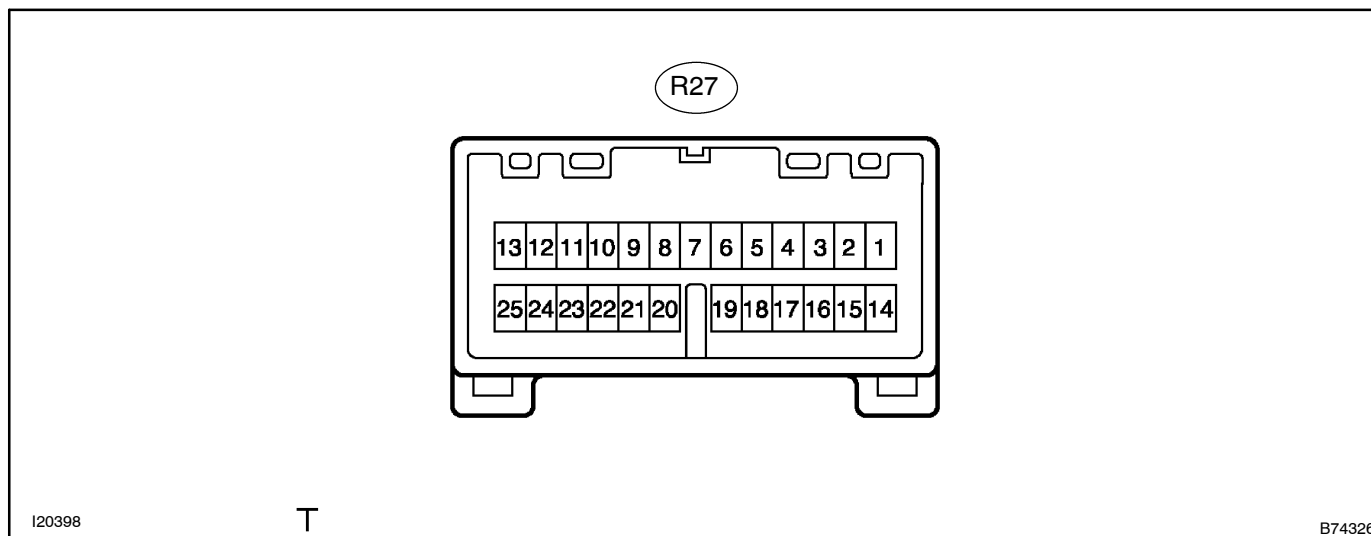


TERMINALS OF ECU

1. CHECK REAR LH SEAT ECU



- (a) Disconnect the R27 ECU connector.
- (b) Measure the voltage of each terminal of the wire harness side connector.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
+B (R27-1) – GND (R27-14)	B – W-B	Battery	Constant	10 to 14 V
GND (R27-14) – Body ground	W-B – Body ground	Ground	Constant	Below 1 V
SYSB (R27-18) – GND (R27-14)	V-Y – W-B	Power source	Constant	10 to 14 V
SGND (R27-23) – GND (R27-14)	W-B – W-B	Ground	Constant	Below 1 V

If the result is not as specified, there may be a malfunction on the wire harness side.

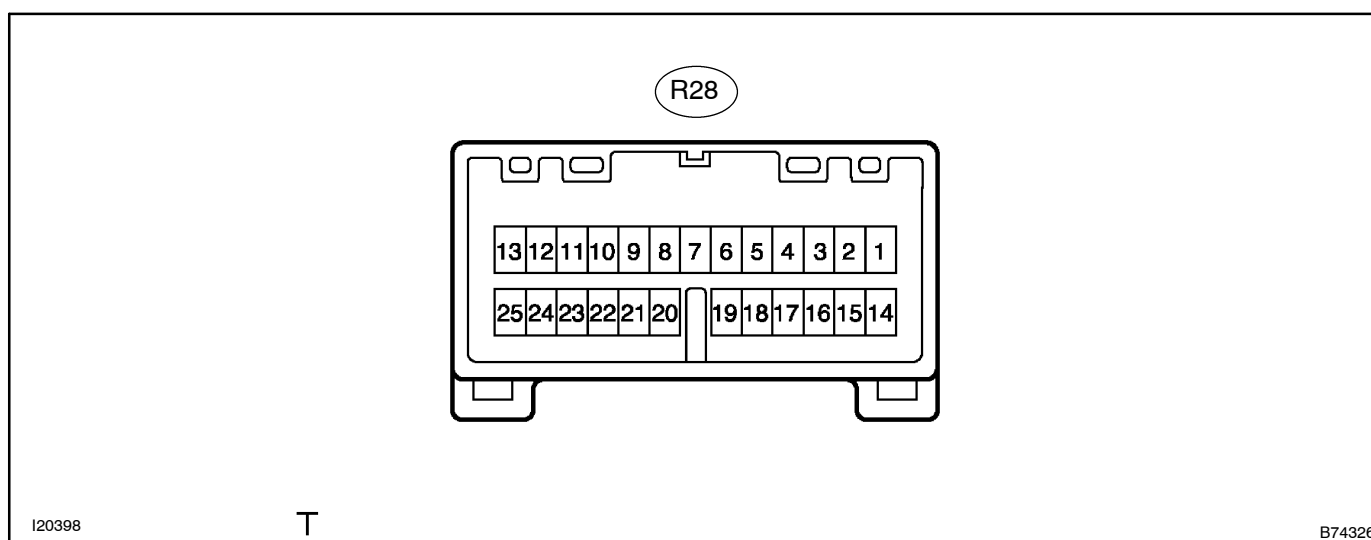
- (c) Reconnect the R27 ECU connector.
- (d) Measure the voltage of each terminal of the ECU connector.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
SLD+ (R27-2) – GND (R27-14)	R-B – W-B	Sliding motor signal (forward)	Seat moved forward using slide switch Others	10 to 14 V Below 1 V
PVCC (R27-4) – GND (R27-14)	Y – W-B	Power source for sliding position sensor	Rear power seat slide op- eration	8 V
STRT (R27-6) – GND (R27-14)	L-R – W-B	Vibrator signal (start)	Refreshing seat ECU com- munication circuit	–
SSRS (R27-10) – GND (R27-14)	G – W-B	Slide position signal	Slide operation	0 to 8 V
HUP (R27-13) – GND (R27-14)	B-R – W-B	Headrest motor signal (upward)	Headrest moved upward using headrest switch Others	10 to 14 V Below 1 V
SLD – (R27-15) – GND (R27-14)	W – W-B	Sliding motor signal (rearward)	Seat moved rearward us- ing slide switch Others	10 to 14 V Below 1 V
PVC2 (R27-17) – GND (R27-14)	O – W-B	Power source for headrest position sensor	Rear power seat headrest operation	8 V
STOP (R27-19) – GND (R27-14)	G-Y – W-B	Vibrator signal (stop)	Refreshing seat ECU com- munication circuit	–

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
HRSW (R27-20) – GND (R27-14)	GR-G – W-B	Headrest limit switch signal	Headrest limit switch ON (Headrest position raised to maximum) Headrest limit switch OFF (Headrest position anywhere except raised to maximum)	Below 1 V 10 to 14 V
SSRH (R27-22) – GND (R27-14)	R – W-B	Headrest position signal	Headrest operation	0 to 8 V
HDWN (R27-25) – GND (R27-14)	R-L – W-B	Headrest motor signal (downward)	Headrest moved downward using headrest switch Others	10 to 14 V Below 1 V

2. CHECK REAR RH SEAT ECU



- Disconnect the R28 ECU connector.
- Measure the voltage of each terminal of the wire harness side connector.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
+B (R28-1) – GND (R28-14)	L – W-B	Battery	Constant	10 to 14 V
GND (R28-14) – Body ground	W-B – Body ground	Ground	Constant	Below 1 V
SYSB (R28-18) – GND (R28-14)	V-Y – W-B	Power source	Constant	10 to 14 V
SGND (R28-23) – GND (R28-14)	W-B – W-B	Ground	Constant	Below 1 V
SEL (R28-11) – GND (R28-14)	W-B – W-B	Ground	Constant	Below 1 V

If the result is not as specified, there may be a malfunction on the wire harness side.

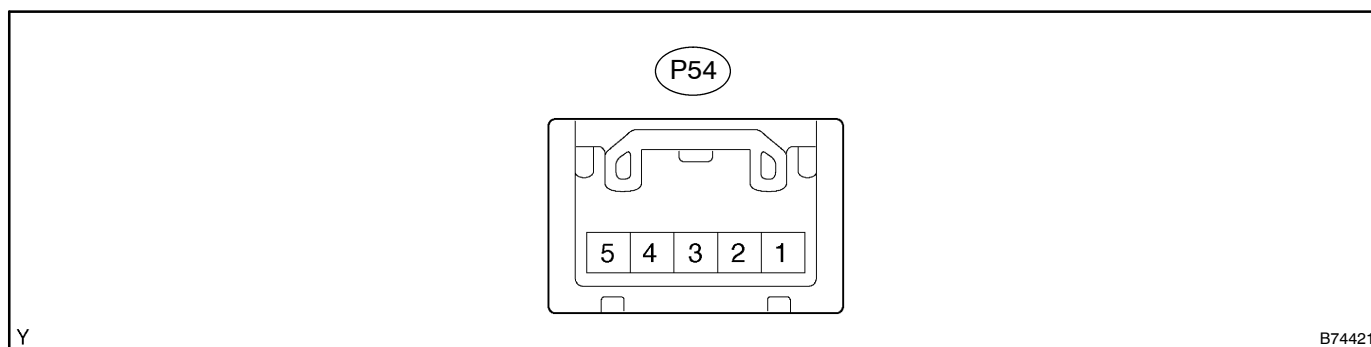
- Reconnect the R28 ECU connector.
- Measure the voltage of each terminal of the ECU connector.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
SLD+ (R28-2) – GND (R28-14)	R-B – W-B	Sliding motor signal (forward)	Seat moved forward using slide switch Others	10 to 14 V Below 1 V
PVCC (R28-4) – GND (R28-14)	O – W-B	Power source for sliding position sensor	Rear power seat slide operation	8 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
STRT (R28-6) – GND (R28-14)	G-Y – W-B	Vibrator signal (start)	Refreshing seat ECU communication circuit	–
SSRS (R28-10) – GND (R28-14)	G – W-B	Slide position signal	Slide operation	0 to 8 V
HUP (R28-13) – GND (R28-14)	W – W-B	Headrest motor signal (upward)	Headrest moved upward using headrest switch Others	10 to 14 V Below 1 V
SLD- (R28-15) – GND (R28-14)	B – W-B	Sliding motor signal (rearward)	Seat moved rearward using slide switch Others	10 to 14 V Below 1 V
PVC2 (R28-17) – GND (R28-14)	Y – W-B	Power source for headrest position sensor	Rear power seat headrest operation	8 V
STOP (R28-19) – GND (R28-14)	L-R – W-B	Vibrator signal (stop)	Refreshing seat ECU communication circuit	–
HRSW (R28-20) – GND (R28-14)	GR-L – W-B	Headrest limit switch signal	Headrest limit switch ON (Headrest position raised to maximum) Headrest limit switch OFF (Headrest position anywhere except raised to maximum)	Below 1 V 10 to 14 V
SSRH (R28-22) – GND (R28-14)	R – W-B	Headrest position signal	Headrest operation	0 to 8 V
HDWN (R28-25) – GND (R28-14)	R-L – W-B	Headrest motor signal (downward)	Headrest moved downward using headrest switch Others	10 to 14 V Below 1 V

3. CHECK REAR SEAT CONTROL SWITCH



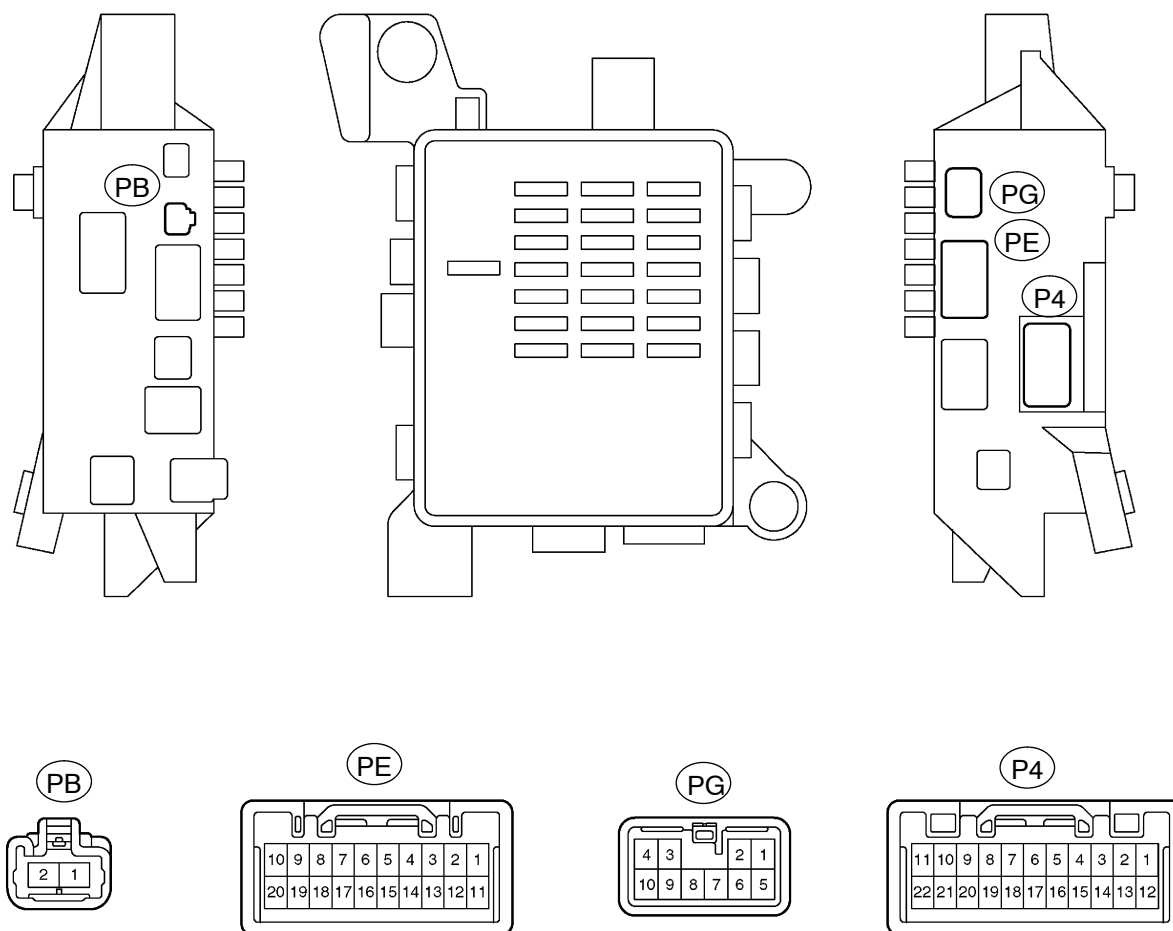
- Disconnect the P54 switch connector.
- Measure the voltage of each terminal of the wire harness side connector.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
SYSB (P54-5) – E (P54-1)	G-W – W-B	Power source	Constant	10 to 14 V
E (P54-1) – Body ground	W-B – Body ground	Ground	Constant	Below 1 V

If the result is not as specified, there may be a malfunction on the wire harness side.

4. CHECK PASSENGER SIDE J/B ECU



Y

B74422

- (a) Disconnect the PB, PE and PG J/B and P4 ECU connectors.
 (b) Measure the voltage of each terminal of the wire harness side connector.

Standard:**LHD models**

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
MPX-B (PB-1) – GND (PG-8)	R-L – W-B	Battery	Constant	10 to 14 V
MPX-IG (PE-3) – GND (PG-8)	R-L – W-B	Power source	Ignition switch OFF → ON	0 V → 10 to 14 V
GND (PG-8) – Body ground	W-B – Body ground	Ground	Constant	Below 1 V
GND1 (P4-11) – Body ground	W-B – Body ground	Ground	Constant	Below 1 V

RHD models

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
MPX-B (PB-2) – GND (PG-7)	R-L – W-B	Battery	Constant	10 to 14 V
MPX-IG (PE-7) – GND (PG-7)	R-L – W-B	Power source	Ignition switch OFF → ON	0 V → 10 to 14 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
GND (PG-7) – Body ground	W-B – Body ground	Ground	Constant	Below 1 V
GND1 (P4-1) – Body ground	W-B – Body ground	Ground	Constant	Below 1 V

If the result is not as specified, there may be a malfunction on the wire harness side.

- (c) Reconnect the PB, PE and PG J/B and P4 ECU connectors.
- (d) Measure the voltage of each terminal of the P4 connector.

Standard:

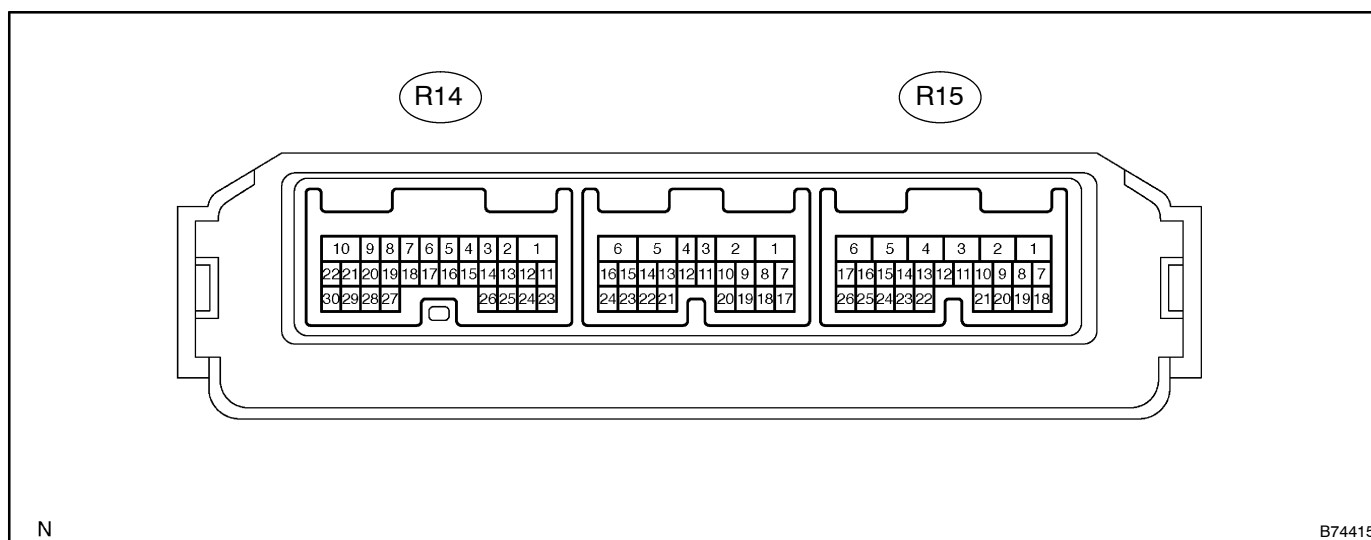
LHD models

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
RRSW (P4-19) – GND1 (P4-11)	Y – W-B	Rear seat return switch signal	Rear seat return switch ON Rear seat return switch OFF	Below 1 V 10 to 14 V

RHD models

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
RRSW (P4-15) – GND1 (P4-11)	Y – W-B	Rear seat return switch signal	Rear seat return switch ON Rear seat return switch OFF	Below 1 V 10 to 14 V

5. CHECK REAR DOOR LH ECU



- (a) Disconnect the R15 ECU connector.
- (b) Measure the voltage of each terminal of the wire harness side connector.

Standard:

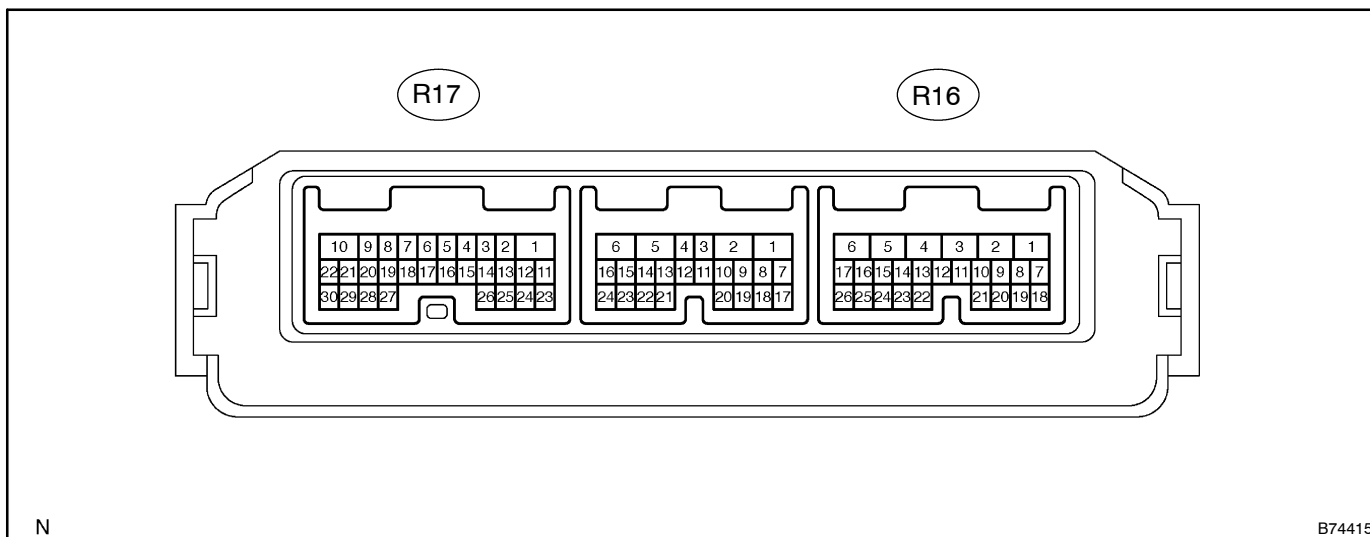
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
CPUB (R15-1) – GND (R15-6)	V-Y – W-B	Power supply	Constant	10 to 14 V
BDR (R15-2) – GND (R15-6)	R-B – W-B	Power supply	Constant	10 to 14 V
GND (R15-6) – Body ground	W-B – Body ground	Ground	Constant	Below 1 V
SIG (R15-26) – GND (R15-6)	R-L – W-B	Power supply	Ignition switch OFF → ON	0 V → 10 to 14 V

If the result is not as specified, there may be a malfunction on the wire harness side.

- (c) Reconnect the R15 ECU connector.
 (d) Measure the voltage of each terminal of the ECU connectors.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
CTY (R15-7) – GND (R15-6)	L – W-B	Rear LH side door courtesy switch signal	Rear LH side door courtesy switch ON (door open) Rear LH side door courtesy switch OFF (door closed)	Below 1 V 10 to 14 V
SET (R14-4) – MSWE (R14-30)	GR – BR-W	Memory SET switch signal	Memory SET switch OFF Memory SET switch ON	10 to 14 V Below 1 V
M (R14-7) – MSWE (R14-30)	B-R – BR-W	Memory M switch signal	Memory M switch OFF Memory M switch ON	10 to 14 V Below 1 V
CAN (R14-8) – MSWE (R14-30)	P-B – BR-W	Memory C switch signal	Memory C switch OFF Memory C switch ON	10 to 14 V Below 1 V
IND (R14-9) – MSWE (R14-30)	P-L – BR-W	Cancel indicator output signal	Rear seat memory cancel switch OFF Rear seat memory cancel switch ON	10 to 14 V Below 1 V

6. CHECK REAR DOOR RH ECU

- (a) Disconnect the R16 ECU connector.
 (b) Measure the voltage of each terminal of the wire harness side connector.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
CPUB (R16-1) – GND (R16-6)	V-Y – W-B	Power supply	Constant	10 to 14 V
BDR (R16-2) – GND (R16-6)	R-W – W-B	Power supply	Constant	10 to 14 V
GND (R16-6) – Body ground	W-B – Body ground	Ground	Constant	Below 1 V
SIG (R16-26) – GND (R16-6)	R-L – W-B	Power supply	Ignition switch OFF → ON	0 V → 10 to 14 V

If the result is not as specified, there may be a malfunction on the wire harness side.

- (c) Reconnect the R16 ECU connector.
- (d) Measure the voltage of each terminal of the ECU connectors.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
CTY (R16-7) – GND (R16-6)	L – W-B	Rear RH side door courtesy switch signal	Rear RH side door courte- sy switch ON (door open) Rear RH side door courte- sy switch OFF (door closed)	Below 1 V 10 to 14 V
SET (R17-4) – MSWE (R17-30)	GR – BR-W	Memory SET switch signal	Memory SET switch OFF Memory SET switch ON	10 to 14 V Below 1 V
M (R17-7) – MSWE (R17-30)	B-R – BR-W	Memory M switch signal	Memory M switch OFF Memory M switch ON	10 to 14 V Below 1 V
CAN (R17-8) – MSWE (R17-30)	P-B – BR-W	Memory C switch signal	Memory C switch OFF Memory C switch ON	10 to 14 V Below 1 V
IND (R17-9) – MSWE (R17-30)	P-L – BR-W	Cancel indicator output signal	Rear seat memory cancel switch OFF Rear seat memory cancel switch ON	10 to 14 V Below 1 V