



# MARINE ROADGUARD OPERATOR MANUAL

## FOR WINDSHIELD PROTECTION SYSTEM (WPS)

### SAFETY FIRST

Your safety and the protection of your vessel are our top priorities. Always follow the instructions in this manual.

### CAUTION

Failure to follow the cautions in this manual may result in damage to the product, your vessel, or other property. Such damage is not covered under the limited warranty.

### WARNING

Failure to follow the warnings in this manual may result in personal injury, property damage, or death. Improper use, installation, handling, or storage can void the limited warranty and release the manufacturer from all liability.

### IMPORTANT NOTICE

The Marine RoadGuard Windshield Protection System (WPS) is designed and intended for transport use only. It is not designed or intended for use while the vessel is stored, moored, anchored, or left unattended.

- Always remove the WPS when not in transport.
- Do not use the WPS in extreme weather, high winds, or prolonged exposure to the elements.
- If the WPS becomes wet during use, allow it to dry completely before repacking and storing.
- Store all components in a clean, dry, and temperature-controlled environment.
- Improper use, care, or storage can result in damage to the product, your vessel, or other property, and may void the limited warranty.



### LIMITED WARRANTY & LIABILITY PROTECTION

The Marine RoadGuard WPS is warranted to be free from defects in materials and workmanship for a period of 1 year from the date of purchase. This warranty does not cover damage caused by misuse, improper installation, failure to follow instructions, improper care, modification, or storing the product while wet, damp, or in extreme conditions.

Proper installation, use, care, and storage as outlined in this manual are required to maintain limited warranty coverage.

The manufacturer shall not be liable for any incidental, consequential, or special damages arising from the use or inability to use this product.

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### READ THIS MANUAL COMPLETELY

Read and understand this entire manual before using the Marine RoadGuard WPS. Keep this manual with the product for future reference.



# MARINE ROADGUARD OPERATOR MANUAL

## Windshield Protection System (WPS)

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### 1. IMPORTANT SAFETY, WARNING & CAUTION INFORMATION

**WARNING: Read and understand this manual before using the WPS.**

Failure to properly install, inspect, secure, maintain, remove, clean, dry, repack, and store the Marine RoadGuard system may result in product failure, windshield damage, vessel damage, finish damage, unsafe transport conditions, personal injury, or property damage.

**CAUTION: Transport use only**

The Marine RoadGuard WPS is intended only for active vessel transport. Remove the WPS after transport. Do not leave the WPS installed for storage, mooring, anchoring, unattended parking, long-term exposure, extreme weather, or high-wind conditions.

**WARNING: Improper use may affect limited warranty coverage**

Misuse, improper installation, improper storage, failure to dry the system before storage, unauthorized modification, substituting SPI materials, or use outside intended transport conditions may void or limit coverage under the Marine RoadGuard Limited Warranty.

**Surface Protection Notice**

Use care around powder-coated posts, windshield glass, painted surfaces, gelcoat, hardware, and vessel finishes. Trapped dirt, sand, or road debris may scratch or damage surfaces during installation, removal, or transport.

### 2. COMPONENT IDENTIFICATION

The Marine RoadGuard WPS system includes four major component groups. See *Figure 1* for the complete kit layout.

- Windshield Protection Shield (WPS)
- Shield Protective Insert (SPI): closed-cell foam and HDPE insert layers
- Eight (8) transport straps
- Carrying / storage case



Figure 1 — Major WPS components: WPS shield, SPI components, eight transport straps, and storage bag.

## 2.1 Shield Protective Insert (SPI)

The SPI consists of a closed-cell foam layer and a thin HDPE impact-dissipation layer, See *figure 2*. The SPI must be used only as supplied by Marine RoadGuard. Do not substitute, add, or replace SPI materials with non-approved materials.



Figure 2 — SPI layers shown separately for identification before installation.

## 2.2 Transport Straps

The system includes eight transport straps total, See *figure 3*. Four straps are used on the left-side post and four straps are used on the right-side post during installation.

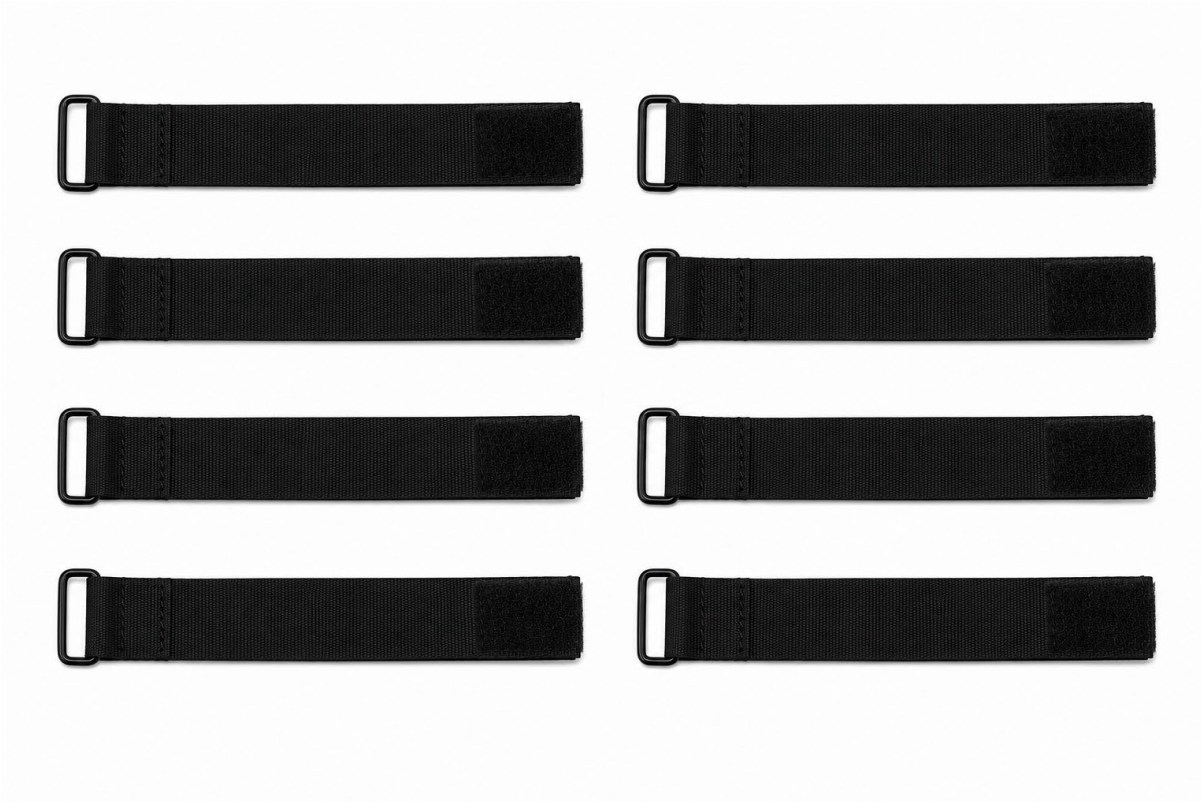


Figure 3 — Eight transport straps used to secure the WPS during transport.

## 2.3 Carrying / Storage Case

The carrying case protects the rolled system when it is not installed. The bag uses a draw-tight opening at one end. See *figure 4*.



Figure 4 — Carrying / storage case with draw-tight opening.

## 3. UNPACKING THE SYSTEM

### Step 1 — Remove the System from the Carrying Case

When first removing the system from the carrying/storage case (See *figure 5*), the system may be tightly rolled and secured using the transport straps.

### Step 2 — Remove Transport Straps and Unroll

Carefully remove the straps securing the rolled system. Slowly unroll the system and separate the WPS from the SPI materials.



*Figure 5 — Rolled WPS system secured for storage/transport.*

### Step 3 — Allow SPI Materials to Relax Flat

Lay the SPI closed-cell foam and HDPE layer flat on a clean, dry surface before installation. During shipping and storage, the SPI materials may retain a rolled memory shape. Allowing the materials to relax and flatten improves installation and fitment inside the WPS.

**WARNING: Do not force rolled SPI materials into the WPS.**

Improper insertion may damage the SPI, WPS, stitching, or hook-and-loop retention system and may void or limit warranty coverage.

## 4. INSTALL SPI IN WPS

1. Lay the WPS on a clean, dry, non-abrasive surface.
2. Confirm that the SPI foam and HDPE layer are clean, dry, and relaxed flat.
3. Insert the SPI into the WPS pocket with the HDPE facing outward and the foam facing inward against the windshield glass.
4. Ensure the SPI is fully seated with no folds, bunching, or curled edges.
5. Close and fully secure the hook-and-loop flap.

**WARNING: Never replace SPI materials.**

Do not substitute the supplied SPI foam, HDPE, or insert configuration with other materials. Unauthorized substitutions may reduce protection, cause product failure, and void or limit warranty coverage.

## 5. WPS INSTALLATION

### Step 1 — Install Transport Straps

Install four transport straps on the right-side anchoring/grab-handle post and four transport straps on the left-side anchoring/grab-handle post (See *figure 6*).

- Place the rectangular ring around the post.
- Feed the 2-inch hook-and-loop webbing through the rectangular ring.
- Pull tight enough to secure the strap to the post.



- Ensure the webbing remains flat and untwisted.



Figure 6 — Transport strap installed around the windshield support post.

### Step 2 — Prepare Windshield and Wiper

**CAUTION: Windshield wiper clearance**

If the vessel is equipped with a windshield wiper, remove it or lift/open it out of the way before placing the WPS against the windshield. Failure to do so may damage the wiper, glass, WPS, or surrounding finishes.

### Step 3 — Position the WPS

With a helper, carefully position the WPS against the windshield. The closed hook-and-loop flap side should face inward toward the windshield glass (See *figure 7*).

- Center the shield left-to-right.
- Confirm full windshield coverage.
- Verify no sand, dirt, or debris is trapped between the WPS and vessel surfaces.

- Keep the WPS even and flat before strap tensioning.



Figure 7 — WPS installed and centered for transport.

#### Step 4 — Attach Upper Straps First

Starting at the top of the system, loosely connect the top transport strap on both sides. Confirm the WPS remains centered before proceeding.

#### Step 5 — Continue Securing Remaining Straps

Working downward evenly on both sides, connect the remaining straps sequentially. Maintain balanced alignment, level, and do not overtighten (See figure 8).

- Top strap: loosely secure both sides.
- Second strap: secure both sides evenly.



- Third strap: secure both sides evenly.
- Bottom strap: secure both sides and check final alignment.



Figure 8 — Side view showing WPS transport strap layout.

## Step 6 — Final Tensioning

Gradually tighten straps evenly while maintaining the centered position of the WPS. Do not overtighten straps. Excessive tension may damage the WPS, vessel finishes, posts, hardware, or glass.

## 6. WPS REMOVAL

1. Park the tow vehicle and vessel in a safe location before removing the WPS.
2. Release strap tension gradually.
3. Disconnect straps carefully and keep hardware away from glass and painted/powder-coated surfaces.
4. Remove the WPS from the vessel with assistance when needed.
5. Inspect the WPS, SPI, straps, posts, and windshield surfaces for trapped debris, moisture, or damage.
6. Lay components flat for drying and inspection before repacking.

## 7. CLEANING & MAINTENANCE

The WPS is constructed using marine-grade, weather-resistant fabric and should be cleaned after exposure to bugs, road grime, salt, sand, dirt, or rain. Clean only with mild soap, fresh water, a soft brush, sponge, or microfiber towel.

- Do not use bleach.
- Do not use petroleum-based cleaners.
- Do not use harsh solvents.
- Do not use abrasive pads or aggressive brushes.
- Do not pressure-wash directly into seams, stitching, or hook-and-loop areas.

### 7.1 Rinse Procedure

Rinse the WPS with fresh water to remove loose dirt, sand, road grime, bug debris, and salt contamination. See Figure 9.



*Figure 9 — Fresh-water rinse for WPS cleaning and maintenance.*

## **7.2 Brush Cleaning Procedure**

For bug splatter or light road grime, use mild soap and a soft-bristle brush. Clean gently and avoid aggressive scrubbing at seams and stitching. See Figure 10.



*Figure 10 — Soft-bristle brush cleaning with mild soap.*

### **7.3 Microfiber Wipe-Down Procedure**

After rinsing, wipe water spots with a clean microfiber towel. Allow all components to fully air dry before repacking. See Figure 11.



Figure 11 — Microfiber wipe-down before air drying.

**WARNING: Never repack wet or damp components.**

Failure to dry the system before storage may result in mold, mildew, odor contamination, material degradation, and may void or limit warranty coverage.

## 8. REPACKING THE SYSTEM

### Step 1 — Prepare Clean Dry Surface

Prepare a clean, dry surface large enough to safely lay out all components.

### Step 2 — Position SPI Components

Lay the SPI closed-cell foam flat on the clean, dry surface. Place the HDPE layer flat on top of the foam.

### Step 3 — Prepare WPS Assembly

Place five transport straps on top of the WPS. Roll the WPS tightly with the excess transport straps contained inside the WPS roll.

### Step 4 — Combine WPS with SPI Components

Place the rolled WPS assembly at one end of the flat SPI foam and HDPE layers. Slowly roll the SPI foam and HDPE layers around the WPS assembly while maintaining alignment.

### Step 5 — Secure Rolled Assembly

Using the remaining three transport straps, wrap the straps around the rolled assembly. Tighten and secure the hook-and-loop webbing (See *figure 12*).



*Figure 12 — Rolled WPS system secured with transport straps before placing in the carrying case.*

### Step 6 — Place into Carrying Case

Place the completed rolled system inside the carrying/storage case and close securely (See *figure 13*).



Figure 13 — Carrying/storage case for packed WPS system.

## 9. STORAGE REQUIREMENTS

Store the packed system indoors whenever possible and in a clean, dry, temperature-controlled location.

- Store away from standing moisture and damp environments.
- Store away from excessive heat.
- Store away from prolonged UV exposure.
- Do not store under heavy objects that may crush or deform the SPI.
- Do not store damp, wet, or contaminated components.

## 10. INSPECTION & GENERAL BEST PRACTICES

- Inspect stitching, strap webbing, hook-and-loop material, rings, and anchor points before each use.
- Do not use damaged straps or hardware.
- Do not allow metal hardware to strike glass, gelcoat, or powder-coated posts.
- Use a helper when positioning or removing the WPS.
- Remove the WPS after transport.
- Keep this manual with the product for future reference.

## 11. LEGAL PROTECTION STATEMENT

Marine RoadGuard Inc. assumes no responsibility for damages caused by misuse, improper installation, improper storage, failure to inspect, unauthorized modification, use outside intended transport conditions, or failure to follow operational instructions contained within this manual.

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