

RR1200/SV0200/DR0213 CIRCUIT EXPLANATION

(FCC ID:CVTRR1200H)

RR1200(formed receiver unit)

- 1)The Radio Frequency inputted through The ANT.,is passed to the Super regenerative receiver,formed by TR1,where the Action Signal is detected.
- 2)The Action Signal is decode in the IC.,and are send to each output terminal.
- 3)Right turns
IC.15P is turned on.
- 4)Left turns
IC.16P is turned on.
- 5)Forward motion
IC.14P is turned on.
- 6)Backward motion
IC.13P is turned on.

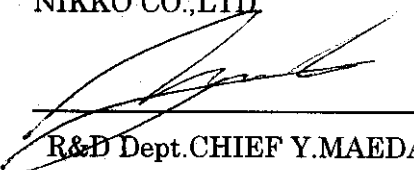
SV0200(formed servo unit)

- 1)Right turns
ST1 is turned on,and TR2,3 and 6 are turned on to make a Right turn.
- 2)Left turns
ST2 is turned on,and TR1,4 and 5 are turned on to make a Left turn.

DR0213(formed motor drive unit)

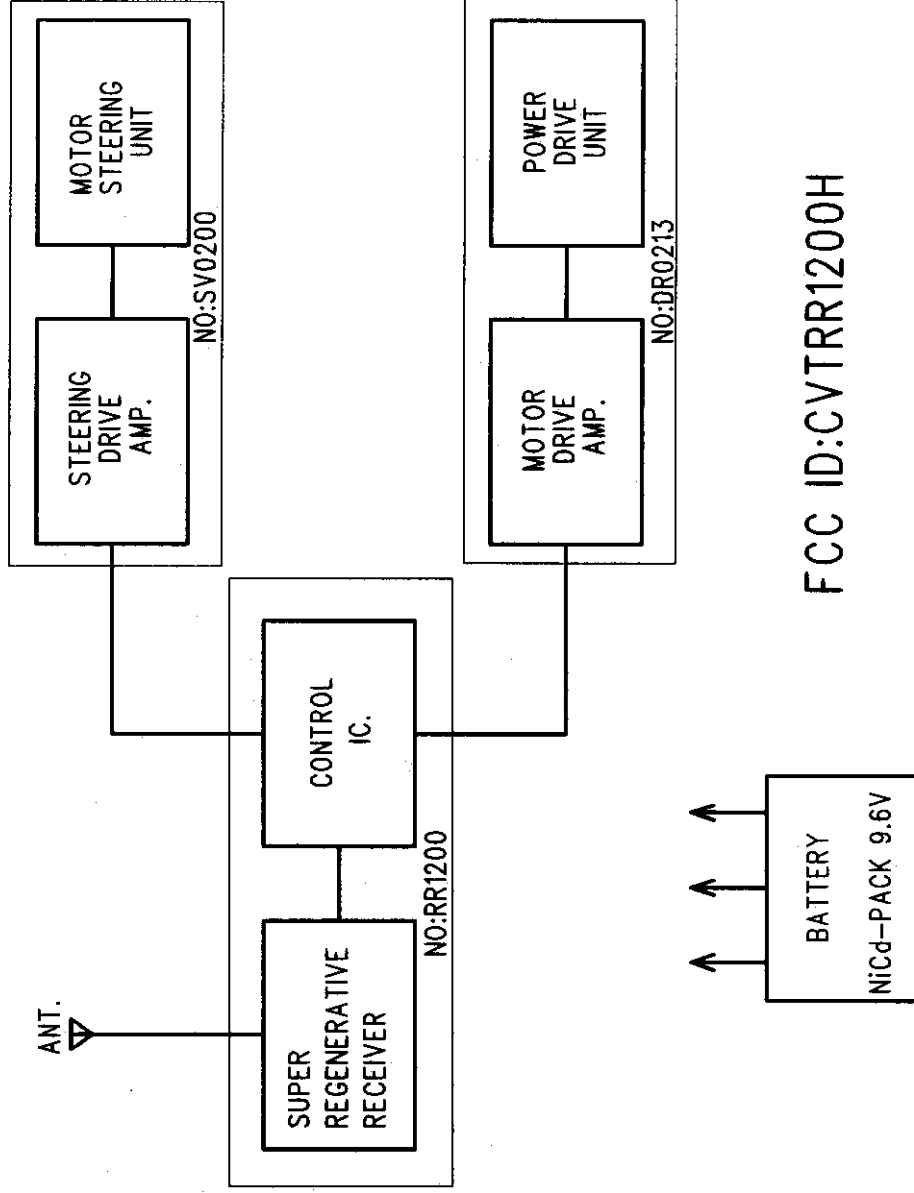
- 1)Forward motion
CON1 2P is turned on,and TR1,3 and 6 are turned on to make Forward motion.
- 2)Backward motion
CON1 5P is turned on,and TR2,4 and 5 are turned on to make Backward motion.

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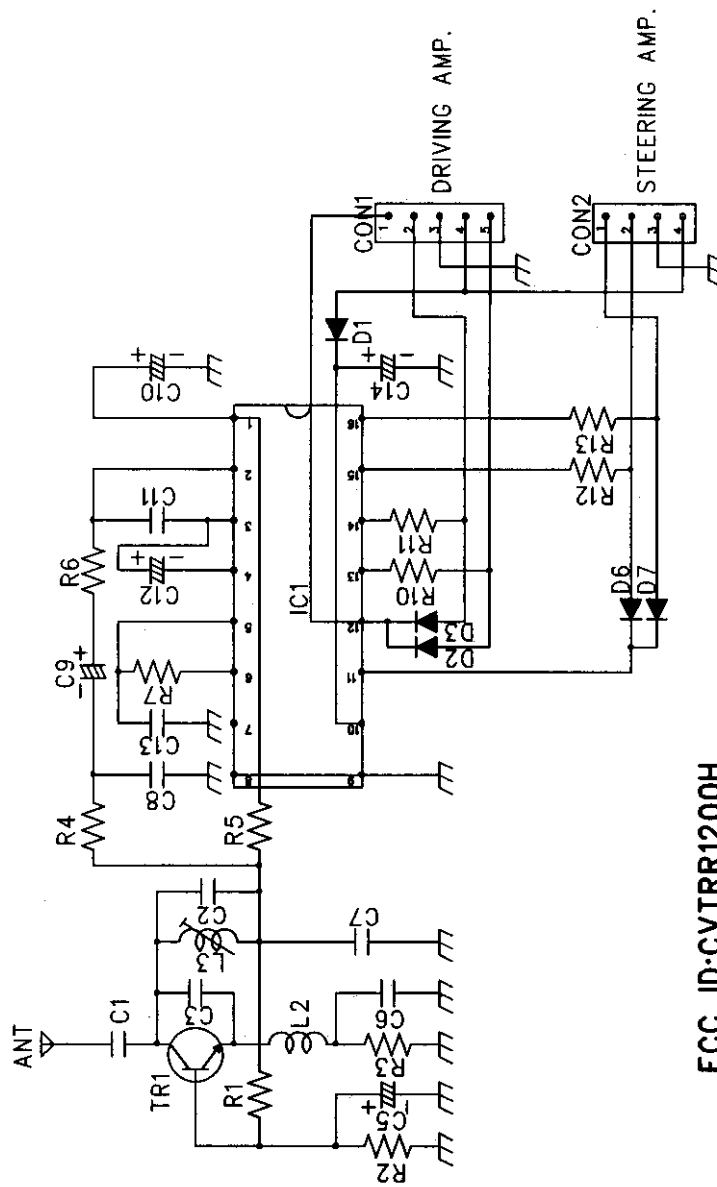


R&D Dept.CHIEF Y.MAEDA

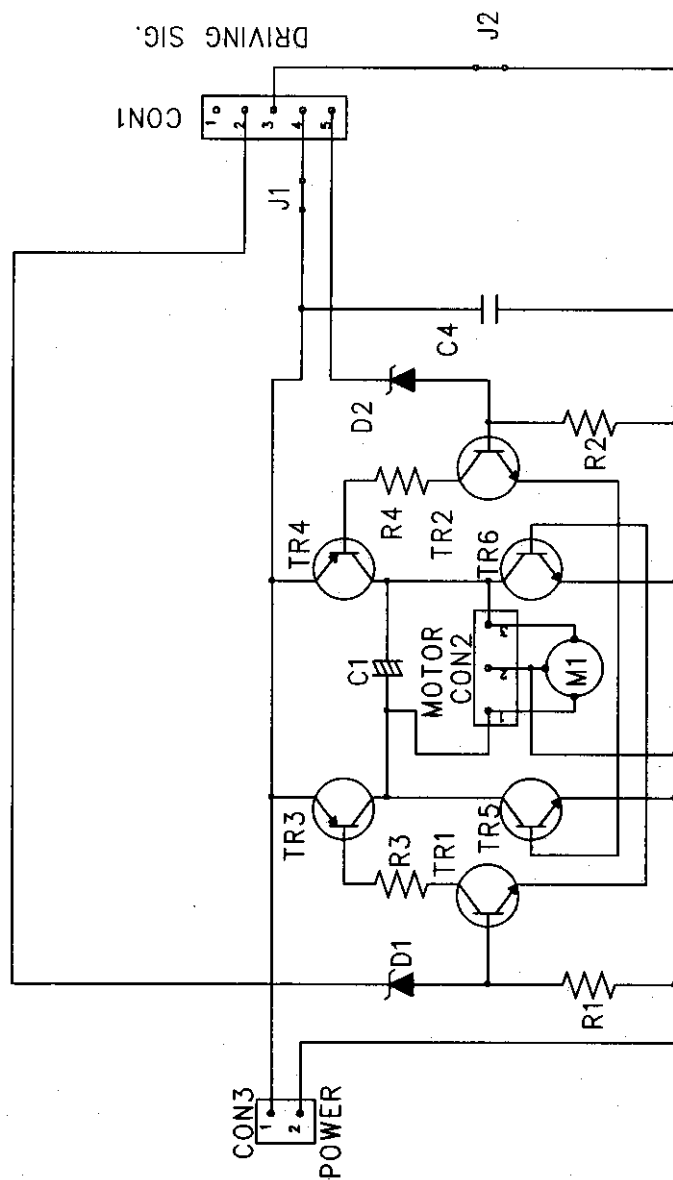
RECEIVER BLOCK DIAGRAM
PCB NO:RR1200 / DR0213 / SV0200



FCC ID:CVTRR1200H



FCC ID:CVTRR1200H
NO.RR1200 CIRCUIT DIAGRAM



NO.DR0213 CIRCUIT DIAGRAM

NO. RR1200 PCB. PARTS LIST

FCC ID: CVTRR1200H

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NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	I. C.	IC1	NR9600	
2	TRANSISTOR	TR1	2SC380-0	
3	DIODE	D1	1SS133 or equivalent	
4		D2	1SS133 or equivalent	
5		D3	1SS133 or equivalent	
6		D6	1SS133 or equivalent	
7		D7	1SS133 or equivalent	
8	RESISTOR	R1	4.7K	
9		R2	8.2K	
10		R3	560	
11		R4	5.6K	
12		R5	2.2K	
13		R6	10K	
14		R7	6.8K ($\pm 1\%$)	
15		R10	2.2K	
16		R11	2.2K	
17		R12	10K	
18		R13	10K	
19	CAPACITOR	C1	10p (C)	
20		C2	5p (C)	
21		C3	33p (C)	
22		C5	4.7 (E)	
23		C6	222 (M)	
24		C7	223 (M)	
25		C8	333 (M)	
26		C9	1 (E)	
27		C10	100 (E)	
28		C11	150p (C)	
29		C12	1 (E)	
30		C13	102J (M)	
31		C14	100 (E)	
32	INDUCTOR	L2	SP 3.3uH	Made in CHINA
33		L3	S 6.5T	
34	EXTRA PARTS	EP1	CON1: Connector 4pin (Pin side)	
35		EP2	CON2: Connector 4pin (Pin side)	
36		EP3	PCB: NO. RR1200	

RESISTOR: No mark=1/6W, $\pm 5\%$ INDUCTOR: 100mA, $\pm 10\%$

CAPACITOR (C): Ceramic, 50WV, +80-20% (T): Tantalum, 35WV, $\pm 10\%$

(M): Mylar, 50WV [No mark=K. rank ($\pm 10\%$), J. rank ($\pm 5\%$)]

(E): Electrolytic, 16WV, $\pm 20\%$ (N): Non pole Electrolytic, 16WV, $\pm 20\%$

NO. DR0213 PCB. PARTS LIST

1/12 class DRIVING AMP. PCB.

1999. 9. 20

NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	TRANSISTOR	TR1	2SD471 or equivalent	
2		TR2	2SD471 or equivalent	
3		TR3	2SA1129 or equivalent	
4		TR4	2SB1129 or equivalent	
5		TR5	2SC2654 or equivalent	
6		TR6	2SC2654 or equivalent	
7	DIODE	D1	0 ohm	
8		D2	0 ohm	
9	RESISTOR	R1	10K	
10		R2	10K	
11		R3	33 (2W)	
12		R4	33 (2W)	
13	CAPACITOR	C1	10 (NP)	
14		C2	-	
15		C3	-	
16		C4	473 (C)	
17	JUMPER	J1	WIRE 40mm	
18		J2	0 ohm	
19	EXTRA PARTS	EP1	-	
20		EP2	CON2:Connector 3pin(Pin side)?	
21		EP3	CON3:Connector 2pin(Pin side)?	
22		EP4	RAD:H-23 x 2	
23		EP5	TP :3*8 (W/SW) x 4	
24		EP6	PCB:NO. DR0213	

RESISTOR:No mark=1/6W, $\pm 5\%$ INDUCTOR:100mA, $\pm 10\%$

CAPACITOR (C):Ceramic, 50WV, +80-20% (T):Tantalum, 35WV, $\pm 10\%$

(M):Mylar, 50WV[No mark=K. rank($\pm 10\%$), J. rank($\pm 5\%$)]

(E):Electrolytic, 16WV, $\pm 20\%$ (N):Non pole Electrolytic, 16WV, $\pm 20\%$

NO. SV0200. type PCB. PARTS LIST

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NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	TRANSISTOR	TR1	2SC945Q or equivalent	
2		TR2	2SC945Q or equivalent	
3		TR3	KTA1273 or equivalent	
4		TR4	KTA1273 or equivalent	
5		TR5	KTC3205 or equivalent	
6		TR6	KTC3205 or equivalent	
7	RESISTOR	R1	470	
8		R2	470	
9		R3	10K	
10		R4	10K	
11	CAPACITOR	C1	473 (C)	
12		C2	473 (C)	
13		C3	473 (C)	
14	JUMPER	J1	0 ohm	
15		J2	0 ohm	
16	EXTRA PARTS	EPT	PCB: NO. SV0200	

RESISTOR: No mark=1/6W, $\pm 5\%$ INDUCTOR: 100mA, $\pm 10\%$

CAPACITOR (C): Ceramic, 50WV, +80-20% (T): Tantalum, 35WV, $\pm 10\%$

(M): Mylar, 50WV [No mark=K. rank ($\pm 10\%$), J. rank ($\pm 5\%$)]

(E): Electrolytic, 16WV, $\pm 20\%$ (N): Non pole Electrolytic, 16WV, $\pm 20\%$