



## SPRINGFIELD FEATHERWEIGHT AND FEATHERWEIGHT DELUXE

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. Trigger installation screw (1) must be backed out sufficiently so that you can insert the trigger retaining pin without forcing it. 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 at point (5).
- Occasionally the sear slot in the receiver is too short to accommodate the Timney sear. If this is the case, remove trigger and open the sear slot with a file or a Dremel tool. If the slot in the receiver at point (8) is too narrow the movement of the sear is impaired, in this case carefully file both sides of the trigger housing.
4. Put bolt back into action. Check operation of the trigger.

### NOTE

Possible problems

- a Pull trigger with safety on, then release safety. If the firing pin falls, safety is not withdrawing cocking piece far enough to allow sear to retract. File or grind carefully at point (9) to correct condition.

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.

## FEATHERWEIGHT DELUXE INSTALLATION

Because of the design of the Springfield receiver some metal must be removed in order to allow the side safety to operate. The area at point B must be filed or ground to allow the side safety to fit. Some metal must also be removed at point A to allow the handle of the side safety to move freely or the handle will have to be bent outward.

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.

### 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.

We recommend the installation of a Timney Speedlock spring to improve lock time and to help eliminate misfires. Price \$6.95.

### 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 \$25.00 plus \$5.00 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 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. 3940 W. CLARENDON AVE., PHOENIX, AZ 85019

### 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.
- b 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.
  - c If bolt cannot be lifted after firing, adjust screw (4) to allow sear to retract.
  - d When bolt is lifted but not withdrawn and then closed, if it does not cock, remove material carefully at point (9).
  - e If safety will not go on, slot in cocking piece will have to be filed or ground carefully to the rear until safety will go on.
5. 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.
  6. 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 1½ pounds. A lighter weight of pull may contribute to slam fires.