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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> DOOR / HATCH: FUEL LID OPENER MOTOR ASSEMBLY: INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## INSPECTION

### PROCEDURE

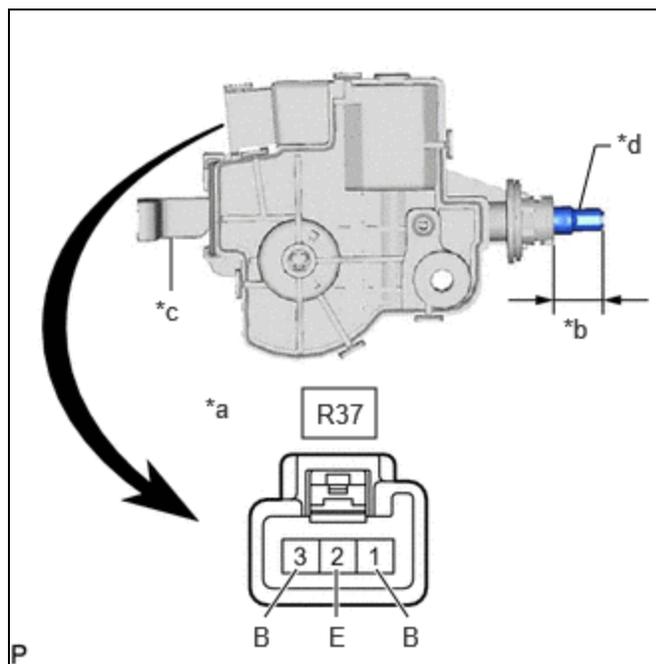
#### 1. INSPECT FUEL LID LOCK WITH MOTOR ASSEMBLY (for 2ZR-FXE)

(a) Check the operation of the fuel lid lock with motor assembly (motor operation).

(1) Apply auxiliary battery voltage to the fuel lid lock with motor assembly connector, and check the operation of the fuel lid lock with motor assembly.

Standard:

AUXILIARY BATTERY CONNECTION	SPECIFIED CONDITION
Auxiliary battery positive (+) → Terminal R37-1 (B)	16.05 mm (0.632 in.)
Auxiliary battery negative (-) → Terminal R37-2 (E)	



If the result is not as specified, replace the fuel lid lock with motor assembly.

*a	Component without harness connected (Fuel Lid Lock with Motor Assembly)
*b	Shaft Stroke
*c	Lever
*d	Shaft

(b) Measure the shaft stroke.

Standard:

AREA	CONDITION	SPECIFIED CONDITION
Shaft stroke	Lever pulled	16.05 mm (0.632 in.)

If the result is not as specified, replace the fuel lid lock with motor assembly.

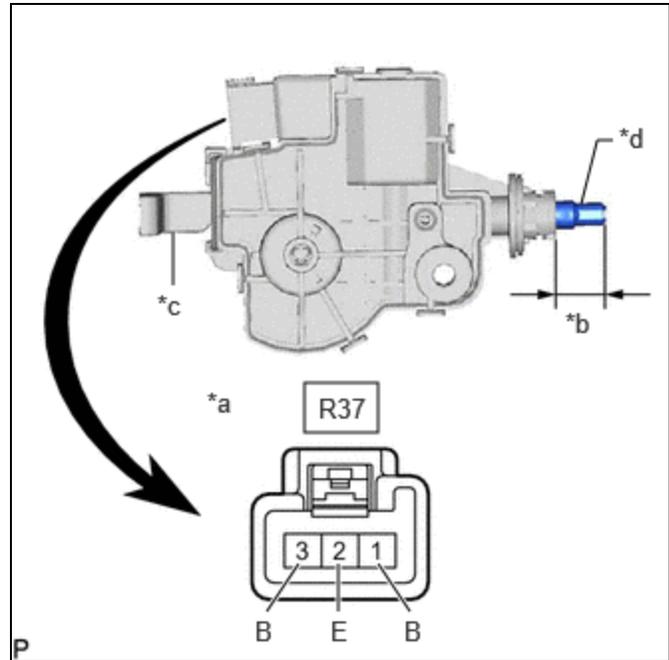
#### 2. INSPECT FUEL LID LOCK WITH MOTOR ASSEMBLY (for M20A-FXS)

(a) Check the operation of the fuel lid lock with motor assembly (motor operation).

(1) Apply auxiliary battery voltage to the fuel lid lock with motor assembly connector, and check the operation of the fuel lid lock with motor assembly.

Standard:

AUXILIARY BATTERY CONNECTION	SPECIFIED CONDITION
Auxiliary battery positive (+) → Terminal R37-1 (B)	16.05 mm (0.632 in.)
Auxiliary battery negative (-) → Terminal R37-2 (E)	



If the result is not as specified, replace the fuel lid lock with motor assembly.

*a	Component without harness connected (Fuel Lid Lock with Motor Assembly)
*b	Shaft Stroke
*c	Lever
*d	Shaft

(b) Check the operation of the fuel lid lock with motor assembly (fuel lid courtesy switch).

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

Standard Resistance:



[Click Location & Routing\(R37\).](#)

[Click Connector\(R37\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
R37-2 (E) - R37-3 (B)	Shaft not pushed (ON)	Below 1 Ω	Ω
R37-2 (E) - R37-3 (B)	Shaft pushed (OFF)	10 kΩ or higher	kΩ

If the result is not as specified, replace the fuel lid lock with motor assembly.

(c) Measure the shaft stroke.

Standard:

AREA	CONDITION	SPECIFIED CONDITION
Shaft stroke	Lever pulled	16.05 mm (0.632 in.)

If the result is not as specified, replace the fuel lid lock with motor assembly.

