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Winjet WJ20-0114-05

Winjet Street Series LED Tail Lights User Manual

For Volkswagen Golf GTI MK4 (1999-2005) - Model: WJ20-0114-05

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Winjet Street Series LED Tail Lights, model WJ20-0114-05. These tail lights are designed specifically for the Volkswagen Golf GTI MK4 models manufactured between 1999 and 2005. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Figure 1: Winjet Street Series LED Tail Lights installed on a Volkswagen Golf GTI MK4. These lights feature a black housing and smoke lens, enhancing the vehicle's rear aesthetics.

2. SAFETY INFORMATION

Warning: Professional installation is highly recommended for this product. Improper installation can lead to electrical issues, damage to the vehicle, or malfunction of the tail lights, potentially compromising vehicle safety.

- Always disconnect the vehicle's battery before beginning any electrical work.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Verify that the tail lights function correctly (brake, running, turn signals, reverse) before driving.
- Adhere to all local and national regulations regarding vehicle lighting.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- One (1) Pair of Tail Lights (Left and Right)
- Two (2) Volt Resistors

4. INSTALLATION INSTRUCTIONS

These Winjet Street Series LED Tail Lights are designed for direct fitment into the factory location of your 1999-2005 Volkswagen Golf GTI MK4, requiring no modifications. However, professional installation is recommended.

Required Tools:

- Basic hand tools (e.g., screwdriver set, socket wrench set)
- Wire strippers/crimpers (if resistors require wiring)
- Electrical tape or heat shrink tubing

Installation Steps:

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Turn off the ignition and disconnect the negative terminal of the vehicle's battery to prevent electrical shorts.
2. **Access Old Tail Lights:** Open the trunk or tailgate. Locate the access panels or retaining screws for the existing tail light assemblies. Remove any covers or fasteners to gain access to the back of the tail light.
3. **Remove Old Tail Lights:** Disconnect the electrical connectors from the old tail light bulbs/assembly. Carefully unbolt or unclip the old tail light assembly from the vehicle body. Gently pull the assembly straight out to avoid damaging paint or bodywork.
4. **Prepare New Tail Lights:** Inspect the new Winjet LED Tail Lights. Ensure the included volt resistors are properly connected or prepared for connection according to the vehicle's wiring system, if necessary.
5. **Install New Tail Lights:** Connect the electrical connectors from the vehicle's wiring harness to the new Winjet LED Tail Light assembly. Ensure a snug and secure connection. If resistors are separate, connect them as per vehicle requirements to prevent hyper-flashing or error codes.
6. **Mount New Tail Lights:** Carefully position the new tail light assembly into the vehicle's opening. Align the mounting points and secure the assembly with the factory bolts or clips. Do not overtighten.
7. **Repeat for Other Side:** Follow steps 2-6 for the opposite tail light assembly.
8. **Test Functionality:** Reconnect the vehicle's battery. Turn on the ignition (do not start the engine) and test all tail light functions: running lights, brake lights, turn signals (left and right), and reverse lights. Ensure all lights illuminate correctly and without error messages.
9. **Final Check:** Once confirmed operational, ensure all wiring is neatly tucked away and secured. Replace any access panels or covers.



Figure 2: Rear view of the Winjet LED Tail Lights. Note the wiring harness and integrated volt resistors (small black boxes with fans) designed for proper electrical function.

5. OPERATING INSTRUCTIONS

Once properly installed, your Winjet Street Series LED Tail Lights will operate automatically with your vehicle's existing lighting system. They are designed to function as direct replacements for your factory tail lights.

- **Running Lights:** These will illuminate when your vehicle's headlights or parking lights are turned on.
- **Brake Lights:** These will illuminate brighter when the brake pedal is pressed.
- **Turn Signals:** The amber section of the tail light will flash when the turn signal lever is activated.
- **Reverse Lights:** The white section will illuminate when the vehicle is shifted into reverse gear.

Regularly check all lighting functions to ensure they are working correctly for safe driving.

6. MAINTENANCE

Winjet LED Tail Lights are designed for durability and minimal maintenance. Follow these guidelines to ensure their

longevity and optimal performance:

- **Cleaning:** Clean the lens with a soft cloth and mild automotive soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the polycarbonate lens material.
- **Inspection:** Periodically inspect the tail light assemblies for any signs of damage, cracks, or moisture intrusion. Ensure all mounting bolts remain secure.
- **Wiring:** Check wiring connections periodically for corrosion or looseness, especially after driving through harsh conditions.
- **Weather Sealing:** The lights feature weather sealing to prevent moisture. If you notice condensation inside the housing, inspect the seals for damage.

7. TROUBLESHOOTING

If you encounter issues with your Winjet LED Tail Lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights not illuminating	Loose electrical connection, blown fuse, incorrect wiring.	Check all wiring connections. Inspect vehicle's fuse box for blown fuses. Verify wiring against vehicle's electrical diagram.
Lights flickering or dim	Poor electrical connection, insufficient power, faulty resistor.	Ensure connections are tight. Check vehicle's voltage. Inspect or replace volt resistors if suspected faulty.
Hyper-flashing turn signals	Resistor not properly installed or faulty, vehicle's computer detecting low load.	Verify volt resistors are correctly installed and functioning. Consult a professional if the issue persists.
Moisture inside lens	Compromised weather seal, extreme temperature changes.	Small amounts of condensation may dissipate. If persistent or excessive, inspect seals for damage. Contact support if seals are faulty.

If these steps do not resolve the issue, please contact Winjet customer support.

8. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Winjet
Model Number	WJ20-0114-05
Vehicle Compatibility	1999-2005 Volkswagen Golf GTI MK4
Light Source Type	LED
Color	Black Housing/Smoke Lens
Lens Material	Polycarbonate
Auto Part Position	Rear
Special Features	Waterproof, DOT Certified Street Legal
Voltage	12 Volts

Feature	Detail
Product Dimensions (L x W x H)	21 x 17 x 11 inches
Item Weight	7 pounds
OEM Part Numbers	1J6 945 095 F, 1J6 945 096 F
UPC	848524018190, 848063051146

9. WARRANTY INFORMATION

Winjet Street Series LED Tail Lights are covered by a **one-year limited warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance standards under normal use. For warranty claims or detailed information regarding terms and conditions, please retain your proof of purchase and contact Winjet customer support.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact Winjet customer support. You can find contact information on the official Winjet website or through your retailer. Winjet is dedicated to providing quality automotive parts and support. For more information about Winjet products and services, visit the [Winjet Store on Amazon](#).