

## Technical Service Bulletin (TSB)

### Loose Charge Air Cooler Case Crimp

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |               |                                                                                                                                                                                                                                                                                                                |   |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| REFERENCE:         | TSB: 09-017-25<br>GROUP: 09 - Engine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Date: | July 11, 2025 | REVISION:                                                                                                                                                                                                                                                                                                      | — |
| VEHICLES AFFECTED: | 2025 (DT) RAM 1500 Pickup<br>This bulletin applies to vehicles built on and after March 21, 2025 (MDH 0321XX) and on or before April 15, 2025 (MDH 0415XX) equipped with 3.0L I6 Hurricane SO Twin Turbo ESS (Sales Code EFH).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |               | MARKET APPLICABILITY:<br><div><input checked="" type="checkbox"/> NA<input type="checkbox"/> MEA</div> <div><input type="checkbox"/> EE<input type="checkbox"/> IAP</div> <div><input type="checkbox"/> SA<input type="checkbox"/> CH</div><br><b>NOTE:</b> This bulletin applies to the North America market. |   |
| CUSTOMER SYMPTOM:  | Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set one or more of the following Diagnostic Trouble Codes (DTCs): <ul style="list-style-type: none"><li>• P219C-00 - Cylinder 1 Air-fuel Ratio Imbalance.</li><li>• P219D-00 - Cylinder 2 Air-fuel Ratio Imbalance.</li><li>• P219F-00 - Cylinder 4 Air-fuel Ratio Imbalance.</li><li>• P21A0-00 - Cylinder 5 Air-fuel Ratio Imbalance.</li><li>• P21A1-00 - Cylinder 6 Air-fuel Ratio Imbalance.</li></ul> Customers may experience one or more of the following: <ul style="list-style-type: none"><li>• Audible whistle type noise heard from the engine area.</li><li>• Reduced boost to performance.</li></ul> |       |               |                                                                                                                                                                                                                                                                                                                |   |
| CAUSE:             | Manufacturing issue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |               |                                                                                                                                                                                                                                                                                                                |   |

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 25-131, date of issue July 11, 2025. All applicable RSU VINs have been loaded. To verify this RSU 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.

#### REPAIR SUMMARY:

This bulletin involves inspecting for a crimp in the Charge Air Cooler case and possibly replacing the Charge Air Cooler.

**CLAIMS DATA:**

| Labor Operation No: | Labor Description                                                         | Skill Category                       | Labor Time |
|---------------------|---------------------------------------------------------------------------|--------------------------------------|------------|
| 07-58-10-93         | Cooler, Charge Air -<br>Inspect for Proper Case<br>Crimp<br>(2 - Skilled) | 1 - Engine Repair and<br>Performance | 0.4 Hrs.   |
| 07-58-10-94         | Cooler, Charge Air -<br>Inspect and Replace<br>(2 - Skilled)              | 1 - Engine Repair and<br>Performance | 1.4 Hrs.   |
| Failure Code        | ZY                                                                        | Service Action                       |            |

**RELATED LOPS:**

| Labor Operation No: | Labor Description                                           | Skill Category                       | Labor Time |
|---------------------|-------------------------------------------------------------|--------------------------------------|------------|
| 07-FF-01-50         | Engine Coolant, Drain<br>and Fill<br>(2 - Skilled)          | 1 - Engine Repair and<br>Performance | 0.3 Hrs.   |
| 07-FF-02-50         | Low Temperature<br>Coolant, Drain and Fill<br>(2 - Skilled) | 1 - Engine Repair and<br>Performance | 0.3 Hrs.   |

**SPARE PARTS:**

| Qty    | Part No.   | Description       | Notes |
|--------|------------|-------------------|-------|
| 1 (AR) | 68359210AE | Charge Air Cooler |       |

**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 DTC 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 a customers VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits 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:**

1. Raise the vehicle on the hoist. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: 04 - Vehicle Quick Reference / Hoisting / Standard Procedure.
2. Inspect the crimp on the Charge Air Cooler Case [Fig. 1](#).



**Fig. 1**  
Charge Air Cooler Case Crimp

- 1 - Charge Air Cooler Case Location
- 2 - Charge Air Cooler Case Crimp Correct Condition
- 3 - Charge Air Cooler Case Crimp Incorrect Condition

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3. Is the Charge Air Cooler Case crimp visible and/or able to be felt by hand?
    - YES>>> Proceed to [Step 4](#).
    - NO>>> This RSU does not apply. Use Inspect LOP (07-58-10-93) to close this active RSU.
  4. Drain the engine coolant. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: 09 - Engine, 3.0L GMET6 / Cooling System / Engine Cooling / Standard Procedure.
  5. Drain the low temperature coolant. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: 09 - Engine, 3.0L GMET6 / Cooling System / Low Temperature Cooling System / Standard Procedure.
  6. Replace the Charge Air Cooler. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: 09 - Engine, 3.0L GMET6 / Turbocharger System / Cooler and Hoses, Charge Air / Removal and Installation.
  7. Fill the engine coolant. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: 09 - Engine, 3.0L GMET6 / Cooling System / Engine Cooling / Standard Procedure.
  8. Fill the low temperature coolant. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: 09 - Engine, 3.0L GMET6 / Cooling System / Low Temperature Cooling System / Standard Procedure.
  9. Clear all DTCs that may have been set in any module due to reprogramming.

## POLICY:

Reimbursable within the provisions of the warranty.

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