

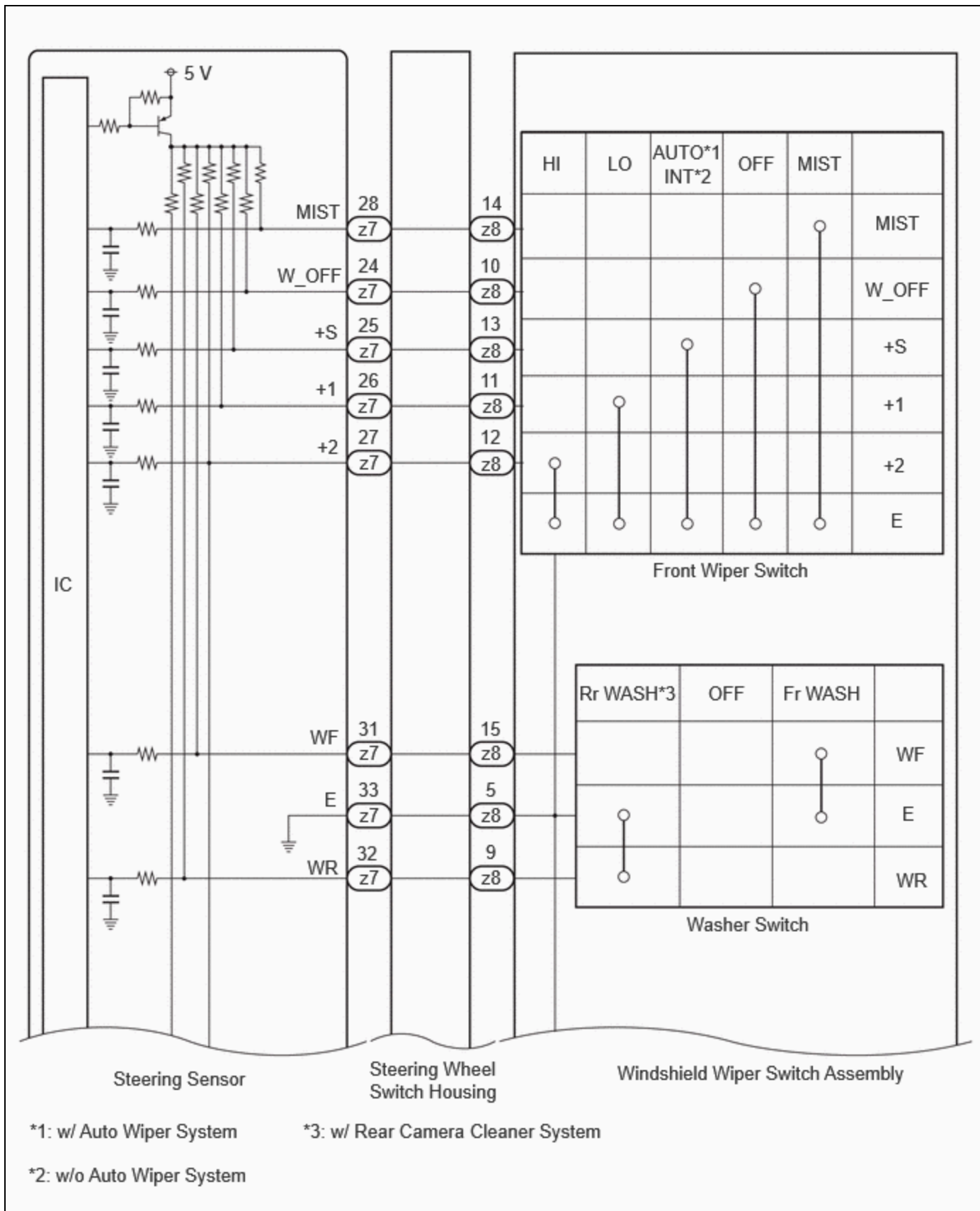
Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000029V4N
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: WIPER / WASHER: WIPER AND WASHER SYSTEM: Wiper and Washer Switch Circuit; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

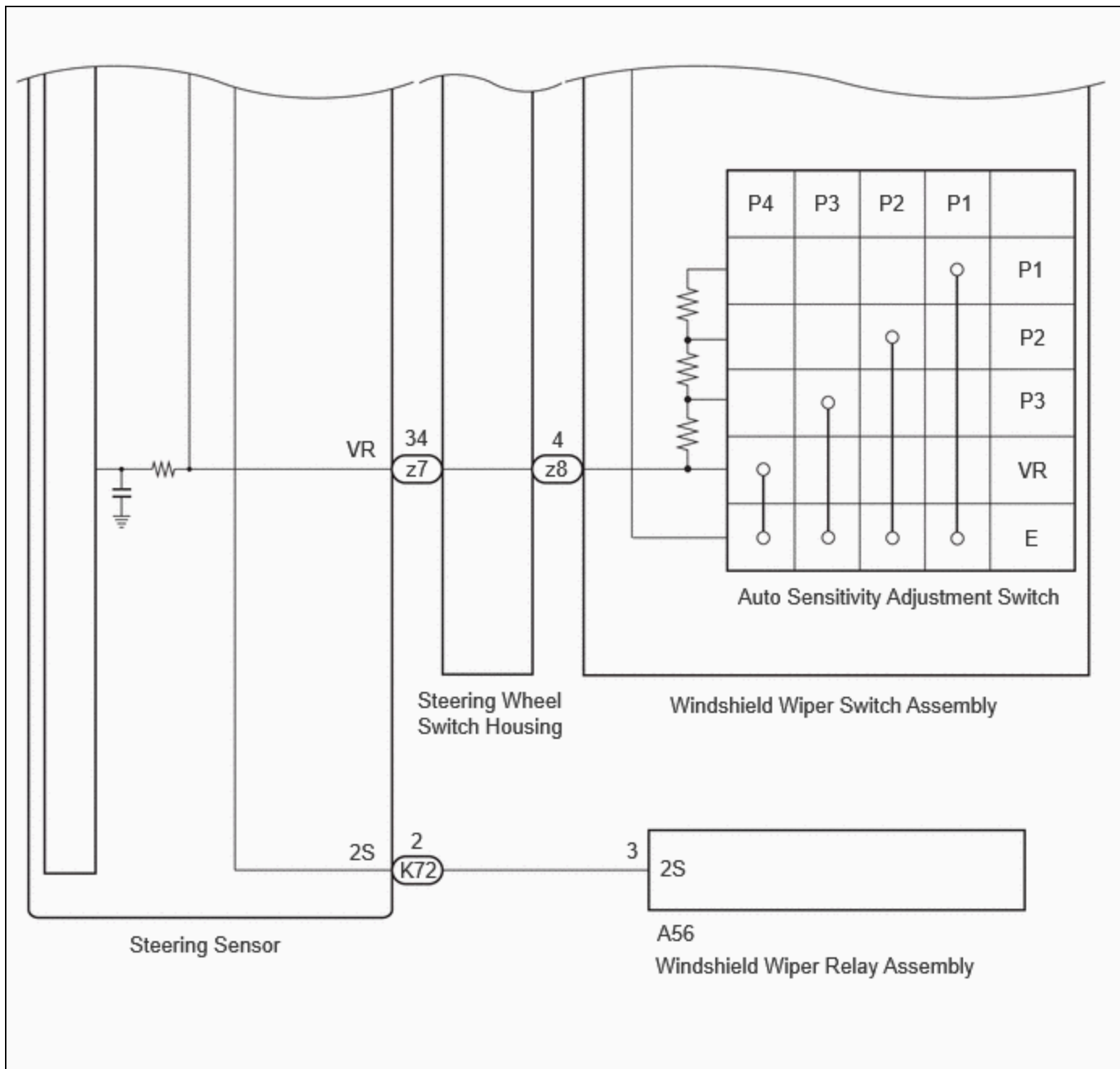
[Wiper and Washer Switch Circuit](#)

DESCRIPTION

The condition of the windshield wiper switch assembly is detected and sent to the steering sensor in this circuit.

WIRING DIAGRAM





PROCEDURE

1.	READ VALUE USING GTS
-----------	-----------------------------

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

Body Electrical > Combination Meter > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Wiper Switch	Front wiper switch OFF position signal	OFF or ON	OFF: Front wiper switch not in OFF position	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
			ON: Front wiper switch in OFF position	
Wiper Switch (AUTO/INT)	Front wiper switch AUTO*1 or INT*2 position signal	OFF or ON	OFF: Front wiper switch not in AUTO*1 or INT*2 position ON: Front wiper switch in AUTO*1 or INT*2 position	-
Wiper Switch (LO)	Front wiper switch LO position signal	OFF or ON	OFF: Front wiper switch not in LO position ON: Front wiper switch in LO position	-
Wiper Switch (HI)	Front wiper switch HI position signal	OFF or ON	OFF: Front wiper switch not in HI position ON: Front wiper switch in HI position	-
Wiper Switch (MIST)	Front wiper switch MIST position signal	OFF or ON	OFF: Front wiper switch not in MIST position ON: Front wiper switch in MIST position	-
Washer Switch	Washer switch Fr WASH position signal	OFF or ON	OFF: Washer switch not in Fr WASH position ON: Washer switch in Fr WASH position	-
Wiper Switch (Intermittent)	Front wiper switch INT position signal	OFF or ON	OFF: Front wiper switch not in INT ON: Front wiper switch in INT	*2
Rear Wiper Switch	Rear wiper switch position signal	OFF or ON	OFF: Rear wiper switch not in ON position ON: Rear wiper switch in ON position	Although this item is displayed on the GTS, it is not applicable to this vehicle.
Rear Washer Switch	Washer switch Rr WASH position signal	OFF or ON	OFF: Washer switch not in Rr WASH position ON: Washer switch in Rr WASH position	-
Wiper Speed (FAST)	Intermittent time adjustment volume condition	OFF or ON	OFF: Windshield wiper switch assembly (auto sensitivity adjustment volume condition) not in P4 position	*3

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
			ON: Windshield wiper switch assembly (auto sensitivity adjustment volume condition) in P4 position	
Wiper Speed (2nd FAST)	Intermittent time adjustment volume condition	OFF or ON	OFF: Windshield wiper switch assembly (auto sensitivity adjustment volume condition) not in P3 position ON: Windshield wiper switch assembly (auto sensitivity adjustment volume condition) in P3 position	*3
Wiper Speed (3rd FAST)	Intermittent time adjustment volume condition	OFF or ON	OFF: Windshield wiper switch assembly (auto sensitivity adjustment volume condition) not in P2 position ON: Windshield wiper switch assembly (auto sensitivity adjustment volume condition) in P2 position	*3
Wiper Speed (SLOW)	Intermittent time adjustment volume condition	OFF or ON	OFF: Windshield wiper switch assembly (auto sensitivity adjustment volume condition) not in P1 position ON: Windshield wiper switch assembly (auto sensitivity adjustment volume condition) in P1 position	*3

*1: w/ Auto Wiper System

*2: w/o Auto Wiper System

*3: Refer to Inspection for each position of the switch.

Click here [INFO](#)

Body Electrical > Combination Meter > Data List

TESTER DISPLAY
Wiper Switch
Wiper Switch (AUTO/INT)
Wiper Switch (LO)

TESTER DISPLAY
Wiper Switch (HI)
Wiper Switch (MIST)
Washer Switch
Wiper Switch (Intermittent)
Rear Wiper Switch
Rear Washer Switch
Wiper Speed (FAST)
Wiper Speed (2nd FAST)
Wiper Speed (3rd FAST)
Wiper Speed (SLOW)

OK:

The GTS display changes correctly in response to the windshield wiper switch assembly operation.

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

NG



2.	INSPECT WINDSHIELD WIPER SWITCH ASSEMBLY
-----------	---

(a) Remove the windshield wiper switch assembly.

Click here [INFO](#)

(b) Inspect the windshield wiper switch assembly.

Click here [INFO](#)

NG ► **REPLACE WINDSHIELD WIPER SWITCH ASSEMBLY**
[INFO](#)

OK
▼

3. INSPECT STEERING WHEEL SWITCH HOUSING

(a) Remove the steering wheel switch housing.

Click here [INFO](#)

(b) Inspect the steering wheel switch housing.

Click here [INFO](#)

NG ► **REPLACE STEERING WHEEL SWITCH HOUSING** [INFO](#)

OK
▼

4. CHECK HARNESS AND CONNECTOR (STEERING SENSOR - WINDSHIELD WIPER RELAY ASSEMBLY)

(a) Disconnect the A56 windshield wiper relay assembly connector.

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

Standard Resistance:



[Click Location & Routing\(K72,A56\).](#)

[Click Connector\(K72\).](#)

[Click Connector\(A56\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
K72-2 (2S) - A56-3 (2S)	Always	Below 1 Ω
K72-2 (2S) or A56-3 (2S) - Body ground	Always	10 kΩ or higher

OK ► **REPLACE WINDSHIELD WIPER RELAY ASSEMBLY** [INFO](#)

NG ► **REPAIR OR REPLACE HARNESS OR CONNECTOR**

