



NUMBER: 23-039-05

GROUP: Body

DATE: August 24, 2005

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SUBJECT:

Lower Door Hinge - May Cause A Chirp, Squeak, or Groan-Like Sound

OVERVIEW:

This bulletin involves lubrication of the lower door hinge and/or the adjustment of the lower door hinge spring.

MODELS:

2006	(WK)	Grand Cherokee
2006	(XK)	Commander

NOTE: This bulletin applies to vehicles built prior to July 23, 2005 (MDH 0723XX).

SYMPTOM/CONDITION:

The customer may experience a groan or a chirp/squeak-like sound when opening or closing one or more driver or passenger side doors. This sound may originate from the lower door hinge. Depending on which sound is generated by the lower door hinge, the suspect hinge may require either lubrication (for groan) or it may require repositioning of the hinge spring (for chirp/squeak).

DIAGNOSIS:

1. If inspection determines that the lower hinge(s) on any of the four (4) doors causes only a **groan-like sound**, then perform **Procedure A** of the Repair Procedure.
2. If inspection determines that the lower hinge on one or both of the **front doors (only)** causes a **chirp/squeak-like sound**, then perform **Procedure B** of the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
AR	NPN	Touch Up Paint (to repair scratches made to hinge spring by pliers)
AR	04318066AB	Spray White Lube Lithium Grease Note: The Lithium Grease may be used for 10 hinges.

SPECIAL TOOLS/EQUIPMENT REQUIRED:

	Needle Nose Vise Grip Pliers
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REPAIR PROCEDURE:

Procedure A - Use To Correct Lower Hinge Groan-Like Sound - Any Door:

1. Lubricate the inside diameter of the detent cam roller and the axle that the roller rotates on. Use the spray can nozzle straw to concentrate and control the grease application.
2. Repeat the above grease application for the lower hinges of the three (3) remaining doors.

Procedure B - Use To Correct Lower Hinge Chirp/Squeak-Like Sound - Front Door Only:

1. Temporarily place a piece of cardboard or thick paper below the lower hinge to protect the paint on the A-pillar from being damaged during the repair procedure.
2. Attach vise grip pliers to the lower door hinge spring.
3. Rotate the hinge spring until the end of the spring is positioned correctly.
 - a. If the lower hinge is attached to the **LEFT FRONT DOOR**, then the hinge spring should be positioned so that its end is in the **UP** position.
 - b. If the lower hinge is attached to the **RIGHT FRONT DOOR**, then the hinge spring should be positioned so that its end is in the **DOWN** position.
4. Remove the pliers from the door hinge spring.
5. Using the appropriate touch up paint color, paint over any scratches made by the pliers to the hinge spring.
6. Lubricate the inside diameter of hinge cam roller and the cam roller axle.
7. Remove the temporary A-pillar paint shield.
8. Inspect the other front door lower hinge for a chirp/squeak-like sound. If the chirp/squeak-like sound is present, perform the above repair steps.
9. Lubricate the both rear door cam roller axles.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
23-40-20-90	Hinge, Door Lower - Lubricate Detent Cam Roller Axle - All Doors	0.2 Hrs.
23-40-20-91	Hinge, Door Lower - Adjust Spring and Lubricate Detent Cam Roller Axle - All Doors	0.2 Hrs.

FAILURE CODE:

68	Noisy
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