

Component Procedures: Radiator

Table of Contents

1. Parts and Labor (itype_189)
2. Radiator - Components and Components Location (Article 45368)
3. Radiator - Repair Procedures (Article 45369)

Component Procedures: Radiator

Parts and Labor (itype_189)

Parts

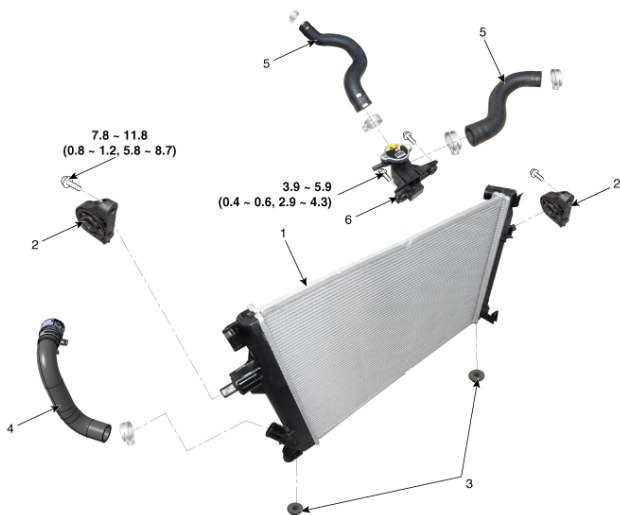
Qualifier	Part #	Name	Price	Note
Radiator > Lower Hose	25415F2100	3 - Lower Hose	48.27	
Radiator > Radiator	25310F2000	1 - Radiator	475.67	
Radiator > Radiator Cap	25330B1000	4 - Radiator Cap	19.16	
Radiator > Upper Hose	25414F2100	2 - Upper Hose	31.63	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Radiator > Lower Hose, R&R	C	1.0	0.0
Remove & Replace	Radiator > Radiator, R&R	B	3.3	0.0
Remove & Replace	Radiator > Upper Hose, R&R	C	0.7	0.0

Radiator - Components and Components Location (Article 45368)

- Components



Tightening torque : N.m (kgf.m, lb-ft)

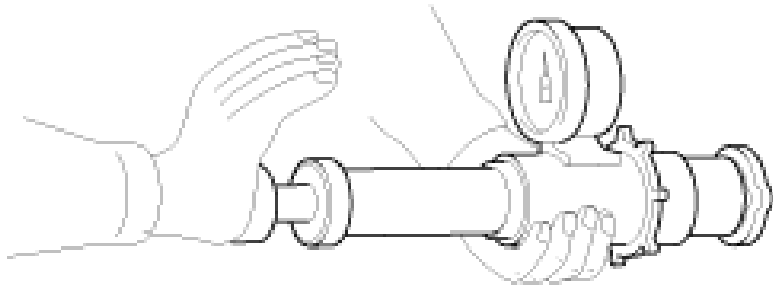
1. Radiator assembly 2. Radiator upper mounting bracket 3. Mounting insulator 4. Radiator lower hose quick connector 5. Radiator upper hose 6. Filler neck assembly

Radiator - Repair Procedures (Article 45369)

- Inspection

Radiator Cap Testing

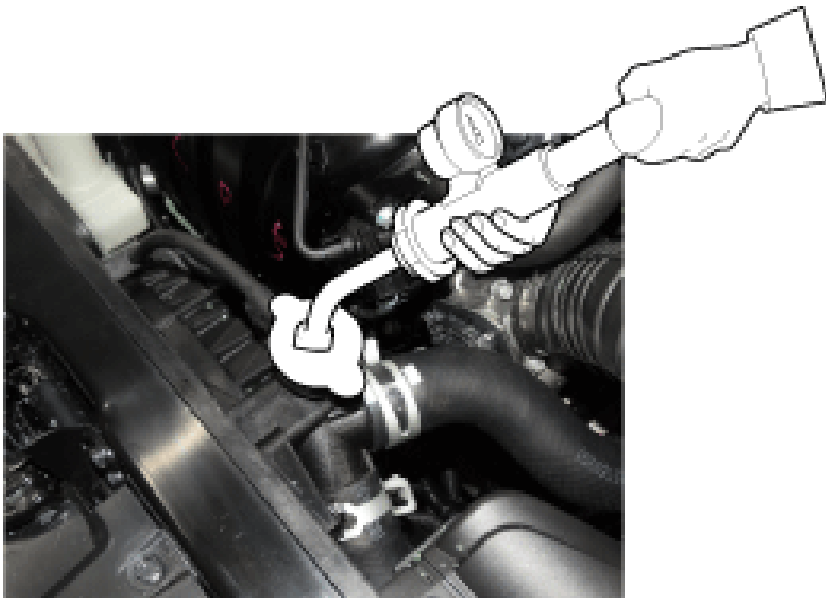
- Remove the radiator cap, wet its seal with engine coolant, and then install it on a pressure tester.



- Apply a pressure of 93.16-122.58kPa (0.95-1.25 kgf/cm², 13.51-17.78psi).
- Check for a drop in pressure.
- If the pressure drops, replace the cap.

Radiator Leakage Test

- Wait until engine is cool, then carefully remove the radiator cap and fill the radiator with engine coolant, then install it on the pressure tester.
- Apply a pressure tester to the radiator and apply a pressure of 93.16-122.58kpa (0.95-1.25kg/cm², 13.51-17.78psi).



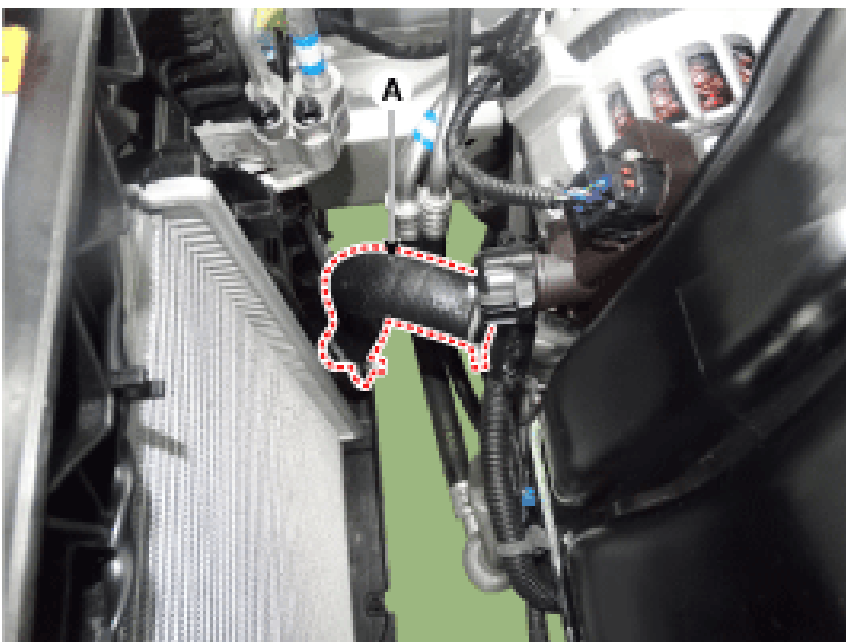
- Inspect for engine coolant leaks and a drop in pressure.
 - Remove the tester and reinstall the radiator cap. Check for engine oil in the coolant and/or coolant in the engine oil.
- Check for engine oil in the coolant and/or coolant in the engine oil.

NOTICE

- Check for engine oil in the coolant and/or coolant in the engine oil.
- Removal and Installation
- Drain the coolant. (Refer to Cooling System - "Coolant")
- Remove the cooling fan . (Refer to Cooling System - "Cooling Fan")
- Remove the radiator upper hose (A).

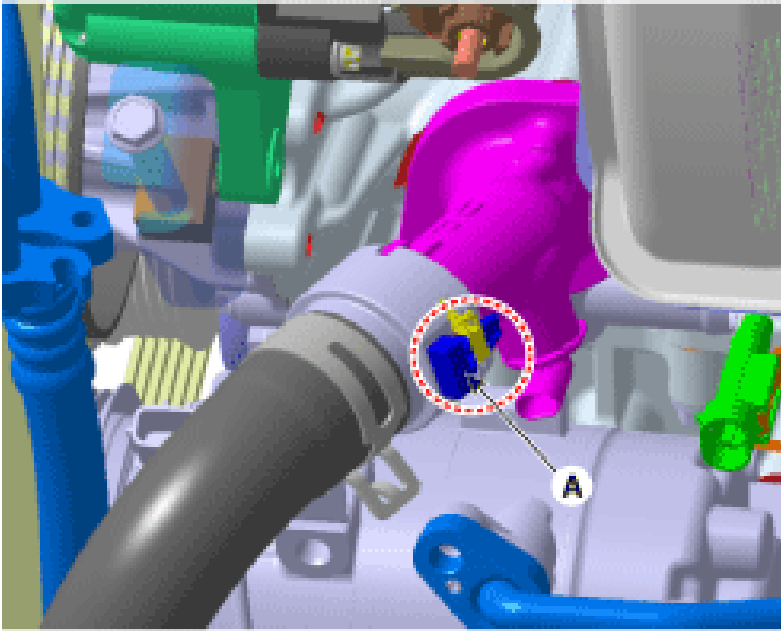


- Remove the Radiator lower hose quick connector (A). When the hose detached, remove the holder clip (A) and then disconnect the quick connector.



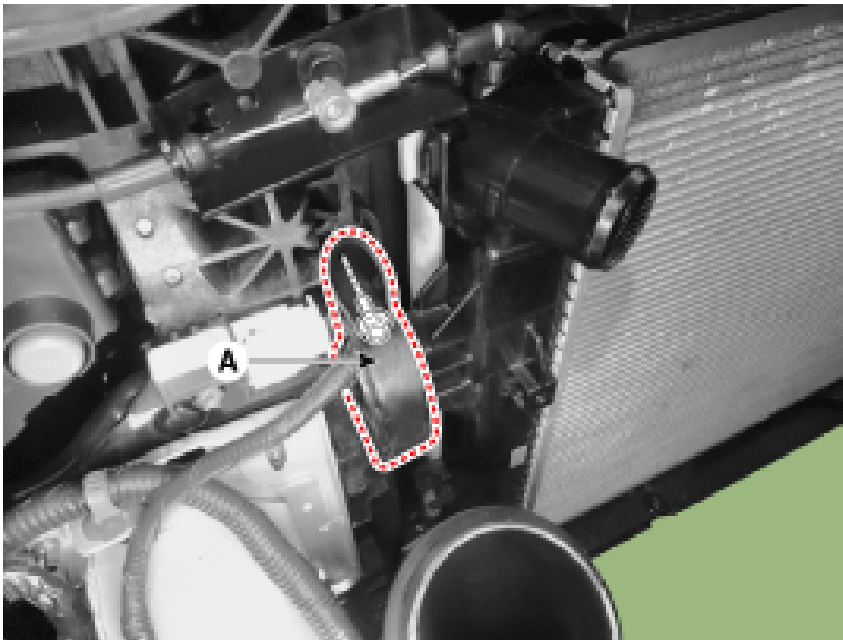
- When the hose detached, remove the holder clip (A) and then disconnect the quick connector.

- When the hose detached, remove the holder clip (A) and then disconnect the quick connector.

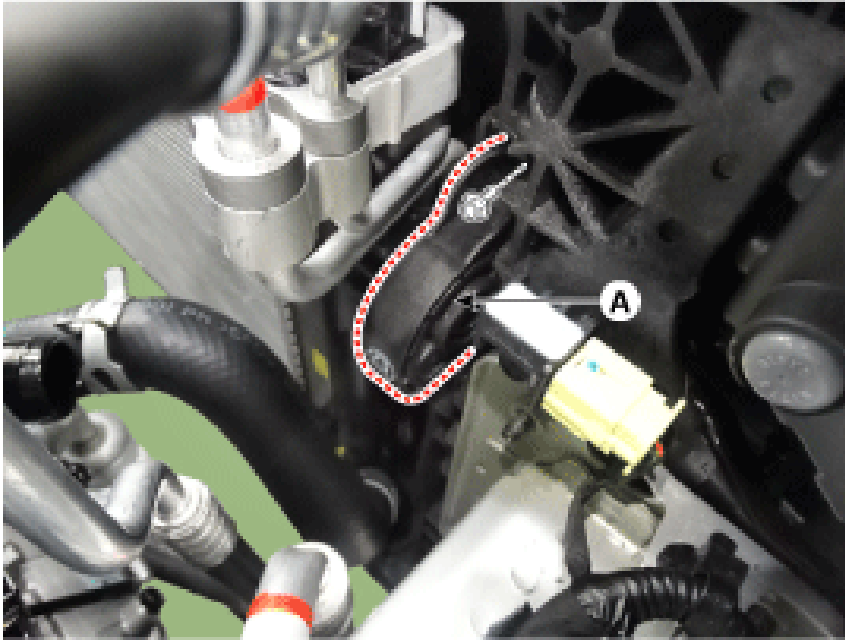


- Remove the front bumper cover . (Refer to Body - "Front Bumper Cover")

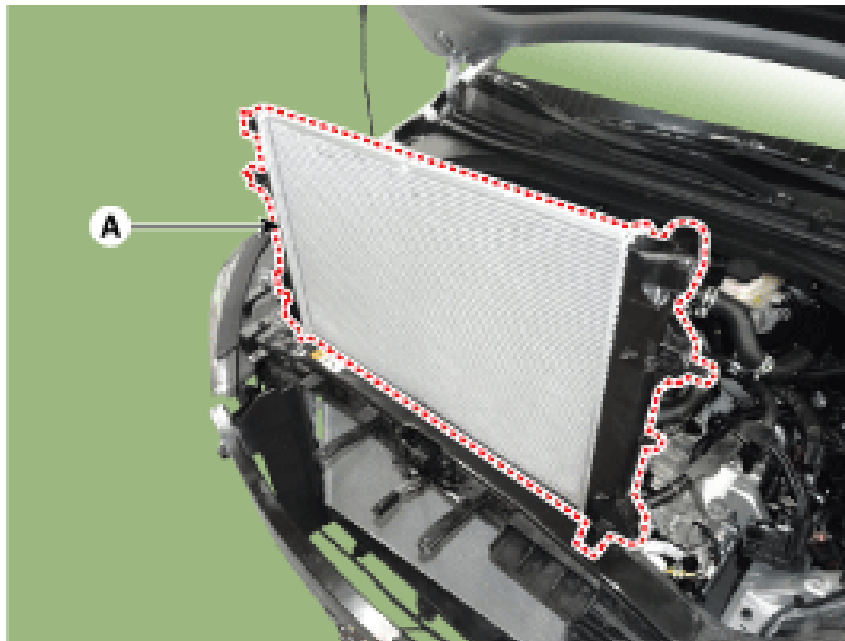
- Remove the radiator upper mounting brackets (A). Tightening torque : 7.8 - 11.8 N.m (0.8 - 1.2 kgf.m, 5.8 - 8.7 lb-ft) [LH] [RH]
[LH]



[RH]



- Remove the resonator . (Refer to Intake and Exhaust System - "Air Cleaner")
- Remove the A/C condenser from the radiator assembly.
- Remove the radiator assembly (A) from the vehicle.



- Install in the reverse order of removal.
- Fill the radiator with coolant and check for leaks. (Refer to Cooling System - "Coolant") Bleed air from the cooling system . (Refer to Cooling System - "Coolant")
- Bleed air from the cooling system . (Refer to Cooling System - "Coolant")
- Bleed air from the cooling system .
- (Refer to Cooling System - "Coolant")