

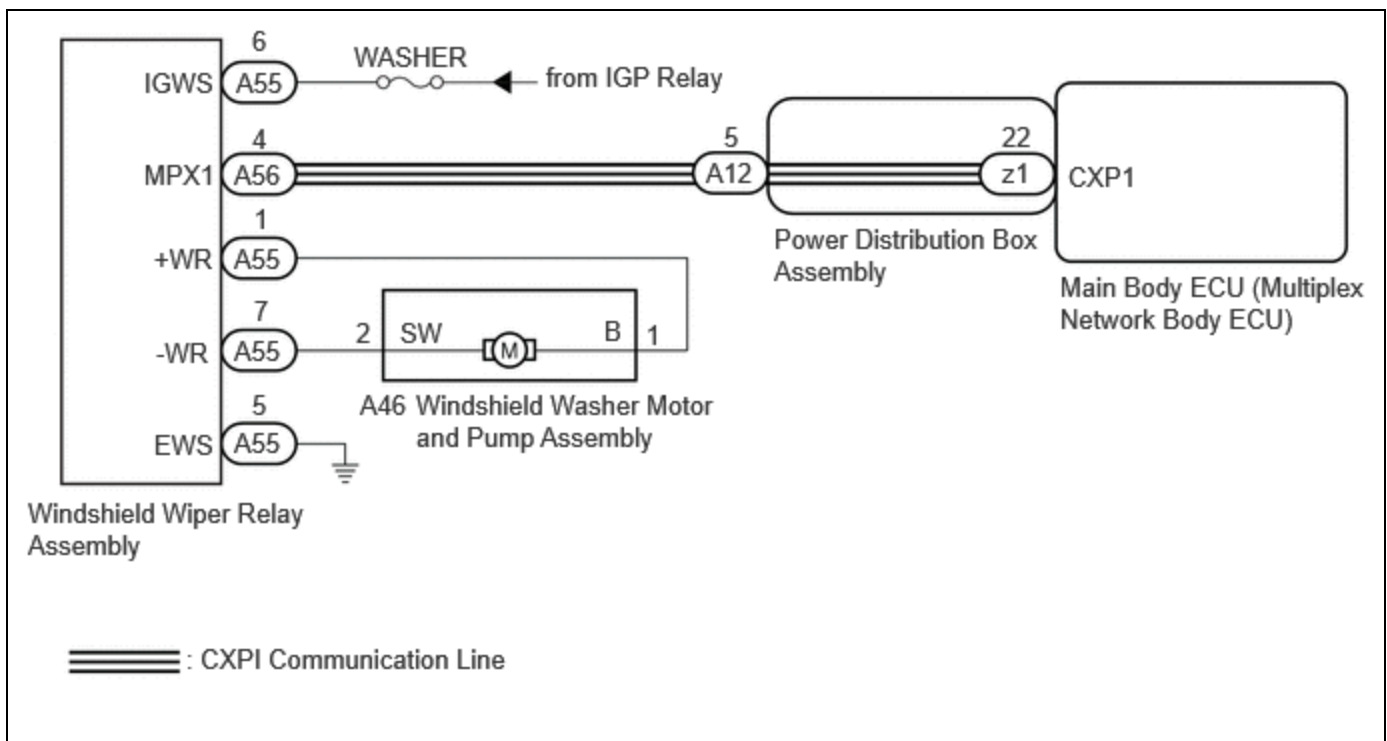
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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: WIPER / WASHER: WIPER AND WASHER SYSTEM: Washer Motor Circuit; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

Washer Motor Circuit

DESCRIPTION

When the windshield washer motor and pump assembly receives signals from the windshield wiper relay assembly, it operates to spray washer fluid from the washer nozzle sub-assemblies.

WIRING DIAGRAM



CAUTION / NOTICE / HINT

NOTICE:

Inspect the fuses for circuits related to this system before performing the following procedure.

PROCEDURE

- PERFORM ACTIVE TEST USING GTS**

(a) Perform the Active Test according to the display on the GTS.

Body Electrical > Main Body > Active Test

TESTER DISPLAY	MEASUREMENT ITEM	CONTROL RANGE	DIAGNOSTIC NOTE
Front Washer Relay	Function to operate the windshield washer motor and pump assembly (Front)	OFF or ON	-
Rear Washer Relay	Function to operate the windshield washer motor and pump assembly (Rear)	OFF or ON	-

Body Electrical > Main Body > Active Test

TESTER DISPLAY
Front Washer Relay

Body Electrical > Main Body > Active Test

TESTER DISPLAY
Rear Washer Relay

OK:

Windshield washer motor and pump assembly operates normally.

OK ▶ **PROCEED TO NEXT SUSPECTED AREA SHOWN IN PROBLEM SYMPTOMS TABLE**

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2.	INSPECT WINDSHIELD WASHER MOTOR AND PUMP ASSEMBLY
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(a) Remove the windshield washer motor and pump assembly.

Click here [INFO](#)

(b) Inspect the windshield washer motor and pump assembly.

Click here [INFO](#)

NG ▶ **REPLACE WINDSHIELD WASHER MOTOR AND PUMP ASSEMBLY**

OK**3.****CHECK HARNESS AND CONNECTOR (POWER SOURCE - WINDSHIELD WIPER RELAY ASSEMBLY)**

- (a) Disconnect the A55 windshield wiper relay assembly connector.
- (b) Measure the voltage according to the value(s) in the table below.

Standard Voltage:

[Click Location & Routing\(A55\)](#)[Click Connector\(A55\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A55-6 (IGWS) - Body ground	Ignition switch ON	11 to 14 V

NG **REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****4.****CHECK HARNESS AND CONNECTOR (WINDSHIELD WIPER RELAY ASSEMBLY - BODY GROUND)**

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

Standard Resistance:

[Click Location & Routing\(A55\)](#)[Click Connector\(A55\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A55-5 (EWS) - Body ground	Always	Below 1 Ω

NG **REPAIR OR REPLACE HARNESS OR CONNECTOR****OK**

5.

CHECK HARNESS AND CONNECTOR (WINDSHIELD WIPER RELAY ASSEMBLY - WINDSHIELD WASHER MOTOR AND PUMP ASSEMBLY)

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

Standard Resistance:


[Click Location & Routing\(A55,A46\)](#)
[Click Connector\(A55\)](#)
[Click Connector\(A46\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A55-1 (+WR) - A46-1 (B)	Always	Below 1 Ω
A55-7 (-WR) - A46-2 (SW)	Always	Below 1 Ω
A55-1 (+WR) or A46-1 (B) - Body ground	Always	10 k Ω or higher
A55-7 (-WR) or A46-2 (SW) - Body ground	Always	10 k Ω or higher

OK **REPLACE WINDSHIELD WIPER RELAY ASSEMBLY**
NG **REPAIR OR REPLACE HARNESS OR CONNECTOR**
