

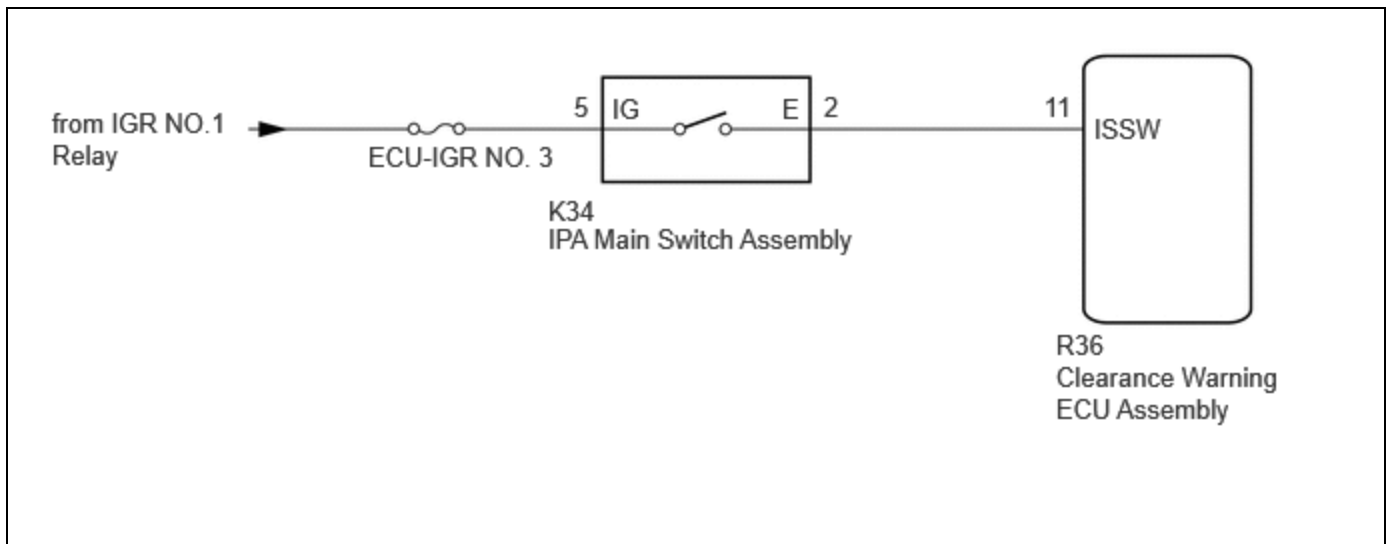
Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM1000000029C1T
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: ADVANCED PARK: ADVANCED PARK: Main Switch Circuit; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

Main Switch Circuit

DESCRIPTION

When the IPA main switch assembly is turned on, a signal is sent to the clearance warning ECU assembly. The advanced park operates according to this signal.

WIRING DIAGRAM



CAUTION / NOTICE / HINT

NOTICE:

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

PROCEDURE

1.	READ VALUE USING GTS
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(a) Read the Data List to check the ECU data.

Body Electrical > Clearance Warning > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION
Advanced Park Main Switch Press Status	IPA main switch input signals	OFF/ON	OFF: IPA main switch assembly off ON: IPA main switch assembly on

Body Electrical > Clearance Warning > Data List

TESTER DISPLAY
Advanced Park Main Switch Press Status

OK:

The Data List changes in response to the operation of the IPA main switch assembly.

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

NG



2.	INSPECT IPA MAIN SWITCH ASSEMBLY
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Click here [INFO](#)

NG ▶ **REPLACE IPA MAIN SWITCH ASSEMBLY**

OK



3.	CHECK HARNESS AND CONNECTOR (IPA MAIN SWITCH ASSEMBLY - CLEARANCE WARNING ECU ASSEMBLY)
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- (a) Disconnect the K34 IPA main switch assembly connector.
- (b) Disconnect the R36 clearance warning ECU assembly connector.
- (c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



- [Click Location & Routing\(R36,K34\)](#)
- [Click Connector\(R36\)](#)
- [Click Connector\(K34\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
R36-11 (ISSW) - K34-2 (E)	Always	Below 1 Ω
R36-11 (ISSW) or K34-2 (E) - Body ground	Always	10 kΩ or higher

NG ▶ REPAIR OR REPLACE HARNESS OR CONNECTOR

OK
▼

4.	CHECK HARNESS AND CONNECTOR (IPA MAIN SWITCH ASSEMBLY - AUXILIARY BATTERY)
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- (a) Disconnect the K34 IPA main switch assembly connector.
- (b) Measure the voltage according to the value(s) in the table below.

Standard Voltage:



[Click Location & Routing\(K34\).](#)
[Click Connector\(K34\).](#)

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
K34-5 (IG) - Body ground	Ignition switch ON	11 to 14 V
K34-5 (IG) - Body ground	Ignition switch off	Below 1 V

OK ▶ REPLACE CLEARANCE WARNING ECU ASSEMBLY

NG ▶ REPAIR OR REPLACE HARNESS OR CONNECTOR

