

RESTRICTED

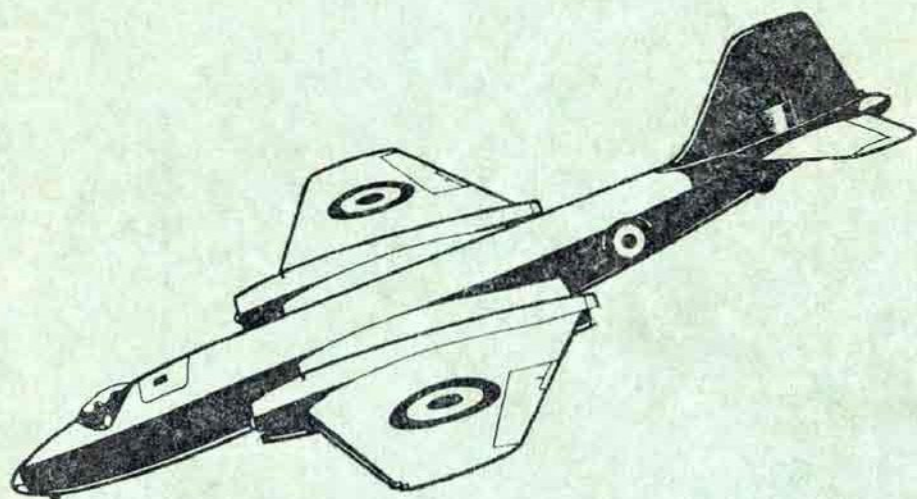
2nd Edition

A.P. 4326B—P.N.

# PILOT'S NOTES

# CANBERRA

## B.2



Prepared by Direction  
of the  
Minister of Supply

Promulgated by Order  
of the  
Air Council

*J. R. C. Helmore J. H. Bannard*

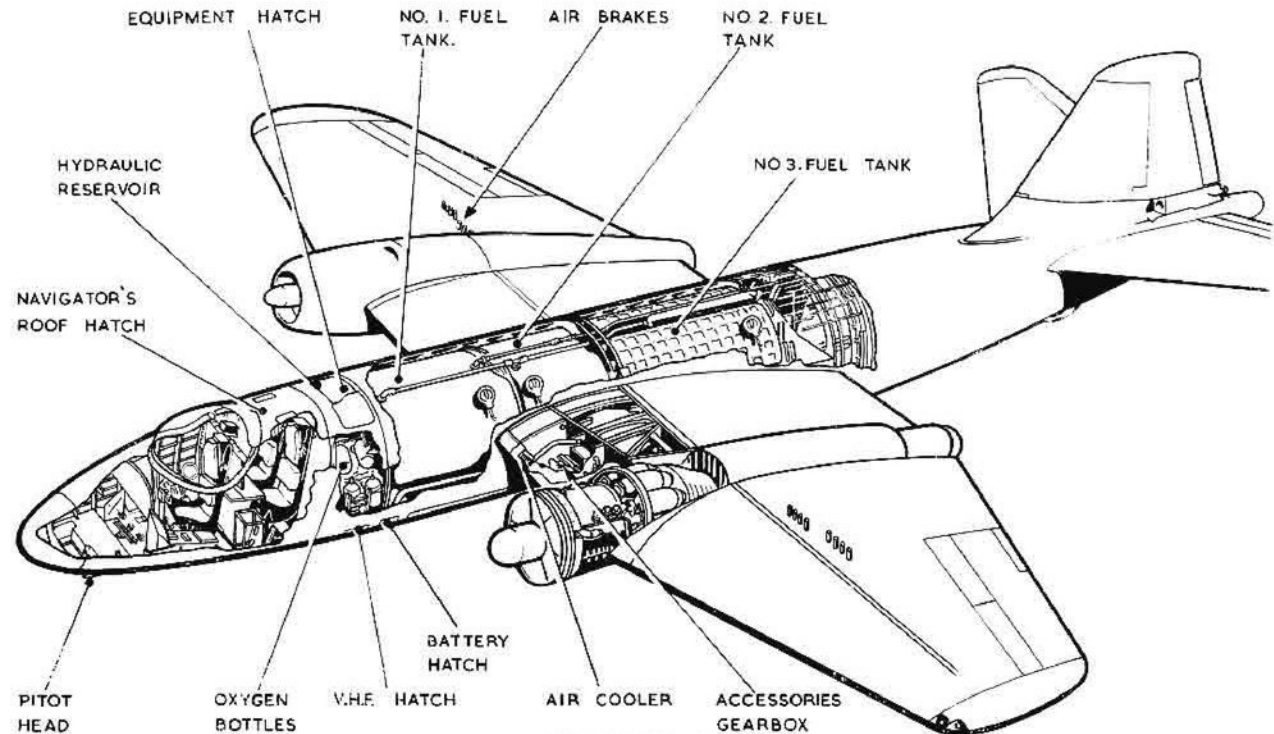
RESTRICTED

**NOTES TO USERS**

THESE Notes are complementary to A.P.2095 Pilot's Notes General, and assume a thorough knowledge of its contents. All pilots should be in possession of a copy of A.P. 2095 (see A.M.O. A.178/53).

Additional copies may be obtained by the Station Publications Officer by application on R.A.F. form 294A, in **duplicate**, to Command Headquarters for onward transmission to A.P.F.S. (see A.P.113) The number of this publication must be quoted in full A.P.4326B—P.N.

Comments and suggestions should be forwarded through the usual channels to the Air Ministry (T.F.2).



**CANBERRA B2**

## LIST OF ASSOCIATED AIR PUBLICATIONS

| TITLE                            | A.P. No.    |
|----------------------------------|-------------|
| Canberra B Mk. 2 Aircraft ... .. | 4326B       |
| Avon Mk. 1 Aero-engine ... ..    | 4321A       |
| Electrical equipment ... ..      | 1095A       |
| Engine starting systems ... ..   | 1881        |
| Ejection equipment ... ..        | 4288A       |
| Gee-H ... ..                     | 2557G       |
| Hydraulic equipment ... ..       | 1803 Series |
| I.F.F. ... ..                    | 2887D       |
| Instrument manual ... ..         | 1275A, B    |
| Intercomm. equipment ... ..      | 2876B       |
| R.A.F. engineering ... ..        | 1464 Series |
| Rebecca ... ..                   | 2914Y       |
| Signal manual ... ..             | 1186D       |
| V.H.F. equipment ... ..          | 2538H       |

# RESTRICTED

## CANBERRA B.2

### PILOT'S EXTERNAL CHECK LIST

\*The items starred are peculiar to this aircraft, the others are all common airmanship checks.

Start at the entrance door and work clockwise round the aircraft.

| ITEM                           | CHECK   |
|--------------------------------|---|
| Nose wheels                    | Locking pin removed<br>Tyres for cuts and creep<br>Extension of oleo<br>Condition of nose wheel doors   |
| *Electrical panel access hatch | GROUND/FLIGHT switch (if fitted) as required (Para. 19(iii))  |
| Starboard undercarriage        | Lock removed<br>Tyre for cuts and creep<br>Extension of oleo<br>Condition of doors<br>Brake lead secure |
| *Starboard wheel well          | Hydraulic accumulator pressure 1,350 lb./sq. in. min. (Para 18(iii))                                    |
| Starboard engine               | Intake guard removed  |
| Starboard mainplane            | Condition of undersurface and leading edge  |
| Starboard navigation light(s)  | Condition   |
| Starboard tip tank             | Condition.  |
| Starboard aileron              | External control lock removed<br>Condition of spring tab  |
| Starboard flap                 | Condition and position  |
| Starboard mainplane            | Condition of upper surface  |
| Starboard engine jet pipe      | Cover removed   |
| *Bomb doors                    | Condition and position  |

| ITEM                     | CHECK   |
|--------------------------|---|
| Starboard fuselage       | Condition<br>*Camera hatch secure<br>Condition of tail skid   |
| Fin                      | Condition   |
| Starboard tailplane      | Condition and position  |
| Starboard elevator       | Condition<br>External control lock removed<br>Condition of geared tab                                   |
| Navigation lights        | Condition   |
| Rudder                   | External control lock fitted (Para. 54).<br>Position and condition of spring tab                        |
| Port elevator            | External control lock removed<br>Condition of spring tab  |
| Port fuselage            | Condition   |
| Port mainplane           | Condition of upper surface  |
| Port flap                | Condition and position  |
| Port engine jet pipe     | Cover removed   |
| Port aileron             | External control lock removed<br>Condition and position of spring tab                                   |
| Port navigation light(s) | Condition   |
| Port tip tank            | Condition   |
| Port mainplane           | Condition of undersurface and leading edge  |
| Landing lamp             | Condition. Retracted  |
| Port engine              | Intake guard removed  |
| Port undercarriage       | Lock removed<br>Tyre for cuts and creep<br>Extension of oleo<br>Brake lead secure<br>Condition of doors |
| Port fuselage            | *Battery and radio hatches secure<br>*Condition of navigator's window                                   |

| <b>ITEM</b>         | <b>CHECK</b>              |
|---------------------|---------------------------|
| Nose port side      | Static vent plugs removed |
| Nose                | Condition                 |
| Pressure head       | Cover removed             |
| Nose starboard side | Static vent plugs removed |

## CANBERRA B.2

This edition supersedes the previous edition issued in November, 1951.

### LIST OF CONTENTS

Pilot's external check list Pages 3 to 5

### PART I—DESCRIPTIVE

#### INTRODUCTION

#### FUEL AND OIL SYSTEMS

|  | <i>Para.</i> |
|--|--------------|
| Fuel system description . . . . .        | 1            |
| Fuel tanks . . . . .                     | 2            |
| Wing tip tanks jettisoning . . . . .     | 3            |
| L.P. fuel cocks and pumps . . . . .      | 4            |
| H.P. fuel cocks . . . . .                | 5            |
| H.P. fuel pumps . . . . .                | 6            |
| H.P. fuel pump isolating valve . . . . . | 7            |
| Fuel pressure warning lights . . . . .   | 8            |
| Fuel contents gauges . . . . .           | 9            |
| Oil system . . . . .                     | 10           |

#### ENGINE CONTROLS

|  |    |
|--|----|
| Throttle controls . . . . .  | 11 |
| Swirl vanes and bleed valves . . . . .                               | 12 |
| Engine starting and stopping controls . . . . .                      | 13 |
| Starter loading . . . . .  | 14 |
| Engine relighting system . . . . .                                   | 15 |
| Engine instruments . . . . .   | 16 |
| Engine and fuel tank fire-extinguishers and warning lights . . . . . | 17 |

#### MAIN SERVICES

|                                     |    |
|-------------------------------------|----|
| Hydraulic system . . . . .          | 18 |
| Electrical system—24-volt . . . . . | 19 |

## AIRCRAFT CONTROLS

|   | <i>Para.</i> |
|---|--------------|
| Flying controls ... ..                                    | 20           |
| Flying controls locking gear and picketing points         | 21           |
| Variable incidence tailplane and trimming controls ... .. | 22           |
| Undercarriage controls and indicator ... ..               | 23           |
| Undercarriage emergency operation ... ..                  | 24           |
| Flap control ... ..                                       | 25           |
| Air brakes control ... ..                                 | 26           |
| Wheel brakes control ... ..                               | 27           |

## COCKPIT EQUIPMENT

|   |    |
|---|----|
| Access ... ..   | 28 |
| Emergency operation of the entrance door ...                            | 29 |
| Seats and harness releases ... ..                                       | 30 |
| Cabin heating and ventilating ... ..                                    | 31 |
| Cabin pressurising ... ..   | 32 |
| Canopy, D.V. panel and de-misting ... ..                                | 33 |
| Canopy and roof hatch jettisoning and control column snatch unit ... .. | 34 |
| Oxygen system and pressure-breathing ... ..                             | 35 |
| Oxygen emergency supply ... ..  | 36 |
| Cabin lighting ... ..   | 37 |
| External lighting ... ..  | 38 |
| A.S.I. system ... ..  | 39 |
| Emergency equipment ... ..  | 40 |

## NAVIGATIONAL AND RADIO EQUIPMENT

|                                  |    |
|----------------------------------|----|
| Mk. 4B compass ... ..            | 41 |
| Magnetic stand-by compass ... .. | 42 |
| V.H.F. installation ... ..       | 43 |
| Intercomm. ... ..                | 44 |
| Radar equipment ... ..           | 45 |

## OPERATIONAL CONTROLS

|  |    |
|--|----|
| Bomb doors ... ..  | 46 |
| Bomb control installation ... ..                               | 47 |
| Emergency operation of bomb doors and jettisoning bombs ... .. | 48 |
| Camera controls ... ..   | 49 |

## PART II—LIMITATIONS

|                           | <i>Para.</i> |
|---------------------------|--------------|
| Engine limitations ... .. | 50           |
| Flying limitations ... .. | 51           |
| Pilot limitation ... ..   | 52           |
| Use of AVTAG ... ..       | 53           |

## PART III—HANDLING

|  |    |
|--|----|
| Cockpit checks ... ..                    | 54 |
| Management of the fuel system ... ..     | 55 |
| Engine handling ... ..                   | 56 |
| Starting the engines ... ..              | 57 |
| Checks after starting ... ..             | 58 |
| Taxying ... ..                           | 59 |
| Take-off ... ..                          | 60 |
| Climbing ... ..                          | 61 |
| General flying ... ..                    | 62 |
| Stalling ... ..                          | 63 |
| High speed flying—Limitations ... ..     | 64 |
| High speed flying—Characteristics ... .. | 65 |
| Maximum range and endurance ... ..       | 66 |
| Flight planning charts ... ..            | 67 |
| Pressure error corrections ... ..        | 68 |
| Approach and landing ... ..              | 69 |
| Instrument approach ... ..               | 70 |
| Going round again ... ..                 | 71 |
| Checks after landing ... ..              | 72 |
| Stopping the engines ... ..              | 73 |

## PART IV—EMERGENCY HANDLING

|   |    |
|---|----|
| Engine failure on take-off ... ..                                   | 74 |
| Engine failure in flight ... ..                                     | 75 |
| Single engine flying ... ..   | 76 |
| Relighting an engine in flight ... ..                               | 77 |
| Action in the event of fire ... ..                                  | 78 |
| Single engine landing ... ..  | 79 |
| Going round again on one engine ... ..                              | 80 |
| Emergency operation of the undercarriage ... ..                     | 81 |
| Flapless landing ... ..   | 82 |
| Landing with a defective hydraulic system or wheel<br>brakes ... .. | 83 |
| Cabin pressurization failure at altitude ... ..                     | 84 |

|                                   |     |     |     |     |     |     | <i>Para.</i> |
|-----------------------------------|-----|-----|-----|-----|-----|-----|--------------|
| Abandoning the aircraft in flight | ... | ... | ... | ... | ... | ... | 85           |
| Jettisoning wing tip tanks        | ... | ... | ... | ... | ... | ... | 86           |
| Forced landing                    | ... | ..  | ... | ... | ... | ... | 87           |
| Ditching                          | ... | ... | ... | ... | ... | ... | 88           |



This file was downloaded  
from the RTFM Library.

Link: [www.scottbouch.com/rtfm](http://www.scottbouch.com/rtfm)

Please see site for usage terms,  
and more aircraft documents.

