

REMINGTON ARMS COMPANY, INC.  
Firearms Research Division

June 18, 1981

TO: R. E. NIGHTINGALE  
FROM: E. W. YETTER, JR.  
SUBJECT: S.A.A.M.I. DROP TEST vs. ALTERNATE DROP TEST  
DEMONSTRATION

-----

ABSTRACT

S.A.A.M.I. Representative A.A. Hugick requested a video tape to demonstrate the equivalence of the proposed SAAMI TU 79 Firearms Design tests with the pendulum drop test. The evaluation of the test is inconclusive because of insufficient sample size. I recommend a minimum sample size of 30 before any conclusions can be made.

PROCEDURE

Data was generated by an accelerometer mounted on the barrel extension mounting bolt of a Model 7400. The attached diagram shows how the circuit was connected.

We tested each gun orientation once, using the video <sup>on</sup>tape. Then we tested three more times -- not enough of a sample to provide conclusive data. A sample plot and data table are attached.

EWY:T  
Attach.