



## RUGER 77

The installation of the Ruger 77 trigger requires the removal of considerable amounts of wood from the stock.

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. Follow directions in Ruger manual for disassembly. Remove bolt. Put safety in SAFE position. Remove safety connecting bar and safety button. Remove bolt lock from safety shaft assembly (1) by pressing in on the safety shaft assembly and slipping the bolt lock upward. Remove safety shaft assembly and safety spring. Put parts where they will not be lost.

### NOTE

The newer models of the Ruger 77 do not have a bolt lock. They use a large E-ring. Remove in the same manner as the bolt lock.

2. Drive out trigger retaining roll pin from the right side of the housing, use a 1/8-inch roll-pin punch. Remove trigger. Push sear pivot pin out from the left side of the action. Remove sear and sear spring. Blunt the front edge of the Ruger sear engagement surface with a fine stone to ensure that the Ruger sear will not dig into the surface of the Timney sear. Reinstall the sear and the sear pivot pin. **DO NOT REINSTALL THE SEAR SPRING.** If the sear spring is reinstalled operation of the Timney trigger will be erratic.

### NOTE

Lock the sear pivot pin with a drop of Locktite on the large end of the pivot pin

6. If your rifle is one of the latest production models, the receiver does not have a step equal to the one in the trigger housing. In this case bolt will not cock. To correct this situation, either mill or file the step into the receiver or contact Timney Mfg., Inc. for a special high seat.

7. When you are satisfied that the trigger is working properly, bend the end of the safety plate fork down to retain the Safety connecting bar in place. If the boltlock is loose, apply a small amount of five-minute epoxy to the slot in the boltlock.

8. Sear engagement is set at the factory to the proper amount. Do not reduce the sear engagement below 0.015 inch. Siam fires are possible if the sear engagement is set too light. The sear engagement adjustment screw (8) can be used to change the sear engagement or creep.

Your rifle should now be ready to reassemble. It will 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. To make it easier to insert the action into the stock, be sure that the safety is in the FIRE position. The safety must operate with definite SAFE and FIRE positions. There are two tabs on the trigger guard that must be filed off or they will interfere with the trigger housing.

As a service to our customers, Timney Mfg., Inc. will install your Timney trigger for \$50.00 this includes shipping and handling.

The pull weight is adjustable after the action has been installed in the stock. The pull weight adjustment screw (9) is used to adjust the pull weight. Turn it clockwise to increase the pull weight or counterclockwise to reduce it. The Timney trigger is adjustable between 1 1/2 and three pounds. Do NOT reduce the trigger pull weight to less than 1 1/2 pounds, you could cause the trigger pull adjustment ball to come out of the housing. If this happens you must disassemble the rifle to correct the problem.

Due to variances in factory stock size, sometimes the trigger will rub against the trigger guard when pulled all the way back. To solve this problem, grind a small amount of metal from the bottom of the trigger and re-blue it.

### 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 or 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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