

No. 90 MJT Universal Target Sight



The Model 90 MJT Target Receiver Sight has been designed to mount on Lyman or Williams FP mounting bases. The sight is packaged with the slide removed from the sight block. To install the slide, it is recommended that the sight block be attached to the mounting base on the receiver first. The slide can then be inserted by pressing the quick release button and inserting the slide into the sight block. The sight block has two mounting screw holes for the attaching screw. This allows forward and backward adjustment so that the shooter can properly position the sight for best eye alignment. Detailed instructions for using the quick slide release feature of the Model 90 MJT - 57 and 66 Receiver Sights are listed on the page three of the attached instruction manual.

The 90 MJT features micrometer click adjustments for both windage and elevation. The target knobs are marked with bullet impact movement direction arrows. Each click of adjustment (1/4 minute) moves your group 1/4 inch at 100 yards - 1/8 inch at 50 yards. 1/4 minute click adjustment graduations are marked on the elevation and windage knobs. The elevation knob is also numbered in 1-inch (4 clicks) increments. See page 5 and 6 of the attached manual for detailed sight adjustments and sighting in instructions.

Base Selection

The 90 MJT is a Universal Receiver Sight designed to mount on any rifle using the proper mounting base for your rifle (see base selection chart). Once the base is mounted on the rifle, the 90 MJT can be attached or removed quickly with the knurled, coin slotted, sight-attaching screw. This feature allows the 90 MJT to be used on many rifles fitted with the appropriate mounting base. See chart below:

Mounting Base

540

510

52

75

64

Model Of Gun

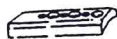
Fits Marlin 2000, Remington Models 540-X, 541-S, 580*, 581*, 582*

Fits Remington Models 510*, 511*, 512*, 513-T, 521-T

Fits Winchester Model 52-D

Fits Winchester Model 75

Fits Savage/Anschutz Model 64* and Mark 12*



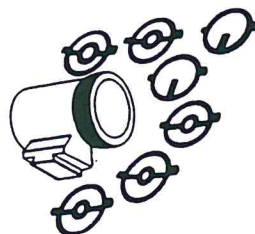
* Drilling and Tapping required.

Note: Mounting base #540 is available from Lyman. Bases #510, #52, #75, and #64 are available from Williams.

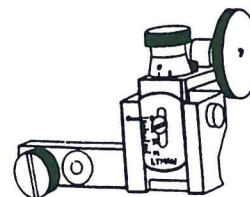
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Lyman

Users Manual For Lyman's 20 MJT 7/8" Dia. Target Front Sight & 90 MJT Universal Target Sight



**20 MJT Target
Front Sight**



**90 MJT Universal
Target Sight**

20 MJT 7/8" Dia. TARGET FRONT SIGHT



No. 20 MJT FRONT SIGHT

The Lyman No. 20 MJT Front Sight which is provided with 7 interchangeable inserts as a companion to the No. 90 MJT receiver sight which is an excellent combination for both target shooting and general use.

TO INSTALL THE NO. 20 MJT FRONT SIGHT

1. To remove the Front Sight in place on your firearm: Use a non-marring brass drift to tap out the factory front sight (left to right as viewed from the receiver).
2. Align the No. 20 MJT and tap into place from right to left.
3. If the fit of the sight in the dovetail is too loose, remove the sight and peen down the lips of dovetail slot lightly and evenly. Try the sight again. Repeat until the sight is snug.
4. If the front dovetail slot is too small, it will have to be opened with a triangular file. This condition is common with imported rifles and you may wish to have a gunsmith fit the new front sight.

Seven Anschütz compatible inserts are included with the No. 20 MJT. Five disc types with the following aperture diameters .126 (3.2mm), .133 (3.4mm), .154 (3.9mm), .161 (4.1mm), .169 (4.3mm) and two post types .067 (1.7mm) and .102 (2.6mm) wide.

The 20 MJT may also be used with the Lyman No. 25 Base on rifles that do not have a dovetail cut in the barrel. They also supply a higher line of sight when needed. The No. 25 Base is mounted by drilling and tapping the barrel for two 6-48 screws. Screws are supplied with base.

LYMAN #25 BASE



Height from
top of barrel
to bottom of
dovetail

Barrel
Diameter

STANDARD BASES

25A-Base (Low)	.025"	.875 or larger
25C-Base (High)	.125"	.875 or larger

MOUNTING THE 90MJT BASE

Some of the rifles for which the No. 90MJT Bases are designed are already drilled and tapped. In such cases, simply remove the dummy screws and attach the sight base, using the screws furnished with the base. For rifles which require drilling and tapping, proceed as follows:

1. Remove the barrel and receiver from the stock.
2. Place base on receiver in position and fasten by means of clamps and square up so that the windage arm will be horizontal or tipped up 1°. Be sure that base is so located that it will not interfere with the function of the bolt.
3. Spot hole with No. 26 drill* (same size as screw hole) and then drill with No. 31 drill, tapping with special tap 6-48 N.S. thread. Put in screw, tighten, and then proceed with second screw hole.
4. If it is necessary to cut the stock, leave slight clearance around sight so that the wood does not touch the sight in any place. This is to prevent loosening of sight from jar of recoil.

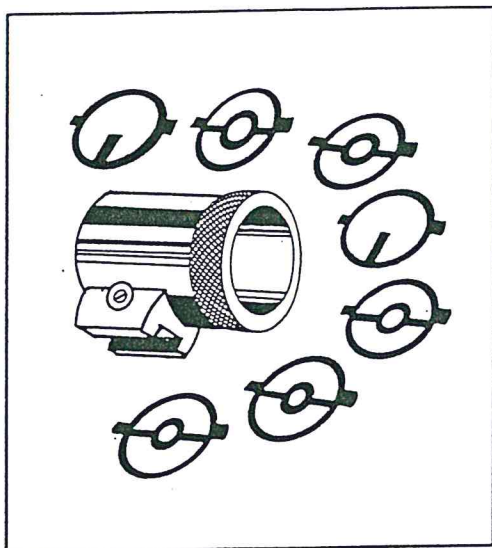
Elevation scale and windage scale can be zeroed by loosening binding screws.

*The receivers of the Springfield, Krag, and some other rifles may be case hardened, having a very hard outer shell. The metal under this shell is soft, but it is necessary to overcome this hard surface before drilling. This can be accomplished in either of the following ways exercising particular care before grinding, annealing or drilling to see that the sight base will be in its proper position.

1. Brighten the spots you wish to anneal and then use a needle flame acetylene torch for annealing. Any experienced welder can do this work.

or

2. Grind away, with an emery wheel, the hard shell around and over the spot to be drilled. The base of the sight will cover the spots where the wheel touches.



93 MATCH GLOBE FRONT SIGHT

The 93 Match Globe Front Sight has been designed to fit any rifle by simply mounting on a standard dovetail base. Seven Anschutz compatible inserts are included with the No. 93 match. These include five disc types with the following aperture diameters: .126 (3.2mm), .133 (3.4mm), .154 (3.9mm), .161 (4.1mm), and .169 (4.3mm) and two post types .067 (1.7mm) and .102 (2.6mm) wide. Sight height is .550 from the top of the dovetail to the center of the aperture. Hooked locking bolt and nut provide a positive installation while allowing quick removal. Accepts most Anschutz accessories.

LYMAN MOUNTING BASES:

Lyman offers a limited line of mounting bases as shown in the chart below. Bases can be purchased through your Lyman dealer or direct from the company. Lyman bases are currently available in .562 american hole spacing only. Note: European bases with .860 hole spacing available from other sources. Select the mounting base with suitable height and mounting hole spacing for your rifle and rear sight. For more information or to order please call 1-800-22-LYMAN.

LYMAN SIGHT BASES

<i>ITEM NO.</i>	<i>HEIGHT (H)</i>	<i>MOUNTING RADIUS (R)</i>	<i>HOLE SPACING (S)</i>
3902155	.155	.375	.562
3902195	.195	.375	.562
3902225	.225	.375	.562
3902315	.315	.375	.562
3902415	.415	.375	.562
3902460	.460	.375	.562