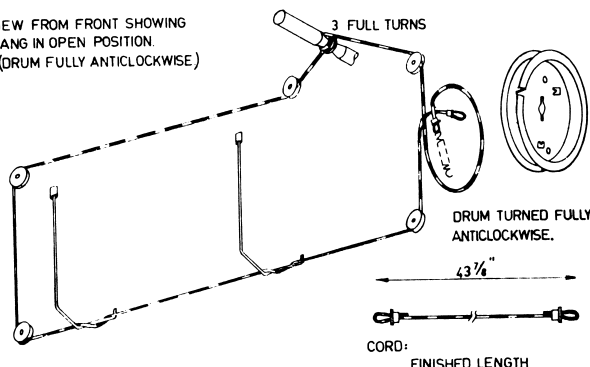


MECHANICAL PARTS LIST

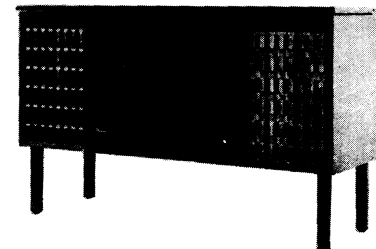
Description	Code No.
Cover on tape socket	CR.572.314
Dial cord (50" required)	965/JB1
Dial cord spring	CS.200.086
Dial cursor assy.	CR.480.698
Dial drum	CS.359.820
Clip for dial drum	CH.777.371 or CH.629.240
Dial escutcheon	CS.430.196
Dial scale	CS.412.043
Dial scale support block, 2x	CS.219.166
Knob—control, 5x	CR.523.599
Lampholder, 3x	A3.311.15
Leg assy.—maple	CR.700.925
Leg assy.—walnut	CR.700.926
Leg Assy.—Teak	CR.700.927
Lid stay	CR.285.821
Nut—dial escutcheon mtg. 2x	CS.271.404
Plug—5 pin, 2x (tape socket lead, speaker lead)	CZ.365.322 McMurdo B5CP
Plug—4 pin (P/U lead)	CZ.365.320 McMurdo B4CP
Plug—2 pin (charger motor)	CZ.365.142 McMurdo B2/PP
Socket—5 pin, 2x (speaker, tape socket lead)	CZ.370.513 McMurdo 5QMS/C
Socket—4 pin (P/U lead)	CZ.370.512 McMurdo 4QMS/C
Socket—2 pin (changer motor)	CZ.370.144 McMurdo 2QMP/AU
Socket—5 pin (tape input)	979/5x180
Switch—function and on/off (S1/S2)	CZ.220.401
Tuning spindle	CS.351.277
Wordmark assy.	CR.520.904

VIEW FROM FRONT SHOWING
GANG IN OPEN POSITION.
(DRUM FULLY ANTICLOCKWISE)



PHILIPS *Service* notes

MODEL RF670 STEREOGRAM



SPECIFICATIONS

Power supply	220-250V, 50Hz
Power consumption	20W
Tuning range	520-1620 kHz
Intermediate frequency	455 kHz
Record changer	BSR type UA15/SS2A
Pick-up head	BSR type C1ST3
Lamps, 3x	8045D (6.3V, 0.32A, tub. screw)
Modules	1 x UF303, 2x UA502

CHASSIS REMOVAL

Remove power plug from mains supply socket.
Remove cabinet back.
Swivel rod aerial to a position parallel with chassis to prevent breakage during withdrawal.
Unplug from chassis—speaker lead plug, pick-up lead plug, record changer power supply plug, tape recorder lead plug.
Remove control knobs, nylon dial window retainers, dial window and four chassis retaining screws.
Withdraw chassis from cabinet taking care not to damage inside of lid.
Re-install in the reverse order.

LAMP REPLACEMENT

Dial Lamps
Remove dial window glass (refer Chassis Removal). At the end of the dial scale at which the lamp is to be replaced, back off the screws holding the clamping bracket and rubber dial scale support. The dial lamp in its holder may now be withdrawn from the moulding. (Lamp type 8045D 6.3V—0.32A).

Bezel Lamp

Remove cabinet back.
Slide bezel lamp and holder from mounting bracket.
(Lamp type 8008D 6.3V — 0.15A).

RECORD CHANGER REMOVAL

Remove power plug from mains supply socket.
Remove cabinet back.
Unplug pick-up lead and motor power lead.
From the underside of the changer mounting board, turn the spring clips on the ends of the two transit screws through 90° to assume the vertical position.
Lift the changer clear of cabinet.

ALIGNMENT

Trimming point locations are shown on the UF303 module circuit. Put volume control at maximum, balance and tone control in central position.

I.F. ALIGNMENT

Fully close tuning capacitor. Connect signal generator via I.F. dummy to TRI. Peak cores in the order quoted and at the respective frequencies listed.

I.F.T.—3	455 kHz
I.F.T.—2	456.5 kHz
I.F.T.—1	453.5 kHz

Repeat adjustments as necessary.

R.F. ALIGNMENT

Fully close tuning capacitor and position the dial cursors to the 520 kHz marks. Inject signal via a single turn around the aerial rod. Set signal generator at 520 kHz and peak oscillator coil. Tune receiver to full H.F. limit and set generator at 1620 kHz.

Peak oscillator trimmer.

Repeat above until band end setting is correct.

Tune receiver and adjust generator to 600 kHz (7ZL) and peak rod aerial assembly.

Tune receiver and adjust generator to 1500 kHz (3AK) and peak aerial trimmer (C303).

Repeat last two adjustments as necessary.

UA502 CURRENT CONSUMPTION

Quiescent (no signal) output transistor collector current can be adjusted by means of R108, measured at the metering points provided—7.5 mA at 17V and 75°F—or to the following temperature/current table.

Temp. °F	40-80	90	95	100	105	110	115	Tol.
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Collector	Current, mA	7.5	7.5	7.5	7.7	8.0	8.5	9.0	10.5	±20%
Total current, mA	25	25.5	26	26.5	28	29	30	±10%		

UF303 CURRENT CONSUMPTION

Under no signal conditions, UF303 module should draw 5 mA, ±1 mA.

C	301, 302	303, 304	305, 306	313, 314, 315	315	307	308	309, 310	314	C
R	313	301	302	303, 304, 305	304, 305, 306, 307	308, 307	304, 305	311, 312, 308, 309	310	R
L	309	301	302	303, 304, 305	304, 305, 306, 307	308, 307	304, 305	311, 312, 308, 309	310	L
	D303, D304, TR301	UF303		D302, D301, S2, La1, La2, S3	S1		UA502		La2	

