

## Morimoto LF532.2-A-ASM

# Morimoto XB LED Headlights for Toyota Tundra (2014-2021)

MODEL: LF532.2-A-ASM

## 1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Morimoto XB LED Headlight Assemblies, model LF532.2-A-ASM. These headlights are designed for Toyota Tundra vehicles manufactured between 2014 and 2021. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Image 1.1: Pair of Morimoto XB LED Headlight Assemblies, showcasing the amber DRL strip and projector lenses.

## 2. Safety Information

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage.
- Wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- If you are unsure about any step of the installation process, consult a qualified automotive technician.
- Do not modify the headlight assemblies. Unauthorized modifications may void the warranty and compromise safety.

### 3. Package Contents

Verify that all components are present and undamaged before beginning installation:

- Morimoto XB LED Headlight Assembly (Left)
- Morimoto XB LED Headlight Assembly (Right)
- Wiring Harnesses (Pre-attached or separate, as applicable)
- Installation Guide (This document)

### 4. Specifications

Feature	Detail
Brand	Morimoto
Model	XB (LF532.2-A-ASM)
Vehicle Compatibility	Toyota Tundra (2014-2021)
Light Source Type	LED
Lens Color	Amber (DRL)
Lens Material	Polycarbonate
Wattage	31.2 watts
Voltage	12 Volts
Special Feature	Waterproof
Installation Type	Plug and Play

### 5. Setup and Installation

The Morimoto XB LED Headlights are designed for a direct "plug and play" installation, minimizing the need for complex wiring or modifications. However, basic automotive knowledge and tools are recommended. If you are not comfortable performing this installation, professional assistance is advised.

1. **Preparation:** Park your vehicle on a level surface, engage the parking brake, and turn off the engine. Disconnect the negative terminal of the vehicle's battery.
2. **Access Old Headlights:** Depending on your specific Toyota Tundra model year (2014-2021), you may need to remove the front grille, bumper cover, or fender liners to access the headlight mounting

bolts. Refer to your vehicle's service manual for precise removal instructions.

3. **Remove Old Headlights:** Unbolt the existing headlight assemblies. Carefully disconnect all electrical connectors from the back of the old headlights. Remove the old headlight units from the vehicle.
4. **Install New Headlights:** Connect the wiring harness of the Morimoto XB LED Headlights to the vehicle's factory connectors. Ensure all connections are secure. Carefully position the new Morimoto XB LED Headlight Assemblies into the vehicle's headlight openings.
5. **Secure Headlights:** Reinstall the mounting bolts to secure the new headlight assemblies. Do not overtighten.
6. **Reassemble Vehicle:** Reinstall any removed grille, bumper cover, or fender liners.
7. **Reconnect Battery:** Reconnect the negative terminal of the vehicle's battery.
8. **Initial Test:** Turn on your vehicle's lights (DRL, low beam, high beam, turn signals) to ensure all functions are operating correctly.
9. **Aiming Adjustment:** Proper headlight aiming is crucial for safety and compliance. The Morimoto XB LED Headlights feature both horizontal and vertical adjusters.



Image 5.1: Rear view of the headlight assembly, indicating the locations of the horizontal and vertical adjustment screws.

Use a Phillips head screwdriver or appropriate tool to adjust the beam pattern.

For optimal beam pattern and to avoid blinding oncoming traffic, it is recommended to have your headlights professionally aimed after installation.

## 6. Operating Instructions

The Morimoto XB LED Headlights integrate seamlessly with your vehicle's existing lighting controls.

- **Daytime Running Lights (DRL):** The amber LED DRL strip will illuminate automatically when the vehicle is running, depending on your vehicle's factory DRL settings.

- **Low Beam:** Activate your vehicle's low beam function using the standard headlight switch. The projector lenses will provide a focused, wide beam pattern for general driving.
- **High Beam:** Activate your vehicle's high beam function using the standard headlight switch. The high beam will provide additional illumination for maximum visibility.
- **Turn Signals:** The integrated amber turn signals will function in conjunction with your vehicle's turn signal stalk.



Image 6.1: Toyota Tundra with Morimoto XB LED Headlights installed, demonstrating the integrated design and appearance.

## 7. Maintenance

Morimoto XB LED Headlights are designed for durability and minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Clean the headlight lenses regularly with a soft cloth and mild automotive soap or glass cleaner. Avoid abrasive cleaners or harsh chemicals that could damage the polycarbonate lens material.
- **Inspection:** Periodically inspect the headlight assemblies for any signs of damage, loose connections, or moisture intrusion. Address any issues promptly.
- **Bulb Replacement:** The LED components are designed for long life and are not user-replaceable. If an LED fails, the entire assembly may need servicing or replacement.

## 8. Troubleshooting

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

- **Headlights Not Illuminating:**
  - Check all electrical connections to ensure they are securely plugged in.
  - Verify that the vehicle's fuses related to the headlights are intact and not blown.



- Ensure the vehicle's battery is properly connected and charged.
- **Flickering or Intermittent Operation:**
  - Inspect wiring for loose connections or damaged insulation.
  - Ensure proper grounding.
- **Moisture Inside Lens:**
  - Small amounts of condensation can occur due to temperature changes and typically dissipate.
  - If significant water accumulation or persistent condensation is present, inspect the housing for cracks or improper sealing. Contact support if the issue persists.
- **Incorrect Beam Pattern:**
  - Refer to Section 5 (Setup and Installation) for aiming adjustment instructions.
  - Ensure headlights are securely mounted and not loose.

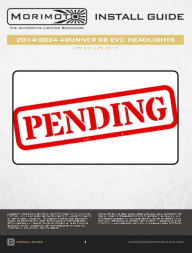

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact Morimoto customer support.



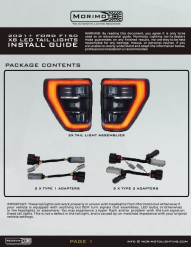

## 9. Warranty and Support

Morimoto products are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Morimoto website. For technical support, parts, or warranty claims, please contact Morimoto customer service through their official channels.

**Contact Information:** Please visit [www.morimotohid.com](http://www.morimotohid.com) for the most up-to-date support information.

## Related Documents - LF532.2-A-ASM

	<p><a href="#">Morimoto XB EVO Headlights Installation Guide for 2014-2024 Toyota 4Runner</a></p> <p>Comprehensive installation guide for Morimoto XB EVO LED headlights on 2014-2024 Toyota 4Runner models. Includes step-by-step instructions, tool requirements, and wiring details for a successful upgrade.</p>
	<p><a href="#">2016+ Toyota Tacoma XB LED Headlights Installation Guide</a></p> <p>A comprehensive installation guide for the Morimoto XB LED Headlights for the 2016 and newer Toyota Tacoma models. This guide details the package contents and provides step-by-step instructions for removing factory headlights and installing the new LED units, including wiring and aiming.</p>

	<p><a href="#">Morimoto XB Headlights Install Guide for 2016-2021 Honda Civic</a></p> <p>Comprehensive installation guide for Morimoto XB LED Headlights (LF2-473) for the 2016-2021 Honda Civic. Covers disassembly, installation, and aiming procedures.</p>
	<p><a href="#">Morimoto XB Hybrid LED Headlights LF556.2 Installation Guide for Ford Super Duty (2020-2022)</a></p> <p>Step-by-step installation guide for Morimoto XB Hybrid LED Headlights (LF556.2) for Ford F-250, F-350, F-450 Super Duty trucks (2020-2022). Includes parts, tools, and troubleshooting.</p>
	<p><a href="#">2021+ Ford F-150 XB LED Tail Lights Installation Guide by Morimoto</a></p> <p>A comprehensive installation guide for Morimoto XB LED Tail Lights for the 2021 and newer Ford F-150. This guide covers installation for OEM LED, OEM Incandescent with BLIS, and OEM Incandescent without BLIS configurations, along with instructions for installing the optional Boost Bar License Plate Light. Includes required tools and troubleshooting tips for turn signal errors.</p>
	<p><a href="#">Morimoto XB LED Tail Lights Install Guide for Toyota 4Runner (2010-2024)</a></p> <p>Comprehensive installation guide for Morimoto XB LED Tail Lights (Gen II) and optional Boost Bar for Toyota 4Runner models (2010-2024). Includes package contents, tools required, and step-by-step instructions with detailed image descriptions.</p>