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AlphaRex 880597

AlphaRex PRO-Series Projector Headlights Instruction Manual

Model: 880597

1. PRODUCT OVERVIEW

These AlphaRex PRO-Series Projector Headlights are designed to enhance the lighting performance and aesthetic of your vehicle. They feature a design inspired by 5th generation Ram trucks, adapted for 4th generation compatible models. The headlights incorporate top and bottom white LED Daytime Running Lights (DRL) and a bottom amber sequential turn signal light. An activation light sequence initiates when the vehicle is unlocked. The dual projector design includes an inner projector for the high beam and an outer projector for the low beam. Both low and high beams utilize H7 halogen bulbs.



Image 1.1: Front view of the AlphaRex PRO-Series Projector Headlights, showcasing the integrated DRLs and projector lenses.

2. VEHICLE COMPATIBILITY

These headlights are compatible with the following Dodge Ram models:

- 2009-2018 Ram 1500 (Requires converter for stock projector headlights)
- 2010-2018 Ram 2500 (Requires converter for stock projector headlights)
- 2010-2018 Ram 3500 (Requires converter for stock projector headlights)

Note: Compatibility extends to both dual beam and quad beam models. Vehicles equipped with stock projector headlights will require a converter for proper installation.



Image 2.1: AlphaRex PRO-Series Projector Headlights installed on a compatible Dodge Ram truck, demonstrating their appearance on the vehicle.

3. INSTALLATION GUIDELINES

Installation of these projector headlights typically involves removing the factory headlights and connecting the new units. Due to the complexity of automotive electrical systems and the need for precise alignment, professional installation is highly recommended. Always refer to your vehicle's service manual for specific headlight removal and installation procedures.

Key Installation Considerations:

- **Wiring:** Ensure all electrical connections are secure and correctly matched to your vehicle's wiring harness.
- **Converters:** If your vehicle has stock projector headlights, a converter will be necessary for proper function. Ensure the correct converter is used and installed according to its instructions.
- **Alignment:** After installation, proper headlight alignment is crucial for safe driving and to comply with local regulations. This may require professional adjustment.
- **Sealing:** Verify that the headlights are securely mounted and sealed to prevent moisture intrusion.



Image 3.1: Rear view of the AlphaRex Projector Headlight, illustrating the electrical connectors and access points for bulb replacement.

4. OPERATING INSTRUCTIONS

The AlphaRex PRO-Series Projector Headlights integrate several lighting functions:

- **Daytime Running Lights (DRL):** The white LED light tubes located at the top and bottom of the headlight assembly function as DRLs, providing enhanced visibility during daylight hours.
- **Sequential Turn Signal:** The amber light at the bottom of the headlight provides a sequential turn signal, illuminating in a dynamic pattern to indicate turns.
- **Activation Light:** A unique light sequence activates when you unlock your vehicle, adding a distinctive visual effect.

- **Low Beam:** The outer projector lens provides the low beam illumination, utilizing an H7 halogen bulb.
- **High Beam:** The inner projector lens provides the high beam illumination, utilizing an H7 halogen bulb.

These functions operate automatically with your vehicle's existing lighting controls, provided correct installation.

5. CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your AlphaRex PRO-Series Projector Headlights, follow these maintenance guidelines:

- **Lens Material:** The headlight lenses are made of durable polycarbonate plastic.
- **Anti-Fog Agent:** A layer of anti-fog agent is applied to the lens to improve light output in extreme weather conditions.
- **Protective Coating:** An additional coating protects the lens against yellowing and oxidation over time.
- **Cleaning:** Clean the headlight lenses regularly with a soft cloth and mild automotive soap or a specialized plastic cleaner. Avoid abrasive materials or harsh chemicals that could damage the coatings.
- **Bulb Replacement:** When replacing H7 halogen bulbs, ensure the vehicle's power is off and handle the new bulb by its base to avoid contaminating the glass with oils from your skin.

6. TROUBLESHOOTING

If you experience issues with your AlphaRex PRO-Series Projector Headlights, consider the following general troubleshooting steps:

- **No Illumination:** Check all electrical connections to ensure they are secure. Verify that the bulbs are correctly seated and not burnt out. Inspect fuses related to the vehicle's lighting system.
- **Flickering Lights:** This could indicate a loose connection, a faulty bulb, or an issue with the vehicle's electrical system. Re-check connections and consider professional diagnosis.
- **Moisture Inside Headlight:** Small amounts of condensation can occur due to temperature changes. If excessive moisture or water accumulation is present, check for proper sealing and ensure the vent caps are not obstructed. If the issue persists, professional inspection may be required.
- **Incorrect Light Pattern:** Ensure the headlights are properly aimed. If the pattern is distorted, check for any obstructions or damage to the lens or projector. Professional alignment is recommended.

For persistent issues or complex electrical problems, consult a qualified automotive technician.

7. PRODUCT SPECIFICATIONS

Brand	AlphaRex (Manufacturer), KarParts360 (Distributor)
Model Number	880597
Manufacturer Part Number	TLX-arx880597-CL360A70
UPC	196255772332
Lens Material	Polycarbonate (PC) Plastic
Housing Material	Polypropylene (PP)
Lens Color	Clear
Housing Color	Black
Light Features	Activation Light, DRL (Top and Bottom), Sequential Signal (Bottom)
Feature Color	DRL (White), Signal (Amber)
Light Source	Halogen
Low Beam Bulb Type	H7
High Beam Bulb Type	H7
Item Dimensions (L x W x H)	23.2 x 25.5 x 23.6 inches
Item Weight	23.2 pounds
Safety Rating	DOT Certified, SAE FMVSS108 Compliant

8. IMPORTANT SAFETY INFORMATION

Proposition 65 Warning: This product may expose you to chemicals known to the State of California to cause cancer and reproductive harm. For more information, please visit www.P65warnings.ca.gov.



Image 8.1: California Proposition 65 Warning label.

Always exercise caution when working with automotive electrical systems. Disconnect the vehicle's battery before beginning any installation to prevent electrical shock or damage.

9. WARRANTY AND SUPPORT

This product is covered by the manufacturer's standard warranty. For specific warranty details, claims, or technical support, please refer to the documentation included with your purchase or contact the seller, KarParts360, directly. Ensure you retain your proof of purchase for any warranty inquiries.

For additional information or assistance, you may visit the KarParts360 Store on Amazon.