

# LUBRICATION SYSTEM (1MZ-FE/3MZ-FE)

## ON-VEHICLE INSPECTION

17020-10

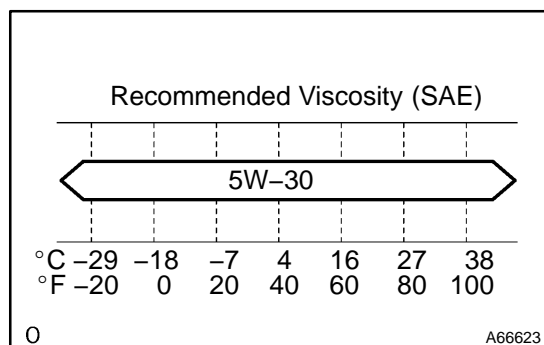
### 1. CHECK ENGINE OIL LEVEL

- (a) Warm up the engine, stop the engine and wait 5 minutes. The oil level should be between the dipstick's 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 with engine oil above the full level mark.



### 2. CHECK ENGINE OIL QUALITY

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

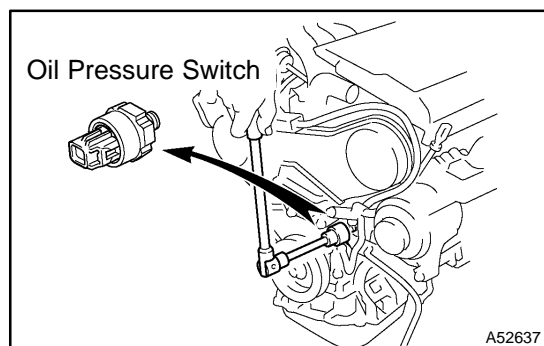
If the quality is visibly poor, replace the oil.

#### Oil grade:

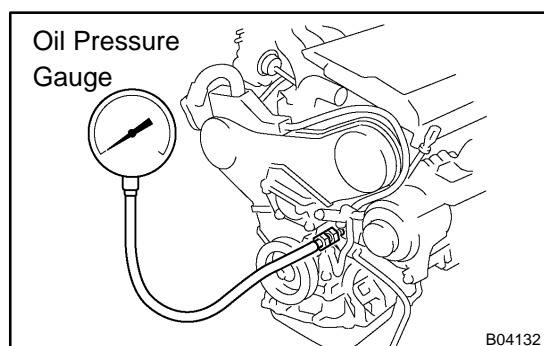
API grade SL, Energy-Conserving or ILSAC, multi-grade engine oil is recommended. SAE 5W-30 is the best choice for your vehicle, for good fuel economy, and good starting in cold weather.

### 3. REMOVE OIL PRESSURE SWITCH ASSY

- (a) Disconnect the oil pressure switch connector.



- (b) Using a 24 mm deep socket wrench, remove the oil pressure switch.



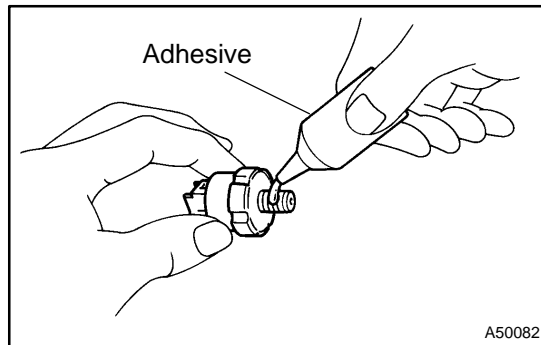
### 4. INSTALL OIL PRESSURE GAUGE

- (a) Install the oil pressure gauge.

### 5. WARM UP ENGINE

**6. CHECK OIL PRESSURE****Specification:**

Item	Oil Pressure
Idle	29 kPa (0.3 kgf·cm <sup>2</sup> , 4.3 psi) or more
3,000 rpm	245 to 539 kPa (2.5 to 5.5 kgf·cm <sup>2</sup> , 36 to 78 psi) or more

**7. INSTALL OIL PRESSURE SWITCH**

- (a) Remove the oil pressure gauge.
- (b) Apply adhesive to 2 or 3 threads of the oil pressure switch.

**Adhesive:**

**Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent**

- (c) Using a 24 mm deep socket wrench, install the oil pressure switch.

**Torque: 15 N·m (152 kgf·cm, 11 ft·lbf)**

**NOTICE:**

**Do not start the engine for at least 1 hour after installation of the switch.**

- (d) Connect the oil pressure switch connector.

**8. START ENGINE AND CHECK FOR ENGINE OIL LEAKS**