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AUTOWIKI AW30-0072-09S-Z

AUTOWIKI Fog Lights Assembly Installation and Operation Manual

Model: AW30-0072-09S-Z | For 2006-2007 Mitsubishi Lancer

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the AUTOWIKI Fog Lights Assembly, Model AW30-0072-09S-Z. This product is designed as a direct replacement for the 2006-2007 Mitsubishi Lancer. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Exact OEM Style/Fitment:** Designed for direct replacement on 2006-2007 Mitsubishi Lancer.
- **Enhanced Visibility:** Includes H3 halogen bulbs (12V 55W) for improved illumination in adverse weather conditions.
- **Durable Construction:** Made from high-quality OEM grade ABS plastic, ensuring resistance to moisture and dust.
- **Easy Installation:** Direct bolt-on replacement, requiring no modifications.
- **Safety Certified:** DOT Certified for compliance with safety standards.
- **Clear Lens:** Provides optimal light output.

2.2 Package Content

The package includes the following components:

- 2 x Fog Light Assemblies (Left and Right)
- 2 x H3 Halogen Bulbs (pre-installed)
- 1 x Wiring Harness

- 1 x Switch
- 1 x Relay
- Zip Ties and other necessary mounting hardware

PACKAGE CONTENT:



Figure 2.2.1: Package contents including fog lights, wiring, and accessories. The fog light dimensions are approximately 11.46 inches wide, 5.03 inches deep, and 6.29 inches high.

3. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work.
- Wear appropriate safety gear, including gloves and eye protection, during installation.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not touch the halogen bulb glass with bare hands, as oils can cause hot spots and reduce bulb life.
- If unsure about any step, consult a qualified automotive technician.

4. SETUP (INSTALLATION)

This section outlines the general steps for installing the AUTOWIKI Fog Lights Assembly. Specific vehicle disassembly procedures may vary. Refer to your vehicle's service manual for detailed instructions on bumper removal or access to the fog light housing.

4.1 Tools Required

- Socket Wrench Set
- Screwdriver Set (Phillips and Flathead)
- Wire Strippers/Crimpers
- Electrical Tape or Heat Shrink Tubing
- Zip Ties

4.2 Installation Steps

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and turn off the engine. Disconnect the negative terminal of the vehicle's battery.
2. **Access Fog Light Area:** Depending on your vehicle model, you may need to remove the front bumper, fender liner, or splash guard to access the factory fog light housing.
3. **Remove Old Fog Lights:** Disconnect the wiring harness from the existing fog lights. Unscrew or unclip the old fog light assemblies from their mounting brackets.
4. **Install New Fog Lights:** Carefully position the new AUTOWIKI fog light assemblies into the factory mounting locations. Secure them using the original hardware or provided mounting hardware.



Figure 4.2.1: New fog light assemblies showing the clear lens and mounting points.

SHOW DETAILS:



Figure 4.2.2: Detailed view of the fog light assembly, highlighting the pre-installed H3 bulb and durable ABS construction.

FOG LIGHT



Figure 4.2.3: Rear view of the fog light assembly, illustrating the bulb connection, adjustment screw for aiming, and robust metal bracket.

5. Wire the Fog Lights:

- Connect the new fog light wiring harness to the fog light assemblies.
- Route the wiring harness through the engine bay, ensuring it is secured away from moving parts and hot surfaces using the provided zip ties.
- Connect the relay to the designated point in the harness.
- Connect the power wire (usually red) to a fused 12V power source (e.g., battery positive terminal or an accessory fuse).
- Connect the ground wire (usually black) to a suitable chassis ground point.
- Route the switch wire into the vehicle's cabin and mount the switch in a convenient location.

6. **Reconnect Battery:** Reconnect the negative terminal of the vehicle's battery.

7. **Test Functionality:** Turn on the vehicle and test the fog lights to ensure they illuminate correctly.

8. **Adjust Aim (if necessary):** Use the adjustment screw on the back of the fog light housing to properly aim the light beam. This is typically done against a wall at a specific distance.

9. **Reassemble Vehicle:** Reinstall any removed bumper parts, fender liners, or splash guards.

5. OPERATING INSTRUCTIONS

Once installed, the AUTOWIKI Fog Lights Assembly operates via the included switch. Fog lights are

designed to provide additional illumination in conditions of poor visibility, such as fog, heavy rain, or snow, by casting a wide, low beam of light.

- **Activation:** Press the installed fog light switch to turn the fog lights ON or OFF.
- **Optimal Use:** Use fog lights in conjunction with your vehicle's low beam headlights during adverse weather conditions. Avoid using fog lights in clear weather, as they can cause glare for oncoming drivers.

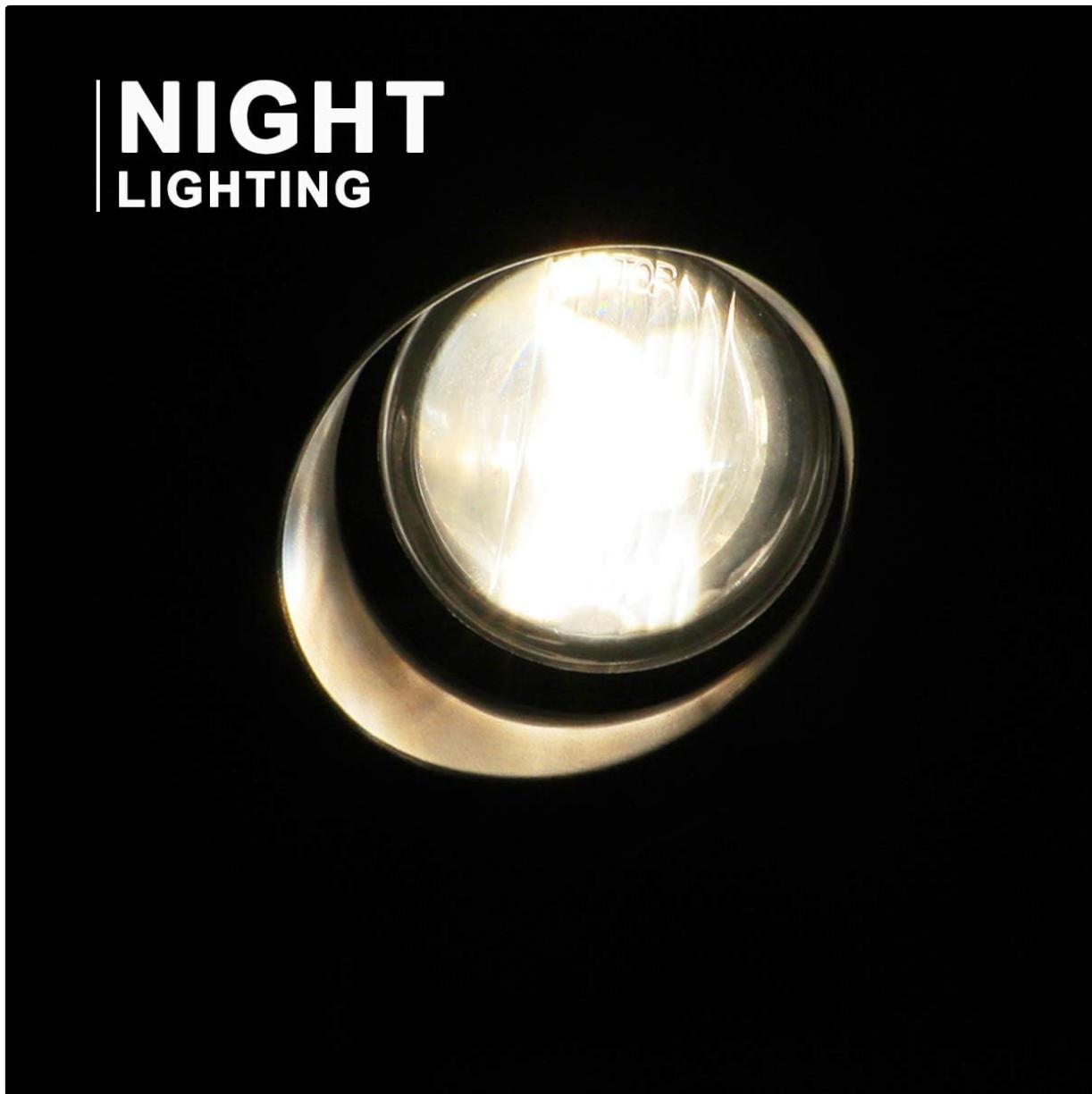


Figure 5.1: Night illumination provided by the fog light.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your fog lights.

- **Cleaning:** Periodically clean the fog light lenses with a soft cloth and mild automotive cleaner to remove dirt and debris. Avoid abrasive cleaners that can scratch the lens.
- **Bulb Replacement:** If a bulb burns out, replace it with an H3 12V 55W halogen bulb. Refer to Section 4.2 for general access steps. Avoid touching the new bulb's glass with bare hands.
- **Wiring Inspection:** Annually inspect the wiring harness for any signs of wear, fraying, or corrosion. Ensure all connections remain secure.

- **Waterproof Integrity:** The fog lights are designed to be waterproof. However, if you notice moisture inside the housing, inspect the seals and ensure proper installation.

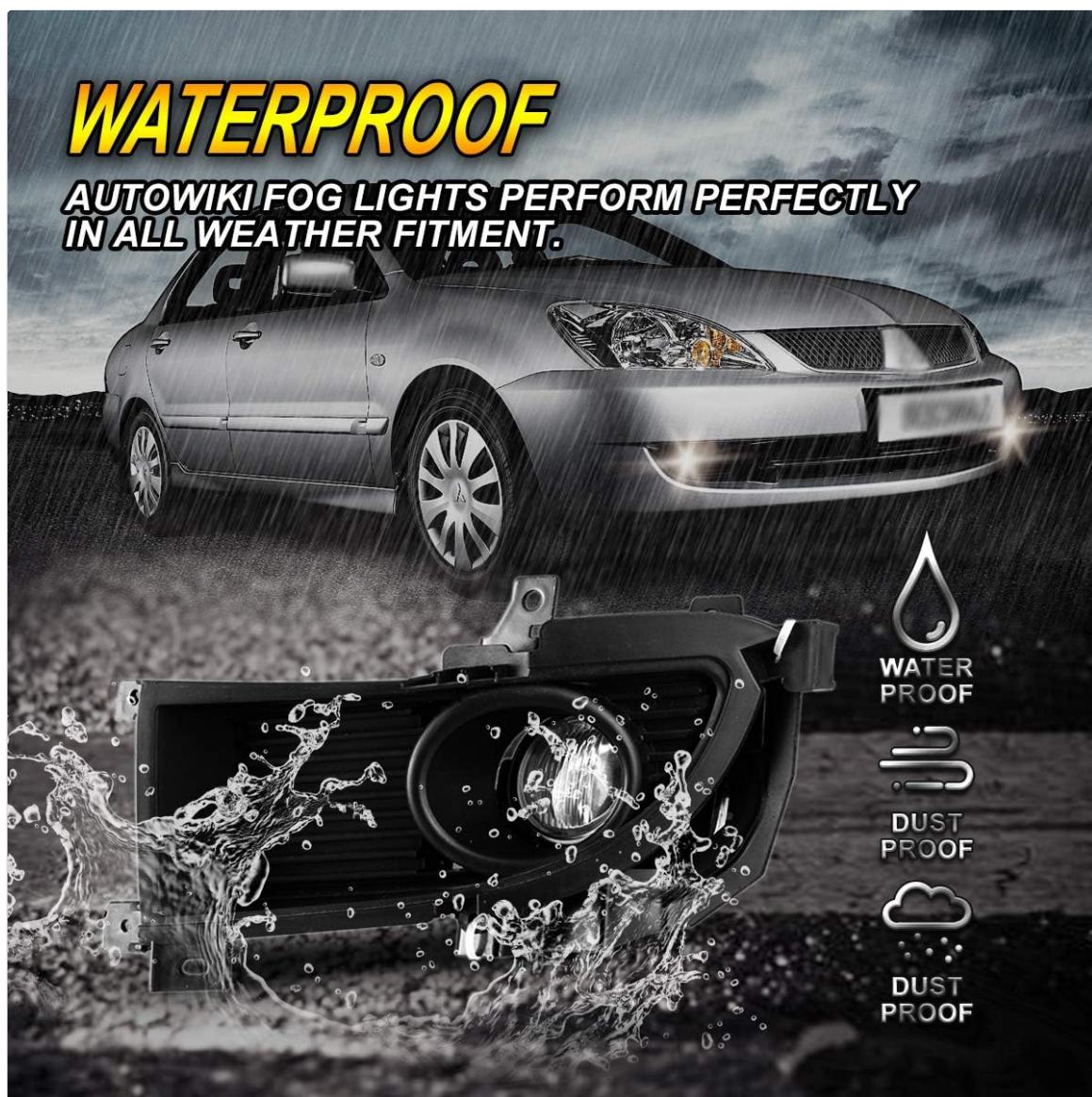


Figure 6.1: The fog lights are designed for all-weather performance, featuring waterproof and dustproof construction.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fog lights do not turn on.	<ul style="list-style-type: none"> • Blown fuse. • Loose wiring connection. • Faulty bulb. • Faulty switch or relay. 	<ul style="list-style-type: none"> • Check and replace the fuse in the wiring harness. • Inspect all wiring connections for tightness and corrosion. • Replace the H3 bulb. • Test the switch and relay; replace if defective.

Problem	Possible Cause	Solution
One fog light is not working.	<ul style="list-style-type: none"> Faulty bulb in that specific light. Loose connection to that specific light. 	<ul style="list-style-type: none"> Replace the bulb. Check the wiring connection to the non-functional light.
Moisture inside the fog light housing.	<ul style="list-style-type: none"> Improperly sealed housing. Damaged seal. 	<ul style="list-style-type: none"> Ensure the bulb is properly seated and sealed. Inspect the housing for cracks or damage; replace if necessary.

8. SPECIFICATIONS

Feature	Detail
Brand	AUTOWIKI
Model Number	AW30-0072-09S-Z
Compatibility	2006-2007 Mitsubishi Lancer
Light Source Type	Halogen - H3
Wattage	55 watts
Voltage	12 Volts
Lens Color	Clear
Lens Material	ABS Plastic
Special Features	Waterproof, DOT Certified
OEM Part Numbers (Left)	MN126815, MN161941
OEM Part Numbers (Right)	MN126816, MN161942
Item Weight	4.44 pounds
Package Dimensions	12.2 x 10 x 6.1 inches

9. WARRANTY INFORMATION

AUTOWIKI offers a 180-day warranty on this product. Additionally, a free return policy is available within 30 days if you are not 100% satisfied. Please retain your proof of purchase for warranty claims.

10. SUPPORT

For further assistance or inquiries, please visit the official AUTOWIKI store or contact customer support

through the platform where the product was purchased.

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