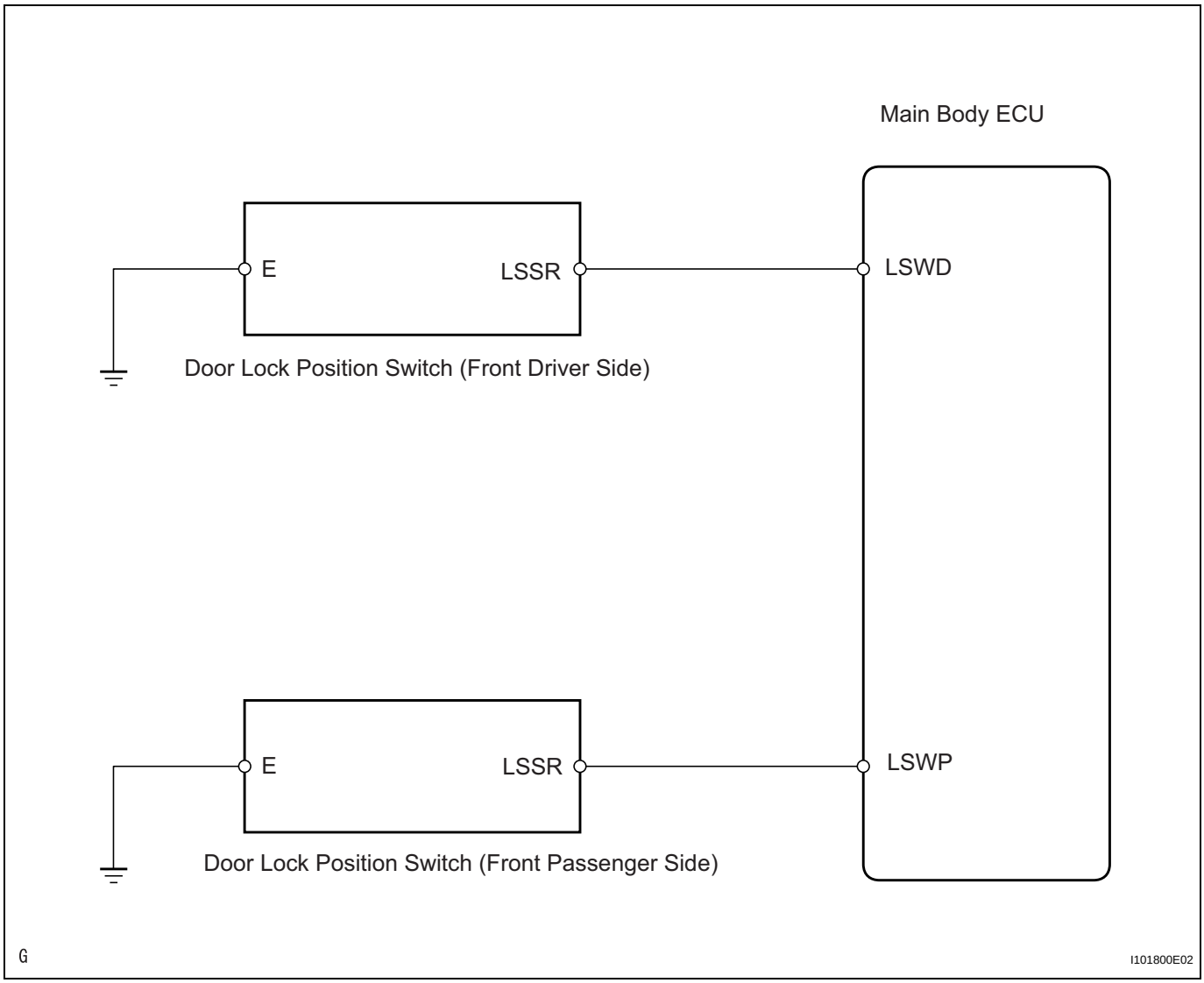
Door LOCK Position Circuit

DESCRIPTION

This circuit detects the state of the door lock detection sensor and sends it to the main body ECU.

WIRING DIAGRAM



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INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER (DOOR LOCK POSITION)

(a) Connect the intelligent tester (with CAN VIM) to the DLC3.
(b) Turn the ignition switch to the ON position and press the intelligent tester main switch ON.
(c) Select the items below in the DATA LIST, and read the displays on the intelligent tester.

Main body ECU

Item	Measurement item/Display (Range)	Normal Condition	Diagnostic Note
D LOCK POS SW	Driver's door lock position switch signal/ON or OFF	ON: Door lock is in unlock position OFF: Door lock is in lock position	-
P LOCK POS SW	Front passenger's door lock position switch signal/ON or OFF	ON: Front passenger's door lock is in unlock position OFF: Front passenger's door lock is in lock position	-

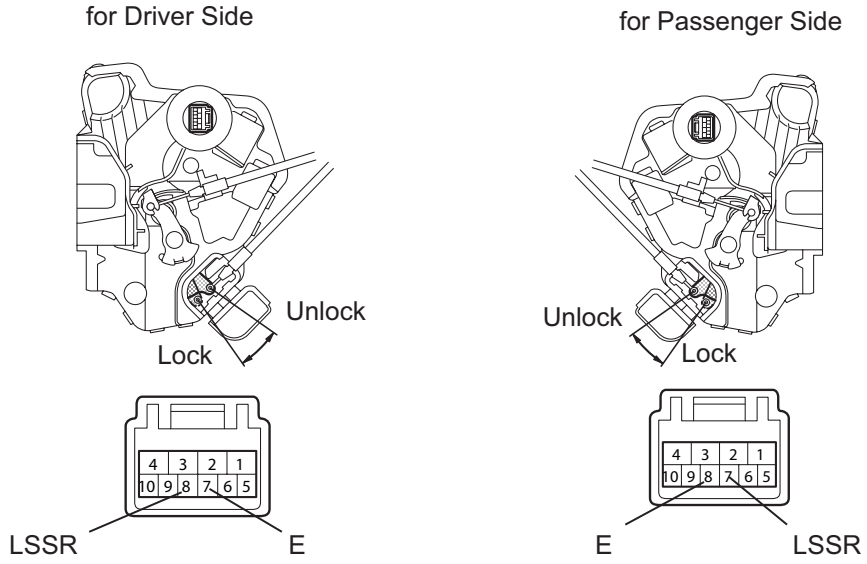
OK:
Condition sign can be displayed.

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**

NG

2 INSPECT FRONT DOOR LOCK

Door Lock



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(a) Remove the front door lock (driver side or passenger side).
(b) Measure the resistance of the door lock.
Standard resistance:
Front door lock (for Driver Side)

Tester Connection	Condition	Specified Condition
8 (LSSR) - 7 (E)	LOCK	Below 1 Ω
	UNLOCK	10 kΩ or higher

Front door lock (for Passenger Side)

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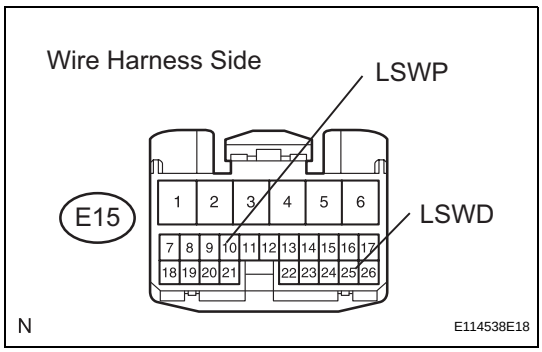
Tester Connection	Condition	Specified Condition
7 (LSSR) - 8 (E)	LOCK	Below 1 Ω
	UNLOCK	10 kΩ or higher

NG → **REPLACE FRONT DOOR LOCK ASSEMBLY**

OK

3 CHECK WIRE HARNESS (MAIN BODY ECU - DOOR LOCK AND BODY GROUND)



(a) Disconnect the E15 main body ECU connector.
(b) Measure the resistance of the wire harness side connector.

Standard resistance:

Front door lock (for Driver Side)

Tester Connection	Condition	Specified Condition
E15-25 (LSWD) - Body ground	LOCK	Below 1 Ω
	UNLOCK	10 kΩ or higher

Front door lock (for Passenger Side)

Tester Connection	Condition	Specified Condition
E15-10 (LSWP) - Body ground	LOCK	Below 1 Ω
	UNLOCK	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

REPLACE INSTRUMENT PANEL JUNCTION BLOCK (MAIN BODY ECU)