

Issue 4 of supplement 8.51 is approved
under the authority of DOA ref. UK.21J.0140 (Mod C828)

8.51 STRATUS NEO BURNER

8.51.1 GENERAL INFORMATION

This supplement shall be inserted in the Flight Manual, in Section 8: 'Supplements' with the revisions record sheet amended accordingly.

Information contained herein supplements, or in the case of conflict, supersedes that contained in the basic Flight Manual. For Limitations, Procedures, and Performance Data not contained in this supplement, consult the basic Hot Air Balloon Flight Manual.

Issue 4 of this supplement consists of 4 pages.

Supplement 7.57 to Maintenance Manual Issue 10 is required to ensure continued airworthiness.

8.51.2 LIMITATIONS

No change.

8.51.3 EMERGENCY PROCEDURES

No change

8.51.4 NORMAL PROCEDURES

No change.

8.51.5 WEIGHT CALCULATIONS

No change.

NOTE: If the actual burner weight is not known, the standard weight in Table 10 of the Flight Manual may be used.

8.51.6 BALLOON AND SYSTEMS DESCRIPTION

8.51.6.3.20 Stratus Neo Burner

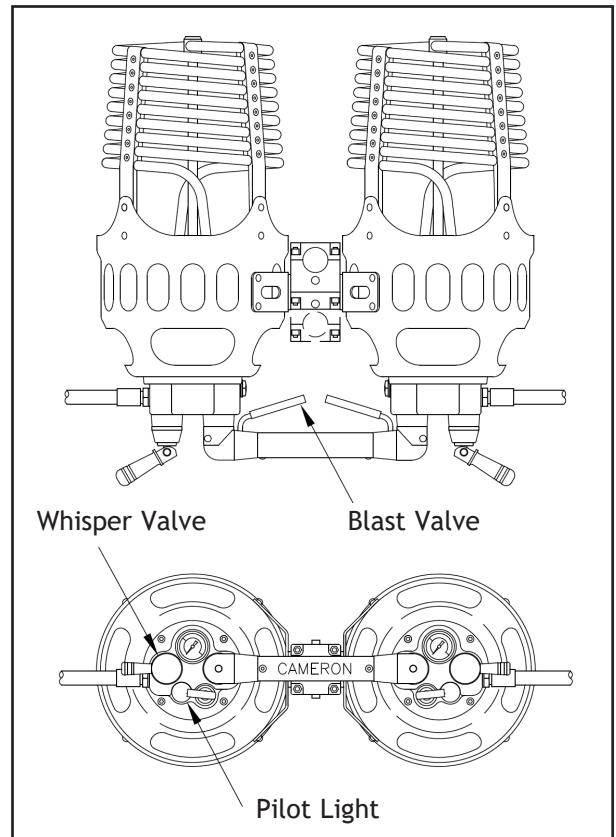
The Stratus Neo burner is available as a Single, Double, Triple or Quad burner.

The main burner(s) are fitted with squeeze action blast valves, coloured red, which are operated by squeezing the control lever towards the hand grip. The blast valve handles are arranged so that pairs of burners may be operated simultaneously with one hand. The Triple and Quad burner are fitted with crossflow systems allowing the output of one blast valve to be routed to two coils. The crossflow function is controlled by a red handled quarter-turn ball valve mounted within the crossflow pipework.

The pilot valves are operated by rotary action handles, coloured yellow.

The whisper valves are operated by toggle action handles or optionally by rotary action handles. These controls are blue in colour.

The Stratus Neo burner is fitted with a liquid pilot light. It is fitted with a filter which will require periodic cleaning.



▲ Double Status Neo Arrangement

8.51.7 BALLOON MAINTENANCE, HANDLING AND CARE

No change.

8.51.9 EQUIPMENT LIST

Table 8: Burners (additional)

Burner Category	Drawing Number	Burner Description
A	CB4111	Stratus Neo Burner Assembly, Single
B	CB4112	Stratus Neo Burner Assembly, Double
C	CB4113	Stratus Neo Burner Assembly, Triple
D	CB4114	Stratus Neo Burner Assembly, Quadruple

Table 9: Equivalent Burners.

Due to similarity of limitations, interface and dimensions the Stratus Neo burner is an approved replacement for the Stratus burner in any installation where a Stratus burner is approved.

Burner Category	Stratus Neo Drawing No.	Replaces Stratus Drawing No.	Burner Description
B	CB4112	CB8720, CB8721	Stratus / Stratus Neo burner Assembly, Double.
C	CB4113	CB8730, CB8731, CB8732, CB8733, CB8734, CB8735.	Stratus / Stratus Neo burner Assembly, Triple.
D	CB4114	CB8740, CB8741, CB8742, CB8743.	Stratus / Stratus Neo burner Assembly, Quadruple.

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