



SERVICE

NARCO AVIONICS DIVISION OF NARCO SCIENTIFIC INDUSTRIES, Fort Washington, Pa. 19034

NARCO SERVICE BULLETIN NO. AT-50A-5 (Transponder) February 19, 1975

TO: ALL NARCO AVIONICS CENTERS
ALL NARCO WHOLESALE DISTRIBUTORS

SUBJECT: (1) Field modification that may be incorporated in the "Strobe" circuit of all AT-50's or on AT-50A transponders prior to chassis No. CNG218B4 and CNR218B4. Please refer to Narco Service Bulletin AT-50A-4. (applicable as required).

(2) Correction to a production error when change described in Service Bulletin AT-50A-4 was done in production. (applicable as required).

The following modification will enable the AT-50 or AT-50A's prior to chassis numbers CNG218B4 and CNR218B4 to function as outlined in Narco Service Bulletin No. AT-50A-4.

SUBJECT #1

1. Refer to parts layout picture in maintenance manual. Remove and discard R-221, R-222, C-169 and C-170.
2. Cut printed circuit pad at location shown on drawing enclosed. (bottom PC board).
3. Install Q-137 (Narco part no. 75551-1 2N3415) as shown on drawing enclosed. (top PC board). Add wire from base as shown on diagram.

Install R-250 (Narco part no. 31192-152 1.5K 1/4 watt) and R-251 (Narco part no. 31192-123 12K 1/4 watt) as shown on drawing.

This completes the modification. No alignment is necessary.

Note: Units still under the Narco Warranty period may be modified according to this bulletin and 1 hour labor may be applied for, plus parts.

(cont'd.)

(over)

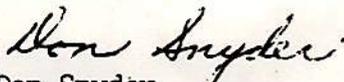
SUBJECT #2

As mentioned, starting with AT-50A chassis No. CNG218B4 and CNR218B4 the aforementioned modification was implemented here at the factory. Some units got out without the printed circuit pad cut as mentioned in Step #2, Subject #1. If such unit is used without an altitude digitizer, no malfunction will occur. If on the other hand, a unit is used with an altitude digitizer the Mode C information may be erroneous. If a unit is found to be as mentioned, we will pay .5 hr. claim to correct this mistake.

Very truly yours,

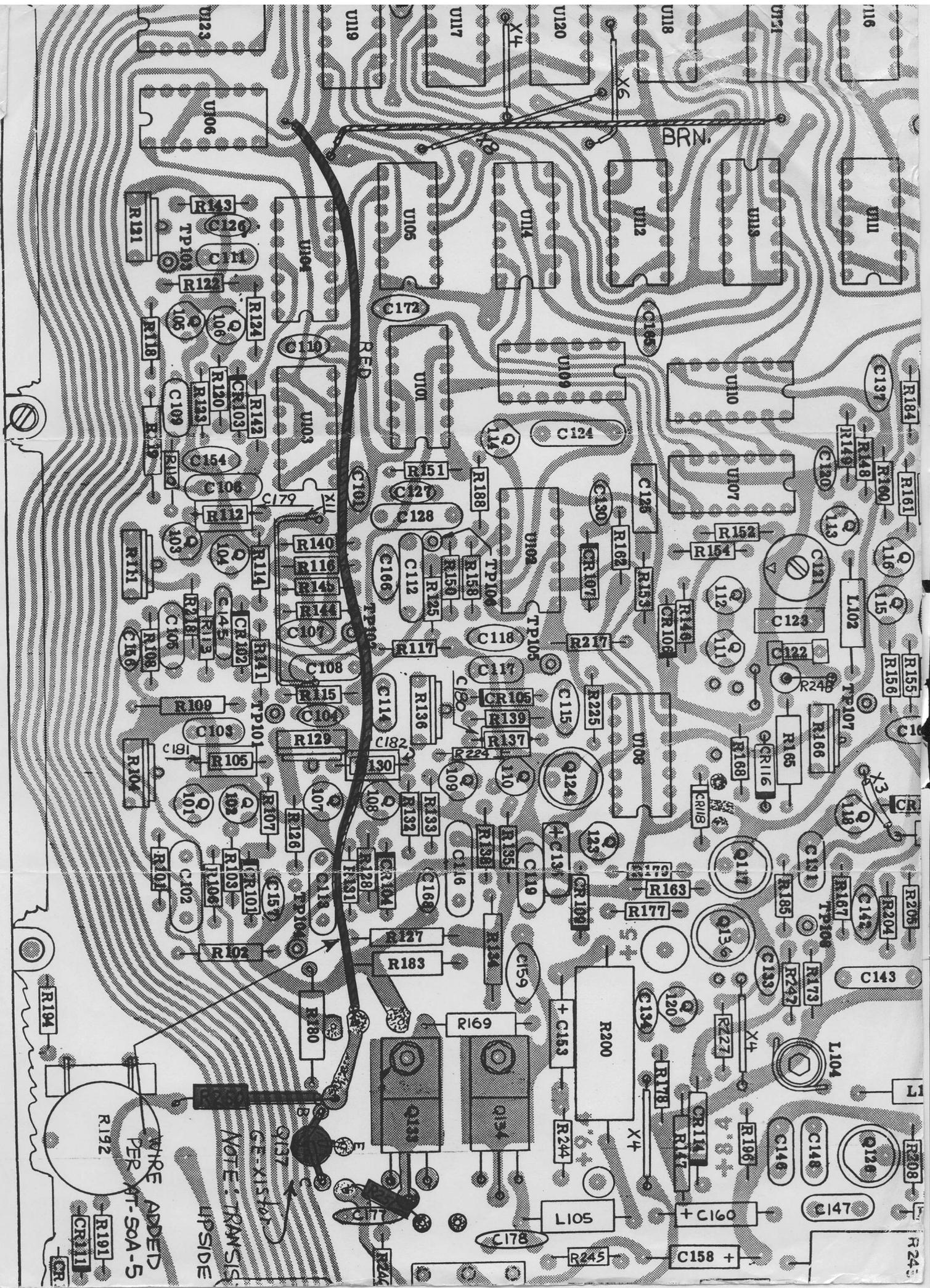
NARCO AVIONICS

A Division of Narco Scientific Industries



Don Snyder
Technical Representative

DS/pk



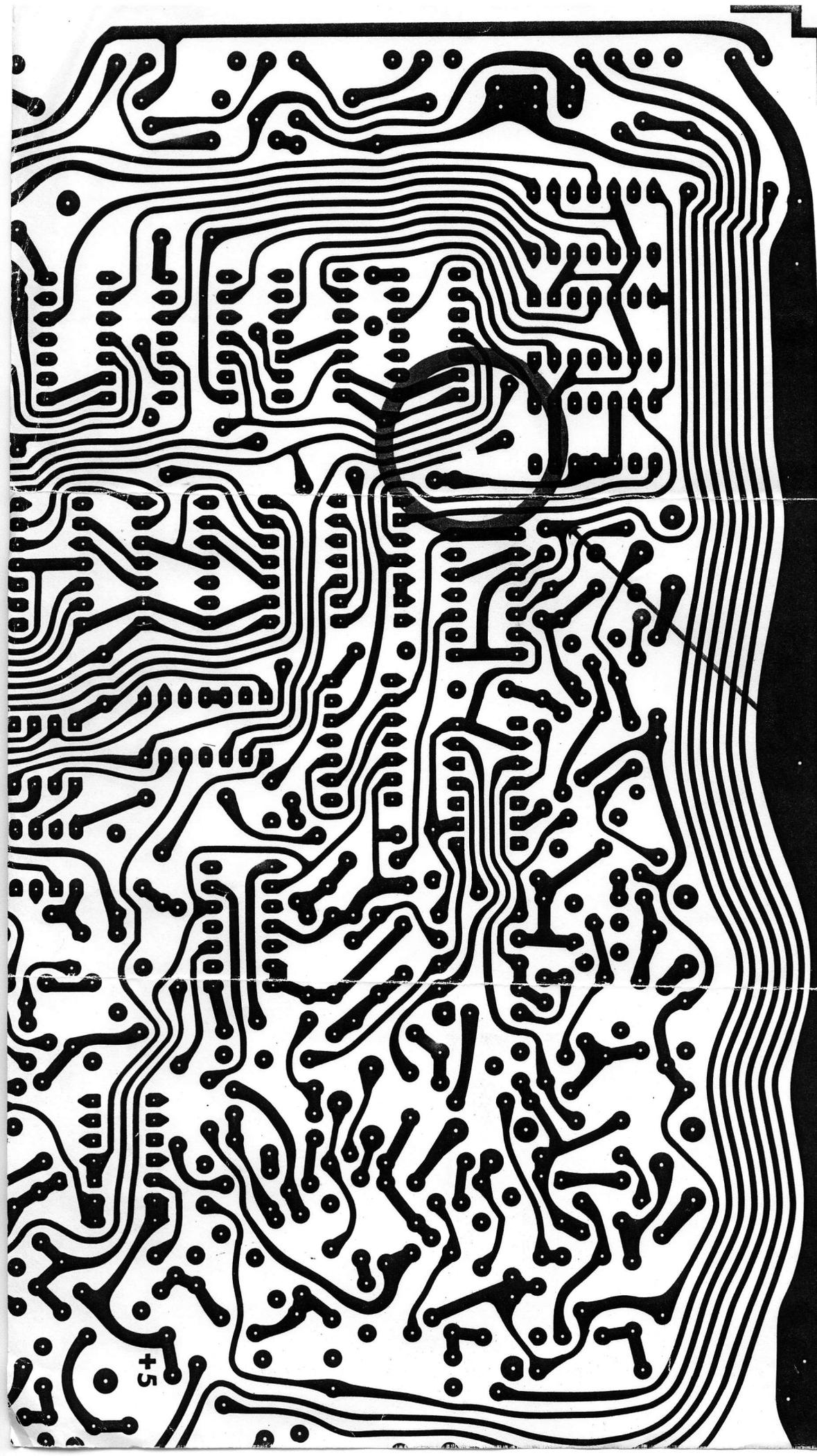
BRN.

RED

WIRE ADDED
PER AT-SOA-5
NOTE: TRAVIS
LIPSIDE

CE-X15103

R245



BREAK CIRCUIT PAD HERE

+5