Clutch System / Clutch Release Cylinder

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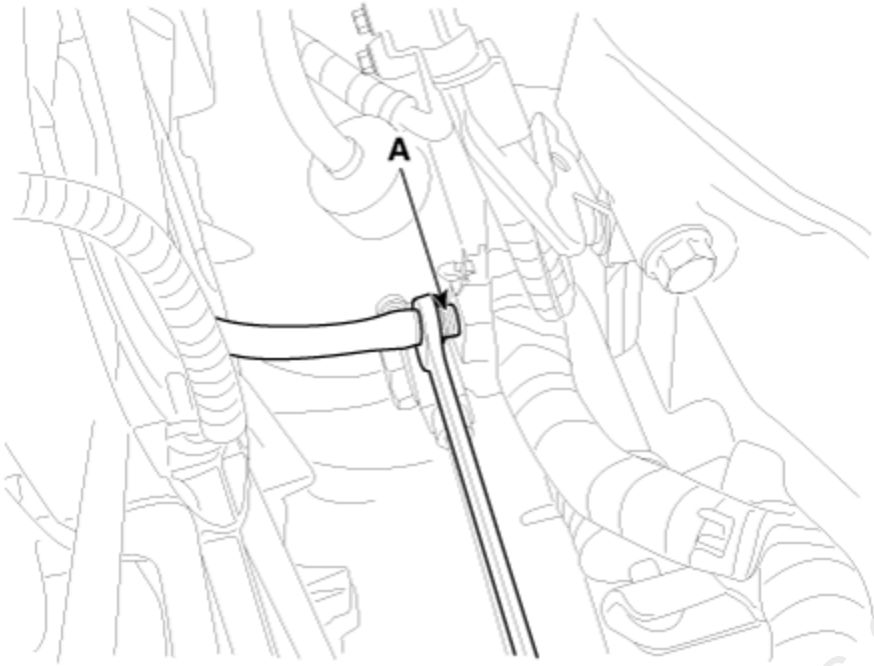
Repair procedures

Removal

[Gasoline 2.0]

1. Drain the brake fluid through the bleed plug (A).

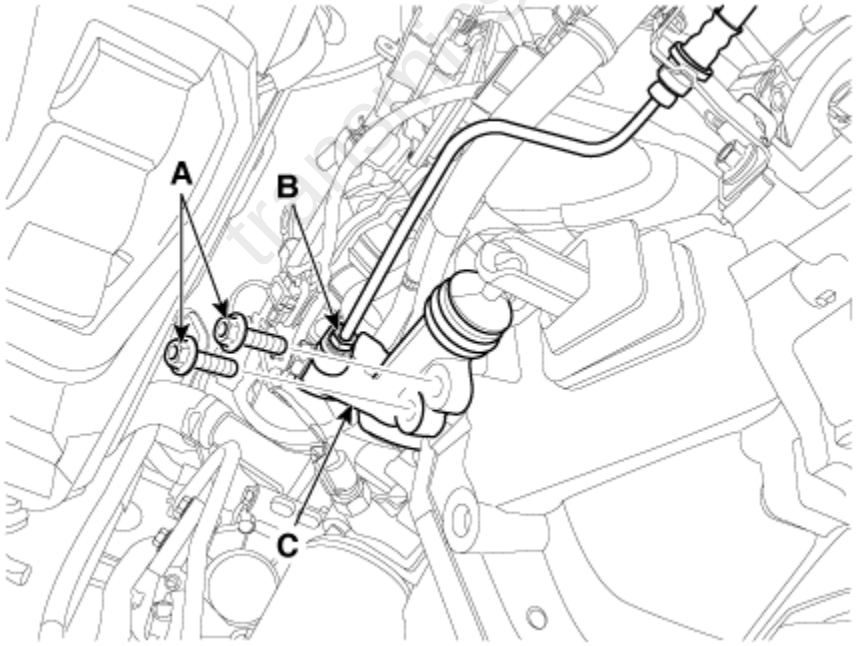
> **NOTICE**
>
> Do not spill brake fluid on the vehicle; it may damage the paint if brake fluid does contact the paint, wash it off immediately with water.



2.
Remove the clutch release cylinder assembly (C) after removing the tube (B) and bolts (A).

Tightening torque :

14.7 - 21.6 N·m (1.5 - 2.2 kgf·m, 10.8 - 15.9 lb·ft)



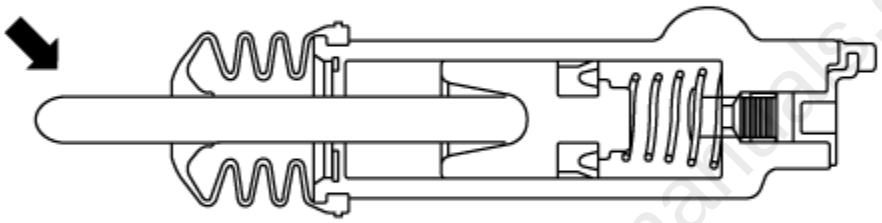
Installation

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1. To install, reverse the removal procedures.

> **NOTICE**
>
> Coat the clutch clevis push rod specified grease.

Specified grease: CASMOLY L9508



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Adjustment

Clutch Release Cylinder Air Bleeding Procedure

[Gasoline 2.0]

> **⚠ CAUTION**
>
> Use the specified fluid. Avoid mixing different brands of fluid.

Specified fluid: SAE J1703 (DOT 3 or DOT 4)

1. After removing cap from the clutch release cylinder air bleeder, insert a vinyl hose in the plug.

2. Loosening the plug screw, press and release the clutch pedal about 10 times.

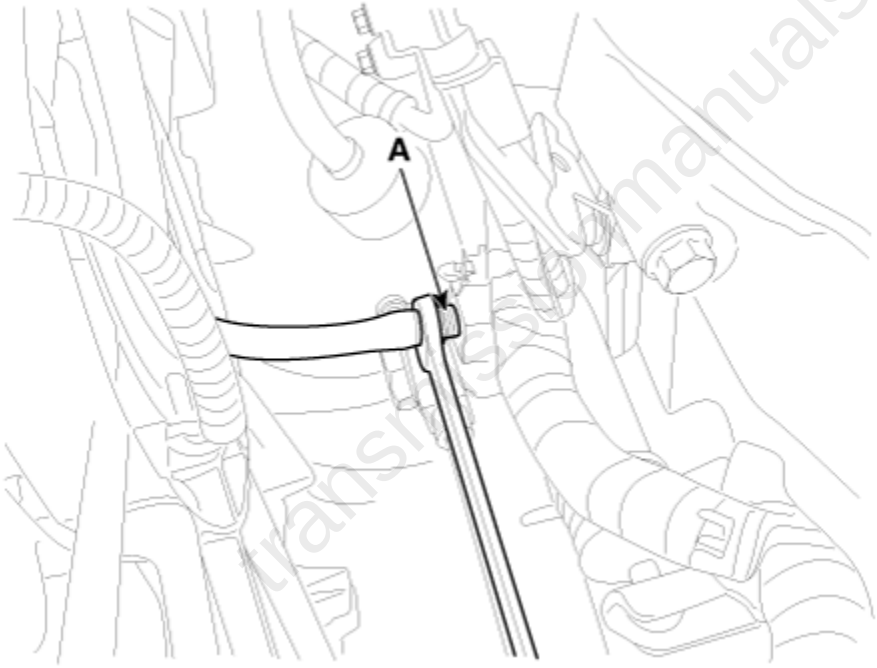
3. While pressing the clutch pedal, tighten the plug (A). Then, raise the clutch pedal with hand.

4. After pressing the clutch pedal 3 times or more, loosen the plug (A) and retighten it with the pedal pressed. Raise it again, then.

5. Repeat the step 4 two or three times (until there is no bubbles in the fluid).

Tightening torque:

7.8 - 13.7 N·m (0.8 - 1.4 kgf·m, 5.8 - 10.1 lb·ft)



6. Refill the clutch master cylinder with the specified fluid.

Clutch Tube

Components and components location Components [Gasoline 1.6] 1. Clutch pedal assembly 2. Clutch pedal arm 3. Ignition lock & Clutch switch 4 ...

Clutch Release Fork and Clutch Release Bearing

Components and components location Components [Gasoline 2.0] 1. Clutch release fork 2. Clutch cover assembly 3. Clutch disk assembly 4. Clutch r ...

Other information:

Kia Forte 2019-2023 (BD) Service Manual: Power Mosfet

Description and operation Description It is installed to the DATC and adjusts the fan rpm by precisely controlling the voltage applied to the blower motor. Repair procedures Inspection 1. Turn the ignition switch ON. 2. Manuall ...

Kia Forte 2019-2023 (BD) Service Manual: Roof Trim

Components and components location Components [General Type] 1. Roof trim 2. Retainer 3. Sunvisor 4. Assist handle bracket [Sunroof Type] 1. Roof trim 2. Retainer 3. Sunvisor 4. Assist hand ...

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