

Manuals.plus /

› VLAND /

› VLAND Dual Beam Projector Headlights for Ford F-150 (2021-2023) User Manual

VLAND YAA-F150-2054A

VLAND Dual Beam Projector Headlights for Ford F-150 (2021-2023)

Model: YAA-F150-2054A

1. INTRODUCTION

Thank you for choosing VLAND Dual Beam Projector Headlights. This manual provides essential information for the proper installation, operation, and maintenance of your new headlights. Please read these instructions carefully before proceeding with installation or use to ensure optimal performance and safety.

2. VEHICLE FITMENT

These VLAND Dual Beam Projector Headlights are compatible with the 14th generation Ford F-150 Pickup Truck models from 2021, 2022, and 2023. They are designed to fit vehicles originally equipped with:

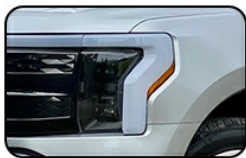
- Factory Halogen Headlights
- Factory LED Reflector Headlights
- Factory LED Projector Headlights

Important: These headlights are NOT compatible with Ford F-150 Lightning (Battery Electric) models.

FOR F150 OWNERS IMPORTANT FITMENT INFO



PRODUCT WILL FIT: Halogen/Reflector/LED Headlight Model



PRODUCT WILL NOT FIT: F-150 Lightning Headlight Model

Figure 2.1: Vehicle Fitment Information

The image above illustrates the compatible and incompatible vehicle types. Ensure your vehicle matches the compatible models before proceeding with installation.

3. FEATURES

Your VLAND Dual Beam Projector Headlights come equipped with advanced features for enhanced visibility and durability:

- **Dual Beam Projector Lenses:** Provides both high and low beam functions from a single projector.
- **Full LED Diamond White DRL:** Bright white Daytime Running Lights for increased daytime visibility.
- **Amber Turn Signal:** Integrated amber LED turn signals.
- **Plug and Play Design:** Engineered for direct replacement of OEM lights with the same wires and connections.
- **Durable Construction:** Weatherproof, shockproof, and dustproof for reliable performance in various conditions.
- **Thoroughly Tested:** Each assembly is tested for functional operation and sealed to prevent moisture intrusion.
- **Voltage:** 12 Volts (DC)
- **Wattage:** 55 watts

> THOROUGHLY TESTED

Before it goes in the box, each fiber optic LED headlight assembly is thoroughly tested to ensure it is functional and will keep you driving in style for miles to come.



> LED DISPLAY

VLAND LED headlights equipped with fiber optic cables, illuminated with supremely durable and efficient LED light bars, provide a supremely bright neon-like glow.



> NOTE:

DRL - White Led Lighting
High/Low Beam - Led
Extra Plug - Need to Connect the Plug for DRL&Turn Signal on General Editions



Figure 3.1: LED Display and Testing Information

The headlights feature a modern fiber optic style for a distinct appearance and are designed for long-lasting performance.



Figure 3.2: Durability Features

The robust construction ensures the headlights withstand various environmental challenges.

4. SETUP AND INSTALLATION

While these headlights are designed for easy mounting, professional installation is highly recommended due to the complexity of vehicle disassembly required.

4.1. Pre-Installation Notes

- **Re-use Stock Bulbs:** Please re-use the stock bulbs for the turn signal light.
- **Side Markers:** If converting from halogen to LED, and you want the side markers to function, a separate piggyback wire must be attached to your fuse box and routed to both headlights.
- **Vehicle Disassembly:** To remove the original headlights, you must remove the trim on top of the radiator, the trim piece between the grill and the bumper, and the entire grill, including the active air vents in the front.

4.2. Installation Steps (General Overview)

1. Safely park your vehicle on a level surface and engage the parking brake.
2. Disconnect the negative terminal of your vehicle's battery.
3. Carefully remove the necessary trim pieces, grill, and active air vents as described in Section 4.1 to access the original headlight assemblies.
4. Disconnect the wiring harnesses and remove the original headlights.
5. Install the new VLAN D headlights, ensuring all connections are secure. Re-use stock turn signal bulbs as instructed.
6. For side marker functionality (if applicable), connect the piggyback wire to the fuse box and route it to the headlights.
7. Reassemble the vehicle's front components in reverse order.
8. Reconnect the battery.
9. Test all light functions (DRL, low beam, high beam, turn signals, side markers) before driving.
10. Perform beam alignment as needed (refer to Section 7.1).

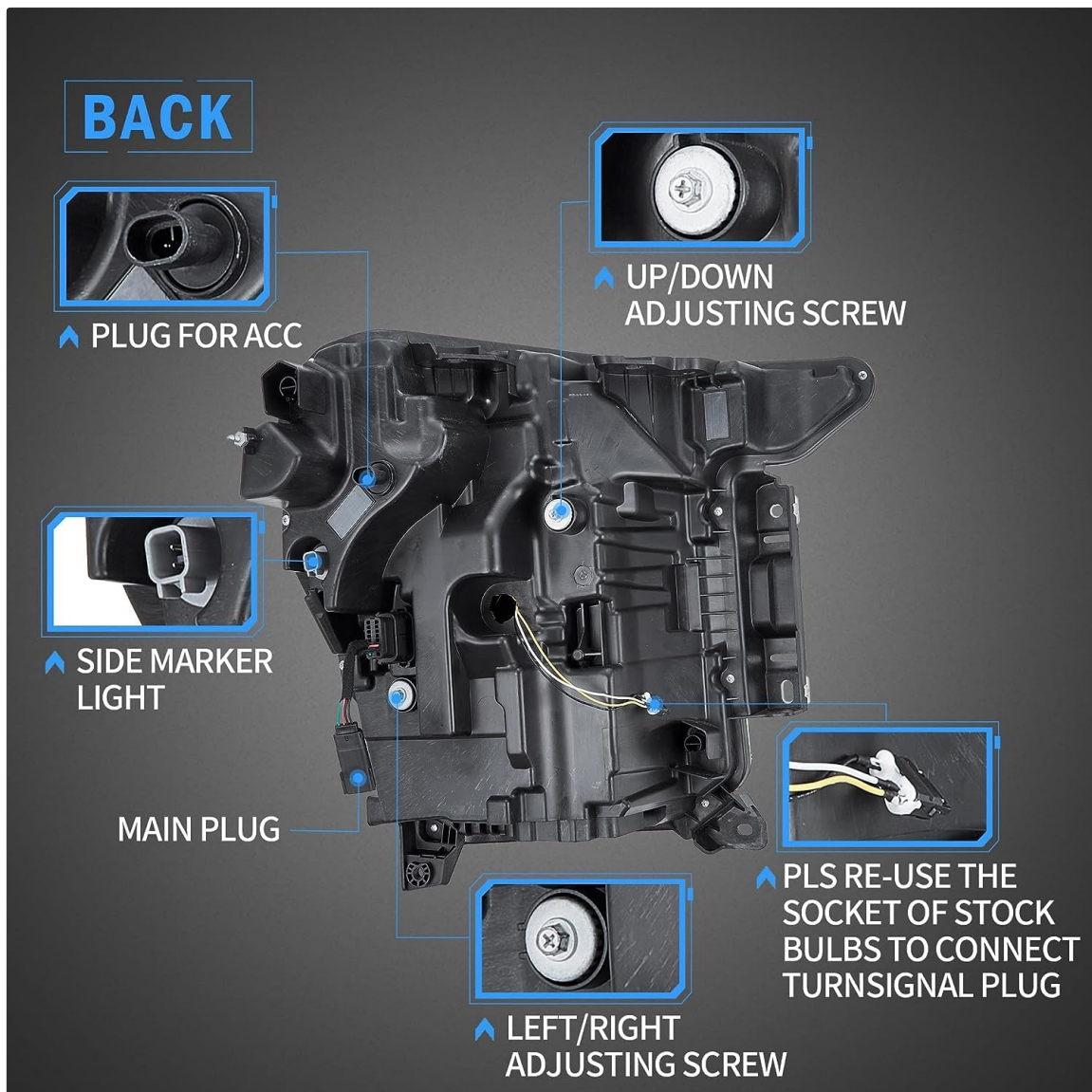


Figure 4.1: Rear View of Headlight Assembly with Connection Points

The image above highlights key connection points and adjustment screws on the rear of the headlight assembly.

4.3. Installation Videos

Video 4.1: VLAN D Dual Beam Headlight Assembly Fit for Ford F150 2021. This video demonstrates the fitment and

some aspects of the installation process for the VLAND Dual Beam Headlight Assembly on a Ford F150 2021 model.

Video 4.2: 14th Gen F150 Headlights (for Low & Medium configuration). This video provides a display of the 14th generation F150 headlights, which can be helpful for understanding the product's appearance and functionality during installation.

5. OPERATING INSTRUCTIONS

Your VLAND Dual Beam Projector Headlights offer several lighting functions:

- **Daytime Running Lights (DRL):** These white LED lights activate automatically when the vehicle is running, enhancing visibility during daylight hours.
- **Low Beam:** Provides standard illumination for night driving, designed to avoid dazzling oncoming traffic.
- **High Beam:** Offers maximum illumination for clear visibility on unlit roads.
- **Turn Signal:** Amber LED lights indicate your intended turns or lane changes.
- **Side Marker Light:** Amber lights on the side of the assembly for additional visibility.



Figure 5.1: Headlight Functions Display

The image above illustrates the various lighting modes of the headlight assembly.

5.1. Operation Videos

Video 5.1: VLAND OFFICIAL - Display of the Headlights. This video showcases the various lighting functions and animations of the VLAND headlights.

Video 5.2: VLAND Headlights for Ford F150 2021. This video demonstrates the operational features of the VLAND headlights specifically for the Ford F150 2021 model.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your VLAND headlights.

6.1. Cleaning

Clean the headlight lenses regularly with a soft cloth and mild soap solution. Avoid abrasive cleaners or harsh chemicals that can damage the lens material.

6.2. Addressing Moisture/Condensation

It is normal for some moisture or condensation to appear inside headlight assemblies under certain conditions, such as temperature fluctuations. This typically clears on its own.



Figure 6.1: Understanding Headlight Moisture

The image above explains common reasons for moisture inside headlight assemblies.

HOW DO I CLEAR FOGGY HEADLIGHTS/TAILLIGHTS?

✓ One of the first suggestions you'll read or hear will be applying heat to the assemblies. You can use a hairdryer or a heat gun to up the lenses, hoping that the condensation then dries out.

✓ If you don't have a heating element, you can also try using the sun. Remove the headlight bulbs and the dust cap and park in direct sunlight to recreate the same effects from above.



✓ If you're trying to combat condensation in a place without a lot of sunlight or natural heat to help, the next best solution is to keep the vehicle away from water. This includes when it rains or even taking it through a car wash. Let the headlights/taillights dry out on their own time.

Figure 6.2: Clearing Foggy Headlights

If condensation persists, you can try the following methods:

- **Apply Heat:** Use a hairdryer or heat gun on a low setting to gently warm the lenses, helping the condensation evaporate.
- **Sunlight Exposure:** Remove the headlight bulbs and dust caps, then park the vehicle in direct sunlight.
- **Natural Drying:** Keep the vehicle away from water (rain, car washes) and allow the headlights to dry out naturally over time.

7. TROUBLESHOOTING

7.1. Beam Alignment

After installation, it is crucial to adjust the tilt and pitch of the headlights to ensure proper beam pattern and avoid blinding other drivers. This can be challenging, and professional assistance is recommended for precise alignment. Adjustment screws are located on the rear of the headlight assembly (refer to Figure 4.1).

7.2. Persistent Moisture

If moisture or condensation does not clear using the methods described in Section 6.2, or if water ingress is significant, inspect the seals around the headlight assembly for any damage or improper seating. Ensure all caps and covers are securely in place.

7.3. Defective Lights

If you experience issues such as uneven beam patterns, colored spots, or non-functional lights, please contact customer support immediately. Provide the product label, video, and picture proof clearly showing the defect for assistance.

8. SPECIFICATIONS

Attribute	Detail
Manufacturer	VLAND
Model Number	YAA-F150-2054A
Vehicle Fitment	Ford F150 2021-2023 (All models except F150 Lightning)
Position	Front
Bulb Type	LED
Voltage	12 Volts (DC)
Wattage	55 watts
Lens Material	Polycarbonate
Special Features	Amber Turn Signal, Full LED Diamond White DRL, Easy Installation, Plug and Play, Weatherproof, Shockproof, Dustproof

9. WARRANTY AND SUPPORT

Please retain all boxes, labels, and this user manual when you receive your package. In the event that merchandise is damaged, becomes defective, or needs to be returned, please contact VLAND customer support. You will need to provide the product label, along with video and picture proof that clearly shows the defect.

The standard return policy allows for returns within 30 days of purchase for a refund or replacement.