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Scitoo 109811

SCITOO Headlight Assembly Instruction Manual

For Volkswagen Cabrio (1999-2002) and Volkswagen Golf (1999-2006)

1. PRODUCT OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your SCITOO Headlight Assembly. This product is designed as a direct replacement for the original headlight units in specified Volkswagen models, ensuring proper fit and function.



Image 1.1: SCITOO Headlight Assembly (Driver and Passenger Side) with a Volkswagen Golf in the background, illustrating the product's appearance and intended vehicle.

The headlight assembly features a black housing and clear lens, designed to meet DOT and SAE safety standards for illumination and durability. It is constructed from rigid ABS plastic housing and a polycarbonate lens, engineered to withstand various weather conditions.

2. VEHICLE COMPATIBILITY

This SCITOO Headlight Assembly is compatible with the following Volkswagen models and years:

Headlight Assembly

• Compatible With Models:

Year	Make	Model
• 1999-2002	For Volkswagen	For Cabrio
• 1999-2006	For Volkswagen	For Golf

• Reference Number:

1J0941018C 1J0941017G



Image 2.1: A visual representation of the compatible vehicle models and years for the headlight assembly, including Volkswagen Cabrio and Golf.

- **Volkswagen Cabrio 2-Door:** 1999, 2000, 2001, 2002
- **Volkswagen Golf 2-Door:** 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006
- **Volkswagen Golf 4-Door:** 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006

Please verify your vehicle's make, model, and year to ensure proper fitment before installation. The reference numbers for this assembly are 1J0941018C and 1J0941017G.

3. COMPONENTS AND FEATURES

The SCITOO Headlight Assembly is designed with several key components and features for optimal performance and durability:



Image 3.1: A detailed diagram illustrating the various components of the headlight assembly, including the heavy-duty housing, polycarbonate lens, and locations for high beam, low beam, turn signal light, and fog light bulbs.

- **Heavy Duty Housing:** Constructed from rigid ABS plastic for structural integrity and protection.
- **Polycarbonate Lens:** Provides clear illumination and high transparency, resistant to impact and yellowing.

- **Sealed Design:** Prevents water and moisture infiltration, enhancing longevity and performance.
- **Bulb Compatibility (Bulbs Not Included):**
 - High Beam: H1
 - Low Beam: H7
 - Turn Signal Light: 1156NA
- **Micro-Prism Reflectors:** Engineered to enhance light output and visibility.

4. INSTALLATION INSTRUCTIONS

Installation of the SCITOO Headlight Assembly is designed to be a direct replacement for original parts. Professional installation is recommended. No modification or drilling is typically required.

Easy Installation



Image 4.1: Rear view of the headlight assembly, highlighting key components for installation: (1) Low Beam, (2) Beam Adjuster, (3) Beam Adjuster, (4) One-way Vent, (5) Harness Assembly, (6) ABS Housing.

1. **Preparation:** Ensure the vehicle's ignition is off and the battery is disconnected to prevent electrical hazards.
2. **Access:** Depending on your vehicle model, you may need to remove the front bumper or grille to access the existing headlight assembly. Refer to your vehicle's service manual for specific removal procedures.
3. **Remove Old Headlight:** Disconnect the wiring harness from the existing headlight. Unscrew any mounting bolts or clips securing the old assembly and carefully remove it.
4. **Install Bulbs:** Insert the appropriate H1 (High Beam), H7 (Low Beam), and 1156NA (Turn Signal) bulbs into the new SCITOO Headlight Assembly. Ensure they are securely seated.

5. **Position New Headlight:** Carefully place the new SCITOO Headlight Assembly into the vehicle's headlight opening. Ensure all mounting points align.
6. **Secure Headlight:** Fasten the new assembly using the original mounting bolts or clips. Ensure it is firmly in place and does not wobble.
7. **Connect Wiring:** Reconnect the wiring harness (5) to the new headlight assembly. Ensure all connections are secure.
8. **Test Functionality:** Reconnect the vehicle battery. Turn on the headlights, high beams, low beams, and turn signals to verify proper operation.
9. **Aim Headlights:** Adjust the headlight beam using the beam adjusters (2, 3) to ensure proper alignment and avoid blinding oncoming traffic. Refer to local regulations for correct headlight aiming procedures.
10. **Reassemble:** Reinstall any removed bumper or grille components.

5. OPERATION

The SCITOO Headlight Assembly provides both low beam and high beam functions for varying driving conditions.



Image 5.1: A visual comparison demonstrating the difference in illumination range and intensity between low beam (approximately 80m) and high beam (approximately 200m) settings, highlighting clear visibility provided by the PC lens.

- **Low Beam:** Use for general driving, especially in urban areas, when following other vehicles, or in light rain/fog. Provides adequate illumination without causing glare to other drivers.
- **High Beam:** Use on unlit roads or highways when no other vehicles are present. Provides maximum illumination for extended visibility. Switch to low beam when approaching or following other vehicles to prevent blinding them.
- **Turn Signals:** Activate the turn signal lever to indicate turns or lane changes.

6. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your headlight assembly.

Triple Layer Protection



- ◆ Our headlights structure prevents moisture and works well in any severe weather. no misty problems in all sorts of weather such as heavy rains, snow, dust storms.



Image 6.1: An illustration depicting the triple-layer protection of the headlight assembly, showcasing its resistance to UV, snow, rain, and dust storms, ensuring durability in severe weather.

- **Cleaning:** Regularly clean the polycarbonate lens with a soft cloth and mild soap and water. Avoid abrasive cleaners or harsh chemicals that can damage the lens coating.
- **Inspection:** Periodically inspect the headlight assembly for any signs of damage, cracks, or moisture

accumulation. Ensure the sealed design remains intact.

- **Bulb Replacement:** If a bulb burns out, replace it promptly with the correct type (H1 for high beam, H7 for low beam, 1156NA for turn signal). Refer to Section 3 for bulb types.
- **Ventilation:** The assembly includes a one-way vent (4 in Image 4.1) to manage internal pressure and prevent condensation. Ensure this vent is not obstructed.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your headlight assembly.

- **Dim or Non-Functional Light:**
 - Check the bulb: Ensure the bulb is correctly seated and not burnt out. Replace if necessary.
 - Check wiring: Verify that the wiring harness is securely connected and free from damage.
 - Check fuse: Inspect the vehicle's fuse box for a blown headlight fuse. Replace if needed.
- **Moisture or Condensation Inside Lens:**
 - Minor condensation can occur due to temperature changes and typically dissipates. Ensure the one-way vent is clear.
 - If excessive or persistent moisture is present, inspect the housing for cracks or damage to the seal. Re-sealing or replacement may be necessary.
- **Improper Beam Aim:**
 - Adjust the beam using the integrated adjusters (2, 3 in Image 4.1). Refer to local regulations or a professional for proper aiming.

8. PRODUCT SPECIFICATIONS

Specification	Detail
Brand	Scitoo
Model Number	109811
Manufacturer Part Number	109811-5336-1601323471
Product Dimensions	49.5 x 42 x 26.5 cm
Item Weight	4.68 Kilograms
Exterior Finish	Chrome
Position	Front
Bulb Type (Not Included)	H1 (High Beam), H7 (Low Beam), 1156NA (Turn Signal)
Special Features	High Beam capability
Voltage	12 Volts
Light Source Type	LED (for compatible bulbs)

Specification	Detail
Lens Color	Clear

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please contact SCITOO customer service directly. Refer to the product packaging or the official SCITOO website for contact details.

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