SERVICE BULLETIN

NUMBER: 09-004-14

GROUP: Engine

DATE: August 16, 2014

THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 14-066. ALL APPLICABLE UN-SOLD RRT VIN's HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.

SUBJECT:
Engine Oil Weep From Oil Filter Adapter and/or Oil Cooler

OVERVIEW:
This bulletin involves inspection of the oil filter adapter and oil cooler for signs of oil weepage and repairing as necessary.

MODELS:

2014	(DJ)	Ram 2500
2014	(D2)	Ram 3500 Pickup
2014	(DD)	Ram 3500 Cab Chassis
2014	(DP)	Ram 4500/5500

NOTE: This bulletin applies to vehicles equipped with a 6.4L engine (sales code ESA or ESB) and specified in the RRT VIN list.

SYMPTOM/CONDITION:
The Oil Filter Adapter (OFA) and/or oil cooler may weep oil.

DIAGNOSIS:
If a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. For all other customers that describe the symptom/condition, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	05010042AB	Dye, 4 in 1 Leak Detection
1	53021661AA	Large O-Ring, Oil Filter Adapter
1	53021660AC	Small O-Ring, Oil Filter Adapter
1	68241151AA	O-Ring Package, Engine Oil Cooler

SPECIAL TOOLS/EQUIPMENT REQUIRED:

Snap-on TMUSM8A	1/4 in. drive, 6 pt. 8mm shallow universal

REPAIR PROCEDURE:

1. Install one bottle of Mopar leak detection dye into the oil fill tube.
2. Start engine and allow to idle for approximately 15 minutes to allow the dye to adequately circulate through the entire oiling system.
3. Raise vehicle on a suitable hoist.
4. Using a black light, inspect the mating areas between the oil cooler and OFA and between the OFA and engine block. Were any signs of weepage present?
   a. Yes>>> Proceed to Step 5.
   b. No>>> Repair Complete.
5. Using tool TMUSM8A and appropriate length extension, verify the OFA to engine block fasteners are torqued to 108 in.lbs.(12 Nm). Tighten the fasteners if necessary.

NOTE: Tool TMUSM8A(or equivalent) is required to obtain proper torque when checking OFA fastener torque with the cooler installed on engine.

6. Verify the oil cooler to OFA fasteners are torqued to 108 in.lbs.(12 Nm.). Tighten the fasteners if necessary.
7. Using a clean shop towel, remove any residual oil from the leak points noted in Step 4.
8. Start engine again and allow to idle for approximately 15 minutes.
9. Using a black light, inspect the mating areas between the oil cooler and OFA and between the OFA and engine block. Were any signs of weepage present?
   a. Yes>>> Proceed to Step 10.
   b. No>>> Repair Complete.
10. Remove the oil filter drip tray from the frame crossmember.
11. Remove the oil cooler to OFA fasteners and separate the cooler from the OFA.
12. Replace the o-rings.
13. Were any signs of weepage noted between the OFA and the engine block in Step 9?
    a. Yes>>> Proceed to Step 14.
    b. No>>> Proceed to Step 22.
14. Using clamping pliers, clamp off both the inlet and outlet coolant hoses near the OFA connections.
15. Remove both coolant hoses from the OFA.
16. Disconnect the oil temperature sensor connector.
17. Remove the OFA to engine block fasteners and separate the OFA from the block.
18. Replace the o-rings.
19. Reinstall the OFA assembly on the engine block. Torque fasteners to 108 in.lbs.(12 Nm).

NOTE: Ensure both o-rings remain in position before installing fasteners. Utilize an inspection mirror if necessary.

20. Reinstall both coolant hoses to the OFA connections.
21. Reconnect the oil temperature sensor connector.
22. Reinstall the oil cooler on the OFA. Torque fasteners to 108 in.lbs.(12 Nm).

NOTE: Ensure all four o-rings remain in position before installing fasteners.

23. Reinstall engine oil filter drip tray.

24. Verify proper engine coolant level.
25. Verify proper engine oil level.

POLICY:
Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
09-55-03-90	OFA/Oil Cooler - Inspect for weepage only (0 - Intro)	1- Engine Repair	0.5 Hrs.
09-55-03-91	OFA/Oil Cooler - Inspect for weepage and retorque fasteners only (0 - Intro)	1- Engine Repair	0.9 Hrs.
09-55-03-92	OFA/Oil Cooler - Inspect for weepage and replace oil cooler o-rings only (0 - Intro)	1- Engine Repair	1.3 Hrs.
09-55-03-93	OFA/Oil Cooler - Inspect for weepage and replace OFA and oil cooler o-rings (0 - Intro)	1- Engine Repair	1.9 Hrs.

FAILURE CODE:

ZZ	Service Action