

connections are more than a few centimetres long, then a screen will need to be fitted so that the two leads cannot "see" each other, and spoil the preselector rejection.

The leads feeding +12V to each oscillator need to be run in screened audio cable, and short lengths of miniature coaxial cable should be used for the inter-PCB wiring.

### Alignment

There are two ways of aligning the unit. The first, if you haven't any test equipment, is purely to tune up for best received signal. The better way is to firstly adjust L3 until oscillation occurs (monitor the current taken by the +12V line for a sudden peak), then back the core off slightly so that the oscillator fires reliably when switched on and off. With a diode probe connected to the oscillator output, adjust TC1 and TC2 for maximum reading (the trimmers will be near minimum

## COMPONENT LISTING

### RESISTORS

All resistors 0.25W 5% carbon film unless noted otherwise.

R1,2	47R 1 watt
R3	3R3 1 watt
R4	330k
R5,14,22,23,37*	1k
R6,38	4k7
R7,8,18,21,34*	100R
R9	56R
R10	100K
R11,17,33	10K
R12	22K
R13,36*	390R
R15,29,30	1K5
R16	not used
R19	18R
R20	150R
R24	27R
R25	27R
R26,35*	220R
R27,28	4R7
R31*	330R
R32*	2k2
R39,40	10R
R41,42	68R

