

1-21-78

LIMITED DISTRIBUTION
ILION RESEARCH DIVISION
MONTHLY PROGRESS REPORT
JANUARY 1978

MODEL 1100 IMPROVEMENTS

The three major improvement items; interlocked connector/disconnector, carrier latch retainer, and new feed latch retention designs, are still in various stages of test.

Carrier latch retainers for 3" Magnum guns are being gallery tested in lots of 50. Forty guns passed the gallery test and were warehoused. Six were rejected for unrelated reasons and four were rejected for "don't lock open" malfunctions. Further lots of 50 will be tested as they become available from the fire control assembly area.

An improved feed latch retention design (spring retained) is being tested in an LT-20 which is now approaching 3000 rounds. The same latch was previously dry cycle tested 50,000 cycles. The latch retains itself well during assembly/disassembly and has come out of the receiver only when the gun is dropped (4 ft. drop).

Six interlocked connector/disconnector systems (1100, 870, 742, 760, 552, 572) are being dry cycle tested. One disconnector (870) failed at 40,000 cycles.

A DCR has been transmitted to change the direction of blanking on the carrier latch latching slot. This will eliminate burrs on the latching surface proper and is intended to cut down on "hang up in the rear" malfunctions.

Remington Arms Company, Inc.
Ilion Research Division