

## BOX & ROTARY MAGAZINE LOADING / UNLOADING

**CAUTION:** Magazines are designed for use with only 2.75", 12 gauge shotgun ammunition in new or like new condition. Do not utilize oversized, undersized, damaged, or reloaded ammunition.

**Note:** Some shotgun ammunition brands use more buffer material than other manufactures (small white beads inside shells). The presence of excess buffer material can negatively impact the performance of magazines. To ensure consistent performance, clean out loose buffer material often or utilize ammunition without or limited amounts of buffer material. See cleaning instructions for recommended cleaning procedures.

**1** To load, hold shells parallel to the magazine; load one round at a time by pressing shells down into the top magazine opening.

**Note:** For best performance, the brass rims should be loaded to the front or in front of the rim of the previous round in the magazine. Do not alternate rims during loading.

a. Box magazine; place shell rim in magazine rim slot. Depress shell past shell retainer. Repeat until magazine is full.



b. Rotary magazine; right hand shooters will load shells with the brass to the rear and the round portion of the rotary magazine facing right (as shown). Left hand shooters will load shells with the brass to the rear and the round portion of the rotary magazine facing left.



**WARNING:** A live round may still be in the mag tube when the magazine is removed.

Use caution; verify firearm safety is on and the barrel pointed in a safe direction. **Remove live round from tube;** confirm the shotgun is unloaded by opening the action and making visual and touch verification as directed in shotgun's owner manual.

**3** To remove magazine from magazine well, verify firearm safety is on and the barrel is pointed in a safe direction, grasp magazine and depress magazine release. Pull magazine downward out of magazine well.



**4** To unload magazine, point magazine in a safe direction, depress shell release button.



**5** To clean the magazine, slightly depress the magazine shell follower and shake out or blow out loose debris. Wipe down magazine surfaces with plastic safe cleaners and lubricants.



**CAUTION:** Rotary magazine should not be disassembled. The internal components are under pressure and cannot be reassembled without specialized tools.

## IMPORTANT INFORMATION

**WARNING:** All firearms are potentially dangerous; their improper use may cause great harm, personal injury or death. It is your responsibility to know the safe use, procedures and operation of your firearm, and to store, handle and transport your firearm safely. Proper training is available through accredited firearms safety training programs.

**Refer to your Mossberg owners manual for maintenance, care and safety instructions related to the firearm.** If you do not have a factory owner's manual you may obtain one at no charge from O.F. Mossberg & Sons, Inc., PO Box 497, North Haven, CT. 06473. (203)230-5300 <http://www.mossberg.com>

## CUSTOMER SATISFACTION

Customer satisfaction is our number one priority. Do not hesitate to contact us with any questions or problems. We will do our absolute best to help you.

Due to the manufacturing variations in ammunition we do not warrant that your Sidewinder Venom System and the related magazines will function correctly with your specific shotgun or ammunition. Test all purchased ammunition for function and reliable performance when used in conjunction with the Sidewinder Venom System. Except for defects in materials or workmanship, the product is sold "AS IS" and "WITH ALL FAULTS." To the extent allowed by law, we specifically disclaim any expressed or implied warranties, including but not limited to warranties of merchantability and fitness for a specific purpose. We disclaim any responsibility for damage or injury that may result from any modifications or changes that are NOT part of the Sidewinder Venom System as delivered from the factory.

For inquiries concerning Adaptive Tactical products, call (208)442-8000 between 8am and 4pm MST. For further information, ask your local dealer or visit us on-line at <http://www.adaptivetactical.com>.



**ADAPTIVE  
TACTICAL**

**SIDEWINDER  
VENOM**

**SHOTGUN MAGAZINE  
CONVERSION KITS**

## INSTALLATION, MAGAZINE LOADING, AND MAINTENANCE INSTRUCTIONS

[ADAPTIVETACTICAL.COM](http://ADAPTIVETACTICAL.COM)



## INSTRUCTION OVERVIEW

These instructions are for the complete installation of Sidewinder Venom™ Shotgun Magazine-Conversion Kits. These instructions do not replace the Mossberg® owner's manual; refer to your owner's manual for instructions related to the specific operation and maintenance of the firearm. These instructions are applicable to the following:

**Venom 5 Rnd Box Kit**

**Venom 10 Rnd Rotary Kit**

**Venom-SE 10 Rnd Rotary Kit**

**WARNING:** Before beginning the installation of a Sidewinder Venom Kit, make sure the shotgun is UNLOADED and the mag tube cleared of live rounds. Read the instructions thoroughly and be sure that you understand them completely. Complete instructions, with pictures can be found on-line at: <http://www.adaptivetactical.com>

**Note:** Sidewinder Venom Kits are designed and engineered to work specifically with Mossberg 12-gauge shotguns. Do not attempt to retrofit your Venom Kit onto other firearms. Installation of the system onto another firearm will void the related factory warranty and could result in an unsafe or potentially deadly scenario.

## BEFORE YOU GET STARTED

Prior to beginning the installation of your Sidewinder Venom Kit, it is helpful to be familiar with the basic components of the firearm. Please see your firearm owner's manual.

Kit installation requires disassembly of interior shotgun components. It is important to take careful note of each step when disassembling your shotgun. Familiarity with the process will assist in the easy reassembly of the firearm and installation of the Sidewinder Venom Kit.

**Note:** If you are unsure or uncomfortable in performing kit installation in a safe manner, take your Sidewinder Venom Kit and shotgun to a competent gunsmith for proper installation. Refer to your Mossberg owner's manual for instructions related to the specific operation and maintenance of the serialized or receiver portion of the firearm. If you do not have a factory owner's manual, you may obtain one at no charge from O.F. Mossberg & Sons, Inc., PO Box 497, North Haven, CT. 06473 (203)230-5300 <http://www.mossberg.com>

## OPERATION AND MAINTENANCE

Refer to your Mossberg® owner's manual for instructions related to specific operation and maintenance of the firearm.

### Cleaning Sidewinder Venom Components

To clean Sidewinder Venom components, magazine well and magazine tube, used compressed air to remove any loose debris. Surfaces can be wiped down with firearm safe cleaners and/or lubricants.

### Camouflage Finishes

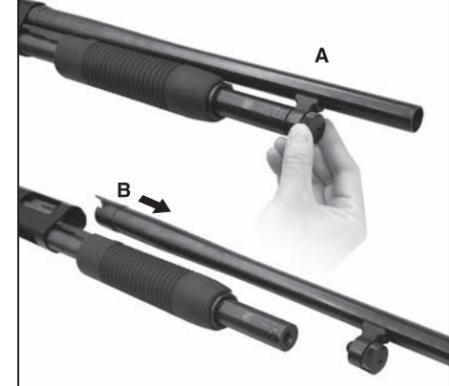
If your Sidewinder Venom Kit or components feature a camouflage finish, avoid using abrasive or solvent cleaners and/or lubricants. Surfaces can be wiped down with firearm safe cleaners and/or lubricants.

## SHOTGUN DISASSEMBLY FOR KIT INSTALLATION

**WARNING:** Use caution! Verify firearm safety is on and the barrel is pointed in a safe direction. Confirm that the shotgun is unloaded by opening the action and making visual and touch verification as directed in your shotgun's owner manual.

1 Remove shotgun stock; installation of the Venom Kit requires stock removal. In most cases the recoil pad will be attached by two screws, and the stock by one main bolt. Refer to factory manual if necessary.

2 Unscrew the capture screw on the end of the magazine tube (A) and remove the barrel by pulling it out of the receiver (B).



3 Utilizing an appropriately sized punch, remove drift pin.



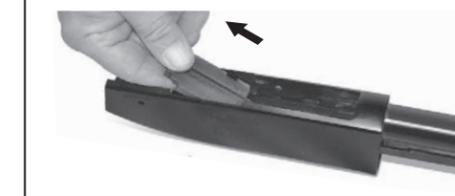
4 Remove the trigger group rear end first from the receiver. **DO NOT PULL THE TRIGGER!** Serious damage to the trigger group may result.



5 Remove the left and right side shell stop. **Note:** Only the left side shell stop will be installed during Venom Kit installation.



6 Position the bolt carrier as shown and remove it from the receiver.



7 Slide the forend forward. The action bars and forend assembly will now pull freely from the receiver and off the magazine tube. **Note:** The forend assembly will not be used for Venom Kit installation.



8 Remove bolt from shotgun receiver.



9 Remove shell lifter from receiver. Shell lifter is held in position by spring tension into corresponding holes in receiver. Squeeze ends to relieve tension for removal.



10 Use channel locks or pipe wrenches to remove factory magazine tube from receiver. **Note:** Removing the magazine tube will take a good amount of force to loosen the tube for unthreading. The use of a vise to secure the receiver will help with removing the magazine tube. Take caution not to scratch the receiver. Remove internal tube spring and follower plug. These components and the magazine tube will not be used for installation of the Venom Kit.



Shotgun disassembly complete. Proceed to Venom Kit Installation instructions.

## M4 STOCK INSTALLATION (VENOM-SE KIT ONLY)

1 To install the included Venom-SE M4 style stock you must first remove the current shotgun stock. Refer to the shotgun factory manual if necessary.

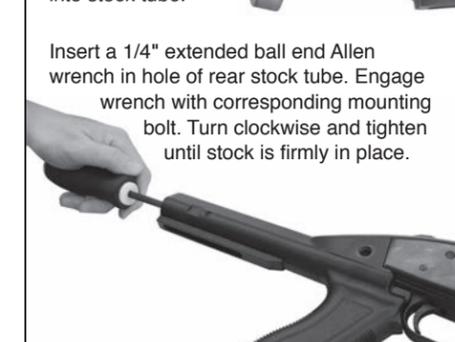
2 Adjust M4 stock to the longest setting. Pull adjustment lever out and slide adjustable portion of the stock off the rear of the stock.



3 Align front of stock with rear of receiver and hold in position. **Note:** Carefully align and position stock prior to tightening in order to avoid stripping threads in the receiver



4 Remove mounting hardware (cast washer and bolt) from bag stored in rear stock tube. Assemble and insert mounting hardware into stock tube.

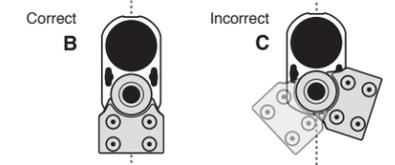
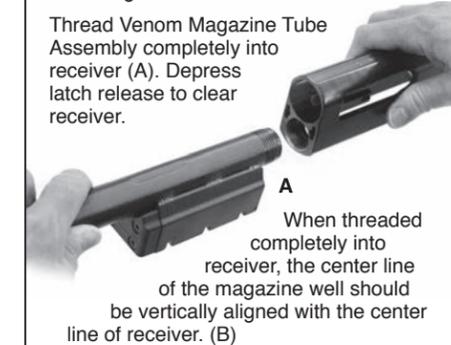


5 Pull adjustment lever out and slide adjustable portion of stock back onto the rear of the stock.



## VENOM KIT INSTALLATION

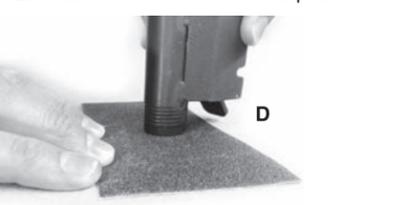
1 Remove debris or threading compound from magazine tube threads in receiver. Thread Venom Magazine Tube Assembly completely into receiver (A). Depress latch release to clear receiver.



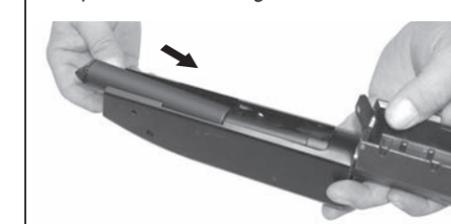
If the magazine well is either short of or past vertical (C) material must be removed from the end of the kit-supplied magazine tube using the included sand paper. Proceed with the following steps ONLY if center lines are not aligned.

Uninstall magazine tube. Place sand paper on a hard, flat surface. In a back and forth motion rub tube end on sand paper (D). Sand evenly; avoid sanding at an angle. Remove a small amount of material and then reinstall Venom Magazine Tube Assembly. Repeat until magazine well is vertically aligned with receiver. Refer to (B).

Utilize sand paper to remove any metal burrs from inside and outside tube surfaces. To avoid damaging or crimping tube end, take caution not to force the magazine tube to the correct vertical position.



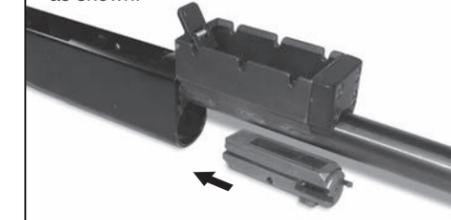
2 Place receiver on flat surface with the bottom opening facing up. With the compressible angled tip facing the rear of the receiver, insert follower assembly into rear of magazine tube (will require firm pressure to insert). **Note:** Slot for follower assembly keeper should be facing table surface.



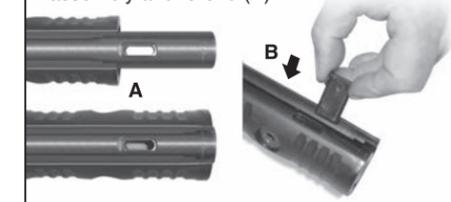
3 Install shell lifter back into receiver. Shell lifter is held in position by spring tension into corresponding holes in receiver. Squeeze ends to apply tension to ends and reinstall into receiver.



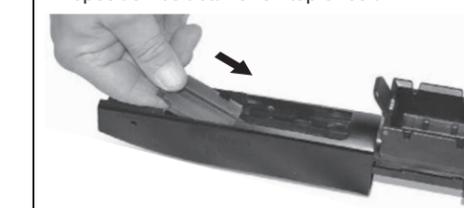
4 Reposition bolt back into shotgun receiver as shown.



5 Slide action bar and forend assembly back onto magazine tube. Align action bars with corresponding slots in receiver. Align the follower assembly keeper slot with the opening in the top of the mag tube. (A) Insert the follower assembly keeper through the hole in the mag tube and into the corresponding slot in the follower assembly and forend. (B)



6 Reposition bolt carrier on top of bolt.



7 Reinstall left shell stop only (right stop not used) into corresponding slot in receiver. Hold in place during Step 8.



8 With safety on, install trigger group by first inserting front up into the receiver and then swinging rear of group up and into the receiver. **DO NOT** pull trigger during install.



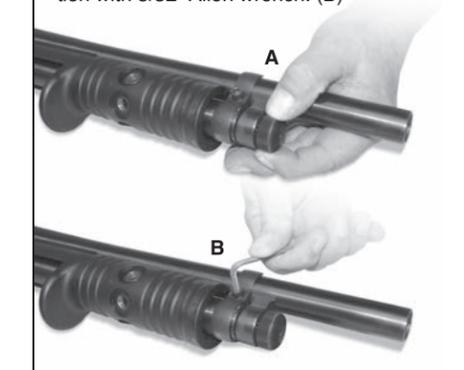
9 Reinstall drift pin through receiver to secure trigger group.



10 Partially open the breach by sliding the forend rearward. Reinstall barrel into receiver. Slide barrel clamp into position with open loop on barrel. Position barrel clamp just behind threaded barrel end. **Note:** Barrel clamp should not interfere with movement of forend during firearm use.



11 Tighten threaded capture nut into magazine tube (A). Tighten barrel clamp in position with 5/32" Allen wrench. (B)



12 Reinstall shotgun stock; refer to the factory manual if necessary. **Note:** If you have purchased a Venom-SE Kit, please refer to the M4 Stock Installation section.

**Assembly is complete.** With the safety on and firearm unloaded verify that the functions of the firearm are operating correctly.

## KELLY GRIP INSTALLATION

The Kelly grip may be used to speed up pumping action or improve reach for shorter statured shooters. To install, screw the threaded end of the grip into the desired position on the forend. Do not over tighten.

