

AXIOM™ TH Rifle Stock Owner's Manual



BLACKHAWK!®

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PAIC-K92-1209 REV. 12.09

Installation Instructions

ATTENTION: Read and follow all instructions and warnings prior to installation and/or firing a Axiom equipped firearm. **Take extra time to review the shooting tips & techniques section of this manual (Page 7).** If you are at all unsure of your ability to install your Axiom Rifle Stock safely, please seek the services of a competent gunsmith.

WARNING 1: Before beginning stock installation, make sure that the rifle is **UNLOADED**. Carefully check the chamber and magazine making both visual and touch verification.

WARNING 2: The Axiom TH Rifle Stock is not compatible with oversized trigger guards. Use of the Axiom Rifle Stock with an oversized trigger guard will cause product failure and possible injury. Note: Most factory installed trigger guards are compatible with the Axiom TH Rifle Stock.

WARNING 3: The Axiom TH Rifle Stock is not compatible with trigger guard mounted oversized safeties. Use of the Axiom TH Rifle Stock with an oversized safety will cause product failure and possible injury.

Note: Do not remove or rotate preinstalled Tension Tool until instructed to do so in Step 12. Early removal of tension tool will prohibit proper installation of stock.

TOOLS REQUIRED:

- Large Flat Blade Screw Driver
- Hex Key / Allen Wrench Set
- Included 3/32" and 1/16" Allen Wrench (Tools Packaged inside rear storage compartment. See page 8 for access directions)

INSTALLATION STEPS:

1. Remove action bolt from receiver. Remove original stock. Refer to manufacturer's instructions for the best method to remove stock. Normally the barreled action is held in position by two screws located on the bottom of the stock. Using caution not to damage screws, use the appropriate size and type of tool to remove the two screws (Fig. 1A). Note: At this point the trigger guard is disconnected from the stock. For BDL models remove bottom magazine floor plate along with magazine housing. (Fig. 1B) Remove barreled action from stock. To avoid damage, take caution when removing barreled action from original stock.



Fig. 1A



Fig. 1B

Installation Instructions Continued

2. Do not remove or rotate pre-installed Tension Tool until instructed to do so in Step 12. Early removal of tension tool will prohibit proper installation of stock. (Fig. 2)

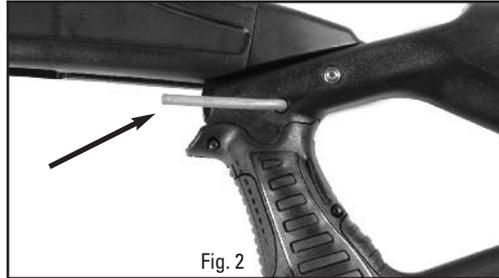


Fig. 2

3. Installation of the Axiom Rifle Stock requires the separation of the Forend from the main Thumb-hole Stock Assembly. Utilizing the provided 3/32" allen wrench, completely remove the Cross Bolt located just above and to the right of the pistol grip. (Fig. 3A) With Cross Bolt removed, separate the Forend Assembly from the Thumbhole Stock Assembly by sliding the two parts apart. (Fig. 3B)



Fig. 3A

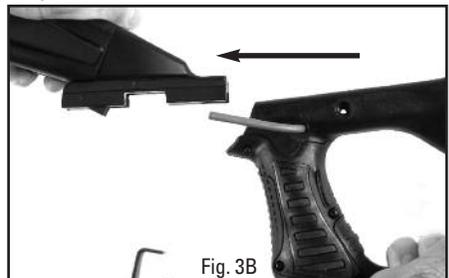


Fig. 3B

4. Separate Aluminum Slide from Forend. The

Aluminum Slide is attached to the Forend with a preinstalled bolt and lock washer. To loosen bolt, insert a 1/4" Allen Wrench (T-Handle Wrench Recommended) into the opening located on the bottom of the slide. Turn wrench counter clockwise until Aluminum Slide is free from Forend. (Fig. 4) Set Aluminum Slide aside until instructed to re-attach. Take caution not to lose mounting bolt and lock washer located inside aluminum slide.

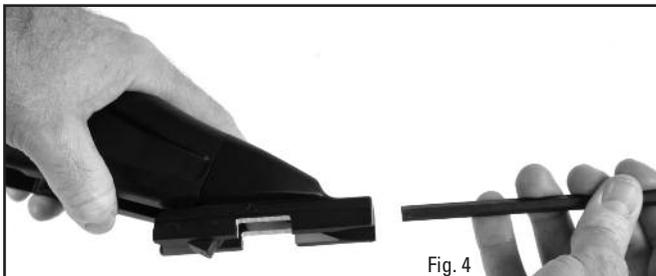
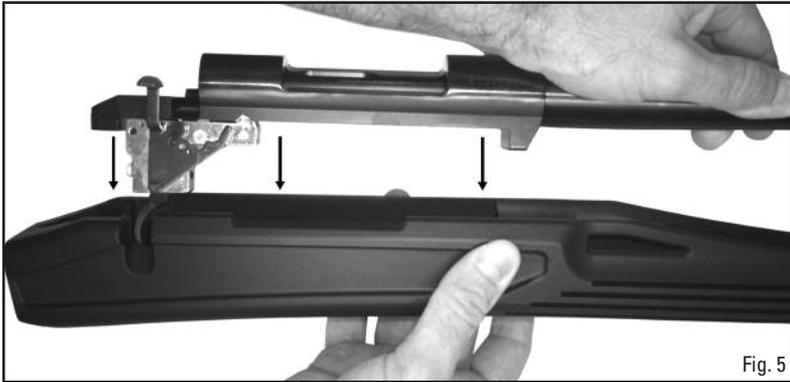


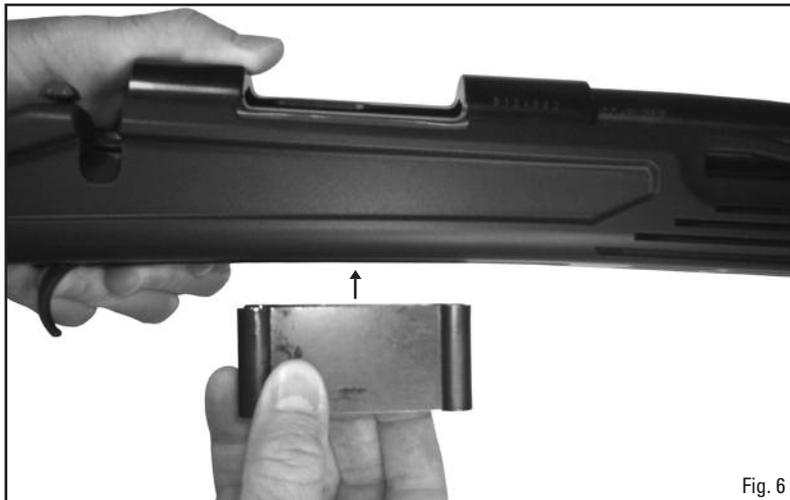
Fig. 4

Installation Instructions Continued

5. Carefully insert receiver or barreled action into the forend. Carefully align recoil lug and trigger with corresponding pockets or openings. Slowly lower barreled action into forend until it is fully seated. (Fig. 5) Note: The barreled action should slide into position with limited hand pressure and when in final position there should be very minimal movement.



6. While holding the assembly from Step 5, reinstall the magazine housing into the corresponding pocket on the bottom of the receiver. (Fig. 6) Note: To avoid damage to the hinged floor plate and trigger guard in the following steps, the magazine housing must be correctly installed in the receiver. Verify that the magazine housing is properly installed.



Installation Instructions Continued

7. Reinstall trigger guard and hinged magazine floor plate assembly. (Fig. 7) Note: It is crucial that the trigger guard and hinged magazine floor plate assembly is properly seated in the stock prior to final installation and torquing of bolts.



8. While holding the trigger guard and hinged magazine floor plate assembly in position, reinstall the two stock bolts removed in Step 1. (Fig. 8) Note: Take extra precaution not to cross thread bolts. For best performance, utilize a torque wrench and tighten bolts to a recommended torque of 65 inch lbs. Floor plate should open and close easily.



9. Re-attach Aluminum Slide to Forend. Carefully align square protrusion on rear of Forend with the corresponding square pocket on the front of the Aluminum Slide (Fig. 9) Utilize ¼" allen wrench to re-attach Aluminum Slide to rear of Forend. **Note: Take extra precaution not to cross thread bolt. If bolt feels tight or rough while tightening, stop, unthread bolt and start over.** Tighten bolt firmly until Aluminum Slide is tight against rear of Forend.



Installation Instructions Continued

10. Insert Forend Assembly (with barreled action installed) back into corresponding slot rails located in the Thumbhole Stock Assembly. Slide the Forend Assembly back completely until it stops flush against rear Recoil Spring Housing. (Fig. 10)

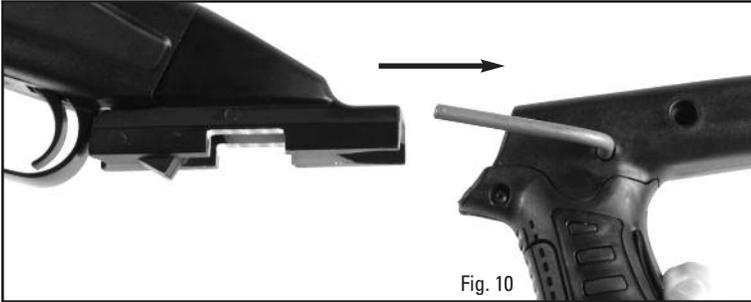


Fig. 10

11. Utilizing the provided 3/32" allen wrench, re-install the Cross Bolt that was removed in Step 3. (Fig. 11) **Note: Reinstalling the Cross Bolt may require very slight forward or rearward adjustments in the position of Forend Assembly in the rails of the Thumbhole Stock Assembly. Take extra precaution not to cross thread bolt. If bolt feels tight or rough while tightening, stop, unthread bolt and start over.** Tighten Cross Bolt firmly until it stops turning.



Fig. 11

12. Remove pre-installed Tension Tool by rotating tool CLOCKWISE 90° and pulling out away from stock. (Fig. 12) **Note: Felt resistance against Tension Tool will decrease dramatically as tool is rotated in clockwise direction. Sliding the tool out of the stock may take a gentle tug and slight rotational movements. DO NOT DISCARD TENSION TOOL, IT IS NECESSARY FOR REMOVING THE STOCK.**



Fig. 12

13. Reinstall action bolt into receiver (See firearm owner's manual for directions)

14. Installation of Axiom Rifle Stock is complete. (Fig 13) Prior to using rifle, verify correct installation of stock by checking function of action bolt, safety, magazine follower and floor plate.



Fig. 13

Interchangeable Grip Insert Directions

The Axiom TH Thumbhole Stock features interchangeable rubber grip inserts that can be installed in various combinations to customize the fit and feel of the pistol grip. The stock is shipped with the Standard Size Grip Inserts installed. Included with the stock are the following inserts; one Large Left Grip Insert, one Large Right Grip Insert and one Large Back Strap Insert. (Fig. 1)



Fig. 1



Fig. 2

Grip Removal / Install Directions:

1. Verify that the firearm is unloaded and pointed in a safe direction prior to removing or installing Grip Inserts. (Tools Packaged inside rear storage compartment).

2. Utilizing the provided 1/16" wrench, remove 4 Grip Screws located on one side of the grip. (Fig. 2) With 4 Grip Screws removed, remove plastic Grip Frame. Take caution not to damage or break Grip Frame when removing.



Fig. 3

3. Repeat Step 2 on opposite side of grip by removing aluminum grip spacers.

Note: When removing Grip Screw located nearest to the trigger, the aluminum spacer insert will become loose. Take caution not to lose or allow the spacer to fall down inside the pistol grip cavity.

4. With both Grip Frames removed, place desired sized Grip Insert into proper position on back side of Grip Frame. (Fig. 3) Repeat for both Grip Frames.

5. With the desired Grip Inserts properly positioned on the Grip Frame, align one Grip Frame back over the stock. Take the selected Back Strap Insert and hold in position on rear surface of the grip. With both the Back Strap Insert and Grip Insert in the correct position reinstall Grip Frame back onto side of stock. Reinstall side of grip with 4 aluminum spacers first.

6. Repeat Step 5 to install second Grip Insert and Grip Frame. Reinstall 4 Grip Screws.

Shooting Tips & Techniques

IMPORTANT NOTICE: During recoil, the Rifle moves rearward over the pistol grip by approximately one inch.

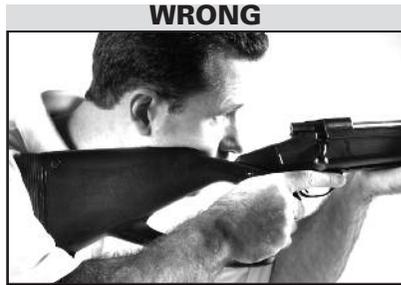


RIGHT: Maintain at least 1" space between cheek and front of stock. Maintain a comfortable cheek weld, avoid mashing or pushing face down into stock. Keep head more upright and relaxed.

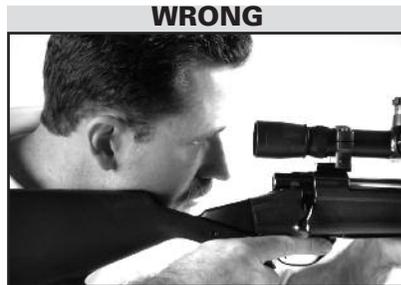


It is not necessary to pull the stock tightly into your shoulder. Instead, take a firm but not too tight a hold of the pistol grip and set the butt solidly into the pocket of your shoulder. This will allow the recoil reduction mechanisms to function most effectively. Do not pre-compress the stock.

WARNING: Due to the inherent "travel" of the firearm during recoil, a scope without proper eye relief will come back and hit you! As with any rifle, be sure to allow liberal eye relief to prevent an injury and do not let anyone shoot your firearm without checking for proper eye clearance. (See image below)



WRONG: No space between cheek and front of of will result in shooter discomfort or cheek-slap.



NOTE: When using BLACKHAWK! Stocks in conjunction with bipod accessories, it is advisable to keep the weak hand back at least an inch from the rear of the bipod mount. This precaution will avoid the possibility of recoil impact on the fore part of the weak hand. (See image below)



Rear Storage Compartment



Fig. 1

1. Verify that the firearm is unloaded and pointed in a safe direction prior to accessing the rear storage compartment.

2. Locate the compartment locking mechanism located towards the rear of the stock.

3. Insert a sturdy small narrow object, like a coin or washer, into the slot located on the compartment locking mechanism.

4. Rotate the locking mechanism counter clockwise to unlock and access the rear storage compartment.

(Fig. 1) **Note: There are symbols on the stock indicating the "locked" and "unlocked" positions.**

5. Open rear storage compartment by pulling on top of hinged rear recoil pad. (Fig. 2)

6. To close rear storage compartment, return rear recoil pad to original position and rotate locking mechanism clockwise to "locked" position. Verify that rear storage compartment locking mechanism is properly engaged prior to shooting the firearm.



Fig. 2

Forend Sling Stud Location

The forend is designed with two additional optional sling stud locations. (Fig. B)
Install additional sling stud or relocate pre-installed sling stud.

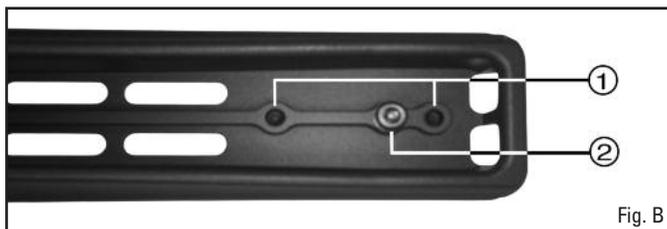


Fig. B

1. Optional pre-formed sling stud locations. (Fig. B)

2. Pre-installed sling stud location. (Fig. B)

Note: To utilize optional pre-formed sling stud locations, drill 13/32 hole through preformed mounting locations (#1 Fig B).

WARNING: To prevent damaging the composite forend take precaution to not overtighten sling stud or bi-pod accessories.

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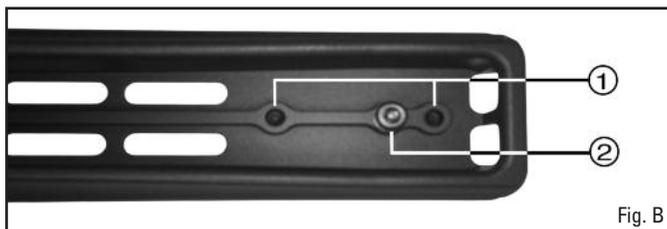


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Note: To utilize optional pre-formed sling stud locations, drill 13/32 hole through preformed mounting locations (#1 Fig B).

WARNING: To prevent damaging the composite forend take precaution to not overtighten sling stud or bi-pod accessories.

Product Maintenance & Information

MAINTENANCE:

Do not attempt to disassemble or adjust any of the recoil mechanisms. The internal springs have a 40,000+ round life expectancy and should not require replacement.

As part of regular firearm maintenance apply a small amount of "plastic safe" lubricant (not WD-40) to metal and moving surfaces. Very little lubrication is required so use sparingly (1-2 drops). Do not apply lubricants to other areas of the stock. Stocks subjected to extremes in humidity, sand, dust, or temperature should be cleaned regularly (Use compressed air if available) and lubricated with the appropriate lubricants for the environment. If the stock is submersed in saltwater, it should be thoroughly rinsed in clean water and dried thoroughly (Use compressed air if available). The exterior of the stock may be wiped clean with a cloth and cleaning products safe for plastics.

IMPORTANT INFORMATION ABOUT YOUR BLACKHAWK! AXIOM RIFLE STOCK:

The Axiom Rifle Stock should only be used with the specific firearm for which it was designed. Before removing or installing the Axiom Rifle Stock, be sure that your firearm is unloaded and follow the assembly instructions provided with this product. Check all functions of your firearm after the stock is installed. If you do not feel competent to check the proper function yourself have your gunsmith check this for you. Finally, it is important to test-fire the firearm after re-installing the Axiom Rifle Stock, but before using it in the field to be certain it functions properly and you can handle the firearm safely.

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.

Customer Satisfaction & Service

CUSTOMER SATISFACTION:

Customer Satisfaction is our number one priority so please do not hesitate to contact us with any questions or concerns.

If you have an issue with the Axiom Rifle Stock, please contact BLACKHAWK! Products Group™ with your questions or service needs. DO NOT contact the firearm manufacturer or your retailer for service. Contacting BLACKHAWK! Products Group™ directly will expedite your service. Many times your issue can be resolved quickly and easily over the phone. For product service and repair please contact BLACKHAWK! Products Group™ Customer Service at 800.694.5263. All product repairs require a Return Merchandise Authorization Number (RMA#) prior to service.

IMPORTANT NOTICE:

Please DO NOT ship any items for service without first obtaining a RMA#.

Product returns should be sent to:

BLACKHAWK!®
2100 S. Silverstone Way
Meridian, ID 83642
USA

Customer Service Phone Number:

800.694.5263 (Between the hours of 8:00 a.m. & 4:30 p.m. EST)

Important Notice Regarding Firearm Service:

For questions or service issues related to your firearm please contact the manufacturer directly. Contact information is located in your firearm manual.

BLACKHAWK! product information and owner's manual directions can be found online at www.BLACKHAWK.com