

England's Stove Works, Inc.

Pellet, Wood, Gas and Coal Stoves

P.O. Box 206 Monroe, VA 24574

www.englishstoveworks.com

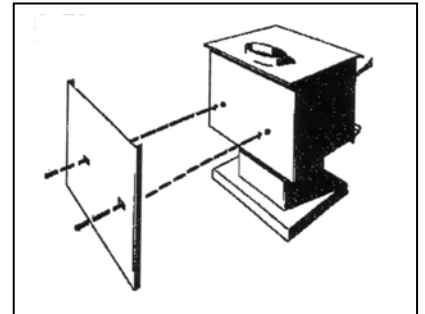
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Installing the AC-20 Heat Shield with Blower

WARNING: STOVE MUST BE OUT (NO FIRE), AND COOLED DOWN BEFORE PROCEEDING.

The AC-20 is a rear heat shield that is equipped with a blower and rheostat switch. This addition will install on all England's Stove Works models 18-TR (which includes the 50-SHW10 and 50-TRW10), 18-TRD (which includes the 50-SHW10D and 50-TRW10D), and 18-MH (which includes the 50-SHW15 and 50-TRW15). These stoves each have 2 "weld nuts" positioned on the back of the firebox about half way down from the top. In most cases, there will be a bolt pre-installed in each of these holes.



In the case of the 18-MH models, the unit is already equipped with a rear and side heat shield installed at the factory. This shield should be removed and will later be reinstalled around the back of the AC-20. The bolts, if present, should be removed before beginning the installation of the heat shield to the stove. Once they have been removed, the stove is ready to accept the heat shield. At this point you are ready to prep the heat shield for installation.

To prep the heat shield for installation, you must first locate and install the rheostat through the hole on the side of the heat shield. To do so, remove the knob from the rheostat (switch) by simply pulling it off the switch shaft. Then remove the nut and washer that are threaded on to the switch. Insert the shaft of the switch through the hole at the bottom side of the shield and reinstall the washer, then the nut. Tighten the nut snugly but **DO NOT OVER-TIGHTEN THE NUT!** Next, install the knob back onto the shaft by lining up the flat part of the shaft to the flat section on the hole in the back of the knob and pressing the knob onto the shaft.

Now you are ready to install the shield onto the stove. Place the shield against the back of the stove with the blower at the bottom, positioned so that the air from the blower will be blown upwards between the stove and the shield. In the case of the 18-MH models, the pre-existing heat shield that was removed should also be aligned with the slotted holes so that the bolts will go through both heat shields to attach both of them back to the stove. While holding the shield in this position, align the slotted holes for the shield to the weld nuts on the back of the stove and insert the two bolts (included with the shield) through the holes in the shield, and tighten them to the stove to hold the shield in place. The final step is to plug the unit into a 110-AC receptacle and turn the knob on to test the blower. The blower should run on high as soon as the knob is turned on, and the blower speed will decrease as the knob is turned further.

REMEMBER TO ALWAYS FOLLOW THE OWNER'S MANUAL AND LOCAL CODES CONCERNING PLACEMENT, INSTALLATION AND OPERATION OF THE STOVE.

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