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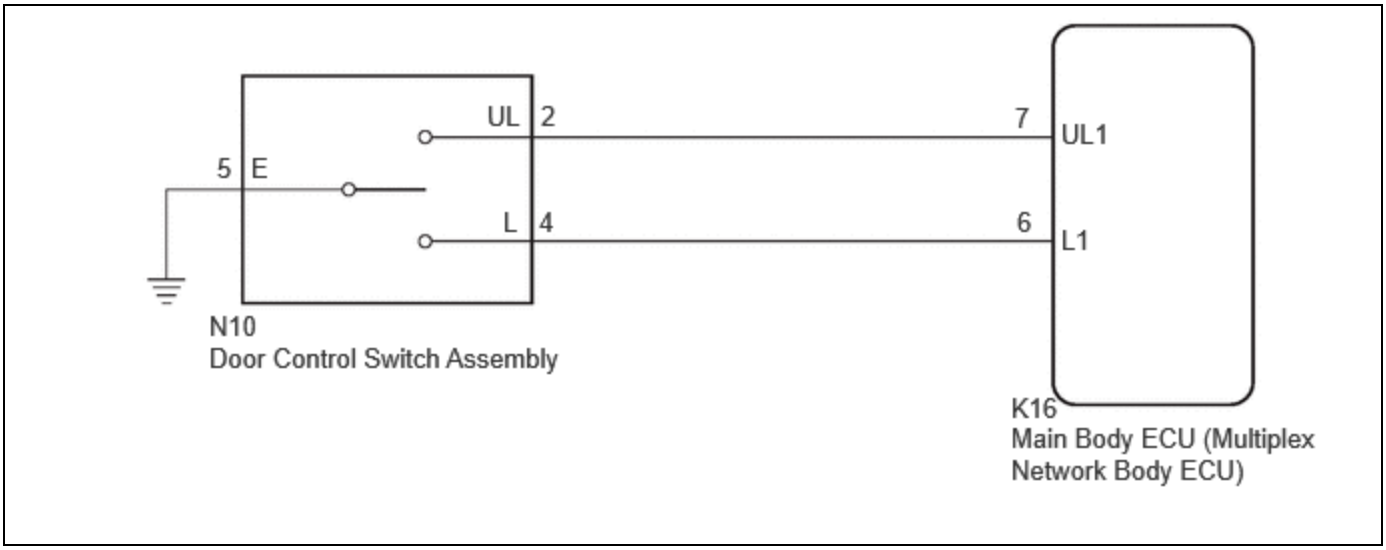
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: DOOR LOCK: POWER DOOR LOCK CONTROL SYSTEM: All Doors LOCK/UNLOCK Functions do not Operate Via Door Control Switch; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

All Doors LOCK/UNLOCK Functions do not Operate Via Door Control Switch

DESCRIPTION

The main body ECU (multiplex network body ECU) receives switch signals from the door control switch assembly and activates the door lock motor on each door according to these signals.

WIRING DIAGRAM



CAUTION / NOTICE / HINT

NOTICE:

Before replacing the main body ECU (multiplex network body ECU), refer to Registration.

Click here INFO

PROCEDURE

1.	**READ VALUE USING GTS**

(a) Read the Data List according to the display on the GTS.

Body Electrical > Main Body > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Manual Door Lock Switch (D/P Door)	Door control switch assembly lock signal	OFF or ON	OFF: Lock switch of door control switch assembly not pushed ON: Lock switch of door control switch assembly pushed	-
Manual Door Unlock Switch (D/P Door)	Door control switch assembly unlock signal	OFF or ON	OFF: Unlock switch of door control switch assembly not pushed ON: Unlock switch of door control switch assembly pushed	-

Body Electrical > Main Body > Data List

TESTER DISPLAY
Manual Door Lock Switch (D/P Door)
Manual Door Unlock Switch (D/P Door)

OK:
The GTS indicates ON or OFF according to the switch operation shown in the table.

OK ▶ **REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)** INFO

NG
▼

2.	**INSPECT DOOR CONTROL SWITCH ASSEMBLY**

Click here INFO

NG ▶ **REPLACE DOOR CONTROL SWITCH ASSEMBLY**

OK
▼

3.	**CHECK HARNESS AND CONNECTOR (DOOR CONTROL SWITCH ASSEMBLY - MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU) AND BODY GROUND)**

(a) Disconnect the K16 main body ECU (multiplex network body ECU) connector.

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

Standard Resistance:

EWD INFO

Click Location & Routing(N10,K16)
Click Connector(N10)
Click Connector(K16)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
N10-2 (UL) - K16-7 (UL1)	Always	Below 1 Ω
N10-4 (L) - K16-6 (L1)	Always	Below 1 Ω
N10-5 (E) - Body ground	Always	Below 1 Ω
N10-2 (UL) or K16-7 (UL1) - Other terminals and body ground	Always	10 kΩ or higher
N10-4 (L) or K16-6 (L1) - Other terminals and body ground	Always	10 kΩ or higher

OK ▶ **REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)** INFO

NG ▶ **REPAIR OR REPLACE HARNESS OR CONNECTOR**