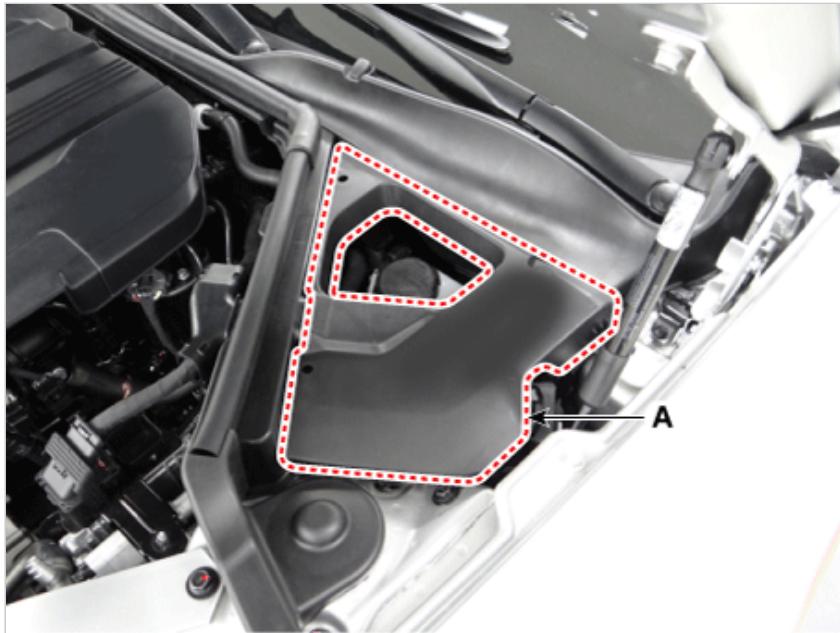




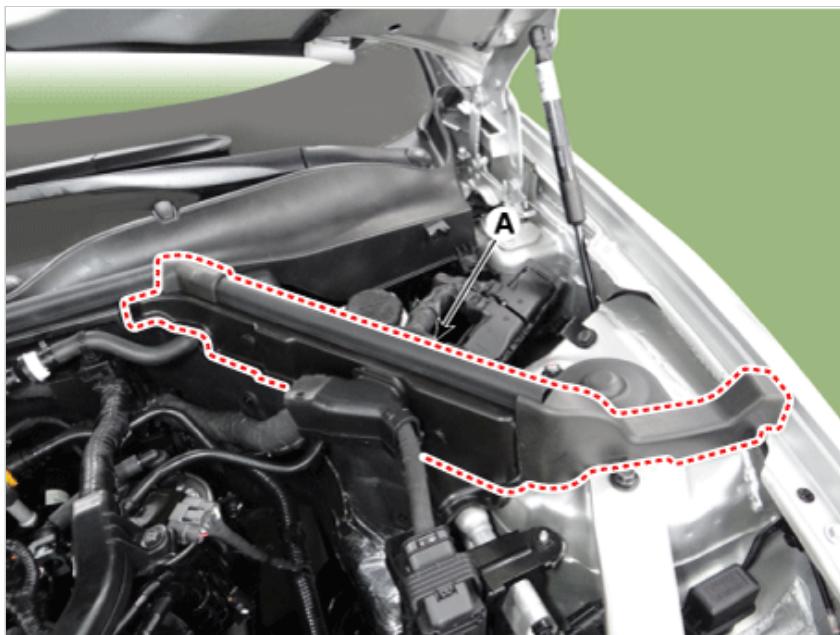
## Removal

### Lower Oil Pan [AWD]

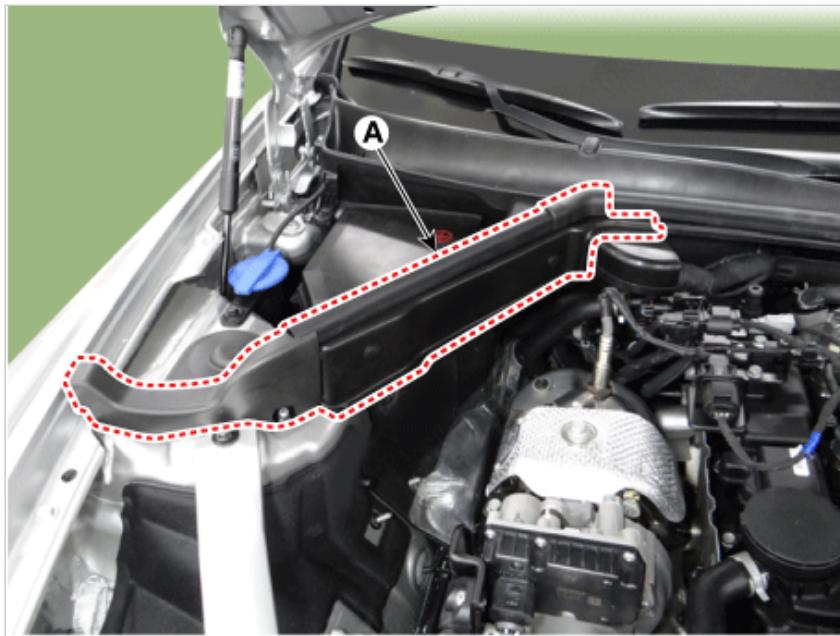
1. Remove the engine room front and rear under cover.  
**(Refer to Engine and Transmission Assembly - "Engine Room Under Cover")**
2. Drain the engine oil.  
**(Refer to Lubrication System - "Engine Oil")**
3. Remove the engine room cover (A).



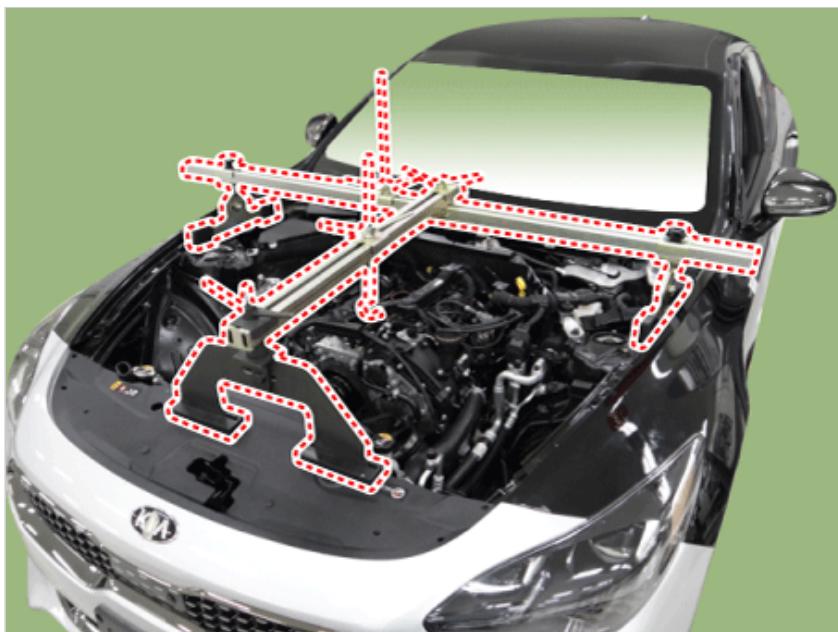
4. Remove the LH hood sealing cover (A).



5. Remove the RH hood sealing cover (A).



6. Remove the cowl top cover.  
[\(Refer to Body \(Interior and Exterior\) -"Cowl Top Cover"\)](#)
7. Remove the hood assembly  
[\(Refer to Body \(Interior and Exterior\) -"Hood Assembly"\)](#)
8. Assemble the engine support fixture on the engine room.  
[\(Refer to Special Service Tools - "Engine support fixture assembly drawing"\)](#)

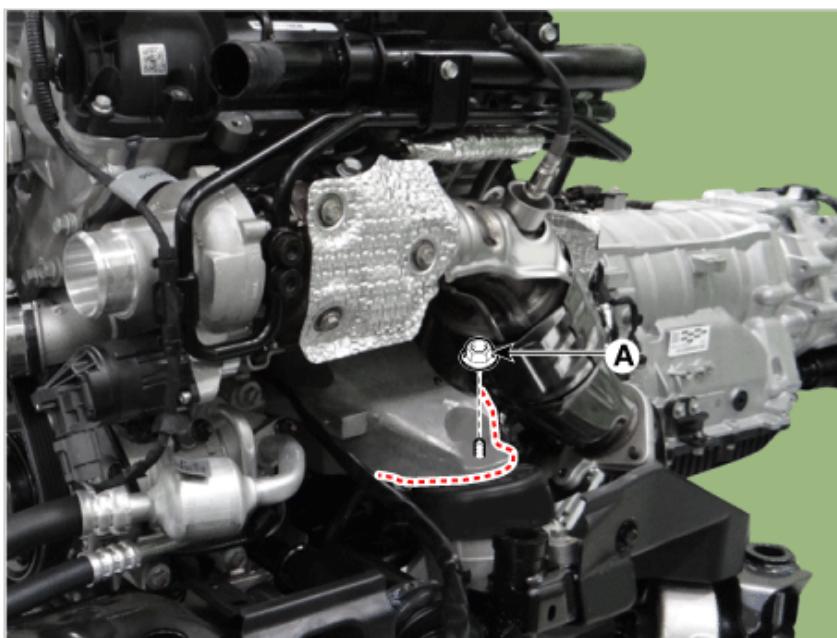


9. Remove the LH/RH engine mounting insulator nut (A).

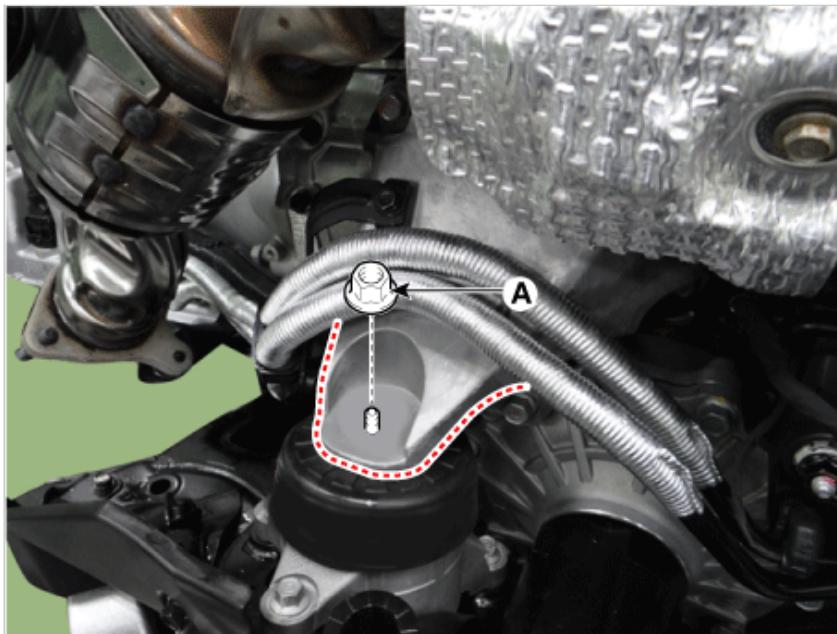
**Tightening torque :**

63.7 - 83.4 N·m (6.5 - 8.5 kgf·m, 47.0 - 61.5 lb·ft)

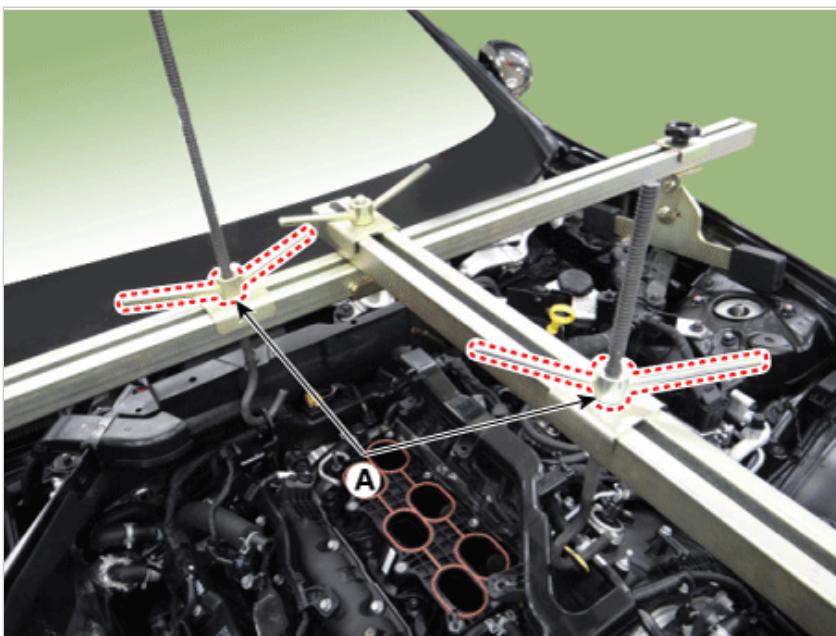
**[LH]**



[RH]

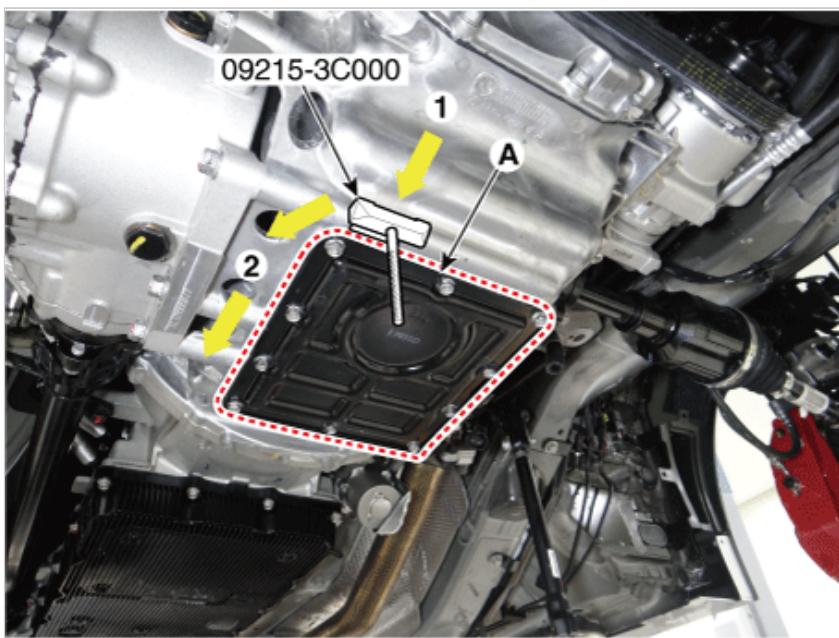


10. Lift the engine slightly by turn the handle (A) clockwise to obtain space for loosen the lower oil pan bolts.



11. Remove the lower oil pan (A).

Insert the blade of SST (09215-3C000) between the upper oil pan and lower oil pan. Cut off applied sealer and remove the lower oil pan.



**NOTICE**

Be careful not to damage the contact surfaces of upper oil pan and lower oil pan.

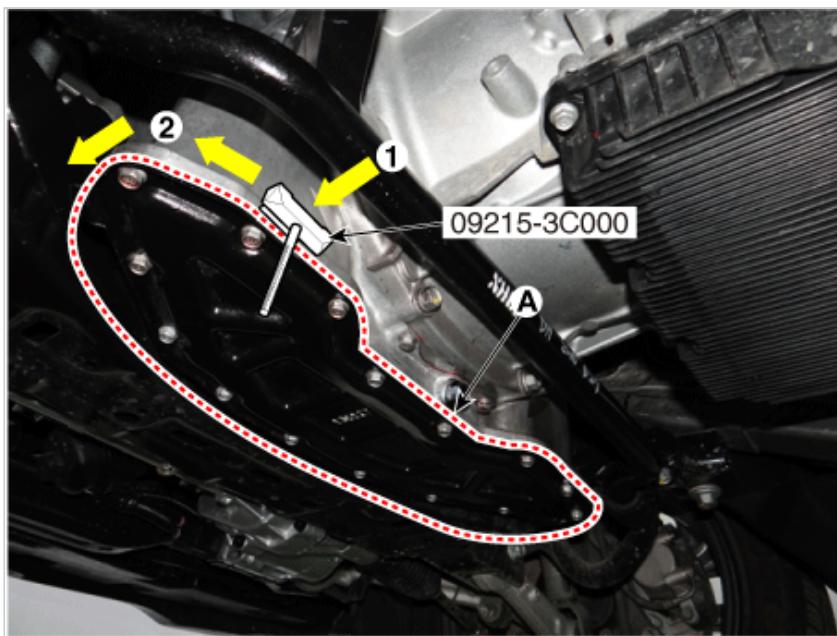
**Information**

- Insert the SST between the lower oil pan and the upper oil pan by tapping it with a plastic hammer in the direction of ① arrow.
- After tapping the SST with a plastic hammer along the direction of ② arrow around more than 2/3 edge of the lower oil pan, remove it from the upper oil pan.
- Do not turn over the SST abruptly without tapping as the SST may get damaged.

## Lower Oil Pan [2WD]

1. Remove the engine room front and rear under cover.  
(Refer to Engine and Transmission Assembly - "Engine Room Under Cover")
2. Drain the engine oil.  
(Refer to Lubrication System - "Engine Oil")
3. Remove the lower oil pan (A).

Insert the blade of SST (09215-3C000) between the upper oil pan and lower oil pan. Cut off applied sealer and remove the lower oil pan.



#### NOTICE

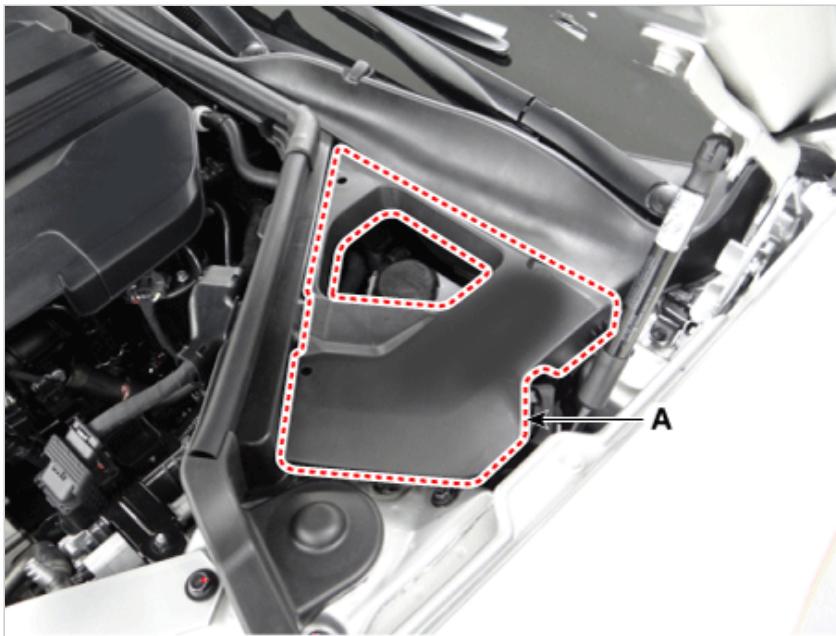
Be careful not to damage the contact surfaces of upper oil pan and lower oil pan.

#### Information

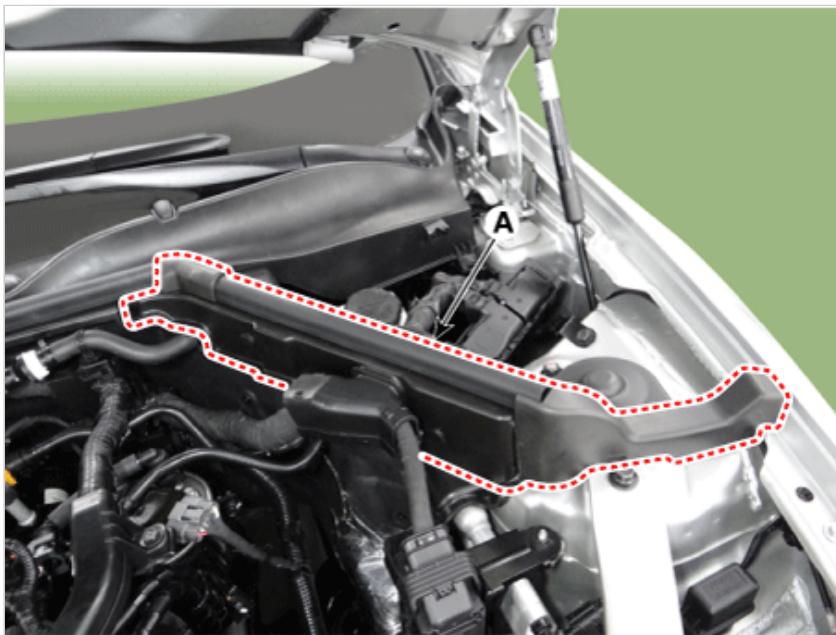
- Insert the SST between the lower oil pan and the upper oil pan by tapping it with a plastic hammer in the direction of ① arrow.
- After tapping the SST with a plastic hammer along the direction of ② arrow around more than 2/3 edge of the lower oil pan, remove it from the upper oil pan.
- Do not turn over the SST abruptly without tapping as the SST may get damaged.

## Upper Oil Pan

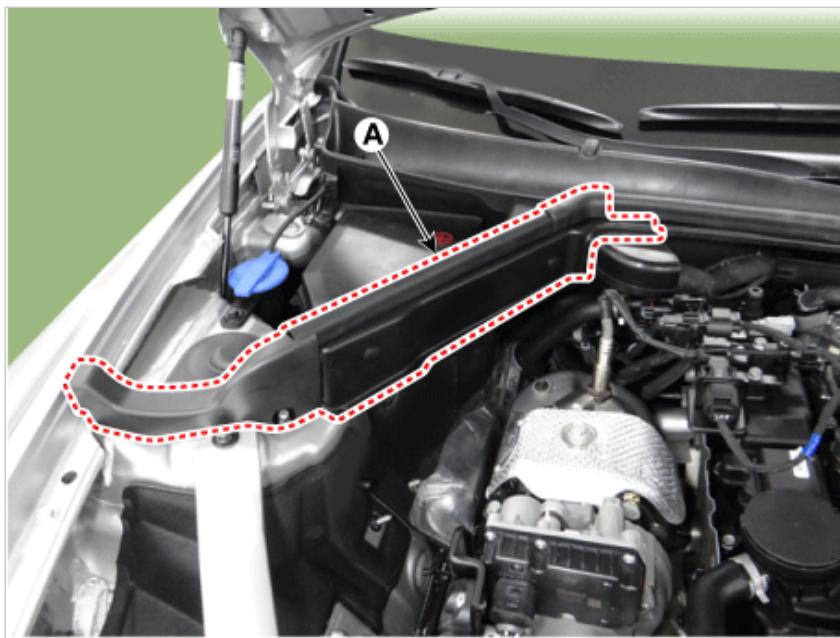
1. Remove the RH and LH air cleaner assembly.  
(Refer to Intake and Exhaust System - "Air Cleaner")
2. Remove the engine room front and rear under cover and engine room side cover.  
(Refer to Engine and Transmission Assembly - "Engine Room Under Cover")
3. Drain the coolant.  
(Refer to Cooling System - "Coolant")
4. Remove the surge tank.  
(Refer to Intake and Exhaust System - "Surge Tank")
5. Remove the LH and RH cylinder head cover.  
(Refer to Cylinder Head Assembly - "Cylinder Head Cover")
6. Remove the timing chain cover.  
(Refer to Timing Chain System - "Timing Chain Cover")
7. Remove the engine room cover (A).



8. Remove the LH hood sealing cover (A).



9. Remove the RH hood sealing cover (A).



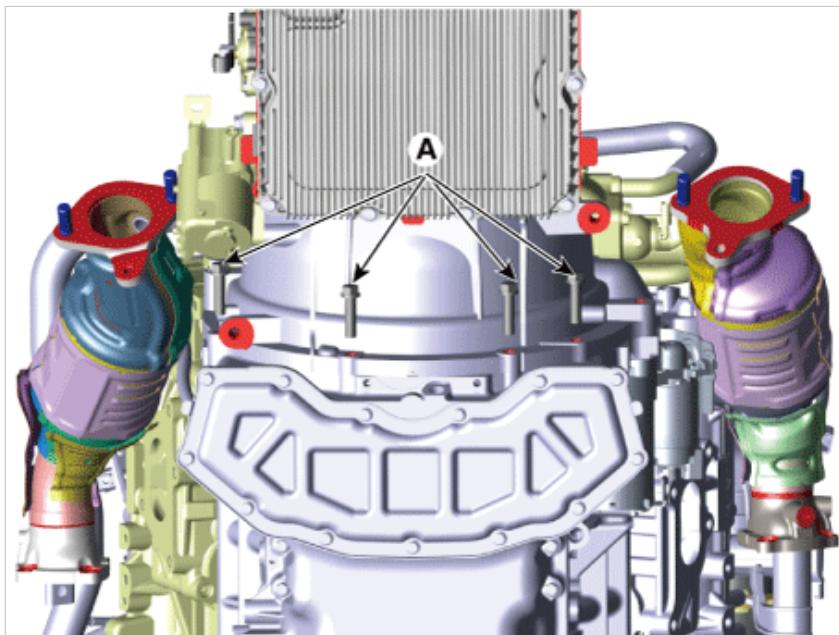
10. Remove the cowl top cover.  
**(Refer to Body (Interior and Exterior) -"Cowl Top Cover")**
11. Remove the hood assembly.  
**(Refer to Body (Interior and Exterior) -"Hood Assembly")**
12. Assemble the engine support fixture on the engine room.  
**(Refer to Special Service Tools - "Engine support fixture assembly drawing")**



13. Remove the sub frame.  
**(Refer to Suspension System - "Sub Frame")**
14. Remove the front driveshaft. (If equipped with AWD system)  
**(Refer to Driveshaft and Axle - "Front Driveshaft")**
15. Remove the front differential assembly. (If equipped with AWD system)  
**(Refer to Driveshaft and Axle - "Front Differential Carrier")**
16. Remove the brake vacuum pump.  
**(Refer to Brake System - "Vacuum Pump")**
17. Remove the A/C compressor assembly.  
**(Refer to Heating, Ventilation and Air conditioning - "Compressor")**
18. Loosen the transmission lower mounting bolts (A).

**Tightening torque :**

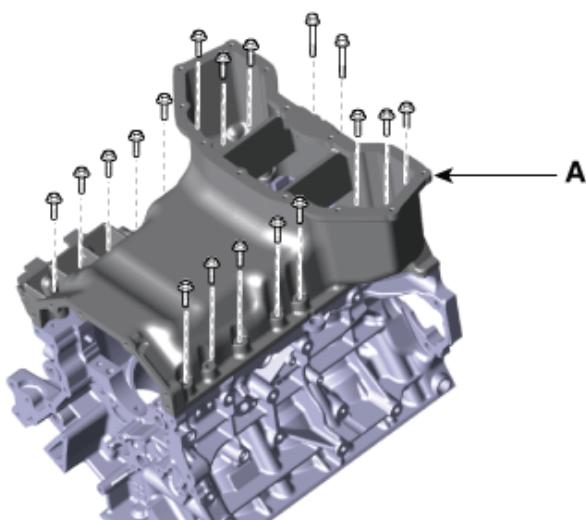
39.2 - 46.1 N·m (4.0 - 4.7 kgf·m, 28.9 - 34.0 lb·ft)



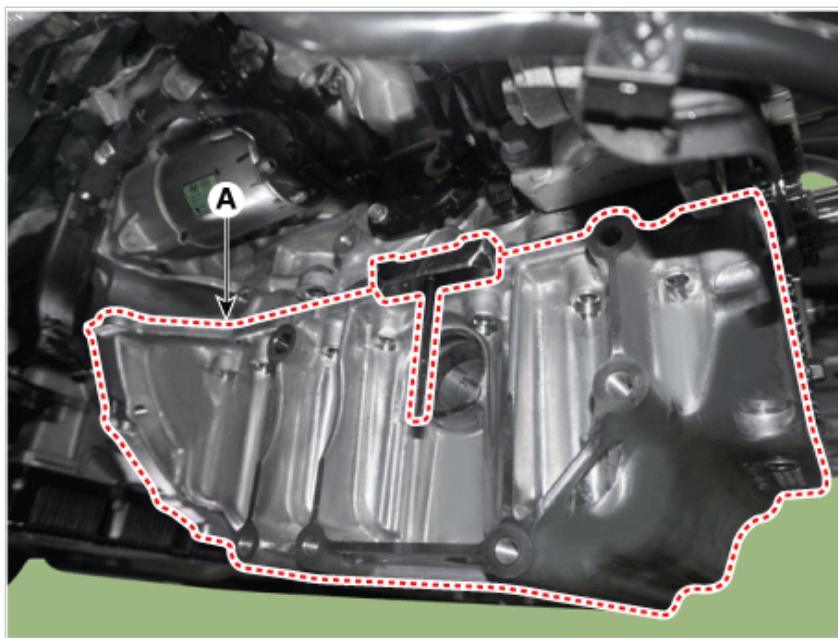
19. Remove the upper oil pan (A).

Insert the blade of SST (09215-3C000) between the upper oil pan and cylinder block. Cut off applied sealer and remove the lower oil pan.

**[2WD]**



**[AWD]**

**NOTICE**

Be careful not to damage the contact surfaces of upper oil pan and cylinder block.

## Installation

### Lower Oil Pan

1. Using a gasket scraper, remove all the old sealant material from the gasket surfaces.
2. Before assembling the lower oil pan, liquid sealant Loctite 5900H, Three bond 1217H or equivalent should be applied on lower oil pan. The part must be assembled within 5 minutes after sealant was applied.

**Bead width : 2.5 mm (0.10 in.)**

**[AWD]**



**[2WD]**

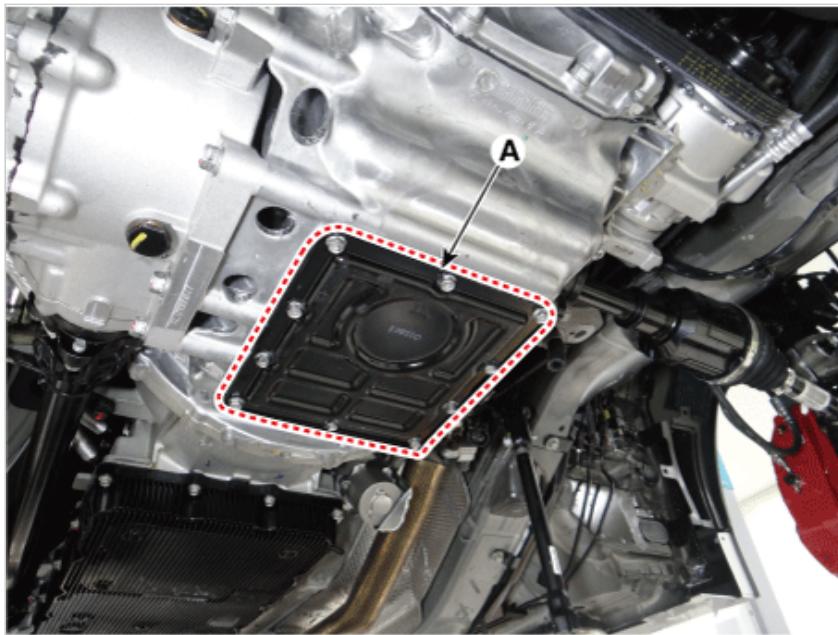
**NOTICE**

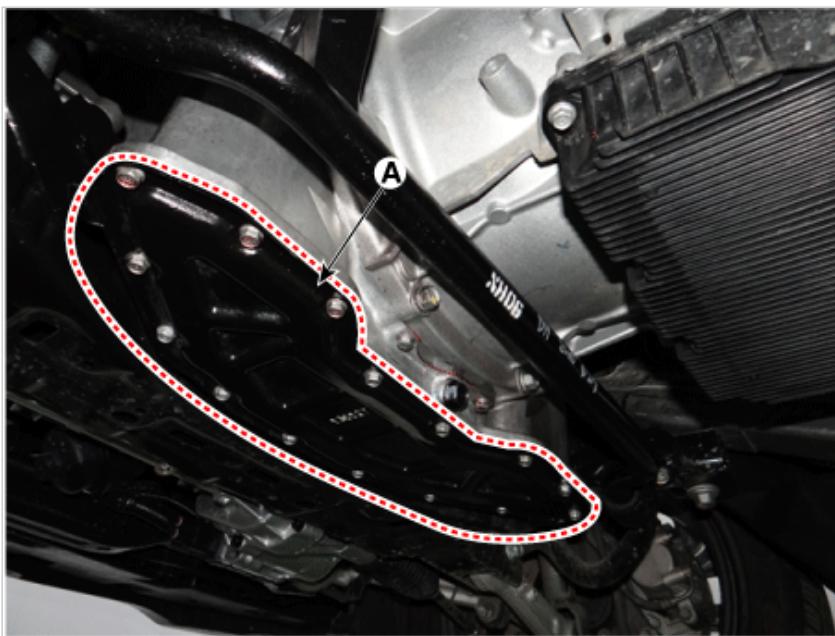
- When applying sealant gasket, sealant must not be protruded into the inside of lower oil pan.
- To prevent leakage of oil, apply sealant gasket on the inner threads of the bolt holes.

3. Install the oil pan (A). Uniformly tighten the bolts in several passes.

**Tightening torque :**

11.8 - 13.7 N·m (1.2 - 1.4 kgf·m, 8.7 - 10.1 lb·ft)





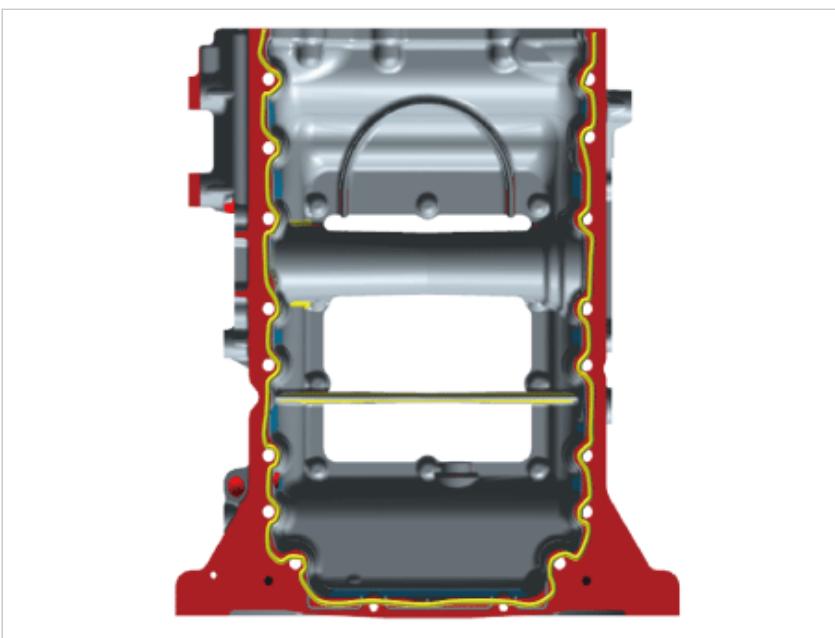
4. Install the other parts in the reverse order of removal.

## Upper Oil Pan

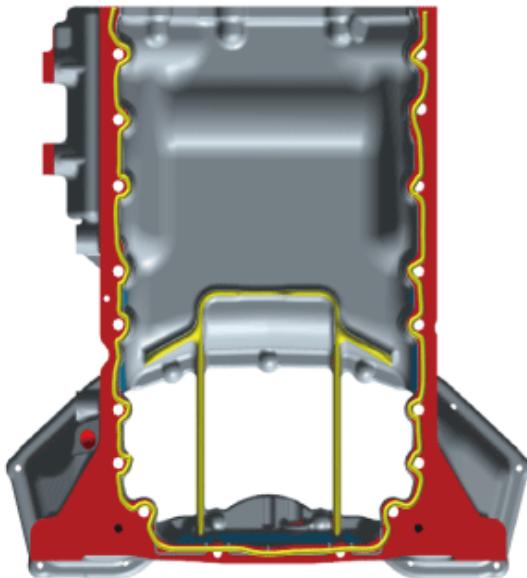
1. Using a gasket scraper, remove all the old sealant material from the gasket surfaces.
2. Before assembling the upper oil pan, liquid sealant Loctite 5900H, Three bond 1217H or equivalent should be applied on upper oil pan. The part must be assembled within 5 minutes after sealant was applied.

**Bead width :2.5 mm (0.10 in.)**

**[AWD]**



**[2WD]**

**NOTICE**

- When applying sealant gasket, sealant must not be protruded into the inside of lower oil pan.
- To prevent leakage of oil, apply sealant gasket on the inner threads of the bolt holes.

3. Install the upper oil pan and then tighten the upper oil pan bolts, in several passes, in the sequence shown.

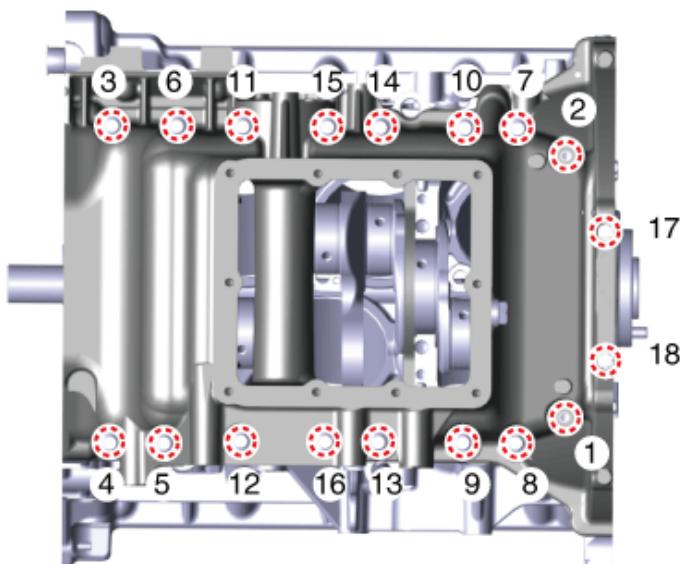
**Tightening torque**

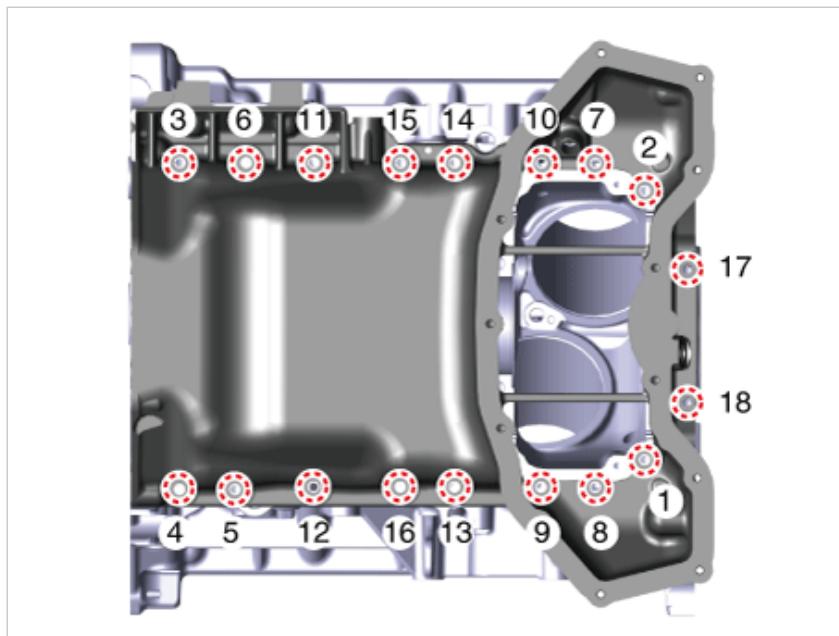
Bolts :

19.6 - 21.6 N·m (2.0 - 2.2 kgf·m, 14.5 - 15.9 lb·ft)

Preassembled washer bolts :

11.8 - 13.7 N·m (1.2 - 1.4 kgf·m, 8.7 - 10.1 lb·ft)





4. Install the other parts in the reverse order of removal.