THIS BULLETIN SUPERSEDES SERVICE BULLETIN 09-002-14 REV. A, DATED OCTOBER 3, 2014, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**.

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:

- 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).

SYMPTOM/CONDITION:
Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the Technician may find that any 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:**

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>RL141353AC</td>
<td>Cylinder Head</td>
</tr>
<tr>
<td>(1)</td>
<td>05184455AI</td>
<td>Gasket, Cylinder Head</td>
</tr>
<tr>
<td>(6)</td>
<td>05184562AC</td>
<td>Seal, Intake Plenum</td>
</tr>
<tr>
<td>(6)</td>
<td>05184331AC</td>
<td>Seal, Intake Manifold</td>
</tr>
<tr>
<td><strong>(1)</strong></td>
<td>5184595AE</td>
<td>Gasket, Cylinder Head Cover, Right (As Required)**</td>
</tr>
<tr>
<td><strong>(1)</strong></td>
<td>5184596AE</td>
<td>Gasket, Cylinder Head Cover, Left (As Required)**</td>
</tr>
<tr>
<td><strong>(1)</strong></td>
<td>68078604AA</td>
<td>Gasket Kit, Chain Case Cover**</td>
</tr>
<tr>
<td>(1)</td>
<td>68082860AA</td>
<td>RTV, Threebond Engine</td>
</tr>
<tr>
<td>(1)</td>
<td>68079744AC</td>
<td>Filter, Engine Oil</td>
</tr>
<tr>
<td>(AR)</td>
<td>04761838AD</td>
<td>Oil, Engine</td>
</tr>
</tbody>
</table>

**REPAIR PROCEDURE:**

1. Perform a cylinder leakage test on cylinders 2, 4 and 6. 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.

**NOTE:** Record all cylinder leakage test results on the Repair Order.

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-14-12, 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:

<table>
<thead>
<tr>
<th>Labor Operation No:</th>
<th>Description</th>
<th>Skill Category</th>
<th>Amount</th>
</tr>
</thead>
</table>
| 09-35-09-90         | Cylinder Leakage Test Only  
(3 - Highly Skilled) | 1 - Engine Repair | 1.0 Hrs. |
| 09-35-03-93         | Head, Cylinder Assembly - Replace Left/Front Side (Includes cylinder leakage test)  
(3 - Highly Skilled) LC/LD/LX | 1 - Engine Repair | 8.2 Hrs. |
| 09-35-03-93         | Head, Cylinder Assembly - Replace Left/Front Side (Includes cylinder leakage test)  
(3 - Highly Skilled) WD/WK | 1 - Engine Repair | 8.7 Hrs. |
| 09-35-03-93         | Head, Cylinder Assembly - Replace Left/Front Side (Includes cylinder leakage test)  
(3 - Highly Skilled) JK | 1 - Engine Repair | 9.0 Hrs. |
| 09-35-03-93         | Head, Cylinder Assembly - Replace Left/Front Side (Includes cylinder leakage test)  
(3 - Highly Skilled) JS/RT | 1 - Engine Repair | 9.8 Hrs. |
| 09-35-03-93         | Head, Cylinder Assembly - Replace Left/Front Side (Includes cylinder leakage test)  
(3 - Highly Skilled) JC | 1 - Engine Repair | 10.2 Hrs. |
| Opt. Operation No:  | Description | Amount |
| 09-35-03-94         | 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. |
| 09-35-03-95         | 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 |