

SERVICE BULLETIN

M-1244

April 14, 2009



Advanced Audio Navigation Set-UP/Satellite Acquisition

Purpose

In manufacturing, a faulty integrated circuit (IC) was inadvertently installed in Advance Audio System GPS Navigation modules. Select Harley-Davidson Navigation modules have been unable to acquire sufficient satellite signals to calibrate the unit. The suspect modules are identifiable by the date codes: 1428-0559.

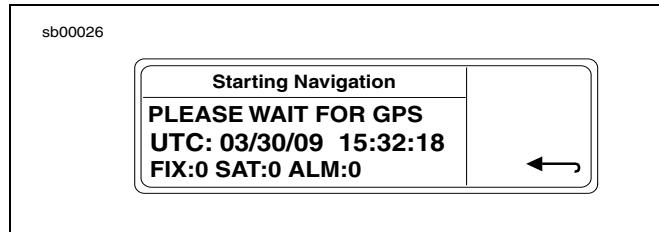


Figure 1. PLEASE WAIT FOR GPS Display

Motorcycles Affected

2006-2009 Touring Models with a recently installed Advanced Audio System Navigation kit or 2009 FLHTCUSE4 models with AAS Navigation. All navigation modules with a package date after 5/1/08 in P&A kits in inventory should be inspected as well.

Kit Information

Table 1. Part Numbers

Item	Part No.
GPS Navigation Module	76167-06A
Advanced Audio Navigation System	76471-06A 76401-06

Please see Warranty Bulletin 132D for ordering details.

Required Dealer Action

Verify Symptom

1. Turn on the Advanced Audio System receiver.
2. Press and hold the NAV push button to display the NAV Setup menu (1).
3. Inspect the navigation CD for scratches and other damage. Clean and install the CD.
4. See Figure 1. If the Advanced Audio System Navigation continuously displays PLEASE WAIT FOR GPS message, refer to the electrical diagnostic manual.
5. Start at the top of the Advanced Audio System Symptoms Navigation Inoperative: Symptom 14 diagnostic flow chart.

Identify the Date Code

1. See Figure 2. Remove the outer fairing. See the service manual.
2. See Figure 3. Inspect the label on the navigation module.
3. If the date code is between 1428 and 0559 and the fault exists, replace the navigation module.
4. If the navigation module date code is outside of the date code range, continue to troubleshoot using the Navigation Inoperative: Symptom 14 diagnostic flow chart in the electrical diagnostic manual.

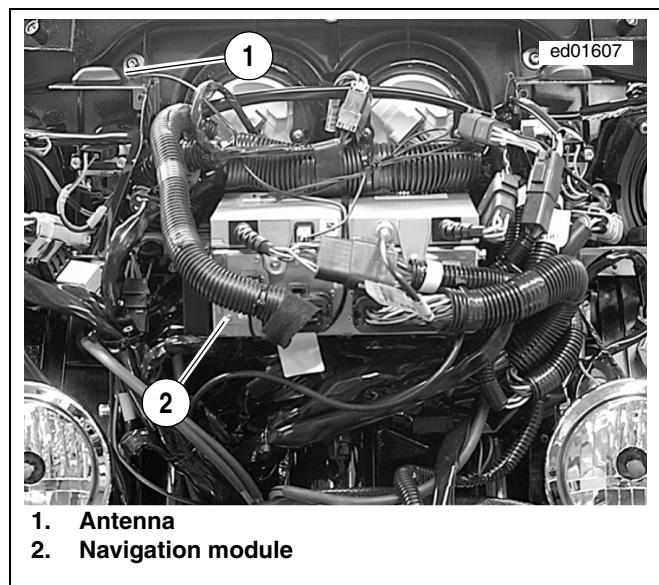


Figure 2. Inside Outer Fairing

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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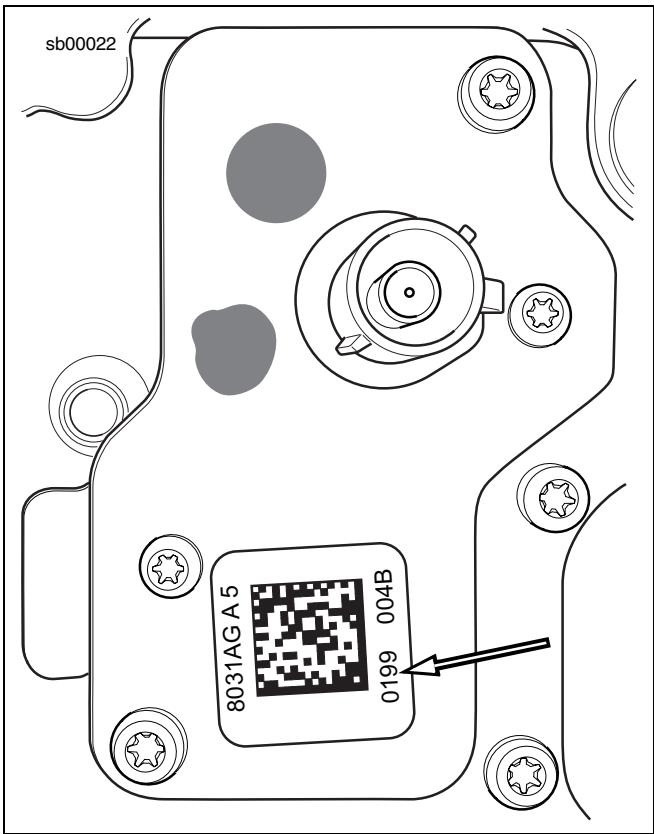


Figure 3. Navigation Module: Date Code (DDDY)

Replace the Navigation Module

CAUTION

There are no serviceable parts inside the unit; leave all servicing to qualified service personnel. Disassembly of the unit could result in equipment damage and/or equipment malfunction. (00172a)

1. See Figure 4. Remove the antenna connector [193B] on the back of the navigation module.
2. Remove the two fasteners (2).
3. Pull the navigation module (1) out of the receiver.

NOTE

The navigation module fits into the receiver only one way. Orient the module with the antenna connector [193B] on top.

4. Slide the **new** navigation module into the receiver until it stops making gentle contact with the internal connector.
5. By feel, verify alignment with the internal connector and then push the module an additional 1/8 in. (3 mm) to seat the module.
6. Tighten the two fasteners.
7. Join the antenna connector [193B] housing.

NOTE

Replace the outer fairing after calibrating the replacement module.

8. Install the main fuse.
9. Initialize the Navigation System.

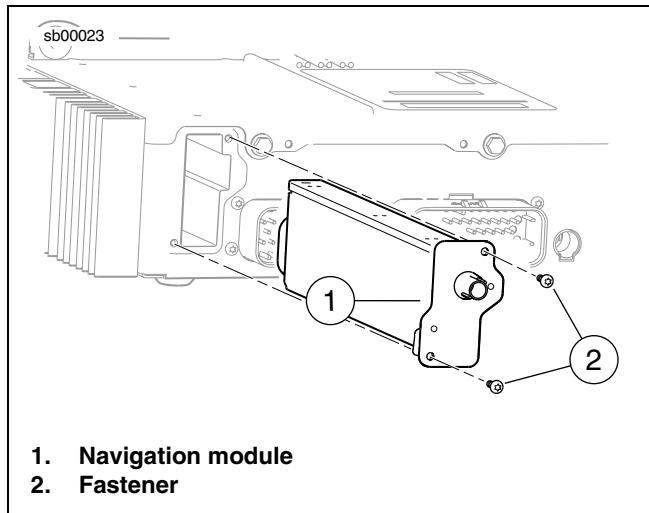


Figure 4. Navigation Module

Initialize the Navigation System

1. Park the motorcycle outside in a clear space 15 ft (4.6 m) from any metal structures and with a clear line of sight to the sky.
2. Turn on the Advanced Audio System receiver.
3. Press and release the NAV push button to display the navigation screen Warning screen. Press OK.
4. Inspect the navigation CD for scratches and other damage. Clean and install the CD.
5. Watch the Starting Navigation display or:
 - a. Press and hold the NAV push button to display the NAV Setup menu.
 - b. Select Sensors from the menu.
6. See Figure 5. The navigation module has acquired a 3-D fix when the display indicates:
 - GPS: Fix3 (1)**
 - SAT: 4 (2)**
 - ALM: 24 (3) (or greater).**
7. After acquiring a 3-D fix and confirming system function, install the outer fairing.

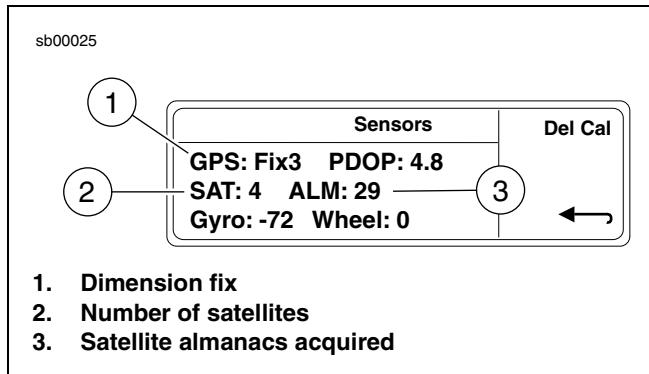


Figure 5. NAV Setup/Sensors Display

Calibration Ride

Before selecting a destination, ride the motorcycle approximately 0.5 mi (0.8 km) so the system can calibrate the signals from the VSS to the coverage map data and the GPS fix.

Credit Procedure - 2009 CVO FLHTCUSE4 Only

For each repair made, file an electronic claim as follows:

**Table 1. Credit Procedure - 2009 CVO
FLHTCUSE4 Only**

Claim Type	PRD/RAD
Event Problem Part No.	From table on page 1
Quantity	Leave blank
Primary Labor Code	6182
Time	0.4 hrs.
Customer Concern Code	9203
Condition Code	6182

Please reference Service Bulletin M-1244 in the comment section of each claim. Upon receipt of the properly completed claim, you will receive credit for labor only as parts were sent no charge.

**Table 2. Credit Procedures -
All other Scenarios**

Claim Type	DFS
Event Problem Part No.	From table on page 1
Quantity	Leave blank
Primary Labor Code	Leave blank
Customer Concern Code	9203
Condition Code	6182
Detail Labor Code	8888
Time	0.4 hrs.

Please reference Service Bulletin M-1244 in the comment section of each claim. Upon receipt of the properly completed claim, you will receive credit for labor only as parts were sent no charge.