

AUGER SHAFT ASSEMBLY 3-50-00565

INSTALL INSTRUCTIONS

Replaces MPNs: 3-50-00565

Before Installing

- **ALWAYS** unplug the unit before beginning any work
 - Allow the unit to cool completely if recently used
 - Work in a well-lit area with proper tools
 - Ensure there are no pellets in the hopper assembly
-

Installation Steps

1. Disconnect Power

Unplug the stove from the power source

2. Access the Unit

Remove the rear access panel to access the feed assembly

3. Disconnect Wiring

Unplug the auger motor wiring leads from the wiring harness.

Tip: You can take a photo of the wiring connections as a reference for later.

4. Remove Auger Motor

For chain-driven feed systems

- Loosen the white tensioner block from under the chain to create slack
- Remove the left-side sprocket from the feed motor by loosening the 1/8" allen key screw in the hub of the drive sprocket.
- Remove the chain.

- Remove the auger motor from the mounting bracket

For direct drive systems (motor attached directly to the auger shaft)

- Locate the 7/16" motor set screw on the roller cam assembly and loosen it.
- Pull on the auger motor to uninstall the motor with the mounting frame attached.

5. Remove Old Auger Shaft

- Open the fines collection box access door and remove the collection box.
- Lift on the feed plate pusher arm to extend the feed plate out of the feeder body weldment and remove the feed plate.
- Sometimes the crossover hose may restrict the full motion of the pusher arm. If so, gently push the hose out of the way so that the pusher arm can be rotated up and fully to the left
- Locate the two 1/2" hex screws on the mounting ring that hold the auger shaft into the feeder weldment .
- Remove the two screws (different models have different ways in which these mounting screws fasten to the weldment)
- If nuts or threaded couplers are used, locate them and set them aside, they will be needed to secure the mounting ring again.
- Remove the mounting ring.
- Pull the old auger shaft from the feeder body.
- If the auger shaft is difficult to pull out, the shaft can be freed by striking the auger itself with a wooden dowel from inside the firebox. This will break the seal and allow the auger to come out freely.

6. Install New Auger Shaft

- Insert the new auger shaft into the feeder body in the same orientation as the old auger shaft.
- Secure the mounting ring back into the stove, If nuts or threaded couplers were removed prior, install them to secure the mounting ring.

- Tighten the two hex screws to a uniformed torque (equal tightness).
- Install the feed plate into the feeder body weldment
- Lower the feed plate pusher arm into position to secure the feed plate to the feeder body weldment.
- Install the fines collection box and close the access door.
- Install the cam set screw assembly on the auger shaft (with the secondary sprocket attached if your stove has a chain drive assembly).
- Reinstall the auger motor or sprocket assembly and connect to the auger shaft with the 7/16" set screw.
- Reinstall the drive sprocket and chain if you have a chain drive system and adjust the chain tensioner until the chain is taut.

7. Connect Wiring

Plug the auger motor wiring leads to the wiring harness using the same wiring connections as the old motor.

8. Final Assembly

Install the rear access panel removed prior

9. Connect Power

Plug the stove into the power source to test



Post-Installation Check

- Verify all connections are secure
- Ensure all wiring is not in proximity of moving parts
- Test motor operation before closing panels
- Check for any unusual noises or vibrations



Support

If you encounter any issues during installation, consult your owner's manual or contact technical support via our contact form.