



**NUMBER:** 09-004-21

**GROUP:** 09 - Engine

**DATE:** May 27, 2021

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**This Technical Service Bulletin has also been released as a Rapid Response Transmittal (RRT) 21-066, date of issue May 27, 2021. All applicable Sold and Un-Sold RRT VINs have been loaded. To verify this RRT service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RRT will expire 18 months after the date of issue.**

**SUBJECT:**

Oil Control Valve Connector Not Seated

**OVERVIEW:**

This bulletin involves inspecting the oil control valve connector and possibly seating the connector.

**MODELS:**

2021 (DX) RAM Truck (Mexico)

**NOTE:** This bulletin applies to vehicles within the following markets/countries: North America.

**NOTE:** This bulletin applies to vehicles built on or after January 11, 2021 (MDH 0111XX) on or before January 15, 2021 (MDH 0115XX) equipped with 5.7L V8 Hemi VVT Engine (Sales Code EZC).

**SYMPTOM/CONDITION:**

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following Diagnostic Trouble Code (DTC) has been set:

- P0013 - Bank 1 Camshaft 2 Position Actuator Circuit Open.

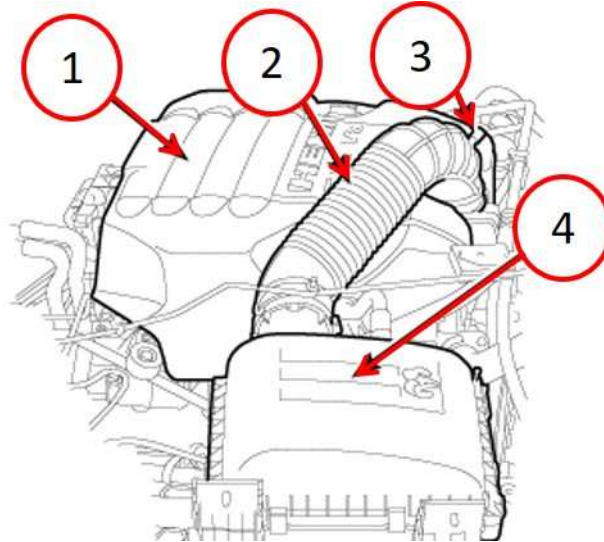
**DIAGNOSIS:**

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the technician finds the DTC, perform the Repair Procedure. **This RRT only applies to vehicles on the RRT VIN list.**

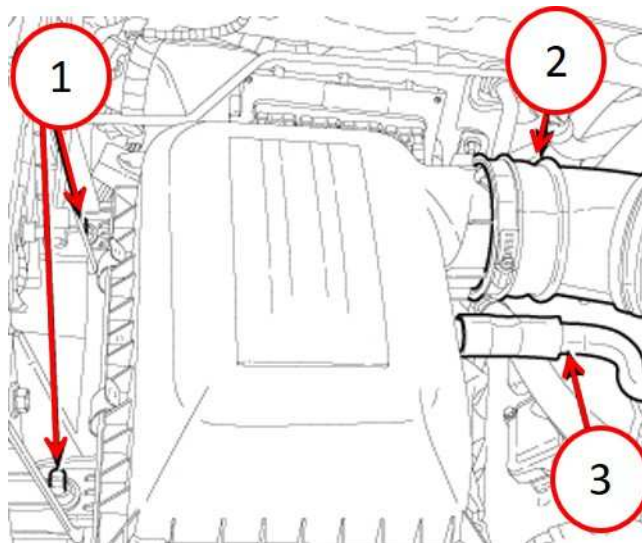
**REPAIR PROCEDURE:**

1. Open the hood.
2. Disconnect and isolate the negative battery cable.
3. Disconnect the Intake Air Temperature (IAT) sensor electrical connector.
4. Remove the clean air tube from the throttle body (Fig. 1) .

**Fig. 1****Air Cleaner Housing And Engine Cover**

- 1 - Engine Cover
  - 2 - Clean Air Tube
  - 3 - IAT Sensor Connector
  - 4 - Air Cleaner Housing
- 

5. Disconnect the make up air hose.
6. Remove the air cleaner housing (Fig. 2) .

**Fig. 2****Grommets And Hoses**

- 1 - Grommets
  - 2 - Clean Air Tube
  - 3 - Make Up Air Hose
-

7. Remove the engine cover (Fig. 1) by lifting up the front of the cover and separate it from the front grommets and the ball studs on the intake manifold.
8. Using a pick tool (Fig. 3) or equivalent and a light source, look under the intake manifold to check that the oil control valve connector red secondary lock is engaged (Fig. 4) .



Fig. 3  
Pick Tool



Fig. 4  
Oil Control Valve Connector Red Secondary Lock

9. Is the oil control valve connector red secondary lock (Fig. 4) engaged?
  - YES>>> Proceed to Step 11.
  - NO>>> Proceed to Step 10.
10. Using a pick tool (Fig. 3) or equivalent, perform a **push/pull/push test** on the connector and seat the red secondary connector lock (Fig. 4) .
11. Install the engine cover.
12. Push the air cleaner housing assembly straight downward to engage it on the grommets (Fig. 2) .
13. Connect the make up air hose (Fig. 2) on the air cleaner housing.
14. Install the clean air tube on the throttle body.
15. Connect the IAT sensor electrical connector.
16. Connect the negative battery cable.
17. Clear all DTCs that may have been set.
18. Close the hood.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

| Labor Operation No: | Description                                                 | Skill Category                    | Amount   |
|---------------------|-------------------------------------------------------------|-----------------------------------|----------|
| 08-30-19-90         | Inspect and/or Engage Electrical Connector<br>(2 - Skilled) | 1 - Engine Repair and Performance | 0.2 Hrs. |

**FAILURE CODE:**

|    |                |
|----|----------------|
| ZZ | Service Action |
|----|----------------|