

# 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
<b>1</b> <b>CHECK PRE-INSPECTION.</b> 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.
<b>2</b> <b>CHECK DIAGNOSTIC TROUBLE CODE (DTC).</b> 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.
<b>3</b> <b>PERFORM GENERAL DIAGNOSTICS.</b> 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	<b>PERFORM DIAGNOSIS.</b> 1) Refer to "List of Diagnostic Trouble Code (DTC)". 2) Correct the cause of trouble. 3) Perform the Clear Memory Mode. <Ref. to TPM(diag)-12, OPERATION, Clear Memory Mode.> 4) Perform a driving test. Drive the vehicle at a speed of 40 km/h (25 MPH) or more for at least 10 minutes. 5) Read the DTC. <Ref. to TPM(diag)-11, OPERATION, Read Diagnostic Trouble Code (DTC).>	Is DTC displayed?	Repeat the steps 1 to 4 until DTC is not shown.	Finish the diagnosis.