

XP 100 - 223 REM DESIGN TEST

Program 8-02-85 AAM

1. ^{DONE} OBTAIN TEN 22 CAL. BARREL BLANKS (MODEL SEVEN)
 - (a) FIVE - 222 Rem FOR 14 INCH TWIST
 - (b) FIVE - 223 Rem FOR 12 INCH TWIST
2. ^{DONE} TURN BARREL COUPLER AND CENTER LENGTH TO THAT OF 7mm BR REM BARREL BLANK.
3. ^{DONE} WITH DRAW FROM WALK HOUSE TEN XP-100 PISTOLS OF 221 CALIBER.
4. ^{DONE} HAVE BARRELS^(in construction) REMOVED FROM RECOILERS 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 FOR BARREL COUPLER VIA INVENTORY WITHDRAWAL.
6. ^{DONE} HAVE CUSTOM SHOP FABRICATE XP 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 THREE MOTOR BLANKS (P, W, F)).

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

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

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

SELECT ONE (12) AND ONE (14) XP100 PISTON
AND HAVE CHAMBER RE CUT (DOWN THROAT)
TO THAT OF 5.56.

RENOTE ACCURACY OF ALTERED GUN
AND ONE CONTROL GUN.

FINALIZE 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
DIAPHRAGM. THE DOWN THROAT 5.56
IS EXPECTED TO BE MORE FOR GIVING
THAN A LESSER THROAT 223 REM.
CHAMBER. IF SIGNIFICANT INDICATION
OF ONE GUN WILL INDICATE IF A LARGER
SAMPLE IS REQUIRED FOR VARIATION
OR ACCURACY DIFFERENCE.

NOT
Time

WHEN RECUTTING 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 MESS / TEST TIME ALLOWE.