SUBJECT: Steering Column Dash Seal Squeak/Rubbing Sound

OVERVIEW:
This bulletin involves verifying the squeak/rubbing is originating from the lower steering column shaft seal, inspecting the seal and either cleaning and lubricating the seal and collar or cleaning the collar and replacing the seal.

MODELS:
2005 - 2007 LX 300C/Magnum/Charger
2006 - 2007 LE 300C/300C Touring Edition
2007 L2 300C (China)

NOTE: This bulletin applies to left hand drive (LHD) vehicles only.

SYMPTOM/CONDITION:
The vehicle operator may experience a squeak/rubbing sound originating from the lower steering shaft dash seal. The sound may be due to a lack of lubricant.

DIAGNOSIS:
If the customer complains of a squeak/rubbing sound, verify that it is coming from the lower dash seal. If so:

1. Remove the 2 push pins from the lower hush panel below the steering column
2. Remove hush panel to gain access to lower steering column seal
3. Pull the steering column seal down and inspect the white cup the seal rides on.
4. Does the white cup have black markings on white cup in the area shown in (Fig. 1) below?
**Fig. 1 BLACK MARKING ON WHITE CUP**

1 - STEERING COLUMN DASH SEAL  
2 - WHITE CUP (AREA OF BLACK MARKINGS)

- a. No >>> Perform Repair Procedure A  
  - b. Yes >>> Perform Repair Procedure B

### PARTS REQUIRED:

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(AR) 1</td>
<td>05166448AA</td>
<td>Steering Boot</td>
</tr>
<tr>
<td>(AR) 1*</td>
<td>05170263AB</td>
<td>Steering Boot Kit</td>
</tr>
<tr>
<td>1</td>
<td>68028730AA</td>
<td>Grease - 2 oz. Tube</td>
</tr>
<tr>
<td>1</td>
<td>04897150AB</td>
<td>Mopar Brake Parts Cleaner - Non-Chlorinated 15 oz Can (1 can will service 25 vehicles)</td>
</tr>
<tr>
<td>1</td>
<td>06507656AA</td>
<td>Bolt, Forward Steering Column Mount, M8</td>
</tr>
<tr>
<td>1</td>
<td>06101695</td>
<td>Nut, Forward Steering Column Mount, M8</td>
</tr>
<tr>
<td>2</td>
<td>06508125AA</td>
<td>Bolts, Rearward Steering Column Mount, M8</td>
</tr>
</tbody>
</table>

**NOTE:** * P/N 05170263AB is a kit that contains an Instruction sheet. For the purpose of this bulletin, DISREGARD the Instruction sheet included in the kit and follow Repair Procedure “B” instructions only (if replacing boot).

**REPAIR PROCEDURE A - CLEAN AND LUBRICATE:**

1. While the seal is down, clean seal lip and white cup.  
2. Apply grease p/n 68028730AA to cup.

**CAUTION:** Do not use any other type of grease as it may adversely react to the seal material.
3. Slide the seal back in place.
4. Install hush panel and secure with push pins.
5. Repair is complete.

**REPAIR PROCEDURE B - REPLACE BOOT:**

**REMOVAL PROCEDURE:**
1. If equipped, position column in mid-tilt and telescoping wheel fully extended.
2. Position the front wheels straight ahead.
3. Disconnect and isolate the negative battery cable.

**NOTE:** Leave the trunk or liftgate open during repair.

4. Using 2” wide masking tape, secure steering wheel to column shroud to maintain clockspring orientation. Wheel should be in straight ahead position. See (Fig. 2)

![Fig. 2 TAPE AROUND STEERING WHEEL](image)

1. COLUMN SHROUD
2. STEERING WHEEL
3. MASKING TAPE TO MAINTAIN CLOCKSPRING ORIENTATION

5. Lift the vehicle on a suitable hoist.

**NOTE:** Mark the shafts with paint marker to assist when reassembling.

6. Disconnect the pinch bolt at the lower coupling shaft (Fig. 3).
7. Slide the steering shaft out of the lower coupling shaft.
8. Lower the vehicle.
9. Remove the left side instrument panel end cap (strip near door seal).
10. Remove the steering column opening cover under steering column.
11. Remove knee blocker.
12. Remove the lower steering column boot retaining nuts at bulkhead.
13. Using a trim stick C-4755 or equivalent, gently pry between the ignition switch bezel and the instrument cluster bezel to release the snap retainers that secure the switch bezel.
14. Using a trim stick C-4755 or equivalent, gently pry between the instrument panel and the cluster bezel to release the snap clip retainers that secure the cluster bezel.
15. Remove the cluster retaining screws.
16. Disconnect wiring and remove cluster from instrument panel.
17. Remove four column shroud (roll top) cover screws. Slide shroud up toward steering wheel (Fig. 4).
18. If equipped with electronic telescoping column, remove the screws mounting the brace to the steering column and support beam bracket (Fig. 5).
19. Remove the lower steering column mounting bolt and nut (Fig. 6).

![Fig. 6 BOLT AT LOWER PART OF COLUMN](image)

1 - RATCHET AND SOCKET  
2 - PIVOT BOLT  
3 - STEERING COLUMN ASSEMBLY

20. Remove the two upper mounting bolts from the steering column (Fig. 7).
**Fig. 7 UPPER COLUMN MOUNTING BOLTS**

1 - UPPER COLUMN MOUNTING BOLTS  
2 - STEERING COLUMN ASSEMBLY

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**CAUTION:** Care should be used not to pull wiring during the next step.

**CAUTION:** Do not break masking tape between steering wheel and column shroud.

21. Lower and slide steering column back and allow steering wheel to rest on seat. (Fig. 8)
22. Remove lower dash boot from steering shaft.
23. Using Mopar Brake Parts Cleaner p/n 04897150AB, clean both white cups where seals ride (Fig. 9).

24. Install new boot p/n 05166448AA on steering shaft.
INSTALLATION PROCEDURE:
1. Reverse the above Removal Procedure to install steering column with the following instructions and torque specifications:

CAUTION: All fasteners must be torqued to specification to ensure proper operation of the steering column.

NOTE: New bolts must be used for column mounting in steps Step #2 and Step #3 below.

2. Use new bolts for column upper mounting p/n 06507656AA. Torque the column upper mounting bolts to 30 N.m (22 ft. lbs.) Step #20.
3. Use new bolt and nut for column lower mounting p/n 06507656AA, (bolt) and p/n 06101695, (nut). Torque the lower column mounting bolt to 30 N.m (22 ft. lbs.) Step #19.
4. If equipped with electronic telescoping column, Install the screws fastening the brace to the steering column and support beam bracket. First, tighten mounting screw at the column to 29 N.m (21 ft. lbs.). Then, tighten mounting screw at the support beam to 12 N.m (106 in. lbs.) Step #18.
5. Verify noise is repaired and all areas related to the steering column function as designed.

POLICY:
Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

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<th>Labor Operation No:</th>
<th>Description</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>19-21-05-93</td>
<td>Steering Shaft Lower Boot, Clean and Lubricate (B)</td>
<td>0.3 Hrs.</td>
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<td>19-21-05-94</td>
<td>Steering Shaft Lower Boot, Remove and Replace (B)</td>
<td>1.0 Hrs.</td>
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FAILURE CODE:

| ZZ                  | Service Action                               |