

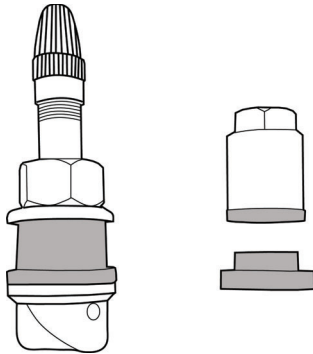
## The Interchangeable Valve Stem ( IVS ) Service Kit

The Tuson TPMS tire sensors uses a metal interchangeable valve stem (IVS) that fits through 0.453" and 0.625" diameter rim holes. (**Note:** If neither grommet size fits the wheel rim hole, a TPMS band and cradle kit can be purchased separately without replacing the existing valve stem.)

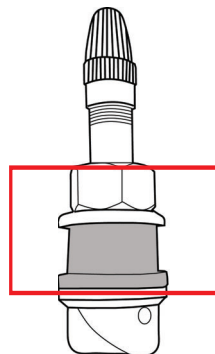
Please **circle** the grommet size that was used for your tire application for easy identification and replacement: 0.453" or 0.625".

### < IMPORTANT 2 >

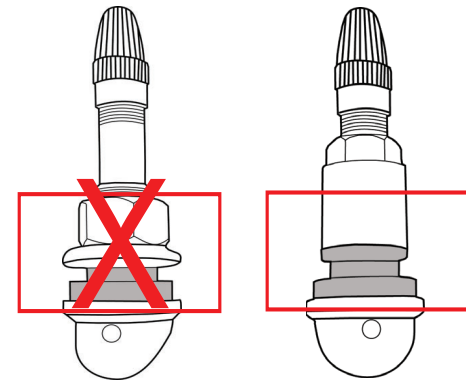
Each IVS service kit comes with two (2) rubber grommet sizes: one (1) fits 0.453" diameter wheel rim holes and one (1) fits 0.625" diameter wheel rim holes. The IVS should be installed using a single grommet only. Do NOT use both sizes of the included grommets to install the valve stem. Please check and make sure that the correct grommet size is used for the valve stem and fits the wheel's rim hole diameter prior to TPMS sensor installation.



The IVS service kit comes preassembled with the 0.625" diameter grommet on the valve stem and an individual 0.453" diameter grommet and nut in the polybag.

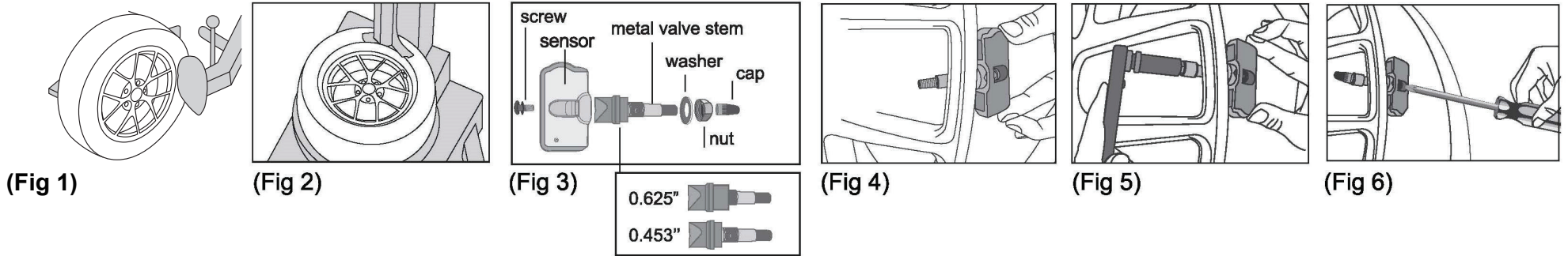


Please use the preassembled 0.625" diameter grommet on the valve stem if the wheel rim hole is 0.625" diameter.



When the rim hole of the wheel is 0.453" diameter, disassemble the valve stem and remove the 0.625" diameter grommet from the valve stem and assemble the 0.453" diameter grommet, nut and cap in order.

**TPMS Sensor Installation:**



grommet(0.625" or 0.453")

(Fig 1) & (Fig 2) Deflate and remove the tire from the wheel using a tire mounting machine.

(Fig 3) Assemble the sensor to the metal valve stem using the mounting screw (make sure to use the correct grommet size is on the metal valve stem), then remove the cap, 0.625" nut and washer (OR 0.453" nut) from the metal valve stem.

(Fig 4) Insert the metal valve stem through the wheel's rim hole, making sure to properly seat the rubber grommet in the rim hole. Then place the back of the sensor body to face the inner surface of the rim, so that the sensor is parallel to the rim.

(Fig 5) Holding the sensor in place, guide the washer (for 0.625" ONLY) onto the metal valve stem on the outside of the rim hole. Then secure the 0.625" OR 0.453" nut on the metal valve stem and tighten to 2.95 Ft-lbs (4 N-m) torque. Once secured, affix the cap to the metal valve stem.

(Fig 6) Secure the sensor to the metal valve stem by tightening the screw to 1.48 Ft-lbs (2N-m) torque.

Now remount the tire back onto the wheel, being careful not to damage the tire pressure sensor during mounting of the tire.