

**TECHNICAL MANUAL**

**CHECKLIST  
for  
OV-1 AIRCRAFT,  
COLD CLIMATE  
SURVIVAL KIT (RSSK)  
P/N 11-1-1960  
NSN 1680-00-148-9233**

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**HEADQUARTERS,  
DEPARTMENT OF THE ARMY  
24 AUGUST 1981**

**TM 55-1680-317-CL-6**

**HEADQUARTERS**

**DEPARTMENT OF THE ARMY**

**Washington, DC, 24 August 1981**

**1. Inspection Requirements.** This manual contains complete requirements for Preflight and Calendar Inspection of OV-1 Aircraft Cold Climate Survival Kit. It does not contain instruction for repair, adjustment, or other means of rectifying conditions, nor does it contain instructions for troubleshooting to find causes for malfunctioning. Specific tolerances, limits, etc., can be found in the applicable maintenance manuals. Use of the alphabetical index in the applicable manuals will facilitate locating the required information.

**2. Scope.** The inspections prescribed by this manual will be accomplished at specified periods by organizational maintenance activities with assistance of direct and general support activities when required.

**3. General Information. a.** The inspection requirements contained herein are stated in such a manner so to establish when certain equipment is to be inspected and what conditions are desired/undesired. Compliance with the provisions outlined herein is required in order to assure that latent defects are discovered and corrected before malfunctioning or serious trouble results. Inspection requirements

are arranged, as nearly as possible, according to the manner in which they will be performed.

**b.** The inspection intervals designated herein will not be exceeded except in actual operational emergencies as explained herein. It is the commander's responsibility to determine (on an individual basis) when inspection intervals may be exceeded. For this purpose, operational emergencies are conditions of combat, or conditions of disaster which necessitate flight to evacuate aircraft or personnel. Since safety may be jeopardized when inspections are delayed to meet emergency requirements, commanders will assure that delayed inspections are accomplished immediately upon termination of the actual emergency. When unusual local conditions of environment, utilization, mission, experience of maintenance personnel, periods of inactivity, etc., are encountered, the ALSE NCO/officer will, at his discretion, increase the scope and/or frequency of maintenance or inspections as necessary to insure safety.

**4. Special Information** The columns headed P and C are used to indicate the requirements for Preflight and Calendar inspections respectively. The calendar inspection

interval will run concurrent with the ejection seat inspection. Refer to TM 55-1680-317-23&P for maintenance instructions.

## **5. Reporting Errors and Recommending Improvements**

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, US Army Troop Support and Aviation Materiel Readiness Command, ATTN: DRSTS-MTT, 4300 Goodfellow Blvd., St. Louis, MO 63120. A reply will be furnished to you.

For the purpose of clarification of terms used in this manual, the following definitions are given:

Specified	Refers to a definite amount, operation, or limitation which has been established and is contained in applicable directives.
Evidence	Is an indication of an existing or impending unsatisfactory condition.
Security	Means the component is properly mounted or attached to related equipment including applicable safetying.

- Accessible Is the term applied to equipment that may be inspected without further disassembly or removal of components, etc., other than those required to accomplish the more specific requirements applicable to particular inspections.
- Excessive Is a term used to describe conditions where specific limitations have not been established. A condition is excessive if it has progressed to the degree that, if not corrected, could result in failure or malfunction of component prior to the next scheduled accomplishment of the requirement which directed attention to the condition.

## **WARNING**

**When an abnormal condition is noted and pertinent procedures in this checklist do not specifically relate to the noted irregularity, work will be stopped and technically qualified guidance will be obtained from the life support supervisor before continuing the operation.**

## **PREFLIGHT INSPECTION**

The preflight inspection on life support equipment is basically a flight preparedness check. As such, a visual inspection will be performed by the aircrew, prior to each flight, to assure that the life support equipment is in serviceable condition. On this basis, a preflight inspection will be required on life support equipment immediately before issue for flight.

## **CALENDAR INSPECTION**

The inspection consists of checking the life support equipment for flight preparedness by performing visual examination and operational checks of certain components to assure that no defects or maladjustments exist which could cause accidents or aborted missions.

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
	OV-1 Aircraft Cold Climate Survival Kit			
1.	Case	Holes, cuts, frays, tears; loose or broken stitching; defective or broken slide fastener; cut, frayed, or broken carrying strap; missing or illegible kit markings; dampness or mildew.		X
2.	Inspection record	Date phased inspection due.	X	X
3.	Waterproof matchbox	Penetration of water; cracks, cuts, or tears in sealing gasket; loose or missing sealing gasket; cap striking disc torn or grit		X



Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
3.	Waterproof matchbox (cont)	missing; striking bar chipped, cracked, or dented; cap threads broken or stripped; free move- ment of cap on threads; broken or damaged cap or body; corro- sion on striking bar.		
4.	Plastic water bag	Tears, cuts, holes, cracks, breaks, or abrasions; sharp creases or wrinkles; attaching components loose or missing; foreign material on bag inside which may damage container or injure user; stickiness, oily film.		X
5.	Magnetic compass	Cracked or broken dial face cover; operation; original stowed		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
5.	Magnetic Compass (cont)	position; missing operations in- structions.		
6.	Illuminating candle (loose) large size	Wick missing or not extending beyond candle tip; dirt, dust, or other foreign material imbedded in candle body; broken, warped, or fused together with another candle; burned; not white in col- or.		X
	or			
	Illuminating candle (canned)	Dents; broken seal.		

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
7.	Fishing tackle kit	Broken seal around perimeter of container; corrosion of kit contents; broken or cracked container; missing instruction booklet; evidence of tampering.		X
8.	Food packet	Severe dent or a dent causing a sharp ridge; rust which cannot be removed by wiping with a soft cloth; packet punctured or leaking; can opener missing; illegible printed instructions, date of manufacture.		X
9.	Sunburn-preventive preparation	Damage to the container; evidence of seepage or leakage; illegible instructions.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
10.	Plasticball whistle	Cork ball, eyelet rivet, or helical split ring missing; body cracked or broken; cracks, chips, or broken edges on mouthpiece; evidence of dirt or foreign material; lanyard torn, cut, or missing.		X
11.	Snare wire (20-ft-long)	Twists, kinks, cracks, slivers.		X
12.	Survival manual (TM 10-1670-1)	Torn; pages missing; dampness; legibility.		X
13.	Survival manual(AFM 64-5, FM 20-152 or FM 21-76)	Torn; pages missing; dampness; legibility.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
14.	Operator's manual legibility.	Torn; pages missing; dampness;		X
15.	Packing list	Torn or missing; legibility.		X
16.	Compressed trioxane fuel	Container not sealed on four sides; instructions on container missing or illegible; crushed fuel bar.		X
17.	Insect headnet	Holes or tears in netting; broken or loose stitching; missing or broken elastic headband; loose or missing grommets; missing or broken drawstring and elastic pocket attaching loops; insect repellent on elastic; missing or illegible instruction ticket.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
18.	Signaling mirror	Scratches, chipped, cracks, distortion; illegible operating instructions; broken or missing lanyard.		X
19.	Pocket knife	Rust or corrosion; missing rivets; loose clevis; burrs or rough projections on handle; blades hard to open; nicks or burrs on blades; cutting edge dull; punch blade dull and point is blunt.		X
20.	Matches (non-safety)	Serviceability and container condition.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
21.	Frying pan	Dents, cracks, corrosion, sharp edges, burrs, silvers; cleanliness.		X
22.	Hand saw assembly	Blade bent, kinked, or broken; blade mounting screws missing; ring bent and will not rotate in blade holder.		X
23.	Smoke and illumination signal	Damage, severe dents, or deformity; broken seals; labeling on day and night ends; embossed projections on night end available. Lot numbers and date of manufacture.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
24.	Sleeping bag (type SRU-15/P)	Evidence of container having been opened; center sealing tape loose by more than 1/4 inch; threaded pin loose; missing wingnut; missing washers; instruction label illegible; cracks in container; pull wire.		X
25.	Plastic spoon	Wrapping missing or torn; previous use; evidence of finger marks, dirt, or grease; cracked or broken.		X
26.	Butane lighter fire starter	Breaks or dents in container; evidence of seepage or leakage; illegible instructions.		X



Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
27.	Additional components	As necessary.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
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**By Order of the Secretary of the Army:**

**Official:**

**ROBERT M. JOYCE**  
**Brigadier General, United States Army**  
**The Adjutant General**

**E. C. MEYER**  
**General, United States Army**  
**Chief of Staff**

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RECOMMENDATION MAKE A CARBON COPY OF THIS  
AND GIVE IT TO YOUR HEADQUARTERS.

## **The Metric System and Equivalents**

### **Linear Measure**

- 1 centimeter = 10 millimeters = .39 inch
- 1 decimeter = 10 centimeters = 3.94 inches
- 1 meter = 10 decimeters = 39.37 inches
- 1 dekameter = 10 meters = 32.8 feet
- 1 hectometer = 10 dekameters = 328.08 feet
- 1 kilometer = 10 hectometers = 3,280.8 feet

### **Weights**

- 1 centigram = 10 milligrams = .15 grain
- 1 decigram = 10 centigrams = 1.54 grains
- 1 gram = 10 decigrams = .035 ounce
- 1 dekagram = 10 grams = .35 ounce
- 1 hectogram = 10 dekagrams = 3.52 ounces
- 1 kilogram = 10 hectograms = 2.2 pounds
- 1 quintal = 100 kilograms = 220.46 pounds
- 1 metric ton = 10 quintals = 1.1 short tons

### **Liquid Measure**

- 1 centiliter = 10 milliliters = .34 fl. ounce
- 1 deciliter = 10 centiliters = 3.38 fl. ounces
- 1 liter = 10 deciliters = 33.81 fl. ounces
- 1 dekaliter = 10 liters = 2.64 gallons
- 1 hectoliter = 10 dekaliters = 26.42 gallons
- 1 kiloliter = 10 hectoliters = 264.18 gallons

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