■SYSTEM OPERATION

1. General

The operation of the tire pressure warning system includes a warning function, an initial check operation, an initialization mode operation, and a diagnosis function.

2. Warning Operation

The tire pressure warning ECU has two warning methods that are used, depending on the condition detected.

Tire Pressure Warning Light	Detection Condition
Turns ON	The tire pressure warning ECU has detected that a tire pressure becomes lower than the threshold. The threshold varies according to the initialization value.
Turns ON after blinking for 1 minute	The tire pressure warning ECU has detected a malfunction in the system.

- If the tire pressure warning light turns ON, adjust the tire pressure.
- If the tire pressure warning light turns ON after blinking for 1 minute, it can be turned OFF by repairing the malfunction in the system.
- The tire pressure warning light may blink for 1 minute and turn ON due to electric wave interference at the same frequency.

3. Initial Check Operation

After the ignition switch is tuned ON, the tire pressure warning ECU lights up the tire pressure warning light for three seconds to check the warning light circuits.

4. Initialization Mode Operation

The warning threshold is calculated from the tire pressure and memorized in the tire pressure warning ECU. Therefore, the tire pressure warning ECU should be initialized after:

- Specified value change of the tire pressure according to the instruction of the weight or speed condition or different size of tire.
- Tire rotation when the preset tire pressure differs between the front and rear.
- Replacement of a tire pressure warning ECU or the tire pressure warning valve and transmitter.

Service Tip

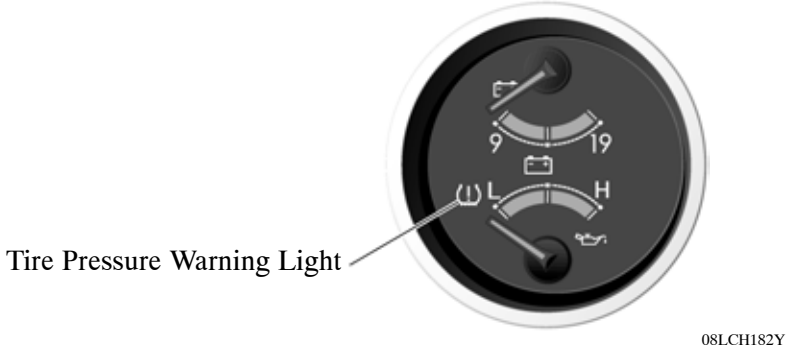
Perform the initialization after setting the pressure of all tires to the specified value.
For details of the initialization, see the 2008 Sequoia Repair Manual (Pub. No. RM08L0U).

5. Diagnosis

If the tire pressure warning ECU detects a malfunction in the system, the tire pressure warning ECU will make the tire pressure warning light blink at 1 Hz for 1 minute and then remain ON to warn the driver. It will also store the DTCs (Diagnostic Trouble Codes) in memory.

- 5-digit DTCs (Diagnostic Trouble Codes) can be read by connecting the Techstream to the DLC3.
- 2-digit DTCs can be read by connecting the SST (09843-18040) to the TC and CG terminals of the DLC3, and monitoring the blinking of the tire pressure warning light.
- The test mode can be selected using the Techstream that is connected to DLC3.

For details, see the 2008 Sequoia Repair Manual (Pub. No. RM08L0U).



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