



SERVICE MANUAL

MODEL

SP 31

“SONATA”

ISSUED: NOVEMBER, 1961

KOLSTER-BRANDES LIMITED
FOOTSCRAY SIDCUP KENT

SERVICE DEPOTS

41 BENT STREET,
CHEETHAM, MANCHESTER

FOOTSCRAY,
SIDCUP, KENT
FOOTSCRAY 7733 (6 lines)

87 McALPINE STREET,
GLASGOW
CENTRAL 1779

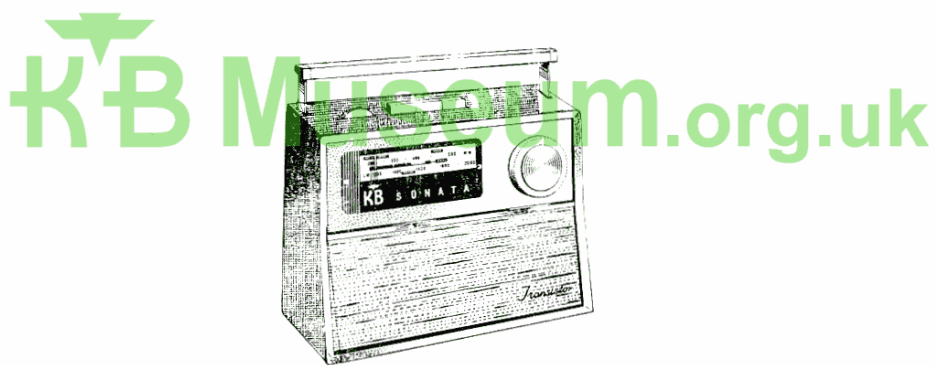
Telephone: BLAckfriars 1751 (3 lines)



SERVICE DATA

MODEL SP 31

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SP 31

KB Museum.org.uk

A six transistor 'hand-bag' style portable, electrically identical to the RP 21, but fitted with a de-luxe cabinet.

BATTERIES

2 x 9 v Nominal life 300 hrs.

Make	Type No.
Everready	PP7
Vidor	T 6007

Transistor Complement

			Function
TX 1	G.EC	GET 874	Osc Mixer
TX 2	G.EC	GET 873	1st IF Amplifier
TX 3	G.EC	GET 873	2nd IF Amplifier
TX 4	G.EC	GET 113	Audio Driver
TX 5, TX 6	G.EC	GET 113 (pair)	Push-Pull Output

CIRCUIT AND ALIGNMENT INSTRUCTIONS

AS FOR MODEL RP 21.

SPARE PARTS LIST

(As for Model RP 21 with the exception of items quoted below).

COMPONENT	PART No.	PRICE (Retail)
CABINET ASSY.	654/4	£3 4 9
LOUD SPEAKER	654/250	£1 4 6 PT 8/9
PUSH BUTTON UNIT ASSY.	610/123/1	7 6
KNOB ASSY.	610/136/1	3 3
SCALE	654/200	4 6

Circuit Amendment

R 18 & R 19 omitted on Model SP 31.


EQUIVALENT TRANSISTOR CHART WITH NEUTRALISING VALUES

Circuit Ref.	Function	G.E.C.	K.B. Part No.	S.T.C	K.B. Part No.	Mullard	K.B. Part No.
TX1	Mixer	GET 874	7/6	TK1000C	7/18	OC44	—
TX2	1st I.F.	GET 873	7/7	TK1000C	7/18	OC45	—
TX3	2nd I.F.	GET 873	7/7	TK1000C	7/18	OC45	—
TX4	Driver	GET 113 or 114 *	7/8	—	—	OC81D	—
TX5	Output	GET 113* Matched Pair or GET 114 Matched Pair	7/8P	—	—	OC81 Matched Pair	—
TX6							
C7 & C10	Neutralising condensers.	16PFD	—	24PFD	—	19PFD	—

NOTE:—* GET 113. are 2db up on GET 114.

