

## **Troubleshooting Guide Subindex**

**Dead Or Malfunction**

**Distorted Playback (Periodic Noise Bar)**

**No Hi-Fi Audio Playback**

**No Hi-Fi Audio Recording**

**No Normal Audio Playback (With Hi-Fi Audio)**

**No Normal Audio Playback (Without Hi-Fi Audio)**

**No Normal Audio Recording (With Hi-Fi Audio)**

**No Normal Audio Recording (Without Hi-Fi Audio)**

**No Video Recording**

**No Video Playback**

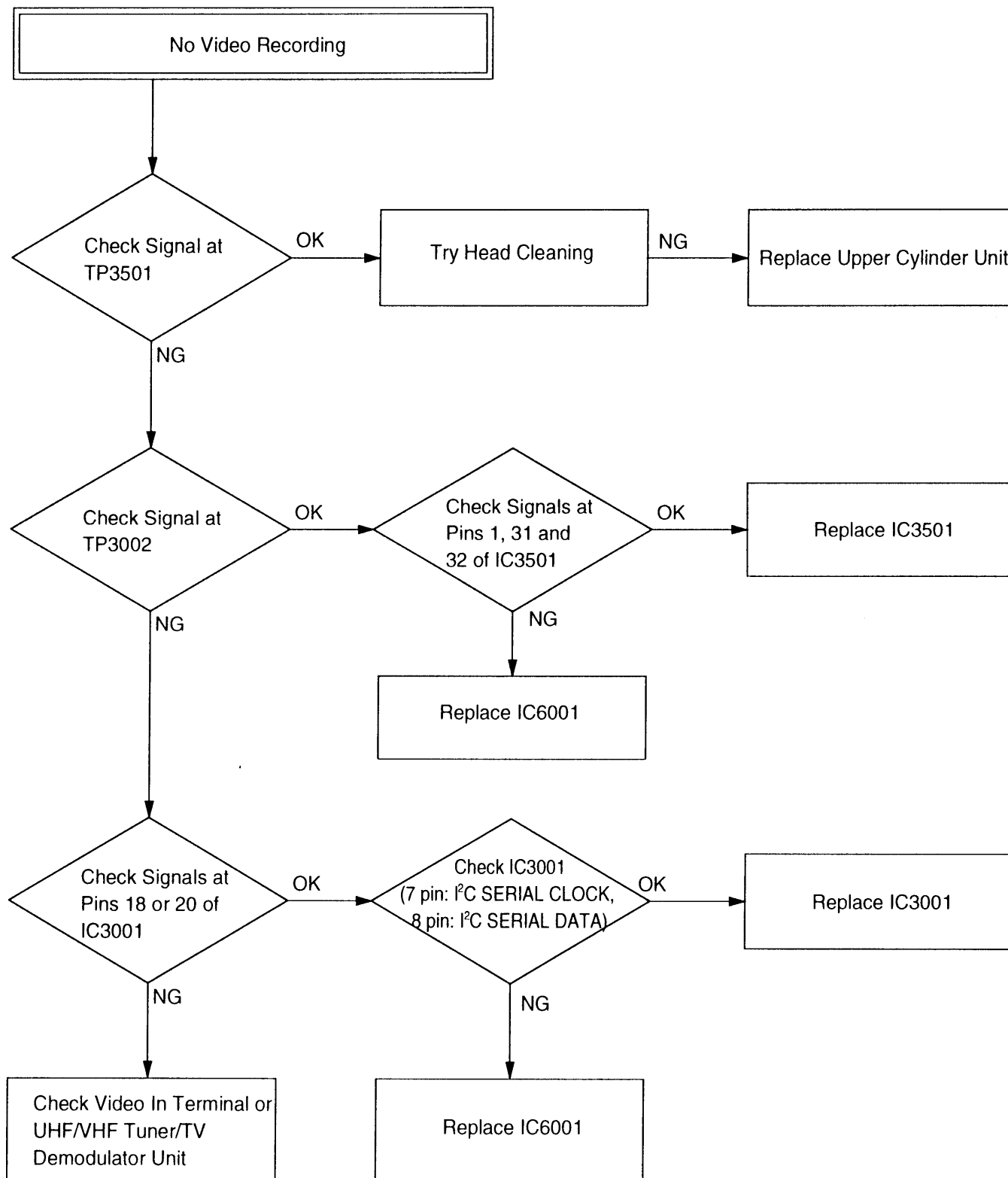
**Playback Snow/Noise**

**Power Supply Section**

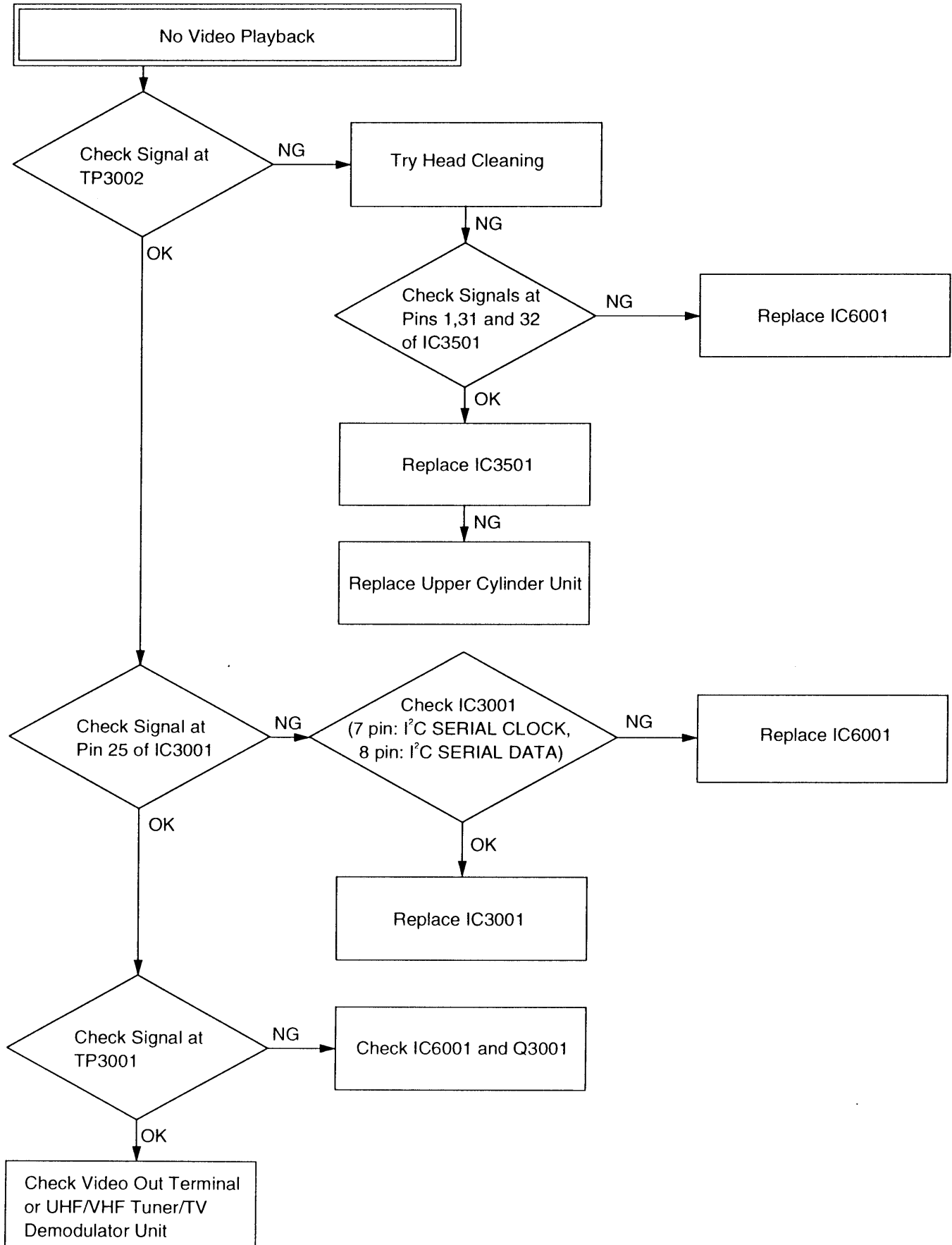
**Voltage and Resistance of Power Line**

**Wide Noise Band**

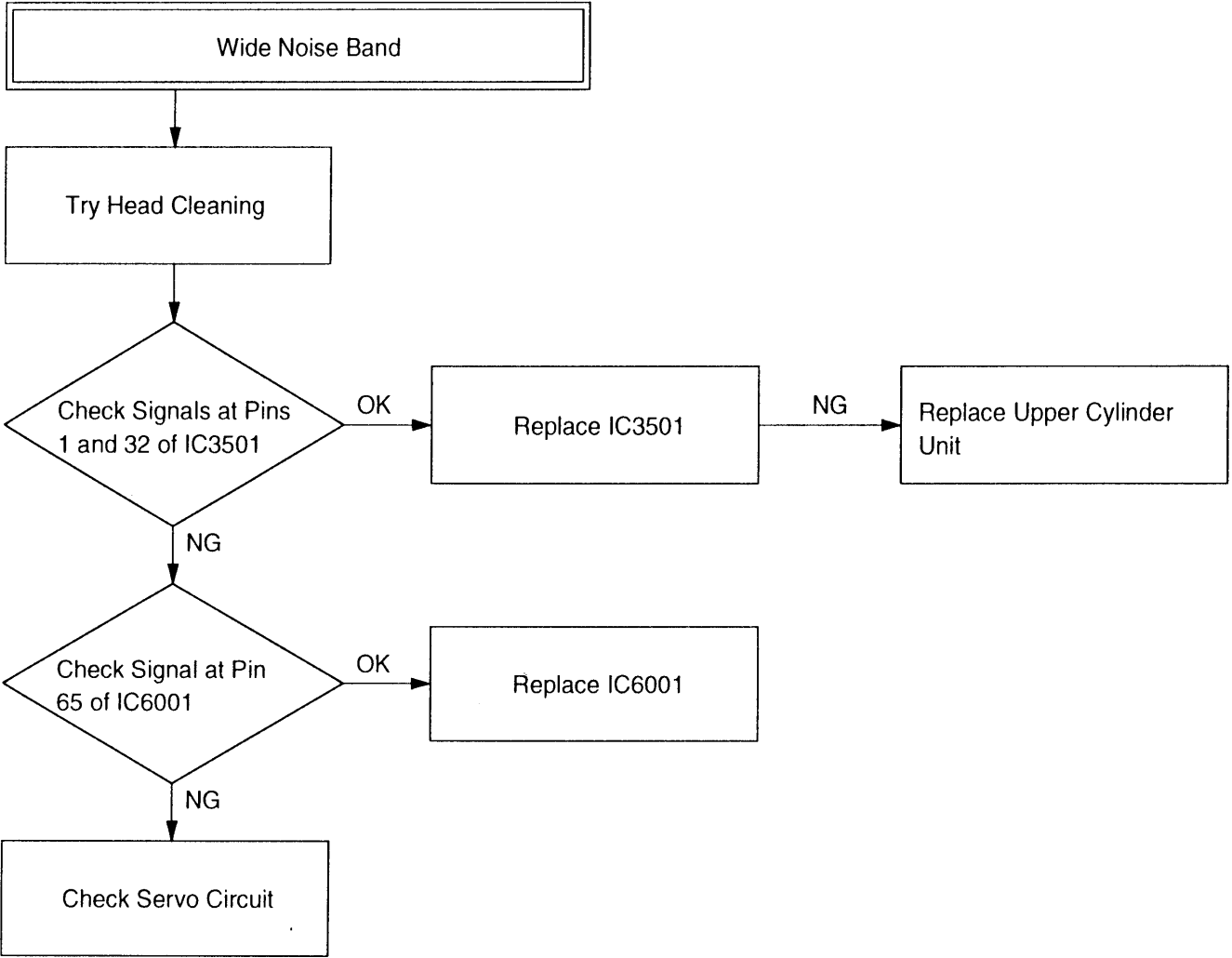
Video Section



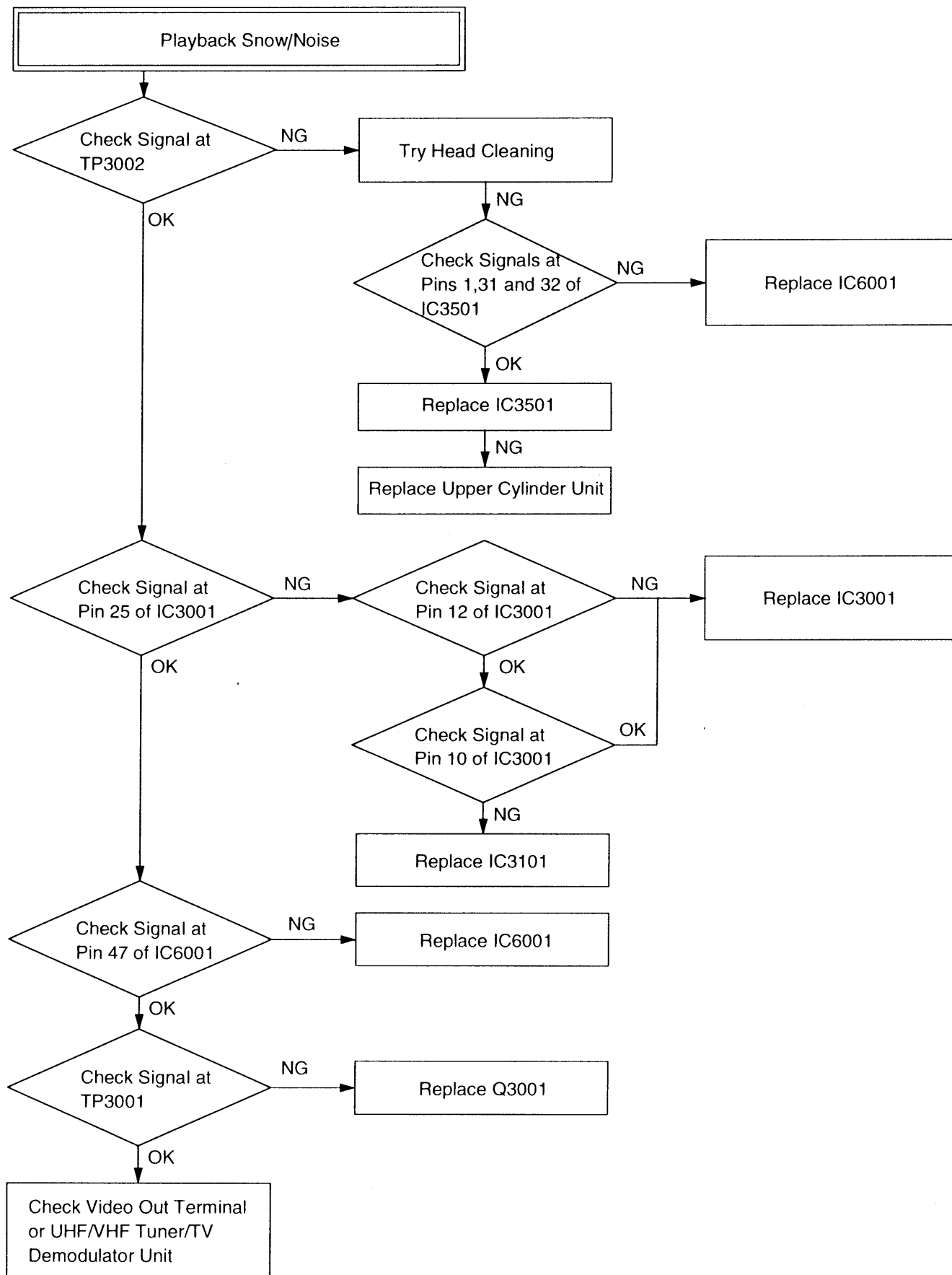
Video Section



Video Section

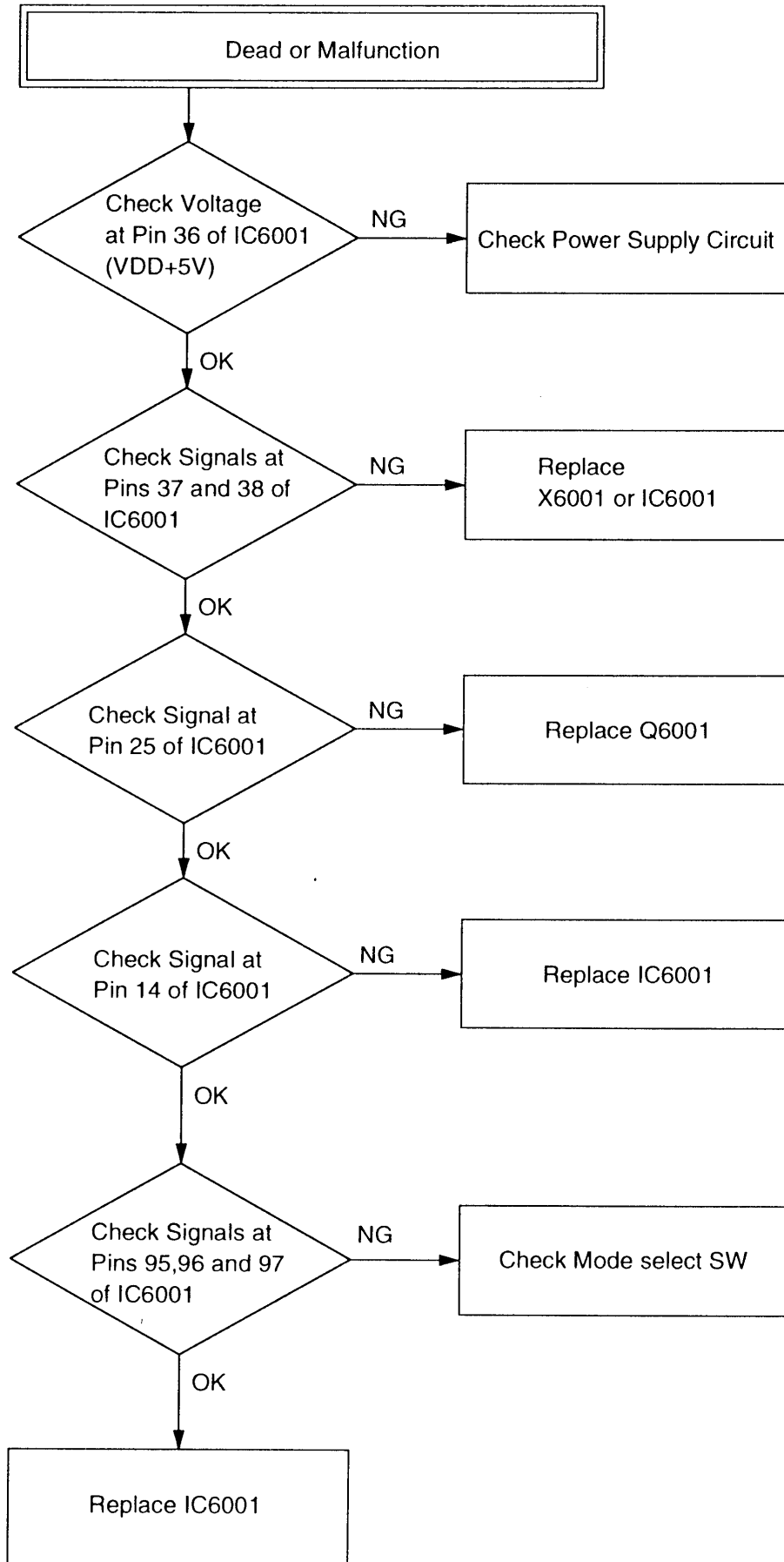


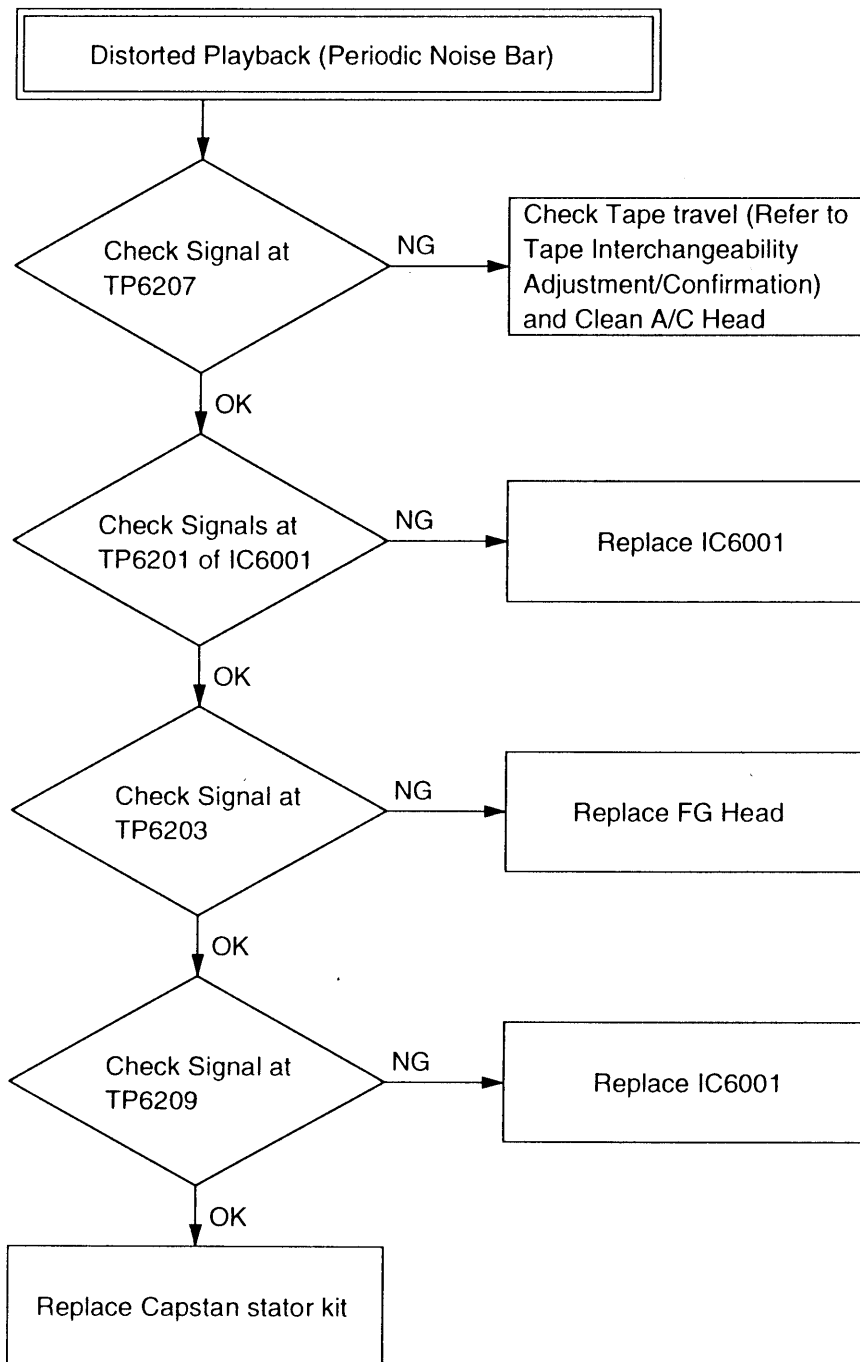
Video Section



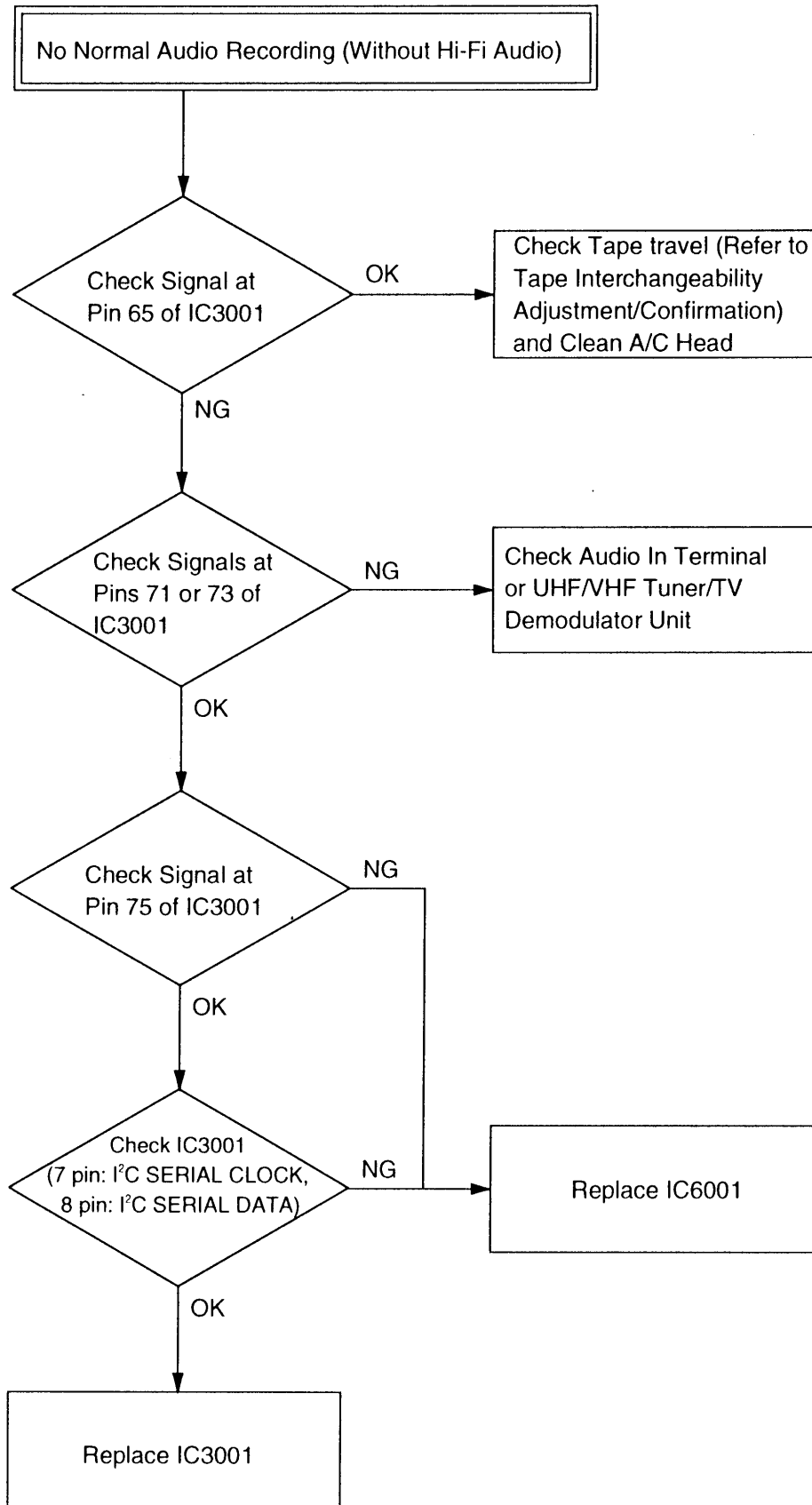
## TROUBLESHOOTING GUIDES

## System Control &amp; Servo Section

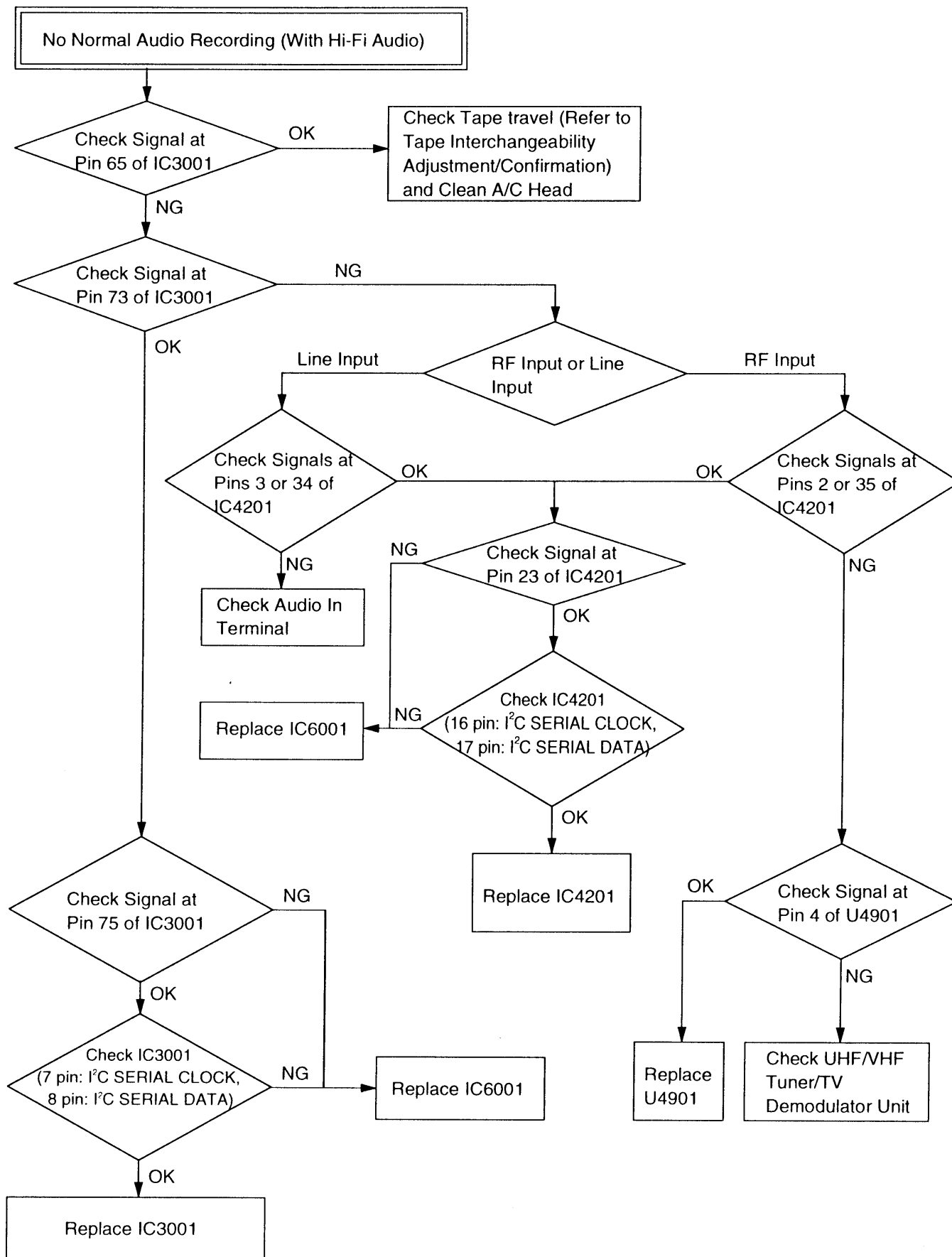


**TROUBLESHOOTING GUIDES****System Control & Servo Section**

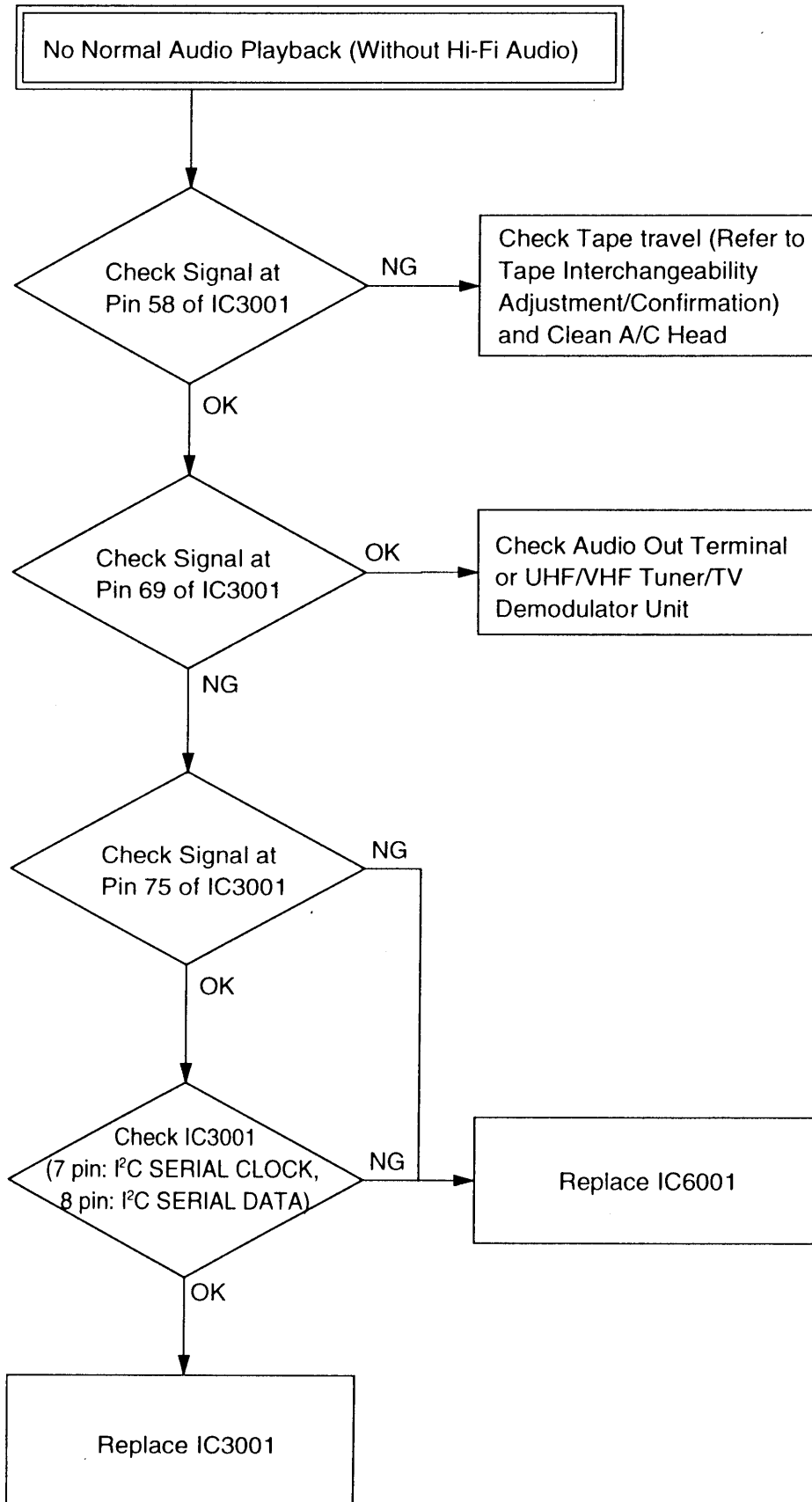
**Audio Section**



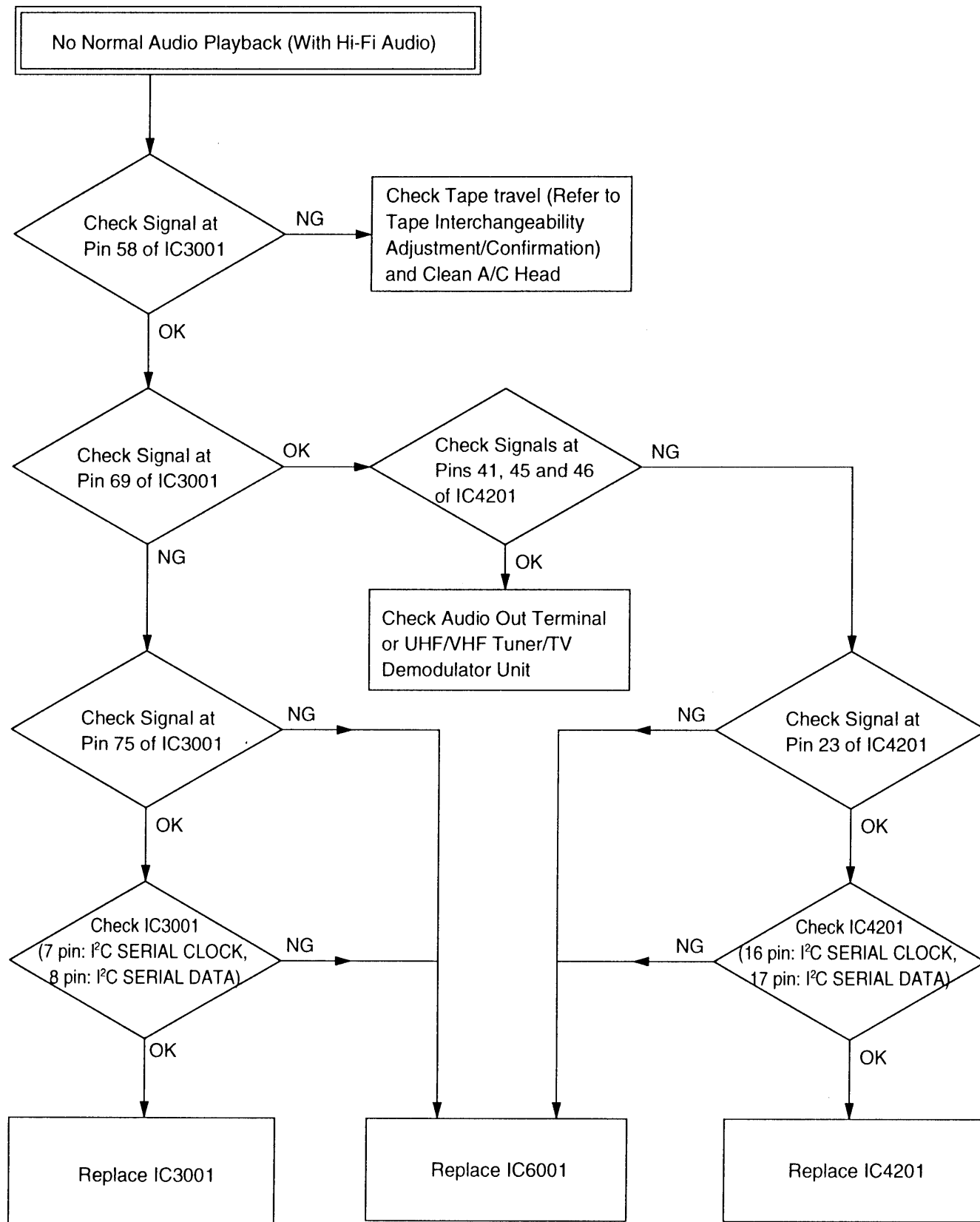
# Audio Section

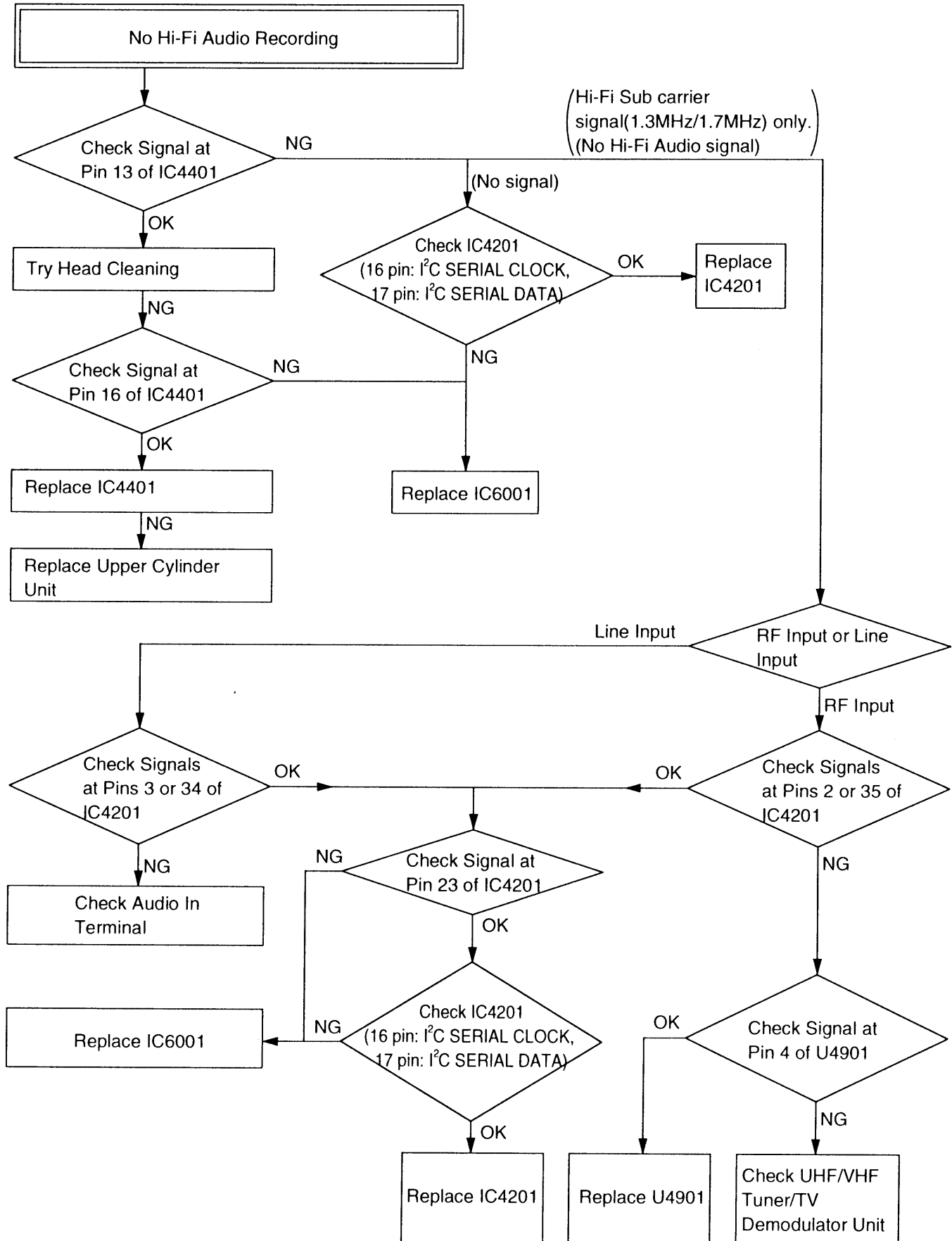


### Audio Section

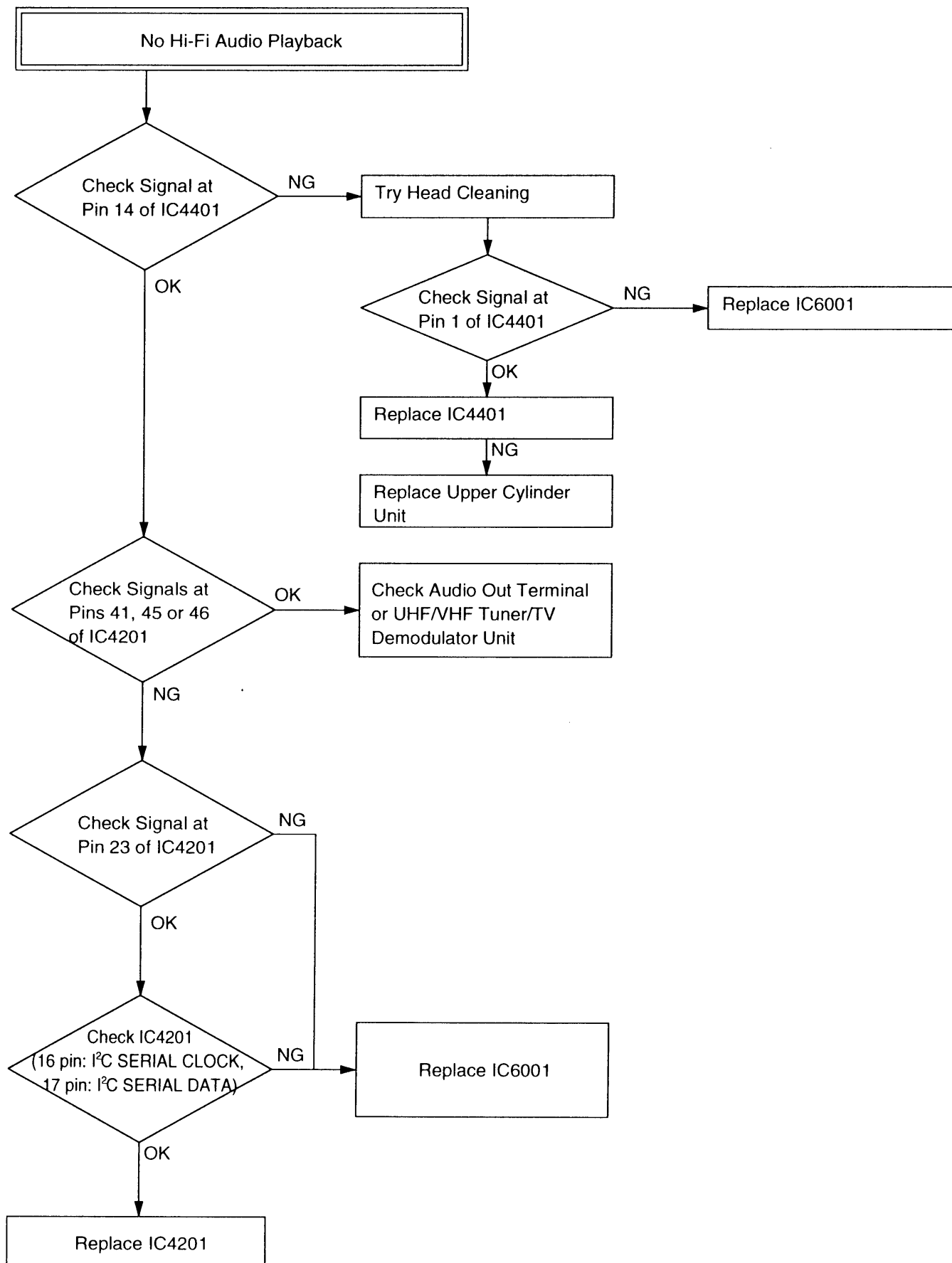


## Audio Section

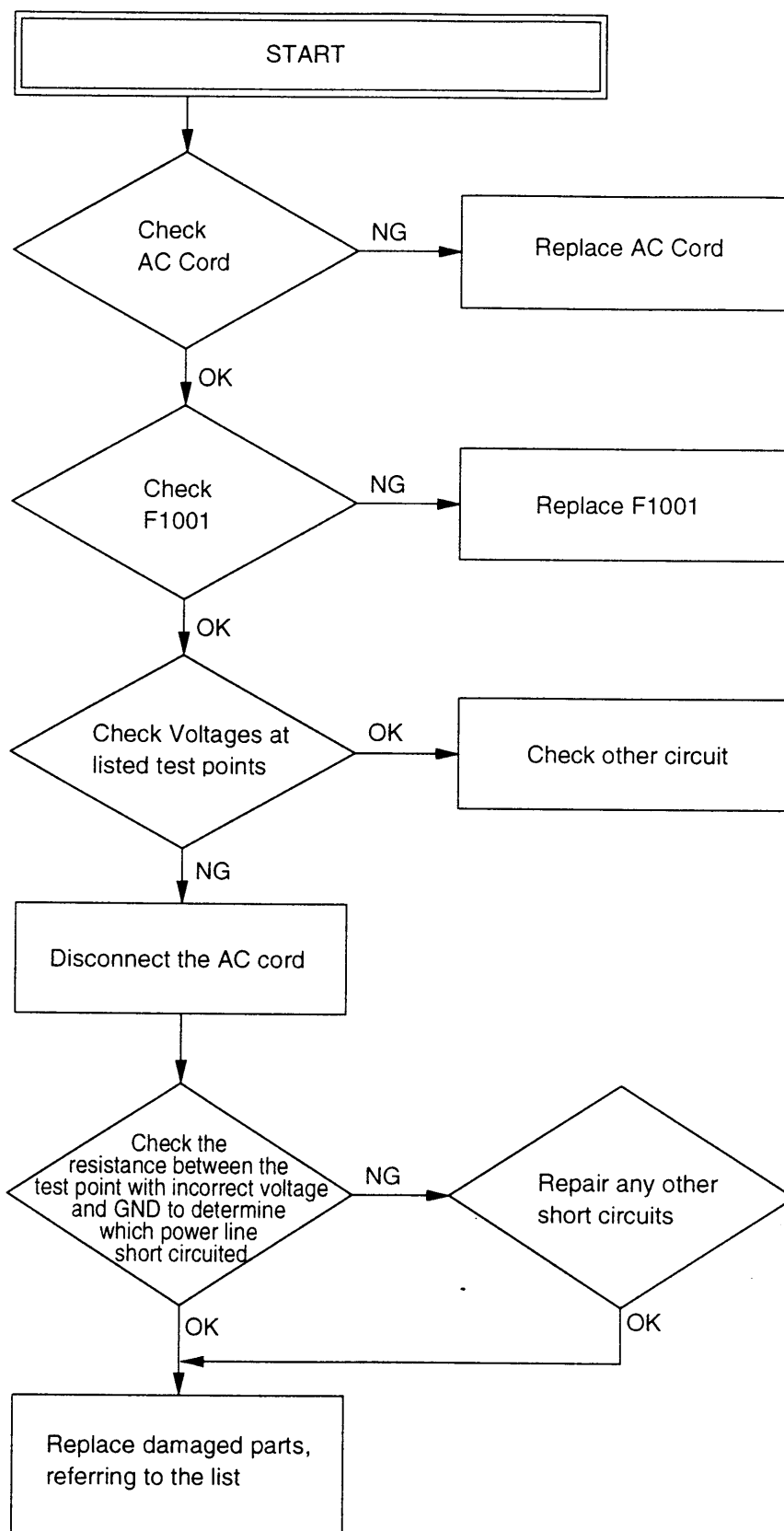


**TROUBLESHOOTING GUIDES****Hi-Fi Audio Section**

### Hi-Fi Audio Section



Power Supply Section



**TROUBLESHOOTING GUIDES****Voltage and Resistance of Power Line**

Test Points (Main C.B.A.)	Voltage	Resistance
TP1002 (DC+33V)	33.0V	More than 500 ohm
TP1003 (DC+14V)	15.0V	More than 30 ohm
TP1004 (DC-30V)	-30.7V	More than 500 ohm
TP1005 (DC+5V)	5.2V	More than 25 ohm
TP1008 (Power Down (L))	5.2V	More than 500 ohm
TP1058 (DC+12V)	12.0V	More than 30 ohm

VOLTAGE: STOP mode under normal conditions.

RESISTANCE: Between Test points and GND with power off under normal conditions.

Note: The Voltages and Resistance listed are approximate.

**When power line is short circuited, check the following parts. Replace if necessary.**

**(1). SHORT CIRCUIT AND REPLACEMENT PARTS ON POWER LINE.**

	CONDITION OF SHORT CIRCUIT	DAMAGEABLE PARTS BY SHORT CIRCUIT
(1)	5V ➡ GND	*PR1001, *D1008, Q1005, Q1053, Q1056
(2)	33V ➡ GND	*D1005, *R1010
(3)	14V ➡ GND 12V ➡ GND	D1006, *D1015, Q1051, *Q1052 D1051, D1052, D1053, *PR1002
(4)	-30V ➡ GND	*R1011, *D1007, *R1024
(5)	33V ➡ 14V	D1006, *D1015, Q1051, *Q1052 D1051, D1052, D1053, *PR1002
(6)	-30V ➡ 5V	REPLACE THE ALL OF PARTS OF (1) AND (4)
(7)	14V ➡ 12V	*Q1051, *Q1052, D1051, D1052, D1053, *PR1002
(8)	33V ➡ POWER DOWN(L)	*Q1005, D1005, R1010

\*NOTE1: When a short circuit occurs supplying the Power for a long time will cause the fuse to blow.

\*NOTE2: Parts with \* mark are the most susceptible to damage in case of short circuit. Please check them first.

**(2). IN CASE OF FUSE(F1001) BLOW.**

Replace Parts F1001, Q1001, Q1002, D1001(very rarely has problems), C1016, C1028, D1015.

Cause ➡ It may be caused by a short circuit of 5V or 14V.

**(3). JUST AFTER TURNING POWER ON, ABNORMAL NOISE CAN BE HEARD FROM POWER SUPPLY CIRCUIT.**

Replace Parts D1015, D1008, D1007, R1011, C1016.

Cause ➡ It may be caused by a short circuit of 5V, -30V, 14V.

In this condition, supplying the Power for a long time will cause the fuse to blow.