



**ADH[®] NETCOM[™] AUTOMATIC AIR DEHYDRATOR AC
POWER FILTER MODULE AND SWITCH ASSEMBLY
REPLACEMENT PROCEDURE**

**Replacement Kit Part Number 24086
Document Part Number 24099**

SAFETY INFORMATION AND WARNINGS

Abnormal Odor or Smoke



In the event of smoke or a burning or abnormal odor, immediately interrupt power to the ADH NETCOM with the POWER switch at the rear of the unit, unplug the unit, or turn off the circuit breaker controlling the outlet. Note that only the AC model of the ADH NETCOM has an ON / OFF switch.

Lethal Voltages Present



Lethal voltages are present inside the ADH NETCOM. Service should be performed by qualified personnel only. There are no user serviceable components inside the chassis.

Pneumatics



Each of the air pumps inside the ADH NETCOM automatic air dehydrator is capable of generating as much as 24 psig (1,655mbar). Other attached dry air sources may be capable of generating even higher pressures. Proper safety practice requires treating all pneumatic components with care. Always vent the system to atmospheric pressure before servicing pneumatic components.

Rack Mounting



Before and after rack mounting the ADH NETCOM, ensure that the rack is stable. Mounting of the ADH NETCOM into a rack should be such that a hazardous condition is not created due to uneven mechanical loading. Verify that adequate air flow and power source capacity is available to the unit. Ensure that the ADH NETCOM maximum operating temperature of 130°F (55°C) will not be compromised by other components in the rack. Ensure reliable earthing of the ADH NETCOM.

ADH NETCOM AC POWER FILTER MODULE AND SWITCH ASSEMBLY REPLACEMENT PROCEDURE

This procedure addresses the removal and replacement of the AC Power Filter Module and Switch Assembly in an ADH NETCOM Automatic Air Dehydrator with AC Power. It is recommended to read the entire procedure prior to beginning work.

INVENTORY LIST

Identify the following items in this kit prior to beginning work.

Item Number	Part Number	Item Quantity	Item Description
1	23446	1	AC Power Filter Module and Switch Assembly
2	24099	1	Instruction Manual (this document)

TOOLS REQUIRED

The following tools are needed to perform this procedure:

- Small flat blade screwdriver
- Tubing wrench or vacuum tube pliers
- Needle nose pliers
- Philips screwdriver
- spade lug tool

AC POWER FILTER MODULE AND SWITCH ASSEMBLY REMOVAL AND REPLACEMENT

To replace the AC Power Filter Module and Switch Assembly (23446) in an ADH NETCOM with AC power, perform the steps below.

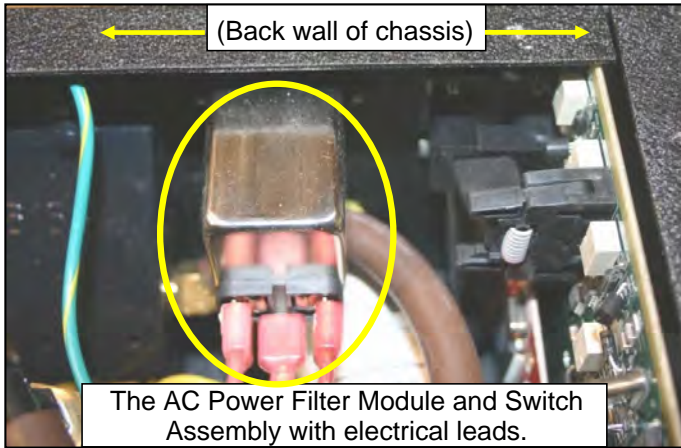


Figure 1. THE ADH NETCOM AUTOMATIC AIR DEHYDRATOR AC POWER FILTER MODULE AND SWITCH ASSEMBLY.

1. Shut off machine power by placing power switch in the OFF (O) position. Refer to Figure 2. With the power switch in the off position, unplug the power cord. If possible, move the dehydrator to a work table.

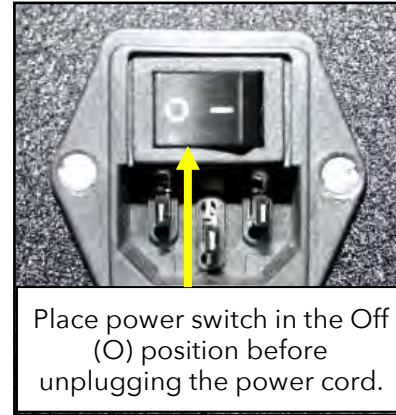


Figure 2. ADH NETCOM POWER SWITCH.

2. Remove the rear top machine panel. Retain the mounting hardware.
3. After first observing their color and placement, disconnect the three electrical leads from the existing power filter module. Refer to Figure 3. These same leads will connect to the same terminals on the new power filter module. Whether you use your fingers or a small tool to remove the leads, be careful to not separate the spade lugs from the wires.

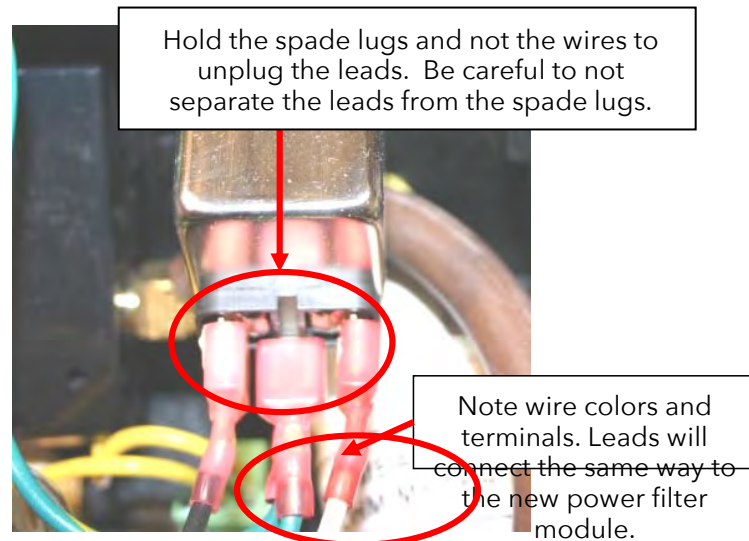


Figure 3. THE POWER FILTER MODULE ELECTRICAL LEADS.

- Using the small flat blade screwdriver, remove and retain the two mounting screws from either side of the power switch assembly on the back of the machine. Refer to Figure 4.

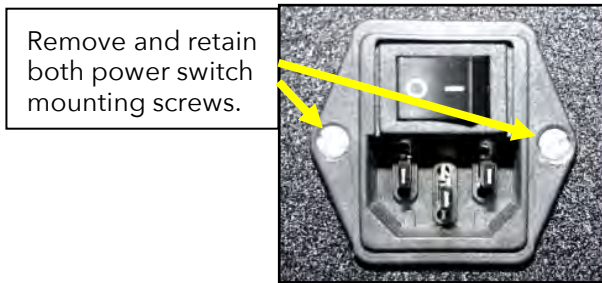


Figure 4. REMOVING THE POWER SWITCH MOUNTING SCREWS.

- With the three electrical leads disconnected from inside the machine and the two mounting screws removed from the back of the machine, push the assembly out of the machine through its mounting hole. Refer to Figure 5.

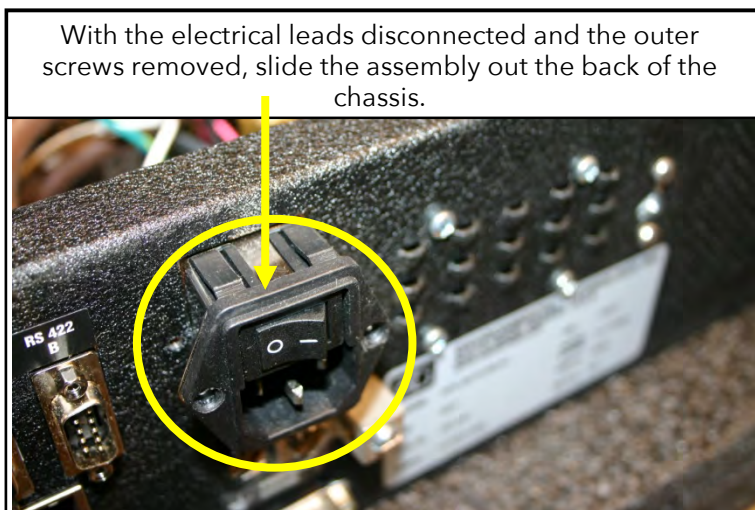


Figure 5. REMOVING THE POWER FILTER MODULE ASSEMBLY.

- Gently push the new power filter module and switch assembly into the machine through the same mounting hole in the chassis from which the original assembly was removed. Make sure that the power switch is positioned above the 3-prong receptacle as the original had been.
- Install the two mounting screws removed in step 4.
- Connect the three electrical leads removed from the original assembly in step 3. Make sure to locate them exactly as they had been in the original installation, with the black lead on the left, the white lead on the right, and the green 2-prong lead in the middle. Refer to Table 1 below.
- Reinstall the rear top panel using the hardware removed in step 2.
- Restore machine power.

WIRE COLOR	FUNCTION	LOCATION
Black	Line	Left
White	Neutral	Right
Green	Ground	Middle

TABLE 1

QUESTIONS AND COMMENTS

For technical help, questions, or comments concerning this or any ETI, Inc., product, contact the Customer Service Department between 8:00 a.m. and 5:00 p.m. EST.

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