

To: R.A. Jackson

September 30, 1993

From: R.S. Murphy

Subject: Progress Report

o The 700 Detachable Box Magazine continues to lead my priority list as we are beginning to machine trial and pilot components.

The fourth axis fixture was mounted on the Bridgeport on the 22nd and was successfully inspected. Program development is underway for the first loading. This will machine the latch clearance and rough the latching surface. Deflection of the parts by the fixture clamp is a problem that needs to be corrected. A fixture has been developed for a second loading to finish machine the latching surface. Additional unanticipated machining on the magazine well will also be done on this second loading.

o 90-T support is continuing. 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. Development of the locking bolt to monoblock contact surface angle is continuing and it appears that an 8 degree angle will keep the gun closed on firing but not be too "sticky". The 90-T from the Test Lab will be sent to Kolar along with ammo to confirm this design change.

o The design of a palletized fixture to drill and tap 541 receiver scope holes is continuing. Project money that I felt was available to design and build this fixture is not available so a project must be written and circulated.

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.