

PROBLEM SYMPTOMS TABLE**WIRELESS DOOR LOCK CONTROL SYSTEM:**

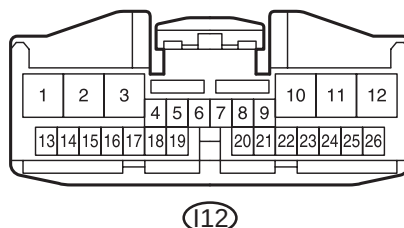
Symptom	Suspected area	See page
Only wireless control function is inoperative (Prepare new or normal transmitter of the same type vehicle)	1. Transmitter battery	DL-32
	2. Door control transmitter	DL-32
	3. Door control receiver	DL-32
	4. Unlock warning switch	DL-32
	5. Integration relay	DL-32
	6. Wire harness	DL-32

TERMINALS OF ECU

1. INSPECT INTEGRATION RELAY

(a) Disconnect the I12 relay connector.

Integration Relay Connector (Wire Harness Side)



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(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
LSWD (I12-19) - Body ground	W - Body ground	Driver's door lock control knob LOCK → UNLOCK	10 k Ω or higher → Below 1 Ω
LSWP (I12-18) - Body ground	W-R - Body ground	Front passenger's door lock control knob LOCK → UNLOCK	10 k Ω or higher → Below 1 Ω
L1 (I12-9) - Body ground	L-W - Body ground	Door lock control switch (Manual operation) OFF → LOCK	10 k Ω or higher → Below 1 Ω
UL1 (I12-8) - Body ground	L - Body ground	Door lock control switch (Manual operation) OFF → UNLOCK	10 k Ω or higher → Below 1 Ω
L2 (I12-7) - Body ground	G - Body ground	Using key, front door lock cylinder LOCK → Other position	Below 1 Ω → 10 k Ω or higher
UL3 (I12-6) - Body ground	L-Y - Body ground	Using key, driver's door lock cylinder UNLOCK → Other position	Below 1 Ω → 10 k Ω or higher
UL2 (I12-5) - Body ground	L-B - Body ground	Using key, front passenger's door lock cylinder UNLOCK → Other position	Below 1 Ω → 10 k Ω or higher
PCTY (I12-13) - Body ground	R-W - Body ground	Front passenger's door fully closed → opened	10 k Ω or higher → Below 1 Ω
GL5 (I12-23) - Body ground	L-W - Body ground	Glass hatch switch OFF → ON	10 k Ω or higher → Below 1 Ω

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

(c) Reconnect the connector.
(d) Measure the voltage according to the value(s) in the table below.

Standard voltage

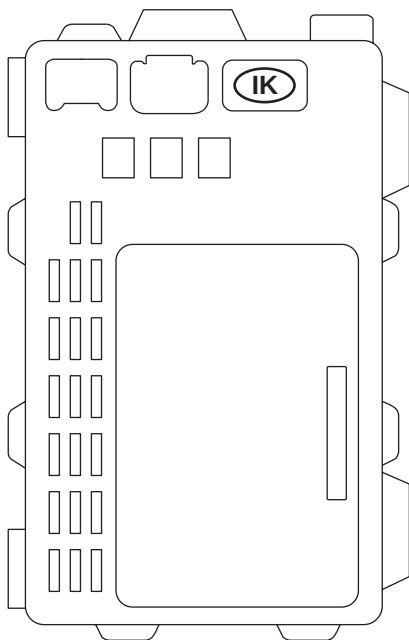
Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
ACTD (I12-1) - Body ground	R - Body ground	Driver's door lock OFF → ON	0 V → 10 to 14 V → Below 1 V
ACTG (I12-2) - Body ground	W - Body ground	Glass hatch opener OFF → ON	0 V → 10 to 14 V → Below 1 V
HAZ (I12-25) - Body ground	Y-B - Body ground	Transmitter LOCK or UNLOCK switch is pushed Hazard Warning switch ON	0 V (Hazard not flashing) → 10 to 14 V (Hazard flashing)

If the result is not as specified, the integration relay may have a malfunction.

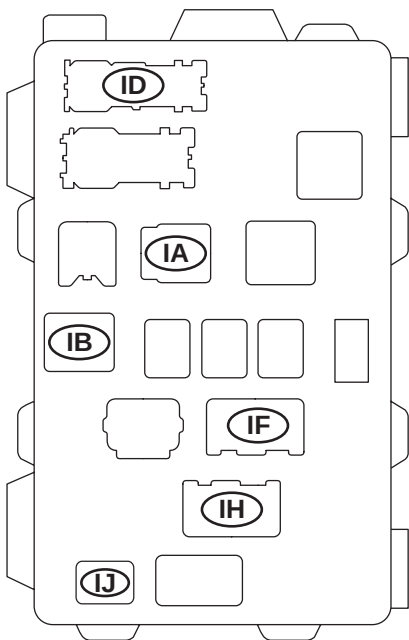
2. INSPECT INSTRUMENT PANEL J/B (INTEGRATION RELAY)

- (a) Disconnect the connectors IA, IB, ID, IF, IH and IJ the instrument panel J/B.

Instrument Panel J/B (Integration Relay)

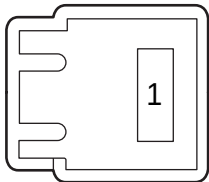


Instrument Panel J/B Side
Connector IK

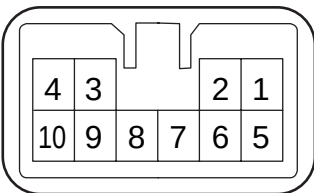
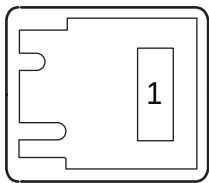


Instrument Panel J/B Side
Connector IF

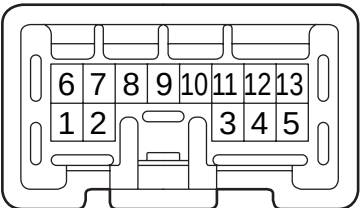
Instrument Panel J/B Side
Connector IA



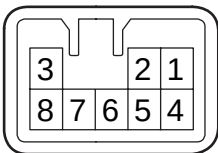
Instrument Panel J/B Side
Connector IB



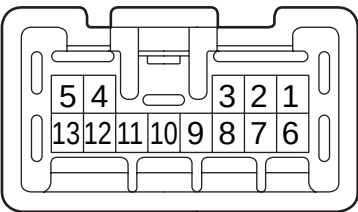
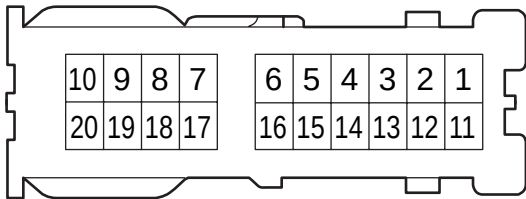
Instrument Panel J/B Side
Connector ID



Instrument Panel J/B Side
Connector IJ



Instrument Panel J/B Side
Connector IH



- (b) Measure the voltage and resistance according to the value(s) in the table below.

Standard

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
DCTY (ID-1) - Body ground	R-W - Body ground	Driver's door fully closed → Opened	10 kΩ or higher → Below 1 Ω
P-DR (ID-14) - Body ground	R-B - Body ground	Rear LH door fully closed → Opened	
P-DR (ID-15) - Body ground	R-Y - Body ground	Rear RH door fully closed → Opened	
P-DR (ID-16) - Body ground	R - Body ground	- Back door fully closed → Opened - Glass hatch fully closed → Opened	10 kΩ or higher → Below 1 Ω
KSW (IJ-8) - Body ground	L-B - Body ground	No key in ignition switch cylinder → Key inserted	10 kΩ or higher → Below 1 Ω
B (IB-1) - Body ground	W - Body ground	Below 1 Ω	10 to 14 V
IG (IA-1) - Body ground	W - Body ground	Below 1 Ω	10 to 14 V
GND (IF-4) - Body ground	W-B - Body ground	Below 1 Ω	Below 1 Ω
GND (IH-10) - Body ground	W-B - Body ground	Below 1 Ω	Below 1 Ω

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

- (c) Reconnect the connectors.
 (d) Measure the voltage according to the value(s) in the table below.

Standard voltage

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
ACT+ (IK-2) - Body ground	L - Body ground	- Front door lock OFF → ON - Rear RH door lock OFF → ON - Back door lock OFF → ON	0 V → 10 to 14 V → Below 1 V
ACT- (IK-5) - Body ground	R - Body ground	- Front passenger's door lock OFF → ON - Rear RH door lock OFF → ON - Back door lock OFF → ON	0 V → 10 to 14 V → Below 1 V
ACT+ (ID-9) - Body ground	L - Body ground	- Rear LH door lock OFF → ON - Back door lock OFF → ON	0 V → 10 to 14 V → Below 1 V
ACT- (ID-20) - Body ground	R - Body ground	- Rear LH door lock OFF → ON - Back door lock OFF → ON	0 V → 10 to 14 V → Below 1 V
RDA (ID-8) - Body ground	L-R - Body ground	No key in ignition key cylinder, all doors closed and transmitter switch OFF → ON	Below 1 V → Approx. 6 to 7 V → Below 1 V

If the result is not as specified, the integration relay or instrument panel J/B assembly may have a malfunction.