10.Diagnostic Procedure with Diagnostic Trouble Code (DTC)

A: DTC B1630 LIN COMMUNICATION ERROR

DTC DETECTING CONDITION:
Poor LIN communication with body integrated unit.
TROUBLE SYMPTOM:
Seat operation is possible with manual operation, but not with memory function.
Registration is possible with memory SW, but not with keyless access push button start system.

	Step	Check	Yes	No
1	**CHECK DTC.** Read the DTC of the power seat control module using the Subaru Select Monitor.	Is B1630 current malfunction?	Go to step **2**.	Currently, it is normal. It is possible that temporary poor communication occurs.
2	**CHECK DTC.** Read the DTC of body integrated unit using Subaru Select Monitor.	Is U1601 a current malfunction?	Perform the inspection according to the diagnosis for LAN system. <Ref. to LAN(diag)-138, DTC U1601 LIN COMMUNICATION (SEAT MEMORY) FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Go to step **3**.
3	**CHECK BODY INTEGRATED UNIT.** 1) Replace with a power seat control module working properly. <Ref. to SE-60, POWER SEAT CONTROL MODULE (SEAT WITH MEMORY FUNCTION), REMOVAL, Power Seat System.> 2) Read the DTC of the power seat control module using the Subaru Select Monitor.	Is B1630 current malfunction?	Replace the body integrated unit. <Ref. to SL-84, NOTE, Body Integrated Unit.>	There was an abnormality in power seat control module.

B: DTC B1631 LIN BUS SHORT CIRCUIT

DTC DETECTING CONDITION:
Poor LIN communication with body integrated unit. (LIN short circuit)
TROUBLE SYMPTOM:
Seat operation is possible with manual operation, but not with memory function.
Registration is possible with memory SW, but not with keyless access push button start system.

	Step	Check	Yes	No
1	**CHECK DTC.** Read the DTC of the power seat control module using the Subaru Select Monitor.	Is B1631 current malfunction?	Go to step **2**.	Currently, it is normal. It is possible that temporary poor communication occurs.
2	**CHECK DTC.** Read the DTC of body integrated unit using Subaru Select Monitor.	Is U1601 a current malfunction?	Perform the inspection according to the diagnosis for LAN system. <Ref. to LAN(diag)-138, DTC U1601 LIN COMMUNICATION (SEAT MEMORY) FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Go to step **3**.
3	**CHECK BODY INTEGRATED UNIT.** 1) Replace with a power seat control module working properly. <Ref. to SE-60, POWER SEAT CONTROL MODULE (SEAT WITH MEMORY FUNCTION), REMOVAL, Power Seat System.> 2) Read the DTC of the power seat control module using the Subaru Select Monitor.	Is B1631 current malfunction?	Replace the body integrated unit. <Ref. to SL-84, NOTE, Body Integrated Unit.>	There was an abnormality in power seat control module.

C: DTC B1632 VEHICLE SPEED IS ABNORMAL

DTC DETECTING CONDITION:
Vehicle speed signal malfunction
TROUBLE SYMPTOM:
Seat operation is possible with manual operation, but not with memory function.
(Memory registration is possible.)

	Step	Check	Yes	No
1	**CHECK DTC.** Read the DTC of the power seat control module using the Subaru Select Monitor.	Is B1632 current malfunction?	Go to step **2**.	Currently, it is normal. It is possible that temporary poor communication occurs.
2	**CHECK DTC.** Inspect LAN system.	Is U1223 a current malfunction?	Perform the inspection according to the diagnosis for LAN system. <Ref. to LAN(diag)-138, DTC U1601 LIN COMMUNICATION (SEAT MEMORY) FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Go to step **3**.
3	**CHECK VEHICLE SPEED SIGNAL OF VDC MODULE.** Stop the vehicle, and read the vehicle speed data of VDC module using Subaru Select Monitor.	Is the vehicle speed of VDC abnormal?	Replace the VDC module, or inspect the wheel speed sensor harness circuit.	Go to step **4**.
4	**CHECK BODY INTEGRATED UNIT VEHICLE SPEED SIGNAL.** Stop the vehicle, and read the front wheel speed data of body integrated unit using Subaru Select Monitor.	Is the vehicle speed of body integrated unit abnormal?	Replace the body integrated unit. <Ref. to SL-84, NOTE, Body Integrated Unit.>	Go to step **5**.
5	**CHECK POWER SEAT CONTROL MODULE.** 1) Replace with a power seat control module working properly. <Ref. to SE-60, POWER SEAT CONTROL MODULE (SEAT WITH MEMORY FUNCTION), REMOVAL, Power Seat System.> 2) Read the DTC of the power seat control module using the Subaru Select Monitor.	Is B1632 current malfunction?	Replace the body integrated unit. <Ref. to SL-84, NOTE, Body Integrated Unit.>	There was an abnormality in power seat control module.

D: DTC B1633 EPB ABNORMAL

DTC DETECTING CONDITION:
EPB control module malfunction.
TROUBLE SYMPTOM:
Seat operation is possible with manual operation, but not with memory function.
(Memory registration is possible.)

	Step	Check	Yes	No
1	**CHECK DTC.** Read the DTC of the power seat control module using the Subaru Select Monitor.	Is B1633 current malfunction?	Go to step **2**.	Currently, it is normal. It is possible that temporary poor communication occurs.
2	**CHECK DTC.** Inspect LAN system.	Is U1229 a current malfunction?	Perform the inspection according to the diagnosis for LAN system. <Ref. to LAN(diag)-138, DTC U1601 LIN COMMUNICATION (SEAT MEMORY) FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Go to step **3**.
3	**CHECK BODY INTEGRATED UNIT.** 1) Replace with a power seat control module working properly. <Ref. to SE-60, POWER SEAT CONTROL MODULE (SEAT WITH MEMORY FUNCTION), REMOVAL, Power Seat System.> 2) Read the DTC of the power seat control module using the Subaru Select Monitor.	Is B1632 current malfunction?	Replace the body integrated unit. <Ref. to SL-84, NOTE, Body Integrated Unit.>	There was an abnormality in power seat control module.

E: DTC B1634 EEPROM FAILURE

DTC DETECTING CONDITION:
Power seat control module malfunction.
TROUBLE SYMPTOM:
Seat operation is possible with manual operation, but not with memory function.

Step		Check	Yes	No
1	**CHECK DTC.** Read the DTC of the power seat control module using the Subaru Select Monitor.	Is B1634 current malfunction?	Replace the power seat control module. <Ref. to SE-60, POWER SEAT CONTROL MODULE (SEAT WITH MEMORY FUNCTION), REMOVAL, Power Seat System.>	Currently, it is normal. It is possible that temporary poor communication occurs.

F: DTC B1635 POWER SUPPLY VOLTAGE FAILURE

DTC DETECTING CONDITION:

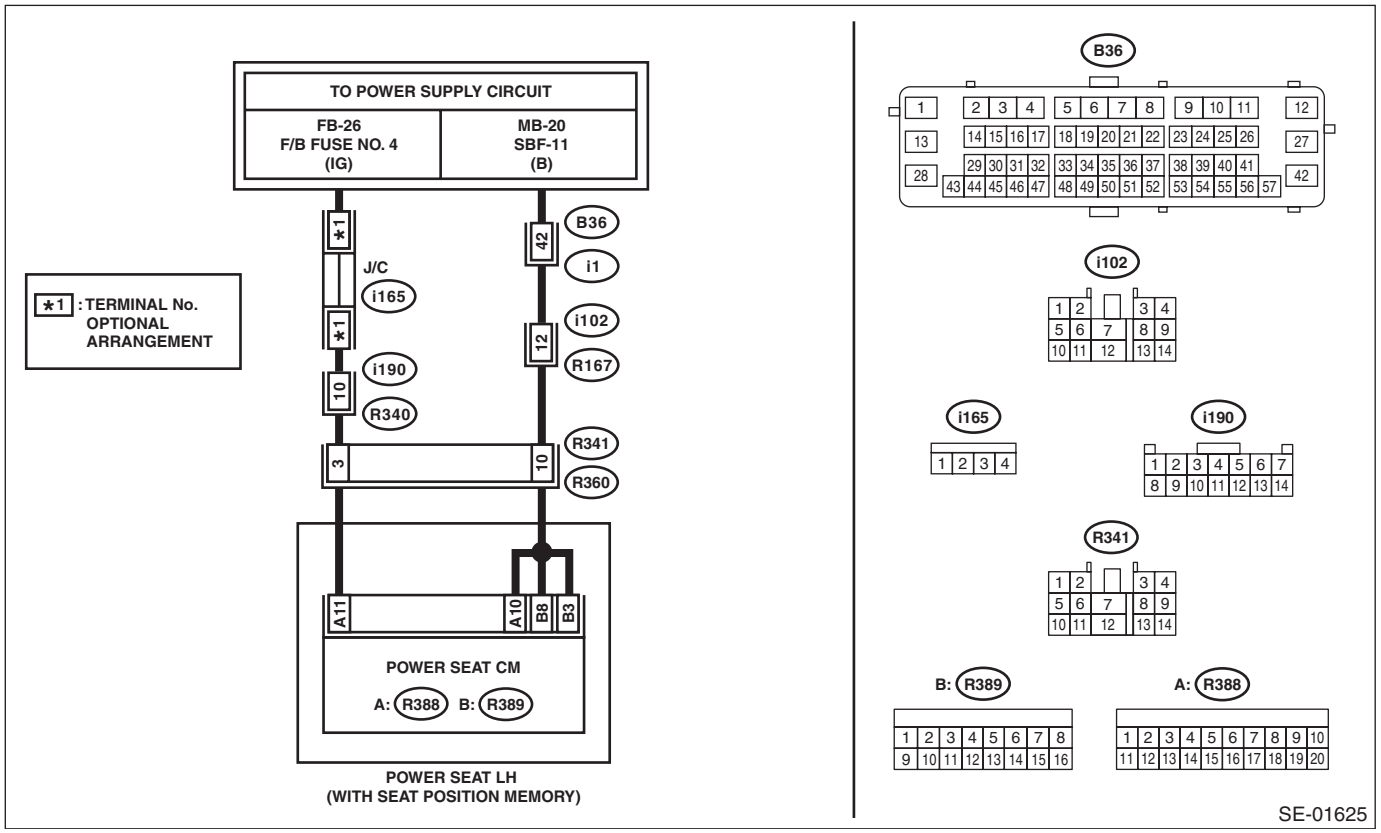
During the motor operation, voltage for power seat control module drops for a moment.

TROUBLE SYMPTOM:

- Seat positions cannot be memorized.
- Seat operation is possible with manual operation, but not with memory function.

WIRING DIAGRAM:

Power seat system <Ref. to WI-232, WITH MEMORY, WIRING DIAGRAM, Power Seat System.>



Step		Check	Yes	No
1	**CHECK DTC.** Read the DTC of the power seat control module using the Subaru Select Monitor.	Is B1635 current malfunction?	Replace the power seat control module. <Ref. to SE-60, POWER SEAT CONTROL MODULE (SEAT WITH MEMORY FUNCTION), REMOVAL, Power Seat System.>	Go to step **2**.
2	**CHECK DTC.** 1) Perform the clear memory operation. 2) Disconnect, and then connect the power seat control module connector. 3) Turn the ignition switch to ON. 4) Move the power seat. 5) Read the DTC of the power seat control module using the Subaru Select Monitor.	Does B1635 remain as past malfunction?	Go to step **3**.	Repair or replace the poor contact of connector.

Step		Check	Yes	No
3	**CHECK HARNESS.** 1) Disconnect the power seat control module connector. 2) Turn the ignition switch to ON. 3) Using the tester, measure the voltage between terminals. ***Connector & terminal*** ***(R388) No. 10 (+) — Chassis ground (–):*** ***(R388) No. 11 (+) — Chassis ground (–):*** ***(R389) No. 3 (+) — Chassis ground (–):*** ***(R389) No. 8 (+) — Chassis ground (–):***	Is the voltage 8.5 — 16.5 V?	Replace the power seat control module. <Ref. to SE-60, POWER SEAT CONTROL MODULE (SEAT WITH MEMORY FUNCTION), REMOVAL, Power Seat System.>	Repair the harness between power seat control module and fuse.

SECURITY AND LOCKS

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