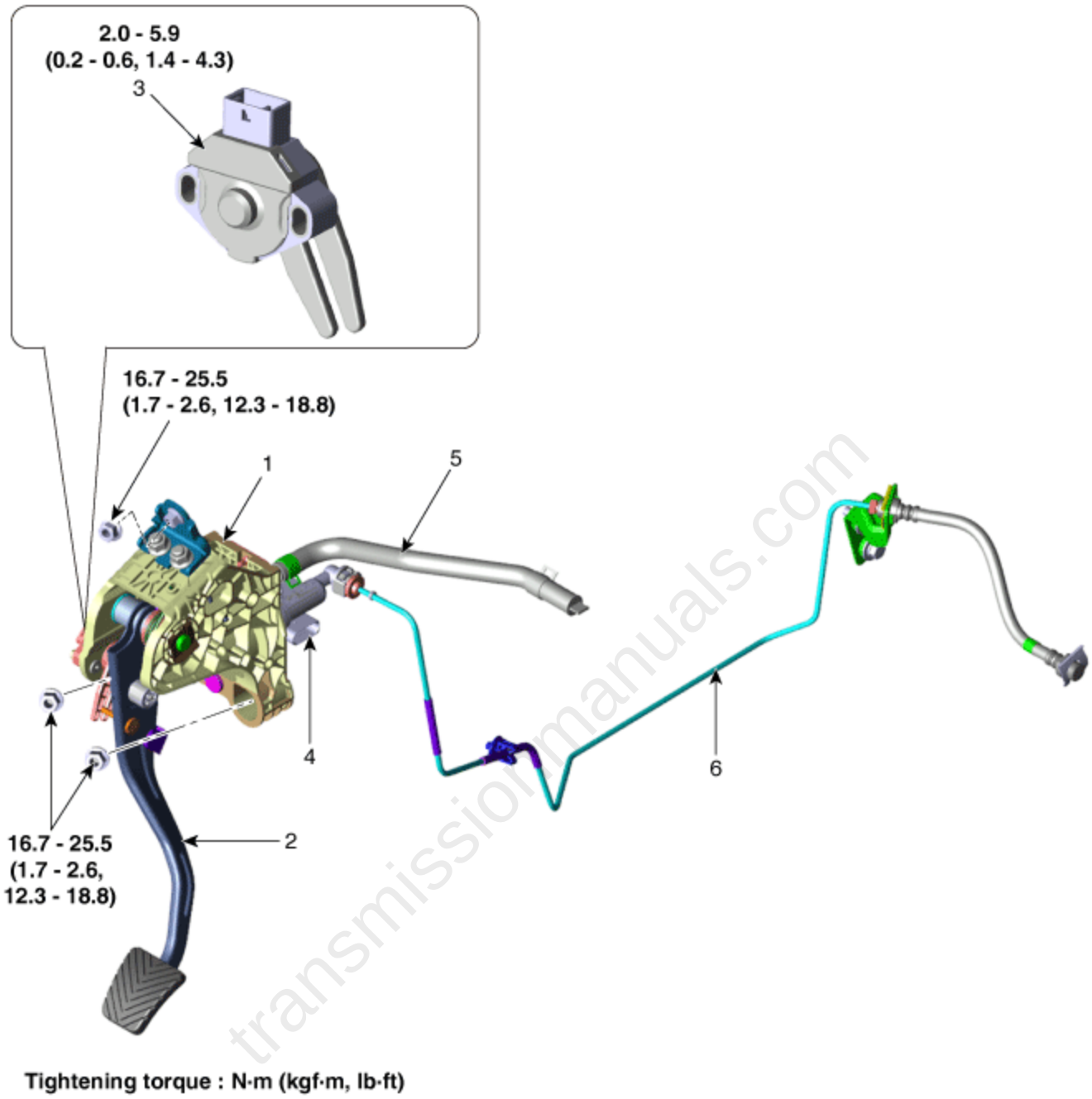
Clutch System / Clutch Tube

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Components and components location

Components

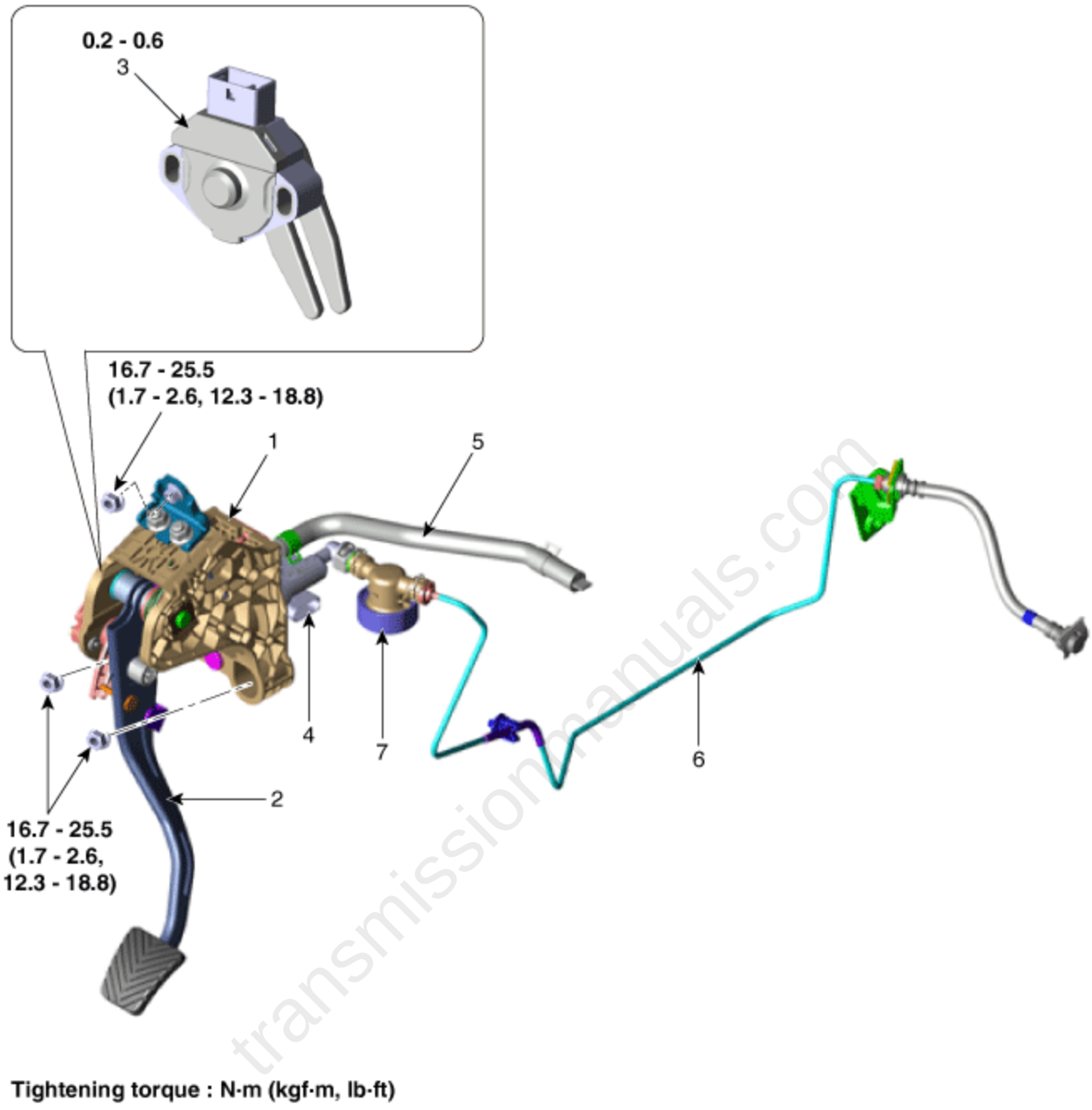
[Gasoline 1.6]



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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

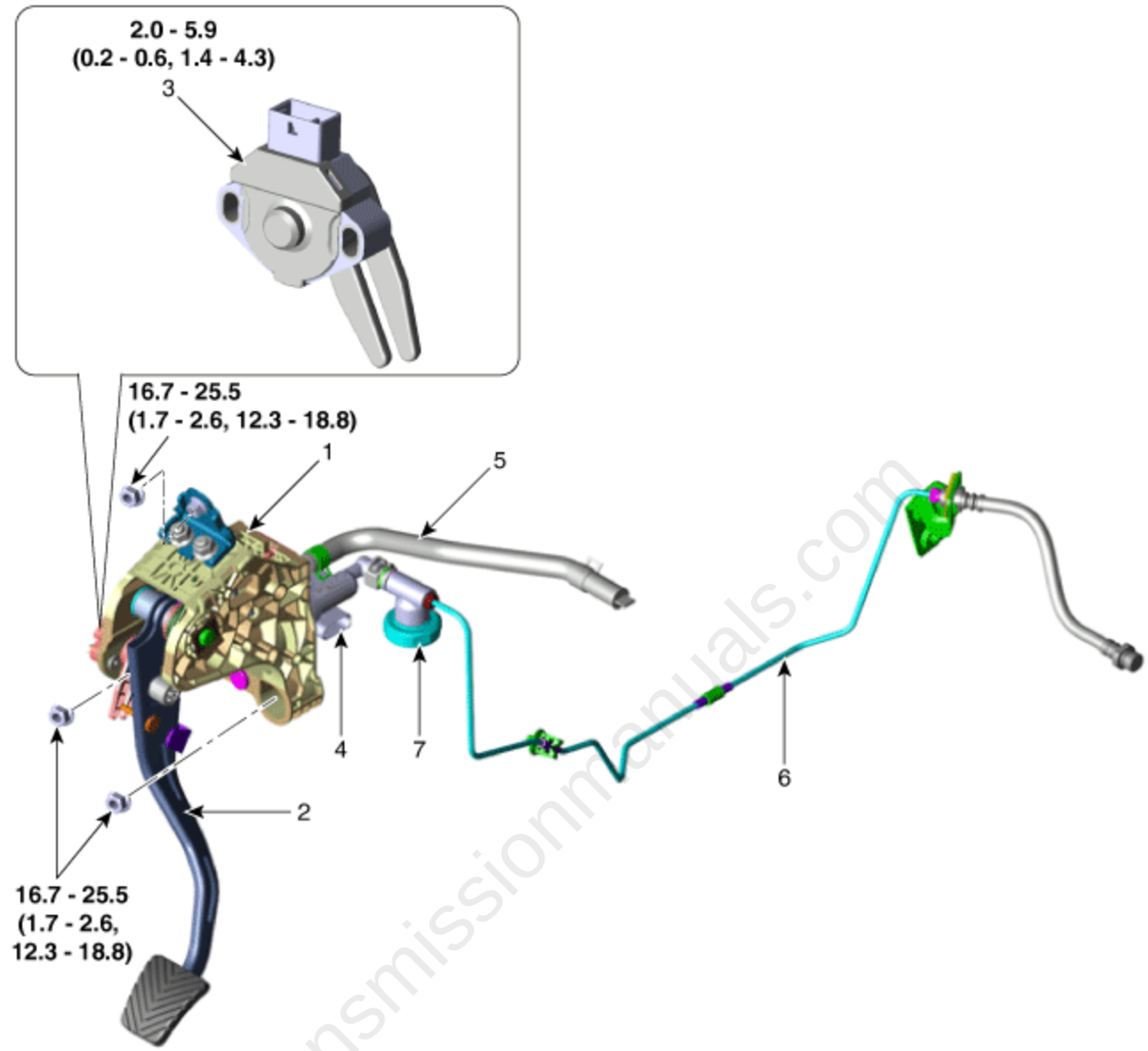
[Gasoline 2.0]



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 / Diesel 1.6 / Gasoline 1.6 T-GDI]

1. Turn ignition switch OFF and disconnect the negative (-) battery cable.

2. Remove the air cleaner assembly and air duct.

   G 1.6 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 1.6 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 1.6 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)")

   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")

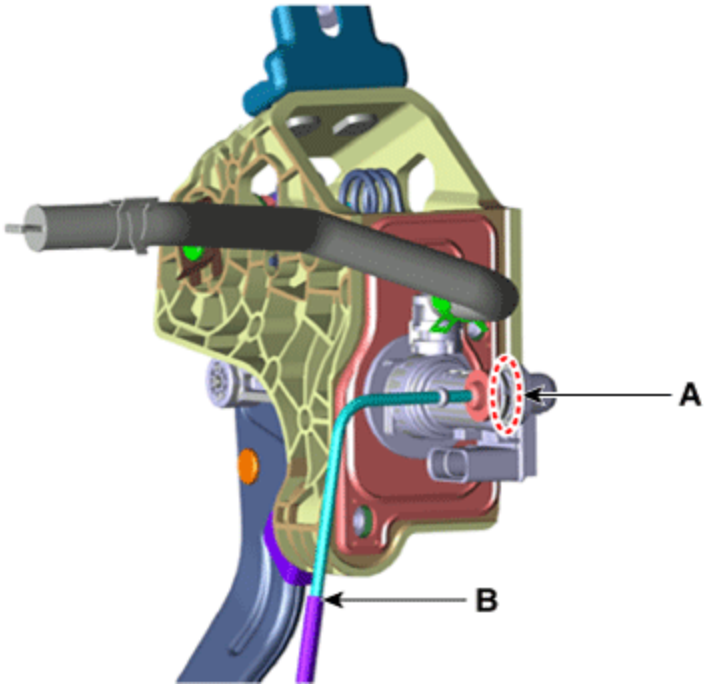
6. Remove the snap pin (A) and then removing the clutch tube (B).

   NOTICE

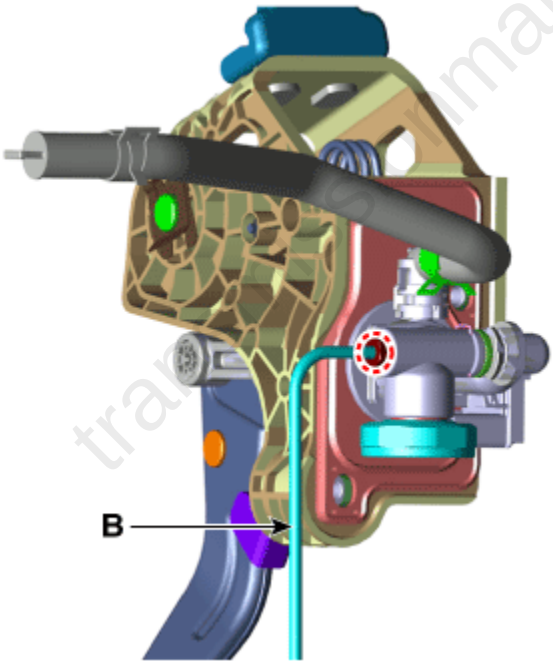
   Do not spill brake fluid on the vehicle it may damage the paint if brake fluid does contact the paint, wash it off immediately with water.

[Gasoline 1.6]

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[Diesel 1.6 / Gasoline 1.6 T-GDI]

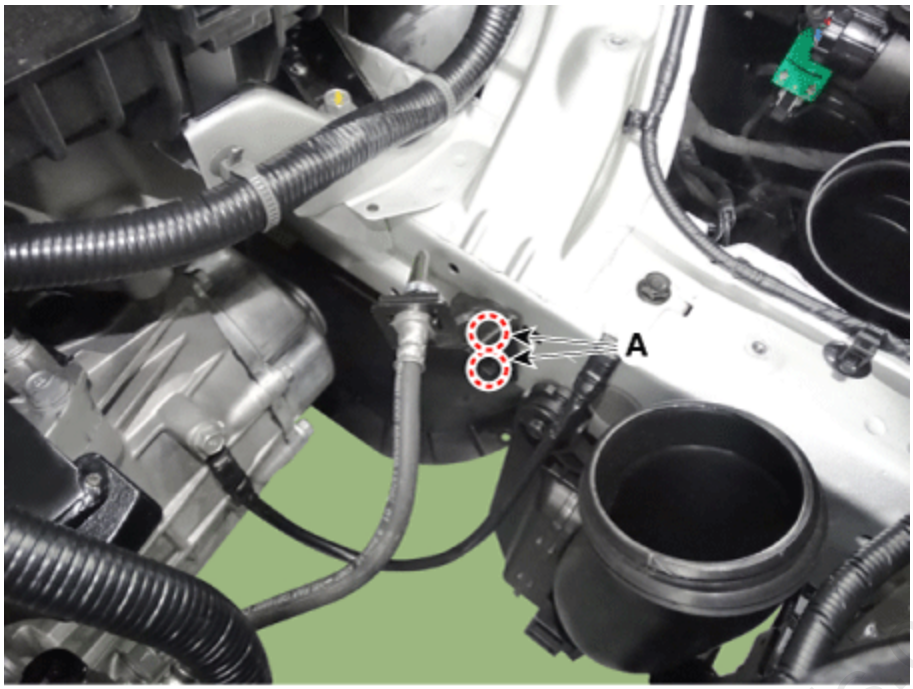


7. Remove the clutch tube bracket bolts (A).

   Tightening torque:

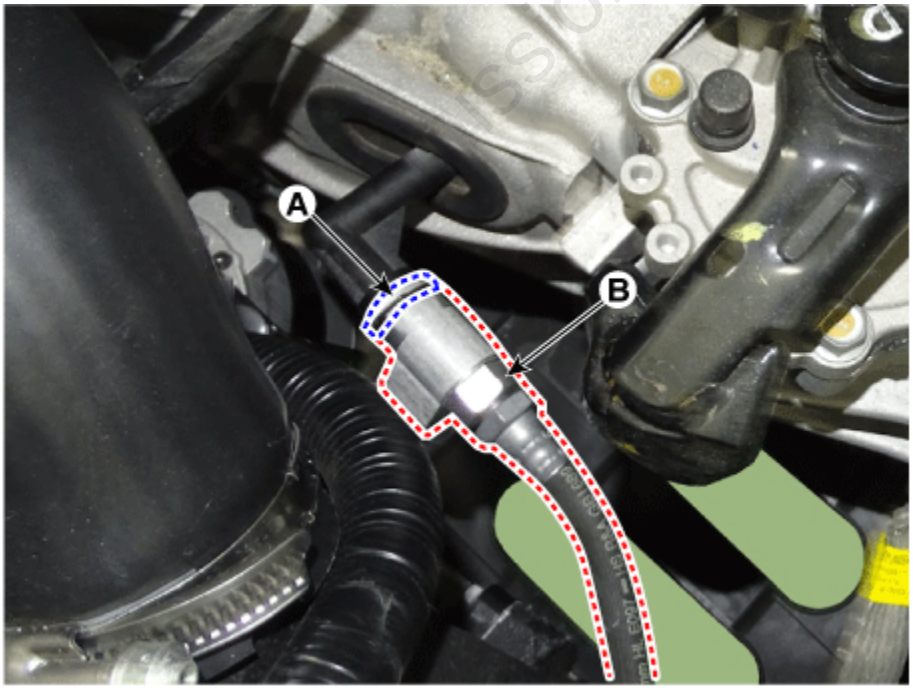
   7.8 - 9.8 N·m (0.8 - 1.0 kgf·m, 5.8 - 7.2 Ib·ft)

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8. Remove the snap pin (A).

9. Remove the clutch tube (B) from the concentric slave cylinder and then removing the clutch tube assembly from the vehicle.



[Gasoline 2.0]

1. Turn ignition switch OFF and disconnect the negative (-) battery cable.

2. Remove the air cleaner assembly and air duct.

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

3. Remove the battery and battery tray.

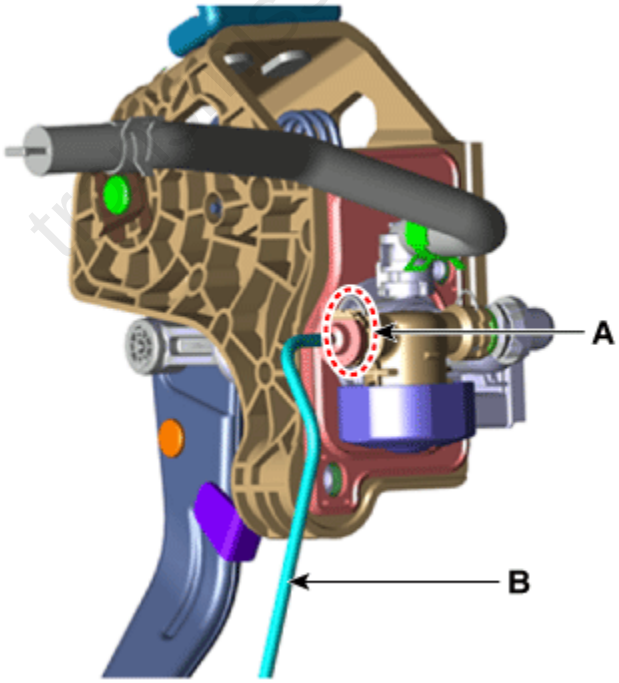
   G 2.0 MPI (Refer to Engine Electrical System - "Battery")

4. Remove the engine control module (ECM).

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

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

> **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.

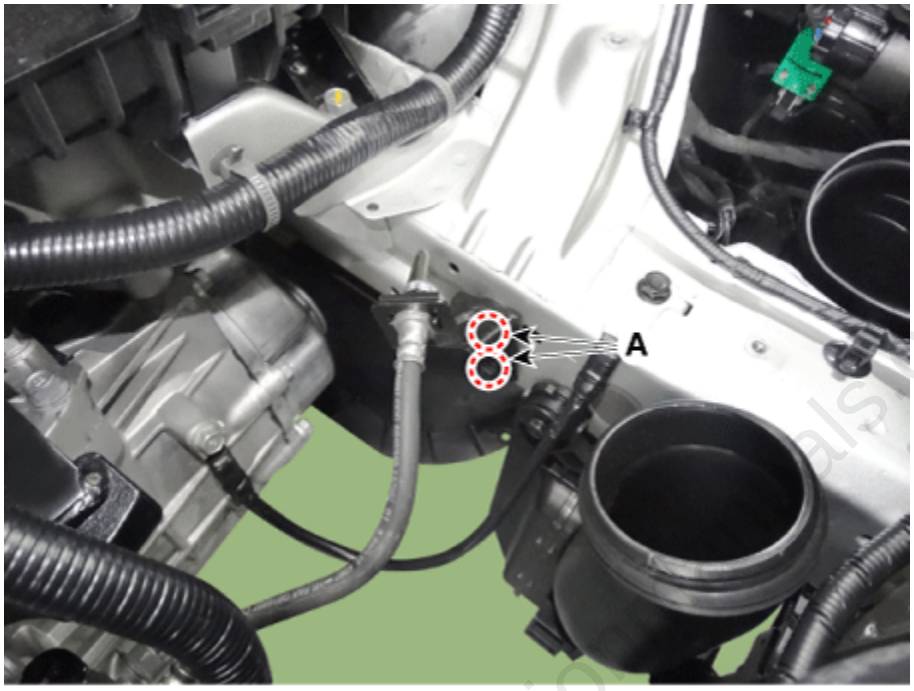


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6. Remove the clutch tube bracket bolts (A).

   Tightening torque:

   7.8 - 9.8 N·m (0.8 - 1.0 kgf·m, 5.8 - 7.2 Ib·ft)

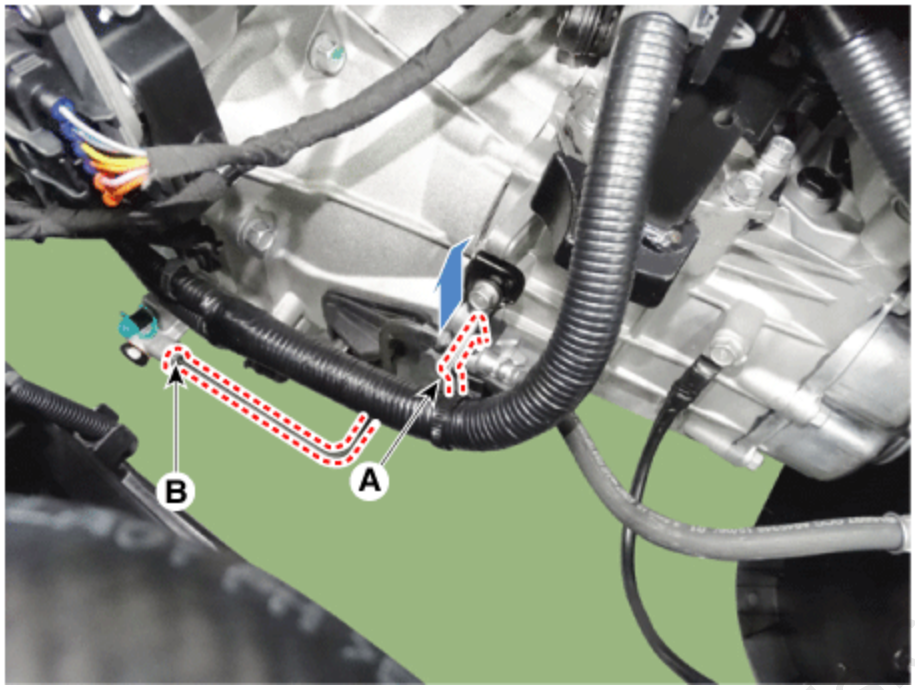


7. Remove the snap pin (A).

8. Disconnect the clutch tube (B) from the clutch release cylinder, and then remove the clutch tube assembly from the vehicle.

   Tightening torque:

   12.6 - 16.7 N·m (1.3 - 1.7 kgf·m, 9.4 - 12.3 Ib·ft)



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 Regulator

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

Clutch Release Cylinder

Repair procedures Removal [Gasoline 2.0] 1. Drain the brake fluid through the bleed plug (A). ...

Other information:

Kia Forte 2019-2023 (BD) Service Manual: Rear Wheel Guard

Repair procedures Replacement Put on gloves to prevent hand injuries. • When removing with a flat - tip screwd ...

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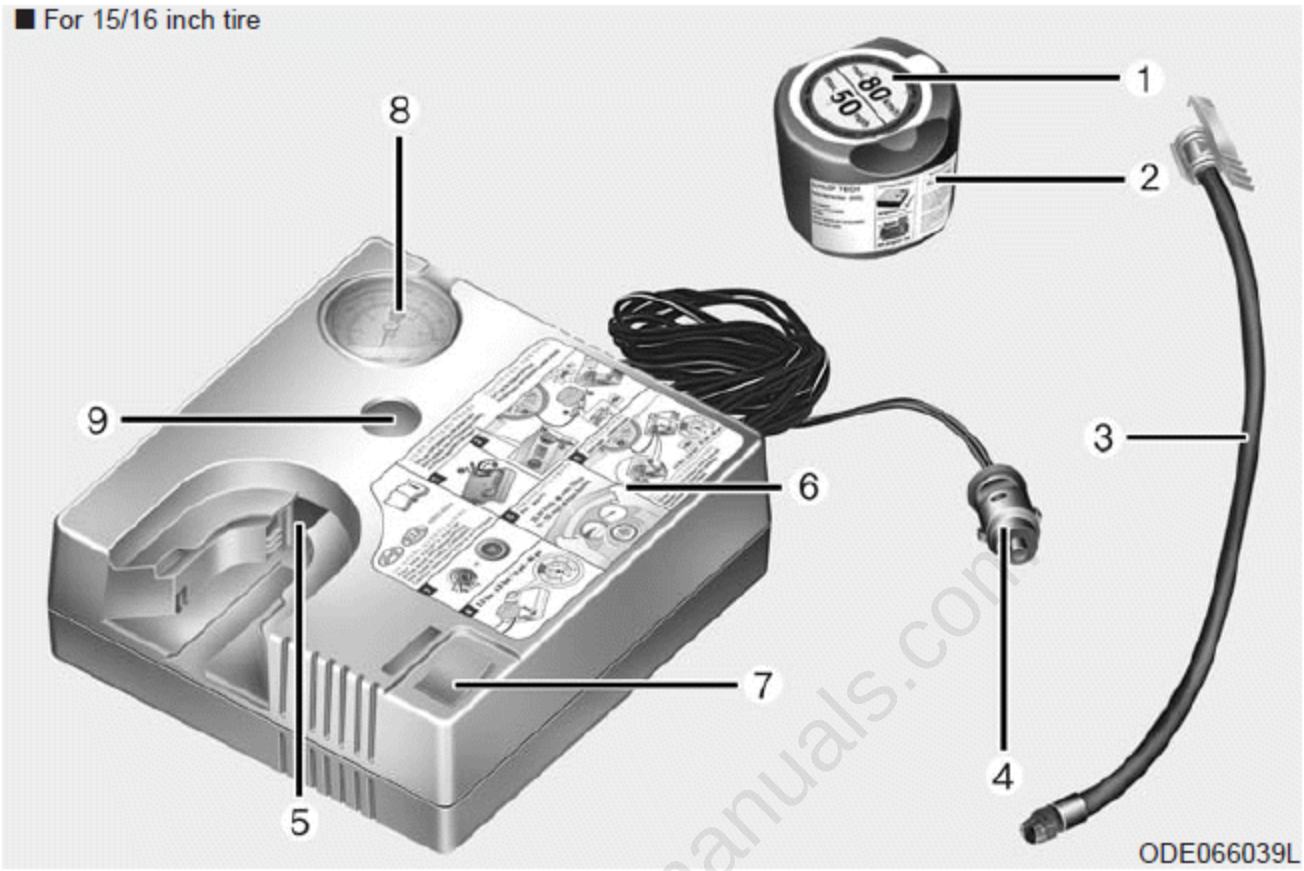
Kia Forte 2019-2023 (BD) Service Manual: ESCL(Electronic Steering Column Lock)

Schematic diagrams Connector and Terminal funciton Repair procedures Removal 1. Disconnect the negative(-) battery terminal. 2. Remove the crash pad lower panel. (Refer to Body - "Crash Pad Lower Panel") ...

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If you have a flat tire (With Tire Mobility Kit) / Components of the Tire Mobility Kit (TMK)

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1. Speed restriction label

2. Sealant bottle and label with speed restriction

3. Filling sealant and air hose from sealant bottle to wheel

4. Connectors and cable for the power outlet direct connection

5. Holder for the sealant bottle

6. Compressor

7. On/off switch

8. Pressure gauge for displaying the tire inflation pressure

9. Tire Pressure Control Release Button

Connectors and cable are stored in the compressor housing.

WARNING - Expired sealant

Do not use the Tire sealant after the sealant has expired (i.e. after the expiration date on the sealant container). This can increase the risk of tire failure.

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WARNING - Sealant

- *Keep out of reach of children.*
- *Avoid contact with eyes.*
- *Do not swallow.*

✻ *NOTICE*

The sealant container and insert hose (3) cannot be reused.

Notes on the safe use of the Tire Mobility Kit

Park your car at the side of the road so that you can work with the Tire Mobility Kit away from moving traffic. To be sure your vehicle will not move, even when you're on fairly le ...

Components of the Tire Mobility Kit (TMK)

1. Speed restriction label 2. Sealant bottle and label with speed restriction 3. Filling sealant and air hose from sealant bottle to wheel 4. Connectors and cable for the power outlet di ...

Other information:

Kia Forte 2019-2023 (BD) Owners Manual: Operation of the reverse parking distance warning

Operating condition This system will activate when backing up with the ignition switch ON. If the vehicle is moving at a speed over 5 km/h (3 mph), the system may not be activated correctly. The sensing distance while the back-up warning system is in operation is approxima ...

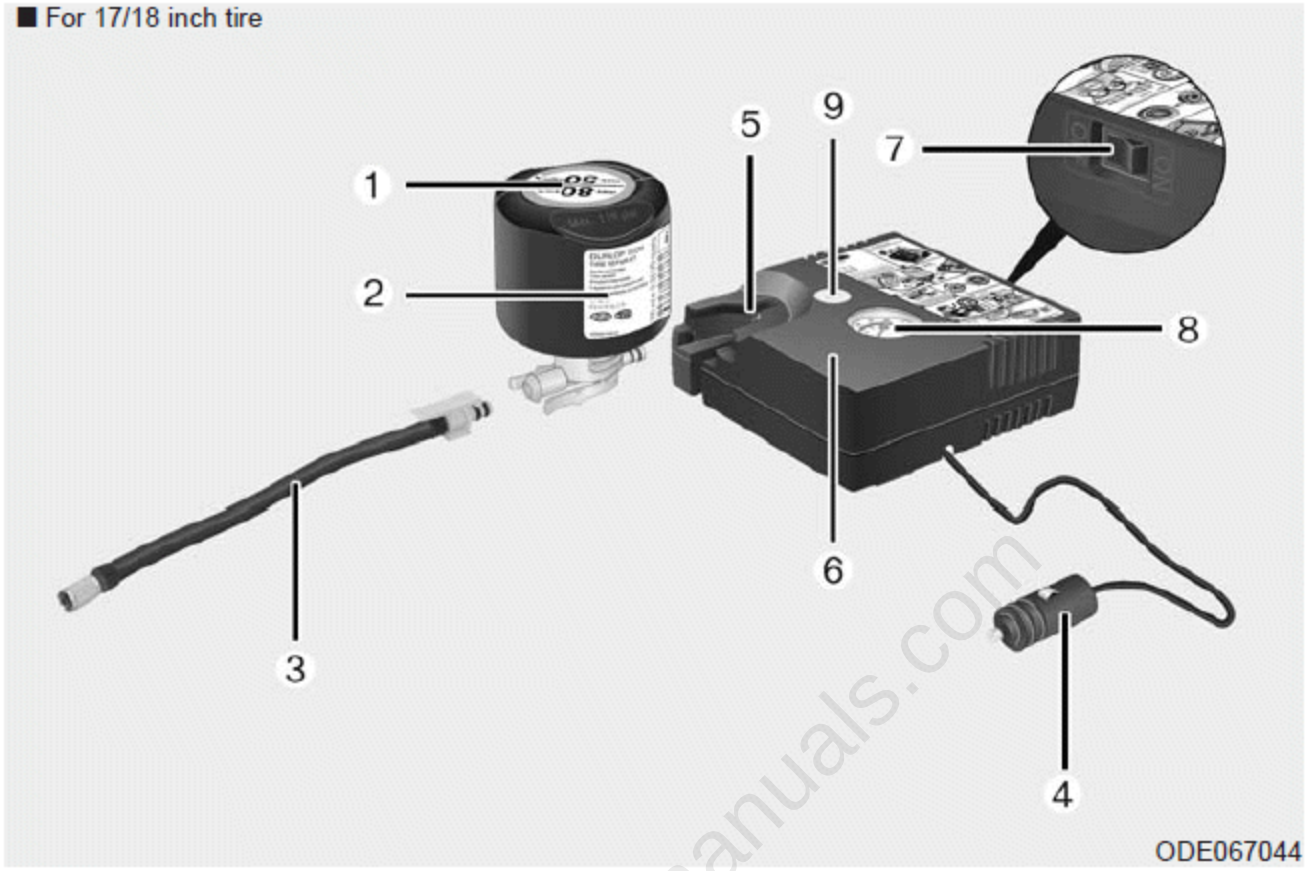
Kia Forte 2019-2023 (BD) Owners Manual: Specifications & Consumer information

Dimensions Engine Bulb wattage Tires and wheels CAUTION When replacing tires, use the same size originally supplied with the vehicle. Using tires of a different size can damage the related parts or make them work irregularly. ✻ NOTICE It is permissible to add 21 kPa (3 psi) ...

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If you have a flat tire (With Tire Mobility Kit) / Components of the Tire Mobility Kit (TMK)

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1. Speed restriction label
2. Sealant bottle and label with speed restriction
3. Filling sealant and air hose from sealant bottle to wheel
4. Connectors and cable for the power outlet direct connection
5. Holder for the sealant bottle
6. Compressor
7. On/off switch
8. Pressure gauge for displaying the tire inflation pressure
9. Tire Pressure Control Release Button

Connectors and cable are stored in the compressor housing.

WARNING - Expired sealant

Do not use the Tire sealant after the sealant has expired (i.e. after the expiration date on the sealant container). This can increase the risk of tire failure.

WARNING - Sealant

- *Keep out of reach of children.*
- *Avoid contact with eyes.*
- *Do not swallow.*

✻ *NOTICE*

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The sealant container and insert hose (3) cannot be reused.

Components of the Tire Mobility Kit (TMK)

1. Speed restriction label 2. Sealant bottle and label with speed restriction 3. Filling sealant and air hose from sealant bottle to wheel 4. Connectors and cable for the power outlet direc ...

Using the Tire Mobility Kit

1. Detach the speed restriction label (1) from the sealant bottle (2), and place it in a highly visible place inside the vehicle such as on the steering wheel to remind the driver not to dri ...

Other information:

Kia Forte 2019-2023 (BD) Owners Manual: License plate lamp bulb replacement

1. Remove the lamp assembly by using a flat-blade screwdriver. 2. Remove the socket from the assembly by turning the socket counterclockwise until the tabs on the socket align with the slots on the assembly. 3. Remove the bulb from bulb-socket by pulling it out. 4. Insert a new bulb ...

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 ...

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