

Tooki Porsche

Bluetooth phone integration for Porsche PCM

Certain features are intended for passenger and off-road use only. User must obey all State and Federal regulations

Installation Instructions

What's in the box	Fig. 1 - Package Contents
<p>1. Tooki module.</p> <p>2. Plug'n'Play power harness.</p> <p>3. MOST fiber optic cable with connector.</p> <p>4. Microphone.</p> <p>5. Fiber optic coupler.</p> <p>NOTE: Due to differences in manufacturing, some items may not appear exactly as pictured.</p>	

Please inspect the contents of your package to make sure all parts are included, there are no loose wires in the harness (2) and the fiber optic cable (3) isn't kinked, bent or otherwise deformed.

NOTES:

- 1) To ensure the most reliable operation, Nav-TV recommends professional installation of our products.
- 2) Fiber optic cable (3) is much more fragile and sensitive than normal wire therefore:
 - a) Make sure your hands are clean when working with the fiber.
 - b) Do not bend or coil the fiber excessively.
 - c) Do not scrape or attempt to strip the orange insulation of the fiber.
 - d) Do not use zip ties or wire ties on fiber cable; if you need to keep the excess fiber (loosely) coiled, use tape only.

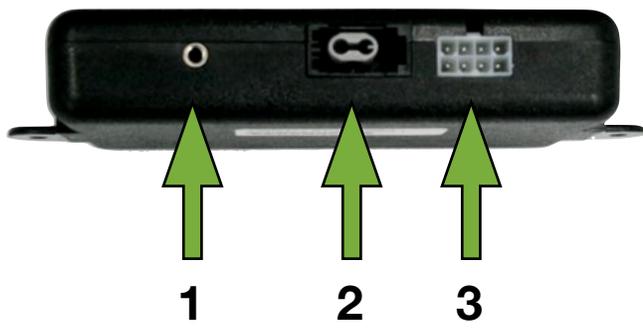
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- 3) The fiber optic coupler (5) is not required for the installation. DO NOT discard it. If the Tooki unit needs to be removed from the vehicle, then the fiber optic bypass must be installed in the place of the Tooki to maintain the continuity of the MOST fiber optic ring.

Close up of Tooki	Fig. 2 - Connections
<ol style="list-style-type: none">1. Microphone jack.2. MOST fiber optic connector, with cover.3. Power connector.	 <p>The image shows the back of a black rectangular Tooki module. Three green arrows point to specific ports: arrow 1 points to a small circular microphone jack on the left; arrow 2 points to a square MOST fiber optic connector in the center with a white cover; arrow 3 points to a multi-pin power connector on the right.</p>

The Nav-TV Tooki module is a very sophisticated piece of equipment. Though the installation is fairly straightforward, please read the entire manual prior to starting.

BEFORE YOU START: Verify if the vehicle is equipped with the factory phone module. Press the TEL button on the PCM; if an “Insert SIM card” or “No card” message appears, then the factory phone module is installed. If that is the case, (a) the factory phone module must be disconnected and (b) the location of the phone module (under the passenger seat) is an ideal location to install the Tooki, as it has both the fiber optic connection and a power connection.

NOTE: Even if the Tooki will not be mounted in the factory phone location, the factory phone module still needs to be disconnected and the coupler/bypass (5) will need to be used.. Therefore, NAV-TV recommends that location for mounting the Tooki.

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(Replace factory phone module)

To install the Tooki in the location of the original phone module:

- 1) Remove plastic covers from front and rear ends of seat sliding rails.
- 2) Remove 4 inverted torx bolts (E12) that hold down the seat at each corner.
- 3) Remove the SRS and seat harness plug from the front bottom of the passenger seat.

IMPORTANT NOTE: Once the Harnesses have been unplugged from the seat, **DO NOT** close, open, lock or unlock the doors, turn on the ignition, or turn on the radio! Doing so may trigger negative diagnostics, such as the airbag light.

- 4) Remove the passenger seat.
- 5) Remove 2 10mm bolts holding metal plate located just under the front right and left sides of the carpet.
- 6) Starting from the front (where the bolts were removed), lift the metal plate.
- 7) Remove 2 10mm bolts that attach the factory phone module to the underside of the metal plate.
- 8) Remove 32-pin molex, MOST fiber optic and antenna connector from factory phone module.
- 9) The antenna connector is not necessary for this install (Cell phones have their own antennas.) Cut off Red & Black wires and connector from Plug'n'Play power harness. Splice Red wire to (any) Red/Green wire (constant 12v) on factory harness and Black to (any) Brown wire (ground) on factory harness. Plug 8-pin molex (power) into Tooki. Remove gray fiber optic cover and plug MOST fiber optic connector into Tooki. Plug microphone into Tooki.
- 10) Using velcro or double-sided tape, mount Tooki to floor. Run the microphone wire under the carpet, along the side of the console and up to a suitable mounting location, such as: On top of the steering column, in the driver's side A pillar or up by the rear view mirror.
- 11) Carefully reassemble in reverse order, making sure not to activate any of the car's systems prior to reconnecting the harnesses from step 3.

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(Rear of PCM – 997 and Cayman)

To install the Tooki behind the PCM radio:

- 1) Remove torx T27 bolts that hold carpeted trim from sides of center console, and remove trim.
- 2) Remove 2 torx T20 bolts that hold leather trim from sides of radio and remove trim by pulling trim straight back (away from dash.)
- 3) Turn 4 plastic locks (2 on each side) counterclockwise with a 5mm allen wrench. These locks should move easily about 1/4 of a turn. They are located near the yellow clips and may not all be easily visible. You may need to open the glove box or feel around the side of the radio.
- 4) Remove 6mm silver bolt on passenger side of radio, between the 2 locks from step 3.
- 5) Gently slide the radio out, being careful not to damage the connectors behind the radio.
- 6) Remove all connectors from behind the radio. Each connector is keyed differently, so don't worry about their individual positions.
- 7) Set the radio aside, making sure nothing is touching the screen, or lay it screen-down on a soft surface.
- 8) Connect to the fiber optic cable; start with the supplied connector (3):
 - a) Looking from the back of the fiber optic connector (where the orange fiber goes into the connector) with the latch that locks it into the radio on the right; on the left side is a small tab that you need to push outward to release the inner connector from its outer shell. Pull the inner connector out and notice that it's keyed to go back in the proper orientation. Notice also, the arrows on the end of it that designate the light flow.
 - b) Looking at the inner connector, you will notice a blue locking device in the middle of it. This device resembles a "T" going through the connector. Using a pick or a small screwdriver, push the thin side of the blue lock to remove it from the connector. Notice that it, too, is keyed to return in the proper orientation.
 - c) Repeat steps *a* and *b* on the factory connector behind the radio.
 - d) Notice that the fiber optic cable is held in place on the inner connector by a black tab. On the factory plug, pry the black tab slightly outward from the connector to release the fiber optic cable located at the arrow pointing out (toward the fiber optic cable). and carefully remove the fiber optic cable.

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- e) Insert the fiber optic cable that was removed in step *d* into the empty socket on the supplied connector (3). Remove the cap from the end of the fiber optic cable on the supplied connector (3), and insert the end of the fiber optic cable into the opening on the factory connector where the fiber optic cable was removed.
- f) Reassemble the 2 fiber optic connectors by reversing steps *b* and *a*.
- 9) Plug the female end of the supplied Plug'n'Play power harness into the matching male plug that was disconnected from the radio.
- 10) Choose a suitable location for the microphone; we suggest: On top of the steering column, in the driver's side A pillar or up by the rear view mirror. Run microphone wire behind the dash, being mindful of locations where the wire might catch, especially when running it near the pedals, then through the opening created by the removal of the carpeted trim piece from step 1 and up to the location behind the radio where the remaining harnesses are.
Note1: The microphone is directional and should be facing toward the driver's head.
Note2: When mounting the microphone in a convertible, you should be mindful of wind noise with the top down, and select a location that is not subject to excessive noise.
- 11) Plug fiber optic cable, male 8-pin molex cable and microphone cable into Tooki. Plug all cables removed in step 6 into the back of the radio. Turn on the car and radio and verify the proper operation of the Tooki before re-mounting the remaining hardware.
- 12) Mount the Tooki in the space behind the radio with velcro or double-sided tape. Reassemble the dash by reversing steps 5 through 1.

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(Rear of PCM – Cayenne)

- 1) Remove black trim bezel around radio and heater controls with a soft (plastic) pry tool.
- 2) Remove 2 torx T20 bolts on each side of the front of the radio.
- 3) Gently slide the radio out, being careful not to damage the connectors behind the radio.
- 4) Remove all connectors from behind the radio. Each connector is keyed differently, so don't worry about their individual positions.
- 5) Set the radio aside, making sure nothing is touching the screen, or lay it screen-down on a soft surface.
- 6) Connect to the fiber optic cable; start with the supplied connector (3):
 - a) Looking from the back of the fiber optic connector (where the orange fiber goes into the connector) with the latch that locks it into the radio on the right; on the left side is a small tab that you need to push outward to release the inner connector from its outer shell. Pull the inner connector out and notice that it's keyed to go back in the proper orientation. Notice also, the arrows on the end of it that designate the light flow.
 - b) Looking at the inner connector, you will notice a blue locking device in the middle of it. This device resembles a "T" going through the connector. Using a pick or a small screwdriver, push the thin side of the blue lock to remove it from the connector. Notice that it, too, is keyed to return in the proper orientation.
 - c) Repeat steps *a* and *b* on the factory connector behind the radio.
 - d) Notice that the fiber optic cable is held in place on the inner connector by a black tab. On the factory plug, pry the black tab slightly outward from the connector to release the fiber optic cable located at the arrow pointing out (toward the fiber optic cable). and carefully remove the fiber optic cable.
 - e) Insert the fiber optic cable that was removed in step *d* into the empty socket on the supplied connector (3). Remove the cap from the end of the fiber optic cable on the supplied connector (3), and insert the end of the fiber optic cable into the opening on the factory connector where the fiber optic cable was removed.
 - f) Reassemble the 2 fiber optic connectors by reversing steps *b* and *a*.
- 7) Plug the female end of the supplied Plug'n'Play power harness into the matching male plug that was disconnected from the radio.

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- 8) Choose a suitable location for the microphone; we suggest: On top of the steering column, in the driver's side A pillar or up by the rear view mirror. Run microphone wire behind the dash, being mindful of locations where the wire might catch, especially when running it near the pedals, up to the location behind the radio where the remaining harnesses are.

Note: The microphone is directional and should be facing toward the driver's head.

- 9) Plug fiber optic cable, male 8-pin molex cable and microphone cable into Tooki. Plug all cables removed in step 6 into the back of the radio. Turn on the car and radio and verify the proper operation of the Tooki before re-mounting the remaining hardware.
- 10) Mount the Tooki behind the heater controls, beneath the radio, using velcro or double-sided tape. It may be necessary to remove the heater controls, which requires removing 1 torx T20 bolt on each side. Reassemble the dash by reversing steps 3 through 1.