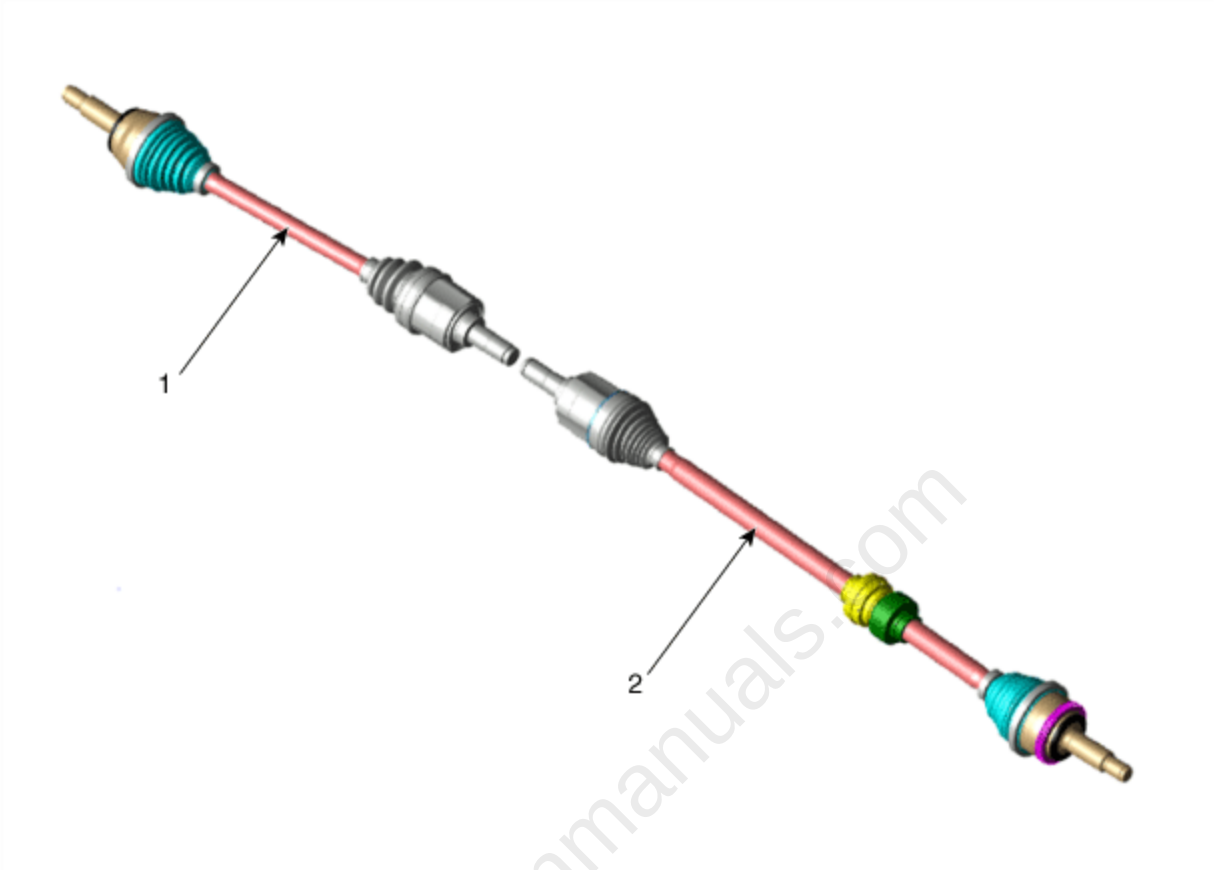
Driveshaft Assembly / Front Driveshaft

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Components and components location

Components Location

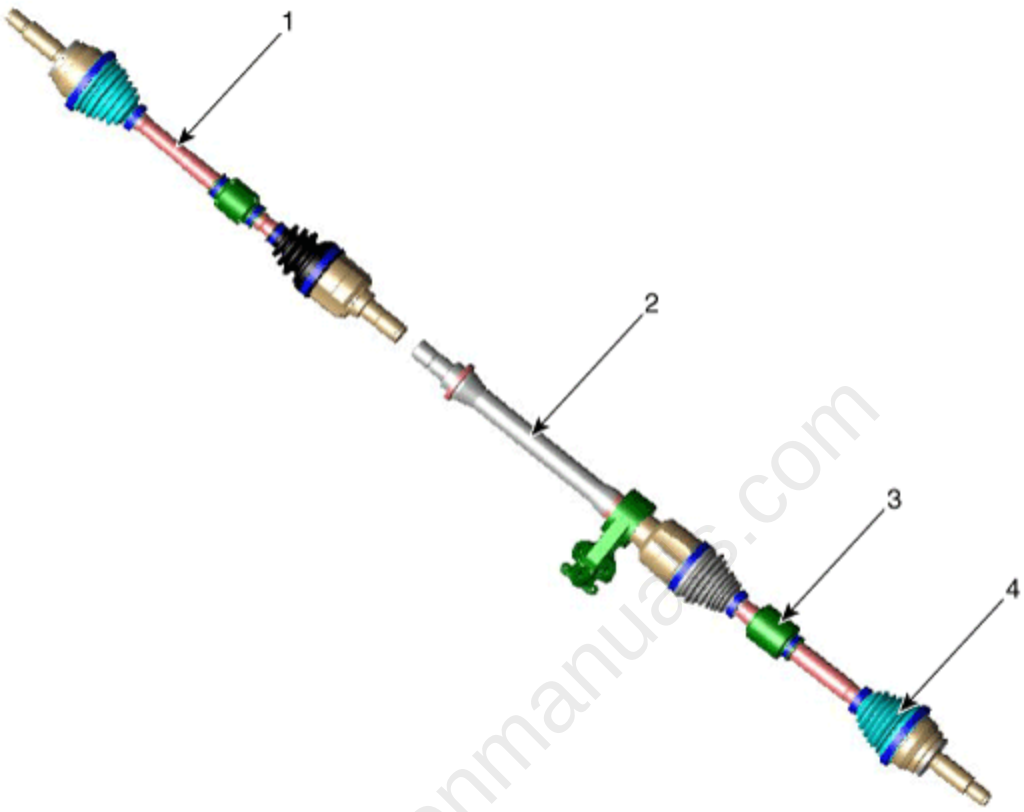
[Gamma 1.6 MPI, Nu 2.0 MPI, New U 1.6 TCI]



1. Drive shaft (LH)
2. Drive shaft (RH)

[Gamma 1.6 T-GDI

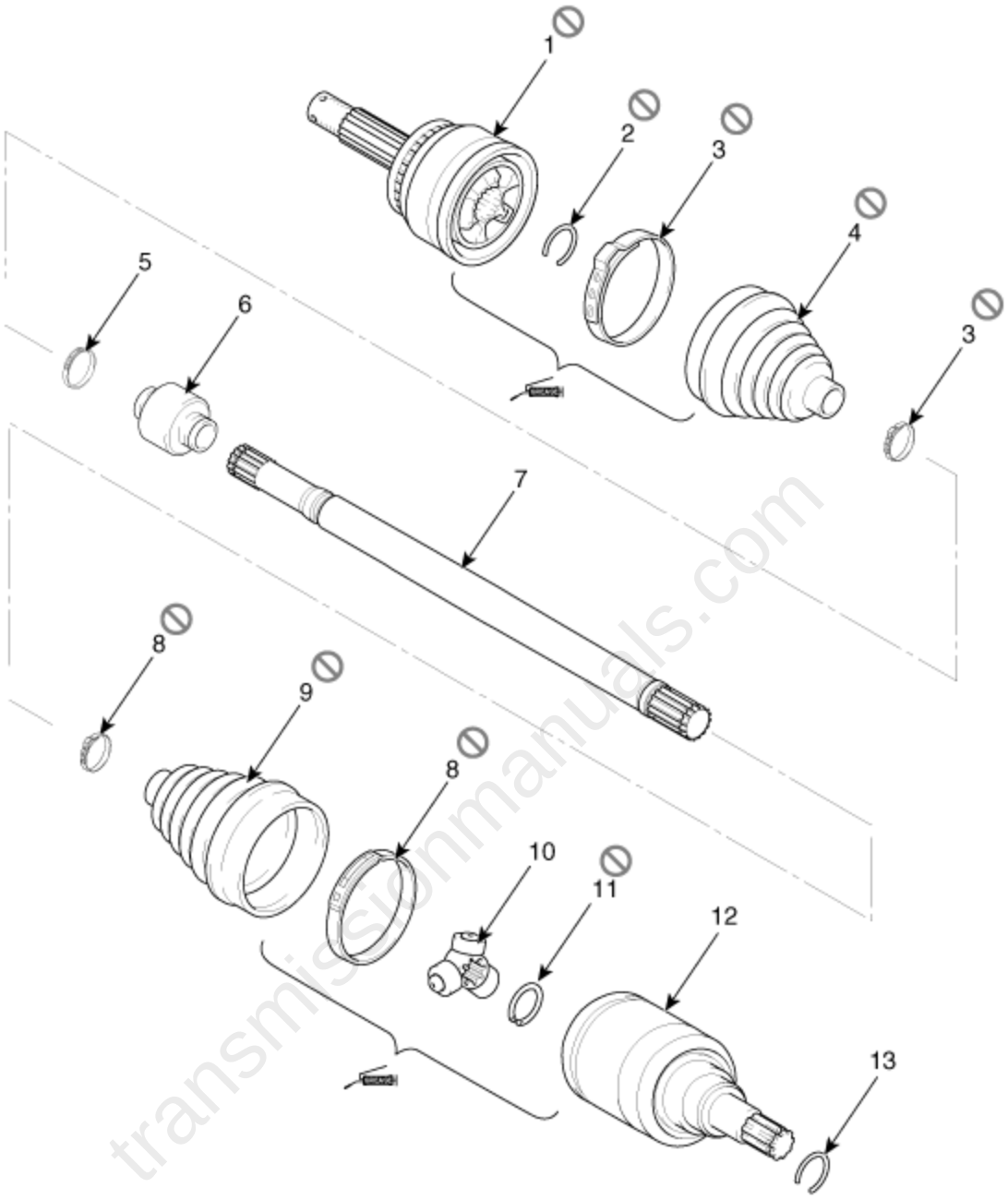
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1. Drive shaft (LH)
2. Inner shaft bearing brcket
3. Dynamic damper
4. Drive shaft (RH)

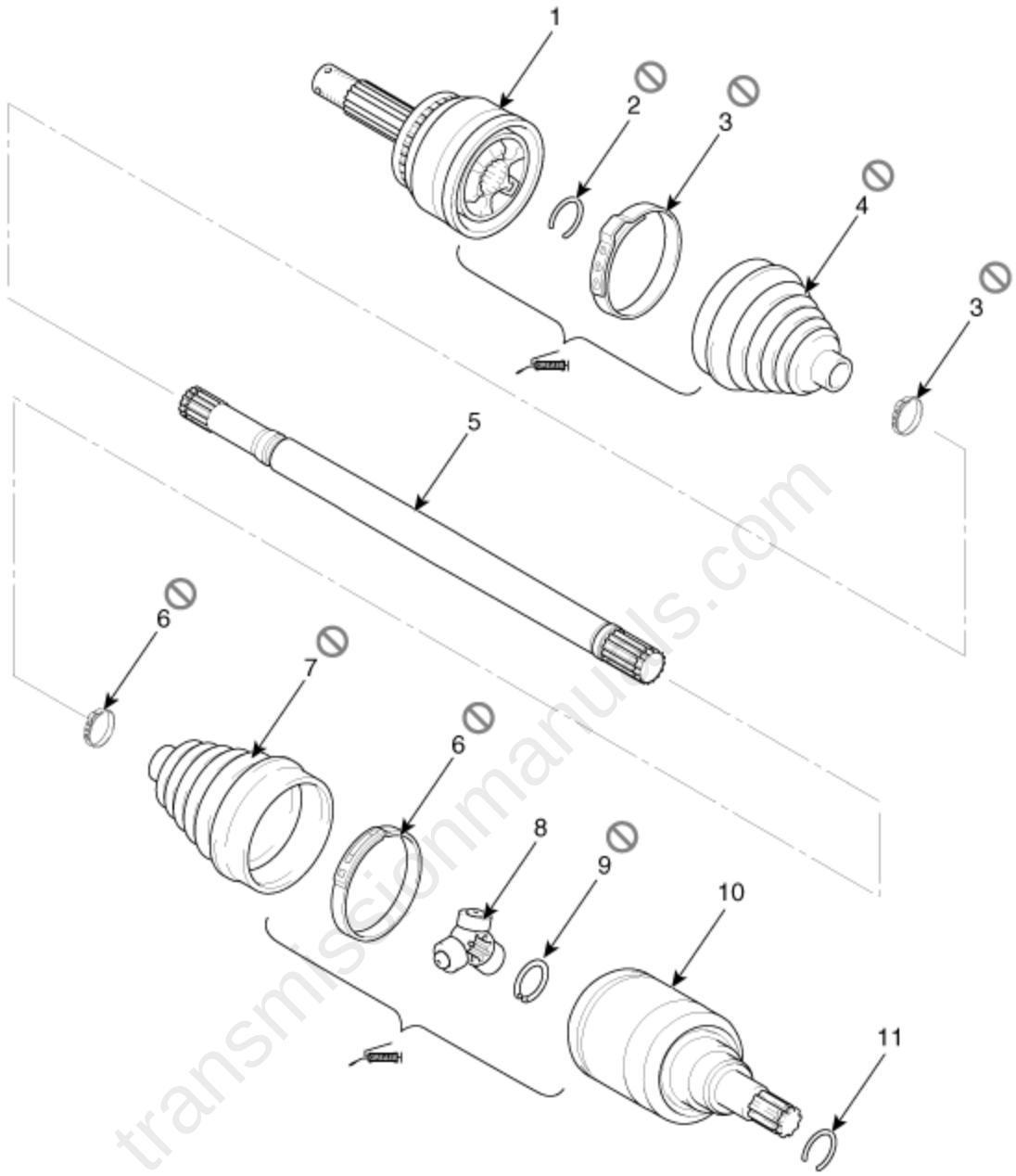
[RH]



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1. BJ assembly
2. Clip
3. BJ boot band
4. BJ boot
5. Dynamic damper band
6. Dynamic damper
7. Shaft
8. TJ boot band
9. TJ boot
10. Spider assembly
11. Circlip
12. TJ housing
13. Circlip

[LH]



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1. BJ assembly
2. BJ circlip
3. BJ boot band
4. BJ boot
5. Shaft
6. TJ boot band
7. TJ boot
8. Spider assembly
9. Snap ring
10. TJ case
11. Circlip

Repair procedures

Removal and Installation

Drive shaft

1.
Remove the front wheel and tire (A).

Tightening torque:

107.9 - 127.5 N·m (11.0 - 13.0 kgf·m, 79.6 - 94.0 lb·ft)



NOTICE

Be careful not to damage to the hub bolts when removing the front wheel and tire.

2.
Disconnect the tie rod end ball joint from the knuckle by using the SST (09568-1S100).

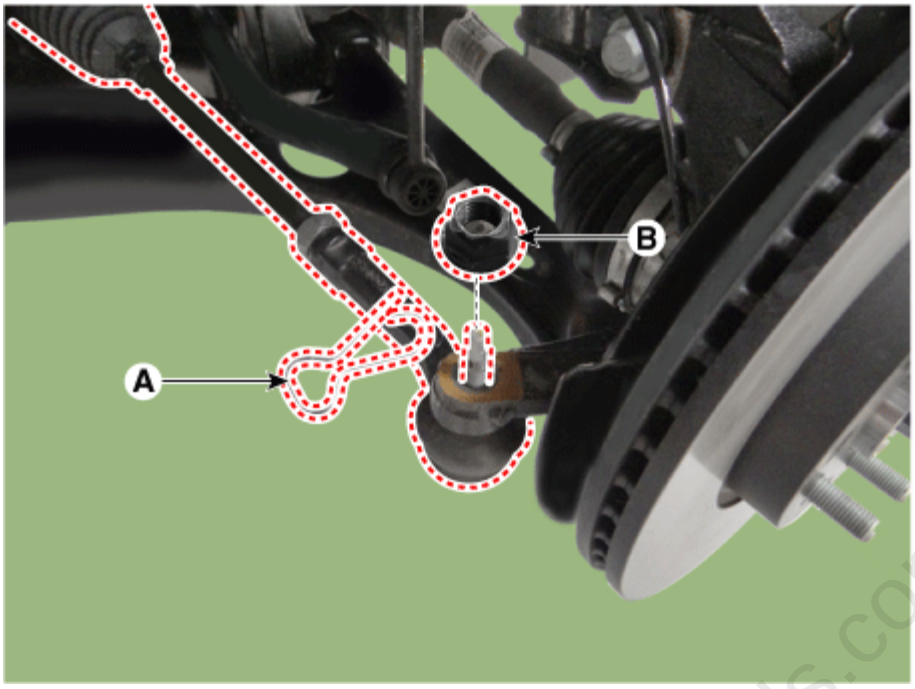
(1)
Remove the split pin (A).

(2)
Remove the castle nut (B).

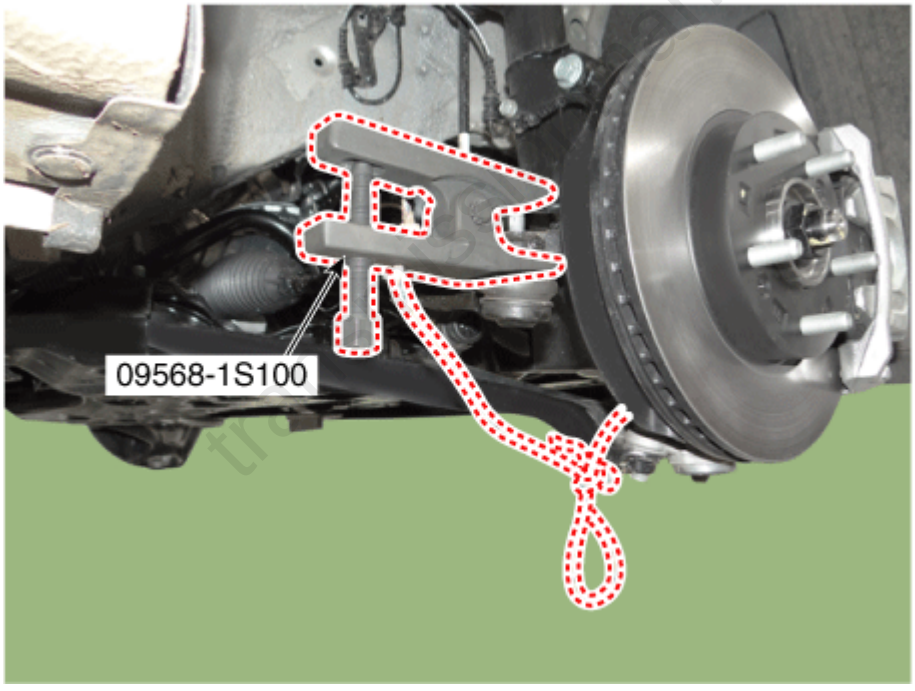
Tightening torque:

34.3 - 44.1 N·m (3.5 - 4.5 kgf·m, 25.3 - 32.5 lb·ft)

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(3)
Disconnect the tie rod end ball joint from the knuckle by using the SST (09568-1S100).

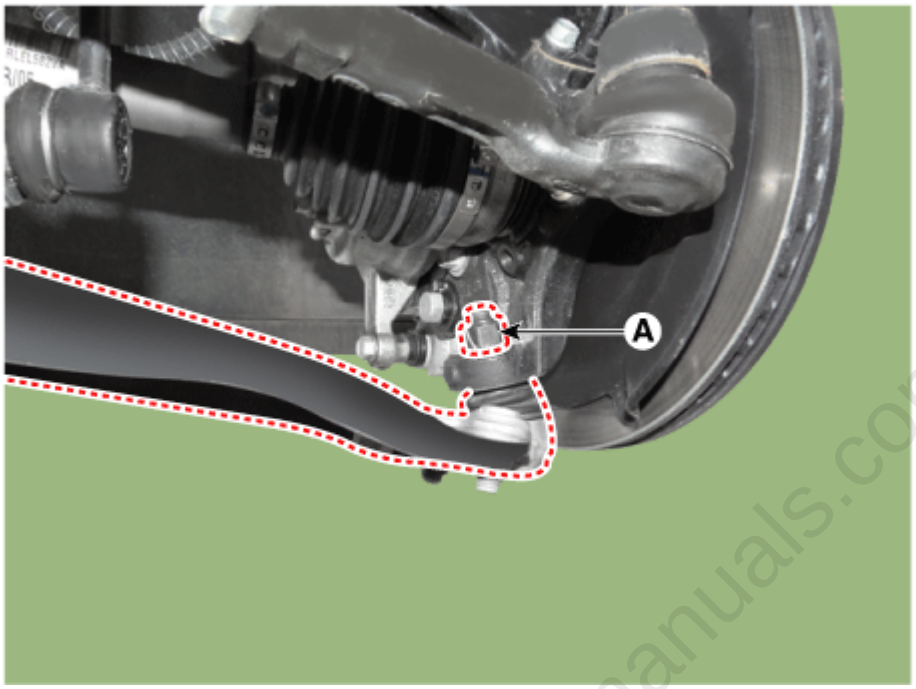


3.
Disconnect the lower arm from the knuckle by using the SST (09568-1S100).

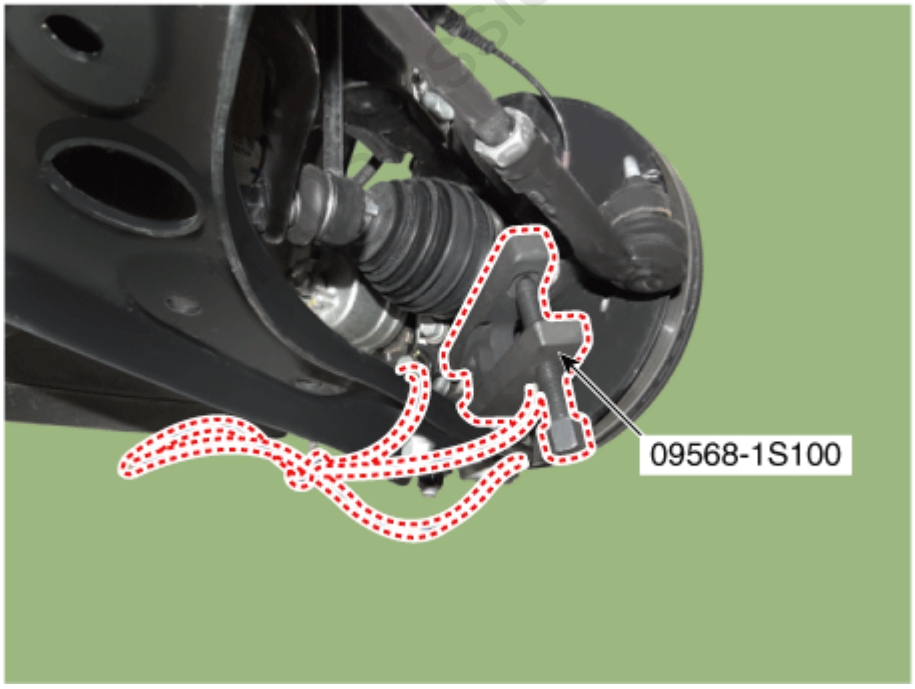
(1)
Remove the lower arm nut (A).

Tightening torque:

58.8 - 70.6 N·m (6.0 - 7.2 kgf·m, 43.4 - 52.1 lb·ft)



(2)
Disconnect the lower arm from the knuckle by using the SST (09568-1S100).



NOTICE

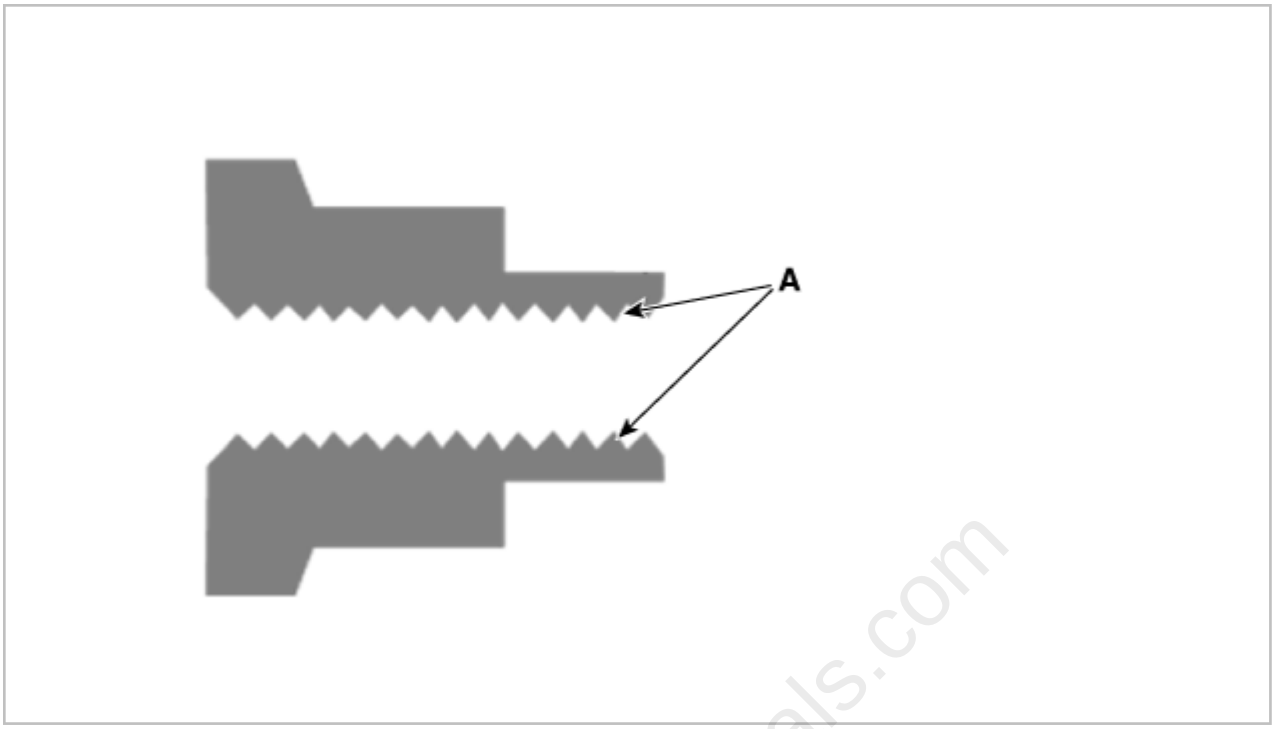
- When using SST, be sure not to damage the dust cover of lower arm ball joint.
- Keep SST tied to the car because there is a risk of injury by dropping the SST during removing the lower arm ball joint.
- The peripheral parts may be damaged when removing the lower arm ball joint with a general tool such as lever, so be sure to use SST.

4. By hammering on a chisel, unlock the driveshaft lock hub nut caulking.



NOTICE

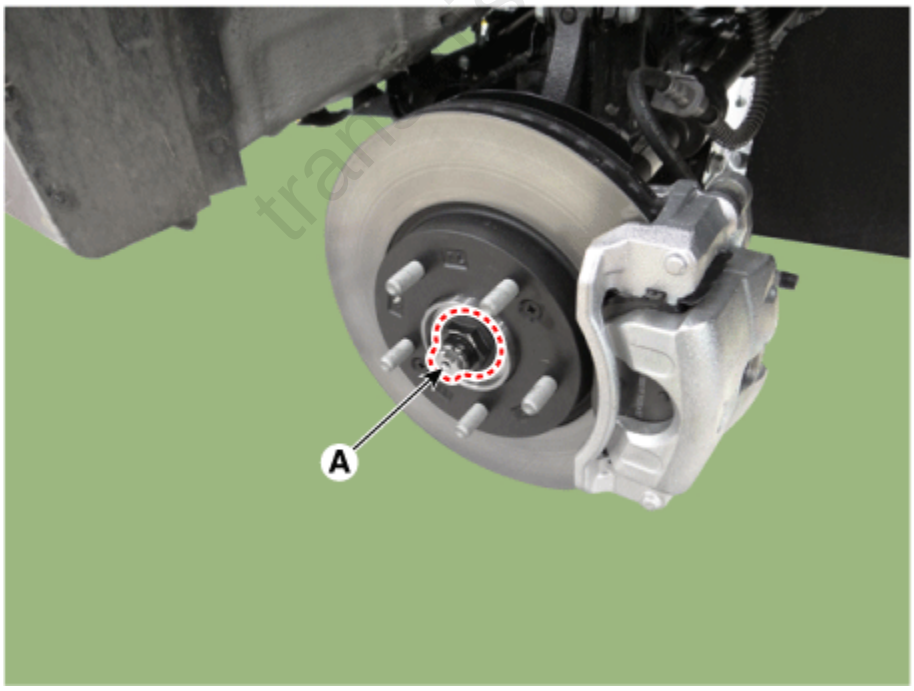
If there is screw thread (A) on the end of the nut, unlock the caulking by using a chisel and then loosen the nut to prevent damaging driveshaft screw thread.



5. Remove the caulking nut (A) from the front axle.

   Tightening torque:

   274.6 - 294.2 N·m (28.0 - 30.0 kgf·m, 202.5 - 217.0 lb·ft)

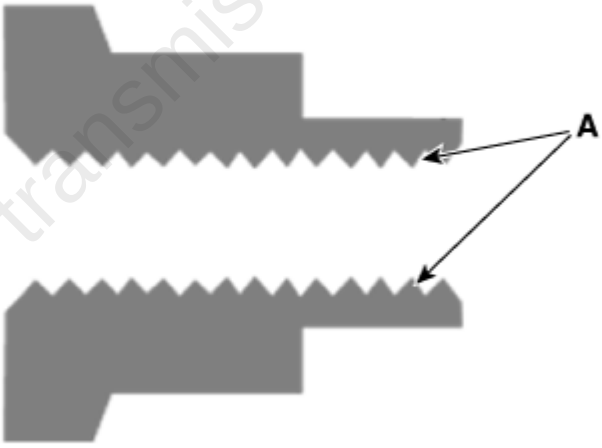


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NOTICE

- The driveshaft lock nut must be replaced with new one. When replacing the drive lock hub nut, use only the nut with screw thread (A) on the end.



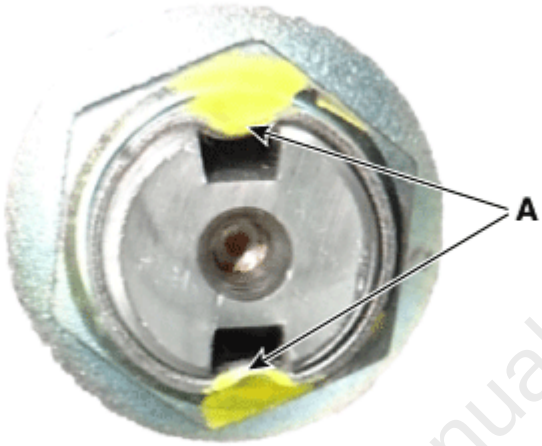


- Tighten the driveshaft lock hub nut to the specified tightening torque, and caulk by using a chisel and hammer.

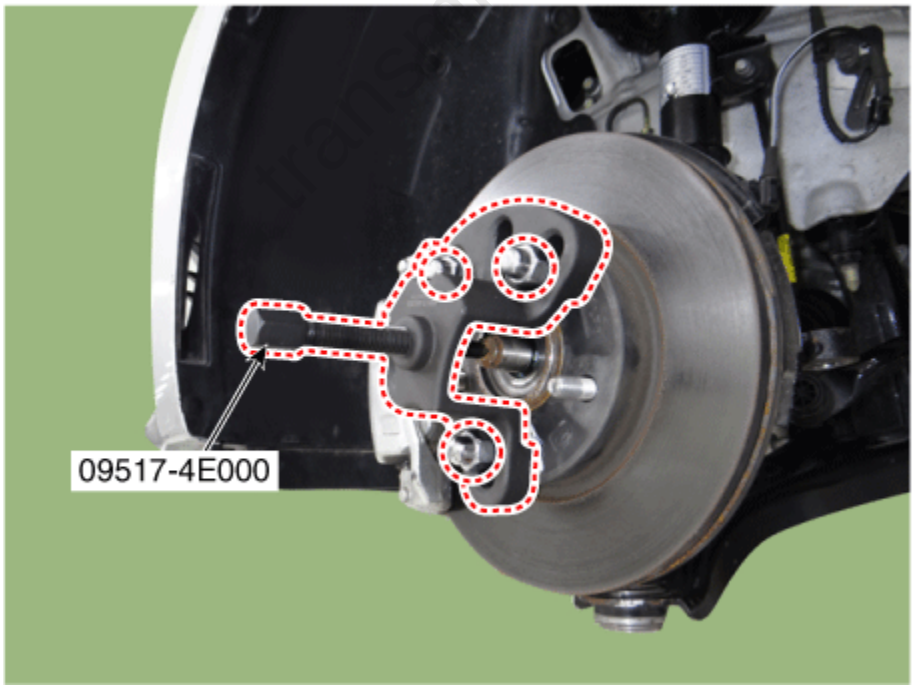
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- If there are two key seats, perform on all two seats.

  Caulking depth (A) : 1.5 mm (0.0591 in)



6. Using a SST (09517-4E000), disconnect the driveshaft from the axle hub.



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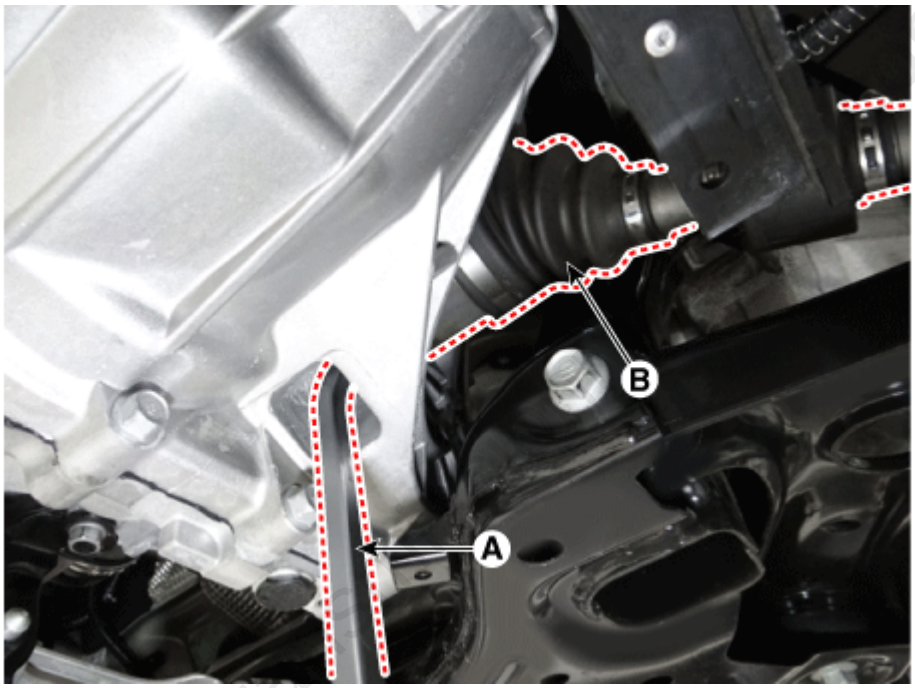
NOTICE

Do not pull or twist excessively to remove the axle when the drive shaft is disassembled.

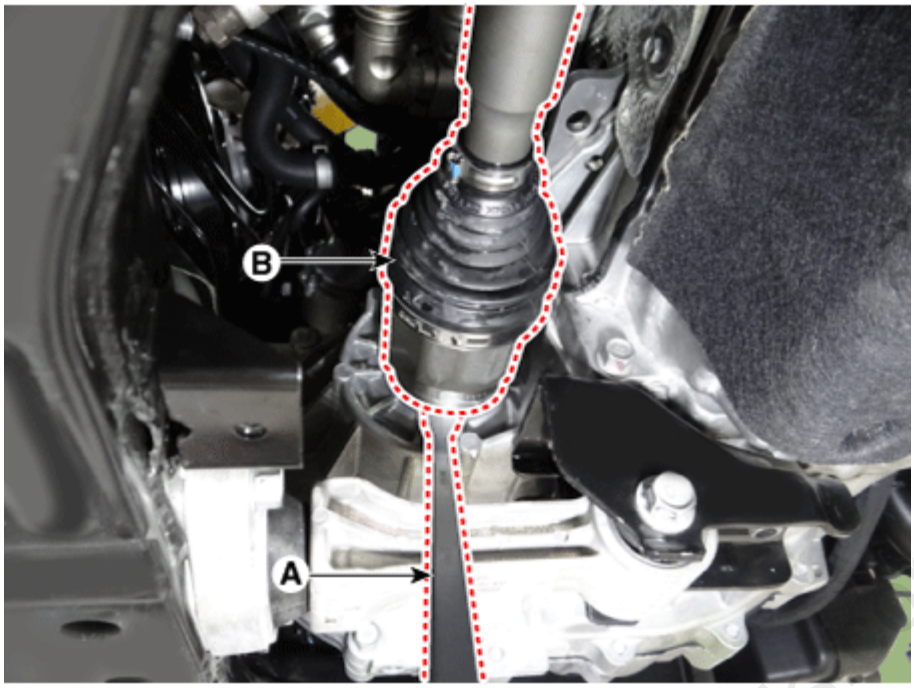
7. Remove the drive shaft.

(1) Insert a pry bar (A) between the transaxle case and joint case, and separate the drive shaft (B) from the transaxle case.

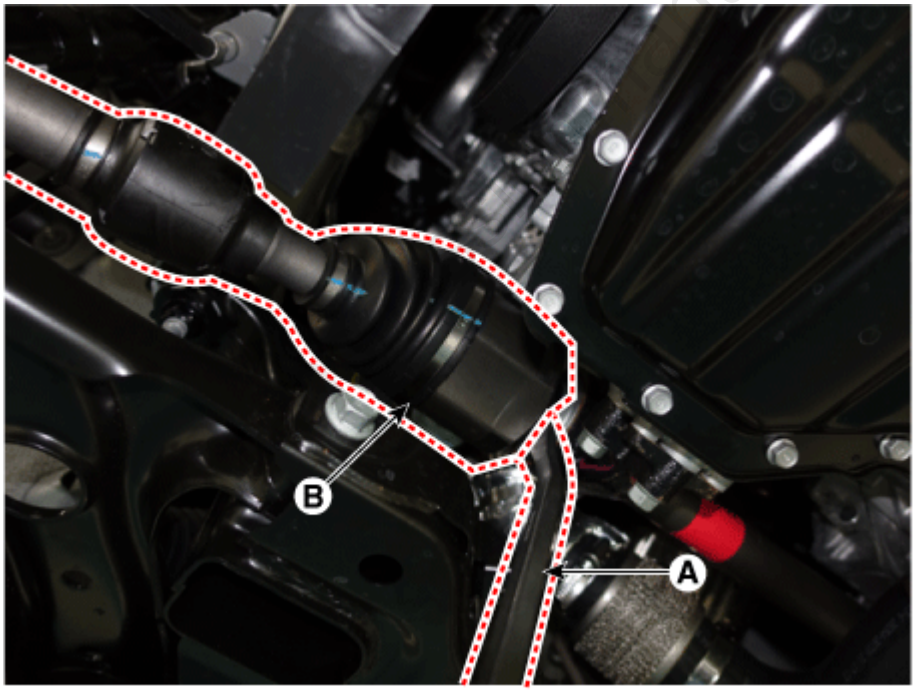
[LH]



[RH - Gamma 1.6 MPI, Nu 2.0 MPI, New U 1.6 TCI]

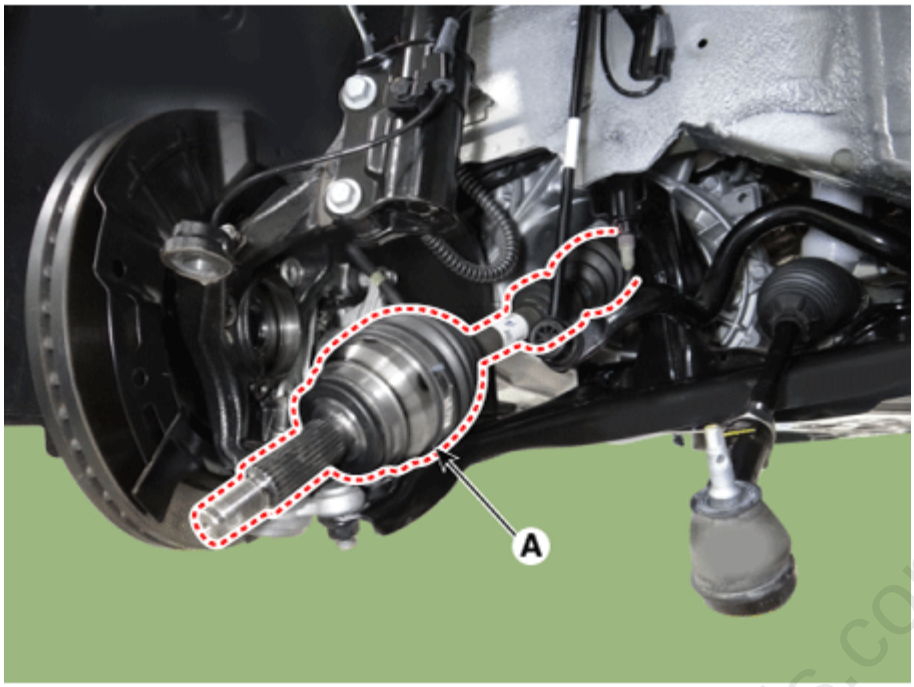


[RH - Gamma 1.6 T-GDI]

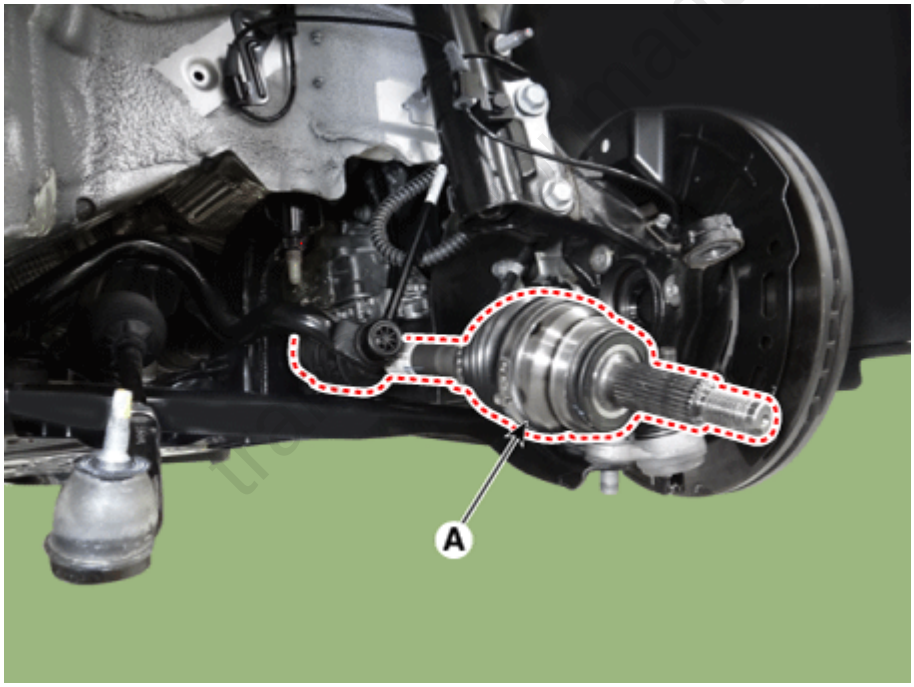


(2)
Remove the drive shaft (A).

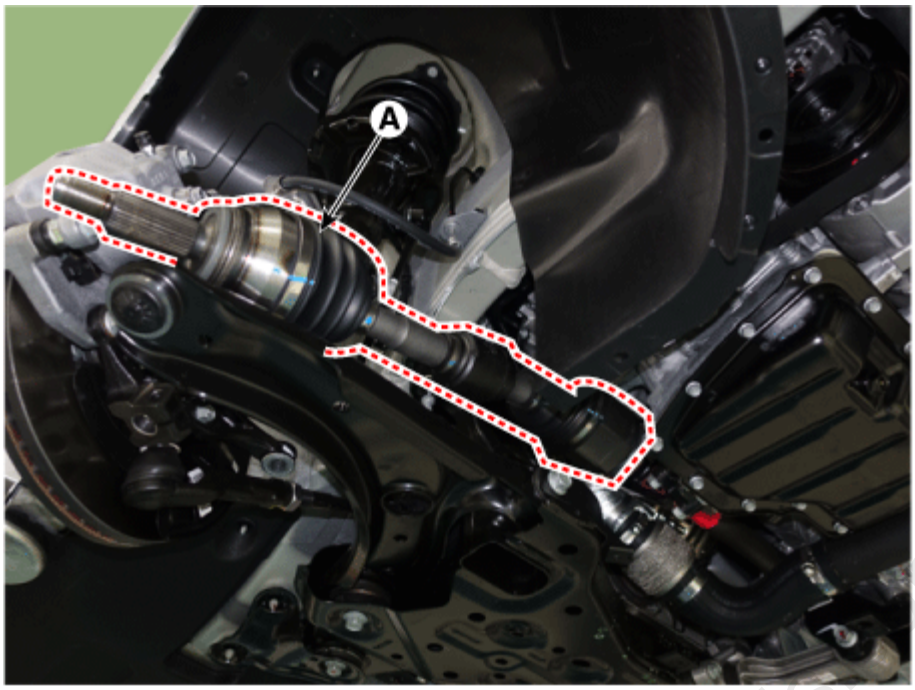
[LH]



[RH - Gamma 1.6 MPI, Nu 2.0 MPI, New U 1.6 TCI]



[RH - Gamma 1.6 T-GDI]



NOTICE

- When using the pry bar, be careful not to damage the transaxle and joint.
- Do not insert the pry bar too deep, as this may damage the oil seal.
- Do not pull the driveshaft by excessive force as it may cause components inside the joint kit to dislodge resulting in a torn boot or a damaged bearing.
- Plug the hole of the transaxle case with the oil seal cap to prevent contamination.
- Support the driveshaft properly.
- Replace the retainer ring whenever the driveshaft is removed from the transaxle case.
- Be careful not to damage the stabilizer link boots and ball joint boots.

8. Install in the reverse order of removal.

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9. Check the front alignment.

   (Refer to Suspension System - "Front Alignment")

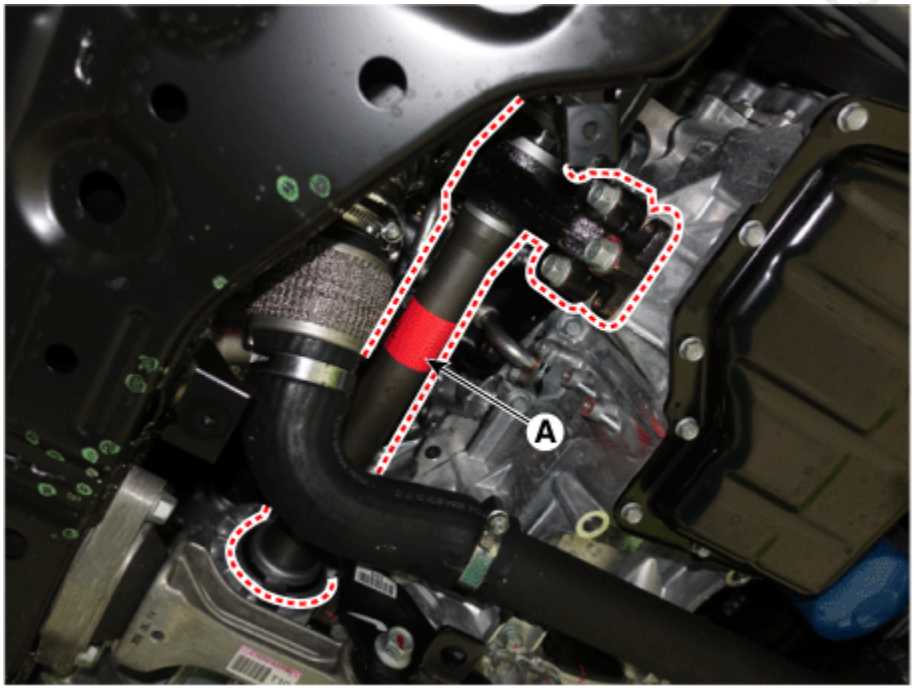
Bearing Bracket & Shaft Assembly

1. Remove the front drive shaft.

2. Remove the bearing bracket & shaft assembly (A).

   Tightening torque :

   39.2 - 63.7 N·m (4.0 - 6.5 kgf·m, 28.9 - 47.0 lb·ft)



3. Install in the reverse order of removal.

4. Check the front alignment.

   (Refer to Suspension System - "Front Alignment")

Driveshaft Assembly
...

TJ Joint
Components and components location Components [RH] 1. BJ assembly 2. Clip 3. BJ boot band 4. BJ boot 5. Dynamic damper band 6. Dynami ...

Other information:

Kia Forte 2019-2023 (BD) Owners Manual: Electronic stability control (ESC)

The Electronic Stability control (ESC) system is designed to stabilize the vehicle during cornering maneuvers. ESC checks where you are steering and where the vehicle is actually going. ESC applies the brakes on individual wheels and intervenes with the engine management system to ...

Kia Forte 2019-2023 (BD) Owners Manual: BCW (Blind-Spot Collision Warning) / LCA (Lane Change Assist)

Operating conditions The indicator on the switch will illuminate when the BCW (Blind-Spot Collision Warning) system switch is pressed with the ignition switch ON. If the vehicle speed exceeds 30 km/h (20 mph), the system will activate. If you press the switch again, the switch indica ...

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