

TO: R.A. Jackson
 FROM: W.A. Warren, Jr. *WAW*

August 30, 1993

PROGRESS REPORT August 1993

M700 VS. "Sendero Special"

I investigated two nonconforming conditions-found during Lab. accuracy shooting-and started corrective actions: o front sling swivel stud hitting barrel. We provided Final Assembly with Production aids and instructions to use them. Also, stock vendor will correct (probably shorter stud); o floor plate opens. Condition was due to substandard job knowledge/workmanship on floorplate latch adjustment. We provided examples and information to help the foreman take corrective action.

Both conditions were on rifles built by the same new final assembler. This product was submitted to R&D Lab. before gallery testing.

1994 Modification: As of 8-6-93, barrel will not be fluted. Instead, flutes will be added to the new VS SS.

1994 VS SS (PI-2 8-6-93) Non-magnum calibers only, so flute depth has been increased to mimic the regular barrel countour. Marketing and Litigation Support have agreed to using the shorter XP100-style barrel rollmark. It will be located much nearer to both the breech and to the top of the barrel. This permits significantly longer flutes. Marked drawings were provided for CV detailing on 8-24-93. Detailing has not yet begun due to urgent work on the O/U fire control. Engineering just completed a photo. sample to this design.

BASIC RESEARCH-RELEASE MECHANISMS

Measurement Apparatus: Changes are indicated where the previous month's value appears in parentheses.

<u>Status:</u>	<u>Percent complete</u>
o purchasing major components	95
o purchasing, designing and fabricating small components	10
o learning the operation and setup of the force transducer	0
o " " " " " " displacement "	20(5)
o linking above to the Tektronics transient data capture device	10
o learning the programming and operation of the motor-driven motion control system	5
o integrating the components and debugging their operation	0

NBAR:

We have just received a sample of a Ruger target rifle with a new two-stage adjustable trigger. We are checking the patent coverage.

DESIGN-RELATED

On an ongoing basis, I am assisting M. Keeney with his NBAR process-design integration program.

SAFETY

R&D safety committee: I have completed six months as chairman. A requested draft-form charter proposing improvements to this group was submitted 8-6-93 for Tech. Staff review.

TRAVEL FOLLOW-UP

We have not yet received the information produced at last month's trip to Houston, TX.

END