



NATIONAL DRIVER'S SEAT SHOCK INSPECTION/REPLACEMENT

RECALL

Models Affected: 2010 and 2011 Model Year All American and Vision

ISSUE

The driver's seat shock damper may break at the mounting tab allowing the driver's seat to unexpectedly drop to the floor without warning.

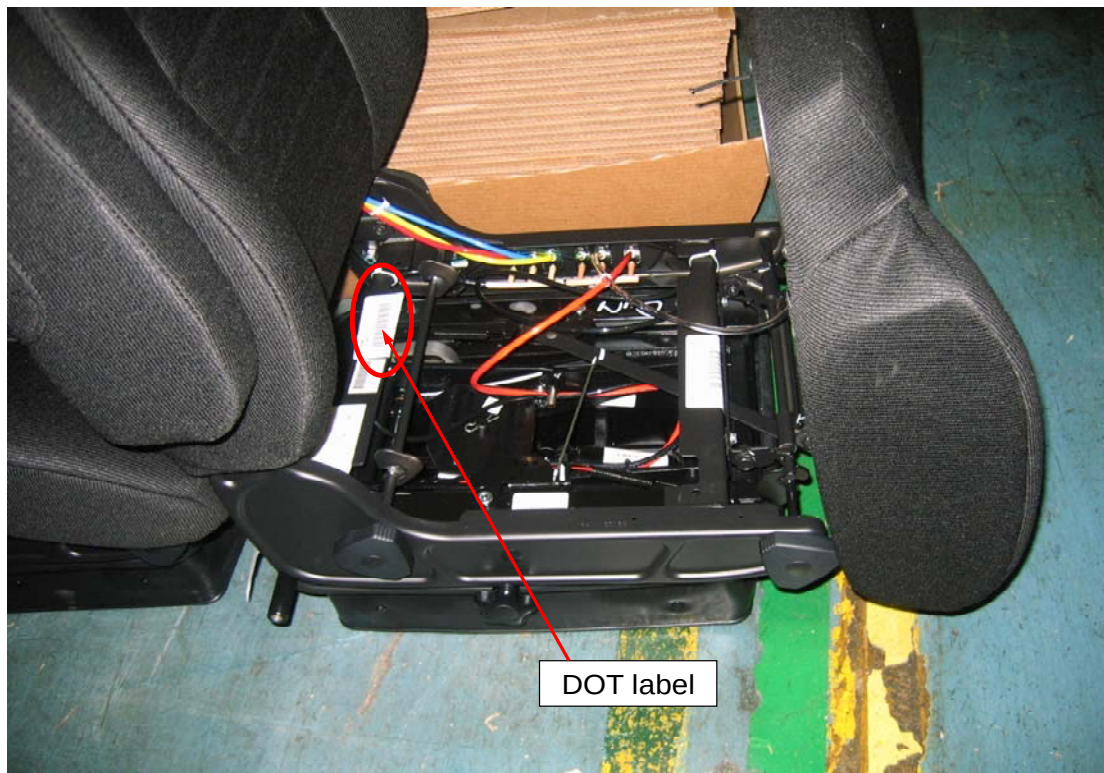
CORRECTIVE ACTION

Inspect driver's seat shock damper production date code. Replace shocks that fall within the specified production date codes identified in the following instructions.

PROCEDURE

WARNING: Always follow all Federal, State, Local and Shop safety standards and use proper safety equipment when performing these procedures.

1. Park the bus on a level surface, apply parking brakes, turn off engine and remove keys. Chock wheels.
2. Slide driver's seat cushion forward and raise rear end of cushion up and locate the DOT label with the seat production date.



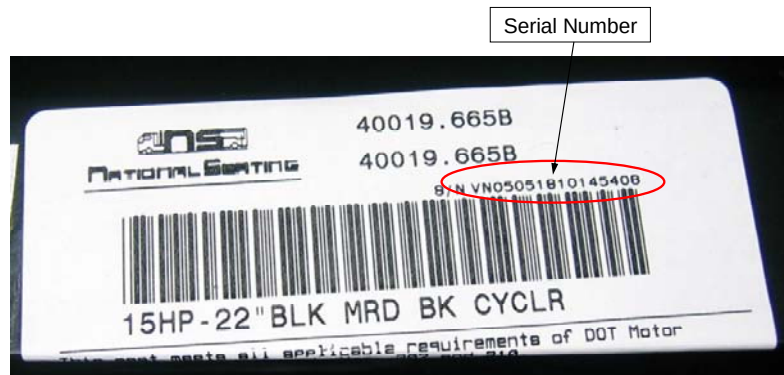
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3. Determine the seat production date on the DOT Label as follows;



DOT Label

How to read date code from serial number using same
serial number shown in previous slide as an example

VN05051810145408
Month

VN05051810145408
Day

VN05051810145408
Year

In this example the manufacturing date is May-18-2010

4. If the seat production date on the DOT label is prior to 03/10/2009 or later than 12/04/2009, then the unit can be returned to service without any further work.
5. If the seat production date on the DOT label is anytime from 03/10/2009 thru 12/04/2009, then the seat shock production date must be checked.

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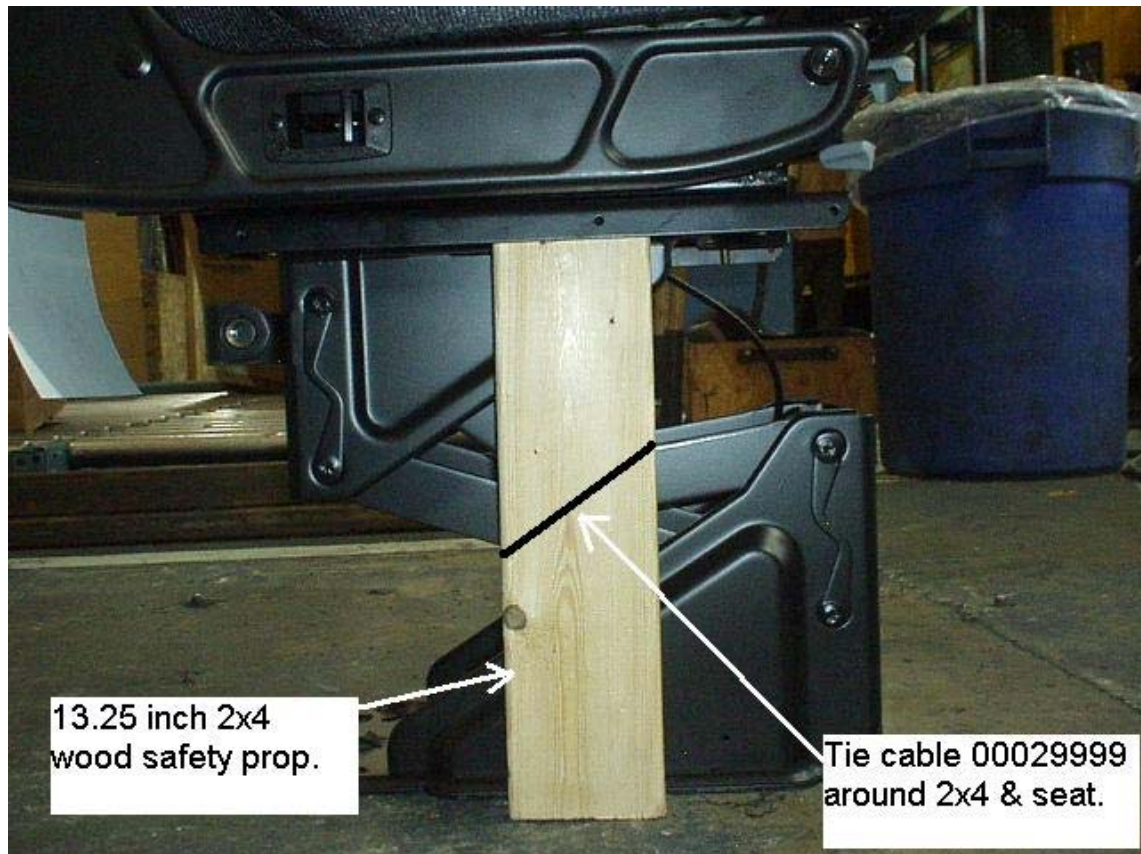


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6. Press valve on RH side of seat to raise driver's seat to the highest position.
7. Place a 13.25" long 2" x 4" wood safety prop under side of seat as shown to support seat safely while checking the seat shock production date and also to support driver's seat while changing out seat shock. Position top of 2" x 4" wood safety prop in place under driver's seat and push or tap bottom end over toward seat base to support seat.

Warning: The 2" x 4" wood safety prop should be held tightly in place to ensure personal safety while seat shock is unbolted using a 00029999 cable tie.



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8. Locate the shock production date on the lower end of the shock.

If the shock is installed with the production date on the bottom side of the shock, disconnect lower end of shock and rotate so that shock production date can be inspected.

Note: It may be possible to look at the shock production date on lower side of shock by looking from the rear of the seat base with a flash light.

If the shock production date is before 060/09 or after 337/09, (see shock production date example below), then the shock can be reattached, if it was disconnected, 2x4 wood safety prop can be removed, and the unit can be returned to service.



9. If the shock production date is **from 060/09 thru 337/09**, then the seat shock must be removed and a new seat shock installed as follows;

Warning: Be sure 2" x 4" wood safety prop is installed correctly with cable tie in place to support driver's seat while shock is being replaced!

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10. Use the following procedure to replace a defective shock. Begin with driver's seat base fully extended.

Warning: Be sure a 2" x 4" wood safety prop is installed correctly with cable tie in place to support driver's seat while shock is being replaced!

11. Loosen nut on threaded shaft with 11/16" wrench



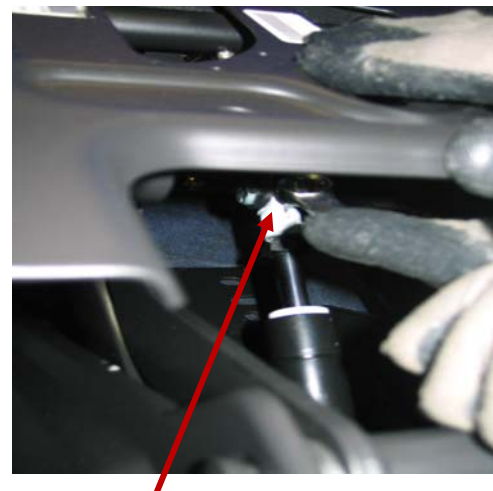
12. Use a 1/2" wrench and socket to loosen nuts on upper and lower shock



13. Loosen top nut on upper shock mount



14. Pull down on release lever of shock and remove cable from lever. To remove shock push down on shock base to collapse shock.



Release Lever

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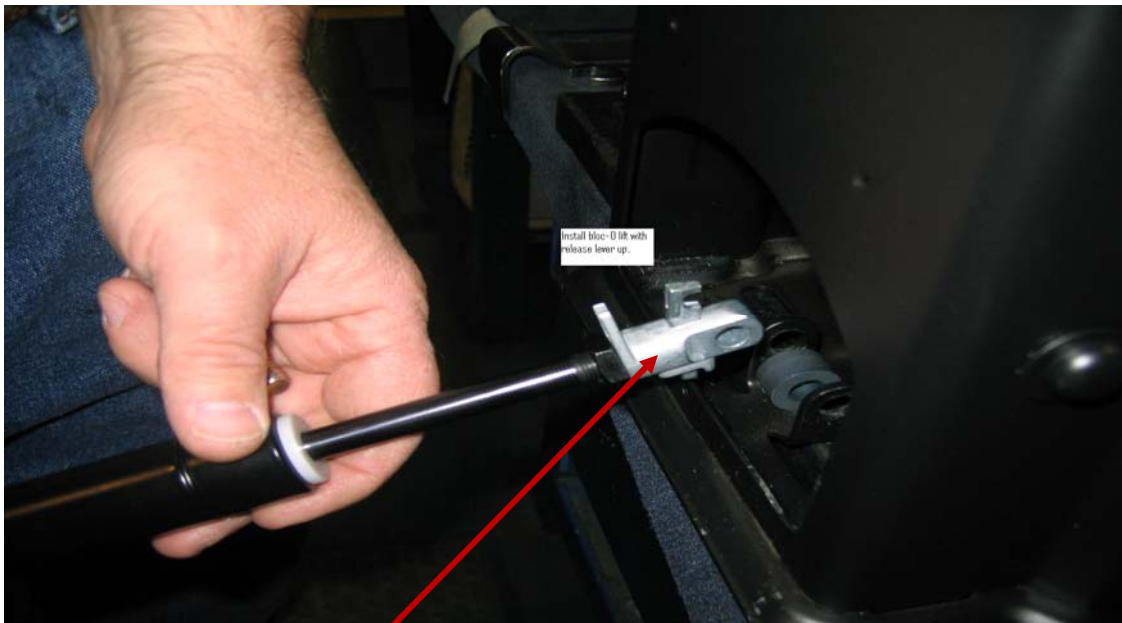
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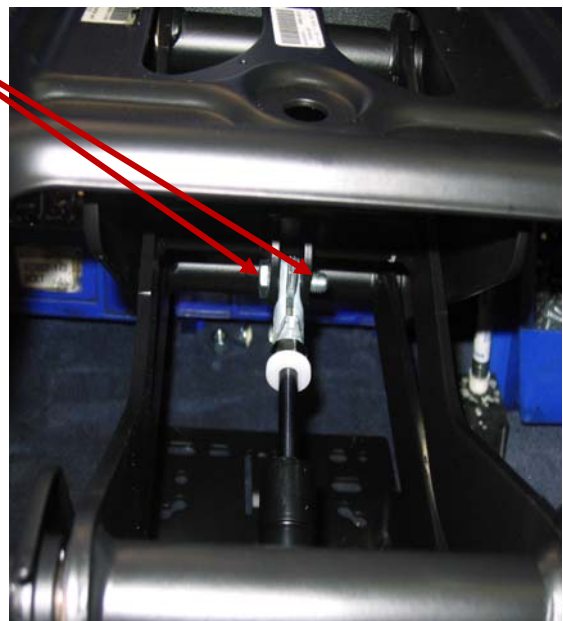
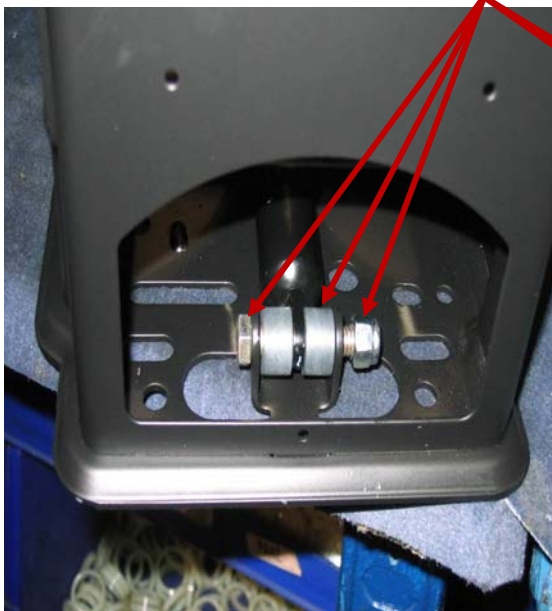
15. Place the new shock in the driver's seat base. The release lever must point up and toward the front of the base when shock is installed.



Release Lever

16. Install shock to upper shock mount in base. Use the same bolts, spacers and nuts that were removed when the defective shock was removed. Fasteners must be torqued a minimum 10 FT-LB and a maximum of 14 FT-LB. **DO NOT OVERTIGHTEN!**

Install bolts, spacers and nuts



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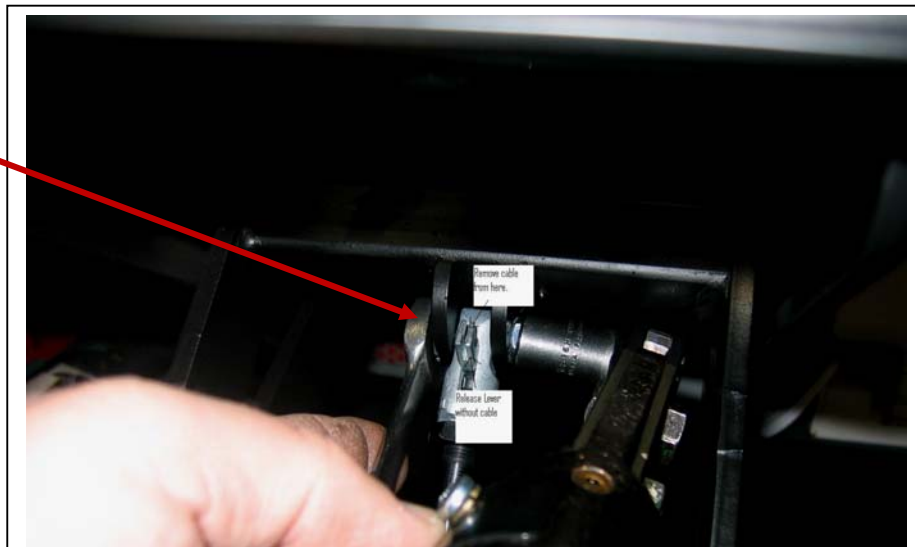
17. Install control cable into the lever at the top of the shock.



Control Cable

18. Place control cable in the release lever. Release lever fits into the upper shock mount. Place cable into position in lever as shown. Tighten nut on bottom of release lever with 11/16" wrench.

Tighten
Nut



19. Remove 2" x 4" wood safety prop from underneath the driver's seat base.
20. Remove wheel chocks and return bus to service.

<u>Part Number</u>	<u>Description</u>	<u>Qty</u>
00117401	DAMPER, SHOCK, SEAT, NATIONAL SEAT	1 (as required)
N/A	2"x 4" x 13.25" long wood safety prop	1 (as required)
00029999	Tie, Cable, 120lb 15.25L	1 (as required)

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