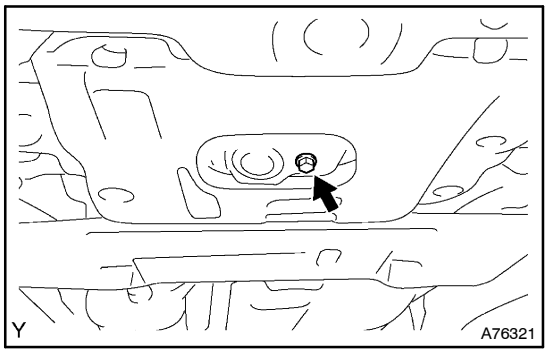
OIL FILTER SUB–ASSY (1GR–FE)

170DN–02

REPLACEMENT

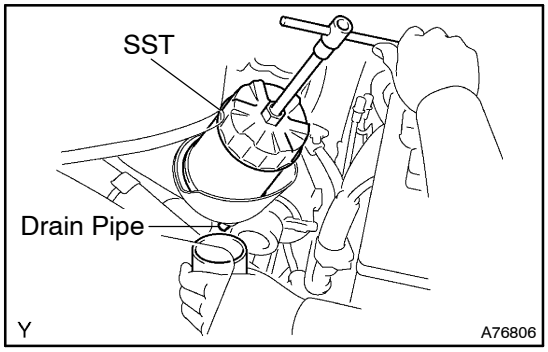
CAUTION:

- **Prolonged and repeated contact with engine oil will result in the removal of natural oils from the skin, leading to dryness, irritation and dermatitis. In addition, used engine oil contains potentially harmful contaminants which may cause skin cancer.**
- **Precautions should be taken when replacing engine oil to minimize the risk of your skin making contact with used engine oil. Protective clothing and gloves that cannot be penetrated by oil should be worn. The skin should be washed with soap and water, or use water–less hand cleaner, to remove any used engine oil thoroughly. Do not use gasoline, thinners, or solvents.**
- **In order to preserve the environment, used oil and used oil filters must be disposed of at designated disposal sites.**



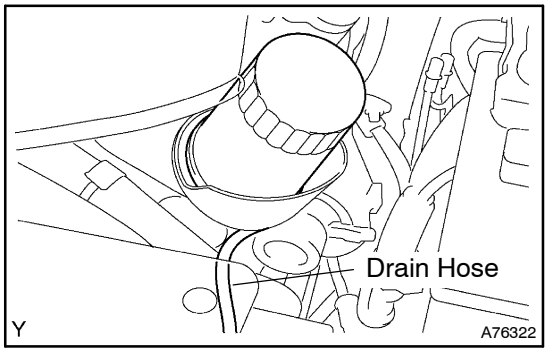
1. DRAIN ENGINE OIL

(a) Remove the engine under cover seal No. 3.
(b) Remove the oil pan drain plug and drain the engine oil.
(c) Clean the oil pan drain plug and install a new gasket and it.
Torque: 40 N·m (408 kgf·cm, 30 ft·lbf)



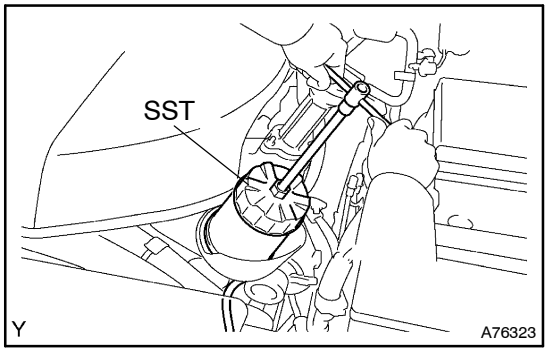
2. REMOVE OIL FILTER SUB–ASSY

(a) Remove the drain pipe cap.
(b) While removing the oil filter with SST, catch the oil from the oil filter with a container.
SST 09228–07501
(c) Install the drain pipe cap.
(d) Clean the oil catch plate.

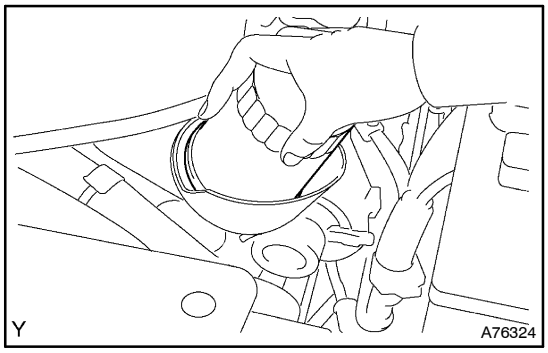


HINT:
When using a drain hose, perform the following procedure.
(e) Remove the drain pipe cap.
(f) Connect a drain hose to the oil filter bracket.
HINT:
- Drain hose inside diameter: 8 mm (0.31 in.)
- Drain hose length: 900 mm (35.43 in.)

(g) Feed the drain hose down through the engine under cover, and put the drain oil container beneath the drain hose in order to catch the oil from the oil filter.

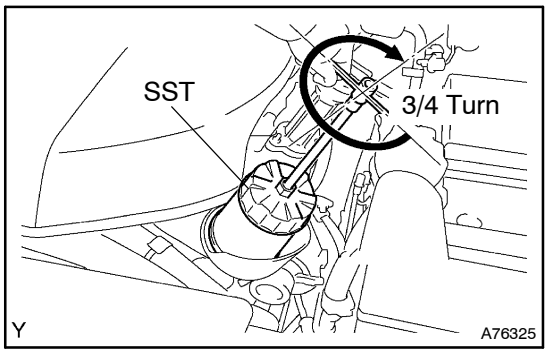


(h) Using SST, remove the oil filter.
SST 09228–07501
(i) Remove the drain hose and install the drain pipe cap.
(j) Clean the oil catch plate.



3. INSTALL OIL FILTER SUB–ASSY

(a) Clean the oil filter contact surface on the oil filter bracket.
(b) Lubricate the rubber gasket of a new oil filter with clean engine oil.
(c) Tighten the oil filter by hand until the rubber gasket contacts the seat of the filter bracket.



(d) Using SST, give it an additional 3/4 turn to set the filter.
SST 09228–07501

4. ADD ENGINE OIL

(a) Fill with new engine oil.
Capacity:
Drain and refill:
w/ Oil filter change: 5.2 liters (5.5 US qts, 4.6 lmp. qts)
w/o Oil filter change: 4.9 liters (5.2 US qts, 4.3 lmp. qts)
Dry fill: 6.0 liters (6.3 US qts, 5.3 lmp. qts)
(b) Reinstall the oil filler cap.

5. CHECK FOR ENGINE OIL LEAKS

6. CHECK ENGINE OIL LEVEL