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Service Category: Suspension	Section: Tire Pressure Monitoring	
Model Year: 2008	Model: ES350	Doc ID: RM000000XMK01KX
Title: TIRE AND WHEEL: TIRE PRESSURE WARNING SYSTEM: PRECAUTION (2008 ES350)		

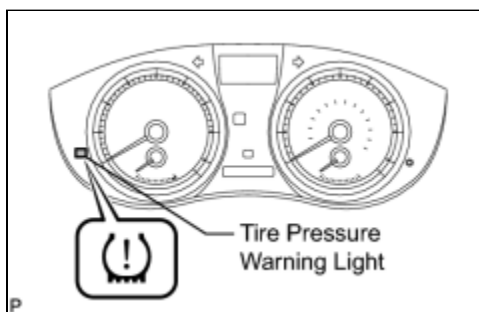
PRECAUTION

NOTICE:

Some systems need to be initialized after reconnecting the negative (-) battery terminal  .

1. TIRE PRESSURE WARNING SYSTEM PRECAUTION

- (a) When the tire pressure warning light comes on, immediately check the tire pressure of the tire and adjust it to the specified value. (The tire pressure warning light will come on after blinking for 1 minute if there is an open in the tire pressure warning light circuit.)




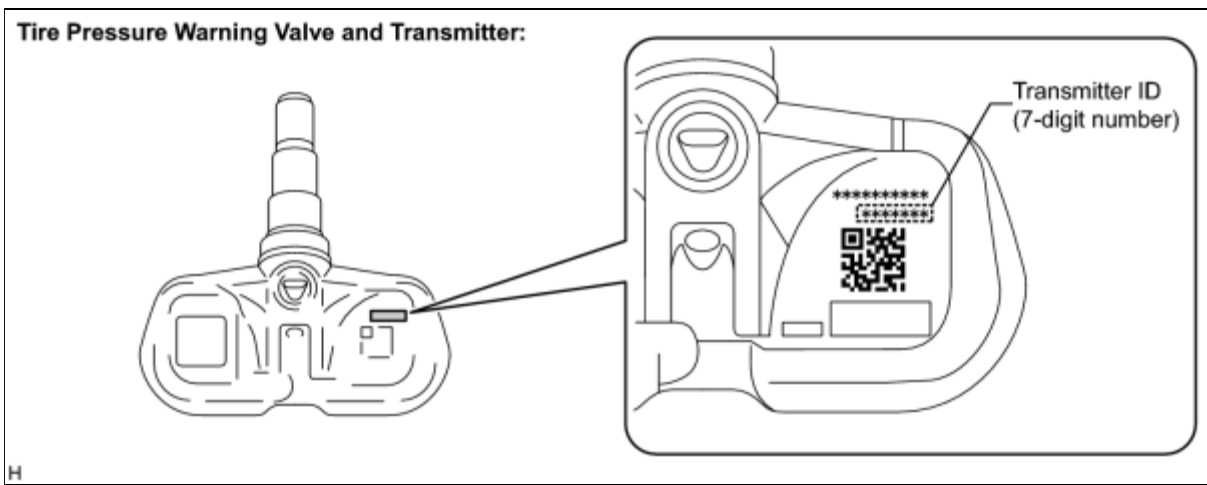
NOTICE:

Make sure to adjust the tire pressure for the ground spare tire because this system monitors tire pressure for all the wheels including the ground spare tire.

Cold tire inflation pressure:

TIRE SIZE	FRONT KPA (KGF/CM ² , PSI)	REAR KPA (KGF/CM ² , PSI)
P215/55R17 93V	210 (2.1, 30)	210 (2.1, 30)

- (b) When the tire pressure warning light comes on after blinking for 1 minute, there is a malfunction in the system. Check for DTCs.
- (c) Changing the tire pressure warning select switch between "MAIN" and "2nd" allows registration of 2 sets of transmitter IDs. Check the tire pressure warning select switch to see whether the wheel is registered in "MAIN" and "2nd". If the vehicle is driven without selecting the correct switch position, the tire pressure warning ECU determines that the system is malfunctioning and causes the tire pressure warning light to come on after blinking for 1 minute.
- (d) It is necessary to register the transmitter ID in the tire pressure warning ECU after replacing a tire pressure warning valve and transmitter and/or the tire pressure warning ECU  .
- (e) When replacing a tire pressure warning ECU:
- (1) Using the Data List, read the transmitter IDs registered in the ECU and make a note of them before removing the tire pressure warning ECU.
 - (2) Register the transmitter IDs after installing a new tire pressure warning ECU.
- (f) When replacing the tire pressure warning valve and transmitter:
- (1) Take a note of the 7-digit number (transmitter ID) written on the new tire pressure warning valve and transmitter when replacing the old one. Register the transmitter ID in the tire pressure warning ECU after replacing the tire pressure warning valve and transmitter and installing the tires and wheels on the vehicle.

**NOTICE:**

The transmitter ID is written on the tire pressure warning valve and transmitter. It will be unable to be read after installing the tire pressure warning valve and transmitter on the tire and wheel. Therefore, take a note of the transmitter ID before installing the tire pressure warning valve and transmitter.

(g) When replacing the tire pressure warning ECU and the tire pressure warning valve and transmitters:

(1) It is necessary to perform the initialization **INFO** after the registration **INFO** .

(h) Precautions about the tire pressure:

- The tire pressures decrease naturally.
- In winter, tire pressure may decrease due to low ambient temperatures (tire pressure decreases by approximately 10 kPa (0.1 kgf/cm², 1.45 psi) for every 10°C (50°F) drop in the ambient temperature). Therefore, the tire pressure warning system is more likely to operate if the tire pressures are not adjusted appropriately. If the daily temperature variation is large, pressurize the tires high so that the tire pressures are suitable under cold conditions. As a result, incorrect tire pressure warning operation should decrease.

2. IN CASE OF TIRE AND WHEEL REPLACEMENT

(a) When tires and wheels are replaced, always ensure that each transmitter ID is correctly registered.

(b) Before removing the tires from the disc wheels or installing the tires to the disc wheels, be sure to follow the correct procedures for removal and installation of the tire pressure warning valve and transmitter. Failure to do so may cause the tire pressure warning valve and transmitters to break **INFO** .

3. INITIALIZATION PRECAUTION

(a) Initialize the tire pressure warning system after any of the following is performed:

- Replacing the tire pressure warning ECU or a tire pressure warning valve and transmitter
- Installing wheel(s) which require different tire pressure

HINT:


The tire pressure warning system will not operate properly if it is not initialized **INFO** .

4. FAIL-SAFE FUNCTION

(a) When a system malfunction occurs in the tire pressure warning system, the tire pressure warning light comes on after blinking for 1 minute and informs the driver of the system failure.

(b) The result of this diagnosis is stored in the tire pressure warning ECU.

5. CHECK TIRE PRESSURE AFTER REPAIRS

(a) After repairs, confirm that the actual tire pressures are displayed on the Data List  .

