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GROUP: Emissions Control

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SUBJECT:

Diesel Exhaust Fluid (DEF) Injector Line Retention

OVERVIEW:

This bulletin involves positioning and securing the Diesel Exhaust Fluid (DEF) injector line. The DEF injector wiring is anchored to the frame member and the intent is to anchor the DEF injector hose to the frame member and then tie the DEF injector hose to the wire harness.

MODELS:

2014 (WK) Grand Cherokee

NOTE: This bulletin applies to WK vehicles equipped with a 3.0L engine (sales code EXF) and Selective Catalytic Reduction (Urea) (sales code XAL) built on or before 4/1/2014 (MDH 0401XX).

SYMPTOM/CONDITION:

If the vehicle's VIN is on the RRT VIN list or if the DEF injector line hangs too low, perform the repair procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	68257352AA	Kit, DEF Line Retention

REPAIR PROCEDURE:

1. Raise and support the vehicle using a suitable hoist.
2. Open the 68257352AA kit and lay out the contents ([Fig. 1](#)).

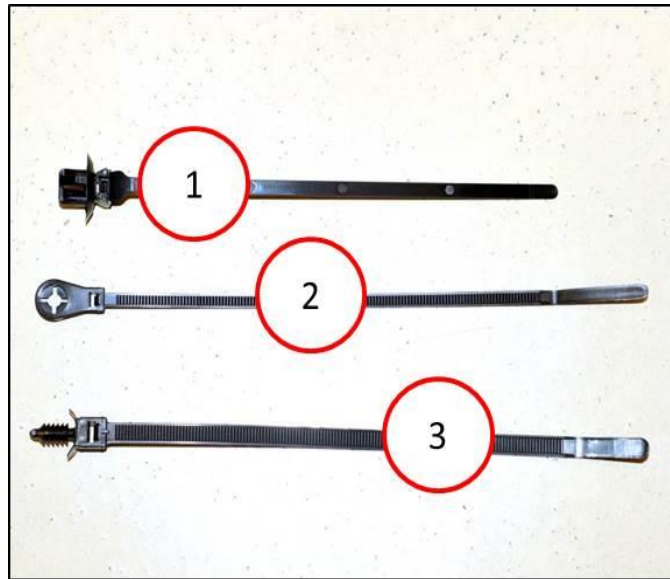


Fig. 1 KIT CONTENTS

- 1 - Rectangular barbed clip PN 52029757AA
- 2 - Fir tree receiving clip PN 05030560AA
- 3 - Fir tree clip PN 04743479AA

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3. IF the vehicle has a tie strap holding DEF supply line to electrical trough, located next to the frame member behind the right front tire area, as shown in (Fig. 2), remove the tie strap, (vehicles built on 12/18/13 or later)



Fig. 2 CUT THIS TIE IF PRESENT

- 1 - Tie installed at the factory on vehicles built since 12/18/13
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- Carefully cut straps holding DEF injector wire harness to hose ([Fig. 3](#)).
- Carefully cut strap holding DEF injector wiring to rail clip and remove clip from hole in the frame ([Fig. 3](#)).

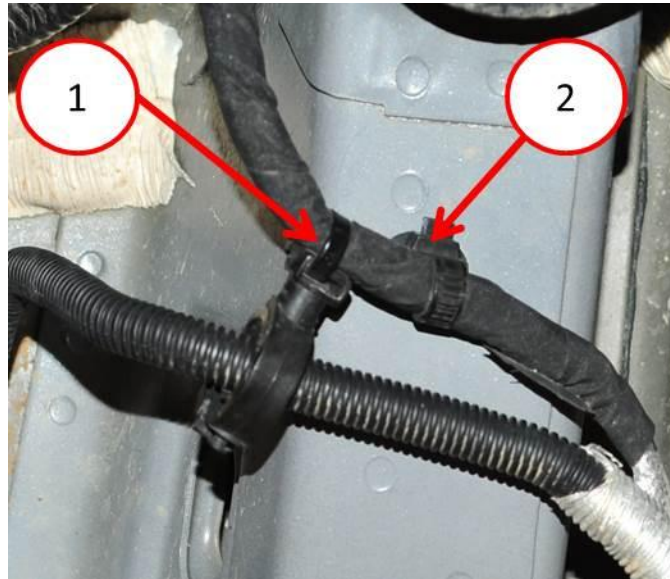


Fig. 3 CUT THE EXISTING RETAINERS

- Cut the wire harness to hose strap
- Cut the wire harness to frame strap with rectangular clip

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- Install new rectangular barbed clip PN 52029757AA to DEF supply line a measured 1.5" (38mm) down from foil on the convolute on supply line ([Fig. 4](#)). Do NOT install the rectangular barbed clip into the frame at this time.



Fig. 4 MEASURE FROM THE FOIL FOR TIE LOCATION

7. Check for proper orientation of the DEF hose to the DEF injector wiring harness. The two should not cross. If necessary, disconnect the electrical connector from the doser injector and properly orientate their routing ([Fig. 5](#)). After properly routing the wire harness with respect to the DEF hose, connect the DEF injector connector ensuring a click is heard.

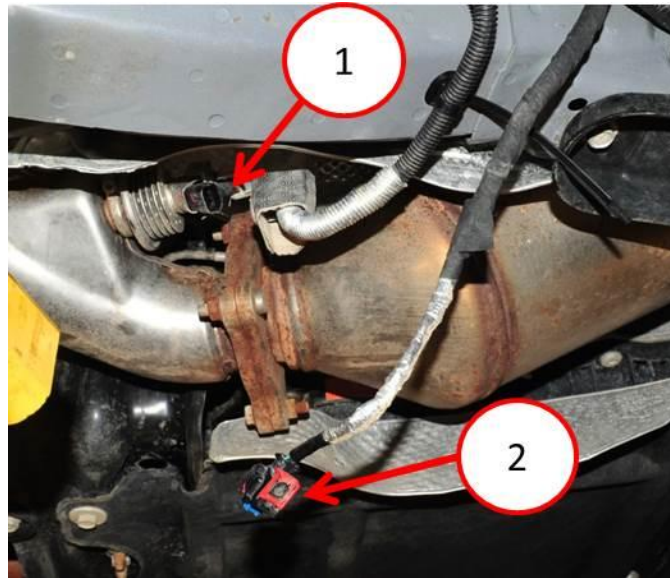


Fig. 5 DISCONNECT THE HARNESS FROM THE DOSER INJECTOR

- 1 - DEF injector
- 2 - Wiring connector

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8. Loosely attach fir tree receiving clip PN 05030560AA to DEF line near end of foil covered area of convolute ([Fig. 6](#)).



Fig. 6 WIRE TIES INSTALLED

1 - Fir tree wire tie and fire tree receiver tie installed and snugged to wire and hose.

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9. Tighten fir tree clip PN 04743479AA to dosing valve electrical take-out a measured 6” (152 mm) down from face of connector.
 10. Attach fir tree into supply line receiving clip.
 11. Push rectangular barb fastener into rail.
 12. Cinch DEF supply line fir tree receiving fastener down, (do not collapse hose when tightening tie straps).
 13. Ensure installation looks as shown in (Fig. 7).

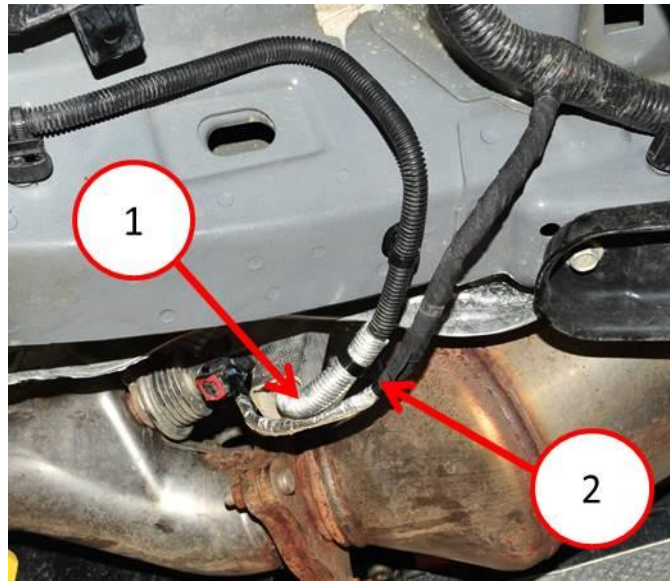


Fig. 7 PROPER INSTALLATION

- 1 - DEF injector hose and wire harness are NOT crossed
- 2 - Ties are snugged retaining DEF injector hose and wire harness together

- 14. Cut tails from all tie straps.
- 15. Visually inspect system for good clearances to exhaust, frame and other components and ensure that line/wiring stays close to the rail.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
25-08-04-90	DEF Injector Assembly , DEF Injector Line, Secure (1- Semi-Skilled)	10 - Diesel	0.2 Hrs.

FAILURE CODE:

ZZ	Service Action
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