

ASSEMBLY INSTRUCTIONS

TELREX ROTATOR

IMPORTANT!

WHEN REFERRING TO THIS CUSTOM-BUILT TELREX EQUIPMENT, PLEASE
SUPPLY MODEL NUMBER, SERIAL NUMBER, DATE OF PURCHASE AND
FROM WHOM, SO THAT WE CAN MORE EFFECTIVELY HANDLE YOUR INQUIRY.

MODEL

BA3/2899 RIHS

SERIAL NO.

37672

PUR. DATE

2/11/77

ANTENNAS

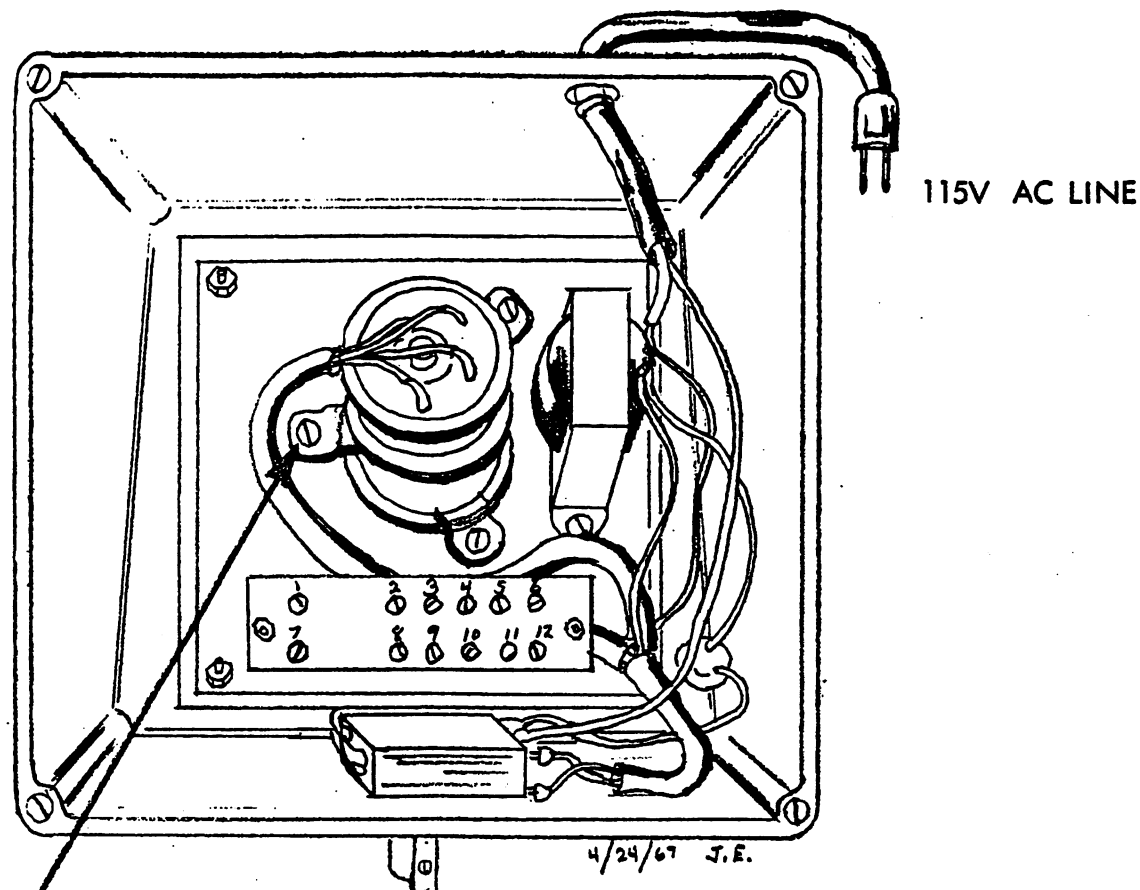
SINCE
1921**telrex** LABORATORIES

Communication and TV Antennas

ASBURY PARK

NEW JERSEY, U.S.A.

INTERIOR VIEW INDICATION CONTROL CONSOLE -



TO ORIENT POINTER ON FACE DIAL LOOSEN THESE 3 SCREWS
AND TURN SELSYN TO DESIRED LOCATION.

To orient the antenna with the indicator box, first hook up the control cable and plug into 115 VAC line. Turn on the switch at the control box and run it left or right until it stops. Then reverse it approximately 180° to some convenient point on the compass.

Next: Out at the rotator, loosen the mast clamps and using a compass, point the antenna to the same reading as shown on the indicator. If further fine adjustment is necessary, loosen the three screws holding the selsyn inside the control box (as shown) turn slightly in either direction and again tighten the screws.

NOTE:: CAUTION ! To reverse the direction of the rotation ALWAYS Stop in the OFF position for TWO or THREE SECONDS to prevent motor from rotating in same direction when indicator switch is reversed. There is approx. 6° of forward momentum because of residual magnetism and momentum that will cause motor to continue in same direction unless you pause in the OFF position. This is IMPORTANT when approaching the limit of rotation since you can by-pass the switching circuits, thus tearing your transmission line.

ZERO ADJUST BUTTON

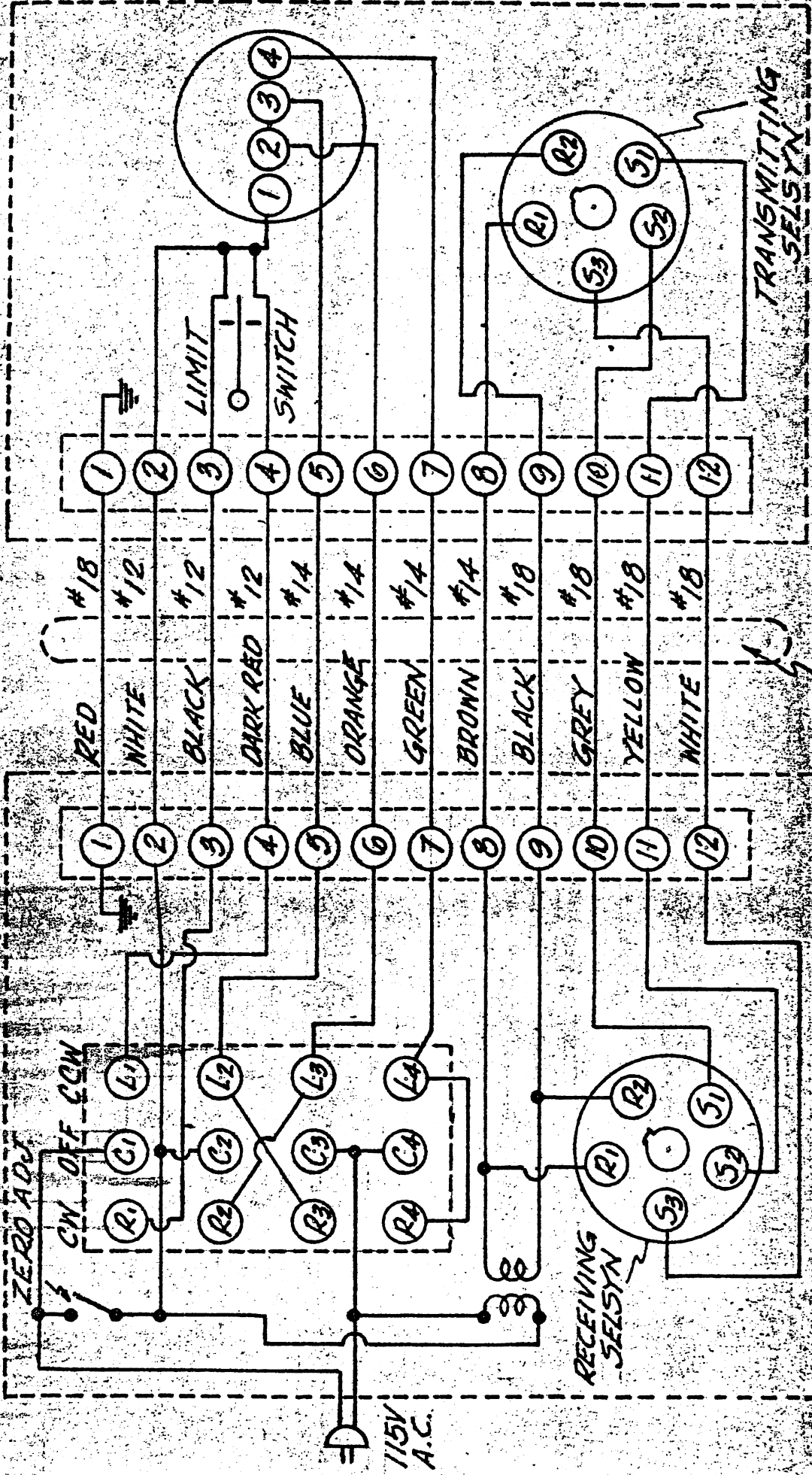
NOTE: When the indicator switch is turned back to "OFF" after operation, the forward momentum of the Rotator due to the residual voltage will carry it forward briefly, while the Indicator pointer stops at once causing the Indicator pointer to be positioned behind the Antenna Rotator approximately Six degrees when the Rotator has come to a stop.

With the Indicator switch in the "OFF" position, momentarily press the RED button. It will energize the Indicator Selsyn only and this causes the Selsyn and the pointer at the Indicator to move to a position matching the final resting position of the Antenna Rotator.

The above operation resynchronizes the system.

TELREX COMMUNICATION ENGINEERING LABS.
ASBURY PARK, N. J. 07712

CAUTION! - DO NOT PRESS "ZERO ADV." BUTTON UNTIL INDICATOR SWITCH IS IN OFF POSITION



IF TELREX 12 COND -
VECTOR CABLE IS USED
FOLLOW THIS COLOR
CODE - OR USE THE
SAME SIZE WIRE.

INDICATOR UNIT

CAUTION!! HESITATE IN OFF POSITION (3) THREE SECONDS BEFORE PROCEEDING TO REVERSE - IF YOU DO NOT YOU WILL BYPASS LIMIT OF ROTATION CIRCUITRY.

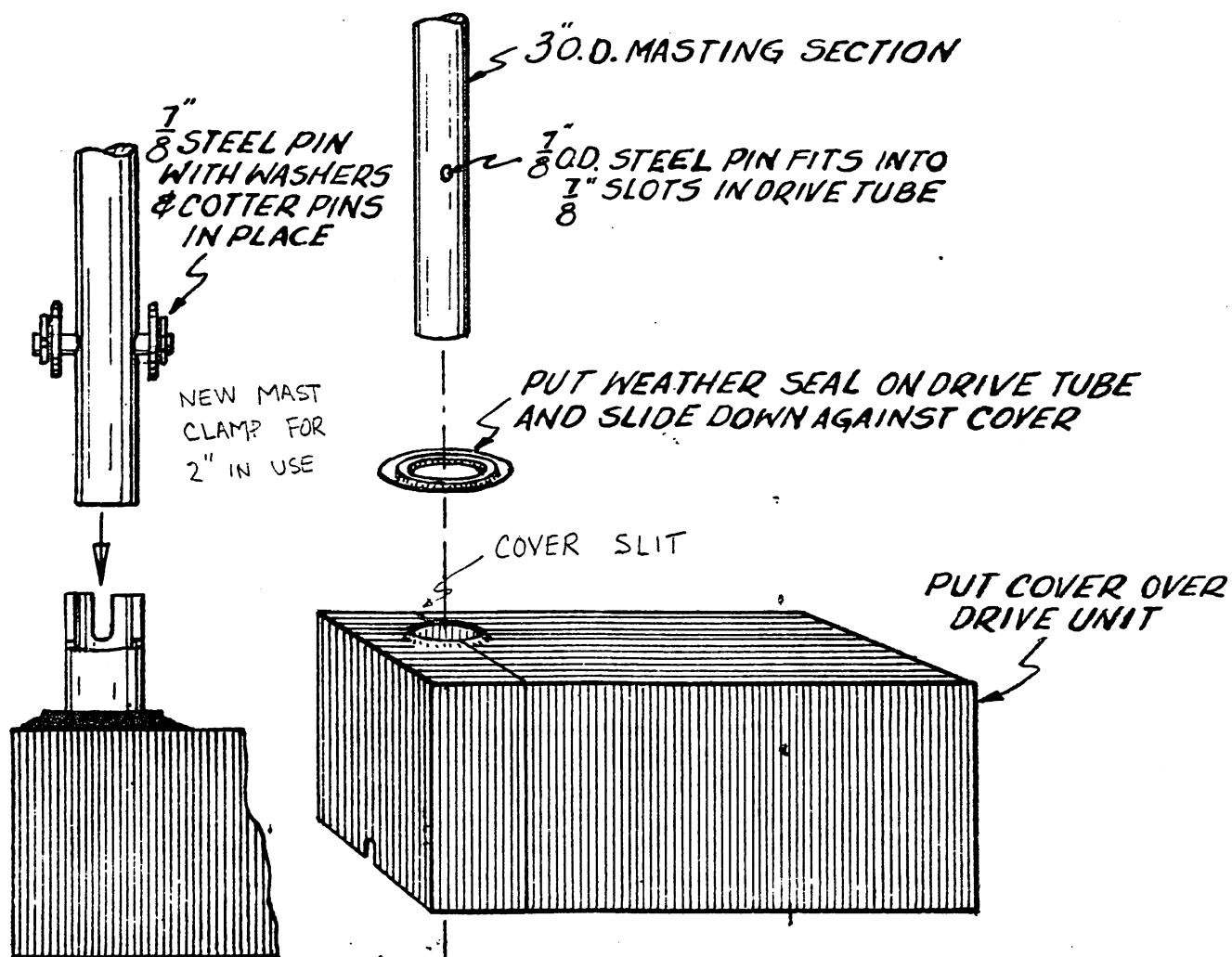
REMEMBER!! THE MOTOR DOES NOT REVERSE INSTANTLY.



SCHEMATIC WIRING
DIAGRAM

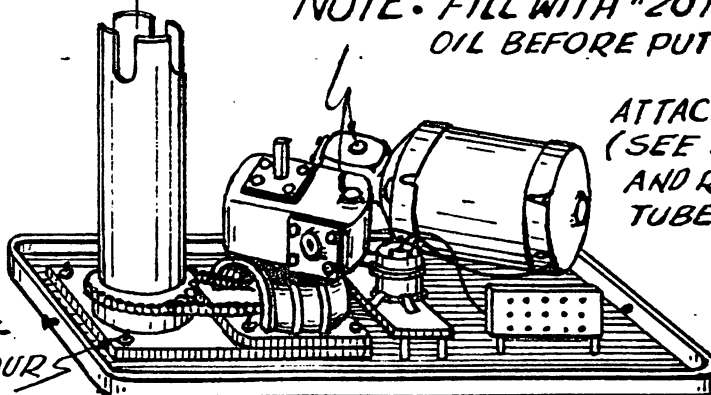
ROTATOR MODEL -

DRWG. NO. - C-750707 RA



NOTE: FILL WITH #20 NON-DETERGENT OIL BEFORE PUTTING INTO USE.

IMPORTANT:
USE ALL SIX (6)
HOLES WHEN MOUNT-
ING ROTATOR TO YOUR
SUPPORT PLATE



TELREX ROTATOR INDICATOR
MODEL -

ANTENNAS **telrex** Communication and TV Antennas
SINCE 1921 **LABORATORIES**
ABBURY PARK NEW JERSEY, U.S.A.

DRWG NO. - C730119RA