# Basic Diagnostic Procedure

## 1. Basic Diagnostic Procedure

### A: PROCEDURE

**CAUTION:**
**Remove foreign matter (dust, water, oil etc.) from the tire pressure monitoring control module connector when removing or installing.**

NOTE:
To check harness for broken wires or short circuits, shake trouble spot or connector.

| | Step | Check | Yes | No |
|---|---|---|---|---|
| 1 | **CHECK PRE-INSPECTION.**<br>1) Check with the user regarding when the warning light lit or started blinking.<br>2) Before performing diagnostics, check the components which might mal-affect tire pressure monitor system. <Ref. to TPM(diag)-3, INSPECTION, General Description.> | Is the component that might affect the tire pressure monitor system normal? | Go to step **2**. | Repair or replace each component. |
| 2 | **CHECK DIAGNOSTIC TROUBLE CODE (DTC).**<br>1) Turn the ignition switch to OFF.<br>2) Connect the Subaru Select Monitor to data link connector.<br>3) Turn the ignition switch to ON and run the Subaru Select Monitor.<br>NOTE:<br>If the communication function of the Subaru Select Monitor cannot be executed normally, check the communication circuit. <Ref. to TPM(diag)-11, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, INSPECTION, Subaru Select Monitor.><br>4) Read the DTC. <Ref. to TPM(diag)-16, OPERATION, Read Diagnostic Trouble Code (DTC).> | Is DTC displayed? | Go to step **4**. | Go to step **3**. |
| 3 | **PERFORM GENERAL DIAGNOSTICS.**<br>1) Inspect using "General Diagnostic Table". <Ref. to TPM(diag)-42, General Diagnostic Table.><br>2) Perform the Clear Memory Mode. <Ref. to TPM(diag)-9, CLEAR MEMORY, OPERATION, Subaru Select Monitor.><br>3) Perform the Inspection Mode. <Ref. to TPM(diag)-17, Inspection Mode.><br>4) Read the DTC. <Ref. to TPM(diag)-8, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.><br>Check the DTC is not displayed. | Does the tire pressure warning light illuminates for about 2 seconds and then foes off after turning on the ignition switch, and then go out? | Finish the diagnosis. | Check using "Diagnostic Procedure for TPM"<Ref. to TPM(diag)-14, WITHOUT DTC, INSPECTION, Subaru Select Monitor.> |
| 4 | **PERFORM DIAGNOSIS.**<br>1) Refer to "List of Diagnostic Trouble Code (DTC)".<br>2) Correct the cause of trouble.<br>3) Perform the Clear Memory Mode. <Ref. to TPM(diag)-9, CLEAR MEMORY, OPERATION, Subaru Select Monitor.><br>4) Perform the drive test.<br>Drive the vehicle at a speed more than 40 km/h (25 MPH) for at least 10 minutes.<br>5) Read the DTC. <Ref. to TPM(diag)-8, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.> | Is DTC displayed? | Repeat steps 1 to 4 until DTC is not shown. | Finish the diagnosis. |