

# TECH TIPS

## TPMS Service Tip: 2009 Chrysler Town & Country sensor replacement

**OE Sensor :** Siemens VDO Clamp-in TPMS Sensor

**Replacement Sensor :** VDO REDI-Sensor Multi-application TPMS Sensor No. SE10001



The 2009 Chrysler Town & Country's tire pressure monitoring system provides visual and audible warnings on the instrument cluster (EVIC on Touring and Limited models) in the event of a low-pressure condition in any of the vehicle's road tires or malfunction in the system. The system indicates a malfunction, if a TPMS sensor is missing or damaged, or if the battery is dead. If your diagnosis has determined that the sensor is no longer functioning, you will need to replace the sensor.

Here is an easy step-by-step procedure to follow:

**Step 1:** Dismount the tire

- Secure vehicle and remove the wheel.
- Remove the valve stem core and completely deflate the tire.
- Dismount the tire according to the tire manufacturer's recommendations.

**Step 2:** Remove the sensor

- Fully unthread the valve stem hex nut using a 12mm socket.
- Remove the old TPMS sensor assembly from the wheel rim.

**Step 3:** Prepare the sensor

The VDO REDI-Sensor, Part No. SE10001, is already programmed for the 2009 Chrysler Town & Country. It comes as a complete sensor assembly and is ready to install on the wheel. No TPMS scan tools or programming is required during installation.

**Step 4:** Install the sensor

- Clean the wheel to remove any dirt, grease or debris.
- Insert the REDI-Sensor sensor assembly into the wheel valve hole.



VDO REDI-Sensor Multi-application TPMS Sensor

- Thread the hex nut onto the valve stem.



Hold sensor firmly in place while tightening hex nut.

Important note: The REDI-Sensor sensor's valve stem pivots for optimum fit and must be held firmly in place when you are tightening the hex nut. During the torquing process, support the black sensor housing by pressing down towards the rim drop center. This will maximize the clearance during tire mounting. Also, make sure

that the valve stem stays properly seated in the sensor housing during installation.

- Apply the final torque of 71 inch-pounds (8 N-m) to the hex nut.

**Step 5:** Re-mount the tire

- Mount the tire onto the wheel in accordance with the tire manufacturer's specifications.

- Properly seat the tire bead on both sides.

- Inflate the tire to the recommended cold inflation pressure as listed on the Tire Inflation Pressure Label (driver's side B-pillar door jam).

- Balance the tire according to the manufacturer's directions.
- Mount wheel to the vehicle and torque the lug nuts to specification.

**Step 6:** Relearn the sensor

The procedure is easy because the VDO REDI-Sensor sensor works the same way as the 2009 Town & Country's original equipment TPMS sensor and relearns while driving. This means you can road test the Town & Country and relearn the TPMS sensor to the vehicle at the same time.

Drive the Town & Country for approximately 5 to 10 minutes at an average speed of 15 mph (25 kph) or more to allow the sensor to learn to the vehicle receiver. The dash warning light will go out when the relearn is successfully completed.

For more information, visit [www.EDI-Sensor.com](http://www.EDI-Sensor.com) or contact [salesupport-us@vdo.com](mailto:salesupport-us@vdo.com).

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