



OLYMPUS Stylus Tough TG-5 Underwater Housing

**Recsea CWOM-TG5
WHOM-TG5**

MANUAL



Please read this manual before use.

NTF CORPORATION UH Division

<http://www.seatool.net>

INTRODUCTION

OLYMPUS Stylus Tough TG-5 Underwater Housing CWOM-TG5 and WHOM-TG5

- ✘ Thank you for purchasing the RECSEA CWOM-TG5 or WHOM-TG5 Underwater Housing.
- ✘ To ensure proper and safe use, please thoroughly read this manual.
- ✘ Improper use may cause leakage causing irreparable damage to your digital camera.
- ✘ Please check, and test the housing according to this manual prior to use.
- ✘ Neither NTF Corporation, Seatool/Resea nor their agents shall warrant or bear any responsibility for any incident related to water leakage, damage or loss of data, unauthorized modification, disassembly and repair; or any accident causing physical or material damage while using this product.
- ✘ This product is manufactured by machining methods. As a result, there may be minor scratching or tool marks. These are a normal part of the manufacturing process, do not affect operation of the housing or camera, and are not subject to warranty or any other claims.

WARNING!

- ✘ Do not store or leave housing in reach of infants or small children. The strap may cause choking and suffocation, or small parts may be swallowed causing injury.
- ✘ Please remove digital camera from housing when not in use. Battery malfunction or damage may cause fire.
- ✘ The housing body is made of corrosion-resistant aluminum. However, saltwater can cause rusting to some parts so be sure to rinse thoroughly using fresh water without fail.

CAUTION!

- ✘ To prevent water leakage and damage, DO NOT disassemble or modify this housing.
- ✘ Do not store the housing in areas of high humidity, high or low temperatures, or areas of extreme temperature fluctuation. Doing so may cause deterioration of parts.
- ✘ When diving, use a method of water entry that protects the housing from shock, which can cause water leakage. If at all possible have housing handed to you after entering the water.
- ✘ The CWOM-TG5 [Polyoxymethylene](#) (POM) housing is designed to withstand depths of 60 meters (200 feet), while the WHOM-TG5 Aluminum (AL) housing is designed to withstand depths of 100 meters (330 feet). Using either housing at deeper depths may cause damage and water leakage. Use caution and monitor depth.
- ✘ Remove O-ring or leave housing slightly open when transporting by plane. Pressurization of a sealed housing during transport may cause damage or make it difficult to open.
- ✘ When opening and closing the housing be mindful of dust and other contaminants, which may adhere to the O-ring, possibly causing water leakage and damage.
- ✘ **Always check O-ring prior to each use. Pay special attention to the grease condition and that O-ring is seated uniformly in the O-ring groove with no twists or bulges. Neglecting to check the O-ring prior to each use may result in water leakage and damage.**

FEATURES OF THIS PRODUCT

- ✘ Compact and durable, CNC precision machined corrosion-resistant POM, AL housing.
- ✘ Lightweight, ergonomically designed.
- ✘ Maximum Operating Depth (MOD) CWOM-TG5 60 meters (200 feet), WHOM-TG5 100 meters (330 feet).
- ✘ Half-Press Shutter Trigger for precise camera shutter control.
- ✘ Port Bayonet Ring.
- ✘ Flash Window with built-in Diffuser.
- ✘ Rear Mode Dial and push button functions.

- ※ RECSEA original Secure-Latch locking system for easy opening and closing.
- ※ Quality silicone O-ring.
- ※ Complete camera function control.
- ※ Variety of supported RECSEA original options.

PACKAGE CONTENTS

Be sure all items listed here are included:

- Housing
- Strobe Mask-External Strobe Connection Mount (Fiber-Optic/SEA&SEA) and Screw
- Lens Cap
- Wrist Strap
- Reserve O-ring
- O-ring Grease w/O-ring Removal Pick

GETTING TO KNOW YOUR RECSEA TG-5 HOUSING



- ※ Please refer to camera manual for explanation of camera controls.

WARRANTY INFORMATION

Warranty Period	CWOM-TG5 one (1) year from purchase WHOM-TG5 two (2) year from purchase
Purchase Date	Year Month Day
Product Name	OLYMPUS Stylus Tough TG-5 Underwater Housing
Product Number	<input type="checkbox"/> CWOM-TG5 <input type="checkbox"/> WHOM-TG5
Dealer Name	
Serial Number	

※ Dealer: Stamp your company name and contact information, purchase date, model and serial number.

Seatool



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※ Please refer to camera manual for explanation of camera controls.

OPENING AND CLOSING THE BACK COVER

※ Please do the following operations in a clean area with low humidity and dust.



To OPEN, press Lock Lever while pulling Secure-Latch away from housing main body.

To CLOSE, press Secure-Latch into place making sure the latch on the underside is properly placed in the Secure-Latch groove attached to the main housing body. Push into the locked position. Double check to make sure it is firmly locked into place.

INSTALLING CAMERA

CAUTION! Before using, please be sure the test the housing (without camera) in a bucket of freshwater. After use in salt water, rinse thoroughly in a bucket of fresh water without fail, pressing all buttons several times to flush out salt deposits and other contaminants. Allowing saltwater and contaminants to dry on housing can damage functions and O-ring. Clean with fresh water only, using a soft, dry cloth to wipe away water.

※ Please perform proper housing O-RING MAINTENANCE prior to installation.

※ Please conduct the following operations in a clean area with low humidity and dust.



Remove Camera Lens Ring Before Installation.

取り付けの前にカメラのレンズリングを取り外してください。

1. Check camera settings, battery is charged and media storage capacity is sufficient.
2. Make sure the housing Control Dial is are pulled (or pushed) outward away from housing. If these step is not taken, the camera may not seat properly into housing and may cause buttons, dials and levers not to function as intended.
3. Slowly and carefully install camera making sure camera does not hit housing's internal controls. Gently push camera forward into housing to make sure it is properly seated. If the camera is not seated correctly, buttons, dials, and levers may not work properly.
4. After performing O-ring Maintenance, carefully close back cover making sure nothing is caught between the Back Cover O-ring and housing body Contact Surface.

REMOVING CAMERA

CAUTION! After use in water, water will remain in gaps between housing, back cover and Secure-Latch. Wipe any water off housing with a soft dry towel to prevent water from falling on camera.

1. Pull Control Dial outward away from housing.
2. Press Lock Lever while pulling Secure-Latch away from housing main body. Open back cover.
3. Tip Housing backwards, gently sliding camera out of housing.

HANDLING PRECAUTIONS

The Port Lens Flash Window and Monitor Window are manufactured using hard coat acrylic. When cleaning use a clean soft cloth taking care not to scratch them.

INTERNAL AND EXTERNAL STROBE

- ✘ For heavy strobes and lights please use optional Grip & Tray Assembly and compatible connector.
- ✘ Use the Strobe Mask-External Strobe Connection Mount to connect external strobe fiber-optic cable or plug.

CAUTION! Store Strobe Mask-External Strobe Connection Mount and Screw in a secure place so as not to lose them.



1. Place the Strobe Mask-External Strobe Connection Mount over the Flash Window making sure to insert the Strobe Mask Anchor in the Anchor Groove.
2. Using the Strobe Mask Screw, attach the secure the Strobe Mask by screwing it into the Screw Socket provided.
3. Insert fiber-optic cable or plug into appropriate socket(s) provided.



- ✘ Two (2) Tripod Sockets are provided at the bottom of the housing for use in attaching Seatool/Recsea genuine tray and grip assemblies.

CAUTION! Seatool/Recsea **STRONGLY** recommends the use of Seatool/Recsea genuine tray and grip assemblies listed below under **OPTIONS**. Leakage or damages due to the use of non-genuine options are **NOT** covered under warranty.

- ※ The Accessory Shoe can be used for installation of a target light. Please be mindful of the weight of the light intended for use. For heavy lights and strobes please use Seatool/Recsea genuine tray and grip assemblies.
- ※ The M10 Ball Joint Socket can be used for installation of a target light via a M10 Ball Joint Mount. Please be careful when attaching a Ball Joint and be mindful of the weight of the light intended for use. For heavy lights and strobes please use Seatool/Recsea genuine tray and grip assemblies.
- ※ Please refrain from using lights attached to the Accessory Shoe or via the Ball Joint Socket as a carrying handle.

CAUTION! Damage is irreparable.

MAINTENANCE

CAUTION! Allowing saltwater and contaminants to dry on housing can damage functions and O-rings possibly causing water leakage. Clean with fresh water only, using a soft, dry cloth to wipe away water.

※ A complete housing overhaul is recommended once every year.

1. After use in salt water, wash off salt and other contaminants by soaking empty housing thoroughly in a bucket of fresh water (lukewarm) for 10 to 20 minutes.
2. Manipulate all buttons and dials several times to flush out salt deposits and other contaminants.
3. Wipe any water off housing with a soft dry cloth.
4. Open Back Cover.
5. Using the O-ring Removal Pick, remove O-ring.
6. Clean O-ring groove and Contact Surface using a clean cotton swab. **DO NOT** clean housing with volatile organic solvents or chemical cleaning agents such as thinner, gasoline, and benzene, etc.
7. Perform O-RING GREASING & MAINTENANCE as instructed below before re-installing.

O-RING GREASING & MAINTENANCE (※1)



CAUTION! DO NOT use silicone grease other than that provided by Seatool/Recsea.

- ✘ Thoroughly clean O-ring groove. Be sure to also apply a thin layer of grease to O-ring Contact Surfaces.
 - ✘ This housing uses one (1) O-ring. Please be sure to install O-ring as shown. Failure to do so will result in water leakage.
1. Using the O-ring Removal Pick, remove O-ring.
 2. Clean sand, salt, other contaminants and old grease from O-ring.
 3. Clean O-ring groove and O-ring Contact Surface using a clean cotton swab.
 4. Visually and physically check O-ring by running it through finger tips, feeling for cuts, cracks or any other defects that may cause leakage. Such defects will cause water leakage, so be sure to replace the O-ring. Be careful not to stretch or pull the O-ring too much.
 5. Squeeze a rice grain sized bead of silicone grease on your thumb and forefinger. Taking care not to pull or stretch the O-ring too much, uniformly spread grease on O-ring. Too little grease may cause the O-ring to twist in the groove, possibly causing water leakage.
 6. Place O-ring in the appropriate O-ring groove, making sure it is uniform, not twisted or bulging out, possibly causing water leakage. When closing back cover, visually check O-ring Contact Surface, tracing a finger over the to making sure no hair, lint or other contaminants are attached.

IMPORTANT NOTES:

- ✘ When housing is not used for long periods, remove O-ring and place in a plastic bags to keep it free of dust and other contaminants and store in a place out of direct sunlight. Please also be careful of prolonged exposure to direct sunlight during use. The O-ring and housing may become deformed, causing water leakage.
- ✘ After extended periods of non-use, soak closed empty housing in lukewarm for half a day. Manipulate all buttons, levers and dials several times. Using a soft, dry cloth wipe away water.

CAUTION!

- ✘ The O-ring is an essential part of waterproofing for this housing. Not properly greasing the O-ring as directed may cause the O-ring to twist in the O-ring groove, possibly causing water leakage.
- ✘ Always perform the above O-ring, O-ring groove and O-ring Contact Surface maintenance and greasing every time you open/close the housing.
- ✘ Please pay close attention and make sure the O-ring is not twisted or bulging, free of any contaminants (dirt, hair, etc.), and that foreign objects do not obstruct proper closing of the housing Back Cover.
- ✘ DO NOT clean the housing with volatile organic solvents or chemical cleaning agents such as thinner, gasoline, and benzine, etc.
- ✘ The Port Lens, Flash Window, and Monitor Window are manufactured using hard coat acrylic. When cleaning use a clean soft cloth taking care not to scratch them.

CONSUMABLE PARTS

- ✘ For replacement of consumable parts such as O-ring please contact your dealer or Seatool/Recsea.

OPTIONS

The following items are optional. Please contact Seatool/Recsea or local dealer to purchase.

- RMMF-02 Rougan Viewfinder

- AD-M52-TG3 Quick M52 Mount Adapter (Bayonet Type)
- AD-M67-TG3 Quick M67 Mount Adapter (Bayonet Type)
- AD-28AD-TG3 Quick INON 28AD Mount Adapter (Bayonet Type)
- AD-LD-TG3 Quick INON 28LD Mount Adapter (Bayonet Type)
- AD-M67D-TG5AL Aluminum M67 Port Ring
- SAL-02-TG3 Bayonet Flip Close-Up Lens 50mm x2
- SAL-03-TG3 Bayonet Flip Close-Up Lens 20mm x3
- WH-CWOM-TG5 O-ring
- Seatool-OG3ml O-ring Grease 3ml Tube w/O-ring Pick
- SBB-M10 Ball Joint Base
- STG-06L2 POM Left Hand Single Grip & Tray Assembly (2 Tripod Screw)
- STG-06W2 POM Dual Grip & Tray Assembly (2 Tripod Screw)
- STG-05L2 AL Left Hand Single Grip & Tray Assembly (2 Tripod Screw)
- STG-05W2 AL Dual Grip & Tray Assembly (2 Tripod Screw)
- STG-05JL2 AL Left Hand Single Grip & Tray Assembly (2 Tripod Screw)
- STG-05JWEP AL Dual Grip Extension (For use with STG-05JL2)
- RHA-150 AL Lens Caddy Arm
- STG-ADH-4652 Quick Mount Lens Caddy (Bayonet Type)
- ADT-1S Tray Adapter (Single To Double Tripod Base)
- ADT-2S Tray Adapter (Double To Double Tripod Base)

SPECIFICATIONS

Compatible Camera	OLYMPUS Stylus Tough TG-5
Maximum Depth	POM: 60 Meters (200 feet) AL: 100 meters (330 feet)
Material	POM Housing: Corrosion-resistant Polyoxymethylene AL Housing: Corrosion-resistant Aluminum alloy, anodized Lens, LCD, Flash Window: Hard Coat Acrylic Levers, Dials, Buttons: POM, PC Screws, Springs, Shafts: Stainless Steel, Galvanized
Size (Housing)	POM Dimensions: W150.15mm x D65.5mm x H98.9mm 506g (Land) / 130g (Freshwater w/Camera & Diffuser) AL Dimensions: W150.15mm x D65.95mm x H98.9mm 668g (Land) / 290g (Freshwater w/Camera & Diffuser)
Accessories	Diffuser, Strobe Mask-External Strobe Connection Mount (Fiber-optic and Plug) and Screw, Lens Cap, Wrist Strap, Reserve O-ring, O-ring Grease w/O-ring Removal Pick

INSURANCE INFORMATION

※ Seatool/Recsea strongly recommends insuring your camera. For more information please contact your dealer.

AFTER-SALE SERVICE

CWOM-TG5 Warranty Period is one (1) years from purchase for general users, ninety (90) days for commercial or industrial users.

WHOM TG5 Warranty Period is two (2) years from purchase for general users, six (6) months for commercial or industrial users.

Seatool/Recsea will repair manufacturing defects free of charge during the warranty period when product is used in accordance with this manual. This warranty is only valid for housings purchased from authorized Seatool/Recsea international dealers. Damage due to customer use, and for any consumable parts, the repairs will be charged at normal rates. Shipping costs to and from dealer, or Japan if necessary, shall be born by the customer for warranty and all other cases. This warranty does not cover any damage to digital camera for any reason, including damage caused by water intrusion. Please obtain insurance for all your equipment. Any repairs due to the following will be charged at normal rates:

- 1) Repaired, modified or disassembled by person or company other than Seatool/Recsea;
 - 2) If damaged in fire, natural disaster such as earthquake, flood, lightning, etc.;
 - 3) Damage caused by dropping, impact, vibration;
 - 4) When returned for warranty service not accompanied with Warranty Information copy, or if Warranty Information is altered.
- ※ Warranty does NOT cover any losses resulting from any malfunction of this product, including those related to lost profits or any related expenses.
 - ※ Seatool/Recsea will stock parts necessary for repair for five (5) years from stop of production.
 - ※ This product uses some degradable parts, such as buttons and O-rings. Seatool/Recsea recommends overhauling the housing once per year, more frequently if used often. Overhaul service is charged at normal rates.

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