



SERVICE BULLETIN

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2003 350Z & MURANO; LOW TIRE PRESSURE MONITOR SYSTEM

This bulletin amends the Applied Vehicles of NTB02-070.
Please discard all paper copies of the earlier bulletin.

APPLIED VEHICLES: 2003 350Z (Z33) - All vehicles equipped with 18" wheels
2003 Murano (Z50) – All with TPMS

SYSTEM INFORMATION

All 350Z with 18" wheels & some Murano vehicles are equipped with a Tire Pressure Monitor System (TPMS).

Vehicles equipped with this system can be easily identified by:

- The silver-colored metal valve stem installed in each wheel.
- The valve stems look slightly larger around (in diameter) than regular rubber valve stems.

The Tire Pressure Monitor System includes:

- Four valve stem/air pressure senders (transponders) and
- A low tire pressure warning control unit (Receiver).

The transponder-end of each sender is inside (air cavity side) each wheel (see Figure 1).

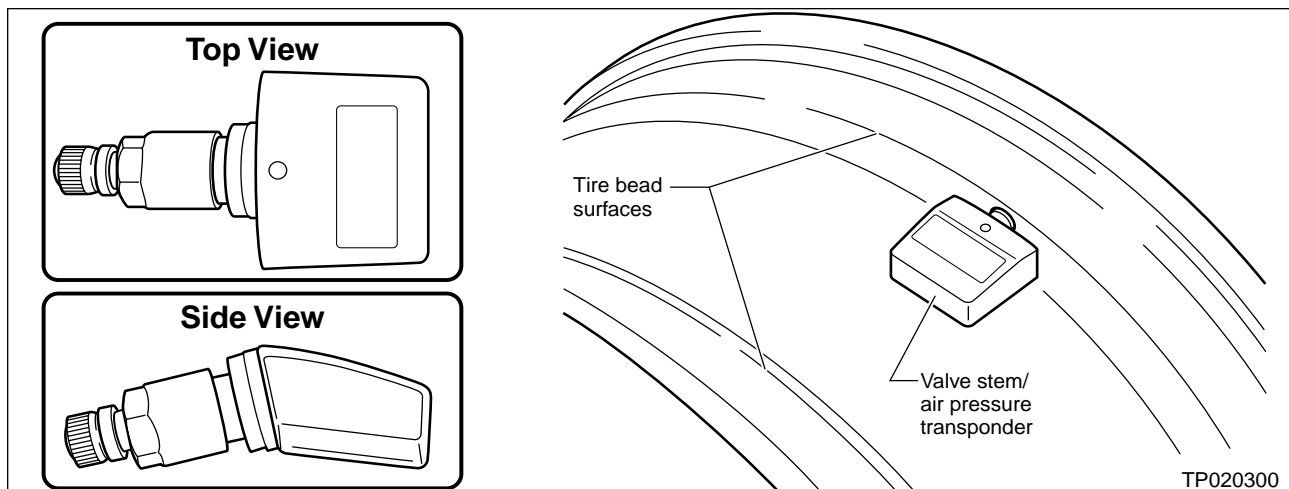


Figure 1

When necessary, please refer to the appropriate 2003 Electronic Service Manual (ESM) and/or Owner's Manual for more information about this system.

SERVICE INFORMATION

CAUTION: Read this first **before trying to remove a tire:**

Tire Removal:

- When removing a tire with a transponder installed, before breaking the tire bead from the rim, remove the nut from the valve stem.
- Then, push the valve stem/air pressure transponder into the inside of the tire.

• **Failure to do this will result in transponder damage.**

Please review the following **System Initialization information** before removing and/or installing wheel/tire assemblies on a vehicle equipped with the Tire Pressure Monitor System.

System Initialization:

- Each valve stem/air pressure transponder is already coded or "initialized" to its own corner of the car. As a result, these four transponders "belong" to exact locations on the vehicle.
- Any time a control unit or a single valve stem is replaced, all the valve stem/air pressure transponders must be re-initialized to the car.
- Initialization of valve stem/air pressure transponders must be done in the following **clockwise** order (see Figure 2 below for an illustration):
- If initialization is not done in this order, the system will not read the correct front and rear tire positions.

1. Left Front,
2. Right Front,
3. Right Rear,
4. Left Rear.

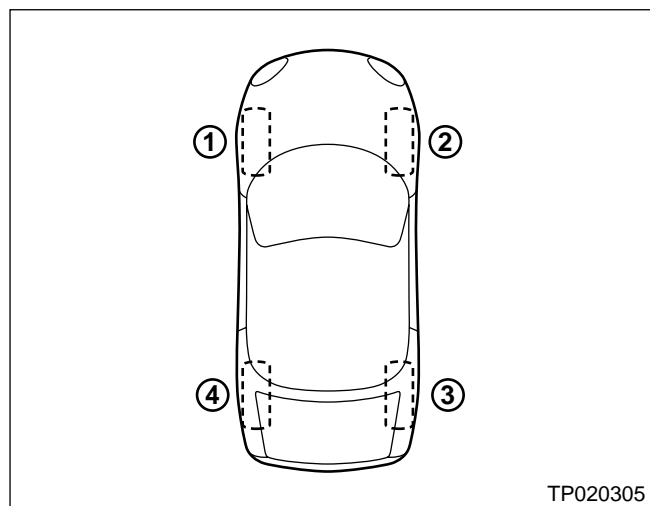


Figure 2

TP020305

- Transponders are initialized by using the Kent-Moore Tire Pressure Monitor System (TPMS) Initialization Tool, Kent-Moore #J-45295 (see Figure 3).
- When in use this tool is placed against the rubber tire sidewall (**NOT** against the wheel rim).
- Refer to the appropriate 2003 ESM, Section WT for further detail regarding the initialization procedure.



Figure 3

NOTES:

The low pressure warning light will come on if wheel/tire assemblies are installed that do not have valve stem/air pressure transponders installed or initialized.

This may happen when a set of winter tires/wheels is installed. When the Original Equipment tires/wheels are re-installed, they **DO NOT** have to be initialized.

Swapping of wheel/tire assemblies from different vehicles is **NOT** recommended. However, if swapping is done between like models, both cars must have the initialization procedure performed as instructed in the appropriate 2003 Electronic Service Manual (ESM) and/or Owner's Manual.

DO NOT adjust tire pressure using the Tire Pressure Monitor System readings. Use a tire gauge.

