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Countries:

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Coding Information

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Title: EPA 2010 & 2013 (OBD) MaxxForce DT/9/10 and N9/N10 SCR Calibration Update - Fault Monitor Updates

Applies To: 2010 & 2013 (OBD) MaxxForce DT, 9 & 10 Engine Serial Number 3300000 and up 2014 N9/N10 Engine Serial Numbers 5450000 and up

CHANGE LOG

2014/08/19: Altered faults due to new calibration release. Added N9/N10 SCR fault.
 2014/05/20: Added new SRT information and faults to document. Faults from article IK1201079 have been added to this and IK1201079 has been retired. 2014/09/10: Added additional faults. 2014/10/29: Moved faults around, due to new calibration release on N9/N10. 2014/11/26: Updated sheet to include improvements from OBD monitor updates. 2015/1/14: Updated 2659
 Due to this is fault and observed when ever 2015/1/14 updated 2659 fault for SCR engine

DESCRIPTION

Faults Currently Addressed

Certain **EPA 2010 & 2013 (OBD) Maxxforce DT/9/10 and EPA 2014 N9/N10 SCR** engines may experience service engine lights from the below DTCs. A calibration update has been made to correct erroneous triggering of these fault codes. If units are brought into the dealer specifically for these faults, update the calibration via NETs, Navkal, AutoUpgrade or PocketMaxx (Please check ISIS Calibration Scorecards). Do not diagnose these codes unless the calibration has been updated and they are still active.

NOTE: Please refer to engine calibration history IKnow article for additional information ([IK1201085](#)).

SPN	FMI	ServiceMaxx Description	Notes
4257	16	Multiple Injector High Flow	Monitor update. If calibration is NOT ECR0 (EPA 2013 OBD) or newer, please update. Refer to diagnostic r
3936	20	DPF Feedback adaptation limites reached	Monitor update. If calibration is NOT EER1 (EPA 2013 OBD) or newer, please update.
3387 - 3392	20	Cylinder (#) Balance maximum limit exceeded	Monitor disabled. If calibration is NOT XUR3 (EPA 2010) or newer, please update.
3387 - 3392	21	Cylinder (#) Balance below minimum limit	Monitor disabled. If calibration is NOT XUR3 (EPA 2010) or newer, please update.
3361	2	DEFSP signal erratic, intermittent or incorrect	Monitor update. If calibration is NOT MDR3 (N9/N10 EPA 2014) or newer, please update.
3216	10	NOxIN signal abnormal rate of change	Monitor disabled. If calibration is NOT MDR3 (N9/N10 EPA 2014) or newer, please update.
2630	16	CAC Undercooling	Monitor update. Check for air flow restrictions to the CAC and coolant flow restrictions to ISC/HPCAC (EPA
2659	21	EGR Low Flow Rate	Monitor update in EGR1 (EPA 2013 OBD) and later calibrations. DO NOT REPLACE EGR COOLER. EGR
1173	16	TC2CIT CAC Undercooling	Monitor update. If calibration is NOT MDR3 (N9/N10 EPA 2014) or newer, please update.
931	19	EFP Not Detected on J1939	Monitor disabled. If calibration is NOT XUR1 (EPA 2010) & (EPA 2013 OBD) or newer, please update.
729	18	IAH Monitor fault: Lack of Heat in the Intake Manifold	Monitor update. If calibration is NOT EGR1 (EPA 2013 OBD), NOT MHR1 (EPA 2014 SCR) or newer, pleas
679	5	IPR Open Circuit	Monitor disabled. If calibration is NOT EER1 (EPA 2013 OBD) or newer, please update.
679	3	IPR Coil Short to Power	Monitor disabled. If calibration is NOT XUR1 (EPA 2010) or EER4 (EPA 2013 OBD) or newer, please updat
651 - 656	7	Injector Spool Motion Compensation Max	Monitor update. If calibration is NOT EER1 (EPA 2013 OBD) or newer, please update. Refer to diagnostic r
629	0	ECM CPU Load (>98%)	Monitor disabled. If calibration is NOT EER1 (EPA 2013 OBD) or newer, please update.
609	4	ACM Switched voltage too LOW	Monitor updated in ECM and ACM calibration. If fault still persists, continue with diagnostic steps from mani

172	2	AIT Signal Does Not Agree With Other Sensors	Monitor update. If calibration is NOT EGR1 (EPA 2013 OBD) or newer, please update.
164	13	ICP Adaptation In-Range Fault	Monitor disabled. If calibration is NOT XUR3 (EPA 2010) or newer, please update. Refer to IK1201043 for c
164	10	ICP Sensor Abnormal Rate of Change	Monitor disabled. If calibration is NOT XUR3 (EPA 2010) or newer, please update.
164	2	ICP Signal Constant	Monitor disabled. If calibration is NOT XUR3 (EPA 2010) or newer, please update.
164	0	ICP above KOEO (Key On Engine Off) Spec	Monitor update. If calibration is NOT XUR1 (EPA 2010) or newer, please update. Refer to diagnostic manu
110	2	ECT1 Above/Below Sensor Compare at KOEO Cold	Monitor update. If calibration is NOT EGR1 (EPA 2013 OBD) or newer, please update.
105	2	IMT Signal Does Not Agree with Other Sensors	Monitor update. If calibration is NOT EGR1 (EPA 2013 OBD) or newer, please update.

Note: DO NOT replace EGR Cooler for [EGR Low Flow Rate](#) code. Once the calibration is updated, perform diagnostics for fault.

Faults Under Investigation

Certain **EPA 2010 & 2013 OBD Maxxforce DT/9/10** and **EPA 2014 N9/N10 SCR** engines may experience service engine lights from the below DTCs. The issues are calibration related and currently under investigation to correct the erroneous triggering of these fault codes. If units are brought into the dealer specifically for these faults, please clear the fault and do not diagnose these codes.

SPN	FMI	ServiceMaxx Description	Notes
629	8	ECM Error - Engine Off Timer fault	If fault is active/inactive, clear fault and return the unit to customer. If fault does not clear and stays active, follow diagnostic i
171	2	AAT Signal Erratic, Intermittent, or Incorrect	If fault is active/inactive, clear fault and return the unit to customer. If fault does not clear and stays active, follow diagnostic i

REPAIR PROCEDURE

Update engine calibration via NETS, Navkal, AutoUpgrade or PocketMaxx.

OTHER RESOURCES

Engine Diagnostics and Module Reflashing Guide-

https://evaluate.internationaldelivers.com/service_kb/DocTool/ArticleViewer.aspx?ControlID=3250&SEQLanguage=1001

SPECIAL TOOL(s) or SOFTWARE

Tool Description	Tool Number	Comments
EZ-Tech Laptop	N/A	N/A

Software Description	Software Version	Comments
NETS	5.5.1 with DLC 1.86	Click HERE to install latest version

WARRANTY INFORMATION

Standard Repair Time(s):

12 - ELECTRONIC CONTROL MODULE (ECM OR ECM/IDM) - ENGINE, PROGRAM			
Hours	Code	Model	Engine
0.4	A12-3510T	Models, ALL	All Engines

Warranty Claim Coding:

Group	Noun
12000	716

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	Viewed: 19451
	Helpful: 131
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