Car Stereo Cassette Player TA11A

Service
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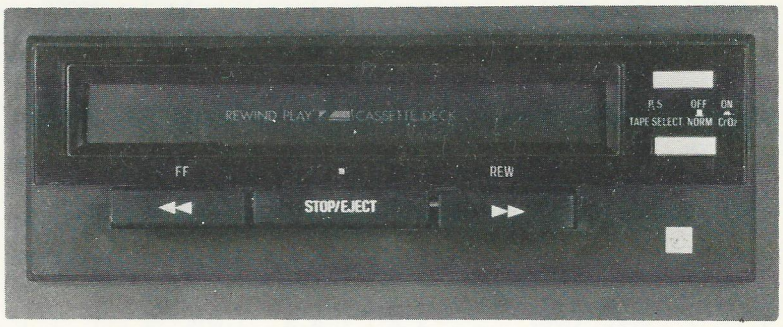

Service Manual

PRODUCED FOR THE FORD MOTOR COMPANY OF AUSTRALIA LTD.
FOR FITMENT TO FORD LASER
FORD PART No. AB 003-66-870-AA

12 V

SPECIFICATIONS

NUMBER OF TRACKS	4 tracks 2 channels
TAPE CARTRIDGE	Stereo/Monaural Compact Cassette
TAPE SPEED	4.76 cm/sec.
SPEAKER IMPEDANCE	4 ohms
POWER SUPPLY	12 volts. Negative to earth
CURRENT	0.15 amps (normal) 2.5 amps (at solenoid action)
SEMICONDUCTORS	3 I.C.s 6 Transistors 2 Diodes

Subject to modification
4802 725 17083

PHILIPS

SCHEMATIC

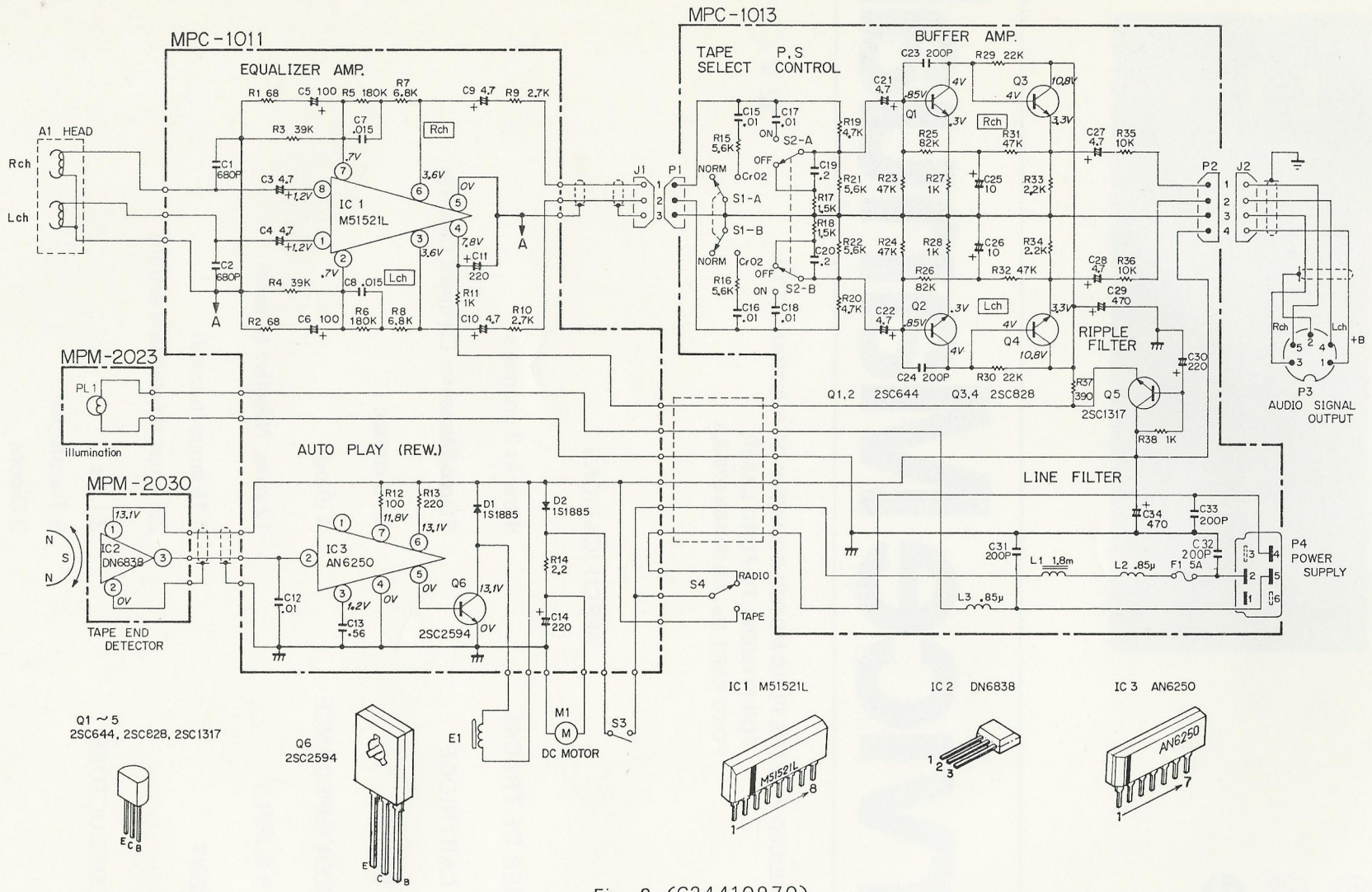

Fig. 2 (C24410970)

NOTES :
1. All capacitance in μF, P=$\mu\mu$F
2. All resistance in ohms, K=10^3
3. All inductance in henry, m=10^{-3}, μ=10^{-6}
4. DC voltage against the chassis measured with 100k ohms/volt meter, power supply set at +13.2 VDC, no signal input.

REPLACEMENT PARTS LIST

Ref. No.	Description	Service Code		
Semiconductors				
IC1	M5152IL	4802	209	87107
IC2	DN6838	4802	209	87209
IC3	AN6250	4802	209	87185
Q1, 2	2SC644RS	4822	130	41001
Q3, 4	2SC828-QR	4822	130	44257
Q5	2SC1317-QR	4802	130	47332
Q6	2SC2594	4802	130	47433
D1, D2	1S1885	4802	130	37036
Miscellaneous Electrical				
A1	Playback Head + P.C. Board	4802	249	37018
F1	Fuse. 5 amps	4802	253	47011
J2-P3	Wiring Assy.	4802	321	27236
M1	Motor	4802	361	27106
Miscellaneous Mechanical				
4	Button. Stop/Eject	4802	410	27482
5	Button. FF	4802	410	27483
6	Button. Rew.	4802	410	27484
7	Button. S1. S2	4802	410	27485
8	Escutcheon (includes Flap, Shaft, Spring, Lamp and PC Board)	4802	459	57097

Ref. No.	Description	Service Code		
Cassette Deck				
3	Spring	4802	492	67398
6	Pinchroller Assy.	4802	404	37169
7	Spring	4802	492	47129
8	Spring	4802	492	37495
22	Spring	4802	492	37496
23	Spring	4802	492	37497
25	Slip Mechanism	4802	528	87274
26	Slip Mechanism	4802	528	87275
27	Spring	4802	492	37498
28-29	Spring	4802	492	37499
31	Roller	4802	528	87217
32	Spring	4802	492	37501
36	Roller	4802	528	87276
38	Spring	4802	492	37502
39	Belt	4802	358	37113
40	Roller	4802	528	17276
42	Flywheel	4802	528	67105
51	Spring	4802	492	37503
52	Spring	4802	492	37504
55	Solenoid	4802	281	57031
58	Spring	4802	492	37505
59	Belt	4802	358	37114
62	Roller	4802	528	87216
63	Spring	4802	492	47131
64	Spring	4802	492	47132
65	Spring	4802	492	37393
75	Switch. Micro.	4802	271	37041
76	Cassette Loading Mech. (R)	4802	402	27039
77	Cassette Loading Mech. (L)	4802	402	27041

EXPLODED VIEW (cassette deck)

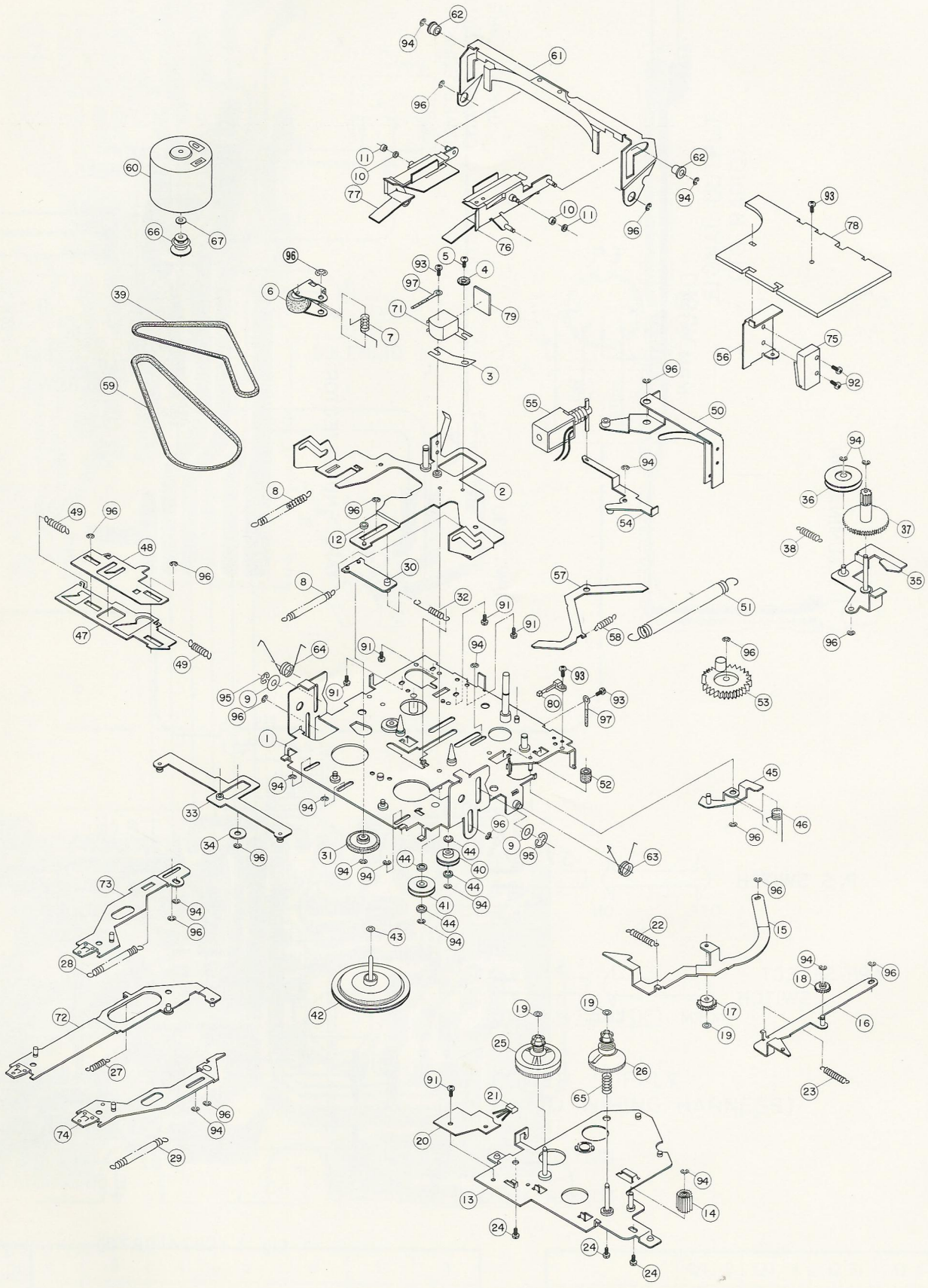

Fig. 4 (C28410970)

WIRING ON PC BOARDS

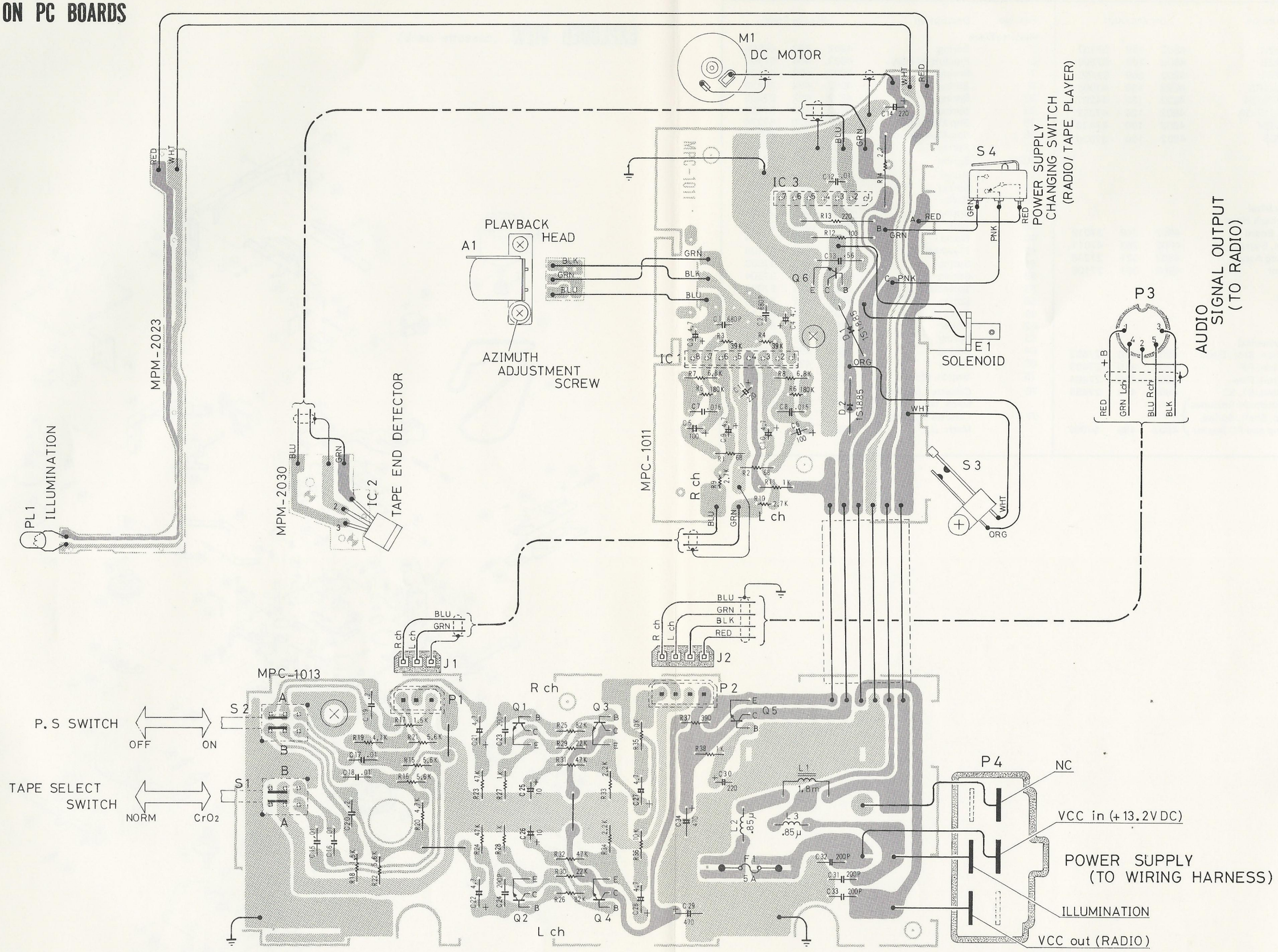

Fig. 1 (C27410970)

NOTE: Ground pattern of PC board marked as ▨ in the above figure is connected to chassis. The ground pattern marked as ▒ is connected to that of Full control receiver (AT-2349-1), so it is insulated from the chassis.

IC \ Pin No.	1	2	3	4	5	6	7	8
IC 1	1.2V	0.7V	3.6V	7.8V	0V	3.6V	0.7V	1.2V
IC 2	13.1V	0V	—					
IC 3	—	—	1.2V	0V	0V	13.1V	11.8V	

	Q1, 2	Q3, 4	Q 5	Q 6
Emitter	0.3V	3.3V	—	0V
Base	0.85V	4V	—	0V
Collhctor	4V	10.8V	—	13.1V