

SureShell Carrier and ACRO 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 or six shells, and is made out of machined aluminum or injection-molded glass-filled nylon. The yoke is secured to the backplate or bracket with between four and six #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, 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:

- 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.

ACRO Footprint

The reflex sight mount accepts any reflex optic that is compatible with the Aimpoint® ACRO® footprint. The Aimpoint ACRO standard has a dovetail for optic mounting and a perpendicular groove for a recoil lug preventing the optic from movement.

The following reflex sights are known to support the Aimpoint ACRO footprint. Not all have been tested with the reflex sight mount.

- Aimpoint ACRO P-1/P-2
- Aimpoint ACRO C-1/C-2
- Burris® Fastfire™ E
- Steiner® MPS
- Griffin Armament® Griffin Micro Sight™
- C&H Precision Duty
- Vector Optics Frenzy Plus
- Lead & Steel PB-3

Benelli M4

The SureShell carrier assembly with ACRO sight mount is installed on the top of the Benelli M4 receiver in front of the rear LPA ghost ring sight and replaces the factory Picatinny rail segment. The assembly uses the same factory tapped Picatinny rail holes for installation. When properly installed, the ACRO optic co-witnesses with the factory-installed LPA ghost ring sight.

The mounting screws for the Benelli M4 SureShell carriers are an unusual #8-40 thread.

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 shotgun carrier on a supported shotgun. However, the following additional tools are required for installation:

- A flathead screwdriver.
- Optic specific tightening wrench.

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.

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. Prepare the shotgun to accept the shotshell carrier assembly

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.

4. Secure the shotshell carrier assembly to the receiver.

For Benelli M4 use the four screws included in your zip bag hardware kit. Tighten to about 15 inch-lbs. A drop of purple or blue thread lock on each screw is recommended.



[illustration 4.1]

5. Attach reflex optic compatible with Aimpoint® ACRO® footprint to the SureShell shotshell carrier assembly



[illustration 5.1]

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.

No express or implied warranty is made for Mesa Tactical product damaged by accidents, misuse, natural or personal disaster, or any unauthorized disassembly, repair or modification. Mesa Tactical's warranty covers only repair or replacement of defective Mesa Tactical products.

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