



## **RANSOM INTERNATIONAL CORPORATION**

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### **RANSOM RIFLE MASTER**

Your Rifle master has been designed to give maximum stability. Portions are manufactured from a grade of cast iron specifically chosen for its resistance to vibration transmission. The base includes an instrument grade level so the Rifle Master can be leveled precisely to compensate for bench variations: everything is designed to bring the rifle enthusiast a tool for testing and shooting that is portable, accurate, and simple.

#### **The General Features of your Rifle Master are as follows:**

Harmonically-Dead, Cast Grey-Iron Body

Circular Level for Precise Level despite bench variations

Heavy-Duty Bag Plate with Side Rails (3 models to choose from)

Front Bag to Hold Rifle Forearm Securely (3 bag widths to choose from)

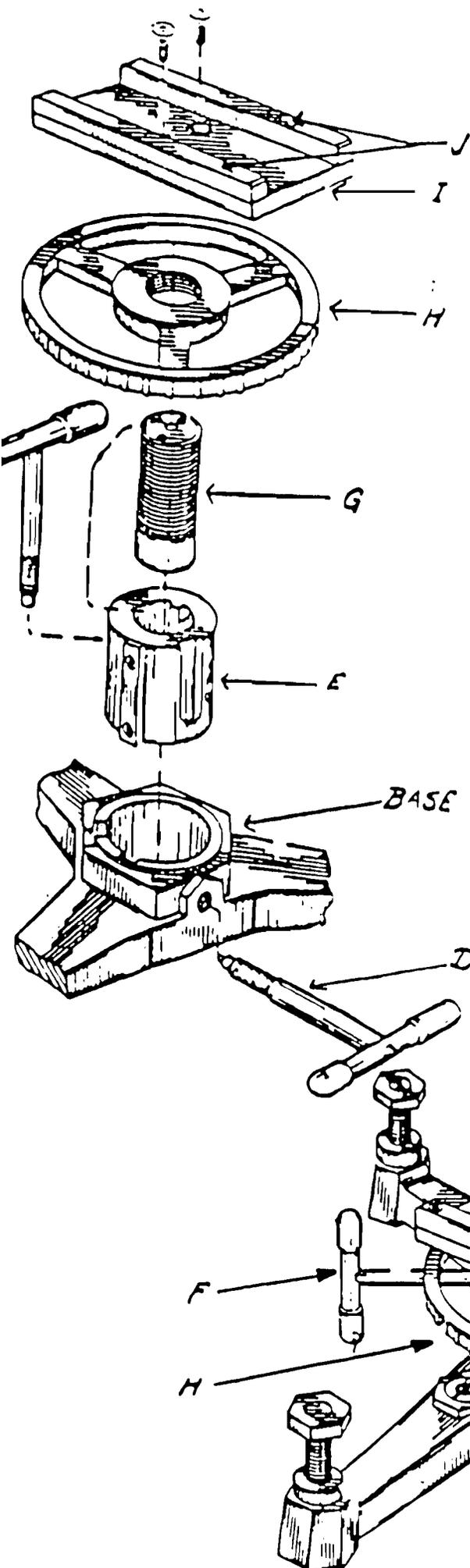
Internal Base Casting and Primary Column Matched to +/- .001 Tolerance

Threaded Minor Column with Handwheel

Leveling Legs are ½" diameter with Hardened Tips

Lock Screws for Leveling Legs

Weight: approximately 18 lbs.



**RIFLE MASTER® COMPONENTS**

- A. Bubble Level
- B. Base Leveling Screws(3)
- C. Leveling Screw Lock Screws(3)
- D. Major Column T-Handle
- E. Major Elevation Column
- F. Minor Column T-Handle
- G. Minor (Threaded) Elevation Column
- H. Handwheel
- I. Bag Plate (Standard shown)
- J. Bag Plate Side Rails

## **RIFLE MASTER® Features**

- A. Instrument-Grade Bubble Level  
Allows shooter to precisely level Rifle Master® on any shooting bench, compensating for bench variations.
- B. Base Leveling Screws(3)  
For precise leveling of Rifle Master®, with hardened tips so the rest doesn't shift on bench.
- C. Leveling Screw Lock Screws(3)  
For securing position of Leveling Screws, with nylon tips to protect the threads.
- D. Major Column T-Handle (to the right side of the level)  
Locks and retains Major Elevation Column.
- E. Major Elevation Column  
Allows up to 1 1/2" of elevation adjustment from top of Rifle Master® base.
- F. Minor Column T-Handle (to the left side of level)  
Locks and retains Minor (threaded) Elevation Column.
- G. Minor (Threaded) Elevation Column  
Allows up to 2" of elevation adjustment from top of Major Column.
- H. Handwheel  
Works in conjunction with Minor (threaded) Column for fine-tuning elevation adjustment.
- I. Bag Plate  
Retains front bag and can hold rifles with up to 6" wide forends. In the standard Model Rifle Master® the Bag Plate mounts directly to Minor Column and is non-rotating. In the "Omni Series" Rifle Master® it mounts to the Minor Column by way of a separate adapter, rotates 360° and has 3 locking thumbscrews. The Windage Adjustable Bag Plate, standard on the "Omni Series" Plus, also mounts on an adapter, rotates 360° with 4 locking thumb screws, has approximately 3/4 inch total side-to-side adjustment, and can be operated right or left handed.
- J. Bag Plate Side Rails  
Positions End Plates and allows Front Bag to be permanently attached to Bag Plate
- K. End Plates (not included with Standard Rest)  
Mount between Side Rails of Bag Plate to tighten Front Bag against rifle forend.

## **RIFLE MASTER® Set Up**

### Attaching BAG PLATE to RIFLE MASTER

#### ◆ STANDARD BAG PLATE:

Attaches with two (2) screws in center of Bag Plate, use the 5/32 short arm hex key (provided) to attach the BAG PLATE to the Minor Column.

#### ◆ OMNI and OMNI PLUS BAG PLATES:

Attach the Omni Bag Plate Adapter to the Minor Column, with the screws provided. The 5/32 short arm hex key (provided) fits these screws.

The OMNI BAG PLATE attaches to the Omni Bag Plate Adapter with three (3) red capped screws, enclosed with the Bag Plate.

1. Place the Omni Bag Plate on the Omni Bag Plate Adapter.
2. Turn the Omni Bag Plate so the single tapped hole in the side of the Bag Plate faces you. The largest of the red capped screws, (1/4-28x1") fits this hole. Do not tighten this screw yet.
3. There are three (3) holes on the opposite side of the Bag Plate; the other two (2) red capped screws, (10-32x1 1/4"), fit in the outside holes. These holes are angled.

NOTE: the hole in the middle is for the Forend Stop.

4. Now tighten all three (3) red capped screws to hold the Omni Bag Plate firmly in place.

The Omni Plus Bag Plate attaches to the Omni Bag Plate Adapter with four (4) Red Capped Screws, enclosed with the Omni Plus Bag Plate.

1. Place the Omni Plus Bag Plate on the Omni Bag Plate Adapter
2. There are four (4) holes. Two (2) on each side, at the bottom of the Omni Plus Bag Plate. Put four (4) Red Capped 10-32x1 1/4" Screws in these holes and tighten them against the Omni Bag Plate Adapter. These holes are angled.

NOTE: The Omni Bag Plate Adapter may have been affixed to your Rest prior to shipping.

3. The four (4) Red Capped Screws on the sides of the Omni Plus Bag Plate are used to lock the windage adjustment, preventing movement while shooting.

Each RANSOM RIFLE MASTER®, except the RANSOM RIFLE MASTER® Enhanced for 50 Caliber, comes equipped with a Front Bag, which attaches to the Bag Plate. We recommend filling the Front Bag with fine grain sand (fine grain aquarium sand works perfect) so the bag is fairly firm. A large rifle cartridge, with the head cut off, works well to fill the bag. Put the case all the way into the fill flap and, using a small funnel, fill the bag compartment. Once the compartment is filled, tucking the flap can be made easier by wetting it or applying a little die wax to the leather.

### **Mounting the Front Bag on the BAG PLATE:**

The Front Bag mounts in the same manner for all three (3) Bag Plates offered by RANSOM INTERNATIONAL.

1. Remove the eight (8) screws holding the Side Rails on the Bag Plate. The 5/32 Short Arm Hex Key, provided, fits these screws.
2. Center the Front Bag in the Bag Plate.
3. Place the Side Rails on top of the flaps, on the sides of the Front Bag. Tighten the screws until snug.

NOTE: Most people either tie the protruding flaps under the Bag Plate or cut the flaps off flush with the sides.

## **SETTING UP AT RANGE**

1. Set your Ransom Rifle Master® on the shooting bench with the leg marked "RIFLE" toward you. This leg has the Level in it.
2. Loosen the Base Leveling Screw Lock Screws.
3. Turn the Base Leveling Screws until the tips protrude from the bottom of the Base Legs.
4. Lightly tap the head of each Base Leveling Screw to "seat" the Rest on the shooting bench.
5. Adjust the Base Leveling Screws, until the bubble is centered in the Level.
6. Adjust the Forend Stop so it is centered on the front of the rifle forend.
7. Adjust End Plates, if you have them, to firmly grip the rifle forend.
8. Adjust elevation using the Major and Minor Columns equally. Lock the Major and Minor Columns in position using the T-Handle.
9. Fine-tuning of the elevation is done with the Minor Column.
  - a. Loosen the left T-Handle, use the Handwheel to move the Minor Column up or down.
  - b. Lock the Minor Column with the left T-Handle when the desired elevation is reached.

10. Make sure all screws and T-Handles are tight before firing.

NOTE: The Handwheel rides on the top surface of the Major Column.

11. Adjust the windage on the Omni Plus Bag Plate by loosening the four (4) Red Capped Screws on the sides of the top half of the Bag Plate. The large knob on the end of the Bag Plate moves the plate left or right approximately 3/4". Use the Red Capped Screws to lock the Bag Plate in the desired position. Do not over tighten the screws.

12. Readjust the Forend Stop to just touch the forend of the rifle. This ensures returning to the same points of contact with the rest after the recoil of firing.

### **Proper Care and Cleaning**

Disassembly is not necessary.

Do NOT expose your Rifle Master® to moisture or excessive dirt.

Periodically spray exposed metal with WD -40® or similar water-displacing oil. Fully extend central Elevation Columns and apply a few drops of medium machine oil.

One at a time, remove Leveling Screws and apply a few drops of oil to threads on the Rifle Master® base, replace screw and work oil into threads.

Wipe excess oil from the rest and store in a dry atmosphere.