

**TECHNICAL MANUAL**

**CHECKLIST  
for  
OV-1 AIRCRAFT,  
SURVIVAL VEST,  
SMALL, P/N 11-1-468-1  
NSN 1680-00-187-5716  
LARGE, P/N 11-1-468-2  
NSN 1680-00-205-0474**

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

TM 55-1680-317-CL-8

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 Survival Vests. 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 is 120 days. 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 inspection 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 Survival Vest			
1.	Vest	Holes, cuts, tears, burns; broken or loose stitching; defective slide and snap fasteners; torn or missing fastener tape; loops missing from loop adjustment webbing; loop tape cord broken or missing; edge and seam bindings torn or cut; broken or missing thong on slide fastener.	X	X
2.	Inspection record	Date calendar inspection due.	X	X
3.	Contents	Missing or damaged contents.	X	X



Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
4.	SDU-5E distress marker light and flash guard	Cracks in case; inspect in accordance with TM 55-1680-322-12		X
5.	Signaling mirror	Scratches, chipped, cracks, distortion; illegible operating instructions; broken or missing lanyard		X
6.	Flare launcher, distress signals	Damage; corrosion; service life; spring tension; cycle firing mechanism. Flare lot number and date of manufacture.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
7.	First aid kit	Case damaged; kit issue or inspection date; individual medical item container seal broken; eye ointment leaking; broken case or face on compass, service life of components. (Packets 1 and 2) (item 13)		X
8.	Pocket knife, hook blade	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; attaching line.		X
9.	Sheath	Loose or broken stitching; dirt or other foreign material.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
10.	Knife, sheathed	Rust or corrosion; burrs or rough protrusions on handle; nicks or burrs on blades; cutting edge dull; sharpening stone missing.		X
11.	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
12.	Packing list	Torn or missing; legibility.		X
13.	Medical packet	As required by local medical personnel.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
14.	Life preserver	Corrosion, damage to exposed metal parts; cuts, tears, abrasions, security of stitching, or other damage to container; safety tie on release pins; stains, dirt, and general cleanliness; test and repack every 120 days; inspect in accordance with TM 5-4220-202-14.		X
15.	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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ARE OBSOLETE.

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

TM 11-55 (10-79) (REV 10-79) (10-79)

## **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 : 1988 - 206-971**



**PIN: 049674-000**