
PRESTIGE MCBA Control Module Replacement Kit



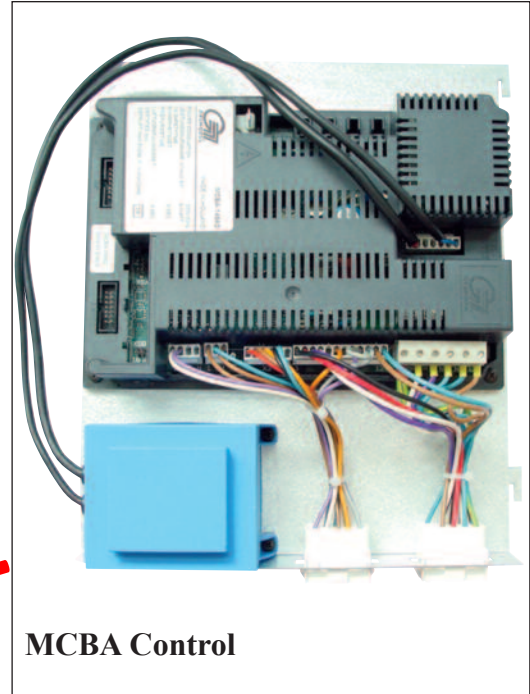
Kit Part Number: PSRKIT74 (All Prestige Solo Models and Excellence)

Parts List

1. MCBA Rev. 5 Control Module (w/green dot)
2. 4 -Self-tapping Screws

Recommended tools:

- Phillips Screw Driver.



OBSOLETE

WARNING

Indicates a potentially hazardous situation which, if ignored, can result in serious injury or substantial property damage.

NOTICE

Indicates special instructions on installation, operation or maintenance, which are important to equipment but not related to personal injury hazards.

WARNING

For your safety, turn off electrical power supply at service panel before proceeding to avoid possible electrical shock hazard. Failure to do so can cause severe personal injury or death.

WARNING

Failure to follow instructions below can result in severe personal injury or damage if ignored.

- Instructions are for a qualified installer/service technician.
- Read all instructions before proceeding.
- Follow instructions in proper order.

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Instructions

1. Turn power to the unit “OFF”.
2. Remove the front jacket panel.

NOTICE

Before proceeding to the following steps mark and label all connections and the location of the connections prior to disconnecting any wire connections.

3. Disconnect the ignition cable from the MCBA Control Module.
4. Disconnect the display panel cable from the MCBA Control Module.
5. Disconnect all Molex connectors of the main wire harness from the MCBA Control Module.
6. Disconnect the Transformer cable connector from the MCBA Control Module.
7. Remove the MCBA Control Module mounting screws. Do not discard the MCBA Control Module.

NOTICE

Contact Triangle Tube Customer Service for an RGA number to return the damaged MCBA Control Module.

8. Mount the new MCBA Control Module onto the control panel using the screws included with the kit. Ensure all screws are tight and the module is securely mounted.
9. Reconnect the main wire harness Molex connectors in the proper connection positions. The connectors are designed to fit only in the appropriate mating connector.

NOTICE

Note that connector X4 may have 4 pins but the wire harness connector only has 3 pins. The connector should be placed over pins 1 through 3.

10. Reconnect the Transformer cable to the MCBA Control Module.
11. Reconnect the display panel cable connector to the MCBA Control Module.
12. Reconnect the ignition cable to the MCBA Control Module.
13. Remount the front jacket panel to the boiler.
14. Turn power to the unit “ON” and return the boiler to service.
15. Using the display panel, reset Parameter 4 to system temperature requirements. Reference the Prestige installation manual and/or the Prestige Control Supplement for steps on setting system parameters.

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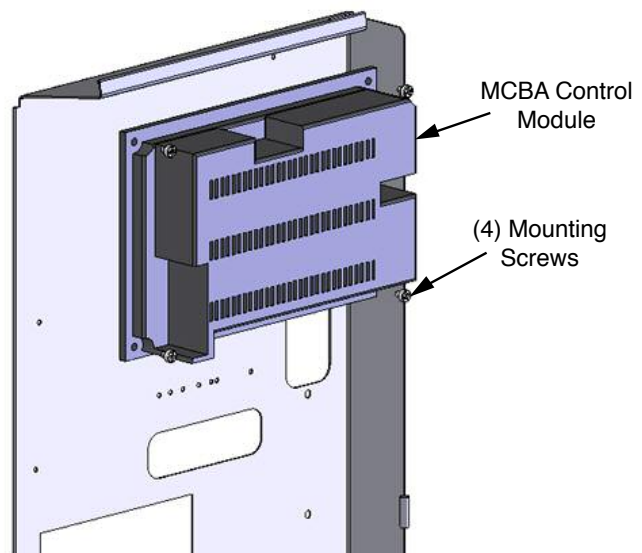


Fig. 1: MCBA Mounting

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ENTERING MCBA ACCESS CODE

The installer must enter the MCBA Access Code to adjust the advanced parameter settings of the MCBA to distinguish between a Solo versus Excellence boiler. The Access Code can be entered as follows:

1. Press the MODE button until the display shows **STBY**.
2. Press and hold the MODE and STEP buttons together for 2 to 3 seconds until the display shows **CODE**.
3. Press the STEP button once and the display will show **█_XX** where **XX** represents a random number.
4. Press the “+” or “-“ buttons to change the number displayed to read **█_54**. Press and hold the “+” or “-“ button to rapidly change the number.
5. When the display reads **█_54**, press the STORE button to save the Access Code. The display should flash to indicate that the Access Code was saved.

After the Access Code has been entered, the advanced parameters can be accessed by pressing the MODE button until the display shows **PARAM**. Once the display shows **PARAM**, press the STEP button to reach the appropriate parameter. The display should follow the following sequence:

Press STEP once- **1140**
Press STEP x2 - **2_01**
Press STEP x3 - **3_01**
Press STEP x4 - **4186**
Press STEP x5 - **P_10**
Press STEP x6 - **P_11** Etc.....

After Parameter 4, the display will show P followed by the parameter number. Once a particular parameter is reached, the display will change to show the current setting of that parameter.

NOTICE

The actual parameter values displayed on the display may vary depending on the application, but the sequence will always occur in the order shown.

Changing a Parameter Setting

1. Use the “+” or “-“ button to change the parameter setting.
2. Press the STORE button to save the change. The display should flash to indicate that the change was saved.
3. When changing out the MCBA for a Prestige SOLO versus Prestige Excellence Boiler, please make sure all settings all resumed as were used on the old MCBA control module. Refer to the Prestige Installation Manual and/or Prestige Control Supplement for steps on setting system parameters.

Parameter 46 (P46) must be set according to the schedule below:

- Prestige SOLO Boiler and SMART Tank aquastat: Set P46 = 13
- Prestige SOLO Boiler and SMART Tank with tank sensor: Set P46 = 12
- Prestige Excellence Boiler: Set P46 = 02

4. Press the RESET button to leave the Access Code mode.

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 **WARNING**

If a parameter setting is changed but the STORE button is not pressed to save the setting, the MCBA will automatically store the setting after 15 minutes. Ensure all parameters are at their factory settings or appropriately revised for the application prior to commissioning the boiler. Failure to comply could result in erratic or unreliable operation of the Prestige boiler.

NOTICE

Once a parameter setting has been revised and stored, pressing the STEP button will display the setting of the next parameter without showing P_XX. To avoid confusion, it is advisable to continue pressing the STEP button until Parameter 46 is reached. The next press of the STEP button will cause the display to roll over to Parameter 1. Continue pressing the STEP button until the next parameter to be adjusted is reached and revise the setting.

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