

NUMBER: 23-015-14

GROUP: Body

DATE: June 25, 2014

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SUBJECT:

Rear Window Washer Nozzle Drips And/Or Leaks While Driving

OVERVIEW:

This bulletin involves installing a check valve and hose assembly behind the rear window washer nozzle.

MODELS:

2012 - 2013 FF

500

NOTE: This bulletin applies to vehicles built on or before April 15, 2013 (MDH 0415XX) equipped with Rear Window Wiper/Washer sales codes (JHB).

SYMPTOM/CONDITION:

Rear window washer nozzle leaks and/or drips while driving.

DIAGNOSIS:

If the customer describes the symptom, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description	
1	68238613AA	CHECK VALVE, Washer	

REPAIR PROCEDURE:

1. Open the liftgate to gain access to the upper trim panel (1) and center high mounted stop lamp (CHMSL) (Fig. 1).



Fig. 1 Liftgate Upper Trim Panel

1 - Upper Trim Panel

- 2. Remove the plastic fastener covers (1) from the upper trim panel (Fig. 2).
- 3. Remove the upper trim panel fasteners (2), then lower the upper trim panel (Fig. 2).

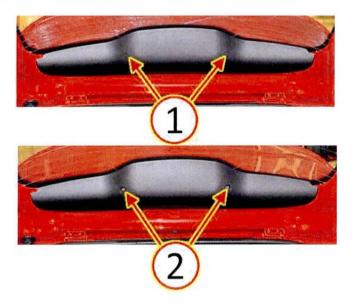


Fig. 2 Remove Liftgate Upper Trim Panel

- 1 Fastener Covers
- 2 Fasteners

- 4. Disconnect the CHMSL electrical connector (1) from the CHMSL (2) then remove the upper trim panel from the vehicle (Fig. 3).
- 5. Disconnect the rear window washer fluid hose (3) from the washer spray nozzle (4) (Fig. 3).

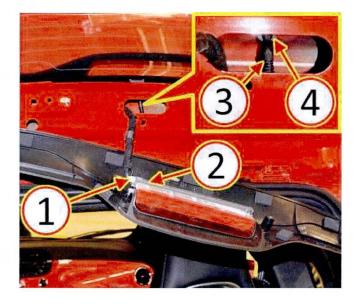


Fig. 3 Disconnect CHMSL Electrical Connector And Washer Fluid Hose

- 1 CHMSL Electrical Connector
- 2 CHMSL
- 3 Window Washer Hose
- 4 Window Washer Nozzle

CAUTION: If lubricant must be used for the check valve installation, washer fluid is preferred. Any petroleum based lubricant is NOT allowed and will result in the hose joint failing over time.

6. Connect the barbed end of the check valve assembly (1) to the window washer fluid hose (2) then check for full hose engagement on the check valve(Fig. 4).

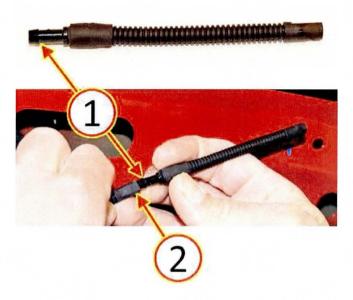


Fig. 4 Install Washer Fluid Hose Check Valve

- 1 Check Valve Assembly
- 2 Window Washer Hose
- 7. Carefully position the check valve assembly (1) into the rear hatch without kinking the washer fluid hose, then connect the hose end of the check valve assembly (1) to the window washer nozzle (2) (Fig. 5).

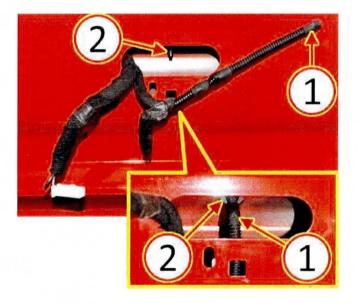


Fig. 5 Connect Check Valve To Washer Nozzle

1 - Check Valve Assembly

2 - Window Washer Nozzle

8. Connect the CHMSL electrical connector (1) to the CHMSL (2) (Fig. 6).

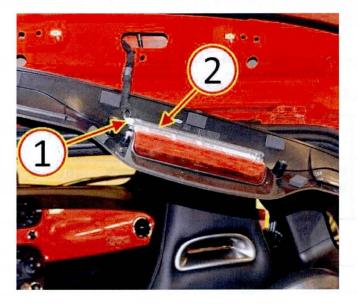


Fig. 6 Connect CHMSL Electrical Connector

1 - CHMSL Electrical Connector

2 - CHMSL

9. Install the upper trim panel fasteners (1) and tighten securely (Fig. 7).

10. Install the plastic fastener covers (2) to the upper trim panel (Fig. 7).

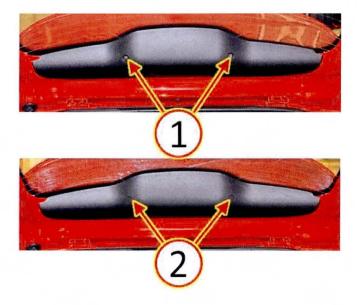


Fig. 7 Install Liftgate Upper Trim Panel

Fasteners
Fastener Covers

11. Close the liftgate then actuate the rear window washer to verify proper operation of the washer and that the installation of the check valve has resulted in no drips or leaks after washer actuation.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
23-43-20-90	Install Rear Window Washer Check Valve (1 - Semi-Skilled)	6 - Electrical and Body Systems	0.2 Hrs.

FAILURE CODE:

ZZ	Service Action

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