

 PARTS & SERVICES		Technical Service Bulletin (TSB) Low Oil Pressure			
REFERENCE:	TSB: 09-008-22 REV. D GROUP: 09 - Engine	Date:	October 28, 2023	REVISION:	09-006-23 REV. C
VEHICLES AFFECTED:	2022 - 2024 (B1) Jeep Renegade 2022 - 2024 (H1) Jeep Commander 2022 - 2024 (M1) Jeep Compass This bulletin applies to vehicles equipped with a 1.3L I4 Turbo Mair DI Eng w/ESS E100 (Sales Code EYJ): • **M1 built on and after April 28, 2021 (MDH 0428XX) and built on and before August 29, 2023 (MDH 0829XX). • H1 built on and after December 26, 2021 (MDH 1226XX) and built on and before August 29, 2023 (MDH 0829XX). • B1 built on and after January 14, 2022 (MDH 0114XX) and built on and before August 29, 2023 (MDH 0829XX). This bulletin applies to vehicles equipped with a 1.3L I4 Turbo Mair DI Engine w/ESS (Sales Code EYF): • **M1 built on and after January 29, 2022 (MDH 0129XX) and built on and before August 29, 2023 (MDH 0829XX). • H1 built on and after March 25, 2022 (MDH 0325XX) and built on and before August 29, 2023 (MDH 0829XX). This bulletin applies to B1 vehicles built on and after May 17, 2022 (MDH 0517XX) and built on and before August 29, 2023 (MDH 0829XX) equipped with a 1.3L I4 Turbo Mair DI Engine (Sales Code EYH).**			MARKET APPLICABILITY: ☒ NA ☐ MEA ☐ EE ☐ IAP ☒ SA ☐ CH	
CUSTOMER SYMPTOM:	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: • P06DD - Engine Oil Pressure Control Circuit Stuck Off. Customers may also comment on the following: • 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. C, date of issue July 22, 2023, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include updated RSU number, repair procedure steps, build dates and LOP.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) ****23-299**, date of issue October 28, 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
**09-65-01-94	Pump, Engine Oil - Inspect Only (3 - Highly Skilled)	1 - Engine Repair and Performance	0.2 Hrs.
09-65-01-95	Pump, Oil / Timing Cover - Inspect and Replace (FWD Models Only) (3 - Highly Skilled)	1 - Engine Repair and Performance	4.0 Hrs.
09-65-01-96	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.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—

REPAIR PROCEDURE:

- Using wiTECH check if DTC P06DD is set in the Powertrain Control Module (PCM).
- Was DTC P06DD found in the PCM?
 - YES>>> Replace the timing chain cover. Proceed to [Step 6](#).
 - NO>>> Proceed to [Step 3](#).
- **Start the engine at let it run at idle until the engine oil temperature reaches more than 100°C (212° F). Monitor for five seconds.
- Create a graph with “DSOP LO RAT FAIL TMR” and Oil Pressure (kPa) and review the value. If oil pressure is below 110 kPa, and or If “DSOP LO RAT FAIL TMR” 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.

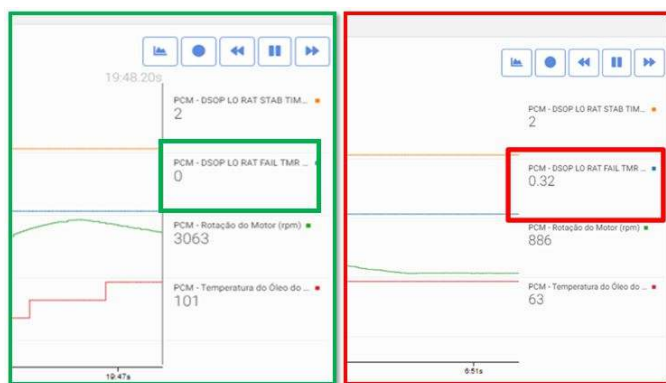


Fig. 1

Graph Showing Correct And Not Correct Values

- **Did the “Oil Pressure” value read is less than 110 kPa and/or “DSOP LO RAT FAIL TMR” value read anything but “0”?
- YES>>> Create a screen shot of the graph showing values and attach it to the work order. Proceed to [Step 6](#).
- NO>>> “Oil Pressure” value read is greater than 110 kPa and/or if the value always shows “0” and DTC P06DD was not found, this bulletin has been completed. Use Inspection LOP (09-65-01-74) to close the active RSU.**
- 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.
- Using wiTECH clear any DTCs that may have been set.

POLICY:

Reimbursable within the provisions of the warranty.

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