# STR-K740P/K840P

## **SERVICE MANUAL**

Ver 1.0 2002, 02



US Model Canadian Model AEP Model UK Model E Model

• STR-K740P/K840P are the tuner and the amplifier section in HT-DDW740/DDW840.

Photo: STR-K840P (SILVER model)

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#### **SPECIFICATIONS**

### POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 40 - 20,000 Hz; rated 100 watts (STR-K840P only)/80 watts (STR-K740P only) per channel minimum RMS power, with no more than 0.09 % total harmonic distortion from 250 milliwatts to rated output (Models of area code U only).

#### **Amplifier section**

POWER OUTPUT Models of area code U, CA Rated Power Output at Stereo Mode

 $\begin{array}{l} (8 \text{ ohms } 40 \text{ Hz} - 20 \text{ kHz}, \text{ THD } 0.09 \text{ \%}) \\ \text{STR-K840P:} & 100 \text{ W} + 100 \text{ W} \\ \text{STR-K740P:} & 80 \text{ W} + 80 \text{ W} \end{array}$ 

**Reference Power Output** 

(8 ohms 1 kHz, THD 0.7 %)

STR-K840P: FRONT<sup>1)</sup>:100 W/ch

CENTER<sup>1)</sup>: 100 W SURR<sup>1)</sup>: 100 W/ch FRONT<sup>1)</sup>: 80 W/ch

STR-K740P: FRONT<sup>1)</sup>: 80 W/cl

CENTER<sup>1)</sup>: 80 W SURR<sup>1)</sup>: 80 W/ch

Models of area code CEL,CEK Rated Power Output at Stereo Mode

(8 ohms 1 kHz, THD 0.7 %)

 $\begin{array}{ll} \text{STR-K840P:} & 100 \ W + 100 \ W^{2)} \\ \text{STR-K740P:} & 80 \ W + 80 \ W^{2)} \end{array}$ 

Reference Power Output<sup>2)</sup>

(8 ohms 1 kHz, THD 0.7 %)

STR-K840P: FRONT<sup>1</sup>): 100 W/ch

CENTER<sup>1)</sup>: 100 W SURR<sup>1)</sup>: 100 W/ch

STR-K740P: FRONT<sup>1)</sup>: 80 W/ch CENTER<sup>1)</sup>: 80 W

CENTER<sup>1</sup>: 80 W SURR<sup>1</sup>: 80 W/ch Models of area code AR, SP Rated Power Output at Stereo Mode

(8 ohms 1 kHz, THD 0.7 %) STR-K840P: 90 W + 90

Reference Power Output<sup>2)</sup>

(8 ohms 1 kHz, THD 10 %) STR-K840P: FRONT<sup>1)</sup>: 120 W/ch

CENTER<sup>1</sup>): 120 W/ch

Models of other area code Rated Power Output at Stereo Mode

(8 ohms 1 kHz, THD 0.7 %)

STR-K840P:  $100 \text{ W} + 100 \text{ W}^{2}$ STR-K740P:  $80 \text{ W} + 80 \text{ W}^{2}$ 

Reference Power Output<sup>2)</sup>

(8 ohms 1 kHz, THD 10 %)

STR-K840P: FRONT<sup>1</sup>: 120 W/ch

CENTER<sup>1)</sup>: 120 W SURR<sup>1)</sup>: 120 W/ch FRONT<sup>1)</sup>: 100 W/ch

STR-K740P: FRONT<sup>1)</sup>: 100 W/ch

CENTER<sup>1)</sup>: 100 W/ch SURR<sup>1)</sup>: 100 W/ch

1) Depending on the sound field settings and the source, there may be no sound output.

2) Measured under the following conditions:

Power requirements
240 V AC, 50 Hz
230 V AC, 50 Hz
120 VAC, 60 Hz

— Continued on next page —

## FM STEREO FM-AM RECEIVER

SONY®

9-873-544-01

2002B1600-1 Home Audio Company

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Sony Corporation

Published by Sony Engineering Corporation

#### Frequency response

MULTI CH IN3), CD,	10  Hz - 50  kHz
MD/TAPE, DVD/LD,	+0.5/-2 dB (with sound
VIDEO 1, 2	field, and tone bypassed)

#### Inputs (Analog)

Sensitivity: 250 mV
Impedance: 50 kilohms
S/N4): 96 dB
$(A, 250 \text{ mV}^{5})$

- 3) HT-DDW840 only
- 4) INPUT SHORT (with sound field and tone bypassed).
- 5) Weighted network, input level.

#### Inputs (Digital)

DVD/LD (Coaxial)	Sensitivity: -		
, ,	Impedance: 75 ohms		
	S/N: 100 dB		
	(A, 20 kHz LPF)		
VIDEO 2 (Optical)	Sensitivity: -		
	Impedance: -		
	S/N: 100 dB		
	(A, 20 kHz LPF)		

#### Outputs

MD/TAPE (OUT),	Voltage: 250 mV
VIDEO 1	Impedance: 10 kilohms
(AUDIO OUT)	
SUB WOOFER	Voltage: 2 V
	Impedance: 1 kilohms

#### Tone

±6 dB, 1 dB step Gain levels:

#### **FM** tuner section

**Tuning range** 87.5 - 108.0 MHz

Antenna terminals 75 ohms, unbalanced

#### Intermediate Frequency

10.7 MHz

#### Sensitivity

18.3 dBf,  $2.2~\mu V/75$  ohms 38.3 dBf,  $22.5~\mu V/75$  ohms Mono: Stereo:

#### Usable sensitivity $11.2 \text{ dBf}, 1 \mu V/75 \text{ ohms}$

Mono: 76 dB Stereo: 70 dB Harmonic distortion at 1 kHz

#### Mono: Stereo: 0.5%

Separation 45 dB at 1 kHz

30 Hz - 15 kHz,Frequency response +0.5/-2 dB

Selectivity 60 dB at 400 kHz

#### **AM tuner section**

#### **Tuning range**

Models of area code U, CA
With 10-kHz tuning scale: 530 – 1710 kHz<sup>6</sup>
With 9-kHz tuning scale: 531 – 1710 kHz<sup>6</sup>
Models of area code E, AR, MX With 10-kHz tuning scale: 530 – 1610 kHz<sup>6</sup> With 9-kHz tuning scale: 531 – 1602 kHz<sup>6</sup> Models of area code MY, SP, CEL, CEK With 9-kHz tuning scale: 531 – 1602 kHz

Antenna Loop antenna

#### Intermediate Frequency

450 kHz

50 dB/m (at 1,000 kHz or Usable sensitivity

999 kHz)

S/N 54 dB (at 50 mV/m)

Harmonic distortion 0.5 % (50 mV/m, 400 Hz)

Selectivity

At 9 kHz: 35 dB At 10 kHz: 40 dB

6) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. Hold down PRESET TUNING + and . All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

#### **Video section**

#### Inputs

Video: 1 Vp-p, 75 ohms

#### **Outputs**

Video: 1 Vp-p, 75 ohms

#### **General**

#### Power requirements

Area code	Power requirements
U, CA, MX	120 V AC, 60 Hz
CEL, CEK	230 V AC, 50/60 Hz
MY, SP, AR	220 – 230 V AC, 50/60 Hz
E	120/220/240 V AC 50/60 Hz

#### Power consumption

Area code	Power consumption
U, MX	STR-K840P: 210 W
	STR-K740P: 180 W
CA	STR-K840P: 300 VA
	STR-K740P: 260 VA
CEL, CEK, MY, SP,	STR-K840P: 180 W
E, AR	STR-K740P: 155 W

#### Power consumption (during standby mode)

0.5 W

430 145 298 mm (16 7/8 5 6/8 11 6/8 **Dimensions** 

inches) including projecting parts and controls

Mass (Approx.) 7.0 kg (15 lb 7 oz)

Design and specifications are subject to change without notice.

#### Abbreviation U

: US model. CA : Canadian model. : AEP model. CEL CEK: UK model.

: Singapore model. (Malaysia model included.) SP

MX : Mexican model. MY : Malaysia model. AR : Argentine model.

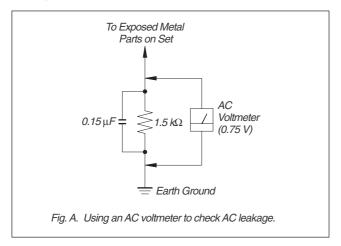
#### SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

#### **LEAKAGE**

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

- 1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)



#### Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

#### **Unleaded solder**

Boards requiring use of unleaded solder are printed with the leadfree mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

### : LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
- Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
- Soldering irons using a temperature regulator should be set to about 350°C.
- Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- · Strong viscosity
  - Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- · Usable with ordinary solder
  - It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

#### **SAFETY-RELATED COMPONENT WARNING!!**

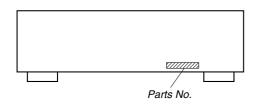
COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK A ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

#### ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE 🛆 SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

### STR-K740P/K840P

## MODEL IDENTIFICATION — BACK PANEL —



MODEL	PARTS No.
K740P: US	4-238-189-2□
K740P : Canadian	4-238-189-3□
K740P: Malaysia, Singapore	4-238-189-4□
K740P : E	4-238-189-5□
K740P : AEP	4-238-189-6□
K740P : UK	4-238-189-7□
K840P: US	4-238-193-0□
K840P : Canadian	4-238-193-1□
K840P: Malaysia, Singapore	4-238-193-2□
K840P : E	4-238-193-3□
K840P: AEP	4-238-193-4□
K840P : UK	4-238-193-5□
K840P : Argentine	4-238-193-8□
K840P: Mexican	4-238-193-9□

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## SECTION 1 GENERAL

This section is extracted from instruction manual.

#### **ALPHABETICAL ORDER**

#### 0 - 9

2 CH 26 (26)

#### **A** – **D**

A.DEC 28 (24, 26)

AM (Except for models of area code CEL, CEK) 32 (31, 32)

BASS +/- 25 (19, 30, 57)

CD 19 (22)

CINEMA STUDIO EX A, B, C
9 (25)

Digital Cinema Sound (indicator)
12 (24)

DIMMER 37 (23)

DISPLAY 2 (23, 34, 52)

Display 11 (23)

DVD/LD 21 (22)

#### E-L

ENTER 29 (36)
FM (Except for models of area code CEL, CEK) 33 (31, 32)
FM/AM (Models of area code CEL, CEK only) 32 (31, 32)

FM MODE (Models of area code CEL, CEK only) 33, (Except for models of area code CEL, CEK) 34 (32)
INPUT MODE 15 (22)

INPUT MODE 15 (22)
IR (receptor) 4 (39, 46, 52)
LEVEL 10 (16, 20, 28, 57)

#### М

MASTER VOLUME 23 (20, 50)
MD/TAPE 17 (22)
MEMORY 36 (31, 33)
MENU +/- 30 (16, 28, 36, 37, 57)
MENU </> 31 (16, 28, 36, 37, 57)
MODE 27 (25, 30, 51)
MULTI CHANNEL DECODING
(indicator) (HT-DDW840 only)
7 (22)
MULTI CH IN (HT-DDW840

#### N - S

only) 14 (22) MUTING 24 (22, 50)

NAME 8 (36) PHONES (jack) 8 (22, 51) PRESET/PTY SELECT +/-(Models of area code CEL, CEK only) 3 (33, 34) PRESET TUNING +/- (Except for models of area code CEL, CEK) 3 (33, 54)
PTY (models of area code CEL, CEK only) 4 (34)
SET UP 6 (4, 16, 37, 57)
SHIFT 35 (33)
SLEEP (HT-DDW740 only) 4 (37)
SURR 13 (28, 57)

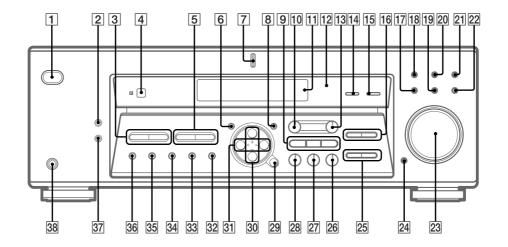
#### **T - Z**

TREBLE +/- 16 (30, 57) TUNER 22 (22, 32, 33, 36) TUNING +/- 5 (32) VIDEO 1 18 (22) VIDEO 2 20 (22)

#### **BUTTON DESCRIPTIONS**

I/() (power) 1 (4, 15, 20, 21, 30, 31, 54)

Abbreviation
 CEK : UK model.
 CEL : AEP model.



## SECTION 2 TEST MODE

#### **FACTORY PRESET MODE**

- \* All preset contents are reset to the default setting.
- \* Procedure:

While depressing the VIDEO 1 and the 2CH buttons simultaneously, press the power 1/0 button to turn on the main power. The message "FACTORY" appears and switch off the set.

While depressing the VIDEO 1 and the 2CH buttons simultaneously, press the power 1/b button again. The message "FACTORY" appears and the present contents are reset to the default values.

### AM CHANNEL STEP 9 KHZ/10 KHZ SELECTION MODE

- \* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
- \* Procedure:

Set the FUNCTION to AM. Turn off the main power.

While depressing the TUNING+ button or the

PRESET+ button, press the power 1/0 button to turn on the main power. Either the message "9 k STEP" or "10 k STEP" appears. Select the desired step.

\* For US/Canadian/E model only

#### **SPEAKER SIZE SELECTION MODE**

\*Either Normal Speaker or Micro Satellite Speaker can be selected. \*Procedure:

While depressing the LEVEL button, press the power 1/(b) button to turn the main power.

Either the message "NORM. SP." or "MICRO SP." is displayed. Select the desired speaker size.

#### **FLUORESCENT INDICATOR TUBE TEST MODE**

- \* All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.
- \* Procedure:

While depressing the MD/TAPE and the SHIFT buttons simultaneously, press the power 1/5 button to turn on the main power.

1. All segments turn on.

SW SLEEP SP.OFF	DODIGITALPRO LOGIC DTS MPEGSTEREO MONO RDS OPT COAX MULTI CH IN D.RANGE EQ TA NEWS INFO MUTING
(((LFE)))	dB
SL S SR	

MULTI CHANNEL DECODING, Digital Cinema Sound A.F.D., MODE, 2CH and SET UP LED turn on.

2. Press the VIDEO button, confirm display.

SW	SLEEP	D <b>G</b> COAX	PRO LOGIC	MPEGS <sup>T</sup> D.RANGE	TEREO TA	RDS INFO	MUTING
L	R						
	LFE	Ţ.;	<u> </u>	<u> </u>		k :	; i
	S	A		/\[	/\{\	m · MHz	

A.F.D., MODE, LEVEL, SET UP, and Digital Cinema Sound LED turn on.

3. Press the VIDEO button, confirm display

SP.OFF OF	DIGITAL PT MUL	DTS TI CH IN	EQ	MONO NEWS	MEMORY
((( ))) SL SR	Ů.	Ů.	Ů.		B Hz ft.

MULTI CHANNEL DECODING, 2CH, SURR and NAME LED turn on.

- 4. Press the VIDEO button, All segments turn off.
- 5. Every pressing of the VIDEO button turns on each segment and LED one after another in the same order. (Not only the VIDEO button, but also the other buttons such as DVD/LD, TV/SAT, MD/TAPE, CD, TUNER and AUX can be used.)

#### SOUND FIELD CLEAR MODE

- \* The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.
- \* Procedure:

While depressing the MODE button, press the power 1/6 button to turn on the main power.

The message "SURR. CLR." appears and initialization is performed.

#### **DEMONSTRATION MODE**

- \* Demonstration is performed.
- \* Procedure:

While depressing the SET UP button, press the power 1/0 button. The message appears and demonstration is performed.

\* To finish DEMONSTRATION MODE, press the power 1/0 button while the introduction message appears in the display.

#### SOFTWARE VERSION DISPLAY MODE

- \* The software version is displayed.
- \* Procedure:

While depressing the ENTER and the A.F.D buttons simultaneously, press the power [1/t] button to turn on the main power. The model name, destination and the software version are displayed.

#### **KEY CHECK MODE**

- \* Button check
- \* Procedure:

While depressing the VIDEO 1 and the SHIFT buttons simultaneously, press the power 1/0 button to turn on the main power.

"REST 39" appears. (AEP, UK, model: "RESET 38")

Every pressing of any button other than  $\lfloor 1/\sqrt{1} \rfloor$  and  $\lfloor SPEAKERS \rfloor$  counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed "REST 00" appears.

When MASTER VOLUME is rotated in clockwise direction, "VOL MIN", "VOL 1" to "VOL 48", "VOL MAX" appear.

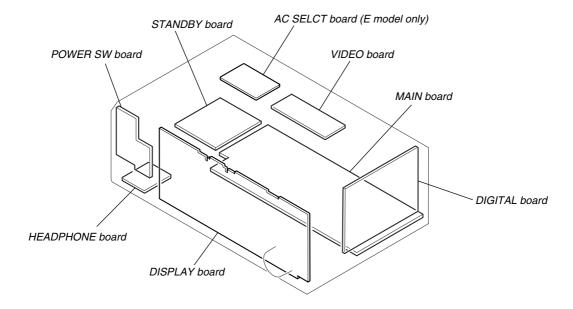
#### **AUTO BETICAL MODE**

- \* This mode is installed in the Europe models only. When this mode is used, the receiver scans the broadcasts that can be received by the tuner, and sets up the broadcasts. Be sure to start scanning after connecting the antenna.
- \* Procedure:
- Check that the antenna is connected.
   Press the // b button to turn on the power while pressing the MEMORY button.

  3. The message "AUTO-BETICAL SELECT" appears and the
- receiver starts scanning.

## **SECTION 3 DIAGRAMS**

#### 3-1. Circuit Board Location



# THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS. (In addition to this necessary note is printed in each block.)

#### For schematic diagrams.

#### Note:

- All capacitors are in µF unless otherwise noted. p : pF. 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $^{\text{1}}/\text{4}\,\text{W}$  or less unless otherwise specified.
- % : indicates tolerance.
- 🛕 : internal component.
- - : nonflammable resistor.
- + : fusible resistor.
- \_\_\_\_\_ : panel designation.

#### Note:

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

Ne les remplacer que par une pièce portant le numéro spécifié.

pour la sécurité.

Note:

Les composants identifiés par

une marque  $\triangle$  sont critiques

: B+ Line. : B- Line.

 Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.

No mark: FM

- Voltages are taken with a VOM (Input impedance 10  $M\Omega).$  Voltage variations may be noted due to normal production tolerances.
- · Waveforms are taken with a oscilloscope.
- · Circled numbers refer to waveforms.
- Signal path.

⇒ :FM

⇒ : CD (ANALOG) ⇒ : DVD (DIGITAL)

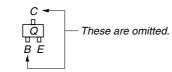
Abbreviation

CND : Canadian model
MY : Malaysia model
SP : Singapore model
AR : Argentine model
MX : Mexican model

#### For printed wiring boards.

#### Note:

- • : parts extracted from the component side.
- O : Through hole.
- 🛕 : internal component.
- Pattern from the side which enables seeing.





- These are omitted.

Caution:

Pattern face side: (Side A) Parts face side: (Side B)

Parts on the pattern face side seen from the pattern face are indicated. Parts on the parts face side seen from the parts face are indicated.

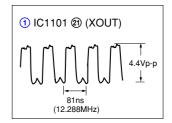
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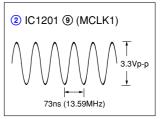
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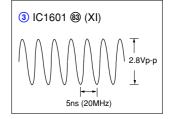
#### STR-K740P/K840P

#### Waveform

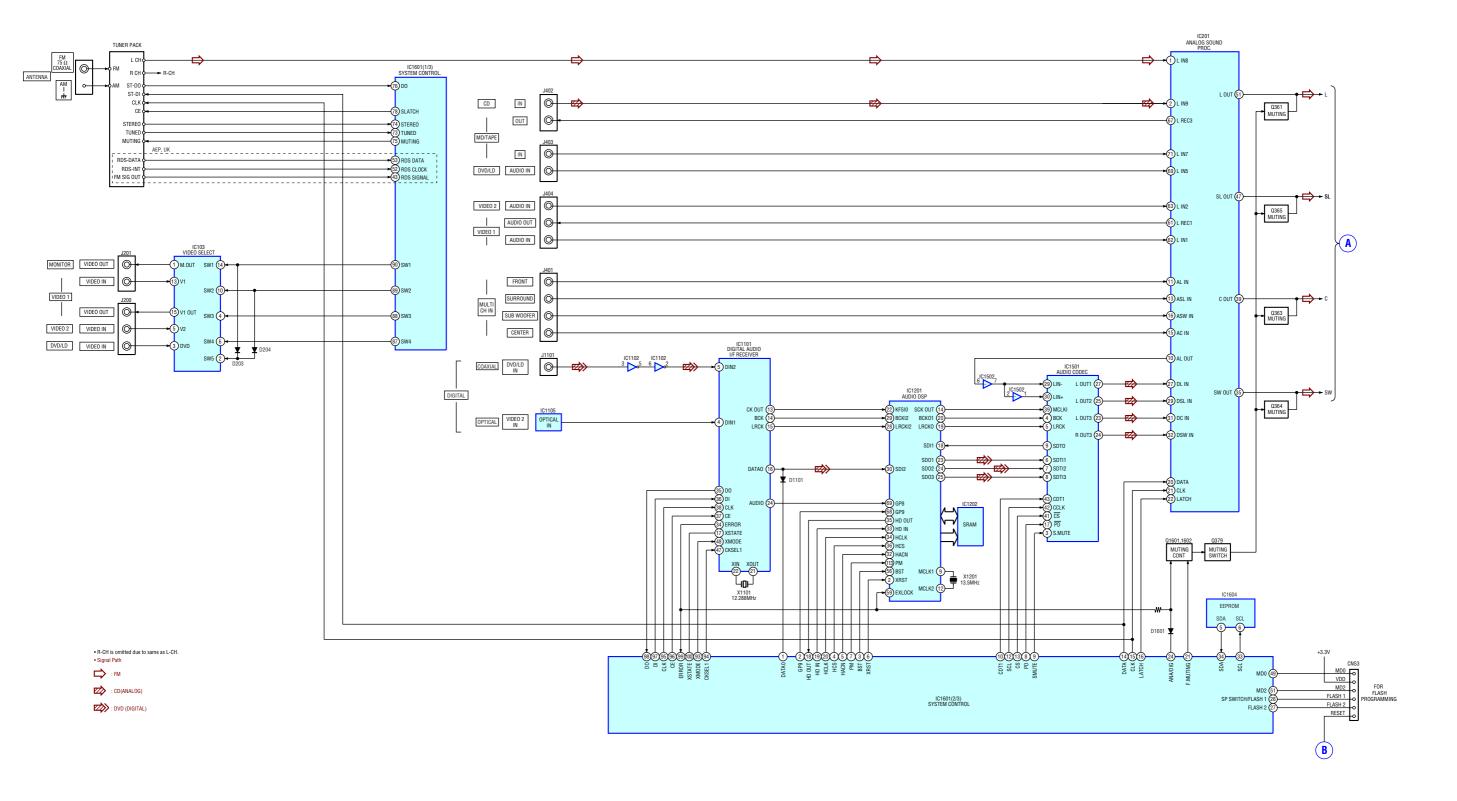
#### **DIGITAL Board**



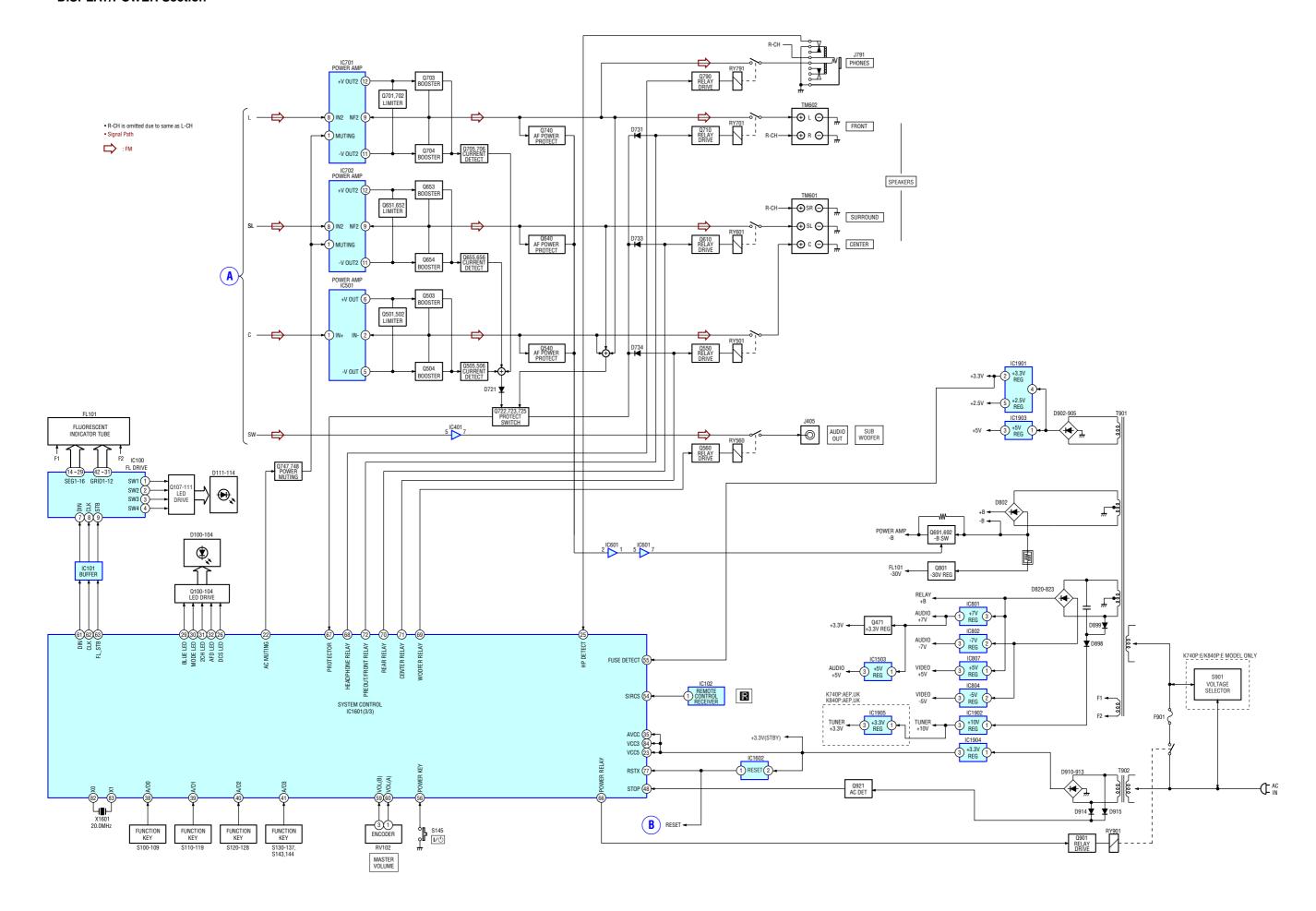


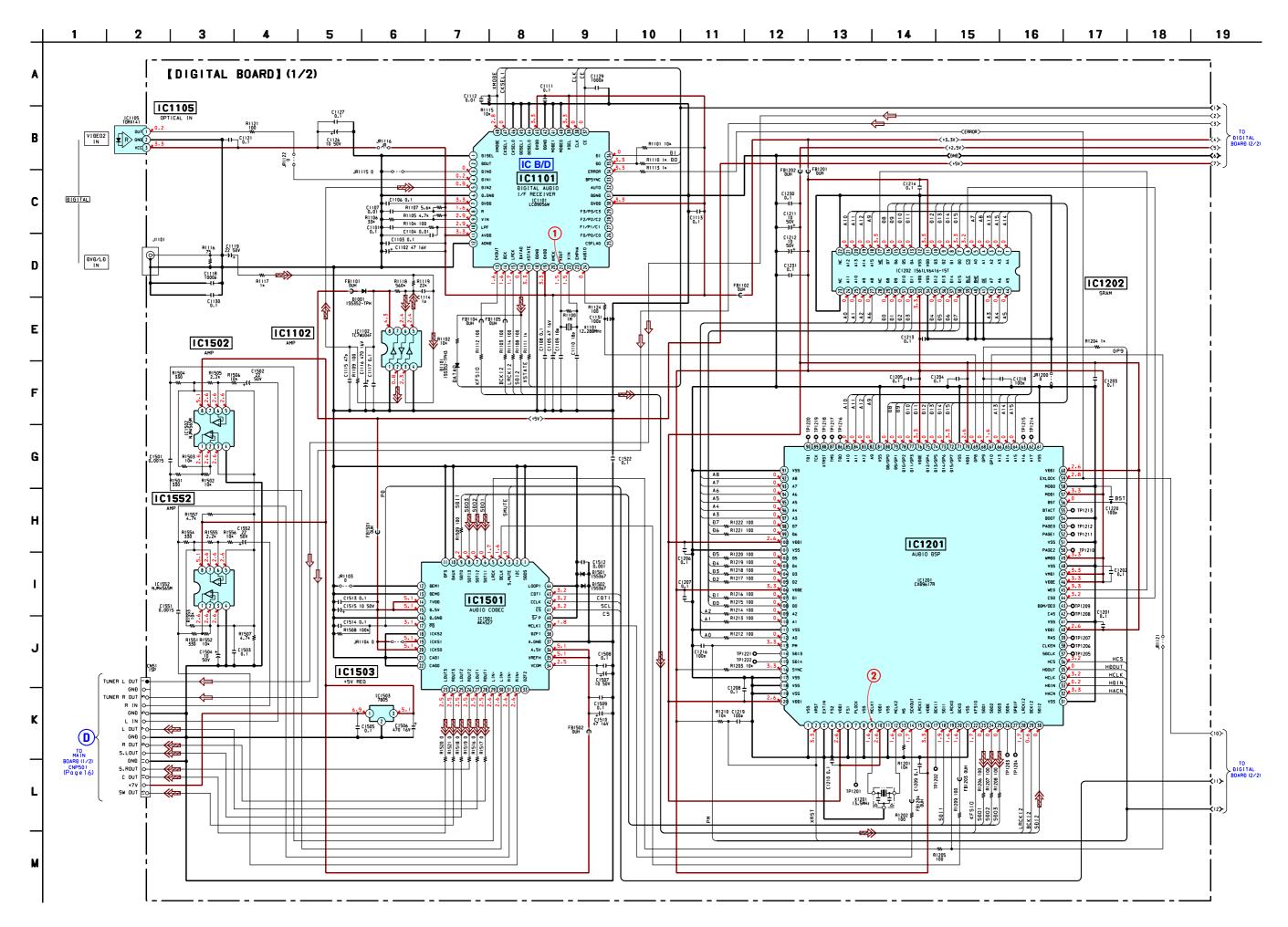


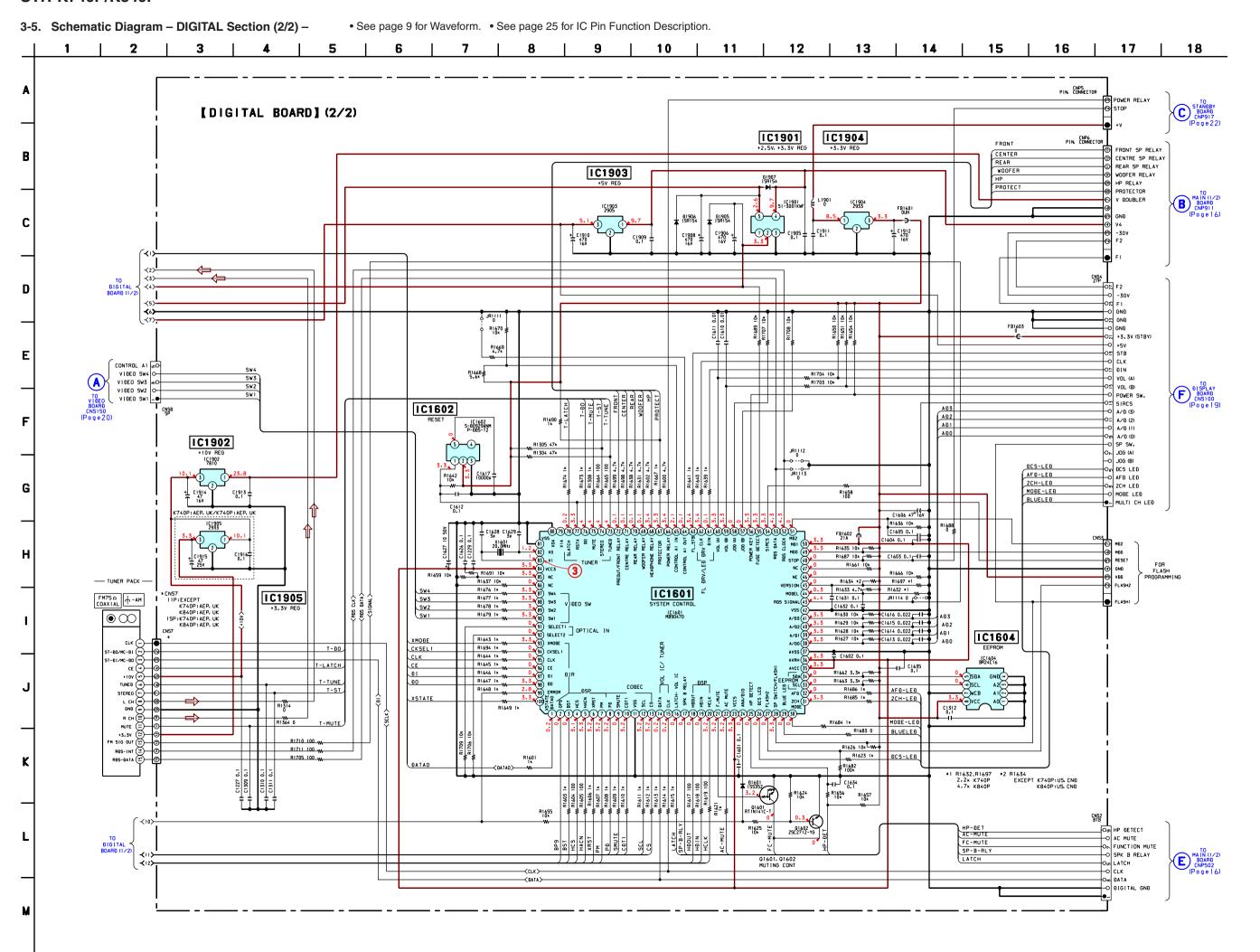
#### 3-2. Block Diagrams - MAIN Section -



#### - DISPLAY/POWER Section -







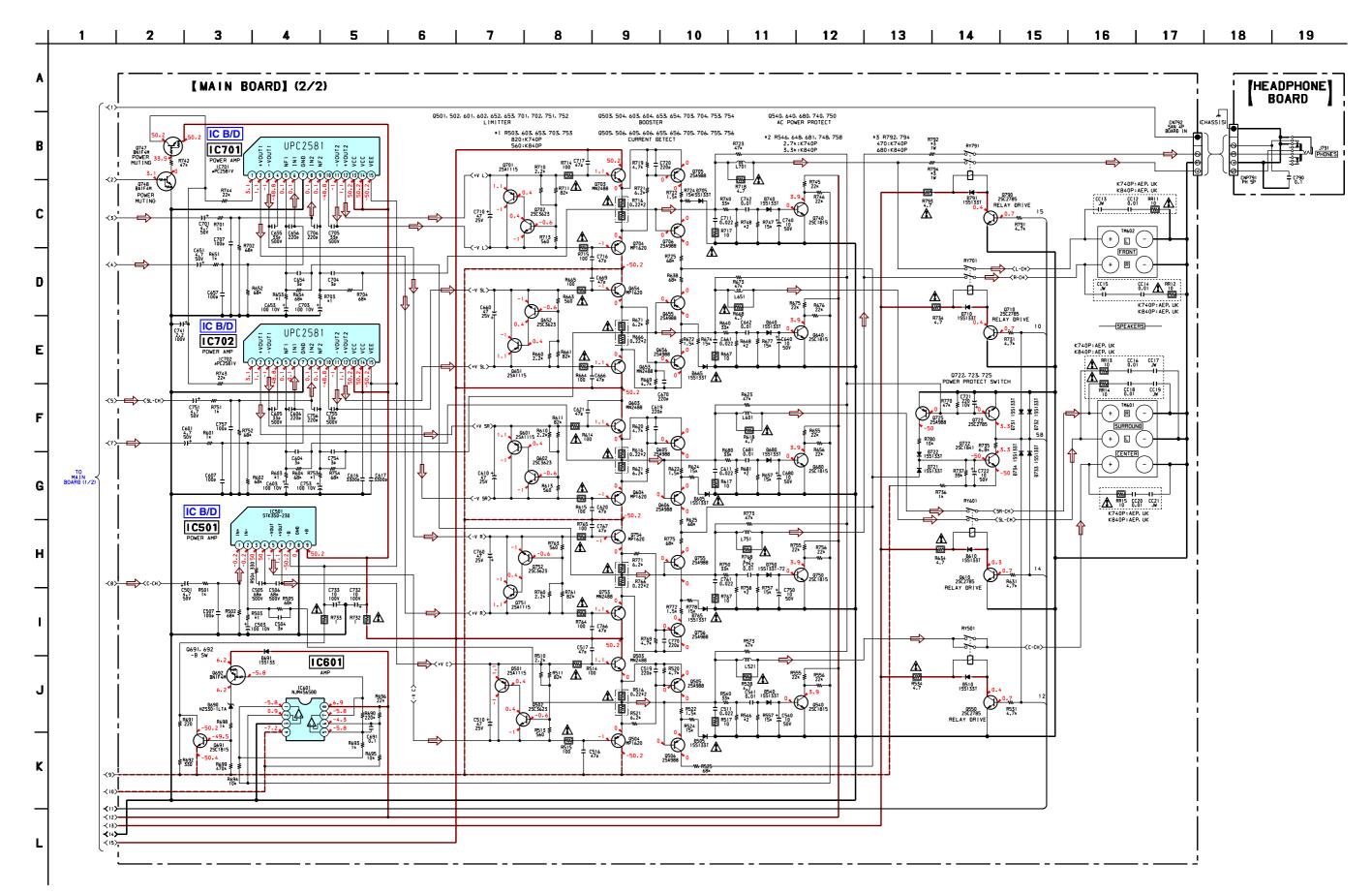
· See page 23 for IC Block Diagrams. 3-7. Schematic Diagram – MAIN Section (1/2) – 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 [MAIN BOARD] (1/2)  $\Rightarrow$ ⇒ 164594 164594 164594 T CC57 R457 C457 R447 IC201 VIĐEOI 0361 2503576 **\*** I C371 0.6 T 22000p 0.6 T 22000p 0.6 T 8362 0.362 0.362 0.362 0.362 0.362 AUÐIO IN R COUT (39) VIĐEO2 CVOLIN 0362 2503576 T COSE R405 C405 ₹ R425 AUDIO IN R 0363 2503576 ĐVĐ∕LĐ 0.6 R367 100× ≸ T CC55 R455 C455 R445 1 C373 T 22000p 11-2-419 10 50V BSWIN
11-2-418 10 50V BCIN
11-2-418 10 50V BSRIN
11-2-417 10 50V BSRIN
11-2-415 10 50V BSIN
11-2-415 10 50V BSIN
11-2-415 10 50V BSIN I c374 T CC04 R404 C404 R424 T 100P 1k 10 50V ₹47k 0364 0 25C3576 IN T CC54 R454 C454 R444 R376 Ε J₩400 0 2565 25C3576 MĐ/TAPE 1 BIGITAL GNB
2 BIGITAL GNB
3 BATA 061501FP)
4 CLOCK 061501FP)
5 LATCH 061501FP) I C375 K740P: AEP. UK K840P: AEP. UK 0.6 T 22000g CLK LATCH T CC09 R409 C409 E R370 R378 0366 25C3576 T CC59 R459 C459 1 C465 C464 T R380 ± T CC02 R402 10 50V ₹ R422 47k CĐ 1N T CC52 R452 C452 ₹ R442 10 50v ₹ R442 47k C489 100p C490 100p C497 100p C467 0.1 C466 10 50V C433 ± 50v ↑ K740P: AEP. UK C461 K840P: AEP. UK 2.2 0379 BN1F4M MUTING SWITCH CENTER T CC62 R462 C462 R464 T 100P 1 2.2 50v ₹47k SUB WOOFER CNP911 PIN PH 13 R475 2.2 MULTI CH IN T CC32 R432 C432 R436 T 1000 1k 2.2 50v ₹47k 12 © CENTRE SP RELAY

14 © REAR SP RELAY

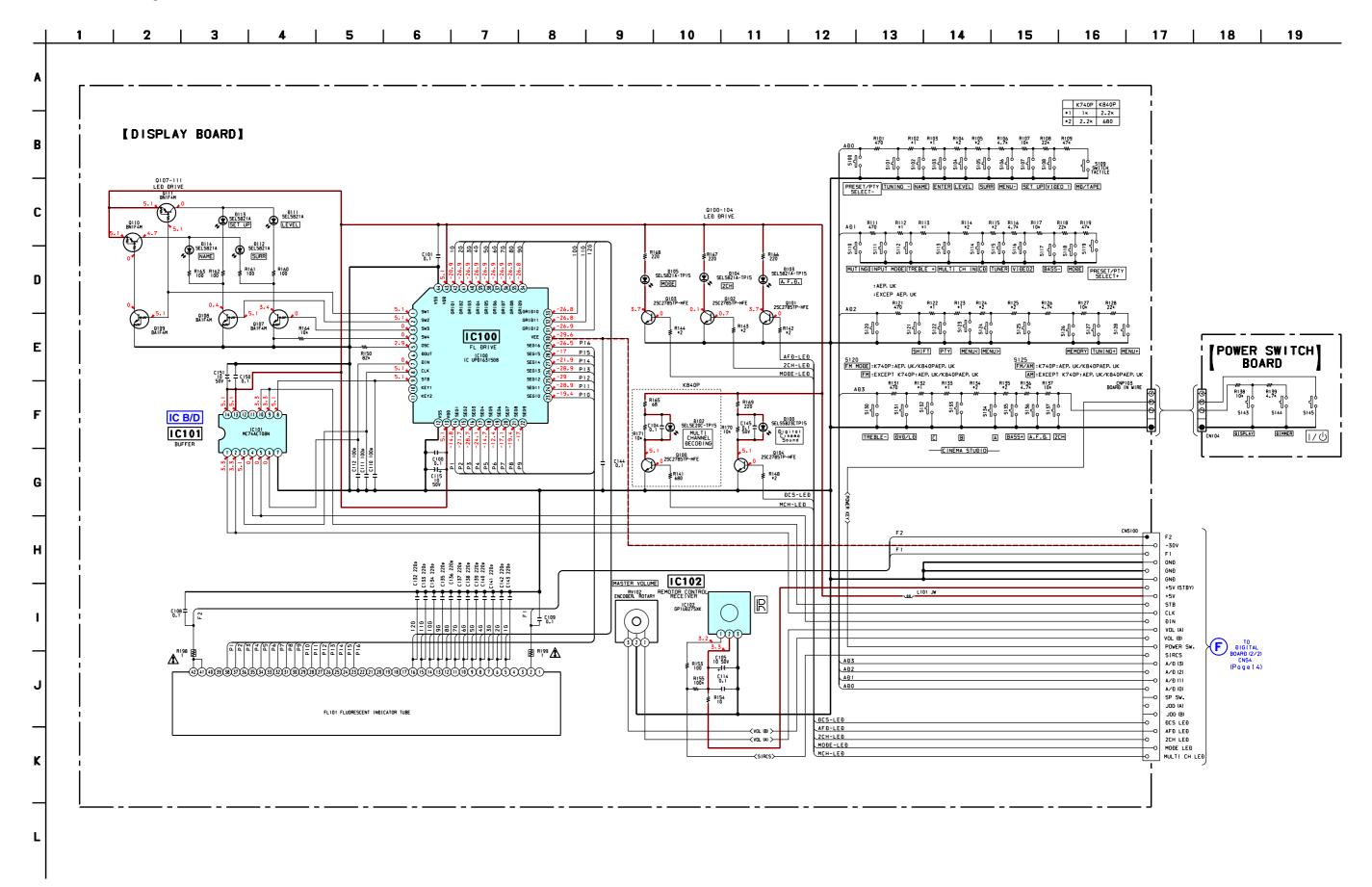
WOOFER RELAY

HP RLY

SB © PROTECTOR SURROUND T CC42 R412 C412 47k C800 2200p TO DIGITAL BOARD (2/2) CNP6 (Pogel4) FRONT SUB AUDIO OUT ₩ 8560 1551331 #56U 1551331 0560 25C2785 R802 RELAY DRIVE IC401 TO V10E0 B0AR0 CNP156 (Page 20) H TO POWER TRANSFORME (Page 22) IC801 C822 47 35V TUNER L OUT 4 T 0004 TO POWER TRANSFORME (P o g e 22) DL IN Ŷ 0 R910 0.33 ₹ R804 5.6k IC802 0905 11ES2 S.LOUT GND S.ROUT COUT 0902 ★ T C901 ÐSWIN. C903 J CNP915 8904 11E52 STANDBY BOARD (Page 22)



· See page 24 for IC Block Diagrams.

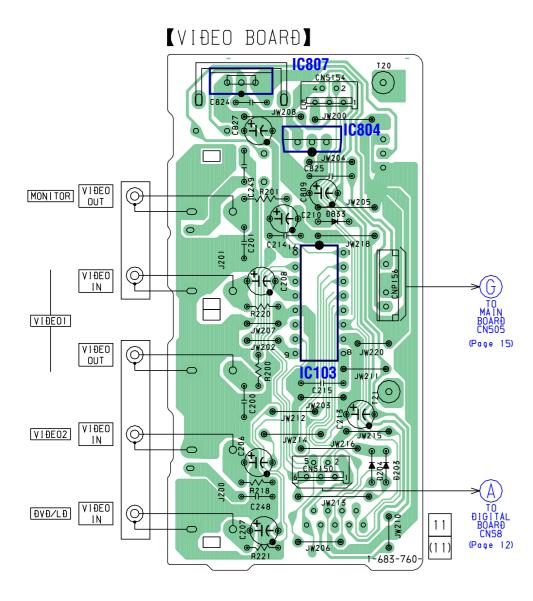


### STR-K740P/K840P

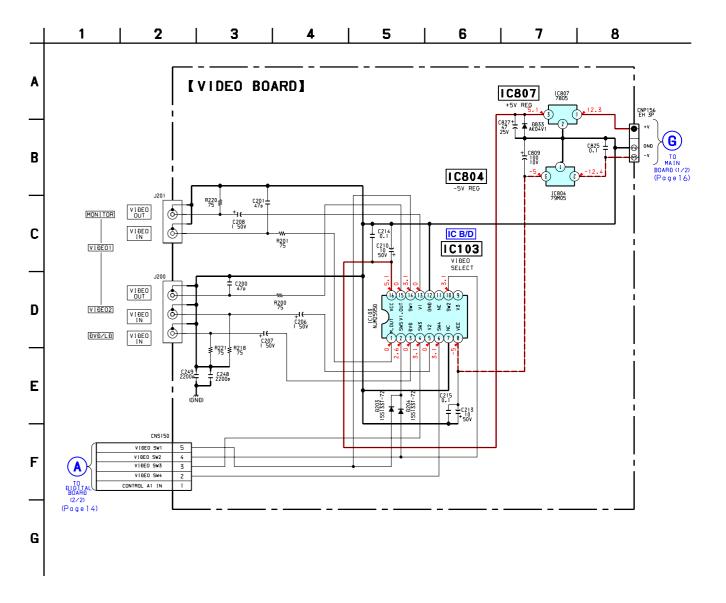
#### 3-11. Printed Wiring Board - VIDEO Section -

• **4** : Uses unleaded solder.

• See page 8 for Circuit Boards Location.

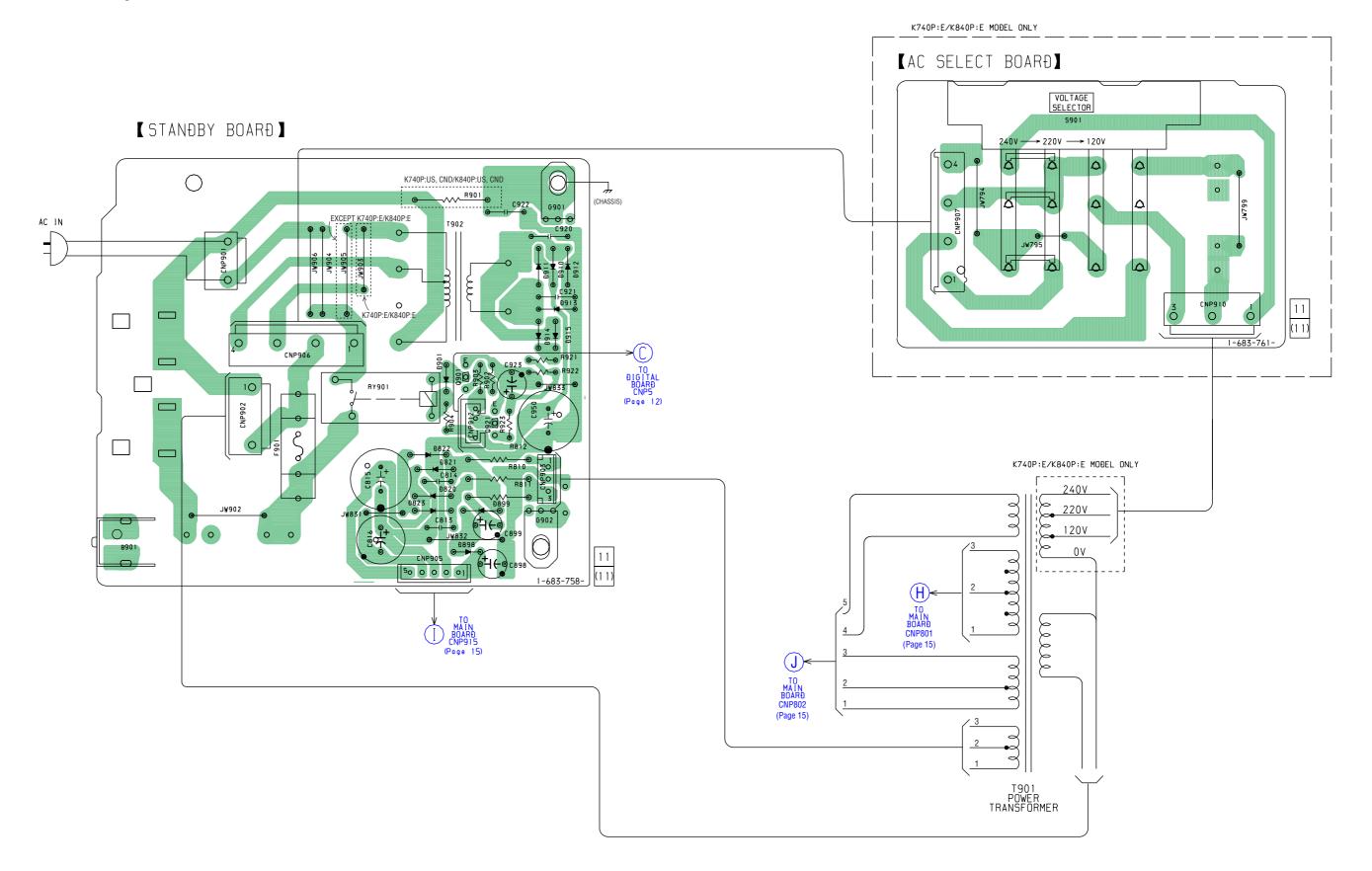


**3-12. Schematic Diagram – VIDEO Section –**• See page 24 for IC Block Diagrams.



: Uses unleaded solder.

• See page 8 for Circuit Boards Location.



3-14. Schematic Diagram - POWER Section -

