

Chapter 1

WHIRLWIND H.A.R. Mk. ► ◀ 10

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**Introduction**

1 The information in this chapter deals with the aircrew equipment assemblies for the pilot, other crew members and passengers. A parachute assembly is only worn when the role of the aircraft requires one to be used.

**COMPOSITION OF THE ASSEMBLIES**

2. The assemblies consist of the following items.—

*Pilot*

Seat	Static (or non-ejection type)
Safety harness	Type ZB
Personal survival pack	Waistcoat type

*Navigator*

Seat	Static (or non-ejection type)
Safety harness	Type ZB or despatcher/mechanic's harness when appropriate
Personal survival pack	Waistcoat type

*Winch operator*

Seat	Canvas, collapsible
Safety harness	Type Z or despatcher/mechanic's harness when appropriate

*Cabin occupants*

Seat	Canvas, collapsible
Safety harness	Type Z
Personal survival pack	Waistcoat type

**Note . . .**

*When one of the crew is lowered on the winch to assist in the rescue of survivors in the sea, he wears a helicopter rescue harness. This harness is described in A.P 1182D, Vol. 1 and 6, Sect. 4.*

**SEATING ARRANGEMENTS**

3. The pilot and navigator occupy similar types of seats; only the pilot's seat is adjustable for height, a lever being provided on the starboard side of the seat for this purpose. The harness 'go-forward' mechanism, which allows each occupant to lean forward in the cockpit without disconnecting the safety harness, is controlled by a lever on the front of the seat pan. Seating in the cabin can be varied to suit the role for which the aircraft is employed.

**EQUIPPING THE SEATS**

**Pilot**

4. The following procedure is to be used; refer to fig. 1:—

- (1) Remove the back cushion, if installed ensure that the seat is clean and fit a seat cushion.
- (2) Arrange the safety harness shoulder straps over the back of the seat and the lap straps over the seat pan bracing struts.

**Navigator**

5. The navigator may remain in his seat throughout the sortie or he may be required to vacate his seat for other duties. If he remains in his seat he is provided with similar equipment to the pilot and instructions for equipping the seat will be as in para. 4. If he vacates the seat for other duties he will fit a despatcher/mechanic's harness.

**Winch operator**

6. The canvas collapsible seat on the starboard side at the rear of the cabin is to be equipped with a Type Z safety harness. Two despatcher/mechanic's safety harnesses are to be connected to the runners on the monorail in the cabin roof and safety pins are to be fitted in the snap hooks, these are used by the

winch operator and/or other crew members. The rescue strop and helicopter rescue harness are stowed in convenient positions in the cabin ready for immediate use.

**Other crew members and/or passengers**

7. Ensure that each seat is fitted with a Type Z safety harness.

**STRAPPING-IN PROCEDURE**

8. All crew members and passengers are to don life-jackets and waistcoat type packs before entering the aircraft.

**Pilot and navigator**

9. Refer to fig. 2 and proceed as follows:—

- (1) Sit in the seat, connect and tighten the safety harness lap straps, these straps are to be as tight as possible.
- (2) Connect and tighten the shoulder straps. Do not overtighten these straps and keep the quick-release fitting as low as possible. The straps are intended to restrain forward movement of the shoulders and if overtightened will produce an uncomfortable position.
- (3) If not already fitted, don the flying and protective helmets, fit the throat microphone and tighten the straps. Connect the Mic/Tel lead.

**Navigator (when moving crew member)**

10. When the duties involve moving about the aircraft during flight, one of the despatcher/mechanic's harnesses attached to the monorail is to be worn.

**Winch operator**

11 During take off and landing and before reaching the operating zone, the winch operator occupies a seat in the cabin and fastens the Type Z safety harness. When instructed, he vacates the seat and fits either a despatcher/mechanic's harness or a helicopter rescue harness. After leaving the zone, or when otherwise instructed, the harness is removed and stowed, he then resumes his seat and fastens the safety harness.

**Other crew members and/or passengers**

12. After occupying their seats they are to fasten and tighten the Type Z harnesses.

**EMERGENCIES**

13. ◀ Instructions for dealing with emergencies in flight are contained in A.P.4509K and M-P.N as appropriate. ▶

**LEAVING THE AIRCRAFT AFTER LANDING**

14. The following instructions are to be applied, as appropriate, to the crew and passengers:—

- (1) Disconnect the Mic/Tel lead.
- (2) Release the safety harness.
- (3) Vacate the seat.

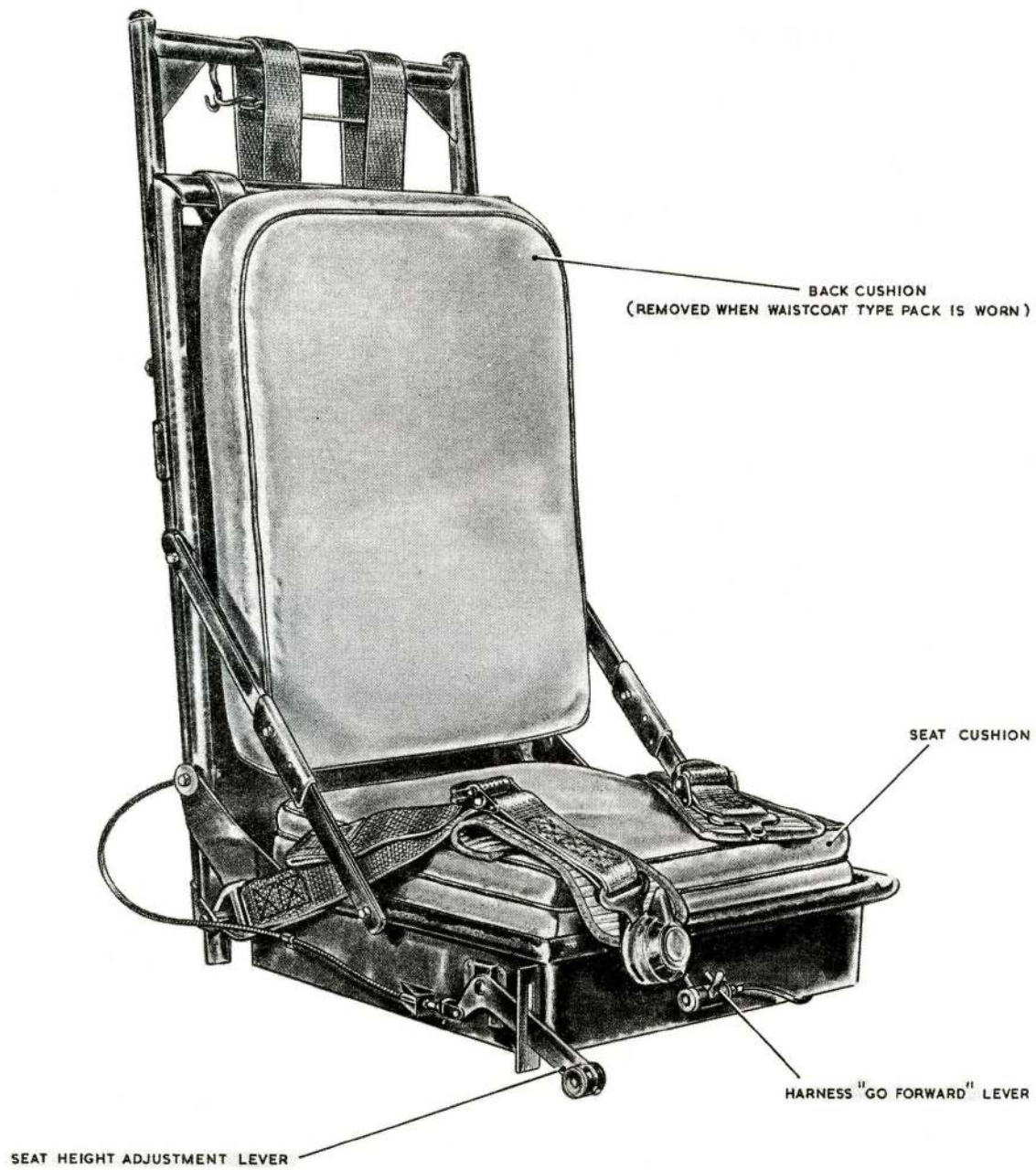


Fig. 1. The seat equipped

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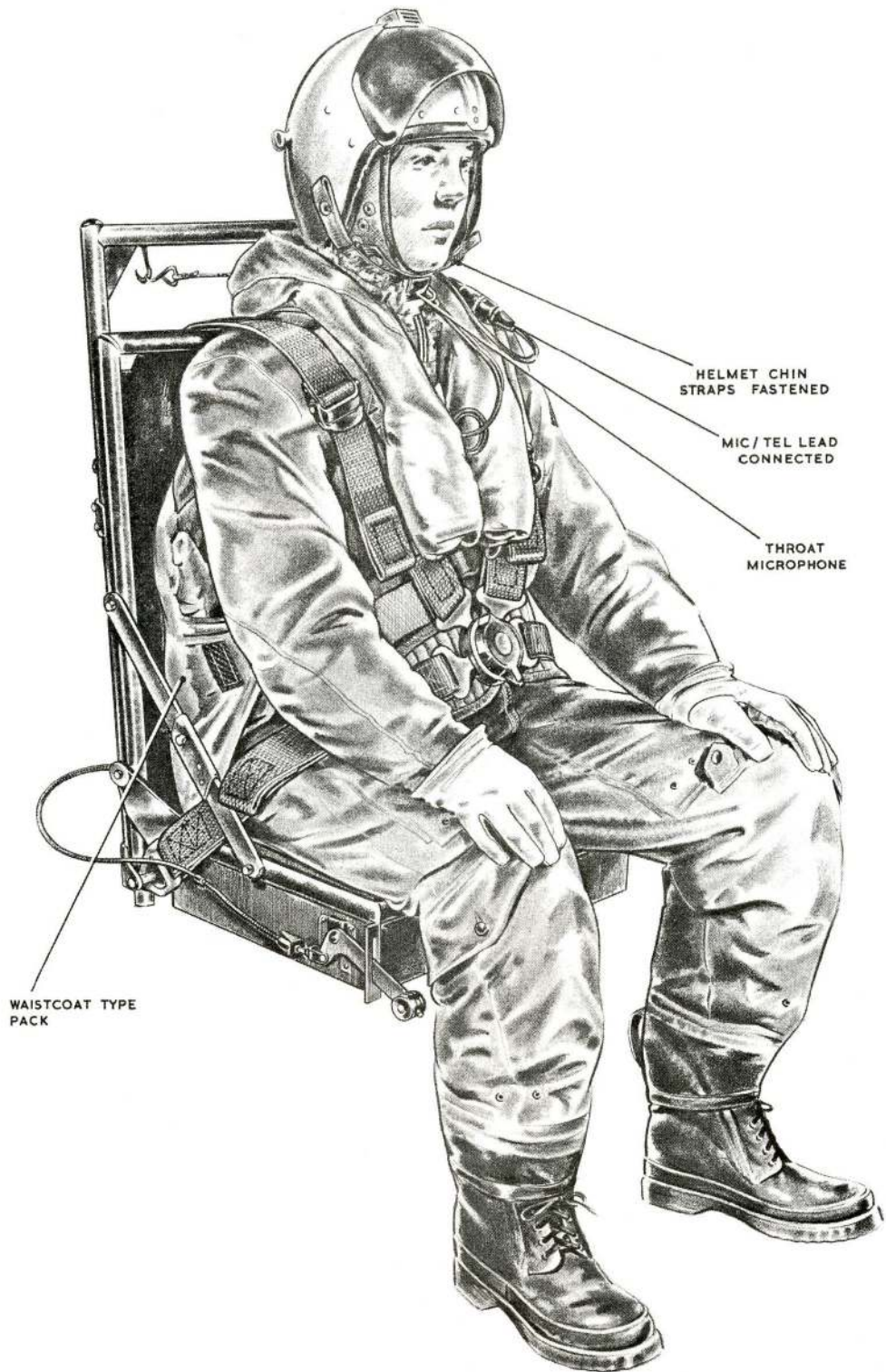


Fig. 2. The seat occupied

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