



Instructions Specifically Developed for Dealership Technicians

Description: New Beetle 2003+ Premium iPod Adapter

Part Number: 1C0 051 510

Fitment: Premium 5.5 Radio - For Satellite Radio Equipped Vehicles Only

Quantity: 1 each

Publish Date: February 11, 2010



WARNING:

Read entire instructions thoroughly before starting

Improper installation procedures can cause serious personal injury.

- Installation should be performed only by a qualified technician.
 - Read all instructions thoroughly before starting.
 - Observe all safety precautions when working under a vehicle.
 - Beware of sharp edges.
 - Always wear safety glasses to help protect eyes.
 - Always wear protective gear as gloves and use caution when using hand tools.
- Read entire instructions thoroughly before starting.

Parts Contained in This Kit:



1C0 051 510 – Premium iPod Adapter
* (iPod not included)



Attention

Before starting make sure painted and trim surfaces are protected to avoid scratching during installation process of the items. Use proper surface protection covers and work attire free of dirt and grease.



Note:

Use care when running the wires, so as not to pinch, cut or damage, etc., the wiring during the installation. If, during the installation, caution is not used while running the wiring and damage occurs, you will be charged back.

Tools needed for installation:



Trim Removal Wedge



Driver



Utility Knife



T20 torx bit



Ratchet



Small (pocket) screwdriver



Electric Drill & 4mm Drill Bit



13mm socket

iPod Adapter



Step #01
iPod Adapter Installation:

Use a trim removal tool to remove the sill trim and kick panel



Step #02
iPod Adapter Installation:

Pull the front passenger side carpet up to expose the satellite receiver. Use a 13mm socket to remove the three retainer bracket bolts. Remove the bracket and receiver to allow access to the harness



Step #03
iPod Adapter Installation:

Remove the 3 T20 screws on the bottom side of the glove compartment



Step #04
iPod Adapter Installation:

Use a trim removal tool to remove the side panel from the passenger side of the dash



Step #05
iPod Adapter Installation:

Open the glove compartment and use a T20 to remove the 2 screws on the top of the glove compartment



Step #06
iPod Adapter Installation:

Using a trim removal tool, remove the cover on the center of the lower dash panel



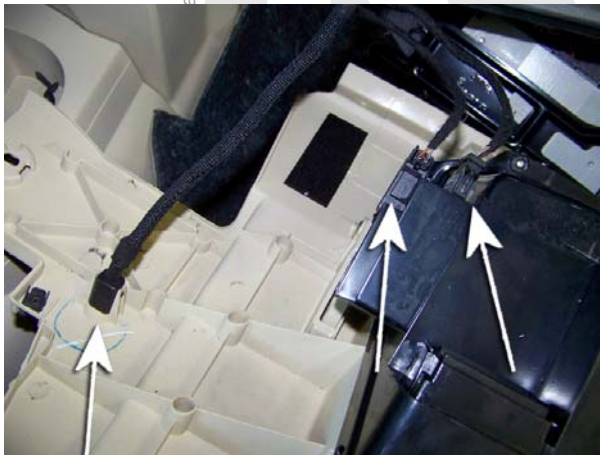
Step #07
iPod Adapter Installation:

Use a trim removal tool to remove both seat warmer caps. Remove the 4 T20 screws on the center unit. Remove the center unit



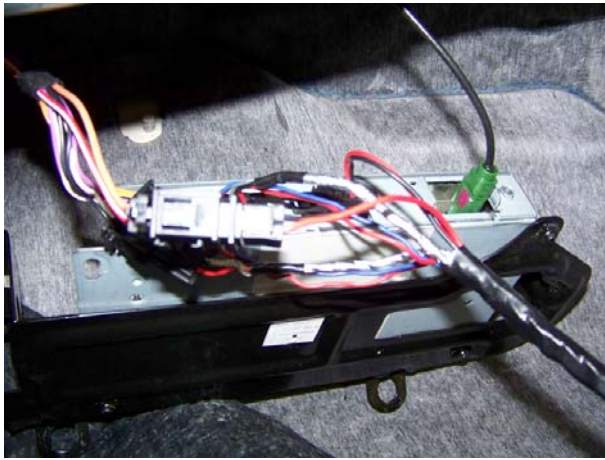
Step #08
iPod Adapter Installation:

Remove the T20 screw located behind the center unit on the dash



Step #09
iPod Adapter Installation:

Disconnect the A/C vent hose from the back of the glove compartment, if equipped. Remove the AUX jack, light switch and power. Remove the glove compartment from the vehicle



Step #10 **iPod Adapter Installation:**

Remove the two black connectors from the factory satellite radio receiver. Insert the matching connectors from the iPod adapter harness (part # 1C0 051 510) into the satellite radio control module. Insert the connectors removed from the satellite radio control module into the matching connectors of the iPod harness (part # 1C0 051 510). Secure the harness using a supplied wire tie. Reinstall the receiver back into the location. Place the carpet back into place

! Note:

Use care when running the wires, so as not to pinch, cut or damage, etc., the wiring during the installation. Failure to use caution will result in a charge back on the installation.



Step #11 **iPod Adapter Installation:**

Route the harness up the kick panel and into the dash panel. Allow enough wire to reach to the glove compartment. Wire tie the remainder to the harness on the vehicle.

! Note:

When using the iPod adapter harness (part # 1C0 051 510) there will be very little wire that is unused. Secure the wire to the existing harness in the kick panel area of the passenger side.

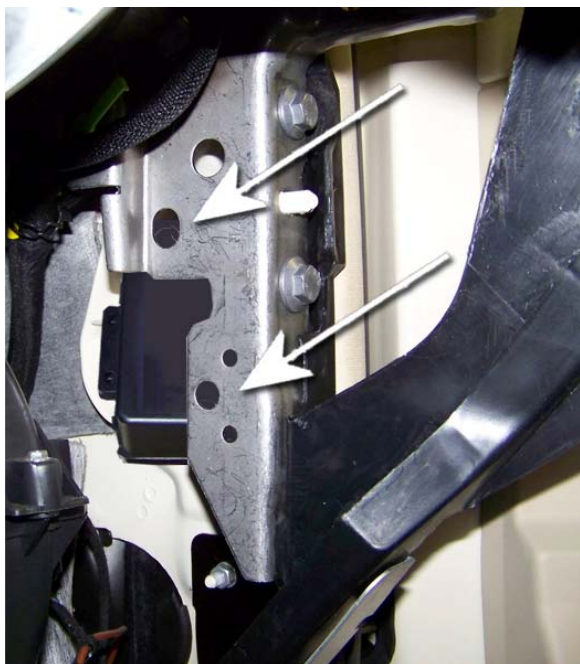


Step #12 **iPod Adapter Installation:**

Route the remainder of the wire into the glove compartment dash opening. Secure the harness to existing harness' using wire ties

! Note:

Use care when running the wires, so as not to pinch, cut or damage, etc., the wiring during the installation. Failure to use caution will result in a charge back on the installation.



Step #13 **iPod Adapter Installation:**

Use the wire ties to mount the iPod module on the dash support in the area shown in the images above.

! Note:

Mount the module onto the BACKSIDE of the bracket. You will have to feed the wire ties into the opening and then place the module into place.



Step #14 **iPod Adapter Installation:**

Remove the black panel in the upper left corner of the glove compartment

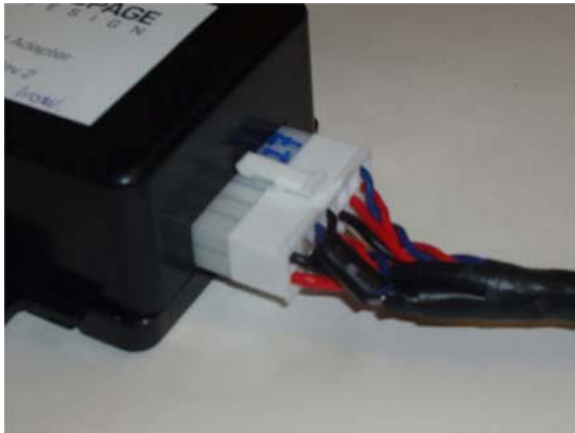


Step #15 **iPod Adapter Installation:**

Route the iPod cable into the glove compartment

! Note:

Use care when running the wires, so as not to pinch, cut or damage, etc., the wiring during the installation. Failure to use caution will result in a charge back on the installation.



Step #16

iPod Adapter Installation:

Position the glove compartment housing near the instrument panel. Insert the connector from the harness into the iPod module. Connect the AUX jack and interior light connectors. Connect the A/C vent hose, if applicable. Reinstall the glove compartment and dash panels



Note:

Use care when running the wires, so as not to pinch, cut or damage, etc., the wiring during the installation. Failure to use caution will result in a charge back on the installation.



Note:

Follow steps #3, 5, 6, 7, 8, 9 to install the glove compartment and panels



Attention:

NEVER remove, swap or dislodge ANY of the pins from the harness. If a harness is found to have loose pins, or missing pins, place a new harness into the vehicle.

Step #17

iPod Adapter Installation:

Reinstall the sill trim and side panel



Note:

Follow steps #1 thru #2 to re-install the trim and secure the satellite module in place.





Attention:

Final Fitting, All Vehicles

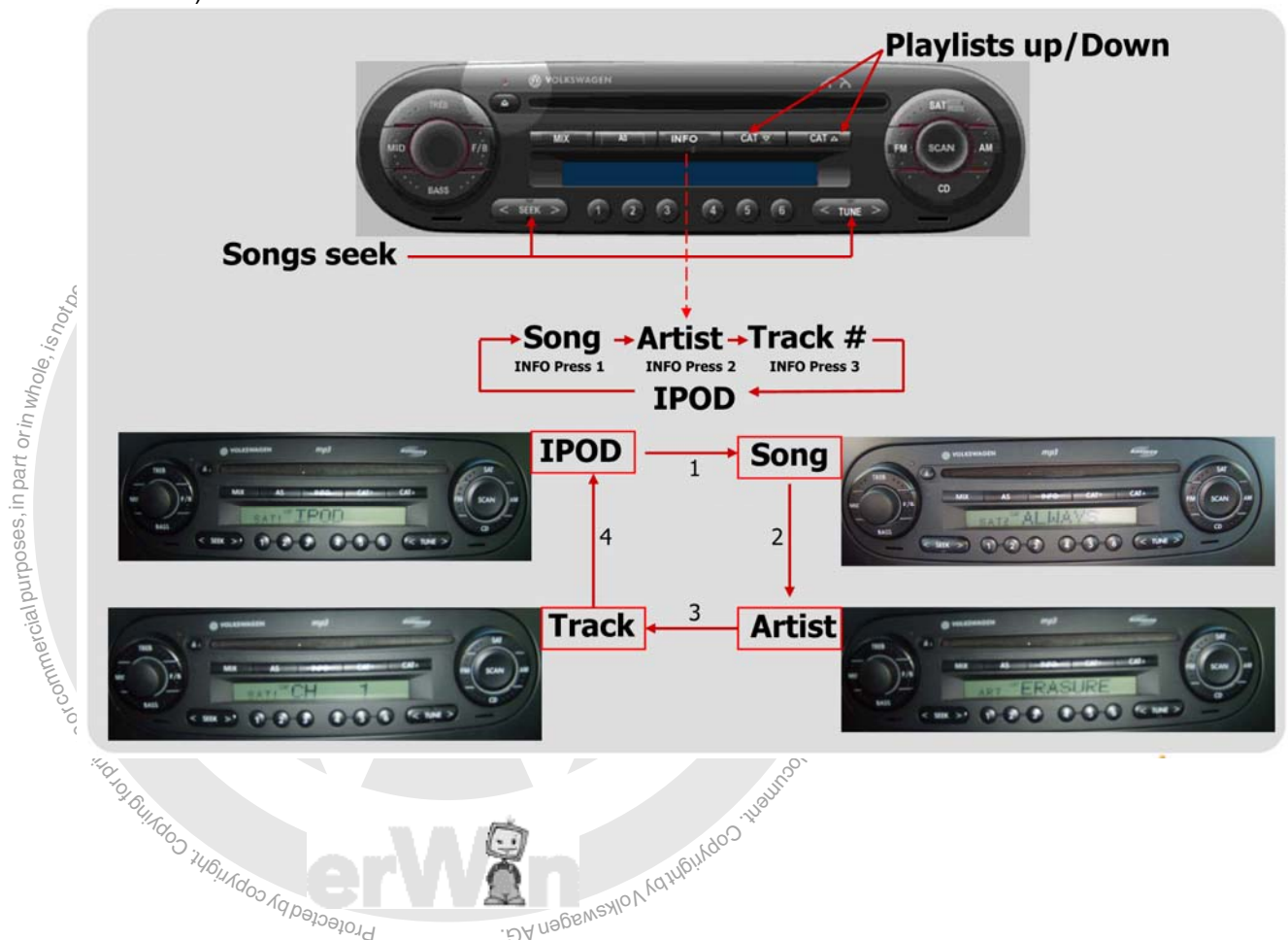
- Connect all the connectors and the aerial wire(s) to the satellite radio receiver.
- Check that all the wiring is securely connected and replace the radio/satellite receiver following the instructions in reverse order.
- Refit the vehicle glove compartment.
- Exterior bodywork; interior bodywork tasks; repair group 68; interior fittings; shelves; covers and trims; removing and fitting the glove compartment.
- Switch the ignition on and check that the radio/receiver system, connector/player, and the iPod are functioning.



Attention:

An iPod is needed for playback functionality test (preferably older 12V version that will accept a charge)

- 1) Turn vehicle ignition on
- 2) Verify radio recognizes iPod interface and buttons function properly (display will indicate iPod on screen)



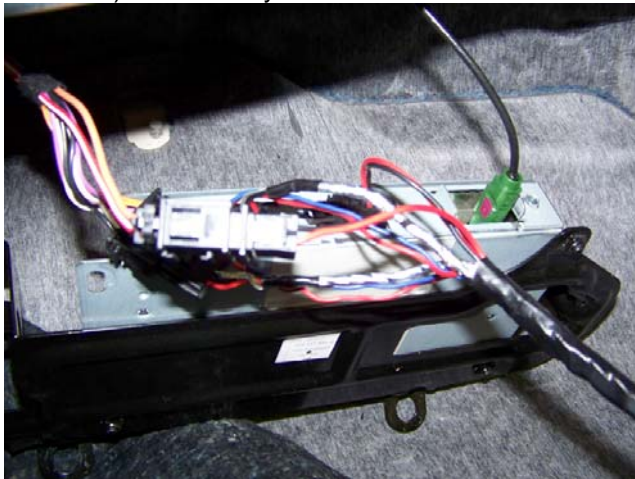
- 3) Verify instrument panel indicates iPod interface (dash panel screen – if applicable)
- 4) Verify iPod is charging with ignition in “on” position (iPod should be charged before use (on 12V units will charge, 5V will not charge)
- 5) Verify radio and iPod shut off when ignition is in “off” position



Attention:

If an issue is discovered during the functionality testing, revisit the installation. Pay special attention to the following issues:

1. Verify that all of the connectors (at the satellite radio box) are correctly installed.



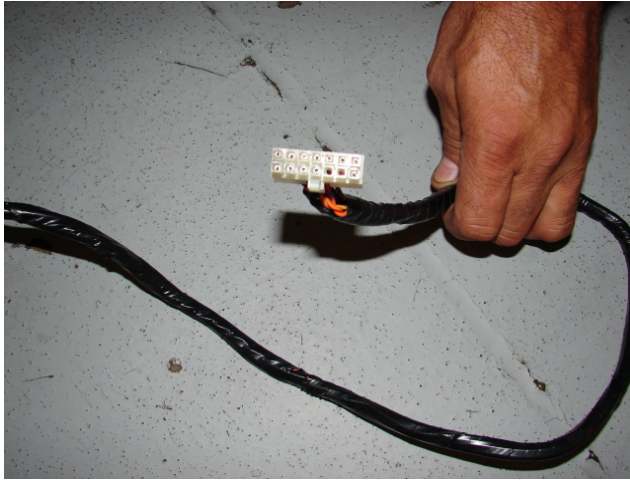
If you find that the harness is improperly plugged into the satellite radio box, correct the wiring configuration. The iPod harness should have both connectors into the satellite box, and the OEM harness plugged into the iPod harness.

2. Verify that no wiring is pinched, cut, smashed, or interfered with in any fashion.



If you find wires that are damaged, replace the adapter wiring harness in the vehicle. You will be charged back for this.

3. Verify that all the connections are correct, and that no pins are loose, or disconnected.



If you find pins that are damaged or missing, replace the iPod adapter harness.

4. Verify that the radio indicates the presence of both Sat radio, and the iPod.



If NO SAT appears on the radio, or the Satellite radio or iPod will not function, unplug the iPod harness, and cycle the ignition. If this does not allow for the Satellite radio usage, replace the iPod harness and module.

Cautions & Warnings

Please read these WARNINGS and CAUTIONS before proceeding with maintenance and repair work. You must answer that you have read and you understand these WARNINGS and CAUTIONS before you will be allowed to view this information.

- If you lack the skills, tools and equipment, or a suitable workshop for any procedure described in this manual, we suggest you leave such repairs to an authorized Volkswagen retailer or other qualified shop. We especially urge you to consult an authorized Volkswagen retailer before beginning repairs on any vehicle that may still be covered wholly or in part by any of the extensive warranties issued by Volkswagen.
- Disconnect the battery negative terminal (ground strap) whenever you work on the fuel system or the electrical system. Do not smoke or work near heaters or other fire hazards. Keep an approved fire extinguisher handy.
- Volkswagen is constantly improving its vehicles and sometimes these changes, both in parts and specifications, are made applicable to earlier models. Therefore, part numbers listed in this manual are for reference only. Always check with your authorized Volkswagen retailer parts department for the latest information.
- Any time the battery has been disconnected on an automatic transmission vehicle, it will be necessary to reestablish Transmission Control Module (TCM) basic settings using the VAG 1551 Scan Tool (ST).
- Never work under a lifted vehicle unless it is solidly supported on stands designed for the purpose. Do not support a vehicle on cinder blocks, hollow tiles or other props that may crumble under continuous load. Never work under a vehicle that is supported solely by a jack. Never work under the vehicle while the engine is running.
- For vehicles equipped with an anti-theft radio, be sure of the correct radio activation code before disconnecting the battery or removing the radio. If the wrong code is entered when the power is restored, the radio may lock up and become inoperable, even if the correct code is used in a later attempt.
- If you are going to work under a vehicle on the ground, make sure that the ground is level. Block the wheels to keep the vehicle from rolling. Disconnect the battery negative terminal (ground strap) to prevent others from starting the vehicle while you are under it.
- Do not attempt to work on your vehicle if you do not feel well. You increase the danger of injury to yourself and others if you are tired, upset or have taken medicine or any other substances that may impair you or keep you from being fully alert.
- Never run the engine unless the work area is well ventilated. Carbon monoxide (CO) kills.
- Always observe good workshop practices. Wear goggles when you operate machine tools or work with acid. Wear goggles, gloves and other protective clothing whenever the job requires working with harmful substances.
- Tie long hair behind your head. Do not wear a necktie, a scarf, loose clothing, or a necklace when you work near machine tools or running engines. If your hair, clothing, or jewelry were to get caught in the machinery, severe injury could result.
- Do not re-use any fasteners that are worn or deformed in normal use. Some fasteners are designed to be used only once and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual - replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.

Cautions & Warnings

- Illuminate the work area adequately but safely. Use a portable safety light for working inside or under the vehicle. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.
- Friction materials such as brake pads and clutch discs may contain asbestos fibers. Do not create dust by grinding, sanding, or by cleaning with compressed air. Avoid breathing asbestos fibers and asbestos dust. Breathing asbestos can cause serious diseases such as asbestosis or cancer, and may result in death.
- Finger rings should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.
- Before starting a job, make certain that you have all the necessary tools and parts on hand. Read all the instructions thoroughly; do not attempt shortcuts. Use tools that are appropriate to the work and use only replacement parts meeting Volkswagen specifications. Makeshift tools, parts and procedures will not make good repairs.
- Catch draining fuel, oil or brake fluid in suitable containers. Do not use empty food or beverage containers that might mislead someone into drinking from them. Store flammable fluids away from fire hazards. Wipe up spills at once, but do not store the oily rags, which can ignite and burn spontaneously.
- Use pneumatic and electric tools only to loosen threaded parts and fasteners. Never use these tools to tighten fasteners, especially on light alloy parts. Always use a torque wrench to tighten fasteners to the tightening torque listed.
- Keep sparks, lighted matches, and open flame away from the top of the battery. If escaping hydrogen gas is ignited, it will ignite gas trapped in the cells and cause the battery to explode.
- Be mindful of the environment and ecology. Before you drain the crankcase, find out the proper way to dispose of the oil. Do not pour oil onto the ground, down a drain, or into a stream, pond, or lake. Consult local ordinances that govern the disposal of wastes.
- The air-conditioning (A/C) system is filled with a chemical refrigerant that is hazardous. The A/C system should be serviced only by trained automotive service technicians using approved refrigerant recovery/recycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive chemical refrigerants.
- Before doing any electrical welding on vehicles equipped with anti-lock brakes (ABS), disconnect the battery negative terminal (ground strap) and the ABS control module connector.
- Do not expose any part of the A/C system to high temperatures such as open flame. Excessive heat will increase system pressure and may cause the system to burst.
- When boost-charging the battery, first remove the fuses for the Engine Control Module (ECM), the Transmission Control Module (TCM), the ABS control module, and the trip computer. In cases where one or more of these components is not separately fused, disconnect the control module connector(s).
- Some of the vehicles covered by this manual are equipped with a supplemental restraint system (SRS), that automatically deploys an airbag in the event of a frontal impact. The airbag is operated by an explosive device. Handled improperly or without adequate safeguards, it can be accidentally activated and cause serious personal injury. To guard against personal injury or airbag system failure, only trained Volkswagen Service technicians should test, disassemble or service the airbag system.

Cautions & Warnings

- Do not quick-charge the battery (for boost starting) for longer than one minute, and do not exceed 16.5 volts at the battery with the boosting cables attached. Wait at least one minute before boosting the battery a second time.
- Never use a test light to conduct electrical tests of the airbag system. The system must only be tested by trained Volkswagen Service technicians using the VAG 1551 Scan Tool (ST) or an approved equivalent. The airbag unit must never be electrically tested while it is not installed in the vehicle.
- Some aerosol tire inflators are highly flammable. Be extremely cautious when repairing a tire that may have been inflated using an aerosol tire inflator. Keep sparks, open flame or other sources of ignition away from the tire repair area. Inflate and deflate the tire at least four times before breaking the bead from the rim. Completely remove the tire from the rim before attempting any repair.
- When driving or riding in an airbag-equipped vehicle, never hold test equipment in your hands or lap while the vehicle is in motion. Objects between you and the airbag can increase the risk of injury in an accident.

I have read and I understand these Cautions and Warnings.

