



Driving without distraction is a necessity for a safer driving experience.



## **STS-HF**

Quick Start Installation Guide for 2005-11 Cadillac STS with XM Tuner

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## Introduction:

Many 2005-11 Cadillac STS owners are eager to bring their smartphones and other digital media devices on the road and with them tons of music applications. The STS-HF works with virtually all Bluetooth enabled phones and sounds great whether using it for mobile conversations, streaming music applications or listening to XM (if subscribed). One button with built-in mic conveniently installed on the dash is used to launch Voice Recognition application (Siri, Google Now, Assistant etc.), initiate phone calls, launch applications and more. **Keep the radio, car and XM Tuner subscription** while enjoying Bluetooth features only available on newer cars. **Note: Vehicle must have an XM tuner with or without subscription. If subscribed that option remains operational.** See **Frequently Asked question** at the end of this guide for details.

## Installation:

Radio removal required to gain access to the connectors.

1. Using a panel removal tool, unclip and remove the top A/C vents panel (See Fig. 1)

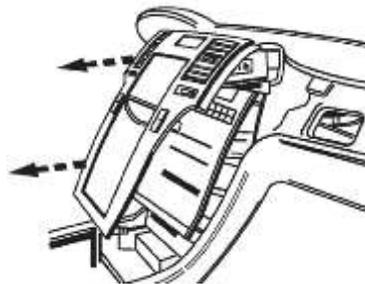


Fig. 1

2. Remove 10mm screws securing radio to dash (See Fig. 2)

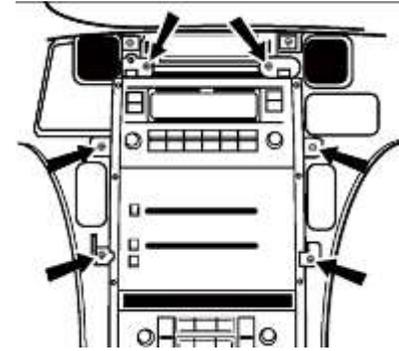


Fig. 2

3. Pull radio forward to reveal connectors (See Fig. 3)

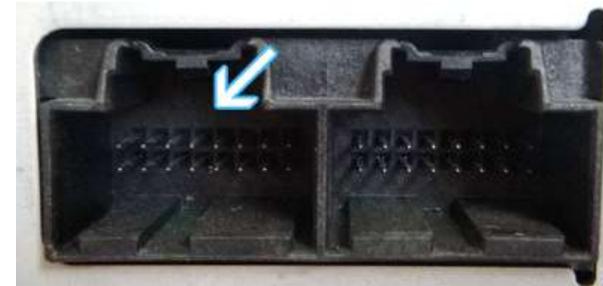


Fig. 3

Radio 16-pin connector

4. Disconnect 16-pin plug (See Fig. 4) from radio (See Fig 3). To release plug, pull back blue locking tab, press black release tab. (See Fig. 4) **Warning: When disconnecting factory plugs, do not pull on wires. Press release tab, grasp and pull plug to remove.**



**Fig. 4**  
16-pin plug

5. Connect factory 16-pin plug to mating connector on installation harness (See **Fig. 5**)



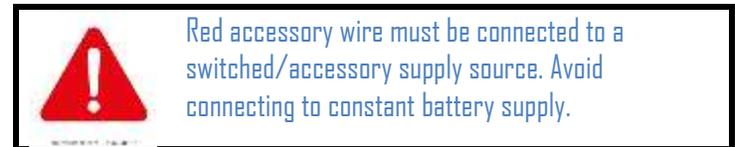
**Fig. 5**  
16-pin connector

6. Connect 16-pin plug from installation harness (See **Fig. 4**) to radio chamber vacated in step 4
7. Secure **Black (ground) wire** from installation harness to chassis ground or simply remove radio chassis screw and secure ground wire to radio as seen in **Fig. 6**



**Fig. 6**

8. Turn ignition key to ACC position and turn radio "ON"
9. Look through module USB port to verify **LED** is flashing. **If NOT, radio is not able to supply enough current to drive module in which case you must cut module red wire and connect to an alternate Accessory (switched) power source in your vehicle** (cigar lighter, fuse box, ignition cluster etc.)



**Fig. 7**

10. Connect installation harness right angle 3.5mm plug (See **Fig. 7**) to short pigtail jack (See **Fig. 8**)



**Fig. 8**

11. Connect installation harness straight 3.5mm plug (See **Fig. 7**) to module "CD/AUX" input (See **Fig. 9**)



**Fig. 9**  
module CD/AUX jack

12. Connect push button control/microphone (See **Fig. 10**) to "MIC" input jack on module (See **Fig. 9**)



**Fig. 10**  
Control button/Microphone

13. Consider where to install control/mic button. Keep in mind the control button must be within reach and facing driver for voice commands and phone dialog (microphone/control cable is 6ft. long). **We recommend completing the rest of the install prior to securing the control/mic button to the dash.** Once you decide on a location simply remove tape backing from control /mic button



Make sure there is no ventilation duct pointed towards the mic.  
It is best to mount button facing driver

[See Optional Microphone/control button installation kit at the end of this guide.](#)

Bluetooth Module has a built-in USB Charging port (See **Fig. 13**) should you decide to use it; we suggest one of 2 installation options:

- A. **Flush to dash/panel which requires a 3/4" hole in the dash**
- B. **Flush with Support bracket** (use this option to mount USB terminal wherever your installation demands without drilling)

**A. Flush to Dash or Panel (requires drilling)**

1. Drill a 3/4" hole in the dash or panel using a step drill bit or equivalent (See **Fig. 11**)



**Fig. 11**  
Step drill bit

2. Insert USB male terminal (See **Fig. 12**) through the 3/4" hole created in step 1 and connect to Module (See **Fig. 13**)



**Fig. 12**  
Flush mount 3 ft. USB cable



**Fig. 13**  
Module USB port

3. Push USB head (See **Fig. 14**) until it snaps in place and flush with mounting surface (See **Fig. 15**)



**Fig. 14**  
Flush mount USB Terminal



**Fig. 15**  
Flush mounted to dash

4. Tuck and secure any extra wire from moving parts and test operation

## **B. USB with Bracket Mount (No drilling)**

1. Locate a flat surface at location of choice to mount USB support bracket (See **Fig. 16**) to surface using adhesive/tape or screws.



**Fig. 16**  
USB mounting bracket

2. Insert USB male terminal through hole in bracket (See **Fig. 17**) and connect to Module (See **Fig. 13**)



**Fig. 17**

3. Push USB head until it snaps in place and flush (See **Fig. 18**)



**Fig. 18**

4. Tuck and secure any extra wire away from moving parts and test operation (*See Bluetooth Pairing and Connection*)



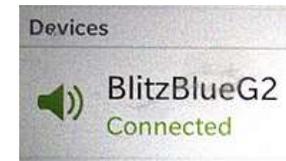
The radio cavity in most vehicles may lack extra room needed to fit aftermarket equipment and because of that you will have to be creative when fitting this part. Extra length cables are provided to allow for this flexibility

Secure module and proceed to section next section.

## Bluetooth Pairing and Connection

After initial pairing, the STS-HF will automatically reconnect with the paired phone upon entering the vehicle.

1. Turn ignition and radio "ON".
2. Red LED inside module will begin to flash
3. Access your smartphone Bluetooth menu settings, and search (scan) for devices.
4. Select G2 and click "Connect"



**Note:** Supports multiple phones but connects to only one phone at a time.



Caller ID and text display are **not possible in CD Changer mode**. Operating Bluetooth device is by pressing control button and your Voice Recognition application. Use the Becker radio volume button to control playback level.

## Bluetooth Operation

1. Set the radio to XM mode
2. Adjust radio volume

### Music Commands

To	Proceed this way
Pause a Song	Press and release button
Resume Play	Press and release button
Skip to next song	Press button twice
Skip to Previous Song	Press button 3 times
<b>Activate CD Changer Playback*</b>	<b>Press button 4 times</b>
Activate Voice Control	Press/hold button for 2 seconds
Switch out of CD Changer Mode	Press and release button

### Phone Commands

To	Proceed this way
Answer call	Press and release button
End call	Press and release button
Reject incoming call	Press button twice (call goes to VM)
Cancel outgoing call	Press button twice
Activate Voice Control	Press/hold button for 2 seconds

### Notes:

1. If playback is distorted, adjust volume on Bluetooth device.
2. **To reset Module press and Hold button for 5 seconds** (this will not un-pair phone or erase stored phones)
3. On incoming calls, ring tone will play on car speakers
4. Bluetooth range is approximately 30 ft. make sure device is within range of receiver

5. Voice command compatible with Apple (Siri), Android (Google Now), Blackberry (Assistant) etc.
6. \* Control button does not control XM or AUX functions. Use radio control buttons for music selection and XM controls.
7. Upon ending call, audio streaming resumes playback, however to resume XM or AUX playback, pressed control button 4 times.

### If successful go ahead and Reinstall the Radio

Congratulations, you've just updated your vehicle to support new technology while preserving the original radio and dash components. Enjoy!

### Optional remote microphone Kit

The default control button has a built-in microphone (See Fig. 19)



Fig. 19

which means mounting the button in certain areas may be great for controls, but may not so great for issuing voice commands or holding Bluetooth conversations. The optional [G2-HF](#) kit allows for a more conventional microphone install to visor etc. (See Fig. 20)

### Package contents:

- Microphone with visor clip on 10ft. cable x 1
- Control button (green) x 1
- Slitter harness x 1



Fig. 20



Fig. 21

## Installation:

1. Use clip to secure microphone to visor or location of choice and route cable behind the dash.
2. Connect microphone right angle 2-pin plug to "Mic input" jack on splitter harness (note lip on mic input jack in Fig 22)



Fig. 22

1. Connect push-to-talk green or blue phone button to splitter harness "control button" input jack in Fig.22)
2. Connect splitter male plug ("Mic" input) to module blue input jack as seen in Fig. 23



Fig. 23

**Warning:** If you experience clicking sound or no audio, please refer back to the installation steps above. The likely cause is the microphone and control buttons connections are reversed.

Please also note, it is possible to use original control button (blue phone symbol) with this kit

## Frequent asked questions

1. **Will the STS-HF work in vehicles with Navigation?**  
**YES;** works in both Navigation and non -navigation radios **with XM Tuner**
2. **My XM subscription has expired, will the STS-HF still work?**  
**YES;** as long as the XM Tuner (Module) is present the STS-HF will work.
3. **My XM subscription is active. Will it be lost upon connecting the STS-HF?**  
Select "ACTIVE" to retain XM playback, or expired if no plans to renew. **If XM is currently expired but plan to renew in future, select "Active" otherwise XM will not play upon renewal.**  
If XM has expired, an aux input jack is provided to which you may connect and play any audio device with a 3.5mm jack.
4. **How can I verify my 2005-II STS has required XM Tuner?**  
Turn Radio "ON", press "BAND" button repeatedly to cycle through AM/FM/CD/XM.  
**If only AM/FM/CD is displayed, your vehicle does NOT have XM Tuner and therefore incompatible.**
5. **Can I install this module without removing the radio?**  
**NO;** you must remove radio from dash to gain access to the connectors.
6. **Can I use steering wheel or radio buttons to control music playback?**  
**NO;** you must use included control button or audio device built-in control and display to access/controls
7. **Will I be able to place phone calls over Bluetooth?**  
**YES,** this module supports both Hands-free calls.

### Disclaimer

- This product has no affiliation with GM
- We're not liable for misuse of this product.
- We recommend professional installation

Email [support@discountcarstereo.com](mailto:support@discountcarstereo.com)

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