



Item	Description
1	Handguard (Multiple Configurations Available)
2	Mounting Plate, QD Type
3	Mounting Plate, Blank Type
4	T25 M5x0.8 x 10 BHC Screw (45 in*lbs)
5	Blue Nord Lock Type M5 Washer (OEM Re-Use)
6	Gas System Adjustment Extension Assembly
7	M5x.08 x10 T25 Flat Head Screw (13in*lbs)
8	8-32 BHCS Screw (Optional Light Mount)

Handguard Installation

- Unscrew and remove front sight and any accessories previously mounted to the factory handguard. The factory sights use a 4mm hex key. Set these components aside for later use.
- If your Bren 2 MS is equipped with a bayonet lug, remove the muzzle device and then punch out the 4.5mm roll pin from the bayonet lug and remove the bayonet lug from the barrel. The bayonet lug and 4.5mm pin can be put into storage or discarded as they will not be re-used. Reinstall the muzzle device.
- Separate the factory handguard shroud from the upper receiver by removing the two forward most T25 screws on both the left and right side of the rifle, for a total of four screws.
- Remove the factory handguard shroud from the upper receiver by pulling the handguard shroud upwards and towards the muzzle. Lightly tapping on the sling mount with a deadblow or rubber mallet may help to persuade the handguard shroud away from the mounting lugs, some rifles will be tighter than others.
- Remove the left side mounting rail by removing the three T25 screws that secure it to the upper receiver. Remove the right side mounting rail in the same manner.
- VERY IMPORTANT** : Retain four of the six blue washers removed in Step 4. They will be re-used later, note the above parts diagram (Item 5).
- Separate the bottom mounting rail by removing the two rear most T25 screws that secure the mounting rail to the barrel fixation/receiver.
- Remove the bottom mounting rail by sliding it forward towards the muzzle of the rifle.
- LIGHT MOUNT** : If your HBI handguard includes provisions for a direct mount light, install the light body onto the HBI handguard using the included screws (Item 8).
- Install Gas Adjustment Extension (Item 6) into handguard using supplied T25 Flat Head Screw (Item 7). Ensure that the 1/8" round mounting boss on the Gas Adjustment Extension (Item 6) is correctly fit into the mating hole in the 1913/picatinny side of the handguard (Item 1). Using a T25 driver torque the mounting screw (Item 7) to 17 in*lbs or 2 N*m. Use of Loctite 243 blue is optional.
- Fit HBI handguard (Item 1) onto upper receiver by sliding the handguard over the muzzle of the rifle and into position. Take care to align the Gas Adjustment Extension (Item 6) to the factory gas key.
- Attach HBI handguard (Item 1) to upper receiver using supplied mounting plates (Item 2 and 3) as shown. Re-use four of the six blue washers (Item 5) removed in Step 4. Install one blue washer (Item 5) under the head of each T25 mounting plate screw (Item 4) as shown in the diagram above, then torque each screw (Item 4) to 45 in*lbs or 5 N*m. Optionally, and in addition to the blue washers, Loctite 243 blue or 271 red can be used on the T25 screws. In every case, the blue Nord Lock washers (Item 5) **MUST** be used.

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



CZ Bren 2 MS Handguard Installation and Users Guide

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, mounting plates, and hardware.

Troubleshooting Chart

Below is a chart with possible causes and solutions for symptoms that could occur during installation and use of an HBI handguard on your CZ Bren 2 MS.

Symptom	Possible Cause	Possible Fix
Screws Loose	Use Blue Washers	Verify that factory Blue Nord Lock washers (Item 5) have been used under all T25 mounting screws (Item 4).
	Thread locking compound	Blue Loctite 243 or similar can be used on all hardware. Red Loctite 271 or similar can be used, but must be heated to 500F in order to be removed. Use very carefully.
	Torque	T25 Handguard mounting screws (Item 4) should be torqued to 45 in*lbs or 5 N*m. T25 Gas Extension mounting screw (Item 7) should be torqued to 13 in*lbs or 1.5 N*m.
Direct Mount Light	Incompatible Light Body	Our handguards are designed to mate with Surefire™, StreamLight™, and other popular bodies, with hole spacing of 21.50mm.
	Hardware Access	Install light body onto HBI handguard (Item 1) BEFORE mounting handguard to rifle. Use “ball-end” type 3/32” hex or allen key to install fasteners into light body, access heads through opposing side.
Gas Key Difficult to Turn	Adjust Alignment	With the handguard (Item 1) installed on the firearm, loosen then re-torque the T25 Gas Extension mounting screw (Item7).
	Knob Orientation	Our gas adjustment knob is asymmetrical and can be installed with the long/short flanges facing either direction. To change the orientation of the knob simply remove the Gas System Adjustment Extension, rotate the knob 180 degrees, and re-install the Gas System Adjustment Extension.

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