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› Nilight Headlight Assembly Instruction Manual for 2009-2018 Ram 1500/2500/3500 Quad Headlamp Models

Nilight B092VZR6SJ

Nilight Headlight Assembly Instruction Manual

FOR 2009-2018 RAM 1500/2500/3500 QUAD HEADLAMP MODELS

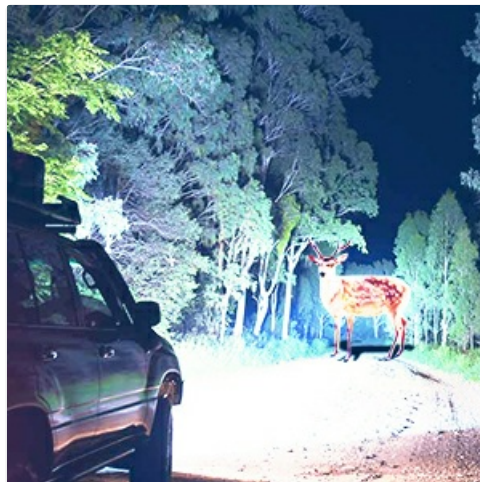
Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Nilight Headlight Assembly. Please read thoroughly before proceeding with installation to ensure proper function and safety.

Compatibility

The Nilight Headlight Assembly is designed for specific vehicle models and factory headlight types:

- Compatible with **2009-2018 Dodge Ram 1500**.
- Compatible with **2010-2018 Dodge Ram 2500/3500**.
- **Important:** Only fits factory quad style halogen headlights.
- **Does NOT fit:** 2010-2018 Dodge Ram models with factory projector LED-style headlights.



This diagram illustrates the correct factory headlight type (two holes for high and low beam) for compatibility with Nilight assemblies, and the incompatible type (one hole for high and low beam).

Product Features

The Nilight Headlight Assembly offers several features designed for performance and durability:

- **Enhanced Visibility:** Provides clearer and longer vision to identify obstacles, improving night driving safety.
- **Waterproof Design:** Constructed from fully sealed ABS plastics, resistant to tensile and impact forces. Completely sealed to prevent moisture intrusion.
- **DOT & SAE Compliant:** Meets Department of Transportation (DOT) and Society of Automotive Engineers (SAE) standards to ensure driving safety.
- **Durable Materials:** Made with upgraded materials that are UV and shock resistant to prevent yellowing or cracking, ensuring a longer lifespan.



A close-up view of the Nilight Headlight Assembly, showcasing its black housing, amber corner reflector, and clear lens. This image represents the product's design.



HIGH-GRADE MATERIAL

Superb material features durability and ensure no flaking and fading



MICRO-PRISM REFLECTORS

Effortless stand out from other cars and catch people's attention at night with hundreds of micro prism, which greatly improves driving safety.

A detailed view of the headlight's construction, emphasizing the high-grade material for durability and the micro-prism reflectors designed to improve visibility and safety.

IP65 WATERPROOF



Fully sealed with solid silicon



One-way Vents

Our headlights structure prevents moisture and works well in any severe weather. no misty problems in all sorts of weather such as heavy rains, snow, dust storms.

This image illustrates the IP65 waterproof feature of the headlight assembly, showing water beading off the lens. It highlights the fully sealed ABS plastics and one-way vents designed to prevent moisture intrusion.

UPGRADE MATERIAL



To meet or exceed the OE ones in function upgraded materials, which are UV & shock resistant to prevent yellowing or cracking for a longer lifespan.



This image emphasizes the upgraded materials used in the headlight assembly, indicating its UV and shock resistance to prevent common issues like yellowing and cracking over time.

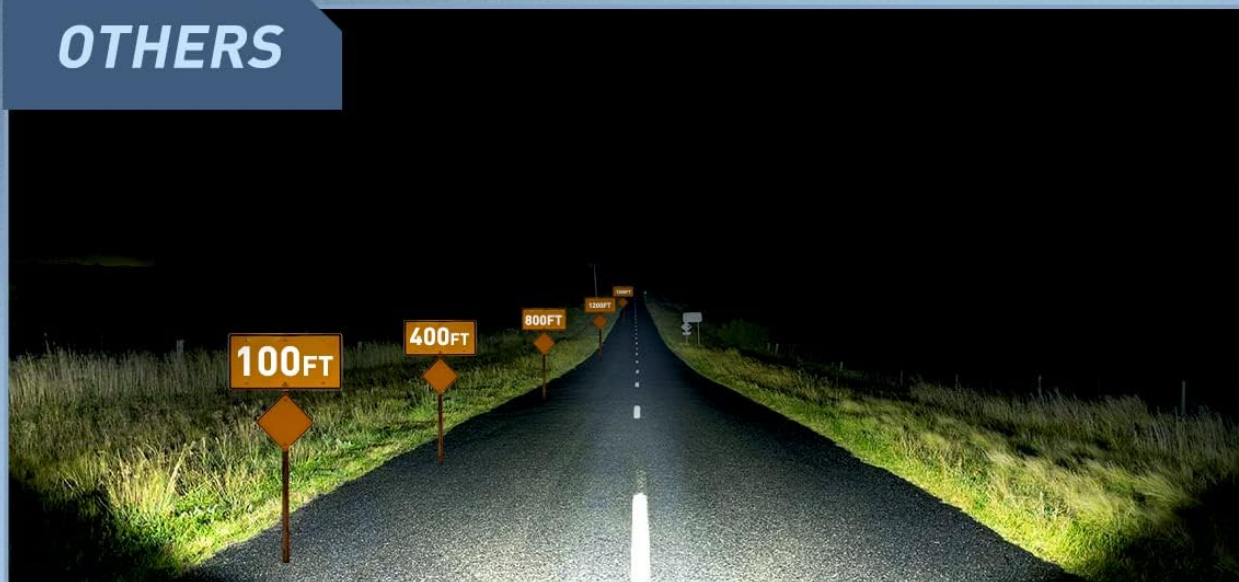
NILIGHT



CLEAR VISIBILITY

The PC lens features higher transmittance than other materials, which provides a clearer & brighter lighting

OTHERS



NOT BRIGHT

Ordinary material, poor light transmittance

A visual comparison showing the superior light output and clear visibility provided by Nilight headlights compared to other brands with less effective light transmittance.

Installation Instructions

The Nilight Headlight Assembly is designed for direct bolt-on OE fitment, requiring no modification or drilling for installation. It is a plug-and-play replacement for your stock unit.

1. **Preparation:** Ensure your vehicle is turned off and the battery is disconnected before beginning installation.
2. **Remove Old Headlight:** Carefully unbolt and disconnect the wiring from your existing headlight assembly.
3. **Install New Headlight:** Position the new Nilight Headlight Assembly into place. Secure it with the original bolts.

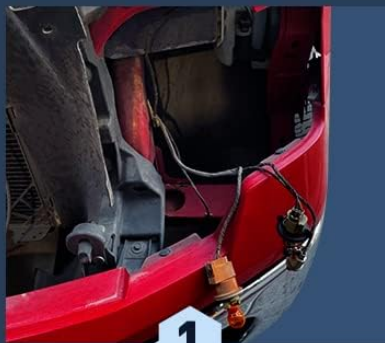
4. **Connect Wiring:** Reconnect the electrical wiring to the new headlight. Ensure all connections are secure.
5. **Adjust Beam Angle:** Use the high/low beam adjuster to set the desired beam angle. This may require fine-tuning after initial installation.
6. **Test Functionality:** Reconnect the battery and test all headlight functions (low beam, high beam, turn signal) to ensure proper operation.

EASY INSTALLATION

No requires Modification or Drilling.



High/Low Beam adjuster
Beam Angle Adjustable



Plug & Play Installation, Direct Bolt-On OE Fitment, or Replacement for the Stock Unit.

This image demonstrates the straightforward installation process, highlighting the high/low beam adjuster for beam angle adjustment. It indicates a plug-and-play, direct bolt-on fitment.

PLEASE DOUBLE CHECK YOUR FACTORY TYPE AND SELECT CORRECT HEADLIGHTS BEFORE PURCHASE



FIT THIS TYPE:

Headlight assembly with two holes for both high beam and low beam



NOT FIT THIS TYPE:

Headlight assembly with only one hole for high beam and low beam

A rear view of the headlight assembly, illustrating the location of the adjustment screws for fine-tuning the beam angle.

Operating Instructions

Once installed, operate your Nilight Headlight Assembly using your vehicle's standard headlight controls. Ensure proper alignment for optimal road illumination and to avoid dazzling oncoming traffic.

- **Low Beams:** Use for general driving, especially in urban areas or when following other vehicles.
- **High Beams:** Activate for maximum illumination on dark roads with no oncoming traffic. Remember to switch to low beams when approaching other vehicles.
- **Turn Signals:** Use your vehicle's turn signal lever to activate the integrated amber turn signal lights when changing lanes or turning.

ULTRA PERFECT "Z-SHAPED" *BEAM PATTERN*



This image compares Nilight's optimized Z-shaped beam pattern, which provides wider vision and anti-glare properties, against a narrower, less effective beam pattern from other headlights.

Maintenance

Regular maintenance ensures the longevity and performance of your headlight assembly.

- **Cleaning:** Clean the headlight lenses regularly with a soft cloth and mild soap solution to remove dirt and debris. Avoid abrasive cleaners that can scratch the lens.
- **Inspection:** Periodically inspect the headlight assembly for any signs of damage, cracks, or moisture intrusion. Address any issues promptly.
- **Bulb Replacement:** If a bulb burns out, replace it with the correct type as indicated below.

BULBS NOT INCLUDED



Low Beam
H11 Bulb



High Beam
9005 Bulb



Turn Signal Light
3157NA bulb

This diagram illustrates the required bulb types for the Nilight Headlight Assembly: H11 for the low beam, 9005 for the high beam, and 3157NA for the turn signal light. Bulbs are not included with the assembly.

Troubleshooting

Problem	Possible Cause	Solution
Headlights not working	Blown fuse, faulty bulb, loose wiring connection.	Check vehicle's fuse box, replace bulbs, inspect and secure wiring connections.

Problem	Possible Cause	Solution
Dim or flickering lights	Weak electrical connection, aging bulbs, insufficient power supply.	Check wiring for corrosion or looseness, replace bulbs, consult a professional for electrical system check.
Moisture inside headlight	Seal compromise, extreme temperature changes (condensation).	Ensure proper installation and sealing. Small amounts of condensation may dissipate naturally. If persistent, inspect for damage or contact support.
Improper beam alignment	Incorrect adjustment during installation.	Re-adjust the high/low beam adjusters as needed. Refer to your vehicle's manual for specific alignment procedures.

Product Specifications

Brand: Nilight
Model: B092VZR6SJ
Color: Black Housing + Amber Reflector
Light Source Type: Halogen
Vehicle Service Type: Car
Compatible Years: 2009-2018 (Ram 1500), 2010-2018 (Ram 2500/3500)
Special Feature: Waterproof
Voltage: 12 Volts (DC)
Wattage: 24.96 watts
Auto Part Position: Front
Lens Material: ABS
Lens Color: Clear
GTIN/UPC: 812227033231
Manufacturer: Nilight

What's in the Box

- 1 x Driver's Side Headlight Assembly
- 1 x Passenger's Side Headlight Assembly
- *Note: Bulbs are NOT included. Please purchase H11 (low beam), 9005 (high beam), and 3157NA (turn signal) bulbs separately.*

Warranty and Support

This Nilight Headlight Assembly comes with a **2-Year Warranty** from the manufacturer. For technical assistance, warranty claims, or any product-related inquiries, please contact Nilight customer support through their official website or the retailer where the product was purchased.

For more information, visit the [Nilight Store on Amazon](#).