



Ministry  
of Defence



DE&S Secretariat (Land Equipment)

DESSEC-PolSecLE-JSC-WPNS@mod.uk



Defence Equipment & Support  
Maple 0a # 2043  
MOD Abbey Wood  
Bristol BS34 8JH



Via:

23 June 2020 Our Ref: FOI2020/06304

Dear [REDACTED],

Thank you for your email of 2 June 2020 requesting the following information:

*I have acquired the following Shelter through disposal channels and would like to make an FOI request for a copy of the appropriate AESP documents to ensure correct use and care.*

- 8340-C-109 - Sunshade 7.3m x 5.5m
- 101 - Purpose and Planning Information
- 201 - Operating Information
- 711 - Illustrated Parts List
- 741 - Complete Equipment Schedule

I am treating your correspondence as a request for information under the Freedom of Information Act 2000 (FOIA).

A search for the information has now been completed within the Ministry of Defence, and I can confirm that all the information in scope of your request is held.

The information you have requested can be found attached, but some of the information falls entirely within the scope of the absolute exemption provided for at section 40 (Personal Data) of the FOIA and has been redacted.

Section 40(2) has been applied to some of the information in order to protect personal information as governed by the Data Protection Act 2018. Section 40 is an absolute exemption and there is therefore no requirement to consider the public interest in making a decision to withhold the information.

If you have any queries regarding the content of this letter, please contact this office in the first instance.

If you wish to complain about the handling of your request, or the content of this response, you can request an independent internal review by contacting the Information Rights Compliance team, Ground Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail [CIO-FOI-IR@mod.gov.uk](mailto:CIO-FOI-IR@mod.gov.uk)). Please note that any request for an internal review should be made within 40 working days of the date of this response.

If you remain dissatisfied following an internal review, you may raise your complaint directly to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not normally investigate your case until the MOD internal review process has been completed. The Information Commissioner can be contacted at: Information

Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website at <https://ico.org.uk/>.

Yours sincerely,

DES SEC Pol Sec Land Equipment



**CONDITIONS OF RELEASE**

- 1 This information is released by the UK Government for Defence purposes only.
- 2 This information must be afforded the same degree of protection as that afforded to information of an equivalent security marking originated by the recipient Government or as required by the recipient Government's National Security regulations.
- 3 This information may be disclosed only within the Defence Department of the recipient Government, except as otherwise authorised by the Ministry of Defence (Army).
- 4 This information may be subject to privately owned rights.

**SUNSHADE, 7.2 M x 5.4 M  
(24 FT x 18 FT)**

**NSN J11/8340-99-575-0779**

**PURPOSE AND PLANNING INFORMATION**

~~THIS DOCUMENT IS THE PROPERTY OF HER BRITANNIC MAJESTY'S GOVERNMENT, and is issued for the information of such persons only as need to know its contents in the course of their official duties. Any person finding this document should hand it to a British forces unit or to a police station for its safe return to the MINISTRY OF DEFENCE, D Def Sy, MAIN BUILDING, WHITEHALL, LONDON SW1A 2HB, with particulars of how and where found. THE UNAUTHORISED RETENTION OR DESTRUCTION OF THIS DOCUMENT MAY BE AN OFFENCE UNDER THE OFFICIAL SECRETS ACTS OF 1911-1989. (When released to persons outside Government service, this document is issued on a personal basis and the recipient to whom it may be entrusted in confidence, within the provisions of the Official Secrets Acts 1911-1989, is personally responsible for its safe custody and for seeing that its contents are disclosed only to authorized persons).~~

Sponsored for use

in the

**UNITED KINGDOM MINISTRY OF DEFENCE AND ARMED FORCES**

by the

**DEFENCE EQUIPMENT AND SUPPORT ORGANISATION**



AMENDMENT RECORD

Amdt No	Incorporated By (Signature)	Date
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		

Amdt No	Incorporated By (Signature)	Date
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		



**CONTENTS**

	Page
<b>PRELIMINARY MATERIAL</b>	
Front cover (title page) .....	(i)/(ii)
Amendment record sheet .....	(iii)/(iv)
Contents (this list) .....	(v)
PREFACE .....	(vi)
Introduction .....	(vi)
Related and associated publications .....	(vii)
Related publications .....	(vii)
Associated publications .....	(viii)
Abbreviations .....	(ix)
Warnings and Cautions .....	(x)
Comment on AESP .....	Final leaf
 <b>PURPOSE AND PLANNING INFORMATION</b>	

**PREFACE**

Sponsor: DEC ELS  
Publication Authority: DE&S  
ECI IPT

**INTRODUCTION**

1 Service users should forward any comments on this publication through the channels prescribed in AESP 0100-P-011-013. An AESP Form 10 is provided at the end of the preliminary pages; it should be photocopied and used for forwarding comments on this AESP.

2 AESPs are issued under Defence Council authority and where AESPs specify action to be taken, the AESP will of itself be sufficient authority for such action and also for the demanding of the necessary stores, subject to the provisions of Para 3 below.

3 The subject matter of this publication may be affected by Defence Instruction Notices (DINs), Standard Operating Procedures (SOPs) or by local regulations. When any such Instruction, Order or Regulation contradicts any portion of this publication it is to be taken as the overriding authority.



**RELATED AND ASSOCIATED PUBLICATIONS**

**Related publications**

4 The octad for the subject equipment consists of all the categories shown in Table 1. All references are prefixed with the first eight digits of this publication. The availability of the publications can be checked by reference to the relevant Group Index in AESP 0100-A-001-013.

**TABLE 1 RELATED PUBLICATIONS**

Category/Sub-Category		Information Level				
		1 User/Operator	2 Unit Maintenance	3 Field Maintenance	4 Base Maintenance	
1	0	Purpose and Planning Information	101	*	*	*
	1	Equipment Support Policy Directives	*	*	*	*
2	0	Operating Information	201	*	*	*
	1	Aide Memoire	*	*	*	*
	2	Training Aids	*	*	*	*
3		Technical Description	*	*	*	*
4	1	Installation Instructions	*	*	*	*
	2	Preparation for Special Environments	*	*	*	*
5	1	Failure Diagnosis	*	*	*	*
	2	Repair Instructions	*	*	*	*
	3	Inspection Standards	*	*	*	*
	4	Calibration Procedures	*	*	*	*
6		Maintenance Schedules	*	*	*	*
7	1	Illustrated Parts Catalogues	*	*	*	*
	2	Commercial Parts Lists	711	*	*	*
	3	Complete Equipment Schedule, Production	*	*	*	*
	4	Complete Equipment Schedule, Service Edition (Simple Equipment)		*	*	*
	5	Complete Equipment Schedule, Service Edition (Complex Equipment)	741	*	*	*
8	1	Modification Instructions	*	*	*	*
	2	General Instructions, Special Technical Instructions and Servicing Instructions	*	*	*	*
	3	Service Engineered Modification Instructions (RAF only)	*	*	*	*

\* Category/Sub-category not published.

**Associated publications**

5 The following publications are associated with this AESP octad.

<u>Reference</u>	<u>Title</u>
------------------	--------------

NONE	
------	--

## ABBREVIATIONS

6 The following abbreviations are used in this AESP octad.

<u>Abbreviation</u>	<u>Nomenclature</u>
AESP	Army Equipment Support Publication
DIN	Defense Instruction Notices
Fig	Figure
ft	feet (foot)
ft <sup>3</sup>	feet cubed
in.	inch
kg	kilogram
lb	pound
m	metre
m <sup>2</sup>	metres squared
m <sup>3</sup>	metres cubed
mm	millimeters
NATO	North Atlantic Treaty Organisation
NSCM	NATO Supply Code for Manufacturers
NSN	NATO Stock Number
Para	Paragraph
PPE	Personal Protective Equipment
SOP	Standard Operating Procedures

**WARNINGS AND CAUTIONS****HAZARDOUS SUBSTANCES**

7 Before using any hazardous substances or material, the user must be conversant with the safety precautions and first aid instructions:

- 7.1 on the label of the container it was supplied in;
- 7.2 on the material Safety Data Sheet;
- 7.3 in local Safety Orders and Regulations.

**WARNINGS**

- (1) **PERSONNEL INJURY/EQUIPMENT DAMAGE. SUFFICIENT PERSONNEL ARE REQUIRED WHEN LIFTING THE ASSEMBLED ROOF. THE MINIMUM IS ONE PERSON PER WALL MEMBER.**
- (2) **PERSONNEL INJURY/CRUSH HAZARD. EXERCISE CAUTION WHEN ASSEMBLING POLES AND BRACKETS DUE TO THE RISK OF CRUSH INJURY TO FINGERS.**
- (3) **PERSONNEL INJURY. WHEN POLES ARE CURVED UNDER TENSION THERE IS A HIGH RISK THAT THEY MAY SLIP AND SPRING BACK TO THEIR STRAIGHT RELAXED POSITION. PERSONNEL SHOULD NOT POSITION THEMSELVES DIRECTLY IN FRONT OF THE POLES.**
- (4) **PERSONNEL INJURY/HEAVY WEIGHT. A MINIMUM OF FOUR PERSONNEL ARE REQUIRED TO LIFT OR MOVE THE SHELTER.**
- (5) **PERSONNEL INJURY/BURN HAZARD. WHEN BURNING WEBBING TO PREVENT FRAYING, THE WEBBING WILL BECOME EXTREMELY HOT AND MELT.**
- (6) **PERSONNEL INJURY/TOXIC HAZARD. APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) INCLUDING GLOVES, GOGGLES OR FACEMASK AND COVERALLS ARE TO BE WORN WHEN USING MYSTOX.**
- (7) **PERSONNEL INJURY/TOXIC HAZARD. IF MYSTOX COMES INTO CONTACT WITH SKIN OR EYES WASH THE AFFECTED AREA IMMEDIATELY WITH WATER AND SEEK MEDICAL ATTENTION. JSP 437 REFERS.**
- (8) **PERSONNEL INJURY/TOXIC HAZARD. IF MYSTOX IS SWALLOWED, SEEK IMMEDIATE MEDICAL ATTENTION.**
- (9) **PERSONNEL INJURY/TOXIC HAZARD. ONLY USE MYSTOX IN AUTHORIZED AREAS. DO NOT USE WHERE THERE IS A DANGER OF SPILT MYSTOX ENTERING THE WATER COURSE INCLUDING PONDS, DITCHES OR WATERWAYS.**
- (10) **PERSONNEL INJURY/TOXIC HAZARD. DISPOSAL OF SURPLUS MYSTOX AND EMPTY CONTAINERS IS TO BE ORGANISED BY THE UNIT QUARTERMASTER/SUPPLY OFFICER IN ACCORDANCE WITH UNIT ENVIRONMENT STANDING ORDERS AND/OR LOCAL PUBLIC HEALTH BY-LAWS.**

**PURPOSE AND PLANNING INFORMATION**

**CONTENTS**

Para

	Equipment identity
1	Designation
2	Manufacturer
3	Role
4	Description
7	Manning requirements
8	Transportation data
9	Physical data
10	Environmental data

Table

Page

1	Physical data .....	2
---	---------------------	---

**EQUIPMENT IDENTITY**

**Designation**

- 1 The equipment is designated:
- SUNSHADE, 7.2 M x 5.4 M (24 FT x 18 FT)
- NSN: J11/8340-99-575-0779

**Manufacturer**

- 2 The equipment is manufactured by: TBC

**ROLE**

- 3 The Sunshade, 7.2 m x 5.4 m (24 ft x 18 ft) is designed to provide shaded shelters with approximately 70% of heat reduction in desert environments, when combined with insulation. It was originally developed for use with the ITC accommodation and field hospitals during exercise Saif Sareea.

**DESCRIPTION**

- 4 The Sunshade consists of a metal framework supporting a sand coloured cloth mesh. The framework is constructed of light alloy tubular members that are connected together by a variety of brackets.
- 5 The framework is designed to support a mesh shade approximately 300 mm above the shelter canvas, and cover the entire length of the shelter. The frame is free standing but must be appropriately strapped, weighted and pinned down to provide strength and stability.
- 6 The sunshade is extendable in units of 11 m (36 ft) and will cover any shelter up to the size of the 24 x 18 general purpose shelter, mark 2. The 24 x 18 sunshade can be attached to another 24 x 18 sunshade by 'Dutch Lacing' the ends together.

**MANNING REQUIREMENTS**

7 Deployment of the Sunshade, 7.2 m x 5.4 m (24 ft x 18 ft) is as follows:

7.1 Erection time 8 personnel = 15 mins

7.2 Striking time 8 personnel = 10 mins

**TRANSPORTATION DATA**

8 There is no transportation information available.

**PHYSICAL DATA**

9 Table 1 lists the physical data for the Sunshade, 24 x 18.

**TABLE 1 PHYSICAL DATA**

<b>Serial (1)</b>	<b>Item (2)</b>	<b>Detail (3)</b>
1	Pitching space	11 m x 8.53 m (36 ft x 28 ft)
2	Floor space	11 m x 7.9 m (36 ft. x 26 ft)
3	Height at ridge	3.3 m (11 ft)
4	Height at eaves	1.8 m (6 ft)
5	Width at eaves	5.5 m (18 ft)
6	Volume	N/A
7	Weight	250 kg
8	Floor area	N/A
9	Packed size	5 m <sup>3</sup>

**ENVIRONMENTAL DATA**

10 None.

COMMENT(S) ON AESP\*

To: Camp Systems  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

From: .....

<b>Senders Reference</b>	<b>BIN Number</b>	<b>Date</b>
<b>AESP* Title: PURPOSE AND PLANNING INFORMATION</b>		
<b>Chapter(s)/Instruction</b>	<b>Page(s)/Paragraph(s)</b>	
If you require more space please use the reverse of this form or a separate piece of paper. <b>Comment(s):</b>  		

Signed: ..... Telephone No: .....

Name (Capitals): ..... Rank/Grade: ..... Date: .....

✂ .....

FOR AESP\* SPONSOR USE ONLY

To: .....

From: .....

Thank you for commenting on AESP 8340-C-109-101

Your reference: ..... Date: .....

<b>Action is being taken to:</b>	<b>Tick</b>		<b>Tick</b>
Issue a revised/amended AESP*		Under investigation	
Incorporate comment(s) in future amendments		No action required	
<b>Remarks</b>  			

Signed: ..... Telephone No: .....

Name (Capitals): ..... Rank/Grade: ..... Date: .....

\* AESP or EMER







**CONDITIONS OF RELEASE**

- 1 This information is released by the UK Government for Defence purposes only.
- 2 This information must be afforded the same degree of protection as that afforded to information of an equivalent security marking originated by the recipient Government or as required by the recipient Government's National Security regulations.
- 3 This information may be disclosed only within the Defence Department of the recipient Government, except as otherwise authorised by the Ministry of Defence (Army).
- 4 This information may be subject to privately owned rights.

**SUNSHADE, 7.2 M x 5.4 M  
(24 FT x 18 FT)**

**NSN J11/8340-99-575-0779**

**OPERATING INFORMATION**

~~THIS DOCUMENT IS THE PROPERTY OF HER BRITANNIC MAJESTY'S GOVERNMENT, and is issued for the information of such persons only as need to know its contents in the course of their official duties. Any person finding this document should hand it to a British forces unit or to a police station for its safe return to the MINISTRY OF DEFENCE, D Def Sy, MAIN BUILDING, WHITEHALL, LONDON SW1A 2HB, with particulars of how and where found. THE UNAUTHORISED RETENTION OR DESTRUCTION OF THIS DOCUMENT MAY BE AN OFFENCE UNDER THE OFFICIAL SECRETS ACTS OF 1911-1989. (When released to persons outside Government service, this document is issued on a personal basis and the recipient to whom it may be entrusted in confidence, within the provisions of the Official Secrets Acts 1911-1989, is personally responsible for its safe custody and for seeing that its contents are disclosed only to authorized persons).~~

Sponsored for use

in the

**UNITED KINGDOM MINISTRY OF DEFENCE AND ARMED FORCES**

by the

**DEFENCE EQUIPMENT AND SUPPORT ORGANISATION**



**AMENDMENT RECORD**

Amdt No	Incorporated By (Signature)	Date
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		

Amdt No	Incorporated By (Signature)	Date
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		



**CONTENTS**

	Page
<b>PRELIMINARY MATERIAL</b>	
Front cover (title page) .....	(i)/(ii)
Amendment record sheet .....	(iii)/(iv)
Contents (this list) .....	(v)
PREFACE .....	(vi)
Introduction .....	(vi)
Related and associated publications .....	(vii)
Related publications .....	(vii)
Associated publications .....	(viii)
Abbreviations .....	(ix)
Warnings and Cautions .....	(x)-(xi)/(xii)
Comment on AESP .....	Final leaf
 <b>OPERATING INFORMATION</b>	

## PREFACE

Sponsor: DEC ELS  
Publication Authority: DE&S  
ECI IPT

## INTRODUCTION

1 Service users should forward any comments on this publication through the channels prescribed in AESP 0100-P-011-013. An AESP Form 10 is provided at the end of the preliminary pages; it should be photocopied and used for forwarding comments on this AESP.

2 AESPs are issued under Defence Council authority and where AESPs specify action to be taken, the AESP will of itself be sufficient authority for such action and also for the demanding of the necessary stores, subject to the provisions of Para 3 below.

3 The subject matter of this publication may be affected by Defence Instruction Notices (DINs), Standard Operating Procedures (SOPs) or by local regulations. When any such Instruction, Order or Regulation contradicts any portion of this publication it is to be taken as the overriding authority.

**RELATED AND ASSOCIATED PUBLICATIONS**

**Related publications**

4 The octad for the subject equipment consists of all the categories shown in Table 1. All references are prefixed with the first eight digits of this publication. The availability of the publications can be checked by reference to the relevant Group Index in AESP 0100-A-001-013.

**TABLE 1 RELATED PUBLICATIONS**

Category/Sub-Category		Information Level				
		1 User/Operator	2 Unit Maintenance	3 Field Maintenance	4 Base Maintenance	
1	0	Purpose and Planning Information	101	*	*	*
	1	Equipment Support Policy Directives	*	*	*	*
2	0	Operating Information	201	*	*	*
	1	Aide Memoire		*	*	*
	2	Training Aids	*	*	*	*
3		Technical Description	*	*	*	*
4	1	Installation Instructions	*	*	*	*
	2	Preparation for Special Environments	*	*	*	*
5	1	Failure Diagnosis	*	*	*	*
	2	Repair Instructions	*	*	*	*
	3	Inspection Standards	*	*	*	*
	4	Calibration Procedures	*	*	*	*
6		Maintenance Schedules	*	*	*	*
7	1	Illustrated Parts Catalogues	*	*	*	*
	2	Commercial Parts Lists	711	*	*	*
	3	Complete Equipment Schedule, Production	*	*	*	*
	4	Complete Equipment Schedule, Service Edition (Simple Equipment)	*	*	*	*
	5	Complete Equipment Schedule, Service Edition (Complex Equipment)	741	*	*	*
8	1	Modification Instructions	*	*	*	*
	2	General Instructions, Special Technical Instructions and Servicing Instructions	*	*	*	*
	3	Service Engineered Modification Instructions (RAF only)	*	*	*	*

\* Category/Sub-category not published.

**Associated publications**

5 The following publications are associated with this AESP octad.

<u>Reference</u>	<u>Title</u>
------------------	--------------

NONE	
------	--



## ABBREVIATIONS

6 The following abbreviations are used in this AESP octad.

<u>Abbreviation</u>	<u>Nomenclature</u>
AESP	Army Equipment Support Publication
DIN	Defense Instruction Notices
Fig	Figure
ft	feet (foot)
ft <sup>3</sup>	feet cubed
in.	inch
kg	kilogram
lb	pound
m	metre
m <sup>2</sup>	metres squared
m <sup>3</sup>	metres cubed
mm	millimeters
NATO	North Atlantic Treaty Organisation
NSCM	NATO Supply Code for Manufacturers
NSN	NATO Stock Number
Para	Paragraph
PPE	Personal Protective Equipment
SOP	Standard Operating Procedures

**WARNINGS AND CAUTIONS****HAZARDOUS SUBSTANCES**

7 Before using any hazardous substances or material, the user must be conversant with the safety precautions and first aid instructions:

- 7.1 on the label of the container it was supplied in;
- 7.2 on the material Safety Data Sheet;
- 7.3 in local Safety Orders and Regulations.

**WARNINGS**

- (1) **PERSONNEL INJURY/EQUIPMENT DAMAGE. SUFFICIENT PERSONNEL ARE REQUIRED WHEN LIFTING THE ASSEMBLED ROOF. THE MINIMUM IS ONE PERSON PER WALL MEMBER.**
- (2) **PERSONNEL INJURY/CRUSH HAZARD. EXERCISE CAUTION WHEN ASSEMBLING POLES AND BRACKETS DUE TO THE RISK OF CRUSH INJURY TO FINGERS.**
- (3) **PERSONNEL INJURY. WHEN POLES ARE CURVED UNDER TENSION THERE IS A HIGH RISK THAT THEY MAY SLIP AND SPRING BACK TO THEIR STRAIGHT RELAXED POSITION. PERSONNEL SHOULD NOT POSITION THEMSELVES DIRECTLY IN FRONT OF THE POLES.**
- (4) **PERSONNEL INJURY/HEAVY WEIGHT. A MINIMUM OF FOUR PERSONNEL ARE REQUIRED TO LIFT OR MOVE THE SHELTER.**
- (5) **PERSONNEL INJURY/BURN HAZARD. WHEN BURNING WEBBING TO PREVENT FRAYING, THE WEBBING WILL BECOME EXTREMELY HOT AND MELT.**
- (6) **PERSONNEL INJURY/TOXIC HAZARD. APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) INCLUDING GLOVES, GOGGLES OR FACEMASK AND COVERALLS ARE TO BE WORN WHEN USING MYSTOX.**
- (7) **PERSONNEL INJURY/TOXIC HAZARD. IF MYSTOX COMES INTO CONTACT WITH SKIN OR EYES WASH THE AFFECTED AREA IMMEDIATELY WITH WATER AND SEEK MEDICAL ATTENTION. JSP 437 REFERS.**
- (8) **PERSONNEL INJURY/TOXIC HAZARD. IF MYSTOX IS SWALLOWED, SEEK IMMEDIATE MEDICAL ATTENTION.**
- (9) **PERSONNEL INJURY/TOXIC HAZARD. ONLY USE MYSTOX IN AUTHORIZED AREAS. DO NOT USE WHERE THERE IS A DANGER OF SPILT MYSTOX ENTERING THE WATER COURSE INCLUDING PONDS, DITCHES OR WATERWAYS.**
- (10) **PERSONNEL INJURY/TOXIC HAZARD. DISPOSAL OF SURPLUS MYSTOX AND EMPTY CONTAINERS IS TO BE ORGANISED BY THE UNIT QUARTERMASTER/SUPPLY OFFICER IN ACCORDANCE WITH UNIT ENVIRONMENT STANDING ORDERS AND/OR LOCAL PUBLIC HEALTH BY-LAWS.**

## CAUTIONS

- (1) **EQUIPMENT DAMAGE.** The shelter is to be pitched on firm level ground and it is essential that adequate anchorage or ballast be placed on the coated fabric sod cloths at the bottom of the wall and ends of the shelter. The listed tent pins or spoil from drainage trenches is suitable for this purpose and may be used in sandbags or other flexible containers, if available. Guy lines are also provided to give additional stability under high wind conditions.
- (2) **EQUIPMENT DAMAGE.** Wet canvas should never be folded or packed unless circumstances render this unavoidable. Shelters should therefore be left to dry thoroughly before they are struck. If the shelter is not completely dry the officer in charge of the campsite or receiving unit is to be informed.
- (3) **EQUIPMENT DAMAGE.** All insulation panels can be added after the shelter has been erected EXCEPT the roof panel that must be attached to the frame prior to the canvas. Due to the structure of the insulation it must not be crushed, as this will drastically reduce its effectiveness.
- (4) **EQUIPMENT DAMAGE.** When lifting the roof, the supervisor must ensure that the lift is even along the length of the frame, thus avoiding distortion of the brackets and poles.
- (5) **EQUIPMENT DAMAGE.** The sunshade is to be erected prior to the shelter if possible or alternatively moved into position over the tent after assembly with the base restraint straps being added after it is in its final position. The ratchet straps should not be over tightened and never used if damaged.
- (6) **EQUIPMENT DAMAGE.** The shelter is to be erected on ground that has been cleared of any large stones or rubble.
- (7) **EQUIPMENT DAMAGE.** A power washer may be used at low pressure with warm water. Use judgement and caution regarding water pressure and temperature.
- (8) **EQUIPMENT DAMAGE.** Do not use solvents or detergents to clean the shelter as they will dissolve the protective coating on the fabric.



**OPERATING INFORMATION**

**CONTENTS**

Para

1	Description Pitching (WARNING) (CAUTION)
6	Deployment
7	Assemble the roof framework
8	Attach the cloth
9	Raise the sunshade
10	Position the sunshade
11	Secure the sunshade
13	Fit the ground sheet
15	Extending the shelter
17	Striking (WARNING)
18	Folding
19	Packing
	Maintenance instructions
20	Introduction
21	Common causes of damage to canvas
22	Effects of damp
26	Damage to poles and brackets
	Proofing (WARNINGS)
27	Introduction
28	Personal protective equipment (PPE) JSP 437
30	Mystox - Instructions for use (WARNINGS)

Table

Page

1	PPE .....	12
---	-----------	----

Fig

1	Sunshade, typical .....	2
2	Sunshade, 7.2 m x 5.4 m (24 ft x 18 ft) framework .....	3
3	Attaching the cloth to the roof frame assembly .....	4
4	Base restraint strap fixing .....	5
5	Dutch lacing, step 1 .....	6
6	Dutch lacing, step 2 .....	7
7	Dutch lacing, step 3 .....	7
8	Dutch lacing, step 4 .....	7
9	Dutch lacing, step 5 .....	8
10	Dutch lacing, step 6 .....	8
11	Dutch lacing, step 7 .....	8
12	Dutch lacing, step 8 .....	9

**DESCRIPTION**

1 Fig 1 shows deployment of a typical sunshade.

2 The Sunshade, 7. m x 3.6 m (24 ft x 18 ft) is a framed shelter with virtually no side walls. The frame is composed of aluminium poles and brackets with a one piece fabric cover fitted over the top. The sunshade is extendable in units of 11 m (36 ft) and will cover any shelter up to the size of a 24 ft x 18 ft General Purpose Mk 2.



Fig 1 Sunshade, typical

3 The sunshade framework is designed to support a mesh shade approximately 300 mm above the canvas of a shelter and cover the entire length of the shelter. The mesh sunscreen helps to reduce the solar loading on the tent/shelter by up to 68%.

4 The frame is free standing but must be appropriately strapped, weighted and pinned down to provide strength and stability.

5 Each sunshade is extendable by itself. The sunshades are attached to each other by 'Dutch Lacing' the ends together.

#### PITCHING

#### WARNING

**PERSONNEL INJURY/EQUIPMENT DAMAGE. SUFFICIENT PERSONNEL ARE REQUIRED WHEN LIFTING THE ASSEMBLED ROOF. THE MINIMUM IS ONE PERSON PER WALL MEMBER.**

#### CAUTION

(1) **EQUIPMENT DAMAGE.** The shelter is to be pitched on firm level ground and it is essential that adequate anchorage or ballast be placed on the coated fabric sod cloths at the bottom of the wall and ends of the shelter. The listed tent pins or spoil from drainage trenches is suitable for this purpose and may be used in sandbags or other flexible containers, if available. Guy lines are also provided to give additional stability under high wind conditions.

(2) **EQUIPMENT DAMAGE.** The sunshade is to be erected prior to the shelter if possible or alternatively moved into position over the tent after assembly with the base restraint straps being added after it is in its final position. The ratchet straps should never be overtightened and should never be used if damaged.

(3) **EQUIPMENT DAMAGE.** When lifting the roof, the supervisor must ensure that the lift is even along the length of the frame, thus avoiding distortion of the brackets and poles.

## Deployment

6 The pitching party for the sunshade 24 x 18 will comprise of fourteen personnel and a supervisor.

### Assemble the roof framework

7 Refer to Fig 2 and proceed as follows:

7.1 Lay out the components and assemble the roof frame.

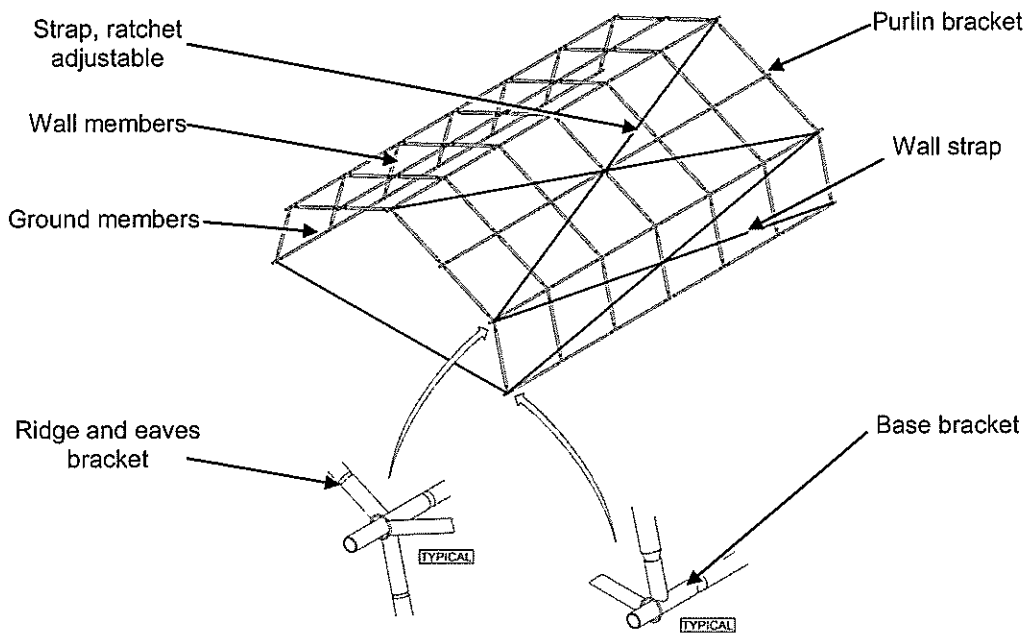


Fig 2 Sunshade, 7.2 m x 5.4 m (24 ft x 18 ft) framework

7.2 The roof frame is comprised of 6 ft tubular alloy poles, purlin brackets and ridge and eaves brackets.

7.3 Fit the straps, ratchet adjustable (qty 4) diagonally between the eaves brackets on the ridge and the eaves bracket on the eaves.

7.4 Ensure that the straps are not twisted and that the ratchets are on the inside of the shade.

### Attach the cloth

8 To attach the cloth to the roof frame, refer to Fig 3 and proceed as follows:

#### NOTE

Fig 3 shows the attachment of the cloth to the Sunshade 12 x 12. The general principle is exactly the same.

8.1 Lay the cloth over the assembled roof section ensuring that the rubbing strips and the label are on the underside.

8.2 Use the tensioners through the eyelets at either end of the cloth to attach the cloth to the roof frame.

8.3 Tie off the internal tapes to the roof frame assembly.





Fig 3 Attaching the cloth to the roof frame assembly

### Raise the sunshade

9 To raise the sunshade, proceed as follows

#### NOTE

One person is required for each wall member and the lift must be even to avoid distortion and damage to the frame.

- 9.1 Lift one side of the roof to shoulder height and assemble the wall and ground members.
- 9.2 Slide two tie down rings over each of the base members.
- 9.3 Attach and tighten the adjustable wall straps diagonally between opposing corners as shown in ().
- 9.4 Ensure that the straps are not twisted and that the ratchets are on the inside of the shade.
- 9.5 Repeat the operations detailed in para 9.1 to 9.4 and raise the other side.
- 9.6 Secure the sunshade with the side wall cords as follows:
  - 9.6.1 Pass one end of a side wall cord through a tie down ring on the base member.
  - 9.6.2 Pass the other end of the cord through the eyelet in the cloth above the ring and tie the two ends of the cord together.
  - 9.6.3 Repeat the operation for each tie down ring on the frame.

### Position the sunshade

10 To position the sunshade, proceed as follows:

- 10.1 Position one personnel on each vertical member
- 10.2 Lift the framework ensuring that the lift is even to avoid distortion and damage to the frame.
- 10.3 Walk the sunshade into position over the shelter under direction of the supervisor.



### Secure the sunshade

11 To secure the sunshade, proceed as follows:

11.1 Refer to Fig 4 and fit the base restraint straps.

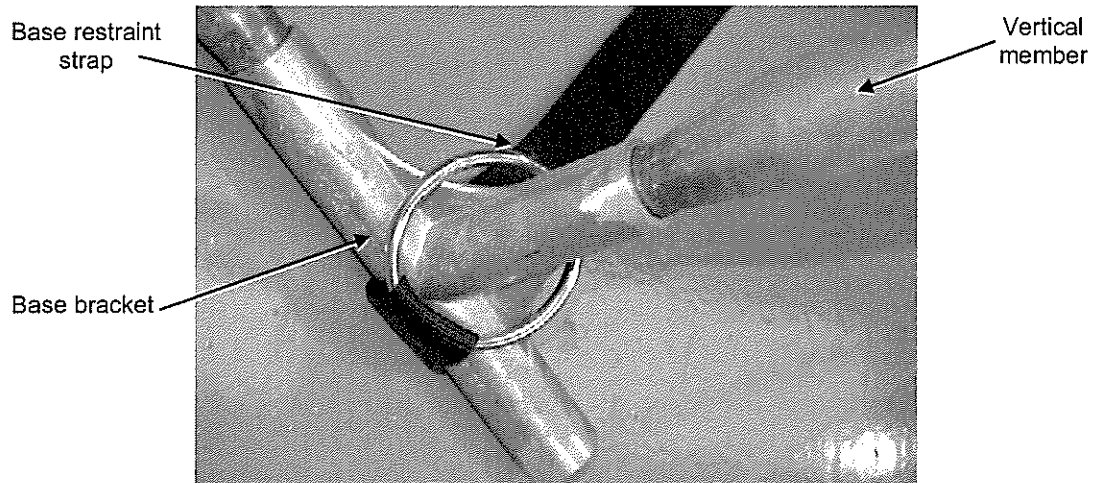


Fig 4 Base restraint strap fixing

11.2 Slacken the wall straps on one side of the framework.

11.3 Lift the vertical members out of the base brackets and place the ring of the base restraint strap over the base brackets.

11.4 Refit the vertical members in the base brackets and re-tighten the wall straps.

11.5 Pass the strap underneath the base bracket and position next to the base bracket on the opposite side of the frame.

11.6 Repeat the operations detailed in para 11.2 to 11.4 and secure the base restraining straps to the opposite side of the framework, taking care to ensure that the straps are not twisted.

11.7 Use the pins to anchor the sunshade to the ground ensuring that the pins are placed alternately on the inside and outside of the framework. The pins are especially designed to hook over the base members.

11.8 Attach the end guy straps to the eaves brackets at each of the framework.

11.9 Anchor the guys to ground outside of the shelter with pins.

11.10 In windy conditions, it may be necessary to apply ballast to the base members. Sandbags (F2/5610-99-200-4386) filled with spoil from the drainage trench is recommended for this purpose.

12 When pegging out the shelter, proceed as follows:

12.1 Pins for shelter lines should be driven at an angle of 60 degrees from the horizontal approximately four fifths into the ground whereby the bottom of the hook or head of the pin is level with the ground and approximately 300 mm (1ft) from the edge of the sod cloth.

12.2 Hooks on tent pins should face in the opposite direction to the pulling force of the line and any cords should be placed around the pin prior to pegging.

12.3 For ease of driving the pins into the ground and to obtain the correct angle, personnel should try to position themselves behind the pin, facing away from the direction of the pulling force of the line when striking.

- 12.4 Avoid unequal strain and wear on the canvas by ensuring that:
- 12.4.1 Weather lines are not twisted and lie flat across the canvas.
  - 12.4.2 Restraint and insulation straps are not twisted and lie flat across the insulation.
  - 12.4.3 Doorways are closed while erection and pegging is carried out.

#### Fit the ground sheet

13 If the sunshade is being used as a stand alone shelter it may be necessary to fit the groundsheet. To fit the groundsheet, proceed as follows:

- 13.1 Ensure that the ground area to be covered is free of debris.
- 13.2 Spread the groundsheet over the floor area taking care to smooth out any creases.
- 13.3 Attach the sides of the groundsheet to the base of the frame using tensioners.
- 13.4 Secure the ends of the groundsheet to the ground using tent pins if necessary.

14 When fitting multiple groundsheets to form a passageway, proceed as follows:

- 14.1 Fit the groundsheets in accordance with para13.
- 14.2 Overlap the groundsheets ensuring that the peg rings align.
- 14.3 Secure the overlapping groundsheets with tent pins.

#### Extending the shelter

15 If it is necessary to connect more than one shelter together the canvasses are secured to each other by 'Dutch Lacing' the ends together.

16 The following sequence of figures gives a general demonstration of how to lace two canvasses together using the 'Dutch Lacing' procedure.

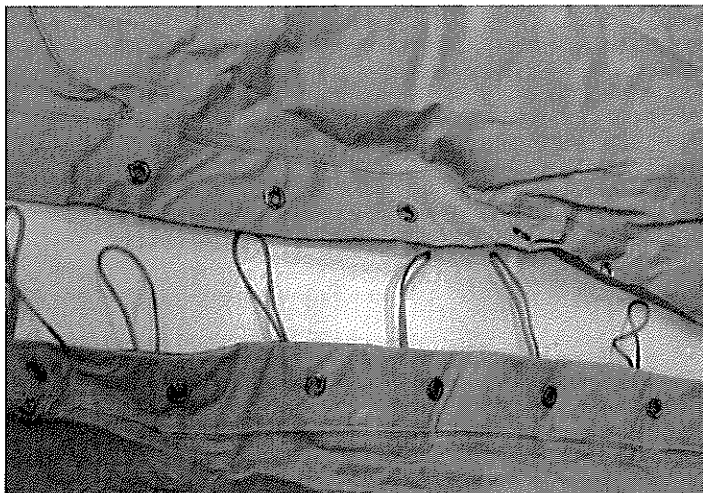


Fig 5 Dutch lacing, step 1



Fig 6 Dutch lacing, step 2



Fig 7 Dutch lacing, step 3



Fig 8 Dutch lacing, step 4

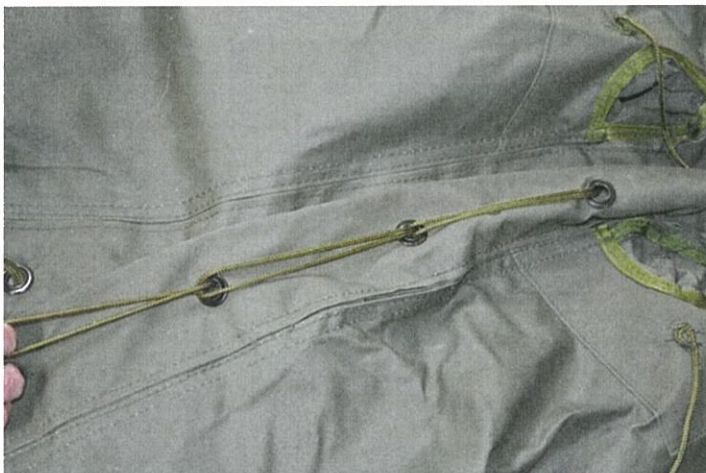


Fig 9 Dutch lacing, step 5

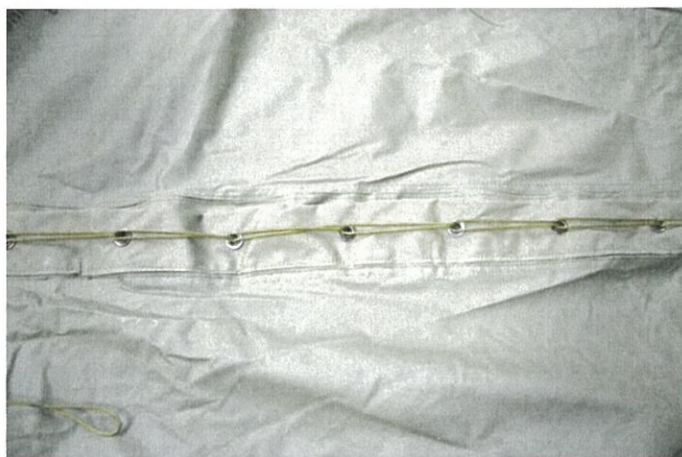


Fig 10 Dutch lacing, step 6



Fig 11 Dutch lacing, step 7





Fig 12 Dutch lacing, step 8

### STRIKING

### WARNING

**EQUIPMENT DAMAGE. WET CANVAS SHOULD NEVER BE FOLDED OR PACKED UNLESS CIRCUMSTANCES RENDER THIS UNAVOIDABLE. SHELTERS SHOULD THEREFORE BE LEFT TO DRY THOROUGHLY BEFORE THEY ARE STRUCK. IF THE SHELTER IS NOT COMPLETELY DRY THE OFFICER IN CHARGE OF THE CAMPSITE OR RECEIVING UNIT IS TO BE INFORMED.**

- 17 Striking the shelter is the reverse of the pitching procedure.

### FOLDING

- 18 To fold the sunshade cloth, proceed as follows:
  - 18.1 Lay the cloth flat on the ground with the outer side uppermost.
  - 18.2 Brush off any debris.
  - 18.3 Fold the two ends in half to meet in the centre.
  - 18.4 Fold the two sides in half to meet in the centre.
  - 18.5 Fold twice to make a strip approximately 1 m (3 ft) wide.
  - 18.6 Roll to form the smallest possible bundle.

### PACKING

- 19 To pack the shelter, proceed as follows:
  - 19.1 Whenever it becomes necessary to pack canvas in a wet condition the packages are to be clearly marked 'NOT DRY'.
  - 19.2 If the wet canvas is being retained in the campsite, the officer in charge is to be notified of the condition of the canvas so that he can arrange for it to be dried at the earliest opportunity.
  - 19.3 If the wet canvas is to be despatched, the consignee is to be notified by telephone or signal so that the canvas can be unpacked and dried as soon as possible after receipt.
  - 19.4 Place the folded shelter canvas in the Valise with the straps.

- 19.5 Place the shelter frame components and the tent pins in the bags provided.

## **MAINTENANCE INSTRUCTIONS**

### **Introduction**

20 The life of tentage can be enhanced considerably if reasonable care is taken whilst in use or in storage. Such care will also help to minimise costs involved in refurbishment after exercises or operations.

### **Common causes of damage to canvas**

21 Common causes of damage to canvas are as follows:

- 21.1 Burns, due to careless smoking or siting of shelters near braziers or incinerators.
- 21.2 Holes due to careless pitching, stacking or stowage of articles too close to shelter walls. When shelters are used for storage, stacks should be approximately 60 mm (2 ft) from the walls and should not touch the canvas at any point. Gangways are essential in case of fire.
- 21.3 Tears in canvas can be caused through over-taut weather lines. In wet weather, lines directly attached to the canvas should be slackened.
- 21.4 Tears in the sod-cloth can be caused by walking on it if there are sharp stones or rubble beneath, or if sharp rubble is used to ballast the shelter.
- 21.5 Damage to the fabric may occur as a result of folding canvasses when wet, or on ground contaminated by oil etc.
- 21.6 Similarly, fabric may be damaged when shelters are used as kitchens or medical theatres if blood, grease or other fats come into contact with the canvas. Canvas should be rinsed off as soon as possible should this occur. Work surfaces that would normally have blood, grease or other fats on them should be kept clear of the canvas. Grease and fats will also become a fire hazard if not cleaned.
- 21.7 Grease or oil on the hands or clothing of personnel handling or using the tentage will cause damage if in contact with the canvas.
- 21.8 Care must be exercised when loading or unloading tentage into or from vehicles to avoid damage from contact with projections on the vehicle.
- 21.9 Vehicles must be examined before loading to check for dirty or contaminated interiors or any oily or dirty items. Unless they can be cleaned prior to loading tentage, such vehicles should not be employed.
- 21.10 In overseas theatres where native flora and fauna may damage the canvas, regular checks should be carried out.
- 21.11 When joining a number of shelters together, care should be taken to avoid abnormal stress being placed on the canvas.
- 21.12 Exposure to Ultra Violet (UV) light causes damage to all fabrics. To prolong the life of a shelter in areas of high UV an appropriate sunshade should be used.

### **EFFECTS OF DAMP**

22 Wet or damp canvas deteriorates rapidly. If stored in this condition it is liable to catch fire due to spontaneous combustion.

23 All canvas must be thoroughly dry before storing. Stacks should be examined periodically and any damp or suspect canvas removed and examined immediately.

24 Storehouses employed for storing tentage should be inspected regularly for any sources of water ingress.

25 Shelter weather lines and ropes should be dry before storing.

#### **DAMAGE TO POLES AND BRACKETS**

26 Common causes of damage to shelter poles are as follows:

26.1 Distortion of alloy shelter frames through misuse and carelessness, i.e. using the alloy poles as bearers or levers, or permitting components to lie where they can be crushed by vehicle tyres/tracks.

26.2 Excessive use of force when fitting the framework together. Care should be taken to ensure that the hollow ends of the components are free from dirt or other blockages.

26.3 Employing too few people when pitching and striking tentage will result in loss of control over the twisting and bending of the frame and will eventually result in the components becoming unserviceable.

26.4 Excessive loading to the roof such as snow, sand and other debris. Personnel should never climb on or over any shelters.

#### **PROOFING**

#### **WARNINGS**

**(1) PERSONNEL INJURY/TOXIC HAZARD. APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) INCLUDING GLOVES, GOGGLES OR FACEMASK AND COVERALLS ARE TO BE WORN WHEN USING MYSTOX. JSP 437 REFERS**

**(2) PERSONNEL INJURY/TOXIC HAZARD. IF MYSTOX COMES INTO CONTACT WITH SKIN OR EYES WASH THE AFFECTED AREA IMMEDIATELY WITH WATER AND SEEK MEDICAL ATTENTION.**

**(3) PERSONNEL INJURY/TOXIC HAZARD. IF MYSTOX IS SWALLOWED, SEEK IMMEDIATE MEDICAL ATTENTION.**

**(4) PERSONNEL INJURY/TOXIC HAZARD. ONLY USE MYSTOX IN AUTHORIZED AREAS, DO NOT USE WHERE THERE IS A DANGER OF SPILT MYSTOX ENTERING THE WATERCOURSE INCLUDING PONDS, DITCHES OR WATERWAYS.**

**(5) PERSONNEL INJURY/TOXIC HAZARD. DISPOSAL OF SURPLUS MYSTOX AND EMPTY CONTAINERS IS TO BE ORGANISED BY THE UNIT QUARTERMASTER/SUPPLY OFFICER IN ACCORDANCE WITH UNIT ENVIRONMENT STANDING ORDERS AND/OR LOCAL PUBLIC HEALTH BY-LAWS.**

#### **Introduction**

27 A waterproofing agent Mystox TRP (8030-99-225-1573) is available for the renovation of all canvas tentage. This is a preservative coating that is an olive drab, water solvent emulsion that will restore the Flame resistance, Water resistance and Rot Resistance (FWRR).

#### **Personal protective equipment (PPE) JSP 437**

28 Table 1 details some of the NATO Stock Numbers (NSNs) of suitable Personal Protective Equipment (PPE) for personnel using Mystox.

29 Units that do not have sufficient quantities of the items to equip a 4-6 person reproofing team should demand items through the normal supply chain. A team should be sufficient to reproof a battalion's entitlement of shelters.

TABLE 1 PPE

Serial (1)	Item (2)	D of Q:	DMC	NSN (3)	Size (4)
	<b>GLOVES</b>				
1	Chemical & Oil Protective	PR	GL	8415-99-132-1427	Size 7
2	Chemical & Oil Protective	PR	GL	8415-99-132-1428	Size 8
3	Chemical & Oil Protective	PR	GL	8415-99-132-1429	Size 9
4	Chemical & Oil Protective	PR	GL	8415-99-132-1430	Size 10
5	Chemical & Oil Protective	PR	GL	8415-99-978-3706	Size 7
6	Chemical & Oil Protective	PR	GL	8415-99-978-3707	Size 8
7	Chemical & Oil Protective	PR	GL	8415-99-978-3708	Size 9
8	Chemical & Oil Protective	PR	GL	8415-99-978-3709	Size 10
9	Chemical & Oil Protective	PR	GL	8415-99-978-3710	Size 11
10	Rubber		GL	8415-99-130-8250	Size Small
11	Rubber		GL	8415-99-130-8251	Size Medium
12	Rubber		GL	8415-99-130-4729	Size Large
13	Rubber		GL	8415-99-130-8252	Size Extra Large
14	Rubber		GL	8415-99-571-3559	Size 7/7 IA
15	Rubber		GL	8415-99-571-3560	Size 8/8 1/2
16	Rubber		GL	8415-99-571-3561	Size 9/9 1/2
17	Rubber		GL	8415-99-571-3562	Size 10/10 1/2
	<b>GOGGLES, INDUSTRIAL</b>				
18	Goggles	EA	VO47	4240-99-577-3798	
19	Goggles	EA	VO47	8415-99-130-9776	
	<b>COVERALLS</b>				
20	Coverall, disposable		CAS	8415-99-130-8302	Size M
21	Coverall, disposable		CAS	8415-99-130-8303	Size L
22	Coverall, disposable		CAS	8415-99-130-8304	Size XL
23	Coverall, disposable		CAS	8415-99-665-7624	Size XXL
24	Coverall, disposable		CAS	8415-99-665-7625	Size XXXL
25	Coverall, disposable		CAS	8415-99-978-4772	Size M
26	Coverall, disposable		CAS	8415-99-978-4773	Size L
27	Coverall, disposable		CAS	8415-99-978-4774	Size XL
28	Coverall, disposable		CAS	8415-99-978-4775	Size XXL
29	Coverall, disposable		CAS	8415-99-978-4776	Size XXXL
	<b>FACEMASK</b>				
30	Mask, disposable		VO47	4240-99-132-1426	
31	Mask, disposable		VO47	4240-99-257-8006	



**Mystox - Instructions for use**

**WARNINGS**

**(1) PERSONNEL INJURY/TOXIC HAZARD. APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) INCLUDING GLOVES, GOGGLES OR FACEMASK AND COVERALLS ARE TO BE WORN WHEN USING MYSTOX. JSP 437 REFERS**

**(2) PERSONNEL INJURY/TOXIC HAZARD. IF MYSTOX COMES INTO CONTACT WITH SKIN OR EYES WASH THE AFFECTED AREA IMMEDIATELY WITH WATER AND SEEK MEDICAL ATTENTION.**

**(3) PERSONNEL INJURY/TOXIC HAZARD. IF MYSTOX IS SWALLOWED, SEEK IMMEDIATE MEDICAL ATTENTION.**

**(4) PERSONNEL INJURY/TOXIC HAZARD. ONLY USE MYSTOX IN AUTHORIZED AREAS. DO NOT USE WHERE THERE IS A DANGER OF SPILT MYSTOX ENTERING THE WATERCOURSE INCLUDING PONDS, DITCHES OR WATERWAYS.**

**(5) PERSONNEL INJURY/TOXIC HAZARD. DISPOSAL OF SURPLUS MYSTOX AND EMPTY CONTAINERS IS TO BE ORGANISED BY THE UNIT QUARTERMASTER/SUPPLY OFFICER IN ACCORDANCE WITH UNIT ENVIRONMENT STANDING ORDERS AND/OR LOCAL PUBLIC HEALTH BY-LAWS.**

30 To apply Mystox, proceed as follows:

30.1 The emulsion is to be applied with a brush only. Spray painting is strictly forbidden.

30.2 The emulsion should be well stirred and look like ordinary emulsion paint. If it thickens during application it should be thinned by adding a small amount of water.

30.3 Under cold conditions it may be necessary to stir for a longer period than under warm conditions.

30.4 The emulsion should be stored in a temperature that does not fall below 0°C. If after extended storage, it can be applied with a brush without balling or curdling it should perform satisfactorily.

30.5 Only those parts of the tent which leak (i.e. most worn areas and seams) should be treated.

30.6 If, in spite of wearing protective clothing any Mystox comes into contact with the skin, the affected area should be washed immediately with water.

30.7 Disposal of surplus emulsion and empty containers must be organised by the unit.

30.8 Quartermaster/Supply Officer in accordance with the local public health by-laws and advice of local authorities must be sought as regulations may vary from area to area.

30.9 Drying time with good drying conditions is between seven and eight hours. To ensure that the emulsion is absolutely dry, whenever possible drying should be extended over 24 hours in a warm dry atmosphere.

30.10 Application can be made onto a damp canvas if necessary. In such a case extra care with drying is essential.

30.11 Mystox is issued in 25 kg containers therefore it will probably be necessary to decant the liquid into smaller containers. These are to be suitably labelled and treated for disposal in the same way as the original containers.

30.12 It is advisable, whenever practicable, to reproof shelters whilst they are erected and to leave them standing during the drying process. This is of course more difficult for the larger shelters that may require their roofs to be reproofed prior to complete erection. Alternatively, a brush on an extended handle can be used, however extra care must be taken to ensure splashes and spillage are kept to a minimum and cleaned as soon as possible.

30.13 After use, all protective clothing should be scrubbed in soapy water and then thoroughly rinsed to aid the removal of residual deposits of Mystox.

30.14 Hands should be washed thoroughly and nails scrubbed with warm soapy water.

30.15 Mystox emulsion paint dries fairly hard, and provided that sufficient drying time is allowed, no problems with sticking (tackiness) should occur.

30.16 If cracking or flaking occurs, the applied layer of Mystox is too thick, and any excess should be removed and Mystox re-applied as necessary.

**COMMENT(S) ON AESP\***

To: Camp Systems

From: .....  
.....  
.....



<b>Senders Reference</b>	<b>BIN Number</b>	<b>Date</b>
<b>AESP* Title: OPERATING INFORMATION</b>		
<b>Chapter(s)/Instruction</b>	<b>Page(s)/Paragraph(s)</b>	
If you require more space please use the reverse of this form or a separate piece of paper. <b>Comment(s):</b>		

Signed: ..... Telephone No: .....

Name (Capitals): ..... Rank/Grade: ..... Date: .....

✂ .....  
.....

**FOR AESP\* SPONSOR USE ONLY**

To: ..... From: .....  
.....  
.....  
.....

Thank you for commenting on AESP 8340-C-109-201

Your reference: ..... Date: .....

<b>Action is being taken to:</b>	<b>Tick</b>		<b>Tick</b>
Issue a revised/amended AESP*		Under investigation	
Incorporate comment(s) in future amendments		No action required	
<b>Remarks</b>			

Signed: ..... Telephone No: .....

Name (Capitals): ..... Rank/Grade: ..... Date: .....

\* AESP or EMER





**CONDITIONS OF RELEASE**

- 1 This information is released by the UK Government for Defence purposes only.
- 2 This information must be afforded the same degree of protection as that afforded to information of an equivalent security marking originated by the recipient Government or as required by the recipient Government's National Security regulations.
- 3 This information may be disclosed only within the Defence Department of the recipient Government, except as otherwise authorised by the Ministry of Defence (Army).
- 4 This information may be subject to privately owned rights.

**SUNSHADE, 7.2 M x 5.4 M  
(24 FT x 18 FT)**

**J11/8340-99-575-0779**

**ILLUSTRATED PARTS CATALOGUE (IPC)**

~~THIS DOCUMENT IS THE PROPERTY OF HER BRITANNIC MAJESTY'S GOVERNMENT, and is issued for the information of such persons only as need to know its contents in the course of their official duties. Any person finding this document should hand it to a British forces unit or to a police station for its safe return to the MINISTRY OF DEFENCE, D Def Sy, MAIN BUILDING, WHITEHALL, LONDON SW1A 2HB, with particulars of how and where found. THE UNAUTHORISED RETENTION OR DESTRUCTION OF THIS DOCUMENT MAY BE AN OFFENCE UNDER THE OFFICIAL SECRETS ACTS OF 1911-1989. (When released to persons outside Government service, this document is issued on a personal basis and the recipient to whom it may be entrusted in confidence, within the provisions of the Official Secrets Acts 1911-1989, is personally responsible for its safe custody and for seeing that its contents are disclosed only to authorized persons).~~

Sponsored for use

in the

**UNITED KINGDOM MINISTRY OF DEFENCE AND ARMED FORCES**

by the

**DEFENCE EQUIPMENT AND SUPPORT ORGANISATION**



AMENDMENT RECORD

Amdt No	Incorporated By (Signature)	Date
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		

Amdt No	Incorporated By (Signature)	Date
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		





**CONTENTS**

	Page
<b>PRELIMINARY MATERIAL</b>	
Front cover (title page) .....	(i)/(ii)
Amendment record sheet .....	(iii)/(iv)
Contents (this list) .....	(v)
PREFACE .....	(vi)
Introduction .....	(vi)
Instructions for use by Units .....	(vi)
Initial issues .....	(vi)
In lieu items .....	(vi)
General Notes .....	(vii)
Amendments .....	(vii)
Indentations .....	(vii)
Description .....	(vii)
Related and associated publications .....	(viii)
Related publications .....	(viii)
Associated publications .....	(ix)
Abbreviations .....	(ix)
Warnings and Cautions .....	(x)
Comment on AESP .....	Final leaf

**ILLUSTRATED PARTS CATALOGUE (IPC)**

Chapter

- 1 General Information
- 2 Illustrated Parts Catalogue
- 2-1 Main Items
- 2-2 Sunshade Component Kit
- 3 Indexes
- 3-1 Index of NATO Stock Numbers to Chapter, Figure and Item Numbers
- 3-2 Index of Manufacturers Part/drawing Numbers to Chapter, Figure and Item Numbers
- 3-3 Not issued
- 3-4 Not issued

**PREFACE**

Sponsor: DEC ELS  
Publication Authority: DE&S  
ECI IPT

**INTRODUCTION**

1 Service users should forward any comments on this publication through the channels prescribed in AESP 0100-P-011-013. An AESP Form 10 is provided at the end of the preliminary pages; it should be photocopied and used for forwarding comments on this AESP.

2 AESPs are issued under Defence Council authority and where AESPs specify action to be taken, the AESP will of itself be sufficient authority for such action and also for the demanding of the necessary stores, subject to the provisions of Para 3 below.

3 The subject matter of this publication may be affected by Defence Instruction Notices (DINs), Standing Operating Procedures (SOPs) or by local regulations. When any such Instruction, Order or Regulation contradicts any portion of this publication it is to be taken as the overriding authority.

4 The subject matter of this publication details information specific to Tent, Shelter, Command Post 2.7 M x 2.7 M (9 FT x 9 FT) MK 3.

5 This Illustrated Parts Catalogue (IPC) is designed as an aid to the identification of components, parts or assemblies of parts of the equipment and to provide information necessary for demanding spares.

6 This IPC may list some or all of the parts comprising the equipment concerned, but only those parts assigned a NATO Stock Number, Service Catalogue or Reference Number will normally be available as spares. Should there be a requirement for an item not assigned a number, demands may be submitted quoting the AESP, Item Number, Figure Reference and Item Name. Where a manufacturers reference is known, this should also be quoted.

**Instructions for use by Units**

7 Detailed instructions for use by Units are given in JSP336.

**Initial issues**

8 Initial issues as detailed below:

8.1 One copy of the IPC will be attached to the Unit's copy of the issue voucher and one further copy to accompany every equipment.

8.2 Deficiencies (if any) will be enfacod on the covering issue voucher by reference to the Serial Number of the items listed in the simple IPC.

8.3 'To follow' vouchers will not be created.

8.4 All items listed in the CES can be issued separately. If any listed herein becomes unserviceable it should be extracted and exchanged and the equipment retained pending receipt. Transfers between equipment holders should normally be complete to IPC.

**In lieu items**

9 Authorised 'In lieu' items held against this IPC will not be replaced until such time as they are no longer serviceable. When replacement becomes necessary the correct item, as listed in the IPC, will be demanded.

### General Notes

10 Certain items may be annotated as follows:

10.1 (C) – This code indicates the Accounting Classification of the item. C (Consumable) items are formally received and issued for consumption.

10.2 (X) – ESSENTIAL ITEMS without which the RLC will not issue the equipment.

10.3 (P) – This code indicates the Accounting Classification of the item. P (Permanent) are subject to formal condemnation action (AFG1043).

10.4 (NI) – (Not illustrated) when appearing with a number in the 'Fig Item' column indicates that the item is not illustrated.

10.5 (NIV) – (Not in Vocabulary) indicates that the item is not available within the Stores System.

### Amendments

11 Amendments to the catalogue will be published as and when necessary. The amendments will be numbered consecutively, and the Amendment record sheet is to be completed for each amendment list embodied. New or amended material will be highlighted by side lining to show the extent of the amendment.

### Indentations

12 Items are listed in a logical assembly/disassembly order and are indented by the 'Dot System' in which each 'dot' depicts the relationship of the item to the main assembly.

#### MAIN ASSEMBLY

Attaching parts for main assembly.

- . FIRST LEVEL OF BREAKDOWN (Sub-assembly or part of main assembly)
- . Attaching parts for first level.

- . . SECOND LEVEL OF BREAKDOWN (Sub-sub-assembly or detail part of Sub-assembly)
- . . Attaching parts for second level.

### Description

13 The item Description and Annotation Block is also to convey additional information to the IPC user, which will appear in brackets i.e. related location detail, e.g. another AESP or Chapter/Item within this AESP.

## RELATED AND ASSOCIATED PUBLICATIONS

## Related publications

14 The octad for the subject equipment consists of all the categories shown in Table 1. All references are prefixed with the first eight digits of this publication. The availability of the publications can be checked by reference to the relevant Group Index in AESP 0100-A-001-013.

TABLE 1 RELATED PUBLICATIONS

Category/Sub-Category		Information Level				
		1 User/Operator	2 Unit Maintenance	3 Field Maintenance	4 Base Maintenance	
1	0	Purpose and Planning Information	101	*	*	*
	1	Equipment Support Policy Directives	*	*	*	*
2	0	Operating Information	201	*	*	*
	1	Aide Memoire	*	*	*	*
	2	Training Aids	*	*	*	*
3		Technical Description	*	*	*	*
4	1	Installation Instructions	*	*	*	*
	2	Preparation for Special Environments	*	*	*	*
5	1	Failure Diagnosis	*	*	*	*
	2	Repair Instructions		*	*	*
	3	Inspection Standards	*	*	*	*
	4	Calibration Procedures	*	*	*	*
6		Maintenance Schedules	*	*	*	*
7	1	Illustrated Parts Catalogues	711	*	*	*
	2	Commercial Parts Lists	*	*	*	*
	3	Complete Equipment Schedule, Production		*	*	*
	4	Complete Equipment Schedule, Service Edition (Simple Equipment)	741	*	*	*
	5	Complete Equipment Schedule, Service Edition (Complex Equipment)	*	*	*	*
8	1	Modification Instructions	*	*	*	*
	2	General Instructions, Special Technical Instructions and Servicing Instructions	*	*	*	*
	3	Service Engineered Modification Instructions (RAF only)	*	*	*	*

\* Category/Sub-category not published.

**Associated publications**

15 The following publications are associated with this AESP octad.

<u>Reference</u>	<u>Title</u>
------------------	--------------

NONE

**ABBREVIATIONS**

16 The following abbreviations are used in this AESP octad.

<u>Abbreviation</u>	<u>Nomenclature</u>
AESP	Army Equipment Support Publication
DIN	Defense Instruction Notices
IPC	Illustrated Parts Catalogue
NI	Not Illustrated
NIV	Not In Vocabulary
SOP	Standard Operating Procedures

## WARNINGS AND CAUTIONS

### HAZARDOUS SUBSTANCES

17 Before using any hazardous substances or material, the user must be conversant with the safety precautions and first aid instructions:

- 17.1 on the label of the container it was supplied in;
- 17.2 on the material Safety Data Sheet;
- 17.3 in local Safety Orders and Regulations.

### WARNING

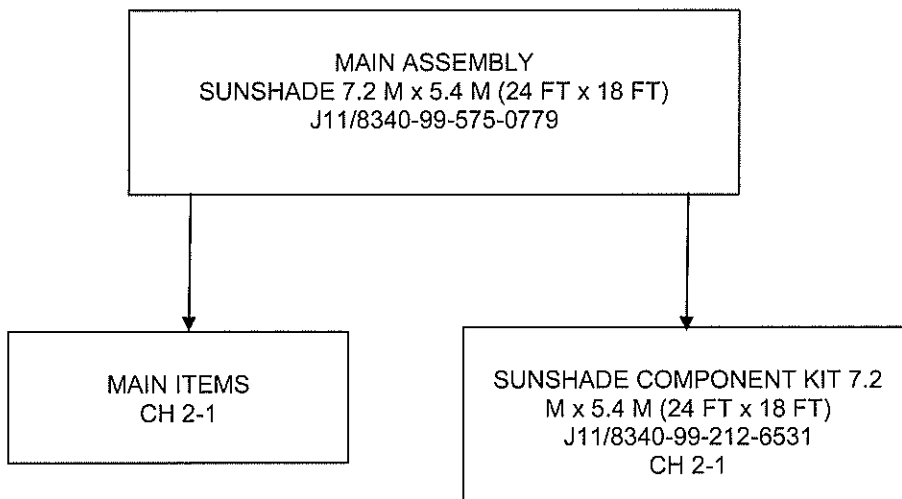
**PERSONNEL INJURY/HEAVY WEIGHT. MINIMUM PERSONNEL NUMBERS REQUIRED TO LIFT OR MOVE EACH SHELTER SHOULD BE OBSERVED.**

CHAPTER 1

GENERAL INFORMATION

CONTENTS

	Page
Title Page .....	1
Family Tree .....	2
Index of Main Assemblies .....	3/4



Family Tree



INDEX OF MAIN ASSEMBLIES

Fig. No Item No	DMC NSCM	Army NSN Part Number	Item Description and Annotations	No Off D of Q	Quantity of Issue
0	J11	8340-99-575-0779	SUNSHADE 7.2 M x 5.4 M (24 FT x 18 FT)	1	
1			.MAIN ITEMS (CHAPTER 2-1)		
2			SUNSHADE COMPONENT KIT (CHAPTER 2-2)		



**CHAPTER 2**

**ILLUSTRATED PARTS CATALOGUE**

**CONTENTS**

Chapter

- 2-1 Main items
- 2-2 Sunshade component kit



CHAPTER 2-1

ILLUSTRATED PARTS CATALOGUE (IPC)

MAIN ITEMS

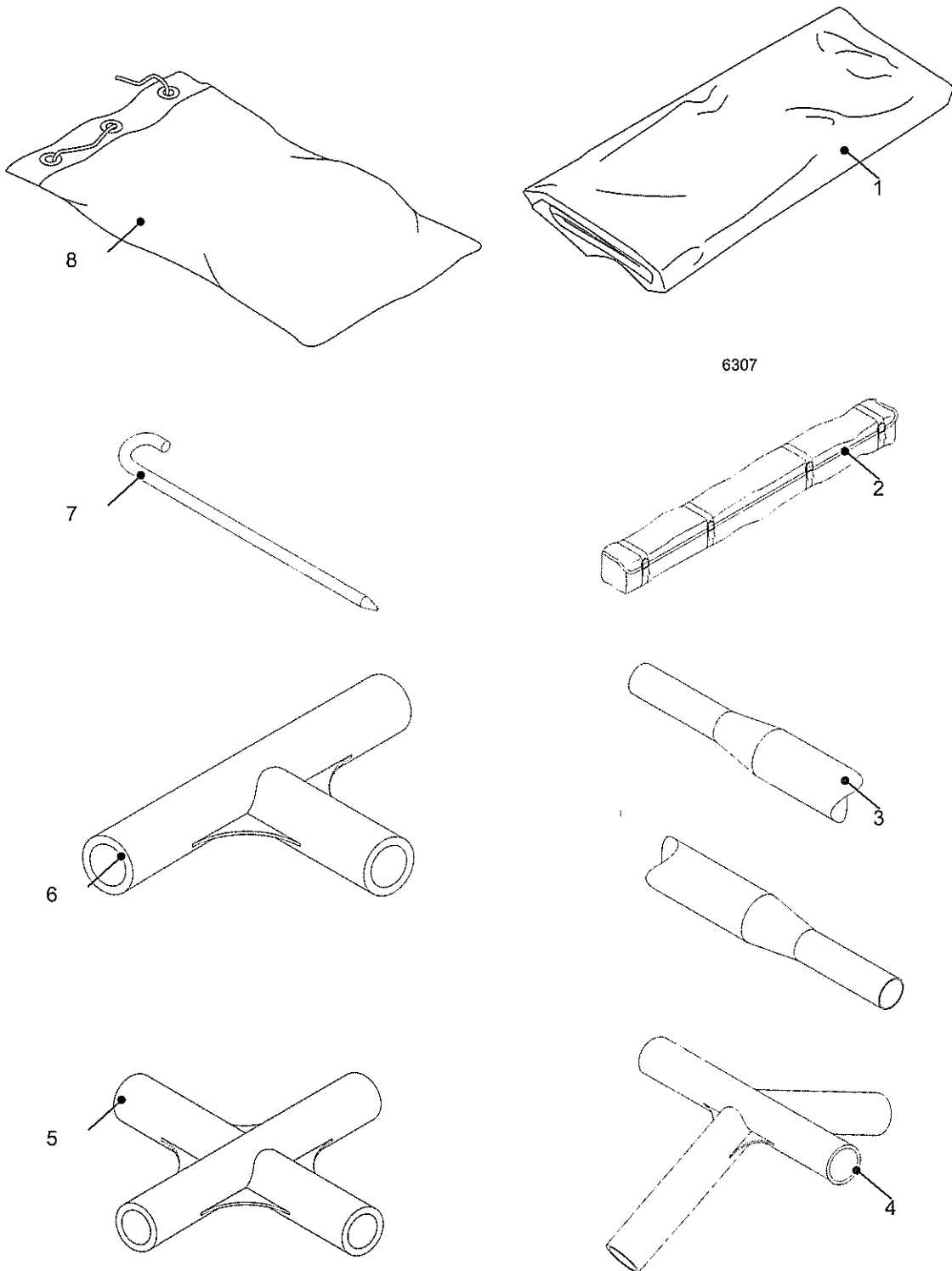


Fig 1 Sunshade 7.2 m x 5.4 m (24 ft x 18 ft)

IPC

Fig. No Item No	Army		Item Description and Annotations	No Off D of Q	Quantity of Issue
	DMC NSCM	NSN Part Number			
0	J11	8340-99-575-0779	SUNSHADE 7.2 M x 5.4 M (24 FT x 18 FT)	REF	
1	J11	8340-99-575-0780	SUNSHIELD	1 EA	
2	J11	8340-99-943-1158	BAG, TENT FRAME POLES	4 EA	
3	J11	8340-99-132-0006	UNIVERSAL MEMBER, 6 FT	90 EA	
4	J11	8340-99-132-0008	BRACKET, RIDGE AND EAVES	21 EA	
5	J11	8340-99-132-0009	BRACKET, PURLIN	14 EA	
6	J11	8340-99-132-0010	BRACKET, BASE	14 EA	
7	J11	8340-99-575-0787	PIN, SUNSHADE	40 EA	
8	J11	8340-99-120-7745	CONTAINER, TENT PIN	4 EA	

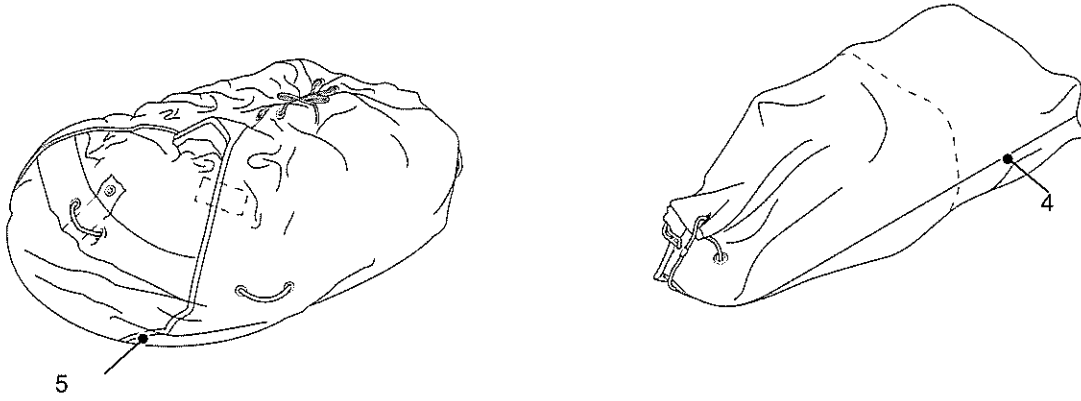


Fig 2 Sunshade 7.2 m x 5.4 m (24 ft x 18 ft)



IPC

Fig. No Item No	Army		Item Description and Annotations	No Off D of Q	Quantity of Issue
	DMC NSCM	NSN Part Number			
9		8340-99-496-6292	BAG, TENT FRAME BRACKETS	4	
10	J11	8340-99-212-6531	SUNSHADE COMPONENT KIT	1 EA	



CHAPTER 2-2

ILLUSTRATED PARTS CATALOGUE (IPC)

SUNSHADE COMPONENT KIT 7.2 M X 5.4 M (24 FT X 18 FT)

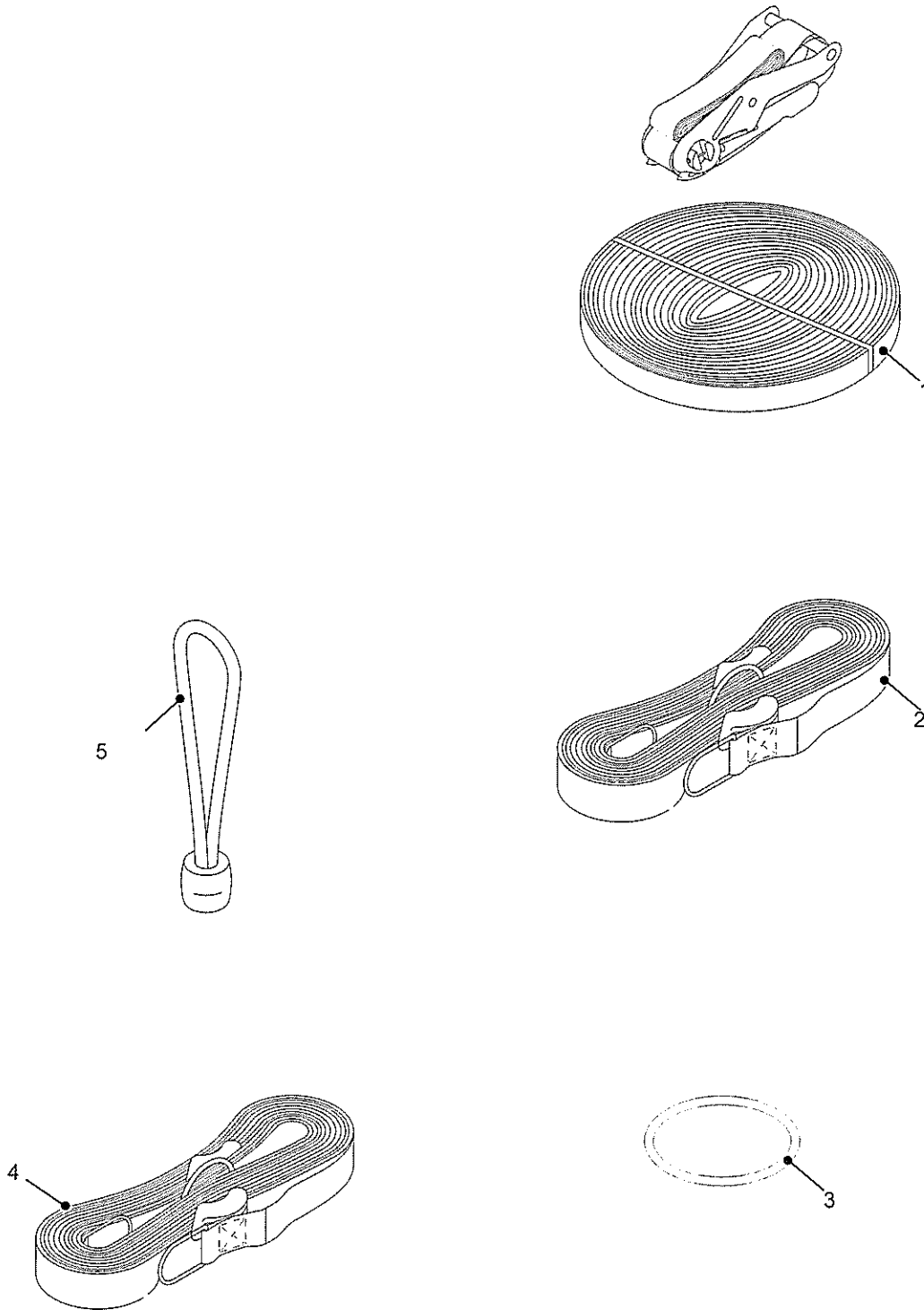


Fig 1 Sunshade 7.2 m x 5.4 m (24 ft x 18 ft)

IPC

Fig. No Item No	DMC NSCM	Army NSN Part Number	Item Description and Annotations	No Off D of Q	Quantity of Issue
0	J11	8340-99-212-6531	SUNSHADE COMPONENT KIT	REF	
1	J11	8340-99-876-9577	STRAP, ADJUSTABLE RATCHET	8 EA	
2	J11	8340-99-876-9580	STRAP, ADJUSTABLE END GUY	4 EA	
3	J11	8340-99-147-5778	RING, TIE DOWN	30 EA	
4	J11	8340-99-666-1001	STRAP, BASE RESTRAINT	2 EA	
5	J11	8340-99-865-3035	TENSIONER, LINER AND GROUNDSHEET	100 EA	



**CHAPTER 3**

**INDEXES**

**CONTENTS**

Para

- 1 Introduction

Chapter

- 3-1 Index of NATO stock numbers to chapter, figure and item numbers
- 3-2 Index of manufacturers' part/drawing numbers to chapter, figure and item numbers
- 3-3 Not issued
- 3-4 Not issued

**INTRODUCTION**

- 1 This Chapter identifies the indexes provided in support to the main parts list.





CHAPTER 3-1

INDEX OF NATO STOCK NUMBERS  
TO  
CHAPTER, FIGURE AND ITEM NUMBERS

CONTENTS

	Page
Index pages .....	3/4



**INDEX OF NATO STOCK NUMBERS  
TO  
CHAPTER, FIGURE AND ITEM NUMBERS**

Nato Stock Number	Chapter	Fig & Item	Nato Stock Number	Chapter	Fig & Item
8340-99-575-0780		2-1			
8340-99-943-1158		2-1			
8340-99-132-0006		2-1			
8340-99-132-0008		2-1			
8340-99-132-0009		2-1			
8340-99-132-0010		2-1			
8340-99-575-0787		2-1			
8340-99-120-7745		2-1			
8340-99-496-6292		2-1			
8340-99-212-6531		2-1			
8340-99-876-9577		2-2			
8340-99-876-9580		2-2			
8340-99-147-5778		2-2			
8340-99-666-1001		2-2			
8340-99-865-3035		2-2			



CHAPTER 3-2

INDEX OF MANUFACTURERS' PART/DRAWING NUMBERS

TO

CHAPTER, FIGURE AND ITEM NUMBERS

CONTENTS

	Page
Index pages .....	3/4



INDEX OF MANUFACTURERS' PART/DRAWING NUMBERS

TO

CHAPTER, FIGURE AND ITEM NUMBERS

Manufacturers Part or Dwg Numbers	Chapter	Fig & Item	Manufacturers Part or Dwg Numbers	Chapter	Fig & Item





COMMENT(S) ON AESP\*

To: Camp Systems

██████████  
██████████████████████████████████████  
██████████████████████████████████████  
██████████████████████████████████████

From: .....  
.....  
.....  
.....

<b>Senders Reference</b>	<b>BIN Number</b>	<b>Date</b>
<b>AESP* Title: ILLUSTRATED PARTS CATALOGUE (IPC)</b>		
<b>Chapter(s)/Instruction</b>	<b>Page(s)/Paragraph(s)</b>	
If you require more space please use the reverse of this form or a separate piece of paper. <b>Comment(s):</b>		

Signed: ..... Telephone No: .....  
Name (Capitals): ..... Rank/Grade: ..... Date: .....  
✂ .....

FOR AESP\* SPONSOR USE ONLY

To: ..... From: .....  
.....  
.....  
.....

Thank you for commenting on AESP 8340-C-102-711

Your reference: ..... Date: .....

<b>Action is being taken to:</b>	<b>Tick</b>		<b>Tick</b>
Issue a revised/amended AESP*		Under investigation	
Incorporate comment(s) in future amendments		No action required	
<b>Remarks</b>			

Signed: ..... Telephone No: .....  
Name (Capitals): ..... Rank/Grade: ..... Date: .....  
\* AESP or EMER





**CONDITIONS OF RELEASE**

- 1 This information is released by the UK Government for Defence purposes only.
- 2 This information must be afforded the same degree of protection as that afforded to information of an equivalent security marking originated by the recipient Government or as required by the recipient Government's National Security regulations.
- 3 This information may be disclosed only within the Defence Department of the recipient Government, except as otherwise authorised by the Ministry of Defence (Army).
- 4 This information may be subject to privately owned rights.

**SUNSHADE, 7.2 M x 5.4 M  
(24 FT x 18 FT)**

**NSN J11/8340-99-575-0779**

**COMPLETE EQUIPMENT SCHEDULE, SERVICE  
EDITION (SIMPLE EQUIPMENT)**

~~THIS DOCUMENT IS THE PROPERTY OF HER BRITANNIC MAJESTY'S GOVERNMENT, and is issued for the information of such persons only as need to know its contents in the course of their official duties. Any person finding this document should hand it to a British forces unit or to a police station for its safe return to the MINISTRY OF DEFENCE, D Def Sy, MAIN BUILDING, WHITEHALL, LONDON SW1A 2HB, with particulars of how and where found. THE UNAUTHORISED RETENTION OR DESTRUCTION OF THIS DOCUMENT MAY BE AN OFFENCE UNDER THE OFFICIAL SECRETS ACTS OF 1911-1989. (When released to persons outside Government service, this document is issued on a personal basis and the recipient to whom it may be entrusted in confidence, within the provisions of the Official Secrets Acts 1911-1989, is personally responsible for its safe custody and for seeing that its contents are disclosed only to authorized persons).~~

Sponsored for use

in the

**UNITED KINGDOM MINISTRY OF DEFENCE AND ARMED FORCES**

by the

**DEFENCE EQUIPMENT AND SUPPORT ORGANISATION**



AMENDMENT RECORD

Amdt No	Incorporated By (Signature)	Date
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		

Amdt No	Incorporated By (Signature)	Date
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		



**CONTENTS**

	Page
<b>PRELIMINARY MATERIAL</b>	
Front cover (title page) .....	(i)/(ii)
Amendment record sheet .....	(iii)/(iv)
Contents (this list) .....	(v)
PREFACE .....	(vi)
Introduction .....	(vi)
Instructions for use by Units .....	(vi)
Initial issues .....	(vi)
In lieu items .....	(vi)
General Notes .....	(vii)
Amendments .....	(vii)
Indentations .....	(vii)
Description .....	(vii)
Related and associated publications .....	(viii)
Related publications .....	(viii)
Associated publications .....	(ix)
Abbreviations .....	(ix)
Warnings and Cautions .....	(x)
Comment on AESP .....	Final leaf

**COMPLETE EQUIPMENT SCHEDULE (CES)**

Chapter

- 1 General Information
- 2 Complete Equipment Schedule
- 2-1 Main Items
- 2-2 Component Kit
- 3 Indexes
- 3-1 Index of NATO Stock Numbers to Chapter, Figure and Item Numbers
- 3-2 Index of Manufacturers Part/drawing Numbers to Chapter, Figure and Item Numbers
- 3-3 Not issued
- 3-4 Not issued

**PREFACE**

Sponsor: DEC ELS  
Publication Authority: DE&S  
ECI IPT

**INTRODUCTION**

1 Service users should forward any comments on this publication through the channels prescribed in AESP 0100-P-011-013. An AESP Form 10 is provided at the end of the preliminary pages; it should be photocopied and used for forwarding comments on this AESP.

2 AESPs are issued under Defence Council authority and where AESPs specify action to be taken, the AESP will of itself be sufficient authority for such action and also for the demanding of the necessary stores, subject to the provisions of Para 3 below.

3 The subject matter of this publication may be affected by Defence Instruction Notices (DINs), Standing Operating Procedures (SOPs) or by local regulations. When any such Instruction, Order or Regulation contradicts any portion of this publication it is to be taken as the overriding authority.

4 The subject matter of this publication details information specific to Tent, Shelter, Command Post 2.7 M x 2.7 M (9 FT x 9 FT) MK 3.

5 This Complete Equipment Schedule (CES) is designed as an aid to the identification of components, parts or assemblies of parts of the equipment and to provide information necessary for demanding spares.

6 This CES may list some or all of the parts comprising the equipment concerned, but only those parts assigned a NATO Stock Number, Service Catalogue or Reference Number will normally be available as spares. Should there be a requirement for an item not assigned a number, demands may be submitted quoting the AESP, Item Number, Figure Reference and Item Name. Where a manufacturers reference is known, this should also be quoted.

**Instructions for use by Units**

7 Detailed instructions for use by Units are given in JSP336.

**Initial issues**

8 Initial issues as detailed below:

8.1 One copy of the CES will be attached to the Unit's copy of the issue voucher and one further copy to accompany every equipment.

8.2 Deficiencies (if any) will be enfaced on the covering issue voucher by reference to the Serial Number of the items listed in the simple CES.

8.3 'To follow' vouchers will not be created.

8.4 All items listed in the CES can be issued separately. If any listed herein becomes unserviceable it should be extracted and exchanged and the equipment retained pending receipt. Transfers between equipment holders should normally be complete to CES.

**In lieu items**

9 Authorised 'In lieu' items held against this CES will not be replaced until such time as they are no longer serviceable. When replacement becomes necessary the correct item, as listed in the CES, will be demanded.



### General Notes

10 Certain items may be annotated as follows:

10.1 (C) – This code indicates the Accounting Classification of the item. C (Consumable) items are formally receipted and issued for consumption.

10.2 (X) – ESSENTIAL ITEMS without which the RLC will not issue the equipment.

10.3 (P) – This code indicates the Accounting Classification of the item. P (Permanent) are subject to formal condemnation action (AFG1043).

10.4 (NI) – (Not illustrated) when appearing with a number in the 'Fig Item' column indicates that the item is not illustrated.

10.5 (NIV) – (Not in Vocabulary) indicates that the item is not available within the Stores System.

### Amendments

11 Amendments to the catalogue will be published as and when necessary. The amendments will be numbered consecutively, and the Amendment record sheet is to be completed for each amendment list embodied. New or amended material will be highlighted by side lining to show the extent of the amendment.

### Indentations

12 Items are listed in a logical assembly/disassembly order and are indented by the 'Dot System' in which each 'dot' depicts the relationship of the item to the main assembly.

MAIN ASSEMBLY

Attaching parts for main assembly.

- . FIRST LEVEL OF BREAKDOWN (Sub-assembly or part of main assembly)
- . Attaching parts for first level.

- . . SECOND LEVEL OF BREAKDOWN (Sub-sub-assembly or detail part of Sub-assembly)
- . . Attaching parts for second level.

### Description

13 The item Description and Annotation Block is also to convey additional information to the CES user, which will appear in brackets i.e. related location detail, e.g. another AESP or Chapter/Item within this AESP.

**RELATED AND ASSOCIATED PUBLICATIONS****Related publications**

14 The octad for the subject equipment consists of all the categories shown in Table 1. All references are prefixed with the first eight digits of this publication. The availability of the publications can be checked by reference to the relevant Group Index in AESP 0100-A-001-013.

**TABLE 1 RELATED PUBLICATIONS**

Category/Sub-Category		Information Level				
		1 User/Operator	2 Unit Maintenance	3 Field Maintenance	4 Base Maintenance	
1	0	Purpose and Planning Information	101	*	*	*
	1	Equipment Support Policy Directives	*	*	*	*
2	0	Operating Information	201	*	*	*
	1	Aide Memoire	*	*	*	*
	2	Training Aids	*	*	*	*
3		Technical Description	*	*	*	*
4	1	Installation Instructions	*	*	*	*
	2	Preparation for Special Environments	*	*	*	*
5	1	Failure Diagnosis	*	*	*	*
	2	Repair Instructions	*	*	*	*
	3	Inspection Standards	*	*	*	*
	4	Calibration Procedures	*	*	*	*
6		Maintenance Schedules	*	*	*	*
7	1	Illustrated Parts Catalogues	711	*	*	*
	2	Commercial Parts Lists	*	*	*	*
	3	Complete Equipment Schedule, Production		*	*	*
	4	Complete Equipment Schedule, Service Edition (Simple Equipment)	741	*	*	*
	5	Complete Equipment Schedule, Service Edition (Complex Equipment)	*	*	*	*
8	1	Modification Instructions	*	*	*	*
	2	General Instructions, Special Technical Instructions and Servicing Instructions	*	*	*	*
	3	Service Engineered Modification Instructions (RAF only)	*	*	*	*

\* Category/Sub-category not published.

**Associated publications**

15 The following publications are associated with this AESP octad.

<u>Reference</u>	<u>Title</u>
NONE	

**ABBREVIATIONS**

16 The following abbreviations are used in this AESP octad.

<u>Abbreviation</u>	<u>Nomenclature</u>
AESP	Army Equipment Support Publication
CES	Complete Equipment Schedule
DIN	Defense Instruction Notices
NI	Not Illustrated
NIV	Not In Vocabulary
SOP	Standard Operating Procedures

## WARNINGS AND CAUTIONS

### HAZARDOUS SUBSTANCES

17 Before using any hazardous substances or material, the user must be conversant with the safety precautions and first aid instructions:

- 17.1 on the label of the container it was supplied in;
- 17.2 on the material Safety Data Sheet;
- 17.3 in local Safety Orders and Regulations.

### WARNING

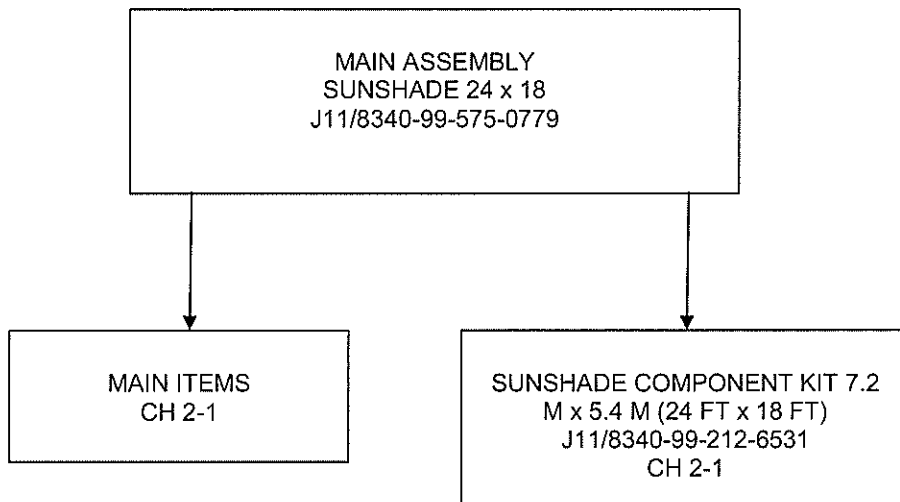
**PERSONNEL INJURY/HEAVY WEIGHT. MINIMUM PERSONNEL NUMBERS REQUIRED TO LIFT OR MOVE EACH SHELTER SHOULD BE OBSERVED.**

CHAPTER 1

GENERAL INFORMATION

CONTENTS

	Page
Title Page .....	1
Family Tree .....	2
Index of Main Assemblies .....	3/4



Family Tree

INDEX OF MAIN ASSEMBLIES

Fig. No Item No	DMC NSCM	Army NSN Part Number	Item Description and Annotations	No Off D of Q	Quantity of Issue
0	J11	8340-99-575-0779	SUNSHADE, 7.2 M x 5.4 M (24 FT x 18 FT)	1	
1			.MAIN ITEMS (CHAPTER 2-1)	N/A	
2			SUNSHADE COMPONENT KIT (CHAPTER 2-2)		





**CHAPTER 2**

**COMPLETE EQUIPMENT SCHEDULE (CES)**

**CONTENTS**

Chapter

- 2-1 Main items
- 2-2 Component kit



**CHAPTER 2-1**

**COMPLETE EQUIPMENT SCHEDULE (CES)**

**MAIN ITEMS**



Fig 1 Sunshade 7.2 m x 5.4 m (24 ft x 18 ft)

CES

Fig. No Item No	Army		Item Description and Annotations	No Off D of Q	Quantity of Issue
	DMC NSCM	NSN Part Number			
0	J11	8340-99-575-0779	SUNSHADE 7.2 M x 5.4 M (24 FT x 18 FT)	REF	
1	J11	8340-99-575-0780	SUNSHIELD	1 EA	
2	J11	8340-99-943-1158	BAG, TENT FRAME POLES	4 EA	
3	J11	8340-99-132-0006	UNIVERSAL MEMBER, 6 FT	90 EA	
4	J11	8340-99-132-0008	BRACKET, RIDGE AND EAVES	21 EA	
5	J11	8340-99-132-0009	BRACKET, PURLIN	14 EA	
6	J11	8340-99-132-0010	BRACKET, BASE	14 EA	
7	J11	8340-99-575-0787	PIN, SUNSHADE	40 EA	
8	J11	8340-99-120-7745	CONTAINER, TENT PIN	4 EA	

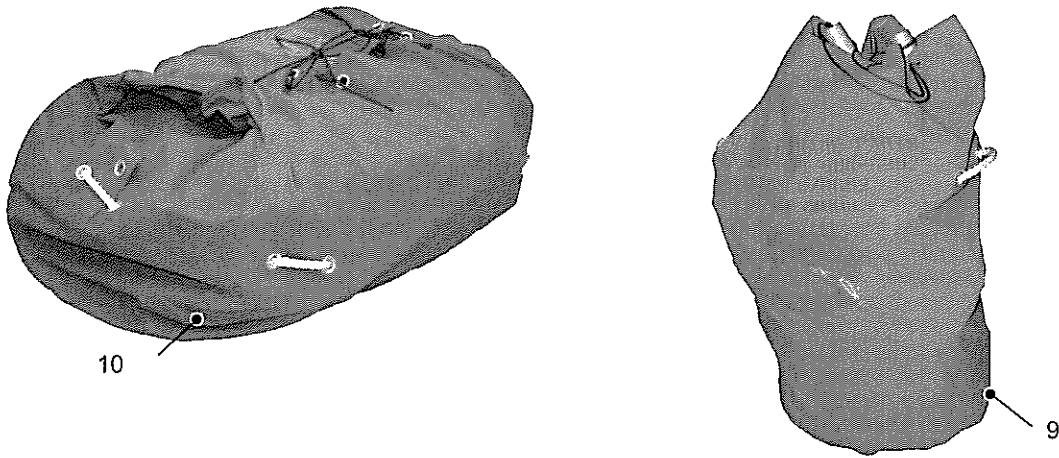


Fig 2 Sunshade 7.2 m x 5.4 m (24 ft x 18 ft)

CES

Fig. No Item No	DMC NSCM	Army NSN Part Number	Item Description and Annotations	No Off D of Q	Quantity of Issue
9	J11	8340-99-496-6292	BAG, TENT FRAME BRACKETS	4 EA	
10	J11	8340-99-212-6531	SUNSHADE COMPONENT KIT	1 EA	





**CHAPTER 2-2**

**COMPLETE EQUIPMENT SCHEDULE (CES)**

**SUNSHADE COMPONENT KIT, 7.2 M X 5.4 M (24 FT X 18 FT)**

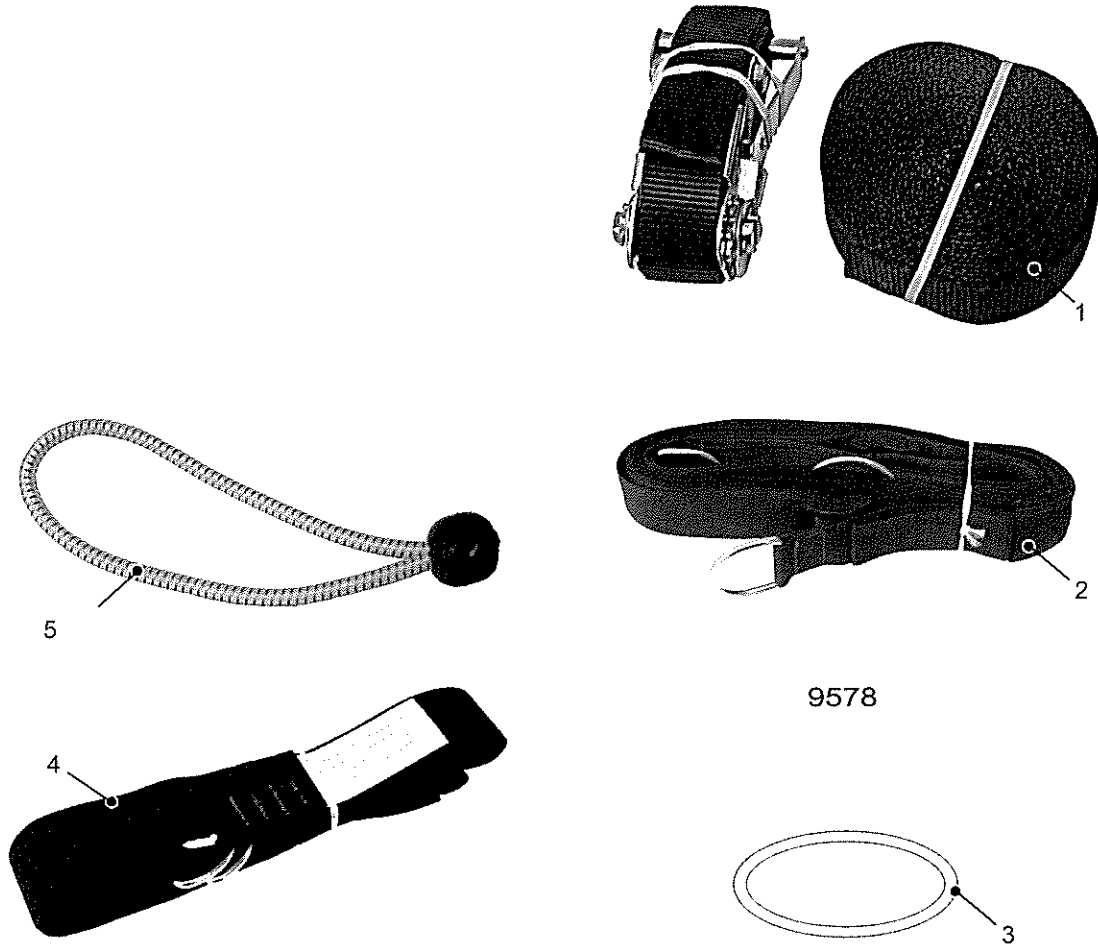


Fig 1 Sunshade 7.2 m x 5.4 m (24 ft x 18 ft)

CES

Fig. No Item No	DMC NSCM	Army NSN Part Number	Item Description and Annotations	No Off D of Q	Quantity of Issue
0	J11	8340-99-212-6531	SUNSHADE COMPONENT KIT, 24 x 18	REF	
1	J11	8340-99-876-9577	STRAP, ADJUSTABLE RATCHET	8 EA	
2	J11	8340-99-876-9580	STRAP, ADJUSTABLE END GUY	4 EA	
3	J11	8340-99-147-5778	RING, TIE DOWN	30 EA	
4	J11	8340-99-666-1001	STRAP, BASE RESTRAINT	2 EA	
5	J11	8340-99-865-3035	TENSIONER, LINER AND GROUNDSHEET	100 EA	



**CHAPTER 3**

**INDEXES**

**CONTENTS**

Para

- 1 Introduction

Chapter

- 3-1 Index of NATO stock numbers to chapter, figure and item numbers
- 3-2 Index of manufacturers' part/drawing numbers to chapter, figure and item numbers
- 3-3 Not issued
- 3-4 Not issued

**INTRODUCTION**

- 1 This Chapter identifies the indexes provided in support to the main parts list.



CHAPTER 3-1

INDEX OF NATO STOCK NUMBERS  
TO  
CHAPTER, FIGURE AND ITEM NUMBERS

CONTENTS

	Page
Index pages .....	3/4





INDEX OF NATO STOCK NUMBERS  
TO  
CHAPTER, FIGURE AND ITEM NUMBERS

Nato Stock Number	Chapter	Fig & Item	Nato Stock Number	Chapter	Fig & Item
8340-99-575-0780		2-1			
8340-99-943-1158		2-1			
8340-99-132-0006		2-1			
8340-99-132-0008		2-1			
8340-99-132-0009		2-1			
8340-99-132-0010		2-1			
8340-99-575-0787		2-1			
8340-99-120-7745		2-1			
8340-99-496-6292		2-1			
8340-99-212-6531		2-1			
8340-99-876-9577		2-2			
8340-99-876-9580		2-2			
8340-99-147-5778		2-2			
8340-99-666-1001		2-2			
8340-99-865-3035		2-2			



CHAPTER 3-2

INDEX OF MANUFACTURERS' PART/DRAWING NUMBERS

TO

CHAPTER, FIGURE AND ITEM NUMBERS

CONTENTS

	Page
Index pages .....	3/4



INDEX OF MANUFACTURERS' PART/DRAWING NUMBERS

TO

CHAPTER, FIGURE AND ITEM NUMBERS

Manufacturers Part or Dwg Numbers	Chapter	Fig & Item	Manufacturers Part or Dwg Numbers	Chapter	Fig & Item



COMMENT(S) ON AESP\*

To: Camp Systems  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

From: .....

<b>Senders Reference</b>	<b>BIN Number</b>	<b>Date</b>
<b>AESP* Title: COMPLETE EQUIPMENT SCHEDULE, SERVICE EDITION (SIMPLE EQUIPMENT)</b>		
<b>Chapter(s)/Instruction</b>	<b>Page(s)/Paragraph(s)</b>	
If you require more space please use the reverse of this form or a separate piece of paper. <b>Comment(s):</b>		

Signed: ..... Telephone No: .....  
 Name (Capitals): ..... Rank/Grade: ..... Date: .....  
 ✂ .....

FOR AESP\* SPONSOR USE ONLY

To: ..... From: .....  
 .....  
 .....

Thank you for commenting on AESP 8340-C-109-741

Your reference: ..... Date: .....

<b>Action is being taken to:</b>	<b>Tick</b>		<b>Tick</b>
Issue a revised/amended AESP*	<input type="checkbox"/>	Under investigation	<input type="checkbox"/>
Incorporate comment(s) in future amendments	<input type="checkbox"/>	No action required	<input type="checkbox"/>
<b>Remarks</b>			

Signed: ..... Telephone No: .....  
 Name (Capitals): ..... Rank/Grade: ..... Date: .....

\* AESP or EMER

