Technical Manual
No. 9-1005-222-35

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D. C., *14 February 1966*

# RIFLE, CALIBER .30, M1, M1C (SNIPER'S) AND M1D (SNIPER'S)



*This manual supersedes TM 9-1005-222-35P, 20 September 1961.

# CHAPTER 1
# INTRODUCTION

## Section I. GENERAL

### 1-1. Scope

*a.* This manual is published for the information and guidance of personnel responsible for direct support, general support, and depot maintenance of the caliber .30 rifles M1, M1C (Sniper's) and M1D (Sniper's).

*b.* TM 9-1005-222-12P/2 contains a list of repair parts and special tools allocated to using organizations. FM 23-5 contains operating and lubricating instructions for the materiel.

*c.* Use DA Form 2028 for reporting errors, omissions and recommendations for improvement and forward direct to:

Commanding General
Headquarters
U.S. Army Weapons Command
ATTN: AMSWE-SMM-P
Rock Island Arsenal
Rock Island, Illinois 61201

### 1-2. Maintenance Allocation

See TM 9-1005-222-12P/2.

### 1-3. Forms, Records, and Reports

*a. Authorized Forms.* Refer to DA Pam 310-2 and TM 38-750.

*b. Reports of Accidents.*

(1) *Injury to personnel or damage to materiel.* Refer to AR 385-40.

(2) *Ammunition, accidents and malfunctions.* Refer to AR 700-1300-8.

*c. Report of Unsatisfactory Equipment or Materials.* Refer to TM 38-750.

## Section II. DESCRIPTION AND DATA

### 1-4. Description

The rifles M1, M1C (Sniper's) and M1D (Sniper's) (figs. 1-1, 1-3 and 1-5) are gas-operated, clip-fed, air-cooled, semiautomatic shoulder weapons. The rifles are designed to accommodate either bayonet-knife M5 or M5A1, the grenade launcher M7A3 and grenade launcher sight M15 and winter trigger kit (fig. 1-7). For convenience of maintenance and repair, the rifles are divided into groups and assemblies as indicated in figures 1-2, 1-4 and 1-6.

### 1-5. Tabulated Data

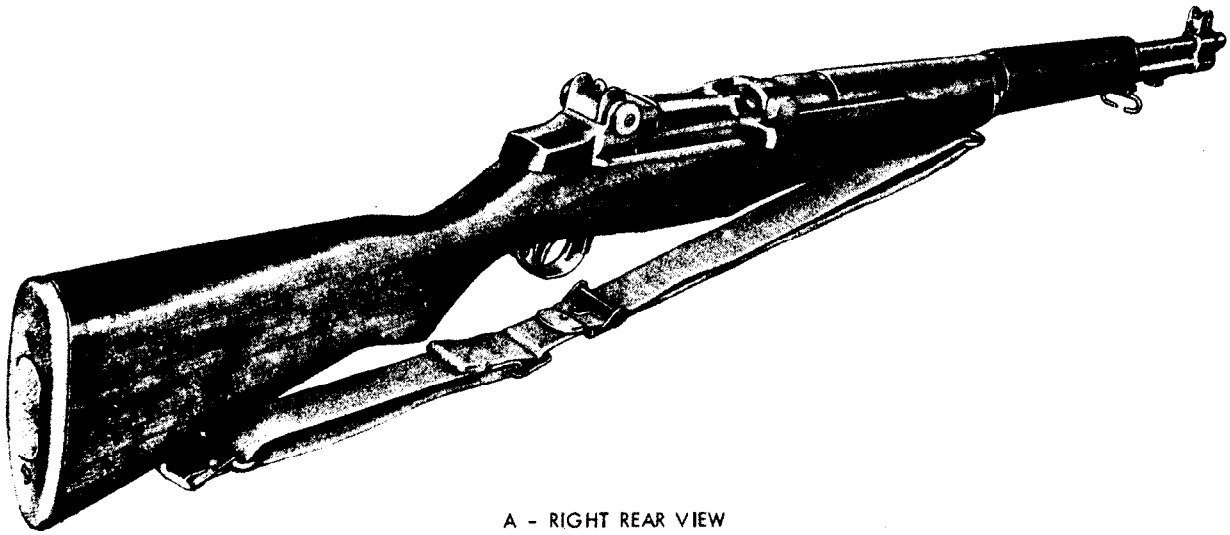
Data necessary for direct, general support, and depot maintenance are listed below.

*a. Rifle M1.*

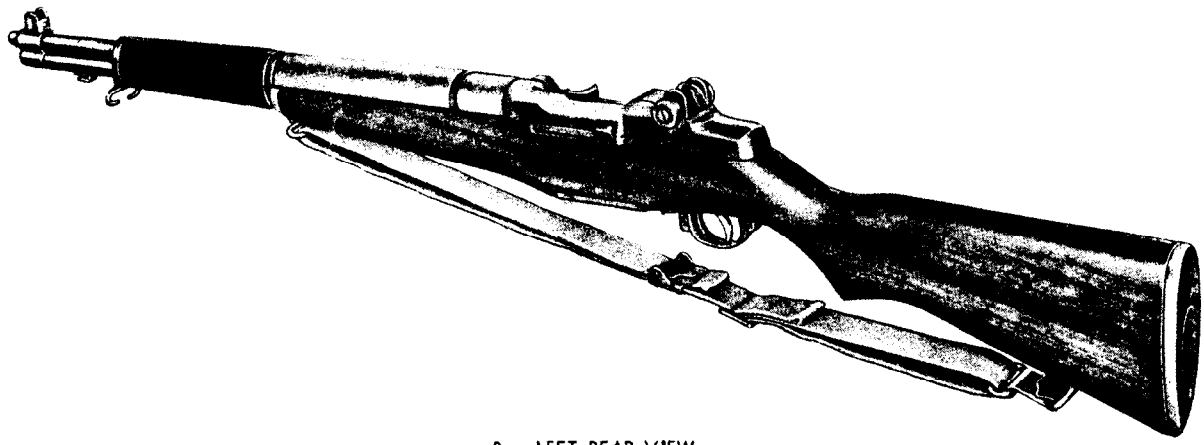
Trigger pull, maximum - - - - - - - - 7.5 lb
Trigger pull, minimum - - - - - - - - 5.5 lb

*b. Rifle M1C (Sniper's) and M1D (Sniper's).*

Trigger pull, maximum - - - - - - - - 6.5 lb
Trigger pull, minimum - - - - - - - - 4.5 lb



A - RIGHT REAR VIEW



B - LEFT REAR VIEW

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*Figure 1-1. Caliber .30 rifle M1 - left and right rear views.*

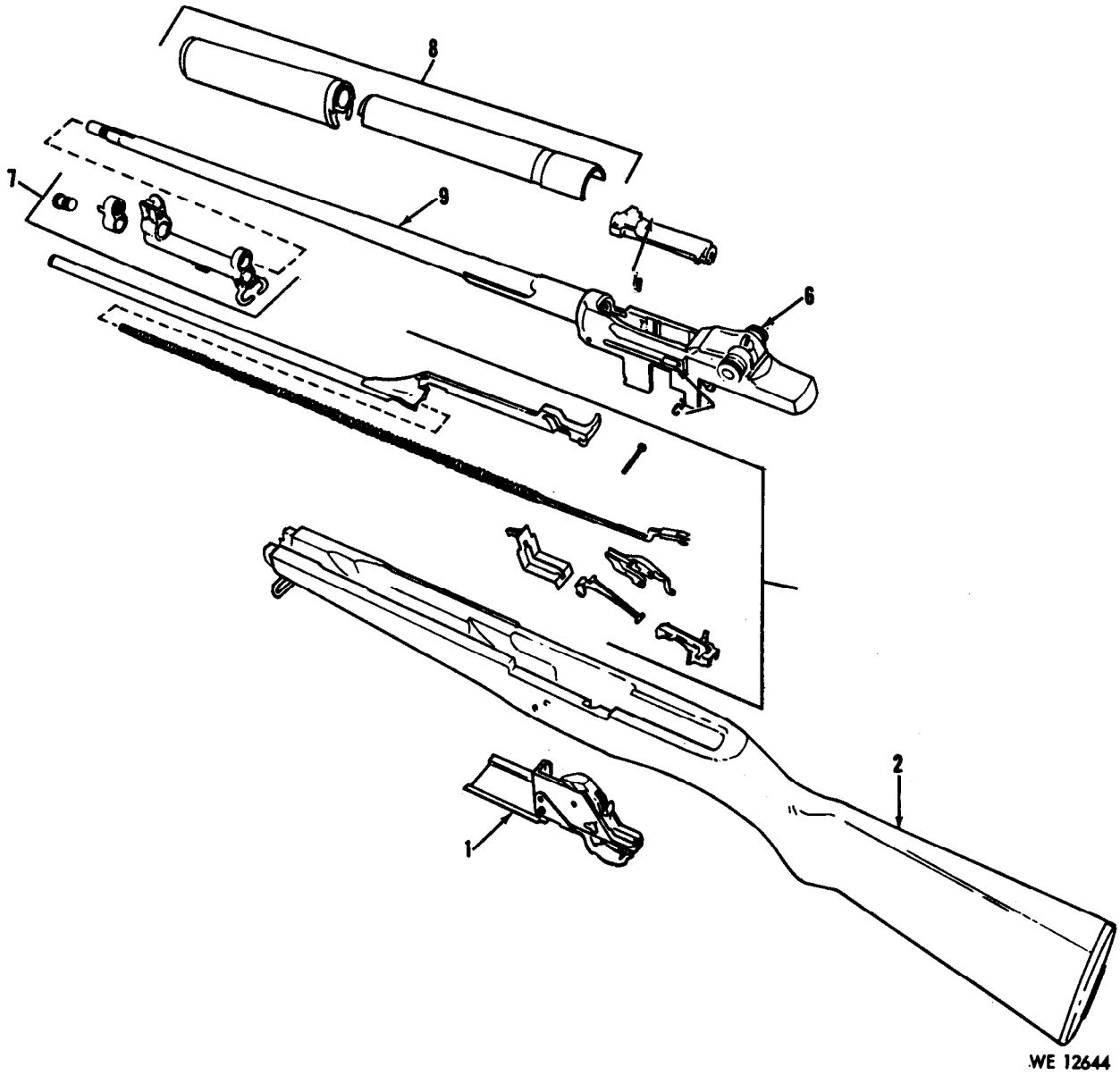
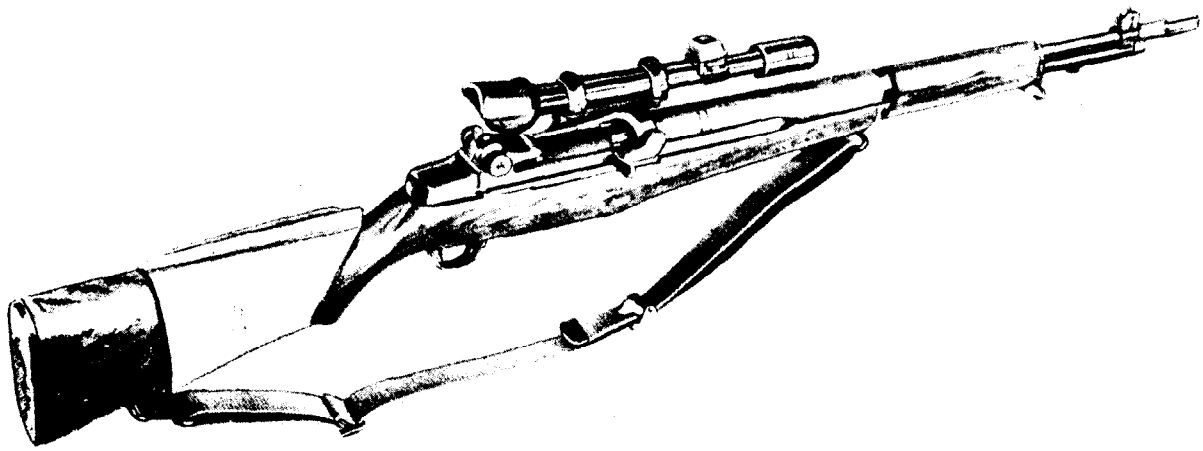
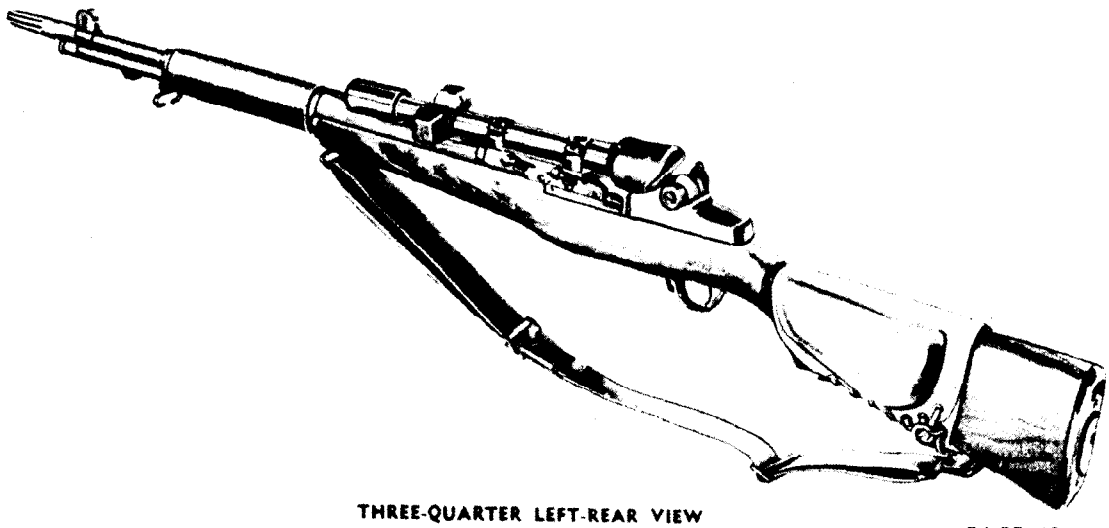



*Figure 1-2. Caliber .30 rifle M1, M1C (Sniper's) and M1D (Sniper's) - major groups and assemblies.*



THREE-QUARTER RIGHT-REAR VIEW



THREE-QUARTER LEFT-REAR VIEW

RA PD 134666

*Figure 1-3. Caliber .30 rifle M1C (Sniper's) - left and right rear views.*

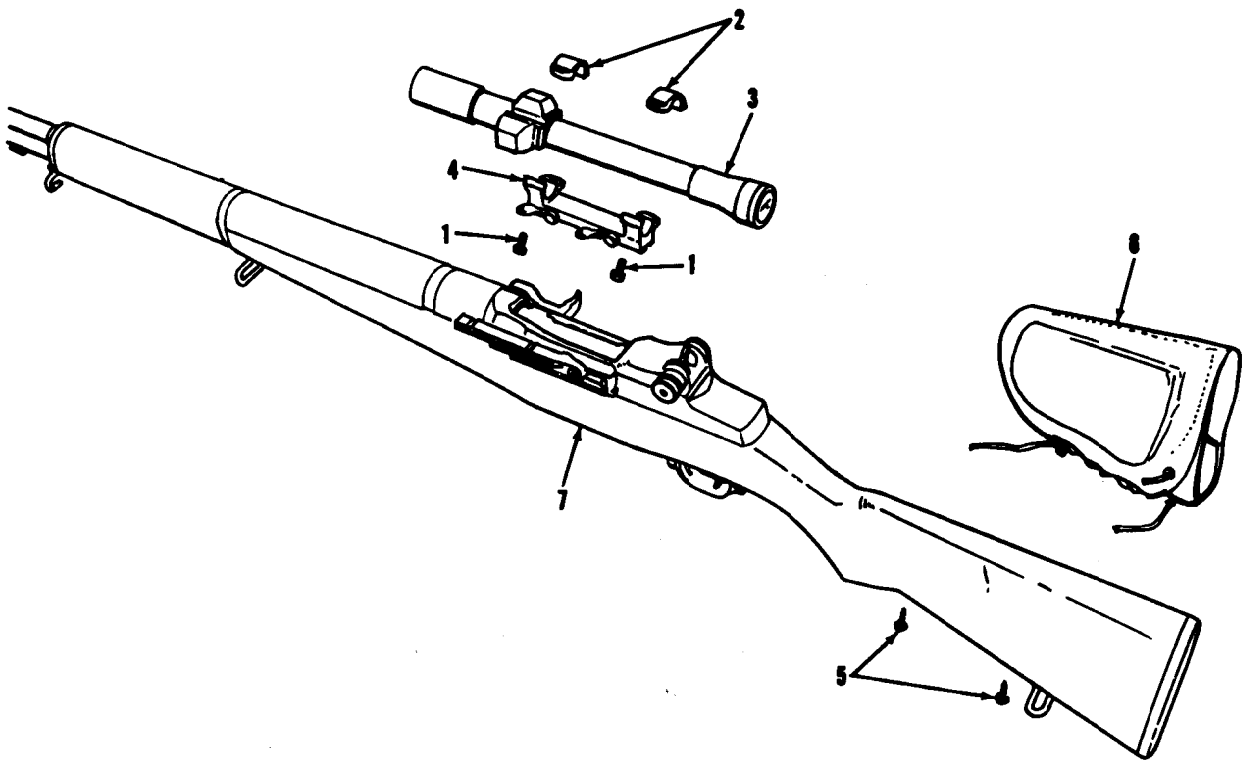



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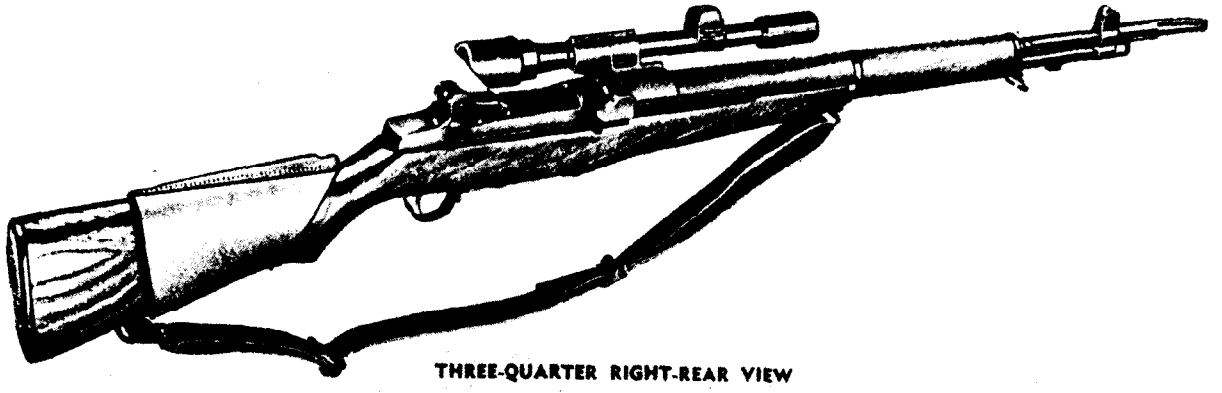
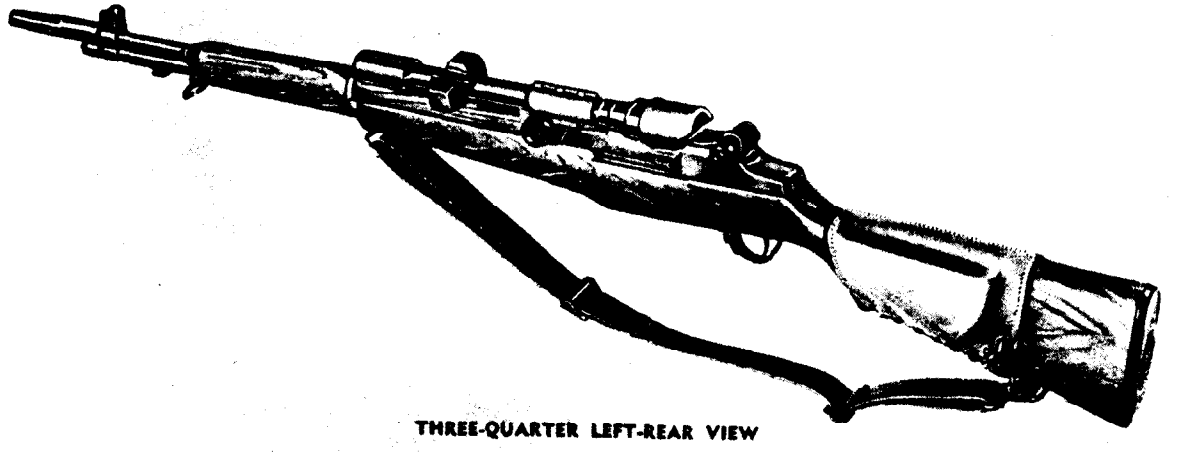
*Figure 1-4. Caliber .30 rifle M1C (Sniper's) - major groups and assemblies.*



THREE-QUARTER RIGHT-REAR VIEW



THREE-QUARTER LEFT-REAR VIEW

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*Figure 1-5. Caliber .30 rifle M1D (Sniper's) - left and right rear views.*

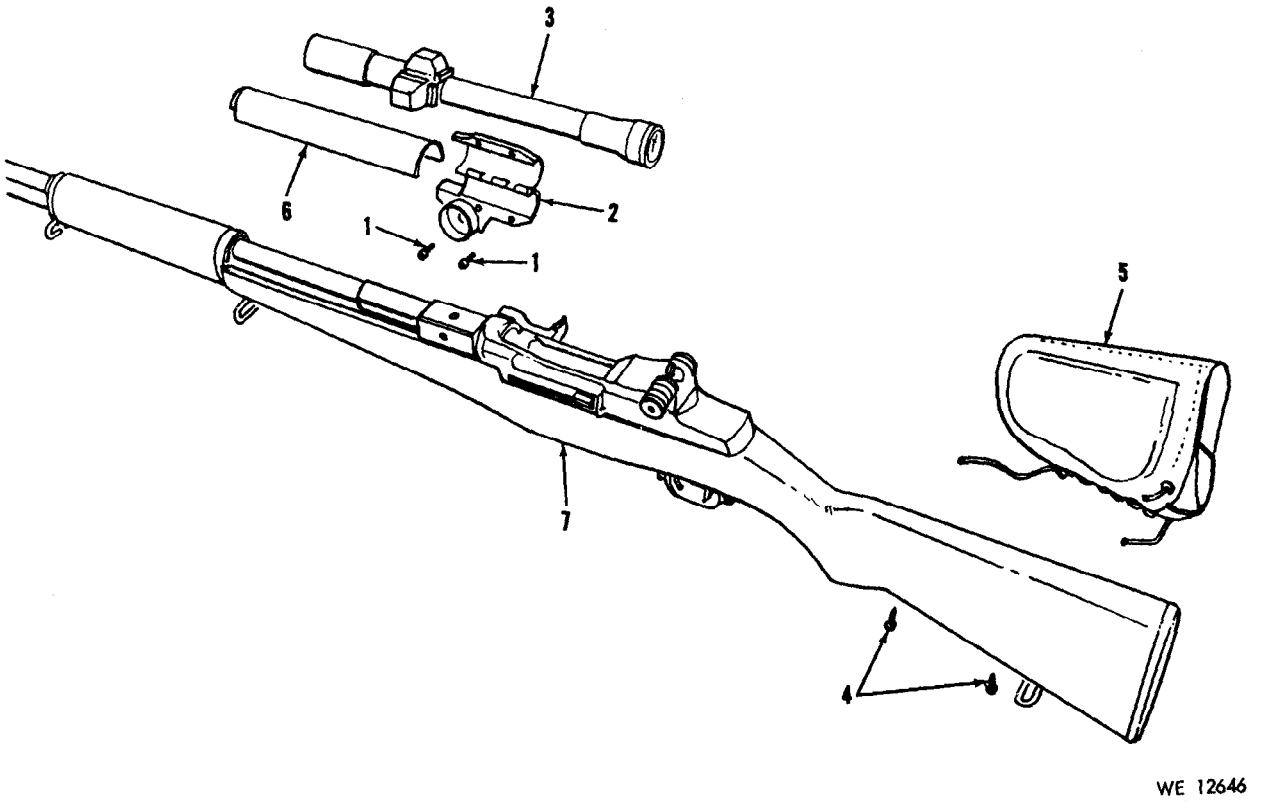



*Figure 1-6. Caliber .30 rifle M1D (Sniper's) - major groups and assemblies.*

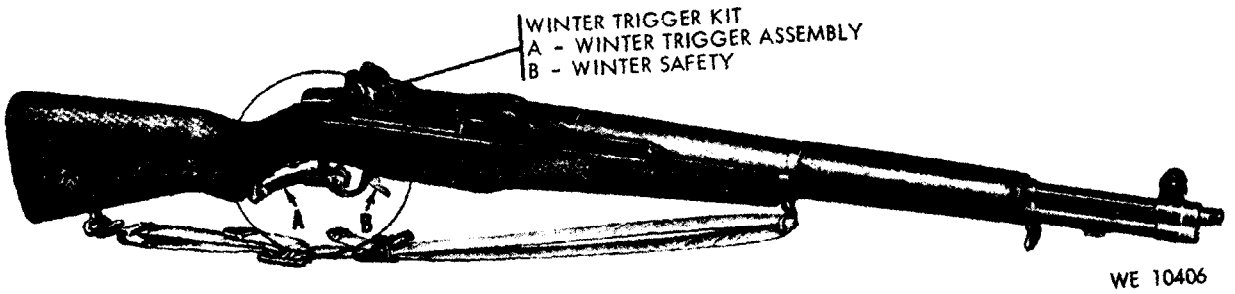



*Figure 1-7. Caliber .30 rifle M1 with winter trigger kit installed - right front view.*

# CHAPTER 2

# PARTS, SPECIAL TOOLS, AND EQUIPMENT

## 2-1. Repair Parts

Refer to appendix II.

## 2-2. Common Tools

Standard and common tools are authorized by tables of allowances and tables of organization and equipment.

## 2-3. Special Tools and Equipment

Refer to appendix II.

# CHAPTER 3
# INSPECTIONS

## 3-1. General

***Warning:*** **Before inspection, determine that the weapon is pointed in a safe direction, that live rounds or obstructions are NOT present in the bore or chamber, and that the ammunition is not in position to be loaded. Do not pull the trigger until the weapon has been cleared.**

Make an overall inspection of the weapons for appearance, condition, and operation. Manually function, using dummy cartridges.

## 3-2. Inspection of Materiel in the Hands of Troops in the Field

*a. General.* Refer to AR 750-8.

*b. Specific.*

(1) Inspect parts for wear that would impair functioning of weapons.

(2) Check to be certain that all cleaning and preservative materials, authorized by pertinent manuals, are available.

## 3-3. Inspection of Materiel to Accompany Troops Overseas

*a. General.* This inspection is conducted on materiel in alerted units scheduled for oversea duty to insure that such materiel will not become unserviceable or worn out in a relatively short time. It prescribes a higher percentage of remaining usable life in serviceable materiel to meet a specific need beyond minimum serviceability.

*b. Specific.* Refer to table 3-1 for serviceability standards.

*Table 3-1. Serviceability Standards for Rifle, Caliber .30, M1, M1C (Sniper's) and M1D (Sniper's)*

| Item | In the hands of troops | To accompany troops oversea |
|---|---|---|
| Headspace (fig. 5-35) | GAGE, HEADSPACE 7319954<br>Maximum 1.950<br>BOLT, FIELD TEST 6046302 | GAGE, HEADSPACE 7319954<br>Maximum 1.950<br>BOLT, FIELD TEST 6046302. |
| Breech bore (fig. 5-31) | GAGE, BREECH BORE 5564343<br>Maximum 0.310 | GAGE, BREECH BORE 5564343.<br>Maximum 0.306 |
| Gas cylinder diameter (fig. 5-23). | GAGE, PLUG, GAS CYLINDER DIAMETER 7319919.<br>Shoulder of gage must be flush or above | GAGE, PLUG, GAS CYLINDER DIAMETER 7319919.<br>Shoulder of gage must be flush or above. |
| Barrel diameter (fig. 5-32) | GAGE, RING, PLAIN, No-go 7319918<br>Minimum 0.5991 | GAGE, RING, PLAIN, No-go 7319918.<br>Minimum 0.5991 |
| Piston diameter (fig. 5-14) | GAGE, SNAP, PLAIN, ADJUSTABLE 7319911.<br>Minimum 0.525 | GAGE, SNAP, PLAIN, ADJUSTABLE 7319911.<br>Minimum 0.525 |
| Firing pin protrusion (fig. 5-17). | GAGE, FIRING PIN PROTRUSION 7274736.<br>Minimum 0.044<br>Maximum 0.060 | GAGE, FIRING PIN PROTRUSION 7274736.<br>Minimum 0.044<br>Maximum 0.060 |
| Timing (fig. 5-36) | GAGE, TIMING 7319920<br>Bolt must release when bottom notch in gage is flush or below. | GAGE, TIMING 7319920.<br>Bolt must release when bottom notch in gage is flush or below. |
| Trigger pull (fig. 5-5) | FIXTURE, MEASURING, TRIGGER PULL 7274758.<br>*M1*<br>Minimum 5.5 lbs<br>Maximum 7.5 lbs<br>*M1C—M1D*<br>Minimum 4.5 lbs<br>Maximum 6.5 lbs | FIXTURE, MEASURING, TRIGGER PULL 7274758.<br>*M1*<br>Minimum 5.5 lbs.<br>Maximum 7.5 lbs.<br>*M1C—M1D*<br>Minimum 4.5 lbs.<br>Maximum 6.5 lbs. |
| Firing pin cam location (fig. 5-34). | GAGE, RECEIVER 7799709<br>Plug positioned flush or below | GAGE, RECEIVER 7799709.<br>Plug positioned flush or below. |

# CHAPTER 4
# TROUBLESHOOTING AND GENERAL MAINTENANCE

## 4–1. Troubleshooting

Refer to table 4–1.

*Table 4–1. Troubleshooting*

| Malfunction | Probable cause | Corrective action |
|---|---|---|
| | RIFLE M1, M1C (Sniper's) AND M1D (Sniper's) | |
| Cartridge clip inserts with difficulty. | Deformed clip | Replace. |
| | Broken ejector | Replace. |
| | Interference between bullet guide and follower arm. | Replace bullet guide. |
| Short recoil | Undersized or out of round operating rod piston. | Replace operating rod assembly. |
| | Oversized gas cylinder | Replace. |
| | Undersized barrel at gas port | Turn-in weapon for replacement. |
| | Carbon in gas cylinder | Clean. |
| | Carbon or foreign matter in gas port of barrel. | Clean. |
| | Operating rod assembly binding | Replace operating rod assembly if damaged, or relieve wood from gun stock assembly, where operating rod binds on wood. |
| | Leak in gas cylinder lock screw with valve | Replace gas cylinder lock screw with valve. |
| | Defective helical spring (operating rod) | Replace helical spring (operating rod). |
| | Bolt binding | Remove burs from bolt. |
| | Distorted or damaged receiver | Repair or turn in for replacement. |
| Bolt fails to close tightly | Extractor does not open enough to pass over rim of cartridge. | Clean bolt assembly. |
| | Operating rod assembly binding | Replace operating rod or relieve wood from stock assembly where operating rod binds on wood. |
| | Weak or broken helical spring (operating rod). | Replace helical spring (operating rod). |
| | Rust or dirt in chamber | Clean barrel chamber. |
| | Damaged cartridge, or frozen ejector | Repair or replace ejector. |
| | Damaged or deformed bolt and/or receiver | Replace bolt or turn in weapon for replacement. |
| | Insufficient headspace | Replace bolt assembly by selective fit or turn in weapon for replacement. |
| Bolt does not release when clip is latched. | Insufficient radii on operating rod catch or operating rod hooks. | Repair or replace operating rod catch or operating rod assembly. |
| | Bullet guide low at accelerator bearing point | Replace. |
| Bolt released before clip is latched. | Worn or broken clip latch | Replace. |
| | Worn or broken helical spring (latch) | Replace helical spring (latch). |

*Table 4-1. Troubleshooting—Continued*

| Malfunction | Probable cause | Corrective action |
|---|---|---|
| | Excessive radii on operating rod catch or operating rod assembly. | Replace operating rod catch or operating rod assembly. |
| | Bullet guide high at accelerator bearing point. | Replace. |
| Bolt fails to be held rearward after firing last round of clip and clip held inside of rifle jammed by bolt. | Bolt does not move sufficiently rearward. | See short recoil. |
| | Binding latch | Replace latch. |
| | Arm or operating rod catch bent or deformed. | Replace operating rod assembly. |
| Failure to eject cartridge case | Low power, causing short recoil | Correct short recoil malfunctions. |
| | Weak, missing, or frozen helical spring (ejector). | Replace helical spring (ejector). |
| | Ejector binds | Clean bolt ejector opening or remove burs from ejector. |
| | Short recoil | Clean gas port. Replace operating rod assembly or helical spring. |
| Failure to eject cartridge clip | Clip ejector worn, weak, or broken. | Replace. |
| | Operating rod catch deformed or broken. | Replace catch. |
| Failure of bolt to open after firing | Plugged gas port | Clean. |
| | Loose gas cylinder | Replace gas cylinder. |
| | Barrel undersize at gas port area | Turn in weapon for replacement. |
| | Gas cylinder lock screw with valve fails to close. | Replace. |
| Failure to fire | Light indent on primer | Replace helical spring (hammer). |
| | Inadequate firing pin protrusion | Replace. |
| | Hammer spring housing damaged | Replace. |
| Pressure on trigger does not release hammer. | Deformed trigger, pin, or hammer. | Replace defective trigger, pin or hammer. |
| One or more live cartridges ejected with clip. | Operating rod assembly releases too soon when clip is inserted. | Replace operating rod catch and bullet guide. |
| Operating rod assembly disengages from bolt while firing. | Worn operating rod lug or kinked helical spring (operating rod assembly). | Replace operating rod assembly or helical spring. |

## 4-2. Special Repair Methods

*a.* Parts or assemblies that connot be repaired or reclaimed will be replaced. Non-repairable assemblies may be disassembled and the serviceable parts returned to stock.

*b.* If a required new part is not available, a reconditioned used part may be substituted. Such reconditioned used parts should be examined carefully to determine their suitability.

## 4-3. Cleaning

Refer to TM 9-247, TM 9-208-1 and TM 9-208-2.

# CHAPTER 5
# MAINTENANCE OF RIFLES

## Section I. MAINTENANCE

*Note.* White arrows shown on illustrations indicate removal, black arrows indicate installation.

### 5-1. Maintenance Procedures

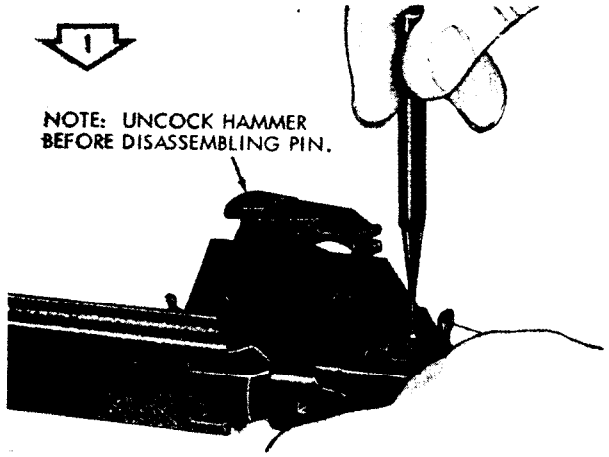
Refer to table 5-1.

*Table 5-1. Maintenance of Rifles*

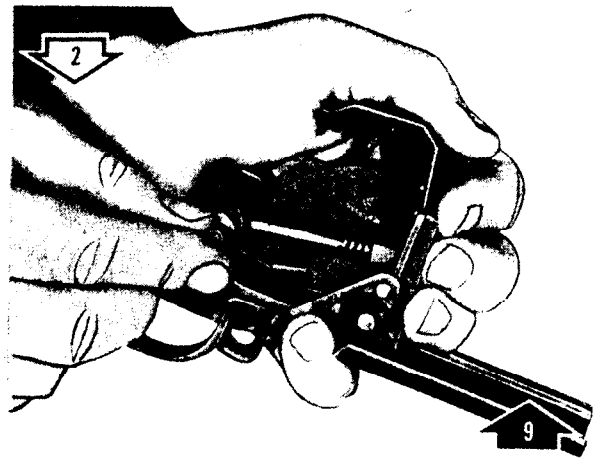
| Major Item, Groups and Assemblies | Removal/ Installation | Disassembly/ Assembly | Inspect | Replace | Repair |
|---|---|---|---|---|---|
| Rifle, cal. .30 M1 | | Fig. 1-2. | Figs. 5-5, 5-35, 5-36. | | Fig. 5-30. |
| Rifle, cal. .30 M1C(Sniper's) | | Fig. 1-4. | Figs. 5-5, 5-35, 5-36. | Fig. 1-4 except items 1, 2, 4 and 7. | Fig. 5-30. |
| Rifle, cal. .30 M1D(Sniper's) | | Fig. 1-6. | Figs. 5-5, 5-35, 5-36. | Fig. 1-6 except item 7. | Fig. 5-30. |
| Trigger housing assembly | | Figs. 5-1 and 5-2. | Fig. 5-3. | Fig. 5-48 except item 11. | Fig. 5-4. |
| Stock assembly | | Fig. 5-6. | Fig. 5-7. | Fig. 5-49 except items 1, 1D (1, thru 5) and 1E(4). | Figs. 5-9, 5-10, 5-42 and TB ORD 507. |
| Follower group | | Fig. 5-11 and 5-12. | Figs. 5-13 and 5-14. | Fig. 5-50 except items 7, 9, and 10. | |
| Bolt assembly | | Fig. 5-15 | Figs. 5-16 and 5-17. | Fig. 5-51. | |
| Latch group | | Fig. 5-18. | | Fig. 5-52. | |
| Rear sight group | | Fig. 5-19. | Fig. 5-16. | Fig. 5-53. | |
| Gas cylinder group | | Figs. 5-20 and 5-21. | Figs. 5-22 and 5-23. | Fig. 5-54. | |
| Gun hand guard group | | Figs. 5-24 and 5-25. | Fig. 5-26. | Fig. 5-49. | Fig. 5-27. |
| Barrel and receiver groups | | Fig. 5-28. | Figs. 5-29, 5-31, 5-32, 5-33, 5-34, and TB 9-4933-202-30. | | |
| Telescope mount assembly for rifle M1C (Sniper's) | | Fig. 5-37. | | Fig. 5-55 except items 2, 2A thru 2E, 3 and 4. | |
| Mounting bracket assembly for rifle M1D (Snipers) | | Fig. 5-38. | | Fig. 5-56. | |
| Cheek pad for rifles M1C, M1D(Sniper's) | | Fig. 5-39. | | Fig. 5-57. | |
| Grenade launcher M7A3 | | Fig. 5-40. | | Retaining spring (fig. 5-40). | *Note.* Refer to TM 9-1005-234-14P for repair parts of |

*Table 5-1. Maintenance of Rifles—Continued*

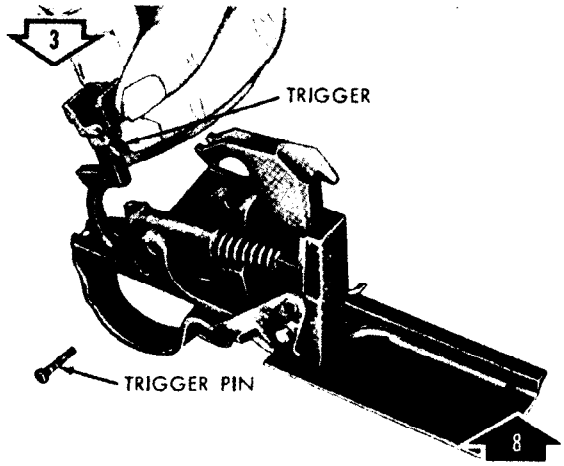
| Major Item, Groups and Assemblies | Removal/ Installation | Disassembly/ Assembly | Inspect | Replace | Repair |
|---|---|---|---|---|---|
| Grenade launcher sight, M15 | Figs. 5-41. | Fig. 5-43. | | Fig. 5-43 except items 4, 7. | M7A3 launcher and M15 sight. |
| Bayonet-knife M5 | | Fig. 5-44. | | Fig. 5-44 except Blade Assembly. (7266555). | *Note.* Refer to TM 9-1005-237-15P for repair parts of M5, M5A1 bayonet-knives. |
| Bayonet-knife M5A1 | | Fig. 5-45. | | Fig. 5-45 except Blade Assembly. | |
| Winter trigger kit | Fig. 5-8. | Fig. B-1. | | Fig. B-1 except item 1C. | |
| Scabbard-bayonet knife M8A1 | | | Fig. 5-46. | | |
| Sling M1 | | | Fig. 5-47. | | |



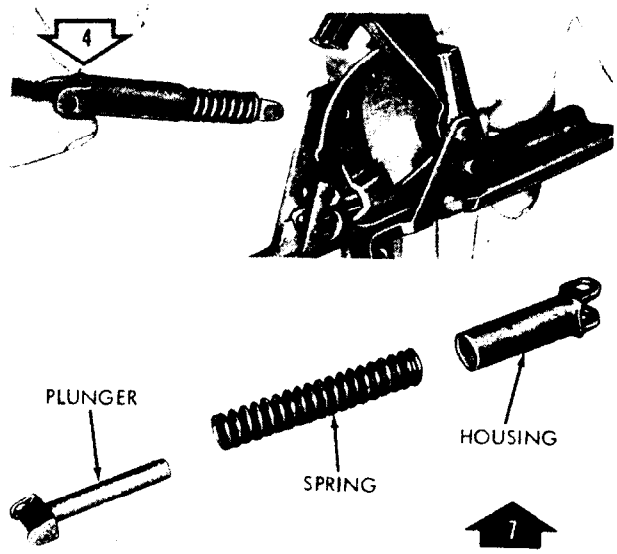

UNSEAT TRIGGER PIN.



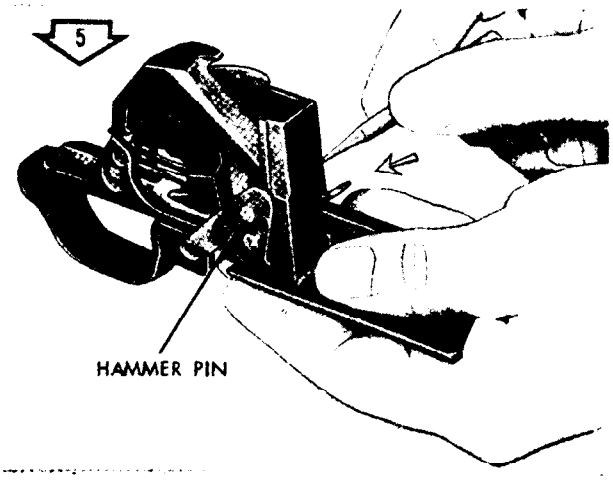

DISASSEMBLE/ASSEMBLE TRIGGER PIN.



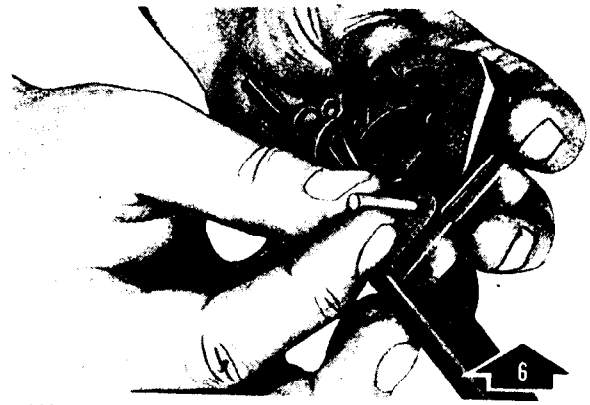

DISASSEMBLE/ASSEMBLE TRIGGER




DISASSEMBLE/ASSEMBLE HAMMER SPRING HOUSING, HAMMER HELICAL COMPRESSION SPRING AND HAMMER SPRING PLUNGER.




DISASSEMBLE STRAIGHT HEADED HAMMER PIN.




ASSEMBLE STRAIGHT HEADED HAMMER PIN.

WE 10525

*Figure 5-1. Disassembly/assembly of trigger housing assembly. (1 of 2)*

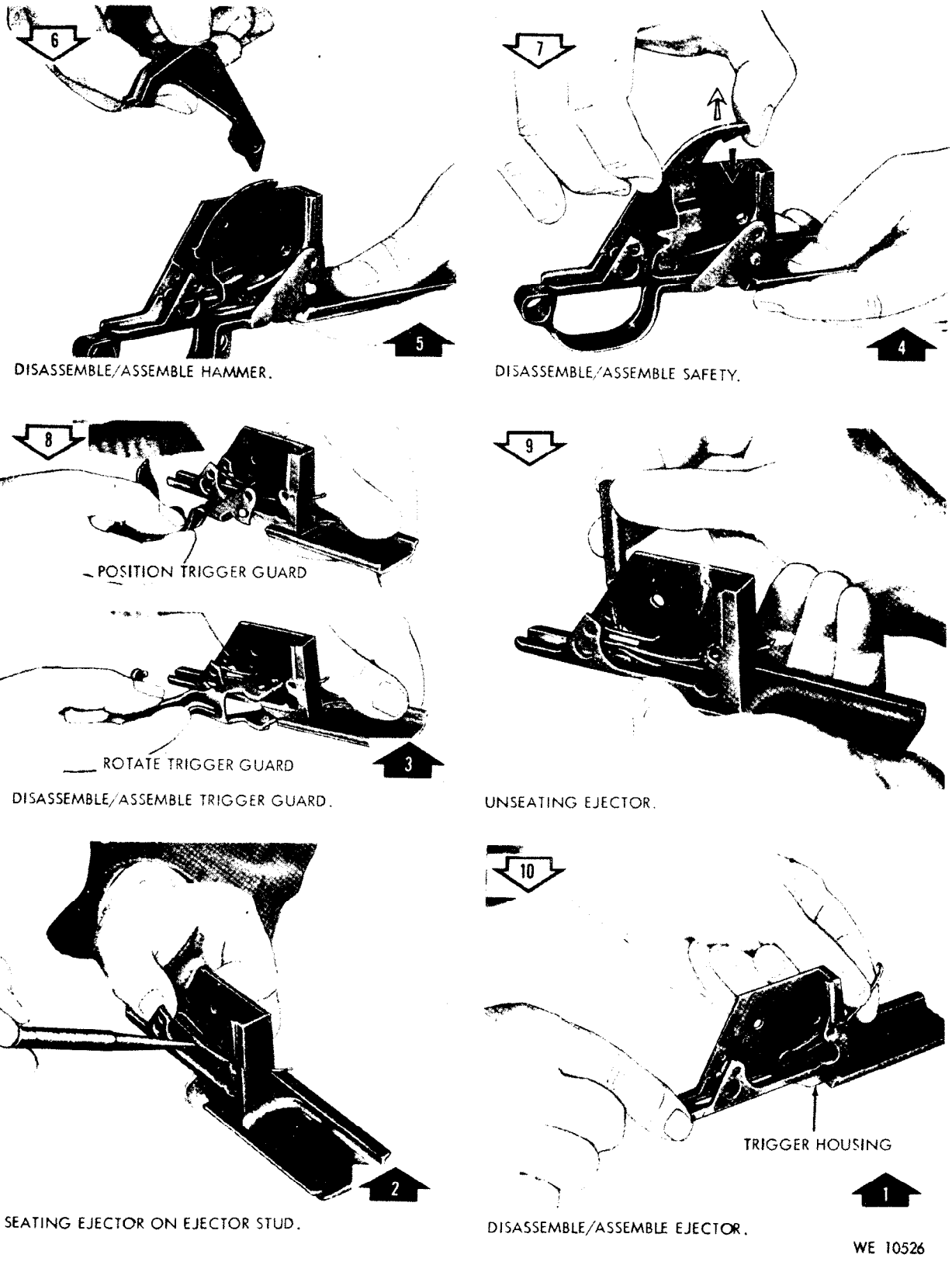



*Figure 5-2. Disassembly/assembly of trigger housing assembly. (2 of 2)*

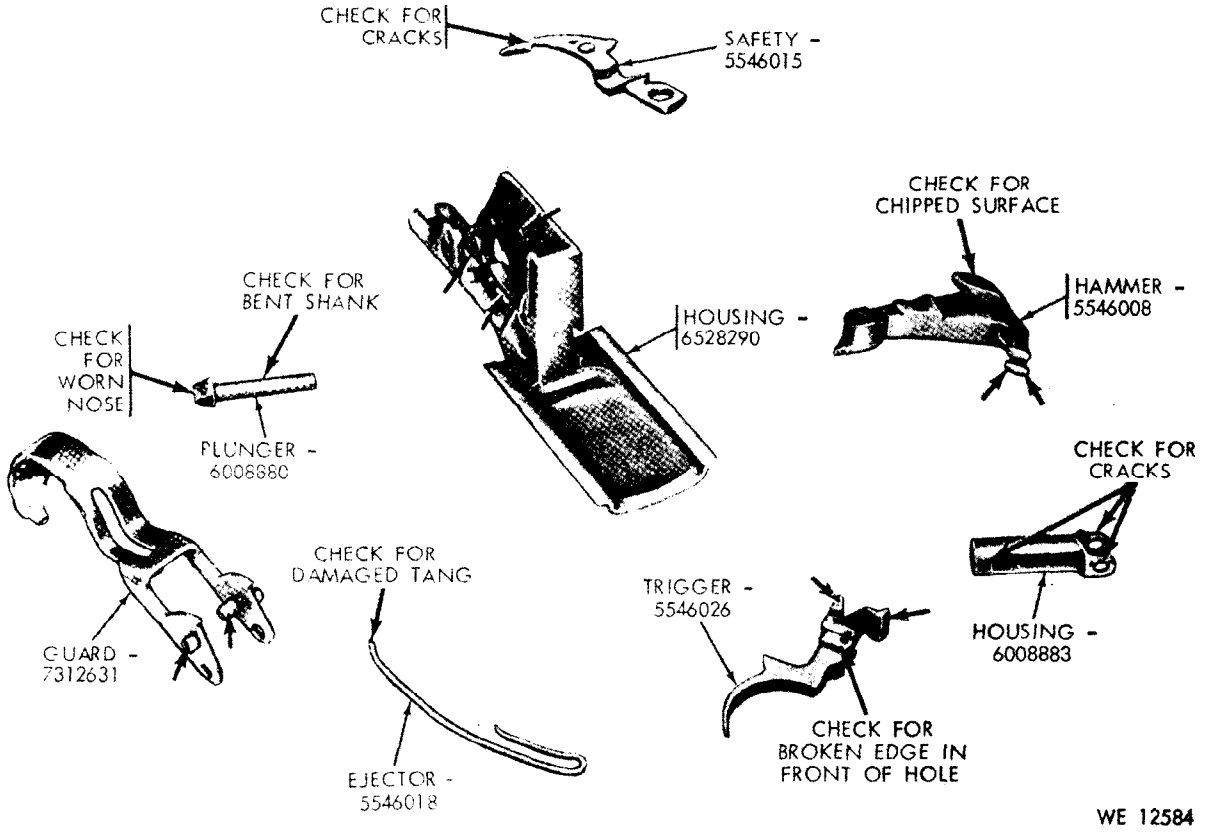



*Figure 5-3. Inspection points of component parts of trigger housing assembly.*

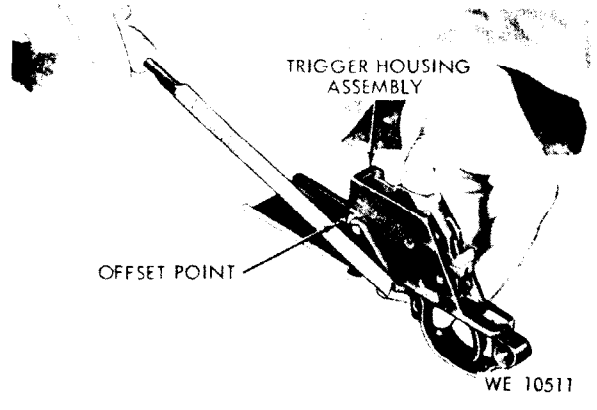



*Figure 5-4. Filing offset point of ejector.*

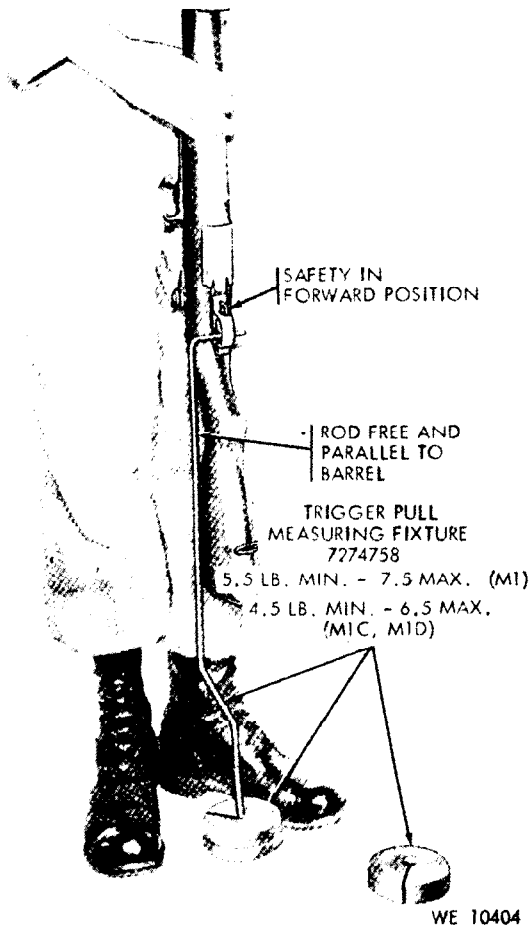
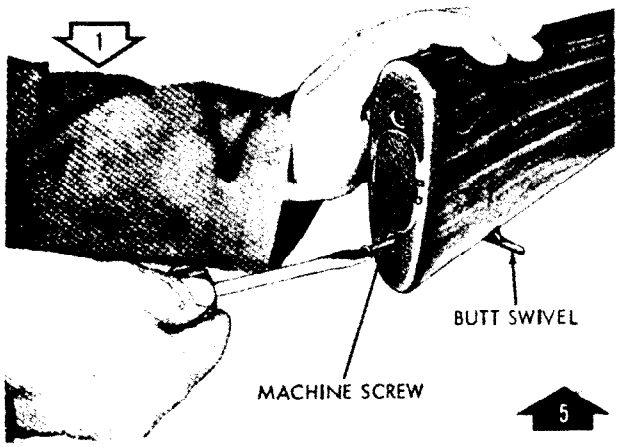
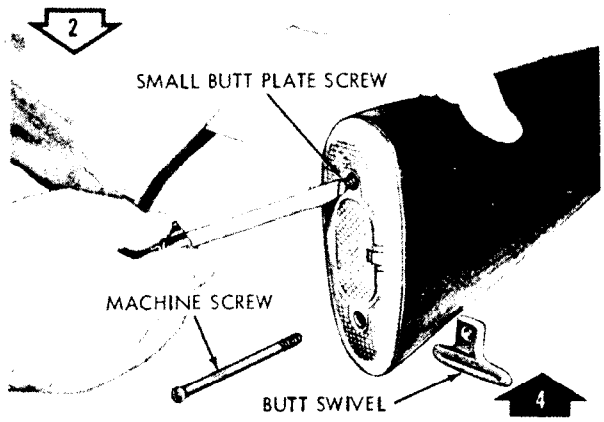


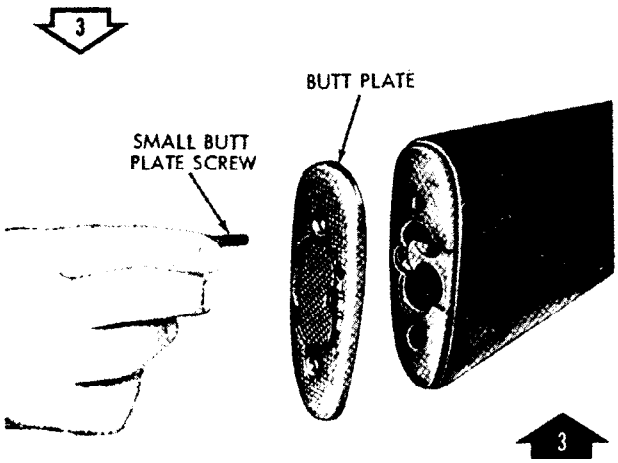

*Figure 5-5. Trigger pull test.*



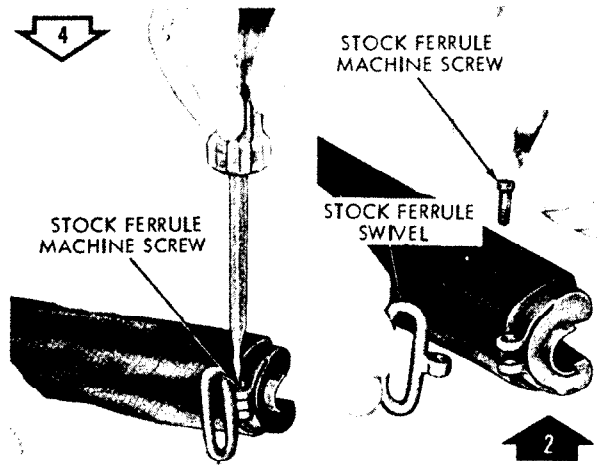

DISASSEMBLE/ASSEMBLE MACHINE SCREW AND BUTT SWIVEL.



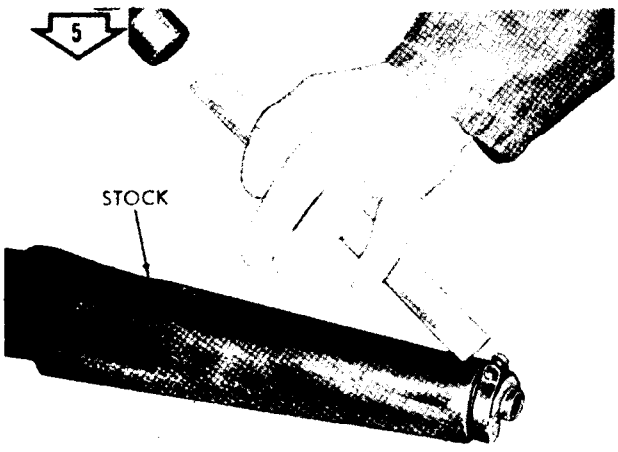

DISASSEMBLE/ASSEMBLE SMALL BUTT PLATE SCREW.



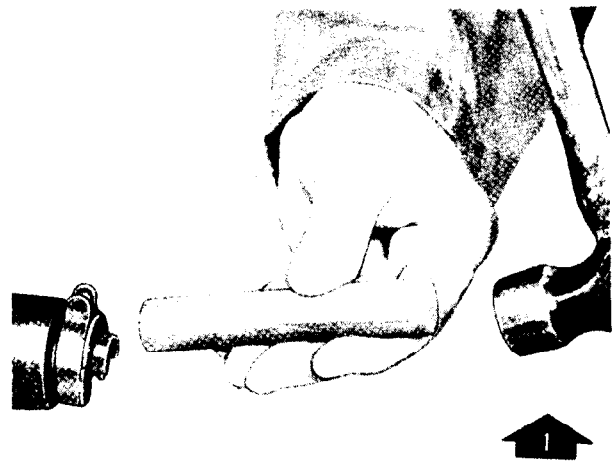

DISASSEMBLE/ASSEMBLE BUTT PLATE.




DISASSEMBLE/ASSEMBLE STOCK FERRULE MACHINE SCREW AND STOCK FERRULE SWIVEL.




DISASSEMBLE STOCK FERRULE.




ASSEMBLE STOCK FERRULE.

WE 10434

*Figure 5-6. Disassembly/assembly of stock assembly.*

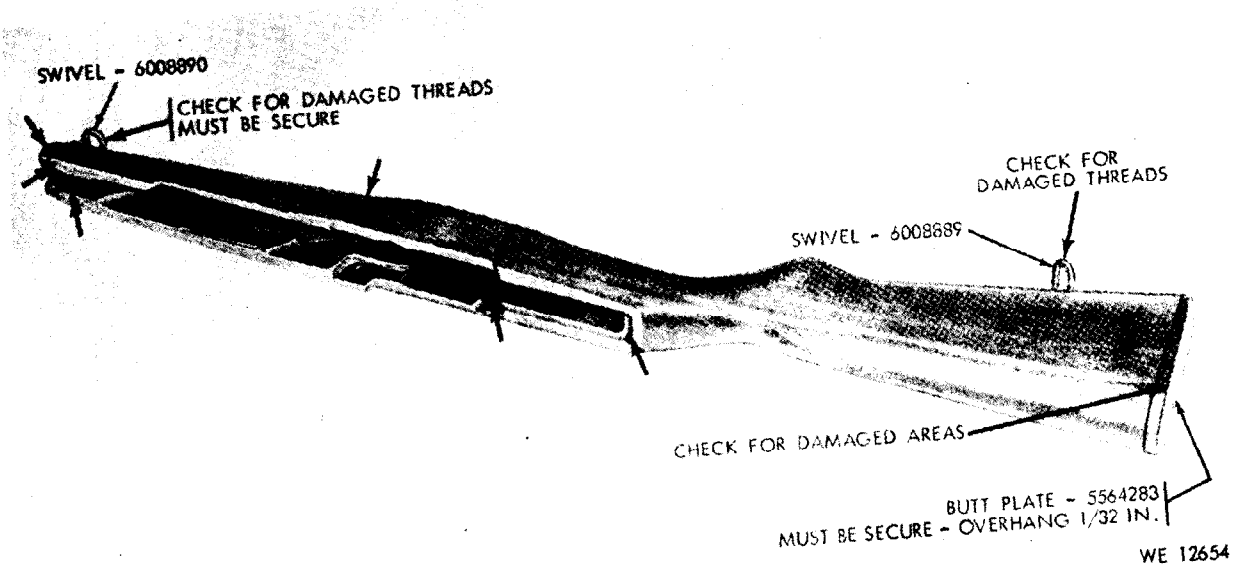
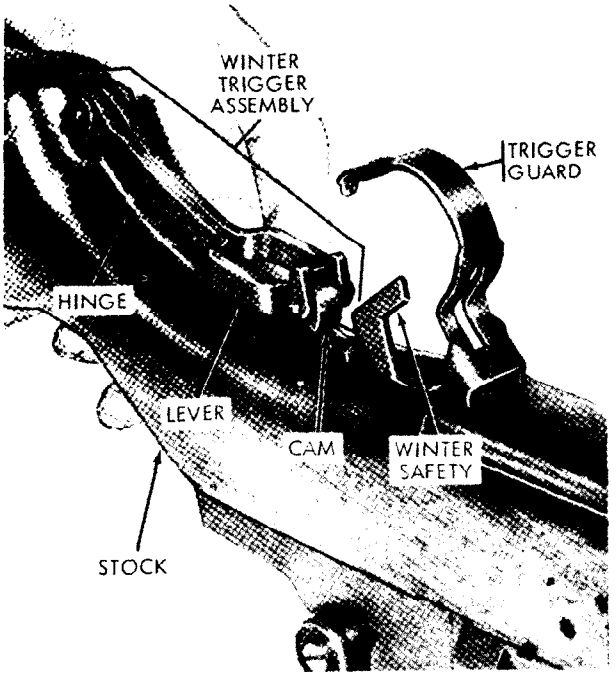
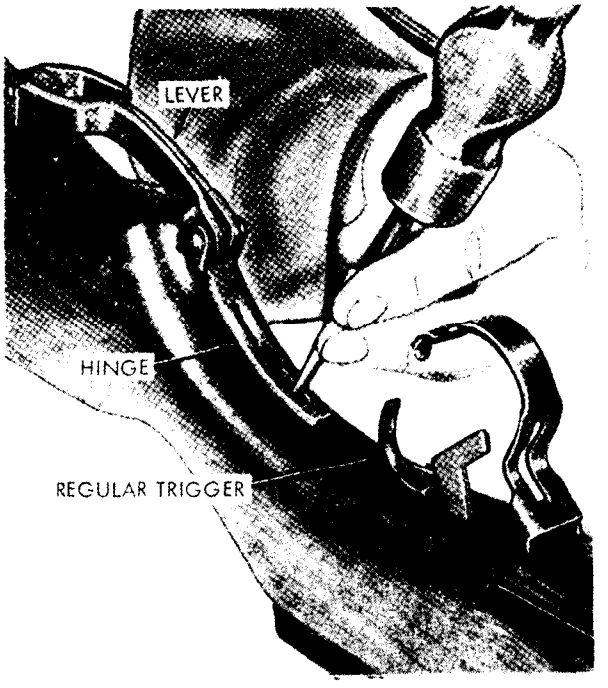


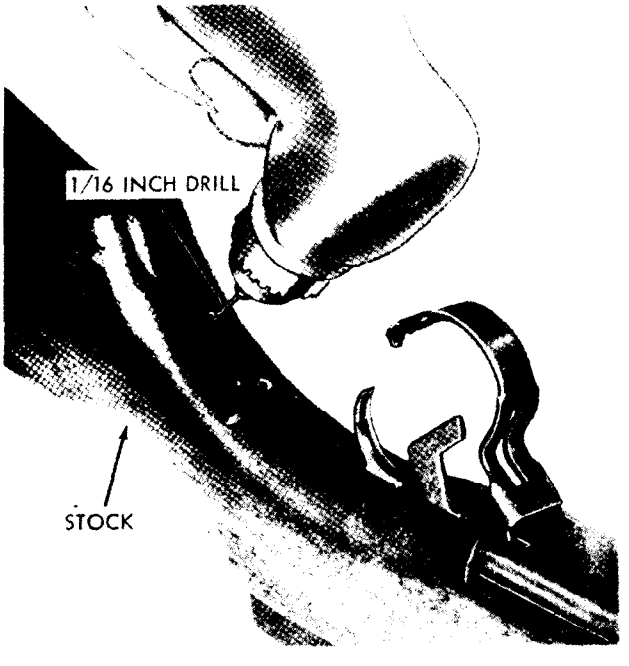

*Figure 5-7. Inspection points of component parts of stock assembly.*



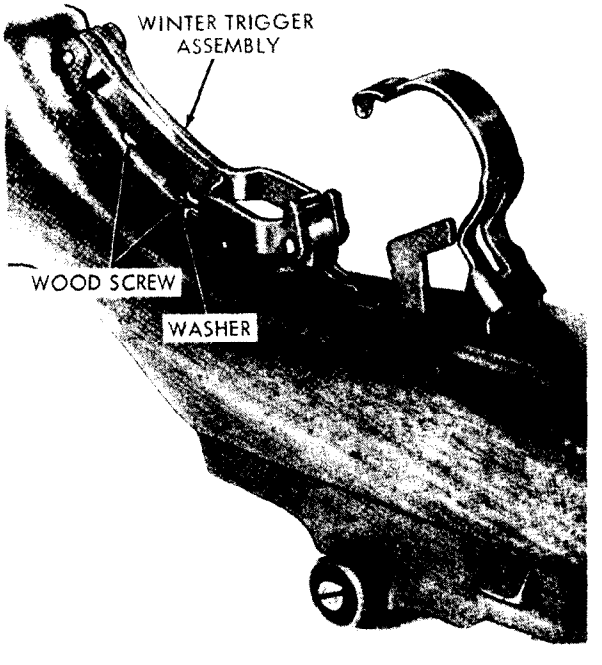

A - POSITIONING WINTER TRIGGER ASSEMBLY ON STOCK ASSEMBLY.




B - MARKING LOCATION FOR DRILLING HOLES.




C - DRILLING HOLES IN STOCK ASSEMBLY.




D - WINTER TRIGGER ASSEMBLY INSTALLED.

WE 10433

*Figure 5-8. Procedures for installing winter trigger kit on stock assembly.*

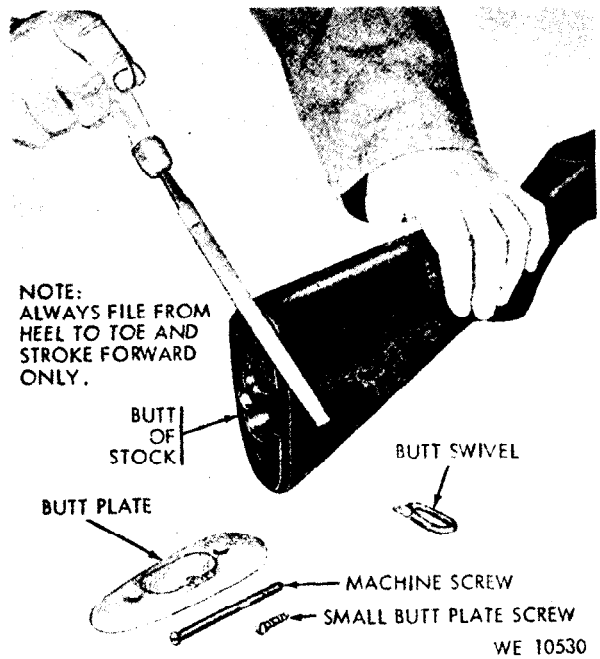



*Figure 5-9. Fitting butt plate on stock assembly.*

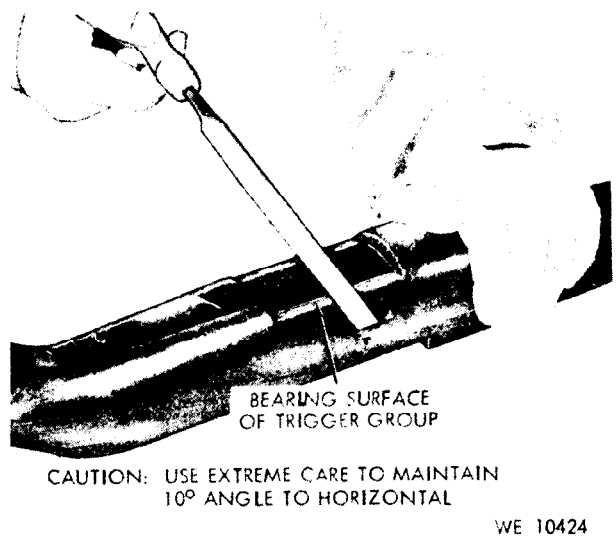
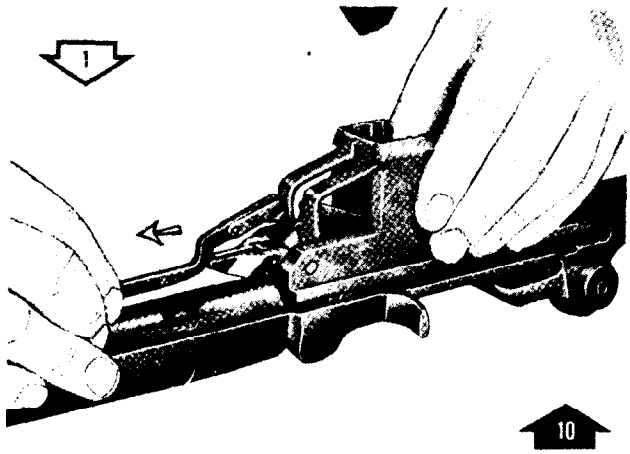
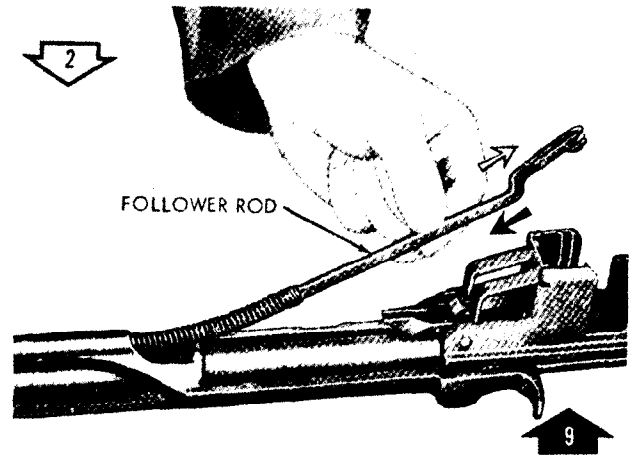
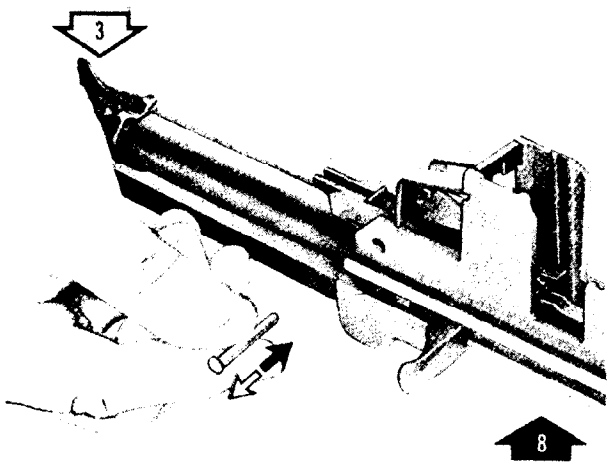



*Figure 5-10. Correcting swelling in stock assembly.*

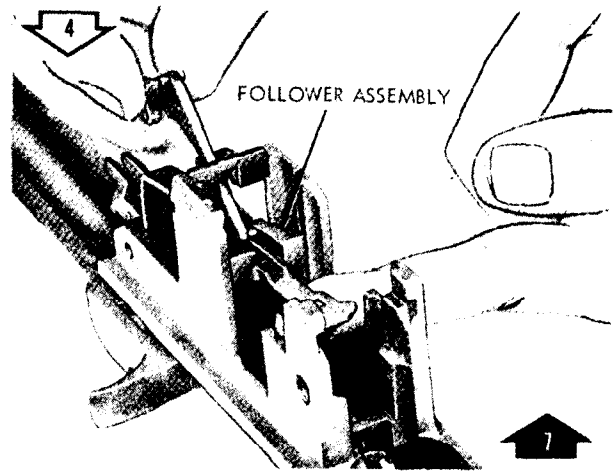


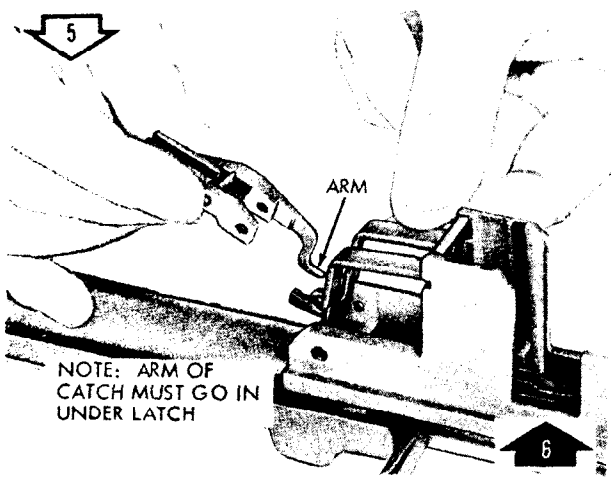

DISASSEMBLE/ASSEMBLE FOLLOWER ROD AND OPERATING ROD SPRING.



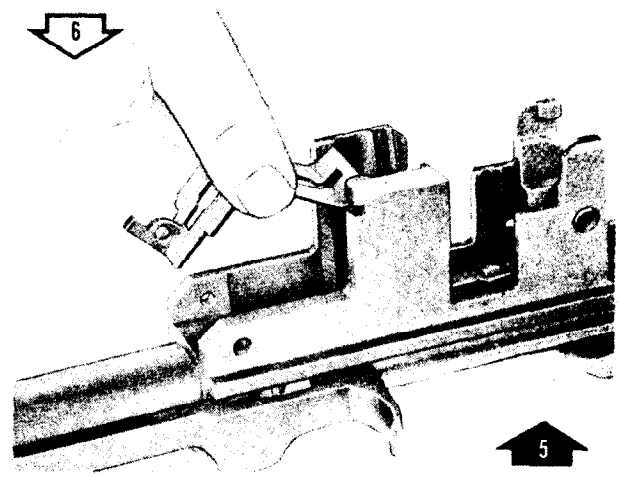

DISASSEMBLE/ASSEMBLE SHOULDER HEADED PIN.




DISASSEMBLE/ASSEMBLE FOLLOWER ARM.




DISASSEMBLE/ASSEMBLE OPERATING ROD CATCH.




DISASSEMBLE/ASSEMBLE BULLET GUIDE.

WE 10524

*Figure 5-11. Disassembly/assembly of follower group. (1 of 2)*

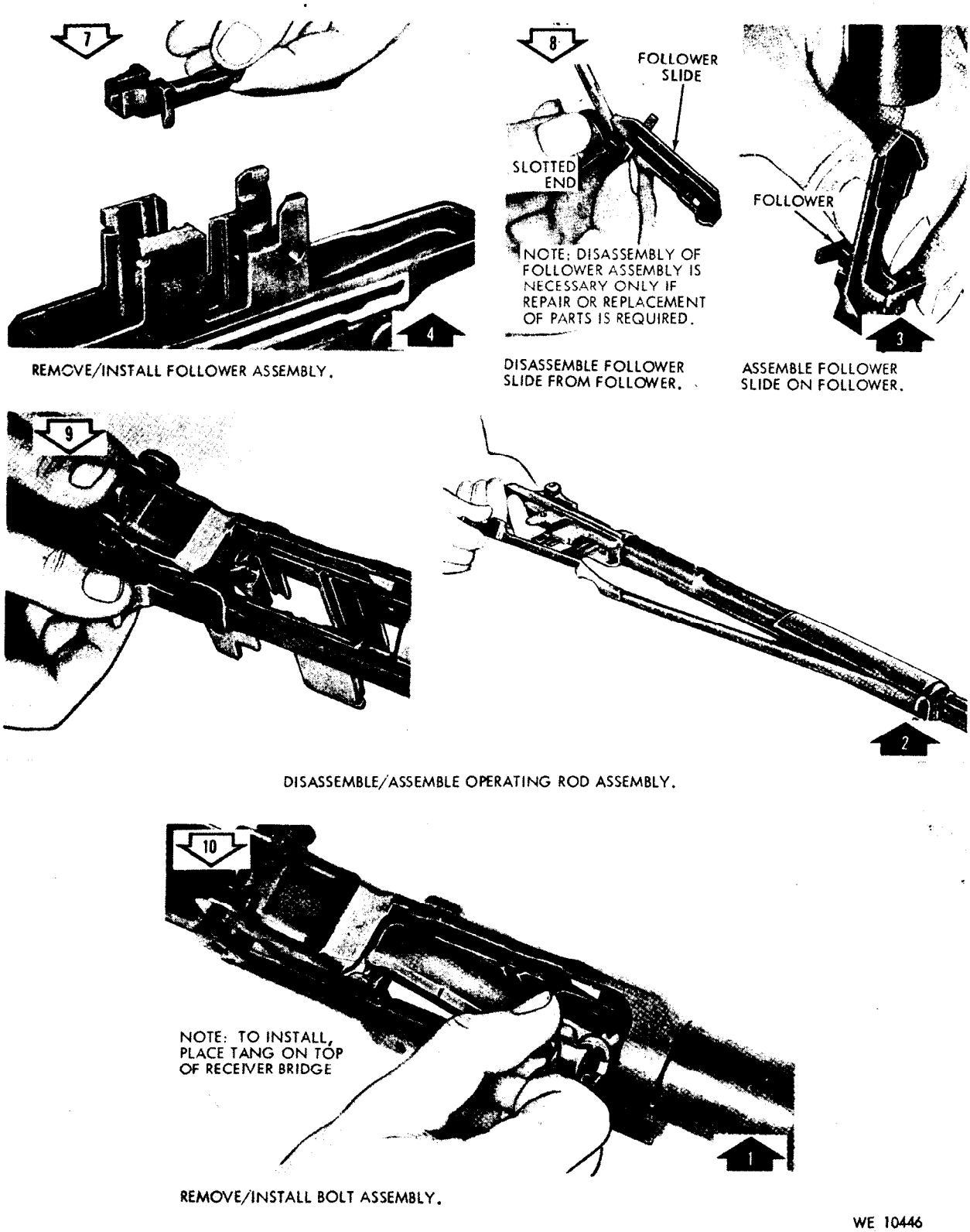



*Figure 5-12. Disassembly/assembly of follower group. (2 of 2)*

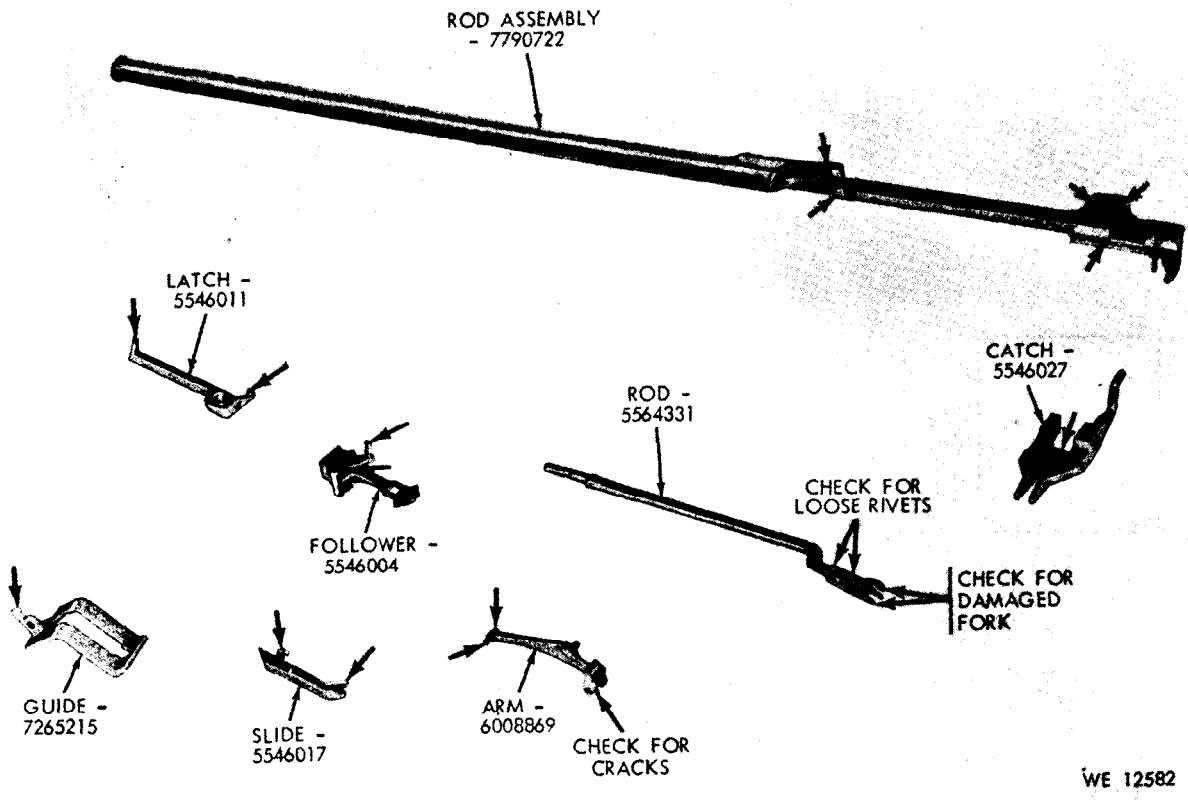



*Figure 5-13. Inspection points of component parts of follower group.*

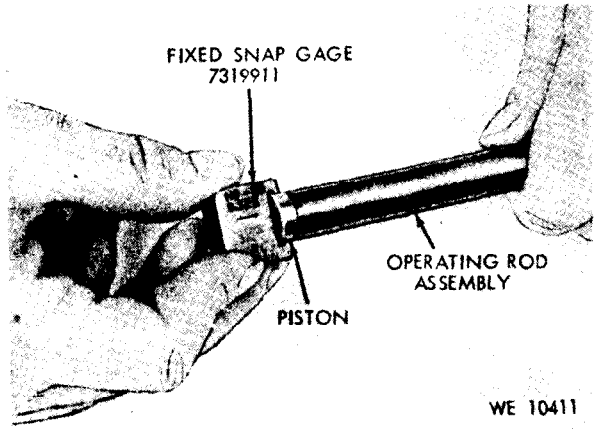



*Figure 5-14. Gaging diameter of gas piston.*

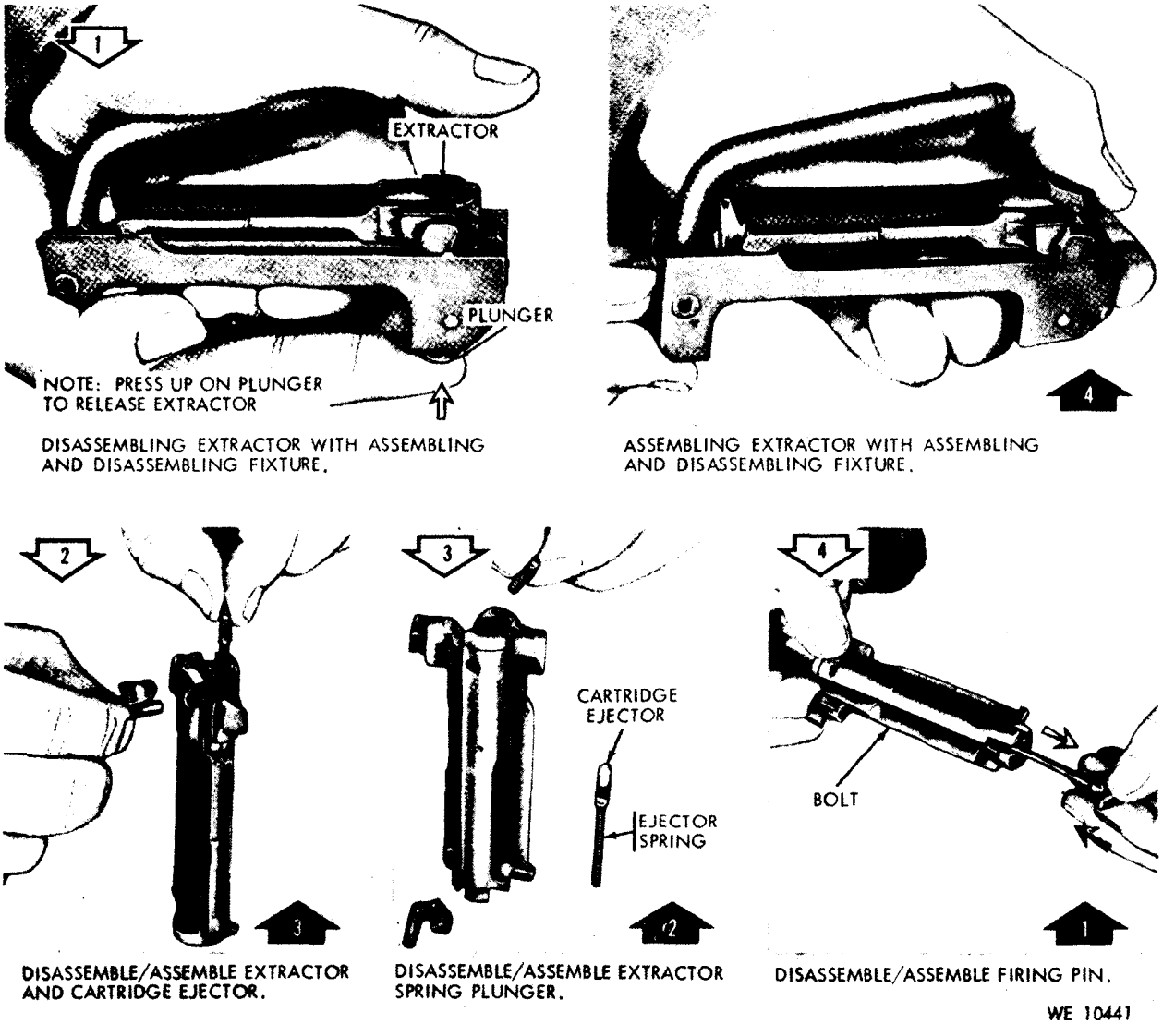



*Figure 5-15. Disassembly/assembly of bolt assembly.*

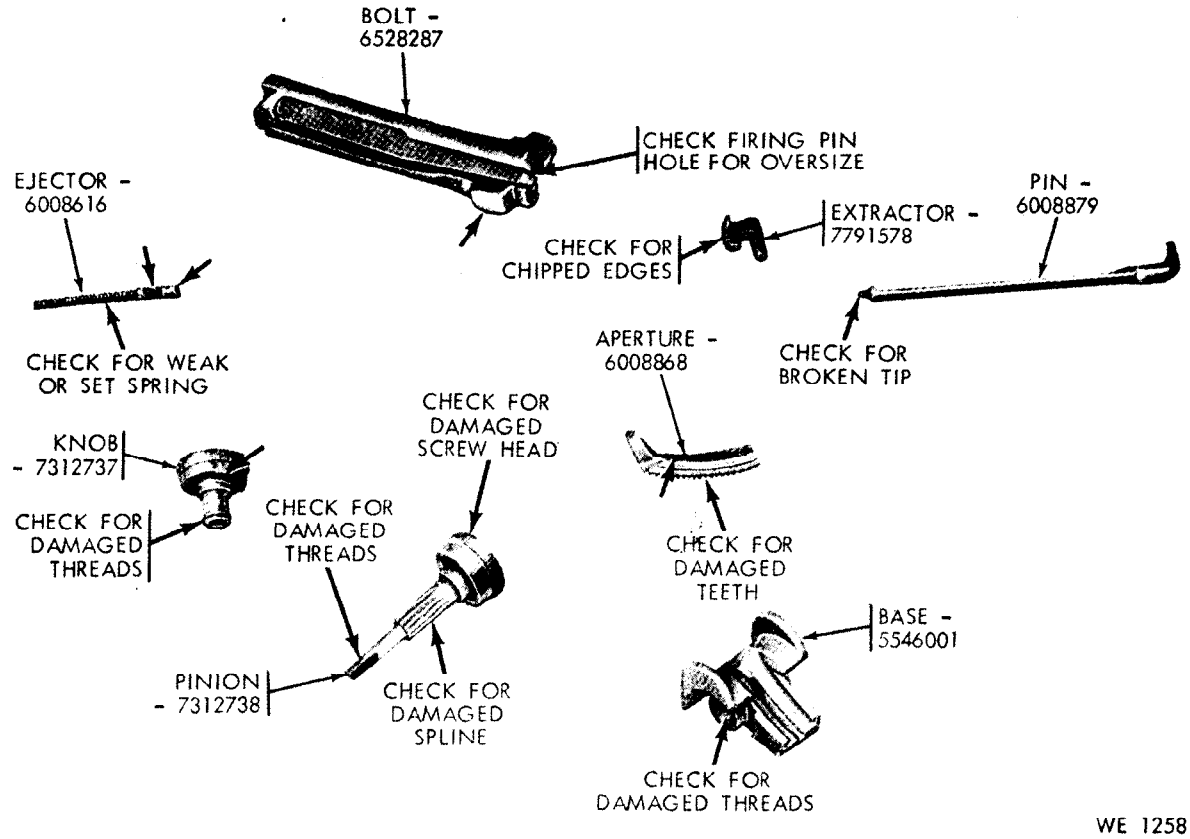



*Figure 5-16. Inspection points of component parts of bolt assembly and rear sight group.*

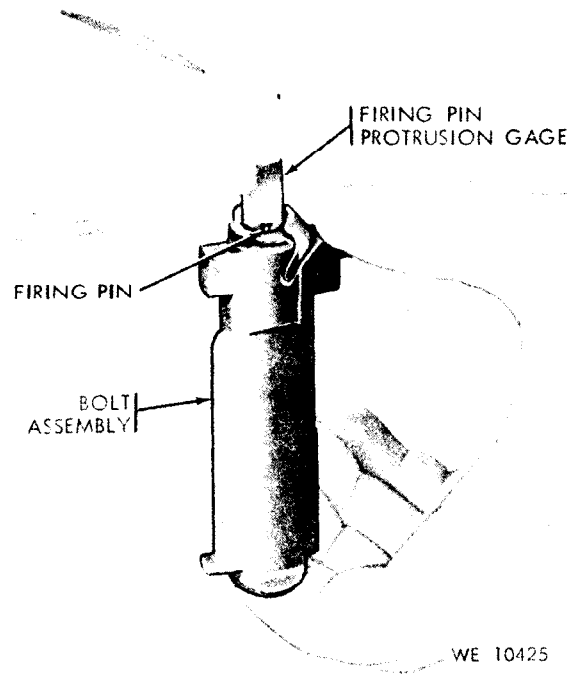
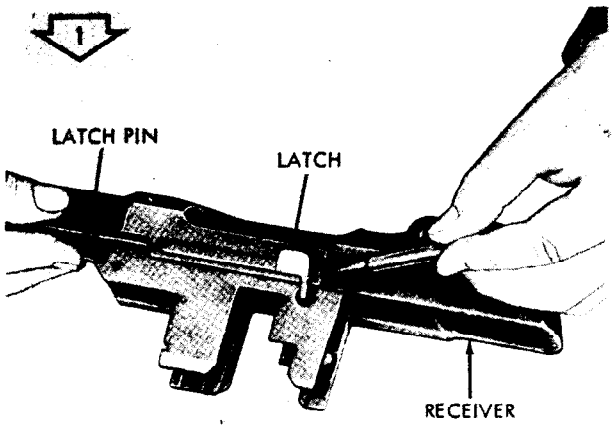
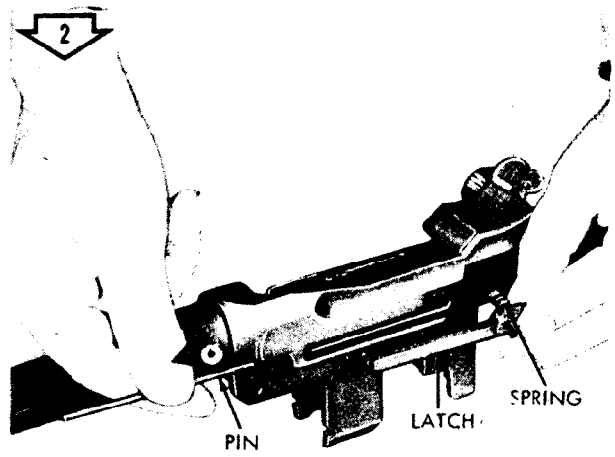


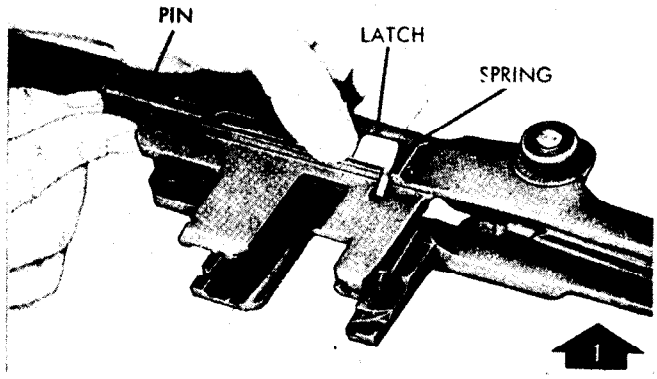

*Figure 5-17. Gaging firing pin protrusion.*




UNSEAT STRAIGHT HEADED LATCH PIN.



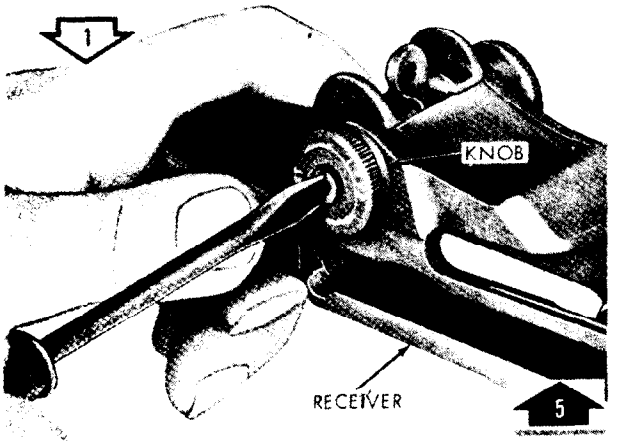

REMOVE LATCH PIN, LATCH AND HELICAL COMPRESSION SPRING.



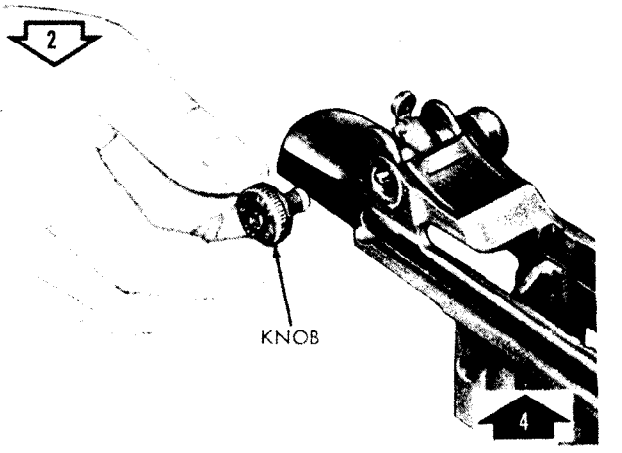

INSTALL LATCH PIN, LATCH AND SPRING.

WE 10445

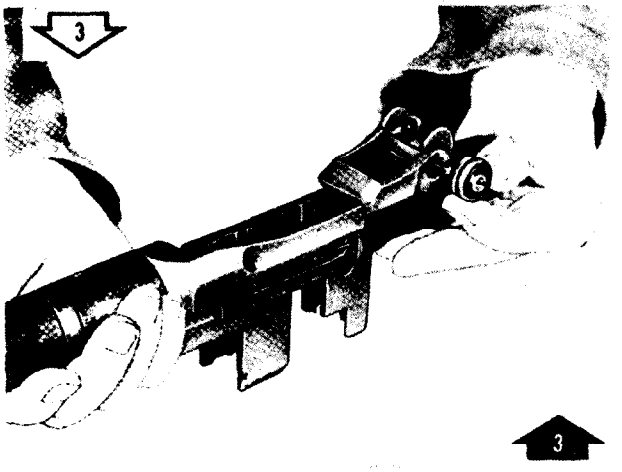
*Figure 5-18. Disassembly/assembly of latch group.*



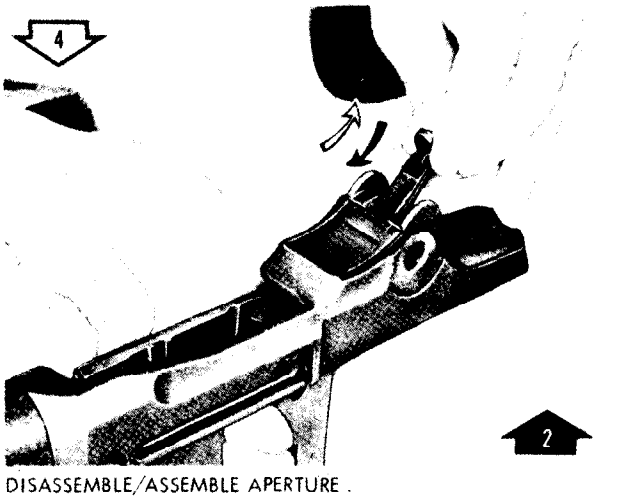

LOOSEN/TIGHTEN NUT.



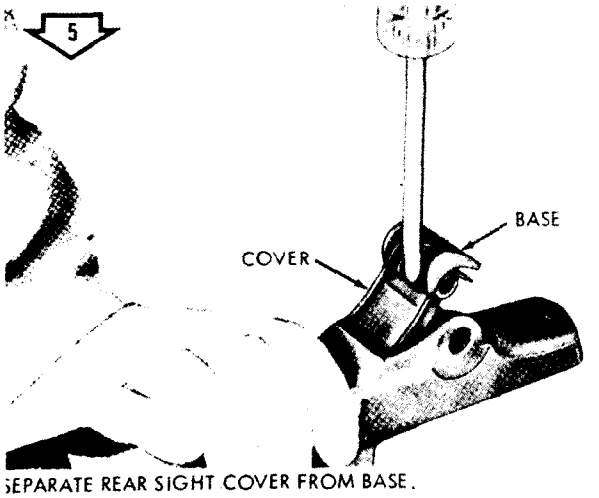

DISASSEMBLE/ASSEMBLE WINDAGE KNOB.



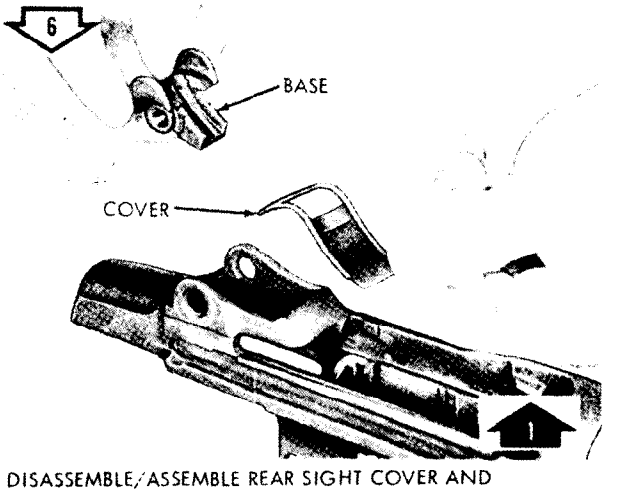

DISASSEMBLE/ASSEMBLE ELEVATING PINION.




DISASSEMBLE/ASSEMBLE APERTURE.



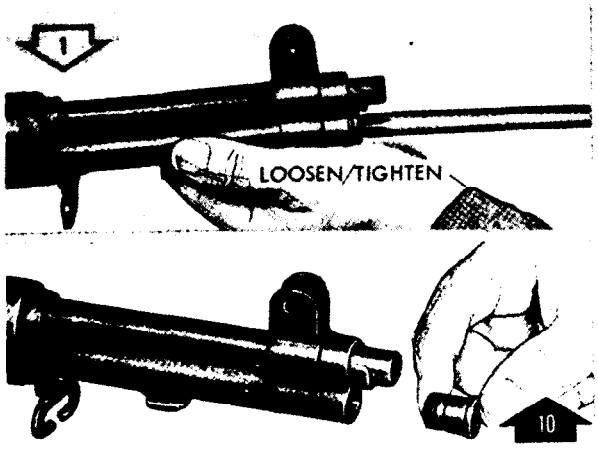

SEPARATE REAR SIGHT COVER FROM BASE.



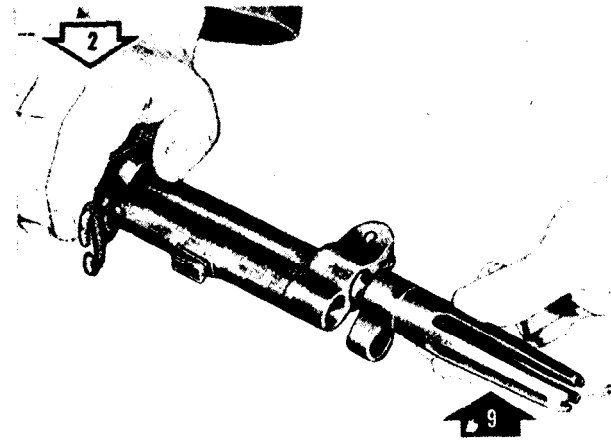

DISASSEMBLE/ASSEMBLE REAR SIGHT COVER AND BASE.

WE 10519

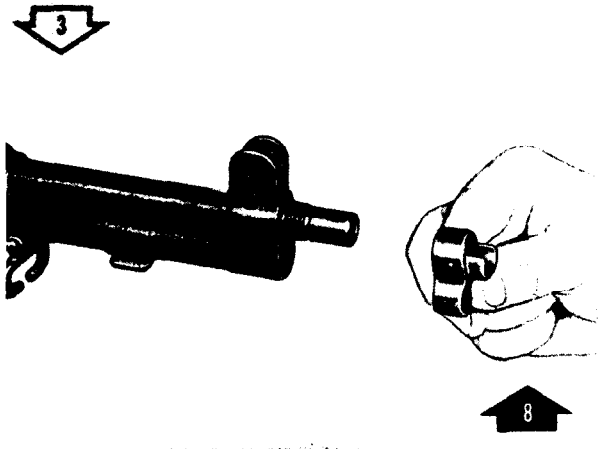
*Figure 5-19. Disassembly/assembly of rear sight group.*



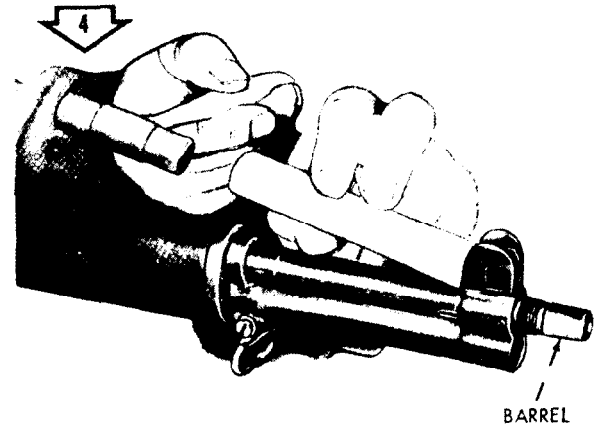

DISASSEMBLE/ASSEMBLE GAS CYLINDER LOCK SCREW.



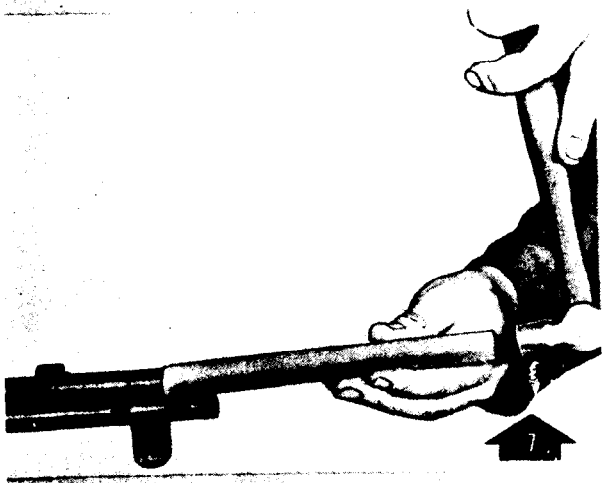

DISASSEMBLE/ASSEMBLE FLASH HIDER T37 FROM RIFLE M1C, M1D.



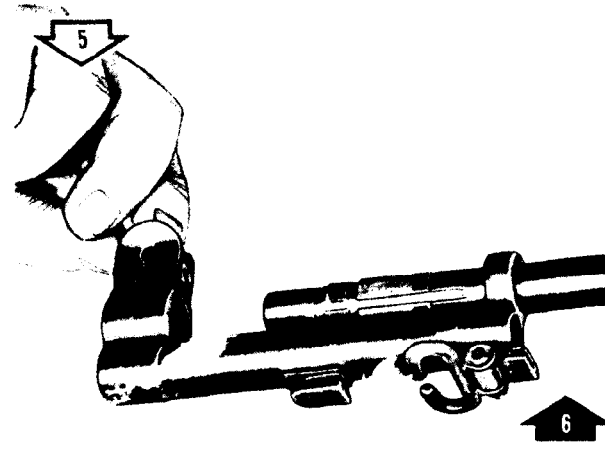

DISASSEMBLE/ASSEMBLE GAS CYLINDER LOCK.




LOOSEN GAS CYLINDER ASSEMBLY FROM BARREL.



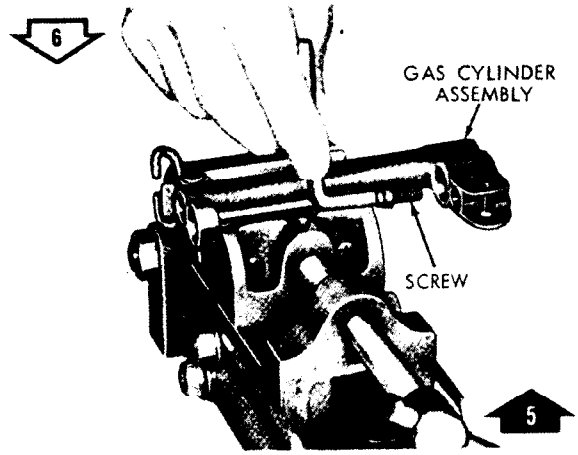

SECURE GAS CYLINDER ASSEMBLY TO BARREL.



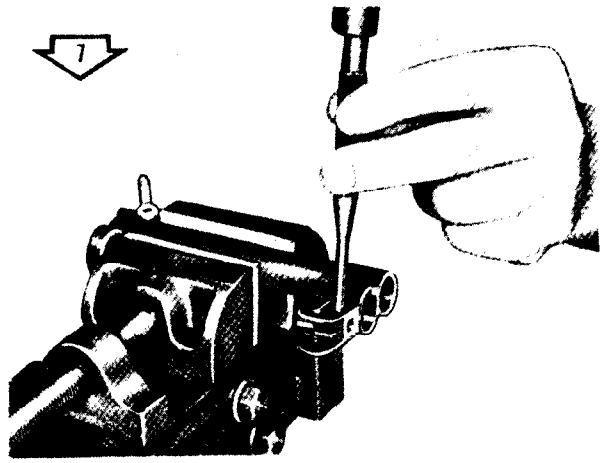

REMOVE/INSTALL GAS CYLINDER ASSEMBLY.

WE 10444

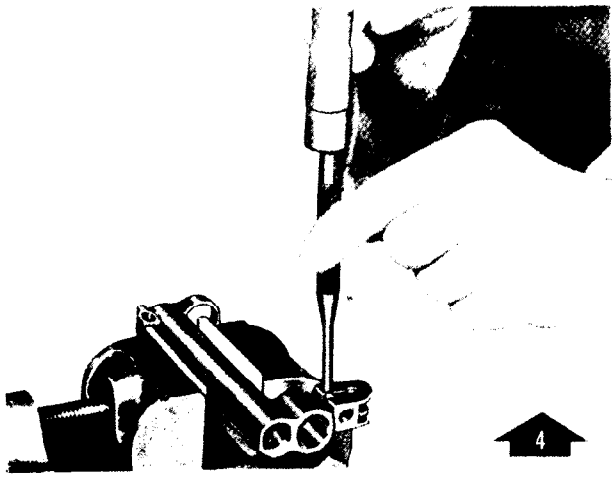
*Figure 5-20. Disassembly/assembly of gas cylinder group. (1 of 2)*



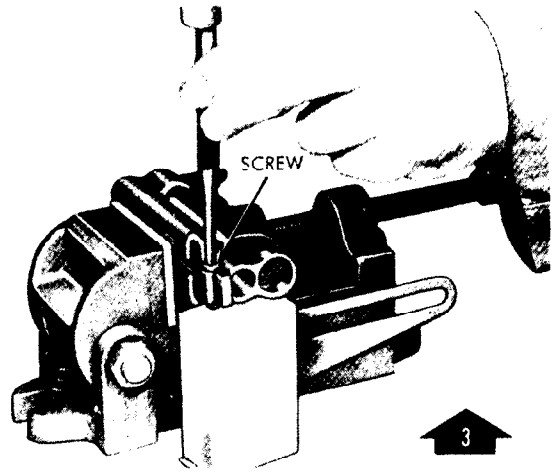

DISASSEMBLE/ASSEMBLE SOCKET HEAD SCREW.



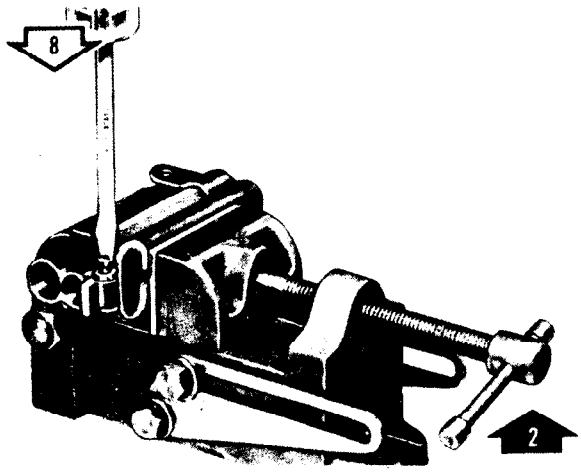

DISASSEMBLE FRONT SIGHT.



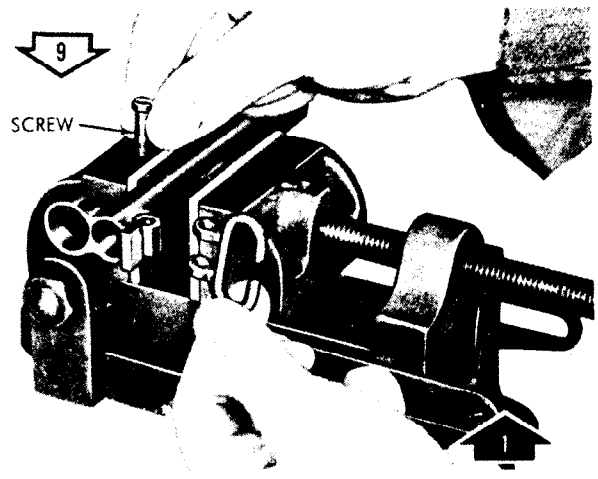

ASSEMBLE FRONT SIGHT.




STAKE STACKING SWIVEL SCREW.




DISASSEMBLE/ASSEMBLE STACKING SWIVEL SCREW.




DISASSEMBLE/ASSEMBLE STACKING SWIVEL.

WE 10443

*Figure 5-21. Disassembly/assembly of gas cylinder group. (2 of 2)*

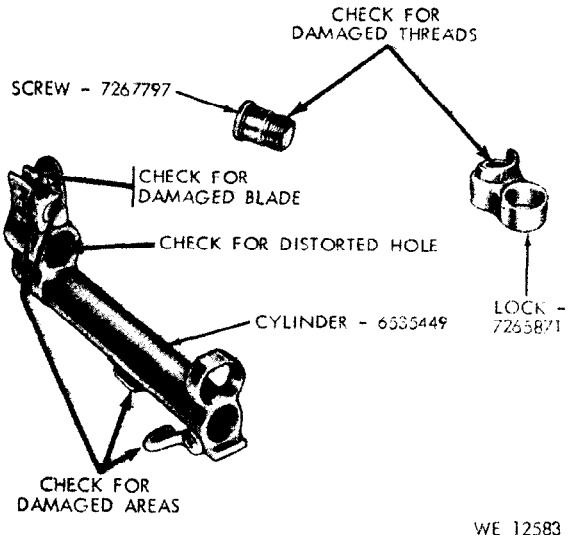



*Figure 5-22. Inspection points of component parts of gas cylinder group.*

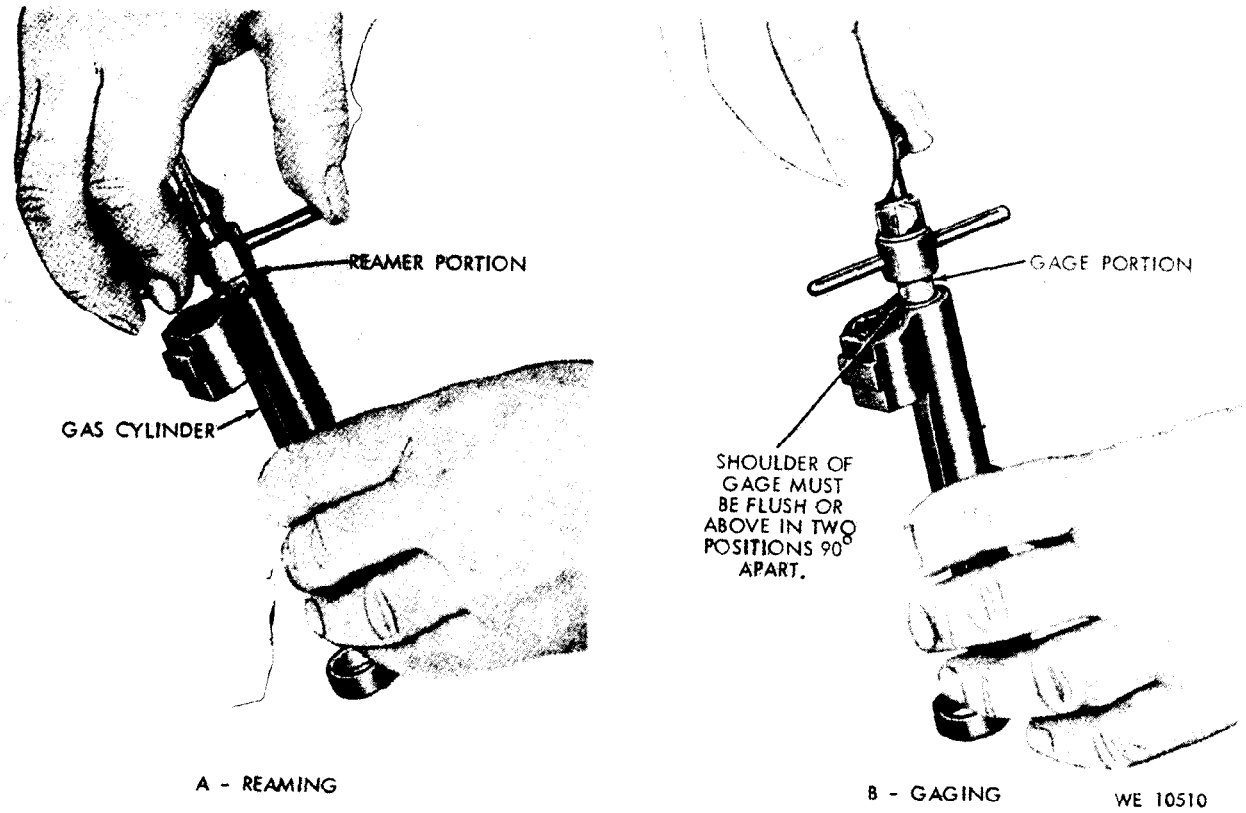



*Figure 5-23. Use of gas cylinder diameter plug gage 7319919.*

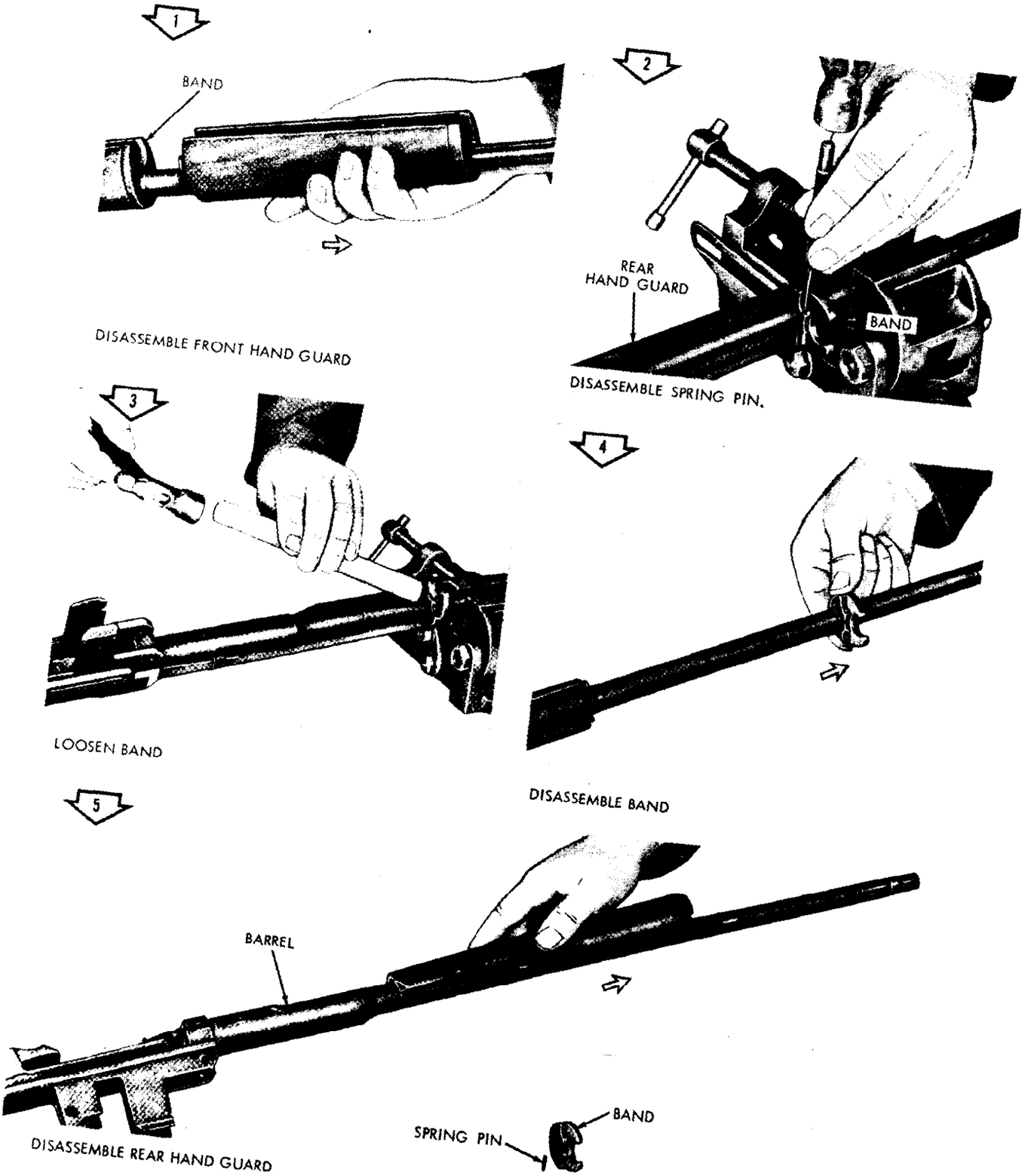
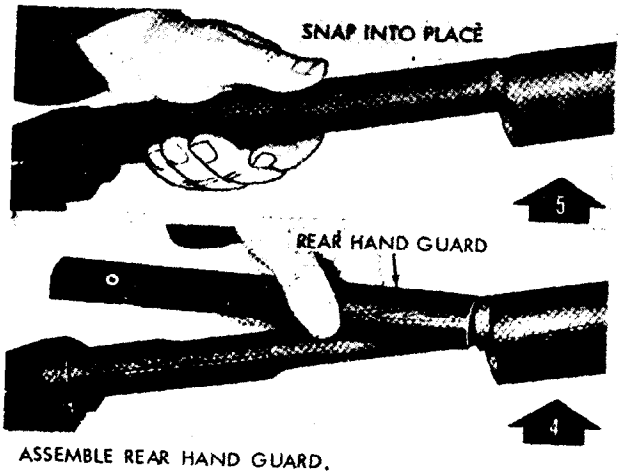


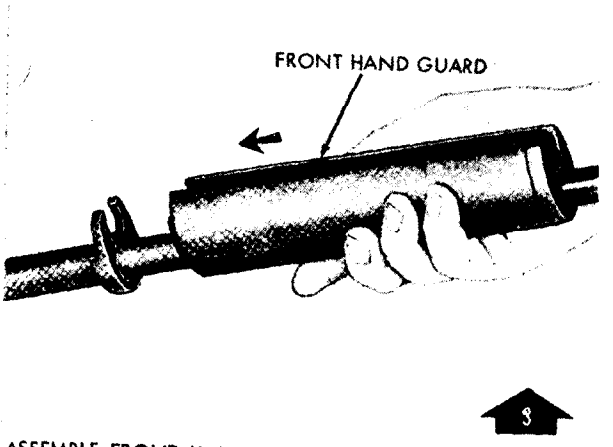

*Figure 5-24. Disassembly of gun hand guard group.*



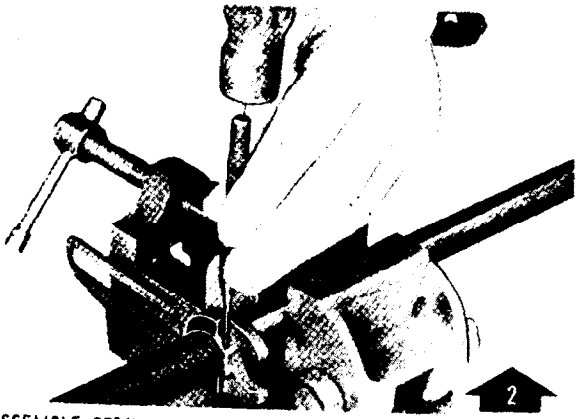
WE 10447



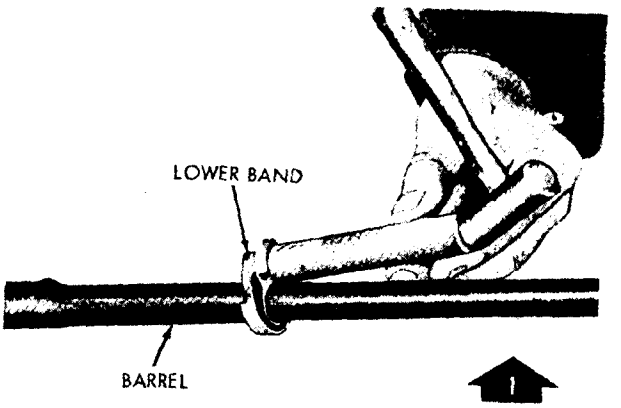

ASSEMBLE REAR HAND GUARD.



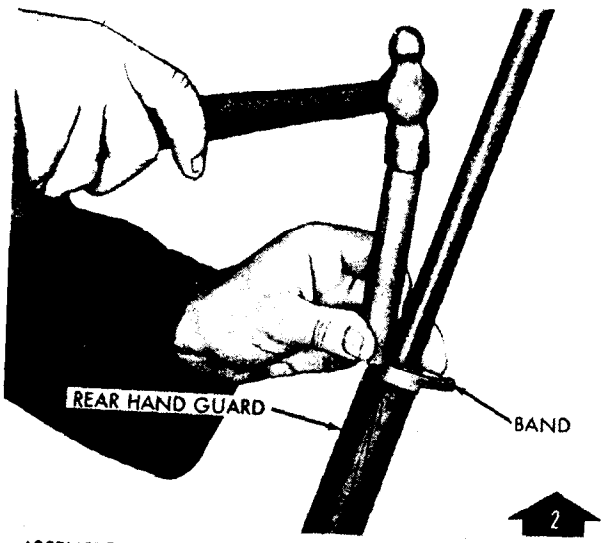

ASSEMBLE FRONT HAND GUARD.



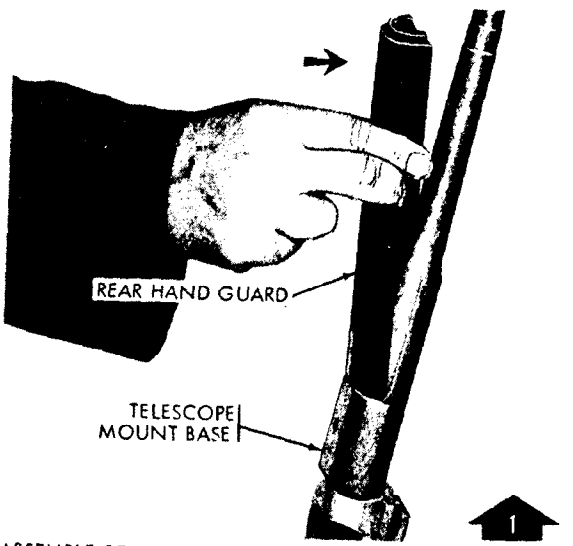

ASSEMBLE SPRING PIN.




ASSEMBLE BAND ON M1, M1C RIFLE.




ASSEMBLE BAND ON M1D RIFLE.




ASSEMBLE REAR HAND GUARD ON M1D RIFLE.

NOTE: ON THE M1D RIFLE, THE REAR HAND GUARD MUST BE ASSEMBLED FIRST. THEN ASSEMBLE THE BAND, SPRING PIN AND FRONT HAND GUARD.

WE 10520

*Figure 5-25. Assembly of gun hand guard group.*

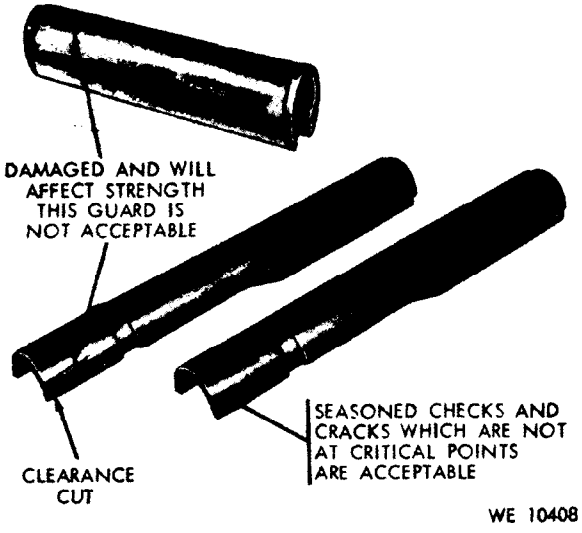



*Figure 5-26. Gun hand guard defects and clearance cut for rifles.*

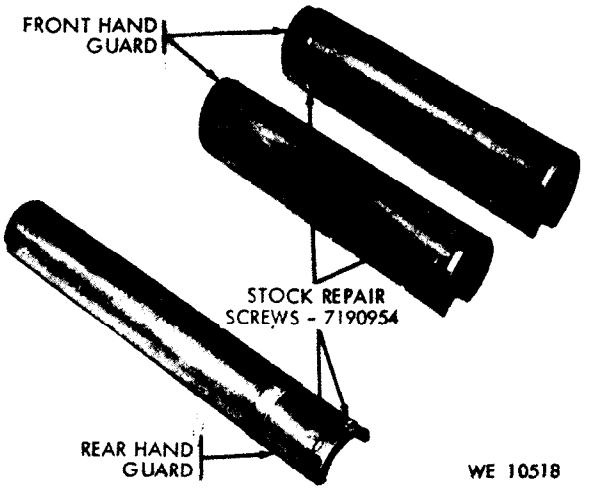



*Figure 5-27. Repaired front and rear gun hand guards.*

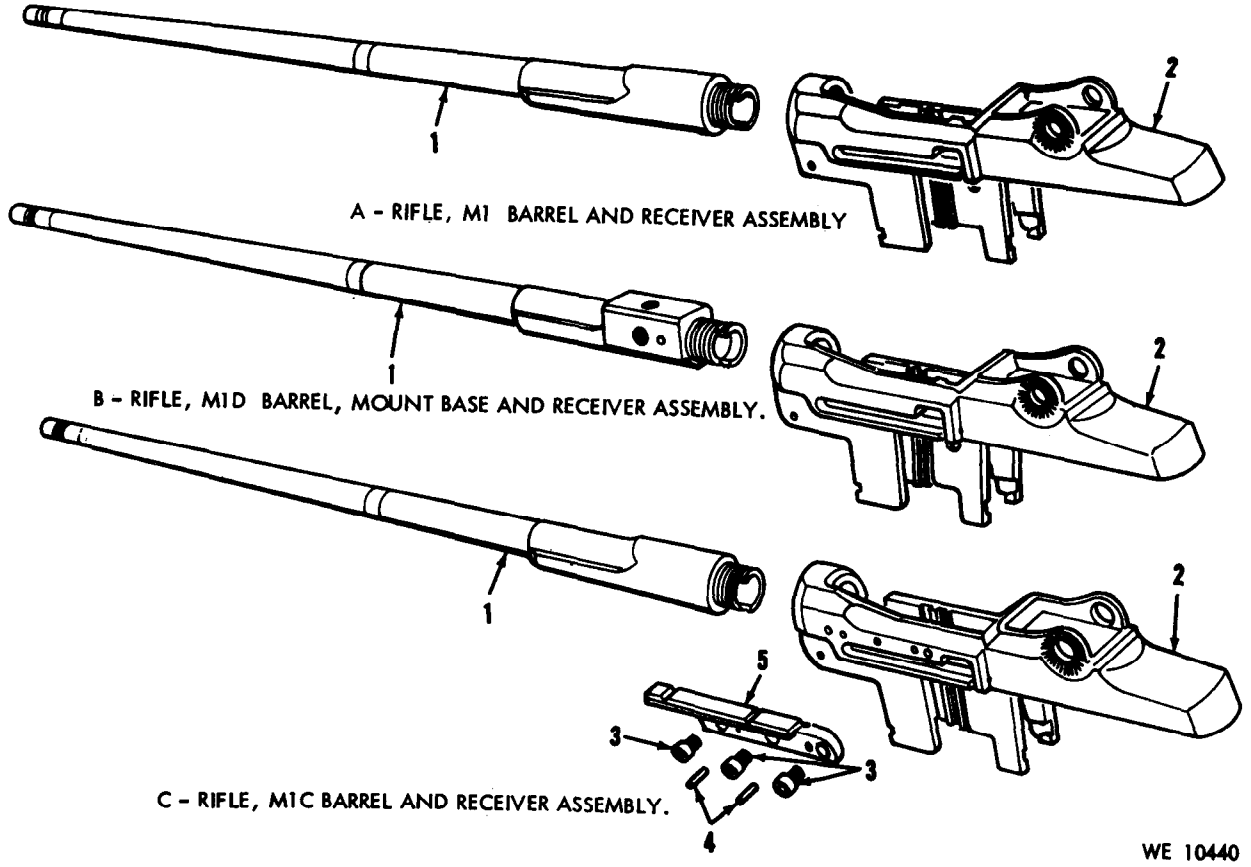
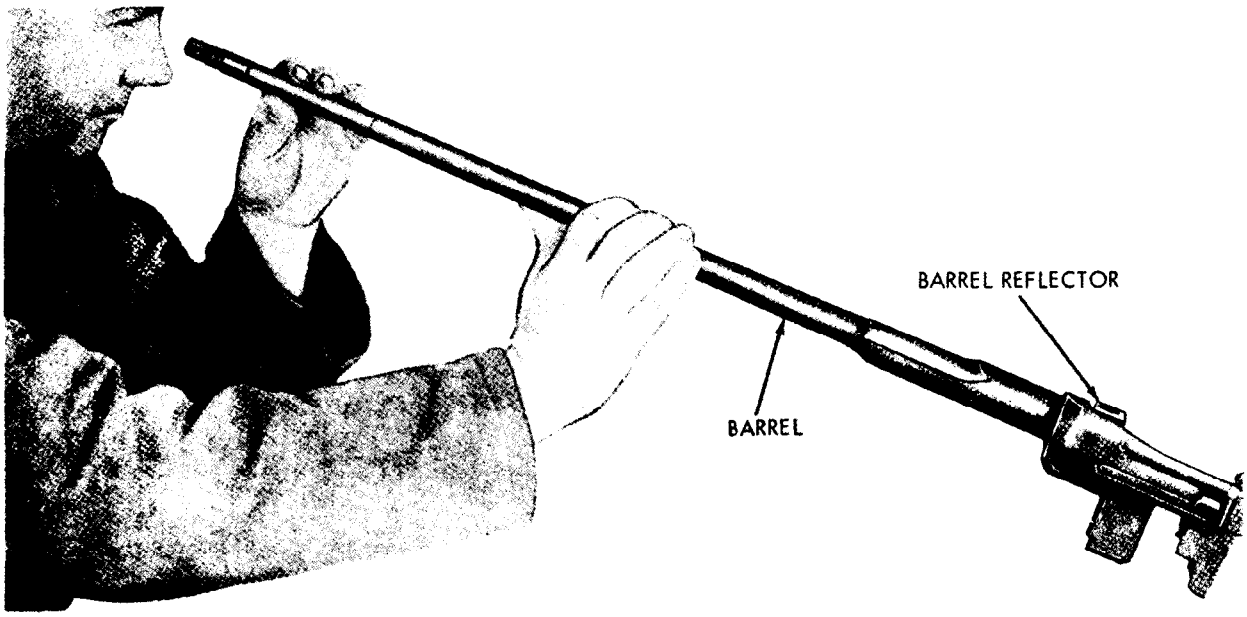
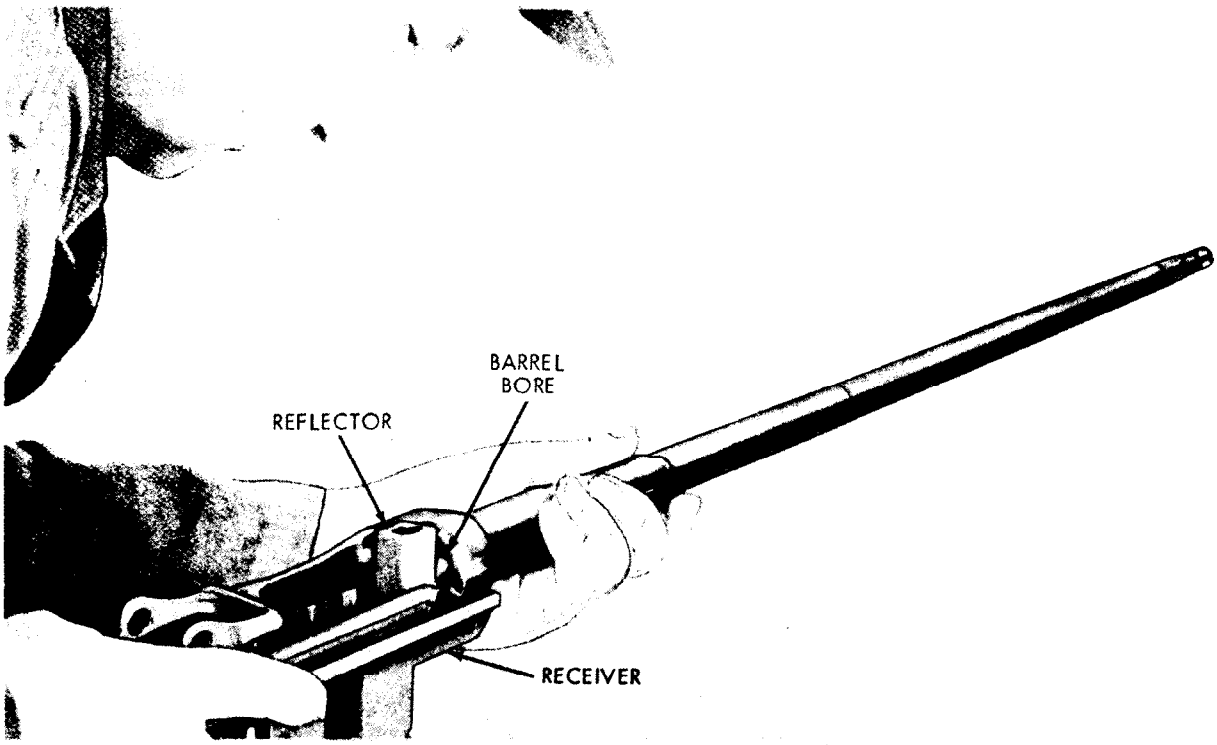



*Figure 5-28. Barrel and receiver groups - exploded view.*




A - VIEWING BARREL FROM MUZZLE END




B - VIEWING BARREL FROM CHAMBER END

WE 10521

*Figure 5-29. Inspection of barrel using barrel reflector.*

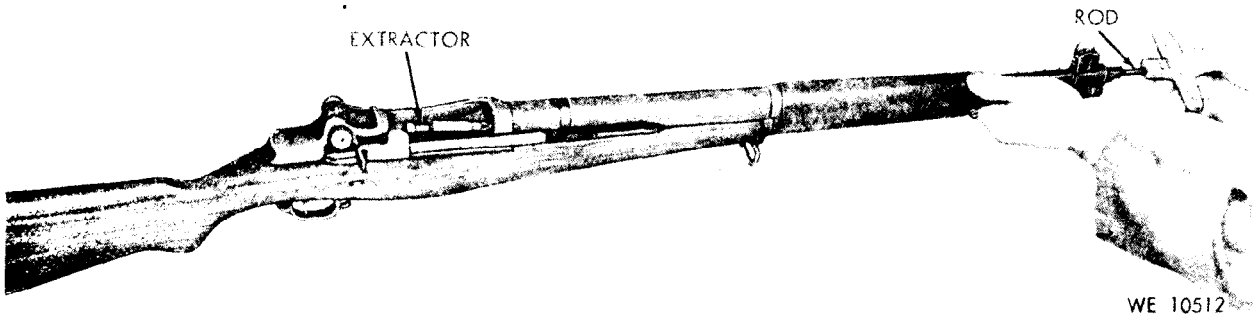



*Figure 5-30. Removing ruptured cartridge case.*

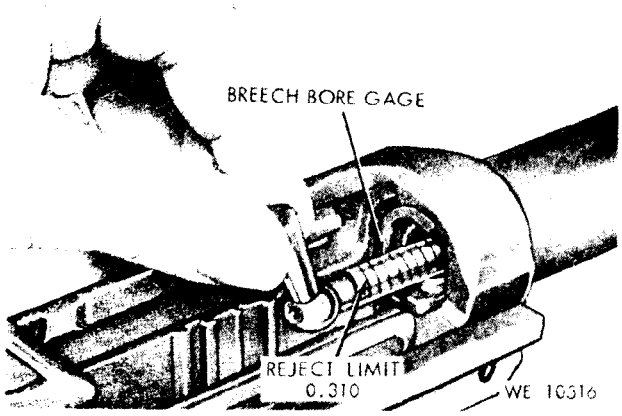



*Figure 5-31. Gaging breech bore.*

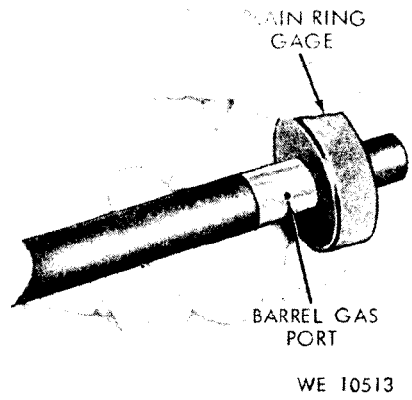



*Figure 5-32. Gaging diameter of barrel at gas port.*

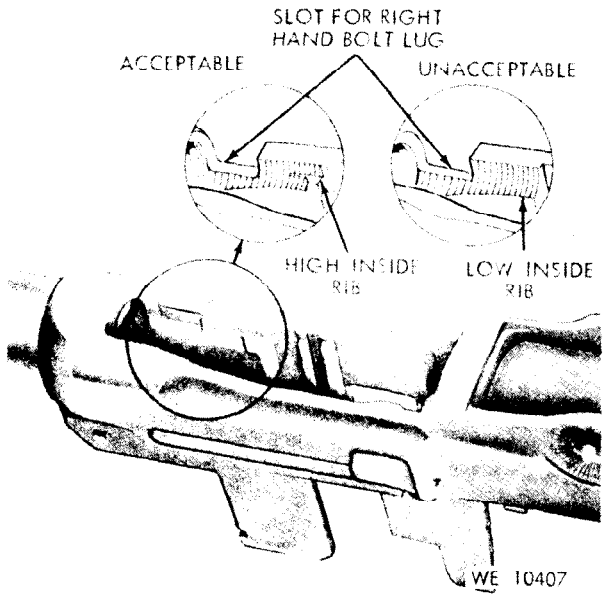



*Figure 5-33. Checking contour of receiver rib.*

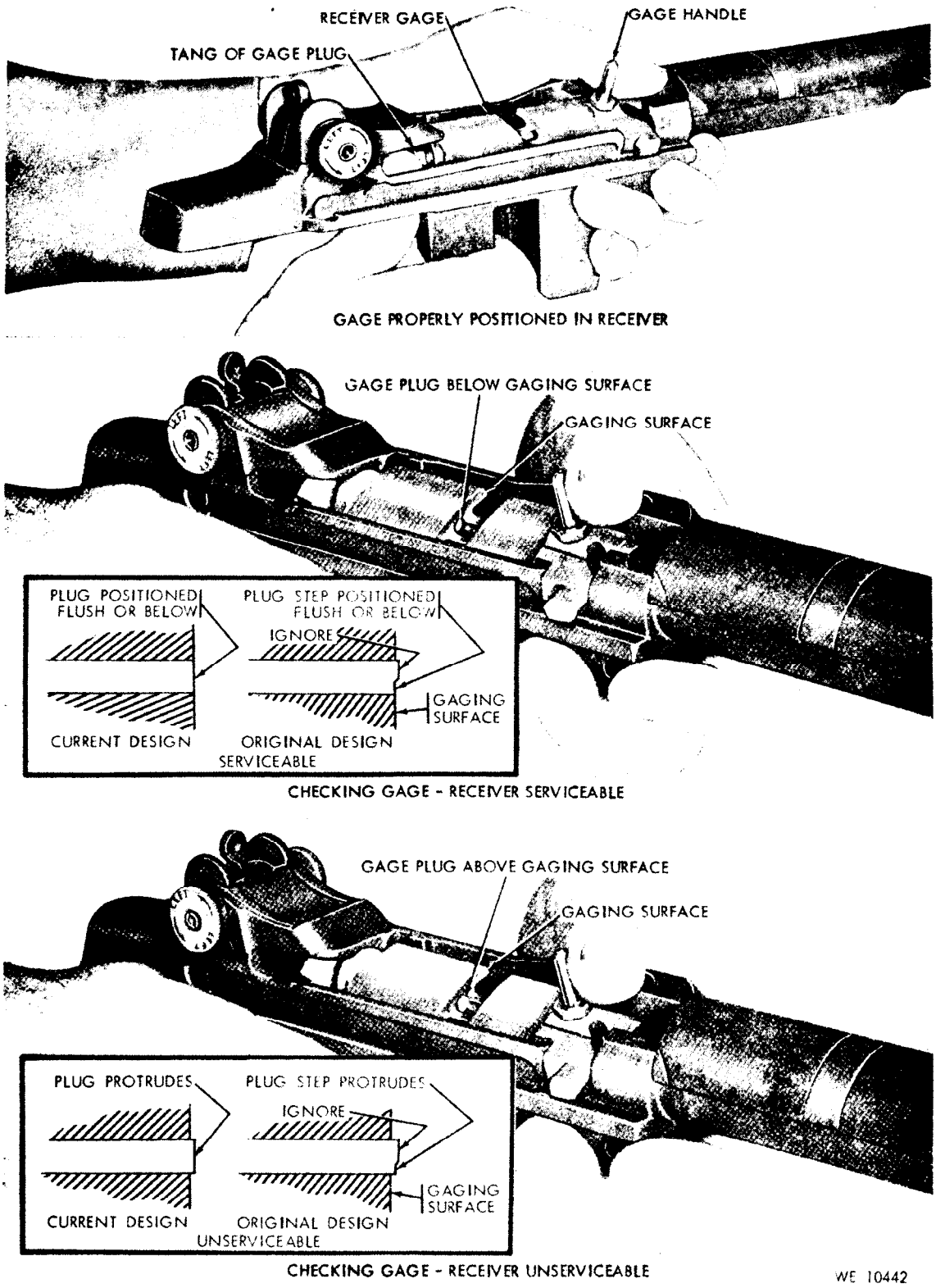



*Figure 5-34. Procedures for gaging receiver, using gage 7799709.*

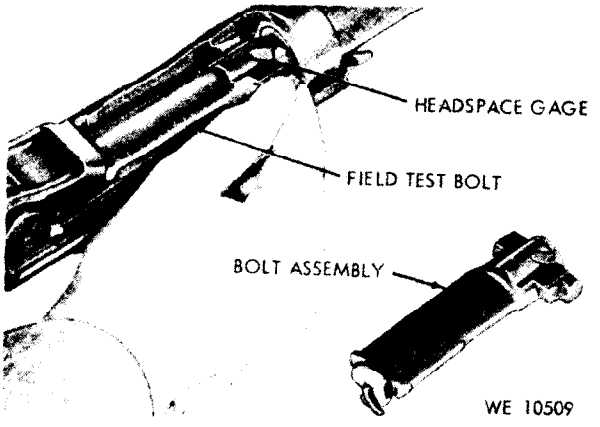
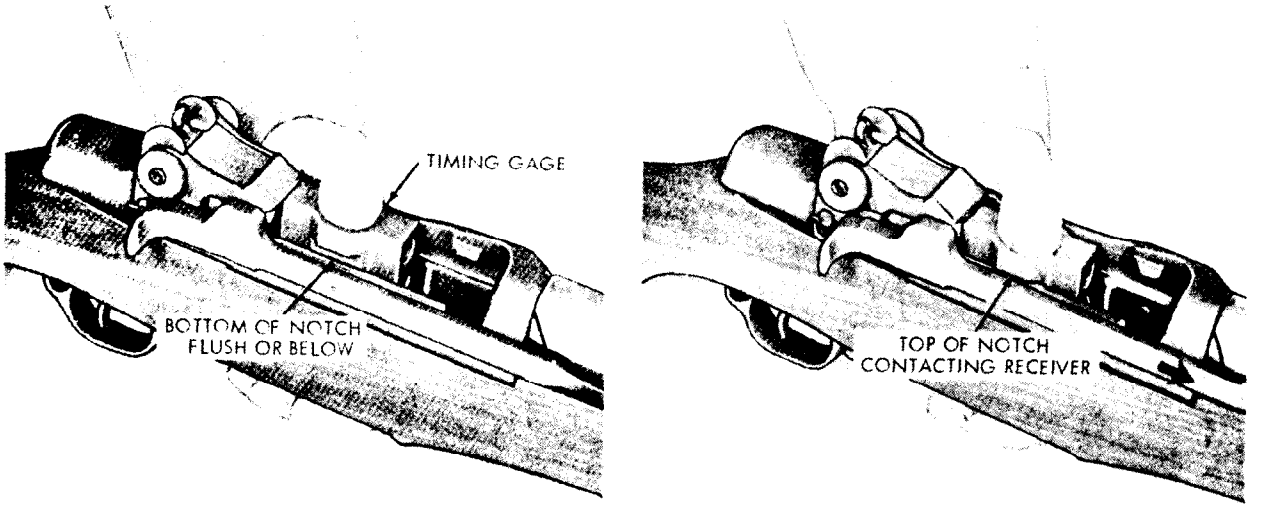



*Figure 5-35. Gaging headspace of rifle.*




A - GAGE POSITIONED - OPERATING ROD ASSEMBLY NOT RELEASED.

B - GAGE POSITIONED - OPERATING ROD ASSEMBLY RELEASED.

WE 10515

*Figure 5-36. Timing the rifle.*

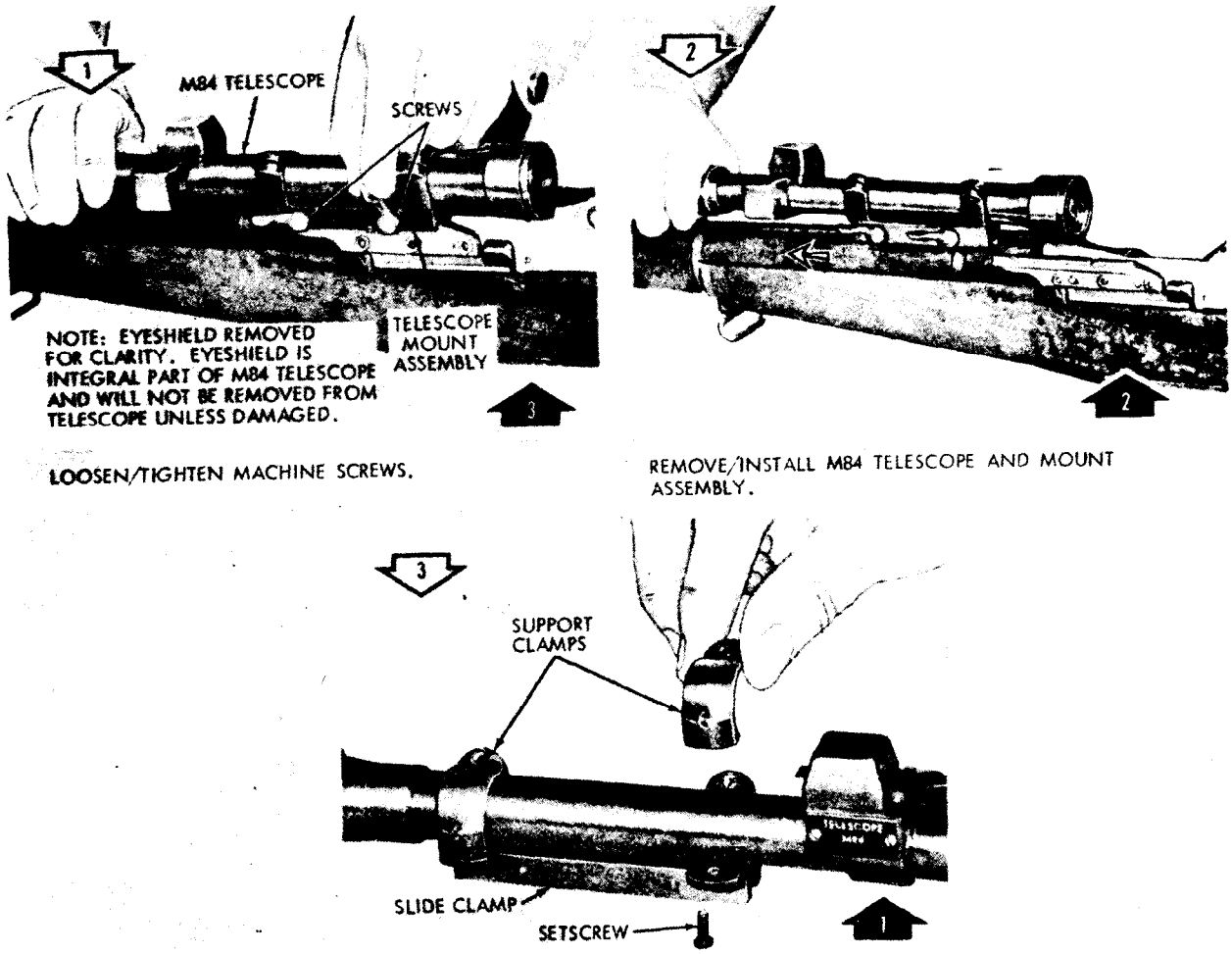



*Figure 5-37. Disassembly/assembly telescope mount assembly for rifle M1C (Sniper's).*

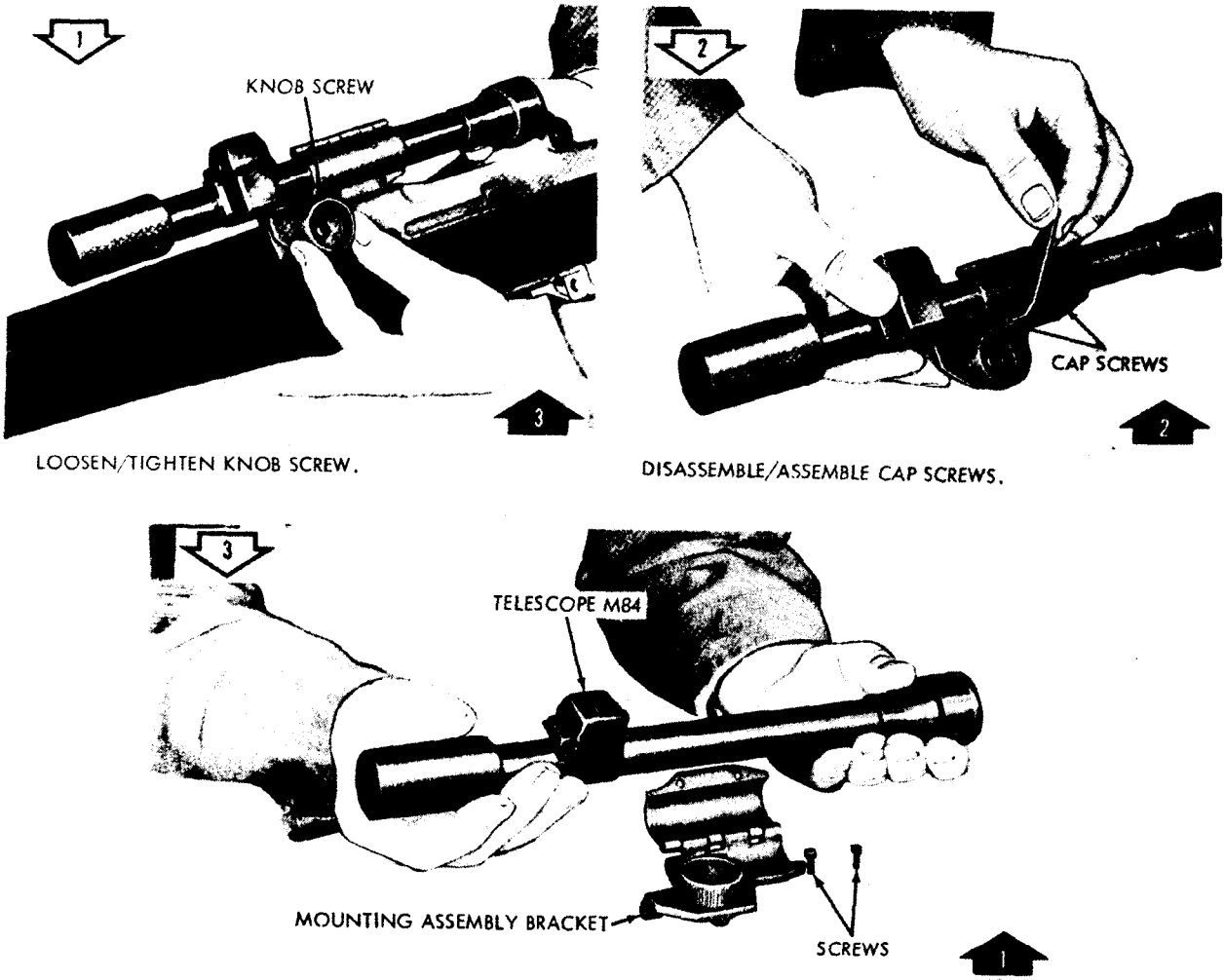



*Figure 5-38. Disassembly/assembly of mounting bracket assembly for rifle M1D (Sniper's).*