

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

POWER SEAT MEMORY SYSTEM (DIAGNOSTICS)

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.

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

POWER SEAT MEMORY SYSTEM (DIAGNOSTICS)

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.

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

POWER SEAT MEMORY SYSTEM (DIAGNOSTICS)

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.

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

POWER SEAT MEMORY SYSTEM (DIAGNOSTICS)

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.

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

POWER SEAT MEMORY SYSTEM (DIAGNOSTICS)

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.

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

POWER SEAT MEMORY SYSTEM (DIAGNOSTICS)

F: DTC B1635 POWER SUPPLY VOLTAGE FAILURE

DTC DETECTING CONDITION:

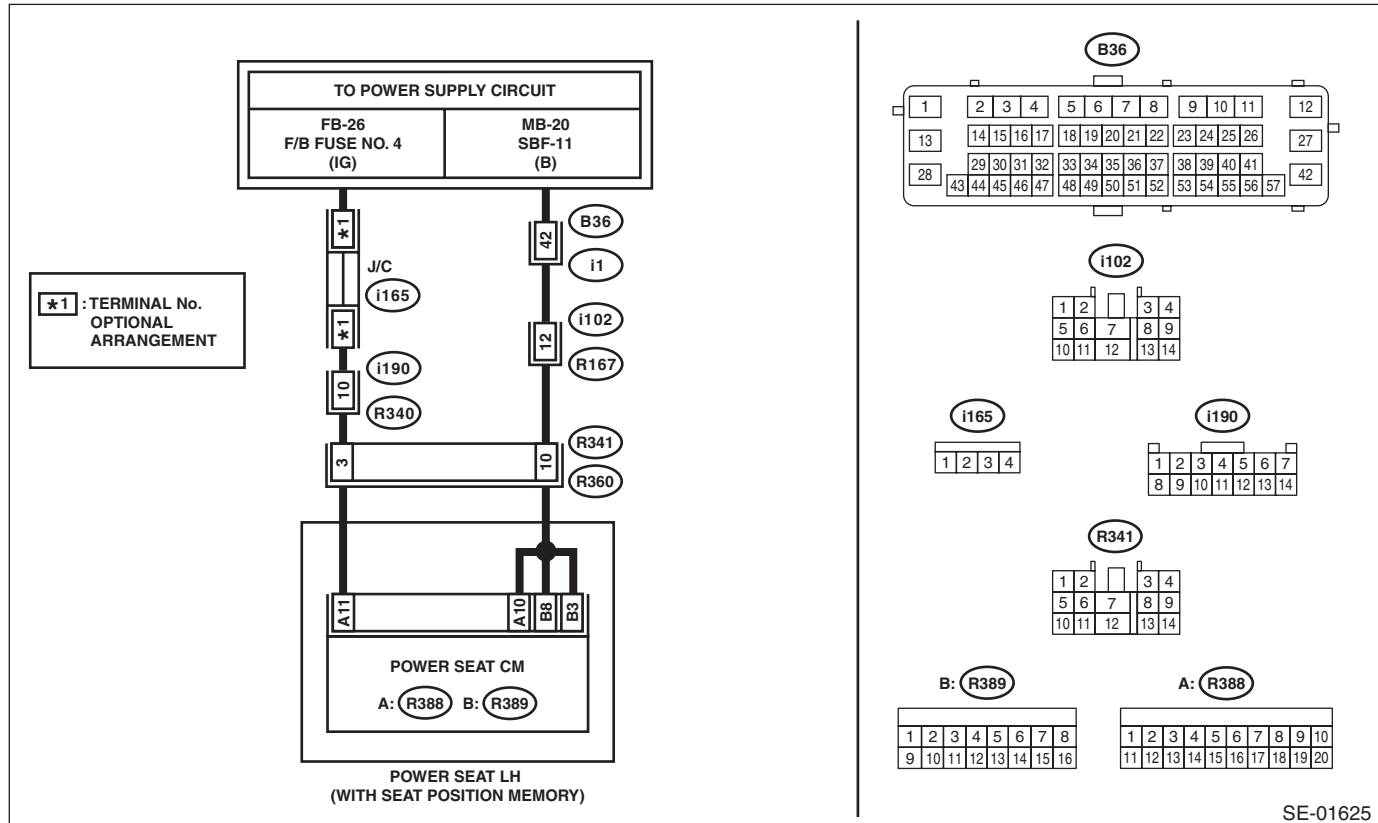
During the motor operation, voltage for power seat control module drops for a moment.

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.>



SE-01625

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.>
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.

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

POWER SEAT MEMORY SYSTEM (DIAGNOSTICS)

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

SL

	Page
1. General Description	3
2. Relay and Fuse	11
3. Door Lock Control System	13
4. Keyless Entry System	19
5. Keyless Access System	33
6. Push Button Start System	34
7. Security System	36
8. Front Inner Remote	40
9. Front Outer Handle	41
10. Front Door Latch and Door Lock Actuator Assembly	45
11. Rear Inner Remote	49
12. Rear Outer Handle	50
13. Rear Door Latch and Door Lock Actuator Assembly	53
14. Rear Gate Opener Button	55
15. Trunk Opener Switch	58
16. Rear Gate Latch and Actuator Assembly	60
17. Trunk Lid Latch and Actuator Assembly	62
18. Front Hood Lock Assembly	64
19. Remote Openers	67
20. Ignition Key Lock	71
21. Key Lock Cylinders	73
22. Security Control Module	78
23. Impact Sensor	79
24. Keyless Entry Control Module	81
25. Keyless Buzzer	83
26. Body Integrated Unit	84
27. Keyless Transmitter	85
28. Transmitter	88
29. Access Key	91
30. Immobilizer Control Module	92
31. Immobilizer Antenna	93
32. Keyless Access Indoor Antenna	97
33. Keyless Access Outdoor Antenna	104
34. Front Lock Button	106
35. Rear Lock Button	107
36. Oscillator	110
37. Receiver	111
38. Keyless Access CM	112
39. ID Code Box	114
40. Steering Lock CM	115
41. Push Button Ignition Switch	117
42. Starter Relay (Push Button Start)	121
43. IG Relay1 (Push Button Start)	123
44. IG Relay2 (Push Button Start)	125
45. Accessory Relay (Push Button Start)	127

46.	Starter Cut Relay	129
47.	Access Buzzer	131
48.	Function Setting (Customize)	132
49.	Keyless Access With Push Button Start System	133