

Installation Instructions

Front Cover

VLT® AutomationDrive FC 360

The instructions provide information about the replacement of the VLT® AutomationDrive FC 360 front cover.

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
132B0296	Front cover, enclosure type J6
132B0314	Front cover, 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.

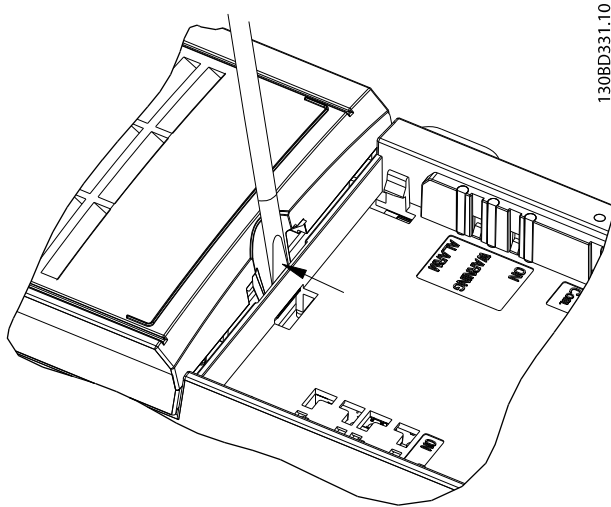
1. Stop the motor.
2. Disconnect AC mains, permanent magnet type motors, and remote DC-link power supplies, including battery back-ups, UPS, and DC-link connections to other frequency converters.
3. Wait for the capacitors to discharge fully, before performing any service or repair work. The duration 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

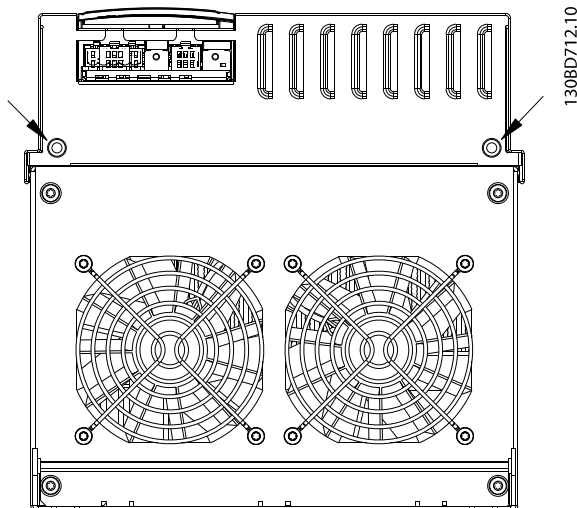
1. Remove the LCP (Local Control Panel) with a flat-edged screwdriver (accessed from the top).
2. Push down the lock lever with a flat-edged screwdriver and lift the plastic cover. Remove the plastic cover beneath the LCP.



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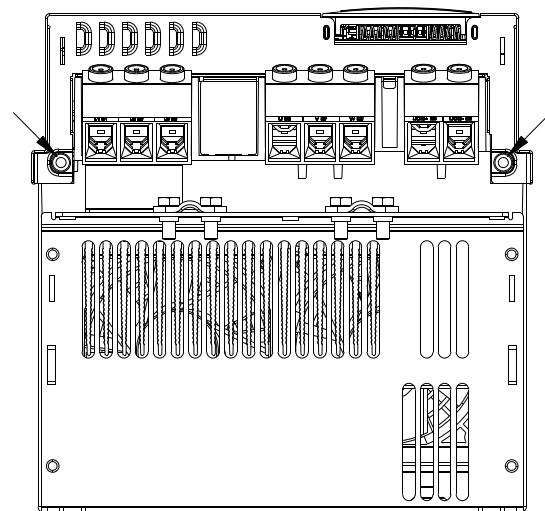
Illustration 1.1 Remove Plastic Cover

3. Remove 4 screws (T20, M4x8) that fasten the front cover to the base plate.



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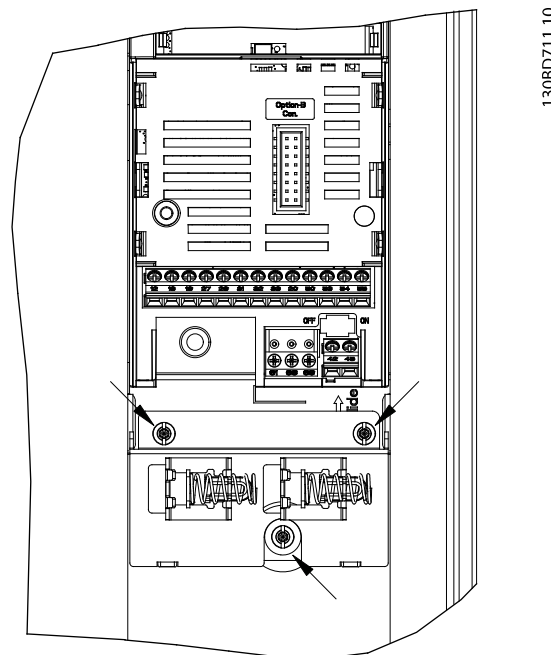
Illustration 1.2 Location of Screws on Top Plate, Example (Enclosure Type J6)



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Illustration 1.3 Location of Screws on Bottom Plate, Example (Enclosure Type J6)

4. Remove the 2 (for enclosure type J7) or 3 (for enclosure type J6) screws on the I/O decoupling plate.



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Illustration 1.4 Screws on the I/O Decoupling Plate for Enclosure Type J6

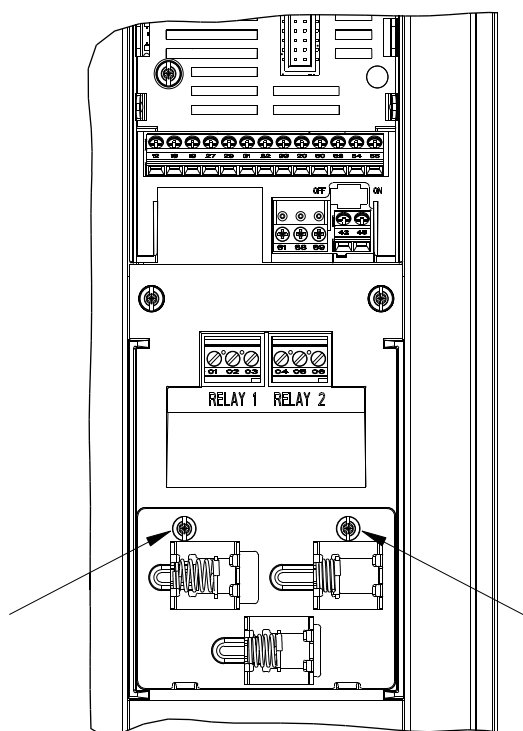


Illustration 1.5 Screws on the I/O Decoupling Plate for Enclosure Type J7

5. Remove the front cover, and install a new front cover in reverse order.

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