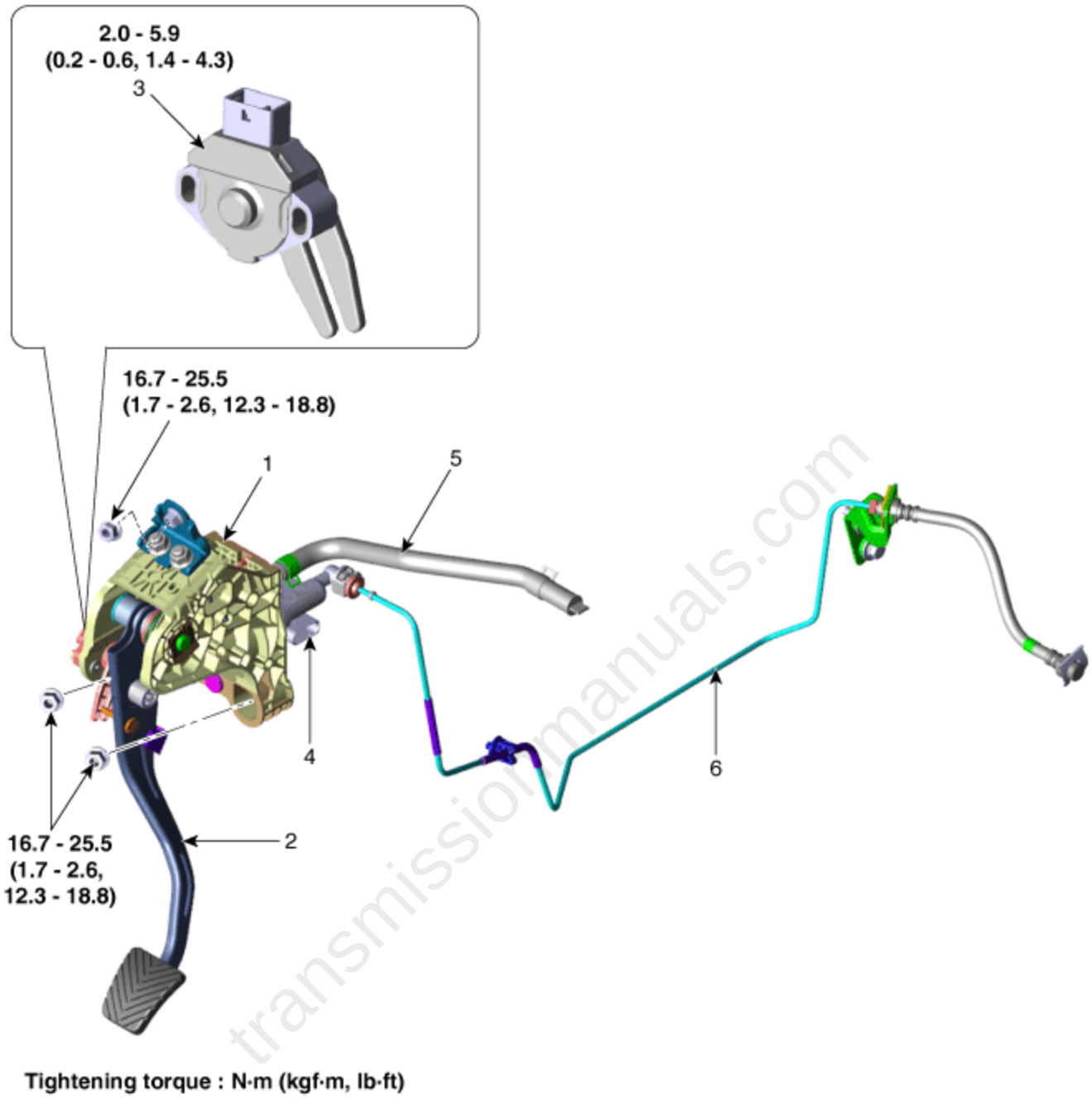
Clutch System / Clutch Master Cylinder

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Components and components location

Components

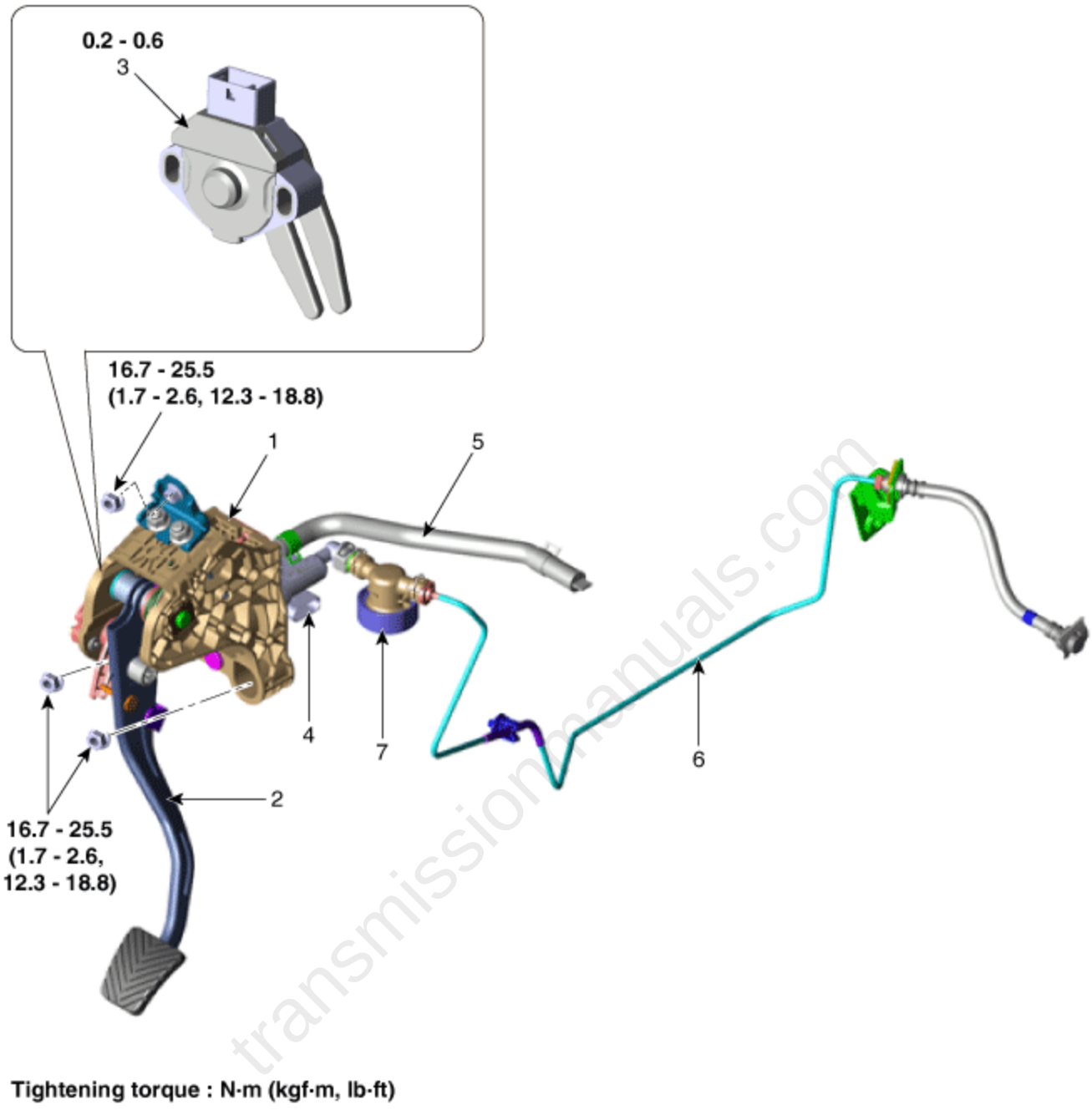
[Gasoline 1.6]



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1. Clutch pedal assembly
2. Clutch pedal arm
3. Ignition lock & Clutch switch
4. Clutch master cylinder
5. Reservoir hose
6. Clutch tube

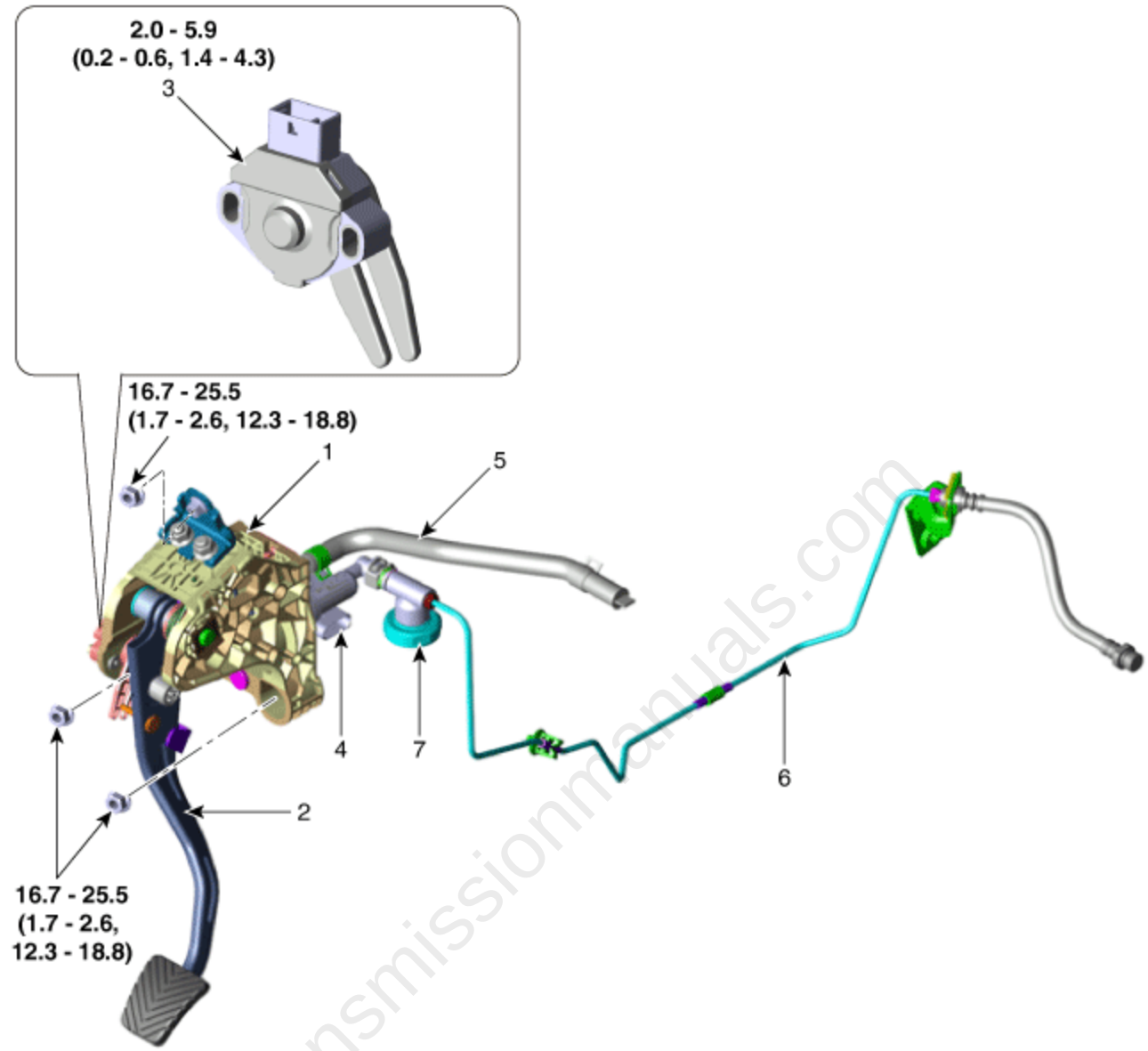
[Gasoline 2.0]



Tightening torque : N·m (kgf·m, lb·ft)

1. Clutch pedal assembly
2. Clutch pedal arm
3. Ignition lock & Clutch switch
4. Clutch master cylinder
5. Reservoir hose
6. Clutch tube
7. Clutch regulator

[Diesel 1.6 / Gasoline 1.6 T-GDI]



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Tightening torque : N·m (kgf·m, lb·ft)

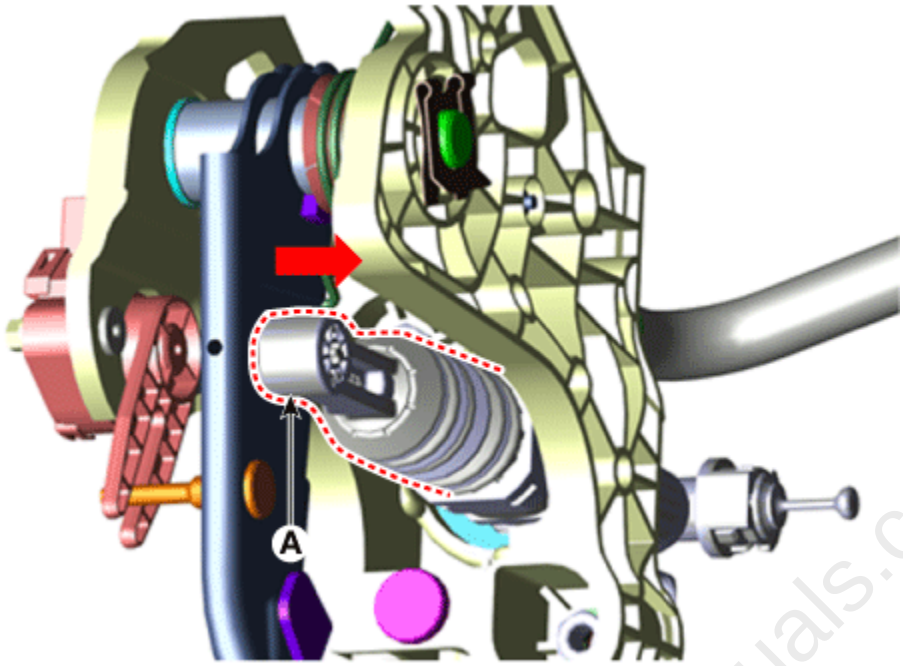
1. Clutch pedal assembly
2. Clutch pedal arm
3. Ignition lock & Clutch switch
4. Clutch master cylinder
5. Reservoir hose
6. Clutch tube
7. Clutch regulator

Repair procedures

Removal

[Gasoline 1.6]

1. Disconnect the push rod (A) from the clutch pedal.



2. Remove the air cleaner assembly and air duct.

   G 1.6 MPI (Refer to Engine Mechanical System - "Air Cleaner")

3. Remove the battery and battery tray.

   G 1.6 MPI (Refer to Engine Electrical System - "Battery")

4. Remove the engine control module (ECM).

   G 1.6 MPI (Refer to Engine Control / Fuel System - "Engine Control Module (ECM)")

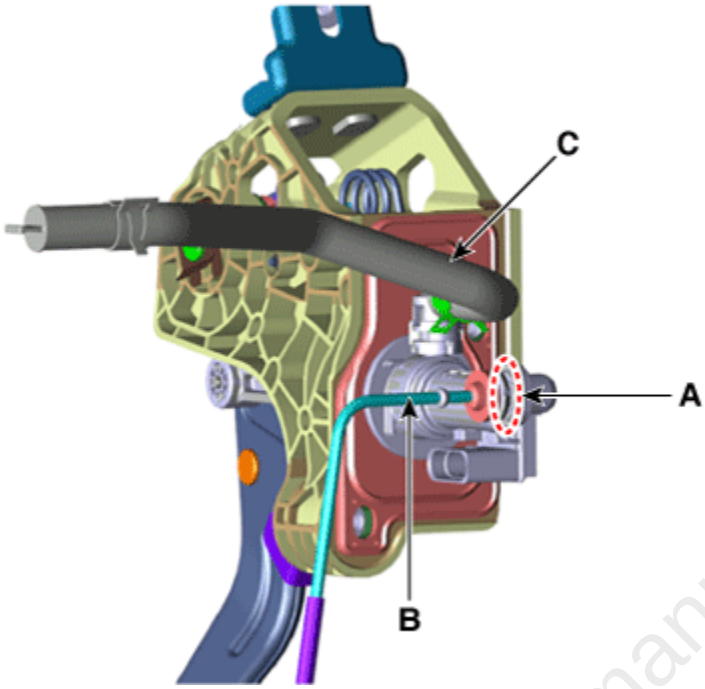
5. Remove the snap pin (A) and then removing the clutch tube (B).

6. Disconnect the reservoir hose (C).

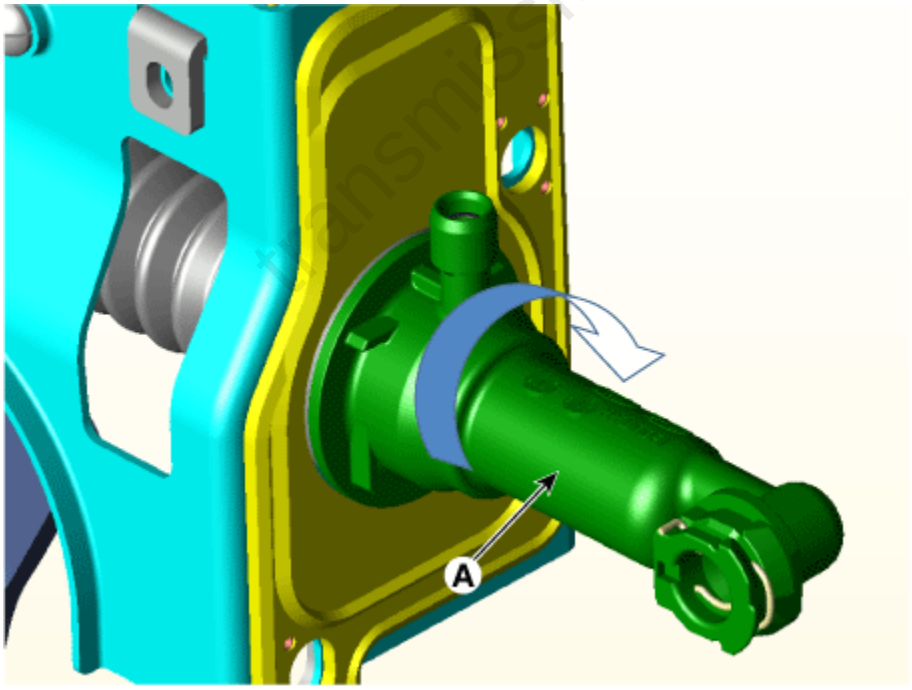
NOTICE

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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.



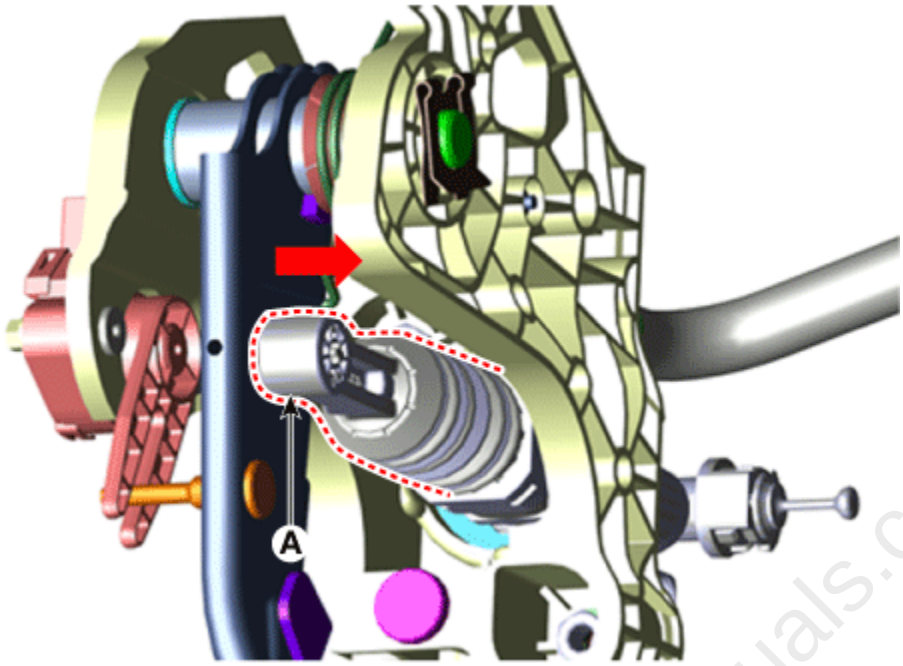
7. Remove the master cylinder (A) by turning it clockwise.



[Gasoline 2.0 / Diesel 1.6 / Gasoline 1.6 T-GDI]

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1. Disconnect the push rod (A) from the clutch pedal.



2. Remove the air cleaner assembly and air duct.

   G 2.0 MPI (Refer to Engine Mechanical System - "Air Cleaner")

   D 1.6 TCI-NEW-U (Refer to Engine Mechanical System - "Air Cleaner")

   G 1.6 T-GDI GAMMA (Refer to Engine Mechanical System - "Air Cleaner")

3. Remove the battery and battery tray.

   G 2.0 MPI (Refer to Engine Electrical System - "Battery")

   D 1.6 TCI-NEW-U (Refer to Engine Electrical System - "Battery")

   G 1.6 T-GDI GAMMA (Refer to Engine Electrical System - "Battery")

4. Remove the engine control module (ECM).

   G 2.0 MPI (Refer to Engine Control / Fuel System - "Engine Control Module (ECM)")

   D 1.6 TCI-NEW-U (Refer to Engine Control / Fuel System - "Engine Control Module (ECM)")

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G 1.6 T-GDI GAMMA (Refer to Engine Control / Fuel System - "Engine Control Module (ECM)")

5. Remove the fuel filter. [In case of diesel vehicle]

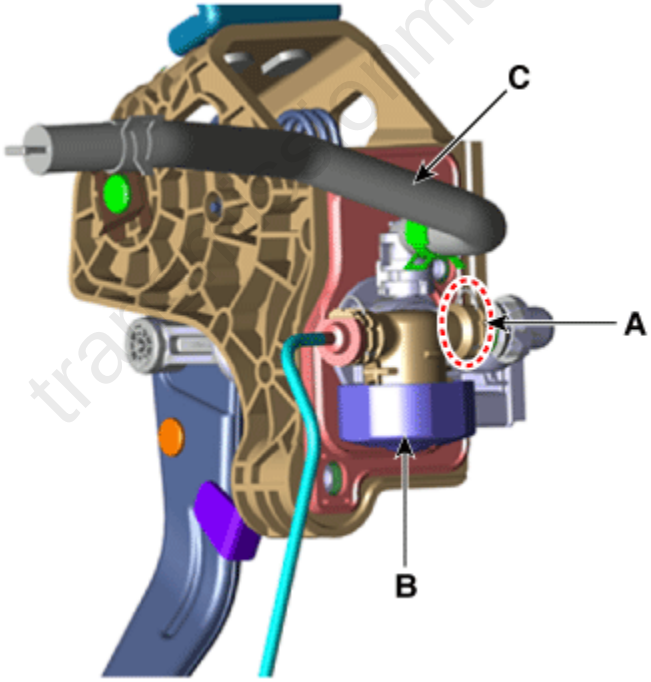
   (Refer to Engine Control / Fuel System - "Fuel Filter")

6. Remove the snap pin (A) and then removing the clutch regulator (B).

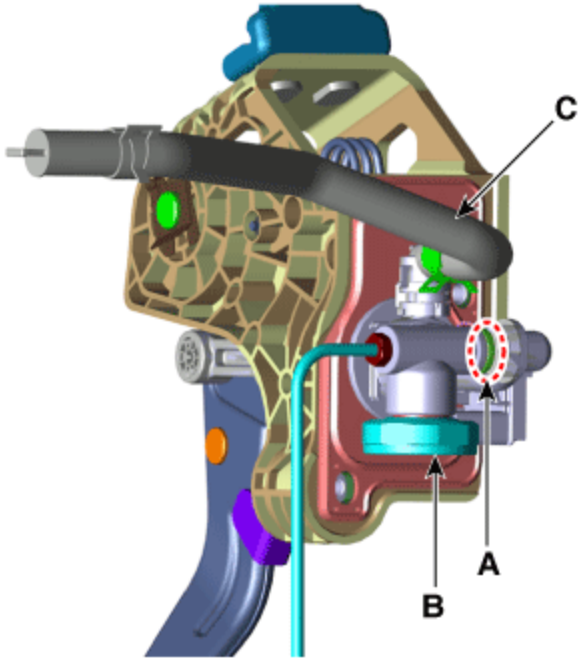
7. Disconnect the reservoir hose (C).

> **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.

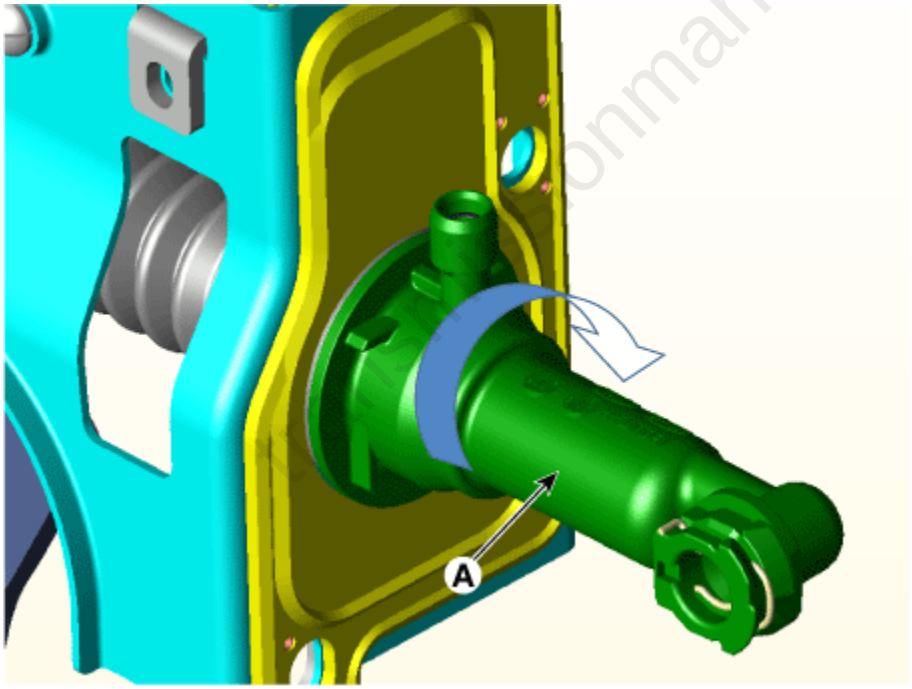
[Gasoline 2.0]



[Diesel 1.6 / Gasoline 1.6 T-GDI]



8. Remove the master cylinder (A) by turning it clockwise.



Installation

1. Install in the reverse order of removal.

2. After installing, fill reservoir with brake fluid and perform bleeding air procedure on clutch release

cylinder.

(Refer to Concentric Slave Cylinder Assembly - "Adjustment") [Gasoline 1.6 / Diesel 1.6 / Gasoline 1.6 T-GDI]

(Refer to Clutch Release Cylinder - "Adjustment") [Gasoline 2.0]

Clutch Pedal

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

Clutch Regulator

Components and components location Componets [Gasoline 2.0] 1. Clutch pedal assembly 2. Clutch pedal arm 3. Ignition lock & Clutch switch 4. Clu ...

Other information:

Kia Forte 2019-2023 (BD) Owners Manual: Brake operation

In an emergency situation, the braking system enters in ready status for prompt reaction upon the driver depressing the brake pedal. The FCA system provides additional braking power for optimum braking performance when the driver depresses the brake pedal. The braking contro ...

Kia Forte 2019-2023 (BD) Owners Manual: Storage compartments

These compartments can be used to store small items required by the driver or passengers. To avoid possible theft, do not leave valuables in the storage compartment. Always keep the storage compartment covers closed while driving. Do not attempt to place so many items in the ...

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