	GROUP <b>CHA</b>	MODEL <b>2014-2017MY Forte (YD)</b> <b>2017MY Forte (YDm)</b>
	NUMBER <b>081</b>	DATE <b>January 2018</b>
<b>TECHNICAL SERVICE BULLETIN</b>		
<b>SUBJECT: STEERING GEAR YOKE PLUG AND ASSEMBLY REPLACEMENT</b>		

This bulletin provides the procedure to replace the steering gear box yoke plug and assembly on some 2014-2017MY Forte (YD), produced from February 18, 2013 through November 15, 2016, and some 2017MY Forte (YDm) vehicles, produced from May 15, 2016 through February 9, 2017, which may exhibit a ticking noise while turning the steering wheel with the vehicle stopped or a rattle noise while driving. This condition is caused by a worn lining on the steering gear box yoke assembly. Follow the procedure outlined in this bulletin to replace the steering gear box yoke plug and assembly with updated parts.



Steering Gear Yoke Plug and Assembly

File Under: <Chassis>

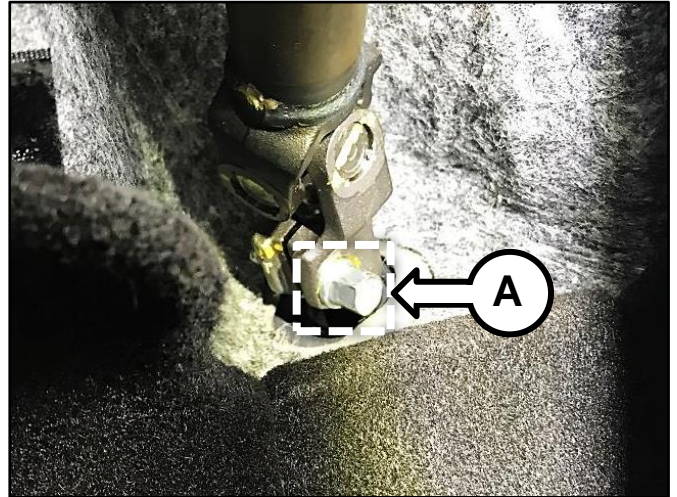
---

Circulate To:    ☒ General Manager    ☒ Service Manager    ☒ Parts Manager  
☒ Service Advisors    ☒ Technicians    ☒ Body Shop Manager    ☒ Fleet Repair

**Replacement Procedure:**

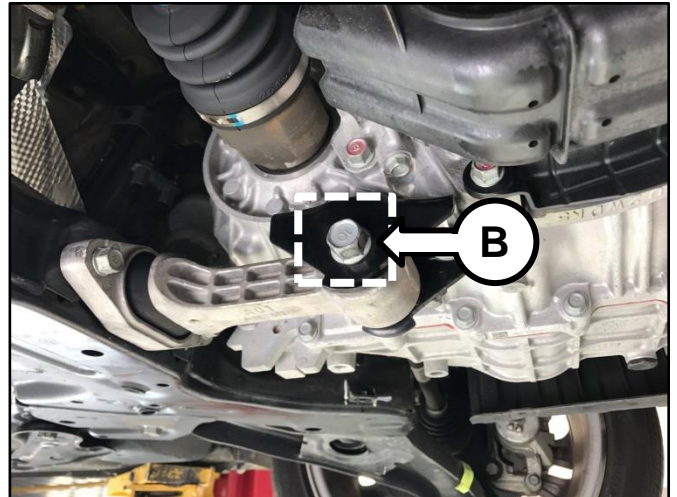
1. With the vehicle in the lowered position on a vehicle lift, remove the joint retaining bolt (A) and detach the universal joint assembly from the pinion of the steering gear box.

**Tightening torque for bolt (A) :**  
 23.9 – 27.5 lb.ft (32.4 – 37.3 N.m,  
 3.3 – 3.8 kgf.m)



2. Raise the vehicle on the vehicle lift then detach the roll rod stopper retaining bolt (B).

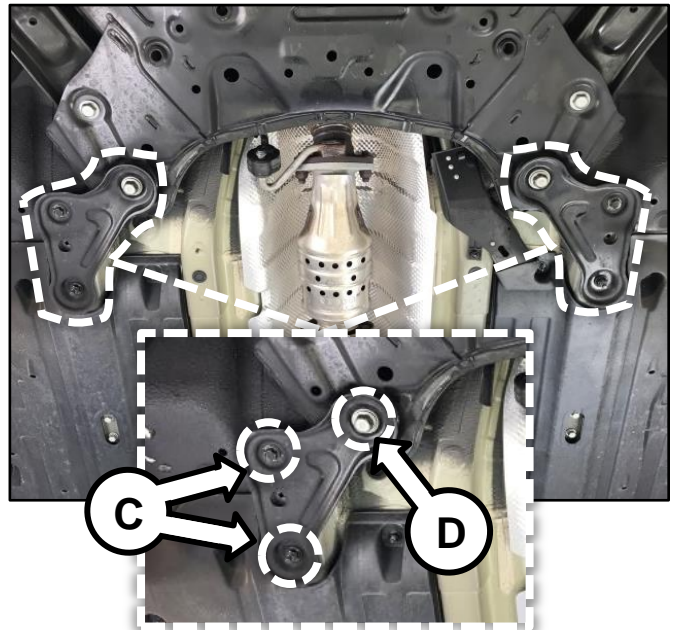
**Tightening torque for bolt (B):**  
 79.6 – 94 lb.ft (107.9 – 127.5 N.m,  
 11.0 – 13.0 kgf.m)



3. Remove the two (2) mounting bolts (C) and one (1) lower control arm mounting bolt (D) on each side and remove the two (2) subframe stays.

**Tightening torque for bolts (C):**  
 32.5 – 39.8 lb.ft (44.1 – 53.9 N.m,  
 4.5 – 5.5 kgf.m)

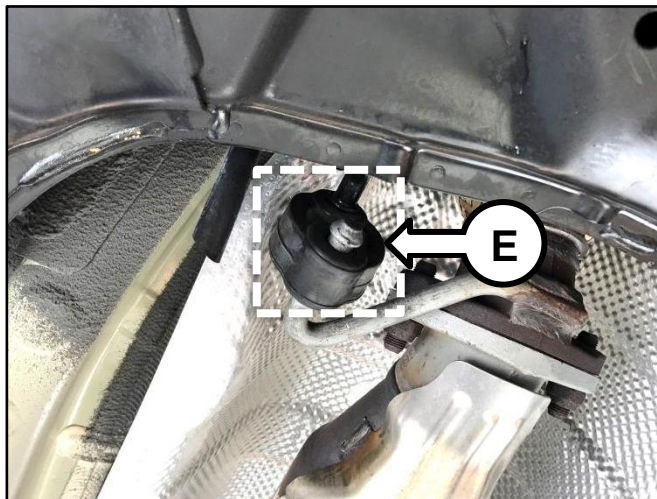
**Tightening torque for bolts (D):**  
 115.7 – 130.2 lb.ft (156.9 – 176.5 N.m,  
 16.0 – 18.0 kgf.m)



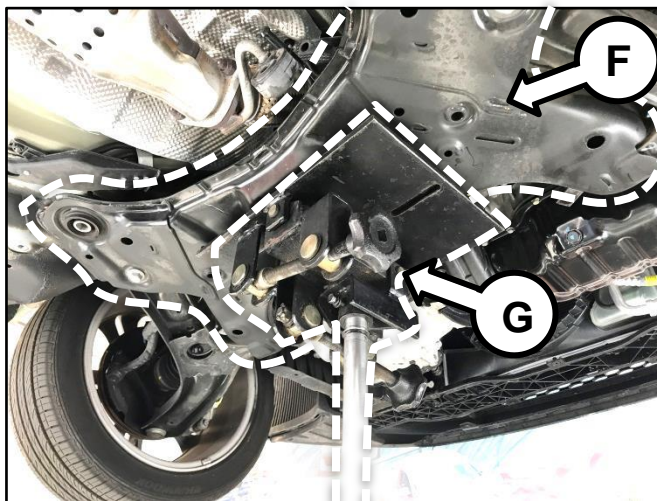
## SUBJECT:

## STEERING GEAR YOKE PLUG AND ASSEMBLY REPLACEMENT

4. Detach the exhaust pipe hanger (E) from the subframe.

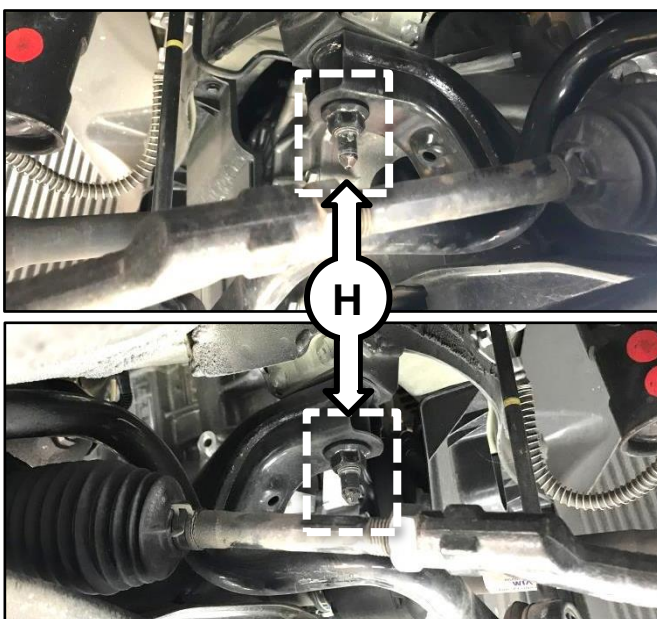


5. Support the subframe (F) with a suitable powertrain lift (G).



6. Remove the two (2) subframe retaining nuts (H) and carefully lower the subframe enough (8-12 inches) to allow for removal of the steering gear box heatshield and partial detachment of the front stabilizer bar.

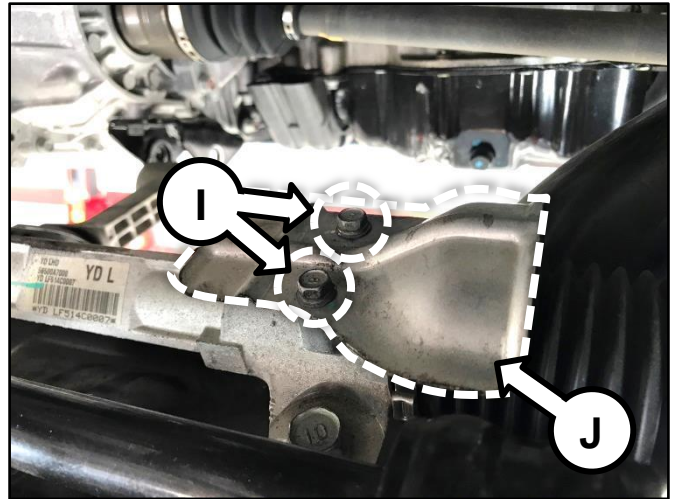
**Tightening torque for nuts (H):**  
 115.7 – 130.2 lb.ft (156.9 – 176.5 N.m,  
 16.0– 18.0 kgf.m)





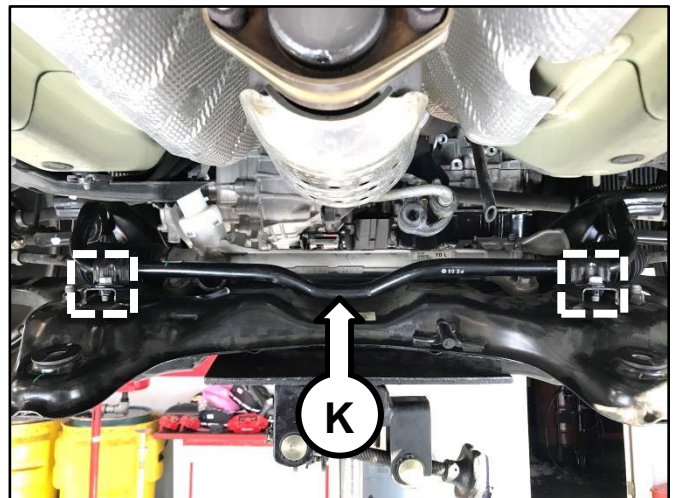
7. Remove the two (2) retaining bolts (I) and remove the steering gear box heat shield (J).

**Tightening torque for bolts (I):**  
 61.2 – 96 lb.in (6.9 – 10.8 N.m,  
 0.7 – 1.1 kgf.m)



8. Remove the one (1) sway bar retaining nut and one (1) retaining bolt on each side and swivel the sway bar (K) upwards. Use a block of wood or something similar to support the sway bar in the upward position.

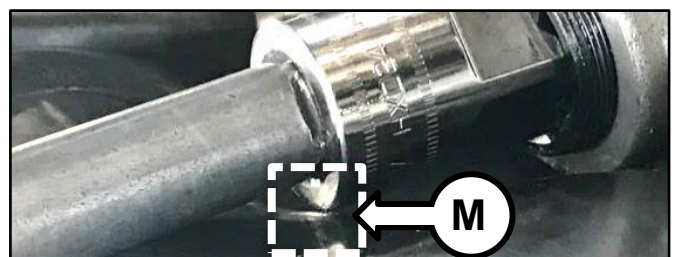
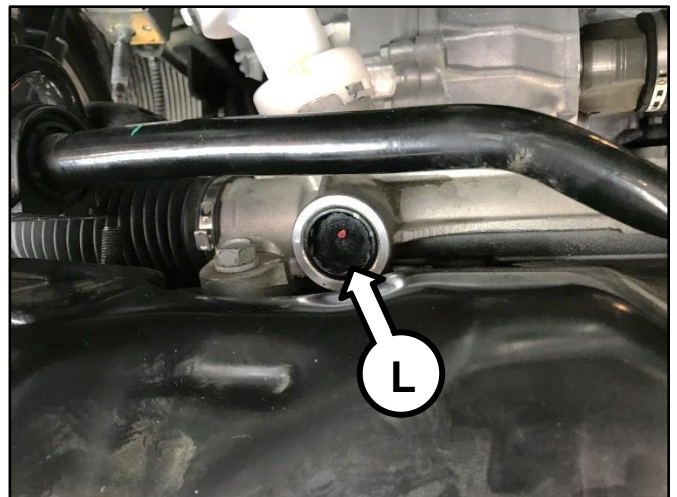
**Tightening torque for nut and bolt:**  
 32.5 – 39.8 lb.ft (44.1 – 53.9 N.m,  
 4.5 – 5.5 kgf.m)



9. Using the provided 24mm hexagon bit socket, remove and discard the yoke plug (L).

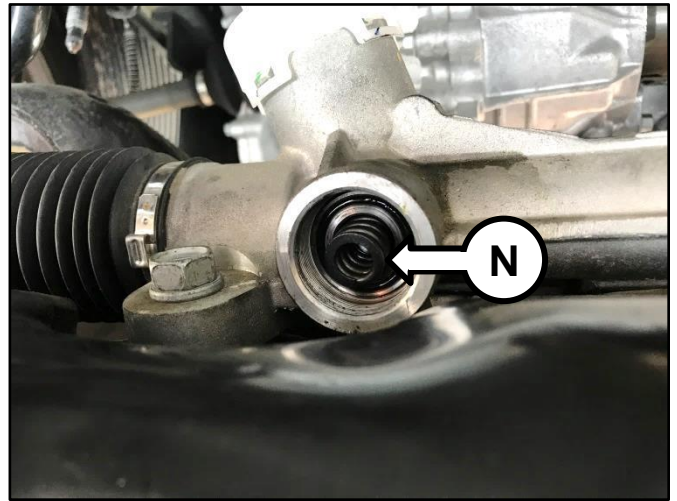
### ★ NOTICE

When loosening the plug, ensure the 24mm socket is straight and flush with the plug at all times. Forcibly loosening the plug with the socket at an angle and rubbing on the subframe as shown (M) may damage the housing threads. Continue to loosen the plug by hand.

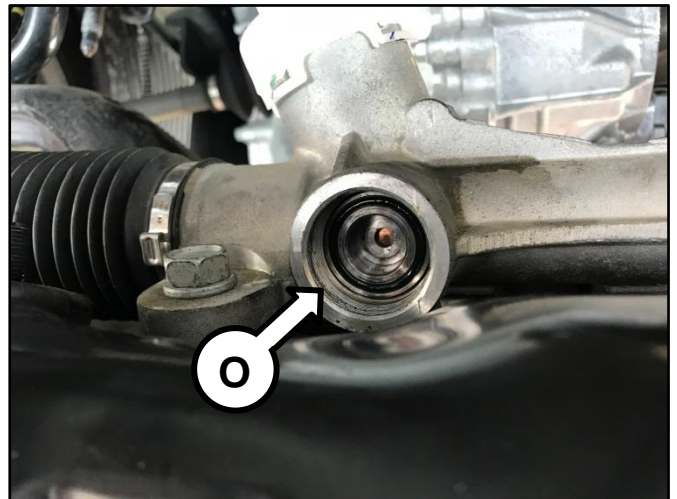


**SUBJECT: STEERING GEAR YOKE PLUG AND ASSEMBLY REPLACEMENT**

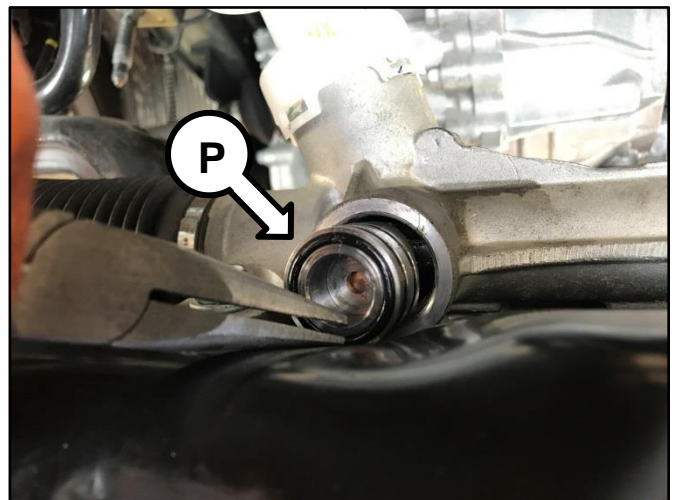
10. Remove the yoke spring (N) and set aside for reinstallation.



11. Clean the threads (O) of the yoke housing with a clean cloth and brake cleaner. Use compressed air to ensure the assembly surface is dry and free of debris.

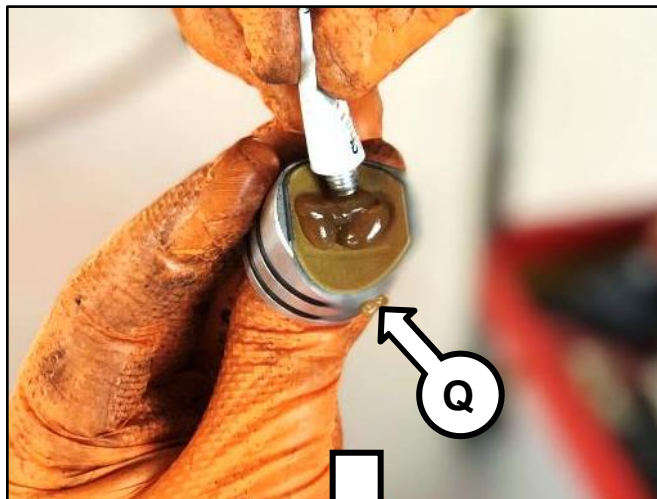


12. Remove the yoke assembly (P) and discard.

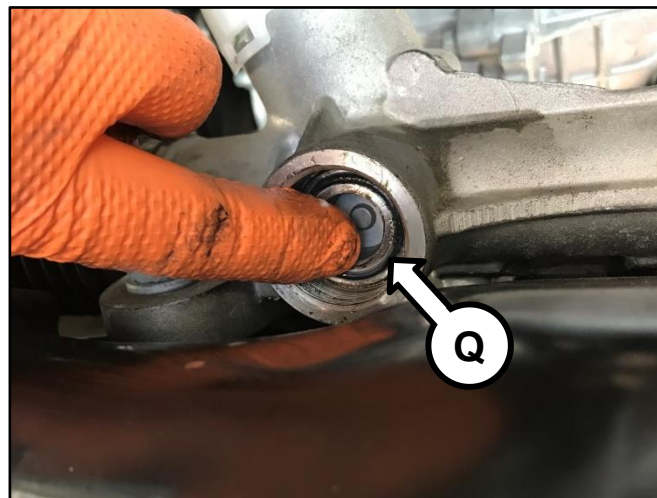


SUBJECT: STEERING GEAR YOKE PLUG AND ASSEMBLY REPLACEMENT

13. Apply lubricant to the bottom and on the O-rings of the new improved yoke assembly (Q).



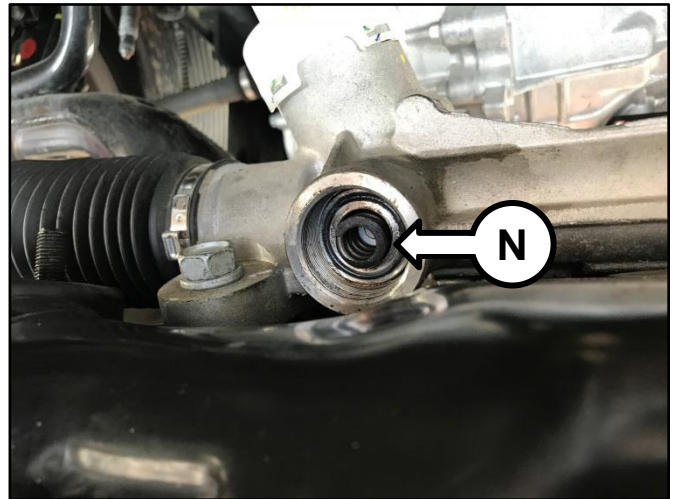
14. Install the improved yoke body (Q) into the yoke housing.



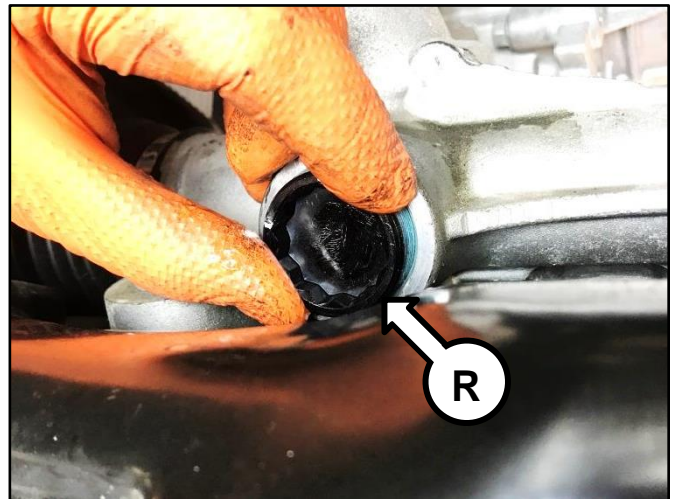


**SUBJECT: STEERING GEAR YOKE PLUG AND ASSEMBLY REPLACEMENT**

15. Reinstall the yoke spring (N) removed in step 10 of this procedure.



16. Partially install the new yoke plug (R) by hand to prevent cross-threading of the plug and housing threads.

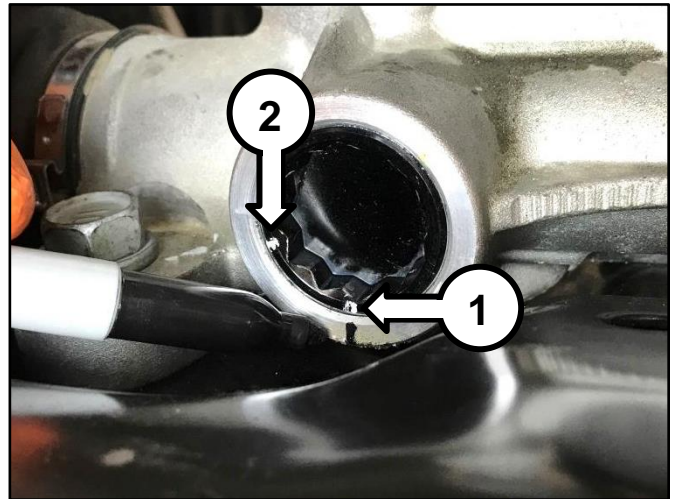


17. Tighten and torque the yoke plug (R) to specifications.

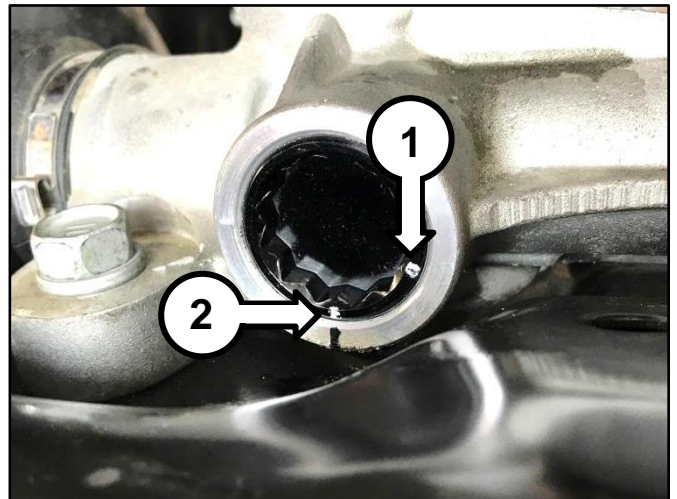
**Tightening torque for plug (R):  
36.2 lb.ft (49.0 N.m, 5.0 kgf.m)**



18. With a marker, mark a line on the housing in line with groove 1 (white mark #1) of the plug.



19. Loosen the plug approximately 5/8 of an inch and align the mark on the housing with groove 2 (white mark #2) of the plug.




20. Reinstall all removed components in the reverse order of removal.



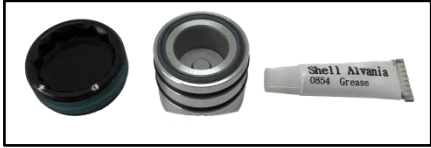
**SUBJECT: STEERING GEAR YOKE PLUG AND ASSEMBLY REPLACEMENT****AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Forte (YD)	February 18, 2013 through November 15, 2016
Forte (YDm)	May 15, 2016 through February 9, 2017

**REQUIRED TOOL:**

Tool Name	Tool Number	Figure	Comments
24mm External Hex Socket	HXD24		For order or replacement, contact Snap-on Business Solutions at (888) 542-1011

**REQUIRED PART:**

Part Name	Part Number	Figure
Steering Gear Support Yoke Kit	56570 3X000FFF	

**WARRANTY INFORMATION:****N Code: Q57 C Code: ZZ5**

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	56500 A7000	0	Steering Gear Yoke Plug and Assembly Replacement	56570F01	1.0 M/H	56570 3X000FFF	1