



NUMBER: 07-004-13

GROUP: Cooling

DATE: September 06, 2013

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SUBJECT:

Coolant Weepage At EGR Hose

OVERVIEW:

This bulletin involves replacing the EGR hose.

MODELS:

2011 - 2013

WK

Grand Cherokee (International Only)

NOTE: This bulletin applies to vehicles with the 3.0L V6 Turbo Diesel Engine (sales code EXF) built on or before June 03, 2013 (MDH 0603XX)

SYMPTOM/CONDITION:

The EGR coolant hose may weep coolant.

DIAGNOSIS:

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

PARTS REQUIRED:

Qty.	Part No.	Description
(1)	68233187AA	EGR Coolant Hose

REPAIR PROCEDURE:

WARNING:All pressurized air suspension components contain high pressure air (up to 220 psig). Use extreme caution when inspecting for leaks. Wear safety goggles and adequate protective clothing when inspecting or servicing the air suspension system. A sudden release of air under this amount of pressure can cause possible serious or fatal injury.

WARNING:Support the vehicle by supplemental means before performing any work on the air suspension system to prevent the vehicle from changing height. Before any given component is to be serviced it must be deflated. Servicing the air suspension system without supplemental support, or with pressure in the specific component, can cause possible serious or fatal injury.

CAUTION: COOLING SYSTEM MAY BE UNDER HIGH TEMPERATURES AND HIGH PRESSURES. USE EXTREME CAUTION WHEN REMOVING THE RADIATOR CAP.

NOTE: The coolant is to be drained into a clean pan and REUSED, no additional coolant will be required.

1. Drain the cooling system. Follow the detailed procedures available in DealerCONNECT/TECHCONNECT, Refer To 07 - Cooling - Standard Procedure > DRAINING.
2. If equipped with air suspension (SER), with a scan tool, using the routines under the ASCM, perform the following.
 - a. Disable the air suspension system.
 - b. Run the Spring Deflate To Reservoir routine on the right front air suspension spring.
3. Remove engine top cover.
4. Remove fuel injector silencer from right cylinder bank ([Fig. 1](#)).

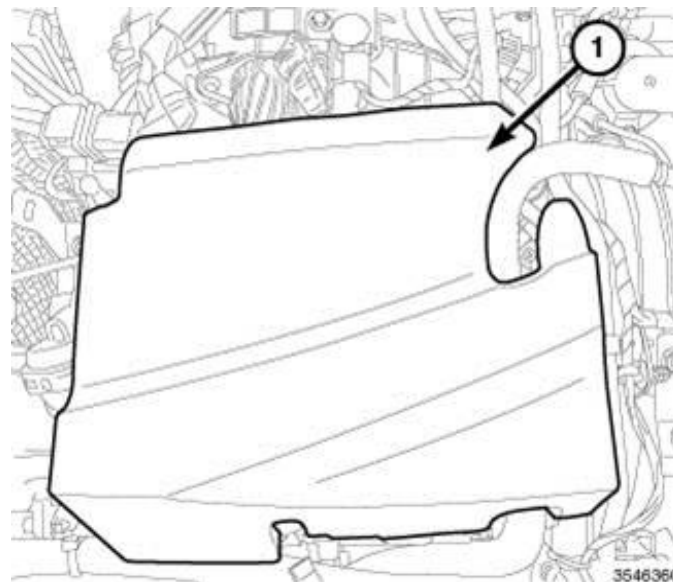


Fig. 1

1 - Injector Silencer

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5. Raise the vehicle on a suitable hoist. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: Service Info> 04- Vehicle Quick Reference> Hoisting> Standard Procedure> Hoisting.
 6. Remove engine belly pan.
 7. Lower vehicle.
 8. Remove glow plug module ([Fig. 2](#)).



Fig. 2

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9. Disconnect glow plug module and relay wiring harness ([Fig. 3](#)).



Fig. 3

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10. Put wiring harness to the side ([Fig. 3](#)).



Fig. 4

11. Use hose clamp pliers and remove hose clamp at EGR cooler ([Fig. 5](#)).

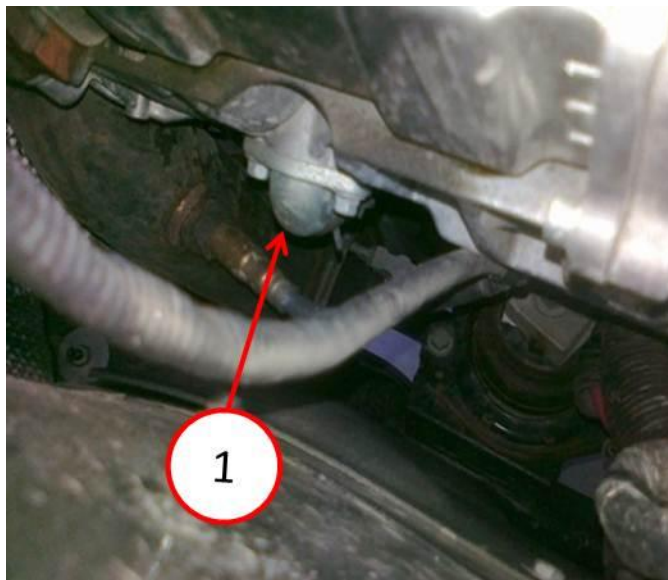


Fig. 5

1 - Hose, EGR Cooler

12. Lift vehicle.
13. Remove the stabilizer link (7) to lower control arm nut ([Fig. 6](#)).

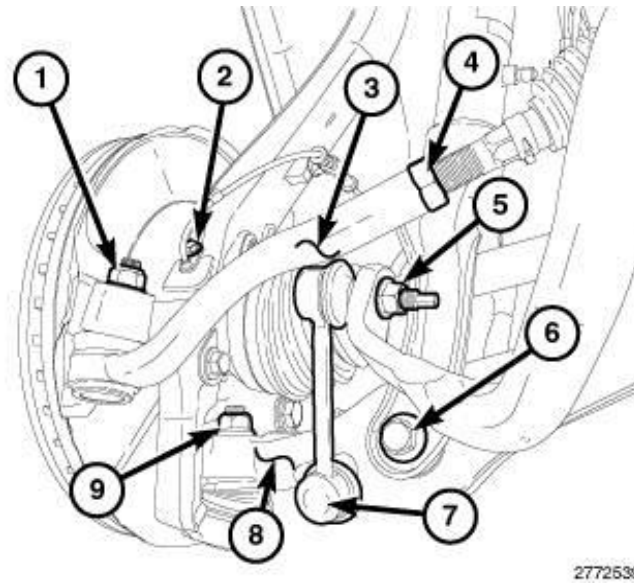


Fig. 6

7 - Stabilizer Link

14. Use a paint marker and place a mark on the rear control arm bushing bracket to the cradle (6) (Fig. 6).
15. Remove shock and clevis bracket to lower control arm nut and bolt (6) (Fig. 6).
16. Remove the lower control arm pivot nut and bolt from the lower control arm (3) (Fig. 7).

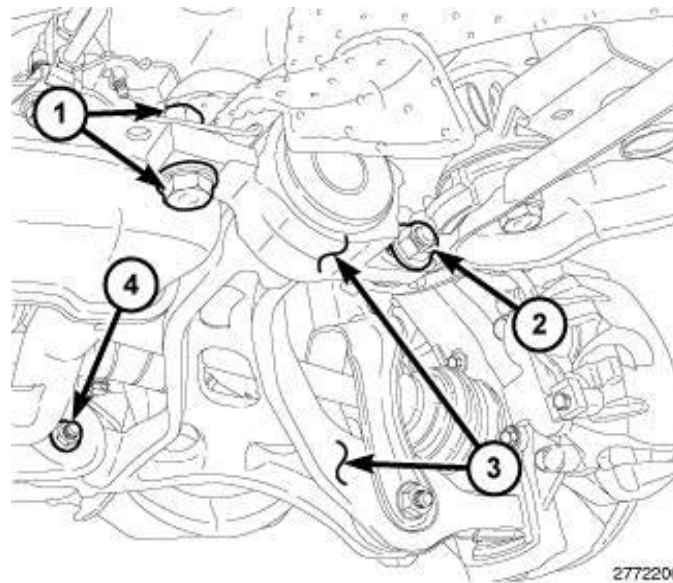


Fig. 7

17. Remove the lower control arm rear pivot vertical bolt and nut (1) and the lower control arm rear pivot horizontal bolt and nut (2) from lower control arm (Fig. 7).

18. Remove right front lower control arm partially from vehicle with ball joint still connected to knuckle. This is required to get access to the coolant hose from underneath
19. Gain access from right side underneath the vehicle to EGR cooler hose and remove hose clamp at EGR cooler pipe.
20. Remove EGR cooler hose
21. Install new EGR hose.
22. Install all parts in reverse order, ensure the paint marks are aligned on the control arm and bracket
23. Refill and evacuate coolant system. Follow the detailed procedures available in DealerCONNECT/TECHCONNECT, Refer To 07 - Cooling - Standard Procedure > STANDARD PROCEDURE - COOLANT AIR EVACUATION.

NOTE: For MY 2011 & 2012 vehicles use MOPAR® Antifreeze/Coolant 5 Year/100,000 Mile Formula HOAT p/n 05066386AA; for MY 2013 vehicles use MOPAR® Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT p/n 68163848AA.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
25- 01- 47- 91	Hose, EGR Cooler Replace (2- Skilled)	10- Diesel	1.4 Hrs.

FAILURE CODE:

ZZ	Service Action
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