

SERVICE BULLETIN

M1220B

September 2, 2009



2007 and LATER DYNA/SOFTAIL ENGINE IDLE TEMPERATURE MANAGEMENT SYSTEM

Reason for Revision

To add current model year Dyna and Softail models.

Purpose

For those riders who frequently find themselves in riding conditions where the vehicle is subjected to prolonged idle conditions or traffic congestion, an optional dealer enabled engine calibration is available. This calibration offers limited rear cylinder cooling with the vehicle stopped while the engine is left at idle once the temperature threshold is exceeded. If the customer decides to enable or disable this option, they may contact the dealer to have this done.

Motorcycles Affected

All 2007 and 2008 Dyna and Softail models including FXD, FXDC, FXDL, FXDWG, FXDB, FXDF, FXDSE², FXST, FXSTB, FXSTC, FXSTD, FXCW, FXCWC, FLST, FLSTC, FLSTF, FLSTN, FLSTSB, FLSTSC, FXSTSSE and FXSTSSE².

2009 and later Dyna and Softail models except CVO models.

Required Dealer Action

All 2008 FXDSE² and FXSTSSE² vehicles with a production date of 1/14/08 or later, and all 2009 and later Dyna and Softail CVO models have EITMS activated at the factory. EITMS can be deactivated at customer request.

All other 2007 and later Dyna and Softail vehicles are shipped from the factory with EITMS deactivated. EITMS can be activated on these models at customer request.

Activating Engine Idle Temperature Management System (EITMS)

Upon customer request, apply the necessary optional dealer-enabled engine calibration to activate the EITMS capability using the Digital Technician II tool. Review/explain the following system function to the customer.

System Function

When engine temperature reaches a pre-determined point, the EITMS will turn off the rear cylinder fuel injector. Idle speed will be maintained, however the rear cylinder will become an "air pump" which will work to cool the engine.

EITMS will activate (rear cylinder will turn off) when **all** of the following conditions are met for approximately 6 seconds:

- Engine temperature is greater than 287 °F domestic (165 °C international)
- Throttle position less than 0.9%
- Vehicle speed under 1 MPH (2 KPH)
- Engine speed under 1200 RPM

EITMS will disable (rear cylinder will again fire) if **any one** of the following occurs:

- Engine temperature falls below 275 °F domestic (135 °C international)
- Throttle position greater than 1.4%
- Vehicle speed exceeds 2 MPH (3 KPH)
- Engine speed exceeds 1350 RPM
- Clutch is released with vehicle in gear

When the engine is in EITMS mode you may notice a difference in idle cadence. Additionally there may be a unique exhaust odor. These are both considered to be normal conditions.

NOTES

- If customer decides he does not want the EITMS, he may request you to deactivate it. Each motorcycle (as identified with its VIN) is entitled to have EITMS activated and deactivated once without charge. The original version of EITMS calibrations may also be upgraded to the new strategy under warranty as long as the two claims per VIN limit has not already been met. Charges for additional EITMS activations or deactivations will be the customer's responsibility.
- Screamin' Eagle Stage calibrations are available with active EITMS and without EITMS. Before installing these calibrations on a customer's vehicle, ensure the customer understands the EITMS and indicates their choice.

Deactivating EITMS

Apply the necessary engine calibration with EITMS deactivated using Digital Technician II.

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

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Credit Procedure

NOTE

Warranty coverage for calibration updates ends with normal vehicle warranty.

OE Calibrations

Complete a warranty claim referencing Service Bulletin M1220B. Fill in the rest of the claim as follows:

Claim Type	MC
Event Problem Part No., Description	Appropriate OEM calibrations # from Digital Technician II
Quantity	Leave blank except for CVO models
Primary Labor Code	7804
Time	0.2 hrs.
Customer Concern Code	9203
Condition Code	7804

Screamin' Eagle Stage Calibrations

Warranty credit may be applied for to activate, deactivate, or upgrade the EITMS per customer's request on 50 state street legal Screamin' Eagle calibrations if the calibration was registered at time of vehicle sale, or within 60 days from time of vehicle sale.

Complete a warranty claim referencing Service Bulletin M1220B for Stage 1 and 2 street legal calibrations. Fill in the rest of the claim as follows:

Claim Type	PNA
Event Problem Part No., Description	Appropriate Part No. registered to VIN
Quantity	Leave blank
Event 1, Additional Part No. Description	Appropriate calibration Part No. from Digital Technician II
Quantity	1
Primary Labor Code	8202
Time	0.2 hrs.
Customer Concern Code	9203
Condition Code	9110