

Replacing Amplifier Module on ENA2400

Item Number	Item Name	Description
102 3922 400	EAM-400	Exigo 2x400 Watt Amplifier Module for ENA2400-DC/ENA2400-AC

1 Accessing the Old Amplifier Module

Before you start the procedure:

1. Switch off and disconnect the amplifier from the power mains
2. Remove all the connection cables from the amplifier
3. Remove the top panel by unscrewing the **8 Torx screws (6 on top, 2 at rear)** using a **T10 bit**



Figure 1: Removing Top Panel

The Amplifier Module has a heat sink on top which abuts a fan at one end.

2 Demounting the Old Amplifier Module

2.1 Removing the Fan

Before demounting the Amplifier Module, the fan adjoining the unit has to be removed.

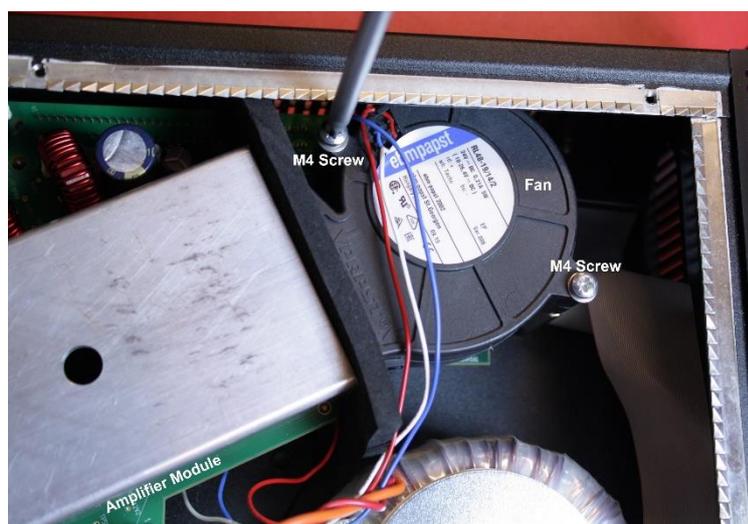


Figure 2: Removing Fan

1. Use a **PZ2 bit** to remove the **two M4 screws** on top of the fan
2. Tilt the fan up from under the cabinet flange and lift it out

2.2 Removing the Amplifier Module

1. Remove the **hex spacer** from the module using a **7 mm hex key**

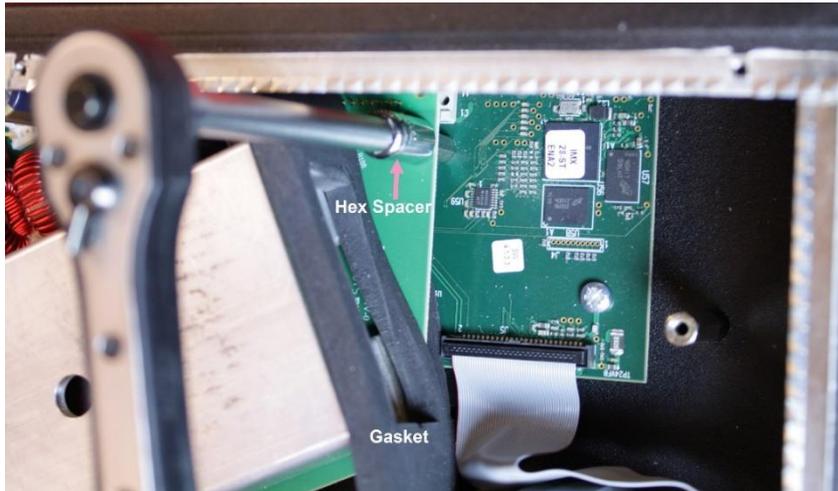


Figure 3: Removing Hex Spacer

2. Remove the gasket
3. Unplug the following cables from the module (**Note the connector positions of the cables**):
 - 2x 6-pin red & black cables (DC Power Connectors)
 - 2x 2-pin red & orange cables (Left & Right Transformer Connectors)
 - 2x 2-pin black & yellow & cables (Left & Right Transformer Connectors)
 - 2-pin black & white cable (2-pole IDC)

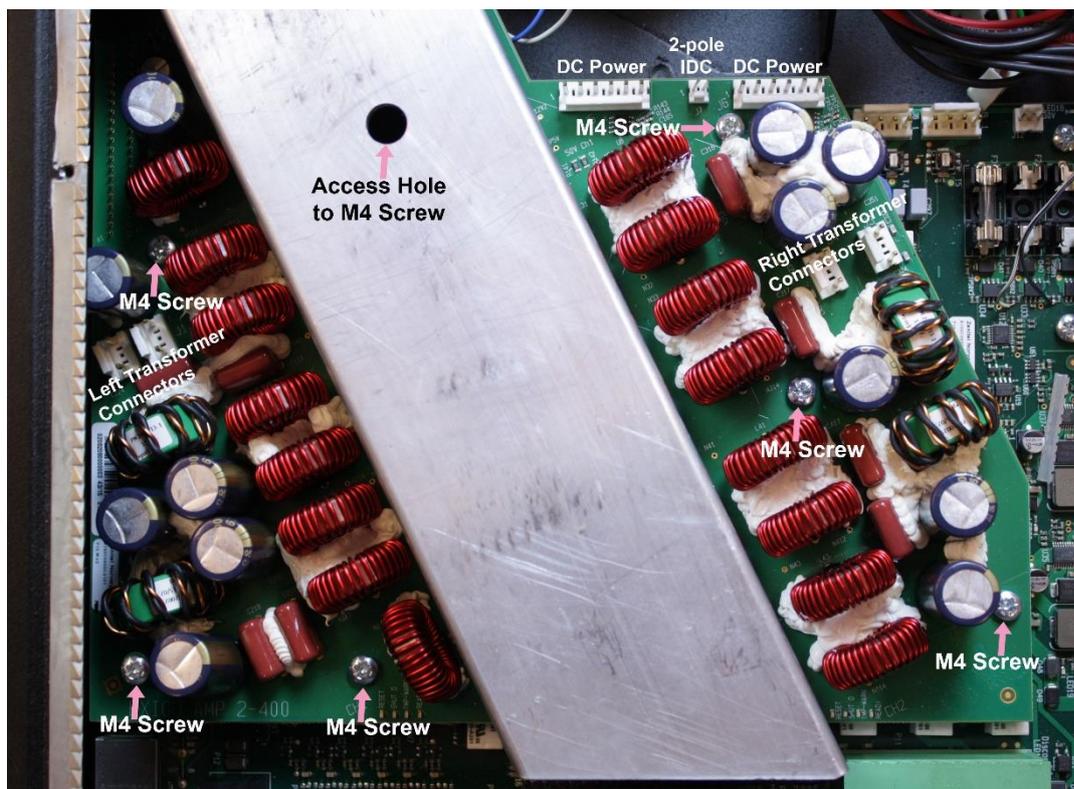
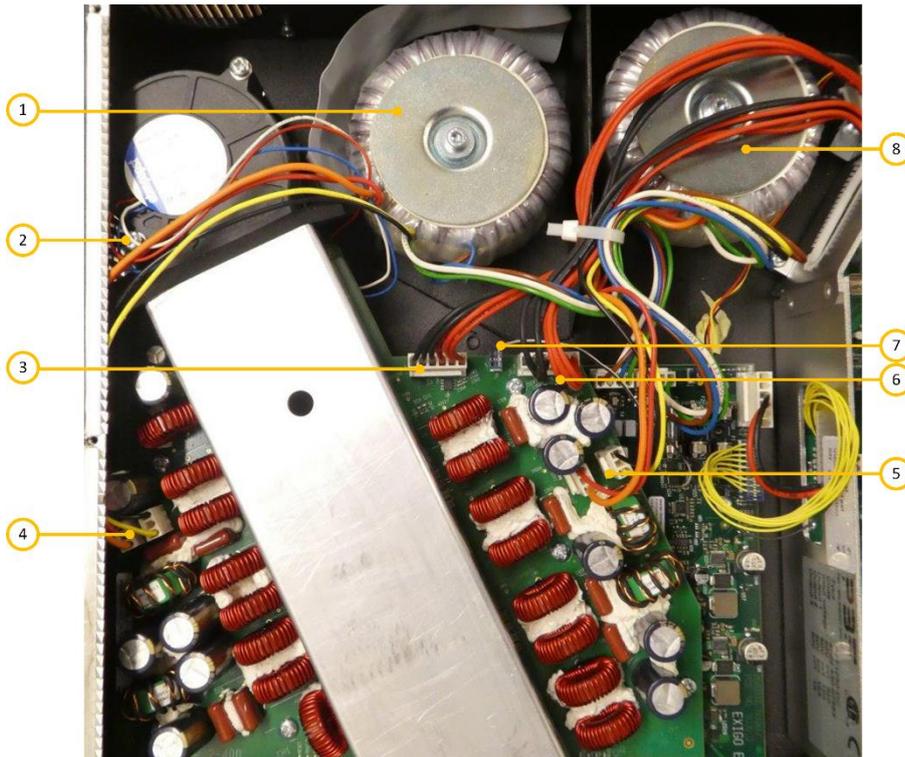


Figure 4: Screws and Connectors on Amplifier Module

4. Use a **PZ2 bit** to remove the **six M4 screws** on top of the module
5. Use a **PZ2 bit (magnetic)** to remove the **M4 screw** under the heat sink via the **access hole**
6. Unplug the Amplifier Module from the **Euroconnector** at the side of the cabinet
7. Lift the Amplifier Module out of the cabinet

3 Installing the New Amplifier Module

1. Plug the Amplifier Module back into the Euroconnector at the side of the cabinet
2. Insert and fasten the **six M4 screws** on top of the module. Tighten screws to **torque: 1.5 Nm**.
3. Insert and fasten the **M4 screw** under the heat sink via the access hole. Tighten to **torque: 1.5 Nm**.
4. Insert the **hex spacer** back into the module and tighten well
5. Put the **gasket** back in place by positioning it as shown on the right



- 1 Left Transformer
- 2 Screw with 2 Washers
- 3 DC Power Connector
- 4 Left Transformer Connectors
- 5 Right Transformer Connectors
- 6 DC Power Connector
- 7 2-Pole IDC
- 8 Right Transformer

Figure 5: Cable Connector Positions

6. Install the fan by inserting and fastening the **two M4 screws** back on top of the fan (the **screw with 2 washers** is used in the **hex spacer** position). Tighten screws to **torque: 1.25 Nm**.
7. Plug the following **cables back into their original connector positions** on the module (Figure 5):
 - 2x 6-pin red & black cables (DC Power Connector on the PSU closest to the cabinet center connects to the left DC Power Connector on the amplifier module closest to the heat sink)
 - 2x 2-pin red & orange cables (cables from Right Transformer to Right Transformer Connectors, cables from Left Transformer to Left Transformer Connectors)
 - 2x 2-pin black & yellow cables (cables from Right Transformer to Right Transformer Connectors, cables from Left Transformer to Left Transformer Connectors)
 - 2-pin black & white cable (2-pole IDC from mainboard to 2-pole IDC on amplifier module)
8. Put the top panel back in place and fasten with the **8 Torx screws**