



# HYUNDAI Technical Service Bulletin

Group	CHASSIS
Number	06-50-009
Date	AUGUST, 2006
Model	SONATA, AZERA

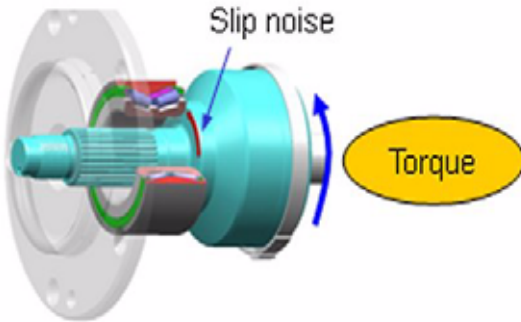
Subject  
**FRONT HUB AND DRIVESHAFT ISOLATION WASHER  
 INSTALLATION PROCEDURE**

<b>CIRCULATE TO:</b>	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY MGR	<input type="checkbox"/> SALES MANAGER

**DESCRIPTION:**

This bulletin provides a procedure to insert a washer between the front hub and driveshaft.

- Symptom/Condition:  
 A "snap" noise caused by surface contact between the front hub and driveshaft may be heard when some SONATA (NF) or AZERA (TG) vehicles are driven forward after being driven in reverse.
- Cause:  
 Slip along the contact surface between the front hub and the driveshaft.



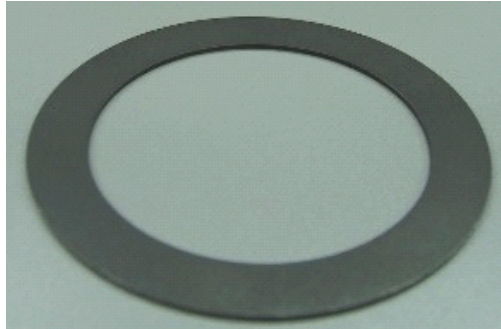
- Service Procedure: Insert the isolation washer between the front hub and driveshaft.

**NOTE: Do not use this procedure to service or repair other sources of noise.**

**VEHICLES AFFECTED:**

- Model: SONATA(NF), AZERA(TG)
- Affected vehicle production date range: From start of production

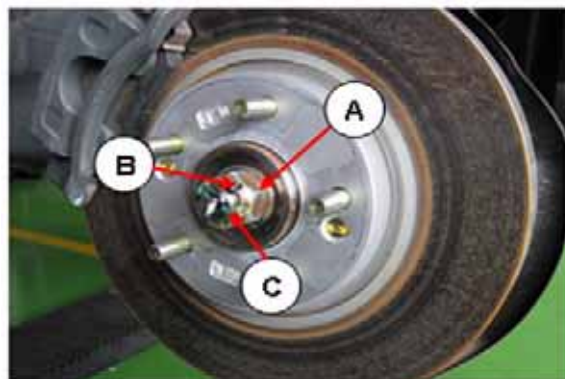
**PARTS REQUIRED:**

PART NAME	PART NUMBER	FIGURE
Washer	49599-3L000	

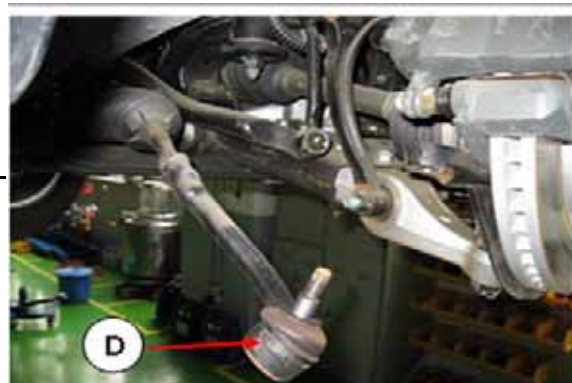
1. Lift the vehicle off the ground and remove a front wheel and tire assembly.

2. Remove the split pin (B) from the front hub (C) and remove the driveshaft castle nut (A).

Driveshaft castle nut torque: 20~28kgf-m(148~207lb-ft)

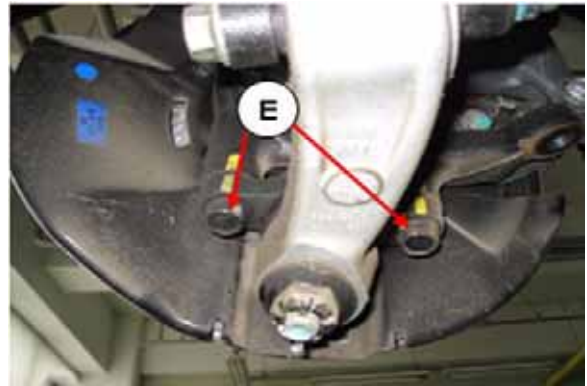


3. Remove the split pin and the nut holding the tie rod end (D) to the knuckle. Using the special tool (09568-4A000), disengage the tie rod end (D) from the knuckle. Tie rod end to knuckle nut torque: 2.4~3.4kgf-m (18~25lb-ft)



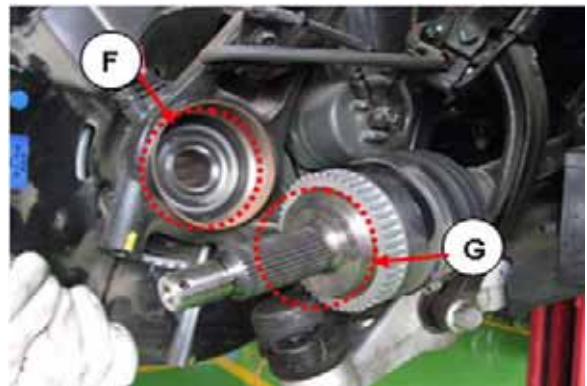


4. Remove the 2 bolts (E) and disengage the lower arm ball joint from the knuckle.  
Lower arm ball joint to knuckle nut torque: 10~12kgf-m (74~88lb-ft)



5. Disengage the driveshaft from the front hub using a plastic hammer.

6. Remove any foreign material from the contact surface between the front hub (F) and the driveshaft (G) and then wipe it gently with a clean cloth.



7. Clean the isolation washer and apply grease to 2 points on one surface of the washer as shown in the photo.  
**[NOTE] Be careful not to apply an excessive amount of grease. The grease is used to prevent the washer from moving freely during installation of the driveshaft to the front hub.**



8. Center the washer on the front hub with its greased surface facing the front hub and apply it to the front hub.

**[NOTE] The washer can be applied to the driveshaft as well as the front hub.**

9. Repeat steps 1 through 8 on the other side and install all the removed parts in reverse order of removal.

**[NOTE] When installing the driveshaft to the front hub, be careful not to allow the washer to move.**



### WARRANTY INFORMATION:

OP CODE	OPERATION	OP TIME	CAUSAL P/N	NATURE	CAUSE
51720F00	INSERTION OF WASHER BETWEEN FRONT HUB AND DRIVESHAFT(LH/RH)	0.7M/H	49599-3L000	*N29	**C24

\* N29: Abnormal noise

\*\*C24: Improper clearance