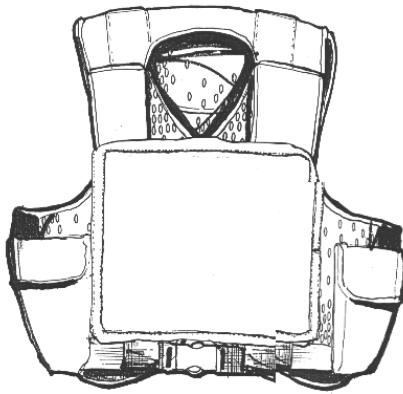


OWNERS
MANUAL
FOR
ROARING FORTIES™

SMA7801
CONSTANT WEAR
SAVER VEST



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The conditions and test required for an ATSO authorisation of this article are minimum performance standards. It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the ATSO standards, the article may be installed only if further evaluation by the applicant (user/Installer) substantiates an acceptable installation and is approved by the authority.

This article is approved as a constant wear life preserver and it is intended for crew (i.e. "Adult") use only.

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RECORD OF CHANGES TO MANUAL SER7801

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ROARING FORTIES SMA7801
CONSTANT WEARSAVER VEST

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ROARING FORTIES SMA7801 CONSTANT WEARSAVER VEST

SECTION 1. DESCRIPTION:

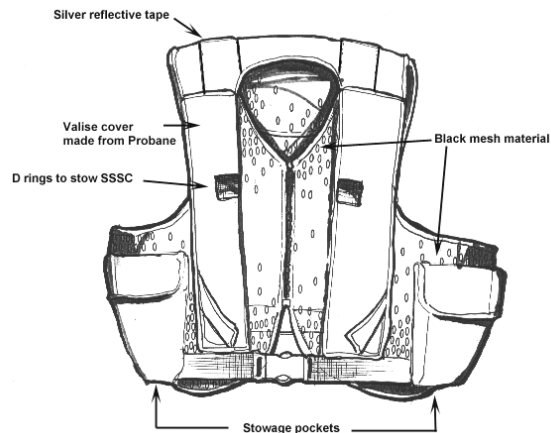
1.1. **SAVER SURVIVAL VEST SMA7801**

The saver vest is made up of:

- a.) Saver vest valise (VALI7801)
- b.) Inflatable bladder (SMA1094)

The SAVER survival vest valise (VALI7801) is constructed from fire resistant probane fabric. Reflective tape is attached to the collar and a spray hood is installed inside the collar of the vest. There are pockets to stow survival equipment such as water, signalling mirror, sea-marker pack or mini flare kit. There are also D-rings to which the SSSC can be attached . (Optional)

The inflatable bladder (SMA1094) is a single buoyancy bladder with a Carbon Dioxide (CO2) inflation system and oral inflation tube. There is also a pocket to stow a personal EPIRB.



Aviation Survival Vest with inflatable bladder
"SAVER"

ROARING FORTIES SMA7801
CONSTANT WEARSAVER VEST

SECTION 1 DESCRIPTION:

1.2. INFLATION EQUIPMENT

1.2.1. MECHANICAL INFLATION SAVER VEST

Mechanical inflation is accomplished by means of the HALKEY-ROBERTS operating head fitted with a disposable CO2 cylinder. The inflation process is initiated manually by pulling a toggle on the right side of the vest. Pulling the toggle causes the operating lever to force a slotted pin into the head of the CO2 cylinder, which allows CO2 gas to flow through the internal ducting of the operating head thence via a Schrader valve contained within the inflation manifold into the buoyancy chamber thus providing the required buoyancy.

WARNING: DO NOT *FULLY* INFLATE THE BUOYANCY VEST PRIOR TO OPERATING THE CO2 SYSTEM. SUCH ACTION MAY CAUSE THE BUOYANCY VEST TO BURST RENDERING IT UNUSABLE

1.2.2. ORAL INFLATION SAVER VEST

Oral inflation is accomplished by the wearer locating on the left hand side of the bladder the oral inflation tube positioned close to the wearer's mouth. Blowing air directly into it, the bladder inflates. The bladder may be deflated by pushing down on the top of the valve inside the oral inflation tube with a fingernail or other convenient tool.

ROARING FORTIES SMA7801 CONSTANT WEARSAVER VEST

SECTION 2. OPERATION

2.1. *MANUAL INFLATION: BUOYANCY VEST SMA7801*

When the buoyancy vest is donned and properly secured the buoyancy vest may be manually CO2 inflated by pulling firmly downwards on the "JERK TO INFLATE" toggle. Should the CO2 inflation system fail to inflate the buoyancy vest it may be inflated orally by means of the oral inflation tube positioned near the wearer's mouth at the left side of the buoyancy vest.

SECTION 3. DATA

3.1. *ROARING FORTIES SMA7801 SAVER VEST*

TOTAL WEIGHT: APPROX. 1150g

BUOYANCY: INFLATED, 156 Newtons APPROX.

CO2 CYLINDER: 1 x 33gram x 12mm thread (disposable)

OPERATING HEAD: Halkey-Roberts 840mls

ORAL INFLATION VALVE: 730rols43

SERVICE INTERVAL: Once YEARLY

SECTION 4. STOWAGE OF SURVIVAL SYSTEM

4.1. *STOWAGE OF SMA7801 SAVER SURVIVAL SYSTEM*

When not in use the SAVER system should be stowed in a clean, dry, well-ventilated area. It shall not be subjected to extremes in temperatures (exceeding +60°C or below -40°C. It should also not be stowed near heat emitting devices or in direct sunlight. It should not be stowed adjacent to or with fuels, oils, greases, or solvents. Provided the above conditions are obtained, the SAVER system may be stowed continuously between the annual services, ready for use.

SECTION 5. SPARE PARTS LIST

7800050	Pocket Beacon/Light
7800060	Retaining Patch
7800070	Cylinder Patch
BUC644	Buckle Triglode 25mm
BUC660	Buckle 38mm
COR131	Cord Whistle
CYL066	Cylinder ½ in 33gm Disposable
FAB952	Fabric oxford weave 200 Denier Nylon 70oz
HEA176	Head Op 12mm Manual 840mls
LAB210	Label Serial No.
LAB782	Donning Label
LIG240	L8-4 Light & Battery 45cm
SMA1094	Saver Vest Bladder
STR912	Fastener 12mm Black Hook
STR913	Fastener 12mm Black Loop
STR969	Fastener 50mm Hook Black
STR970	Fastener 50mm Loop Black
TAP388	Tape 50mm Retro SOLAS Glue on
TAP962	Tape Silver Retro Tape Sew-on
THR409	Thread M36 Terko Black
THR415	Thread M36 Terko White
VALI7801	Saver Vest Valise
WEB425	Webbing 25mm Black 118
WEB454	Webbing 38mm Black 118
WHI475	Whistle Orange
ZIP120	Zip 20cm No.10
STR967	Fastener 25mm Hook Black
STR968	Fastener 25mm Loop Black