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## **8525B/8528/9313/9480 Series - RF Mixer and Dual Synthesiser**

### **1. Scope**

Obsolescence of the Phase Locked Loop (PLL) device, NJ8822 by the manufacturer has resulted in Codan releasing a revised RF Mixer and Dual Synthesiser assembly. In addition, new software has been released to function with the new RF Mixer.

8525B/8528/9313/9480 series transceivers with the following serial number prefixes are fitted with the new assembly and software.

Transceiver type	Serial number prefix
8525B	C
8528 series	C
8528 International	J
9313	B
9480	B

### **2. Compatibility**

The new RF Mixer assembly and software, when used in conjunction, are directly compatible with all previous builds of the affected transceivers. It should be noted that the new software will not function with the previous build RF Mixer assembly (08-03740-001) and old software will not function with the new assembly.

### **3. Part numbers**

The part numbers for the new RF Mixer and Dual Synthesiser are:

RF Mixer assembly 08-05295-001

Circuit diagram 04-03120

Software part numbers have not altered, but their issue status has been raised.

Issue 5.xx software or earlier are compatible with RF Mixer assembly 08-03740-001. Issue 6.xx or later are compatible with the RF Mixer assembly 08-05295-001.

#### 4. Spares

Stocks of NJ8822 are held to supply spares for the older RF Mixer assembly 08-03740-001. Conversely the new RF Mixer assembly may be substituted along with the new software.

#### 5. Summary

Assembly Number	Software Issue	Compatibility
08-03740-001	5.xx or earlier	YES
	6.xx or later	NO
08-05295-001	5.xx or earlier	NO
	6.xx or later	YES

Both YES combinations are compatible with all builds of 8525B/8528/9313/9480 transceivers.