

CONFIDENTIAL

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

TLW 1005

This test is conducted to determine if the safety mechanism will release the trigger mechanism and cause the firearm to discharge if the shooter pulls the trigger intentionally or accidentally with the safety in the "On-Safe" position. In addition, sufficient force is applied to the trigger with the safe in the "On-Safe" position to assure that the trigger dimensions or shape will not change thereby affecting hammer/sear engagement.

Method:

- Inspect and verify the shotgun is not loaded and the safe is in the "On-Safe" position.
- Measure the trigger pull.
- Close the bolt.
- Locate the firearm in a horizontal position with the muzzle pointed in a safe direction.
- Using the set of plug gauges determine the amount of minimum clearance between the rear of the trigger and the inside rear of the trigger guard. This dimension will be used as a reference to determine if the loading in the next steps has deformed the trigger.
- With the safe in the "On-Safe" position, "load" the trigger with the equivalent of a 40-lb. weight using the Chatillon 0-50 lb. digital force gauge.
- Remove the load from the trigger.
- Move the Safety to the "Fire" position; the shotgun must not discharge.
- Return the Safety to the "On-Safe" position.
- Carefully remove the shotgun from the holding device and with the muzzle pointed in a safe direction, pull the trigger. The hammer must fall.
- Using the plug gauges measure the minimum clearance between the rear of the trigger and the inside rear of the trigger guard with the firing pin fully cocked.
- Measure the trigger pull to insure that it has not changed from the beginning of the test.

Data required:

- Shotgun serial number
- Measurements of Trigger pull, engagement, over-travel and trigger/trigger guard clearance before and after loading.
- Note that the shotgun "fired" or did not fire when the safety was pushed to the "Fire" position.
- Note that the shotgun did "fire" when the trigger was pulled.
- TLW Number
- Testers' Names

TLW1005L -Live Round Extraction:

This test will ensure that the shotgun, as designed, will successfully extract live rounds from the chamber. This test uses a selection of Remington and competitor's 12-gauge 2-3/4" shotshell rounds. Each ammunition type used will be cycled at least two cycles for each type through the firearm, each cycle consisting of a full eight (8) round load in the magazine. 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 anytime live rounds are present in the firearm.

Method:

- Clean all spent rounds from the belly-protector that will be used to conduct this test.
- All live rounds will be collected after live round extraction and returned to inventory unless damaged by the test procedure.

J.R. Snedeker

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Revision #1.0

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Subject to Protective Order - Williams v. Remington

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