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Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: M20A-FXS (ENGINE CONTROL): RELAY: ON-VEHICLE INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

ON-VEHICLE INSPECTION

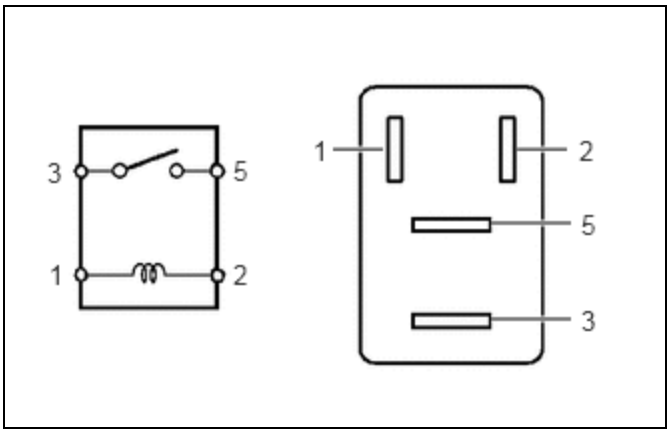
PROCEDURE

1. INSPECT NO. 1 ELECTRONIC FUEL INJECTION MAIN RELAY (EFI-MAIN NO.1)

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
3 - 5	Auxiliary battery voltage is not applied between terminals 1 and 2	10 kΩ or higher	kΩ
3 - 5	Auxiliary battery voltage is applied between terminals 1 and 2	Below 1 Ω	Ω



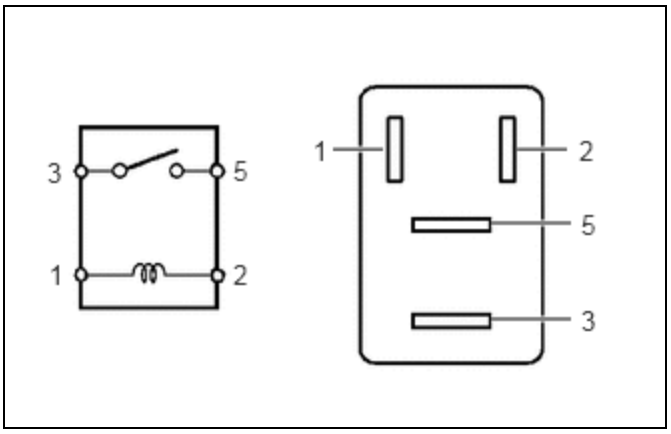
If the result is not as specified, replace the No. 1 electronic fuel injection main relay (EFI-MAIN NO.1).

2. INSPECT NO. 2 ELECTRONIC FUEL INJECTION MAIN RELAY (EFI-MAIN NO.2)

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
3 - 5	Auxiliary battery voltage is not applied between terminals 1 and 2	10 kΩ or higher	kΩ
3 - 5	Auxiliary battery voltage is applied between	Below 1 Ω	Ω



TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
	terminals 1 and 2		

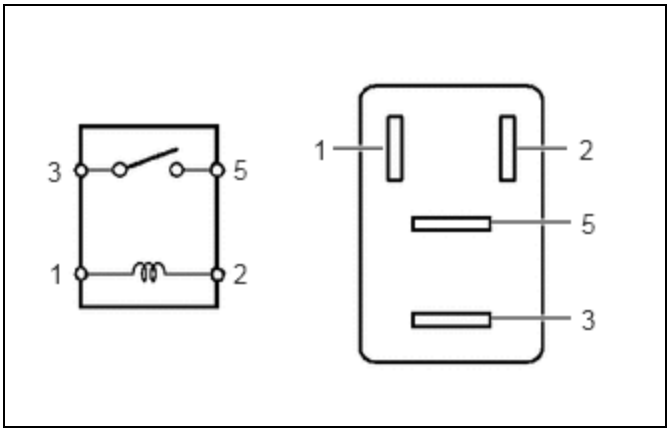
If the result is not as specified, replace the No. 2 electronic fuel injection main relay (EFI-MAIN NO.2).

3. INSPECT NO. 3 ELECTRONIC FUEL INJECTION MAIN RELAY (EFI-MAIN NO.3)

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
3 - 5	Auxiliary battery voltage is not applied between terminals 1 and 2	10 kΩ or higher	kΩ
3 - 5	Auxiliary battery voltage is applied between terminals 1 and 2	Below 1 Ω	Ω



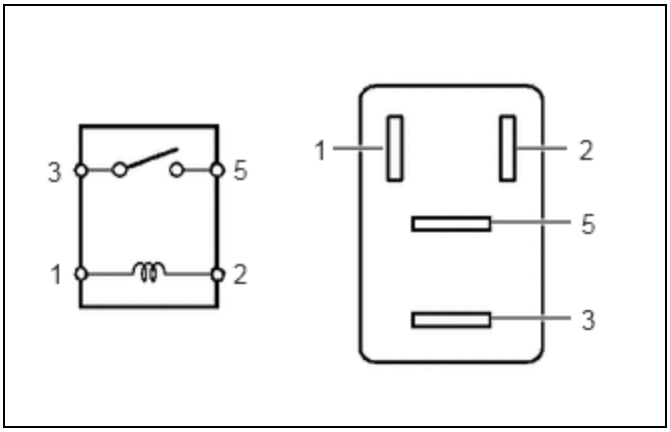
If the result is not as specified, replace the No. 3 electronic fuel injection main relay (EFI-MAIN NO.3).

4. INSPECT INJECTOR RELAY (D INJ)

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
3 - 5	Auxiliary battery voltage is not applied between terminals 1 and 2	10 kΩ or higher	kΩ
3 - 5	Auxiliary battery voltage is applied between	Below 1 Ω	Ω



TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
	terminals 1 and 2		

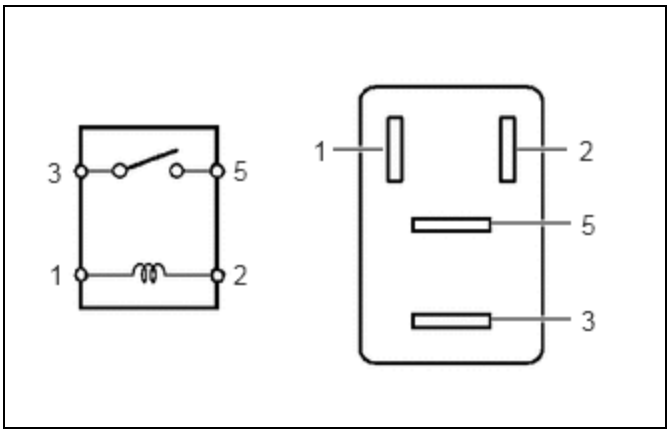
If the result is not as specified, replace the injector relay (D INJ).

5. INSPECT VVT RELAY (VVT)

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
3 - 5	Auxiliary battery voltage is not applied between terminals 1 and 2	10 kΩ or higher	kΩ
3 - 5	Auxiliary battery voltage is applied between terminals 1 and 2	Below 1 Ω	Ω



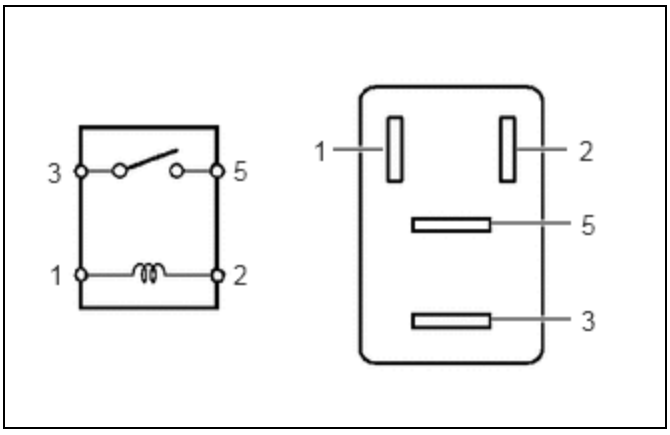
If the result is not as specified, replace the VVT relay (VVT).

6. INSPECT IGP RELAY (IGP)

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
3 - 5	Auxiliary battery voltage is not applied between terminals 1 and 2	10 kΩ or higher	kΩ
3 - 5	Auxiliary battery voltage is applied between terminals 1 and 2	Below 1 Ω	Ω



If the result is not as specified, replace the IGP relay (IGP).