

690+ Series

FITTING THE SYSTEM BOARD (FRAMES C – K ONLY)



Caution

Remove all power from the drive before commencing.

External Power Supply

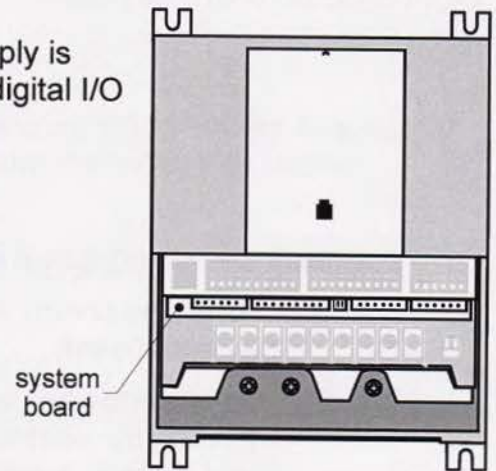
An external 0V and 24V dc ($\pm 10\%$) 1A power supply is required for the board to operate and supply the digital I/O and encoder power supply at maximum loading.

System Board Kit

LA503493 System Board kit is made up with the following:

Item	Part No.	Qty
System Board	AH463889U001	1
Spacer - Nylon	BG467482U001	1
Spacer - Brass	BG467483U001	1
Spacer - Nylon	BG467484U001	2
Spacer - Nylon	BG465155U002	2
Screw	FB084K25	2
Terminal Blocks	GE388048U001	3
	CE388047U001	1

Front View (with items removed)



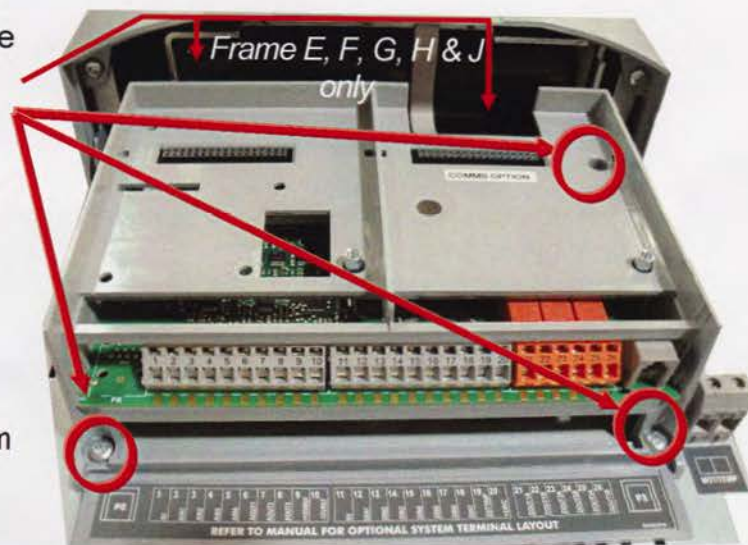
Frame B illustrated

1. First remove the cover from the 690+ to expose the housing for removal.

2. Unscrew the 3 screws holding the control housing.

(Frame E, F, G, H and J have 2 extra screws).

3. Lift up the housing so you can detach the two ribbon cables from the rear, and then remove the housing.

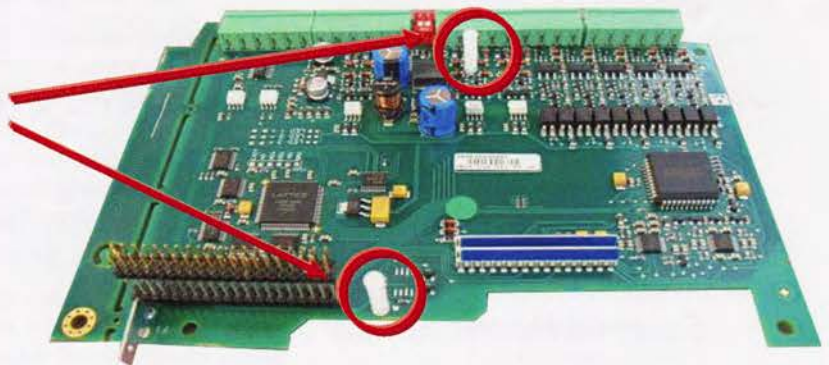


Frame D illustrated

4. Now prepare the system board:



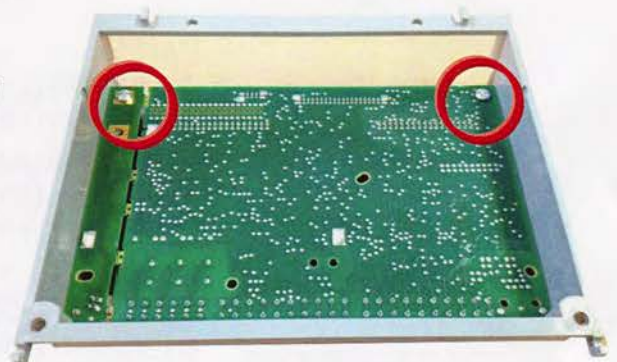
4.1 Fit the 2 x nylon spacers into the PCB, (BG467484U001).



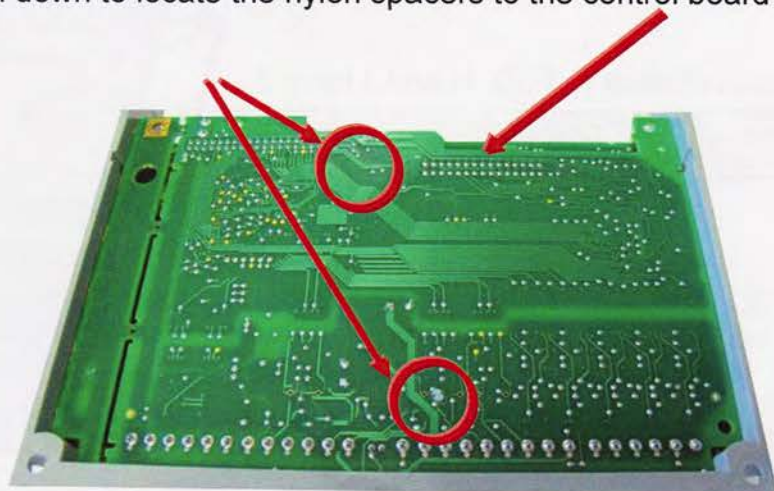
5. Install the system board into the housing by:

5.1 Invert the control housing and system board.

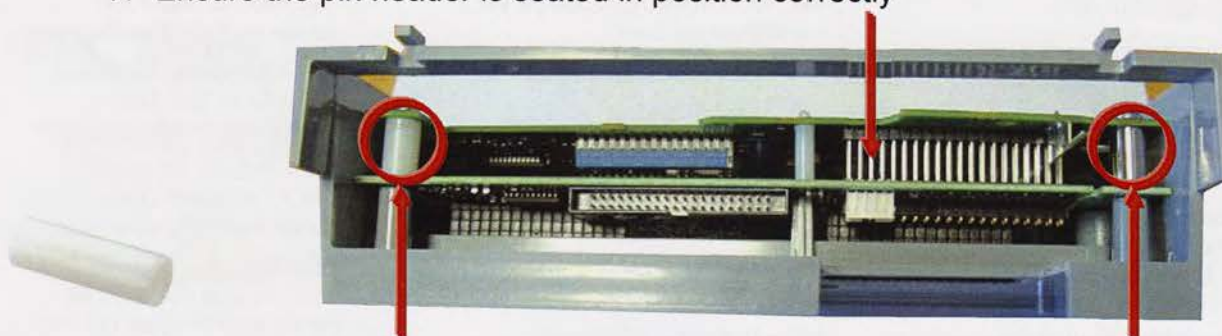
5.2 Remove the two screws holding the control board and discard, leaving the control board in place.



6. Insert the system board under the lip of the housing, align the multi pin connector and push down to locate the nylon spacers to the control board surface.



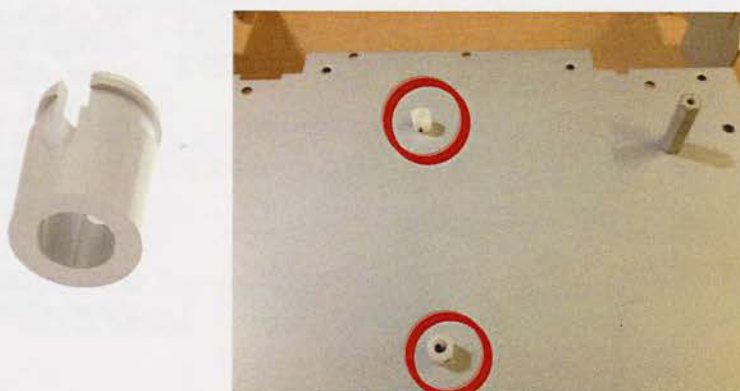
7. Ensure the pin header is seated in position correctly



Spacer BG467482U001 – Nylon

BG467483U001 – Plated Brass

8. You can now slide the spacers in-between the control and system boards, as shown above, making sure they are in their correct locations as shown.
9. Fit and hand tighten the screws FB084K25 in two positions through the spacers.
10. Rotate the control housing back to its original position.
11. Replace the two nylon spacers already on the product by the shorter versions supplied, BG465155U002



12. Reconnect rear ribbon cables then;
- (a) Frames C to D hook the housing into the main product assembly.
 - (b) Frames E to J place into the main product aligning the fixing holes.
13. Replace the three, or five, screws to hold down the control housing, as appropriate.

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