

Component Procedures: Brake Master Cylinder

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Component Procedures: Brake Master Cylinder

Parts and Labor (itype_189)

Parts

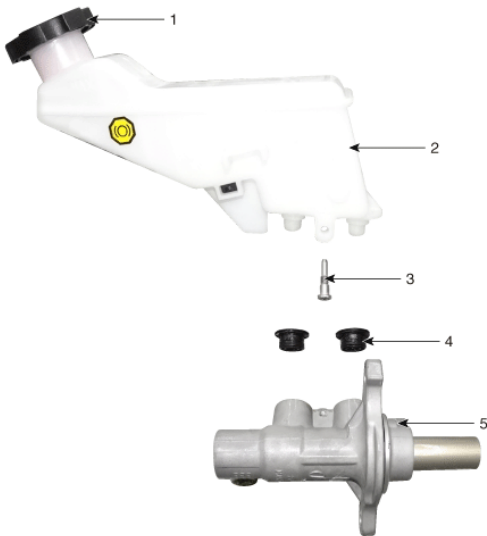
Qualifier	Part #	Name	Price	Note
Hydraulic System	58510F2400	Master Cylinder	420.81	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Hydraulic System > Master Cylinder, R&R	B	1.3	0.0

Master Cylinder - Components and Components Location (Article 45171)

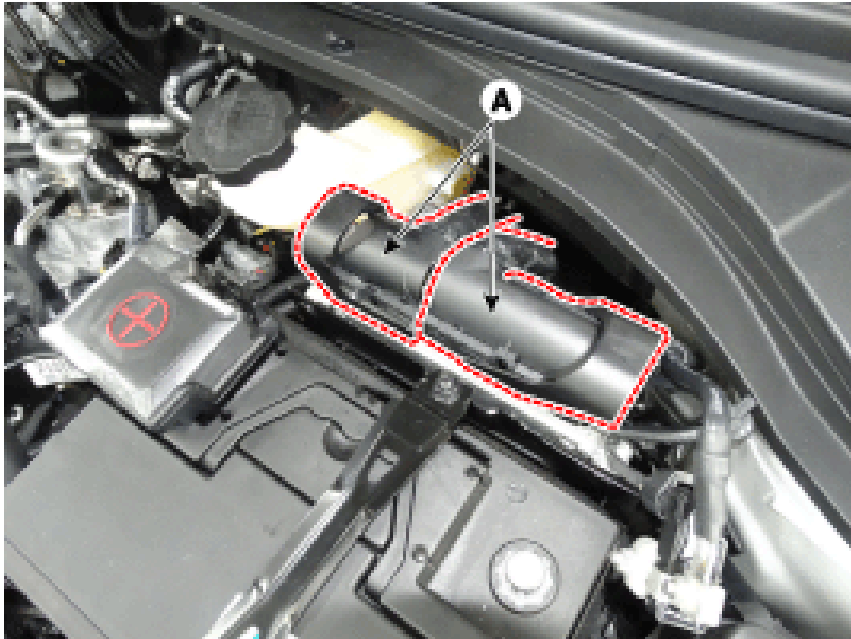
- Components



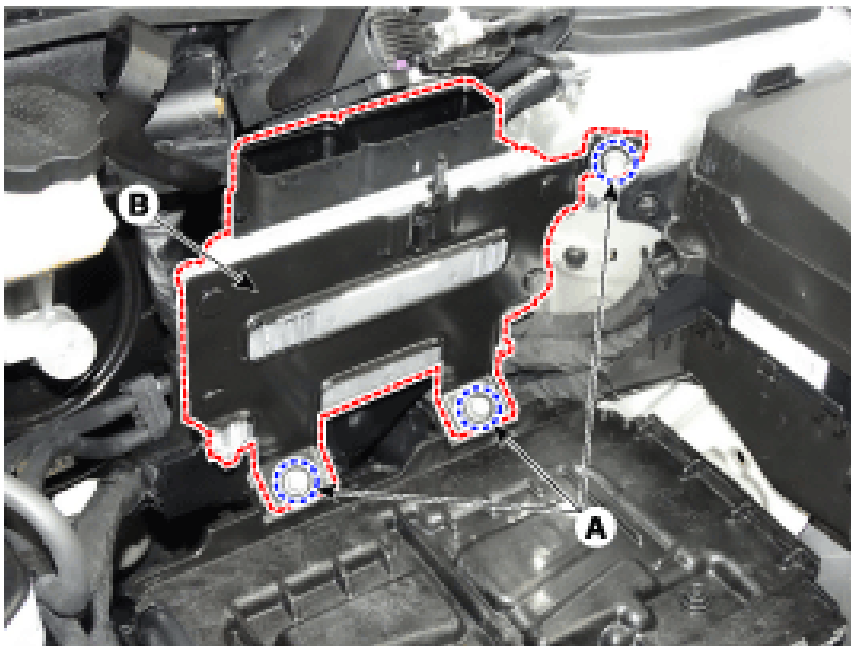
1. Reservoir cap 2. Reservoir 3. Reservoir 4. Grommet 5. Master cylinder

Master Cylinder - Repair Procedures (Article 45172)

- Removal
- Turn ignition switch OFF and disconnect the negative (-) battery cable.
- Remove the battery. (Refer to Engine Electrical System - "Battery")
- Remove the ECM (A).



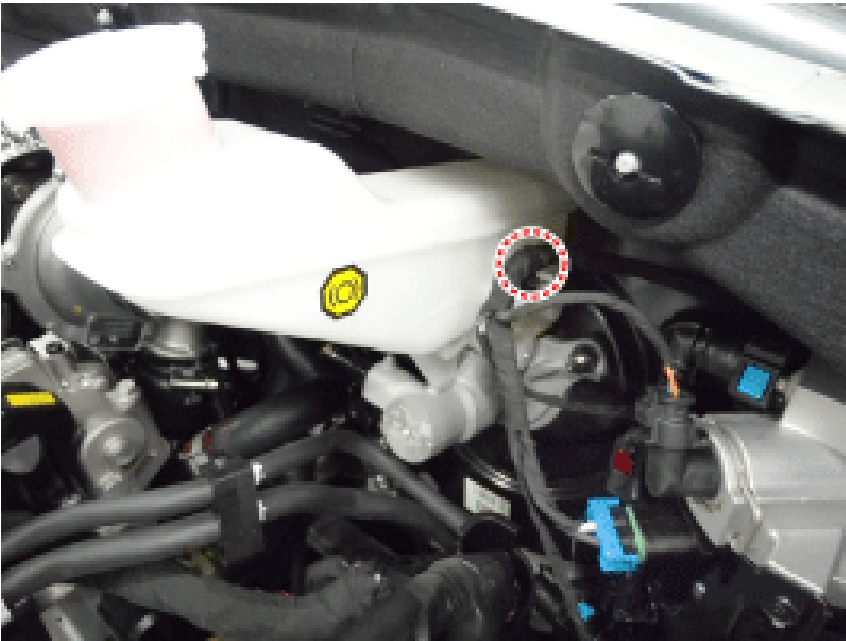
- Loosen the mounting bolts (A) and then remove the ECM bracket (B).



- Disconnect the brake fluid level switch connector.



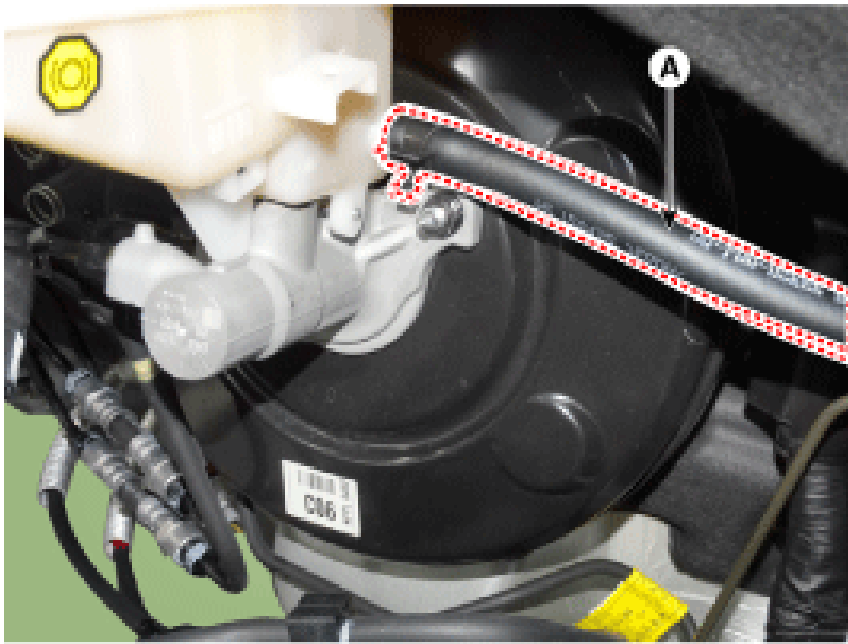
- Remove the wiring fixed clip.



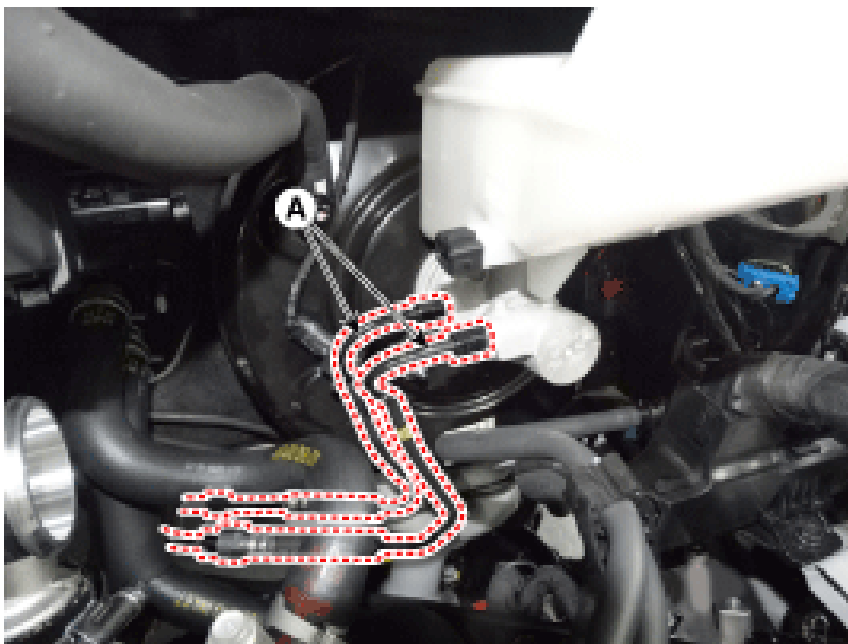
- Remove the brake fluid from the master cylinder reservoir with a syringe. Do not spill brake fluid on the vehicle, it may damage the paint; if brake fluid does contact the paint, wash it off immediately with water. Do not spill brake fluid on the vehicle, it may damage the paint; if brake fluid does contact the paint, wash it off immediately with water.

NOTICE

- Do not spill brake fluid on the vehicle, it may damage the paint; if brake fluid does contact the paint, wash it off immediately with water.
- Remove the clutch brake hose (A). [M/T Only]



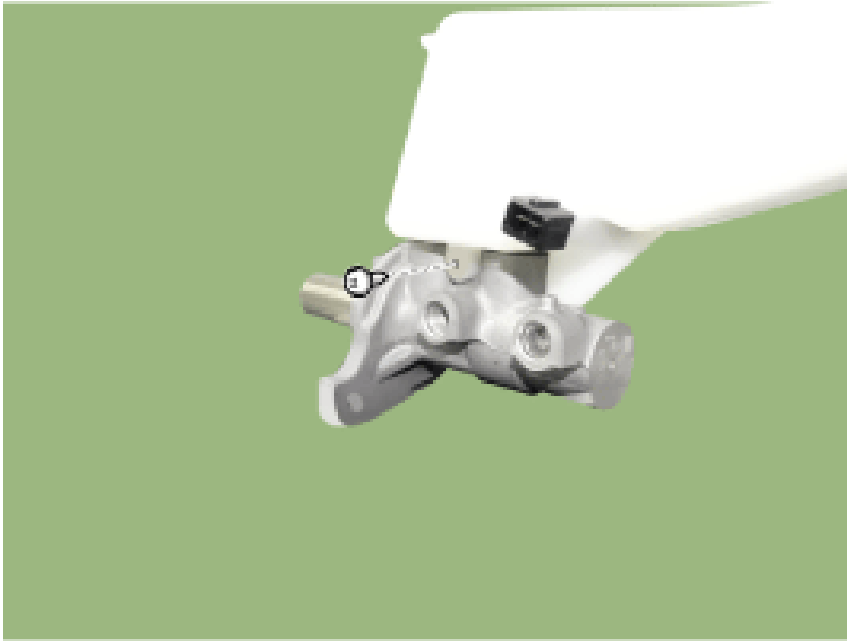
- Disconnect the brake tube (A) from the master cylinder by loosening the tube flare nut. Tightening torque
ESP : 18.6 - 22.6 N.m (1.9 - 2.3 kgf.m, 13.7 - 16.6 lb-ft) ABS : 12.7 - 16.7 N.m (1.3 - 1.7 kgf.m, 9.4 - 12.3
lb-ft)



- Remove the master cylinder from the brake booster after loosening the mounting nuts (A). Tightening torque :
12.7 - 16.7 N.m (1.3 - 1.7 kgf.m, 9.4 - 12.3 lb-ft)



- Separate the reservoir by loosening the screw.



- Installation
- To install, reverse the removal procedure.
- After installing, bleed the brake system. (Refer to Brake System - "Brake System Bleeding") (Refer to Brake System - "ABS System Bleeding") (Refer to Brake System - "ESP System Bleeding")