

## LS2 Challenger Carbon GT Carver Helmet

# LS2 Helmets Challenger Carbon GT Carver Helmet User Manual

Model: Challenger Carbon GT Carver Helmet

Manufacturer: LS2 Helmets

## 1. SAFETY INFORMATION

### 1.1 Important Safety Warnings

- This helmet is designed to meet or exceed DOT FMVSS 218 Standard. Always ensure your helmet is properly fastened before riding.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
- Never modify your helmet. Any alteration can compromise its protective capabilities.
- A helmet can only protect if it fits correctly. Refer to the size guide for proper fitting.
- In the event of an impact, even if there is no visible damage, the helmet's protective capacity may be compromised. It is recommended to replace the helmet after any significant impact.

### 1.2 Proper Helmet Fit

A correctly fitting helmet is crucial for safety. The helmet should feel snug all around your head, without excessive pressure points. It should not move freely when you shake your head. The chin strap must be securely fastened.

Refer to the size guide in Section 5.2 for head circumference measurements.

## 2. PRODUCT OVERVIEW

The LS2 Challenger Carbon GT Carver Helmet is engineered for performance and protection, featuring advanced materials and rider-focused design.



Image 2.1: LS2 Challenger Carbon GT Carver Helmet (Blue Carbon variant).

### 2.1 Key Features

- **Shell Construction:** Ultra-light, extra-strong High Performance Fiberglass Composite.
- **Safety Standards:** DOT approved, meets FMVSS 218 Standard.
- **Integrated Sun Shield:** Twin Shield System for easy operation with gloved hands.
- **Fit:** Three shell sizes for optimal fit, long oval shape with multi-density EPS.
- **Emergency Release System:** Padding in the neck and jaw area designed for emergency removal.
- **Ventilation:** Optimized airflow for rider comfort.

## 2.2 Helmet Components

- **Outer Shell:** The primary protective layer.
- **EPS Liner:** Energy-absorbing foam layer.
- **Comfort Liner:** Removable and washable interior padding.
- **Clear Visor:** Main external shield for vision.
- **Internal Sun Shield:** Retractable tinted visor.
- **Ventilation System:** Intake and exhaust vents.
- **Chin Strap:** Retention system for securing the helmet.



Image 2.2: LS2 Challenger Carbon GT Carver Helmet (White/Hi-Vis Yellow variant).

## 3. SETUP

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### 3.1 Initial Inspection

Before first use, carefully inspect your helmet for any signs of damage from shipping. Check that the visor operates smoothly and the chin strap buckle functions correctly.

### 3.2 Visor Installation and Removal

The clear visor can be removed for cleaning or replacement. Consult the quick-release mechanism on the side plates of the helmet. Typically, a lever or button allows the visor to detach. Align the visor tabs with the helmet's slots and press firmly until it clicks into place.

### 3.3 Pinlock Insert Installation

Your helmet may include a Pinlock anti-fog insert. To install:

1. Remove the clear visor from the helmet.
2. Flex the visor slightly to flatten it.
3. Align the Pinlock insert's silicone seal with the visor's inner surface, ensuring the pins fit into the designated holes.
4. Press the insert firmly onto the pins, working from the center outwards, until the silicone seal creates a tight fit around the visor.
5. Ensure there are no gaps between the Pinlock and the visor.

### 3.4 Adjusting Ventilation

The helmet features adjustable vents on the chin and top. Open or close these vents by sliding the respective mechanisms to control airflow. Fully open for maximum ventilation, closed for reduced airflow.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Clear Visor Operation

The clear visor can be opened to various positions or fully closed. Use the tab on the visor to lift or lower it. Ensure the visor is fully closed for maximum protection and to minimize wind noise at higher speeds.

### 4.2 Twin Shield System (Internal Sun Shield) Operation

The internal sun shield is operated by a lever located on the side of the helmet. Slide the lever forward to deploy the sun shield and backward to retract it. This system provides quick eye protection from glare without needing to change visors.

### 4.3 Ventilation System Use

Adjust the chin and top vents according to riding conditions. Opening the vents increases airflow, which can help with cooling and fog prevention. Closing them reduces airflow, useful in colder or wet conditions.

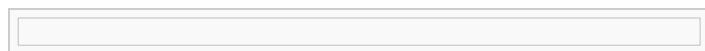


Image 4.1: LS2 Challenger Carbon GT Carver Helmet (Red/Black variant).

## 5. MAINTENANCE AND CARE

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### 5.1 Cleaning the Helmet Shell

Clean the helmet shell with a soft cloth, warm water, and mild soap. Avoid harsh chemicals, solvents, or abrasive cleaners, as these can damage the shell material and finish. Rinse thoroughly and air dry.

### 5.2 Cleaning the Visor and Sun Shield

Remove the visor and sun shield for cleaning. Use warm water and a soft cloth. For stubborn dirt or insects, soak a soft cloth in warm water and place it over the affected area for a few minutes before gently wiping. Do not use abrasive materials or chemical cleaners. Air dry or gently pat dry with a microfiber cloth.

### 5.3 Cleaning and Removing the Interior Liner

The interior comfort liner is removable and washable. Gently detach the liner components from the helmet. Hand wash with mild soap and warm water, or machine wash on a delicate cycle in a laundry bag. Air dry completely before re-installing. Ensure all components are dry to prevent mildew.

### 5.4 Storage

Store your helmet in a cool, dry place away from direct sunlight and extreme temperatures. Use the provided helmet bag to protect it from dust and scratches.

## 6. TROUBLESHOOTING

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- **Whistling Noise from Visor:** If a whistling noise occurs when the clear visor is partially open, ensure it is either fully closed or opened to a stable detent position. Some visor positions may create aerodynamic noise.
- **Sun Shield Not Functioning Smoothly:** Check for any obstructions in the sun shield mechanism. Ensure the lever is clean and free of debris. If the issue persists, contact customer support.
- **Visor Fogging:** Ensure the Pinlock insert is correctly installed and sealed. If fogging still occurs,

slightly open the clear visor to allow more airflow, or utilize the helmet's ventilation system.

- **Helmet Feels Too Tight/Loose:** Refer to the size guide in Section 5.2. If the fit is incorrect, consider trying a different size. Helmet liners can compress slightly over time, but a helmet should always feel snug.

## 7. SPECIFICATIONS

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### 7.1 General Specifications

Feature	Detail
Model Name	Challenger GT Carbon Helmet
Manufacturer Part Number	327-2151
Shell Type	High Performance Fiberglass Composite
Safety Rating	DOT Certified (FMVSS 218)
Helmet Shape	Long Oval
Item Weight	Approximately 6 pounds (varies by size)
Product Dimensions	16 x 12 x 12 inches (packaging)
First Available	November 11, 2019

### 7.2 US LS2 Helmet Size Chart

Brand Size	Head Circumference (in)
X-Small	20 - 20.5
Small	20.9 - 21.3
Medium	21.6 - 22
Large	22.5 - 22.9
X-Large	23.3 - 23.6
2X-Large	24 - 24.4
3X-Large	24.8 - 25.3

## 8. WARRANTY AND SUPPORT

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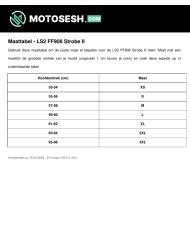
### 8.1 Warranty Information

LS2 Helmets typically offer a 5-year warranty against defects in materials and workmanship. This warranty covers manufacturing defects but does not cover damage caused by misuse, accidents, modifications, or normal wear and tear. Please retain your proof of purchase for warranty claims.

### 8.2 Customer Support

For further assistance, warranty claims, or inquiries regarding your LS2 Challenger Carbon GT Carver Helmet, please contact LS2 Helmets customer support through their official website or authorized dealers. Provide your helmet model and purchase details for efficient service.

## Related Documents - Challenger Carbon GT Carver Helmet

	<p><a href="#">LS2 Helmets User Manual: Care, Use, and Safety Guide</a></p> <p>Comprehensive user manual for LS2 helmets, covering sizing, fitting, usage instructions, safety recommendations, and maintenance. Ensure optimal protection and longevity for your LS2 helmet.</p>
	<p><a href="#">LS2 Helmets User Manual: Safety, Fit, and Care</a></p> <p>Comprehensive user manual for LS2 helmets, covering sizing, fitting instructions, safety recommendations, cleaning, maintenance, and care to ensure optimal protection and longevity.</p>
	<p><a href="#">Maattabel LS2 FF908 Strobe II Helm: Vind de Juiste Maat</a></p> <p>Vind de perfecte pasvorm voor uw LS2 FF908 Strobe II helm met onze gedetailleerde maattabel. Meet uw hoofdomtrek en kies de juiste EU-maat van XS tot 3XL.</p>
	<p><a href="#">LS2 Intercom Spectrum Pocket Guide</a></p> <p>A concise pocket guide for the LS2 Intercom Spectrum, detailing operations for power, pairing with phones, GPS, TFT devices, and other intercoms, as well as volume adjustment, language selection, intercom functions, phone calls, music playback, and music sharing.</p>
	<p><a href="#">LS2 Intercom Spectrum User Guide</a></p> <p>Comprehensive guide to operating the LS2 Intercom Spectrum, including pairing, volume adjustment, language settings, and intercom/phone functions.</p>



#### [LS2 X Pocket Guide: Comprehensive User Manual](#)

A detailed pocket guide for the LS2 X communication system, covering setup, features, and operation. Includes instructions for Bluetooth intercom, music playback, radio functions, phone calls, and voice commands.