

COMBUSTION BLOWER 305-0053

INSTALL INSTRUCTIONS

Replaces MPNs: 305-0053, 3-21-8639, J238-112-11142

Before Installing

- **ALWAYS** unplug the unit before beginning any work
 - Allow the unit to cool completely if recently used
 - Work in a well-lit area with proper tools
 - Ensure there are no pellets in the hopper assembly
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Installation Steps

1. Disconnect power to the stove.
2. Open the left side service panel.
 - This can be done by using a Phillips screw driver and removing two screws: one screw on the side of the hopper near the top front corner of the side panel and the other screw at the front of the panel near the bottom.
 - The side panel can also be fully removed by swinging the panel out and lifting it up and away from the back, with the hopper lid down. You will also need a 1/4" and a 3/8" hex nut driver when doing this.
3. Loosen the six 1/4" hex screws holding the exhaust blower motor mounting plate.
4. Rotate the mounting plate counter-clockwise and carefully remove the motor assembly. Take note of the orientation of the motor before removal. Now would be a good time to inspect and clean the exhaust chamber.
5. Disconnect the wires connected to the exhaust motor.
6. Loosen the set screw on the exhaust blower fan blade
7. Remove the fan blade from the exhaust motor.

8. Remove the hardware holding the old exhaust motor assembly to the mounting plate.
 9. Remove the mounting plate from the old motor.
 10. Install the mounting plate to the new motor and fasten the assembly together with the previously removed hardware.
 11. Install the fanblade onto the new motor assembly; fasten the fanblade to the motor rod by tightening the set screw in the fan blade.
 - It is recommended to replace the fanblade when installing a new exhaust motor to prevent fitment issues.
 12. Connect the wires from the motor onto the stove wiring harness.
 13. Carefully install the newly assembled exhaust blower to the stove; rotate the mounting plate clockwise to lock the mounting in place. Ensure the motor is positioned in the same orientation as the previously installed exhaust motor and be careful not to bend the blades during installation.
 14. Tighten the screws to hold the exhaust blower mounting in place.
 15. Close or reattach the left side service panel.
 16. Plug in the stove.
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Post-Installation Check

- Verify all connections are secure
 - Ensure all wiring is not in proximity of moving parts
 - Test motor operation before closing panels
 - Check for any unusual noises or vibrations
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Support

If you encounter any issues during installation, consult your owner's manual or contact technical support via our [contact form](#).