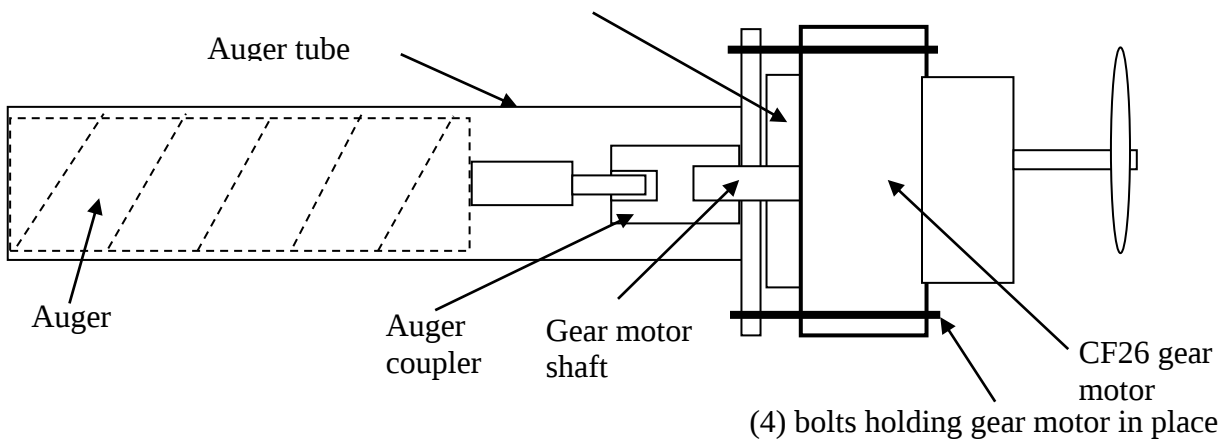




TECHNICAL SERVICE BULLETIN

CF26 AUGER MOTOR INSTALLATION Magnum 7500 Furnace – 2002 Models Only

Rubber vibration gasket between
gear motor and auger tube



It is very important that the CF26 gear motor assembly is installed properly so that the alignment is straight with the auger shaft.

Tools needed: 11/32 box end wrench to loosen the nuts on the (4) bolts holding the gear motor to the auger tube, 1/8th inch Allan wrench to loosen the set screw on the auger coupler

Procedure: Unplug the power to the unit. Clean out the hopper, vacuum out all the corn and take the auger out. Open the right panel of the furnace disconnect the wire leads to the auger motor and take off the (4) nuts. (the bottom nut is hard to get at), slide the auger motor off of the bolts (the bolt head is welded onto the auger housing) Be careful not to damage the impeller located on the end of the auger motor. The impeller can be slipped off the back of the shaft by grasping the inner hub and pulling. Do not pull on the blades or they will break.

Take the auger coupler and the rubber gasket off of the old gear motor and put it on the new auger motor. Install the new auger motor in the reverse of the above procedure. Tighten the (4) bolts so that there is app. 1/6 inch compression on the rubber gasket. Then place the auger in the auger tube so that the tang on the auger lines up horizontally as shown with the auger coupler. The auger motor may have to be turned (you can spin the impeller by hand) so that the auger coupler slot is horizontal also. The nuts can be tightened side to side or top to bottom so that the auger coupler is centered in the auger tube and the auger slides into the slop without binding. You will want to make a complete turn of the auger coupler to see if the auger lines up both ways. If it does not, then the auger motor is not centered.

When the auger motor installation is complete, run the auger to determine if the auger motor is centered properly and there is not binding. If the auger binds as it turns, the auger motor will have to be adjusted on the rubber gasket so that it is aligned straight.