

-J04349

2006-12-21

WIRE HARNESS KIT, WITH BAS RELOCATION BRACKET

GENERAL

Kit Number

Y0136.1AKA and Y0156.1AKA

Models

This kit fits 2006-2007 XB12X Ulysses models.

Additional Parts Required

▲ WARNING

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333b)

NOTE

This instruction sheet references Service Manual information. A Service Manual for your model motorcycle is required for this installation and is available from a Harley-Davidson dealer.

Kit Contents

Table 1. Kit Contents (Y1036.1AKA)

Description (Quantity)	Part Number
Label Set (1)	C1078.3A8B
Bracket, Bank Angle Sensor (BAS) (1)	L0056.2AK
Main Wire Harness (1)	Not Sold Separately

Table 2. Kit Contents (Y1056.1AKA)

Description (Quantity)	Part Number
Label Set (1)	C1078.3A8B
Bracket, Bank Angle Sensor (BAS) (1)	L0056.2AK
Label, Battery Warning, Japan (1)	Not Sold Separately
Main Wire Harness (1)	Not Sold Separately

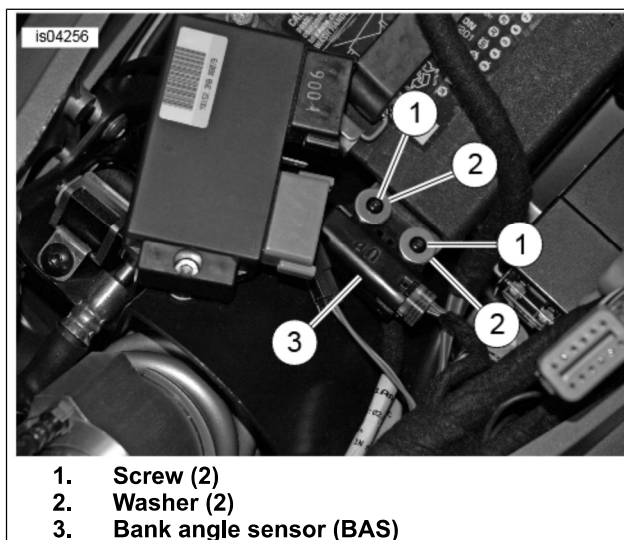
INSTALLATION

▲ WARNING

Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00049a)

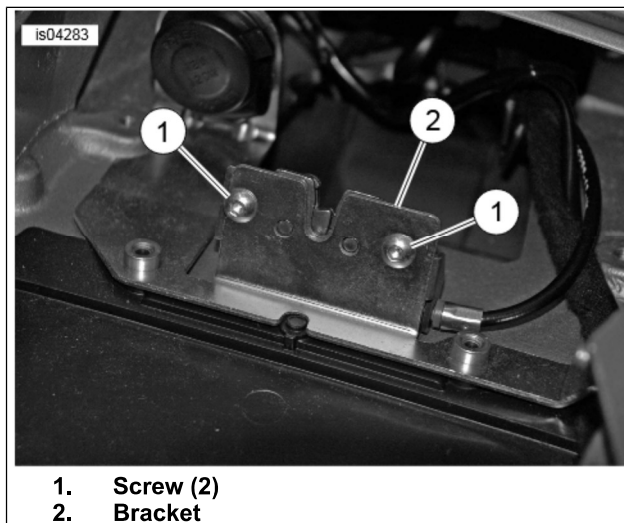
1. Disconnect battery cables, negative (-) cable first.
2. Remove main wire harness from vehicle. Refer to MAIN WIRE HARNESS REMOVAL in Service Manual.

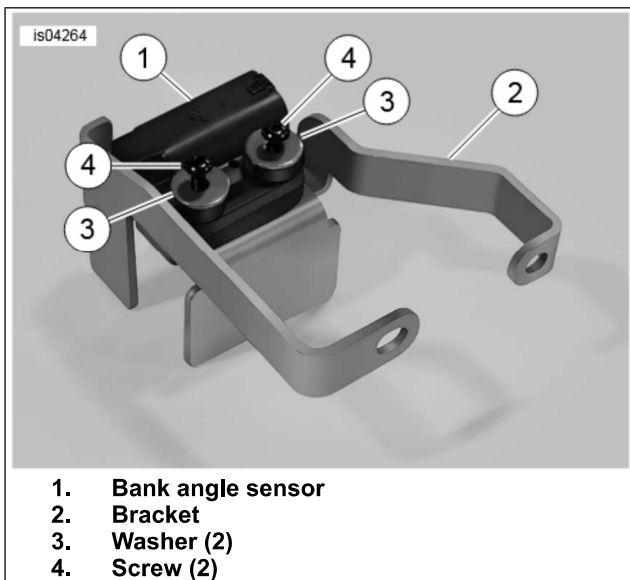
3. See Figure 1. Remove screws (1), washers (2), and bank angle sensor (BAS) (3).

**Figure 1. Existing Bank Angle Sensor (BAS)****NOTE**

This kit upgrades the main wiring harness to the current design specifications. It also allows for the relocation of the bank angle sensor (BAS) from under the Electrical Control Module (ECM) to the seat latch bracket by using the bracket included in the kit.

4. Install main wire harness from kit. Refer to MAIN WIRE HARNESS INSTALLATION in Service Manual.
5. See Figure 2. Remove screws (1) from seat latch bracket (2).

**Figure 2. Seat Latch Bracket**



1. Bank angle sensor
2. Bracket
3. Washer (2)
4. Screw (2)

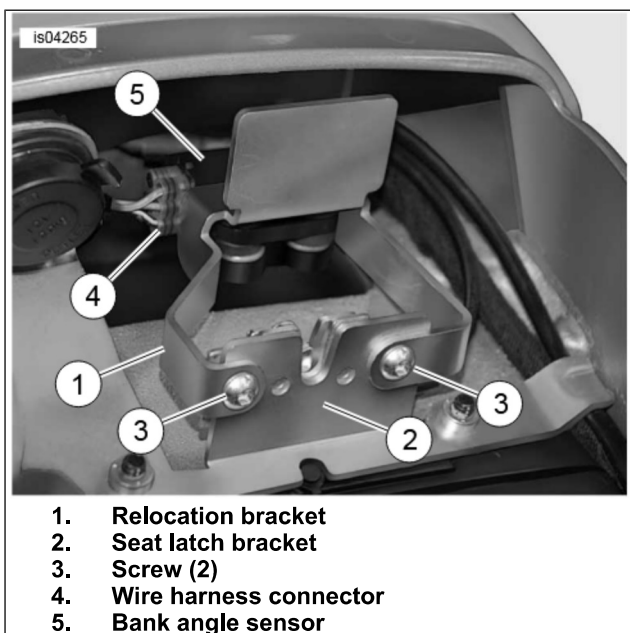
Figure 3. Assemble Bank Angle Sensor to Bracket

6. See Figure 3. Assemble bank angle sensor (1) to bracket (2) from kit using washers (3) and screws (4). Tighten screws to 12-36 **in-lbs** (1.4-4.1 Nm).
7. See Figure 4. Install relocation bracket (1) from kit to seat latch bracket (2) using screws (3). Tighten screws to 60-84 **in-lbs** (6.8-9.5 Nm).
8. Plug wire harness connector (4) into bank angle sensor (5).

⚠ WARNING

Connect positive (+) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00068a)

9. Install positive battery cable (red) to positive terminal of battery. Tighten fastener to 72-96 **in-lbs** (8-11 Nm).



1. Relocation bracket
2. Seat latch bracket
3. Screw (2)
4. Wire harness connector
5. Bank angle sensor

Figure 4. Install Bank Angle Sensor and Bracket

10. Connect negative battery cable. Tighten fastener to 72-96 **in-lbs** (8-11 Nm).
11. Verify operation of all electrical components.
12. Install windshield and windscreen. Refer to WINDSHIELD AND WINDSCREEN in Service Manual.

⚠ 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)

13. Install seat according to the instructions in the Service Manual.