



REDFIELD

SCOPES
MOUNTS
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INSTRUCTIONS FOR ATTACHING REDFIELD FRONT-IER M/94 MOUNT AND SCOPE TO WINCHESTER M/94 RIFLES (.30-30 and .32 Spl. calibers only)

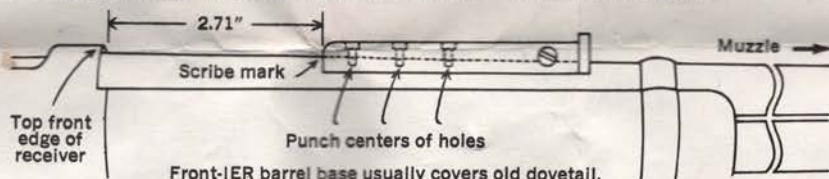


The Redfield Front-IER scope mounts with the rear of the eyepiece forward of the breech, as shown in sketch above. The scope is made with a special Intermediate Eye Relief (hence "IER"). For further details of the scope itself, please check the instruction and warranty booklet packed with each Redfield scope.

We suggest you use the services of a competent gunsmith if you are unsure of drilling and tapping metal.

1. How to attach Front-IER barrel base:

Drilling: Place the rifle in a vise and remove the factory rear sight by driving it to the right out of its dovetail in barrel. (Hold a wood block or soft metal rod between your hammer and the sight.) Then laterally level rifle in vise. Scribe a mark on top of barrel 2.71" forward of top front edge of receiver. Remove lower base from upper ring mount (loosen screw on right, slide base forward). Place base on barrel, metallic sight forward, and with rear of base even with your scribed mark. Level base laterally. If both it and rifle are level laterally, base is now exactly on top of barrel. C-clamp base in this position. Using base as template, deeply center punch barrel at centers of the three holes. Drill the holes with special limited depth bit supplied—or otherwise rigidly control the maximum depth to no more than .160" at the drill point. Cylindrical hole depth of .135" is sufficient, not including additional depth made by drill point.*



Tapping: After the holes are drilled, tap with a 6-48 NS tap. The tap should be well lubricated and turned slowly, only part of a turn at a time, backing up often to allow lubricant to reach cutting ends. If tap has a long taper on end, it should be ground off so that 1½ threads are maximum starting threads.

Attaching: After tapping, clean chips from holes and attach the Redfield M-94 barrel base with the metallic sight forward. Use a well fitting screwdriver, and lightly hammer the end of the screwdriver handle as you make the final tightening of the screws. Be certain these three screws are very tight.

2. Attaching Upper Ring Mount in Barrel Base:

Slide upper ring mount into barrel base, gently tapping the upper (male dovetail) portion of the base forward in the lower (female dovetail) portion. Tighten retaining screw firmly with dime. Recoil tends to jam scope forward in tapered dovetail. Retaining screw should not be so tight that you can't later remove scope by loosening retaining screw with dime in the field, if you should want metallic sights. We suggest you zero metallic sight before zeroing scope. But removal and replacement of scope from base (on same rifle) will not offset scope zero.

3. Placing Scope in Upper Ring Mount:

The Redfield Front-IER scope, ¾" tube (marketed in 1964 as the M-294), now uses an Upper Ring Mount attaching the scope by means of split rings. Slide the upper ring mount into the male tapered dovetail of the barrel base. For the installation of scope into rings, mark the ends of ring-ears so that when you remove top halves, you will later be able to replace them exactly. (DO NOT INTERCHANGE TOP HALF OF RINGS FROM ONE RING TO THE OTHER). Remove top half of rings, place scope in lower half, checking reticle square. The "horizontal" crosshair should be truly horizontal. Replace top half of rings, adjusting scope so that rear end of scope's eyepiece is slightly forward of breech, tighten ring screws firmly and evenly so that the space between upper and lower halves is equal on each side of scope.

*The Winchester-Western Division, Olin, has reviewed the safety aspects of the above method of drilling and mounting. If the M-294 scope is mounted exactly as specified in these instructions, Winchester-Western has indicated there should be no safety problem. M-294 scope must NOT be mounted on M-94 of caliber other than .30-30 and .32 Spl.

Thanks so much for being a Redfield customer! Be sure to send in your scope guarantee but save your scope instruction booklet.