

RD-44-B

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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Ilion, New York
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TO: PRODUCT SAFETY COMMITTEE

FROM: C. B. WORKMAN

MODEL 870 COMPETITION TRAP SHOTGUN

An analysis has been made of the various problems our customers may encounter while using and caring for the Model 870 Competition 83 Trap gun. This analysis was aimed primarily at uncovering and correcting any potential safety hazards that might arise.

No safety hazards were found.

The following conditions were investigated:

Piston AssemblyPiston Retainer left out or broken

The first function of the piston retainer is to keep the piston assembly attached to the gas cylinder. The gas cylinder is part of the barrel assembly. The second function of the retainer is to insure the removal of the piston assembly from the gun with the barrel assembly. If the piston retainer is left out or broken and if the piston assembly sticks in the magazine tube when the barrel assembly is removed from the gun, the piston return spring can eject the piston assembly from the gun.

Instructions covering proper disassembly of the gun having these conditions are contained in the Owner's Manual (copy attached).

Piston Return buffer left out

Under this condition, when the gun is fired, the piston assembly would stop on the underside of the magazine cap rather than the gas cylinder, as it returns to battery. This would impose a load on the magazine tube threads. It would possibly cause eventual failure of the threads. There would also be poor gas sealing with reduced initial energy being imparted to the piston assembly.