

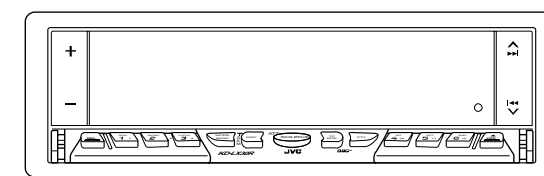
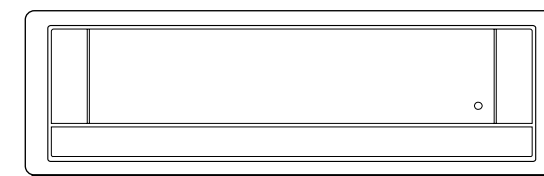
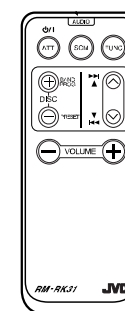
# JVC

## SERVICE MANUAL

CD RECEIVER

### KD-LX30R KD-LX10R

**Area Suffix**  
E ---- Continental Europe



	Line IN	Sub Woofer	Remote controller
<b>KD-LX30R</b>	○	○	○
<b>KD-LX10R</b>	×	×	×

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# JVC

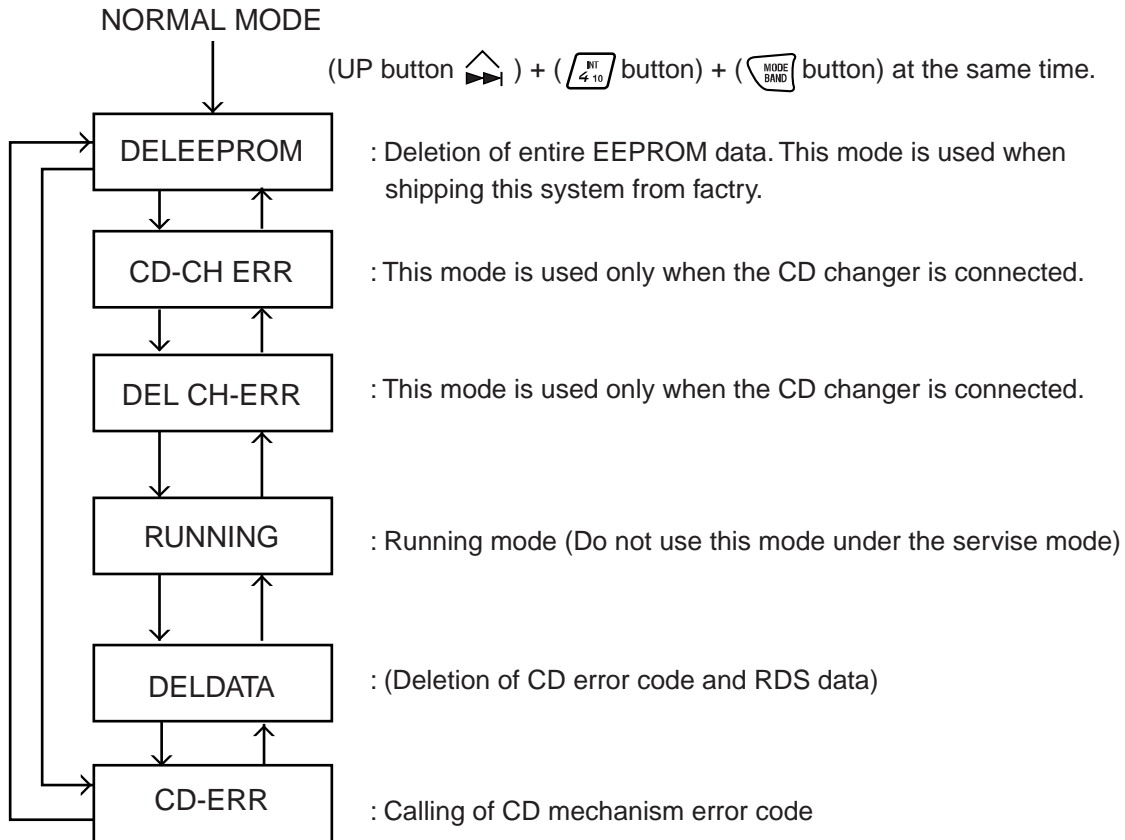
VICTOR COMPANY OF JAPAN, LIMITED  
MOBILE ELECTRONICS DIVISION, 10-1, 1Chome, Ohwatari-machi, Maebashi-city, Japan

# Functions of the mechanism under the service mode

With the three error modes stored in maximum in the internal memory of the mechanism in the body of this system, it is possible under the service mode to call the contents of error according to the following steps when any error has occurred.

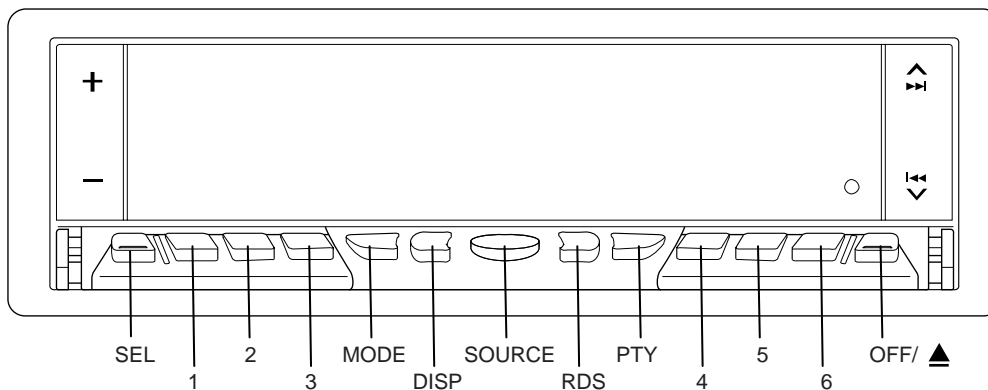
Press the three buttons (UP button ) + () + (Func button ). Then it is possible to select the following service modes. After changing over to the service mode, press the UP button  and DOWN button  to change the mode. For executing the respective service modes, press the SEL button.

With the service mode 2, it is possible to call the error codes of the mechanism.



### Data stored in EEPROM

1. RDS data
  2. CD mechanism error cord
  3. Station name (to be input by user)
  4. DISC name (to be input by user)
  5. AUX input name (application only to KD-LX30)
- \*Any data 3 to 5 above should not be deleted.



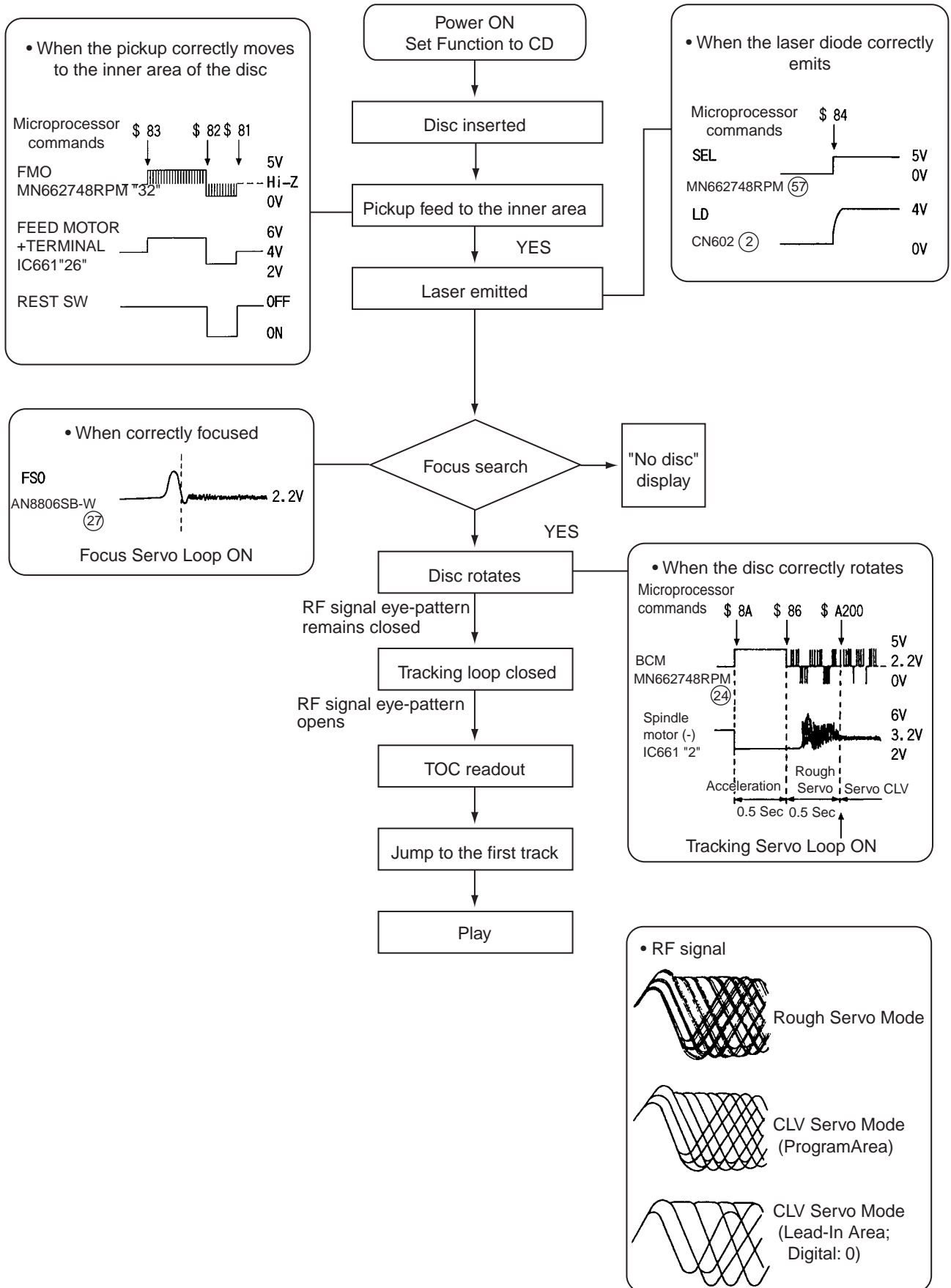
## 1. Display of mechanism error

Occurrence condition	Description	Error codes
Disc loading error	1. SW4 is not turned off. 2. SW3 is not turned on.	09 0011 09 0013
Eject error	1. SW# is not turned off.	01 0021
Error during standby for loading	1. In case SW2 has been positioned to "L" before starting loading during waiting for 15sec.	80 0031

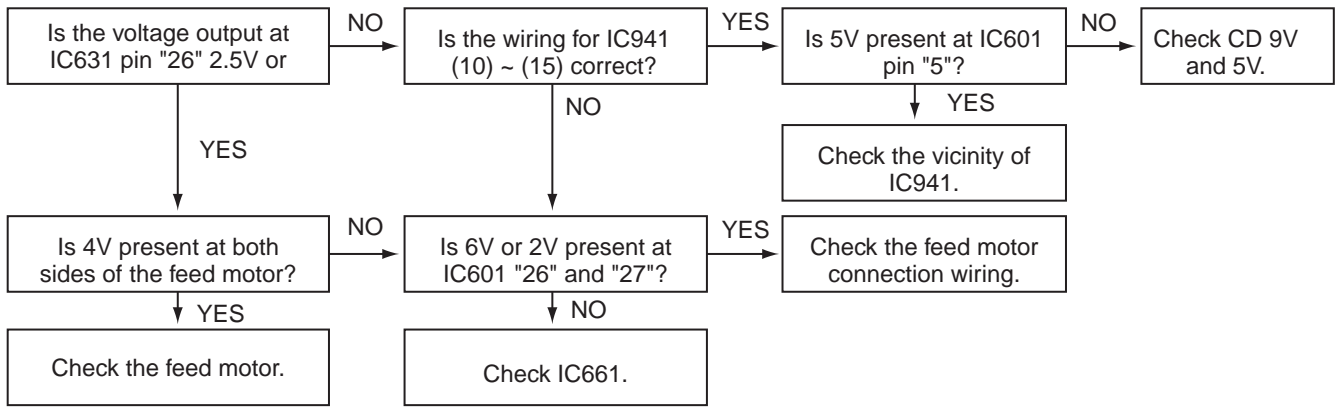
## 2. Display of CD error

Occurrence condition	Description	Error codes
Pickup feeding error 1. Inner peripheral feeding error (10sec.) 2. Outer peripheral feeding error (10sec.)	The pickup cannot returned to the inner peripheral, and the REST switch is not turned off. The pickup cannot be returned to the outer peripheral, and the REST switch is not turned off.	04 0051 04 0052
Focus search error In the case of focusing error after 3-way focus searching	In case the focus cannot be searched by one set of focus searching (3-way focus searching) after disc change and focus shock, judge that the focus searching system is in error.	81 0053
Tracking balance adjusting error In the case of time-over (1sec.) of timer	In case tracking balance cannot be adjusted even after elapse of 1sec. following execution of the adjusting command (TBA).	82 0054
TOC area searching error In the case of time-over (10sec.) of timer	In case TOC area searching is not ended even after elapse of 10sec.	82 0055
Reading error IN the case of time-over (30sec.) of timer	In case reading is not ended even after elapse of 30 sec. during TOC reading action.	84 0059
1st tracking access error In the case of time-over (10sec.) of timer	In case the first tracking access is not ended even after elapse of 10sec. following completion of TOC reading.	80 0060
Last tracking access error In the case of time-over (10sec.) of timer	In case the last tracking access is not ended even after elapse of 10sec. following completion of first tracking under the RUNNING mode.	80 0061
Q code reading error In the case of time-over (0.6sec.) of timer	In case the Q code cannot be read for 0.6sec. during playing TOC program area.	80 0062
TEXT data reading error	In case all TEXT data cannot be read.	80 0063

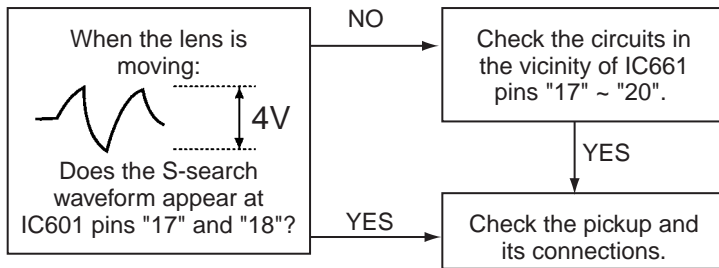
# Flow of functional operation until TOC read



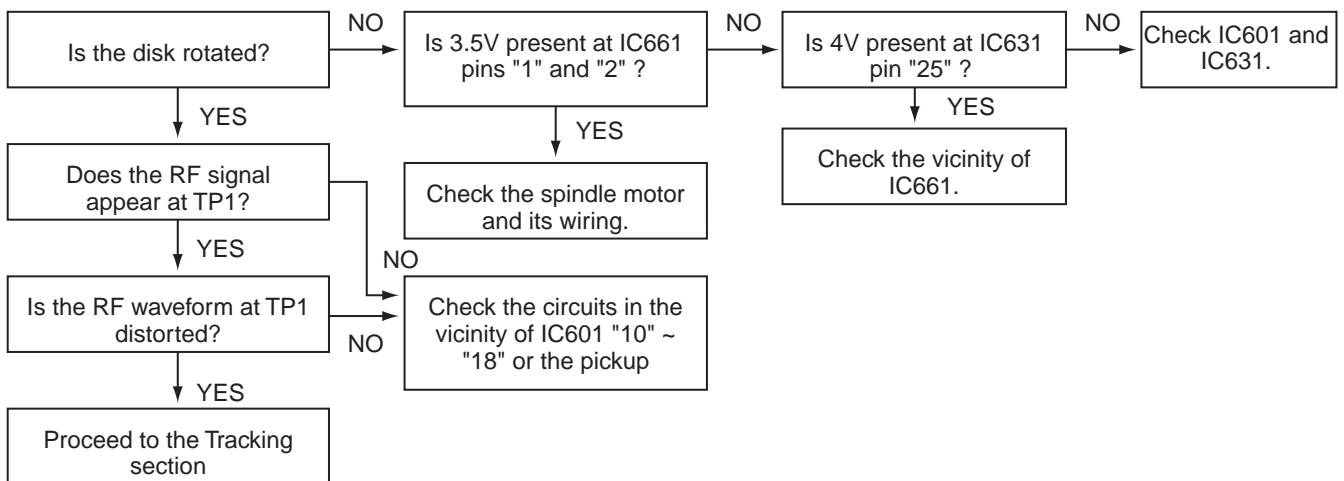
## Feed Section



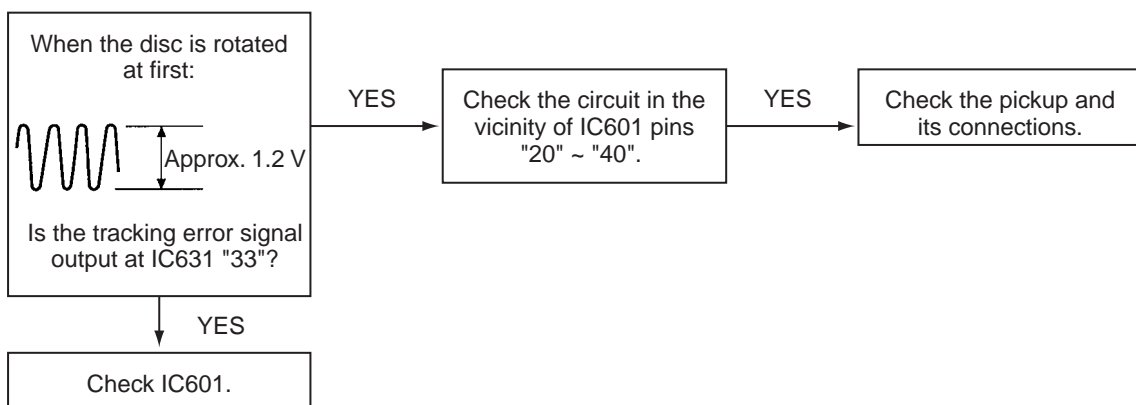
## Focus Section



## Spindle Section

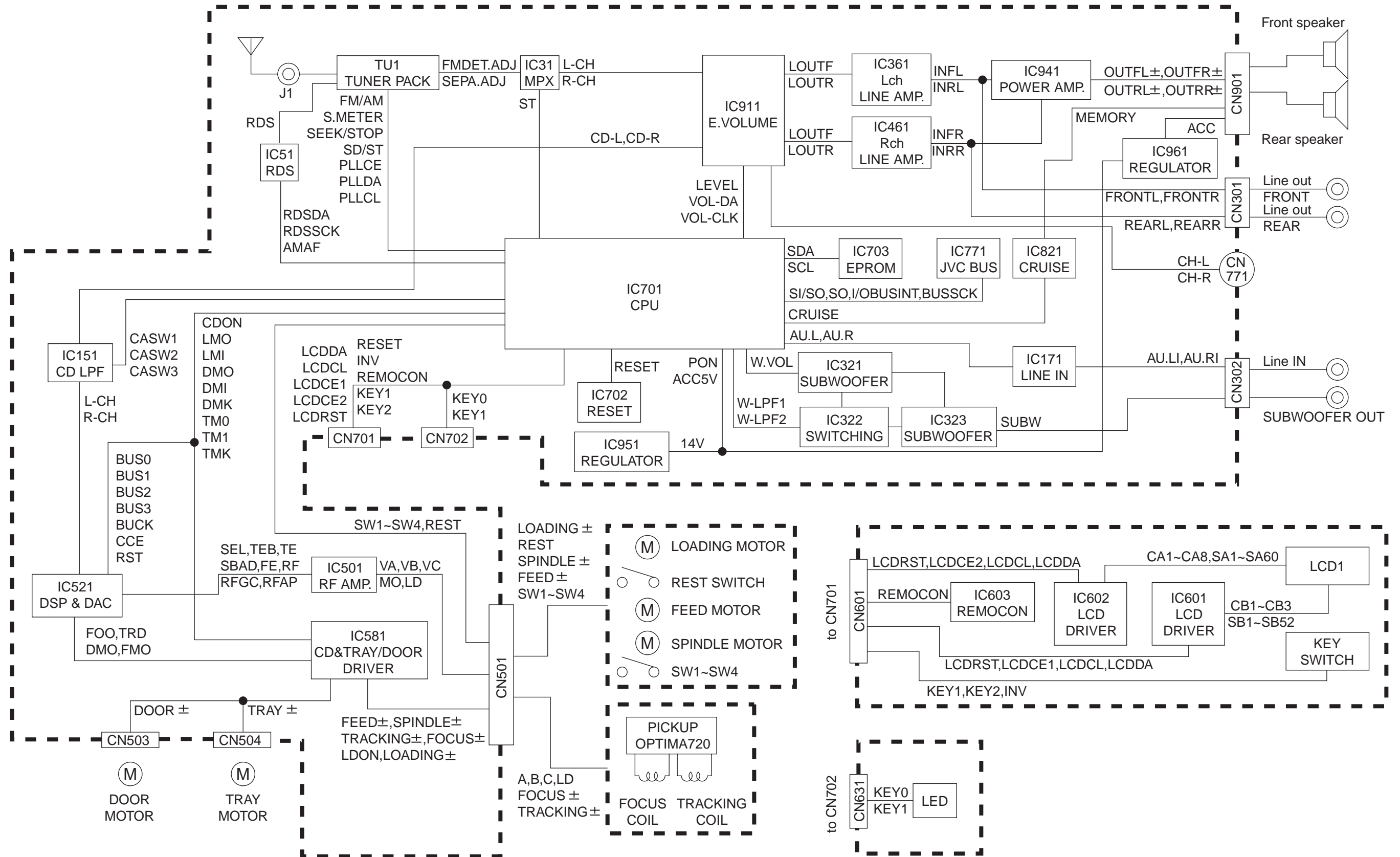


## Tracking Section

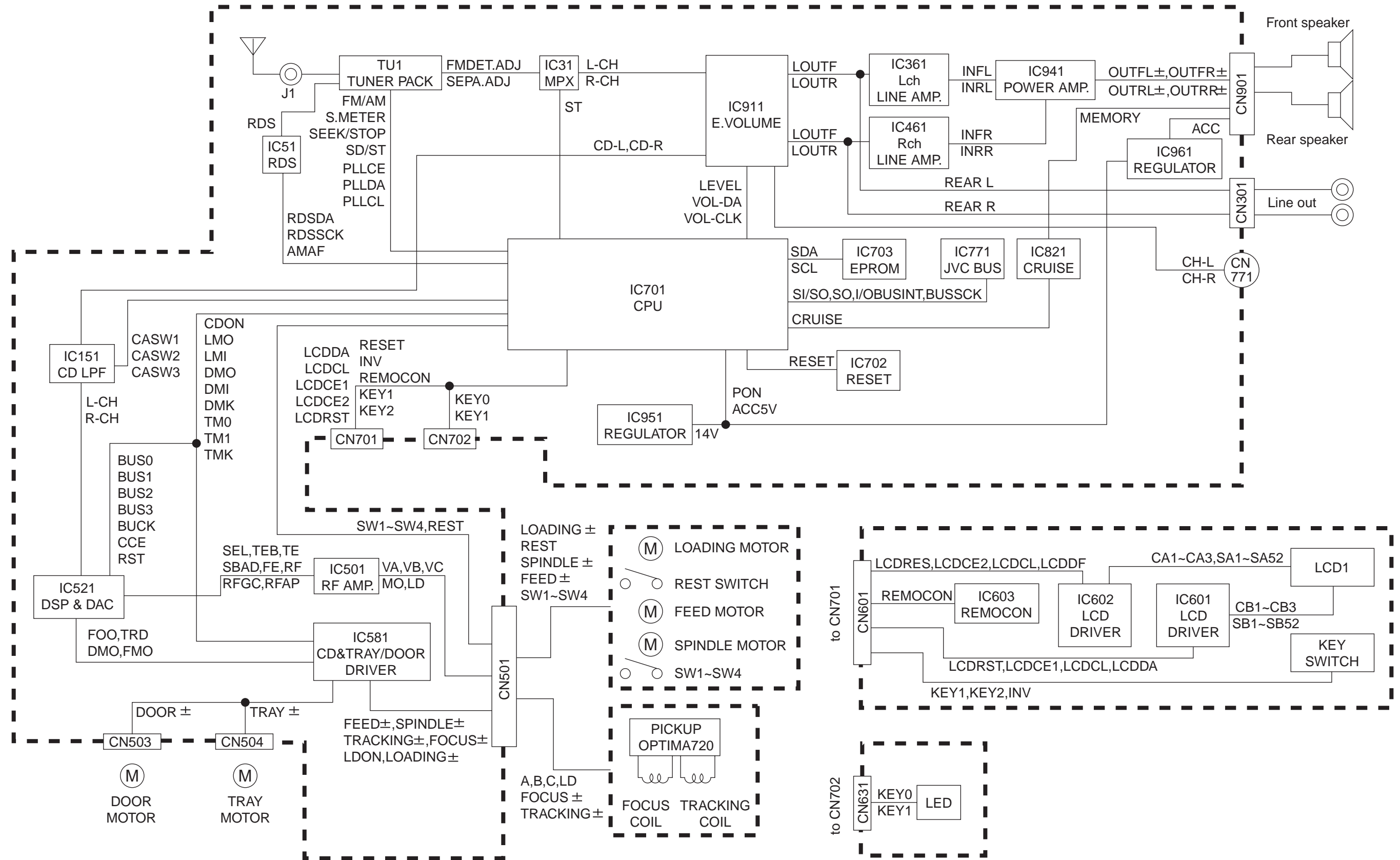


# Block diagrams

■KD-LX30

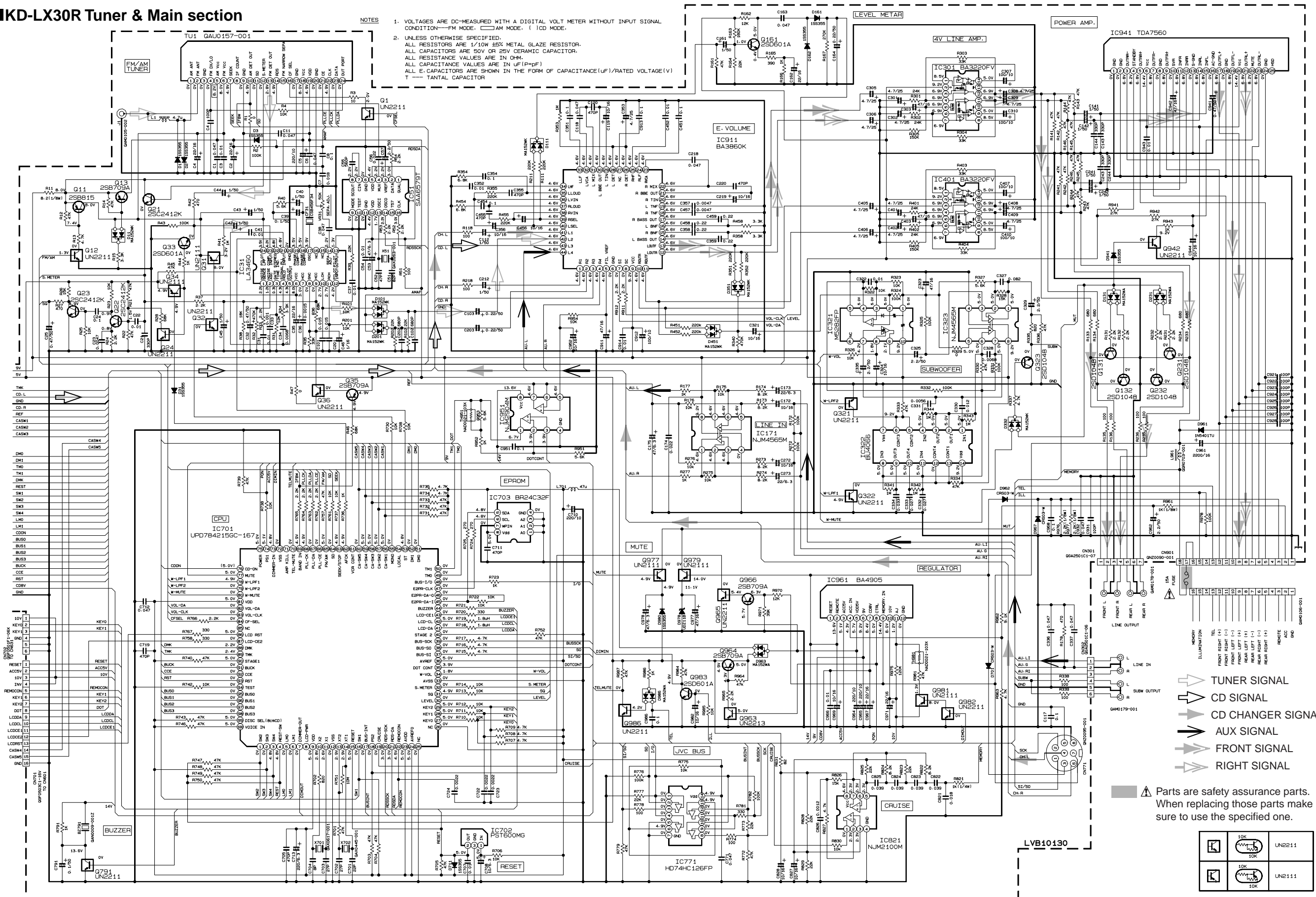


■KD-LX10



# Standard schematic diagrams

## ■KD-LX30R Tuner & Main section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION—FM MODE. ( ) AM MODE. ( ) CD MODE.
2. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM. ALL CAPACITANCE VALUES ARE IN UF (μF). ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (UF)/RATED VOLTAGE (V) T — TANTALUM CAPACITOR

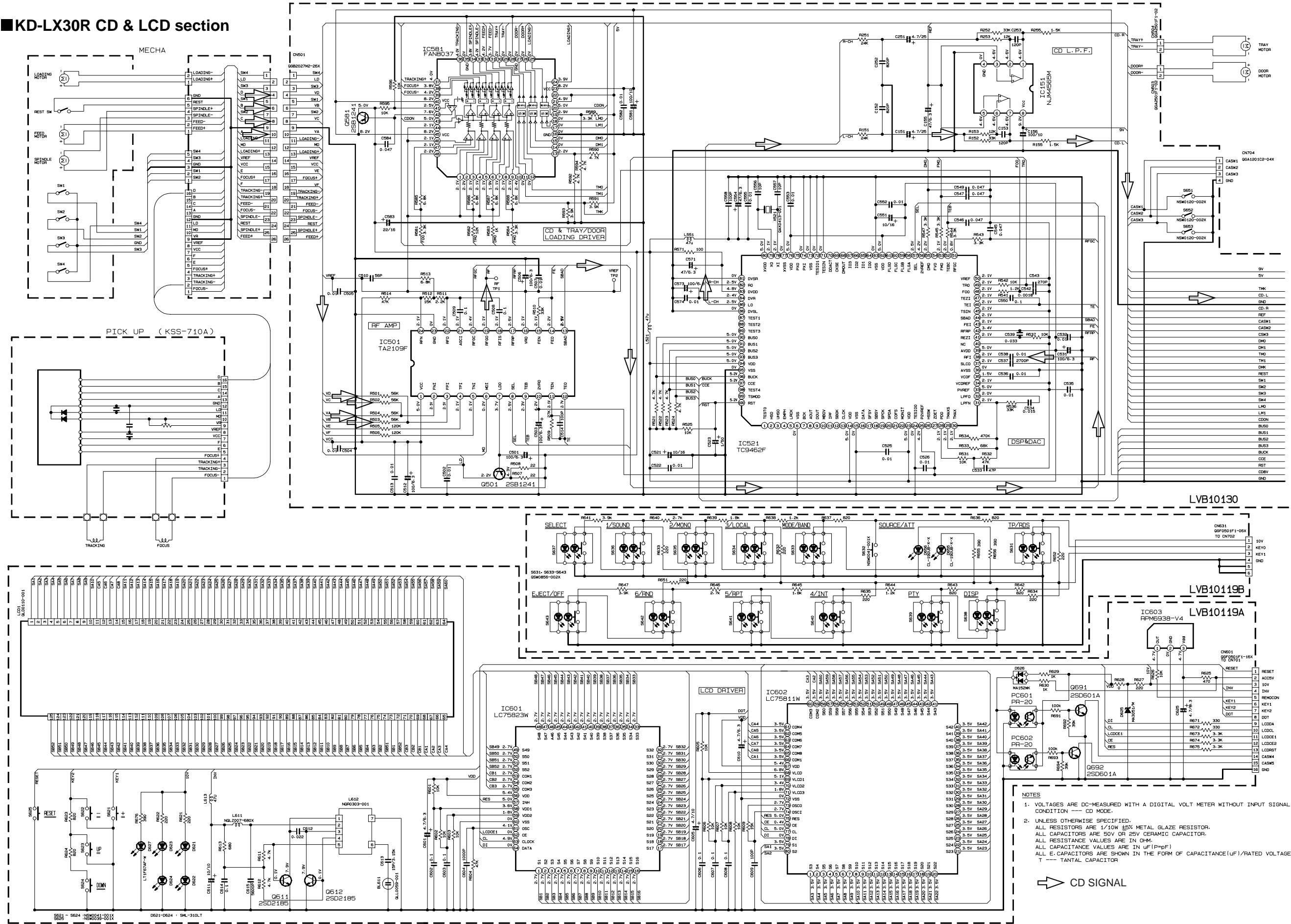
- ▶ TUNER SIGNAL
- ▶ CD SIGNAL
- ▶ CD CHANGER SIGNAL
- ▶ AUX SIGNAL
- ▶ FRONT SIGNAL
- ▶ RIGHT SIGNAL

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

	10K	UN2211
	10K	UN2111



# KD-LX30R CD & LCD section



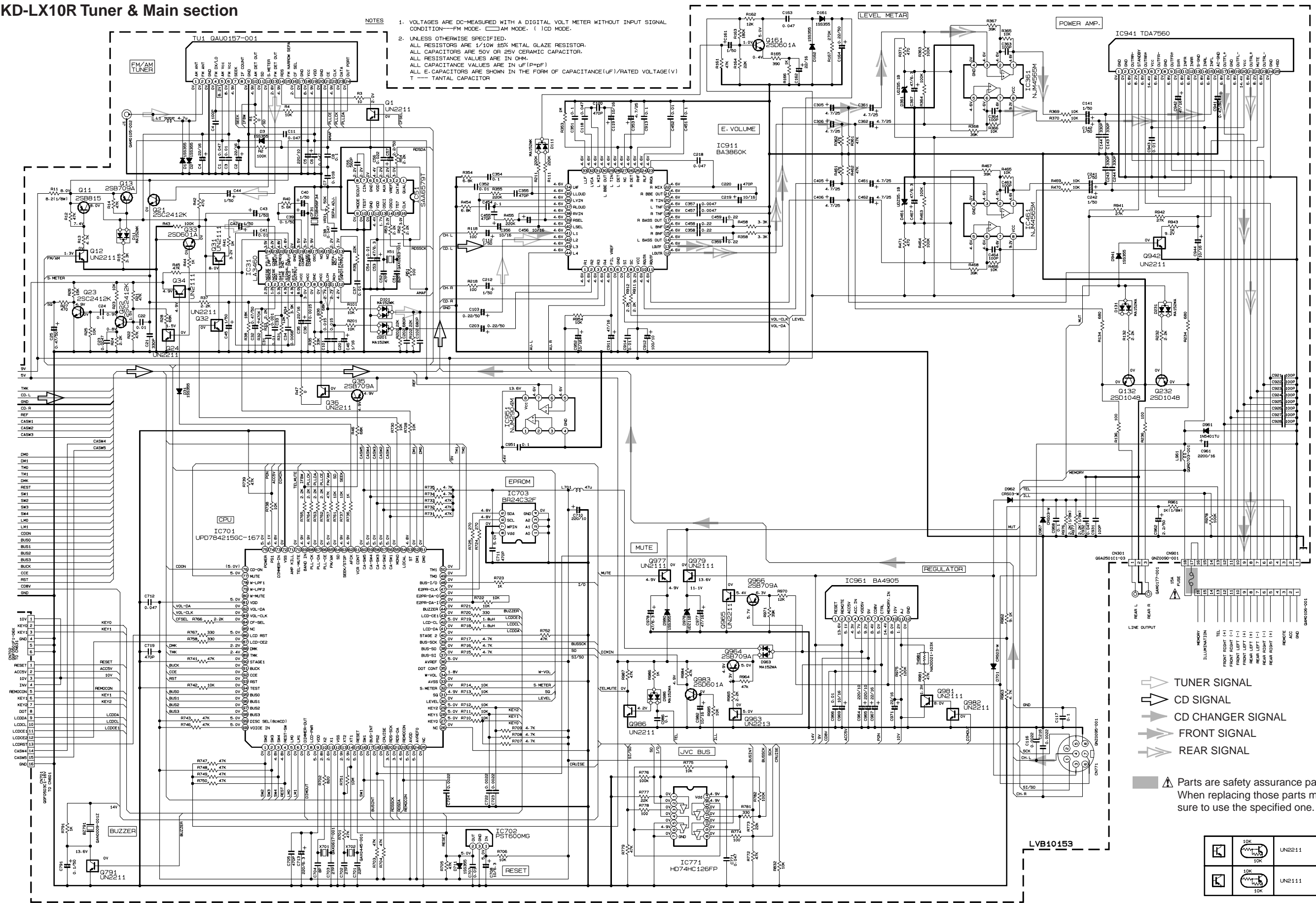
LVB10130

LVB10119B  
LVB10119A

- NOTES**
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION --- CD MODE.
  - UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/10W 15% METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM. ALL CAPACITANCE VALUES ARE IN uF (p=pF) ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V) --- TANTALUM CAPACITOR












# KD-LX10R Tuner & Main section



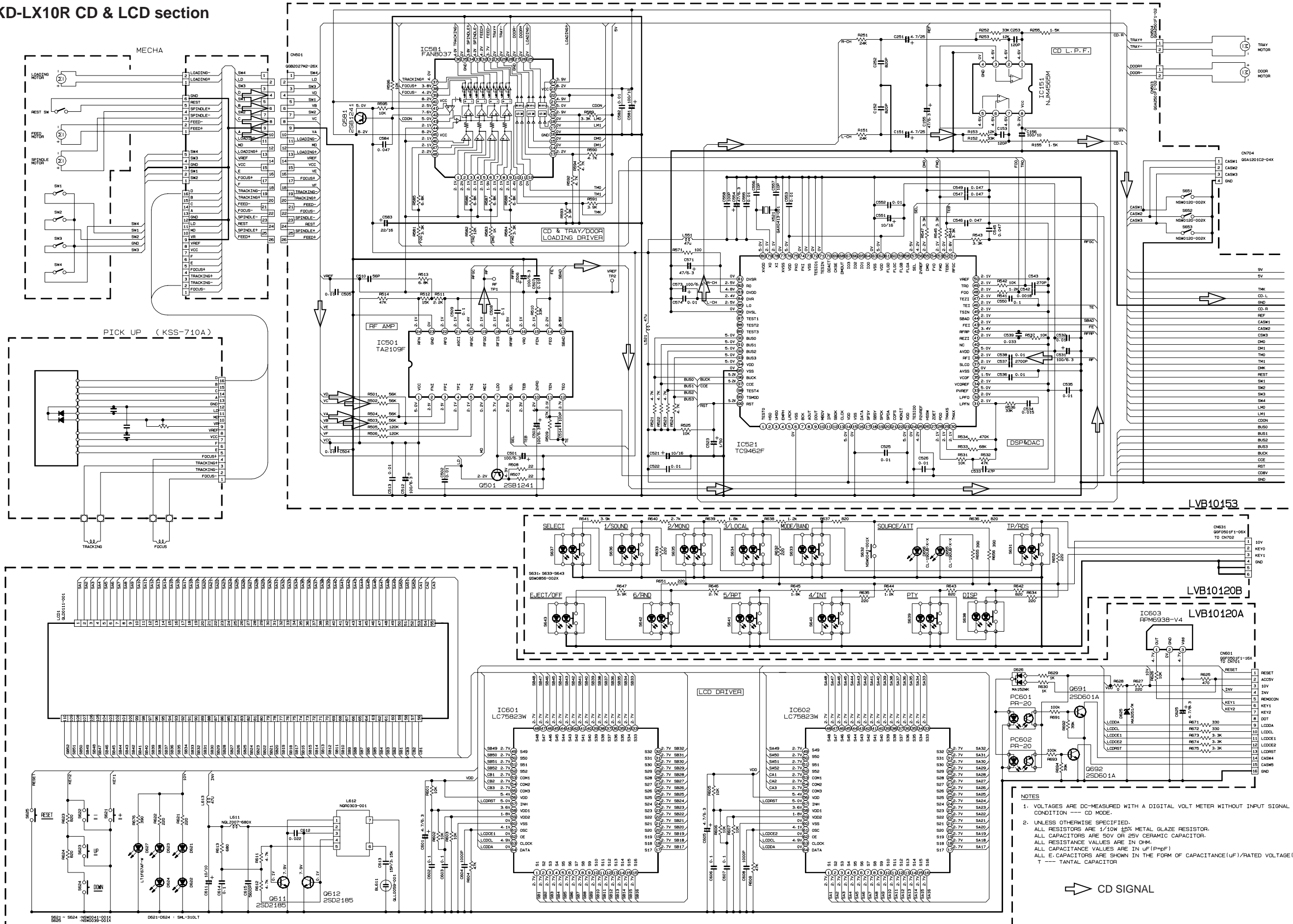
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION—FM MODE. □ AM MODE. ( ) CD MODE.
2. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/10W 45% METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM. ALL CAPACITANCE VALUES ARE IN  $\mu$ F (P=PF). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE ( $\mu$ F)/RATED VOLTAGE (V). T — TANTALUM CAPACITOR.

 TUNER SIGNAL  
 CD SIGNAL  
 CD CHANGER SIGNAL  
 FRONT SIGNAL  
 REAR SIGNAL  
 Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

	10K	UN2211
	10K	UN2111
	10K	UN2111

■KD-LX10R CD & LCD section



NOTES  
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION --- CD MODE.  
 2. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN Ω, kΩ, MΩ. ALL CAPACITANCE VALUES ARE IN pF(nF, μF). ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V) T --- TANTALUM CAPACITOR

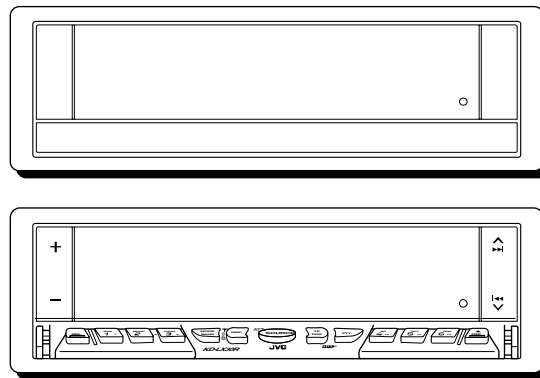
➡ CD SIGNAL

# JVC

# SERVICE MANUAL

## CD RECEIVER

### KD-LX30R KD-LX10R



**Area Suffix**

EX ---- Central Europe



	Line IN	Sub Woofer	Remote controller
<b>KD-LX30R</b>	○	○	○
<b>KD-LX10R</b>	×	×	×

This model is KD-LX30R/KD-LX10R EX that is added to the preceding model, the KD-LX30R/KD-LX10R E. Therefore the service manual for this model is consisting of Parts list only.

For others, please refer to the service manual of KD-LX10R/KD-LX30R E (issue No.49551).

■ Electrical parts list (Main board)

P3-15

Block No.01

△	Item	Parts name	Parts number	
			E Version	EX Version
	IC701	IC	UPD784215GC-167	UPD784215GC-204

■ Accessories parts list

P3-17

Block No.M4MM

△	Item	Parts name	Parts number		Q'ty
			E Version	EX Version	
	A 2	INST.BOOK (LANGUAGE)	LVT0414-001A (SWE,FIN)	-----	1
	A 6	INST.BOOK LX10R (LANGUAGE)	LVT0411-001A (SPA,ITA,SWE,FIN)	-----	1
		INST.BOOK LX30R (LANGUAGE)	LVT0416-001A (SPA,ITA,SWE,FIN)	-----	1



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