

TECHNICAL BULLETIN

#100 July 15, 1997

SMALLTALK® VOICE PROJECTION UNIT, SPEAKER GRILL RE-ATTACHMENT

This Technical Bulletin provides the procedure necessary to re-attach the speaker grill of Survivair SmallTalk Voice Projection Units. The speaker grill is designed to be removable to allow access to the speaker and electronics for repair. Occasionally, the speaker grill may inadvertently come loose. Follow the procedures outlined in this technical bulletin to re-attach the speaker grill. Affected units are the 961638 SmallTalk Amplifier sold in Kits 961608 and 961623. If the speaker grill is lost or damaged, it can be replaced by ordering part number 961663, Speaker Grill, SmallTalk, through your local Survivair distributor.

SAFETY PRECAUTIONS

The Warnings, Cautions, and Notes contained in this bulletin have the following significance:

*****WARNING*****

Maintenance or operating procedures and techniques that will result in personal injury or death if not carefully followed.

CAUTION

Maintenance or operating procedures and techniques that will result in damage to equipment if not carefully followed.
--

NOTE

Maintenance or operating procedures and techniques or information considered important enough to emphasize.

Follow the procedures below to re-attach the SmallTalk speaker grill.

Disassembly and Inspection

1. Remove the SmallTalk Amplifier from the facepiece.
2. Open the battery compartment door and remove the battery. Set the battery aside for later re-installation. Close the battery compartment door.

*****WARNING*****
<ul style="list-style-type: none">• Always wear proper protection when performing cleaning operations.
<ul style="list-style-type: none">• Always perform cleaning in a well ventilated area.
<ul style="list-style-type: none">• When using isopropyl alcohol as a cleaner, DO NOT expose to an ignition source, and use only small quantities at a time.

NOTE

Do not use solvents to remove old adhesive from the speaker grill or amplifier housing.

3. Inspect, clean, and remove all adhesive and lubricant residue from the speaker grill, especially in the speaker grill groove.
4. Inspect, clean, and remove all adhesive and lubricant residue from both the speaker and housing.

Reassembly

CAUTION
DO NOT <u>OVERFILL</u> the speaker grill groove with adhesive. Excess adhesive may interfere with proper operation of the speaker.

NOTE

The silicone adhesive used to re-install the speaker grill is Dow Corning RTV 732 or Dow Corning RTV 737. It is available through your local adhesive supply dealer or from Survivair. The adhesive comes in 3.0 oz. tubes.

1. Apply a continuous bead (approximately 1/8 in.) of adhesive in the bottom of the speaker grill groove. Assure that the adhesive bead extends 360° around the groove.
2. Align the notch in the amplifier housing with the mating bump in the speaker grill groove.

3. Firmly press the speaker grill onto the amplifier housing. Wipe excess adhesive from the amplifier housing.
4. Place a rubber band around the mounted speaker grill to hold it in place, and allow the adhesive to cure for 24 hours.
5. Pull on the speaker grill to ensure that the adhesive has bonded. If the cover pulls off, repeat the disassembly and reassembly procedures.
6. Install the battery, install the amplifier onto the facepiece, and test per the SmallTalk Voice Projection Unit users instructions.