

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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XC: Lab File

XP100
FILECOPY
TO G. J. HILL
B-28-79
P.A.H.

March 27, 1979

XP-100 - 221 FIREBALL CALIBER PISTOL
LOOSE BARREL TEST - B7505984
MARCH 23, 1979 MEAS. & TEST

B7505984 Pistol was delivered to the Meas. & Test Lab with a loose barrel-to-receiver assembly. This XP-100 pistol barrel was rotated such as the rib connected the stock assembly on the right side. Gun inspected visually, safety function tested and dry fired with normal performances.

Headspace was go on min., go on max. and go on min. + .009. Therefore, headspace was to be determined from fired cases for approximation.

Proof Ammunition Lot B02Y was used in this test, which was located in lab proof cabinet.

| TEST A | HEADSPACE | COMMENTS |
|----------------|--------------|---------------------------------|
| Proof Round #1 | Min. to .014 | Normal Case & Pistol Appearance |
| Proof Round #2 | Min. to .014 | Same |
| Proof Round #2 | Min. to .014 | Same |
| Proof Round #3 | Min. to .014 | Same |
| Proof Round #4 | Min. to .014 | Same |
| Proof Round #5 | Min. to .014 | Same |

Pistol inspected and checked over visually with normal fired case and pistol function noted.

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At this point the stock and rib were removed from pistol and barrel, unscrewed approximately 270° to a position such as to place the rib in contact with stock on the left side. Pistol was placed back in fixture for additional testing.

| TEST B | HEADSPACE | COMMENTS |
|-----------------|--------------|--|
| Proof Round #6 | - | No Fire - No Indent |
| Tried 2nd. Time | - | No Fire - No Indent |
| Proof Round #6 | Min. to .059 | Fired case normal No gas leakage but ring at 0.6 inch position. Shell fire formed forward |

NOTE:

First and Second try was accomplished by placing round in chamber and closing bolt in normal manner.

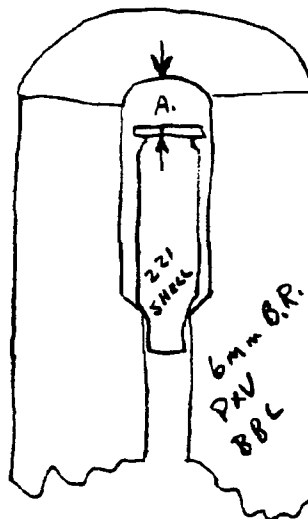
Third try was accomplished by hooking round under extractor hook such as to allow firing pin to reach primer. This required special abnormal loading procedures.

Testing Personnel Involved:

C. J. Miller, A. A. Hugick, G. J. Hill

Pistol returned to P. E. & C. for destruction.

Headspace Measurement
Technique Employed by
A. A. Hugick



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| <u>DIAL INDICATOR READING</u> | <u>SHELL</u> | <u>HEADSPACE</u> |
|-------------------------------|------------------|------------------|
| .066 | Min. + .001 Gage | Min. + .001 |
| .058 | Min. + .009 Gage | Min. + .009 |
| .053 | Proof Round #1 | Min. + .014 |
| .053 | Proof Round #5 | Min. + .014 |
| .008 | Proof Round #6 | Min. + .059 |

A. A. Hugick
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