

Replacement

1. If the compressor is marginally operable, run the engine at idle speed, and let the air conditioning work for a few minutes, then shut the engine off.
2. Disconnect the negative (-) battery terminal.
3. Recover the refrigerant with a recovery / charging station.
(Refer to Air Conditioning System - "Repair procedures")

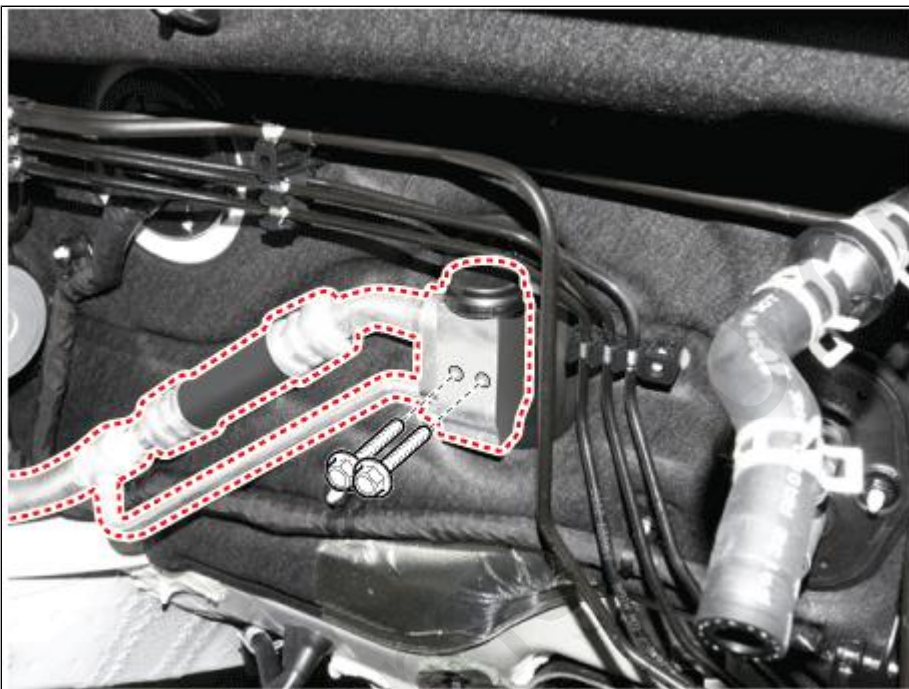
⚠ WARNING

If the POE oil of the system gets mixed with PAG oil, then dielectric breakdown due to decreased volumetric resistivity can occur and inoperative A/C compressor may result, A/C compressor may not work.

4. Remove the bolts and the expansion valve (A) from the evaporator core.

Tightening torque :

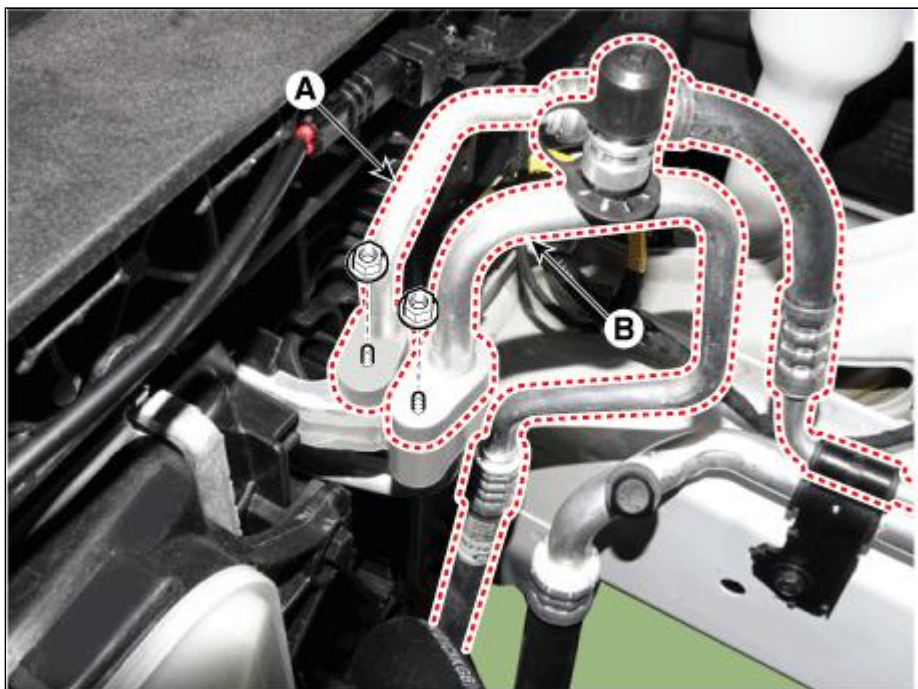
8.8 - 13.7 N.m (0.9 - 1.4 kgf.m, 6.5 - 10.1 lb-ft)



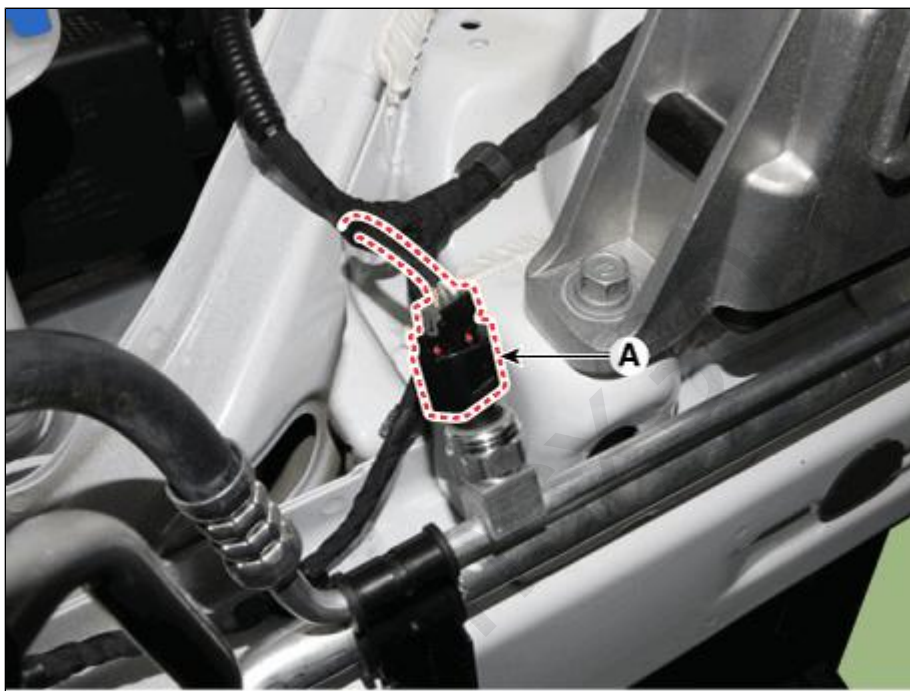
5. Loosen the mounting nuts and then separate the discharge line (B) and liquid line (A).

Tightening torque :

21.6 - 32.4 N.m (2.2 - 3.3 kgf.m, 15.9 - 23.9 lb-ft)



6. Disconnect the A/C pressure transducer connector (A).



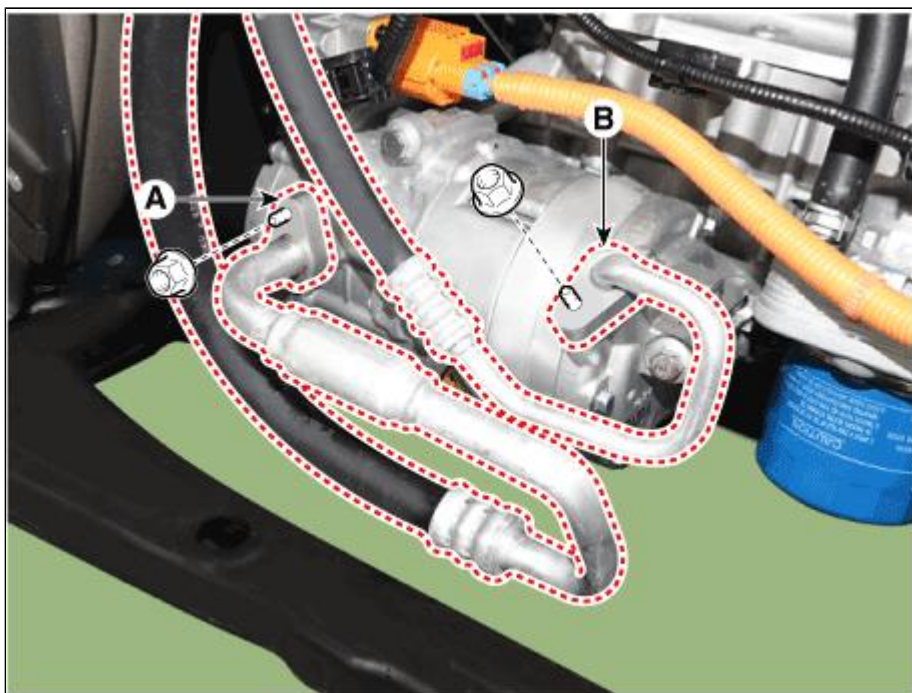
7. Remove the engine room under cover.
(Refer to Engine Mechanical System - "Engine Room Under Cover")
8. Remove the bolts, then disconnect the suction line (A) and discharge line (B) from the compressor.

Tightening torque :

21.6 - 32.4 N.m (2.2 - 3.3 kgf.m, 15.9 - 23.9 lb-ft)

NOTICE

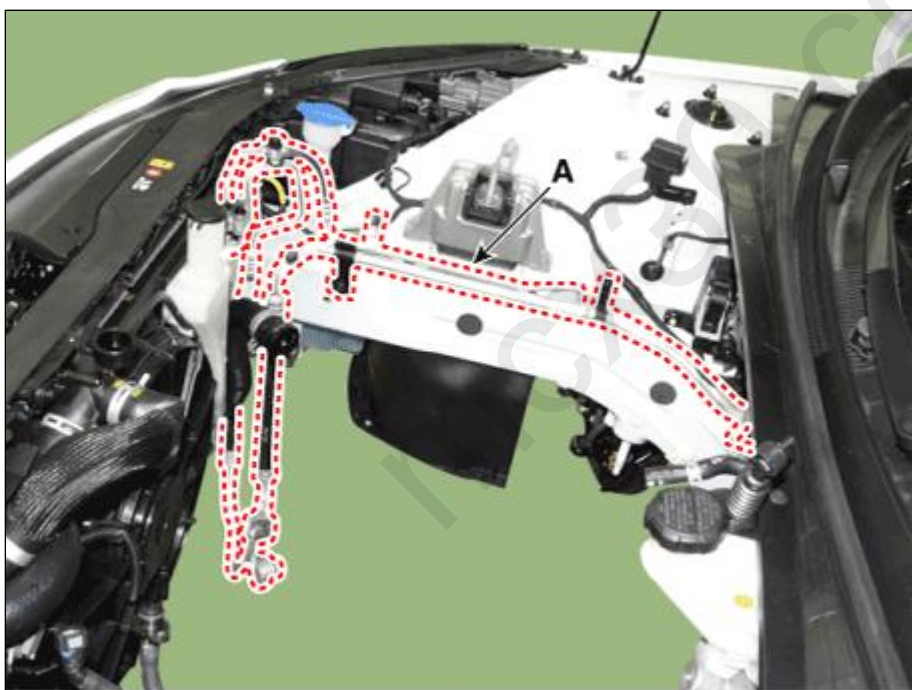
Plug or cap the lines immediately after disconnecting them to avoid moisture and dust contamination.



9. Remove the refrigerant line assembly (A) to the upper of engine room.

Tightening torque :

7.8 - 11.8 N.m (0.8 - 1.2 kgf.m, 5.8 - 8.7 lb-ft)



10. To install, reverse the removal procedure.

⚠ CAUTION

Plug or cap the lines immediately after disconnecting them to avoid moisture and dust contamination.
Tighten the bolt or nut joint to the specified torque.
Using a gas leak detector, check for refrigerant leakage.
Evacuate air in the refrigeration system and charge system with refrigerant.

Capacity :

600 ± 25 g (21.2 ± 0.88 oz.)

Liquid line (Condenser Direction)

1. Remove the front bumper.
(Refer to Body (Interior and Exterior) - "Front Bumper Assembly")
2. Recover the refrigerant with a recovery / charging station.
(Refer to Air Conditioning System - "Repair procedures")

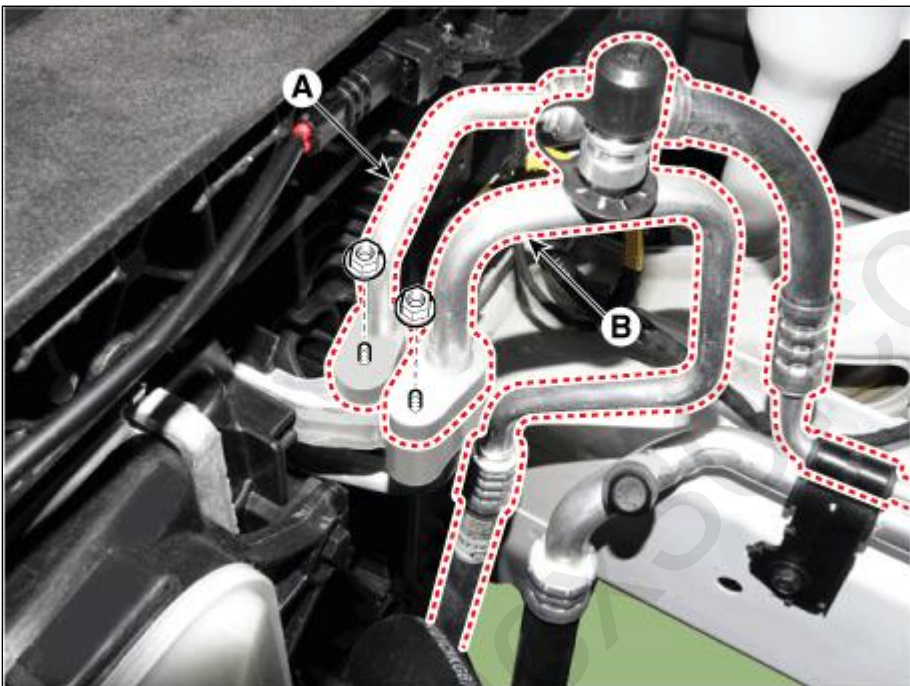
⚠ WARNING

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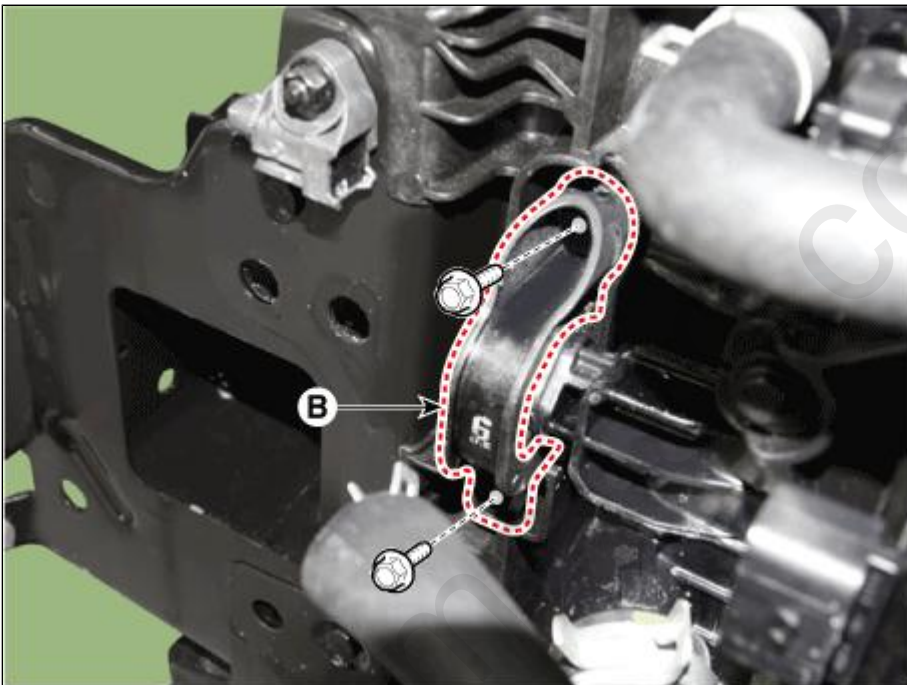
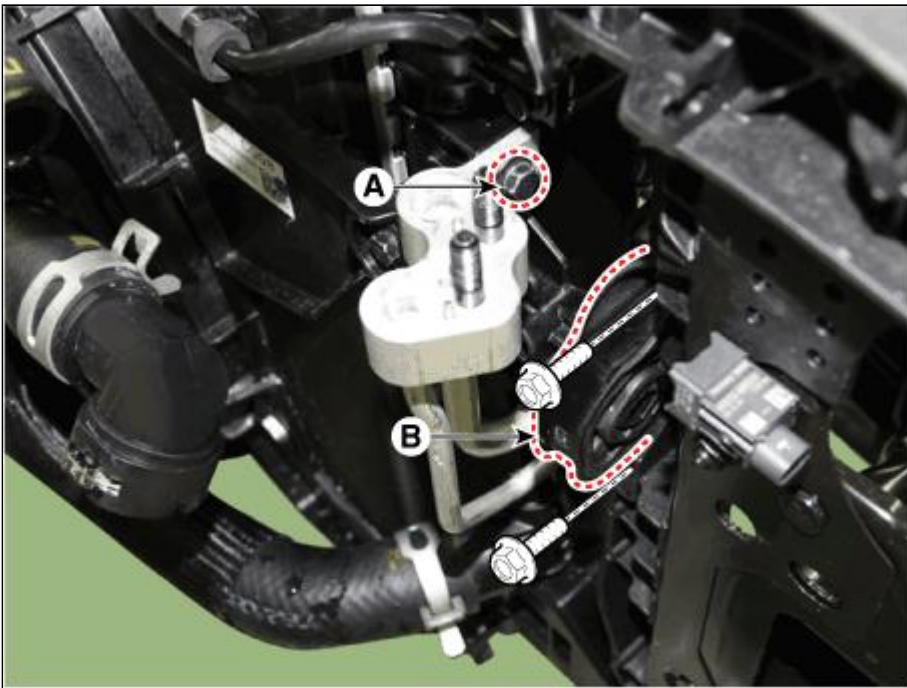
3. Loosen the mounting nuts and then separate the discharge line (B) and liquid line (A).

Tightening torque :

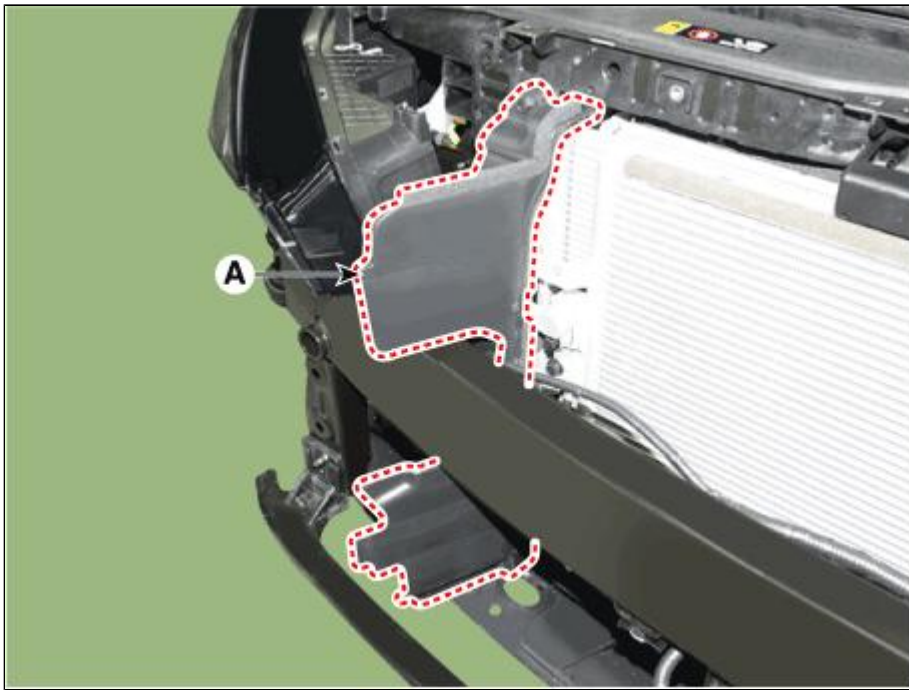
21.6 - 32.4 N.m (2.2 - 3.3 kgf.m, 15.9 - 23.9 lb-ft)



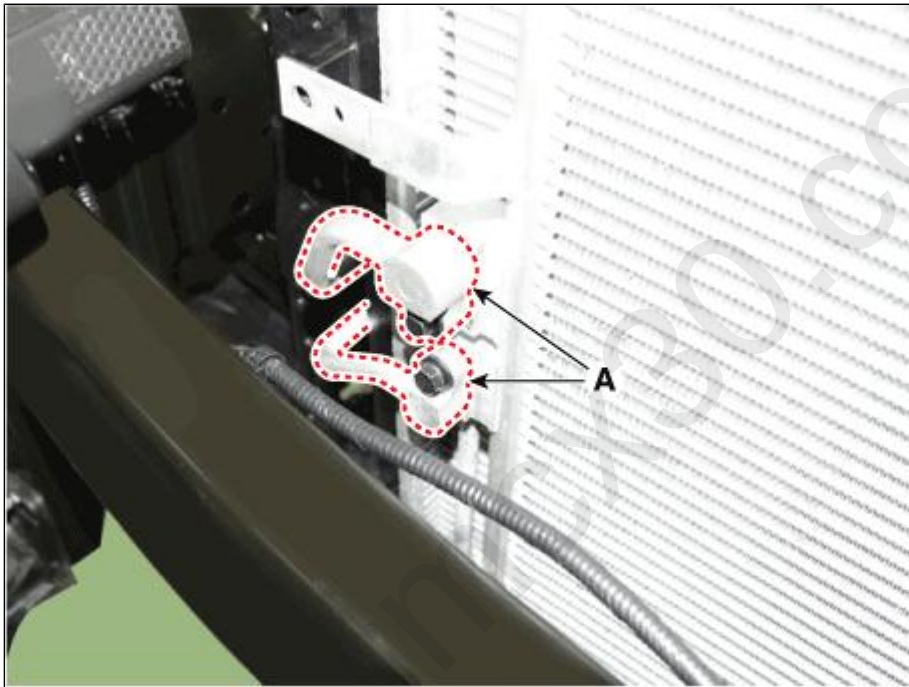
4. Loosen the liquid line mounting bolt (A).
5. Loosen the mounting bolts, remove the radiator engine mounting bracket (B).



6. Loosen the mounting clip and bolt, remove the air guard (A).



7. Loosen the mounting bolts, remove the liquid line (A).





8. To install, reverse the removal procedure.

⚠ CAUTION

Plug or cap the lines immediately after disconnecting them to avoid moisture and dust contamination.
Tighten the bolt or nut joint to the specified torque.
Using a gas leak detector, check for refrigerant leakage.
Evacuate air in the refrigeration system and charge system with refrigerant.

Capacity :

$600 \pm 25 \text{ g}$ ($21.2 \pm 0.88 \text{ oz.}$)

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