



Installation Manual

SC-100
SC-200
SC-300/350
SC-600

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ATTENTION:

When operating the Safety-Comm. ®, do not spin or twist the gooseneck microphone.

The gooseneck may be moved from side-to-side or up-and-down. However, twisting the gooseneck 360 degrees or more may damage the cabling within the microphone assembly.

This type of damage to the Safety-Comm.® is not covered under the standard warranty.

ATTENTION DESIGNERS:

A 3.00" to 3.50" diameter hole will accommodate the SC-100 and SC-350 without the use of an adapter.

NOTE:

The Safety-Comm. ® must be mounted in a barrier sufficient to prevent sound from traveling from the outside speaker back into the gooseneck (source) microphone.

Failure to mount the Safety-Comm.® in a adequate barrier will result in feedback and other sound-related problems.

MODEL: SC-100 AC

INSTALLING MODEL #SC-100™

- Step**
1. With the tool provided, remove the four (4) tamper-resistant screws (1) located on the control plate.
 2. Gently pull on the gooseneck to separate the control plate assembly from the main housing.
 3. Remove cable harness connecting the outside plate and the control-plate assembly.
 4. With a hollow-shaft nut driver (not included), remove the #8-32 mounting nuts (2) as shown. This will allow you to separate the outside plate from the main housing.
 5. Remove the outside plate from the main housing unit and throw away the plastic (or aluminum) spacers.
 6. Align the outside plate over the opening in the barrier.
 7. From the inside, reinstall the main housing unit on the bolts (2) indicated in step 4 above. Reconnect the cable from the outside plate to the control plate assembly. See wiring diagram.
 8. Reattach the control plate to the main housing units with the four (4) tamper-resistant screws (1).

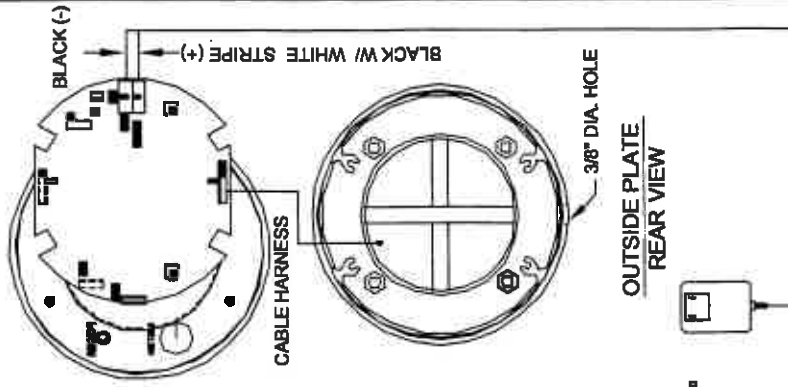
IMPORTANT NOTE:

MIN. 3.0" - MAX. 3.5" DIA. HOLE IS REQUIRED IN BARRIER.

TOOLS REQUIRED

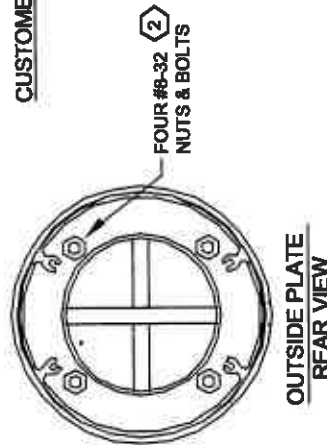
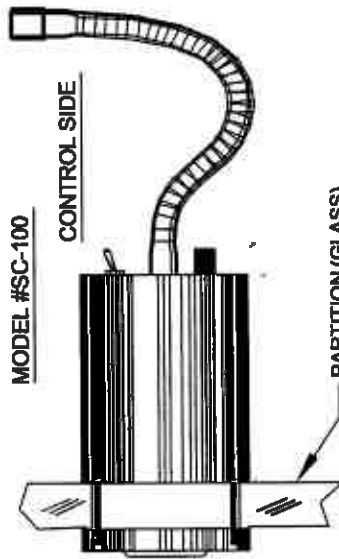
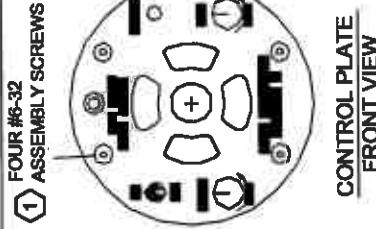
- (1) 11/32" HEX NUT DRIVER WITH HOLLOW SHAFT
- (2) 5/64" HEX KEY (INCLUDED WITH SC-100 UNIT)
- (3) 1/8" TIP WIDTH SCREW DRIVER

WIRING DIAGRAM REAR VIEW OF CONTROL PLATE



AC ADAPTER
SIDE VIEW

AC ADAPTER
BOTTOM VIEW

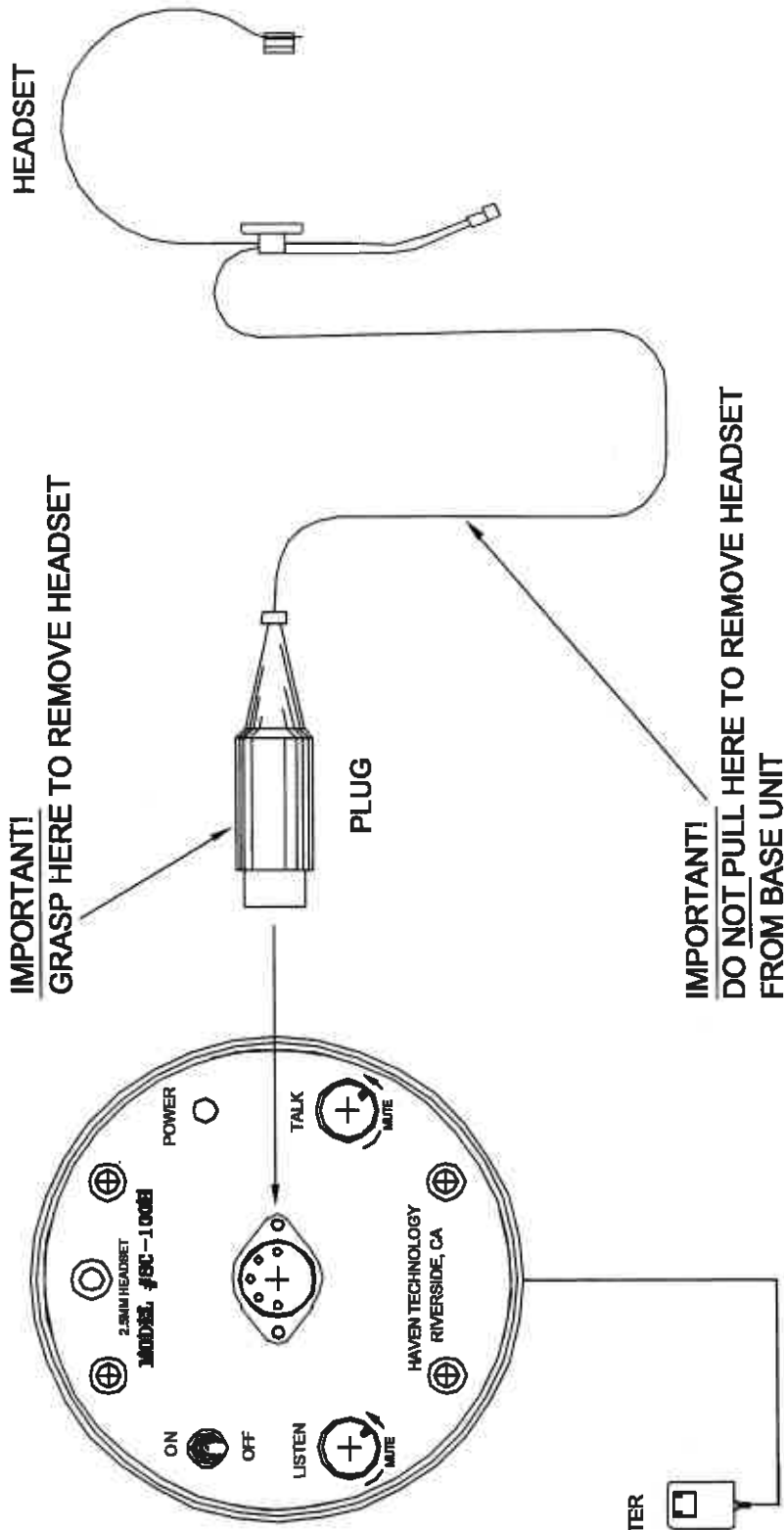


ADJUSTING MODEL #SC-100™

1. Turn "power" switch off.
2. Make sure the AC adapter is plugged in.
3. Turn "power" switch on. The green LED will illuminate.
4. Adjust "listen" and "talk" controls to the desired level. [Note: Ideal speaking distance for the customer-side (outside) plate is 4" to 8" away. Ideal speaking distance from the gooseneck microphone is 3" to 5"].

REVISION A	PA	TITLE
REVISION B	3/25/01	SAFETY-COMM # SC-100 INSTALLATION
REVISION C		
REVISION D	B	
DRAWN BY:		SHEET: OF:
DATE:		DRAWING NO: 5308B
SHOP ORD #		
DRAWING SIZE		

MODEL: SC-100 H



NOTE: SEE PAGE 3 FOR WIRING DIAGRAM

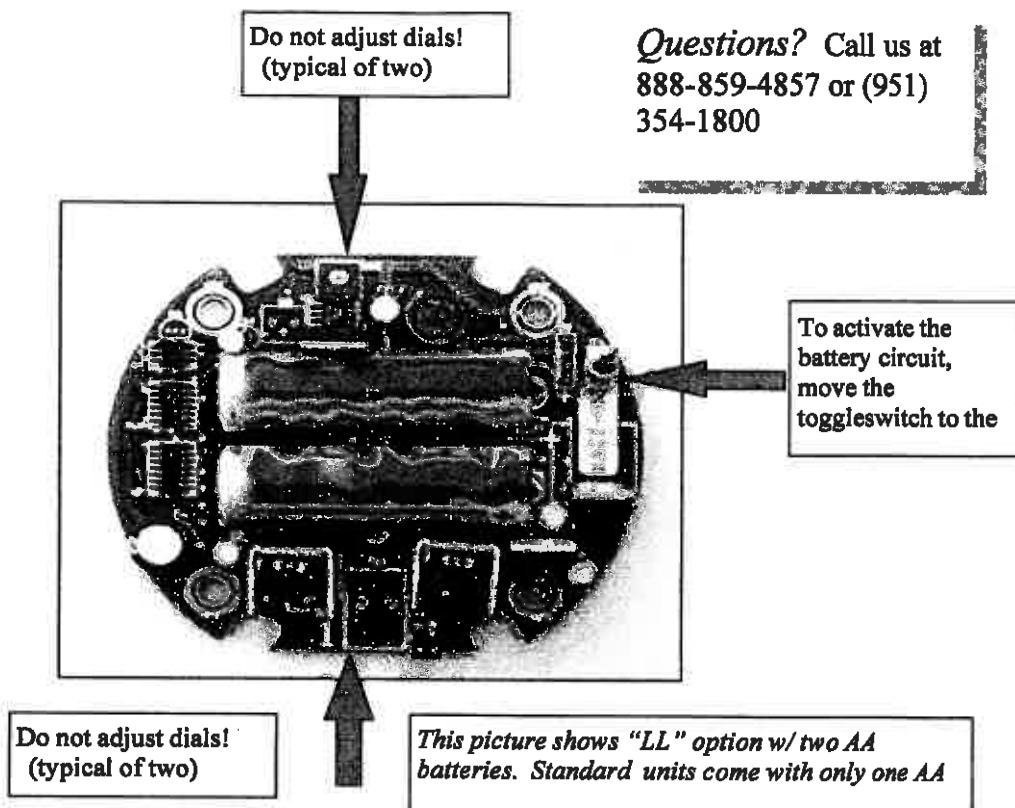
TITLE		DATE		DRAWN BY:		REV	
HEADSET & CHARGER INSTALLATION FOR SC-100H		8-4-02		PA		REV.E	REV.F
DRAWING NO: 53788		SHOP ORD.#		DRAWING SIZE		REV.G	REV.H
SHEET: OF:		DRAWING SIZE		DRAWING NO:		REV.I	REV.J

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SC-100L Battery Start-Up Procedures



PLEASE READ BEFORE USING FOR THE FIRST TIME.

1. Locate the toggle switch on the battery circuit card and switch it to the "on" position.
2. Replace the electronics/gooseneck assembly back into the housing. Make sure the interconnect cable is attached.
3. Charge the unit for 6 hours prior to first use on battery power.
4. Refer to the Battery Unit Preparation document for more details.



NOTE: set volume control knobs to "3:00" position before beginning.

Safety-Comm.® Field Calibration

Questions?

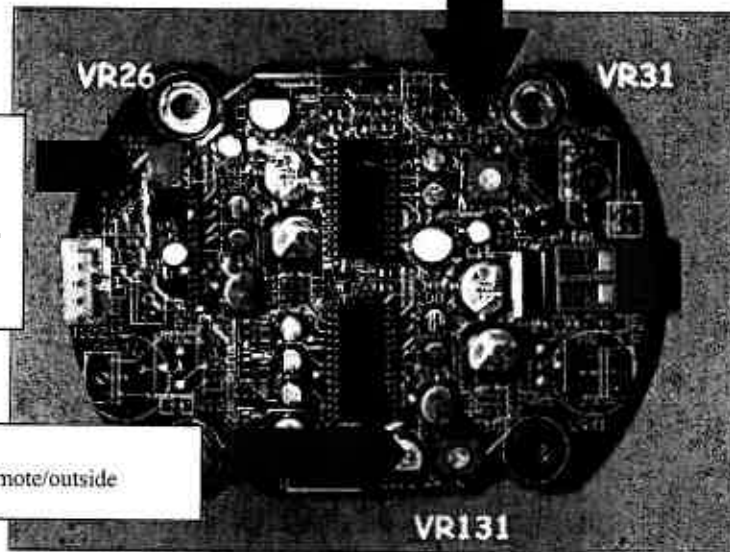
Call: (951) 354-1800

VR31 "master" or inside

VR26 gooseneck dominance.

DO NOT ADJUST! CONSULT THE FACTORY PRIOR TO ADJUSTMENT.

VR131 remote/outside



Symptom: conversation is "clipped"; conversations are cut short.

Solution: **FIRST: NOTE ORIGINAL POSITION OF THE POTENTIOMETERS.** if inside operator's (IO) conversation is clipped, increase IO's microphone sensitivity by turning R31 one (1) notch clockwise.

if outside operator's (OO) conversation is clipped, increase OO's microphone sensitivity by turning R131 one (1) notch clockwise.

Repeat if necessary.

NOTE: R31 and R131 are "balanced". Therefore, decreasing one microphone will have the same effect as increasing the other (it's all relative).

The control assembly must be placed back into the housing to perform correctly. Otherwise, feedback may occur.

"Inside Operator": gooseneck side (SC-100; SC-300); or circuit board side.

VR26 if adjusted clockwise, will allow the gooseneck/master side mic to dominate the outside microphone. If increased too much, the outside/remote will not be heard at all. Default position is at the 10:00 position