**7. (4A-FE)****INSTALL BRACKET, ALTERNATOR AND DRIVE BELT****8. START ENGINE**

Start the engine and warm it up to normal operating temperature.

9. MEASURE OIL PRESSURE

Oil pressure:

At idle 0.3 kg/cm² (4.3 psi, 29 kPa) or more

At 3,000 rpm 2.5 – 5.0 kg/cm²

(36 – 71 psi, 245 – 490 kPa)

10. REMOVE OIL PRESSURE GAUGE AND REINSTALL OIL PRESSURE SWITCH OR SENDER GAUGE

Apply adhesive to two or three threads.

Adhesive: Pant No.08833-00080, THREE BOND 1344, LOCTITE 242 or equivalent

11. (4A-GE w/ PS)**REINSTALL PS PUMP BRACKET, IDLER PULLEY AND DRIVE BELT****72. (with A/C)****REINSTALL A/C COMPRESSOR BRACKET, COMPRESSOR AND DRIVE BELT****13. ADJUST DRIVE BELTS**

4A-FE (See page [EM-40](#))

4A-GE (See page [EM-52](#))

74. START ENGINE AND CHECK FOR LEAKS

REPLACEMENT OF ENGINE OIL AND OIL FILTER

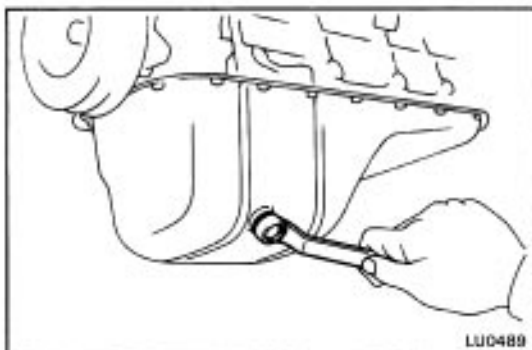
CAUTION:

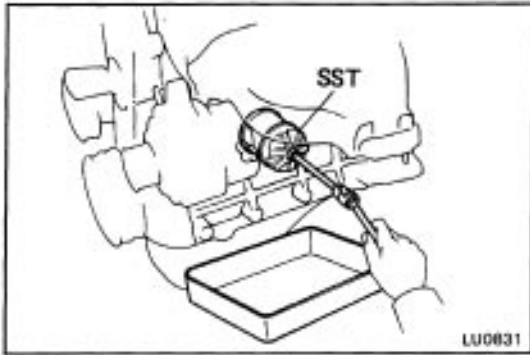
- Prolonged and repeated contact with mineral oil will result in the removal of natural fats from the skin, leading to dryness, irritation and dermatitis. In addition, used engine oil contains potentially harmful contaminants which may cause skin cancer. Adequate means of skin protection and washing facilities should be provided.
- Care should be taken, therefore, when changing engine oil, to minimize the frequency and length of time your skin is exposed to used engine oil. Protective clothing and gloves, that cannot be penetrated by oil, should be worn. The skin should be thoroughly washed with soap and water, or use waterless hand cleaner, to remove any used engine oil. Do not use gasoline, thinners, or solvents.
- In order to preserve the environment, used oil must be disposed of only at designated disposal sites.

1. DRAIN ENGINE OIL

(a) Remove the oil filler cap.

(b) Remove the oil drain plug and drain the oil into a container.

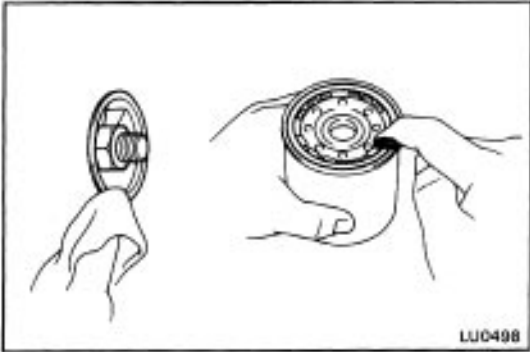




2. REPLACE OIL FILTER

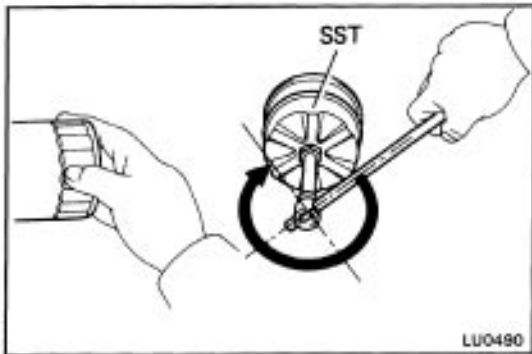
(a) Using SST, remove the oil filter (located on left side of the cylinder block).

SST 09228-06500



(b) Clean the filter contact surface on the filter mounting.

(c) Lubricate the filter rubber gasket with engine oil.



(d) Tighten the filter until the gasket contacts the seat of the filter mounting. Then using SST, give it an additional 3/4 turn to seat the filter.

SST 09228-06500

3. REFILL WITH ENGINE OIL

(a) Clean and install the oil drain plug with a new gasket.

Torque the drain plug.

Torque: 350 kg-cm (25 ft-lb, 34 N-m)

(b) Fill the engine with new oil.

Oil grade : API grade SG

Capacity:

4A-FE

Drain and refill

Without oil filter change

3.0 liters (3.1 US qts, 2.6 Imp.qts)

With oil filter change

3.2 liters (3.3 US qts, 2.8 Imp.qts)

Dry fill (w/o Oil cooler)

3.7 liters (3.9 US qts, 3.3 Imp.qts)

Dry fill (w/ Oil cooler)

4.1 liters (4.3 US qts, 3.6 Imp.qts)

4A-GE

Drain and refill

Without oil filter change

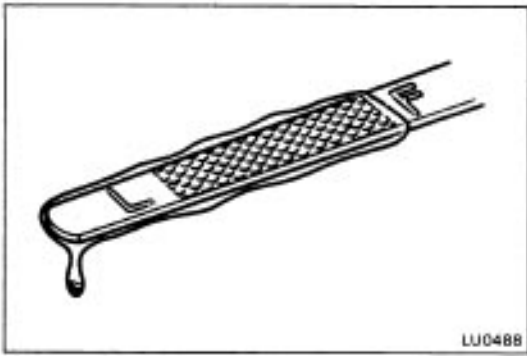
3.4 liters (3.6 US qts, 3.0 Imp.qts)

With oil filter change

3.7 liters (3.9 US qts, 3.3 Imp.qts)

Dry fill

4.1 liters (4.3 US qts, 3.6 Imp.qts)



(c) Install the oil filter cap with the gasket.

4. START ENGINE AND CHECK FOR LEAKS

5. RECHECK ENGINE OIL LEVEL

Recheck the engine oil level and refill if necessary.