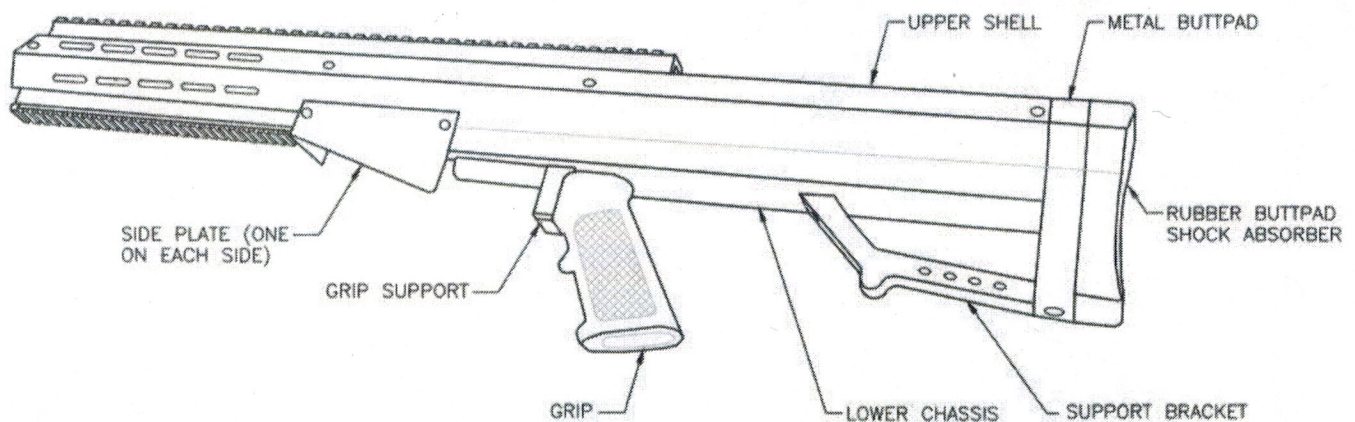


RSM Mini-50 10/22 Conversion Kit



Warning:

Read the instructions and warnings in this manual carefully before performing any steps.

Keep the muzzle pointed in a safe direction and engage the safety. Remove magazine from firearm and visually and physically check the chamber to ensure that the rifle is free of ammunition. Refer to your owner's manual for instructions.

It is the responsibility of the owner/user to comply with all Federal and State laws and regulations. Verify with Federal and State officials prior to use of this kit.

Parts and plastic bags pose a choking hazard. Keep all parts out of the reach of children and properly dispose of plastic bags.

It will be required to remove the stock from the Ruger™ 10/22 rifle. Refer to your Ruger™ owner's manual for instructions and follow all safety requirements. It is recommended to have a professional gunsmith perform installation of this kit.

This kit is designed for use with a stock Ruger™ 10/22 rifle. Many aftermarket accessories will function with this kit. Verify aftermarket accessories for fit and function prior to installation or assembly.

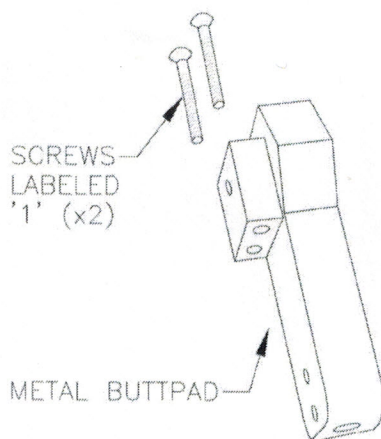
Read through the entire manual prior to assembling any parts.

Verify all parts listed are contained within the kit.

Each Kit contains the following parts:

- Four Allen Wrenches (Sizes: 5/32", 1/8", 3/22", and 2mm)
- Upper Shell
- Lower Chassis
- Grip Support
- Grip
- Metal Buttpad
- Metal Buttpad Support Bracket
- Rubber Buttpad (Shock Absorber)
- Side Plates (x2)
- Package of sorted Machine Screws:
 - ⇒ (Package Labeled '1') (Qty.2) Metal Buttplate to Lower Chassis (top) Screw. (10/32x1")
 - ⇒ (Package Labeled '2') (Qty.1) Lower Chassis to Metal Buttplate Support Bracket Screw. (1/4-20x5/8")
 - ⇒ (Package Labeled '3') (Qty.1) Support Bracket to Metal Buttplate Screw. (8-32x5/8")
 - ⇒ (Package Labeled '4') (Qty.1) Lower Chassis to rear of Ruger™ 10/22 Cross Bolt. (1/4x1-1/2")
 - ⇒ (Package Labeled '5') (Qty.1) Lower Chassis to underside of Ruger™ 10/22 Bolt. (12-24x1/2")
 - ⇒ (Package Labeled '6') (Qty.4) Grip Support to Lower Chassis Screw. (6-32x5/8")
 - ⇒ (Package Labeled '7') (Qty.2) Rubber Buttpad to Metal Buttpad Screw. (10-32x3/4")
 - ⇒ (Package Labeled '8') (Qty.1) Grip to Grip Support Screw. (1/4-28x3/4")
 - ⇒ (Package Labeled '9') (Qty.8) Lower Chassis to Upper Shell Screw. (8-32x3/8")
 - ⇒ (Package Labeled '10') (Qty.4) Sideplate to Lower Chassis Screw. (6-32x3/8")

It is recommended to utilize green lock tight on all machine screws during assembly.
(not included in kit)

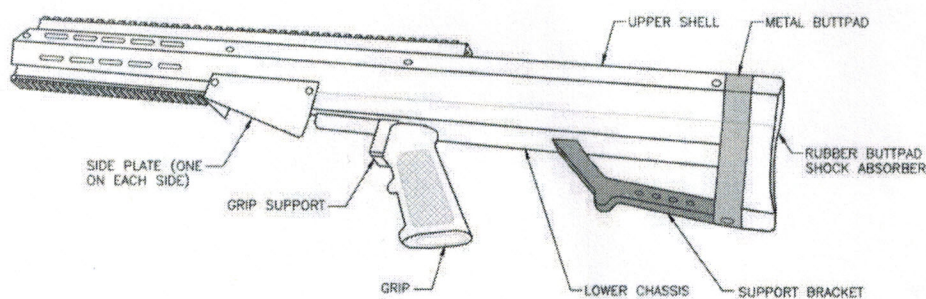
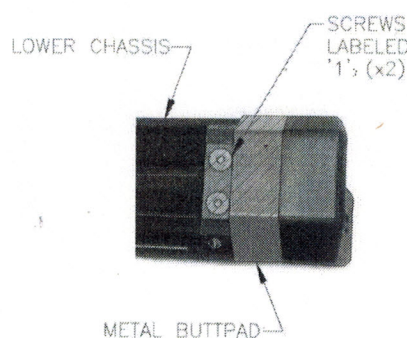
**Step 1:**

Attach Metal Buttplate to Lower Chassis.

Install two Screws from package labeled "1".

Note: Do not fully tighten Screws. Leave Screws a few threads loose while installing Metal Buttplate to Lower Chassis to allow for easier installation and alignment of Support Bracket.

Continue to step 2.

**Step 2:**

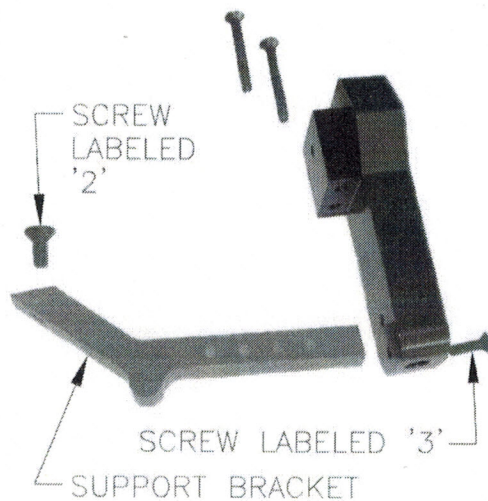
Attach Metal Buttplate Support Bracket to Lower Chassis.

Install one screw in package labeled "2", between Lower Chassis and Support Bracket.

Install one Screw in package labeled "3" between Support Bracket and Metal Buttplate.

Note: Do not fully tighten Screws. Leave Screws a few threads loose while installing Support Bracket to Lower Chassis and Metal Buttplate to allow for easier installation and alignment of parts.

Continue to step 3.

**Step 3:**

After parts are aligned, hand tighten each of the four Screws that were installed during steps 1 through 3.

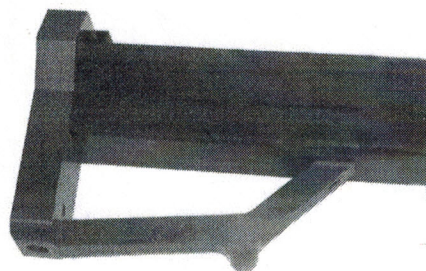
Tighten each screw as follows:

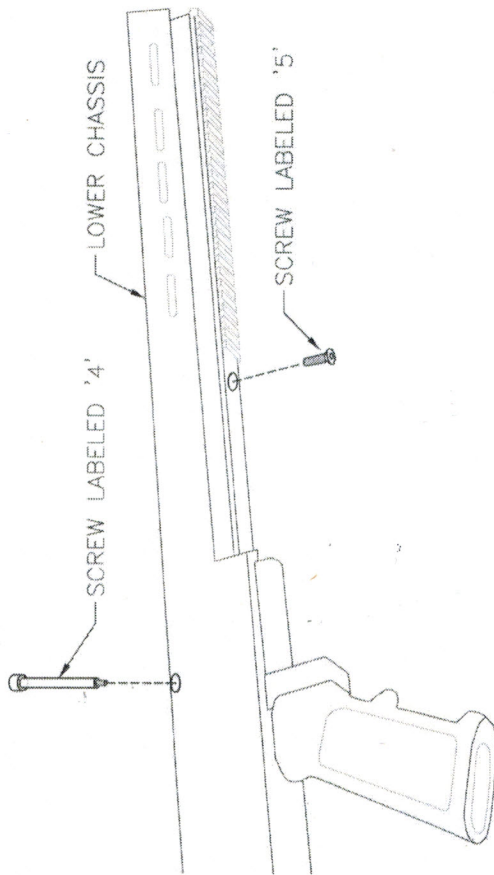
Lower Chassis to Metal Buttplate Screw '1' snug.

Support Bracket to Metal Buttplate Screw '2' snug.

Lower Chassis to Support Bracket Screw '3' snug.

Continue to Step 4.



**Step 4:**

WARNING: Verify firearm is clear. Verify there is no magazine in the firearm. Verify firearm is unloaded and chamber is clear. Keep bolt locked in the open position utilizing the 10/22 bolt hold-open tab.

Remove Ruger™ cross bolt pin from 10/22 receiver (where screw 4 will be installed). Install the Ruger™ 10/22 receiver into the Lower Chassis. Carefully align the Ruger™ 10/22 openings with the corresponding Lower Chassis locations for screw '4' and screw '5'.

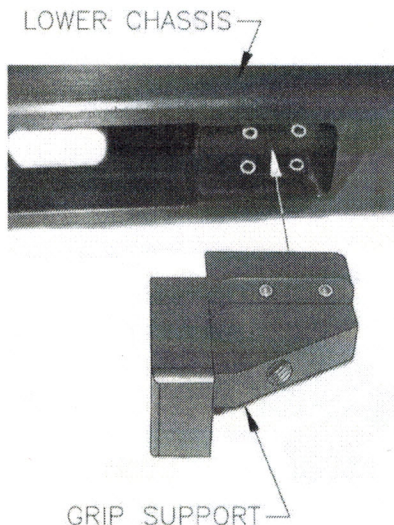
Install Screw in package labeled "4", for the Ruger™ Cross Bolt, securing the rear of the 10/22 receiver with the Lower Chassis. Loosely install Screw in package labeled "5" at underside of Lower Chassis to attach the underside of the 10/22 receiver.

Tighten each Screw as follows:

Lower Screw '4' snug.

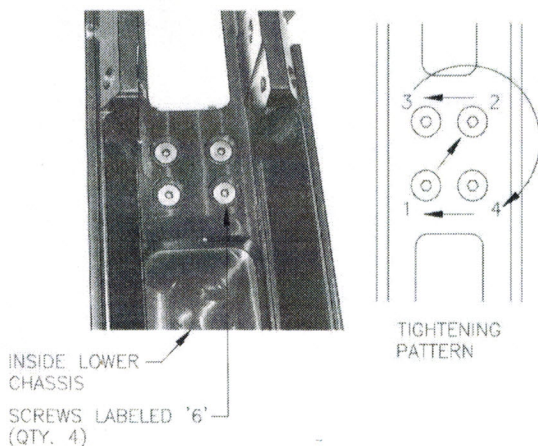
Rear Screw '5' snug.

Continue to step 5.

**Step 5:**

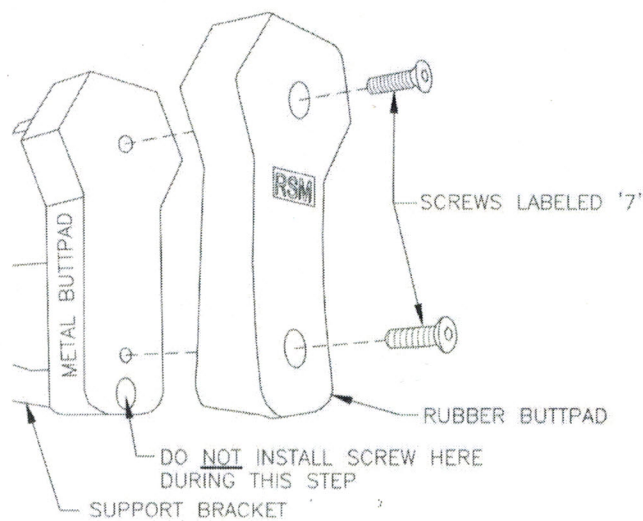
Install Grip Support.

Line up the Grip Support with the Lower Chassis, behind 10/22 trigger guard. Install four Screws in package labeled "6" from the top of the Lower Chassis to secure Grip Support to Lower Chassis. Install each Screw loosely and then slightly hand tighten in the pattern indicated.



After hand tightening, tighten each Screw following the pattern indicated snug.

Continue to Step 6.

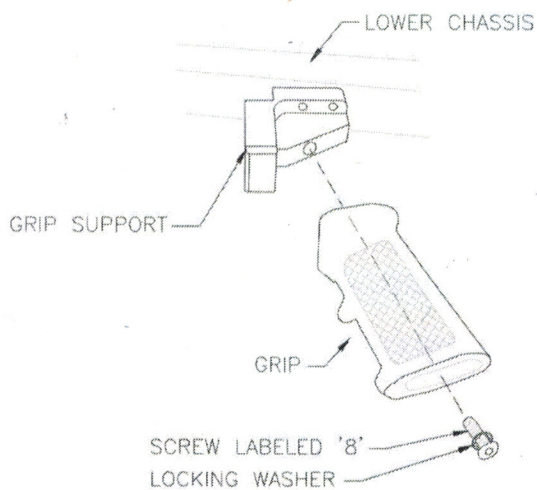
**Step 6:**

Install Rubber Buttpad to Metal Buttpad.

Install two Screws in package labeled "7" to attach Rubber Buttpad to Metal Buttpad.

Tighten each Screw '7' snug.

Continue to Step 7.

**Step 7:**

Attach grip to grip support with one Screw in package labeled "8". Verify that locking washer is installed on Screw when locking washer is included in the kit.

Tighten Screw '8' snug.

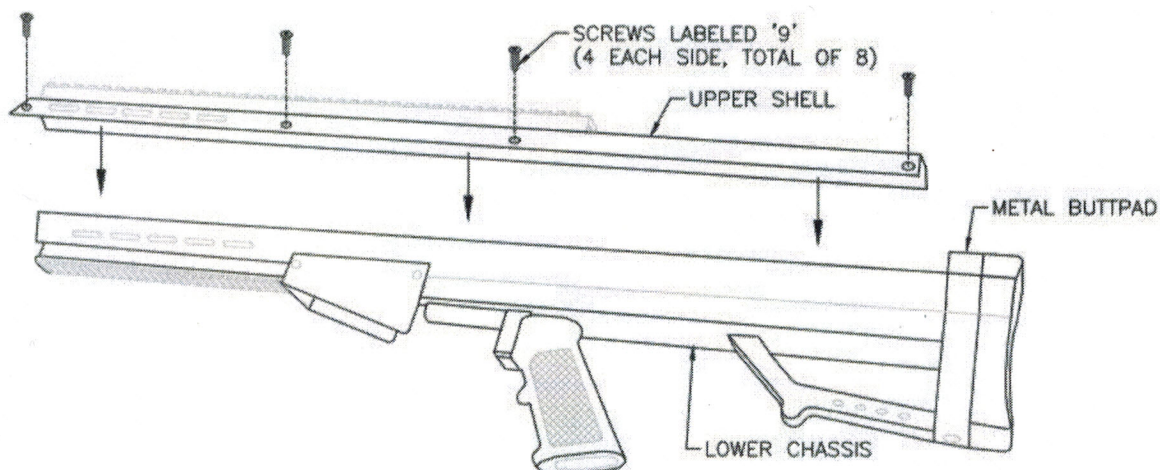
Continue to step 8.

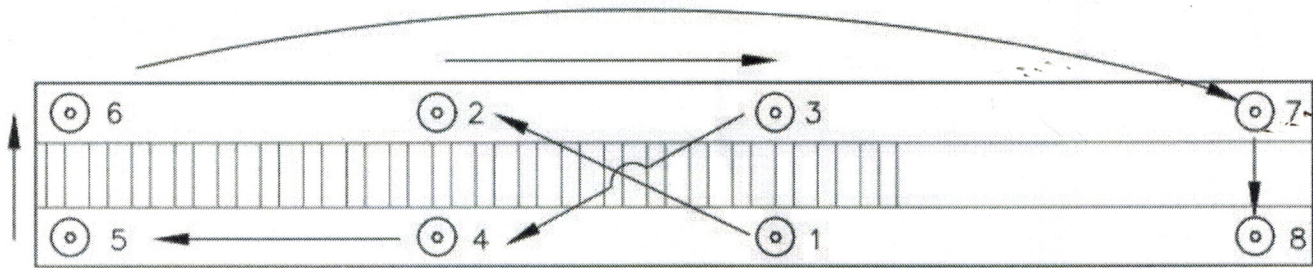
Step 8:

Attach the Upper Shell to the Lower Chassis.

Loosely install the eight Screws in package labeled "9".

Ensure that the orientation of the heads of each Screw is installed parallel with the surface plane to not strip the Screw. Loosely install each Screw and check each for proper alignment.



**Step 8 Continued:**

Hand tighten in the pattern indicated. Verify that the Upper Shell is properly aligned with the Lower Chassis and then tighten each Screw snug in the same pattern.

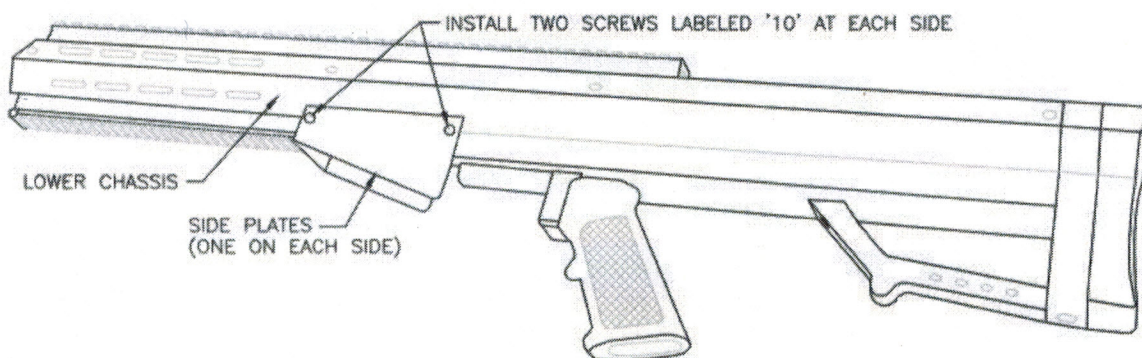
Continue to step 9.

Step 9:

Attach the two Side Plates to the Lower Shell.

Install two Screws in package labeled "10" at each Side Plate. Ensure the orientation of the Side Plate is as pictured. Tighten each Screw snug.

Continue to step 10.

**Step 10:**

Verify that there is no magazine in the firearm. Verify that the firearm is unloaded and that the chamber is clear. Verify that the bolt slides freely.

This kit is patent pending.

Additional kit accessory information can be found by visiting us at www.rsmfirearms.com.

- Muzzle Break
- Bipod
- Monopod
- Carry Handle
- 3x9x40 Scope
- Target Barrel
- Trigger
- Charging Handle
- Magazine Shroud
- Advanced Grip
- With more coming soon!