



## MAUSER SPORTSMAN

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.
2. Remove stock trigger by tapping out the pin at (6).
3. Before attempting to install the Timney trigger, make sure that pin holes in the Timney trigger can be properly aligned with the hole in the action lug (5). Trigger installation screw (1) must be backed out sufficiently to allow proper alignment. Occasionally the lug (6) must be reduced to allow trigger to fit.

Some Mauser actions have a step at point (A) that will cause misalignment. To correct this condition, the receiver will have to be filed down at point (A).

4. Install Timney trigger by inserting pin at point (6). **DO NOT USE FORCE.** If you try to force the pin you run the risk of breaking off the ear on the other side of the housing. (A new housing costs \$10.00). When pin is in place, tighten the installation screw (1) so that the trigger is firmly locked into the receiver. When we install a trigger we place a drop of Locktight on the installation screw before tightening it.

On some Mauser models the trigger pull spring hole is in such a position that the installation screw cannot be tightened. In this case you can either tap the hole

and install a cut off bolt, or Locktite a plug in place.

5. If sear is sticking, slot (7) will have to be lengthened.
6. In some older Mauser models the web at point 7 is thicker than normal and the sear will not protrude far enough. This will cause the bolt sear to override the trigger sear. To correct this condition, either build up the trigger sear approximately 1/16 inch or an extra high sear can be ordered from Timney.
7. Replace bolt in action and check function of the trigger. The rifle must be UNLOADED.

### POSSIBLE PROBLEMS

- a If firing pin falls when bolt is opened or safety is released, check installation screw to be certain the trigger is pulled up tightly. If the installation screw is tight, the cocking piece may be too short. Build up the cocking piece at point (9).
- b If safety will not go on, the cocking piece sear will have to be built up at point (9) or some metal removed at point (10).
- c Pull trigger with safety on, then release safety. If the firing pin falls, safety is not withdrawing the cocking piece sear far enough to allow trigger sear to retract. File or grind carefully at point (9) to correct condition.

### NOTE

When filling 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.

- d Make sure stock and trigger guard do not bind on either side of housing or trigger. It may be necessary to clear the sides of the trigger guard slot to allow trigger to move freely.
  - e If bolt cannot be lifted after firing, adjust screw (3) to allow sear to retract.
  - f When bolt is lifted but not withdrawn, and then closed, if it does not cock, remove material carefully at point (9).
8. If cocking-piece sear and trigger sear engage too soon when bolt is worked rapidly, causing the sears to slam together and slip by, cocking-piece sear will have to be carefully ground at point (9) sufficiently so trigger sear does not contact trigger until bolt has started into the closed position.

- 9 Screw (2) is the trigger pull adjustment. The pull is pre-set at three pounds. You may lighten the trigger pull by turning screw (2) counterclockwise. Do NOT reduce the trigger pull below 1.5 pounds. A lighter weight of pull may contribute to slam fires.

Screw (3) 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.

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 amount of side play.

As a service to our customer, Timney Mfg., Inc. will install your Timney trigger for \$40.00 plus \$35.00 shipping and handling. When shipping your rifle, please ship it in a plastic rifle case inside a cardboard box.

### 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.

**TIMNEY MFG., INC. 3940 W. CLARENDON, PHOENIX AZ 85019 (602) 274-2999**