



# TWISTED AUDIO



## INSTALLATION MANUAL

**MODELS:**  
**TAWAS100-HT**  
**TAWAS100-DLX**

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**80 WATT Windshield-Mount  
Audio System**

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For Harley-Davidson Heritage Softail  
and Deluxe 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

Visit our website at  
[www.twistedaudioradios.com](http://www.twistedaudioradios.com)

## MODEL COMPATIBILITY

Harley-Davidson non-fairing touring and Softail  
Models with windshields as follows:

| Radio Model # | Applications     |
|---------------|------------------|
| TAWAS100-HT   | Heritage Softail |
| TAWAS100-DLX  | Softail Deluxe   |

## 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

On the radio, remove the four screws and washers from the rear of the unit.

Note that the two upper screws are shorter than the lower screws.



## ATTACHING THE AUDIO SYSTEM TO THE WINDSHIELD

Attach the two provided brackets to the radio (a). Use the screws removed from the radio earlier to install the brackets. Insert and tighten the shorter top screws.

The longer screws will be used in the bottom holes (b). Loosely put them in the holes now to keep them handy.



Remove the five OEM windshield screws and acorn nuts from the windshield frame. The three indicated

here (c) on the top horizontal frame. And the two here (d) on the vertical frames.



Now attach the audio system to the windshield. Remove the two long screws we stored in the lower radio holes and place the radio housing on the windshield (e).

Line up the bottom holes on the radio brackets (f) with the bottom holes on the windshield frames. Insert the long radio screws through the bracket and windshield frame and finger tighten.





# INSTALLATION • ASSEMBLY AND ELECTRICAL HARNESS

Use the long screws removed from the windshield frame and insert them through the top windshield frame holes into the lower radio mounting holes (g) and finger tighten.

Tighten all screws with the Torx wrench. Finally, (h) insert and tighten the center windshield frame screw.



## STAGE THREE: INSTALL RADIO ELECTRIC HARNESS

Next, you must install the wiring harness supplied with your audio system (i). First you must remove the seat and completely disconnect the battery.

On these motorcycle models you need to lift the gas tank up to install the harness underneath, along the frame. Start by removing the hardware that holds the tank, the long bolt at the front of the tank (j) and the screw at the rear of the tank (k).



Once released you can lift the tank (l) and block it up an inch or two using anything handy, such as a screwdriver (m).





## INSTALLATION • ELECTRICAL HARNESS

Now, run the audio system harness along the bike wiring on the frame. You will need to feed the harness through the rubber wiring tunnel. To do this, straighten a coat hanger and push it(n) though the wiring tunnel all the way

from the rear to the front(o) of the tank. At the rear of the tank tape the wiring harness to the hanger using electrical tape(p). Use extra tape to cover the front of the harness plug, this will help smooth the feeding progress.



Use the hanger to pull the harness from the front end of the gas tank, until the taped plug is through the

tunnel(q). Un-tape the harness from the hanger then remove the hanger.



Feed the harness up the handlebar(r) to the audio system and zip-tie the harness to the existing bike wiring using

2 or 3 ties in front(s) of the tank and behind the tank(t).



Put the gas tank back in place and tighten the hardware that attaches the tank.





# INSTALLATION · HARNESS AND WINDSHIELD LOCK

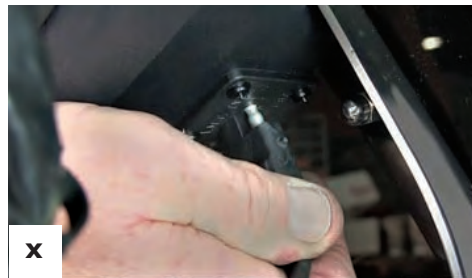
Now, connect the wiring harness to the battery under the seat. The orange cable, goes to the positive terminal, (u) then the black cable goes to the negative terminal (v).



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



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



Flip the switch on the front of the radio to power it up (y).

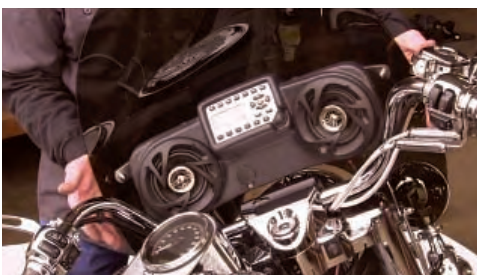


## STAGE FOUR: INSTALL WINDSHIELD & WINDSHIELD LOCK

Push the windshield into place on the bike.

If you purchased the optional windshield locking brackets, now's the time to install them. Position the lock bracket on the inside of the windshield frame, aligning the hole with the hole on the

windshield frame (z) and the hook over the bike frame as you see here. Insert the lock screw (zz) and tighten with the Torx driver. Repeat on the other side. Now the windshield cannot be removed without removing the screws. Reinstall the seat and you are done.



**HOOKS OVER BIKE FRAME**  
**ALIGN THE HOLE**



**LOCK SCREW**



### **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.**

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



*Jam Straight!!!*