

## RADIO CORPORATION PTY.

DIVISION OF ELECTRONIC INDUSTRIES LTD. 126-130 GRANT STREET, SOUTH MELBOURNE, S.C.4.

File: Receivers
Portable

BULLETIN: FQZ-3 Date: 11.12.61. Page: 1.

### TECHNICAL BULLETIN

# MODEL "FQZ"

# SUMMARY OF PRODUCTION CHANGES

#### DIODE DETECTOR - TYPE 1N295

Due to a shortage of type 1N295 diodes a type SFD106 may be used as a replacement.

#### CIRCUIT NO.58 180 OHM RESISTOR

To increase audio gain in receivers fitted with type 2N483 and 2N484 I.F. amplifier transistors the 180 ohm resistor is being changed to 330 ohm +10%  $\frac{1}{2}\%$  Part No. R3312.

The 180 ohm resistor is retained in receivers fitted with type 2N410 transistors.

#### CIRCUIT AND COMPONENT CHANGES

To improve signal to noise ratio the following changes have been performed.

Circuit No. 6 - •OlmF condenser - deleted

Circuit No. 29 - 4,700 ohm resistor - deleted

The emitter of transistor type ATl is connected directly to the negative line.

The collector of transistor type ATl and junction of circuit No.34 are connected directly to Pin 1 of 1st IF transformer Circuit No.63.

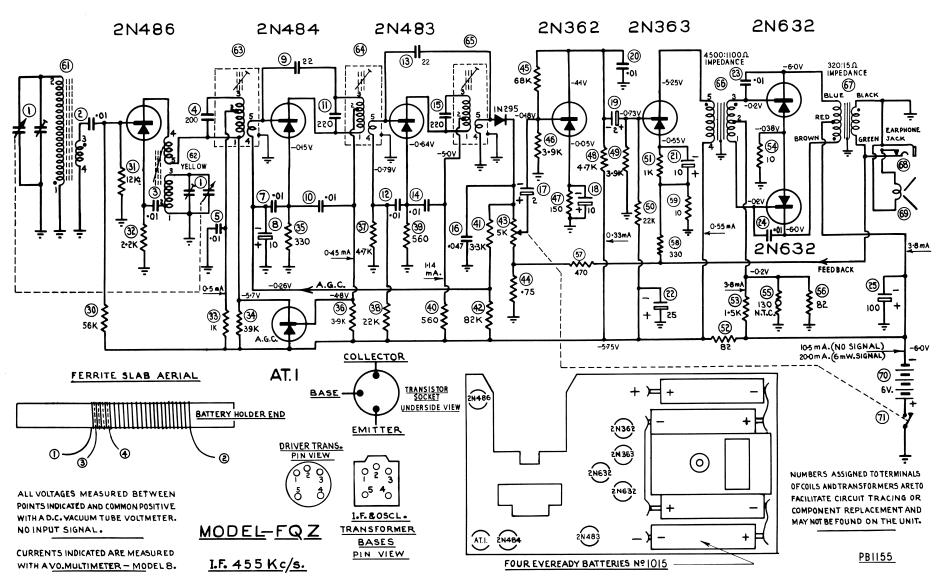
#### CHANGE TO IMPROVED TYPE OF CERAMIC CONDENSER

The condensers listed have been changed to a new type which are more robust and less susceptable to mechanical damage.

Circuit Nos. 2,3,5,6,7,10,12,14,20,23 and 24 - changed to .01mF +87% -20% 25V DCW
Part No. 4008-039-06.

#### REPLACEMENT PLUG FOR USE WITH EARPHONE

A plug, Part No. 7171-015-01, is available to replace the original sealed plug fitted to the lead attached to the earphone supplied with the receiver.



ISSUE 2. CIRCUIT NO. 33 WAS 1-5K. CIRCUIT NO. 36 WAS 2-2K. CIRCUIT NO. 58 WAS 1-5K. CIRCUIT NO. 13 WAS 18. CIRCUIT NO. 4 WAS 220. CIRCUIT NO. 29 ADDED. 2N 483 WAS 2N 484. AT.I WAS 2N 363. ISSUE 3. CIRCUIT NO. 33 WAS 2-2K. CIRCUIT NO. 29 DELETED. CIRCUIT NO. 6 DELETED. EMITTER LEAD OF AT.I WAS CONNECTED TO JUNCTION OF CIRCUIT NO. 33 &5. CIRCUIT NO. 58 WAS 180 OHM.

#### CHASSIS COMPONENT SIDE VIEW A GREEN 16 NOTE: VOLUME CONTROL CONNECTIONS. A TO CIRCUIT NO. 41 & CIRCUIT NO. 16. B TO CIRCUIT NO. 17. IN295 C TO CIRCUIT NO. 44. TO 6V, SUPPLY (POS.) VOLUME CONTROL OZV DRIVER 2N632 .038V 2N632 SPEAKER TRANSFORMER 2N363 -5-25V 2OSC. 3 (62) OSC. COND. AERIAL OSC. TRIMMER TRIMMER -IF SIG. GEN. CONNECTION. C WHITE 2N362 45 GANG CONDENSER 0.05V -0-18V TO 6 V. SUPPLY 10-5mA(NO SIGNAL) 20-0mA(6mW. SIGNAL) 69

PB1154

ISSUE 2

FQZ