**NUMBER:** 18-053-15**GROUP:** Vehicle Performance**DATE:** June 25, 2015

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SUBJECT:

Malfunction Indicator Lamp (MIL) Illumination P0344 - Camshaft Position Sensor Intermittent

OVERVIEW:

This bulletin involves inspection and repair of the engine wire harness and replacing the harness retainer tower clip.

MODELS:

2012 - 2015 (JK)

Jeep Wrangler (RHD)

NOTE: This bulletin applies to Right Hand Drive (RHD) vehicles built on or before February 4, 2015 (MDH 0204XX) equipped with the 3.6L engine (Sales Code ERB).

SYMPTOM/CONDITION:

A small number of customers may experience a MIL illumination. Upon further investigation the technician may find Diagnostic Trouble Code (DTC) P0344 - Camshaft Position Sensor Intermittent - Bank 1 Sensor 1 set in the Powertrain Control Module (PCM) memory.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine 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 the customer describes the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	68289129AA	Tower Clip

REPAIR PROCEDURE:

1. Remove the engine cover.
2. Locate the engine wire harness tower clip on the right side of the engine near the camshaft position sensor. See (Fig. 1).

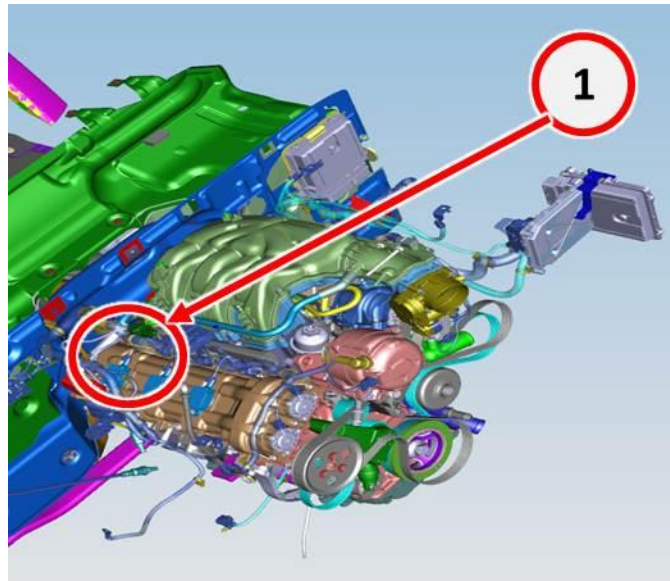


Fig. 1 Underhood Engine View

1 - Engine harness repair location

3. Remove the existing wire harness tower clip and install P/N 68289129AA tower clip in the same location on the wire harness. See (Fig. 2). Engage the tower clip to the cylinder head cover. The new tower clip should be a tighter fit to the cylinder head cover than the removed clip.

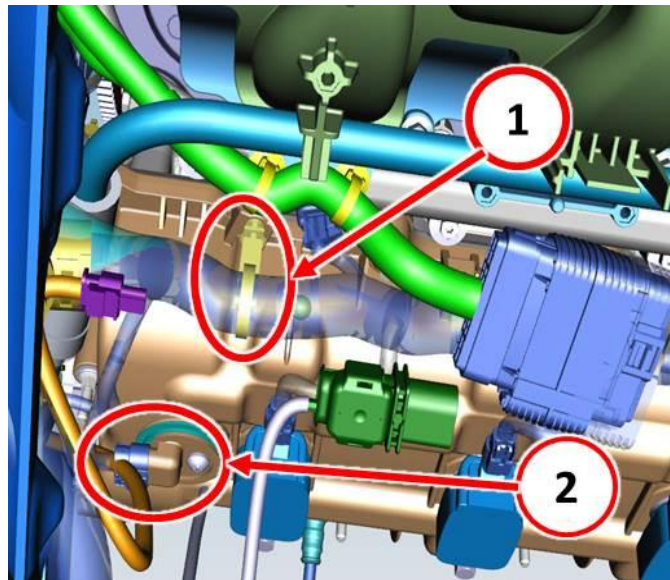


Fig. 2 Engine Wire Harness

1 - Engine harness tower clip

2 - Camshaft Position Sensor (CMP)

- 4. Repair any damaged wiring to the CMP harness near the connector. See (Fig. 3). Refer to detailed repair instructions in DealerConnect/TechConnect Service Information Section 29 - Non-DTC Diagnostics> Circuit Testing Procedures> Standard Procedure> WIRE SPLICING.

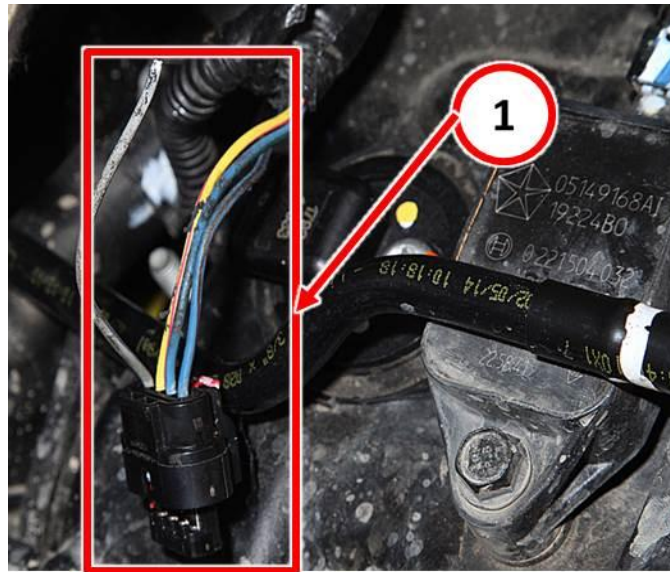


Fig. 3 CMP Sensor Connector

1 - CMP wire harness damage

- 5. Clear all DTCs using wiTECH.
- 6. Reinstall the engine cover.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-94-CC-92	Harness, Engine - Repair and Replace Tower Clip (2 - Skilled)	18 - Vehicle Performance	0.4 Hrs.

FAILURE CODE:

ZZ	Service Action
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