



American Energy Systems, Inc.

Procedure for Checking Auger Feed Rate

For Baby Countryside and Winchester AC/DC Models

Turn off power to unit and unplug before servicing

Technical issue:

1. Lack of heat due to under feeding on the unit caused by improper feeding of fuel. After unit has been checked for the following items use this procedure to verify feed rate of auger.
 - a. Check on/off times on control panel
 - b. Verify auger motor voltage
 - c. Verify auger is turning smoothly
 - d. Check auger flighting for scratches and gouges

(Tools needed) Stop watch, scale, electrical tape and toggle switch

1. Bypass proof of fire using a toggle switch, place switch into the on position.
2. Using electrical tape, tape off hole for the igniter or igniter plug.
3. Place 3 pounds of corn into hopper. (do not prime auger)
4. Plug unit into outlet.
5. Turn unit on.
6. Start stop watch when on/off light comes on and change heat level to a #5 setting.
7. Run unit for 25 minutes then shut down.
8. Weigh corn in the firepot.
9. If corn in firepot weighs .6 to .8 lbs auger housing and control board are acceptable.
10. If corn in firepot is less then specified weigh you will have to either repair and or replace the auger and auger housing, (dealer will be required to return unit to AES for rework), or verify the control board is bad.