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



BTA-STS

QUICK START INSTALLALION GUIDE FOR 2005-11 CADILLAC STS with XM tuner module (U2K)

Created December 1, 2015 Revised: March 28, 2025

PRODUCT SAFETY & DISCLAIMER

READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING, FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY

- This document is provided as a GENERAL installation guide, some vehicles vary and may require additional steps. We do not accept responsibility for third party labor charges or modifications. Exercise due-diligence when installing this product.
- We do not accept any responsibility for vehicle damage or personal injury resulting from the installation of this product.
- Careless installation and operation can result in equipment damage.

Requirements

With an XM tuner module (Active or expired subscription)

Introduction

Many 2005-11 Cadillac STS owners with tons of music and application on smart device will be pleased to find this module. The new BTA-STS (**formerly A2D-STS**) Bluetooth music streaming module uses the radio's XM port to stream music applications from A2DP enabled devices (e.g., Smartphone, Tablet, Kindle etc.) Simply connect the BTA-STS to the back of the radio, pair audio device and stream all applications (e.g., music, GPS, audio books etc.) on the 6-CD changer or 6-DVD navigation radio. For the BTA-STS to work, **vehicle must have an XM module** (with or without subscription).

If subscribed, select "Subscribed", if expired, select "Not subscribed" If subscription has expired but <u>plan to renew at a later date;</u> select "Subscribed" otherwise XM will not play upon activation.

If you have NO plan to ever subscribe, select expired. (an AUX input jack is provided to which you may connect and play a portable audio device)

*Not subscribed means vehicle has XM module but subscription has expired.

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)



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



3. Pull radio forward, turn to reveal wiring (See Fig. 3, 3A)



Fig. 3 non-navigation radio



Fig. 3A Navigation radio

 Disconnect factory 16-pin plug (See Fig. 4) from radio socket (See Fig. 3/3A). To disconnect (Delphi plug); pull back on BLUE locking tab, press BLACK tab and pull plug to release from radio. (See Fig. 4)



Fig. 4 16-pin plug

Warning: The 16-pin connectors "keyed" to avoid connecting errors. The BTA-STS 16-pin plug is "Keyed" to fit only the XM socket on radio (See **Fig.3/3A**) Avoid pulling on wires. Grasp plug to disconnect.

5. Connect factory 16-pin plug (from step 4) to installation harness 16-pin connector (See **Fig. 5**)





6. Connect installation harness 16-pin plug (See **Fig. 6**) to radio socket vacated in step 4





7. Secure installation harness **BLACK (ground) wire** to ground or radio chassis as seen in **Fig. 7**



Fig. 7

 The installation harness is pre-wired so that module is powered by the radio 12V turn-on wire, however; if your vehicle has a BOSE amplifier, the radio turn-on current may not be sufficed to power both the factory amp and the module. If that is the case, the module will not power on or may work intermittently. Use the included accessory wire extension to power the module from an alternate switch 12V supply circuit in your vehicle. (cigar lighter, fuse box, ignition cluster etc.)

Simply twist/disconnect the orange/blue wire see through butt connector and connect the orange/blue wire see through butt connector to extension wire or as see in Fig. .8



The other see through butt connector does not connect to anything and should be isolated to avoid short circuits **Fig. 8 Alert:** Do not connect red accessory wire to battery (always on) supply.



9. Connect installation harness 16-pin plug (See **Fig. 9**) to module 16-pin socket (See **Fig. 10**)



If XM subscription is active, skip steps 10-11. If XM subscription has expired:

10. Drill a 15/64" or 1/4" hole in dash or panel, push jack shaft (See **Fig. 11**) through and secure with nut or leave freestanding—your choice!



Warning: Jack may be left freestanding, but if mounted; ensure panel is <u>less than</u> <u>4mm</u> thick otherwise the AUX shaft may not protrude enough to engage with nut. If necessary, use dremel, sander etc. to thin panel or choose alternate mounting location.

11. Secure module and proceed to next step

Optional USB extension cable installation

Notes: 1. Optional 6 ft. dash mount USB extension cable (**Fig. 13**) is not required for operation; however, it extends USB charging port (See **Fig. 14**) to dashboard, glovebox etc. or connect your own USB charging cable.

2. The USB port supports software updated and charging only

 Drill a ¾" hole to dash or panel using a step drill bit or equivalent (See Fig. 12) As an alternate, use the included bracket (See Fig. 17) to mount USB without drilling.



Fig. 14

3. Snap header (See Fig. 15) to surface until flush (See Fig. 16)





2. Fish USB cable terminal (See Fig. **13**) through hole created in step 1 and plug into the module USB port (See **Fig. 14**)







Fig. 16



Pairing

Pairing process varies among devices but basic steps are the same. This process is done upon initial install and will not have to be repeated.

- 1. Turn ignition and radio "DN" Module RED LED glows steady and BLUE LED flashes
- 2. From your Bluetooth enabled device, turn the Bluetooth ON and search for Bluetooth devices.
- 3. When a list of available Bluetooth devices appears on your Bluetooth device, select "DisCarSt" (See **Fig. 18**)
- 4. Confirmation "tone" is heard on car speakers and BLUE LED glows steady.
- The unit will automatically enter the BT Audio source and you can now start streaming audio from your Bluetooth enabled device. Note: If the mobile phone doesn't support SSP (Simple Secure Pairing) Profile, please enter the pass code of "DDDD"



Note: These steps are generally a one-time process as your Bluetooth device should connect automatically every time vehicle ignition is turned on.

Operation

- 1. Turn ignition and radio "ON"
- 2. Press "BAND" or "XM" softkey until XM1 or XM2 is displayed
- 3. Launch audio device streaming application.
- 4. Set audio device volume to 80%-- adjust as needed based on playback quality (reduce if distorted).
- 5. Use radio volume button to set playback level.
- 6. Use wireless remote buttons or device built-in controls to change tracks, adjust device volume, pause etc. (See Fig. **19**)
- 7. To listen to XM (if subscribed) or AUX device (if not subscribed), press **Pause/Play** on remote control.
- 8. To switch back to streaming, press **Pause/Play** button on remote control or pause streaming on smart device.



- 9. To increase/decrease volume, tap (don't hold) +/- buttons
- If correct operation is confirmed go ahead and reinstall radio.
 Note: If XM subscription has expired <u>but plan to renew at a future date</u>; select "Active subscription" otherwise XM playback will be impaired upon activation.

Frequently asked questions & troubleshooting

- Does the BTA-STS work in vehicles with Navigation? YES; Navigation and non -navigation radios are compatible so long vehicle has XM tuner module.
- 2. My XM subscription has expired, will the BTA-STS still work? YES; as long as the XM module is present the BTA-STS will work.
- 3. I'm subscribed to XM, but will it still work after installing the BTA-STS? YES; simply select "Active subscription" from order page.
- 4. How can I verify my 2005-11 STS has required XM tuner module? Turn radio "DN", press "BAND" or "XM" button repeatedly to cycle through AM/FM/CD/XM. If only AM/FM/CD is displayed, your vehicle does NOT have an XM tuner module and therefore incompatible.
- 5. Can I install the BTA-CTS without removing the radio? ND; radio removal required to gain access to the connectors.
- 6. Can I use steering wheel or radio buttons to control music playback? NO; use included wireless remote control or device built-in control and display to access/control music selection. Radio buttons (except for volume and tone controls do not apply)
- Will I be able to place phone calls over Bluetooth?
 ND, this module does not support hands-free calls. See our <u>BTH-STS</u> instead.
- 8. With engine running, there is a high pitch squeal increasing with speed. Can you propose a possible solution?

Alternator whine is a nuisance. Check that battery post and ground terminals are free or corrosion. Try relocating accessory wire to a different power supply source in your vehicle. If these check out, consider installing a <u>noise filter</u>. (See Fig. 20)



- 9. Will I be able to use wireless remote to control CD or radio functions? NO. Remote is only ontrols the select Bluetooth functions shown in Fig. 19
- 10. How do I insert or change battery in the remote-control? Remote battery holder by gasping the ends, then insert CR2025 battery (label side up) or as seen in Fig. 21



Fig. 21

Disclaimer

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

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