



CODAN

Introduction of the surface mount Microprocessor and Audio PCB in 9323/9360/9390/9680/9780 transceivers

Introduction

This Service Bulletin affects users of the 9323/9360/9390/9680/9780 transceivers. The Microprocessor and Audio printed circuit board (PCB) has been replaced with a surface mount PCB (see Table 1). The new Microprocessor and Audio PCB increases the reliability of the transceiver, and meets the changing availability of some components.

Table 1: Comparison of new and old Microprocessor and Audio PCB

PCB	Part number	Type
New Microprocessor and Audio PCB	08-05739-001	Surface mount
Old Microprocessor and Audio PCB	08-04966-001	Thru-hole mount

Details

The serial number prefixes of the 9323/9360/9390/9680/9780 transceivers that have been fitted with the new Microprocessor and Audio PCB have been incremented by one letter. The serial number prefixes of the transceivers fitted with the old and new PCBs are listed in Table 2.

Table 2: Serial number prefixes of the transceivers fitted with the old and new versions of the Microprocessor and Audio PCB

Type of transceiver	Old serial number prefix	New serial number prefix
9323	E	F
9323 H	E	F
9323 low power	P	Q
9360 C	E	F
9360 low power	P	Q
9360 MR (Arabic)	A	B
9360 MR (Cyrillic Russian)	A	B
9360 MR (English)	A	B
9360 V	A	B
9360–30	E	F
9390	E	F
9390 H	B	C
9680	E	F
9780	B	C
9780 low power	P	Q

Software compatibility

Transceivers using software versions 3.00 or later

The new Microprocessor and Audio PCB (part number 08–05739–001) can be used as a direct replacement in all transceivers using software versions 3.00 or later.

Transceivers using software versions earlier than version 3.00

To fit the Microprocessor and Audio PCB in transceivers using software versions earlier than version 3.00, complete the following.

- Upgrade the software to at least version 3.00.
- Modify the PCB of the control panel, according to 17–60056.
- Fit the new Microprocessor and Audio PCB (part number 08–05739–001).

Repair issues

The use of the surface mount Microprocessor and Audio PCB means that this PCB can no longer be repaired in the field and should be considered for module level repairs only.



The circuitry of the microprocessor contained within the metal shield remains unchanged with standard thru-hole-mounted components.