

CONFIDENTIAL

## Remington Arms Company Inc.

RESEARCH & DEVELOPMENT TECHNICAL CENTER  
315 WEST RING ROAD

- Measurements of Trigger pull, engagement, over-travel and trigger/trigger guard clearance before and after loading.
- Note that the rifle "fired" or did not fire when the safety was pushed to the "Fire" position.
- Note that the rifle did "fire" when the trigger was pulled.

**TLW0683AE – 40 lb. Trigger Pull Test (Remington Test)**

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 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 will not change thereby affecting trigger/sear engagement. Prior to start of test verify that trigger pull, engagement and over-travel are within recommended specifications on the sample rifles.

Method:

- Inspect and verify the rifle is not loaded and the safe is in the "On-Safe" position.
- Locate the firearm in a vertical position with the muzzle pointed up.
- 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.
- Using the "pegboard" for primed cases (*please refer to procedure TLP 0210.0*)– remove the primed case from the pegboard and carefully load a primed case into the chamber and close the bolt.
- With the safe in the "On-Safe" position, using the NRA trigger pull rod, load the trigger with a 40-lb. weight.

- **BE EXTREMELY CAUTIOUS TO STAY CLEAR OF THE MUZZLE IN**

**CASE THE FIREARM DISCHARGES THE PRIMED CASE.**

- Remove the load from the trigger.
- Place the muzzle in the small snail bullet trap.
- Move the Safety to the "Fire" position, the rifle must not discharge.
- Return the Safety to the "On-Safe" position.
- With the muzzle still located in the small snail bullet trap, pull the trigger, the rifle must discharge. Extract the shell case.

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