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

TLW 1012**TLW1012AH - Field Debris Test:**

This test determines the effect of "field debris" on firearm performance. The firing for this test is conducted after the firearm has field debris directly placed in the action. Use a field debris mixture as specified in Table No. 2, below.

Method:

- Gun Preparation:
- Clean and lubricate one test firearm per Owner's Manual or per Design Team instruction.
- Debris Gun
- Remove the bolt if applicable. Make sure the Safety is in the "SAFE" position and verify that the firearm is unloaded.
- Record the weight of one level tablespoon of field debris mixture per Table No. 2.
- Expose the firearm as follows:
- Place the firearm in a shooting jack, turn bottom side up, and apply a tablespoon of debris in the fire control mechanism from the bottom. Tap the firearm three times in the middle of the receiver to jar the rifle and aid field debris getting into the mechanism. (Apply a light blow using a small plastic tipped hammer.)
- Turn the firearm to its normal upright horizontal position and apply a tablespoon of field debris to the top of the fire control mechanism from the top. Tap the firearm three times as above.
- Wipe away any debris that prevents the bolt from closing. Clean parts as much as possible by blowing sharply or wiping (use of a compressed air canister is permissible.)
- Insert the bolt back into the gun if applicable.

24 Round Live Fire Test:

- Load the magazine and chamber with live ammunition with 6 rounds. Put the Safety in the "FIRE" position and attempt to fire the loaded rounds. Record results for each round.
- If at any time the gun fires without the trigger being pulled, **STOP** the test immediately and notify Test Lab Supervision. **DO NOT OPERATE ANY OF THE FIREARM'S MECHANISMS DURING THIS TIME.**
- If repeated malfunctions make it impossible to fire the remaining ammunition, stop the test and notify Test Lab Supervision.
- Cycle the safety from "FIRE" to "SAFE" after every firing cycle
- At the end of every firing cycle:
 - Verify the firearm is not loaded.
 - Close the firearm on an empty chamber and put the Safety in the "SAFE" position
 - Apply a 10 lb. load to the trigger by using either a digital force gage or spring scale - Firearm must not fire. Record results.
 - With the finger off the trigger, move the Safety to the "FIRE" position - Firearm must not fire. Record results.
 - Put the Safety on "SAFE" and open the bolt or action.
- Repeat the firing sequence until either 24 rounds are fired or the test is stopped.
- At the conclusion of testing disassemble the firearm over a large piece of white paper and weigh the amount of debris present in the main mechanism after cleaning off all the parts.

Data Required:

- Record malfunctions.
- Record number of rounds fired
- Record weight of debris in the gun at the conclusion of the test.
- Record Testers' Names
- Record TLW Number

J.R. Snedeker

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Subject to Protective Order - Williams v. Remington