Packard CECOMINOD071945

Packard 66338 Furnace Draft Inducer Motor Instruction Manual

Model: CECOMINOD071945

1. Introduction and Safety Information

This manual provides detailed instructions for the safe installation, operation, and maintenance of the Packard 66338 Furnace Draft Inducer Motor.

Important Safety Information: Installation and servicing of this motor should only be performed by qualified personnel. Disconnect all electrical power to the furnace at the main breaker before beginning any work. Failure to follow these instructions could result in property damage, personal injury, or death.

2. Product Overview

The Packard 66338 is a replacement draft inducer blower motor assembly designed for specific InterCity Products, including various Heil and Tempstar furnace models. This kit is specifically designed to replace the exhaust blower on the N9MP1, N9MP2, *9MPD, *9MPT, and *9MPV series gas furnaces.

It serves as a direct replacement for numerous part numbers, including: 1014338, 1014338A, 1014338FA, 1013915, 1172824, 1014341, 10706, 1012002, 1013388A, 1013388FA, 1013188, 1172823, 3115, 7021-10928, 329148-701, 330701-701, RFB330, 7058-1023, 70581023, 341449, 7058-1124, NXJ1124J-27, 1013916, and 119256-00.

Image of the Packard 66338 Furnace Draft Inducer Motor, a black, compact blower assembly with a cylindrical motor housing and an exhaust fitting.

3. Setup and Installation

This section outlines the general steps for replacing an existing draft inducer motor. Specific furnace models may have variations.

Tools Required:

- Screwdrivers (Phillips and flathead)
- Wrenches (appropriate sizes for mounting bolts)
- Wire strippers/crimpers (if wiring adapter is not included or needs modification)
- Multimeter (for electrical verification, optional but recommended)

Installation Steps:

1. **Disconnect Power:** Turn off all electrical power to the furnace at the main breaker or service panel. Verify power is off using a multimeter.
2. **Locate Old Motor:** Identify the existing draft inducer motor assembly on your furnace.

3. **Disconnect Wiring:** Carefully disconnect the electrical wiring from the old motor. Take a photograph or make a diagram of the wiring configuration for proper re-connection.
4. **Remove Old Motor:** Remove any mounting screws or bolts securing the old motor assembly to the furnace. Carefully detach and remove the old motor assembly.
5. **Position New Motor:** Position the new Packard 66338 motor assembly in place. Ensure proper alignment with the furnace's exhaust system and mounting points.
6. **Secure New Motor:** Secure the new motor assembly using the appropriate mounting screws or bolts. The unit includes mounting holes for pressure switches, if applicable to your specific furnace model.
7. **Connect Wiring:** Connect the electrical wiring to the new motor. Ensure all connections are secure and match the original configuration. If a wire adapter is not included with the new motor, you may need to splice the old connector onto the new motor's wires.
8. **Final Checks:** Verify all connections are tight, the motor is securely mounted, and there are no obstructions around the blower or exhaust fitting.
9. **Restore Power & Test:** Restore electrical power to the furnace. Initiate a call for heat to test the furnace operation and ensure the new draft inducer motor functions correctly. Observe for proper startup and exhaust venting.

4. Operating Instructions

The draft inducer motor operates automatically as an integral part of the furnace's combustion cycle. Its primary function is to draw combustion gases through the heat exchanger and vent them safely out of the system.

Upon a call for heat from the thermostat, the furnace control board will activate the draft inducer motor. This action creates a negative pressure within the combustion chamber, which allows the furnace's pressure switch to close. Once the pressure switch confirms adequate draft, the ignition sequence for the main burner will proceed.

No manual operation or intervention is required for this component during normal furnace operation.

5. Maintenance

Regular inspection of the draft inducer motor is recommended as part of routine annual furnace maintenance to ensure optimal performance and longevity.

Annual Checks:

- **Visual Inspection:** Inspect the motor and blower housing for any signs of wear, corrosion, physical damage, or debris accumulation.
- **Noise and Vibration:** Listen for any unusual noises (e.g., grinding, squealing) or excessive vibrations during operation, which may indicate bearing wear or imbalance.
- **Exhaust Pathway:** Ensure the exhaust fitting and associated tubing are clear of any obstructions.
- **Electrical Connections:** Verify that all electrical connections to the motor are secure and free from corrosion.

This motor features sealed ball bearings, which are designed for long-term operation and typically do not require lubrication.

6. Troubleshooting

This section provides general troubleshooting tips for common issues related to the draft inducer motor. For complex problems, consult a qualified HVAC technician.

Motor Not Starting:

- **No Power:** Check for proper electrical power supply to the furnace. Ensure the furnace breaker is not tripped.
- **Wiring:** Verify all wiring connections to the motor are secure and correctly installed.
- **Pressure Switch:** Inspect the furnace's pressure switch and associated tubing for blockages, cracks, or malfunctions. A faulty pressure switch can prevent the motor from starting.
- **Motor Seized:** Listen for any humming sounds from the motor without rotation, which might indicate a seized bearing.

Unusual Noises or Vibrations:

- **Loose Mounting:** Ensure the motor is securely mounted and all fasteners are tight.
- **Obstructions:** Check for any foreign objects within the blower housing that could be causing noise or imbalance.
- **Bearing Wear:** Persistent grinding or squealing noises often indicate worn motor bearings. If this occurs, motor replacement may be necessary.

Motor Runs Continuously:

- This condition typically indicates a problem with the furnace control board or a stuck pressure switch.
- Consult a qualified HVAC technician for diagnosis and repair.

7. Specifications

- **Model Number:** CECOMINOD071945
- **Part Number:** 66338
- **Voltage:** 120 Volts
- **Amperage:** 2.4 Amps
- **RPM:** 3000 RPM
- **Horsepower:** 1/20th HP
- **Motor Type:** Shaded Pole
- **Bearings:** Ball Bearing
- **Rotation:** CW (Clockwise) as viewing lead end
- **Product Dimensions:** Approximately 11.4 x 11.8 x 7.1 inches
- **Item Weight:** Approximately 6 pounds
- **Includes:** Exhaust Fitting

8. Warranty and Support

For warranty information or technical support regarding your Packard 66338 Furnace Draft Inducer Motor, please contact Packard customer service or your authorized dealer. It is recommended to keep your purchase receipt for any warranty claims.

Manufacturer: Packard

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