

Figure 22—Fixed Prism Assembly

KEY TO FIGURE 22

- 1 Fixed prism holder
- 2 Cork packing
- 3 Packing
- 4 Upper fixed prism clamp
- 5 Lower fixed prism clamp
- 6 Binding head screw
- 7 Fixed prism
- 8 Fixed prism adjusting plate

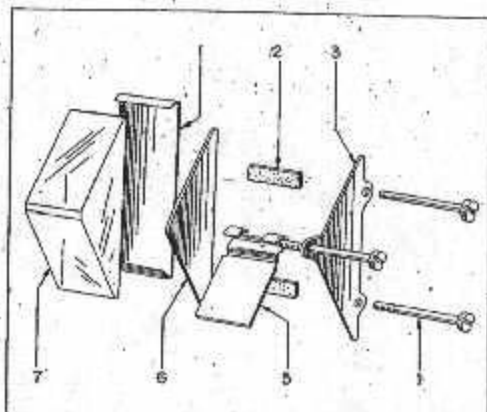


Figure 23—Field Prism Assembly

KEY TO FIGURE 23

- 1 Shield
- 2 Cork
- 3 Field prism plate
- 4 Prism mounting screw
- 5 Shade
- 6 Cushion
- 7 Field prism

(8) When the sector is seated, remove the string by slipping it out. Rotate the worm assembly counterclockwise to check the reassembly. Examine the coils of the spring to make sure they are parallel, and if necessary use a small screw driver to push up the sector end of the spring so that it seats completely in the hole.

(9) Add the washer (3), dowel pin (1), and flat-head screw (2) to the tapered shaft.

(10) Replace the outboard plate.

l. FRAME ASSEMBLY. (See figure 17.)—Attach the lower main frame cover (8) and the upper main frame cover (5) with seven fillister-head screws (6).

m. FIXED PRISM ASSEMBLY INSTALLATION. (See figure 16.)—Attach fixed prism assembly with two mounting screws (18).

n. FIELD PRISM ASSEMBLY INSTALLATION. (See figure 23.)—Position field prism with two corks (2) and shield (1) attached, on sector assembly. Add prism cushion (6), field prism plate (3) and fasten with three prism mounting screws (4). Insert shade (5) between fixed prism and upper fixed prism mounting screw and attach it to the center field prism mounting screw (4).

o. GLASS CHAMBER HOUSING ASSEMBLY AND BUBBLE CHAMBER ASSEMBLY INSTALLATION. (See figure 16.)—Attach this assembly to the frame assembly with two glass chamber mounting screws (7), and two lock washers.

p. COUNTER ASSEMBLY INSTALLATION. (See figure 16.)—Attach counter assembly with two mounting screws (2). Refer to section V,3,b.

q. DRIVE ASSEMBLY INSTALLATION. (See figure 16.)—Attach drive assembly (23) with flathead screw (24) and binding head screw (25). (Refer to section V,3,b.) Then attach recording disc to dial shaft using two disc mounting screws. Add marking disc and clamping disc.

r. TIMER ASSEMBLY AND MARKER ASSEMBLY INSTALLATION. (See figure 16.)—Position the timer mounting plate assembly (15) and fasten with four binding head screws (17). Remove the three binding head screws and marker housing cover assembly and position marker housing assembly (4) and fasten with binding head screw and lock washer and fillister-head screw (5) and lock washer (6) which is also used to hold down the conduit clamp. Next attach socket (20) and contact spring (21) with two fillister-head screws (22). Then, to the side of the bubble chamber assembly, position sunshade bracket assembly (13), mount and bubble light socket and fasten with two fillister-head screws. When attaching the marker housing cover assembly the trigger must be held to the extreme right, to enable the switch actuating pin to be inserted between the switch assembly and the side wall of the marker housing assembly (4). Fasten the marker housing cover assembly with three binding head screws.