

M870 Competition Trap

During the past month ~~extensive~~ and intensive endurance tests were conducted to finalize the design of the recoil reduction system. The cause of "sticky pistons" was determined to be a result of peening the face of the piston on impact with the gas cylinder upon completion of the cycle. This has been corrected by slightly reducing the diameter of the piston between the face and the sealing bands. Design parameters of the system have been finalized and production has been advised. These include the lighter piston, heavy spring and no vent-hole in the buffer.

During these tests another problem has surfaced. Action bar and fore-end tube assemblies are failing prematurely.

(Insert) **

(XXX) These tests were completed in May, June and December 1979 and January 1980. While conducting tests to isolate the cause of the sticking action, there were failures from the action bar and fore-end tube assemblies. These failures were caused by the action bar and fore-end tube assemblies failing prematurely under pressure.