

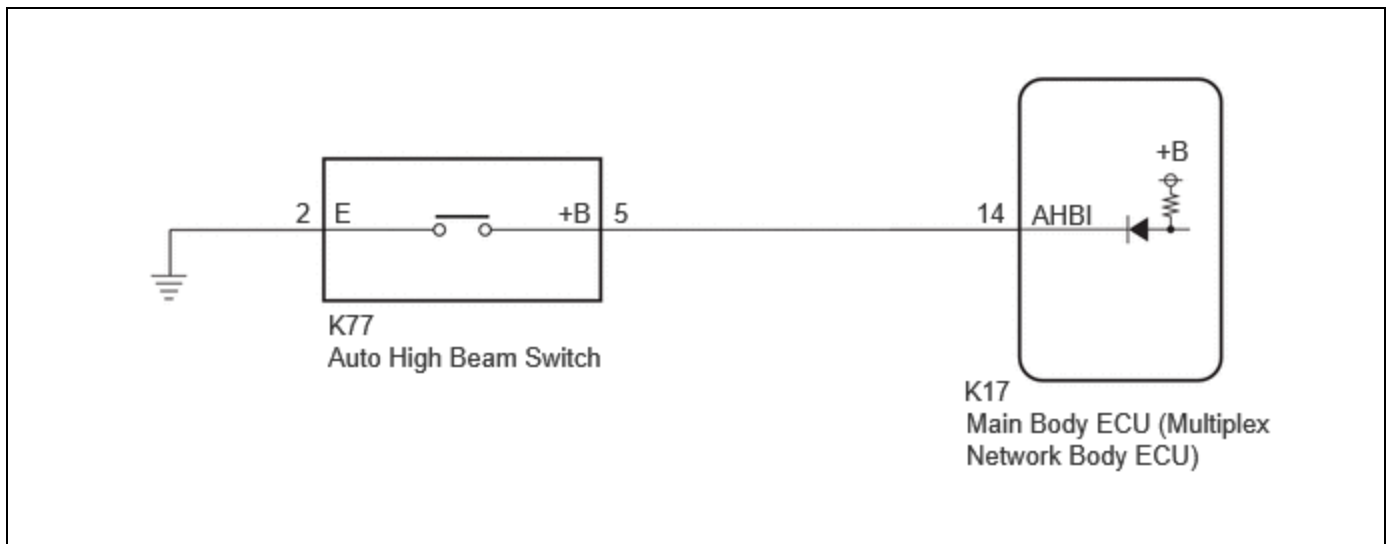
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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> ADVANCED DRIVER ASSISTANCE SYSTEM: AUTOMATIC HIGH BEAM SYSTEM: Automatic High Beam Switch Circuit; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

**Automatic High Beam Switch Circuit**

**DESCRIPTION**

The main body ECU (multiplex network body ECU) detects the ON/OFF signal of the auto high beam switch.

**WIRING DIAGRAM**



**CAUTION / NOTICE / HINT**

**NOTICE:**

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

Click here [INFO](#)

**PROCEDURE**

<b>1.</b>	<b>READ VALUE USING GTS</b>
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(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
Auto High Beam Main Switch	Auto high beam switch signal	OFF or ON	OFF: Auto high beam switch not pressed	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
			ON: Auto high beam switch pressed	

**Body Electrical > Main Body > Data List**

TESTER DISPLAY
Auto High Beam Main Switch

OK:  
Normal conditions listed above are displayed.

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

**NG**  
▼

<b>2.</b>	<b>INSPECT AUTO HIGH BEAM SWITCH</b>
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Click here [INFO](#)

**NG** ▶ **REPLACE AUTO HIGH BEAM SWITCH**

**OK**  
▼

<b>3.</b>	<b>CHECK HARNESS AND CONNECTOR (AUTO HIGH BEAM SWITCH - MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU) AND BODY GROUND)</b>
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- (a) Disconnect the K17 main body ECU (multiplex network body ECU) connector.
- (b) Measure the resistance according to the value(s) in the table below.  
Standard Resistance:



- [Click Location & Routing\(K77,K17\).](#)
- [Click Connector\(K77\).](#)
- [Click Connector\(K17\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
K77-5 (+B) - K17-14 (AHBI)	Always	Below 1 $\Omega$
K77-5 (+B) or K17-14 (AHBI) - Body ground	Always	10 k $\Omega$ or higher
K77-2 (E) - Body ground	Always	Below 1 $\Omega$

**OK** ► **REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)** 

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

