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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: LIGHTING (EXT): HEADLIGHT DIMMER SWITCH: INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

INSPECTION

PROCEDURE

1. INSPECT TURN SIGNAL SWITCH

(a) Resistance Check

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

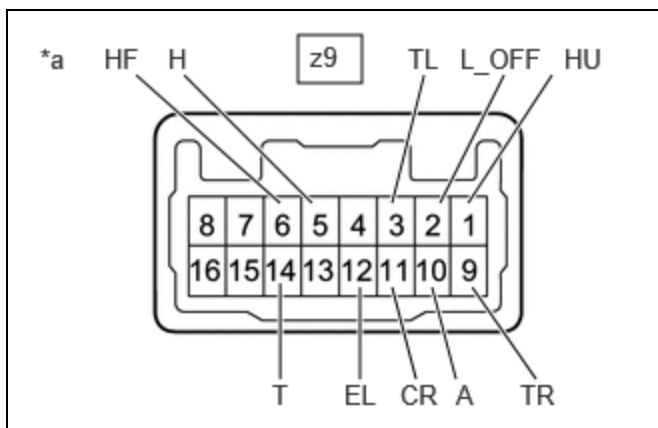
Standard Resistance:

Light Control Switch



[Click Location & Routing\(z9\)](#)

[Click Connector\(z9\)](#)



*a Component without harness connected (Turn Signal Switch)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
z9-2 (L_OFF) - z9-12 (EL)	Light control switch in DRL OFF position*1	Below 1 Ω	Ω
z9-2 (L_OFF) - z9-12 (EL)	Light control switch in OFF position*2	Below 1 Ω	Ω
z9-10 (A) - z9-12 (EL)	Light control switch in AUTO position	Below 1 Ω	Ω
z9-14 (T) - z9-12 (EL)	Light control switch in tail position	Below 1 Ω	Ω
z9-5 (H) - z9-12 (EL)	Light control switch in head position	Below 1 Ω	Ω
*1: w/ Light Control Switch DRL OFF Position			
*2: w/ Light Control Switch OFF Position			

Dimmer Passing Switch



[Click Location & Routing\(z9\)](#)

[Click Connector\(z9\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
z9-6 (HF) - z9-12 (EL)	Dimmer switch in high flash position	Below 1 Ω	Ω
z9-1 (HU) - z9-12 (EL)	Dimmer switch in high position	Below 1 Ω	Ω

Turn Signal Switch[Click Location & Routing\(z9\)](#)[Click Connector\(z9\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
z9-9 (TR) - z9-12 (EL)	Turn signal switch in neutral position	10 k Ω or higher	k Ω
z9-3 (TL) - z9-12 (EL)	Turn signal switch in neutral position	10 k Ω or higher	k Ω
z9-9 (TR) - z9-12 (EL)	Turn signal switch in right turn position	Below 1 Ω	Ω
z9-9 (TR) - z9-12 (EL)	Turn signal switch in full right turn position	Below 1 Ω	Ω
z9-9 (TR) - z9-11 (CR)	Turn signal switch in full right turn position	Below 1 Ω	Ω
z9-11 (CR) - z9-12 (EL)	Turn signal switch in full right turn position	Below 1 Ω	Ω
z9-3 (TL) - z9-12 (EL)	Turn signal switch in left turn position	Below 1 Ω	Ω
z9-3 (TL) - z9-12 (EL)	Turn signal switch in full left turn position	Below 1 Ω	Ω

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
z9-3 (TL) - z9-11 (CR)	Turn signal switch in full left turn position	Below 1 Ω	Ω
z9-11 (CR) - z9-12 (EL)	Turn signal switch in full left turn position	Below 1 Ω	Ω

If the result is not as specified, replace the turn signal switch.

HINT:

- The left turn or right turn condition indicates a condition in which the turn signal switch will return to the neutral position after releasing your hand from the turn signal switch (turn signal switch is operated approximately 6.3°).
- The full left turn or full right turn condition indicates a condition in which the turn signal switch will not return to the neutral position after releasing your hand from the turn signal switch (turn signal switch is operated 10.5°).

