

TEST AND MEASUREMENT LAB TEST RESULTS

REQUESTER: T. POWERS TESTER: R.W. HOWE DATE: 2/20/90
 REPORT NO.: 900.301 WORK ORDER NO.: 481158
 WRITTEN BY: R.W. HOWE
 TEST TYPE: STRENGTH

FIREARM STAT'S : MODEL: 700 CAL or GAUGE: _____
 BARREL TYPE: _____ PROOFED: YES _____ NO _____

REASON FOR TEST :

TO DETERMINE THE SHEAR FORCE REQUIRED TO REMOVE
 M/700 REAR SIGHT BASE B-28505 SCREW SHORTENED ONE THREAD
 AS COMPARED TO THE STANDARD LENGTH B-28505 SCREW

EQUIPMENT REQUIRED :

EIGHT ALTERED POWDERED METAL SIGHT BASES
 " " " B 28505 SCREWS
 EIGHT STANDARD PROD. B 28505 SCREWS
 EIGHT SHORT SECTIONS OF M/700 RBL.
 "DILLON" 10,000 POUND CAPACITY DYNAMOMETER & FIXTURES

TEST PROCEDURE :

FOUR EACH OF ALTERED AND UNALTERED SIGHT BASE
 ASSM. WERE PLACED IN DYNAMOMETER FIXTURE AND
 STRESSED TO BREAKING POINT.

ALL BASE SCREWS WERE TORQUED TO 80 IN. LBS.

TEST RESULTS :

SAMPLE NO.	BASE W/ CURRENT SCREW LB. FORCE TO SHEAR	BASE W/ ALTERED SCREW LB. FORCE TO SHEAR
# 1	725 #	650 #
# 2	800 #	825 #
# 3	650 #	750 #
# 4	750 #	700 #
AVERAGE LB. FORCE	731.2 #	731.2 #