

This document replaces 891-006, released 07.2012.  
Changes are identified by change bars (vertical line in left margin).

| Date   | Group      | No.        | Release   | Page |
|--------|------------|------------|-----------|------|
| 8.2012 | <b>891</b> | <b>006</b> | <b>02</b> | 1(8) |

## Sun Visor Cracking VN, VHD

### SP 891-006, Sun Visor Cracking

(August 2012)

Certain VN and VHD model trucks without roof fairings built between 8/15/2011 and 4/16/2012, with exterior sun visors, may have potential issues with the visor cracking. To resolve this potential issue all affected vehicles should have the recent sun visor replaced with the previous sun visor model. To perform the replacement, complete the following procedure.

#### Required Parts

- 1 - 20414375 Cover, Sun Visor Wiring
- 1 - 20396525 Sun Visor, Exterior
- 4 - 8081374 Six Point Socket Screw, M8\*25\*SST
- 2 - 8078242 Bracket, Exterior Sun Visor
- 4 - 995463 Flange Screw, M8\*25

VOLVO recommends using Permatex Black Silicone Adhesive Sealant (part number 81173, 12.9 oz cartridge) for sealing of the sun visor wiring harness grommet for the VN/VHD cab. Please visit [www.permatex.com](http://www.permatex.com) for retailers, MSDS information and Technical Data Sheet.

This is a recommended alternative to the PARR Technologies Parlactic (SC-0274) sealant that is used in production.

**Note:** Information is subject to change without notice.

Illustrations are used for reference only and may differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.

## Procedure

You must read and understand the precautions and guidelines in Service Information, group 80, "General Safety Practices, Cab" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.



### **DANGER**

Before working on a vehicle, set the parking brakes, place the transmission in neutral, and block the wheels. Failure to do so can result in unexpected vehicle movement and can cause serious personal injury or death.



### **DANGER**

Do not attempt to repair or service a vehicle without the proper training, tools and service information. Failure to do so may result in component damage, serious injury or death.



### **DANGER**

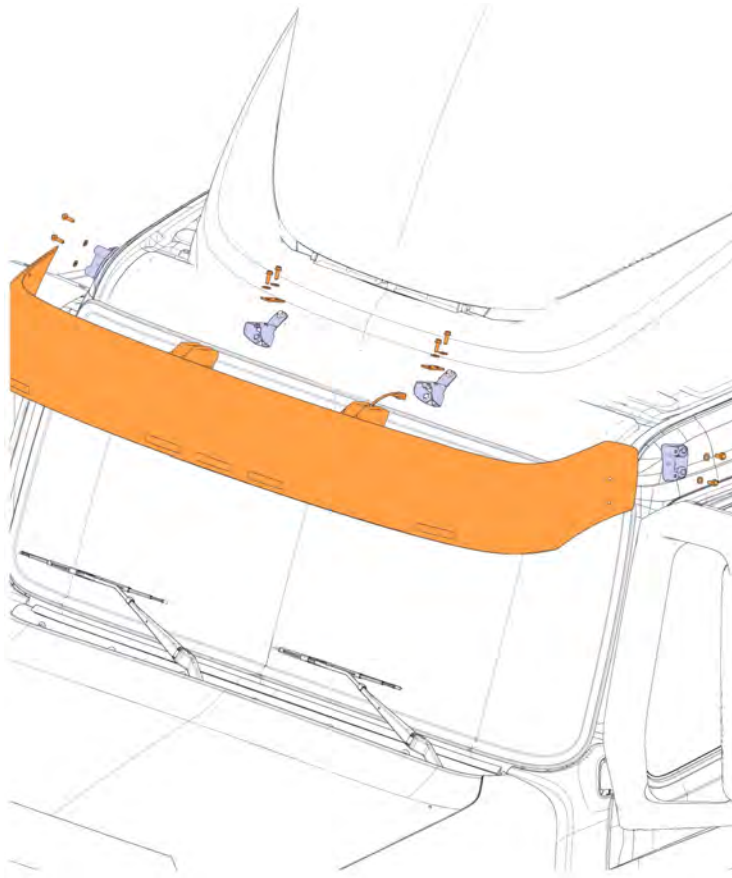
Scaffolding or other suitable work platform must be used when performing this procedure. Failure to do so may result in a fall causing serious injury or death.

**Note:** Assistance is required to complete this procedure properly.

- 1 Secure the vehicle for service by parking it on a flat level surface, applying the parking brake, chocking the rear wheel, and placing the transmission in neutral.
- 2 Disconnect all cables from the negative (ground) battery terminals to prevent personal injury from electrical shock and prevent damage to electrical components.

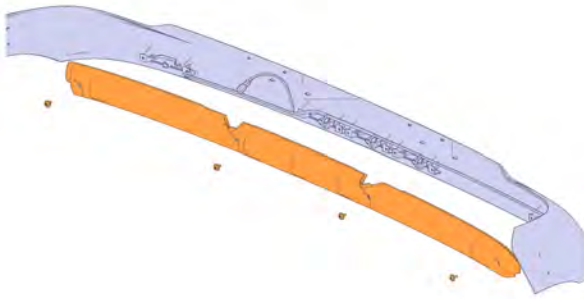
- 3 Remove the fasteners securing the sun visor to the mounting brackets and spacers. Disconnect the wiring harness to the lights (if equipped). With assistance, remove and place the sun visor in a secure location.

**Note:** Discard the sun visor plate (part number 82714165). Keep all the other removed hardware for reuse.



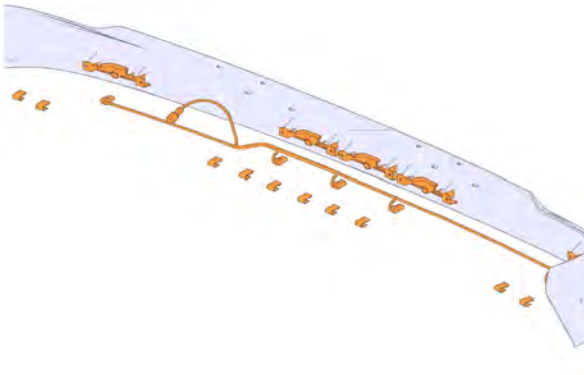
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- 4 Remove the fasteners securing the marker light cover to the sun visor and remove the marker light cover.



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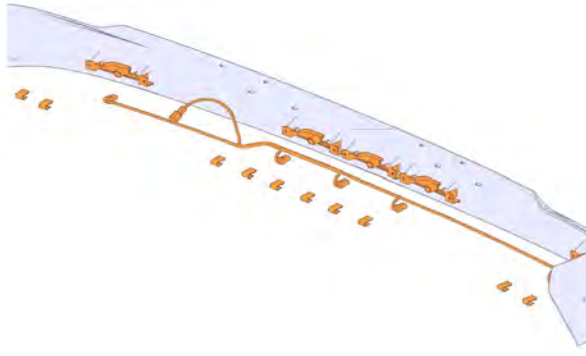
- 5 Remove the fasteners securing the lights to the sun visor. Disconnect the wiring harness to each light, and remove the lights.



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- 6 Prepare and paint the replacement sun visor.

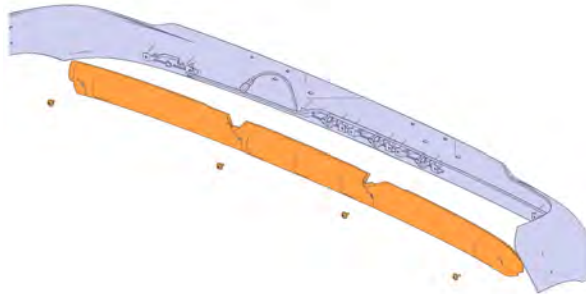
7



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Install the sun visor marker lights and harness into the sun visor (part number 20396525). Install the marker light retention clips to secure the marker lights to the replacement sun visor.

8

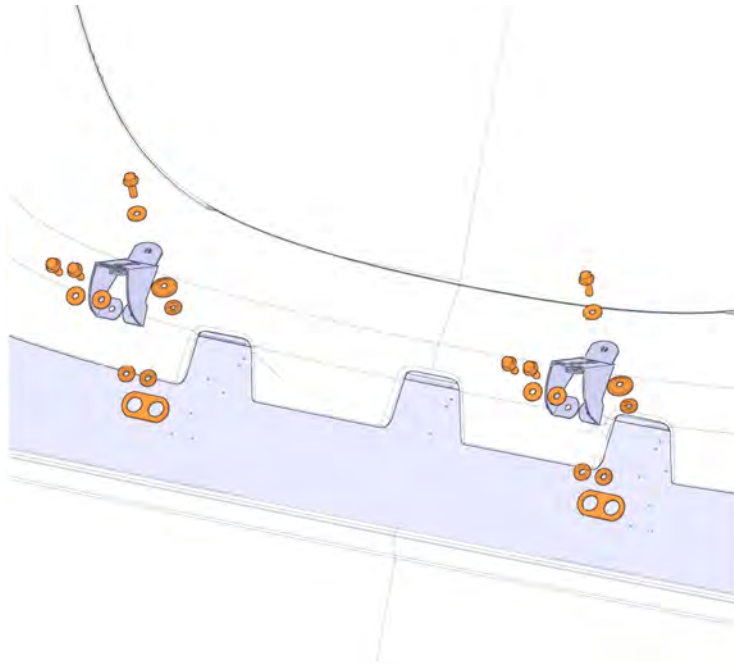


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Install the new marker light cover (part number 20414375) into position with the sun visor. Tighten the fasteners to secure.

- 9 Remove the old sun visor brackets from the roof and discard. Inspect the marker lamp harness pass-through for proper sealing. If necessary reseal the pass-through.

**Note:** Discard the four (4) flange screws (part number 983585). Keep all the other removed hardware for reuse.

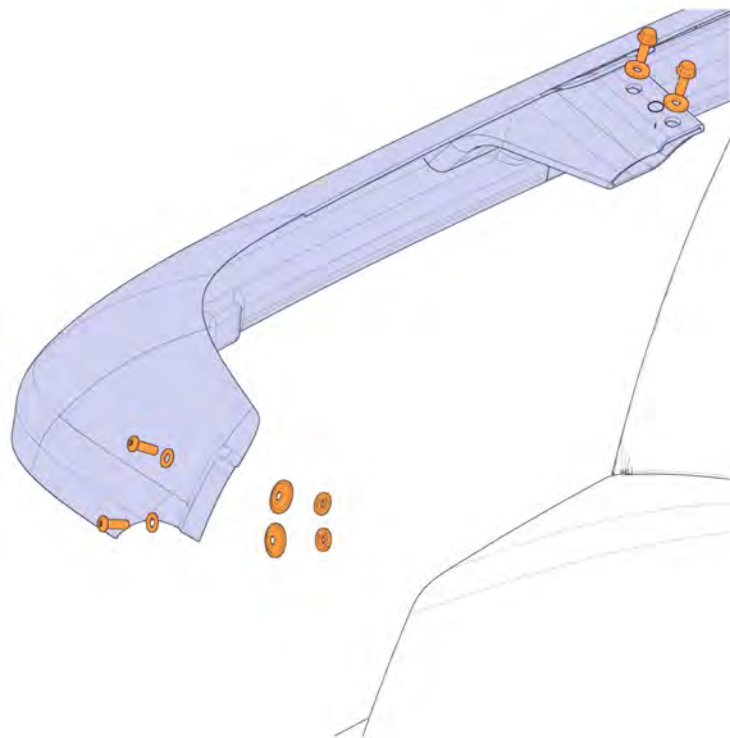


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- 10 Install the mounting brackets to the roof. Torque fasteners to  $20 \pm 4$  Nm ( $15 \pm 3$  ft-lb).

**Note:** Only the two center brackets are installed on the roof for the replacement sun visor. Fasteners are used to secure the corners of the replacement bracket.

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Position the replacement sun visor into position on the roof. Connect the sun visor marker light harness connector(s). Torque the side fasteners to  $12 \pm 2$  Nm ( $10 \pm 1$  ft-lb). Torque the center fasteners to  $20 \pm 4$  Nm ( $15 \pm 3$  ft-lb).

**Note:** If equipped, push excess wiring into the visor using care to ensure wiring is not damaged during installation.

**Note:** If equipped, apply an approved sealant around the wiring harness pass-through into the cab.

12 Reconnect all previously removed cables to the negative (ground) battery terminals.

13 Check the operation of the sun visor lights.

**Reimbursement**

|                                                                                                                                  |                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>This repair is covered by an authorized Service Program. Reimbursement is obtained via the normal claim handling process.</b> |                                                                                                    |
| <b>Claim Type (used only when uploading from the Dealer Bus. Sys.)</b>                                                           | B                                                                                                  |
| <b>Recall Status</b>                                                                                                             |                                                                                                    |
| Vehicle inspected, repair not required                                                                                           | 1- Inspected OK                                                                                    |
| Vehicle repaired per instruction                                                                                                 | 2- Modified per instruction                                                                        |
| <b>Labor Code</b>                                                                                                                |                                                                                                    |
| Primary Labor Code                                                                                                               | 89132-0-02 — 0.5                                                                                   |
| Time to take charge and determine campaign status                                                                                | 17003-0-01 — 0.3 hrs.                                                                              |
| <b>Causal Part</b>                                                                                                               | 82352966                                                                                           |
| <b>Parts Disposition</b><br><b>Note: SCRAP</b>                                                                                   |                                                                                                    |
| <b>Other Material/Parts</b>                                                                                                      | Permatex Black Silicone Adhesive Sealant<br>Up to \$300 is allowed for visor preparation and paint |
| <b>Authorization Number</b>                                                                                                      | SP891006                                                                                           |
| <b>Expiration Date</b>                                                                                                           | 27 August 2013                                                                                     |

**Note:** Take Charge Time is not included in the Labor Code for this operation. Take charge may be eligible but can only be used once per repair visit. If vehicle is having other warranty repairs performed, take charge should be charged to the warranty repair, otherwise take charge can be charged to this service program.