rdinary manner, the 1T5G fe ry of the output transformer.

In order to make the chassis "dead" from a shock-proof standpoint, the circuits are all returned to a "B negative line which is by-passed to the chassis through C17 and C26 in series and also through the On AC-DC operation the power switch consects four I, while tube filaments in series between cathods of the \$1560T tube and \$B^m negative. \$P\$ supplies the blast for the \$1560T as well as the filment urent for the other tubes. The switch a disconnects the \$156 T almost, readering it inope the and the output transformer is \$44 to the low peakace has from the place of the \$156T. The circ is otherwise the same as on buttery operation.

PORTABLE MODEL 4531

This seven tube superheterodyne receiver is of lew design which can be operated either as a por-ble battery set or as an AC-DC set obtaining pow-rom an outlet of 105-125 volts 25, 60 cycle or d

On battery operation the 35 wolt tubes are not used and the remaining five tubes function in the ordinary manner, the 1750 feeding the complete prim-

NOTE 2:

speaker come

Il shielded oscillator and suit-required. The output meter may be speaker voice coil terminals, it as follows using the weakest ill give readable output and hav-lfull on. It is preferable to

SERVICE DATA The "adjustment of this filter circuit" is quite simple. First unacrew the core of the filter coil a few turns to the left. Then after aligning the scond I.F. transformer and in that order screw in the filter coil core until oscillation or sewere swish ceases. Then readjust the first I.F. transformer again for maximum output (do not touch second stage transformer). If the receiver becomes unstable again, screw in the filter core a little further. These operations should be repeated until maximum sensitivity with good stability is obtained. The same adjustments be removed from the case of I.F. alignment but not for R.F. and Oscillator elignment. This may be done by removing the knobs and four mounting server. It is not secessary to disconnect the loops and antenna coils from the chassis.

15. 14. 13. 12 11. 10. These last operations should be performed with the chassis replaced in the case in its normal ting location.
When replacing the chassis make sure that the speaker leads are kept clear of the speaker co at the same time well toward the front of the case and away from the 1H5G grid lead. 200 mmfd. Condenser ADJUST C8L for maximum output when tuned to a station near 6000 kc. SWITCH TO "LOOPS". 200 200 200 200 200 ADJUST C9L for maximum output when tuned to a station near 1500 kc. 200 mmfd. Condenser 200 mmfd. Condenser 200 mmfd. mmfd. mmfd. mmfd. mmfd. To To To Antenna Antenna Antenna Antenna Antenna ADJUST C10L for maximum output when tuned to a station near 400 kc 6000 kc 6000 kc 1500 1500 465 kc 600 kc 850 250 kc 465 350 kc kc kc kc 600 250 1500 350 кс оп 850 kc Any range band Any kc kc B. C. Osc. Series Pad C14 Trimmer on L8 Core on 2nd on 1st I.F. and Trimmers I.F. Transforme C11 C12 C15 C10A C18 on SHORT WAVE. on BROADCAST. output. Adjust Adjust to brin minimum output L14 to stop Adjust for max Bring in signa. Adjust for max Repeat 7 & 8 Bring in signa Bring in signa Adjust for max Bring in signa in signal. Adjust for oscillation. Peak for max. Repeat 8 & 4

STEWART-WARNER

DATA SHEE

w two

35L6G1

www.r.

-01 mf

leeeeee *

month in

I.F.465K.C.

Dummy Ant.

PROCEDURE FOR

ALIGNMENT: -- SI ON ANTENNA POSITION

DC 10 60CY \$ 115x 6 °

Connection of

Generator

Frequency Generator

Dial Setting

be Adjusted Trimmer to

Description o

Receiver

mmm

mim

POWER SWITCH SHOWN "OFF " POSITION

(12)

.02 き十

35Z5G

lelle

mm

[1100]

(0000000)

wwim

十0,1

C26 70 1500

200

14

1A7G

IN5G

1H5G

210mmf

1T5GT