

TECHNICAL MANUAL

This copy is a reprint of the basic.

**CHECKLIST
for
OV-1 AIRCRAFT,
OVERWATER SURVIVAL
KIT (RSSK)
P/N 11-1-468
NSN 1680-00-140-3540**

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

TM 55-1680-317-CL-7

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 Overwater 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 re-

quirements 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 inspec-

tion 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 Over- water Survival Kit			
1.	Inspection record	Date phased inspection due.	X	X
2.	Kit inner case	Holes, cuts, frays, tears; dirt or foreign material on case; loose or broken stitching; damaged flap fastener tape; broken, cut, burned, or missing case retaining line; damaged retaining line attaching loop.	X	
3.	Life raft	Holes or tears in flotation tube; evidence of leakage; grease or oil on raft fabric; torn on tears in		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
3.	Life raft (cont)	weathershield; weathershield mating fastener tapes damaged or missing; pockets torn or missing; oral inflation valve distorted or broken; broken or missing raft retaining line and snap hook; cuts, tears, or scuffs on raft floor; inspect in accordance with TM 5-4220-202-14.		
4.	Carbon dioxide cylinder	Rust, dents, deep scratches on cylinder body; recharging date data; cylinder weight; inspect in accordance with TM 5-4220-202-14.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
5.	Inflation valve assembly	Corrosion; wear and dents; locking sleeve shall not be nicked or cracked and shall operate up and down freely; spr- ing adapter missing or distorted; broken or stripped threads on outlet valve attaching nut; in- spect in accordance with TM 5- 4220-202-14.		X
6.	Sea anchor	Holes, cuts, and tears; broken or missing attaching line; inspect in accordance with TM 5-4220- 202-14.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
7.	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
8.	Sunburn-preventive preparation	Damage to the container; evidence of seepage or leakage; illegible instructions.		X
9.	Reversible sun hat	Cuts, frays or tears; broken or loose stitching.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
10.	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
11.	Seawater desalter kit	Seals missing from container seams; missing rivets; cracks, nicks, or burns on container; broken or missing lanyard; instructions and markings on container missing or illegible.		X
12.	Food packet	Severe dent or a dent causing a sharp ridge, rust which cannot be removed by wiping with a		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
12.	Food packet (cont)	soft cloth; packet punctured or leaking; can opener missing; illegible printed instructions, date of manufacture.		
13.	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
14.	Sponge	Foreign material imbedded in sponge structure; tears, cuts, material deterioration; pliable.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
15.	Signaling mirror	Scratches, chipped, cracks, distortion; illegible operating instructions; broken or missing lanyard.		X
16.	Magnetic compass	Original stowed position; cracked or broken dial face cover; missing operations instructions; operation.		X
17.	Fluorescin sea marker	Holes, cuts, or tears in packet; pack opening tab not sealed completely; broken or missing retainer tape; instruction markings missing or illegible; inspect in accordance with TM 5-4220-202-14.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
18.	Plastic ball 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
19.	Packing list	Torn or missing; legibility.		X
20.	Operator's manual and survival manual	Torn; pages missing; legibility; dampness.		X
21	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
22	Motion sickness tablets	Breaks in container, illegible instructions.		X
23	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

DISTRIBUTION:

To be distributed in accordance with DA Form 12-31,
Maintenance requirements for Aerial Delivery Equipment,
General Literature.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

 <p style="font-size: 1.2em; font-weight: bold; margin: 0;">SOMETHING WRONG WITH PUBLICATION</p> <p style="font-size: 0.8em; margin: 0;"><i>THEX... JOT DOWN THE DOPE. ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.</i></p>				FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)
				DATE SENT
PUBLICATION NUMBER		PUBLICATION DATE	PUBLICATION TITLE	
BE EXACT PIN-POINT WHERE IT IS				<p style="font-weight: bold; margin: 0;">IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.</p>
PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.	
PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER				SIGN HERE

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PREVIOUS EDITIONS ARE OBSOLETE.

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR 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

*GPO: 1990 0-262-925 (35008)

