

TRP 11
TRP 21
TRP 31

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SERVICE MANUAL

MODELS

TRP 11

TRP 21

TRP 31

“PLAYTIME”

“GAYTIME”

“DANCETIME”

ISSUED: NOVEMBER, 1961

KOLSTER-BRANDES LIMITED
FOOTSCRAY SIDCUP KENT

SERVICE DEPOTS

41 BENT STREET,
CHEETHAM, MANCHESTER
Telephone: BLAckfriars 1751 (3 lines)

FOOTSCRAY,
SIDCUP, KENT
FOO...cray 7733 (6 lines)

87 McALPINE STREET,
GLASGOW
CENTral 1779



Service Data

FOR TRANSISTORIZED RECORD PLAYERS

MODELS

TRP 11 TRP 21 TRP 31



TRP 21
"GAYTIME"



TRP 11
"PLAYTIME"



TRP 31
"DANCETIME"

The Museum.org.uk logo is a green, stylized 'M' with a cross-like shape inside, positioned to the left of the text 'The Museum.org.uk'.

GENERAL DESCRIPTION

Competitively priced Transistor Record Players, all utilising identical chassis and similar Player Units.

The Player Unit provides 4 speed facilities and is identical on the three models, apart from a smaller diameter turntable fitted to the TRP11.

The cabinets are covered with Suwide, and the colours have been chosen to provide a matching display for the three types.

The TRP11 is designed to play 7", 10" and 12" records with the lid completely removed from the slide-off hinges, and has an upwards facing speaker (5" x 3").

The TRP21 will play 7" and 10" records with the lid closed which must be open for 12" records. The loudspeaker (7" x 4") is larger than the one fitted to the TRP11 and is forward facing.

The TRP31 will play 7", 10" and 12" records with the lid closed.

PHYSICAL CHARACTERISTICS

TRP11	TRP21	TRP31
Height: 9 $\frac{3}{4}$ " (24.6 cms.)	11" (28 cms.)	14" (35.5 cms.)
Width: 12 $\frac{1}{4}$ " (31 cms.)	14 $\frac{1}{4}$ " (36.2 cms.)	14 $\frac{7}{8}$ " (37.7 cms.)
Depth: 5 $\frac{1}{4}$ " (13.3 cms.)	5 $\frac{1}{4}$ " (13.3 cms.)	5 $\frac{3}{8}$ " (13.6 cms.)
Weight: 8 lb. 5 ozs. (3.6 kgs.) (Including batteries)	10 lb. (4.5 kgs.)	11 lb. 7 ozs. (5.19 kgs.)

BATTERIES

2 x 9 volt. Nominal life: MOTOR, 35 hrs. @ 45 r.p.m. AMPLIFIER, 250 hours.

Make	Type No.
EVER READY ...	PP9
DRYDEX ...	DT9
VIDOR ...	T6009

TECHNICAL INFORMATION

TRANSISTOR COMPLEMENT. GET 113 Amplifier.
GET 113 Driver.
GET 113 Output (Matched pair).

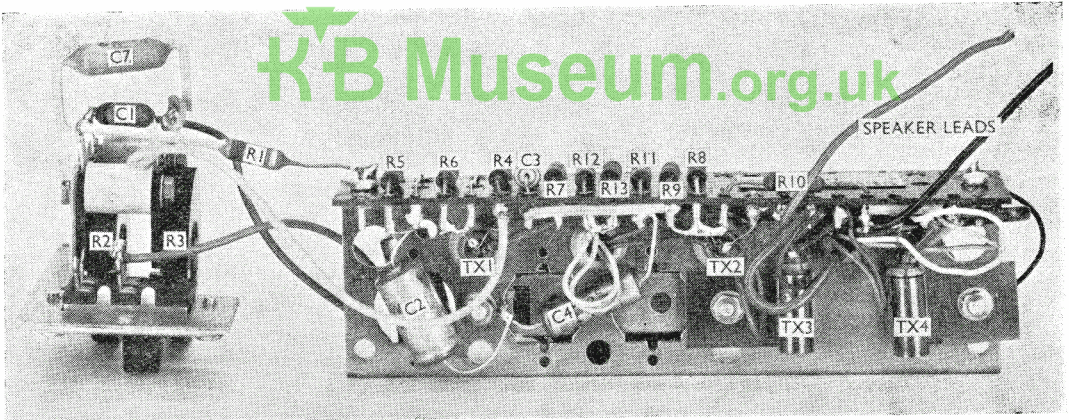
CIRCUIT DESCRIPTION. Output from the crystal pick-up is developed across R1 and R2, the latter being the Volume Control.

Variable tone correction is applied to the base circuit of the pre-amplifier transistor which is followed by a driver feeding the phasing transformer supplying the drive to the output transistors which are a matched pair.

A 35 ohm loudspeaker is connected across the primary of the audio output transformer, the secondary of which provides negative feedback to the emitters of the output transistors.

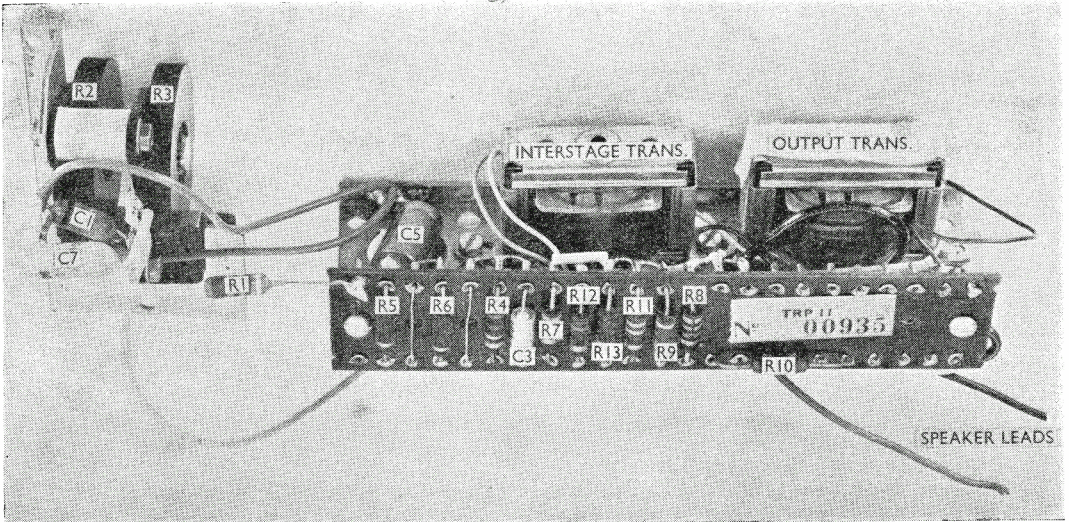
POWER OUTPUT 750 mw. Two 9 volt batteries provide the power supply, one feeding the amplifier and the second, the motor unit.

Both batteries are controlled by the On/Off Switch.



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CHASSIS





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SPARE PARTS LIST

Prices are subject to alteration without notice

Component	Part No.	Price (Retail)
Cabinet Assy. (TRP11)	663/4	£6 - 3 - 6
Cabinet Assy. (TRP21)	666/3	£8 - 11 - 8
Cabinet Assy. (TRP31)	667/3	£9 - 13 - 9
RECORD PLAYER (E.M.I.)		
TRP11	663/215	£6 - 10 - 0 + P.T. £2 - 7 - 8
TRP21 and 31	666/215	£6 - 12 - 6 + P.T. £2 - 8 - 8
SPEAKER		
TRP11	654/250	£1 - 4 - 6 + P.T. 8/9
TRP21 and 31	666/250	£1 - 6 - 8 + P.T. 9/6
CONTROLS		
Potentiometer 500 k (Volume)	9/54	3/3
Potentiometer 250 k (Tone)	9/54/1	3/3
Switch	13/51	4/3
COMPLETE CONTROL SUPPORT ASSY.		
TRP11 and 31	663/168/1	16/6
TRP21	663/168	
CONDENSERS		
160 mf 10 volt	KEM 162/S	2/3
100 mf 4 volt	KEM 163/S	1/10
TRANSFORMERS		
Driver	650/83/1	14/3
Output	650/95/1	11/6
PICK-UP-HEAD		
Acos	GP 67-1G	18/- + P.T. 6/4

