
CHALLENGER Control Display Module Replacement Kit



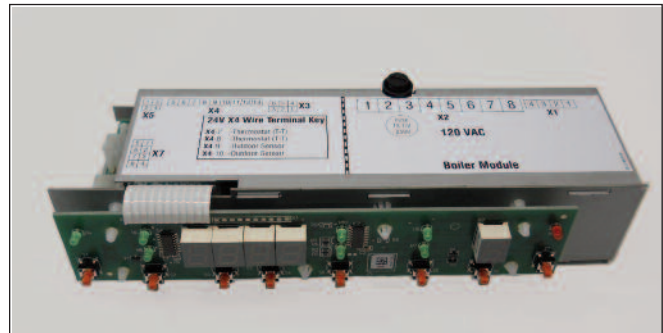
Kit Part Number: CCCON01 (CC85, CC105,
CC125, CC85s -CC125s)
CCCON02 (CC150)

Parts List

- Challenger Control Display Module

Recommended tools:

- Phillips Screw Driver.



Challenger Control

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.

NOTICE

Note current control parameter settings prior to any control replacement.

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.

CHALLENGER Control Display Module Replacement Kit

Module replacement Instructions

1. Turn the power to the unit OFF by disconnecting the main power source.

! WARNING

ELECTRICAL SHOCK HAZARD. The ON/OFF switch of the boiler does not disconnect electrical power to the module. Disconnect electrical power to the boiler using the main service switch.

2. Remove the front jacket panel by loosening the retaining screws on each side of the display.

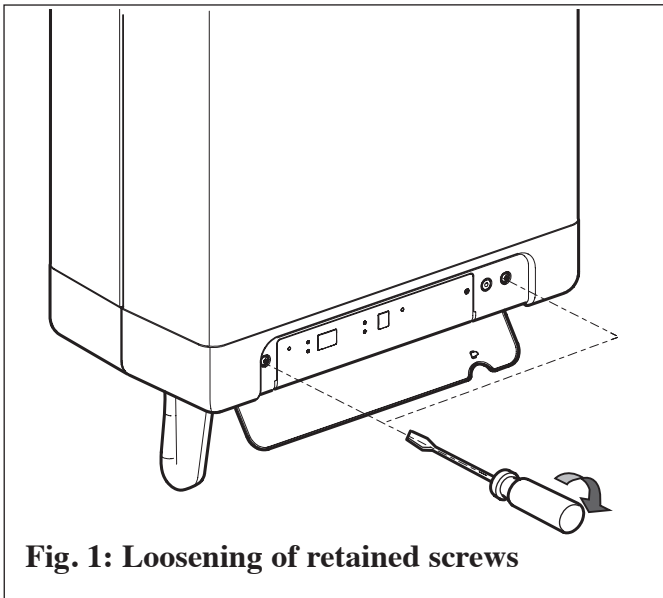


Fig. 1: Loosening of retained screws

3. Dismount the front jacket panel by pulling the bottom of the front panel out and the entire front jacket panel down.
4. Pull the Control Display Module tray out from the bottom jacket panel and swing the tray downward. The guide pins on the tray should disengage the bottom panel (Fig.2).

NOTICE

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

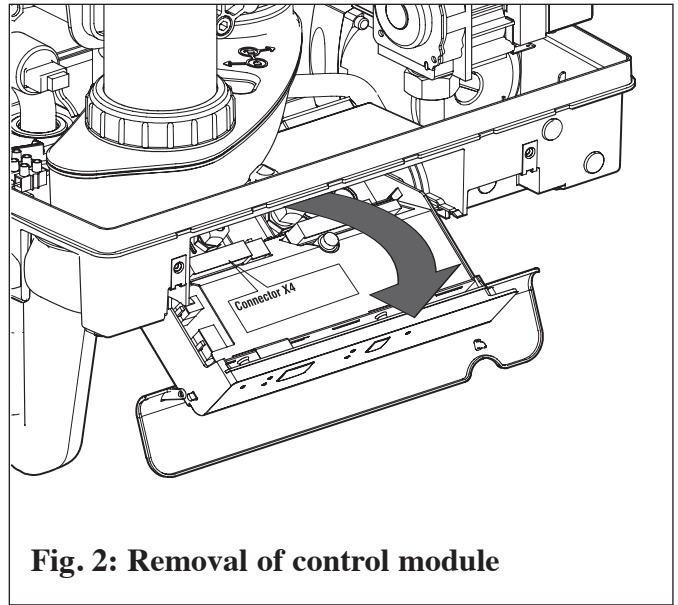


Fig. 2: Removal of control module

5. Disconnect all molex plugs from the module. The two white molex plugs and one grey molex plug have locking levers that need to be disengaged prior to disconnection.
6. Disconnect the (4) ground wires from the module. Use care not to damage the wire terminals.
7. To remove the module from the tray, disengage the rear retaining tabs of the module from the tray sides by carefully pulling the tray sides slightly outward.
8. Once the retaining tabs are disengaged slide the module back and upward away from the face plate of the tray.

NOTICE

Do not discard the module if a warranty claim is being submitted. Contact Triangle Tube Customer Service for information regarding the warranty period of the module and if a RGA number is needed to return the damaged module. If the control was shipped with a RETURN SHIPPING LABEL, send module directly back to Triangle Tube.

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- Mount the new module into the tray by sliding the front of the module with display against the tray's faceplate. Align the module orange buttons to seat within the cutouts of the tray.
- Snap the back of the module into place by slightly pulling the sides of the tray outward using care not to damage the tray. The retaining tabs of the module should lock into the tray.

NOTICE

To ensure proper installation of the module into the tray, press several of the buttons on the display panel. Each button should have a clear "click" sound and feel. If not, reinstall the module into the tray ensuring the module retaining tabs are locked into the tray.

- Reconnect all moxex plugs to the module. The two white moxex plugs and one grey moxex plug have locking levers that need to be engaged to ensure proper connection.
- Reconnect the (4) ground wires from the module.
- Reengage the guide pins of the module tray into the bottom jacket panel. Rotate the tray up into position.

NOTICE

Ensure control wiring does not hinder the insertion of the tray into the bottom jacket panel.

- Mount the front jacket panel by engaging the top of the panel into the top jacket panel (Fig. 3).

- Swing the bottom of the front jacket against the side panel and secure in place by tightening the retaining screws (Fig. 1).

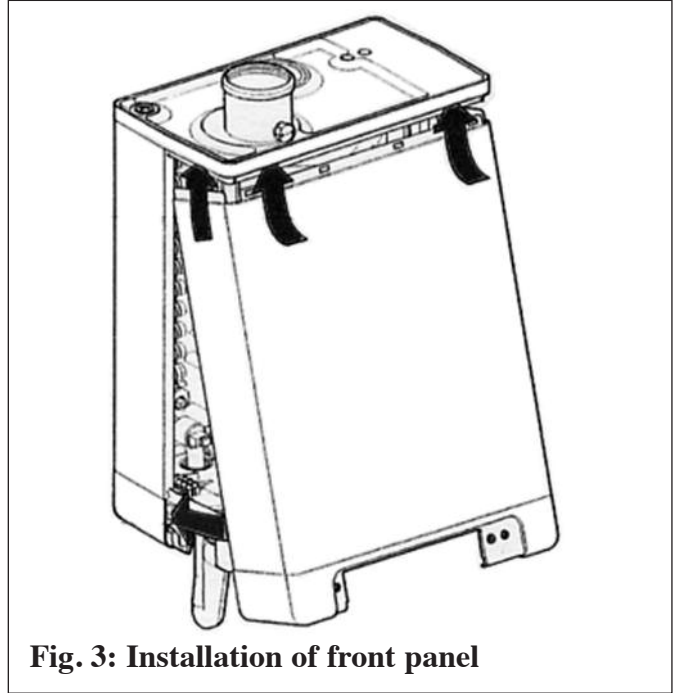


Fig. 3: Installation of front panel

- Turn power to the boiler ON and return the boiler to service.
- Reference the manual section Setting Appliance Parameters for steps needed to revise the controls parameter settings.