

Installation Instructions

RFI Auxiliary Card 30-75 kW

VLT® AutomationDrive FC 360

The instructions provide information about the replacement of the RFI auxiliary card in the VLT® AutomationDrive FC 360.

Only Danfoss-authorized, qualified personnel is allowed to repair this equipment. The personnel must be familiar with the instructions and safety measures described in the *VLT® AutomationDrive FC 360 Service Manual*.

1.1.1 Items Supplied

Items supplied depend on ordered code number and enclosure type of the frequency converter.

Code number	Items supplied
132B0292	<ul style="list-style-type: none"> RFI Auxiliary Card, enclosure type J6
132B0308	<ul style="list-style-type: none"> RFI Auxiliary Card, enclosure type J7

1.1.2 Tools Required

- Screwdrivers:
 - Flat-edged
 - T10
 - T20
 - T25
 - T30
- N8 socket wrench
- N10 socket wrench
- N5 Allen key

1.1.3 Safety Instructions

⚠ WARNING

DISCHARGE TIME

The frequency converter contains DC-link capacitors, which can remain charged even when the frequency converter is not powered. Failure to wait the specified time after power has been removed before performing service or repair work, could result in death or serious injury.

- Stop the motor.
- Disconnect AC mains, permanent magnet type motors, and remote DC-link power supplies, including battery back-ups, UPS, and DC-link connections to other frequency converters.
- Wait for the capacitors to discharge fully, before performing any service or repair work. The duration of waiting time is specified in *Table 1.1*.

Voltage [V]	Minimum waiting time (minutes)	
	4	15
380-480	0.37-7.5 kW	11-75 kW
High voltage may be present even when the warning LEDs are off!		

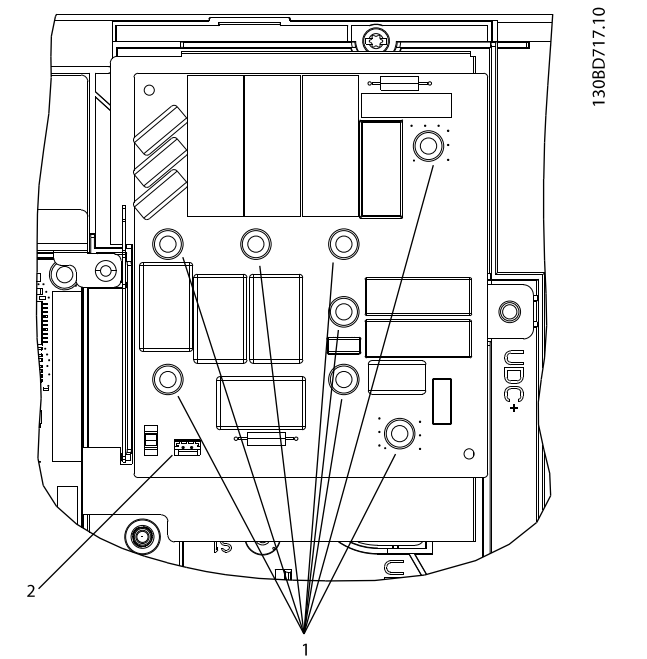
Table 1.1 Discharge Time

1.1.4 Installation

The RFI auxiliary card is located beneath the power control card (enclosure type J7) or beneath the control card cassette (enclosure type J6).

Replacing the RFI auxiliary card for enclosure type J6

- 1. Follow the instructions in *VLT® AutomationDrive FC 360Service Manual* to remove the control card cassette.
- 2. Remove the 8 M4x8 screws (T20, torque: 1.5 Nm) on the RFI auxiliary card and remove the card.



1	Screws (T20, M4x8)
2	Connector MK101

Illustration 1.1 RFI Auxiliary Card, Enclosure Type J6

Replacing the RFI auxiliary card for enclosure type J7

- 1. Follow the instructions in the *VLT® AutomationDrive FC 360 Service Manual* to remove the power control card.
- 2. Follow the instructions in *VLT® AutomationDrive FC 360 Service Manual* (see the chapter on power card replacement) to remove the power control card mounting plate.
- 3. Remove the 8 screws (T20, M4x8, torque: initial 0.5 Nm; final 1.5 Nm) on the RFI auxiliary card, and remove the RFI auxiliary card.
- 4. Install the new RFI auxiliary card in reverse order.

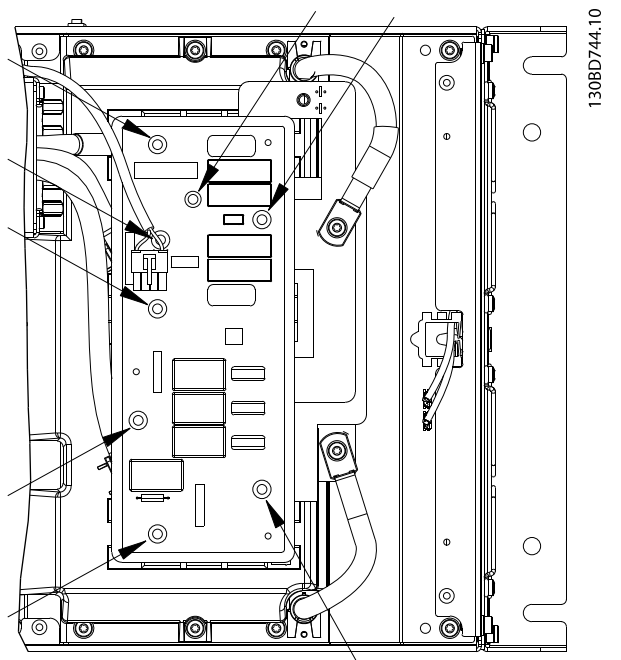


Illustration 1.2 Positions of M4 Screws on RFI Auxiliary Card, Enclosure Type J7

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