

SERVICE BULLETIN



B-066

Safety Recall Code 0833

February 12, 2007

2006-2007 ULYSSES XB12X BANK ANGLE SENSOR RECALL

Purpose

Buell Motorcycle Company has determined that a condition affecting motor vehicle safety exists on certain 2006 and 2007 Buell Ulysses XB12X motorcycles. These vehicles may have a vibration at the mounting location of the bank angle sensor which, if combined with the misrouting of various wires that impinge on the sensor or its pigtail, can compromise the isolation of the bank angle sensor. Under certain circumstances, this may create a false "tip" signal and cause the engine to quit while an operator is riding the motorcycle. This could result in an accident, which could cause injury or death to the rider.

In the interest of motor vehicle safety and customer satisfaction, Buell Motorcycle Company has elected to initiate a voluntary recall (Campaign 0833) to move the BAS from the original location on the battery tray, to the current production location on the seat latch. As required by law, you may sell but not deliver any affected motorcycles to your customers until the remedy is completed,

Motorcycles Affected

This recall applies to 2006 and 2007 Ulysses XB12X model motorcycles built from March 24th, 2005 through October 5th, 2006. 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/Safety Campaign and Open VIN lists. Select 0833 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

In accordance with Federal regulations administered by NHTSA, Buell Motorcycle Company will provide notice to all owners of record of affected products with direction to bring the vehicle in for the recall service.

To protect the safety of our riders, it is our mutual responsibility to ensure the recall service is performed on all affected motorcycles. Therefore, we strongly urge you to perform the recall service even if the motorcycle was not purchased from your dealership.

You are also required to perform the recall service on all affected vehicles in your dealership inventory prior to delivering, renting or leasing those vehicles.

If you are not sure that a safety recall has been completed on a particular motorcycle, check the recall records available on TALON and h-dnet.com.

IMPORTANT NOTE

Because only registered owners will receive notification from us, we request that you contact any owners of vehicles that your records show as unregistered. Advise them of the safety recall and make arrangements for them to come in for recall service. We also require that you provide us with their names, addresses and V.I.N.s as soon as possible to enable us to mail them an owner's letter, as required by the National Traffic and Motor Vehicle Safety Act (as amended).

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									

Kit Ordering Information

Initial wave shipments of recall kits (Part No 94504Y) will be made the week of February 26, 2007. All kits will be shipped no charge transportation paid via UPSI.

If additional kits are needed, fill in the attached order form and fax it to the Warranty department at 414-343-8346. You must include your dealer number.

NOTE

No kit orders will be accepted prior to the termination of the wave shipment date. Orders received prior to the termination of the wave shipments **will be discarded**. Termination notice of wave shipments will be sent.

Upon completion of the recall on any vehicle, please be certain to follow the instructions listed under "Credit Procedure", and submit your recall claims promptly.

Required Dealer Action

NOTE

For both 2006 and 2007 models, refer to the 2007 Buell Ulysses Model Service Manual (Part No. 99494-07Y).

Removal

1. Remove seat

WARNING

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

2. Disconnect negative battery cable
3. See Figure 1. Remove screws and washers to detach BAS.
4. Unplug bank angle sensor connector and remove BAS.

Installation

1. See Figure 2. Install bank angle sensor to the underside of the mounting bracket with original fasteners. Tighten fasteners to 12-36 in-lbs (1.4-4.1 Nm).
2. Connect harness extension cord to main harness connector [134].
3. See Figure 4. Route the harness extension cord under the ECM and along the right tail section to the tail loop.
4. Route the harness extension cord below the rear auxiliary power outlet and behind the seat latch bracket.
5. Connect harness extension cord to BAS.
6. See Figure 4. Install the BAS mounting bracket to seat latch bracket using the original seat latch fasteners. Tighten the fasteners to 60-96 in-lbs (6.7-11 Nm).
7. See Figure 3. Using the wire retaining clips with self adhesive backing, attach the harness extension cord to the right tail section.
8. Connect negative battery cable. Tighten fastener to 72-96 in-lbs (8-11 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)

9. Install seat

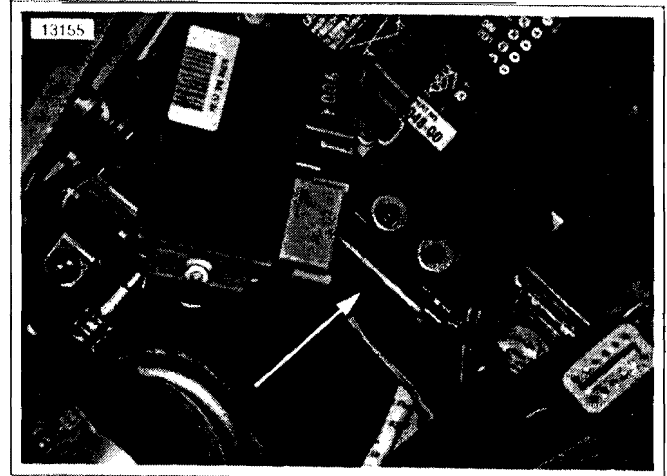


Figure 1. Bank Angle Sensor (current location)

NOTE

It is not necessary to disconnect the ECM to remove the BAS (The ECM was disconnected for photo purposes only)

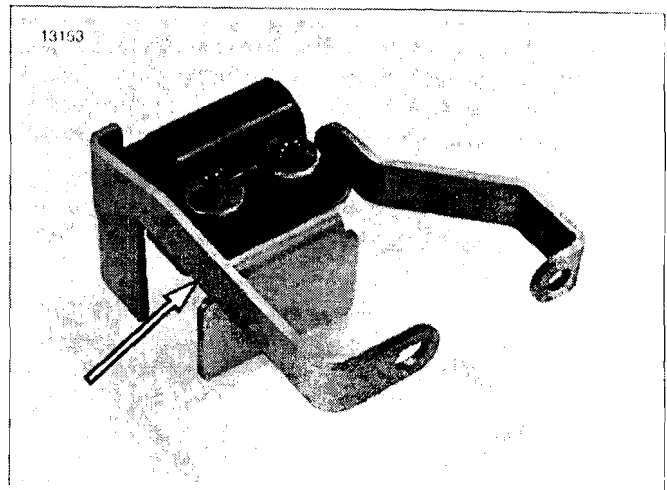


Figure 2. Bank Angle Sensor Bracket (Mounting bracket turned upside down for clarity)

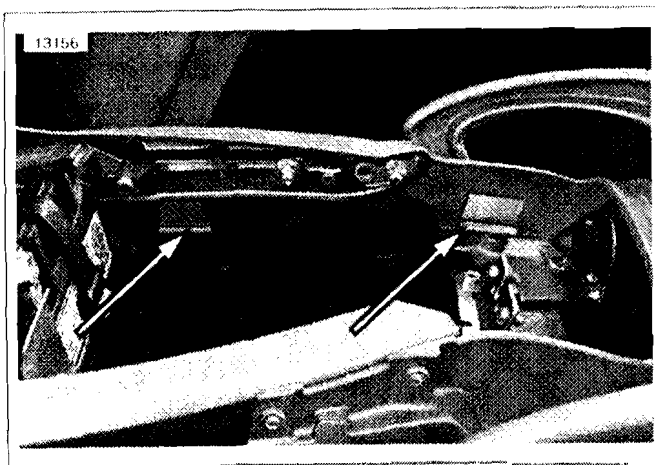


Figure 3. Extension Cord Retaining Clips

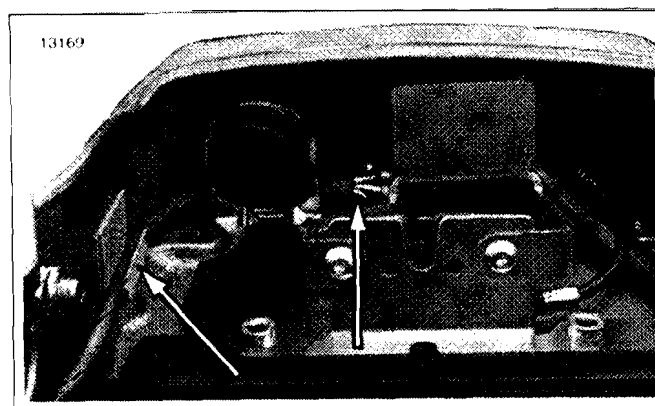


Figure 4. Correct Routing for the Harness Extension Cord with Bank Angle Sensor Mounted Correctly

Table 1. Recall Kit Parts List 94504Y

Quantity	Part No.	DESCRIPTION
1	L0056.2AK	Bracket
1	Y0466.2AK	Extension cord
2	Y1001.2AK	Retaining clips

Credit Procedures for all Talon/ h-dnet.com/Lightspeed Warranty Claim Users

Upon receipt of the properly completed recall claim, you will be credited 0.3 hours of labor for performing the procedure, plus appropriate market administrative time.

For each vehicle serviced, file an electronic recall claim as follows:

**Table 2. Credit Procedures for Talon/
h-dnet.com/Lightspeed**

ENTRY FIELD	ENTER
Claim Type	SRC
Problem Part	S0131.02A8
Quantity	Leave Blank
* Primary Labor Code	7872
Time	0.3
* Customer Concern Code	0833
Condition Code	9981
Relocation Kit Part No.	94504Y
Quantity	1
*These new codes may need to be downloaded into your system.	

NOTE

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

Credit Procedures for all other Warranty Claim System Users

For each vehicle serviced, file a claim supplying all necessary information as follows.

Dealer Number

Repair Order Number

Claim Date

Product Campaign (0833)

Fix ID (C)

Full seventeen-character V.I.N

Upon receipt of the properly completed recall claim, you will be credited 0.3 hours of labor for performing the procedure, plus appropriate market administrative time.



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NAME _____
ADDRESS _____
CITY/STATE/ZIP _____

SAME

TYPE CODE	ORDER TYPE	VEHICLE IDENTIFICATION NUMBER
R	REGULAR	
P	POLICE	
D	DOWN VEHICLE	
W	WARRANTY	
RC	RECALL	

DEALER ORDER	
ORDER DATE	
DEALER NO.	
ORDER TYPE	RC
WARRANTY CLAIM NO.	

FOR OFFICE USE ONLY	
ACCT.	174-801.7
FRT. ACCT	174-801.7

[illegible]

PLEASE USE PART NUMBERS
DO NOT USE FOR
CORRESPONDENCE

ALL ORDERS SUBJECT TO ACCEPTANCE AT MILWAUKEE, WI 53201

All goods covered by this order, including goods to be pre-ordered, will be billed at prices current at the time of shipment. Goods are purchased for resale and delivery is made to purchaser F.O.B. factory, Milwaukee, Wisconsin or point of origin. If accepted, this order as accepted shall be subject to availability of goods to seller for delivery to purchaser. Any delay in shipment shall not relieve purchaser of responsibility for his accepted order and seller shall not be liable for any loss or damage due to delay in shipment or failure to deliver. Any request for cancellation of this order or any part thereof must be received by seller prior to the date of shipment, and in case of reacceptance or return of goods to seller, purchaser shall pay the entire cost connected therewith, plus zero ten or twenty-five percent of selling price, as determined by Company policy from time to time, as stipulated damages for loss of sale. Purchaser will be responsible for collection and payment of all Federal, State and local taxes that apply on the resale sales.

PLEASE USE PART NUMBERS
DO NOT USE FOR
CORRESPONDENCE

PRINTED
IN U.S.A.



BUELL MOTORCYCLE COMPANY
3700 WEST JUNEAU AVE. MILWAUKEE, WI 53201
414.342.4680 | buell.com

SAMPLE COPY

Dear Buell Motorcycle Owner:

This notice is being sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Buell Distribution Company, LLC, has decided that a defect relating to motor vehicle safety exists on 2006 and 2007 Buell Ulysses XB12X model motorcycles built between March 24, 2005 and October 5, 2006.

These model motorcycles built between the dates above may have a vibration at the mounting location of the bank angle sensor which, if combined with the misrouting of various wires that impinge on the sensor or its pigtail, can compromise the isolation of the bank angle sensor. Under certain circumstances, this may create a false "tip" signal and cause the engine to quit while an operator is riding the motorcycle. This could result in an accident, which could cause injury or death to the rider.

Our records indicate that you purchased one of the model motorcycles listed above that may have the condition involved in this recall.

We strongly urge you to contact your dealer to make arrangements to have the appropriate service performed as soon as possible.

Please contact your Buell motorcycle dealer immediately and arrange an appointment to move the BAS from the original location on the battery tray, to the current production location on the seat latch. The actual dealer labor time to perform this service will be less than one hour; however, due to scheduling, the dealer may require your motorcycle for a longer period of time. The parts and labor will be free of charge to you. Recall kits will be available at your dealership beginning the week of February 26, 2007.

To verify that the service has been completed, your Dealer will ask you to sign a recall claim. If you have sold your motorcycle, please forward the appropriate information about your purchaser. This will enable us to contact him/her and advise that person of this recall. Also, Federal regulation requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

If you have had this defect repaired before you received this letter, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall. For more information contact Buell Distribution Company, LLC at 1-414-343-8400. Should you choose to ride your motorcycle prior to this service, we urge you to be aware of this condition.

If you take your motorcycle to your dealer on a mutually agreed upon date and they do not perform the required service to your satisfaction, please contact Buell Distribution Company, LLC, for immediate assistance at the address or telephone number listed on this letterhead. If your dealer or Buell Distribution Company, LLC, fails or is unable to remedy your motorcycle without charge within a reasonable time, you may wish to inform the Administrator, The National Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590, or call the toll-free Auto Safety Hotline at 1-888-DASH-2DOT (TTY: 1-800-424-9153); or contact NHTSA at <http://www.safercar.gov>.

We regret any inconvenience this may cause you, but we are initiating this action in the interest of your personal safety and satisfaction with our products. Thank you for your cooperation.

Sincerely,

Buell Distribution Company, LLC
0839