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|--------------------------|------------------------------------------------------------------------------|-----------------------|-------------|
| <b>Countries:</b>        | CANADA, TAIWAN, UNITED STATES, MEXICO, PUERTO RICO, GUAM, KOREA, SOUTH KOREA | <b>Document ID:</b>   | IK1201085   |
| <b>Availability:</b>     | ISIS, Bus ISIS, FleetISIS, Body Builder                                      | <b>Revision:</b>      | 13          |
| <b>Major System:</b>     | ENGINES                                                                      | <b>Created:</b>       | 3/7/2014    |
| <b>Current Language:</b> | English                                                                      | <b>Last Modified:</b> | 10/23/2015  |
| <b>Other Languages:</b>  | NONE                                                                         | <b>Author:</b>        | Alex Buzgau |
| <b>Viewed:</b>           | 5757                                                                         |                       |             |

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Coding Information

|                  |                           |                                   |                         |              |                         |                |                    |
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**Title: Engine Calibration History**
**Applies To: MaxxForce 7, DT, 9, 10, N9, N10 & 13 Engines**

## **CHANGE LOG**

10/19/2015 - Updated N9 and N10 Engine PDF  
 09/11/2015 - Updated N9 and N10 Engine PDF  
 07/17/2015 - Updated 2013 N13 Engine PDF  
 07/13/2015 - Updated 2010 I-6 document to show latest cal is named XWR3 not XWR2  
 07/10/2015 - Updated 2013 V-8 Engine HD-OBd PDF for new calibrations and removed warning about calibration scorecard discrepancy (issue has

## **OnBoard Diagnostics (OBD) Overview**

The intent of Onboard diagnostic (OBD) software is to monitor the emission control system for proper operation and aid in diagnostics. The OBD monitors can check engine or aftertreatment system functionality during typical driving conditions by continuously evaluating operational status before EPA emissions limits are exceeded.

Enable conditions are operating conditions that must be met so that an OBD monitor can run. Vehicle drive cycles are conditions and values that must be met before a monitor will execute.

Drive cycles may range from starting the engine, to a heavy pull. Drive cycles are important for the OBD system to evaluate control system thresholds to determine if malfunction criteria exists to either illuminate, or extinguish the Malfunction Indicator Lamp (MIL) and make a PASS or FAIL determination.

When the MIL illuminates, a Diagnostic Trouble Code (DTC) will be stored in the engines ECM. DTCs are stored as pending, active, healing and previously active.

### **Index:**

Click Here for the: [2013 N13 Engine](#)

Click Here for the : [2010 I-6 Engine](#)

Click Here for the: [2013 I-6 Engine HD-OBd](#)

Click Here for the: [N9 & N10 Engines](#)

Click Here for the: [2013 V-8 Engine HD-OBd](#)

Click Here for the: [Calibration decoder key for the I-6 Engine and V-8 Engine](#)

Click Here for the: [Calibration decoder key for the BB Engine](#)

## Warranty Information

### Warranty Claim Coding:

|               |                                      |
|---------------|--------------------------------------|
| <b>Group:</b> | 12000 - Engines                      |
| <b>Noun:</b>  | 716 - Reprogram Engine – Calibration |

### Standard Repair Times:

| Description                                                  | Chassis | Engine | Qualifier 1 | SRT                                          |
|--------------------------------------------------------------|---------|--------|-------------|----------------------------------------------|
| ELECTRONIC CONTROL MODULE (ECM OR ECM/IDM) - ENGINE, PROGRAM |         |        |             | <a href="#">Click Here for Hours and SRT</a> |

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