



SERVICE SYSTEM DIAGRAM

COLOR TV RECEIVER B-1 CHASSIS REMOTE TUNING SYSTEM (9-470 MAIN MODULE)

PUBLISHED BY THE TECHNICAL PUBLICATIONS DEPARTMENT

ZENITH VIDEO TECH CORPORATION □ 11000 SEYMOUR AVENUE □ FRANKLIN PARK, ILLINOIS 60131
A Subsidiary of Zenith Electronics Corporation

CHASSIS BOARD VOLTAGE LOCATION LAYOUT



- 3X5 - G2 SUPPLY
4B4 - MUTE
4C9 - I.F. TO STEREO MODULE
4E7 - A.F.C.
4K4 - VOLUME CONTROL
4L4 - MUTE
4M6 - A.G.C./A.F.C./SYNC.
4P4 - MONO SPEAKER OUTPUT
6A3 - S/C STANDBY INPUT SUPPLY
J1201 - I.F. INPUT FROM TUNER

1 2 3 4 5 6 7 8

A

B

C

D

E

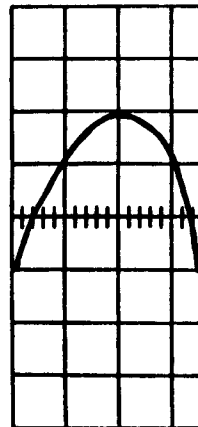
F

G

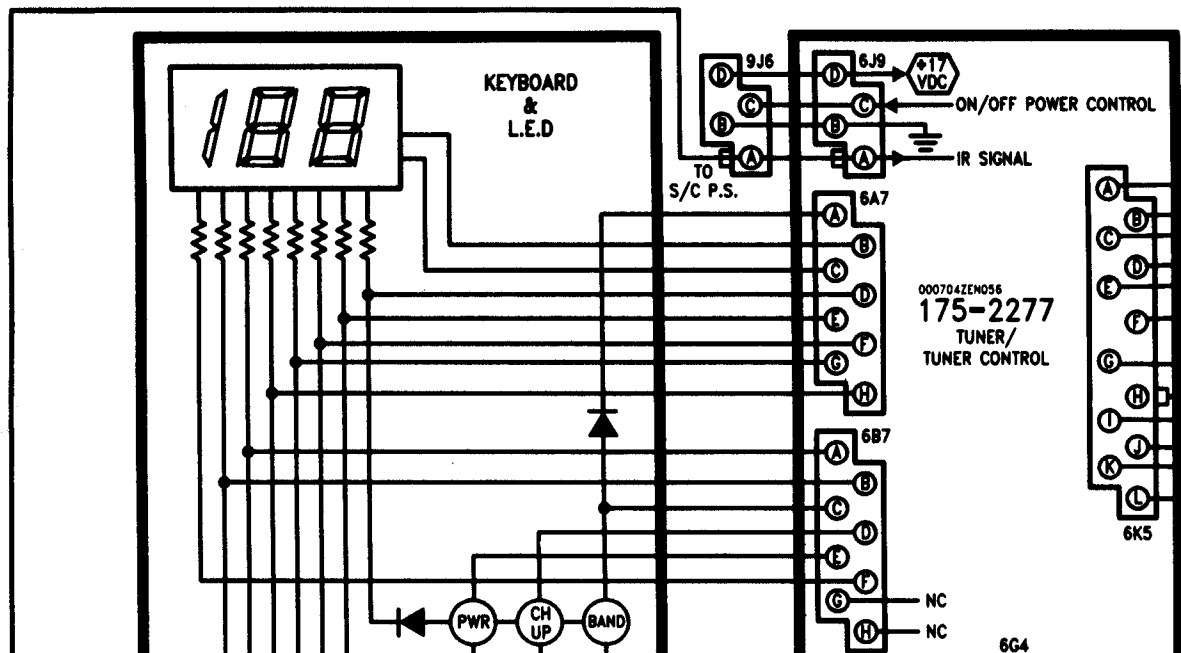
H

I

J



MODULE	CON
9-469/9-470	
VERT.	1.V /C.
WAVE FORM	



K

L

M

N

O

P

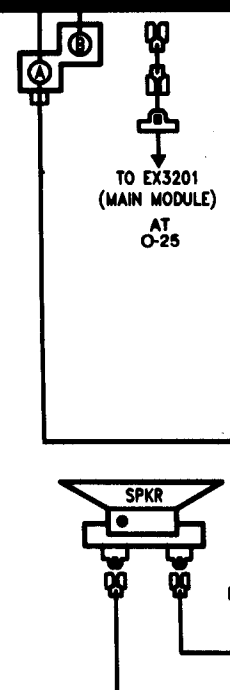
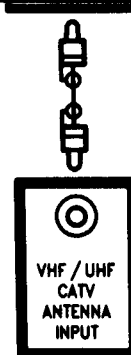
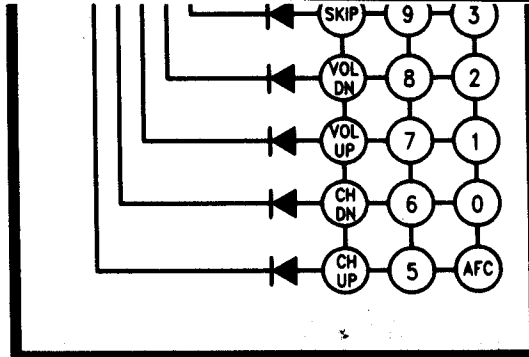
Q

R

S

T

U



1

2

3

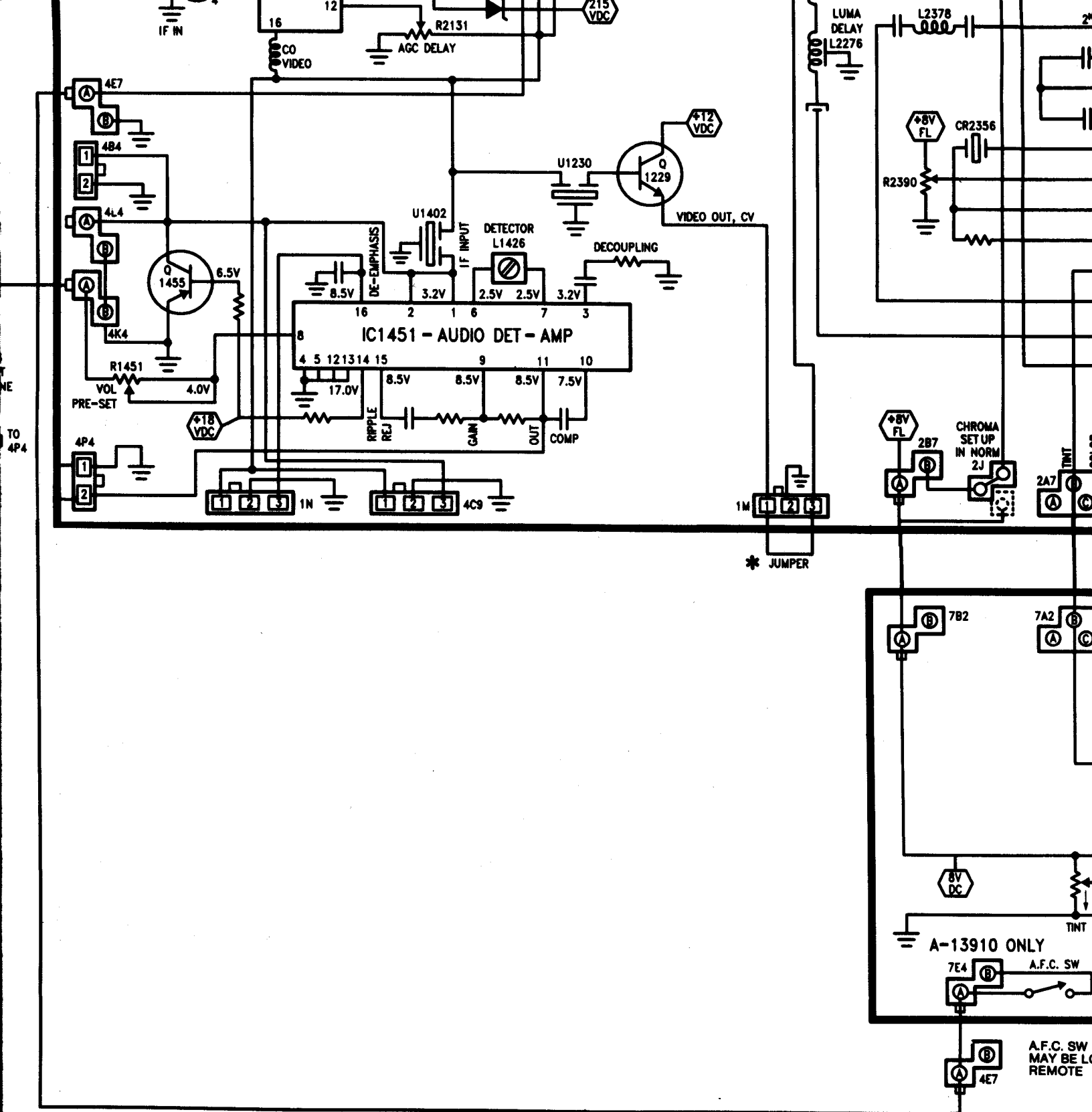
4

5

6

7

8



18

19

20

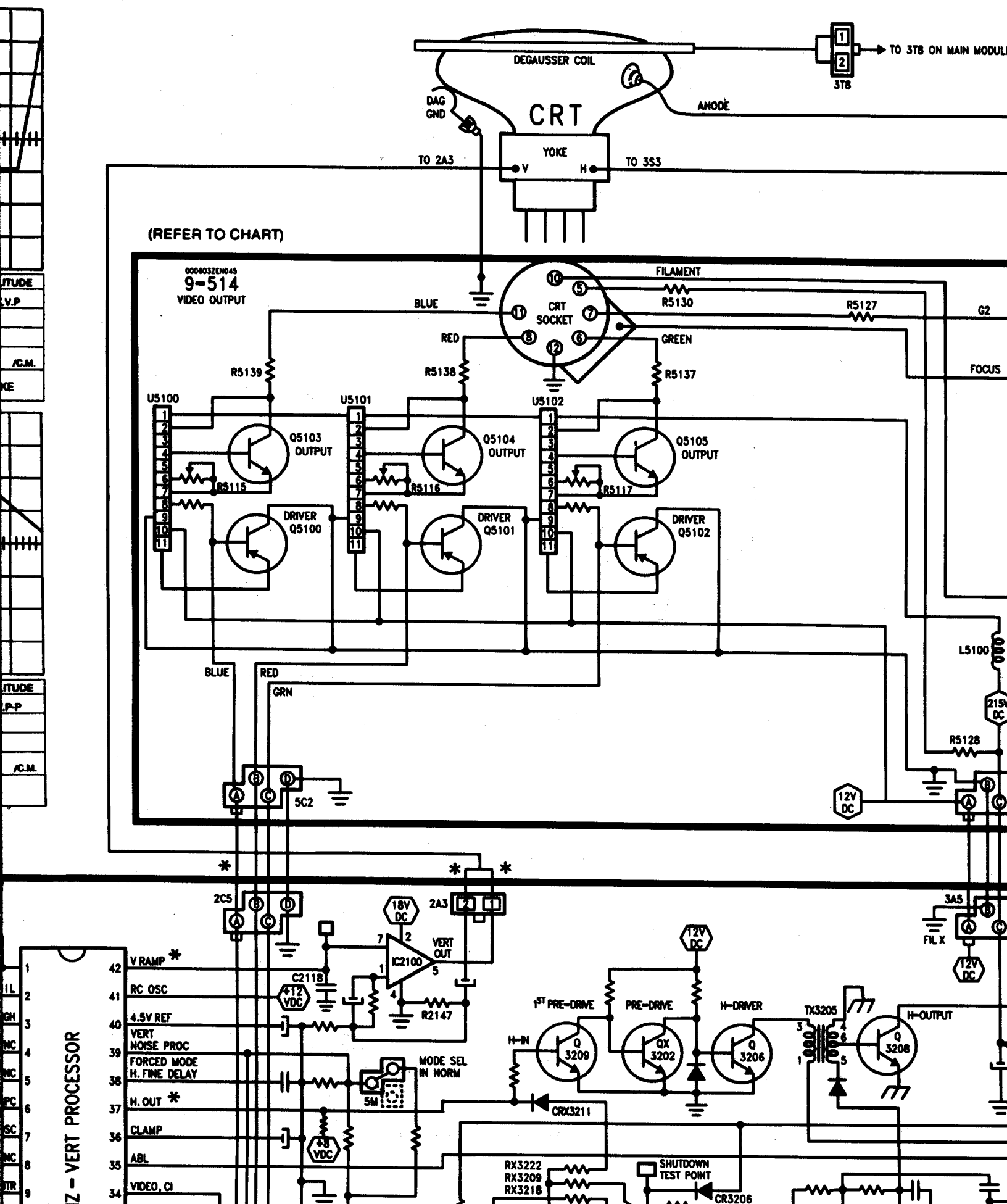
21

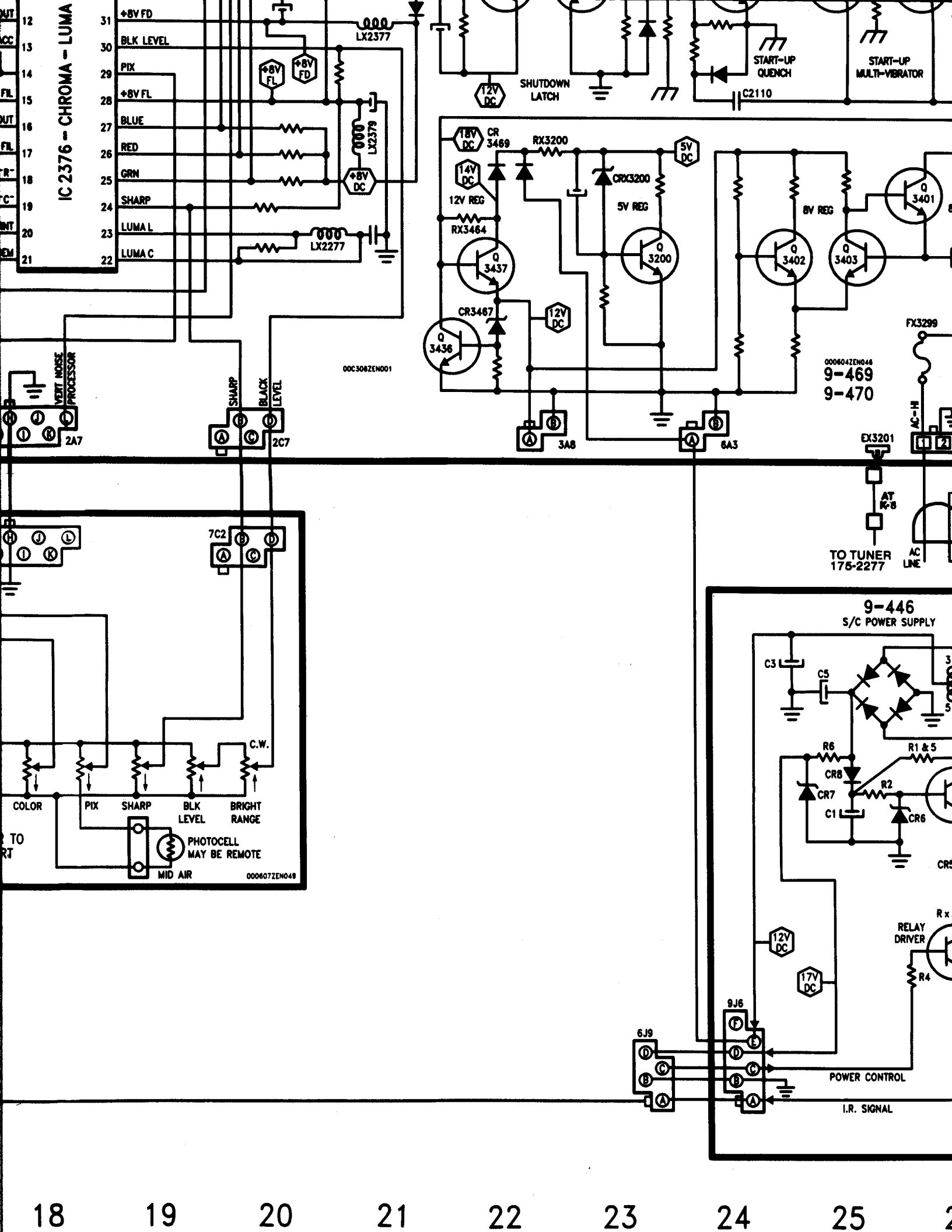
22

23

24

25





27 28 29 30 31 32 33 34

A

B

C

D

E

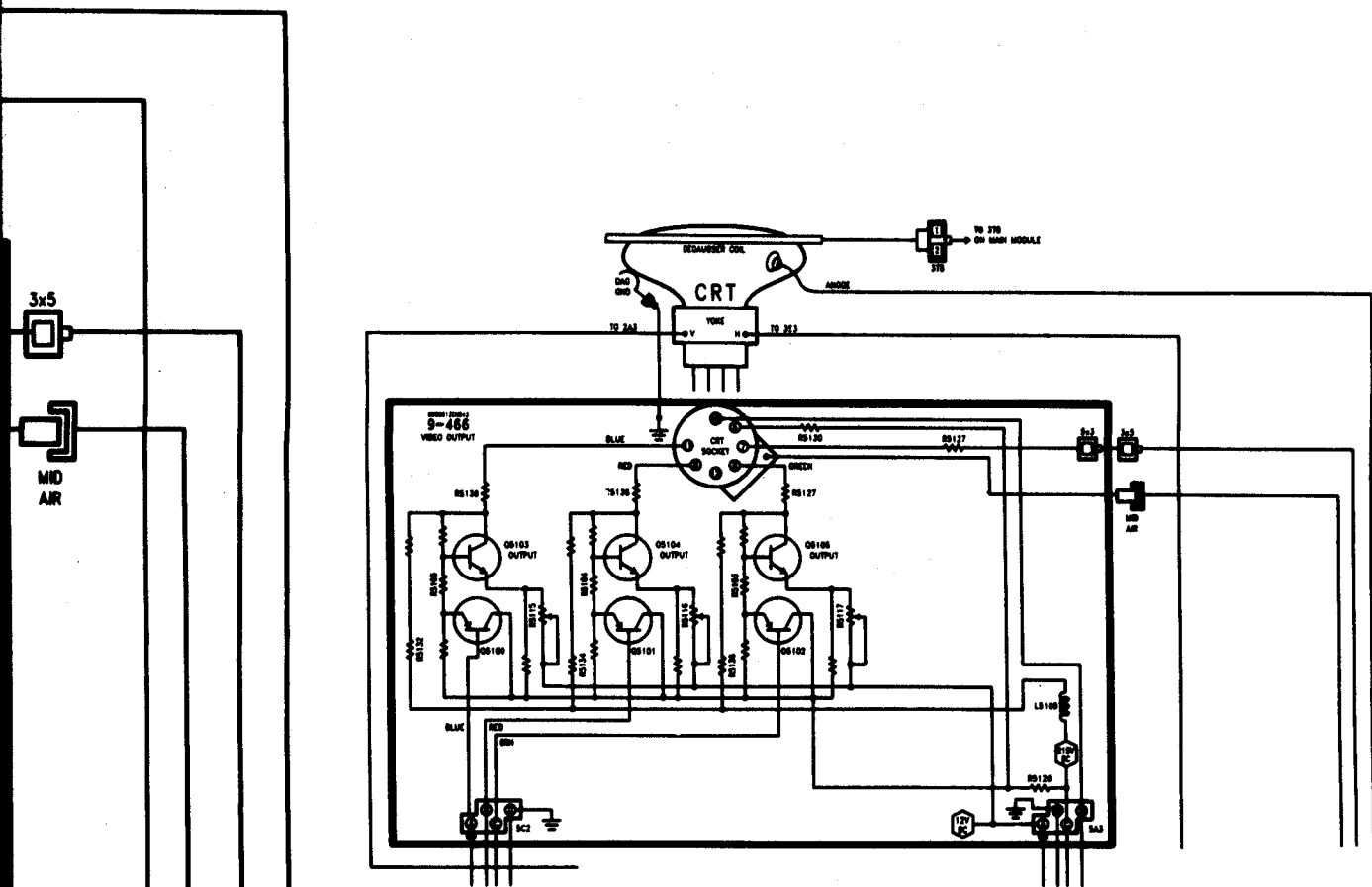
F

G

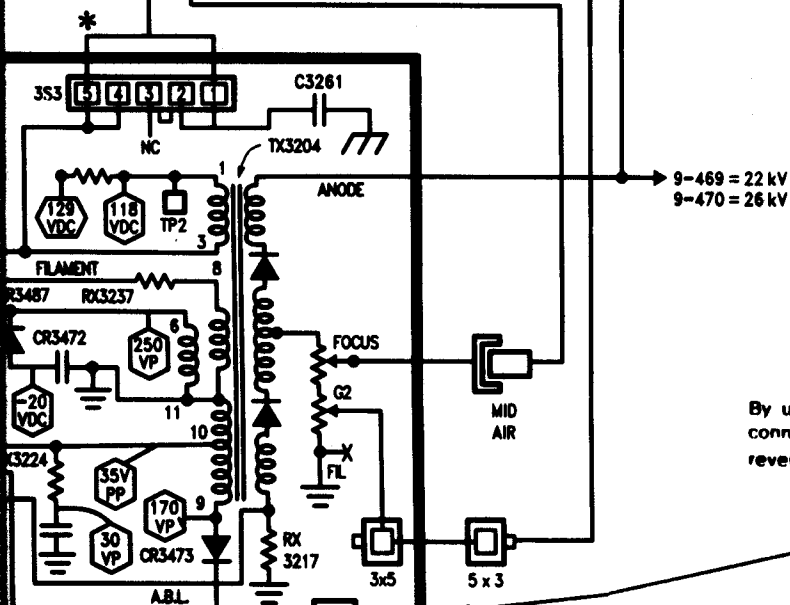
H

I

J



(REFER TO CHART)

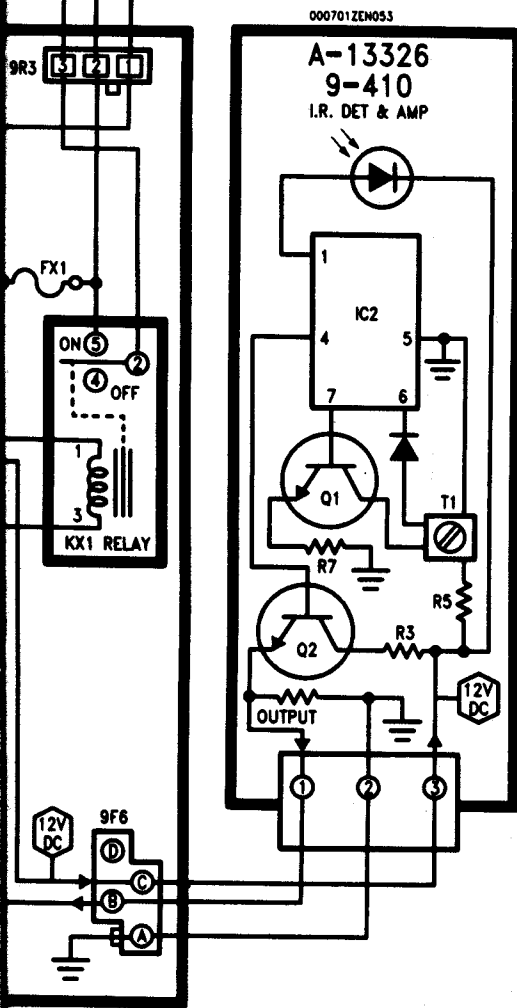
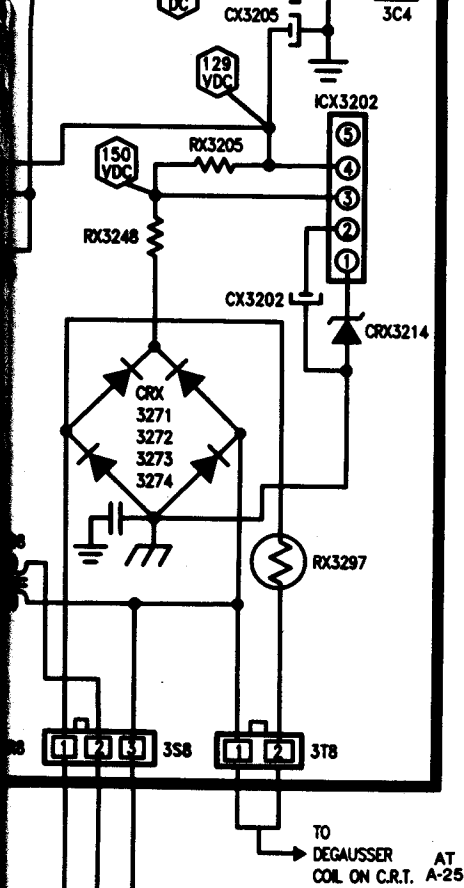


By utilizing the peripheral coordinates of the system diagram the voltages and connectors may be quickly located on or near actual board layout (see example on reverse side of this sheet)

SEE EXAMPLE



ON BOARD LAYOUT



***WAVE FORMS (AT PIN-OUT ADDRESS)**

000610ZEN052

AC GROUND	
DC GROUND	
TO DC VOLTAGES	
DC VOLTAGE SOURCE	

FD = FILTERED DIGITAL
FL = FILTERED LINEAR

SYSTEM DIAGRAM

A system diagram is a hybrid troubleshooting aid consisting of a functional block diagram and simplified module schematics. It provides an overview for tracing major circuits and includes these features: key voltages, the make-up of individual cables, all connections between modules and assemblies, major components and the main lines of interaction related to these components.

The intention of the system diagram is to provide sufficient information to analyze the TV as a system for determining which major component is faulty. For complete module and assembly schematics, refer to the appropriate service manual.