

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)-102, 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-80, 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)-102, 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-80, 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)-102, 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-80, 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-80, 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)-102, 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-80, 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:

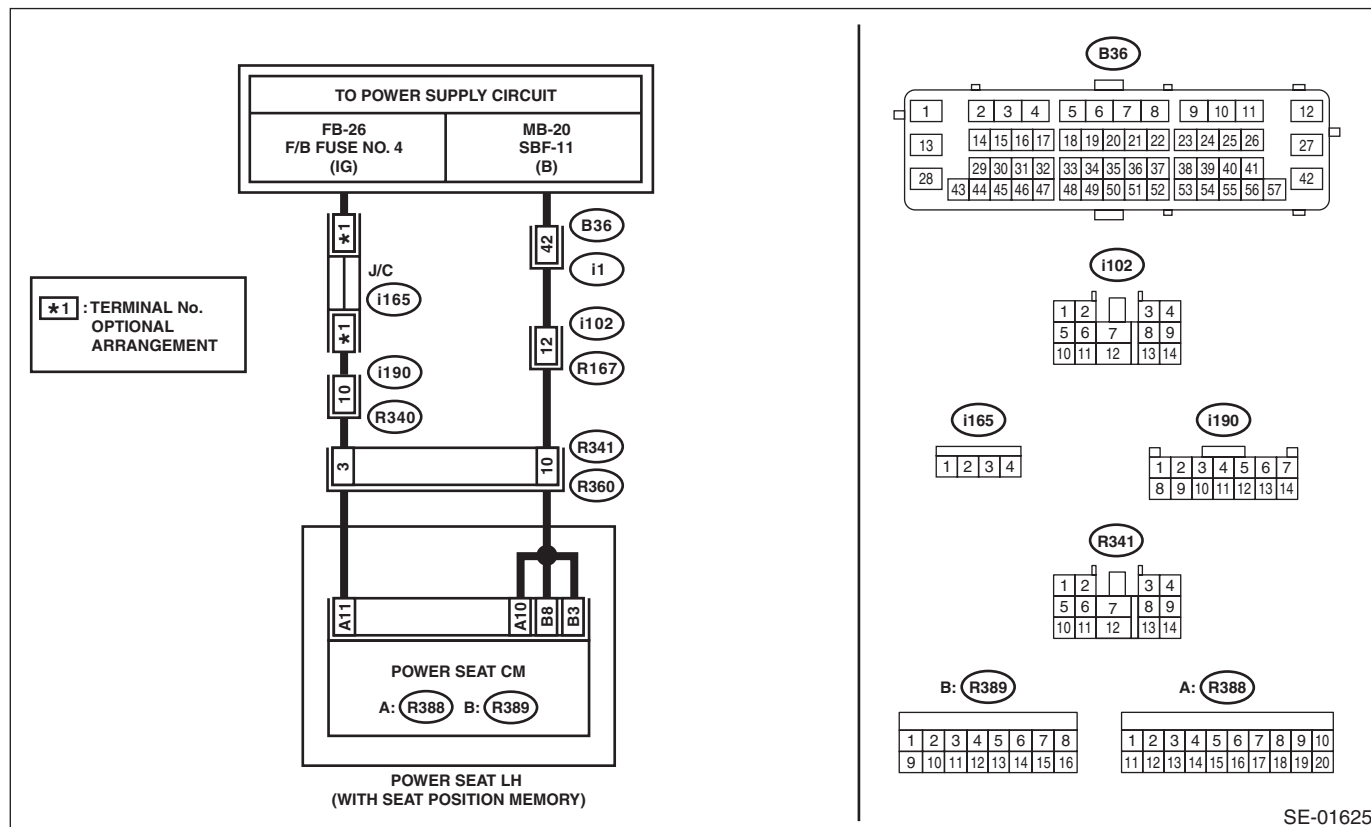
During the motor operation, voltage for power seat control module drops for a moment.

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-235, 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.

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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	2
2. Relay and Fuse	9
3. Door Lock Control System	11
4. Keyless Entry System	16
5. Keyless Access System	29
6. Push Button Start System	30
7. Security System	32
8. Front Inner Remote	36
9. Front Outer Handle	37
10. Front Door Latch and Door Lock Actuator Assembly	41
11. Rear Inner Remote	45
12. Rear Outer Handle	46
13. Rear Door Latch and Door Lock Actuator Assembly	49
14. Rear Gate Opener Button	51
15. Trunk Opener Switch	54
16. Rear Gate Latch and Actuator Assembly	56
17. Trunk Lid Latch and Actuator Assembly	58
18. Front Hood Lock Assembly	60
19. Remote Openers	63
20. Ignition Key Lock	67
21. Key Lock Cylinders	69
22. Security Control Module	74
23. Impact Sensor	75
24. Keyless Entry Control Module	77
25. Keyless Buzzer	79
26. Body Integrated Unit	80
27. Keyless Transmitter	81
28. Access Key	83
29. Immobilizer Control Module	85
30. Immobilizer Antenna	86
31. Keyless Access Indoor Antenna	90
32. Keyless Access Outdoor Antenna	97
33. Front Lock Button	99
34. Rear Lock Button	100
35. Oscillator	103
36. Receiver	104
37. Keyless Access CM	105
38. Steering Lock CM	107
39. Push Button Ignition Switch	109
40. Starter Relay (Push Button Start)	113
41. IG Relay1 (Push Button Start)	115
42. IG Relay2 (Push Button Start)	117
43. Accessory Relay (Push Button Start)	119
44. Starter Cut Relay	121
45. Access Buzzer	123
46. Function Setting (Customize)	124
47. Keyless Access With Push Button Start System	125