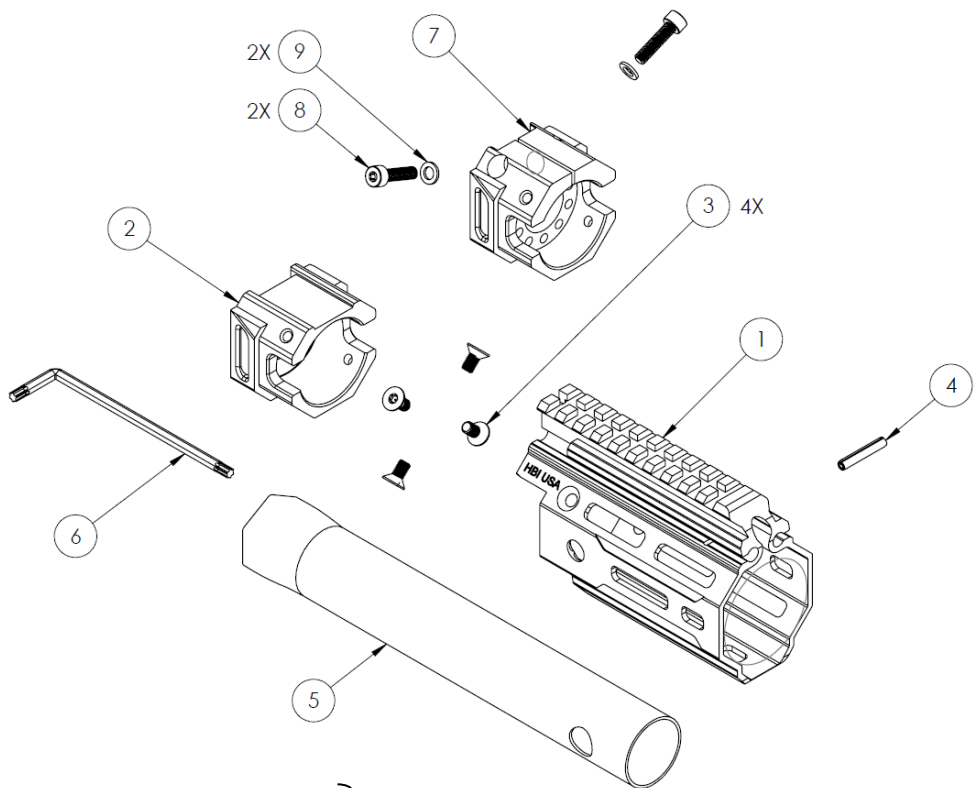


CZ Scorpion SR Handguard Installation and Users Guide



Handguard Installation

1. Unscrew and remove flash hider, brake, faux suppressor, or any other muzzle device from the barrel.
2. Remove factory barrel nut and factory handguard retaining collar (if applicable). For Scorpion 3+ models use the included barrel nut tool (Item 5). For Evo 3, there are a number of different barrel nut configurations depending on your exact Evo 3 model. There are several specialty tools available from HBI for the Evo 3, please contact us directly if you need help selecting the right tool.
3. Separate the factory handguard from the upper receiver and remove the factory charging handle by sliding it out of the receiver end of the charging handle channel. Remove front sight and factory sling mounts if applicable.
4. Install HBI Trunnion Adapter Block (Item 2 or Item 7) onto CZ barrel trunnion. The square pocket in the backside of the Trunnion Block Adapter will locate the Block onto the barrel trunnion. On Scorpion 3+ models re-install the barrel nut removed in Step 2 and torque using barrel nut tool (Item 5). On Evo 3 models install washers and screws (Items 8 and 9) as shown, torque screws to 40 in*lbs using T25 driver. Use of Loctite 243 blue is optional on all threads in this step.
5. Attach HBI Handguard (Item 1) to HBI Trunnion Adapter Block (Item 2 or Item 7) using T25 flat head screws (Item 3). Gradually tighten all four screws alternating between left and right sides of handguard to achieve even clamping force and proper alignment of charging handle channels. Torque screws to 40 in*lbs. Use of Loctite 243 blue is optional on these screws.
6. Re-install the factory charging handle by inserting it into either the left or right channel from the muzzle end of the handguard. You can also use aftermarket polymer charging handles such as the HBI ProStock (#10079), however the use of aluminum charging handles in the aluminum handguard may cause excess binding depending on the angles/rotation/forces used to charge the weapon.
7. Drive the Handguard Pin (Item 4) through the cross hole in the handguard to retain the charging handle. Use a 3mm or 5/32" punch and drive pin (Item 4) such that it is centered in the handguard.
8. If needed, re-install front sight onto handguard. The factory sights use a 3mm hex key. Installation of HBI Handguard is now complete.

Item	Description
1	SR Handguard (Multiple Lengths Available)
2	Trunnion Adapter Block, Scorpion 3+
3	T25 M5x0.8 x 10 Flat Head Screw (40 in*lbs)
4	Charging Handle Cross Pin
5	Barrel Nut Tool, Scorpion 3+
6	T25 Torx Key, Short Arm
7	Trunnion Adapter Block, Evo 3
8	T25 M5x0.8 x 20 Cap Head Screw (40 in*lbs)
9	M5 Flat Washer



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Safety Warnings

Your new HBI Handguard is made from aerospace grade aluminum. Firearms generate heat during operation and as with any other aluminum handguard, the material itself can heat up faster and hold temperature longer than a polymer or plastic equivalent. It is important that the user become familiar with the temperature characteristics of the aluminum handguard and if used in prolonged shooting activities consider using gloves to protect hands from excess heat.

Maintenance

Your new HBI Handguard is hard coat anodized type 3 class 2 black per MIL-A-8625. This is the same finish found on many other firearms, including M16/AR15 rifles. All conventional cleaning methods and chemicals can be used on the handguard, the hardware, and the trunnion mounting block.

Troubleshooting Chart

Below is a chart with possible causes and solutions for symptoms that could occur during installation and use of an HBI handguard.

Symptom	Possible Cause	Possible Fix
HBI trunnion adapter block does not fit	Trunnion Adapter Block Does Not Match Firearm	There are different Trunnion Adapter Blocks (Items 2 and 7) for the Scorpion 3+ (Item 2) and Scorpion Evo 3 (Item 7). You must use the correct Trunnion Adapter Block for your firearm.
	Barrel Trunnion Needs Deburred or Cleaned	For Scorpion 3+ remove excess locking compound from threads on barrel trunnion. For Scorpion Evo 3 lightly file or sand raised stake marks such that they are flush with the rest of the outside diameter of the CZ trunnion.
Charging Handle Drag or Binding	Handguard not indexed properly	Verify that trunnion adapter block (Item 2) is correctly installed with dowel pins facing lower receiver.
	Using aluminum charging handle	Lubricate charging handle (Hornady One Shot # 9990 is a good choice, but all conventional lubricants will work).
		Install polymer/plastic charging handle (HBI ProStock # 10079 or original CZ charging handle recommended).
	Roll Pin is dragging	Center 1.5mm roll pin in charging handle.
Screws loose	Torque	All screws should be torqued to a minimum of 30 in*lbs. The screws can be torqued to a maximum of 40 in*lbs.
	Thread locking compound	Use blue Loctite 243 on all hardware.
		Red Loctite 271 can also be used, but must be heated to 500F in order to be removed. Use very carefully.

IMPORTANT: Gunsmith installation is recommended for all HB Industries firearm products.