

SERVICE BULLETIN



M-1351

September 17, 2013

2014 ENGINE IDLE TEMPERATURE MANAGEMENT SYSTEM (EITMS)

Purpose

The purpose of this bulletin is to inform dealers of the operational details of the 2014 Engine Idle Temperature Management System (EITMS) for both the faired models (except FLHTP) equipped with an Ambient Air Temperature (AAT) sensor and the non-faired models which rely on the Engine Temperature (ET) sensor.

See Figure 1. On faired models (except FLHTP), the AAT is located alongside the left side of the steering head in front of the fuel tank.

Vehicles Affected

This information applies to all 2014 Touring models equipped with fairings (FLHTCU, FLHTCU TC, FLHTK, FLHTK CVO, FLHTKSE, FLHX, FLHXS), the 2014 Touring models without fairings (FLHR, FLHR CVO, FLHRC, FLHRSE), the 2014 Police models (FLHP, FLHTP) and the 2014 FLHTCUTG.

Markets Affected

All markets are affected.

Required Dealer Action

Inform customers:

1. When EITMS is useful.
2. How EITMS operates.
3. How to enable/disable EITMS.

Use

For customers who find themselves at prolonged idle or in stop and go traffic, EITMS provides limited cooling of the rear cylinder. When certain high temperature conditions occur, EITMS turns off the rear cylinder fuel injector. The rear cylinder then becomes an air pump which cools the rear cylinder.

Inform customers that they can enable or disable EITMS to complement their riding style.

Operation

NOTE

EITMS does not operate within the first four minutes after starting the engine.

Activation: If ALL of the following conditions are met, the EITMS turns off the rear cylinder fuel injector.

- **Touring (except FLHR, FLHRC, FLHR CVO, FLHRSE) and FLHTCUTG:** AAT sensor exceeds 80 °F (27 °C).
- **FLHR, FLHRC, FLHR CVO, FLHP and FLHTP:** ET sensor exceeds 288 °F (142 °C).

NOTE

FLHRSE: For configurations, refer to position 5 in the Harley-Davidson VIN Breakdown: 2014 Touring Models table.

- **FLHRSE:** ET sensor exceeds 288 °F (142 °C) (all except configurations C, E and G) or 329 °F (165 °C) (configurations C, E and G only).
- The Electronic Throttle Control (ETC) is at idle.
- Motorcycle speed is under 1 mph (2 km/h).
- Engine speed is under 1200 rpm.

Deactivation: If ANY of the following occur, the rear cylinder fuel injector resumes operation:

- **Touring (except FLHR, FLHRC, FLHR CVO, FLHRSE, FLHP and FLHTP) and FLHTCUTG:** AAT sensor drops below 75 °F (24 °C).
- **FLHR, FLHRC, FLHR CVO, FLHRSE, FLHP and FLHTP:** ET sensor drops below 275 °F (135 °C) (all configurations).
- ETC is above idle.
- Motorcycle speed exceeds 2 mph (3 km/h).
- Engine speed exceeds 1350 rpm.
- The clutch is released with the motorcycle in gear.

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

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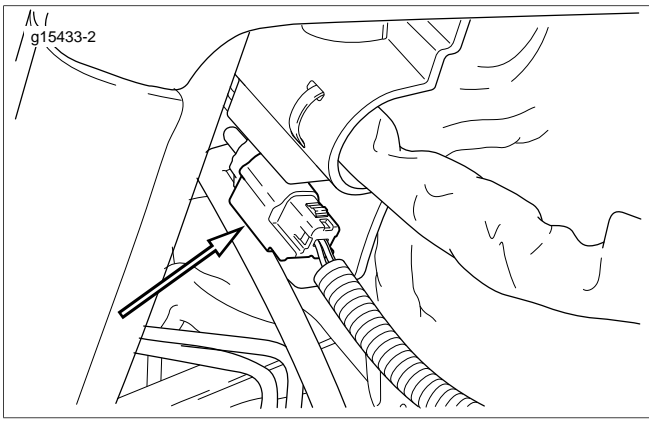


Figure 1. Ambient Air Temperature (AAT) Sensor and Connector [107]: FLHTCU, FLHTK, FLHTK CVO, FLHTKSE, FLHX, FLXHS, FLHTCUTG

Enable/Disable

Enabled: When enabled, EITMS automatically activates whenever the motorcycle comes to a complete stop and idles during elevated temperature conditions.

Disabled: When disabled, EITMS does not activate under any conditions.

NOTES

- *EITMS status can be changed whether the engine is running or not.*
 - *The EITMS status is also displayed in the radio interface. See BOOM!™ BOX owner's manual.*
1. **Roll-off and hold:** With the ignition on and the OFF/RUN switch in RUN, roll-off the throttle control grip to cruise control off and hold.
 2. After 3 seconds, the cruise indicator will flash indicating EITMS status. Flashing green indicates EITMS enabled. Flashing amber indicates EITMS disabled.
 3. **To maintain indicated status:** Release the throttle control grip.
 4. **To change status:** Release the throttle control grip. Repeat "roll-off and hold".