

III. REVIEW OF CURRENT PROGRAMS

The programs that we are currently involved in are:

1. COMPLETE EXAMINATION OF GALLERY REJECTS
2. REVIEW OF ALL MACHINE CAPABILITY STUDIES AND QC AUDITS
3. INTERVIEWS WITH GALLERY TESTERS, 7400 ASSEMBLERS, ENGINEERS, ETC.
4. COMPLETE EXAMINATION OF ALL AMMO TYPES BEING USED IN THE GALLERY TO TEST THE NEW MODELS
5. INTERCHANGEABILITY TESTS & MEASUREMENTS OF SUSPECT COMPONENTS ON GUNS WITH THE "DOESN'T LOCK UP" PROBLEM
6. INTERCHANGEABILITY TEST ON THE 7400 "STEM OVERRIDE" MALFUNCTION PROBLEM.
7. A CORRELATION STUDY - COMPONENT DIMENSIONS VS. MALFUNCTION RATE AND TYPE.

All of these programs are designed to help us better understand and define the problems facing us.

IV. REVIEW OF CURRENT PROGRAMS

1. Complete Examination of Gallery Rejects

To better understand the what, where and when of the problem we have had the Quality Control Dept. generate an analysis by round report for the Model 7400 and Model FOUR for the time period beginning at the start of production in August until mid-December. This report lists the malfunctions in terms of the round on which they occurred, the jack in which they were fired and whether a light or heavy ammunition load was used.

Exhibit 9B - shows a PARETO curve of the malfunctions on the 30-06 -- we can see from this chart that the first five malfunctions account for 71.4% of all the malfunctions.

There was a total of approximately 40 types of malfunctions that occurred on the 30-06; this means that one eighth of the malfunction types turn out to be:

DOESN'T LOCK UP  
DOESN'T BLOW BACK  
STEM BOTTOM CHAMBER/STEM BARREL EXTENSION  
POWER OVERRIDE  
and STEM OVERRIDE