VINGTOR 🔗 STENTOFON

Replacing Power Supply Unit on ESC1

Item Number	Item Name	Description
102 3910 000	EPMS100	Exigo ESC1 System Controller Spare Power Supply

1 Accessing the AC-DC Power Supply Unit

The EPMS100 Spare Power Supply comprises an AC-DC unit and a DC-DC unit located inside the ESC1 System Controller.

Before you start the procedure:

1. Switch off and disconnect the system controller from the power mains

2. Open the front cover by unscrewing the two socket screws (hex key 2.5 mm) about 15 mm out
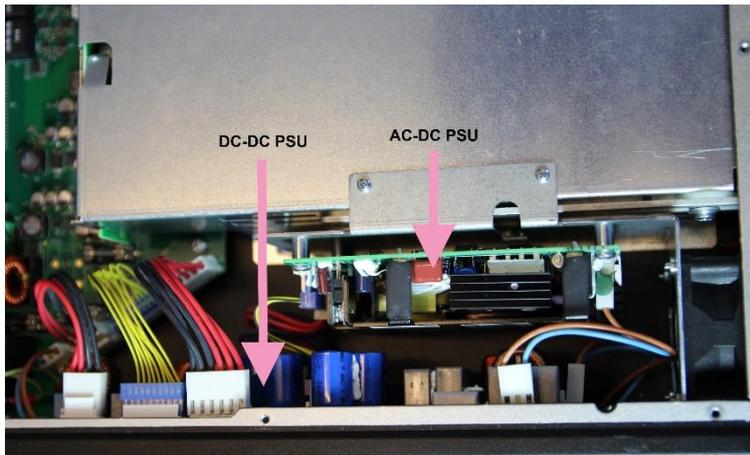

3. Using extractors to hold the screws, pull the front cover out and tilt it down forcefully to access the inside of the unit.

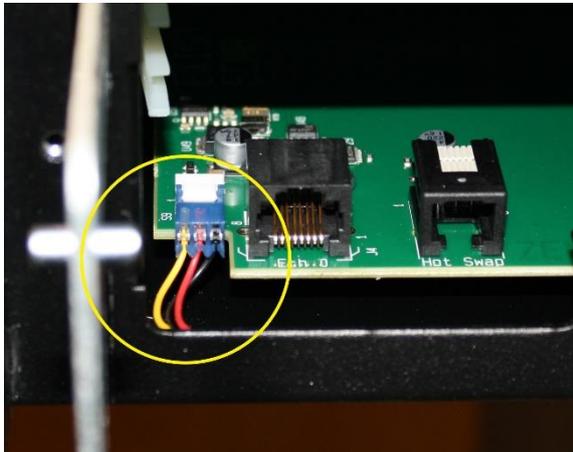4. Remove the top cover by unscrewing the 8 Torx screws using a T10 bit.

When the top cover is removed, you will see that there are two power supply units next to each other in the left cavity of the cabinet: AC-DC PSU and DC-DC PSU.

## 2 Demounting the AC-DC Power Supply Unit

1. Disconnect the 3-pin fan plug at the lower-left corner of the controller board.


2. Push the plug into the cavity on the left side.

The AC-DC PSU is located on the left of the unit, attached to the chassis by 2 screws at the bottom and 2 screws at the top.

3. Unscrew the 2 M4 screws at the bottom flange using a magnetic PZ2 bit
   o One screw is located at the inner edge while the other screw is accessible through the opening in the top flange.
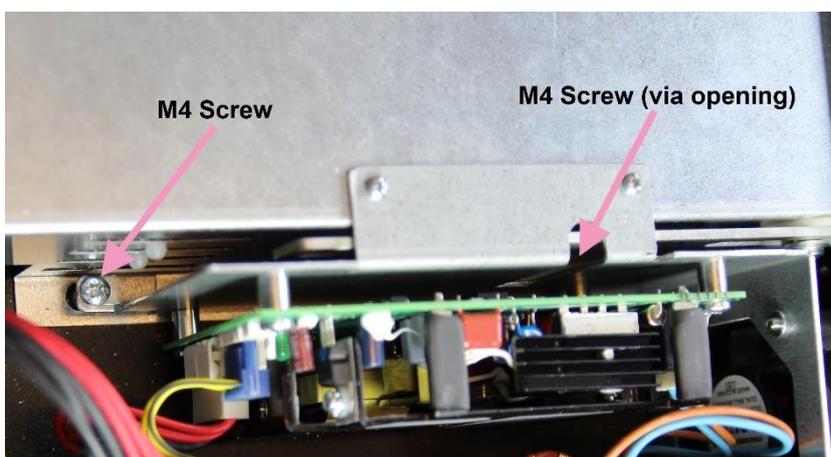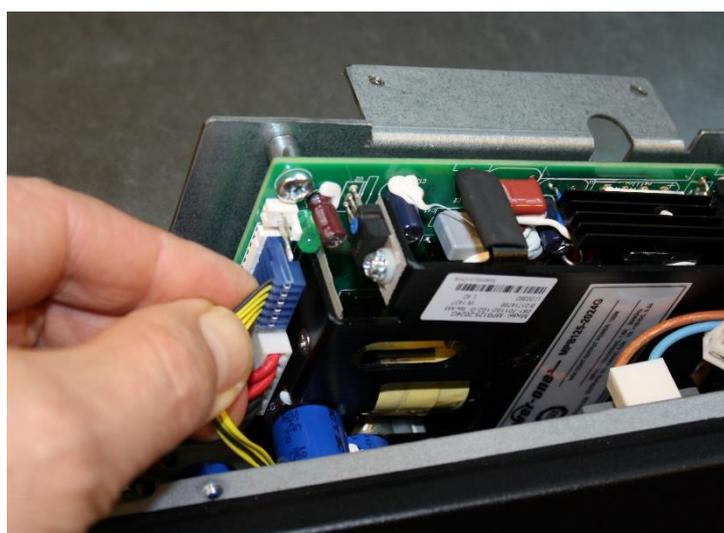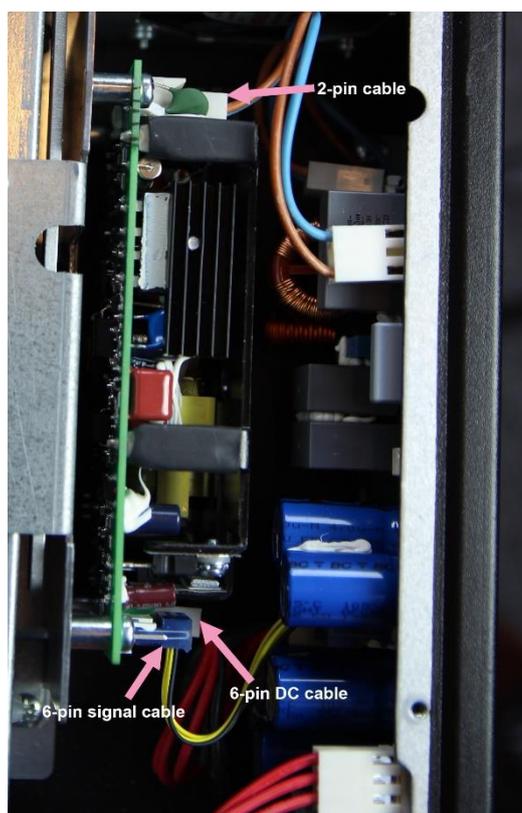
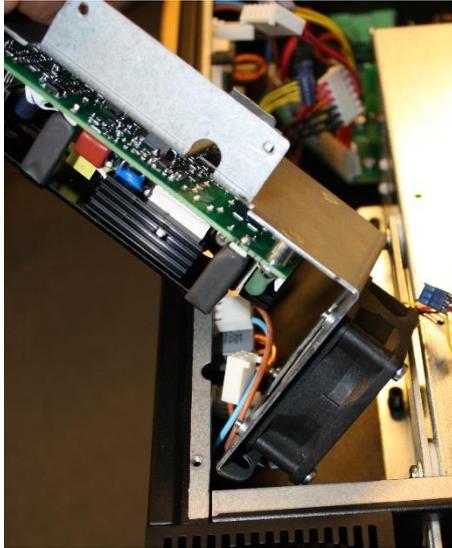4. Unscrew the 2 tapping screws using a PZ1 bit on the top flange
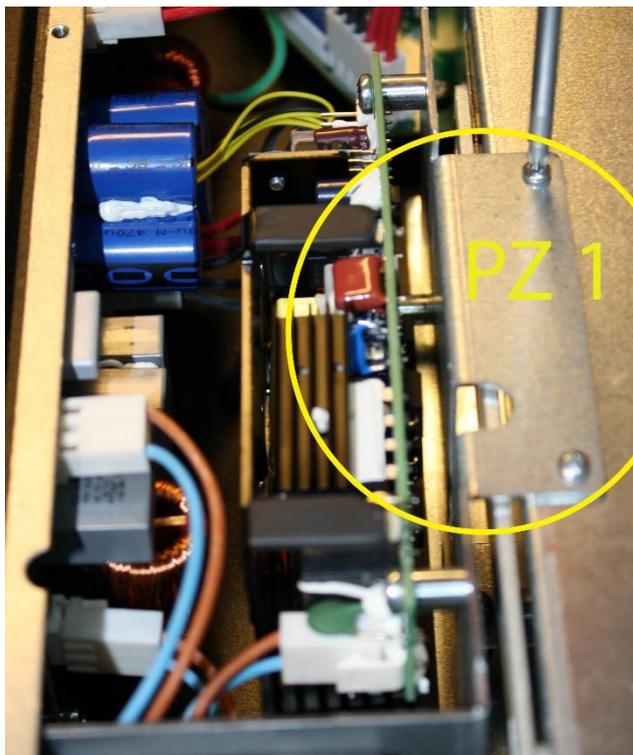
5. Lift up the AC-DC PSU and unplug the following cables:
   o 6-pin yellow signal cable
   o 6-pin red & black DC cable
   o 240V 2-pin blue & brown cable next to the fan of the PSU

6. Lift and turn the AC-DC PSU, freeing it from the cabinet cavity

Make sure that the fan connection cable does not get entangled.

3 Demounting the DC-DC Power Supply Unit

1. Unplug the following cables from the DC-DC PSU:
   o   4-pin red & black DC cable
   o   10-pin yellow signal cable.
   o   6-pin red & black DC cable
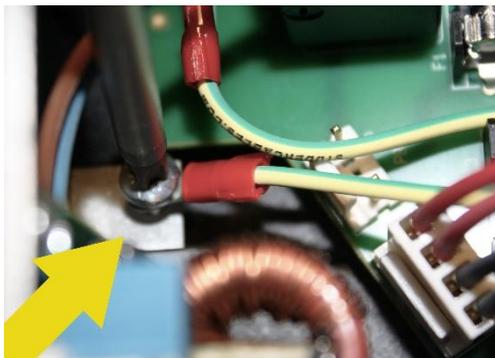   o   240V 2-pin blue & brown cable

2. Using a PZ2 bit, unscrew the inner M4 screw (attached to ground cable) and outer M4 screw on the lower flange of the PSU.

3. Move the PSU unit slightly to the front

4. Tilt the lower edge of the unit to free it from under the cabinet flange

4 Installing the DC-DC Power Supply Unit

1. Place the long 240V 2-pin blue & brown cable behind the DC-DC PSU
2. Insert the PSU in an angled position by sliding the top edge under the cabinet flange
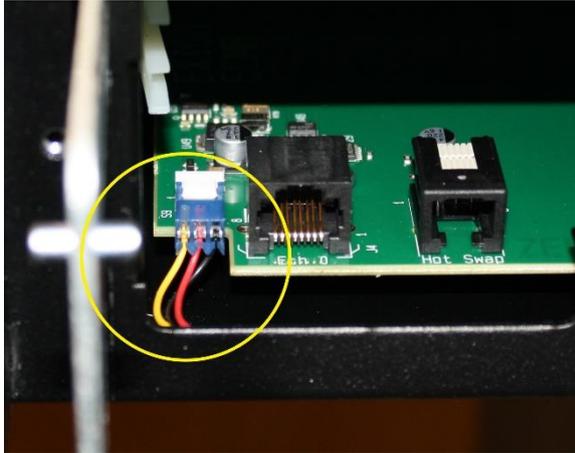

3. Push the lower edge in and align the screw holes on the PSU with the corresponding mounting holes on the cabinet floor.
4. Insert and fasten the two M4 screws on the lower flange of the PSU

5. Reconnect the ground cable to the inner screw

6. Plug the following cables back into the PSU:

   - 4-pin red & black DC cable
   - 6-pin red & black DC cable
   - 10-pin yellow signal cable.
   - 240V 2-pin blue & brown cable

5 Installing the AC-DC Power Supply Unit

1. Tilt the PSU with the fan side down to insert it into the left cavity

2. Thread the fan connection cable through the hole leading into the main cavity and plug it into the 3-pin fan connector on the controller board.

3. Plug the following cables back into the PSU:

   o 6-pin yellow signal cable

   o 6-pin red & black DC cable

   o 240V 2-pin cable next to the fan of the PSU
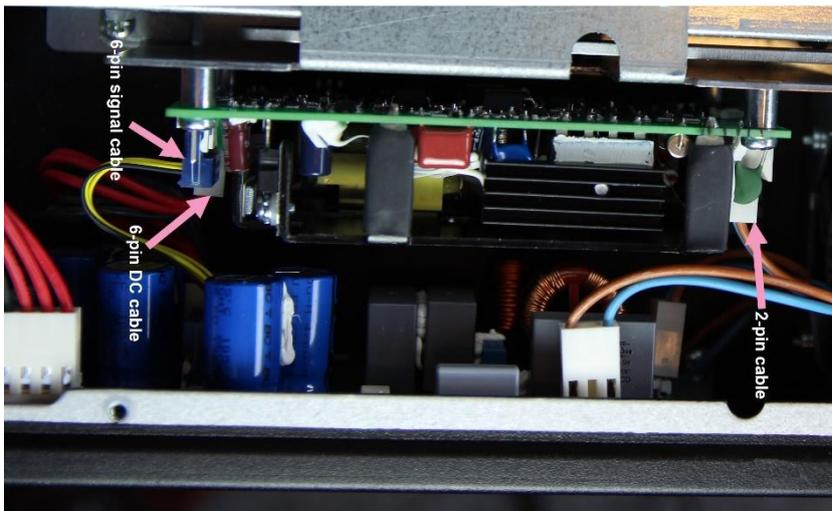
4. Align the 2 screw holes on the bottom flange with the corresponding mounting holes on the cabinet floor.

5. Insert and fasten the two M4 screws (use a magnetic tip screwdriver)

6. Insert and fasten the two tapping screws on the top flange

7. Put the top cover in place and fasten with the 8 M3 screws

8. Tilt the front cover up and slide it into the cabinet.

   o Make sure that the flat cable slides in properly.

9. Press the front cover to the flush position and fasten the 2 front socket screws.