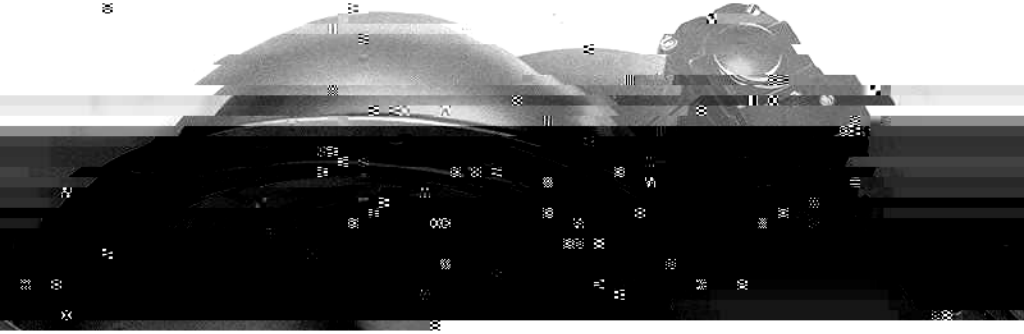

Valve Closed

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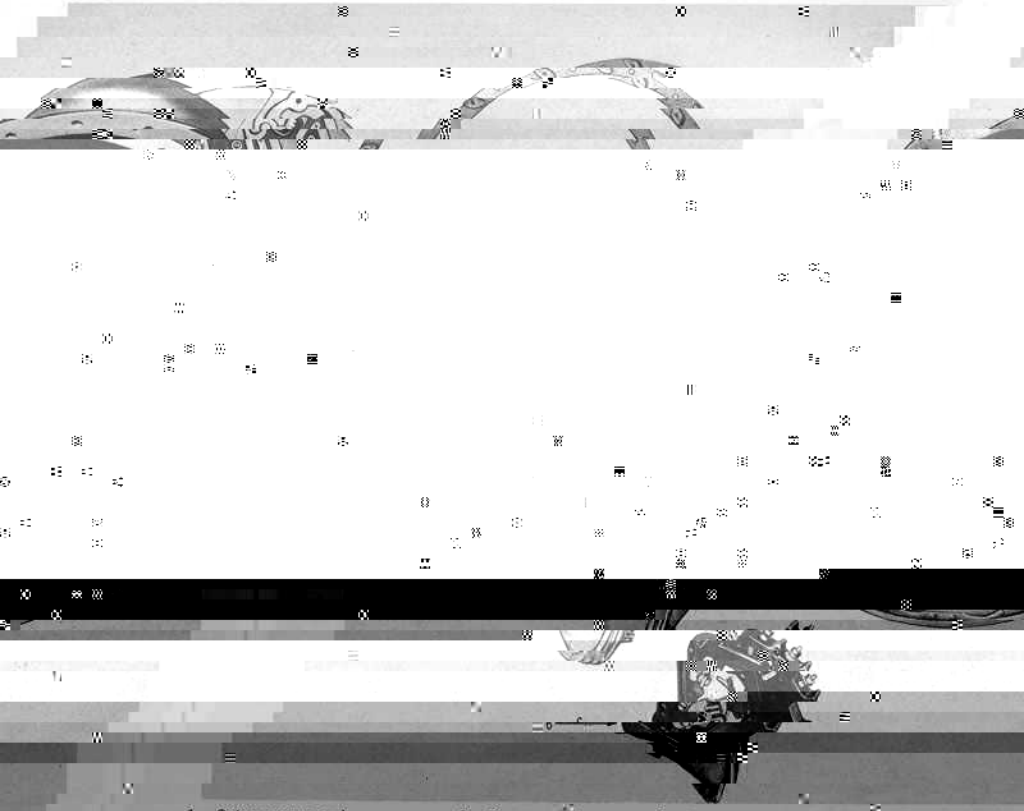


1. Outer canopy and drive housing assembly
2. Retainer band
3. Power unit assembly
4. Latch
5. Inner canopy and quadrant
6. Control assembly

Figure 2. Main Assemblies

[redacted]

SECTION IV

MAINTENANCE AND LUBRICATION

Lamp Bulb Replacement. [illegible] the lamp retainer with a hard-pointed screw driver as shown in figure [illegible] connect the lamp terminals [illegible] terminals of the replacement lamp and insert the lamp [illegible] which engage the boss [illegible] of the lamp [illegible]

CAUTION

The filament shield of the lamp is located [illegible] craft and should be ins[illegible]

CAUTION

[illegible] than three turns without closing [illegible] ment is removed [illegible] made inside [illegible] ref. 1) [illegible] ting. C[illegible]

SERVICE TROUBLES AND REMEDIES

LAMP DOES NOT LIGHT

Burned out b

Replace lamp

Refractor adjustment

of Unit Adjustment Points

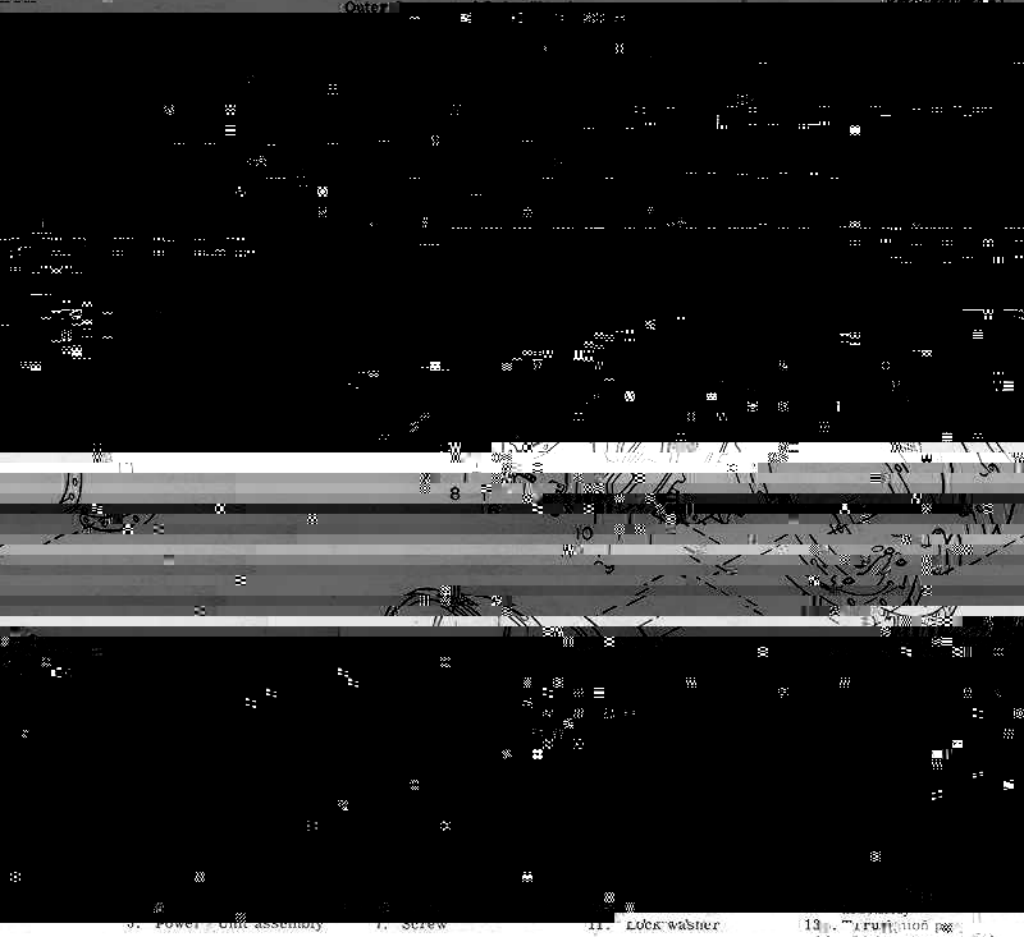
Figure 7. Replacing Retainer Ring

re 6. Con

SECTION

OVERHAUL INSTRUCTIONS

Outer [illegible] DISASSEMBLY



9. Power unit assembly
7. Screw
11. Lock washer
13. Truss
14. Lightrail assembly

Figure [illegible] Electrically Retractable [illegible]

Remove the two screws holding the top of the motor housing (23).

Remove the four elevation gears, motor housing (23), and the armature (9) with the armature shaft (10) and the armature end washers (2).

Remove the two screws holding the bottom of the motor housing (23).

Remove the four screws holding the motor housing (23) to the base (1).

Remove the motor housing (23) and the base (1) from the cabinet.

Section ..... 15 Brush holder 22. Bearing washer


Relay assembly
14. Screw
24. Stop spri
15. Washer

(38) and nut (25). Do not tighten the nuts. Install the connector (35) in the remaining mounting screw hole opening and [illegible]

The end of the connector must be parallel to the bottom of the housing. Solder the nut (35) in position.

c. Position the switch actuator assembly (26) and attach with three screws (27). Check the action of the switch actuator assembly [illegible]

the back of the housing (41). The free end of the con-

SECTION VI

TEST PROCEDURE

OPERATING AND TESTING GAGES

from the outside when the light is attached to the ins-
stall position. With the light extended, remove the
adjustment screw plug (fig. 11, ref. 40) from the con-
trol unit assembly. Using a screw driver, turn the
screw inside the control unit one complete turn for the
equivalent of one degree of opening adjustment. To
increase the degree of opening, turn the screw clock-
wise. To decrease the opening turn the screw counter-

When checks or adjustments
at the light should be
for 12- to 16-volt
to be 14.0 volts
be 28.0 volts.

If less

the normal service voltage
electrical systems this is assumed
. For 24- to 28-volt systems it should

than the normal service voltage is applied

length of time required for the lamp to reach the fully
extended position
seconds
position. When the lamp is retracted, the light must

The lamp must extend fully in

firm seating of the light in the retracted position
out under gear strain. Over-
by mo

tion with-
in closing caused

Opening Adjustment: The degree of opening is
tightened the

means in an external relay circuit wired into the lamp

GROUP ASSEMBLY PARTS LIST

Part Number	1	2	3	4	5	6	Nomenclature	Units Per Assy	Appli. Code	Figure & Index No.
ELECTRICALLY RETRACTABLE LANDING LIGHT ASSEMBLY										
G-3800A-[illegible]							Light Assy. - Landing, electrically retractable, 600W, 28v	1	a	
G-3801A-1							Light Assy. - Landing, electrically retractable, 250w, 28v	1	a	
G-3802A-1							Light Assy. - Landing, electrically retractable, 250w, 13v	1	a	
G-3803A-[illegible]							Light Assy. - Landing, electrically retractable, 600W, 28v	1	a	
G-3801A-[illegible]							Light Assy. - Landing, electrically retractable, [illegible]w	1		
G-3804A-[illegible]							Light Assy. - Landing, electrically retractable, [illegible]	1		

Grimes Manufacturing Company

Index No. PAT. Number