

To: R.A. Jackson

August 31, 1993

From: R.S. Murphy

Subject: August Monthly Report

o The 700 Detachable Box Magazine continues to lead my priority list as we are beginning to machine trial and pilot components. The tabletop 3-axis NC mill has been useful here and I have acquired a working knowledge of it's operation. Eighty-eight long action guards have been finish machined for the first phase of T&P testing.

The fourth axis fixture has been received from Brookfield Machine and preliminary inspection is done. Final inspection will be done as soon as it can be mounted on the Bridgeport mill so the fourth axis can be indexed, (expected about Sept. 7). I have a concern that contact pressures between powder coated guards and the fixture may cause marring. A new simple fixture may be required for this second cut. Development of the program to mill the guards will be completed by Sept. 20.

o The Quail Unlimited laser engraved sample gun was completed for the August Product Team Meeting and the decision was made not to pursue this business. A local artist was used to develop the final artwork with excellent, but expensive, results and the laser engraving has been developed to a point where it is a viable marking process. Perhaps when the Product Team meets in the future, this process and product can be more properly evaluated.

o 90-T support is continuing. I have rewritten the adjustable rib owners manual insert in response to feedback from the field. A top lever return spring will be redesigned and a DCR will be done for the locking bolt to reduce the occurrences of the top lever opening on firing.

o The design of a palletized fixture to drill and tap 541 receiver scope holes is continuing.

o The balance of my time was applied towards plant support activities too numerous to itemize but too important to ignore. As always, additional time could be spent in this area as there are many opportunities for process improvements.