

TECHNICAL SUPPORT DOCUMENTATION (Procedure)

<p>Remove, Service or Replace Exhaust Fan on ESW Pellet Stoves</p>	<p>Model involves</p>		
	<p>ESW pellet stoves</p>		
	<p>Serial Numbers</p>		<p>Pages</p>
	<p>All</p>	<p>to</p>	<p>All</p>
			<p>1 of 2</p>

Ensure the stove is unplugged from power source and that the flue pipe has been disconnected for this task

Steps	Description
<p>1.01 Remove rear and left side (viewed from front) access panels</p>	<p>Using a 5/16 wrench or socket remove the 6 to 8 screws located on rear panel and 4 from the side panel. Set panels aside.</p> <p>NOTE: For 25-EP or CBEP units, after removing rear panel loosen 2 screws located at the top and bottom at the front side panel then slide the side panel forward to remove.</p>
<p>1.02 Locate wires and unplug</p>	<p>Units 2007 or newer will have a color-coded wiring harness. The orange wires are for the exhaust fan and will need to be unplugged from the harness. Older units will have wires that lead all the way to the 7th and 8th pins of the circuit board.</p>
<p>1.03 Remove blower assembly</p>	<p>Using a 5/16 socket and extension remove the 5 screws that hold the exhaust fan to the exhaust flange and remove the blower from the unit.</p>
<p>1.04 Clean out exhaust channel</p>	<p>While the exhaust blower is removed from the stove, use this opportunity to thoroughly vacuum out the exhaust chamber that leads from the blower flange up to the front of the stove.</p>
<p>1.05 Clean blower and install new gaskets</p>	<p>Once the blower is removed, the old gasket will no longer be serviceable and will need to be replaced (part # SE36954). The gasket kit comes in a pair, one for the flange and one for the ring around the motor housing. To replace the ring gasket, remove the 6 11/32” nuts surrounding the motor mount flange and separate the housing from the motor assembly. Clean the fan blades and housing thoroughly, then install the new ring gasket and reattach the motor flange assembly. As for the housing, you may now install its new gasket.</p>
<p>1.06 Remount blower, or replace with new blower</p>	<p>To reinstall or replace the blower, line up the blower with the 5 screw holes and start each of the screws into their holes. You may now go back and tighten them all.</p>
<p>1.07 Reconnect flue</p>	<p>Reconnect the flue to the unit ensuring that it is sealed properly to prevent any smoke spillage.</p>

1.08 Plug unit in and test the exhaust blower operation in diagnostic mode	Set unit to diagnostic mode and power up the exhaust fan, listen for vibration or rubbing noises to ensure that the fan is working properly.
1.09 Reinstall the access panels	Reinstall panels to the rear and side of the unit.

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