



**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) <b>LC/LD/LX</b>	1 - Engine Repair	7.4 Hrs.
09-35-03-93	Head, Cylinder Assembly - Replace Left/Front Side Only (3 - Highly Skilled) <b>WD/WK</b>	1 - Engine Repair	7.9 Hrs.
09-35-03-93	Head, Cylinder Assembly - Replace Left/Front Side Only (3 - Highly Skilled) <b>JK</b>	1 - Engine Repair	8.2 Hrs.
09-35-03-93	Head, Cylinder Assembly - Replace Left/Front Side Only (3 - Highly Skilled) <b>JS/RT</b>	1 - Engine Repair	9.0 Hrs.
09-35-03-93	Head, Cylinder Assembly - Replace Left/Front Side Only (3 - Highly Skilled) <b>JC</b>	1 - Engine Repair	9.4 Hrs.

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

**FAILURE CODE:**

ZZ	Service Action
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