

DIAGNOSTIC TROUBLE CODE CHART

HINT:

If a malfunction code is displayed during the DTC check, check the circuit corresponding to the code in the table below. Proceed to the page given for the circuit.

MULTIPLEX COMMUNICATION SYSTEM

DTC No.	Detection Item	Trouble area	See page
B1214	Short to B+ in Door System Communication Bus Malfunction	1. Back door ECU 2. Main Body ECU 3. Wire Harness	MP-11
B1215	Short to GND in Door System Communication Bus Malfunction	1. Back door ECU 2. Main Body ECU 3. Wire Harness	MP-11
B1287	Back Door ECU Communication Stop	1. Back door ECU 2. Wire Harness	MP-14

DTC	B1214	Short to B+ in Door System Communication Bus Malfunction
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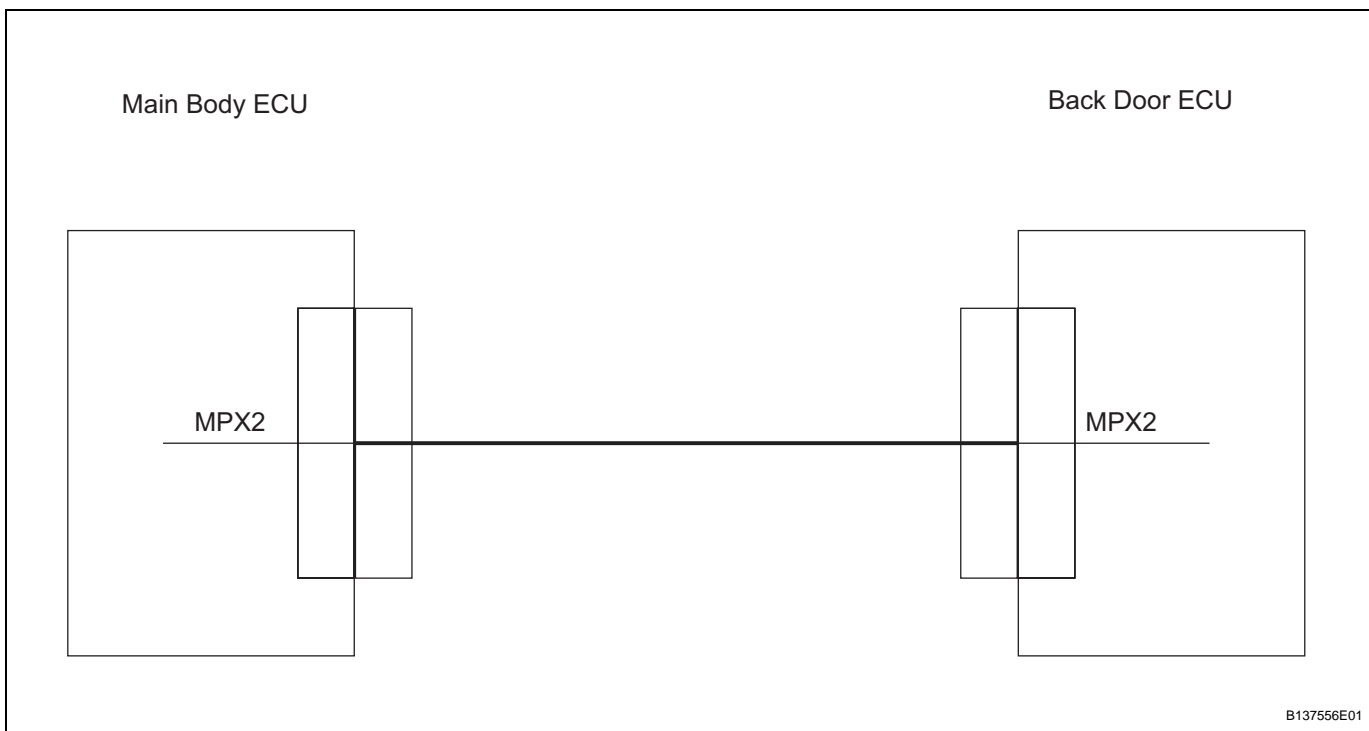
DTC	B1215	Short to GND in Door System Communication Bus Malfunction
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DESCRIPTION

When a +B short circuit or body ground short circuit is detected on the communication bus (BEAN), BEAN is disabled and a DTC is output.

DTC No.	DTC Detection Condition	Trouble Area
B1214	Communication circuit and +B battery system short	<ul style="list-style-type: none"> • Back door ECU • Main body ECU • Wire harness
B1215	Door system communication circuit and body ground short	<ul style="list-style-type: none"> • Back door ECU • Main body ECU • Wire harness

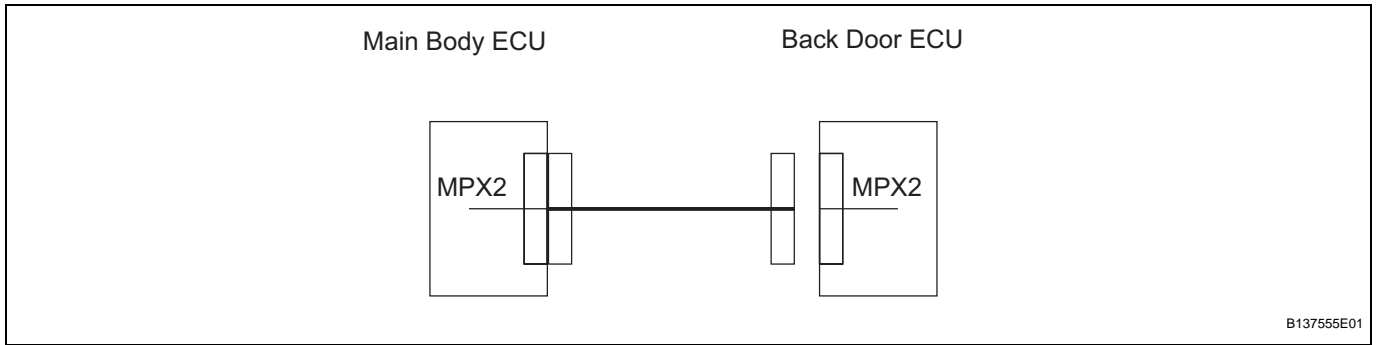
WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK DIAGNOSTIC TROUBLE CODE (BACK DOOR ECU)
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- (a) Disconnect the back door ECU connector and check for DTCs B1214 and B1215.



OK:

Neither DTC B1214 nor DTC B1215 is output.

NOTICE:

Disconnect the connector in the operational sequence, and start the next step after the connector is reconnected.

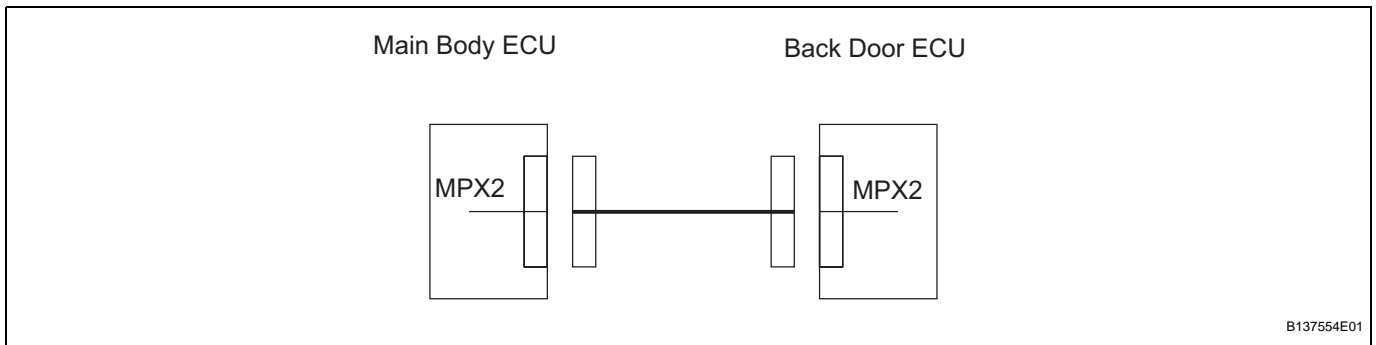
OK

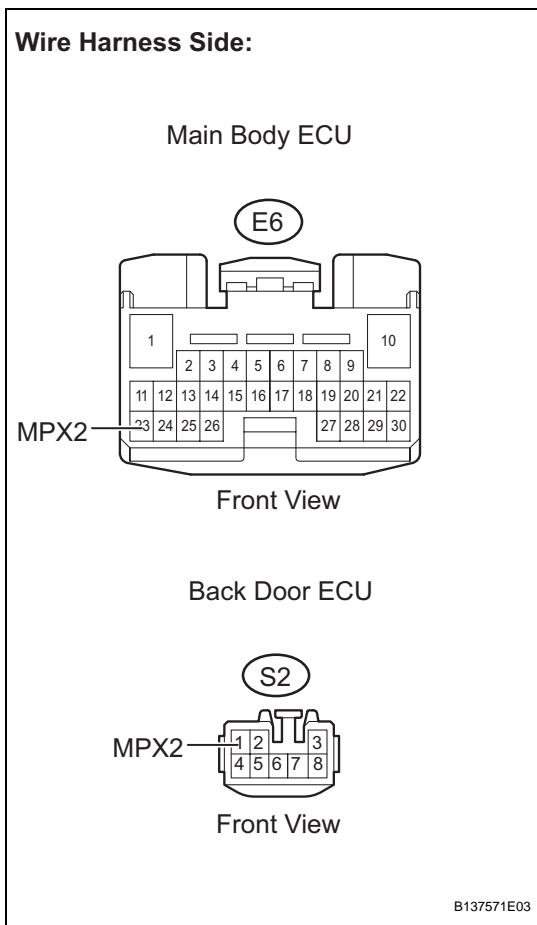
REPLACE BACK DOOR ECU

NG

2 CHECK HARNESS AND CONNECTOR (MAIN BODY ECU - BACK DOOR ECU)

(a) Check for a short-circuit in B+ or body ground.





- (b) Disconnect the S2 back door ECU connector and E6 main body ECU connector.
 - (1) Measure the voltage between the terminals of the S2 back door ECU or E6 main body ECU connector and body ground.

Standard voltage

Tester Connection	Condition	Specified Condition
E6-23 (MPX2) or S2-1 (MPX2) - Body ground	Ignition switch ON	Below 1 V

- (2) Check the resistance.

Standard resistance

Tester Connection	Specified Condition
E6-23 (MPX2) or S2-1 (MPX2) - Body ground	10 kΩ or higher

- (c) Reconnect the back door ECU connector and main body ECU connector.

NG → **REPAIR OR REPLACE WIRE HARNESS BETWEEN MAIN BODY ECU AND BACK DOOR ECU**

OK

REPLACE MAIN BODY ECU