

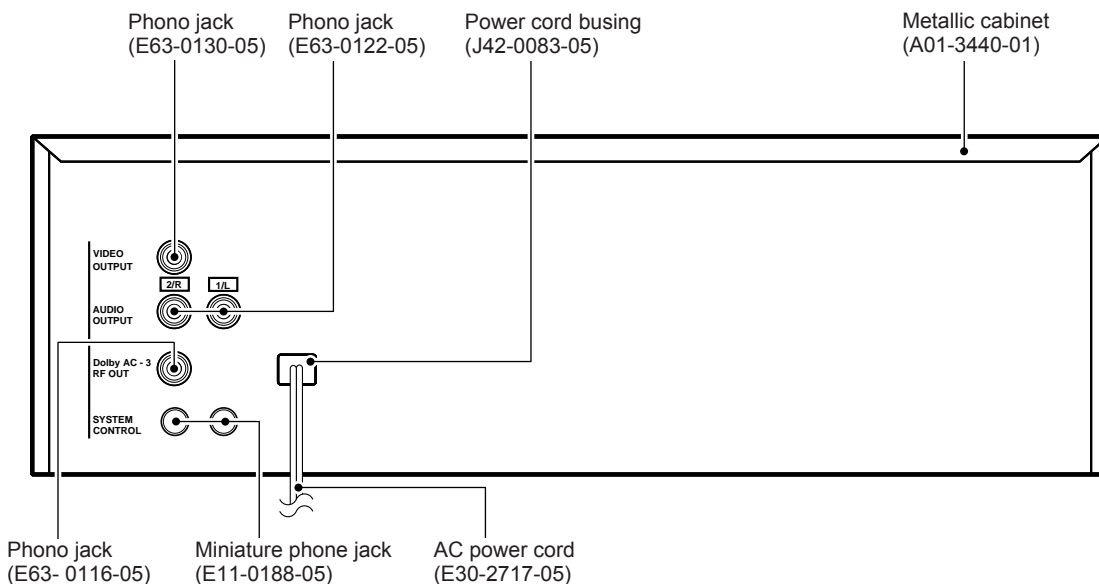
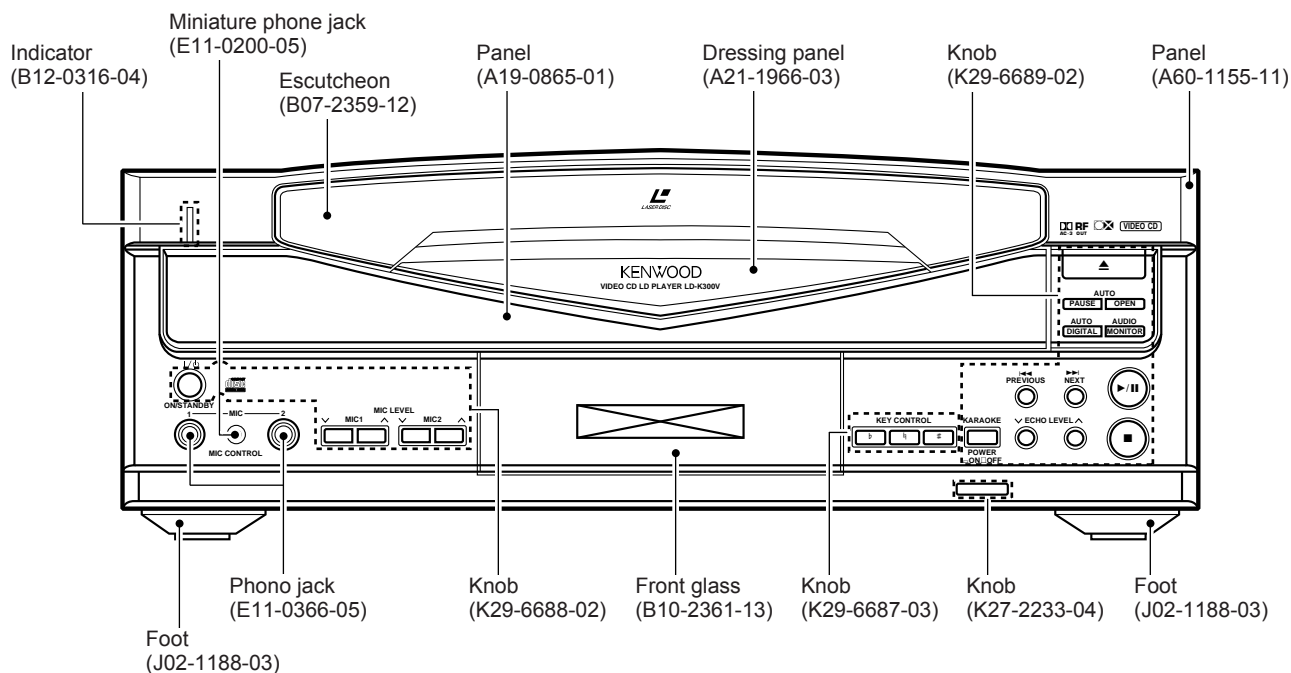
# VIDEO-CD LD PLAYER

# LD-K300V

## SERVICE MANUAL

# KENWOOD

1997-8/B51-5333-00 (K) 2337



Refer to LVD-290 service manual (B51-5233-00), if you require the semiconductor description (X32, IC9 9 MPEG u-COM) and disassembly for repair in detail.

**Attention !**  
 To avoid firing or other accident, the repair (in clouding replacement of fuse) of the switching power supply P.C.B. (W02-2568-35) is prohibited.  
 In case of the repair (defective P.C.B.), please replace the complete P.C.B. with new one.

# LD-K300V

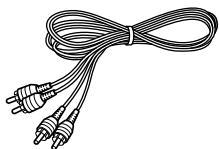
## CONTENTS / ACCESSORIES / CAUTIONS

### Contents

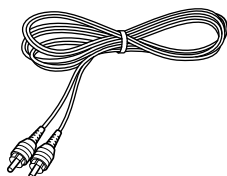
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### Accessories

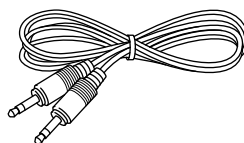
Audio cord (2)  
(E30-0505-05)



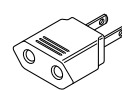
Video cord (1)  
(E30-1427-05)



System control cord (1)  
(E30-2733-05)



AC plug adaptor (1)  
(E03-0115-05)



Use to adapt the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.)

### Cautions

#### ***Beware of condensation***

When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly. This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit for several hours.)

#### ***Be especially careful in the following conditions:***

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

#### ***Note related to transportation and movement***

Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.
2. Verify that the display shown appears.
3. Wait a few seconds and turn the power OFF.

## ADJUSTMENT

## MAIN UNIT(X34-1033)

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	TILT BALANCE	LD TEST DISC	Connect the TV monitor to the video output.	Frame No.19,001 STILL (Still image) *Frame No.23,402 STILL (still image)	VR3	Minimize the crosstalk on the screen.	(a)
			Connect an oscilloscope to RF : CN3 pin 6 (EFM).	Frame No.20,000 STILL (still image)		Eye-pattern is maximum and clear.	
2	FOCUS BALANCE	TEST DISC	Connect an oscilloscope to RF : CN3 pin 6 (EFM).	PLAY	VR2	Maximize the RF signal (eye pattern) amplitude.	(a)
<b>Setting the TEST MODE (Short-circuiting the CN7 pin 1 and 2 in AC IN mode : TE OFF)</b>							
3	TRACKING BALANCE	TEST DISC	Connect an oscilloscope to TE : CN3 pin 1.	TE OFF	VR1	Symmetry between upper and lower.	(b)
4	FOCUS GAIN	TEST DISC Apply a signal (1.0kHz/0.2Vp-p) to CN3 pins 4 and 5 .	Connect an L.P.F.to CN3 pins 4 and 5, to which connect an oscilloscope or two AC voltmeters.	PLAY	VR4	Two VTVMs should read the same level.	
5	TRACKING GAIN	TEST DISC Apply a signal (1.3kHz/0.2Vp-p) to CN3 pins 1 and 2.	Connect an L.P.F.to CN3 pins 1 and 2, to which connect an oscilloscope or two AC voltmeters.	PLAY	VR5	Two VTVMs should read the same level.	
6	VIDEO LEVEL	LD TEST DISC	Terminate the video output with a 75Ω resistor and connect an oscilloscope to both ends.	Frame No.100 STILL(still image) *Frame No.13,000 STILL(still image)	VR7	Video signal amplitude to 1.0Vp-p	
7	4Fsc	POWER ON	Connect a frequency counter to check land (14M) of IC3 pin 7.	STOP	TC1	14.31818MHz±50Hz	
<b>VIDEO CD UNIT (X35-2170-20) Setting the power on</b>							
8	VIDEO CD CLOCK	POWER ON	Connect a frequency counter to check land (13.5MHz) of IC2 pin 99(R16).	STOP	TC1	13.5MHz±50Hz	

**Note** : L.P.F. : 33kΩ+1000pF or so, CD disc : CD test disc (SONY YEDS-18 or equivalent), LD disc : CAV30cm (with digital sound), STILL : Remote controller's key.  
fig. : Waveform (P.12)

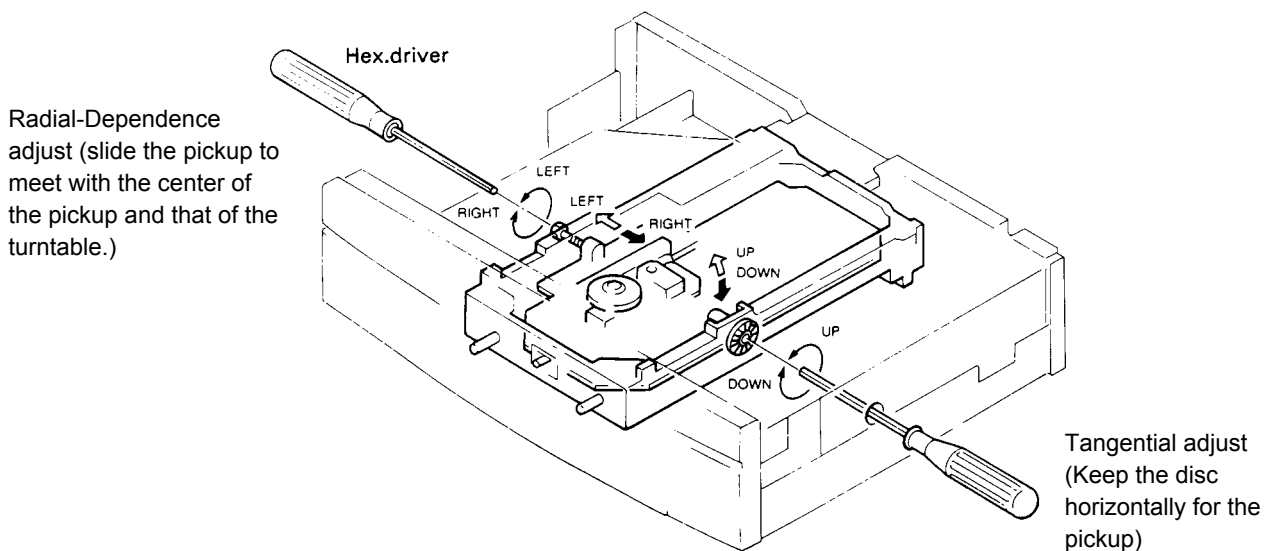
# LD-K300V

## ADJUSTMENT

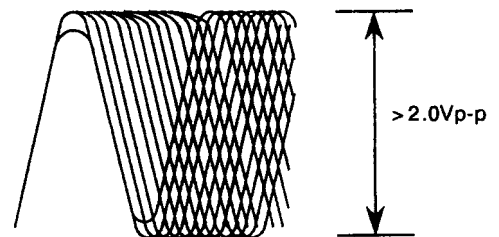
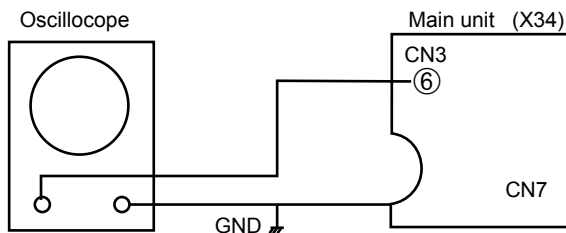
### MECHANISM ADJUSTMENT PROCEDURE

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
<1>	TANGENTIAL	CD TEST DISC	Connect an oscilloscope to CN3 pin 6 (EFM). (MAIN UNIT)	PLAY	Tangential nut (Turn within $\pm 4$ clicks)	Maximize the RF signal (eye pattern) amplitude.	(a)
<2>	R-DEPENDENCE	CD TEST DISC	Connect an L.P.F. to CN3 pins 7 and 8, to connect an oscilloscope and select X-Y mode. (MAIN UNIT)	PLAY	R-dep. nut (Less than $\pm 10^\circ$ )	Adjust so that the Lissajous waveform becomes $-45^\circ$	

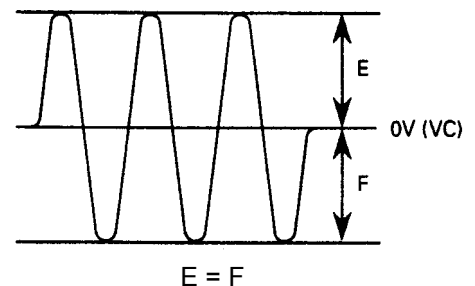
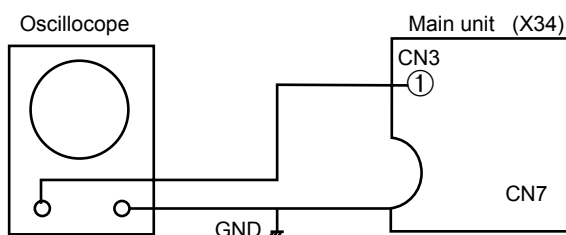
**Note :** CD disc : CD test disc (SONY) YEDS-18 or equivalent), LD disc : CAV 30cm (with digital sound)



#### (a) TILT BALANCE / FOCUS BALANCE / TANGENT



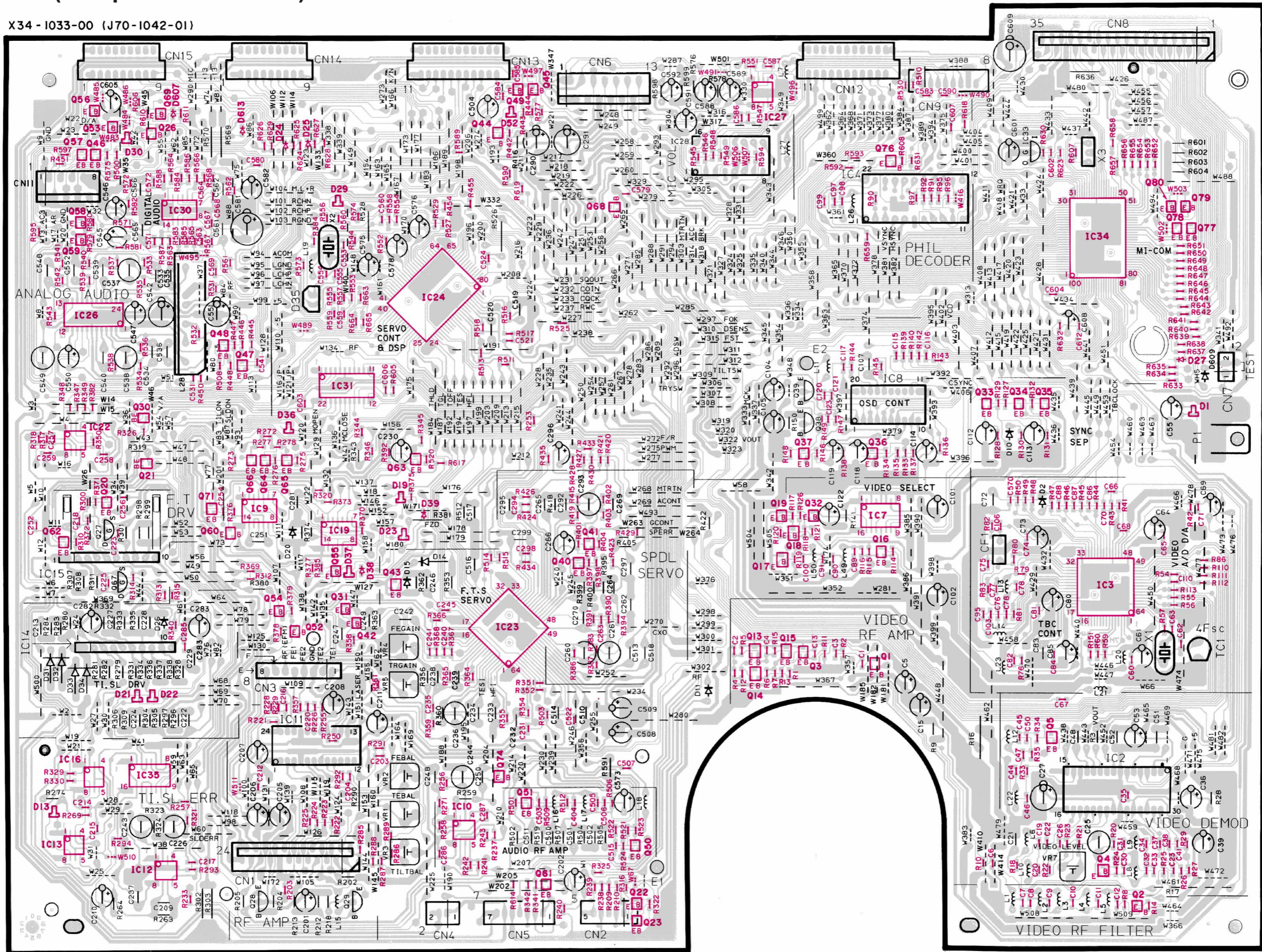
#### (b) TRACKING BALANCE





# PC BOARD(Component side view) LD player unit (X34-1033-00)

X34 - 1033-00 (J70-1042-01)

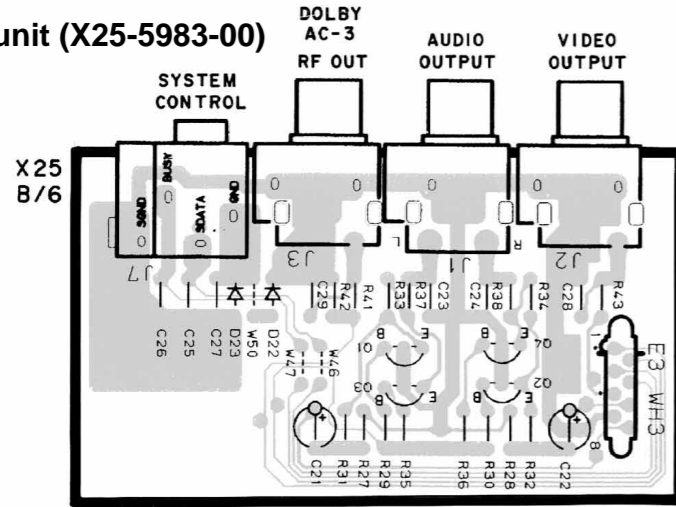


Refer to the schematic diagram for the value of resistors and capacitors.

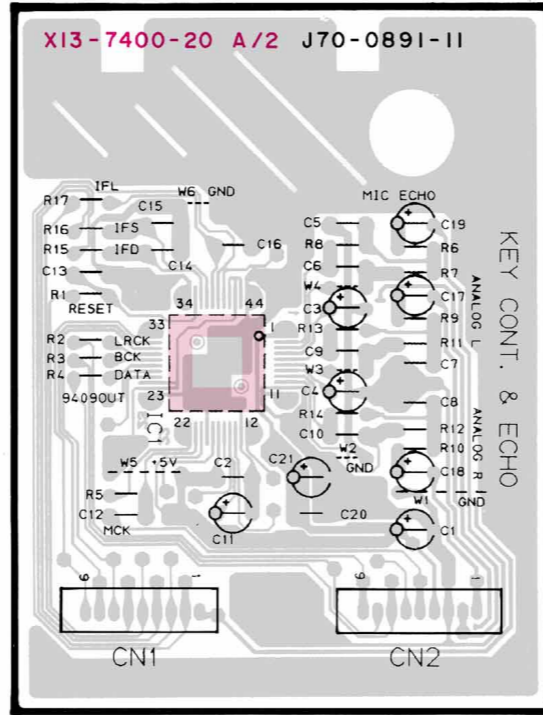


# PC BOARD(Component side view)

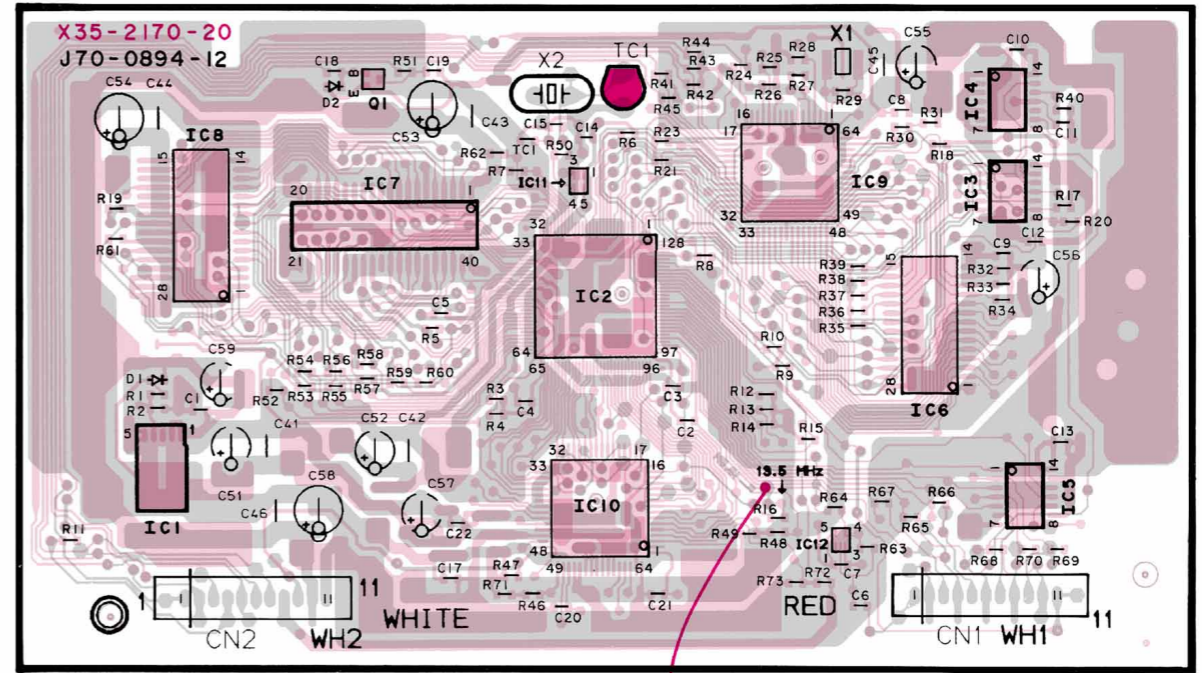
Display unit (X25-5983-00)



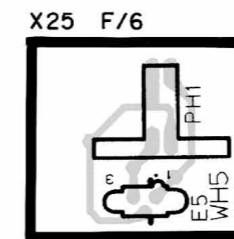
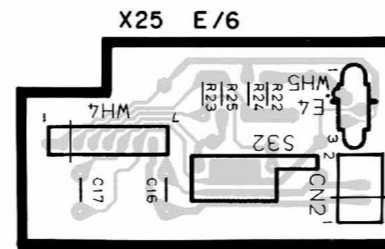
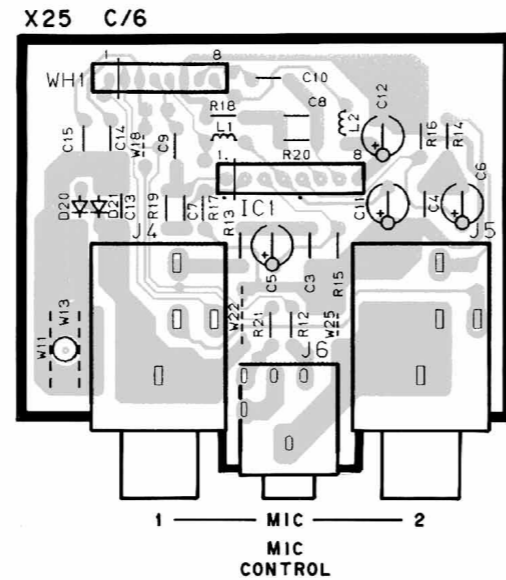
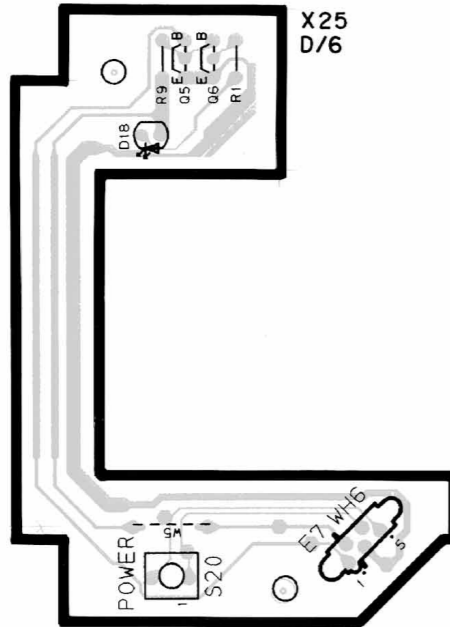
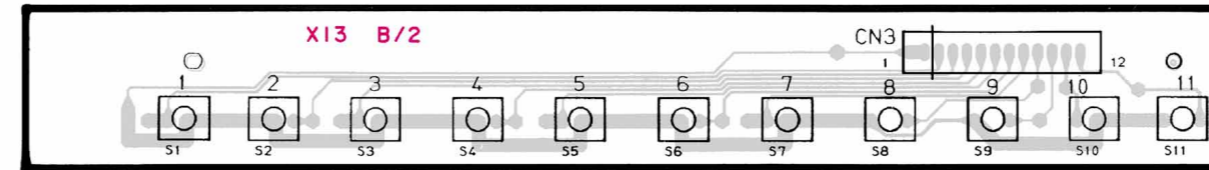
Sub-circuit unit (X13-7400-20)



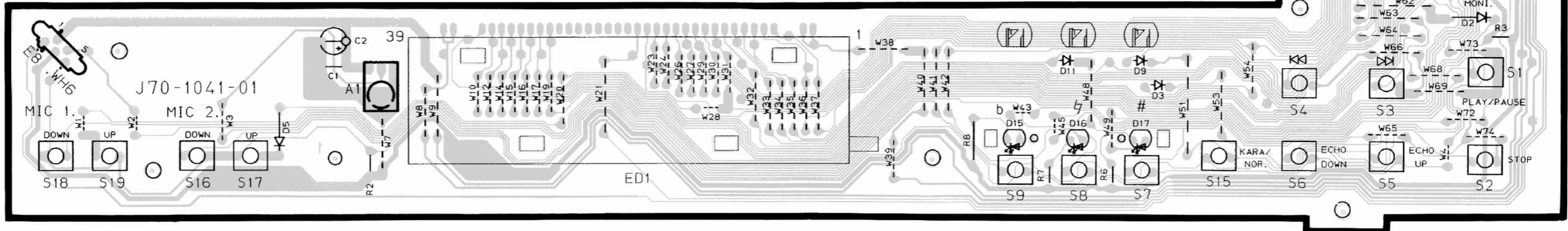
Video unit (X35-2170-20)



1. Video CD clock :  
13.5MHz ± 50Hz  
Frequency counter

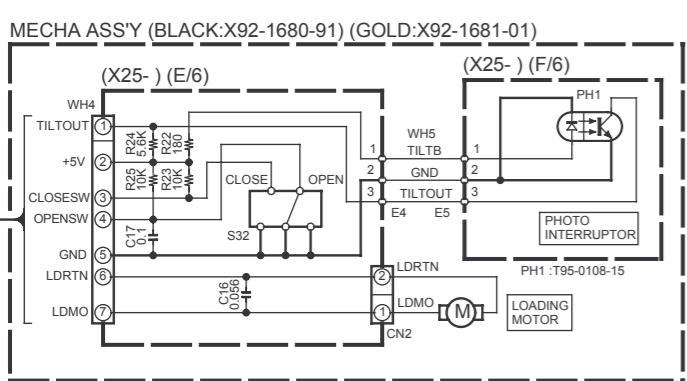
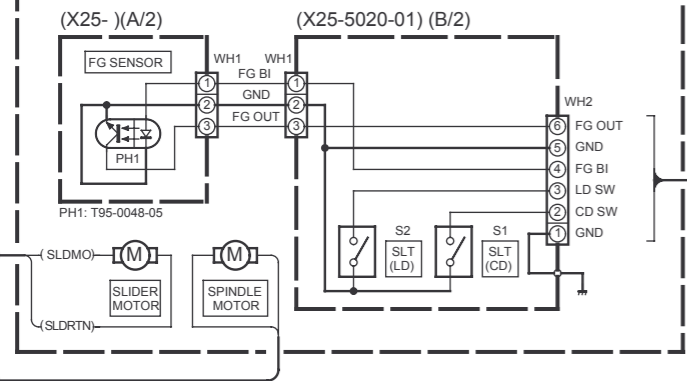
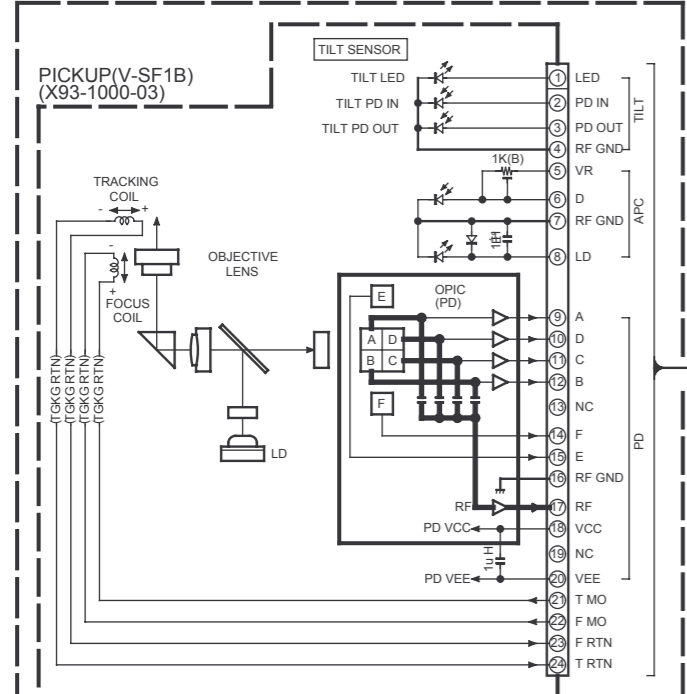


X25 - 5983-00 A/6





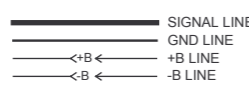
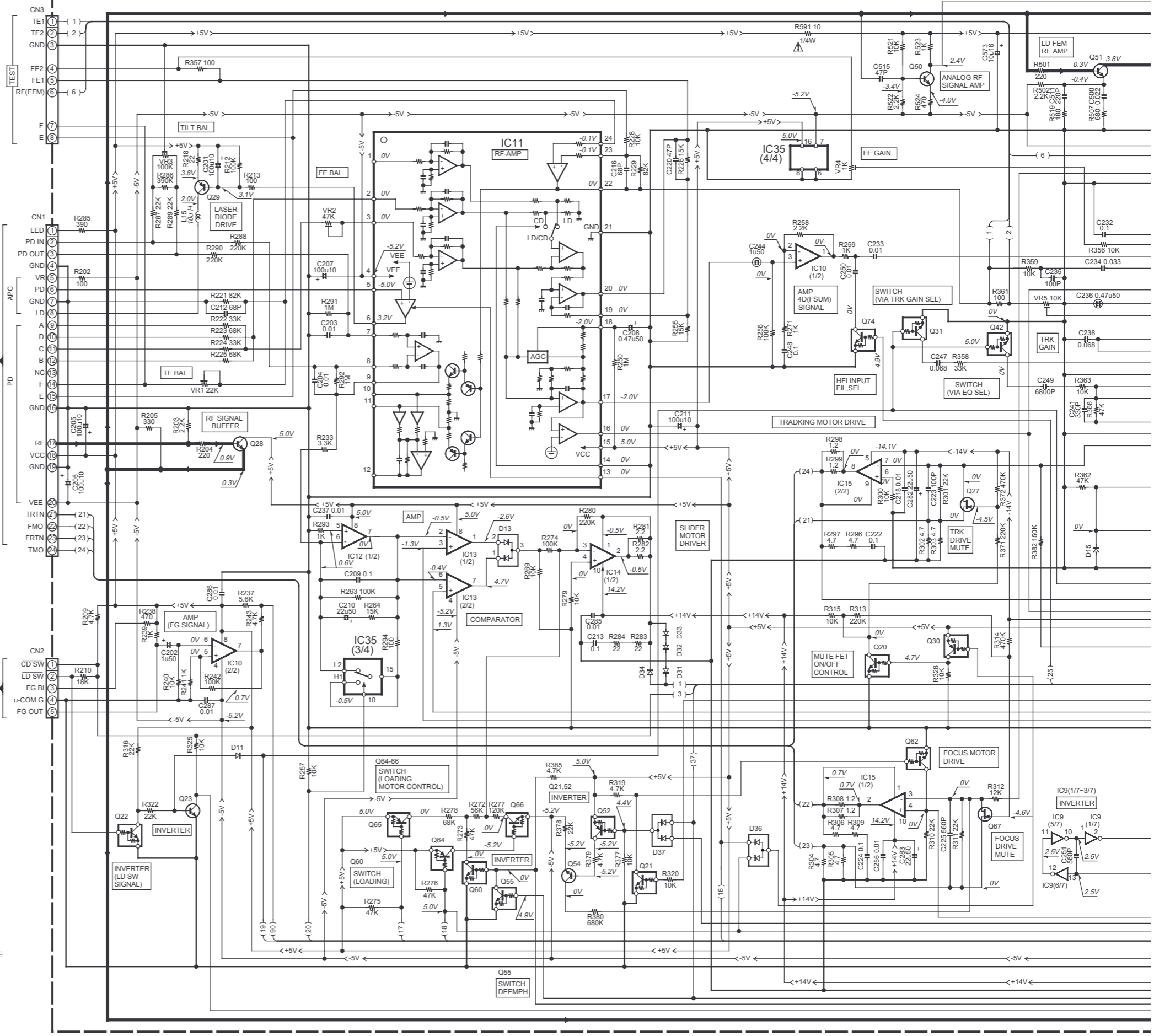
MECHA ASS'Y (X92-1621-01)

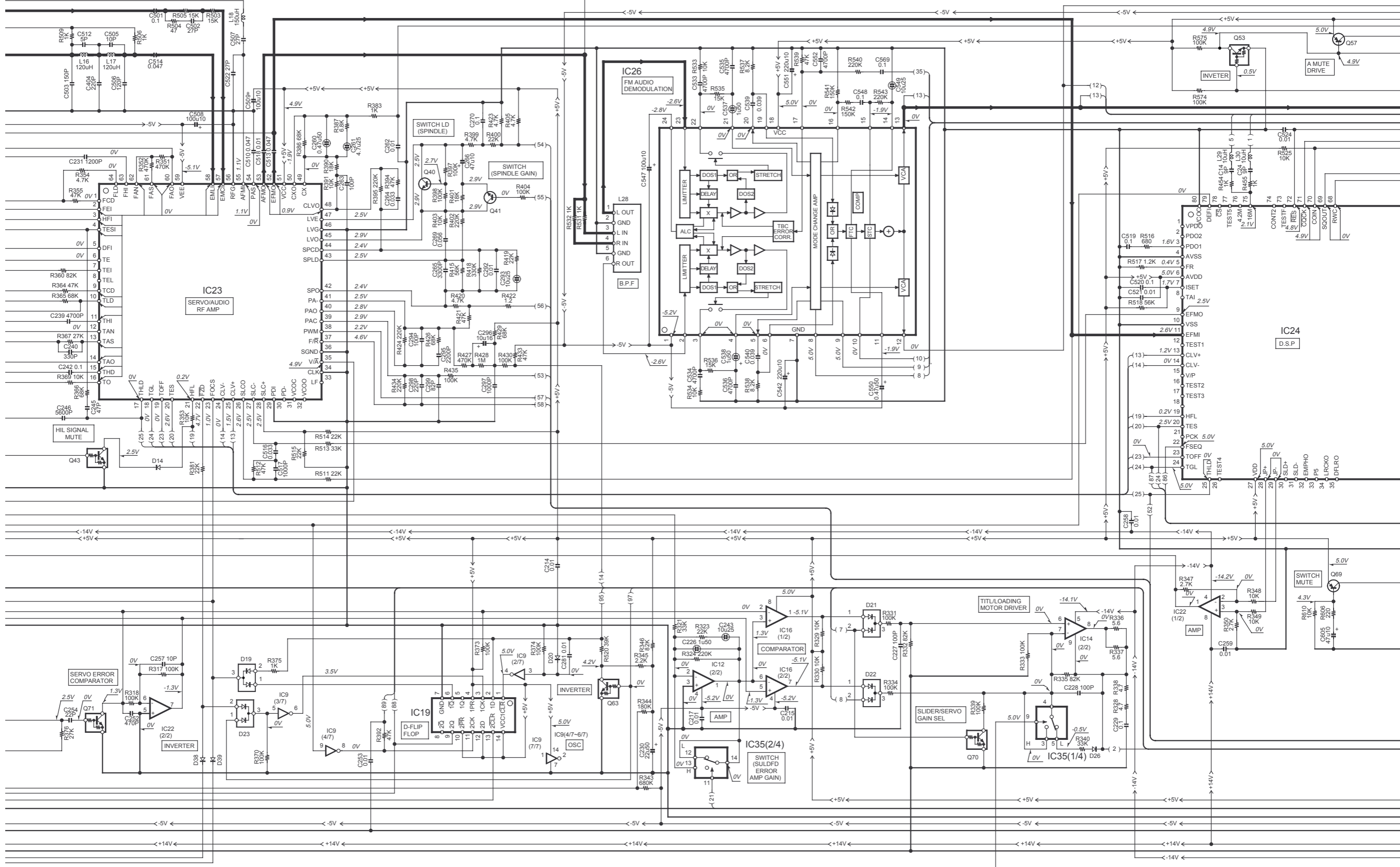


- |         |                          |                      |                       |
|---------|--------------------------|----------------------|-----------------------|
| IC9     | : TC74HC04AF             | D11,14,15,20,26      | : 1SS33 or HSS104     |
| IC10    | : NJM4565M               | D13,19               | : DA204U              |
| IC11    | : LA9425                 | D21-23,37            | : DAN202U             |
| IC14,15 | : TA8410AK               | D24,25,27,38,39,60,7 | : MA110               |
| IC16    | : NJM2903                | D29,30,36            | : DAP202U             |
| IC19    | : TC74HC74AF             | D31-34               | : S5888B or 1SRB9-400 |
| IC23    | : LA9420M/KMT or LA9420M | D35                  | : 1SV101              |
| IC24    | : LC7830E                |                      |                       |
| IC26    | : CA0002AM               |                      |                       |
| IC30    | : NJM2058M               |                      |                       |
| IC35    | : TC4053BF               |                      |                       |

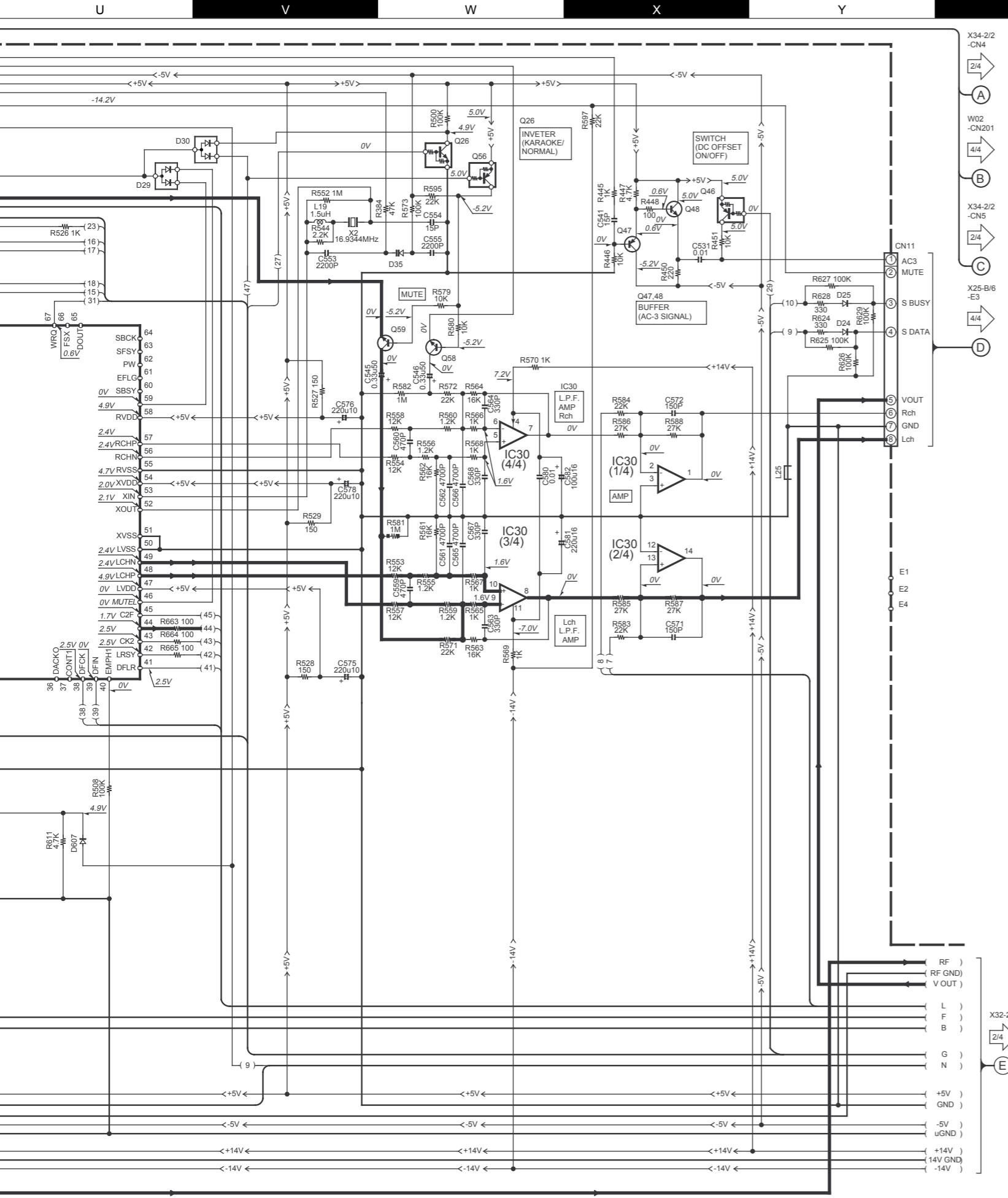
- Q20-22,26,42,43,46,52,53,55,56,60,62,63,66,70,71,74,76  
UN5212 or DTC124EUA
- Q23,40,41,48,50,51,54,58,59  
2SC4081(R,S)  
2SK163(L,M)  
2SC331A(Q,R) or 2SC2458(Y,GR)  
UN5112 or DTA124EUA  
UN5112 or DTC124EUA  
2SA1576(R,S)
- Q27,67 : 2SK163(L,M)  
Q28 : 2SC331A(Q,R) or 2SC2458(Y,GR)  
Q30,61,68 : UN5112 or DTA124EUA  
Q31 : UN5112 or DTC124EUA  
Q47,57,69 : 2SA1576(R,S)

(X34-1033-00) (1/2)









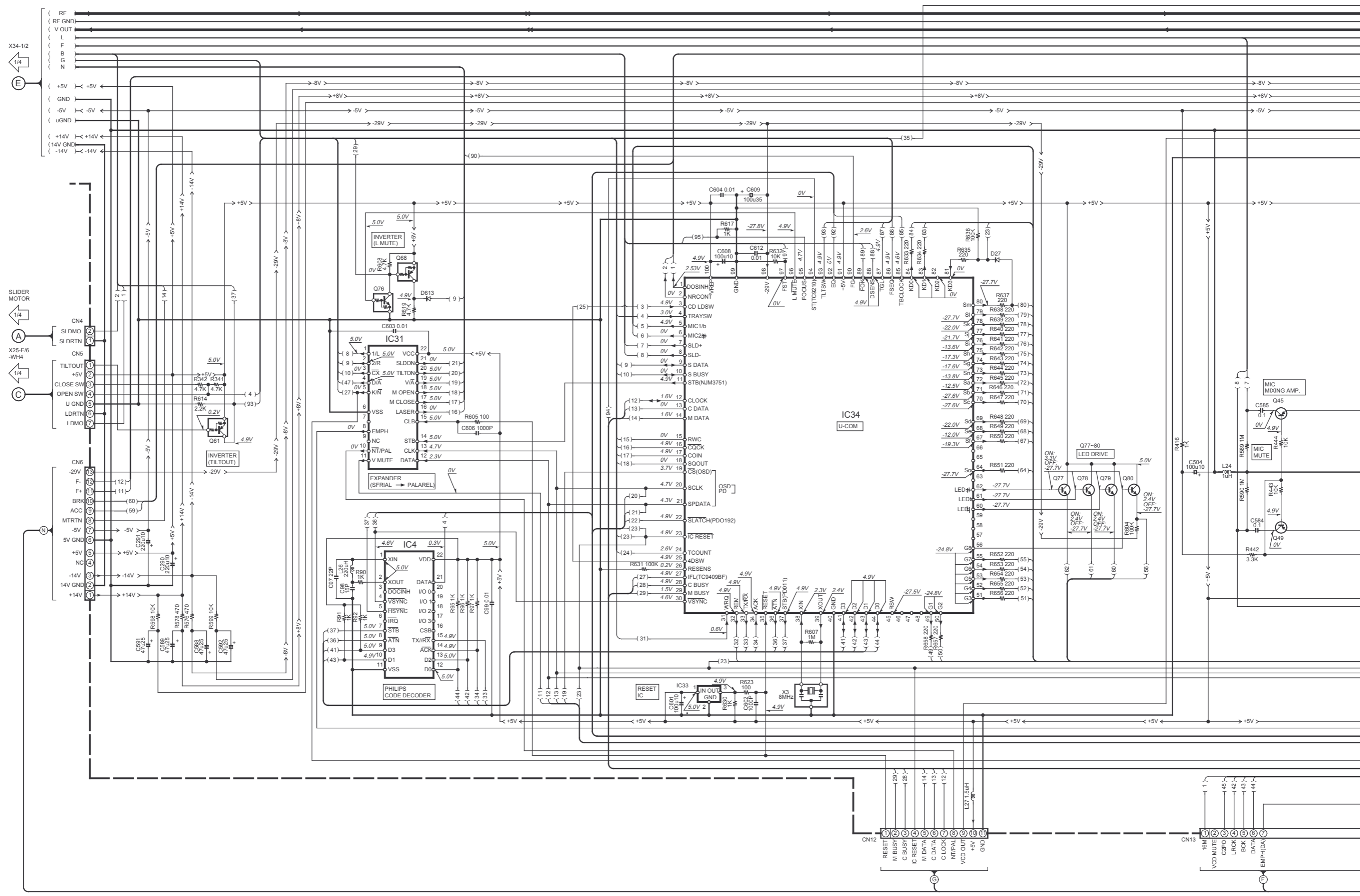
LD-K300V(M) (1/4)

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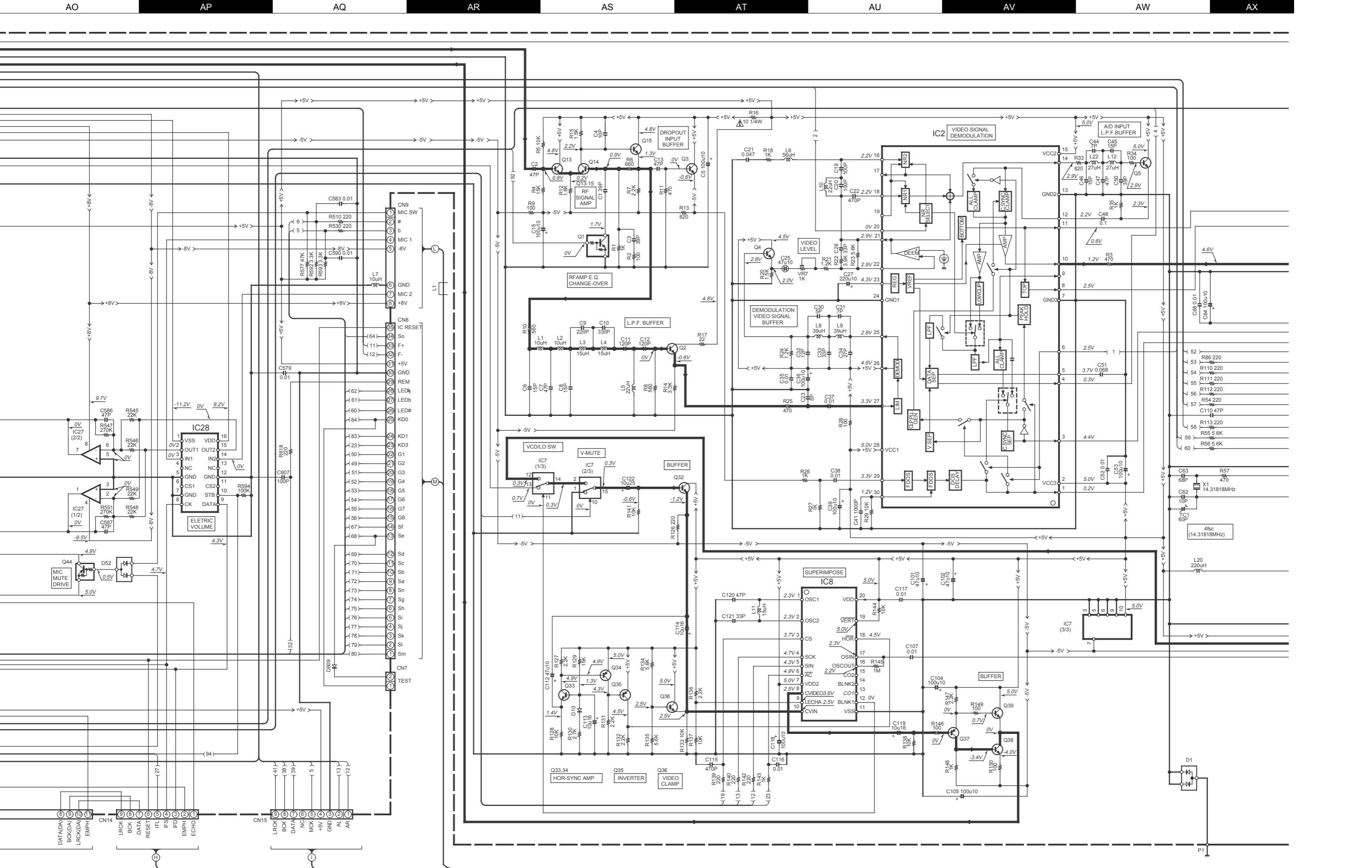
- |                              |                      |   |                    |         |
|------------------------------|----------------------|---|--------------------|---------|
| 2SA954<br>2SC2003<br>2SC2878 | DTC124ESA<br>2SC2458 | 2SA1576<br>2SC2714<br>2SC4081   | UN4212<br>2SC3311A | TC9210P |
| TA8410AK                     | NJM2903M<br>NJM4565M | DAN202U   | DAP202U<br>DA204U  | UN5212  |
| 2SK163                       | HM62256BLFP12T       | TC74HCT7007AFE<br>TC74HC004AF<br>TC74HC00AFE<br>TC74HC14AFE<br>TC74HC74AF | NJM2058M           |         |
| CA0002AM                     | NJU3715G             | LC78630E  | LA9420M<br>PD0192A |         |
| NJM4565L                     | LA9425               | TC4053BF  | PD0011A-SP         |         |

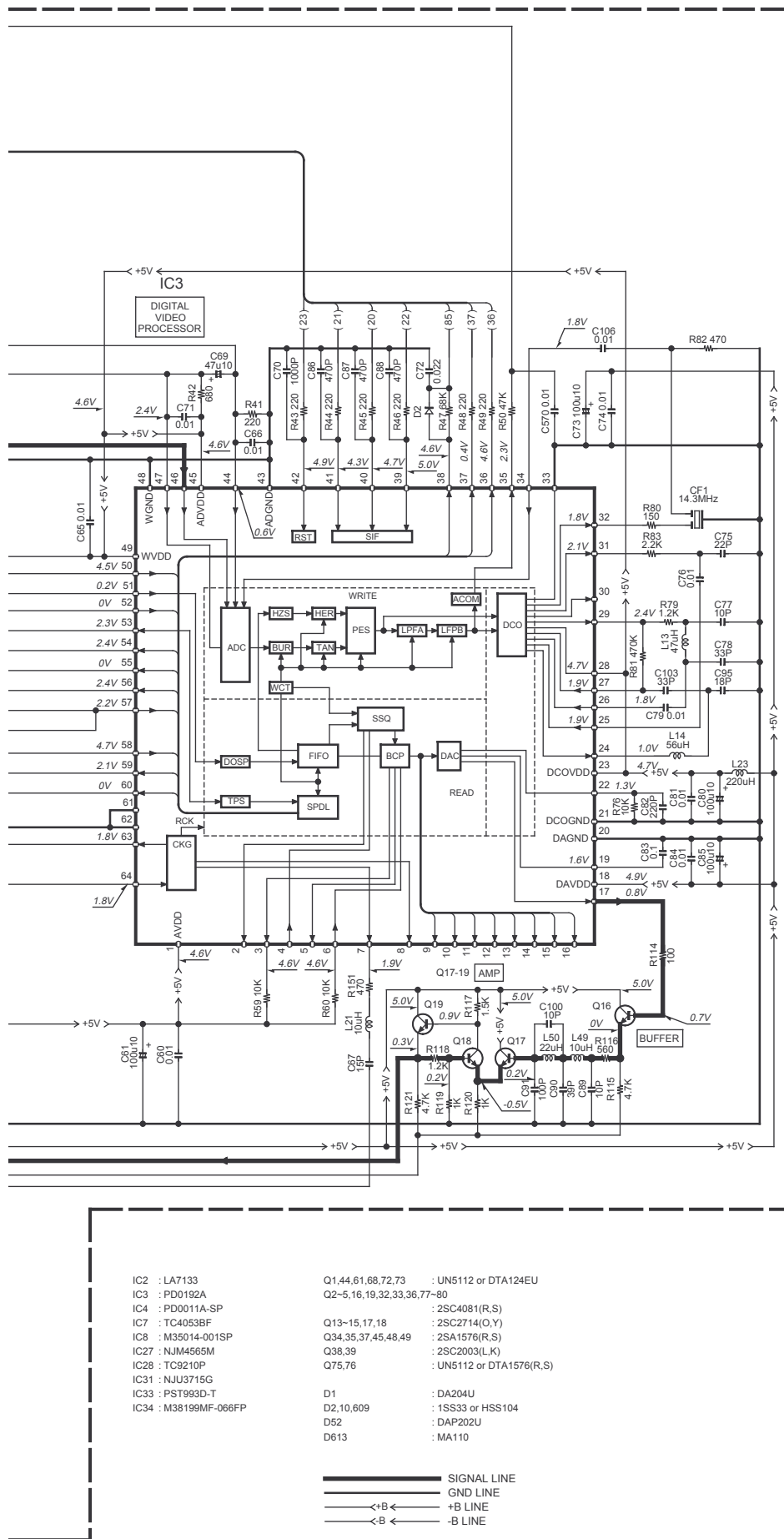
(X34-1033-00)(2/2)



1  
2  
3  
4  
5  
6  
7







IC2 : LA7133  
 IC3 : PD0192A  
 IC4 : PD0011A-SP  
 IC7 : TC4053BF  
 IC8 : M35014-001SP  
 IC27 : NJM4565M  
 IC28 : TC9210P  
 IC31 : NJU3715G  
 IC33 : PST993D-T  
 IC34 : M38199MF-066FP

Q1,44,61,68,72,73 : UN5112 or DTA124EU  
 Q2-5,16,19,32,33,36,77-80  
 Q13-15,17,18 : 2SC4081(R,S)  
 Q34,35,37,45,48,49 : 2SA1576(R,S)  
 Q38,39 : 2SC2003(L,K)  
 Q75,76 : UN5112 or DTA1576(R,S)  
 D1 : DA204U  
 D2,10,609 : 1S533 or HSS104  
 D52 : DAP202U  
 D613 : MA110

— SIGNAL LINE  
 — GND LINE  
 — +B LINE  
 — -B LINE

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X35 -CN1  
 3/4

(F)  
 X35 -CN2  
 3/4

(G)  
 X13-A/2 -CN1  
 4/4

(H)  
 X13-A/2 -CN2  
 4/4

(I)  
 X25-C/6 -WH1  
 4/4

(L)  
 X25-A/6 -CN1  
 4/4

(M)  
 W02 -CN202  
 4/4

(N)

LD-K300(M) (2/4)

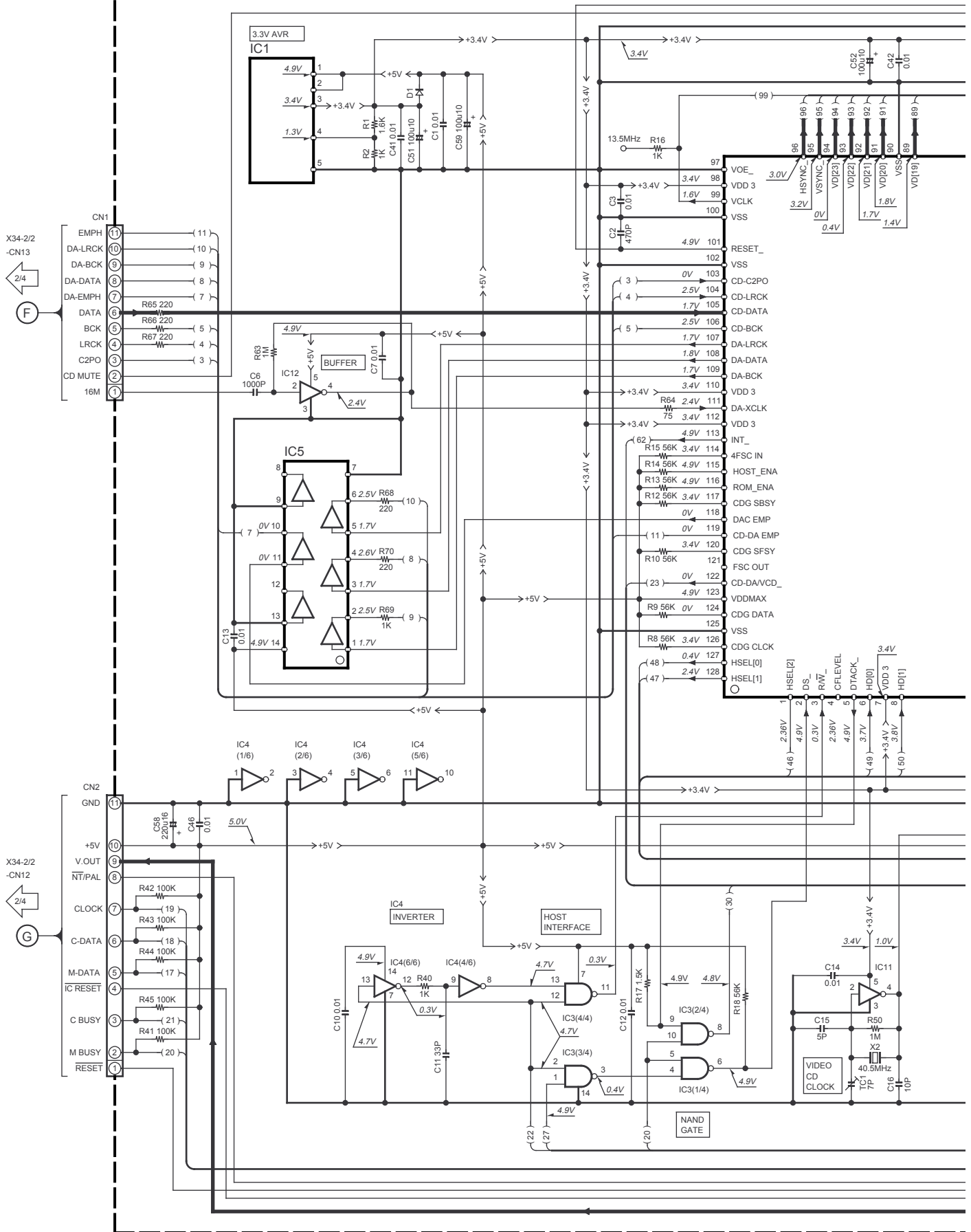
Y22-7123-00

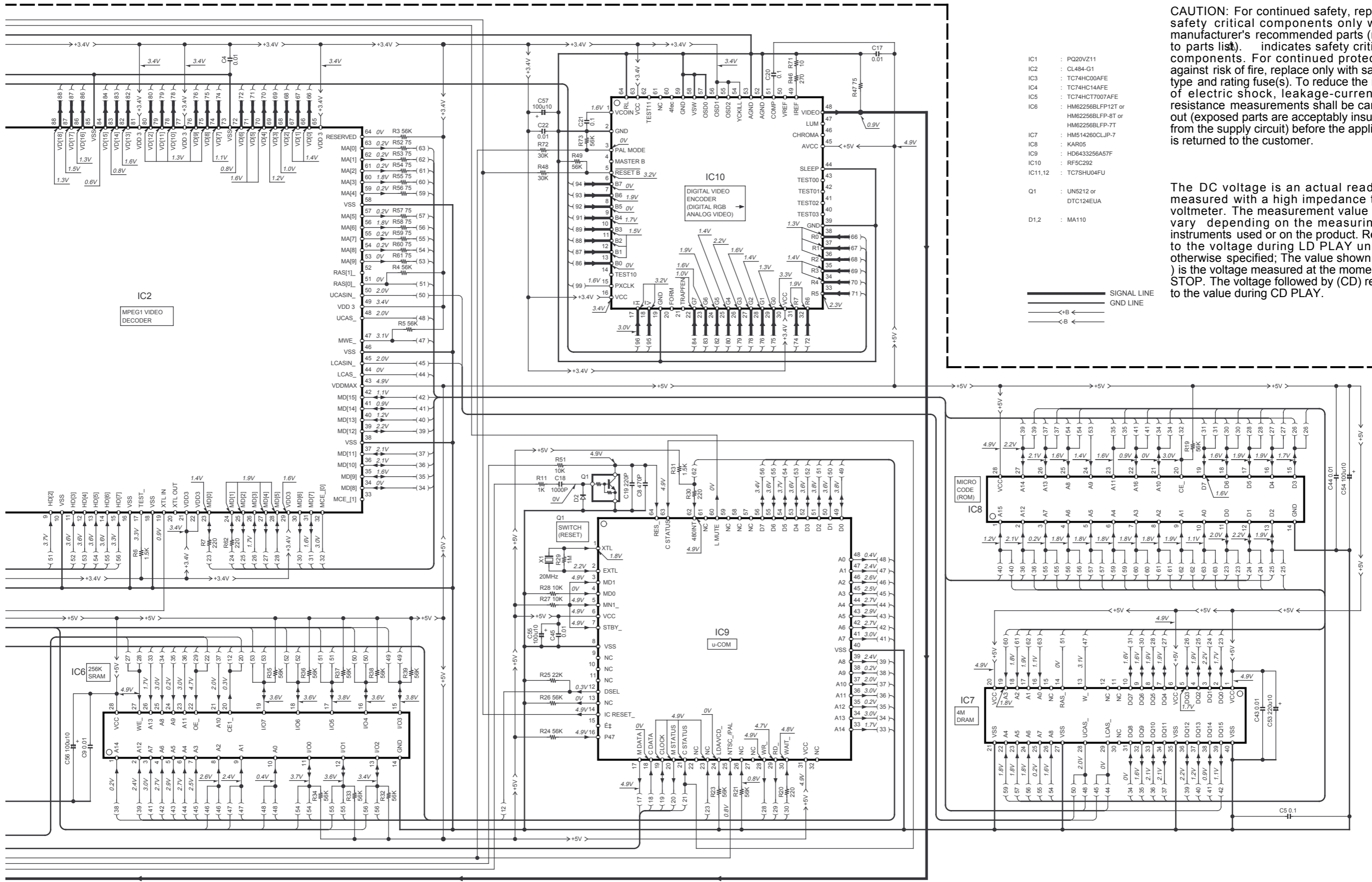
LD-K300V

KENWOOD



(X35-2170-20)



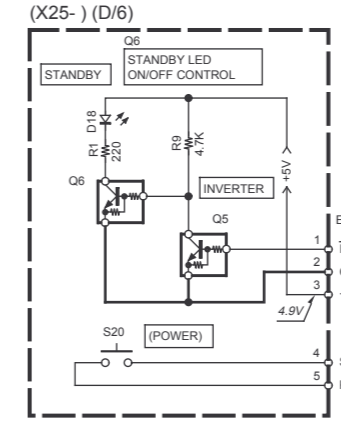
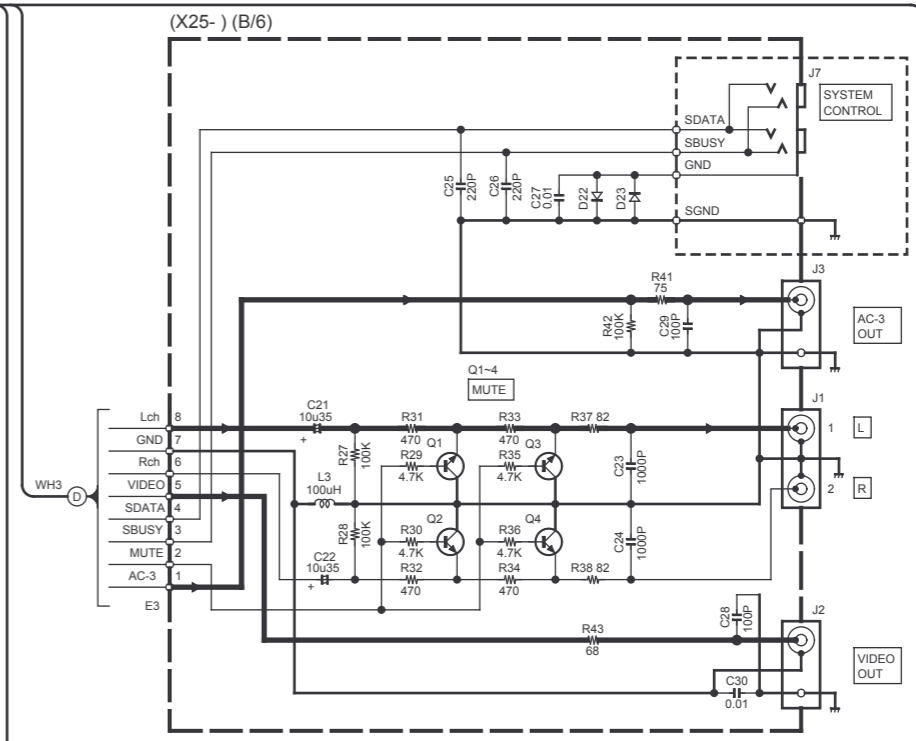
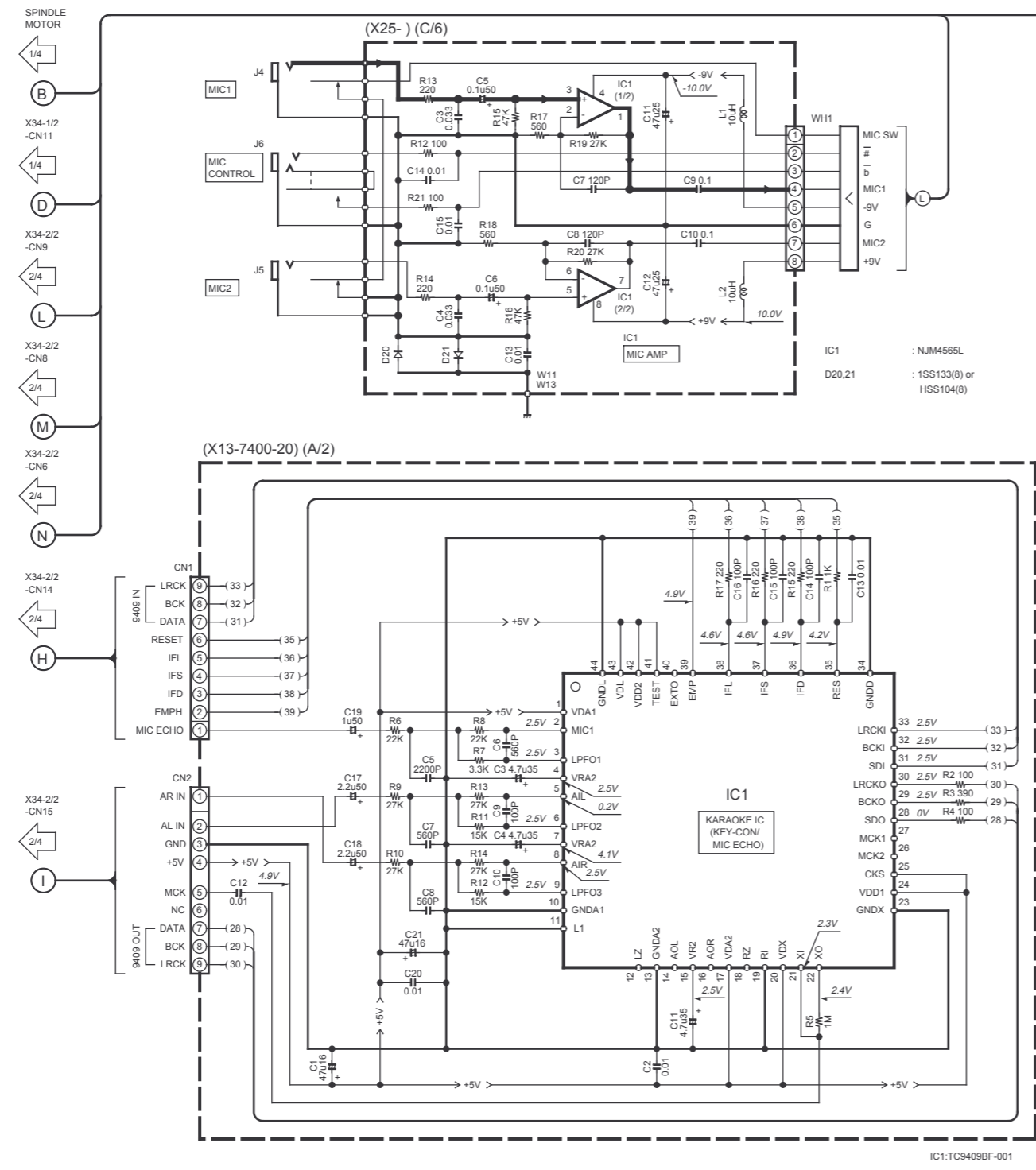


- IC1 : PQ20VZ11
  - IC2 : CL484-G1
  - IC3 : TC74HC00AFE
  - IC4 : TC74HC14AFE
  - IC5 : TC74HCT700AFE
  - IC6 : HM62256BLFP12T or HM62256BLFP-8T or HM62256BLFP-7T
  - IC7 : HM514260CLJP-7
  - IC8 : KAR05
  - IC9 : HD6433256A57F
  - IC10 : RF5C292
  - IC11,12 : TC7SHU04FU
  - Q1 : UN5212 or DTC124EUA
  - D1,2 : MA110
- SIGNAL LINE  
 ——— GND LINE  
 <B ←  
 <B ←

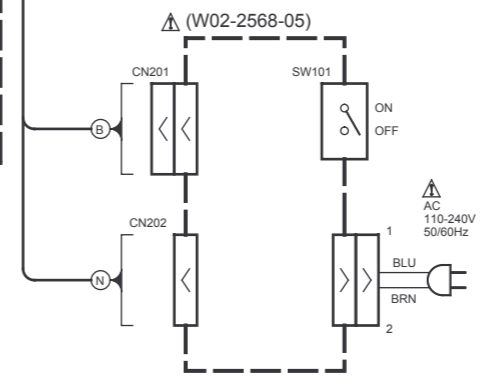
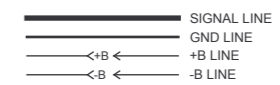
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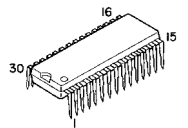




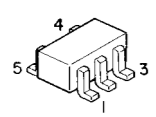
- D2-12,22,23 : 1SS133(B) or HSS104(8)
- D15,17 : B30-2467-05
- D16 : B30-2430-05
- D18 : B30-2513-05(9)
- Q1-4 : 2SC2878(B)(9)
- Q5,6 : DTC124ESA or UN4212
- PH1 : T95-0108-15
- ED1 : 8-MT-114GK
- A1 : W02-2537-05



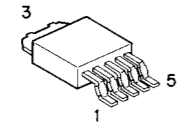
LA7133



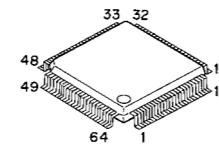
TC7SHU04FU



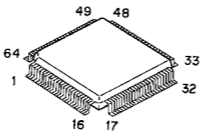
PQ20VZ11



LA9420MKMT



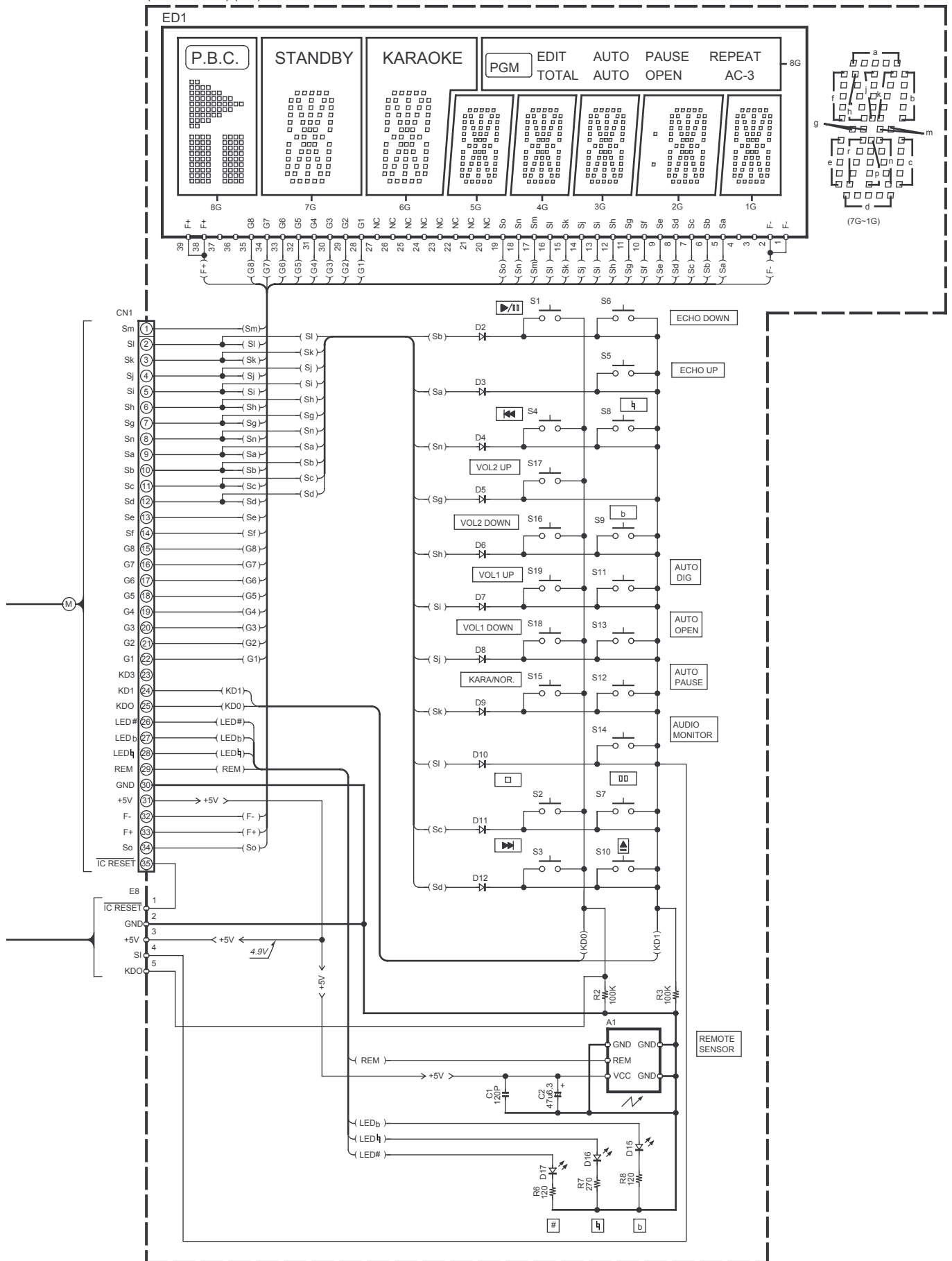
RF5C292



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **u** indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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(X25-5983-00) (A/6)



LD-K300V (4/4)

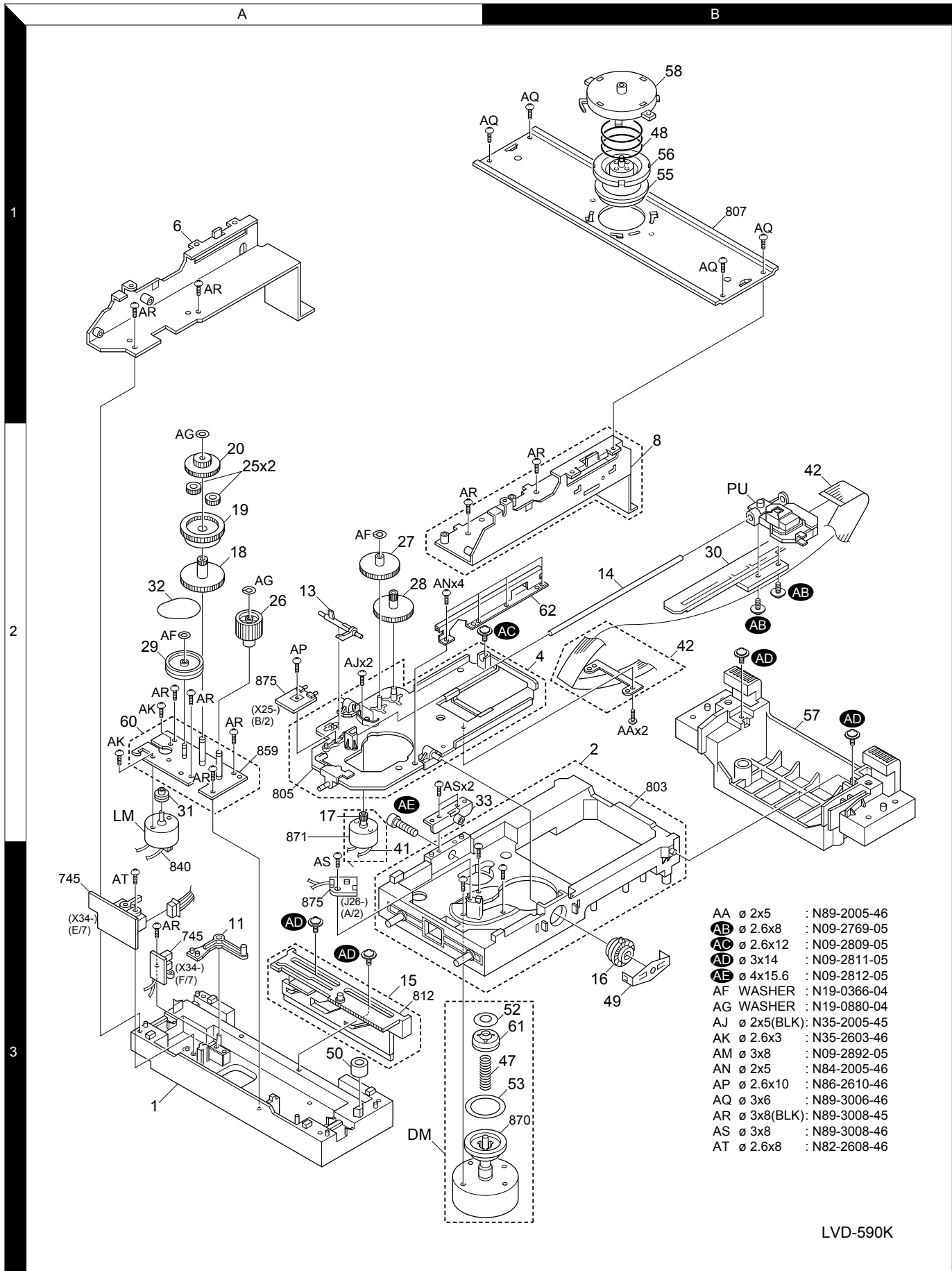
# LD-K300V

Y22-7123-00

# KENWOOD

# LD-K300V

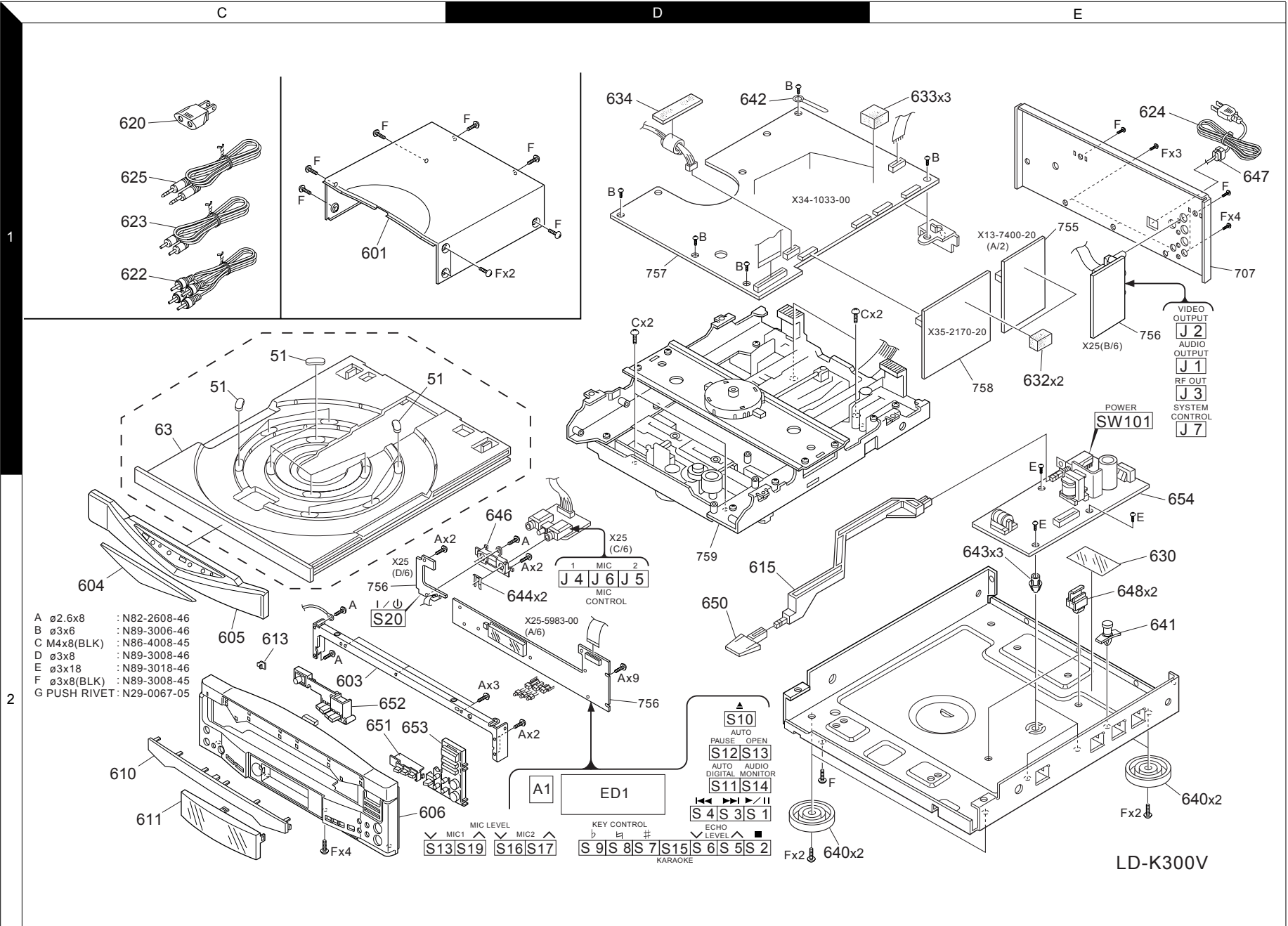
## EXPLODED VIEW (CD MECHANISM)



LVD-590K



Parts with the exploded numbers larger than 700 are not supplied.



EXPLODED VIEW (UNIT)

LD-K300V

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①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
<b>LD-K300V</b>						
601	1C	*	A01-3440-01	METALLIC CABINET		
605	2C	*	A29-0865-01	PANEL		
606	2C	*	A60-1155-11	PANEL		
610	2C	*	B07-2359-12	ESCUTCHEON		
611	2C	*	B10-2361-13	FRONT GLASS		
613	2C	*	B12-0316-04	INDICATOR		
-	-	*	B11-0357-04	FILTER		
-	-	*	B46-0096-53	WARRANTY CARD	X	
-	-		B46-0310-03	WARRANTY CARD	TE	
-	-		B46-0326-03	WARRANTY CARD	C	
-	-		B58-0945-03	CAUTION CARD	T	
-	-	*	B58-0965-13	CAUTION CARD (T,X PL)	XT	
-	-	*	B58-0966-13	CAUTION CARD (EL PL)	EM	
-	-	*	B58-1521-13	CAUTION CARD	C	
-	-	*	B58-1546-03	CAUTION CARD	C	
-	-	*	B60-3253-00	INSTRUCTION MANUAL(ENG)	CXT	
-	-	*	B60-3253-00	INSTRUCTION MANUAL(ENG)	M	
-	-	*	B60-3254-00	INSTRUCTION MANUAL(FRN/GER)	E	
-	-	*	B60-3255-00	INSTRUCTION MANUAL(CHIN)	C	
-	-	*	B60-3256-00	INSTRUCTION MANUAL(TAIWAN)	M	
-	-	*	B60-3381-00	INSTRUCTION MANUAL(DUTCH/ITAL)	E	
-	-	*	B60-3382-00	INSTRUCTION MANUAL(SPAN)	EM	
615	2D	*	D21-1871-03	EXTENSION SHAFT		
△ 620	1C		E03-0115-05	AC PLUG ADAPTER	M	
622	1C		E30-0505-05	AUDIO CORD		
623	1C		E30-1427-05	AUDIO CORD		
△ 624	1E		E30-2592-15	AC POWER CORD	EM	
△ 624	1E		E30-2717-05	AC POWER CORD	X	
△ 624	1E		E30-2721-05	AC POWER CORD	T	
△ 624	1E		E30-2825-05	AC POWER CORD	C	
625	1C		E30-2733-05	CORD WITH PLUG		
630	2E		F20-1492-04	INSULATING BOARD		
632	1E		G11-0142-04	SOFT TAPE (25X15X10)		
633	1D,1E		G11-0418-04	CUSHION (20X20X20)		
634	1D		G11-1050-04	SOFT TAPE		
-	-	*	G11-2018-04	SOFT TAPE		
-	-	*	G11-2341-04	CUSHION		
-	-	*	H13-0282-04	CARTON BOARD	X	
-	-	*	H10-7316-02	POLYSTYRENE FOAMED FIXTURE		
-	-	*	H10-7317-12	POLYSTYRENE FOAMED FIXTURE		
-	-	*	H12-2331-04	PACKING FIXTURE	T	
-	-	*	H20-0568-04	PROTECTION COVER	CM	
-	-		H25-0232-04	PROTECTION BAG (235X350X0.03)	CXEM	
-	-		H25-0651-04	PROTECTION BAG	T	
-	-		H25-0661-04	PROTECTION BAG	XTE	
-	-	*	H50-2424-04	ITEM CARTON CASE	C	
-	-	*	H50-2425-04	ITEM CARTON CASE	X1E1M1	
-	-	*	H50-2518-04	ITEM CARTON CASE	T1	

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640	2D,2E		J02-1188-03	FOOT		
641	1E		J19-2598-05	HOLDER		
642	1D		J19-2808-05	HOLDER		
643	2E		J19-3721-14	UNIT HOLDER		
△ 647	1E		J42-0083-05	POWER CORD BUSHING		
648	2E		J50-0133-05	HINGE		
-	-		J61-0088-05	WIRE BAND		
-	-		J61-0101-05	WIRE BAND		
-	-		J61-0307-05	WIRE BAND		
650	2D	*	K27-2233-04	KNOB (BUTTON)		
651	2C	*	K29-6687-03	KNOB		
652	2C	*	K29-6688-02	KNOB		
653	2C	*	K29-6689-02	KNOB		
L1		*	L92-0072-05	FERRITE CORE		
△ 654	2E		W02-2568-35	ELECTRIC CIRCUIT MODULE		
<b>Sub-circuit unit (X13-7400-21)</b>						
C1			CE04KW1C470M	ELECTRO	47UF	16WV
C2			CK45FF1H103Z	CERAMIC	0.010UF	Z
C3 ,4			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C5			CQ92FM1H222J	MYLAR	2200PF	J
C6 -8			CQ92FM1H561J	MYLAR	560PF	J
C9 ,10			CC45FSL1H101J	CERAMIC	100PF	J
C11			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C12 ,13			CK45FF1H103Z	CERAMIC	0.010UF	Z
C14 -16			CC45FSL1H101J	CERAMIC	100PF	J
C17 ,18			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C19			CE04KW1H010M	ELECTRO	1.0UF	50WV
C20			CK45FF1H103Z	CERAMIC	0.010UF	Z
C21			CE04KW1C470M	ELECTRO	47UF	16WV
CN1 ,2			E40-4259-05	PIN ASSY		
IC1			TC9409BF-001	MOS-IC		
<b>Display unit (X25-5983-00)</b>						
D15			B30-2467-05	LED		
D16			B30-2430-05	LED		
D17			B30-2467-05	LED		
D18			B30-2513-05	LED(RED)		
C1			CC45FSL1H121J	CERAMIC	120PF	J
C2			CE04KW1A470M	ELECTRO	47UF	10WV
C3 ,4			CQ93FMG1H333J	MYLAR	0.033UF	J
C5 ,6			CE04KW1H0R1M	ELECTRO	0.1UF	50WV
C7 ,8			CC45FSL1H121J	CERAMIC	120PF	J
C9 ,10			CF92FV1H104J	MF-C	0.10UF	J
C11 ,12			CE04KW1E470M	ELECTRO	47UF	25WV
C13 -15			CK45FF1H103Z	CERAMIC	0.010UF	Z
C16			CQ93FMG1H563J	MYLAR	0.056UF	J
C17			CF92FV1H104J	MF-C	0.10UF	J
C21 ,22			CE04KW1V100M	ELECTRO	10UF	35WV
C23 ,24			CQ93FMG1H102J	MYLAR	1000PF	J

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C25 ,26			CC45FSL1H221J	CERAMIC 220PF J		
C27			CK45FF1H103Z	CERAMIC 0.010UF Z		
C28 ,29			CC45FSL1H101J	CERAMIC 100PF J		
C30			CK45FF1H103Z	CERAMIC 0.010UF Z		
CN1			E40-4960-05	FLAT CABLE CONNECTOR		
CN2			E40-3246-05	PIN ASSY		
J1			E63-0122-05	PHONO JACK		
J2			E63-0130-05	PHONO JACK		
J3			E63-0116-05	PHONO JACK		
J4 ,5			E11-0366-05	PHONE JACK		
J6			E11-0200-05	MINIATURE PHONE JACK(5P)		
J7			E11-0188-05	MINIATURE PHONE JACK(2P)		
-			J19-5707-04	HOLDER		
-		*	J19-5826-04	HOLDER		
L1 ,2			L40-1001-58	SMALL FIXED INDUCTOR(10UH,K)		
L3		*	L40-1011-58	SMALL FIXED INDUCTOR(100UH,K)		
S1 -20			S70-0031-05	TACT SWITCH		
S32			S64-0001-05	LEVER SWITCH		
PH1			T95-0108-15	OPTO ISOLATOR		
D2 -12			HSS104	DIODE		
D2 -12			1SS133	DIODE		
D20 -23			HSS104	DIODE		
D20 -23			1SS133	DIODE		
ED1			8-MT-114GK	INDICATOR TUBE		
IC1			NJM4565L	ANALOGUE IC		
Q1 -4			2SC2878(B)	TRANSISTOR		
Q5 ,6			DTC124ESA	DIGITAL TRANSISTOR		
Q5 ,6			UN4212	DIGITAL TRANSISTOR		
A1			W02-2537-05	ELECTRIC CIRCUIT MODULE		
<b>LD player unit (X34-1033-00)</b>						
C1			CC73FSL1H390J	CHIP C 39PF J		
C2			CC73FSL1H470J	CHIP C 47PF J		
C3			CC73FSL1H390J	CHIP C 39PF J		
C4			CC73FSL1H100D	CHIP C 10PF D		
C5			CE04KW1A101M	ELECTRO 100UF 10WV		
C6			CC73FSL1H150J	CHIP C 15PF J		
C7			CC73FSL1H470J	CHIP C 47PF J		
C8			CC73FSL1H150J	CHIP C 15PF J		
C9			CC73FSL1H221J	CHIP C 220PF J		
C10			CC73FSL1H331J	CHIP C 330PF J		
C11 ,12			CC73FSL1H121J	CHIP C 120PF J		
C13			CC73FSL1H470J	CHIP C 47PF J		
C14		*	CC73FSL1H090D	CHIP C 9.0PF D		
C15			CE04KW1A101M	ELECTRO 100UF 10WV		
C19 ,20			CC73FSL1H101J	CHIP C 100PF J		
C21			CQ93FMG1H473J	MYLAR 0.047UF J		
C22			CC73FSL1H471J	CHIP C 470PF J		
C23			CC73FSL1H050C	CHIP C 5.0PF C		
C24		*	CC73FSL1H090D	CHIP C 9.0PF D		
C25			CE04HW1A470M	NP-ELEC 47UF 10WV		
C26			CC73FSL1H330J	CHIP C 33PF J		

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C27			CE04KW1A221M	ELECTRO 220UF 10WV		
C30			CC73FSL1H050C	CHIP C 5.0PF C		
C31			CC73FSL1H070D	CHIP C 7.0PF D		
C32			CC73FSL1H120J	CHIP C 12PF J		
C33			CC73FSL1H330J	CHIP C 33PF J		
C34			CC73FSL1H270J	CHIP C 27PF J		
C35			CK73FB1H103K	CHIP C 0.010UF K		
C36			CE04KW1A101M	ELECTRO 100UF 10WV		
C37 ,38			CK73FB1H103K	CHIP C 0.010UF K		
C39			CE04KW1A101M	ELECTRO 100UF 10WV		
C41			CK73FB1H102K	CHIP C 1000PF K		
C44			CC73FSL1H070D	CHIP C 7.0PF D		
C45 ,46			CC73FSL1H150J	CHIP C 15PF J		
C47			CC73FSL1H470J	CHIP C 47PF J		
C48			CF92FV1H104J	MF-C 0.10UF J		
C50			CC73FSL1H390J	CHIP C 39PF J		
C51			CQ93FMG1H683J	MYLAR 0.068UF J		
C52			CK45FF1H103Z	CERAMIC 0.010UF Z		
C53			CE04KW1A101M	ELECTRO 100UF 10WV		
C60			CK73FB1H103K	CHIP C 0.010UF K		
C61			CE04KW1A101M	ELECTRO 100UF 10WV		
C62			CC73FSL1H100D	CHIP C 10PF D		
C63			CC73FSL1H680J	CHIP C 68PF J		
C64			CE04KW1A101M	ELECTRO 100UF 10WV		
C65 ,66			CK73FB1H103K	CHIP C 0.010UF K		
C67			CC73FSL1H150J	CHIP C 15PF J		
C68			CK73FB1H103K	CHIP C 0.010UF K		
C69			CE04KW1A470M	ELECTRO 47UF 10WV		
C70			CK73FB1H102K	CHIP C 1000PF K		
C71			CK73FB1H103K	CHIP C 0.010UF K		
C72			CQ93FMG1H223J	MYLAR 0.022UF J		
C73			CE04KW1A101M	ELECTRO 100UF 10WV		
C74			CK73FB1H103K	CHIP C 0.010UF K		
C75			CC73FSL1H220J	CHIP C 22PF J		
C76			CK73FB1H103K	CHIP C 0.010UF K		
C77			CC73FSL1H100D	CHIP C 10PF D		
C78			CC73FSL1H330J	CHIP C 33PF J		
C79			CK73FB1H103K	CHIP C 0.010UF K		
C80			CE04KW1A101M	ELECTRO 100UF 10WV		
C81			CK73FB1H103K	CHIP C 0.010UF K		
C82			CC73FSL1H221J	CHIP C 220PF J		
C83			CF92FV1H104J	MF-C 0.10UF J		
C84			CK73FB1H103K	CHIP C 0.010UF K		
C85			CE04KW1A101M	ELECTRO 100UF 10WV		
C86 -88			CC73FSL1H471J	CHIP C 470PF J		
C89			CC73FSL1H100D	CHIP C 10PF D		
C90			CC73FSL1H390J	CHIP C 39PF J		
C91			CC73FSL1H101J	CHIP C 100PF J		
C95			CC73FSL1H180J	CHIP C 18PF J		
C97			CC73FSL1H220J	CHIP C 22PF J		
C98			CC73FSL1H150J	CHIP C 15PF J		
C99			CK73FB1H103K	CHIP C 0.010UF K		
C100			CC73FSL1H100D	CHIP C 10PF D		
C101,102			CE04KW1A470M	ELECTRO 47UF 10WV		
C103			CC73FSL1H330J	CHIP C 33PF J		

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PARTS LIST

LD-K300V



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C104,105			CE04KW1A101M	ELECTRO		
C106			CK73FB1H103K	CHIP C		
C107			CK45FF1H103Z	CERAMIC		
C110			CC73FSL1H470J	CHIP C		
C112			CE04KW1A470M	ELECTRO		
C113,114			CE04KW1C100M	ELECTRO		
C115			CC73FSL1H471J	CHIP C		
C116,117			CK73FB1H103K	CHIP C		
C118			CE04KW1A101M	ELECTRO		
C119			CE04KW1C100M	ELECTRO		
C120			CC73FSL1H470J	CHIP C		
C121			CC73FSL1H330J	CHIP C		
C122			CE04KW1C100M	ELECTRO		
C201			CE04KW1A101M	ELECTRO		
C202			CE04KW1H010M	ELECTRO		
C203,204			CK73FB1H103K	CHIP C		
C205-207			CE04KW1A101M	ELECTRO		
C208			CE04KW1HR47M	ELECTRO		
C209			CF92FV1H104J	MF-C		
C210			CE04KW1H220M	ELECTRO		
C211			CE04KW1A101M	ELECTRO		
C212			CC73FSL1H680J	CHIP C		
C213			CF92FV1H104J	MF-C		
C214,215			CK73FB1H103K	CHIP C		
C216			CC73FSL1H680J	CHIP C		
C217,218			CK73FB1H103K	CHIP C		
C220			CC73FSL1H470J	CHIP C		
C222			CF92FV1H104J	MF-C		
C223			CC73FSL1H101J	CHIP C		
C224			CF92FV1H104J	MF-C		
C225			CC73FSL1H561J	CHIP C		
C226			CE04HW1H010M	NP-ELEC		
C227,228			CC45FSL1H101J	CERAMIC		
C229			CF92FV1H104J	MF-C		
C230			CE04KW1H220M	ELECTRO		
C231			CK73FB1H122K	CHIP C		
C232			CF92FV1H104J	MF-C		
C233			CQ93FMG1H103J	MYLAR		
C234			CQ93FMG1H333J	MYLAR		
C235			CC73FSL1H101J	CHIP C		
C236			CE04HW1HR47M	NP-ELEC		
C237			CK45FF1H103Z	CERAMIC		
C238			CQ93FMG1H683J	MYLAR		
C239			CQ93FMG1H472J	MYLAR		
C240,241			CC73FSL1H331J	CHIP C		
C242			CF92FV1H104J	MF-C		
C243			CE04HW1E100M	NP-ELEC		
C244			CE04HW1H010M	NP-ELEC		
C245			CC73FSL1H470J	CHIP C		
C246			CQ93FMG1H562J	MYLAR		
C247			CQ93FMG1H683J	MYLAR		
C248			CF92FV1H104J	MF-C		
C249			CQ93FMG1H682J	MYLAR		
C250			CQ93FMG1H103J	MYLAR		
C251			CQ93FMG1H561J	MYLAR		

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C252			CC73FSL1H471J	CHIP C		
C253			CK73FB1H103K	CHIP C		
C254			CC73FSL1H220J	CHIP C		
C256			CK73FB1H103K	CHIP C		
C257			CC73FSL1H100D	CHIP C		
C258,259			CK73FB1H103K	CHIP C		
C260			CE04HW1HR47M	NP-ELEC		
C261			CE04HW1E4R7M	NP-ELEC		
C262			CK45FF1H103Z	CERAMIC		
C263			CC73FSL1H101J	CHIP C		
C264			CQ93FMG1H333J	MYLAR		
C265			CQ93FMG1H332J	MYLAR		
C266			CE04KW1A470M	ELECTRO		
C269			CQ93FMG1H563J	MYLAR		
C270			CF92FV1H104J	MF-C		
C281			CK45FF1H103Z	CERAMIC		
C282,283			CE04KW1H220M	ELECTRO		
C285-287			CK73FB1H103K	CHIP C		
C290,291			CE04KW1A221M	ELECTRO		
C292			CK45FF1H103Z	CERAMIC		
C293			CE04HW1E100M	NP-ELEC		
C294			CC73FSL1H101J	CHIP C		
C295			CQ93FMG1H222J	MYLAR		
C296			CE04KW1C100M	ELECTRO		
C297			CQ93FMG1H102J	MYLAR		
C298			CC73FSL1H221J	CHIP C		
C299			CC45FSL1H820J	CERAMIC		
C404			CC73FSL1H221J	CHIP C		
C500			CQ93FMG1H223J	MYLAR		
C501			CF92FV1H104J	MF-C		
C502			CC45FSL1H270J	CERAMIC		
C503			CC73FSL1H151J	CHIP C		
C504			CE04KW1A101M	ELECTRO		
C505			CC73FSL1H100D	CHIP C		
C506			CC73FSL1H121J	CHIP C		
C507			CC73FSL1H270J	CHIP C		
C508,509			CE04KW1A101M	ELECTRO		
C510			CQ93FMG1H473J	MYLAR		
C511			CC45FSL1H221J	CERAMIC		
C512			CC73FSL1H050C	CHIP C		
C513,514			CQ93FMG1H473J	MYLAR		
C515			CC73FSL1H470J	CHIP C		
C516			CQ93FMG1H333J	MYLAR		
C517			CQ93FMG1H102J	MYLAR		
C518			CK45FF1H103Z	CERAMIC		
C519,520			CF92FV1H104J	MF-C		
C521			CK73FB1H103K	CHIP C		
C522			CC73FSL1H270J	CHIP C		
C524			CK73FB1H103K	CHIP C		
C531			CK73FB1H103K	CHIP C		
C533-536			CQ93FMG1H472J	MYLAR		
C537,538			CE04HW1H010M	NP-ELEC		
C539,540			CQ93FMG1H393J	MYLAR		
C541			CC73FSL1H150J	CHIP C		
C542			CE04KW1A221M	ELECTRO		

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C545,546			CE04KW1HR33M	ELECTRO 0.33UF 50WV		
C547			CE04KW1A101M	ELECTRO 100UF 10WV		
C548			CF92FV1H104J	MF-C 0.10UF J		
C549			CE04HW1E100M	NP-ELEC 10UF 25WV		
C550			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C551			CE04KW1A221M	ELECTRO 220UF 10WV		
C552			CQ93FMG1H472J	MYLAR 4700PF J		
C553			CK73FB1H222K	CHIP C 2200PF K		
C554			CC73FSL1H150J	CHIP C 15PF J		
C555			CK73FB1H222K	CHIP C 2200PF K		
C559,560			CC73FSL1H471J	CHIP C 470PF J		
C561,562			CQ93FMG1H472J	MYLAR 4700PF J		
C563,564			CC73FSL1H331J	CHIP C 330PF J		
C565,566			CQ93FMG1H472J	MYLAR 4700PF J		
C567,568			CC73FSL1H331J	CHIP C 330PF J		
C569			CK73FB1E104K	CHIP C 0.10UF K		
C570			CK73FB1H103K	CHIP C 0.010UF K		
C571,572			CC73FSL1H151J	CHIP C 150PF J		
C573			CE04KW1C100M	ELECTRO 10UF 16WV		
C575,576			CE04KW1A221M	ELECTRO 220UF 10WV		
C578			CE04KW1A221M	ELECTRO 220UF 10WV		
C579,580			CK73FB1H103K	CHIP C 0.010UF K		
C581			CE04KW1C221M	ELECTRO 220UF 16WV		
C582			CE04KW1C101M	ELECTRO 100UF 16WV		
C583			CK73FB1H103K	CHIP C 0.010UF K		
C584,585			CK73FB1E104K	CHIP C 0.10UF K		
C586,587			CC73FSL1H470J	CHIP C 47PF J		
C588,589			CE04KW1E470M	ELECTRO 47UF 25WV		
C590			CK73FB1H103K	CHIP C 0.010UF K		
C591,592			CE04KW1E470M	ELECTRO 47UF 25WV		
C601			CE04KW1A101M	ELECTRO 100UF 10WV		
C602			CK73FB1H102K	CHIP C 1000PF K		
C603,604			CK73FB1H103K	CHIP C 0.010UF K		
C605			CE04KW1A470M	ELECTRO 47UF 10WV		
C606			CK73FB1H102K	CHIP C 1000PF K		
C607			CC73FSL1H101J	CHIP C 100PF J		
C608			CE04KW1A101M	ELECTRO 100UF 10WV		
C609			CE04KW1V101M	ELECTRO 100UF 35WV		
C612			CK73FB1H103K	CHIP C 0.010UF K		
TC1			C05-0093-05	CERAMIC TRIMMER CAPACITOR(60PF)		
CN1			E40-4164-05	FLAT CABLE CONNECTOR		
CN2			E40-3249-05	PIN ASSY		
CN3			E40-4877-05	PIN ASSY		
CN4			E40-3246-05	PIN ASSY		
CN5			E40-3251-05	PIN ASSY		
CN6			E40-4607-05	PIN ASSY		
CN7			E40-4871-05	PIN ASSY		
CN8			E40-4922-05	FLAT CABLE CONNECTOR		
CN9			E40-3252-05	PIN ASSY		
CN11			E40-4233-05	FLAT CABLE CONNECTOR		
CN12,13			E40-4271-05	SOCKET FOR PIN ASSY		
CN14,15			E40-4269-05	SOCKET FOR PIN ASSY		
E1 ,2			J11-0808-05	WIRE CLAMPER		

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CF1			L72-0588-05	CERAMIC FILTER		
L1 ,2			L40-1001-58	SMALL FIXED INDUCTOR(10UH,K)		
L3 ,4			L40-1501-58	SMALL FIXED INDUCTOR(15UH,K)		
L5			L40-2201-58	SMALL FIXED INDUCTOR(22UH,K)		
L6			L40-5601-58	SMALL FIXED INDUCTOR(56UH,K)		
L7			L40-1001-58	SMALL FIXED INDUCTOR(10UH,K)		
L8 ,9			L40-3901-58	SMALL FIXED INDUCTOR(39UH,K)		
L10			L40-2201-58	SMALL FIXED INDUCTOR(22UH,K)		
L11			L40-1501-58	SMALL FIXED INDUCTOR(15UH,K)		
L12			L40-2701-58	SMALL FIXED INDUCTOR(27UH,K)		
L13			L40-4701-58	SMALL FIXED INDUCTOR(47UH,K)		
L14			L40-5601-58	SMALL FIXED INDUCTOR(56UH,K)		
L15			L40-1001-58	SMALL FIXED INDUCTOR(10UH,K)		
L16 ,17			L40-1211-58	SMALL FIXED INDUCTOR(120UH,K)		
L18			L40-1511-58	SMALL FIXED INDUCTOR(150UH,K)		
L19			L40-1591-58	SMALL FIXED INDUCTOR(1.5UH,K)		
L20			L40-2211-58	SMALL FIXED INDUCTOR(220UH,K)		
L21			L40-1001-58	SMALL FIXED INDUCTOR(10UH,K)		
L22			L40-2701-58	SMALL FIXED INDUCTOR(27UH,K)		
L23			L40-2211-58	SMALL FIXED INDUCTOR(220UH,K)		
L24			L40-1091-17	SMALL FIXED INDUCTOR		
L25			L92-0044-05	FERRITE CORE		
L26			L40-2211-58	SMALL FIXED INDUCTOR(220UH,K)		
L27			L40-1591-58	SMALL FIXED INDUCTOR(1.5UH,K)		
L28			L79-0797-05	LC FILTER		
L29 ,30			L40-1001-58	SMALL FIXED INDUCTOR(10UH,K)		
L49			L40-1001-58	SMALL FIXED INDUCTOR(10UH,K)		
L50			L40-2201-58	SMALL FIXED INDUCTOR(22UH,K)		
X1			L77-2116-05	CRYSTAL RESONATOR(14.3181MHZ)		
X2			L77-2141-05	CRYSTAL RESONATOR(16.9344MHZ)		
X3			L78-0290-05	RESONATOR (8MHZ)		
R1			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R2			RK73FB2A101J	CHIP R 100 J 1/10W		
R4			RK73FB2A153J	CHIP R 15K J 1/10W		
R5			RK73FB2A103J	CHIP R 10K J 1/10W		
R6			RK73FB2A561J	CHIP R 560 J 1/10W		
R7			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R8			RK73FB2A561J	CHIP R 560 J 1/10W		
R10			RK73FB2A561J	CHIP R 560 J 1/10W		
R11			RK73FB2A471J	CHIP R 470 J 1/10W		
R12			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R13			RK73FB2A821J	CHIP R 820 J 1/10W		
R14			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R15			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R16			RD14NB2E100J	RD 10 J 1/4W		
R18			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R20			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R21			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R22			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R23			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R24			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R25			RK73FB2A471J	CHIP R 470 J 1/10W		
R26 ,27			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R29			RK73FB2A103J	CHIP R 10K J 1/10W		

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PARTS LIST

LD-K300V

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R33			RK73FB2A821J	CHIP R	820	J 1/10W
R34			RK73FB2A101J	CHIP R	100	J 1/10W
R35			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R41			RK73FB2A221J	CHIP R	220	J 1/10W
R42			RK73FB2A681J	CHIP R	680	J 1/10W
R43-46			RK73FB2A221J	CHIP R	220	J 1/10W
R47			RK73FB2A683J	CHIP R	68K	J 1/10W
R48,49			RK73FB2A221J	CHIP R	220	J 1/10W
R50			RK73FB2A473J	CHIP R	47K	J 1/10W
R54			RK73FB2A221J	CHIP R	220	J 1/10W
R55,56			RK73FB2A562J	CHIP R	5.6K	J 1/10W
R57			RK73FB2A471J	CHIP R	470	J 1/10W
R59,60			RK73FB2A103J	CHIP R	10K	J 1/10W
R76			RK73FB2A103J	CHIP R	10K	J 1/10W
R79			RK73FB2A122J	CHIP R	1.2K	J 1/10W
R80			RK73FB2A151J	CHIP R	150	J 1/10W
R81			RK73FB2A474J	CHIP R	470K	J 1/10W
R82			RK73FB2A471J	CHIP R	470	J 1/10W
R83			RK73FB2A222J	CHIP R	2.2K	J 1/10W
R86			RK73FB2A221J	CHIP R	220	J 1/10W
R90-92			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R95-97			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R110-113			RK73FB2A221J	CHIP R	220	J 1/10W
R114			RK73FB2A101J	CHIP R	100	J 1/10W
R115			RK73FB2A472J	CHIP R	4.7K	J 1/10W
R116			RK73FB2A561J	CHIP R	560	J 1/10W
R117			RK73FB2A152J	CHIP R	1.5K	J 1/10W
R118			RK73FB2A122J	CHIP R	1.2K	J 1/10W
R119,120			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R121			RK73FB2A472J	CHIP R	4.7K	J 1/10W
R126			RK73FB2A221J	CHIP R	220	J 1/10W
R127			RK73FB2A222J	CHIP R	2.2K	J 1/10W
R128			RK73FB2A103J	CHIP R	10K	J 1/10W
R129			RK73FB2A153J	CHIP R	15K	J 1/10W
R130			RK73FB2A272J	CHIP R	2.7K	J 1/10W
R131,132			RK73FB2A222J	CHIP R	2.2K	J 1/10W
R133			RK73FB2A103J	CHIP R	10K	J 1/10W
R134,135			RK73FB2A562J	CHIP R	5.6K	J 1/10W
R136			RK73FB2A222J	CHIP R	2.2K	J 1/10W
R137,138			RK73FB2A103J	CHIP R	10K	J 1/10W
R139,140			RK73FB2A221J	CHIP R	220	J 1/10W
R142			RK73FB2A221J	CHIP R	220	J 1/10W
R143			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R144			RK73FB2A103J	CHIP R	10K	J 1/10W
R145			RK73FB2A105J	CHIP R	1.0M	J 1/10W
R146			RK73FB2A101J	CHIP R	100	J 1/10W
R147			RK73FB2A222J	CHIP R	2.2K	J 1/10W
R148			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R149			RK73FB2A101J	CHIP R	100	J 1/10W
R151			RK73FB2A471J	CHIP R	470	J 1/10W
R203			RK73FB2A222J	CHIP R	2.2K	J 1/10W
R209			RK73FB2A472J	CHIP R	4.7K	J 1/10W
R210			RK73FB2A183J	CHIP R	18K	J 1/10W
R221			RK73FB2A823J	CHIP R	82K	J 1/10W
R222			RK73FB2A333J	CHIP R	33K	J 1/10W

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R223			RK73FB2A683J	CHIP R	68K	J 1/10W
R224			RK73FB2A333J	CHIP R	33K	J 1/10W
R225			RK73FB2A683J	CHIP R	68K	J 1/10W
R226			RK73FB2A153J	CHIP R	15K	J 1/10W
R228			RK73FB2A103J	CHIP R	10K	J 1/10W
R229			RK73FB2A823J	CHIP R	82K	J 1/10W
R233			RK73FB2A332J	CHIP R	3.3K	J 1/10W
R237			RK73FB2A562J	CHIP R	5.6K	J 1/10W
R238			RK73FB2A471J	CHIP R	470	J 1/10W
R239			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R240			RK73FB2A103J	CHIP R	10K	J 1/10W
R241			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R242			RK73FB2A104J	CHIP R	100K	J 1/10W
R243			RK73FB2A472J	CHIP R	4.7K	J 1/10W
R250			RK73FB2A105J	CHIP R	1.0M	J 1/10W
R255			RK73FB2A153J	CHIP R	15K	J 1/10W
R256			RK73FB2A104J	CHIP R	100K	J 1/10W
R257			RK73FB2A103J	CHIP R	10K	J 1/10W
R258			RK73FB2A222J	CHIP R	2.2K	J 1/10W
R269			RK73FB2A103J	CHIP R	10K	J 1/10W
R271			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R272			RK73FB2A563J	CHIP R	56K	J 1/10W
R273			RK73FB2A473J	CHIP R	47K	J 1/10W
R275,276			RK73FB2A473J	CHIP R	47K	J 1/10W
R277			RK73FB2A124J	CHIP R	120K	J 1/10W
R278			RK73FB2A683J	CHIP R	68K	J 1/10W
R285			RK73FB2A391J	CHIP R	390	J 1/10W
R286			RK73FB2A394J	CHIP R	390K	J 1/10W
R287			RK73FB2A223J	CHIP R	22K	J 1/10W
R288			RK73FB2A224J	CHIP R	220K	J 1/10W
R289			RK73FB2A223J	CHIP R	22K	J 1/10W
R291,292			RK73FB2A105J	CHIP R	1.0M	J 1/10W
R293			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R294			RK73FB2A101J	CHIP R	100	J 1/10W
R300			RK73FB2A103J	CHIP R	10K	J 1/10W
R310			RK73FB2A223J	CHIP R	22K	J 1/10W
R312			RK73FB2A123J	CHIP R	12K	J 1/10W
R313			RK73FB2A224J	CHIP R	220K	J 1/10W
R314			RK73FB2A474J	CHIP R	470K	J 1/10W
R315			RK73FB2A103J	CHIP R	10K	J 1/10W
R316			RK73FB2A223J	CHIP R	22K	J 1/10W
R317,318			RK73FB2A104J	CHIP R	100K	J 1/10W
R320			RK73FB2A103J	CHIP R	10K	J 1/10W
R321			RK73FB2A333J	CHIP R	33K	J 1/10W
R322			RK73FB2A223J	CHIP R	22K	J 1/10W
R325,326			RK73FB2A103J	CHIP R	10K	J 1/10W
R329,330			RK73FB2A103J	CHIP R	10K	J 1/10W
R339			RK73FB2A104J	CHIP R	100K	J 1/10W
R340			RK73FB2A333J	CHIP R	33K	J 1/10W
R341,342			RK73FB2A472J	CHIP R	4.7K	J 1/10W
R344			RK73FB2A184J	CHIP R	180K	J 1/10W
R345			RK73FB2A222J	CHIP R	2.2K	J 1/10W
R346			RK73FB2A823J	CHIP R	82K	J 1/10W
R347			RK73FB2A272J	CHIP R	2.7K	J 1/10W
R348,349			RK73FB2A103J	CHIP R	10K	J 1/10W

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R350			RK73FB2A272J	CHIP R 2.7K	J	1/10W
R351,352			RK73FB2A474J	CHIP R 470K	J	1/10W
R354			RK73FB2A472J	CHIP R 4.7K	J	1/10W
R355			RK73FB2A473J	CHIP R 47K	J	1/10W
R357			RK73FB2A101J	CHIP R 100	J	1/10W
R358			RK73FB2A333J	CHIP R 33K	J	1/10W
R359			RK73FB2A103J	CHIP R 10K	J	1/10W
R361			RK73FB2A101J	CHIP R 100	J	1/10W
R364			RK73FB2A473J	CHIP R 47K	J	1/10W
R365,366			RK73FB2A683J	CHIP R 68K	J	1/10W
R367			RK73FB2A273J	CHIP R 27K	J	1/10W
R368			RK73FB2A473J	CHIP R 47K	J	1/10W
R369			RK73FB2A103J	CHIP R 10K	J	1/10W
R370			RK73FB2A104J	CHIP R 100K	J	1/10W
R371			RK73FB2A224J	CHIP R 220K	J	1/10W
R372			RK73FB2A474J	CHIP R 470K	J	1/10W
R373			RK73FB2A104J	CHIP R 100K	J	1/10W
R375			RK73FB2A102J	CHIP R 1.0K	J	1/10W
R376			RK73FB2A273J	CHIP R 27K	J	1/10W
R377			RK73FB2A103J	CHIP R 10K	J	1/10W
R378			RK73FB2A223J	CHIP R 22K	J	1/10W
R379			RK73FB2A472J	CHIP R 4.7K	J	1/10W
R382			RK73FB2A154J	CHIP R 150K	J	1/10W
R383			RK73FB2A102J	CHIP R 1.0K	J	1/10W
R384			RK73FB2A473J	CHIP R 47K	J	1/10W
R385			RK73FB2A472J	CHIP R 4.7K	J	1/10W
R386			RK73FB2A683J	CHIP R 68K	J	1/10W
R387			RK73FB2A682J	CHIP R 6.8K	J	1/10W
R390			RK73FB2A183J	CHIP R 18K	J	1/10W
R391			RK73FB2A103J	CHIP R 10K	J	1/10W
R392			RK73FB2A473J	CHIP R 47K	J	1/10W
R394			RK73FB2A473J	CHIP R 47K	J	1/10W
R397,398			RK73FB2A104J	CHIP R 100K	J	1/10W
R401			RK73FB2A183J	CHIP R 18K	J	1/10W
R402			RK73FB2A224J	CHIP R 220K	J	1/10W
R403			RK73FB2A103J	CHIP R 10K	J	1/10W
R404			RK73FB2A104J	CHIP R 100K	J	1/10W
R415			RK73FB2A563J	CHIP R 56K	J	1/10W
R419			RK73FB2A223J	CHIP R 22K	J	1/10W
R420			RK73FB2A472J	CHIP R 4.7K	J	1/10W
R421			RK73FB2A473J	CHIP R 47K	J	1/10W
R423			RK73FB2A472J	CHIP R 4.7K	J	1/10W
R424			RK73FB2A224J	CHIP R 220K	J	1/10W
R426			RK73FB2A683J	CHIP R 68K	J	1/10W
R427			RK73FB2A474J	CHIP R 470K	J	1/10W
R428			RK73FB2A105J	CHIP R 1.0M	J	1/10W
R429			RK73FB2A683J	CHIP R 68K	J	1/10W
R430			RK73FB2A104J	CHIP R 100K	J	1/10W
R433			RK73FB2A473J	CHIP R 47K	J	1/10W
R434			RK73FB2A224J	CHIP R 220K	J	1/10W
R435			RK73FB2A104J	CHIP R 100K	J	1/10W
R442			RK73FB2A332J	CHIP R 3.3K	J	1/10W
R443,444			RK73FB2A103J	CHIP R 10K	J	1/10W
R445			RK73FB2A102J	CHIP R 1.0K	J	1/10W
R446			RK73FB2A103J	CHIP R 10K	J	1/10W

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R447			RK73FB2A472J	CHIP R 4.7K	J	1/10W
R448			RK73FB2A101J	CHIP R 100	J	1/10W
R450			RK73FB2A221J	CHIP R 220	J	1/10W
R451			RK73FB2A103J	CHIP R 10K	J	1/10W
R454,455			RK73FB2A102J	CHIP R 1.0K	J	1/10W
R500			RK73FB2A104J	CHIP R 100K	J	1/10W
R501			RK73FB2A221J	CHIP R 220	J	1/10W
R503			RK73FB2A153J	CHIP R 15K	J	1/10W
R506			RK73FB2A102J	CHIP R 1.0K	J	1/10W
R508			RK73FB2A104J	CHIP R 100K	J	1/10W
R509			RK73FB2A102J	CHIP R 1.0K	J	1/10W
R510			RK73FB2A221J	CHIP R 220	J	1/10W
R511			RK73FB2A223J	CHIP R 22K	J	1/10W
R513			RK73FB2A333J	CHIP R 33K	J	1/10W
R514,515			RK73FB2A223J	CHIP R 22K	J	1/10W
R516			RK73FB2A681J	CHIP R 680	J	1/10W
R517			RK73FB2A122J	CHIP R 1.2K	J	1/10W
R518			RK73FB2A563J	CHIP R 56K	J	1/10W
R520			RK73FB2A393J	CHIP R 39K	J	1/10W
R521			RK73FB2A103J	CHIP R 10K	J	1/10W
R522			RK73FB2A222J	CHIP R 2.2K	J	1/10W
R523			RK73FB2A102J	CHIP R 1.0K	J	1/10W
R524			RK73FB2A471J	CHIP R 470	J	1/10W
R525			RK73FB2A103J	CHIP R 10K	J	1/10W
R527			RK73FB2A151J	CHIP R 150	J	1/10W
R529			RK73FB2A151J	CHIP R 150	J	1/10W
R530			RK73FB2A221J	CHIP R 220	J	1/10W
R531,532			RK73FB2A102J	CHIP R 1.0K	J	1/10W
R533,534			RK73FB2A103J	CHIP R 10K	J	1/10W
R535,536			RK73FB2A153J	CHIP R 15K	J	1/10W
R537,538			RK73FB2A822J	CHIP R 8.2K	J	1/10W
R539			RK73FB2A473J	CHIP R 47K	J	1/10W
R540			RK73FB2A224J	CHIP R 220K	J	1/10W
R541,542			RK73FB2A154J	CHIP R 150K	J	1/10W
R543			RK73FB2A224J	CHIP R 220K	J	1/10W
R544			RK73FB2A222J	CHIP R 2.2K	J	1/10W
R545,546			RK73FB2A223J	CHIP R 22K	J	1/10W
R547			RK73FB2A274J	CHIP R 270K	J	1/10W
R548,549			RK73FB2A223J	CHIP R 22K	J	1/10W
R551			RK73FB2A274J	CHIP R 270K	J	1/10W
R552			RK73FB2A105J	CHIP R 1.0M	J	1/10W
R553,554			RK73FB2A123J	CHIP R 12K	J	1/10W
R555,556			RK73FB2A122J	CHIP R 1.2K	J	1/10W
R557,558			RK73FB2A123J	CHIP R 12K	J	1/10W
R559,560			RK73FB2A122J	CHIP R 1.2K	J	1/10W
R561-564			RK73FB2A163J	CHIP R 16K	J	1/10W
R565-568			RK73FB2A102J	CHIP R 1.0K	J	1/10W
R571,572			RK73FB2A223J	CHIP R 22K	J	1/10W
R573-575			RK73FB2A104J	CHIP R 100K	J	1/10W
R577			RK73FB2A473J	CHIP R 47K	J	1/10W
R579,580			RK73FB2A103J	CHIP R 10K	J	1/10W
R581,582			RK73FB2A105J	CHIP R 1.0M	J	1/10W
R583,584			RK73FB2A223J	CHIP R 22K	J	1/10W
R585-588			RK73FB2A273J	CHIP R 27K	J	1/10W
R589,590			RK73FB2A105J	CHIP R 1.0M	J	1/10W

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PARTS LIST

LD-K300V

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R591			RD14NB2E100J	RD 10 J 1/4W		
R592,593			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R594			RK73FB2A104J	CHIP R 100K J 1/10W		
R595			RK73FB2A223J	CHIP R 22K J 1/10W		
R597			RK73FB2A223J	CHIP R 22K J 1/10W		
R605			RK73FB2A101J	CHIP R 100 J 1/10W		
R606			RK73FB2A221J	CHIP R 220 J 1/10W		
R607			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R608			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R610			RK73FB2A103J	CHIP R 10K J 1/10W		
R611			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R614			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R617			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R618			RK73FB2A221J	CHIP R 220 J 1/10W		
R619			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R623			RK73FB2A101J	CHIP R 100 J 1/10W		
R624			RK73FB2A331J	CHIP R 330 J 1/10W		
R625-627			RK73FB2A104J	CHIP R 100K J 1/10W		
R628			RK73FB2A331J	CHIP R 330 J 1/10W		
R629			RK73FB2A104J	CHIP R 100K J 1/10W		
R630			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R631			RK73FB2A104J	CHIP R 100K J 1/10W		
R632			RK73FB2A103J	CHIP R 10K J 1/10W		
R633-635			RK73FB2A221J	CHIP R 220 J 1/10W		
R637-658			RK73FB2A221J	CHIP R 220 J 1/10W		
R663-665			RK73FB2A101J	CHIP R 100 J 1/10W		
VR1			R12-3686-05	TRIMMING POT.(22K)		
VR2			R12-3688-05	TRIMMING POT.(47K)		
VR3			R12-5651-05	TRIMMING POT.(100K)		
VR4			R12-1616-05	TRIMMING POT.(1K)		
VR5			R12-3685-05	TRIMMING POT.(10K)		
VR7			R12-1616-05	TRIMMING POT.(1K)		
W67			R92-0670-05	CHIP R 0 OHM		
W416			R92-0670-05	CHIP R 0 OHM		
W483-486			R92-0670-05	CHIP R 0 OHM		
W489-491			R92-0670-05	CHIP R 0 OHM		
W495-497			R92-0670-05	CHIP R 0 OHM		
W502.503			R92-0670-05	CHIP R 0 OHM		
W506.507			R92-0670-05	CHIP R 0 OHM		
W510,511			R92-0670-05	CHIP R 0 OHM		
D1			DA204U	DIODE		
D2			HSS104	DIODE		
D2			1SS133	DIODE		
D10,11			HSS104	DIODE		
D10,11			1SS133	DIODE		
D13			DA204U	DIODE		
D14,15			HSS104	DIODE		
D14,15			1SS133	DIODE		
D19			DA204U	DIODE		
D20			HSS104	DIODE		
D20			1SS133	DIODE		
D21-23			DAN202U	DIODE		
D24,25			MA110	DIODE		
D26			HSS104	DIODE		
D26			1SS133	DIODE		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D27			MA110	DIODE		
D29,30			DAP202U	DIODE		
D31-34			S5688B	DIODE		
D31-34			1SR139-400	DIODE		
D35			1SV101	VARIABLE CAPACITANCE DIODE		
D36			DAP202U	DIODE		
D37			DAN202U	DIODE		
D38,39			MA110	DIODE		
D52			DAP202U	DIODE		
D607			MA110	DIODE		
D609			HSS104	DIODE		
D609			1SS133	DIODE		
D613			MA110	DIODE		
IC2			LA7133	MOS-IC		
IC3			PD0192A	MOS-IC		
IC4			PD0011A-SP	MI-COM IC		
IC7			TC4053BF	MOS-IC		
IC8			M35014-001SP	MOS-IC		
IC9			TC74HCU04AF	IC(HEX INVERTER SMD)		
IC10			NJM4565M	IC(OP AMP X2)		
IC11			LA9425	MOS-IC		
IC12,13			NJM4565M	IC(OP AMP X2)		
IC14,15			TA8410AK	ANALOGUE IC		
IC16			NJM2903M	IC(COMPARETOR X2)		
IC19			TC74HC74AF	IC(DUAL D-TYPE FLIP FLOP)		
IC22			NJM4565M	IC(OP AMP X2)		
IC23			LA9420M	MOS-IC		
IC23			LA9420MKMT	ANALOGUE IC		
IC24			LC78630E	MOS-IC		
IC26			CA0002AM	IC(LD AUDIO SYSTEM IC)		
IC27			NJM4565M	IC(OP AMP X2)		
IC28			TC9210P	MOS-IC		
IC30			NJM2058M	ANALOGUE IC		
IC31			NJU3715G	MOS-IC		
IC33			PST993D-T	ANALOGUE IC		
IC34			M38199MF-066FP	MI-COM IC		
IC35			TC4053BF	MOS-IC		
Q1			DTC124EUA	DIGITAL TRANSISTOR		
Q1			UN5212	DIGITAL TRANSISTOR		
Q2 -5			2SC4081(R,S)	TRANSISTOR		
Q13-15			2SC2714(O,Y)	FET		
Q16			2SC4081(R,S)	TRANSISTOR		
Q17,18			2SC2714(O,Y)	FET		
Q19			2SC4081(R,S)	TRANSISTOR		
Q20-22			DTC124EUA	DIGITAL TRANSISTOR		
Q20-22			UN5212	DIGITAL TRANSISTOR		
Q23			2SC4081(R,S)	TRANSISTOR		
Q26			DTC124EUA	DIGITAL TRANSISTOR		
Q26			UN5212	DIGITAL TRANSISTOR		
Q27			2SK163(L,M)	FET		
Q28			2SC2458(Y,GR)	TRANSISTOR		
Q28			2SC3311A(Q,R)	TRANSISTOR		
Q29			2SA954(L,K)	TRANSISTOR		
Q30			DTA124EUA	DIGITAL TRANSISTOR		
Q30			UN5112	DIGITAL TRANSISTOR		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q31			DTC124EUA	DIGITAL TRANSISTOR		
Q31			UN5212	DIGITAL TRANSISTOR		
Q32 ,33			2SC4081(R,S)	TRANSISTOR		
Q34 ,35			2SA1576(R,S)	TRANSISTOR		
Q36			2SC4081(R,S)	TRANSISTOR		
Q37			2SA1576(R,S)	TRANSISTOR		
Q38 ,39			2SC2003(L,K)	TRANSISTOR		
Q40 ,41			2SC4081(R,S)	TRANSISTOR		
Q42 ,43			DTC124EUA	DIGITAL TRANSISTOR		
Q42 ,43			UN5212	DIGITAL TRANSISTOR		
Q44			DTA124EUA	DIGITAL TRANSISTOR		
Q44			UN5112	DIGITAL TRANSISTOR		
Q45			2SA1576(R,S)	TRANSISTOR		
Q46			DTA124EUA	DIGITAL TRANSISTOR		
Q46			UN5112	DIGITAL TRANSISTOR		
Q47			2SA1576(R,S)	TRANSISTOR		
Q48			2SC4081(R,S)	TRANSISTOR		
Q49			2SA1576(R,S)	TRANSISTOR		
Q50 ,51			2SC4081(R,S)	TRANSISTOR		
Q52			DTA124EUA	DIGITAL TRANSISTOR		
Q52			UN5112	DIGITAL TRANSISTOR		
Q53			DTC124EUA	DIGITAL TRANSISTOR		
Q53			UN5212	DIGITAL TRANSISTOR		
Q54			2SC4081(R,S)	TRANSISTOR		
Q55			DTC124EUA	DIGITAL TRANSISTOR		
Q55			UN5212	DIGITAL TRANSISTOR		
Q56			DTA124EUA	DIGITAL TRANSISTOR		
Q56			UN5112	DIGITAL TRANSISTOR		
Q57			2SA1576(R,S)	TRANSISTOR		
Q58 ,59			2SC4081(R,S)	TRANSISTOR		
Q60			DTC124EUA	DIGITAL TRANSISTOR		
Q60			UN5212	DIGITAL TRANSISTOR		
Q61			DTA124EUA	DIGITAL TRANSISTOR		
Q61			UN5112	DIGITAL TRANSISTOR		
Q62 ,63			DTC124EUA	DIGITAL TRANSISTOR		
Q62 ,63			UN5212	DIGITAL TRANSISTOR		
Q64 ,65			DTA124EUA	DIGITAL TRANSISTOR		
Q64 ,65			UN5112	DIGITAL TRANSISTOR		
Q66			DTC124EUA	DIGITAL TRANSISTOR		
Q66			UN5212	DIGITAL TRANSISTOR		
Q67			2SK163(L,M)	FET		
Q68			DTA124EUA	DIGITAL TRANSISTOR		
Q68			UN5112	DIGITAL TRANSISTOR		
Q69			2SA1576(R,S)	TRANSISTOR		
Q70 ,71			DTC124EUA	DIGITAL TRANSISTOR		
Q70 ,71			UN5212	DIGITAL TRANSISTOR		
Q74			DTC124EUA	DIGITAL TRANSISTOR		
Q74			UN5212	DIGITAL TRANSISTOR		
Q76			DTC124EUA	DIGITAL TRANSISTOR		
Q76			UN5212	DIGITAL TRANSISTOR		
Q77 -80			2SC4081(R,S)	TRANSISTOR		
<b>Video unit (X35-2170-20)</b>						
C1			CK73FB1H103K	CHIP C	0.010UF	K
C2			CC73FSL1H471J	CHIP C	470PF	J

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C3 -5			CK73FB1H103K	CHIP C	0.010UF	K
C6			CK73FB1H102K	CHIP C	1000PF	K
C7			CK73FB1H103K	CHIP C	0.010UF	K
C8			CC73FSL1H471J	CHIP C	470PF	J
C9 ,10			CK73FB1H103K	CHIP C	0.010UF	K
C11			CC73FSL1H330J	CHIP C	33PF	J
C12 -14			CK73FB1H103K	CHIP C	0.010UF	K
C15			CC73FSL1H050C	CHIP C	5.0PF	C
C16			CC73FSL1H100D	CHIP C	10PF	D
C17			CK73FB1H103K	CHIP C	0.010UF	K
C18			CK73FB1H102K	CHIP C	1000PF	K
C19			CC73FSL1H221J	CHIP C	220PF	J
C20 ,21			CK73FB1E104K	CHIP C	0.10UF	K
C22 -24			CK73FB1H103K	CHIP C	0.010UF	K
C41 -46			CK45FF1H103Z	CERAMIC	0.010UF	Z
C51 ,52			CE04KW1A101M	ELECTRO	100UF	10WV
C53			CE04KW1A221M	ELECTRO	220UF	10WV
C54 -57			CE04KW1A101M	ELECTRO	100UF	10WV
C58			CE04KW1A221M	ELECTRO	220UF	10WV
C59			CE04KW1A101M	ELECTRO	100UF	10WV
TC1			C05-0301-05	CERAMIC TRIMMER CAPACITOR(7PF)		
CN1 ,2			E40-4261-05	PIN ASSY		
X1			L78-0636-05	RESONATOR (20MHZ)		
X2			L77-2184-05	CRYSTAL RESONATOR(40.5M 10PF)		
R1			RK73FB2A162J	CHIP R	1.6K	J 1/10W
R2			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R3 -5			RK73FB2A563J	CHIP R	56K	J 1/10W
R6			RK73FB2A152J	CHIP R	1.5K	J 1/10W
R7			RK73FB2A221J	CHIP R	220	J 1/10W
R8 -10			RK73FB2A563J	CHIP R	56K	J 1/10W
R11			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R12 -15			RK73FB2A563J	CHIP R	56K	J 1/10W
R16			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R17			RK73FB2A152J	CHIP R	1.5K	J 1/10W
R18 ,19			RK73FB2A563J	CHIP R	56K	J 1/10W
R20			RK73FB2A221J	CHIP R	220	J 1/10W
R21			RK73FB2A563J	CHIP R	56K	J 1/10W
R23 ,24			RK73FB2A563J	CHIP R	56K	J 1/10W
R25			RK73FB2A223J	CHIP R	22K	J 1/10W
R26			RK73FB2A563J	CHIP R	56K	J 1/10W
R27 ,28			RK73FB2A103J	CHIP R	10K	J 1/10W
R29			RK73FB2A105J	CHIP R	1.0M	J 1/10W
R30			RK73FB2A221J	CHIP R	220	J 1/10W
R31			RK73FB2A152J	CHIP R	1.5K	J 1/10W
R32 -39			RK73FB2A563J	CHIP R	56K	J 1/10W
R40			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R41 -45			RK73FB2A104J	CHIP R	100K	J 1/10W
R46			RK73FB2A271J	CHIP R	270	J 1/10W
R47			RK73FB2A750J	CHIP R	75	J 1/10W
R48			RK73FB2A303J	CHIP R	30K	J 1/10W
R49			RK73FB2A563J	CHIP R	56K	J 1/10W
R50			RK73FB2A105J	CHIP R	1.0M	J 1/10W
R51			RK73FB2A103J	CHIP R	10K	J 1/10W

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R52 -61			RK73FB2A750J	CHIP R 75 J 1/10W		
R62			RK73FB2A221J	CHIP R 220 J 1/10W		
R63			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R64			RK73FB2A750J	CHIP R 75 J 1/10W		
R65 -68			RK73FB2A221J	CHIP R 220 J 1/10W		
R69			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R70			RK73FB2A221J	CHIP R 220 J 1/10W		
R71			RK73FB2A100J	CHIP R 10 J 1/10W		
R72			RK73FB2A303J	CHIP R 30K J 1/10W		
R73			RK73FB2A563J	CHIP R 56K J 1/10W		
D1 ,2			MA110	DIODE		
IC1			PQ20VZ11	ANALOGUE IC		
IC2			CL484-G1	MOS-IC		
IC3			TC74HC00AFE	MOS-IC		
IC4			TC74HC14AFE	MOS-IC		
IC5			TC74HCT7007AFE	MOS-IC		
IC6			HM62256BLFP-7T	MEMORY IC		
IC6			HM62256BLFP-8T	MEMORY IC		
IC6			HM62256BLFP12T	MEMORY IC		
IC7			HM514260CLJP-7	MEMORY IC		
IC8			KAR05	CUSTOM IC		
IC9		*	HD6433256A25F	MI-COM IC		
IC10		*	RF5C292	MOS-IC		
IC11,12			TC7SHU04FU	MOS-IC		
Q1			DTC124EUA	DIGITAL TRANSISTOR		
Q1			UN5212	DIGITAL TRANSISTOR		
<b>Mechanism assy (X92-1621-11/X92-1681-21)</b>						
1	3A	*	A10-2846-11	CHASSIS		
2	2B		A11-1102-03	SUB CHASSIS ASSY		
4	2B	*	A11-0709-23	SUB CHASSIS ASSY		
6	1A	*	A11-1042-03	SUB CHASSIS ASSY		
8	1B	*	A11-1044-03	SUB CHASSIS ASSY		
11	3A		D10-3128-04	ARM		
13	2A		D10-3130-04	ARM		
14	2B		D10-3131-04	ROD		
15	3A	*	D10-3133-34	SLIDER ASSY		
16	3B		D12-0129-03	CAM		
17	2A		D13-1752-04	GEAR		
18	2A		D13-0919-14	GEAR		
19	2A		D13-0920-04	GEAR		
20	2A		D13-0921-04	GEAR		
25	2A		D13-0922-04	GEAR		
26	2A		D13-0923-04	GEAR		
27	2A	*	D13-0942-04	GEAR		
28	2A		D13-0926-04	GEAR		
29	2A	*	D13-1657-04	GEAR		
30	2B		D13-0931-03	RACK (GEAR)		
31	2A		D15-0316-04	PULLEY		
32	2A		D16-0316-04	BELT		
33	2A		D23-0268-04	RETAINER		
41	3A		E35-1547-05	WIRING HARNESS		
42	2B	*	E35-1544-05	FLAT CABLE ASSY		
47	3A		G01-3354-04	COMPRESSION SPRING		

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48	1B	*	G01-3355-04	COMPRESSION SPRING		
49	3B		G02-0984-04	FLAT SPRING		
50	3A	*	G11-2219-14	CUSHION		
51	1C	*	G16-0770-04	SHEET		
52	3B		G16-0860-04	SHEET		
53	3B		G16-0870-04	SHEET		
55	1B	*	J11-0171-23	CLAMPER		
56	1B	*	J11-0172-23	CLAMPER		
57	2B	*	J19-3708-01	HOLDER		
58	1B	*	J19-3389-03	HOLDER		
60	2A		J21-5726-14	MOUNTING HARDWARE ASSY		
61	3B	*	J90-0669-23	GUIDE		
62	2B	*	J90-0670-04	RAIL		
64	1C	*	J99-0597-03	TRAY ASSY		
DM	3A	*	T42-0852-14	MOTOR ASSY		
FM	3A		T42-0602-05	DC MOTOR		
LM	3A	*	T42-0693-05	DC MOTOR		
PU	2B		T25-0058-05	OPTICAL PICKUP HEAD		

L : Scandinavia    K : USA    P : Canada    R : Mexico  
Y : PX(Far East, Hawaii)    T : Europe    E : Europe    G : Germany  
Y : AAFES(Europe)    X : Australia    M : Other Areas

△ indicates safety critical components.

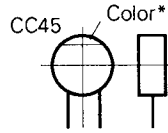


## PARTS DESCRIPTIONS

### CAPACITORS

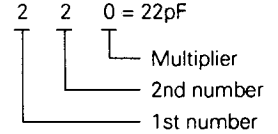
CC 45 TH 1H 220 J  
 1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc.
- 2 = Shape ... round, square, ect.
- 3 = Temp. coefficient
- 4 = Voltage rating
- 5 = Value
- 6 = Tolerance



#### • Capacitor value

- 010 = 1pF
- 100 = 10pF
- 101 = 100pF
- 102 = 1000pF = 0.001μF
- 103 = 0.01μF



#### • Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

#### • Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40	+80	+100	More than 10μF - 10 ~ +50
							-20	-20	-0	Less than 4.7μF - 10 ~ +75

#### (Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

#### • Voltage rating

2nd word	A	B	C	D	E	F	G	H	J	K	V
1st word											
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

#### • Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J  
 1 2 3 4 5 6 7

(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z  
 1 2 3 4 5 6 7

(Chip) (B, F)

Refer to the table above.

- 1 = Type
- 2 = Shape
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Voltage rating
- 6 = Value
- 7 = Tolerance

#### Dimension (Chip capacitors)

Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

### RESISTORS

#### • Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J  
 1 2 3 4 5 6 7

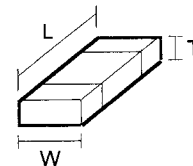
(Chip) (B, F)

#### • Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J  
 1 2 3 4 5 6 7

- 1 = Type
- 2 = Shape
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Rating wattage
- 6 = Value
- 7 = Tolerance

#### Dimension



#### Dimension (Chip resistor)

Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.1

#### Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

# LD-K300V

## SPECIFICATIONS

### [Type]

Video disc format .....Laser Vision format  
Signal read system .....Semiconductor laser  
Video output format.....PAL/NTSC (V-CD)  
NTSC (LD)

### [Video Section]

Video output level .....1 Vp-p (75  $\Omega$  load, sync. negative)  
Horizontal resolution .....425 lines  
Video signal to noise ratio .....More than 48 dB

### [Audio section]

Frequency response .....4 Hz~20 kHz  
Signal to noise ratio .....More than 115 dB  
Dynamic range .....More than 90 dB  
Total harmonic distortion ..... Less than 0.008% (1 kHz)  
Wow and flutter .....Below measurable limit  
( $\pm 0.001\%$ W. PEAK)

Output level/impedance .....1.2 V/1 k $\Omega$  (DIGITAL SOUND)  
300 mV/1 k $\Omega$  (ANALOG SOUND)  
300 mV/75  $\Omega$  (AC-3 RF output)  
Input sensitivity/impedance .....7 mV/47 k $\Omega$  (MIC 1, 2)  
Allowable operating temperature range .....5°C~40°C  
Allowable operating humidity range .....5%~90%  
(condensation should not form)

### [General]

Power consumption .....35 W  
Dimensions ..... W : 400 mm (15-3/4")  
H : 140 mm (5-1/2")  
D : 427 mm (16-13/16")  
Weight(net) .....6.5 kg (14.3lb)

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KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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### Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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