

MODEL- R-182X
**BATTERY-OPERATED
DOVER AND CALAIS**
-ALIGNMENT INSTRUCTIONS-

Service Data.—The following data is placed in this instruction book for the service man's use in case, on some occasion, he may not be supplied with a copy thereof.

If the receiver lacks sensitivity and the tubes and their voltages have checked O.K. (see voltage chart accompanying circuit diagram) proceed to check the alignment as follows.

Alignment—The alignment operation can all be performed without removing the chassis from the cabinet.

(a) Connect an output meter to the speaker terminals or between plate and screen of the output tube.

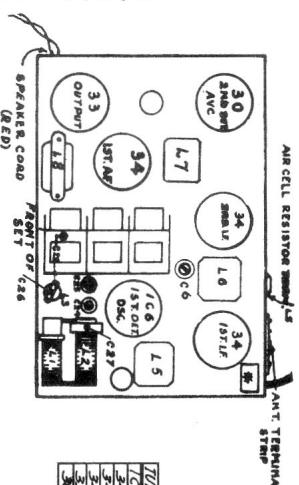
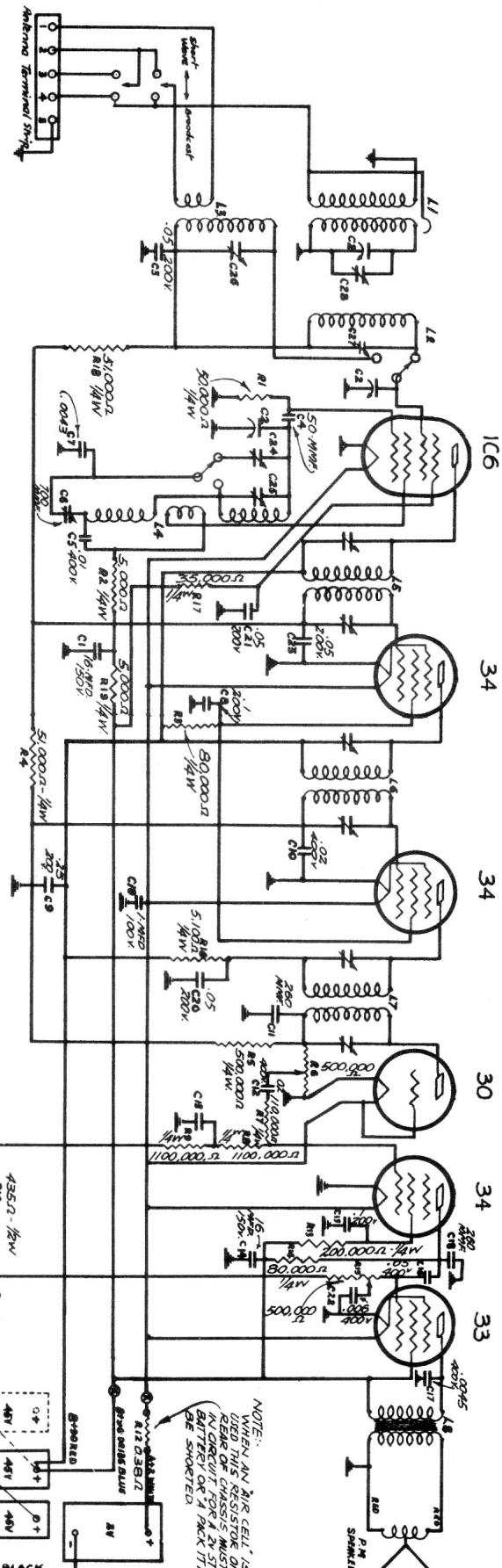
(b) Connect a 370 K.C. oscillator between the grid cap of the 106 first detector and ground. Make sure that there is no connection between the 106 and the oscillator.

is a condenser (approximately .02mfd) in the oscillator leads so that the L-C-G grid is not shorted to the ground and the bias upset.

(c) With the volume control full on, align the I.F. stages beginning with the last and working forward, keeping the

input signal low enough so that the lowest practical output reading is obtained. Particular care must be taken in aligning the I.F. because these circuits are very selective. If the alignment was very far out repeat the above opera-

tion. This alignment should be carried out with the range switch in the "broadcast band" position and the gang condenser set about 1400 K.C.



NOTE:—
IF THREE "B" BATTERIES ARE USED CONNECT THE THIRD BATTERY AS SHOWN IN DOTTED LINES & MOVE THE (B1-PO OR 356) LEAD OVER TO ITS POSITIVE TERMINAL OF THE SECOND BATTERY.

PIPE	CIRCUIT	LOCATION	FIL.	PLATE	SCREEN	BIAS
1-0	15-1 DEP.	OSC.	1	800	50	0
3-2	5-1	1/2	2	91	52	0
3-2	2ND 1/2	1/2	2	78	53	0
3-2	15-1 TUNING	1/2	2	77	50	0
3-0	QUINT. 1/2	1/2	2	70	52	0
3-0	2ND 1/2	1/2	2	76	52	0
3-0	DEP. 1/2	1/2	2	82	52	0

MEASURED WITH A 1000 OHMS PER VOLTMETER.
MEASURED ACROSS R1.
MEASURED ACROSS R2.
TUBE SOCKET.
TO GROUND.
ANTENNA SHORTED TO GND.
B-BATTERY CURRENT = .62 AMP.
WITH 135V.

PRINTED IN CANADA

COURTESY-

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DATA SHEET STEWART-WARNER-26**