

# Service Instruction



## 1. General

(a) No.:	40
(b) Issue / Date	Issue B / 13/05/2025
(c) Title:	Stratus Neo Butane Fuel Configuration
(d) Description:	Instruction for the installation of components to configure a Stratus Neo burner to operate efficiently on high butane rich fuel.
(e) Applicability:	CB4112, CB4113 & CB4114
(f) Effectivity:	All operating with high Butane content LPG fuel

**Note:** Applicability = All types and variants to which the change can be applied.  
Effectivity = Actual CN or group of CN's to which the bulletin has been/will be applied.

## 2. Accomplishment Instructions

The following instructions are for a single burner unit/can. Carry out the same operations for all burner units of the burner assembly.

### A. Changing the Manifold Coil Fitting

1. Unscrew and retain the x8 fasteners fixing the coil to the burner can.
2. Pull the coil directly upwards to release it from the Manifold Coil Fitting. Take care not to strike any burner components with the coil jet ring when removing.
3. Unscrew the existing Manifold Coil Fitting using a 22mm socket, see figure 1. (The Burner Can have been removed for clarity).
4. Remove and inspect the existing Bonded Seal from the Manifold Coil Fitting. If it is found to be in good condition, fit to Item 1. Replace the Bonded Seal if damaged (Part number CH3800-0003).
5. Apply KSP grease to the thread of Item 1.
6. Install into the Manifold Block by hand and tighten with a 22mm socket.

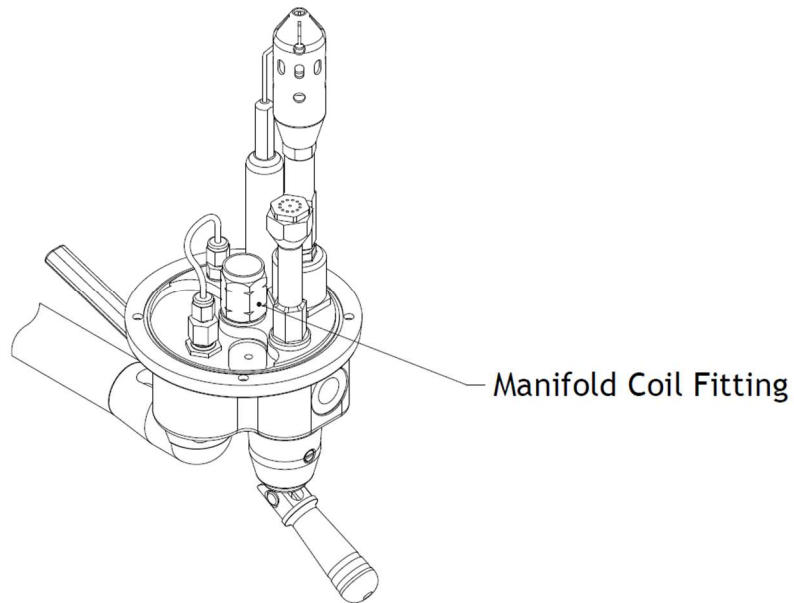


Fig. 1: Manifold Assembly

**CAUTION:** Care must be taken not to cross-thread the fitting with the manifold block. If the fitting becomes tight before screwing all the way in, do not force it. Disassemble and ensure the threads are clean before retrying.

7. Replace the coil, ensuring that the orientation does not cause the whisper outlet to be obscured by the tubes in the top of the coil. Ensure the 3 O-rings at the base have a sufficient application of KSP grease prior to coil installation.
8. Fit and tighten x8 fasteners, securing the coil to the burner can.

#### B. Changing the Jets

The following can be carried out with the coil installed or removed from the burner, whichever is easier.

1. Remove the existing Jets using a 14mm socket.
2. Fit the Copper Washers (Item 3) to the New Jets (Item 2).
3. Install the assembled jets to the coil using a 5/16" Socket. Tighten to 17Nm.

**CAUTION:** The hex feature of Item 2 is shallow. Care must be taken when tightening to prevent the socket from slipping.

### 3. Materials

The following components are for a single burner unit i.e. if work is being carried out on a Triple burner, the components below will need to be multiplied by 3.

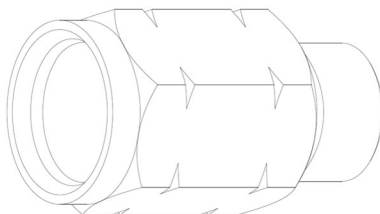


Fig. 2: Manifold Coil Fitting - Butane (item 1)

Item No.	Part Number	Description	Qty
1	CB4231	Manifold Coil Fitting - Butane	1
2	CB214-0003	Amal Jet	8
3	CB214-0006	Copper Washer	8

### 4. Other Publications Affected

None

### 5. Remarks

None

Compiled by:

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Notes:

Date: 21/05/2025

Name: T D Cameron

### 6. Design Organisation Approval

#### Approval Statement

The technical content of this document is approved under the authority of DOA nr UK.21J.0140

*[Signature]*  
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Date: 22/05/2025

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