

**MAINTENANCE SUPPORT
CONTROLS, JACKS, AND INDICATORS**

Contents	Page
CONTROLS, JACKS, AND INDICATORS	5-1

CONTROLS, JACKS, AND INDICATORS

This tab contains the faceplates of the units in the radio, line terminal, and regenerator frames. Callouts are used to explain the function of external controls, jacks, and indicators. The units are listed in alphanumeric order for convenience.

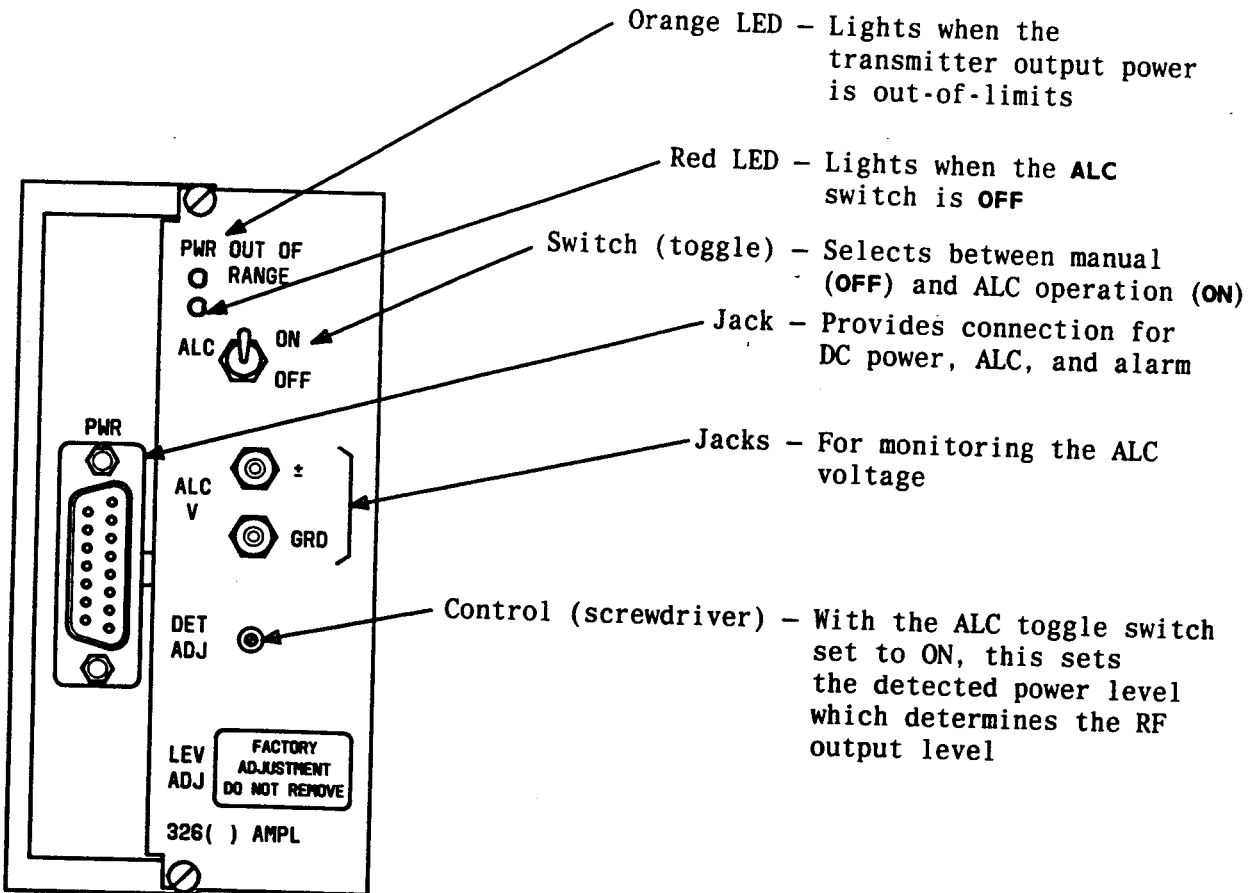
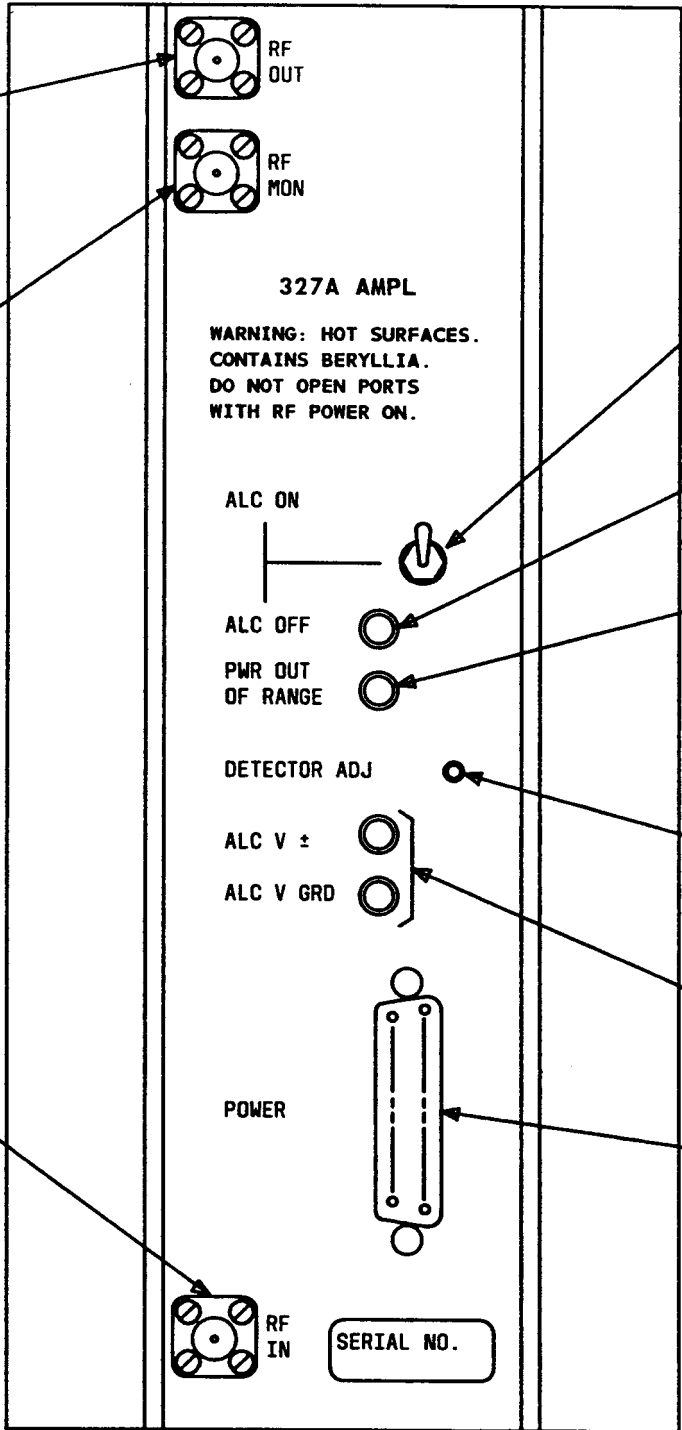


Fig. 1—326() Power Amplifier

JACK (SMA FEMALE)
CONNECTS TRANSMITTER
RF OUTPUT SIGNAL
TO THE TRANSMITTER
WAVEGUIDE ASSEMBLY

JACK (SMA FEMALE) -
USED TO MONITOR
CALIBRATED TRANSMITTER
RF OUTPUT SIGNAL.
(NORMALLY TERMINATED)



TOGGLE SWITCH USED
TO SET THE ALC LOOP
TO ON (AUTOMATIC) OR
OFF (MANUAL)

LED (YELLOW) - LIGHTS
WHEN ALC SWITCH IS IN
THE OFF POSITION

LED (RED) - LIGHTS WHEN
THE CONTROL VOLTAGE
IS OUT OF LIMITS WHICH
INDICATES THAT
TRANSMITTER OUTPUT POWER
IS OUTSIDE CORRECT
LIMITS

DETECTOR ADJUSTMENT
CONTROL-USED TO ADJUST
THE ALC LOOP FOR PROPER
OPERATION

JACKS - USED TO MONITOR
THE TRANSMITTER
AUTOMATIC LEVEL CONTROL
VOLTAGE

25 PIN
CONNECTOR

JACK (SMA FEMALE) -
CONNECTS RF OUTPUT
SIGNAL OF UP CONVERTER
TO INPUT OF TRANSMITTER

Fig. 2—327A Power Amplifier

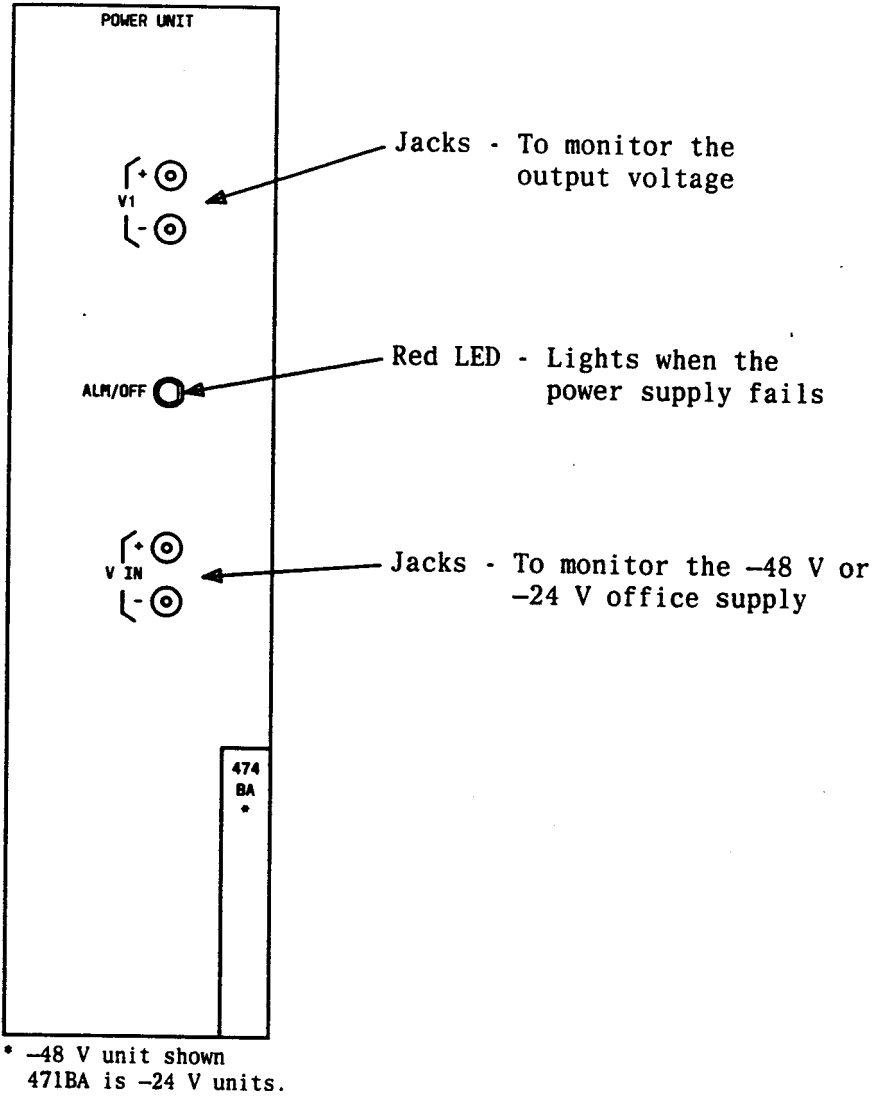


Fig. 3—471/474BA Power Unit

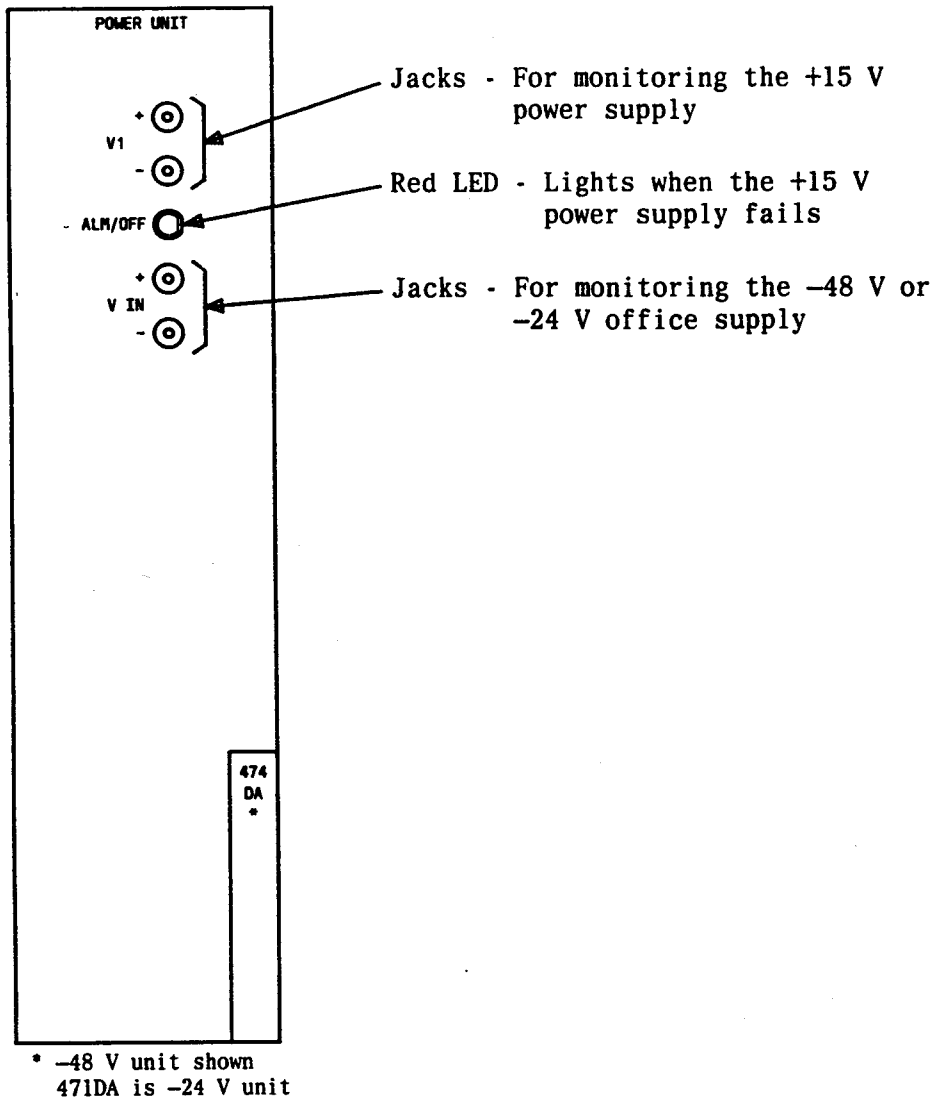


Fig. 4—471/474DA Power Unit

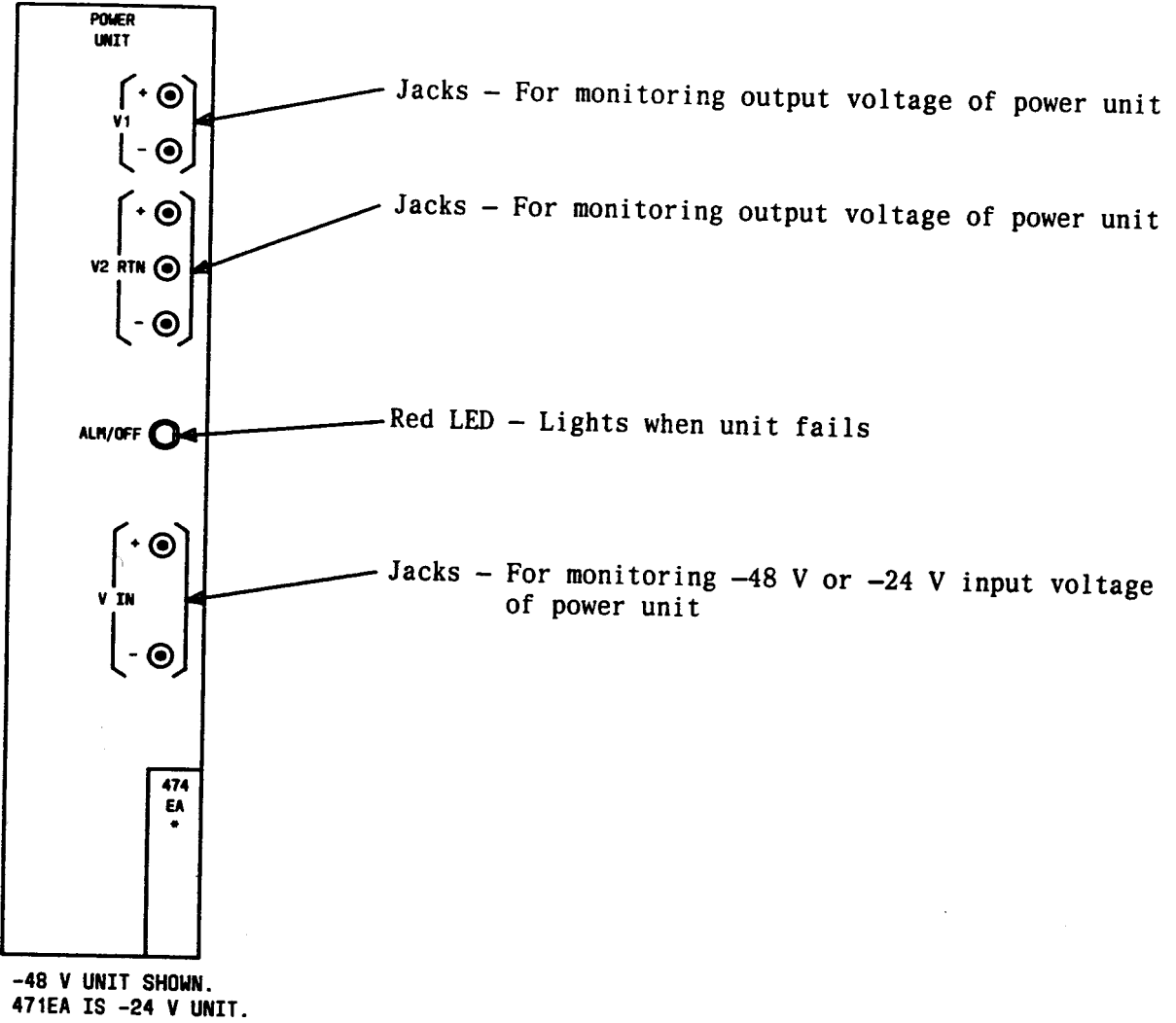


Fig. 5—471/474EA Power Unit

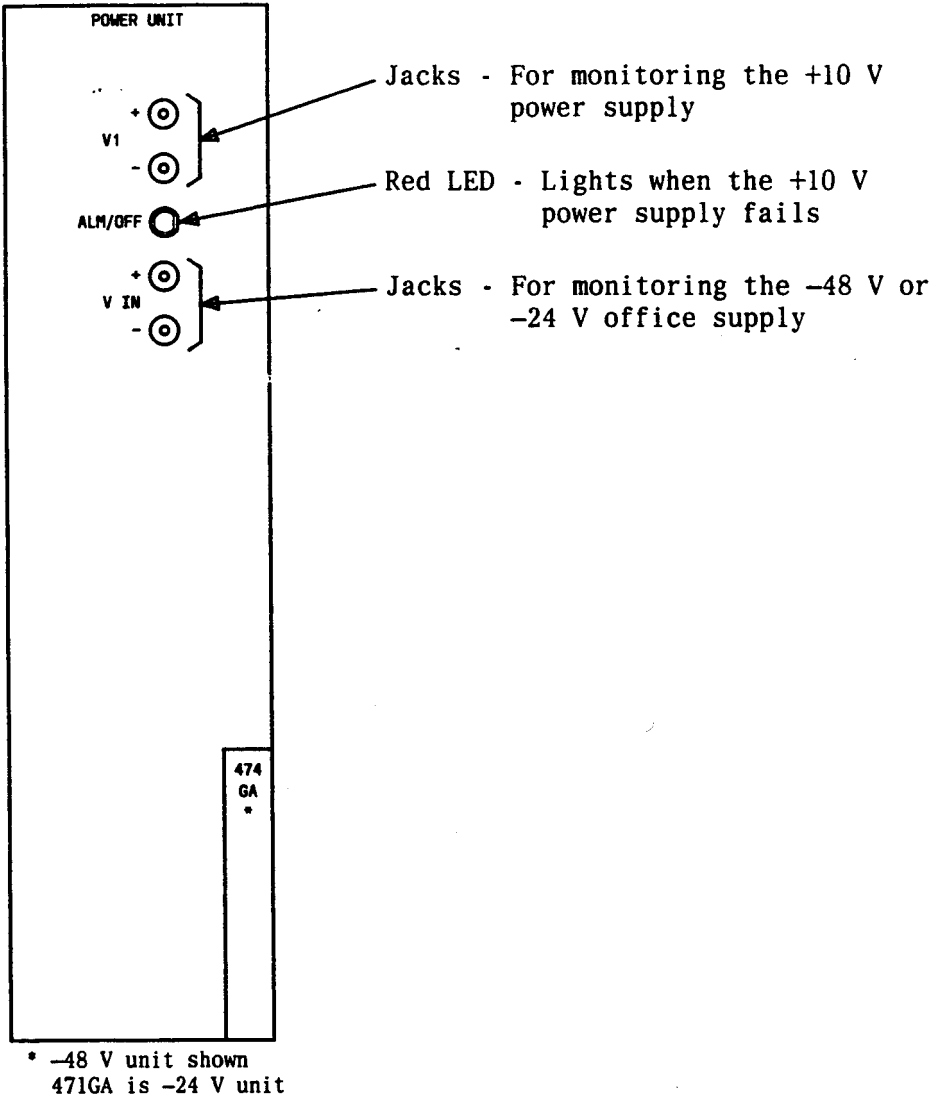


Fig. 6—471/474GA Power Unit

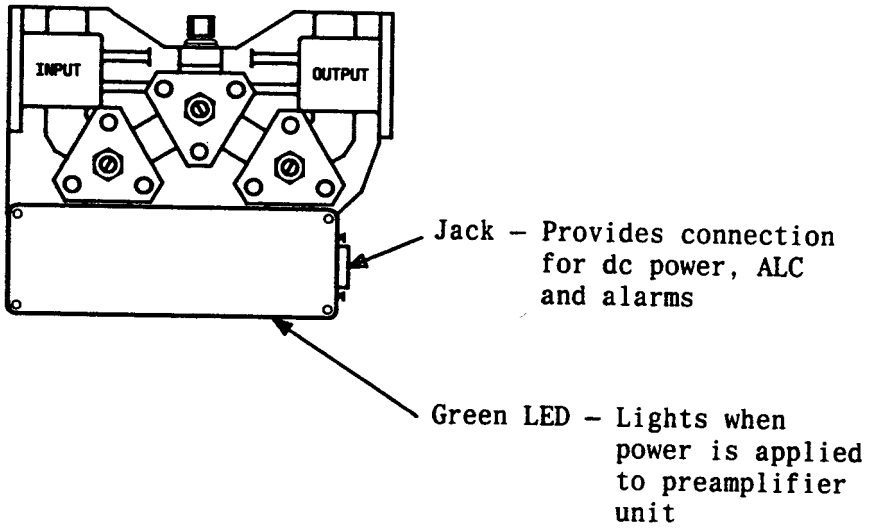


Fig. 7—656() RF Preamplifier

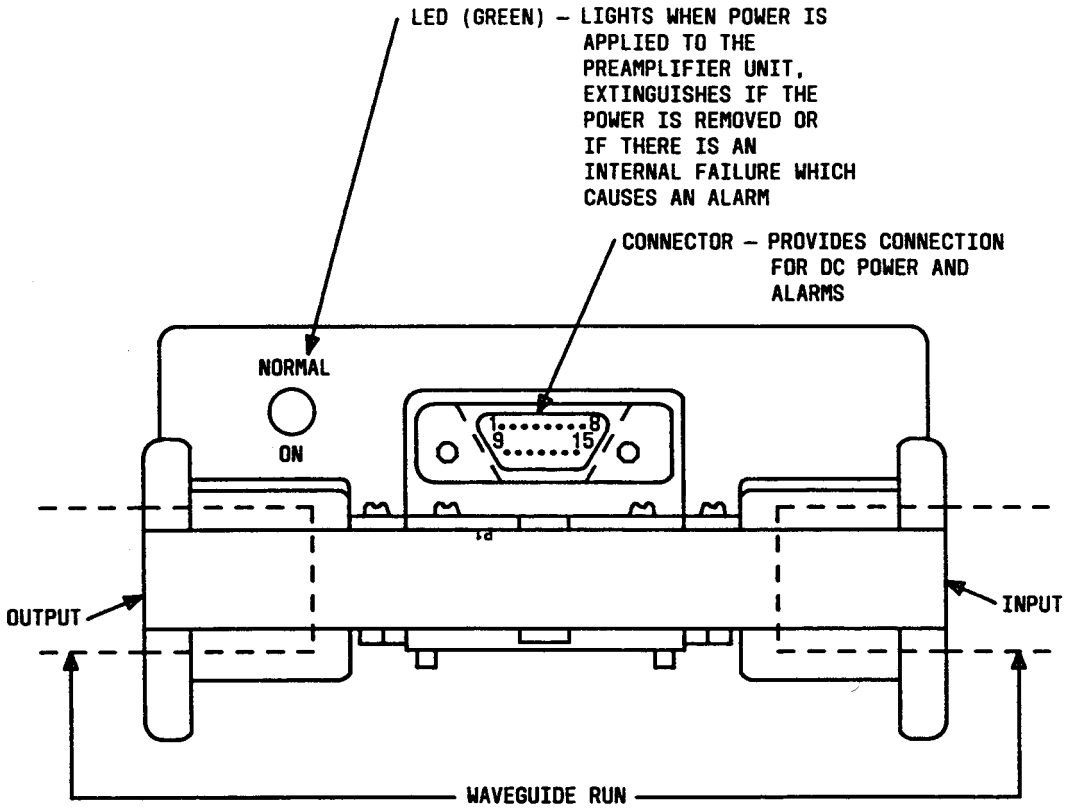


Fig. 8—805B RF Preamplifier (11 GHz)

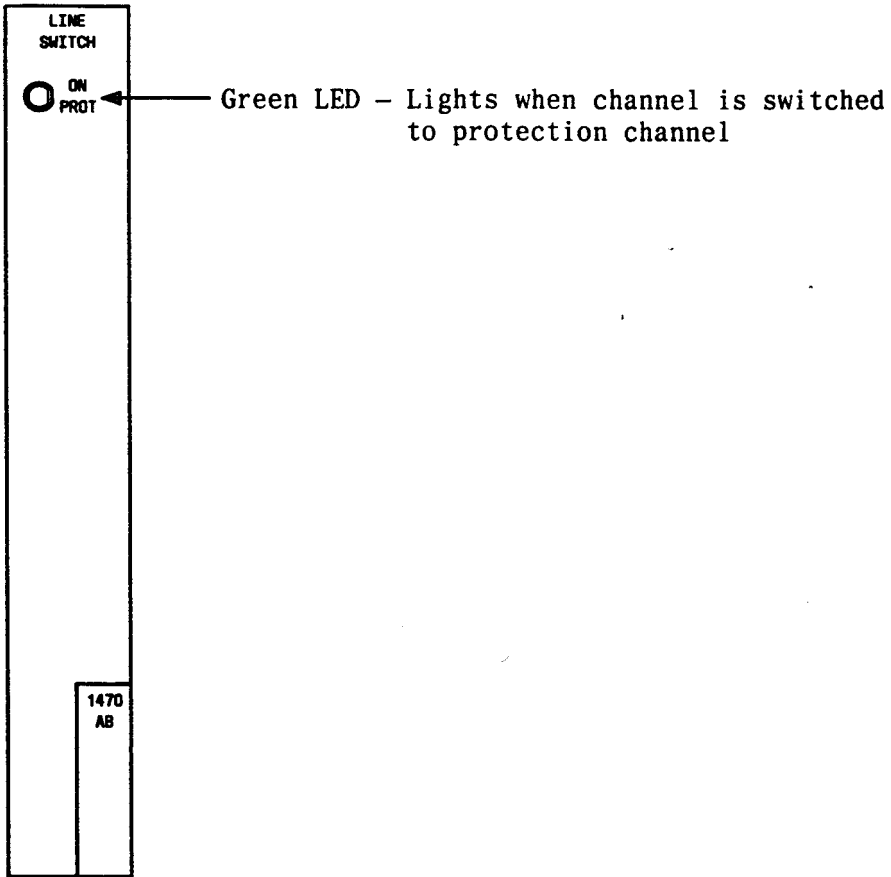


Fig. 9—1470AB Line Switch

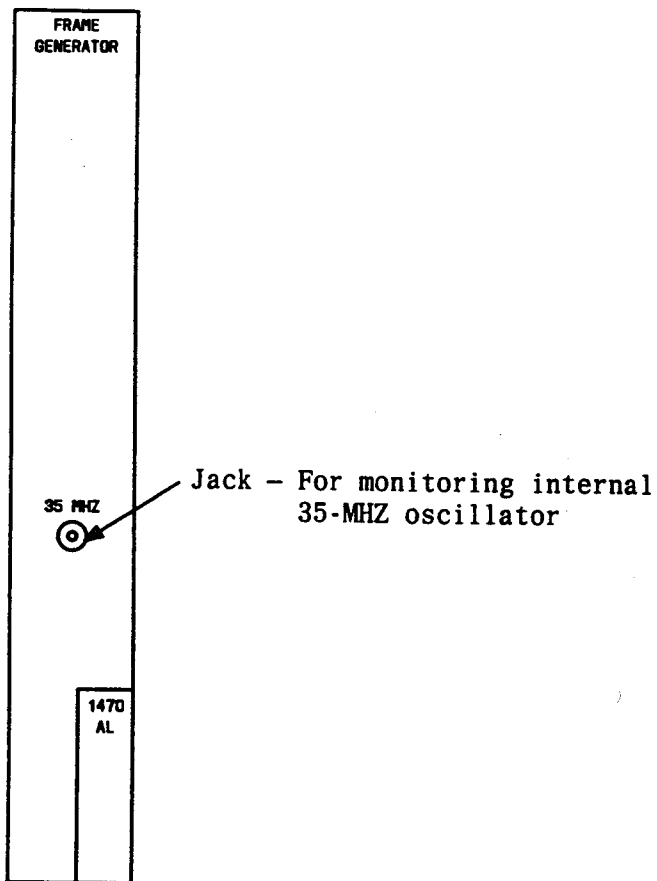


Fig. 10—1470AL Frame Generator

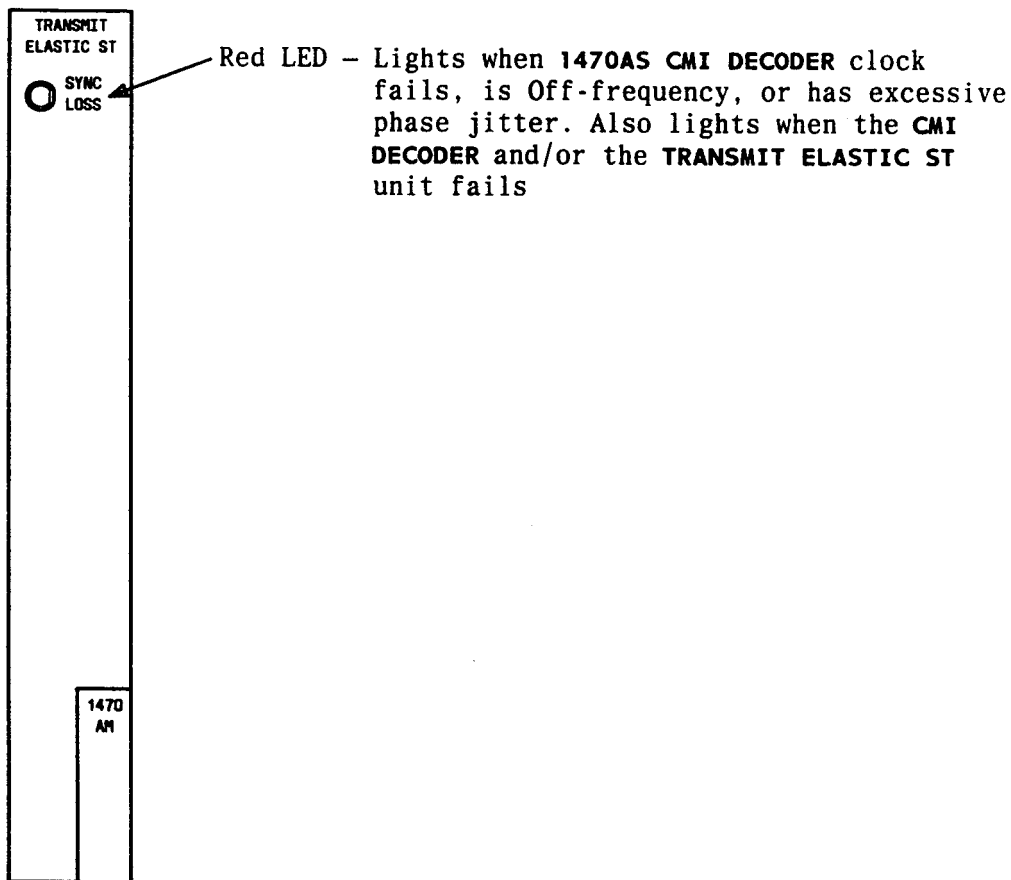


Fig. 11—1470AM Transmit Elastic Store

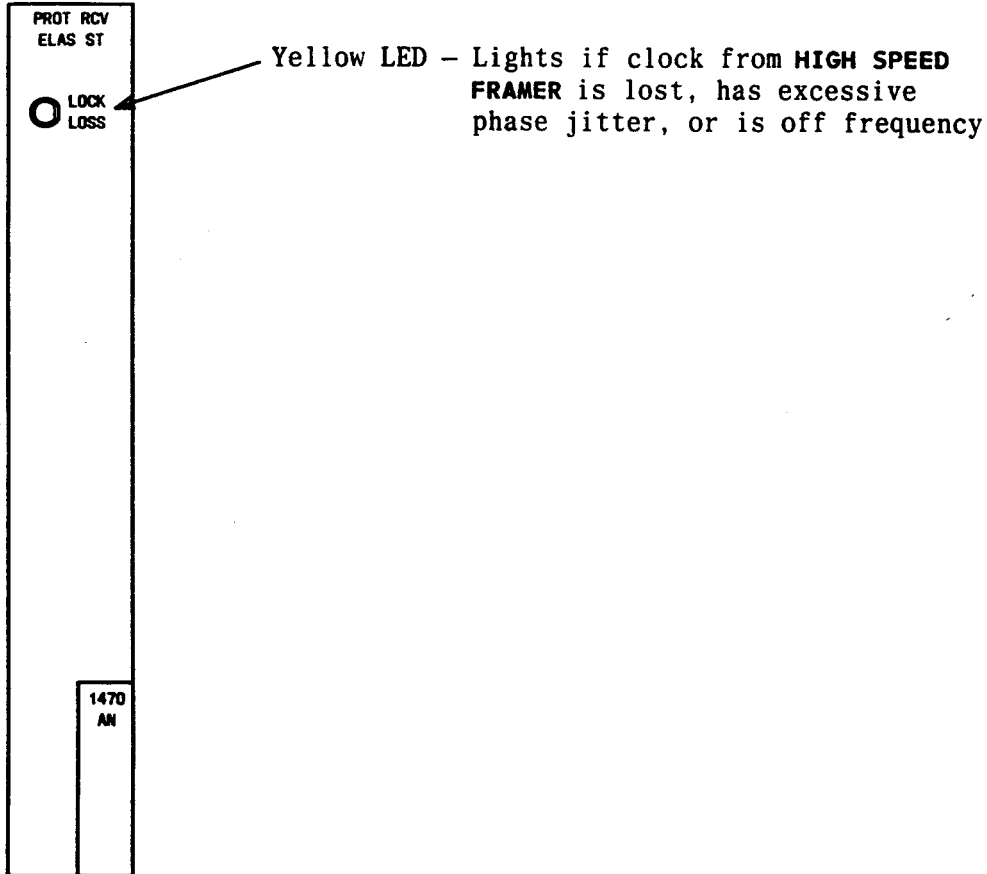


Fig. 12—1470AN Protection Receive Elastic Store

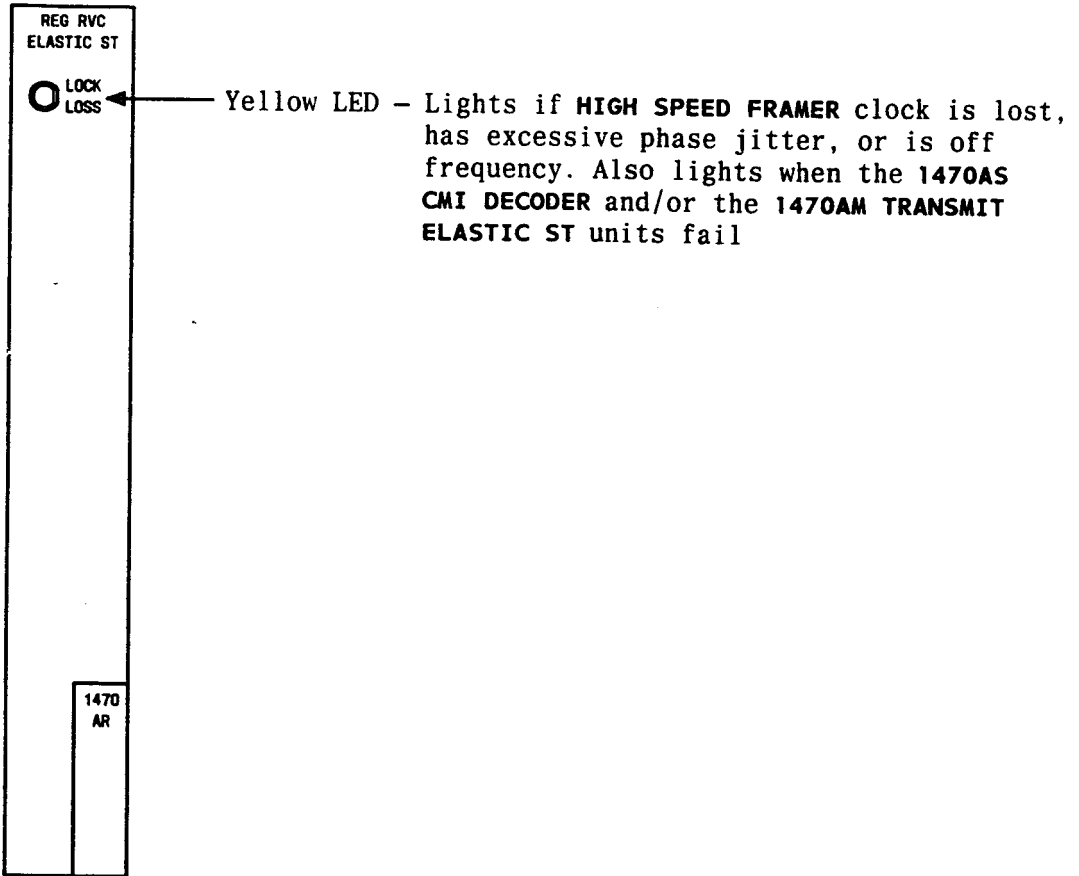


Fig. 13—1470AR Regular Receive Elastic Store

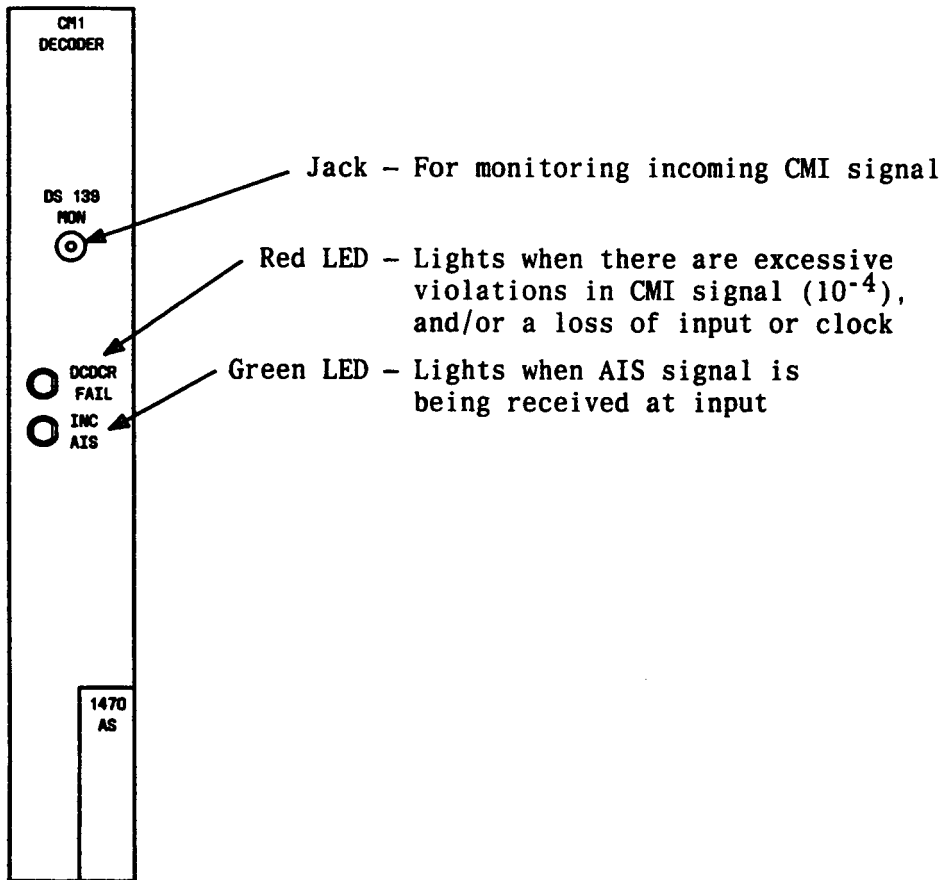


Fig. 14—1470AS CMI Decoder

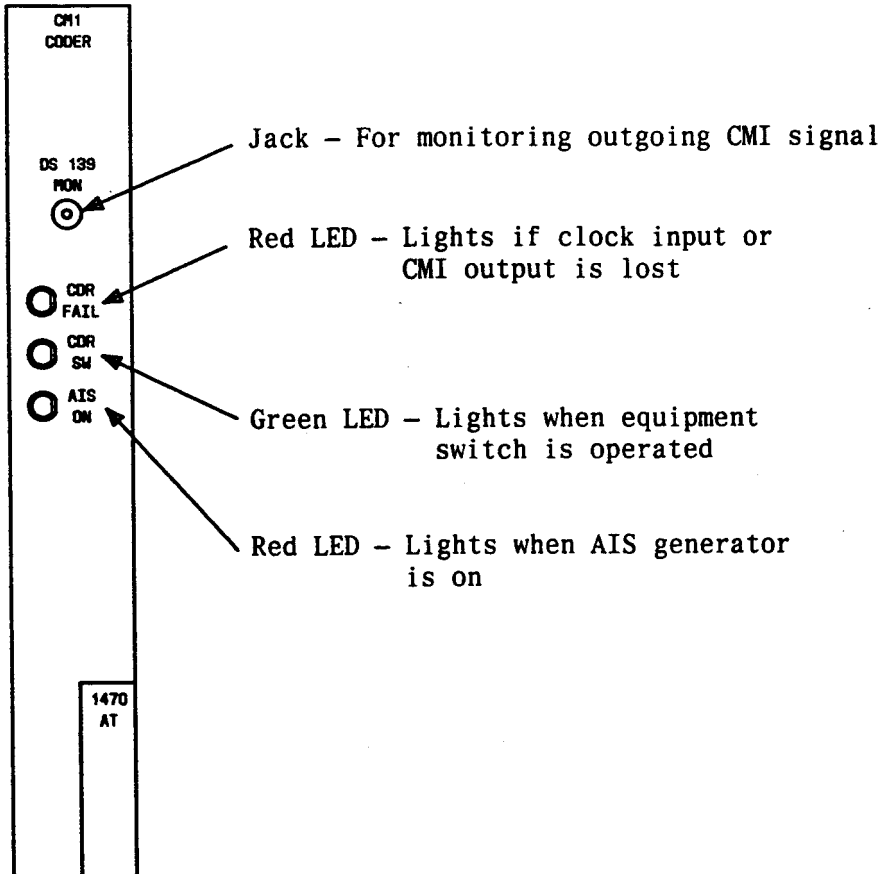


Fig. 15—1470AT CMI Coder

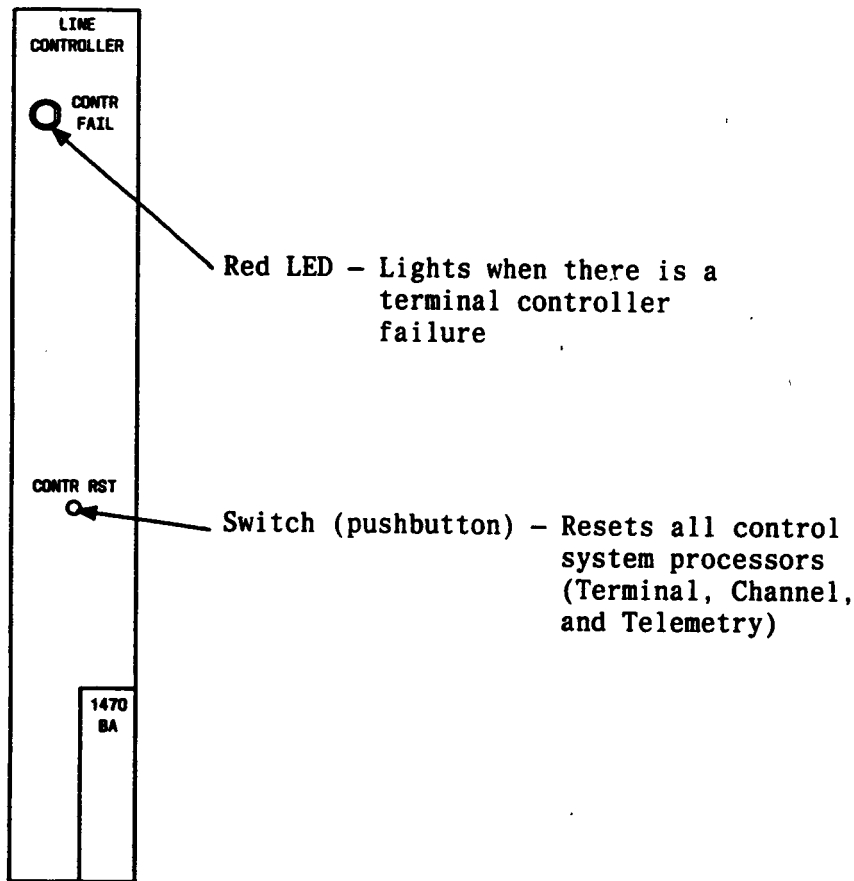


Fig. 16—1470BA Line Controller

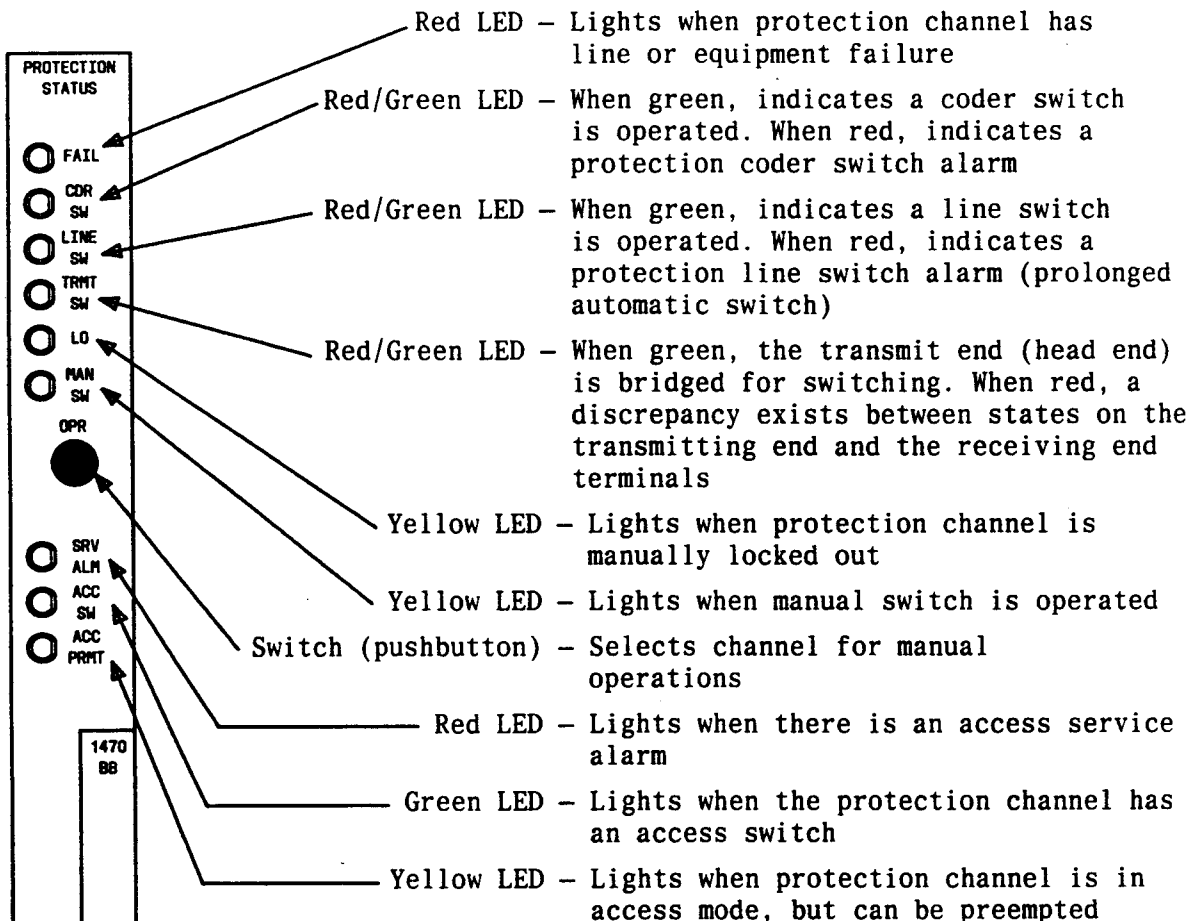


Fig. 17—1470BB Protection Status

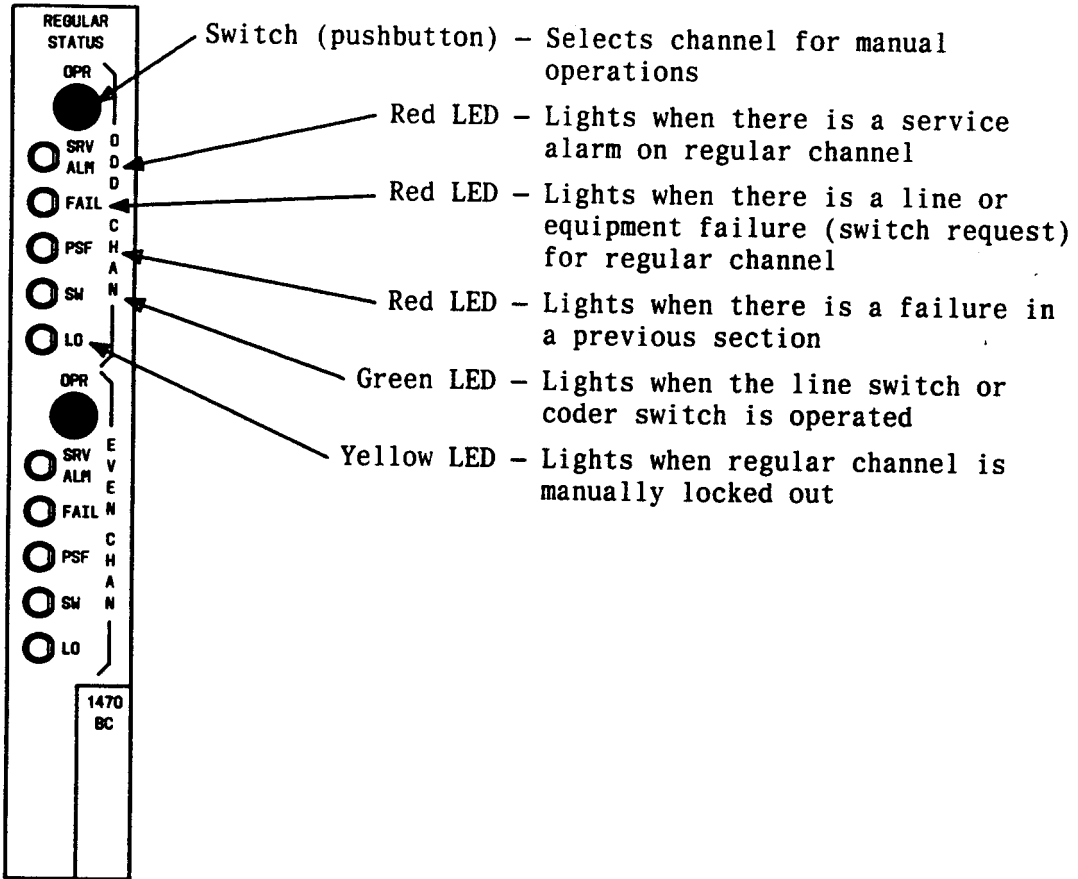


Fig. 18—1470BC Regular Status

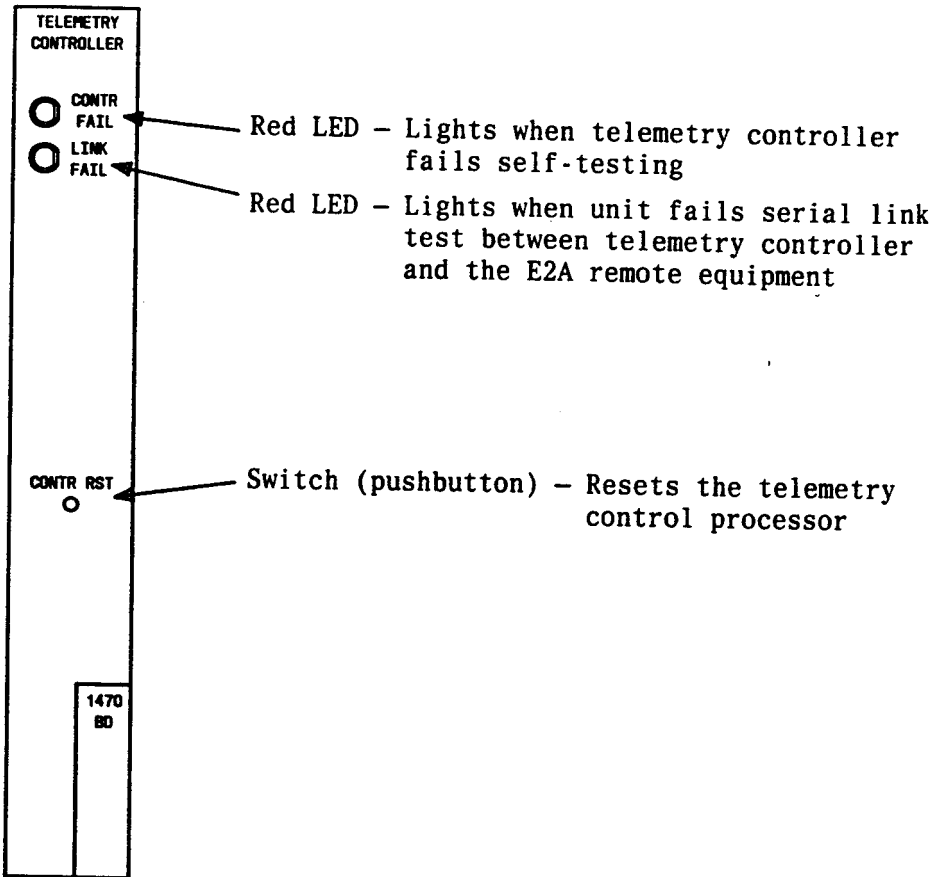


Fig. 19—1470BD Telemetry Controller

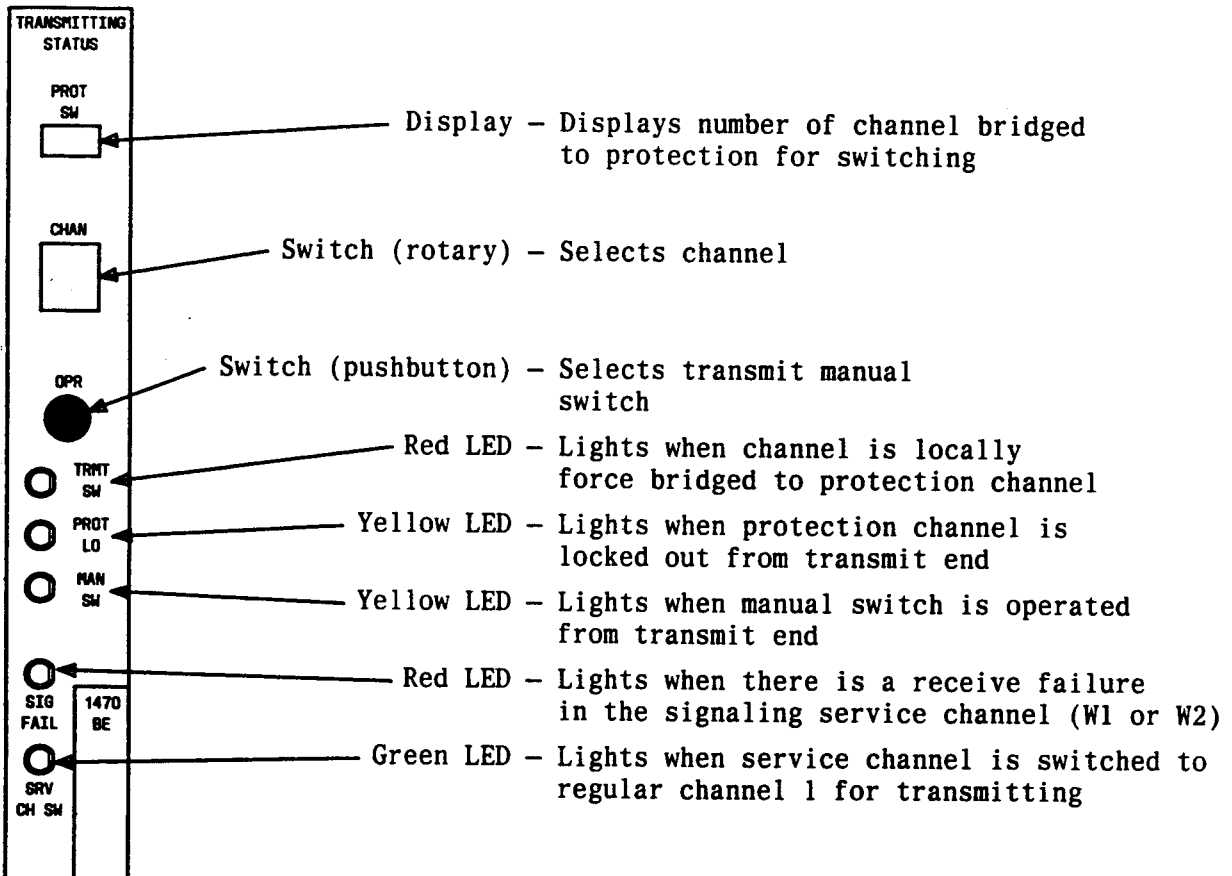


Fig. 20—1470BE Transmitting Status

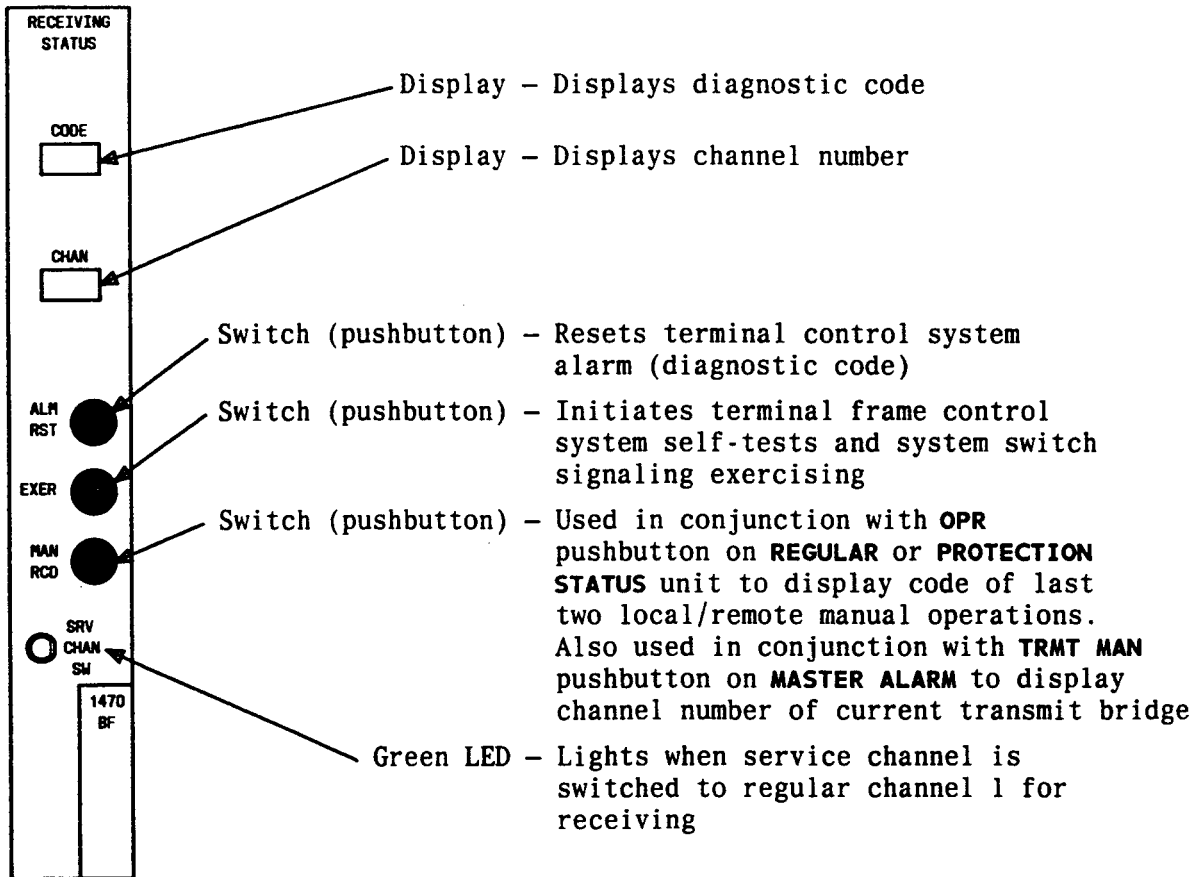


Fig. 21—1470BF Receiving Status

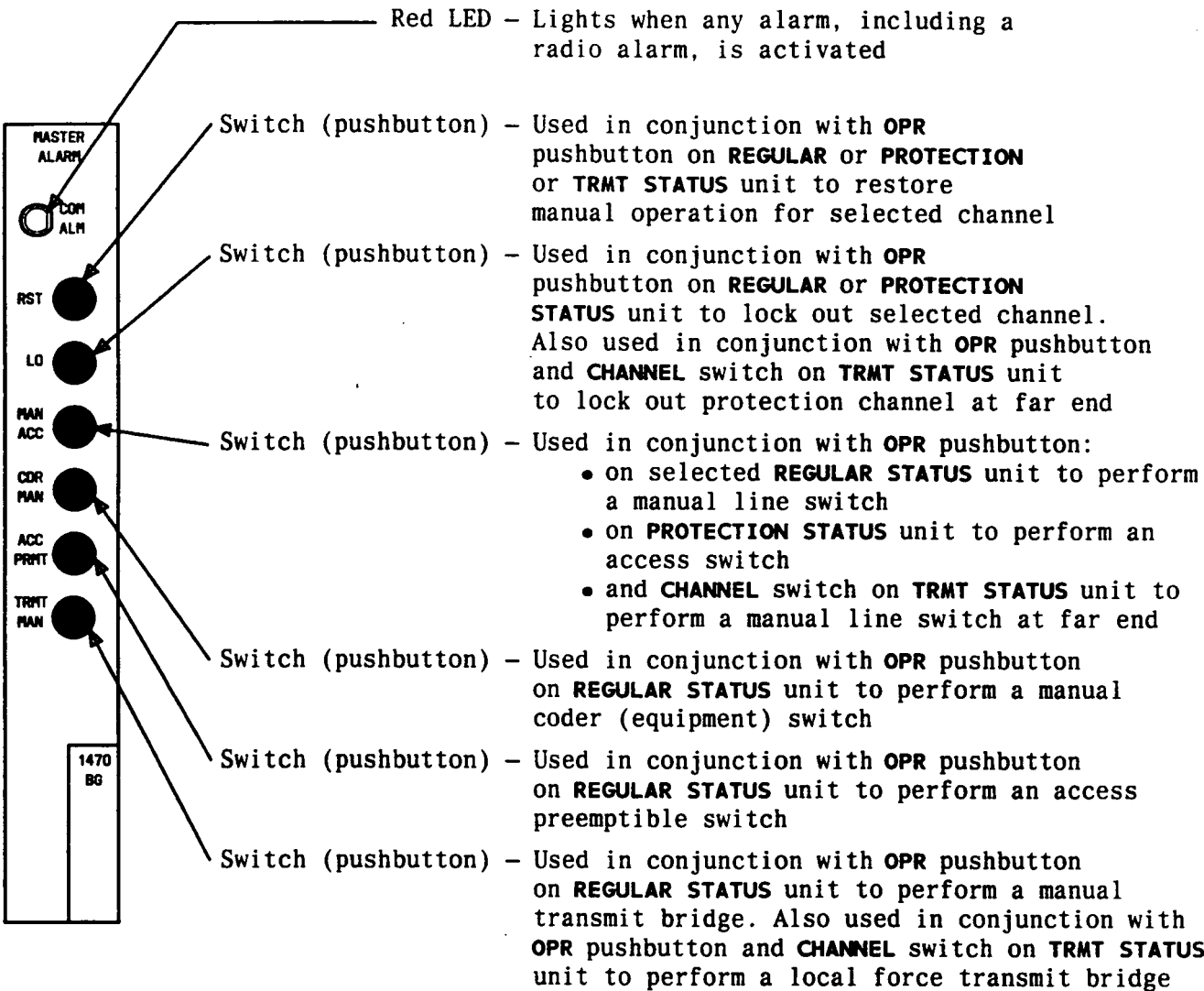


Fig. 22—1470BG Master Alarm

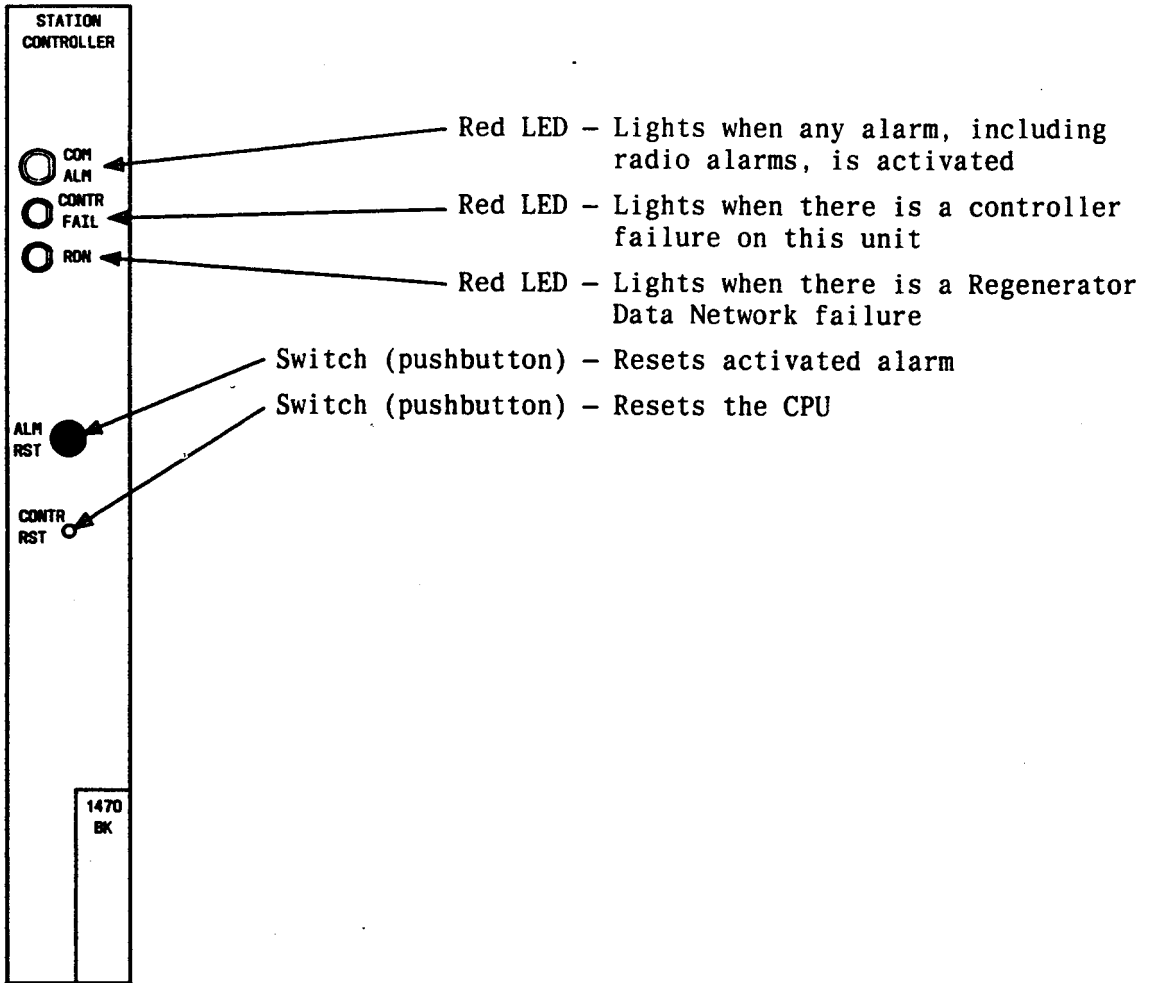


Fig. 23—1470BK Station Controller

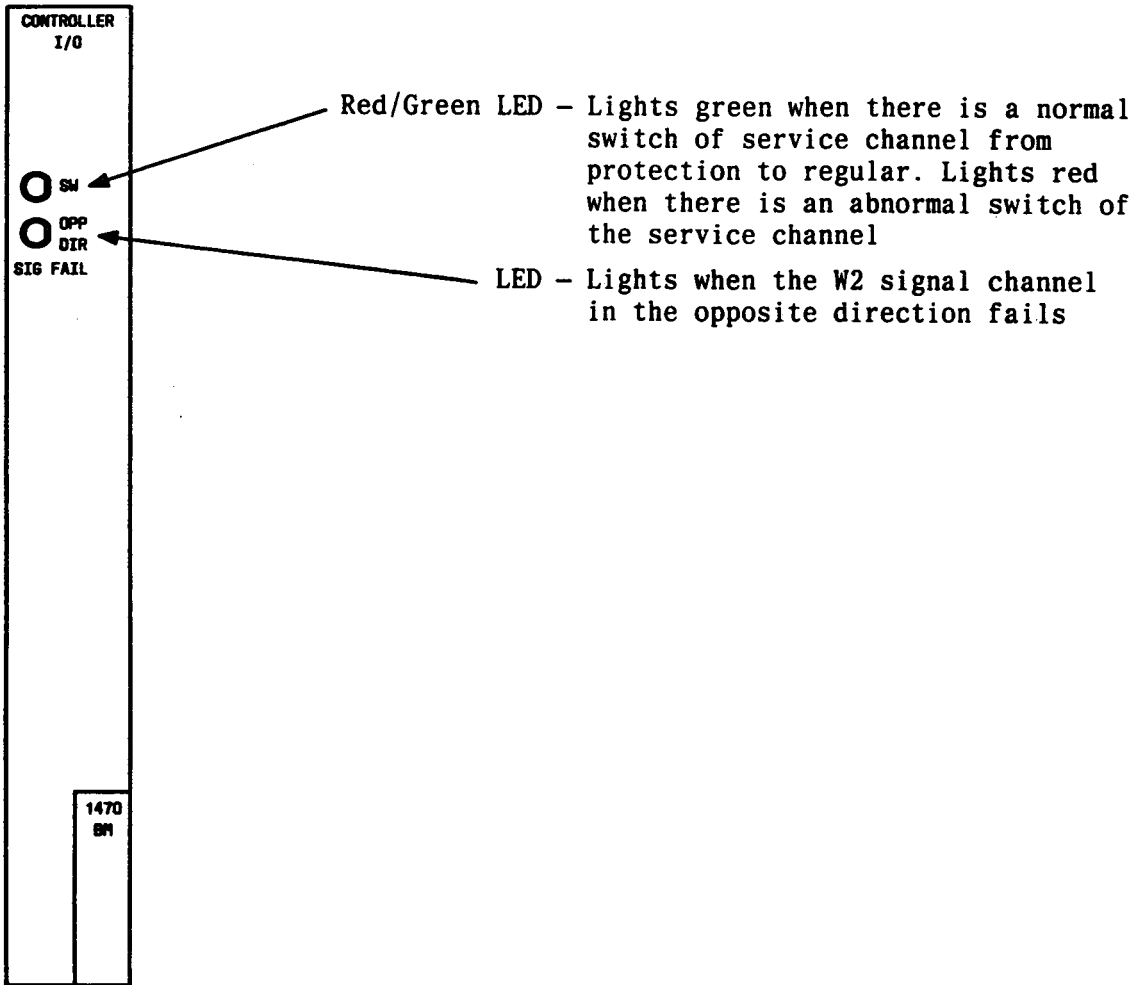


Fig. 24—1470BM Controller I/O

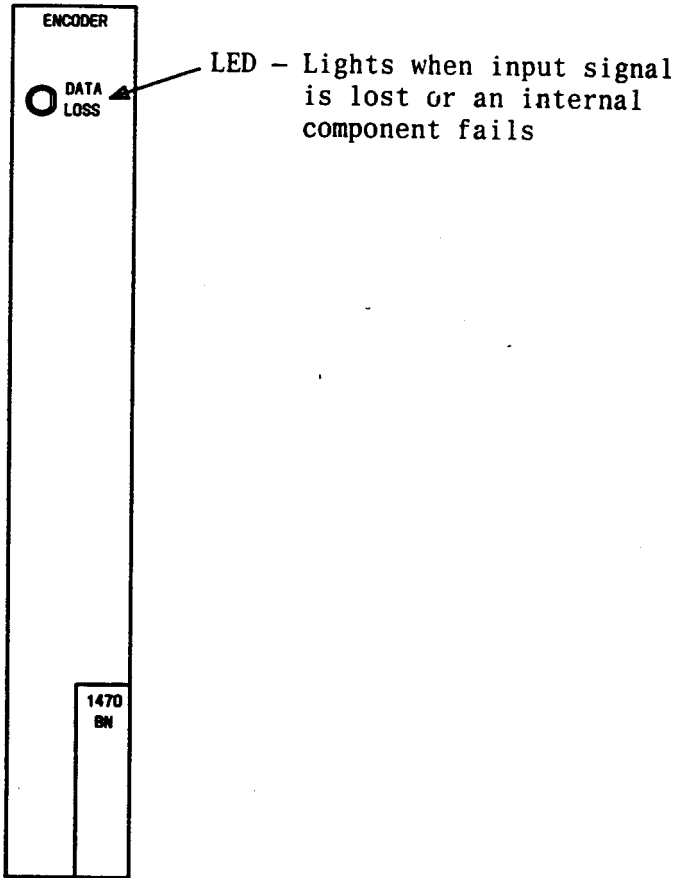


Fig. 25—1470BN Encoder

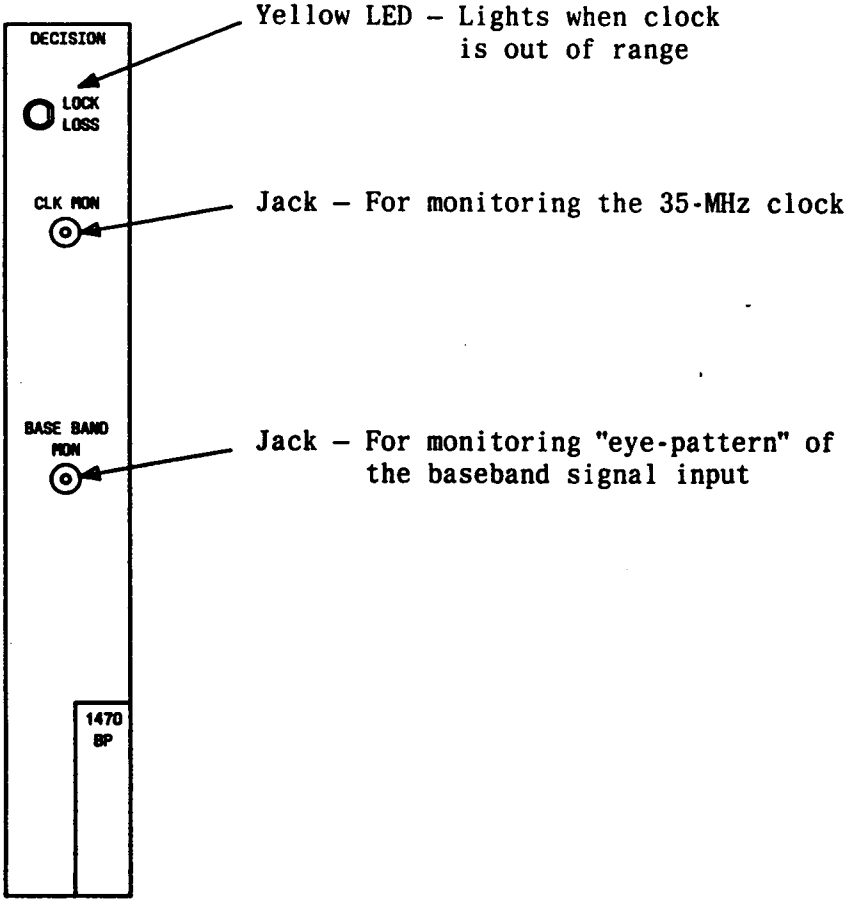


Fig. 26—1470BP Decision

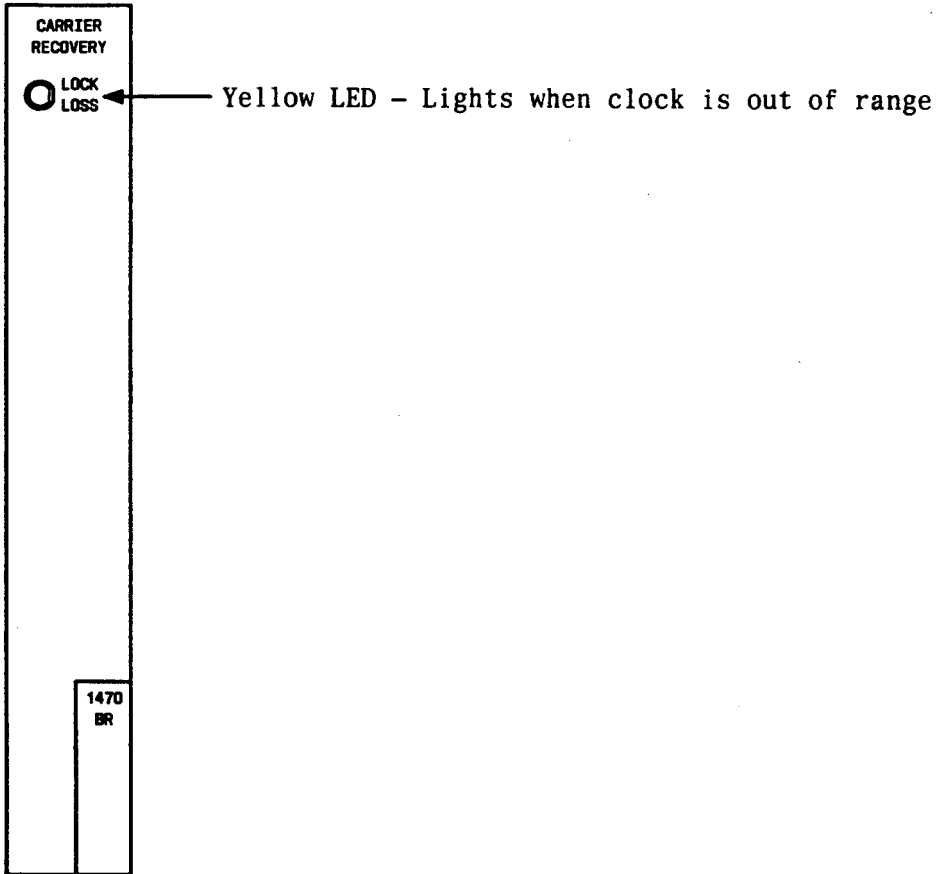


Fig. 27—1470BR Carrier Recovery

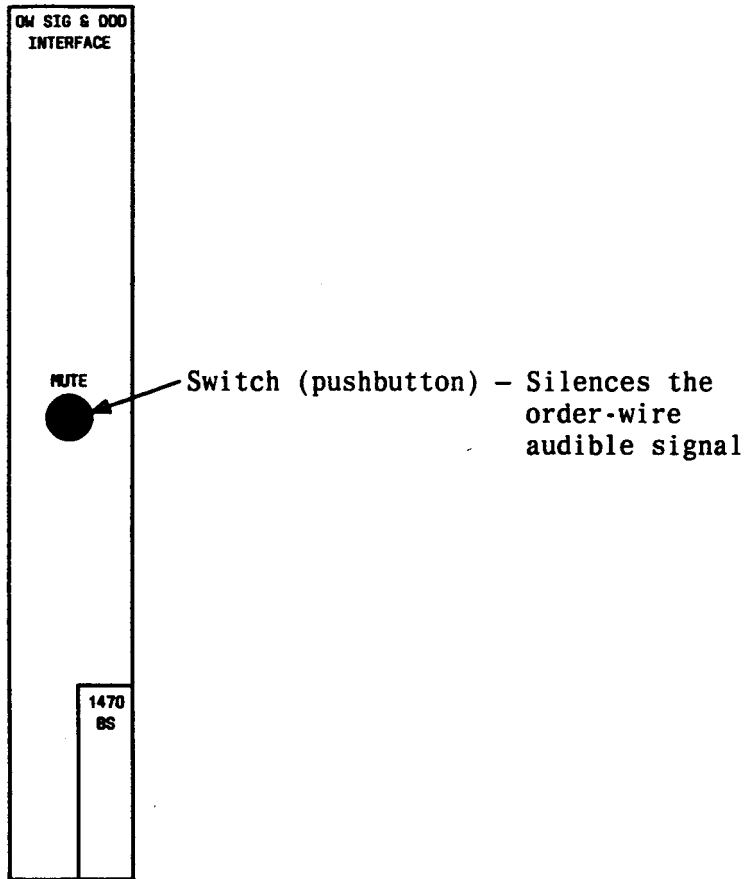


Fig. 28—1470BS Order-Wire Signal and DDD Interface

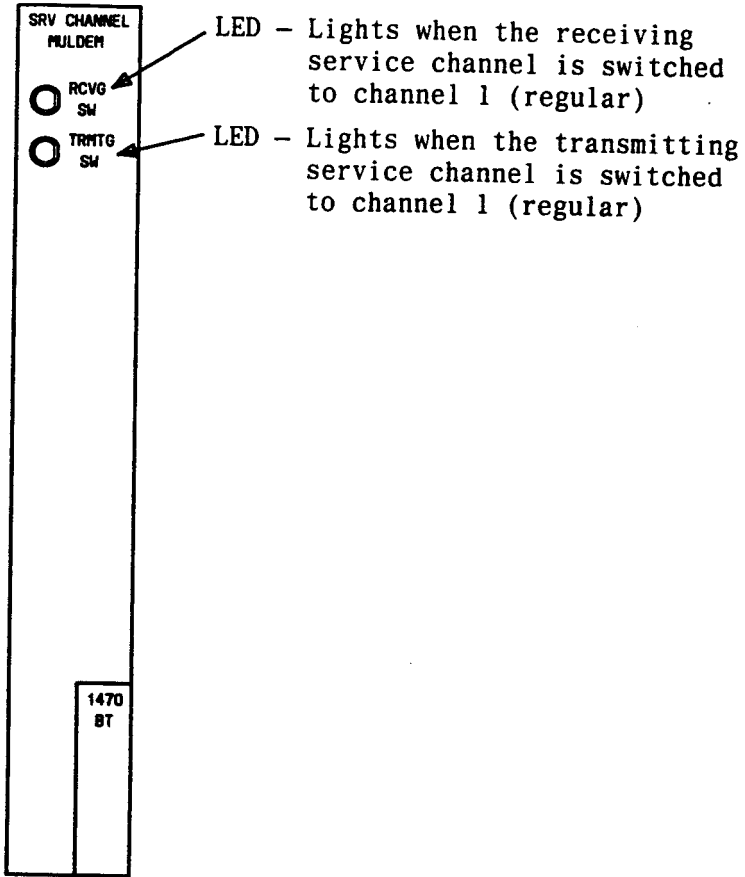


Fig. 29—1470BT Service Channel Muldem

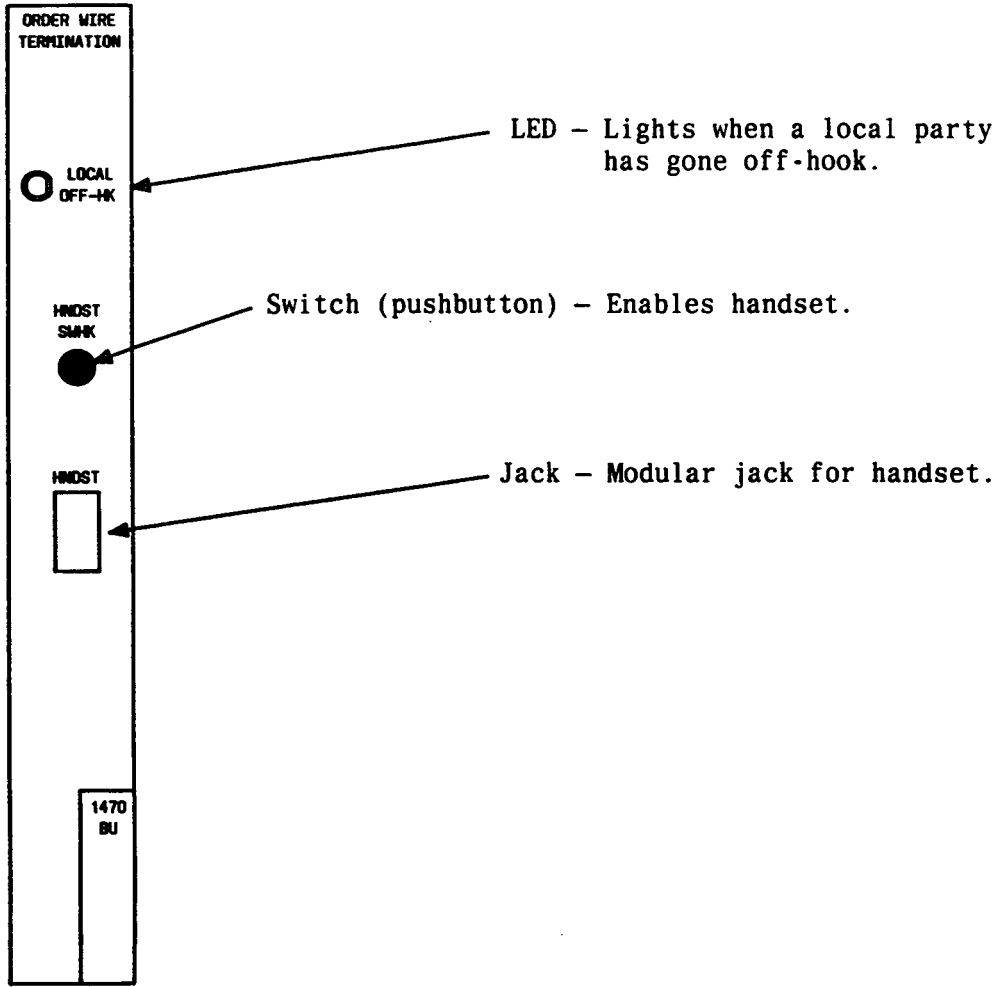


Fig. 30—1470BU Order-Wire Termination



Fig. 31—1470BW Service Channel Interface

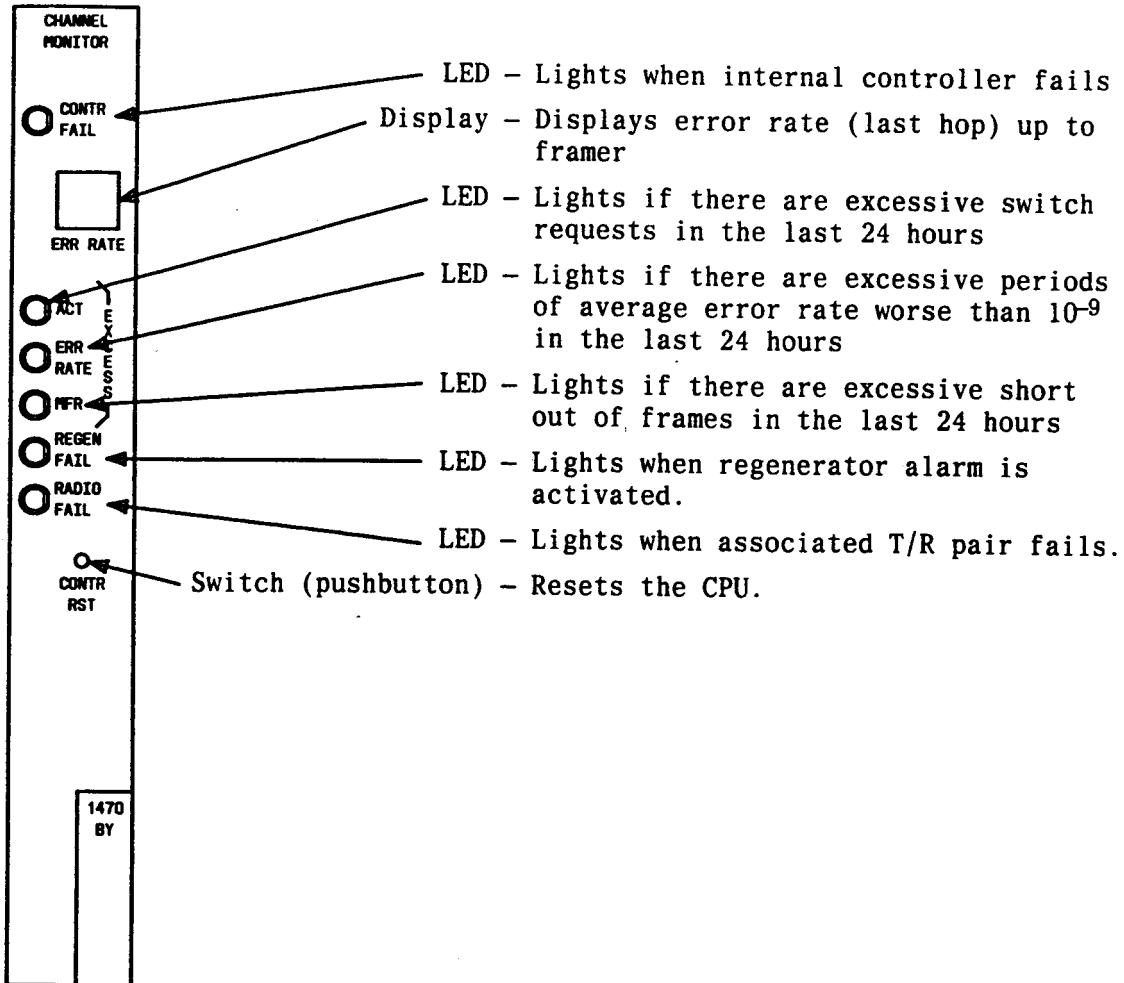


Fig. 32—1470BY Channel Monitor

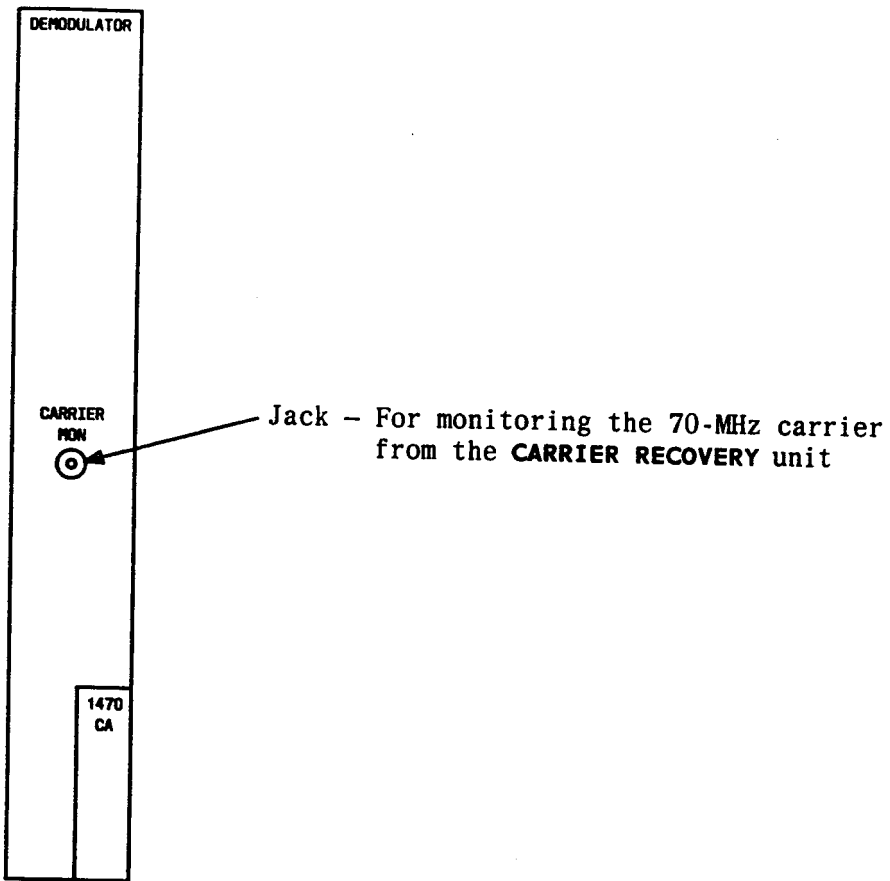


Fig. 33—1470CA Demodulator

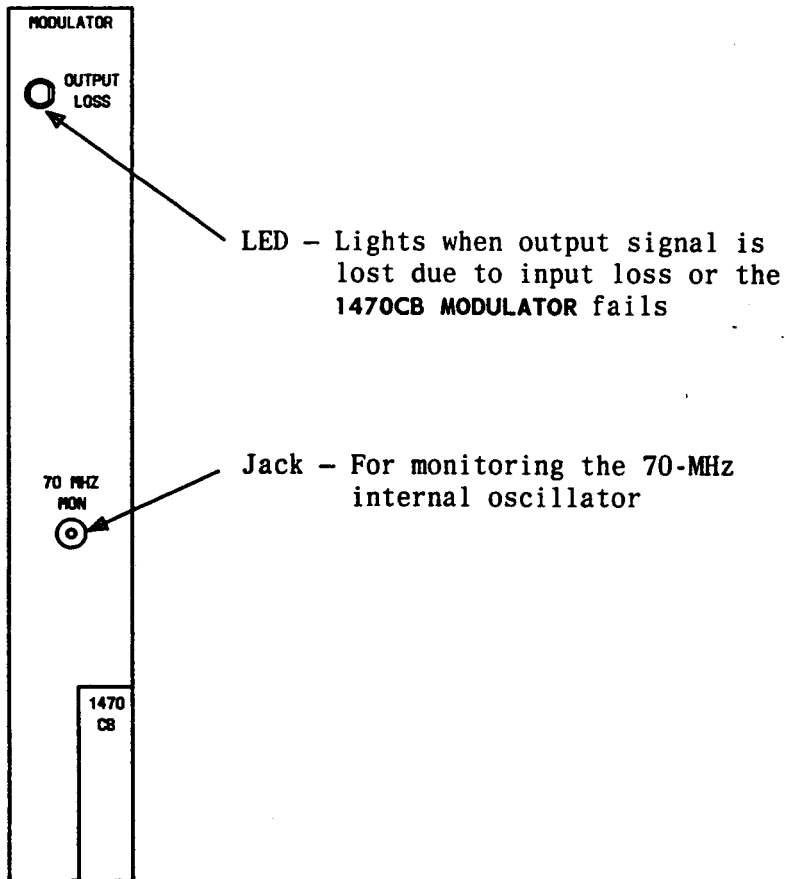


Fig. 34—1470CB Modulator

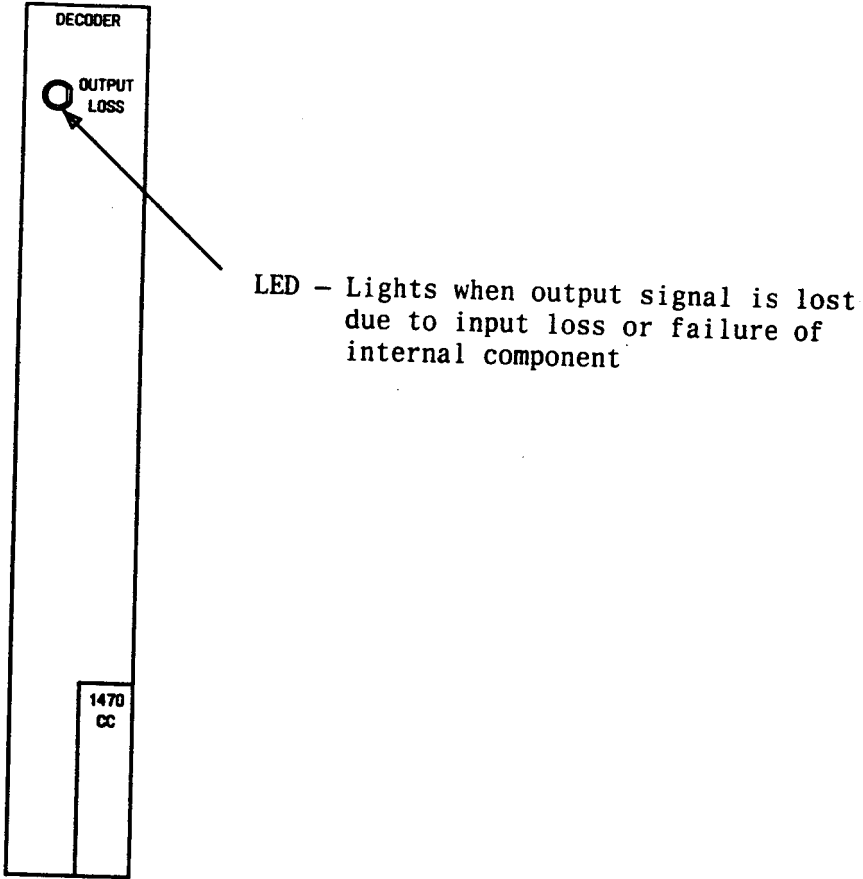


Fig. 35—1470CC Decoder

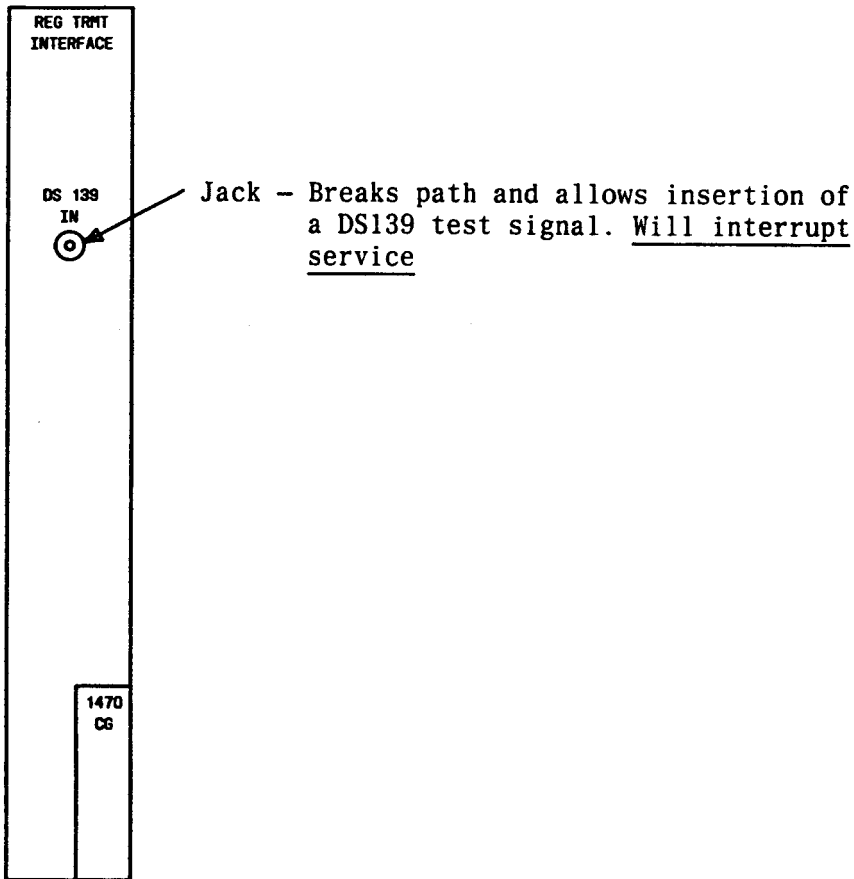


Fig. 36—1470CG Regular Transmit Interface

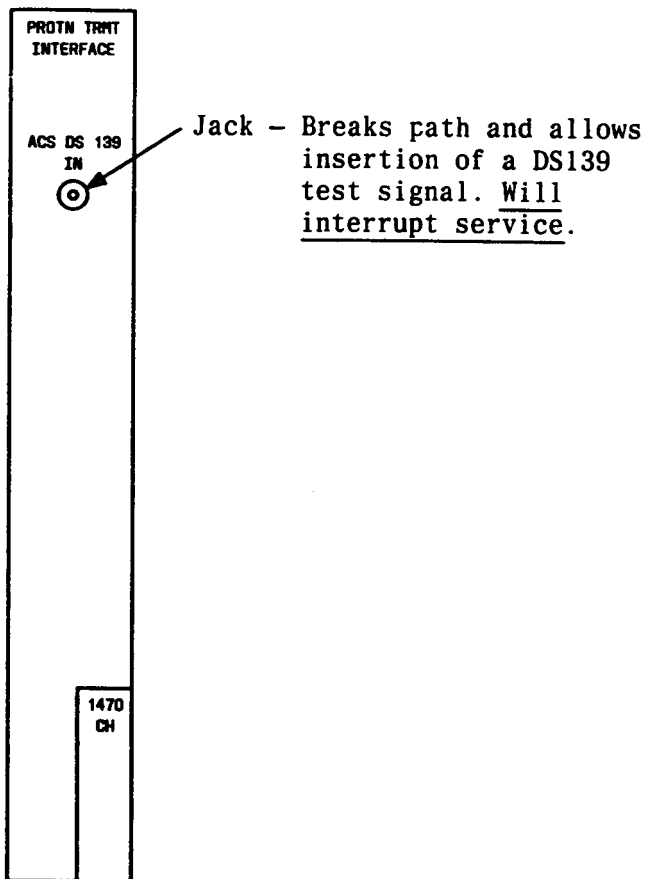


Fig. 37—1470CH Protection Transmit Interface

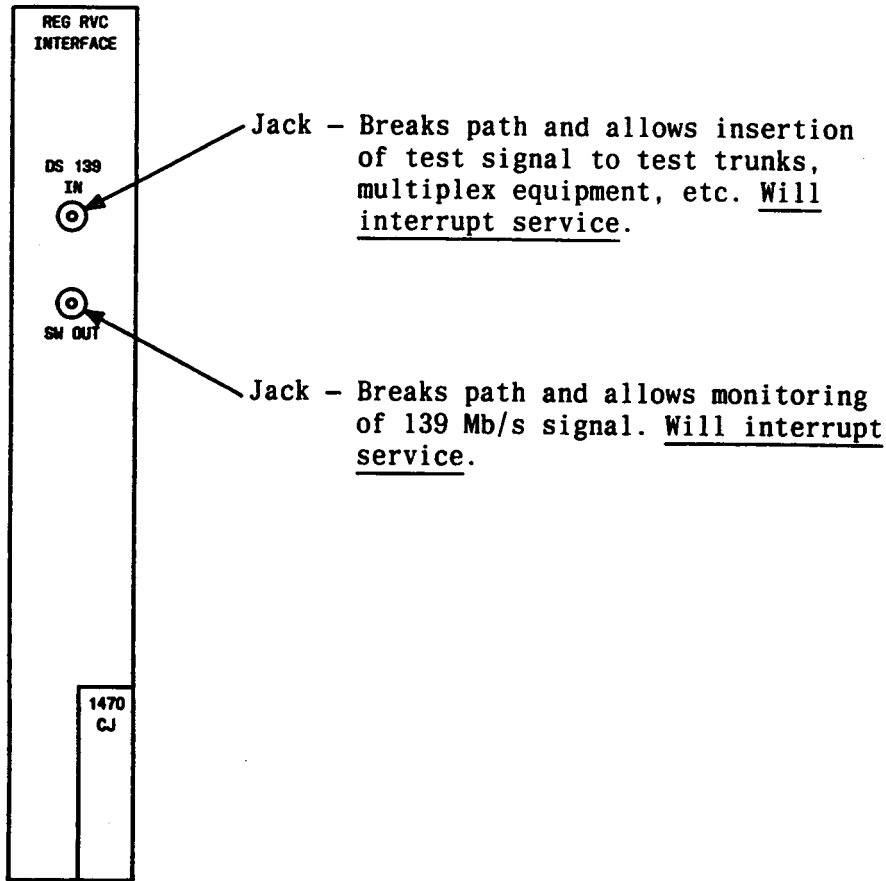


Fig. 38—1470CJ Regular Receive Interface

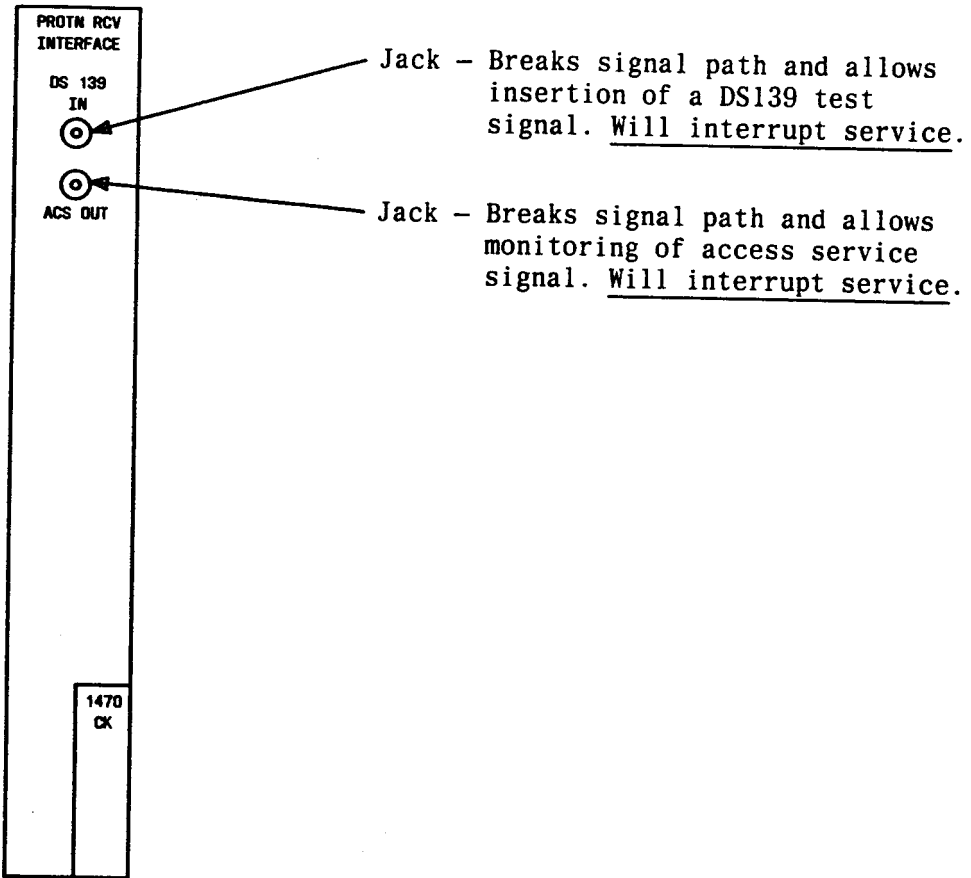


Fig. 39—1470CK Protection Receive Interface

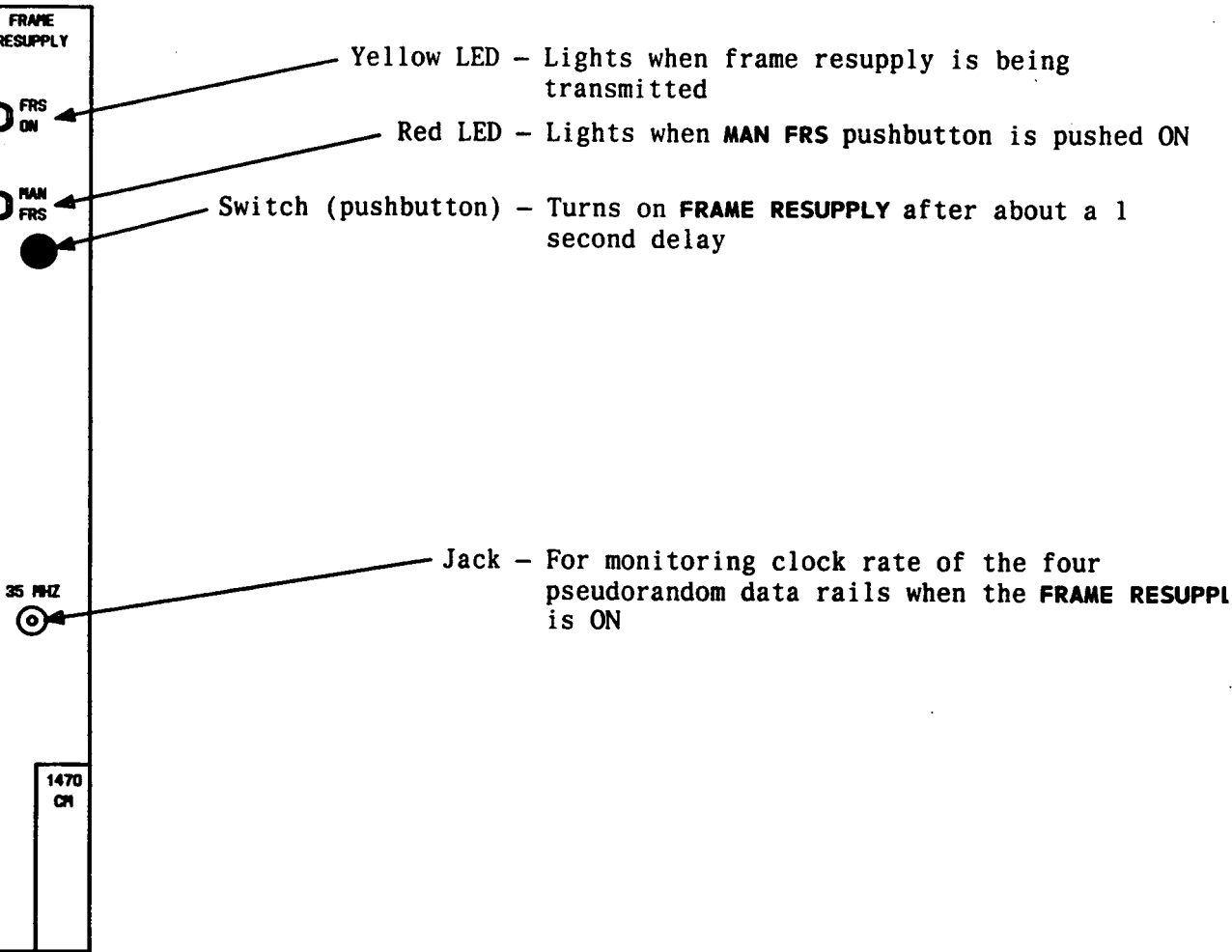


Fig. 40—1470CM Frame Resupply

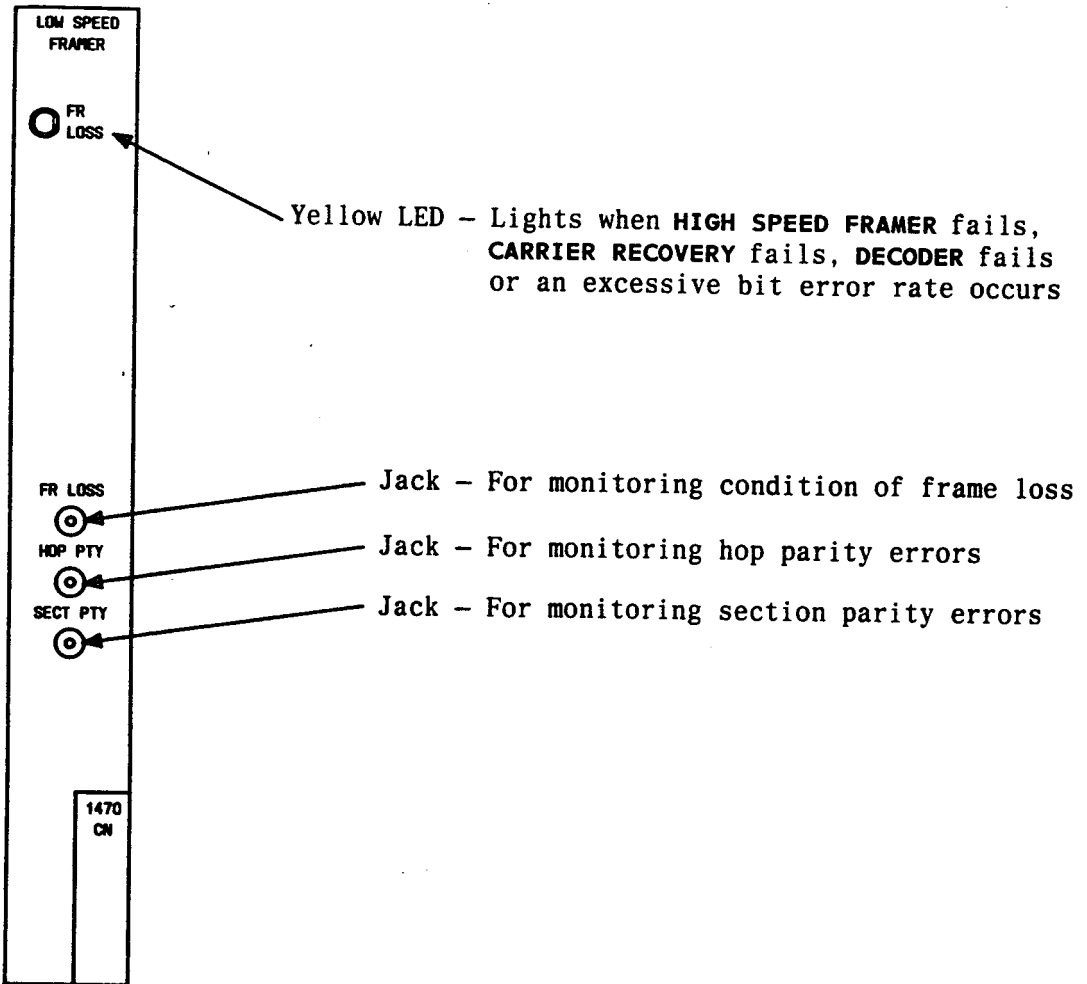


Fig. 41—1470CN Low Speed Framer

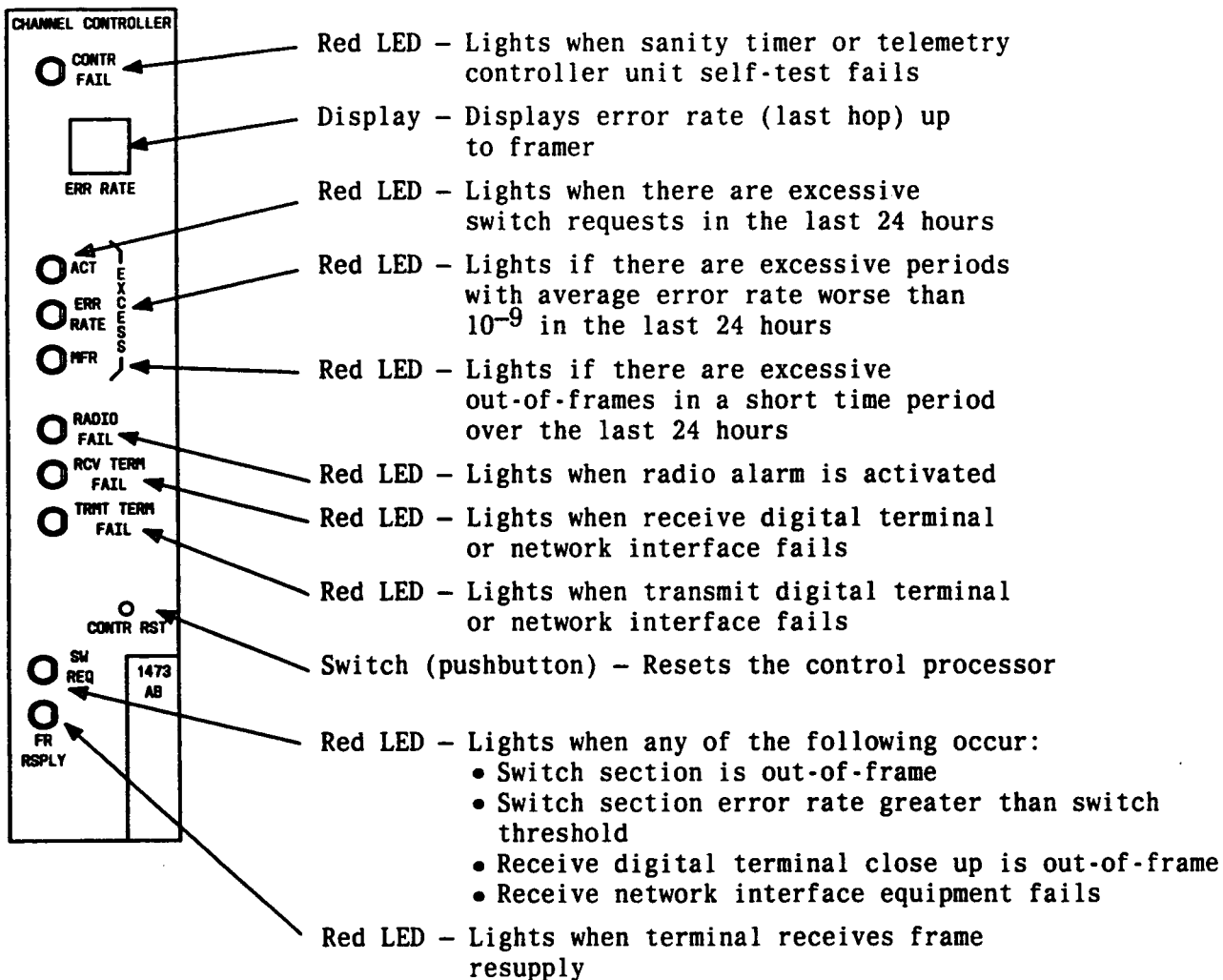


Fig. 42—1473AB Channel Controller

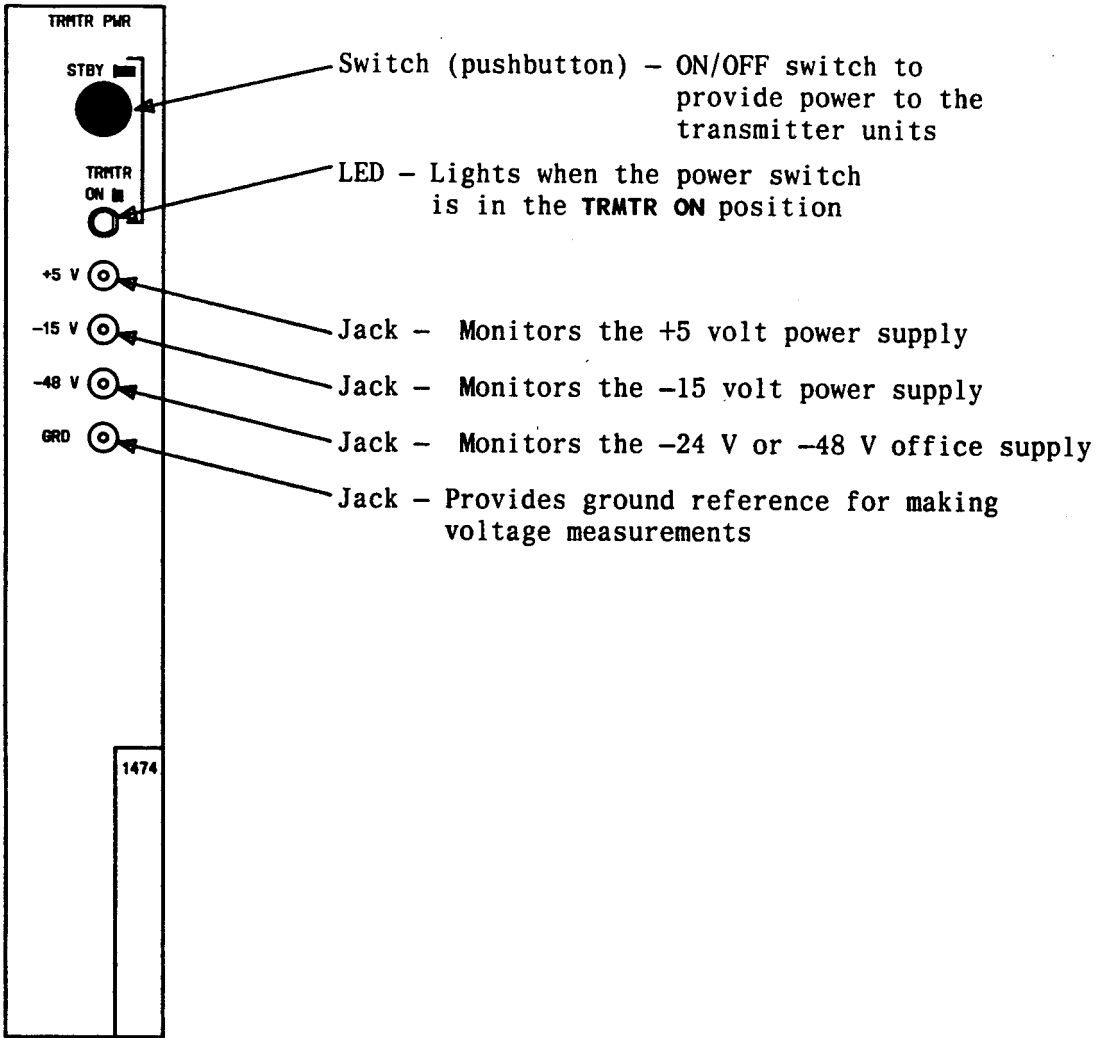


Fig. 43—1474AA/AC Transmitter Power

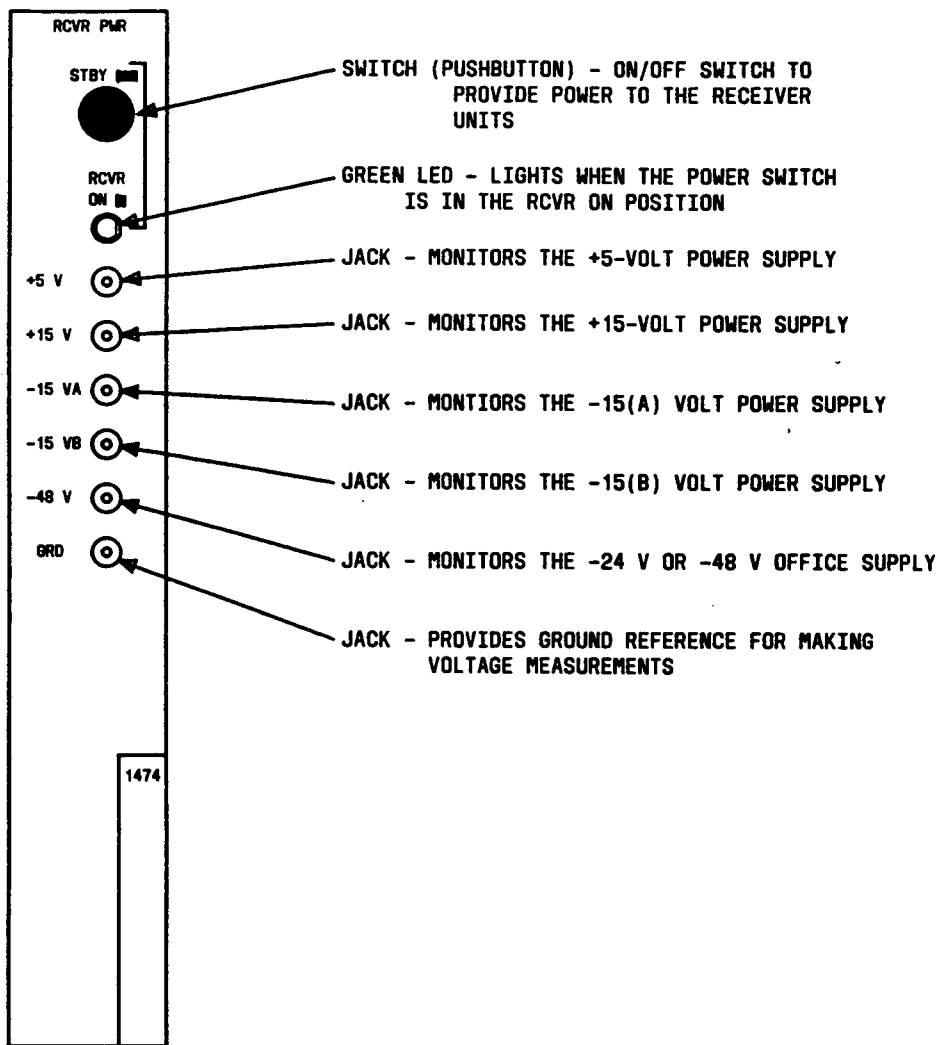


Fig. 44—1474AB/AD Receiver Power

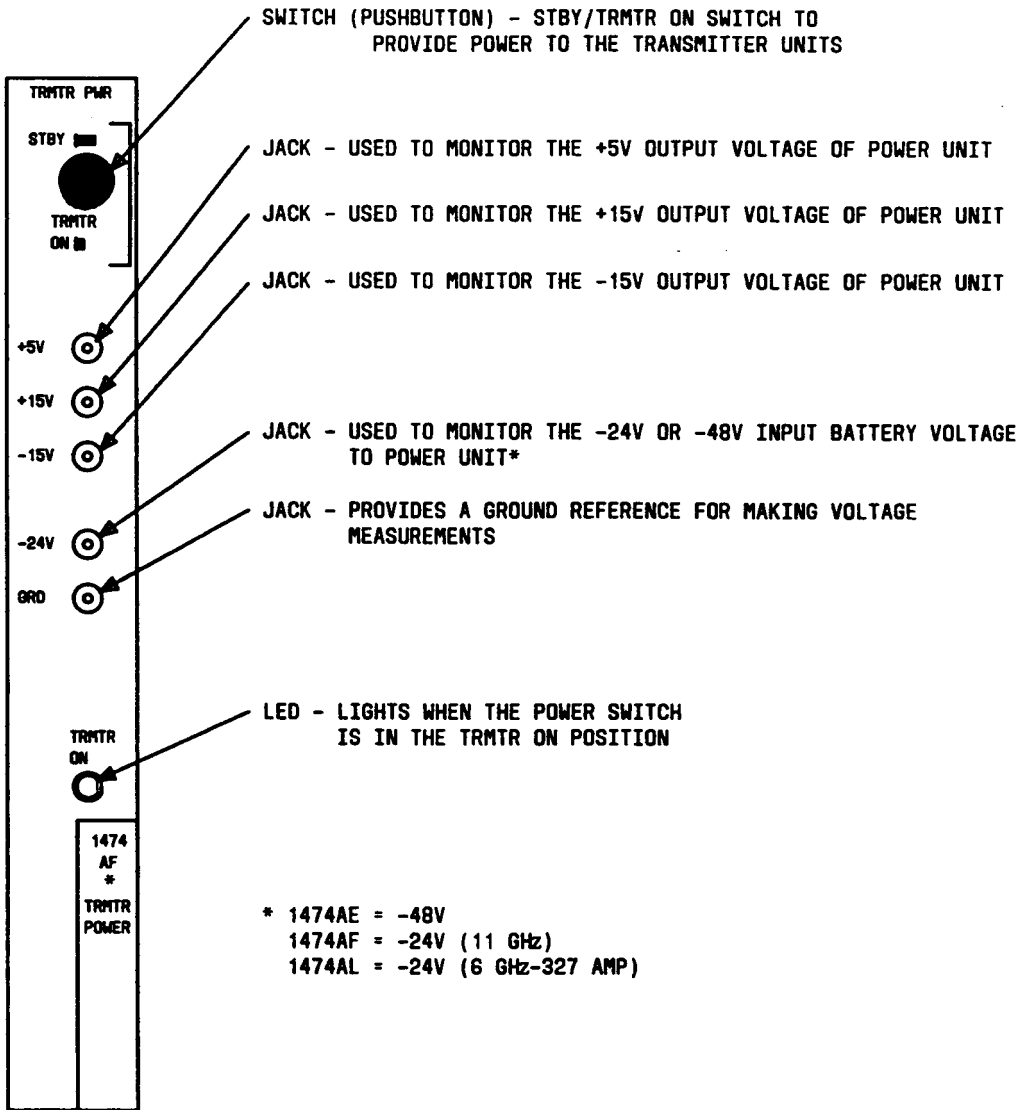


Fig. 45—1474AE/AF/AL Transmitter Power

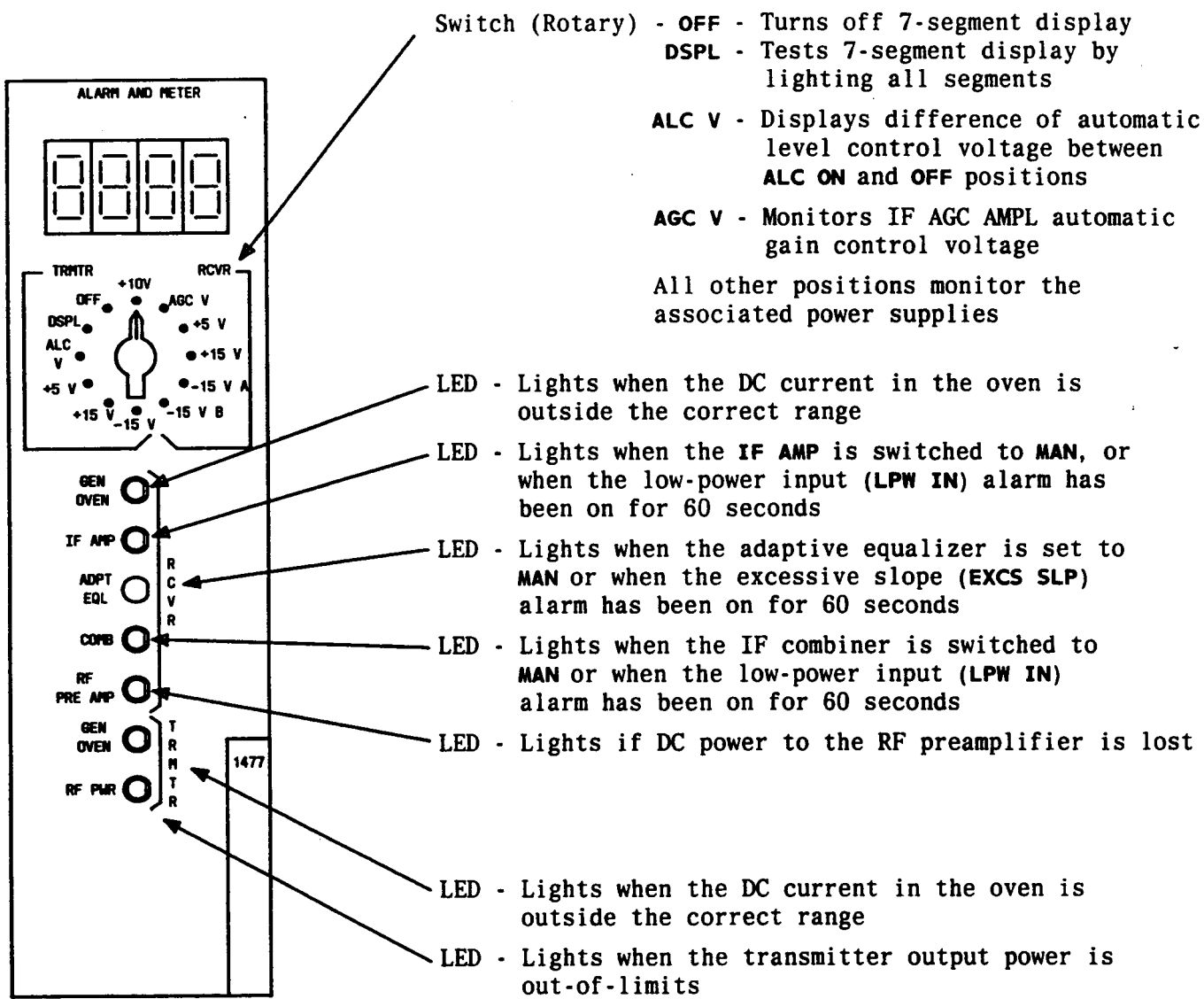


Fig. 46—1477 Alarm and Meter

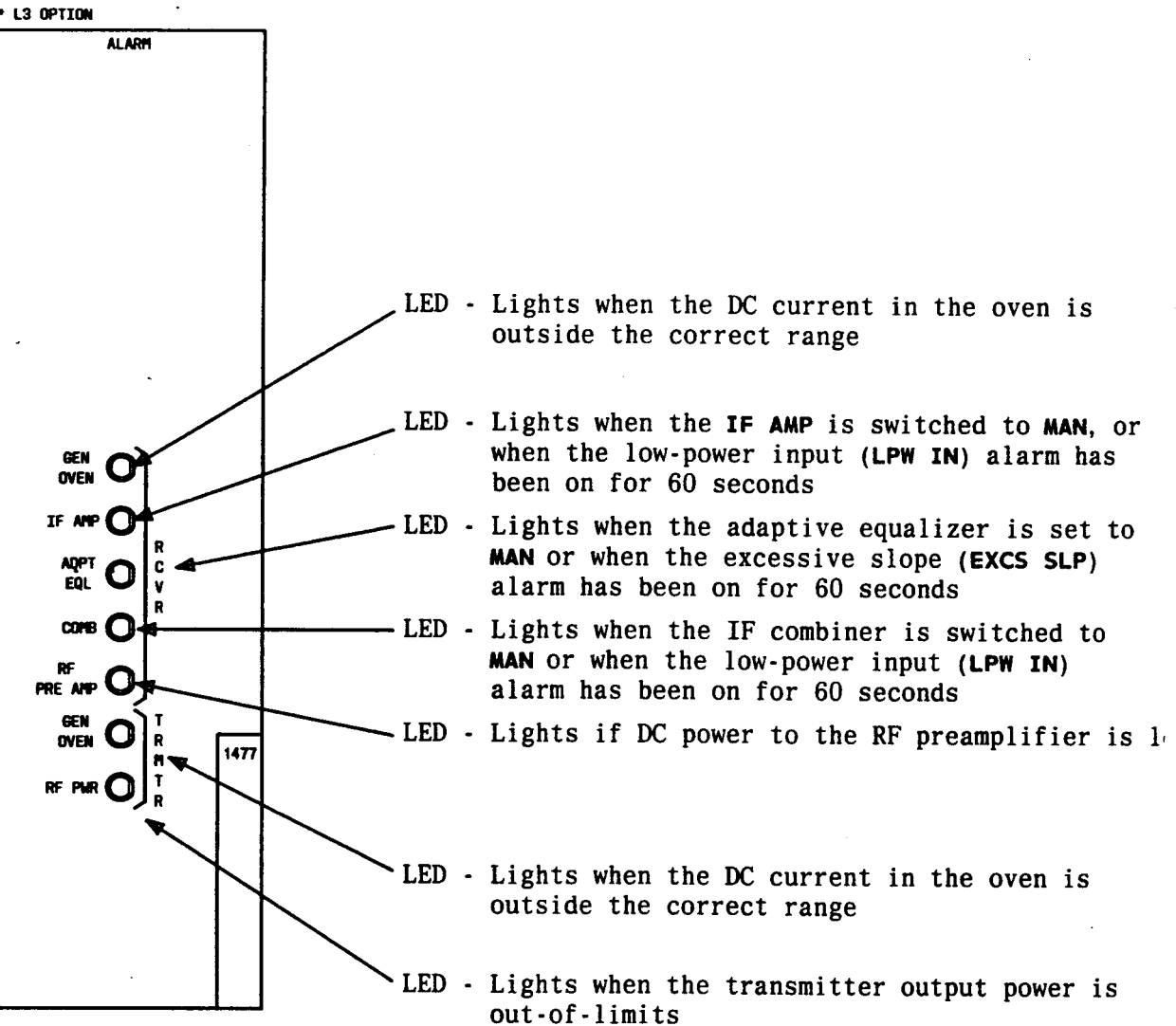


Fig. 47—1477 Alarm

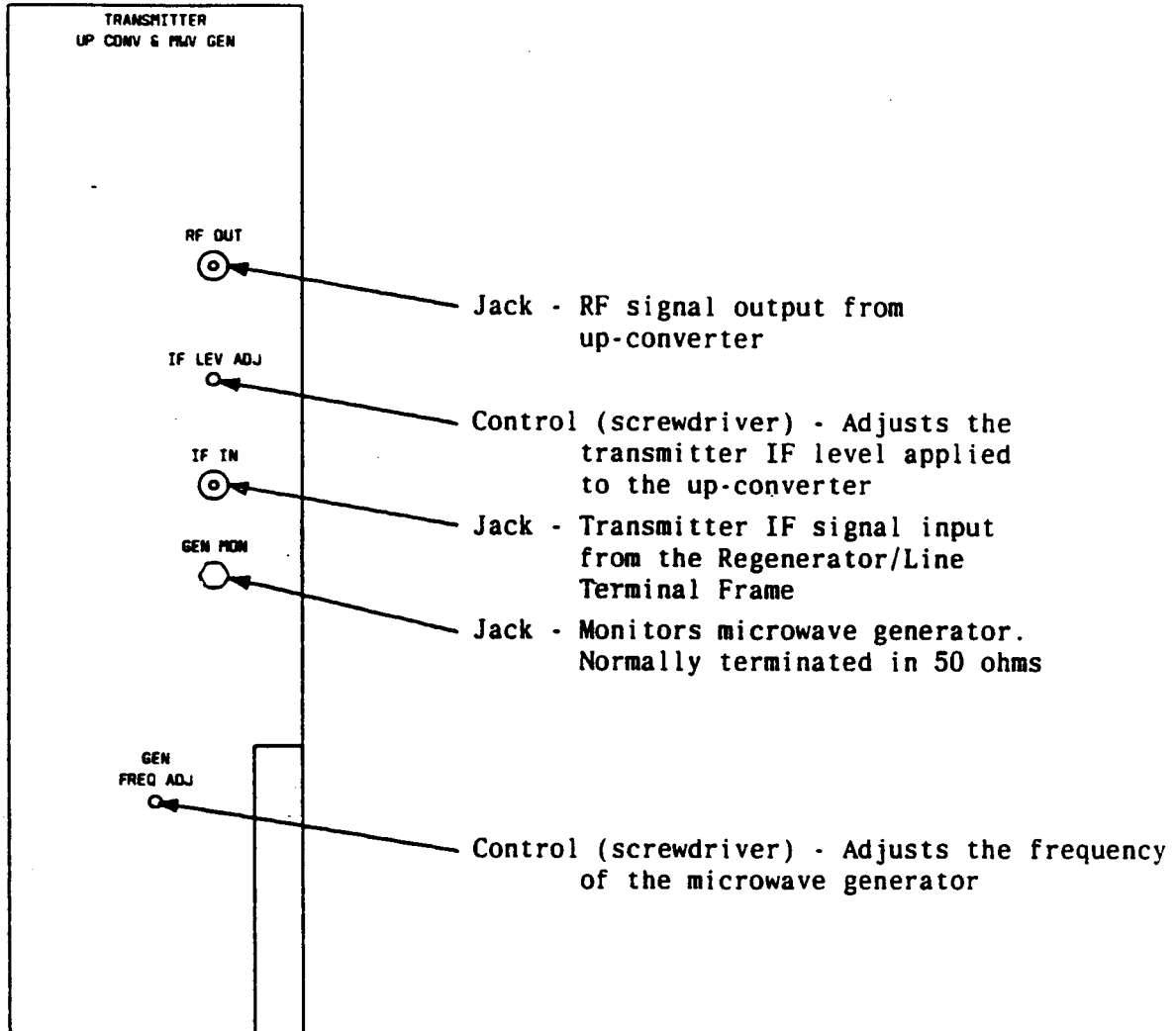


Fig. 48—4373() Transmitter Up-Converter and Microwave Generator

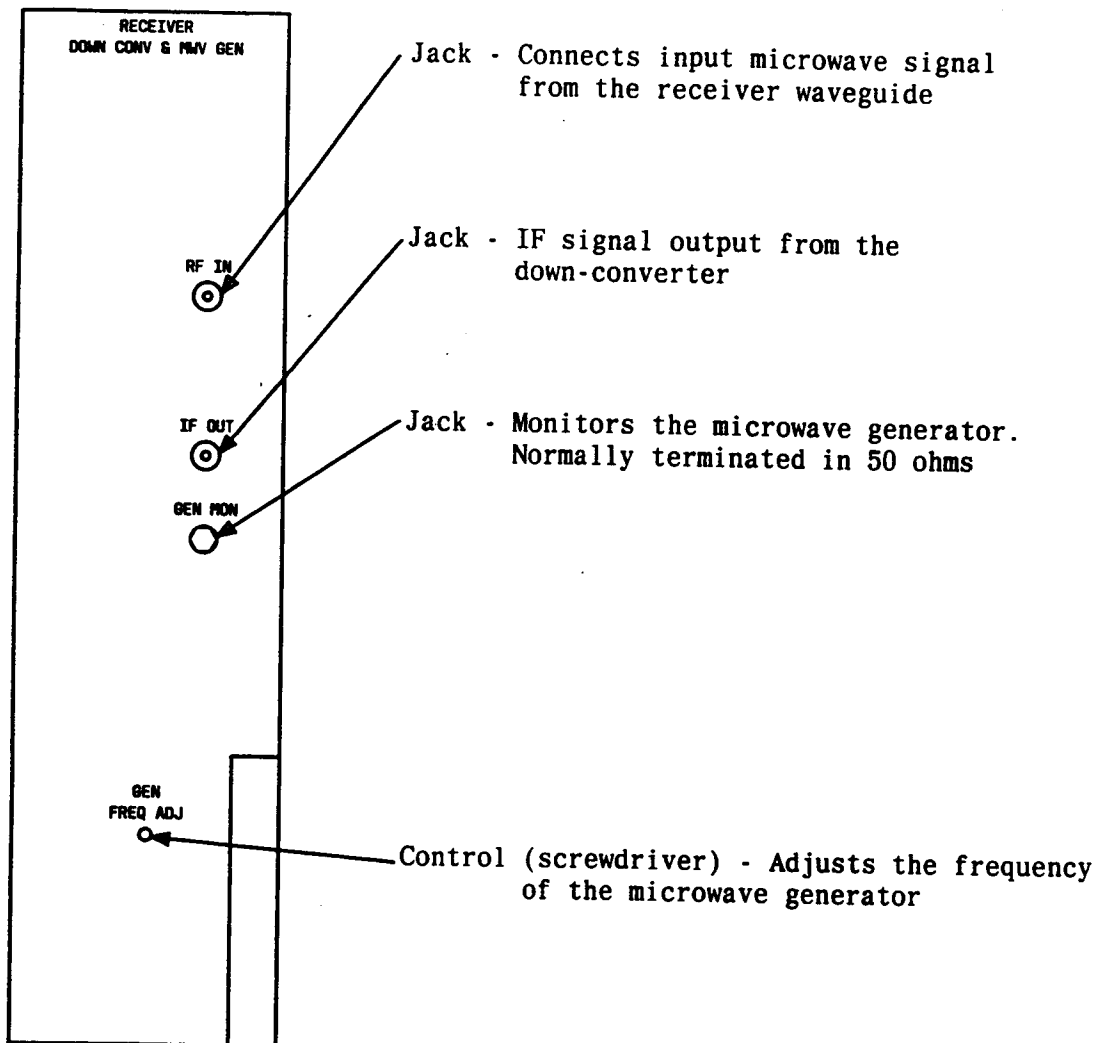


Fig. 49—4374/4384 Receiver Down-Converter and Microwave Generator

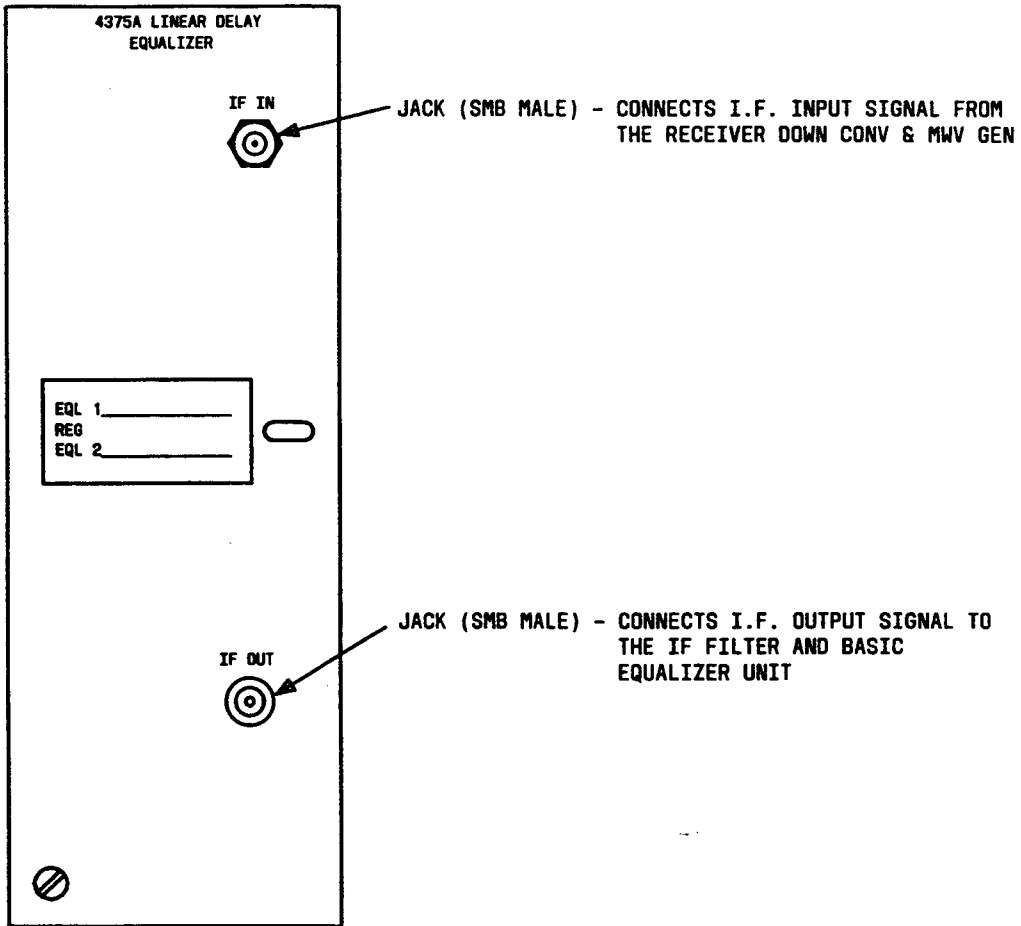


Fig. 50—4375A Linear Delay Equalizer

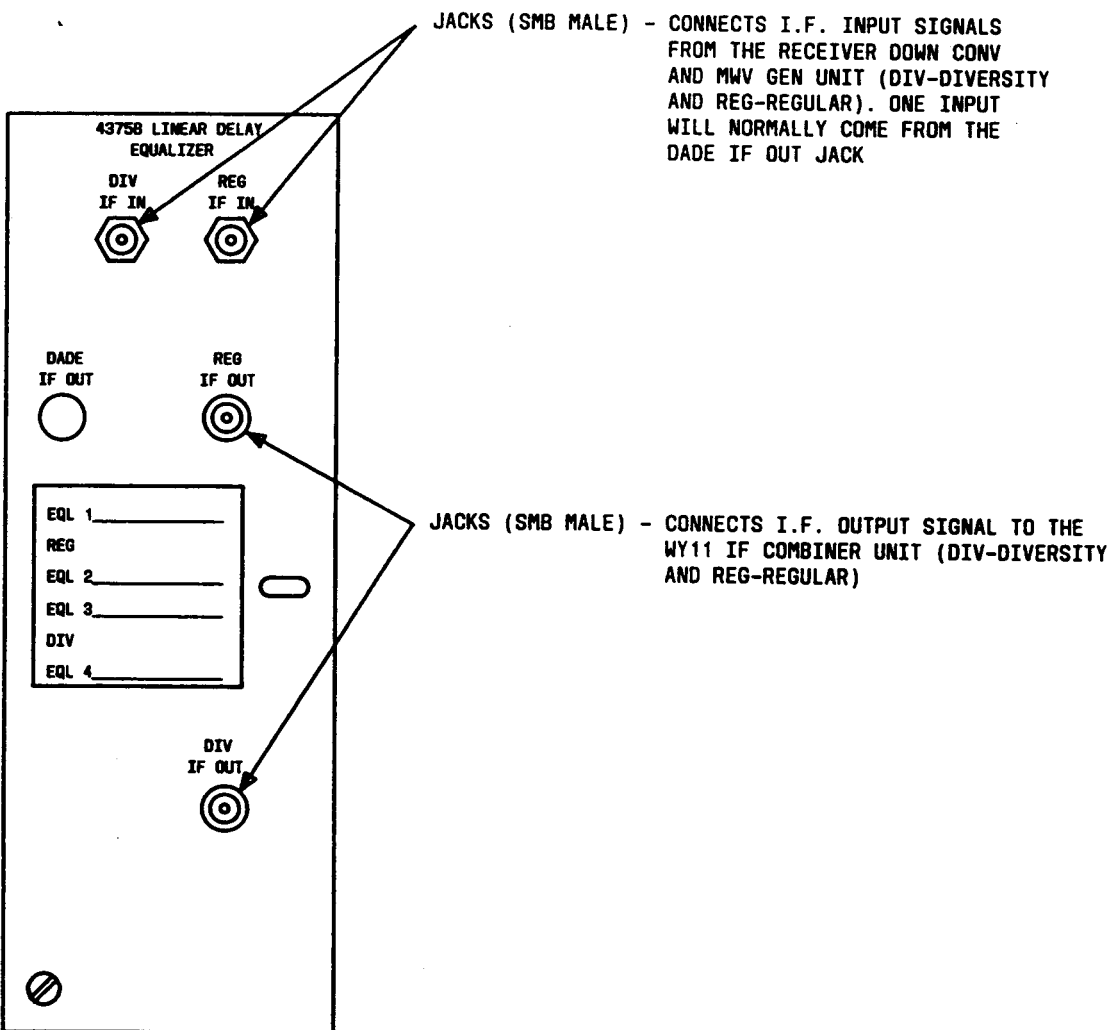


Fig. 51—4375B Linear Delay Equalizer

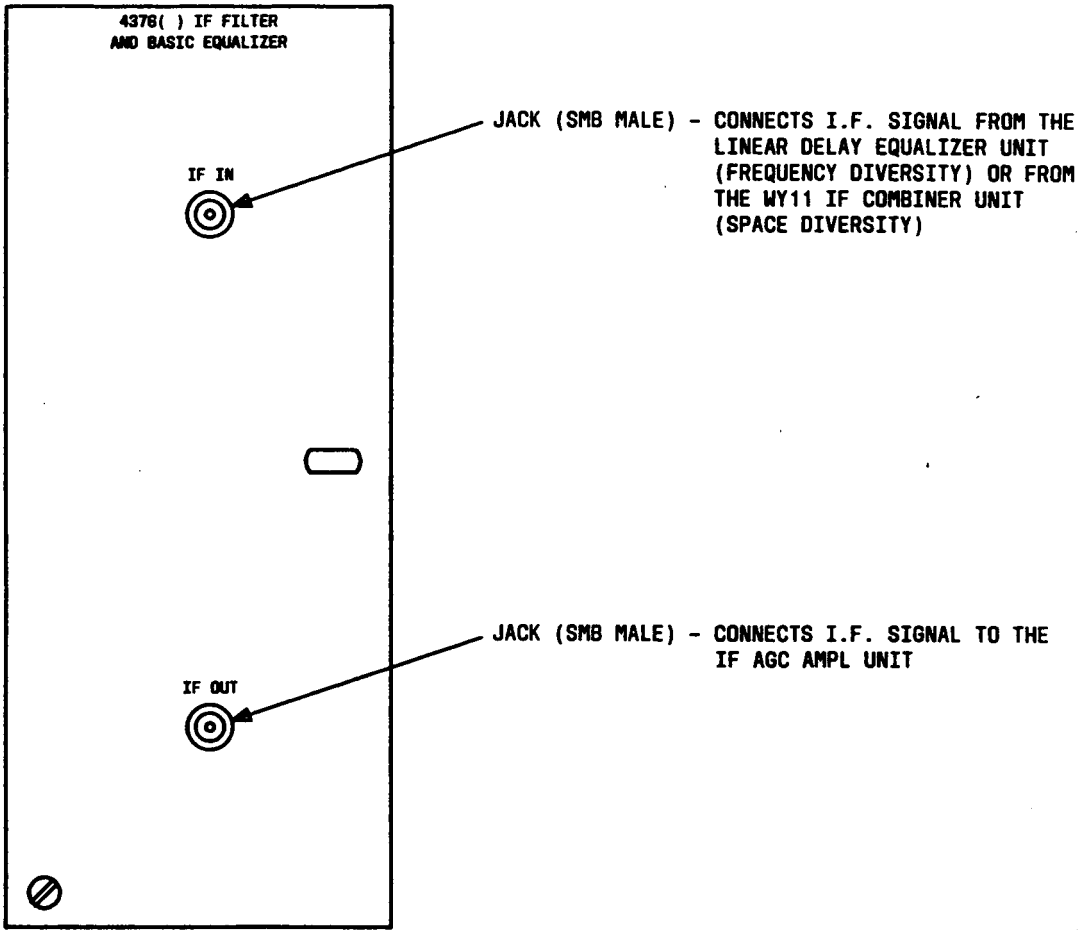


Fig. 52—4376() IF Filter and Basic Equalizer

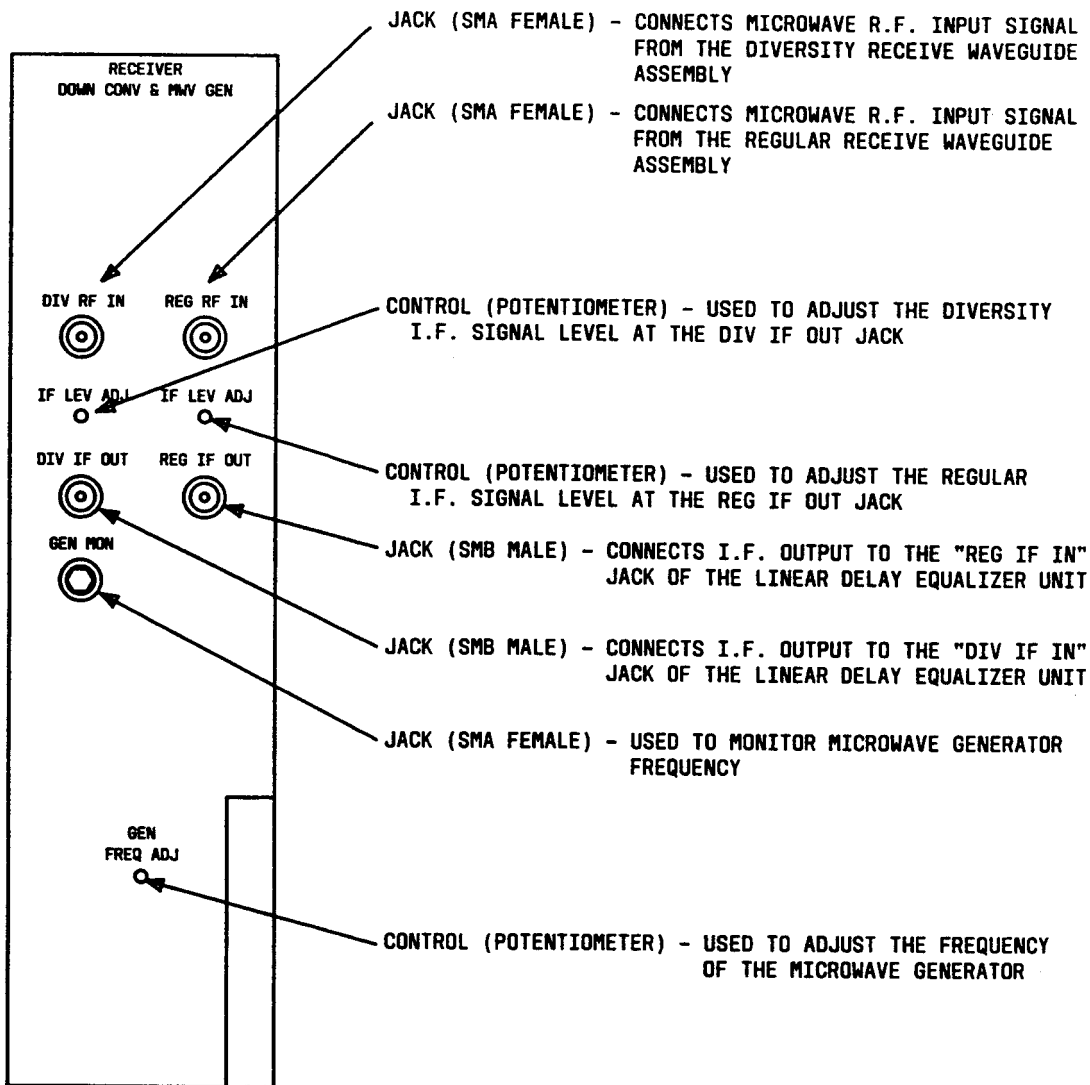


Fig. 53—4377/4385 Receiver Down-Converter and Microwave Generator — Space Diversity

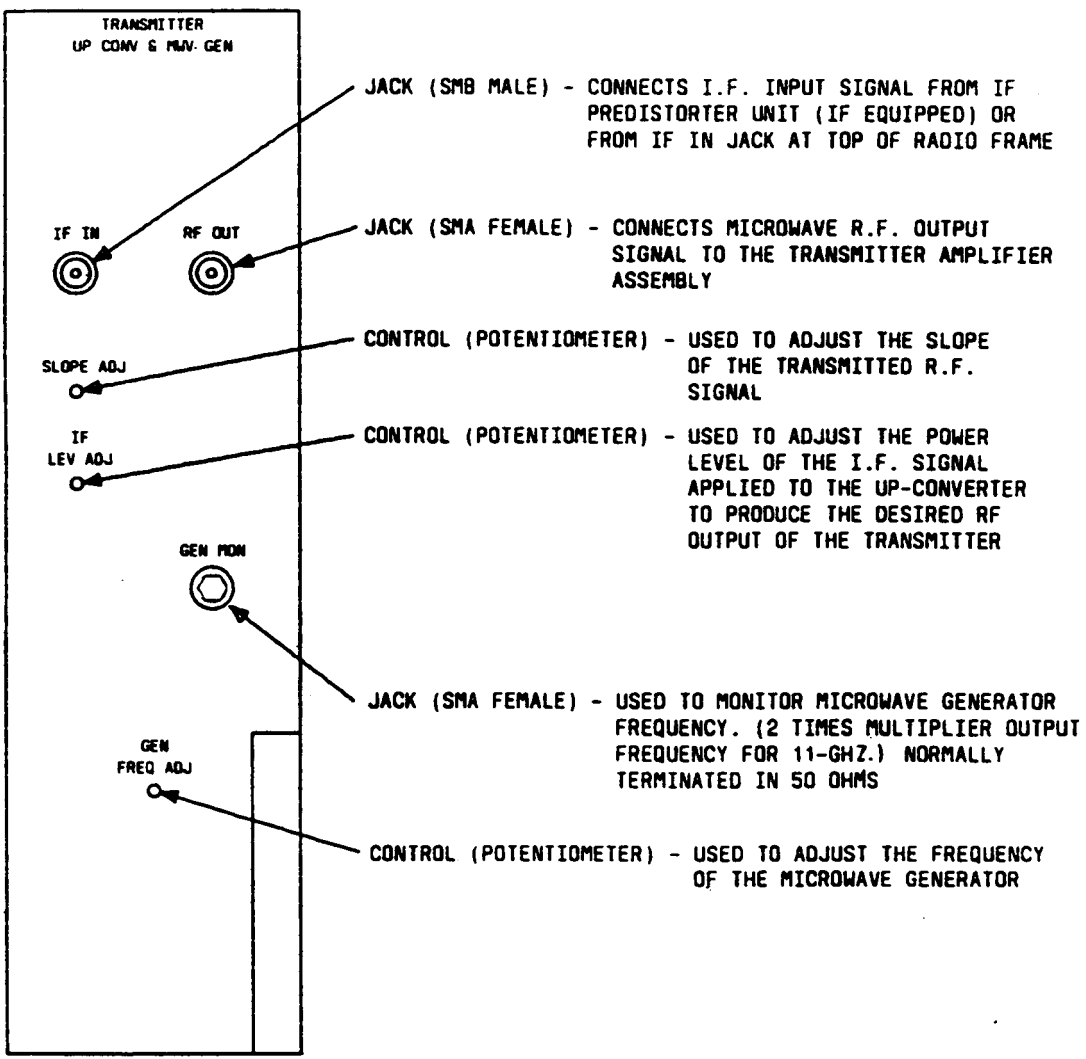


Fig. 54—4383() Transmitter Up-Converter and Microwave Generator

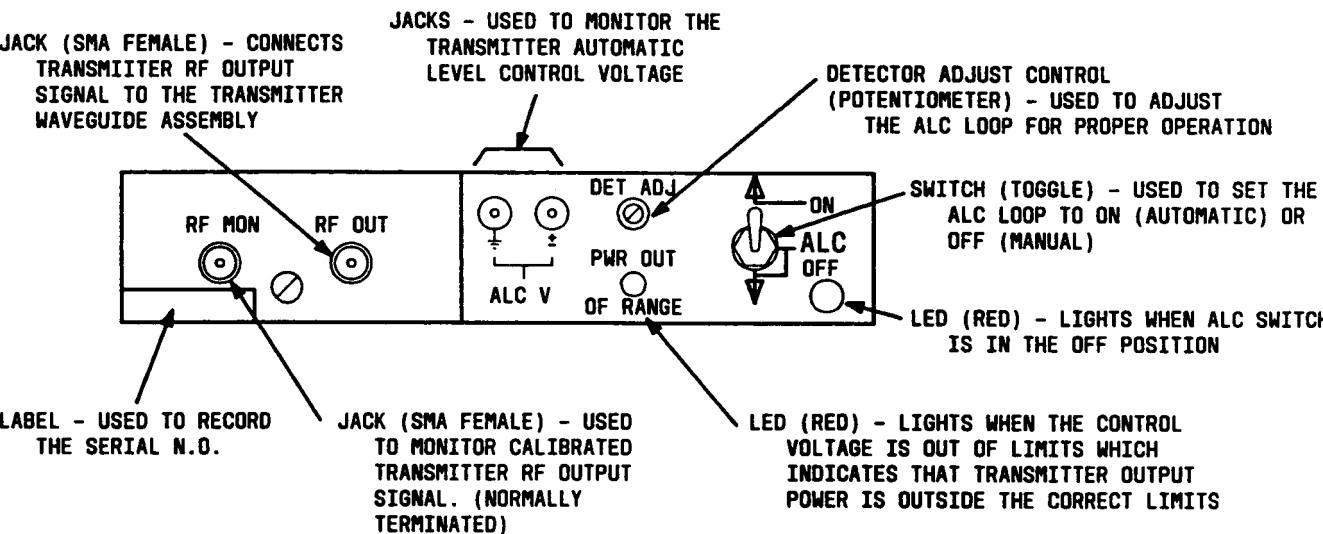


Fig. 55—4388 ALC Network

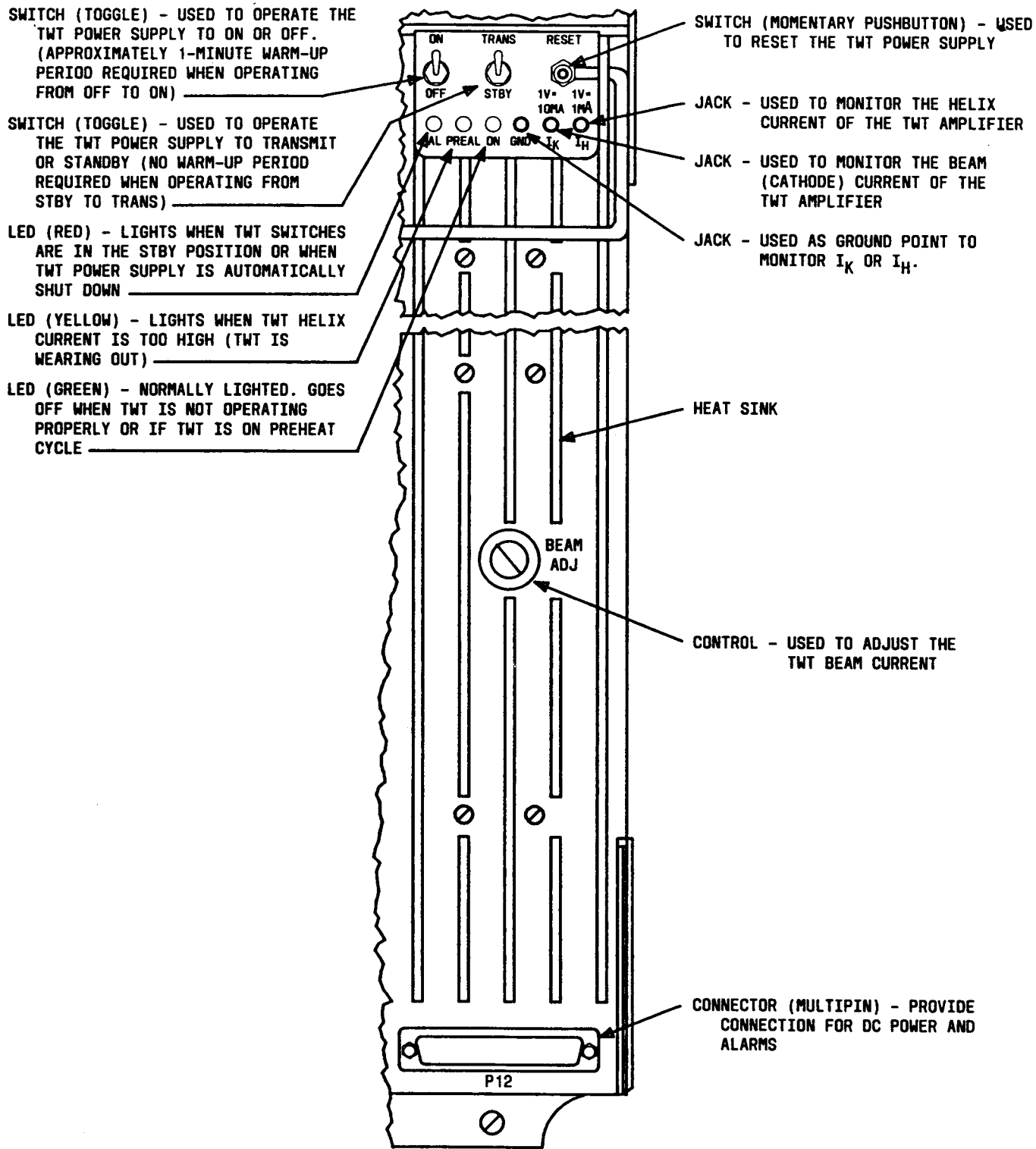


Fig. 56—RWN320 TWT Amplifier

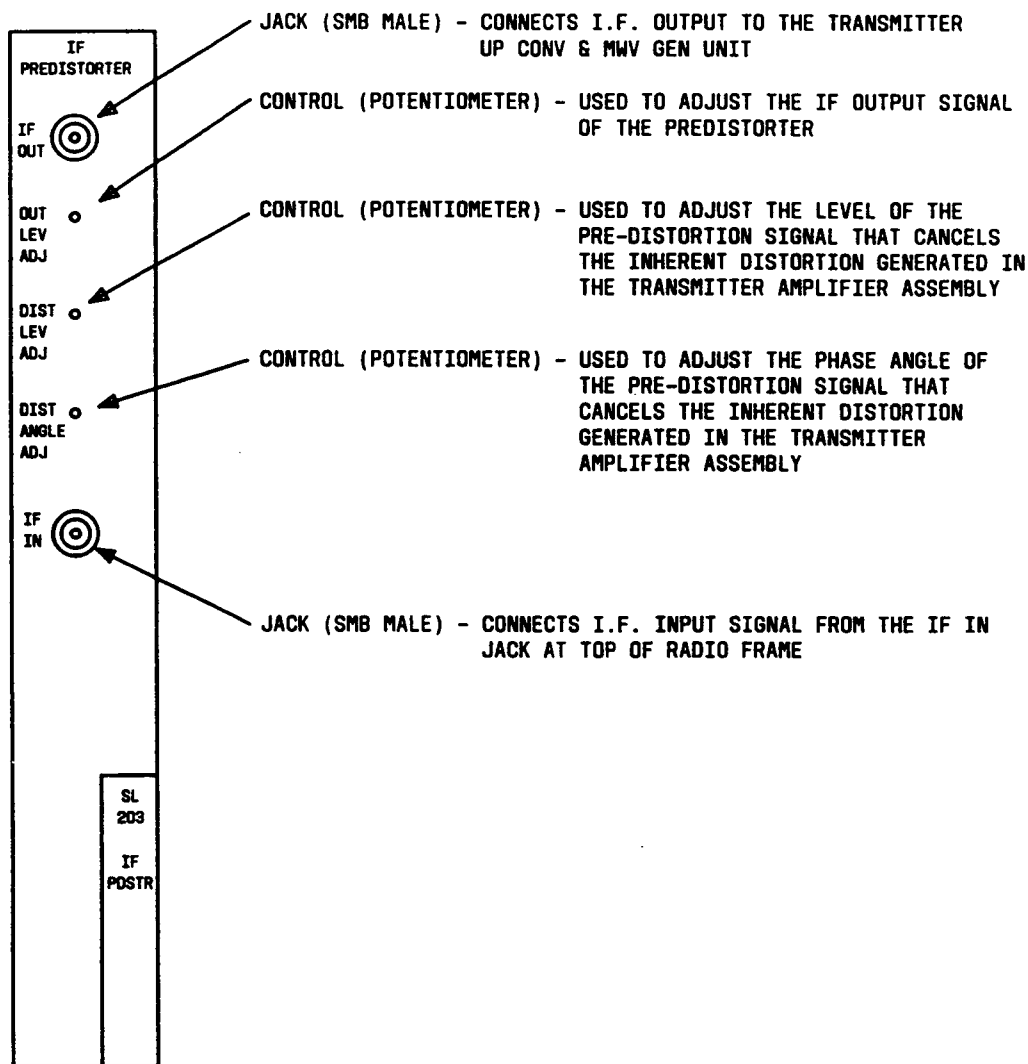


Fig. 57—SL203 IF Predistorter

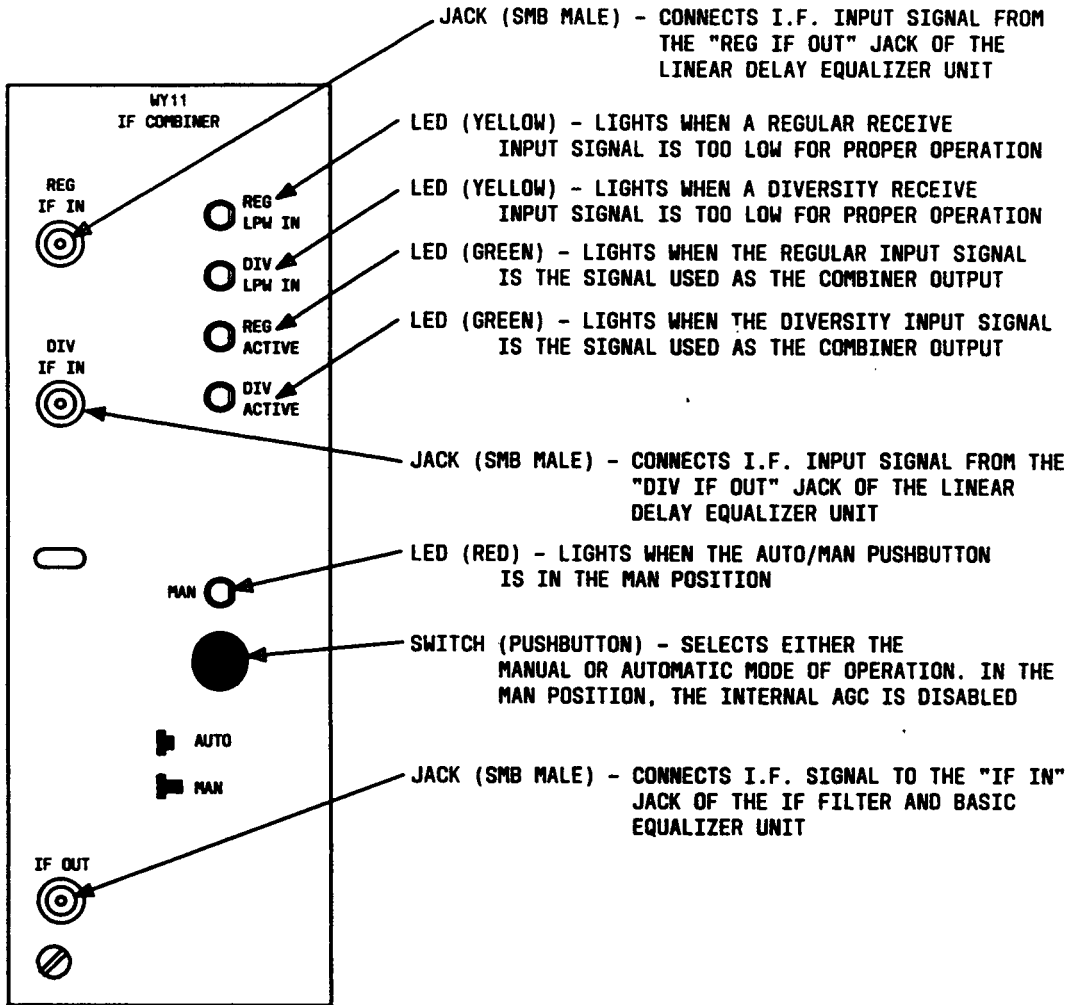


Fig. 58—WY11 IF Combiner

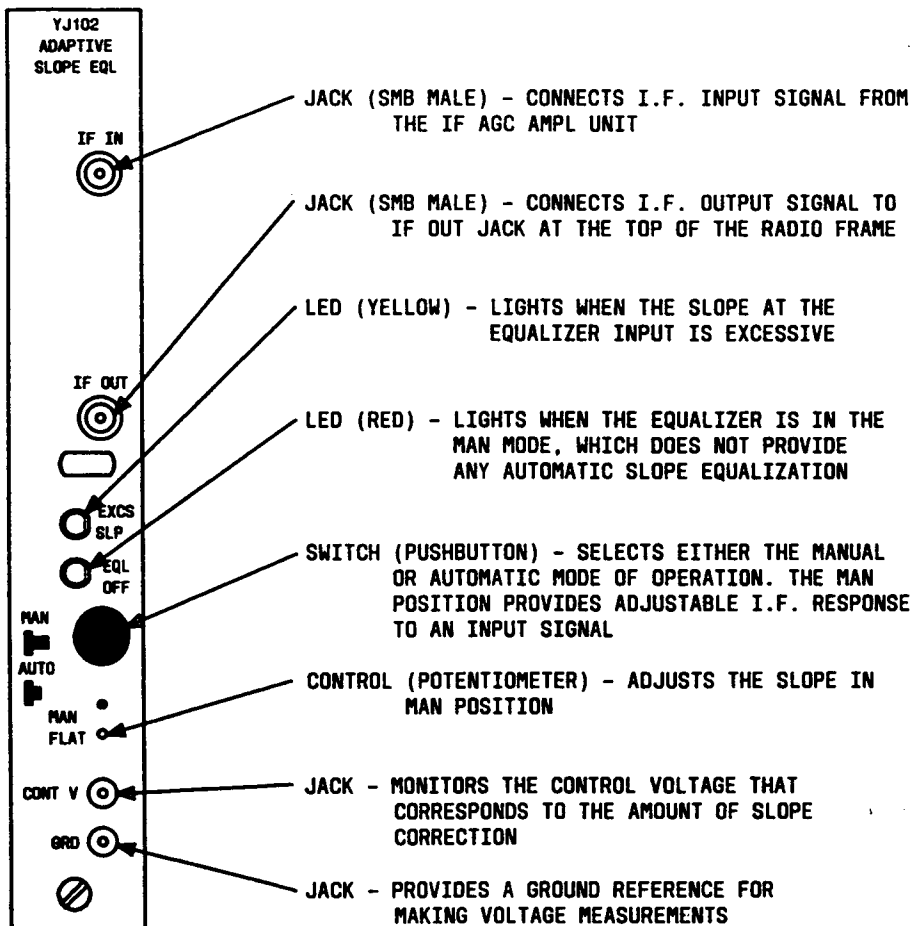


Fig. 59—YJ102 Adaptive Slope Equalizer

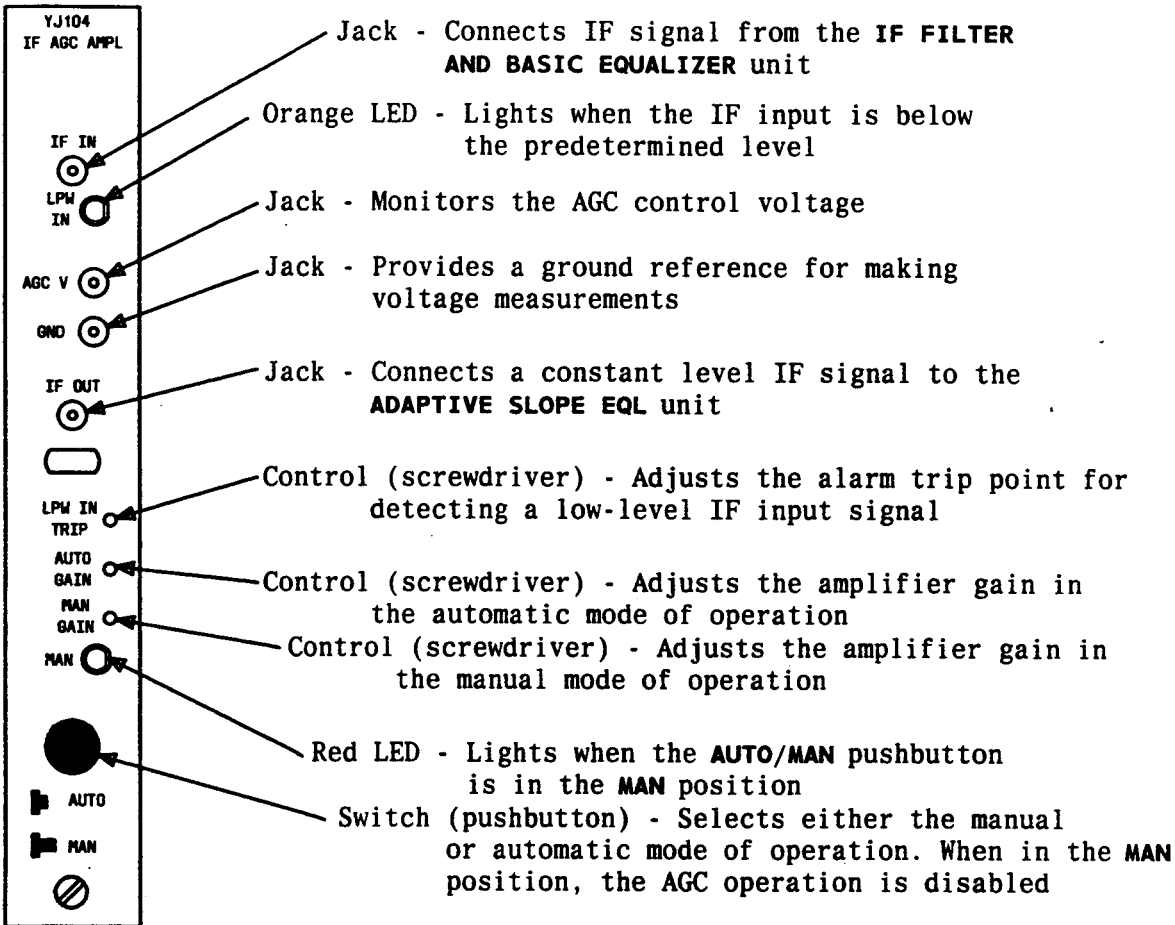


Fig. 60—YJ104 IF AGC Amplifier