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|---------------------------|--|--------------|--------------|---|------------------|
| REFERENCE: | TSB: 09-006-23 REV. B GROUP 09 - Engine | Date: | May 10, 2023 | REVISION: | 09-006-23 REV. A |
| VEHICLES AFFECTED: | <p>2022 - 2023 (B1) Jeep Renegade 2022 - 2023 (H1) Jeep Commander 2022 - 2023 (M1) Jeep Compass This bulletin applies to vehicles equipped with a 1.3L I4 Turbo Mair DI Eng w/ESS E100 (Sales Code EYJ):</p> <ul style="list-style-type: none"> • M1 built on and after April 28, 2021 (MDH 0428XX) and built on and before **April 22, 2023 (MDH 0422XX)**. • H1 built on and after December 26, 2021 (MDH 1226XX) and built on and before **April 27, 2023 (MDH 0427XX)**. • B1 built on and after January 14, 2022 (MDH 0114XX) and built on and before **April 17, 2023 (MDH 0417XX)**. <p>This bulletin applies to vehicles equipped with a 1.3L I4 Turbo Mair DI Engine w/ESS (Sales Code EYF):</p> <ul style="list-style-type: none"> • M1 built on and after January 29, 2022 (MDH 0129XX) and built on and before **April 19, 2023 (MDH 0419XX)**. • H1 built on and after March 25, 2022 (MDH 0325XX) and built on and before **March 18, 2023 (MDH 0318XX)**. <p>This bulletin applies to B1 vehicles built on and after May 17, 2022 (MDH 0517XX) and built on and before **March 27, 2023 (MDH 0327XX)** equipped with a 1.3L I4 Turbo Mair DI Engine (Sales Code EYH).</p> | | | <p>MARKET APPLICABILITY:</p> <p><input type="checkbox"/> NA <input type="checkbox"/> MEA <input checked="" type="checkbox"/> SA <input type="checkbox"/> IAP <input type="checkbox"/> EE <input type="checkbox"/> CH</p> | |
| CUSTOMER SYMPTOM: | <p>Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that the following Diagnostic Trouble Code (DTC) has been set:</p> <ul style="list-style-type: none"> • P06DD - Engine Oil Pressure Control Circuit Stuck Off. <p>Customers may also comment on the following:</p> <ul style="list-style-type: none"> • Vehicle will not be able to exceed 3,300 RPM (when DTC P06DD is active). | | | | |
| CAUSE: | Oil pump | | | | |

This bulletin supersedes Technical Service Bulletin (TSB) 09-006-23 REV. A, date of issue March 25, 2023, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include updated RSU number, build dates and LOPs.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) ****23-135, date of issue May 10, 2023****. 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. This RSU will expire 18 months after the date of issue.

REPAIR SUMMARY:

This bulletin involves inspecting and if necessary replacing the timing chain cover (oil pump).

CLAIMS DATA:

| Labor Operation No: | Labor Description | Skill Category | Labor Time |
|---------------------|--|-----------------------------------|------------|
| **09-65-01-73 | Pump, Engine Oil - Inspect Only (3 - Highly Skilled) | 1 - Engine Repair and Performance | 0.2 Hrs.** |
| 09-65-01-71 | Pump, Oil / Timing Cover - Inspect and Replace (FWD Models Only) (3 - Highly Skilled) | 1 - Engine Repair and Performance | 4.0 Hrs. |
| 09-65-01-72 | Pump, Oil / Timing Cover - Inspect and Replace (AWD Models Only) (3 - Highly Skilled) | 1 - Engine Repair and Performance | 4.3 Hrs. |
| Failure Code | ZZ | Service Action | |

SPARE PARTS:

| Qty | Part No. | Description | Notes |
|--------|--|--------------------------------|--|
| 1 (AR) | 68599165AA - Mopar 46350298 - South America | Cover, Timing Chain (Oil Pump) | |
| 1 (AR) | 68440255AA - Mopar 55282221 - South America | Bolt, Vibration Damper | |
| 1 (AR) | 68576846AA - Mopar 46347605 - South America | Filter, Oil | |
| 6 (AR) | 68626280AA - Mopar 7092691 - South America | RTV, Sealer | Reimbursement for each 5 grams / 0.2 oz. |
| (AR) | 68626281AA - Mopar 50040500 - South America 7092803 - Brazil | Coolant, Engine | Reimbursement for each 100 ml / 0.1 qt. |
| (AR) | 68608372AA - Mopar 50035647 - South America 7092779 - Brazil | Oil, Engine | Reimbursement for each 100 ml / 0.1 qt. |

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 a customer's 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 symptoms listed above in the customer symptom section, perform the Repair Procedure.

REPAIR PROCEDURE:

1. Using wiTECH check if DTC P06DD is set in the Powertrain Control Module (PCM).
2. Was DTC P06DD found in the PCM?
 - YES>>> Replace the timing chain cover. Proceed to [Step 6](#).
 - NO>>> Proceed to [Step 3](#).
3. Start the engine at let it run at idle until the engine oil temperature reaches more than 85° C (185° F).
4. Create a graph of “DSOP LO RAT FAIL TMR” and review the value. **If it shows anything but “0”, the timing cover needs to be replaced (Fig. 1) .**

NOTE: The “DSOP LO RAT FAIL TMR” value can change in less than 20 seconds, then the oil pump (timing chain) is faulty and will need to be replaced.



Fig. 1

Graph Showing Correct And Not Correct Values

5. Did the “DSOP LO RAT FAIL TMR” value read anything but “0”?
 - YES>>> Create a screen shot of the graph showing values other than “0” and attach it to the work order. Proceed to [Step 6](#).
 - NO>>> If the value always shows “0” and DTC P06DD was not found, this bulletin has been completed. Use Inspection LOP (09-65-01-73) to close the active RSU.
6. Replace the timing chain cover. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: 09 - Engine, 1.3L I4 16V Multi Air Turbo / Valve Timing / Cover(s), Engine Timing / Removal and Installation.
7. Using wiTECH clear any DTCs that may have been set.

POLICY:

Reimbursable within the provisions of the warranty.

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