

REMINGTON ARMS COMPANY, INC.

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CONFIDENTIAL

Ilion, New York  
April 4, 1986

TO: W.H. COLEMAN, II

FROM: J.W. BOWER

STAFF NOTES - NBAR LOCK TIME

Lock time is defined as the elapsed time between releasing the sear and firing the round. The shorter the lock time, the less time the shooter must remain motionless on the target, and, hence, the more accurate the rifle. One of the goals of the NBAR program has been to design a lock time that is less than that on the current Model 700 BDL, which the NBAR will replace.

The Research Test Lab has completed their lock time evaluation and it indicates that the design goal has been met. Five NBAR rifles and three Model 700 BDL's, all in 30-06 caliber, were fired five rounds each. The average lock time for the NBAR rifles was 2.665 m sec., versus 3.048 m sec. for the Model 700's. The NBAR's ranged from a low of 2.398 m sec. to a high of 2.834 m sec. For comparison, the range on the Model 700's was 2.906 m sec. to 3.251 m sec. Statistically, the difference is significant.

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