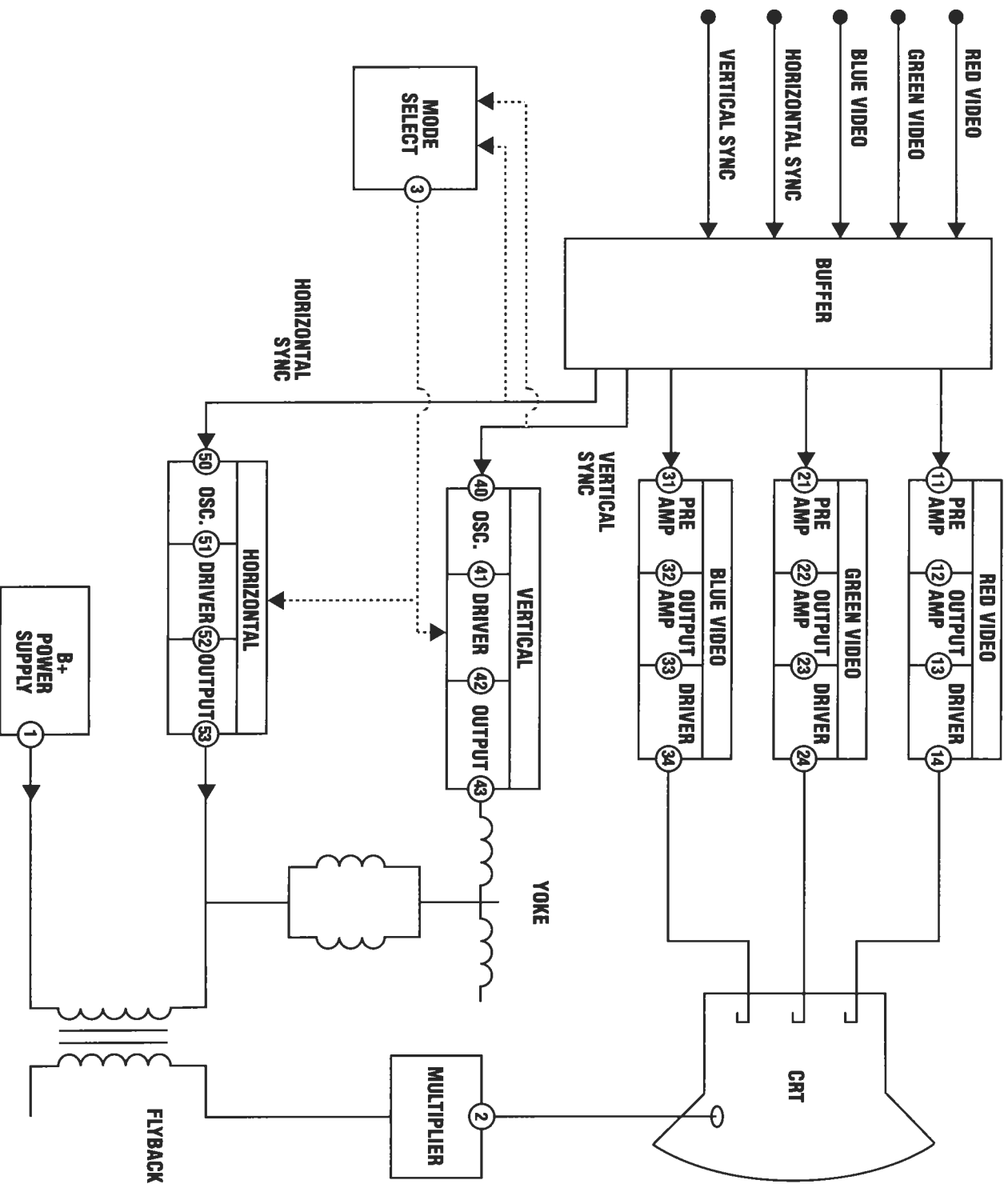


**CM2125  
Connector Chart**

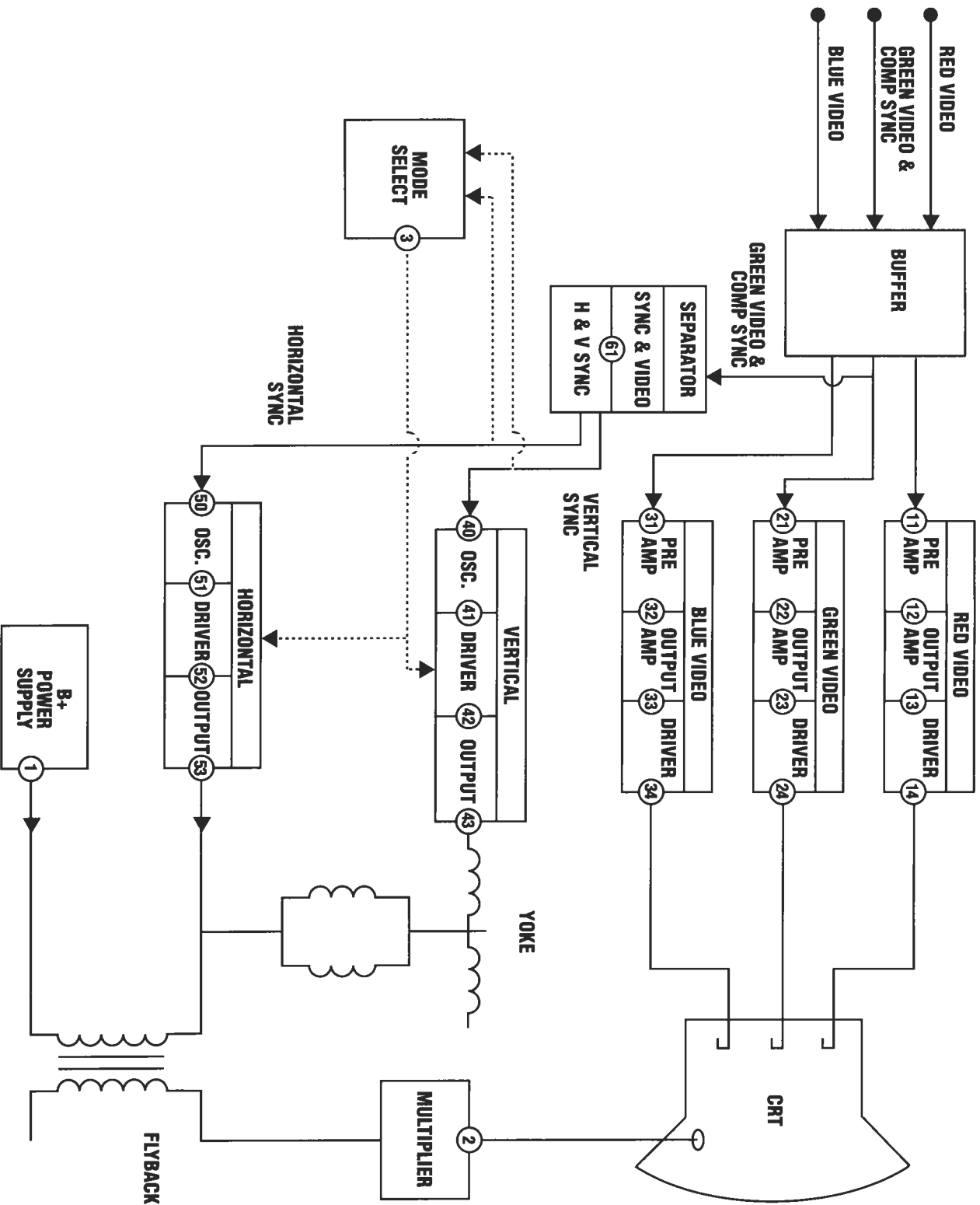
<b>Connector</b>	<b>Computer Monitor Type</b>
<b>1</b>	<b>CGA, MDA, Hercules</b>
<b>2</b>	<b>EGA</b>
<b>3</b>	<b>PGC</b>
<b>4</b>	<b>VGA, PS/2, SVGA, XGA</b>
<b>5 &amp; 5F*</b>	<b>Apple® or Macintosh®</b>
<b>6</b>	<b>BNC Input</b>
<b>ECL</b>	<b>ECL</b>
<b>Universal</b>	<b>Adapts to match any computer monitor type</b>

\*Monitor with male input connection

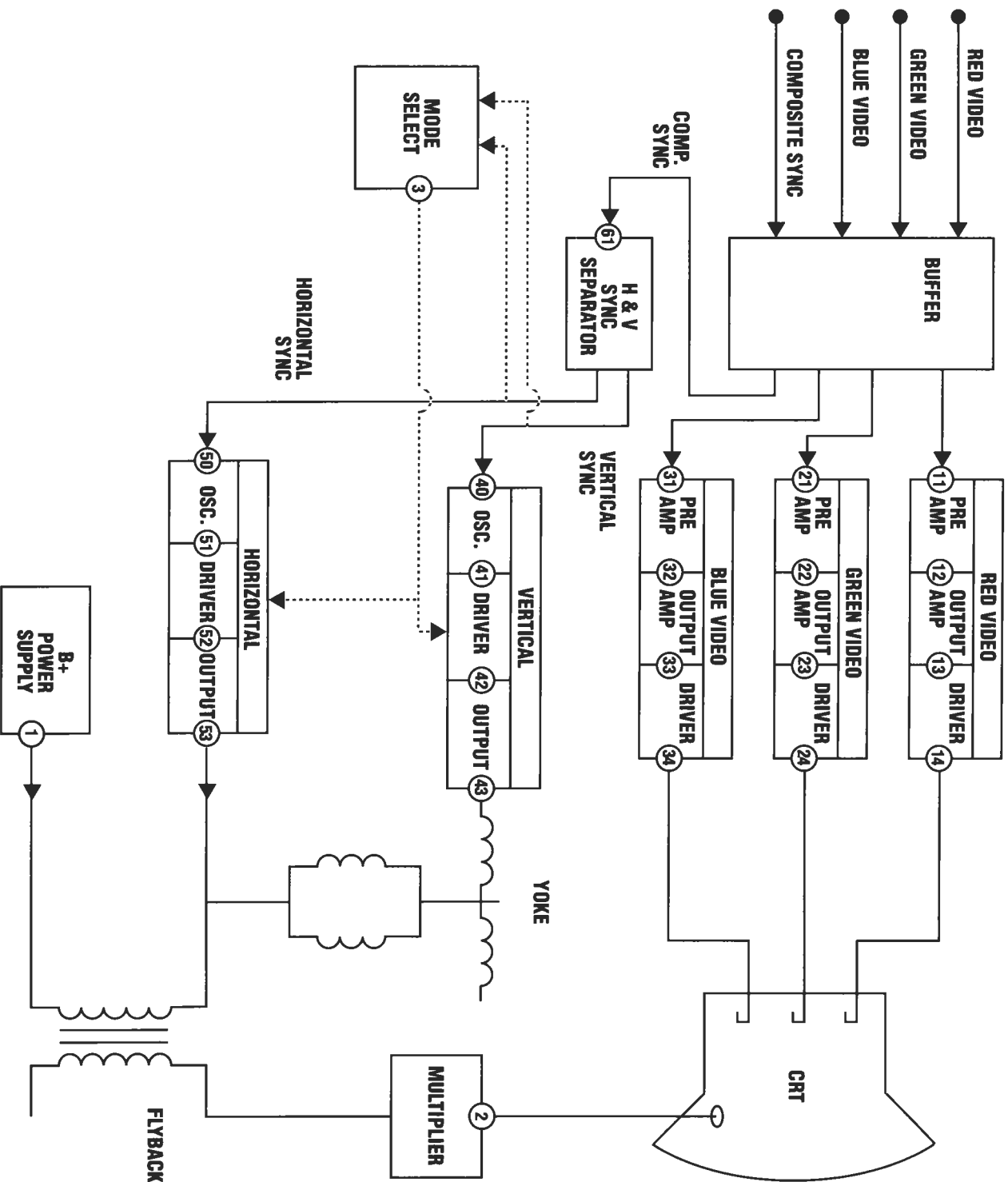
# COMPUTER MONITOR BLOCK DIAGRAM (SEPARATE HORIZONTAL & VERTICAL SYNC LINES)



# COMPUTER MONITOR BLOCK DIAGRAM (COMPOSITE SYNC ON GREEN)



# COMPUTER MONITOR BLOCK DIAGRAM (COMPOSITE SYNC)



## CM2125 COMPUTER MONITOR FUNCTIONAL ANALYZING TROUBLESHOOTING GUIDE

Connect CM2125 To Monitor Input  
& Note The Symptoms

Reduced Raster Size Or No Deflection		
VERTICAL	BOTH REDUCED	HORIZONTAL

**SYMPTOM:  
REDUCED RASTER SIZE OR NO  
DEFLECTION**

Symptom	
SINGLE HORIZONTAL LINE	REDUCED SIZE

Check Mode Select Circuit TP (3)	
CIRCUIT OUTPUT CHANGES	CIRCUIT OUTPUT DOESN'T CHANGE

Is This A Multiscan Monitor	
YES	NO

Does The Problem Occur At All Frequencies	
NO	YES

Inject V DRIVE At Vertical Driver Input TP (41)	
DEFLECTION	NO DEFLECTION

Check Mode Select Circuit TP (3)	
CIRCUIT OUTPUT CHANGES	CIRCUIT OUTPUT DOESN'T CHANGE

Check Power Supply Voltage	
Normal	Wrong

Symptom	
SINGLE VERTICAL LINE	REDUCED SIZE

Ring Vertical Yoke	
GOOD	BAD

Test Yoke (Both Windings)	
GOOD	BAD

Check High Voltage	
Normal	Low

- Vertical Driver
- Vertical Output
- Yoke Return Path

Vertical Oscillator

Mode Select

Mode Select

Power Supply

Pin Cushion

Yoke

- Yoke
- Pin Cushion

See Manual  
Page 40

Mode Select  
Circuits

High Voltage  
Circuit Path

See "No Raster"  
Trouble Tree

See Manual  
Page 45

See Manual  
Page 40

See Manual  
Page 40

See Manual  
Page 45

See Manual  
Page 46

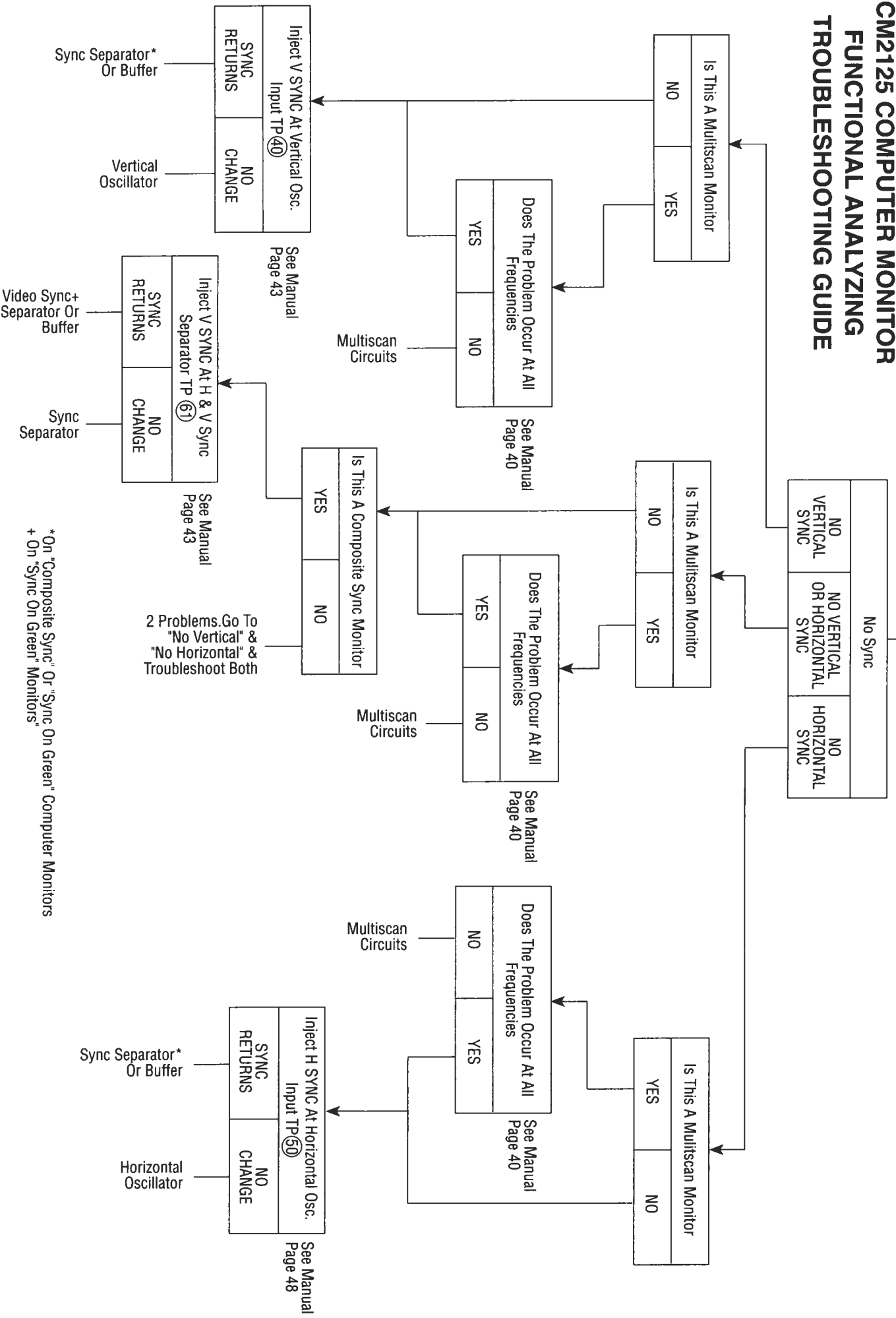
See Manual  
Page 46

See Manual  
Page 57

## CM2125 COMPUTER MONITOR FUNCTIONAL ANALYZING TROUBLESHOOTING GUIDE

Connect CM2125 To Monitor Input  
& Note The Symptoms

**SYMPTOM: NO SYNC**

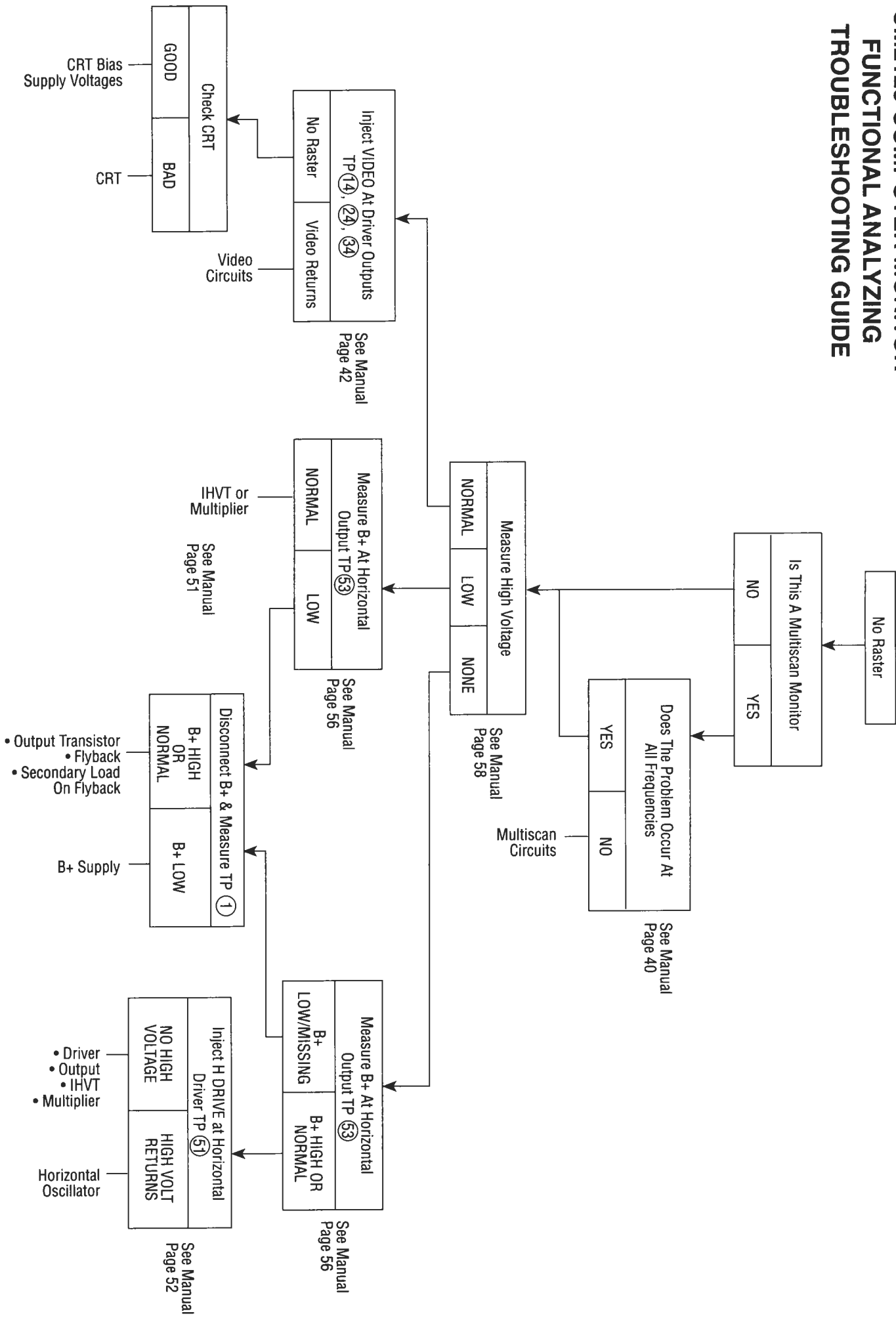


\* On "Composite Sync" Or "Sync On Green" Computer Monitors  
+ On "Sync On Green" Monitors"

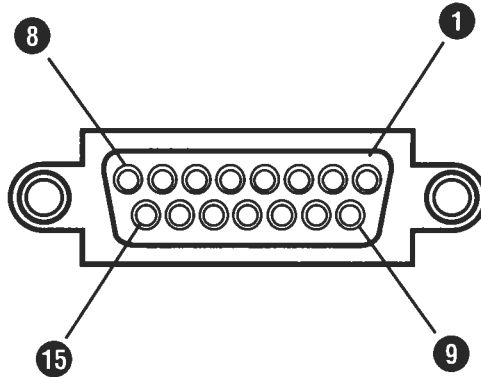
## CM2125 COMPUTER MONITOR FUNCTIONAL ANALYZING TROUBLESHOOTING GUIDE

Connect CM2125 To Monitor Input  
& Note The Symptoms

**SYMPTOM: NO RASTER**



# CM2125 Sync & Video Output Pin Configuration



PIN #	OUTPUT
1	RED
2	GREEN
3	BLUE
4	INTENSITY
5	INTENSITY
6	H SYNC
7	COMP SYNC
8	GND
9	RED GND
10	GREEN GND
11	BLUE GND
12	INTENSITY
13	GND
14	V SYNC
15	+5 MODE