STUDENT HANDOUT

M-134 DISASSEMBLY, ASSEMBLY, AND TROUBLESHOOTING

I/A 39-283-2
41-283-2
43-283-2
67-283-2
71-283-2

(PRACTICAL EXERCISE)

JANUARY 1970

UNITED STATES ARMY AVIATION SCHOOL
FORT RUCKER, ALABAMA

DEPARTMENT OF TACTICS
UNITED STATES ARMY AVIATION SCHOOL
FORT RUCKER, ALABAMA 36360

January 1970
File No. 39/41/43/
67/71-283-2

PERFORMANCE OBJECTIVES

M-134 DISASSEMBLY, ASSEMBLY, AND TROUBLESHOOTING

(Period one of two periods).

1. KNOWLEDGES: Without the aid of notes or references and without error, the student will be able to-

   a. List the type, operation, feed, weight, rate of fire, and effective range of the M-134.

   b. List the ten basic assemblies of the M-134.

2. SKILLS: Given the proper tools and without notes or error, the student will be able to disassemble the M-134.

(Period two of two periods).

1. KNOWLEDGES:

   a. List four of the six common causes of stoppages and corrective action.

   b. List six of the nine basic assemblies and their function of the MAU-56/A Delinking Feeder.

   c. List four of the five assemblies which cannot be immersed in cleaning solvent.

2. SKILLS: Given the proper tools and without notes or error, the student will be able to assemble the M-134.

NOTES

DEPARTMENT OF TACTICS
UNITED STATES ARMY AVIATION SCHOOL
FORT RUCKER, ALABAMA 36360

January 1970
File No. 39/41/67/
71-283-2

ADVANCE SHEET

M-134 DISASSEMBLY, ASSEMBLY, AND TROUBLESHOOTING

PURPOSE: This instruction is designed to briefly acquaint the student with the characteristics, nomenclature, basic assembly/disassembly of the M-134 machinegun, troubleshooting, cleaning and lubrication procedures.

DISCUSSION POINTS:

1. Description of weapon.

2. Basic assemblies.

3. Disassembly and assembly.

4. Troubleshooting.

5. Cleaning and lubrication.

STUDY ASSIGNMENT: None.

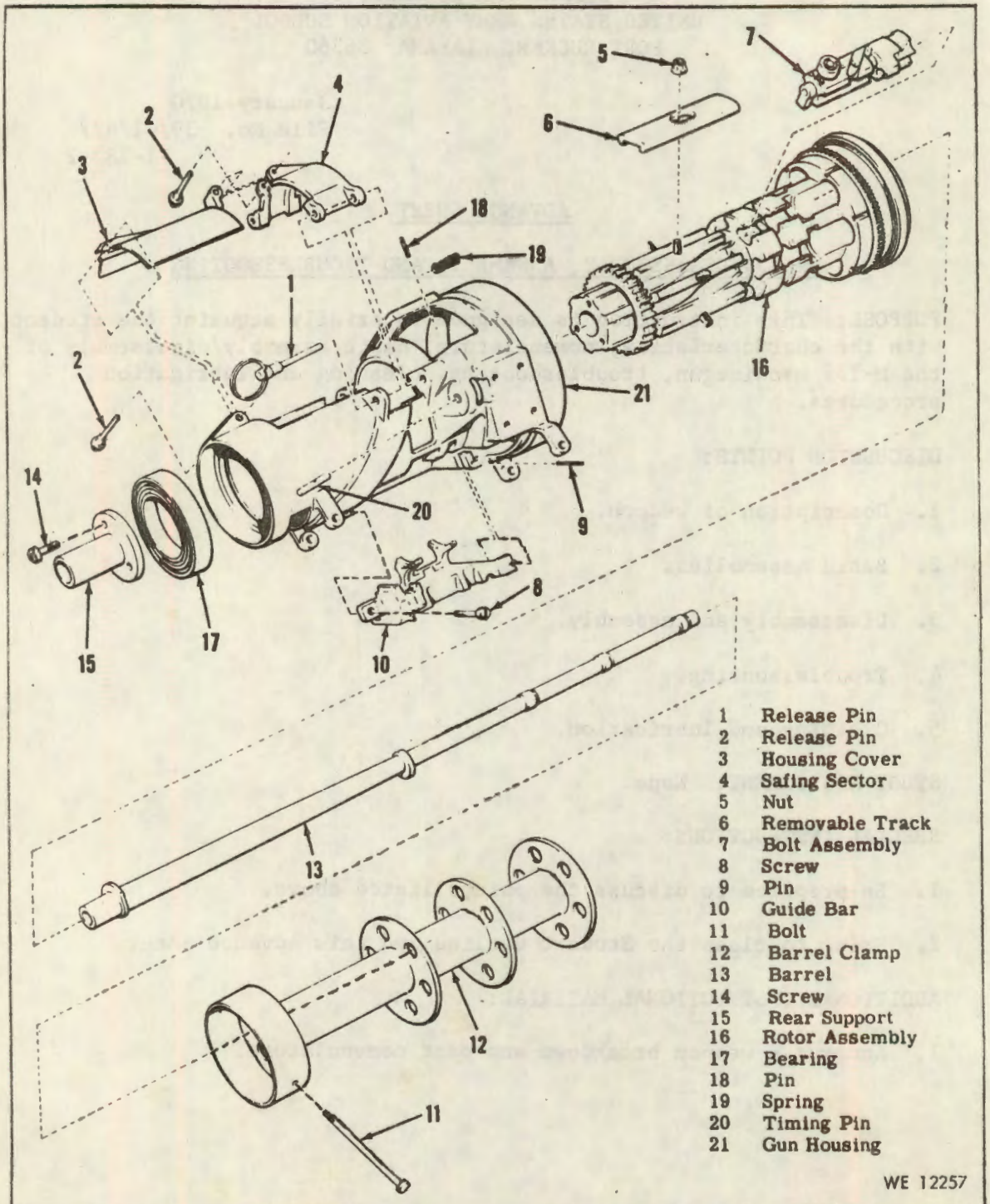
SPECIAL INSTRUCTIONS:

1. Be prepared to discuss the points listed above.

2. Bring to class the Student Outline and this Advance Sheet.

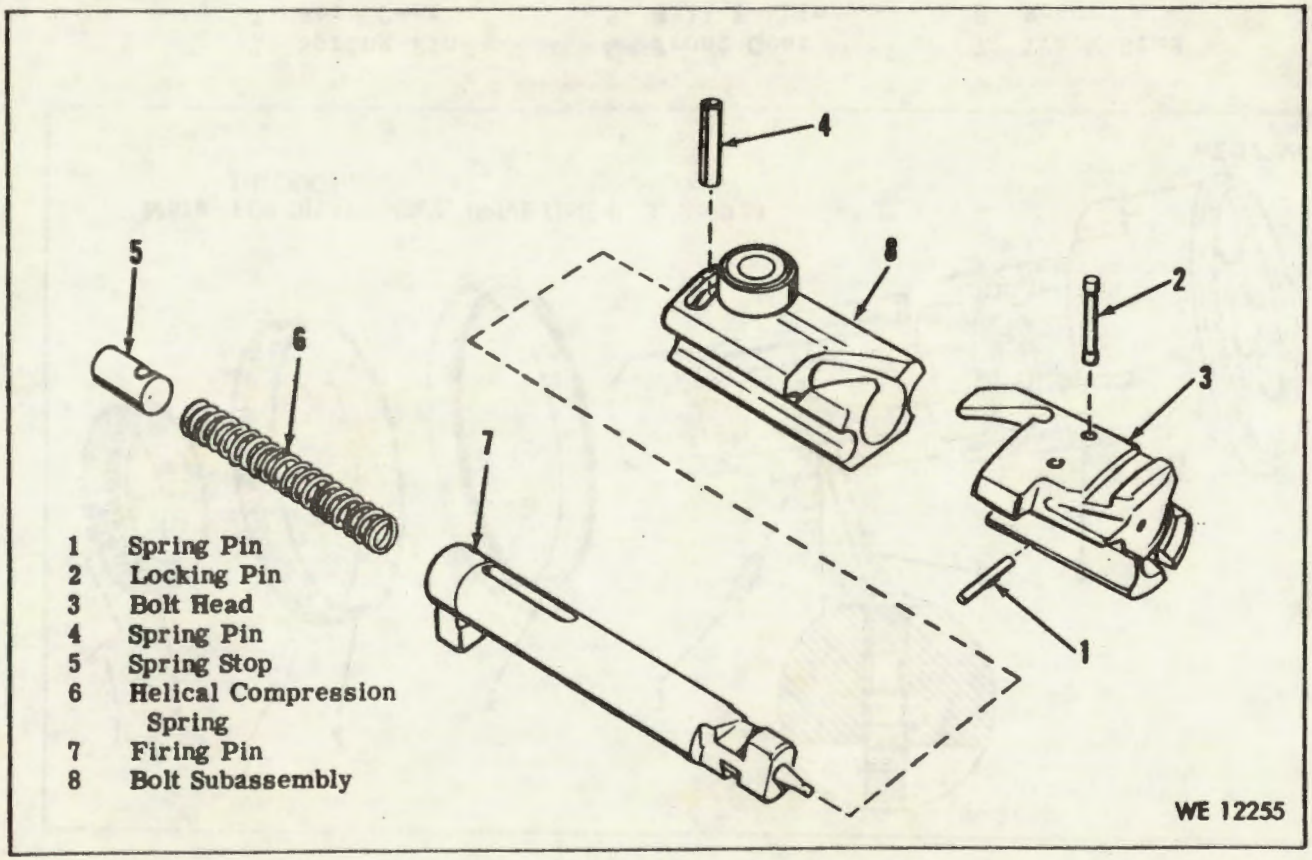
ADDITIONAL INSTRUCTIONAL MATERIAL:

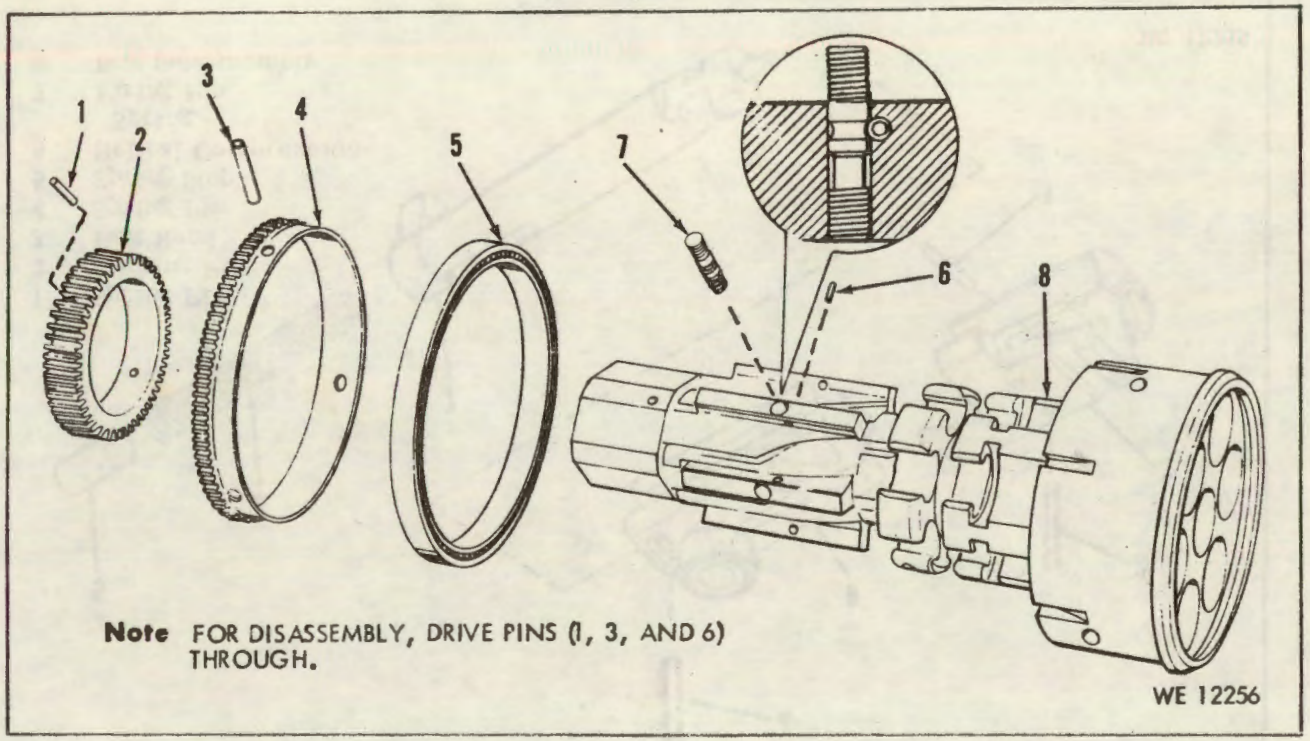
1. Annex A - weapon breakdown and part nomenclature.



1	Release Pin
2	Release Pin
3	Housing Cover
4	Safing Sector
5	Nut
6	Removable Track
7	Bolt Assembly
8	Screw
9	Pin
10	Guide Bar
11	Bolt
12	Barrel Clamp
13	Barrel
14	Screw
15	Rear Support
16	Rotor Assembly
17	Bearing
18	Pin
19	Spring
20	Timing Pin
21	Gun Housing

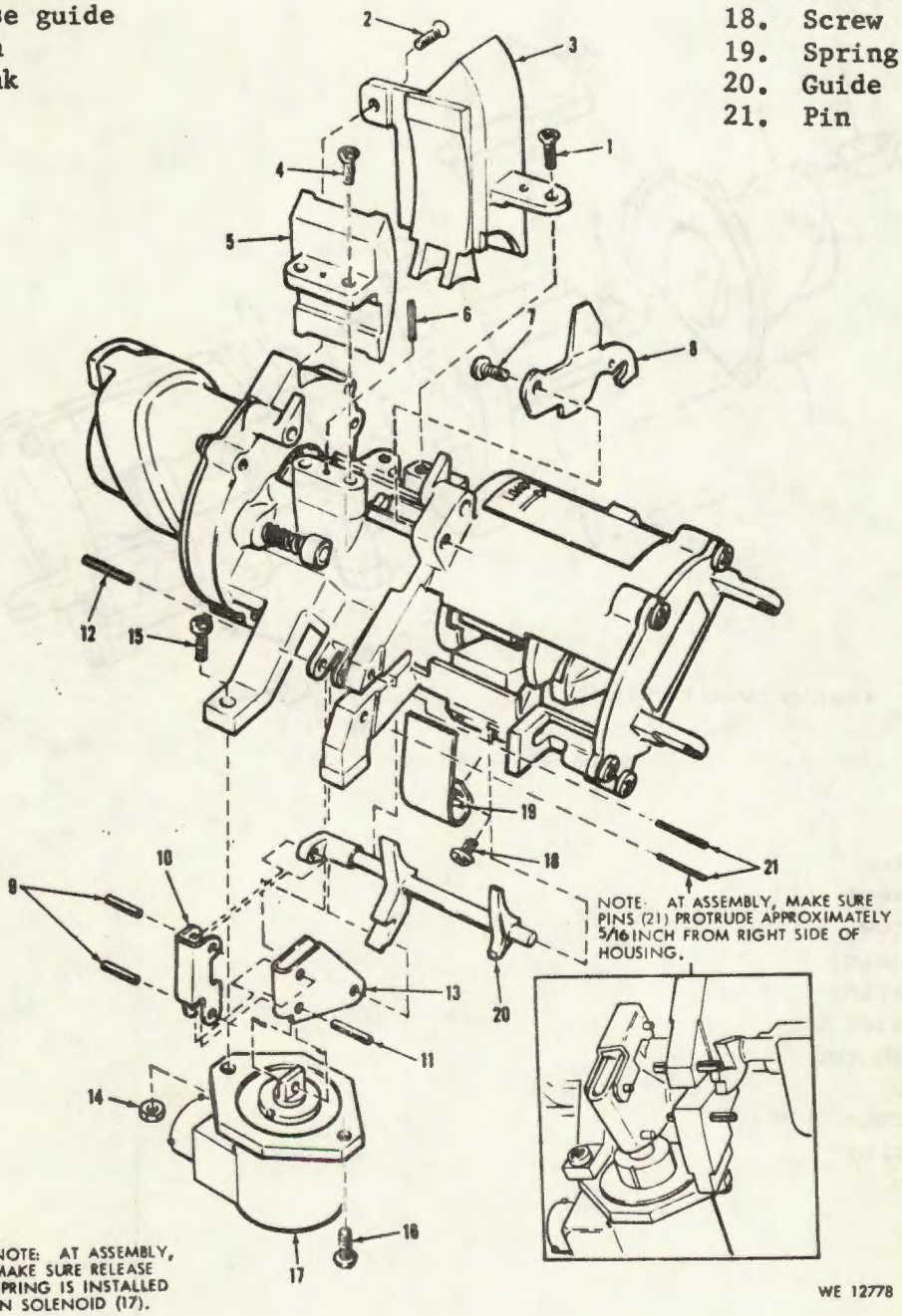
WE 12257

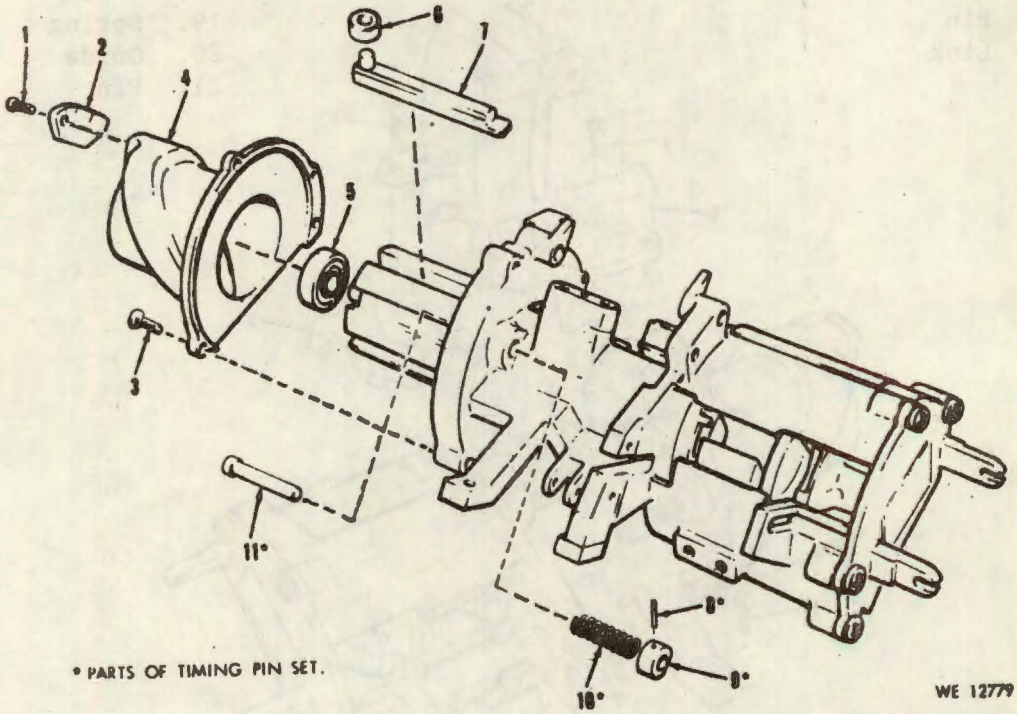

1 Spring Pin
2 Locking Pin
3 Bolt Head
4 Spring Pin
5 Spring Stop
6 Helical Compression Spring
7 Firing Pin
8 Bolt Subassembly
WE 12255



1 Spring Pin	4 Front Gear	7 Track Stud
2 Rear Gear	5 Ball Bearing	8 Rotor
3 Spring Pin	6. Spring Pin	

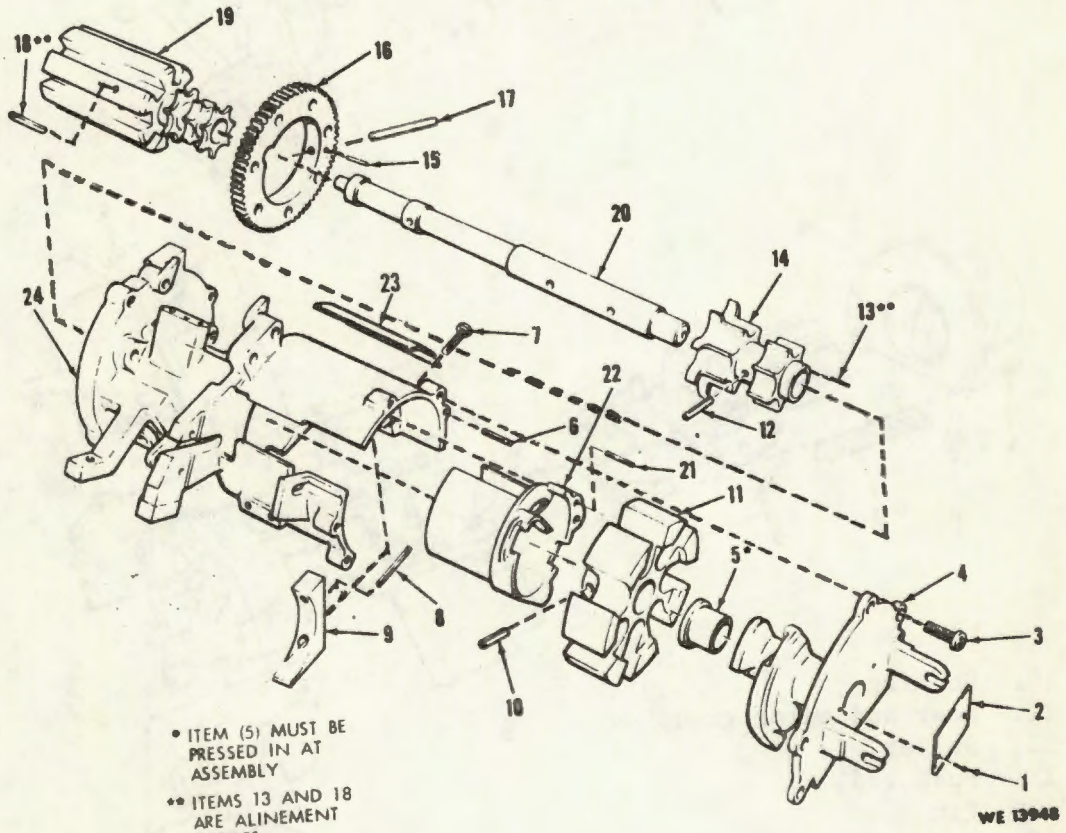
1. Screw
2. Screw
3. Guide
4. Screw
5. Guide
6. Pin
7. Screw
8. Nose guide
9. Pin
10. Link
11. Pin
12. Pin
13. Arm
14. Nut
15. Screw
16. Screw
17. Solenoid
18. Screw
19. Spring
20. Guide
21. Pin





1. Screw
2. Insert
3. Screw
4. Housing
5. Bearing
6. Roller
7. Push rod
8. Pin
9. Button
10. Spring
11. Pin

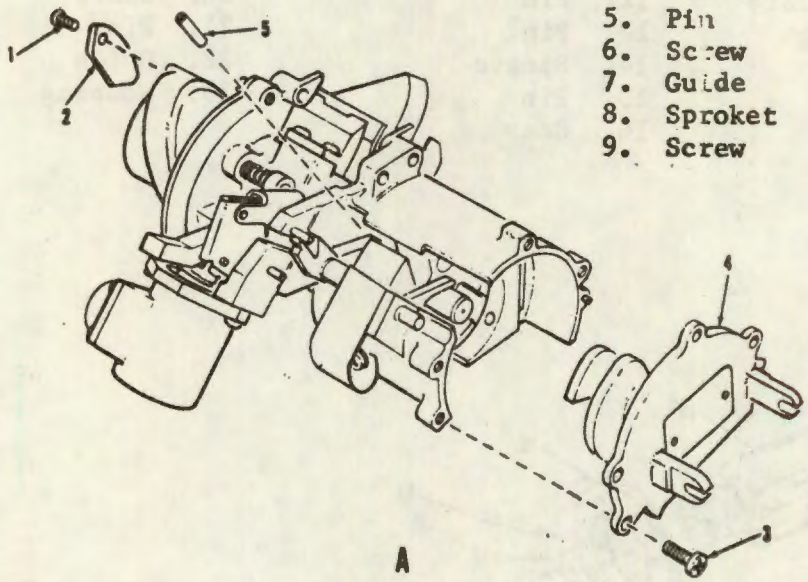
1. Screw
2. Plate
3. Screw
4. Nose plate
5. Bearing
6. Pin
7. Screw
8. Pin
9. Guide
10. Pin
11. Sproket
12. Pin
13. Pin
14. Sleeve
15. Pin
16. Gear
17. Pin
18. Pin
19. Guide Assembly
20. Shaft
21. Pin
22. Guide
23. Housing



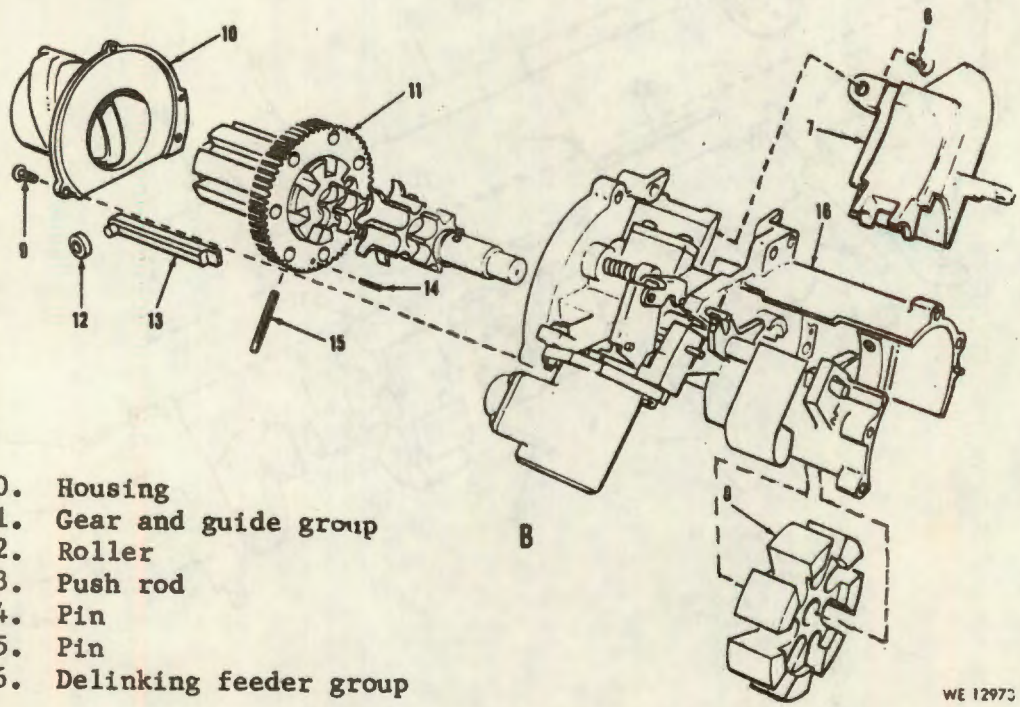
* ITEM (5) MUST BE PRESSED IN AT ASSEMBLY

** ITEMS 13 AND 18 ARE ALINEMENT GUIDES.

1. Screw
2. Insert
3. Screw
4. Plate
5. Pin
6. Screw
7. Guide
8. Sproket
9. Screw



A



B

10. Housing
11. Gear and guide group
12. Roller
13. Push rod
14. Pin
15. Pin
16. Delinking feeder group

WE 12973

DEPARTMENT OF TACTICS
UNITED STATES ARMY AVIATION SCHOOL
FORT RUCKER, ALABAMA 36360

January 1970
File No. 39/41/43/67/
71-283-2

STUDENT OUTLINE

M-134 DISASSEMBLY, ASSEMBLY, AND TROUBLESHOOTING

1. Description of the M-134 automatic gun.

   a.

   b.

   c.

   d.

   e.

   f.

2. Nomenclature of basic assemblies (10).

   a.

   b.

   c.

   d.

   e.

   f.

   g.

   h.

   i.

   j.

3. Practical exercise.

   a. Disassembly sequence.

   b. Assembly sequence.

4. Troubleshooting.

   a.

   b.

   c.

   d.

   e.

   f.

5. Cleaning and lubrication.

6. Delinking feeder MAU-56/A.

a.

b.

c.

d.

e.

f.

g.

h.

i.

j.

NOTES

DEPARTMENT OF TACTICS
UNITED STATES ARMY AVIATION SCHOOL
FORT RUCKER, ALABAMA 36360

January 1970
File No. 39/41/43/67/
71-283-2

PERFORMANCE CHECK

M-134 DISASSEMBLY, ASSEMBLY, AND TROUBLESHOOTING

1. The M21 subsystem will fire (per gun) _____SPM or _____ SPM.

2. The XM27/27 E1 weapon subsystem will fire _____SPM or_____SPM.

3. The M-134 is_____ _____ driven.

4. List the 10 basic assemblies.

   a.

   b.

   c.

   d.

   e.

   f.

g.

h.

i.

j.

5. List the steps in disassembly of the M-134 as presented in the practical exercise.

6. List four out of five assemblies of the M-134 that can <u>not</u> be immersed in cleaning solvent.

   a.

   b.

   c.

   d.

   e.

7. List four common causes of stoppages and corrective action to be taken.

   a.

   b.

c.

d.

8. Write the function of the gun feed solenoid.

   a. (With electrical power).

   b. (No electrical power).

9. List the name and function of seven of the ten delinking feeder parts.

NOTES