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GROUP: 08 - Electrical

DATE: March 4, 2020

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This bulletin supersedes Service Bulletin 08-132-18 REV. B, dated October 23, 2018, which should be removed from your files. All revisions are highlighted with **asterisks**** and include a new LOP.**

SUBJECT:

2.4L Ignition Coil Boot Replacement

OVERVIEW:

This bulletin involves replacing all four ignition coil insulating boots.

MODELS:

2015-2018	(BU)	Jeep Renegade
2015-2018	(FB)	FIAT 500X
2015-2019	(KL)	Jeep Cherokee
2017-2018	(MP)	Jeep Compass
2017	(M1)	Jeep Compass
2017	(M6)	Jeep Compass
2015-2016	(PF)	Dodge Dart
2015-2017	(UF)	Chrysler 200
2015-2018	(VM)	RAM ProMaster City

NOTE: This bulletin applies to vehicles within the following markets/countries: North America, EMEA, LATAM and APAC.

NOTE: This bulletin applies to KL vehicles built on or before January 06, 2018 (MDH 0116XX), equipped with 2.4L I4 Multiair Engine (Sales Code ED6) or 2.4L I4 Zero EVAP Multiair Engine (Sales Code ED8) or 2.4L I4 Multiair Engine W/ ESS (Sales Code EDD) or 2.4L I4 PZEV M-Air Engine W/ ESS (Sales Code EDE).

NOTE: This bulletin applies to MP vehicles built on or before January 28, 2018 (MDH 0128XX), equipped with 2.4L I4 Multiair Engine (Sales Code ED6) or 2.4L I4 Multiair Engine W/ ESS (Sales Code EDD) or 2.4L I4 PZEV M-Air Engine W/ ESS (Sales Code EDE).

NOTE: This bulletin applies to M1 vehicles equipped with 2.4L I4 Multiair Engine (Sales Code ED6) or 2.4L I4 Multiair Engine W/ ESS (Sales Code EDD).

NOTE: This bulletin applies to M6 vehicles equipped with 2.4L I4 Multiair Engine (Sales Code ED6) or 2.4L I4 Multiair Engine W/ ESS (Sales Code EDD).

NOTE: This bulletin applies to BU, FB, PF and UF vehicles equipped with 2.4L I4 Multiair Engine (Sales Code ED6) or 2.4L I4 Zero EVAP Multiair Engine (Sales Code ED8).

NOTE: This bulletin applies to VM vehicles built on or before February 27, 2018 (MDH 0227XX), equipped with 2.4L I4 Multiair Engine (Sales Code ED6).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that one or more of the following Diagnostic Trouble Codes (DTCs) have been set:

- P0300 - Multiple Cylinder Misfire
- P0301 - Cylinder 1 Misfire.
- P0302 - Cylinder 2 Misfire.
- P0303 - Cylinder 3 Misfire.
- P0304 - Cylinder 4 Misfire.

Some customers may also experience the following condition:

- Rough running engine.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related 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	68420587AA	Ignition Coil Boot Kit
1 (AR)	68364292AA (NAFTA) 68364292GA (Non-NAFTA)	Molykote G-5008 Lubricant (Must use this lubricant specifically)

NOTE: Each tube of P/N 68364292AA (NAFTA) or 68364292GA (Non-NAFTA), Molykote G-5008 Lubricant will service approximately 20 vehicles.

REPAIR PROCEDURE:

1. Clean area around all coils to assure no contaminants fall into plug wells. Remove the ignition coils. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info 08 - Electrical/8I - Ignition Control/Ignition Control/Coil, Ignition/Removal.
2. Remove boot from coil. Boot seat on coil bottom flange should be free of debris. If not, clean surface with clean rag.
3. Use parts cleaner MOPAR (P/N 04318040AC) to prepare the surface of the coil. Use at air temperature and allow to air dry. Apply label to coil side (1 label per part).
4. Ensure spring is inside each new boot.
5. Assemble the boot onto the coil, pushing and turning until fully seated.

NOTE: A light popping sound may occur.

6. Place a small, 360° bead of MOPAR® Molykote G-5008 lubricant along the inside opening of the coil boot, approximately 1 to 2 mm (1/32 to 1/16 in.) from the chamfer edge, but not on the chamfered surface.

CAUTION! Molykote G-5008 lubricant is the only grease that should be used for this repair. The use of other grease may cause damage over time to the ignition coil boots.

7. Reinstall the ignition coils. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info 08 - Electrical/8I - Ignition Control/Ignition Control/Coil, Ignition/Installation.
8. Clear faults and verify repair after all four ignition coil boots are replaced.
9. Start vehicle and let engine run for at least 60 seconds. If the engine runs rough and/or check engine light illuminate, further diagnosis will be required.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-12-02-91	Replace Ignition Coil Boots; Includes Grease and Label Application (0 - Introduction)	1 - Engine Repair and Performance	0.5 Hrs.

FAILURE CODE:

ZZ	Service Action
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PART REIMBURSEMENT DETAIL:

Part No:	Description
68364292AA (NAFTA) 68364292GA (Non-NAFTA)	Mopar Molykote G-5008 Lubricant

NOTE: Mopar P/N 68364292AA (NAFTA) or 68364292GA (Non-NAFTA), Molykote G-5008 Lubricant will need to be claimed for 1/20 of its value or it will be rejected.