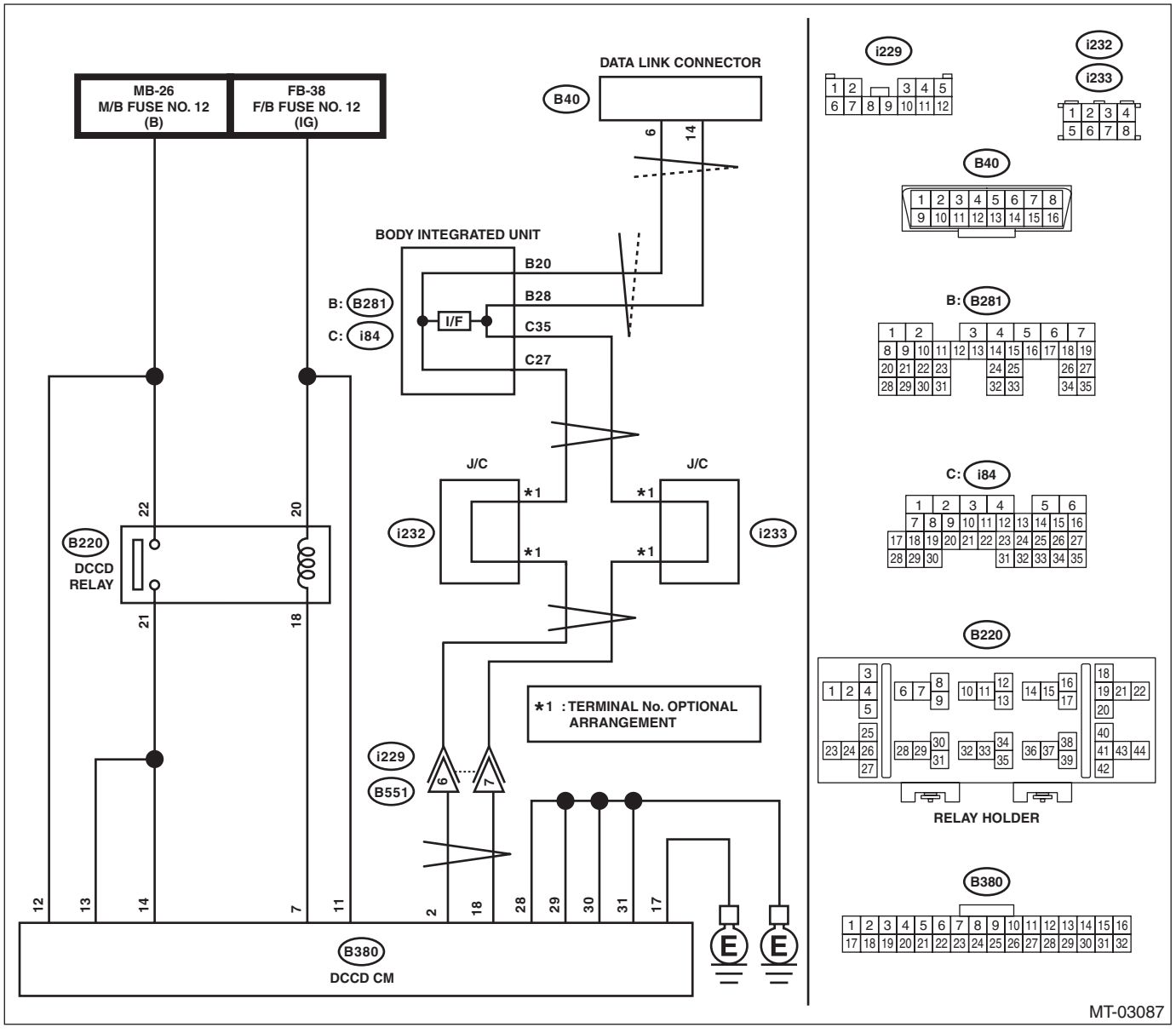
12.Diagnostic Procedure for Subaru Select Monitor Communication

A: COMMUNICATION FOR INITIALIZING IMPOSSIBLE

DIAGNOSIS:
Defective harness connector
TROUBLE SYMPTOM:
Subaru Select Monitor communication failure
WIRING DIAGRAM:
Drivers control center differential control system <Ref. to WI-156, Driver's Control Center Differential Control System.>



Step	Check	Yes	No
1 **CHECK IGNITION SWITCH.**	Is the ignition switch ON?	Go to step **2**.	Turn the ignition switch to ON, and select the transmission mode using the Subaru Select Monitor.

	Step	Check	Yes	No
2	**CHECK BATTERY.** 1) Turn the ignition switch to OFF. 2) Measure the battery voltage.	Is the voltage 11 V or more?	Go to step **3**.	Charge or replace the battery.
3	**CHECK BATTERY TERMINAL.**	Is there poor contact at battery terminal?	Repair or tighten the battery terminal.	Go to step **4**.
4	**CHECK INSTALLATION OF DCCD CONTROL MODULE CONNECTOR.** Turn the ignition switch to OFF.	Is the DCCD control module connector inserted into the DCCD control module until locked by the clamp?	Go to step **5**.	Insert the DCCD control module connector into DCCD control module.
5	**CHECK LAN SYSTEM.** Perform the diagnosis for LAN system. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>	Is there any fault in LAN system?	Perform the diagnosis according to DTC for LAN system. <Ref. to LAN(diag)-70, List of Diagnostic Trouble Code (DTC).>	Go to step **6**.
6	**CHECK SUBARU SELECT MONITOR COMMUNICATION.** 1) Turn the ignition switch to ON. 2) Check whether communication to transmission system can be executed normally.	Is the system name displayed on Subaru Select Monitor?	Check DTC of the DCCD control module. <Ref. to 6MT(diag)-8, Read Diagnostic Trouble Code (DTC).>	Go to step **7**.
7	**CHECK POWER SUPPLY CIRCUIT.** 1) Turn the ignition switch to ON. (engine OFF) 2) Measure the ignition power supply voltage between the DCCD control module connector and chassis ground. ***Connector & terminal*** ***(B380) No. 11 (+) — Chassis ground (–):*** ***(B380) No. 12 (+) — Chassis ground (–):*** ***(B380) No. 13 (+) — Chassis ground (–):*** ***(B380) No. 14 (+) — Chassis ground (–):***	Is the voltage 10 — 13 V?	Go to step **8**.	Repair the open circuit in the harness between the DCCD control module and the battery.
8	**CHECK HARNESS CONNECTOR BETWEEN DCCD CONTROL MODULE AND CHASSIS GROUND.** 1) Turn the ignition switch to OFF. 2) Disconnect the connector from DCCD control module. 3) Measure the resistance of harness between DCCD control module connector and chassis ground. ***Connector & terminal*** ***(B380) No. 17 — Chassis ground:*** ***(B380) No. 28 — Chassis ground:*** ***(B380) No. 29 — Chassis ground:*** ***(B380) No. 30 — Chassis ground:*** ***(B380) No. 31 — Chassis ground:***	Is the resistance less than 10 Ω?	Go to step **9**.	Repair the open circuit of the DCCD control module ground circuit and the poor contact of connector.
9	**CHECK POOR CONTACT OF CONNECTOR.**	Is there poor contact of DCCD control module power supply, ground circuit and data link connector?	Repair the connector.	Replace the DCCD control module. <Ref. to 6MT(TY85)-36, Driver's Control Center Differential Control Module.>