



AES Technical Bulletin

How to Hone out the 7500 Auger Tube

Product Models covered: 7500 furnace

Topic: This technical bulletin will be addressing how to hone out the auger tube on the 7500 furnace.

Tools needed: ¼ inch box end wrench to loosen the three screws on the right side panel, 5/32nd inch allen wrench to loosen the set screw on the auger shaft locking collar, 1 ½ inch sanding wheel, and a drill.

Procedure: Unplug the power to the furnace. Clean out the hopper, vacuum out all of the corn and fines. Open the right side panel of the furnace. Unplug the leads to the auger motor. Loosen the set screw on the auger shaft locking collar, slide auger motor off (be careful not to damage the impeller located on the end of the auger motor, do not pull on the blades or they will break), and slide the locking collar off. Push auger towards the front of the furnace. Go to the front of the furnace, open the door and slide auger out.

Using the sanding wheel and drill, insert it into the auger tube. Slowly go into the tube all the way back and forth, about 10 times.

When the honing of the auger tube is complete, from the front of the furnace, slide the auger into the auger tube. From the back of the furnace, place the auger shaft locking collar on the auger. Slide the auger motor unit by aligning the flat shaft on the auger unit to the allen screw on the locking collar and then tighten the 5/32nd allen screw on collar. Reconnect auger motor electrical leads and make sure wires are secured properly in the right place. Close the side panel. When the furnace is put back together, restart unit, determine if everything has been re-installed and is running correctly. Check tightness on set screw on the locking collar.