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

TLW 1012

- Zero the indicator dial on the receiver just rearward of the sear.
- Lightly depress the sear until contact with the trigger is felt and hold in place.
- Indicate to the top of the rear portion of the sear and record the measurement.
- Reinstall the bolt assembly and close over an empty chamber.
- Use pin gauges to measure the gap between the receiver and the bottom of the firing pin, record the gap width.
- Subtract the gap width from the indicated measurement and record as the firing pin to sear engagement.

Data Required:
- Firearm serial number
- Measurements for Sear / Trigger engagement
- Measurements for Sear / Firing Pin Head engagement
- Record Testers' Names
- Record TLW Number

TLW1012O -Trigger Movement, Safety On, (10 lb. Pull):

(See Procedures in Appendix I)

This test is designed to determine the amount of relative travel between the sear and the trigger that might occur if the shooter has the safe in the on safe or "SAFE" position and tries to pull the trigger with the trigger block in position. Movement of the trigger relative to the sear, if any, cannot exceed 0.005" with a 10 lb. weight applied to the trigger with the safe in the on safe or "SAFE" position. For this test the trigger pull should be set at 3 – 5 lb.

Method:
- Check the firearm to be sure that no live ammunition is present in the chamber.
- Remove the action from the stock.
- Locate the action on the 30" comparator in the "10 lb. trigger pull fixture".
- Close and lock the bolt over an empty chamber and put the safety in the on safe or "SAFE" 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.
- Using the pulley, cord and a ten-lb. weight apply a load to the trigger with the safe on.
- Measure the distance again of the horizontal distance from the rear of the trigger to the front vertical surface of the sear and record the measurement. This difference in position before and after applying the ten lb. weight, if any, must not exceed 0.005"

Data Required:
- Serial number of sample
- The horizontal distance from the rear of the trigger to the front vertical surface of the sear before applying the 10 lb. load.
- The horizontal distance from the rear of the trigger to the front vertical surface of the sear after applying the load.
- TLW Number
- Testers' Names

TLW1012P -Regain:

(See Procedures in Appendix I)

The purpose of this test is to determine that if the trigger is partially pulled then released will it return to its fully engaged position under the sear. For this test the trigger will be moved rearward 60% of its full trigger/sear engagement and the trigger must return to its original position under the sear (± 0.001" from its original position) after the load is removed.