



GEOCHRON®
ENTERPRISES INC.

MANUFACTURERS OF
GLOBAL TIME INDICATORS

LIGHTING TROUBLE-SHOOTING

110 Volt units:

Geochron is manufactured with two (2) Light Tracks; each contains a lamp, a starter and a ballast (50 or 60 HZ). On 110 volt units, each light track unit can function independently of the other. The lighting circuit is wired in "parallel".

If one track (right or left) is malfunctioning, the source of the problem may be pin-pointed by a sequential exchange of parts (lamp and starter) from the good track over to the bad track. Start by switching the starters and then the lamps. Reinsert the Light Track into the Geochron and test the lighting circuit by turning the Rotary Light Switch clockwise.

If a problem persists, replace the ballast on the faulty system.

220 Volt units:

The two (2) Light Tracks in 220 volt (50 or 60 HZ) Geochrons are wired in "series" so that a failure of one component (right or left) will result in a total lighting failure.

To correct, rotate the position of the starter in its socket 180 degrees. If the lamps do not ignite, replace each starter one at a time, while checking to see if they will ignite the lamps. If the problem persists, replace each lamp one at a time. Thereafter, if the problem persists, replace the lamp ballasts.

On a 220/50 or 220/60 Geochron, the lighting circuit is wired so that the voltage received by the light track is ~110 v, not 220 v.

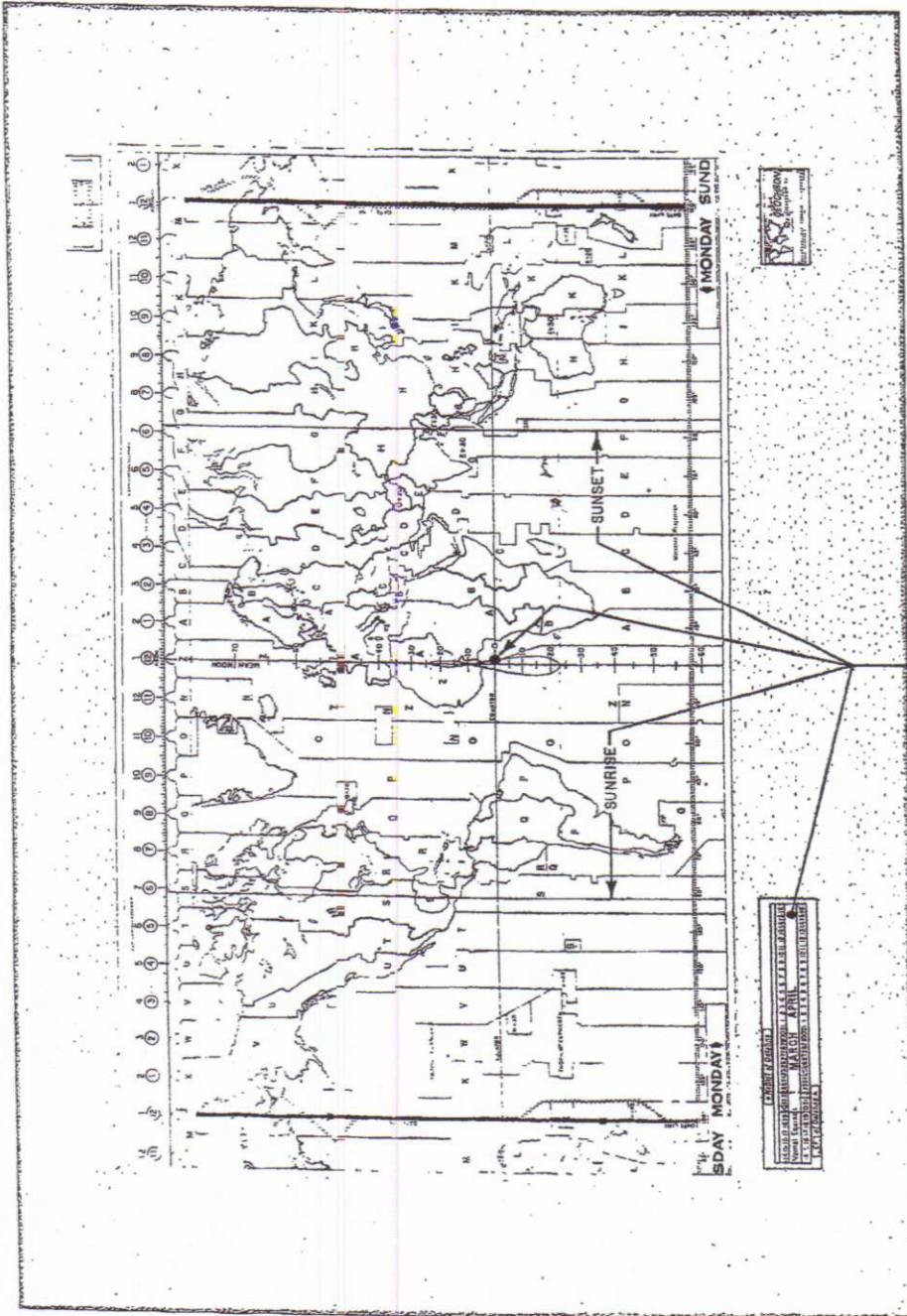
G:\Intro.

Figure "B"

GEOCHRON

CONTROL FUNCTIONS.

THE GEOCHRON IS SHIPPED IN THE POSITION SHOWN LOCKED IN USE PAGE P-5) ON THE VERNAL EQUINOX (SEE SETTING, (DAYLIGHT EQUALS NIGHT) (EQUATORIAL WIDELINE) THIS POSITION CENTERS THE MAIN INTERNAL MECHANISM ASSEMBLY AND HELPS ALLEVIATE DAMAGE DURING SHIPPING.

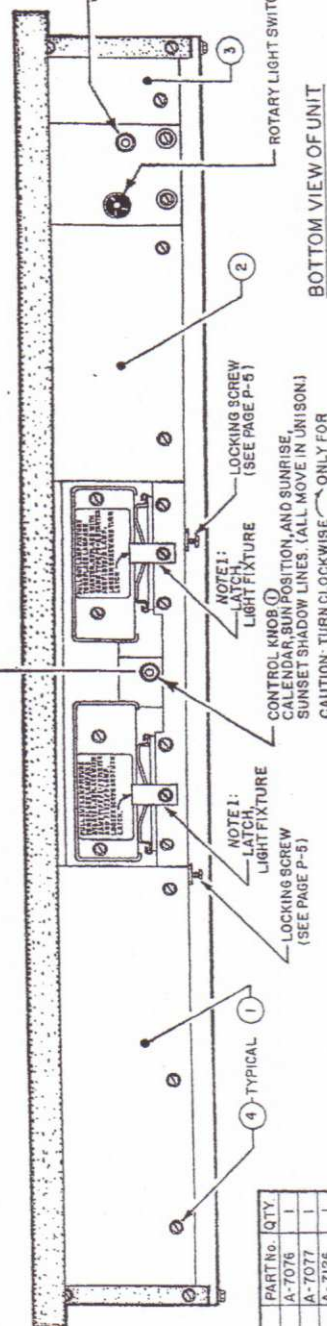


NOTE:

REPLACEMENT

LAMPS, STARTERS, AND BALLASTS. THE LIGHT FIXTURE ASSEMBLY (LEFT & RIGHT) ARE EASILY REMOVABLE AS A UNIT (SEE PAGE 18) LOOSEN THE LATCH SCREWS, AND TURN THE LATCH, SLIDE LIGHT FIXTURE OUT.

CONTROL KNOB (1) MAP AND DAY OF WEEK BAND. (BOTH MOVING MAP TIME ZONE FOR SETTING CORRECT TIME OF DAY. TO OPERATE PULL DOWN ON THE KNOB AND TURN COUNTERCLOCKWISE (ONLY) AFTER SETTING THE MAP TO THE CORRECT TIME, THE KNOB SHOULD BE LOCKED AND ENGAGE GEAR SYSTEM FOR THE MOTOR DRIVE.



ITEM	DESCRIPTION	PART No.	QTY.
1	CLOSURE PLATE - LEFT	A-7076	1
2	CLOSURE PLATE - MIDDLE	A-7077	1
3	CLOSURE PLATE - RIGHT	A-7126	1
4	6-32 HEX. HD SLOTTED SCREW	A-8082	6

BOTTOM VIEW OF UNIT

NOTE: DO NOT OPERATE UNTIL LOCKING SCREWS HAVE BEEN LOOSENED (SEE PAGE P-5)

