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AGP.1978 RE306510, RE161288, RE37450, RE577572

Instruction Manual

20W Cab LED Headlight for Tractors

Brand: AGP.1978 | Model: RE306510, RE161288, RE37450, RE577572

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your new AGP.1978 20W Cab LED Headlight. Please read this manual thoroughly before use to ensure safe and efficient operation and to maximize the lifespan of your product.



Image: The AGP.1978 20W Cab LED Headlight, showcasing its compact rectangular design with clear lens and internal LED elements.

Safety Information

Always observe the following safety precautions to prevent injury or damage to the product:

- Ensure the vehicle's power is off and the battery is disconnected before installation.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- Do not look directly into the LED light when it is illuminated, as it can cause eye strain or damage.
- Verify correct wiring polarity to avoid damage to the light or vehicle electrical system.
- Keep the light away from flammable materials during operation.

Package Contents

Please check the package to ensure all items are present:

- 1 x 20W LED Light
- Mounting Hardware (if applicable, not specified in product data but typical for headlights)

Specifications

Feature	Detail

Brand	AGP.1978
Model	RE306510, RE161288, RE37450, RE577572
Wattage	20 watts
Lumen Output	1440 lumens
Color Temperature	5000K (Natural White)
Special Feature	Waterproof (IP67), Anti-Radio Interference (EMC)
Housing Material	Die-cast Aluminum
Lens Material	Polycarbonate
Dimensions (L x W x H)	5.43 x 2.46 x 1.52 inches (approx. 138 x 62.5 x 38.5 mm)
Vehicle Service Type	Tractor (Compatible with John Deere 7000-8000 series)

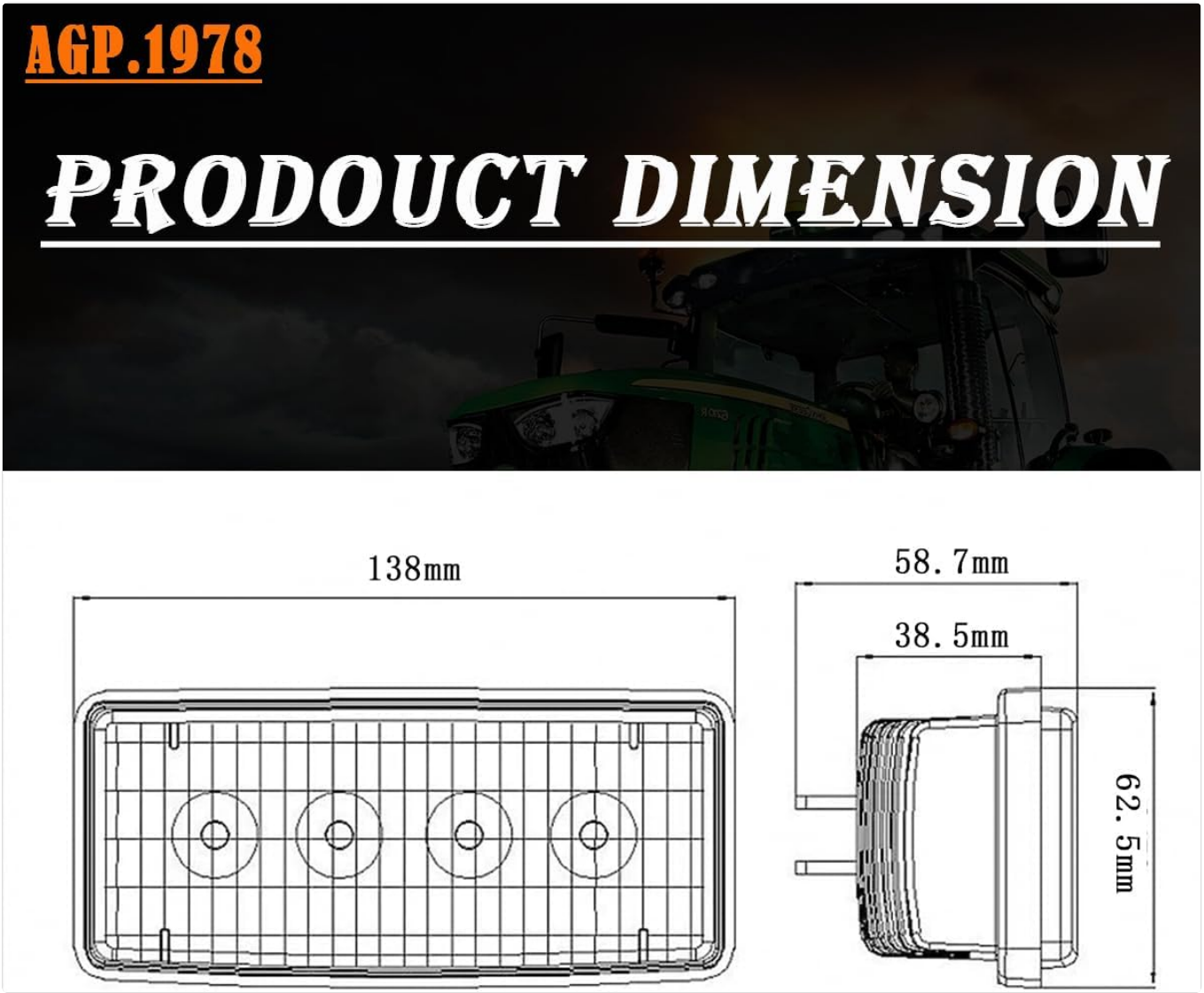


Image: Technical drawing illustrating the precise dimensions of the LED headlight in millimeters and inches.

Setup and Installation

This LED headlight is designed for direct replacement of original headlights on compatible John Deere tractors. Professional installation is recommended.

1. **Preparation:** Ensure the tractor is turned off and the battery is disconnected. Locate the existing headlight assembly to be replaced.
2. **Removal:** Carefully remove the old headlight assembly. Disconnect any wiring harnesses.
3. **Mounting:** Position the new AGP.1978 LED headlight in the designated slot. Secure it using the appropriate mounting hardware. Ensure a snug fit to prevent vibration.
4. **Wiring:** Connect the wiring harness from the new LED headlight to the tractor's electrical system. Pay close attention to positive and negative terminals to ensure correct polarity. This light is designed for 10V-30V systems.
5. **Testing:** Reconnect the battery. Turn on the tractor's lights to verify proper function of the new LED headlight. Adjust the beam angle if necessary for optimal illumination.



Image: A John Deere tractor with the AGP.1978 LED headlights installed and illuminated, demonstrating their bright output.

Operating Instructions

The AGP.1978 20W LED Headlight operates as a direct replacement for your tractor's original headlights. Once installed, it functions with the vehicle's existing lighting controls.

- **Activation:** Turn on your tractor's headlight switch to activate the LED light.
- **Brightness:** The 20W LED provides 1440 lumens of super bright natural white light (5000K), significantly improving visibility during nighttime operations.
- **EMC Function:** The light features an EMC function to minimize radio interference, ensuring clear radio communication while operating.

Maintenance

The AGP.1978 LED Headlight is designed for durability and requires minimal maintenance.

- **Cleaning:** Periodically clean the lens with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners that could scratch the polycarbonate lens.
- **Inspection:** Regularly inspect the mounting hardware and wiring connections to ensure they remain secure and free from corrosion.
- **Durability:** The die-cast aluminum housing and IP67 waterproof rating ensure high performance and a long lifespan, even in harsh agricultural environments. The heat dissipation design helps maintain optimal operating temperature.

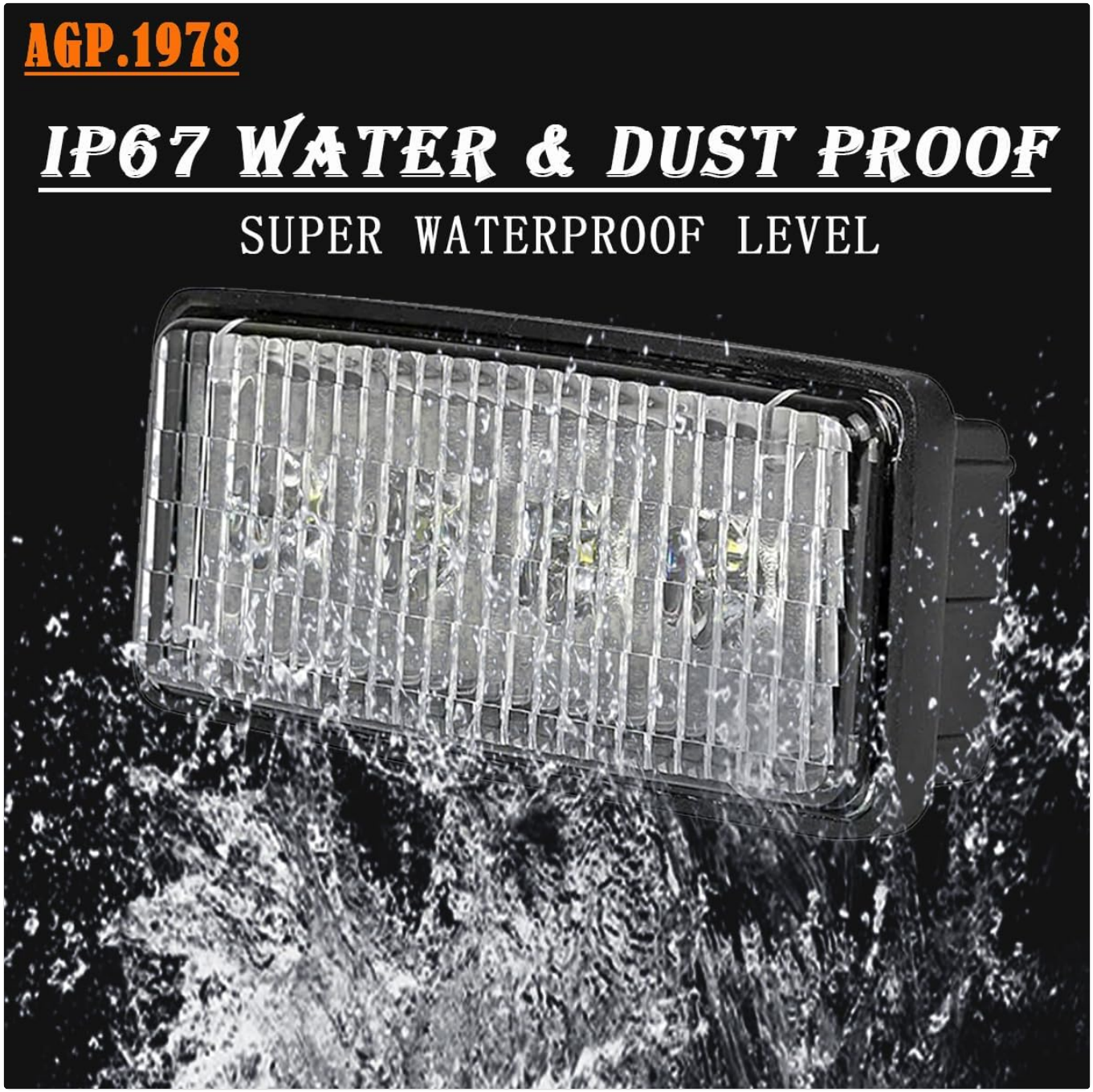


Image: The LED headlight demonstrating its IP67 waterproof capability under a stream of water.



Image: Diagram illustrating the heat dissipation fins on the back of the LED headlight, designed for efficient cooling.

Troubleshooting

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

- **Light Does Not Turn On:**
  - Check all wiring connections for looseness or corrosion.
  - Verify correct polarity (+/-) of the wiring.
  - Ensure the vehicle's electrical system is providing power to the headlight circuit.
  - Check the vehicle's fuse for the headlight circuit.
- **Light Flickers or is Dim:**
  - Inspect wiring for loose connections or damaged insulation.
  - Ensure the voltage supplied is within the 10V-30V operating range.
  - Clean the lens if it is obstructed by dirt or debris.
- **Radio Interference:**
  - While the light has EMC function, ensure all connections are secure and properly grounded.
  - If interference persists, consult with an automotive electrician.

Compatibility

This 20W Cab LED Headlight is specifically designed to be compatible with various John Deere tractor models, including those in the 7000-8000 series. It replaces OEM Part Numbers RE306510, RE161288, RE37450, and RE577572.

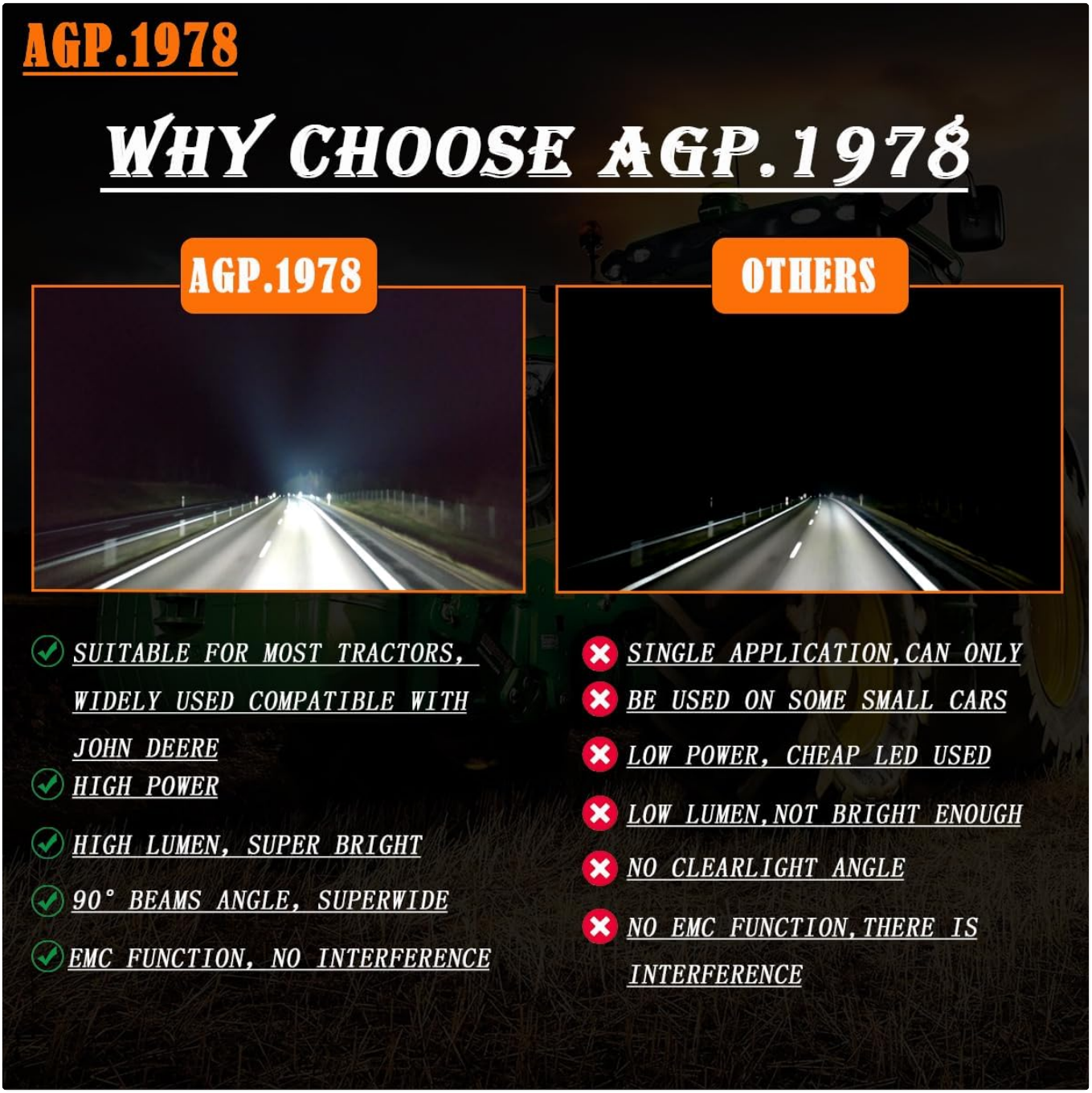


Image: A collage of different John Deere tractor models, illustrating the range of vehicles compatible with this LED headlight.

Warranty and Support

AGP.1978 stands behind the quality of its products. For specific warranty details and support, please refer to the documentation included with your purchase or contact AGP.1978 customer service directly. Ensure you have your product model number and purchase information ready when contacting support.

Note: This product is from a small business brand. Support small.

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