

ALIGNMENT PROCEDURE AND OPTION SETTING

Self Check Mode

To enter self check mode, set the programme position to Channel 99.
Set sharpness to a minimum, press the status button () on the remote control whilst simultaneously pressing the down button () at the front of the set. This should bring the set into self check mode.

Entering SERVICE mode

Whilst in self check mode, press the mute remote key () and local down button on the set () simultaneously. The user must make sure that Sharpness is set to a minimum and that the programme position is set to Channel 99 as well. This should bring the user to service mode1. Scroll through the service items using the cursor up and down keys and adjust accordingly using the -/+ keys on the remote.

Service mode navigation

Up /Down remote keys :scroll through the service items available.
-/+ remote keys :Decrement/Increment the values within range.
TV/AV :Store the current data.

ORDER	FUNCTIONS AND SETTINGS		VALUES (NOMINAL VALUES)
1	Cut Off Alignment	UG2	TEST
2	Vertical Slope	V-Slo	033
3	Vertical Position	V-Pos	005
4	Vertical Amplitude	V-Amp	045
5	Horizontal Position	H-Ctr	039
6	Horizontal Parabola	H-Par	030
7	Horizontal Bow	H-Bow	021
8	Red Colour Cut	R-Cut	037
9	Green Colour Cut	G-Cut	031
10	Red Colour Drive	R-Drv	063
11	Green Colour Drive	G-Drv	048
12	Blue Colour Drive	B-Drv	038
13	RF Automatic Gain Control	AGC	035
14	Sub Colour	S-Col	011
15	Sub Brightness	S-Bri	040
16	East/West Width (Horizontal Amplitude)	EW-WD	017
17	East/West Parabola	EW-PR	039
18	East/West Upper Corner	EW-UC	044
19	East/West Lower Corner	EW-LC	042
20	East/West Trapezium	EW-TP	034

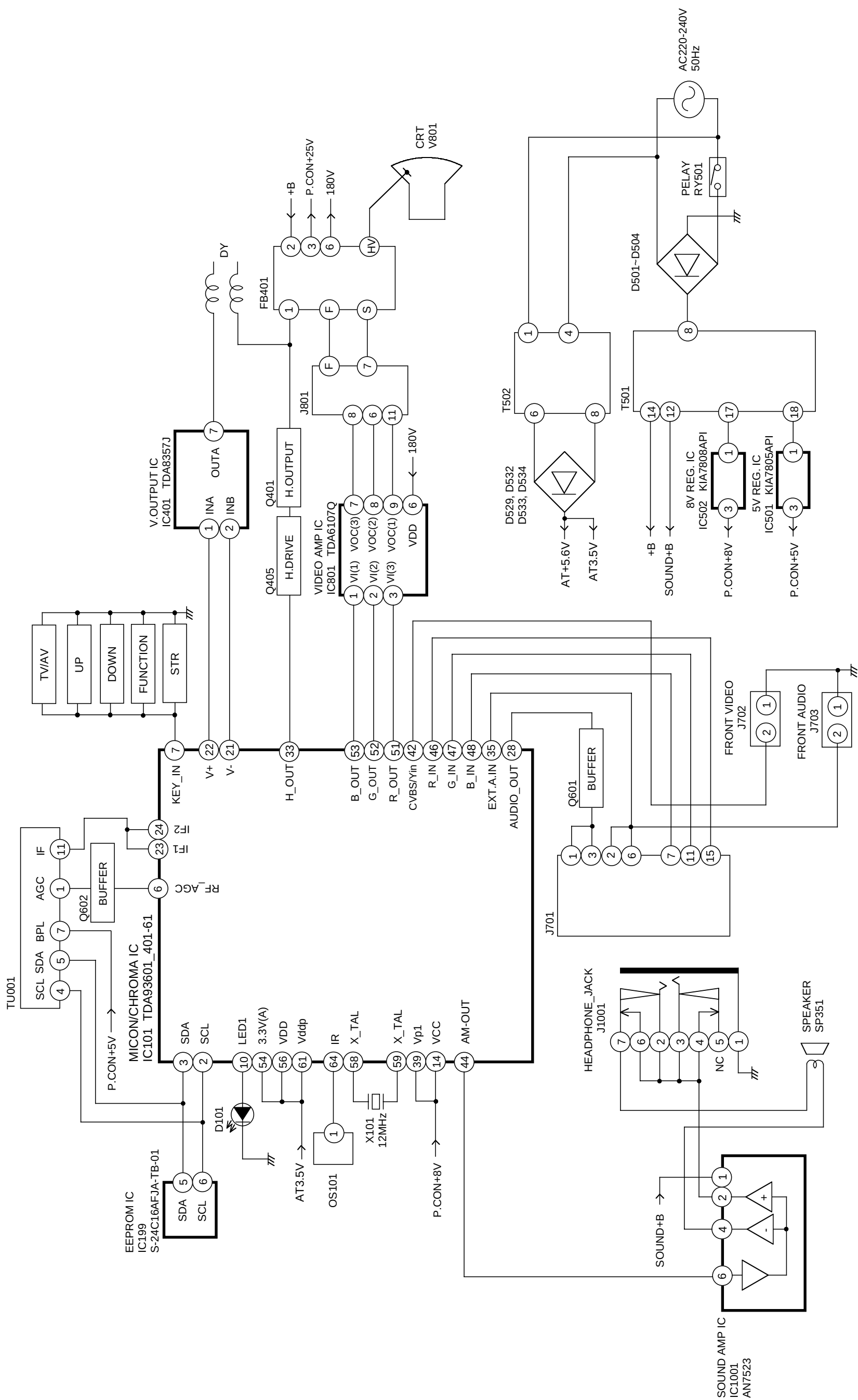
Cut Off UG2 alignment:

Adjust it on AV mode.
Set condition is in AV mode without signal.
Place the set into an Ageing Test for more than 15 minutes.
Adjust the unit to the following settings.
R-Cut=32, G-Cut=32, R-Drv=42, G-Drv=42, B-Drv=42.
Press the G2 button on the service remote.
Adjust the **Screen Volume** on the FBT until the indicator on the set will be lit.

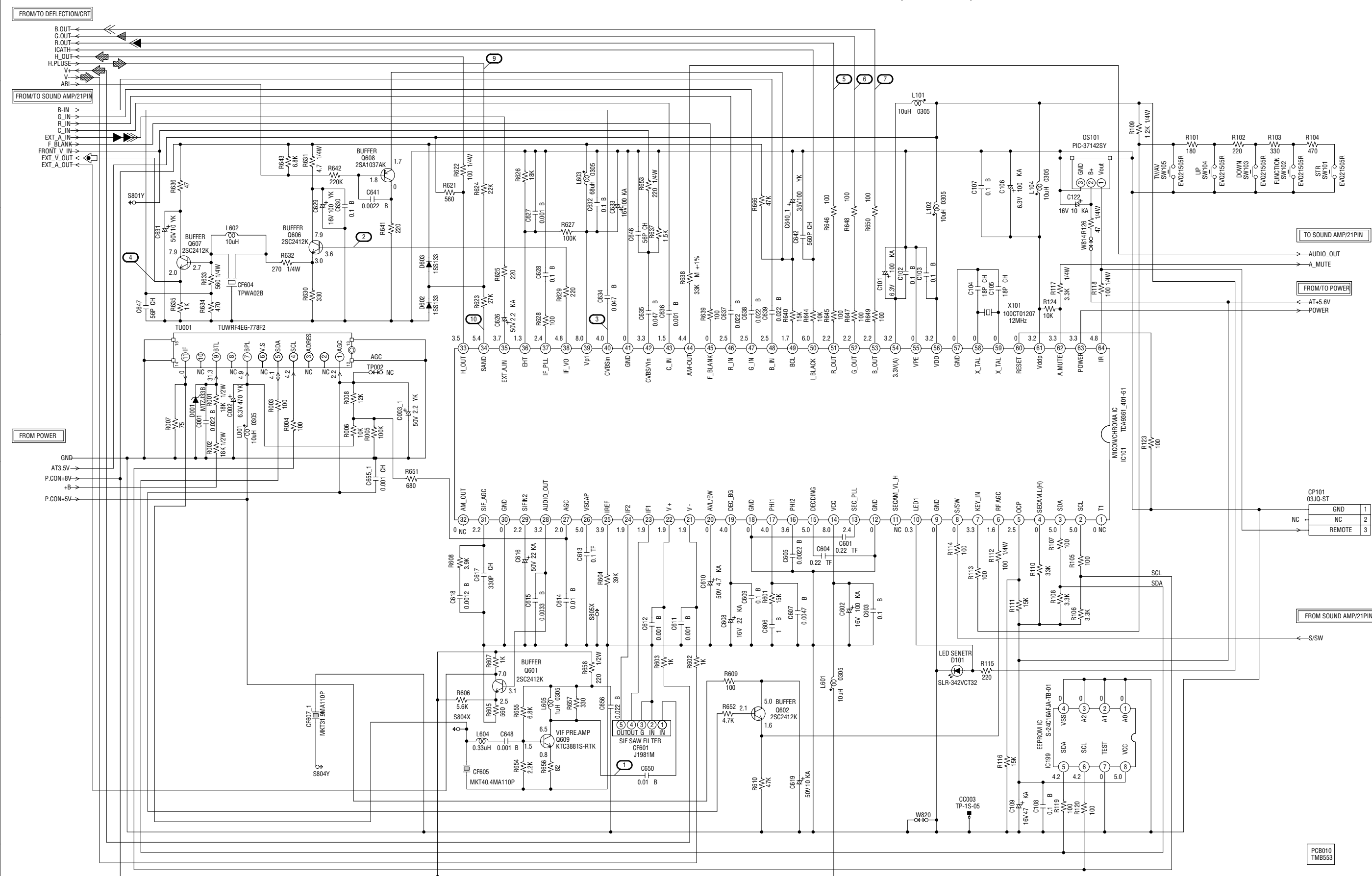
White Balance:

Adjust this after performing CUT OFF UG2 alignment.
Place the set into an ageing test for approximately 15 minutes.
Generate a gray scale pattern from a Pattern Generator.
Set the colour balance to normal position.
Press the FACTORY button on the service remote.
Adjust accordingly using +/- button on the service remote to whiten the settings of R-Cut, G-Cut, R-Drv and G-Drv at each section equally.B-Drv step number however should be fixed at 42.

BLOCK DIAGRAM



MICON/CHROMA SCHEMATIC DIAGRAM (MAIN PCB)



NOTE: THIS INTERCONNECTION DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE .

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

- ◀◀ B.SIGNAL
- ◀ R.SIGNAL
- ◀ G.SIGNAL
- ◀ DEFLECTION SIGNAL

- ◀ VIDEO SIGNAL
- ◀◀ PLAYBACK LUMINANCE SIGNAL
- ◀◀◀ LUMINANCE SIGNAL

PCB010
TMB553

(MAIN PCB)



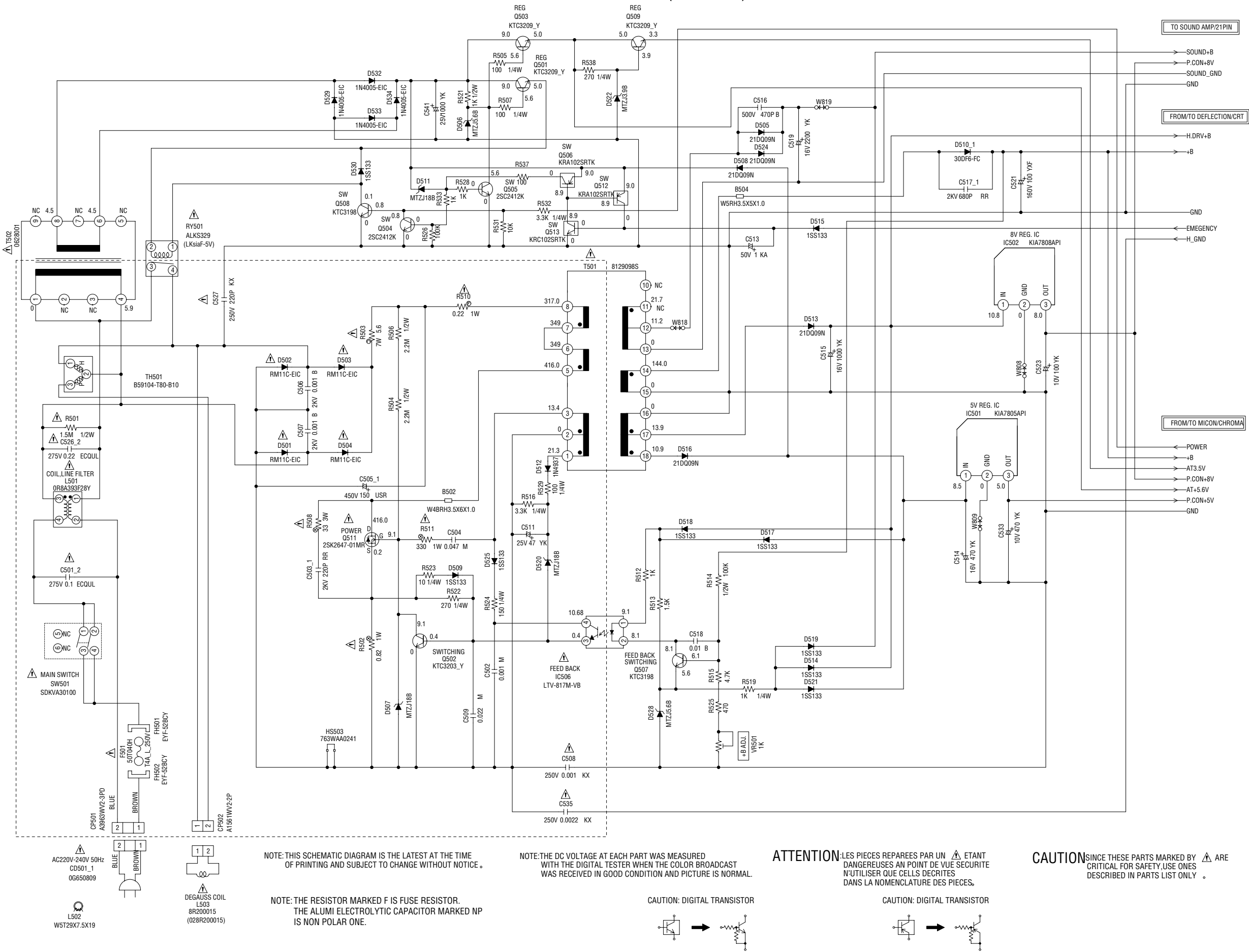
- ◀ AUDIO SIGNAL(REC)
- ◀ VIDEO SIGNAL
- ◀ PLAYBACK LUMINANCE SIGNAL
- ◀ LUMINANCE SIGNAL
- ◀ COLOR SIGNAL

(CRT PCB)



POWER SCHEMATIC DIAGRAM

(MAIN PCB)



ATTENTION: LES PIÈCES RÉPARÉES PAR UN  ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

CAUTION SINCE THESE PARTS MARKED BY  ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY .

PCB010
TMB553