

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000002BH7Y
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: SPECIFICATIONS: M20A-FXS FUEL: SERVICE DATA; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

SERVICE DATA

FUEL SYSTEM

Fuel pressure	Standard fuel pressure	300 to 640 kPa (3.1 to 6.5 kgf/cm ² , 44 to 93 psi)
	Standard fuel pressure (high pressure side)	3000 to 25000 kPa at 2500 rpm (shift lever in P, engine warmed up, A/C off and injection mode direct)
Fuel pressure: for 5 minutes after engine has stopped	Standard fuel pressure	98 kPa (1.0 kgf/cm ² , 14.2 psi) or higher

FUEL INJECTOR (for Port Injection)

Port fuel injector assembly	Standard resistance	11.6 to 12.4 Ω at 20°C (68°F)
	Standard injection volume	67 to 81 cc (4.1 to 4.9 cu.in.) per 15 seconds
	Difference between each port fuel injector assembly	14 cc (0.9 cu.in.) or less
	Standard fuel drop	1 drop or less per 20 minutes

FUEL INJECTOR (for Direct Injection)

Direct fuel injector assembly	Standard resistance	1.34 to 1.64 Ω at 20°C (68°F)
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FUEL PRESSURE SENSOR

No. 2 fuel pressure sensor	Standard voltage	2 (PFL) - 3 (E2)	Approximately 0.57 to 0.95 V
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FUEL PRESSURE SENSOR (for High Pressure)

Fuel pressure sensor	Standard voltage	3 (PR) - 2 (E2)	Approximately 0.4 to 0.6 V
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FUEL PUMP

Fuel pump (for HEV Model) Fuel pump with filter assembly (for PHEV Model)	Standard resistance	U - V	0.05 to 3.0 Ω
		V - W	0.05 to 3.0 Ω
		U - W	0.05 to 3.0 Ω

FUEL PUMP (for High Pressure)

Fuel (engine room side) pump assembly	Standard resistance	0.45 to 0.55 Ω at 20°C (68°F)
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FUEL SENDER GAUGE ASSEMBLY (for HEV Model)

Fuel sender gauge assembly	Standard voltage	4.255 to 4.605 V (Float level F)
		0.345 to 4.605 V (Float level F to E)
		0.345 to 0.695 V (Float level E)

FUEL SENDER GAUGE ASSEMBLY (for PHEV Model)

Fuel sender gauge assembly	Standard voltage	4.230 to 4.570 V (Float level F)
		0.380 to 4.570 V (Float level F to E)
		0.380 to 0.720 V (Float level E)

