

SAFETY PERFORMANCE CHECK

After reassembly, the following checks for proper function of the safety should be made:

Close bolt. Put safety ON SAFE. Lift bolt handle. (Bolt should not raise). Pull trigger (firing pin should not move). Action of trigger pull should be smooth (no bind, drag, click or catch). Release trigger (trigger should return to former position). Put safety ON FIRE position (firing pin should not fall). Pull trigger (firing pin should fall). Repeat test at least three (3) times.

Safety should function on two (2) positive stop positions (ON SAFE - FIRE). If positions are not positive, check parts. Inspect detent holes, retainer, retainer pin, detent, detent spring and related parts for possible cause. Replace any worn or damaged parts and lubricate with a dry lubricant. Reassemble and check. If stop positions are not positive replace complete trigger housing assembly.

NOTE: Lubrication should not be used as a remedy for trigger housing assembly problems. The cause should be positively located and corrected.

When repairing trigger housing assembly wash parts thoroughly with a petroleum solvent. An accumulation of gun oil or dried oil can build a film that may cause malfunctions. Relubricate with a dry lubricant and reassemble. Check clearance between trigger and trigger connector .010 MAX. slip fit (MIN.) with feeler page (see Fig. 1). Check trigger connector for straightness and cracks at trigger stop screw hole. Make sure there is no bind or catch in trigger, sear safety cam or safety lever about pivots.

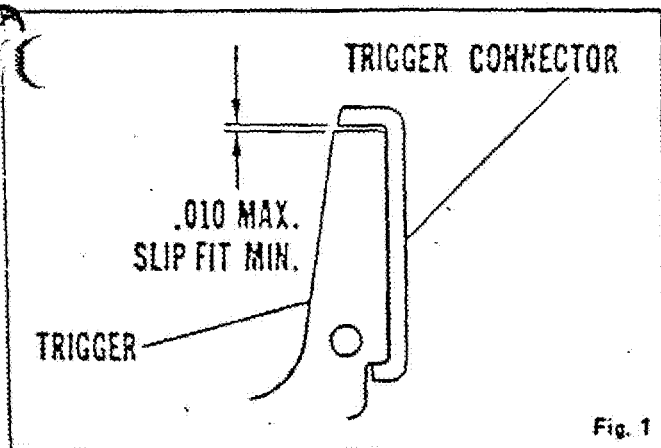


Fig. 1

When replacing trigger housing assembly, take care not to bend or spring the housing. Sear safety cam should pivot freely. To check, remove bolt, move safety to OFF SAFE, pull trigger and press down on rear of sear safety cam and release.

For proper safety function there must be clearance between trigger connector and sear safety cam. To check close bolt and put safety ON SAFE. Visually inspect through hole in side of trigger housing (see Fig. 2). If there is no clearance, replace safety assembly, or trigger housing assembly. Corners must be sharp. (Arrows).

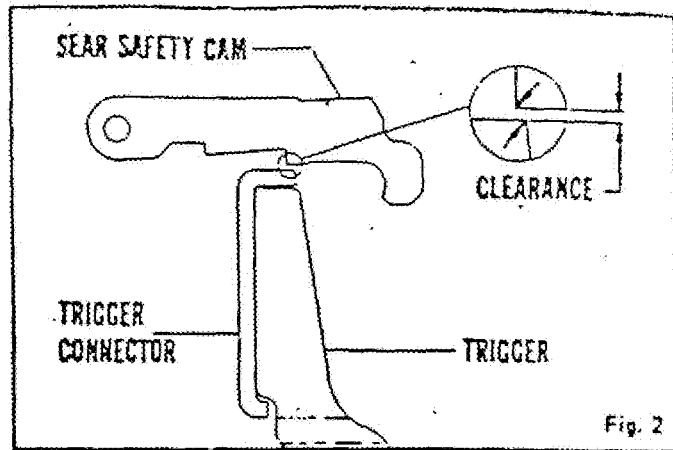


Fig. 2

Sear safety cam and trigger connector engagement of .015" - .020" on field rifles and .010" - .015" on target rifles is critical (see Fig. 3). Replace any worn or damaged parts. To adjust, close bolt and place safety OFF SAFE. Turn trigger engagement screw clockwise until rifle fires. Turn screw counterclockwise 1/2 turn (90°) and check engagement. (see note A). Corners must be sharp. (Arrows).

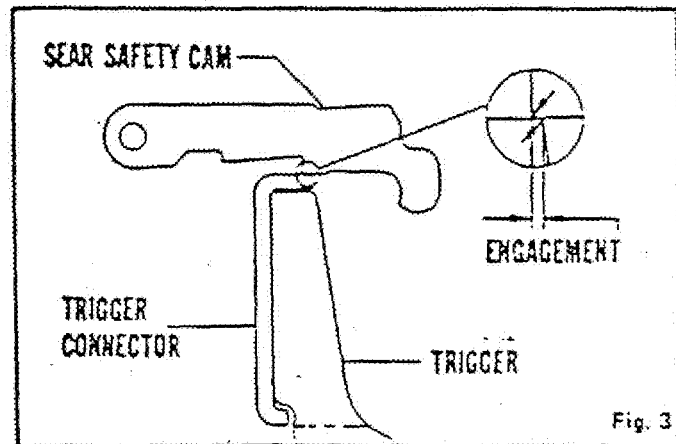


Fig. 3

To adjust trigger stop screw, close bolt and put safety OFF SAFE. Turn trigger stop screw clockwise until it touches trigger. Pull and hold trigger rearward. Turn trigger stop screw counter clockwise until rifle fires. Turn an additional 1/8 turn for clearance. (see note A).

Trigger pull adjustment on any field rifle should never be adjusted below three (3) pounds. (see note A).

Trigger pull adjustment on any target rifle should never be adjusted below two (2) pounds. (see note A).

NOTE A: After any adjustments to trigger housing assembly screws, repeat all safety checks. Check for "follow down." See malfunctions. Restake or reseal screws with DuPont Duco cement.

When replacing stock assembly, check for clearance between following parts: Safety Lever - Stock; Trigger - Trigger Guard; Trigger - Stock.

EXHIBIT "C"

DEPOSITION
EXHIBIT

11



NTBOOK273



m m l e
.010 m p
+ target

Leek
EXHIBIT NO. 65