

CONFIDENTIAL

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

TLW 1012Method:

- Check rifle for presence of live ammunition.
- Remove action from stock.
- Locate action in fixture on 30" Optical Comparator.
- Close and lock bolt over an empty chamber.
- Place safety in the off safe or ("OFF") position.
- At 50-1 magnification align the rear and top of the trigger with the horizontal and vertical centerlines respectively on the screen.
- Measure the horizontal distance from the rear of the trigger to the front vertical surface of the sear and record measurement without a load being applied to the trigger.
- Using the thumbscrew device located on the fixture, slowly apply a load to the trigger while noting the distance that the trigger moves until the sear falls. Make a note of this total travel. Calculate 60% of the total travel – this calculation will be used in the next step.
- Re-cock the rifle and slowly turn the thumbscrew moving the trigger toward the release point while monitoring the distance on the comparator screen until 60% of the total distance to the release point is reached. At this point, reverse direction of the thumbscrew and release the load on the trigger. The trigger must return to its start position (within $\pm 0.001"$).

Data Required:

- Start point
- Total distance to release point
- Calculated 60% distance.
- Final End point.
- TLW Number
- Testers' Names

TLW1012Q -Live Round Extraction:

This test will ensure that the rifle, as designed, will successfully extract live rounds from the chamber. This test uses a selection of Remington and competitor's .22 Long Rifle ammunition. Each ammunition type used will be cycled at least two cycles for each type through the firearm each cycle consisting of a full six round load of rounds in the magazine box. All rounds will be fed from the magazine.

CAUTION! -

- This test will involve the use of live ammunition.
- Use Safe Gun handling Safety Procedures.
- Do not leave live rounds in the belly protectors after completion of the test procedure!
- This test must be done with the muzzle in the shooting port.

Method:

- Clean all spent brass from the belly-protector that will be used to conduct this test. All rounds will be collected after live round extraction and returned to inventory unless damaged by the test procedure.
- Place the test rifle in the shooting port with the butt located in the saddle of the test jack.
- Make sure that the safety is in the on safe or ("SAFE") position throughout this test.
- Select 12 rounds of the first type of ammunition.
- Load 6 of the rounds into the magazine.
- Load the first round into the chamber by closing the bolt slowly. Close the action and lock the bolt in position. Do not fire the rifle.
- Lift the bolt slowly and draw the bolt slowly to the rear. The round must be extracted from the chamber and ejected from the receiver.
- Repeat slow load and slow extraction with the second round.

J.R. Snedeker

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Subject to Protective Order - Williams v. Remington