

NAV-TV

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UCT8.4A-CAM

NTV-KIT476



Overview

The UCT8.4A-CAM (Uconnect Programmer) allows the user to add any aftermarket camera to the factory 8" Uconnect screen. This kit includes an OBD2 programmer and requires populating pins behind the factory screen.

Kit Contents



OBD-XG Plug and Play Connector
NTV-HAR205



UCT8.4A-CAM module
NTV-ASY166



USB Cable (updates)
NTV-CAB009

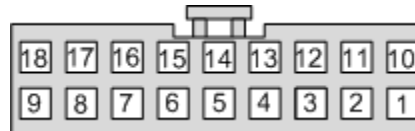


Video IN RCA
NTV-HAR238

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.

Module Pin Outs

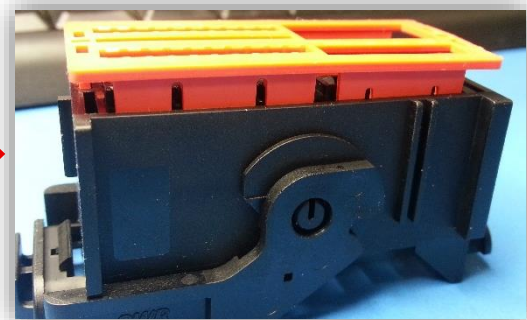
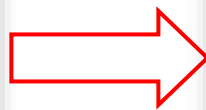
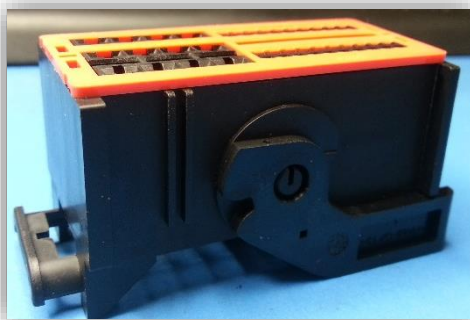
Pin #	Description	Color
1	Constant 12v (+)	Yellow
2	Deprogram wire	White/Blue
9	CAN HI	Brown/Black
10	Ground (-)	Black
18	CAN LO	Brown



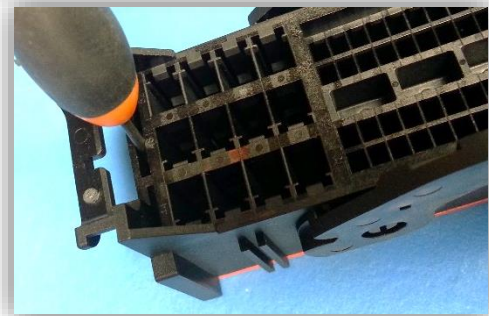
Wire side

Installation

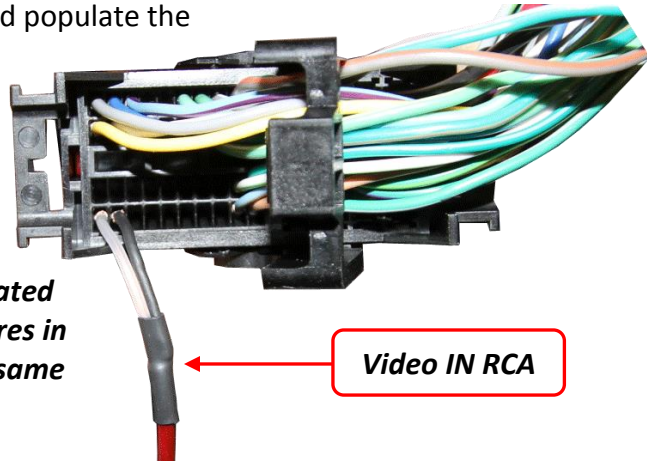
1. Remove the factory screen from the dashboard. This requires pulling the A/C controls first which will expose (2x) screws. Remove these and the radio trim will be free to pull out. Disconnect all harnesses associated. Remove (4x) screws that hold the factory screen into the sub-dash. Disconnect all harnesses and set the screen aside.
2. You must populate the rear-cam video pins located on the main 44-pin LCD harness. To do this, the red retaining portion of the connector must be opened to allow for new pins to be added.



3. Use a small flathead or straight-pick to release the retaining clips (on both ends) as shown:



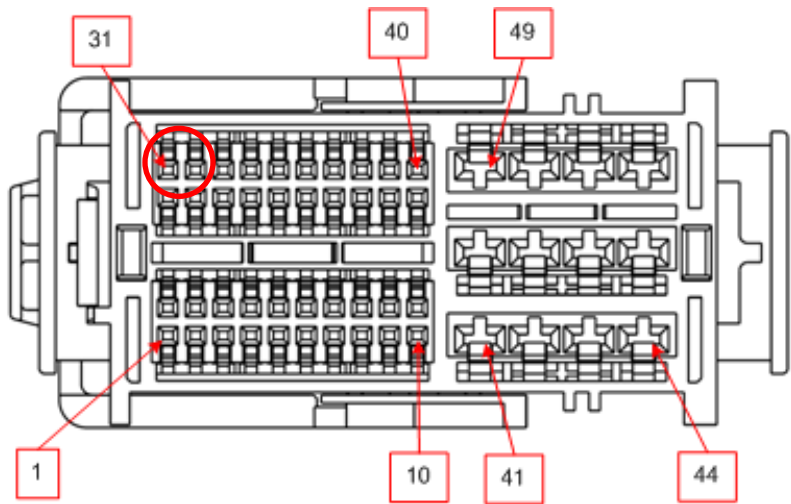
4. Gather the provided **Video IN RCA** and populate the pins at locations **31 & 32** like shown here:



Note: If pins 31 & 32 are already populated (double-check pin locations!), cut the wires in half and solder the Video IN RCA to the same location as above.

Video IN RCA wires	44-pin LCD Pin #
Video signal	31
Shield	32

Make certain pins are seated fully!



Main 44-pin LCD connector. This view is from the PIN side.

5. Push the red retaining portion of the 44-pin connector back together after the video pins have been populated.
6. After powering and running the reverse camera to the dash opening, connect the signal RCA from the camera to the provided **Video IN RCA** that was just populated in step 4. **No more connections are needed behind the radio.**
7. Replace the dash pieces loosely for testing.
8. Proceed to programming instructions on **page 4** to complete the installation.

UCT8.4A-CAM Programming

1. With the LCD screen replaced and all harnesses reconnected, cycle the key to the **Ignition** position.
2. Wait for the radio to fully boot and settle (30 seconds).
3. With the UCT8.4A-CAM module connected to the 18-pin plug, connect the OBD2 plug into the factory OBD2 port (above the drivers kick panel).
4. Observe the LED status of the module during the update. Refer to the chart below for reference.
5. Once the radio accepts programming, it will reboot automatically.
6. Unplug the OBD2/module assembly and store it in the glove box or other compartment.
The OBD2 and module MUST remain with the vehicle at all times. If for any reason this vehicle goes to the dealer for service, the radio may need to be reprogrammed.

LED Response	Description
NO LED	Programming...
1 flash	NO VIN (VIN isn't identified OR the module has a VIN stored already)
2 flashes	Vehicle is already provisioned (Programming has been completed already)
3 flashes	Programming rejected (CAN needs to go down for 2 mins)
4 flashes	Programming complete (The radio has accepted the program)

IMPORTANT NOTES:

- This module locks to the vehicle's VIN and can only be used to program a reverse camera on ONE vehicle at a time.
- After programming, the module should remain with the vehicle in the glove box or other compartment.
- If the vehicle goes to service, an error will be reported that the radio doesn't match factory programming, don't worry nothing is wrong. This is because the vehicle wasn't equipped with a factory camera. The service tech my update the radio and deprogram the radio. Follow the programming steps to reprogram the radio. For this reason, the customer needs to retain the programmer and harness. Otherwise another unit will need to be purchased to reprogram the radio.

UCT8.4A-CAM Un-Programming

1. From the UCT8.4A-CAM harness, connect PIN 2 **White/Blue** to the other **White/Blue** pigtail (spliced with 12v).
2. Repeat steps 1-6 under **UCT8.4-CAM Programming**.

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