



NUMBER: 09-002-14

GROUP: Engine

DATE: June 10, 2014

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SUBJECT:

MIL Illumination: P0300, P0302, P0304 or P0306 (X56 Warranty Extension)

OVERVIEW:

This bulletin involves checking for excessive cylinder leakage and replacing the cylinder head if necessary.

MODELS:

| | | |
|-------------|------|------------------------------|
| 2013 | (DS) | Ram 1500 |
| 2011 - 2013 | (JC) | Journey |
| 2012 - 2013 | (JK) | Wrangler |
| 2011 - 2013 | (JS) | 200/Avenger |
| 2011 - 2013 | (LC) | Challenger |
| 2011 - 2013 | (LD) | Charger |
| 2011 - 2013 | (LX) | 300 |
| 2011 - 2013 | (RT) | Grand Caravan/Town & Country |
| 2011 - 2013 | (WD) | Durango |
| 2011 - 2013 | (WK) | Grand Cherokee |

NOTE: This Extended Warranty Bulletin applies to vehicles equipped with a 3.6L engine (sales code ERB) built on or before July 25, 2012 (MDH 0725XX).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the Technician may find that the following Diagnostic Trouble Codes have been set:

- P0300- Multiple Cylinder Misfire
- P0302- Cylinder 2 Misfire
- P0304- Cylinder 4 Misfire
- P0306- Cylinder 6 Misfire

DIAGNOSIS:

If the customer experiences the symptom/condition, proceed to the repair procedure.

PARTS REQUIRED:

| Qty. | Part No. | Description |
|------|------------|-----------------------|
| (1) | RL141353AC | Cylinder Head |
| (1) | 05184455AI | Gasket, Cylinder Head |
| (1) | 68082860AA | RTV, Threebond Engine |
| (1) | 68079744AC | Filter, Engine Oil |
| (AR) | 04761838AD | Oil, Engine |

REPAIR PROCEDURE:

1. Perform a cylinder leakage test on the cylinders exhibiting the misfire DTC. Follow the detailed service procedures available in DealerCONNECT/TechCONNECT, Refer To Group 9 - Engine, 3.6L> Diagnosis and Testing> Cylinder Leakage Test.
2. Do any of the cylinders exhibit leakage of 25% or greater?
 - a. If Yes>>> Proceed to Step 3.
 - b. If No>>> This bulletin does not apply. Proceed with normal diagnostic procedures.
3. Replace the left cylinder head. Follow the detailed service procedures available in DealerCONNECT/TechCONNECT, Refer To Group 9 - Engine, 3.6L> Cylinder Head> Removal/Installation.

POLICY:

Reimbursable within the provisions of the warranty.

NOTE: Vehicles included in this Service Bulletin have extended warranty coverage for this repair. See Warranty Bulletins; U.S. D-14-22, Canada SAB-2014-11, International ID-14-03, Puerto Rico/Virgin Islands ID-14-04 or Mexico BG-22-14 for details associated with the extended warranty.

TIME ALLOWANCE:

| Labor Operation No: | Description | Skill Category | Amount |
|---------------------|--|-------------------|----------|
| 09-35-09-90 | Compression and Leak Down Test (3 - Highly Skilled) | 1 - Engine Repair | 1.0 Hrs. |
| 09-35-03-93 | Head, Cylinder Assembly - Replace Left/Front Side Only (3 - Highly Skilled) LC/LD/LX | 1 - Engine Repair | 7.4 Hrs. |
| 09-35-03-93 | Head, Cylinder Assembly - Replace Left/Front Side Only (3 - Highly Skilled) WD/WK | 1 - Engine Repair | 7.9 Hrs. |
| 09-35-03-93 | Head, Cylinder Assembly - Replace Left/Front Side Only (3 - Highly Skilled) JK | 1 - Engine Repair | 8.2 Hrs. |
| 09-35-03-93 | Head, Cylinder Assembly - Replace Left/Front Side Only (3 - Highly Skilled) JS/RT | 1 - Engine Repair | 9.0 Hrs. |
| 09-35-03-93 | Head, Cylinder Assembly - Replace Left/Front Side Only (3 - Highly Skilled) JC | 1 - Engine Repair | 9.4 Hrs. |

| | | | |
|---------------------------|---|-------------------|---------------|
| 09-35-03-93 | Head, Cylinder Assembly - Replace Left/Front Side Only (3 - Highly Skilled) DS | 1 - Engine Repair | 10.3 Hrs. |
| Opt. Operation No: | Description | | Amount |
| 09-35-03-94 | 4X4/AWD Equipped LD/LX | 1 - Engine Repair | 0.8 Hrs. |
| 09-35-03-94 | 4X4/AWD Equipped WD/WK | 1 - Engine Repair | 1.6 Hrs. |
| 09-35-03-94 | 4X4/AWD Equipped DS | 1 - Engine Repair | 1.5 Hrs. |
| 09-35-03-95 | Rear A/C Equipped JC | 1 - Engine Repair | 0.2 Hrs. |
| 09-35-03-96 | Air Suspension Equipped WK | 1 - Engine Repair | 0.3 Hrs. |

FAILURE CODE:

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