



WINCHESTER MODELS 70 AND 54

1. Unload rifle. Chamber and magazine must be empty. Remove trigger guard screws and any other screws that hold the action in the stock. Remove action from stock. Remove bolt.

NOTE

Here's a trick we've found that'll make installation a breeze if you find the safety doesn't work after installing this trigger. **Before you remove the original trigger, cock the rifle and measure the distance of the cocking piece protrudes from the back of the bolt (measure from the back of the firing pin to the bolt shroud). Write this number down.** If after installation, you find you can't put the rifle on safety, measure the distance again and subtract your new measurement from the old one. This is the amount you'll need to file from the safety engagement surface inside the bolt. We have a really handy tool that makes disassembly of the bolt very easy. If you plan on installing many of these triggers, give us a call. At \$30.00 it could be a real time and money saver.

2. Remove stock trigger by tapping out the pin. Remove the bolt stop, bolt stop pivot pin, and the spring. Be careful not to lose these parts.

3. Place trigger in action, insert the trigger retaining pin, and tighten the installation screw (1). Make certain that the trigger housing is pulled up tight into the action.

The newer Model 70s have a drilled hole in the action instead of the former elongated slot. This hole must be elongated so that the sear will move freely.

The bolt stop retaining pin must be cut off to about 1/4-inch. The shoulder should just touch the receiver. Deburr and clean bolt stop retaining pin to remove any oil. Reassemble bolt stop and spring on retaining pin, add a drop of Loctite or 5-minute epoxy to the end of the retaining pin. Allow to cure before manipulating bolt stop.

We use the following method when installing Model 70 triggers. Tap the retaining pin hole for a 6-40 screw, use a 6-40 x 3/8-inch sockethead set screw in place of the retaining pin. We find that it works better than using the cut-off retaining pin.

4. Due to variations in the Model 70 actions, there may be difficulty in getting the safety to operate properly. If safety will operate, apply safety, pull trigger, and release safety. If the firing pin fails, remove a small amount of metal from the cocking piece sear at point #5. Repeat until the sear is lifted off the trigger when the safety is applied.

NOTE

When filing the cocking-piece sear it is necessary to retain the same angle of the cocking-piece sear and the cocking piece sear must be at a right angle to the bolt.

If the safety cannot be applied, remove material from the safety cam area at point #6 on the cocking piece after disassembling the bolt. Be careful, remove only a small amount of metal at a time, do NOT change the cam surface angle.

MODEL 54

The Model 70 trigger will also fit the Model 54. All Adjustments are the same as for the Model 70. The Model 54 cocking piece must be modified to look like the Model 70 as at point (5). This can be accomplished in one of two ways:

1. A piece of steel can be silver soldered in place and then filed to the shape of the Model 70 cocking piece.
2. TIG welding can be used to build up the cocking piece like the Model 70.

NOTE

We will braze a piece of steel to the firing pin and file to shape for \$30.00. Thus the installation of a Timney trigger on a Winchester Model 54 will cost \$70.00 plus \$8.00 for return shipment.

5. Screw (3) is the trigger pull adjustment. The pull is pre-set at three pounds. You may lighten the trigger pull by turning screw (3) counterclockwise. Do NOT reduce the trigger pull below 2 pounds. A lighter weight of pull may contribute to slam fires.

Screw (2) is the trigger backlash or over travel adjustment. Do not adjust in too tightly as this will stop or slow the firing pin fall. This can also cause the rifle not to cock. It is adjusted at the factory to the optimum amount of overtravel.

Screw (4) is the sear engagement adjustment. Sear engagement is pre-set at the factory when the trigger is tested. It should not be decreased below the pre-set amount. Do not increase the amount of sear engagement too much. Too heavy a sear engagement will result in inconsistent trigger pull.

Your rifle should now be ready to reassemble. In replacing the stock it may be necessary to remove some wood in order to allow the trigger housing to seat properly. It is important to check this clearance after tightening the stock screws. Trigger should have a small clearance.

NOTE

Due to possible variations in the actions and stocks, sometimes the tip of the trigger touches the inside of the trigger guard. If this happens with your rifle, it will be necessary to grind or file a small amount from the end of the trigger until there is clearance between the tip of trigger and the inside of the trigger guard. This will not void the warranty.

As a service to our customers, Timney Mfg., Inc. will install your Timney trigger for \$40.00 plus \$8.00 for shipping and handling.

TIMNEY ADJUSTABLE TRIGGER GUARANTEE

Material and workmanship: This TIMNEY trigger has been carefully inspected, tested, and adjusted to give a lifetime of dependable service. Every possible care has been exercised in its design and construction. If any defect in workmanship or material should develop under conditions of normal use and service, necessary repairs, including parts and labor will be made at no charge to the purchaser, providing that our inspection reveals the trigger was not damaged through accident, alteration, misuse, abuse, or other causes beyond our control. We neither assume nor imply any oral or statutory warranties, and we neither assume nor authorize any person to assume for us any obligation of liability in connection with this trigger. Repairs or disassembly of this trigger in any manner without specific factory authorization voids this guarantee.

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