

NAV-TV

INTERFACING THE FUTURE

100 NW 11th Street, Boca Raton, FL 33432 TEL 561-955-9770 FAX 561-955-9760


www.nav-tv.com info@nav-tv.com


UCT84

Allows video to be displayed while the vehicle is in motion and activates rear camera input on the new Chrysler Uconnect Touch 8.4" screen equipped vehicles.

What's in the Box	
<ul style="list-style-type: none"> • UCT84 module • USB cable • Plug-n-Play harness 	

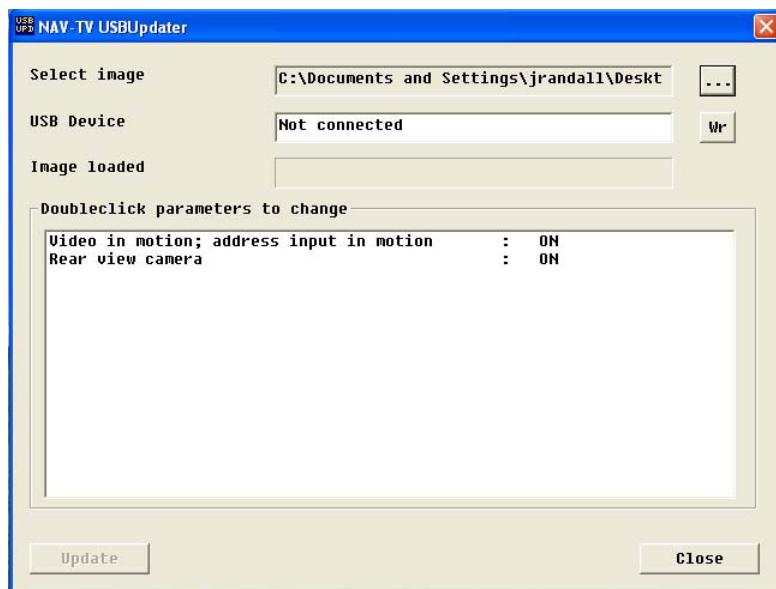
Operation

Video in Motion	
<p>Video in motion will allow:</p> <ul style="list-style-type: none"> • DVD video to be displayed while the vehicle is in motion • Navigation input while moving • Bluetooth operation <p>This feature is normally always enabled, and no user interaction is required. However, if the user wishes to selectively enable and disable this feature, a toggle switch to supply +12v to Input 1 can be installed.</p>	

Rear camera	OPTIONAL REAR VIEW CAMERA HARNESS <i>NOT INCLUDED</i>
<p>ATTENTION: THE REAR CAMERA INPUT REQUIRES AN OPTIONAL REAR VIEW CAMERA HARNESS THAT IS NOT INCLUDED. PART # NTV-HAR132</p> <p>Rear camera capability is enabled through USB module programming before installation.</p> <p>Forced backup camera is not currently supported, though it will likely be available in a future software update. Rear camera will automatically work in reverse.</p>	

Programming

The module is shipped with Video in Motion (VIM) enabled and rear camera disabled. Any changes to the module's configuration should be done before installation. The files needed to change the configuration can be found at <http://www.navtv.com/page/19/downloads.html>. Be sure to follow installation instructions of the software prior to connecting the module to your computer. When programming the module while it is connected to the vehicle, removing the radio fuse before the process and reinstalling it afterwards is strongly recommended.



Video in motion; address input in motion:

In the "ON" state, video from the DVD player, along with navigation input in motion and Bluetooth control will be available while the vehicle is in motion.

If this feature is disabled, all the above features will still work when the vehicle is parked.

Rear view camera: In the "ON" state, the rear camera port is available and active. When the vehicle is placed into Reverse, the screen will display the rear camera image. (Requires optional camera harness, sold separately.)

Installation

Tools needed:

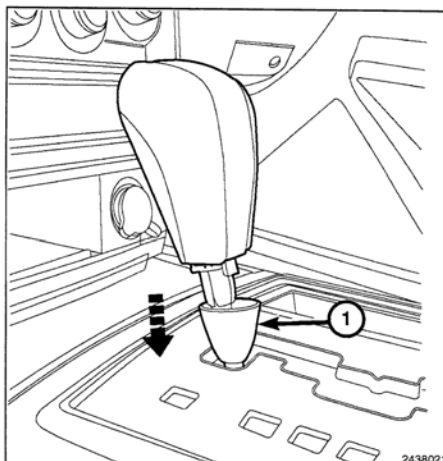
- Plastic pry tool
- 7mm nut driver or Philips screw driver

Installation

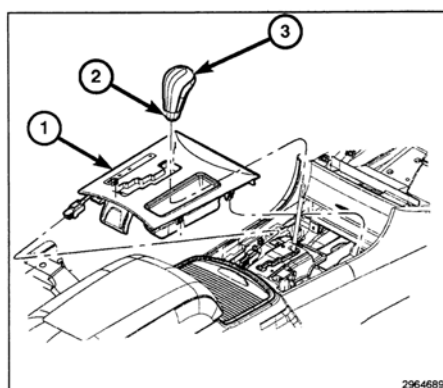
1. Using a plastic pry tool, gently pry around the center shift plate. Remove and set aside.
2. There are (2) screws holding the center pocket in place. Remove these screws and then remove the pocket.
3. Use the plastic pry tool to gently pry around the radio/HVAC bezel to remove it. (It may be easier to just reach from beneath the bezel and pull it forward.)
4. Disconnect the wiring and set aside to expose the (4) screws holding the radio in place.
5. Remove the screws and radio chassis. Disconnect all radio connections and set aside.
6. Plug the supplied Plug-n-Play harness into the back of the radio.
 - o If adding rear camera, plug the optional camera harness into the back of the radio.
7. Plug the factory harness into the other end of the supplied Plug-n-Play harness, then connect to UCT84.
8. Plug the supplied USB cable into the UCT84. Route the other end of the cable to a remote location that is easily accessible. This is used for future updates or reprogramming of the module without having to remove the unit.
9. Reconnect the radio chassis, remount and test.

SEE PICTURES BELOW FOR DISASSEMBLY

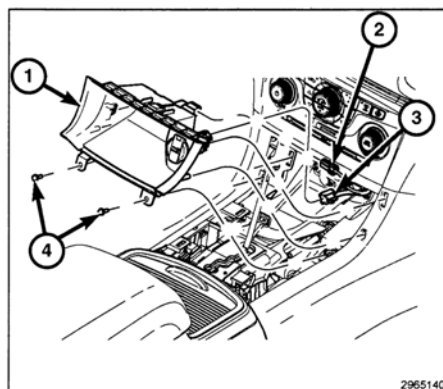
1. Apply the parking brake.
2. Place the ignition switch to the On position, apply the service brakes and place the gear selector lever into the Neutral position.
3. Place the ignition switch to the Off position.
4. Using a small flat bladed tool or equivalent, separate the retaining ring (1) and slide down the shifter shaft.



5. Using a thin wire type tool, locate and press the release while pulling up on the shifter knob (3).
6. Remove the shifter knob (3) and retaining ring (2).
7. Using a trim stick C-4755 or equivalent, gently pry between the shifter bezel (1) and the floor console to release the snap retainers that secure the bezel. **Do not pull with excessive force or fully remove at this time.**
8. Disconnect the shifter bezel wiring harness and remove the shifter bezel (1).

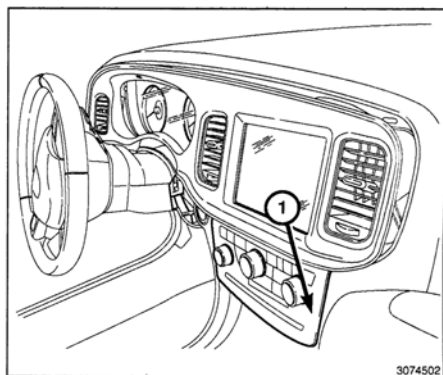


9. Remove the two screws (4) securing the storage bin (1) to the console.
10. Using a trim stick C-4755 or equivalent, gently pry between the storage bin (1) and the floor console side close out panel to release the two snap retainers that secure the storage bin (1) to the front console and close out panel.
11. Disconnect the 12V ignition power outlet wiring harness (3) from the rear of the storage bin (1).
12. Disconnect the LED/Lamp wiring harness (2) from the storage bin (1) and remove the storage bin from the I/P.



NOTE: Only disconnect the switch-bank assembly wiring harness connector by following the specific steps following this step.

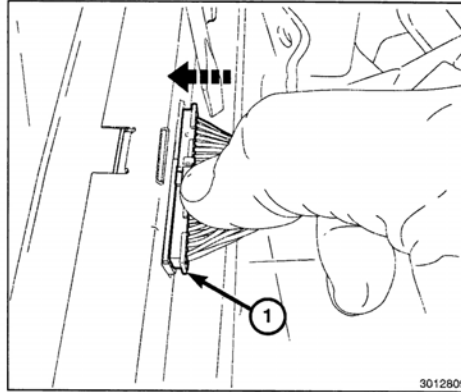
13. Using a trim stick C-4755 or equivalent, gently pry between the switch-bank assembly (1) and the instrument panel to release the snap retainers that secure the switch-bank assembly (1) to the instrument panel and pull away from instrument panel for access to remove the connector using the following steps:



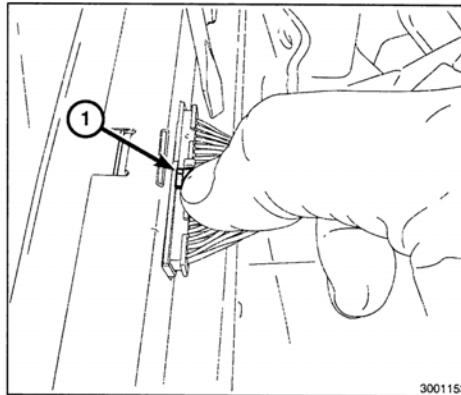
CAUTION: Never pull the connector out by the wires. Failure to follow these instructions will damage or break the wires and/or connector.

CAUTION: Push the 40 way connector in before pushing on the locking clip. Failure to follow these instructions will damage or break the connector locking clip.

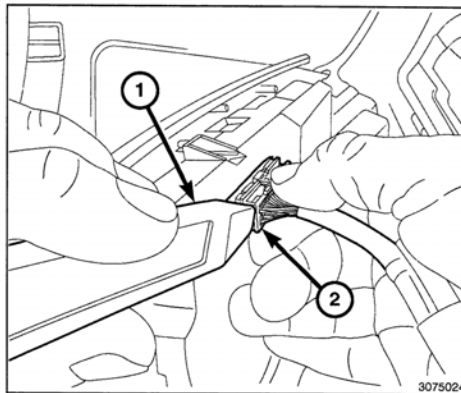
14. Push in on the 40 way connector (1) of the switch-bank assembly.



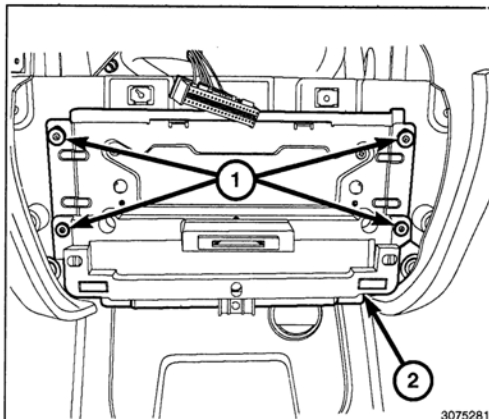
15. Gently push down on the connector release lock (1).



16. Using a pocket screw driver or a trim stick C-4755 or equivalent (1), gently pry on one side of the connector (2) to remove.

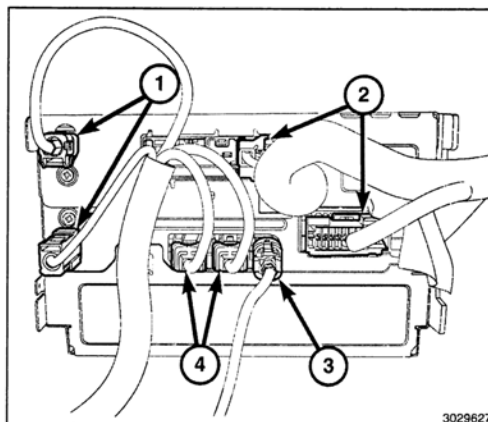


- Remove the retainers (1) from the Telematics Gateway Module (TGM) (2) and pull out far enough to access the connectors on the back of the TGM.



CAUTION: Pulling the antenna cable straight out of the radio without pulling on the locking antenna connector could damage the cable or radio.

- Disconnect the antenna(s) (1), RF HUB and UCI cables (4), video cable (3) and wiring connectors (2) from the TGM.
- Remove the TGM from the vehicle.



XG pin out	
<ol style="list-style-type: none"> +12v Battery Input 1 – VIM disable (apply +12v to turn off VIM) Empty Empty Empty Empty Empty CAN HI – Radio CAN HI – Car Ground Output 1 – Accessory +12v Out (0.5A Max) Output 2 – Rear camera +12v Out (0.5A Max) Output 3 Empty Empty Empty CAN LO – Radio CAN LO – Car 	<p>A diagram of a 18-pin connector. The pins are arranged in two rows of nine. The top row is numbered 18 to 10 from left to right. The bottom row is numbered 9 to 1 from left to right. A small rectangular component is mounted on top of the connector housing.</p>