



## Replacement

### ▲ 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.
- Exercise caution in order to minimize the length and frequency of contact of your skin to used oil. Wear protective clothing and gloves. Wash your skin thoroughly with soap and water, or use water-less hand cleaner, to remove any used engine oil. Do not use gasoline, thinners, or solvents.
- In order to preserve the environment, used oil and used oil filter must be disposed of only at designated disposal sites.

1. Park the car on level ground.

2. Drain engine oil.

- (1) Remove the oil filler cap (A).



- (2) Remove the engine room rear under cover.

(Refer to Engine and Transmission Assembly - "Engine Room Under Cover")

- (3) Remove the oil drain plug (A) and drain oil into a container.



3. Replace the oil filter.

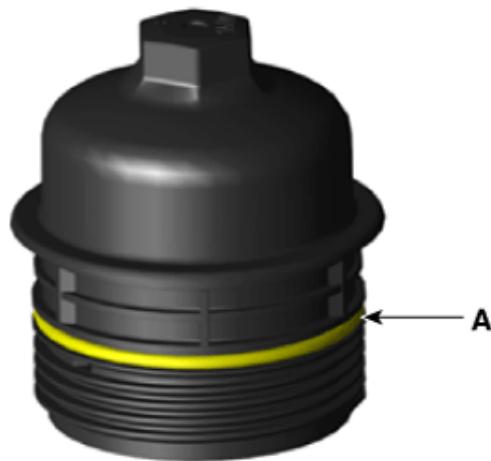
(1) Remove the oil filter cover (A).



(2) Remove the oil filter cap (A).



(3) Replace the O-ring (A) of oil filter cap with a new one.

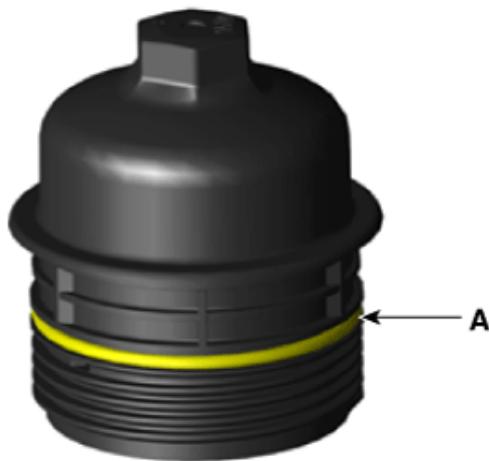


(4) Replace the new oil filter element (A).



(5) Check and clean the oil filter installation surface.

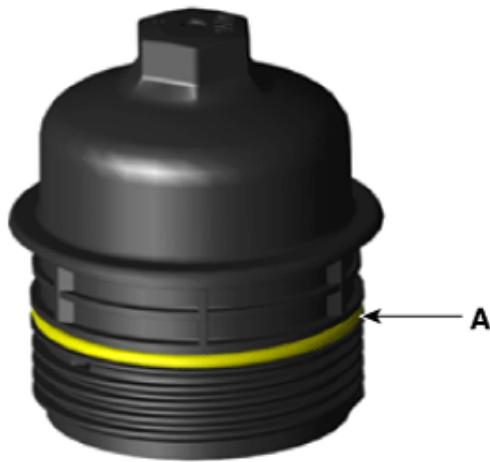
(6) Apply clean engine oil to the new O-rings (A).



(7) Lightly screw the oil filter cap into place, and tighten it until the O-ring contacts the seat.

**NOTICE**

Check if the O-ring (A) is installed correctly inside the cap.



(8) Finally tighten it again to the specified tightening torque.

**Tightening torque :**

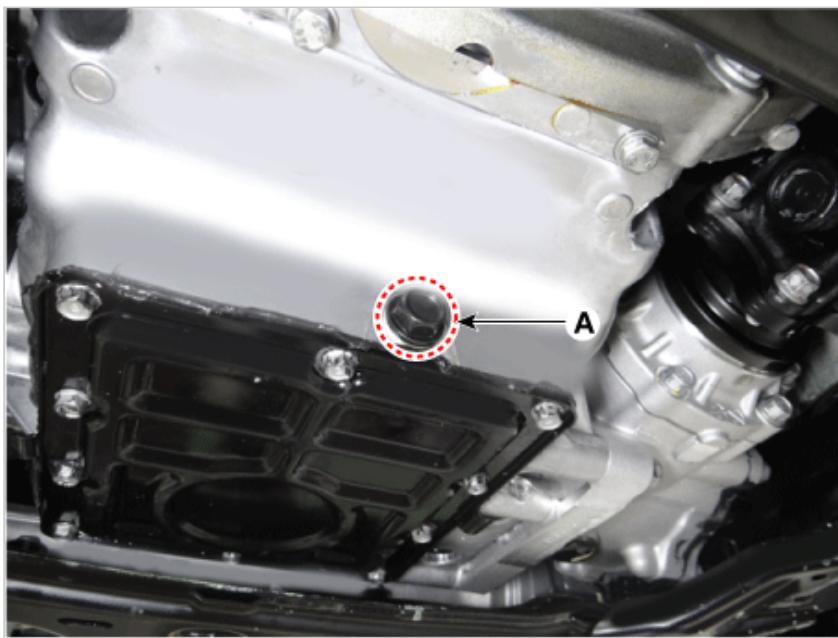
35.3 N·m (3.6 kgf·m, 26.0 lb·ft)

4. Fill new engine oil.

(1) Install the oil drain plug (A) with a new gasket.

**Tightening torque :**

34.3 - 44.1 N·m (3.5 - 4.5 kgf·m, 25.3 - 32.5 lb·ft)



(2) Install the engine room rear under cover.

(Refer to Engine and Transmission Assembly - "Engine Room Under Cover")

(3) Fill with new engine oil while checking the oil level on the oil level gauge.

#### Capacity

Total :

7.7 L (8.14 US qt., 6.77 Imp.qt., 2.03 US gal.)

Oil pan :

6.8 L (7.19 U.S qt., 5.98 Imp.qt., 1.80 U.S gal.)

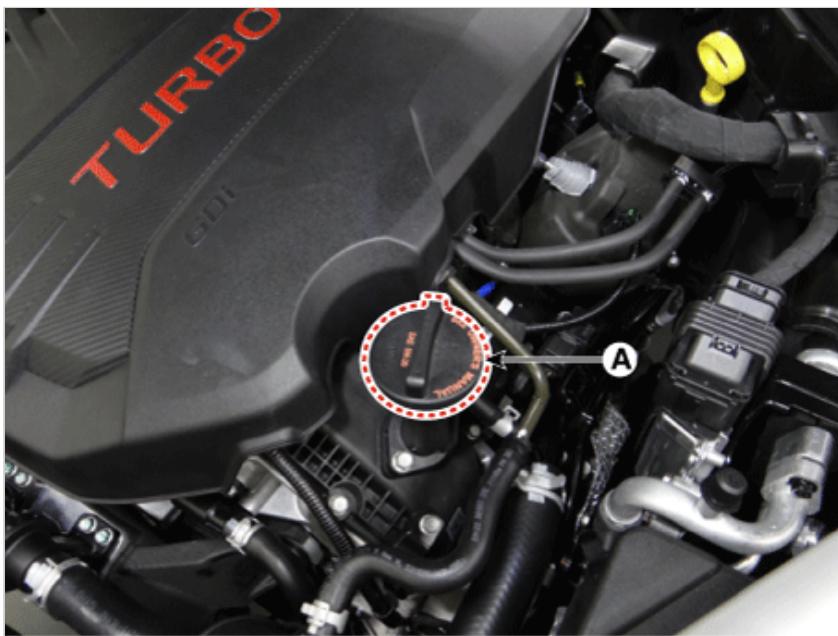
Drain and refill including oil filter :

6.9 L (7.29 U.S qt., 6.07 Imp.qt., 1.82 U.S gal.)

#### NOTICE

- Fill the crankcase to about half the capacity and then fill the remainder after waiting.
- Do not fill oil over the "F" mark. Frequently check the level with the oil level gauge to ensure no overfilling.

(4) Install the oil filler cap (A) and the oil level gauge.



5. Start the engine and check that no oil is leaking from the drain plug or oil filter.

6. Recheck the engine oil level.

**NOTICE**

When rechecking the engine oil level, be sure to warm up the engine sufficiently. Otherwise, the measured engine oil level may not reach the specification.

- To reset the service interval to the recommended mileage, refer to the service mode section in the owner's manual for procedure (if applicable).

**Inspection****Engine Oil Level****i Information**

Be sure that the vehicle is on level ground.

- Warm up and stop the engine, and then wait for 5 minutes.
- Turn the engine off and wait for a few minutes (about 5 minutes) for the oil to return to the oil pan.
- Pull the dipstick out, wipe and re-insert it fully.
- Check that the oil level is between the "L" and "F" level marks on the engine oil level gauge.
- If the level is low, check for leakage and add oil up to the "F" level mark.

**i Information**

Use a funnel to help prevent spilling the oil on engine components.

**NOTICE**

Do not fill the engine with oil above the full level mark.

**Engine Oil Appearance**

- Check engine oil for white turbidity or heavy contamination.
- If engine oil becomes turbid and white, it is highly probable that it is contaminated with engine coolant.  
Repair or replace damaged parts.

**Selection Of Engine Oil****Recommendation**

- API service SM or above, ILSAC GF-4 or above

**Allowed Oil Grade**

- API SL or above
- ILSAC GF-3 or above
- ACEA A3 or above

**Allowed SAE Viscosity**

TEMPERATURE RANGE OF SAE VISCOSITY NUMBERS

Temperature	°C	-30	-20	-10	0	10	20	30	40	50
	°F	-10	0	20	40	60	80	100	120	
Allowed SAE Viscosity Grade						10W-30				
						5W-30				

**NOTICE**

For best performance and maximum protection of all types of operation, select only those lubricants which:

- 1) Satisfy the requirement of the ACEA classification.
- 2) Have proper SAE grade number for expected ambient temperature range.
- 3) Have both an SAE grade number and ACEA service classification on the container; otherwise, it should not be used.