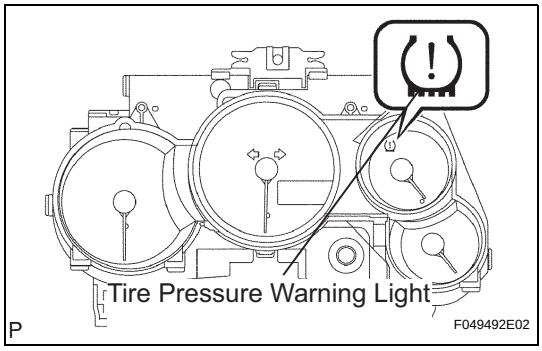
SYSTEM DESCRIPTION

1. TIRE PRESSURE WARNING SYSTEM DESCRIPTION

(a) The tire pressure warning system informs the driver if it detects a low tire pressure. When the tire pressure warning system detects low tire pressure in any of the 4 wheels, which affects safe driving and the tire pressure warning light comes on.

	Tire Size	Specified Value (Front)	Specified Value (Rear)
FF	P205/55 R16 89H P215/50 ZR17 P215/50 R17 90H	220 kPa (2.2 kgf*cm^2, 32 psi)	220 kPa (2.2 kgf*cm^2, 32 psi)

(b) Tire pressure warning system is controlled by the skid control ECU.
HINT:
When the tire pressure warning reset switch is pushed, the tire pressure warning light goes off.



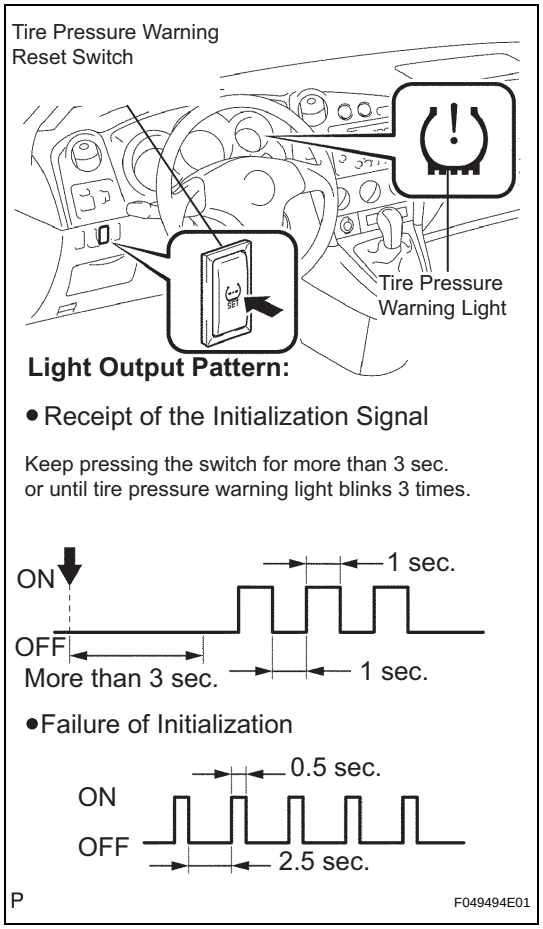
2. TIRE PRESSURE WARNING DISPLAY FUNCTION

(a) The tire pressure warning light comes on, according to the condition of the tire pressure warning system, as shown in the DIAGNOSIS SYSTEM (See page TW-15).

INITIALIZATION

NOTICE:

- **This system requires initialization after changing tires or wheels, or after rotating the tires.**
- **Be sure to adjust the tire pressure to the specified value before initialization.**



1. INITIALIZING THE TIRE PRESSURE WARNING SYSTEM

(a) [A] Check and adjust the tire pressure to the specified value.

Tire Size	Specified Value (Front)	Specified Value (Rear)
P205/55 R16 89H P215/50 ZR17 P215/50 R17 90H	220 kPa (2.2 kgf*cm^2, 32 psi)	220 kPa (2.2 kgf*cm^2, 32 psi)

(b) [B] With the vehicle stopped, turn the ignition switch to the ON position.

(c) Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks 3 times at 1 second intervals.
HINT:
If the tire pressure warning light does not blink, perform the initialization again. (With the ignition switch off, perform the procedure above starting from step [B].)

(d) Drive the vehicle at 19 mph (30 km/h) or more, to complete initialization of the skid control ECU. (It takes more than one hour.)
HINT:
If the tire pressure warning light repeats a cycle of ON (0.5 sec.) and OFF (2.5 sec.) while the vehicle is being driven, initialization may have failed. If so, perform the initialization again. (Turn the ignition switch off and retry from step [A].)

(e) After initialization is completed, the skid control ECU monitors the tire pressure by using the wheel speed sensors.

(f) To verify that the system has been initialized, check the length of time the tire pressure warning light is on after turning the ignition switch to the ON position.
- Not initialized: 4 sec.
- Initialized: 3 sec.

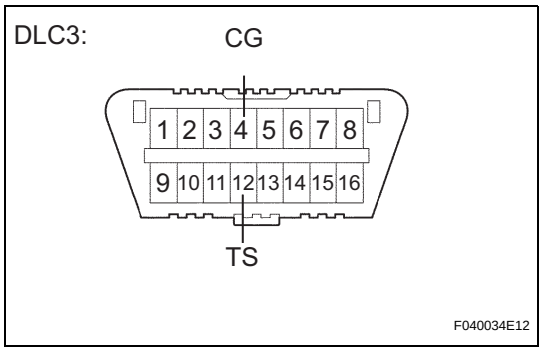
TEST MODE PROCEDURE

1. TEST MODE (USING SST CHECK WIRE)

(a) Make sure that the ignition switch is off.

(b) Using SST, connect terminals TS and CG of the DLC3.
SST 09843-18040

(c) Turn the ignition switch to the ON position.

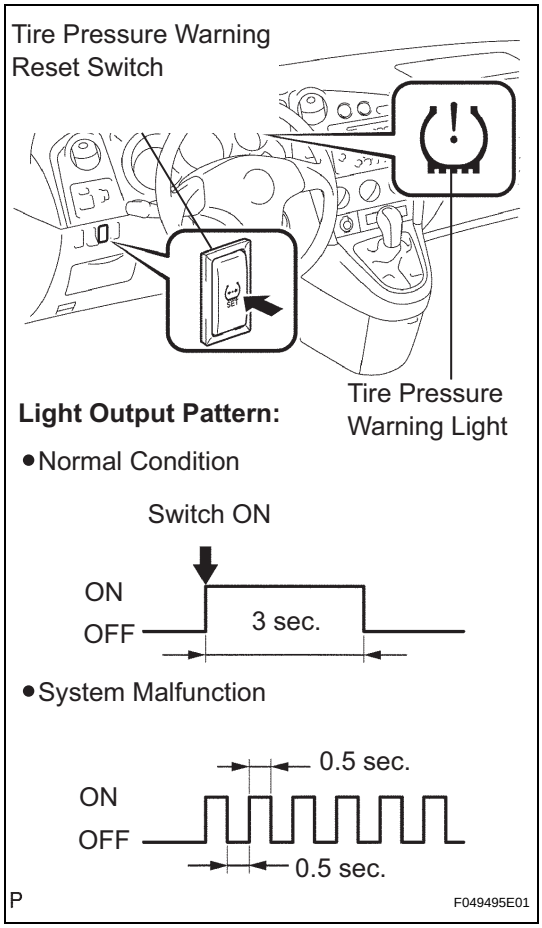


(d) Press the tire pressure warning reset switch.

(e) Check that the tire pressure warning light comes on.
HINT:
- Unless (d) is performed, the tire pressure warning light remains off while in test mode.
- When there is a problem with the tire pressure warning system, the tire pressure warning light blinks at 0.5 second intervals.

If the light output result is not normal, proceed to the problem symptoms table or TS terminal circuit.

Item	See procedure
Problem symptoms table	TW-12
TS and CG terminal circuit (w/ VSC)	BC-191
TS and CG terminal circuit (w/o VSC)	BC-69

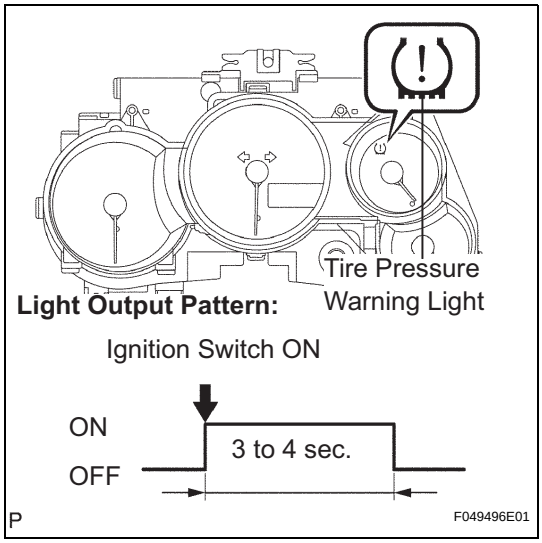


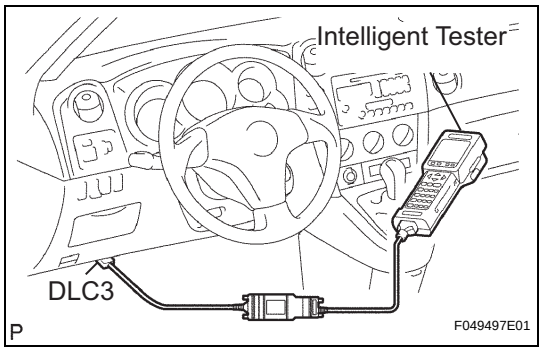
(f) Turn the ignition switch off.

(g) Remove the SST from the DLC3.
SST 09843-18040

(h) Turn the ignition switch to the ON position.

(i) Check that the tire pressure warning light goes off.



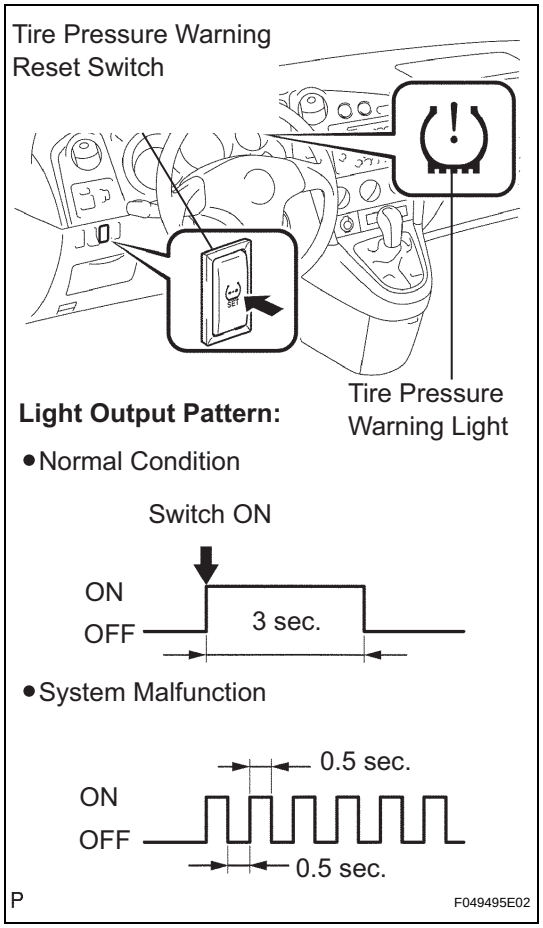


2. TEST MODE (USING THE INTELLIGENT TESTER)

(a) Connect the intelligent tester to the DLC3.

(b) Turn the ignition switch to the ON position.

(c) Select "SIGNAL CHECK", and proceed to check with the intelligent tester.

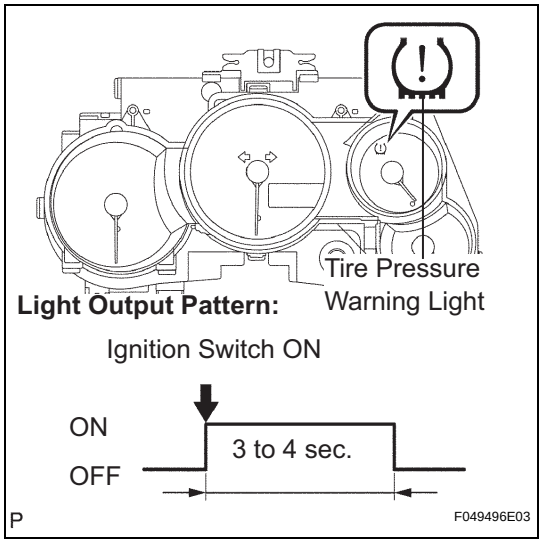


(d) Press the tire pressure warning reset switch.

(e) Check that the tire pressure warning light comes on.
HINT:
- Unless (d) is performed, the tire pressure warning light remains off while in test mode.
- When there is a problem with the tire pressure warning system, the tire pressure warning light blinks at 0.5 second intervals.

If the light output result is not normal, proceed to the problem symptoms table (See page TW-12).

(f) Turn the ignition switch off.



(g) Turn the ignition switch to the ON position.

(h) Check that the tire pressure warning light goes off.