b. **Installation.**

(1) Visually inspect mounting bracket and voice amplifier for heat damage, cracks, discoloration, cuts, or abrasions. If damage is noted, replace as required.

(2) Inspect mounting bracket and voice amplifier for cleanliness. If dirt or other foreign matter is found, clean IAW paragraph 4.7.2.

**CAUTION**

Applying fresh water to exterior flap and mounting bracket will aid in assembly of these components. To avoid equipment damage, commercial lubricants must not be used in assembly of facepiece components.

(3) Spread apart mounting bracket (2, Figure 6-25) and place over right side (as worn) exterior flap (1). Ensure hole in screw tab (4) is positioned over threaded insert in lower bezel.

(4) Ensure mounting bracket is completely seated over exterior flap.

(5) Thread short screw (5) through hole in screw tab and into threaded insert in lower bezel.

(6) Tighten short screw (5) using No. 1 cross-tip screwdriver. Do not overtighten.

(7) Using No. 1 cross-tip screwdriver, install long screw (3) into mounting bracket. Do not overtighten.

(8) Align voice amplifier (2, Figure 6-24) with mounting bracket and turn CW until locking lever (1) engages.

**WARNING**

Failure to successfully perform a negative-pressure check may allow exposure to hazardous substances, resulting in serious personal injury or death.

(9) Perform negative-pressure check IAW paragraph 6.6.3

### 6.7.2.2 EPIC Voice Amplifier Removal and Installation

**Tools, Parts, and Materials.**

- Screwdriver, cross-tip, No. 1
- Water, fresh
- EPIC Voice Amplifier
- Batteries, non-rechargeable, size AAA, 3 - Hazardous Material

a. **Removal.**

(1) Lift locking lever (2, Figure 6-26) and rotate voice amplifier (1) CW to remove.
Figure 6-26. Voice Amplifier Removal.

(2) Using No. 1 cross-tip screwdriver, remove long screw (4, Figure 6-27). Set aside for installation.

Figure 6-27. AV-3000® Mounting Bracket for EPIC Voice Amplifier.

(3) Using No. 1 cross-tip screwdriver, remove short screw (2) from screw tab (1). Set screw aside for installation.

(4) Separate mounting ring (5) and mounting bracket (3) and remove from exterior flap.

b. Installation.
(1) Visually inspect mounting ring, mounting bracket, and voice amplifier for heat damage, cracks, discoloration, cuts, or abrasions. If damage is noted, replace as required.

(2) Inspect mounting ring, mounting bracket and voice amplifier for cleanliness. If dirt or other foreign matter is found, clean IAW paragraph 4.7.2.

**CAUTION**

Applying fresh water to exterior flap and mounting bracket will aid in assembly of these components. To avoid equipment damage, commercial lubricants must not be used in assembly of facepiece components.

(3) Spread apart mounting ring (5, Figure 6-27) and place over right side (as worn) exterior flap. Ensure hole in screw tab is positioned over threaded insert in lower bezel.

(4) Attach mounting bracket (3) onto exterior flap, pressing down while turning CW. Ensure mounting bracket is completely seated over exterior flap. Mounting bracket is correctly seated on mounting ring when the three alignment bars on both mounting bracket and mounting ring are aligned. See Figure 6-28.

![Figure 6-28. Three Alignment Bars on Mounting Bracket and Mounting Ring.](image)

(5) Thread short screw (2, Figure 6-27) through hole in screw tab (1) and into threaded insert in lower bezel.

(6) Tighten short screw (2) using No. 1 cross-tip screwdriver. Do not overtighten.

(7) Using No. 1 cross-tip screwdriver, install long screw (4) into mounting bracket. Do not overtighten.

(8) Install three non-rechargeable size AAA batteries in the voice amplifier as follows:

   (a) Using No. 1 cross-tip screwdriver on screw (1, Figure 6-29) on battery door at top of voice amplifier, turn CCW to loosen. Lift open the hinged door.
NOTE

Do not mix old and new batteries or batteries from different manufacturers. Use of rechargeable batteries is prohibited by Scott®. Using batteries other than those specified in Table 7-5 will void the intrinsic safety listing of the voice amplifier.

(b) Insert the batteries into the battery compartment, ensuring the orientation of the polarity of the top ends of the batteries inserted matches the polarity marked on the outside of the battery compartment. See Figure 6-30.

(c) Close the battery door. Using a No. 1 cross-tip screwdriver, turn the battery door screw CW to tighten until snug, but do not overtighten.

(9) Align voice amplifier (1, Figure 6-26) with mounting bracket and turn CCW until locking lever (2) engages.
**WARNING**

Failure to successfully perform a negative-pressure check may allow exposure to hazardous substances, resulting in serious personal injury or death.

(10) Perform negative-pressure check IAW paragraph 6.6.3

6.7.2.3 **Head Harness Removal and Installation.**

a. **Removal.**

(1) Position finger under detent (2, Figure 6-31) and lift temple snap (1) from receptacle. Repeat for other side.

![Figure 6-31. AV-3000® Temple Snap.](image)

**NOTE**

Temple and neck strap buckles are integrated on the facesal.

(2) Push down on roller bar (3, Figure 6-32) of temple strap buckle (1) and feed folded tab (2) of temple strap back through portion of temple strap buckle above roller bar.

![Figure 6-32. Remove Head Harness Temple Strap.](image)

(3) Push up on roller bar and feed folded tab of temple strap back through portion of temple strap buckle below roller bar.

(4) Repeat steps b.(2) and b.(3) for other temple strap and two neck straps.

b. **Installation.**

(1) Visually inspect head harness for heat damage, cracks, discoloration, cuts, or abrasions. If damage is noted, replace as required.
(2) Inspect head harness for cleanliness. If dirt or other foreign matter is found, clean IAW paragraph 4.7.2.

(3) To install temple or neck strap within head net, lay head net on flat surface with temple snaps (1, Figure 6-33) facing down.

![Figure 6-33. Position Head Net and Strap.](image)

**NOTE**

Neck strap is slightly longer than temple strap.

(4) With folded tab (4) of neck strap facing down, thread neck strap through bottom-most pocket (3).

**NOTE**

When installing temple strap to head net, two adjustment positions are available. Use the lower of the two positions as shown in Figure 6-33.

(5) With folded tab of temple strap facing down, thread temple strap through lower empty pocket (2).

(6) Lay head harness on facepiece so that temple snaps are in position over snap receptacles.

(7) Lift up on roller bar (2, Figure 6-34). With folded tab (3) facing downward, feed temple strap under roller bar. Ensure temple strap has enough slack for threading back through buckle (1).
(8) Slide roller bar down to meet temple strap, feed temple strap back over roller bar through buckle. Folded tab will now face up.

(9) Pull folded tab through to tighten.

(10) Repeat steps c.(7)-c.(9) for remaining temple strap and two neck straps.

(11) Secure temple snap (1, Figure 6-31) onto temple receptacle by positioning temple snap over receptacle. Starting on side of temple snap opposite the detent (2), roll thumb toward detent until temple snap engages. Repeat for other temple snap.

**WARNING**

Failure to successfully perform a negative-pressure check may allow exposure to hazardous substances, resulting in serious personal injury or death.

(12) Perform negative-pressure check IAW paragraph 6.6.3.

**6.7.2.4 Nosecup Assembly Removal and Installation (2002 Edition Facepiece)**

**NOTE**

This procedure deals with 2002 Edition AV-3000® facepieces that use a retaining ring in the nosecup assembly. For 2007 edition AV-3000® facepieces with a one-piece nosecup, follow procedures in paragraph 6.7.2.5.

a. **Removal.**

**NOTE**

Head harness does not have to be removed to remove nosecup assembly.

(1) Position head harness out of way.

**CAUTION**

The following removal and installation procedures must be performed by hand, without using any tools. Using tools to pry or pull components may damage rubber parts.

(2) From outside facepiece, use thumb to dislodge retaining ring (3, Figure 6-35) from adapter port (2) and nosecup assembly (1).
(3) From inside facepiece, separate nosecup assembly (1, Figure 6-36) from voicemitter duct groove (2).

Figure 6-35. Retaining Ring Removal.

(4) Carefully pull nosecup assembly to remove from other voicemitter duct groove.

b. Installation.

(1) Visually inspect nosecup assembly for heat damage, cracks, discoloration, cuts, or abrasions. If damage is noted, replace as required.

(2) Inspect nosecup assembly for cleanliness. If dirt or other foreign matter is found, clean IAW paragraph 4.7.2.

(3) Insert nosecup assembly (3, Figure 6-37) into facepiece. Fit tabs (2) of nosecup assembly into cutouts of adapter port (1).

Figure 6-36. Remove AV-3000® Nosecup Assembly.
Figure 6-37. Align Tabs with Cutouts.

(4) Ensure nosecup assembly is fully seated in adapter port and is not distorted.

(5) From inside facepiece, firmly seat small diameter of retaining ring (3, Figure 6-35) into nosecup assembly as shown in Figure 6-38. Ensure retaining ring fully seats in groove of nosecup assembly.

Figure 6-38. Install Retaining Ring.

(6) Install nosecup assembly (1, Figure 6-36) into voicemitter duct groove (2). Repeat to install in other voicemitter duct groove.

(7) Verify nosecup assembly (1, Figure 6-39) is not distorted. Ensure bottom of nosecup assembly is behind chin pocket (2).
Figure 6-39. 2002 Edition AV-3000® Nosecup Assembly Behind Chin Pocket.

**WARNING**

Failure to successfully perform a negative-pressure check may allow exposure to hazardous substances, resulting in serious personal injury or death.

(8) Perform negative-pressure check IAW paragraph 6.6.3.

6.7.2.5 **Nosecup Removal and Installation (2007 Edition Facepiece).**

**NOTE**

This procedure deals with 2007 Edition AV-3000® facepieces that use a one-piece nosecup. For 2002 Edition AV-3000® facepieces with a nosecup assembly, follow procedures in paragraph 6.7.2.4.

a. **Removal.**

**NOTE**

Head harness does not have to be removed to remove nosecup.

(1) Position head harness out of way.

**CAUTION**

The following removal and installation procedures must be performed by hand, without using any tools. Using tools to pry or pull components may damage rubber parts.

(2) From outside facepiece, use thumb to push in and disconnect nosecup (1, Figure 6-40) from facepiece tab (2) on both sides of facepiece.
(3) From inside facepiece, separate nosecup (1, Figure 6-41) from voicemitter duct (2).

(4) Carefully pull on nosecup to remove from other voicemitter duct groove.

(5) Remove nosecup from facepiece.

b. Installation.

(1) Visually inspect nosecup for heat damage, cracks, discoloration, cuts, or abrasions. If damage is noted, replace as required.

(2) Inspect nosecup for cleanliness. If dirt or other foreign matter is found, clean IAW paragraph 4.7.2.

(3) Insert nosecup into facepiece. Fit tabs (2, Figure 6-42) of nosecup into cutouts (1) of adapter port.