

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM1000000029TKQ
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: STEERING COLUMN: STEERING PAD SWITCH: INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

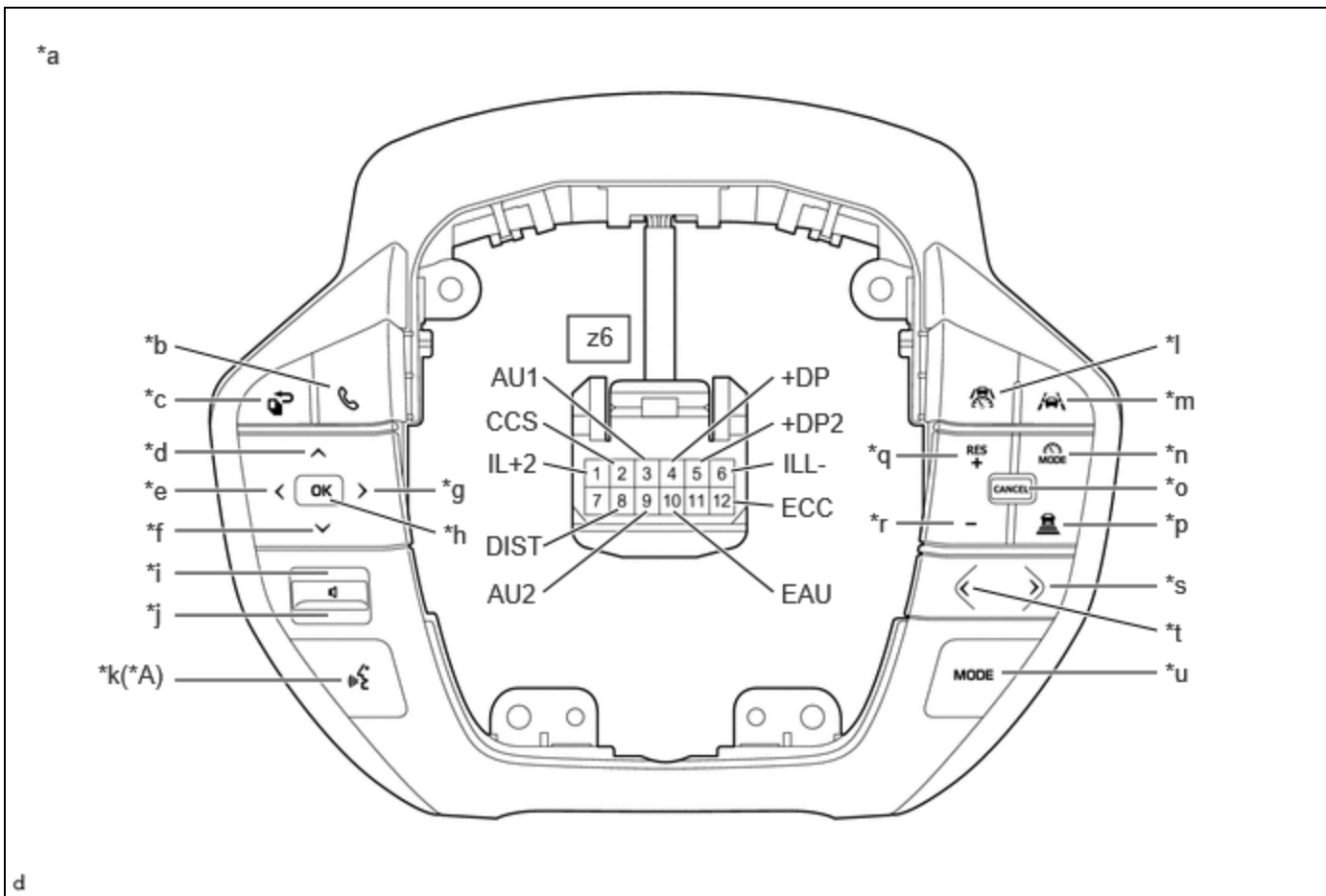
INSPECTION

PROCEDURE

1. INSPECT STEERING PAD SWITCH ASSEMBLY

(a) Check the resistance.

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



*A	w/ Voice Recognition Function	-	-
*a	Component without harness connected (Steering Pad Switch Assembly)	*b	On/off Hook
*c	Back	*d	Up
*e	Left	*f	Down
*g	Right	*h	OK
*i	Volume+	*j	Volume-
*k	Voice	*l	Driving Assist (Cruise Control Main)
*m	Lane Tracing Assist	*n	Driving Assist Mode Select

*o	CANCEL	*p	Distance Control
*q	+RES	*r	-SET
*s	Seek+	*t	Seek-
*u	MODE	-	-

Standard Resistance:



[Click Location & Routing\(z6\)](#)

[Click Connector\(z6\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
z6-3 (AU1) - z6-10 (EAU)	No switch pushed	95 to 105 kΩ	kΩ
z6-3 (AU1) - z6-10 (EAU)	Seek+ switch pushed	Below 2.5 Ω	Ω
z6-3 (AU1) - z6-10 (EAU)	Seek- switch pushed	313 to 345 Ω	Ω
z6-3 (AU1) - z6-10 (EAU)	Volume+ switch pushed	950 to 1050 Ω	Ω
z6-3 (AU1) - z6-10 (EAU)	Volume- switch pushed	2955 to 3265 Ω	Ω
z6-9 (AU2) - z6-10 (EAU)	No switch pushed	95 to 105 kΩ	kΩ
z6-9 (AU2) - z6-10 (EAU)	MODE switch pushed	Below 2.5 Ω	Ω
z6-9 (AU2) - z6-10 (EAU)	On/off hook switch pushed	950 to 1050 Ω	Ω
z6-9 (AU2) - z6-10 (EAU)	Voice switch pushed	2955 to 3265 Ω	Ω
z6-4 (+DP) - z6-10 (EAU)	No switch pushed	95 to 105 kΩ	kΩ
z6-4 (+DP) - z6-10 (EAU)	OK switch pushed	Below 2.5 Ω	Ω
z6-4 (+DP) - z6-10 (EAU)	Back switch pushed	313 to 345 Ω	Ω
z6-5 (+DP2) - z6-10 (EAU)	No switch pushed	95 to 105 kΩ	kΩ
z6-5 (+DP2) - z6-10 (EAU)	Left switch pushed	Below 2.5 Ω	Ω
z6-5 (+DP2) - z6-10 (EAU)	Up switch pushed	313 to 345 Ω	Ω
z6-5 (+DP2) - z6-10 (EAU)	Down switch pushed	950 to 1050 Ω	Ω
z6-5 (+DP2) - z6-10 (EAU)	Right switch pushed	2955 to 3265 Ω	Ω
z6-8 (DIST) - z6-12 (ECC)	No switch pushed	1 MΩ or higher	MΩ
z6-8 (DIST) - z6-12 (ECC)	Driving assist mode select switch pushed	Below 2.5 Ω	Ω
z6-8 (DIST) - z6-12 (ECC)	Lane tracing assist switch pushed	114 to 126 Ω	Ω
z6-8 (DIST) - z6-12 (ECC)	Distance control switch pushed	485 to 535 Ω	Ω
z6-2 (CCS) - z6-12 (ECC)	No switch pushed	1 MΩ or higher	MΩ
z6-2 (CCS) - z6-12 (ECC)	Driving assist (cruise control main) switch pushed	Below 2.5 Ω	Ω
z6-2 (CCS) - z6-12 (ECC)	CANCEL switch pushed	228 to 252 Ω	Ω
z6-2 (CCS) - z6-12 (ECC)	+RES switch pushed	599 to 661 Ω	Ω
z6-2 (CCS) - z6-12 (ECC)	-SET switch pushed	1463 to 1617 Ω	Ω

(2) If the result is not as specified, replace the steering pad switch assembly.

(b) Check the illumination.

(1) Apply auxiliary battery voltage to the steering pad switch assembly and check that the illumination.

OK:



[Click Location & Routing\(z6\)](#)

[Click Connector\(z6\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
z6-1 (IL+2) - z6-6 (ILL-)	z6-1 (IL+2) - Auxiliary battery positive (+) z6-6 (ILL-) - Auxiliary battery negative (-)	The steering pad switch assembly illumination illuminates.

(2) If the result is not as specified, replace the steering pad switch assembly.

