

# AIRCRAFT SURVIVAL KITS

by Bob Hull, New York Wing

## 1. COMPLETE SURVIVAL KITS ARE IN THE AIRCRAFT

- Kits are designed to support 3 person crew for 3-4 days with food, water, medical and a variety of signal equipment.
- The aircraft survival kits are strictly for emergency use only, they are sealed and should not be used for any routine problems. They are **not** general purpose first aid kits
- An inventory of the Aircraft Survival Kit contents is attached
- Remember, the actual aircraft you fly in on a mission may **not** have any survival supplies.

## 2. EACH CREW MEMBER SHOULD MAINTAIN A BASIC SURVIVAL KIT, SOME ITEMS TO CONSIDER IN ADDITION TO THE AIRCRAFT KIT ITEMS ARE:

- Flashlight & spare batteries
- Aircrew Survival Knife (6" blade)
- Additional water (12 oz.)
- Additional high energy food bars
- Portable Aircraft radio
- Hand held GPS Receiver
- Cell Phone & spare battery
- Aspirin, bandaids, etc.
- Air Sickness bags

Firearms, although a good signal and survival item are prohibited on CAP aircraft, except in Alaska. The other exception is transporting a police officer on an official mission.

## 3. DRESS ACCORDING TO WEATHER CONDITIONS

- Consider weather conditions a day or two ahead.
- High boots (combat type) minimize ankle and lower leg injuries both in a crash and when traveling on foot.
- Don't leave gloves, hat and coat behind.

# AIRCREW SURVIVAL PROCEDURES

## 1. PRE-FLIGHT

- UNDERSTAND SURVIVAL BASICS  
Military manuals (FM21-76, AFP 64-5[now 36-2246]) literature & CAP Squadron training (shelter building, fire starting, compass training, etc.)
- WEAR APPROPRIATE CLOTHING  
Don't leave gloves, hats & coats behind, know weather forecast.
- CHECK AIRCRAFT and PERSONAL SURVIVAL SUPPLIES BEFORE LEAVING
- HAVE A FLIGHT PLAN SO SOMEONE WILL KNOW IF YOU DO NOT RETURN ON TIME. MAKE SURE COURSE AND DESTINATION IS KNOWN.

## 2. IN-FLIGHT EMERGENCY

- ATTEMPT TO MAKE RADIO CONTACT  
Begin radio transmissions at highest possible elevation  
VHF range: 5nm@gnd, 40nm@1000' AGL, 125nm@10,000' AGL  
If no answer on ATC channel, use 121.5  
Transmit MAYDAY (distress) or PAN-PAN (urgency) if appropriate.  
Know your location - check GPS  
Set Transponder to: 7700 (Emergency), 7600 (Lost Communications), or 7500 (Hijack)  
Use CAP VHF radio on channel 5 (will key all repeaters)  
Cell phones will also work but are better at lower elevations.
- PREPARE FOR HARD/CRASH LANDING - DON'T PANIC  
Seat belts & shoulder harness secure  
Doors unlatched and slightly open  
Secure any loose items that may become airborne  
Know where emergency equipment is located  
If visibility permits, evaluate the landing area while airborne
  - a. any clearings
  - b. nearby fresh water or lake
  - c. any civilization or roads nearbyBe prepared to exit quickly if fire or the potential for fire exists

### **3. AFTER LANDING**

- **DON'T PANIC, REMAIN CALM**  
Size up the situation. Proper mental attitude will keep you alive.
- **TREAT ANY SERIOUS MEDICAL PROBLEMS**
- **MAKE SURE ELT IS OPERATING**  
Repair antennas if necessary (24" antenna or wire for 121.5 MHz)  
Check Aircraft Radios and Cell phones. Minimize battery use.
- **INVENTORY ALL ASSETS**  
Survival Kits, fuel, radios, food, paper, a/c parts etc. EVERYTHING!
- **PREPARE A PLAN - THINK LOGICALLY**  
Review Survival Manuals  
Stay with aircraft, especially if ELT and radios are working.  
Travel only if survival chances are much better elsewhere.  
Much greater energy will be expended traveling (more food & water)  
Set up Shelter ( aircraft body, under wings, caves, etc.)  
Set up a Signal plan (fire, smoke, flares, signal panels, etc.)  
Set up a Communication plan. How often to use radio, batteries, etc.  
Look for additional sources of water (much more important than food)  
Don't try to travel at night  
Work and stay as a team
- **FOLLOW PLAN AND WAIT FOR HELP TO ARRIVE**  
Never give up hope!  
Do not think negatively  
Do things to improve the situation  
Help is on the way!

**CONTENTS, SURVIVAL KIT, AIRCRAFT, 1-4 PERSON (WT. 12.4 LB.)  
DEVELOPED BY WESTERN NEW YORK GROUP, CIVIL AIR PATROL**

1 EA CASE, RIGID, ORANGE, 13" x 8" x 9"  
3 EA BLANKET, SURVIVAL, ORANGE/SILVER, 96" X 56"  
1 EA MANUAL, USAF, AIRCREW SURVIVAL, 64-5  
1 EA COMPASS, USAF, AIR CREW SURVIVAL  
1 EA KNIFE, POCKET, USAF, 4 BLADE  
50 FT PARACHUTE CORD, 550#  
1 EA WHISTLE, W/ LANYARD  
1 EA MIRROR, 3"X5", USAF SIGNAL  
3 EA FLARES, AERIAL, USCG, RED  
2 EA LIGHTSTICK, GREEN, CYALUME, 12HR  
50 FT TAPE, MARKING, RED  
1 CS MATCHCASE, WATERPROOF W/ 20 MATCHES  
3 EA FUEL BAR, TRIOXANE  
2 EA FLARES, RED, 15 MIN.  
3 EA CANDLES, 10 HR  
1 EA PANEL, ORANGE, 36" x 36"  
1 EA WATER PURIFICATION TABLETS, 50's  
1 EA BAG, WATER, SURVIVAL, 5 QT.  
2 EA BAG, ZIPLOCK, 1 GAL.& 1 QT.  
12 EA WATER, SURVIVAL, 4.33 OZ.  
9 EA FOOD BAR, HIGH ENERGY, SURVIVAL  
4 EA SOUP PACKS  
8 OZ CANDY, HARD, SURVIVAL, 44 pcs  
4 EA TEA BAGS  
8 EA SUGAR  
20 EA GUM, CHEWING  
2 EA SNARE LINE, WIRE, 25'.  
1 EA KIT, FISHING, USAF  
1 EA FOIL, ALUMINUM, HD, 16" x 36"  
3 PK TISSUE / TOILET PAPER  
2 EA GLOVES, LATEX, DISPOSABLE  
2 EA LIPSTICK, ANTICHAP  
1 EA KIT, SNAKE BITE  
1 EA INSECT REPELLENT, 1 oz.  
1 EA EYE PROTECTIVE CUP  
2 EA POVIDONE-IODINE, 10%, 1 oz.  
8 EA APPLICATORS, COTTON TIP  
2 EA AMMONIA INHALANTS, 0.5ml  
20 EA ASPIRIN, TABLET, 325 mg.  
10 EA TYLENOL, CAPSULE, 500 mg  
10 EA COUGH, COLD & FLU TABLETS  
10 EA TOWELETTES, BENZAIKONIUM  
10 EA TOWELETTES, ALCOHOL  
1 EA TAPE, SURGICAL, 1" x 180"  
1 EA PAD, PEN, MATCHES, RAZOR BLADE  
2 EA BANDAGE, TRIANGULAR w/ 2 SAFETY PINS  
2 EA BANDAGE, CONFORMING GAUZE  
4 EA GAUZE SPONGE, 4" x 4"  
4 EA GAUZE PADS, 4" x 4"  
2 EA NON-ADHEAR PADS, 2" x 3"  
1 EA DRESSING, TRAUMA, 10" x 30"  
1 EA DRESSING, COMBINE, 8" X 7 1/2".  
12 EA BAND AIDS, ADHEASIVE, ASSORTED  
5 EA BUTTERFLY CLOSURE, MEDIUM  
6 EA SKIN CLOSURES, 1/2" x 4"  
8 EA TONGUE DEPRESSORS, WOOD

**SURVIVAL KIT, AIRCRAFT, 1-4 PERSON (WT. 12.4 LB.)      GENERAL INFORMATION ON CONTENTS**  
**DEVELOPED BY ESTERN NEW YORK GROUP, CIVIL AIR PATROL**

- 1 EA      CASE, RIGID, ORANGE, 13" x 8" x 9" *use as container for fuel or water, burn to produce black smoke*
- 3 EA      BLANKET, SURVIVAL, ORANGE/SILVER, 96" X 56" *use silver side to body, orange to signal*
- 1 EA      MANUAL, USAF, AIRCREW SURVIVAL, 64-5
- 1 EA      COMPASS, USAF, AIR CREW SURVIVAL *use as an aircraft compass or for movement or location at crash site*
- 1 EA      KNIFE, POCKET, USAF, 4 BLADE
- 50 FT      PARACHUTE CORD, 550# *use to secure shelter, as lanyards for knives & other items*
- 1 EA      WHISTLE, W/ LANYARD *use as ground signal*
- 1 EA      MIRROR, 3"X5", USAF SIGNAL *follow directions on mirror*
- 3 EA      FLARES, AERIAL, USCG, RED *follow directions on package, best to use when rescue team is in area*
- 2 EA      LIGHTSTICK, GREEN, CYALUME, 12HR *use to provide low level light source*
- 50 FT      TAPE, MARKING, RED *cut in strips to mark trails, etc.*
- 1 CS      MATCHCASE, WATERPROOF W/ 20 MATCHES *always keep dry*
- 3 EA      FUEL BAR, TRIOXANE *follow directions, use to cook or start fire.*
- 2 EA      FLARES, RED, 15 MIN. *use as ground to air signal when rescue aircraft is visible*
- 3 EA      CANDLES, 10 HR *use to provide light and heat*
- 1 EA      PANEL, ORANGE, 36" x 36" *use to signal or cut in strips to mark ground movements*
- 1 EA      WATER PURIFICATION TABLETS, 50's *use as directed, one tablet per quart*
- 1 EA      BAG, WATER, SURVIVAL, 5 QT. *use for water storage once a watersupply is found*
- 2 EA      BAG, ZIPLOCK, 1 GAL.& 1 QT. *use for food and warer storage*
- 12 EA      WATER, SURVIVAL, 4.33 OZ. *follow directions on containers*
- 9 EA      FOOD BAR, HIGH ENERGY, SURVIVAL *follow directions on package*
- 4 EA      SOUP PACKS *use to flavor treated water or for hot drink*
- 8 OZ      CANDY, HARD, SURVIVAL, 44 pcs
- 4 EA      TEA BAGS *use to flavor treated water or as a hot drink*
- 8 EA      SUGAR *use for flavoring*
- 20 EA      GUM, CHEWING
- 2 EA      SNARE LINE, WIRE, 25' *use for snaring per manual, for wire, replacement antenna, etc.*
- 1 EA      KIT, FISHING, USAF *read manual in kit, also use for sewing and other repairs with needles and safety pins*
- 1 EA      FOIL, ALUMINUM, HD, 16" x 36" *use to make pots and for food storage*
- 3 PK      TISSUE / TOILET PAPER
- 2 EA      GLOVES, LATEX, DISPOSABLE *for protection with medical treatments*
- 2 EA      LIPSTICK, ANTICHAP *use as a sunburn lotion or for cold weather protection*
- 1 EA      KIT, SNAKE BITE *follow direstions, scapel, suction, antiseptic & tourniquet are in kit*
- 1 EA      INSECT REPELLENT, 1 oz. *use as necessary, directions on container*
- 1 EA      EYE PROTECTIVE CUP *use to protect eye if a foreign object can not be removed*
- 2 EA      POVIDONE-IODINE, 10%, 1 oz. *use as antiseptic, rub on skin for insect bites*
- 8 EA      APPLICATORS, COTTON TIP *use to apply iodine, clean wounds*
- 2 EA      AMMONIA INHALANTS, 0.5ml *use to revive persons passed out*
- 20 EA      ASPIRIN, TABLET, 325 mg. *for general pain relief, 1 or 2 every 4-6 hours*
- 10 EA      TYLENOL, CAPSULE, 500 mg. *for general pain relief, 1 every 4-6 hours*
- 10 EA      COUGH, COLD & FLU TABLETS *follow directions for use*
- 10 EA      TOWELETTES, BENZAIKONIUM *antiseptic, used for wound cleaning*
- 10 EA      TOWELETTES, ALCOHOL *use as antiseptic, for cleaning or fire starting*
- 1 EA      TAPE, SURGICAL, 1" x 180" *for securing bandages & general purpose*
- 1 EA      PAD, PEN, MATCHES, RAZOR BLADE
- 2 EA      BANDAGE, TRIANGULAR w/ 2 SAFETY PINS *use as sling, to wrap bandages, etc*
- 2 EA      BANDAGE, CONFORMING GAUZE, 4" x 5 yd. *for wrapping large wounds*
- 4 EA      GAUZE SPONGE, 4" x 4" *sterile, for cleaning and padding*
- 4 EA      GAUZE PADS, 4" x 4" *sterile, place over wound*
- 2 EA      NON-ADHEAR PADS, 2" x 3" *sterile, will not stick to wound*
- 1 EA      DRESSING, TRAUMA, 10" x 30" *use for large head and body wounds, cut for smaller bandages, splint padding*
- 1 EA      DRESSING, COMBINE, 8" X 7 1/2" *bandage for large wound, splint padding, etc.*
- 12 EA      BAND AIDS, ADHEASIVE, ASSORTED *for small cuts and abrasions*
- 5 EA      BUTTERFLY CLOSURE, MEDIUM *use as a substitute for sutures*
- 6 EA      SKIN CLOSURES, 1/2" x 4" *same as above but larger wound*
- 8 EA      TONGUE DEPRESSORS, WOOD *use as finger splints, eating utensiles, kindling to start fire, etc.*

**LABELS FOR AIRCRAFT SURVIVAL KITS**

NOTE: 1. Add Silver Scotchlite reflective strips on all sides of box to facilitate locating kit at night.  
2. Add reduced size (8 point) contents list on outside of case.

**SURVIVAL KIT**

***FOR EMERGENCY USE ONLY***  
***DO NOT UNSEAL or OPEN***

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***DO NOT UNSEAL or OPEN***

***PROPERTY OF***  
**CIVIL AIR PATROL**

**KIT NO: 1 A/C NO: N\_\_\_\_\_ WT: 12.4 LB.**  
INSPECT AND REPACK ON \_\_\_\_\_20\_\_

***PROPERTY OF***  
**CIVIL AIR PATROL**

**KIT NO: 2 A/C NO: N\_\_\_\_\_ WT: 12.4 LB.**  
INSPECT AND REPACK ON \_\_\_\_\_20\_\_