

Basic Diagnostic Procedure

TIRE PRESSURE MONITORING SYSTEM (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

CAUTION:

When removing or installing, remove all foreign matter (dust, water, and oil) from the tire inflation pressure monitoring control module connectors.

NOTE:

To check harness for open or short circuits, shake the suspected trouble spot or connector.

Step	Check	Yes	No
1 CHECK PRE-INSPECTION. 1) Ask the user from when the warning light is lit or blinking. 2) Before performing diagnostics, check the component which might affect the problems of tire inflation pressure monitoring system. <Ref. to TPM(diag)-4, INSPECTION, General Description.>	Is the component that might influence the tire inflation pressure monitoring system problem normal?	Go to step 2.	Repair or replace each component.
2 CHECK DIAGNOSTIC TROUBLE CODE (DTC). 1) Turn the ignition switch to OFF. 2) Connect the Subaru Select Monitor to data link connector. 3) Turn the ignition switch to ON and run the Subaru Select Monitor. NOTE: If the communication function of the Subaru Select Monitor cannot be executed properly, check the communication circuit. <Ref. to TPM(diag)-9, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, INSPECTION, Subaru Select Monitor.> 4) Read the DTC. <Ref. to TPM(diag)-11, OPERATION, Read Diagnostic Trouble Code (DTC).>	Is DTC displayed?	Go to step 4.	Go to step 3.
3 PERFORM GENERAL DIAGNOSTICS. 1) Perform the inspection by referring to "General Diagnostic Table". <Ref. to TPM(diag)-34, General Diagnostic Table.> 2) Perform the Clear Memory Mode. <Ref. to TPM(diag)-12, OPERATION, Clear Memory Mode.> 3) Perform the Inspection Mode. <Ref. to TPM(diag)-16, Inspection Mode.> 4) Read the DTC. <Ref. to TPM(diag)-11, OPERATION, Read Diagnostic Trouble Code (DTC).> Check the DTC is not displayed.	Does the inflation pressure warning light turn on upon IG ON and go off after approx. 2 seconds?	Finish the diagnosis.	Check the tire inflation pressure warning light. <Ref. to TPM(diag)-17, Tire Pressure Warning Light / Trouble Indicator Light Illumination Pattern.>

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	Step	Check	Yes	No
4	<p>PERFORM DIAGNOSIS.</p> <p>1) Refer to "List of Diagnostic Trouble Code (DTC)".</p> <p>2) Correct the cause of trouble.</p> <p>3) Perform the Clear Memory Mode. <Ref. to TPM(diag)-12, OPERATION, Clear Memory Mode.></p> <p>4) Perform a driving test.</p> <p>Drive the vehicle at a speed of 40 km/h (25 MPH) or more for at least 10 minutes.</p> <p>5) Read the DTC. <Ref. to TPM(diag)-11, OPERATION, Read Diagnostic Trouble Code (DTC).></p>	Is DTC displayed?	Repeat the steps 1 to 4 until DTC is not shown.	Finish the diagnosis.