

**CONFIDENTIAL**

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

**ACCURACY TESTING:****ACCURACY AND POI TESTING – TLW0300AC THROUGH TLW0300AF****TLW0300AC – POI & Group Size – Initial Test with High Quality 36X Scope @ “zero” rounds**

The point of impact test involves the verification of the firearms sighting system adjustment and the potential to hit the point of aim. Random variation and/or extreme difference in shot to shot point of impact (as well as group size) typically indicate improper barrel processing and is used as a final inspection flag in production. Shoot three, 5-shot groups from each test rifle. Use the same code of ammunition for all point of impact test shots.

**Method:**

- Pick the point of aim on the target
- Adjust point of aim to the bulls-eye at 100 yards
- Shoot five “warmer” shots
- Shoot three, 5-shot groups
- Cycle the safety from fire to safe every 5 rounds

**Data Required:**

- Measure POI vs. POA for each shot in terms of “x” and “y” position
- Measure group sizes center to center
- Record takedown screw torque
- Record make and identifier of scope
- Record ammunition type used
- Record ammunition lot numbers used during the test
- Record and label any fail-to-fire ammunition.
- Record any malfunctions that occur during the test.

J.R. Snodcker

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