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Principles of Operation of the Semi-Automatic System

The SKS operates on the simple principles of a semi-automatic weapon. Gas ported off from the barrel helps operate the mechanical aspects of the carbine. The bolt pulls a cartridge from the non-detachable 10 round, staggered, double column magazine and inserts the cartridge into the chamber. The bolt is locked into place and the chamber is sealed when the bolt locking lug is engaged by the receiver locking lug. When the trigger is pulled and the hammer is released, the floating firing pin (inside the bolt) impacts the primer of the cartridge, igniting the powder and propelling the bullet down the rifled barrel. Near the end of the barrel gas is siphoned off and ported into the carbine's gas cylinder and gas tube. The gas piston is then driven back towards the receiver, impacting the gas piston extension (that is spring controlled). The gas piston extension travels towards the receiver striking the bolt carrier. The bolt carrier is driven back driving the bolt to the rear of the receiver. The spent cartridge case is extracted and ejected and the whole process starts over again.

Loading Single Rounds



- 1) Pull bolt handle and lock back to rear of receiver.

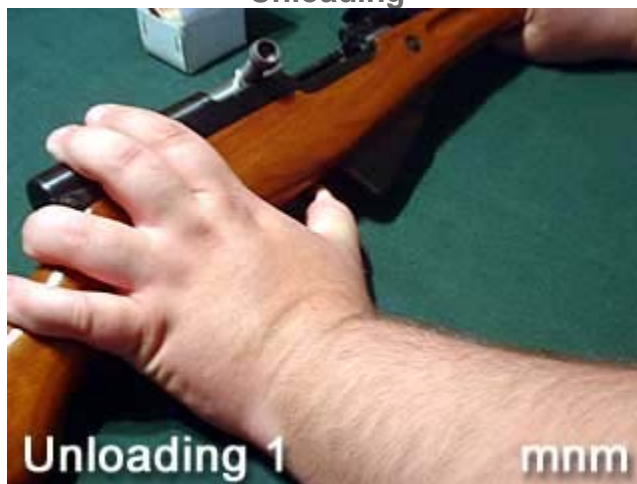


2) Place rounds one at a time from top of receiver.



3) Place up to 10 rounds in magazine.

Unloading



1) Make sure safety is on and rifle is pointed in safe direction.



2) Depress magazine release to rear of magazine (in front of trigger assembly).



3) Allow magazine to pivot open.



4) Allow all unfired cartridges to fall from receiver.
Safety Operation



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