

# **S&W 1854 PewView Handguard Installation Instructions**

For Ranger Point Precision Smith & Wesson 1854 rifles

## **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**

- T10 Torx driver
- Included Allen keys
- Blue or Purple Loctite
- Torque Wrench

# Torque Specifications

Use a calibrated inch-pound torque wrench whenever possible.

<b>Fastener Type</b>	<b>Torque Spec</b>
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:

- S&W 1854 M-LOK Handguard
- (2) Mounting screws
- (4) Set screws
- (2) Allen keys

Features include:

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

## Before You Begin

### Verify Correct Handguard Orientation

Locate the "S" marking on the handguard.

This marking identifies the handguard as the Smith & Wesson 1854 model.

**IMPORTANT:**

- Open end faces the muzzle
- Flanged end faces the receiver

If installed backward, the mounting holes will not align properly.

# **Installation Instructions**

## **Step 1 – Verify Firearm is Unloaded**

Before starting:

1. Open the action
2. Visually inspect the chamber
3. Verify the firearm is unloaded
4. Remove all ammunition from the work area

## **Step 2 – Remove Magazine Tube**

1. Unscrew the magazine tube cap
2. Withdraw the magazine tube from the rifle
3. Set aside

No tools are required for this step.

## **Step 3 – Remove Factory End Cap**

Using a T10 Torx driver:

1. Remove the first end cap screw
2. Remove the second end cap screw
3. Remove the factory end cap

Set all factory hardware aside for safekeeping.

## **Step 4 – Remove Factory Handguard**

1. Pull the factory handguard away from the barrel
2. Remove from the rifle

NOTE:

The factory tenon remains installed and will be reused during installation.

## **Step 5 – Apply Thread Locker**

Apply a small amount of:

- Purple Loctite (recommended)
- Blue Loctite (acceptable alternative)

To:

- Both mounting screws
- All four set screws

IMPORTANT:

Do NOT use red Loctite.

## **Step 6 – Install Handguard**

1. Orient the handguard correctly:
  - Open end toward muzzle
  - Flanged end toward receiver
2. Insert the receiver flange into the receiver
3. Tilt the handguard upward toward the barrel
4. Align the mounting holes with the factory tenon

The handguard should seat fully without force.

## **Step 7 – Reinstall Magazine Tube**

1. Insert the magazine tube through the rear of the handguard
2. Fully seat the magazine tube into position

This helps align the handguard and tenon before hardware installation.

## **Step 8 – Install Mounting Screws**

Using the supplied Allen key:

1. Install one mounting screw on each side of the handguard
2. Insert screws through the larger mounting holes
3. Thread into the factory tenon

**IMPORTANT:**

- Install one oval washer under each mounting screw
- Orient each oval washer so the offset hole is closer to the bottom of the handguard
- Tighten lightly only at this stage

Do not apply final torque yet.

## **Step 9 – Install Set Screws**

Install all four set screws:

### **Front Set Screws**

- Located directly above the mounting screws
- Thread straight inward

### **Rear Set Screws**

- Located near the receiver
- Thread inward at an angle

## IMPORTANT:

- Start all four screws before tightening
- If resistance is felt, stop and verify alignment
- Do not cross-thread the screws

## Step 10 – Center the Handguard

Visually inspect the gap between the handguard and barrel at the muzzle end.

Adjust until:

- Equal gap exists on both sides
- Handguard appears centered and parallel to the barrel

This alignment should be completed before final tightening.

## Step 11 – Tighten Set Screws

Tighten the four set screws evenly until they just contact the barrel.

**Torque Specification:** Hand Tight Only

The purpose of these screws is to:

- Maintain handguard alignment
- Prevent movement
- Keep the handguard centered on the barrel

Do not overtighten.

## Step 12 – Final Tightening

With the handguard centered:

1. Tighten both handguard mounting screws evenly.
2. Verify the handguard remains centered around the barrel.
3. Recheck all four set screws.

### Torque Specifications:

- **RPP Mounting Screws:** 10 in-lbs
- **Factory S&W 1854 Tenon Screws:** 8 in-lbs (if removed/reinstalled)

Allow thread locker to cure per manufacturer recommendations before use.

# PewView Heat Shield & Rail Installation

## Step 13 – Install Heat Shield

Orient the heat shield correctly:

- Slotted end faces the muzzle.
  - Two threaded holes face the receiver.
1. Slide the heat shield onto the top of the handguard.
  2. Ensure the heat shield is fully seated.
  3. Install the four supplied heat shield screws.
  4. Start all screws by hand.

### IMPORTANT

- Do not cross-thread the screws.
- Tighten evenly.
- Heat shield screws should be hand tight only.

## **Step 14 – Center Heat Shield**

Inspect the muzzle end of the handguard.

Adjust the heat shield until:

- Equal spacing exists on both sides.
- The heat shield is centered over the barrel.

If necessary:

1. Adjust the front alignment set screws.
2. Allow the set screws to lightly contact the barrel.
3. Verify the heat shield remains centered.

### **IMPORTANT**

Set screws should only lightly contact the barrel.

## **Step 15 – Prepare Receiver**

If equipped with factory receiver plug screws:

1. Remove all four receiver plug screws from the top of the receiver.
2. Set aside.

### **NOTE**

Pistol caliber models may have only three receiver mounting holes.

## **Step 16 – Install Receiver Rail**

1. Position the receiver rail on top of the receiver.
2. Align the rear rail holes with the threaded holes in the heat shield.
3. Install the four receiver rail screws loosely.
4. Install the two rail-to-heat shield screws loosely.

## **IMPORTANT**

Do not apply final torque at this stage.

All six screws should remain loose to allow final alignment.

## **Step 17 – Final Rail Alignment**

1. Verify the rail sits flat against the receiver.
2. Verify the heat shield remains centered.
3. Verify the handguard remains centered around the barrel.
4. Allow the rear set screws to lightly contact the barrel.

## **Step 18 – Final PewView Tightening**

Tighten hardware in the following order:

1. Heat Shield Screws (4) — Hand Tight
2. Rail-to-Heat Shield Screws (2) — Hand Tight
3. Receiver Rail Screws (4) — 10 in-lbs

## **IMPORTANT**

- Apply Blue or Purple Loctite to the receiver rail screws.
- Verify alignment before applying final torque.
- Set screws should only lightly contact the barrel.

# Final Inspection

Before use:

- Verify all screws are secure
- Confirm handguard is centered
- Ensure magazine tube is fully seated
- Cycle the action to verify proper function
- Confirm no interference between handguard and barrel

Installation is now complete.

## Optional S&W 1854 Buttstock Installation

If installing an RPP S&W 1854 Buttstock:

### Tools Required

- T20 Torx driver

### Installation

1. Remove the factory upper tang screw
2. Slide the RPP buttstock onto the rear tang
3. Tap gently into place if necessary
4. Reinstall the tang screw
5. Tighten securely

Installation is complete.