

SERVICE BULLETIN



M-1213A

December 20, 2007

2008 ENGINE IDLE TEMPERATURE MANAGEMENT SYSTEM

Reason for Revision

Recent calibrations now allow customers to enable and disable EITMS using twist grip roll-off, without the need for Digital Technician.

2008 Touring model motorcycles produced December 3, 2007 and later were shipped from the factory with the new calibration with twist grip roll-off selection for EITMS.

Purpose

For those riders who frequently find themselves in riding conditions where the vehicle is subjected to prolonged idle conditions or traffic congestion, an engine temperature strategy is available. This strategy offers limited rear cylinder cooling with the vehicle stopped while the engine is left at idle or at low vehicle speeds once the temperature threshold is exceeded. The customer may contact their dealer to have this calibration performed.

Motorcycles Affected

All 2008 Touring models (FLHT, FLHTC, FLHTCU, FLTR, FLHR, FLHRC, FLHX, FLHTCUSE³, FLHTCU³, FLHRSE⁴, FLHR⁴, FLHTP, FLHP, and FLHPE).

Required Dealer Action

Activating Engine Idle Temperature Management System (EITMS)

Upon request of the customer, reflash the ECM with the revised calibration using Digital Technician II.

Early versions of the 2008 owner's manuals do not include information for the revised calibration with customer-selectable EITMS. Review/explain the following system function to the customer and provide them with a copy of page 3 of this bulletin.

Enable/Disable EITMS

1. Turn the ignition ON with the bike at idle and not moving (the bike may be running or not running).
2. Push the throttle to roll-off position and hold.
3. After approximately 3 seconds, the cruise indicator will flash either red (disabled) or green (enabled).
4. Repeat procedure to change.

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)
- Twist grip opening less than 2.0%
- 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)
- Twist grip opening greater than 2.7%
- 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

Each motorcycle (as identified with its VIN) is entitled to have this calibration enabled without charge.

Screamin' Eagle Stage calibrations also allow this strategy to be enabled or disabled.

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-OE Calibrations

Complete a warranty claim referencing Service Bulletin M-1213A. 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 (FLHTCUSE ³ and FLHRSE ⁴ models)
	1 (all other models)
Primary Labor Code	7804
Time	0.2 hrs.
Customer Concern Code	9203
Condition Code	7804

Credit Procedure-Screamin' Eagle Stage Calibrations

Warranty credit may be applied to enable or disable the EITMS per the 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 M-1213A 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 stage kit 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

ENGINE IDLE TEMPERATURE MANAGEMENT SYSTEM (For Customer)

For those riders who frequently find themselves in riding conditions where the vehicle is subjected to prolonged idle conditions or traffic congestion, the motorcycle is equipped with an Engine Idle Temperature Management System (EITMS) to provide limited cooling of the rear cylinder.

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

EITMS can be enabled or disabled by the rider using the following procedure.

1. Turn the ignition switch to the ON position.
2. Push the throttle to roll-off position and hold.
3. After approximately 3 seconds, the cruise indicator lamp will either flash green (EITMS enabled) or red (EITMS disabled).
4. Repeat the procedure as needed to enable or disable EITMS.