

5. Subaru Select Monitor

A: OPERATION

For the operation procedure, refer to the “PC application help for Subaru Select Monitor”.

NOTE:

If the tire inflation pressure monitoring control module and Subaru Select Monitor can not communicate, check the communication circuit. <Ref. to TPM(diag)-9, INSPECTION, Subaru Select Monitor.>

Subaru Select Monitor

TIRE PRESSURE MONITORING SYSTEM (DIAGNOSTICS)

B: INSPECTION

1. COMMUNICATION FOR INITIALIZING IMPOSSIBLE

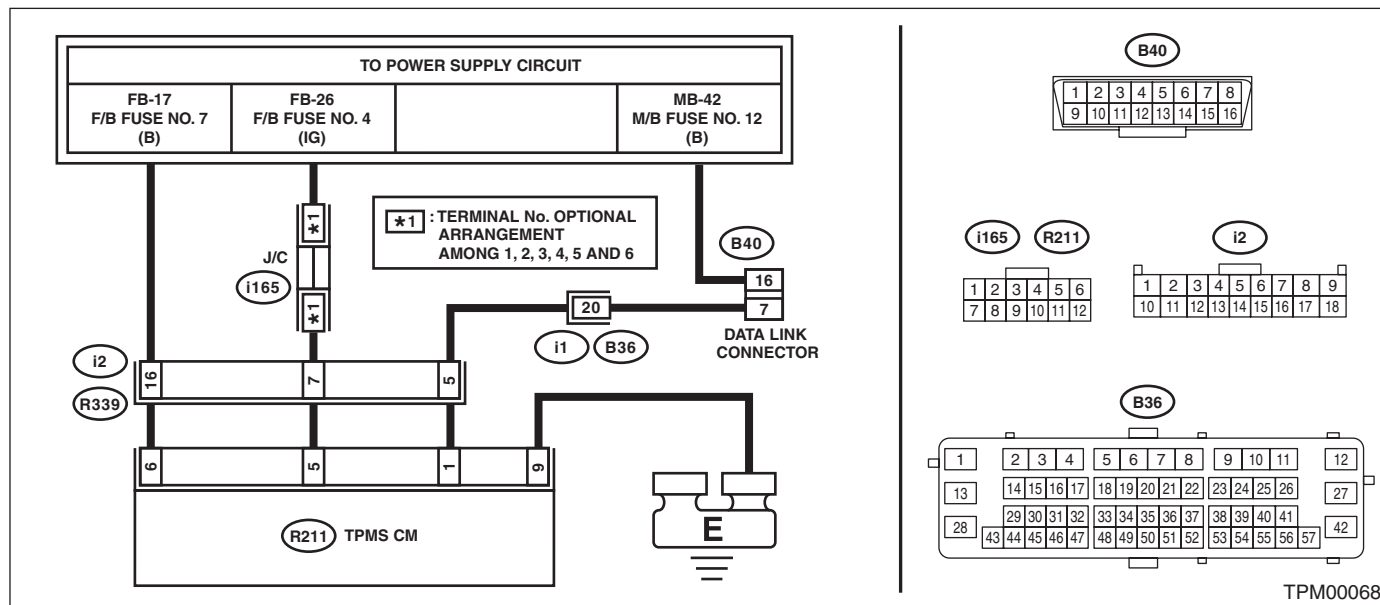
DETECTING CONDITION:

Defective harness connector

TROUBLE SYMPTOM:

Communication is impossible between the tire inflation pressure monitoring control module and the Subaru Select Monitor.

WIRING DIAGRAM:



Step	Check	Yes	No
1	CHECK IGNITION SWITCH.	Is the ignition switch ON?	Go to step 2.
2	CHECK BATTERY.	Is the voltage 11 V or more?	Go to step 3.
3	CHECK BATTERY TERMINAL.	Is there poor contact at battery terminal?	Repair or tighten the battery terminal.
4	CHECK SUBARU SELECT MONITOR COMMUNICATION. 1) Turn the ignition switch to ON. 2) Using the Subaru Select Monitor, check whether communication to other systems can be executed normally.	Is the system name displayed on Subaru Select Monitor?	Go to step 8.
5	CHECK SUBARU SELECT MONITOR COMMUNICATION. 1) Turn the ignition switch to OFF. 2) Disconnect the tire inflation pressure monitoring control module connector. 3) Turn the ignition switch to ON. 4) Check whether communication to other systems can be executed normally.	Is the system name displayed on Subaru Select Monitor?	Replace the tire inflation pressure monitoring control module.

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Step	Check	Yes	No
6 CHECK HARNESS CONNECTOR BETWEEN EACH CONTROL MODULE AND DATA LINK CONNECTOR. 1) Turn the ignition switch to OFF. 2) Disconnect the tire inflation pressure monitoring control module. 3) Measure the resistance between data link connector and chassis ground. Connector & terminal (B40) No. 7 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 7.	Repair the harness and connector between each control module and data link connector.
7 CHECK OUTPUT VOLTAGE FOR TIRE INFLATION PRESSURE MONITORING CONTROL MODULE. 1) Turn the ignition switch to ON. 2) Measure the voltage between the tire inflation pressure monitoring control module and chassis ground. Connector & terminal (B40) No. 7 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 8.	Repair the harness and connector between each control module and data link connector.
8 CHECK HARNESS BETWEEN TIRE INFLATION PRESSURE MONITORING CONTROL MODULE AND DATA LINK CONNECTOR. 1) Turn the ignition switch to OFF. 2) Measure the resistance between the tire inflation pressure monitoring control module and data link connector. Connector & terminal (R211) No. 1 — (B40) No. 7:	Is the resistance less than 0.5 Ω?	Go to step 9.	Repair the harness and connectors between the tire inflation pressure monitoring control module and data link connector.
9 CHECK TIRE INFLATION PRESSURE MONITORING CONTROL MODULE CONNECTOR.	Is the tire inflation pressure monitoring control module connector inserted to the module until it is locked securely?	Go to step 10.	Insert the tire inflation pressure monitoring control module connector to the tire inflation pressure monitoring control module.
10 CHECK POWER SUPPLY CIRCUIT. 1) Turn the ignition switch to ON. (engine OFF) 2) Measure the ignition power supply voltage between the tire inflation pressure monitoring control module and chassis ground. Connector & terminal (R211) No. 5 (+) — Chassis ground (-):	Is the voltage 10 — 15 V?	Go to step 11.	Repair the open circuit of harness between the tire inflation pressure monitoring control module and battery.
11 CHECK HARNESS BETWEEN TIRE INFLATION PRESSURE MONITORING CONTROL MODULE AND CHASSIS GROUND. 1) Turn the ignition switch to OFF. 2) Disconnect the connector from the tire inflation pressure monitoring control module. 3) Measure the resistance between the tire inflation pressure monitoring control module and chassis ground. Connector & terminal (R211) No. 9 — Chassis ground:	Is the resistance less than 0.5 Ω?	Go to step 12.	Repair the open circuit of harness of the tire inflation pressure monitoring control module.
12 CHECK POOR CONTACT OF CONNECTOR.	Is there poor contact of the tire inflation pressure monitoring control module power supply, ground circuit and data link connector?	Repair the connector.	Replace the tire inflation pressure monitoring control module.