

OCT. 10, 85 A.

ITEM GUNS

B 7512 428 (12), B 7511 606 (14), B 7512 214 (14),  
 B 7508 065 (12), B 7512 261 (14), B 7512 192 (14)

ACCURACY

TWIST, CHAMBER, BULLET WEIGHTS)

B 7511 966 (12), B 7511 642 (14)

F&D 40

WIN ~~ESS~~

SAFETY 2075 (PSP & PLHP)

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

ENDURANCE (SPOLIC)

100 RPS. FACTORY (SAUG PLHP AMMO - GOOD STUCK)

100 RPS. (EXPERIMENTAL PAINTER STOCK)

X P 100 - 223 REM DESIGN TEST

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

1. <sup>DONE</sup> OBTAIN TEN 22CFR BARREL BLANKS (MODEL SEVEN)
  - (a) FIVE - 222 REM FOR 14 INCH TWIST
  - (b) FIVE - 223 REM FOR 12 INCH TWIST
2. <sup>DONE</sup> TURN BARREL CONTOUR 21 AND GET AIM LENGTH TO THAT OF 7mm BR REM BARREL BLANK
3. <sup>DONE</sup> WITH DRAW FROM WALK HOUSE TEN X P-100 PISTOLS OR 221 CALIBER
4. <sup>DONE</sup> HAVE BARRELS<sup>(in construction)</sup> REMOVED FROM RECURVING AND DELIVER ACTIONS TO CUSTOM SHOP
5. <sup>DONE</sup> 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.A. INVENTORY WITHDRAWAL
6. <sup>DONE</sup> 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. <sup>DONE</sup> 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))?

MANAGE TEST RESULTS AND PREPARE  
TRANSMITTAL DETAILS FOR XP-100-223 REM.

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

RESHOOT ACCURACY OF ALTERED GUN  
AND ONE CONTROL GUN.

FINALIZE SECOND TEST RESULTS AND  
COMPARE TO FIRST ACCURACY TEST.

COMMENT: THE LONG 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 DEEPER 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.