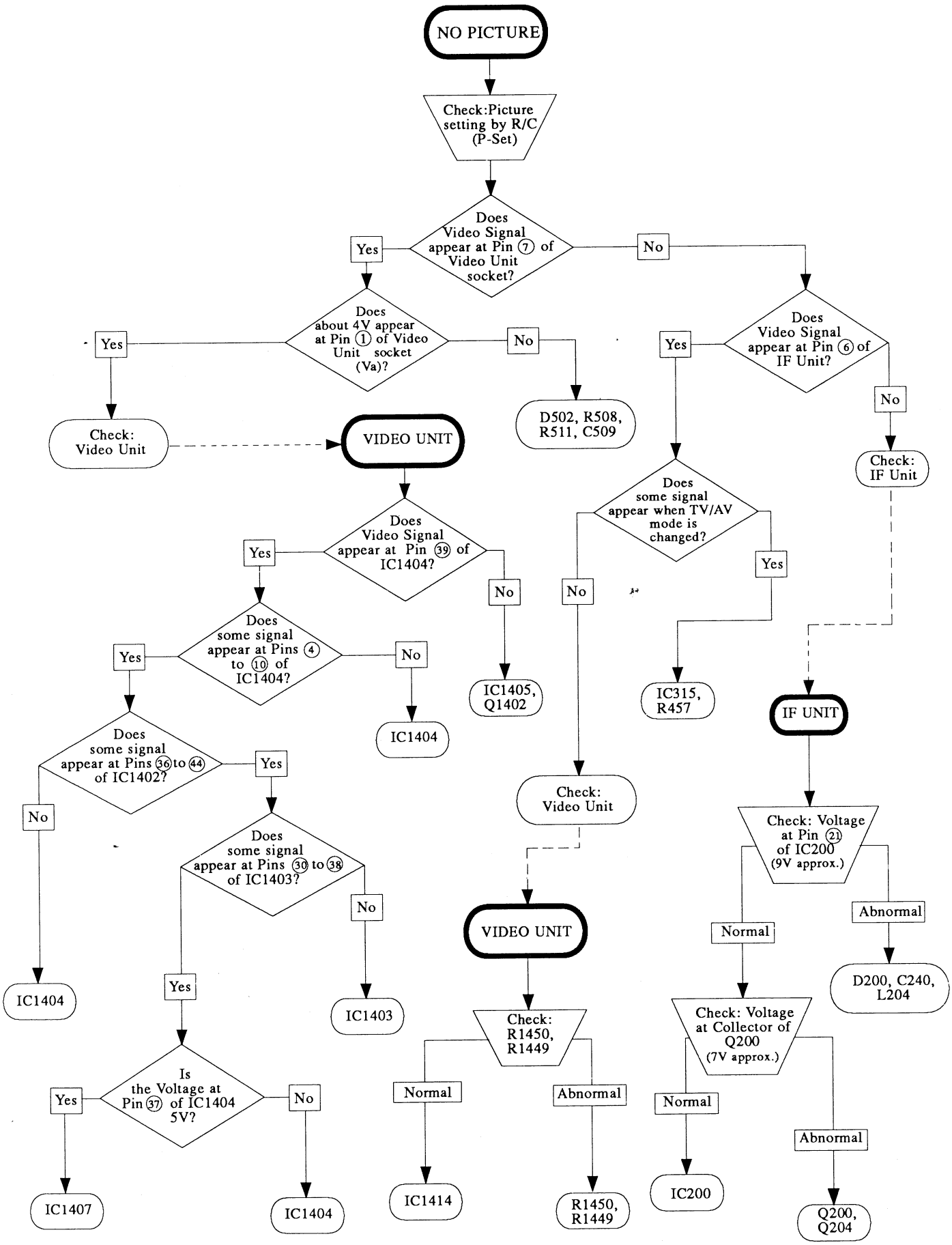
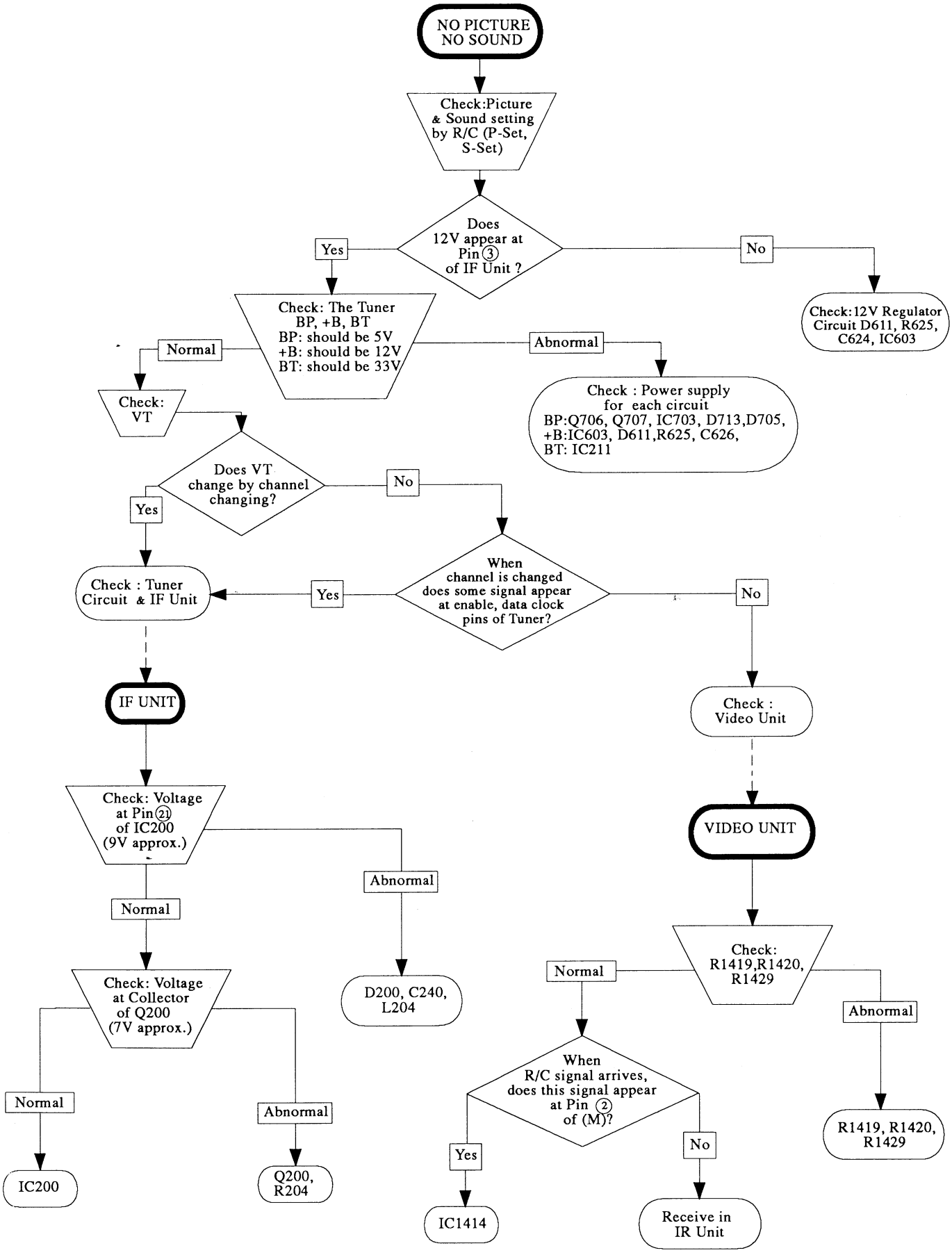
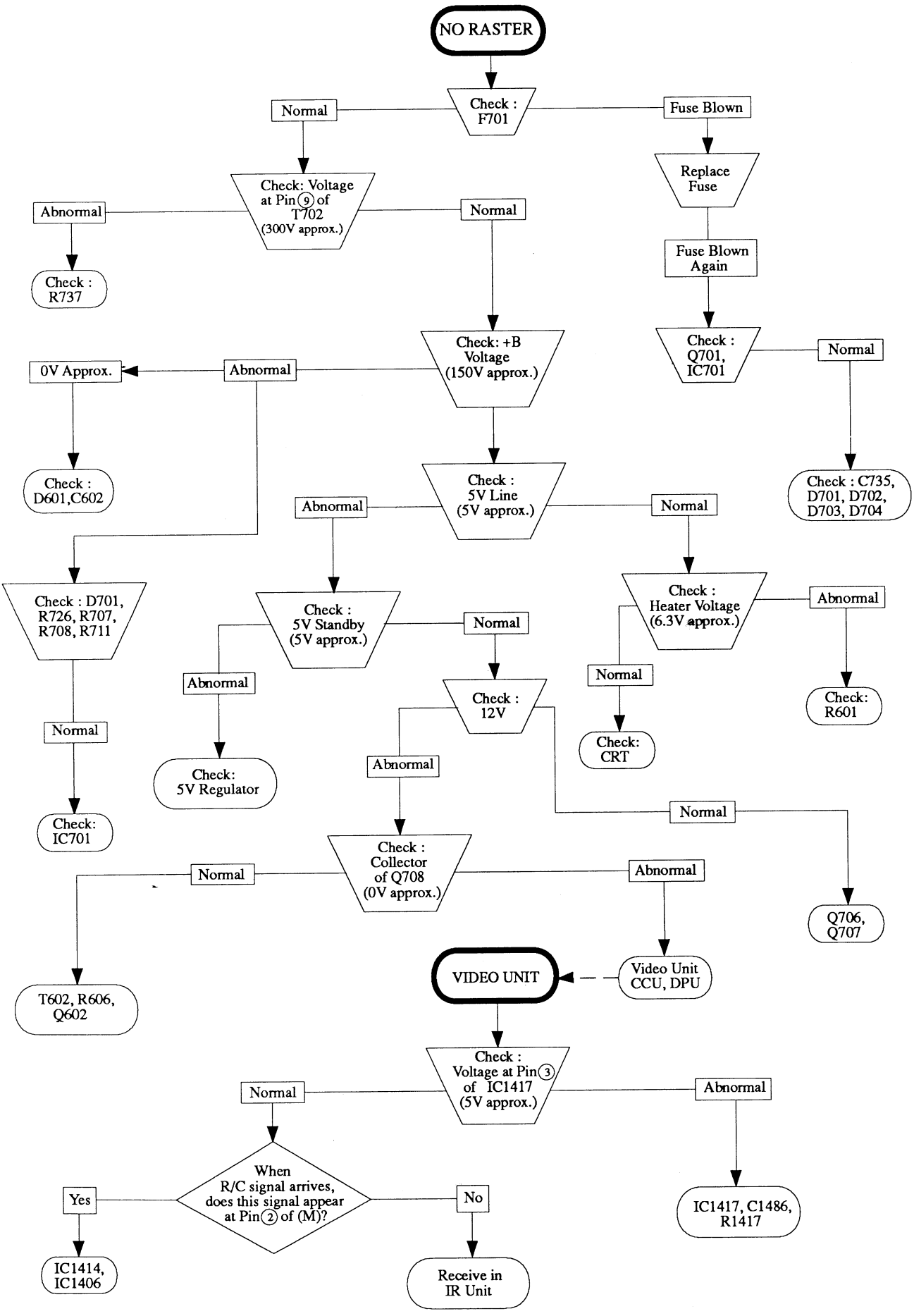
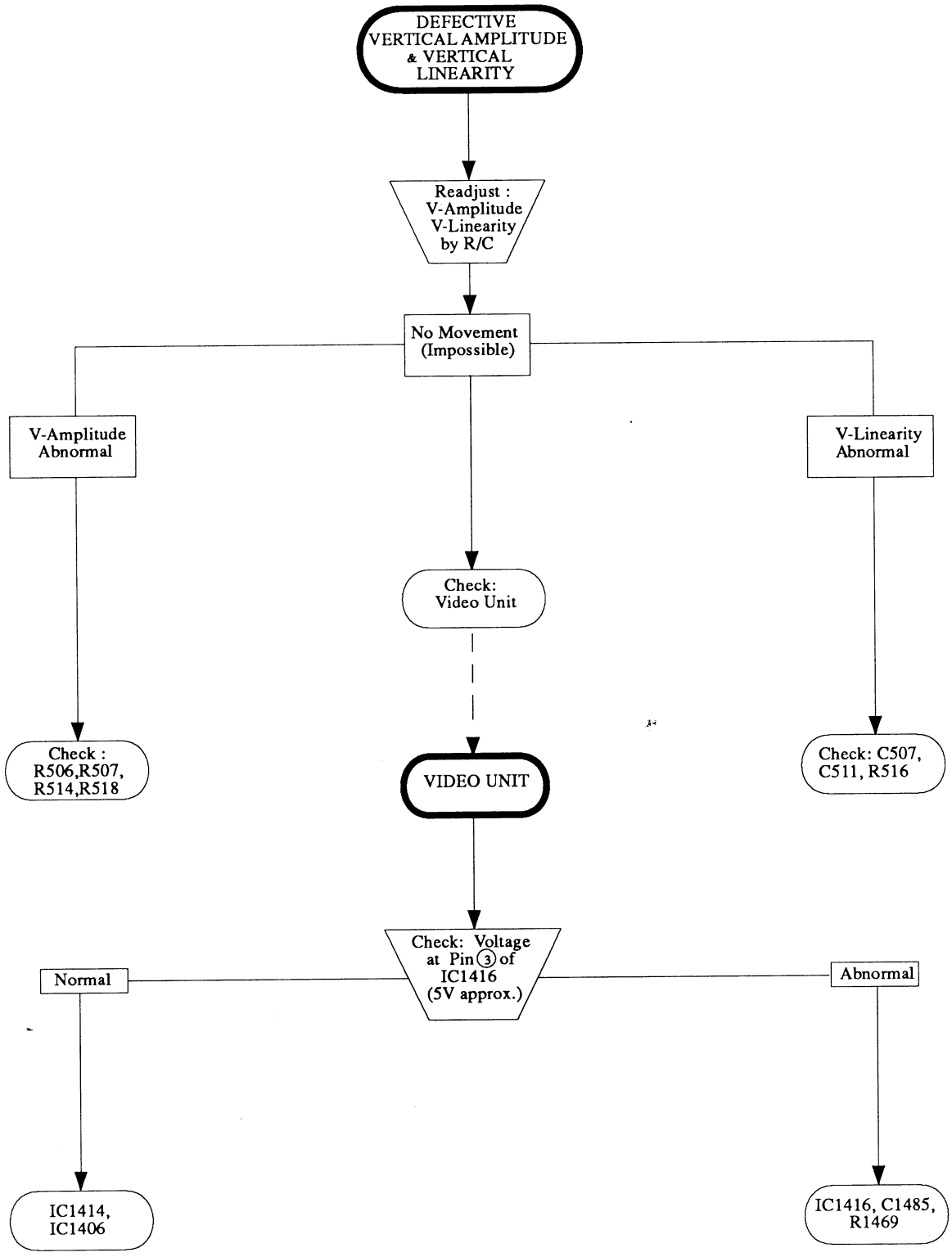
TROUBLESHOOTING TABLES

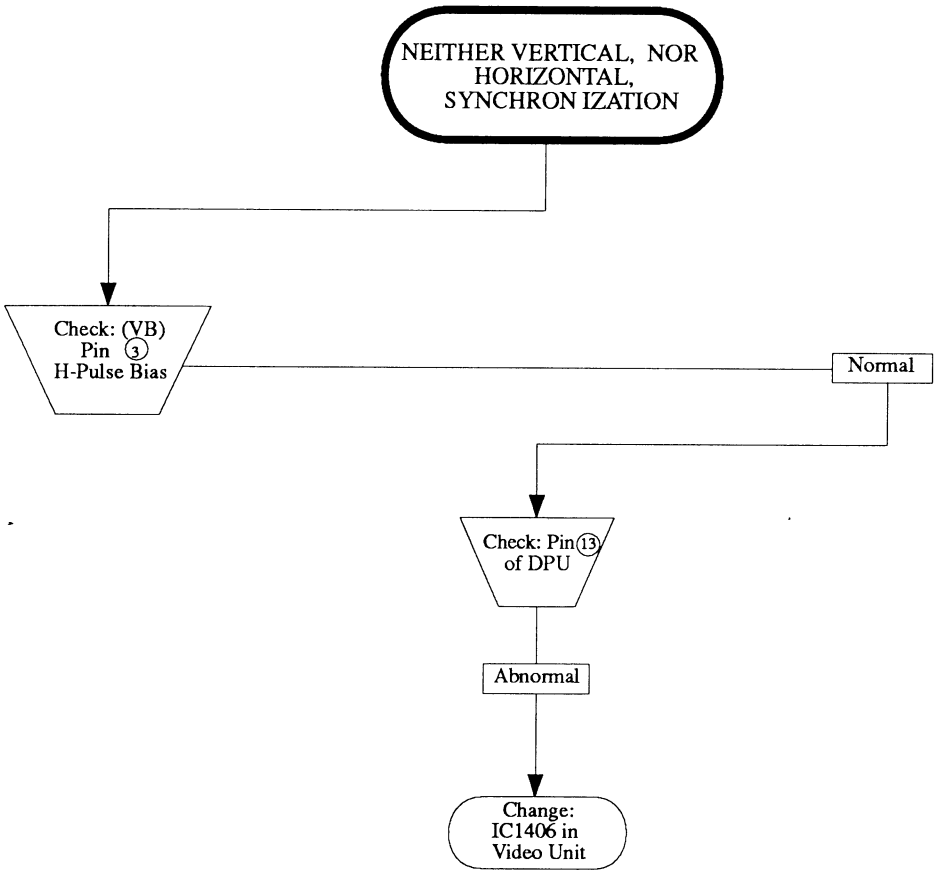


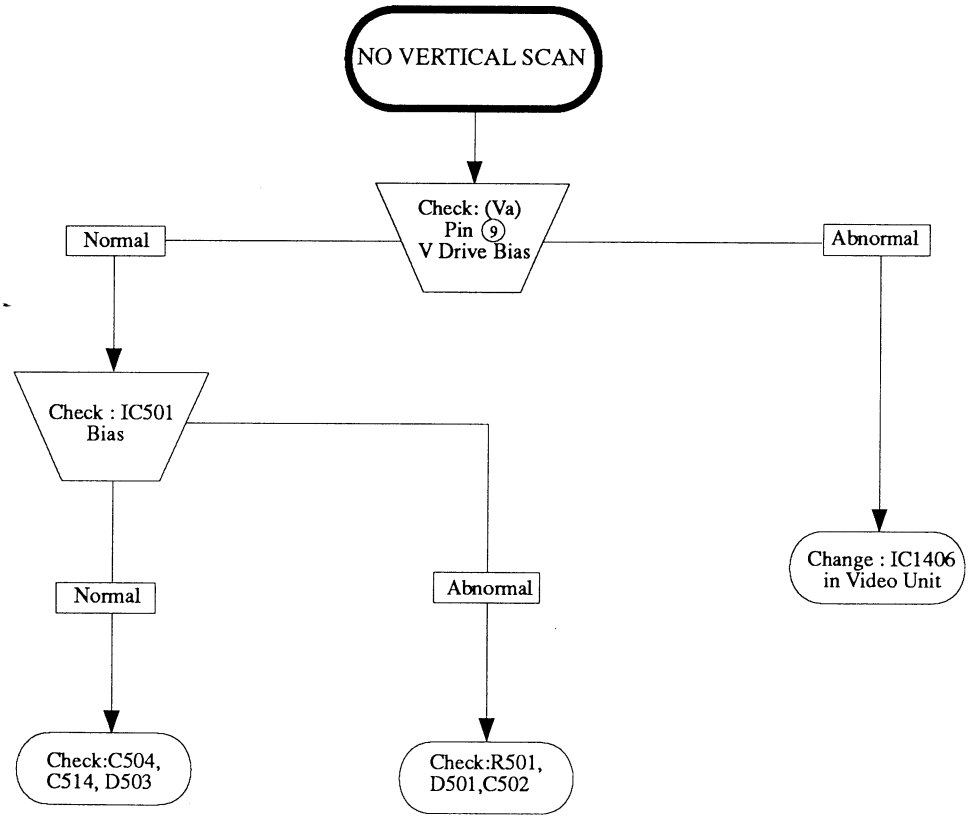

NO PICTURE
NO SOUND
Check:Picture & Sound setting by R/C (P-Set, S-Set)
Does 12V appear at Pin ③ of IF Unit ?
Yes
No
Check:12V Regulator Circuit D611, R625, C624, IC603
Check: The Tuner BP, +B, BT
BP: should be 5V
+B: should be 12V
BT: should be 33V
Normal
Abnormal
Check : Power supply for each circuit
BP:Q706, Q707, IC703, D713,D705,
+B:IC603, D611,R625, C626,
BT: IC211
Check: VT
Does VT change by channel changing?
Yes
No
When channel is changed does some signal appear at enable, data clock pins of Tuner?
Yes
No
Check : Tuner Circuit & IF Unit
IF UNIT
Check : Video Unit
VIDEO UNIT
Check: Voltage at Pin ㉑ of IC200 (9V approx.)
Abnormal
Normal
D200, C240, L204
Check: Voltage at Collector of Q200 (7V approx.)
Normal
Abnormal
IC200
Q200, R204
Check: R1419,R1420, R1429
Normal
Abnormal
R1419, R1420, R1429
When R/C signal arrives, does this signal appear at Pin ② of (M)?
Yes
No
IC1414
Receive in IR Unit

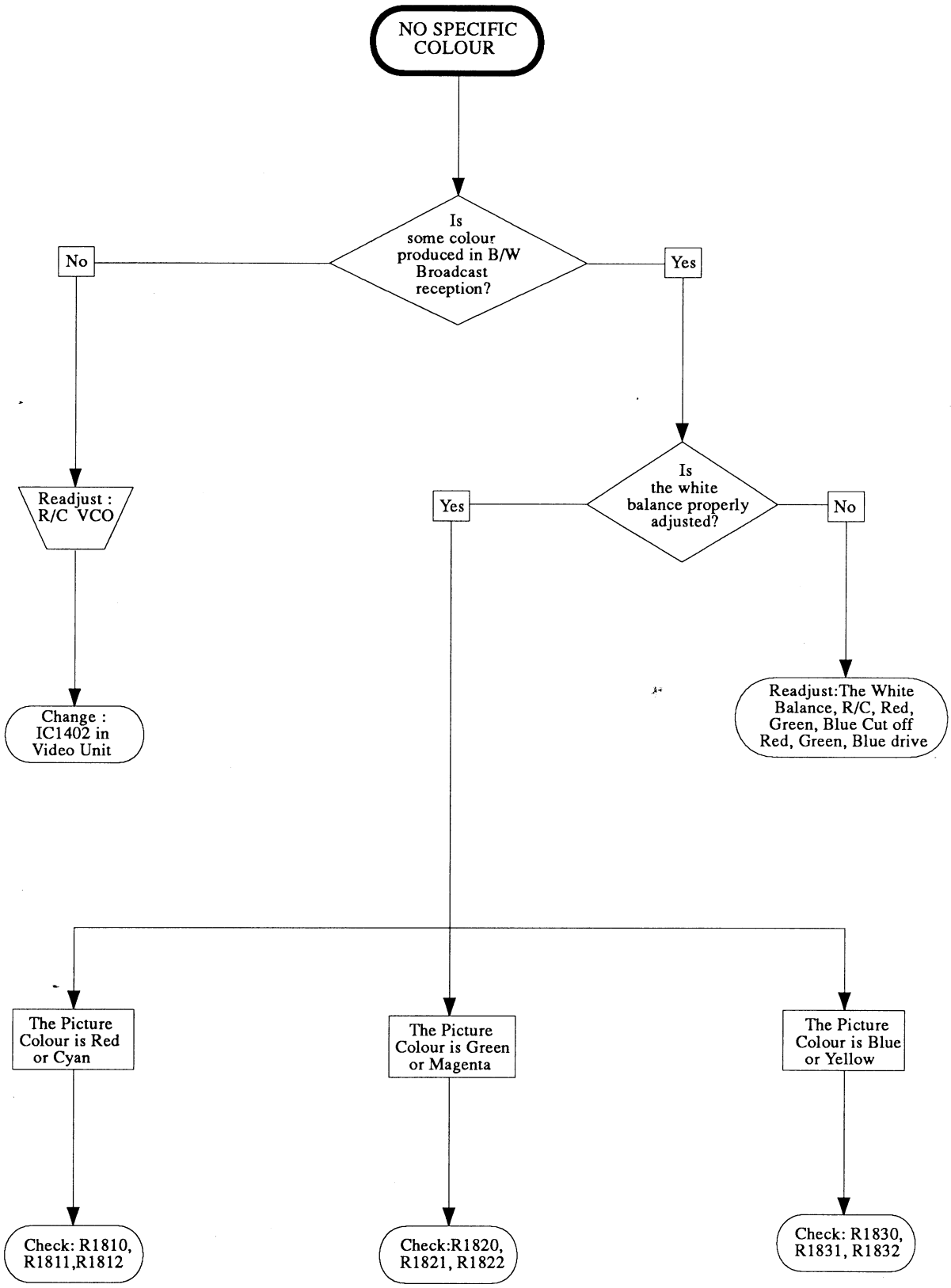
NO SOUND
Check: Sound setting by R/C (S-Set) Signal should be received
Does about ±14V appear at Pins ⑥ & ⑦ of IC 1304, IC 1305?
No
Yes
Check: ± 14V supply circuit D715, D717, C717, C718
Does Sound signal appear at Pins ⑪ & ⑫ of Sound Unit (AA)?
No
Yes
Check:Sound mute circuit Q1301, Q1302
Does Sound signal appear at Pins ⑧ & ⑩ of IF Unit (FA)?
Yes
No
Check: IF Unit
When Volume is changed: Does some signal appear in IM BUS line Pins ① ③ & ④ (AB) ?
No
Yes
Check: Video Unit See Flow Chart. No Picture, No Sound on page 10
Check: Sound Unit
SOUND UNIT
IF UNIT
Check : Voltage at Pins ① ⑨ & ⑱ of IC301 (5V approx.)
Normal
Abnormal
L302, C344
Does a signal appear at Pins ⑭ & ⑯ of IC301?
No
IC301
Check: Voltage at Pin ㉑ of IC200 (9V approx.)
Normal
Abnormal
D200, C204, L204
Check: Voltage at Collector of Q201 (7V approx.)
Normal
Abnormal
Q201, R210
Is Monaural sound correct?
Yes
No
IC200, R231
Check: Voltage at Pin ⑦ of IC201
Normal
Abnormal
R264, C255
Check: Voltage at Collector of Q204 (9V approx.)
Normal
Abnormal
IC201, T208
Q204, R252


NO RASTER
Check : F701
Normal
Fuse Blown
Replace Fuse
Fuse Blown Again
Check: Voltage at Pin 9 of T702 (300V approx.)
Abnormal
Check : R737
Normal
Check: +B Voltage (150V approx.)
0V Approx.
Abnormal
Check : D601,C602
Check : Q701, IC701
Normal
Check : C735, D701, D702, D703, D704
Check : 5V Line (5V approx.)
Abnormal
Normal
Check : D701, R726, R707, R708, R711
Check : 5V Standby (5V approx.)
Normal
Abnormal
Check : Heater Voltage (6.3V approx.)
Abnormal
Check: R601
Normal
Check: CRT
Check : 12V
Abnormal
Check: 5V Regulator
Normal
Check: IC701
Normal
Check : Collector of Q708 (0V approx.)
Abnormal
Q706, Q707
Normal
T602, R606, Q602
VIDEO UNIT
Video Unit CCU, DPU
Check : Voltage at Pin 3 of IC1417 (5V approx.)
Normal
Abnormal
When R/C signal arrives, does this signal appear at Pin 2 of (M)?
Yes
No
IC1414, IC1406
Receive in IR Unit
IC1417, C1486, R1417


DEFECTIVE VERTICAL AMPLITUDE & VERTICAL LINEARITY
Readjust : V-Amplitude V-Linearity by R/C
No Movement (Impossible)
V-Amplitude Abnormal
V-Linearity Abnormal
Check: Video Unit
Check : R506,R507, R514,R518
VIDEO UNIT
Check: C507, C511, R516
Check: Voltage at Pin 3 of IC1416 (5V approx.)
Normal
Abnormal
IC1414, IC1406
IC1416, C1485, R1469


NEITHER VERTICAL, NOR HORIZONTAL, SYNCHRON IZATION
Check: (VB) Pin 3 H-Pulse Bias
Normal
Check: Pin 13 of DPU
Abnormal
Change: IC1406 in Video Unit


NO VERTICAL SCAN
Check: (Va) Pin 9 V Drive Bias
Normal
Abnormal
Check : IC501 Bias
Normal
Abnormal
Change : IC1406 in Video Unit
Check:C504, C514, D503
Check:R501, D501,C502


NO SPECIFIC COLOUR
Is some colour produced in B/W Broadcast reception?
No
Yes
Readjust : R/C VCO
Change : IC1402 in Video Unit
Is the white balance properly adjusted?
Yes
No
Readjust:The White Balance, R/C, Red, Green, Blue Cut off Red, Green, Blue drive
The Picture Colour is Red or Cyan
The Picture Colour is Green or Magenta
The Picture Colour is Blue or Yellow
Check: R1810, R1811,R1812
Check:R1820, R1821, R1822
Check: R1830, R1831, R1832