

Allen-Bradley Bulletin 1336 Adjustable Frequency AC Drive

Cat. Nos. 1336 B075-B125
1336 C075-C125
1336VT B075-B150

This publication will guide you through the replacement of the fan assembly for the above rated drives. The fan assembly is located behind and below the Base Drive Mounting Plate.

Removal



ATTENTION: This drive contains ESD (Electrostatic Discharge) sensitive parts and assemblies. Static control precautions are required when installing, testing, servicing or repairing this assembly. Component damage may result if ESD control precautions are not followed. If you are not familiar with static control procedures, reference AB publication 8000-4.5.2, "Guarding Against Electrostatic Damage" or any other applicable ESD protection handbook.



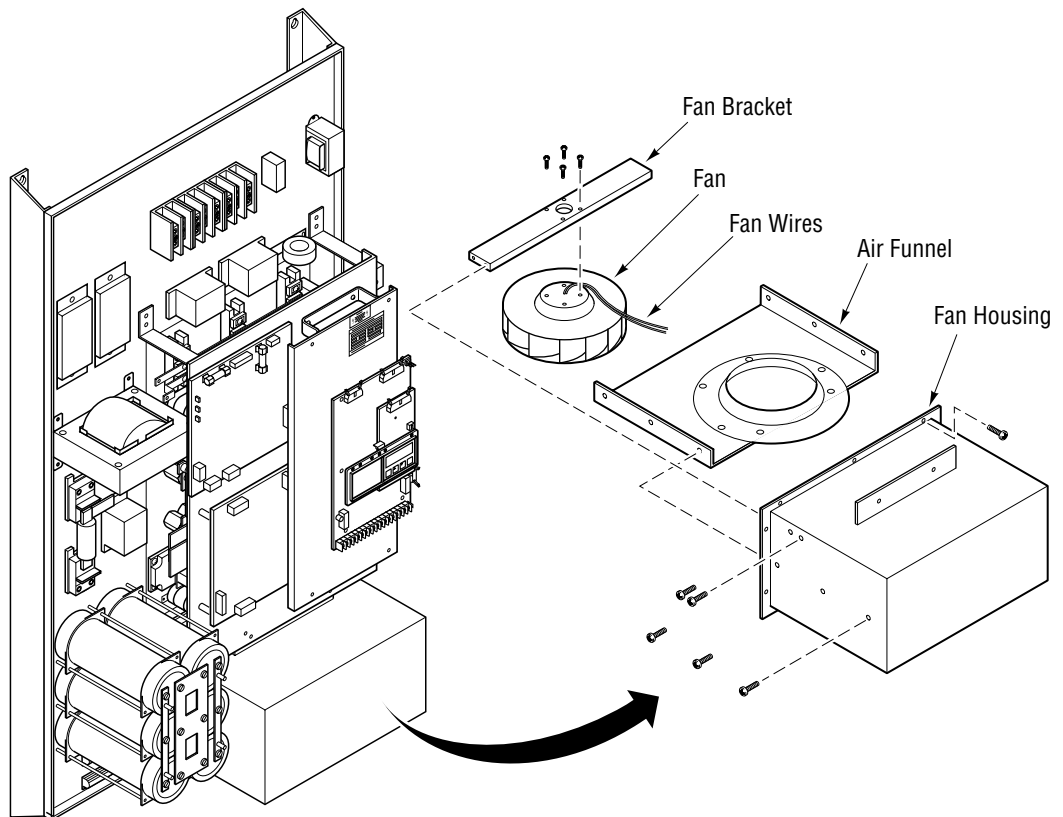
ATTENTION: To avoid a shock hazard, assure that all power to the drive has been removed before proceeding with the following procedure. In addition, verify that the DC bus has discharged by measuring across the "+DC" and "-DC" terminals of TB1 with a voltmeter. The voltage should be 0.0V DC.

IMPORTANT: Before you remove connections, bus bars, and wires from the drive components, mark the connections, bus bars, and wires to correspond with their component connections and terminals to prevent incorrect wiring during assembly.

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Removal (continued)

1. Remove power from the drive.
2. Wait for Bus Indicator Light DS1 to turn off. Check for zero volts at TB1 terminals +DC and –DC before proceeding.
3. Remove the Base Driver Mounting Plate from the drive. Refer to Chapter 2 in pub. 1336-6.3 — Removing the Base Driver Mounting Plate.
4. Remove the 0V and 115V wires from the terminal block located on the right side of the Fan Housing.
5. Remove the screws fastening the Fan Housing to the chassis.
6. Pull the Fan Housing away from the drive.
7. Place the Fan Housing on a surface with the open side of the housing facing up.
8. Cut all fan wires at the adjustable grommet, located on the side of the Fan Housing.
9. Remove the screws fastening the Air Funnel to the inside of the Fan Housing.
10. Remove the four screws fastening the horizontal Fan Bracket to the inside of the Fan Housing. Two screws are located near the top edge of each side of the Fan Housing.
11. Loosen the nut on the adjustable grommet and remove the wires from the grommet.
12. Remove the Fan from the Fan Housing.
13. Remove the wires from the Fan Capacitor stake-on connectors.



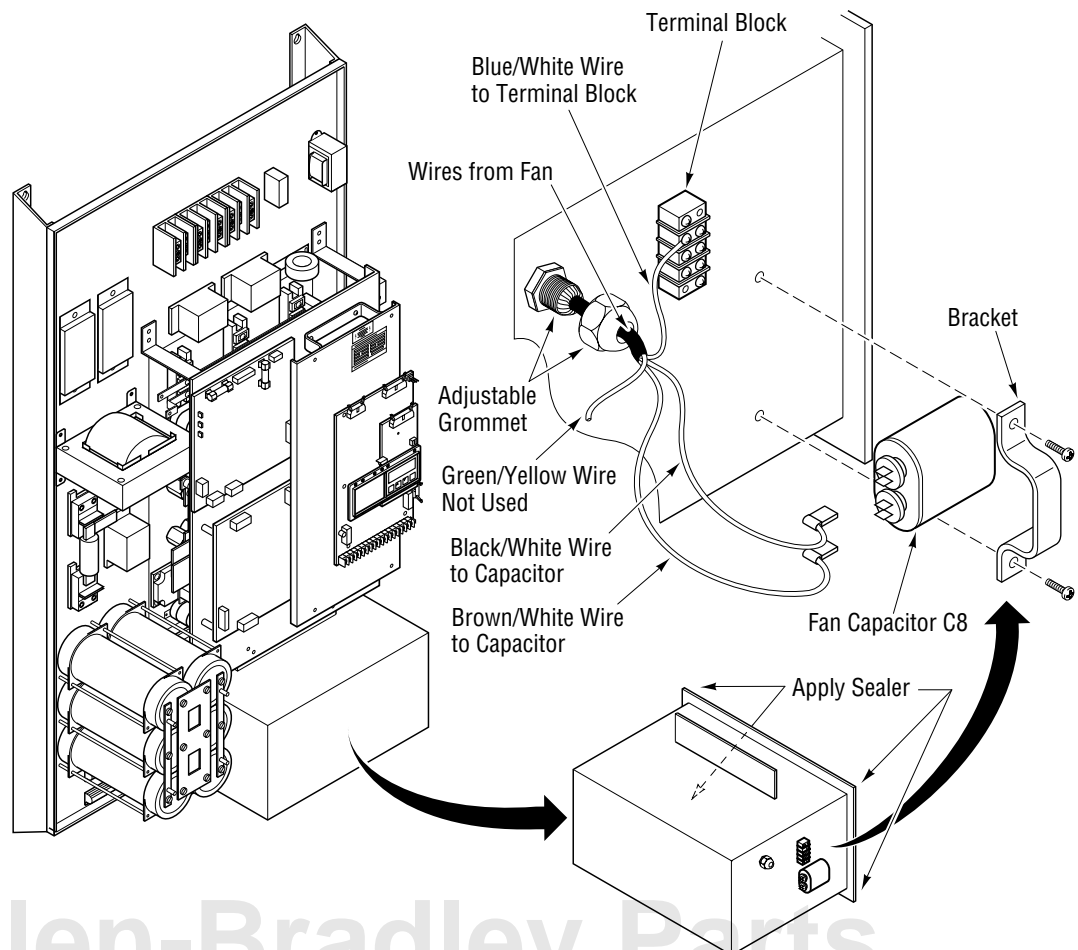
Installation

1. Feed the new Fan wires through the adjustable grommet, from the inside of the Fan Housing to the outside.
2. Cut off, insulate, and tie back the yellow-on-green Fan wire.
3. Fasten the wire terminals to the stripped ends of the Fan wires. Refer to the color schemes on the replaced Fan's wires for wire terminal replacement.
4. Install the Fan and Capacitor C8 in the reverse order of removal.

IMPORTANT: Before you mount the Fan and Fan Housing on the drive, run the Fan in the housing with the Air Funnel installed. Adjust the Fan and the Air Funnel on their horizontal mounting brackets until the Fan and Air Funnel do not rub together. Note that the oblong adjustment holes on the Fan Bracket are perpendicular to the holes on the Air Funnel Bracket. Just prior to mounting the Fan and Fan Housing on the drive, apply the RTV silicone sealer included with the kit to each of the four corners of the Fan Housing.



ATTENTION: Replace all guards before applying power to the drive. Failure to replace cards may result in death or serious injury.



Allen-Bradley Parts



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