

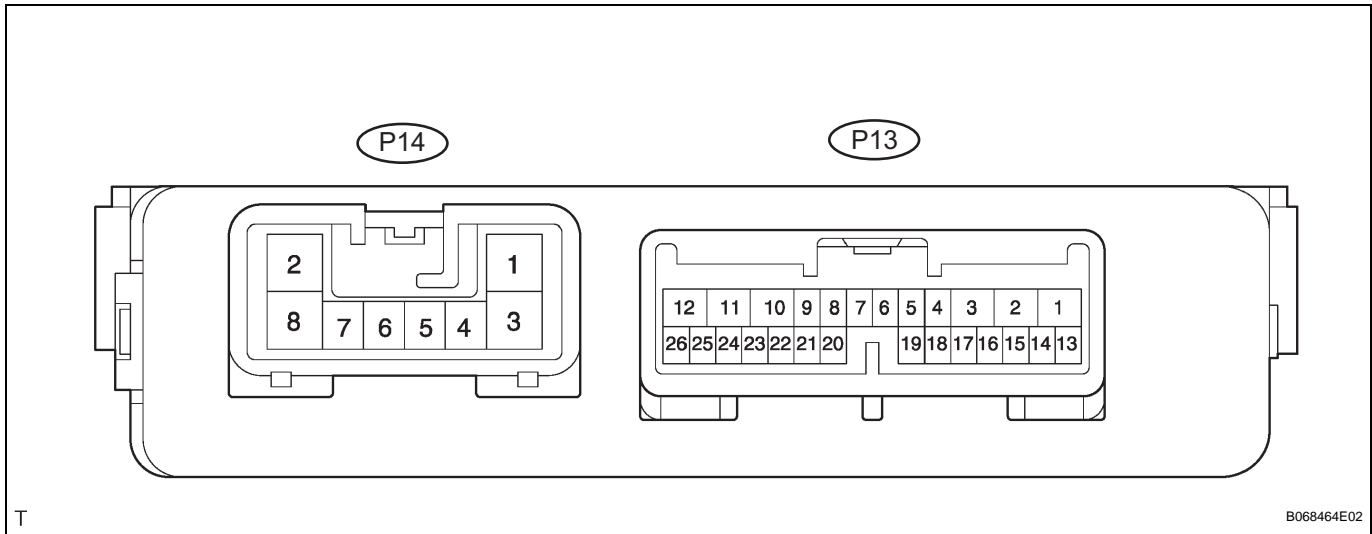
PROBLEM SYMPTOMS TABLE

Symptom	Suspected area	See page
Back door closer does not operate	PBD, ECU-B NO.1, ECU-IG NO.1 fuse	-
	Back door lock motor circuit	ED-76
	Back door courtesy switch circuit	ED-144
	Back door latch switch circuit	ED-46
	Instrument panel J/B (Body ECU)	-
	Power back door ECU	-

TERMINALS OF ECU

1. CHECK POWER BACK DOOR ECU

- (a) Disconnect the P13 and P14 ECU connectors and measure the voltage and resistance according to the value(s) in the table below.



Standard voltage and resistance

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
ECUB (P13-10) - Body ground	BR - Body ground	ECU (ECUB) power supply	Constant	10 to 14 V
B (P14-2) - Body ground	Y - Body ground	+B (ECUB) power supply	Constant	10 to 14 V
GND (P14-8) - Body ground	W-B - Body ground	Ground	Constant	Below 1 Ω
IG (P13-9) - Body ground	GR - Body ground	Ignition switch input	Ignition switch OFF \rightarrow ON	Below 1 V \rightarrow 10 to 14 V
CTYE (P13-7) - Body ground	P - Body ground	Back door courtesy switch input	Back door CLOSED \rightarrow OPEN	10 k Ω or higher \rightarrow Below 1 Ω
CTYO (P13-19) - Body ground	BR - Body ground	Back door courtesy switch output	Back door CLOSED \rightarrow OPEN	10 k Ω or higher \rightarrow Below 1 Ω
HSW (P13-3) - Body ground	GR - Body ground	Power back door opener switch (outside handle switch) input	Power back door opener switch OFF \rightarrow ON	10 k Ω or higher \rightarrow Below 1 Ω

HINT:

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

- (b) Reconnect the ECU connectors and measure the voltage according to the value(s) in the table below.

Standard voltage

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
POS (P13-21) - Body ground	LG - Body ground	Back door lock position switch input	Back door OPEN \rightarrow Closer in operation \rightarrow CLOSED	Below 1 V \rightarrow 10 to 14 V \rightarrow Below 1 V
FUL (P13-18) - Body ground	V - Body ground	Back door lock full-latch switch input	Back door CLOSED \rightarrow OPEN	10 to 14 V \rightarrow Below 1 V
HAF (P13-8) - Body ground	R - Body ground	Back door lock Secondary-latch switch input	Back door OPEN \rightarrow Closer in operation \rightarrow CLOSED	Below 1 V \rightarrow 10 to 14 V \rightarrow Below 1 V

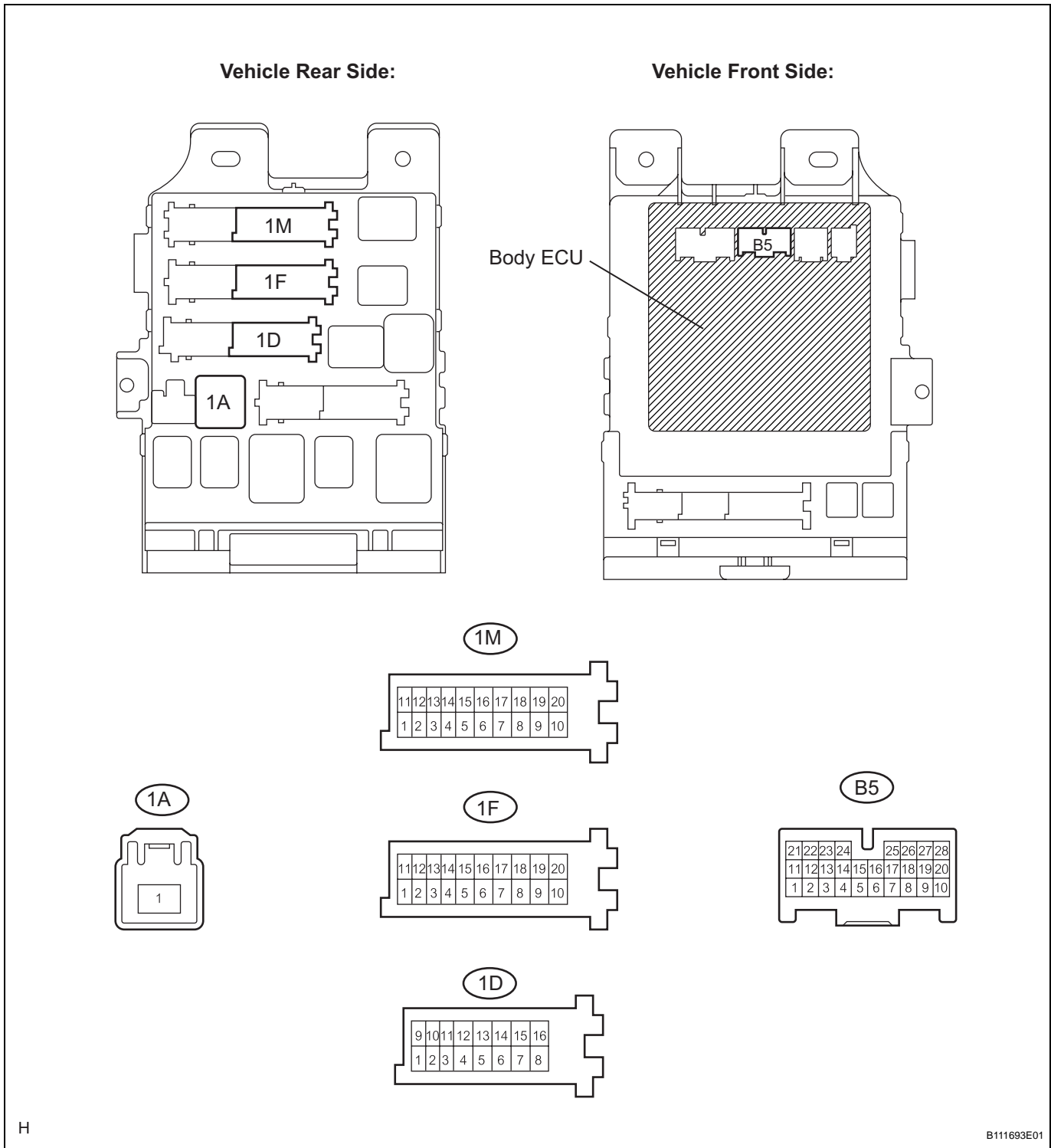
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
DC+ (P13-12) - Body ground	G - Body ground	Back door lock closer motor drive output (Close)	Back door OPEN → Not completely closed → Motor in normal rotation → Motor in reverse rotation → Operation completed (Back door CLOSED)	Below 1 V → Below 1 V → 10 to 14 V → Below 1 V → Below 1 V
DC- (P13-11) - Body ground	B - Body ground	Back door lock closer motor drive output (Release)	Back door OPEN → Not completely closed → Motor in normal rotation → Motor in reverse rotation → Operation completed (Back door CLOSED)	Below 1 V → Below 1 V → Below 1 V → 10 to 14 V → Below 1 V

HINT:

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

2. CHECK INSTRUMENT PANEL J/B ASSY (BODY ECU)

(a) Disconnect the 1A, 1D, 1F, 1M and B5 connectors.



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

Standard voltage and resistance

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
BEU (1D-10) - Body ground	W - Body ground	+B (BEU) power supply	Constant	10 to 14 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
ALTB (1D-16) - Body ground	W - Body ground	+B (power system, generator system) power supply	Constant	10 to 14 V
BATB (1A-1) - Body ground	B - Body ground	+B (power system, battery system) power supply	Constant	10 to 14 V
GND1 (1F-10) - Body ground	W-B - Body ground	Ground	Constant	Below 1 Ω
GND2 (1M-9) - Body ground	W-B - Body ground	Ground	Constant	Below 1 Ω
BCTY (B5-25) - Body ground	P - Body ground	Back door courtesy switch input	Back door CLOSED → OPEN	10 k Ω or higher → Below 1 Ω

HINT:

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