Technical Manual
No. 9-1005-301-30

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 20 October 1970

DIRECT SUPPORT MAINTENANCE MANUAL

REPAIR OF WOODEN, FIBER GLASS/PLASTIC OR

PLASTIC COMPONENTS OF SMALL ARMS WEAPONS

This copy is a reprint which includes current pages from Changes 1 and 2

* This manual supersedes TM 9-1005-301-30, 21 October 1968, including changes.

CHANGE

No. 2

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC,
18 April 1986

DIRECT SUPPORT MAINTENANCE MANUAL

REPAIR OF WOODEN, FIBERGLASS/PLASTIC OR

PLASTIC COMPONENTS OF SMALL ARMS WEAPONS

TM 9-1005-301-30, 20 October 1970, is changed as follows:
Page 6, paragraph 2-3 is changed to add subparagraphs a. through d.

a. Refer to figure 2-3.2.

b. Under the following conditions, hairline cracks (no chipped away material allowed) originating from the buttplate end of the buttstock are acceptable without repair.

1. One hairline crack, not to exceed one inch in length, per side of buttstock.

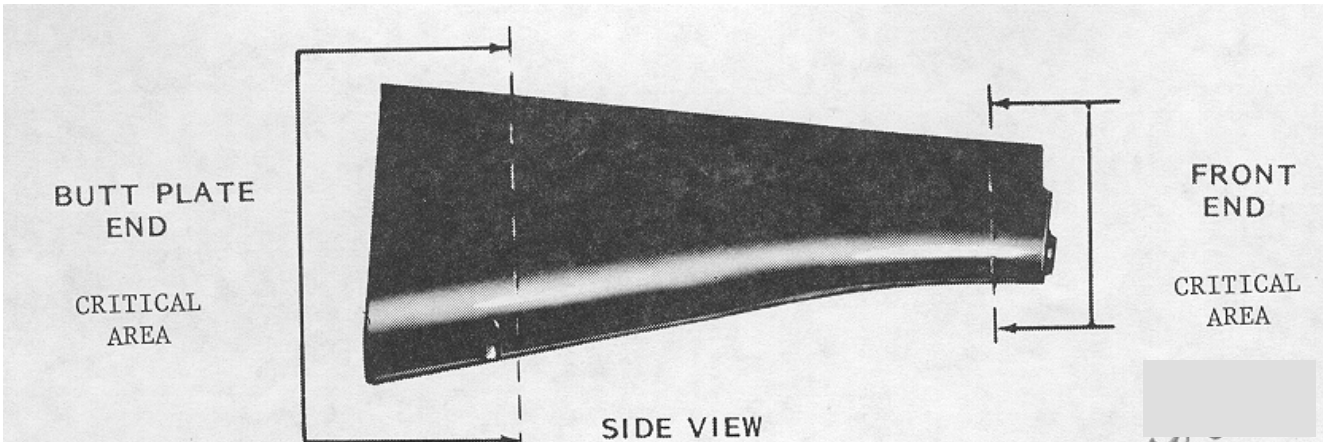
2. Two additional hairline cracks up to .22 inch in length, per side of buttstock.

3. A total of three cracks per side of the buttstock, originating from the buttplate end, are allowable without repair.

c. Buttstocks with cracks originating from the buttplate end of the buttstock, but not meeting the above criteria, may be repaired if the cracks are not longer than two and one-half inches in length and if the routed width of the unfilled crack is not greater than .125 inch. No more than two cracks may be filled on each side of the buttstock. In addition to these repaired cracks two hairline cracks up to .22 inch in length are allowed per side of the buttstock.

d. Cracks in the critical area at the front end of the buttstock are not acceptable. Buttstocks with cracks in this area must be replaced.

Page 7. Figure 2-3.2 is added.



NEW STYLE BUTTSTOCK

Figure 2-3.2 (Added). Critical areas of fiber glass/plastic stocks (M16, M16A1 Rifles).

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-40, Direct Support and General Support Maintenance requirements for Launcher, Grenade, 40-WI, M79; Rifle, 5.56-MM, M16, M16A1 and Rifle, 7.62-MM, National Match, M14 and M14A1.

Changes in force C1

CHANGE }
No. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., *25 June 1971*

DIRECT SUPPORT MAINTENANCE MANUAL
REPAIR OF WOODEN, FIBER GLASS/PLASTIC OR
PLASTIC COMPONENTS OF SMALL ARMS WEAPONS

TM 9-1005-301-30, 20 October 1970 is changed as follows:
Page 7.

Delete figure 2-3, WE 64787A and substitute figure 2-3, WE 64787A.

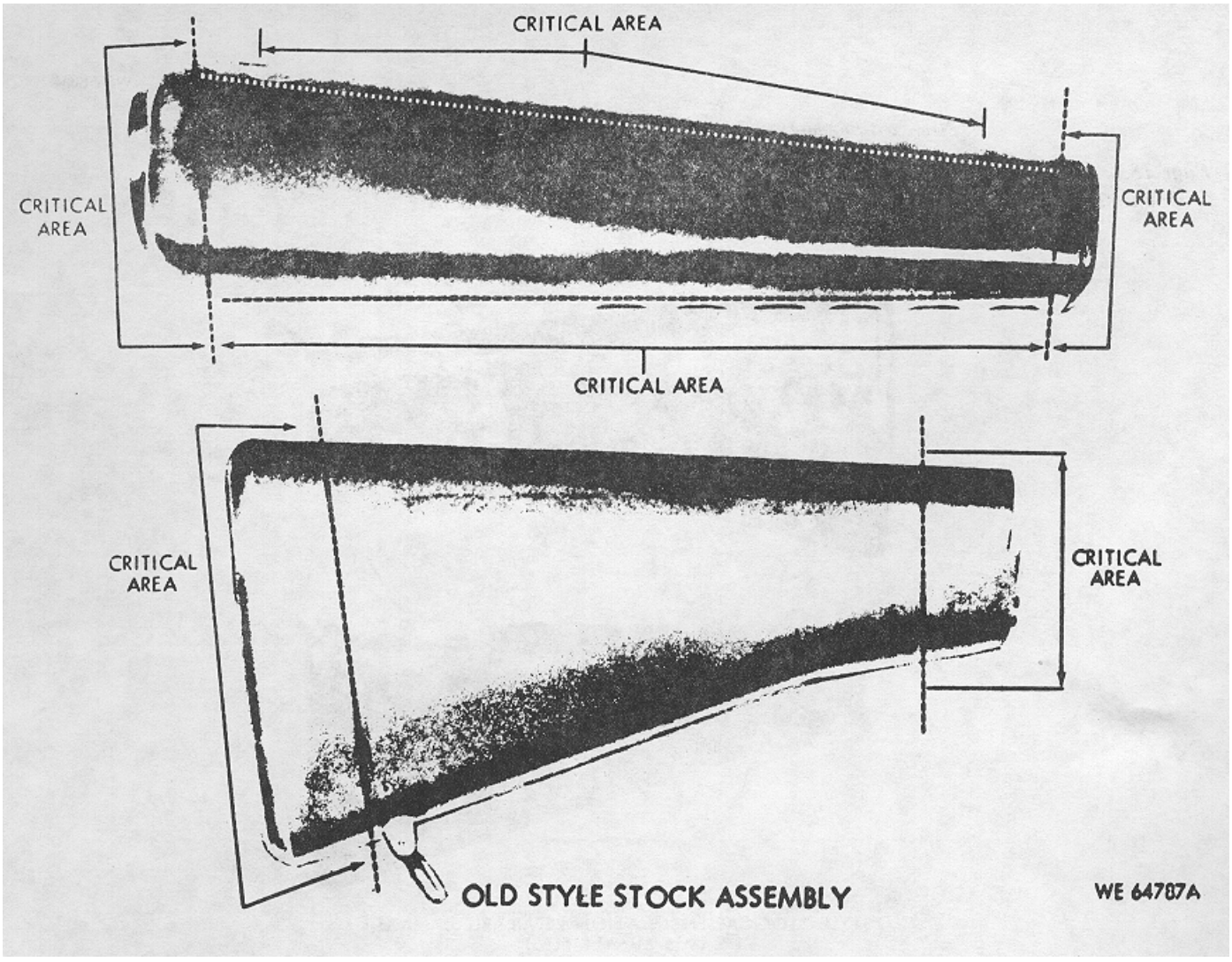
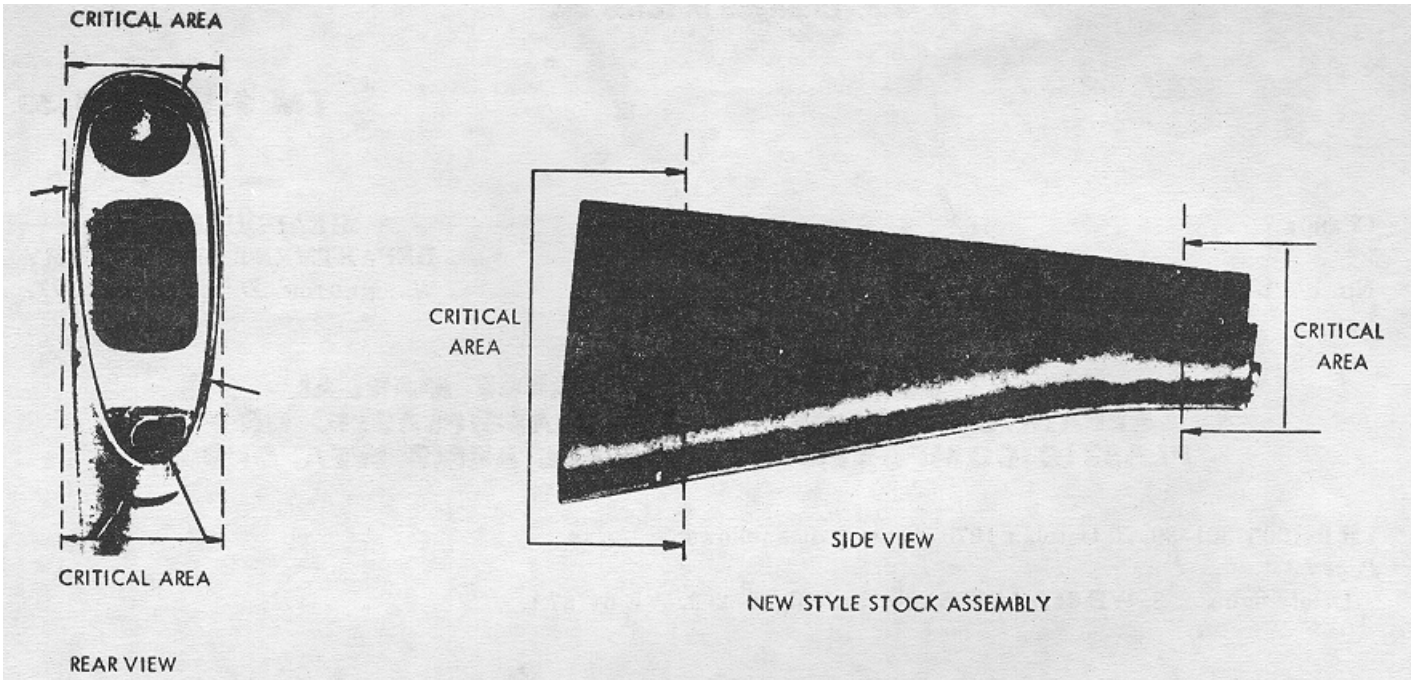


Figure 2-3 (Superseded) Critical areas of fiber glass/ plastic stocks and hand guards (M16, M16A1 Rifles).



WE 68863

Figure 2-3.1 (Added) Critical areas of fiber glass plastic stocks (M16. M16A1 Rifles).

Page 18.

Delete figure 3-10, WE 64788A and substitute figure 3-10, WE 64788A.

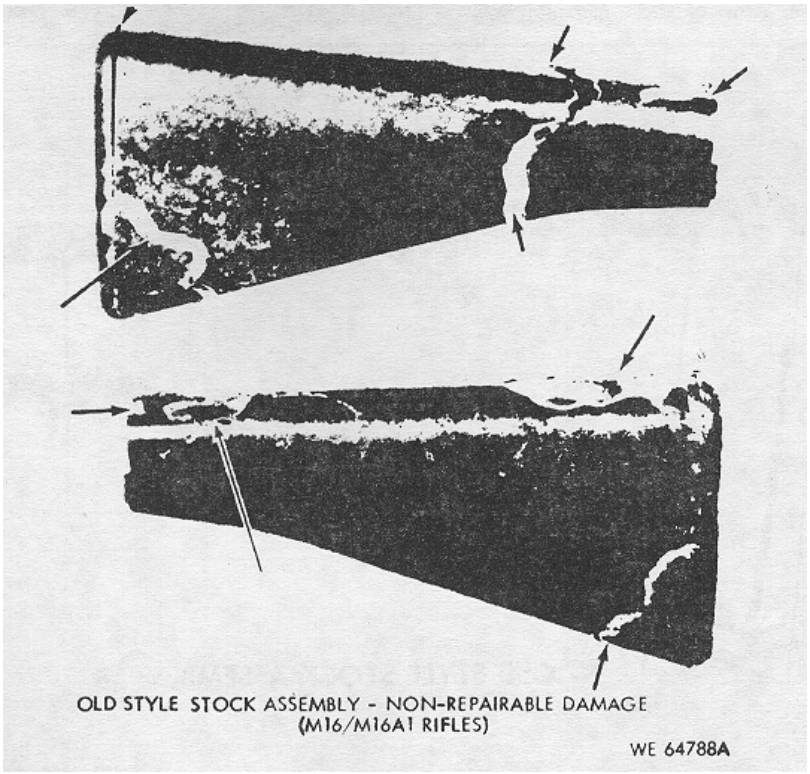


Figure 3-10 (Superseded) Non-repairable damage to fiber glass/plastic stock assemblies.

Figure 3-10.1 (Added) Non-repairable damage to fiber glass/plastic stock assemblies.

Page 21.

Delete figure 3-15, WE 64790A and substitute figure 3-15, WE 64790A.

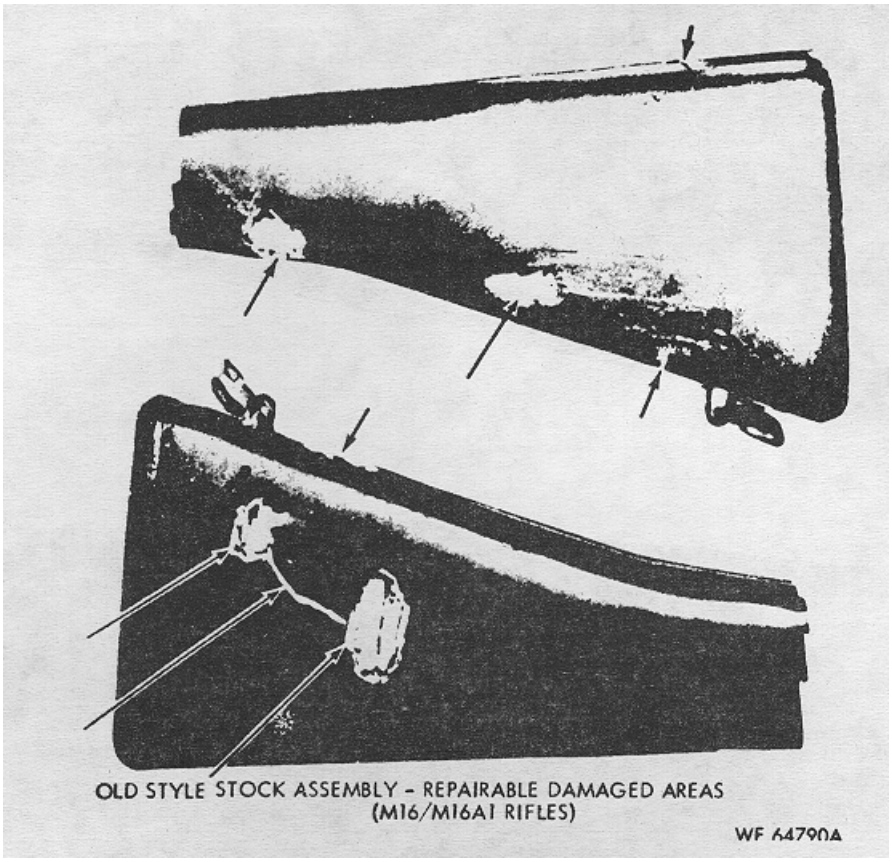


Figure 3-15 (Superseded) Repairable fiber glass/ plastic stock assemblies.

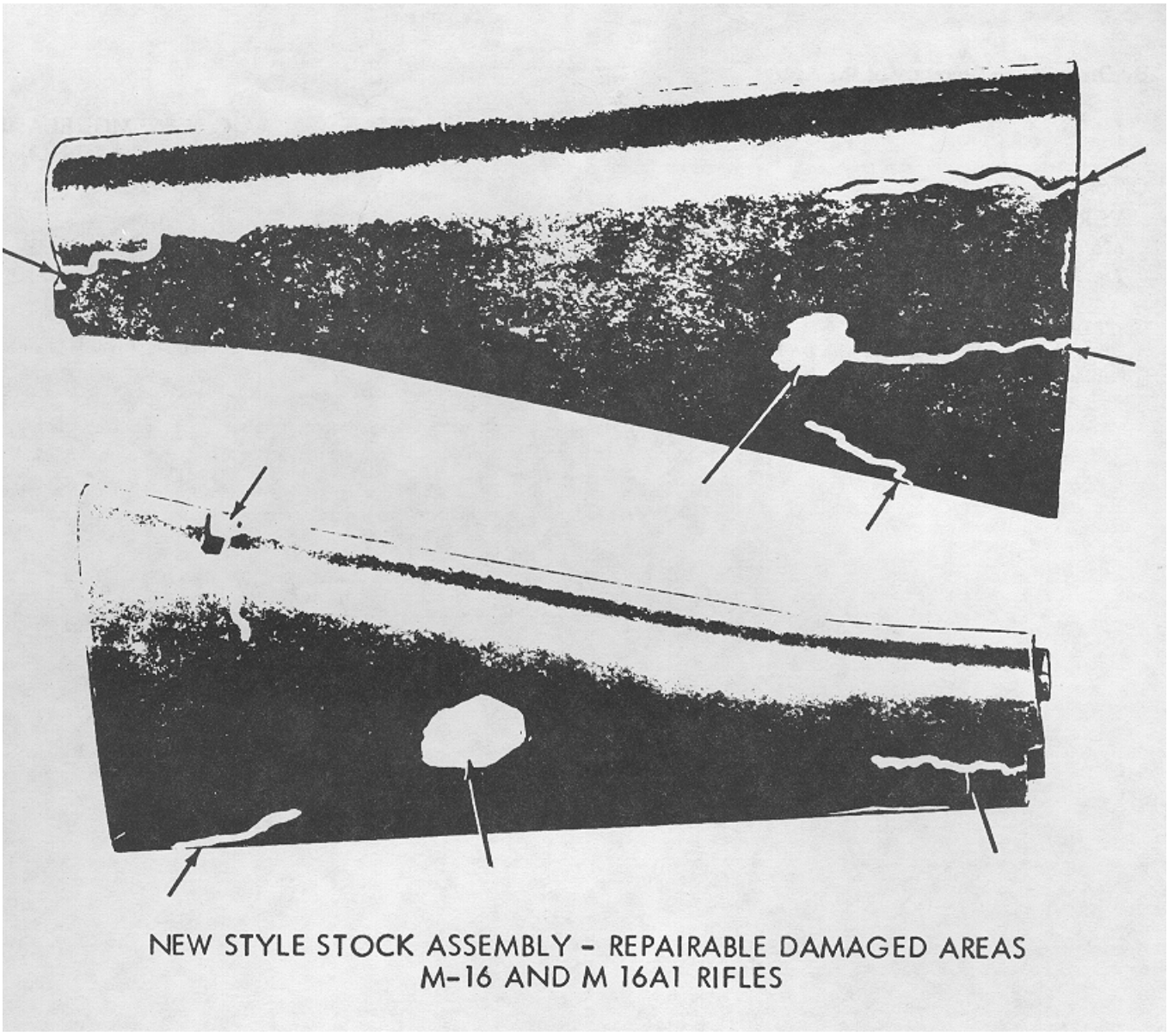


Figure 3-15.1 (Added) Repairable fiber glass/ plastic stock assemblies.

By Order of the Secretary of the Army:

W. C. WESTMORELAND,
General, United States Army,
Chief of Staff.

Official:

VERNE L. BOWERS,
Major General, United States Army,
The Adjutant General.

DISTRIBUTION:

To be distributed in accordance with DA Form 1240, Direct/General Support requirements for Carbine, Cal. .30, M1, M2; Grenade launcher, M79; Rifle, Cal..30, M1; Rifle, 5.56-mm, M16, M16A1 and Rifle, 7.62-mm, M14 and M14A1.

CHAPTER 1

INTRODUCTION

1-1. Scope

These instructions are in accordance with various military standards governing the repair and reinforcement of wooden, fiber glass/ plastic or plastic components for small arms weapons and are published for the use of direct support maintenance personnel.

1-2. Maintenance Forms and Records

Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750, The Army Maintenance Management System (TAMMS).

1-3. Reporting of Errors

Report of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to: Commanding General, U.S. Army Weapons Command, ATTN: AMSWE-SMM-P, Rock Island, Illinois 61201.

CHAPTER 2
DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

Section I. REPAIR MATERIALS, TOOLS AND EQUIPMENT

2-1. Repair Materials

a. Authorized Materials. Refer to table 2-1 for listing of authorized materials and TM 9-1005 222-35, TM 9-1005-249-34 and TM 9-1010-20534 for requisitioning purposes.

Table 2-1. Authorized Materials Required for Repair and/or Reinforcement of Wooden and Plastic / Fiber Glass Components of Small Arms Weapons

FSN	Item	Purpose	Reference
1005-523-3523	Screw: (large)	Used to repair cracks in wooden stocks or hand guards.	Fig 3-4
1005-719-0954	Screw, Stock Repair, Small:	Used to repair cracks in wooden stocks or hand guards.	Fig 3-4
6640-171-5198	Spatula Laboratory: 4 in blade, 7 3/8 lg	Used to mix resin and hardener and to apply to wooden and plastic components.	
6810-244-0290	Dichloromethane, Thenical: 5 gal pail	Used to remove excess adhesive and to clean tools and equipment of adhesive.	
6850-281-1985	Dry Cleaning Solvent: (SD)	Cleaning.	Para 3-14b(1) and 3-16
7330-272-7876	Measuring Set, Spoon: 4 spoons	Used to measure required quantity of resin and hardener (liquid only)	
7350-290-0577	Cup, Paper: rd 5 oz capacity	Used for mixing epoxical resin and hardener (liquid only)	
8010-527-2884	Lacquer: Black (jet)	Used to refinish M16 and M16A1 stocks and hand guards.	
8030-145-0042	Coating, Baking:	Used to touch up M14 Rifle and M79 Grenade Launcher fiber glass/plastic stocks only.	
8030-670-8553	Compound, Molding:	Same purpose as listed for metal adhesive kit.	
8040-944-7292	Adhesive Kit, Metal: A-4 Metal set	Used to repair cracks, dents and gouges in wooden, fiber glass / plastic and / or plastic stocks and hand guards. **CAUTION** **Follow the manufacturer's mixing directions as adding too much hardener will cause mixture to harden quickly and material will be wasted.**	

b. Non-Stock Commercial Materials. Refer to table 2-2.

Table 2-2. Non-Stock Materials Required for Repair of Wooden, Fiber Glass / Plastic or Plastic Components

Item	Purpose
Commercial grade epoxical resin (liquid) (1 gal can) and Commercial grade epoxical hardener (liquid) (1 qt can) **NOTE** **The above materials are not stocked or stored due to limited shelf life and are to be procured locally.**	Mixed with epoxical hardener in accordance with manufacturer's instructions to form resin mixture which is used to repair fiber glass / plastic or plastic; stocks and plastic hand guards. **CAUTION** **Follow the manufacturer's mixing directions as adding too much hardener will cause mixture to harden quickly and material will be wasted.**
Fiber glass tape, 1 /2 inch wide and 105 inches long (roll)	Used with epoxical resin mixture to repair stocks, M14 Rifle only.

2-2. Tools and Equipment

All tools and equipment required to repair or reinforce wooden, fiber glass/plastic or plastic components are authorized in applicable TO&Es or TAs.

Section II. INSPECTION PROCEDURES

2-3. General

Refer to TB 9-1000-247-35 and figures 2-1 thru 2-4.

NOTE

M14 Rifle fiber glass stocks exhibiting vertical, horizontal, or diagonal hairline cracks one and one-half inches or less in length in the receiver will not be cause for rejection. However, rifle stocks will be rejected if hairline cracks cited, cross one another or two or more cracks extend from a central location. Rifle stocks exhibiting five or more hairline cracks on any one side will be rejected.

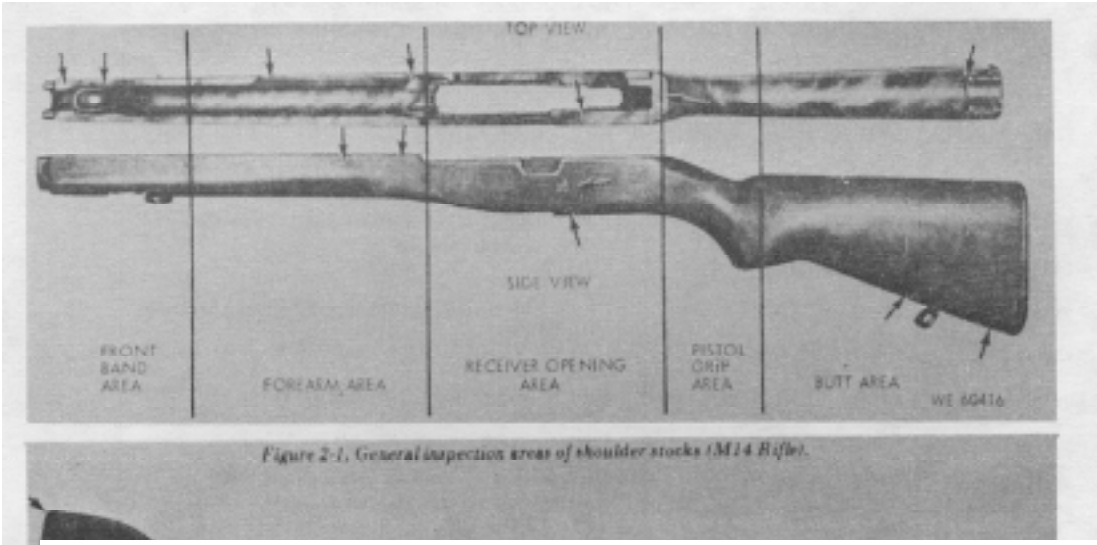


Figure 2-1. General inspection areas of shoulder stocks (M14 Rifle).

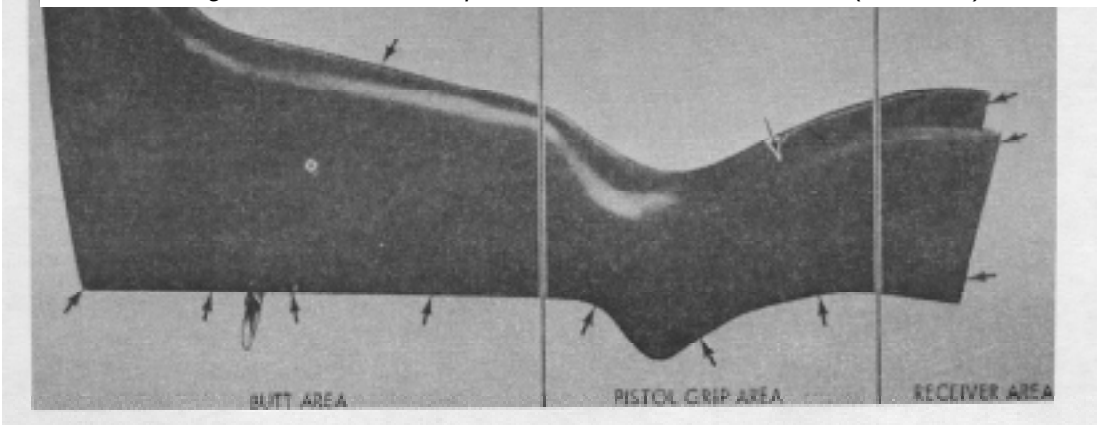


Figure 2-2. Inspection areas of fiber glass / plastic stocks (M79 Grenade Launcher).

CRITICAL AREA

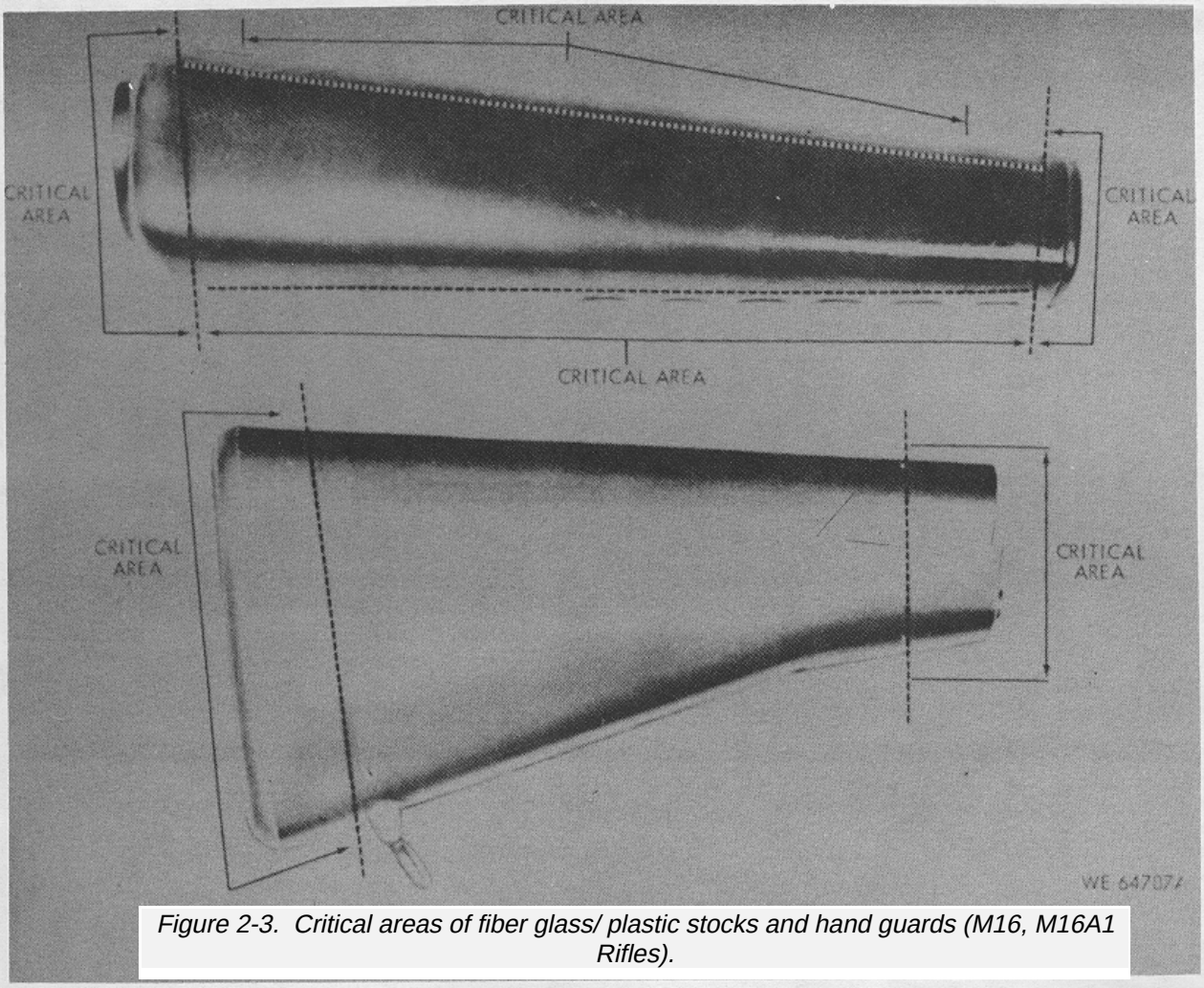


Figure 2-3. Critical areas of fiber glass/ plastic stocks and hand guards (M16, M16A1 Rifles).

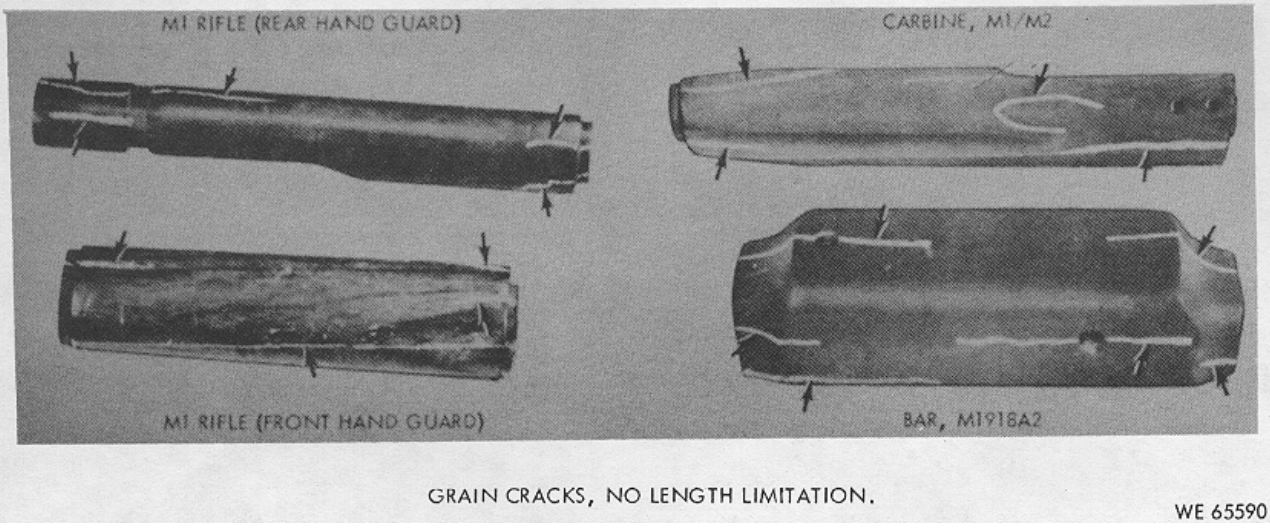


Figure 2-4. Types of repairable damage to wooden hand guards.

CHAPTER 3

REPAIR INSTRUCTIONS

Section I. GENERAL MAINTENANCE

3-1. General

This chapter provides instructions on direct support procedures for repairing or reinforcing wooden, fiber glass / plastic or plastic components.

3-2. Disassembly Procedures

Groups or assemblies will be disassembled in accordance with applicable publications listed below:

Weapon	Publication
Carbine, Cal..30, M1 and M2	TM 9-1005-210-35
Rifle, Cal..30, Automatic Browning, M1918A2	TM 9-1005-208-35
Rifle, Cal. .30, M1, M1C (Sniper's) and M1D (Sniper's)	TM 9-1005-222-35
Rifle, 7.62-MM, M14 and M14A1	TM 9-1005-223-35
Rifle, 5.56-MM, M16 and M16A1	TM 9-1005-249-34
Launcher, Grenade, 40-MM, M79	TM 9-1010-205-34

3-3. Selection of Type of Repair or Reinforcement

Selection of the type of repair or reinforcement to be used for unserviceable components must be made on an item basis, when the weapon is inspected at the direct support maintenance shop.

Section II. REPAIR OF WOODEN COMPONENTS

3-4. General

The repair of wooden components by using brass reinforcing screws and / or epoxy adhesive is authorized at direct support maintenance. The small arms repairman will determine if the damaged area will require the use of epoxy adhesive, reinforcing screws or both.

3-5. Non-Repairable Areas Refer to figure 3-1.

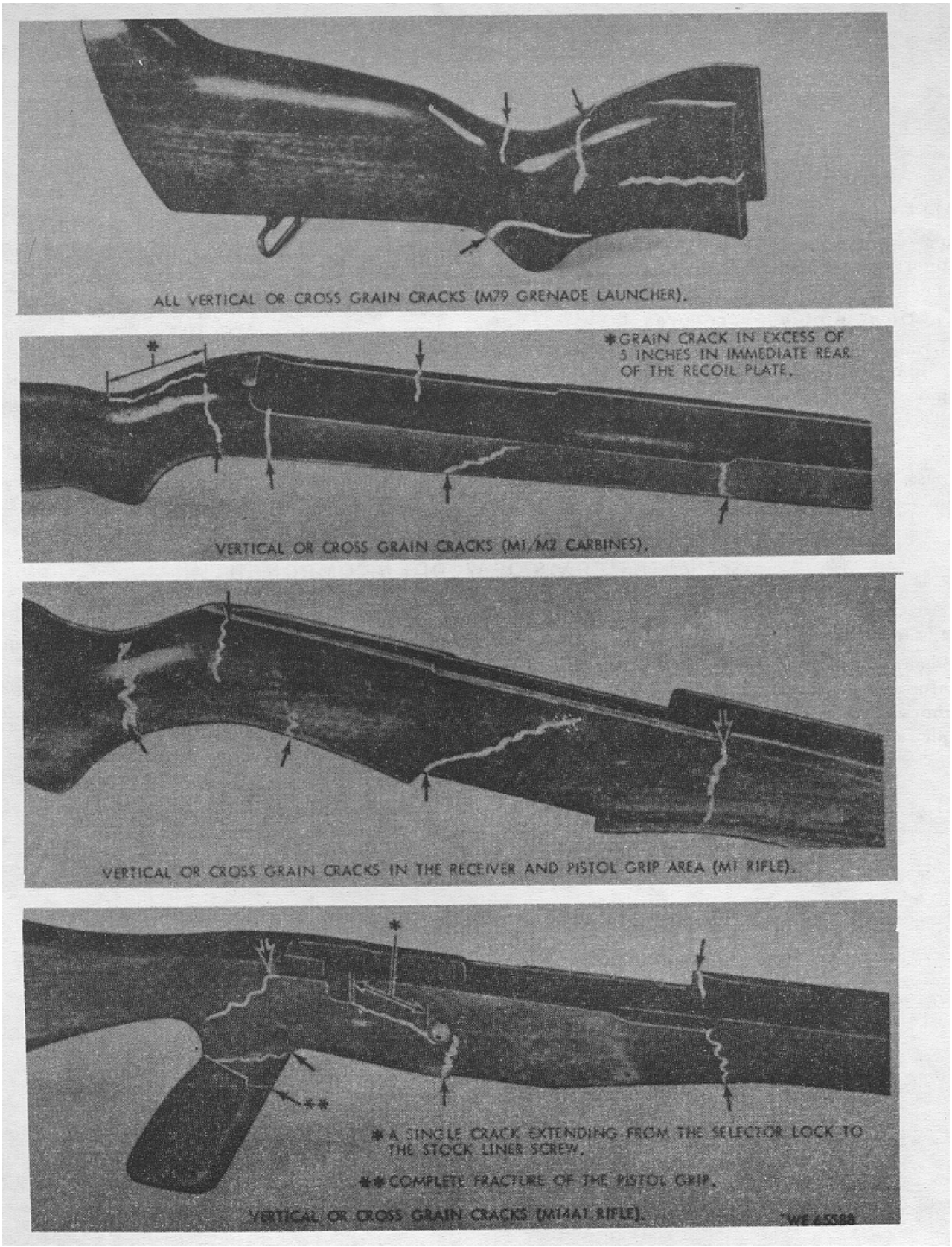


Figure 3-1. Types of non-repairable damage to wooden stocks.

3-6. Repairable Areas

Refer to figures 3-2 and 3-3.

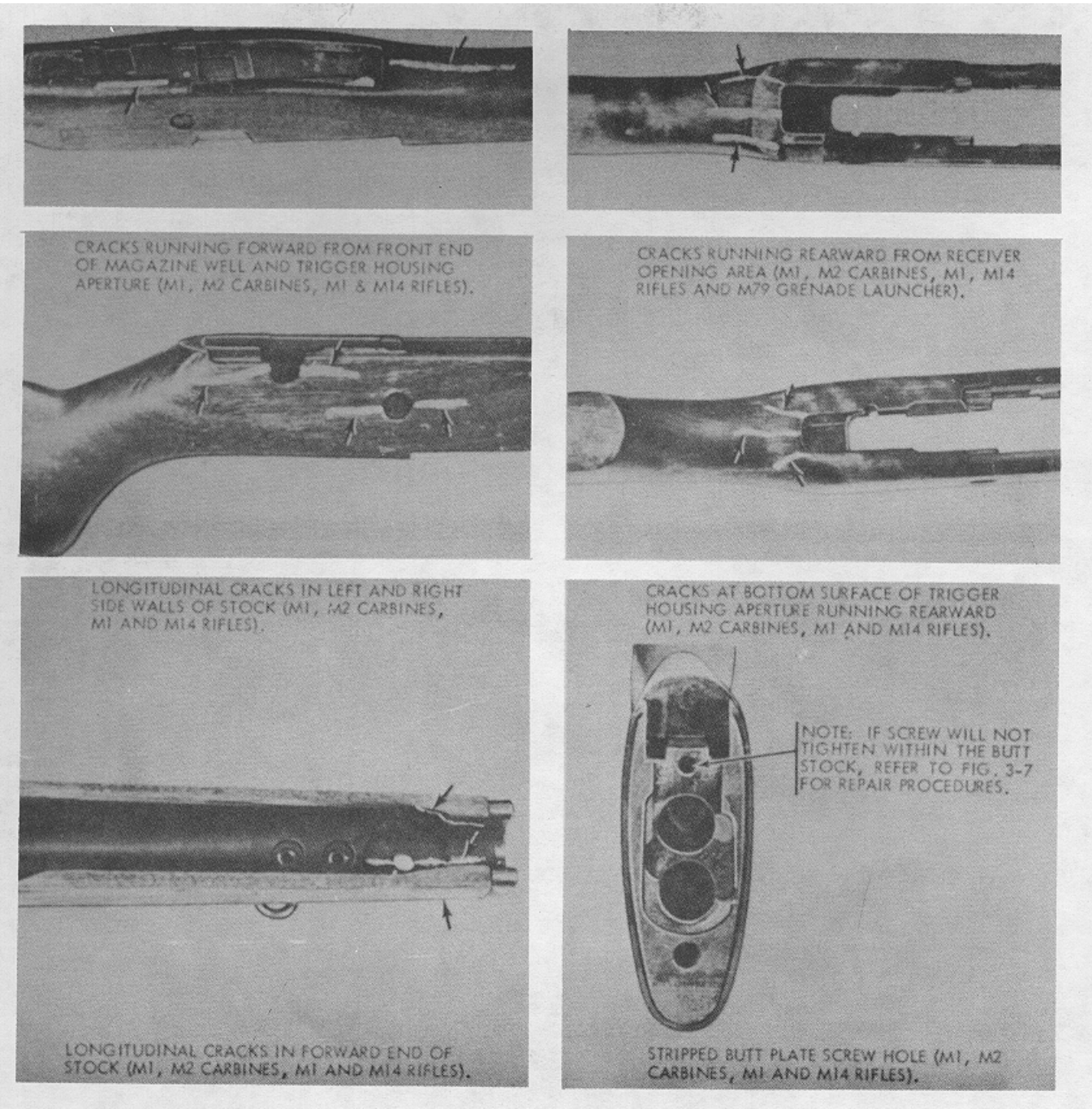


Figure 3-2. Types of repairable damage to wooden stocks. (1 of 2)

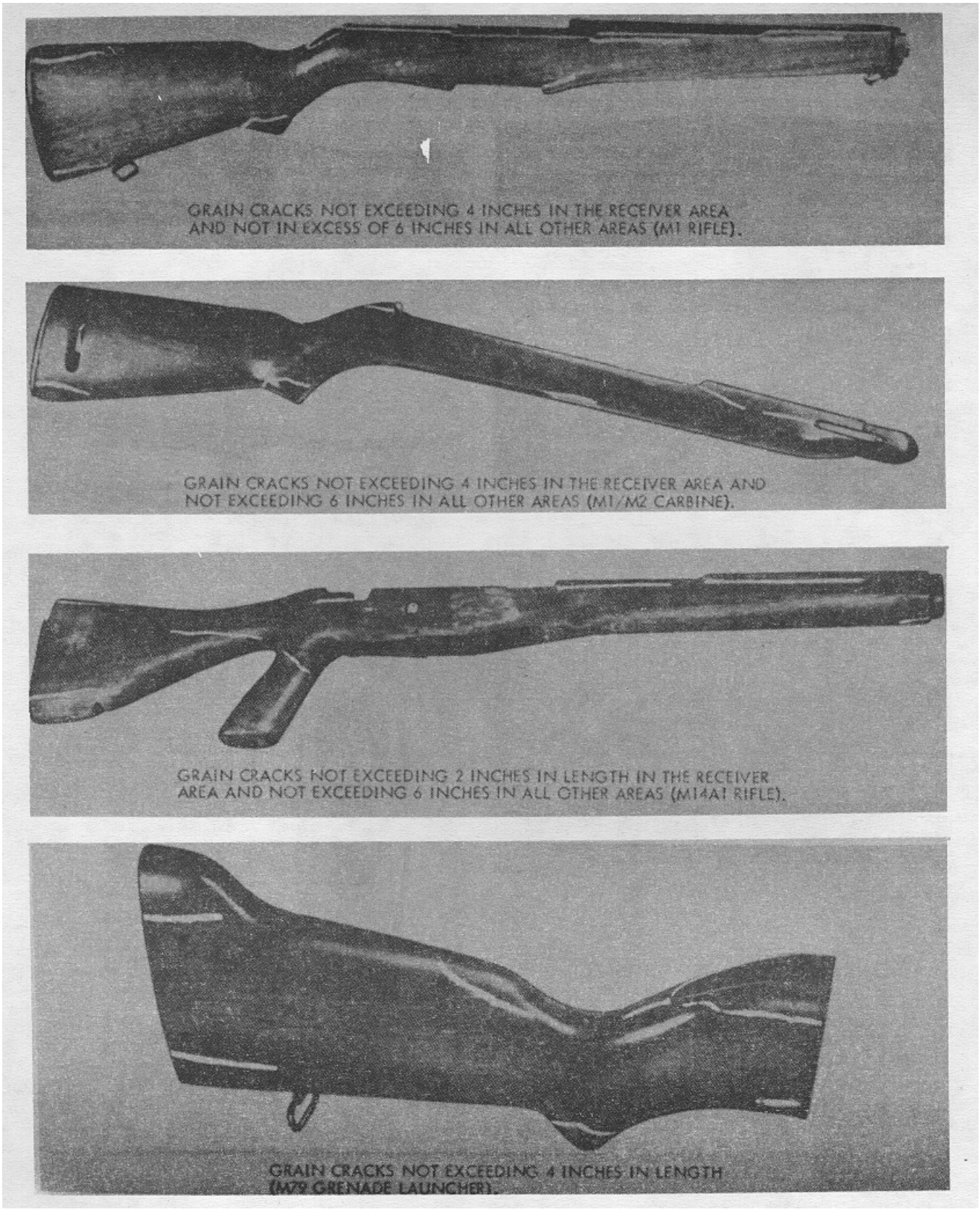


Figure 3-3. Types of repairable damage to wooden stocks. (2 of 2)

3-7. Procedure for Installing Reinforcing Screws

a. Generally, the large reinforcing screw is satisfactory for repairing thick cracks on wooden stocks. The small reinforcing screw should be used for repairing thin cracks on wooden stocks and hand guards.

b. Refer to figures 3-2 and 3-3 to determine if screws can be used to repair component. (When epoxical adhesive and screws are both used, refer to paragraph 3-8c thru f.)

c. Place component on smooth, flat surface. Drill screw holes as required. Use No. 55 drill (0.052 in.) for small screw 7190954 and No. 46 drill (0.081 in.) for large screw 5233523.

d. Install applicable screw by gripping in the chuck of a hand drill and insert in component being repaired (fig 3-4).

NOTE

If a hand drill is not available, use pliers.

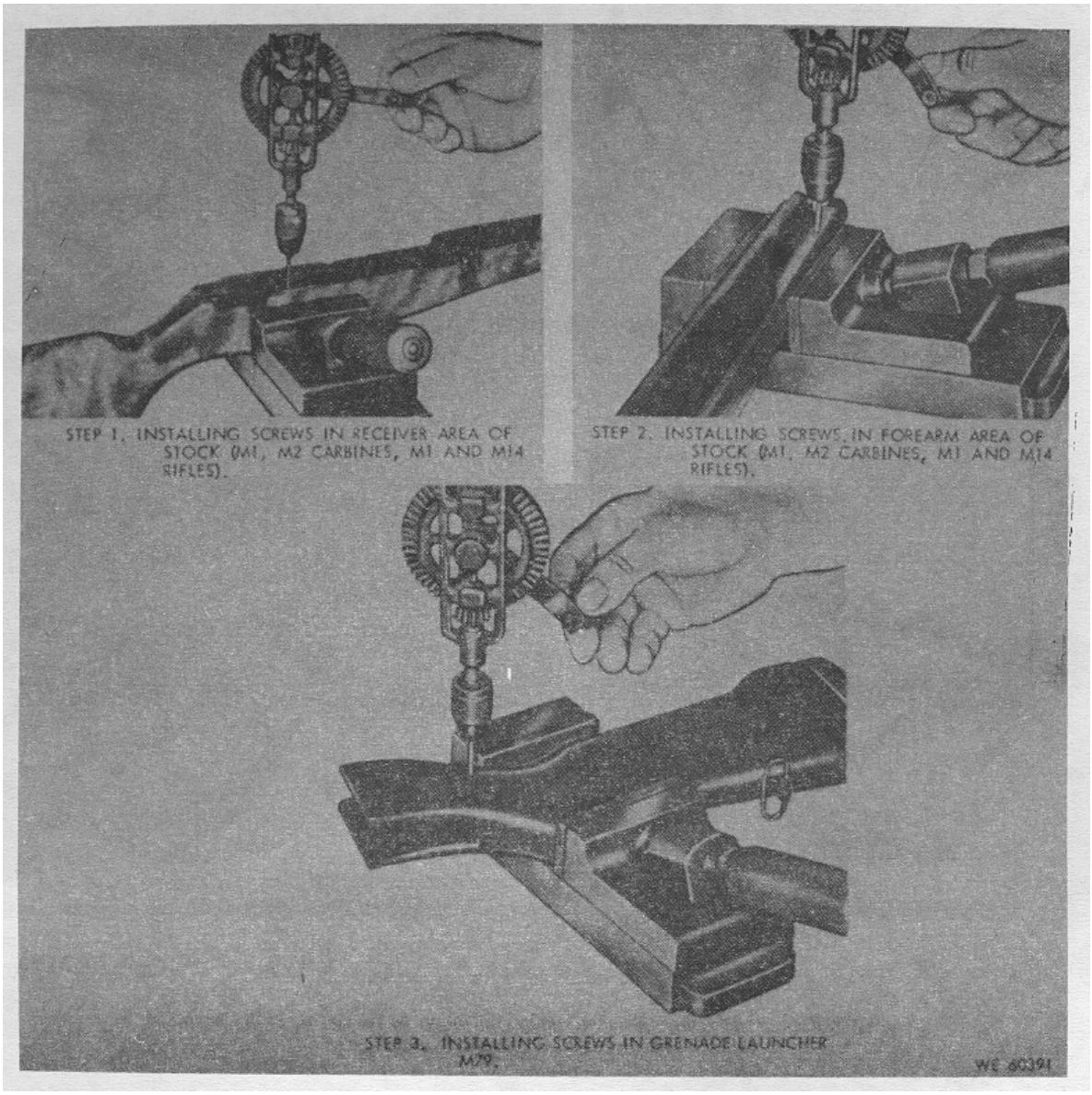


Figure 3-4. Repairing damaged wooden stocks using reinforcing screws.

e. Cut off screw and file flush so rough edges do not protrude.

3-8. Repairing Damaged Wooden Components Using Epoxy Adhesive

a. Place component in a vise. Use a wooden block to prevent item from being damaged.

b. Clean crack of dirt and grease.

c. Proceed with repair as indicated in figure 3-5. The method of spreading the crack prior to inserting the adhesive is the same on all weapons having wooden stocks.

d. Remove excess adhesive.

e. Keep separated areas tight in the vise until adhesive hardens.

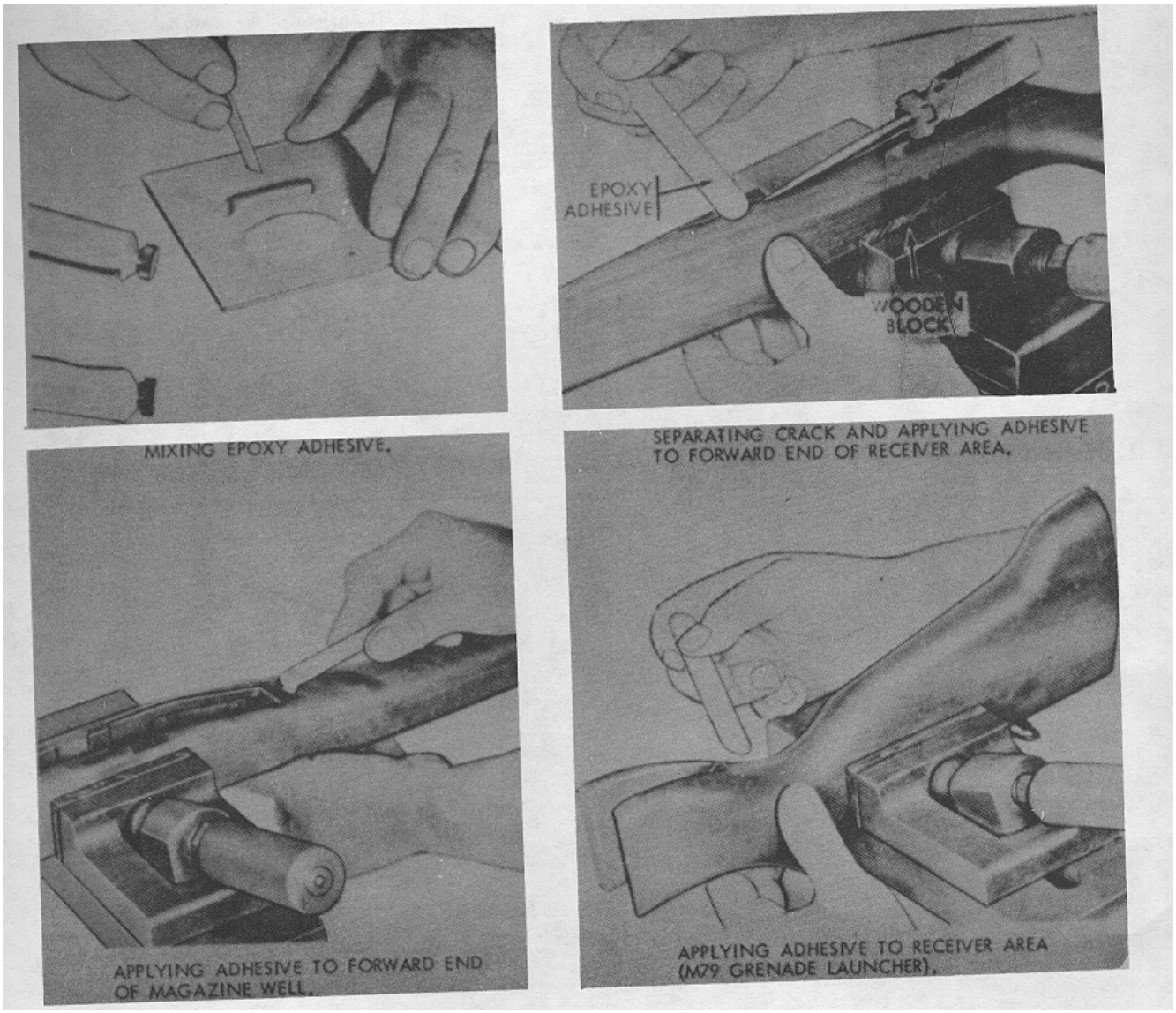


Figure 3-5. Repairing damaged, wooden stocks with epoxy adhesive (M1, M2 Carbines, M1, M14 Rifles and M79 Grenade Launcher).

f. Repair wooden hand guards (fig 3-6). Hand guards can be repaired using epoxy adhesive and / or brass reinforcing screws. Unless the separation is extreme, epoxy adhesive alone will suffice to affect the repair of all hand guards, providing adequate clamping facilities are available.

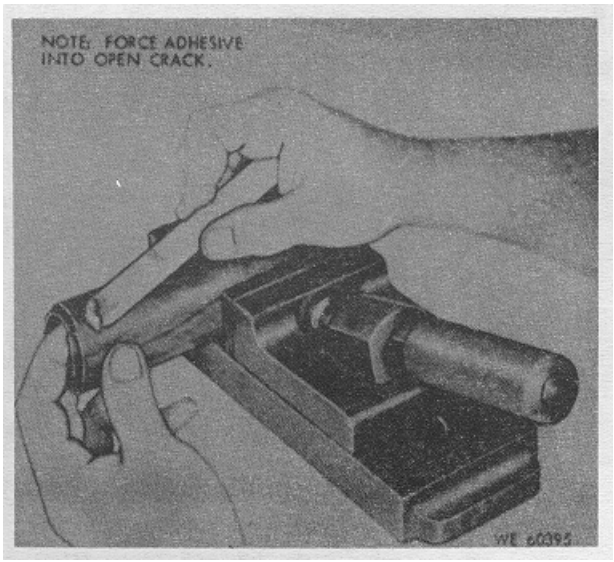


Figure 3-6. Repairing damaged wooden hand guard using epoxy adhesive (Ml Rifle).

3-9. Repairing Damaged Wooden Components Using - Epoxy Adhesive and Reinforcing Screws

a. If it is determined that the use of epoxy and reinforcing screws are required to effect repair, the screw holes must be drilled prior to mixing the adhesive.

b. The screw will be installed after the adhesive has been inserted into the crack.

c. The screws generally provide adequate clamping force. The use of a vise or clamp is optional.

3-10. Procedure for Repairing Stripped Butt Plate Screw Holes (Fig 3-7).

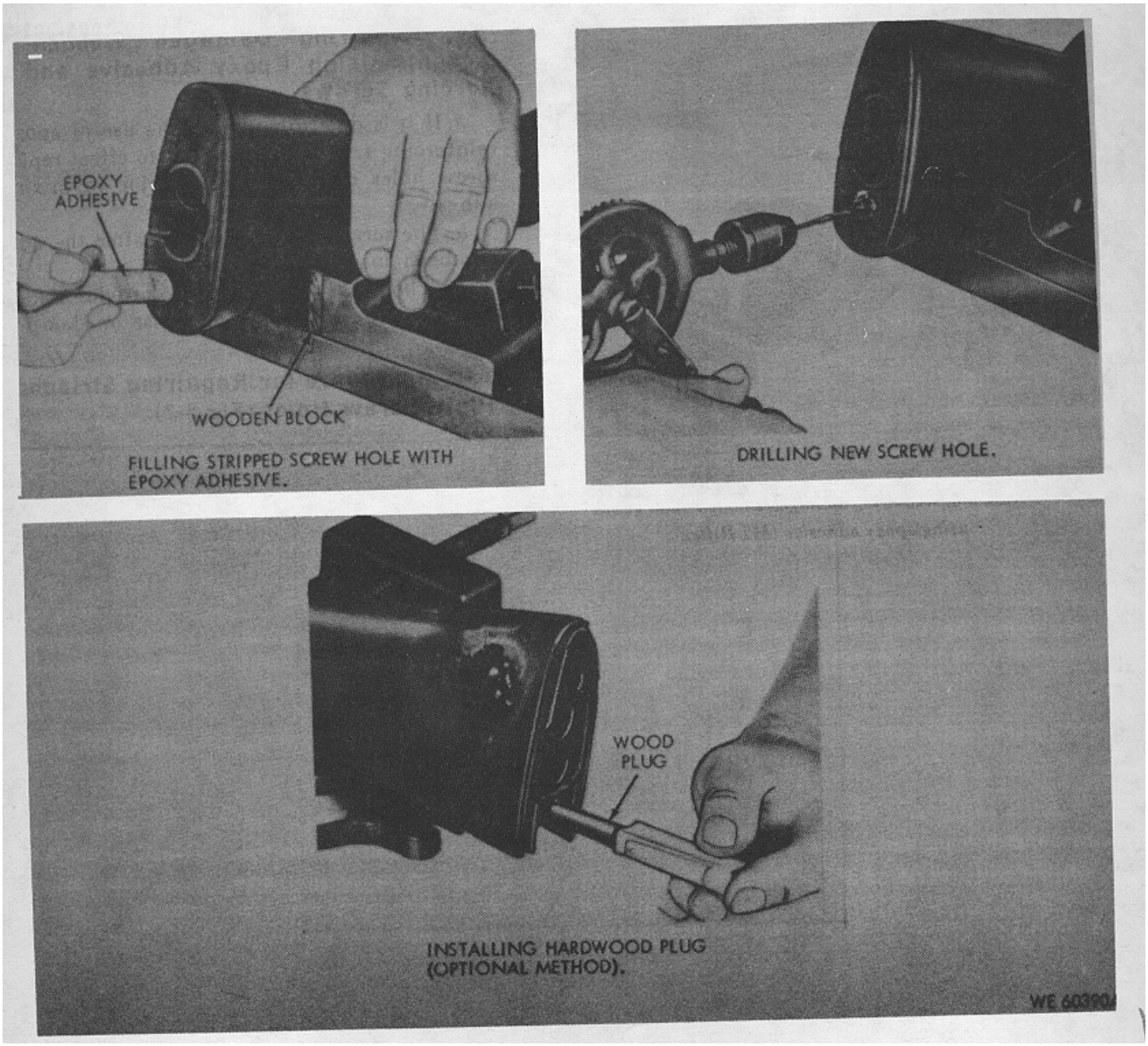


Figure 3-7. Repairing striped butt plate screw hole (M1, M2 Carbine, and M1, M14 Rifles).

a. Using Adhesive (M1 / M2 Carbines, M1 and M14 Rifles).

(1) Using a 5/16 inch drill (.312), enlarge the stripped holes to the original depth.

(2) Fill the hole with epoxy adhesive, forcing the mixture into the hole to insure that the hole is completely filled.

(3) Allow the adhesive to harden.

(4) Redrill the hole using a drill 1/16 inch smaller than the original screw.

(5) Install the butt plate and install the screw.

b. Using Hardwood Plug and Adhesive (M1/M2 Carbines, M1 and M14 Rifles).

(1) Using a 7/16 inch drill, enlarge the original hole to a depth of one inch. Coat a 3/8 inch hardwood plug with epoxy adhesive and insert into the enlarged hole.

(2) Allow the adhesive to harden, then cut off excess doweling.

(3) Redrill the hole using a drill 1/ 16 inch smaller than the original screw.

(4) Install butt plate and install screw.

Section III. REPAIR OF FIBER GLASS/ PLASTIC OR PLASTIC COMPONENTS

3-11. General

Fiber glass / plastic or plastic components can be repaired with a mixture of epoxy adhesive or an epoxy resin mixture and fiber glass tape. Refer to tables 2-1 and 2-2 for required materials.

3-12. Non-Repairable Areas for Fiber Glass and/or Plastic Stocks

Refer to figures 3-8 thru 3-11.

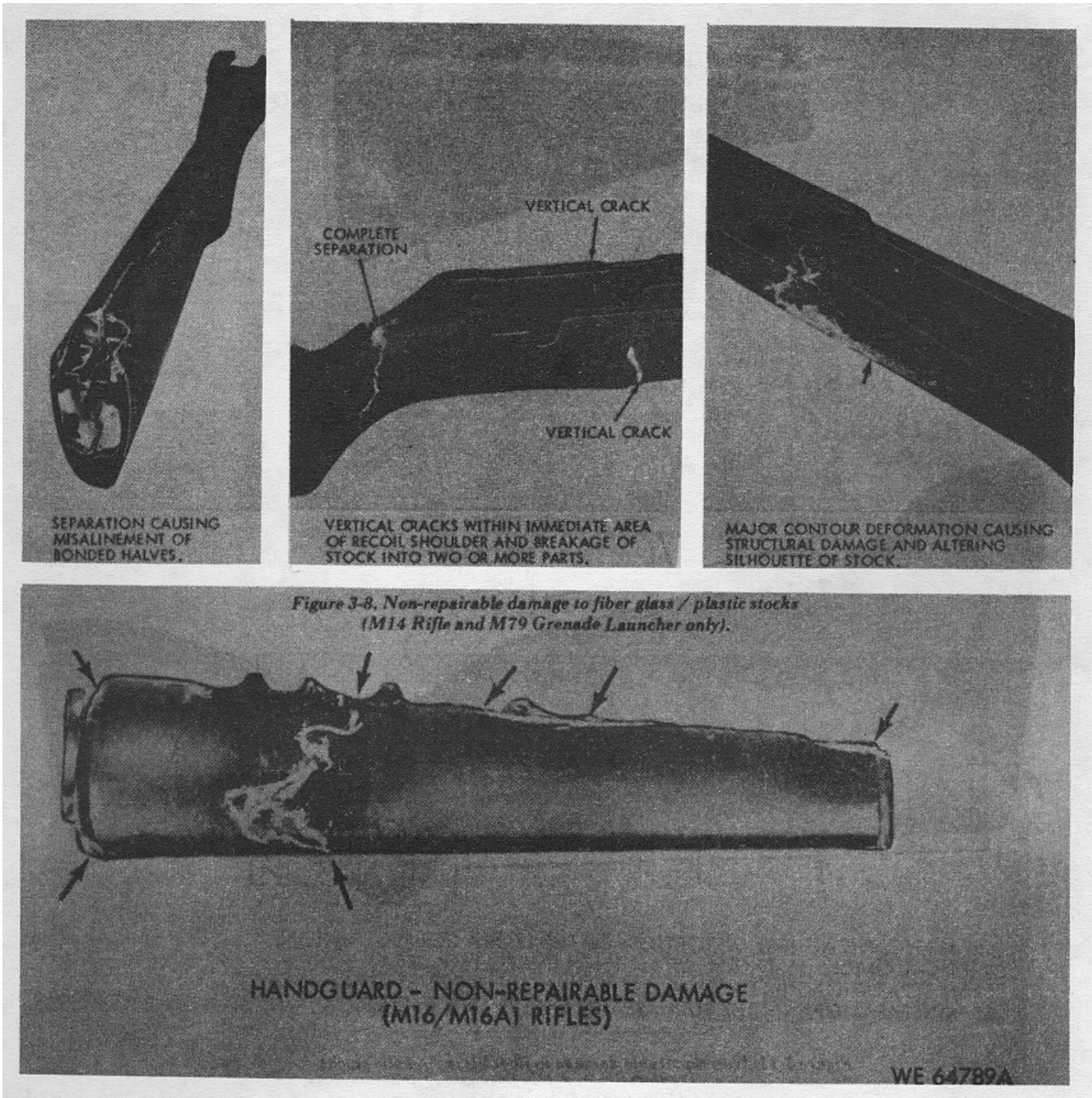


Figure 3-8. Non-repairable damage to fiber glass / plastic stocks (M14 Rifle and M79 Grenade Launcher only).

Figure 3-9. Non-repairable damage t fiber glass /plastic hand guard.

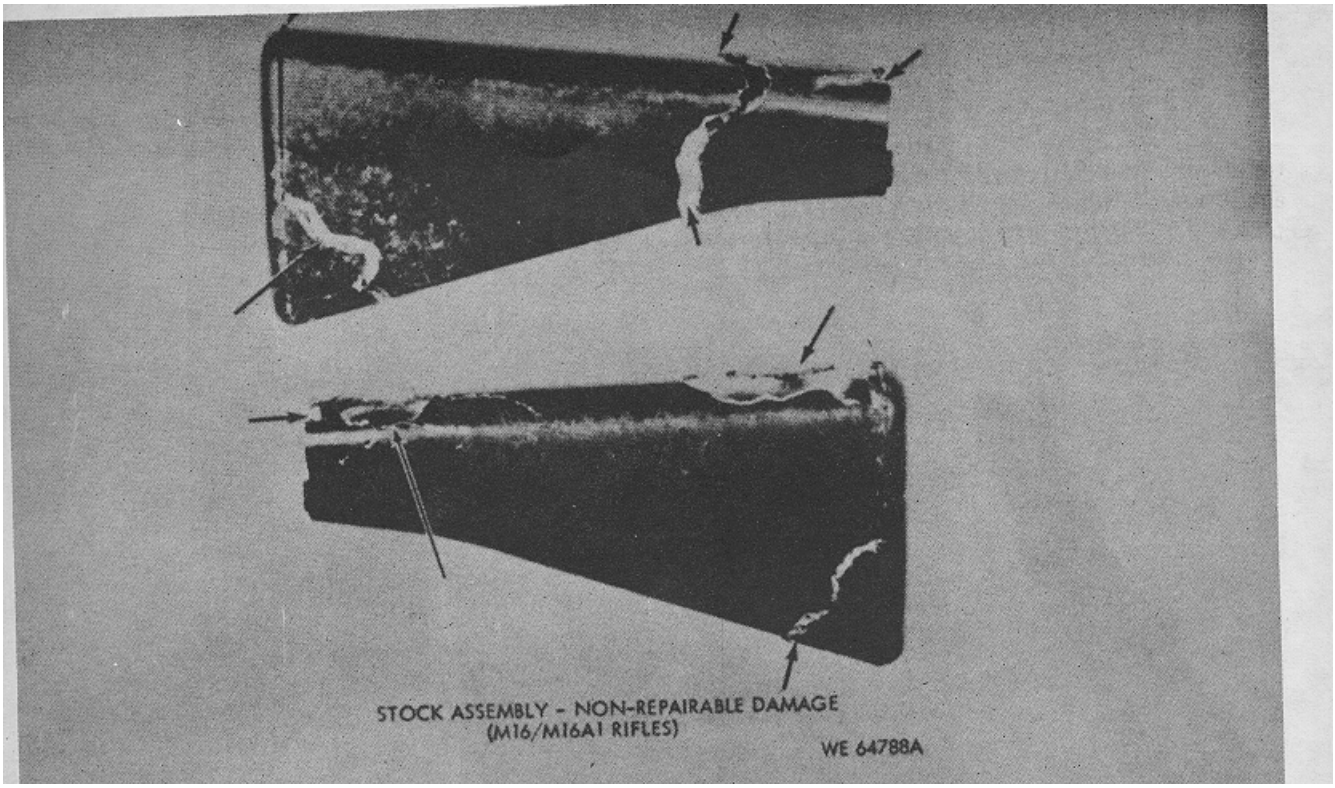


Figure 3-10. Non-repairable damage to fiber glass/plastic stock assemblies.

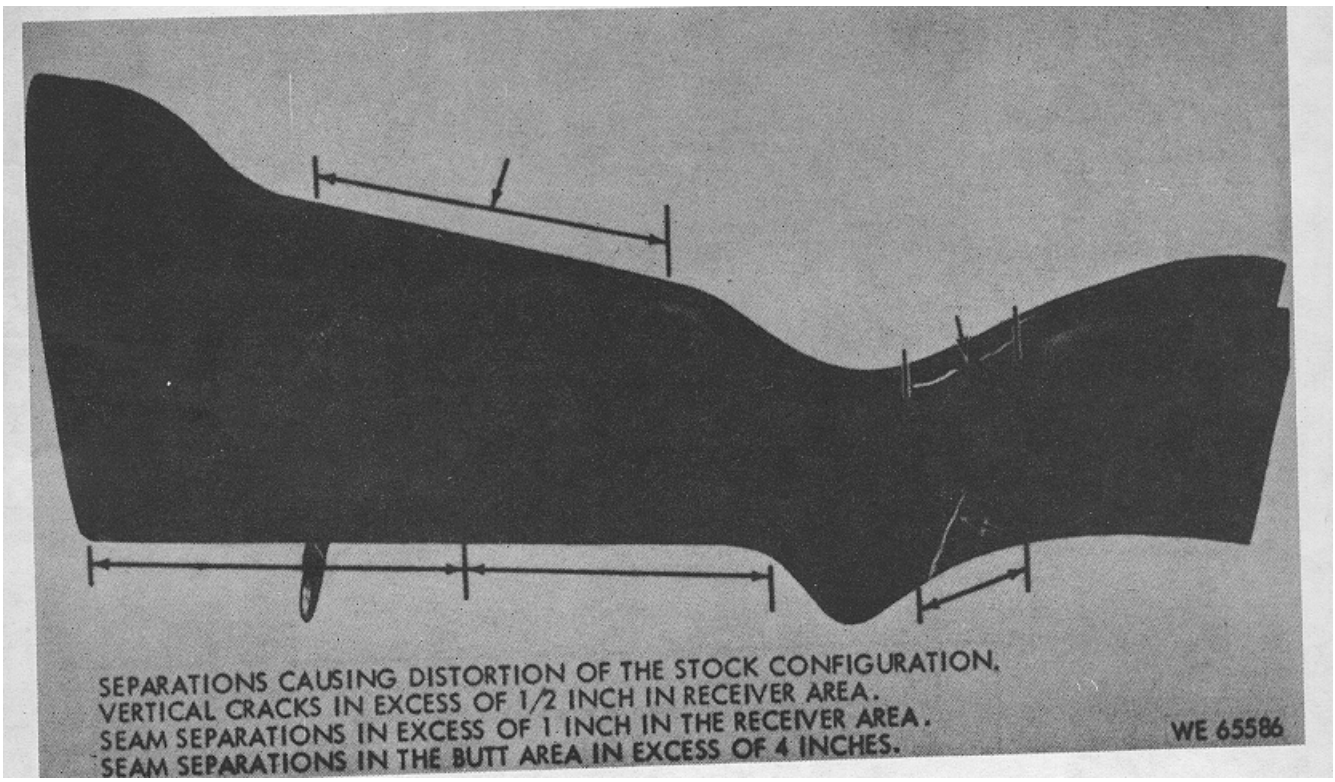


Figure 3-11. Non-repairable damage to fiber glass /plastic stocks (M79 Grenade Launcher).

3-13. Repairable Areas for Fiber Glass and/or Plastic Stocks and Hand Guards

Refer to figures 3-12 thru 3-15.

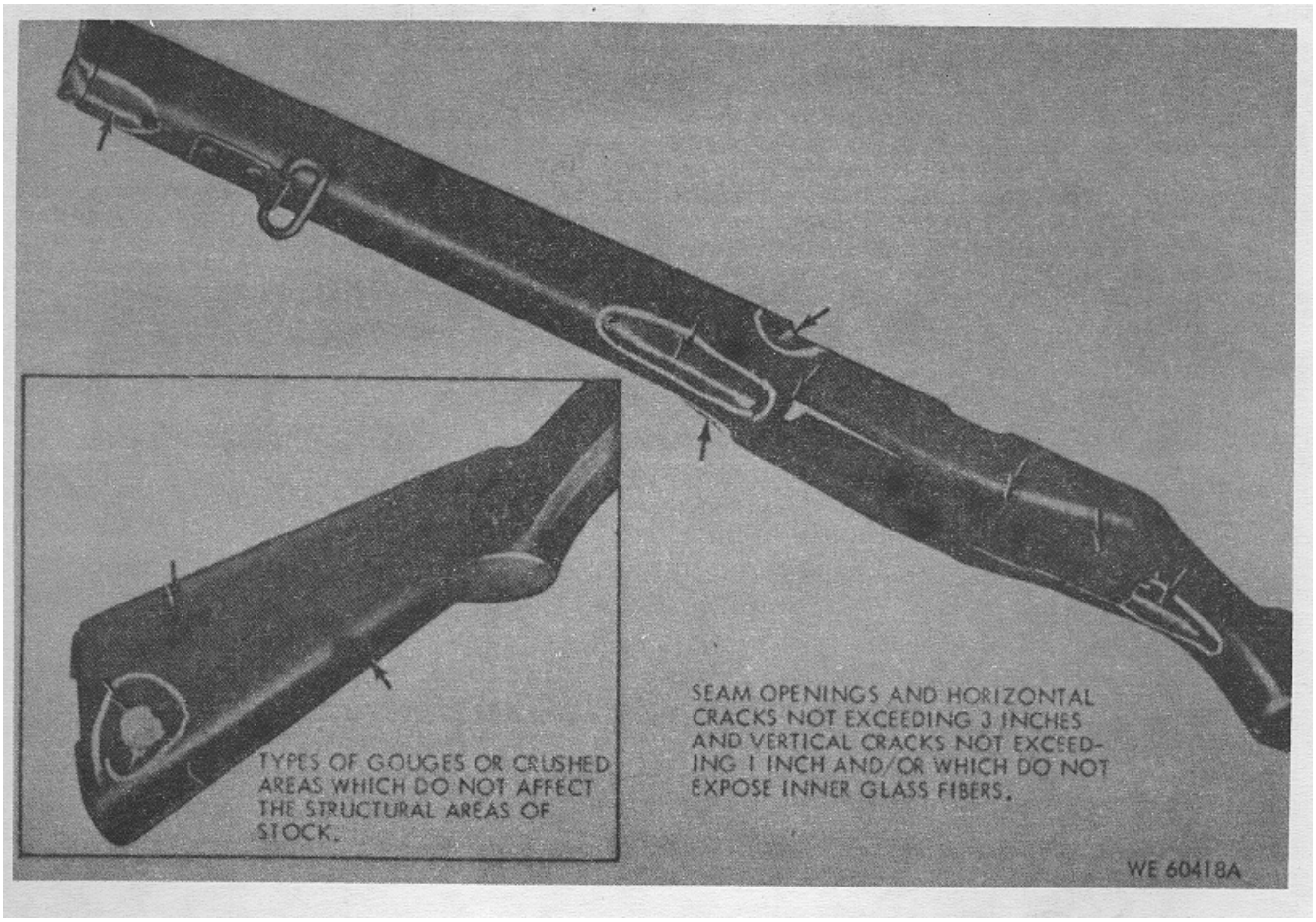


Figure 3-12. Repairable damage to fiber glass/plastic components (M14 Rifle).

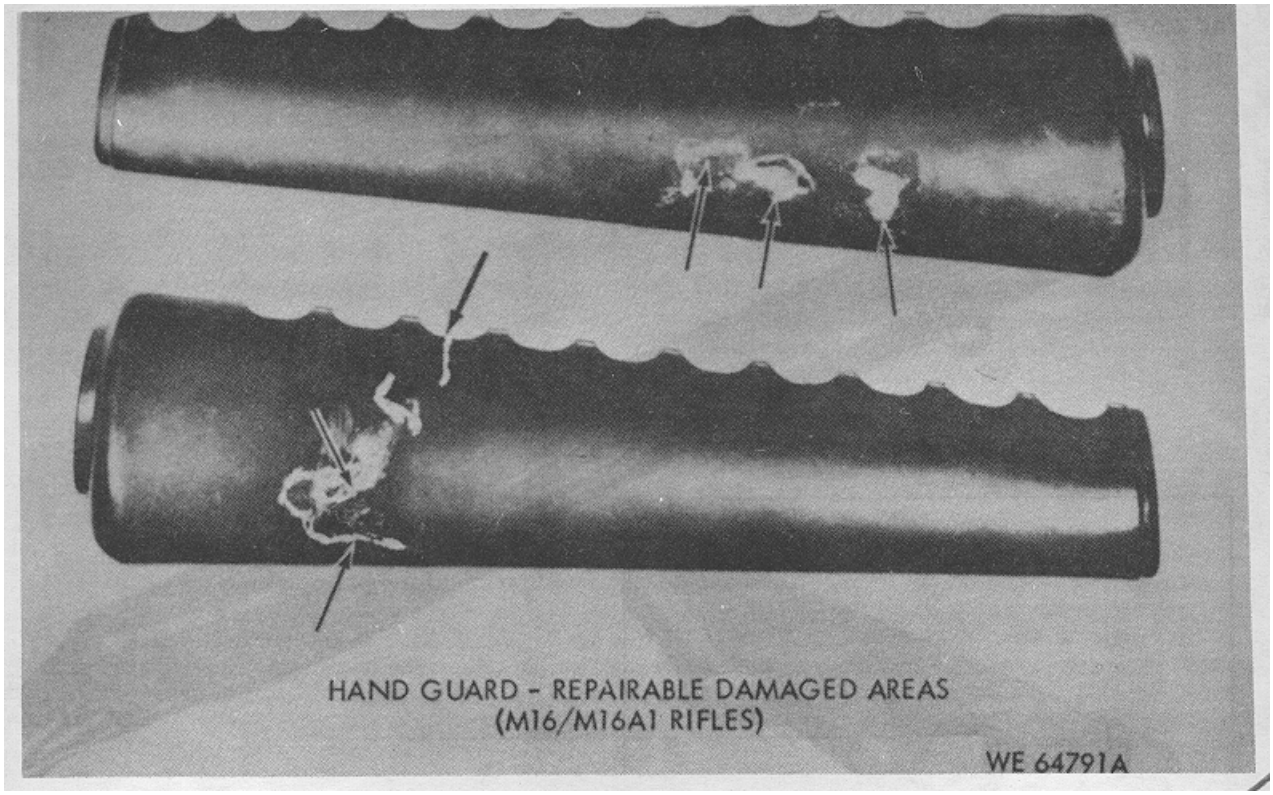


Figure 3-13. Repairable damage to fiber glass/plastic hand guards.

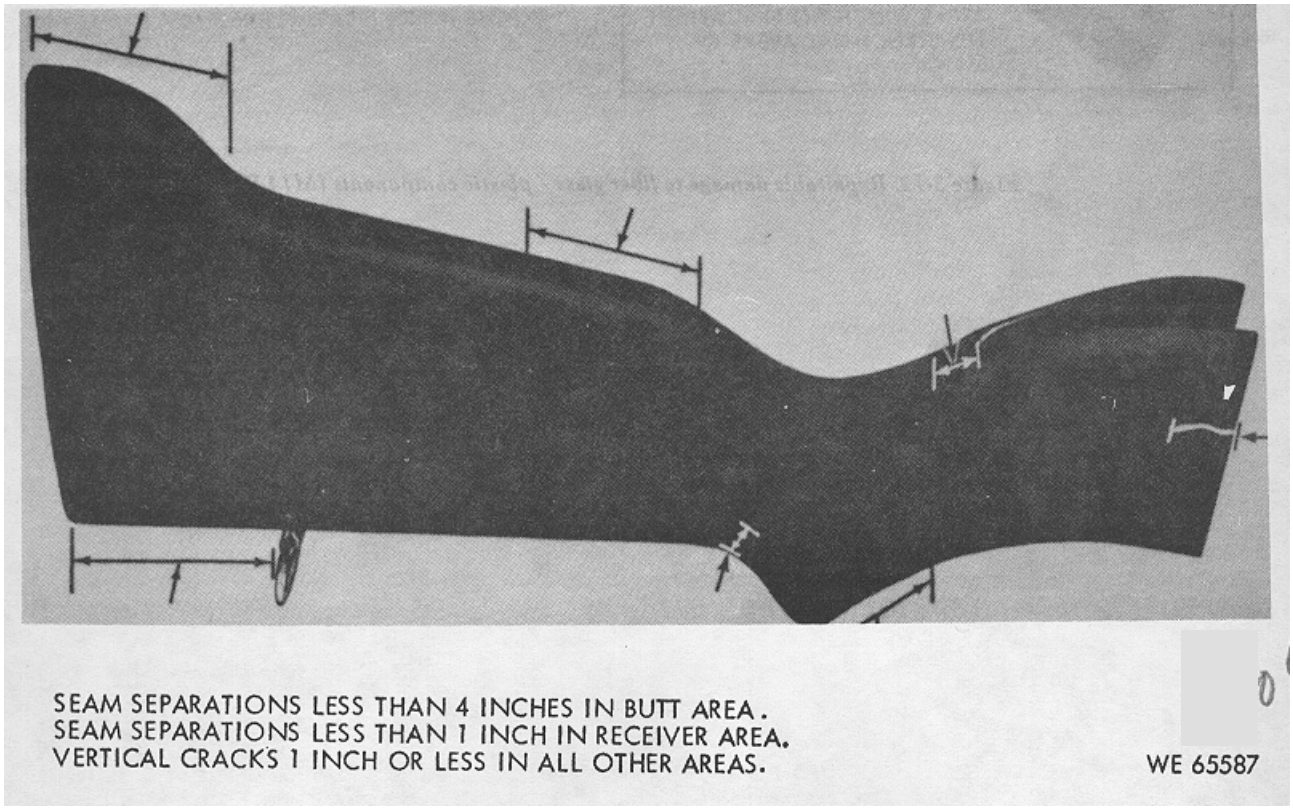


Figure 3-14. Repairable damage to fiber glass / plastic stocks (M79 Grenade Launcher).

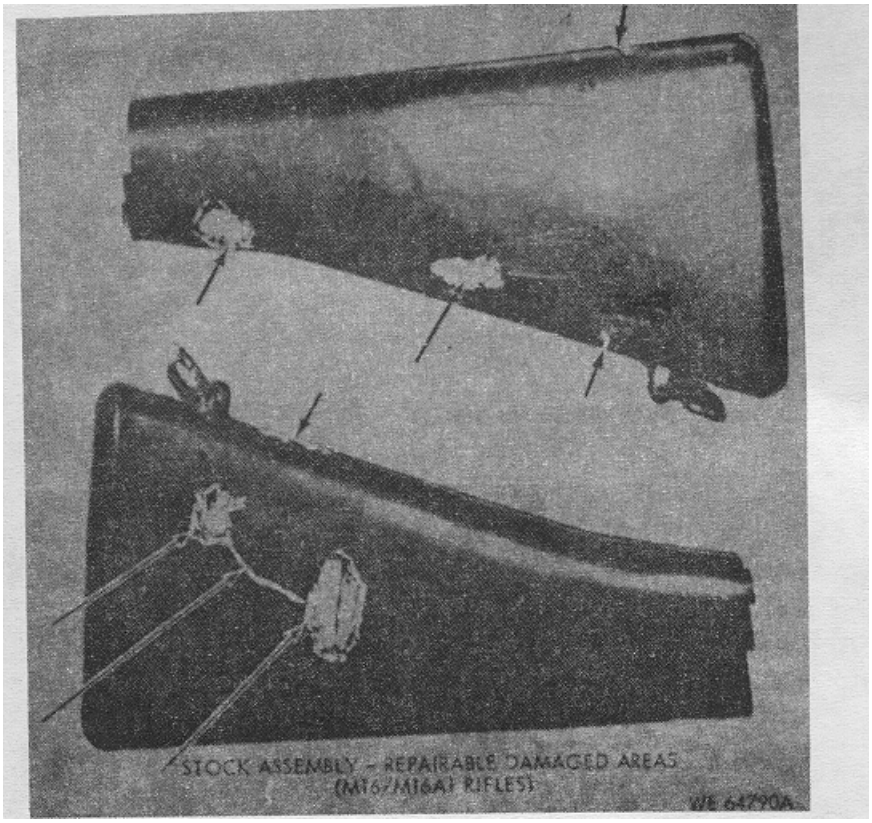


Figure 3-15. Repairable fiber glass/plastic stock assemblies.

3-14. Repair of Fiber Glass and *I* or Plastic stocks and Hand Guards

a. Seam Opening.

(1) Rout the open seam to a depth of not more than 1/8 inch using file, chisel, end mill or comparable cutting tool (step 1, fig 3-16).

(2) Remove all residue; mix epoxy adhesive and force into routed area. Permit the mixture to protrude slightly above the filled area.

(3) Allow the epoxy adhesive to harden and file excess adhesive flush with the surrounding area.

b. Gouges, Dents or Crushed Areas.

(1) Remove all residue from within the damaged area (step 2, fig 3-16). Use dry cleaning solvent (SD), if necessary.

(2) Apply the adhesive mixture; allow to harden and file flush with surrounding area (steps 4, 5 and 6, fig 3-16).

(3) If the damage extends into the stowage holes of the M14 stock, a wooden dowel of appropriate size can be lightly oiled and inserted into the stowage hole. The epoxy adhesive will form to the contour of the pin and the stowage hole will not be clogged.

(4) After adhesive has hardened, remove dowel pin.

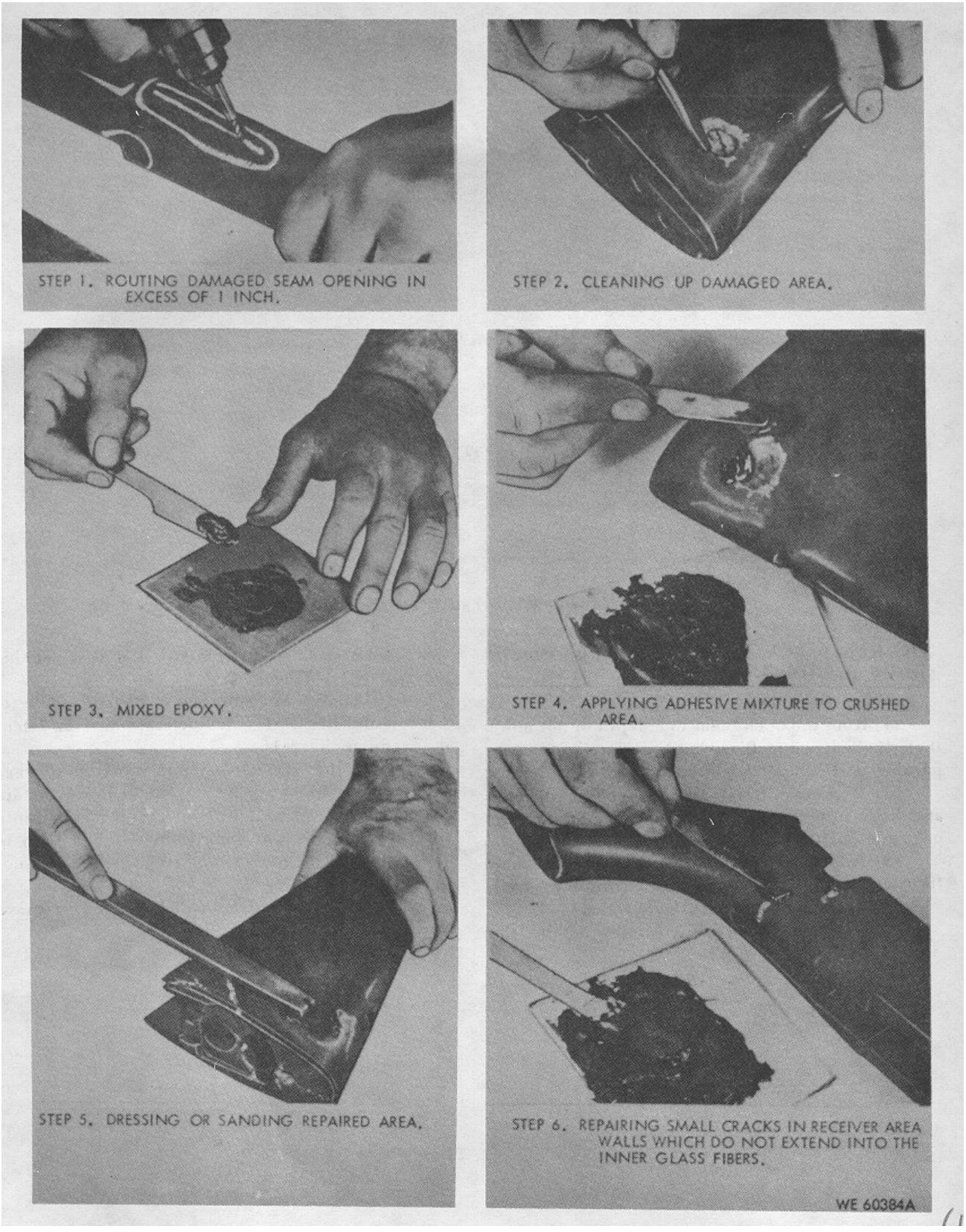


Figure 3-16. Repairing fiber glass / plastic stocks with epoxy adhesive (M14 Rifle and M79 Grenade Launcher).

3-15. Repair of Fiber Glass/ Plastic Stocks Using Fiber Glass Tape and Epoxy Resin (Upper Sling Swivel Area Front and Rear, M14 Only)

a. Cut the 1½ inch fiber glass tape so that it extends approximately 1/2 inch on each side of the stock.

b. Roughen the immediate area to be covered by the tape using at least 80 Grit Emery Paper.

c. Mix epoxy resin and the hardener; apply the mixture to the roughened area. Affix the fiber glass tape to the resined area (fig 3-17). Make certain the tape is thoroughly saturated with the resin mixture.

d. Allow the resin mixture to harden before removing excess tape. Dress the rough edges with emery paper or a file to blend with the surrounding area.

NOTE

To facilitate the hardening of mixture, infrared heat lamps may be used.

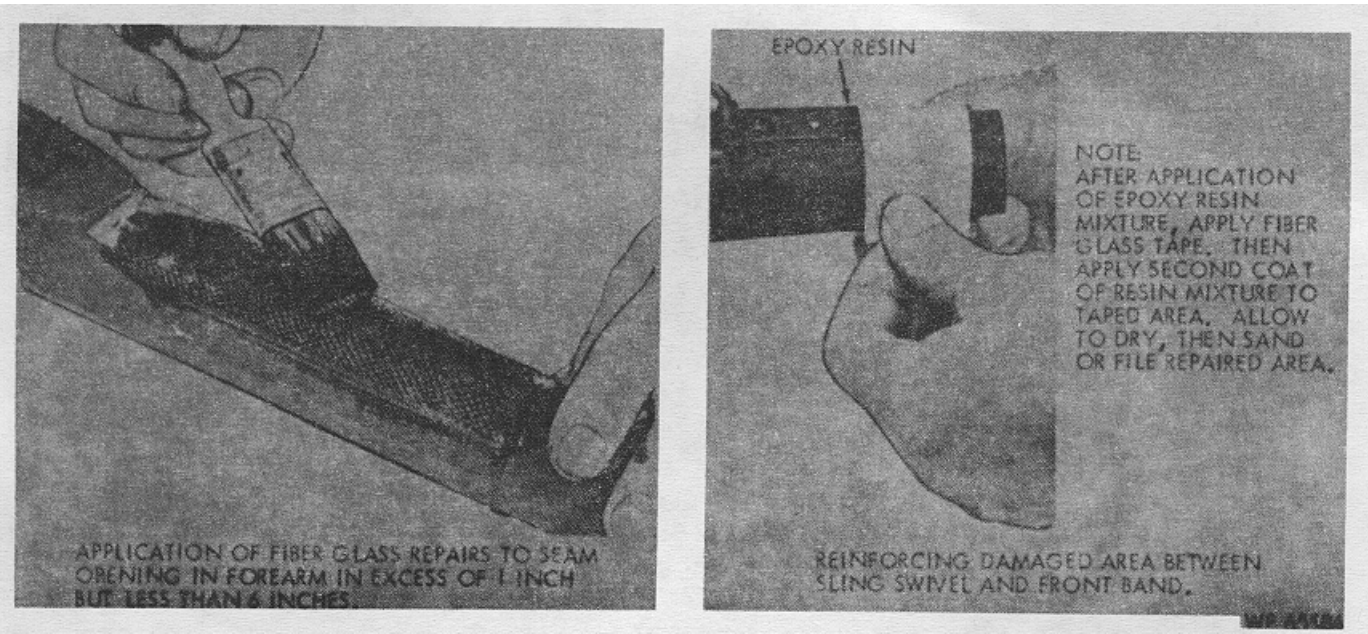


Figure 3-17. Repairing fiber glass/plastic stocks with epoxy adhesive and fiber glass tape (M14 Rifle).

3-16. Repair of Plastic Stocks and Hand Guards with Epoxy Adhesive (M16, M16A1 Rifles)

a. Stock assemblies that contain gouges, dents, punctures and crushed areas (fig. 3-15) can be repaired using the procedures indicated below:

NOTE

Remove all dirt and grease from the stock assembly prior to repair. Use dry cleaning solvent (SD), if necessary.

(1) Stock assemblies damaged as indicated in figure 3-10 will be replaced.

(2) Remove plastic from the damaged area exposing the styrofoam filler.

(3) Slightly undercut the edges of the damaged plastic to permit the adhesive to expand under the edges of the area being repaired.

(4) Mix resin and hardener of epoxy adhesive in accordance with manufacturer's directions.

(5) Using a spatula, putty knife or screwdriver blade, apply adhesive to area being repaired (step 1, figure 3-18). Force the adhesive into the damaged area to eliminate air bubbles which may
be trapped under adhesive.

(6) Allow approximately one hour to harden (cure), depending upon climate conditions.

(7) Using a flat medium cut file or No. 80 grit emery paper, remove the excess adhesive until flush with the stock surface (step 3, figure 3-18).

(8) Apply approved black lacquer to repaired area.

NOTE

In some cases it may be necessary to paint the entire stock to achieve an uniform appearance.

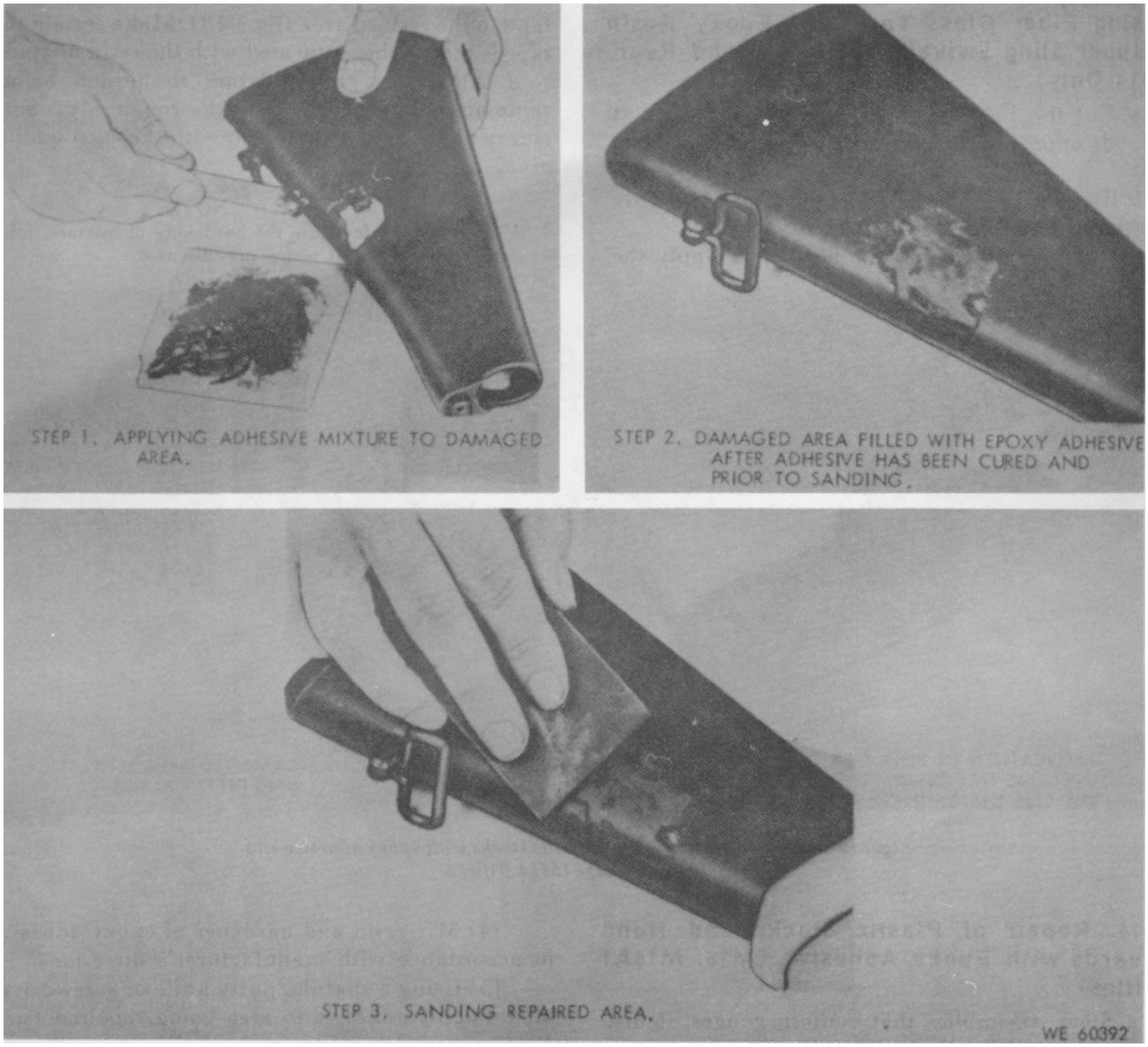


Figure 3-18. Repairing fiber glass / plastic stocks with epoxy adhesive (M16, M16A1 Rifles).

b. Hand guards (M16 and M16A1 only) containing punctures, dents, gouges and crushed areas not exceeding two inches in length and /2 inch in diameter, at the widest point (fig 3-13), can be repaired using epoxy adhesive and the same procedures as for the stock assembly. Hand guards badly damaged as indicated in figure 3-9 will be replaced.

NOTE

The hand guard does not have a foam filler and in case of deep indentations not causing distortion of the hand guard liner, it is advisable not to remove the damaged plastic prior to repair. The hand guard will be repaired as follows:

(1) Using a coarse emery paper or end of file, roughen the surface of damaged area and the interior of hand guard, around damaged area. Mix and apply adhesive the same as for repair of stock assembly.

(2) Sand or file the filled area flush with surrounding surface.

Section IV. FITTING PROCEDURES FOR WOODEN, FIBER GLASS/ PLASTIC OR PLASTIC COMPONENTS

3-17. General

Minor alterations, generally referred to as fitting procedures will be made, as required, on wooden, fiber glass / plastic or plastic components to insure that each weapon functions properly at all times.

3-18. Fitting Procedures

The following procedures are applicable to M1, M2 Carbines and M1, M14 Rifles unless otherwise indicated.
a. Firing Mechanism or Trigger Housing Group Binds in Stock (MI and M14 Rifles-Wooden or Plastic Stocks).

NOTE

Usually occurs where climate is humid and is due to an increased moisture content in the wood.

(1) Use medium flat file to remove light shavings or filings (resin) from the underside of stock along the bearing surface of trigger guard group until proper fit is obtained.

(2) As wood or plastic is removed, determine the force required to lock the trigger guard by frequent reassembly. The normal force required to close the trigger guard should not be excessive. The trigger guard must not be loose. Make certain the trigger guard latches properly.

CAUTION

Use extreme care to maintain the 100 angle and always remove the same amount of wood or plastic from both sides of the stock. Always file toward the sharp edges'

b. Insufficient Clearances at Rear End of Trigger Housing Notch. Use chisel or round file to remove wood or plastic as required until trigger action is free (M1 and M14 Rifles) (steps 1 and 2, fig 3-19).

c. Operating Rod Cut Binds on Stock Ferrule. Use rasp to relieve wood or plastic as required (M and M14 Rifles) (step c, fig 3-19).

d. Interference Between Stock and Connector Assembly (M14 Rifle Only).

(1) Hand function operating rod slowly, observing for contact between operating rod, connector assembly, and stock.

(2) Remove wood or plastic as required.

e. Loose Hand Guard Liner (MI and M2 Carbines).

(1) Place rivet head on a small steel rod punch clamped in a vise.

(2) Tighten rivets by spreading hollow (inner) ends with blunt punch. Support the opposite (beaded) end of rivet while tightening.

f. Front Band Does Not Seat Properly. This condition occurs when the shoulders of the stock or hand guard or both components are not cut back far enough or the liner is too long (M1 and M2 Carbines).

(1) Using fine flat file with a safe edge, file rear face of shoulder only (step 4, fig 3-19).

(2) File shoulders of the stock or hand guard at front of stock to insure proper seating and locking of the hand.

CAUTION

Do not file the hand guard liner too short or the hand guard will fly off when the carbine is fired.

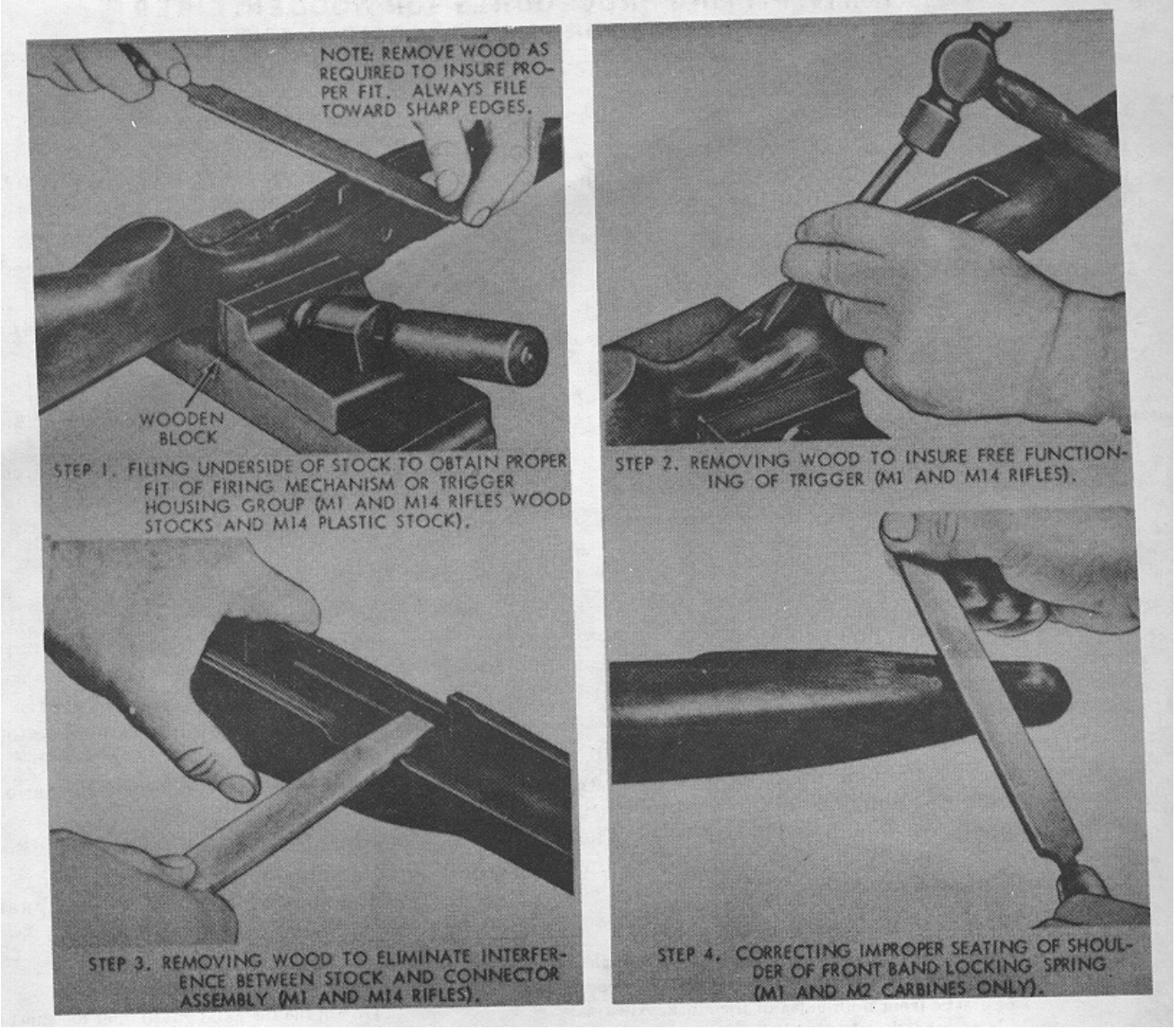


Figure 3-19. Fitting Procedures.

NOTE

After repair and fitting is accomplished, the rifles must be inspected as follows: Grasp the barrel in one hand and the small portion of the stock in the other hand. Use the push - pull method to check for receiver group looseness in the stock assembly. There should be no vertical or horizontal movement or looseness as between receiver and stock.

APPENDIX

REFERENCES

A-1. Publication Indexes

The following indexes should be consulted frequently for the latest changes or revision of references given in this appendix and for new publications relating to material covered in this manual.
Military Publications:

Index of Administrative Publications	DA Pam 310-1
Index of Army Motion Pictures and Related Audio-Visual Aids	DA Pam 108-1
Index of Blank Forms	DA Pam 310-2
Index of Doctrinal Training, and Organizational Publications	DA Pam 310-3
Index of Supply Catalogs and Supply Manuals (excluding types 7, 8 and 9)	DA Pam 310-6
Index of Technical Manuals, Technical Bulletins, Supply Manuals (types 7, 8 and 9), Supply Bulletins, and Lubrication Orders	DA Pam 310-4
U.S. Army Equipment Index of Modification Work Orders	DA Pam 310-7

A-2. Supply Catalogs

Tool Set, Direct and General Support Maintenance, Basic Small Arms (FSN 4933-775-0366)	SC 4933-95-CL-E04

A-3. Forms

The following form pertains to this material: DA Form 2028, Recommended Changes to DA Publications

A-4. Other Publications

The following explanatory publications pertain to this material:

a. General.

The Army Maintenance Management System (TAMMS)	TM 38-750

b. Related.

DS, GS, and Depot Maintenance Manual Including Repair Parts and Special Tools Lists Rifle, Caliber .30, Automatic, Browning, M1918A2	TM 9-1005-208-35
DS, GS, and Depot Maintenance Manual Including Repair Parts and Special Tools Lists Carbine, Caliber .30, M1, W / E (1005-670-7670), Carbine, Caliber .30, M2, W/E (1005-670-7675)	TM 9-1005-210-35
DS, GS and Depot Maintenance Manual Including Repair Parts and Special Tool Lists Rifle, Caliber .30, M1 (1005-674-1425) and M1C (Sniper's) W /E (1005-674-1430); Rifle, Caliber .30, MID (Sniper's) W/E (1005-674-1431)	TM 9-1005-222-35
DS, GS, and Depot Maintenance Manual Including Repair Parts and Special Tools Lists; Rifle, 7.62-MM: M14, W/E (1005-589-1271); Rifle, 7.62-MM: M14A1, W / E (1005-072-5011); Bipod, Rifle: M2 (1005-711-6202)	TM 9-1005-223-35
DS, GS Maintenance Manual Including Repair Parts and Special Tool Lists, Rifle 5.56-MM, M16, (1005-856-6885); Rifle 5.56-MM, M16A1, W/E (1005-073-9421); Bipod, Rifle, M3, W/Carrying Case (1005-890-2609)	TM 9-1005-249-34

Combined Organizational, DS, GS, and Repair Parts and Special Tools List for Launcher, Grenade, 40-MM: M79	TM 9-1010-205-24P
DS, GS, Maintenance Manual (Including Repair Parts and Special Tool Lists): Launcher, Grenade, 40-MM: M79	TM 9-1010-205-34

c. Cleaning.

Cleaning of Ordnance Materiel	TM 9-208-1

d. Inspection.

Standards for Oversea Shipment or Domestic Issue of Small Arms, Aircraft Armament, Towed Howitzers, Mortars, Recoilless Rifles, Rocket Launchers and Associated Fire Control Equipment	TB 9-1000-247-35

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DISTRIBUTION:

To be distributed in accordance with DA Form 12-40 Direct and General Support maintenance requirements for Carbine, Cal .30, M1, M2; Grenade Launcher, M79; Rifle, Cal .30, M1; Rifle, 5.56-MM, M16, M16A1 and Rifle 7.62-MM, M14 and M14A1.

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