

Collecting the & Shooting SURPLUS RIFLE

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- [Yugo M-48](#)
- [M1 Garand](#)
- [Russian Mosin Nagant](#)
- [Swiss Schmidt Rubin](#)
- [Swedish Mauser](#)
- [German Mauser 98k](#)
- [Finnish Nagant](#)
- [Nagant Carbines](#)

How to: Disassemble and Reassemble the M1 Garand.

So, you just purchased a surplus Garand or one of the many new Garands being offered on the market?

Don't know how to disassemble it beyond the typical field stripping?

Learn how to - here at Surplus rifle with a hands-on, "step by step" article on how to disassemble and reassemble (as General George S. Patton described it) *"The greatest battle implement ever devised"*.

Uses of the M1 Garand Original Combination Maintenance Tool

Remove and replace the gas cylinder lock screw and various other screws; and seat the rear sight base

Extract the cartridge case

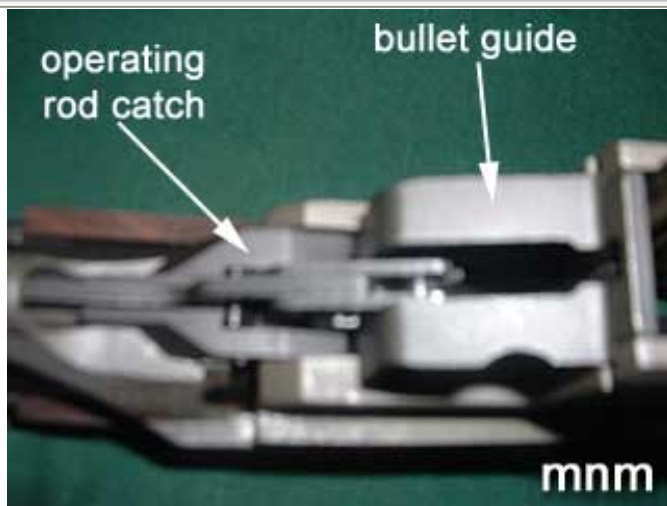
remove pins and assemble the extractor and ejector

Assemble and disassemble the extractor and ejector without removing the bolt from the rifle

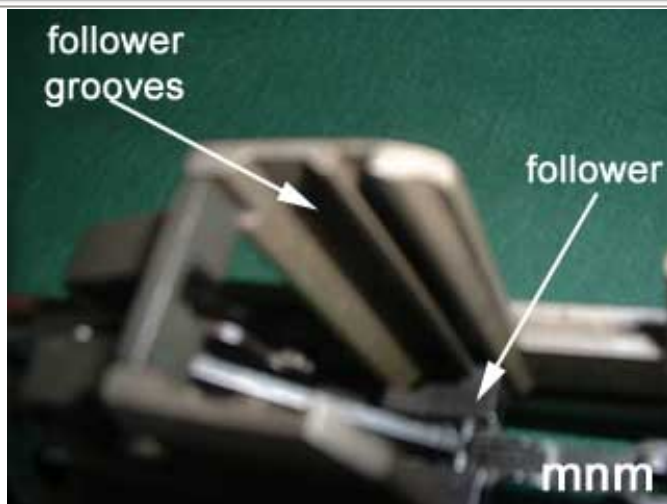
Clean the chamber of the barrel

Install the extractor spring and plunger

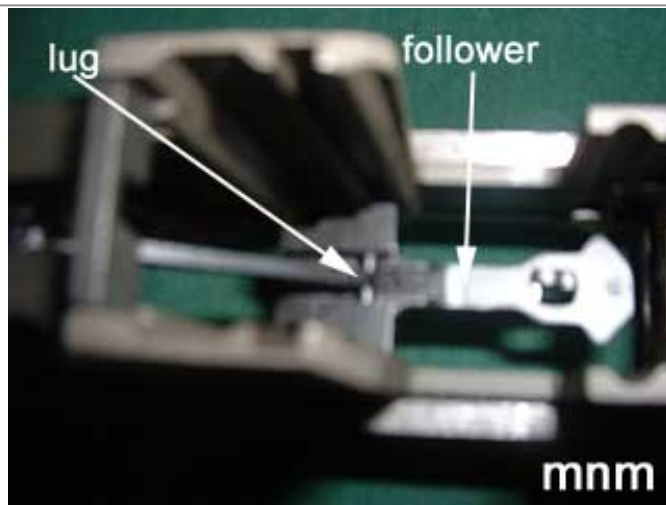
Legend 1



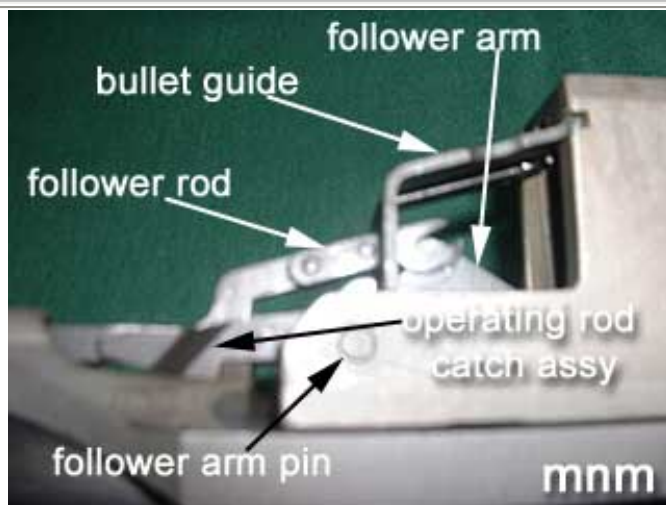
Legend 2



Legend 3



Legend 4



Legend 5



To properly disassemble an M1 Garand you need a slotted screw driver, a needle nose pliers, a small punch, a medium punch, and an M1 Garand Original Combination Maintenance Tool.



Figure 2 - Garand Tool

If you don't have an M1 Garand Original Combination Maintenance Tool, you can find one at [Midway USA](http://www.midwayusa.com).

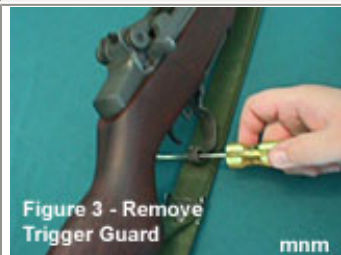


Figure 3 - Remove Trigger Guard

Use the slotted screwdriver to pull trigger housing guard to rear and then downward.

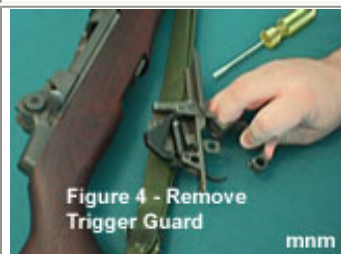


Figure 4 - Remove Trigger Guard

Remove the trigger assembly by grasping trigger guard and pulling down and away from the rifle.



Figure 5 - Remove Receiver from stock assy

Remove receiver and barrel from stock by pulling up and away from stock.



Figure 6 - Field Stripped Garand Components

Displayed in **Figure 6**, is the M1 Garand field stripped into its three main parts: 1) receiver and barrel assembly, 2) stock, and 3) the trigger assembly.

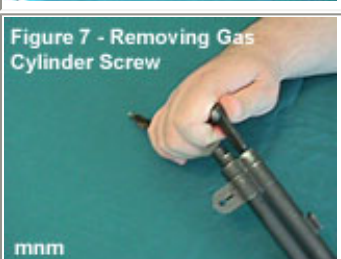
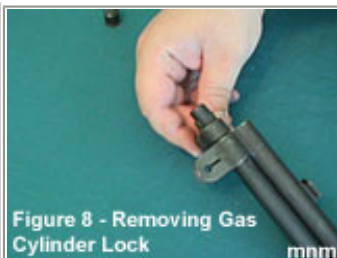
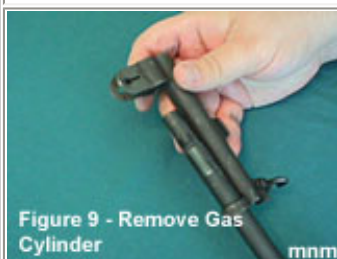


Figure 7 - Removing Gas Cylinder Screw

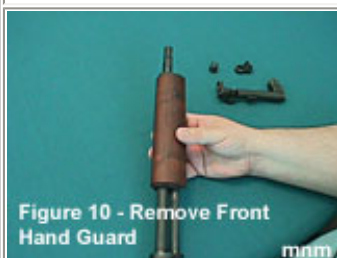
Using the slotted screwdriver attachment on the Garand Tool, unscrew the gas cylinder screw at the end of the gas cylinder. The use of the Garand Tool is recommended to do this task because of the size of the slots in the end of the screw would require a very large slotted screwdriver, which most people don't have on hand. Also the handle can be turned to a right angle to the screw driver, which gives considerably more torque than a normal screwdriver.



Finish unscrewing the gas cylinder lock using your hand.



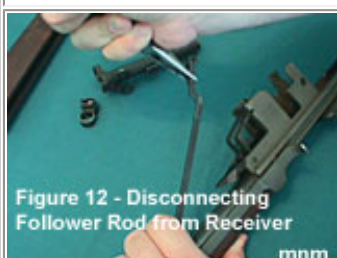
Carefully remove gas cylinder from rifle barrel and gas piston.



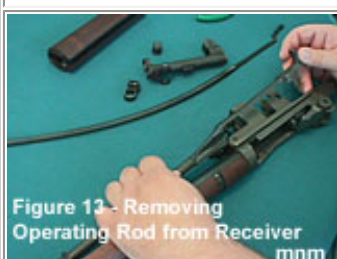
Slide front hand guard forward and remove from barrel.



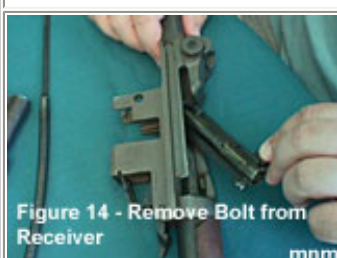
With receiver bottom facing up, use the needle nose pliers and disconnect the follower rod from the follower arm in the receiver.



Once the follower arm is disconnected from follower arm, remove the follower rod and spring by pulling out of operating rod.



While holding the operating rod handle, pull back to rear of receiver, then pull up and then forward.



Pull bolt almost all the way to the rear of the receiver and then you can pull up and out of the receiver.



Figure 15 shows the position of the rear hand guard, lower band retaining pin. The barrel should be pointing to the right to remove pin.



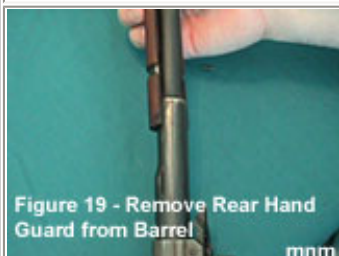
Use the medium punch to tap pin out of lower band, you may have to use the small punch to finish guiding pin out of band.



Using the needle nose pliers - finish removing retaining Pin.



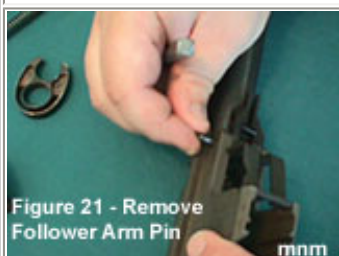
Slide lower band from barrel and set aside.



The rear Hand guard is now free to slide off of the barrel. Pull hand guard forward to around 3 inches forward of original positions and remove.



Lightly punch out follower arm pin from receiver.



Finish removing follower arm pin by pulling from other side of receiver.



Now the follower, follower arm, and bullet guide will easily fall out of receiver.



Now place the bullet guide in place as shown in **Figure 23a** .



After bullet guide is in place, insert follower with shoulders in grooves in receiver. Insert follower arm, tilt until lugs pass through bullet guide. Insert operating rod catch and then insert pin as shown in **Figure 23b**.



Look inside receiver and make sure the catch operating arm is as shown in **Figure 23c**.



After sliding the rear hand guard over the barrel and to the front of the receiver, slide the lower band over barrel and up against rear hand guard.



Insert pin into lower band and tap into hole as shown in **Figure 25**.



You may have to use a punch to finish tapping the lower band pin.



Turn receiver over and insert bolt into receiver as shown in **Figure 27**.



Figure 28 shows the bolt properly installed into the receiver.



To attach operating rod, begin by taking lug of operating rod and inserting it into the channel at rear of receiver as shown in **Figure 29**.



Then pull operating rod forward catching the bolt and locking into place.



Test whether bolt and operating rod are properly installed by lightly cycling back and forth to make sure there is no binding or stoppage as shown in **Figure 31**.



Reinstall operating rod spring by sliding the open spring end into the operating rod as shown in **Figure 32**.



Once spring is in operating rod take other end and connect to follower arm as shown in **Figure 33**.



Slide the front hand guard over barrel and piston as shown in **Figure 34**.



Slide gas cylinder over barrel and piston as shown in **Figure 35**.



Hand thread gas cylinder lock over end threads on barrel end as shown in **Figure 36**. Screw it onto barrel until it is flush then back it off until it is aligned for insertion of gas lock screw.



Hand thread into gas cylinder as shown in **Figure 37**.



Take Garand Tool and tighten the gas cylinder screw until fairly tight as shown in **Figure 38**.

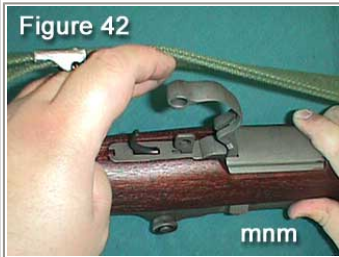


Cycle bolt as shown in **Figures 39 and 40** and make sure it moves easily without any binding or stoppage.





Insert receiver and barrel assembly into stock as shown in **Figure 41**.



Turn rifle over and the trigger assembly into receiver by carefully aligning lugs in the trigger assembly in the channels in the receiver. Snap Trigger guard down and lock into place.



You have completed the disassembly and reassembly of the M1 Garand.

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