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› HELLA 2ZR 001 421-101 Reversing Light - Surface Mount Instruction Manual

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HELLA 2ZR 001 421-101 Reversing Light - Surface Mount

Instruction Manual

Model: 2ZR 001 421-101 | Brand: HELLA

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the proper installation, operation, and maintenance of your HELLA 2ZR 001 421-101 Reversing Light. This product is designed as a surface-mount reversing light, featuring a single lighting function and conforming to E1 8750 standards. It uses a C21W incandescent lamp type (bulb not included).



2. SAFETY INSTRUCTIONS

- Always disconnect the vehicle's battery before beginning any electrical work to prevent short circuits and electrical shock.
- Ensure all wiring connections are secure and properly insulated to prevent corrosion and electrical faults.
- Use appropriate tools for installation.
- Verify that the mounting surface is clean, dry, and structurally sound.
- Consult a qualified automotive technician if you are unsure about any installation steps.
- This product is designed for 12V vehicle electrical systems. Do not connect to other voltage systems.

3. PACKAGE CONTENTS

The package for the HELLA 2ZR 001 421-101 Reversing Light typically includes:

- 1x HELLA 2ZR 001 421-101 Reversing Light unit
- Mounting hardware (screws, washers, etc. - specific items may vary)
- *Note: The C21W incandescent bulb is not included and must be purchased separately.*

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your reversing light:

1. **Choose Mounting Location:** Select a suitable flat surface at the rear of the vehicle for surface mounting. Ensure it complies with local regulations for reversing light placement.
2. **Prepare Mounting Surface:** Clean the chosen area thoroughly. Mark the drilling points for the mounting screws using the light unit as a template.
3. **Drill Holes:** Carefully drill pilot holes for the mounting screws and a larger hole for the wiring to pass through, if necessary. Deburr any sharp edges.
4. **Install Bulb:** Open the light unit (if required) and insert a compatible C21W incandescent bulb (not supplied). Ensure it is seated correctly.
5. **Wire Connection:** Connect the light's wiring to the vehicle's reversing light circuit. Typically, this involves connecting the positive wire of the light to the positive wire of the reversing light circuit and the negative wire to a suitable ground point on the vehicle chassis. Ensure connections are secure and waterproof.
6. **Mount the Light:** Secure the light unit to the vehicle using the provided mounting hardware. Do not overtighten screws.
7. **Test Functionality:** Reconnect the vehicle battery. Engage reverse gear (with the engine off and parking brake on, or vehicle safely supported) and verify that the reversing light illuminates correctly.

5. OPERATING INSTRUCTIONS

The HELLA 2ZR 001 421-101 Reversing Light operates automatically. When properly installed and wired, it will illuminate when the vehicle's transmission is shifted into reverse gear and the ignition is on. It will turn off when reverse gear is disengaged.

6. MAINTENANCE

- **Cleaning:** Periodically clean the lens of the reversing light with a soft cloth and mild soap and water to ensure maximum light output. Avoid abrasive cleaners.
- **Bulb Replacement:** If the light stops working, the C21W bulb may need replacement. Disconnect the vehicle battery, carefully open the light unit, remove the old bulb, and insert a new C21W bulb. Ensure the new bulb is correctly seated before reassembling the unit.
- **Inspection:** Regularly check the mounting and wiring for any signs of damage, corrosion, or looseness.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not illuminate	Blown bulb	Replace C21W bulb
	Loose or corroded wiring connection	Check and secure all wiring connections
	Blown fuse in vehicle's circuit	Inspect and replace vehicle fuse
	Faulty reverse switch	Consult a technician to check the reverse switch
Light flickers or is dim	Poor electrical connection	Check and clean all connections
	Corroded bulb contacts	Clean or replace bulb
	Low voltage supply	Verify vehicle's electrical system voltage

8. SPECIFICATIONS

Model Number	2ZR 001 421-101
Brand	HELLA
Lighting Function	1 - Reversing Light
Lamp Type	C21W (bulb not included)
Conformity Mark	E1 8750 / ECE
Mounting Type	Surface Mount
Dimensions (L x W x H)	15 x 10 x 13 cm
Weight	79.2 grams
Automotive Part Position	Rear
Assembly Required	No (referring to the light unit itself, not installation)
Number of Items	1

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official HELLA website or contact your authorized HELLA dealer. Keep your purchase receipt as proof of purchase.
HELLA Official Website: www.hella.com



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