A.P.101B-0417-1B, Supplement
A.L.68, Nov.85

CANBERRA MOD. 5466

APPLICABLE TO ONLY THE FOLLOWING AIRCRAFT

WD955
WH646
WH902
WJ607
WJ633
WJ981

SUPPLEMENT

PREFACE

Because of the volume of the information given, A.P.101B-0417-1 is issued as two books, the breakdown being as follows:-

A.P.101B-0417-1A

Introduction

Leading particulars

Section 1 – Controls and exits

Section 2 – Ground handling and preparation for flight

Section 3 – Airframe

Section 4 – Power unit installation

Section 5 – Armament installation

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Introduction

Leading particulars

Section 6 – Electrical installation

Section 7 – Instrument installation

Section 8 – Radio installation

Section 9 – Radar installation

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CONTENTS

LETHAL WARNINGS

ENTRY INTO CABIN

Before entering the cabin, personnel must report to the N.C.O. i/c the aircraft, who will ensure that all the relevant safety precautions have been taken.

ASSISTED ESCAPE SYSTEM

1. Ejection seats and canopy jettison mechanisms are sources of potential danger to personnel and of damage to the aircraft. Serious injury (possibly fatal) may result if any firing mechanisms are inadvertently operated whilst the aircraft is on the ground.

2. The following instructions detailing the responsibilities and positioning of the assisted escape system safety devices are to be strictly adhered to:-

R.N. Safety precautions contained in A.P.(N) 140 - Naval Aircraft Maintenance Manual.

R.A.F. Lethal Warnings contained in the A.P.101B-0400-5A2, Safety and Servicing Notes.

3. Additional information concerning assisted escape system safety device positioning is to be found in the Aircraft Servicing Schedules and A.D.5037A Air diagrams.

GENERAL

CANOPY JETTISON	: EXPLOSIVE BOLTS
CREW HATCH JETTISON	: EXPLOSIVE BOLTS
CONTROL COLUMN RELEASE	: EXPLOSIVE COLLAR
WING TIP POD/TANK JETTISON	: EXPLOSIVE BOLTS

Personnel are warned not to interfere with the controls associated with this equipment unless the following precautions have been carried out:-

(a) The internal service batteries and the detonator-circuit emergency batteries are disconnected and no ground electrical supply is connected to the external supply socket.

(b) The detonator leads are disconnected where necessary.

(c) The detonators are removed where necessary.

Note . . .

Detonators are not to be held in the hand. During all operations, detonators must be supported by their electrical leads. Hold the leads near the detonator base. THIS IS MOST IMPORTANT.

MICRO WAVE RADIATION

4. There is a micro wave radiation hazard from certain radar equipment in this aircraft. To avoid injury to health, all personnel are to keep clear of the areas indicated when warning notices are displayed.

HIGH ENERGY IGNITERS

5. The energy stored in the capacitors of high energy igniter units can be of a lethal nature. No servicing should be attempted until at least one minute has elapsed after disconnection of the L.T. supply to the input plug.

HIGH VOLTAGE ELECTRICAL SYSTEMS

6. Voltages in excess of 30 volts (R.M.S.) a.c. or 50 volts d.c. can in certain circumstances be lethal. When working on such systems requiring the exposure of live terminals, a second tradesman is always to be in attendance.

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ELECTROMAGNETIC COMPATIBILITY

The electrically-initiated explosive devices listed below are screened and therefore not potentially dangerous as long as they remain in situ, regardless of whether or not H.F. radio or radar equipment is being operated. Similarly, engine starter cartridges properly carried in the stowage provided are harmless in these conditions.

Canopy and hatch explosive bolts

Elevator control rod explosive collar

Wing-tip pod/tank explosive bolts

Discharger cartridges

Fire-extinguisher cartridges

Engine starter cartridges

All these devices become potentially lethal, however, during loading or unloading if, at the same time, H.F. radio or radar equipment is being operated. Therefore:

(1) Stores containing electrically-initiated explosive devices are not to be loaded or unloaded during operation of H.F. radio or radar equipment.

(2) H.F. radio or radar equipment is not to be operated during loading or unloading of stores containing electrically-initiated explosive devices.

(3) Spare engine starter cartridges in the aircraft stowage are not to be allowed to contact metallic objects while H.F. radio or radar equipment is being operated.

TOXIC MATERIAL BERYLLIUM/BERYLLIA

A.R.I. 23362/0 and A.R.I. 23363

The equipment within this system incorporates the highly toxic material Beryllium and/or its oxide Beryllia. These materials are especially hazardous if:

(1) Beryllium materials are absorbed into the body tissues through the skin, mouth or a wound.

(2) The dust created by breakage of Beryllia is inhaled.

(3) Toxic fumes are inhaled from Beryllium/Beryllia involved in a fire.

LIST OF ASSOCIATED AIR PUBLICATIONS AND AIR DIAGRAMS

	A.P.
Accessory gearboxes and drives, Rotol	103C series
Aero engine, Avon Mk.102	102C-1522-1 & 6
Aircraft painting	119A-0601-1A to 1F
Aircraft wheels, tyres and brakes	104 series and 2337
Aircraft metal fuel tanks	106B-0100 series
Aircraft flexible fuel tanks	106B-0200 series
A.R.I.23134	114J-0101-16
A.R.I.5851	2890R
A.R.I.5877	116B-0102-1
A.R.I. 18107/18	116B-0304-1
A.R.I.23288	116D-0150-1
A.R.I.23172	116B-0203-1
A.R.I.23090/2	116D-0102-1
A.R.I. 23099/24	116N-0101-1
A.R.I.23301	116D-0154-1
A.R.I.23118	116B-0407-1
A.R.I.23287	116-0103
A.R.I.23208	116L-0113-16
A.R.I.23314	116B-0617 series
A.R.I.23361	116F-0706 series
A.R.I.23362	116F-0135 series
A.R.I.23363	116F-0137 series

Armament, loading and hoisting equipment	110H-0200 series
Cartridges, and miscellaneous explosive devices	110N series
Ejection seats, Type 2CA series	109B-0107-1
Electrical manual	113D series
Gas (including liquid gas) charging servicing and test equipment	119F-2700 series
Hydraulic equipment	104B/105B series
Instrument manuals	112G series and 1275A series
Navigation instruments	112G series and 1275B series
Prefabricated constructional equipment (Basic) – Canberra access structures	119F-2100 series and 4549A Book 3
Pressurizing and air conditioning equipment, aircraft	107B series
Pyrotechnics	110E series
Starting systems for aero engines	103D series
Turbine driven accessory drives	103C series

	A.D.
Lubrication	101B-0417-D1
Hydraulic system	101B-0417-D3
Emergency controls	101B-0417-D8
Nitrogen system	101B-0417-D18