

HINTS / KINKS / GOOFS

(This will be a new feature in SCB for the working tech especially!
for obvious reasons we will have to suspend our offer of free volume
to published contributors..This applies to this column only!!!)

INFORMATION IN THIS COLUMN WILL NOT BE INDEXED***

Problem: Squeal on Centurian 40D in SSB only! (Ampl. mike used)
Solution: changed R-86 to 20K-no change; checked driver/final bias-OK;
finally found it...Slug nearest FET-5 of L-24 was tuned
wrong and wrong size (scoped it and found was on a harmonic).
Someone had busted original and replaced with wrong size.

Problem: TRC-449; Power switch on early production runs-if it is an
exposed switch-the contacts will not take the current and build
up carbon.

Solution: Check when you get one in and replace if old type, size is
a problem in front panel (R/S PN is RRVY271001, on/off-vol)
If they don't want to change it, remind them, Pay me now or
a lot more later!

Problem: MB8719 chassis-units with AMC transistor pulled (TR-32);
distortion/all sorts of noises in TX. Intermittent and not
in all units...

Solution: AMC sensor transistor (TR-33) heating up-removed and cured.

Problem: Busted cores in cans.

Solution: Remove from PCB and get to from bottom, first hit it with a
little heat to break up the glue.

Problem: Return of your repair jobs, that look like someone has had
the "screwdriver" put to it. But you can't prove it!

Solution: Seal the unit with destroy tags; same kind your local Super
Market uses; put them on and initial. Give a warning that
if seals removed-they eat the repair bill!

Problem: "Off-the-wall" conversion by prior "UFO's"..Nuff said!!

Solution: Try to help by putting a tag on inside cover as to a refer-
ence modification (SCB Vol/pg.; CC#; or phone no.)

Problem: Commtron XII (AM/FM only unit); drivers going bad!

Solution: Seems that this is a factory problem in production..Drivers
are torqued down too tight-crack nut insulator and transistor.
Cronic problem-check before you sell and change both.

Problem: HyGain Afterburner Linears

Solution: Remove TVI trap (a small P.C. board); cures most of problems;
and increases power.

Problem: Cobra 2000, 148GTL - popping/cracking when mod limiter (TR-24)
removed.

Solution: Remove C-232 electrolytic capacitor.

GOOF....Don't pass up R/S Engineer's Notebook Vol.2, has more than
Vol. 1. Also don't throw away Vol. 1, as Vol-2 deleted some of it.
A lot of good stuff in them, especially when stumped on circuit
design.

HINT....When tuning-adjust for modulation without a test tone by using
an AH-H-H-H into the microphone. Always tune for max forward power.
If you have to whistle, go buy a dog!

Problem: 858 chassis, blows fuse when keyed-suspected final-but good!

Solution: C179 (2.2Mfd/25V tantalum), changed to higher voltage/same
value-cured problem. Suggest changing on units...