

Amendment Number	Description	Pages Affected	Date	Approval
8	Record of Amendments updated, List of effective pages updated, Section 2: 2.10 Abiguity for 340 000 corrected Section 9: Burner Frame CB2371 added to basket CB754. Supplement 8.1: Colt Beer Glass, Colt Flying Kiwi and Super FMG-100 Special Shape added. Supplement 8.21: CB3157 Description corrected, CB947 and CB3505 added, burner frame CB2269 added to basket CB3394	i-v, i-vii, 2-4, 9-6, Supp 8.1: All, Supp 8.21: All,	14:07:2010	Approved by EASA under Approval Number 10030936
9	Record of Amendments updated, List of effective pages updated, Section 9, Table 6: Page 9-5, table completely revised, no new equipment introduced. Page 9-6, Burner Frame CB2192 (older non gimbal style) added to basket CB3360 Appendix 3, A3-1, Conversion factor standardised, reference to tables corrected. Supp. 8-13 Duo Airchair: Addition of Duo Skychariot and Duo Airchair. Supp. 8-14 Cloudhopper Millennium: Addition of part number of chair assembly and applicable cylinders. Supp. 8-15 Wheelchair Baskets: Limitations on occupancy moved from Section 6 to Section 2. Descriptions, cylinder and burner frame applicability updated. Supp. 8-21 Special Baskets: Cylinder and burner frame applicability updated. Baskets CB3520, CB3525 and CB3528 added.	i-v, i-vii, i-viii, 9-5, 9-6, A3-1. Supp 8.13: All, Supp 8.14: All, Supp 8.15: All, Supp 8.21: All.	02:03:2011	Approved by EASA under Approval Number 10034058
10	Record of Amendments updated, List of effective pages updated. Section 6: Description of out of production cylinders moved to new supplement. Section 9: Table 5: Envelopes, Type R baskets added to Z-425, Z-450, Z-600. Table 6: Burner Frames CB750, CB2860 and CB2863 added, burner frame applicability to CB8000 series updated Table 7: out of production cylinders deleted, Table 8: Solenoid and removable burners moved to supplements. Appendix III: Out of production cylinders moved to new supplement, Supplements 8.2-8.4, 8.6-8.8, 8.12-8.16, 8.19-8.20, 8.23-8.26, 8.30, 8.32, 8.35 and 8.36: Maintenance Sections removed (published with Maintenance Manual i10-Amdt 3), editorial updates, previously approved equipment added to 8.13 and 8.16. Supplement 8.21: LBL Burner frame (BA-152-A-002) added to CB994, Baskets CB3196, CB3537, CB3541, CB3543 and CB3545 added. Supplement 8.39: New Supplement, "Out of production cylinders" (approved data)	i-v, i-vii, i-viii, i-xv, 6-10, 6-11, 9-3, 9-5-9-8 A3-1. Supp 8.2-8.4, 8.6-8.8, 8.10, 8.13-8.16, 8.19-8.21, 8.23-8.26, 8.30, 8.32, 8.35, 8.36 and 8.39 All,	25:01:2012	Approved by EASA under Approval Number 10038169

**Note:** Any new or amended text in the revised page will be indicated by a black vertical line in the right hand margin, and the Amendment Number and the date will be shown at the bottom of the page.

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	i-viii	02 March 2011		4-22	Deleted
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	4-5	29 April 2010	8	8-1	31 July 2008
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- 6.3.10 Sirocco Burner
- 6.3.11 Sirocco E.P. Remote Control Burner
- 6.3.12 Fixed Height Burner Frame
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### **SECTION 7: BALLOON MAINTENANCE, HANDLING AND CARE**

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**SECTION 9 - EQUIPMENT LIST**

## 9.1 INTRODUCTION

## 9.2 EQUIPMENT LIST

Table 5 - Envelopes

Table 6 - Baskets

Table 7 - Fuel Cylinders

Table 8 - Burners

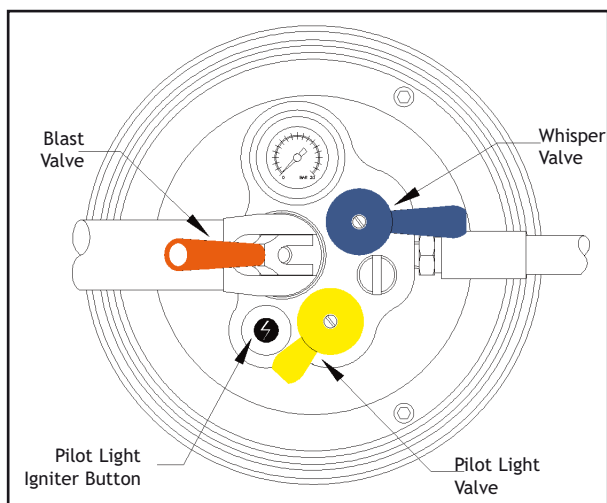
**APPENDIX 1: NOTES ON PROPANE FUEL****APPENDIX 2: LIFT CALCULATIONS FOR BALLOONS****APPENDIX 3: STANDARD COMPONENT WEIGHTS****APPENDIX 4: BASKET OCCUPANCY****APPENDIX 5: PERSONNEL HANDLING**

## A5.1 INTRODUCTION

## A5.2 CREW BRIEFINGS

A5.2.1. General

## A5.3 PASSENGER BRIEFINGS



Sirocco Control Layout ▲

The burner coil operates at a relatively low temperature which reduces thermic cycling extending burner life.

A dual action handle is fitted to allow the operation of a pair of burner units simultaneously with one hand.

The Whisper valve and pilot valve are operated by rotary action handles which are marked to show their sense of operation.

The Sirocco manifold block enables quick disassembly for ease of maintenance.

The Sirocco is only available with a regulated liquid pilot light system.

Sirocco burners are not fitted with crossflow valves.

### 6.3.11 Sirocco E.P. Remote Control Burner

The Sirocco burner is available with a solenoid actuated remote control system. The burner may be operated normally or from a hand held remote control. The remote control system actuates either burner of a double burner or both burners simultaneously. The System can also be fitted to one pair of burners in a triple burner system or one pair of burners in a quad burner system.



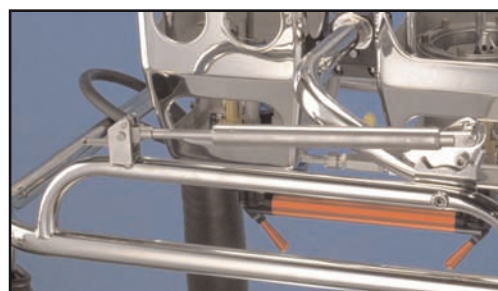
▲ Sirocco  
Manifold Block

### 6.3.12 Fixed Height Burner Frame

The burner assembly is mounted on a gimbal in the burner frame. The burner frame has a socket in each corner to accept a nylon support rod. In addition, there are rigging points at each corner through which karabiners are hooked to join the basket wires to the envelope flying cables. Larger frames are fitted with four additional sockets and rigging points. Heat shields may be fitted to larger burner frames to reduce radiant heat.

### 6.3.13 Adjustable Height Burner Frame

The adjustable height burner frame allows the burner to be raised and lowered relative to the basket floor. This adjustment can be safely carried out in flight. The adjustable burner frame is only available for use with single and double burners.



▲ Adjustable Burner Frame

## 6.4 FUEL CYLINDERS

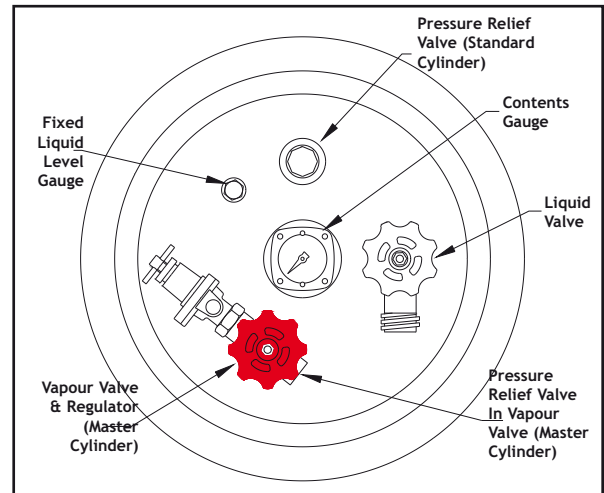
The fuel cylinders contain the liquid propane fuel under pressure. The cylinders are supplied in two configurations.

'Standard' cylinders: supplying liquid fuel feed only.

'Master' cylinders : supplying liquid fuel feed with an additional pressure regulated vapour supply for vapour pilot lights.

The liquid fuel is drawn from the bottom of the cylinder via an internal dip tube. The liquid supply is controlled by an external valve, either a handwheel type valve with a Rego type (screw-on) hose connector or a 'quick shutoff' lever-operated valve. The quick shutoff valve may be fitted with either a Rego type screw-on connector or a Tema push-on connector.

The regulated vapour pilot light supply (master cylinders only) is taken directly from the top of the cylinder through a handwheel type valve and an adjustable regulator. The vapour hose is connected using a quick release coupling.



▲ Fuel Cylinder Valve Layout - Master Stainless Steel Cylinder Shown

**Caution:** The Vapour Regulator requires an internal cylinder vapour pressure of 0.5 Bar (7 p.s.i) before it operates correctly. Care must be taken at low ambient temperatures when using fuel which is predominantly butane.

All fuel cylinders are fitted with:

A contents gauge which indicates from approximately 33% of capacity until the cylinder is empty.

A fixed liquid level gauge (bleed valve) which indicates when the cylinder is full.

A pressure relief valve (PRV) which protects the cylinder against excessive internal pressure.

A padded cover with integral map pocket. The padded cover must be used at all times.

The cylinders are strapped vertically inside the basket. Load spreading boards must be fitted to the internal runners of woven floor baskets if cylinders with a useable volume greater than 45 litres are used.

### 6.4.1 Deleted



#### 6.4.2 Cameron Duplex Stainless Steel Fuel Cylinders

A range of duplex stainless steel cylinders is available. These have usable volumes of between 45 and 72 litres. Cameron duplex stainless steel fuel cylinders have curved dip tubes.

#### 6.4.3 Deleted

#### 6.4.4 Mini Vapour Cylinder

The Mini Vapour Cylinder is a 5 litre Worthington aluminium fuel cylinder, fitted with a vapour outlet, pressure regulator and connections for two pilot light hoses.

Use of a Mini Vapour Cylinder allows the main master cylinders to be pressurised with nitrogen (N<sub>2</sub>) or carbon dioxide (CO<sub>2</sub>) to increase burner power in cold conditions, or in cases of low gas pressure (e.g. when using butane).

#### 6.4.5 Fuel Manifolds

Approved fuel manifolds may be used to join the outlets of several fuel cylinders to one burner fuel hose.

**WARNING:** Accidents have been caused by the use of non-approved fuel manifolds. In particular it is important that rigid refuelling adapters are not used to allow the combination of Rego outlet cylinders with Tema connectors or vice-versa.

## 6.5 BASKET

Baskets are of traditional wickerwork construction. The basket floors are either woven or solid plywood. The structural load is taken by stainless steel wires forming a continuous sling from the burner frame underneath the basket floor.

The baskets are strengthened by aluminium 'U'-tubes or a stainless steel frame.

The top of the basket is padded with foam, which is then trimmed with leather or suede. The bottom edge is covered with rawhide which protects the basket from damage during landings and transit. Openings are woven into the basket for cylinders straps and step holes.

The basket cables, burner support rods and fuel hoses are contained within zip-up padded covers.

Side or end wall cushions and cushion floors may be added inside the basket to increase the levels of passenger comfort.

A fire extinguisher must be fitted inside the basket.



▲ Aristocrat Basket

### 6.5.1 Concept Basket

The Concept basket is available in two sizes to match the Concept 60 - 70 and 80 - 100 envelopes. The baskets are of lightweight construction and have a flat top.

### 6.5.2 Aristocrat And Classic Baskets

The Aristocrat and Classic ranges of baskets carry between one and six occupants. The baskets are usually made with the top of the basket upswept at each end but flat top baskets can be specified.

### 6.5.3 Partitioned Baskets

Larger baskets have internal partitions woven into the walls and floor of the basket. These partitions provide greater structural integrity and separation between groups of passengers. The pilot and fuel cylinders occupy a separate compartment from the passengers.

Larger partitioned baskets use two rigging points on each corner of the load frame for increased strength. The largest partitioned baskets have provision for eight burner support rods, each with its own rigging points.

Table 5: Envelopes (continued)

<b>Envelope Type</b>	<b>Drawing Number</b>	<b>Applicable Burners</b>	<b>Applicable Baskets</b>
Z-77	CB1342	A, B	A, B, C, D, E, F, G, H, I
Z-90	CB1340	A, B	A, B, C, D, E, F, G, H, I, J
Z-105	CB1345	B	B, C, D, E, F, G, H, I, J, K
Z-120	CB1348	B	C, D, E, F, G, H, I, J, K, L
Z-133	CB1349	B	C, D, E, F, G, H, I, J, K, L
Z-140	CB1477	B, C	D, E, F, G, H, I, J, K, L, M
Z-145	CB1350	B, C	D, E, F, G, H, I, J, K, L, M
Z-150	CB1473	B, C	D, E, F, G, H, I, J, K, L, M
Z-160	CB1351	B, C	D, E, F, G, H, I, J, K, L, M, N
Z-180	CB1352	B, C, D	E, F, G, H, I, J, K, L, M, N, O
Z-210	CB1353	B, C, D	G, H, I, J, K, L, M, N, O, P, Q
Z-225	CB1466	C, D	G, H, I, J, K, L, M, N, O, P, Q
Z-250	CB1459	C, D	H, I, J, K, L, M, N, O, P, Q
Z-275	CB1467	C, D	I, J, K, L, M, N, O, P, Q
Z-315	CB1468	C, D	K, L, M, N, O, P, Q
Z-350	CB1469	D	L, M, N, O, P, Q
Z-375	CB1470	D	M, N, O, P, Q
Z-400	CB1471	D	N, O, P, Q, R
Z-425LW	CB1502	D	N, O, P, Q, R
Z-450	CB1472	D	N, O, P, Q, R
Z-600	CB1565	D	N, O, P, Q, R
Thunder 65 S1	CB1136	A, B	A, B, C, D, E, F, G, H
Thunder 77 S1	CB1080	A, B	A, B, C, D, E, F, G, H, I
Thunder 90 S1	CB1113	A, B	A, B, C, D, E, F, G, H, I, J
Thunder 105 S1	CB1107	B	B, C, D, E, F, G, H, I, J, K
Thunder 120 S1	CB1137	B	C, D, E, F, G, H, I, J, K, L
Thunder 140 S1	CB1214	B, C	D, E, F, G, H, I, J, K, L, M
Thunder 160 S1	CB1138	B, C	D, E, F, G, H, I, J, K, L, M, N
Thunder 180 S1	CB1139	B, C, D	E, F, G, H, I, J, K, L, M, N, O
Thunder 90 S2	CB1082	A, B	A, B, C, D, E, F, G, H, I, J
Thunder 105 S2	CB1089	B	B, C, D, E, F, G, H, I, J, K
Thunder 120 S2	CB1105	B	C, D, E, F, G, H, I, J, K, L
Thunder 140 S2	CB1079	B, C	D, E, F, G, H, I, J, K, L, M
Thunder 150 S2	CB1334	B, C	D, E, F, G, H, I, J, K, L, M
Thunder 160 S2	CB1140	B, C	D, E, F, G, H, I, J, K, L, M, N
Thunder 180 S2	CB1141	B, C, D	E, F, G, H, I, J, K, L, M, N, O
Thunder 210 S2	CB1142	B, C, D	G, H, I, J, K, L, M, N, O, P, Q
Thunder 225 S2	CB1200	C, D	G, H, I, J, K, L, M, N, O, P, Q
Thunder 250 S2	CB1194	C, D	H, I, J, K, L, M, N, O, P, Q

**Table 5: Envelopes (continued)**

<b>Envelope Type</b>	<b>Drawing Number</b>	<b>Applicable Burners</b>	<b>Applicable Baskets</b>
Colt 25A	CB1461	A	A, B, C
Colt 31A	CB1462	A	A, B, C, D
Colt 42A	CB1463	A	A, B, C, D, E
Colt 56A	CB1464	A, B	A, B, C, D, E, F, G
Colt 65A	CB1346	A, B	A, B, C, D, E, F, G, H
Colt 69A	CB1465	A, B	A, B, C, D, E, F, G, H
Colt 77A	CB1342	A, B	A, B, C, D, E, F, G, H, I
Colt 90A	CB1340	A, B	A, B, C, D, E, F, G, H, I, J
Colt 105A	CB1345	B	B, C, D, E, F, G, H, I, J, K
Colt 120A	CB1348	B	C, D, E, F, G, H, I, J, K, L
Colt 133A	CB1349	B	C, D, E, F, G, H, I, J, K, L
Colt 140A	CB1477	B, C	D, E, F, G, H, I, J, K, L, M
Colt 150A	CB1473	B, C	D, E, F, G, H, I, J, K, L, M
Colt 160A	CB1351	B, C	D, E, F, G, H, I, J, K, L, M
Colt 180A	CB1352	B, C, D	D, E, F, G, H, I, J, K, L, M, N
Colt 210A	CB1353	B, C, D	E, F, G, H, I, J, K, L, M, N, O
Colt 225A	CB1466	C, D	G, H, I, J, K, L, M, N, O, P, Q
Colt 240A	CB1128	C, D	G, H, I, J, K, L, M, N, O, P, Q
Colt 250A	CB1459	C, D	H, I, J, K, L, M, N, O, P, Q
Colt 260A	CB1129	C, D	I, J, K, L, M, N, O, P, Q
Colt 275A	CB1467	C, D	K, L, M, N, O, P, Q
Colt 315A	CB1468	C, D	L, M, N, O, P, Q
Colt 350A	CB1469	D	M, N, O, P, Q
Colt 375A	CB1470	D	N, O, P, Q
Colt 400A	CB1471	D	N, O, P, Q
Colt 450A	CB1472	D	O, P, Q

**Table 5A: Tether Equipment**

<b>Item</b>	<b>Part Number</b>	<b>Description</b>
1	CB-6043-1000	V-Bridle
2	CU-3000-0001	Tether Ring, Large
3	CU-9780-0001	Karabiner, 5 Tonne
4	CB-6043-3000	V-Bridle complete with Tether Rings

**Note:** Item 4 is alternative to items 1 to 3

**Table 6: Baskets**

<b>Basket Cat.</b>	<b>Drawing Number</b>	<b>Basket Description*</b>	<b>Applicable Cylinders</b>	<b>Applicable Burner Frames</b>
B	CB3037	LITE	1a, 1, 2	CB2118, CB2355, CB2356
B	CB310-1A	31-42 O	1a, 1, 2	CB855, CB871, CB925, CB2203(FI), CB2224(FI), CB2231(FI), CB2598, CB2874
C	CB300-2A	56-65 O	1a, 1, 2, 3	CB855, CB871, CB925, CB2203(FI), CB2224(FI), CB2231(FI), CB2598, CB2665, CB2860(FI), CB2863(FI), CB2874
C	CB310-2A			
C	CB3050-2			
C	CB3115-2			
C	CB3011-2A			
C	CB3023-2	56-65 OH		
C	CB3011-2B			
C	CB3051	C60/70 O	1a, 1, 2, 3	
D	CB300-3A	77-84 O	1a, 1, 2, 3	CB855, CB871, CB925, CB2203, CB2224, CB2231, CB2598, CB2665, CB2860, CB2863, CB2874
D	CB310-3A			
D	CB3050-3			
D	CB3115-3			
D	CB3011-3A	77-84 OH	1a, 1, 2, 3	
D	CB3023-3			
D	CB3011-3B			
D	CB3052	C80/90 O	1a, 1, 2, 3	
D	CB8001	65-77 O	1a, 1, 2, 3	CB855, CB871, CB925, CB8810, CB8811, CB8820, CB8821, CB8894, CB8902, CB8903, CB8905, CB8912
D	CB8012			
D	CB8006	65-77 OH	1a, 1, 2, 3	
D	CB8017			
D	CB8002	77-90 O	1a, 1, 2, 3	
D	CB8013			
D	CB8007	77-90 OH	1a, 1, 2, 3	
D	CB8018			
E	CB300-4A	90-105 O	1a, 1, 2, 3	CB855, CB871, CB925, CB2203, CB2224, CB2231, CB2598, CB2665, CB2874
E	CB310-4A			
E	CB3050-4			
E	CB3115-4			
E	CB3011-4A	90-105 OH	1a, 1, 2, 3	
E	CB3023-4			
E	CB3011-4B			
E	CB8003	90-105 O	1a, 1, 2, 3	CB8810, CB8811, CB8820, CB8821, CB8894, CB8902, CB8903, CB8905, CB8912
E	CB8014			
E	CB8008	90-105 OH	1a, 1, 2, 3	
E	CB8019			
F	CB8004	105-120 O	1a, 1, 2, 3	
F	CB8013			
F	CB8009	105-120 OH	1a, 1, 2, 3	
F	CB8020			
F	CB8200	105-120T	1a, 1, 2, 3	

\* For key see page 9-6

**Table 6: Baskets (continued)**

<b>Basket Category</b>	<b>Drawing Number</b>	<b>Basket Description*</b>	<b>Applicable Cylinders</b>	<b>Applicable Burner Frames</b>
G	CB303	120 - 133 O	1a, 1, 2, 3	CB2309, CB2312
G	CB3238	120 - 133 P	1a, 1, 2, 3	CB2470, CB2468
G	CB3233	120 - 133 T	1a, 1, 2, 3	CB2470, CB2468
H	CB991	140 T	1a, 1, 2, 3	CB2264, CB2263
H	CB3060	140 T W	1a, 1, 2, 3	CB2266, CB2265
H	CB3376	140 T	1a, 1, 2, 3	CB2264, CB2263
H	CB8266	120 - 160 T	1a, 1, 2, 3	CB8900, CB8901
I	CB3310	160 - 180 T	1a, 1, 2, 3	CB2590, CB2591
I	CB8206	180 - 210T	1a, 1, 2, 3	CB8826 CB8832, CB8840
J	CB754	180 - 210 TT	1a, 1, 2, 3	CB750, CB2420, CB2411, CB2261, CB2371
K	CB3164	210 TT Os	1a, 1, 2, 3	CB2250, CB2303
L	CB3314	210 - 250 T	1a, 1, 2, 3	CB2505, CB2592
L	CB3081	210 - 250 TT W	1a, 1, 2, 3	CB2260, CB2304
M	CB3004	250 TT	1a, 1, 2, 3	CB2250, CB2303
M	CB971	250 TT D	1a, 1, 2, 3	CB2260, CB2304
M	CB3387	250TT	1a, 1, 2, 3	CB2613, CB2614
N	CB3200	275 TT Os	1a, 1, 2, 3	CB2427, CB2447
O	CB3042	300 TT	1a, 1, 2, 3	CB2270, CB2258
O	CB3040	300 TT D	1a, 1, 2, 3	CB2271, CB2259
O	CB3049	300 TT S	1a, 1, 2, 3	CB2272, CB2269
O	CB3235	300 TT	1a, 1, 2, 3	CB2390
O	CB3223	300 TT S	1a, 1, 2, 3	CB2427, CB2447
O	CB8250	350 TT	1a, 1, 2, 3	CB8842, CB8843
O	CB3360	350 TT	1a, 1, 2, 3	CB2192, CB2418
P	CB3205	400 TT S	1a, 1, 2, 3	CB2418
Q	CB3288	400 - 410 TT S	1a, 1, 2, 3	CB2418
R	CB3370	600 TT S	1a, 1, 2, 3	CB2376

\* **Key:** H= Hi-Spec; L=Asymmetric pilot compartment; O = Open; P= single partition;  
T = T partition; TT = double T partition; Os = offset; D = designed for use in Germany;  
S = Safari (tough terrain); W = wheelchair access; Fl = Flexi-corner burner frame only.

Table 7: Fuel Cylinders

<b>Cylinder Category</b>	<b>Drawing Number</b>	<b>Cylinder Material</b>	<b>Cylinder Description</b>
1a	CB901	ALUMINIUM	MINI WORTHINGTON
2	CB2900	DUPLEX STAINLESS STEEL	45
2	CB2901	DUPLEX STAINLESS STEEL	60
3	CB2902	DUPLEX STAINLESS STEEL	54
3	CB2903	DUPLEX STAINLESS STEEL	72

Table 8: Burners

Shadow, Stealth and Stratus burners have their pilot light configuration denoted, with the following drawing numbers being appended with -1 for vapour, -2 for liquid or -3 for mixed vapour and liquid.

**Table 8: Burners (continued)**

<b>Burner Category</b>	<b>Drawing Number</b>	<b>Burner Description</b>
A	CB2245	Single Shadow, Fixed Frame
A	CB2246	Single Shadow, Adjustable Height Frame
A	CB2233	Single Shadow Mini, Fixed Frame
A	CB8710	Single Stratus, Liquid Pilot Light
A	CB8712	Single Stratus, Vapour Pilot Light
B	CB2222	Double Shadow, Fixed Frame
B	CB2215	Double Shadow, Adjustable Height Frame
B	CB2243	Double Shadow / Stealth, Fixed Frame
B	CB2244	Double Shadow / Stealth, Adjustable Height Frame
B	CB2694	Double Sirocco, Fixed Frame
B	CB2695	Double Sirocco, Adjustable Height Frame
B	CB8720	Double Stratus, Liquid Pilot Light
B	CB8721	Double Stratus, Vapour Pilot Light
C	CB2255	Triple Shadow
C	CB2424	Triple Shadow, Crossflow to Single Burner
C	CB2520	Triple Shadow, Squeeze Bar Action, with Crossflow
C	CB2301	Triple Stealth (double) / Shadow (single)
C	CB2289	Triple Shadow (double) / Stealth (single)
C	CB2446	Triple Shadow / Stealth (double) / Shadow (single)
C	CB2459	Triple Stealth (double) / Shadow (single), Squeeze bar Action
C	CB2467	Triple Shadow (double) / Stealth (single), Squeeze bar Action
C	CB2469	Triple Shadow / Stealth (double) / Shadow (single), Squeeze bar Action
C	CB2941	Triple Shadow (double) / Stealth (single), Squeeze bar Action
C	CB2696	Triple Sirocco
C	CB8730	Triple Stratus, Liquid Pilot Light.
C	CB8731	Triple Stratus, Liquid Pilot Light, 'T' Baskets
C	CB8732	Triple Stratus, Liquid Pilot Light, 'TT' Baskets
C	CB8733	Triple Stratus, Vapour Pilot Light
C	CB8734	Triple Stratus, Vapour Pilot Light, 'T' Baskets
C	CB8735	Triple Stratus, Vapour Pilot Light, 'TT' Baskets
D	CB2256	Quad Shadow
D	CB2351	Quad Shadow, Dual Squeeze Bar
D	CB2305	Quad Shadow (double) / Stealth (double)
D	CB2342	Quad Shadow (double) / Stealth (double), Dual Squeeze Bar
D	CB2395	Quad Shadow / Stealth (double) / Shadow / Stealth (double)
D	CB2697	Quad Sirocco
D	CB8740	Quad Stratus, Liquid Pilot Light
D	CB8741	Quad Stratus, Liquid Pilot Light, Crossflow
D	CB8742	Quad Stratus, Vapour Pilot Light
D	CB8743	Quad Stratus, Vapour Pilot Light, Crossflow



**Table 9: Fuel Cylinder Weights And Volumes**

Cylinder Material	Cylinder Type	Volume (Litres)		Configuration	(Including Cover & Straps)			
		Total	Usable		Empty Weight		Full Weight	
					kg	lb	kg	lb
Duplex Stainless Steel	CB2900 '45'	56	45	Master	21	46	44	97
				Standard	20	44	43	95
	CB2901 '60'	75	60	Master	23	51	53	117
				Standard	22	49	52	115
	CB2902 'T60'	68	54	Master	24	53	51	112
				Standard	23	51	50	110
	CB2903 '72'	90	72	Master	27	60	63	139
				Standard	26	57	62	137

**Table 10: Burner Weights**

Burner (Including Karabiners)		kg	lb
<sup>1</sup> Single	(Shadow / Stratus)	17	37
<sup>1</sup> Double	(Shadow / Stealth / Sirocco / Stratus)	24	53
<sup>2</sup> Triple	(Shadow / Stealth / Sirocco / Stratus)	44	97
<sup>2</sup> Quad	(Shadow / Stealth / Sirocco / Stratus)	52	115

<sup>1</sup> In adjustable height frame add 3kg / 7lb

<sup>2</sup> If metal heat shields are fitted add 7kg / 15lb

**Note:** The component weights given in Tables 9 and 10 are approximate and for guidance purposes only. For pre-flight weight calculations, the actual component weights given in Table 4 and the aircraft log book should be used.

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