

Directions For Care, Attaching And Adjusting Of WILLIAMS FP RECEIVER SIGHT

CARE — The Williams FP 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. 1 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.

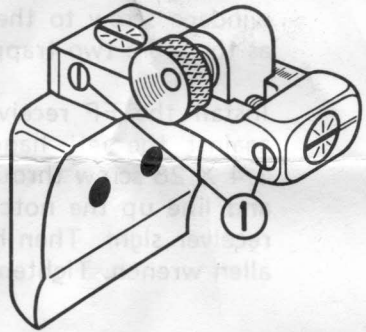
ATTACHING — Mounting screws are 6-48 in most models and the proper drill for this tap is the No. 31. Whenever possible, manufacturers' mounting screw holes are utilized for installation. On some models, it is necessary to drill and tap. In any case, remove the upper portion of the FP from the base by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

Ease off elevation and windage locking screws and angular locking bushing screw (Figs. 1 and 2).

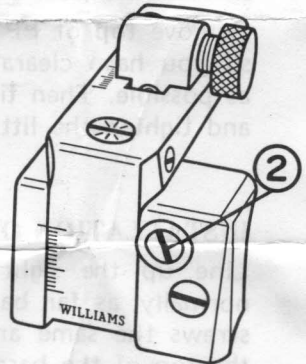
CAUTION: No. 1 screws should be backed off $\frac{1}{4}$ turn only. This is all that is necessary to allow elevation and windage screws to be unlocked. Turning these screws more than one turn may disengage the elevation and windage screws making it impossible to adjust until No. 1 screws are restored 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 use loctite on 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. For sight installed on the right hand side, the windage adjustment is reversed. Adjustments are micrometer, approximately one-quarter minute (determined by sighting radius). Set both elevation and windage locking screws up tight and set the angular locking bushing screw.



1
Elevation and Windage
Locking Screws



2
Angular Locking
Bushing Screw