

SERVICE BULLETIN

B-076A

July 10, 2008



2003-2006 FIREBOLT HEADLIGHTS PRODUCT PROGRAM 0501

Reason For Revision

This revised bulletin includes corrected part information in the credit procedure tables, and correctly indicates that the services under this product program will expire **two** years from the date of this bulletin.

Purpose

Buell Motorcycle Company has determined that headlight assemblies on some 2003-2006 Firebolt models have a reflective material which can potentially degrade and reduce light output.

In the interest of customer satisfaction and continuous improvement, Buell Motorcycle Company has elected to replace the low and high beam headlight assemblies for affected motorcycles.

Motorcycles Affected

All 2003-2006 Buell Firebolt model motorcycles (XB9R and XB12R) shipped from the factory before the dates shown in Table 1.

Table 1. Affected Vehicle Build Dates

Market	Affected Vehicles
CAL, CAN, DOM	Vehicles built before 9/08/2005
AUS, ENG, JPN	Vehicles built before 10/10/2005
EUR	Vehicles built before 11/28/2005

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/Service/Safety Campaign and Product Campaign/Product Campaign and Open VIN Lists](http://h-dnet.com/Service/Safety%20Campaign%20and%20Product%20Campaign/Product%20Campaign%20and%20Open%20VIN%20Lists). Select 0501 campaign to view the VIN list.

NOTE

If the vehicle is not on your dealership VIN list, check the Safety and Product Campaign History by VIN link.

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 expire **two** years from the date of this bulletin.

Kit Ordering Information

One initial wave shipment of kits will be conducted. To order additional kits, fill in the attached order form and fax it to the Warranty Department (414-343-8346). You must include the dealer number and the VIN of the motorcycle being serviced.

Please confirm that the motorcycle is affected and then place the order. Due to supply chain limitations, please order kits only as needed.

IMPORTANT NOTES

- Kits will begin shipping the week of July 14, 2008 in the domestic markets, and shortly afterwards world-wide. No orders for kits will be accepted prior to the completion of the initial wave shipments.
- You must have submitted claims for 75% of the kit quantities that have been shipped to your dealership before additional kit orders will be processed.

Table 2. Kit Contents - US/CAN (94624Y)

Item	Part No.	Quantity
Headlight, low beam	Y0400.5AA	1
Headlight, high beam	Y0435.5AA	1
Cable strap	Y0303.2B	3

Table 3. Kit Contents - EUR (94625Y)

Item	Part No.	Quantity
Headlight, low beam	Y0406.5AA	1
Headlight, high beam	Y0427.5AA	1
Cable strap	Y0303.2B	3
Spacer	CH0023.5AA	1

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

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Table 4. Kit Contents - AUS/ENG/JPN (94626Y)

Item	Part No.	Quantity
Headlight, low beam	Y0428.5AA	1
Headlight, high beam	Y0427.5AA	1
Cable strap	Y0303.2B	3
Spacer	CH0023.5AA	1

Required Dealer Action

Confirm via h-dnet that motorcycle is involved in Product Program 0501 and service has not already been performed.

Removal

1. Remove seat.
 - a. Peel up rear corners of seat and remove two fasteners.
 - b. Pull seat back over tail section and remove.

WARNING

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

2. Disconnect negative cable (black) from battery.
3. See Figure 1. Remove two nuts (2) from each mirror and detach mirrors from fairing.
4. Remove front turn signals.
 - a. Disconnect turn signal bullet connectors (3) from wire harness in fairing.
 - b. Cut and discard cable straps from left and right turn signal wiring.
 - c. Remove nut and lockwasher (4) from turn signal.
 - d. Pull bullet connectors and wiring through hole in fairing support bracket.
5. Remove two center windscreen fasteners and washers (1).
6. Remove front fairing.

CAUTION

Handle bulb carefully and wear eye protection. Bulb contains Halogen gas under pressure, which, if not handled carefully, could cause serious eye injury. (00062a)

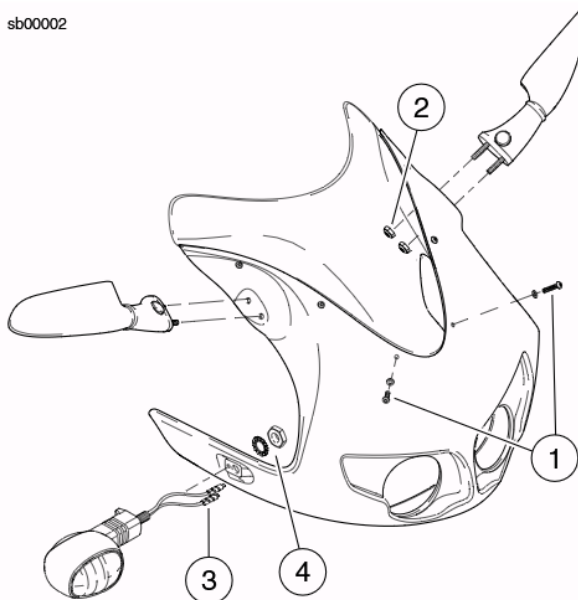
CAUTION

Never touch the quartz bulb. Fingerprints will etch the glass and decrease bulb life. Grab the bulb with paper or a clean, dry cloth. Failure to do so could result in bulb-damage. (00210a)

7. Remove high and low beam headlights.
 - a. See Figure 2. On international models (Europe, England, Australia and Japan), pull rubber position lamp socket (3) from bottom of headlight housing.
 - b. Remove four screws (4) from headlight and pull headlight out from the support bracket.

- c. Remove black rubber cover (5) from rear of headlight.
- d. See Figure 3. Disconnect headlight ground connector (black) (1) from rear of headlight.
- e. Release wire retaining latch (2) from headlight housing clips. Pull bulb with socket (4) from headlight housing.
- f. Remove headlight.

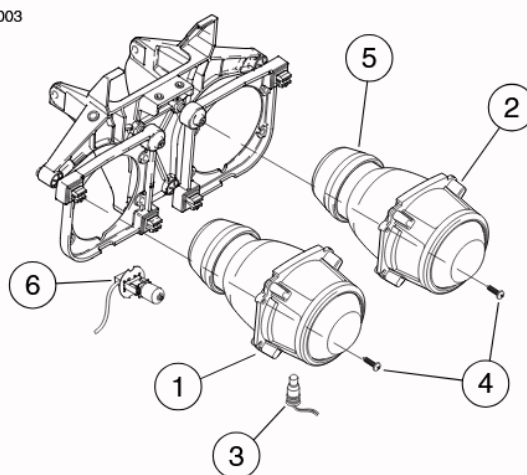
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1. Center windscreen fasteners (2)
2. Mirror nuts (2 per mirror)
3. Turn signal bullet connectors
4. Turn signal nut and lockwasher

Figure 1. Front Fairing

sb00003



1. Low beam headlight (US/CAN/EUR models)
2. High beam headlight (US/CAN/EUR models)
3. Position lamp (EUR/ENG/AUS/JPN models only)
4. Screws (4 per headlight)
5. Black rubber cover
6. Headlight bulb/socket

Figure 2. Headlights

NOTE

In ENG, AUS, and JPN markets, the low and high beam headlights are in reverse order, with the low beam headlight on the left side of the vehicle.

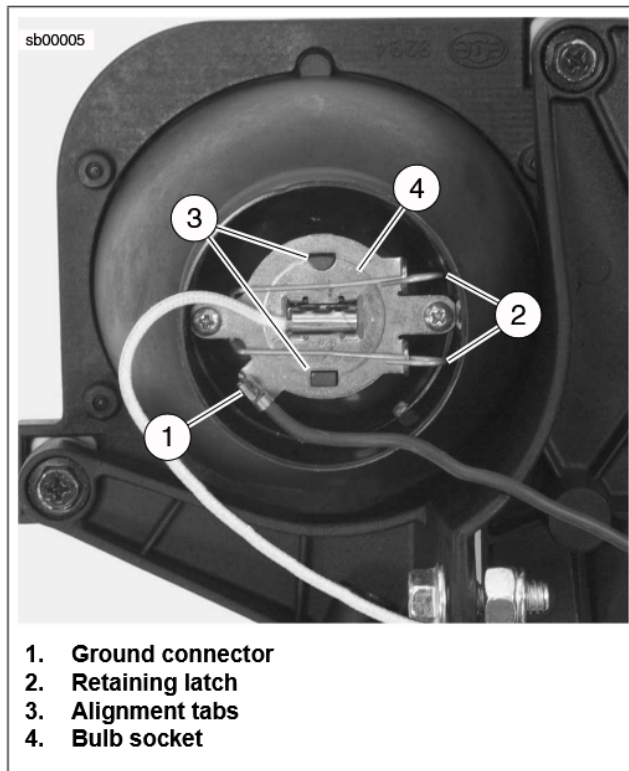


Figure 3. Headlight Bulb/Socket

Installation

NOTE

See Figure 2. For domestic, Canada, and Europe models, install low beam headlight on right side of vehicle. For Australia, England, and Japan models, install low beam headlight on left side of vehicle.

1. Install high and low beam headlights.
 - a. See Figure 3. Align tabs on bulb socket (4) with tabs on rear of headlight (3) and insert bulb. Close the wire retaining latch (2).
 - b. Connect headlight ground connector (black) (1) to rear of headlight.
 - c. See Figure 2. Install black rubber cover (5) on rear of headlight.
 - d. Install headlight into support bracket with four screws (4). Tighten screws to 20-25 **in-lbs** (2.3-2.8 Nm).
 - e. See Figure 4. On EUR/ENG/AUS/JPN models only, install spacer (Part No. CH0023.5AA) from kit (94625Y and 94626Y only) onto one of the rubber position lamp sockets as shown. Push the position lamp with spacer into bottom of low beam headlamp. Install other position lamp (without spacer) into the high beam headlamp.

2. Position front fairing on fairing support bracket.

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3. See Figure 1. Install two center windscreen fasteners with nylon washers (1). Tighten to 10-12 **in-lbs** (1-1.4 Nm).

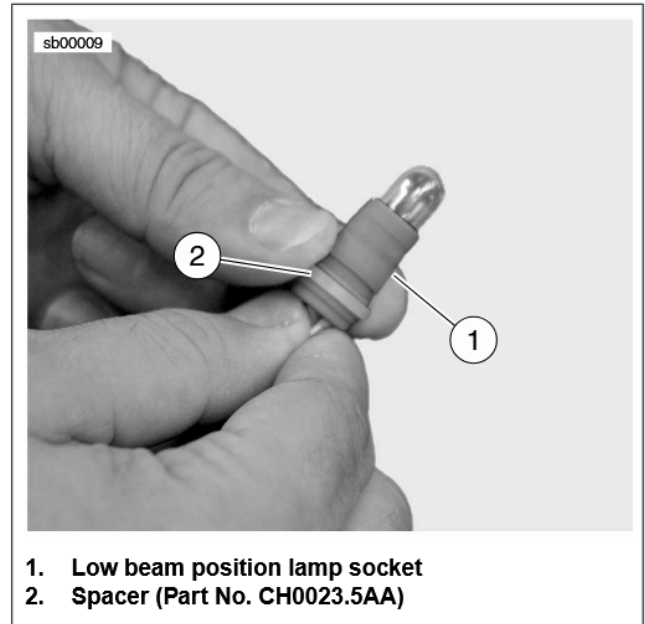


Figure 4. Low Beam Position Lamp Spacer (EUR/ENG/AUS/JPN Models Only, Kits 94625Y and 94626Y)

4. Install front turn signals.
 - a. See Figure 1. Insert bullet connectors (3) and wiring through hole in fairing support bracket.
 - b. Align guide on turn signal with the hole on the fairing. Install lockwasher and nut (4). Tighten to 25-28 **in-lbs** (2.8-3.2 Nm).
 - c. See Figure 5. Connect turn signal bullet connectors as shown. Use cable straps from the kit to secure the bullet connectors to the wire harness on each side of the vehicle.

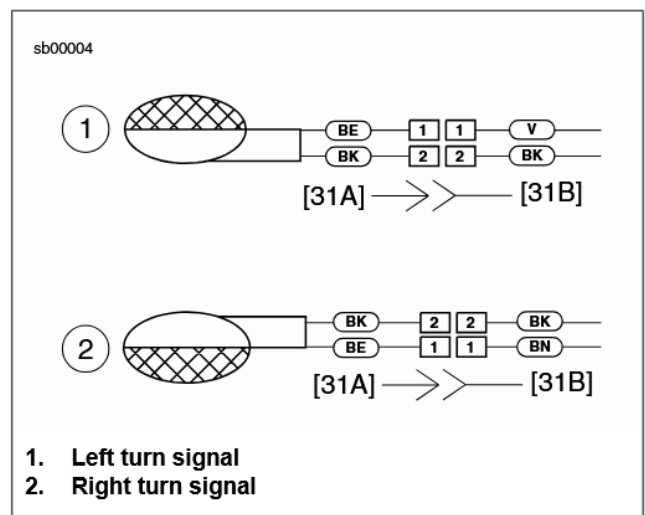


Figure 5. Front Turn Signal Connections

5. See Figure 1. Install each mirror with two nuts (2). Tighten to 72-96 **in-lbs** (8-11 Nm).

6. Connect negative cable (black) to battery. Tighten fastener to 72-96 **in-lbs** (8-11 Nm).
7. Install seat.
 - a. Position seat in mounting position with center tab aligned with slot on frame crossmember.
 - b. Slide seat forward to engage center tab in slot. Pull up on front of seat to verify tab/slot engagement.
 - c. Pull up rear corners of seat and tighten two fasteners to 12-36 **in-lbs** (1-4 Nm).

⚠ WARNING

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

⚠ WARNING

Be sure that all lights and switches operate properly before operating motorcycle. Low visibility of rider can result in death or serious injury. (00316a)

8. Check headlights and turn signals for proper operation. If operation fails, read procedure and verify that all steps were performed.
 - a. Turn ignition key switch to ON.
 - b. See Figure 6. Check headlight LOW (1) and HIGH beam (2) settings.
 - c. Set headlight to LOW beam. Press passing lamp switch (3). Headlight should flash HIGH beam as long as the switch is pressed.
 - d. Activate left turn signals using switch on left handlebar (4). Front and rear left turn signals must flash.
 - e. Activate right turn signals using switch on left handlebar. Front and rear right turn signals must flash.
 - f. Turn ignition key switch to OFF.

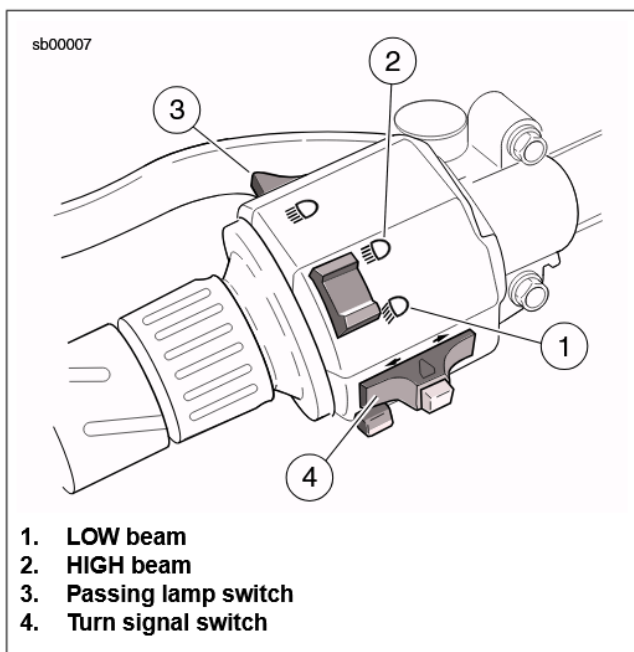


Figure 6. Front Turn Signal Connections

Alignment

1. See Figure 8. In a location with low light, draw a horizontal line on a screen or wall 29-31 inches (74-79 cm) from the floor.
2. Position motorcycle 25 ft (7.6 m) away from the wall by measuring the distance from the front axle to the wall.
3. Refer to Table 5. Verify correct front and rear tire pressure.

Table 5. Tire Pressures

Tire	PSI	kPA
Front	36	248
Rear	38	262

4. Load vehicle with rider/passenger/cargo/accessories. Weight will compress vehicle suspension slightly.
5. Stand motorcycle upright with headlamps aimed straight-forward.

NOTES

See Figure 7. HIGH beam and LOW beam have independent adjuster screws located beneath the front fairing.

Low and high beam adjusters are in reverse order on ENG/AUS/JPN models, with the low beam adjuster on the left side of the mounting bracket.

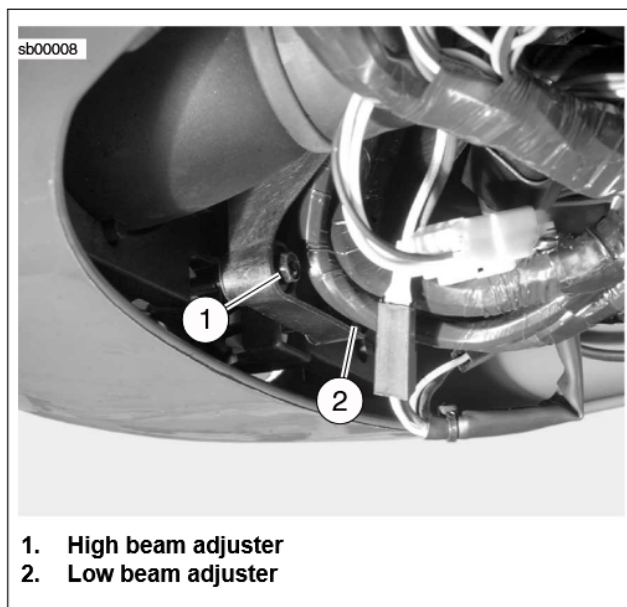


Figure 7. Headlight Height Adjusters (US/CAN/EUR model shown)

6. Check LOW beam for alignment.
 - a. See Figure 6. Turn ignition switch to IGN. Set handlebar headlamp switch to LOW beam position (1).
 - b. Turn engine stop switch to the RUN position.
 - c. Check that the correct pattern of light is a double rectangular pattern and is aligned with the horizontal line as shown in Figure 8.
 - d. See Figure 7. To lower beam, turn low beam adjuster (2) clockwise. To raise beam, turn adjuster counterclockwise.

7. Check HIGH beam for alignment.
 - a. See Figure 6. Set handlebar headlamp switch to HIGH beam position (2).
 - b. Check that the correct pattern of light is a circular pattern and is centered on the horizontal line as shown in Figure 8.
 - c. See Figure 7. To lower beam, turn high beam adjuster (1) clockwise. To raise beam, turn adjuster counterclockwise.
8. Turn ignition key switch to OFF.

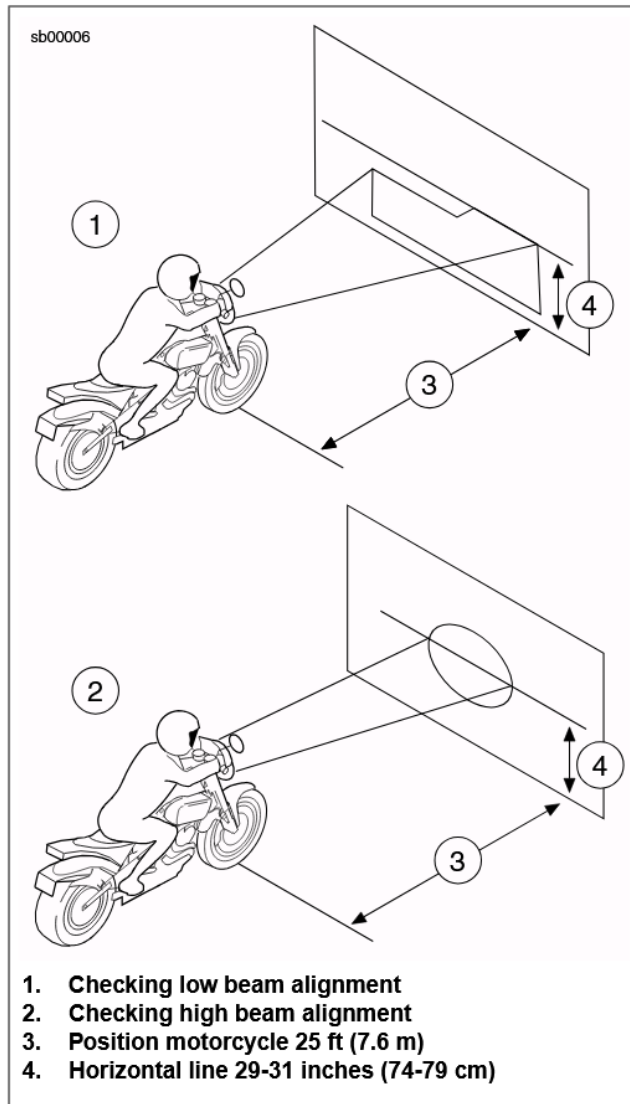


Figure 8. Headlight Alignment

Credit Procedure - U.S. Market/Non-U.S. Market

NOTE

Each vehicle program completion must be filed on an individual claim. Please do not submit additional warranty events on these claims.

Complete an electronic warranty claim referencing Service Bulletin B-076A for each vehicle serviced. Based upon the type of claim, fill in the rest of the form as follows.

Table 6. US/CAN

Entry Field	Enter
Claim Type	PPC
Event Problem Part	Y0427.02A8
Quantity	Leave blank
Primary Labor Code*	5255
Time	0.4
Customer Concern Code*	0501
Condition Code	9981
Replacement Part #	94624Y
Quantity	1
* These new codes may need to be downloaded into your system.	

Table 7. EUR

Entry Field	Enter
Claim Type	PPC
Event Problem Part	Y0427.02A8
Quantity	Leave blank
Primary Labor Code*	5256
Time	0.4
Customer Concern Code*	0501
Condition Code	9982
Replacement Part #	94625Y
Quantity	1
* These new codes may need to be downloaded into your system.	

Table 8. AUS/ENG/JPN

Entry Field	Enter
Claim Type	PPC
Event Problem Part	Y0427.02A8
Quantity	Leave blank
Primary Labor Code*	5257
Time	0.4
Customer Concern Code*	0501
Condition Code	9983
Replacement Part #	94626Y
Quantity	1
* These new codes may need to be downloaded into your system.	

Upon the timely receipt and processing of the claim, you will be credited 0.4 hour of labor for performing the replacement procedure stated above, plus appropriate market administrative time. No credit will be issued for the parts as they were sent free of charge.

Upon receipt and processing of the properly completed warranty claim, hold the replaced parts for 60 days according to normal warranty procedure. Parts affected by this program do not have to be returned.

HARLEY-DAVIDSON MOTOR COMPANY
P.O. BOX 594, MILWAUKEE, WI U.S.A 53201
RECALL AND PRODUCT CAMPAIGN ORDER FORM

B-076 PRODUCT PROGRAM 0501

TYPE CODE	ORDER TYPE	VEHICLE IDENTIFICATION NUMBER(S)
RC	RECALL	
PC	PRODUCT CAMPAIGN	

ORDER DATE
DEALER NUMBER

QUANTITY	PART NUMBER	ITEM
	94624Y – US/CAN	Code 0501: 2003-2006 FIREBOLT HEADLIGHTS NOTE: All orders are subject to approval. You may not receive the total quantity of kits ordered due to parts availability. If this happens, please submit another order for the balance, following all order procedures indicated in the Service Bulletin. Fax orders to the warranty department: 414-343-8346. You must include VIN number and your dealer number.
	94625Y – EUR	
	94626Y – AUS/ENG/JPN	

ALL ORDERS SUBJECT TO ACCEPTANCE AT MILWAUKEE, WI USA 53201

NOTE: An order acknowledgement is automatically generated and faxed to your dealership's fax number as listed in GDIS the same day as your order is entered at HDMC. This acknowledgement will provide you with the order status and order number. To retrieve order information based on the Harley-Davidson order number, go to P&A Order Inquiry on h-dnet.com under the Parts and Accessories link, select H-D Order Number, enter the order number and click "Submit". At the bottom of the page, click on "Track Part" to view tracking information for the order.

SAMPLE COPY

July 7, 2008

Dear Buell Motorcycle Owner:

Our records indicate you are the owner of a 2003-2006 Buell XB9R or XB12R Firebolt model motorcycle. Buell Motorcycle Company has determined that headlight assemblies on some 2003-2006 Buell Firebolt models have a reflective material which can potentially degrade over time and reduce light output.

In the interest of customer satisfaction, Buell Distribution Company, LLC is offering a no cost replacement of the low-beam and high beam headlight assemblies on the affected motorcycles.

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 no-cost service performed. The service 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. Kit availability at your dealership will begin the week of 7/14/08.

This no cost offer will expire two years from the date of the program announcement which would be July 2, 2010.

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

If you have replaced the headlight assemblies for loss of reflective material prior to receiving this notification, you may be eligible to receive reimbursement for that expense. For more information in the United States contact Buell Distribution Company, LLC at 1-414-343-8400. In other markets please contact your regional Buell Customer Service Center.

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