

**FRONT COVER GOES HERE**

Part No:

Title:

Author:

Output Date:

## IMPORTANT NOTICE!

### Safety Definitions

Statements in this manual preceded by the following words are of special significance:

#### WARNING

**WARNING** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury. (00119a)

#### CAUTION

**CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. (00139a)

#### CAUTION

**CAUTION** used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage. (00140a)

Printed in the U.S.A

#### NOTE

*Refers to important information and is placed in italic type. It is recommended that you take special notice of these items.*

## HARLEY-DAVIDSON MOTORCYCLES ARE FOR ON-ROAD USE ONLY

This motorcycle is not equipped with a spark arrester and is designed to be used only on the road. Operation or off-road usage in some areas may be illegal. Obey local laws and regulations. This manual should be considered a permanent part of the motorcycle and should remain with the motorcycle when resold.

**VISIT THE HARLEY-DAVIDSON WEB SITE**  
<http://www.harley-davidson.com>

# YOUR OWNER'S MANUAL

## WE CARE ABOUT YOU

Welcome to the Harley-Davidson® Motorcycling Family! When enjoying your Harley-Davidson motorcycle, be sure to ride safely, respectively and within the limits of the law. Always wear a helmet, proper eyewear and protective clothing, and insist your passenger does too. Never ride while under the influence of alcohol or drugs. Know your Harley® and read and understand your owner's manual from cover to cover. Sign up for a Harley-Davidson Rider's Edge® Course (call 1-800-588-2743 for a course near you) or a Motorcycle Safety Foundation rider course (call 1-800-446-9227 for a course near you). Protect your privilege to ride by joining the American Motorcyclist Association. Visit [www.ama-cycle.org](http://www.ama-cycle.org) for more information.

Your new Harley-Davidson motorcycle is designed and manufactured to be the finest in its field. Your Harley-Davidson motorcycle conforms to all applicable U.S. Federal Motor Vehicle Safety Standards and U.S. Environmental Protection Agency regulations effective on the date of manufacture.

This manual has been prepared to acquaint you with the operation, care and maintenance of your motorcycle and to provide you with important safety information. Follow these instructions carefully for maximum motorcycle performance and for your personal motorcycling safety and pleasure.

Your Owner's Manual contains instructions for operation and minor maintenance. Major repairs are covered in the Harley-Davidson Service Manual. Such major repairs require the attention of a skilled technician and the use of special tools and equipment. Your Harley-Davidson dealer has the facilities, experience and Genuine™ Harley-Davidson® parts necessary to properly render this valuable service. We recommend that any emission system maintenance be performed by an authorized Harley-Davidson dealer.

Harley-Davidson Motor Company

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CMI-X.X-06/05

## CUSTOMER SERVICE ASSISTANCE

Most sales or service issues will be resolved at the dealership. However if an issue arises that your dealer cannot resolve, please follow the procedure below.

1. Discuss your problem with the appropriate personnel at the dealership in the Sales, Service or Parts area. If that proves unsuccessful, speak to the owner of the dealership or the general manager.
2. If you cannot resolve the issue with the dealership, you can contact the Harley-Davidson Customer Service Department by calling (414) 343-4056 or write to:

Attention: Customer Service Department  
Harley-Davidson Motor Company  
P. O. Box 653  
Milwaukee, WI 53201

To avoid delays, please have the following information available to give to the Customer Service Representative:

- \* Your name, address and phone number.
- \* Motorcycle V.I.N. (Vehicle Identification Number) found on the vehicle registration or stamped on the steering head and on a label located on the motorcycle itself.
- \* Name and location of the dealership.
- \* Current mileage.
- \* Clear description of issue.

**PERSONAL INFORMATION**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_

**Vehicle Identification Number:**

\_\_\_\_\_

**Ignition Key Number:**

\_\_\_\_\_

**Security System Personal Code:**

\_\_\_\_ \_  
-- -- -- --

**DEALER INFORMATION**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_

**Sales Contact:**

\_\_\_\_\_

**Service Contact:**

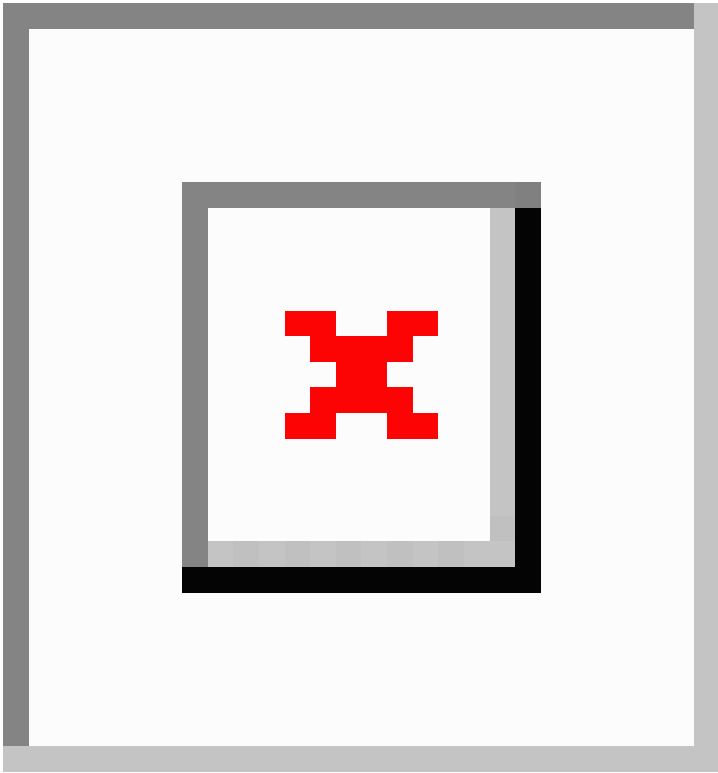
\_\_\_\_\_

**Parts Contact:**

\_\_\_\_\_

This owner's manual illustrates and describes features that are standard or are available as extra cost options. Therefore, some of the equipment shown in this publication may not be on your motorcycle.

Harley-Davidson reserves the right to change specifications, equipment or designs at any time without notice and without incurring obligation.



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## ADVANCED AUDIO SYSTEM

### hdtopic000574\_1

The Advanced Audio System by Harman/Kardon® is based on an electronic unit mounted inside the front fairing of selected Harley-Davidson Touring models.

**For FLHX, FLHTC, and FLTR:** The Advanced Audio System is a multi-band radio receiver that includes a Compact Disc (CD)/MP3 player and an auxiliary (AUX) port for media players.

The receiver is stereo and plays through left and right speakers mounted in the rider fairing.

**For FLHTCU:** The Advanced Audio receiver also supports additional passenger speakers, a rider/passenger intercom and a 40 channel Citizen Band (CB) radio transceiver.

### WARNING

**Do not change compact discs while riding, and do not select a volume level that blocks out traffic noise. Distractions or a volume level that blocks out traffic noise, could cause loss of control resulting in death or serious injury. (00086a)**

### 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)**

### WARNING

**Do not disassemble unit. Laser radiation is present if disc player is disassembled and the interlock fails or is defeated. Exposure to laser radiation could lead to death or serious injury. (00087a)**

### WARNING

**Set intercom volume level and other controls before riding to minimize adjustments on the road. Distractions can lead to loss of control, resulting in death or serious injury. (00088a)**

### STEREO RECEIVER hdtopic000531\_1

The Advanced Audio System stereo receiver is a radio (3 band maximum) with a full function Compact Disc (CD)/MP3 player and an auxiliary (AUX) input.

Auxiliary audio devices can play through the receiver's amplifier and speakers when connected to the AUX input port. Auxiliary

devices included MP3 players, cassette players, and mini-disc players. Additional genuine Harley-Davidson motor accessories that can utilize the **AUX** port include:

- Road Tech™ HA90 MP3/WMA Digital Music Player
- Road Tech™ 75 Radar and Laser Detector
- Road Tech™ Quest Portable GPS Navigation System

Receiver features include:

- Electronic single in-line CD/MP3 player with track up/down, forward and reverse scan, repeat and random play functions.
- CD/CDR/CDRW compatibility.
- MPEG 2.5 Level III (MP3) file format compatibility.
- More than 10 hours of MP3 music - 150 MP3 songs (10 albums) on one 650MB disc.
- Anti-skip protection (>40 second memory and mechanical dampers).
- Remote controls for frequency tuning, band change, CD select, volume, and bass/treble/fader mixing.
- Automatic Volume Control (AVC) - automatically adjusts volume to compensate for ambient noise due to motorcycle speed.
- Time-of-day clock.
- Weather band frequencies displayed as NOAA channel numbers (active on North American units only).

## FRONT PANEL CONTROLS

### hdtopic000532\_1

See Figure 1. The front panel consists of a set of pushbuttons, a liquid crystal display, (LCD), a protective door for the Compact Disc (CD/MP3) slot and a covered input port for auxiliary (AUX) players. Six of the pushbuttons are "soft keys" whose function will change with the display.

### ON

Press **ON** to turn the receiver on and off.

### 1, 2, 3, 4, 5/Left Arrow

For the stereo receiver, the soft keys, **1, 2, 3, 4, and 5/Left Arrow**, are used to store and then recall a selected radio frequency (pre-sets). When combined with any of the Advanced Audio System accessories, the function of any active soft key for that accessory will be displayed next to the soft key in the LCD display.

### 6

Pressing the **6** soft key will return the display to the previous menu. For **CB** and **Intercom Setup**, the function of the **6** soft key will be displayed in the LCD next to the **6** soft key.

### 5/Left, Up, Down, Right Arrows

The **5/Left, Up, Down, and Right Arrow** soft keys are used for radio band frequency tuning, Bass and Treble mixing, Fader and Volume. They are also used to scroll and highlight a selection in a list. For an Advanced Audio System accessory module, the arrow keys are active when arrows appear in the display.

### OK

With a menu or list item highlighted, press the **OK** pushbutton to confirm the selection and initiate the function.

### COM

Active on the FLHTCU or on motorcycles equipped the Advanced Audio System CB accessory, **COM** is the Citizen Band (CB) setup button. See 2006 SOUND SYSTEM, CB Operation. Press the **COM** pushbutton to display the CB Setup menu.

### INT

Active only on the FLHTCU, **INT** is the intercom setup button. See 2006 SOUND SYSTEM, Intercom Operation. Press the **INT** pushbutton to display the Intercom Setup menu.

### NOTE

*With the headsets/microphones plugged into the rider and/or passenger intercom sockets, the intercom is voice activated (VOX).*

### NAV

Active only with the Advanced Audio System accessory, **NAV** is the GPS positioning and turn-to-turn navigation setup button. Press the **NAV** pushbutton to display the navigational menu.

### LCD

The liquid crystal display (LCD) displays the operational status of the stereo receiver and that of any accessory.

### CD Door

The CD door is a spring-loaded cover and will stay open when exchanging CDs.

Close the CD door after loading or unloading a CD. To close the door, push the door down until it latches.

### EJECT

The CD **EJECT** button is found under the CD cover. Press the **EJECT** pushbutton to eject the CD.

### AUX

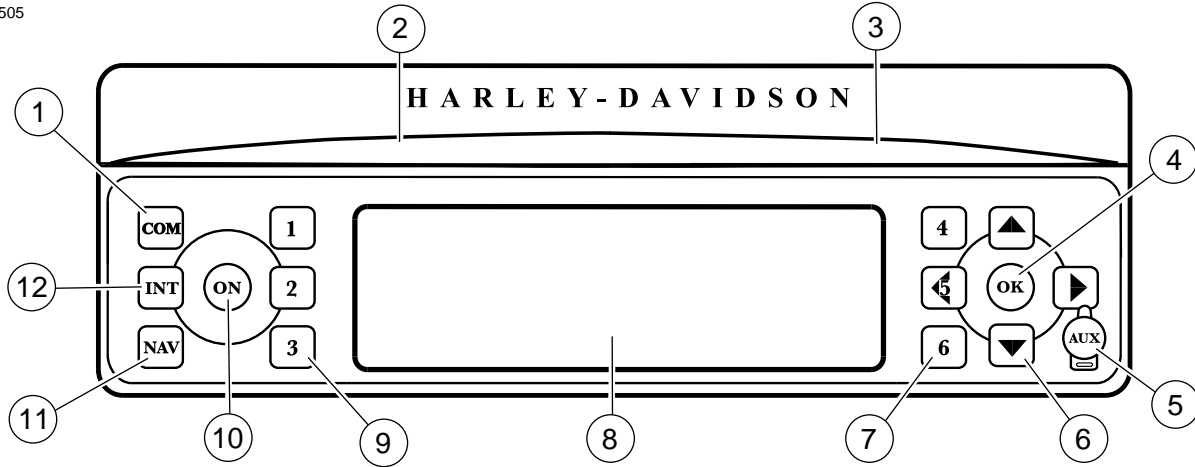
The auxiliary input port under the **AUX** cover connects the receiver to an auxiliary device such as a cassette or MP3 player.

Use a 1/8 in. (3.5 millimeter) male to male extension cord to plug the line out or headset out from the auxiliary device into the **AUX** port. AUX appears in the LCD as a mode selectable with the **MODE SEL** switch.

The user has control of Bass, Treble, Fader and Volume, if so equipped, but all other player functions are performed with the auxiliary device. Set the volume level of the **AUX** device to normal or average.

### NOTE

*Close the protective cap whenever the **AUX** port is not in use.*



- |   |  |
|---|--|
| 1. Communications (CB) setup            | 7. Soft keys (4, 5/Left Arrow, 6)                  |
| 2. CD cover                             | 8. Liquid crystal display (LCD)                    |
| 3. EJECT (under cover)                  | 9. Soft keys (1, 2, 3)                             |
| 4. OK (Confirm)                         | 10. ON key   |
| 5. Auxiliary connector cover            | 11. GPS position and turn-to-turn navigation setup |
| 6. Left (5), Up, Right, Down Arrow Keys | 12. Intercom setup                                 |

Figure 1. Advanced Audio System Front Panel [hdgraphic000604i.xml](#)

## LEFT HANDLEBAR CONTROLS

### hdtopic000533\_1

See Figure 2. Easy to operate while riding, audio controls are mounted on the left hand switch housing on the left handgrip.

**For FLHX and FLHTC:** The left hand audio control is an **+ /AUDIO /-** switch.

**For FLHTCU and FLTR:** The left hand audio controls are a **+ /AUDIO /-** and a **PTT + /SQ /-** switch. On FLTR models, the **PTT + /SQ /-** switch is inactive.

### **+ /AUDIO /- Switch**

**AUDIO:** See Figure 2. Press the **AUDIO** switch to access the Audio/Setup menu on the LCD. Press and release **AUDIO** or the press the soft key to toggle to the next displayed function in sequence from Bass, to Treble, to Fade, to Display, to Volume and then to AVC.

If the **AUDIO** switch is left on any selection the function automatically reverts back to the selected mode after approximately 2-3 seconds.

**+ /-:** Pressing the **AUDIO** switch upward (+) raises the level for the currently selected Audio/Setup (Bass, Treble, Fade, Volume or AVC). Pressing the switch downward (-) lowers the level.

The level is raised or lowered as long as the switch is held until the minimum or maximum level is reached.

The LCD displays a horizontal dashed line to indicate the level. In the center of the line is a single thin dash. When the level is at the center, the selected audio is at a mid-point of its range.

The Fade function is only available on FLHTCU models. See C in Figure 11. Fade adjusts the balance between rider and passenger speakers. Pressing **AUDIO** upward (+) moves the balance to the front speakers while pressing **AUDIO** downward (-) moves the balance to the rear speakers. Equal volume in front and rear speakers is indicated by one horizontal single line in the center position.

The Display function sets the illumination level of the characters in the LCD display.

The AVC (Automatic Volume Control) function sets the volume level to compensate for the ambient noise associated with motorcycle speed.

### **PTT and + /SQ /- Switch**

See Figure 2. Push-To-Talk (**PTT**) and the squelch control switch (**+ /SQ /-**) is located on the left handlebar switch assembly.

### NOTE

The **PTT** and **+SQ/-** is found on the FLHTCU Ultra Classic and the FLTR Road Glide models. On the FLTR, this switch is inoperative unless the optional Intercom and Citizen Band transceiver is installed.

**PTT:** With the power ON and the LCD indicating CB is active, press and hold the **PTT** switch to transmit over the channel displayed. Release **PTT** to end transmission.

**+SQ/-:** Lower the threshold to allow reception of CB signals by pressing the **+SQ/-** switch toward the rear (-) or raise the threshold by pressing the **+SQ/-** switch toward the front (+).

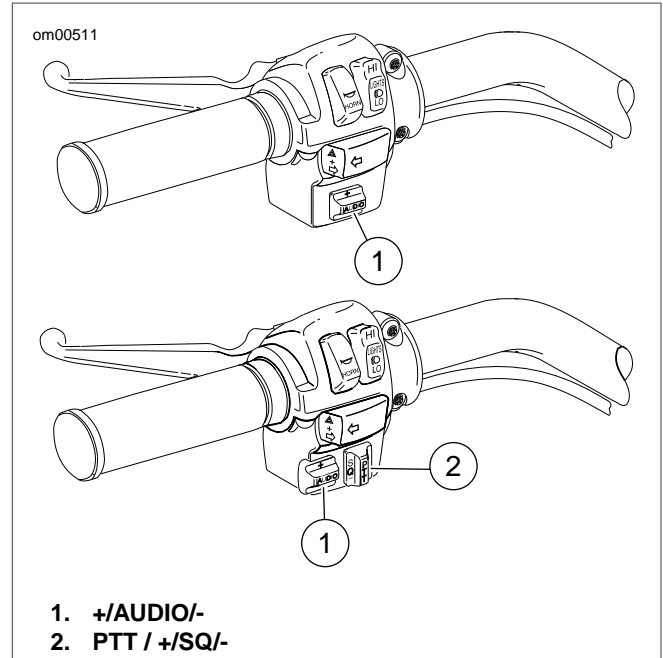


Figure 2. LH Audio Controls: FLHTCU/I, FLHX/I Upper - FLHTCU/I, FLTRI Lower [hdgraphic000616d.xml](#)

## RIGHT HANDLEBAR CONTROLS

### hdtopic000534\_1

See Figure 3. The mode select (**MODE SEL**) switch is located on the right handlebar switch assembly.

### UP/MODE SEL/DN Switch

#### MODE SEL

With the radio power ON, press and release the **MODE SEL** switch to sequence between the radio bands.

When a audio CD/MP3 disc is inserted into the CD player the **CD** function is added to the selections. When a 1/8 in. (3.5 mm) connector is plugged into the **AUX** input port the **AUX** function is added to the selections.

The LCD display indicates the function selected.

#### UP/DN

In the receiver mode: **UP/DN** allows up or down radio station SEEK tuning.

In CD/MP3 mode: **UP/DN** changes tracks and performs fast advance and fast reverse.

In the CB mode: **UP/DN** changes the CB channel.

In the Intercom mode: **UP/DN** changes the voice activated microphone (VOX) sensitivity.

In the AUX mode: The **UP/DN** switch is inactive.

For a detailed description of the various modes, see 2006 SOUND SYSTEM, Receiver Operation.

Table 1. Receiver Frequency Bands [hdtable000378b.xml](#)

MARKET	BAND	FREQUENCY	STEPS
Domestic	AM	530-1700 kHz	10 kHz
	FM	87.75-107.9 MHz	200 kHz
	WB	162.400-162.550 MHz	25 kHz



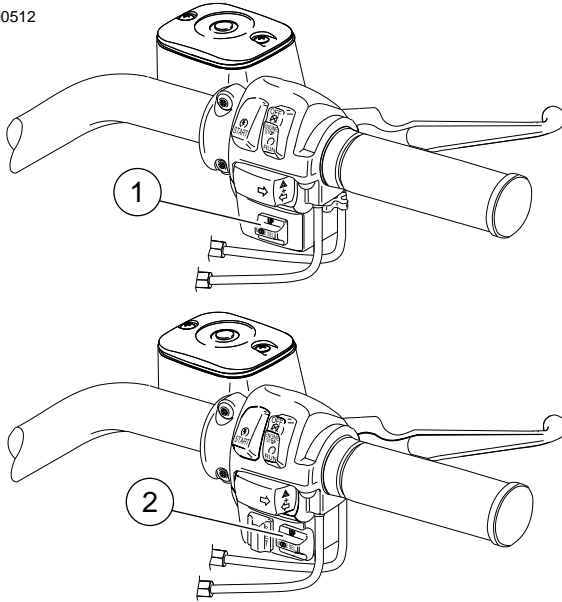
**Table 1. Receiver Frequency Bands [hdttable000378b.xml](#)**

MARKET	BAND	FREQUENCY	STEPS
International	LW	144-279 kHz	3 kHz
	MW	531-1611 MHz	9 kHz
	FM	87.5-108 MHz	100 kHz
Japanese	MW	522-1629 MHz	9 kHz
	FM	76.0-91.0 MHz	100 kHz

**NOTE**

*The intercom and CB can be activated at the same time with the receiver modes. The intercom and CB signals are passed to the audio circuits only if the signal strength exceeds the threshold established by CB squelch or VOX microphone sensitivity levels. Depending on the position of the speaker control switch in the fairing switch cap, the receiver function, the CB, and the VOX microphone can be heard in the headsets simultaneously. See 2006 SOUND SYSTEM, Intercom Operation and 2006 SOUND SYSTEM, CB Operation.*

om00512



1. UP/MODE SEL/DN
2. UP/MODE SEL/DN

Figure 3. RH Audio Controls: FLHTC/I, FLHX Upper - FLHTCUI, FLTRI Lower [hdgraphic000617d.xml](#)

## RECEIVER OPERATION [hdtopic000535\\_1](#)

See Figure 1 for a picture of the stereo receiver front panel.

### Set Time-of-Day

Set the time-of-day with the Ignition/headlamp Key Switch turned to **IGNITION** or **ACCESS** but with the stereo receiver OFF.

Press the Set soft key (6) (Set) on the front panel to display the time setup menu.

See A in Figure 4. To increase the hours in the display press the Hrs+ soft key. To decrease hours press the Hrs- soft key. When the hour is correct, release the soft key.

To increase the minutes in the display press the Min+ soft key. To decrease minutes press the Min- soft key. When the minute is correct, release the soft key.

### Turn Receiver ON/OFF

To turn the receiver ON, turn the Ignition/headlamp Key Switch to **IGNITION** or **ACCESS** and press the **ON** button on the front panel. To turn the receiver OFF, press the **ON** button.

If the receiver is ON when the ignition is turned OFF, the receiver will power up when the Ignition/headlamp Key Switch is turned to **IGNITION**.

## Select a Frequency Band

Using the right thumb, press the **MODE SEL** switch on the right hand grip and release to cycle to the desired frequency band (mode) or press the soft key next to the frequency band displayed in the LCD to select a frequency band.

See B in Figure 4. The LCD highlights the selected band.

### NOTE

*Refer to Table 1. When a CD/MP3 disc is present in the CD slot and/or an auxiliary player is plugged into the AUX port, the **MODE SEL** switch will cycle through the CD and AUX modes as well as the frequency bands.*

## Volume

See D in Figure 4. At any time the receiver is playing, the volume can be adjusted by pressing the **AUDIO** switch up (+) to increase volume or down (-) to decrease volume.

## AM vs FM Reception

Commercial radio broadcasting is either AM (Amplitude Modulation) or FM (Frequency Modulation).

## AM

AM radio waves reflect off the ionosphere which results in consistent signal reception at a long range (up to 100 miles or 160 kilometers).

However, AM radio can be displaced by loud humming, popping and crackling noises. This is electrical interference caused by noise from vehicle ignitions, electric signs, power lines and electrical storms.

## FM

The advantages of FM radio are high fidelity sound, stereo reception, a wide range of broadcasting formats, and a signal that is free of electrical interference.

The disadvantage of FM radio is its short range. FM radio waves travel in straight lines, called "line-of-sight," therefore, FM signals cannot be received over the horizon. At the limit of a station's range, the reception may fade in and out when objects pass between the transmitter and the motorcycle.

## FM Stereo vs FM Mono

See E in Figure 4. Normally, the Advanced Audio System plays FM signals in stereo. The LCD will indicate **STEREO**.

However, the stereo receiver has circuits which eliminate or minimize FM flutter due to weak stereo signals. The circuits

detect a weak FM stereo signal and automatically blend it into a stronger FM mono signal. The transition is smooth and flutter free because it occurs over a range of signal conditions, rather than at a minimum threshold.

When the system is automatically blending or is receiving an FM mono signal, the stereo indicator (**STEREO**) will disappear from LCD screen.

## WB

See H in Figure 4. Broadcast by the National Oceanic and Atmospheric Administration (NOAA) National Weather Band (WB) frequencies are available in North America only.

To receive NOAA weather alerts while listening to other radio bands, highlight the Alert indicator in the WB display by pressing the soft key. An alert tone will automatically switch the receiver to the announcing WB channel regardless of which frequency band is playing.

When equipped with the CB module, use the soft key to highlight the Alert indicator in the LCD display. Weather alerts are announced over other audio and the **Alert** indicator is highlighted in the display.

## Tuning-in a Radio Station

The radio has several tuning modes in each of the frequency bands: Manual, Seek, Scan, Preset Memory and Preset Scan.

Tuning in all three modes continuously wraps around the ends of the band.

## Manual Tuning

To manually tune the radio to a different frequency:

Press the **Up Arrow** button or the **Down Arrow** button to select the frequency in that direction. Hold the selected arrow button, and after a short delay of 1.5 seconds, the radio will continue to change frequencies until the selected arrow button is released.

## SEEK Tuning

See E in Figure 4. In SEEK, the radio tunes in to the next strong station.

Press and release the **MODE SEL** switch up (**UP**) to tune in the next strong station upward in the band. Press and release the switch down (**DN**) to tune in the next strong station downward in the band.

### NOTE

*The SEEK icon appears in the display as long as the receiver is seeking the next strong frequency. The SEEK icon disappears as soon as the receiver has tuned in the next station.*

## SCAN Tuning

In SCAN, the radio continuously tunes from one strong station to the next until the SCAN is cancelled.

See F in Figure 4. Press and hold the **MODE SEL** switch **UP** or **DN** approximately 5 seconds to scan the band for strong station signals. Each strong station remains tuned in for 8 seconds before the radio scans to the next station. The receiver will continue to scan until cancelled.

To select a station, cancel SCAN while the radio is tuned to that station. Press the **MODE SEL** switch **UP** or **DN** to cancel a SCAN moving up the band.

## Preset Memory Tuning

Use the soft keys, **1**, **2**, **3**, **4**, and **5/Left Arrow** as preset buttons to store frequently tuned stations.

### NOTE

See C in Figure 4. AM can store 6 preset frequencies.

See E and F in Figure 4. Separate FM1 and FM2 bands allow the rider to store 2 sets of 5 preset FM frequencies (10 total). Use the **More** soft key to toggle between FM1 and FM2. The full range of FM frequencies can be selected in either FM1 or FM2.

To store a current station, press and hold any one of the preset buttons for 1.5 seconds. After an audible signal (a chirp), the station's frequency has been stored and the frequency will appear in the display next to the preset soft key.

To tune to a stored station, press and release the preset soft key.

## Preset SCAN Tuning

See G in Figure 4. In preset SCAN, the radio continuously tunes from one preset station to the next until the preset SCAN is cancelled. A P.SC icon will display while preset SCAN is active.

In the FM band, press and hold the More soft key for approximately 3 seconds. Each preset station remains tuned in for 10 seconds before the radio moves to the next station.

To select a station, cancel preset SCAN while the radio is tuned to that station. Press the **MODE SEL** switch **UP** or **DN** to cancel a preset SCAN.

## Adjusting Volume

Volume can be adjusted in any radio band.

See D in Figure 4. Volume is adjusted with the **AUDIO** switch on the left hand grip. Using left thumb, press the **AUDIO** switch up (+) to raise the volume or down (-) to lower the volume. The

LCD displays the word Volume and a bar graph that changes length with the volume.

Press the **MODE SEL UP** or **DN** to cancel the Audio/Setup display or wait 5 seconds after the **AUDIO** switch is released, the display switches to the currently selected frequency band.

See K in Figure 4. Volume can also be adjusted in Audio/Setup.

Press and release the **AUDIO** switch to enter the Audio/Setup display. Press and release the **AUDIO** switch to cycle through Bass, Treble, Fade and Display to Volume and the **AUDIO** switch to raise (+) or lower (-) the volume.

## Mixing Bass and Treble

Bass and treble range adjustments can be applied to any Advanced Audio System source.

**BASS:** See I in Figure 4. Press **AUDIO** to display Bass Audio/Setup. Using the left thumb, press the **AUDIO** switch up (+) to increase the bass range or down (-) to lower the bass range. The LCD displays the word Bass and a dashed line that changes length with the setting. The short center dash indicates a middle setting.

**TREBLE:** See J in Figure 4. From Bass Audio/Setup, press and release **AUDIO** to sequence to Treble. Using the left

thumb, press the **AUDIO** switch up (+) to increase the treble range or down (-) to lower the treble range.

See J in Figure 4. The LCD displays the word Treble and a bar graph that changes length with the setting. The short center dash indicates a middle setting.

## Adjusting AVC

See L in Figure 4. Automatic Volume Control (AVC) automatically adjusts volume level to compensate for ambient noise associated with motorcycle speed.

If the AVC does not adequately compensate for ambient noise (or if it over compensates), enter the audio setup menu and select AVC. Compensation is adjusted with the **AUDIO** switch on the left hand grip. Using left thumb, press the **AUDIO** switch up (+) to raise the compensation level or down (-) to lower the compensation.

### NOTE

*Although the receiver AVC is preset at 3 bars, it is adjustable from 0 bars (OFF) to 4 bars. At 1 bar, the volume does not change with motorcycle speed. The more bars displayed, the higher the volume increases with speed.*

om00501

**A**

Hrs +	Time Set	Min +
Hrs -	12:00	Min -

**B**

<b>AM</b>	AM	WB
FM	760 kHz	
CD	12:25	

**C**

<b>790</b>	AM	1040
830	790 kHz	1120
960	12:26	1230

**D**

<b>790</b>	Volume	1040
830	F IIIII	1120
960		1230

**E**

88.7	FM1 Stereo	101.1
91.3	<b>WHDW</b>	90.7
95.5	12:27 <b>SEEK</b>	More

**F**

<b>92.5</b>	FM2	100.6
94.5	92.5 MHz	103.3
97.8	12:28 <b>SCAN</b>	More

**G**

92.5	FM2	100.6
94.5	103.3 MHz	<b>103.3</b>
97.8	12:28 <b>P.S.C</b>	More

**H**

<b>ALERT</b>	WB	
	WB 5	
	12:29	

**I**

<b>Bass</b>	Audio/Setup	Display
Treble	<b>Bass</b>	Volume
Fade	IIIIII-III	AVC

**J**

Bass	Audio/Setup	Display
<b>Treble</b>	<b>Treble</b>	Volume
Fade	IIIIII-III	AVC

**K**

Bass	Audio/Setup	Display
Treble	<b>Volume</b>	<b>Volume</b>
Fade	IIIIII	AVC

**L**

Bass	Audio/Setup	Display
Treble	<b>AVC</b>	Volume
Fade	III	<b>AVC</b>

Figure 4. FLHX, FLTC and FLTR LCD Display Examples [hdgraphic000634d.xml](#)

## Adjusting Display Contrast

See Figure 5. Select Display from the Audio/Setup menu with the **AUDIO** switch. Press the **AUDIO** up (+) to increase or down (-) to decrease the contrast of the characters in the display.

### NOTE

*The contrast can be decreased to render the characters invisible against the background. The characters will appear to have disappeared in the display. Before leaving the Display screen, always increase the character illumination to make the characters visible in other modes.*

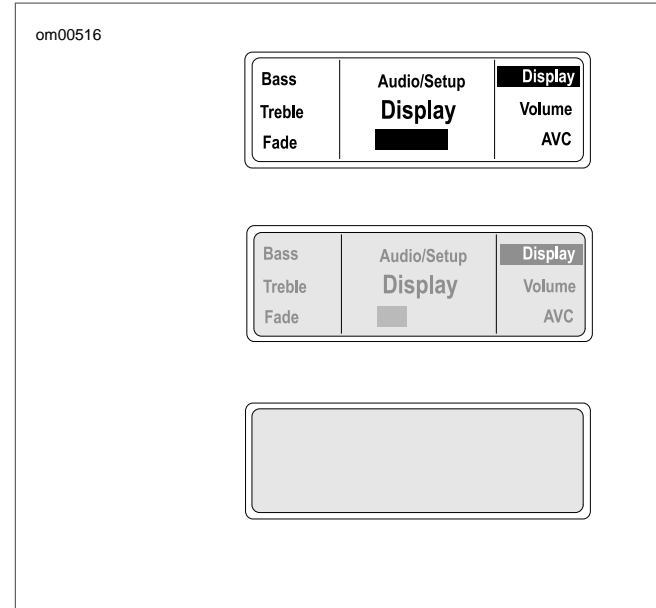


Figure 5. Character Display Illumination  
[hdgraphic000714c.xml](#)



## CD/MP3 OPERATION **hdtopic000537\_1**

The CD player will accept commercial audio discs as well as compact discs recorded with MP3 (MPEG 2.5 Level III), files on compact disc read only (CDR) or compact disc read and write (CDRW) formats.

### 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)**

### WARNING

**Do not change compact discs while riding, and do not select a volume level that blocks out traffic noise. Distractions or a volume level that blocks out traffic noise, could cause loss of control resulting in death or serious injury. (00086a)**

### WARNING

**Do not disassemble unit. Laser radiation is present if disc player is disassembled and the interlock fails or is defeated. Exposure to laser radiation could lead to death or serious injury. (00087a)**

### Auto Load

With the receiver power ON, raise the CD door and gently insert a CD, label side up, into the CD slot until the unit automatically pulls the CD into the player. Close the CD door.

See C in Figure 6. The receiver will automatically switch to CD operation. The CD track number and play time will appear in the LCD display. With a CD in the player, CD is added to the modes selectable with the **MODE SEL** switch.

### WARNING

**Set intercom volume level and other controls before riding to minimize adjustments on the road. Distractions can lead to loss of control, resulting in death or serious injury. (00088a)**

## Disc Error 1

See B in Figure 6. If the CD loaded into the CD player is damaged, of incorrect format, or if upside down, the LCD will display the Disc Error 1 message.

Eject the CD. Refer to 2006 SOUND SYSTEM, Recommendations for Handling CDs.

## Eject



**Do not change compact discs while riding, and do not select a volume level that blocks out traffic noise. Distractions or a volume level that blocks out traffic noise, could cause loss of control resulting in death or serious injury. (00086a)**

Press the **EJECT** button found under the CD door to eject a CD. The CD will be partially ejected. Remove the CD. Close and latch the CD door.

The receiver will automatically return to the radio band and frequency playing when the CD was loaded and the CD mode is no longer selectable.

## Tracks

To change CD/MP3 tracks, use the right thumb and press and release the **MODE SEL** switch on the right hand grip. Press **UP** and release to select higher numbered tracks or press **DN** and release to select lower number tracks.

Pressing the **Up Arrow** and **Down Arrow** keys will also advance tracks.

### NOTE

*The player automatically numbers the MP3 files found on a CD in alphabetical order.*

### NOTE

*If the **MODE SEL** switch is pressed and held **UP** or **DN** longer than 1.5 seconds, the track selections will fast advance or reverse as long as the switch is held.*

CD track selection wraps around the first and last track.

## Fast Advance and Reverse

To fast advance a track, press the **MODE SEL** switch **UP** and hold longer than 1.5 seconds. The current track will fast advance while the switch is pressed **UP**. The audio will advance to the subsequent track as long as the switch is held **UP**.

See D in Figure 6. The play time display in the LCD will also fast advance.

To fast reverse a track, press **MODE SEL DN** and hold longer than 1.5 seconds. The current track will fast reverse while the switch is pressed **DN**.

The play time display in the LCD will also fast reverse.

## Random

To play tracks randomly, press the Random soft key on the front panel while in the CD mode. The word Random will remain highlighted in the display. No selection is repeated until all other selections have been played.

### NOTE

*The Random soft key toggles between normal and Random play. Press once for random play. Press a second time to return to normal play. Pressing the **MODE SEL** switch **UP** or **DN** will select different tracks at random.*

See D in Figure 6. Random will be highlighted in the display.

## Scan

To scan the tracks on an CD/MP3 disk, press the Scan soft key.

### NOTE

*The tracks will play for 8 seconds and then jump to the next track which will play for 8 seconds.*

Upon selecting a track, press and release the **MODE SEL** switch to continue playing that track.

## Repeat

To repeat a CD track while it is playing, press the soft key next to the Repeat display.

To cancel Repeat, press the Repeat soft key again or press the **MODE SEL** switch **UP** or **DN** to change tracks.

Repeat will no longer be highlighted in the display.

## MP3

The receiver CD player will automatically recognize and play MP3 files.

### NOTE

*The files will be numbered sequentially.*

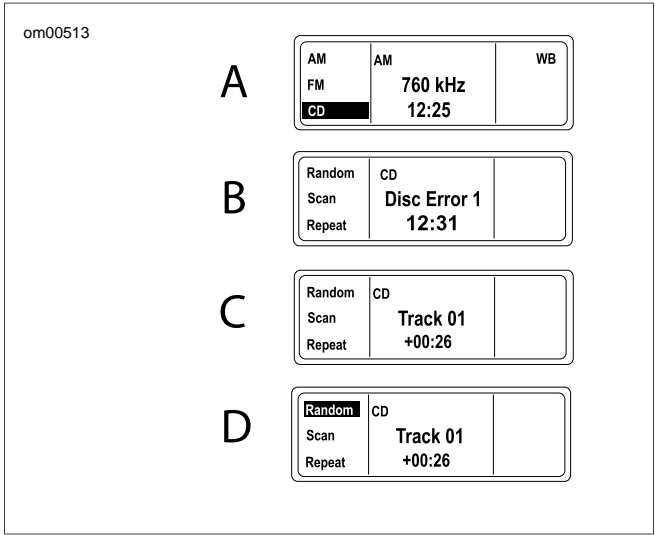


Figure 6. CD/MP3 Display Examples [hdgraphic000715e.xml](#)

## RECOMMENDATIONS FOR HANDLING CDS

### [hdtopic000375\\_1](#)

- Use caution when handling a CD. Avoid touching the bottom (shiny) side.
- Store audio CD/MP3 discs in acrylic jewel cases to protect against dust, scratches, light, and changes in humidity.
- Store CDs in a cool dry place away from direct sunlight.
- Use commercially available cleaning tissue to clean the CDs. Never use solvents that can damage the CD.
- Keep protective CD door closed at all times.

**⚠ WARNING**

**Do not disassemble unit. Laser radiation is present if disc player is disassembled and the interlock fails or is defeated. Exposure to laser radiation could lead to death or serious injury. (00087a)**

*NOTE*

*A laser that cannot focus properly may cause skipping. A clouded lens can be caused by dirty CDs, dust, smoke, high humidity, and airborne particles may cause the laser lens to*

*cloud. Operating the CD without allowing the motorcycle to warm up can also cause a CD to skip.*

## **INTERCOM AND CITIZEN BAND WITH PASSENGER SPEAKERS [hdtopic000538\\_1](#)**

The FLHTCU supports includes a digitally tuned 40 channel Citizen Band (CB) transceiver, a rider/passenger intercom.

Features include:

- Rider headset connector on fuel tank console.
- Passenger headset connector on backrest.
- Handlebar mounted rider push to talk (**PTT/+ /SQ/-**) switch (CB and Intercom).
- Fairing-mounted speaker switch.
- Rear-mounted passenger **UP/MODE SEL/DN** and **PTT/+ /VOL/-** switches (CB and Intercom).
- Digitally adjustable rear headset speaker volume.
- Passenger receiver band switching and frequency tuning.
- Passenger CD/MP3 player control.
- Rider hand-held microphone compatibility for areas that prohibit headset (helmet-mounted) speakers.

## **HEADSETS AND SOCKETS**

**[hdtopic000551\\_1](#)**

### **CAUTION**

**Some local governments prohibit or restrict the use of headset (helmet-mounted) speakers. Please check with local authorities and obey all applicable laws and regulations. (00173a)**

A Harley-Davidson dealer can help you select the correct genuine Harley-Davidson headsets and microphones for your year and model Harley-Davidson. Harley-Davidson stereo helmet headsets with 7 pin DIN jacks fit the rider and the passenger intercom sockets found on the FLHTCU. Other headset microphones will not work.

Open the socket cap and with the ridge on the headset jack facing upward insert the jack into either the front or rear headset socket.

### *NOTE*

*For areas that do not permit headset speakers, a special hand-held microphone can be used to transmit over the CB. This microphone is also available through a Harley-Davidson dealer.*

## CAUTION

**Do not pull on the cord to remove the headset from the socket. Pull on the headset jack to disconnect the headset from the socket. (00174a)**

The spring loaded hinge keeps the headset socket cap closed while riding. It protects against dirt and water when the headset or hand-held microphone is not in use. Before washing the motorcycle, verify that **BOTH** rider and passenger socket caps are closed.

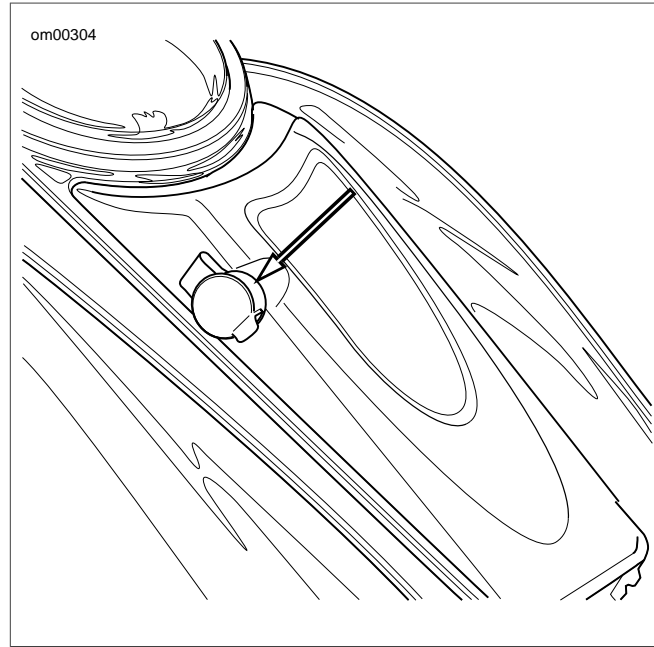


Figure 7. Front Headset Socket Cap [hdgraphic000335c.xml](#)

## VOX MICROPHONES **hdtopic000552\_1**

The Harley-Davidson intercom uses a voice-activated (VOX) microphone for hands-free intercom operation. The headset microphone minimizes the transmission of hand-held microphone generated noise.

The intercom is activated when a voice or sound exceeds a preset audio level, the voice is said to "break VOX". The voice or sound is transmitted to the headsets.

### NOTE

*Pressing and holding the **PTT** switch will also open the microphone.*

Once VOX is broken, a conversation can proceed uninterrupted. After the absence of sound or voice, there is a delay of approximately 2 seconds before the microphone is deactivated. This delay in deactivation allows for pauses in conversation.

Because loud exhausts, passing trucks, car horns or other background sounds may unintentionally activate the intercom, the sound level necessary to break VOX is adjustable. See 2006 SOUND SYSTEM, Intercom Operation.

## SPEAKER CONTROLS **hdtopic000553\_1**

### SPKR Switch

A three position speaker (SPKR) switch is located on the inner fairing cap of the FLHTCU and the FLTR. See Figure 6.

### NOTE

*The SPKR switch found on the FLTR is inoperable.*

**Off/Forward:** In the forward position, the speakers are off. Audio (radio, CD/MP3, AUX and CB) is played in the headsets only. During simultaneous CB reception, the other audio source is muted and only the CB is heard in the headsets.

**Center:** In the center position, the radio, CD/MP3 player or AUX is played over the speakers while the CB is played only in the headsets.

**On/Rearward:** In the rearward position, the speakers are on. With the SPKR indicator lit, the radio, the CD/MP3 player, or any AUX device and the CB are played through both the rider and passenger speakers. When a CB signal is received, other audio sources mute and the CB is played over the speakers. Refer to Table 4.

### NOTE

*The intercom is only heard in the headsets, regardless of the SPKR switch position.*

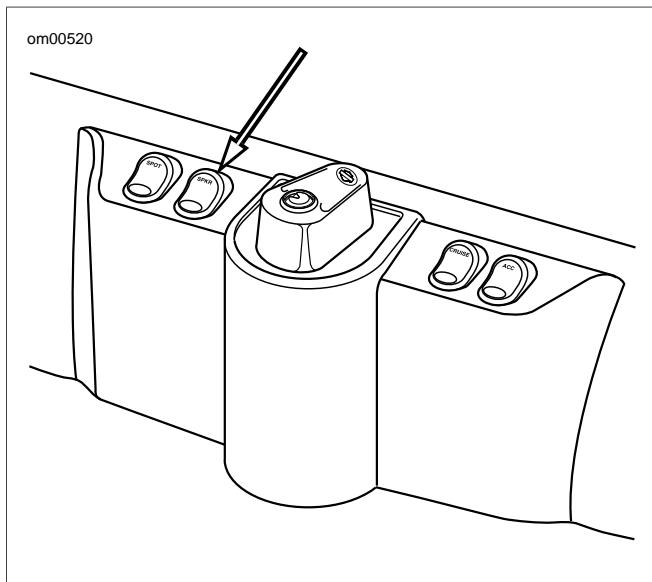


Figure 8. FLHTCU SPKR Switch [hdgraphic000716c.xml](#)

## Rider to Passenger Speaker Balance

The receiver FADER control balances the front rider and rear passenger speakers.

### NOTE

*FADER is available only on the FLHTCU equipped with rider front and passenger rear speakers.*

**FADER:** With the fairing speaker switch in either the SPKR or center position, press the **AUDIO** switch to cycle through Bass to Treble to Fade in the LCD. Or with the motorcycle stationary, press the left hand **AUDIO** switch once to enter the Bass display and select Fade with the **MODE SEL** switch or with the soft key.

The LCD displays the word Fader and a row of outlined rectangles. The smaller center rectangle indicates equal balance between front and rear speakers. A single solid rectangle moves left or right of the center dash as the balance of volume is switched from the passenger speakers (to the left) to the rider speakers (to the right). See C in Figure 11.

- Press the AUDIO switch up (+) to raise the volume from the rider speakers while lowering the volume from the passenger speakers.
- Press the AUDIO switch down (-) to raise the volume from the passenger speakers while lowering the volume from the rider speakers.



## PASSENGER CONTROLS **hdtopic000539\_1**

### UP/MODE SEL/DN Switch

See Figure 9. The passenger **MODE SEL** switch gives the passenger control of radio band selection, tuning, CD/MP3 operation and all functions of the hand grip mounted **MODE SEL** switch.

#### NOTE

*For information on routing audio signals to the passenger speakers and headsets, refer to Table 4.*

### PTT and +/VOL/- Switch

See Figure 9. The **PTT/+/VOL/-** switch on the right side of speaker box allows the passenger to talk over the intercom or

transmit over the CB as well as to raise or lower the rear headset volume.

See F in Figure 11. When the rear headset volume is adjusted, a F (front) and R (rear) bar graph appear in the LCD display.

#### NOTES

- *The passenger VOL switch affects only the passenger headset. The hand grip mounted **AUDIO** switch is the master volume control, and used in conjunction with the **FADER**, affects both the rider and passenger speaker volume.*
- *With stereo receiver tuning, radio band selection, CD/MP3 track selection or other functions, simultaneous use of front and rear **MODE SEL** switches may cause operation to be suspended until either rider or passenger controls are released.*

om00521

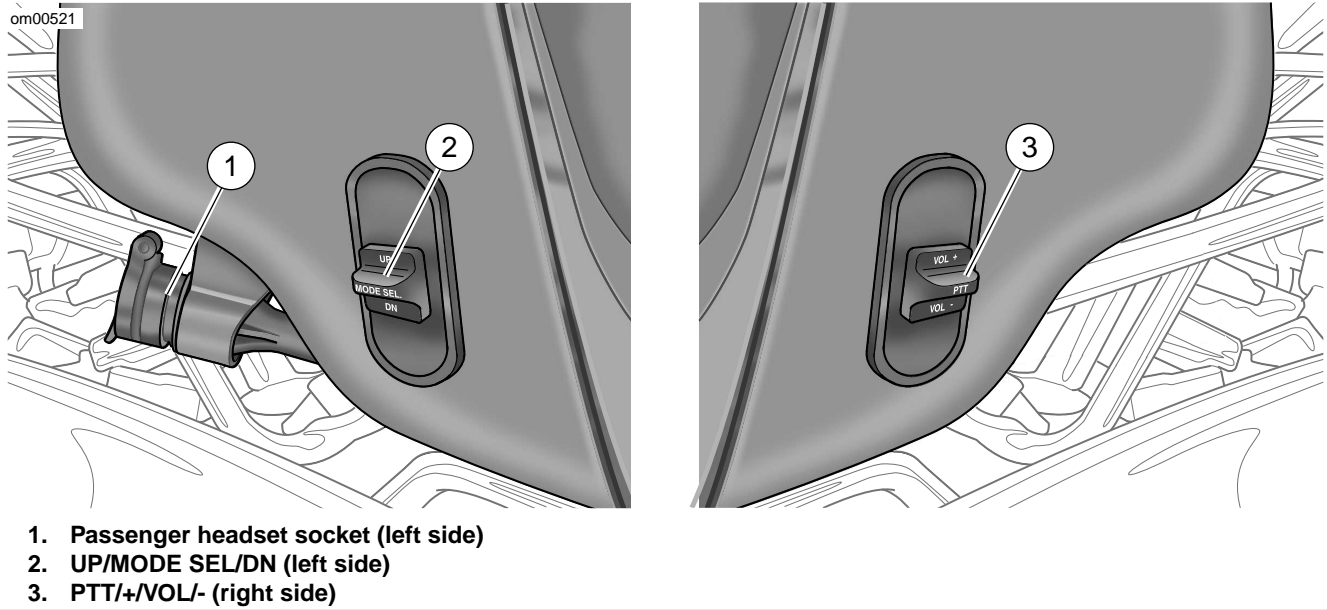


Figure 9. FLHTCU Passenger Controls [hdgraphic000717e.xml](#)

## SIDECAR CONTROLS [hdtopic000540\\_1](#)

See Figure 10. A **MODE/+TUNE/-** press and tilt switch, a **PTT/+VOL/-** press and tilt switch and a headset socket are mounted on the dash of the TLE Ultra sidecar for the FLHTCU. These controls and stereo speakers of the sidecar are connected to the Advanced Audio System through a wire harness.

### MODE and +/TUNE/- Switch

The **MODE/+TUNE/-** switch controls radio band selection, station tuning, and CD/MP3 track selection and operation. The **MODE/+TUNE/-** switch operates like the hand grip mounted **UP/MODE SEL/DN** switch.

### PTT/+VOL/-

The **PTT/+VOL/-** press and tilt switch controls the volume in the sidecar speakers and headset and is used to open the intercom and transmit over the CB.

Pressing the **PTT** switch left (+) raises the volume level for the currently selected Audio. Pressing the switch right (-) lowers the volume level.

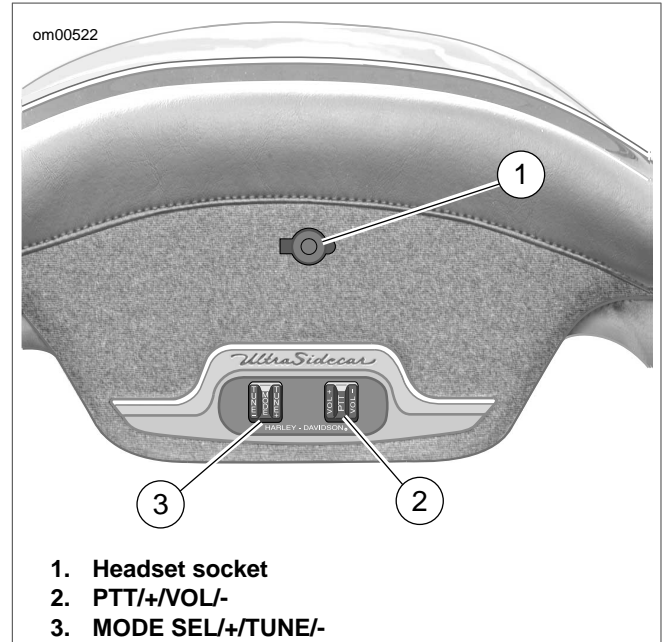


Figure 10. TLE Ultra Sidecar Audio Controls  
[hdgraphic000718c.xml](#)

Table 2. Speaker Output Power [hdttable000379c.xml](#)

MODEL	TOTAL WATTS	SPEAKERS	OHMS PER SPEAKER
FLTRI FLHTC	40	2 speakers, 20 watts each	2
FLHTCU	80	4 speakers, 20 watts each	2
TLE Sidecar w/amplifier	40	2 speakers, 20 watts each	2

## INTERCOM OPERATION [hdtopic000541\\_1](#)

### Operation

To speak over the intercom, press and hold either rider or passenger **PTT** switch to enable the microphones. Both microphones are active while one or both **PTT** switches are pressed.

#### NOTE

*Always verify that the CB is off so that private intercom conversations will not be transmitted.*

## Activating the Intercom and the VOX Microphones

Press and hold the **INT** button on the front panel, to open the Intercom Setup display.

See D in Figure 11. To activate the intercom (INT) and the VOX microphones, press soft key **1** to turn the intercom ON.

The intercom will activate in Intercom Setup with VOX sensitivity and headset volume level settings from the previous use. VOX sensitivity and headset volume are adjusted in Int Setup only.

To exit Int Setup, press and release the **MODE SEL** switch or the **INT** button.

To make adjustments to VOX sensitivity after exiting Intercom Setup, re-enter Intercom Setup by pressing **INT**.

#### NOTE

*To ensure privacy, the intercom can only be heard through the headsets.*

To turn OFF the intercom and the VOX microphones, press the **INT** button to open the Intercom Setup display and press the On/Off soft key (**1**).

## Adjusting VOX Sensitivity

VOX sensitivity should be adjusted so that the microphones break VOX at a normal voice level.

Enter Intercom Setup by pressing the **INT** button. Press the **ON** or **1** soft key to turn the intercom on.

See G in Figure 11. Press the **MODE SEL** switch **UP** or **DN** or press the **4** or **5** soft key to initiate the VOX display. The LCD displays VOX sensitivity as a bar graph with a smaller bar to indicate the center of the 14 bars. A higher number of bars indicates greater sensitivity while a lower number means less sensitivity.

Continue to use **MODE SEL** on the right hand grip to adjust the sensitivity level. Press **MODE SEL UP** to make the microphone more sensitive. Press the **MODE SEL DN** to reduce sensitivity. To exit Setup, press and release the **MODE SEL** switch.

### NOTES

- *The receiver retains the sensitivity level from the previous setup. However, if power is removed from the receiver, VOX sensitivity defaults to mid level.*
- *VOX sensitivity may have to be adjusted if either microphone is unintentionally activated because the microphone*

*misinterprets radio, road or background sound as conversation.*

When VOX is set to its maximum, the microphone is always open. The VOX display will read Open.

When VOX is set to lowest value, the microphone is closed and the VOX display reads Closed.

## Adjusting Rider Headset Volume

The rider intercom volume is only adjustable in Intercom Setup.

See E in Figure 11. Enter Intercom Setup, speak into microphone and adjust the intercom volume with the **AUDIO** switch on the left hand grip. Press **AUDIO +** to raise the volume and **AUDIO -** to lower the volume. The LCD displays a dashed line that changes length with the level.

See F in Figure 11. When the headset volume has been adjusted to the bottom of its range, Mute will appear in the volume display.

To exit Intercom Setup, press and release the **MODE SEL** switch.



## WARNING

**Set intercom volume level and other controls before riding to minimize adjustments on the road. Distractions can lead to loss of control, resulting in death or serious injury. (00088a)**

### Adjusting Passenger Headset Volume

The passenger intercom volume is only adjustable in Intercom Setup.

Enter Intercom Setup. Speak into the microphone and adjust the intercom volume with the **AUDIO** switch on the right speaker box on the passenger's backrest. Press **AUDIO +** to raise the volume and **-** to lower the volume. The LCD displays a bar graph that changes length with the level.

See F in Figure 11. When the headset volume has been adjusted to the bottom of its range, Mute will appear in the volume display.

To exit Intercom Setup, press and release the **MODE SEL** switch or press the **INT** pushbutton.

## CB OPERATION **hdtopic000542\_1**

### Activating the CB

See H and I in Figure 11. To activate the Citizen Band transceiver, press and release the **COM** pushbutton on the front panel. Press soft key **1** to turn the CB ON/OFF. The CB will activate in CB Setup with squelch threshold and channel settings from the previous use. CB channels are selected in CB Setup.

To exit CB Setup but leave the receiver with the CB active, press and release the **MODE SEL** switch or the **COM** pushbutton.

To turn off the CB, press the **COM** button to enter CB Setup. Press soft key **1** to turn the CB ON and Off.

## CAUTION

There are no adjustments internal to the CB transceiver chassis that can be performed without risking non-compliance with Federal Communications Commission (FCC) rules. Refer to the original equipment manufacturer for any service required during the warranty period. For transmitter service after the warranty period, refer to a certified repair service. Any frequency determining components, such as crystals, or power determining semiconductors, etc., should only be replaced with the original component manufacturer's part or equivalent. Substitutes can result in violation of FCC rules. (00175a)

### Entering CB Setup

See J in Figure 11. With the CB on, press **COM** to enter CB Setup. The LCD displays CB SETUP in the upper half and the CB channel appears in the lower half.

To exit CB Setup, press and release the **MODE SEL** switch.

After exiting CB Setup with the CB still active, re-enter CB Setup by pressing and releasing the **COM** soft key.

### Selecting a Channel

In CB Setup, use the **MODE SEL** switch to select a CB channel. Press and release **MODE SEL UP** or **DN** to switch channels one at a time.

Soft keys 4, 5 and 6 can be used to preset CB channels.

If the **MODE SEL** switch is held up or down, tuning continuously wraps around the ends of the channels.

See K in Figure 11. When squelch is broken, the CB in the display inverts. If the squelch is not broken and the another source is playing, CB is displayed.

## WARNING

**Set CB channel, squelch threshold and volume before riding to minimize adjustments on the road. Distractions can lead to loss of control, resulting in death or serious injury. (00089a)**

### Preset Channels

See J in Figure 11. Up to 3 CB channels can be preset. Press and hold a soft key (4, 5, 6) to preset a CB channel.

Once set, press the preset soft key to switch to the preset channel when the CB display is active.

## Adjusting Squelch

See K in Figure 11. The CB signal is passed to the speakers or headsets only if signal strength exceeds the threshold set with the squelch control switch (**PTT/+SQ/-**). When CB signals exceed the threshold, they are said to "break squelch." Refer to Table 3.

- To lower the threshold to process the weakest CB signals, press **SQ -** or rearward.
- To raise the threshold to process stronger signals, press **SQ +** or forward.

In the LCD, a dashed line changes length with the setting.

Table 3. Squelch Control Switch [hdtable000163b.xml](#)

SQ (-) REARWARD	SQ (+) FORWARD
More signals	Fewer signals
More noise	Less noise
More static	Less static
Unwanted signals	Better sound quality

## Transmitting

To transmit, press and hold the **PTT** switch. Transmission is over the CB channel displayed in the LCD. To end transmission, release **PTT**.

## Adjusting Volume

Refer to Table 3. See L in Figure 11. To adjust volume of the CB in the speakers or headset, Press **AUDIO +** to raise the volume or -lower the volume. CB volume is adjustable when squelch is broken or when the display is in CB Setup.

A dashed line that changes length with the volume setting is displayed.

### CAUTION

**Operating the CB radio without an antenna or with a broken antenna cable can result in damage to the transmitter circuitry. (00176a)**

## CB Range

Maximum transmission range can only be expected under stable weather conditions in flat, open country.

**Weather:** In times of atmospheric disturbances, such as rain, snow, or even sunspots, the CBs range can be reduced.



**Terrain:** Buildings, hills, valleys or any elevated objects or depressions that either block or create a longer path between transmitter and receiver will reduce or disrupt communications.

**Obstructions:** Transmissions may be cut off under a viaduct or inside a tunnel or parking garage.

*NOTE*

*The CB transmitter is the most powerful allowed under Federal law, but since there is no large steel area to create a ground plane, it may not transmit as strongly as when mounted in a car or truck.*

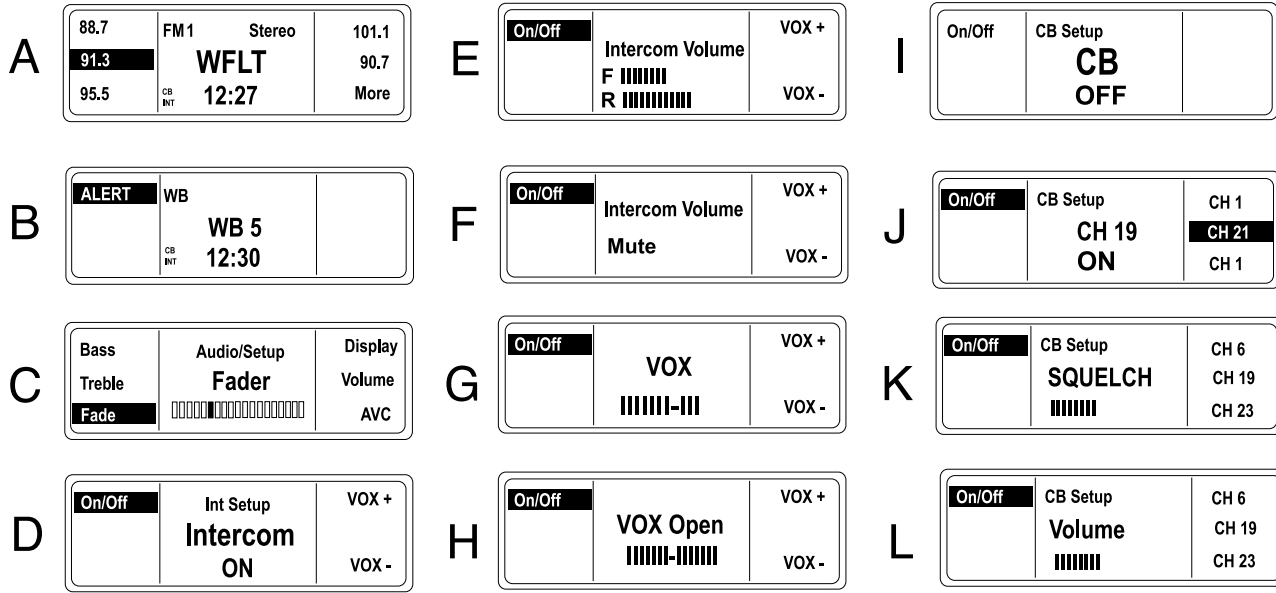


Figure 11. FLHTCU Display Examples [hdgraphic000712d.xml](#)

## AUDIO ROUTING AND MIXING

### hdtopic000554\_1

#### General

Refer to Table 4. Whether audio is routed to the headsets, speakers or both depends on the **SPKR** control switch and the **INT** and **CB** buttons on the receiver.

A single audio source routed to headset or speaker can be controlled with the riders **AUDIO** switch or the passenger **VOL** switch.

#### NOTE

*The passenger volume control switch affects only the passenger headset. The handlebar mounted **AUDIO** switch is the master volume control, and used in conjunction with the fader, affects both the rider and passenger speaker volume.*

Table 4. Audio Routing and Mixing Combinations [hdtable000164c.xml](#)

AUDIO ROUTING COMBINATIONS			VOLUME CONTROL
SPEAKER CONTROL SWITCH	AUDIO SOURCE(S)	AUDIO OUT	AUDIO +/- OR VOL +/-
Off or Forward (Headsets)	Music*	Headsets	Music*
	CB	Headsets	CB (During reception or SETUP)
	Intercom	Headsets	Intercom (Only in SETUP)
	Intercom and music*	Both in the headsets	Music
	CB and music*	CB in the headsets (Music is muted during CB reception)	CB (During reception or SETUP)
	Intercom and CB	Both in the headsets (Music is muted during CB reception)	CB (During reception or Setup)

**Table 4. Audio Routing and Mixing Combinations [hdttable000164c.xml](#)**

AUDIO ROUTING COMBINATIONS			VOLUME CONTROL
SPEAKER CONTROL SWITCH	AUDIO SOURCE(S)	AUDIO OUT	AUDIO +/- OR VOL +/-
Center (Speakers and headsets)	Music*	Speakers	Music*
	CB	Headsets	CB (During reception or SETUP)
	Intercom	Headsets	Intercom (Only in SETUP)
	Intercom and music*	Intercom in the headsets Music* in the speakers	Music*
	CB and music*	CB in the headsets Music* in the speakers Music is muted during CB reception	CB
	Intercom and CB	Both in the headsets (Music is MUTED during CB reception)	CB*

**Table 4. Audio Routing and Mixing Combinations [hdttable000164c.xml](#)**

AUDIO ROUTING COMBINATIONS			VOLUME CONTROL
SPEAKER CONTROL SWITCH	AUDIO SOURCE(S)	AUDIO OUT	AUDIO +/- OR VOL +/-
On or rearward (Speakers)	Music*	Speakers	Music*
	CB	Speakers	CB (During reception or SETUP)
	Intercom	Headsets	Intercom (Only in SETUP)
	Intercom and music*	Intercom in the headsets. Music in the speakers.	Music
	CB and music*	CB in the speakers (When squelch is broken)	CB
	Intercom and CB	Intercom in the headsets (CB in the speakers MUTED during CB reception)	CB
* Music = Radio, CD player or auxiliary (AUX) audio source.			

## TROUBLESHOOTING **hdtopic000555\_1**

### Operational Troubleshooting

Refer to Table 5. Use the following table to identify rider or passenger control settings that prevent intended operation.

#### NOTE

*See the Touring Models ELECTRICAL DIAGNOSTIC MANUAL for all system diagnosis and electrical troubleshooting information.*

#### 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)**

#### WARNING

**Do not disassemble unit. Laser radiation is present if disc player is disassembled and the interlock fails or is defeated. Exposure to laser radiation could lead to death or serious injury. (00087a)**

### Radio Fuses

If it is necessary to replace the radio fuses, follow the fuse replacement procedures in this manual or see your Harley-Davidson dealer for service.

See Figure 12. Radio fuses are located in the fuse block under the left side cover.

- The 10 amp fuse allows power to the radio through activation of an internal relay.
- The 15 amp fuse provides direct and continuous power to the radio memory and time-of-day clock, and when the internal relay is activated, feeds the main circuits of the radio as well.

Remove the radio fuses and inspect the element. Replace the fuse if the element is burned or broken. Automotive type ATO fuses are used.

#### NOTE

*See Figure 12. Spare fuses (10 amp and 15 amp) can be found in the fuse block cover.*

**Table 5. Operational Troubleshooting: Advanced Audio System [hdttable000165e.xml](#)**

<b>THIS</b>	<b>CAN PREVENT THIS</b>
Squelch broken	Fairing music
	Headset music
	Passenger speaker music
Squelch unbroken	CB audio
CB off or low volume	CB audio
Front or rear PTT on	Fairing music
	Headset music
	Passenger speaker music
	CB audio
Handlebar volume low	Fairing music
	Headset music
	Passenger speaker music
Passenger headset volume low	Passenger headset music and CB audio
Fairing SPKR back to speaker	Headset music and headset CB audio
Fairing SPKR forward to headset	Fairing music and CB audio
INT off	Voice communications (Unless PTT is pressed)

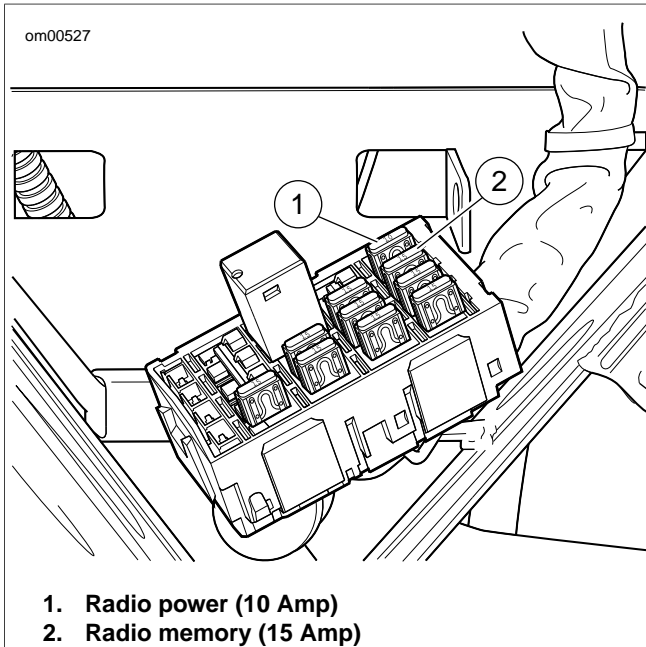


Figure 12. Radio Fuses [hdgraphic000721c.xml](#)



<b>A</b>	
Advanced Audio System	
Audio Routing and Mixing. . . . .	35
CB Operation. . . . .	30
CB Transceiver. . . . .	21
Description. . . . .	1
Fader Control. . . . .	24
Fairing Controls. . . . .	23
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DEALER NUMBER:		DELIVERY DATE:
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<b>MY NEW ADDRESS IS:</b>		
NEW ADDRESS:		APT. NO.:
CITY:	STATE:	ZIP CODE:
<b>MY MOTORCYCLE SOLD TO:</b>		
NEW OWNER'S NAME:		DATE OF SALE:
ADDRESS:		APT. NO.:
CITY:	STATE:	ZIP CODE:

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