

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

January 30, 1979

XP-100 FIRE CONTROL MODIFICATION TEST PROGRAM

January 29, 1979

Meas./Test Lab

I. MEASURE TEST SAMPLES FOR FOLLOWING:

- a. Headspace, indent & trigger pull
- b. Safe On and Safe Off forces
- c. Safety function test
- d. Sear engagement
- e. Sear lift
- f. Recoil lug movement during live firing

II. DRY CYCLE TEST - TWO XP-100 PISTOLS

- a. 50,000 Safe On - Safe Off dry cycle - with lubrication
- b. Followed by 10,000 cock and dry cycles with lubrication
- c. Record following in every 10,000 cycles
 - 1. Safe On - Safe Off forces
 - 2. Safety function test
 - 3. Trigger pull
 - 4. Sear engagement and lift

III. LIVE FIRING TEST - FIVE XP-100 PISTOLS:

- a. Five to 500 rounds (fixture and/or stock)
- b. Measure and check "I" items
- c. Three on to 1000 rounds
- d. Measure and check "I" items
- e. One on to 2000 rounds 2 500 rds.
- f. Measure and check "I" items

IV. DROP TEST - TWO XP-100 PISTOLS (+control):

- a. Determine if modifications effect drop test performance.
- b. Use pendulum, hard maple impact media, Safe On and Safe Off
- c. Suggest start at three foot drop

V. ITEMS LOOKING FOR:

- a. Trigger upset or deformation due to modification
- b. Stable sear lift, sear engagement, trigger pull
- c. Reliable safety performance

VI. AMMUNITION AVAILABILITY:

R & D - 0 rds.
Plant Gallery - 7000 rds.
Order placed 1/29/79 for 5000 rds.

AAH:js