

507 OSF- 185 ARS AERP DONNING CHECKLIST

06062011

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.

- A. Rotate Crossover to the horizontal position (**RED DOT**).
- B. Spin Canisters to Manifold and Blower, ensure gaskets are present.
- C. Attach Pigtail to Manifold Canister and lock.
- D. Attach blower hose to pigtail adapter assembly (**RED TAPE**), turn blower assembly on.

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. (**RED DOT**)

- 7a. Ensure to turn on the Blower and adjust the air flow.
- 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.

- 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 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)

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 the Scott tester

Step 11. Secure Blower Assembly: Connect one end of the strap to the bracket, pass strap around the waist and connect to the bracket.

Step 12. Don Overboots and Overcape: (if required) prior to leaving shelter/aircraft.



Figure 1

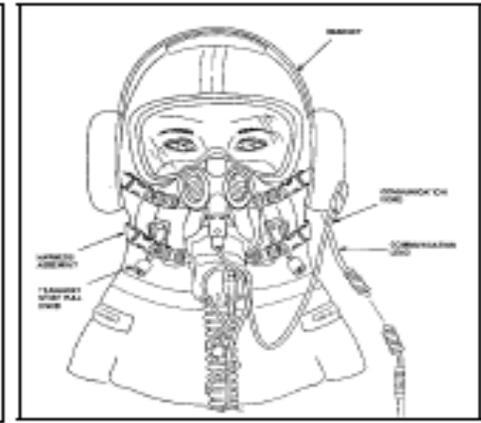


Figure 2

507ARW VA 11-301, 0606201, Certified Current on 14 August 2013 **OPR:** 507 OSF/OSL

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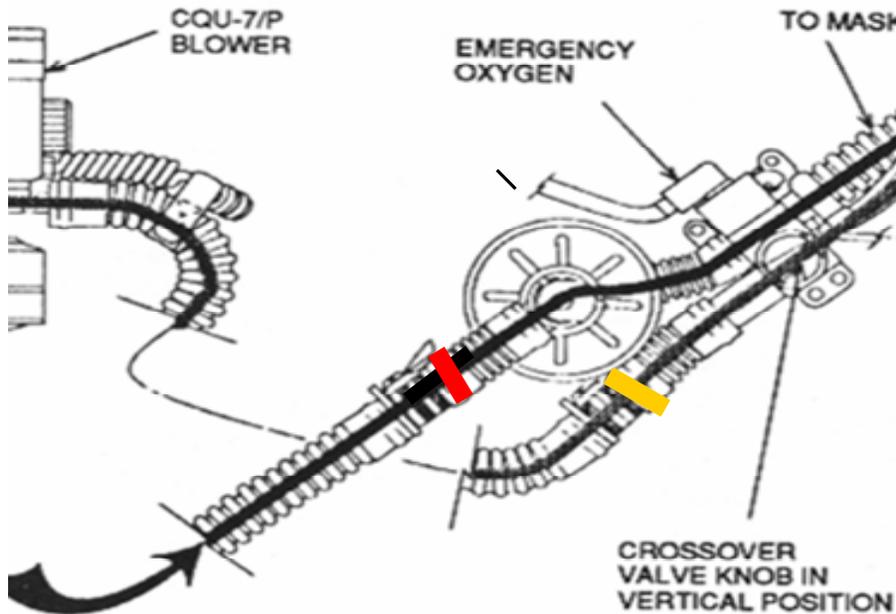
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Aircraft Integration:

- 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.

O₂ Flight Mode

- Step 1. Place aircraft regulator in Emergency setting, rotate crossover valve to vertical (**YELLOW DOT**), hold breath, disconnect blower from pigtail (**RED TAPE**) and attach aircraft supply O₂ hose to pigtail (**RED TAPE**). Refer to Figure 3.
- Step 2. Attach blower hose to the demist hose connector (**YELLOW TAPE**) and turn blower to the highest setting.
- Step 3. Close eyes tightly, rotate manifold valve to the vertical position (**YELLOW DOT**), 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 O₂ hose, as required.



MBU-19/P OXYGEN FLIGHT OPERATING MODE

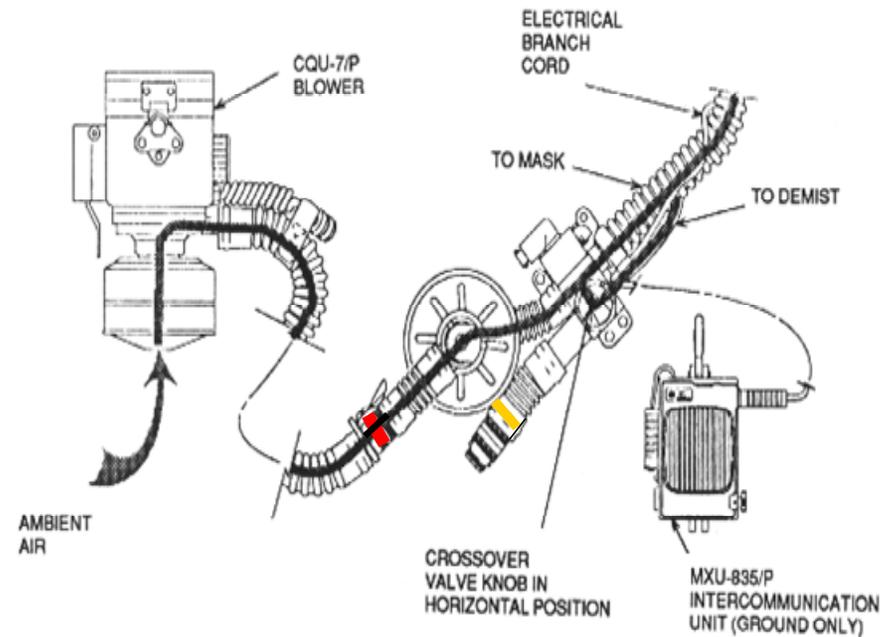
Figure 3

Non-O₂ 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.

Normal Exit

- Step 1. Disconnect mask's communication cord from aircraft's communication jack. Re-connect communication unit.
- Step 2. Place mask into non-O₂ mode as follows:
 - Hold breath & disconnect hose from aircraft O₂ supply.
 - Disconnect blower from demist hose connector & connect to pigtail adapter (resume breathing).
 - Turn crossover valve to the horizontal position (**RED DOT**). 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.



MBU-19/P GROUND OR NON-OXYGEN FLIGHT OPERATING MODE

Figure 4