

# Service

## notes

### MODEL GF 380 "NEWPORT"

### SPECIFICATIONS

A.C. Supply .....	240V. 50 Hz.
A.C. Current (Total) .....	24mA A.C. (Motor On)
.....	22mA A.C. (Motor Off)
Record Player .....	GC010
D.C. Motor Current .....	32mA D.C. (No Load)
Pick-Up Head .....	GP300 (Crystal)
Replacement Needles .....	946/DS51 Diamond / Sapphire
.....	946/SS50 Sapphire / Sapphire
Amplifier Module .....	UA412

### ELECTRICAL PARTS LIST

RESISTORS				CAPACITORS				Replacement																
R. No.	Description	W.	Tol±%	Type or Code No.	C.No.	Description	V.W.	Tol±%	Type or Code No.															
101	33K Carbon	½	10	B8.305.05A/33K	101	IM Electrolytic	40	-10+50	C.426.AR/GI															
102	560K Carbon	½	5	B8.305.05B/560K	102	200M Electrolytic	10	-10+50	C.426.AR/D200															
103	820E Carbon	½	10	B8.305.05A/820E	103	200M Electrolytic	10	-10+50	C.426.AR/D200															
104	18E Carbon	½	10	B8.305.05A/18E	105	200m Electrolytic	10	-10+50	C.426.AR/D200															
105	3K9 Carbon	½	10	B8.305.05A/3K9	106	125M Electrolytic	16	-10+50	C.426.AR/E125															
106	390E Carbon	½	10	B8.305.05A/390E	201	640M Electrolytic	16	-10+50	C.437.AR/E640															
107	50E NTC Disc	½	10	E201.BC/A50E	202	640M Electrolytic	16	-10+50	C.437.AR/E640															
108	220E Carbon preset	¼	20	E086.AC/220E	203	100K Polyester	160	10	C.296.AA/A100K															
109	IE Carbon	½	10	B8.305.05A/IE	204	22K Polyester	160	10	C.296.AA/A22K															
110	IE Carbon	½	10	B8.305.05A/IE	205	1K5 Polyester	400	10	C.296.AC/AIK5															
111	820E Carbon	½	10	B8.305.05A/820E	<table border="1"> <thead> <tr> <th colspan="3">INDUCTORS</th> </tr> <tr> <th>L. No.</th> <th>Description</th> <th>Code No.</th> </tr> </thead> <tbody> <tr> <td>L201</td> <td>Speaker 5" (Rola C5G/51/8)</td> <td>CZ.161.035</td> </tr> <tr> <td>T201</td> <td>Power transformer</td> <td>CZ.344.153</td> </tr> <tr> <td>L301</td> <td>450 uH Coil</td> <td>4822.157.50013</td> </tr> </tbody> </table>					INDUCTORS			L. No.	Description	Code No.	L201	Speaker 5" (Rola C5G/51/8)	CZ.161.035	T201	Power transformer	CZ.344.153	L301	450 uH Coil	4822.157.50013
INDUCTORS																								
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L201	Speaker 5" (Rola C5G/51/8)	CZ.161.035																						
T201	Power transformer	CZ.344.153																						
L301	450 uH Coil	4822.157.50013																						
201	6E8 Carbon	½	10	B8.305.05A/6E8																				
202	2K2 Carbon	½	10	B8.305.05A/2K2																				
203	47K Carbon	½	10	B8.305.05A/47K																				
204	560K Carbon	½	10	B8.305.05A/560K																				
205	100K Carbon pot. taper 'C' (Tone)			CZ.034.173																				
206	50K Carbon pot. taper 'C' (Volume) with SPST switch			CZ.032.063																				
301	100E Preset (Speed control)			4822.101.10013																				
302	330E Carbon	¼	5	B8.305.00B/330E																				
303	22K Carbon	¼	5	B8.305.00B/22K																				
304	1K2 Carbon	¼	5	B8.305.00B/1K2																				
305	820E Carbon	¼	5	B8.305.00B/820E																				

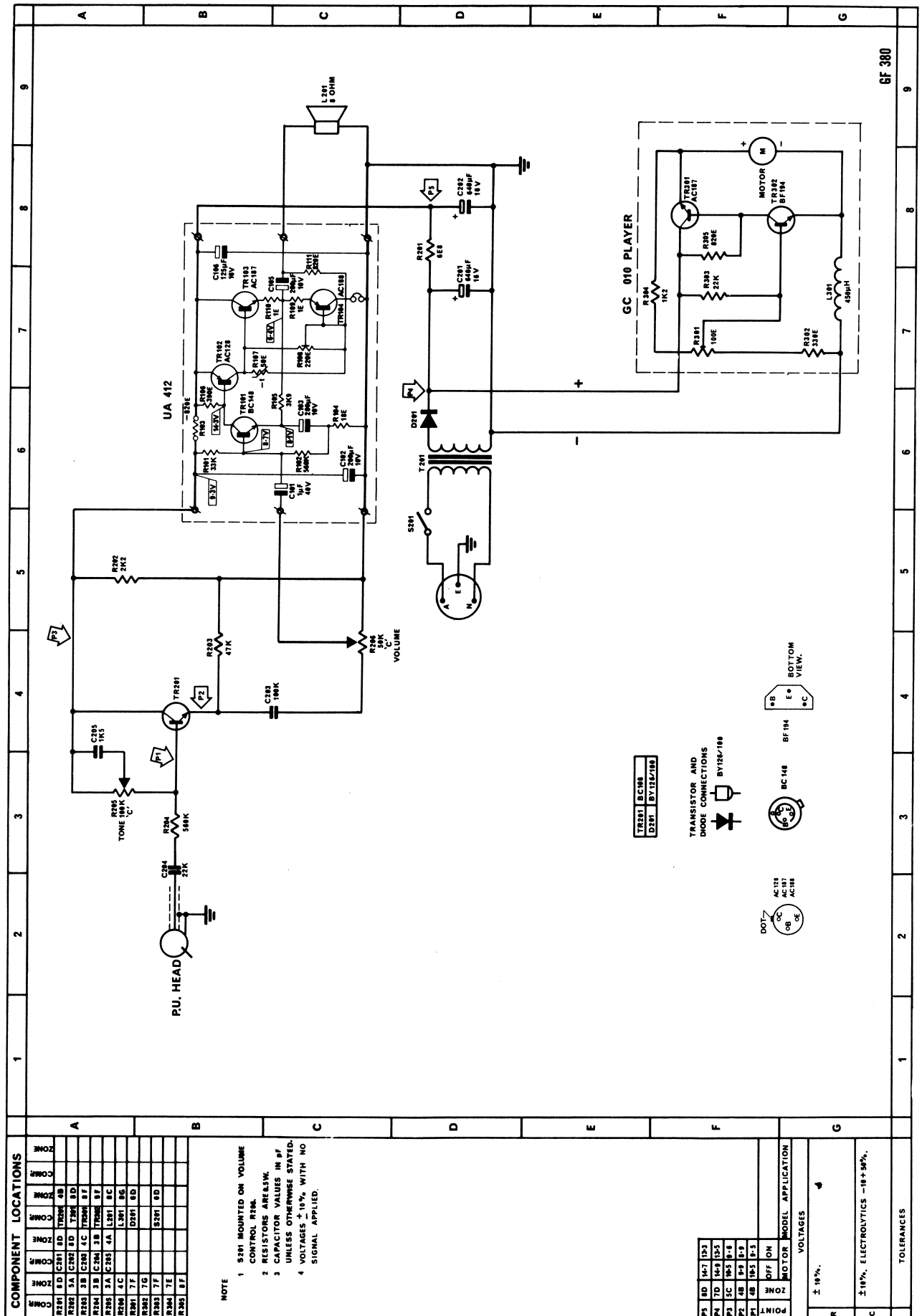
ACCESS FOR SERVICE. Disconnect from the A.C. mains supply. Remove the 7 screws which secure the motor-board assembly in position and which are situated in the trim around the lower half of the case. The complete assembly may then be lifted clear of the case.

To service, or replace, the audio amplifier module, remove the screw securing the module heatsink to the power supply sub-chassis and release the module P.W. board from its mounting clips. The module may then be rotated on its wiring to provide access to the printed wiring.

OUTPUT TRANSISTOR ADJUSTMENT. The quiescent current in the complementary pair of output transistors can be adjusted by means of R108 and measured via the metering points provided. Under no signal conditions, the current should be adjusted in accordance with the following table:-

Ambient Temp. (°F)	60	70	80	90	100	110
TR103/104 Current (mA)	3.6	.1	4.6	5.3	6.3	8.1

MOTOR SPEED CONTROL. The speed of the motor seldom requires re-adjustment, but may, if necessary, be reset by means of R301 on the player unit.



### MECHANICAL PARTS LIST

Description	Code No.	Description	Code No.
Trim panel (Function, etc.)	CS.436.627	Case assembly, complete (Black)	CR.572.703
Knob, function, assembly 2x	CR.524.548	(Red)	CR.572.704
Power cord assembly	CZ.360.571	Foot (For vertical standing) 4x	CS.240.050
Clamp, power cord	CH.777.079	Spacer, for above 4x	CS.284.114
Module mounting clip 2x	CS.233.833	Grille assembly	CR.520.911