



NUMBER: 21-016-06 REV. A

GROUP: Transmission & Transaxle

DATE: November 15, 2006

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THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 21-016-06, DATED July 6, 2006, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE REVISED FIGURE 2 AND REPAIR PROCEDURE.**

SUBJECT:

Shifter Bezel Service

OVERVIEW:

This bulletin involves servicing the shifter bezel.

MODELS:

2005 - 2007	(WK)	Grand Cherokee
2005 - 2007	(WH)	Grand Cherokee (International Markets)
2006 - 2007	(XK)	Commander
2006 - 2007	(XH)	Commander (International Markets)

DISCUSSION:

The shifter assembly now has serviceable components.

NOTE: It is no longer necessary to replace the shifter as an assembly.

PARTS REQUIRED:

Qty.	Part No.	Description
AR (1)	68004143AC	Bezel, Shifter, with A580 Transmission and without Transfer Case Switch
AR (1)	68004144AC	Bezel, Shifter, with A580 Transmission and Transfer Case Switch
AR (1)	68004145AC	Bezel, Shifter, with 545RFE Transmission and without Transfer Case Switch
AR (1)	68004146AC	Bezel, Shifter, with 545RFE Transmission and Transfer Case Switch



Stick with the Specialists™

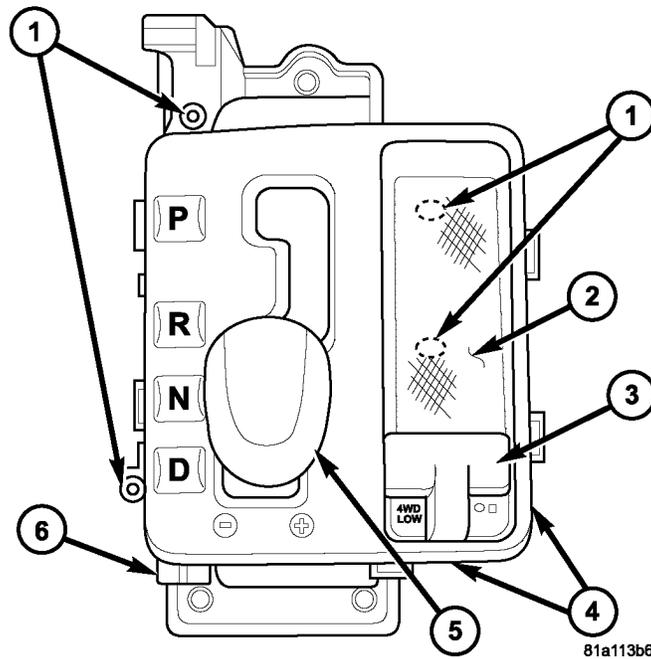
SPECIAL TOOLS/EQUIPMENT REQUIRED:

C-4755

Trim stick

REPAIR PROCEDURE:

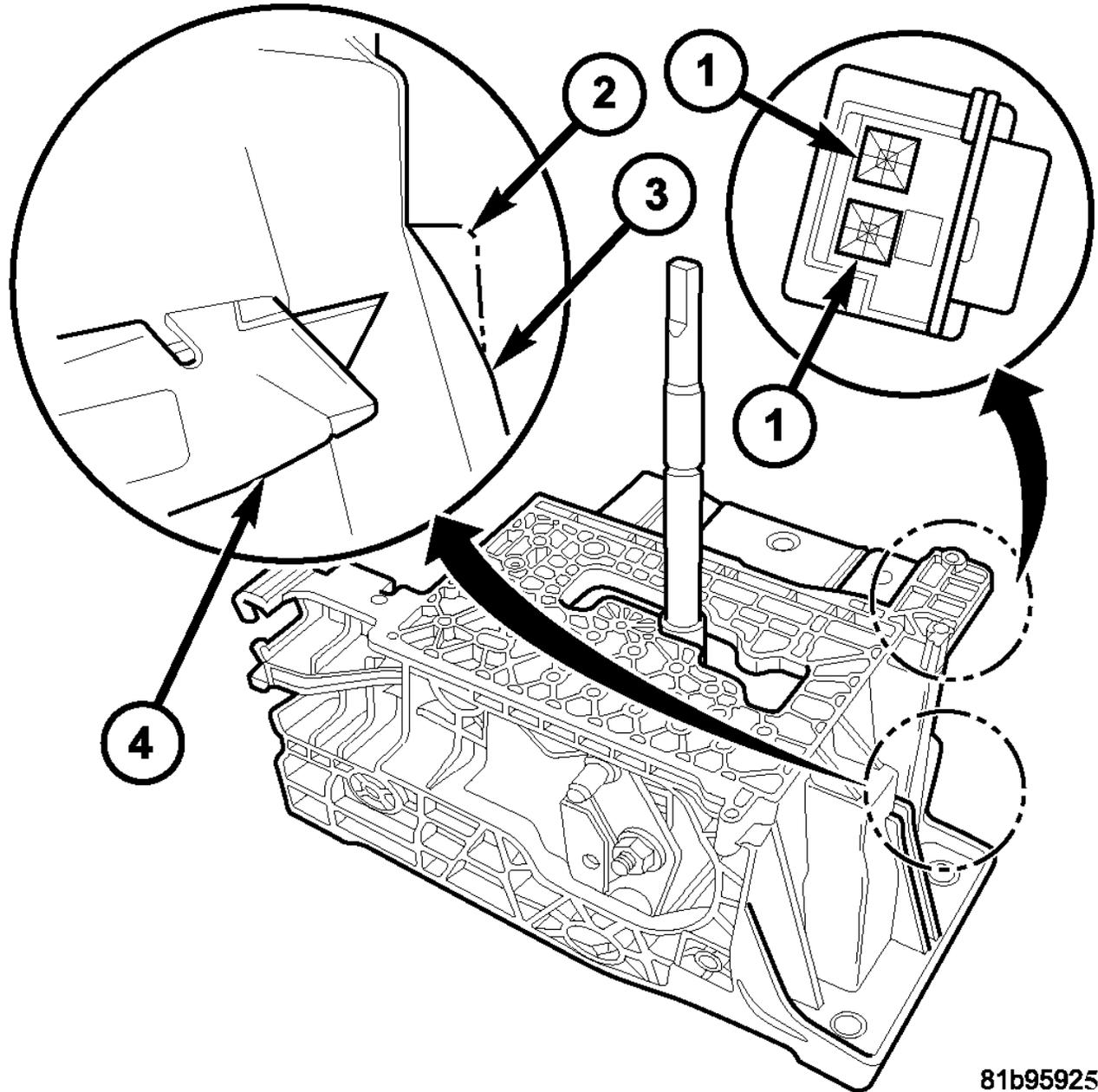
1. Apply parking brake.
2. Place shifter into "Neutral" position.
3. Remove center floor console using the procedures outlined in TechCONNECT 23 - Body>Interior>Floor Console>Removal.
4. Shifter Knob and Trim Mat Removal.
 - a. Turn lower chrome ring of shift knob counter clockwise 90°. Pull the knob and the chrome ring off from the lever.
 - b. Using trim stick C-4755 or equivalent, remove the trim mat, (Fig. 1). Use caution not to scratch the trim mat.

**Fig. 1 SHIFTER BEZEL**

- 1 - SHIFTER BEZEL SCREWS
- 2 - RUBBER MAT
- 3 - TRANSFER CASE SWITCH (IF EQUIPPED)
- 4 - TRANSFER CASE SWITCH SCREWS ON BOTTOM
- 5 - SHIFTER KNOB
- 6 - BEZEL WIRING CONNECTOR

5. Remove The Shifter Bezel.
 - a. Disconnect the shifter bezel wiring connector, (Fig. 1)
 - b. Use a TX20 torx bit remove the screws out of shifter bezel, (Fig. 1).
 - c. If equipped, remove the two bottom screws for Transfer Case (TC) switch using torx bit, and disconnect the TC wiring connector (Fig. 1).
 - d. Carefully lift the shifter bezel upwards. While lifting the shifter bezel upwards ensure the solenoid wiring connector remains in place as shown in (Fig. 2).

NOTE: Heat duct may need to be removed by pulling to the side to get access to the TC switch screws.



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Fig. 2 TRIM SLIDER GUIDE

- 1 - SOLENOID CONNECTOR **PINS**
- 2 - SLIDER GUIDE AREA REQUIRING REMOVAL
- 3 - SHAPE OF SLIDER GUIDE AFTER TRIMMING
- 4 - UTILITY KNIFE/BOX CUTTER

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- 6. Trim Slide Guides.
 - a. Locate slide guides at the rear of the shifter.
 - b. Use a box cutter knife or equivalent, to trim both the slider to a smooth transition to the base of the shifter housing as shown in (Fig. 2), if the slider guides have not been trimmed already.

NOTE: Ensure that the solenoid cable is not affected.

- 7. Shifter Bezel Installation.
 - a. ****Ensure the solenoid connector is seated in the shifter housing and make sure that the connector pins of the interface in the bezel and the wiring connector are both upright and aligned prior to shifter bezel installation as shown in (Fig. 2).****
 - b. Align the transportation tube onto the top of the shifter lever, lower the new shifter bezel onto the shift lever and discard the tube.
 - c. Position the shifter bezel on the shifter housing and connector and install the screws in the bin and at the housing. Torque the screws to 1.5 - 2.1 Nm (13.5 - 18.5 in. lbs.).
 - d. If equipped, install the TC switch with two screws from the bottom, torque the screws to 0.89 - 1.11 Nm (7.8 - 9.8 in. lbs.).
 - e. Connect the wiring connector to TC switch.
 - f. Connect the wiring connector to the shifter bezel.
 - g. Ensure cable routing does not interfere with slide guides and slider exit.
- 8. Install Shift Knob And Trim Mat.
 - a. Verify that shifter is in the neutral position.
 - b. Position knob with chrome ring on lever and seat fully.
 - c. Turn lower chrome ring of shift knob clockwise 90°.
 - d. Place the trim mat into shifter bezel bin.
- 9. ****Verify the brake transmission shift interlock operation:**
 - a. Verify that the key can only be removed in the PARK position.
 - b. When the shift lever is in PARK, the ignition key cylinder should rotate freely from ACC to LOCK. When the shifter is in any other gear or neutral position, the ignition key cylinder should not rotate to the LOCK position.
 - c. Shifting out of PARK should not be possible when the ignition key cylinder is in the ACC position and the brake pedal is not depressed.
 - d. **Shifting out of PARK should not be possible while applying normal force on the shift lever and ignition key cylinder is in the ACC, ON, or START positions unless the foot brake pedal is depressed approximately 12mm (1/2 in.).**
 - e. Shifting out of PARK should not be possible when the ignition key cylinder is in the LOCK position, regardless of the brake pedal position.
 - f. Shifting between any gears, NEUTRAL or into PARK may be done without depressing foot brake pedal with ignition switch in ACC, ON, or START positions.**
- 10. Install the center floor console using the procedures outlined in TechCONNECT 23 - Body>Interior>Floor Console>Installation.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
21-75-14-90	Replace-Shifter Bezel Assembly (B)	0.5 Hrs.

FAILURE CODE:

ZZ	Service Action
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