

Removal

[Gasoline 1.6 T-GDI / Gasoline 2.0 MPI]

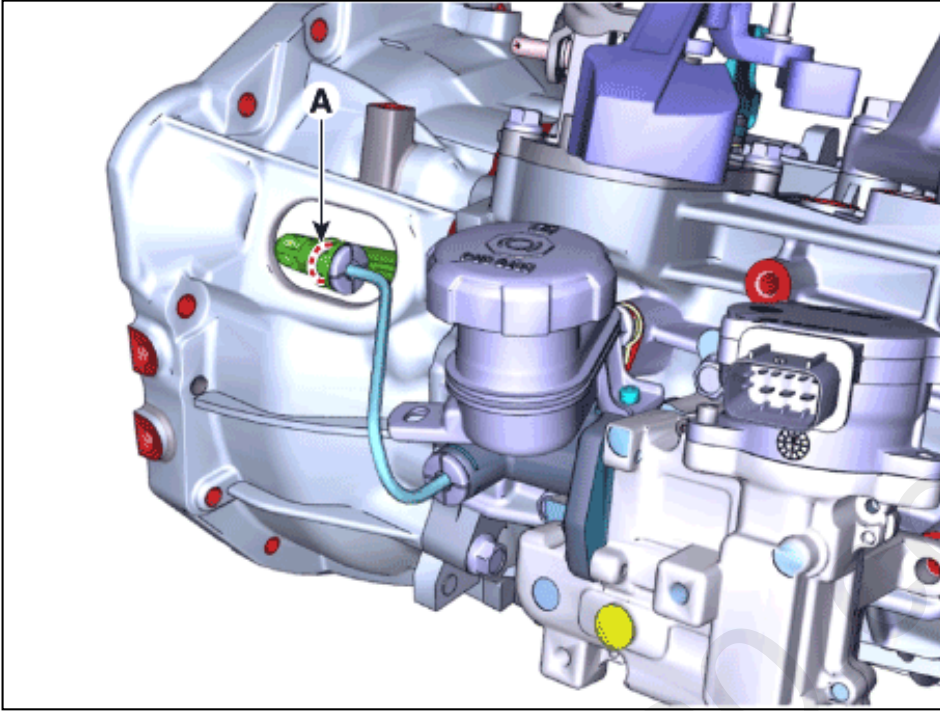
1. Remove the manual transaxle assembly.

(Refer to In case by Gasoline 1.6 T-GDI System - "Manual Transaxle")

(Refer to In case by Gasoline 1.6 T-GDI System - "Intelligent Manual Transaxle")

(Refer to In case by Gasoline 2.0 MPI System - "Manual Transaxle")

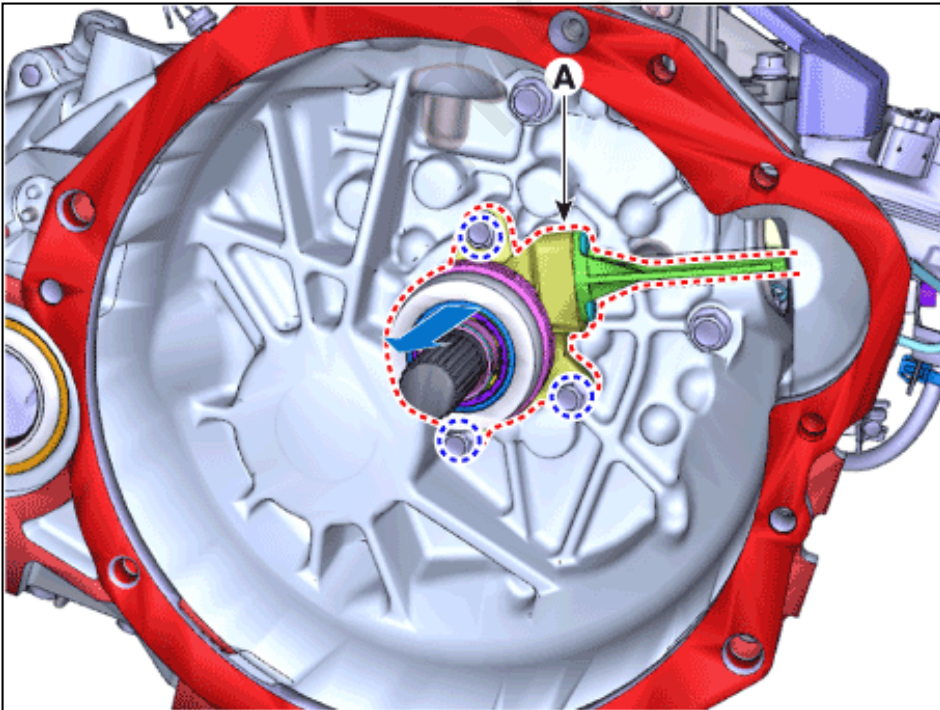
2. Pull the clip (A). [In case by Intelligent Manual Transaxle type]

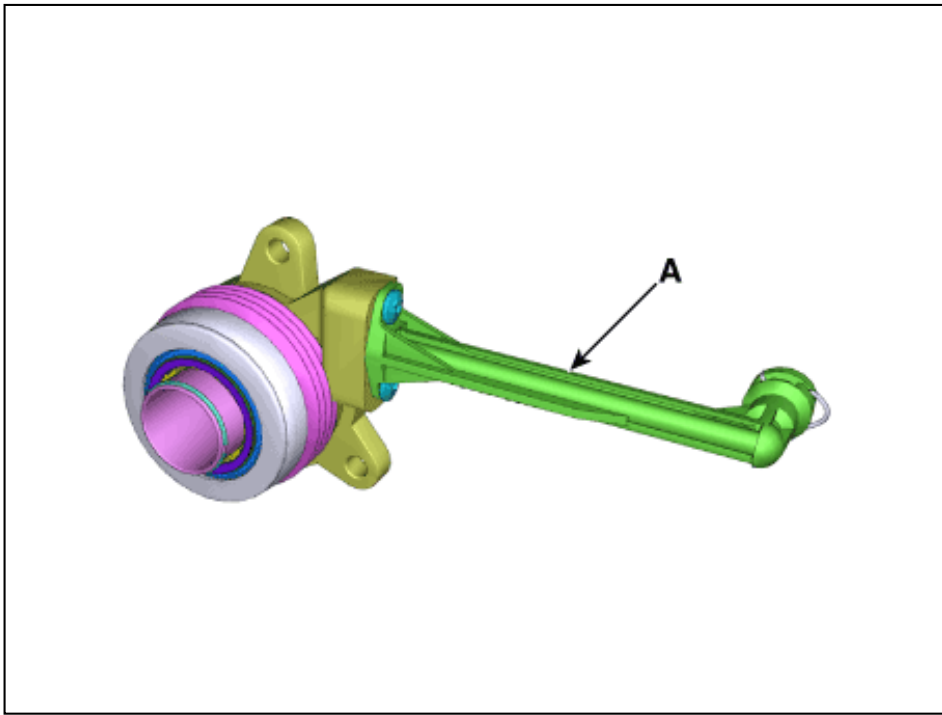


3. Loosen the bolts and then removing the concentric slave cylinder (A).

Tightening torque :

19.6 - 26.5 N.m (2.0 - 2.7 kgf.m, 14.2 - 19.5 lb-ft)





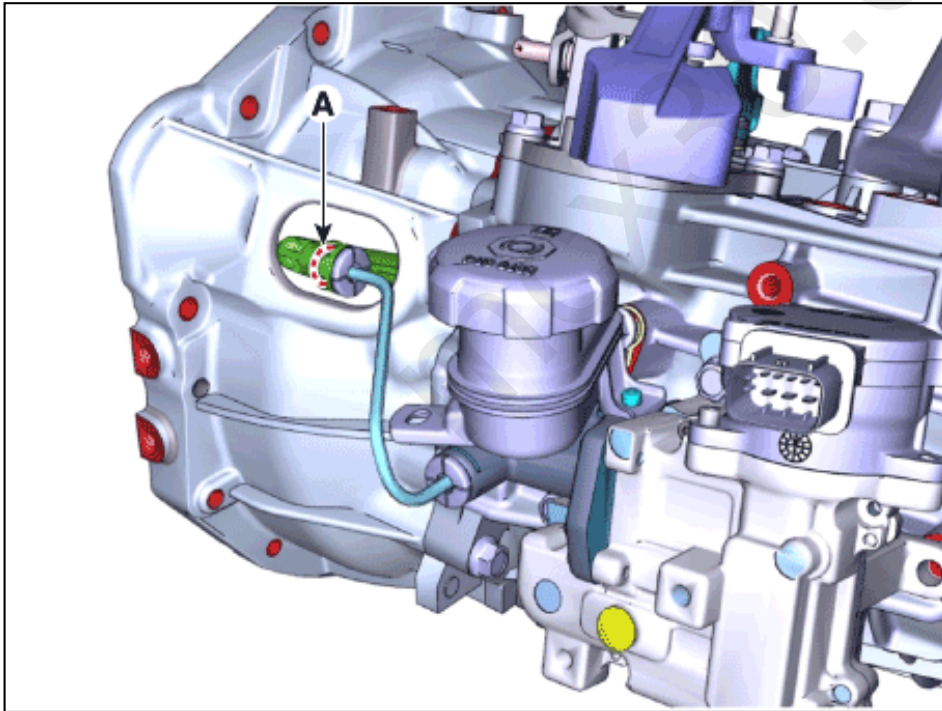
[Diesel 1.6 TCI]

4. Remove the manual transaxle assembly.

(Refer to In case by Diesel 1.6 TCI System - "Manual Transaxle")

(Refer to In case by Diesel 1.6 TCI System - "Intelligent Manual Transaxle")

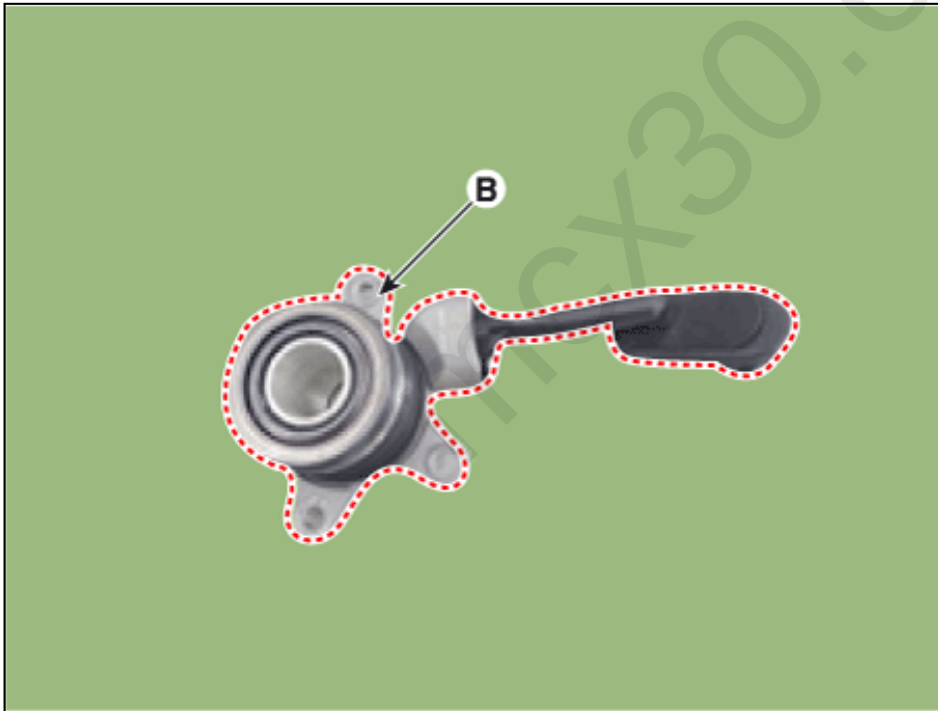
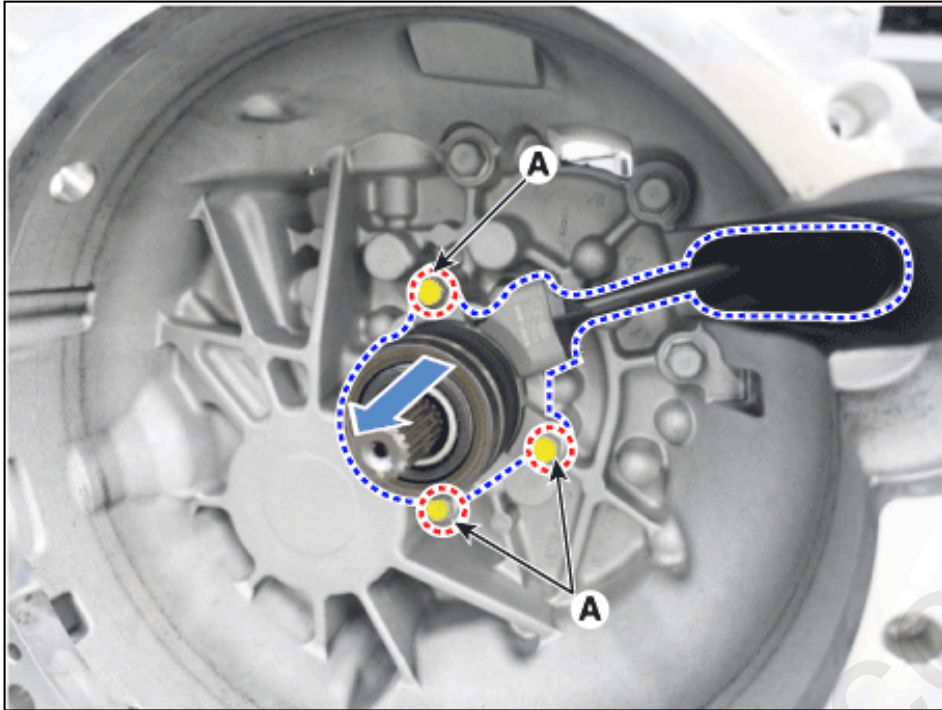
5. Pull the clip (A). [In case by Intelligent Manual Transaxle type]



6. Remove the concentric slave cylinder assembly from the transaxle case by loosening the bolts (A).

Tightening torque :

19.6 - 26.5 N.m (2.0 - 2.7 kgf.m, 14.2 - 19.5 lb-ft)



Installation

[Manual Transaxle Type]

1. To install, reverse the removal procedures.



- Install the concentric slave cylinder bolts. Not to be bent or twisted, Tighten them in diagonal directions.
- Cup, Inner surface of body and outer surface of tube guide must be free from flaws.
- When it is assembled, it must be free from invasive foreign matters and oil leakage.

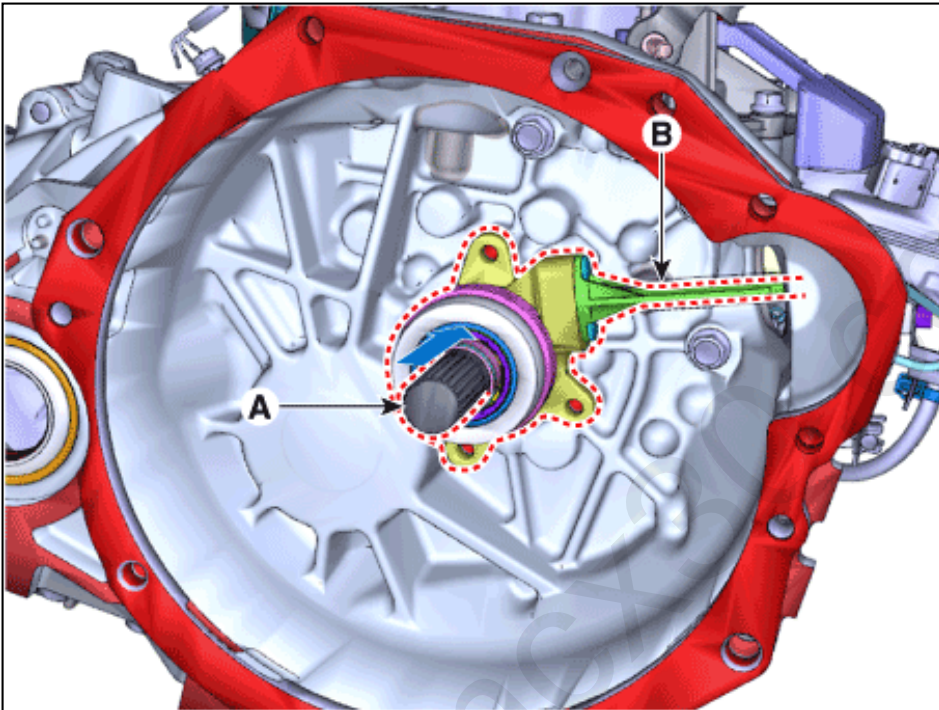


- When it is installed, assembly oil must be applied adequately to inner surface of body and outer surface of tube guide.

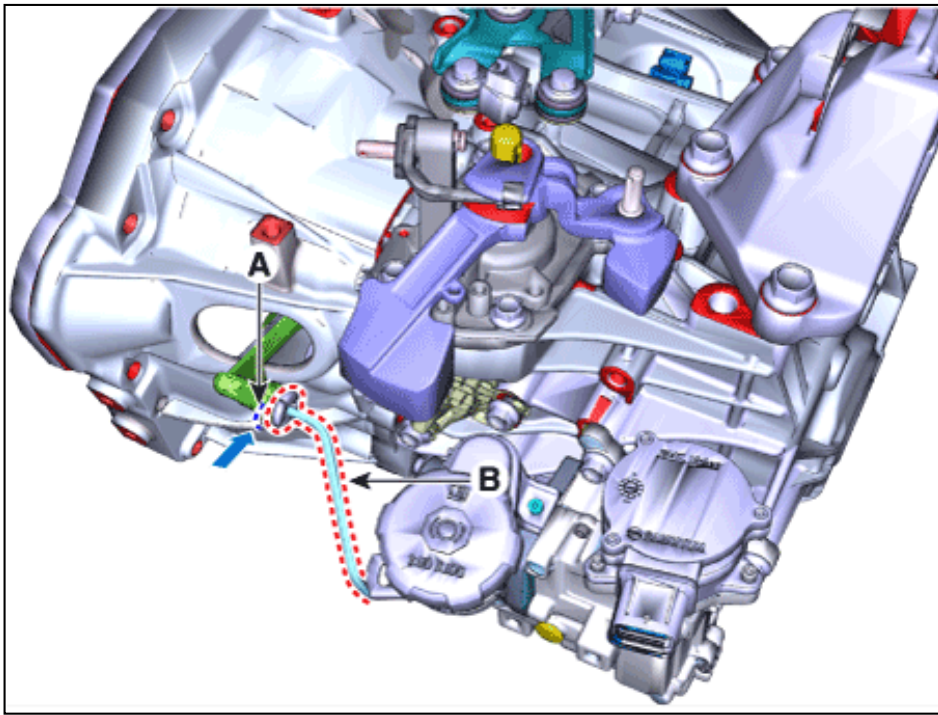
Specified fluid : KLUBER 9R1007

[Intelligent Manual Transaxle Type]

1. Lightly install the concentric slave cylinder (B) on the input shaft (A)

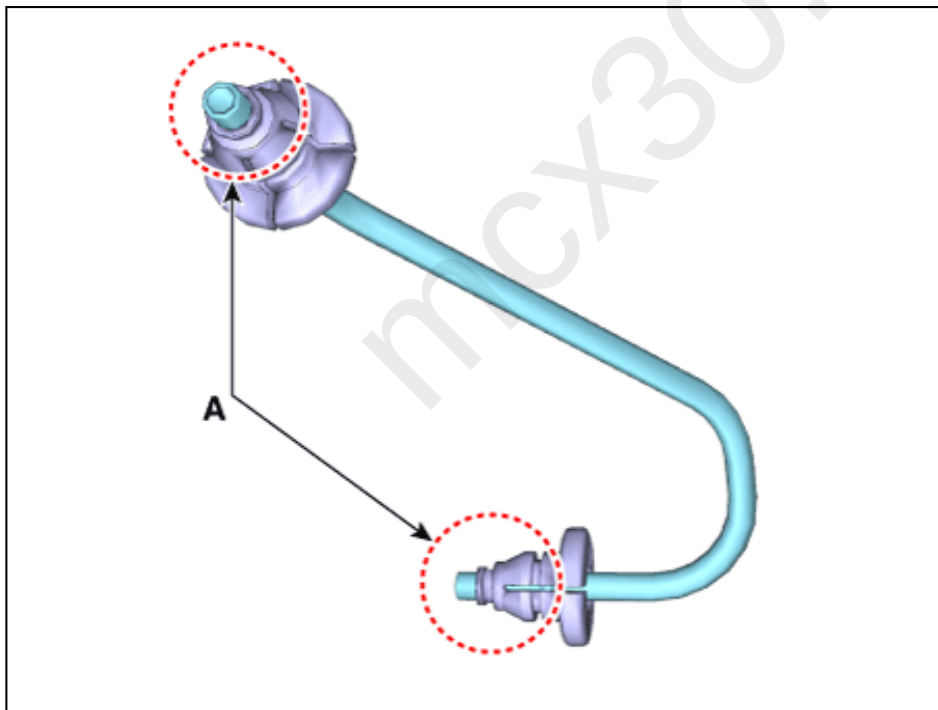


2. Insert the clutch tube (A) into the concentric slave cylinder and then push the clip (B).



- Check the rubber caps (A) of the clutch tube and apply the grease before assembling the clutch tube. Assembling would be difficult without the grease. Don't use engine oil, gearbox oil, coolant, windscreen clear and etc. instead of "RG306".

Specified grease : RG306

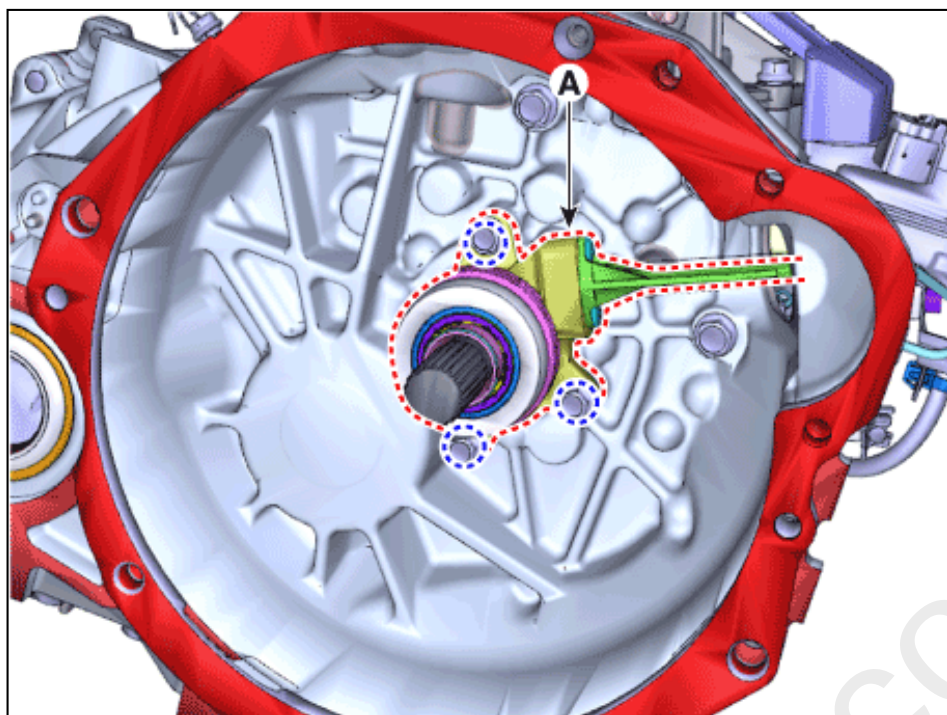


- Check 'click' sound when the clutch tube is inserted into the female connector of the CSC and the clutch actuator assembly.

3. Install the concentric slave cylinder (A) and then tightening the bolts.

Tightening torque:

19.6 - 26.5 N.m (2.0 - 2.7 kgf.m, 14.2 - 19.5 lb-ft)



Adjustment

[Gasoline 1.6 T-GDI]

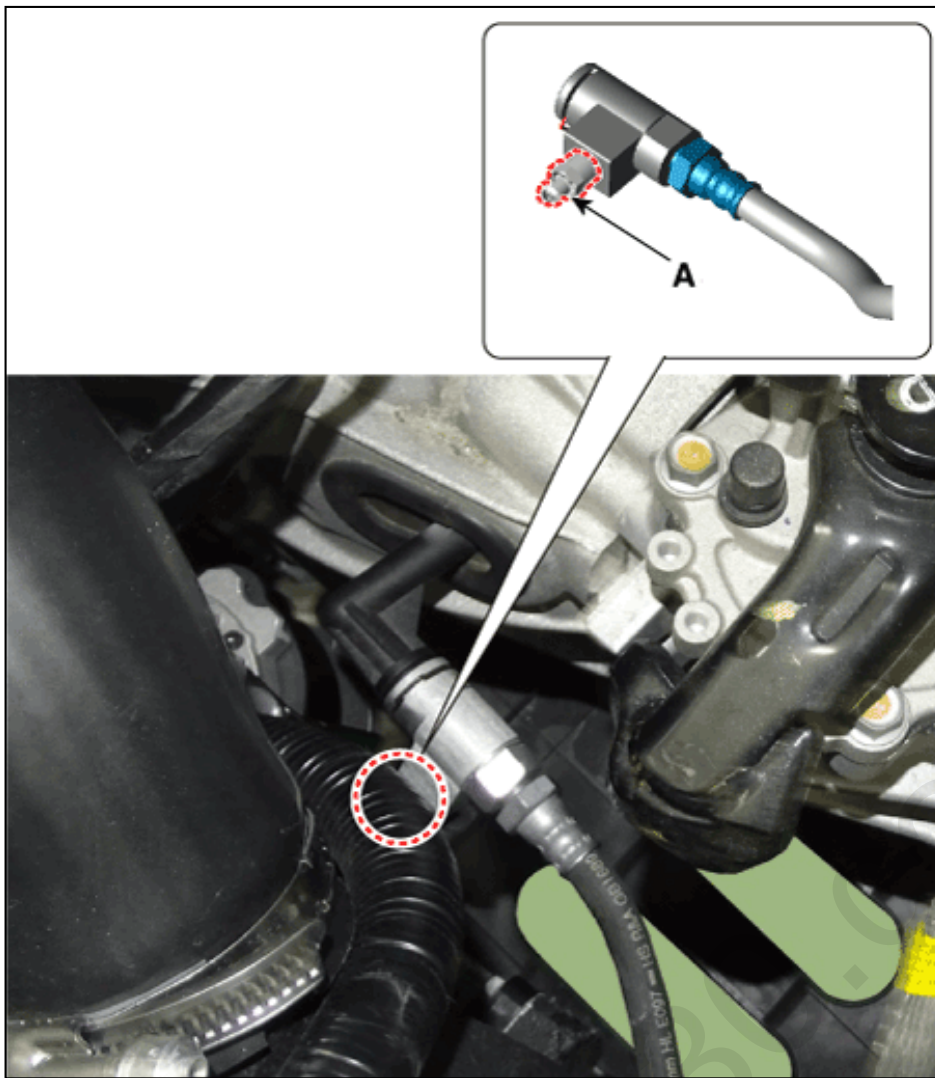
1. Turn ignition switch OFF and disconnect the negative (-) battery cable.
2. Remove the air cleaner assembly and air duct.
(Refer to In case by Gasoline 1.6 T-GDI System - "Air Cleaner")
3. After disconnecting a cap from the concentric slave cylinder air bleeder, insert a vinyl hose in the plug.
4. Refill the reservoir tank with the specified fluid.



- Use the specified fluid. Avoid mixing different brands of fluid.

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

5. Pump the clutch pedal about 10 times.
6. Loosen the air bleed screw (A) at hold down the clutch pedal to allow air to escape from the clutch system. Then tighten the air bleed screw.



7. Repeat the step 2 - 4 until there is no bubble in the fluid.

[Diesel 1.6 TCI]

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

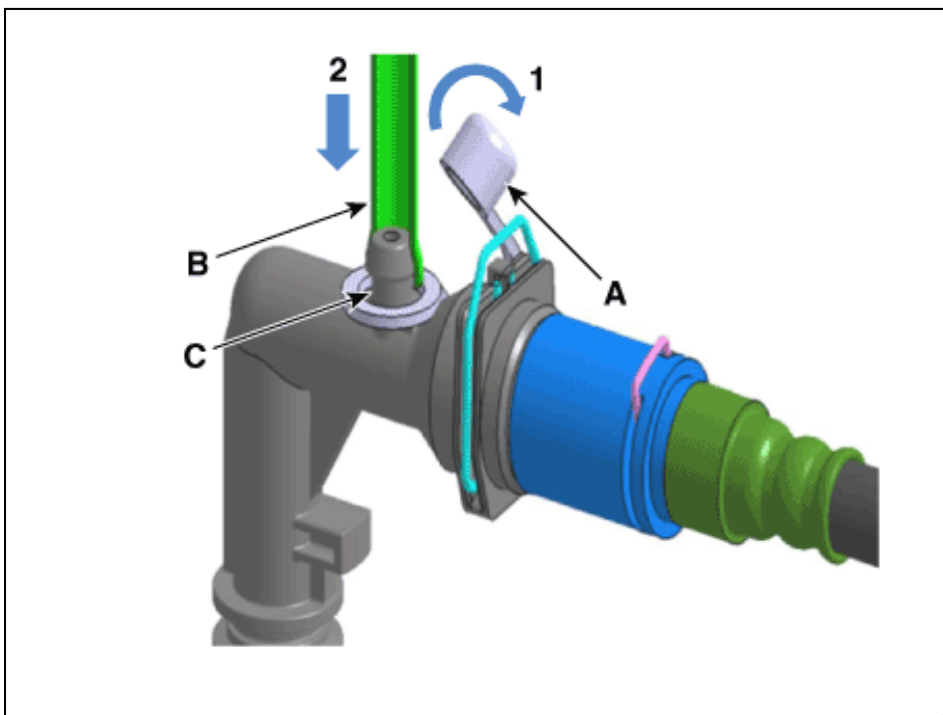
9. Remove the air cleaner assembly and air duct.

(Refer to In case by Diesel 1.6 TCI System - "Air Cleaner")

10. Open the Concentric Slave Cylinder (CSC)'s cap (A) and connect the hose (B) to the CSC's plug (C).

(1) Open the cap (A).

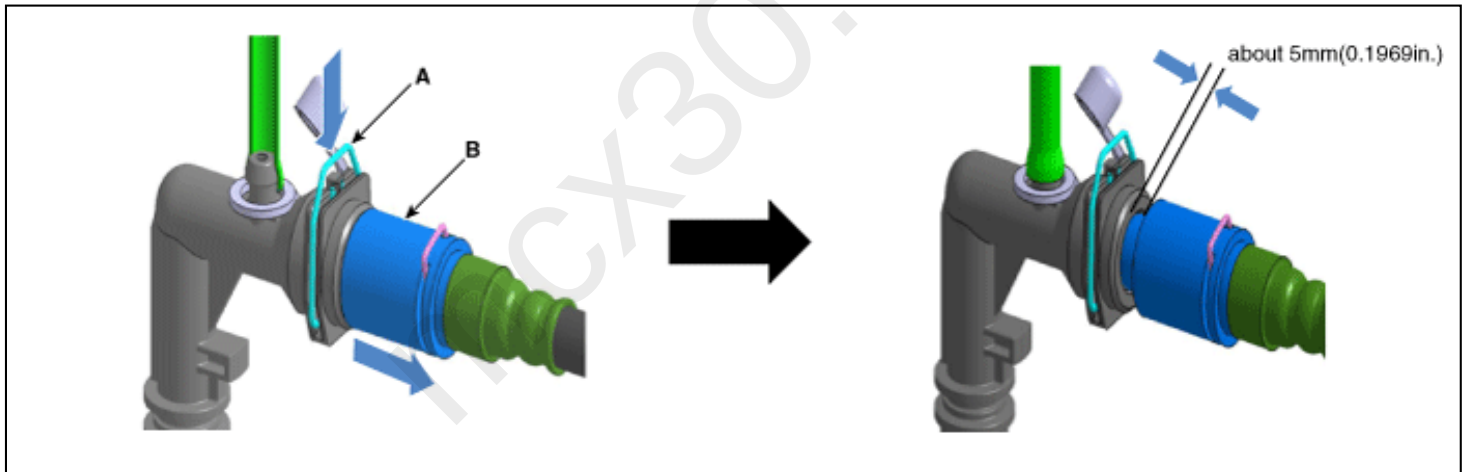
(2) Insert the hose (B)



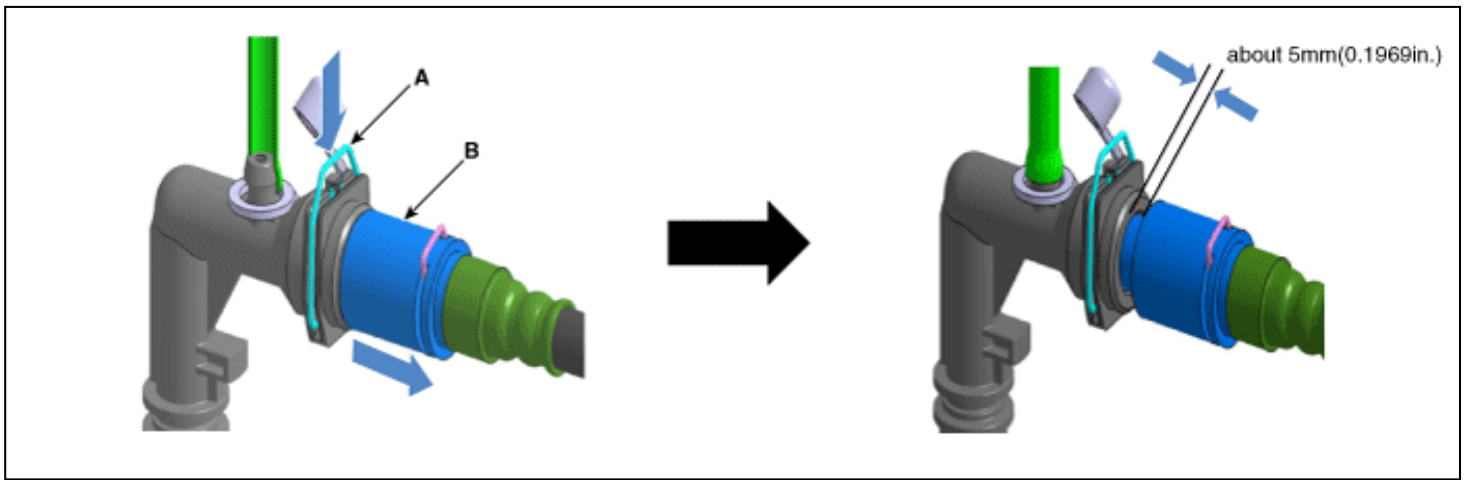
- Be careful not to let any foreign material from getting inside or contaminate the CSC plug.
(It may cause oil leakage due to damage on the hydraulic system while driving.)

11. Pull the connector (B) towards the arrow direction while pressing the CSC's double clip (A).

12. Move about 5 mm(0.1969in.) until you feel the click.



- Do not pull the double clip (A) upward.
(Clip can be damaged and the clutch pedal may not operate due to oil leakage.)
- ※ If the double clip is wrongly operated replace the CSC.



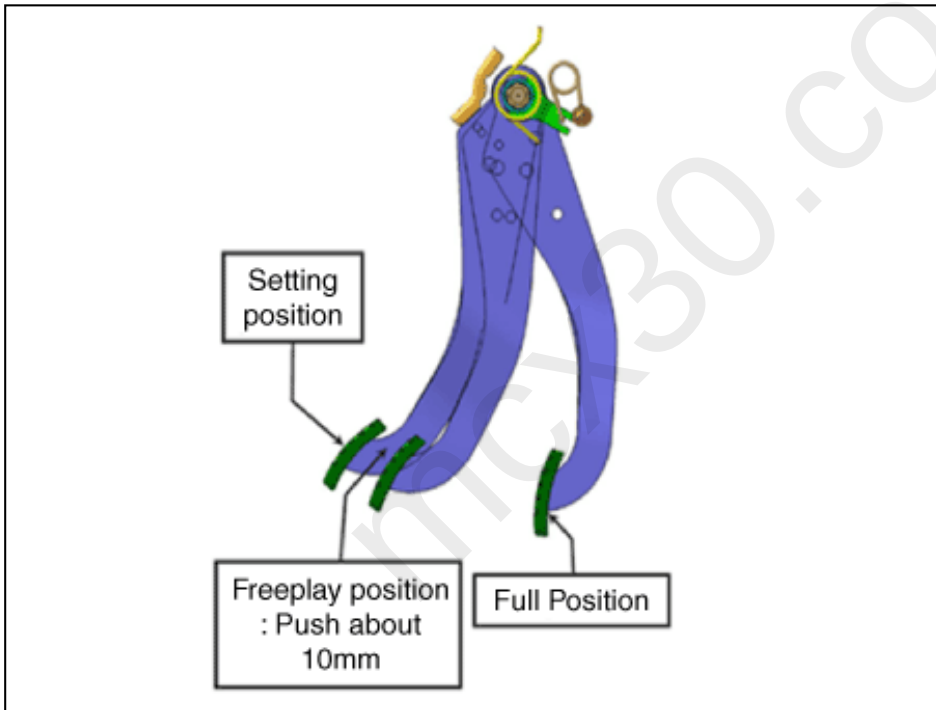
13. Fill the vehicle's reservoir tank with specified oil.

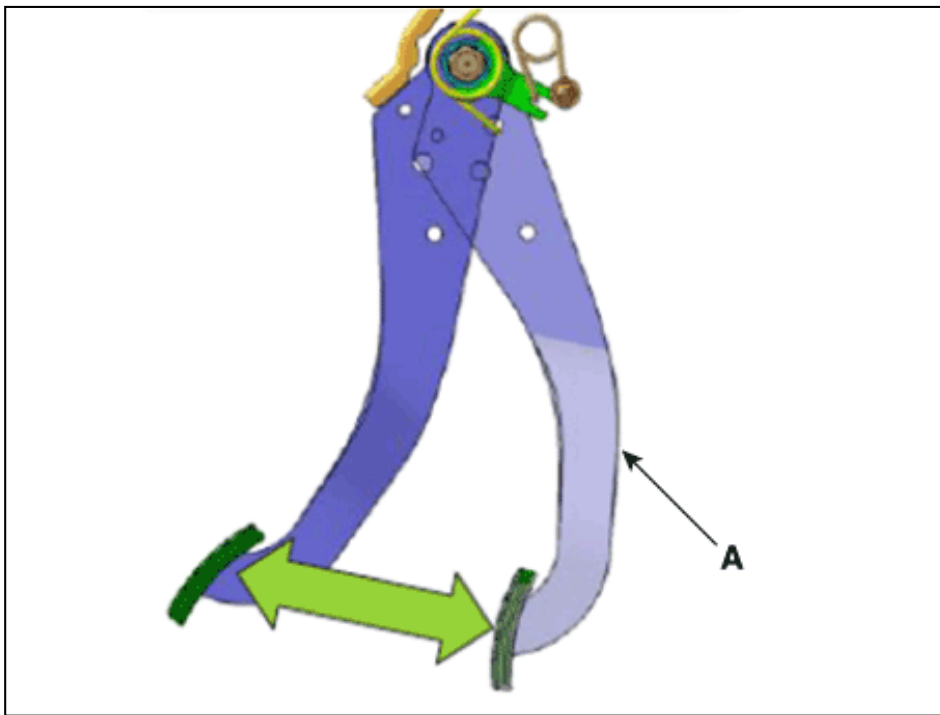
- Use the specified fluid. Avoid mixing different brands of fluid.

Specified fluid : DOT 4

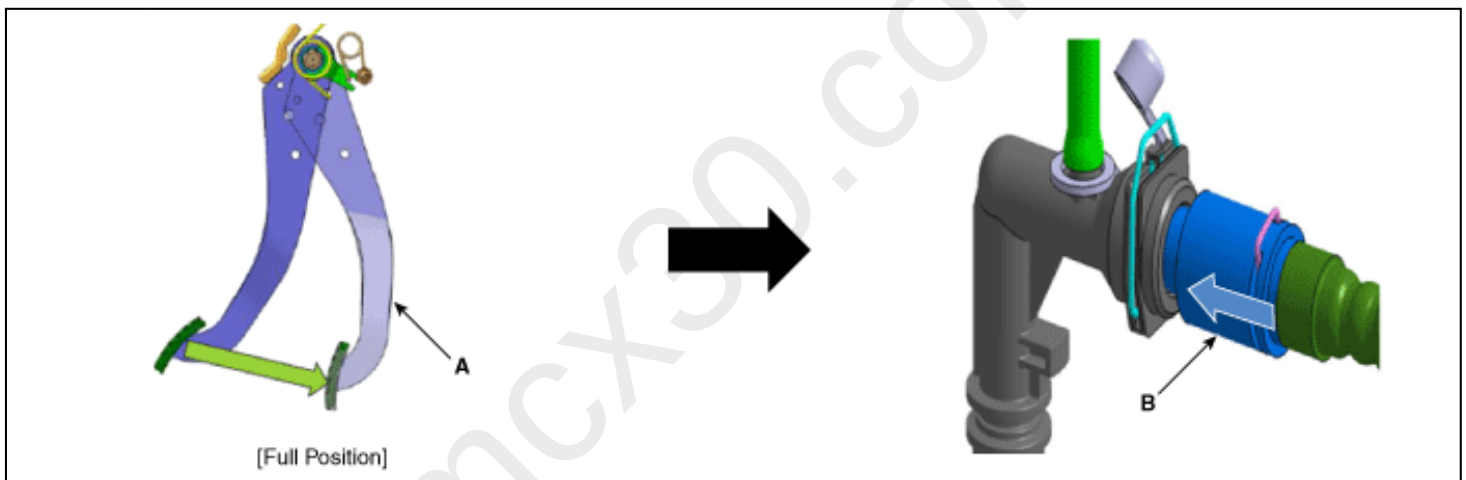
14. Repeatedly depress the clutch pedal (A) to the full position until the bubble is not discharged from the hose.
(Fill the reservoir tank with the oil if necessary.)

- Pedal Position





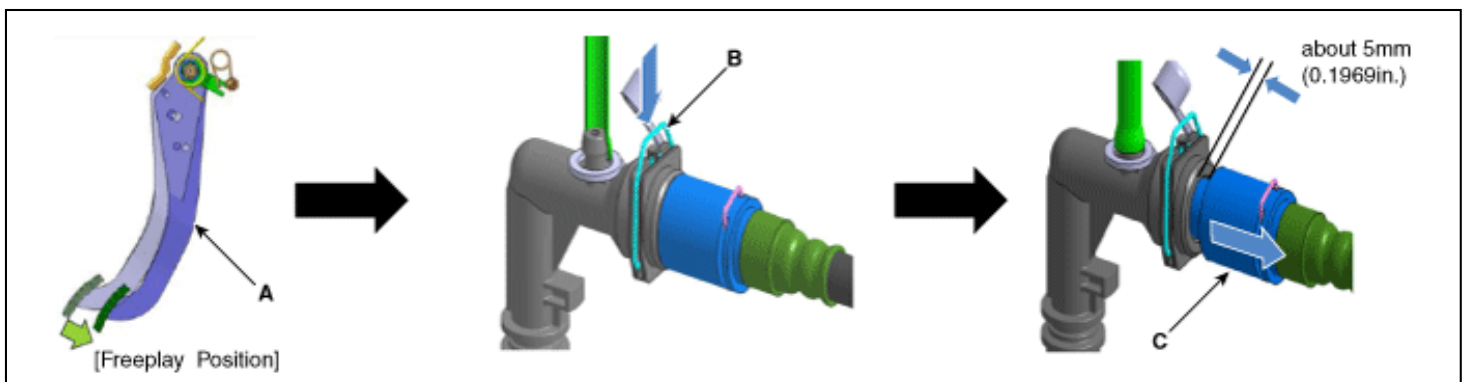
15. When the air bleeding is completed, maintain the clutch pedal (A) in full position and push the connector (B) until you hear the "click" sound and restore to the initial position.



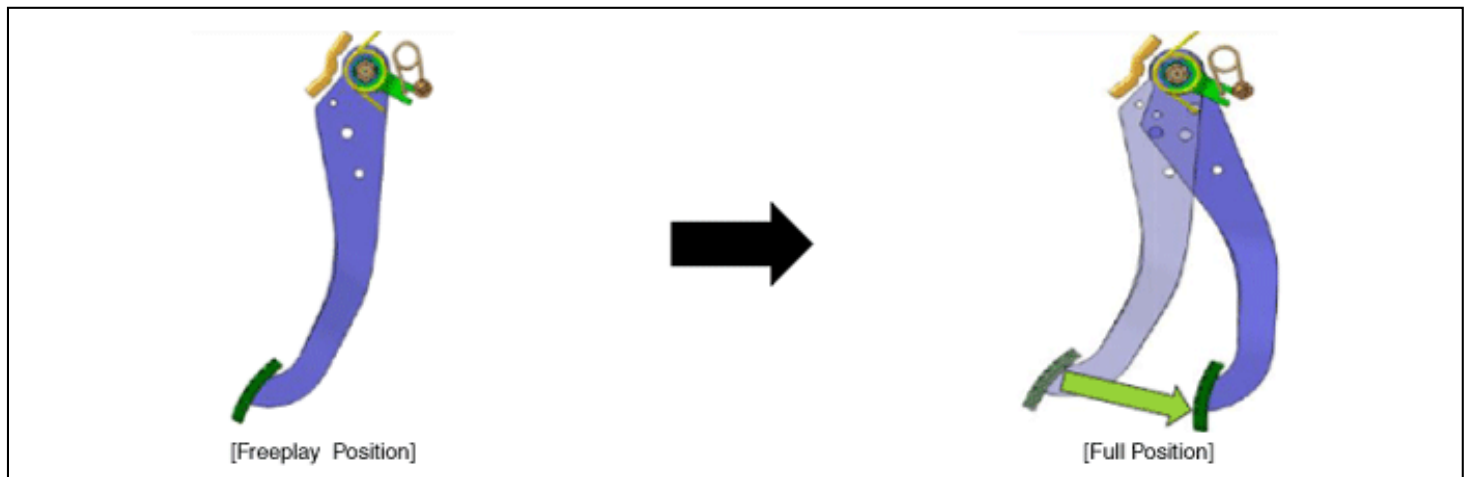
16. For little air bleeding of Concentric Slave Cylinder (CSC)-Clutch Master Cylinder(CMC) area, maintain the clutch pedal (A) in freeplay position and push the double clip (B), In this case, the connector (C) is moved about 5 mm(0.1969in.) towards the arrow direction.



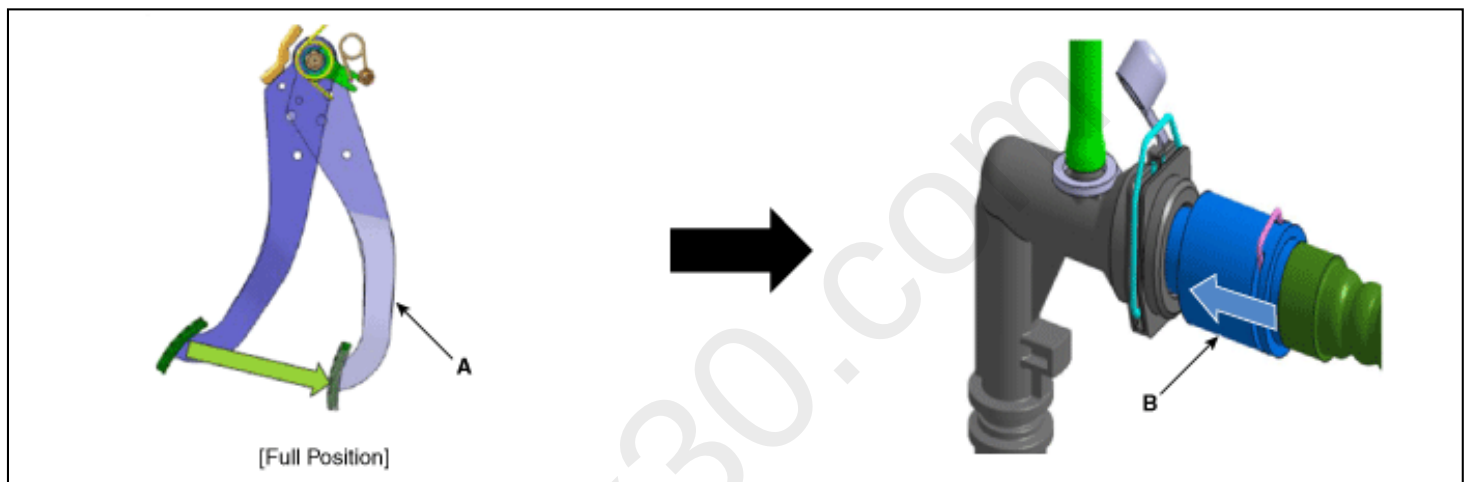
- The connector will not move if the pedal is depressed beyond the freeplay position.



17. Check for bubble by depressing the clutch pedal from the freeplay to the full position.

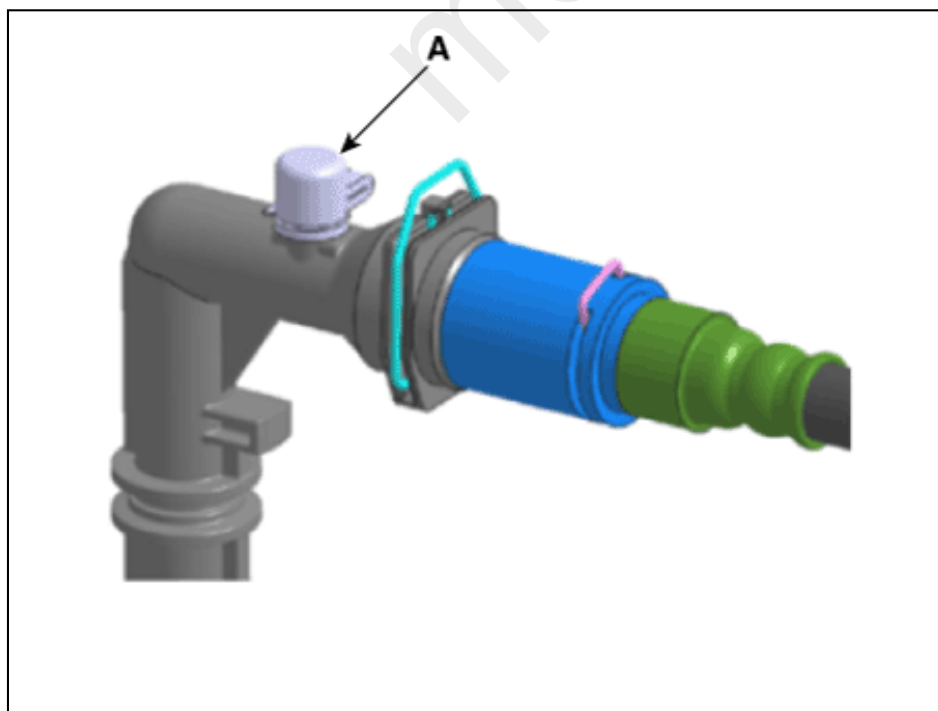


18. When the air bleeding is completed, maintain the clutch pedal (A) in full position and push the connector (B) until you hear the "click" sound and restore to the initial position.



•If any bubble is detected during operation no. 8, repeat operations from 7 to 9.

19. Remove the hose and close the cap (A) if there is no bubble.





- Be careful not to let any foreign material from getting inside or contaminate the CSC plug.
(It may cause oil leakage due to damage on the hydraulic system while driving.)

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