

SUBJECT: Citizen's Band

MODEL: 14T300/14T301

DATE: December 13, 1976



FIELD BULLETIN #76-006

TO: ALL CB/SCANNER WARRANTY REPAIR CENTERS

SUBJECT: USE OF SK'S AS REPLACEMENT PARTS FOR 14T300/14T301

An evaluation has been completed using SK devices as replacement parts for both the 14T300 and 14T301. Initial results were quite good as were life results with some specific qualifications.

On a by-socket basis the following information is pertinent:

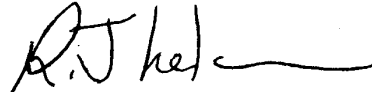
- Q114 - The SK 3018 is excellent in this R.F. Amp. socket; watch the ground lead, let it bend upward out of the way. The SK 3122 will not work in this socket with the required gain.
- Q113 - As in the 14T100/200, the SK 3197 is a direct replacement for the R.F. output transistor. It has been derated to meet Part 95.58 requirements. No retuning is really required.
- Q112 - There are no SK devices at the moment for these sockets. There Q111 will be exact replacements, however, early in the first quarter.
Q110 You will be advised; in the interim use RCA part numbers #741688, and #741731, respectively for Q112 and Q111, 110.
- IC102 - Just added SK 3231 to the line which is an exact replacement for TA7205P. No problems, but exercise precautions as you normally would with any IC concerning soldering techniques, particularly excessive heating.
- Q101 - The SK 3018 must be used in this V.C.O. socket; SK 3122 will not function properly. Again, watch ground lead on the 3018.
- Q115 - The above comments also apply to this mixer stage the SK 3018 must be used.
- Q107 - This switch may use the SK 3114 with good success.

All other small signal devices may use the SK 3122.

Diodes may successfully use either SK 3100 or 2088 depending on the specific socket.

The above listings are not in numerical order, but are in an order most likely to have had failures because of user abuse. Our data continues to show improper antennae and association with linear amplifiers to be contributory mechanisms toward transistor failure.

Don't hesitate to call if there are any questions or comments.



R. J. Nelson, Manager
Field Quality Assurance