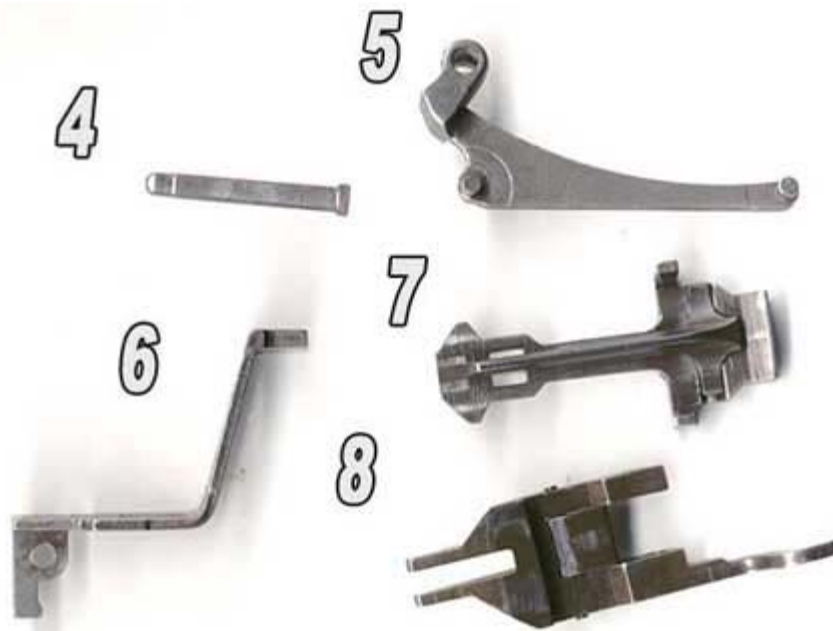


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Part Number	Description
1	Gas Cylinder Lock Screw
2	Gas Cylinder Lock
3	Gas Cylinder
4	Follower Arm Pin
5	Follower Arm
6	Bullet Guide
7	Follower and Slide Assembly
8	Operating Rod Catch



1) With the rifle pointed in a safe direction pull back the operating rod handle and ensure the rifle is unloaded.

2) Depress the magazine follower.



3) Close the bolt by pushing the operating rod handle forward.

4) Set the safety as shown in figure 4.





5) Pull the trigger guard to the rear.

6) Pivot the trigger guard forward.



7) Pull the trigger assembly straight up and out of the rifle.

8) Pivot the receiver forward.



9) Separate the barrel/receiver assembly from the stock.

10) Loosen the ferrule swivel screw.





11) Remove the ferrule assembly.



12) Unscrew the lower butt plate screw.



13) Remove the lower butt plate screw.



14) Remove the rear swivel.





15) Unscrew the upper butt plate screw.



16) Remove the upper butt plate screw.

17) Remove butt plate assembly.



18) Figure 18 shows the M1 Garand Combination Maintenance Tool

Here are the uses for the tool:

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

19) Using the combination tool's screw driver, turn the gas cylinder lock screw counter clockwise. Note that



you should not hold onto the forward handguard for leverage as you can damage it. Hold onto the barrel and gas assembly.



20) Remove the gas cylinder lock screw.

21) Rotate the gas cylinder lock counter clockwise.





22) Remove the gas cylinder lock.

23) Slide the gas cylinder forward and off.



24) Slide the upper hand guard forward.

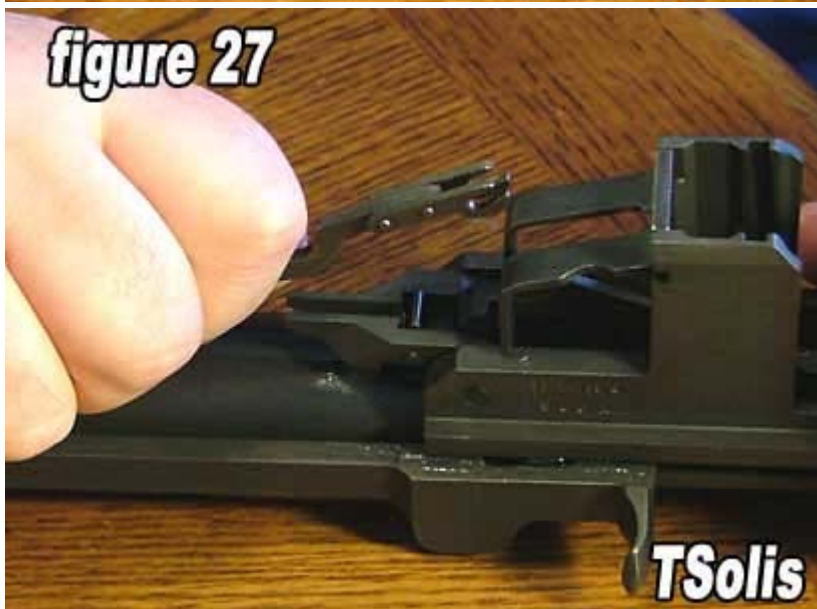


25) Remove the upper hand guard.





26) Grasp the follower rod as shown in figure 26.



27) Pull the follower rod to the rear, compressing the operating rod spring.

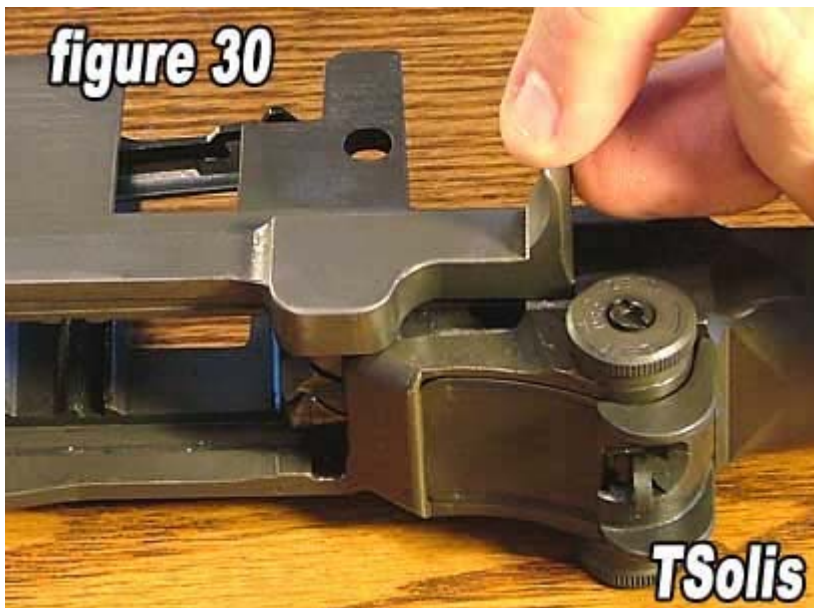
28) Remove the follower rod and operating rod spring.





29) Separate the follower rod and the operating rod spring.

30) Pull the operating rod to the position shown in figure 30. The operating rod lug rides in a channel or guide on the right hand side of the receiver. Where the handle is positioned in figure 30 there is an enlarged section that allows the operating rod lug to be removed from the channel.



31) Rotate the operating rod slightly toward the top of the receiver while lifting at the handle end.

32) Remove the operating rod. Note that the operating rod is slightly bent. Do not fret as this is supposed to be this way. Be careful with the operating rod so as not to bend or damage it while it is disassembled from the rifle.



33) Push the bolt to the rear of the receiver and then hold the bolt at the angle as shown in figure 33.

34) Pull the bolt out as shown in figure 34.





35) There are many different ways to remove the lower band pin from the lower band. I prefer to use a very narrow tipped punch and lightly tap out the pin.

36) Figure 36 shows the lower band and the extracted lower band pin.



37) Slide the lower band forward.

38) Slide the lower hand guard forward.



39) Once the rear hand guard band clip clears the grooves in the side of the barrel lift the lower hand guard off.



40) On the left hand side of the receiver lightly push out the follower arm pin.

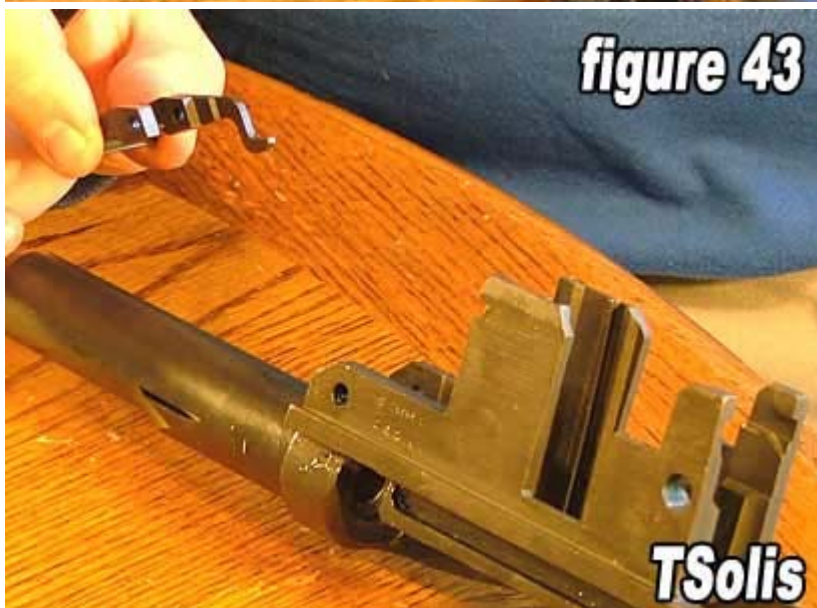




41) Pull the follower arm pin out the rest of the distance on the right side of the receiver.

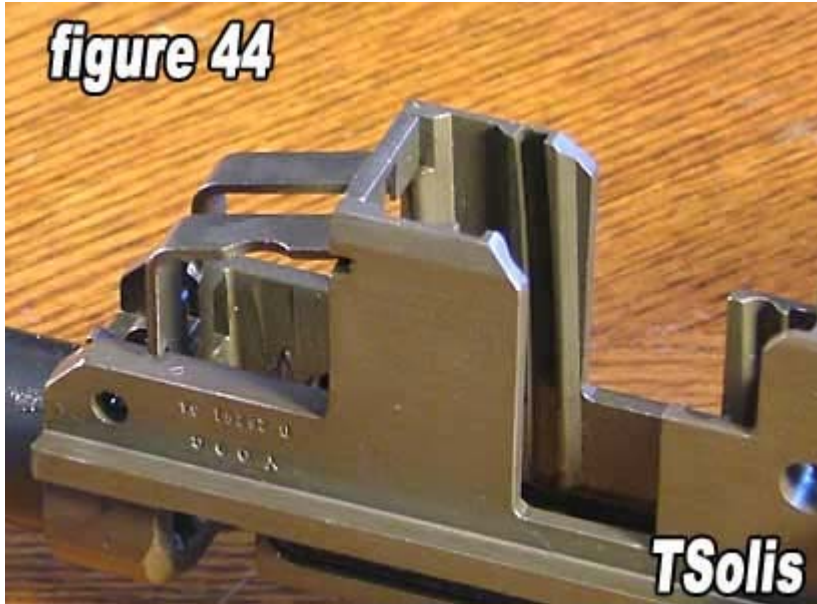


42) Lift out the follower arm and bullet guide. Note the follower and slide assembly slid out of the receiver.



43) Remove the operating rod catch.

### Reassembly Instructions

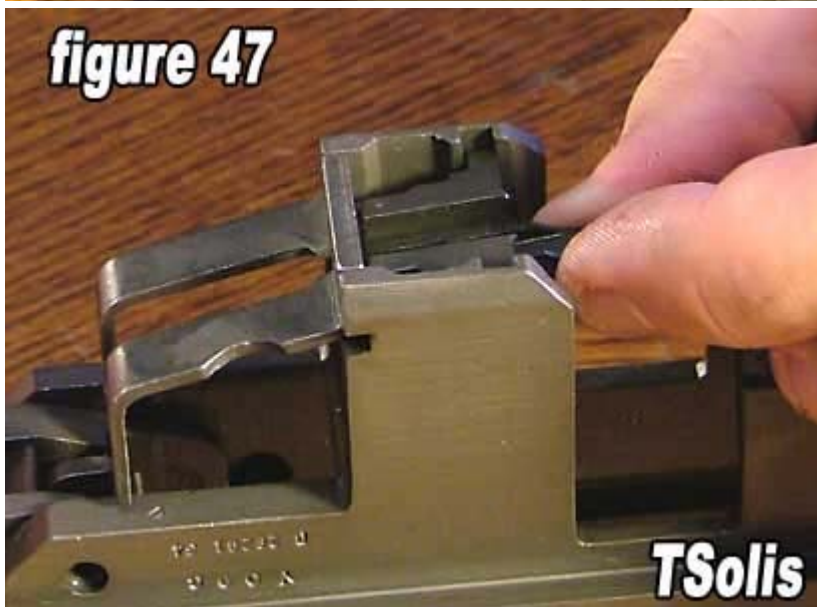


44) Install the bullet guide as shown in figure 44.



45) Replace the operating rod catch.

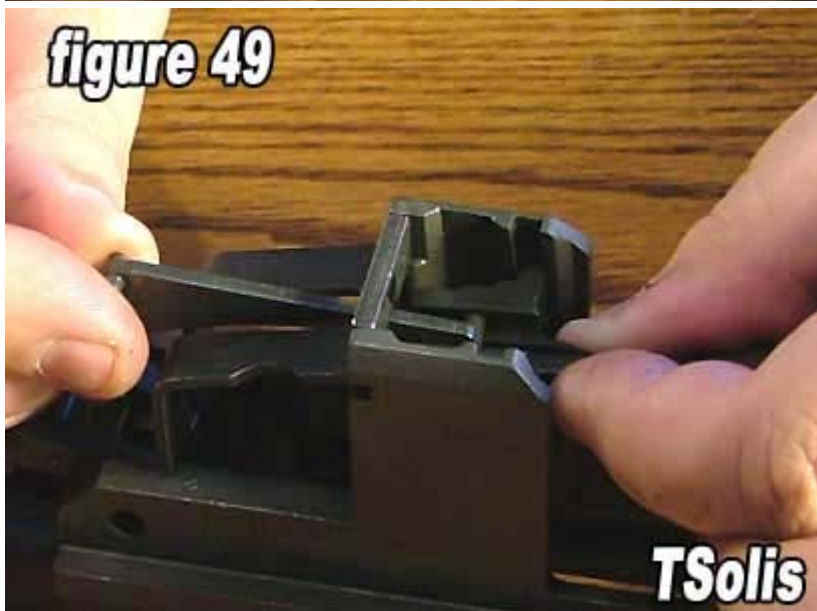
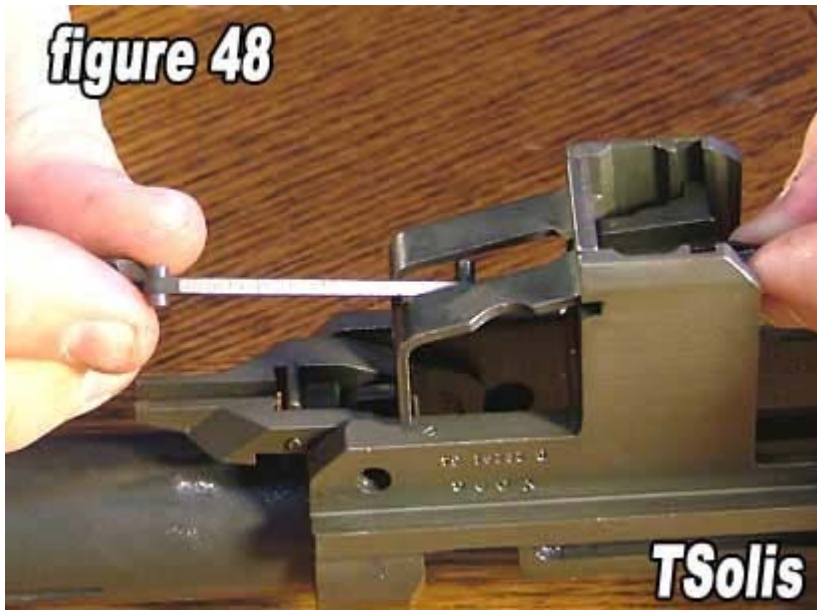
46) Note that the operating rod catch is hooked above the magazine catch latch.



47) Slide follower and slide assembly back into the receiver. Make sure the follower side is facing towards the top of the receiver

48) Pivot the follower arm sideways through the center of the bullet guide's rails.





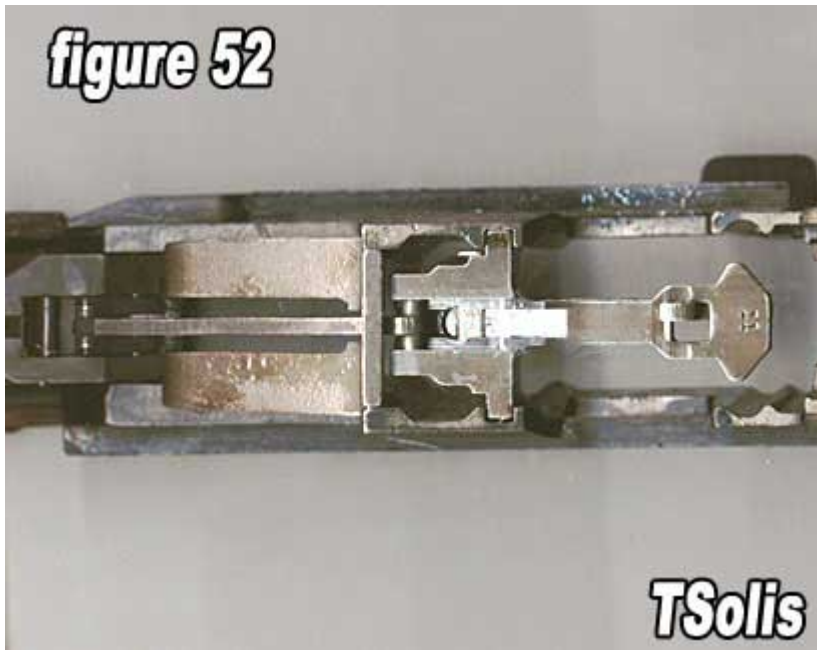
49) The small trunnions of the follower arm should slide into the follower and slide assembly.

50) Make sure the holes in the follower arm, operating rod catch, and the bullet guide all are lined up. Insert the follower arm pin into the right side of the receiver.



51) Figure 51 shows the completed assembly of the lower receiver components.

52) Figure 52 shows the completed assembly of the lower receiver components as seen from the bottom of the receiver.



53) Snap the rear hand guard band clip into the grooves in the side of the barrel.

54) Figure 54 shows the lower band and the side that should face the lower hand guard when installed.





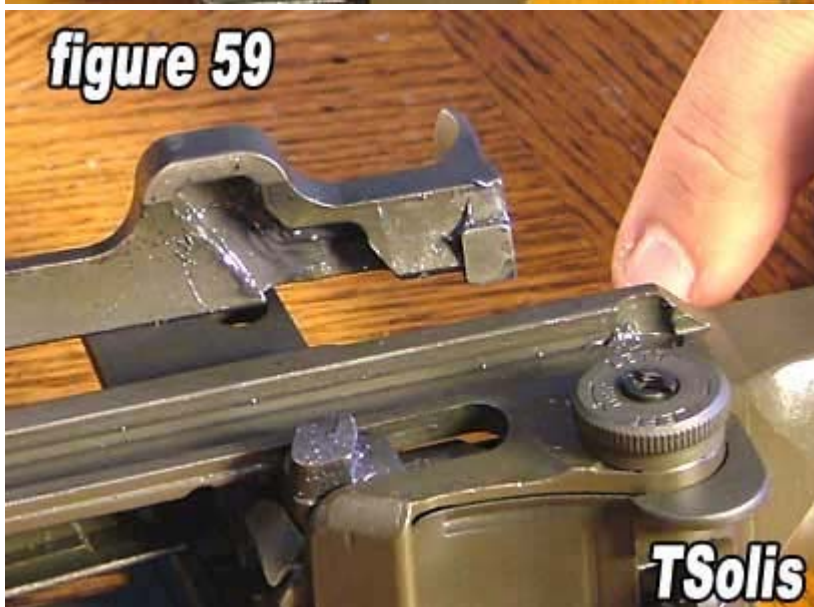
55) Slide the lower band till it mates with the lower hand guard.

56) Insert the lower band pin.



57) Pivot the bolt into the receiver as shown in figure 57.

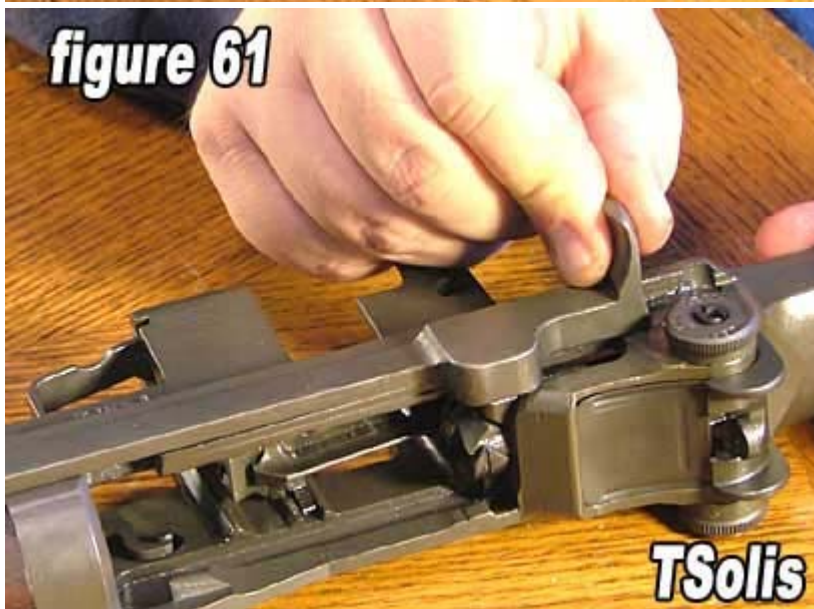
58) Complete bolt installation.



59) Figure 59 shows the under side of the operating rod handle. Note the L-shaped channel the bolt lug fits into. Also note the lug on the operating rod that is inserted into the channel on the right side of the receiver. In figure 59 directly across from the operating rod lug there is an enlarged entry place in the receiver's channel.

60) Insert the piston end of the operating rod below the lower band.





61) Insert the operating rod and line up the L-Shaped channel over the bolts' lug while also inserting the lug at the rear of the operating rod into the channel on the right hand side of the receiver.

62) Move the bolt and operating rod forward.



63) Note the tapered end of the operating rod spring as shown in figure 63.

64) Insert the follower rod into the tapered end of the operating rod spring.



65) Insert the non tapered end of the operating rod spring into the operating rod.

66) Pull the follower rod to the rear, compressing the operating rod spring. Attach the front of the follower rod to the follower arm.





67) Figure 67 shows the correct attachment of the follower rod to the follower arm.

68) Slide the upper hand guard over the barrel and operating rod.



69) Slide the upper hand guard to the rear until it fits up against the lower band.

70) Slide the gas cylinder over the barrel and operating rod.



71) Slide the gas cylinder up against the hang guard ferrule at the front of the upper hand guard.

72) Slide the gas cylinder lock onto the barrel.





73) Thread the gas cylinder lock clockwise until it rest against the gas cylinder and allows the gas cylinder plug to be inserted.

74) Insert the gas cylinder plug into the gas cylinder lock.



75) Hand tighten the the gas cylinder lock screw by turning it clockwise.

76) Using the combination tool's screw driver, turn the gas cylinder lock screw clockwise. Note that you should not hold onto the forward handguard for leverage as you can damage it. Hold onto the barrel and gas assembly.



77) Install the butt plate assembly



78) Insert the upper butt plate screw





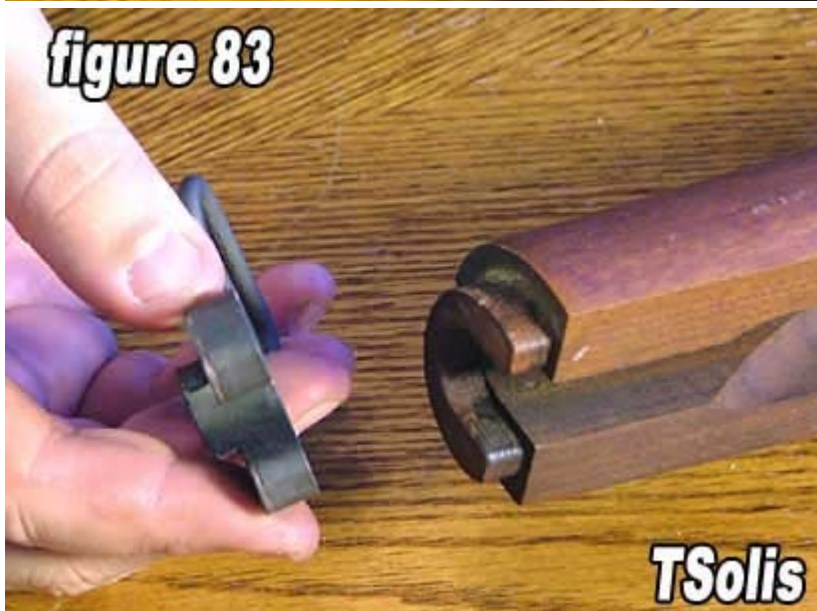
79) Tighten the upper butt plate screw

80) Insert the rear swivel as shown in figure 80.



81) Insert the lower butt plate screw

82) Making certain the lower butt plate screw threads into the rear swivel, tighten the lower butt plate screw.



83) Insert the ferrule swivel assembly.

84) Push the ferrule swivel assembly up against the front of the stock.





85) Tighten the ferrule swivel screw.



86) Pivot the assembled rifle upper into the assembled rifle stock as shown in figure 86.



87) Insert the receiver into the stock.



88) Insert the trigger assembly into the rifle.



89) Rotate the trigger guard to the rear.





90) Lock the trigger guard in place.



91) Figure 91 shows the completed reassembly of the M1 Garand rifle.

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