

Marlin Barrel Band & Rossi 92 MAS Handguard Installation Instructions

For Ranger Point Precision Marlin 336, Marlin 1894, Rossi 92, and compatible Barrel
Band Models

IMPORTANT SAFETY INFORMATION

Before beginning installation:

- Ensure the firearm is completely unloaded
- Open the action and visually inspect the chamber
- Verify the magazine tube is empty
- Remove all live ammunition from the workspace
- Wear eye protection

Tools Required

- Non-marring hammer
- Non-marring punch
- Flathead screwdriver
- Included Allen keys
- Blue or Purple Loctite
- Inch-pound torque wrench

Torque Specifications

Use a calibrated inch-pound torque wrench whenever possible.

Fastener Type	Torque Spec
RPP Receiver Screws	10 in-lbs
RPP Barrel Band All Screws	6 in-lbs
Factory Tenon Screws	8 in-lbs
Handguard Alignment / Set Screws	Hand Tight Only
Barrel Contact Set Screws	Hand Tight Only

Thread Locker

Apply Blue (242) or Purple (222) Loctite to all mounting screws unless otherwise specified.

Important

- Handguard set screws for alignment.
- Set screws should only lightly contact the barrel.
- Overtightening set screws can affect handguard alignment and damage threads.
- Verify handguard alignment before applying final torque.
- Allow the thread locker to cure before firing.

Included Hardware

Your handguard package includes:

- M-LOK Handguard
- RPP Adjustable Barrel Band
- Barrel Band Mounting Screws
- Alignment Set Screws
- Allen Keys

Features

- M-LOK slots at 3, 6, and 9 o'clock
- Integrated QD sling sockets
- Threaded 10-32 sling stud mounting point

Installation Instructions

Step 1 – Verify Firearm is Unloaded

Before starting:

1. Open the action.
2. Verify the chamber is empty.
3. Verify the magazine tube is empty.
4. Remove all ammunition from the work area.

DISASSEMBLY

Step 2 – Remove Front Barrel Band

1. Remove the front barrel band screw.
2. Carefully remove the front barrel band.

NOTE

If equipped with a threaded barrel, it may be necessary to remove the thread protector before removing the barrel band.

Step 3 – Remove Rear Barrel Band

1. Remove the rear barrel band screw.
2. Maintain control of the magazine tube and spring.
3. Carefully release spring tension.

WARNING

The magazine tube spring is under tension.

Maintain control of all components during removal.

Step 4 – Remove Magazine Tube

1. Remove the magazine tube end cap.
2. Remove the magazine spring.
3. Remove the magazine tube from the rifle.

Step 5 – Remove Factory Handguard

1. Slide the rear barrel band forward and remove it.
2. Remove the factory handguard from the rifle.

NOTE

Factory handguards may fit tightly between the receiver and barrel.

Use care during removal to avoid damaging the firearm or handguard.

HANDGUARD INSTALLATION

Step 6 – Install RPP Barrel Band

Orient the barrel band correctly:

- Threaded adjustment hole faces upward.
- Set screw aligns with the barrel groove.
- 1. Slide the barrel band onto the barrel.
- 2. Align the set screw with the barrel groove.
- 3. Install the supplied set screw.
- 4. Tighten lightly.

IMPORTANT

Do not overtighten.

The barrel band is designed to accommodate variations in barrel diameter.

A small amount of movement is normal at this stage.

Step 7 – Install Handguard

1. Position the handguard onto the rifle.
2. Insert the rear flange into the receiver.
3. Ensure the handguard is fully seated.

Step 8 – Install Barrel Band Mounting Screws

1. Align the handguard with the barrel band.
2. Install the supplied mounting screws through the handguard into the barrel band.
3. Leave slightly loose for final alignment.

IMPORTANT

Do not fully tighten at this stage.

Step 9 – Reinstall Magazine Tube

1. Reinstall the magazine tube.
2. Ensure the magazine tube is properly indexed.
3. Reinstall the front barrel band.

NOTE

The magazine tube and barrel grooves must align correctly before installing hardware.

Step 10 – Reinstall Magazine Spring and End Cap

1. Reinstall the magazine spring.
2. Compress the spring carefully.
3. Reinstall the magazine tube end cap.
4. Reinstall the end cap screw.

WARNING

Maintain constant pressure on the magazine spring during installation.

Step 11 – Install Upper Barrel Band Screw

1. Install the upper barrel band screw.
2. Torque to 6in/lbs.

IMPORTANT

Do not overtighten the upper barrel band screw.

The barrel band is designed to accommodate variations in barrel diameter between manufacturers and production runs.

The upper screw secures the barrel band while the rear alignment set screws stabilize the handguard.

Step 12 – Install Rear Alignment Set Screws

1. Install the rear alignment set screws.
2. Tighten until they lightly contact the barrel.

IMPORTANT

- Do not overtighten.
- Hand tight only.

FINAL ALIGNMENT

Step 13 – Center Handguard

Visually inspect the gap between the handguard and barrel.

Adjust until:

- Both sides appear even.
- The handguard sits parallel to the barrel.
- The magazine tube remains properly aligned.

Step 14 – Final Tightening

After confirming alignment:

- Barrel Band Mounting Screws: 6 in-lbs
- Upper Barrel Band Screw: 6 in-lbs
- Alignment Set Screws: Hand Tight Only

IMPORTANT

- Set screws should only lightly contact the barrel.
- Do not apply additional torque after barrel contact is achieved.
- Allow thread locker to cure before firing.

MAS & Gator Rail Installation

The MAS system utilizes one or two Gator Rails mounted to the top of the handguard.

Step 15 – Position Gator Rail

1. Determine the desired Gator Rail location.
2. Place the Gator Rail into the mounting pocket on top of the handguard.
3. Verify orientation before installing hardware.

NOTE

- Most users will orient the Gator Rail toward the muzzle.
- A second Gator Rail may be installed in the forward position if desired.

Step 16 – Install Gator Rail Mounting Screws

1. Position the Gator Rail onto the handguard.
2. Install the four supplied large-head mounting screws.
3. Start all screws by hand.
4. Verify the Gator Rail sits flush against the handguard.

IMPORTANT

- Do not cross-thread the screws.
- Test fit all hardware before applying thread locker.

Recommended

1. Install all four screws dry.
2. Verify proper fitment.
3. Remove one screw at a time.
4. Apply Blue or Purple Loctite.
5. Reinstall the screw.

Step 17 – Install Jack Screws

The four jack screws install directly behind the mounting screws.

1. Install all four jack screws.
2. Tighten until they lightly contact the handguard mounting surface.

IMPORTANT

Do not overtighten.

The mounting screws and jack screws work against one another to securely clamp the Gator Rail to the handguard.

Step 18 – Final Tightening

After confirming alignment:

- Gator Rail Mounting Screws — Hand Tight
- Jack Screws — Hand Tight

IMPORTANT

- Apply Blue or Purple Loctite to the mounting screws.
- Do not overtighten.
- Excessive torque may damage aluminum threads.
- Verify the Gator Rail remains seated flush against the handguard.

Final Inspection

Before use:

- Verify all screws are secure.
- Ensure the handguard is centered.
- Verify proper magazine tube alignment.
- Cycle the action to verify proper function.
- Confirm no interference between the handguard, barrel, or magazine tube.

Installation is now complete.