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Remington Arms Company Inc.
RESEARCH & DEVELOPMENT TECHNICAL CENTER
315 WEST RING ROAD
ELIZABETHTOWN, KY 42701

MEASUREMENTS AND INSPECTIONS:**MEASUREMENTS OF SIGHT HOLES IN BARREL****Procedure:**

To assure that the screw holes in the barrels used for attaching the front and rear sight bases are drilled to the correct model drawing depth, both of the two front sight screw holes and both of the rear sight screw holes will be measured for depth.

- The barrel will be secured in a horizontal position with the bore level.
- A Dial indicator with a sharp point will be attached to a gauge base.
- For each hole to be measured the gauge point will be zeroed on the highest point on the radius of the barrel located just in front of the sight screw hole to be measured.
- The point of the indicator will then be centered in the hole, finding the bottom of the hole where the drill point is located.
- The measurement of this depth will be recorded.
- Repeat process for each of the other 3 sight holes on each sample rifle.
- All rifles in the sample will be checked.
- Specification for the Front Sight Hole Depth is 0.110" +/- .005"
- Specification for the Rear Sight Hole Depth is 0.14" +/- .010"

Data Required

- Rifle serial number
- Measured depth of each screw hole by serial number.

Results:

The following capability graphs summarize the initial measurements for each of the four sight screw holes. As measured by E-town all four holes were measured on the shallow side. The worst case being the front hole for the front sight which had a mean value .004" below the lower specification of .105". This measurement is extremely sensitive to both

May 301 Trial & Pilot Test Remington M710 Centerfire Rifle w/ Iron Sights;
R & D Technical Center Project No. 241095; TI.W0395, TI.W0405, TI.W 0505
file: E:\m710\Trial & Pilot_3006 Iron Sight Guns\M710_T&P_REPORT_JUNE12_Rev0.doc

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Subject to Protective Order - Williams v. Remington