



Directions for Care, Attaching and Adjusting of WILLIAMS FOOLPROOF RECEIVER SIGHT

CARE . . . The Williams Foolproof Receiver Sight is made of the highest grade alloy obtainable. Lubrication of the sight is just as important as the rifle. By removing the windage and elevation lock screws (No. 2 on the diagram), a drop of oil in each of the holes and replacement of the locking screws will force oil through all working parts.

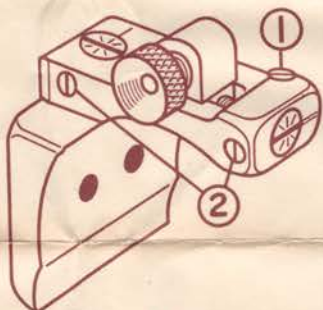
ATTACHING . . . Mounting screws are 6-48 and the proper drill for this tap is the No. 31. Whenever possible, manufacturers' mounting screw holes are utilized for installation. On some models, it is necessary to drill and tap. In any case, remove the upper portion of the Foolproof from the base by the following manner:

Ease off elevation and windage locking screws and angular locking bushing screw (2 and 3).

Caution: No. 2 screws should be backed off $\frac{3}{4}$ turn only. This is all that is necessary to allow elevation and windage screws to be unlocked. Turning these screws more than 1 turn may dis-engage the elevation and windage screws making it impossible to adjust until No. 2 screws are restored to proper position. These lock screws are precision made. It is not necessary to apply excessive force to lock windage and elevation solid.

Turn the elevation screw counter-clockwise until the top portion of the sight is separate from the base. Clamp the base of the sight in its proper position on the receiver of the rifle, then mark the position of the front screw hole (if rifle is already drilled and tapped, this is not necessary) deeply with a sharp center punch to prevent the drill position from creeping; then drill with No. 31 drill and tap with 6-48 tap. Lubricate the tap well and turn about one quarter turn at a time, backing up often to allow the lubricant to reach the cutting edge of the tap. Fasten the sight base to the receiver by this one screw and recheck for position. Mark the rear screw hole position, remove the base, mark and drill and tap as before, then reassemble the sight. It is well to shellac the attaching screw threads; this will prevent any chance of the screw becoming loosened.

ADJUSTING . . . To lower the point of impact, turn the elevation adjustment screw to the right, or clockwise. To raise the shot, turn the knob to the left, or counter-clockwise. To move the point of impact to the left turn the windage adjustment screw to the right, or clockwise. To move the shot to the right, turn the screw to the left or counter-clockwise. Adjustments are micrometer, approximately one quarter minute (determined by sighting radius). Set both elevation and windage locking screws up tight into the windage and elevation screws and set the angular locking bushing screw. Then lower the elevation supporting screw to set down on the receiver. The sight is now locked and Foolproof.



1
Elevation Supporting
Screw

2
Elevation and Windage
Locking Screws



3
Angular Locking
Bushing Screw

8-81 REMINGTON SPECIAL INSTRUCTIONS

Dis-assemble receiver complete. FP 81 locates at butt end of receiver. Over 40 years the 8-81 receivers have been manufactured. There has been slight changes in radii and angles around the tang and receiver. To level the top of the base, 2 set screws have been provided in the bottom of the FP base to set against the tang. If base sets level when drawn tight with 10-40 screw provided, (uses factory dummy screw hole) the leveling screws may remain flush. If such is not the case, bring the set screws out a little until the base does set level. Tighten the 10-40 screw, drawing base tight against the receiver. When the top is found to be perfectly aligned, (test with aperture in) locate the other two 6-48 mounting screw holes with a prick punch with .140 body. First use a small drill approximate .050, then use a small center drill to level small angle or face of receiver, then use the standard No. 31 drill and tap 6-48. Check carefully to see that screws do not interfere with recoil spring of rifle. In some cases it is necessary to grind excess off end of mounting screws. When the three screws are tightened down the FP 81 will stay put and is a beautiful job.

70-54 WINCHESTERS; 721, 722 REMINGTONS

All drilled and tapped at the factory for the Foolproof sight. These rifles usually require a slightly higher front sight for Foolproof or any other make of receiver sight. A front sight about .375 high to replace the usual factory which is about .312 high.

THE WILLIAMS GUN SIGHT COMPANY

Manufacturers of Scope Mounts, Sling Straps, and Other Accessories

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