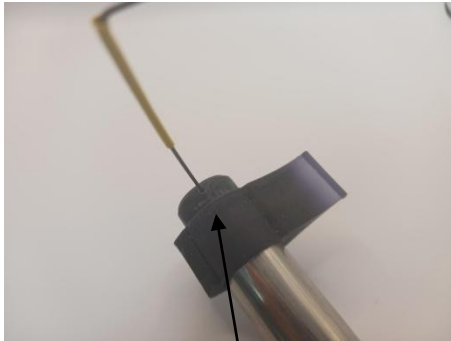


LTR20 INSTRUCTIONS

LASER SIGHT ADJUSTMENT

The laser can be adjusted to align with the sight picture. To change the laser alignment there are four allen screws in holes located at the front of the barrel. The required allen wrench (0.035") is provided with the LTR20.

To adjust the laser alignment, two screws require adjusting for each direction the laser needs to be aligned.



Access holes for laser adjustment
One on each side, top and bottom.

Example: To adjust the laser up, loosen the upper screw (typically about 1/2 turn at a time) and tighten the lower screw the same amount until the screw is snug. (Do not over-tighten the screws.)

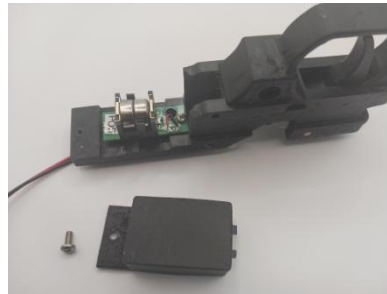
BATTERY REPLACEMENT

The LTR20 uses two LR44 batteries. The batteries are located in front of the trigger guard under a cover. The trigger set does not need to be removed to replace the batteries.

Remove the cover by removing the phillips head screw. and lifting the cover off.

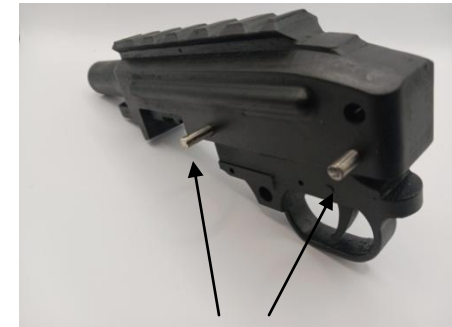
Slip the batteries out of the holder and replace with fresh batteries.

Note: The batteries are placed with the Positive terminals facing the front of the gun.



TRIGGER SET REMOVAL

To access the Trigger adjustment shims and trigger travel stops, the trigger set must be removed from the frame. To remove the trigger set from the frame the two takedown pins must be pressed out similar to a standard Ruger 10-22.



Take Down Pins

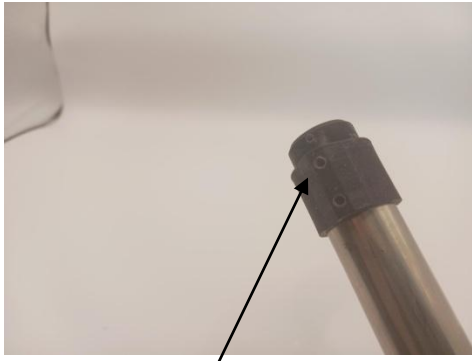
NOTE:

Do not pinch the wires when reinstalling the pins.

REMOVING TEST SIGHTS

The LTR20 is provided with a set of test sights. The front sight can be removed by loosening the set screws underneath the sight mounting ring and sliding off. The barrel is 0.750" diameter.

The rear sight is a standard picatinny rail mount.



Sight Screws

INSTALLING FRAME AND BARREL IN STOCK

The LTR20 is designed to fit a standard Ruger 10-22 stock.

A 10-24 caphead screw is provided for attachment to your stock.

Since there are many different stocks and different barrel diameters, barrel support must be a custom fit.

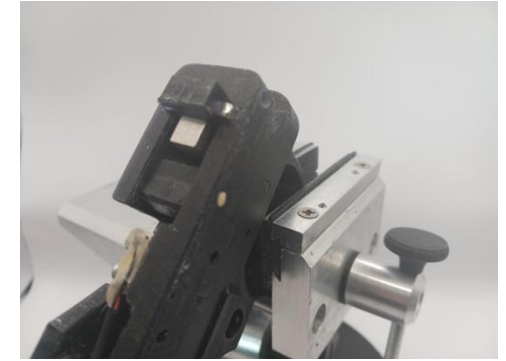
Several methods of support can be used: foam tape, epoxy putty, or thermo-loc putty.

MAGNET SHIMS

The trigger break force can be reduced by inserting a shim between the magnet and the magnet catch. Four shims are provided to reduce the break force; .025", .035", .045" and .055". To install a shim, depress and hold the trigger. Insert the magnet shim over the top of the magnet with the thinner, larger section facing the magnet catch.



Installing Magnet Shim



Magnet Shim Installed

TRAVEL STOPS

The trigger travel can be reduced by installing a travel stop. Three travel stops are provided with each having two different thickness. The travel stops snap onto the brass bar in front of the magnet catch. Both sides of the travel stops allows different travel depending on which side of the travel stop faces the magnet catch.



Installing Travel Stop



Travel Stop Installed