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

ON-VEHICLE INSPECTION

PROCEDURE

1. CHECK ENGINE OIL LEVEL

Pre-procedure1

- (a) Put the engine in inspection mode (Maintenance Mode).

Powertrain > Hybrid Control > Utility



- (b) Warm up and stop the engine, then wait for 5 minutes.

Procedure1

- (c) Check that the engine oil level is between the low level and refill upper limit marks on the engine oil level dipstick.

If the level is low, check for engine oil leaks and add engine oil to the refill upper limit mark.

NOTICE:

Do not fill to above the refill upper limit mark.

HINT:

A certain amount of engine oil will be consumed while driving. In the following situations, engine oil consumption may increase, and engine oil may need to be refilled in between oil maintenance intervals.

- When the engine is new, for example directly after purchasing the vehicle or after replacing the engine.
- If low quality engine oil or oil of an inappropriate viscosity is used.
- When driving at high engine speeds or with a heavy load (when towing, etc.), or when accelerating or decelerating frequently while driving.
- When idling for a long time, or when driving frequently through heavy traffic.

When judging the amount of oil consumption, keep in mind that the oil may have become diluted, making it difficult to judge the true level accurately.

Post-procedure1

- (d) None

2. CHECK ENGINE OIL QUALITY

- (a) Check the engine oil for deterioration, water intrusion, discoloration or thinning.

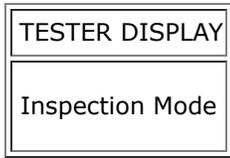
If the quality is visibly poor, replace the engine oil and oil filter sub-assembly.

3. INSPECT OIL PRESSURE

Pre-procedure1

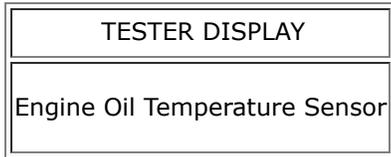
(a) Put the engine in inspection mode (Maintenance Mode).

Powertrain > Hybrid Control > Utility



(b) Start the engine and warm it up until the engine oil temperature is 75 to 85°C (167 to 185°F).

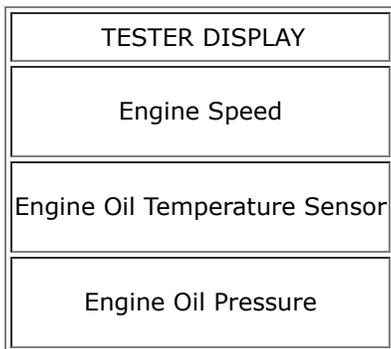
Powertrain > Engine > Data List



Procedure1

(c) Read the Data List.

Powertrain > Engine > Data List



Standard

ENGINE SPEED	ENGINE OIL TEMPERATURE SENSOR	ENGINE OIL PRESSURE
1500 rpm	75 to 85°C (167 to 185°F)	80 kPa(gauge) [12 psi(gauge)] or higher
2500 rpm		80 kPa(gauge) [12 psi(gauge)] or higher

If the result is not as specified, check the quality of the engine oil and check the oil paths for clogging. Repair or replace if necessary. After performing replacement or repairs, if the engine oil pressure is not as specified, perform the confirmation driving pattern for DTC P052477, P15F009, P15F077, P15F109, P15F177 in SFI System and check for DTCs.

HINT:

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Post-procedure1

(d) None

