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Title: Engine Identification Chart for Blank Module Programming

Applies To: NavKal, Programming, International Engines

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

10/24/2018 - Initial Article Release
10/26/2018 - Updates to V126 & V155

The primary function of this article is to help properly identify the engine you are working on. There are 9 columns/categories in the chart that will help you ID the engine. See below bullet points for a brief explanation on each column.

- **Engineering ID** - Engineering term mostly used internally to identify a particular engine type
- **Engine Prefix** - Engine Serial Number prefix used by the engine type. Some engines use the same prefix, but it still helps you narrow down the engine type.
- **Description** - The typical way our software identifies an engine after connecting to it in our software. Also appears in any Engine Selection windows that may pop up when auto-detection is not available.
- **Modules** - The associated module types used for a particular engine
- **Type** - General Engine type. I6, V8, V6, etc.
- **Class** - Medium or Heavy
- **Calibration ID (ECM)** - This is the best way to ID a particular engine type. The rules are outlined here.
- **Calibration Example** - An example calibration that follows the Calibration ID rules.
- **Baud Rate** - Identifies 250k and 500k engine types and calibrations.

While the chart below will help you identify most engine types, there are rare cases where a calibration does not fall in line with this information. In those cases, please make a Vehicle Programming case file for further assistance.

Engineering ID	Engine Prefix	Description	Modules	Type	Class	Calibration ID (EC
I63BX	serial number just 7 numbers & EFRC = 1	3 Box I6 (1994 - 1997)	VPM /ECM/EDU	I6	Medium	See IK2600143.
V83BX	serial number just 7 numbers & EFRC = 2	3 Box V8 (1994 - 1997)	VPM/ECM/EDU	V8	Medium	See IK2600143.
I308	469HM2U; 470HM2U; 503HM2U; 530HM2U; 531HM2U	DLC I6 (1998 - 2004)	CEC (ECM)	I6	Medium	See IK2600091
T444E	7.4HM2U; 7.4HM2N; 7.4JB2U; 7.4JU2N; 7.4JU2U; 7.4HA2U	DLC V8 (1998 - 2004)	CEC (ECM)	V8	Medium	See IK2600091
V126	4.5HU2Y	DLCII V6 (2005 - 2006)	ECM/IDM	V6	Medium	Identified by ESN Prefix.
V128	6.0HM2Y; 6.0HU2Y	DLCII V8 (2002 - 2006)	ECM/IDM	V8	Medium	THIRD CHAR I
I313	466HM2U; 570HM2U	DLCII I6 (2004 - 2006)	ECM/IDM	I6	Medium	THIRD CHAR E
V155	4.6HU2Y	MaxxForce 5 (2007 - 2009)	SID 904 ECM	V6	Medium	STARTS WITH PVP, PV
V134	6.4HM2Y; 6.4HU2Y	MaxxForce 7 (2007 - 2009)	SID 903 ECM/DCU	V8	Medium	First character is P or 4,
V152	6.5HM2Y	MaxxForce 7 (2010 - 2012)	ECM	V8	Medium	First character is P, Third Fifth is 8 or 9

V179	6.5HM2Y	MaxxForce 7 (2013 -)	ECM	V8	Medium	First character is P, Third Fifth is 1 or 4
I326	466HM2U; 570HM2U	MaxxForce DT/9/10 (2007 - 2009)	SID 904 ECM	I6	Medium	THIRD CHAR G, K, H NOT O
I334	466HM2U; 466HM2Y; 570HM2U; 570HM2Y	MaxxForce DT/9/10 (2010 - 2012)	SID 904 ECM/DCU	I6	Medium	THIRD CHAR L or R; 5
I367	466HM2Y; 466HM2U; 570HM2Y; 570HM2U	MaxxForce DT/9/10 (2013 -)	SID 913 ECM/DCU	I6	Medium	THIRD CHAR R, W; 5
I746	466HM2Y; 466HM2U; 570HM2Y; 570HM2U	N9/N10 SCR (2014 -)	SID 914 ECM/ACM/DCU	I6	Medium	ECM Third is T, Fifth is I ACM Third is T
						ECM Third is U, Fifth is I ACM Third is U
I766	105HM2D; 105HM2Y; 124HM2D; 124HM2Y	MaxxForce 11/13 (2008 - 2009)	EIM/EDC/HICM	IBB	Heavy	STARTS WITH
I783	106HM2Y; 125HM2Y	MaxxForce 11/13 (2010 - 2012)	ECM	IBB	Heavy	STARTS WITH OD, OE;
B764	125HM2Y	MaxxForce 13 (2013)	ECM	IBB	Heavy	STARTS WITH
B718	126HM2Y	N13 SCR (2013 - 2014)	ECM/ACM	IBB	Heavy	STARTS WITH OK
B745	127HM2Y; 124KM2Y	N13 SCR (2015 -)	ECM/ACM	IBB	Heavy	STARTS WITH OS
						STARTS WITH OU, OV
B786	124KM2Y	A26 (2017 -)	ECM	IBB	Heavy	STARTS WITH RA, RB,
I770	152HM2Y	MaxxForce 15 (2011 - 2012)	ECM	IBB	Heavy	STARTS WITH
CT783	106HM2Y; 125HM2Y	CAT CT11/13 (2010 - 2012)	ECM	IBB	Heavy	PP 8801
CT764	125HM2Y	CAT CT13 (2013)	ECM	IBB	Heavy	PP 8801
CT718	126HM2Y	CAT CT13 SCR (2013 - 2014)	ECM/ACM	IBB	Heavy	PP 880
CT745	127HM2Y; 124KM2Y	CAT CT13 SCR (2015 -)	ECM/ACM	IBB	Heavy	PP 880
CT770	152HM2Y	CAT CT15	ECM	IBB	Heavy	PP 880
MILITARY13	(info pending)	MaxxForce 12.4D		IBB	Heavy	
I355	(info pending)	MaxxForce 9.3 (Euro V)		I6	Medium	
B716	(info pending)	M13 (Euro V)		IBB	Heavy	STARTS WITH OR

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