

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



xc: A. A. Hugick
F. E. Martin

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"_____

Ilion, New York
September 27, 1977

TO: J. P. LINDE 

FROM: C. J. MILLER / R. E. NIGHTINGALE

SUBJECT: 17 REM. PRIMER BLANKING

Work Order: C 1803

OBJECTIVE:

To confirm that primer blanking in the Model 700 rifle chambered for 17 Rem. would cause the trigger connector to break.

PROCEDURE:

The 17 Rem. ammunition was heated to 140° to increase the pressure to approximately 57,000 C.U.P. The heated ammunition was shot in three (3) Model 700 rifles, with sharp edges on the firing pin hole. Each fired case was observed for primer blanking.

RESULTS:

Rifle No. 6395444 was shot first and thirty three (33) out of the sixty one (61) rounds, had blanked primers. The trigger connector broke after the sixtieth round. The sixty first (61) round fired when the bolt was closed.

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RESULTS: (Cont'd)

Rifle No. 6713463 was shot forty eight (48) rounds with twenty (20) of the primers blanking before the bolt started following down. The trigger connector was broken.

Rifle No. 6394666 was shot thirty three (33) rounds with twenty (20) of the primers blanking before the bolt started following down. The edge of the sear was rounded. The sear connector engagement was increased to allow to continue the test. Seventeen (17) more rounds were shot with twelve of the primers blanking, then again the gun followed down. The trigger connector was broken.

C.J.Miller/R.E.Nightingale:bd
Measurement/Test Lab
Ilion Research Division