

Alpha 91B Blower Replacement Procedure

REMOVAL

1. Unplug the 91B and remove the cover.
2. Remove the transformer.
3. Remove the top screw from the plate choke L4 (vertical choke between the blower and the tank coil). Lift anode “clips” from both of the tubes by simply pulling straight up. Remove the Parasitic choke assembly and rubber chimneys by pulling straight up on the chimneys simultaneously. Remove both tubes V1 and V2.
4. Position the 91B on its side so the tube deck is on top. Remove the 3 screws below and to the left of the rectangular tube deck cover.
5. The blower should now be loose. If the blower is not movable, double check the screws that were taken out. If the correct screws were removed a few solid shakes should loosen the bracket.
6. Remove both blower wires. Unit may have blower wires going to either the Mains board or primary transformer Molex connector. If they go directly into the Molex connector, cut them off as close to the connector body as possible.
7. Place the 91B back to its horizontal position.
8. Remove the blower, it may be necessary to push aside the capacitors and inductors surrounding the blower housing so as not to damage the components. Several methods are possible.

Alpha 91B Blower Replacement Procedure

INSTALLATION

1. Remove plastic from double-sided tape on metal plate around the square blower housing opening. Install the blower (easier said than done). Insert the blower wires through the hole provided. NOTE: it will be easier to insert the wires before installing the blower.
2. Position the 91B on its side so that the tube deck is on top. Install the 3 screws below and to the left of the rectangular tube deck cover. NOTE: you may need to apply pressure to the bracket to align the holes with the chassis. Press metal plate against tube deck, the double-sided tape will seal opening around blower housing.
3. Install both of the tubes V1 and V2. Install the rubber chimneys over the tubes and fasten anode “clips” to the tubes. Install screw through the metal strap and into the plate choke L4 (vertical choke between the blower and the tank coil).
4. Attach the blower wires to the mains board using ring lugs provided, on taps 2 and 4 for 240vac operation. See chart below for other settings.
5. Install the transformer.
6. Replace the cover and plug into outlet.

AC mains voltage settings:

Primary	'A' Wire	'B' Wire	Blower	JUMPERS
230-250v	4	2	4&2	not used
210-230v	4	3	4&3	not used
190-210v	5	3	4&3	not used
110-130v	4	6	4&7	1-2 6-7
90-110v	5	6	4&7	1-3 6-7

Using these settings for the Mains and blower wiring will put approximately 120vac on the blower for all settings. Connect optional rear fan wires to the same terminals as the blower wires.