



GROUP
CHA

MODEL
2014MY
Forte (YD)

NUMBER
082

DATE
December 2017

TECHNICAL SERVICE BULLETIN

SUBJECT: FRONT WHEEL HUB BEARING AND
CASTLE NUTS REPLACEMENT

This bulletin provides the procedure to replace the front wheel hub bearing and both front castle nuts on some 2014MY Forte (YD) vehicles, produced from February 18, 2013 through February 5, 2014, which may experience abnormal noise from the front wheel hub bearing area while driving. Follow the procedure outlined in this bulletin to replace the affected front wheel hub bearing and both front castle nuts with improved parts. The improved castle nut collar is thicker and threaded at the staking section.



Front Wheel Hub Bearing



Castle Nuts



WARNING

Do not reuse wheel hub castle nuts during reassembly. Always replace with new parts to maintain the proper locking feature of the design. Failing to do so may result in unintended loosening and/or loss of the fasteners, which in turn could lead to the loss of an assembly's integrity.

Always use the appropriate tools (e.g., torque wrench) and follow the tightening specifications for the fastener.

Refer to TSB GEN085 for additional information.

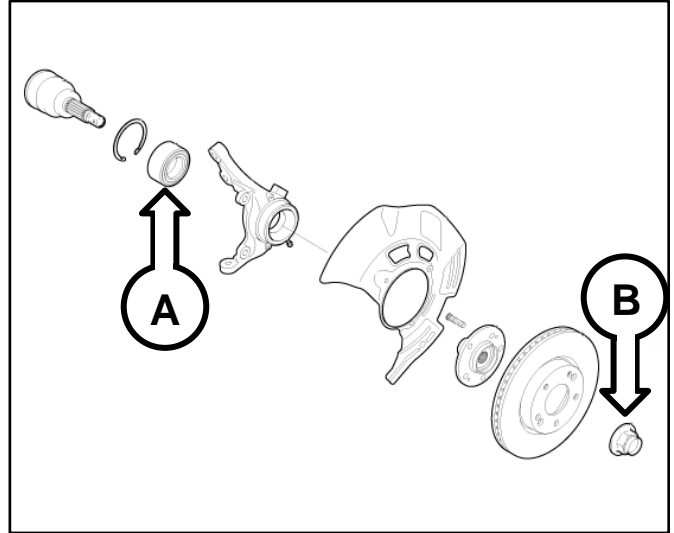
File Under: <Chassis>

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

Service Procedure:

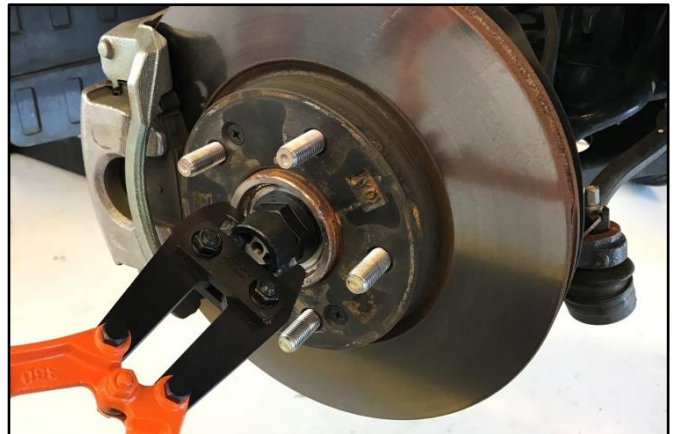
1. Replace the affected front wheel hub bearing (A) and both front castle nuts* (B) with the improved parts by referring to the “Driveshaft and axle → Front Axle Assembly → Front Hub / Knuckle → Repair procedures” chapter in the applicable Shop Manual on KGIS.

*Ensure both front castle nuts are replaced, even if the wheel hub bearing is not affected. See below for new tightening torque for nut.

**Tightening torque for nut:**

**202.5 – 217.0 lb.ft (274.6 – 294.2 N.m,
28.0 – 30.0 kgf.m)**

2. Using the Hub Nut Stake Tool (1K495 B2100QQK), stake the new castle nuts. Be sure to stake the nuts into the driveshaft keyway to ensure proper staking and to prevent the castle nuts from coming loose.



3. Reinstall the front wheels and torque the wheel lugs to specifications.

Tightening torque (wheels):


**65.1 – 79.6 lb.ft (88.3-107.9 N.m,
9.0 – 11.0 kgf.m)**

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AFFECTED VEHICLE RANGE:

| Model | Production Date Range |
|------------|--|
| Forte (YD) | February 18, 2013 through February 5, 2014 |

REQUIRED TOOL:

| Tool Name | Tool Number | Figure | Comments |
|-----------------------|-------------------|--|--|
| Castle Nut Stake Tool | 1K495 B2100QQK |  | Auto-shipped to Dealers for SC144. For replacements, contact Snap-On Business Solutions at (888) 542-1011 |

REQUIRED PART:

| Part Name | Part Number | Figure | Qty. | Remarks |
|---------------------------|-------------------|--|------|--|
| Bearing – Front Wheel Hub | 51720 0Q000FFF |  | 1 | - |
| Nut – Castle | 49551 3X000FFF |  | 2 | Improved castle nut collar is thicker and threaded at the staking section. |

WARRANTY INFORMATION:

N Code: Q85 C Code: ZZ3

| Claim Type | Causal P/N | Qty. | Repair Description | Labor Op Code | Op Time | Replacement P/N | Qty. |
|------------|-------------|------|---|---------------|------------|-----------------|------|
| W | 51720 0Q000 | 0 | Front Wheel Hub Bearing (one side) & Castle Nuts (both sides) Replacement | 51720F08 | 1.4 M/H | 51720 0Q000FFF | 1 |
| | | | | | | 49551 3X000FFF | 2 |