

Component Procedures: Manual Transmission/Transaxle

Table of Contents

1. Parts and Labor (itype_189)
2. Specifications Quick Reference (itype_439)
3. M6CF3-1 - Manual Transaxle (Article 44509)
4. Engine and Transaxle Assembly - Repair Procedures (Article 45324)
5. M6CF3-1 - Manual Transaxle (Article 44505)
6. M6CF3-1 - Manual Transaxle (Article 44491)
7. M6CF3-1 - Manual Transaxle (Article 44493)
8. M6CF3-1 - Manual Transaxle (Article 44501)
9. M6CF3-1 - Manual Transaxle (Article 44499)

Component Procedures: Manual Transmission/Transaxle

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Gear Shift Control	43794F3200	Shift Control Cable	209.44	
Gear Shift Control > Gear Sh?	43700F2450TKW	With Leather	212.81	
Gear Shift Control > Gear Sh?	43700F2110TCS	Without Leather	232.39	
Manual Transaxle	4300032AB6	Transaxle	4178.05	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Change	Manual Transaxle > Trans Fluid, Change	C	0.5	0.0
Remove & Replace	Gear Shift Control > Gear Shift Assembly, R&R	B	1.9	0.0
Remove & Replace	Gear Shift Control > Shift Control Cable, R&R	B	1.5	0.0
Remove & Replace	Manual Transaxle > Transaxle, R&R	B	5.2	0.0
Remove & Install	Manual Transaxle > Transaxle, R&I	B	4.9	0.0
Adjust	Gear Shift Control > Shift Control Cable, Adj?	B	0.4	0.0
Overhaul	Manual Transaxle > Transaxle, Overhaul	A	12.8	0.0
Overhaul	Manual Transaxle > Transaxle, Overhaul > NOTE?		1.5	

Specifications Quick Reference (itype_439)

Quick Specifications

- item

M6CF3-1 - Manual Transaxle (Article 44509)

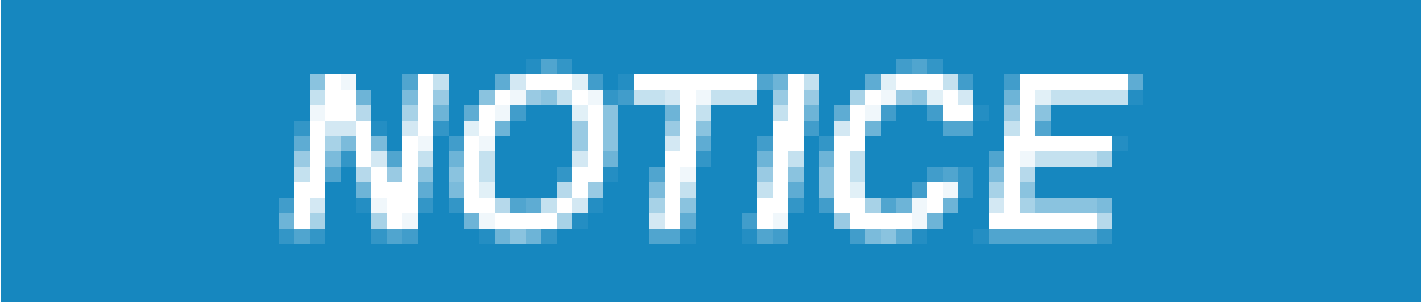
Non Standards

- Manual Transaxle - Components and Components Location (44510)

Engine and Transaxle Assembly - Repair Procedures (Article 45324)

- Removal

Use fender covers to avoid damaging painted surfaces. To avoid damage, unplug the wiring connectors carefully while holding the connector portion.

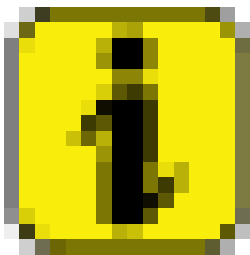


NOTICE

- Use fender covers to avoid damaging painted surfaces.

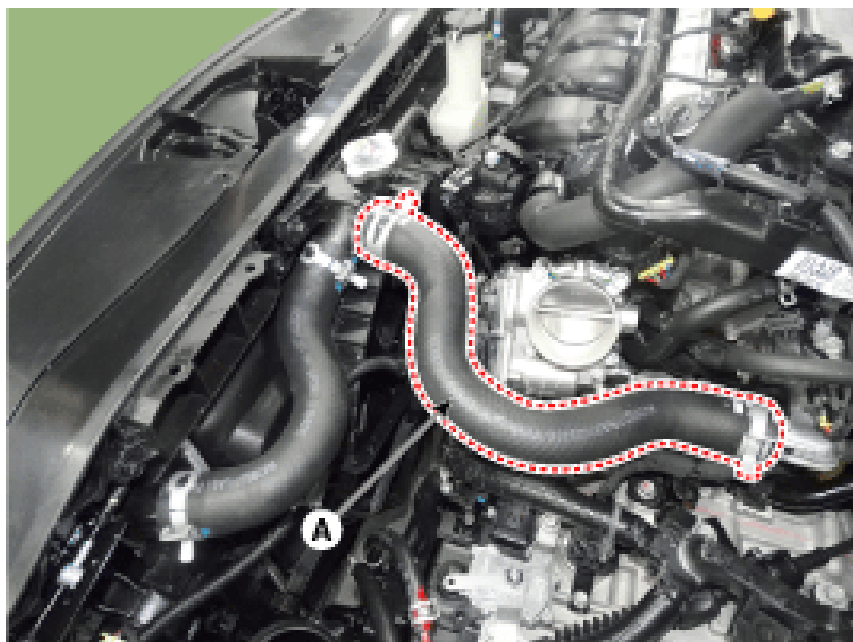
- To avoid damage, unplug the wiring connectors carefully while holding the connector portion.

Mark all wiring and hoses to avoid misconnection. For release the fuel system pressure before remove the engine assembly, start the engine without fuel pump relay. and then turn off the ignition switch after engine stops.

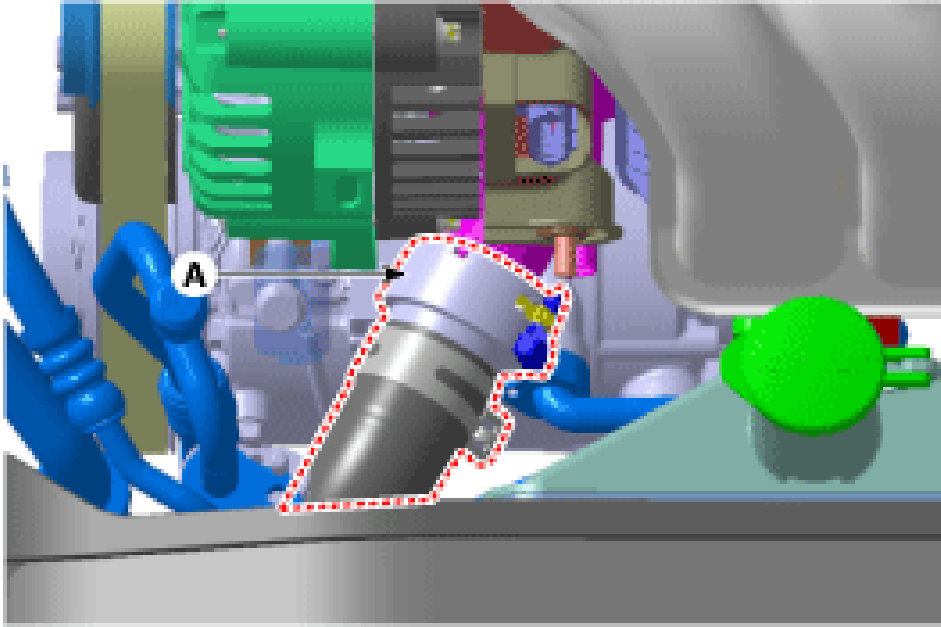


Information

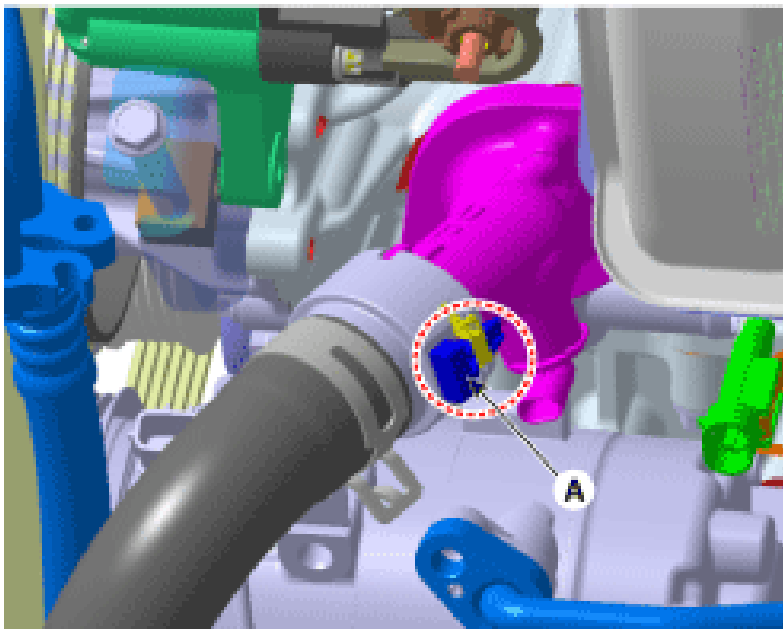
- Mark all wiring and hoses to avoid misconnection.
- For release the fuel system pressure before remove the engine assembly, start the engine without fuel pump relay. and then turn off the ignition switch after engine stops.
- Remove the engine cover. (Refer to Engine and Transaxle Assembly - "Engine Cover")
- Remove the air duct and air cleaner assembly. (Refer to Intake and Exhasut System - "Air Cleaner")
- Remove the battery. (Refer to Engine Electrical System - "Battery")
- Remove the ECM (Engine Control Module). (Refer to Engine Control / Fuel System - "Engine Control Module (ECM)")
- Remove the battery tray. (Refer to Engine Electrical System - "Battery")
- Remove the engine room under cover. (Refer to Engine and Transaxle Assembly - "Engine Room Under Cover")
- Drain the engine coolant. (Refer to Cooling System - "Coolant")
- Disconnect the radiator upper hose (A).



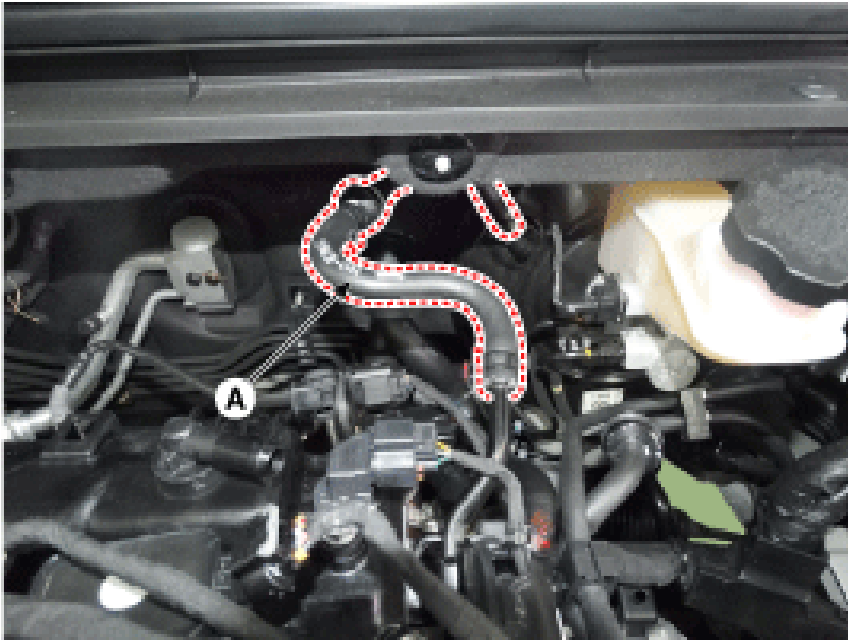
- Disconnect the Radiator lower hose quick connector (A). When the hose detached, remove the holder clip (A) and then disconnect the quick connector.



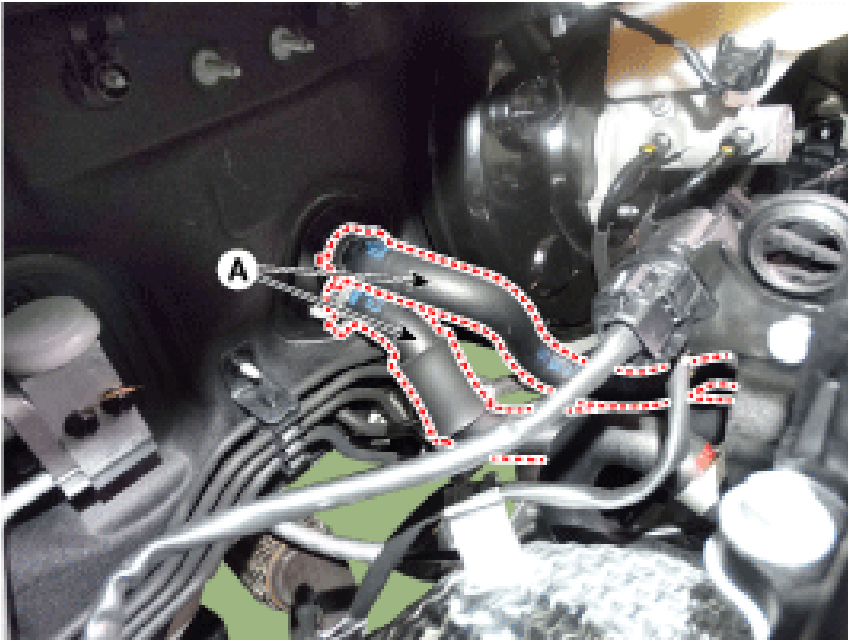
- When the hose detached, remove the holder clip (A) and then disconnect the quick connector.
- When the hose detached, remove the holder clip (A) and then disconnect the quick connector.



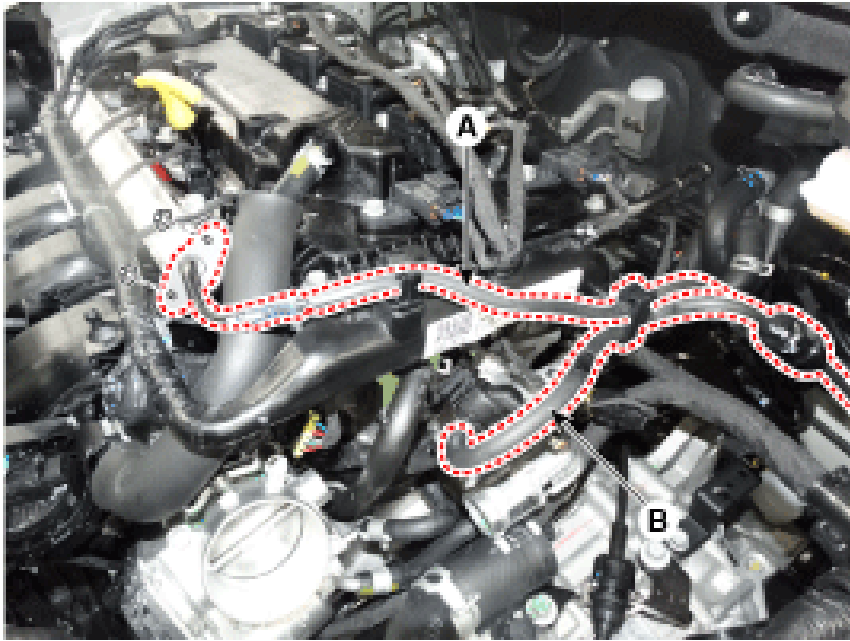
- Recover the refrigerant and then remove the high pressure pipe and low pressure pipe. (Refer to Heating, Ventilation Air conditioning - "Compressor")
- Remove the transaxle wire harness connectors and control cable from the transaxle. (Refer to Automatic Transaxle System - "Automatic Transaxle")
- Disconnect the brake booster vacuum hose (A).



- Disconnect the heater hoses (A).

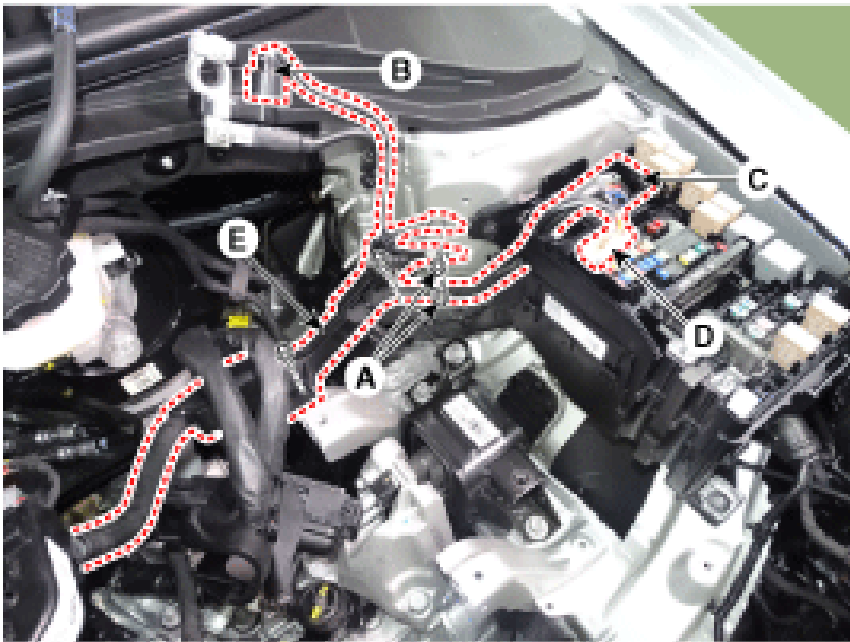


- Disconnect the fuel hose (A) and the purge control solenoid valve (PCSV) hose (B).

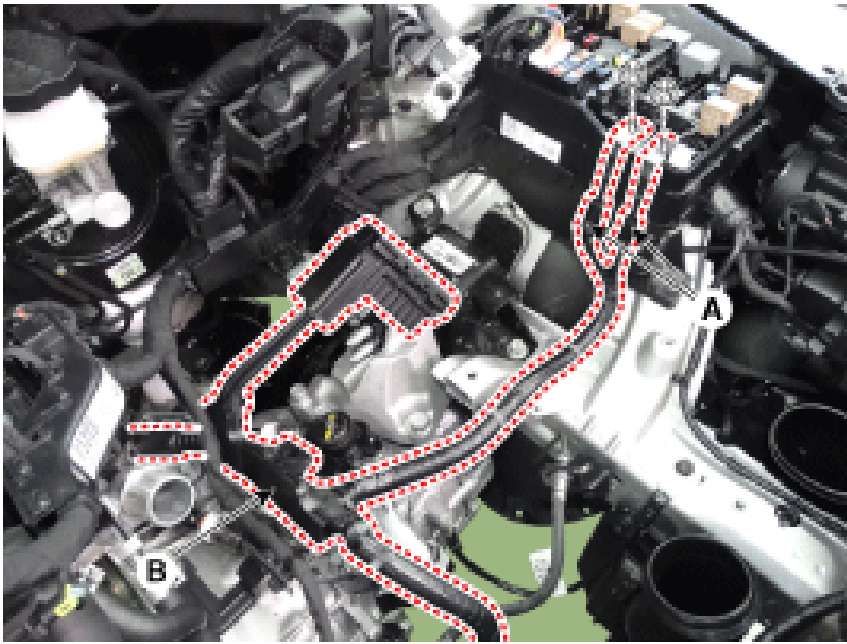


- Disconnect the wiring harness from the engine room. Remove the ground bolt (A). Disconnect the battery negative terminal connector (B). Disconnect the front harness connector (C). Disconnect the PCB block (D). Disconnect the wiring protector (E). Disconnect the battery positive wirings (A). Disconnect the wiring protector (B).

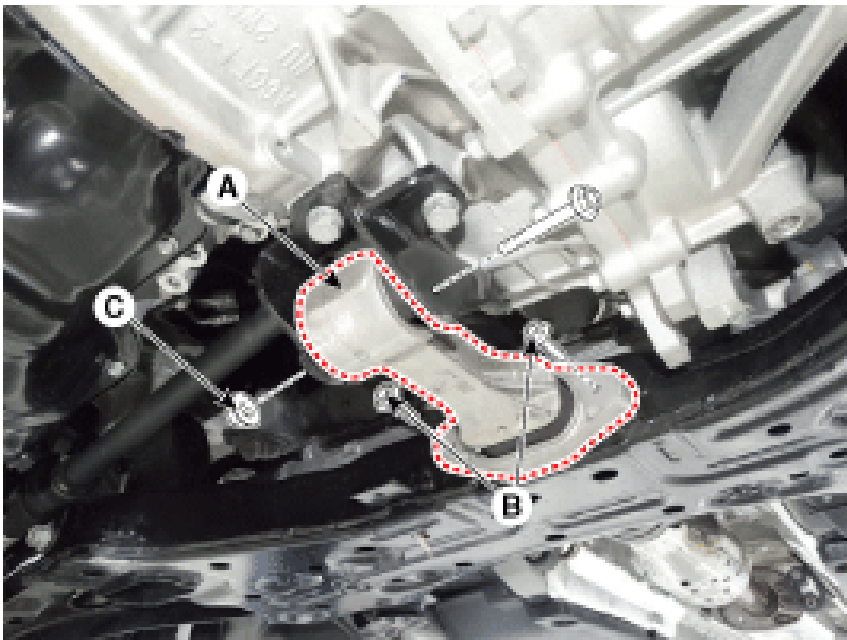
- Remove the ground bolt (A).
- Disconnect the battery negative terminal connector (B).
- Disconnect the front harness connector (C).
- Disconnect the PCB block (D).
- Disconnect the wiring protector (E).



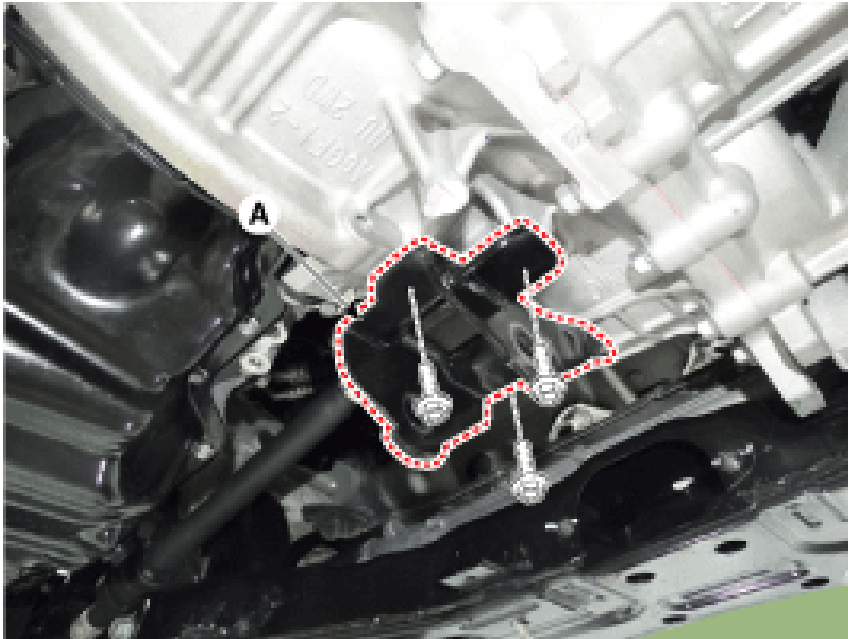
- Disconnect the battery positive wirings (A).
- Disconnect the wiring protector (B).



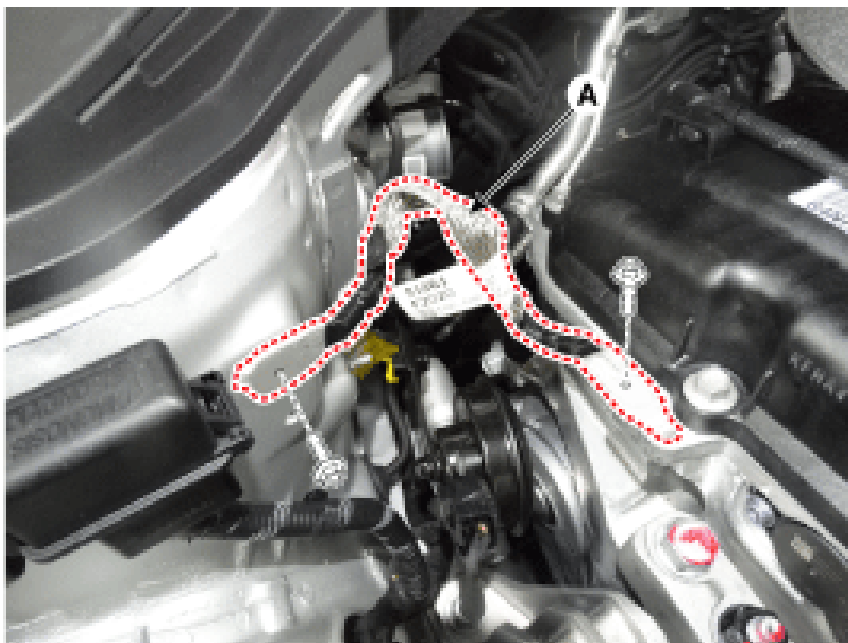
- Remove the front muffler. (Refer to Intake and Exhaust System - "Muffler")
- Remove the steering U-joint mounting bolts. (Refer to Steering System - "Steering Column and Shaft")
- Remove the roll rod bracket (A). Tightening torque Bolts (B) : 49.0 - 63.7 N.m (5.0 - 6.5 kgf.m, 36.2 - 47.0 lb-ft) Nut (C) : 107.9 - 127.5 N.m (11.0 - 13.0 kgf.m, 79.6 - 94.0 lb-ft)



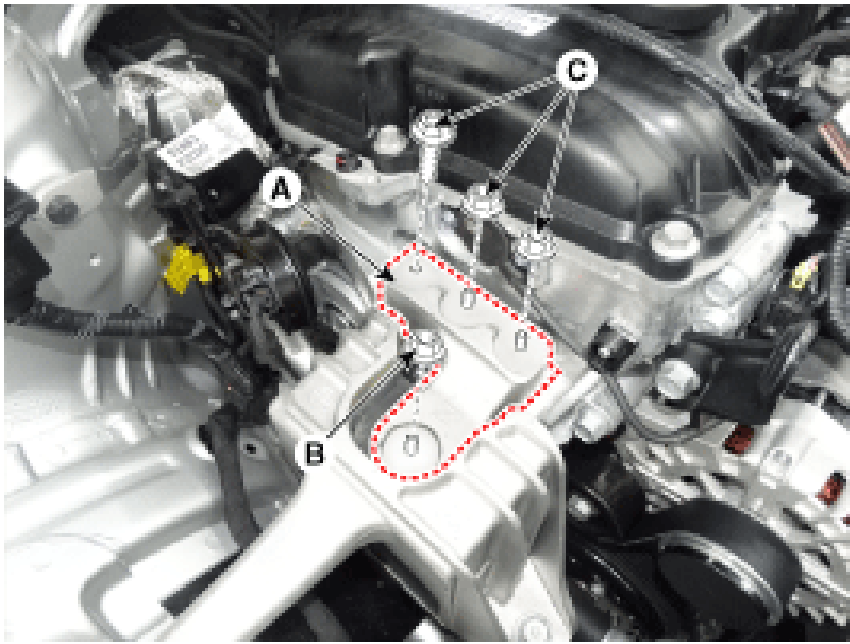
- Remove the roll rod mounting support bracket (A). Tightening torque : 49.0 - 68.6 N.m (5.0 - 7.0 kgf.m, 36.2 - 50.6 lb-ft)



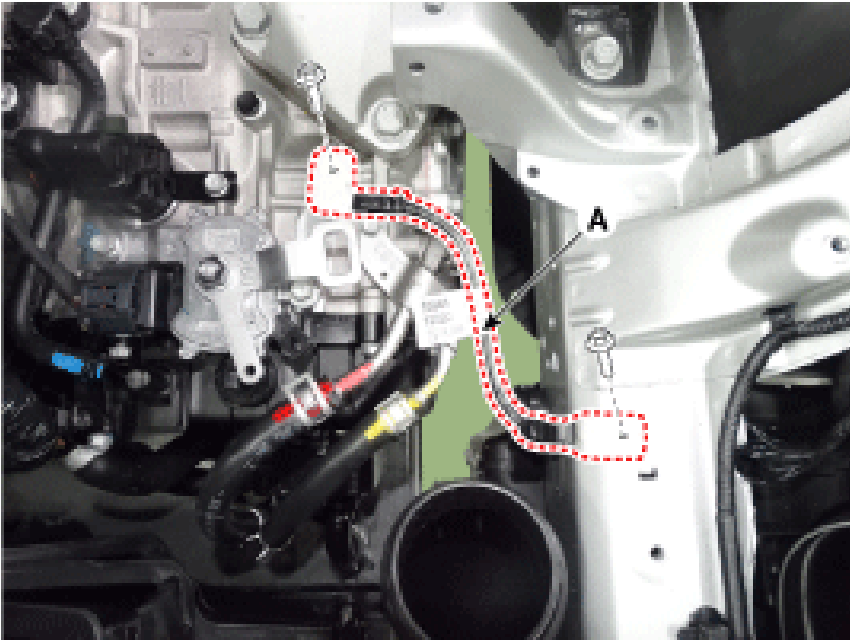
- Remove the sub frame. (Refer to Suspension System - "Sub Frame")
- Support the engine and transaxle assembly with a floor jack.
- Disconnect the ground cable (A). Tightening torque : 10.8 - 13.7 N.m (1.1 - 1.4 kgf.m. 8.0 - 10.1 lb-ft)



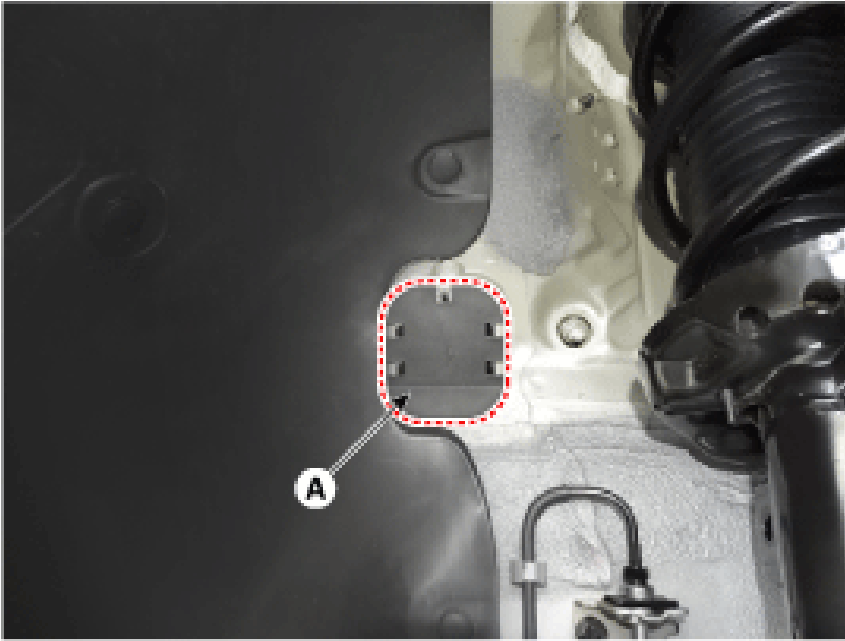
- Remove the engine mounting support bracket (A). Tightening torque Nut (B) : 88.3 - 107.9 N.m (9.0 - 11.0 kgf.m, 65.1 - 79.6 lb-ft) Bolt, Nuts (C) : 58.8 - 73.5 N.m (6.0 - 7.5 kgf.m, 43.4 - 54.2 lb-ft)



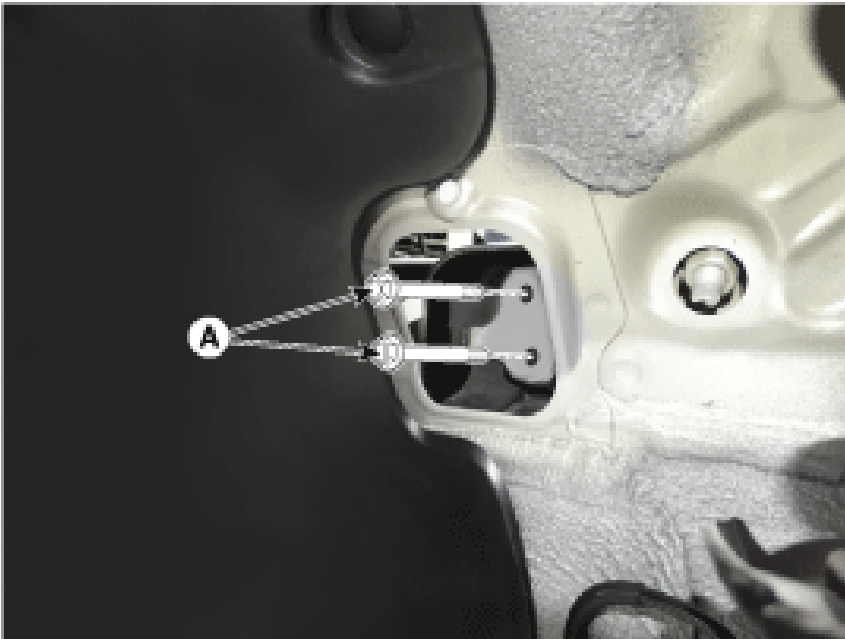
- Disconnect the ground line (A). Tightening torque : 10.8 - 13.7 N.m (1.1 - 1.4 kgf.m, 8.0 - 10.1 lb-ft)



- Remove the service cover (A).



- Remove the transaxle support bracket mounting bolts (A). Tightening torque : 88.3 - 107.9 N.m (9.0 - 11.0 kgf.m, 65.1 - 79.6 lb-ft)



- Remove the engine and transaxle assembly by lifting vehicle. Before removing the engine and transaxle assembly, make sure hoses and wire connectors are disconnected. When removing the engine and transaxle assembly, be careful not to damage any surrounding parts or body components.



Before removing the engine and transaxle assembly, make sure hoses and wire connectors are disconnected. When removing the engine and transaxle assembly, be careful not to damage any surrounding parts or body components.

- Before removing the engine and transaxle assembly, make sure hoses and wire connectors are disconnected.
- When removing the engine and transaxle assembly, be careful not to damage any surrounding parts or body components.
- Installation
- Adjust shift cable .
- Adjust throttle cable.
- Refill engine with engine oil.
- Refill transaxle with fluid.
- Refill radiator and reservoir tank with engine coolant.
- Place heater control knob on "HOT" position.
- Bleed air from the cooling system.
- (Refer to Cooling System - "Coolant")
- Clean battery posts and cable terminals with sandpaper assemble them, then apply grease to prevent corrosion.
- Inspect for fuel leakage.
- After assemble the fuel line, turn on the ignition switch (do not operate the starter) so that the fuel pump runs for approximately two seconds and fuel line pressurizes.
- Repeat this operation two or three times, then check for fuel leakage at any point in the fuel line.

M6CF3-1 - Manual Transaxle (Article 44505)

Non Standards

- Manual Transaxle - Repair Procedures (44511)
- Manual Transaxle Fluid - Repair Procedures (44506)

M6CF3-1 - Manual Transaxle (Article 44491)

Non Standards

- Manual Transaxle System - Specifications (44492)

M6CF3-1 - Manual Transaxle (Article 44493)

Non Standards

- Manual Transaxle System - Specifications (44494)

M6CF3-1 - Manual Transaxle (Article 44501)

Non Standards

- General Information - Troubleshooting (44502)

M6CF3-1 - Manual Transaxle (Article 44499)

Non Standards

- Manual Transaxle System - Special Service Tools (44500)