

OCT. 10, 85 A.

ITEM GUNS

B 7512428 (12), B7511606 (14), B7512214 (14),
B 7508065 (12), B7512261 (14), B7512192 (14)

ACCURACY

TWIST, CHAMBER, BULLET WEIGHTS)

B 7511966 (12), B 7511642 (14)

F&D 40
WIN ~~ESS~~

2000 Y 2075 (PSP & PLHP)

(223 Rem vs 5.56 GOUT) - F&D 40, WIN ⁵⁵~~ESS~~, RPLHP,

ENDURANCE (SPOLIC)

100 RPS. FACTORY (SAUC PLHP AMMO - GOODSTOCK)

100 RPS. (EXPERIMENTAL PAINTER STOCK)

X P 100 - 223 REM DESIGN TEST

PROGRAM 8-02-85 A.A.H.

1. ^{DONE} OBTAIN TEN 22CFR BARREL BLANKS (MODEL SEVEN)
 - (a) FIVE - 222 REM FOR 14 INCH TWIST
 - (b) FIVE - 223 REM FOR 12 INCH TWIST
2. ^{DONE} TURN BARREL CONTOUR 21 AND CROWN LENGTH TO THAT OF 7mm BR REM BARREL BLANK
3. ^{DONE} WITH DRAW FROM WALK HOUSE TEN X P-100 PISTOLS OR 221 CALIBER
4. ^{DONE} HAVE BARRELS^(in construction) REMOVED FROM RECEIVERS AND DELIVER ACTIONS TO CUSTOM SHOP
5. ^{DONE} HAVE BARREL CHANNEL OR STOCKS RE CUT TO THAT OF 7mm BR REM BARREL CHANNEL OR OBTAIN TEN STOCKS WITH 7mm BR REM BARREL CONTOUR U.S. 14 USC 854 WITHDRAWAL
6. ^{DONE} HAVE CUSTOM SHOP FABRICATE X P 100 - 223 REM PISTOLS. FIVE TO BE STAMPED (12) FOR 12 INCH TWIST AND FIVE TO BE STAMPED (14) FOR 14 INCH TWIST.
7. ^{DONE} PROOF AND ACCURACY TEST ALL TEN PISTOLS WITH 223 REM AMMO. (WITH TRACER MAJOR BRASS (R, W, F).)

(A) ACCURACY TEST MAY BE BOTH IN
GALLERY RANGE AND HAND FIRED.

(100 YARD & 200 YARD INDOOR RANGE(S))?

MAN 126 TEST RESULTS AND PREPARE
TRANSMITTED DETAILS FOR XP-100-223 REM.

DOUBT IN PART
SELECT ONE (12) AND ONE (14) XP100 PISTOL
AND HAVE CHAMBER RE CUT (DOWN THROAT)
TO THAT OF 5.56.

RESHOOT ACCURACY OF ALTERED GUN
AND ONE CONTROL GUN.

FINAL 126 SECOND TEST RESULTS AND
COMPARE TO FIRST ACCURACY TEST.

COMMENT: THE LONGER RANGE XP100
BOLT ACTION PISTOL ACCURACY IS EXPECTED
TO BE A FUNCTION OF CHAMBER PRESSURE
VARIATION(S). A (14) INCH TWIST IS MORE
FOR GIVING THAN A (12) INCH TWIST
BARREL. THE DOWN THROATED 5.56
IS EXPECTED TO BE MORE FOR GIVING
THAN A LESSER THROATED 223 REM.
CHAMBER. IF SIGNIFICANT INDICATION
OR ONE GUN WILL INDICATE IF A LARGER
SAMPLE IS REQUIRED FOR VARIATION
OR ACCURACY DIFFERENCE.

NOT
TIME

1/2 WHEN RE CUTTING THE 223 REM CHAMBER
TO THE 5.56 CHAMBER STRAIN GAGE(S)
SHOULD BE PLACED ON GUN FOR STRAIN
GAGE PRESSURE DATA AND MUZZLE
VELOCITY IF MEAS / TEST TIME ALLOWED.