

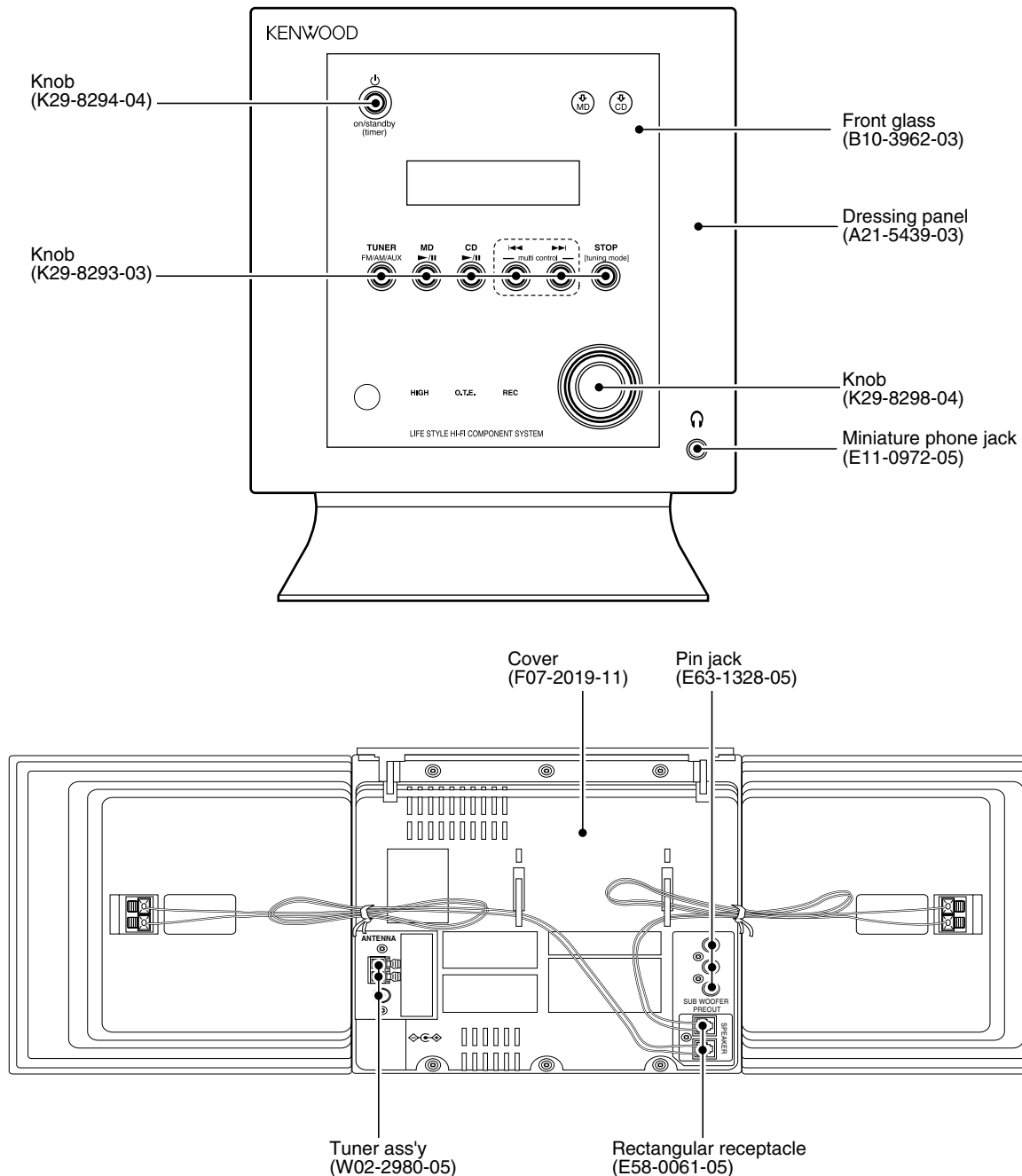
RD-HML700

SERVICE MANUAL

(HM-L700)

KENWOOD

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B51-5879-00 (K/K) 595



In compliance with Federal Regulations, following are reproduction of labels on, or inside the product relating to laser product safety.

Caution : No connection of ground line if disassemble the unit. Please connect the ground line on rear panel, PCBs, Chassis and some others.

KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

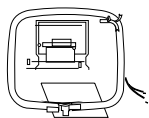


RD-HML700

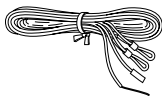
ACCESSORIES / CAUTIONS

Accessories

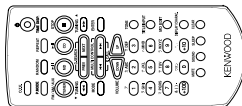
AM loop antenna
(T90-0906-05)



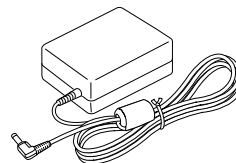
FM indoor antenna (1)
(T90-0877-05)



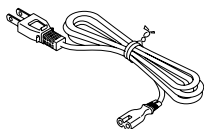
Card-type remote control unit
(1, with built-in button battery)
(A70-1643-05)



AC adapter (1)
(W09-1299-15)



Power cord (1)
(E30-7305-05)



System Configuration

SYSTEM	RECEIVER	SPEAKER
HM-L700	RD-HML700	LS-LCA7

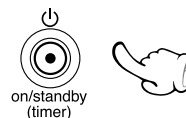
Cautions

Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while unit is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

- Please note that resetting the microcomputer clears the contents stored in and it returns to condition when it left the factory.

Unplug the power cord from the power outlet, then while holding the  key depressed, plug the power cord again.



After resetting the microcomputer, the display will show as follow:

INITIALIZE

The marking of products using lasers

CLASS 1
LASER PRODUCT

The marking of this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.

Location: Back panel

Note related to transportation and movement

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

- ❶ Remove the CD from the unit.
- ❷ Press the CD  key.

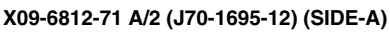
NO DISC

- ❸ Wait for some time and verify that the display appears as above.
- ❹ Wait a few seconds and turn the unit OFF.

Memory backup function

The following information is backed up for about 1 day after the power cord is unplugged from the wall AC outlet.

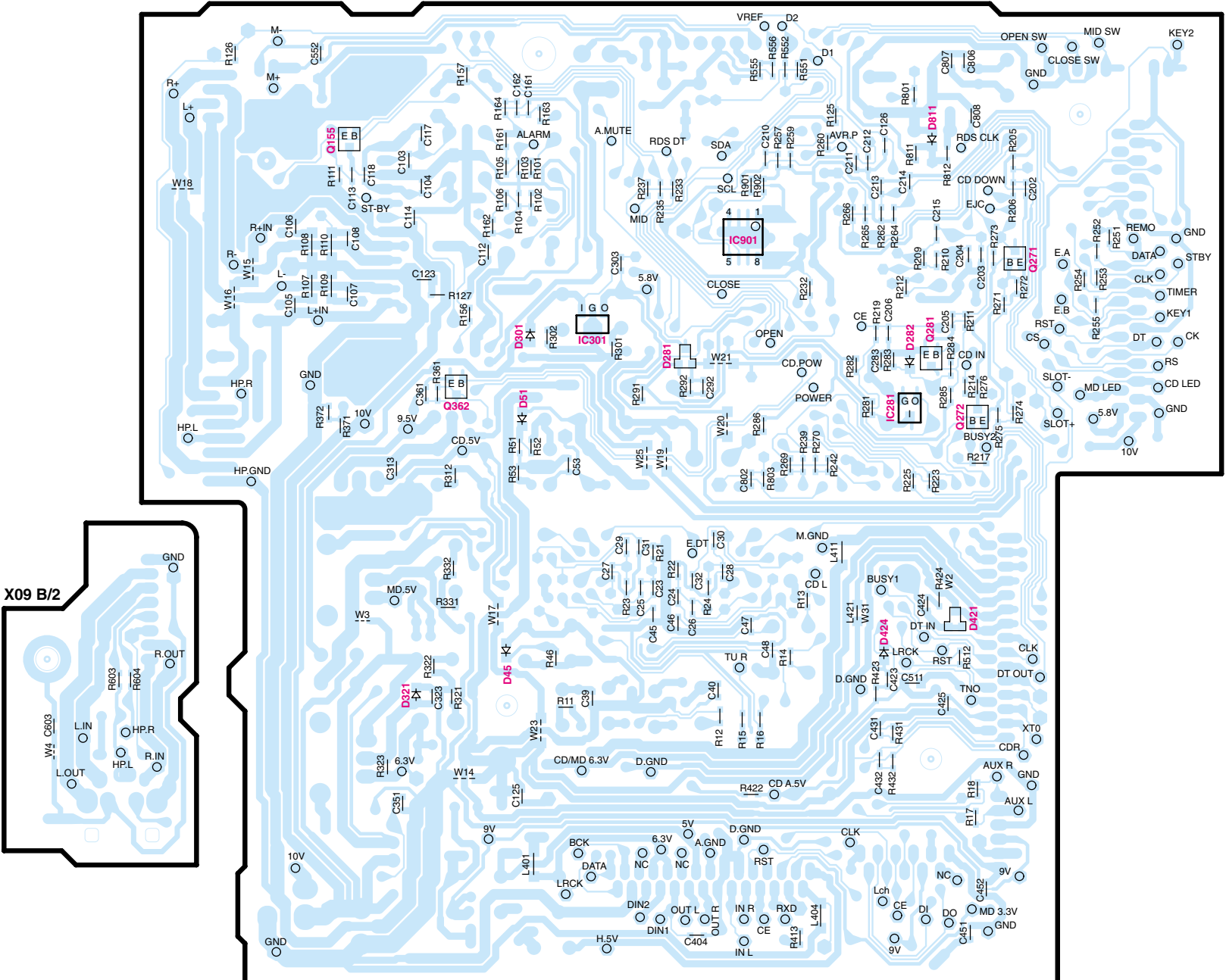
- Input source
- Volume setting
- AUX input level setting
- TONE setting
- TIMER setup
- Display contrast and backlight setting
- Main unit CD key indicator setting
- Auto power save feature setting
 - Tuner related
 - Preset radio stations
 - Tuning mode setting (Auto or manual)



ω

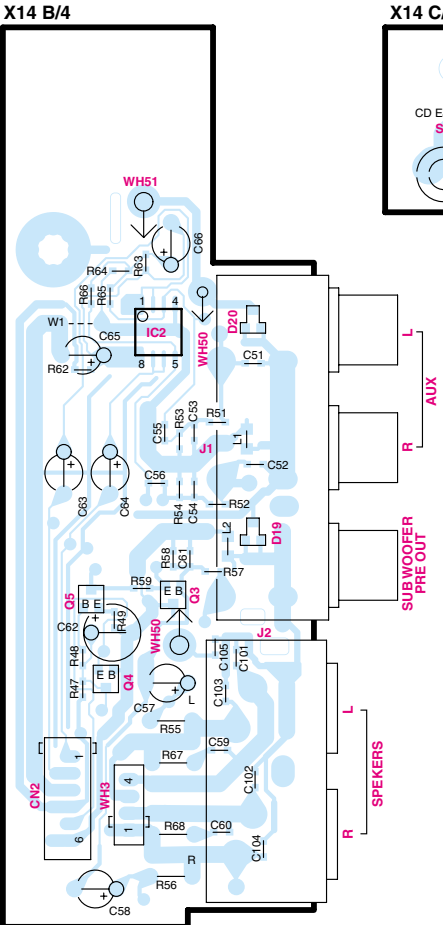
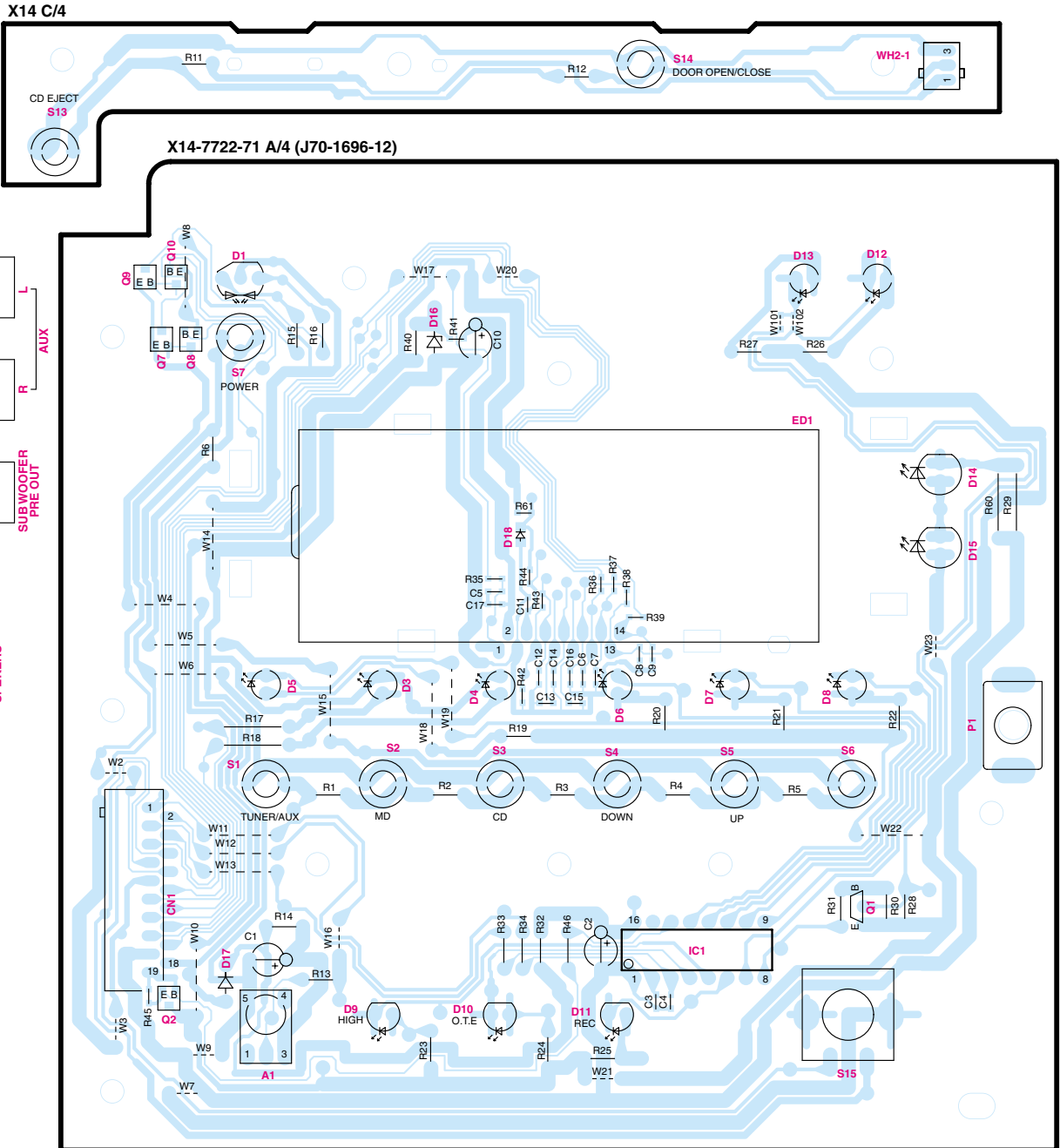
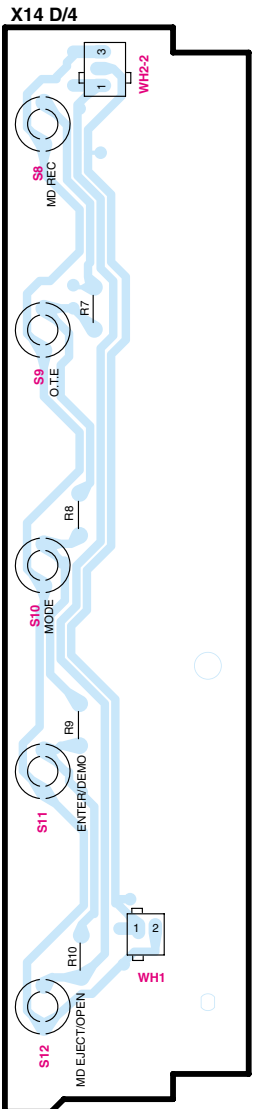
PC BOARD

X09-6812-71 A/2 (J70-1695-12) (SIDE-B)



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

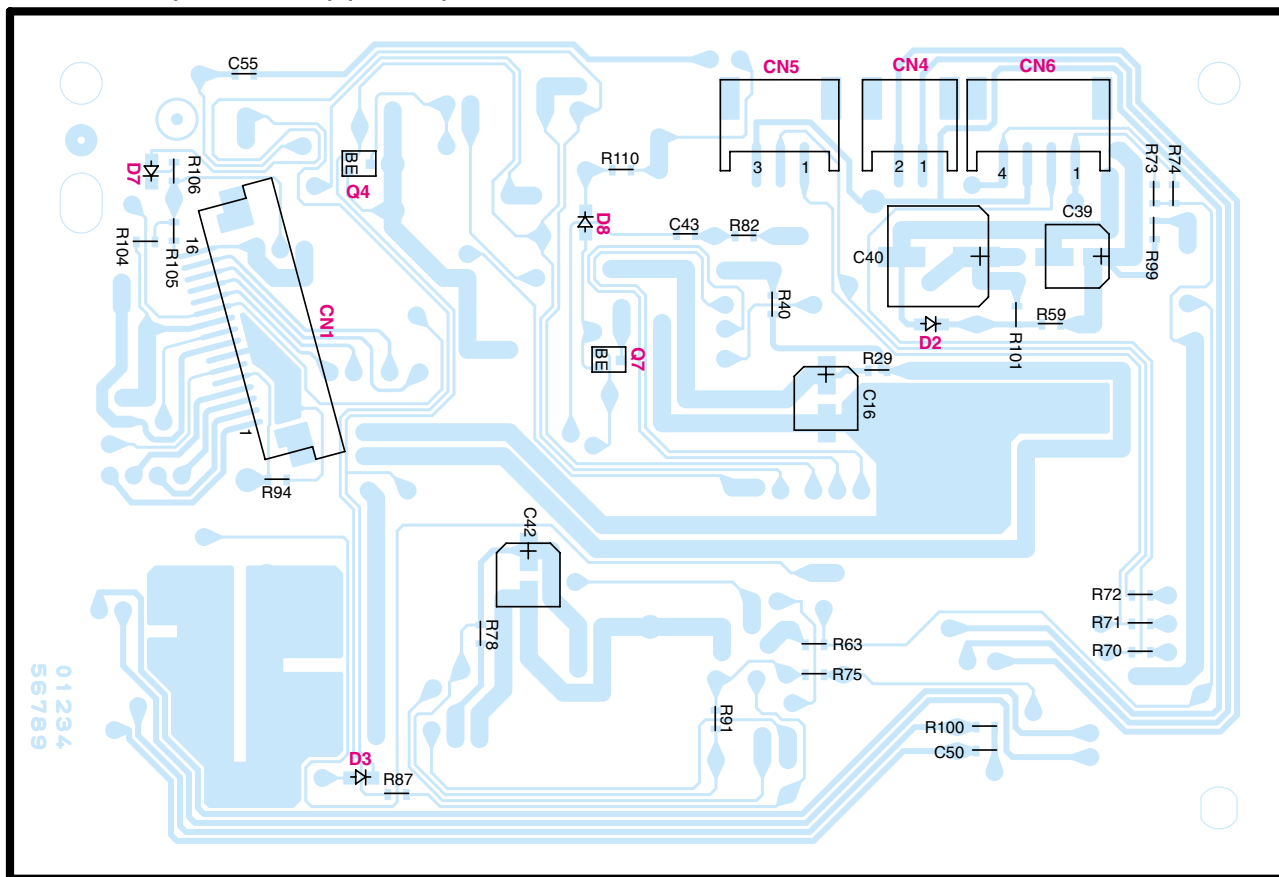
PC BOARD



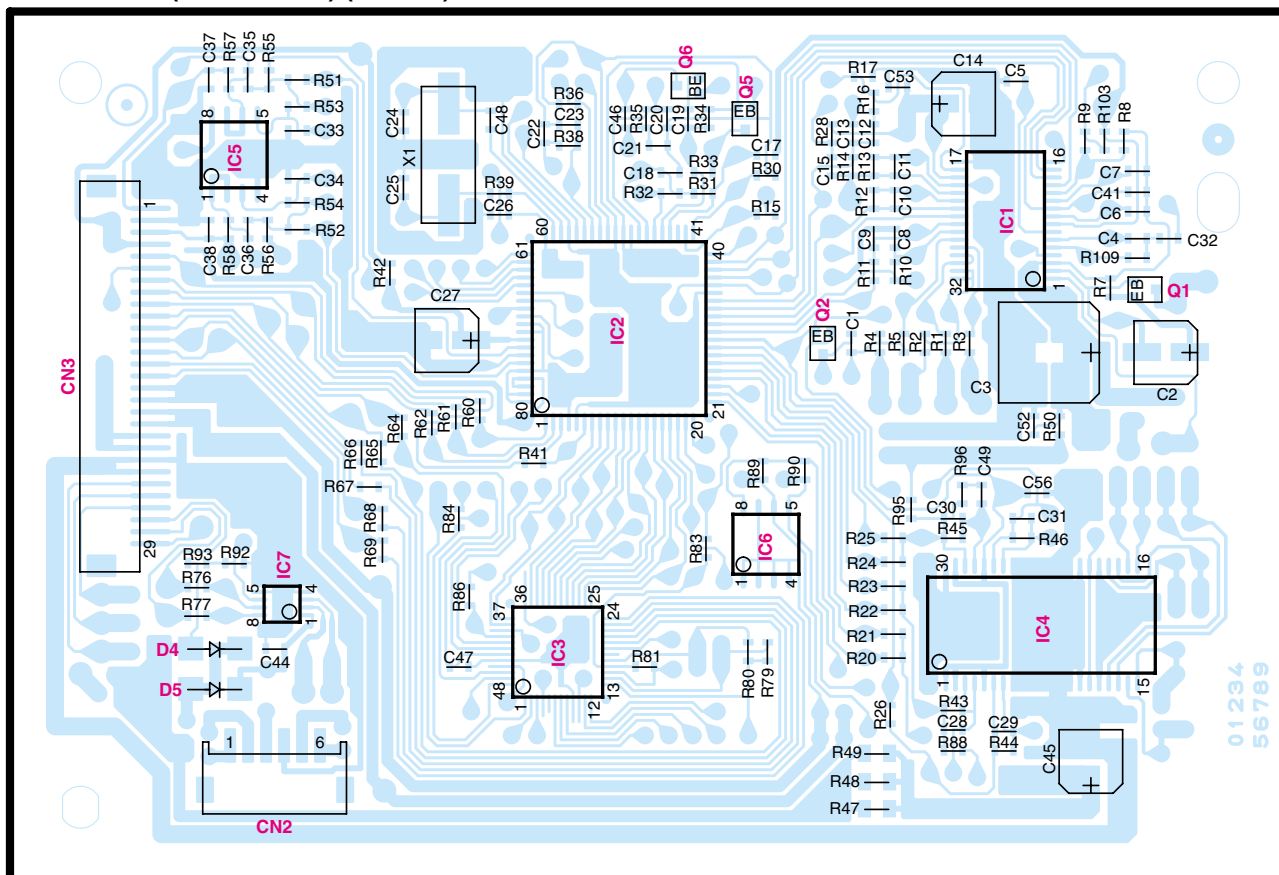
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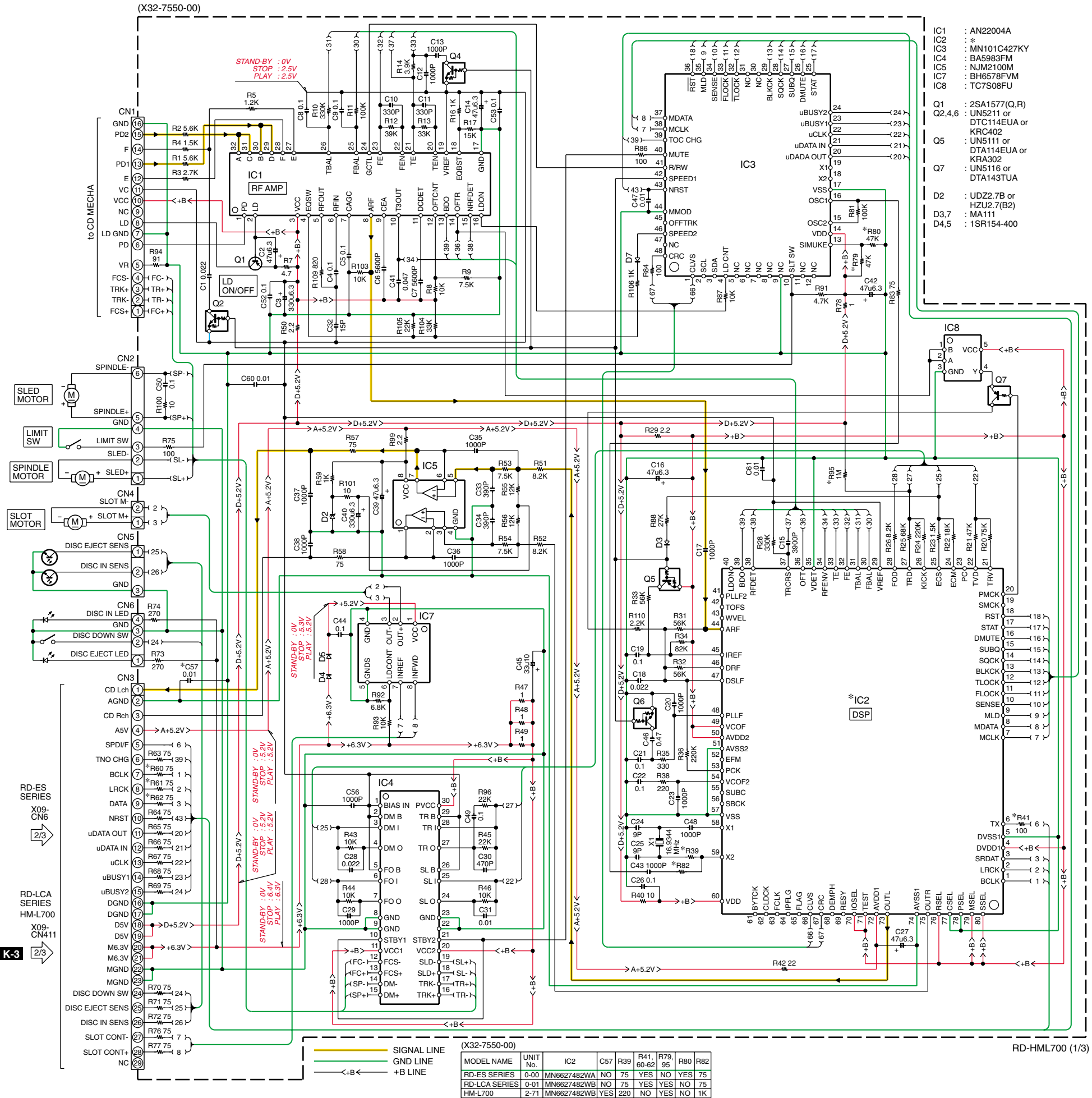
PC BOARD

X32-7552-71 (J70-1691-02) (SIDE-A)



X32-7552-71 (J70-1691-02) (SIDE-B)

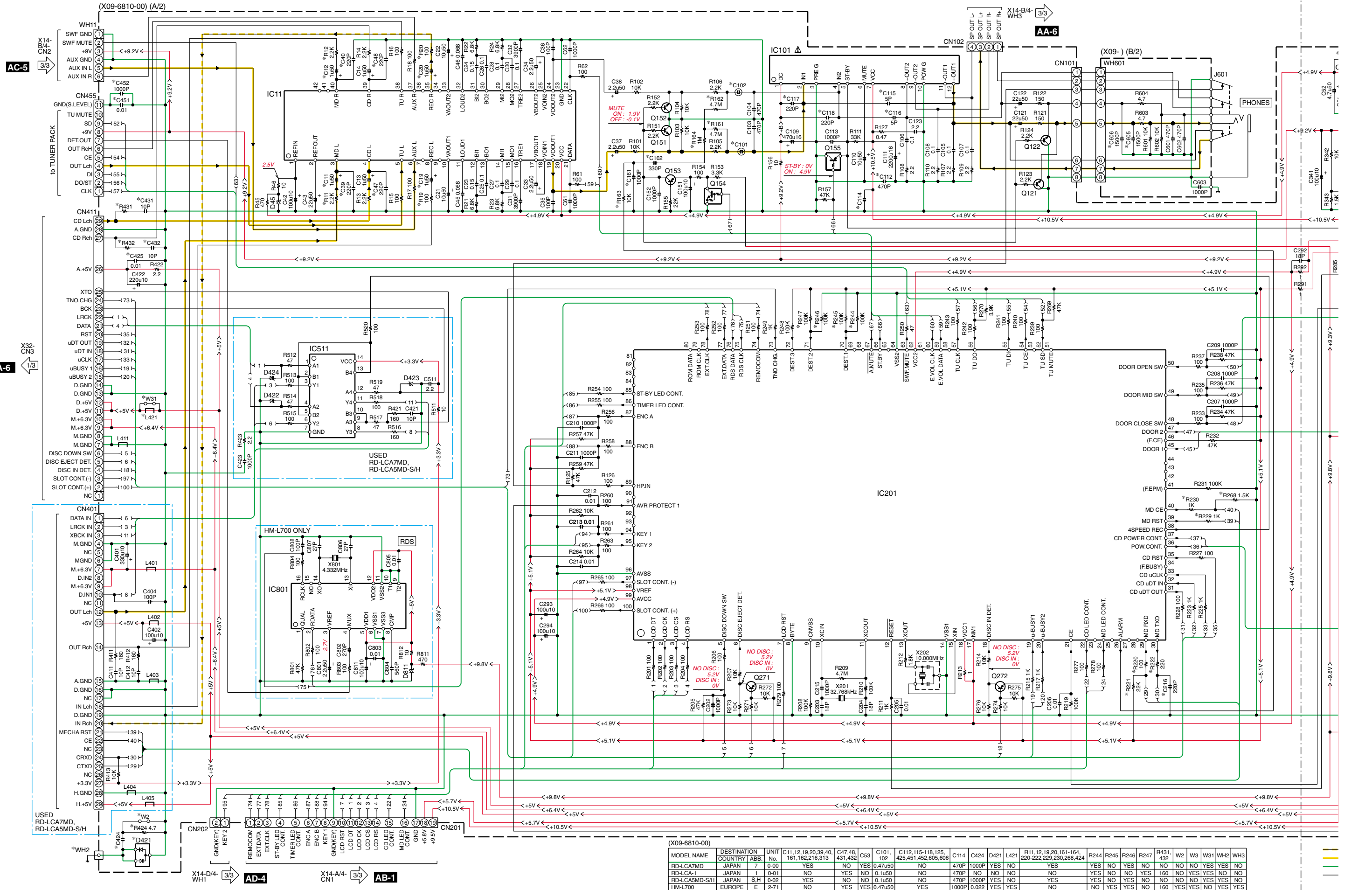


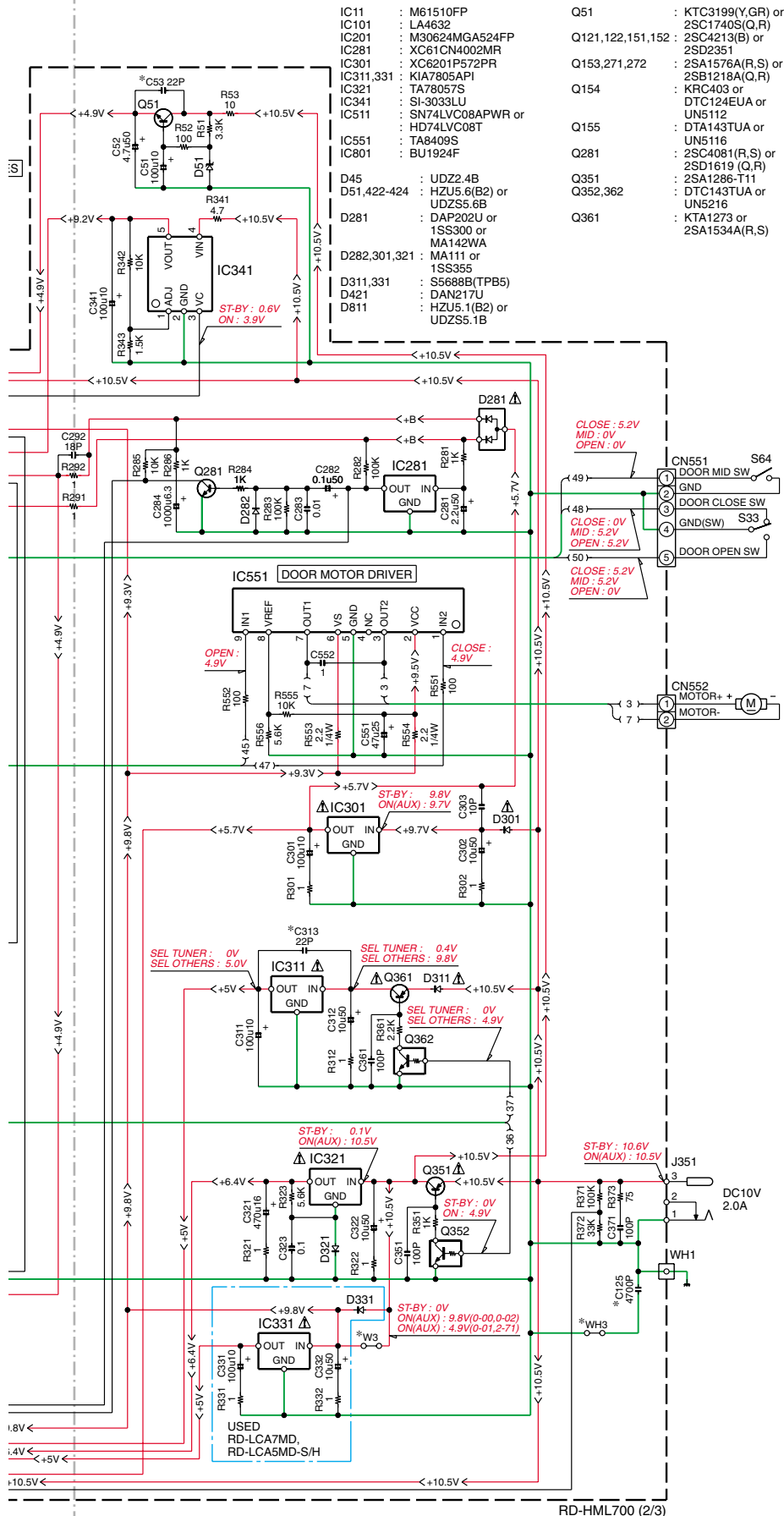


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, 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.

The DC voltage is an actual reading measured with a high impedance type voltmeter. The measurement value may vary depending on the measuring instruments used or on the product.

RD-HML700





1

RD-HML700(3/3)

X14-7720-00(A/4)

This diagram shows the exploded perspective view of the rear panel assembly. Key components include:

- AUX IN**: A connector at the top left.
- SUB WOOFER PREOUT J1**: A jack connector below the AUX IN.
- SPEAKERS J2**: A speaker connector below the SUB WOOFER PREOUT.
- X14-772 B/4**: A component connected to the SPEAKERS J2.
- ANTENNA**: An antenna component connected to the main chassis via a cable labeled 689 and 645.
- 601**: The main rear chassis plate.
- 636, 633, 632, 664, 654, 628, L**: Various small components and fasteners on the left side.
- 646, 643, 645**: Components on the right side of the chassis.
- Gx2, Gx2**: Mounting points or pins on the right side.
- 790**: A component mounted on the right side.
- X09-681 A/2**: A component at the bottom right.
- Ex2, H, E, R, Q**: Mounting points or pins on the bottom left.
- 760**: A component at the bottom left.
- SP-R**: A speaker component shown separately at the bottom.
- 610**: A mesh grille component shown separately at the bottom left.

[illegible]

Diagram of a 621 component with two B pins.

SP-L

DOOR OPEN S14 CD EJECT S13

609

This diagram shows the input devices and their connections. It includes a monitor (686) with a cable (640) connecting to a central processing unit (602). A keyboard (618) is shown with a cable (685) connecting to the central processing unit. A mouse (690) is also shown with a cable connecting to the central processing unit.

A	:	N09-1445-05
B	:	N09-5475-05
C	:	N09-5484-05
D	$\phi 2.6 \times 8$	: N82-2608-46
E	$\phi 2.6 \times 4$ (BLK)	: N86-2604-45
F	$\phi 3 \times 6$	: N89-3006-46
G	$\phi 3 \times 8$ (BLK)	: N89-3008-46
H	$\phi 3 \times 8$ (BLK)	: N89-3008-45
J	:	N09-5492-05
K	:	N09-5497-05
L	:	N19-1543-04
M	$\phi 2 \times 8$	: N89-2008-46
P	:	N09-5500-05
Q	:	N09-5501-05
R	$\phi 2.6 \times 6$	: N86-2606-46

Diagram of the front panel of a CD player. The panel includes a POWER button (S7) at the top left. Below it is a large rectangular display area labeled ED1. At the bottom left is a row of five buttons: TUNER (S1), AUX (S2), CD (S3) with a play/pause icon, a left arrow (S4), a right arrow (S5), and STOP (S6). At the bottom right is a VOLUME control (S15) with a vertical slider.

[illegible]

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1

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
RD-HML700						
601	1G	*	A09-1283-02	STAND		
602	1E	*	A09-1290-08	BATTERY COVER		
604	1G	*	A11-1229-22	SUB CHASSIS R		
605	1F	*	A11-1230-22	SUB CHASSIS L		
608	2E	*	A21-5439-03	DRESSING PANEL		
609	1E	*	A21-5448-03	DRESSING PANEL L		
610	2G	*	A21-5449-03	DRESSING PANEL R		
611	1F	*	A21-5467-04	DRESSING PANEL		
613	2F	*	A50-1414-12	SIDE PLATE L		
614	2F	*	A50-1415-02	SIDE PLATE R		
615	2E	*	A60-2339-01	PANEL FRONT		
616	1F	*	A60-2354-11	PANEL TOP		
618	1E	*	A70-1643-05	REMOTE CONTROLLER		
-		*	B60-5365-00	INSTRUCTION MANUAL		
620	2E	*	B10-3962-03	FRONT GLASS FRONT		
621	1F	*	B10-3968-13	FRONT GLASS		
622	2E	*	B19-1663-04	LENS 6LED		
624	2E	*	B19-1665-04	LENS 2LED		
625	2E	*	B11-1583-04	OPTICAL DIFFUSER		
627	2E	*	B19-1661-04	LENS		
628	1G	*	D10-5063-23	ARM R		
629	2F	*	D10-5064-04	ROD		
630	1F	*	D10-5065-33	ARM L		
631	1F	*	D10-5070-04	SLIDER		
632	1G	*	D10-5071-04	SLIDER		
633	1G	*	D13-2637-13	GEAR		
634	1G	*	D13-2638-04	GEAR		
635	2G	*	D13-2639-04	GEAR		
636	1G	*	D16-0802-13	BELT		
637	2F,1G	*	D21-2958-14	SHAFT		
640	1E	*	E30-7305-05	AC POWER CORD (INLET)		
641	1G	*	E30-7303-05	SPEAKER CORD L		
642	1G	*	E30-7304-05	SPEAKER CORD R		
643	2F,2G	*	E35-3551-05	FLAT CABLE CD-X09,29P		
645	1G,2G	*	E35-3553-05	FLAT CABLE TUNER-X09,11P		
646	2E,1G	*	E35-3577-05	FLAT CABLE X14-X09		
649	1G	*	F07-2019-11	COVER		
650	1F	*	F19-1128-04	BLIND PLATE		
654	1G	*	G01-4357-04	TORSION COIL SPRING,R		
655	1F	*	G01-4358-04	TORSION COIL SPRING,L		
-		*	H10-7901-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7902-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H25-1540-04	PROTECTION BAG		
-		*	H25-1642-04	PROTECTION BAG		
-		*	H50-4844-04	ITEM CARTON CASE		
661	1F	*	J19-6395-03	HOLDER		
663	1F	*	J19-6398-14	HOLDER ASSY L		
664	1G	*	J19-6399-14	HOLDER ASSY R		
670	2E	*	K29-8293-03	KNOB		
671	2E	*	K29-8294-04	KNOB		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
672	1F	*	K29-8316-03	KNOB		
673	1F	*	K29-8297-04	KNOB		
674	2E	*	K29-8298-04	KNOB		
675	2E	*	K29-8307-03	KNOB BASE		
676	1F	*	K29-8320-04	KNOB ASSY		
S33	2F		S33-3001-05	LEVER ROTARY SWITCH		
S64	1F		S64-0040-05	LEVER SWITCH		
680	1F	*	T42-1142-04	MOTOR ASSY		
685	1E	*	T90-0877-05	LEAD WIRE ANTENNA		
686	1E	*	T90-0906-05	LOOP ANTENNA		
SP-L	1F	*	T19-0218-05	SPEAKER SYSTEM		
SP-R	2G	*	T19-0219-05	SPEAKER SYSTEM		
689	1G	*	W02-2980-05	TUNER ASSY		
 690	1E	*	W09-1299-15	AC ADAPTOR		
AUDIO (X09-6812-71)						
C13 ,14			CE04KW1H010M	ELECTRO	1.0UF	50WV
C21 ,22			CE04KW1H100M	ELECTRO	10UF	50WV
C23 ,24			CK73GB1A154K	CHIP C	0.15UF	K
C25 ,30			CK73GB1C104K	CHIP C	0.10UF	K
C31 ,32			CK73GB1H392K	CHIP C	3900PF	K
C33 ,34			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C35 ,36			CC73GCH1H101J	CHIP C	100PF	J
C37 ,38			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C42			CE04KW1A101M	ELECTRO	100UF	10WV
C43			CE04KW1H220M	ELECTRO	22UF	50WV
C45 ,46			CK73GB1C683K	CHIP C	0.068UF	K
C47 ,48			CC73GCH1H221J	CHIP C	220PF	J
C51			CE04KW1A101M	ELECTRO	100UF	10WV
C52			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C53			CC73GCH1H220J	CHIP C	22PF	J
C61 ,62			CK73GB1H102K	CHIP C	1000PF	K
C101,102			CE04HW1HR47M	NP-ELEC	0.47UF	50WV
C103,104			CC73GCH1H471J	CHIP C	470PF	J
C105-108			CK73GB1C104K	CHIP C	0.10UF	K
C109			C90-3377-05	ELECTRO	470UF	16WV
C110			CE04KW1H100M	ELECTRO	10UF	50WV
C111			CE04KW1C222M	ELECTRO	2200UF	16WV
C112			CC73GCH1H471J	CHIP C	470PF	J
C113,114			CK73GB1H102K	CHIP C	1000PF	K
C115,116			CC73GCH1H050C	CHIP C	5.0PF	C
C117,118			CC73GCH1H221J	CHIP C	220PF	J
C121,122			C90-3413-05	ELECTRO	22UF	50WV
C123			CK73FF1C225Z	CHIP C	2.2UF	Z
C151			CE04KW1A101M	ELECTRO	100UF	10WV
C152			CK73GB1H102K	CHIP C	1000PF	K
C202			CK73GB1H102K	CHIP C	1000PF	K
C203,204			CC73GCH1H180J	CHIP C	18PF	J
C205,206			CK73GB1H103K	CHIP C	0.010UF	K
C207-211			CK73GB1H102K	CHIP C	1000PF	K
C212-214			CK73GB1H103K	CHIP C	0.010UF	K
C215			CK73GB1H102K	CHIP C	1000PF	K
C281			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C282			CE04LW1H0R1M	ELECTRO	0.1UF	50WV
C283			CK73GB1H103K	CHIP C	0.010UF	K

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C284			CE04DW0J102M	ELECTRO	1000UF	6.3VW
C292			CC73GCH1H180J	CHIP C	18PF	J
C293,294			CE04KW1A101M	ELECTRO	100UF	10WV
C301			CE04KW1A101M	ELECTRO	100UF	10WV
C302			CE04KW1H100M	ELECTRO	10UF	50WV
C303			CC73GCH1H100D	CHIP C	10PF	D
C311			CE04KW1A101M	ELECTRO	100UF	10WV
C312			CE04KW1H100M	ELECTRO	10UF	50WV
C321			CE04DW1C471M	ELECTRO	470UF	16WV
C322			CE04KW1H100M	ELECTRO	10UF	50WV
C323			CK73GF1E104Z	CHIP C	0.10UF	Z
C341			CE04KW1A101M	ELECTRO	100UF	10WV
C351			CC73GCH1H101J	CHIP C	100PF	J
C361			CC73GCH1H101J	CHIP C	100PF	J
C371			CC73GCH1H101J	CHIP C	100PF	J
C422			CE04KW1A221M	ELECTRO	220UF	10WV
C424			CK73GB1H223K	CHIP C	0.022UF	K
C425			CK73GB1H103K	CHIP C	0.010UF	K
C431,432			CC73GCH1H100D	CHIP C	10PF	D
C451			CK73GB1H103K	CHIP C	0.010UF	K
C452			CK73GB1H102K	CHIP C	1000PF	K
C551			CE04KW1E470M	ELECTRO	47UF	25WV
C552			CK73GF1A105Z	CHIP C	1.0UF	Z
C601,602			CC73GCH1H471J	CHIP C	470PF	J
C603			CK73GB1H102K	CHIP C	1000PF	K
C605,606			CK73GB1H152K	CHIP C	1500PF	K
C801			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C802			CC73GCH1H271J	CHIP C	270PF	J
C803			CK73GB1H103K	CHIP C	0.010UF	K
C804			CK73GB1H561K	CHIP C	560PF	K
C805			CK73GB1H103K	CHIP C	0.010UF	K
C806,807			CC73GCH1H270J	CHIP C	27PF	J
C808			CC73GCH1H101J	CHIP C	100PF	J
C811			CE04KW1A101M	ELECTRO	100UF	10WV
CN201			E40-4944-05	FLAT CABLE CONNECTOR		
CN411			E40-8991-05	FLAT CABLE CONNECTOR		
CN455			E40-4898-05	FLAT CABLE CONNECTOR		
J351		*	E03-0504-05	DC JACK		
J601		*	E11-0972-05	MINIATURE PHONE JACK(STEREO, D		
L411			L92-0089-05	CHIP FERRITE		
L421			L92-0517-05	FERRITE CORE		
X201			L77-2173-05	CRYSTAL RESONATOR(32.768KHZ)		
X202			L78-0754-05	RESONATOR(10MHZ)		
X801			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)		
R13,14			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R15-18			RK73GB1J101J	CHIP R	100	J 1/16W
R21-24			RK73GB1J682J	CHIP R	6.8K	J 1/16W
R45			RK73GB1J471J	CHIP R	470	J 1/16W
R46			RK73GB1J100J	CHIP R	10	J 1/16W
R51			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R52			RK73GB1J101J	CHIP R	100	J 1/16W
R53			RK73GB1J100J	CHIP R	10	J 1/16W
R61,62			RK73GB1J101J	CHIP R	100	J 1/16W
R101-104			RK73GB1J103J	CHIP R	10K	J 1/16W

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R105,106			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R107-110			RK73EB2B2R2J	CHIP R	2.2	J 1/8W
R111			RK73GB1J333J	CHIP R	33K	J 1/16W
R121,122			RK73EB2B151J	CHIP R	150	J 1/8W
R123,124			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R125			RK73GB1J473J	CHIP R	47K	J 1/16W
R126			RK73GB1J101J	CHIP R	100	J 1/16W
R127			RK73GB1JR47J	CHIP R	0.47	J 1/16W
R151,152			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R153			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R154			RK73GB1J101J	CHIP R	100	J 1/16W
R155			RK73GB1J223J	CHIP R	22K	J 1/16W
R156			RK73GB1J100J	CHIP R	10	J 1/16W
R157			RK73GB1J473J	CHIP R	47K	J 1/16W
R201-204			RK73GB1J101J	CHIP R	100	J 1/16W
R205			RK73GB1J473J	CHIP R	47K	J 1/16W
R206			RK73GB1J101J	CHIP R	100	J 1/16W
R207			RK73GB1J103J	CHIP R	10K	J 1/16W
R208			RK73GB1J104J	CHIP R	100K	J 1/16W
R209			RK73GB1J475J	CHIP R	4.7M	J 1/16W
R210			RK73GB1J104J	CHIP R	100K	J 1/16W
R211			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R212			RK73GB1J182J	CHIP R	1.8K	J 1/16W
R213			RK73GB1J1R0J	CHIP R	1	J 1/16W
R214			RK73GB1J103J	CHIP R	10K	J 1/16W
R215			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R217			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R219			RK73GB1J104J	CHIP R	100K	J 1/16W
R223			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R225			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R227,228			RK73GB1J101J	CHIP R	100	J 1/16W
R231			RK73GB1J104J	CHIP R	100K	J 1/16W
R232			RK73GB1J473J	CHIP R	47K	J 1/16W
R233			RK73GB1J101J	CHIP R	100	J 1/16W
R234			RK73GB1J473J	CHIP R	47K	J 1/16W
R235			RK73GB1J101J	CHIP R	100	J 1/16W
R236			RK73GB1J473J	CHIP R	47K	J 1/16W
R237			RK73GB1J101J	CHIP R	100	J 1/16W
R238			RK73GB1J473J	CHIP R	47K	J 1/16W
R239-243			RK73GB1J101J	CHIP R	100	J 1/16W
R245,246			RK73GB1J104J	CHIP R	100K	J 1/16W
R248			RK73GB1J104J	CHIP R	100K	J 1/16W
R249			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R250			RK73EB2B470J	CHIP R	47	J 1/8W
R251-256			RK73GB1J101J	CHIP R	100	J 1/16W
R257			RK73GB1J473J	CHIP R	47K	J 1/16W
R258			RK73GB1J101J	CHIP R	100	J 1/16W
R259			RK73GB1J473J	CHIP R	47K	J 1/16W
R260,261			RK73GB1J101J	CHIP R	100	J 1/16W
R262			RK73GB1J103J	CHIP R	10K	J 1/16W
R263			RK73GB1J101J	CHIP R	100	J 1/16W
R264			RK73GB1J103J	CHIP R	10K	J 1/16W
R265,266			RK73GB1J101J	CHIP R	100	J 1/16W
R269			RK73GB1J473J	CHIP R	47K	J 1/16W
R270			RK73GB1J392J	CHIP R	3.9K	J 1/16W

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PARTS LIST

RD-HML700

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R271-276 R277-279 R281 R282,283 R284			RK73GB1J103J RK73GB1J101J RK73GB1J102J RK73GB1J104J RK73GB1J102J	CHIP R 10K J 1/16W CHIP R 100 J 1/16W CHIP R 1.0K J 1/16W CHIP R 100K J 1/16W CHIP R 1.0K J 1/16W		
R285 R286 R291,292 R301,302 R312			RK73GB1J103J RK73GB1J102J RK73GB1J1R0J RK73GB1J1R0J RK73GB1J1R0J	CHIP R 10K J 1/16W CHIP R 1.0K J 1/16W CHIP R 1 J 1/16W CHIP R 1 J 1/16W CHIP R 1 J 1/16W		
R321,322 R323 R341 R342 R343			RK73GB1J1R0J RK73GB1J562J RK73GB1J4R7J RK73GB1J103J RK73GB1J152J	CHIP R 1 J 1/16W CHIP R 5.6K J 1/16W CHIP R 4.7 J 1/16W CHIP R 10K J 1/16W CHIP R 1.5K J 1/16W		
R351 R361 R371 R372 R373			RK73EB2B102J RK73GB1J222J RK73GB1J104J RK73GB1J333J RK73GB1J750J	CHIP R 1.0K J 1/8W CHIP R 2.2K J 1/16W CHIP R 100K J 1/16W CHIP R 33K J 1/16W CHIP R 75 J 1/16W		
R422 R431,432 R551,552 R553,554 R555			RK73GB1J2R2J RK73GB1J161J RK73GB1J101J RD14NB2E2R2J RK73GB1J103J	CHIP R 2.2 J 1/16W CHIP R 160 J 1/16W CHIP R 100 J 1/16W RD 2.2 J 1/4W CHIP R 10K J 1/16W		
R556 R601,602 R603,604 R801 R802-804			RK73GB1J562J RK73GB1J103J RK73GB1J4R7J RK73GB1J473J RK73GB1J101J	CHIP R 5.6K J 1/16W CHIP R 10K J 1/16W CHIP R 4.7 J 1/16W CHIP R 47K J 1/16W CHIP R 100 J 1/16W		
R811 R812 W1 -4 W11 -21 W23 -26			RK73GB1J471J RK73GB1J100J R92-1252-05 R92-0679-05 R92-0679-05	CHIP R 470 J 1/16W CHIP R 10 J 1/16W CHIP R 0 OHM J 1/16W CHIP R 0 OHM CHIP R 0 OHM		
D45 D51 D51 D281 D281		*	UDZ2.4B HZU5.6(B2) UDZS5.6B DAP202U MA142WA	ZENER DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D281 D282 D282 D301 D301			1SS300 MA111 1SS355 MA111 1SS355	DIODE DIODE DIODE DIODE DIODE		
D311 D321 D321 D421 D811			S5688B(TPB5) MA111 1SS355 DAN217U HZU5.1(B2)	DIODE DIODE DIODE DIODE ZENER DIODE		
D811 IC11 IC101 IC201 IC281		*	UDZS5.1B M61510FP LA4632 M30624MGA524FP XC61CN4002MR	ZENER DIODE ANALOGUE IC ANALOGUE IC MICROPROCESSOR IC ANALOGUE IC		

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Δ IC301 Δ IC311 Δ IC321 IC341 IC551		*	XC6201P572PR KIA7805API TA78057S SI-3033LU TA8409S	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC MOS-IC		
IC801 Q51 Q51 Q121,122 Q121,122			BU1924F KTC3199(Y,GR) 2SC1740S(Q,R) 2SC4213(B) 2SD2351	ANALOGUE IC TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q151,152 Q151,152 Q153 Q153 Q154			2SC4213(B) 2SD2351 2SA1576A(R,S) 2SB1218A(Q,R) DTC124EUA	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		
Q154 Q154 Q155 Q155 Q271,272			KRC403 UN5112 DTA143TUA UN5116 2SA1576A(R,S)	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
Q271,272 Q281 Q281 Q351 Q352			2SB1218A(Q,R) 2SC4081(R,S) 2SD1819A(Q,R) 2SA1286-T11 DTC143TUA	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		
Q352 Q361 Q361 Q362 Q362			UN5216 KTA1273 2SA1534A(R,S) DTC143TUA UN5216	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
DISPLAY (X14-7722-71)						
D1 D3 -8 D13 D14 ,15 ED1		*	B30-2601-05 B30-2545-05 B30-2545-05 B30-2648-05 B38-0264-05	LED(GREEN/RED LED) LED(RED3(160)) LED(RED3(160)) LED(BLUE) LIQUID CRYSTAL		
C1 ,2 C3 ,4 C5 C6 C7 -9			CE04RW0J220M CC73GCH1H221J CK73GF1E104Z CC73GCH1H470J CC73GCH1H221J	ELECTRO 22UF 6.3WV CHIP C 220PF J CHIP C 0.10UF Z CHIP C 47PF J CHIP C 220PF J		
C10 C11 -17 C51 ,52 C53 ,54 C55 ,56			CE04RW0J220M CK73GF1E104Z CC73GCH1H471J CC73GCH1H221J CK73GF1A105Z	ELECTRO 22UF 6.3WV CHIP C 0.10UF Z CHIP C 470PF J CHIP C 220PF J CHIP C 1.0UF Z		
C57 ,58 C59 ,60 C61 C62 C63 -66			CE04RW0J220M CC73GCH1H100D CC73GCH1H221J CE04RW1A101M CE04RW1C4R7M	ELECTRO 22UF 6.3WV CHIP C 10PF D CHIP C 220PF J ELECTRO 100UF 10WV ELECTRO 4.7UF 16WV		
C101-104 C105			CK73GB1H222K CC73GCH1H221J	CHIP C 2200PF K CHIP C 220PF J		
CN1			E40-4944-05	FLAT CABLE CONNECTOR		

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J1		*	E63-1328-05	PIN JACK		
J2		*	E58-0061-05	RECTANGULAR RECEPTACLE		
L1 ,2			L92-0517-05	FERRITE CORE		
R35			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R36 -39			RK73GB1J101J	CHIP R 100 J 1/16W		
R41			RK73GB1J100J	CHIP R 10 J 1/16W		
R42		*	R92-4597-05	CHIP R 120K F 1/16W		
R43		*	R92-4598-05	CHIP R 240K F 1/16W		
R44			RK73GB1J100J	CHIP R 10 J 1/16W		
R45			RK73GB1J223J	CHIP R 22K J 1/16W		
R47			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R48			RK73GB1J101J	CHIP R 100 J 1/16W		
R49			RK73GB1J223J	CHIP R 22K J 1/16W		
R51 ,52			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R53 ,54			RK73GB1J104J	CHIP R 100K J 1/16W		
R57			RK73GB1J101J	CHIP R 100 J 1/16W		
R58			RK73GB1J473J	CHIP R 47K J 1/16W		
R59			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R61			RK73GB1J271J	CHIP R 270 J 1/16W		
R62			RK73GB1J100J	CHIP R 10 J 1/16W		
R63 ,64			RK73GB1J104J	CHIP R 100K J 1/16W		
R65 ,66			RK73GB1J473J	CHIP R 47K J 1/16W		
W102			R92-1252-05	CHIP R 0 OHM J 1/16W		
S1 -14			S70-0086-05	TACT SWITCH		
S15		*	T99-0689-05	ROTARY ENCODER		
D16			HZS5.1N(B2)	ZENER DIODE		
D16			MTZJ5.1(B)	ZENER DIODE		
D17			HSS104A	DIODE		
D17			1SS133	DIODE		
D18			HZU7.5(B2)	ZENER DIODE		
D18			UDZS7.5B	ZENER DIODE		
D19 ,20			DAN217U	DIODE		
IC1			BU2090	ANALOGUE IC		
IC2			NJM4565MD	IC(OP AMP X2)		
Q1			KTA1267(Y,GR)	TRANSISTOR		
Q1			2SA933AS(Q,R)	TRANSISTOR		
Q2			2SA1576A(R,S)	TRANSISTOR		
Q2			2SB1218A(Q,R)	TRANSISTOR		
Q3			2SC4081(R,S)	TRANSISTOR		
Q3			2SD1819A(Q,R)	TRANSISTOR		
Q4			DTC124EUA	DIGITAL TRANSISTOR		
Q4			KRC403	DIGITAL TRANSISTOR		
Q4			UN5212	DIGITAL TRANSISTOR		
Q5			2SA1576A(R,S)	TRANSISTOR		
Q5			2SB1218A(Q,R)	TRANSISTOR		
Q7			DTA114EUA	DIGITAL TRANSISTOR		
Q8			DTC114EUA	DIGITAL TRANSISTOR		
Q9			DTA114EUA	DIGITAL TRANSISTOR		
Q10			DTC114EUA	DIGITAL TRANSISTOR		
A1			W02-2759-05	ELECTRIC CIRCUIT MODULE		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
PROCESSOR (X32-7552-71)						
C1			CK73GB1H223K	CHIP C 0.022UF K		
C2			CE32AP0J470M	CHIP EL 47UF 6.3WV		
C3			CE32AC0J331M	CHIP EL 330UF 6.3WV		
C4 ,5			CK73GB1C104K	CHIP C 0.10UF K		
C6 ,7			CK73GB1H562K	CHIP C 5600PF K		
C8 ,9			CK73GB1C104K	CHIP C 0.10UF K		
C10 ,11			CC73GCH1H331J	CHIP C 330PF J		
C12 ,13			CK73GB1H102K	CHIP C 1000PF K		
C14			CE32AP0J470M	CHIP EL 47UF 6.3WV		
C15			CK73GB1H392K	CHIP C 3900PF K		
C16			CE32AP0J470M	CHIP EL 47UF 6.3WV		
C17			CK73GB1H102K	CHIP C 1000PF K		
C18			CK73GB1H223K	CHIP C 0.022UF K		
C19			CK73GB1C104K	CHIP C 0.10UF K		
C20			CK73GB1H102K	CHIP C 1000PF K		
C21 ,22			CK73GB1C104K	CHIP C 0.10UF K		
C23			CK73GB1H102K	CHIP C 1000PF K		
C24 ,25			CC73GCH1H090D	CHIP C 9.0PF D		
C26			CK73GB1C104K	CHIP C 0.10UF K		
C27			CE32AP0J470M	CHIP EL 47UF 6.3WV		
C28			CK73GB1H223K	CHIP C 0.022UF K		
C29			CK73GB1H102K	CHIP C 1000PF K		
C30			CC73GCH1H471J	CHIP C 470PF J		
C31			CK73GB1H103K	CHIP C 0.010UF K		
C32			CC73GCH1H150J	CHIP C 15PF J		
C33 ,34			CC73GCH1H391J	CHIP C 390PF J		
C35 -38			CK73GB1H102K	CHIP C 1000PF K		
C39			CE32AP0J470M	CHIP EL 47UF 6.3WV		
C40			CE32AC0J331M	CHIP EL 330UF 6.3WV		
C41			CK73GB1C473K	CHIP C 0.047UF K		
C42			CE32AP0J470M	CHIP EL 47UF 6.3WV		
C43			CK73GB1H102K	CHIP C 1000PF K		
C44			CK73GB1C104K	CHIP C 0.10UF K		
C45			CE32AP1A330M	CHIP EL 33UF 10WV		
C46			CK73GB1A474K	CHIP C 0.47UF K		
C47			CK73GB1H103K	CHIP C 0.010UF K		
C48			CK73GB1H102K	CHIP C 1000PF K		
C49 ,50			CK73GB1C104K	CHIP C 0.10UF K		
C52 ,53			CK73GB1C104K	CHIP C 0.10UF K		
C56			CK73GB1H102K	CHIP C 1000PF K		
C57			CK73GB1H103K	CHIP C 0.010UF K		
C60 ,61			CK73GB1C104K	CHIP C 0.10UF K		
CN1			E41-0919-05	FLAT CABLE CONNECTOR		
CN3			E41-0652-05	FLAT CABLE CONNECTOR		
X1			L77-2412-05	CRYSTAL RESONATOR(16.9344MHZ)		
R1 ,2			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R3			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R4			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R5			RK73GB1J122J	CHIP R 1.2K J 1/16W		
R7			RK73GB1J4R7J	CHIP R 4.7 J 1/16W		
R8			RK73GB1J103J	CHIP R 10K J 1/16W		

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R9			RK73GB1J752J	CHIP R 7.5K J 1/16W		
R10			RK73GB1J334J	CHIP R 330K J 1/16W		
R11			RK73GB1J104J	CHIP R 100K J 1/16W		
R12			RK73GB1J393J	CHIP R 39K J 1/16W		
R13			RK73GB1J333J	CHIP R 33K J 1/16W		
R14			RK73GB1J392J	CHIP R 3.9K J 1/16W		
R16			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R17			RK73GB1J153J	CHIP R 15K J 1/16W		
R20			RK73GB1J753J	CHIP R 75K J 1/16W		
R21			RK73GB1J473J	CHIP R 47K J 1/16W		
R22			RK73GB1J183J	CHIP R 18K J 1/16W		
R23			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R24			RK73GB1J224J	CHIP R 220K J 1/16W		
R25			RK73GB1J683J	CHIP R 68K J 1/16W		
R26			RK73GB1J822J	CHIP R 8.2K J 1/16W		
R28			RK73GB1J334J	CHIP R 330K J 1/16W		
R29			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R31 -33			RK73GB1J563J	CHIP R 56K J 1/16W		
R34			RK73GB1J823J	CHIP R 82K J 1/16W		
R35			RK73GB1J331J	CHIP R 330 J 1/16W		
R36			RK73GB1J224J	CHIP R 220K J 1/16W		
R38 ,39			RK73GB1J221J	CHIP R 220 J 1/16W		
R40			RK73GB1J100J	CHIP R 10 J 1/16W		
R42			RK73GB1J220J	CHIP R 22 J 1/16W		
R43 ,44			RK73GB1J103J	CHIP R 10K J 1/16W		
R45			RK73GB1J223J	CHIP R 22K J 1/16W		
R46			RK73GB1J103J	CHIP R 10K J 1/16W		
R47 -49			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R50			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R51 ,52			RK73GB1J822J	CHIP R 8.2K J 1/16W		
R53 ,54			RK73GB1J752J	CHIP R 7.5K J 1/16W		
R55 ,56			RK73GB1J123J	CHIP R 12K J 1/16W		
R57 ,58			RK73GB1J750J	CHIP R 75 J 1/16W		
R59			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R63 -72			RK73GB1J750J	CHIP R 75 J 1/16W		
R73 ,74			RK73GB1J271J	CHIP R 270 J 1/16W		
R75			RK73GB1J101J	CHIP R 100 J 1/16W		
R76 ,77			RK73GB1J750J	CHIP R 75 J 1/16W		
R78			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R79			RK73GB1J473J	CHIP R 47K J 1/16W		
R81			RK73GB1J104J	CHIP R 100K J 1/16W		
R82			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R83			RK73GB1J750J	CHIP R 75 J 1/16W		
R84			RK73GB1J101J	CHIP R 100 J 1/16W		
R86			RK73GB1J101J	CHIP R 100 J 1/16W		
R87			RK73GB1J103J	CHIP R 10K J 1/16W		
R88			RK73GB1J273J	CHIP R 27K J 1/16W		
R91			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R92			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R93			RK73GB1J103J	CHIP R 10K J 1/16W		
R94			RK73GB1J910J	CHIP R 91 J 1/16W		
R95			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R96			RK73GB1J223J	CHIP R 22K J 1/16W		
R99			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R100,101			RK73GB1J100J	CHIP R 10 J 1/16W		

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R103			RK73GB1J103J	CHIP R 10K J 1/16W		
R104			RK73GB1J333J	CHIP R 33K J 1/16W		
R105			RK73GB1J223J	CHIP R 22K J 1/16W		
R106			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R109			RK73GB1J821J	CHIP R 820 J 1/16W		
R110			RK73GB1J222J	CHIP R 2.2K J 1/16W		
D2			HZU2.7(B2)	ZENER DIODE		
D2			UD22.7B	ZENER DIODE		
D3			MA111	DIODE		
D4 ,5			1SR154-400	DIODE		
D7			MA111	DIODE		
IC1		*	AN22004A	ANALOGUE IC		
IC2			MN6627482WB	MOS-IC		
IC3		*	MN101C427KY	MICROPROCESSOR IC		
IC4			BA5983FM	ANALOGUE IC		
IC5			NJM2100M	ANALOGUE IC		
IC7		*	BH6578FVM	ANALOGUE IC		
IC8			TC7S08FU	MOS-IC		
Q1			2SA1577(Q,R)	TRANSISTOR		
Q2			DTC114EUA	DIGITAL TRANSISTOR		
Q2			KRC402	DIGITAL TRANSISTOR		
Q2			UN5211	DIGITAL TRANSISTOR		
Q4			DTC114EUA	DIGITAL TRANSISTOR		
Q4			KRC402	DIGITAL TRANSISTOR		
Q4			UN5211	DIGITAL TRANSISTOR		
Q5			DTA114EUA	DIGITAL TRANSISTOR		
Q5			KRA302	DIGITAL TRANSISTOR		
Q5			UN5111	DIGITAL TRANSISTOR		
Q6			DTC114EUA	DIGITAL TRANSISTOR		
Q6			KRC402	DIGITAL TRANSISTOR		
Q6			UN5211	DIGITAL TRANSISTOR		
Q7			DTA143TUA	DIGITAL TRANSISTOR		
Q7			UN5116	DIGITAL TRANSISTOR		
MECHANISM (X92-2370-31) CDM-38						
-			J61-0307-05	WIRE BAND		
A			N89-3006-46	BINDING HEAD TAPTITE SCREW		
B		*	N19-1545-04	FLAT WASHER		
C		*	N39-1715-46	SCREW 1.7X1.5 S17N015		
LM	2B	*	T42-1148-08	MOTOR ASSY C8A025		
30	3B	*	D14-0829-08	ROLLER ASSY C8A024		
33	3B	*	G01-4359-08	TENSION SPRING C8S006B		
47	1A	*	S64-0065-08	LEVER SWITCH S01W205		
48	2A	*	GL4800	LED E01L975		
51	2A	*	J70-1707-08	SWITCH PCB C8P040		
54	2B	*	D16-0804-08	BELT C8G017		
58	2A	*	PT4800BC	PHOTO TRANSIS E01L980		
59	2A	*	J70-1708-08	SENSOR PCB C8P046		
63	3A	*	J02-1485-05	INSULATOR		
67	3A	*	D40-1819-05	MECHANISM ASSY		
70	3A	*	D39-0360-04	DAMPER		
80	1A	*	D40-1822-05	MECHANISM ASSY		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East,Hawaii) T : England G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas  indicates safety critical components .

PARTS LIST

RD-HML700

RD-HML700

SPECIFICATIONS

Main unit

Amplifier section

Effective output power during STEREO operation
(1 kHz, 10% T.H.D., at 6 Ω) 5 W + 5 W

Tuner section

FM tuner section
Tuning frequency range 87.5 MHz ~ 108 MHz
MW (AM) tuner section
Tuning frequency range 531 kHz ~ 1,602 kHz

CD player section

Laser Semiconductor laser
Over sampling 8 fs (352.8 Hz)
Laser wave length 760 - 800 nm
Laser power class Class 1 (IEC)
D/A Conversion 1 Bit
Wow and flutter Less than unmeasurable limit

General

Power supply
AC adapter (W09-1299)
..... DC 10 V (AC 110 V~240 V, 50/60 Hz)
Standby power consumption Less than 0.7 W

Speakers

Enclosure Bass-reflex type
Speaker configuration 80 mm, cone type
Impedance 6 Ω
Maximum input level 10 W

Dimensions and weight

Max. external dimension (When speakers are attached)
..... W : 542 mm
..... H : 218 mm
..... D : 163 mm
Max. external dimension (Main unit only)
..... W : 192 mm
..... H : 218 mm
..... D : 163 mm
Max. external dimension (With only one speaker)
..... W : 180 mm
..... H : 180 mm
..... D : 120 mm
Weight (When speakers are attached) 4.8 kg
Weight (Main unit only) 2.2 kg
Weight (With only one speaker) 1.3 kg



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

- Sufficient performance may not be exhibited at extremely cold locations (where water freezes).