



NUMBER: 18-040-08

GROUP: Vehicle Performance

DATE: November 22, 2008

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SUBJECT:

MIL Illumination Diagnostic Trouble Code P0339 - Crankshaft Position Sensor Intermittent Set

OVERVIEW:

This bulletin involves adding a shim to the crank sensor and verifying the condition has been corrected and **only** if necessary, replacing the flexplate.

MODELS:

2009	(LC)	Challenger
2008 - 2009	(LX)	300 / Magnum / Charger
2008 - 2009	(LE)	300C/300 Touring (International Markets)
2008 - 2009	(L2)	300 (China)

NOTE: This bulletin applies to models equipped with a 2.7L or 3.5L engine (sales code EER or EGG) built before October 8, 2008 (MDH 0810XX).

SYMPTOM/CONDITION:

Some customers may complain of MIL illumination. No other symptoms will be noted or experienced. Further investigation by the technician may find DTC P0339 - Crankshaft Position Sensor Intermittent is set. It is possible that DTC's P0300 - Multiple Cylinder Misfire and/or P1128 - Closed Loop Fueling Not Achieved - Bank 1 and/or P1129 - Closed Loop Fueling Not Achieved - Bank 2 could be set along with P0339 - Crankshaft Position Sensor Intermittent is set.

NOTE: P0339 - Crankshaft Position Sensor Intermittent must be set along with the other DTC's. If P0339 - Crankshaft Position Sensor Intermittent is not set then this bulletin does not apply.

DIAGNOSIS:

Using a Scan Tool (StarSCAN®) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. If DTC's other than P0339 with or without P0300, P1128, P1129 are present then record them on the repair order and repair other DTC's first as necessary before proceeding further with this bulletin.



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PARTS REQUIRED:

Qty.	Part No.	Description
AR (1)	68061031AA	Washer .022 (.56mm)
1 (AR)	04736299AC	Flexplate

SPECIAL TOOLS / EQUIPMENT REQUIRED:

NPN	Battery Charger
CH9401	StarSCAN® Tool
CH9404D	StarSCAN® Vehicle Cable
CH9409	StarSCAN® Documentation Kit
	TechCONNECT PC or equivalent

REPAIR PROCEDURE:

1. Start vehicle and warm to normal operating temperature.
2. Remove the crankshaft position sensor. Follow the detailed service procedures available in DealerCONNECT/TECHCONNECT, Refer to 14 - Fuel System / Fuel Injection / SENSOR, Crankshaft Position / Removal.
3. Install washer (p/n 68061031aa) between sensor fastener bushing and transmission.
4. Reinstall the crankshaft position sensor.
5. Drive vehicle and perform 4 wide open throttle 1-2 shifts in the 5,800 RPM range.
6. Connect the StarSCAN to the vehicle and read DTC's.
7. Did DTC P0339 return?
 - a. Yes >>> Refer to [Step #8](#)
 - b. No >>> Repair complete.
8. Replace flexplate. Refer to 09 - Engine, 3.5L or 2.7L/ Engine Block / FLEXPLATE / Removal and Installation.
9. Relearn ETC if necessary.
10. Re-initialize windows (LC models only).

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
08-15-80-90	Shim, Crankshaft Position Sensor (B)	0.7 Hrs.
08-15-80-91	Shim ,Crankshaft Position sensor and Replace flexplate with 42RLE transmission (B)	4.5 Hrs. LX/LE/L2 Bodies 4.1 Hrs. LC Body
08-15-80-92	Shim ,Crankshaft Position sensor and Replace flexplate with Nag1 4x2 Transmission (B)	4.1 Hrs.
08-15-80-93	Shim ,Crankshaft Position sensor and Replace flexplate with Nag1 4x4 Transmission (B)	6.3 Hrs.
08-15-80-94	Optional Equipment - ESP calibrate	0.2 Hrs.

FAILURE CODE:

ZZ	Service Action
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