

Service
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14PV111/01/07/58

14PV112/07/39

14PV415/01/07/39/58

14PV203/01/07/39/58

14PV460/01/07/39/58

Service Manual

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Survey of versions:

/01	PAL-BG, EURO
/07	PAL I, Ireland
/39	PAL/SECAM-BG+PAL/SECAM-L/L',FRANCE
/58	PAL-BG/DK+SECAM-BG/DK,EAST-EURO

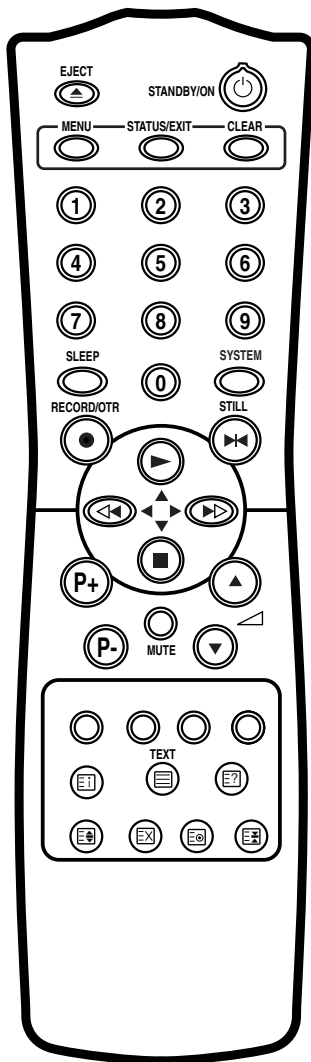
For technical data reference is made to the Service Manual of 14PV360/01/07/39 & 14PV365/01/07/39/58 3103 785 22040. The present Manual states only the differences.

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.



[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

The remote control



EJECT ▲ To eject the cassette.

CLEAR To delete last entry/Clear programmed recording (TIMER).

RECORD/OTR ● To record the TV channel selected at this moment or press repeatedly to start a One-Touch Recording.

STILL To stop the tape and show a still picture.

P+ **P-** To select the programme number. During normal or slow motion playback, press to adjust the tracking or vertical jitter.

MUTE To eliminate the sound. Press again to restore the volume.

▲ ▼ To adjust the volume.

SYSTEM Doesn't work in these models.

SLEEP To select the switch-off time in 30 minutes intervals.

STANDBY/ON ☺ To switch TVCR On or Off or to interrupt menu function.

MENU To call up main menu of TVCR.

STATUS/EXIT To access or remove the TVCR's on-screen status display. To exit on-screen menus.

0..9 Press to select channels.

▶▶▶▶ When tape playback is stopped, press to fast forward the tape at high speed. During playback, press to fast forward the tape while the picture stay on the screen. To store or confirm entry in the menu. Press to adjust the controls of TVCR menu.

◀◀◀◀ When tape playback is stopped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stay on the screen. To return the cursor in the menu. Press to adjust the controls of TVCR menu.

▶▶ To play a tape, select an item in the menu of TVCR.

▼■ To stop the tape, select an item in the menu of TVCR.

<14PV203, 14PV460>

TEXT To switch TELETEXT on or off, or transparent mode.

☞ : enlarge font

☒ : switch TELETEXT decoder off temporarily

☉ : Doesn't work in these models.

☐? : recall hidden information

☒ : stop page changes

☐ : go back to start page.

Yellow button/ Select TELETEXT function when you are in TELETEXT mode.

[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

General Note:

"CBA" is abbreviation for "Circuit Board Assembly."

NOTE:

Electrical adjustments are required after replacing circuit components and certain mechanical parts. It is important to perform these adjustments only after all repairs and replacements have been completed.

Also, do not attempt these adjustments unless the proper equipment is available.

Test Equipment Required

1. PAL Pattern Generator (Color Bar W/White Window, Red Color, Dot Pattern, Gray Scale, Monoscope, Multi-Burst)
2. AC Milli Voltmeter (RMS)
3. Alignment Tape (FL6A), Blank Tape
4. DC Voltmeter
5. Oscilloscope: Dual-trace with 10:1 probe,
V-Range: 0.001~50V/Div,
F-Range: DC~AC-60MHz
6. Frequency Counter
7. Plastic Tip Driver

How to Set up the Service mode:

NOTE:

After replacing the IC202 (Memory) or Main CBA, the set value in IC202 (Memory) will be lost. So it is necessary to set up or adjust in the Service mode after its replacement.

Service Mode:

1. Turn the power on. (Use main power on the TV unit.)
 2. Press [STANDBY/ON], [2], [7], [1], and [MUTE] buttons on the remote control unit in that order within 5 seconds.
- To cancel the service mode, press [STANDBY/ON] button on the remote control.

How to set up the option code

1. Enter the Service mode.
2. Press the [STATUS/EXIT] button on the remote control unit. The option code appears on the display.
3. If needed, input the option code as shown below using number buttons on the remote control unit.

Model	Option Code
14PV111(112)(415)/07	000128
14PV112(415)/39	000129
14PV111(415)/01	000130
14PV111(415)/58	000131
14PV203(460)(465)/01	000158
14PV203(460)(465)/07	000156
14PV203(460)(465)/39	000157
14PV203(460)(465)/58	000159

4. To reset the software, press [PAUSE] and [5] buttons on the remote control unit. The option code is changed.

1. DC 105V (+B) Adjustment

Purpose: To obtain correct operation.

Symptom of Misadjustment: The picture is dark and unit does not operate correctly.

Test point	Adj. Point	Mode	Input
TP503 (+B) TP504 (GND)	VR601	---	Color Bar
Tape	M. EQ.	Spec.	
---	DC Voltmeter Plastic Tip Driver	+105±0.5V DC	

Note: TP503(+B), TP504(GND), VR601 --- H.V./Power Supply CBA

1. Connect the unit to AC Power Outlet.
2. Input a color bar signal from RF input and leave it for at least 20 minutes.
Enter the Service mode. (See page 1-6-9.)
3. Connect DC Volt Meter to TP503(+B) and TP504(GND).
4. Adjust VR601 so that the voltage of TP503(+B) becomes +105±0.5V DC.

2. H Adjustment

Purpose: To get correct horizontal position and size of screen image.

Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test point	Adj. Point	Mode	Input
R583	P+/P- buttons	Video	---
Tape	M. EQ.	Spec.	
---	Frequency Counter	15.625kHz±300Hz	

Note: R583 --- H.V./Power Supply CBA

1. Connect Frequency Counter to R583.
2. Set the unit to the VIDEO mode and no input is necessary. Enter the Service mode.
(See page 1-6-9.)
3. Operate the unit for at least 20 minutes.
4. Press [2] button on the remote control unit and select H-Adj Mode.
5. Press [P+/P-] buttons on the remote control unit so that the display will change [0] to [7.]
At this moment, choose display [0] to [7] when the Frequency counter display is closest to 15.625kHz±300Hz.
6. Turn the power off and on again.

3. C-Trap Adjustment

Purpose: To get minimum leakage of the color signal carrier.

Symptom of Misadjustment: If C-Trap Adjustment is incorrect, stripes will appear on the screen.

Test point	Adj. Point	Mode	Input
J219 (B-OUT)	P+/P- buttons	---	Color Bar
Tape	M. EQ.	Spec.	
---	Oscilloscope Pattern Generator	200mVp-p Max.	

Figure

Fig. 1

Note: J219 (B-Out)--- Main CBA

1. Connect Oscilloscope to J219.
2. Input a color bar signal from RF input. Enter the Service mode. (See page 1-6-9.)
3. Press [0] button on the remote control unit and select C-TRAP Mode.
4. Press [P+/P-] buttons on the remote control unit so that the carrier leakage B-Out (4.43MHz) value becomes minimum on the oscilloscope.
5. Turn the power off and on again.

4. How to measure the standard V-ENV value of Digital Studio Picture Control

Purpose: To set the recording condition appropriate for the recording tape.

Symptom of Misadjustment: Recording or playing back picture quality may fall. The picture will be tinted.

1. Insert a new tape (type: TDK 180) for the DSPC alignment into the TV/VCR.
2. Input the black raster signal from the video input jack (VIDEO-IN).
3. Enter the Service Mode. (See page 1-6-9.)
4. To enter the DSPC mode, press [1] button on the remote control unit. Recording starts automatically and "DSPC" appears on the display.

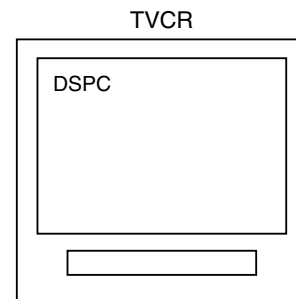


Fig. 2

5. Recording continues for 10 seconds in SP mode. After that, recording starts for 10 seconds in LP mode.
6. The tape is rewinded to the recording start point.
7. The unit enters the play mode automatically and the V-ENV levels of each SP and LP modes are memorized into the EEPROM.
8. "OK" appears on the screen with blueback for 5 seconds, the unit enters the stop mode, and is gone out from the factory mode.
9. If SYNC. and CTL are none, "NG" appears on the screen with blueback for 5 seconds, the unit ejects the cassette and is gone out from the factory model

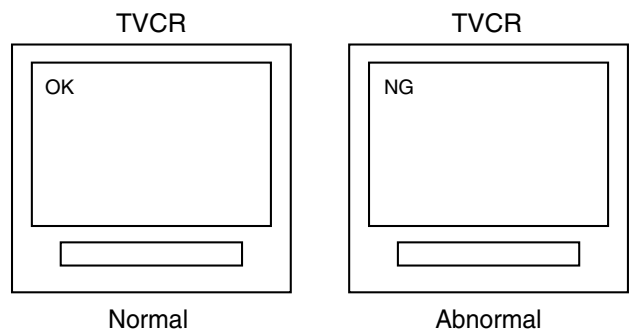


Fig. 3

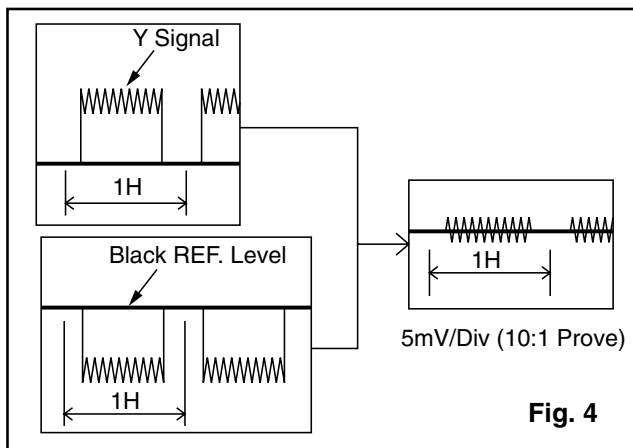
5. SECAM Black Level Adjustment

Purpose: To set Black Level of the SECAM signal R-Y/B-Y to Ref. level.

Symptom of Misadjustment: If Black Level of the SECAM signal R-Y/B-Y is incorrect, the picture is bluish or reddish in grayscale compared with PAL signal.

Test point	Adj. Point	Mode	Input
Pin 1 of CN303	P+/P- buttons	---	SECAM Gray Scale
Tape	M. EQ.	Spec.	
---	Pattern Generator	---	

1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
2. Input the SECAM Gray Scale signal from video input.
3. Enter the Service Mode. (See page 1-6-9.)
4. To enter the C/D/S mode, press [\triangle \blacktriangledown] on the remote control unit.
5. To select SBR (SECAM Black Level R-Y), press [6] button on the remote control unit.
6. Press [P+/P-] buttons to adjust Y signal to the black ref. level.
7. To select SBB (SECAM Black Level B-Y), press [7] button on the remote control unit.
8. Press [P+/P-] buttons to adjust Y signal to the black ref. level.



6. V. Size Adjustment

Purpose: To obtain correct vertical height of screen image.

Symptom of Misadjustment: If V. Size is incorrect, vertical height of image on the screen may not be properly displayed.

Test point	Adj. Point	Mode	Input
Screen	P+/P- buttons	---	Monoscope
Tape	M. EQ.	Spec.	
---	Pattern Generator	90±5%	

1. Enter the Service mode. (See page 1-6-9.) Press [9] button on the remote control unit and select V-S Mode. (Press [9] button then display will change to V-P and V-S).
2. Input monoscope pattern.
3. Press [P+/P-] buttons on the remote control unit so that the monoscope pattern is 90±5% of display size and the circle is round.

7. V. Shift Adjustment

Purpose: To obtain correct vertical position of screen image.

Symptom of Misadjustment: If V. position is incorrect, vertical position of image on the screen may not be properly displayed.

Test point	Adj. Point	Mode	Input
Screen	P+/P- buttons	---	Monoscope
Tape	M. EQ.	Spec.	
---	Pattern Generator	90±5%	

1. Enter the Service mode. (See page 1-6-9.) Press [9] button on the remote control unit and select V-P Mode. (Press [9] button then display will change to V-P and V-S).
2. Input monoscope pattern.
3. Press [P+/P-] buttons on the remote control unit so that the top and bottom of the monoscope pattern are equal to each other.

8. H. Shift Adjustment

Purpose: To obtain correct horizontal position and size of screen image.

Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test point	Adj. Point	Mode	Input
Screen	P+/P- buttons	---	Monoscope
Tape	M. EQ.		Spec.
---	Pattern Generator		90±5%

1. Enter the Service mode. (See page 1-6-9.) Press [8] button on the remote control unit and select H-P Mode.
2. Input monoscope pattern.
3. Press [P+/P-] buttons on the remote control unit so that the left and right side of the monoscope pattern are equal to each other.
4. Turn the power off and on again.

9. Cut-off Adjustment

Purpose: To adjust the beam current of R, G, B, and screen voltage.

Symptom of Misadjustment: White color may be reddish, greenish or bluish.

Test point	Adj. Point	Mode	Input
Screen	Screen-Control P+/P- buttons	Ext.	Black Raster
Tape	M. EQ.		Spec.
---	Pattern Generator	See Reference Notes below	

Figure

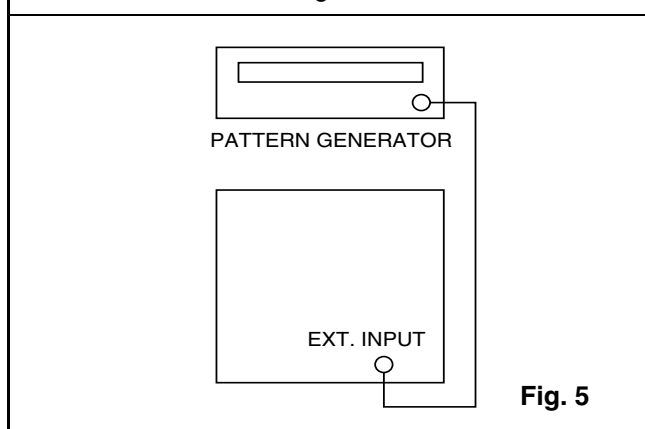


Fig. 5

Notes:

Screen Control (FBT) --- H.V./Power Supply CBA
 FBT= Fly Back Transformer
 Use the Remote Control Unit

1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
2. Set the screen control to minimum position. Input the Black raster signal from RF input.
3. Enter the Service Mode. (See page 1-6-9.) Dimmed horizontal line appears on the CRT.
4. To enter the C/D/S mode, press the [\triangle ▼] button on the remote control unit.
5. To enter the CUT OFF (R) mode, press [1] button on the remote control unit.
6. Turn the screen control up until dimmed horizontal line appears.
7. Press the [P+/P-] buttons until the horizontal line becomes white.
8. To enter the C/D/S mode, press the [\triangle ▼] button on the remote control unit.
9. To enter the CUT OFF (G) mode, press [2] button on the remote control unit.
10. Press the [P+/P-] buttons until the horizontal line becomes white.
11. To enter the C/D/S mode, press the [\triangle ▼] button on the remote control unit.
12. To enter the CUT OFF (B) mode, press [3] button on the remote control unit.
13. Press the [P+/P-] buttons until the horizontal line becomes white.
14. Turn the screen control so that the horizontal line adjusted white looks lightly.
15. Turn the power off and on again.

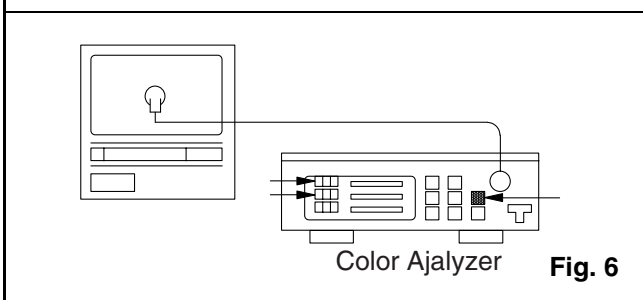
10. White Balance Adjustment

Purpose: To mix red, green and blue beams correctly for pure white.

Symptom of Misadjustment: White becomes bluish or reddish.

Test point	Adj. Point	Mode	Input
Screen	Screen-Control P+/P- buttons	RF	White Raster (APL 100%)
Tape	M. EQ.	Spec.	
---	Pattern Generator Color analyzer	See below	

Figure



Note: Use remote control unit

1. Operate the unit more than 20 minutes.
2. Face the unit to east. Degauss the CRT using Degaussing Coil.
3. Input the White Raster (APL 100%).
4. Set the color analyzer to the CHROMA mode and after zero point calibration, bring the optical receptor to the center on the tube surface (CRT).
5. Enter the Service mode. Press [▼] button on the remote control.
6. Press [4] button on the remote control unit for Red adjustment. Press [5] button on the remote control unit for Blue adjustment.
7. In each color mode, Press [P+/P-] buttons to adjust the values of color.
8. Adjusting Red and Blue color so that the temperature becomes 8500K (x : 290 / y : 300) ±3%.
9. At this time, Re-check that Horizontal line is white. If not, Re-adjust Cut-off Adjustment until the Horizontal Line becomes pure white.
10. Turn off and on again to return to normal mode. Receive APL 100% white signal and Check Chroma temperatures become 8500K (x : 290 / y : 300) ±3%.

Note: Confirm that Cut Off Adj. is correct after this adjustment, and attempt Cut Off Adj. if needed.

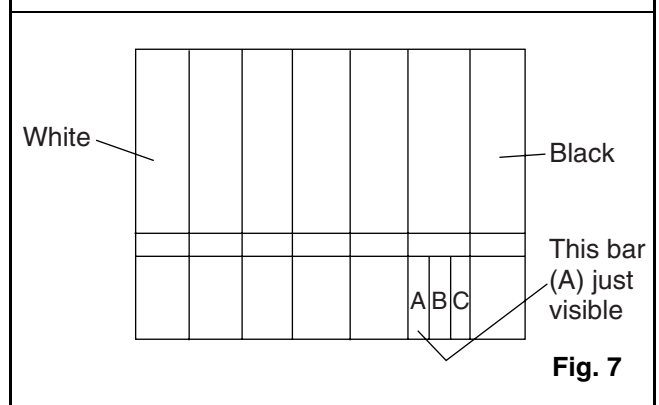
11. Sub-Brightness Adjustment

Purpose: To get proper brightness.

Symptom of Misadjustment: If Sub-Brightness is incorrect, proper brightness cannot be obtained by adjusting the Brightness Control.

Test point	Adj. Point	Mode	Input
Screen	P+/P- buttons	---	SYMPTE
Tape	M. EQ.	Spec.	
---	Pattern Generator	See below	

Figure



Note: Bar (A) in Fig. 7 --- 0 IRE

1. Enter the Service Mode. (See page 1-6-9.) Then input SYMPTE signal from RF input.
2. Press MENU button. (Each time MENU button is pressed, display will change BRT, CNT, COL, TNT, and SHP in that order.) Select BRT and press [P+/P-] buttons so that the bar (A) in Fig. 7 is just visible.
3. Turn the power off and on again.

12. Setting for CONTRAST, COLOR, TINT and SHARP Data Values

General

1. Enter the Service mode. (See page 1-6-9)
2. Press MENU button. (Each time MENU button is pressed, display will change BRT, CNT, COL, TNT, and SHP in that order.)

CONTRAST (CNT)

1. Press "MENU" button on the remote control unit. Then select CNT display.
2. Press [P+/P-] buttons on the remote control unit so that the value of "CONTRAST" (CNT) becomes 85.

COLOR (COL)

1. Press "MENU" button on the remote control unit. Then select "COLOR" (CLR) display.
2. Press [P+/P-] buttons on the remote control unit so that the value of "COLOR" (COL) becomes 55.

TINT (TNT)

1. Press "MENU" button on the remote control unit. Then select "TINT" (TNT) display.
2. Press [P+/P-] buttons on the remote control unit so that the value of "TINT" (TNT) becomes 57.

SHARP (SHP)

1. Press "MENU" button on the remote control unit. Then select "SHARP" (SHP) display.
2. Press [P+/P-] buttons on the remote control unit and select "1."

13. Focus Adjustment

Purpose: Set the optimum Focus.

Symptom of Misadjustment: If Focus Adjustment is incorrect, blurred images are shown on the display.

Test point	Adj. Point	Mode	Input
Screen	Focus Control	---	Monoscope
Tape	M. EQ.	Spec.	
---	Pattern Generator	See below.	

Note: Focus VR (FBT) --- H.V./Power Supply CBA

FBT= Fly Back Transformer

1. Operate the unit more than 30 minutes.
2. Face the unit to the East and degauss the CRT using a Degaussing Coil.
3. Input the monoscope pattern.
4. Adjust the Focus Control on the FBT to obtain clear picture.

14. Head Switching Position Adjustment

Purpose: Determine the Head Switching Point during Playback.

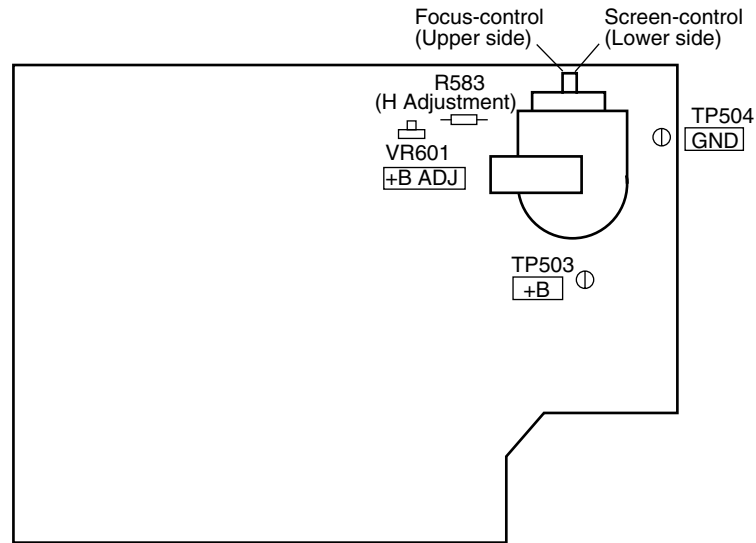
Symptom of Misadjustment: May cause Head Switching Noise or Vertical Jitter in the picture.

Note: Unit reads Head Switching Position automatically and displays it on the screen (Upper Left Corner).

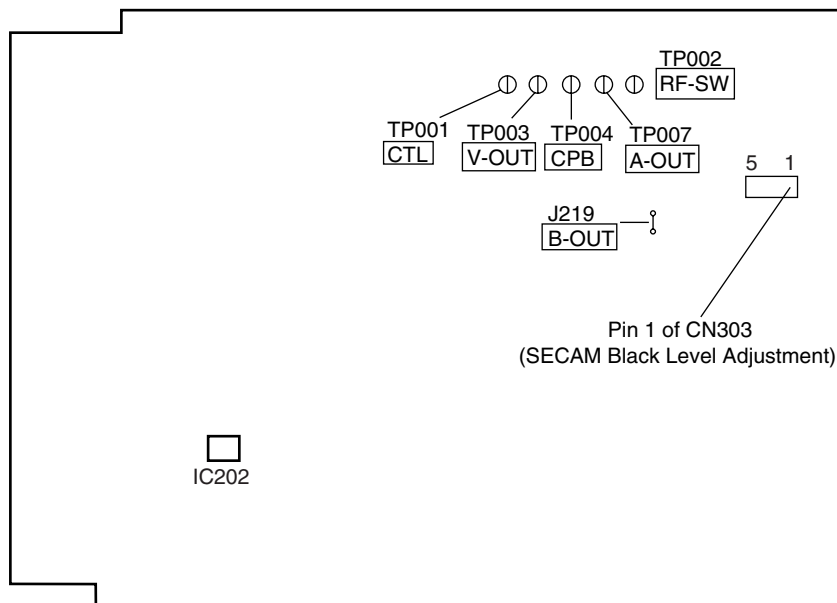
1. Enter the Service Mode. (See page 1-6-9.)
Then press the number [5] button on the remote control unit.
2. Playback the test tape (FL6A).
3. The Head Switching position will display on the screen; if adjustment is necessary follow step 4. 6.5H(412.7 μ s) is preferable.
4. Press [P+/P-] buttons on the remote control unit if necessary. The value will be changed in 0.5H steps up or down. Adjustable range is up to 9.5H. If the value is beyond adjustable range, the display will change as:
Lower out of range: 0.0H
Upper out of range: -.H
5. Turn the power off and on again.

Adjustment Points and Test Points

H.V./Power Supply CBA Top View



Main CBA Top View



TEST POINT INFORMATION

⓪: Indicates a test point with a jumper wire across a hole in the PCB.

TEST POINTS NOT USED IN ELECTRICAL ADJUSTMENTS

Test Point	Used in:	Page No.
TP001	Mechanical Alignment Procedures	2-3-3
TP002	Mechanical Alignment Procedures	2-3-3, 2-3-4
TP004	Mechanical Alignment Procedures	2-3-3, 2-3-4
TP503	Electrical Adjustment Instructions	1-6-1
TP504	Electrical Adjustment Instructions	1-6-1

BLOCK DIAGRAMS

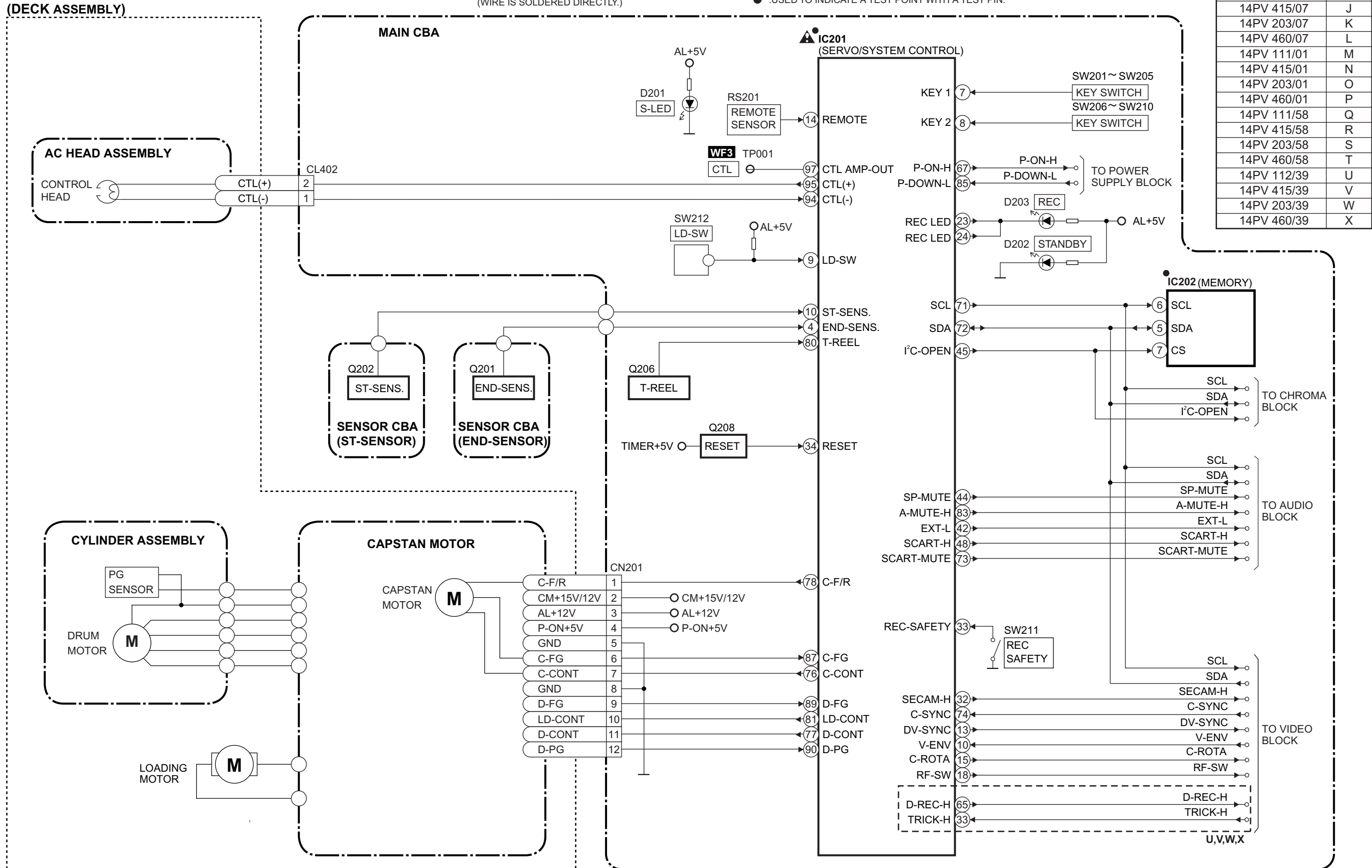
Servo/System Control Block Diagram

NOTE FOR WIRE CONNECTORS:
 1. PREFIX SYMBOL "CN" MEANS CONNECTOR.
 (CAN DISCONNECT AND RECONNECT.)
 2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB.
 (WIRE IS SOLDERED DIRECTLY.)

TEST POINT INFORMATION
 ○ : INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
 □ : USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
 ⊗ : USED TO INDICATE A TEST POINT WITH NO TEST PIN.
 ● : USED TO INDICATE A TEST POINT WITH A TEST PIN.

Comparison Chart of Models & Marks

Model	Mark
14PV 111/07	H
14PV 112/07	I
14PV 415/07	J
14PV 203/07	K
14PV 460/07	L
14PV 111/01	M
14PV 415/01	N
14PV 203/01	O
14PV 460/01	P
14PV 111/58	Q
14PV 415/58	R
14PV 203/58	S
14PV 460/58	T
14PV 112/39	U
14PV 415/39	V
14PV 203/39	W
14PV 460/39	X



Video Block Diagram

Comparison Chart of Models & Marks

Model	Mark
14PV 111/07	H
14PV 112/07	I
14PV 415/07	J
14PV 203/07	K
14PV 460/07	L
14PV 111/01	M
14PV 415/01	N
14PV 203/01	O
14PV 460/01	P
14PV 111/58	Q
14PV 415/58	R
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14PV 460/58	T
14PV 112/39	U
14PV 415/39	V
14PV 203/39	W
14PV 460/39	X

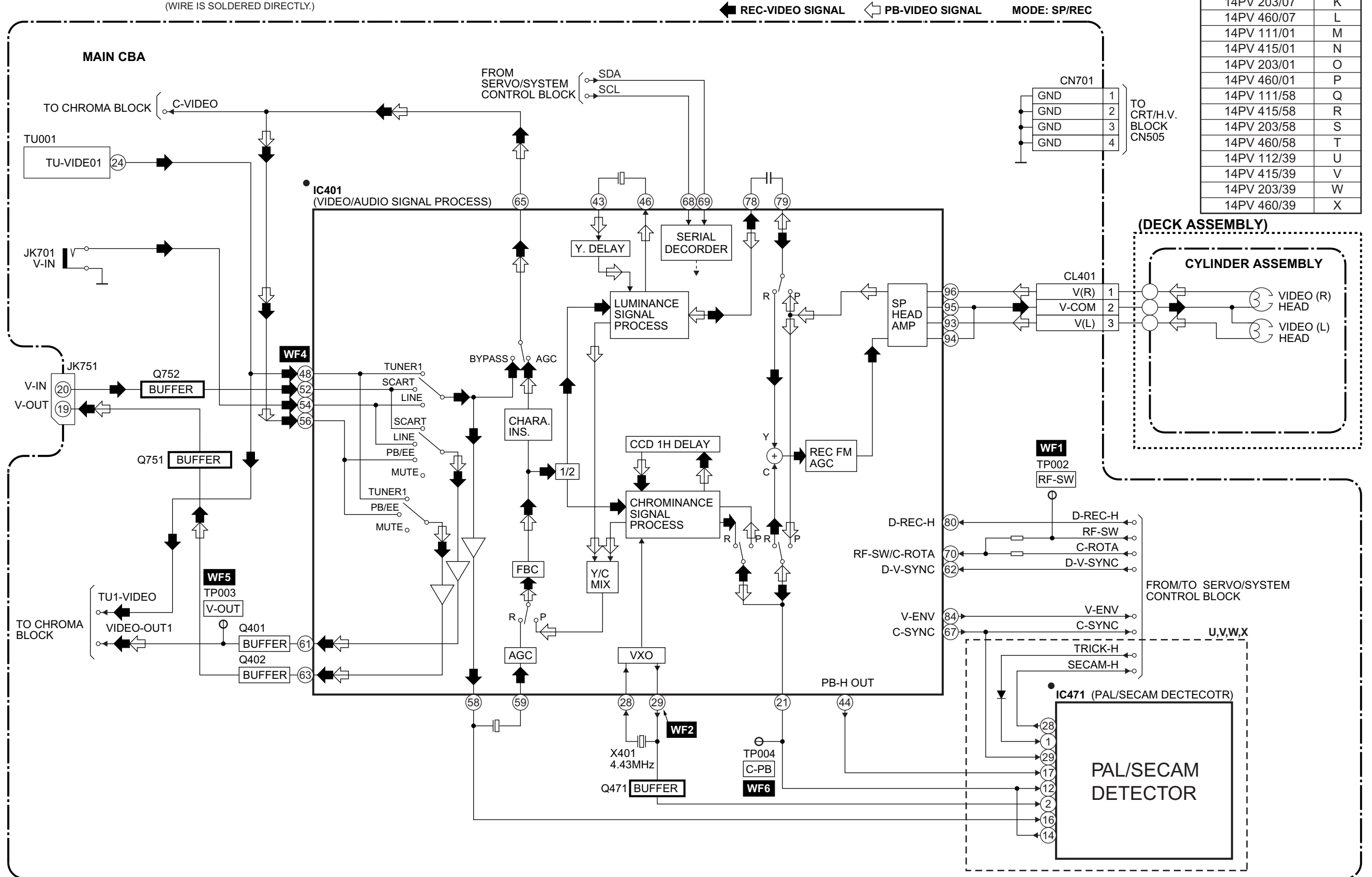
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"●" = SMD



Audio Block Diagram

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"•" = SMD

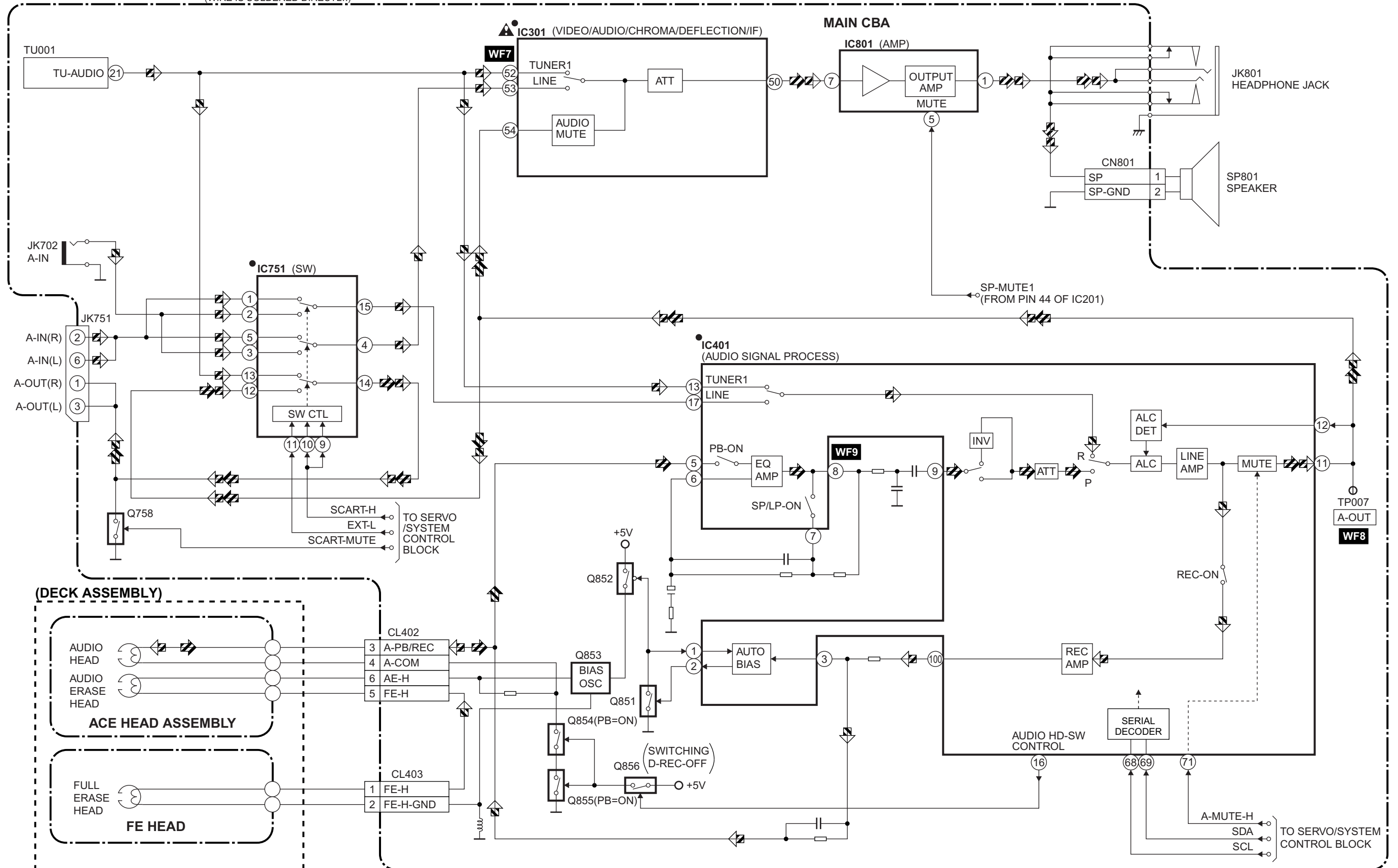
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- : USED TO INDICATE A TEST POINT WITH A TEST PIN.

PB-AUDIO SIGNAL

REC-AUDIO SIGNAL

Mode : SP/REC



Chroma Block Diagram

Comparison Chart of Models & Marks

Model	Mark
14PV 111/07	H
14PV 112/07	I
14PV 415/07	J
14PV 203/07	K
14PV 460/07	L
14PV 111/01	M
14PV 415/01	N
14PV 203/01	O
14PV 460/01	P
14PV 111/58	Q
14PV 415/58	R
14PV 203/58	S
14PV 460/58	T
14PV 112/39	U
14PV 415/39	V
14PV 203/39	W
14PV 460/39	X

NOTE FOR WIRE CONNECTORS:

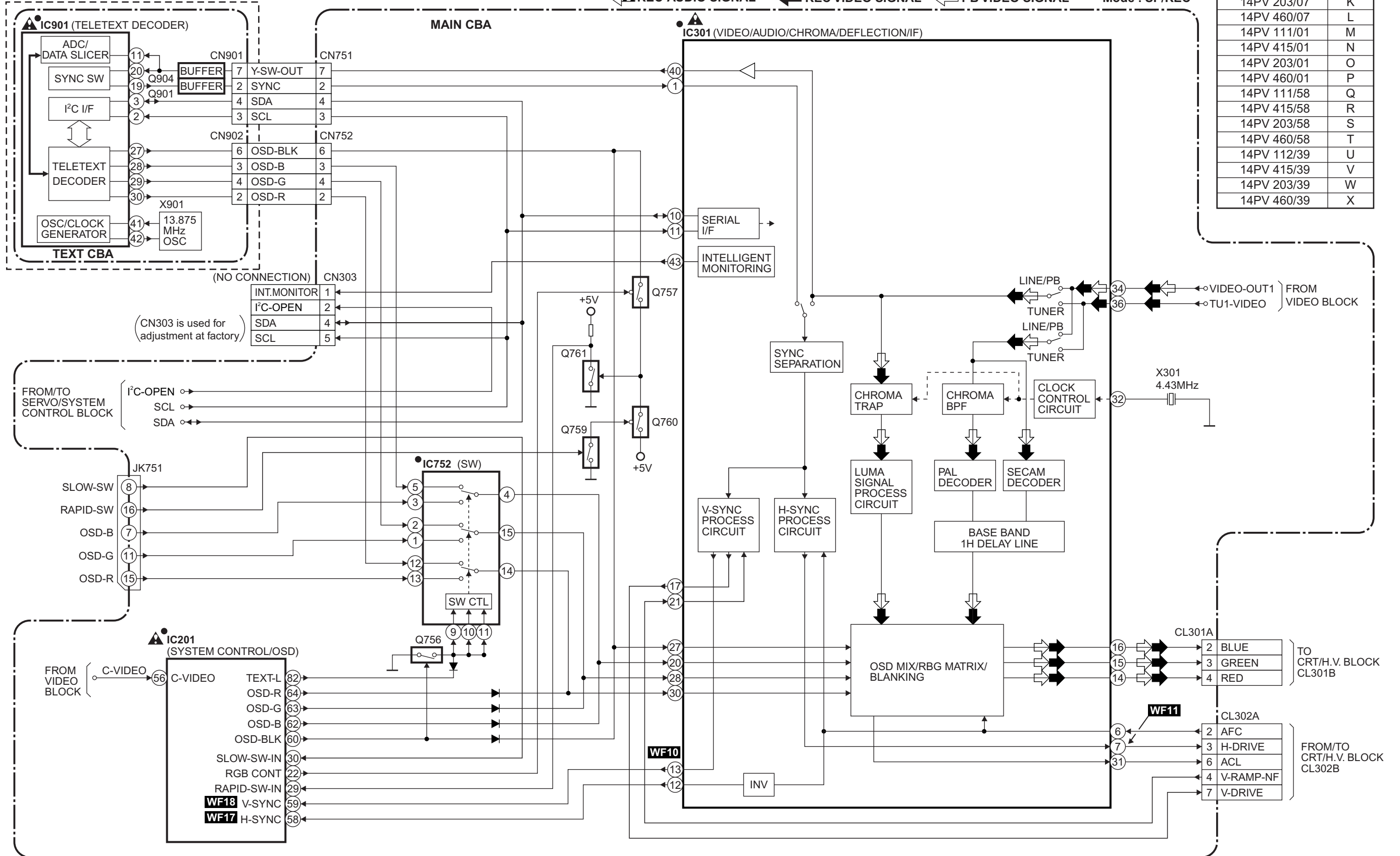
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(WIRE IS SOLDERED DIRECTLY.)

TEST POINT INFORMATION

- ⊙ :INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
- ⊞ :USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
- ⊗ :USED TO INDICATE A TEST POINT WITH NO TEST PIN.
- :USED TO INDICATE A TEST POINT WITH A TEST PIN.

"●" = SMD

K,L,O,P,S,T,W,X

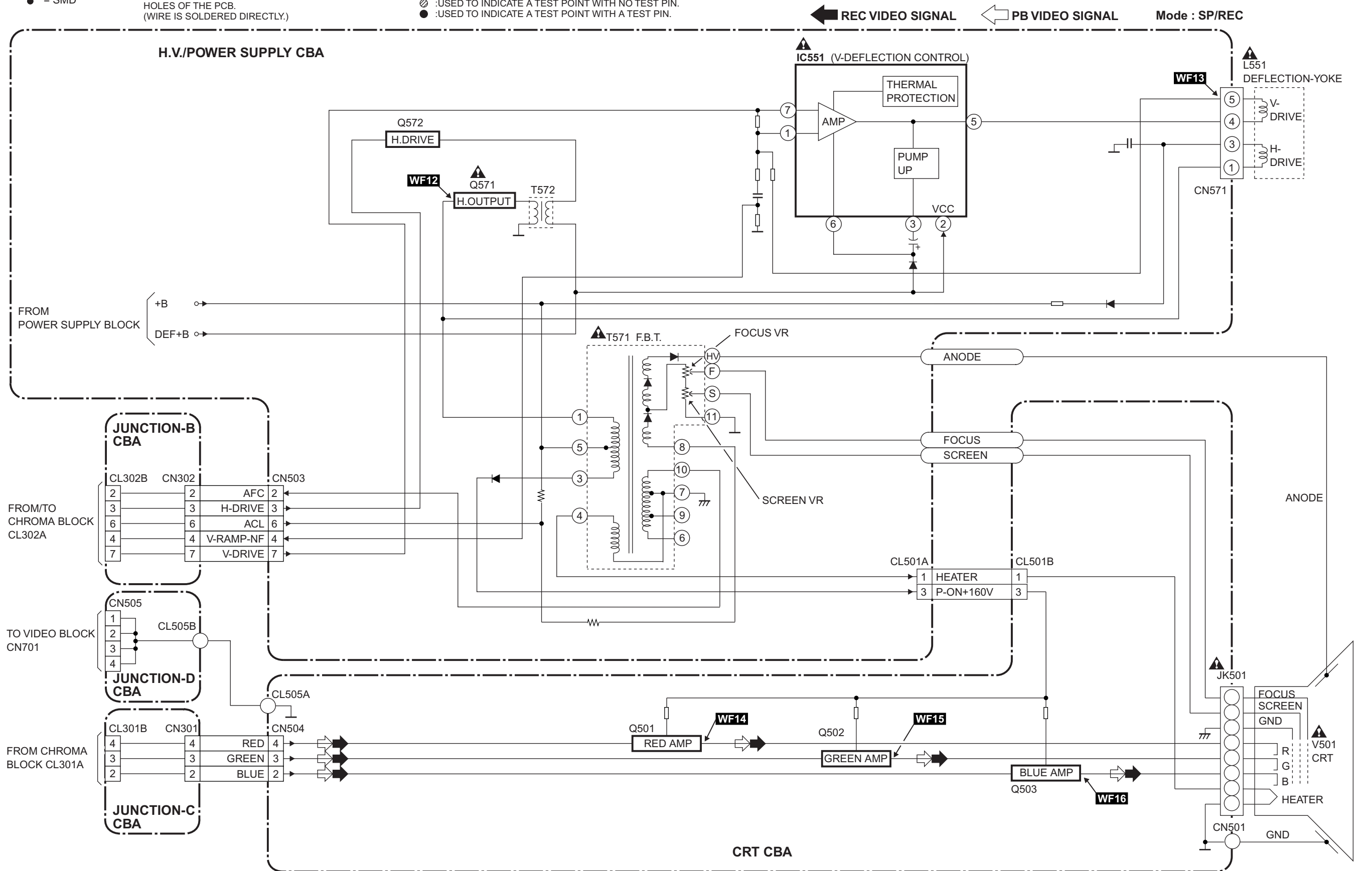


CRT/H.V. Block Diagram

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 HOLES OF THE PCB.
 (WIRE IS SOLDERED DIRECTLY.)

"●" = SMD

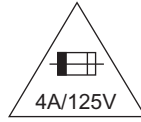
TEST POINT INFORMATION
 ○ :INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
 □ :USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
 ⊗ :USED TO INDICATE A TEST POINT WITH NO TEST PIN.
 ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.



Power Supply Block Diagram

CAUTION !

Fixed voltage power supply circuit is used in this unit.
 If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
 Otherwise it may cause some components in the power supply circuit to fail.



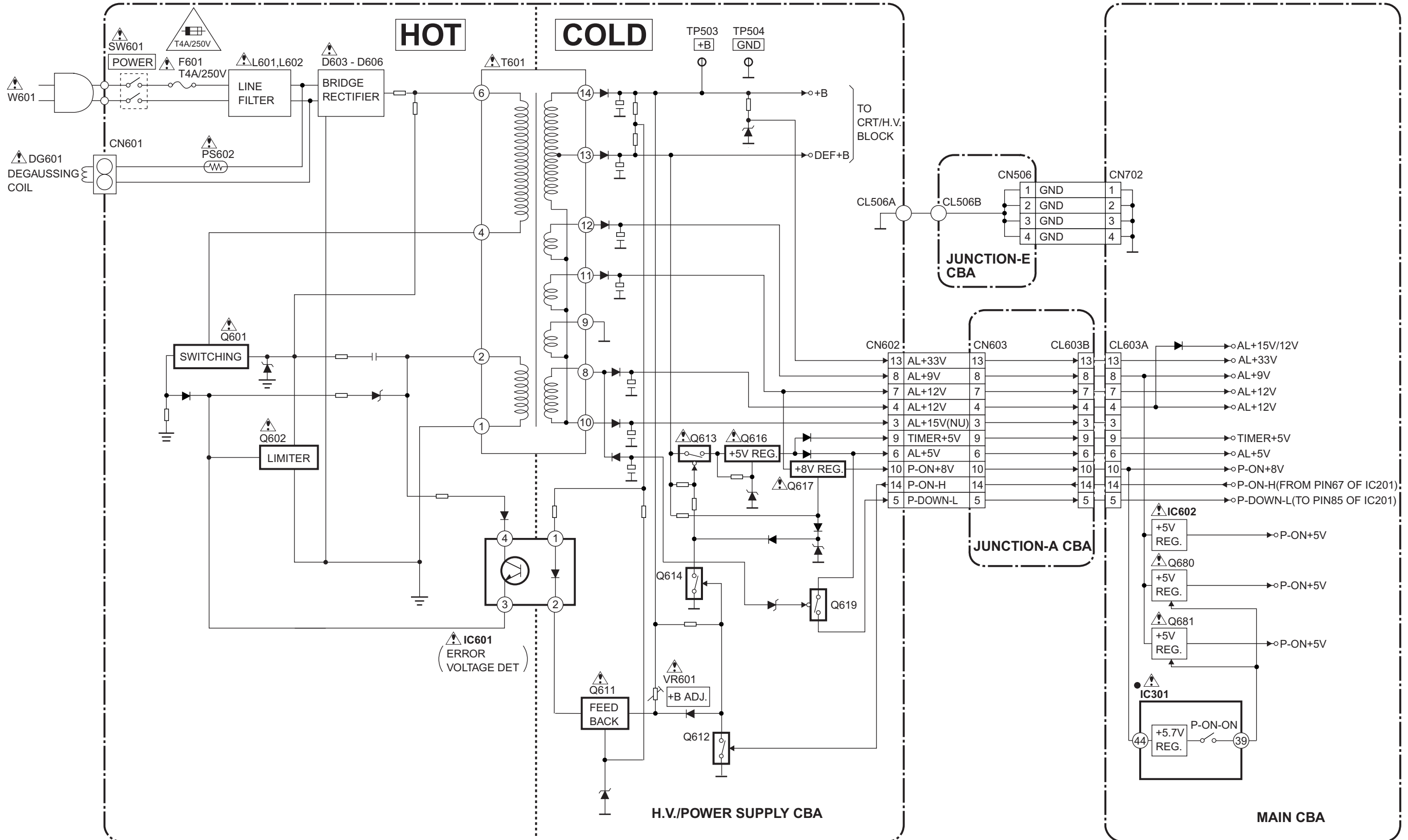
CAUTION

FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
 REPLACE ONLY WITH THE SAME TYPE FUSE.
 ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQUES
 D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.

"This symbol means fast operating fuse."
 "Ce symbole représente un fusible à fusion rapide."

NOTE :

The voltage for parts in hot circuit is measured using hot GND as a common terminal.



[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58),
14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

Main 1/4 Schematic Diagram Parts Location Guide

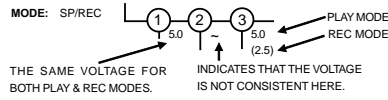
Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position
CAPACITORS		CAPACITORS		DIODES		RESISTORS		RESISTORS	
C201	C-4	C249	E-5	D682	B-2	R219	A-4	R273	B-3
C202	C-4	C250	A-3	D683	C-1	R220	A-4	R274	F-2
C203	C-4	C251	A-3	D684	C-1	R221	C-3	R275	A-2
C204	B-3	C252	A-3	D685	B-2	R222	C-3	R276	F-2
C205	B-3	C253	A-2	ICS		R223	C-3	R277	F-5
C206	C-3	C255	E-2	IC101	C-5	R224	C-4	R283	C-4
C207	C-1	C256	F-2	IC201	D-3	R225	C-2	R284	E-4
C208	C-3	C257	A-3	IC202	E-5	R226	C-3	R285	F-4
C210	D-1	C259	D-5	IC602	B-2	R227	C-1	R680	B-2
C211	D-1	C260	D-5	COILS		R228	C-2	R681	B-2
C212	D-1	C261	A-2	L201	A-2	R229	D-4	R682	B-1
C213	D-1	C262	C-4	L202	F-2	R231	C-1	R683	B-1
C214	D-1	C681	B-2	L203	A-2	R232	D-1	R684	B-1
C215	D-1	C682	B-1	TRANSISTORS		R233	C-1	R685	B-1
C216	D-1	C683	B-1	Q201	A-4	R234	D-1	R686	B-1
C217	D-1	C684	B-1	Q202	A-5	R236	D-1	R687	B-1
C218	D-1	C685	B-1	Q206	E-4	R238	D-1	R688	B-2
C219	D-1	C687	B-1	Q208	D-1	R239	D-1	SWITCHES	
C220	E-2	CONNECTORS		Q680	B-1	R240	D-1	SW201	B-4
C221	E-1	CN201	A-3	Q681	B-1	R241	D-2	SW202	A-4
C222	E-2	CL603A	A-1	Q682	B-2	R242	E-1	SW203	A-4
C223	F-2	DIODES		RESISTORS		R245	E-1	SW204	A-4
C224	F-2	D201	C-3	R201	C-4	R246	F-2	SW205	A-4
C225	F-2	D202	C-2	R202	C-4	R247	E-2	SW206	B-3
C232	F-4	D203	C-2	R203	C-4	R248	E-2	SW207	A-3
C233	F-4	D206	E-5	R204	C-4	R249	E-2	SW208	A-3
C234	E-4	D207	E-5	R205	B-4	R250	E-2	SW209	A-3
C235	E-5	D208	A-2	R206	B-4	R257	E-3	SW210	A-3
C236	E-4	D210	A-3	R207	A-4	R258	E-3	SW211	C-2
C237	D-5	D211	B-3	R208	A-4	R259	F-5	SW212	A-4
C238	D-5	D212	E-4	R209	A-4	R260	F-5	TEST POINTS	
C239	D-4	D213	D-5	R210	B-3	R261	F-5	TP001	D-5
C240	D-5	D214	C-4	R211	B-3	R262	F-5	TP002	C-3
C241	D-4	D215	C-4	R212	A-3	R263	E-4	CRYSTAL OSCILLATORS	
C242	D-5	D216	E-1	R213	A-3	R264	F-4	X201	D-1
C243	D-4	D217	E-1	R214	A-3	R265	E-4	X202	D-1
C245	D-5	D218	C-4	R215	B-4	R268	E-5	MISCELLANEOUS	
C246	E-5	D219	E-3	R216	B-4	R269	E-5	RS201	C-2
C247	E-5	D680	C-2	R217	A-4	R270	D-4		
C248	F-5	D681	C-1	R218	A-4	R271	D-5		

VOLTAGE CHART (Power off mode)

Ref. No.	1	2	3
IC602	3.2	0	1.9
Ref. No.	E	C	B
Q680	1.6	3.2	2.1
Q681	2.1	3.1	1.5
Q682	0	1.0	0

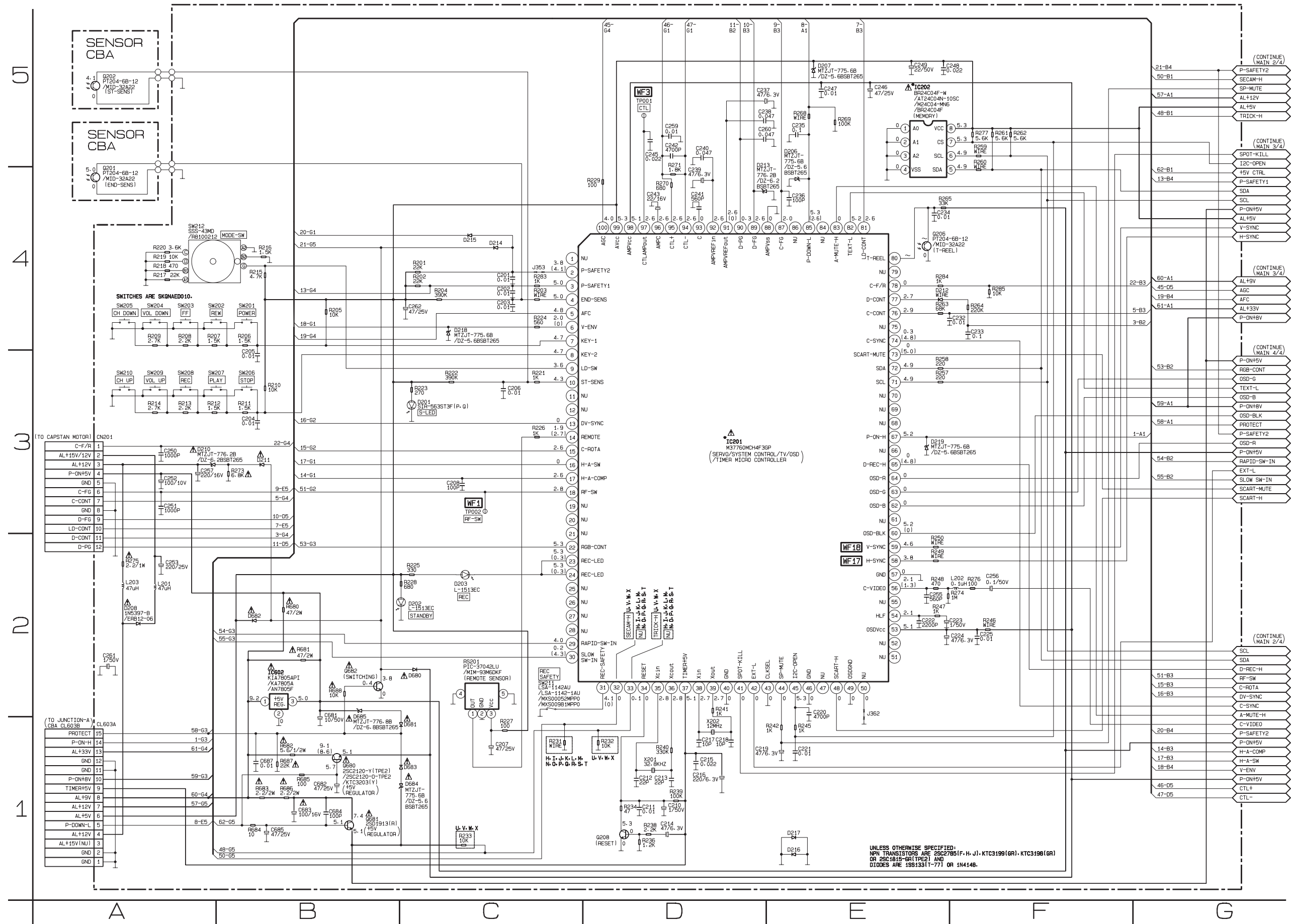
Main 1/4 Schematic Diagram

• = SMD

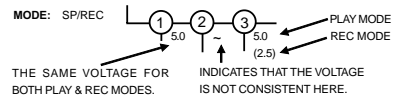


Comparison Chart of Models and Marks

MODEL	MARK
14PV 111/07	H
14PV 112/07	I
14PV 415/07	J
14PV 203/07	K
14PV 460/07	L
14PV 111/01	M
14PV 415/01	N
14PV 203/01	O
14PV 460/01	P
14PV 111/58	Q
14PV 415/58	R
14PV 203/58	S
14PV 460/58	T
14PV 112/39	U
14PV 415/39	V
14PV 203/39	W
14PV 460/39	X

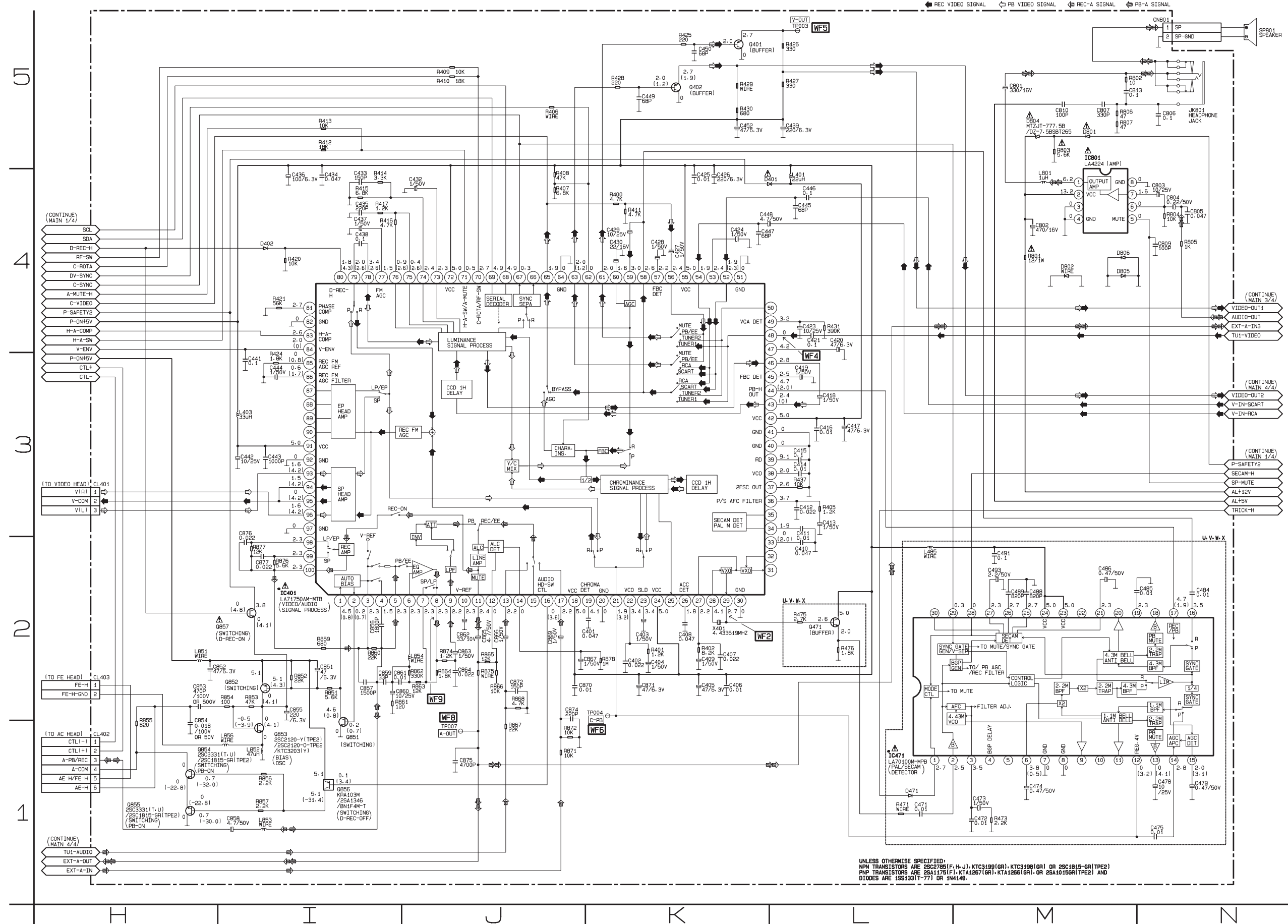


Main 2/4 Schematic Diagram



Comparison Chart of Models and Marks

MODEL	MARK
14PV 111/07	H
14PV 112/07	I
14PV 415/07	J
14PV 203/07	K
14PV 460/07	L
14PV 111/01	M
14PV 415/01	N
14PV 203/01	O
14PV 460/01	P
14PV 111/58	Q
14PV 415/58	R
14PV 203/58	S
14PV 460/58	T
14PV 112/39	U
14PV 415/39	V
14PV 203/39	W
14PV 460/39	X



UNLESS OTHERWISE SPECIFIED:
 NPN TRANSISTORS ARE 2SC2786(F, H, J), KTC319(G), KTC319(G) OR 2SC1815(G) (TPE2)
 PNP TRANSISTORS ARE 2SA1475(F), KTA1267(G), KTA1266(G) OR 2SA1015(G) (TPE2) AND
 DIODES ARE 1S8133(T-77) OR 1N4148.

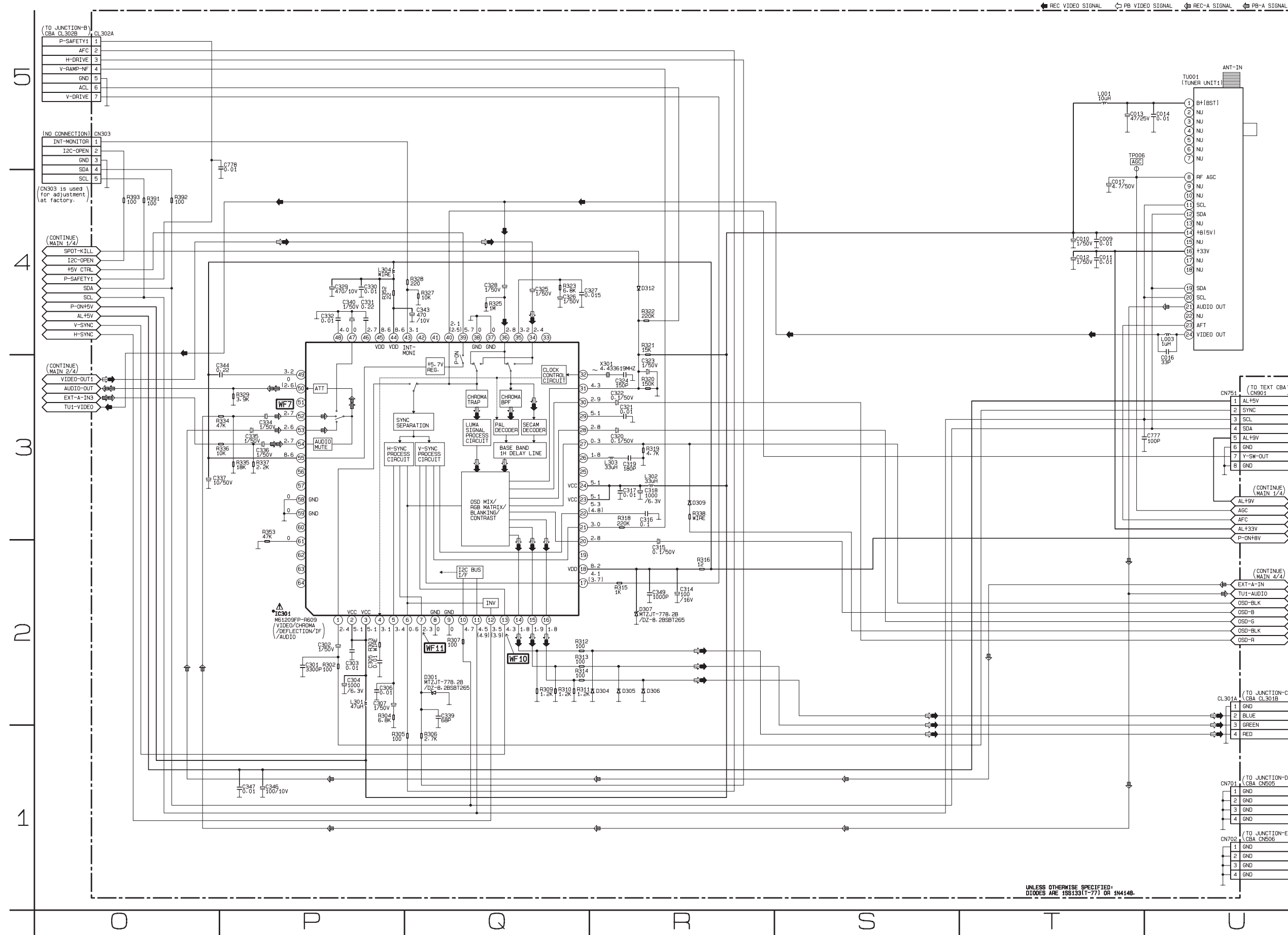
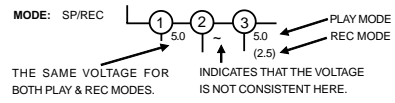
Main 2/4 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position
CAPACITORS		CAPACITORS		CAPACITORS		RESISTORS		RESISTORS	
C401	J-2	C452	K-5	C875	J-1	R406	J-5	R865	J-2
C402	K-2	C471	L-1	C876	I-3	R407	J-4	R866	J-2
C403	K-2	C472	M-1	C877	I-2	R408	J-4	R867	J-1
C404	K-2	C473	M-1	CONNECTORS		R409	J-5	R868	J-2
C405	K-2	C474	M-1	CN801	N-5	R410	J-5	R871	J-1
C406	K-2	C475	N-1	CL401	H-3	R411	K-4	R872	J-1
C407	K-2	C478	N-1	CL402	H-1	R412	I-5	R874	J-2
C408	K-2	C479	N-1	CL403	H-2	R413	I-5	R875	J-2
C409	K-2	C484	N-2	DIODES		R414	I-4	R876	I-2
C410	L-2	C485	N-2	D401	K-4	R415	I-4	R877	I-2
C411	L-3	C486	M-2	D402	I-4	R416	I-4	R878	K-2
C412	L-3	C488	M-2	D471	L-1	R417	I-4	CRYSTAL OSCILATOR	
C413	L-3	C489	M-2	D801	M-5	R420	I-4	X401	K-2
C414	L-3	C491	M-2	D802	M-4	R421	I-4	TEST POINTS	
C415	L-3	C493	M-2	D804	M-5	R424	I-3	TP003	L-5
C416	L-3	C801	M-5	D805	M-4	R425	K-5	TP004	K-2
C417	L-3	C802	M-4	D806	M-4	R426	L-5	TP007	J-1
C418	L-3	C803	N-4	ICS		R427	L-5	MISCELLANEOUS	
C419	L-3	C804	N-4	IC401	I-2	R428	K-5	JK801	N-5
C420	L-4	C805	N-4	IC471	L-1	R429	K-5		
C421	L-4	C806	N-5	IC801	M-5	R430	K-5		
C423	L-4	C807	M-5	COILS		R431	L-4		
C424	K-4	C809	N-4	L401	L-4	R437	L-3		
C425	K-4	C810	M-5	L403	I-3	R471	L-1		
C426	K-4	C813	M-5	L485	L-2	R473	M-1		
C427	K-4	C851	I-2	L801	M-4	R475	L-2		
C428	K-4	C852	H-2	L851	H-2	R476	L-2		
C429	K-4	C853	H-2	L852	I-1	R801	M-5		
C430	K-4	C854	H-1	L853	I-1	R802	M-5		
C432	J-4	C855	I-2	L854	J-2	R803	M-5		
C433	I-4	C856	J-2	L856	I-1	R804	N-4		
C434	I-4	C857	I-2	TRANSISTORS		R805	N-4		
C435	I-4	C858	I-1	Q401	K-5	R806	M-5		
C436	I-4	C859	I-2	Q402	K-5	R807	M-5		
C437	I-4	C860	I-2	Q471	L-2	R851	I-2		
C438	I-4	C861	I-2	Q851	I-1	R852	I-2		
C439	I-5	C862	J-2	Q852	I-2	R853	I-2		
C441	I-3	C863	J-2	Q853	I-1	R854	I-2		
C442	I-3	C864	J-2	Q854	H-1	R855	H-2		
C443	I-3	C865	J-2	Q855	H-1	R856	I-1		
C444	I-3	C866	J-2	Q856	I-1	R857	I-1		
C445	L-4	C867	J-2	Q857	I-2	R859	I-2		
C446	L-4	C869	J-1	RESISTORS		R860	I-2		
C447	K-4	C870	J-2	R400	K-4	R861	I-2		
C448	K-4	C871	K-2	R401	K-2	R862	J-2		
C449	K-5	C872	J-2	R402	K-2	R863	J-2		
C450	K-5	C874	J-2	R405	L-3	R864	J-2		

Main 3/4 Schematic Diagram Parts Location Guide

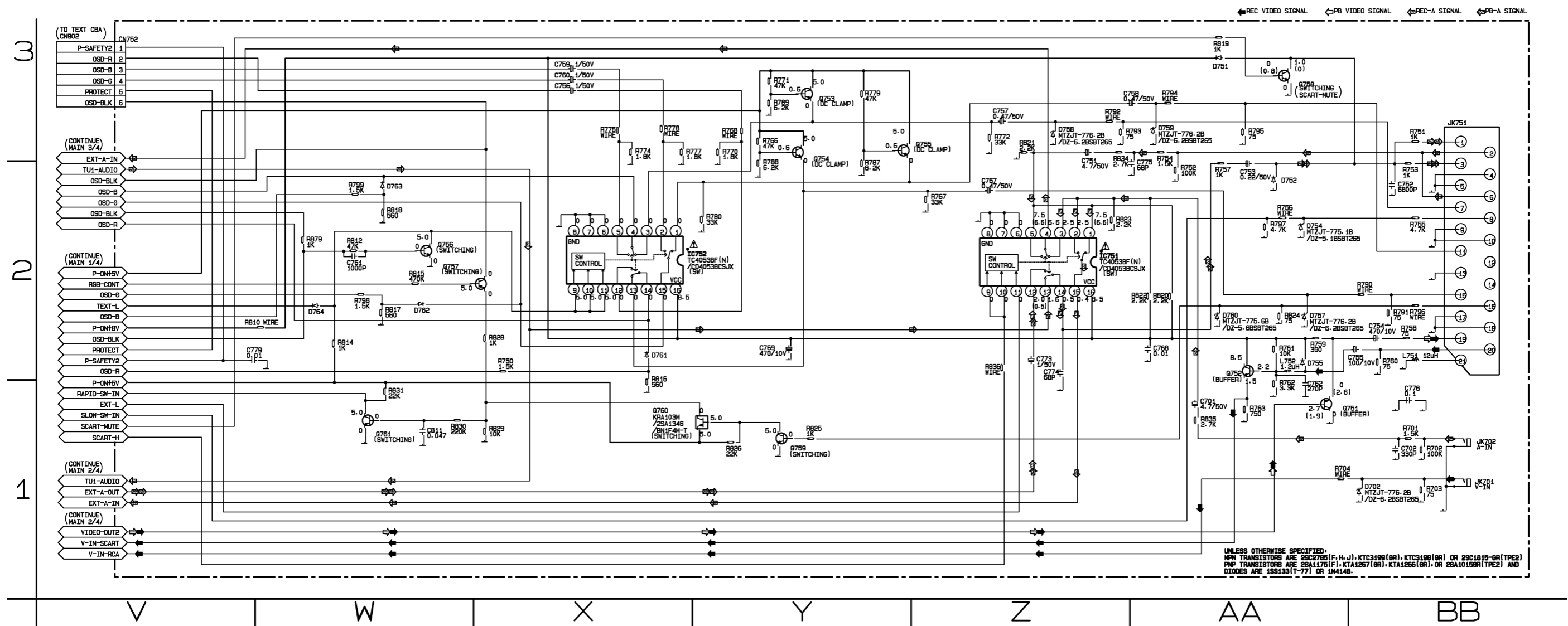
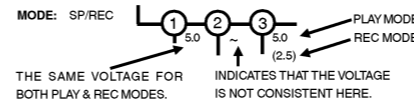
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CAPACITORS		CAPACITORS		DIODES		RESISTORS	
C009	T-4	C327	Q-4	D304	R-2	R315	R-2
C010	T-4	C328	Q-4	D305	R-2	R316	R-3
C011	T-4	C329	P-4	D306	R-2	R318	R-3
C012	T-4	C330	P-4	D307	R-2	R319	R-3
C013	T-5	C331	P-4	D309	R-3	R320	R-3
C014	U-5	C332	P-4	D312	R-4	R321	R-4
C016	U-3	C334	P-3	IC		R322	R-4
C017	T-4	C335	P-3	IC301	P-2	R323	Q-4
C301	P-2	C336	P-3	COILS		R325	Q-4
C302	P-2	C337	O-3	L001	T-5	R327	Q-4
C303	P-2	C339	Q-2	L003	U-4	R328	Q-4
C304	P-2	C340	P-4	L301	P-2	R329	P-3
C305	P-2	C343	Q-4	L302	R-3	R334	O-3
C306	P-2	C344	O-3	L303	R-3	R335	P-3
C307	P-2	C346	P-1	L304	P-4	R336	O-3
C314	R-2	C347	P-1	RESISTORS		R337	P-3
C315	R-2	C349	R-2	R302	P-2	R338	R-3
C316	R-3	C777	U-3	R303	P-2	R352	P-4
C317	R-3	C778	P-5	R304	P-2	R353	P-3
C318	R-3	CONNECTORS		R305	P-1	R391	O-4
C319	R-3	CN303	O-5	R306	Q-1	R392	O-4
C320	R-3	CN701	U-1	R307	Q-2	R393	O-4
C321	R-3	CN702	U-1?	R309	Q-2	CRYSTAL OSCILATOR	
C322	R-3	CN751	U-3	R310	Q-2	X301	R-3
C323	R-3	CL301A	U-2	R311	Q-2	MISCELLANEOUS	
C324	R-3	CL302A	O-5	R312	Q-2	TU001	U-5
C325	Q-4	DIODES		R313	Q-2	TEST POINTS	
C326	Q-4	D301	Q-2	R314	Q-2	TP006	T-5

Main 3/4 Schematic Diagram



UNLESS OTHERWISE SPECIFIED, DIODES ARE 1S8133(1-77) OR 1N4148.

Main 4/4 Schematic Diagram



MAIN 4/4 SCHEMATIC DIAGRAM PARTS LOCATION GUIDE

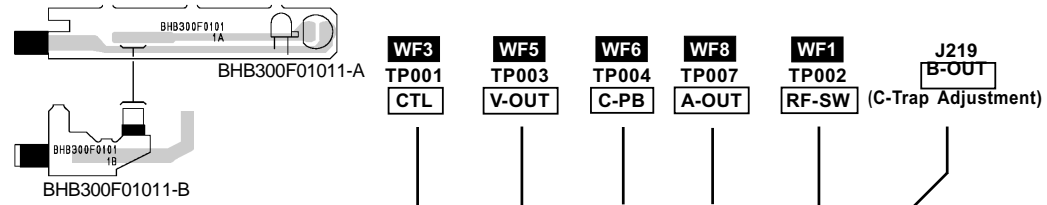
Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position
CAPACITORS		DIODES		TRANSISTORS		RESISTORS		RESISTORS	
C701	AA-1	D751	AA-3	Q759	Y-1	R772	Z-3	R819	AA-3
C702	BB-1	D752	AA-2	Q760	X-1	R774	X-3	R820	AA-2
C751	Z-3	D754	AA-2	Q761	W-1	R775	X-3	R821	Z-3
C752	BB-2	D755	AA-2	RESISTORS		R777	X-3	R822	AA-2
C753	AA-2	D757	AA-2	R701	BB-1	R778	X-3	R823	Z-2
C754	BB-2	D758	Z-3	R702	BB-1	R779	Y-3	R824	AA-2
C755	BB-2	D759	AA-3	R703	BB-1	R780	Y-2	R825	Y-1
C756	X-3	D760	AA-2	R704	AA-1	R787	Y-3	R826	Y-1
C757	Z-3	D761	X-2	R750	X-2	R788	Y-3	R828	X-2
C758	Z-3	D762	W-2	R751	BB-3	R789	Y-3	R829	X-1
C759	X-3	D763	W-2	R752	AA-2	R790	BB-2	R830	W-1
C760	X-3	D764	W-2	R753	BB-2	R791	BB-2	R831	W-1
C761	W-2	ICS		R754	AA-3	R792	Z-3	R834	Z-3
C762	AA-1	IC751	Z-2	R755	BB-2	R793	Z-3	R835	AA-1
C767	Z-2	IC752	X-2	R756	AA-2	R794	AA-3	R836	Z-2
C768	AA-2	COILS		R757	AA-2	R795	AA-3	R879	W-2
C769	Y-2	L751	BB-2	R758	BB-2	R796	BB-2	MISCELLANEOUS	
C773	Z-2	L752	AA-2	R759	AA-2	R797	AA-2	JK701	BB-1
C774	Z-2	TRANSISTORS		R760	BB-2	R798	W-2	JK702	BB-1
C775	AA-2	Q751	AA-1	R761	AA-2	R799	W-2	JK751	BB-3
C776	BB-1	Q752	AA-2	R762	AA-1	R810	V-2		
C779	V-2	Q753	Y-3	R763	AA-1	R812	W-2		
C811	W-1	Q754	Y-3	R766	Y-3	R814	W-2		
CONNECTOR		Q755	Z-3	R767	Z-2	R815	W-2		
CN752	V-3	Q756	W-2	R768	Y-3	R816	X-2		
DIODES		Q757	W-2	R770	Y-3	R817	W-2		
D702	BB-1	Q758	AA-3	R771	Y-3	R818	W-2		

Main CBA Top View

CAUTION !
Fixed voltage power supply circuit is used in this unit.
If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

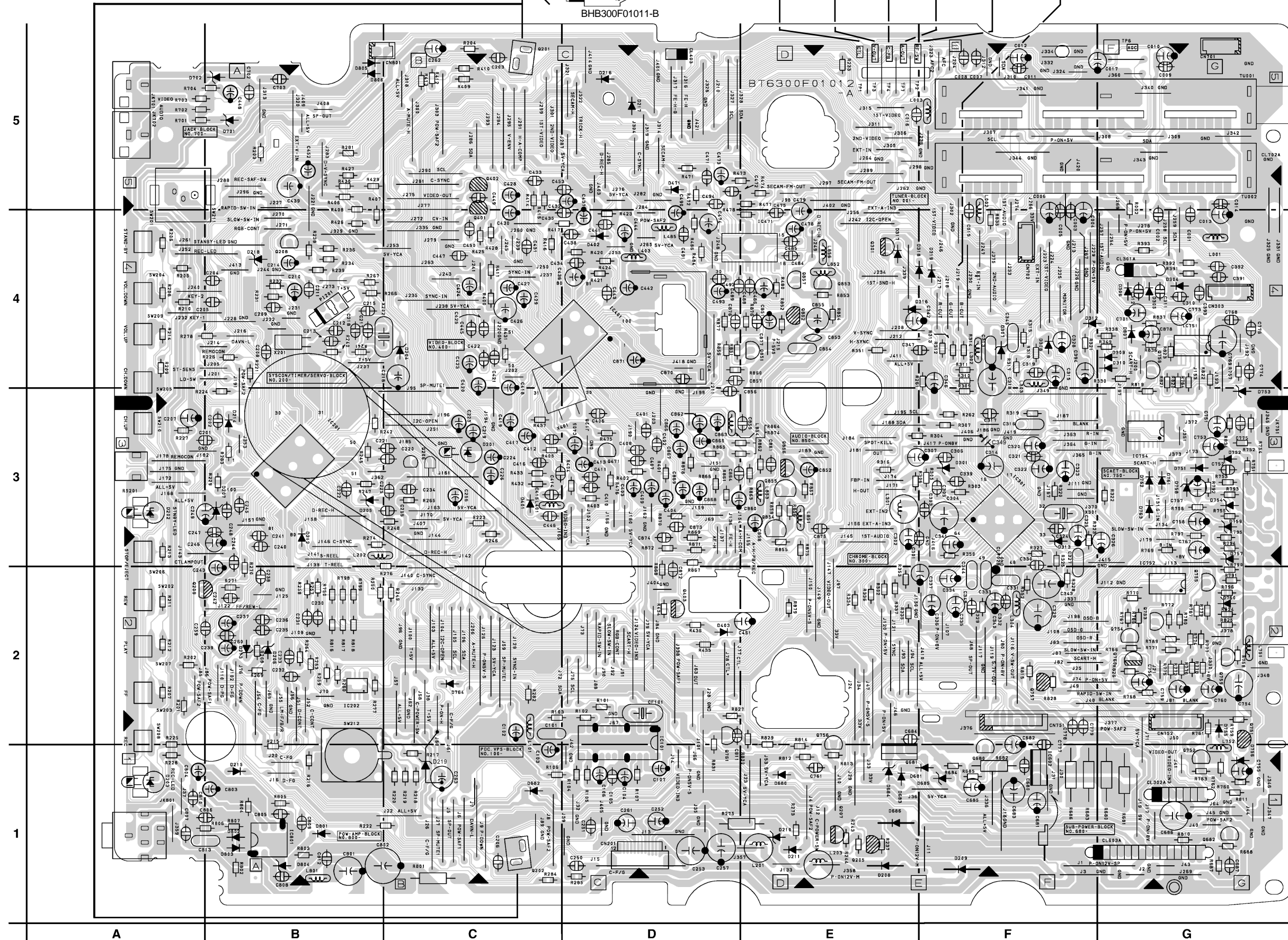
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE FUSE.

Sensor CBA Top View



BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED. ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY, WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT, A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.

NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



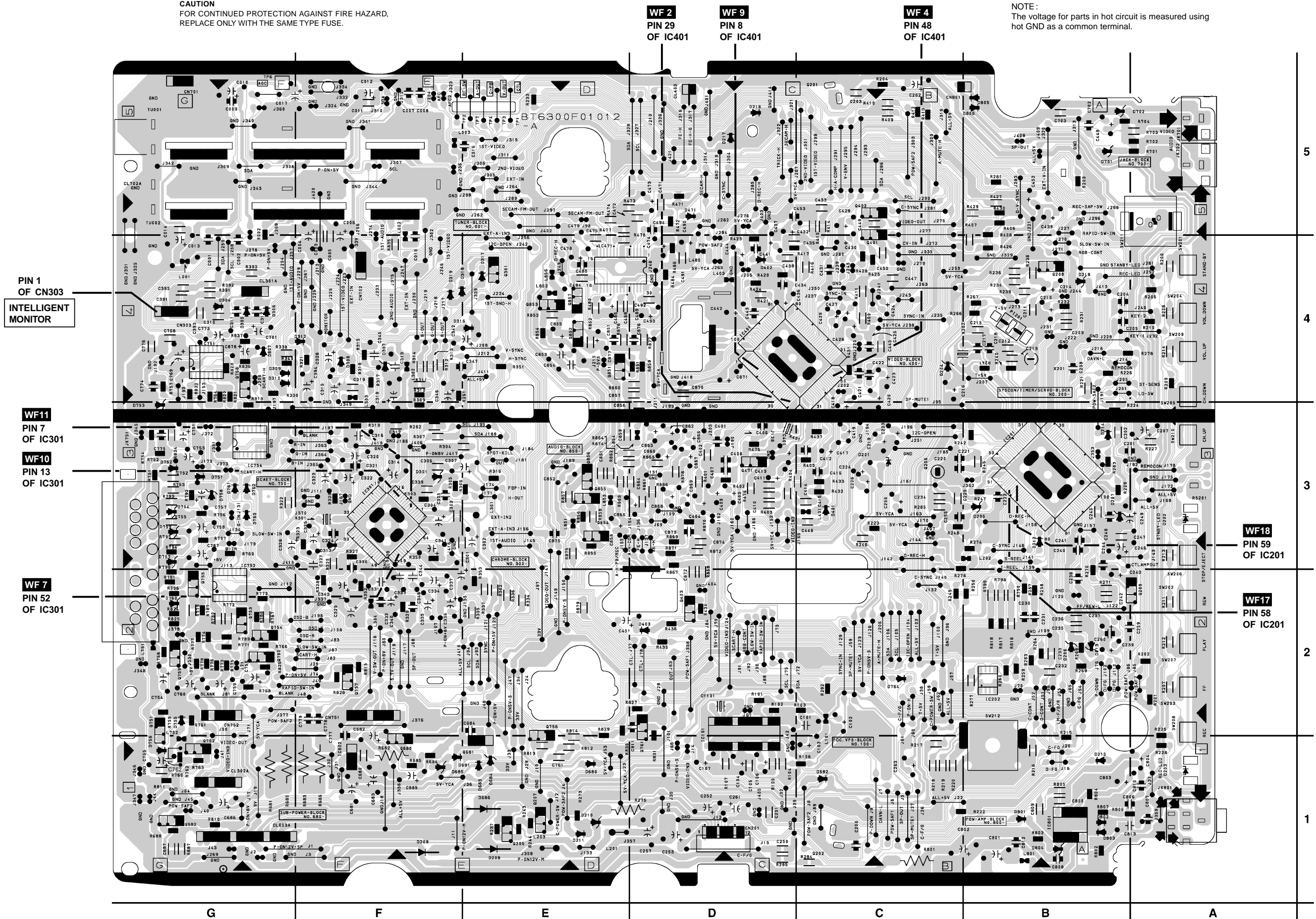
Main CBA Bottom View

CAUTION !
Fixed voltage power supply circuit is used in this unit.
If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE FUSE.

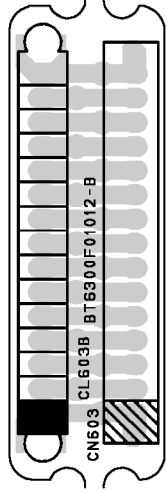
BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED.
ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY, WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT, A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.

NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

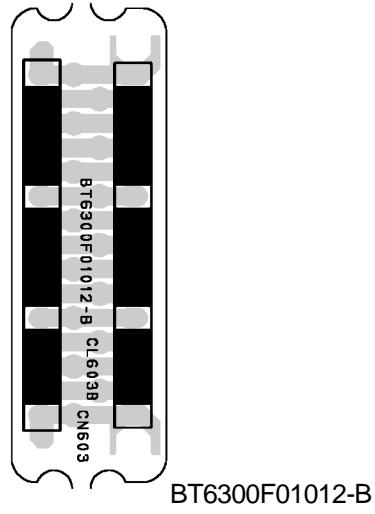


5
4
3
2
1

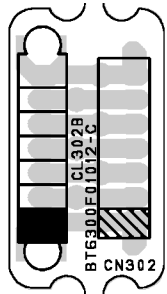
Junction-A CBA Top View



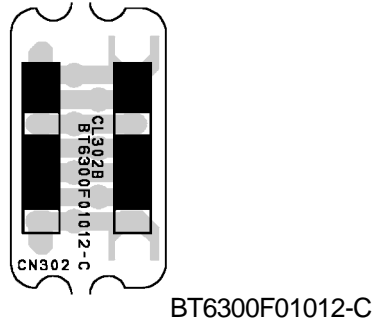
Junction-A CBA Bottom View



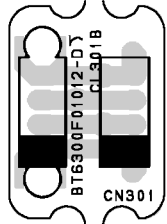
Junction-B CBA Top View



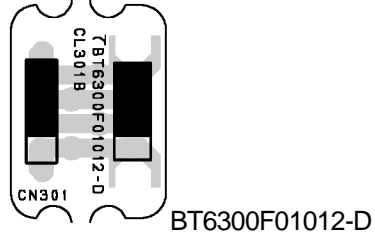
Junction-B CBA Bottom View



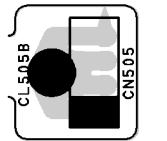
Junction-C CBA Top View



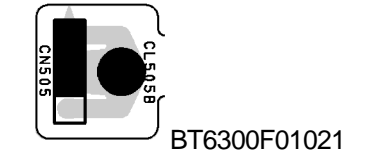
Junction-C CBA Bottom View



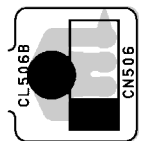
Junction-D CBA Top View



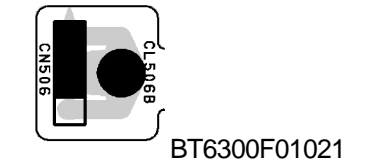
Junction-D CBA Bottom View



Junction-E CBA Top View



Junction-E CBA Bottom View



A

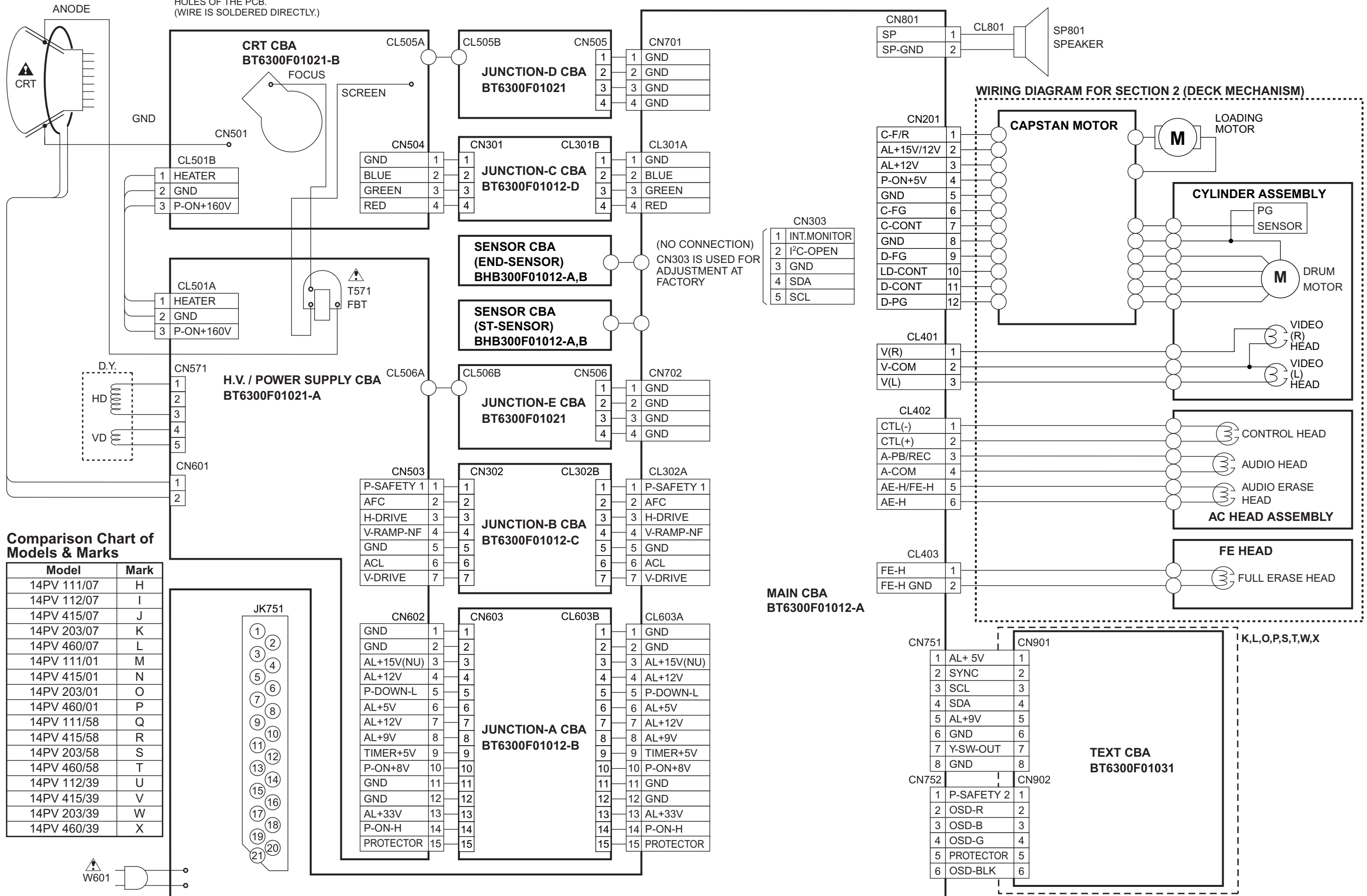
B

C

D

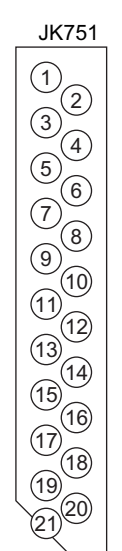
WIRING DIAGRAM

NOTE FOR WIRE CONNECTORS:
 1. PREFIX SYMBOL "CN" MEANS CONNECTOR.
 (CAN DISCONNECT AND RECONNECT.)
 2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER
 HOLES OF THE PCB.
 (WIRE IS SOLDERED DIRECTLY.)

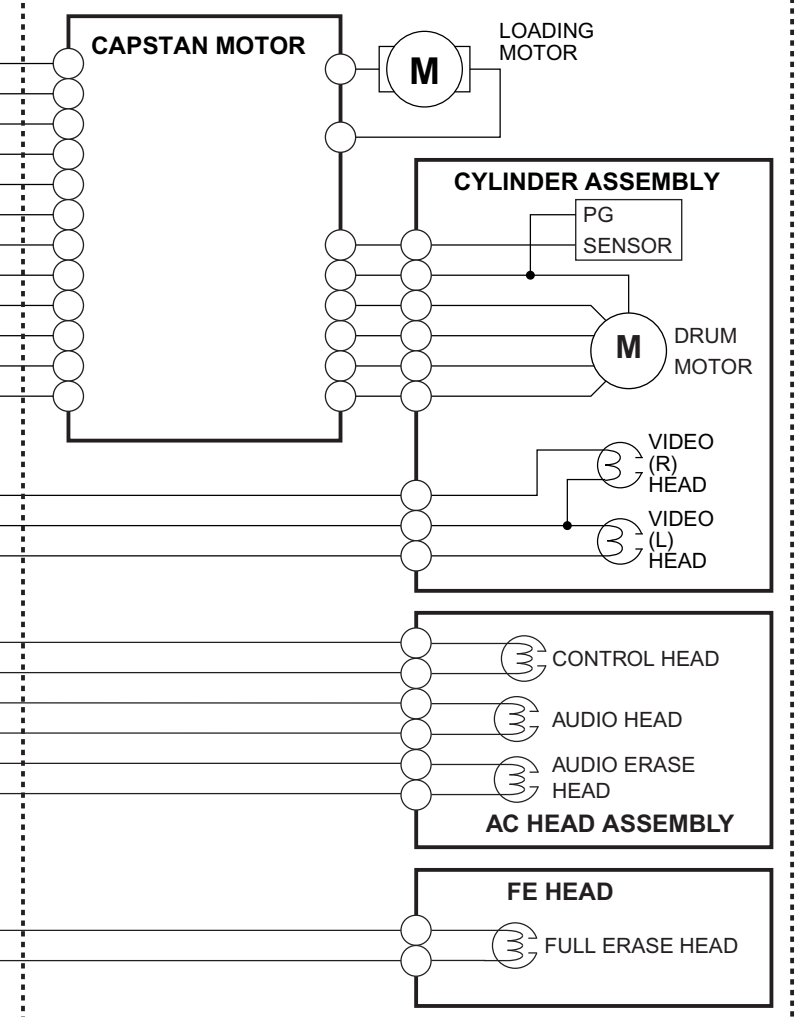


Comparison Chart of Models & Marks

Model	Mark
14PV 111/07	H
14PV 112/07	I
14PV 415/07	J
14PV 203/07	K
14PV 460/07	L
14PV 111/01	M
14PV 415/01	N
14PV 203/01	O
14PV 460/01	P
14PV 111/58	Q
14PV 415/58	R
14PV 203/58	S
14PV 460/58	T
14PV 112/39	U
14PV 415/39	V
14PV 203/39	W
14PV 460/39	X



WIRING DIAGRAM FOR SECTION 2 (DECK MECHANISM)



[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

Comparison Chart of Models and Marks

Model	Mark	Model	Mark
14PV111/07	H	14PV111/58	Q
14PV112/07	I	14PV415/58	R
14PV415/07	J	14PV203/58	S
14PV203/07	K	14PV460/58	T
14PV460/07	L	14PV112/39	U
14PV111/01	M	14PV415/39	V
14PV415/01	N	14PV203/39	W
14PV203/01	O	14PV460/39	X
14PV460/01	P		

IC 201 (TV/VCR Micro Computer)

“H” ≥ 4.5V, “L” ≤ 1.0V

Pin No.	Mark	IN/OUT	Signal Name	Function
1		-	NU	Not Used
2		IN	P-SAFETY 2	Power Supply Failure Detection 2
3		IN	P-SAFETY 1	Power Supply Failure Detection 1
4		IN	END-SENS	End-Sensor
5		IN	AFC	Automatic Frequency Control Signal
6		IN	V-ENV	Video Envelope Input
7		IN	KEY-1	Key 1 Input
8		IN	KEY-2	Key 2 Input
9		IN	LD-SW	Loading Switch Input
10		IN	ST-SENS	Start-Sensor
11		-	NU	Not Used
12		-	NU	Not Used
13		IN/OUT	D-V SYNC	Artificial V-Sync Output
14		IN	REMOTE	Remote Signal Input
15		OUT	C-ROTA	Color Phase Rotary Changeover Signal
16		OUT	H-A-SW	Video Head Amp Switching Pulse
17		IN	H-A-COMP	Head Amp Comparator Signal

Pin No.	Mark	IN/OUT	Signal Name	Function
18		OUT	RF-SW	Video Head Switching Pulse
19		-	NU	Not Used
20		-	NU	Not Used
21		-	NU	Not Used
22		OUT	RGB-CONT	RGB Control Signal
23		OUT	REC-LED	Recording LED Control Signal
24		OUT	REC-LED	Recording LED Control Signal
25		-	NU	Not Used
26		-	NU	Not Used
27		-	NU	Not Used
28		-	NU	Not Used
29		IN	RAPID-SW-IN	RAPID-Switch Input Signal from Scart Jack
30		IN	SLOW SW-IN	Slow-Switch Input Signal from Scart Jack
31		IN	REC-SAFETY	Record Protection Tab Detection
32	U,V,W,X	-	NU	Not Used
	H,I,J,K,L,M,N,O,P,Q,R,S,T	IN	SECAM-H	SECAM Mode at High
33	U,V,W,X	-	NU	Not Used
	H,I,J,K,L,M,N,O,P,Q,R,S,T	OUT	TRICK-H	Special Playback = “H” in SECAM Mode
34		IN	RESET	System Reset Signal (Reset=“L”)

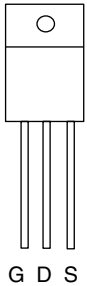
Pin No.	Mark	IN/OUT	Signal Name	Function
35		IN	XCIN	Sub Clock 32 kHz
36		OUT	XCOUT	Sub Clock 32 kHz
37		-	TIMER+5V	Vcc
38		IN	XIN	Main Clock Input
39		OUT	XOUT	Main Clock Output
40		-	GND	GND
41		OUT	SPOT-KILL	Counter-measure for Spot
42		OUT	EXT-L	External Input or Playback = Output
43		IN	CLKSEL	Clock Select (GND)
44		OUT	SP-MUTE	Speaker Mute Signal
45		IN	I2C-OPEN	White Balance Adjust Mode Judgment
46		-	GND	GND
47		-	NU	Not Used
48		OUT	SCART-H	Switching Signal of Scart Jack and RCA Jack
49		-	OSDGND	OSD GND
50		-	NU	Not Used
51		-	NU	Not Used
52		-	NU	Not Used
53		-	OSDVcc	OSDVcc
54		-	HLF	HLF
55		-	NU	Not Used
56		IN	C-VIDEO	Video Signal Input
57		-	GND	GND
58		IN	H-SYNC	H-SYNC Input
59		IN	V-SYNC	V-SYNC Input
60		OUT	OSD-BLK	Output for Picture Cut off
61		-	NU	Not Used
62		OUT	OSD-B	Blue Output
63		OUT	OSD-G	Green Output
64		OUT	OSD-R	Red Output
65		OUT	D-REC-H	Delayed Record Signal
66		-	NU	Not Used
67		OUT	P-ON-H	Power On Signal at High

Pin No.	Mark	IN/OUT	Signal Name	Function
68		-	NU	Not Used
69		-	NU	Not Used
70		-	NU	Not Used
71		OUT	SCL	E2PROM/CHROMA IC Tuner Communication Clock
72		IN/OUT	SDA	E2PROM/CHROMA IC Tuner Communication Data
73		OUT	SCART-MUTE	Audio Mute Signal at Scart Jack
74		IN	C-SYNC	C-Sync Input
75		-	NU	Not Used
76		OUT	C-CONT	Capstan Motor Control Signal
77		OUT	D-CONT	Drum Motor Control Signal
78		OUT	C-F/R	Capstan Motor FWD/REV Control Signal (FWD="L"/REV="H")
79		-	NU	Not Used
80		IN	T-REEL	Take Up Reel Rotation Signal
81		OUT	LD-CONT	Loading Motor Control Signal
82		OUT	TEXT-L	Teletext Control Signal
83		OUT	A-MUTE-H	Audio Mute Control Signal (Mute = "H")
84		-	NU	Not Used
85		OUT	P-DOWN-L	Power Voltage Down Detector Signal at Low
86		-	NU	Not Used
87		IN	C-FG	Capstan Motor Rotation Detection Pulse
88		-	AMPVss	AMPVss (GND)
89		IN	D-FG	Drum Motor Rotation Detection Pulse
90		IN	D-PG	Drum Motor Pulse Generator

Pin No.	Mark	IN/OUT	Signal Name	Function
91		OUT	AMPVREF OUT	Standard Voltage Output
92		IN	AMPVREF IN	Standard Voltage Input
93		-	C	C Terminal
94		IN/ OUT	CTL (-)	CTL (-)
95		IN/ OUT	CTL (+)	CTL (+)
96		-	AMPC	AMPC
97		OUT	CTLAMP OUT	Control Amp Output
98		-	AMPVcc	AMPVcc
99		-	AVcc	A/D Converter Power Input/ Standard Voltage Input
100		IN	AGC	IF AGC Control Signal

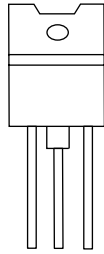
[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58),
 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

2SK2647



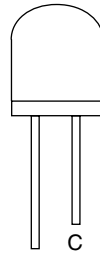
G D S

2SD2627LS-FEC-YB11
 TT2084LS-YB11



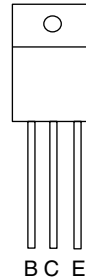
B C E

PT204-6B-12
 MID-32A22



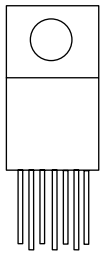
E C

2SD1931(R)

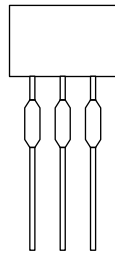


B C E

LA78040A
 AN5522

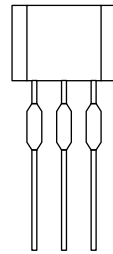


IN G OUT



E C B

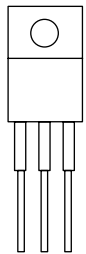
KRA103M
 2SA1346
 2SC1815-GR(TPE2)
 2SC3331(T,U)
 2SC2120-(O,Y)(TPE2)
 KTC3203(Y)
 KTA1266(GR)



E C B

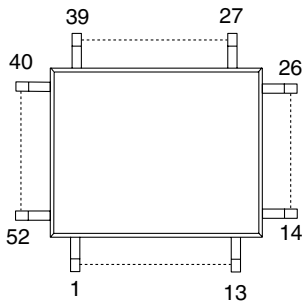
2SC1627Y-TPE2
 2SA950(Y,O)
 KTA1271(Y)
 2SC2482 TPE6
 2SC3468(E,D)-AE
 KTC3207
 2SA1175(F)
 KTA1267(GR)
 KTC3198(GR)
 BN1F4M-T
 KTC3199(GR)
 2SC2785(J,H,F)
 2SA1015-GR(TPE2)

KIA7805API
 KA7805A
 AN7805F

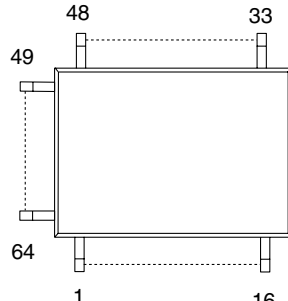


IN G OUT

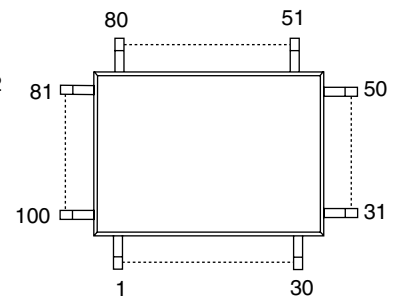
ET-TVT031A



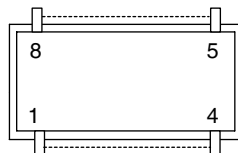
M61209FP-R609



M37760MCH4F3GP
 LA71750AM-MTB



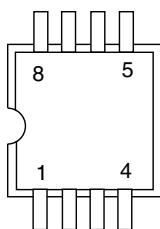
LA4224



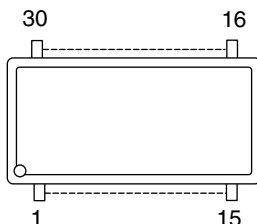
LTV-817MBF(MCF)



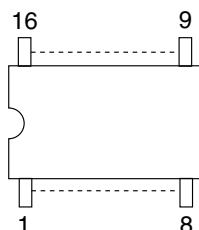
BR24C04F-W
 BR24C04F
 AT24C04N-10SC
 M24C04-MN6



LA70100M-MPB



TC4053BF(N)
 CD4053BCSJX



Note:

- A: Anode
- K: Cathode
- E: Emitter
- C: Collector
- B: Base
- R: Reference
- S: Source
- G: Gate
- D: Drain

PRODUCT SAFETY NOTE: Products marked with a ▲

have special characteristics important to safety.
 Before replacing any of these components, read carefully
 the product safety notice in this service manual.
 Don't degrade the safety of the product through improper servicing.

NOTES:

C.....±0.25% D.....±0.5% F.....±1%
 G.....±2% J.....±5% K.....±10%
 M.....±20% N.....±30% Z.....+80/-20%

ELECTRICAL PARTS LIST			14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39
			Pos.	▲ 12 NC	Description														
MMA CBA																			
Consists of the following																			
		MAIN CBA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		JUNCTION A CBA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		JUNCTION B CBA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		JUNCTION C CBA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		SENSOR CBA																	
MAIN CBA																			
CAPACITORS																			
C009		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C010		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C011		CERAMIC CAP.(AX) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C012		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C013		ELECTROLYTIC CAP. 47UF/25V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C014		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C016		CERAMIC CAP.(AX) SL J 33PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C017		ELECTROLYTIC CAP. 4.7UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C201		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C202		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C203		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C204		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C205		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C206		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C207		ELECTROLYTIC CAP. 47UF/25V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C208		CERAMIC CAP.(AX) B K 100PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C210		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C211		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C212		CERAMIC CAP.(AX) SL J 22PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C213		CERAMIC CAP.(AX) SL J 22PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C214		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C215		CERAMIC CAP.(AX) Y N 0.022UF/6V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C216		ELECTROLYTIC CAP. 220UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C217		CERAMIC CAP.(AX) SL J 10PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C218		CERAMIC CAP.(AX) SL J 10PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C219		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C220		CERAMIC CAP.(AX) X M 4700PF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C221		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C222		CERAMIC CAP.(AX) X M 2200PF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C223		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C224		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C225		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C232		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C233		CERAMIC CAP.(AX) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C234		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C235		CERAMIC CAP.(AX) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C236		CERAMIC CAP.(AX) B K 100PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C237		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C238		CERAMIC CAP.(AX) F Z 0.047UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ELECTRICAL PARTS LIST

Pos.	▲ 12 NC	Description	14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39	
C239		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C240		CERAMIC CAP.(AX) F Z 0.047UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C241		CERAMIC CAP.(AX) B K 560PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C242		CERAMIC CAP.(AX) X M 4700PF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C243		ELECTROLYTIC CAP. 22UF/16V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C245		CERAMIC CAP.(AX) Y N 0.022UF/6V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C246		ELECTROLYTIC CAP. 47UF/25V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C247		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C248		CERAMIC CAP.(AX) Y N 0.022UF/6V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C249		ELECTROLYTIC CAP. 22UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C250		CERAMIC CAP.(AX) B K 1000PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C251		CERAMIC CAP.(AX) B K 1000PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C252		ELECTROLYTIC CAP. 100UF/10V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C253		ELECTROLYTIC CAP. 220UF/16V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C255		CERAMIC CAP.(AX) B K 560PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C256		ELECTROLYTIC CAP. 0.1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C257		ELECTROLYTIC CAP. 220UF/16V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C259		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C260		CERAMIC CAP.(AX) F Z 0.047UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C261		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C262		ELECTROLYTIC CAP. 47UF/25V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C301		CERAMIC CAP.(AX) X M 3300PF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C302		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C303		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C304		ELECTROLYTIC CAP. 1000UF/6.3V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C305		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C306		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C307		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C314		ELECTROLYTIC CAP. 100UF/16V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C315		ELECTROLYTIC CAP. 0.1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C316		FILM CAP.(P) 0.1UF/50V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C317		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C318		ELECTROLYTIC CAP. 1000UF/6.3V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C319		CERAMIC CAP.(AX) B K 180PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C320		ELECTROLYTIC CAP. 0.1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C321		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C322		ELECTROLYTIC CAP. 0.1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C323		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C324		CERAMIC CAP.(AX) B K 150PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C325		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C326		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C327		FILM CAP.(P) 0.015UF/50V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C328		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C329		ELECTROLYTIC CAP. 470UF/10V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C330		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C331		FILM CAP.(P) 0.22UF/50V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C332		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C334		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C335		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C336		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C337		ELECTROLYTIC CAP. 10UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C339		CERAMIC CAP.(AX) SL J 68PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C340		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C343		ELECTROLYTIC CAP. 470UF/10V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C344		FILM CAP.(P) 0.22UF/50V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C346		ELECTROLYTIC CAP. 100UF/10V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C347		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C349		CERAMIC CAP.(AX) B K 1000PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C401		CERAMIC CAP.(AX) F Z 0.047UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C402		CERAMIC CAP.(AX) Y N 0.022UF/6V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C403		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C404		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C405		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C406		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ELECTRICAL PARTS LIST

Pos.	▲ 12 NC	Description	14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39	
C407		CERAMIC CAP.(AX) Y N 0.022UF/6V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C408		CERAMIC CAP.(AX) F Z 0.047UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C409		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C410		CERAMIC CAP.(AX) F Z 0.047UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C411		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C412		CERAMIC CAP.(AX) Y N 0.022UF/6V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C413		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C414		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C415		CERAMIC CAP.(AX) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C416		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C417		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C418		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C419		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C420		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C421		CERAMIC CAP.(AX) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C423		ELECTROLYTIC CAP. 10UF/25V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C424		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C425		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C426		ELECTROLYTIC CAP. 220UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C427		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C428		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C429		ELECTROLYTIC CAP. 10UF/25V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C430		ELECTROLYTIC CAP. 22UF/16V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C432		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C433		CERAMIC CAP.(AX) B K 150PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C434		CERAMIC CAP.(AX) F Z 0.047UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C435		CERAMIC CAP.(AX) B K 220PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C436		ELECTROLYTIC CAP. 100UF/6.3V H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C437		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C438		CERAMIC CAP.(AX) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C439		ELECTROLYTIC CAP. 220UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C441		CERAMIC CAP.(AX) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C442		ELECTROLYTIC CAP. 10UF/25V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C443		CERAMIC CAP.(AX) B K 1000PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C444		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C445		CERAMIC CAP.(AX) SL J 68PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C446		CERAMIC CAP.(AX) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C447		CERAMIC CAP.(AX) SL J 68PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C448		ELECTROLYTIC CAP. 4.7UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C449		CERAMIC CAP.(AX) SL J 68PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C450		CERAMIC CAP.(AX) SL J 68PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C452		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C471		CERAMIC CAP.(AX) Y M 0.01UF/16V														1	1	1	1	
C472		CERAMIC CAP.(AX) Y M 0.01UF/16V														1	1	1	1	
C473		ELECTROLYTIC CAP. 1UF/50V M H7														1	1	1	1	
C474		ELECTROLYTIC CAP. 0.47UF/50V M H7														1	1	1	1	
C475		CERAMIC CAP.(AX) Y M 0.01UF/16V														1	1	1	1	
C478		ELECTROLYTIC CAP. 10UF/25V M H7														1	1	1	1	
C479		ELECTROLYTIC CAP. 0.47UF/50V M H7														1	1	1	1	
C484		CERAMIC CAP.(AX) Y M 0.01UF/16V														1	1	1	1	
C485		CERAMIC CAP.(AX) Y M 0.01UF/16V														1	1	1	1	
C486		ELECTROLYTIC CAP. 0.47UF/50V M H7														1	1	1	1	
C488		CERAMIC CAP.(AX) B K 820PF/50V														1	1	1	1	
C489		CERAMIC CAP.(AX) B K 820PF/50V														1	1	1	1	
C491		CERAMIC CAP.(AX) F Z 0.1UF/50V														1	1	1	1	
C493		ELECTROLYTIC CAP. 2.2UF/50V M H7														1	1	1	1	
C681		ELECTROLYTIC CAP. 10UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C682		ELECTROLYTIC CAP. 47UF/25V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C683		ELECTROLYTIC CAP. 100UF/16V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C684		CERAMIC CAP.(AX) B K 100PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C685		ELECTROLYTIC CAP. 47UF/25V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C687		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C701		ELECTROLYTIC CAP. 4.7UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C702		CERAMIC CAP.(AX) B K 330PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ELECTRICAL PARTS LIST

ELECTRICAL PARTS LIST			14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39	
			Pos.	▲ 12 NC	Description															
C751		ELECTROLYTIC CAP. 4.7UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C752		CERAMIC CAP.(AX) X M 6800PF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C753		ELECTROLYTIC CAP. 0.22UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C754		ELECTROLYTIC CAP. 470UF/10V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C755		ELECTROLYTIC CAP. 100UF/10V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C756		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C757		ELECTROLYTIC CAP. 0.47UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C758		ELECTROLYTIC CAP. 0.47UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C759		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C760		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C761		CERAMIC CAP.(AX) B K 1000PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C762		CERAMIC CAP.(AX) B K 270PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C767		ELECTROLYTIC CAP. 0.47UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C768		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C769		ELECTROLYTIC CAP. 470UF/10V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C773		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C774		CERAMIC CAP.(AX) SL J 68PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C775		CERAMIC CAP.(AX) SL J 68PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C776		CERAMIC CAP.(AX) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C777		CERAMIC CAP.(AX) B K 100PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C778		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C779		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C801		ELECTROLYTIC CAP. 330UF/16V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C802		ELECTROLYTIC CAP. 470UF/16V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C803		ELECTROLYTIC CAP. 10UF/25V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C804		ELECTROLYTIC CAP. 0.22UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C805		CERAMIC CAP.(AX) F Z 0.047UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C806		CERAMIC CAP.(AX) F Z 0.1UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C807		CERAMIC CAP.(AX) B K 330PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C809		CERAMIC CAP.(AX) B K 100PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C810		CERAMIC CAP.(AX) B K 100PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C811		CERAMIC CAP.(AX) F Z 0.047UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C813		FILM CAP.(P) 0.1UF/50V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C851		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C852		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C853		CERAMIC CAP. B K 470PF/500V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C854		FILM CAP.(P) 0.018UF/50V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C855		ELECTROLYTIC CAP. 220UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C856		CERAMIC CAP.(AX) X M 1800PF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C857		CERAMIC CAP.(AX) X M 1500PF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C858		ELECTROLYTIC CAP. 4.7UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C859		CERAMIC CAP.(AX) SL J 33PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C860		ELECTROLYTIC CAP. 10UF/25V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C861		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C862		ELECTROLYTIC CAP. 33UF/10V H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C863		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C864		CERAMIC CAP.(AX) Y N 0.022UF/6V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C865		ELECTROLYTIC CAP. 4.7UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C866		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C867		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C869		ELECTROLYTIC CAP. 1UF/50V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C870		CERAMIC CAP.(AX) Y M 0.01UF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C871		ELECTROLYTIC CAP. 47UF/6.3V M H7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C872		CERAMIC CAP.(AX) B K 150PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C874		CERAMIC CAP.(AX) B K 220PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C875		CERAMIC CAP.(AX) X M 4700PF/16V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C876		CERAMIC CAP.(AX) Y N 0.022UF/6V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C877		CERAMIC CAP.(AX) Y N 0.022UF/6V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CL301A	9965 000 13836	LEAD WIRE 4P/300	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CL302A	9965 000 14387	LEAD WIRE 7P/200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CL603A	9965 000 13838	LEAD WIRE 15P(7+8)/330	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CL702A	9965 000 14388	WIRE 140/BRO/AWG18#1007	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CONNECTORS																				
CN201	9965 000 13840	FFC/FPC CONNECTOR 12P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ELECTRICAL PARTS LIST

Pos.	▲ 12 NC	Description	14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39	
R209		CARBON RES. 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R210		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R211		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R212		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R213		CARBON RES. 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R214		CARBON RES. 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R215		CARBON RES. 1/6W G 4.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R216		CARBON RES. 1/6W G 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R217		CARBON RES. 1/6W G 22K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R218		CARBON RES. 1/6W G 470 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R219		CARBON RES. 1/6W G 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R220		CARBON RES. 1/6W G 3.6K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R221		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R222		CARBON RES. 1/4W J 390K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R223		CARBON RES. 1/6W J 270 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R224		CARBON RES. 1/6W J 560 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R225		CARBON RES. 1/6W J 330 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R226		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R227		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R228		CARBON RES. 1/6W J 680 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R229		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R231		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1					
R232		CARBON RES. 1/4W J 10K OHM															1	1	1	1
R233		CARBON RES. 1/4W J 10K OHM															1	1	1	1
R234		CARBON RES. 1/6W J 47 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R236		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R238		CARBON RES. 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R239		CARBON RES. 1/4W J 100K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R240		CARBON RES. 1/4W J 330K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R241		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R242		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R245		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R246		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R247		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R248		CARBON RES. 1/6W J 470 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R249		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R250		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R257		CARBON RES. 1/6W J 220 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R258		CARBON RES. 1/6W J 220 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R259		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R260		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R261		CARBON RES. 1/4W J 5.6K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R262		CARBON RES. 1/4W J 5.6K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R263		CARBON RES. 1/4W J 68K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R264		CARBON RES. 1/4W J 220K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R265		CARBON RES. 1/4W J 33K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R268		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R269		CARBON RES. 1/4W J 100K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R270		CARBON RES. 1/6W J 680 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R271		CARBON RES. 1/4W J 1.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R273		CARBON RES. 1/4W J 6.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R274		CARBON RES. 1/4W J 1M OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R275		METAL OXIDE FILM RES. 1W J 2.2 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R276		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R277		CARBON RES. 1/4W J 5.6K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R283		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R284		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R285		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R302		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R303		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R304		CARBON RES. 1/4W J 6.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R305		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R306		CARBON RES. 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R307		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ELECTRICAL PARTS LIST

Pos.	▲ 12 NC	Description	14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39	
R309		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R310		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R311		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R312		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R313		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R314		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R315		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R316		CARBON RES. 1/6W J 12 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R318		CARBON RES. 1/4W J 220K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R319		CARBON RES. 1/4W J 4.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R320		CARBON RES. 1/4W J 150K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R321		CARBON RES. 1/4W J 15K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R322		CARBON RES. 1/4W J 220K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R323		CARBON RES. 1/4W J 6.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R325		CARBON RES. 1/4W J 1M OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R327		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R328		CARBON RES. 1/6W J 220 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R329		CARBON RES. 1/4W J 3.9K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R334		CARBON RES. 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R335		CARBON RES. 1/4W J 18K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R336		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R337		CARBON RES. 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R338		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R352		CARBON RES. 1/6W J 22 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R353		CARBON RES. 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R391		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R392		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R393		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R400		CARBON RES. 1/4W J 4.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R401		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R402		CARBON RES. 1/4W J 8.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R405		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R406		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R407		CARBON RES. 1/4W J 6.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R408		CARBON RES. 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R409		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R410		CARBON RES. 1/4W J 18K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R411		CARBON RES. 1/4W J 4.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R412		CARBON RES. 1/4W J 18K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R413		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R414		CARBON RES. 1/4W J 3.3K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R415		CARBON RES. 1/4W J 6.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R416		CARBON RES. 1/4W J 4.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R417		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R420		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R421		CARBON RES. 1/4W J 56K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R424		CARBON RES. 1/4W J 1.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R425		CARBON RES. 1/6W J 220 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R426		CARBON RES. 1/6W J 330 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R427		CARBON RES. 1/6W J 330 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R428		CARBON RES. 1/6W J 220 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R429		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R430		CARBON RES. 1/6W J 680 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R431		CARBON RES. 1/4W J 390K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R437		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R471		PCB JUMPER D0.6-P5.0															1	1	1	1
R473		CARBON RES. 1/4W J 2.2K OHM															1	1	1	1
R475		CARBON RES. 1/4W J 2.7K OHM															1	1	1	1
R476		CARBON RES. 1/4W J 1.8K OHM															1	1	1	1
R680		METAL OXIDE FILM RES. 2W J 47 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R681		METAL OXIDE FILM RES. 2W J 47 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R682		METAL OXIDE FILM RES. 1W J 5.6 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R683		METAL OXIDE FILM RES. 2W J 2.2 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R684		CARBON RES. 1/6W J 10 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ELECTRICAL PARTS LIST

Pos.	▲ 12 NC	Description																	
			14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39
R685		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R686		METAL OXIDE FILM RES. 2W J 2.2 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R687		CARBON RES. 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R688		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R701		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R702		CARBON RES. 1/4W J 100K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R703		CARBON RES. 1/6W J 75 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R704		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R750		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R751		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R752		CARBON RES. 1/4W J 100K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R753		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R754		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R755		CARBON RES. 1/4W J 4.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R756		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R757		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R758		CARBON RES. 1/6W J 75 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R759		CARBON RES. 1/6W J 390 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R760		CARBON RES. 1/6W J 75 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R761		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R762		CARBON RES. 1/4W J 3.3K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R763		CARBON RES. 1/6W J 750 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R766		CARBON RES. 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R767		CARBON RES. 1/4W J 33K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R768		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R770		CARBON RES. 1/4W J 1.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R771		CARBON RES. 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R772		CARBON RES. 1/4W J 33K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R774		CARBON RES. 1/4W J 1.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R775		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R777		CARBON RES. 1/4W J 1.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R778		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R779		CARBON RES. 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R780		CARBON RES. 1/4W J 33K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R787		CARBON RES. 1/4W J 6.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R788		CARBON RES. 1/4W J 6.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R789		CARBON RES. 1/4W J 6.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R790		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R791		CARBON RES. 1/6W J 75 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R792		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R793		CARBON RES. 1/6W J 75 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R794		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R795		CARBON RES. 1/6W J 75 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R796		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R797		CARBON RES. 1/4W J 4.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R798		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R799		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R801		FIXED METAL OXIDE FILM RES. 1W J 12 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R802		CARBON RES. 1/6W J 10 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R803		CARBON RES. 1/4W J 5.6K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R804		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R805		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R806		CARBON RES. 1/6W J 47 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R807		CARBON RES. 1/6W J 47 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R810		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R812		CARBON RES. 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R814		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R815		CARBON RES. 1/4W J 470K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R816		CARBON RES. 1/6W J 560 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R817		CARBON RES. 1/6W J 560 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R818		CARBON RES. 1/6W J 560 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R819		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R820		CARBON RES. 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ELECTRICAL PARTS LIST			14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39	
			Pos.	▲ 12 NC	Description															
R821		CARBON RES. 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R822		CARBON RES. 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R823		CARBON RES. 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R824		CARBON RES. 1/6W J 75 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R825		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R826		CARBON RES. 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R828		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R829		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R830		CARBON RES. 1/4W J 220K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R831		CARBON RES. 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R834		CARBON RES. 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R835		CARBON RES. 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R836		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R851		CARBON RES. 1/4W J 5.6K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R852		CARBON RES. 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R853		CARBON RES. 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R854		CARBON RES. 1/6W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R855		CARBON RES. 1/6W J 820 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R856		CARBON RES. 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R857		CARBON RES. 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R859		CARBON RES. 1/6W J 680 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R860		CARBON RES. 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R861		CARBON RES. 1/6W J 120 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R862		CARBON RES. 1/4W J 330K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R863		CARBON RES. 1/4W J 12K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R864		CARBON RES. 1/4W J 1.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R865		CARBON RES. 1/4W J 12K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R866		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R867		CARBON RES. 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R868		CARBON RES. 1/4W J 4.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R871		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R872		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R874		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R875		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R876		CARBON RES. 1/4W J 5.6K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R877		CARBON RES. 1/4W J 12K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R878		CARBON RES. 1/4W J 1M OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R879		CARBON RES. 1/6W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
RS201	9965 000 10857	REMOTE RECEIVER MIM-93M6DKF	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SWITCHES																				
SW201	9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW202	9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW203	9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW204	9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW205	9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW206	9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW207	9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW208	9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW209	9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW210	9965 000 14390	TACT SWITCH SKQNAED010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW211	9965 000 12285	LEAF SWITCH LSA-1142AU	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW212	9965 000 08561	ROTARY MODE SWITCH SSS-43MD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MISCELLANEOUS																				
TB3	9965 000 13865	HEAD SHIELD T6300RA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TB7	9965 000 13866	LED HOLDER T6300RA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TB21	9965 000 08566	BUSH, LED(F) H3700UD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TB31	9965 000 13867	HEAD SHIELD COVER T6300RA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TB3-1	9965 000 13868	HEAD SHIELD T6300RA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TB3-2	9965 000 13870	EARTH PLATE S T6300RA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TP001		PCB JUMPER D0.6-P12.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TP002		PCB JUMPER D0.6-P10.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TP003		PCB JUMPER D0.6-P12.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TP004		PCB JUMPER D0.6-P10.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TP006		PCB JUMPER D0.6-P10.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ELECTRICAL PARTS LIST

ELECTRICAL PARTS LIST			14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39		
Pos.	▲ 12 NC	Description																			
TP007		PCB JUMPER D0.6-P10.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
X201	9965 000 09200	X'TAL 32.768KHZ(20PPM)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
X202	9965 000 12194	X'TAL 12.000MHZ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
X301	9965 000 13869	X'TAL 4.433619MHZ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
X401	9965 000 05629	X'TAL 4.433619MHZ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Z7		SCOTCH TAPE 10X15 T5100UA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8000	3143 021 00031	EARTH CABLE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5000	3143 021 00011	COIL DEGAUS FUNAI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8016	2422 070 98218	MAINSCORD UK 5A 1M8 BK B					1	1	1	1	1										
8016	2422 070 98211	MAINSCORD EUR 2A5 1M7 BK B	1	1	1	1						1	1	1	1	1	1	1	1	1	
1006	2422 542 90134	TUN IF V+U PLL IEC BGDKIL B										1	1	1	1						
1006	2422 542 90131	TUN IF V+U PLL IEC BGDKI B	1	1	1	1	1	1	1	1	1					1	1	1	1	1	
JUNCTION A CBA																					
CN603	9965 000 13871	CONNECTOR, 15P TUC-P15X-B1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
JUNCTION B CBA																					
CN302	9965 000 13872	CONNECTOR, 7P TUC-P07X-B1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
JUNCTION C CBA																					
CN301	9965 000 05261	CONNECTOR 4P TUC-P04X-B1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SENSOR CBA																					
Q201	9965 000 08630	PHOTO TRANSISTOR PT204-6B-12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Q202	9965 000 08630	PHOTO TRANSISTOR PT204-6B-12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
POWER CBA																					
Consists of the following																					
H.V./POWER SUPPLY CBA																					
CRT CBA																					
JUNCTION D CBA																					
JUNCTION E CBA																					
H.V./POWER SUPPLY CBA																					
COILS																					
BC571	9965 000 13874	BEAD INDUCTORS FBA04HA600VB-00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BC602	9965 000 13875	BEAD INDUCTORS FBR07HA121TB-00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BC603	9965 000 13875	BEAD INDUCTORS FBR07HA121TB-00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BC604	9965 000 13875	BEAD INDUCTORS FBR07HA121TB-00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BC605		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BC606		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
CAPACITORS																					
C552		FILM CAP.(P) 0.047UF/50V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C553		ELECTROLYTIC CAP. 2.2UF/50V M LL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C555		ELECTROLYTIC CAP. 47UF/25V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C556		ELECTROLYTIC CAP. 1000UF/25V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C558		CERAMIC CAP.(AX) B K 0.01UF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C559		ELECTROLYTIC CAP. 330UF/35V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C562		ELECTROLYTIC CAP. 10UF/160V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C571		P.P. CAP 0.18UF/200V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C572		P.P. CAP 0.15UF/200V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C574		ELECTROLYTIC CAP. 4.7UF/250V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C577		FILM CAP.(P) 0.01UF/50V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C578		ELECTROLYTIC CAP. 47UF/25V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C580		P.P. CAP 0.0082UF/1.6K J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C581		CERAMIC CAP. BN 680PF/2KV	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C584		ELECTROLYTIC CAP. 1UF/160V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C591		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C592		ELECTROLYTIC CAP. 22UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C604	▲ 9965 000 14279	SAFETY CAP. 2200PF/250V KX	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C607	▲ 9965 000 14280	METALLIZED FILM CAP. 0.1UF/250V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C608	▲ 9965 000 14280	METALLIZED FILM CAP. 0.1UF/250V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C609		CERAMIC CAP. F Z 0.01UF/500V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C610		CERAMIC CAP. F Z 0.01UF/500V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C611		CERAMIC CAP. F Z 0.01UF/500V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C612		CERAMIC CAP. F Z 0.01UF/500V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C613		ELECTROLYTIC CAP. 100UF/400V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C614		FILM CAP.(P) 0.082UF/50V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C615		CERAMIC CAP. BN J 220PF/2KV	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C616		FILM CAP.(P) 0.001UF/50V J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

ELECTRICAL PARTS LIST

ELECTRICAL PARTS LIST			14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39	
Pos.	▲ 12 NC	Description																		
D646	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
D647	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
D648	9965 000 11153	ZENER DIODE MTZJT-778.2B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
D649	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
D650	9965 000 13889	ZENER DIODE MTZJT-7724B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
D651	4822 130 32778	SWITCHING DIODE 1SS133(T-77)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
F601	▲ 9965 000 13890	FUSE 4A/250V 215004	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FH601	4822 256 10461	FUSE HOLDER MSF-015	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FH602	4822 256 10461	FUSE HOLDER MSF-015	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IC's																				
IC551	9965 000 13891	VERTICAL OUTPUT IC AN5522	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IC601	▲ 9965 000 13892	PHOTO COUPLER LTV817MBF	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
COILS																				
L572	9965 000 13893	INDUCTOR 100UH-J-26T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L601	9965 000 13894	LINE FILTER ELF15N007A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L602	9965 000 13894	LINE FILTER ELF15N007A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L603		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L604		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L605	9965 000 05627	CHOKO COIL 47UH-K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PB1	9965 000 13895	POWER PCB HOLDER T6300RA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PB4	9965 000 13823	13V H/V HEAT SINK(PDX) T5100UA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PB5	9965 000 13824	13VPOW HEAT SINK PFD ASSEMBLY T5200UA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PL1	9965 000 08646	SCREW, P-TIGHT 3X12 WASHER HEAD+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PL2	9965 000 12171	SCREW, B-TIGHT M3X8 BIND HEAD+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PS602	9965 000 13896	THERMISTOR ZPB31BL9R0A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TRANSISTORS																				
Q571	9965 000 13897	TRANSISTOR TT2084LS-YB11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q572	9965 000 13899	TRANSISTOR 2SC1627Y-TPE2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q591	9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q601	9965 000 13901	MOS FET 2SK2647	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q602	4822 130 42292	TRANSISTOR 2SC2120-Y(TPE2)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q611	9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q612	9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q613	9965 000 13900	TRANSISTOR 2SA950(O)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q614	9965 000 05643	TRANSISTOR 2SC2785(F)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q616	4822 130 42292	TRANSISTOR 2SC2120-Y(TPE2)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q617	4822 130 42292	TRANSISTOR 2SC2120-Y(TPE2)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q619	4822 130 10145	RES. BUILT-IN TRANSISTOR KRA103M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
RESISTORS																				
R551		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R552		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R556		CARBON RES. 1/4W J 4.7 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R557		CARBON RES. 1/4W J 270 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R558		CARBON RES. 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R559		CARBON RES. 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R560		CARBON RES. 1/4W J 3.9K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R561		CARBON RES. 1/4W J 8.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R562		CARBON RES. 1/4W J 5.6 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R563		CARBON RES. 1/4W J 5.6 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R565		CARBON RES. 1/4W J 3.9 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R566		CARBON RES. 1/4W J 3.9 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R567		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R570		CARBON RES. 1/4W J 3.9 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R573		CARBON RES. 1/4W J 470 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R574		METAL OXIDE FILM RES. 2W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R575		METAL OXIDE FILM RES. 2W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R576		CARBON RES. 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R577		CARBON RES. 1/4W J 560 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R578		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R579		METAL OXIDE FILM RES. 2W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R581		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R583		METAL OXIDE FILM RES. 1W J 1.8 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R584		CARBON RES. 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ELECTRICAL PARTS LIST			14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39	
Pos.	▲ 12 NC	Description																		
R585		CARBON RES. 1/4W J 8.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R586		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R587		CARBON RES. 1/4W J 100K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R588		CARBON RES. 1/4W J 100K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R590		METAL OXIDE FILM RES. 2W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R591		CARBON RES. 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R592		CARBON RES. 1/4W J 180K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R593		CARBON RES. 1/4W J 56K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R594		CARBON RES. 1/4W J 56K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R595		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R596		CARBON RES. 1/4W J 2.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R597		CARBON RES. 1/4W J 8.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R598		CARBON RES. 1/4W J 22K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R599		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R601		ANTI-SURGE RESISTOR 1/2W J 3.3M OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R602	▲ 9965 000 14277	CEMENT RESISTOR 5W 1.8 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R603	▲ 9965 000 14278	CEMENT RES. 5W K 0.68 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1					
R604		CARBON RES. 1/4W J 22 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R605		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R606		CARBON RES. 1/4W J 1.5M OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R607		CARBON RES. 1/4W J 1.5M OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R609		CARBON RES. 1/4W J 1.5M OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R611		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R612		CARBON RES. 1/4W J 470K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R613		CARBON RES. 1/4W J 180 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R614		CARBON RES. 1/4W J 220 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R617		CARBON RES. 1/4W J 1K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R618		CARBON RES. 1/4W J 56 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R620		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R621		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R625		CARBON RES. 1/4W J 180 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R626		CARBON RES. 1/4W 2.2 OHM J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R628		CARBON RES. 1/4W J 560 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R629		CARBON RES. 1/4W J 5.6K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R630		CARBON RES. 1/4W J 33K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R631		CARBON RES. 1/4W J 39K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R632		CARBON RES. 1/4W J 39K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R633		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R634		CARBON RES. 1/4W J 15K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R635		CARBON RES. 1/4W J 15K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R636		CARBON RES. 1/4W J 6.8K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R637		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R638		CARBON RES. 1/4W J 220 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R639		CARBON RES. 1/4W J 270 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R640		CEMENT RES. 5W K 3.3K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R641		CARBON RES. 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R642		CARBON RES. 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R643		CARBON RES. 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R644		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R645		CARBON RES. 1/4W J 1.2K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R646		CARBON RES. 1/4W J 47K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R647		CARBON RES. 1/4W J 2.7K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R648		CARBON RES. 1/4W J 5.6K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R649		CARBON RES. 1/4W J 10K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R650		CARBON RES. 1/4W J 56K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R651		METAL OXIDE FILM RES. 2W J 680 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R652		CARBON RES. 1/4W J 220 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R659		CARBON RES. 1/4W J 15 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R660		CARBON RES. 1/4W J 390 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R662		CARBON RES. 1/4W J 100 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R663		METAL OXIDE FILM RES. 2W J 33 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R664		CARBON RES. 1/4W J 5.6K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R668		CARBON RES. 1/4W J 220 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R669		ANTI-SURGE RESISTOR 1/2W J 3.3M OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ELECTRICAL PARTS LIST

ELECTRICAL PARTS LIST			14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39	
Pos.	▲ 12 NC	Description																		
R670		ANTI-SURGE RESISTOR 1/2W J 3.3M OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MISCELLANEOUS																				
SA601	▲ 9965 000 13898	SURGE ABSORBER PVR-07D471KB	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW601	▲ 9965 000 13902	POWER SWITCH SDKVA30100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T571	9965 000 13903	FLYBACK TRANS BSC21-2016S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T572	9965 000 13904	HORIZONTAL DRIVE TRANS LP2-005	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T601	▲ 9965 000 13905	SWITCHING TRANS 17711-S03	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TM601	▲	TAB 42018	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TM602	▲	TAB 42018	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TP501		PCB JUMPER D0.6-P15.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TP502		PCB JUMPER D0.6-P10.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TP503		PCB JUMPER D0.6-P7.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TP504		PCB JUMPER D0.6-P10.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
VR601	9965 000 13906	CARBON P.O.T. 10K OHM B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1100		CRT A34EAC01X71 (PHCO) B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CRT CBA																				
CAPACITORS																				
C501		CERAMIC CAP.(AX) B K 220PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C502		CERAMIC CAP.(AX) B K 220PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C503		CERAMIC CAP.(AX) B K 220PF/50V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C507		ELECTROLYTIC CAP. 1UF/50V M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C510	9965 000 13909	CERAMIC CAP. B K 1000PF/2KV	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CONNECTORS																				
CL501A	9965 000 13910	LEAD WIRE 3P/280	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CN501	9965 000 13911	PIN CONNECTOR 005P-5100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CN503	9965 000 13912	CONNECTOR BASE, 7P TUC-P07P-B1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CN504	9965 000 05247	CONNECTOR BASE 4P TUC-P04P-B1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
JK501	9965 000 13913	CRT SOCKET ISMS01S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L501		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L505	9965 000 05627	CHOKO COIL 47UH-K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TRANSISTORS																				
Q501	4822 130 60578	TRANSISTOR 2SC2482 TPE6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q502	4822 130 60578	TRANSISTOR 2SC2482 TPE6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Q503	4822 130 60578	TRANSISTOR 2SC2482 TPE6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
RESISTORS																				
R501		METAL OXIDE FILM RES. 1W J 15K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R502		METAL OXIDE FILM RES. 1W J 15K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R503		METAL OXIDE FILM RES. 1W J 15K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R504		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R505		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R506		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R507		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R508		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R509		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R510		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R511		CARBON RES. 1/4W J 120K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R512		CARBON RES. 1/4W J 120K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R513		CARBON RES. 1/4W J 120K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R514		CARBON RES. 1/4W J 1.5K OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R515		PCB JUMPER D0.6-P5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R516		CARBON RES. 1/4W J 15 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R517		CARBON RES. 1/4W J 560 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R518		CARBON RES. 1/4W J 15 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R519		CARBON RES. 1/4W J 560 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R520		CARBON RES. 1/4W J 15 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R521		CARBON RES. 1/4W J 560 OHM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
JUNCTION D CBA																				
CN505	9965 000 05261	CONNECTOR 4P TUC-P04X-B1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CL505A	9965 000 13914	WIRE 250/BRO/AWG18#1007	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
JUNCTION E CBA																				
CN506	9965 000 05261	CONNECTOR 4P TUC-P04X-B1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CL506	9965 000 13915	WIRE 240/BRO/AWG18#1007	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TEXT CBA																				
CAPACITORS																				

ELECTRICAL PARTS LIST

ELECTRICAL PARTS LIST			14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV11/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39	
Pos.	▲ 12 NC	Description																		
C901		CERAMIC CAP.(AX) F Z 0.1UF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C902		CERAMIC CAP.(AX) F Z 0.1UF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C904		CERAMIC CAP.(AX) B K 100PF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C905		STACKED FILM CAP. 0.47UF/50V J		1	1				1	1	1	1	1	1	1	1	1	1	1	
C906		ELECTROLYTIC CAP. 22UF/16V M		1	1				1	1	1	1	1	1	1	1	1	1	1	
C908		ELECTROLYTIC CAP. 10UF/50V M		1	1				1	1	1	1	1	1	1	1	1	1	1	
C909		CERAMIC CAP.(AX) F Z 0.1UF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C910		CERAMIC CAP.(AX) F Z 0.1UF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C911		ELECTROLYTIC CAP. 10UF/50V M		1	1				1	1	1	1	1	1	1	1	1	1	1	
C912		CERAMIC CAP.(AX) B K 330PF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C914		CERAMIC CAP.(AX) F Z 0.1UF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C915		CERAMIC CAP.(AX) F Z 0.1UF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C916		CERAMIC CAP.(AX) Y N 0.022UF/6V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C917		CERAMIC CAP.(AX) SL J 33PF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C918		CERAMIC CAP.(AX) SL J 33PF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C919		CERAMIC CAP.(AX) F Z 0.1UF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C920		CERAMIC CAP.(AX) Y N 0.022UF/6V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C921		CERAMIC CAP.(AX) Y M 0.01UF/16V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C922		ELECTROLYTIC CAP. 10UF/50V M		1	1				1	1	1	1	1	1	1	1	1	1	1	
C923		CERAMIC CAP.(AX) Y M 0.01UF/16V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C924		ELECTROLYTIC CAP. 10UF/50V M		1	1				1	1	1	1	1	1	1	1	1	1	1	
C925		ELECTROLYTIC CAP. 100UF/10V M		1	1				1	1	1	1	1	1	1	1	1	1	1	
C926		CERAMIC CAP.(AX) F Z 0.1UF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C927		CERAMIC CAP.(AX) F Z 0.1UF/50V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C928		CERAMIC CAP.(AX) Y M 0.01UF/16V		1	1				1	1	1	1	1	1	1	1	1	1	1	
C929		ELECTROLYTIC CAP. 100UF/10V M		1	1				1	1	1	1	1	1	1	1	1	1	1	
C930		CERAMIC CAP.(AX) Y M 0.01UF/16V		1	1				1	1	1	1	1	1	1	1	1	1	1	
CONNECTORS																				
CN901	9965 000 13916	CONNECTOR 8P TUC-P08X-B1		1	1				1	1	1	1	1	1	1	1	1	1	1	
CN902	9965 000 13917	CONNECTOR, 6P TUC-P06X-B1		1	1				1	1	1	1	1	1	1	1	1	1	1	
D901		PCB JUMPER D0.6-P5.0		1	1				1	1	1	1	1	1	1	1	1	1	1	
D902		PCB JUMPER D0.6-P5.0		1	1				1	1	1	1	1	1	1	1	1	1	1	
D903		PCB JUMPER D0.6-P5.0		1	1				1	1	1	1	1	1	1	1	1	1	1	
D904		PCB JUMPER D0.6-P5.0		1	1				1	1	1	1	1	1	1	1	1	1	1	
DIODES																				
D908	4822 130 32778	SWITCHING DIODE 1SS133(T-77)		1	1				1	1	1	1	1	1	1	1	1	1	1	
D909	9965 000 01155	ZENER DIODE MTZJT-773.9B		1	1				1	1	1	1	1	1	1	1	1	1	1	
D910	4822 130 32778	SWITCHING DIODE 1SS133(T-77)		1	1				1	1	1	1	1	1	1	1	1	1	1	
D911	4822 130 32778	SWITCHING DIODE 1SS133(T-77)		1	1				1	1	1	1	1	1	1	1	1	1	1	
D912	4822 130 11629	ZENER DIODE MTZJT-776.8B		1	1				1	1	1	1	1	1	1	1	1	1	1	
IC's																				
IC901	9965 000 13918	IC:TEXT 1PAGE ET-TV7031A		1	1				1	1	1	1	1	1	1	1	1	1	1	
IC902	9965 000 13851	VOLTAGE REGULATOR KIA7805API		1	1				1	1	1	1	1	1	1	1	1	1	1	
TRANSISTORS																				
Q901	9965 000 05643	TRANSISTOR 2SC2785(F)		1	1				1	1	1	1	1	1	1	1	1	1	1	
Q903	4822 130 42292	TRANSISTOR 2SC2120-Y(TPE2)		1	1				1	1	1	1	1	1	1	1	1	1	1	
Q904	9965 000 05643	TRANSISTOR 2SC2785(F)		1	1				1	1	1	1	1	1	1	1	1	1	1	
RESISTORS																				
R901		CARBON RES. 1/4W J 2.2K OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R902		CARBON RES. 1/4W J 2.2K OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R903		CARBON RES. 1/4W J 10K OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R904		CARBON RES. 1/4W J 220 OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R905		CARBON RES. 1/4W J 4.7K OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R906		CARBON RES. 1/4W J 12K OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R907		CARBON RES. 1/4W J 12K OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R908		CARBON RES. 1/4W J 12K OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R913		CARBON RES. 1/4W J 1.5K OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R914		CARBON RES. 1/4W J 100 OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R915		CARBON RES. 1/4W J 150 OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R916		PCB JUMPER D0.6-P5.0		1	1				1	1	1	1	1	1	1	1	1	1	1	
R917		CARBON RES. 1/4W J 100 OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R919		PCB JUMPER D0.6-P5.0		1	1				1	1	1	1	1	1	1	1	1	1	1	
R920		CARBON RES. 1/4W J 100K OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	
R921		CARBON RES. 1/4W J 47 OHM		1	1				1	1	1	1	1	1	1	1	1	1	1	

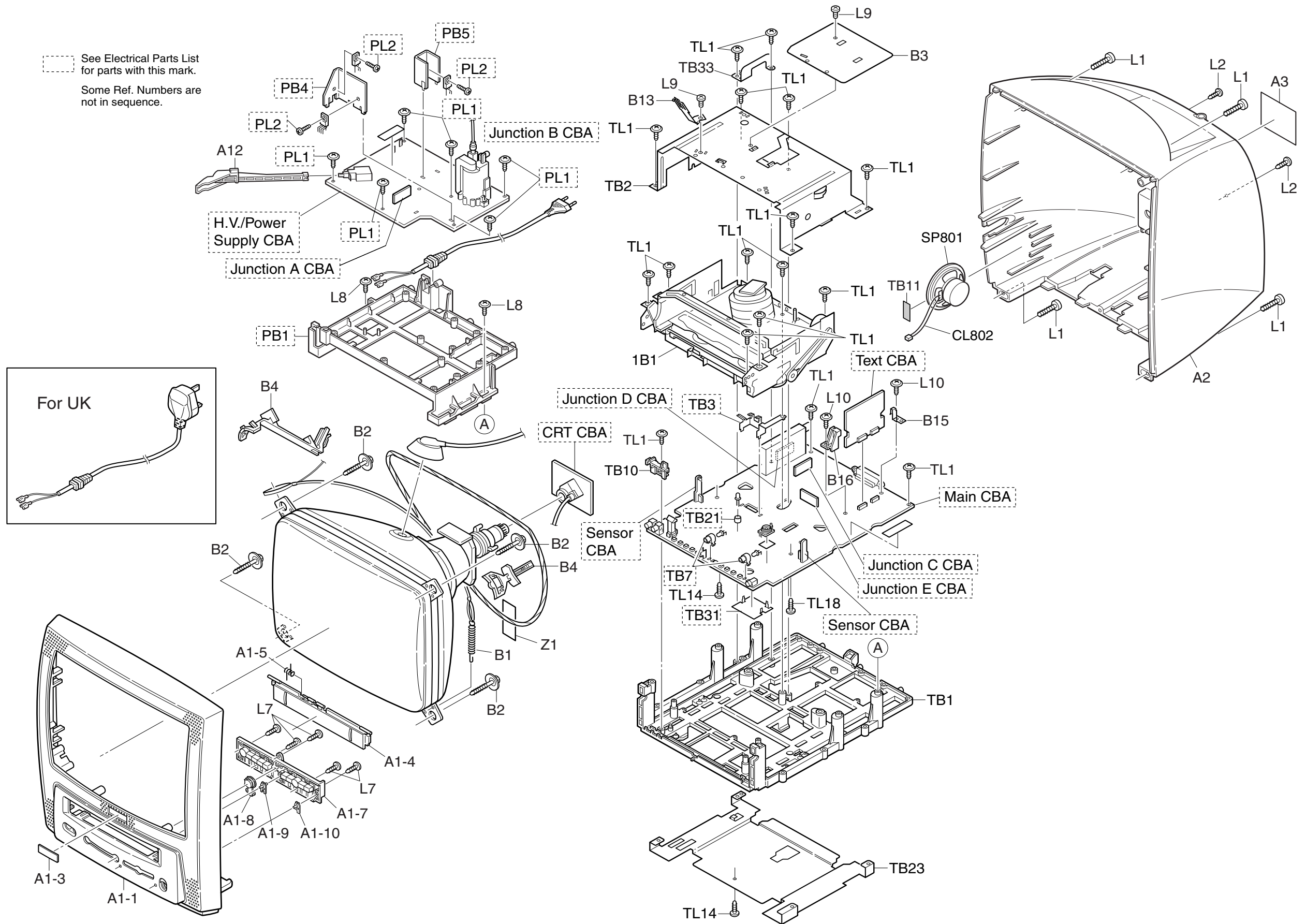
ELECTRICAL PARTS LIST

ELECTRICAL PARTS LIST			14PV111/01	14PV203/01	14PV415/01	14PV460/01	14PV111/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV111/58	14PV203/58	14PV415/58	14PV460/58	14PV112/39	14PV203/39	14PV415/39	14PV460/39
Pos.	▲ 12 NC	Description																	
R922		PCB JUMPER D0.6-P5.0		1	1				1		1		1		1		1		1
R923		PCB JUMPER D0.6-P5.0		1	1				1		1		1		1		1		1
R930		CARBON RES. 1/4W J 100 OHM		1	1				1		1		1		1		1		1
R931		CARBON RES. 1/4W J 150 OHM		1	1				1		1		1		1		1		1
R932		CARBON RES. 1/4W J 15K OHM		1	1				1		1		1		1		1		1
R933		CARBON RES. 1/4W J 15K OHM		1	1				1		1		1		1		1		1
R934		CARBON RES. 1/4W J 15K OHM		1	1				1		1		1		1		1		1
R936		CARBON RES. 1/4W J 220 OHM		1	1				1		1		1		1		1		1
R937		CARBON RES. 1/4W J 22K OHM		1	1				1		1		1		1		1		1
R940		PCB JUMPER D0.6-P5.0		1	1				1		1		1		1		1		1
X901	9965 000 13919	X'TAL :13.875MHZ CSA-309		1	1				1		1		1		1		1		1
PL2	9965 000 12171	SCREW, B-TIGHT M3X8 BIND HEAD+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PL2	9965 000 12171	SCREW, B-TIGHT M3X8 BIND HEAD+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

[14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

Cabinet

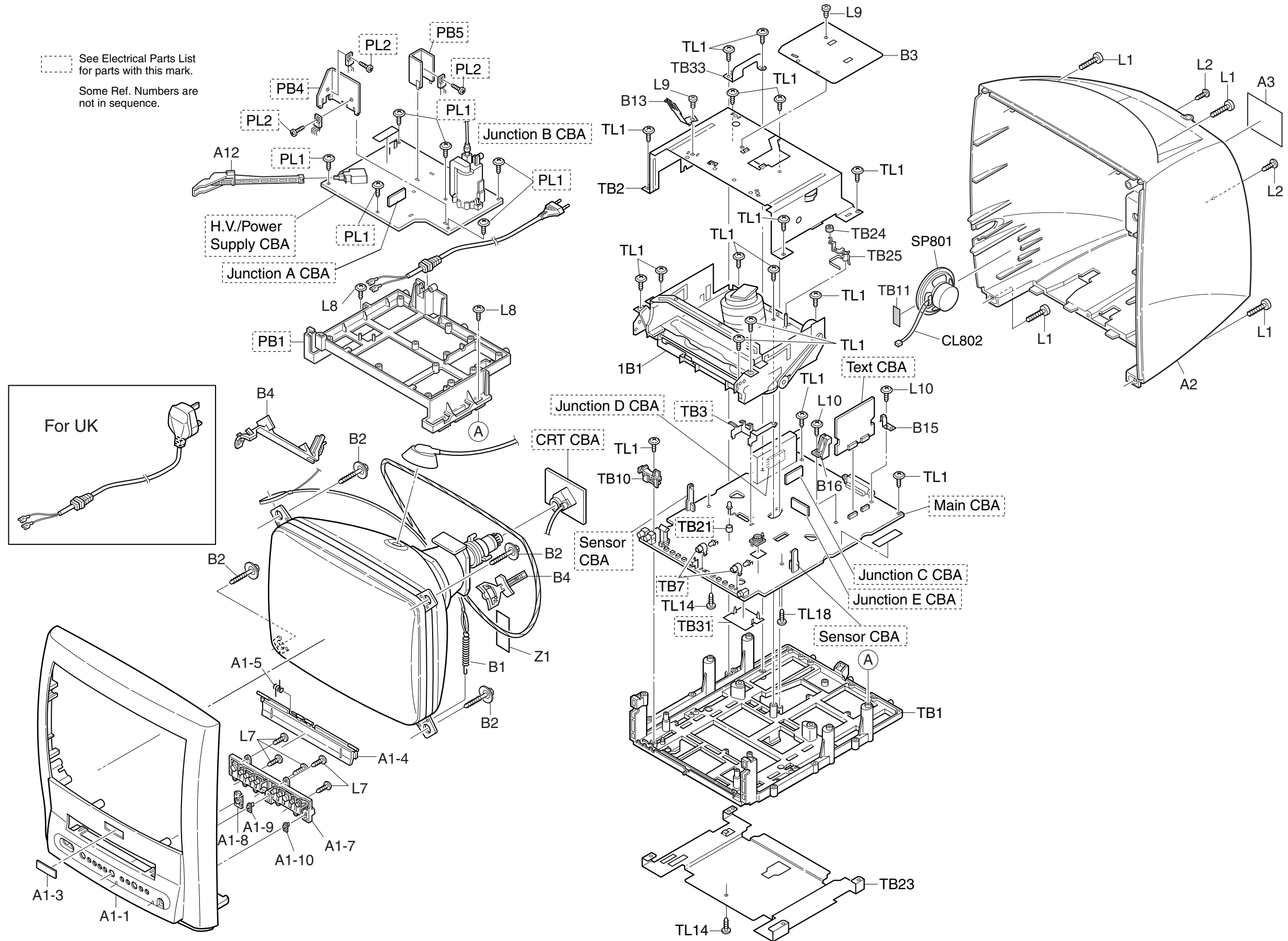
See Electrical Parts List for parts with this mark.
Some Ref. Numbers are not in sequence.



[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58)]

Cabinet

See Electrical Parts List for parts with this mark.
Some Ref. Numbers are not in sequence.



PRODUCT SAFETY NOTE: Products marked with a ___

have special characteristics important to safety.
 Before replacing any of these components, read carefully
 the product safety notice in this service manual.
 Don't degrade the safety of the product through improper
 servicing.

***)Note:**

Pos.1 consists of A1-1 A1-8
 A1-3 A1-9
 A1-4 A1-10
 A1-5 L7
 A1-7

MECHANICAL PARTS LIST				14PV111/01	14PV203/01	14PV415/01	14PV460/01	14PV111/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV112/39	14PV203/39	14PV415/39	14PV460/39	14PV111/58	14PV203/58	14PV415/58	14PV460/58
Pos.	Pos. Expl. View	▲ 12 NC	Description																	
1	*)	3143 027 60171	FRONT ASSY 14PV112/39										1							
1	*)	3143 027 60041	FRONT ASSY 14PV203/01/07/58		1					1								1		
1	*)	3143 027 60181	FRONT ASSY 14PV415/01/07/58			1					1									1
1	*)	3143 027 60191	FRONT ASSY 14PV415/39												1					
1	*)	3143 027 60111	FRONT ASSY 14PV460/01/07/58				1					1								1
1	*)	3143 027 60021	FRONT ASSY 14PV111/01/07/58	1				1										1		
1	*)	3143 027 60161	FRONT ASSY 14PV112/07						1											
1	*)	3143 027 60051	FRONT ASSY 14PV203/39											1						
1	*)	3143 027 60121	FRONT ASSY 14PV460/39													1				
1	*)	3143 027 50231	FRONT CAB PH01 LIGHT GREY			1	1				1	1			1	1			1	1
1	*)	3143 027 50011	FRONT CAB (A) BL 80007	1				1									1			
1	*)	3143 027 50211	FRONT CAB (A) GR PH001		1				1	1			1	1				1		
11	A1-3		WORDMARK PHILIPS		1				1	1			1	1				1		
11	A1-3		WORDMARK 14" 17" PLASTIC	1				1									1			
11	A1-3		WORDMARK PHILIPS			1	1				1	1			1	1			1	1
5	A1-4		CASSETTE DOOR (A) BL 80007	1				1									1			
5	A1-4		CASSETTE DOOR (A) GR PH001		1				1	1			1	1				1		
5	A1-4		CASSETTE DOOR PH01 LIGHT GREY			1	1				1	1			1	1			1	1
6	A1-5		LEG SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	A1-8		LED LENS A (C)	1	1			1	1	1			1	1			1	1		
7	A1-8		LED LENS B (C)			1	1				1	1			1	1			1	1
8	A1-9		LED LENS A (R)	1	1			1	1	1			1	1			1	1		
8	A1-9		LED LENS B (R)			1	1				1	1			1	1			1	1
10	L7	4822 502 14109	SCR PAN TORX TAP ST ZN BK 3X10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9			FUNCTION KNOB (A) GR PH001		1				1	1			1	1				1		
9			FUNCTION KNOB (A) BL 80007	1				1									1			
9			FUNCTION KNOB PH01 LIGHT GREY			1	1				1	1			1	1			1	1
31	B15	3143 021 20021	TE HOLDER		1		1			1		1		1		1		1		1
55	L1		SCREW	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
56	L2		PAN HEAD TAPPING SCREW M4X12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
59	TL1		SCR PAN TORX TAP ST ZN BK 3X10		1		1			1		1		1		1		1		1
70	A2	3143 027 50131	REAR CAB PH001		1				1	1			1	1				1		1
70	A2	3143 027 50031	REAR CAB PH003			1	1				1	1			1	1			1	1
70	A2	3143 027 50141	REAR CAB PH004	1				1									1			
71	A12	3143 027 50121	POWER BUTTON PH003			1	1				1	1			1	1			1	1
71	A12	3143 027 50191	POWER BUTTON PH001		1				1	1			1	1				1		

MECHANICAL PARTS LIST				14PV11/01	14PV203/01	14PV415/01	14PV460/01	14PV11/07	14PV112/07	14PV203/07	14PV415/07	14PV460/07	14PV112/39	14PV203/39	14PV415/39	14PV460/39	14PV11/58	14PV203/58	14PV415/58	14PV460/58
Pos.	Pos. Expl. View	▲ 12 NC	Description																	
71	A12	3143 027 50201	POWER BUTTON PH004	1				1									1			
1010	consists of SP801/CL802	3143 027 10091	SPEAKER ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	B4	4822 402 10174	BRACKET ==>14"	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	B1	3143 021 20031	TENSION SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	B3		SCREENING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
54	B2		SCREW ==>CRT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
57	L8		FLAT HEAD SCREW 4X18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
58	TL1		SHIELD PLATE SCREW M3X4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60	B13		GROUND PLATE CRT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1B1			DECK ASSEMBLY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TB1			TRAY CHASSIS T6300RA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TB2			TOP COVER T6300RA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TB10		9965 000 13833	RCA HOLDER T6300RA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TB23			BOTTOM PLATE T6300RA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TL1		9965 000 08646	SCREW, P-TIGHT 3X12 WASHER HEAD+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TL14		9965 000 12171	SCREW, B-TIGHT M3X8 BIND HEAD+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TL18		9965 000 13027	SCREW, P-TIGHT M3X8 BIND HEAD+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PACKING																				
450	S1		BOX FOLDED 14PV11X	1				1	1				1				1			
450	S1		BOX FOLDED 14PV460				1					1				1				1
450	S1		BOX FOLDED 14PV203		1					1				1					1	
450	S1		BOX FOLDED 14PV41X			1					1				1					1
451			TAPE S-ADH PP TP 0.038X75MM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
452	S6		PE-PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
453	S2		STYROFOAM TOP B			1	1				1	1			1	1				1
453	S2		STYROFOAM TOP A	1	1			1	1	1			1	1					1	1
454	S3		STYROFOAM BOTTOM A	1	1			1	1	1			1	1					1	1
454	S3		STYROFOAM BOTTOM B			1	1				1	1			1	1				1
455	X1		BAG (==>MAINS CORD)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
150		3143 028 50061	RC RT720/111			1			1		1			1						1
150		3143 028 50021	RC RT721/111		1		1			1		1			1					1
150		3143 028 50011	RC RT720/101	1				1											1	
			TEST TAPES																	
1		3143 023 20011	TEST TAPE FL6K(S)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2		3143 023 20021	TEST TAPE FL6NS8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3			TEST TAPE FS LT-120	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4		3143 023 20041	TEST TAPE FL6M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
930			TESTCASSETTE GROUP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

Before following the procedures described below, be sure to remove the deck assembly from the cabinet. (Refer to CABINET DISASSEMBLY INSTRUCTIONS.)

All the following procedures, including those for adjustment and replacement of parts, should be done in Eject mode; see the positions of [41] and [42] in Fig.DM1 on page 2-4-13. When reassembling, follow the steps in reverse order.

STEP /LOC. No.	START-ING No.	PART		REMOVAL		INSTALLATION
				Fig. No.	REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER	ADJUSTMENT CONDITION
[1]	[1]	Guide Holder A	T	DM3	2(S-1)	
[2]	[1]	Cassette Holder Assembly	T	DM4		
[3]	[2]	Slider L	T	DM5	(S-2)	
[4]	[2]	Slider R	T	DM5	(S-3)	
[5]	[4]	Lock Lever	T	DM5	(S-4),*(P-1)	
[6]	[2]	C Plate	T	DM5		
[7]	[7]	Cylinder Assembly	T	DM1,DM6	Desolder, 3(S-5)	
[8]	[8]	Loading Motor Assembly	T	DM1,DM7	Desolder, LDG Belt, 2(S-6)	
[9]	[9]	AC Head Assembly	T	DM1,DM7	(S-7)	
[10]	[2]	Tape Guide Assembly	T	DM1,DM8	*(P-2)	
[11]	[10]	Door Opener B	T	DM1,DM8	*(L-1),*(L-2)	
[12]	[11]	Pinch Arm (B)	T	DM1,DM8	*(P-3)	
[13]	[12]	Pinch Arm (A) Assembly	T	DM1,DM8		
[14]	[14]	FE Head	T	DM1,DM9	(S-8)	
[15]	[15]	Prism	T	DM1,DM9	(S-9)	
[16]	[2]	Slider Shaft	T	DM10	(S-10),*(L-3)	
[17]	[16]	C Drive Lever L	T	DM10		
[18]	[16]	C Drive Lever R	T	DM10		
[19]	[7],[10]	Capstan Motor	B	DM2,DM11	3(S-11), Cap Belt	
[20]	[20]	Clutch Assembly	B	DM2,DM12	(C-1)	
[21]	[20]	FF Arm	B	DM2,DM12		
[22]	[22]	Cam Holder F	B	DM2,DM13	(C-2)	
[23]	[23]	Cam Gear (B)	B	DM2,DM13	(C-3),*(P-4)	
[24]	[24]	Mode Gear	B	DM2,DM14	(C-4)	
[25]	[20],[23],[24]	Mode Lever	B	DM2,DM14	(C-5), *(L-4)	
[26]	[22]	Worm Holder	B	DM2,DM14	(S-12)	
[27]	[26]	Pulley Assembly	B	DM2,DM14		
[28]	[25],[26]	Cam Gear (A)	B	DM2,DM14		
[29]	[25]	Idler Assembly	B	DM1,DM15	*(L-5)	
[30]	[25]	BT Arm	B	DM2,DM15	*(P-5)	
[31]	[25]	Loading Arm S (B) Assembly	B	DM2,DM15		(+)Refer to Alignment Sec.Pg.2-4-9

STEP /LOC. No.	START-ING No.	PART		REMOVAL		INSTALLATION
				Fig. No.	REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER	ADJUSTMENT CONDITION
[32]	[31]	Loading Arm T (B) Assembly	B	DM2,DM15		(+)Refer to Alignment Sec.Pg.2-4-9
[33]	[2],[25]	M Brake T Assembly	T	DM1,DM16	*(P-6)	
[34]	[2],[25]	M Brake S Assembly	T	DM1,DM16	*(P-7)	
[35]	[34]	Tension Lever Sub Assembly	T	DM1,DM16		
[36]	[35]	T Lever Holder	T	DM1,DM16	*(L-6)	
[37]	[33]	M Gear	T	DM1,DM16	(C-6)	
[38]	[2],[15]	Sensor Gear	T	DM1,DM16	(C-7)	
[39]	[33]	Reel T	T	DM1,DM16		
[40]	[35]	Reel S	T	DM1,DM16		
[41]	[31],[35]	Moving Guide S Preparation	T	DM1,DM17		
[42]	[32]	Moving Guide T Preparation	T	DM1,DM17		
[43]	[19]	TG Post Assembly	T	DM1,DM17	*(L-7)	
[44]	[19],[28]	Rack Assembly	R	DM18		(+)Refer to Alignment Sec.Pg.2-4-10
[45]	[44]	F Door Opener	R	DM18	*(P-8)	
[46]	[46]	Cleaner Lever Assembly	T	DM1,DM6		Type A
					*(L-8)	Type B
[47]	[46]	CL Post	T	DM6	*(L-9)	Type A
↓	↓	↓	↓	↓	↓	↓
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1): Follow steps in sequence. When reassembling, follow the steps in reverse order.

These numbers are also used as identification (location) No. of parts in the figures.

(2): Indicates the part to start disassembling with in order to disassemble the part in column (1).

(3): Name of the part

(4): Location of the part: T=Top B=Bottom R=Right L=Left

(5): Figure Number

(6): Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.

P=Spring, W=Washer, C=Cut Washer, S=Screw, *=Unhook, Unlock, Release, Unplug, or Desolder

e.g., 2(L-2) = two Locking Tabs (L-2).

(7): Adjustment Information for Installation

(+):Refer to Deck Exploded Views for lubrication.

Top View

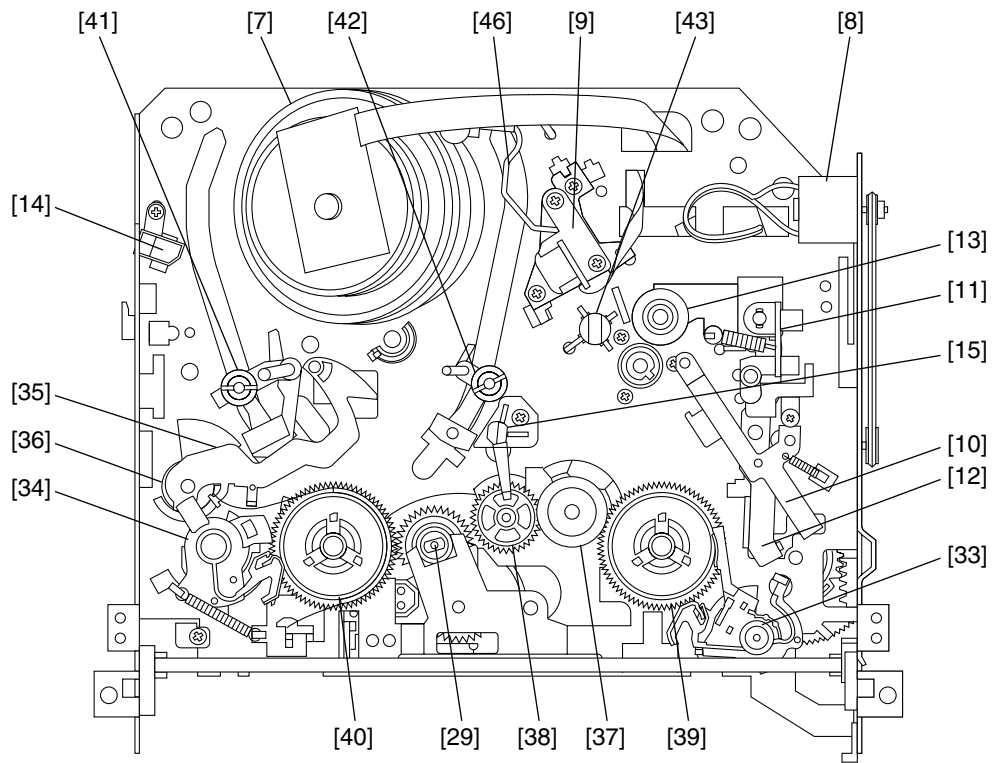


Fig. DM1

Bottom View

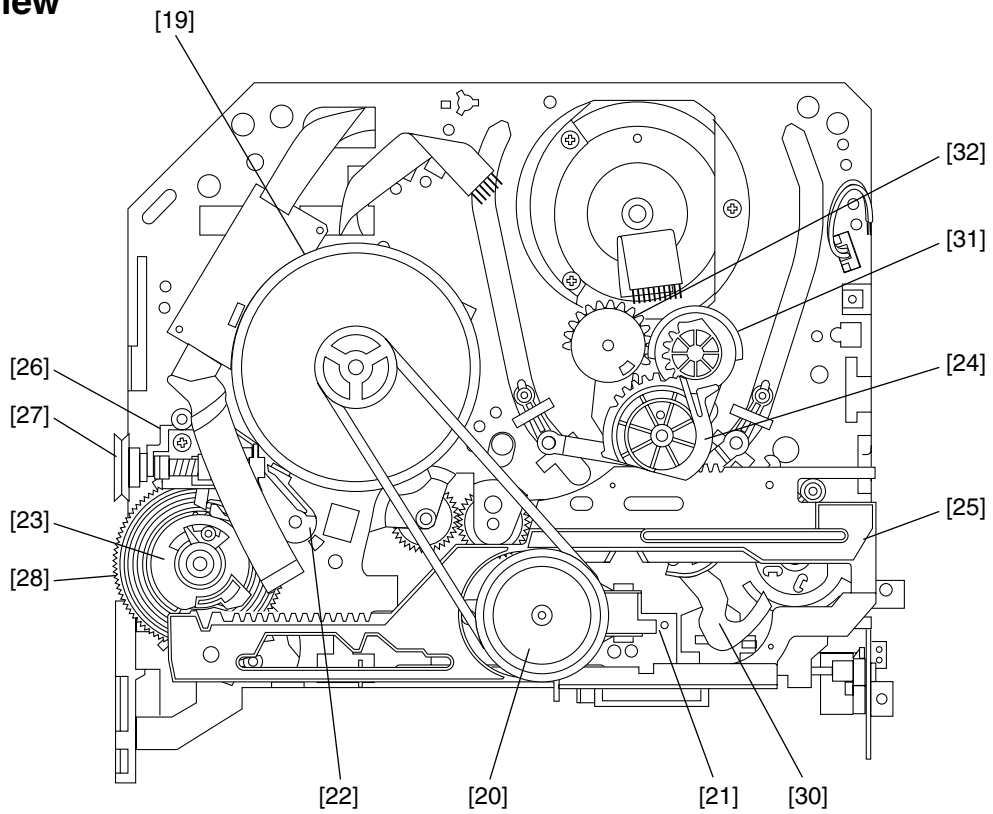


Fig. DM2

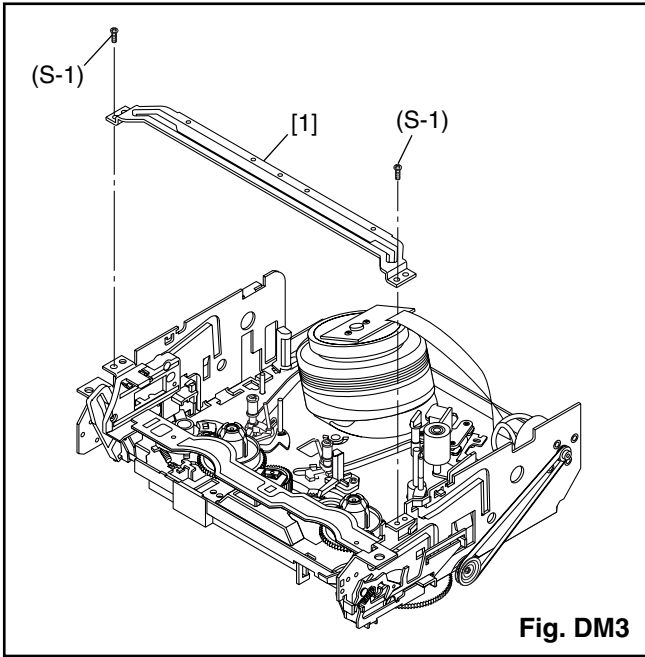


Fig. DM3

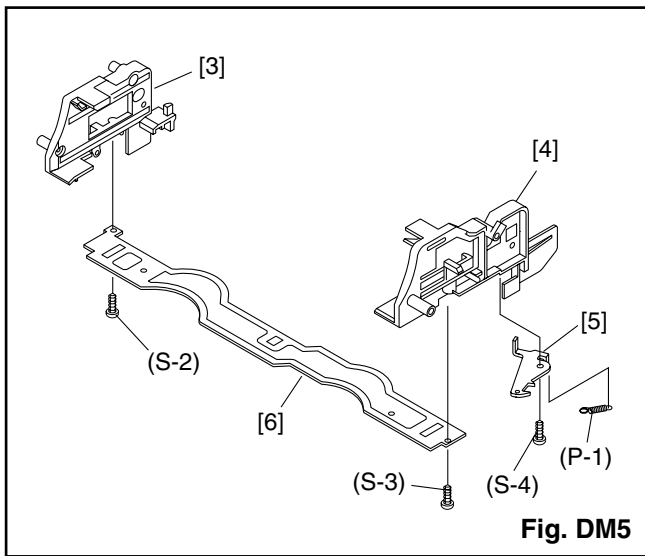


Fig. DM5

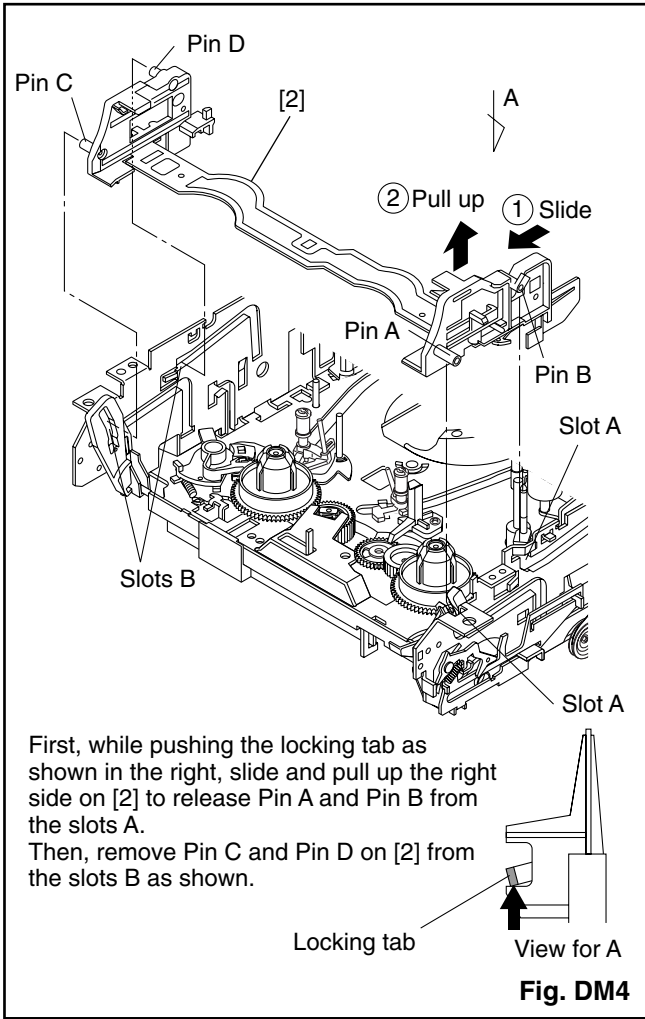


Fig. DM4

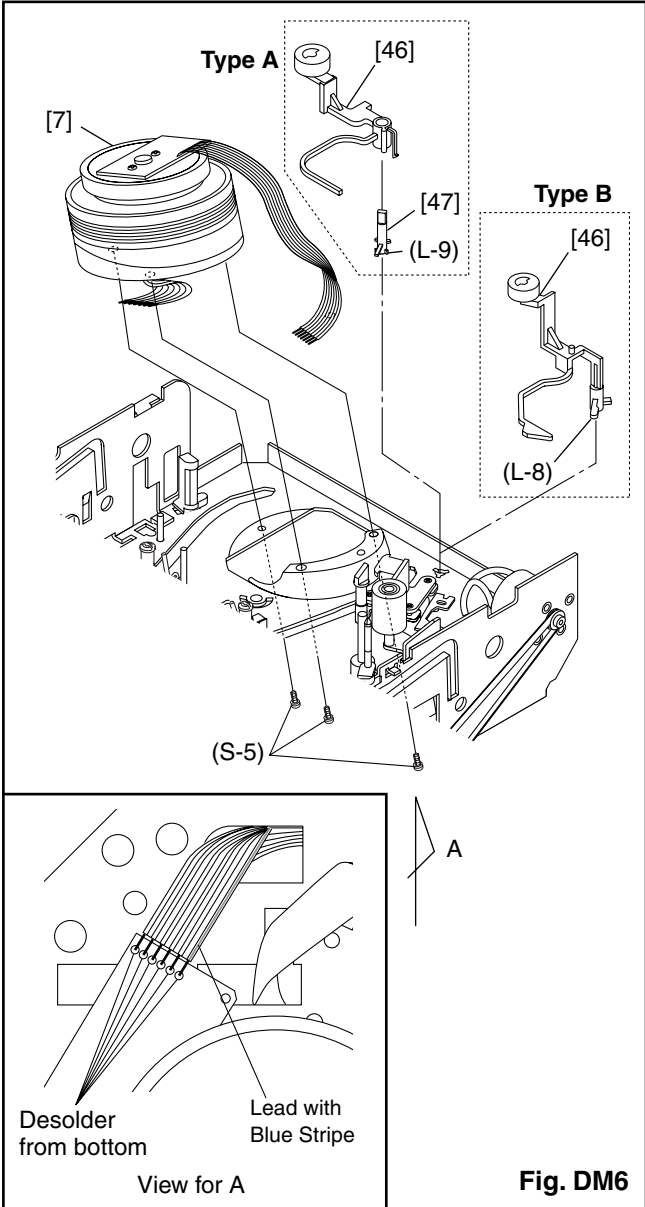
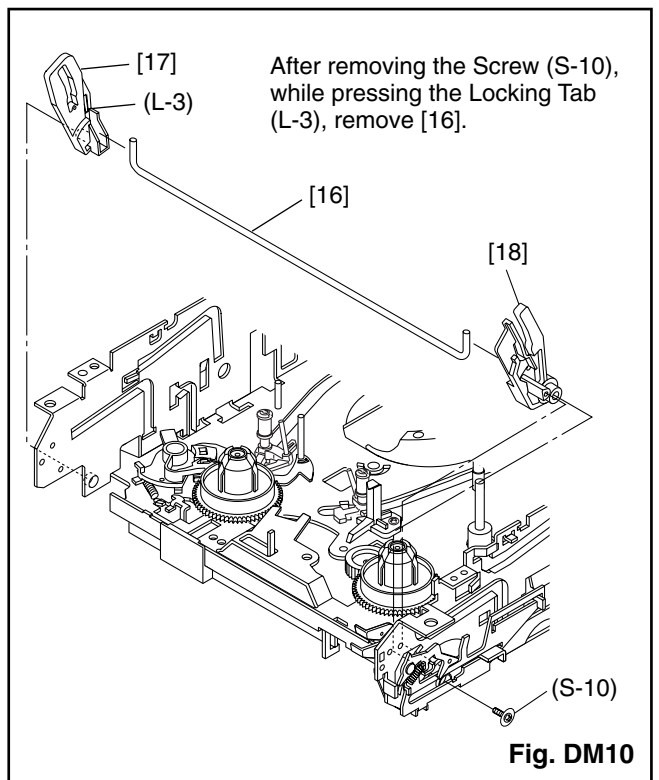
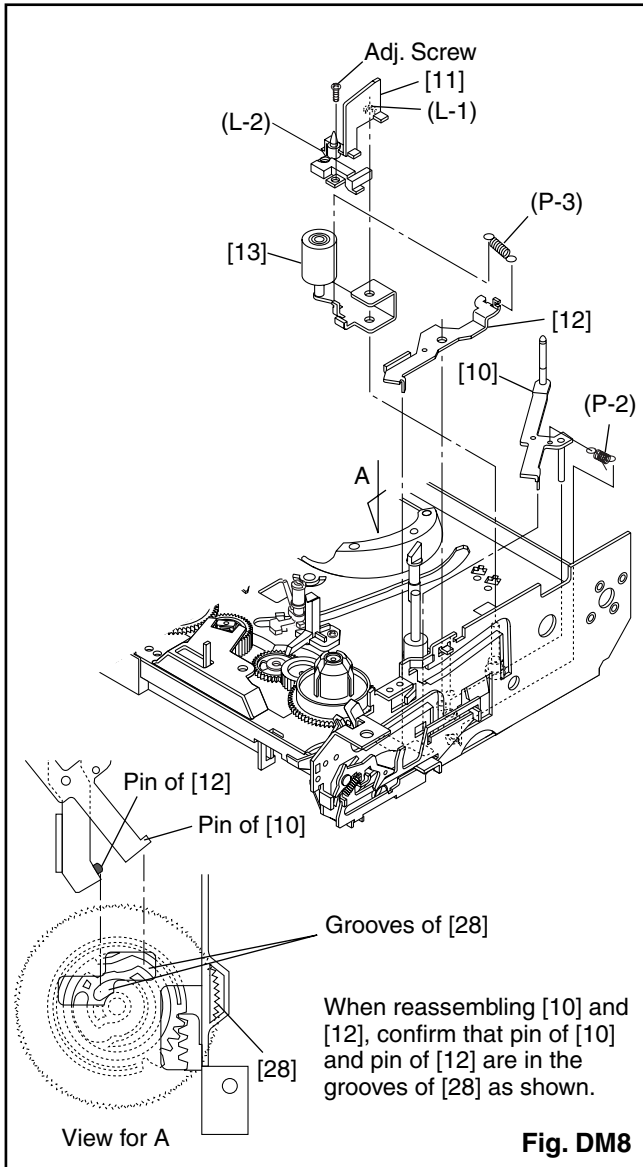
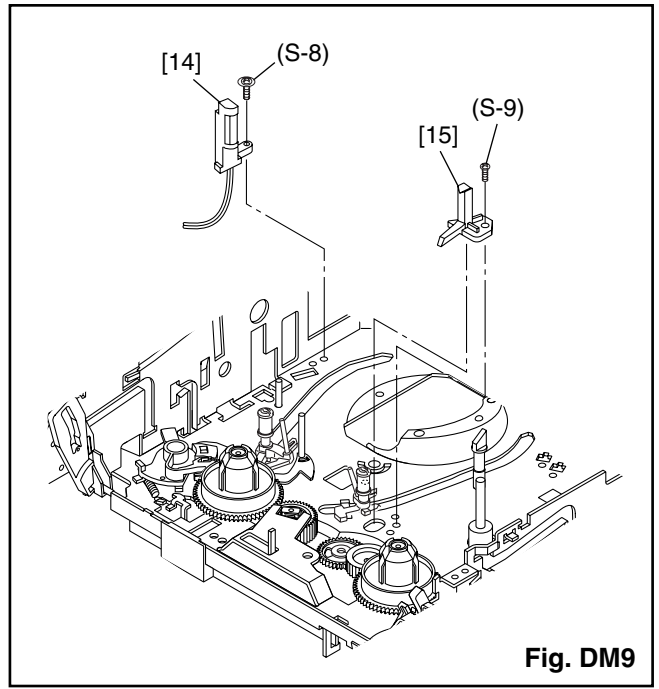
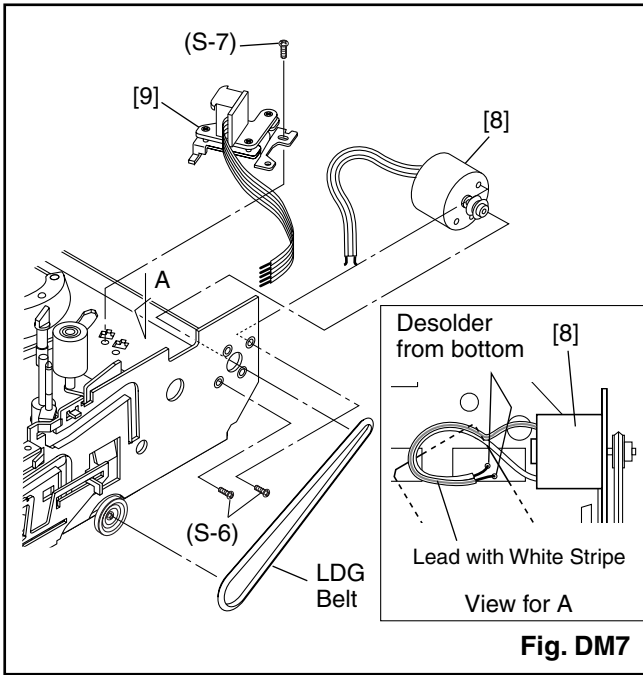
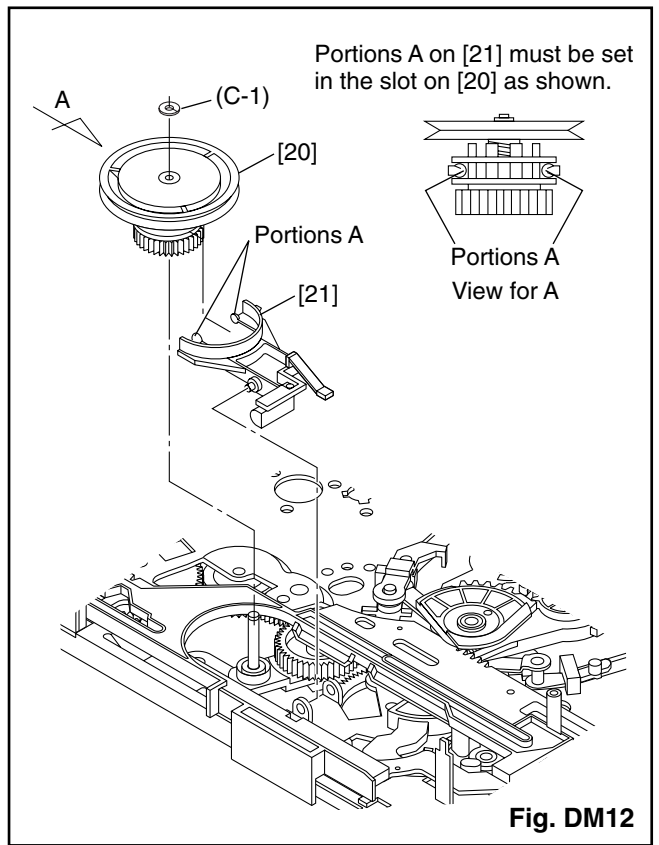
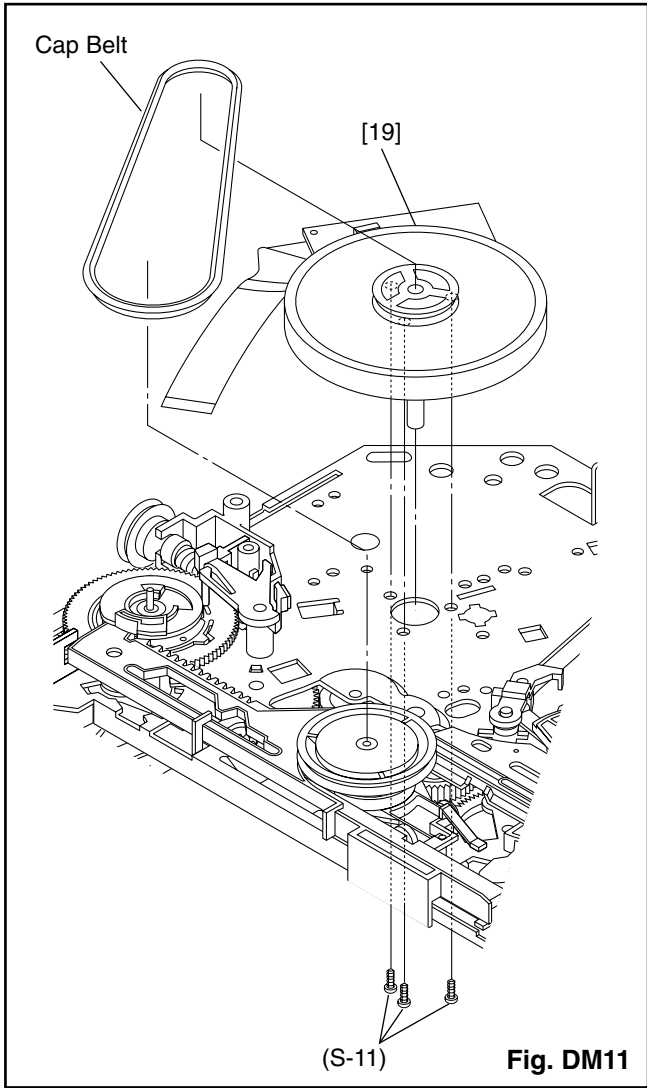
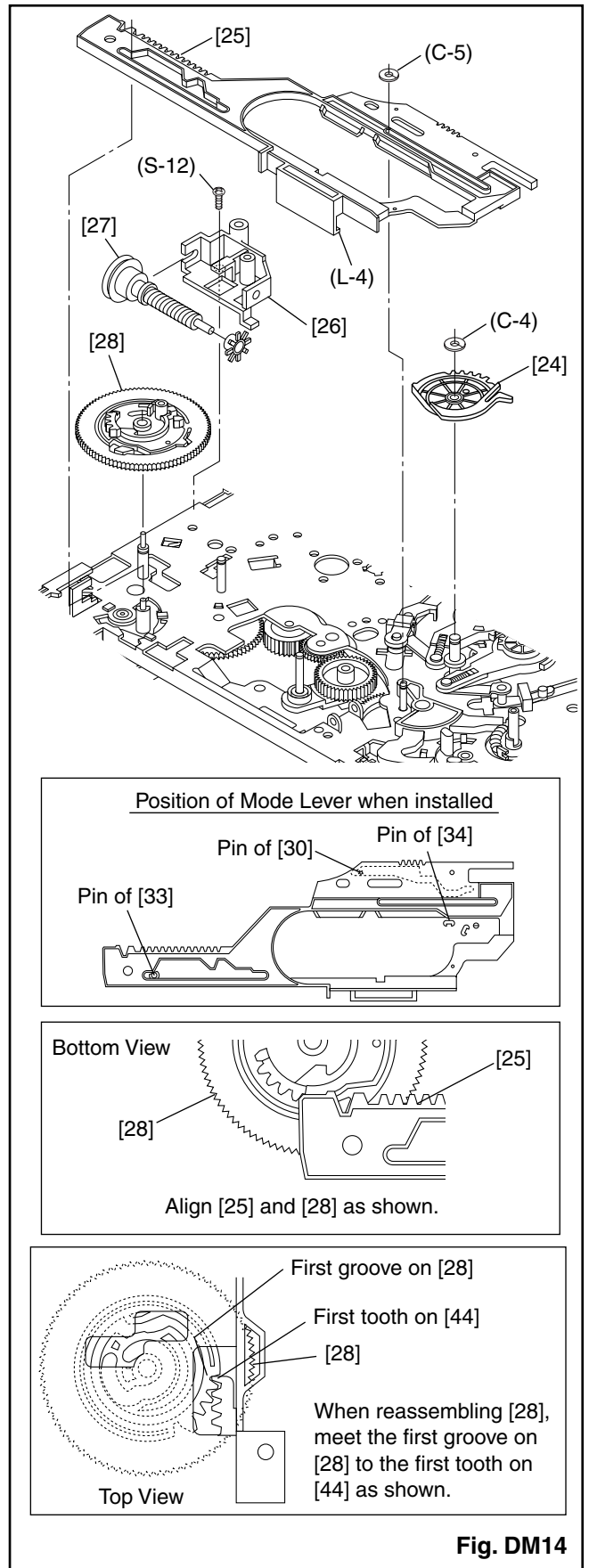
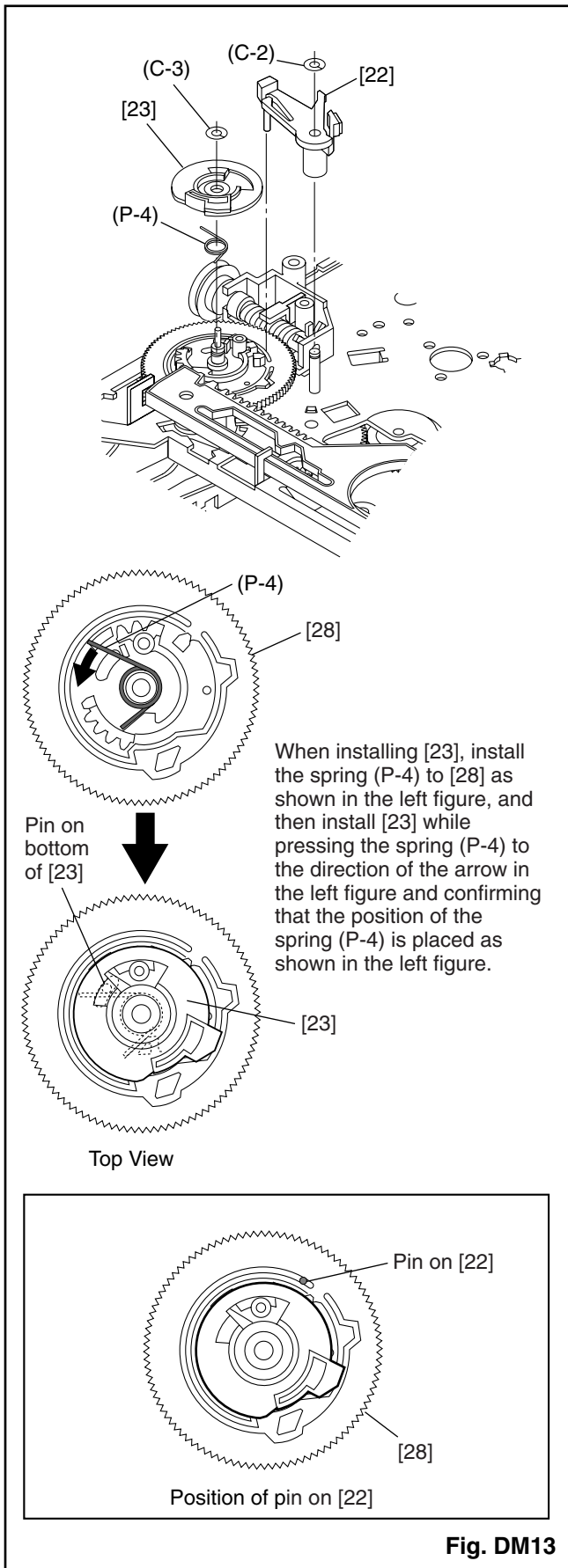
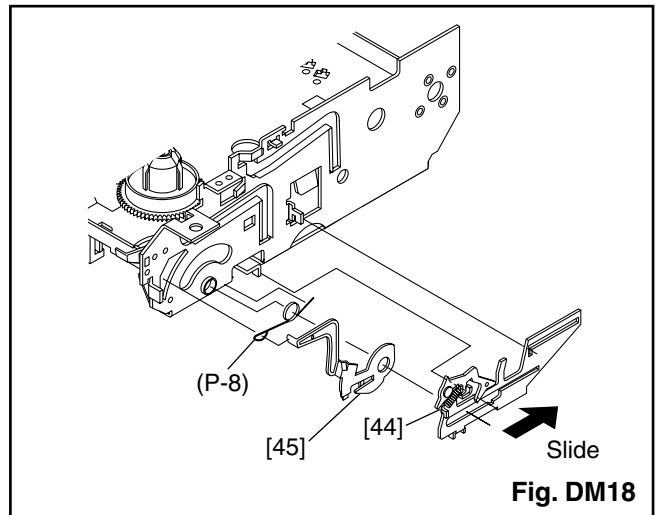
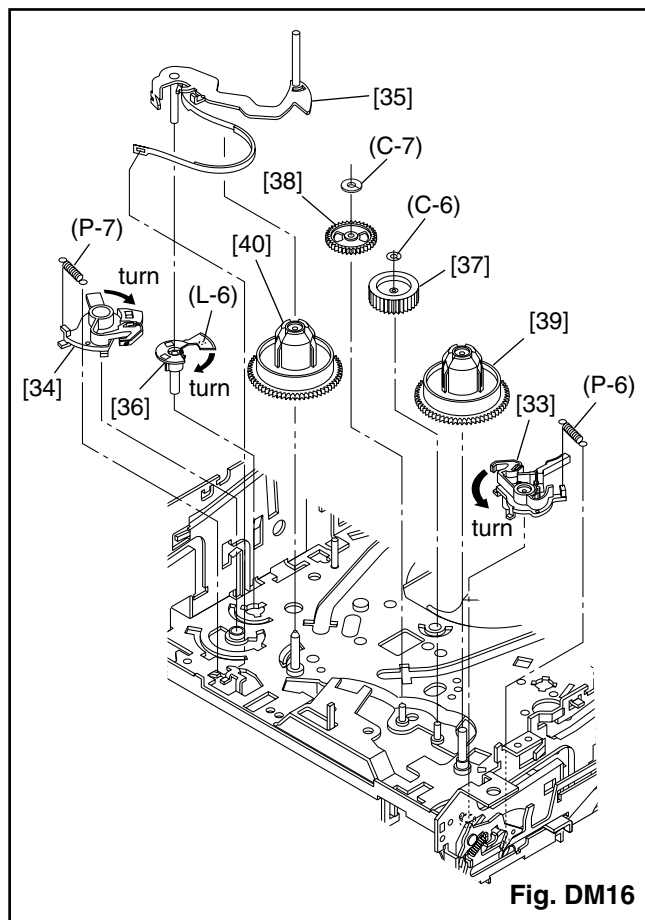
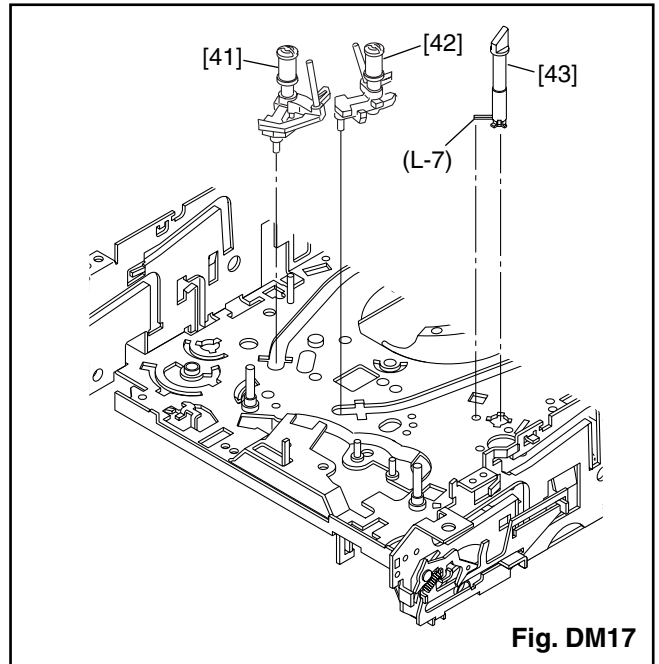
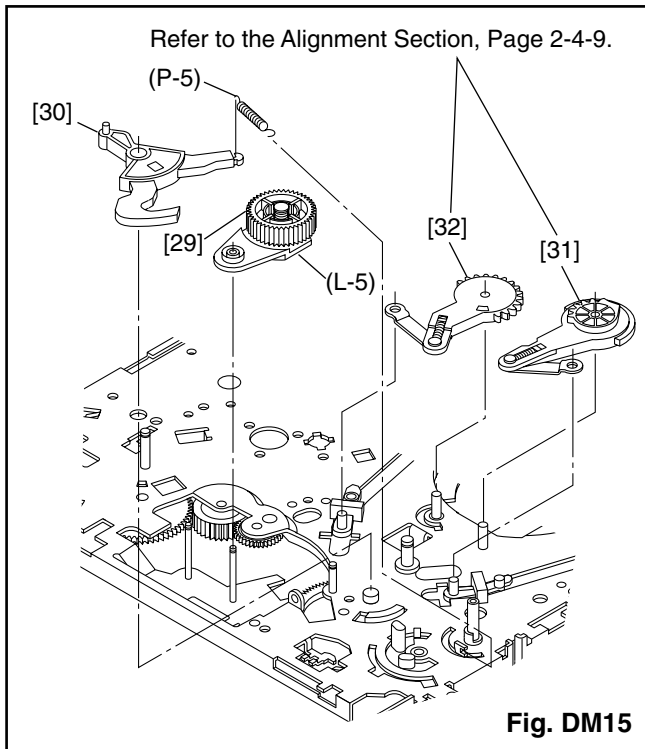


Fig. DM6





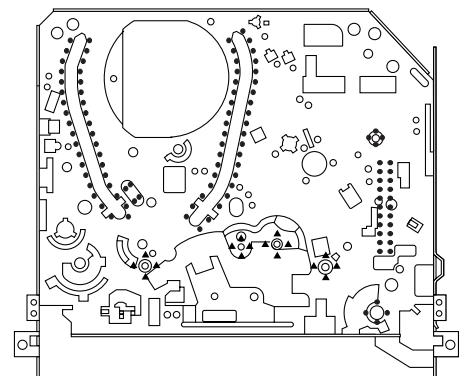
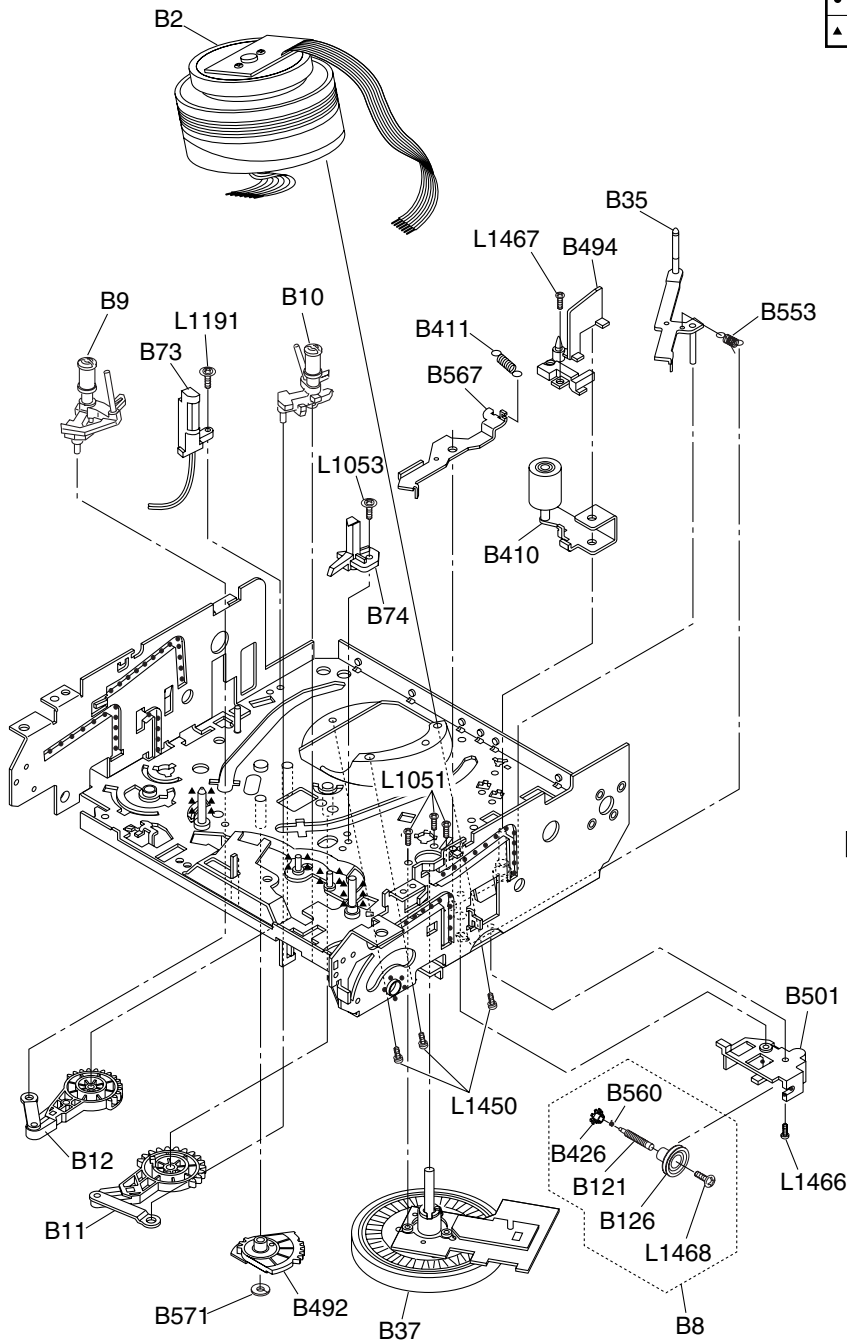




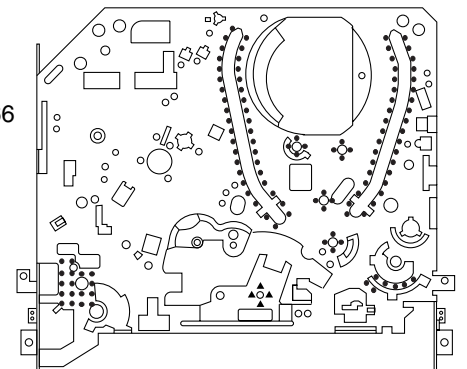
[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58),
 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

Deck Mechanism View 1

Mark	Description
•••••	Floil G-374G (Blue grease)
▲▲▲▲▲	SLIDUS OIL #150



Chassis Assembly
 Top View (Lubricating Point)



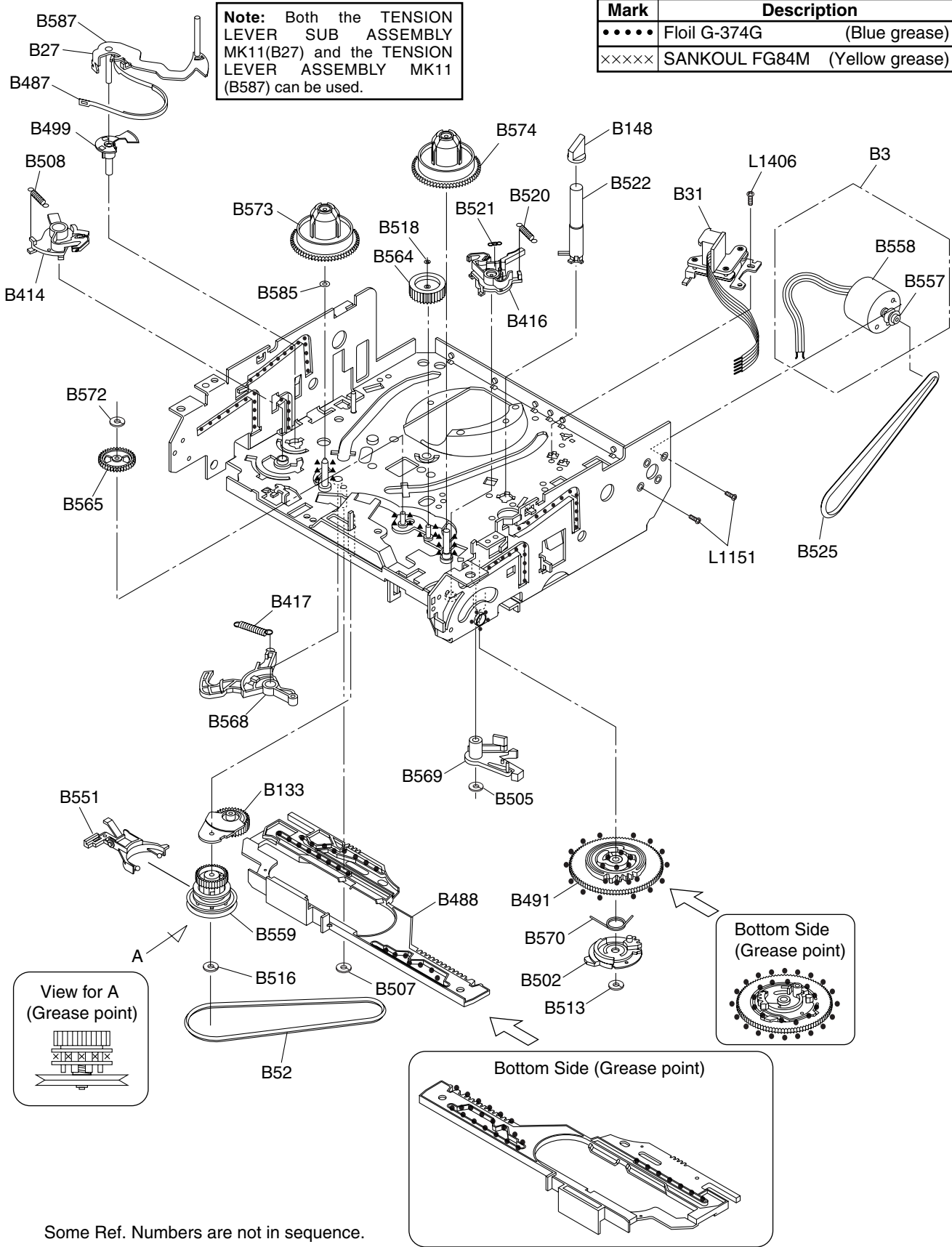
Chassis Assembly
 Bottom View (Lubricating Point)

Some Ref. Numbers are not in sequence.

Deck Mechanism View 2

Note: Both the TENSION LEVER SUB ASSEMBLY MK11(B27) and the TENSION LEVER ASSEMBLY MK11 (B587) can be used.

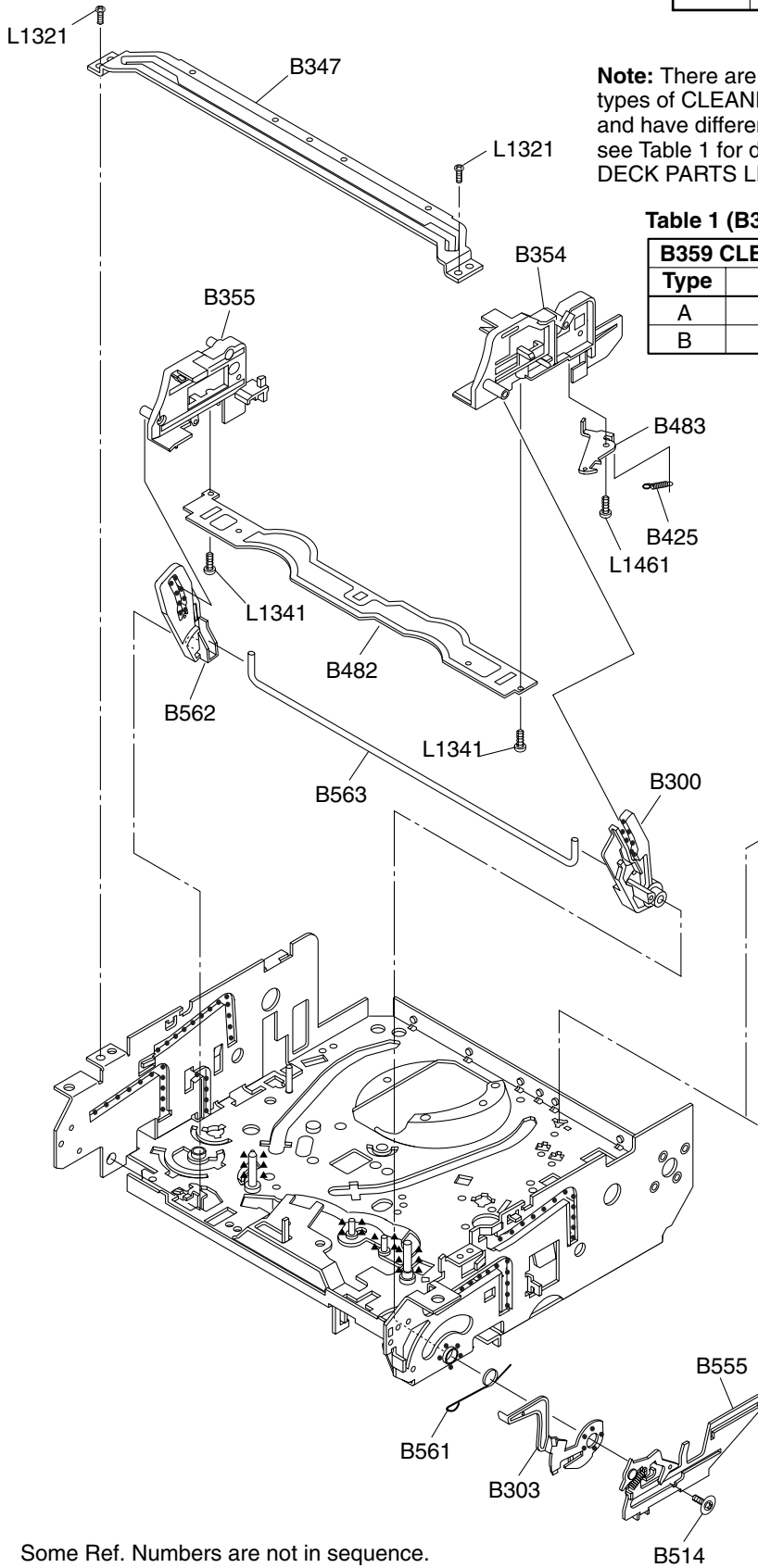
Mark	Description
•••••	Floil G-374G (Blue grease)
×××××	SANKOUL FG84M (Yellow grease)



Some Ref. Numbers are not in sequence.

Deck Mechanism View 3

Mark	Description
•••••	Floil G-374G (Blue grease)



Note: There are two different, but interchangeable types of CLEANER LEVER(B359) in this model, and have different combination with B361. Please see Table 1 for details and combination. (Refer to DECK PARTS LIST section.)

Table 1 (B359 and B361 Combination)

B359 CLEANER LEVER		B361
Type	ID No.	ID No.
A	OVM304413	OVM411114
B	OVM305090	Not used

Some Ref. Numbers are not in sequence.

DECK PARTS LIST		
Pos.	▲ 12 NC	Description
B2	9965 000 12895	CYLINDER ASS. MK11 PAL 2HD 2SP
B3	9965 000 12202	LOADING MOTOR
B8	9965 000 12203	PULLEY ASS. MK11
B9	9965 000 08560	MOVING GUIDE S PREP. MK10
B10	9965 000 08431	MOVING GUIDE T PREP. MK10
B11	9965 000 12204	LOADING ARM ASS. MK11
B12	9965 000 12205	LOADING ARM ASS. MK11
B27	9965 000 12206	TENSION LEVER SUB ASS. MK11
B31	9965 000 13920	AC HEAD ASS. MK11(TVCR)
B35	9965 000 12208	TAPE GUIDE ASS. MK11
B37	9965 000 14391	CAPSTAN MOTOR
B52	9965 000 08593	CAP BELT MK10
B73	9965 000 12210	FE HEAD ASS. MK11
B74	9965 000 08555	PRISM MK10
B121	9965 000 12211	WORM MK11
B126	9965 000 12212	PULLEY MK11
B133	9965 000 08437	IDLER ASS. MK10
B148	9965 000 12368	TG CAP MK11
B300	9965 000 12214	C DRIVE LEVER R MK11
B303	9965 000 12215	F DOOR OPENER MK11
B347	9965 000 08445	GUIDE HOLDER A MK10
B354	9965 000 12216	SLIDER R MK11
B355	9965 000 12217	SLIDER L MK11
B359	9965 000 12416	CLEANER LEVER MK11
B360	9965 000 06561	CLEANER ROLLER MK9
B410	9965 000 13685	PINCH ARM(A) ASS.(Y) MK11
B411	9965 000 08453	PINCH SPRING MK10
B414	9965 000 12369	M BRAKE S ASS. MK11
B416	9965 000 12370	M BRAKE T ASS. MK11
B417	9965 000 12221	TENSION SPG(190265) MK11
B425	9965 000 08457	LOCK LEVER SPRING MK10
B426	9965 000 08458	KICK PULLEY MK10
B482	9965 000 12222	C PLATE MK11
B483	9965 000 08461	LOCK LEVER MK10
B487	9965 000 08462	BAND BRAKE MK10
B488	9965 000 13025	MODE LEVER(PB) MK11
B491	9965 000 12224	CAM GEAR(A) MK11
B492	9965 000 12225	MODE GEAR MK11
B494	9965 000 12226	DOOR OPENER B MK11
B499	9965 000 08467	T LEVER HOLDER MK10
B501	9965 000 12227	WORM HOLDER MK11
B502	9965 000 08469	CAM GEAR(B) MK10
B505	9965 000 12372	PSCW(625504) MK11
B507	9965 000 05342	REEL WASHER MK9 5*2.1*0.5
B508	9965 000 08470	S BRAKE SPRING MK10
B513	9965 000 08471	PSCW(752605) MK10
B514	9965 000 12228	SCREW RACK MK11
B516	9965 000 05342	REEL WASHER MK9 5*2.1*0.5
B518	4822 532 13159	P.S.W CUT 1.6X4.0X0.5T

DECK PARTS LIST		
Pos.	▲ 12 NC	Description
B520	9965 000 08481	T BRAKE SPRING MK10
B521	9965 000 08482	SOFT SPRING MK10
B522	9965 000 12373	TG POST ASS. MK11
B525	9965 000 12230	LDG BELT MK11
B529	9965 000 12231	CLEANER ASS. MK11
B551	9965 000 12374	FF ARM MK11
B553	9965 000 12233	REV SPRING MK11
B555	9965 000 12234	RACK ASS. MK11
B557	9965 000 08519	MOTOR PULLEY U5
B558	9965 000 12235	LOADING MOTOR
B559	9965 000 12375	CLUTCH ASS. MK11
B560	9965 000 08522	KICK SPRING MK10
B561	9965 000 08523	F DOOR SPRING MK10
B562	9965 000 08524	C DRIVE LEVER L MK10
B563	9965 000 08525	SLIDER SHAFT MK10
B564	9965 000 09315	M GEAR MK10
B565	9965 000 12238	SENSOR GEAR MK11
B567	9965 000 08544	PINCH ARM(B) MK10
B568	9965 000 08545	BT ARM MK10
B569	9965 000 12239	CAM HOLDER F MK11
B570	9965 000 12240	CAM RACK SPRING(HI) MK11
B571	4822 532 13158	P.S.W F 6*2.55*0.5
B572	4822 532 13159	P.S.W CUT 1.6X4.0X0.5T
B573	9965 000 12241	REEL S MK11
B574	9965 000 12376	REEL T MK10
B585	9965 000 13687	PSW(317505) MK11
B587	9965 000 13688	TENSION LEVER ASS. MK11
L1051	9965 000 05359	SCREW, B-TIGHT M2.6X6 PAN HEAD+
L1053	9965 000 05375	SCREW, S-TIGHT M2.6X8 WASHER HEAD+
L1151	9965 000 08642	SCREW, SEMS M2.6X4 PAN HEAD+
L1191	9965 000 05375	SCREW, S-TIGHT M2.6X8 WASHER HEAD+
L1321	4822 502 14009	SCREW, S-TIGHT M3X6 BIND HEAD+
L1341	4822 502 14669	SCREW, P-TIGHT M2.6X6 BIND HEAD+
L1406	9965 000 08643	AC HEAD SCREW MK9
L1407	9965 000 12250	SCREW, S-TIGHT M2.6X10 DISH HEAD+
L1450	4822 502 14671	SCREW, SEMS M2.6X5 PAN HEAD+
L1461	4822 502 30471	SCREW, P-TIGHT M2.6X6 WASHER HEAD+
L1466	9965 000 05364	SCREW, S-TIGHT M2.6X6 BIND HEAD+
L1467	9965 000 12251	SCREW, S-TIGHT M2.6X5 WASHER HEAD+
L1468	9965 000 12252	SCREW, B-TIGHT M1.7X12