

RR1210/SV0200/DR0210R CIRCUIT EXPLANATION

(FCC ID:CVTRR1210H)

RR1210(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.6P is turned on.
- 4)Left turns
IC.7P is turned on.
- 5)Forward motion
IC.11P is turned on.
- 6)Backward motion
IC.10P is turned on.

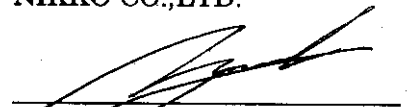
SV0200(formed servo unit)

- 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.

DR0210R(formed motor drive unit)

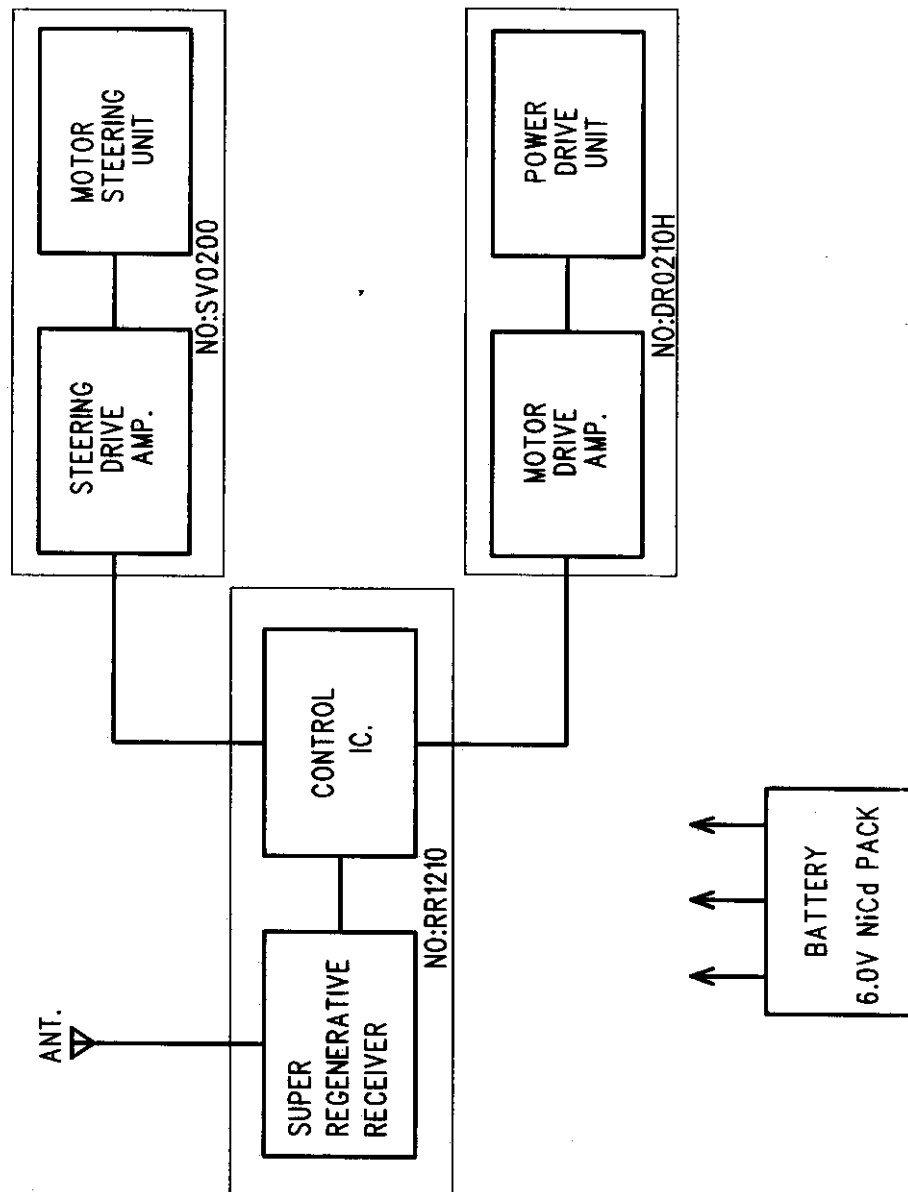
- 1)Forward motion
CON1 2P is turned on,and TR1,3 and 6 are turned on to make Forward motion.
- 2)Backward motion
CON1 5P is turned on,and TR2,4 and 5 are turned on to make Backward motion.

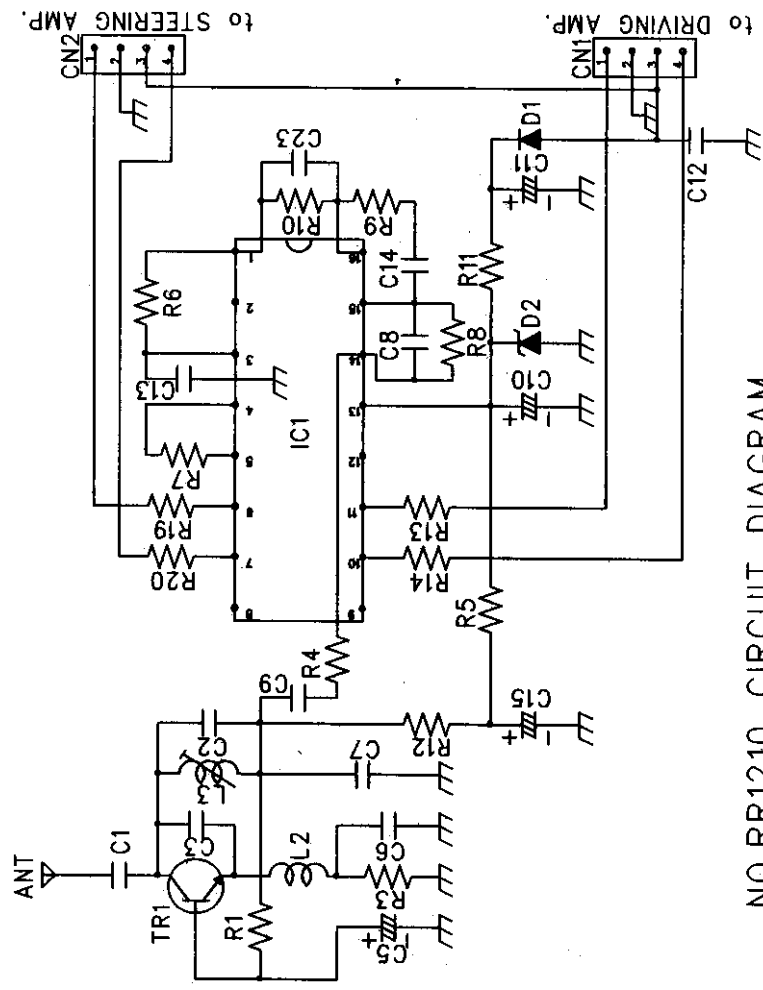
NIKKO CO.,LTD.


R&D Dept.CHIEF Y.MAEDA

FCC ID : CVTRR1210H

RECEIVER BLOCK DIAGRAM
PCB NO:RR1210 / DR0210R / SV0200





NO.RR1210 CIRCUIT DIAGRAM

FCC ID : CVTRR1210H

NO. RR1210 PCB. PARTS LIST

FCC ID : CVTRR1210H

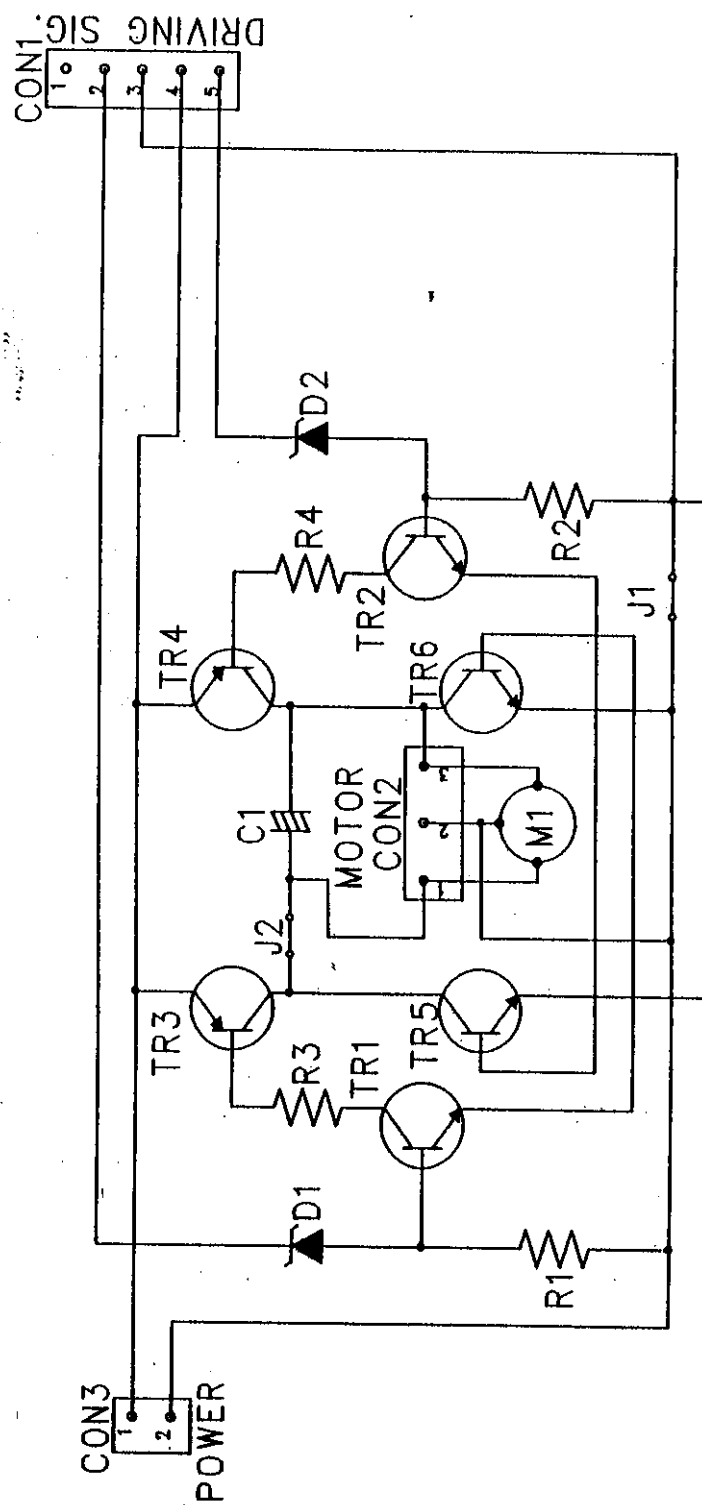
NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	I. C.	IC1	PT8A978P	
2	TRANSISTOR	TR1	2SC380-0	
3	DIODE	D1	1SS133 or equivalent	
4		D2	VZ 3.3V	
5		D3	-	
6		D6	-	
7		D7	-	
8	RESISTOR	R1	150K	
9		R2	-	
10		R3	470	
11		R4	1K	
12		R5	330	
13		R6	2.2K	
14		R7	120K	
15		R 8	2.2M	
16		R 9	1K	
17		R10	2.2M	
18		R11	100 (1/4W)	
19		R12	2.2K	
20		R13	1K	
21		R14	1K	
22		R19	1K	
23		R20	1K	
24	CAPACITOR	C1	10p (C)	
25		C2	5p (C)	
26		C3	33p (C)	
27		C5	4.7 (E)	
28		C6	222 (M)	
29		C7	103 (M)	
30		C8	501 (M)	
31		C9	103 (M)	
32		C10	220 (E)	
33		C11	100 (E)	
34		C12	104 (C)	
35		C13	103 (M)	
36		C14	103 (M)	
37		C15	100 (E)	
38		C23	33p (C)	
39	INDUCTOR	L2	SP 3.3uH	
40		L3	S6.5T	
41	EXTRA PARTS	EP1	CON1: Connector 4pin (Pin side)	
42		EP2	CON2: Connector 4pin (Pin side)	
43		EP3	PCB: NO. RR1210	

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.DR0210R CIRCUIT DIAGRAM

FCC ID: CVT R21210H

NO. DR0210R PCB. PARTS LIST

FCC ID: CXTBR210H

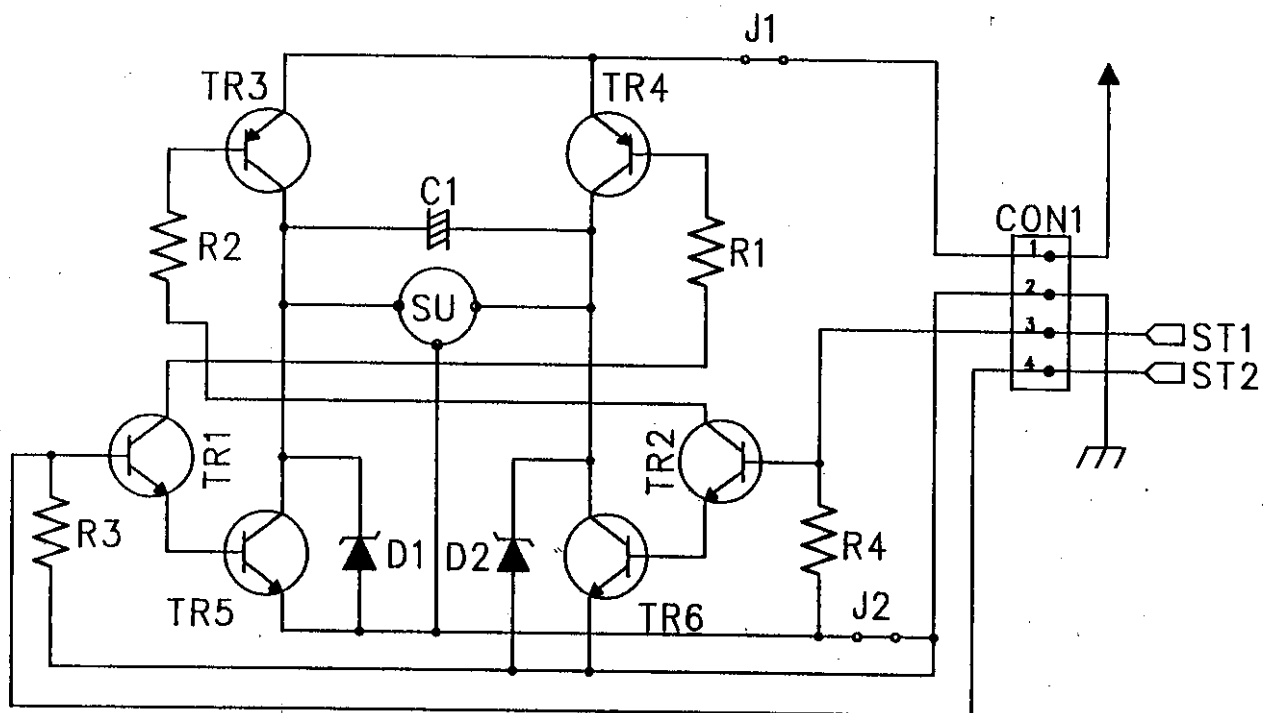
NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	TRANSISTOR	TR1	2SC945Q or equivalent	
2		TR2	2SC945Q or equivalent	
3		TR3	2SB772Q or equivalent	
4		TR4	2SB772Q or equivalent	
5		TR5	2SD882Q or equivalent	
6		TR6	2SD882Q or equivalent	
7	DIODE	D1	0 ohm	
8		D2	0 ohm	
9	RESISTOR	R1	10K	
10		R2	10K	
11		R3	47(1/2W)	
12		R4	47(1/2W)	
13	JUMPER	J1	0 ohm	
14		J2	0 ohm	
15	EXTRA PARTS	EP1	CON1: Connector 5pin	
16		EP2	CON2: Connector 3pin(Pin side)	
17		EP3	CON3: Connector 2pin(Pin side)	
18		EP4	RADIATOR: H-7 x 2	
19		EP5	TAPPING: 3*8B (With spring washer) x4	
20		EP6	PCB: NO. DR0210	

RESISTOR: No mark=1/8W, $\pm 5\%$ 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

FCCID: CVT RR 1210H

NO. SV0200 PCB. LIST

FCC ID: CVTRR1210H

NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	TRANSISTOR	TR1	2S0945Q or equivalent	
2		TR2	2S0945Q or equivalent	
3		TR3	2SA564 or equivalent	
4		TR4	2SA564 or equivalent	
5		TR5	2SD471 or equivalent	
6		TR6	2SD471 or equivalent	
7	DIODE	D1	-	
8		D2	-	
9	RESISTOR	R1	470	
10		R2	470	
11		R3	10K	
12		R4	10K	
13	CAPACITOR	C1	473 (C)	
14	JUMPER	J1	0 ohm	
15		J2	0 ohm	
16	EXTRA PARTS	EP1	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, $\pm 20\%$