

M1 Garand Stoppage/Malfunction, Cause, Action/Remedy – Based on US Army FM 23-5, TM 9-1005-222-35 & TM 9-1275

Stoppage/Malfunction	Probable Cause	Action/Remedy
Failure to feed ammunition.	<ul style="list-style-type: none"> • Lack of lubrication of operating parts. • Defective or worn parts. • Short recoil. 	<ul style="list-style-type: none"> • Clean and lubricate parts. • Replace parts. • See 'short recoil' under stoppage/malfunction list.
Failure to chamber ammunition.	<ul style="list-style-type: none"> • Lack of lubrication of operating parts. • Dirty chamber. • Defective ammunition. 	<ul style="list-style-type: none"> • Clean and lubricate parts. • Clean chamber. • Replace ammunition.
Failure to lock bolt.	<ul style="list-style-type: none"> • Lack of lubrication of operating parts. • Dirty chamber. • Dirty locking recesses. • Weak op rod spring. 	<ul style="list-style-type: none"> • Clean and lubricate parts. • Clean chamber. • Clean recesses. • Replace op rod spring.
Failure to fire ammunition.	<ul style="list-style-type: none"> • Defective ammunition. • Defective firing pin. • Defective trigger housing group. 	<ul style="list-style-type: none"> • Replace ammunition. • Replace firing pin. • Repair trigger housing group.
Failure to unlock bolt.	<ul style="list-style-type: none"> • Dirty chamber. • Lack of lubrication of operating parts. • Insufficient gas. • Follower arm pin worn. • Follower arm bent or out of tolerance. 	<ul style="list-style-type: none"> • Clean chamber. • Clean and lubricate parts. • Tighten gas cylinder lock screw, and/or clean or replace worn parts. • Replace follower arm pin; verify pin hole diameter. • Replace follower arm.
Failure to extract spent cartridge case.	<ul style="list-style-type: none"> • Dirty chamber. • Defective ammunition. • Broken extractor. 	<ul style="list-style-type: none"> • Clean chamber. • Replace ammunition. • Replace extractor.
Failure to eject cartridge case.	<ul style="list-style-type: none"> • Broken ejector or spring. • Short recoil. 	<ul style="list-style-type: none"> • Replace ejector or spring. • See 'short recoil' under stoppage/malfunction list.
Failure to cock hammer.	<ul style="list-style-type: none"> • Defective trigger housing group. • Short recoil. 	<ul style="list-style-type: none"> • Repair trigger-housing group. • See 'short recoil' under stoppage/malfunction list.
Cartridge clip inserts with difficulty.	<ul style="list-style-type: none"> • Deformed cartridge clip. • Broken clip ejector. • Interference between bullet guide and follower arm. 	<ul style="list-style-type: none"> • Replace. • Replace. • Replace bullet guide or follower arm.
Short recoil (op rod does not fully cycle).	<ul style="list-style-type: none"> • Undersized or out of round op rod piston. • Oversized gas cylinder. • Undersized barrel at gas port. • Carbon in gas cylinder. • Carbon or foreign matter in gas port of barrel. • Op rod assembly binding. • Leak in gas cylinder lock screw with valve. • Defective op rod spring. • Bolt binding. • Distorted or damaged receiver. 	<ul style="list-style-type: none"> • Replace op rod assembly. • Replace. • Rebarrel firearm. • Clean. • Clean. • Replace op rod assembly if damaged, or relieve wood from gun stock assembly, where op rod binds on wood. • Replace gas cylinder look screw with valve. • Replace op rod spring. • Remove burs from bolt. • Repair or replace receiver.
Bolt fails to close tightly.	<ul style="list-style-type: none"> • Extractor does not open enough to pass over rim of cartridge. • Op rod assembly binding. • Weak or broken op rod spring. • Rust or dirt in chamber. • Damaged cartridge, or frozen ejector. • Damaged/deformed bolt and/or receiver • Insufficient headspace. 	<ul style="list-style-type: none"> • Clean bolt assembly. • Replace op rod or relieve wood from stock assembly where op rod binds on wood. • Replace op rod spring. • Clean barrel chamber. • Repair or replace ejector. • Replace bolt or receiver. • Replace bolt assembly by selective fit or headspace.

Stoppage/Malfunction	Probable Cause	Action/Remedy
Bolt does not release when clip is latched.	<ul style="list-style-type: none"> • Insufficient radii or burs on op rod catch or op rod hooks. • Bullet guide low at accelerator bearing point. 	<ul style="list-style-type: none"> • Repair or replace op rod catch or op rod assembly. • Replace bullet guide.
Bolt releases before clip is latched.	<ul style="list-style-type: none"> • Worn or broken clip latch. • Worn or broken clip latch spring. • Excessive radii on op rod catch or op rod assembly • Bullet guide high at accelerator bearing point. 	<ul style="list-style-type: none"> • Replace clip latch. • Replace clip latch spring. • Replace op rod catch or op rod assembly. • Replace bullet guide.
Premature cartridge clip ejection.	<ul style="list-style-type: none"> • Worn cartridge clip detents. • Weak clip latch spring. • Worn clip latch. • Bent follower rod. • Worn follower rod forks. • Worn or deformed op rod catch. • Worn follower arm. • Follower rod rubs on op rod catch. 	<ul style="list-style-type: none"> • Replace cartridge clip. • Replace clip latch spring. • Replace clip latch. • Replace follower rod. • Replace follower rod. • Replace op rod catch. • Replace follower arm. • Replace follower rod, clip latch, or op rod catch.
Bolt fails to be held rearward after firing last round of clip and clip held inside of rifle jammed by bolt.	<ul style="list-style-type: none"> • Bolt does not move sufficiently rearward. • Binding clip latch. • Arm or op rod catch bent or deformed. 	<ul style="list-style-type: none"> • See ‘short recoil’ under stoppage/malfunction list. • Replace clip latch. • Replace op rod assembly.
Failure to eject spent cartridge case.	<ul style="list-style-type: none"> • Low power, causing short recoil. • Weak, missing, or frozen ejector spring. • Ejector binds. • Short recoil. 	<ul style="list-style-type: none"> • Correct ‘short recoil’ stoppage/malfunctions list. • Replace ejector spring. • Clean bolt ejector opening or remove burs from ejector. • Clean gas port. Replace op rod assembly or helical spring.
Failure to eject cartridge clip.	<ul style="list-style-type: none"> • Clip ejector worn, weak, or broken. • Op rod catch deformed or broken. 	<ul style="list-style-type: none"> • Replace. • Replace op rod catch.
Failure of bolt to open after firing.	<ul style="list-style-type: none"> • Plugged gas port. • Loose gas cylinder. • Barrel undersize at gas port area. • Gas cylinder lock screw with valve fails to close. 	<ul style="list-style-type: none"> • Clean gas port. • Replace gas cylinder. • Replace barrel. • Replace gas cylinder lock screw with valve.
Failure to fire.	<ul style="list-style-type: none"> • Light indent on primer. • Inadequate firing pin protrusion. • Hammer spring housing damaged. 	<ul style="list-style-type: none"> • Replace hammer spring. • Replace firing pin. • Replace hammer spring housing.
Pressure on trigger does not release hammer.	<ul style="list-style-type: none"> • Deformed trigger, pin, or hammer. 	<ul style="list-style-type: none"> • Replace defective trigger, pin or hammer.
One or more live cartridges ejected with clip.	<ul style="list-style-type: none"> • Op rod assembly releases too soon when clip is inserted. 	<ul style="list-style-type: none"> • Replace op rod catch and/or bullet guide.
Op rod assembly disengages from bolt while firing.	<ul style="list-style-type: none"> • Worn op rod lug or kinked op rod spring. • Receiver op rod guide rail excessively worn. 	<ul style="list-style-type: none"> • Replace op rod assembly or op rod spring. • Replace receiver or rebuild receiver guide rail.
Slam fire or out of battery fire.	<ul style="list-style-type: none"> • Defective ammunition. • Wrong ammunition. • Incorrect barrel chamber dimensions (headspace). 	<ul style="list-style-type: none"> • Replace. • Replace. • Properly headspace or rebarrel and headspace.