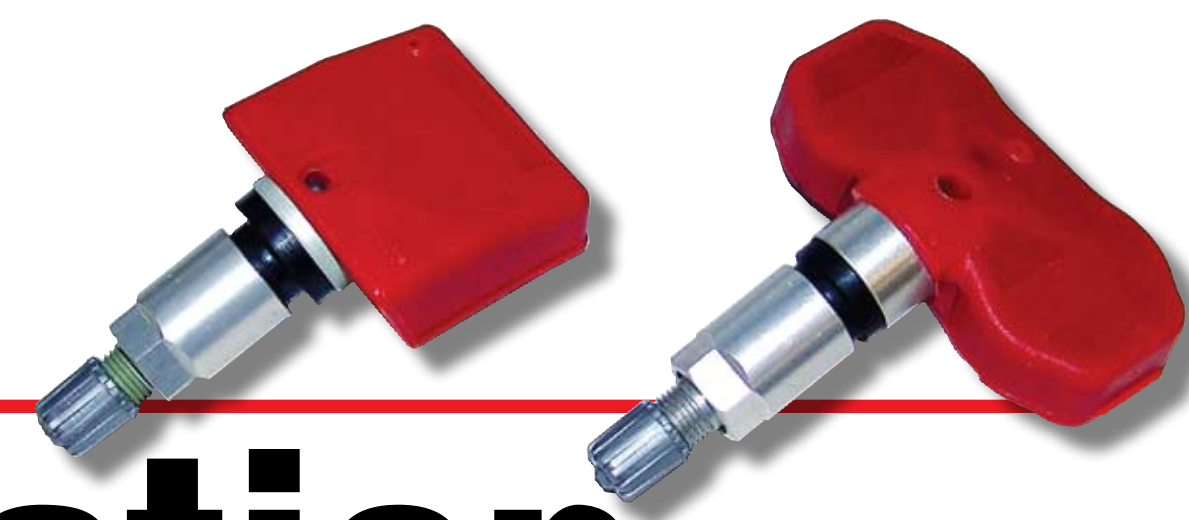




TPMS Sensor Removal & Installation



1 Remove the sealing cap. Remove the valve core using Schrader part #20141 Valve Core Torque Tool.



2 Remove hex nut using Hex Nut wrench and push sensor into tire allowing the sensor to drop into tire.



3 Gently bounce tire to ensure that the sensor falls to the bottom of the tire.

4 Place wheel on the tire changing machine and break both beads. Make sure that the sensor is at the bottom of the tire.

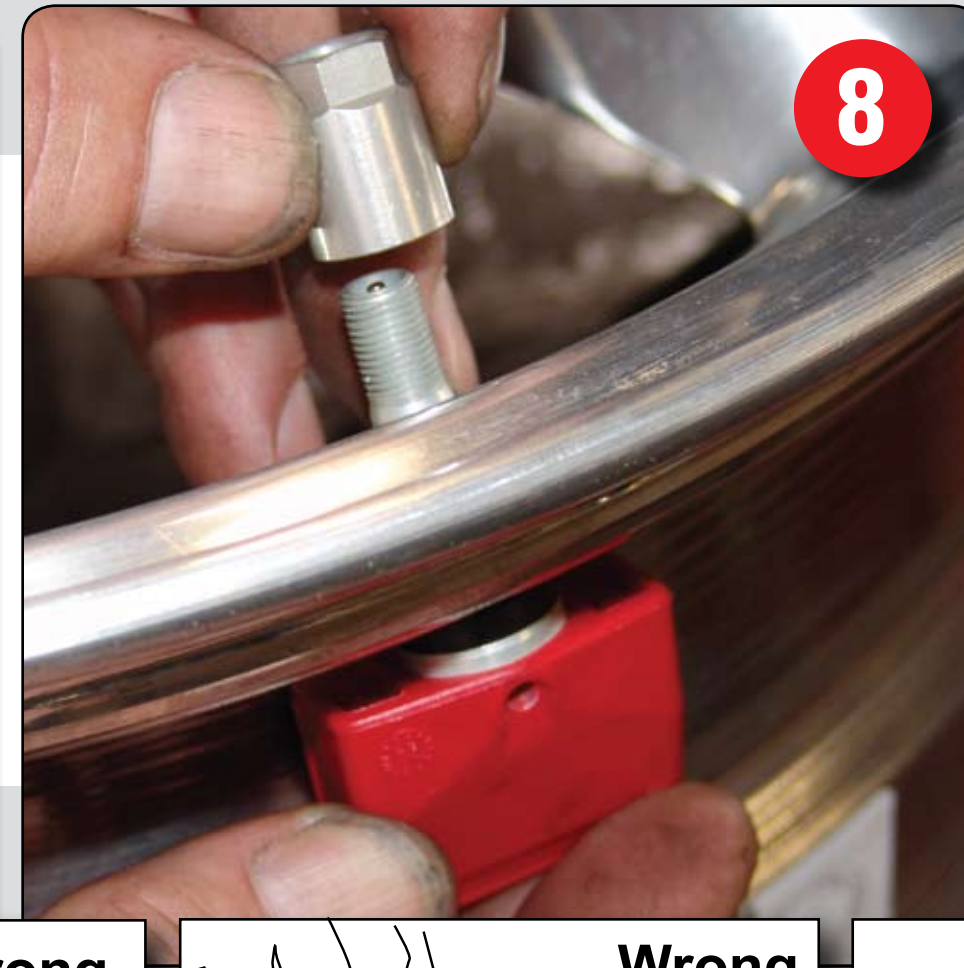


5 Place the wheel on the turntable and de-mount the tire from the wheel according to the tire changer manufacturer's instructions. The sensor can now be safely removed from the tire.



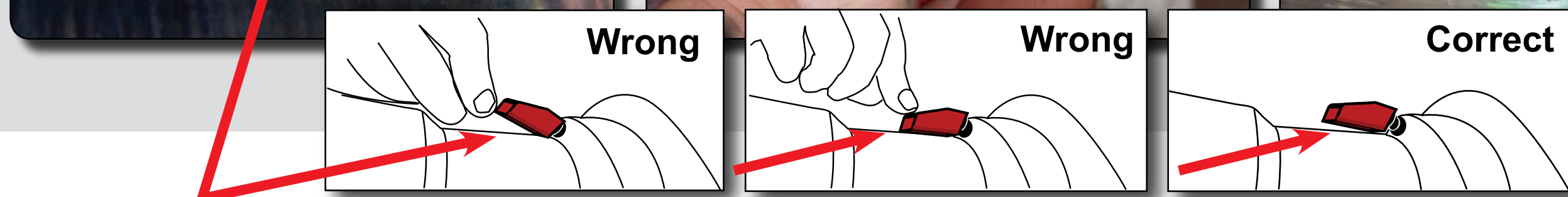
6 Carefully remove the grommet seal from the sensor using a non-metallic tool to prevent damage to the aluminum stem. Install a new grommet **by hand** to prevent tearing the grommet or damaging the stem.

7 Re-install valve through the rim hole with the label facing down. To prevent sensor damage, keep sensor alignment level. Do not push down or up on the sensor during torquing.



8 Hand thread a new hex nut onto the valve stem. Hand tighten until the nut touches the rim.

9 Use Schrader part #20142 Torque Wrench. Set to the proper torque. (Varies by vehicle. Refer to the *Schrader Tire Pressure Monitoring Systems Guide* for specification.)



10 Lubricate and mount outside bead of the tire to the rim. **CAUTION:** To avoid damage, position sensor 90° from the duckhead in the direction of table rotation. The tire should be mounted to the wheel using tire changer manufacturer's instructions.



11 Use Valve Core Torque Tool Schrader part #20141 to install a new electroless nickel-plated valve core into sensor. SEE CAUTION.

CAUTION: Do not re-use the removed valve core. Always replace with a new electroless nickel-plated valve core. Use of non-electroless nickel-plated cores with aluminum valve stems can result in galvanic corrosion and loss of tire pressure. Tighten core with an approved valve core tool to 0.17Nm - 0.37Nm (1.5 lbf-in - 3.3 lbf-in) - Do Not Over tighten!

12 Tire with TPMS is now ready for proper inflation.

