

To: R.A. Jackson

November 29, 1993

From: R.S. Murphy *RS*

Subject: November 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 is working acceptably and is milling approximately 250 parts per day over two shifts. New locators are on order to replace shims which are required to centrally locate the parts. New backer plates to prevent part bending have been made and heat treated and have been installed. The program is also nearly complete to remove the roughing cuts and completely mill the parts in one pass.

Secondary milling cuts on the Light Machines Co. "mini-mill" are going well with the majority of the guards already nose-milled. Finish milling the latching surface is also being done on this machine until the spline mill fixturing is done.

o The Model 7400 and 7600 magazine follower die for the four slide stamping machine has been sent to Whip City for rebuild. A quotation has been requested before work will be authorized.

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.