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

TLW 1005**TLW1005H -Measure Firing Pin Indent:**

The firing pin indent will be measured for each of the sample shotguns using SAAMI qualified copper indent crushers. The average of three trials per sample shotgun will be calculated. The Average of three indents must be equal to or greater than 0.012" (see S.A.A.M.I. Technical Committee Manual Volume VIII, Shotgun, Section 8-50.03, Issued 9/21/78.)

Method:

- Using copper indent crushers (see S.A.A.M.I. Technical Committee Manual Volume Shotgun, for proper crusher indent specification to use for this test) "burnish" both ends of the crusher slug by gently rubbing both ends on the granite base of the dial indicator stand (use outside edge of the plate, not the top working surface.)
- Place the copper indent crusher in a 12-gauge shotgun crusher holder (for crusher holder specification see S.A.A.M.I. Technical Committee Manual Volume VIII, Shotgun, Section 8-50.03, Revised 5/28/02). Place the crusher holder on the base of the dial indicator and zero the dial indicator with the point of the indicator in the approximate center of the crusher. Remove the crusher from the crusher holder.
- Carefully, with the gun held so that the muzzle is pointed down toward the floor, gently insert the firing pin indent crusher into the chamber.
- While maintaining a firm hold on the bolt handle, gently, and slowly ease (do not release) the bolt forward until it is firmly seated in the full forward position.
- Holding the firearm in a horizontal and level position, and pointing the firearm in a safe direction, pull the trigger until the firing pin releases.
- Carefully open the action and remove the crusher indent, being careful not to drop the copper crusher, which might potentially nick the edge.
- Return the crusher in the holder and place under the dial indicator. (For specifications for the dial indicator, dial indicator point and measurement position specifications see S.A.A.M.I. Technical Committee Manual Volume VIII, Shotgun, Section 8-50.02, Issued 9/21/78.)
- Move the crusher holder so that the point of the dial indicator finds the deepest portion of the firing pin indent.
- Record the dial indicator reading to the nearest .001".
- Repeat procedure two more times and record the dial indicator readings using a new copper crusher for each trial.
- Each firearm sample should have three readings that will be averaged.

Data Required:

- Shotgun serial number
- Each of the three trial indents
- The calculated average indent by shotgun
- Record all three readings for the data file.
- TLW #
- Testers' Names

TLW1005I -Magazine Capacity Test:

The purpose of this test is to assure that each magazine can be fully loaded to a magazine's designed capacity. The Model 1100 CM, 12-gauge Shotgun must be able to accept 8 rounds in the magazine.

Note that this model is chambered for 2-3/4" shotgun shells only. This test will be performed using 2-3/4" dummy rounds only.

Method:

- Check the firearm's chamber and magazine for the presence of live ammunition. The firearm must not contain any live rounds.
- Make sure the safety is in the "On-Safe" position.
- Hold the test shotgun in a horizontal position and the muzzle pointed in a safe direction, close the bolt over an empty chamber.
- Load 8 dummy rounds into the magazine.

J.R. Snedeker

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