

## Remington Confidential

- The Average Force measurement per box.
- The serial number of the Chatillion Digital Force Gauge used for the procedure.

### TLW0010J - Measure Recoil Force:

Using the Remington designed recoil force device, measure the recoil forces for both the .30-06 and .270 caliber rifles. This test will only be done during Phase II with the synthetic stocks assembled to the actions. The measurements will be taken for information only.

#### Method:

- Assemble device to stock.
- Shoot the test in "blow-up" range using the jack. Fire the rifle remotely. (As an alternative, the rifle may be shot from the shoulder, with prior review of the safety status of the firearms.)
- Use the round with the heaviest available factory bullet.
- Shoot ten rounds per sample rifle.
- Average the ten rounds for each sample.

#### Data Required:

- Rifle serial number
- The peak force recorded for each shot
- A plot of each shot
- The average for peak force of the ten trials per rifle.

### TLW0010K - Measure Lock Time:

Using the Remington method of measuring Lock Time, measure the lock time on the sample rifles provided. Do three trials on each sample rifle. Average the three trials. This data is for information only. The expectation is that lock time will be in the 3-msec. range. This test is scheduled for Phase I testing but may have to be postponed until Phase II if the metal stocks create a measurement problem.

#### Method:

- Standard Remington Lock Time Measurement procedure. (Sear Safety Cam release to 1<sup>st</sup> firing pin contact with the primer.)