

Installation Instructions

Fan Extension Cable

VLT® AutomationDrive FC 360

The instructions provide information about the replacement of the fan extension cable for J6 and J7 enclosure types of 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
132B0301	<ul style="list-style-type: none"> Fan extension cable, J6
132B0320	<ul style="list-style-type: none"> Fan extension cable, 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

Replacing Fan Extension Cable for J6

- 1. Follow the instructions in *VLT® AutomationDrive FC 360 Service Manual* to remove control card cassette.
- 2. Disconnect the defective fan extension cable, and connect a new cable. *Illustration 1.1* shows the fan extension cable connection point on the power control card.

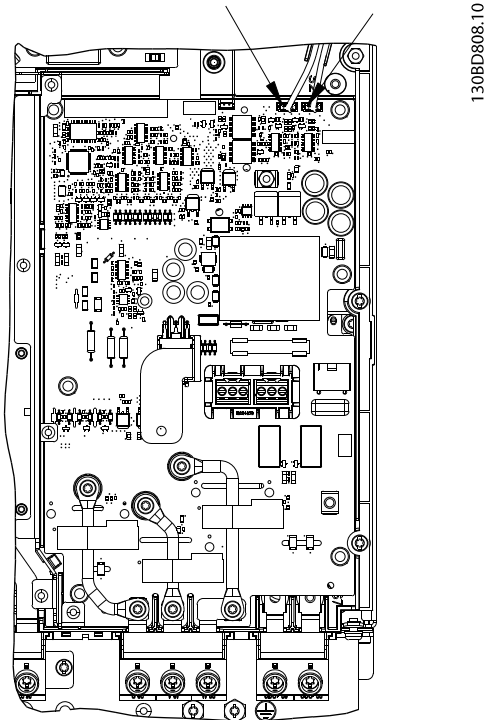
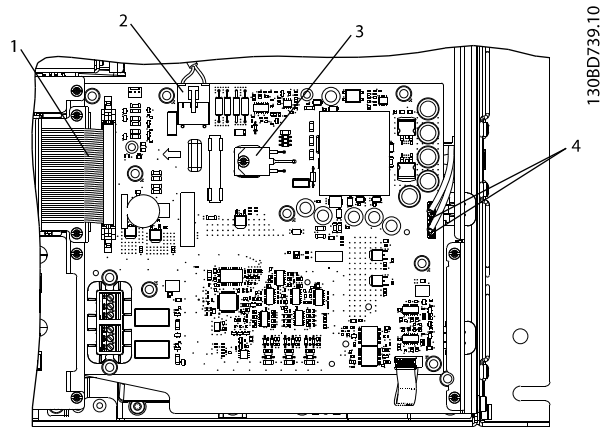


Illustration 1.1 Connection Point of Fan Extension Cable on Power Card

Replacing Fan Extension Cable for J7

- 1. Follow the instructions in *VLT® AutomationDrive FC 360 Service Manual* to remove the front cover.
- 2. Disconnect the defective fan extension cable, and connect a new cable. *Illustration 1.2* shows the connection point of fan extension cables on the power control card.



1	44-pole cable
2	UDC bus cable
3	Screw (T10, M3x10), from MosFet transistor heat sink
4	Fan extension cable connection point

Illustration 1.2 Power Control Card, Enclosure Type

- 3. Reinstall other unmounted components in reverse order.

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