

## REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington



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Bridgeport, Connecticut  
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E. SPARRE - E. HOOTON, JR.

16 GAUGE RIFLED SLUG INVESTIGATION

Due to advice from Products Service that a number of complaints, including one personal injury were being received concerning the above load, the following information has been developed.

Complaints to date: 8  
Codes involved: U05B, U06B, U09B, U11B and W15K

Nature of complaints: Burst Barrel M870  
Blown-up Gun M37  
2 Slugs Left in Barrel  
Remainder: Loose Slugs

Inspection of returned product coded U11B, disclosed varying amount of fluff left in the shells and undersized rifled slugs. Slugs were measured as .623" diameter and should have been .645" - .650" diameter. Score marks on slugs indicated a sizing operation which was traced to the use of the wrong size bushing on the loading machine. Because of the undersized slugs, vibration in transportation allowed the fluff to sift out of all but the most tightly loaded shells. Due to inherent variations in base wad height, powder charge and fluff weight, the tightness of the loads vary within a normally acceptable range. The more fluff lost from the shells, the looser the load, which adversely affects the ballistics of the load, although no extremely low pressures were found in recorded daily controls.

The 16 Gauge rifled slug load with fluff was begun March 11, 1971 and production of this load has been as follows:

March 1971 -	73,000 Shells - Code T-R
April 1971 -	349,000 Shells - Code T-T
September 1971 -	157,000 Shells - Code U-L
October 1971 -	278,000 Shells - Code U-B
May 1972 -	302,000 Shells - Code W-K
June 1972 -	132,000 Shells - Code W-S

RECEIVED

6 1972

G M CALHOUN

Enclosure 1

WIL06558