

This Manual is provided by
CBTricks.com

Someone who wanted to help you repair your equipment
scanned this manual.

If you would like to help us put more manuals online support us.

Supporters of CBTricks.com paid for the hosting so you would have this file.

CBTricks.com is a non-commercial personal website was created to help promote the exchange of service, modification, technically oriented information, and historical information aimed at the Citizens Band, GMRS (CB "A" Band), MURS, Amateur Radios and RF Amps.

CBTricks.com is not sponsored by or connected to any Retailer, Radio, Antenna Manufacturer or Amp Manufacturer, or affiliated with any site links shown in the links database. The use of product or company names on my web site is not endorsement of that product or company.

If your company would like to provide technical information to be featured on this site I will put up on the site as long as I can do it in a non-commercial way.

The site is supported with donation from users, friends and selling of the Galaxy Service Manual CD to cover some of the costs of having this website on the Internet instead of relying on banner ads, pop-up ads, commercial links, etc. to pay my costs. Thus I do not accept advertising banners or pop-up/pop-under advertising or other marketing/sales links or gimmicks on my website.

ALL the money from donations is used for CBTricks.com I didn't do all the work to make money (I have a day job). This work was not done for someone else to make money also, for example the ebay CD sellers.

All Trademarks, Logos, and Brand Names are the property of their respective owners.
This information is not provided by, or affiliated in any way with any radio or antenna Manufacturers.
Thank you for any support you can give.



TECH-NIQUE

990 South Fair Oaks Avenue, Pasadena, California 91105 / Telephone: (213) 799-9164

A communication of vital interest to every Courier dealer

S-226

December 6, 1973

SUBJECT: COURIER TRAVELLER TRANSCEIVERS

Occasionally, one of the following symptoms may arise upon installation of a Courier Traveller. The "Reason" and "Correction" should be clearly understood and followed when the need arises on a particular unit.

- A - Sympton - Receive "motorboating".
- Reason - Insufficient filtering of the 9.1 volt line could cause motorboating during receive after short warmup period. C-33 which is originally 60 mfd is insufficient in capacitance for the unit developing this problem.
- Correction - Change C-33 to 120 mfd @ 12 volts. Courier part #CE-50 should be used, or you may also add a 100 mfd., 12V tubular in parallel with C-33. Connect the plus lead to the right hand side of R-15 and the minus lead to the clamping ring which holds the speaker magnet (ground).
- B - Sympton - Transmitter spurious radiation on all 23 channels.
- Reason - As originally designed, the Q-16 (Low frequency receive oscillator) continues to oscillate during transmit mode.
- Correction - Remove R-28 (4.7K) from P.C. Board. Using new 4.7K 1/8 watt resistor, or extend leads of original resistor (add spaghetti tubing), connect this transistor between "K" and "16" as marked on the underside of the board. Q-16 will now be disabled during transmit.

- C - Symptom - Squeal in Transmit modulation (RF feedback)
- Reason - Gain of TR-30 transistor varies widely from one to another. Squeal occurs when a high gain TR-30 is used with 10 ohm resistor R-36. The susceptibility to RF feedback increases when using antenna which is slightly mismatched.
- Correction - Increase R-36 to 47 ohms.
- D - Symptom - TRANSMIT oscillator continues to oscillate during receive mode.
- Reason - Self oscillation Q-10, Q-11 stage. This symptom may be aggravated on mismatched antenna or certain coil loaded antennas. Be sure coaxial cable length is multiple of 12 ft. in total length of cable.
- Correction - 1 - Tune antenna for lowest SWR.
2 - Cable length - correct to multiple of 12 ft.
3 - Touch up adjustment of A-10, A-11 & A-1.
4 - Replace A-10 coil (#CO-55 original) with #CO-35A (single turn link - secondary). Retune A-10 for max. R.F. output. Tune A-11 and A-1 for 3.2 watts R.F. output. This R.F. Level should provide best modulation percentage.
- Any one of the above should remedy the problem.
- E - Symptom - 10 mc signals (Teletype, etc.) received during night time operation.
- Reason - 10 mc. IF stage intercepts signals from certain antennas and passes to next mixer stage
- Correction - Early production sets - add #CO-56 coil and #CM-27 capacitor (220 pf) from antenna connector to ground. Tune coil for null at 10 mc. Late production sets - retune CO-56 (already in set) as required.

Ray Dashner
Ray Dashner
Customer Service Mgr.