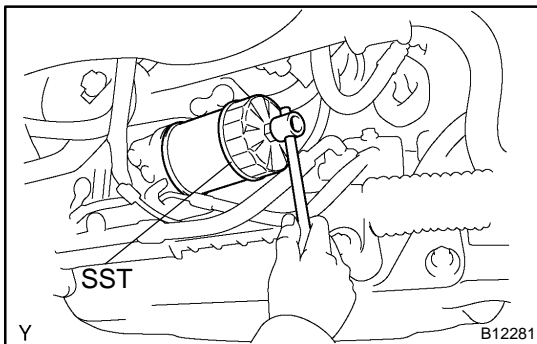


# OIL FILTER SUB-ASSY REPLACEMENT

170IK-03

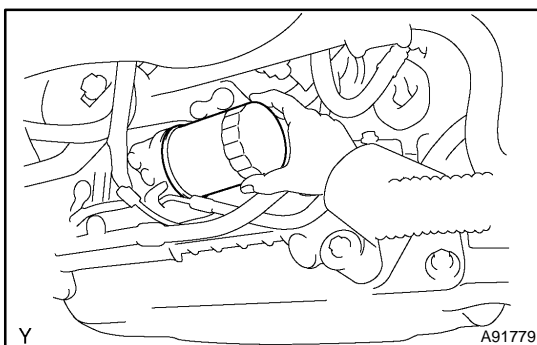
## CAUTION:

- 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.
  - Wear protective clothing and gloves to minimize the length and frequency of contact between the skin and used oil. If contact does occur, wash the contacted area thoroughly with soap and waterless hand cleaner. Do not use gasoline, thinners, or solvents to wash the skin.
  - In order to preserve the environment, only dispose of used oil and used oil filters at designated disposal sites.
1. REMOVE ENGINE UNDER COVER NO.1
  2. DRAIN ENGINE OIL
    - (a) Remove the oil filler cap.
    - (b) Remove the oil drain plug, and drain the oil into a container.



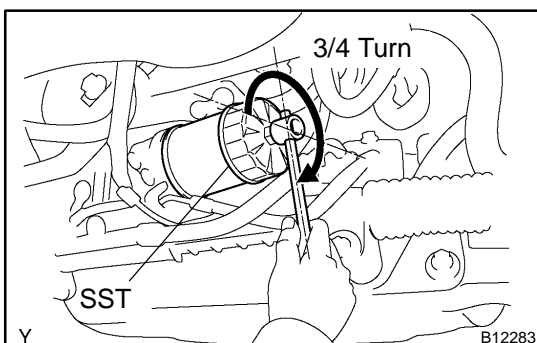
### 3. REMOVE OIL FILTER SUB-ASSY

- (a) Using SST, remove the oil filter.  
SST 09228-07501



### 4. INSTALL OIL FILTER SUB-ASSY

- (a) Check and clean the oil filter installation surface.
- (b) Apply clean engine oil to the gasket of a new oil filter.
- (c) Lightly screw the oil filter into place by hand. Tighten it until the gasket contacts the seat.



- (d) Using SST, tighten the oil filter.  
SST 09228-07501
  - (1) Depending on the work space available, choose from the following.

If enough space is available, use torque wrench to tighten the oil filter.

**Torque: 17.5 N·m (178 kgf·cm 13 ft·lbf)**

If not enough space is available to use torque wrench, tighten the oil filter a 3/4 turn by hand or a common wrench.

**5. ADD ENGINE OIL**

- (a) Install a new gasket and the drain plug.

**Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)**

- (b) Add new oil.

**Specification:**

Item	Capacity
Drain and refill w/ oil filter change	4.5 liters (4.8 US qts, 4.0 Imp. qts)
Drain and refill w/o oil filter change	4.2 liters (4.4 US qts, 3.7 Imp. qts)
Dry fill	6.1 liters (6.4 US qts, 5.4 Imp. qts)

- (c) Install the oil filler cap.

**6. CHECK FOR ENGINE OIL LEAKS****7. INSTALL ENGINE UNDER COVER NO.1**