

SureShell Carrier and Reflex Sight Mount Manual



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SureShell Carriers Overview

All Mesa Tactical SureShell shotshell carrier assemblies are comprised of three basic components:

- The yoke
- The backplate or bracket
- The retention tubing

Yoke

The yoke is the component that holds the shotshells. The yoke can hold four, six, or eight shells, and is made out of machined aluminum or injection-molded glass-filled nylon. Either 12 gauge or 20 gauge shells are supported, depending on application. The yoke is secured to the backplate or bracket with between two and ten #6 Phillips head screws.

Backplate or Bracket

The backplate or bracket is the platform specific part of the assembly. It is designed to fit onto particular shotgun models and may include a Picatinny rail profile, integrated reflex sight mount or a simple plate for mounting onto the side of a shotgun receiver.

Retention Tubing

One (with aluminum yokes) or two (with polymer yokes) synthetic rubber tubes run the length of the assembly, sandwiched between the yoke and the backplate. This tubing is what secures the shotshells in place in the yoke.

For most users, the factory-installed tubing will perform a lifetime of service; but frequent use of the SureShell carrier may result in wear of the tubing. For this reason, the tubing can be thought of as a consumable that in some cases may have to be replaced from time to time. Replacement tubing is available from Mesa Tactical, free of charge.

The SureShell carrier package includes a stiffer tubing (white) that in some cases provides more secure shell retention than the factory installed (black) tubing. If necessary, the black tubing can be replaced with the white tubing by disassembling the SureShell carrier assembly by removing the screws securing the yoke to the backplate. Of course, worn tubing can be replaced in the same way at any time.

Mounting Hardware

The mounting hardware is packaged in a zip lock poly bag and is specific to the SureShell carrier application. Simple installation tools, such as hex keys or Torx wrenches, are often included with the mounting hardware.

Package Contents

The SureShell shotshell carrier package includes:

- This Installation Manual;
- A SureShell shotshell carrier assembly (yoke, retention tubing and backplate or bracket);
- Mounting hardware kit in a zip-lock poly bag;
- One or two spare white retention tubes;

- Protective synthetic rubber adhesive gasket;
- Mesa Tactical sticker.

If you are missing any items, please contact Mesa Tactical support as described at the end of this Installation Manual.

Reflex Sight Compatibility

The SureShell shotshell carrier with reflex mount accepts any reflex sight with the Trijicon RMR® footprint. The Trijicon RMR® standard has two holes for screws and two sockets for the pins on the shotshell carrier bracket that are positioned in the front, in both corners.

The following reflex sights are known to support the Trijicon RMR® footprint. Not all have been tested with the SureShell shotshell carrier with reflex mount.

ADE Advanced Optics RD3-011 Avenger	Holosun 508T
ADE Advanced Optics RD3-019 Stingray	Holosun 508T X2
ADE Advanced Optics RD3-020 Raptor	NcStar VISM FlipDot Pro
ADE Advanced Optics RD3-023 Valkyrie	Riton X3 Tactix PRD
Holosun 407C	Swampfox Justice RMR 1x27
Holosun 407C V2	Swampfox Kingslayer 1x22
Holosun 407C X2	Swampfox Liberty RMR 1x22
Holosun 507C	Trijicon RMR
Holosun 507C V2	Trijicon SRO
Holosun 507C X2	Vector Optics Frenzy 1x22x26

Benelli M2 Tactical, Benelli M4, and Beretta 1301 Tactical

With SureShell shotshell carriers with reflex mount for the Benelli M2 Tactical, Benelli M4, and Beretta 1301 Tactical shotguns, the yoke is attached to a machined bracket with an integral reflex sight mount featuring the Trijicon RMR® footprint. The SureShell carrier assembly is installed on the top of the Benelli M2 Tactical, Benelli M4, and Beretta 1301 Tactical receiver, in front of the rear LPA ghost ring sight, by taking advantage of the factory tapped Picatinny (MIL-STD 1913) rail holes. When properly installed, the reflex optic co-witnesses with the factory-installed LPA ghost ring sight.

The mounting screws for the Benelli M2 Tactical and Benelli M4 SureShell carriers are patterned on the factory screws for the Benelli M4 shotguns's optics rail. These use an unusual #8-40 thread.

The mounting screws for the Beretta 1301 Tactical are M4x10mm flathead cap screws with Torx T20 head.

Installation

Most Mesa Tactical products require no gunsmithing or special tools to install. They usually can be attached to your shotgun or stock at home with tools you have around the house.

Tools Required for Installation

The SureShell carrier with reflex mount includes all the specialized tools necessary to install the shotshell carrier on a supported shotgun. However, the following additional tools are required for installation:

- A flathead screwdriver (for Benelli shotguns).

The following tool is optional, but could make installation easier:

- A vise.

Using a thread locker such as purple or blue Loctite® is not necessary, but is highly recommended.

Procedure

1. Ensure the weapon is unloaded and pointed in a safe direction

You know the drill. No live ammunition should be present. Before starting, lock the bolt back.

2. (Optional) Apply adhesive-backed rubber gasket to the back of the SureShell shotshell carrier

The adhesive-backed gasket is supplied to protect the weapon's finish, but is not required. When installed properly, the back of the shotshell carrier should not touch the side of the shotgun receiver. The gasket will fill that gap.

3. Attach reflex optic compatible with Trijicon RMR® footprint to the SureShell shotshell carrier assembly

Your hardware kit comes with two sets of attachment screws of different lengths.

#6-32 × 3/8" flathead cap screws

#6-32 × 7/16" flathead cap screws



[illustration 3.1]

The thickness of your reflex optic determines which set of optic mounting screws to use. You want to use the longest screw that does not protrude below the lower surface of the shotshell carrier assembly. Use the supplied hex key to tighten the reflex optic to the shotshell carrier assembly using no more than 10 in-lbs of torque. A drop of purple or blue thread lock on each screw is highly recommended.

4. Prepare the shotgun to accept the shotshell carrier assembly

Each of the supported shotgun platforms is slightly different.

Benelli M2 Tactical

Remove the four plastic hole plugs from the tapped rail mounting holes in the top of the receiver. The easiest way to do this is to first remove the barrel and the bolt, then push the plugs out from below using a long thin rod such as a small screwdriver or unbent large paperclip.

Benelli M4

Use a flathead screwdriver to remove the five screws securing the Picatinny optics rail to the top of the receiver. Detach the rail and store it in a safe place. You can re-use the factory screws with your shotshell carrier.

Beretta 1301 Tactical

Use a hex key to remove the two screws securing the Picatinny optics rail to the top of the receiver. Detach the rail and store it in a safe place.

5. Secure the shotshell carrier assembly to the receiver.

For Benelli M2 Tactical and Benelli M4 use the three screws and washers.



[illustration 5.1]

For Beretta 1301 Tactical use the two metric flathead screws. Tighten to about 15 inch-lbs. A drop of purple or blue thread lock on each screw is recommended.

6. Check fit and functionality

When the shotshell carrier assembly is secured to the receiver, ensure the barrel can be easily removed and replaced. If the barrel hangs on one or more screws, remove the screws and shorten them slightly by rubbing them on some emery cloth or a file. Re-fit until the barrel does not contact the screws. Be sure to check for loose screws every time you use your shotgun.

Support and Warranty

If you have any problems or questions, please feel free to contact Mesa Tactical for assistance at 775-333-9800.

Sending an e-mail to support@mesatactical.com automatically opens a support ticket.

Mesa Tactical warrants that all products are free from defective material and workmanship and, subject to the conditions set forth below, agrees to repair or replace any part of a product that proves defective by reason of improper workmanship or materials without charge for parts and labor.

In no event will Mesa Tactical be liable for damages, lost revenue, lost wages, lost savings or any other incidental or consequential damages arising from purchase, use or inability to use this product.

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