

December 3, 1992  
updated 12/15/92

To: K.W. Soucy  
From: W.A. Warren, Jr.

PROGRESS REPORT Nov., 1992

M700 VS Long Action in game calibers, a.k.a. "Sendero Special"

The information package was submitted for transmittal 12-3-92; immediately following notification of the fourth caliber to be offered. I did all this work myself to become familiar with the procedure.

This product will be "built to order". The forecast is 1500 units/year.

One display gun, in 7mm Rem. Mag., is being built for the SHOT show. New barrel marking tooling was received 12-14; name was mis-spelled by tooling vendor. We're looking at options. John Balio prefers that the display gun be marked with the production tool (rather than hand-engraved), even if doing so delays completion of it until after plant shutdown.

The president of H.S. Precision, which supplies Remington with M700 VS and M700 Police Synthetic stocks, was in 12-1-92 for discussions. He had submitted 3 long action VS prototype stocks in early Nov. J. Ronkainen and I reviewed inspection characteristics, gauging and quality improvement opportunities with him:

- o The 3 prototype stocks were returned to the vendor for rework. They will be returned to Remington in time to complete the display rifle for the SHOT show. Received on 12/11/92.
- o One duplicate functional gauge needed for trigger guard inletting is on hand at purchase parts inspection (PPI) (D-47561-A). It should be sent to the vendor.
- o I tabulated the PPI results over the previous 12 months on the current VS stock. This information along with inspectors' comments, suggests that we can replace an expensive functional gauge used for barrel-receiver inletting with a barreled action. Doing so can avoid the need for 274 hours of tool room build time. This is an operations cost avoidance of over \$12,000 (@ \$45/hour including labor, materials and overhead). I recommend this alternative as a prudent risk.
- o We asked the president of H.S. Precision what else we could do to help them help us. His reply was that we could provide more timely communication back to them as soon as an unsatisfactory condition becomes apparent with their product.  
I will do this thru the first run.

BASIC RESEARCH-RELEASE MECHANISMS

Benchmarking:

Before year end, we will have a sample of the new M70 Winchester with detachable box magazine. This had been expected next year. We have now spent \$2675 of \$3000 budgeted for 1992. At our request, purchasing will continue, in 1993, seeking the synthetic stocked

stainless steel version of the Savage M110. They will not spend beyond 10% over \$3000.

Measurement Apparatus:

This project was orally "pre-approved" in mid-Nov. for funding early in 1993. Detailed selection of components for the complete system for quotes and compatibility with our new Tektronix instrument has not been completed. It will not be ready for write-up before year end.

There are two issues to resolve:

- o drive system type (servo or stepper motor)
- o displacement transducer system required to provide signal compatible with Tektronix instrument

Now, after the "Sendero Special", work is resuming on this as the high-priority assignment.

ATO SUPPORT

Rifle: assisted with implementing gauging to measure force vs. deflection at Purchase Part Inspection on the M522 Viper sear spring (carry-over job).

Shotgun: assisted with problem diagnosis and suggested corrective action strategy for quality of execution nonconformity on trigger plate assembly for SP-10.

MISCELLANEOUS

I completed the most recent Remington-sponsored "Autocad" class at Saquoit High School.