

## Technical Service Bulletin (TSB)

### Throttle Blade Icing Service Fix

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |                   |                                                                                                                                                                                                                               |   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| REFERENCE:         | TSB: 09-023-23<br>GROUP: 09 - Engine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Date: | November 28, 2023 | REVISION:                                                                                                                                                                                                                     | – |
| VEHICLES AFFECTED: | 2013 - 2023 (DS) RAM 1500 Pickup<br>This bulletin applies to vehicles equipped with a 3.6L V6 24V VVT Engine (Sales Code ERB).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                   | MARKET APPLICABILITY:<br><div><input checked="" type="checkbox"/> NA<input type="checkbox"/> MEA<br/><input type="checkbox"/> SA<input type="checkbox"/> IAP<br/><input type="checkbox"/> EE<input type="checkbox"/> CH</div> |   |
| CUSTOMER SYMPTOM:  | Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that one or more of the following Diagnostic Trouble Codes (DTCs) have been set: <ul style="list-style-type: none"><li>P2072 - Electronic Throttle Control System - Ice Blockage.</li><li>P2110 - Electronic Throttle Control - Forced Limited RPM.</li><li>P2118 - Electronic Throttle Control Motor Current Performance - Bank 1.</li></ul> The customer may also comment on the following: <ul style="list-style-type: none"><li>The vehicle may not start (below freezing conditions - typically -7 °C (-20 °F))</li></ul> |       |                   |                                                                                                                                                                                                                               |   |
| CAUSE:             | Throttle body blade icing up.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                   |                                                                                                                                                                                                                               |   |

#### REPAIR SUMMARY:

This bulletin involves removing the PCV valve and hose to dry out, drying out the throttle body and installing an updated make-up air hose, air cleaner lid and changing the oil.

#### CLAIMS DATA:

| Labor Operation No: | Labor Description                                                                                                                 | Skill Category | Labor Time |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------|------------|
| 09-20-20-94         | Clean PCV and Throttle Body, Install Throttle Blade De-Icing Service Kit Includes Engine Oil Change and Filter (0 - Introduction) | 09 - Engine    | 1.0 Hrs.   |
| Failure Code        | ZZ                                                                                                                                | Service Action |            |

#### SPARE PARTS:

| Qty | Part No.   | Description         | Notes                                                                   |
|-----|------------|---------------------|-------------------------------------------------------------------------|
| 1   | 68631360AA | Throttle Freeze Kit | Includes: Updated Air Cleaner Cover, Make-Up Air Hose Assy and AIS Plug |
| 1   | 68191349AC | Oil Filter          |                                                                         |

| Qty  | Part No.   | Description | Notes        |
|------|------------|-------------|--------------|
| 6    | 68518202AA | Oil         | 5W20 - quart |
| (AR) | 68441763AA | Air Filter  |              |

### 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 customer describes any of the symptom listed above in the customer symptom section, perform the Repair Procedure.

### SPECIAL TOOLS/EQUIPMENT:

| Description          | Ref. No. | Notes |
|----------------------|----------|-------|
| wiTECH or Equivalent | —        | —     |

### REPAIR PROCEDURE:

**NOTE: Check the air filter when performing this Repair Procedure.**

1. Warm the vehicle indoors.
2. Remove the air cleaner resonator, clean out and dry any water or ice. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>09 - Engine, 3.6L / Air Intake System / Resonator, Air Cleaner / Removal.

**NOTE: It is not necessary to remove the throttle body from the engine.**

3. Clean out and dry, any water or ice from the throttle body [Fig. 1](#).



**Fig. 1**  
Iced Throttle Body

4. Install the air cleaner resonator. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>09 - Engine, 3.6L / Air Intake System / Resonator, Air Cleaner / Installation.
5. Remove the Positive Crankcase Ventilation (PCV) valve, hose and clean out any water or ice. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>25 - Emissions Control / Crankcase Ventilation / Valve, Positive Crankcase Ventilation (PCV) / Removal.

6. Install the Positive Crankcase Ventilation (PCV) valve and hose. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>25 - Emissions Control / Crankcase Ventilation / Valve, Positive Crankcase Ventilation (PCV) / Installation.
7. Remove and discard the old make-up air hose and air cleaner lid, replacing these parts with the kit parts.
8. Change the engine oil and filter. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>09 - Engine, 3.6L / Lubrication / Oil / Standard Procedure.
9. Clear all DTCs that may have been set.

**POLICY:**

Reimbursable within the provisions of the warranty.

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