


OPV-970 A/V Input and VIM

Audio/Video input and VIM for 2010 and up Porsche Panamera and 2011 Porsche Cayenne vehicles equipped with the PCM3.1 radio.

What's in the box	Package Contents
<ol style="list-style-type: none"> 1. A/V interface module 2. Optical cable with connector (1) 3. Optical cable (2) 4. A/V Harness 5. Optical Coupler 6. RCA Male-Male adapter 7. T-harness 8. VTC-970 Filter 9. USB cable (have the "A" connector side of the cable accessible to the passenger side of the vehicle cabin, but hidden from view) 	

Panamera Radio Removal

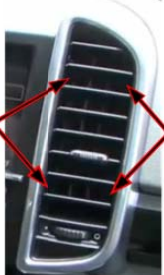


1. Using a soft plastic pry tool, gently pry off the trim panel above the glove box. Start at the bottom of the panel and work around and remove.
2. On the driver's side, to the right of the steering column and to the left of the HVAC vent, gently pry off the trim panel.
3. Once both panels have been removed, find and identify 2 retention clips on each side toward the back of each vent. Using a flat blade screwdriver or plastic tool, simultaneously depress the clips while pulling out the vents.
4. With both vents removed, remove 2 T27 TORX screws on each side of the radio, then pull the radio straight out.

Cayenne Radio Removal

To remove the vents you will need a pair of Ford radio removal keys.

1. Inside the vent you will see 4 plastic clasps holding the vents in place. There will be 2 on either side of the vent.
2. Insert the ford keys into the vent with one side on the left and right (horizontally). The clasps have an open back, so when the key is inserted be sure that it goes through the clasp.
3. Once both keys are in place, squeeze the keys together to release the clasps. You may need to insert a plastic tool under the vent to help "work" out the vent.



Installation	
<ol style="list-style-type: none"> 1. Disconnect the factory 40 pin plug from behind the radio and plug it into the supplied aftermarket 40 pin adapter harness. 2. Unplug the fiber optic cable from the factory 40 pin plug. * Assemble the supplied fiber optic cable into the M.O.S.T. loop in the order pictured below then reinsert the optic cable into the supplied 40 pin plug in the same location as you removed it from on the factory connector (radio side). Plug in the new fiber terminal into the supplied OPV-970 board. 3. On the OPV-970 power harness, find a reliable continuous power and ground connection. Connection at the T-harness is recommended (All connections should be soldered and insulated). Red is power and Black is ground. 4. The supplied T-harness will have a pair of RCA's plugged into each other. Disconnect these two RCA's 5. Connect the "VIDEO OUT" cable of the OPV to the RCA going towards the radio (female). 6. Connect the "CAM IN" cable of the OPV to the RCA going towards the car (male). # 7. Connect the external AV source to the OPV-970. 8. Plug the VTC-970 into the 8 pin Molex connector of the T-harness. 9. Insert the radio side of the supplied T-harness into the radio. 10. Test then reassemble. <p>*Follow the instructions to the right for proper assembly of the fiber optic lines. # If installing the PCM3.1 CAM, the aftermarket camera plugs into the "CAM IN" cable of the OPV.</p>	

12 Pin Molex wiring guide	12 Pin Molex connector image
<p>Pin (1) Video out (high) Pin (2) Video in (high) Pin (4) Left audio (high) Pin (3) Camera in (high) Pin (5) Right audio (high) Pin (6) Ground (Black wire) Pin (7) Video out (low) Pin (8) Video/CAM in (low) Pin 10 Left/Right audio (low) Pin (12) Constant +12volts In</p>	<p style="text-align: center;">12 Pin Molex Connector</p> <p style="text-align: center;">Wire Side View</p>

Operation	
<p>Video in motion is automatic and doesn't need any programming or activation. Whenever an external video source is present, the radio will always show an image.</p> <p>To operate A/V input:</p> <ol style="list-style-type: none"> 1. Press the source button. 2. Press the TV icon. 3. Once in the TV screen, tap above the preset icons in any blank area to display the image. 	