

Porsche Classic Communication Management Plus (PCCM Plus)

Vehicle type: **911 (996) and Boxster (986)**

Model Year: **As of 1997**

Restriction: **1997 - 2005**

Notes: Compared with Porsche Communication Management (PCM) generation 1 and 2.0, Porsche Classic Communication Management Plus (PCCM Plus) includes the following:

- Apple® CarPlay
- Android Auto™
- DAB+ Dual Tuner
- Digital touchscreen display (7-inch)
- External media box for USB/AUX/USB for Apple® CarPlay/Android Auto™
- 2 x microSDHC card slots
- Bluetooth® hands-free system
- Sirius® XM Ready (USA)

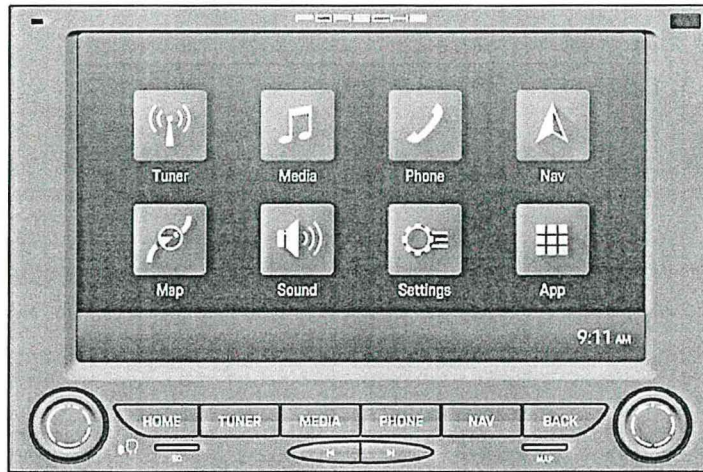


Figure 1

** Use this guide at your own Risk.*

•**Modifications Necessary** - If you have the single DIN radio, dash modifications are required to fit this radio. The radio support bracket must be trimmed to allow for the larger radio. Porsche recommends replacing the entire center console, but we assume most would rather save the money and modify what's in the car. For later cars (2002-05), an inner bracket also must be modified to make way for the larger radio. Any modifications are done at your own risk.

•**AC Relocation** - If your AC unit is above the radio, it must be relocated to the lower center console. This is very simple, you can easily reroute the wiring to the lower console. The Suncoast kit comes with the necessary trim frame to install the AC unit to the lower console area. See the main photo for reference.

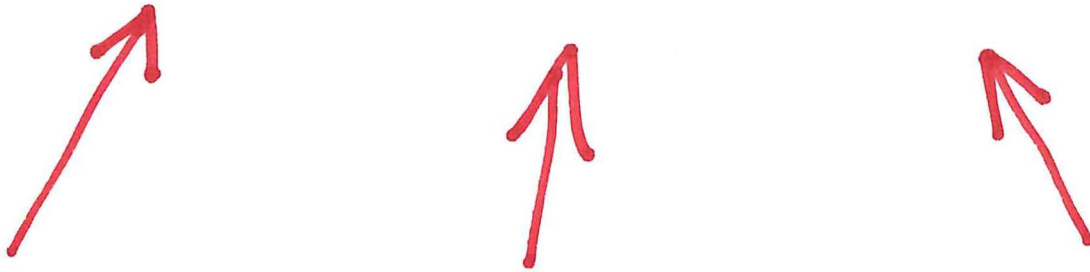
•**PCM 1.0 Note** - For first generation vehicles with PCM 1.0 (Double-DIN Navigation radio with cassette player), additional parts are required for installation. If your Porsche has PCM 1.0, select the correct option during checkout. Not sure? Contact us with your VIN, and have photos of your radio.

•**Maps** - Navigation maps are not included, but can be added for an additional cost. If you plug in your phone to use Apple CarPlay, you can use maps via your phone instead.

•**Installation Notes:**

•**Dealer Installation** - Dealer installation is highly recommended. But be aware that most dealers won't want to modify your dash trim to fit the larger radio, they will want to sell you a complete new center console trim as per Porsche's recommendations.

•**Self Installation - Do so at your own risk.** This is a technical installation, not for the average radio installer. If you have any issues during the installation, Suncoast will not provide technical support. You will have to contact your local Porsche dealership for any technical support at an additional cost. Based on our experience these radios don't fail, but missing a step during the installation process can cause loss of sound, reception issues, and other glitches. We can provide an official installation guide upon request, but you will have to work with a technician or check web forums to diagnose common installation errors.



Parts list:

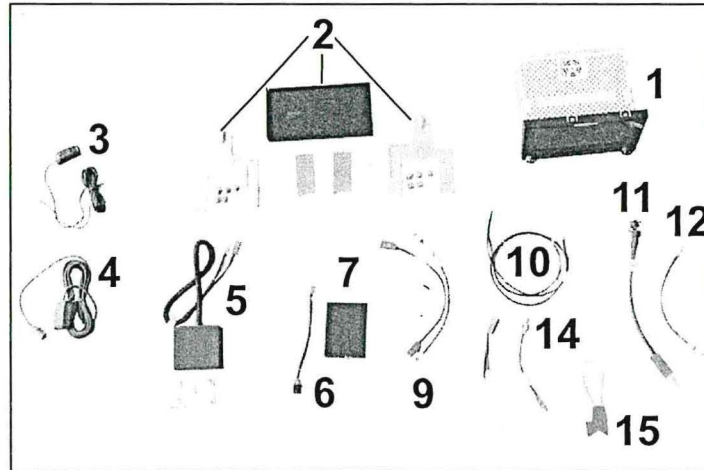


Figure 2

996.642.590.00	1 x	Porsche Classic Communication Management Plus, RoW ⇒ <i>Figure 2-1-</i>
996.642.591.00	1 x	Porsche Classic Communication Management Plus, USA ⇒ <i>Figure 2-1-</i>
996.642.595.00	1 x	Mounting parts ⇒ <i>Figure 2-2-</i>
911.645.507.00	1 x	Microphone ⇒ <i>Figure 2-3-</i>
911.645.505.00	1 x	GPS antenna ⇒ <i>Figure 2-4-</i>
911.645.513.00	1 x	Multimedia interface ⇒ <i>Figure 2-5-</i>
911.645.513.00	1 x	MOST box connecting line ⇒ <i>Figure 2-6-</i>
996.642.580.00	1 x	MOST control unit ⇒ <i>Figure 2-7-</i>
911.645.574.00	1 x	DAB receiver, RoW ONLY ⇒ <i>Figure 2-8-</i> and ⇒ <i>Figure 2-9-</i>
996.642.573.00	1 x	Adapter antenna cable for antenna without diversity, RoW ONLY ⇒ <i>Figure 2-10-</i>
911.642.313.00	1 x	Sirius XM connecting line, USA ONLY ⇒ <i>Figure 2-11-</i>
911.645.574.55	1 x	Antenna adapter plug ⇒ <i>Figure 2-12-</i>
996.642.574.00	1 x	Diversity antenna splitter, RoW ONLY ⇒ <i>Figure 2-13-</i>
996.642.575.00	1 x	Adapter + antenna wire harness for diversity control unit, RoW ONLY ⇒ <i>Figure 2-14-</i>
996.642.585.00	1 x	MOST bridge ⇒ <i>Figure 2-15-</i>

For vehicles on which PCM generation 1 (M662) is installed, the following parts are also required:

996.612.009.01	1 x	GPS antenna connecting line M662
996.642.587.00	1 x	Ground line for amplifier M662 + M680

Fitting: **Important:** Before installing PCCM+, please check that the sound system is working correctly using the system tester. If there is a fault, this must be corrected beforehand.

Note: When converting from a DIN 1 radio to PCCM Plus, please proceed as described in TI 9110 10/03.

1 Preliminary work

- 1.1 Remove battery cover and disconnect and cover the battery.
- 1.2 Remove radio, heating/air-conditioning control panel, trim for switches, centre air vents and front retaining bracket for radio.
- 1.3 Remove left trim panel for centre console, centre console trim, CD compartment and storage compartment.
- 1.4 Pull standard radio out of its slide-in module and disconnect electric plug connection.

2 Fitting (M440) RoW

- 2.1 Remove A-pillar at the left, **only for RoW vehicles (M440) with antenna diversity**
- 2.2 Unplug connector ⇒ *Figure 3-2-* and connector ⇒ *Figure 3-3-* from antenna ⇒ *Figure 3-1-* under the left A-pillar trim panel.

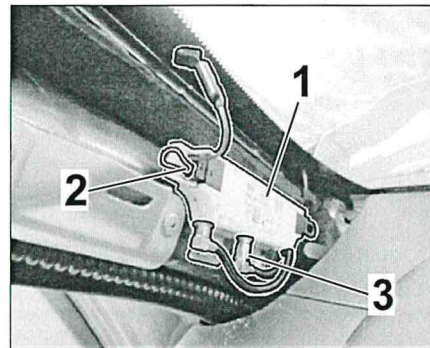


Figure 3

- 2.3 Connect antenna connector ⇒ *Figure 4-1-* to intermediate cable connector. Screw on ground line ⇒ *Figure 4-2-* at the ground point. Connect antenna cable ⇒ *Figure 4-3-* to the antenna. Connector ⇒ *Figure 4-4-* remains free. Adapter plug 996.642.574.00 ⇒ *Figure 2-13-*.

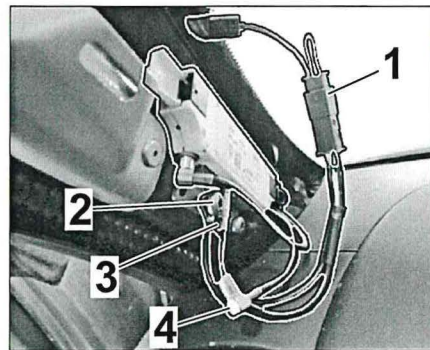


Figure 4

Outside the USA →

- 2.4 Remove antenna diversity control unit in the passenger footwell. Remove antenna cable at the antenna amplifier ⇒ *Figure 5-1-*. White single-pin connector ⇒ *Figure 6-2-* and yellow double-pin connector ⇒ *Figure 6-3-*.

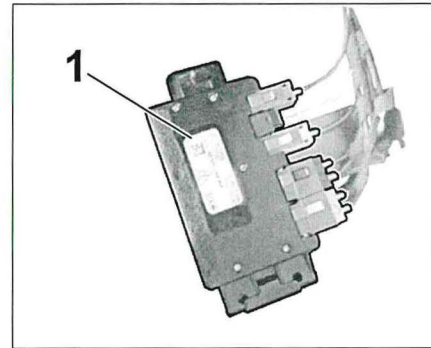


Figure 5

- 2.5 Use antenna bridge ⇒ *Figure 2-14-* to jumper the yellow double connector to the white connector ⇒ *Figure 6-1-*.
- 2.6 Remove A-pillar at the right.

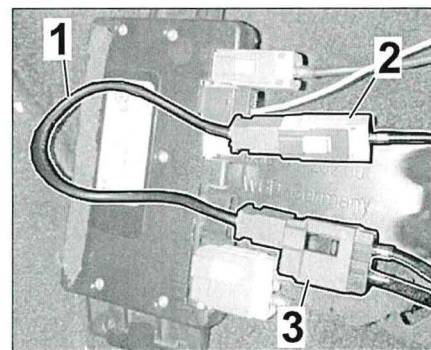


Figure 6

- 3 **(M441) RoW** Route adapter cable from antenna ⇒ *Figure 7-2-* to the PCM storage compartment. Loosen screw ⇒ *Figure 7-3-* and fit ground line ⇒ *Figure 7-4-*. Tighten the screw again. Connect connector ⇒ *Figure 7-5-* to connector ⇒ *Figure 7-1-*. Connect ⇒ *Figure 2-11-* to the windscreen antenna.

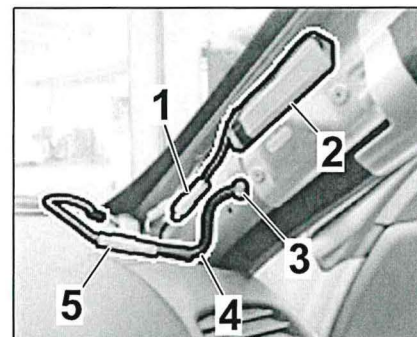


Figure 7

Outside the
USA →

- 4 **RoW and USA:** Fit microphone ⇒ *Figure 8-2-* for hands-free system on the steering-column switch. Route line for the microphone to the PCM storage compartment. The microphone installed in the vehicle cannot be used (**M618, 666**).

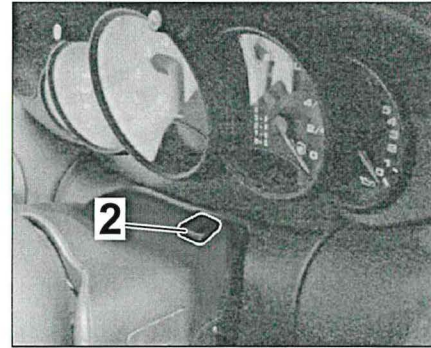


Figure 8

- 4.1 Fit GPS antenna ⇒ *Figure 2-4-* in the dashboard area and route the line to the PCM storage compartment. Only for M662 up to model year 2002 (PCM1). **For M662 up to 2002 (PCM1)**, please also use the following: 996.612.009.00. Connect PCCM+ with adapter cable and GPS antennas to the navigation computer. Alternatively, the supplied GPS antennas can be used.

- 4.1.1 Fit the supplied media interface ⇒ *Figure 2-5-* in the centre console storage bin ⇒ *Figure 9-1-*. Alternatively, the media box can also be used in the glove compartment ⇒ *Figure 10-1-*



Figure 9

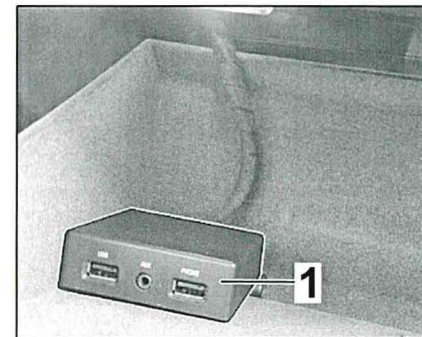


Figure 10

- 4.2 Fitting device

- 4.3 To convert a CDR radio for a PCCM+ system, please proceed as described in TI 9110/9 91110/03. On vehicles with only **M662 up to model year 2002**, the alarm contact ⇒ *Figure 11-1-* on the retaining frame must be insulated.



Figure 11

- 4.4 Secure the side panel at the left and right ⇒ *Figure 12-3-* to the transverse strut ⇒ *Figure 2-2-* using two screws on each side ⇒ *Figure 12-1-*. Fit ⇒ *Figure 2-2-*.

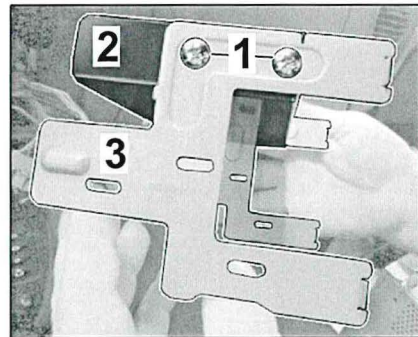


Figure 12

- 4.5 Insert device ⇒ *Figure 13-2-* into Z retaining bracket ⇒ *Figure 13-1-* and fit the side panels with transverse strut on the device from the rear. Check that the device is fitted securely. Screw the device to the Z retaining bracket with four screws.

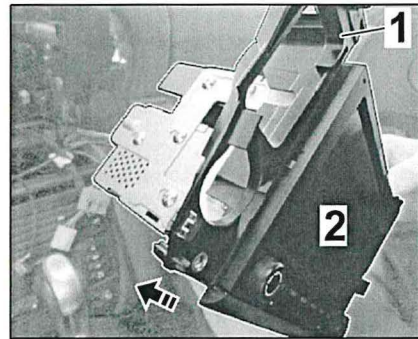


Figure 13

4.6 **RoW and USA:** Fit MOST box ⇒ *Figure 14-2-*. Stick MOST box on the transverse strut ⇒ *Figure 14-3-* from the Z retaining frame using the supplied double-sided adhesive strip and connect plug connection to the device.

4.7 **Only for RoW DAB:** Stick DAB box mounting ⇒ *Figure 14-1-* on the transverse strut from the Z retaining frame using the supplied double-sided adhesive strip and connect plug connection to the device.

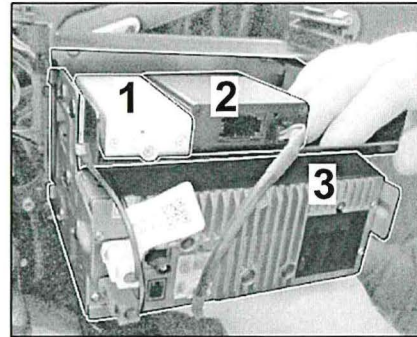


Figure 14

For M665 with M6292 from 2003: ⇒ *Figure 2-12-* must also be used.

4.7.1 Fit the supplied MOST bridge ⇒ *Figure 15-1-* 996.642.585.00 on the amplifier ⇒ *Figure 15-2-*.

4.7.2 For vehicles (1997 – 2001) with M662 (PCM generation 1) and M680 (Digital sound package), an additional ground line 99664258700 must be routed to the amplifier. **Ground line not supplied.**

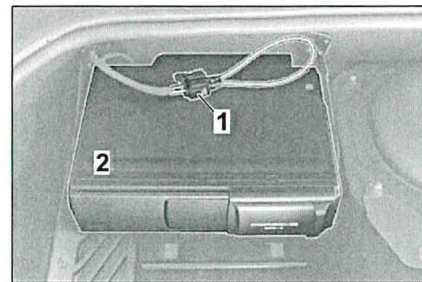


Figure 15

Fitting ground line:

Disconnect black 18-pin connector housing from the amplifier ⇒ *Figure 15.2*.



Figure 15.2

Remove fuse on connector housing and disconnect and insulate (DSP data) line, contact no. 17 black/red/yellow. ⇒ *Figure 15.3*



Figure 15.3

Connect additional ground line 99664258700 at contact no. 17. Re-fit connector housing ⇒ *Figure 15.4*



Figure 15.4

Secure ground line at the ground points. Re-fit black connector on the amplifier. ⇒ *Figure 15.5*

- 4.8 Slide device with retaining frame into the installation slot and complete the vehicle.
- 4.9 Read out the fault memory and clear it if necessary. Faults that are present following installation and are not deleted can be ignored.

Important note: The device cannot be diagnosed for technical reasons. As a result, the following faults will be entered in the fault memory.

- 9114 PCM control unit
- 9151 Unknown error



Figure 15.5

The faults do **not** affect other functions in the vehicle and can be **ignored**.

- 5 **Situation:** On vehicles with the vehicle configuration described above, the amplifier output must be activated in Porsche Classic Communication Management Plus (PCCM+). Unless this is activated, no sound will be heard from the loudspeakers when the device is switched on.

Note: No 12 V output voltage is emitted on the mini ISO connector (yellow) pin 6. To activate this, please proceed as follows.

- 5.1 Select the **Settings** button in the HOME screen.

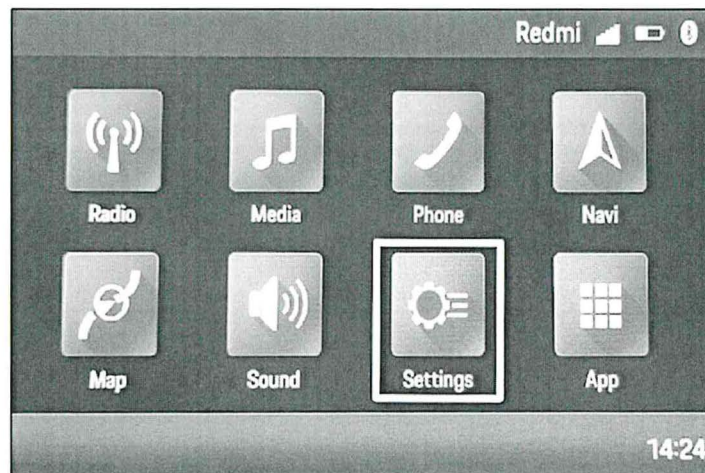


Figure 16

- 5.2 Select the **Volume** menu item and hold it down by touch for approx. 10 seconds.

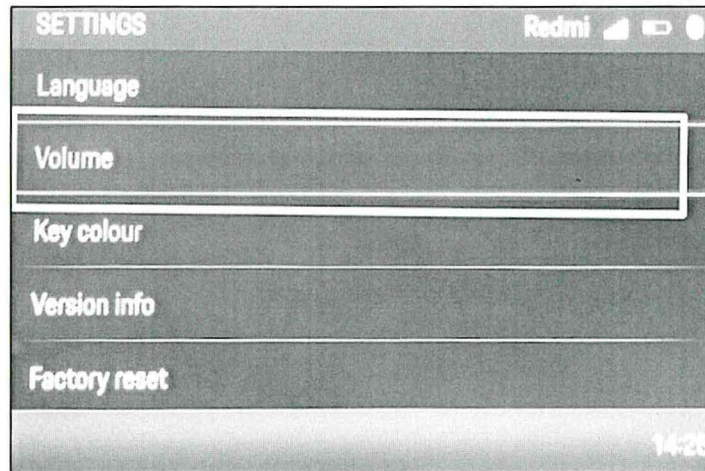


Figure 17

- 5.3 Press the **CAN** Switch button once to change from CAN to **AMP**.

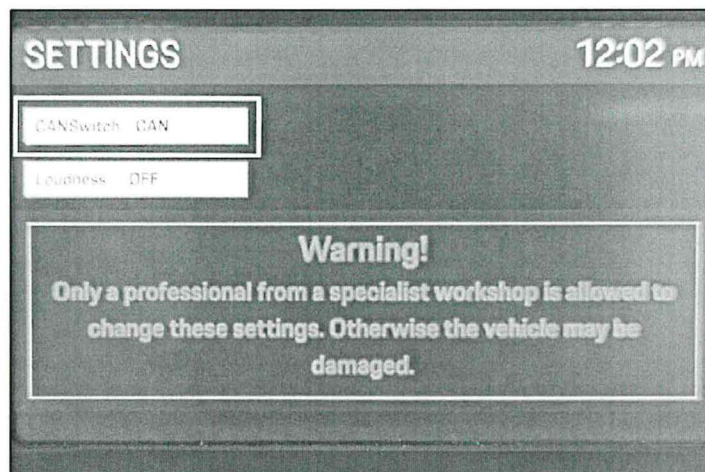


Figure 18

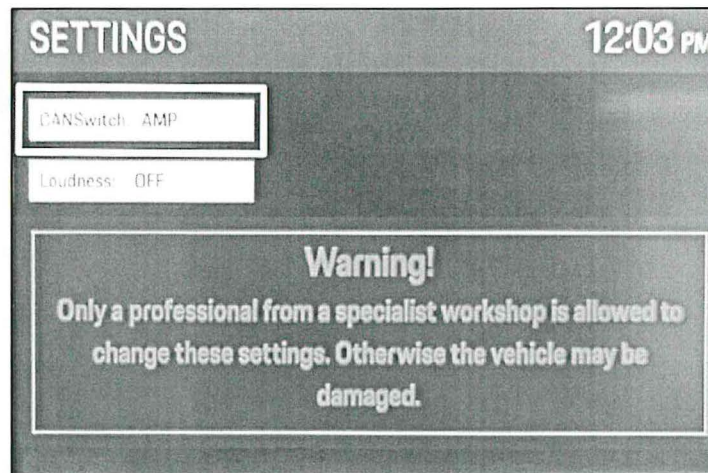


Figure 19

5.4 Restart the device.

91102340: Installing Porsche Classic Communication Management Plus

Labor time: **320 TU**