

# AERP DONNING CHECKLIST

## USE BUDDY SYSTEM

**NOTE:**

The AERP system is ready when blower batteries, filters and intercom unit battery are installed, and suspension straps are sized/adjusted for use.

**Step 1:** (Optional) **Don Cotton Underwear**

**Step 2: Don Cotton Glove Inserts.** Spot tape with arms in the raised position to maintain garment overlap and not to seal.

**Step 3: Don Butyl Gloves.**

**Step 4: Don Nomex Gloves.**

**Step 5: Don CWU-66/P.** Annotate date and time on garment label prior to donning. Fasten wrist tabs. Zip zipper only half way up.

**Step 6: Don Flight Boots.** Close CWU-66/P leg zippers. Secure Velcro at ankles.

**Step 7: Don AERP Equipment:**

**WARNING**

Ensure crossover valve is in the horizontal position prior to donning the AERP system.

**7a. Connect Blower to Pigtail Adapter,** turn on blower, and adjust airflow rate as required.

**7b. Invert Mask** and hold the hood apron open.

-- Place both hands in mask and spread neckdam open.

-- Insert head into hood, and pull over head.

-- Hold mask against face; ensure neckseal is not obstructed.

**7c. Tighten Hood Adjustment Straps,** smooth hood apron over the CWU-66/P. Close zipper fully.

**Step 8. Don Helmet.**

**Step 8a. Helmet Version:** Refer to Figure 1.

-- Don helmet, ensure nape strap does not twist.

-- Connect chinstrap.

-- Insert mask bayonets into receivers. Ensure tear away beads are on bottom of mask straps.

-- Connect communication cord.

**Step 8b. Non-Helmet Version:** Refer to Figure 2.

-- Don mask harness assembly.

-- Connect side release buckle. Ensure tear away beads are on bottom of mask straps.

-- Tighten hood adjustment straps.

-- Don head set.

-- Connect communication cord to head set.

-- Proceed to step 9.

**Step 9: Don Aircrew Life Support Equipment:**

-- Don/Fit Aircrew Body Armor. (if required)

-- Don/Fit Life Preserver (if required)

-- Don/Fit Survival Vest. (if required)

-- Parachute/Harness. (if required)

**Step 10: Non-Parachute/Harness Use:** Refer to Figure 1.

-- Don suspension straps and manifold.

-- Pass one strap over left shoulder, around back, under right arm, attach hooks to manifold.

-- Pass a strap around torso and fasten to manifold. Position manifold as seen in figure 1. Secure communication unit.

**10a: Test mask for leakage on MQ-1**

**Step 11: Parachute/Harness Use:**

-- Attach manifold to oxygen mask mounting bracket and secure communication unit.

**Step 12: Secure Blower Assembly:** Connect one end of the strap to the bracket, pass strap around the waist and connect to the bracket.

**Step 13: Don Overboots and Overcape:** (if required) prior to leaving shelter/aircraft.

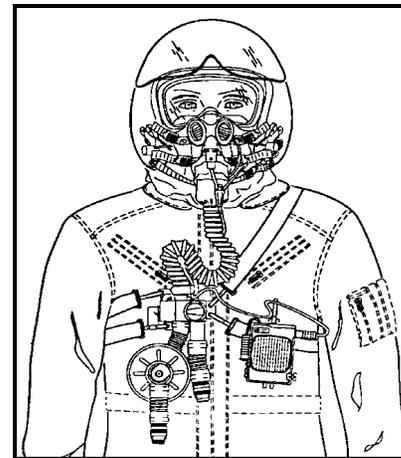


Figure 1

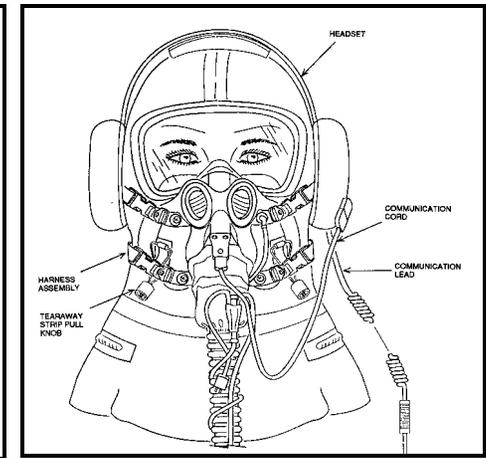


Figure 2

### Aircraft Integration:

- Step 1:** Disconnect and stow intercom unit.
- Step 2:** Remove and stow blower suspension strap.
- Step 3:** Place blower in bracket and attach power cord.
- Step 4:** Test Mask IAW flight manual if not already accomplished.

### O<sub>2</sub> Flight Mode

- Step 1:** Place aircraft regulator in Emergency setting, rotate crossover valve to vertical, hold breath, disconnect blower from pigtail and attach aircraft supply O<sub>2</sub> hose to pigtail. Refer to Figure 3.
- Step 2:** Attach blower hose to the demist hose connector and turn blower to the highest setting.
- Step 3:** Close eyes tightly, rotate manifold valve to the vertical position, and keep eyes closed for 10 seconds to allow the proper mask venting.
- Step 4:** Set aircraft regulator to the desired setting.
- Step 5:** Adjust blower air flow rate as desired.
- Step 6:** Plug communication cord into aircraft communications plug jack.
- Step 7:** Connect emergency O<sub>2</sub> hose, as required.

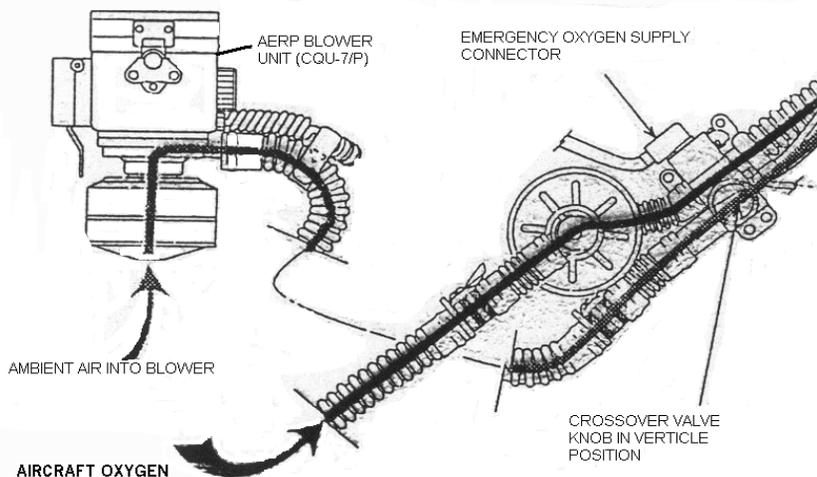


Figure 3.

### Non-O<sub>2</sub> Flight Mode

- Step 1:** Remove and stow suspension straps.
- Step 2:** Place blower in bracket. Plug in blower power cord.
- Step 3:** Plug communication cord into aircraft communications jack.
- Step 4:** Adjust blower air flow rate as desired.
- Step 5:** Connect emergency O<sub>2</sub> hose, as required.

### Normal Exit

- Step 1:** Disconnect emergency O<sub>2</sub> hose, and mask's communication cord from aircraft's communication jack. Re-connect communication unit.
- Step 2:** Place mask into non-O<sub>2</sub> mode as follows:
  - Hold breath & disconnect hose from aircraft O<sub>2</sub> supply.
  - Disconnect blower from demist hose connector & connect to pigtail adapter (resume breathing).
  - Turn crossover valve to the horizontal position. Refer to Figure 4.
  - Disconnect blower power cord & remove blower from bracket.
  - Have partner connect suspension strap to blower, route strap around your waist and connect the second strap to the blower bracket.

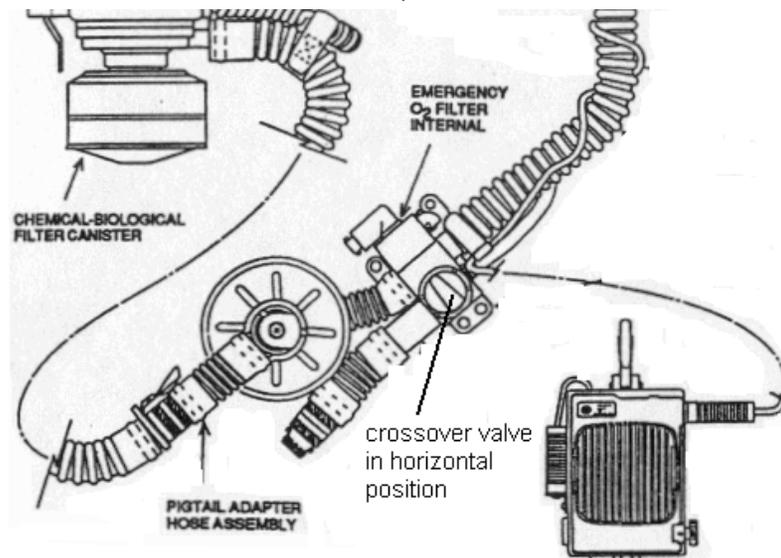


Figure 4.