



Harley-Davidson Street Glide, Electra Glide, Ultra, and Limited Models 2014-Up[†] / Road Glide 2015-Up[†]

[†] Non-amplified models only

KIT FEATURES

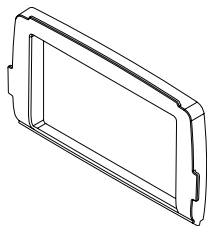
- ISO DDIN radio provision*
- Axxess interface in water resistant enclosure included
- ASWC-1 in water resistant enclosure included, to retain handlebar controls
- Antenna adapter included

* This kit can only be used with an ISO DDIN radio that has an "L" shaped chassis design, with the radio chassis at the top of the screen. At present only the Sony XAV-AX100, XAV-AX200, and XAV-AX5000 radios have this design.

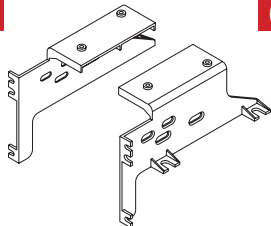
KIT COMPONENTS

- A) Radio housing • B) Radio brackets • C) (4) #8 x 3/8" Phillips screws • D) (4) #10-32 x 1/2" Phillips steel machine screws
- E) Axxess interface (not shown) • F) ASWC-1 interface (not shown)

A



B



C



D

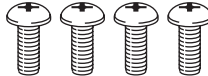


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WIRING & ANTENNA CONNECTIONS (sold separately)

Wiring Harness: Axxess interface and harness included

Antenna Adapter: Included

Steering wheel control interface: Included

TOOLS REQUIRED

- Panel removal tool • Phillips screwdriver
- Torx screwdrivers • Allen wrenches

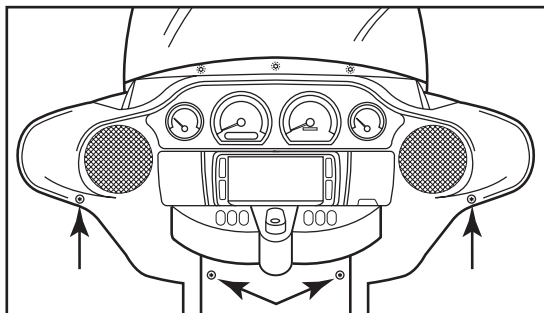
CAUTION! All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before cycling the ignition. Also, do not remove the factory radio with the key in the on position, or while the vehicle is running.

FAIRING DISASSEMBLY

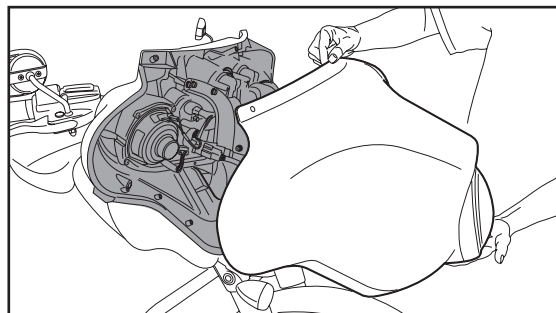
Harley Davidson Street Glide, Electra Glide, Ultra, and Limited models 2014-up

1. Remove (4) T-27 from inner fairing. (Figure A)
2. Remove (3) T-27 from windshield (caution not to drop the outer fairing or windshield). (Figure B)
3. Remove outer fairing, unplugging the headlight. (Figure C)
4. Remove (2) T-27 to remove the fairing vent and remove the vent. (Figure D)

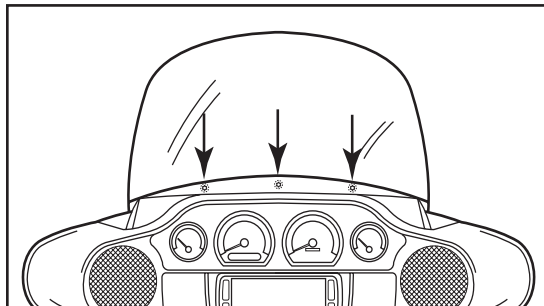
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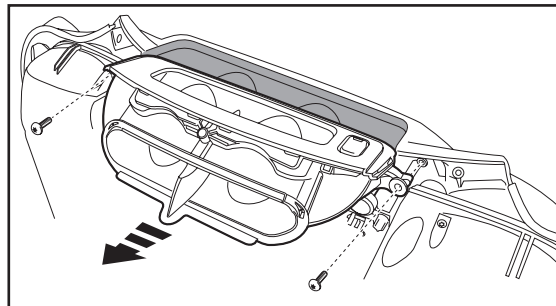
(Figure A)



(Figure C)



(Figure B)



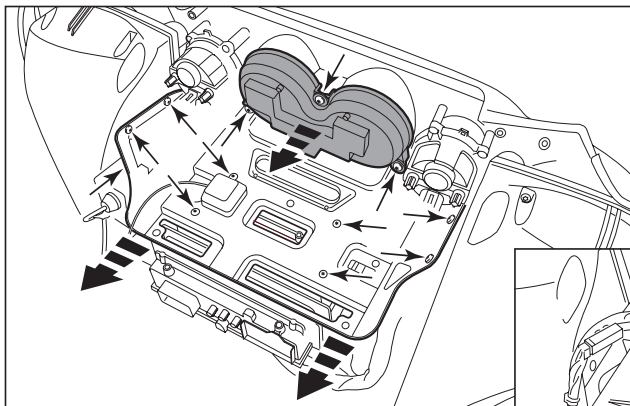
(Figure D)

FAIRING DISASSEMBLY (CONT)

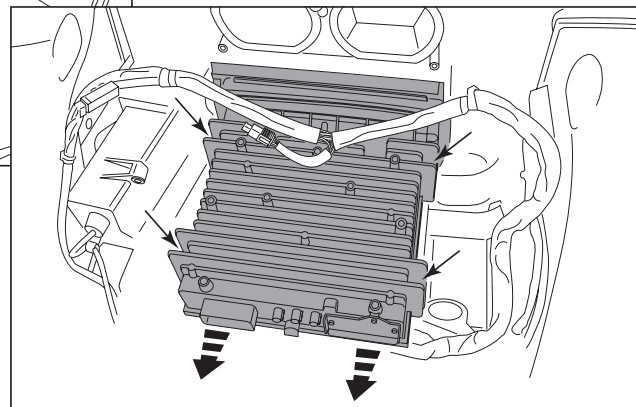
5. Remove (11) screws securing the radio bracket: (Figure E)
 - a. (2) T-27 Torx screws shared with the gauge cluster and a third T-27 Torx screw to remove the gauge cluster in step 7.
 - b. (4) 5/32" Allen screws facing outward.
 - c. (4) T-25 Torx screws secured to the radio.
 - d. (1) T-25 Torx screw shared with the storage pocket.
6. Remove the radio bracket. (Figure E)

Note: This bracket will be reused with the 95-9700WR kit.
7. Remove the gauge cluster. (Figure E)
8. Remove (4) 3/16 Allen screws from the sides of radio. (Figure F)

Note: These screws will be reused with the 95-9700WR kit.
9. Slide the radio out toward the rear of the bike, and unplug the radio. (Figure F)



(Figure E)



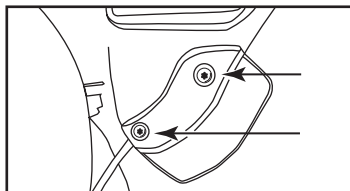
(Figure F)

FAIRING DISASSEMBLY (CONT)

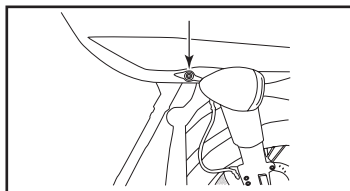
Harley Davidson Road Glide 2015-up

1. Remove the lower torx screws on either side holding the wind deflector wings (only the lower two need to be removed). (Figure A)
2. Remove (1) 3/16 Allen screw securing each turn signal. (Figure B)
3. Remove (4) Phillips screws from the windshield and set the windshield aside. (Figure C)
4. Remove the top fairing trim clipped to the top of the radio. (Figure D)
5. Unplug the turn signals.
6. Remove the speaker grills with a panel removal tool and remove (1) torx screw from each side.(Figure E)

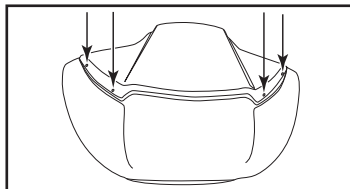
CAUTION: The fairing will be loose at this point. Have a helper hold it to keep from damaging it when removing the screws.



(Figure A)



(Figure B)



(Figure C)

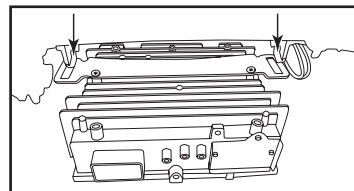
7. Remove the fairing and set aside.
8. Remove (4) 3/16 Allen screws from the sides of the radio.

Note: These screws will be reused with the 95-9700WR kit.

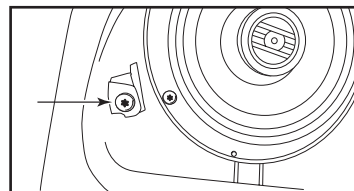
CAUTION: Be sure to hold the radio when removing the last screw so it will not drop.

9. Unplug and remove the radio.
10. Remove (2) Torx screws securing the fairing bracket attached to the radio.

Note: This bracket will be reused with the 95-9700WR kit. Please note the orientation of the bracket. The curved portion faces the rear of the bike.



(Figure D)



(Figure E)

KIT ASSEMBLY

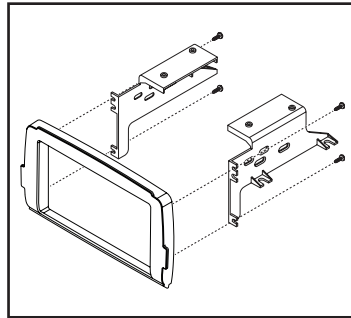
1. Secure the **radio brackets** to the **radio housing** with (4) #8 x 3/8" Phillips screws supplied. (Figure A)
2. Slide the radio into the radio housing assembly and secure with screws supplied with the radio. (Figure B)
3. Secure the radio housing assembly to the bike using (4) 3/16 Allen screws previously removed in step 8 of disassembly. (Figure C)

4. **a. For the Street Glide, Electra Glide, Ultra, and Limited models 2014-up:**

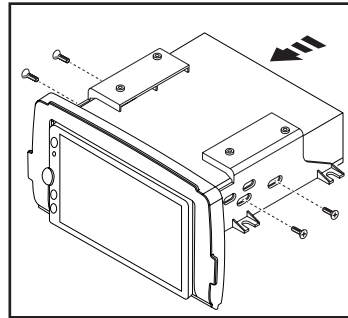
Attach the radio bracket removed in step 6 of disassembly to the top of the radio housing assembly, and secure with (4) #10-32 x 1/2" Phillips steel machine screws supplied.

b. For the Road Glide 2015-up:

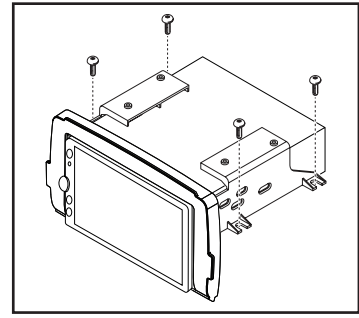
Attach the fairing bracket removed in step 10 of disassembly to the top of the radio housing assembly, and secure with (4) #10-32 x 1/2" Phillips steel machine screws supplied. Ensure the bracket is far forward, and the curved portion is facing the rear of the bike as mentioned in disassembly.



(Figure A)



(Figure B)



(Figure C)

Continue to Axxess Interface Installation

AXXESS INTERFACE INSTALLATION

INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Retains balance
- Retains handlebar controls
- Micro-B USB updatable

INTERFACE COMPONENTS

- Axxess Interface:
 - Circuit board
 - Housing, cap, and cover
 - Harness
- ASWC-1 Interface:
 - Circuit board
 - Housing, cap, and cover
 - Harness
 - 3.5mm adapter

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TOOLS REQUIRED

- Cutting tool • Crimping tool • Tape
- Connectors (example: butt-connectors, bell caps, etc.)

PRE-WIRING INSTRUCTIONS

Perform the following steps for each interface.

1. Push the **harness** into the **cap**.
2. Connect the **harness** to **circuit board**, then clip it onto the circuit board enclosure.

Note: Make sure the harness labeled “ASWC” goes onto the circuit board enclosure labeled “ASWC”

3. After the interface has been programmed and tested, install the **cover** onto the opening of the housing.

WIRING INSTRUCTIONS

From the 95–9700WR harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the battery wire.
- Connect the **Red** wire to the accessory wire.
- Connect the **Orange** wire to the illumination wire. (If the aftermarket radio has no illumination wire, tape off the **Orange** wire).
- Connect the **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- Connect the **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right front negative speaker output.
- Connect the **Green** wire to the left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative output

WIRING INSTRUCTIONS (CONT)

12 pin pre-wired ASWC-1 harness:

This harness is to be used along with the ASWC-1 (provided) to retain handlebar audio controls. Please note that “handlebar control” is also referred to as “steering wheel control”.

- For the radios listed below, connect the included *female 3.5mm connector with stripped leads*, to the male 3.5mm SWC jack. Any remaining wires tape off and disregard:
 - **Eclipse:** Connect the steering wheel control wire, normally **Brown**, to the **Brown/White** wire of the connector. Then connect the remaining steering wheel control wire, normally **Brown/White**, to the **Brown** wire of the connector.
 - **Metra OE:** Connect the steering wheel control Key 1 wire (**Gray**) to the **Brown** wire.
 - **Kenwood or select JVC with a steering wheel control wire:** Connect the **Blue/Yellow** wire to the **Brown** wire.
- **Note:** If your **Kenwood** radio auto detects as a JVC, manually set the radio type to **Kenwood**. See the instructions under changing radio type.
- **XITE:** Connect the steering wheel control SWC-2 wire from the radio to the **Brown** wire.
- **Parrot Asteroid Smart or Tablet:** Connect the 3.5mm jack into the AX-SWC-PARROT (sold separately), and then connect the 4-pin connector from the AX-SWC-PARROT into the radio.

Note: The radio must be updated to rev. 2.1.4 or higher software.

- **Universal “2 or 3 wire” radio:** Connect the steering wheel control wire, referred to as Key-A or SWC-1, to the **Brown** wire of the connector. Then connect the remaining steering wheel control wire, referred to as Key-B or SWC-2, to the **Brown/White** wire of the connector. If the radio comes with a third wire for ground, disregard this wire.
- **Note:** After the interface has been programmed to the vehicle, refer to the manual provided with the radio for assigning the SWC buttons. Contact the radio manufacturer for more information.
- **For all other radios:** Connect the 3.5mm jack into the jack on the aftermarket radio designated for an external steering wheel control interface. Please refer to the aftermarket radios manual if in doubt as to where the 3.5mm jack goes to.

INSTALLING THE INTERFACE

It is highly advisable to read the following steps beforehand, to ensure a clear understanding of what is to be expected. The following steps must be done in the order that they are numbered.

With the key in the off position:

1. Connect the 95-9700WR harness into the interface, and then to the wiring harness in the vehicle.
2. Connect the antenna adapter (provided), and complete all necessary connections to the radio.
3. Do not connect the ASWC-1 just yet, leave it disconnected.

Attention! To prevent error codes, all electronic devices including the headlight and turn signals must be connected before proceeding to the next step.

INITIALIZING THE INTERFACE

Attention! If the interface loses power for any reason, the following steps will need to be performed again.

1. Turn the key to the ignition position and wait until the radio comes on.
Note: If the radio does not come on within 60 seconds, turn the key to the off position, disconnect the interface, check all connections, reconnect the interface, and then try again.
2. Test the radio for proper operation.
3. Turn the key to the off position.

INITIALIZING THE INTERFACE (CONT)

4. Connect the ASWC-1 and program it:
 - a. Turn the ignition on, the LED will start flashing rapidly.
Note: If the LED did not start flashing rapidly, press the reset button for 3 seconds.
 - b. Tap the Volume Up button on the handlebar at a moderate pace until the L.E.D. stops flashing rapidly.
 - c. After a few seconds the LED should stop flashing rapidly, and then go out for approximately 2 seconds.
 - d. After approximately 2 seconds there will be a series of 7 **Green** flashes, (6) short, and (1) long. The (1) long flash represents that the ASWC-1 detected the vehicle.
Tip: Knowing this will help to troubleshoot, if need be.
 - e. The LED will pause for another 2 seconds, and then flash **Red** up to (18) times depending on which radio is connected to the interface. Refer to the L.E.D. feedback section for information.
 - f. This is the end of the auto detection stage. If the ASWC-1 detected the radio and vehicle successfully, the L.E.D. will light up solid.
 - g. Test the handlebar controls for proper operation. Refer to "Handlebar Control Settings" before proceeding onto the next step.
5. Turn the key to the off position.

FINAL ASSEMBLY

1. Reassemble the fairing in reverse order of disassembly.

HANDLEBAR CONTROL SETTINGS

L.E.D. Feedback

The (18) **Red** L.E.D. flashes represent which brand radio the ASWC-1 is connected to. Each flash represents a different radio manufacturer. For example, if you are installing a JVC radio, the ASWC-1 will flash Red (5) times, and then stop. Following is a legend that dictates which radio manufacturer corresponds to which flash.

L.E.D. Feedback Legend

1 flash - Eclipse (Type 1) †	8 flashes - Visteon	12 flashes - Eclipse (Type 2) †
2 flashes - Kenwood ‡	9 flashes - Valor	13 flashes - LG
3 flashes - Clarion (Type 1) †	10 flashes - Clarion (Type 2) †	14 flashes - Parrot **
4 flashes - Sony / Dual	11 flashes - Metra OE	15 flashes - XITE
5 flashes - JVC		16 flashes - Philips
6 flashes - Pioneer / Jensen		17 flashes - TBD
7 flashes - Alpine *		18 flashes - JBL

*** Note:** If the ASWC-1 flashes Red (7) times, and you do not have an Alpine radio connected to it, that means the ASWC-1 does not detect a radio connected to it. Verify that the 3.5mm jack is connected to the correct steering wheel jack/wire in the radio.

**** Note:** The AX-SWC-PARROT is required (sold separately). Also, the Parrot radio must be updated to rev. 2.1.4.

† Note: If you have a Clarion radio and the handlebar controls do not work, change the radio type to the other Clarion radio type; same for Eclipse. The following section explains how to do this.

‡ Note: If you have a Kenwood radio and the L.E.D. feedback comes back as showing as a JVC radio, change the radio type to a Kenwood. The following section explains how to do this.

Attention: The Axxess Updater App can also be used to program the following (3) sub-sections as well, pending that the interface has been initialized and programmed.

Radio Type

If the L.E.D. flashes do not match the radio that is connected, change the radio type.

1. After (3) seconds of turning the key on, press and hold the Volume-Down button on the handlebar until the L.E.D. in the ASWC-1 goes solid.
2. Release the Volume-Down button; the L.E.D. will go out indicating we are now in Changing Radio Type mode.
3. Refer to the Radio Legend to know which radio number you would like to have programmed.
4. Press and hold the Volume-Up button until the L.E.D. goes solid, and then release. Repeat this step for the desired radio number.
5. Once the desired radio number has been selected, press and hold the Volume-Down button on the handlebar until the L.E.D. goes solid. The L.E.D. will remain on for about (3) seconds while it stores the new radio information.
6. Once the L.E.D. goes off, the Radio Type mode will then end. You can now test the handlebar controls.

Note: If at any time the user fails to press any button for a period longer than ten seconds, this process will abort.

HANDLEBAR CONTROL SETTINGS (CONT)

Radio Legend

1 - Eclipse (Type 1)	6 - Pioneer/Jensen	10 - Clarion (Type 2)	14 - Parrot
2 - Kenwood	7 - Alpine	11 - Metra OE	15 - XITE
3 - Clarion (Type 1)	8 - Visteon	12 - Eclipse (Type 2)	16 - Philips
4 - Sony / Dual	9 - Valor	13 - LG	17 - TBD
5 - JVC			18 - JBL

Remap Buttons

The interface has the ability to change the button assignment for the handlebar control buttons, except Volume-Up and Volume-Down. Follow the steps below to remap the handlebar control buttons.

1. Within the first twenty seconds of turning the ignition on, press and hold the Volume-Up button on the handlebar until the L.E.D. goes solid.
2. Release the Volume-Up button, the L.E.D. will then go out; The Volume-Up button has now been programmed.
3. Follow the list in the Button Assignment Legend to reference the order in which the handlebar control buttons need to be programmed.

Note: If the next function on the list is not present on the handlebar, press the Volume-Up button for (1) second until the L.E.D. comes on, and then release the Volume-Up button. This will tell the ASWC-1 that this function is not available, and it will move on to the next function.

4. To complete the remapping process, press and hold the Volume-Up button on the handlebar until the L.E.D. in the ASWC-1 goes out.

Button Assignment Legend

1 - Not allowed	10 - Band
2 - Not allowed	11 - Play/Enter
3 - Seek-Up/Next	12 - PTT (push to talk)
4 - Seek-Down/Prev	13 - On-Hook
5 - Mode	14 - Off-Hook
6 - Mute	15 - Fan-Up *
7 - Preset-Up	16 - Fan-Down *
8 - Preset-Down	17 - Temp-Up *
9 - Power	18 - Temp-Down *

*** Not applicable in this application**

Note: The aftermarket radio may not have all of these commands. Please refer to the manual provided with the radio, or contact the radio manufacturer, for specific commands recognized by that particular radio.

HANDLEBAR CONTROL SETTINGS (CONT)

Dual Assignment (long button press)

The ASWC-1 has the capability to assign two functions to a single button, except Volume-Up and Volume-Down. Follow the steps below to program the button(s) to your liking.

Note: *Seek-Up and Seek-Down come programmed as Preset-Up and Preset-Down for a long button press.*

1. Turn on the ignition but do not start the vehicle.
2. Press and hold down the handlebar control button that you want to assign a long press function to, for ten seconds, or until the L.E.D. flashes rapidly. At this point release the button; the L.E.D. will then go solid.
3. Press and release the Volume-Up button the number of times corresponding to the new button number selected. Refer to the Dual Assignment Legend. The L.E.D. will flash rapidly while the Volume-Up button is being pressed, and then go back to a solid L.E.D. once released. Go to the next step once the Volume-Up button has been pressed the desired number of times.

Caution: *If more than ten seconds elapses between pressing the Volume-Up button, this process will abort, and the L.E.D. will go out.*

4. To store the long press button in memory, press the button that you assigned a long press button to (the button held down in Step 2). The L.E.D. will now go off indicating the new information has been stored.

Note: *These steps must be repeated for each button you would like to assign a dual purpose feature to. To reset a button back to its default state, repeat Step 1, and then press the Volume-Down button. The L.E.D. will go off, and the long press mapping for that button will be erased.*

Dual assignment legend

- | | |
|--------------------|------------------|
| 1 - Not allowed | 10 - Band |
| 2 - Not allowed | 11 - Play/Enter |
| 3 - Seek-Up/Next | 12 - PTT |
| 4 - Seek-Down/Prev | 13 - On-Hook |
| 5 - Mode/Source | 14 - Off-Hook |
| 6 - ATT/Mute | 15 - Fan-Up * |
| 7 - Preset-Up | 16 - Fan-Down * |
| 8 - Preset-Down | 17 - Temp-Up * |
| 9 - Power | 18 - Temp-Down * |

*** Not applicable in this application**

UPDATING THE 95-9700WR

- Download and install the Axxess Updater.
- Connect the USB-MINI-CAB update cable (sold separately) between the Axxess interface included with the 95-9700WR and the computer.
- From the Start Menu of the computer, click on on “All Programs”, then “Axxess Updater”.
- Press “Update Firmware” on both pages. The software will begin to download at this point.

Note: *Please note which firmware downloaded to the interface. This will help in troubleshooting, if need be.*