



Marine Mk IV liferafts — Servicing : *Servicing optimisation (gasket seal, pyrotechnics valises, bellows valise, canopy zips)*

This Service Bulletin affects products from the brands that follow:

	Survitec Dunmurry - Belfast Northern Ireland
RFD Beaufort Inc	RFDB Inc Sharon Centre - Ohio USA
	SSPI Ohio USA
Survitec Safety Solutions	SSS
	Eurovinil S.p.A Grosseto Italy

	DSB Deutsche Schlauchboot Eschershausen Germany
	Survitec Dunmurry - Belfast Northern Ireland
	DBC Marine Safety Systems Ltd. Vancouver Canada
	Survitec Zodiac Chevanceaux France

This Service Bulletin has been technically approved by Survitec Design Authority.

Signed: 

Dated: 21-Oct-2024

Richard Kerrigan
Head of Engineering
Survitec

43/21	Marine Mk IV liferafts — Servicing		
	Servicing optimisation (gasket seal, pyro/bellows valises, canopy zips)		
	Version 3:	Oct/24	Page 1 of 20

Reason for revision	Page
4.E. Figures updated.	13
4.F. Additional information added.	16

A vertical revision bar in the left hand margin identifies a change.

1. Introduction

NOTE: This service bulletin was originally circulated as

Marine Mk IV liferafts — Servicing : Servicing optimisation

under the reference numbers which follow, which are now rescinded:

27/21 (RFD)	31/21 (SSS)	34/21 (Survitec)
29/21 (RFDB Inc)	32/21 (EV)	35/21 (DBC)
30/21 (SSPI)	33/21 (DSB)	37/21 (Zodiac)

As part of Survitec's commitment to continuous improvement, we have completed a review of liferaft service activities. This review has allowed us to make several improvements to the process which will reduce:

- the time required to pack a liferaft (with reduced labour costs)
- the waste sent to landfill during each service (with cost and environmental benefits)

This service bulletin tells service stations about new part numbers and how to order them. It also contains information about new techniques for preparing items during packing.

For other servicing optimisation tasks, refer to the service bulletins that follow:

- 44/21 Marine liferafts — Servicing : *Servicing optimisation (painter line sachet)*
- 45/21 Marine liferafts — Servicing : *Servicing optimisation (radar reflector)*

2. Equipment affected

Product group	Service manual reference
Surviva Mk IV Liferafts with a drop height of 36 metres or less	M 269-00 (Eng)
	M 269-00 (Fra)
Surviva Mk IV Extended Service Liferafts with a drop height of 36 metres or less	M 271

3. Embodiment date

From 1 October 2021:

- you must do Paragraph 6.D. at each scheduled liferaft service
- you must do Paragraphs 6.E. and 6.F. at next scheduled liferaft service
- you must do Paragraph 6.G. when necessary

4. Necessary parts

You must purchase each part number from Survitec.

It is recommended that you keep these parts in stock at all times.

A. Gasket seal

The gasket seal must be replaced at each service.

Survitec has found that the current gasket seal might leave an adhesive residue on the container which must be removed before a new gasket seal can be installed.

This is a time-consuming process.

The gasket seal has been revised; it now has an alternative adhesive which leaves no residue. Its part number has not changed.

Part number ; IFS part code	Description	Quantity per liferaft
05606009 ; 7001008	seal strip, self-adhesive, grey (10 x 19 mm), one metre	As required

B. Pyrotechnics valises

Currently each pyrotechnic (handheld flares, parachute flares, lifesmoke) is individually wrapped with pillowflex/bubblewrap. This pillowflex/bubblewrap must be removed and replaced at each service to allow inspection. This is a time-consuming process.

A series of new pyrotechnics valises has been introduced which will protect each item but which can be easily opened and, if serviceable, re-used at each liferaft service.

If a pyrotechnic is too large for a new pyrotechnic valise then you must use pillowflex/bubblewrap as per specified in the relevant service manual. The new pyrotechnics valises must be used for all pyrotechnics that fit.

Part number ; IFS part code	Description	Quantity per liferaft
53769001 ; 7001001	Lifesmoke pyrotechnics valise	2 per A-pack; 1 per B-pack
53770001 ; 7001002	Parachute flare pyrotechnics valise	2 per A-pack; 1 per B-pack
53771001 ; 7001003	Handheld flare pyrotechnics valise	2 per A-pack; 1 per B-pack

C. Bellows valise

Currently the bellows is wrapped with pillowflex/bubblewrap. This pillowflex/bubblewrap must be removed and replaced at each service to allow inspection. This is a time-consuming process.

A new bellows valise has been introduced which will protect the item but which can be easily opened and, if serviceable, re-used at each liferaft service.

Pillowflex/bubblewrap must not be used. The new bellows valise must be used.

Part number ; IFS part code	Description	Quantity per liferaft
53793001 ; 7001004	Bellows valise	1

D. Canopy zips

The current canopy zip pullers are made of a metal which might become corroded. A new resin zip puller has been introduced which is not susceptible to corrosion.

If you need to replace a metal zip puller, replace each zip puller on the liferaft with a resin zip puller. Do not mix metal and resin zip pullers.

Part number ; IFS part code	Description	Quantity per liferaft
12750009 ; 7001007	Zip puller, resin	As required

5. Necessary equipment and tools

None

6. Tasks

- A. Obey the correct service manual to service, test and pack the liferaft with the changes that follow at 6.D thru 6.G.
- B. You can use existing stock of gasket seals.
- C. You must use the new processes for all other items.

D. Gasket seal

- (1) Remove the old gasket seal and any adhesive residue from the top and bottom containers. Make sure that the target area is clean and dry.
- (2) Install the new gasket seal.



E. Pyrotechnics valises

NOTE: Position of the pyrotechnics remains the same in all instances except for Mk 10 and Mk 14 containers.

- (1) Remove and discard the pillowflex/bubblewrap from each pyrotechnic.
- (2) Put each pyrotechnic into the correct pyrotechnics valise.
- (3) Fold the flap over to close the pyrotechnics valise.
- (4) For **M 269-00 and M 269-02 only**:
 - (a) Note that the caption for Figure 706A now reads "*Pack 1 valise packing for MK 10 container (all sizes) with drop height of more than 36 m. Refer to Figure 706C for drop heights up to 36 m.*"
 - (b) Insert Figure 706C after page 717. Refer to **Figure 1**.



(2)



(3)



**Lifesmoke
pyrotechnics valise**

(2)



(3)



**Parachute flare
pyrotechnics valise**

(2)

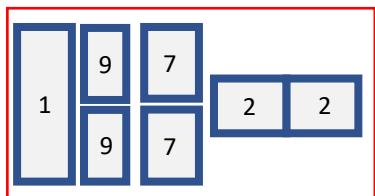


(3)

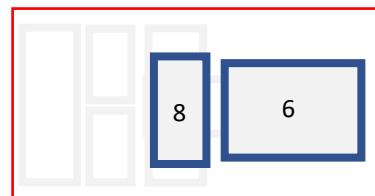


**Handheld flare
pyrotechnics valise**

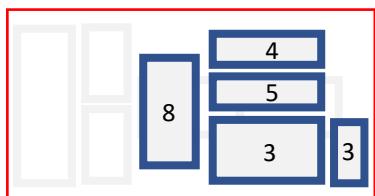
(4)



Plan view: layer 1



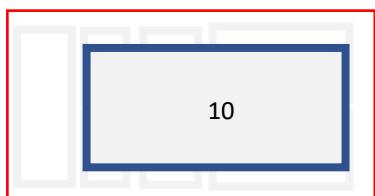
Plan view: layer 2



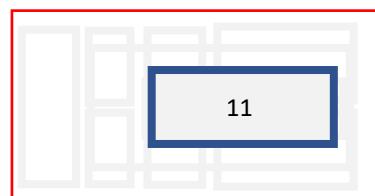
Plan view: layer 3



Plan view: layer 4



Plan view: layer 5



Plan view: layer 6

Key:

1	Bellows / Pump	4	Bag, seasickness, poly	7	lifesmoke (2)	10	Radar reflector (2 bubble wrap)
2	Bailer (1 or 2)	5	Drogue	8	Handheld flare (6)	11	Rescue signal table
3	TPA's (2 or 3)	6	First Aid Kit	9	Parachute flare (4)		

FIGURE 706C
Pack 1 valise packing for MK 10 container (all sizes)
with drop height less than or equal to 36 m

Figure 1

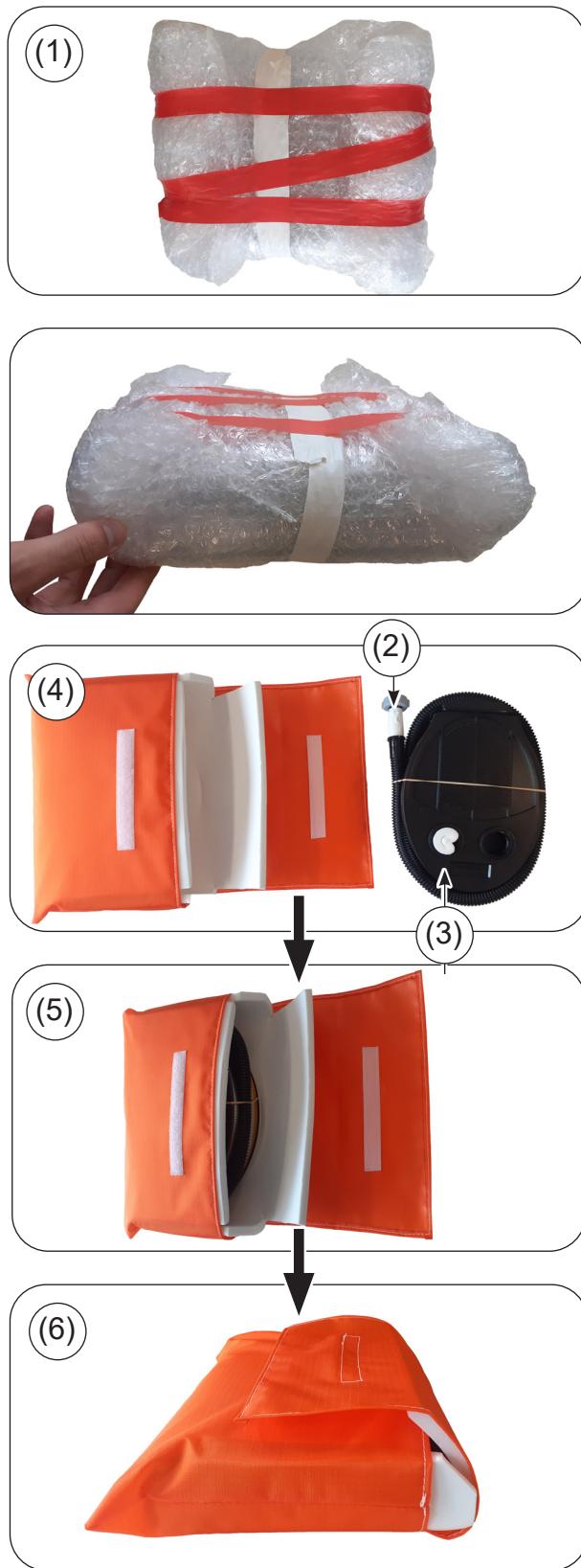
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F. Bellows valise

NOTE: The packing method that follows applies only to 'pump' style bellows (P/N 45201001 and P/N 45201002). No additional packing is necessary for 'beehive' style bellows (P/N 51784001).

NOTE: Position of the bellows remains the same in all instances except for Mk 10 and Mk 14 containers.

- (1) Remove and discard the pillowflex/bubblewrap from the bellows.
- (2) Wind the hose around the bellows so that the screw connector is at the left. Use an elastic band to hold the hose in position.
- (3) Roll a 38 × 19 mm piece of 25 mm plastazote and carefully push it into the DEF port on the bellows.
- (4) Turn the bellows so that the hose's screw connector is near to the bellows valise.
- (5) Put the bellows into the bellows valise so that the hose's screw connector is at the bottom of the bellows valise.
- (6) Fold the flap over to close the bellows valise.



G. Canopy zips

- (1) If one or more canopy zips has damage or corrosion, obey the correct service bulletin to remove all metal zips and install new resin zips. Refer to

Marine Mk IV liferafts — Canopy : Inspect the canopy doorway zip sliders

12/21 (RFD)

13/21 (RFDB Inc)

14/21 (SSPI)

15/21 (SSS)

16/21 (EV)

17/21 (DSB)

18/21 (Survitec)

19/21 (DBC)

20/21 (Toyo)

21/21 (Zodiac)

7. Recording

- A. For each liferaft to which this service bulletin has been applied, complete the appropriate record card(s).
- (1) Record details of the service onto the service record card. In the appropriate field, write “SB 43/21 Ver.2 APPLIED”.

8. Reporting

None.

Marine Mk IV liferafts — Servicing : *Servicing optimisation*

Service provider:

Associated Publications: *M 269-00, M 269-02 & M 271*

As part of Survitec procedures, each technician who is trained to service the equipment affected by this publication must read and fully understand this publication.

When each technician has read and fully understood the publication, they must complete and sign the table below.

Keep this table with this publication.

Each person named below has read and fully understood this publication:

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