

**CONFIDENTIAL**

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

## **FUNCTION & ENDURANCE TESTING:**

### **FUNCTION AND ENDURANCE TESTING – TLW0300Y THROUGH TLW0300AB**

#### **TLW0300Y – Ten (10) Round Safety Function Test with Lanyard:**

As an additional safety precaution, each of the 30 sample rifles will be placed in the standard Remington test jack located in the Blow-Up Room and shot with ten rounds of standard load ammunition. Each shot will be fired with a lanyard with the shooter located outside of the room when the rifle is fired. At the completion of the ten rounds the rifle and spent cases will be examined for any signs of damage or abnormal conditions.

#### **TLW0300Z - Basic Jack Function Test (100 Rounds w/Rem. Ammo):**

To get a picture of the product's functional capability, a 100 round per rifle jack function test will be conducted. Five bullet types will be used, 20 rounds (all Remington) of each in each rifle to evaluate the potential for feeding problems. The test will be conducted in the Remington test jacks (heavy configuration) with the "belly-protectors" in place and fully closed for each shot. All malfunctions and any unusual behavior will be noted on the data forms. The overall average of all sample rifles should be at or below 2-% malfunction rate. Up to two rifles from the sample of 30 are permitted to be removed from the averaging process if they have excessive malfunction rates relative to the remaining group of 28 samples. No major mechanical failures are allowed in the test sample. Major mechanical failures are defined as those failures that cannot easily be repaired with simple tools and/or readily available replacement parts. At the conclusion of this test the firearms will be carefully examined for signs of excessive wear, especially with respect to the plastic components.

#### **Method:**

- Check each rifle for the presence of the proof stamp(s) – do not shoot unless the stamp(s) are present.
- Check each rifle for headspace
- Draw ammunition from stores – See test lab manager for ammo types to be used for this test.

J.R.Snedeker

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Revision # 3