

NORMAL

MWO 5-9342-1

DEPARTMENT OF THE ARMY MODIFICATION WORK ORDER

MODIFICATION OF SNIPERSCOPE, SET NO. 1, 20,000 VOLTS, ADAPTED TO M2 CARBINE

Department of the Army, Washington 25, D. C.

6 March 1957

1. Application. *a. Category of Maintenance.* This MWO will be applied by third echelon or higher maintenance personnel when the equipment is:

- (1) In the hands of using organizations.
- (2) In shops when equipment is returned for repair.
- (3) In depot stock.

b. Time Required. Two man-hours.

c. Remarks. New reticle with click stops to be issued as requisitioned for all unmodified scopes. To include new lamp bulb No. 332. Old reticle to be returned to Columbus for modification if practicable and return to stock.

2. Supply of Parts Required. *a. New Parts Required.*

Item	Figure	Quantity	Description
1	1	1	Eye shield assembly. Engineer part No. D8247-18. (To be requisitioned only as needed.)
2	1 and 3	1	Grip switch bracket. Engineer part No. D8247-119.
3	1 and 3	1	Modified switch grip assembly. Engineer part No. D8247-41.
4	1	1	Light source adjustment eccentric. Engineer part No. D8247-28-3; wingnut, part No. D8247-26-2.
5	2	1	Shielded cable grip. Engineer part No. D9373-1.
6	1 and 4	1	Modified telescope mounting bar. Engineer part No. D8247 8-5.
7	-----	2	Fiberglass cover. Engineer part No. D8247 49-2.
8	5	1	Spacer, aluminum. Engineer part No. C-3375-6.

Item	Figure	Quantity	Description
9	-----	1	Reticle housing assembly. Engineer part No. D8247-19.
10	1	1	Cover, lamp socket, part No. D8247-24-1; gasket; part No. D8247-24-4 cover.
11	-----	1	Fuse holder. Engineer part No. D8247-53-5 and 6. 919/B775-163.
12	-----	2	Fuse, cartridge 5 amp, 32 volt, 3AG. Ord. 142630.
13	-----	1	Screw, mach. pan hd., slot, 6-32 NC-2A x 3/8 long.

b. Source of Supply. EMC—Engineer Maintenance Center.

c. Date Available. Now.

3. Purpose of Modification. To correct deficiencies in Sniperscope Set No. 1.

4. Priority Classification. NORMAL.

5. Major Item Affected.

	Engineer stock No.	TM
Sniperscope, Set No. 1, 20,000 volts, adapted to M2 Carbine.	00-0853-000-010	5-9342

6. Assembly or Component Affected. *a. Eye-shield assembly.*

b. Grip switch bracket assembly.

c. Light source.

d. Reticle housing.

e. Telescope mounting bar.

f. Cable grip.

g. Powerpack switch.

h. Battery-case nuts.

i. Fiberglass covers.

- j. Template and gimlet.
- k. Filter.
- l. Fuse holder.
- m. Fuse.

7. Parts Affected. a. Parts Modified.

- (1) Handle assembly.
- (2) Reticle housing.
- (3) Mounting bar.

b. Parts Discarded.

- (1) Eyeshield assembly, when replaced.
- (2) Reticle housing.
- (3) Gimlet and counterbore.
- (4) Filter, out of corrector lens and filter assembly, No. 775-871.
- (5) Fuse holder, twist lock type and fuse.
- (6) Old cable grip (fig. 2).

c. Disposal of Discarded Parts. In accordance with AR 735-11.

8. Drawings Required to Apply Modification. Figures 1 through 5.

9. Special Tools, Jigs, and Fixtures Required. Sniperscope repair kit No. 13.

10. Modification Procedure. a. Sniperscope set should be checked in advance to determine which, if any, of modifications are required.

b. Remove the old style eyeshield assembly when it becomes defective, and replace it with a new eyeshield assembly (item 1, fig. 1).

c. Attach a grip switch bracket assembly (item 2) to the carbine (fig. 3). Fasten a modified grip switch (item 3) to the bracket assembly. The present handle assembly can be modified by drilling two holes in the handle as shown in figure 3, using a number 19 drill to clear threads.

d. Attach lamp socket cover and adjusting eccentric (item 4, fig. 1).

e. Remove reticle housing and replace with modified reticle housing (item 9, fig. 1). This click type changes strike of bullet 6 inches at 125 yds.

f. Remove the old style telescope mounting bar and replace it with a modified mounting bar (item 6). The old style mounting bar should be modified as shown in figure 4. The modified part should then be returned to stock.

g. Remove the present type cable grip and replace with a shielded cable grip (item 5, fig. 2) and cut off strain cable flush with outside wrap.

h. If the knob is loose on the power pack switch, stake with clear glyptol or replace the screw with a No. 6-32NC X $\frac{3}{4}$ inch screw, (item 13) and stake with clear glyptol.

i. Tighten battery case nuts as necessary, and stake with glyptol.

j. Install a pair of fiberglass covers (item 7) in the battery knapsack if not already installed.

k. Delete the template and gimlet from the set of mounting tools.

l. Remove the filter and filter gasket from the corrector lens, and install the aluminum spacer (item 8, fig. 5) in place of the two components removed. See figure 5 for assembly drawing. Mark next to name plate with center punch to indicate when this action completed (TM 5-9342A, paragraph 37b).

m. Remove the present twist type fuse holder and replace with the "coin slot" fuse holder.

n. Remove the 3 ampere fuse and replace with 5 ampere.

o. Remove old cover lamp socket and install new cover (item 10, fig. 1).

11. Recording the Modification. Record on forms as required by TM 5-505.

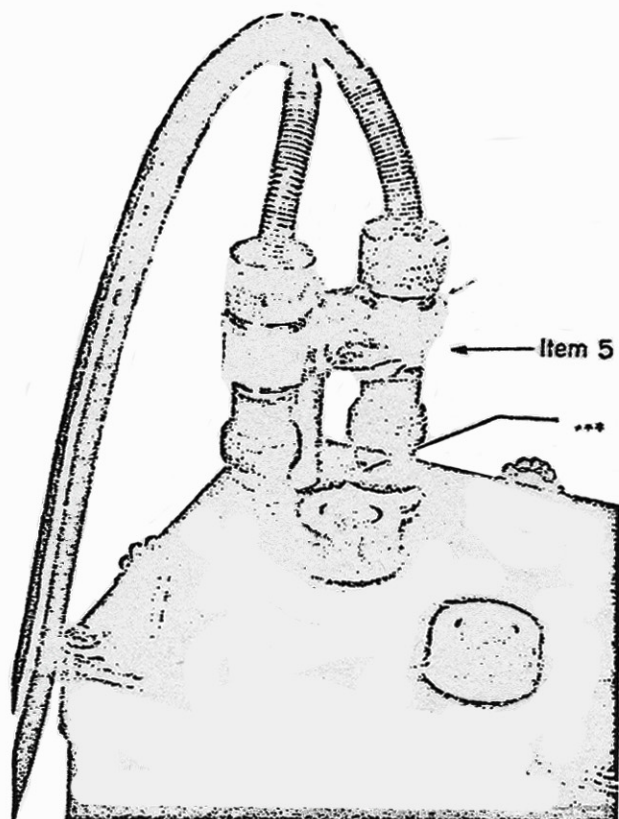


Figure 2. Shielded cable grip.

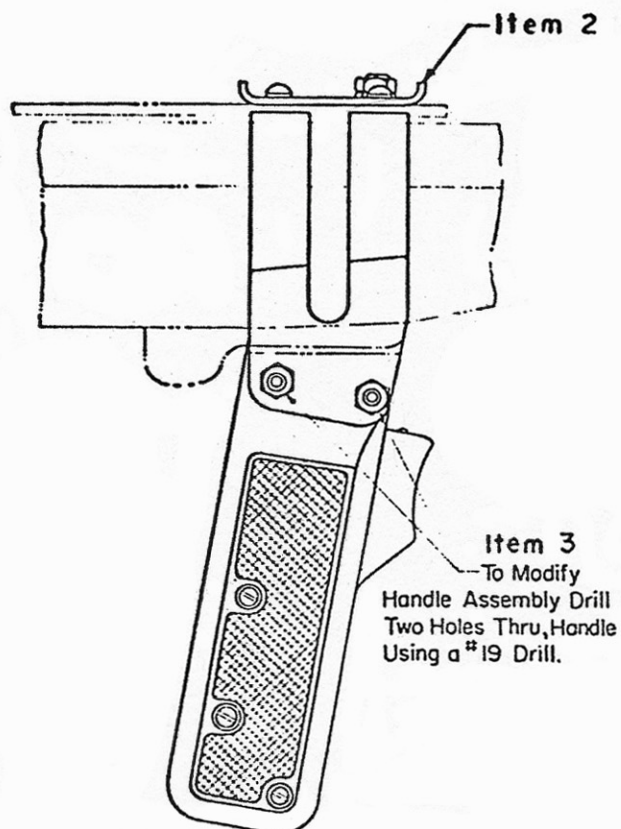
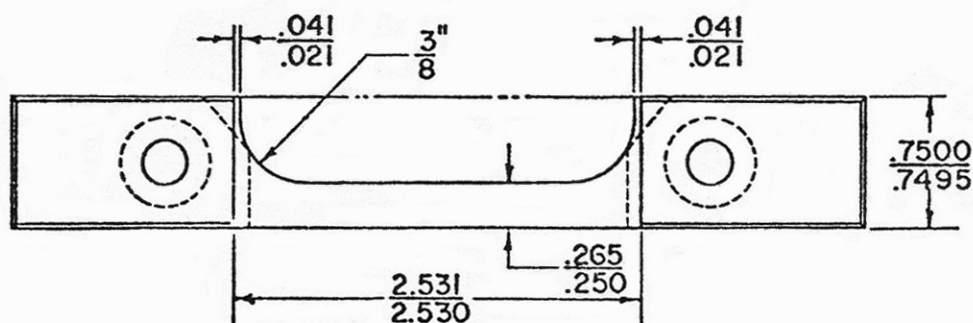
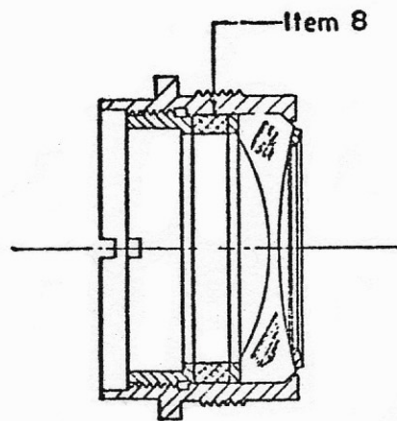


Figure 3. Grip switch, bracket assembly.

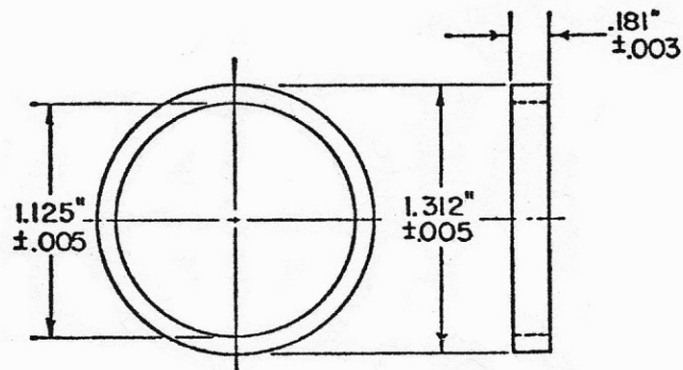


Item 6

Figure 4. Modified mounting bar.



Corrector lens cell assembly



Item 8 Spacer
Aluminum

Figure 5. Spacer and corrector lens cell assembly.