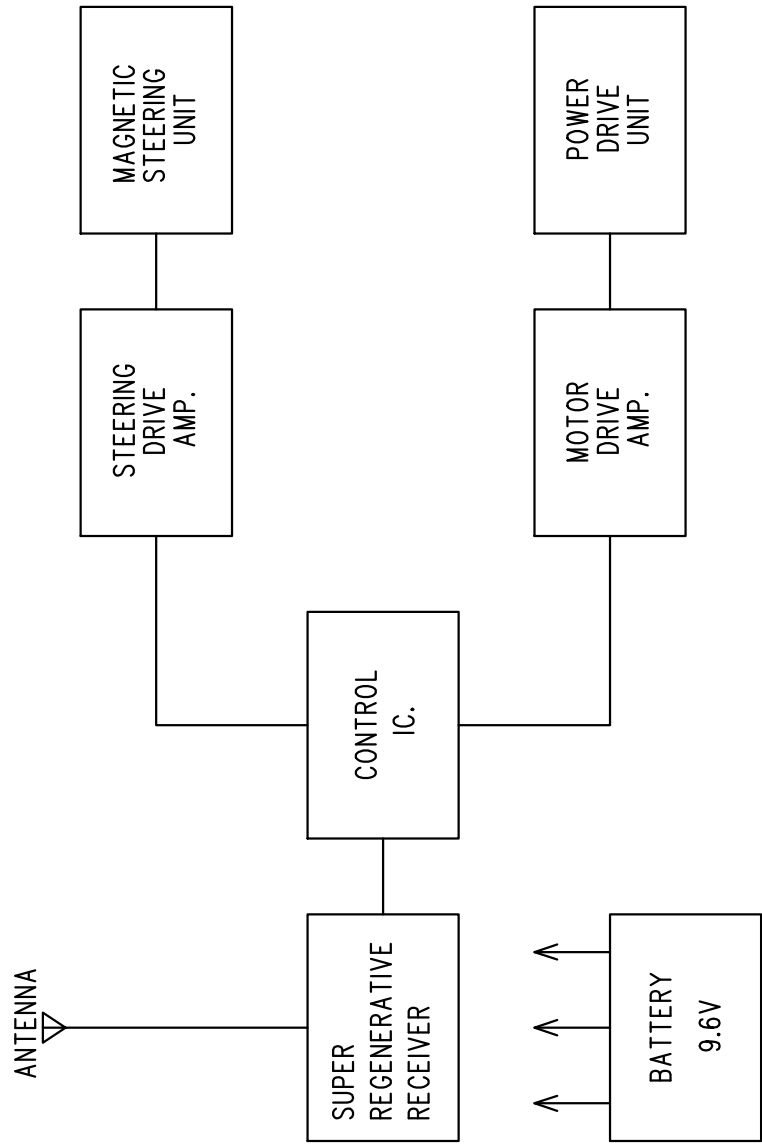
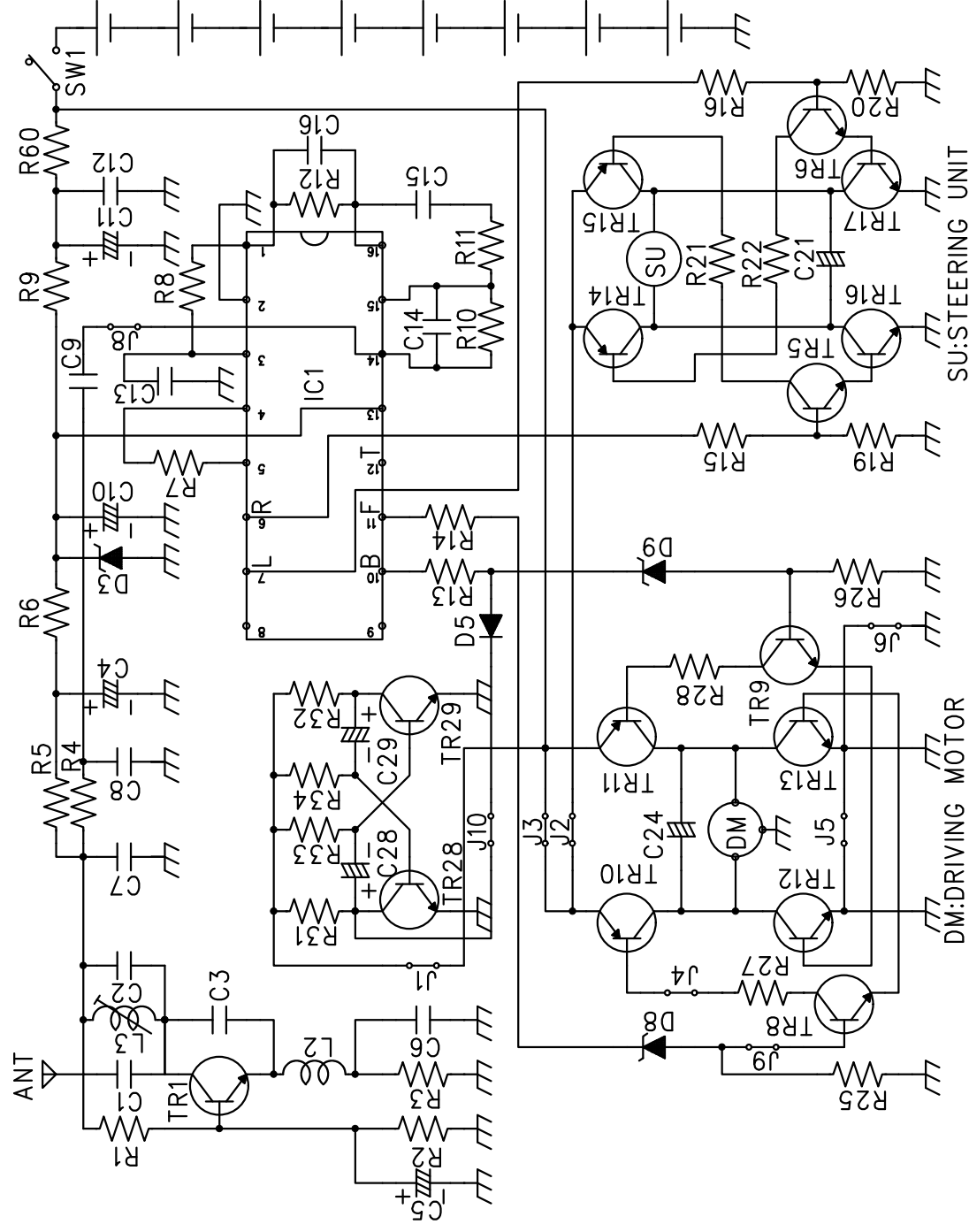


NO.RP6400 CIRCUIT EXPLANATION

- 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)TR8,9,10,11,12 and 13 form the power motor drive control circuit.
TR5,6,14,15,16 and 17 form the steering control circuit.
TR28 and 29 form the pulse control circuit.
- 4)Forward motion
IC.11P(Pin) is turned Hi,and TR8,10 and 13 are turned on to make a Forward drive.
- 5)Backward motion
IC.10P is turned Hi,and TR9,11 and 12 are turned on by pulse drive circuit to make a backward switching drive.
- 6)Right turns
IC.6P is turned Hi,and TR5,15 and16 are turned on to make a Right turn.
- 7)Left turns
IC.7P is turned Hi,and TR6,14 and 17 are turned on to make a Left turn.

PCB:NO.RP6400 RECEIVER BLOCK DIAGRAM





NO.RP6400 CIRCUIT DIAGRAM

2000.8.21 NIKKO MM.

NO.RP6400 PCB.PARTS LIST

2000.8.22

NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	I.C.	IC1	PT8A978P	PERICOM
2	TRANSISTOR	TR1	2SC380-0	
3		TR5	2SC945Q or equivalent	
4		TR6	2SC945Q or equivalent	
5		TR8	2SC945Q or equivalent	
6		TR9	2SC945Q or equivalent	
7		TR10	2SA1640 or equivalent	
8		TR11	2SB772Q or equivalent	
9		TR12	2SD882Q or equivalent	
10		TR13	2SC4305 or equivalent	
11		TR14	KTA1273 or equivalent	
12		TR15	KTA1273 or equivalent	
13		TR16	KTC3205 or equivalent	
14		TR17	KTC3205 or equivalent	
15		TR28	2SC945Q or equivalent	
16		TR29	2SC945Q or equivalent	
17	DIODE	D 1	1SS133 or equivalent	
18		D 3	3.3V(ZENER)	
19		D 5	1SS133 or equivalent	
20		D 8	0 ohm	
21		D 9	0 ohm	
22	RESISTOR	R1	150K	
23		R3	470	
24		R4	2.2K	
25		R5	2.2K	
26		R6	330	
27		R7	120K	
28		R8	2.2K	
29		R9	220	
30		R10	2.2M	
31		R11	2.2K	
32		R12	2.2M	
33		R13	1K	
34		R14	1K	
35		R15	1K	
36		R16	1K	
37		R19	10K	
38		R20	10K	
39		R21	100	
40		R22	100	
41		R25	10K	
42		R26	10K	
43		R27	33(2W)	
44		R28	56(1/2W)	
45		R31	1K	
46		R32	1K	
47		R34	15K	
48		R34	22K	
49	CAPACITOR	C 1	10p(C)	
50		C 2	5p(C)	
51		C 3	33p(C)	
52		C 4	100(E)	
53		C 5	4.7(E)	
54		C 6	222(M)	
55		C 7	103(M)	
56		C 9	103(M)	
57		C10	100(E)	
58		C11	100(E)	
59		C12	104(C)	
60		C13	103(M)	
61		C14	501(M)	
62		C15	103(M)	
63		C16	33p(C)	
64		C21	223(C)	
65		C24	223(C)	
66		C28	104(M or T)	
67		C29	104(M or T)	
68	INDUCTOR	L 2	SP 3.3uH	
69		L 3	6.5T	
70	JUMPER	J 1	0 ohm	
71		J 2	0 ohm	
72		J 3	WIRE:60mm	
73		J 4	WIRE:20mm	
74		J 5	WIRE:60mm	
75		J 7	0 ohm	
76		J 8	WIRE:40mm	
77		J 9	WIRE:40mm	
78		J10	0 ohm	
79	EXTRA PARTS	EP 1	RADIATOR:H-20 x 2	
80		EP 2	TAPPING:3*8B(with spring washer) x 2	
81		EP 3	TAPPING:3*10B(with spring washer) x 2	
82		EP 4	WASHER:D8 x d3.2 x t0.5mm	
83		EP 5	PCB:NO.RP6400	

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

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

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

(E):Electrolytic,16WV, ± 20% (N):Non pole Electrolytic,16WV, ± 20%