3. Press the **MEM** key to store the scrambler code in the transceiver's memory.
4. "$_{C}$01^{S}" , "USA", "INTL" and "CAN" will be displayed on LCD.

5. Press the ▲ or ▼ key to set the scrambled channel. "$_{C}$05^{S}" will be displayed on LCD(scrambled channel = CH05).

6. Press the **MEM** key to store the scrambled channel in the transceiver. "MEM" will be displayed on LCD.

7. To program other channels to be scrambled, repeat step 4. to 6. Only one scrambler code can be chosen for all channels programmed.

4.16.2 Operation with voice scrambler

1. Turn on the transceiver. Normal operation resumes.
2. Select a channel that was programmed for scrambler mode.
3. Hold down the **MEM** key for 1 second to turn the scrambler on. The display shows the scrambler code to indicate that the scrambler is activated.
4. Hold down the **MEM** key for 1 second again to turn the scrambler off.

4.17 RESETTING THE TRANSCEIVER'S MICROPROCESSOR

Resetting the microprocessor restores the initial, factory supplied conditions in the transceiver. These are called the default conditions. To reset the microprocessor, first turn the transceiver off. Then while holding the **WX** and **SCAN** keys pressed, turn the transceiver on. The default conditions are:

- No channel numbers are in memory.
- Channel 16 is the priority channel.
- Channel 16 will be selected when the transceiver is turned on.
- WX channel 01 will be recalled when the **WX** key is pressed.
- Channels A and B are unassigned.
- No voice scrambler code is selected.

NOTE

The above procedure also resets the microprocessor. Perform this procedure if an operational problem occurs.

5 BATTERY

CAUTION

To avoid risk of explosion and injury, CNB350 battery pack should only be removed, charged or recharged in non-hazardous environments.

5.1 BATTERY CHARGING

To check the charge status, install the battery and press the PTT switch while observing the BATT indicator. (see page 7)

The battery charge system (CCA250 and CWC230) supplied with the transceiver recharges a completely discharged CNB350 battery pack in about 12 hours.

Battery pack should not be charged with the supplied battery charge system for longer than 16 hours.

The CSA240 is an optional desktop rapid charger that charges the CNB350 battery pack in 1 hour. The transceiver and its battery can be placed into this charger, and the charger set to rapid charge. Battery condition is automatically sensed: when full charge is achieved, the charger switches to trickle-charge mode to maintain the charge indefinitely without harm to either the battery or the charger. This charger and extra battery are highly recommended.

5.2 BATTERY REMOVAL/INSTALLATION

1. Turn the transceiver off.
2. To remove, turn the battery lock screw counterclockwise 3 or 4 turns, and pull the battery pack until it slides out.
3. To install, slide the battery pack into the battery cavity until fully inserted, and turn the battery lock screw clockwise 3 or 4 turns to tighten (3.0 kgf.cm). (see figure 3)

5.3 OPERATING BATTERY CHARGE SYSTEM

1. Plug the end of CWC230 wall charger to the DC IN connector of the CCA250 charge adaptor.
2. Plug the wall charger into a 120 VAC wall outlet.
3. Turn the transceiver off.
4. Insert the transceiver. The indicator lights, and charging begins.
5. Remove the battery pack from charge adaptor when charging time has passed.

NOTE

The CWC230 can be replaced CAW240 mobile cable, or CWC232 120/230 VAC wall charger.

CAUTION

Never plug the power supply to CCA250 charge adaptor except with a CAW240, CWC230 or CWC232.

5.4 CBT350 BATTERY TRAY

CBT350 is a battery tray that holds six AA alkaline batteries and is used with the HX350S transceiver.

1. Push both sides of the top case and remove the bottom case.
2. Install the battery cells into the top case, paying close attention to the battery polarity markings on the case.

- When the HX350S is operated with the alkaline batteries, the battery life is as follows: (5/5/90 duty cycle)
  - high power - 8 hours
  - low power - 15 hours

Note that battery life is more than doubled if transceiver is consistently operated on low power.

NOTE

To ensure proper alignment of screw, rotate if counterclockwise a couple of times prior to tightening.
The battery indicator on the transceiver is only applicable to the CNB350 rechargeable battery. Disregard this indication when using alkaline batteries.

5.5 BATTERY SAFETY

Battery packs for your transceiver contain cadmium (Ni-Cd) batteries. This type of battery stores a charge powerful enough to be dangerous if misused or abused, especially when removed from the transceiver. Please observe the following precautions:

DO NOT SHORT BATTERY PACK TERMINALS

Shorting the terminals that power to the transceiver can cause sparks, severe overheating, burns, and battery cell damage. If the short is of sufficient duration, it is possible to melt battery components. Do not place a loose battery pack on or near metal surfaces of objects such as paper clips, keys, tools, etc. When the battery pack is installed on the transceiver, the terminals that transfer current to the transceiver are not exposed. The terminals that are exposed on the battery pack when it is mounted on the transceiver are charging terminals only and do not constitute a hazard.

DO NOT OVERCHARGE

Do not charge the transceiver for more than 16 hour with the battery charge system. Heat generated by overcharging can shorten battery life and cause other battery pack component failures. The CSA240 rapid charger changes to trickle charge to maintain charge after their rapid charge cycle. Battery packs may be left in the chargers without harm to either the battery pack or charger.

DO NOT INCINERATE

Do not dispose of any Ni-Cd battery in a fire or incinerator. The heat of fire may cause battery cells to explode and/or release dangerous gases.

DISPOSE OF BATTERY PACKS PROPERLY

Ni-Cd batteries must be recycled or disposed of properly. For requirements in your area, check with the dealer from whom you purchased your transceiver. The symbol shown below is a reminder that the battery packs are recyclable.

Ni-Cd

6 MAINTENANCE

For preventive maintenance and instructions on obtaining factory service, please refer to the OWNER'S MANUAL SUPPLEMENT. For general troubleshooting, refer to this Troubleshooting Chart.

TROUBLESHOOTING CHART		
SYMPTOM	PROBABLE CAUSE	REMEDY
The **SCAN** key does not start the scan.	No channels memorized.	Use the **MEM** key to memorize desired channels into the transceiver's memory.
	Squelch is not adjusted.	Adjust the squelch to threshold or to the point where noise just disappears. Further adjustment of the squelch control may eliminate incoming signals.
The USA/INTL/CAN modes do not function.	Proper operation not followed.	Hold down the **16/9** key and press the **WX** key.
Rotating the squelch control does not eliminate background noise.	Low battery.	Charge battery. Refer to section 5 of this manual.
Cannot change any function.	Lock key is on.	Turn Lock key off.
Lock key does not function.	Proper operation not followed.	Hold down for 1 second.
LED on CCA250 or CWC230 does not light when charging a battery.	Defective battery, CCA250 or CWC230.	Contact your SCC dealer or SCC for servicing.

Standard Communications

Standard Communication Corp.
P.O. Box 92151
Los Angeles, CA 90009-2151
Telephone 310/532-5300

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THE APPLICANT HAS BEEN CAUTIONED AS TO THE FOLLOWING:

15.21 INFORMATION TO USER.

The users manual or instruction manual for an intentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.27(a) SPECIAL ACCESSORIES.

Equipment marketed to a consumer must be capable of complying with the necessary regulations in the configuration in which the equipment is marketed. Where special accessories, such as shielded cables and/or special connectors are required to enable an unintentional or intentional radiator to comply with the emission limits in this part, the equipment must be marketed with, i.e. shipped and sold with, those special accessories. However, in lieu of shipping or packaging the special accessories with the unintentional or intentional radiator, the responsible party may employ other methods of ensuring that the special accessories are provided to the consumer, without additional charge.

Information detailing any alternative method used to supply the special accessories for a grant of equipment authorization or retained in the verification records, as appropriate. The party responsible for the equipment, as detailed in § 2.909 of this chapter, shall ensure that these special accessories are provided with the equipment. The instruction manual for such devices shall include appropriate instructions on the first page of text concerned with the installation of the device that these special accessories must be used with the device. It is the responsibility of the user to use the needed special accessories supplied with the equipment.