Issue 4 of Supplement 8.150 is approved under the authority of DOA ref. UK.21J.0140

#### 1 GENERAL DESCRIPTION

**Note-** All the information given in Section 1 of the Flight Manual is for information only and does not form part of the approved procedures. All dimensions given are generic and for guidance purposes only. The information given below applies directly to approved equipment.

#### 2 LIMITATIONS

The following limitations apply in addition to the limitations given in Section 2 of the main manual.

Only the following burners and baskets may be used with the V-31.

### **Burner**

TC Ref.	Drawing No.	Туре
1	CB200	Mk 3 Single
7	CB2130-1 /-2 *	Mk 4 Shadow Single
14	CB2245-1 /-2 *	Mk 4 Shadow Single
15	CB2246-1 /-2 *	Mk 4 Shadow Single Adjustable Frame
19	CB391	Mk 4 Single
43	CB4111-1 /-2 /-3 /4**	Stratus Neo Single
48	CB4115 **	Stratus Neo Mini Single

<sup>\*, \*\* &</sup>quot;-1" to "-4" define approved variants.

### **Basket**

		Dimen	ıs	Dimen	sior	าร	Max	max	
TC Ref.	Drawing No.	cm			Inch			occupants	Cylinders
1	CB300-1	76.2	Х	69	30	Х	27	1	2
2	CB300-2	97	Х	114	38	Х	45	1	4
3	CB300-2A	97	Х	114	38	Х	45	1	4
18	CB310-1A	97	Х	97	38	Х	38	1	4
19	CB310-2A	97	Х	114	38	Х	45	1	4
76	CB3649*	86	Х	104	34	Х	41	1	4
77	CB3665*	95	Х	114	37	Х	45	1	4
78	CB3652*	95	Х	132	37	Х	52	1	4

<sup>\*</sup> These drawing numbers may be appended '-1, -2, -3, -4' which define approved variants.

<sup>^</sup> Drawing includes outer load frame. Burner assembly without load frame is CB2702.

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# 2.6 Safety Equipment

The following items must be installed and functional -

An altimeter A rate of climb indicator or variometer

A fuel quantity gauge (or, if fuel cells are used, a means to indicate the quantity of fuel in each cell during flight)

#### 2.7 Crew

Maximum Occupants -Refer to the 'Maximum Occupants Including Pilot' column

in the basket table above.

## 2.8 Envelope Temperature and Loading

Maximum Weight -285 kg (629 lb) (Refer to the loading chart, Section 5.1)

Operational Weight -From Empty Weight to the Maximum Weight Range

The loading chart in section 5.1 of the main manual must be used and the lift per 1000 cu ft must be converted to total permitted lift using the table provided.

#### 2.10 Rates of Climb and Descent

Maximum Rate of Climb -1000 ft/min (5 m/sec).

Maximum Rate of Descent - Refer to paragraph 2.10 in main manual. Cold descents are

permitted.

# 2.13 Operational Conditions

Daytime VFR. flight only unless authorized by operating regulations.

Issue 4 of Supplement 8.150 is approved under the authority of DOA ref. UK.21J.0140

#### 4 NORMAL PROCEDURES

# 4.6.4 Post Flight Checks

Issue 4 of Supplement 8.150 is approved under the authority of DOA ref. UK.21J.0140

Issue 4 of Supplement 8.151 is approved under the authority of DOA ref. UK.21J.0140

#### 1 GENERAL DESCRIPTION

**Note-** All the information given in Section 1 of the Flight Manual is for information only and does not form part of the approved procedures. All dimensions given are generic and for guidance purposes only. The information given below applies directly to approved equipment.

### 2 LIMITATIONS

The following limitations apply in addition to the limitations given in Section 2 of the main manual.

Only the following burners and baskets may be used with the V-56.

TC Ref.	Drawing No.	Туре
1	CB200	Mk 3 Single
3	CB205	Mk 3 Double
4	CB2075-1 /-2 *	Mk 4 Shadow Double
5	CB2101-1 /-2 *	Mk 4 Shadow / Stealth Double
7	CB2130-1 /-2 *	Mk 4 Shadow Single
8	CB2215-1 /-2 *	Mk 4 Shadow Double Adjustable Frame
9	CB2222-1 /-2 *	Mk 4 Shadow Double
11	CB2240-1 /-2 *	Mk 4 Stealth Double Adjustable Frame
12	CB2243-1 /-2 *	Mk 4 Shadow / Stealth Double
13	CB2244-1 /-2 *	Mk 4 Shadow / Stealth Double Adjustable Height
14	CB2245-1 /-2 *	Mk 4 Shadow Single
15	CB2246-1 /-2 *	Mk 4 Shadow Single Adjustable Frame
19	CB391	Mk 4 Single
20	CB392	Mk 4 Double
24	CB579-1 /-2 *	Mk 4 Super Double
29	CB2698 ^	Sirocco Double
30	CB2699 ^	Sirocco Double Adjustable Height
31	CB2691	Sirocco Double Solenoid
34	CB2694	Sirocco Double - Dual Action Handle
35	CB2695	Sirocco Double - Dual Action Handle, Adjustable Height
43	CB4111-1 /-2 /-3 /4**	Stratus Neo Single
44	CB4112-1 /-2 /-3 /4**	Stratus Neo Double
48	CB4115 **	Stratus Neo Mini Single
49	CB4116 **	Stratus Neo Mini Double

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\*, \*\* "-1" to "-4" define approved variants.

^ Drawing includes outer load frame. Burner assembly without load frame is CB2702.

# **Basket**

		Dimens	ions		Dimensi	ons		Max	max
TC Ref.	Drawing No.	cm			inch			occupants	Cylinders
1	CB300-1	76.2	Х	69	30	Х	27	1	2
2	CB300-2	97	Х	114	38	х	45	3	4
3	CB300-2A	97	Х	114	38	х	45	2	4
4	CB300-3	97	Х	137	38	х	54	3	4
5	CB300-3A	97	Х	137	38	Х	54	3	4
6	CB300-4	107	Х	147	42	х	58	3	4
7	CB300-4A	107	Х	147	42	Х	58	3	4
18	CB310-1A	97	Х	97	38	Х	38	2	4
19	CB310-2A	97	Х	114	38	х	45	3	4
20	CB310-3A	97	Х	137	38	Х	54	3	4
21	CB310-4A	107	Х	147	42	Х	58	3	4
76	CB3649*	86	Х	104	34	х	41	2	4
77	CB3665*	95	Х	114	37	х	45	3	4
78	CB3652*	95	Х	132	37	Х	52	3	4
79	CB8200	122	Х	173	48	Х	68	3	4
82	CB3733	110	Х	150	43	Х	59	3	6

<sup>\*</sup> These drawing numbers may be appended '-1, -2, -3, -4' which define approved variants.

# 2.6 Safety Equipment

The following items must be installed and functional -

An altimeter A rate of climb indicator or variometer

A fuel quantity gauge (or, if fuel cells are used, a means to indicate the quantity of fuel in each cell during flight)

#### **2.7 Crew**

Maximum Occupants - Refer to the 'Maximum Occupants Including Pilot' column in the basket table above.

in the basice table above.

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Issue 4 of Supplement 8.151 is approved under the authority of DOA ref. UK.21J.0140

# 2.8 Envelope Temperature and Loading

Maximum Weight- 508 kg (1120 lb) (Refer to the loading chart, Section 5.1)

Operational Weight- From Empty Weight to the Maximum Weight Range

The loading chart in section 5.1 of the main manual must be used and the lift per 1000 cu ft must be converted to total permitted lift using the table provided.

#### 2.10 Rates of Climb and Descent

Maximum Rate of Climb - 1000 ft/min (5 m/sec).

Maximum Rate of Descent - Refer to paragraph 2.10 in main manual. Cold descents are permitted.

# 2.13 Operational Conditions

Daytime VFR. flight only unless authorized by operating regulations.

#### 4 NORMAL PROCEDURES

### 4.6.4 Post Flight Checks

Issue 4 of Supplement 8.151 is approved under the authority of DOA ref. UK.21J.0140

Issue 4 of Supplement 8.152 is approved under the authority of DOA ref. UK.21J.0140

#### 1 GENERAL DESCRIPTION

**Note-** All the information given in Section 1 of the Flight Manual is for information only and does not form part of the approved procedures. All dimensions given are generic and for guidance purposes only. The information given below applies directly to approved equipment.

### 2 LIMITATIONS

The following limitations apply in addition to the limitations given in Section 2 of the main manual.

Only the following burners and baskets may be used with the V-65.

TC Ref.	Drawing No.	Туре
1	CB200	Mk 3 Single
3	CB205	Mk 3 Double
4	CB2075-1 /-2 *	Mk 4 Shadow Double
5	CB2101-1 /-2 *	Mk 4 Shadow / Stealth Double
7	CB2130-1 /-2 *	Mk 4 Shadow Single
8	CB2215-1 /-2 *	Mk 4 Shadow Double Adjustable Frame
9	CB2222-1 /-2 *	Mk 4 Shadow Double
11	CB2240-1 /-2 *	Mk 4 Stealth Double Adjustable Frame
12	CB2243-1 /-2 *	Mk 4 Shadow / Stealth Double
13	CB2244-1 /-2 *	Mk 4 Shadow / Stealth Double Adjustable Height
14	CB2245-1 /-2 *	Mk 4 Shadow Single
15	CB2246-1 /-2 *	Mk 4 Shadow Single Adjustable Frame
19	CB391	Mk 4 Single
20	CB392	Mk 4 Double
24	CB579-1 /-2 *	Mk 4 Super Double
29	CB2698 ^	Sirocco Double
30	CB2699 ^	Sirocco Double Adjustable Height
31	CB2691	Sirocco Double Solenoid
34	CB2694	Sirocco Double - Dual Action Handle
35	CB2695	Sirocco Double - Dual Action Handle, Adjustable Height
43	CB4111-1 /-2 /-3 /4**	Stratus Neo Single
44	CB4112-1 /-2 /-3 /4**	Stratus Neo Double
48	CB4115 **	Stratus Neo Mini Single
49	CB4116 **	Stratus Neo Mini Double

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\*, \*\* "-1" to "-4" define approved variants.

^ Drawing includes outer load frame. Burner assembly without load frame is CB2702.

# **Basket**

		Dimens	ions	,	Dimensio	ons		Max	max
TC Ref.	Drawing No.	cm			inch			occupants	Cylinders
1	CB300-1	76.2	Х	69	30	х	27	1	2
2	CB300-2	97	Х	114	38	х	45	3	4
3	CB300-2A	97	Х	114	38	Х	45	2	4
4	CB300-3	97	Х	137	38	Х	54	3	4
5	CB300-3A	97	Х	137	38	х	54	3	4
6	CB300-4	107	Х	147	42	Х	58	3	4
7	CB300-4A	107	Х	147	42	х	58	3	4
18	CB310-1A	97	Х	97	38	х	38	2	4
19	CB310-2A	97	Х	114	38	х	45	3	4
20	CB310-3A	97	Х	137	38	Х	54	3	4
21	CB310-4A	107	Х	147	42	Х	58	3	4
76	CB3649*	86	Х	104	34	х	41	2	4
77	CB3665*	95	Х	114	37	х	45	3	4
78	CB3652*	95	Х	132	37	х	52	3	4
79	CB8200	122	Х	173	48	Х	68	3	4
80	CB8201	122	Х	210	48	Х	82	3	5
82	CB3733	110	Х	150	43	х	59	3	6

<sup>\*</sup> These drawing numbers may be appended '-1, -2, -3, -4' which define approved variants.

# 2.6 Safety Equipment

The following items must be installed and functional -

An altimeter

A rate of climb indicator or variometer

A fuel quantity gauge (or, if fuel cells are used, a means to indicate the quantity of fuel in each cell during flight)

Issue 4 of Supplement 8.152 is approved under the authority of DOA ref. UK.21J.0140

#### 2.7 Crew

Maximum Occupants - Refer to the 'Maximum Occupants Including Pilot' column

in the basket table above.

# 2.8 Envelope Temperature and Loading

Maximum Weight - 590 kg (1300 lb) (Refer to the loading chart, Section 5.1)

Operational Weight - From Empty Weight to the Maximum Weight Range

The loading chart in section 5.1 of the main manual must be used and the lift per 1000 cu ft must be converted to total permitted lift using the table provided.

#### 2.10 Rates of Climb and Descent

Maximum Rate of Climb - 1000 ft/min (5 m/sec).

Maximum Rate of Descent - Refer to paragraph 2.10 in main manual. Cold descents are

permitted.

## 2.13 Operational Conditions

Daytime VFR. flight only unless authorized by operating regulations.

#### 4 NORMAL PROCEDURES

### 4.6.4 Post Flight Checks

Issue 4 of Supplement 8.152 is approved under the authority of DOA ref. UK.21J.0140

Issue 4 of Supplement 8.153 is approved under the authority of DOA ref. UK.21J.0140

#### 1 GENERAL DESCRIPTION

**Note -** All the information given in Section 1 of the Flight Manual is for information only and does not form part of the approved procedures. All dimensions given are generic and for guidance purposes only. The information given below applies directly to approved equipment.

### 2 LIMITATIONS

The following limitations apply in addition to the limitations given in Section 2 of the main manual.

Only the following burner and basket may be used with the V-77.

TC Ref.	Drawing No.	Туре
1	CB200	Mk 3 Single
3	CB205	Mk 3 Double
4	CB2075-1 /-2 *	Mk 4 Shadow Double
5	CB2101-1 /-2 *	Mk 4 Shadow / Stealth Double
7	CB2130-1 /-2 *	Mk 4 Shadow Single
8	CB2215-1 /-2 *	Mk 4 Shadow Double Adjustable Frame
9	CB2222-1 /-2 *	Mk 4 Shadow Double
11	CB2240-1 /-2 *	Mk 4 Stealth Double Adjustable Frame
12	CB2243-1 /-2 *	Mk 4 Shadow / Stealth Double
13	CB2244-1 /-2 *	Mk 4 Shadow / Stealth Double Adjustable Height
14	CB2245-1 /-2 *	Mk 4 Shadow Single
15	CB2246-1 /-2 *	Mk 4 Shadow Single Adjustable Frame
19	CB391	Mk 4 Single
20	CB392	Mk 4 Double
24	CB579-1 /-2 *	Mk 4 Super Double
29	CB2698 ^	Sirocco Double
30	CB2699 ^	Sirocco Double Adjustable Height
31	CB2691	Sirocco Double Solenoid
34	CB2694	Sirocco Double - Dual Action Handle
35	CB2695	Sirocco Double - Dual Action Handle, Adjustable Height
43	CB4111-1 /-2 /-3 /4**	Stratus Neo Single
44	CB4112-1 /-2 /-3 /4**	Stratus Neo Double
48	CB4115 **	Stratus Neo Mini Single
49	CB4116 **	Stratus Neo Mini Double

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\*, \*\* "-1" to "-4" define approved variants.

^ Drawing includes outer load frame. Burner assembly without load frame is CB2702

### **Basket**

		Dimens	ions	,	Dimensio	ons		Max	max
TC Ref.	Drawing No.	cm			inch			occupants	Cylinders
1	CB300-1	76.2	Х	69	30	х	27	1	2
2	CB300-2	97	Х	114	38	х	45	3	4
3	CB300-2A	97	Х	114	38	х	45	2	4
4	CB300-3	97	Х	137	38	х	54	4	4
5	CB300-3A	97	Х	137	38	х	54	4	4
6	CB300-4	107	Х	147	42	Х	58	4	4
7	CB300-4A	107	Х	147	42	х	58	4	4
18	CB310-1A	97	Х	97	38	х	38	2	4
19	CB310-2A	97	Х	114	38	х	45	3	4
20	CB310-3A	97	Х	137	38	Х	54	4	4
21	CB310-4A	107	Х	147	42	Х	58	4	4
76	CB3649*	86	Х	104	34	х	41	2	4
77	CB3665*	95	Х	114	37	х	45	3	4
78	CB3652*	95	Х	132	37	Х	52	4	4
79	CB8200	122	Х	173	48	Х	68	4	4
80	CB8201	122	Х	210	48	Х	82	4	5
82	CB3733	110	Х	150	43	х	59	4	6

<sup>\*</sup> These drawing numbers may be appended '-1, -2, -3, -4' which define approved variants.

# 2.6 Safety Equipment

The following items must be installed and functional -

An altimeter

A rate of climb indicator or variometer

A fuel quantity gauge (or, if fuel cells are used, a means to indicate the quantity of fuel in each cell during flight)

Issue 4 of Supplement 8.153 is approved under the authority of DOA ref. UK.21J.0140

#### 2.7 Crew

Maximum Occupants - Refer to the 'Maximum Occupants Including Pilot' column

in the basket table above.

# 2.8 Envelope Temperature and Loading

Maximum Weight- 703 kg (1550 lb) (Refer to the loading chart, Section 5.1)

Operational Weight- From Empty Weight to the Maximum Weight Range

The loading chart in section 5.1 of the main manual must be used and the lift per 1000 cu ft must be converted to total permitted lift using the table provided.

#### 2.10 Rates of Climb and Descent

Maximum Rate of Climb - 1000 ft/min (5 m/sec).

Maximum Rate of Descent - Refer to paragraph 2.10 in main manual. Cold descents are permitted.

# 2.13 Operational Conditions

Daytime VFR. flight only unless authorized by operating regulations.

#### 4 NORMAL PROCEDURES

### 4.6.4 Post Flight Checks

Issue 4 of Supplement 8.153 is approved under the authority of DOA ref. UK.21J.0140

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#### 1 GENERAL DESCRIPTION

**Note -** All the information given in Section 1 of the Flight Manual is for information only and does not form part of the approved procedures. All dimensions given are generic and for guidance purposes only. The information given below applies directly to approved equipment.

## 2 LIMITATIONS

The following limitations apply in addition to the limitations given in Section 2 of the main manual.

Only the following burners and baskets may be used with the V-90.

TC Ref.	Drawing No.	Туре
3	CB205	Mk 3 Double
4	CB2075-1 /-2 *	Mk 4 Shadow Double
5	CB2101-1 /-2 *	Mk 4 Shadow / Stealth Double
7	CB2130-1 /-2 *	Mk 4 Shadow Single
8	CB2215-1 /-2 *	Mk 4 Shadow Double Adjustable Frame
9	CB2222-1 /-2 *	Mk 4 Shadow Double
11	CB2101-1 /-2 *	Mk 4 Shadow / Stealth Double
12	CB2243-1 /-2 *	Mk 4 Shadow / Stealth Double
13	CB2244-1 /-2 *	Mk 4 Shadow / Stealth Double Adjustable Height
14	CB2245-1 /-2 *	Mk 4 Shadow Single
15	CB2246-1 /-2 *	Mk 4 Shadow Single Adjustable Frame
19	CB391	Mk 4 Single
20	CB392	Mk 4 Double
23	CB494	Mk 4 Double Solenoid (simplified) version
24	CB579-1 /-2 *	Mk 4 Super Double
25	CB595-1 /-2 *	Mk 4 Super Double Solenoid version
29	CB2698 ^	Sirocco Double
30	CB2699 ^	Sirocco Double Adjustable Height
31	CB2691	Sirocco Double Solenoid
34	CB2694	Sirocco Double - Dual Action Handle
35	CB2695	Sirocco Double - Dual Action Handle, Adjustable Height
43	CB4111-1 /-2 /-3 /4**	Stratus Neo Single
44	CB4112-1 /-2 /-3 /4**	Stratus Neo Double
48	CB4115 **	Stratus Neo Mini Single
49	CB4116 **	Stratus Neo Mini Double

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\*, \*\* "-1" to "-4" define approved variants.

^ Drawing includes outer load frame. Burner assembly without load frame is CB2702.

### **Basket**

		Dimensions			Dimensio	ons		Max	max
TC Ref.	Drawing No.	cm			inch			occupants	Cylinders
1	CB300-1	76.2	Х	69	30	Х	27	1	2
2	CB300-2	97	Х	114	38	Х	45	3	4
3	CB300-2A	97	Х	114	38	х	45	2	4
4	CB300-3	97	Х	137	38	х	54	4	4
5	CB300-3A	97	Х	137	38	х	54	4	4
6	CB300-4	107	Х	147	42	Х	58	5	4
7	CB300-4A	107	Х	147	42	х	58	5	4
16	CB303	107	Х	175	42	х	69	5	6
17	CB308	107	Х	175	42	х	69	5	6
18	CB310-1A	97	Х	97	38	Х	38	2	4
19	CB310-2A	97	Х	114	38	Х	45	3	4
20	CB310-3A	97	Х	137	38	Х	54	4	4
21	CB310-4A	107	Х	147	42	Х	58	5	4
27	CB950	120	Х	180	47	Х	71	5	6
28	CB967	110	Х	186	43	х	73	5	6
76	CB3649*	86	Х	104	34	Х	41	2	4
77	CB3665*	95	Х	114	37	Х	45	3	4
78	CB3652*	95	Х	132	37	Х	52	4	4
79	CB8200	122	Х	173	48	Х	68	5	4
80	CB8201	122	Х	210	48	Х	82	5	5
82	CB3733	110	Х	150	43	Х	59	5	6

<sup>\*</sup> These drawing numbers may be appended '-1, -2, -3, -4' which define approved variants.

# 2.6 Safety Equipment

The following items must be installed and functional-

An altimeter

A rate of climb indicator or variometer

A fuel quantity gauge (or, if fuel cells are used, a means to indicate the quantity of fuel in each cell during flight)

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#### 2.7 Crew

Maximum Occupants- Refer to the 'Maximum Occupants Including Pilot' column

in the basket table above.

### 2.8 Envelope Temperature and Loading

Maximum Weight- 816 kg (1800 lb) (Refer to the loading chart, Section 5.1)

Operational Weight- From Empty Weight to the Maximum Weight Range

The loading chart in section 5.1 of the main manual must be used and the lift per 1000 cu ft must be converted to total permitted lift using the table provided.

#### 2.10 Rates of Climb and Descent

Maximum Rate of Climb - 1000 ft/min (5 m/sec).

Maximum Rate of Descent - Refer to paragraph 2.10 in main manual. Cold descents are

permitted.

### 2.13 Operational Conditions

Daytime VFR. flight only unless authorized by operating regulations.

#### 4 NORMAL PROCEDURES

### 4.6.4 Post Flight Checks

Issue 4 of Supplement 8.154 is approved under the authority of DOA ref. UK.21J.0140