



## Volvo\* C30 2008-2013, C70 2006-2013, S40\* 2004-2011, V50 2005-2011

\* (Amplified Models Without Navigation Radios Only)

Visit [MetraOnline.com](http://MetraOnline.com) for more detailed information about the product and up-to-date vehicle specific applications

### KIT FEATURES

- Allows for the installation of a single DIN aftermarket stereo
- Retains steering wheel control functionality
- Retains phone button functionality
- Retains amplified system
- Retains warning chimes/parking sensor audio (via integrated speaker)
- Provides outputs for speed pulse, park brake and reverse gear

### KIT COMPONENTS

- A) Radio trim panel
- B) Radio bracket
- C) Panel clips (2)
- D) Radio screws (M5x8) (4)
- E) Steering wheel control interface and wiring harness
- F) Axxess interface and wiring harness
- G) External Speaker
- H) Antenna adapter

### TABLE OF CONTENTS

Dash Disassembly.....	2
Kit Preparation.....	3
Kit Assembly.....	4
Axxess Interface Installation.....	5
Final Assembly.....	10

### WIRING & ANTENNA CONNECTIONS (sold separately)

- Wiring Harness: Included with kit
- Antenna Adapter: Included with kit
- Steering wheel control interface: Included with kit

### TOOLS REQUIRED

- Torx Screwdriver (T20 screws)
- Bojo panel remover
- Dremel with cut-off wheel

**ATTENTION:** With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections are secure before cycling the ignition to test this product.  
**NOTE:** Refer to the instructions included with the aftermarket radio.

## DASH DISASSEMBLY

1. Use a panel removal tool to carefully pry the radio panel from the center console in the locations marked by the red arrows. Once separated, pull it up and away from the dash, being careful not to break the down facing tabs at the bottom of the bezel. (Figure A)
2. Place the panel removal tool in the locations marked by the red arrows and pry the factory screen outward. (Figure B)
3. With the factory screen out, unplug the wires by squeezing the triggers on the connectors. Remove the (2) T20 screws. (Figure C)
4. Using the panel tool, remove the panel behind the gear shifter to gain access to (2) T20 screws. Remove the (2) T20 screws. (Figure D)
5. Disconnect the console and unplug the one connector in the back by pushing down the trigger on the connector.
6. Returning to the dash, remove (2) T20 screws securing the factory radio and pull out the radio assembly. Unplug the connectors.

*Continue to Kit Preparation*



(Figure A)



(Figure C)



(Figure B)

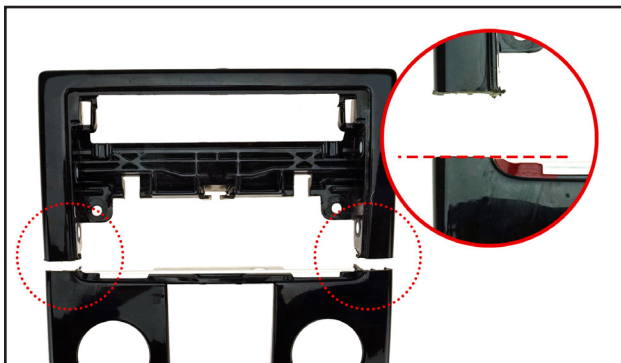


(Figure D)

## KIT PREPARATION

1. Cut the center panel in line with the highlighted tab just above the bottom of the opening on each side. The radio trim panel will cover the cut marks; however, please cut as straight and neat as possible.

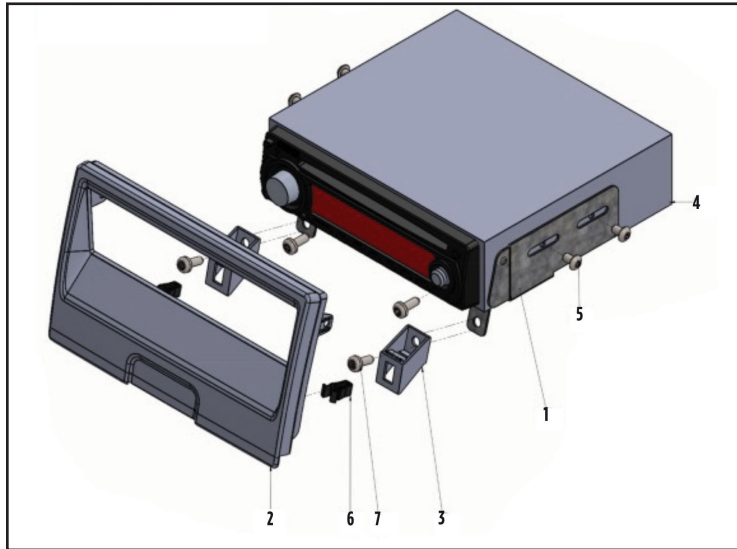
*Continue to Kit Assembly*



## KIT ASSEMBLY

### ISO-DIN Radio Provision Assembly Diagram

- 1) Bracket
- 2) Radio Trim Bezel
- 3) Clip Mounts
- 4) Aftermarket Radio
- 5) Supplied M5 x 8 (x4)
- 6) Plastic Clip
- 7) OEM screws (re-use)



(Figure A)

1. Attach the bracket to the aftermarket radio using the (4) M5 x 8 screws provided with this kit.
2. Fasten the (2) clip mounts to the bottom of the radio using the (2) T20 screws from the radio disassembly. (Figure A)
3. Fasten the plastic clips to the radio bezel, lining up the clips with the clip mounts. (Figure A)
4. After connecting all the necessary wiring, mount the bracket/radio assembly into the dash using the screws supplied by the factory radio.
5. Reconnect the negative battery terminal and prepare for the Axxess interface installation.

# AXXESS INTERFACE INSTALLATION

## INTERFACE FEATURES

---

- Retains Factory Steering Wheel Controls
- Retains Factory Phone Button Functionality†
- Retains Amplified System
- Retains Warning Chimes/Parking Sensor Audio
- Provides Outputs for Park Brake, Reverse Gear and Speed Pulse
- Micro-B USB updatable

† Radio dependent

## INTERFACE COMPONENTS

---

- 9235B harness
- 9235B interface
- External Chime box
- AXSWC harness
- AXSWC interface
- Female 3.5mm connector with stripped leads

## TABLE OF CONTENTS

---

Connections.....	6
Installation .....	7
Programming.....	8
L.E.D. Feedback .....	9

## TOOLS REQUIRED

---

- Crimping tool and connectors
- or
- Solder gun, solder, and heat shrink
- Tape
- Wire cutter
- Zip-ties

## CONNECTIONS

**From the 9235B harness to the aftermarket radio, connect as indicated:**

- **Black** wire to the ground wire.
- **Yellow** wire to the battery wire.
- **Red** wire to the accessory wire.

**Note:** There will an accessory wire from the **AXSWC harness** to connect as well.

- **Blue** wire to the power antenna wire.
- **Orange** wire to the illumination wire (if applicable).
- **Gray** wire to the right front (+) speaker output.
- **Gray/Black** wire to the right front (-) speaker output.
- **White** wire to the left front (+) speaker output.
- **White/Black** wire to the left front (-) speaker output.
- **Green** wire to the left rear (+) speaker output.
- **Green/Black** wire to the left rear (-) speaker output.
- **Purple** wire to the right rear (+) speaker output.
- **Purple/Black** wire to the right rear (-) output.

### Factory Amplifier Location

The amplifier retention harness must be run from the radio to the amplifier's location in the trunk. Then the 9235 harness must be plugged into the radio.

### External Speaker Mounting

With the dash apart, find a location to securely mount the external speaker in the dash. If room is limited, the speaker can be mounted under the passenger side of the dash.

### 3.5mm jack - Steering Wheel Control Retention:

The 3.5mm jack is to be used to retain audio controls on the steering wheel control.

**For the radios listed below:** Connect the female **3.5mm connector** with stripped leads to the male 3.5mm **SWC jack** from the **AXSWC harness**. Tape off and disregard remaining wires.

- **Eclipse:** Connect the SWC wire, **Brown** to the **Brown/White** wire of the connector. Then connect the remaining SWC wire, **Brown/White** to the **Brown** wire of the connector.
- **Metra OE:** Connect the SWC (Key 1) wire **Gray** to the **Brown** wire.
- **Kenwood or select JVC with a SWC wire:** Connect the **Blue/Yellow** wire to the **Brown** wire.  
**Note:** If the **Kenwood** radio auto detects as a **JVC**, manually set the radio type to **Kenwood**. See the instructions under changing radio type.
- **XITE:** Connect the SWC (SWC-2) wire from the radio to the **Brown** wire.
- **Parrot Asteroid Smart or Tablet:** Connect the 3.5mm jack into the AXSWCH-PAR (sold separately), and then connect the 4-pin connector from the AXSWCH-PAR 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 SWC wire, (Key-A or SWC-1) to the **Brown** wire of the connector. Then connect the remaining SWC wire, (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 port on the radio designated for an external SWC interface. Refer to the manual provided with the radio, if in doubt as to where the 3.5mm jack goes.

### Adding aftermarket camera:

Connect the **Yellow** female RCA cable from the aftermarket camera to the male RCA video wire. Then plug the **Yellow** male RCA video wire into the reverse camera input of your aftermarket radio.

# INSTALLATION

## With the key in the off position:

1. Connect the **9235B harness** to the **interface**.
2. Connect the **AXSWC harness** to the **AXSWC interface**, and then to the **9235B interface**.
3. Locate the factory antenna connector in the dash and complete all necessary connections to the radio. Use the antenna adapter provided to adapt the factory antenna connector to the aftermarket radio.

**Attention!** If retaining steering wheel controls, ensure that the Steering Wheel Control jack/wire is connected to the radio before proceeding. If this step is skipped, the interface will need to be reset for the steering wheel controls to function.

## PROGRAMMING

1. Press and hold the **Volume Up** button on the steering wheel.
2. Turn the ignition on. The L.E.D. in the **Steering Wheel Control interface** will start flashing rapidly, as the **Steering Wheel Control interface** searches for the auto manufacturer.
3. After a few seconds the L.E.D. should stop flashing rapidly, then go out for approximately (2) seconds.
4. After that (2) seconds there will be a series of (7) **Green** flashes, some short, and some long. The long flashes represent the wires that are connected from the vehicle to the **Steering Wheel Control interface**. The 3rd, 4th, 5th, and 6th flashes should be longer.
5. The L.E.D. will pause for another (2) seconds, then begin flashing **Red** (up to 18 times) as the SWC interface locates the aftermarket radio installed. Refer to the **L.E.D. Feedback Legend** for the number of times the light should flash for the aftermarket radio installed.
6. This is the end of the auto detection stage. If the **Steering Wheel Control interface** detected the vehicle and radio successfully, the L.E.D. will light up solid. If not, refer to the troubleshooting documents available at [axxessinterfaces.com](http://axxessinterfaces.com).
7. Test all functions of the installation for proper operation before reassembling the dash. Refer to the **Steering Wheel Control** documents available at [axxessinterfaces.com](http://axxessinterfaces.com).



# LED FEEDBACK

**L.E.D. Feedback:** The (23) **Red L.E.D.** flashes represent a different radio manufacturer for the **AXSWC interface** to detect. For example, if you are installing a **JVC** radio, the **AXSWC interface** will flash **Red** (5) times, then stop. Following is the **L.E.D Feedback Legend**, which indicates the flash count of the radio manufacturer

## L.E.D. Feedback Legend

Flash Count	Radio
1	Eclipse (type 1) †
2	Kenwood ‡
3	Clarion (type 1) †
4	Sony / Dual
5	JVC
6	Pioneer / Jensen
7	Alpine *
8	Visteon
9	Valor
10	Clarion (type 2) †
11	Metra OE
12	Eclipse (type 2) †

Flash Count	Radio
13	LG
14	Parrot **
15	XITE
16	Philips
17	TBA
18	JBL
19	Insane
20	Magnadyne
21	Boss
22	Axxera
23	Axxerra (type 2)

## KEYNOTES

- \* If the **AXSWC interface** flashes **Red** (7) times, and an **Alpine** radio is not installed, that means there is an open connection not accounted for. Verify that the 3.5mm jack is connected to the correct steering wheel jack/wire in the radio.
- \*\* The **AXSWCH-PAR** is required (sold separately). Also, the software in the radio must be rev. 2.1.4 or higher.
- † If a **Clarion** or **Eclipse** radio is installed and the steering wheel controls do not function, change the radio to **Clarion (type 2)** or **Eclipse (type 2)** respectively. If the steering wheel controls still do not function, refer to the **Changing Radio Type** document available at [axxessinterfaces.com](http://axxessinterfaces.com).
- ‡ If a **Kenwood** radio is installed and the L.E.D. feedback flashes (5) times instead of (2), manually change the radio type to **Kenwood**. To do this, refer to the **Changing Radio Type** document available at [axxessinterfaces.com](http://axxessinterfaces.com).







**99-9235B**  
INSTALLATION INSTRUCTIONS



Having difficulties? We're here to help.



Contact our Tech Support line at:

**386-257-1187**



Or via email at:

[techsupport@metra-autosound.com](mailto:techsupport@metra-autosound.com)

**Tech Support Hours (Eastern Standard Time)**

Monday - Friday: 9:00 AM - 7:00 PM

Saturday: 10:00 AM - 7:00 PM

Sunday: 10:00 AM - 4:00 PM



**KNOWLEDGE IS POWER**

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto [www.installerinstitute.edu](http://www.installerinstitute.edu) or call 386-672-5771 for more information and take steps toward a better tomorrow.



**Metra recommends MECP  
certified technicians**