

INTRODUCTION

The information in this book is not to be used to exceed F.C.C. specifications, in any case, as applied to power, modulation, frequency spectrum, etc. It is illegal to do this to any CLASS D RADIO.

This book is a factual report of gathered information, and as such is intended for use on radios FOR EXPORT ONLY.

If you are not familiar with electronics, it is better to check for advise with your local electronics or CB center, as to restrictions, etc., concerning your radio.

More information, on other units will be forthcoming in future issues, to be published on a quarterly basis.

This book will not be found at a book store, but can be obtained through your local CB store or distributor, or by sending \$12.95 to:

SPECIAL EDITION FOR
SPACE RADIO SUPPLY CO. OF HOUSTON
3550 EAST T.C. JESTER
HOUSTON, TEXAS 77018
PHONE (713)688-4594
(STOCKING REP.)

WARNING: MODIFICATIONS IN THIS
BOOK ARE FOR EXPORT USE ONLY.
ILLEGAL ON CLASS D RADIO

Before attempting any repairs or modifications, be sure that you are familiar with the involved tuning techniques and the various involved circuits within the radio. Improper tuning or tuning the wrong circuits can result in serious damage to your radio. If there is any doubt, consult with a qualified technician before proceeding.

A FEW THINGS TO REMEMBER:

Always use the plastic type of tuning tools. Use an "AHHH" sound, when tuning, and avoid any whistling as this will give a false reading. Tuning for maximum power will sometimes result in backwards modulation, so always keep an eye on the percent of modulation while you are tuning. When attaching external crystal boxes or other similar units, remember that if lead inductance occurs, it may cause an improper frequency to be generated. Keeping leads as short as possible and close to the transmitter section, along with the use of proper test equipment will result in more accurate results. It must also be noted that some types of radios will fail to lock on frequency, when taken to the higher level frequency spectrum. These will require complete re-alignment by a technician. Another point to remember is that the Standing Wave Ratio (SWR) will become more critical and higher as the operating frequency is raised.

MOBILE ANTENNA SECRETS:

Running a whip is definitely recommended for longer range. FRANCES INDUSTRIES makes a whip (98") which has a DB gain. Co-phase is not recommended with this antenna, and 22 ft. of RG-58 coax is required. Van Ordt makes an AUDIO KING antenna, which is an OIL FILLED CENTER LOAD. This antenna has shown a DB gain of 4.5 and better signal-to-noise ratio than other antennas.