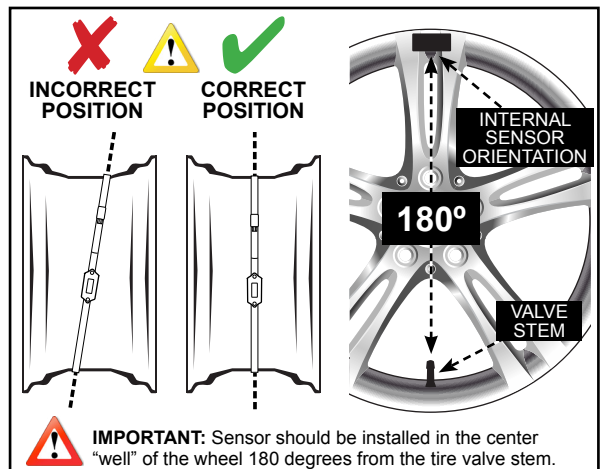


Figure 5: Internal sensor installed orientation

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8. Torque the band clamp screw to 30-45 in-lbs (3.4-5.1 Nm). See Figure 6.
9. Install the tire onto the wheel and inflate to the manufacturer's recommended pressure.
10. Check the tire balance per the tire balance machine instructions.
11. Install the wheel/tire assembly onto the vehicle per manufacturer's instructions.

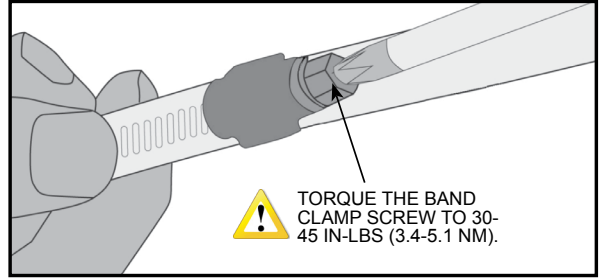


Figure 6: Band clamp screw torque

Recommended installation orientation for Internal Sensor TPMS-equipped Dual Wheel Vehicles

1. Please review the following instructions to ensure proper orientation of internal TPMS Sensors using the 180° valve stem orientation method (See Figure 7):

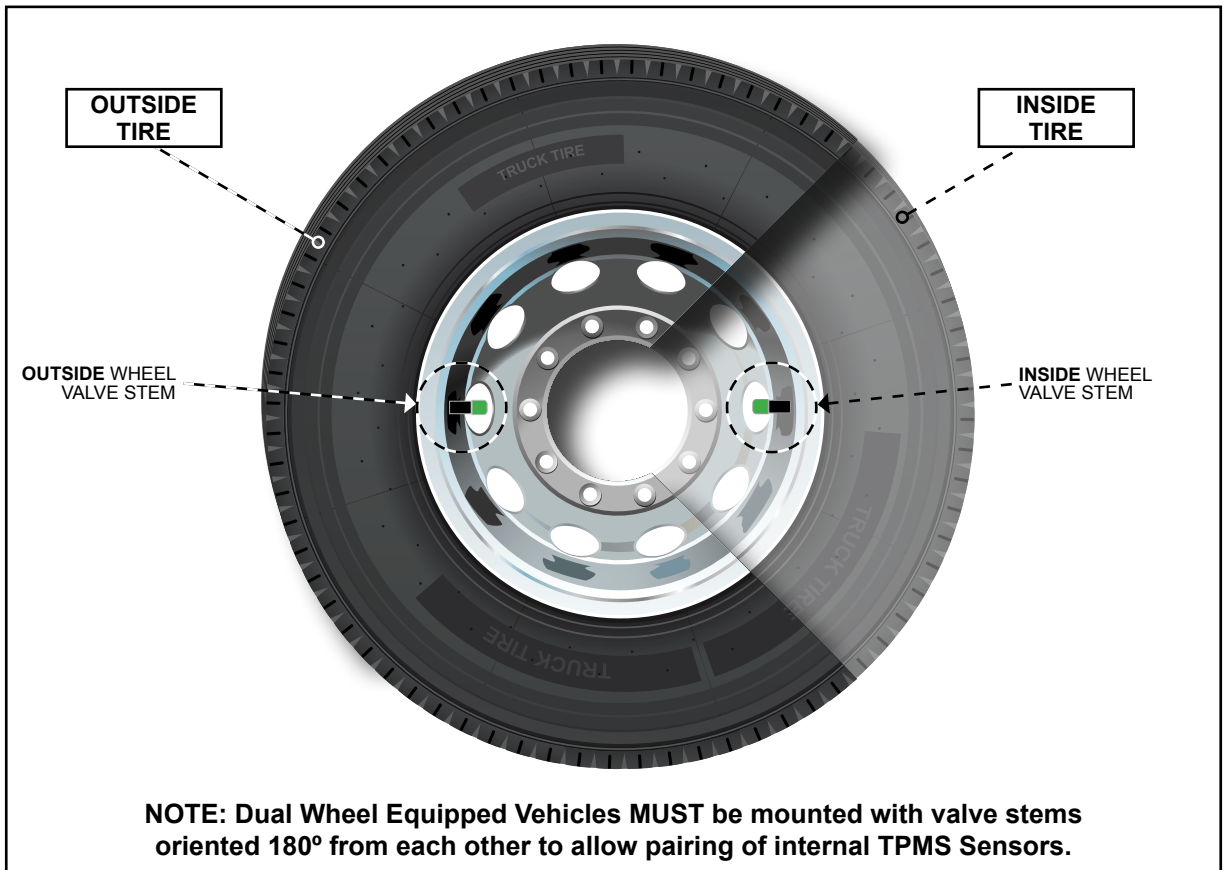


Figure 7: 180° valve stem orientation for dual wheel vehicles.