

CENTER FIRE RIFLESMODELS 7400 - 7600 - Contd.MODEL 700 BOLT LOCK
(1981 Introduction)

Research reviewed a design concept for a selective Bolt Lock that is independent of the Fire Control. This system allows the shooter the freedom to choose the type of Bolt Lock operation he desires and to operate the Safety in any condition the rifle may be in. This means the Bolt may be open or closed, and the rifle may be fired or unfired.

Exhibit 4-2 shows the Safety in the "ON SAFE" position with the Bolt locked and the Bolt handle down.

Exhibit 4-3 shows the Safety in the "ON SAFE" position, the Bolt unlocked and the Bolt handle raised. Here the shooter depresses the release with his thumb to unlock the Bolt.

Exhibit 4-4 shows the Safety in the "ON SAFE" position, the Bolt unlocked with the Bolt handle raised and starting back to a load and unload position.

Exhibit 4-5 shows the Safety in the "OFF SAFE" position, the Bolt locked and the gun ready to fire.

Exhibit 4-6 shows the Safety again in the "OFF SAFE" position. The gun has been fired and the Bolt handle can be raised to load or unload the next round without having to depress the release.

MODEL 700 FIRE CONTROL IMPROVEMENTS
(1982 Introduction)

Research reviewed the operation of the improved Model 700 Fire Control. This Fire Control has been designed in conjunction with the new Bolt Lock system.

Exhibit 4-7 shows the Fire Control in a ready to fire condition. Note that the Safety, Trigger and Interceptor have a common pivot. This is done to reduce accumulated manufacturing tolerances of these critical components. Also note the Sear is supported by two independently moving parts.

IREM 0028325 1

IREM 0028027 1



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