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

TLW 1005

- Tester's name

TLW1005O -Basic Shoulder Function Test (to 100 rounds):

To get an early picture of the product's functional capability from the perspective of the customer, a 100 round per shotgun shoulder function test will be conducted to evaluate the potential for feeding problems. Use all test shotguns and control guns for this test.

These malfunctions may be different from those noted in the jack test due to shooter reactions to recoil potentially affecting bolt velocity. The test will be conducted in the long range shooting from a standing position.

Use the Ammunition Schedule as listed in TLW1005N above.

All malfunctions and any unusual behavior will be noted on the data forms. The overall average of all sample shotguns should be at or below the 4% total malfunction rate. (See the malfunction criteria as listed in TLW1005N above for details.)

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.

Method:

- Draw ammunition from stores. Use the Ammunition Schedule as listed in TLW1005N above.
- Perform all range preparations required for shooting in the long range. Make sure the range ventilation is turned on.
- Wear safety glasses with side shields and double hearing protection.
- When ready to fire, the tester should stand in the doorway of the long range and when firing should be careful to keep the shot in the center of the range to prevent damage to shields, lights, etc.
- Load the eight (8) rounds into the magazine and cycle the bolt to feed the 1st round into the chamber.
- Push the safety to the "Off-Safe" position.
- Fire the first round in the chamber, listen for any off-sounds, and be alert for any other unusual behavior.
- Note any extraction or ejection problems.
- Continue to fire the remaining rounds in the magazine until the last round is fired.
- Push the Safety to "On-Safe" position.
- The safety will be pushed to the "Off-Safe" position at the start of every eight (8) round trial and will be pushed to the "Off-Safe" position at the end of every eight (8) round trial.
- After firing 100 rounds the shotgun will be checked carefully for the presence of any live ammunition and if empty will be placed in the cooling rack. The safety will be in the "On Safe" position and the bolt will be unlocked and fully open at all times while gun is stored with the muzzle outside of the shooting port.
- Compressed air may be used, if necessary to cool the inside of the chamber area if the shotgun is excessively hot from firing.
- All malfunctions will be recorded on the data sheets.

Data Required:

- Shotgun serial number
- Tester's name
- Date of test firing
- The TLW Number
- The ammunition used for the test with the ammo code number of the rounds actually used.
- Any malfunctions noted or other unusual items of note.

TLW1005P -Extended Function & Endurance:

This Endurance Test will be shot to accomplish two purposes. The first purpose is to determine an estimate of the product's expected malfunction rate over an extended period of shooting. The second is to determine both the estimated life of individual components as well as the expected life (in rounds) of the product before system failure occurs. For purposes of definition, a

J.R. Snedeker

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