

# SERVICE BULLETIN



M-1112

April 9, 2001

## FUEL INJECTED FLT/FLHR MODEL CALIBRATION CHANGES

### Purpose

Improved ECM calibrations are now available for selected models using Digital Technician.

#### NOTE

*The following information does not apply to vehicles equipped with Screaming Eagle performance calibrations. Reflashing an ECM previously programmed with a performance calibration will result in loss of the performance calibration.*

### Motorcycles Affected

#### 1999– Mid 2001 Fuel Injected Twin Cam Models

ECM calibration changes were recently made on all production Twin Cam Touring models to improve two conditions occasionally experienced by some riders. The new calibration resulted in a **new** ECM part number, 32423-99B.

If you have a customer with an earlier "stock" ECM (a –99 or –99A part number) experiencing a cold ambient, light load, 1800–2000 rpm stumble or cold weather plug fouling, an ECM reflash would be beneficial. The ECM can only be reflashed using Digital Technician- at no cost to your dealership parts account.

#### NOTE

*This reflash includes all previous "stock" production ECM calibration changes made since 1999. These changes include improved cold idle, elimination of false code 56 during cranking, and elimination of false code 24/25 at engine over rev.*

#### 1997– 1998 Fuel Injected Evolution Models

An ECM reflash for 1997 and later Evolution models is also available. Customers with "stock" ECM's would benefit from the following product improvements:

- Elimination of intermittent, light load, 1800-2000 rpm engine "miss"
- Elimination of false code 56 during cranking
- Reduced "oil smell" from exhaust during deceleration
- Reduced spark knock/hesitation after prolonged idle in high ambient temperature.

If you have a customer with a "stock" ECM experiencing any of the above symptoms, an ECM reflash would be beneficial. The ECM can only be reflashed using Digital Technician- at no cost to your dealership parts account.

### Required Dealer Action

Reflashing is a simple procedure that takes less than ten minutes. Proceed as follows:

1. Connect Digital Technician. Scanalyzer display reads "PC Scanalyzer Interface Tool."
2. Enter complete VIN on the vehicle select screen.
3. Select the Reflash icon on Digital Technician. Next, select the line item that identifies the desired calibration.
4. Insert the reflash cartridge (Part No. HD-44750-13) into the Scanalyzer. The Scanalyzer display reads "PC Scanalyzer Reflash Tool."

#### NOTE

*If the reflash cartridge does not have the latest reflash software, a message is displayed on Digital Technician to indicate that the reflash cartridge must be reprogrammed in order to proceed. Simply follow the instructions on the screen of Digital Technician to reprogram the cartridge.*

5. Follow the instructions on the screen of Digital Technician to reflash the ECM. When the routine has been successfully completed, a reflash summary report appears on Digital Technician.

#### NOTE

*To print the reflash summary for reference purposes, click on the **PRINTER** icon on Digital Technician. Summary screen is no longer available after green check mark is selected to exit routine.*

6. Press the green check mark to exit the reflash routine.

#### NOTE

*After the reflash routine, the ECM part number of 1999 – Mid 2001 fuel injected Twin Cam models will change to 32423-99B. The part number of 1997 – 1998 fuel injected Evolution models changes to 32423-97B.*

7. Reset hot idle speed following the instructions in the appropriate FLT Models Service Manual.

### Credit Procedure

For Twin Cam models still under warranty, use job time code 7115 for labor.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO.1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO
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