



GROUP  
Trans

MODEL  
2010 Forte (TD)  
w/6-speed M/T


NUMBER  
026

DATE  
October 2009

## TECHNICAL SERVICE BULLETIN

**SUBJECT:** SERVICE ACTION: DRIVESHAFT HOUSING AND TRANSAXLE OIL SEAL INSPECTION AND REPLACEMENT (SA011)

This Service Action provides information related to 2010 Forte (TD) produced from 2/23/2009 ~ 8/12/2009 equipped with 6-speed manual transaxles. Some 2010 Forte vehicles may have interference with the inner tri-pod housing contacting with the axle seal cage. This bulletin describes the procedure for replacing the inner tri-pod housing on both left and right side axle shafts. Follow these instructions as some left and right hand replacement components are different and angles

<b>Part Name</b>	Drive Shaft Housing & Oil Seal Kit
<b>Part No.</b>	49592 1M24MQQK
<b>Components</b>	 <ol style="list-style-type: none"> <li>1. Inner Tri-pod Housing (Left side - Larger radius, Right - smaller radius)</li> <li>2. Spring Clips: (2)</li> <li>3. Band Clamps: (2) (Left side - Larger radius, Right - smaller radius)</li> <li>4. Oil seal: 2 (Left side - Black, Right side - Black)</li> <li>5. Axle Nuts: 2</li> <li>6. Grease 50g: 25g per side (Not shown)</li> </ol>
<b>Remark</b>	<ul style="list-style-type: none"> <li>• Radius of left side drive shaft housing and band clamp is larger than the Right side.</li> <li>• LH and RH oil seals differ. They are identified by marks on them and by color.</li> </ul>

### \*NOTICE

**Parts required to complete this Service Action will be automatically shipped to your dealership with stock orders during the week of October 19th.** This automatic shipment will include all of the parts required to repair **100% of your dealership's affected stock vehicles.** Therefore, there is **NO INITIAL NEED FOR PARTS ORDERS OF ADDITIONAL INVENTORY.**

Upon receipt of parts, please start performing the repairs immediately on any affected 2010 Forte vehicles currently in your inventory to ensure completion prior to selling the vehicle to a retail customer.

**File Under: Transmission**

**Circulate To:**       General Manager     Service Manager     Parts Manager  
 Service Advisor(s)  Technician(s)       Body Shop Manager     Fleet Repair

**SUBJECT:****SERVICE ACTION: DRIVESHAFT HOUSING AND TRANSAXLE OIL SEAL INSPECTION AND REPLACEMENT (SA011)**

16. Install the axle assembly with a quick push into the transaxle to seat the spring clip. Be careful not to damage the axle seal during installation of the axle shaft.



17. Insert the outer CV joint into hub/bearing and ensure correct spline alignment.
18. Tighten the following retainers as specified:
- Ball joint/shield bolts to 72~87 lbs. ft. (97~117 Nm).
  - Strut link retaining nut to 72~87 lbs. ft. (97~117 Nm).
  - Tie-rod end castle nut to 17~25 lbs. ft. (23~33 Nm) and install new cotter pin.
  - Axle nut to 144~202 lbs. ft. (195~273 Nm), stake nut when torque is complete.
19. Install the tire and wheel assembly and torque to 65~80 lbs. ft. (88~108 Nm).
20. Repeat this same procedure on the R/S axle assembly.
21. Check the fluid level in the transaxle, top-off any lost lubricant and road-test for proper operation.

**AFFECTED PRODUCTION RANGE:**

2010 Forte (TD) vehicles produced from 2/23/2009~8/12/2009.

**PARTS INFORMATION:**

Part Name	Part Number
Driveshaft Housing and Oil Seal Kit	49592 1M24MQQK

**WARRANTY CLAIM INFORMATION:**

Claim Type	Causal P/N	Qty.	Labor OP Code	Repair Description	Time	Related Parts	Qty.	N Code	C Code
V	49501 1M210	0	090039R0	(SA011 – Transaxle oil seal replace)	1.2	49592 1M24MQQK	1	N94	C61

**\*NOTICE**

VIN Inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA011** when accessing their Dealer Communications System (DCS).