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

TLW 1012

For this test use 2 rifles. For the first part of the test the sample rifle will have a rifle bullet driven into the bore to a position immediately ahead of the chamber. A standard round (.22 Long Rifle) will be loaded and fired remotely. All testing will be done in the blow-up room using the new high-speed video camera and witness paper. If the test round produces broken parts or other debris, photographs of the parts as located in the blow-up room will be taken for the record. After collection and removal of the parts from the room additional photographs of the various individual components will be taken for the record. All parts and will put in sample bags, boxed and temporarily stored for review.

For part two of the test, repeat the procedure with a bullet driven into the bore from the chamber to a position approximately half-way the length of the barrel.

Method:

- Place lead bullet from .22 caliber round into the chamber end of the bore.
- With a steel rod of a slightly smaller dia. than the bore drive the bullet down the bore until it is located just ahead of the chamber so that there is room to load a standard factory round (.22 Long Rifle) into the chamber and close and lock the bolt.
- Place the rifle in the test jack in the blow-up room with the muzzle located in the port.
- Place witness paper in position and turn on high-speed video system and prepare to capture shot.
- Tie lanyards in place.
- When preparations are complete, load 1 standard factory round into the chamber and carefully close the bolt, but do not rotate into locked position, and move the safety to the "Fire" position.
- Leave the room, finish closing the bolt to its down and locked position with the bolt-close lanyard, start the video camera.
- When ready pull the lanyard to fire the round.
- Examine the rifle, the witness paper and the video for signs of damage. Take digital photos of any observed damage.

Data Required:

- Record whether or not damage to the rifles is evident.
- Save high-speed video files and any digital photos of damage.
- Note whether any damage was observed on the witness paper.
- Record round level on the firearms.
- Record the serial numbers of the rifles used.
- Record Testers' Names
- Record TLW Number.

TLW1012AQ - Slam Test:

This test evaluates the "sensitivity" of the rifle to the possibility of inadvertent firing that might result from rough handling during the normal use of the firearm where a user might attempt to close the bolt forcibly. The purpose of this test is to determine if the firing pin will "follow-down" if the bolt is closed in this manner. This test will be done on 6 rifles selected at random from guns A1 to A29.

Method:

- For this test the sample firearm will be placed in the standard Remington test jack with the muzzle located in the port.
- The tester will use a glove for hand protection.
- After checking for live ammunition close the bolt on an empty chamber.
- Move the safety from the "S" or SAFE position to the "F" or FIRE position.
- Open and close the bolt forcibly 3 times, paying attention during each cycle whether the firing pin follows down.
- The firing pin must not follow down during any of the three cycles.
- At the conclusion of testing put the safety in the "S" or SAFE position and open the bolt.

J.R. Snedeker

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