Malibu 2008

TPMS Description	Reset After:	Torque Specification(s), Reset Procedure(s)
The TPM system uses a wireless network to monitor tire pressures. Each wheel/tire assembly is equipped with a radio frequency (RF) transmitting pressure sensor. These sensors deliver tire pressure readings to the remote control door lock receiver (RCDLR). Each RF transmitting pressure sensor contains an internal accelerometer. When the vehicle is stationary the internal accelerometer is inactive and the sensors are placed into stationary mode. In this mode, the sensors sample tire pressure once every 30 seconds and transmit only if there is change in the tire pressure. As vehicle speed increases above 32 km/h (20 mph), centrifugal force activates each sensor's internal accelerometer placing the sensors into drive mode. In drive mode, the sensors sample tire pressure once every 30 seconds and transmit once every 60 seconds. The remote control door lock receiver (RCDLR) translates the information within this radio frequency transmission into sensor presence, sensor mode, and tire pressure. The sensors compare their current pressure sample with their last transmitted pressure and will transmit in re-measure mode whenever a 8.3 kPa (1.2 psi) change in tire pressure has occurred. When the TPM system detects a significant change in tire pressure, the *CHECK TIRE PRESSURE* warning message is displayed on the DIC and the LOW TIRE PRESSURE warning indicator is displayed on the instrument panel cluster (IPC). Adjusting the tire(s) to the recommended pressure(s) can clear both the DIC message and the IPC indicator. The sensor’s pressure range is 0 to 800 kPa (0 to 116 psi). The sensors pressure accuracy from -10 to +70° C is +/- 13.7 kPa (2 psi). The RCDLR also detects malfunctions within the TPM system. Any malfunctions detected will cause the DIC to display the *SERVICE TIRE MONITOR* warning message.	• RCDLR Replacement • Tire Rotation • Tire Replacement • Sensor Replacement	**Valve Core Torque:** 3 to 5 in.-lbs. (0.33 to 0.56 N•m) **Valve Stem Nut Torque:** 62 in.-lbs. (7 N•m) ***Sensor Learn Procedure*** ***NOTE:*** *Make sure no other TPMS tire pressure adjustments or TPMS resets are being done nearby.* **1** If using a standard ignition switch, place the switch in the RUN position. If using an electronic keyless ignition switch, place the switch in the ACCY position. **2** To initiate the sensor learn mode, either use a scan tool or simultaneously press the lock and unlock buttons on the keyless entry transmitter. A double horn chirp will sound indicating that the sensor learn mode has been enabled. The left front turn signal will also illuminate. ***NOTE:*** *The learn mode automatically disables after 5 minutes (or after 2 minutes of inactivity). If disabled before learning any sensors, all previous sensor IDs and locations remain stored in the antenna module.* **3** Starting at the left front tire, do one of the following: • Hold the antenna of the OTC TPM tool against the tire sidewall close to the wheel rim at the valve stem location and then press and release the Reset Procedure Start button and wait for a horn chirp, or • Increase/ decrease the tire pressure for 8 to 10 seconds and then wait for a horn chirp. ***NOTE:*** *If the horn does not sound after 35 seconds, turn the ignition OFF and restart the Sensor Learn Procedure.* **4** Repeat step 3 for the remaining sensors in the order: right front, right rear, left rear. After the last sensor, the horn sounds two times. **5** Turn the ignition OFF to exit the learn mode. **6** Adjust the tires to recommended pressures.