

**CONFIDENTIAL**

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

**TLW 1012**

<b>Table No. 2 - Field Debris Mixture (By Volume)</b>	
Dried Grass Clippings	2 parts
Toothpicks (round, .25" long max.) to represent twigs	1 part
Bird Seed	1 part
Table Salt	1 part
Small Stones (.015" dia. to .125" dia.)	1 part
Crushed Dry Leaves	2 parts
Pine Needles	1 part
Hair Samples (no longer than 2 inch)	1 part

**TLW1012AI - Dynamic Sand & Dust Test:**

This test evaluates the effects of blowing sand and dust on firearm performance. In this test the test firing is conducted after the firearm is removed from the sand and dust environment. Use the sand and dust mixture as specified in Table No. 1, below.

Method:Gun Preparation:

- Clean and lubricate one test firearm per Owner's Manual or per Design Team instructions and seal the muzzle with tape.

Debris Cabinet Preparation: (Place cabinet in the Abuse Room for this test.)

- Completely clean the inside of the cabinet of all loose substances.
- Obtain a 500 ml (approx. 16 fl. oz.) quantity of Sand & Dust mixture prepared as per recipe in Table No. 1.
- Pour the 500 ml of Sand & Dust mixture into the bottom of the cabinet.
- Connect the debris cabinet to a supply of compressed air capable of supplying a minimum of 60-psi pressure. **(Make sure air is off at this time.)**
- Record the actual line pressure used for this test. Anywhere between 60 and 90 psi is considered acceptable.
- Position the air hose inside the cabinet so that it blows the debris around uniformly when the air is turned on.

Debris Gun:

- Make sure the Bolt is open and the Safety is in the "SAFE" position. (ISS "Off")
- Mount the firearm in the center of the debris cabinet with the barrel in a horizontal position with the top of the receiver positioned upward.
- Load the firearm with a single primed case by inserting in the chamber and close the bolt. Follow procedures for use and handling of primed cases.
- With the firearm in the center of the box, fasten the box lid.
- Turn the air on.
- After 1 minute, stop the blowing air, open the lid, and turn the firearm upside down in the box. Replace the lid and turn the air back on for another minute.
- Turn the air off.
- Remove the gun from the box after first attempting to wipe the firearm clean with gloved hands. Clean parts as much as possible by either blowing the rifle with compressed air or shaking the firearm. Carefully remove the tape from the muzzle. **REMEMBER THAT THE RIFLE HAS A PRIMED CASE IN THE CHAMBER.**
- Take the rifle to a test booth in the short range and insert the muzzle into the port opening and then secure the stock into the jack.
- Turn on the snail and air ventilation system as per normal operating procedures.

J.R. Snedeker

Page 30 of 41

03/21/03

Remington Confidential

Revision # 1.3

C:\Program Files\TCDF\CrackerLoaderREM\REME\email\rawblob\20060120133028A00024912.doc