POSSIBLE IMPROVISED USES FOR AIRCRAFT PARTS

Ailerons
   Snow-cutting tools, shelter braces, splints, spinal immobilization.

Aircraft Skin
   Reflector for warmth around fire, signal, reflector oven, shade, fire platform, splint material, snow saw blade.

Air Filter
   Fire starter.

Charts or Air Sectionals
   Fire starter, clothing insulation, hat.

Battery
   Signaling with lights, fire starting.

Battery Box
   Stove or cooking container.

Brake Fluid
   Fire starter. Be careful with this fluid.

Carpet
   Ground pad, insulation, clothing insulation, overhead shade.
IMPROVISED USES FOR AIRCRAFT PARTS (Continued)

Clearance Light Covers
Utensils and tools.

Compass - Instrument Panel
Liquid fuel for fire starting (sometimes).

Control Cables
Rope replacement, snare wire, shelter lashing, repair cord.

Control Pulleys
Block and tackle when used with cables.

Disc Brake Plates
Signaling reflector.

Doors and Windows
Shelter, shade, wind break, water collection, snow-cutting tool.

Engine Oil and Fuel
Fire starter, stove fuel, signalling.

Engine Mags
Spark producers for fire starting.

Engine Cowl
Shelter, water collection, wind break, fire platform.

Fuel Cells
Melt snow on black surface in winter, black smoke in fire, signal on snow, lining of shelter or overhead protection.

Fuel Strainer
Improvised screwdriver.

Fuselage
Shelter.

Head Liner and Other Inside Fabric
Water strainer, clothing and insulation, bandage material, foot protection, fire starter.

Hoses
Siphoning, signal fire.

Inner Tubes
Canteen, elastic binding material, signal fire, container.
IMPROVISED USES FOR AIRCRAFT PARTS (Continued)

Landing Light Lens
   Fire starter, signal mirror.

Landing Lights, Strobes and Clearance Lights
   Signal light, night light (if battery available).

Magnesium Wheels
   Signalling reflector, tinder for fire (thin shavings will burn hot and easily).

Nose Spinner Cone
   Container; stove; digging tool in snow; pot for heating water; cooking pot; funnel.

Oil Filter
   Signal fire.

Propeller, Rotor Blades
   Shovel, snow cutting tool, brace for shelter.

Rotating Beacon Lens
   Cup, container.

Seats
   Sleeping cushions, brace for back injury, sponge rubber for fire starter, black smoke for signal, insulation, ground pad, neck support, water filter.

Seat Belts
   Rope replacement, binding materials, slings, bandages.

Spring Steel Landing Gear
   Pry bar, splint, shelter brace, digging tool.

Sun Curtains
   Signal, shelter, shade, bandages, insulation, water filter, clothing.

Tires
   Signal fire, improvised sandals, carrying container.

Vertical Stabilizer
IMPROVISED USES FOR AIRCRAFT PARTS (Continued)

Shelter support, platform, water filter (when inverted and filled with sand, vegetation and charcoal), shade.

**Wheel Fairings**
Water container, snow shovel, (fiberglass fairings will burn).

**Wings**
Wind break, shelter support, shade, fire platform, water collection for dew and rain, signal panel.

**Wing Struts**
Pry bar, splint, shelter brace, pole for signal, crutch.

**Wing Tips**
Container.

**Wiring**
Binding, cordage.

PILOT’S AND PASSENGER’S PREPARATIONS

The inside of an aircraft in the desert can become an oven
KNOTS AND LASHES (THE HAMMERS AND NAILS OF SURVIVAL.)

ABOVE: A Granny Knot often tied mistakenly when attempting to tie a square knot. Note: This is a very weak knot and should be discouraged. Saving grace is that it is usually easy to untie.

ABOVE: The Square Knot is used to join two same diameter lines.

BELOW: The Slip-loop in the middle of a line is used in the Truckers Hitch for tying tension between two objects or to secure loads or bundles.
KNOTS AND LASHES

ABOVE: Tying a **Clove Hitch** to secure a line to a pole or for starting a lashing to bind poles together.

BELOW: First knot below is a **Half Hitch**. By continuing to wrap the line around the body of the loop, you create a **Timber Hitch**.