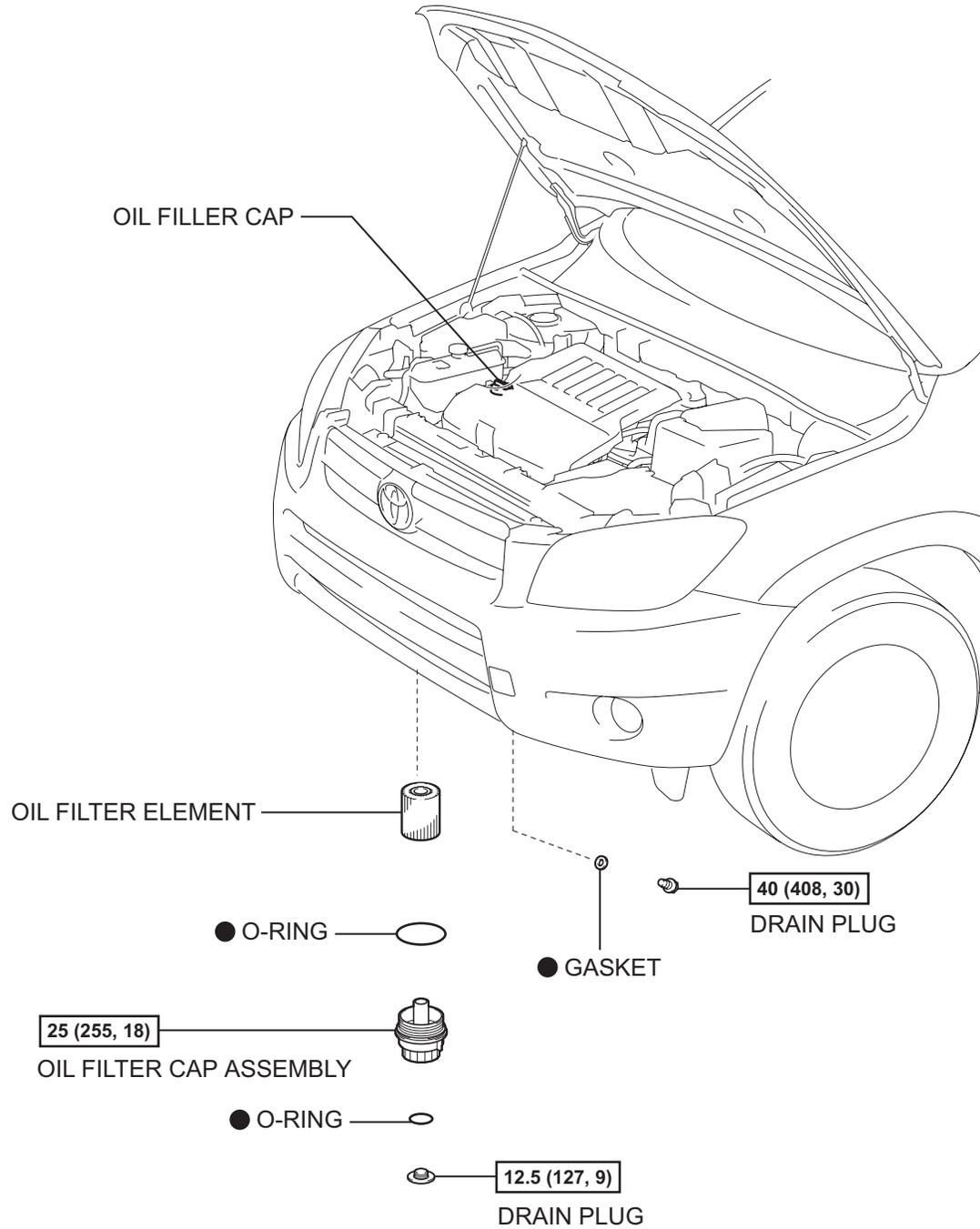


# OIL AND OIL FILTER COMPONENTS



$\boxed{N*m (kgf*cm, ft.*lbf)}$  : Specified torque

● Non-reusable part

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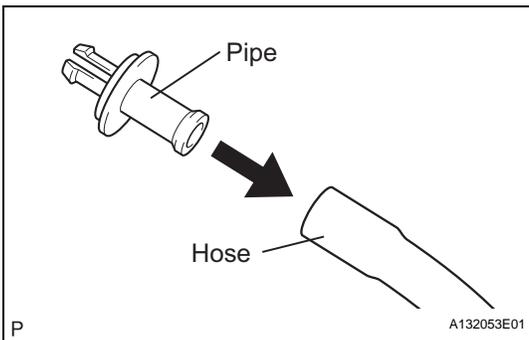
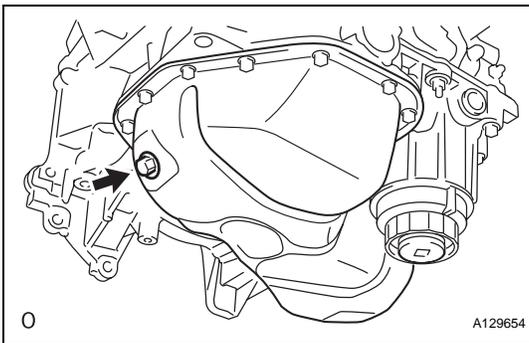
## REPLACEMENT

### CAUTION:

- Prolonged and repeated contact with mineral oil will result in the loss of the skin's natural oils, 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. Avoid contact with used oil. If contact occurs, wash the area thoroughly with soap and waterless hand cleaner. Never use gasoline, thinners, or solvents to wash the skin.
- In order to protect the environment, dispose of used oil and used oil filters at designated disposal sites only.

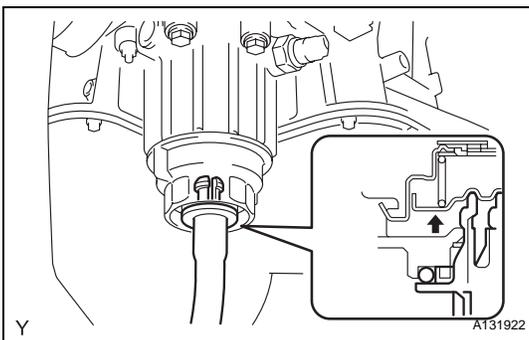
### 1. DRAIN ENGINE OIL

- Remove the oil filler cap.
- Remove the oil drain plug and gasket, and drain the engine oil into a container.

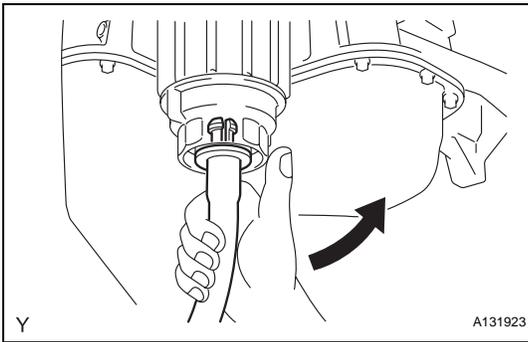


### 2. REMOVE OIL FILTER CAP ASSEMBLY

- Connect the hose to a pipe.  
HINT:  
The drain pipe is supplied with the oil filter element.



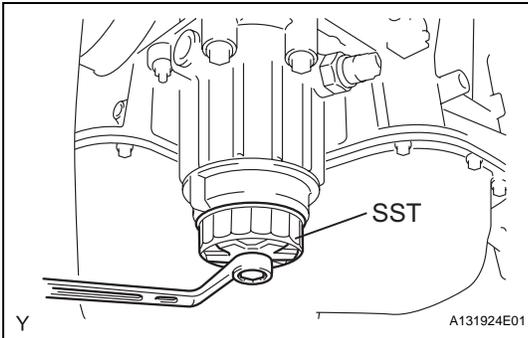
- Remove the oil filter drain plug and O-ring, and then insert the drain pipe into the oil filter cap and drain the engine oil into a container.



- (c) Make sure that oil is completely drained, and remove the pipe and O-ring.

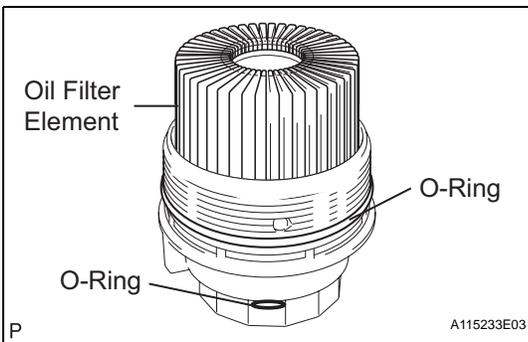
HINT:

Be sure to turn the pipe in the direction of the arrow to remove it.



- (d) Using SST, remove the oil filter cap together with the oil filter element.

**SST 09228-06501**



### 3. REMOVE OIL FILTER ELEMENT

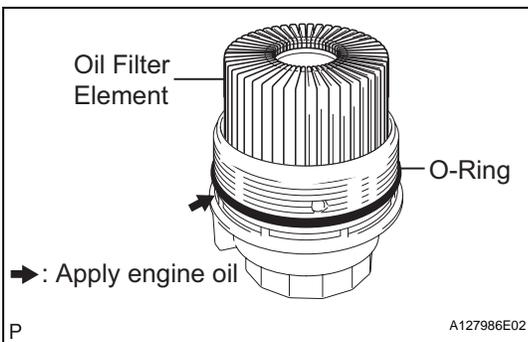
- (a) Remove the oil filter element and 2 O-rings from the oil filter cap.

**NOTICE:**

**Be sure to remove the O-ring (for the cap) by hand, without using any tools, to prevent damage to the groove for the O-ring on the cap.**

### 4. INSTALL OIL FILTER ELEMENT

- (a) Clean the oil filter cap threads and O-ring groove.



- (b) Apply a small amount of engine oil to a new O-ring and install it to the oil filter cap.
- (c) Set a new oil filter element in the oil filter cap.

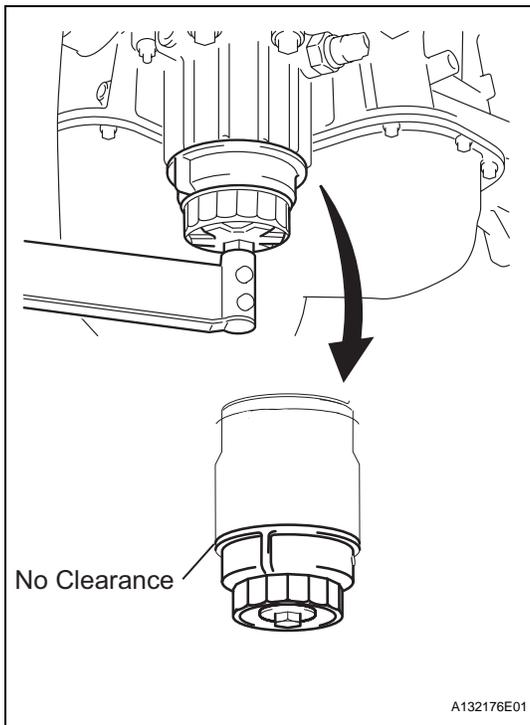
### 5. INSTALL OIL FILTER CAP ASSEMBLY

- (a) Remove any dirt or foreign matter from the installation surface and inside of the engine.

- (b) Apply a small amount of engine oil to the O-ring again and install the oil filter cap.

**NOTICE:**

**Be careful that the O-ring does not get caught between the parts.**



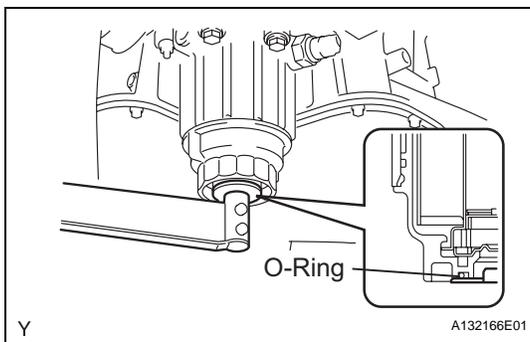
(c) Using SST, tighten the oil filter cap.

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**Torque: 25 N\*m (255 kgf\*cm, 18 ft.\*lbf)**

**NOTICE:**

- Make sure that the oil filter is installed securely as shown in the illustration.
- Be careful that the O-ring does not get caught between the parts.



(d) Apply a small amount of engine oil to a new drain plug O-ring, and install it to the oil filter cap.

**NOTICE:**

**Before installing the O-ring, remove any dirt or foreign matter from the installation surface of the oil filter cap.**

(e) Install the oil filter drain plug to the filter cap.

**Torque: 12.5 N\*m (127 kgf\*cm, 9 ft.\*lbf)**

**NOTICE:**

**Be careful that the O-ring does not get caught between the parts.**

**6. ADD ENGINE OIL**

- Wipe the oil pan and drain plug before installing the plug.
- Install a new gasket and the oil pan drain plug.  
**Torque: 40 N\*m (408 kgf\*cm, 30 ft.\*lbf)**
- Add clean engine oil and install the oil filler cap.

**Engine oil**

Oil Grade	Oil Viscosity (SAE)
<ul style="list-style-type: none"> <li>ILSAC multigrade engine oil</li> </ul>	<ul style="list-style-type: none"> <li>5W-30</li> <li>10W-30</li> </ul> <p>(5W-30 is the best choice for good fuel economy and good starting in cold weather.)</p>

**Standard oil capacity**

Item	Specified Condition
Drain and refill with oil filter change	6.1 liters (6.4 US qts, 5.4 Imp. qts)
Drain and refill without oil filter change	5.7 liters (6.0 US qts, 5.0 Imp. qts)
Dry fill	6.5 liters (6.9 US qts, 5.7 Imp. qts)

**7. INSPECT FOR OIL LEAK**

- Start the engine. Make sure that no oil leaks from the connection point of the oil filter cap.