

SureShell Carrier for AR-15 Stocks 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, are often included with the mounting hardware.

With the SureShell Carrier for M4 Carbine Stocks, hardware is included for installing the SureShell carrier on either side of the M4 Carbine buttstock. Additional hardware supporting the B5 Bravo, BCM Gunfighter Mod 0, LMT Crane, Magpul CTR or Magpul MOE buttstocks is available separately:

SKU	Description
90220	Supplemental Hardware for SureShell Carrier for B5 Bravo Stock
90230	Supplemental Hardware for SureShell Carrier for BCM Gunfighter Mod 0 Stock
90240	Supplemental Hardware for SureShell Carrier for LMT Crane Stock
90250	Supplemental Hardware for SureShell Carrier for Magpul CTR and MOE Stock

Additional buttstocks may be supported in the future.

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;
- Mesa Tactical sticker.

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

A synthetic rubber backplate gasket is not included with the SureShell Carrier for AR-15 Stocks.

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 for AR-15 Stocks includes all the hex keys necessary to install the shotshell carrier on a supported buttstock. However, the following additional tools are required for installation:

- A small adjustable wrench or open-ended wrench sized for the standoffs you are using.

The following tools are optional, but could make installation easier:

- Higher quality hex keys than those included in the package;
- A vise.

Using a thread locker such as Loctite is not necessary, but doesn't hurt either, as long as it's not the permanent formulation.

General Installation Notes

The SureShell Carrier for AR-15 Stocks assemblies are ambidextrous, with symmetrical hole patterns allowing installation on the left or right side of the buttstock. Right-handed shooters will install the shotshell carrier on the right side of the stock; while left-handed shooters will install

the shotshell carrier on the left side of the stock. Most of the mounting holes in the backplate are clearance holes for #10 screws (the larger holes, about 0.20 inches in diameter), but four holes in each backplate are smaller, for #8 screws (about 0.18 inches in diameter).

On most stocks, the shotshell carrier can be installed with the yoke above or below the mounting hardware, depending on taste. Because mounting the carrier with the yoke below the mounting hardware could cause interference with the stock adjustment lever, in this manual we will install the carrier with the yoke above the mounting hardware, except with the Magpul buttstocks.

M4 Carbine Stock

The SureShell Carrier for AR-15 Stocks ships with the hardware necessary to mount the shotshell carrier on either side of an M4 Carbine stock.

With the M4 Carbine stock, two screws pass through the rear horizontal sling loop into threaded standoffs. The shotshell carrier assembly is mounted on the outboard end of these standoffs. An optional third standoff can be attached to the shotshell carrier further forward for more stability, but without a mating screw at the stock.

Once you have determined on which side of the buttstock you want to install the shotshell carrier, and which way up, use an adjustable or $\frac{3}{8}$ inch wrench and a hex key to secure two standoffs to the two most rearward #10 holes with two of the #10-32 \times $\frac{7}{16}$ inch button head cap screws.

Optionally, attach the third standoff using a hole further forward, ensuring it does not interfere with the buttstock adjustment lever when the rear standoffs are lined up with the rear horizontal sling loop.



[illustration 46019_01.jpg]

Now line up the two rear standoffs with the rear horizontal sling loop, and secure the assembly in place with two #10-32 \times ⁷/₁₆ inch button head cap screws passing through the sling loop and the two #10 washers. Tighten the assembly with both hex keys at the same time.

B5 Bravo Stock

To install the SureShell Carrier for AR-15 Stocks on a B5 Bravo stock, you need Mesa Tactical SKU 90220 - Supplemental Hardware for SureShell Carrier for B5 Bravo Stock.

Installation of the SureShell Carrier for AR-15 Stocks on a B5 Bravo stock is very similar to the installation on the M4 Carbine stock. With the B5 Bravo stock, two screws pass through the rear horizontal sling loop into threaded standoffs. The shotshell carrier assembly is mounted on the outboard end of these standoffs. An optional third standoff can be attached to the shotshell carrier further forward for more stability, but without a mating screw at the stock.

Once you have determined on which side of the buttstock you want to install the shotshell carrier, and which way up, use an adjustable or ⁵/₁₆ inch wrench and a hex key to secure two standoffs to the two most rearward #10 holes with two of the #10-32 \times ⁷/₁₆ inch button head cap screws.

Optionally, attach the third standoff using a hole further forward, ensuring it does not interfere with the buttstock adjustment lever when the rear standoffs are lined up with the rear horizontal sling loop.

Now line up the two rear standoffs with the rear horizontal sling loop, and secure the assembly in place with two #10-32 \times ⁷/₁₆ inch button head cap screws passing through the sling loop. Tighten the assembly with both hex keys at the same time.

BCM Gunfighter Mod 0 Stock

To install the SureShell Carrier for AR-15 Stocks on a BCM Gunfighter Mod 0 stock, you need Mesa Tactical SKU 90230 - Supplemental Hardware for SureShell Carrier for BCM Gunfighter Mod 0 Stock

With the BCM Gunfighter Mod 0 stock, two screws pass through the horizontal sling loop into threaded standoffs. The shotshell carrier assembly is mounted on the outboard end of these standoffs.

The fasteners used for this installation are somewhat larger than the sling loop slot width, so some plastic will be chewed up slightly when mounting the shotshell carrier. The standoffs are also a very tight fit in the groove.

Once you have determined on which side of the buttstock you want to install the shotshell carrier, and which way up, use an adjustable or ¹/₄ inch wrench and the ³/₃₂ hex key to secure the two standoffs to the two most rearward #8 holes (the smaller holes) with the two #8-32 \times ⁷/₁₆ inch button head cap screws.



[illustration 46019_02.jpg]

Now line up the two rear standoffs with the sling loop, as far reward as possible, and press the standoffs into the slot. Use the $\frac{9}{64}$ inch hex key to thread the #8-32 $\times\frac{7}{16}$ inch socket head cap screws through the sling loop and into the standoffs. Tighten the assembly with both hex keys at the same time.



[illustration 46019_03.jpg]

LMT Crane Stock

To install the SureShell Carrier for AR-15 Stocks on a LMT Crane stock, you need Mesa Tactical SKU 90240 - Supplemental Hardware for SureShell Carrier for LMT Crane Stock

Installation of the SureShell Carrier for AR-15 Stocks on a LMT Crane stock is very similar to the installation on the M4 Carbine stock. With the LMT Crane stock, two screws pass through the rear horizontal sling loop into threaded standoffs. The shotshell carrier assembly is mounted on the outboard end of these standoffs. An optional third standoff can be attached to the shotshell carrier further forward for more stability, but without a mating screw at the stock.

Once you have determined on which side of the buttstock you want to install the shotshell carrier, and which way up, use an adjustable or $\frac{5}{16}$ inch wrench and a hex key to secure three standoffs to the three most rearward #10 holes with three of the #10-32 $\times\frac{7}{16}$ inch button head cap screws.

Now line up the standoffs with the rear horizontal sling loop, and secure the assembly in place with three #10-32 $\times\frac{7}{16}$ inch button head cap screws passing through the sling loop and the three #10 washers. Tighten the assembly with both hex keys at the same time.

Magpul CTR and MOE Stock

To install the SureShell Carrier for AR-15 Stocks on Magpul CTR and MOE stocks, you need Mesa Tactical SKU 90250 - Supplemental Hardware for SureShell Carrier for Magpul CTR and MOE Stock

With the Magpul CTR and MOE stocks, the SureShell assembly is secured to captive nuts through the rearmost accessory slot. The assembly is offset from the buttstock with unthreaded standoffs.

The first step is to remove the buttpad from the Magpul CTR or MOE stock. Use the $\frac{1}{8}$ inch hex key to remove the two screws securing the buttpad in place. Press the hex key through one, then the other of the buttpad locking tab holes on each side of the buttstock, pushing the locking tabs down and out of the way and freeing the buttpad.

The SureShell assembly fits best on the Magpul CTR or MOE stocks with the yoke below the mounting hardware, but it can be installed either way.

With one finger holding a nut in the channel inside the buttstock, pass a #10-32 $\times\frac{7}{16}$ inch button head cap screw through one of the rearmost #10 holes in the SureShell backplate and one of the standoffs and screw it into the nut with the $\frac{1}{8}$ inch hex key. Once it is loosely secured, attach a second screw in the same way. Tighten the screws with the $\frac{1}{8}$ inch hex key.



[illustration 46019_04.jpg]

Optionally, use the third set screw, nut, and standoff to attach the assembly to the stock through one of the forward accessory holes.

Replace the buttpad.

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.

Mesa Tactical
1775 Kuenzli St
Reno, NV 89502
775-333-9800
www.mesatactical.com