

To : Bob Orf
 From : Vineet Vermani
 Subj. : Month report for August, 1993
 Date : 30-Aug-1993 Mon 08:17

- O/U Pre Play Gage designed. Currently building (2) in Tool Room.
- New program for machining trigger plates for extended action bar locks has been completed.
- Added temporary operations to O/U selector block, connector and rear connector to bring parts to model drawing..
- Added dial base gage (D-49617) to gage O/U hammers at the grind op'n. Gage is in addition to the existing comparator screen.
- Added dial base gage (D-49616) to gage O/U sears at the grind operation. Gage is in addition to the existing comparator screen.
- Changed reamer and plug gage for hammer pin hole and the cocking rod hole in the O/U hammer. This was done to get the diameters towards the higher side of the tolerance with a new set of reamers.
- New cutter for carrier dog slot on carrier dogs. Done to get the slot towards the higher side of tolerance with a new cutter.
- Meeting with Gray Syracuse to resolve issue around the taper over the width of the O/U hammers.
- Added surface grind operation to the O/U hammers to bring them to model drawing till vendor corrective action is taken.
- Repaired safety actuating rod to model drawing in the tool room.
- New Comparator fixture for extended action bar lock. Fixture also sent to H&P (vendor).
- To resolve O/U heavy trigger pull, the following done for experimental purposes
 - modified connector surface on sear at different angles.
 - modified primary and secondary connector surface on the connec
 - Modified sear plunger spring
- Modifying drill jig and gage to drill & ream sear pin hole on O/U sear. Currently in tool design.
- Conducted tests on creep feed grinding 870 hammers and common sears.
- Working with vendor to Wire EDM the O/U sear.
- Quote for wiring Smith & Wesson trigger and hammer for MIM.
- Design to split O/U hammer fixture to finish mill and grind sear notch is complete.
- Working on eliminating the operation to file the burr on the connector surface of the right hand sear for the O/U.
- Updated O/U hammer, sear, selector block, rear connector and connector process records to reflect the changes made.
- Six 1187 fire controls with special hammers built for R&D guns.
- New common trigger plate assembly fixture ready for build.
- Working with H&P on the project to rework and rebuild tools for the 870 12 Ga. carriers.
- Will be working on the guns in the lab which came back from the gallery because the safety did not work.

Thanks

Vineet Vermani

