SERVICE BULLETIN

ADVANCED AUDIO SYSTEM SOFTWARE UPDATE

Purpose

Since introduction, customers of Touring models equipped with the Advanced Audio System by Harman/Kardon® may have experienced the following issues:

- Blank displays.
- Display lockup after inserting a Compact Disc (CD).
- A time display that does not set properly.
- Low or no audio.

Technicians, when troubleshooting with Digital Technician, have experienced phantom speaker codes B2016 and 2020 where no fault exists.

Updating the receiver from early software versions, v6.8.0 or v7.4.0, to v7.8.0 will correct these faults and make the receiver compatible with options including the GPS Navigation System.

Update software will be shipped to dealers on CDs and will also be posted on the Internet (www.harley-davidson.com) for either customer or dealer access.

- Dealership Update Shipment: 10-15-05 (approx.)
- Internet Update Posting: 10-20-05 (approx.)

Motorcycles Affected

2006 Touring Models equipped with OE Advanced Sound System receivers (Part No. 76160-06) and models fitted with the Genuine Harley-Davidson® Advanced Audio AM/FM/CD Radio Kit (Part No. 76412-06).

Customer Notification

Customers should be encouraged to visit www.harley-davidson.com on the Internet. Direct them to select the Touring category from the 2006 Harley-Davidson Motorcycles window in order to access the Advanced Audio System topic heading and click on the photo of the AAS receiver for more information on the Advanced Audio System, optional components and information on software version updates.

Additional software update CDs can be written from files copied from this site or ordered through SPX Kent-Moore (Part No. HD-48097).

Required Dealer Action

Update the receivers during the PDI, a P&A installation of existing inventory, during the next recommended maintenance interval service or if a customer is experiencing any of the issues listed above. For each Touring Model motorcycle produced prior to October 1, 2005 equipped with an Advanced Audio System:

Identify Software Version Number.

Update Receiver Software.

Confirm Update Version Number.

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	TECHNICIAN NO. 4	RETURN THIS TO
INITIAL HERE									

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Identify Software Version Number

The receiver should be in a radio (FM) mode prior to the update. Other modes interfere with the automatic process.

1. Turn the ignition/headlamp key switch to OFF.

2. Simultaneously press and hold any two soft keys (**1**, **2**, **3**, **4**, **5**, or **6**).

3. Turn the ignition/headlamp key switch to ACCESS.

4. See Figure 1. Continue to hold the two soft keys while the Harley-Davidson Bar and Shield logo (1) is displayed. The display will cycle to Diag Test (2).

5. Press the Software (3) or number **4** soft key to display the software version number (4).

   a. If the software version number is lower than 7.8.0, **Update Receiver Software** with the v7.8.0 update CD.

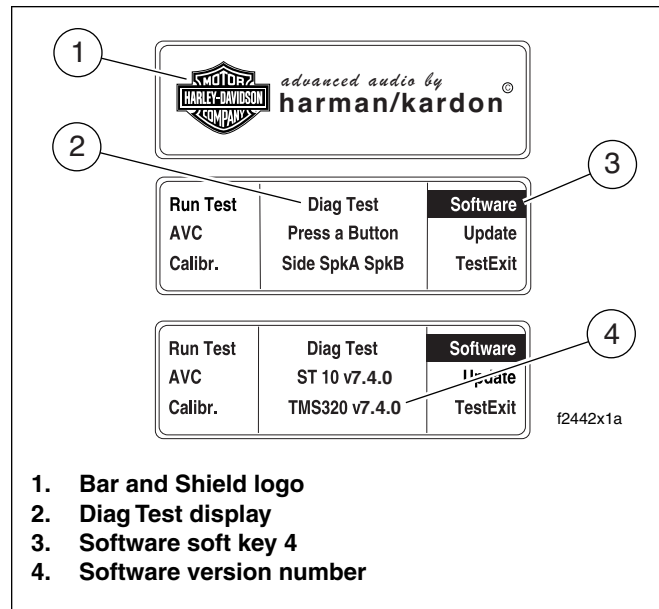   b. Receivers with v7.8.0 or higher will not need to be updated.

Update Receiver Software

NOTE
Eject any current CD (open the CD cover and press the eject pushbutton).

1. See Figure 2. In the Diag Test display, press the Update (1) or number **5** soft key to open the Update Radio display.

2. To update the radio, follow the text prompt, Insert CD (2), and insert the v7.8.0 update CD.

NOTE
The CD will automatically initiate the download to the receiver. Updating the radio will take up to 7 minutes.

● *The text message, Verifying DSP Image (3), is displayed as the percentage of download is updated.*

● *An automatic power down and up, will proceed the text message, SUCCESSFUL (4).*

● *Sequentially, ICB COMM (5), Get Loader (6), and Flashing Image (7), text messages will be displayed as the percentage of download is updated.*

● *The receiver will again automatically power down and up.*

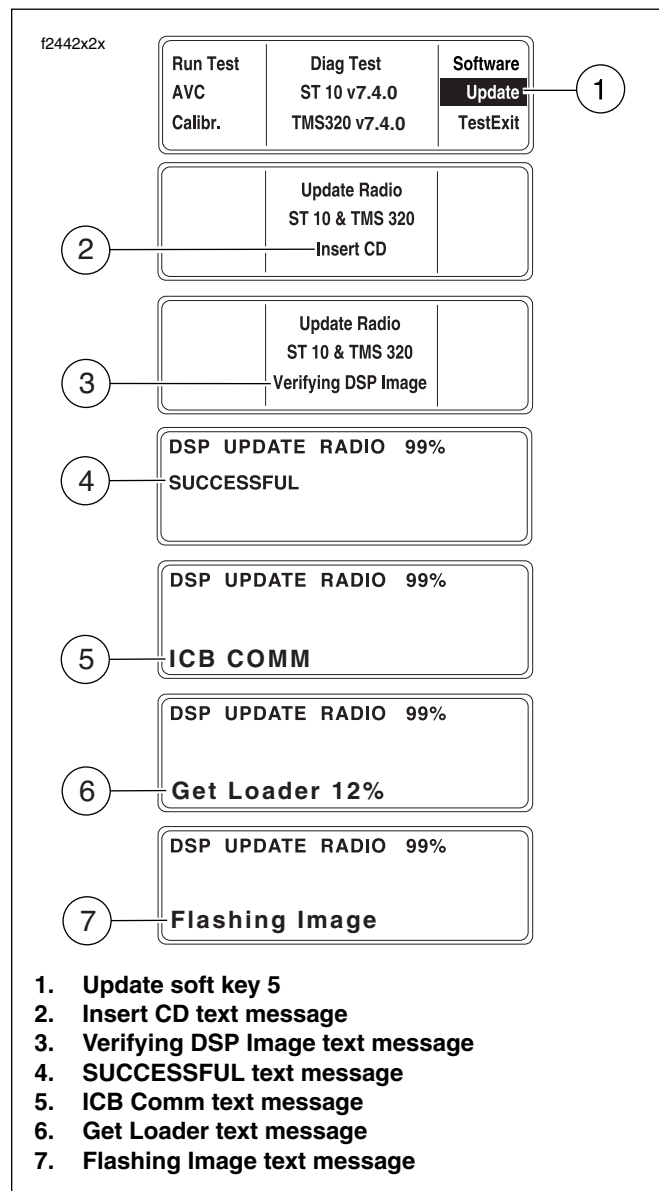3. After the final automatic power down and up, **Confirm Update Version Number**.

1. **Bar and Shield logo**
2. **Diag Test display**
3. **Software soft key 4**
4. **Software version number**

Figure 1. Identify Software Version Number

1. **Update soft key 5**
2. **Insert CD text message**
3. **Verifying DSP Image text message**
4. **SUCCESSFUL text message**
5. **ICB Comm text message**
6. **Get Loader text message**
7. **Flashing Image text message**

Figure 2. Update Receiver Software

Confirm Update Version Number

1. Turn the ignition/headlamp key switch to OFF.

2. Simultaneously press and hold any two soft keys (**1**, **2**, **3**, **4**, **5**, or **6**).

3. Turn the ignition/headlamp key switch to ACCESS.

4. Continue to hold the two soft keys while the Harley-Davidson Bar and Shield logo is displayed. The display will cycle to Diag Test.

5. See Figure 3. Press the Software (1) or number **4** soft key to display the software version number (2).

6. Compare the displayed software version number to that on the update CD. If the version number is different from v7.8.0, start over with **Update Receiver Software.**

7. If both version numbers in the display are v7.8.0, press the TestExit (3) or number **6** soft key. The display will open to the current receiver mode.
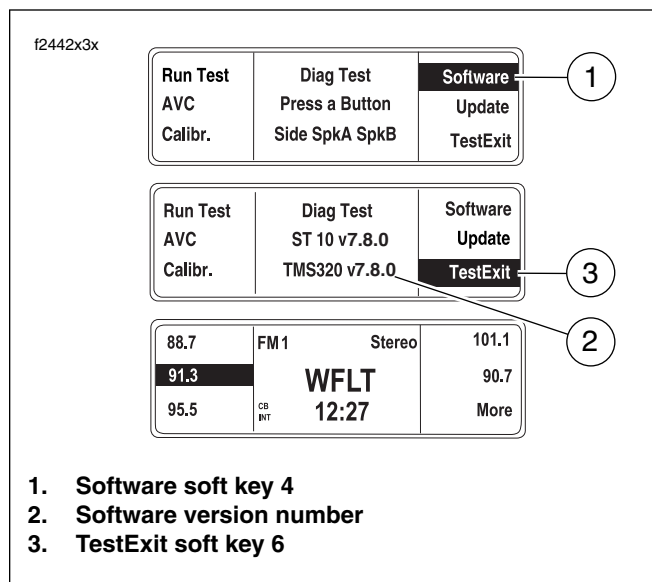

1. **Software soft key 4**
2. **Software version number**
3. **TestExit soft key 6**

Figure 3. Confirm Update Version Number

Credit Procedure

For each motorcycle requiring an Advanced Audio System software update, complete a regular warranty claim referencing Service Bulletin M-1176 in the 'Comments' or 'Note' field of the claim. Fill in the rest of the claim as follows:

Table 1. Warranty Claim Entries

FIELD	ENTER
Claim Type / Problem Part No.	PRD / 76160-06 RAD / 76160-06 or 76160-06REFURB PNA / 76412-06 (Available in Applicable Markets
Quantity	Leave Blank
Customer Concern Code	9203
Description	Advanced Audio Software Update
Condition Code	6161
Primary Labor Code	6161
Time Allowed	0.2

Upon receipt and processing of the properly completed claim, you will be credited the appropriate amount for parts and labor which includes 0.1 hour administration time.