

RANSOM "MASTER SERIES" REST

INSTRUCTIONS

Your Ransom Rest has been designed to give a maximum of accuracy at minimum cost. It uses a new concept in its recoil dampening system. The trigger release is also new in concept and simplicity. Everything was designed to bring the shooter a tool for testing that is portable, accurate and simple.

BE POSITIVE THAT THE GUN IS UNLOADED BEFORE INSERTING OR REMOVING IT FROM THE REST.

HAVE YOUR GUNSMITH CHECK ANY AUTOMATIC THAT DOUBLE FIRES OR THE HAMMER WILL NOT STAY IN THE COCKED POSITION WHEN THE SLIDE RETURNS TO BATTERY.

USE ONLY THE PROPER GRIP INSERT, REMOVE GRIPS FROM THE GUN TO BE TESTED, EXCEPT WHERE NOTED OTHERWISE.

I Mounting the Ransom Rest without Windage Base

Your Ransom Rest is designed to be mounted on plywood, which in turn is attached with C-clamps to a sturdy, permanently mounted bench, at your pistol range. Select a good grade of 3/4" or 1" plywood, 14" wide and long enough to extend across the shooting bench you will be using. Three C-clamps are sufficient, one in front and two in the rear. If extensive hard ball or magnum testing is to be done, the addition of another clamp on the front is recommended.

To the bottom side of the mount-board, glue and nail two strips of wood, 2" x 1/2" x 14" at the front and rear. These are to keep the center of your mount-board from contacting the bench. Your mount-board should contact the bench only on the front and rear 2" strips.

Remove the rocker assembly; with a 9/16" wrench back off the friction tension bolt on the left side and remove rocker assembly. Place base on your mount-board centered, two-thirds of the distance toward the rear, centered from side to side. Mark screw hole locations. Drill pilot holes for #10 wood screws (supplied). Place the base over its mounting position and install screws, tighten securely. Re-assemble rocker to base.

IMPORTANT, be sure that the compression spring on the side of the Ransom Rest is always kept at 1&1/2 inches.

While the above mounting method is preferred by us, the Ransom Rest will work equally well mounted to a steel base or atop a concrete base.

II Mounting of Pistol

1. Place your Ransom Rest on the bench at the position you have selected, attach C-clamps to the bench and mount-board, tighten moderately.

2. Remove the three star nuts and the outside clamp plate. Slide the inside Grip Insert for the gun to be tested on to the rocker assembly. Seat this insert all the way down on the holding studs. Place outside Grip Insert on the Holding studs and insert the gun to be tested into the inside Grip Insert. Press the outside insert into position, moving the gun slightly to make sure it is properly seated. Place outside clamp plate on the holding studs, install washers and star nuts.

3. Tighten star nuts, one-half turn at a time, alternating "A" to "B", until both nuts are finger tight. Tighten nut "C" just until it is snug. The most important part of this operation is to make sure the gap between the inserts is the same, front to rear and top to bottom. Some revolver inserts will not have any gap in them when properly tightened. Do NOT tighten star nuts with anything except finger pressure!

III Operation

1. Two holes are provided in the trigger release finger to get proper positioning of the finger on various guns. Adjust the release finger so that it comes in contact with the center of the trigger, and the trigger release bar is about level. On revolvers do this with the gun in the cocked position. Check double action revolvers to make sure the trigger has enough travel after the hammer has been released for it to come forward its full travel.

2. Adjust your gun for elevation with the elevation screw. When elevation is set, tighten the lock nut on the screw. Adjust windage and tighten all C-clamps securely.

3. The trigger release is easy to use in most any manner. We recommend, to start with, you depress the bar with you thumb while your index finger is supported by the tension spring. Stand well to the rear of the rest, depress the bar down and slightly outboard toward the index finger.

4. After each shot, depress the rocker assembly back to the stop pad with the return lug on the right side of the rocker. DO NOT USE THE GUN AS A LEVER!

NOTE: Certain handguns present special situations in using the Ransom Rest. Please read the attachment ("Special Situations") to ascertain if your gun presents one of the stated "situations".

5. Load and fire five or more settling shots over your target. Now you are ready to shoot your group on the target.

6. We recommend that all test strings be of 10 or more shots. When you change ammunition be sure that you fire several fouling shots with the ammunition to be tested before you record your group.

NOTE:The small cap nut on the rear of the rocker assembly is a safety stop for automatics. Remove this and the Allen stud when testing large magnum revolvers. Make absolutely sure that this is in place when you are testing any automatic.

MAINTENANCE: The only thing your Ransom Rest might need if it has been kept inside when not in use, is a cleaning of the friction discs. Remove the rocker assembly from the rest base as mentioned in the directions. Clean both the fiber and metal discs with acetone or lacquer thinner. Use 320-grade wet/dry sandpaper to remove any rust or contamination of the steel disc. For the fiber disc use 180 grade. Remove any dark areas by using a sanding block.

When both discs are clean as well as the pivot pin and bushing, place a small amount of lubriplate inside the pivot bushing, coating the inside completely. Press the rocker assembly onto the pivot pin and slide it into position. Any excess grease will be pushed to the out side end of the rocker assembly. Under no circumstances should any grease or oil be allowed on the friction disc. Reassemble the friction spring and thrust bearing compress spring to 1 1/2" over all length.

SPECIAL SITUATIONS

Certain handguns present special situations when fired in the Ransom Rest. Most often this occurs when you are firing a polymer-frame pistol, such as a Glock, or when you are shooting a large revolver or a single shot in a heavy recoiling caliber. There are some things that help with both situations. In neither case will you find the solution in over-tightening the "star" nuts (A, B, & C) or tightening the main coil spring adjustment to less than the required length of 1 & 1/2 inches.

Polymer-frame autos sometimes compress slightly when gripped in the inserts. Over-tightening compresses the grip to the point where the pistol may not function properly. The solution is to finger tighten the "star" nuts and shoot more than the usual number of "settling" shots to work the pistol down into the "rubber" of the inserts. It may take as many as 20 or more rounds in order to properly settle the gun. When the group produced on target is more nearly round than vertically elongated, the adjustment is correct. Test groups may now be fired.

In the case of hard-kick guns, such as a Contender in a big caliber, follow the installation instructions to the letter. The combination of hot ammo and the long barrel produces severe recoil, often enough to turn the barrel to the full vertical position. This applies to large revolvers also. Resist the temptation to tighten the bolt that compresses the large coil spring. Doing this will adversely affect the braking mechanism inside the Rest and it will wear out quickly. The solution lies in using more than a usual number of settling shots. Be patient and shoot more rounds until the group rounds out. Remember, a certain amount of vertical stringing on target is perfectly normal and is caused by variances in velocities inherent in even the best of ammunition. This condition is particularly pronounced in cold weather.

Use the Ransom Rest as it was designed and it will give you many years of trouble-free, reliable results.

SAFETY WITH FIREARMS IS YOUR RESPONSIBILITY -- BE CAREFUL

We guarantee the exercise of reasonable care in the manufacturing, but assume no further responsibility.

RANSOM REST WINDAGE BASE

INSTRUCTIONS

Disassemble the windage base and mount the bottom section on a mounting board or on a suitable base where it is to be used. (Review the recommendations in the Ransom Rest Instructions.) It should be secured using all the mounting screw holes, with either metal or wood screws, as the situation demands (10 x 1 1/4 round head wood screws are supplied for your convenience).

Attach the Rest to the upper portion of the windage base with the 10/24 x 3/4 Phillips flat head machine screws supplied. Reassemble the windage base, making sure that the thin washer is below the black oxide thick washer.

Tighten the front "football" knob and adjust the lateral location with the adjustment knobs, tighten the rear two "football" knobs and make sure the lateral adjustment knobs are snug.

CAUTION: If you are going to test .44 magnum or more powerful loads, remove the left rear "football" knob (as viewed from the rear) and replace it with a 5/16" X 18 nut. This is to provide extra clearance for the long recoil movement.

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