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

TLW 1012

- Carefully, with the gun held so that the muzzle is pointed down toward the floor, gently insert the f. p. 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. Note that allowing the bolt to "slam" home on the indent crusher could result in deforming the soft copper material around the crusher rim and thereby change the "zero" reference point.
- 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 37, Rimfire Rifle, 6-50.02, rev. 3/185/93 & 6-50.03, rev. 10/25/78)
- 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:

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

TLW1012K -Magazine Capacity Test:

The purpose of this test is to assure that each magazine, when fully loaded to a magazine's designed capacity, can be fully inserted and locked into position into the rifle with the bolt in the closed and locked position. The model 504, .22 Long Rifle must be able to accept 6 rounds in the magazine and still be inserted and locked into a rifle. Note that 7 rounds should not fit in the magazine.

This test will be performed using dummy rounds.

Method:

- Check rifle for live ammunition.
- Place the test rifle in the short range shooting jack with muzzle located in a shooting port and the rifle located securely in a shooting jack, close the bolt over an empty chamber.
- Load 6 rounds into the magazine.
- Insert magazine into the rifle, it must lock securely in place.
- Cycle the 6 dummy rounds through the chamber and eject each round manually, do not fire the rounds.
- Remove the empty magazine box and repeat test two additional times per sample.
- Collect the live rounds from the catcher and count the rounds recovered (there should be 18) so that live rounds don't end up in the scrap brass barrels.
- Proceed to the next test rifle and repeat the test procedure.

Data Required:

- Rifle serial number.
- Record any failures to load and cycle properly by box and by rifle.
- TLW Number
- Testers' Names

J.R. Snedeker

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