

NAV-TV

INTERFACING THE FUTURE
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Volvo Cam


Adds a rear camera to vehicle to be displayed on main screen.
Enables video & navigation input in motion.

Installation of this product is very involved. Professional installation is highly recommended. If detailed, vehicle-specific instructions for vehicle disassembly are needed, they are available online at:

www.navtv.com/manuals/Volvo/S60-Disassembly.pdf

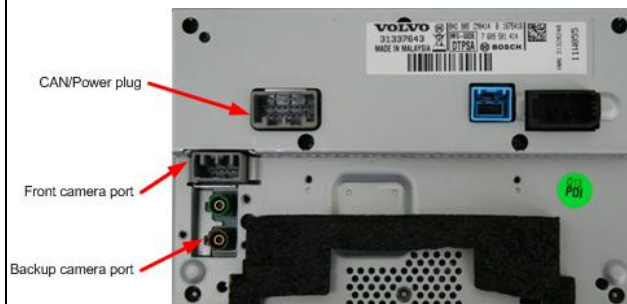
- or -

www.navtv.com/manuals/Volvo/XC60-Disassembly.pdf.

What's in the box	Components
<ol style="list-style-type: none">1. Plug-n-Play harness2. Volvo Cam module3. FAKRA camera connector4. USB cable5. Factory-fit super-low light camera	 <ol style="list-style-type: none">1.2.3.4.5.

Installation

1. Remove the (4) T-25 torx screws from the screen, then unplug all the plugs from behind the Multimedia screen.
2. Plug the factory power/CAN harness into the female side of the supplied T-harness.
3. Plug the other end of the supplied T-harness into the screen.
4. Plug the module into the T-Harness.
5. When an aftermarket rear camera is being installed, plug the FAKRA to RCA into the BROWN port behind the screen, and the camera output into the RCA end.
 - The power for the rear camera gets connected to the OUTPUT 2 (White/Blue) wire. If the camera is powered by the reverse lamps, then viewing the camera in motion will not be available.
6. It is suggested that the Plug-n-Play harness is ran down the side of the center console for easy access to the module for future updates.
7. Plug in the USB cable into the module and locate the other end in an accessible, but unobtrusive, location for future updates or changes that need to be made after installation.
8. Test operation and reassemble in reverse order.



Operation

Video in Motion

VIM and navigation* entry in motion is enabled when the unit is shipped. No user activation is required. This will allow the user to watch DVD movies or control the navigation when the vehicle is in motion.

Full functionality of the Bluetooth is also available while driving.

If the vehicle is equipped with a rear/front camera, whether factory or aftermarket, viewing the camera at any time is available.

To disable VIM, the module will need to be reprogrammed using the NAV-TV programmer with the correct file found online.

*This feature is only available if the vehicle is equipped with the appropriate option.

Rear Camera

When adding the rear camera option, the blank button on the top right of the radio controls will become active. (The factory "CAM" button is available through the Volvo parts department; part# 3078 2886)

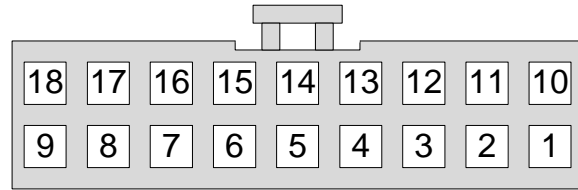
By pressing this button, the rear/front camera will become available while driving. If both front and rear camera are installed and activated, camera selection is done through multiple options.

1. Using the numeric touch pad:
 - a. 2 – Front Camera
 - b. 8 – Rear Camera
 - c. 0 – Rear Camera Zoom (not supported for aftermarket cameras)
2. By continuously pressing the "CAM" button, the camera views will cycle in sequence.
3. Using the TUNE knob to cycle to the camera view desired and then pressing "OK" on the knob.

* Viewing of cameras while in motion is only available if VIM is "ON". Otherwise, once the vehicle reaches 10 mph, a disclaimer will show stating that viewing of the camera isn't available.

Harness Pinouts

1	+12v power
2	
3	
4	
5	
6	
7	
8	Radio CAN HI
9	Vehicle CAN HI
10	Ground
11	Output 1
12	Output 2
13	Output 3
14	
15	
16	
17	Radio CAN LO
18	Vehicle CAN LO



Output 1 – Accessory +12v output @0.5A
Output 2 – Reverse signal output @0.5A