

Appendix 1

FLYING CLOTHING

Introduction

1. The following information includes a list of items available (A.P.830, Vol. 3, Sect. 3, also refers), the order of dressing and the functional tests which are to be conducted before leaving the crew room or cloakroom. The items are described in A.P.1182E, Vol. 1, and their servicing is dealt with in Vol. 4 of the same publication.

List of clothing items

2. The following items are available:—

| <i>Ref. No.</i> | <i>Item</i> |
|--|---|
| 22C/1475 to 1478 | Drawers, cotton, short, aircrew |
| 22C/1162 to 1164 and 1422 | Vests, string, aircrew |
| 22C/9421244 to 9421250 and 9424959 | Socks, woollen, knitted, plain |
| 22C/9421251 to 9421258 | Socks, woollen, knitted, ribbed |
| 22C/1597 to 1606 | Shirts, aircrew, cotton or |
| 22C/1657 to 1666 | Shirts, aircrew, N.P |
| 22C/1841 to 1844 | Suits, anti 'G', Mk. 5A |
| 27VA/4585 | Connector, anti 'G' |
| 22C/1904 to 1911 | Suit, flying, Mk. 2 |
| 22C/2024 | Garter, leg restraint Q.R. |
| 22C/1527 to 1542 | Boots, flying, 1952 pattern |
| 22C/1877 | Life jacket, Mk. 4A |
| 22C/1121 to 1126 | Gloves, cape leather, N.P |
| 22C/1725 to 1728 | Helmet, flying, Type G complete |
| | Helmet connector |
| 22C/2110 to 2124 | Helmet, protective Mk. 1A c/w visor attachment |
| 22C/1650 to 1651 | Screen dark, medium/large |

22C/1996

Knife, aircrew emergency,
Mk. 2Oxygen mask, type P or Q
(combined oxy-mic-tel)

3. The oxygen system of the aircraft includes a Mk. 17E oxygen regulator and limitations imposed on the use of the clothing assembly are related only to this type of regulator.

4. The following limitations are placed on the use of this assembly:—

- (1) It provides full protection up to a CABIN altitude of 50 000 ft. The loss of a cockpit canopy in flight results in a lowering of cabin pressure; this may produce an equivalent cabin altitude of 5 000 ft. to 10 000 ft. above that of the aircraft.
- (2) If cabin pressure is lost, the aircraft must be brought down to a CABIN altitude of 40 000 ft. at maximum descent rate (A.P.4781A—P.N refers) in a total time of 2 minutes, followed by a gradual descent to 30 000 ft. It is essential that the emergency be appreciated and action taken in the first 30 seconds.

Dressing

5. A flying clothing worker or other suitably qualified tradesman will normally be in attendance during dressing to render assistance where necessary; initial fitting of the anti 'G' suit and Type P or Q oxygen mask is to be under the supervision of an F.P.M.O.

6. The recommended order of dressing is as follows.—

- (1) Vest, drawers and socks.
- (2) Shirt.

- (3) Anti 'G' suit.
- (4) Boots.
- (5) Flying suit (tighten the garters).
- (6) Life jacket.
- (7) Flying helmet and protective helmet.
- (8) Conduct a functional check of the flying clothing in accordance with the instructions on the universal test rig cabinet.
- (9) Put on the gloves and proceed to the aircraft.

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