



# Technical Service Information

## 2004 & LATER CADILLAC TPMS WARNING LAMP ILLUMINATED

**COMPLAINT:** Transmission repairs have been completed on a 2004 Cadillac Deville, after delivery of the car to the customer, the car comes back to shop with a complaint of a warning lamp that is on which was not on prior to repairs. It is the Tire Pressure Monitoring System Warning Lamp, (Refer to Figure 1).

A scan of all areas of the PCM reveals no codes stored. However, when the Body Control Module (BCM) is scanned, codes C0750 and C0755 are found indicating there is a problem with the left and right front tire pressure monitors.

**CAUSE:** During the re-assembly of the vehicle, the left and right front wheels were switched to opposite sides. This action caused the Tire Pressure Monitoring System Sensors in each of those wheels (Refer to Figure 2) to alert the TPMS, turn on the warning lamp and store the above mentioned codes. This occurs because this is a Direct TPMS system, in other words it is a stand alone system whose only purpose is to monitor tire pressures.

Indirect systems use the vehicles ABS system by measuring wheel speed and should not be affected by switching wheel locations.

**CORRECTION:** Anytime wheels are rotated, tires changed, balanced or tire pressures are incorrect, the system must be reprogrammed. To reprogram, either a capable scan tool is required or the keyless entry key fob along with a magnet, which is Kent-Moore Tool J-41760 as shown in Figure 3, is needed to accomplish a manual reprogramming.

The reprogramming procedure without the scan tool is as follows:

- (1) Turn the ignition ON.
- (2) Using the Key Fob, lock and unlock the vehicles doors.
- (3) Press the lock and unlock buttons at the same time, a single horn chirp will sound in approximately 10 seconds, indicating that the TPM system is in the relearn mode.
- (4) Start with the left front (driver side) tire, hold the magnet over the valve stem until the horn chirps once.
- (5) Then proceed to repeat Step 4 in the following order: Right Front Tire; Right Rear Tire; Left Rear Tire. Each time the magnet is held over the valve stem the horn will chirp once to indicate that the sensor was recognized.
- (6) At this time the horn should chirp twice to indicate that the reprogramming was successful.
- (7) Tire pressures can be checked using the vehicles Driver Information Center (DIC) or a capable scan tool.

**NOTES:**

- (1) The entire reprogramming procedure must be completed within 5 minutes, if not, start over.
- (2) Individual TPM sensor reprogramming must be accomplished within 1 minute, if not, start over.
- (3) If the horn chirps twice before reprogramming is complete, this indicates the TPM receiver has exited the programming mode, start over.
- (4) DO NOT replace the tire stem cap with anything other than the O.E. cap. Any other cap can block the transmitters signal because the tire stem is the transmitters antenna.

### SERVICE INFORMATION:

*Kent-Moore Reprogramming Tool (Magnet).....J-41760*

## TIRE PRESSURE MONITORING SYSTEM WARNING LAMP



DRIVER INFORMATION CENTER

Figure 1

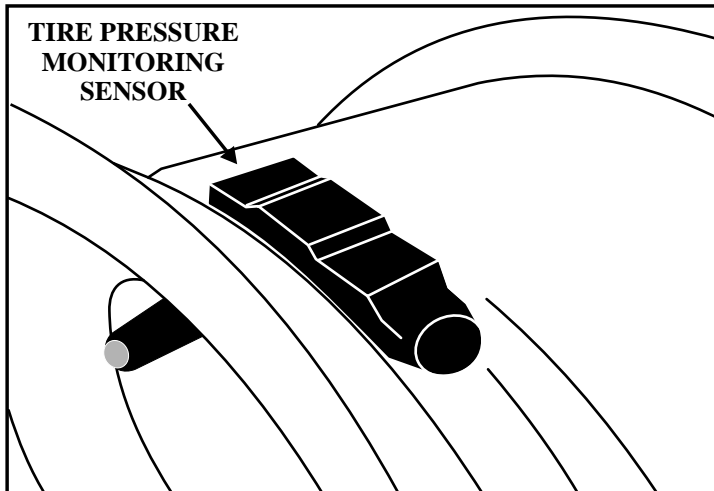


Figure 2

## KENT-MOORE REPROGRAMMING TOOL J-41760

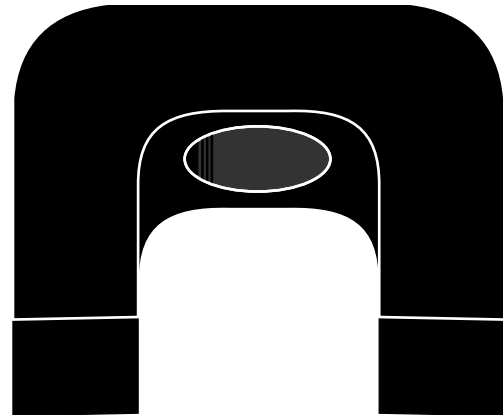


Figure 3