

MODEL 1100 SHOTGUN

Wayne Leek, Manager of Ilion Research, briefed the sub-committee on the design of the fire control used in the Model 1100. In 1966, a modification was made to the left connector which prevented the possibility of certain malfunctions in the gun in the event the positions of the left connector and disconnecter were reversed. Such reversal in a Model 1100 without the modified left connector could cause the gun, under the right set of circumstances to fail to fire due to a follow-down, to fire on closing, or to "double" (two shells are fired with one pull of the trigger). "Doubling" is not a safety hazard because the second load follows immediately in the direction where the muzzle of the gun was pointing on the intentional first shot. Nor does the muzzle of the gun ever get behind the shooter during "doubling" even when the gun is in free recoil. Recently, it has been found that if the Model 1100 is fired repeatedly with an unmodified left connector reversed, the interceptor latch may become so deformed that it would permit more than one shell to enter the magazine, giving rise to the possibility of firing full automatic (multiple shells fired with one pull of the trigger). Firing full automatic, unexpectedly, as opposed to doubling, is dangerous because on the third shot, the muzzle of the gun could be out of the shooter's control and, conceivably, the gun could recoil behind him. To fire full automatic, however, the Model 1100 must not only have the reversal with an unmodified left connector, but the feeding of more than one shell into the magazine, which means the interceptor latch must fail to function normally.

Our calculations, using the tolerances involved in the fire control, indicate that it is statistically impossible for an unmodified left connector to reverse positions spontaneously with the disconnecter inside the Model 1100.

Spontaneous reversal is not a problem, but it is conceivable that reversal can be effected by someone out in the field disassembling and incorrectly reassembling the fire control. To prevent negligent reversal, Remington continues to instruct gunsmiths on the function and proper position of the left connector and disconnecter. Our Owner's Manual has always recommended the proper method of removing and cleaning the fire control without the removal of the left connector or the disconnecter.