



# TWISTED AUDIO



## INSTALLATION MANUAL

**MODEL: TAWAS100HD**

**80 WATT Windshield-Mount  
Audio System**

For most Harley-Davidson  
Non-Fairing Motorcycles

# INTRODUCTION

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## KEY FEATURES

- Easy Installation
- OEM Fit and Appearance
- Weatherproof
- System Detaches with Windshield
- 80W (40W x 2) Audio Output Power
- Integrated Amplified Antenna
- Heavy-Duty Waterproof AM/FM Radio with Weatherband and Weather Alert
- AUX Audio Input (For use with iPods and MP3 Players)
- Radio Retains station Presets and Clock Time When Detached (Power Disconnected)
- Windshield Lock (Optional)

# WARNINGS

## INSTALLATION

The motorcycle's battery must be disconnected before installation and not reconnected until the installation is complete.

## OPERATION

Riding a motorcycle requires your full attention at all times. Do not attempt to operate or adjust the audio system while riding.

## WATER/MOISTURE EXPOSURE

The components and overall product design are weather-resistant which means they can survive exposure to rain and normal outdoor moisture. However, care should be taken especially when washing your motorcycle not to expose the system to high pressure (hose nozzle) water spray. Since the system easily detaches from the motorcycle with the windshield, we recommend removing the windshield/audio system when washing your ride. Evidence of excessive water exposure will void the warranty.

## TOOLS REQUIRED

- Philips screwdriver
- 3/8" Wrench or Socket Driver
- 7/16" Wrench or Socket Driver
- T-25 Torx Driver

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[www.twistedaudioradios.com](http://www.twistedaudioradios.com)

## MODEL COMPATIBILITY

1994 and later Harley-Davidson non-fairing touring and Softail Models with windshields

Radio Model #	Applications
FLHR	Road King Standard
FLHRC	Road King Classic
FLSTF	Fat Boy

NOTE: For Road King Custom (FLHRS) models, the chrome wind deflector must be removed and the handlebar clamp cover and nacelle trim must be replaced with HD Road King Standard components.

## FIRST STEP

Remove the windshield from your motorcycle and work on a bench or other flat surface.

NOTE: You may want to use some type of soft surface to avoid scratches to the windshield.





# INSTALLATION • RADIO ASSEMBLY

Remove the five original equipment manufacturer's (OEM) windshield screws and acorn nuts from the windshield frame.



The three screws indicated here across the top horizontal frame (a). And, the two here on the vertical frames (b).



The two lower short bolts and the center short bolts are not used. Set them aside (c).



Keep the two top longer bolts and nuts to use when installing the radio (d).



Now, take the radio... and remove the three screws and washers from the rear of the unit.



You can discard the washers. (NOTE: The two outer screws are shorter than the center screw.)



## ATTACHING THE AUDIO SYSTEM TO THE WINDSHIELD

Hold the radio housing from the front. Insert the longer screw just removed from the radio through the center hole in the windshield bracket.



Align the center hole on the radio up with the center screw on the windshield bracket. Push the radio onto the screw — and tighten with your fingers (e).



# INSTALLATION • RADIO ASSEMBLY

Use the longer screws you set aside earlier and use them to attach the lower radio brackets to the

windshield vertical frame members. Install screws, but do not tighten(f).



Now, install the two shorter screws that were supplied with your radio. Attach them through the top holes on the windshield vertical brackets. Screw them in loosely(g).

proper alignment as you go. On the lower bracket screws you will need to use the wrench while you tighten with the torx drive(i).

Your audio system is now installed on the windshield.

Once you have all the screws in, gradually tighten all the securing fasteners (h) so you can check



## OPTIONAL LOCKING BRACKET (If you purchased the optional locking kit, now is the time to install them on the windshield.)

First, remove the windshield's stock locking spring hardware. Insert the bolt through the side frame

and hook-lock (j) and fasten with a 3/8" wrench. Repeat this procedure for the second lock.



NOTE: THIS LOCKING SYSTEM DOES NOT GUARANTEE TO PREVENT THE THEFT OF THE WINDSHIELD OR AUDIO SYSTEM.



# INSTALLATION • ELECTRICAL

First, you must remove the seat and completely disconnect the battery.

Locate the four-pin accessory plug located between the frame rails in front of the battery and remove the cap. (k&l)

NOTE: If you are installing on an older bike that does not have this accessory plug, you should obtain an additional fused battery direct harness from Twisted Audio for your installation.

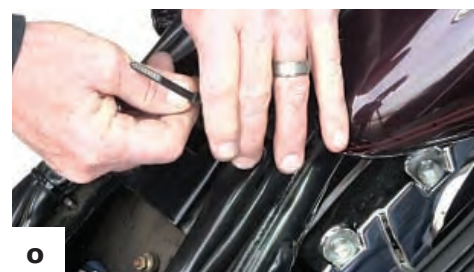


Next, loosen the console on top of the gas tank by removing the lower nut and accompanying washer... as well as the top bolt.

Pull up gently on the console, and carefully push the wiring harness under the rubber gasket surrounding the console. Make sure the harness

is fully inserted under the gasket from one end of the console to the other (m). Replace and tighten the hardware that attaches the console.

Now plug the wiring harness into the accessory plug under the seat (n) and secure the harness to the bike's wiring with a tie wrap (o).



Now feed the other end of the wiring harness up through the bike's main harness clamp — and through the opening in the top fork cover as you see here (p). This may take a little fiddling to achieve.





# FINAL INSTALLATION

Reattach the windshield — with the audio system — to the bike (q).

Take the two-pin power plug on the wiring harness and connect to the socket on the bottom of the audio system (r).

Secure the harness in front of the tank using a tie wrap (s).

Be sure to switch on the Harley-Davidson accessory switch located in front of the gas tank, otherwise no power will get to your audio system (t).



q



r



s



t

RECONNECT THE BATTERY  
AND REINSTALL THE SEAT.  
THE INSTALLATION  
IS COMPLETE.

## WINDSHIELD & WINDSHIELD LOCK — FINAL INSTALLATION

Push the windshield back into place on the bike (u) — if you installed the optional windshield locking brackets, you can rotate the lock bracket down into the lock positions (v). Make sure the hole in the lock hook aligns with the hole in the windshield frame (w).

Insert the lock screw (x) and tighten with the Torx driver. Repeat on the other side. Now, the windshield cannot be removed without removing the screws.

### LOCKING BRACKET



u

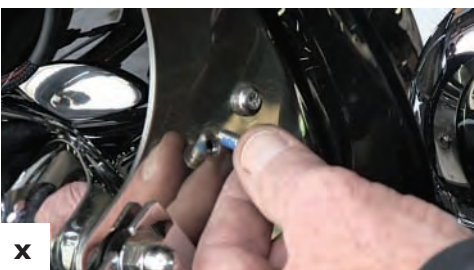


v



w

ALIGN HOLES



x





### **SYSTEM COVER ACCESSORY**

Use the optional Twisted Audio cover accessory to help protect your audio system against the elements.

### **IMPORTANT NOTES**

The audio system is weather-resistant. However, don't expose the system to high pressure (hose & nozzle) water spray.

Detach windshield/audio system when washing the motorcycle. Evidence of excessive water exposure will void the warranty.

**ALWAYS PAY FULL ATTENTION  
WHEN RIDING YOUR MOTORCYCLE.**

**DO NOT OPERATE OR ADJUST YOUR  
SYSTEM WHEN RIDING.**



*Jam Straight!!!*