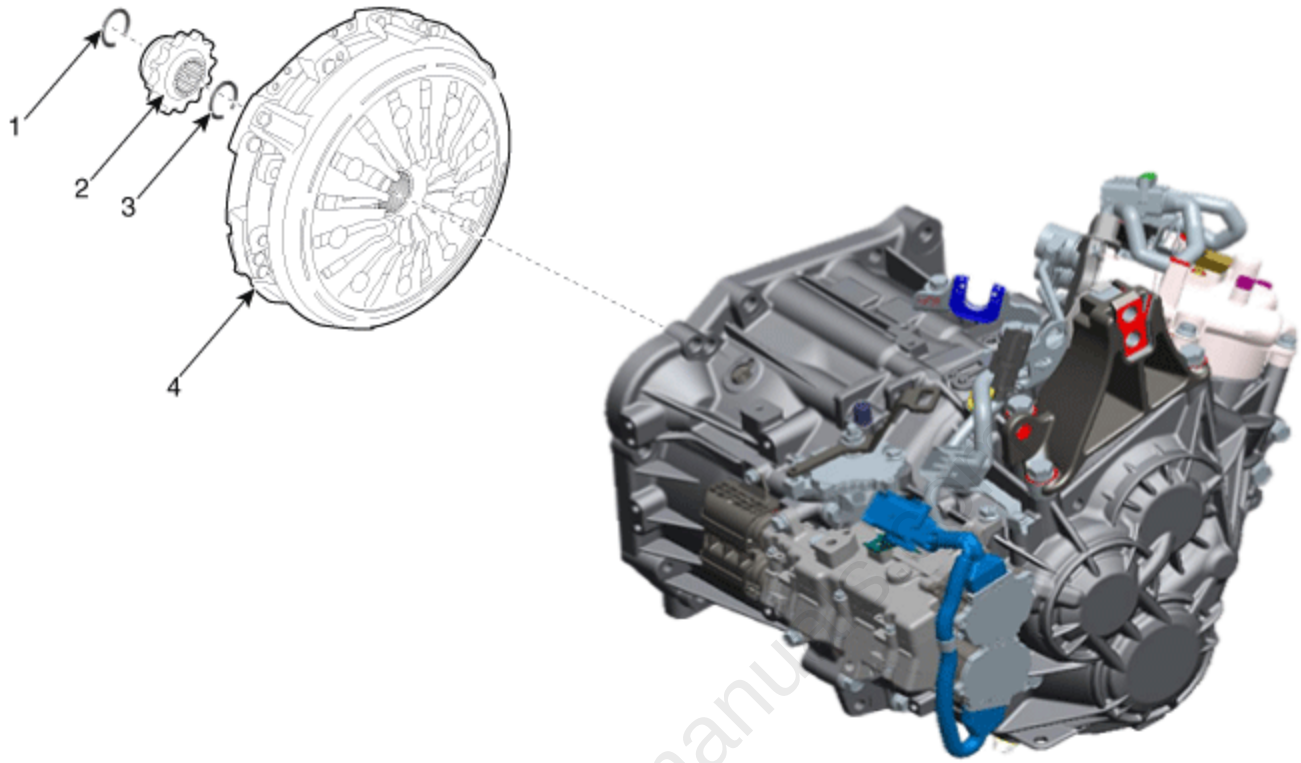
Dual Clutch System / Dual Clutch Assembly

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Components and components location

Components



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1. Retaining ring
2. Spline hub
3. Snap ring
4. Dual clutch assembly

Video Clip

Dual Clutch Assembly Remove03:00

Dual Clutch Assembly Install10:41

Dual Clutch Actuator Rod Adjust (Dual Clutch Assembly Change)05:49

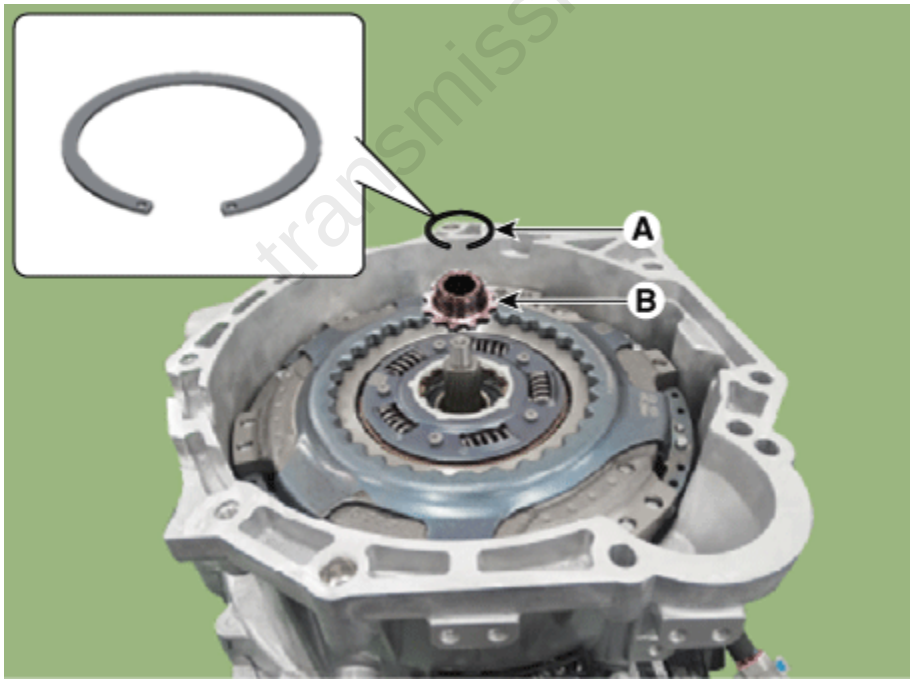
Removal

(Refer to the video clip)

1. Remove the dual clutch transmission from the vehicle.

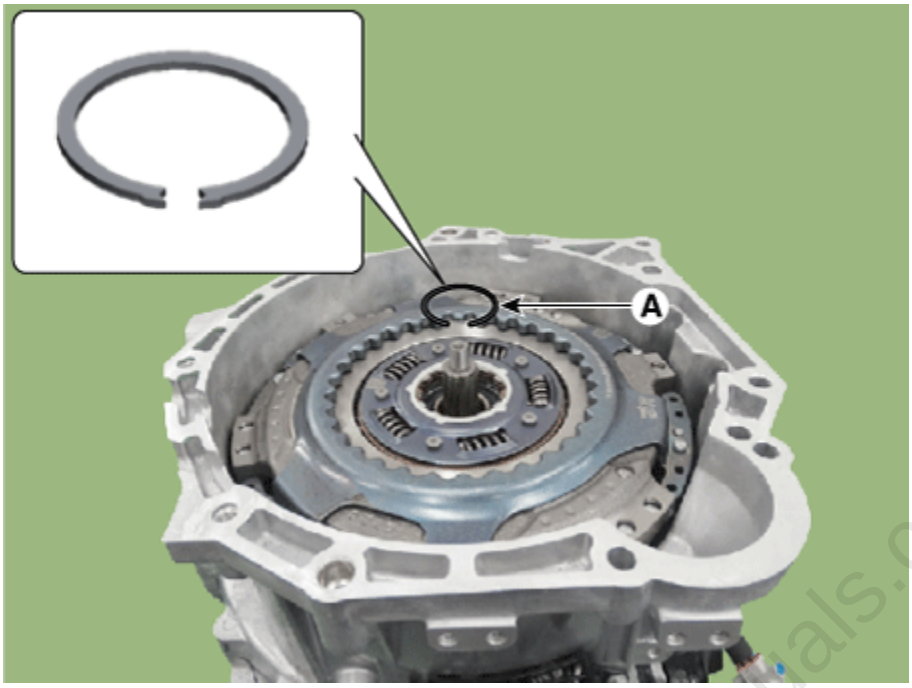
   (Refer to DCT System - "DCT")

2. Remove the spline hub (B) after removing a retaining ring (A).

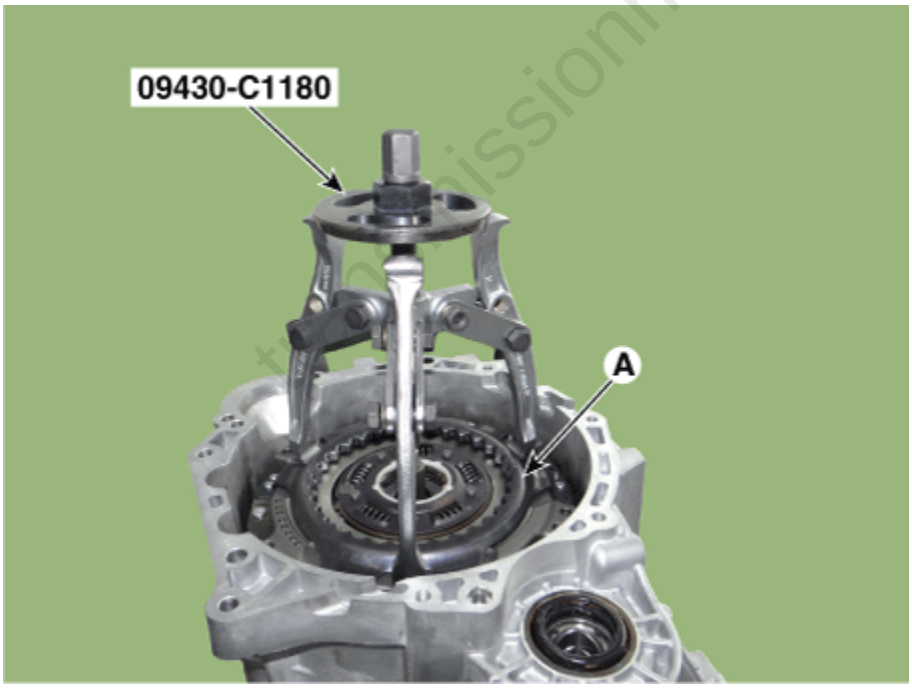


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3. Remove the snap ring (A).



4. Remove the dual clutch assembly (A) by using the special service tool (09430-C1180).



Installation

(Refer to the video clip)

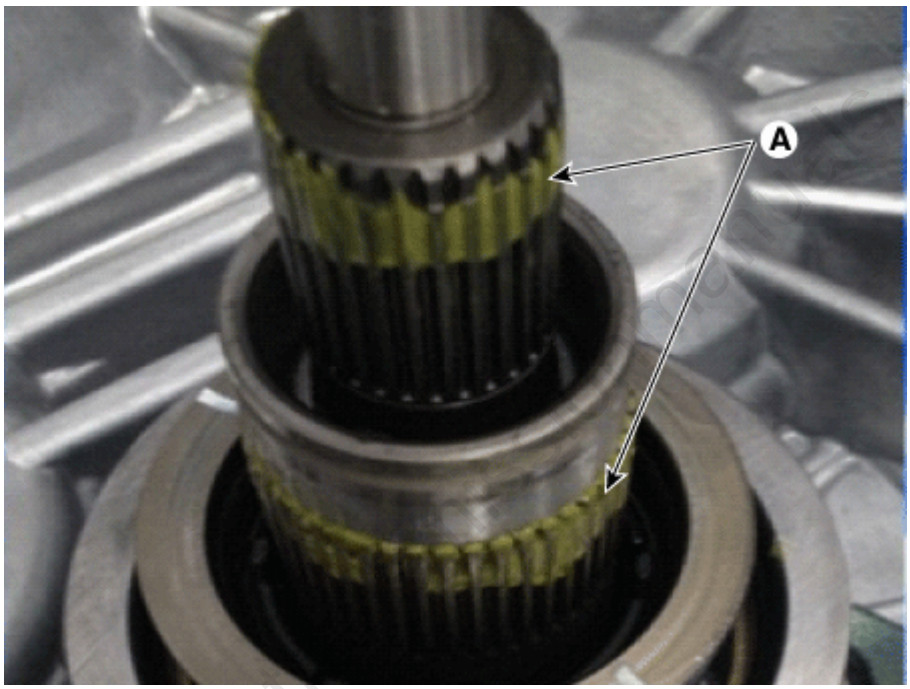
NOTICE

- Check that the input shaft spline part (A) is sufficiently greased before installing the dual clutch assembly. If the input shaft spline part is not greased, apply the grease to 10 mm on each spline end.

- If an excessive amount of grease is applied, it may get scattered by centrifugal force, contaminating the clutch disc. This can lead to loss of friction force.

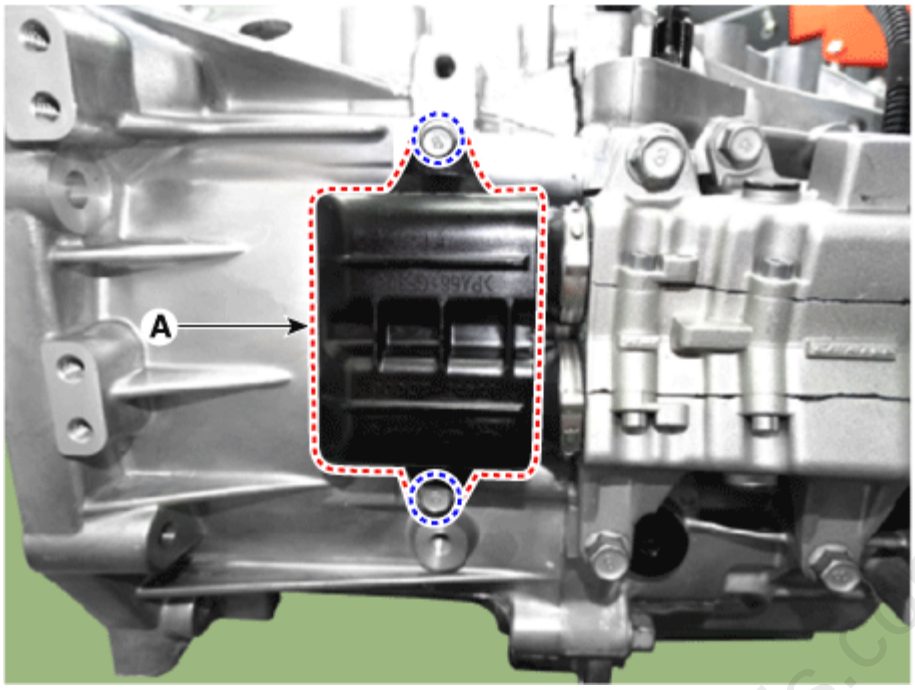
Specified grease : Extreme pressure grease for vehicle

Quantity : 0.15 - 0.25 g

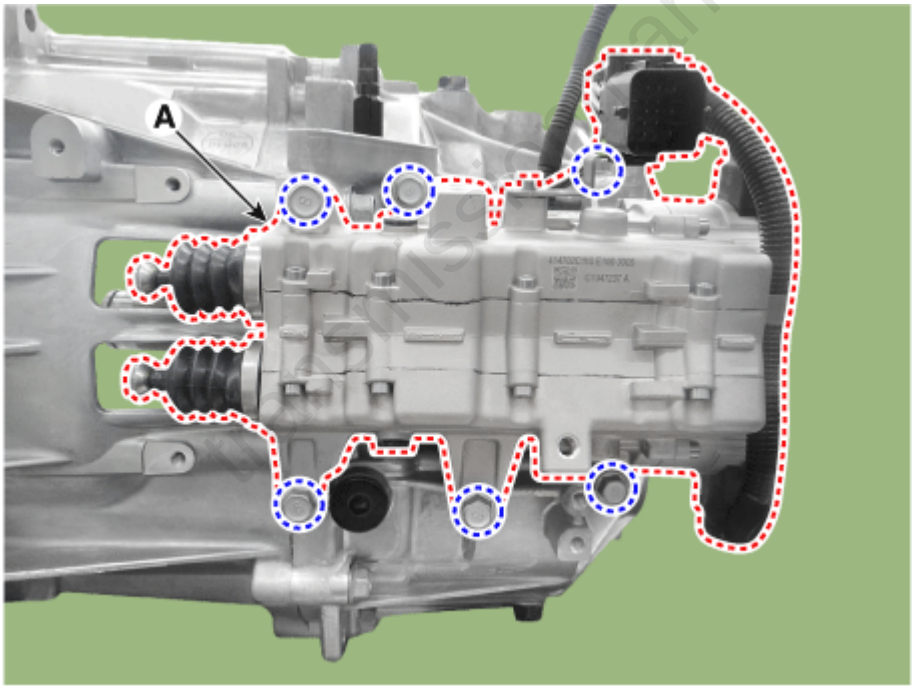


1. If dual clutch assembly needs replacement, perform the clutch wear compensation Initialize.

   (1) Remove the fork cover (A).



(2)
Remove the clutch actuator assembly (A).



(3)
Perform the clutch wear compensation Initialize.

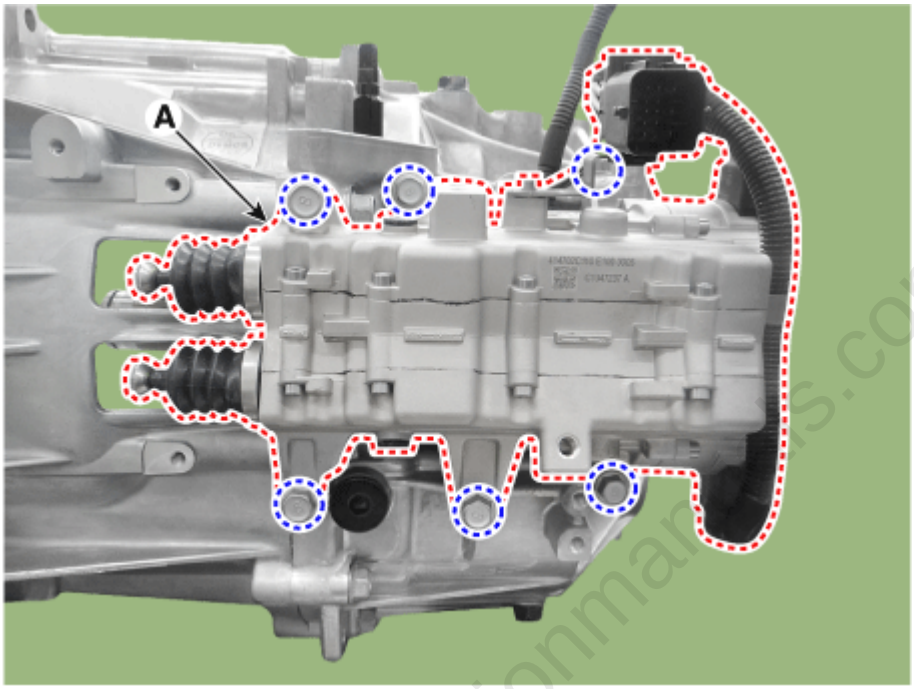
(Refer to Dual Clutch Transmission Control System - "Clutch Actuator Assembly")

(Refer to the video clip)

(4)
Install the the clutch actuator assembly (A).

Tightening torque :

19.6 - 26.5 N·m (2.0 - 2.7 kgf·m, 14.5 - 19.5 lb·ft)

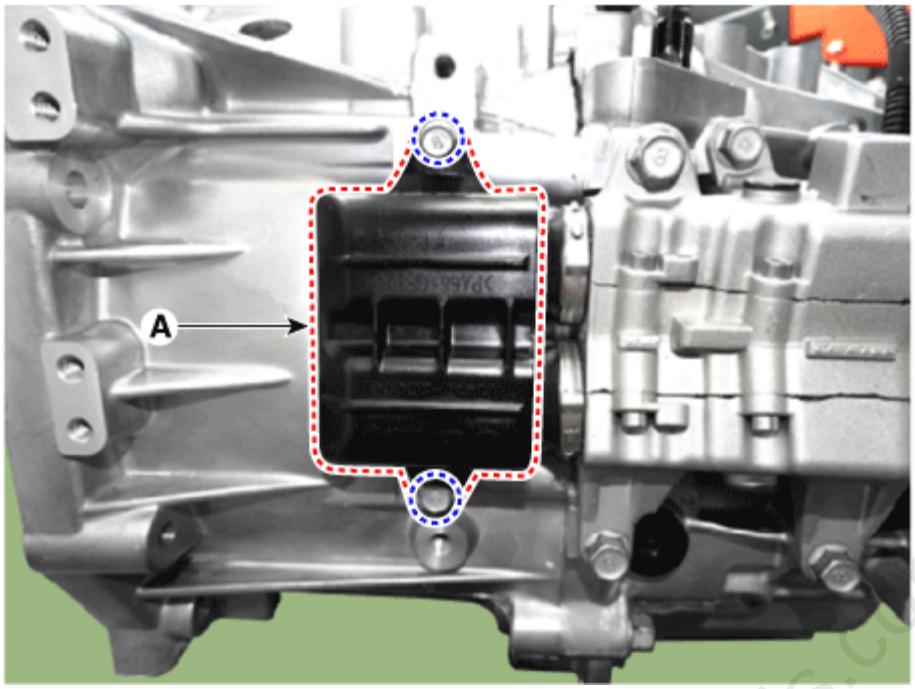


(5)
Install the fork cover (A).

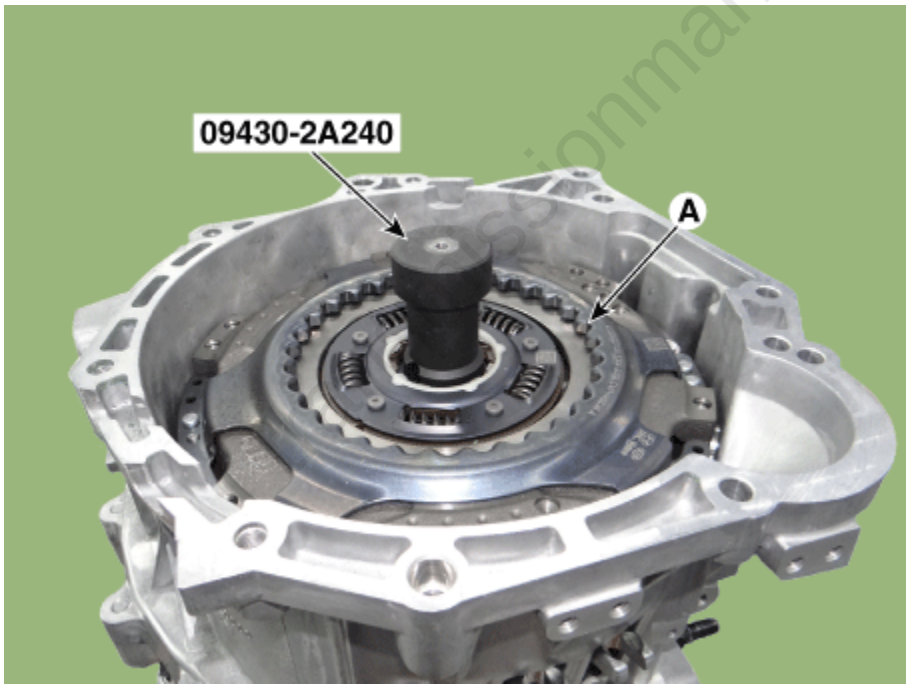
Tightening torque :

3.9 - 5.9 N·m (0.4 - 0.6 kgf·m, 2.9 - 4.3 lb·ft)

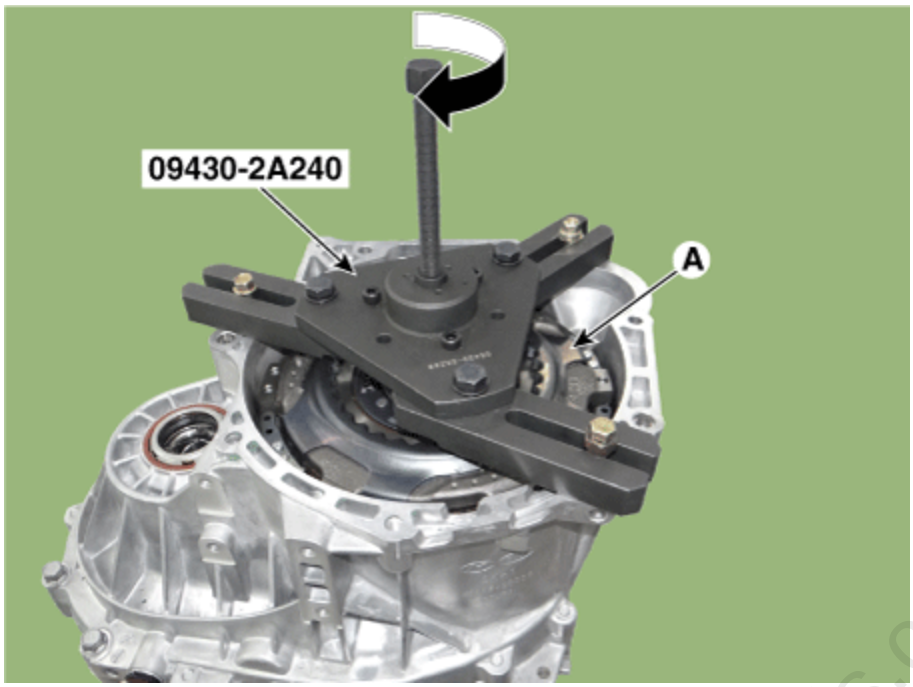
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2. By using the dual clutch installer (09430-2A240), place the dual clutch assembly.



3. Install the special service tool (09430-2A240) on the clutch housing side. Then, install the dual clutch assembly (A) by rotating the shaft of service tool.

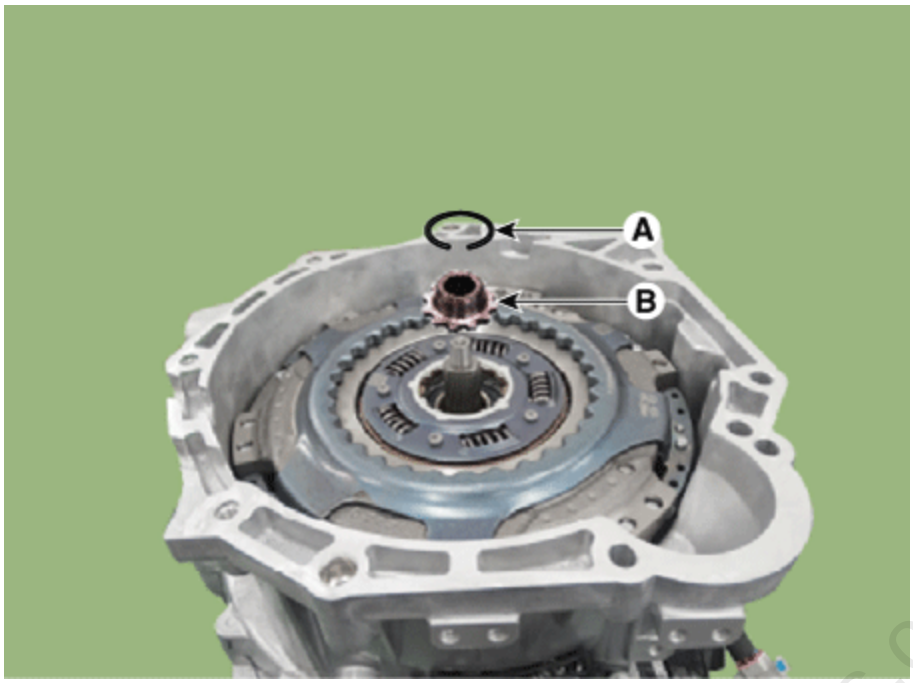


4. Install the snap ring (A).



5. Install the spline hub (B) and the retaining ring (A).

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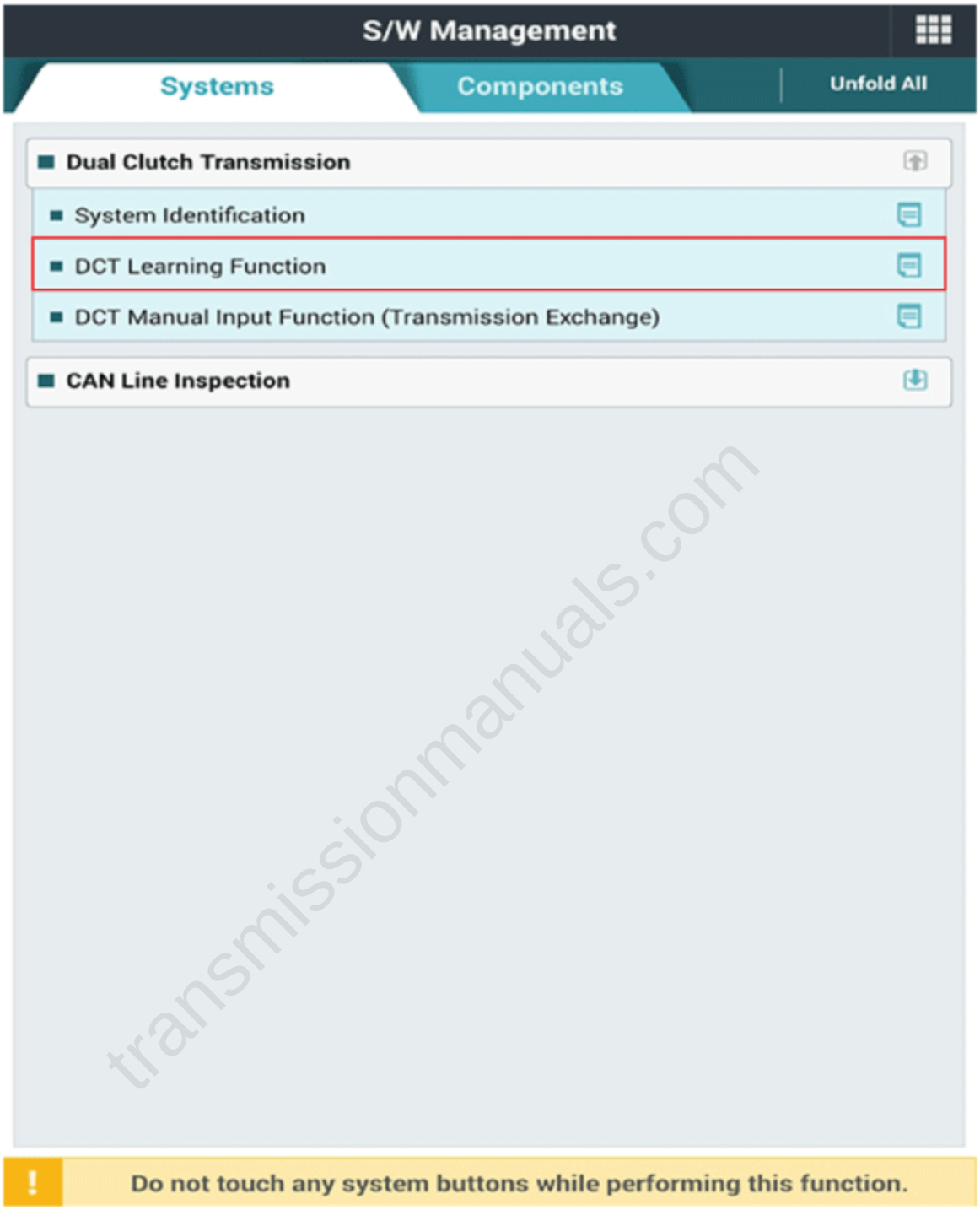


6. Install the dual clutch transmission to vehicle.

   (Refer to DCT System - "DCT")

7. Perform the clutch touch point learning procedure using the KDS.

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Dual Clutch System
...

Clutch Engagement Fork and Engagement Bearing
Components and components location Components 1. Clutch housing 2. Engagement bearing 2 (Even) 3. Engagement bearing 1 (Odd) 4. Engagement bearing sleeve ...

Other information:

Kia Forte 2019-2023 (BD) Owners Manual: Low tire pressure telltale

When the tire pressure monitoring system warning indicators are illuminated, one or more of your tires is significantly under-inflated. If the telltale illuminates, immediately reduce your speed, avoid hard cornering and anticipate increased stopping distances. You should stop and ...

Kia Forte 2019-2023 (BD) Owners Manual: FCA warning message and system control

The FCA system produces warning messages, warning alarms, and emergency braking based on the risk of a frontal collision, such as when a vehicle ahead suddenly brakes. The driver can select the initial warning activation time in the User Settings in the LCD display. The options for the ...

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