

# NAV-TV

INTERFACING THE FUTURE

3950 NW 120<sup>th</sup> Ave, Coral Springs, FL 33065 TEL 561-955-9770 FAX 561-955-9760

## FORD-CC1 / CC2

Integrates cargo camera into select Ford trucks with SYNC2 & SYNC3

*NTV-KIT931, KIT932*



BHM  
03/26/19  
NTV-DOC345

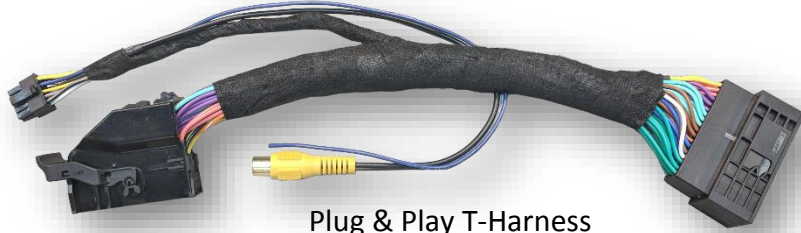
Overview

The FORD-CC1 (or CC2) kit integrates a cargo camera for truck-bed viewing into the factory screen in Ford trucks equipped with SYNC2 or SYNC3 (8”) screen. The kit includes an OEM-style cargo camera and requires a toggle switch for viewing. *NOTE: the cargo camera view can only be accessed while the truck is in reverse.* **NOTE: This kit will NOT program rear camera. This module is only intended for use on trucks with an existing rear camera.**

Kit Content



DIFF-Relay Board  
NTV-ASY267



Plug & Play T-Harness  
NTV-HAR347



CAM123 Included with KIT931



CAM124 Included with KIT932

DIFF-Relay Board pin out

PIN	Description	Color
1	Ground (-)	Black
2	--EMPTY--	--
3	CAM input (shield)	Black
4	DIFF VIDEO (-) SCREEN	White
5	DIFF VIDEO (-) RADIO	White
6	Constant 12v (+)	Yellow
7	Cargo Cam Switch (+)	Blue
8	CAM input (signal)	Yellow
9	DIFF VIDEO (+) SCREEN	Gray/Back
10	DIFF VIDEO (+) RADIO	Gray/Black



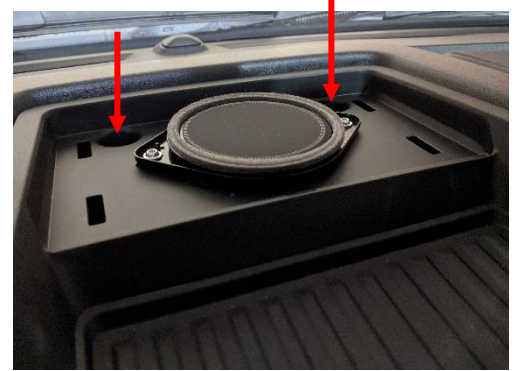
LED: emits green when cargo cam is being switched ON (activated)

Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger entertainment only.

*The following applies to trucks equipped with SYNC 3 radio –  
the SYNC 2 radio may require more dash disassembly.*

### SYNC Radio Removal (SYNC 3)

1. Remove the center channel speaker cover on the top (middle) of the dash if equipped (4 clips only) *NOTE: this panel is very tight.*



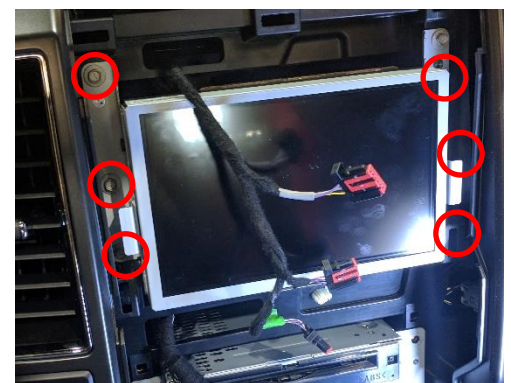
2. Remove (2) 7mm bolts securing the top panel (previously hidden by the speaker grill).



3. Remove the whole upper shelf panel, it should be held in by clips only, now. Disconnect the speaker lead. Set this panel assembly aside.



4. Remove (2) 7mm screws on top of the climate/screen dash panel, and then pull panel straight towards you. Disconnect all harnesses and set the panel aside.



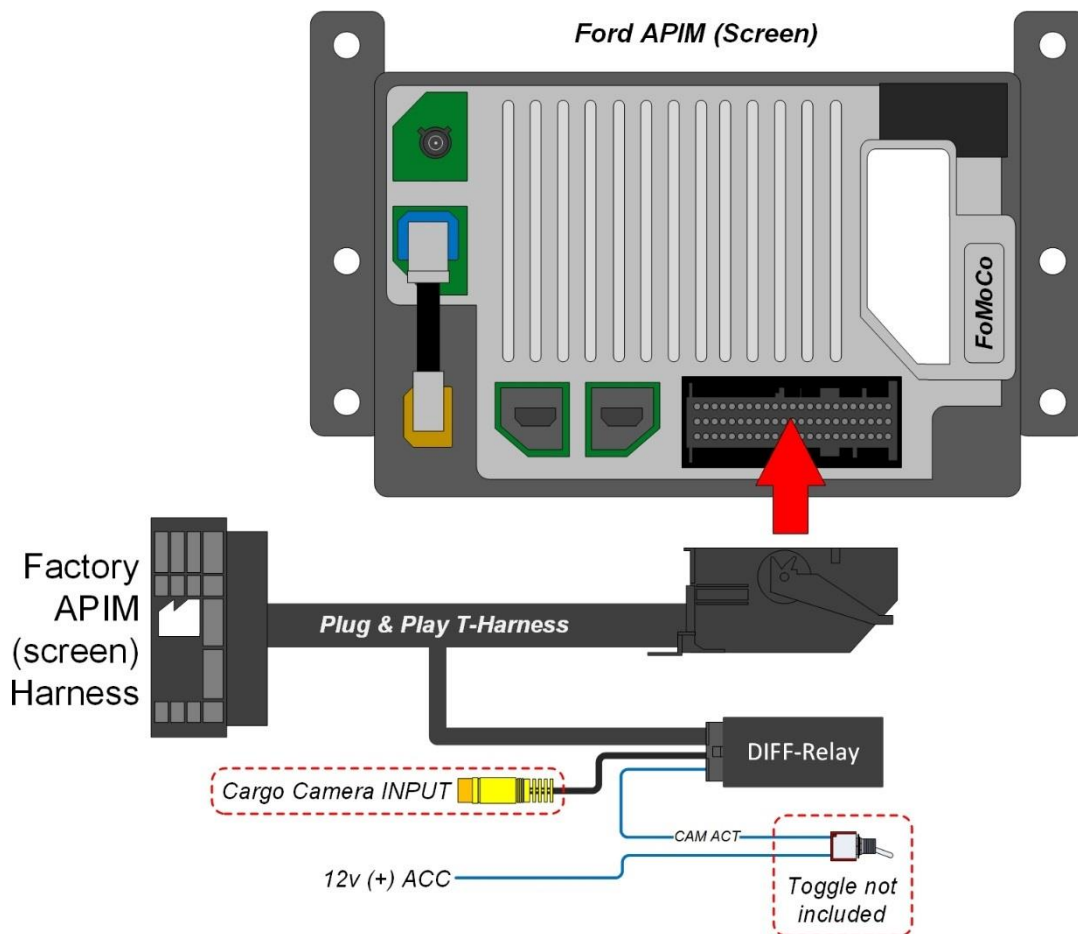
5. Remove (6) 7mm screws securing the screen (APIM) to the sub-dash. Disconnect all harnesses and set the APIM aside.

## FORD CCx Installation / Operation

1. Connect the provided T-Harness (with DIFF-Relay connected) between the OEM vehicle harness and the radio/screen assembly.
2. Install the Cargo Camera and run power/signal wires forward to the dashboard radio area.
3. Power the camera with a **12v (+) ACC source** and ground (-) to the vehicle chassis.
4. Mount a toggle switch (not included) where desired and connect one side to ACC 12v (+).
5. Connect other side of the switch to **PIN 7 (blue wire)** of the provided **DIFF-Relay board**.
6. Test operation by:
  - a. Starting the truck
  - b. Place the transmission into reverse, the OEM tailgate reverse image will display on screen.
  - c. Flip the new mounted switch, the image on screen should flip over to the new Cargo Cam's image. *NOTE: as long as the switch is toggled ON, the Cargo-Camera will show instead of the OEM reverse image.*



## FORD CCx Install Diagram Overview



Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger entertainment only.