PROBLEM SYMPTOMS TABLE

HINT:

- Use the table below to help determine the cause of the problem symptom. The potential causes of the symptoms are listed in order of probability in the "Suspected area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.
- Inspect the fuses and relays related to this system before inspecting the suspected areas below.

Symptom	Suspected area	See page
Tire pressure warning system does not operate	1. ECU power source circuit	TW-49
	2. TC and CG terminal circuit	TW-51
	3. Tire pressure warning valve and transmitter	TW-60
	4. Combination meter	ME-52
	5. Tire pressure warning antenna and receiver	TW-53
	6. Tire pressure warning ECU	TW-64
DTC check cannot be completed	1. ECU Power source circuit	TW-49
	2. TC and CG terminal circuit	TW-51
	3. Tire pressure warning ECU	TW-64
Tire pressure warning light malfunctions (Does not turn on)	1. ECU Power source circuit	TW-49
	2. Tire pressure warning light circuit	TW-47
	3. Combination meter	ME-52
	4. Tire pressure warning ECU	TW-64
Tire pressure warning light malfunctions (Remains on)	1. Tire pressure check	TW-2
	2. Tire pressure warning ECU connector poorly connected	-
	3. Tire pressure warning light circuit	TW-47
	4. Combination meter	ME-52
	5. Tire pressure warning ECU	TW-64
Tire pressure warning light malfunctions (Blinking)	1. Check DTC	TW-20
	2. TC and CG terminal circuit	TW-51
	3. Test mode (SIGNAL CHECK)	TW-12
	4. Tire pressure warning ECU	TW-64

Tire pressure warning system

TERMINALS OF ECU

1. CHECK TIRE PRESSURE WARNING ECU



- (a) Disconnect the E56 ECU connector.
- (b) Measure the voltage and resistance of the wire harness side connector.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
IG (E56-2) - GND (E56-	L - W-B	IG power source	Ignition switch ON	10 to 14 V
11)			Ignition switch OFF	Below 1 V
GND (E56-11) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω

If the result is not as specified, there may be a malfunction on the wire harness side.

- (c) Reconnect the E56 ECU connector.
- (d) Measure the voltage of the connector.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
SPD (E56-3) - GND (E56- 11)	V - W-B	Vehicle speed signal	Vehicle is running	Pulse generation
SIL (E56-4) - GND (E56- 11)	W - W-B	Diagnosis tester communication line	Ignition switch ON, when communication is not performed with a tester	8 to 15 V
IND (E56-6) - GND (E56- 11)	P - W-B	Tire pressure warning light output signal	Ignition switch ON, tire pressure warning light ON	Below 1 V
RDA (E56-7) - GND (E56- 11)	G - W-B	Tire pressure monitor receiver signal	Ignition switch ON, tire pressure monitor receiver is not connected	9 to 16 V
RFSV (E56-8) - GND (E56-11)	R - W-B	Tire pressure monitor receiver power source	Ignition switch ON	4.5 to 5.5 V
TC (E56-12) - GND (E56- 11)	G - W-B	TC terminal	When terminal TC is not connected	8 to 15 V
GND2 (E56-16) - Body ground	Y - Body ground	Tire pressure monitor receiver ground	Always	Below 1 V

If the result is not as specified, the ECU may have a malfunction.