

SERVICE BULLETIN

B-071

Product Program 0502

April 29, 2008



2008 1125R CALIBRATION AND STARTER SOLENOID PRODUCT PROGRAM 0502

Purpose

Buell Motorcycle Company has implemented an updated Electronic Control Module (ECM) calibration. The updated calibration provides improved cold and hot restart functionality and improved throttle response. The updated calibration also provides optimized electrical system draw and electrical accessory operation.

This bulletin also communicates an updated starter solenoid fastener torque procedure to improve battery cable retention and circuit integrity.

In the interest of customer satisfaction, Buell Motorcycle Company has elected to initiate a product program (Product Program 0502) to update the ECM calibration and starter solenoid torque on affected vehicles.

Motorcycles Affected

This Product Program applies to all 2008 Buell 1125R models built prior to April 04, 2008. 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/Departments/Service/Safety Campaign and Open VIN lists](http://h-dnet.com/Departments/Service/Safety_Campaign_and_Open_VIN_lists). Open Product Program 0502 campaign to view VIN list.

NOTE

If the vehicle does not appear on your dealer VIN list, refer to Safety and Product Campaign History by VIN link to verify if vehicle is affected.

Customer Notification

Buell Motorcycle Company will send a letter to registered owners notifying them of this non-safety related condition and instructing them to contact their dealer for the replacement service. A sample of the customer letter is attached.

IMPORTANT NOTE

Please be advised that the services delivered under this product program will no longer be rendered at factory expense upon expiration of the motorcycle's two-year warranty period, or after one year from the date of this bulletin, whichever occurs last.

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

Required Dealer Action

ECM Calibration

NOTE

After connecting to the vehicle but before beginning the calibration reflash connect the AC power adapter to the Tech Link II to ensure correct system communication.

- On vehicles that are covered under the product program, verify the current calibration using Digital Technician and reflash the calibration if updated calibration is not present. See Table 1 for calibration numbers.
- System functions updated with new calibration:
 - Accessory port is controlled by the ECM and will be turned off if the ECM reports a deficit on the charging system. Do not install accessories directly to the battery or anywhere else on the bike except the accessory plug.
 - ECM will now control cooling fan operation independently and is regulated by coolant temperature and battery voltage.
 - Idle RPM is now impacted by inputs from coolant temperature and battery voltage. This may raise the RPM slightly if the programmed conditions are met. Under normal operation the idle will remain at 1250 RPM.
 - Idle Air Control function has been changed to improve tip-in throttle response and low speed driving.
 - Low Battery Voltage Lamp will now come on at 11.9 volts instead of 11.5 volts to provide improved maintenance notification.
 - It is normal for the fuel pump to cycle periodically to maintain fuel pressure after key off. The amount of time allowed for this has been reduced from 20 minutes to 10 minutes maximum

Table 1. Calibration Numbers

Region	Previous Calibration	Updated Calibration
DOM	B3HUS01W	M3HUS02Y
CAL	B3HCA01W	M3HCA02Y
EUR	B3HEC01W	M3HEC02Y
AU	B3HAU01W	M3HAU02Y

Starter Solenoid Cable Fasteners

 WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect negative (-) battery cable before proceeding. (00048a)

- Remove the seat.
- Disconnect negative battery cable.
- See Figure 1. Remove the brake fluid reservoir fastener (1).
- Remove solenoid cover fastener (2) and the cover.
- See Figure 2. Remove starter solenoid cable fasteners (4) and washers.
- Apply blue Loctite 243 (blue) to the fasteners (4).
- Install starter solenoid cable nuts and tighten to 43-48 in-lbs (4.8-5.4 Nm).

8. See Figure 1. Install solenoid cover and fastener (2). Tighten fastener to 37-60 **in-lbs** (4.1 to 6.8 Nm).
9. Install brake fluid reservoir and fastener (1) and tighten to 32-36 **in-lbs** (3.6-4.1 Nm)
10. Connect negative battery cable.

⚠ WARNING

After installing seat, pull upward on seat to be sure it is locked in position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury. (00070b)

11. Install the seat.

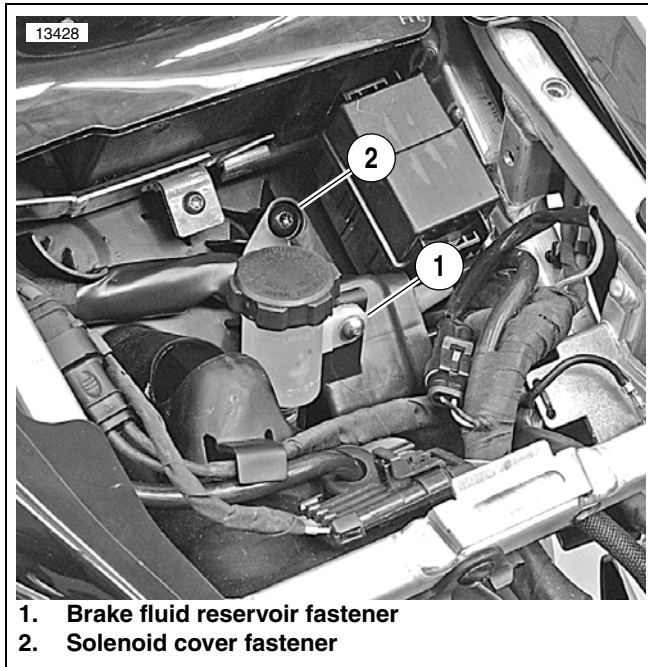


Figure 1. Starter Solenoid Cable Fasteners

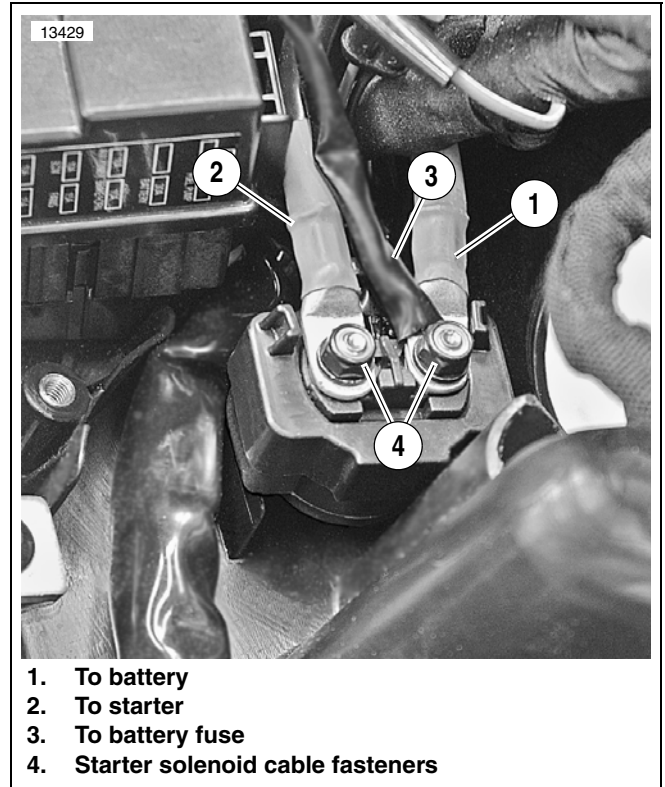


Figure 2. Starter Solenoid

Credit Procedure

Complete a separate warranty claim for each vehicle serviced. Reference Service Bulletin B-071 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:

Claim Type	PPC
Event Problem Part No.	Updated calibration number from Table 1.
Quantity	Leave blank
Primary Labor Code*	7838
Time	0.4 hrs.
Customer Concern Code*	0502
Condition Code*	9981
* These codes may need to be downloaded into your system.	

Upon the timely receipt and processing of the claim, you will be credited 0.4 hours labor for performing the required service.

SAMPLE COPY

April 29, 2008

Dear Buell Motorcycle Owner:

Our records indicate you are the owner of a 2008 1125R model. Buell Motorcycle Company has recently implemented updates in production for the 2008 1125R models. These updates provide improved cold and hot restart functionality, improved throttle response, and optimized electrical system draw and electrical accessory operation.

In the interest of customer satisfaction, Buell Distribution Company, LLC. is offering a no cost calibration upgrade and starter solenoid nut torque procedure to improve battery cable retention and circuit integrity on 2008 1125R model motorcycles, built prior to April, 04, 2008.

While this is not a safety issue, we do urge you to contact your authorized Buell motorcycle dealer as soon as possible to schedule an appointment to have this service performed. The service will be performed at no cost to you while the vehicle is under factory warranty and will require less than one hour to perform. Due to scheduling, however, the dealer may request to have your motorcycle for a longer period of time. Calibration availability at your dealership will begin the week of 4/28/08.

This no cost offer expires at the end of the two-year warranty or one year from the date of the program announcement, April 29, 2008, whichever occurs last.

To verify that the service has been completed, your dealer will ask you to sign an acknowledgement when you pick up your motorcycle.

Thank you for your cooperation. We regret any inconvenience this may cause, but we have taken this action in the interest of your continued satisfaction with our product.

Sincerely,

Buell Distribution Company, LLC