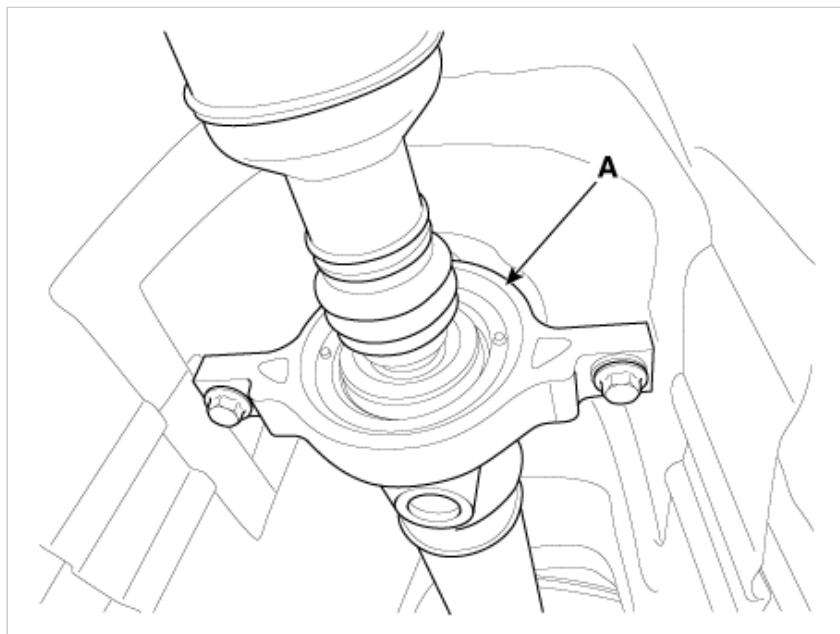




Inspection

CV Joint and boots

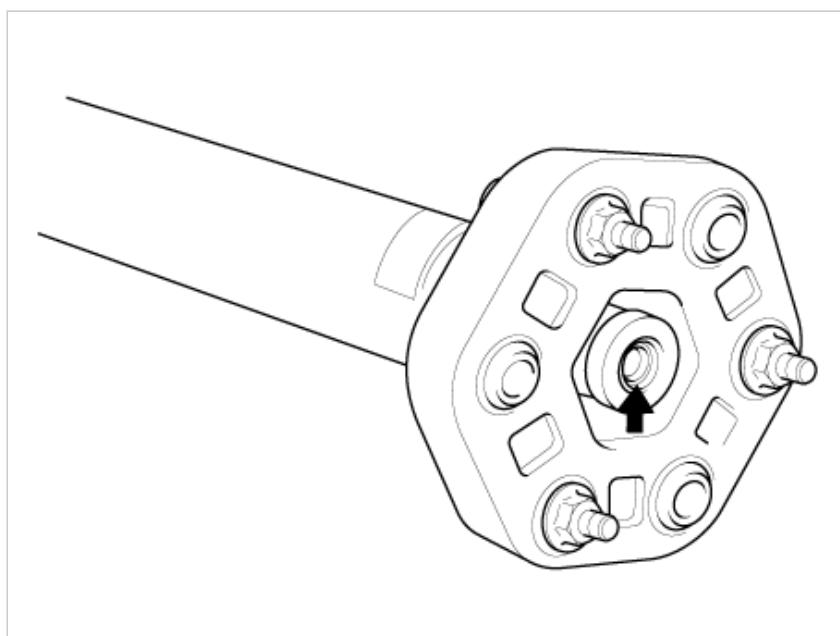
1. Shift the transmission lever to Neutral.
2. Raise the vehicle off the ground, and support it with safety stands in the proper locations.
3. Check the center bearing (A) for excessive play or rattle and rubber for rent. If the center bearing has excessive play or rattle and rubber has rent, replace the propeller shaft assembly.



4. Check the CV joint boot for damage and deterioration. If the boot is damaged or deteriorated, replace the propeller shaft assembly.
5. Check the CV joint for excessive play or rattle. If the CV joint have excessive play or rattle, replace the propeller shaft assembly.

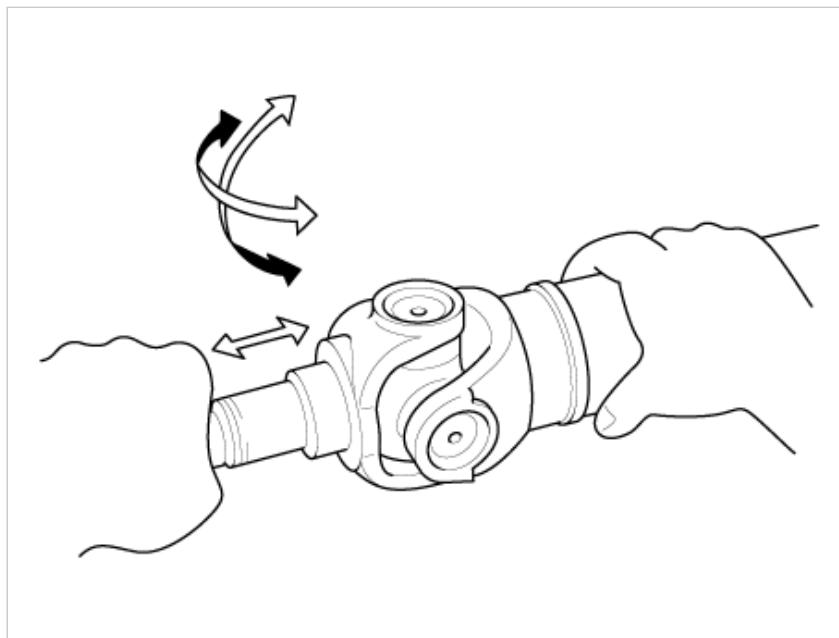
Inspect Flexible Coupling

1. Check the front and rear flexible couplings for cracks or damage.
2. Inspect the flexible coupling centering bushing. If the busing is damaged, replace the propeller shaft assembly.



Universal Joint Inspect

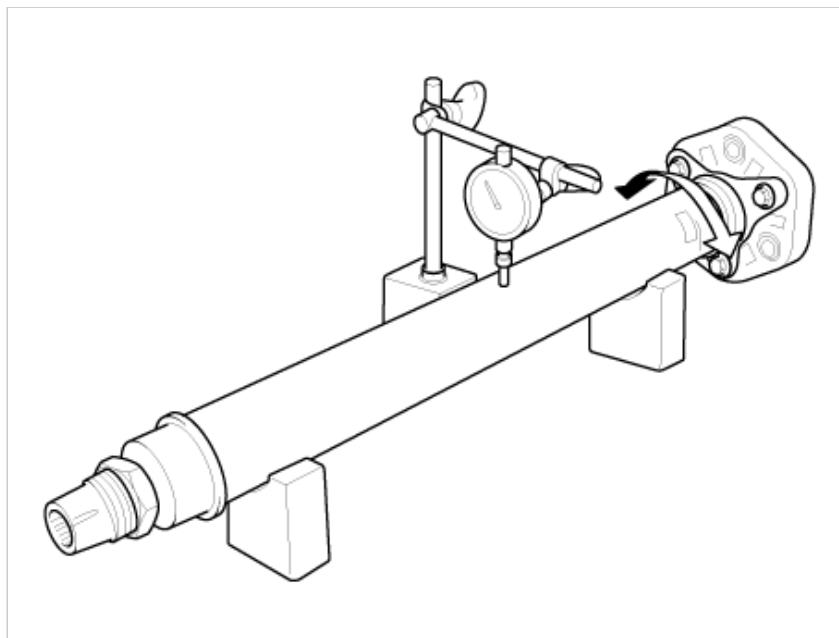
1. Check that the spider bearing rotates smoothly.
2. Check that there is no play in the spider bearing if necessary, replace the propeller shaft.



Propeller shaft runout

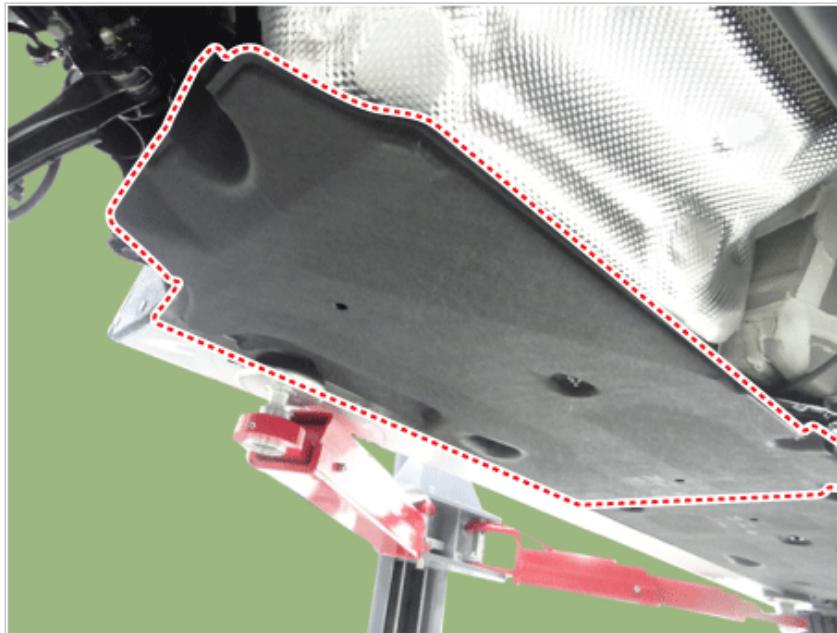
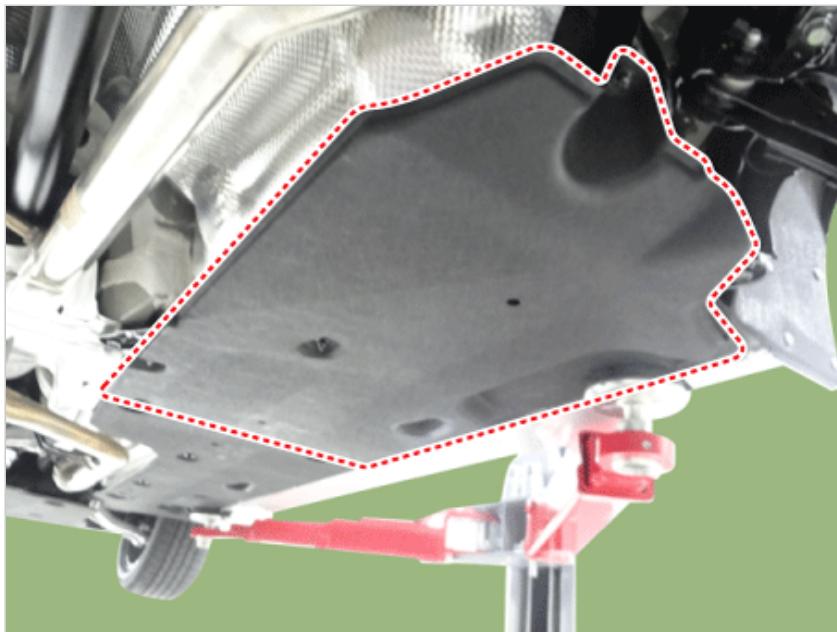
1. Install a dial indicator with its needle on the center of front propeller shaft or rear propeller shaft.
2. Turn the propeller shaft slowly and check the runout. Repeat this procedure for the other propeller shaft.

Front Propeller Shaft Runout :0.3mm (0.012in.)



Removal

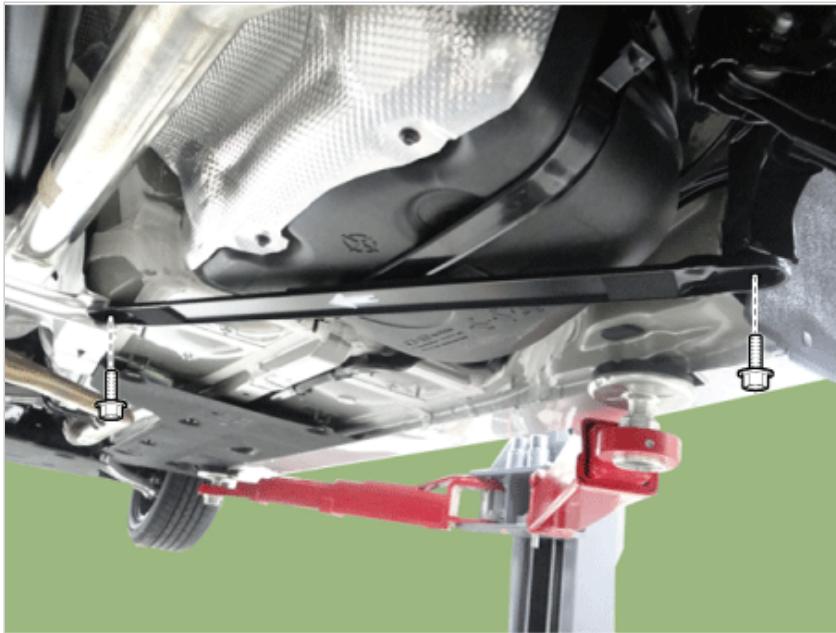
1. Remove the floor under cover.



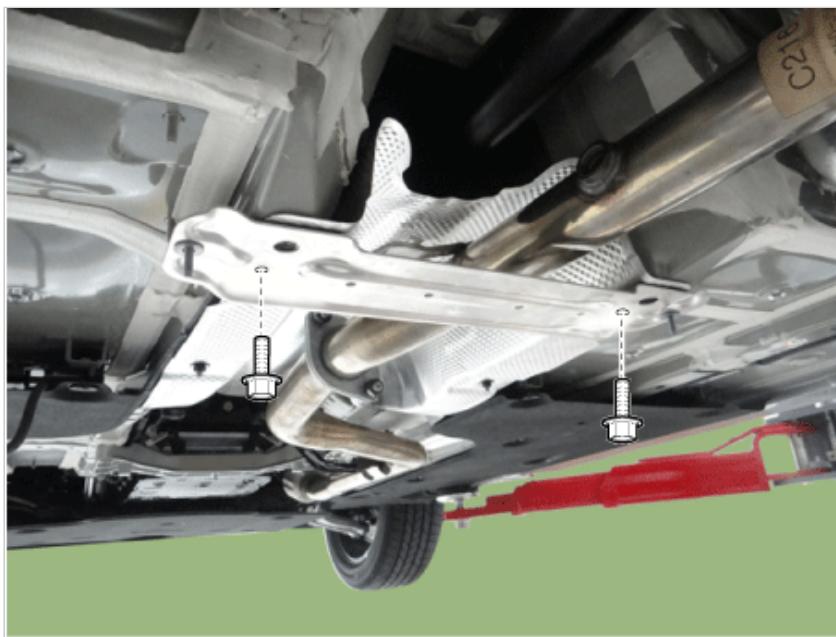
2. Remove the stiffener bar bracket. [LH, RH]

Tightening torque :

98.1 - 117.7 N·m (10.0 - 12.0 kgf·m, 72.3 - 86.8 lb·ft)



3. Remove the stay bracket.



4. Remove the center muffler.

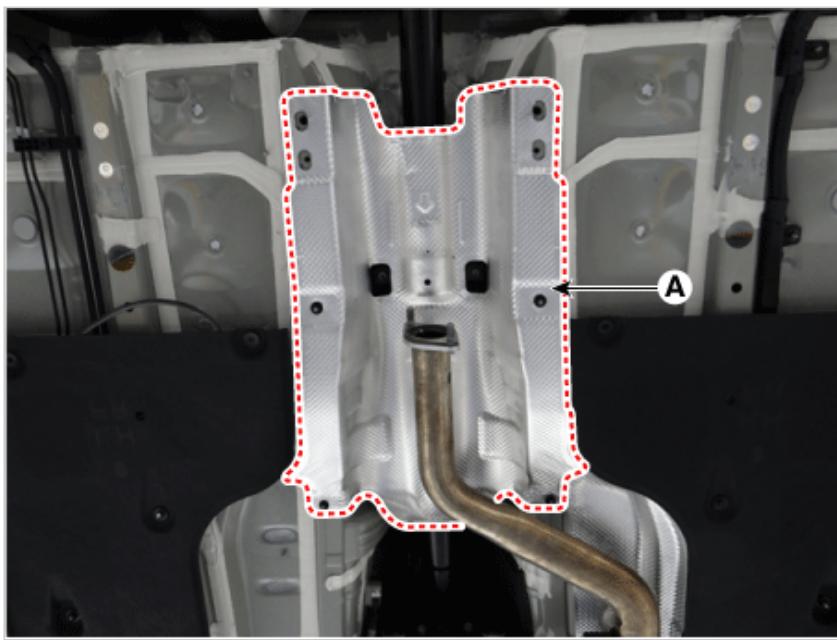
G 2.0 T-GDI THETA II (Refer to Engine Mechanical System - "Muffler")

G 3.3 T-GDI LAMBDA II (Refer to Engine Mechanical System - "Muffler")

5. Remove the heat protector (A).

Tightening torque :

4.9 - 6.9 N·m (0.5 - 0.7 kgf·m, 3.6 - 5.0 lb·ft)



6. Remove the front muffler.

G 2.0 T-GDI THETA II (Refer to Engine Mechanical System - "Muffler")

G 3.3 T-GDI LAMBDA II (Refer to Engine Mechanical System - "Muffler")

7. Loosen the bolts and then separate the front propeller shaft.

Tightening torque :

88.3 - 107.9 N·m (9.0 - 11.0 kgf·m, 65.1 - 79.6 lb·ft)



NOTICE

- Mark the location and direction of bolt and washer before removing the propeller shaft.
- Do not reuse the bolt.
- Installing the bolt and washer differently from the initial state can result in unbalanced propeller shaft causing abnormal vibration of propeller shaft at high speed.
- In case of abnormal vibration at high speed after replacing the propeller shaft with a new one or reinstalling it differently from the initial state, perform balancing procedure by using the propeller shaft balance device.
- Limp propeller shaft after removing propeller shaft or transfer or rear differential may damage the internal parts. Securely support the removed part to prevent limp propeller shaft.

8. Loosen the center bearing propeller shaft bolts.

Tightening torque :

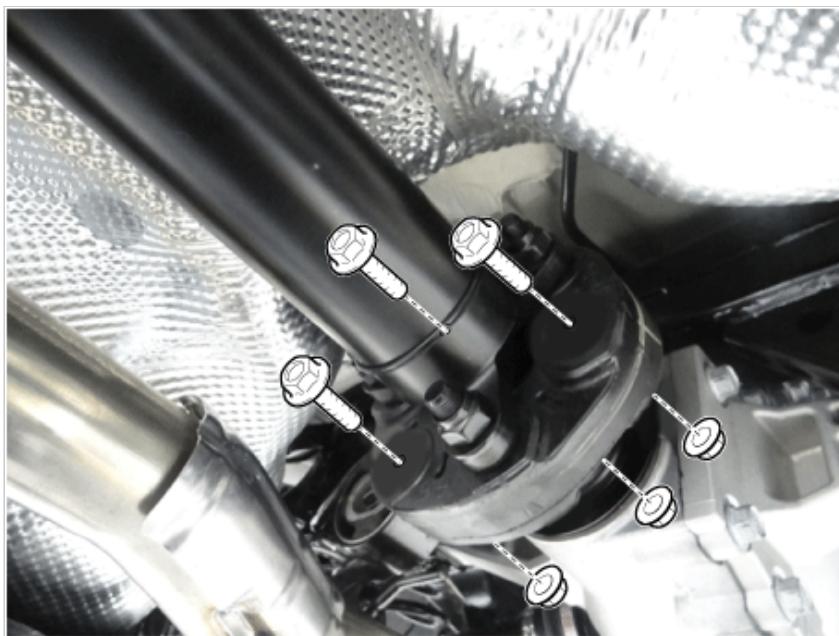
49.0 - 58.8 N·m (5.0 - 6.0 kgf·m, 36.1 - 43.4 lb·ft)



9. Loosen the rear propeller shaft bolts and then remove the propeller shaft.

Tightening torque :

88.3 - 107.9 N·m (9.0 - 11.0 kgf·m, 65.1 - 79.6 lb·ft)



NOTICE

- Mark the location and direction of bolt and washer before removing the propeller shaft.
- Do not reuse the bolt.
- Installing the bolt and washer differently from the initial state can result in unbalanced propeller shaft causing abnormal vibration of propeller shaft at high speed.
- In case of abnormal vibration at high speed after replacing the propeller shaft with a new one or reinstalling it differently from the initial state, perform balancing procedure by using the propeller shaft balance device.
- Limp propeller shaft after removing propeller shaft or transfer or rear differential may damage the internal parts. Securely support the removed part to prevent limp propeller shaft.

10. Install in the reverse order of removal.