

AIRSTAR[®] NEO

DENTAL AIR SYSTEM

Main PCB Assembly Kits

Part Numbers: 85205-1 through 85205-7

Replacement Instructions

Introduction

This document provides the instructions to replace the Main PCB Assembly of an AirStar NEO Dental Air System. These instructions cover all AirStar NEO models using the corresponding Main PCB Assembly Kit, part number 85205-1 through 85205-7, listed below. Please note that this task should only be done by an authorized dealer service technician.

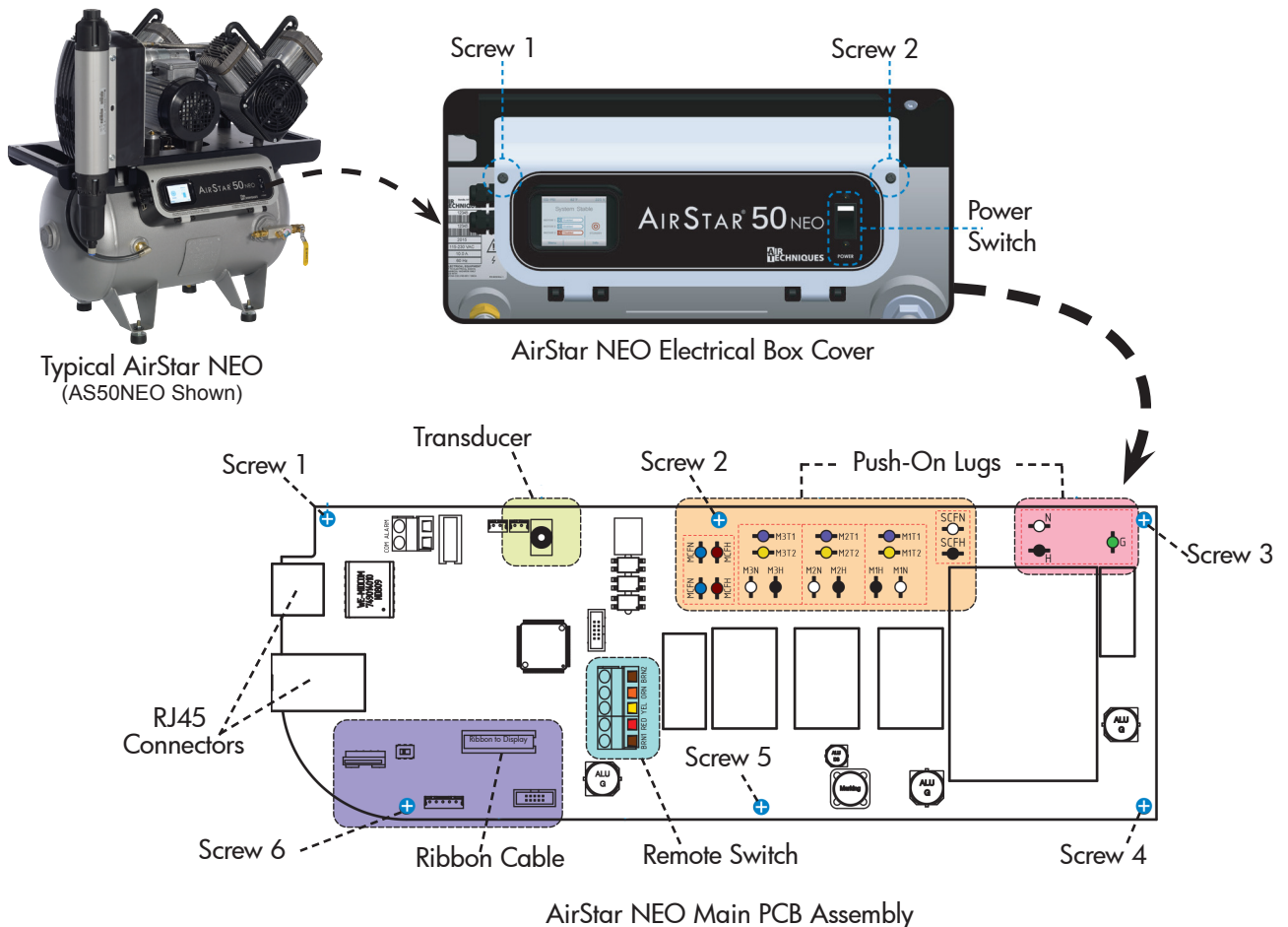
Important:

Make sure to remove all power to the AirStar NEO before removing the main PCB assembly. Voltage is present on circuit breaker terminals when facility power is connected.

PCB Removal:

1. Place the POWER circuit breaker to the O position.
2. Disconnect facility power going to the Electrical Box.
3. Remove and save the two (2) Front Screws securing the Electrical Box cover.
4. Open the Electrical Box by lifting from either side of cover.
5. Disconnect all Push-On Lugs that are connected to the PCB (Power, Motors, Coolers, Sound Cover). Tag as necessary.
6. Disconnect display Ribbon Cable from the RIBBON TO DISPLAY connector.
7. Disconnect the Transducer by carefully cutting the clear 5/32 inch tubing with small clippers. Cut the tubing at the bottom of the loop under the RIBBON TO DISPLAY connector.
8. Loosen the terminal screws of the Remote Switch (if used) and disconnect wires.
9. If necessary, disconnect the cables from the associated RJ45 connectors located on the left side of the Electrical Box.
10. Remove and save the six (6) Screws used to mount the PCB to Electrical Box housing.
11. Remove the PCB by carefully tilting the PCB right side up and sliding it out of the Electrical Box.

Main PCB Assembly Replacement Kits	
AirStar Model	Kit Part No.
AS10NEO	85205-1
AS21NEO	85205-2
AS22NEO	85205-3
AS30NEO	85205-4
AS40NEO	85205-5
AS50NEO	85205-6
AS70NEO	85205-7



PCB Installation:

1. Install the replacement PCB by tilting the left side down into the Electrical Box housing while aligning the RJ45 connectors with the corresponding mounting holes on the left side of the Electrical Box. Carefully slide the board into the box.
2. Align the six screw holes of the PCB with the six screw holes of the Electrical Box housing. Using the same six (6) screws saved during PCB removal, secure the PCB to the Electrical Box.
3. If necessary, connect the cables to the associated RJ45 connectors located on the left side of the Electrical Box.
4. If used, insert Remote Switch wires into the associated terminal locations (see diagram) and secure using terminal block screws.
5. Connect all Push-On Lugs to their respective locations (see diagram) on PCB (Power, Motors, Coolers, Sound Cover).
6. Connect display Ribbon Cable to PCB.
7. Join the tubing cut during PCB removal with the supplied tubing and coupler installed to the Transducer connector port of the replacement PCB by pushing the tubing fully into the coupler.
8. Close Electrical Box cover and secure using two (2) Front Screws.
9. Connect facility power to Electrical Box.
10. Turn ON compressor by placing the POWER circuit breaker to the I position.

