6. Subaru Select Monitor

A: OPERATION

- For operation procedures, refer to the “PC application help for Subaru Select Monitor”.
- When the pedestrian alert system cannot communicate with Subaru Select Monitor, perform “COMMUNICATION FOR INITIALIZING IMPOSSIBLE”.

B: INSPECTION

1. COMMUNICATION FOR INITIALIZING IMPOSSIBLE

Communication error with pedestrian alert CM

DETECTING CONDITION:

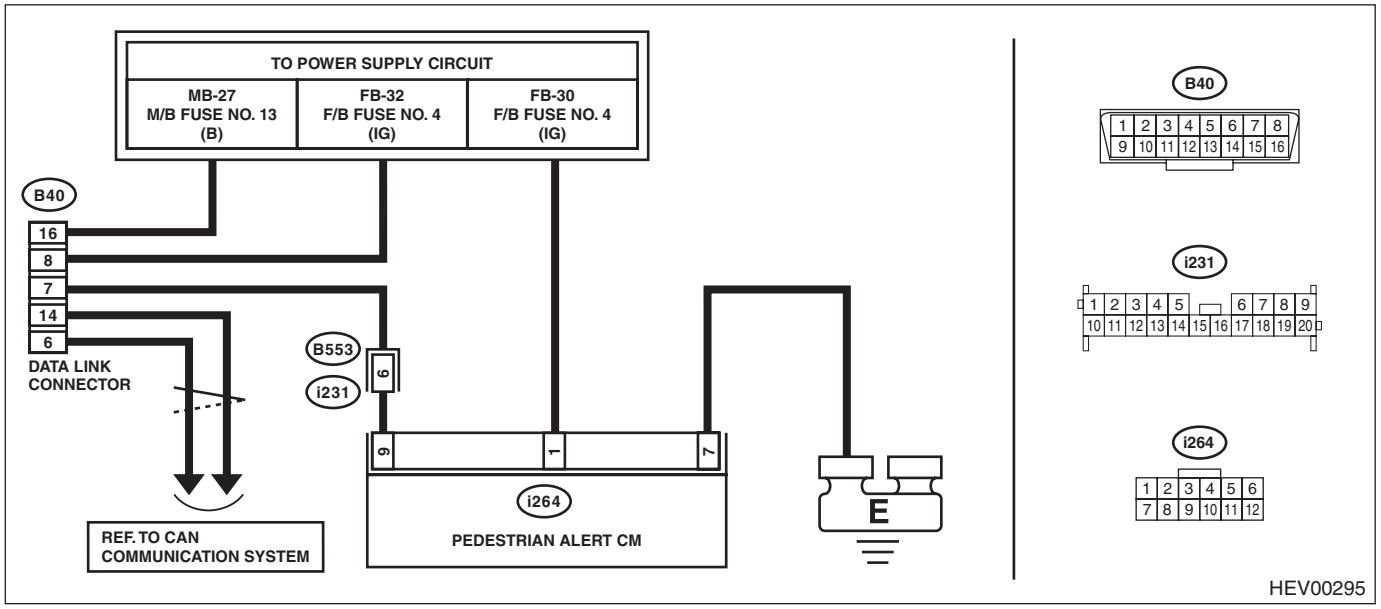
- Defective harness connector
- Power supply circuit malfunction
- Defective pedestrian alert CM
- Defective K-line communication circuit
- Defective Subaru Select Monitor

TROUBLE SYMPTOM:

Communication is impossible between the pedestrian alert control unit and Subaru Select Monitor.

WIRING DIAGRAM:

Pedestrian alert system <Ref. to WI(HEV)-216, WIRING DIAGRAM, Pedestrian Alert 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 pedestrian alert system using the Subaru Select Monitor.
2	**CHECK BATTERY.** 1) Turn the ignition switch to OFF. 2) Measure the voltage for 12 volt auxiliary battery.	Is the voltage 11 V or more?	Go to step **3**.	Charge or replace the battery.
3	**CHECK BATTERY TERMINAL.** Check the terminal for 12 volt auxiliary battery.	Is there poor contact at battery terminal?	Repair or tighten the battery terminal.	Go to step **4**.

	Step	Check	Yes	No
4	**CHECK COMMUNICATION OF SUBARU SELECT MONITOR.** 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?	Go to step **8**.	Go to step **5**.
5	**CHECK DATA LINK CONNECTOR.** 1) Turn the ignition switch to OFF. 2) Using the tester, 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 **6**.	Repair or replace the short circuit of the harness.
6	**CHECK DATA LINK CONNECTOR.** 1) Turn the ignition switch to ON. 2) Using the tester, measure the voltage between data link connector and chassis ground. ***Connector & terminal*** ***(B40) No. 7 (+) — Chassis ground (–):***	Is the voltage less than 1 V?	Go to step **7**.	Repair or replace the short circuit of the harness.
7	**CHECK DATA LINK CONNECTOR.** 1) Turn the ignition switch to OFF. 2) Disconnect the pedestrian alert CM connector. 3) Using the tester, measure the resistance between data link connector and pedestrian alert CM (harness side). ***Connector & terminal*** ***(B40) No. 7 — (i264) No. 9:***	Is the resistance less than 1 Ω?	Go to step **8**.	Repair or replace the open circuit of harness.
8	**CHECK POWER SUPPLY CIRCUIT.** 1) Turn the ignition switch to ON. 2) Using the tester, measure the voltage between pedestrian alert CM (harness side) and chassis ground. ***Connector & terminal*** ***(i264) No. 1 (+) — Chassis ground (–):***	Is the voltage 10 V or more?	Go to step **9**.	Repair or replace the open circuit of harness.
9	**CHECK GROUND CIRCUIT.** 1) Turn the ignition switch to OFF. 2) Using the tester, measure the resistance between pedestrian alert CM (harness side) and chassis ground. ***Connector & terminal*** ***(i264) No. 7 — Chassis ground:***	Is the resistance less than 1 Ω?	Go to step **10**.	Repair or replace the open circuit of harness.
10	**CHECK POOR CONTACT OF CONNECTOR.**	Is there poor contact of pedestrian alert CM connector and data link connector?	Repair the poor contact of connector.	Replace the pedestrian alert CM. <Ref. to PA-6, Pedestrian Alert Control Unit.>