

Installation Manual for Truckee Forend and Mossberg 500/590



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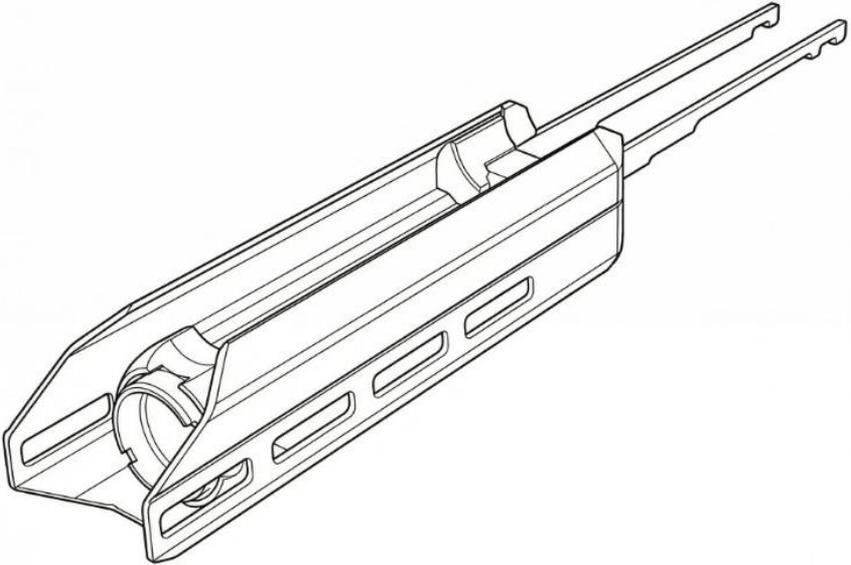
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Thank you for your purchase of the Truckee forend. Our products are manufactured in the USA and should provide years of reliable service.

For best results please read this entire manual before installing and using your Truckee forend. If you have any questions, please call 775-333-9800 or email support@mesatactical.com

Truckee Forend for Mossberg 500/590 Overview

The Truckee forend is a single piece aluminum forend with M-LOK slots that run along both sides and the bottom. The M-LOK slots allow the operator to attach M-LOK compatible accessories for example, lights, lasers, grips, or slings to the forend. The single piece aluminum design is durable and does not use small screws that could fall out and become lost. The Truckee forend is held firmly in position using a simple front and rear end cap. The Truckee forends for Mossberg 500/590 come in short, medium, and long sizes with a special version for 590 Shockwaves with Mesa Tactical rail.



Truckee Forend for Mossberg 500/590 Installation Manual

Truckee forends are comprised of the following basic components:

- Aluminum Truckee forend
- Front end cap
- Rear end cap
- Cylinder Spacer (only used with long action slide assemblies)

Aluminum Forend

Single piece aluminum forend machined from aircraft grade aluminum features M-LOK slots on both sides and the bottom available in 8¾, 11¼, and 11¾ lengths. The aluminum Truckee forend is hardcoat anodized for a durable flat black finish.

End Caps

The aluminum Truckee forend is firmly held in position using a front and rear end cap. The front and rear end caps are made from a durable glass filled nylon material.

Cylinder Spacer

Mossberg makes 500 and 590 shotguns with two different lengths of action slide assemblies. The cylinder spacer is only used with long action slide assemblies. The cylinder spacer is made of steel and powder coated in flat black for a durable attractive finish.

Package Contents

The Truckee forend package includes:

- Aluminum Truckee forend;
- Glass filled nylon front end cap;
- Glass filled nylon rear end cap;
- Steel spacer (Only used with long action slide assemblies);
- Forend wrench;
- Sticker.

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

Before you do anything, make sure your shotgun is unloaded and pointed in a safe direction. No live ammunition should be present.

Installation

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

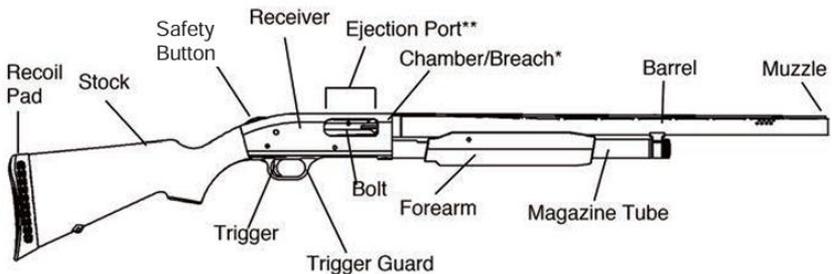
Tools Required for Installation

You will need tools to remove the stock from your Mossberg, these tools may be different depending on which stock is installed on your shotgun.

- Included forend wrench;
- Possible tools used to remove stock (screw drivers, socket set, castle nut wrench, hex keys);
- A vise and Mossberg vise block may be handy.

Disassembly First

To install the Truckee forend onto your Mossberg shotgun, you will first need to remove the forearm/action slide assembly from the shotgun. Follow your manufacture instructions to remove the stock, magazine cap, barrel, trigger group, bolt slide, cartridge stop, and cartridge interrupter, and free the forearm/action slide assembly from the shotgun receiver.



from Mossberg Owners Manual

Forend/Action Slide Assembly

Starting with the forend/action slide assembly, remove the factory forend furniture from the action slide assembly. The photo below shows the forearm/action slide assembly removed from the shotgun receiver and with factory forend furniture.



Use the included forend wrench or similar tool to unscrew the forend nut. The threads are fine so you will need to twist counter clockwise for a while to free the forend nut.



With the forend nut removed, pull the factory forend furniture free from the action slide assembly. The photo below shows the action slide assembly and forend nut with the factory furniture removed.



Two Versions of Action Slide Assembly

There are two different versions of action slide assemblies found on Mossberg 500/590s. The long action slide assembly has a tube length measuring $7 \frac{3}{4}$ inches and will require the steel cylinder spacer. The short action slide assembly has a tube length measuring $6 \frac{1}{2}$ inches and does not use the steel cylinder spacer. While you have your action slide assembly out, it is a good idea to determine which action slide assembly you have so you know if you will need to use the steel cylinder spacer or not. The photo below shows the two versions of action slide assemblies with long on top and short on bottom.



Place the rear end cap into the rear of the aluminum Truckee forend.



The rear end cap may hang or not fully seat. If this happens use both hands and gently pull outward on the rear end cap and the end cap will drop into position. The photo below shows the rear end cap properly seated into the aluminum Truckee forend.



Now slide the action slide assembly into the aluminum Truckee forend with the rear end cap installed. The photo below shows the action slide assembly sliding into the aluminum Truckee forend with rear end cap installed.



When the action assembly is fully seated into the aluminum Truckee forend it should look like the photo below.



1. Long Action Slide Assembly (7 3/4 inch tube)

The long action slide assembly requires the use of the steel cylinder spacer. If you have the short action slide assembly you can skip to the short action slide assembly section (page 12).

Take the steel cylinder spacer and press it into the front of the front end cap just like the photos below.



With the steel cylinder spacer pressed into the front end cap, slide the front end cap over the front of the action slide assembly. The front end cap will engage the aluminum Truckee forend and when it is properly seated the ends of the steel cylinder spacer will be flush with the front of the action slide assembly just like the photos below.



Next, reinstall your forend nut back onto the action slide assembly. The threads are fine so start out threading by hand so you do not cross thread the nut. Then use the included forend wrench to tighten the forend nut like in the photos below.



With the forend nut tightened, you have replaced the factory furniture on your action slide assembly with the Truckee forend and it should look like the photo below.



Follow your manufacturer instructions to reassemble your Mossberg shotgun.

2. Short Action Slide Assembly

The short action slide assembly does not use the steel cylinder spacer, you can put the steel cylinder spacer in a safe place.

Slide the front end cap over the front of the action slide assembly. The front end cap will engage the aluminum Truckee forend and when it is properly seated the ends of the front end cap will be flush with the front of the action slide assembly just like the photos below.



Next, reinstall your forend nut back onto the action slide assembly. The threads are fine so start out threading by hand so you do not cross thread the nut. Then use the included forend wrench to tighten the forend nut like in the photos below.



With the forend nut tightened, you have replaced the factory furniture on your action slide assembly with the Truckee forend and it should look like the photo below.



Follow your manufacturer instructions to reassemble your Mossberg 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.

MESA TACTICAL



**GEAR AND ACCESSORIES FOR LAW ENFORCEMENT, MILITARY AND
PERSONAL DEFENSE.**

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