

PROCEDURE

1.CHECK ENGINE OIL QUALITY

- a. Check the engine oil for deterioration, water contamination, discoloration or thinning.
If the quality is visibly poor, replace the engine oil and oil filter sub-assembly.
[Click here](#)Engine / Hybrid System>1GR-FE LUBRICATION>OIL AND OIL FILTER>REPLACEMENT

2.CHECK ENGINE OIL LEVEL

- a. Warm up the engine, and then stop the engine and wait 5 minutes.
- b. Check that the engine oil level is between the engine oil level dipstick low level mark and full level mark.
If the oil level is low, check for leakage and add oil up to the full level mark.

NOTICE:

Do not fill engine oil above the full level mark.

HINT:

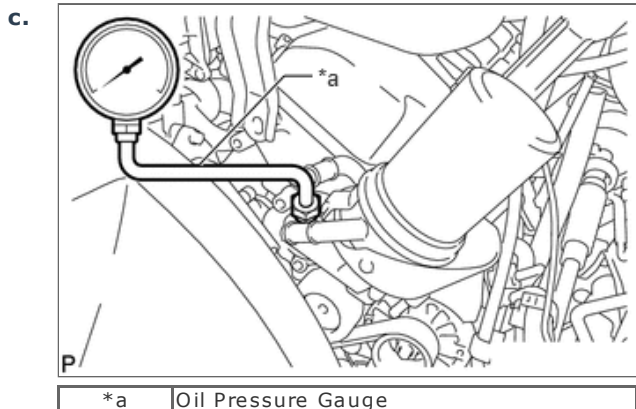
A certain amount of engine oil will be consumed while driving. In the following situations, oil consumption may increase, and engine oil may need to be refilled in between oil maintenance intervals.

- When the engine is new, for example directly after purchasing the vehicle or after replacing the engine.
- If low quality oil or oil of an inappropriate viscosity is used.
- When driving at a high engine speed or with a heavy load, when towing, or when driving while accelerating or decelerating frequently.
- 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.

3.INSPECT OIL PRESSURE

- a. w/ Oil Pressure Gauge:
Remove the oil pressure sender gauge assembly.
[Click here](#)Engine / Hybrid System>1GR-FE LUBRICATION>OIL PRESSURE SENSOR>REMOVAL
- b. w/o Oil Pressure Gauge:
Remove the engine oil pressure switch assembly.
[Click here](#)Engine / Hybrid System>1GR-FE LUBRICATION>OIL PRESSURE SWITCH>REMOVAL



Install an oil pressure gauge.

- d. Warm up the engine.
- e. Measure the engine oil pressure.

Standard Oil Pressure:

Condition	Specified Condition
Idle	29 kPa (0.3 kgf/cm ² , 4.2 psi) or higher
3000 rpm	294 to 588 kPa (3.0 to 6.0 kgf/cm ² , 43 to 85 psi)

If the oil pressure is not as specified, check the oil pump.

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f. Remove the oil pressure gauge.

g. w/ Oil Pressure Gauge:

Install the oil pressure sender gauge assembly.

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h. w/o Oil Pressure Gauge:

Install the engine oil pressure switch assembly.

[Click here](#)Engine / Hybrid System>1GR-FE LUBRICATION>OIL PRESSURE SWITCH>INSTALLATION