



Instructions specifically developed for Dealers

Description: New Beetle Rear Lower Spoiler

Fitment: New Beetle (except New Beetle convertible)

Application: 2006>

Material Number: 1C0 071 641 DS lower spoiler

Quantity: 1 spoiler

Published date: February 14 2006



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.



Part Number: 1C0071641 DS **Fitment:** NB GP Sedan **Description:** Lower spoiler

Required Tools – Section 1



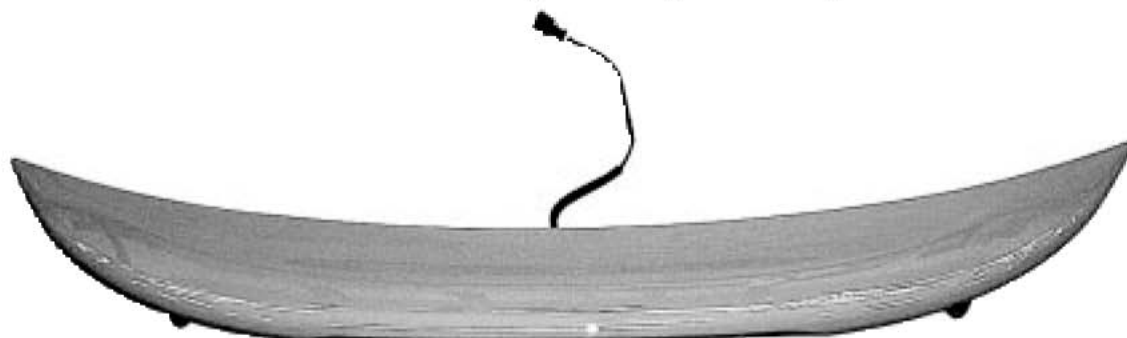
Caution: Always wear protective gear and use CAUTION when using hand tools throughout the installation process.



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New Beetle Spoiler Installation Kit

1C0 071 641 DS*** (**= factory color code)

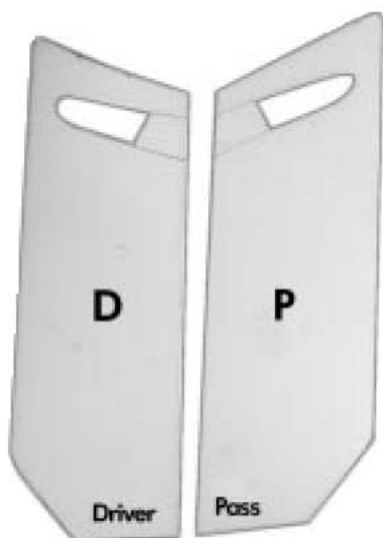


(Top View)

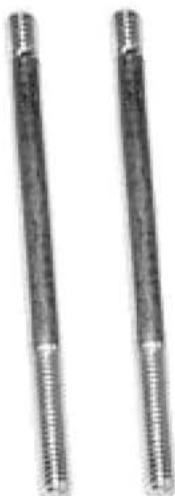


(Underside View)

New Beetle Spoiler Hardware Kit



Mylar Templates
(Driver/Passenger)



Mounting Studs
1.0X88.9
(2X)



Alcohol Wipes (2X)



Protective Foam (1X)



M6 Flange Nuts (2X)



Spring Washers (2X)



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Step#01 Cover painted surfaces with the VAS 5165 or appropriate cover before starting procedure.



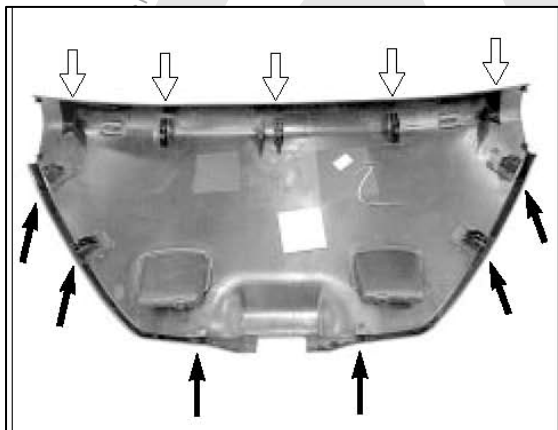
Step#02 Remove the rear hatch screw from the handle.



Step#03 After removing the screw, using the T10039/1 wedge tool, carefully pull down on inner panel to remove.



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Step#03A Note the location of the clips and guide pins. Set aside the inner panel.



NOTE: Store the panel on a clean, flat surface.



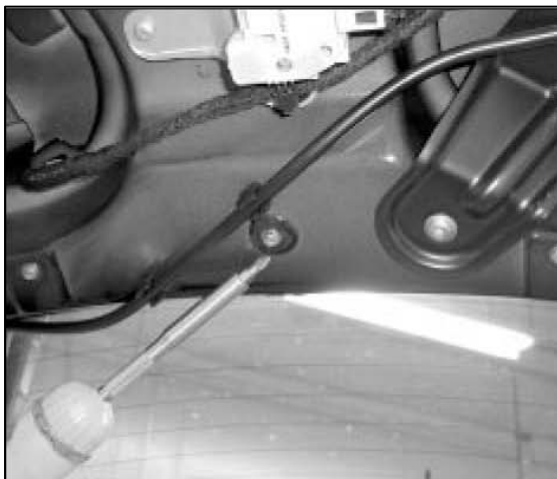
Step#04 Locate Emergency trunk lid release.



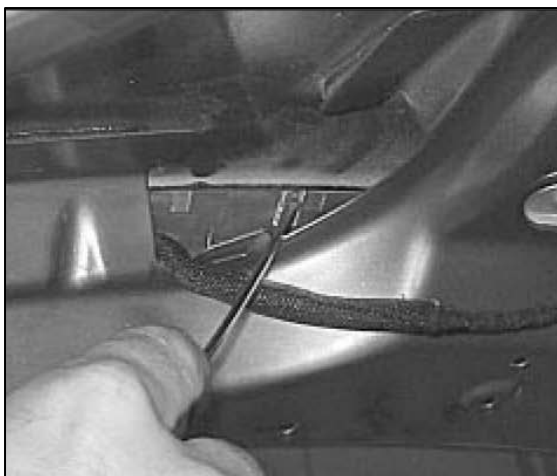
Step#05 Pull Emergency trunk lid release attachment clip out of latch assembly. This will allow for the complete removal of the panel.



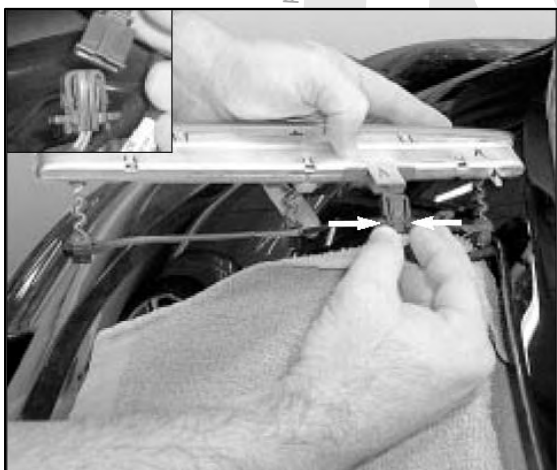
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Step#06 Use a Phillips screw driver to to remove the three attachment screws that hold on the 3rd brake light assembly.



Step#07 Use the same Phillips screw driver to apply pressure to the 2 attachment pins to allow complete removal of the 3rd brake light assembly.



Step#08 Squeeze brake light connector pins to disconnect light and remove brake light. Leave harness and plug within easy reach. Reinstall 3 screws and washers into the brake light removed in Step#7, and leave in the trunk.



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Step#09 Once the spoiler is unpacked, insert the studs into the spoiler as shown. The short end of the stud will be inserted into the spoiler.



Step#010 Screw the stud in until it bottoms out on the collar of the stud as shown in the picture. Torque to 2.8 Nm with flat head adapter, torque wrench, or torque screwdriver.



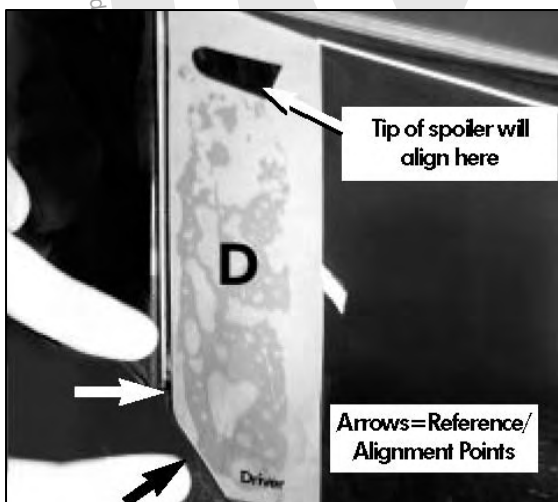
Step#011 Make sure you that you test fit the spoiler before permanent installation to confirm mounting. Line up the studs on the spoiler with the factory 3rd brake light screws.



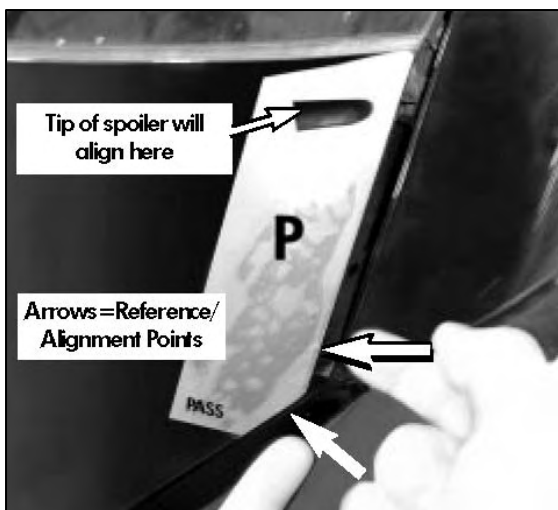
NOTE: you are checking to see if the radius along the hatch is correct.



Step#012 Clean the hatch in the spoiler mounting area. Use the supplied alcohol wipes. Note: The wipes will be needed again in the following steps.



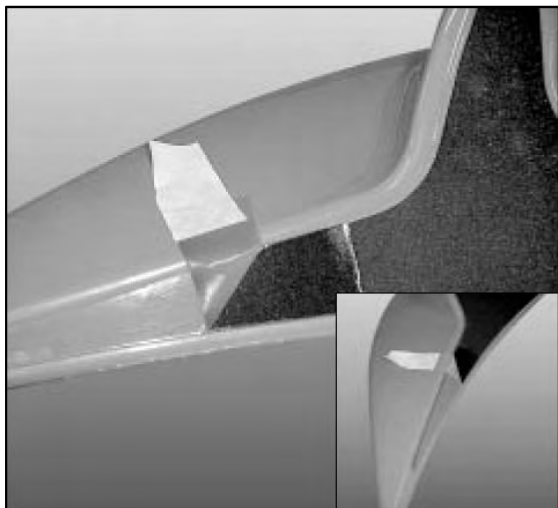
Step#012A Using the alcohol wipes, wet the outer edge where the templates will be used. Place the supplied templates in areas shown in pictures #012A and #012B.



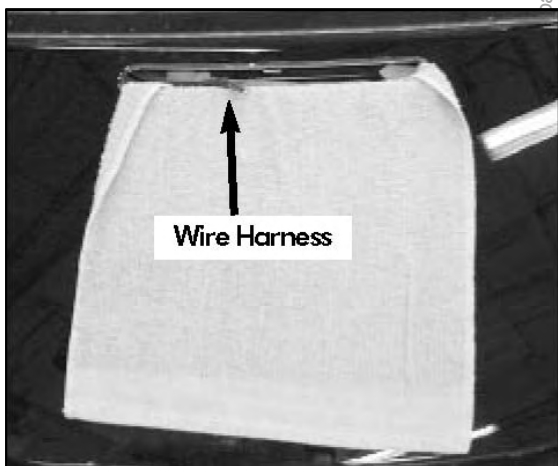
Step#012B Line up the outside edge of the template with the outside edge of the hatch. You will want the spoiler tips to align with cut to expose an area of adhesive contact.



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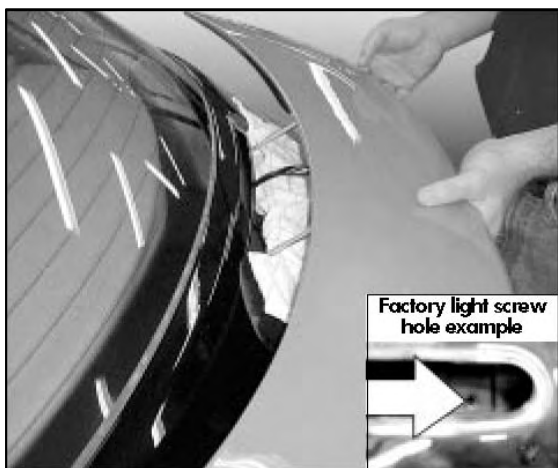
Step#013 Partially peel the backing of the 3M tape from center to tips (1.5") and fold onto the underside of the spoiler and secure with tape on template.



Step#014 Place a towel onto the hatch area to protect it from damage. Locate the vehicle's third brake light wire harness (detached and kept within reach in step #08). Feed the wire harness through the 3rd brake light hole.



NOTE: Check to see that all of the wires are out of the way in factory opening of 3rd brake light.



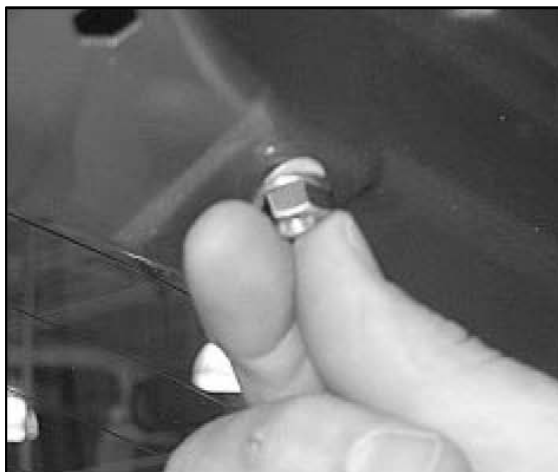
Step#015 Line up the studs on the spoiler with the factory light screw holes in hatch. The studs will pass through these holes.



NOTE: If there is a resistance felt, check each stud's alignment from the underside of the hatch. Assist/realign as necessary.



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Step#016 Hold onto the spoiler while opening the hatch and start the spring washers and flange nuts. Hand tighten only at this time. Slowly tighten the flange nuts until the spoiler tips will hold position location on the templates.



Step#016A Once the spoiler is in position, Remove the templates and peel off the rest of the tape backing.



Step#017 Apply pressure to the 3M tape areas on both ends of the spoiler.



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Step#018 Torque the flange nuts to 2.5Nm using a 10mm socket (2).



NOTE: When tightening to final torque specifications, alternate the tightening between both nuts, to ensure an **even and balanced seating of spoiler**.



Quality Check

Check to ensure even solid fit of spoiler to trunklid (**no light through mounting area**).



Step#019 After the spoiler is fastened, plug in spoiler light harness to the factory plug.



NOTE: Check that the brake light works before replacing the inner panel. Wrap with supplied foam connector insulator.



Step#020 Store connector safely inside left side area.



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Step#021 Reinstall interior trim in reverse order. Make sure alignment pins on rear trim panel are properly inserted prior to final reinstallation.



NOTE: Clean interior of any debris and fingerprints. Do not pressure wash vehicle for 24 hours.



Step#022 Locate Emergency Pull and test for proper operation.

The installation is now complete.



Recheck panel fitment.

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.