

January 2016

Dealer Service Instructions for:

Customer Satisfaction Notification R29 Engine Oil Consumption

Models

2013-2015 (ZD) Dodge Viper

IMPORTANT: Some of the involved vehicles may be in dealer vehicle inventory. Dealers should complete this repair on these vehicles before retail delivery. Dealers should also perform this repair on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

Subject

The engine on about 900 of the above vehicles may experience unintended oil consumption under rare conditions during high-speed right-hand cornering when the engine is at light throttle and high RPM, engine oil can be forced into the Make Up Air hose. This condition may compromise engine durability.

Repair

All vehicles must have the engine oil and oil filter changed and an updated oil management system must be installed which includes a new valve cover assembly with a relocated make up air (MUA) fitting and new baffle.

Alternate Transportation

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if inspection determines that a long block engine replacement is required and the vehicle must be held overnight.

Parts Information

<u>Part Number</u>	<u>Description</u>
CEAFR291AA	Kit, Engine Oil Consumption

Each kit contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Cover, Cylinder Head Left Side
1	Cover, Ignition Coil Left Side
1	Foam Block
1	Hose, MUA

05038041AA	Filter, Oil
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68171066PA	Oil, Engine – 11 Quarts, 0W40 (MS 12633)
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IMPORTANT: Due to the small number of involved vehicles, no parts will be distributed to involved dealers initially. Parts may be ordered as needed to support scheduled repairs.

Parts Return

See Section A. Inspect Oil Filter for Contamination for parts return details.

Special Tools

No special tools are required to perform this repair.

Service Procedure

A. Change Oil and Oil Filter

1. Run the engine until achieving normal operating temperature.
2. Position the vehicle on a level surface and turn the engine off.
3. Open the hood.
4. Raise the vehicle on hoist.
5. Place a suitable drain pan under the oil filter.
6. Remove and discard the oil filter.
7. Install a **NEW** oil filter then tighten to 13 ft. lbs. (18 N·m).

NOTE: Apply a thin coat of engine oil to the oil filter seal before installation.

8. Remove the drain plug from the oil pan and allow the oil to drain into pan. Inspect the drain plug threads for stretching or other damage. Replace the drain plug and the gasket if damaged.
9. Install the drain plug in the oil pan and tighten to 25 ft. lbs. (34 N·m).
10. Lower the vehicle and fill the crankcase with engine oil using 0W40 (MS 12633).
11. Start the engine and inspect for leaks.
12. Stop the engine and inspect the oil level. Adjust the oil level as necessary.
13. Continue with **Section B. Install Engine Oil Consumption Kit.**

Service Procedure (Continued)

B. Install Engine Oil Consumption Kit

1. Open the trunk lid. Disconnect the battery negative cable.
2. Remove the eight bolts that secure the cross support brace. Remove and save the cross brace (Figure 1).

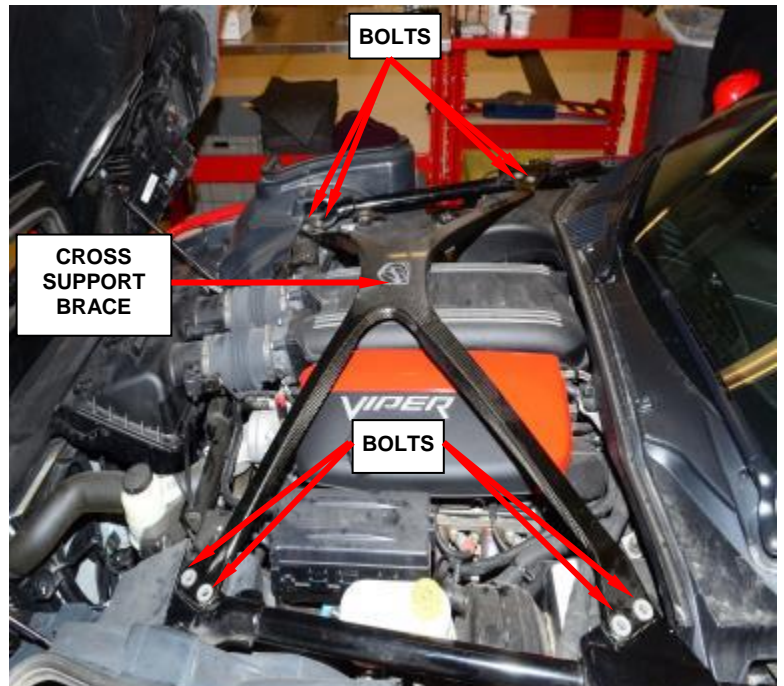


Figure 1 – Cross Brace

3. Remove and **discard** the oil fill cap (Figure 2).
4. Remove and **discard** the left side ignition coil cover (Figure 2).



Figure 2 – Ignition Coil Cover

Service Procedure (Continued)

5. Disconnect the brake booster hose retaining clip from the cylinder head cover and the hose from the air plenum. Position the hose to the side (Figure 3).

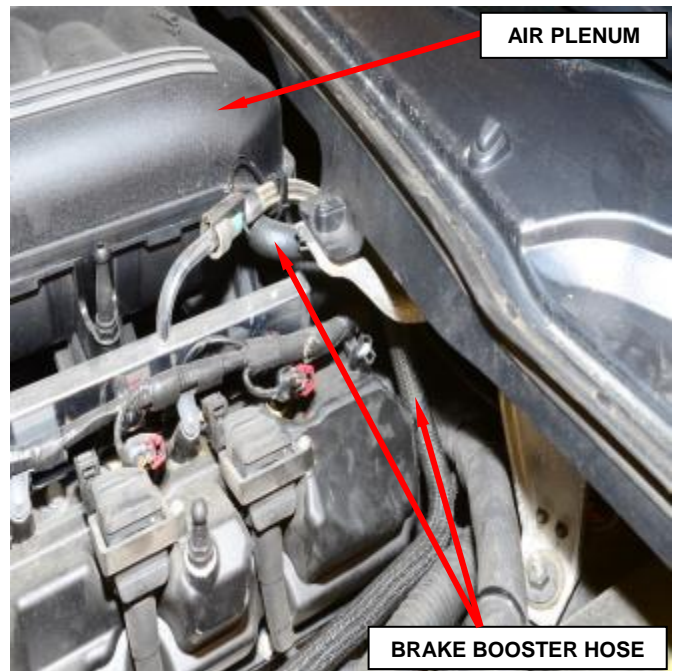


Figure 3 – Brake Booster Hose

6. Remove and **discard** the Make Up Air hose (MUA) (Figure 4).

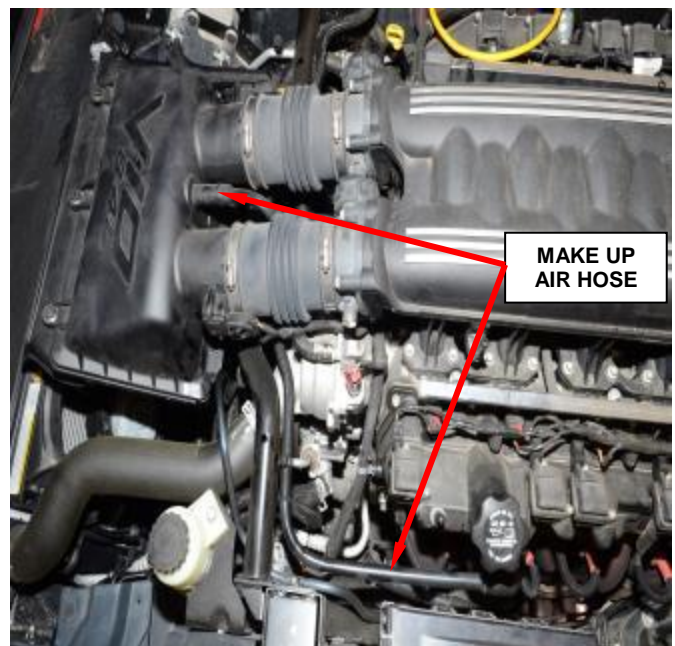


Figure 4 – Make Up Air Hose

Service Procedure (Continued)

7. Disconnect the five ignition coil electrical connectors.
8. Disconnect the five fuel injector electrical connectors (Figure 5).
9. Remove the five ignition coils from the cylinder head cover and position to the side (Figure 5).
10. Release the five wire harness push pin retainers and position the wire harness to the side (Figure 5).

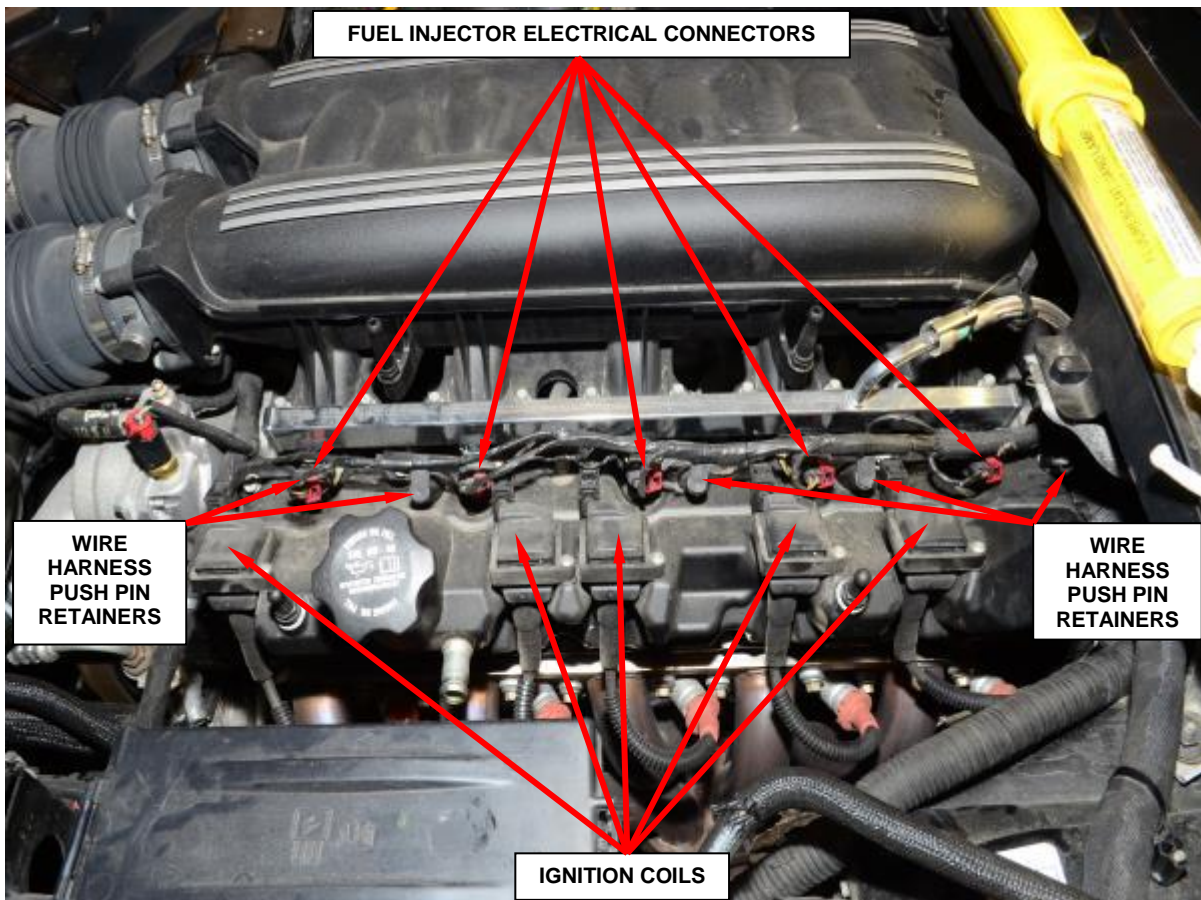


Figure 5 - Electrical Connectors

Service Procedure (Continued)

11. Remove and save the twelve left cylinder head cover bolts. Remove and **discard** the left cylinder head cover (Figure 6).
12. Place the **NEW** left cylinder head cover onto the left cylinder head.
13. Install and tighten the twelve cylinder head cover bolts and tighten to 80 in. lbs. (9 N·m) in the sequence shown (Figure 6).
14. Install the five ignition coils to the cylinder head cover and tighten the screws securely (Figure 5).
15. Position the wire harness to the cylinder head cover and install the five wire harness push pin retainers (Figure 5).

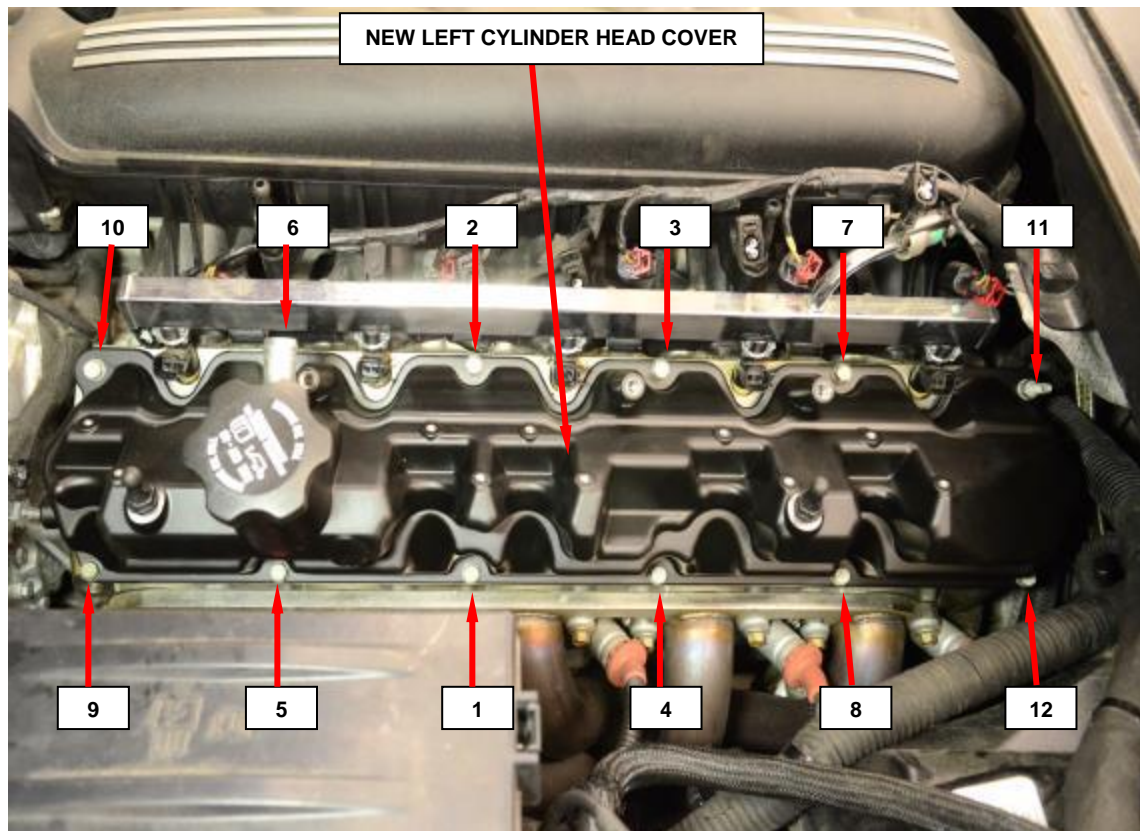


Figure 6 – Left Cylinder Head Cover Tightening Sequence

Service Procedure (Continued)

16. Connect the five fuel injector electrical connectors (Figure 5).
17. Connect the five ignition coil electrical connectors (Figure 5).
18. Connect the brake booster hose retaining clip to the cylinder head cover and the hose to the air plenum (Figure 3).
19. Install the **NEW** Make Up Air hose (MUA) as shown (Figure 7).



Figure 7 – New Make Up Air Hose

20. Install the **supplied** foam block over the fuel rail as shown (Figure 8).

NOTE: The foam block is a slip fit to the engine and its components. The left ignition coil cover contains and secures the foam block when installed.

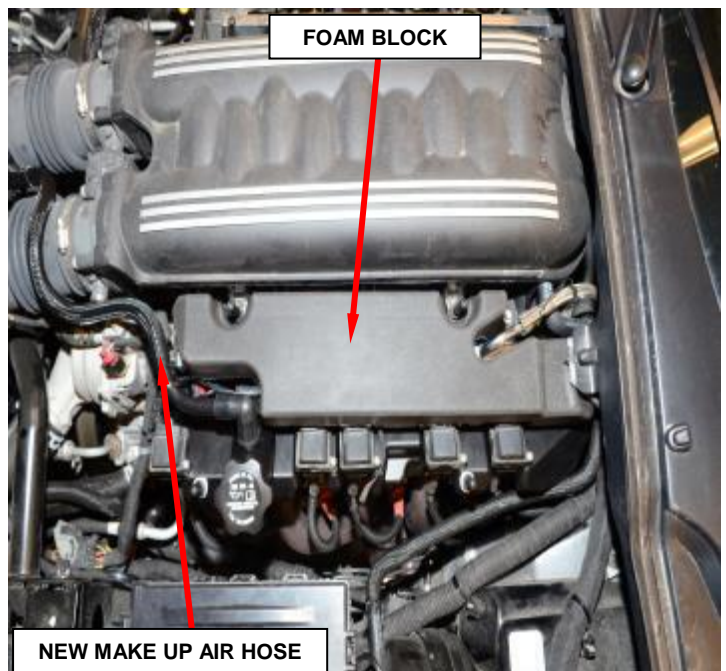


Figure 8 – Foam Block

Service Procedure (Continued)

NOTE: Make sure the rubber coil cover isolators are in place prior to installing the engine covers.

21. Install the **NEW** left ignition coil cover (Figure 2).

22. Install the cross support brace and tighten the bolts to 15 ft. lbs. (20 N·m) (Figure 1).

23. Connect the negative battery cable and close the trunk lid.

24. Close the trunk lid, hood and return the vehicle to the customer.

Complete Proof of Correction Form for California Residents

The State of California Registration Renewal/Emissions Recall Enforcement Program. Complete a Vehicle Emission Recall Proof of Correction Form (Form No. 81-016-1053) and supply it to vehicle owners residing in the state of California for proof that this recall has been performed when they renew the vehicle registration.

Completion Reporting and Reimbursement

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims submitted will be used by Chrysler to record Customer Satisfaction Notification service completions and provide dealer payments.

Use the following labor operation numbers and time allowances:

	<u>Labor Operation Number</u>	<u>Time Allowance</u>
Change Engine Oil and Install Engine Oil Consumption Kit	09-R2-91-82	1.4 hours

Add the cost of the parts package plus applicable dealer allowance to your claim.

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete claim processing instructions.

Dealer Notification

To view this notification on DealerCONNECT, select “Global Recall System” on the Service tab, then click on the description of this notification.

Owner Notification and Service Scheduling

All involved vehicle owners known to Chrysler are being notified of the service requirement by mail. They are requested to schedule appointments for this service with their dealers. A generic copy of the owner letter is attached.

Enclosed with each owner letter is an Owner Notification postcard to allow owners to update our records if applicable.

Vehicle Lists, Global Recall System, VIP and Dealer Follow Up

All involved vehicles have been entered into the DealerCONNECT Global Recall System (GRS) and Vehicle Information Plus (VIP) for dealer inquiry as needed.

GRS provides involved dealers with an updated VIN list of their incomplete vehicles. The owner's name, address and phone number are listed if known. Completed vehicles are removed from GRS within several days of repair claim submission.

To use this system, click on the “**Service**” tab and then click on “**Global Recall System.**” Your dealer's VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, zip code, or VIN sequence.

Dealers should perform this repair on all unsold vehicles before retail delivery. Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this notification only and is strictly prohibited from all other use.

Additional Information

If you have any questions or need assistance in completing this action, please contact your Service and Parts District Manager.

Customer Service / Field Operations
FCA US LLC

CUSTOMER SATISFACTION NOTIFICATION

R29

This notice applies to your vehicle (VIN: xxxxxxxxxxxxxxxxxxxx).

Dear: (Name)

At FCA US LLC, we are constantly monitoring the quality of our products and looking for opportunities to improve our vehicles even after they are sold. Since our customers' long-term satisfaction is of the utmost importance to us, we are contacting you on important improvements we would like to make to your vehicle. This will be done at no charge to you.

We are recommending the following improvements be performed on certain **2013 through 2015 model year Dodge Viper vehicles.**

The problem is... Under rare conditions during high-speed right-hand cornering when the engine is at light throttle and high RPM, engine oil can be forced into the Make Up Air hose, resulting in unintended oil consumption.

This condition may compromise engine durability.

What your dealer will do... FCA will repair your vehicle free of charge. To do this, your dealer will complete a free engine oil & filter change and then install an updated oil management system which includes a new valve cover assembly with a relocated make up air (MUA) fitting and new baffle. The work will take about 1½ hours to complete. However, additional time may be necessary depending on service schedules.

What you should do... Please call the SRT Information Center at **855-778 8326** to schedule service at a certified Dodge Viper dealer. If you have questions or concerns which your dealer is unable to resolve, please contact the SRT Information Center at either **fcarecalls.com** or **1-855-778 8326**.

California residents... The State of California requires the completion of emission recall repairs prior to vehicle registration renewal. Your dealer will provide you with a Vehicle Emission Recall Proof of Correction Form after the recall service is performed. Be sure to save this form since the California Department of Motor Vehicles may require that you supply it as proof that the recall has been performed.

Please help us update our records by filling out the attached prepaid postcard, if any of the conditions listed on the card apply to your vehicle. If you have further questions go to **fcarecalls.com**.

If you have already experienced this specific condition and have paid to have it repaired, you may visit **www.fcarecallreimbursement.com** to submit your reimbursement request online or you can mail your original receipts and proof of payment to the following address for reimbursement consideration: **FCA Customer Assistance, P.O. Box 21-8004, Auburn Hills, MI 48321-8007, Attention: Recall Reimbursement**. Once we receive and verify the required documents, reimbursement will be sent to you within 60 days. If you've had previous repairs and/or reimbursement you may still need to have the recall repair performed on your vehicle.

We apologize for any inconvenience this service may cause to your schedule. FCA is committed to providing our customers with world class quality products, ensuring that you have a positive dealership experience and following up on any issues and concerns that you may have in a timely manner through our Customer Assistance Center. Thank you for being our customer.

Sincerely,
Customer Service / Field Operations
FCA US LLC