

NAV-TV

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VTC-RR

Video in Motion for 2005-11 Range Rover

NTV-KIT286



Kit Contents

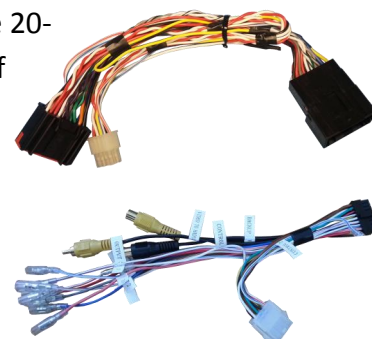


Overview

The VTC-RR is a Plug and Play solution enabling DVD video playback in motion for select 2005-2011 Range Rover vehicles. No user input is necessary and all connections are made behind the factory radio (LR3 & Sport) or tuner module (07-09 HSE).

Installation

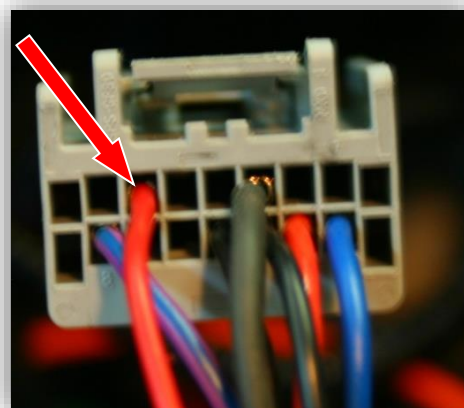
1. Remove the factory radio (or if 07-09 HSE, the tuner module located behind the glove box). This usually requires pulling panels and removing screws. Disconnect all harnesses and set the radio/tuner aside.
2. Gather the Plug & Play T-Harness from the VTC-RR kit. Plug the 20-pin factory Radio power/data connector into the female end of the provided **Plug & Play T-Harness**.
3. Plug the male end of the **Plug & Play T-Harness** into the factory radio/tuner.
4. Plug the provided **CAN Adapter Harness** into white, 8-pin Molex connector located on the T-Harness from step 3.
5. Plug the VTC-RR module into the 18-pin connector located on the provided **CAN Adapter Harness**. Secure the module behind the dash with a zip tie or similar method to eliminate vibration.
6. Reconnect all harnesses to the radio, reinstall and test. Refer to 'Operation' for usage.



VSS Separation

On some 2010 Range Rovers, navigation control while in motion (CIM) will not function without temporarily breaking the VSS wire. If you have a vehicle that exhibit's this scenario, follow these steps to add CIM:

1. Find the 14 pin connector behind the screen that looks like the one in the image to the right and locate **Pin 2 (red wire)**.
2. Cut this red wire in half.
3. From the provided **CAN Adapter Harness**, locate the unused RCA's labeled '**BACKUP CAM**' & '**VIDEO TO RADIO**'. Cut the RCA ends off of these RCA's.
4. Strip back some shield on each of the cut RCA ends, and connect one **center signal lead** to each side (2 total) of the cut red wire from step 2. Orientation/direction does not matter.
5. To activate CIM in this case, press the **Rear Defrost Button** twice within 1 second. When reactivating CIM after inputting destination, please allow a few moments for the satellite to re-sync with the vehicle. **Note: when CIM is active on this car and in this case, tracking will NOT work properly. You must reactivate it gain tracking back.**



VFC-RR (Send in Modification)

This modification is only for pre '09 vehicles that **do not** play DVD in Park. If vehicle plays DVD's, the **GREEN** port will be populated with a cable.

1. After receiving back unit for modification, reinstall into factory location.
2. Run a video RCA from the **YELLOW** RCA port added to the RSE forward to front screen.
3. Take the supplied FAKRA connector, and plug it into the **GREEN** port on the back of the screen/radio.



The DVD cable ran from the RSE module gets plugged into the female RCA side of the FAKRA.

Operation

Video in Motion (VIM) for this kit is active all the time once installed, no user input is needed.

Control in Motion (CIM) operation: This feature works all the time (with VIM) in **most vehicles**.

If not, refer to 'VSS separation' on page 3 for further install instruction. Press the **Rear Defrost Button** twice within 1 second to activate/deactivate CIM.



Module Programming

If the vehicle has a factory camera: you will need to reprogram the module with VTC-RR software and set the '**Rear view camera**' flag to '**ON**'. You can find the software file to re-flash this on NAV-TV's downloads page. Look for the file labeled '**VTC-RR (Gen2 - Black box) update 4/18/2012**'

