



# RADIO CORPORATION PTY. LTD.

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

File: Receivers  
Portable  
BULLETIN: FQZ-3  
Date: 11.12.61.  
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## 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  $\pm 10\%$   $\frac{1}{2}W$  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 - .01mF condenser - deleted

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

Circuit No. 33 - 2,200 ohm resistor changed to 1000 ohm  $\pm 10\%$   
 $\frac{1}{2}W$  Part No. R1022.

The emitter of transistor type AT1 is connected directly to the negative line.

The collector of transistor type AT1 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 susceptible to mechanical damage.

Circuit Nos. 2,3,5,6,7,10,12,14,20,23 and 24 - changed to .01mF  $\pm 8\%$   
 $-20\%$  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.



# CHASSIS COMPONENT SIDE VIEW

NOTE:  
VOLUME CONTROL CONNECTIONS.  
A TO CIRCUIT NO. 41 & CIRCUIT NO. 16.  
B TO CIRCUIT NO. 17.  
C TO CIRCUIT NO. 44.

