

Case No.	Pressure - psi		Velocity - f/s
	Avg.	Max.	Avg.
1	69,000	74,500	3,007
2	69,000	74,000	2,990
3	70,800	73,000	3,017
4	73,500	77,700	3,043
5	70,100	74,000	3,031
6	69,000	74,000	2,987

For comparison, the nominal proof load pressure is 85,000 psi. 83

Field & Consumer Services (E. G. Larson) reported a second incident similar to the one leading to the current investigation. This incident, reported by a customer in Montana, also resulted in a bolt lockup in a Remington Model 700 rifle. Field & Consumer Services also reported that the first gun, returned by the Massachusetts customer, appeared to be in good condition after the incident, and that 25 rounds of the questionable ammunition were fired in it without any problems. (See Exhibit A.)

Ammunition Research (W. D. Nickel) reported the results of tests and measurements they conducted. (See Exhibit B.) These results indicate that case hardness of the ammunition in question is not a problem; and that the powder mix situation, even with ammunition stored at high temperatures, would not produce pressures sufficient to lockup a Remington Model 700 rifle. Pressures causing lockup could result from a combination