

SERVICE BULLETIN



M-1186

November 20, 2006

ECM CALIBRATION UPGRADE FOR 2007 BIG TWINS (PRODUCT PROGRAM 0903)

Purpose

A recent refinement to the ECM calibration of 2007 Big Twin model motorcycles will smooth the torque curve application in a manner that minimizes high shock loads to drive train components, which could cause engine damage. For example, high shock loads could result from lugging the engine during hard acceleration while operating under 1500 RPM. This refinement enhances the drive characteristics for the new Twin Cam engine and, on some models, improves fuel economy during certain steady state driving conditions.

Since Harley-Davidson is committed to a course of continuous improvement, this ECM calibration change was recently incorporated into all 2007 Big Twin model motorcycles on the production line.

Furthermore, in the interest of promoting customer satisfaction, Harley-Davidson has decided to offer a current production equivalent ECM calibration upgrade at no charge to all owners of 2007 Big Twin model motorcycles manufactured prior to implementation of the calibration change. This offer includes stock production, Police and CVO motorcycles, and also those that have subsequently had P&A street legal performance calibrations installed. This calibration upgrade offer is valid from now to the end of the motorcycle's warranty period.

Motorcycles Affected

All 2007 Big Twin model motorcycles built by early November, 2006. A VIN list specific to vehicles shipped to your dealership is available via h-dnet.com and is no longer attached to mailed bulletins. This list may be found by following this path:

[h-dnet.com/Service/Safety Campaign and Product Campaign/Product Campaign and Open VIN Lists](http://h-dnet.com/Service/Safety_Campaign_and_Product_Campaign/Product_Campaign_and_Open_VIN_Lists). Select 0903 campaign to view the VIN list.

NOTE

If the vehicle is not on your dealership VIN list, check the Safety and Product Campaign History by VIN link.

Customer Notification

Harley-Davidson will provide a letter to all owners of record strongly recommending that they bring their motorcycle in for the calibration upgrade. A sample of the customer letter is attached.

Required Dealer Action

1. Connect Digital Technician if the motorcycle is on the VIN list. If the displayed ECM calibration is listed in Column C in one of the following tables, then the equivalent corresponding calibration shown in Column D on the same row is the **only** qualifying no charge upgrade. If the displayed calibration appears in Column D, then the ECM has already been reflashed with the calibration upgrade.
2. Reflash the ECM, if necessary.

NOTE

From an emissions standpoint, all calibration upgrades are comparable or superior to the original OEM calibration.

IMPORTANT NOTE

In the interest of preserving customer safety and satisfaction, always check for outstanding recalls whenever any motorcycle is brought into your dealership for either maintenance or service.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	WARRANTY PROCESS MANAGER	TECHNICIAN NO.1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	RETURN THIS TO
INITIAL HERE									

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Table 1. OEM (Except CVO) Calibrations

A	B	C	D
2007 Model Big Twin	Market	Calibration P/N Before Upgrade	Calibration P/N After Upgrade
Dyna/Softail OEM 25kW	HDE/HDI	32383-07B/DT	32383-07C/DT*
Dyna/Softail OEM	Domestic	32899-07C/DT	32899-07D/DT*
Dyna/Softail OEM HD	HDE/HDI	32900-07C/DT	32900-07D/DT*
Dyna/Softail OEM	Japan	32901-07D/DT	32901-07E/DT*
Softail OEM	Brazil	32902-07B/DT	32902-07C/DT*
Softail Touring FLSTSC OEM	Japan	32912-07/DT	32912-07A/DT**
Softail Touring FLSTSC OEM	HDE/HDI	33247-07/DT	33247-07A/DT**
Touring OEM	Domestic	32903-07C/DT	32903-07D/DT**
Touring OEM	HDE/HDI	32904-07D/DT	32904-07E/DT**
Touring OEM	Japan	32905-07C/DT	32905-07D/DT**
Touring OEM	Brazil	32906-07A/DT	32906-07B/DT**
Touring OEM EITMS	Domestic	34412-07B/DT	34412-07C/DT**
Touring OEM EITMS	HDE/HDI	34414-07A/DT	34414-07B/DT**
Touring OEM EITMS	Japan	34416-07B/DT	34416-07C/DT**
Touring OEM EITMS	Brazil	34418-07A/DT	34418-07B/DT**
Touring Police OEM	HDE/HDI	34530-07B/DT	34530-07C/DT**
Touring Police OEM	Domestic	34563-07A/DT	34563-07B/DT**
Touring Police OEM EITMS	HDE/HDI	34569-07A/DT	34569-07B/DT**
Touring Police OEM EITMS	Domestic	34449-07B/DT	34449-07C/DT**

* Use DT software version 19.15 or greater. As version 19.15 was released to the dealer network on 10/23/06, calibrations loaded after this date do not need to be upgraded.

** Use DT software version 19.16 or greater. As version 19.16 was released to the dealer network on 11/08/06, calibrations loaded after this date do not need to be upgraded.

NOTE

Dealers must have software version 19.07 (or later) installed on Digital Technician in order to download the above releases via Auto-Sync.

Table 2. P&A Street Legal and CVO Calibrations

A	B	C	D
2007 Model Big Twin	Market	Calibration P/N Before Upgrade	Calibration P/N After Upgrade
Softail CVO FXSTSSE 1800	Domestic	34419-07B/DT	34419-07C/DT***
Softail CVO FXSTSSE 1800	HDE/HDI	34420-07B/DT	34420-07C/DT***
Dyna CVO FXDSE 1800	Domestic	34438-07B/DT	34438-07C/DT***
Dyna CVO FXDSE 1800	HDE/HDI	34439-07B/DT	34439-07C/DT***
Touring OEM CVO EITMS	Domestic	34425-07A/DT	34425-07B/DT***
Touring OEM CVO	HDE/HDI	34426-07C/DT	34426-07D/DT***
Touring OEM CVO	Domestic	34432-07B/DT	34432-07C/DT***
Touring OEM CVO EITMS	HDE/HDI	34433-07A/DT	34433-07B/DT***
Dyna/Softail 1584 Stage 1 Legal	Domestic	34454-07A/DT	34454-07B/DT***
Dyna/Softail 1690 Stage 1 Legal	Domestic	34460-07A/DT	34460-07B/DT***
Dyna/Softail 1690 Stage 2 Legal	Domestic	34479-07/DT	34479-07A/DT***
Touring 1800 Stage 1 EITMS	Domestic	34425-07A/DT	34425-07B/DT***
Touring 1800 Stage 1	Domestic	34432-07B/DT	34432-07C/DT***
Touring 1584 Stage 1	Domestic	34455-07A/DT	34455-07B/DT***
Touring 1584 Stage 1 EITMS	Domestic	34456-07A/DT	34456-07B/DT***
Touring 1690 Stage 1	Domestic	34470-07A/DT	34470-07B/DT***
Touring 1690 Stage 1 EITMS	Domestic	34473-07A/DT	34473-07B/DT***
Touring 1690 Stage 2	Domestic	34480-07A/DT	34480-07B/DT***
Touring 1690 Stage 2 EITMS	Domestic	34484-07A/DT	34484-07B/DT***

*** Use DT software version 20.xx or greater. Version 20.xx, targeted for release mid to late December 2006, will provide "no charge" P&A performance calibration upgrades for qualifying vehicles. (The "xx" in the version number means that these digits have not yet been assigned.) Upgrades performed prior to the 20.xx release will be charged to your dealership.

Credit Procedure

Complete a separate warranty claim for each vehicle serviced. Reference Service Bulletin M-1186 in the "Comments" or "Notes" section and be sure to include the VIN of the vehicle on which the reflash was performed. Please **DO NOT** submit additional warranty events on these claims. Fill in the rest of the claim as follows:

ENTRY FIELD	ENTER
Claim Type	PPC
Event Problem Part No.	Upgraded Calibration From Column "D" on pages 2-3
Quantity	Leave Blank
Primary Labor Code*	7801
Time	0.2 Hours
Customer Concern Code*	0903
Condition Code*	9981
* These codes may need to be downloaded into your system.	

Upon receipt of the properly completed warranty claim, you will receive 0.2 hours labor credit for performing the required service.

