

ASVEGEN ASVZW12208-us

LED Tail Light Assembly User Manual

For Toyota Camry XV70 2018-2023 8th Gen

Brand: ASVEGEN

1. INTRODUCTION

Welcome to the user manual for your new ASVEGEN LED Tail Light Assembly. This manual provides essential information for the proper installation, operation, and maintenance of your tail lights. Please read it thoroughly before installation to ensure safe and correct usage, and keep it for future reference.

2. PRODUCT OVERVIEW

The ASVEGEN LED Tail Light Assembly is specifically designed for the Toyota Camry XV70 8th Gen (2018-2023) models. These aftermarket lights are engineered to uplift the appearance of your vehicle's exterior with superior bright LED lights, enhancing both aesthetics and safety.

Key Features:

- Sequential LED tail lights with stylish sequence start-up animation.
- Upgraded full LED design, no extra bulbs needed.
- High-intensity ultra-bright LED technology for superior illumination and visibility.
- IP68 waterproof rating for durability in various weather conditions.
- Made from high-quality ABS housing and smoked PMMA lens.
- Plug and play installation, requiring no modification.
- Meets U.S. regulations.

Components:

- A pair of LED Tail Light Assemblies (Left and Right)

Product Visuals:

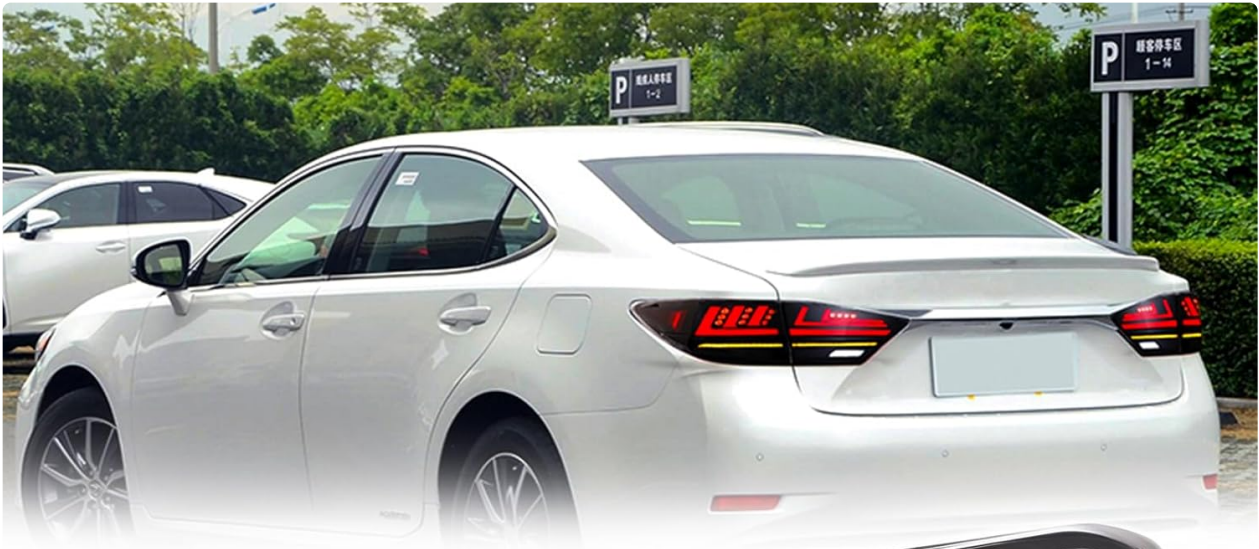


Figure 2.1: Overview of the ASVEGEN LED Tail Light Assembly.



FITMENT

Fit for Toyota Camry 8th Gen XV70 2018-2023

For Toyota Camry LE 2018-2023

For Toyota Camry SE 2018-2023

For Toyota Camry XLE 2018-2023

For Toyota Camry XSE 2018-2023

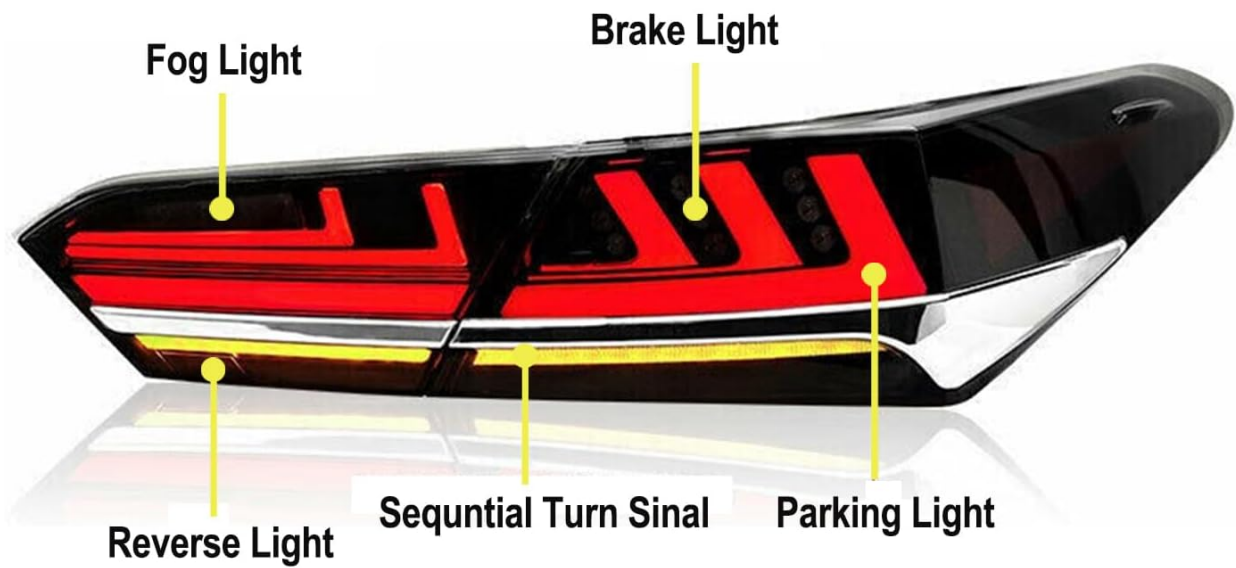
For Toyota Camry TRD 2018-2023

Figure 2.2: Compatibility details for Toyota Camry 8th Gen XV70 models from 2018-2023, including LE, SE, XLE, XSE, and TRD trims.



Figure 2.3: Visual comparison showing the vehicle's rear before and after the installation of the new LED Tail Light Assemblies.

Lighting Functions



Back Details

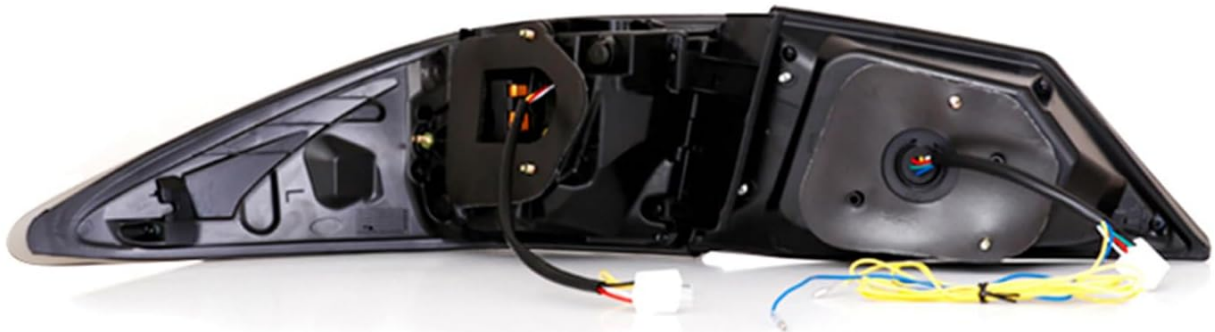


Figure 2.4: Detailed diagram illustrating the various lighting functions of the tail light assembly, including Fog Light, Brake Light, Sequential Turn Signal, Parking Light, and Reverse Light.



Wiping Turn Indicator



Sequential Turn Signal



Figure 2.5: Illustration of the dynamic wiping and sequential turn indicator functionality of the tail lights.

3. SPECIFICATIONS

Specification	Detail
Brand	ASVEGEN
Model	ASVZW12208-us
Light Source	LED
Housing Color	Smoked lens
Material	ABS+PMMA+Aluminum
Waterproof Rate	IP68
Wattage	20 watts
Item Weight	12.07 pounds
Package Dimensions	24.98 x 21.12 x 8.79 inches
Vehicle Service Type	Car
Compatible Years	2018-2023
OE Part Numbers	81550-06A20, 81550-06A30, 81560-06720, 81560-06850, 81550-06850, 81550-06720, 81560-06840, 81550-06840, 81550-06730, 81560-06730, 81551-33670, 81551-33710, 81561-33670, 81561-33710, 81591-33370, 81590-06630, 81590-06620

4. SETUP AND INSTALLATION

The ASVEGEN LED Tail Light Assembly is designed for a straightforward plug-and-play installation, meaning no complex modifications are typically required. However, professional installation is always recommended for optimal results and safety.

Pre-Installation Checklist:

- Ensure your vehicle is turned off and the battery is disconnected before starting.
- Gather necessary tools (e.g., screwdriver set, trim removal tools, socket wrench).
- Inspect the new tail light assemblies for any shipping damage.
- Refer to your vehicle's service manual for specific tail light removal procedures.

Installation Steps:

1. Open the trunk and locate the access panels for the tail light assembly.
2. Carefully remove any retaining clips or screws holding the interior trim panel.
3. Disconnect the electrical connectors from the existing tail light assembly.
4. Unbolt and remove the old tail light assembly from the vehicle.

5. Align the new ASVEGEN LED Tail Light Assembly with the mounting points.
6. Secure the new assembly with the original bolts/screws.
7. Connect the electrical harness of the new tail light assembly. Ensure connections are secure.
8. Test all lighting functions (brake lights, turn signals, parking lights, reverse lights) before reassembling the interior trim.
9. Reinstall the interior trim panels and reconnect the vehicle battery.

Installation Video:

Your browser does not support the video tag.

Video 4.1: Demonstration of the LED Tail Lights for Toyota Camry XV70 8th Gen 2018-2023, showcasing their functionality and appearance after installation. This video provides a visual guide to the product's features.

5. OPERATING INSTRUCTIONS

Once installed, your ASVEGEN LED Tail Light Assembly operates automatically with your vehicle's existing lighting system. The advanced LED technology provides immediate and bright illumination for enhanced safety and visibility.

Lighting Functions:

- **Brake Lights:** Illuminate brightly when the brake pedal is pressed, signaling deceleration to following vehicles.
- **Sequential Turn Signals:** Activate with a dynamic, flowing animation in the direction of the turn, providing a clear and modern indication of your intended movement.
- **Parking Lights:** Provide constant illumination when your vehicle's parking lights are engaged, enhancing visibility when parked or driving in low light conditions.
- **Reverse Lights:** Brightly illuminate when the vehicle is in reverse gear, aiding visibility during backing maneuvers.
- **Start-up Animation:** Features a unique sequential start-up animation each time the lights are turned on, adding a distinctive visual appeal.

6. MAINTENANCE

Your ASVEGEN LED Tail Light Assembly is designed for durability and minimal maintenance. Regular care will help ensure their longevity and optimal performance.

General Care:

- **Cleaning:** Clean the lens surfaces regularly with a soft cloth and mild automotive soap. Avoid abrasive cleaners or harsh chemicals that could damage the lens material.
- **Inspection:** Periodically check the tail lights for any signs of damage, cracks, or loose connections. Ensure all lighting functions are operating correctly.
- **Waterproof Feature:** The lights are IP68 waterproof, meaning they are protected against dust and can withstand immersion in water up to 1.5 meters for 30 minutes. This ensures reliable performance in various weather conditions.

IP68 WATERPROOF



Figure 6.1: The IP68 waterproof rating ensures the tail lights are protected against water and dust, as demonstrated by a car in rainy conditions.

7. TROUBLESHOOTING

If you encounter any issues with your ASVEGEN LED Tail Light Assembly, please refer to the following common troubleshooting steps. If the problem persists, contact customer support.

Common Issues and Solutions:

- **Lights Not Illuminating:**
 - Check all electrical connections to ensure they are securely plugged in.
 - Verify that the vehicle's fuses related to the tail lights are not blown.
 - Ensure the vehicle's battery is properly connected and charged.
- **Flickering Lights:**
 - This could indicate a loose connection. Re-check all wiring harnesses.
 - Ensure the vehicle's electrical system is providing stable voltage.
- **Incorrect Sequential Turn Signal Operation:**
 - Confirm that the wiring for the turn signal is correctly connected according to the installation instructions.
 - Ensure no pins are bent or damaged in the connectors.

- **Condensation Inside Lens:**

- Minor condensation can occur due to temperature changes and usually dissipates. If excessive or persistent, ensure the housing is properly sealed and there are no cracks.

8. WARRANTY AND SUPPORT

ASVEGEN stands behind the quality of its products. Your LED Tail Light Assembly comes with a one-year warranty from the date of purchase, covering manufacturing defects.

Warranty Information:

- **Duration:** One (1) Year from the date of purchase.
- **Coverage:** This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, accident, abuse, misuse, natural disaster, or unauthorized modification.

Customer Support:

For technical assistance, warranty claims, or any questions regarding your ASVEGEN LED Tail Light Assembly, please contact our customer support team. Have your product model number and purchase details ready when contacting us.

Contact Information:

Please refer to the seller's contact information on the platform where you purchased the product, or visit the official ASVEGEN website for support details.