

Modifying The Realistic PRO-2004

● LESCOMM

This mod gives the 2004 approximately a 30 channel per second scan rate and an additional 100 channels for a total of 400 channels, and restores the cellular band.

- 1.Refer to page 26 of the service manual if available.
- 2.Locate pc-3 in unit. Turn unit upside down. Pc-3 is in the after right corner.
- 3.Remove cn501 & 502. (Do not pull on the wires!!) leave 503,504 & 505 connected.
- 4.Remove processor shield cover.
- 5.Remove screws holding pc-3.
- 6.Install 1N914b or 1N4148 diodes in the holes etched for D-514 and D-510. (Count back from the labeled diodes.) Remove D-513.
- 7.Locate cx501.
- 8.Flip board towards front of unit and unsolder cx501. Be careful with the wiring!
- 9.Remove cx501 and replace with 10mhz HC18/u.
- 10.Solder new crystal in place and cut off excess leads.
- 11.Remount pc-3.
- 12.Re-install cn501/502, button up and enjoy your work.

Note: Some of the units will not function properly at this fast scan speed. Some of the symptoms are; display comes up blank when unit is powered up. Some of the keys do function.(this symptom progressively gets worse as unit warms up.) Priority check function causes the unit to continue scan rather than continue delay on an active channel after checking priority channel.

If your unit has one of the above symptoms, simply replace the 10mhz crystal with a 9mhz crystal.