

Diagnostic Procedure for Subaru Select Monitor Communication

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

12. Diagnostic Procedure for Subaru Select Monitor Communication

A: COMMUNICATION FOR INITIALIZING IMPOSSIBLE

DIAGNOSIS:

Defective CAN communication circuit

TROUBLE SYMPTOM:

- LAN system is abnormal.
- Communication failure between Subaru Select Monitor and A/C CM

Step	Check	Yes	No
1 CHECK POWER SUPPLY CIRCUIT. Connect SDI (Subaru Diagnosis Interface) to the data link connector.	Is SDI powered on?	Go to step 4.	Go to step 2.
2 CHECK POWER SUPPLY CIRCUIT.. Measure the voltage between data link connector and chassis ground. <i>Connector & terminal</i> <i>(B40) No. 16 (+) — Chassis ground (-):</i>	Is the voltage 10 V or more?	Go to step 3.	Repair the power supply circuit. NOTE: In this case, repair the following items: <ul style="list-style-type: none">• Open or short circuit in the harness between the battery and data link connector• Blown out of fuse (M/B No. 13)
3 CHECK HARNESS BETWEEN DATA LINK CONNECTOR AND CHASSIS GROUND. 1) Turn the ignition switch to OFF. 2) Measure the resistance of harness between data link connector and chassis ground. <i>Connector & terminal</i> <i>(B40) No. 4 — Chassis ground:</i> <i>(B40) No. 5 — Chassis ground:</i>	Is the resistance less than 5 Ω?	Repair the poor contact of data link connector.	Repair the harness and connector.
4 CHECK SUBARU SELECT MONITOR. 1) Connect the Subaru Select Monitor to a normal vehicle. 2) Start the engine and perform communication between the Subaru Select Monitor and vehicle.	Is communication possible?	Go to step 5.	Use another Subaru Select Monitor because the CAN communication circuit of the Subaru Select Monitor is faulty.
5 CHECK CAN COMMUNICATION CIRCUIT. Check the CAN communication circuit. <Ref. to LAN(diag)-10, OPERATION, Read Diagnostic Trouble Code (DTC).>	Is the CAN communication circuit normal?	Check the connection between the data link connector and Subaru Select Monitor.	Repair the CAN communication circuit.