



**NUMBER:** 09-002-21

**GROUP:** 09 - Engine

**DATE:** February 4, 2021

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**This bulletin supersedes Technical Service Bulletin (TSB) 09-008-16, date of issue June 14, 2016, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and include updated LOPs.**

**This Technical Service Bulletin (TSB) has also been released as a Rapid Response Transmittal (RRT) 16-051, date of issue June 14, 2016. All applicable 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:**

2.0L or 2.4L Engine Replacement

**OVERVIEW:**

This bulletin involves replacing the long block due to a crankshaft imbalance condition.

**MODELS:**

|      |      |                      |
|------|------|----------------------|
| 2016 | (BU) | Jeep Renegade        |
| 2016 | (FB) | Fiat 500X            |
| 2016 | (KL) | Jeep Cherokee        |
| 2016 | (MK) | Jeep Compass/Patriot |
| 2016 | (PF) | Dodge Dart           |

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

**NOTE:** This bulletin applies to the following vehicles:

- BU & FB vehicles equipped with a 2.4L I4 Multiair Engine (Sales Code ED6) built on or after December 05, 2015 (MDH 1205XX) and on or before January 31, 2016 (MDH 0131XX).
- KL vehicles equipped with a 2.4L I4 Multiair Engine (Sales Code ED6) built on October 13, 2015 (MDH 1013XX).
- PF vehicles equipped with a 2.4L I4 Multiair Engine (Sales Code ED6) built on or after January 14, 2016 (MDH 0114XX) and on or before January 15, 2016 (MDH 0115XX).
- MK vehicles equipped with a 2.0L I4 DOHC 16V Dual VVT Engine (Sales Code ECN) built on or after September 17, 2015 (MDH 0917XX) and on or before September 25, 2015 (MDH 0925XX).

**SYMPTOM/CONDITION:**

These vehicles may exhibit a vibration in the engine.

**DIAGNOSIS:**

If a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. For all other customers that describe the symptom/condition listed, perform normal diagnostics.

**PARTS REQUIRED:**

| Qty. | Part No.                          | Description |
|------|-----------------------------------|-------------|
| 1    | Contact Powertrain Service Center | Long Block  |

**REPAIR PROCEDURE:**

Replace the long block assembly. Contact Powertrain Service Center for replacement engine assembly and refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 09 - Engine, 2.0L World/Removal/Installation (Sales Code ECN) or Service Info> 09 - Engine, 2.4L Multiair/Removal and Installation (Sales Code ED6).

**POLICY:**

Reimbursable within the provisions of the warranty. Pre-Authorization process applies to repairs completed for this concern.

**TIME ALLOWANCE:**

| Labor Operation No: | Description                                                                             | Skill Category                    | Amount     |
|---------------------|-----------------------------------------------------------------------------------------|-----------------------------------|------------|
| 09-01-70-94         | 2.0L Long Block - Replace<br>(Sales Code ECN)<br>MK Vehicles<br>(3 - Highly Skilled)    | 1 - Engine Repair and Performance | 7.8 Hrs.   |
| **09-01-70-95       | 2.4L Long Block - Replace<br>(Sales Code ED6)<br>FB/BU Vehicles<br>(3 - Highly Skilled) | 1 - Engine Repair and Performance | 7.6 Hrs.** |
| 09-01-70-95         | 2.4L Long Block - Replace<br>(Sales Code ED6)<br>KL Vehicles<br>(3 - Highly Skilled)    | 1 - Engine Repair and Performance | 11.4 Hrs.  |
| 09-01-70-95         | 2.4L Long Block - Replace<br>(Sales Code ED6)<br>PF Vehicles<br>(3 - Highly Skilled)    | 1 - Engine Repair and Performance | 10.1 Hrs.  |

**RELATED LOPS:**

| Labor Operation No: | Description                                                                                       | Skill Category                       | Amount     |
|---------------------|---------------------------------------------------------------------------------------------------|--------------------------------------|------------|
| **09-01-70-51       | A/C Equipped<br>BU/FB Vehicles<br>(3 - Highly Skilled)                                            | 1 - Engine Repair<br>and Performance | 0.9 Hrs.   |
| 09-01-70-6C         | AWD Equipped<br>(Sales Code ED6)<br>BU/FB Vehicles<br>(3 - Highly Skilled)                        | 1 - Engine Repair<br>and Performance | 0.4 Hrs.** |
| 09-01-70-6C         | AWD Equipped<br>(Sales Code ECN)<br>MK Vehicles<br>(3 - Highly Skilled)                           | 1 - Engine Repair<br>and Performance | 0.9 Hrs.   |
| 09-01-70-6C         | AWD Equipped<br>(Sales Code ED6)<br>KL Vehicles<br>(3 - Highly Skilled)                           | 1 - Engine Repair<br>and Performance | 1.2 Hrs.   |
| 09-01-70-6D         | Manual Transmission Equipped<br>(Sales Code ED6)<br>PF Vehicles<br>(3 - Highly Skilled)           | 1 - Engine Repair<br>and Performance | 0.6 Hrs.   |
| 09-01-70-6D         | Manual Transmission Equipped<br>(Sales Code ECN)<br>MK Vehicles<br>(3 - Highly Skilled)           | 1 - Engine Repair<br>and Performance | 0.3 Hrs.   |
| 09-01-70-50         | Set Toe Adjustment / Steering Wheel<br>Center<br>(Sales Code ED6)<br>KL Vehicles<br>(2 - Skilled) | 4 - Chassis Sys-<br>tems             | 0.5 Hrs.   |

**FAILURE CODE:**

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