

LUBRICATION SYSTEM

ON-VEHICLE INSPECTION

1. CHECK ENGINE OIL LEVEL

- (a) Warm up the engine, then stop the engine and wait for 5 minutes. Check that the engine oil level is between the low and full marks on the oil level gauge.

If the engine oil is low, check for oil leaks and add engine oil up to the full mark.

NOTICE:

Do not add engine oil above the full mark.

2. CHECK ENGINE OIL QUALITY

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

If the oil quality is visibly poor, replace the oil.

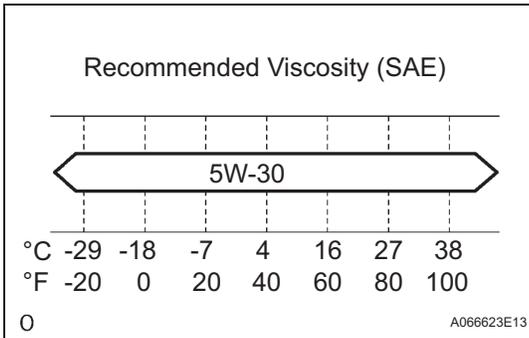
Oil grade:

Use API grade SL "Energy-Conserving", or ILSAC multi grade engine oil.

SAE 5W-30 is the best choice for good fuel economy and good starting in cold weather.

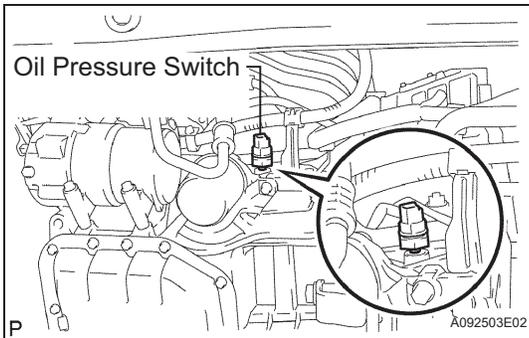
If SAE 5W-30 is not available, SAE 10W-30 may be used.

However, it should be replaced with SAE 5W-30 at the next oil replacement.



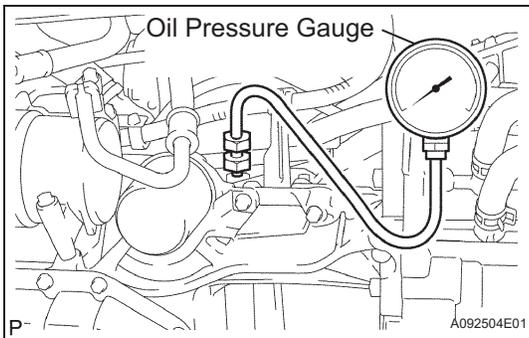
3. CHECK OIL PRESSURE

- (a) Remove the engine oil pressure switch assembly.
 - (1) Disconnect the oil pressure switch connector.
 - (2) Using a 24 mm deep socket wrench, remove the oil pressure switch.



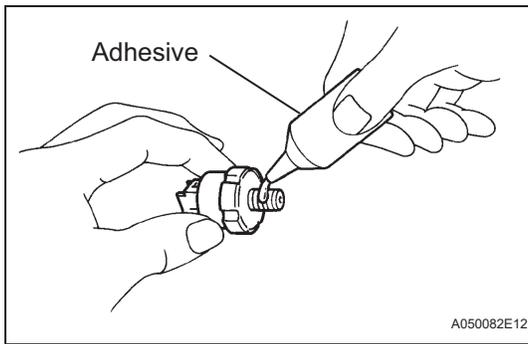
- (b) Install an oil pressure gauge.
 - (1) Install the adaptor, then install an oil pressure gauge.
- (c) Set the vehicle to inspection mode (see page IN-34).
- (d) Warm up the engine.
- (e) Inspect the oil pressure.

Standard oil pressure



Condition	Specified Condition
Idle	59 kPa (0.6 kgf/cm ² , 4.2 psi) or more
2,500 rpm	150 to 550 kPa (1.5 to 5.6 kgf/cm ² , 22 to 80 psi)

- (f) Remove the oil pressure gauge.



- (g) Install the engine oil pressure switch.
- (1) Apply adhesive to the threads.
Adhesive:
Toyota Genuine Adhesive 1324, Three Bond 1324 or Equivalent
 - (2) Using a 24 mm deep socket wrench, install the oil pressure switch.
Torque: 15 N*m (153 kgf*cm, 11 ft.*lbf)
NOTICE:
Do not start the engine within 1 hour of installation.
 - (3) Connect the oil pressure switch connector.

4. CHECK FOR ENGINE OIL LEAKS