



Assembly Instructions

000 051 473 S

Genuine High universal mobile phone integration retrofit kit

Supplied in the kit:

- ◆ 1 x Telephone control unit (Interface box)
- ◆ 1 x Wiring harness
- ◆ 1 x Microphone
- ◆ 1 x Fitting material
- ◆ 1 x Operating instructions
- ◆ 1 x Installation instructions

Accessories¹⁾:

- ◆ 1K0 919 737 M Module carrier
- ◆ 3C0 035 624 B 3-button module
- ◆ 000 051 434 3 BM cable set
- ◆ 1K0 947 105 P Light console²⁾
- ◆ 1K0 947 133 B Trim for 3-button module²⁾

¹⁾ not supplied in the kit, order separately if required.

²⁾ must be ordered vehicle-specific in the matching equipment colour ⇒ Spare parts catalogue.

Required special tools, test and measuring equipment and auxiliary equipment:

- ◆ Networked vehicle diagnostics, measurement and information system -VAS 505X- (online only) with the Volkswagen brand DVD from V.19.16.00 as well as the basic CD version 19.00 or higher.

Installation process:



Note

- ◆ *The Genuine High universal mobile phone integration retrofit kit must be installed by a competent workshop. Special tools are needed for the installation as well as detailed, vehicle-specific manuals. Incorrect fitting may lead to damage to the vehicle.*
- ◆ *After completing the installation work, the car must be encoded for operation with the High universal mobile phone integration using a vehicle diagnosis, measurement and information system.*
- ◆ *All rights to make technical changes reserved.*



1.1 Installation overview

The figure opposite shows the fitting location and the routing of the wiring.

1 - Microphone

- ◆ Installation in a new light console
- ◆ Supplied in the kit

2 - 3-button module

- ◆ Installation on the ex-works fitting location in the light console
- ◆ For the installation, a vehicle-specific light console and a trim are required that are not supplied in the kit; see also section "Accessories"

3 - Light console adapter cable

- ◆ For connecting the new light console with the wiring harness of the vehicle
- ◆ Not supplied in the kit, order separately; see also section "Accessories - 3 BM cable set"

4 - 3-button module wiring harness

- ◆ From the 3-button module -2- to the telephone control unit -7-
- ◆ Not supplied in the kit, order separately; see also section "Accessories - 3 BM cable set"

5 - Microphone connecting cable

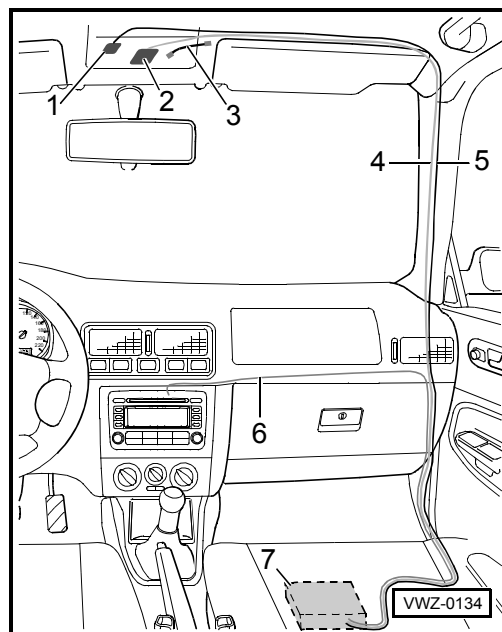
- ◆ From the telephone control unit -7- to the microphone -1-
- ◆ Supplied in the kit

6 - Wiring harness

- ◆ From the telephone control unit -7- to the radio / navigation system
- ◆ Supplied in the kit

7 - Telephone control unit (Interface box)

- ◆ Installation on the ex-works fitting location under the passenger seat
- ◆ Supplied in the kit
- ◆ For installation, a vehicle-specific module carrier is required, see also section "Accessories"



! ATTENTION!

- The wiring harnesses -4- and -5- must also be routed so that the airbags are not restricted in their function.

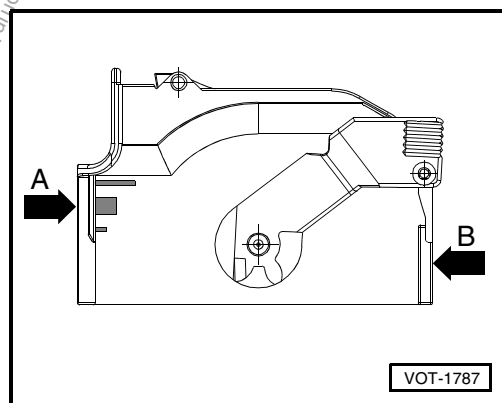
1.2 Connect the 3-button module wiring harness



Note

For reasons of clarity, wiring already connected is not illustrated in the figure below.

- Disengage both locking mechanisms -arrow A- and press the contact strip out of the connector housing using a suitable tool -arrow B-.



- Connect the 3-button module wiring harness (not supplied in the kit, order separately; see also section "Accessories - 3 BM cable set") to the contact strip according to the following table.

Cable colour	to bay contact housing	Completed
blue/black	Pin 20	
blue/white	Pin 27	
blue/yellow	Pin 28	
blue/brown	Pin 30	
blue/grey	Pin 31	
grey/blue	Pin 38	

**Note**

The individual numbers for the contacts are stamped on the contact strip.

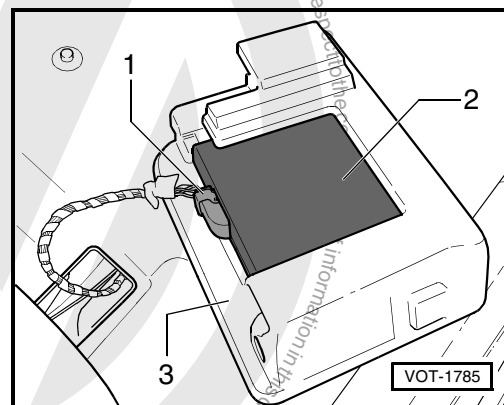
- Assemble the connector in the reverse order.

1.3 Preparing the vehicle for fitting the components

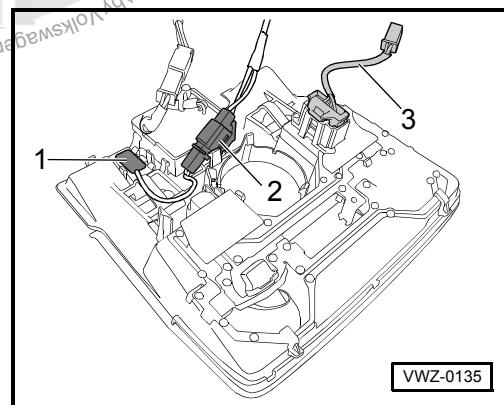
- Disconnect battery.
- ⇒ ELSA; repair group 27
- Removing the radio / navigation system.
- ⇒ ELSA; repair group 91
- Remove the shelf on the passenger side, sill rail, trims of the A-pillar on the passenger side and sun blinds.
- ⇒ ELSA; Interior bodywork fitting
- Push the connecting plug of the wiring harness supplied from the inner sill on the passenger side under the floor covering along to the passenger seat (see next fig.).

1.4 Connecting the telephone control unit

- Push the telephone control unit -2- supplied in the kit onto the module carrier -3-.
- Connect the multiway connector -1- of the wiring harness to the telephone control unit -2-.
- Route the wiring harness to the radio / navigation system according to the installation overview.

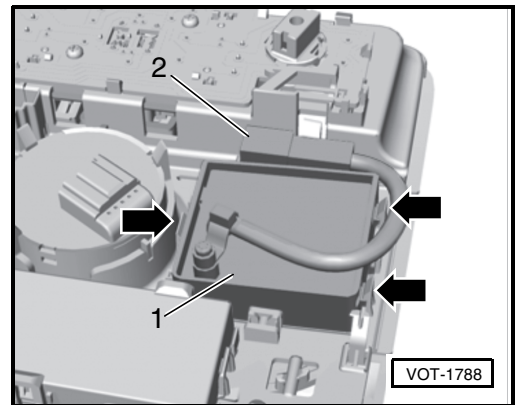
**1.5 Preparing the light console**

- Remove the light console of the vehicle.
 - ⇒ ELSA; Interior bodywork fitting
- Continue with the new light console (not supplied in the kit, order separately; see also section "Accessories").
- Remove the cover (not displayed) from the fitting opening of the microphone -1-.
 - Clip the microphone -1- supplied in the kit into the light console of the vehicle.
 - Insert the multi-pin connector of the light console adapter cable -3- (not supplied in the kit, order separately; see also section "Accessories - 3 BM cable set") to the connection of the light console and lock in place.



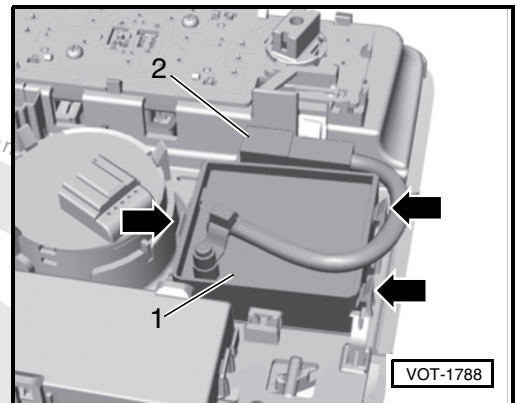


- Replace the existing trim of the light console with the trim for the 3-button module.
- Clip the 3-button module -1- in the trim of the light console -arrows-.

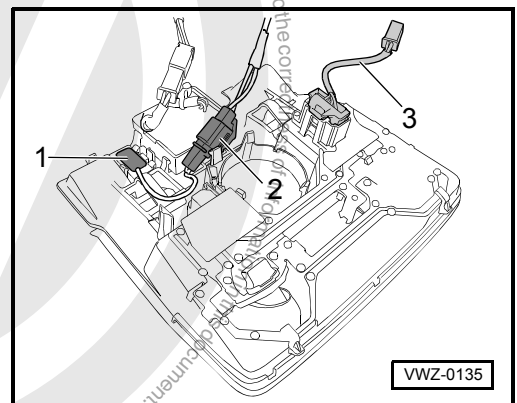


1.6 Routing and connecting the cables from the telephone control unit to the light console

- Route the microphone connecting cable and 3-button module wiring harness along the A-pillar and inside the roof lining to the light console (see installation overview, page 2).
- Fix the connecting cable to the existing cables or brackets of the vehicle using cable ties supplied in the kit.
- Connect the plug connection of the wiring harness to the socket -2- of the 3-button module.



- Connect the plug connection of the microphone -1- to the socket -2- of the connecting cable.
- To prevent rattling noises, wrap the plug connection with the foam supplied.
- Connect the connector for the light console adapter cable -3- on the vehicle wiring harness.



- Mount the light console, the A-pillar trim and the sun blinds in the reverse order.

⇒ ELSA; Interior bodywork fitting

1.7 Connection of the wiring harness to the radio connector plug of the vehicle



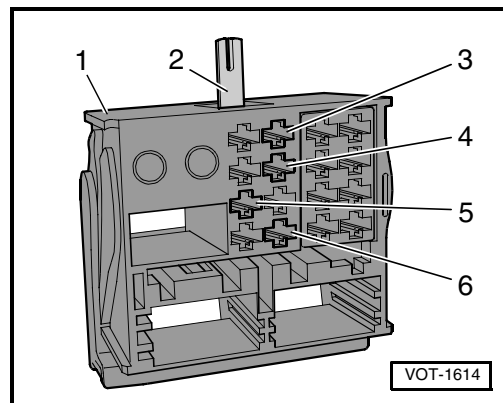
Note

For reasons of clarity, wiring already connected is not illustrated in the figures below.

- Pull the locking pin -2- out of the radio plug connector -1-.
- Press the cables out of the chambers of the radio plug connector and push the contacts into the 4-pin flat contact housing supplied in the kit according to the table. Tick-off the completed changes in the table column "Completed".

Cable colour	from PIN radio plug connector	to PIN flat contact housing	Completed
orange/purple	PIN 9 (-3-)	PIN 3	
orange/brown	PIN 10 (-4-)	PIN 4	
red/yellow	PIN 15 (-5-)	PIN 2	
brown	PIN 12 (-6-)	PIN 1	

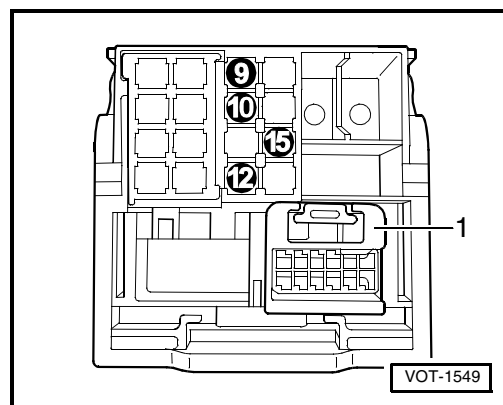
- Connect the 4 pin connector.



- Push the individual wires of the wiring harness into the radio plug connector according to the following table. Tick-off the completed changes in the table column "Completed".

Cable colour	to PIN / radio plug connector	Completed
orange/purple	PIN 9	
orange/brown	PIN 10	
red/yellow	PIN 15	
brown	PIN 12	

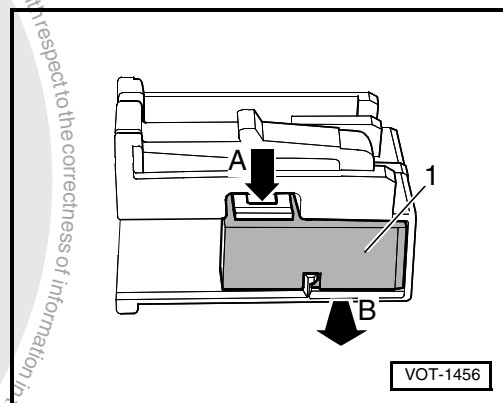
- Insert the locking pin into the radio connection plug.
- Push the 4 pin plug into the corresponding socket of the wiring harness.



- Unlock the green flat contact housing -arrow A- supplied in the kit and then pull out -arrow B- the bay contact housing -1-.
- Push the single wires of the wiring harness into bay contact housing -1- according to the following table. Tick-off the completed changes in the table column "Completed".

Cable colour	to PIN / bay contact housing	Completed
blue	PIN 12	
yellow	PIN 6	
green/brown ¹⁾	PIN 11	
white/brown ¹⁾	PIN 5	

¹⁾ not required with trade product radios





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- Connect the vehicle diagnosis, measurement and information system.

- After the confirming the code, the online connection is created and the software update carried out.

- These installation instructions are to be filled in with the chassis number and fitting date by the workshop, signed and stamped and then given to the customer when the vehicle is handed over.

Chassis number

Date _____

Signature

Stamp





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Made in Germany Genuine High universal mobile phone integration retrofit kit, Version 02.2013

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.

