C5CD-HF

QUICK START BLUETOOTH INSTALLATION GUIDE FOR SELECT 1997-04 CORVETTE <mark>WITH 12-DISC CD CHANGER</mark>

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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 installation guide 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:
Factory radio with Functioning 12-disc CD Changer in trunk/hatch

Introduction

The C5CD-HF kit allows C5 owners **with functioning 12-disc changer** in trunk or hatch to add Bluetooth features to the factory audio system. This exclusive, intuitive and easy to use kit is essential to reducing driver distraction and compatible with virtually all Smartphones and sounds great for mobile conversations, streaming music, podcast and more. In addition to music playback, this kit includes a 1.8A USB charging port, push button (with built-in microphone) which can be conveniently mounted on dashboard to launch Voice recognition application (Siri, Google Now etc.) initiate phone calls, switch between sources and more. **Thanks to the C5CD-HF Kit users retain C5 original radio and CD changer while enjoying Bluetooth features only available on newer cars.**

Warning: A functioning 12-disc CD changer required for the C5CD-HF to function as described. If CD changer malfunctions in any way, this module will not work.
Under all playback circumstances, at least one disc must remain in changer magazine.

See **Frequently Asked question** at the end of this guide for more details.

Installation: (To radio)

Remove radio to gain access to connector. *Click link below for radio removal instructions,*
https://www.youtube.com/watch?v=WTbWYNJTSDs

1. Locate 20-pin plug on radio (See **Fig. 1**)
2. Press black release tab to disconnect plug from radio (See **Fig. 1**)

Fig. 1
20-pin radio connector

Warning: 32-pin connector (pictured above) is vehicle's climate control module and is not relevant for this install.

3. Connect 20-pin plug removed from radio in step 1, to harness 20-pin connector (white) (See **Fig. 2**)
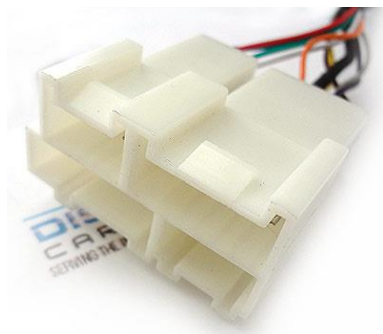
Fig. 2

Fig. 3
installation harness

4. Connect harness 20-pin plug (black/gray) (See **Fig. 3**) to radio 20-pin connector vacated in step 1 (See **Fig. 1**)
5. Proceed to "Playback option Explained" below to install kit based on playback option selected at checkout.

Playback options explained

During checkout users required to select among 3 playback options:
1. Retain CD changer playback
2. Auxiliary input (default)
3. Auxiliary input + changer playback

Retain CD changer playback:

With this option, the required 12-disc CD changer functionality is retained.
Installation:
1. Connect harness right angle plug (See **Fig. 3**) to module pigtail jack (See **Fig. 5**)
2. Connect harness straight plug (See **Fig. 3**) to module "CD" input jack (See **Fig. 4**). **Proceed to step 4 on page 4**

AUX input (Forfeit CD changer playback):

With this option, the required CD changer **does not play** but must remain connected. Instead, an AUX jack is provided to which users may connect and play wired devices such as Satellite radios, iPods, Mp3 players etc.

> **Warning:** The 12-disc changer (required), remains connected but will no longer play. (Keep this in mind)

Installation:
1. Connect harness right angle plug (See **Fig. 3**) to module pigtail jack (See **Fig. 5**).
2. Connect included 3.5mm male-male cable (See **Fig. 6**) to module "AUX" input jack (See **Fig. 4**)
3. Route audio cable to front of the dash or where audio device will reside (within 3 ft.) If mounting to dashboard, we recommend optional dash mount 3.5mm adapter seen **in Fig.3a**
Proceed to step 4 on page 4

Fig. 3a

AUX Jack+ changer playback:

For the best of both worlds, we recommend this option, whereby uses retain CD changer functionality plus an AUX input jack to which they can connect and play many portable audio devices.

Installation:

1. Connect harness right angle plug (See **Fig. 3**) to module pigtail jack (See **Fig. 5**).
2. Connect harness straight plug (See **Fig. 3**) to module "CD/AUX" input (See **Fig. 4**).
3. Route audio jack (See **Fig. 6a**) to glove box, dash area etc. (within 3 ft) and install by drilling a ¼" hole to dash or panel and secure using included nut or leave freestanding (**your choice**). Connect audio device (e.g., Mp3 player) to jack with included 3.5mm male-to-male audio cable (See **Fig. 6**) To listen to CD's; ensure audio jack (See Fig. 6a) is empty. **AUX jack (Fig. 6a) must remain empty during CD playback otherwise CD playback may be low/distorted.**

Fig. 5

Fig. 6
3.5male to male audio cable

Fig. 4
Module

Fig. 6a

4. **Note**: **This step not required for purchases past July 19, 2021. Skip to step 5.**

   Tap/Connect accessory wire (RED) to suitable ACC (Accessory) supply in vehicle.

   We suggest one of the following accessory supply options:

   - In 1997-03, locate yellow wire on 3-pin plug under passenger toe board near BCM (may be covered with black duct tape).

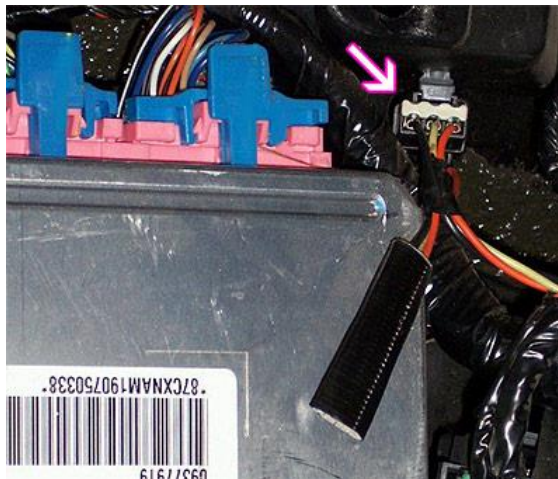   <u>Yellow wire is accessory supply.</u> (See **Fig. 7**)

Fig. 7

Note: 3-pin plug was omitted in 2004.

Alternates for 12V accessory supply includes: **Fuse #11** or **#22** of interior fuse box. (See **Fig. 8**). Please use voltmeter to ensure proper voltage.
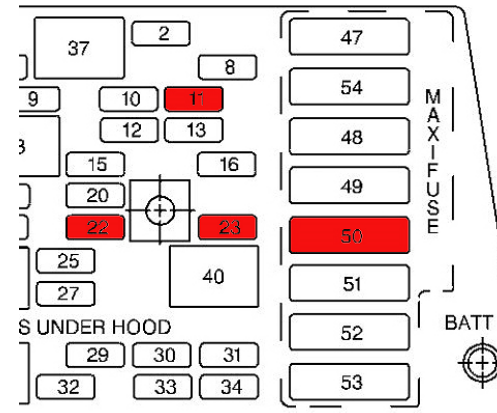

Fig. 8

C5 interior fuse box

5. Connect push button with built-in microphone (See **Fig. 9**) to module "MIC" input (See **Fig. 4**) and carefully route button to front of the dash. **Extra caution should be taken when routing so not to cut or pinch microphone/push button "flat "cable.**

Fig. 9

Control button/Microphone

6. Consider where to install control button/microphone. Keep in mind the <u>control button must be within drivers reach</u> and positioned so that voice commands and phone dialog can be carried out (cable is 6ft.)

   Please complete the rest of the install prior to securing button. Once you decide on a location simply remove tape backing from control /microphone button

Photo courtesy of customer's custom install

Exercise caution when routing microphone so to not damage cable and ensure no ventilation duct is pointed towards microphone.

USB charging port (not for thumb drives etc.)

Module built-in USB charging port supports 1.8A charging current which may or may not be enough to charge newer power-hungry device (e.g., iPhone 8, 11, 12 etc.). Should you decide to use it, we suggest one of 3 connecting options:

A. **Flush to dash/panel requires drilling a ¾" hole**
B. **Flush with mounting bracket** (place USB terminal wherever your installation demands without drilling)
C. **USB port-** (default)

A. Flush to Dash or Panel (drilling required)

1. Drill a ¾" hole in the dash or panel using a step drill bit or equivalent (See **Fig. 10**)

Fig. 10
Step drill bit

2. Insert supplied 3ft. USB male terminal (See **Fig. 11**) through hole created in step 1 and connect to module USB port (See **Fig. 12**)

Fig. 11
Flush mount 3 ft. USB cable

Fig. 12
Module USB port

3. Snap USB head (See **Fig. 13**) in place and flush with mounting surface (See **Fig. 14**)

Fig. 13
USB head

Fig. 14
Flush mounted to dash

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

B. Bracket Mount (No drilling)

1. Locate a flat surface at location of choice within 3.2 ft. of module and mount USB support bracket (See **Fig. 15**) to surface using adhesive/tape or screws (included).

Fig. 15
USB mounting bracket

2. Insert male terminal through hole in bracket (See **Fig. 16**) and connect to module USB port (See **Fig. 12**)

Fig. 16

3. Snap USB head (See **Fig. 16**) to bracket until flush (See **Fig. 17**)

Fig. 17

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

Optional 3.5-USB cable (not for thumb drives)

Purchase optional 3.5-USB cable to place USB charging port and 3.5mm ports in one convenient location on dashboard etc. This adapter serves same purpose of included USB kit, but has both USB and AUX in one convenient location and available in 3 and 6ft lengths.

Warning: Optional 3.5-USB cable NOT applicable to AUX **Jack + CD changer playback** option (See page 7) because aux jack must be empty for CD changer playback. When the 3.5-USB is installed with this option, user is required to disconnect 3.5mm plug from Aux jack (not very convenient)

Bluetooth pairing and connection

This process must be carried out upon initial install after which the module automatically reconnects with paired phone upon turning ignition key.

1. Turn vehicle ignition to "ACC" or "ON" position
2. Red LED inside module flashes rapidly
3. On Smartphone, enable Bluetooth and search (scan) for devices.
4. Select device listed below then tap "Connect"
5. Confirm module connection and exit menu.

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

Warning: Caller ID and text are **not shown on radio display**. Operate Bluetooth device by pressing push button, VR (voice recognition) or audio device built-in controls. Use radio volume button to control playback level.

Bluetooth operation

1. Press "CD AUX" or "TAPE AUX" button on radio to enter Bluetooth Mode. **(Ensure CD changer magazine has at least one disc)**
2. Use radio volume button to set playback level
3. Bluetooth operation possible from push button commands listed below

Music commands

To	Proceed this way
Pause 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
Listen to CD changer or AUX	**Press button 4 times**
Activate Voice Control	Press/hold button for 2 seconds
Switch out of CD change or AUX 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 (send call to Voice Mail)
Cancel outgoing call	Press button twice
Activate Voice Control	Press/hold button for 2 seconds

Notes:

1. **To reset module Press/Hold button for 5** seconds (saved devices are not erased)
2. On incoming calls, ring tone will play on car speakers
3. Bluetooth range is approximately 30 ft. make sure device is within range
4. Voice command compatible with Apple (Siri), Android (Google Assistance)
5. * Button does not control CD changer/Aux operation/functions.

If successful go ahead and reinstall radio

Feature comparison

Hands-free calling and music streaming; see **Table 1**. For music streaming only (A2DP) see **Table2**

Table 1

Modules	A2DIY-C5CD	C5CD-HF	A2DIY-C5	C5-HF
Retains changer playback	YES	YES*	NO	NO
Requires working CD changer	YES	YES	NO	NO
Audio input jack (Aux in)	YES*	YES*	YES	YES
USB charging port	YES*	YES	YES*	YES
Hands-free calling (**HPF**)	YES	YES	YES	YES
Music streaming (**A2DP**)	YES	YES	YES	YES
Connection (To radio)	YES	YES	YES	YES
Connection (to trunk or hatch)	NO	NO	NO	NO
VR support	YES	YES	YES	YES
Smart remote control	YES	**	YES	**
Controls from radio buttons	NO	NO	NO	NO

Table 2

Modules	A2D-C5	BLU-C5
Retains changer playback	YES	NO
Requires working CD changer	YES	NO
Audio input jack (Aux in)	NO	YES^2
USB charging port	YES*	YES*
Hands-free calling (**HPF**)	NO	NO
Music Streaming (**A2DP**)	YES	YES
Connection (To radio)	YES	YES
Connection (trunk or hatch)	YES	NO
Remote control	**	**
Controls from radio buttons	NO	NO

*Optional (Select from product order page)

**optional remote control

^{2} PX35 or PX35RCA cable required (sold separately)

Frequent asked questions

1. **What is the difference between the C5CD-HF and the C5-HF?**
   The only difference is 12-disc changer requirement.
   The C5CD-HF **requires a functioning CD changer** (will not work without it) whereas the **C5-HF** (no longer offered) does not require a **CD changer for operation**.

2. **Do you offer another module for C5 with CD changer?**
   YES. If vehicle has a working **12-disc changer in trunk/hatch, purchase our A2DIY-C5CD is also available.**

3. **Why is it necessary to run 12V Acc. wire?**
   The C5 radio harness DOES NOT have an accessory supply wire, therefore one must be obtained elsewhere. **As of July 19, 2021, this step is no longer required.**

4. **I have connected power to module, but for some reason red LED is not flashing. What would cause this?**
   Check supply voltage especially crimp integrity (if using add-a-fuse or butt connectors). Use voltmeter or test light to verify voltage is **reaching module**.

5. **Is it possible to control Smartphone functions from radio buttons?**
   NO; you **must continue to use Smartphone built-in controls or push button and/or voice commands to operate device.** Radio volume button is used to set playback level.

6. **How to I reset module?**
   Press and hold control button for more than 5 seconds and release.

7. **I selected option to retain CD changer playback but how do I listen to CD's?**
   Press **AUX** button on radio to enter Bluetooth mode (if not already), **press control button 4 times. Additional controls listed on page 7.**

8. **I selected both AUX input and CD changer playback option; but how do I listen to AUX device?**
   Press **AUX** button on radio to enter Bluetooth mode (if not already), **then press control button 4 times. Connect aux device to 3.5mm jack- aux device will play. To return to music streaming press and release control button. (Single press)**

9. **Is optional Smart remote control compatible with the C5CD-HF?**
   YES. The smart remote functions are compatible with Android and iOS devices and available **here**

10. **I selected both AUX input playback option; but how do I listen to CD changer?**
    Connect audio device to audio cable and place device in playback mode. Press **AUX** button on radio to enter Bluetooth Mode (if not already), **press control button 4 times. Ensure AUX jack is empty otherwise CD playback is impaired. To return to music streaming press and release control button. (single press)**

11. **Where is the best place to install control button/microphone?**
    It is recommended to have push button/microphone higher on the dash. Experiment with different location and decide which works best for you.

12. **Will radio mute when I receive or make a phone call?**
    Muting is only possible if radio is in Bluetooth mode (AUX Mode). If in AM/FM mode; no muting occurs. In addition, radio must be "Bluetooth Mode" for caller to be heard on car speakers.

13. **My second phone does not pair or able to find module?**
    In order to pair a second phone, ensure no other phone is paired, after which module will be ready for pairing.

14. **Can I connect flash driver to USB port?**
    NO; USB port is for charging only (1.8A)
    Warning: Many new current hungry devices will not charge. Consider purchasing optional "Fast" charger here

15. **How do I remove radio from dashboard?**
    Click link for video instructions:

https://www.youtube.com/watch?v=WTbWYNJTSDs

Disclaimer
- This product has no affiliation with GM or Apple
- When possible, professional installation is recommended

Email support@discountcarstereo.com