

**CANADA ONLY ADDENDUM FOR O-31**

Issue 4 of Supplement 8.155 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 O-31.

**Burner**

TC Ref.	Drawing No.	Type
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	CB4115-1 /-2 /-3 /-4**	Stratus Neo Mini Single

\*, \*\* “-1” to “-4” define approved variants.

**Basket**

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

\* These drawing numbers may be appended ‘-1, -2, -3, -4’ which define approved variants.



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**4 NORMAL PROCEDURES**

**4.6.4 Post Flight Checks**

If a hard landing has been conducted, the basket, burner and fuel cylinders must be inspected for damage as per Maintenance Manual sections 6.6.5, 6.6.4 and 6.6.7 (including table 6.1) respectively.

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**CANADA ONLY ADDENDUM FOR O-42**

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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 O-42.

**Burner**

TC Ref.	Drawing No.	Type
1	CB200	Mk 3 Single
7	CB2130-1 /-2 *	Mk 4 Shadow Single
11	CB2240-1 /-2 *	Mk4 Stealth Double Adjustable Frame
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	CB4115-1 /-2 /-3 /4**	Stratus Neo Mini Single

\*, \*\* “-1” to “-4” define approved variants.

**Basket**

TC Ref.	Drawing No.	Dimensions cm	Dimensions inch	Max occupants	max Cylinders
1	CB300-1	76.2 x 69	30 x 27	1	2
2	CB300-2	97 x 114	38 x 45	2	4
3	CB300-2A	97 x 114	38 x 45	2	4
4	CB300-3	97 x 137	38 x 54	2	4
5	CB300-3A	97 x 137	38 x 54	2	4
6	CB300-4	107 x 147	42 x 58	2	4
7	CB300-4A	107 x 147	42 x 58	2	4
18	CB310-1A	97 x 97	38 x 38	2	4

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TC Ref.	Drawing No.	Dimensions cm	Dimensions inch	Max occupants	max Cylinders
19	CB310-2A	97 x 114	38 x 45	2	4
20	CB310-3A	97 x 137	38 x 54	2	4
21	CB310-4A	107 x 147	42 x 58	2	4
76	CB3649*	86 x 104	34 x 41	2	4
77	CB3665*	95 x 114	37 x 45	2	4
78	CB3652*	95 x 132	37 x 52	2	4

\* 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.

**2.8 Envelope Temperature and Loading**

Maximum Weight -

381 kg (840 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.

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**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**

If a hard landing has been conducted, the basket, burner and fuel cylinders must be inspected for damage as per Maintenance Manual sections 6.6.5, 6.6.4 and 6.6.7 (including table 6.1) respectively.

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**CANADA ONLY ADDENDUM FOR O-56**

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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 O-56.

**Burner**

TC Ref.	Drawing No.	Type
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	CB4115-1 /-2 /-3 /4**	Stratus Neo Mini Single
49	CB4116-1 /-2 /-3 /4**	Stratus Neo Mini Double

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## CANADA ONLY ADDENDUM FOR O-56

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\*, \*\* “-1” to “-4” define approved variants.

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

### Basket

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

\* 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.

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## CANADA ONLY ADDENDUM FOR O-56

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### 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

If a hard landing has been conducted, the basket, burner and fuel cylinders must be inspected for damage as per Maintenance Manual sections 6.6.5, 6.6.4 and 6.6.7 (including table 6.1) respectively.

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# SUPPLEMENT 8.158 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-65

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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 O-65.

#### Burner

TC Ref.	Drawing No.	Type
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	CB4115-1 /-2 /-3 /4**	Stratus Neo Mini Single
49	CB4116-1 /-2 /-3 /4**	Stratus Neo Mini Double

# SUPPLEMENT 8.158 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-65

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

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

### Basket

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

\* 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- 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**

If a hard landing has been conducted, the basket, burner and fuel cylinders must be inspected  
for damage as per Maintenance Manual sections 6.6.5, 6.6.4 and 6.6.7 (including table 6.1)  
respectively.

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# SUPPLEMENT 8.159 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-77

Issue 4 of Supplement 8.159 is approved under the authority of DOA ref.  
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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 O-77.

#### Burner

TC Ref.	Drawing No.	Type
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	CB4115-1 /-2 /-3 /4**	Stratus Neo Mini Single
49	CB4116-1 /-2 /-3 /4**	Stratus Neo Mini Double

# SUPPLEMENT 8.159 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-77

Issue 4 of Supplement 8.159 is approved under the authority of DOA ref.  
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### Basket

TC Ref.	Drawing No.	Dimensions cm	Dimensions inch	Maximum occupants inc. pilot	max Cylinders
1	CB300-1	76.2 x 68.6	30 x 27	1	2
2	CB300-2	97 x 114.0	38 x 45	3	4
3	CB300-2A	97 x 114.0	38 x 45	2	4
4	CB300-3	97 x 137.0	38 x 54	4	4
5	CB300-3A	97 x 137.0	38 x 54	4	4
6	CB300-4	107 x 147.0	42 x 58	4	4
7	CB300-4A	107 x 147.0	42 x 58	4	4
18	CB310-1A	97 x 97.0	38 x 38	2	4
19	CB310-2A	97 x 114.0	38 x 45	3	4
20	CB310-3A	97 x 137.0	38 x 54	4	4
21	CB310-4A	107 x 147.0	42 x 58	4	4
74	CB301-3	107 x 132	42 x 52	4	4
76	CB3649*	86 x 104.0	34 x 41	2	4
77	CB3665*	95 x 114.0	37 x 45	3	4
78	CB3652*	95 x 132.0	37 x 52	4	4
79	CB8200	122 x 173.0	48 x 68	4	4
80	CB8201	122 x 210.0	48 x 82	4	5
82	CB3733	110 x 150	43 x 59	4	6

\* 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.

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## **CANADA ONLY ADDENDUM FOR O-77**

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### **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**

If a hard landing has been conducted, the basket, burner and fuel cylinders must be inspected for damage as per Maintenance Manual sections 6.6.5, 6.6.4 and 6.6.7 (including table 6.1) respectively.

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**CANADA ONLY ADDENDUM FOR O-84**

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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 O-84.

**Burner**

TC Ref.	Drawing No.	Type
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	CB4115-1 /-2 /-3 /4**	Stratus Neo Mini Single
49	CB4116-1 /-2 /-3 /4**	Stratus Neo Mini Double

# SUPPLEMENT 8.160 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-84

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

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

### Basket

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

\* 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.

# SUPPLEMENT 8.160 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-84

Issue 4 of Supplement 8.160 is approved under the authority of DOA ref.  
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### 2.8 Envelope Temperature and Loading

Maximum Weight - 762 kg (1680 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

If a hard landing has been conducted, the basket, burner and fuel cylinders must be inspected for damage as per Maintenance Manual sections 6.6.5, 6.6.4 and 6.6.7 (including table 6.1) respectively.

**SUPPLEMENT 8.160 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10**

**CANADA ONLY ADDENDUM FOR O-84**

Issue 4 of Supplement 8.160 is approved under the authority of DOA ref.  
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# SUPPLEMENT 8.161 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-90

Issue 4 of Supplement 8.161 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 O-90.

#### Burner

TC Ref.	Drawing No.	Type
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
23	CB494	Mk 4 Double Solenoid (simplified) version
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	CB4115-1 /-2 /-3 /4**	Stratus Neo Mini Single
49	CB4116-1 /-2 /-3 /4**	Stratus Neo Mini Double

# SUPPLEMENT 8.161 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-90

Issue 4 of Supplement 8.161 is approved under the authority of DOA ref.  
UK.21J.0140

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

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

### Basket

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

\* 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)

# SUPPLEMENT 8.161 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-90

Issue 4 of Supplement 8.161 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 - 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

If a hard landing has been conducted, the basket, burner and fuel cylinders must be inspected  
for damage as per Maintenance Manual sections 6.6.5, 6.6.4 and 6.6.7 (including table 6.1)  
respectively.

**SUPPLEMENT 8.161 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10**

**CANADA ONLY ADDENDUM FOR O-90**

Issue 4 of Supplement 8.161 is approved under the authority of DOA ref.  
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# SUPPLEMENT 8.162 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-105

Issue 4 of Supplement 8.162 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 O-105.

#### Burner

TC Ref.	Drawing No.	Type
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 *	Mk4 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
23	CB494	Mk 4 Double Solenoid (simplified) version
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
49	CB4116 **	Stratus Neo Mini Double

# SUPPLEMENT 8.162 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-105

Issue 4 of Supplement 8.162 is approved under the authority of DOA ref.  
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\*, \*\* "-1" to "-4" define approved variants.

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

### Basket

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

\* 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)

# SUPPLEMENT 8.162 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-105

Issue 4 of Supplement 8.162 is approved under the authority of DOA ref.  
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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 - 952 kg (2100 lb) (Refer to the loading chart, Section 5.1)

Operational Weight - From 476 kg (1050 lb) 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

If a hard landing has been conducted, the basket, burner and fuel cylinders must be inspected for damage as per Maintenance Manual sections 6.6.5, 6.6.4 and 6.6.7 (including table 6.1) respectively.

**SUPPLEMENT 8.162 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10**

**CANADA ONLY ADDENDUM FOR O-105**

Issue 4 of Supplement 8.162 is approved under the authority of DOA ref.  
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# SUPPLEMENT 8.163 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-120

Issue 4 of Supplement 8.163 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 O-120.

#### Burner

TC Ref.	Drawing No.	Type
3	CB205	Mk 3 Double
4	CB2075-1 /-2 *	Mk 4 Shadow Double
5	CB2101-1 /-2 *	Mk 4 Shadow / Stealth Double
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
20	CB392	Mk 4 Double
23	CB494	Mk 4 Double Solenoid (simplified) version
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
44	CB4112-1 /-2 /-3 /4**	Stratus Neo Double
49	CB4116 **	Stratus Neo Mini Double

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

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

# SUPPLEMENT 8.163 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-120

Issue 4 of Supplement 8.163 is approved under the authority of DOA ref.  
UK.21J.0140

### Basket

TC Ref.	Drawing No.	Dimensions cm	Dimensions inch	Max occupants	max Cylinders
1	CB300-1	76.2 x 69	30 x 27	1	2
2	CB300-2	97 x 114	38 x 45	3	4
3	CB300-2A	97 x 114	38 x 45	2	4
4	CB300-3	97 x 137	38 x 54	4	4
5	CB300-3A	97 x 137	38 x 54	4	4
6	CB300-4	107 x 147	42 x 58	5	4
7	CB300-4A	107 x 147	42 x 58	5	4
16	CB303	107 x 175	42 x 69	6	6
17	CB308	107 x 175	42 x 69	6	6
18	CB310-1A	97 x 97	38 x 38	2	4
19	CB310-2A	97 x 114	38 x 45	3	4
20	CB310-3A	97 x 137	38 x 54	4	4
21	CB310-4A	107 x 147	42 x 58	5	4
40	CB3153	120 x 180	47 x 71	7	6
76	CB3649*	86 x 104	34 x 41	2	4
77	CB3665*	95 x 114	37 x 45	3	4
78	CB3652*	95 x 132	37 x 52	4	4
79	CB8200	122 x 173	48 x 68	7	4
80	CB8201	122 x 210	48 x 82	7	5
82	CB3733	110 x 150	43 x 59	5	6

\* 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.

# SUPPLEMENT 8.163 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-120

Issue 4 of Supplement 8.163 is approved under the authority of DOA ref.  
UK.21J.0140

### 2.8 Envelope Temperature and Loading

Maximum Weight - 1088 kg (2400 lb) (Refer to the loading chart, Section 5.1)

Operational Weight - From 544 kg (1200 lb) 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

If a hard landing has been conducted, the basket, burner and fuel cylinders must be inspected for damage as per Maintenance Manual sections 6.6.5, 6.6.4 and 6.6.7 (including table 6.1) respectively.

**SUPPLEMENT 8.163 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10**

**CANADA ONLY ADDENDUM FOR O-120**

Issue 4 of Supplement 8.163 is approved under the authority of DOA ref.  
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# SUPPLEMENT 8.164 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-160

Issue 2 of Supplement 8.164 is approved under the authority of DOA ref.  
EASA.21J.140

### 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 O-160.

#### Burner

TC Ref.	Drawing No.	Type
3	CB205	Mk 3 Double
4	CB2075-1 /-2 *	Mk 4 Shadow Double
5	CB2101-1 /-2 *	Mk 4 Shadow / Stealth Double
8	CB2215-1 /-2 *	Mk 4 Shadow Double Adjustable Frame
9	CB2222-1 /-2 *	Mk 4 Shadow Double
12	CB2243-1 /-2 *	Mk 4 Shadow / Stealth Double
13	CB2244-1 /-2 *	Mk 4 Shadow / Stealth Double Adjustable Height
20	CB392	Mk 4 Double
23	CB494	Mk 4 Double Solenoid (simplified) version
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
44	CB4112-1 /-2 /-3 /4**	Stratus Neo Double
45	CB4113-1 /-2 /-3 /4**	Stratus Neo Triple

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

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

**CANADA ONLY ADDENDUM FOR O-160**

Issue 2 of Supplement 8.164 is approved under the authority of DOA ref. EASA.21J.140

**Basket**

TC Ref.	Drawing No.	Dimensions cm	Dimensions inch	Max occupants	max Cylinders
1	CB300-1	76.2 x 69	30 x 27	1	2
2	CB300-2	97 x 114	38 x 45	3	4
3	CB300-2A	97 x 114	38 x 45	2	4
4	CB300-3	97 x 137	38 x 54	4	4
5	CB300-3A	97 x 137	38 x 54	4	4
6	CB300-4	107 x 147	42 x 58	5	4
7	CB300-4A	107 x 147	42 x 58	5	4
8	CB300-5	122 x 203	48 x 80	9	6
9	CB300-5A	122 x 203	48 x 80	9	6
12	CB302-1	155 x 215	61 x 85	9	6
13	CB302-2	155 x 251	61 x 98	9	6
18	CB310-1A	97 x 97	38 x 38	2	4
19	CB310-2A	97 x 114	38 x 45	3	4
20	CB310-3A	97 x 137	38 x 54	4	4
21	CB310-4A	107 x 147	42 x 58	5	4
77	CB3665*	95 x 114	37 x 45	3	4
78	CB3652*	95 x 132	37 x 52	4	4
79	CB8200	122 x 173	48 x 68	7	4
80	CB8201	122 x 210	48 x 82	7	5

\* 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)

# SUPPLEMENT 8.164 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10

## CANADA ONLY ADDENDUM FOR O-160

Issue 2 of Supplement 8.164 is approved under the authority of DOA ref. EASA.21J.140

### 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- 1451 kg (3200 lb) (Refer to the loading chart, Section 5.1)

Operational Weight- Range From 726 kg (1601 lb) to the Maximum Weight

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 and Descent - 1000 ft/min.

### 2.13 Operational Conditions

Daytime VFR flight only unless authorized by operating regulations.

## 4 NORMAL PROCEDURES

### 4.6.4 Post Flight Checks

If a hard landing has been conducted, the basket, burner and fuel cylinders must be inspected for damage as per Maintenance Manual sections 6.6.5, 6.6.4 and 6.6.7(including table 6.1) respectively.

**SUPPLEMENT 8.164 TO CAMERON BALLOONS Ltd. FLIGHT MANUAL ISSUE 10**

**CANADA ONLY ADDENDUM FOR O-160**

Issue 2 of Supplement 8.164 is approved under the authority of DOA ref.  
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