

Harman 3-50-00465

Harman Auger Shaft Assembly (Part No. 3-50-00465) Instruction Manual

For 2008 & Earlier Harman Pellet Stove Models

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Harman Auger Shaft Assembly, Part Number 3-50-00465. This component is a genuine OEM Harman part designed to replace the auger shaft and bearing in compatible Harman pellet stoves manufactured in 2008 and earlier. The auger shaft is critical for feeding pellets from the hopper into the burn pot, ensuring proper stove operation.

2. COMPATIBILITY

This auger shaft assembly is compatible with the following Harman pellet stove models manufactured in 2008 and earlier:

- Accentra Freestanding (Pre serial # 008400001)
- Accentra Insert (Pre serial # 008240096)
- Advance (Pre serial # 008360001)
- Invincible Insert
- Invincible RS
- Invincible T
- Pellet Pro II
- P38, PP38, P38+ (Pre serial # 008080620)
- P61 (Pre serial # 008085055)
- P61A (Pre serial # 008085803)
- P68 (Pre serial # 008280309)
- PC45 (Pre serial # 008055950)
- PF100 (Pre serial # 008350087)
- XXV (Pre serial # 12871)
- 44 Magnum (Coal Stove)

Identification of Earlier Feed System: The earlier Harman feed system, compatible with this part, typically has a feeder body/sawdust clean-out access door measuring approximately 7 inches high x 4.5 inches wide. The newer UL feed system has an access door measuring approximately 5 inches high x 3.5 inches wide.

3. SAFETY INFORMATION

Always prioritize safety when performing maintenance or repairs on your pellet stove. Failure to follow safety guidelines can result in injury or damage to the appliance.

- **Disconnect Power:** Before beginning any installation or maintenance, ensure the pellet stove is completely unplugged from its power source.
- **Allow Cooling:** Ensure the stove has completely cooled down before handling any internal components.
- **Wear Protective Gear:** Wear appropriate personal protective equipment, such as work gloves and eye protection, to prevent injury.
- **Consult Professional:** If you are unsure about any step, consult a qualified technician or the manufacturer.

4. INSTALLATION

The Harman Auger Shaft Assembly (3-50-00465) is a complete unit, including both the auger shaft and its integrated bearing. This simplifies the replacement process.

1. **Preparation:** Ensure the stove is cool and disconnected from power. Access the auger assembly area of your pellet stove according to your specific model's service manual.
2. **Remove Old Assembly:** Carefully remove the existing auger shaft assembly. Note the orientation and any securing bolts or pins.
3. **Install New Assembly:** Insert the new Harman Auger Shaft Assembly into position. Ensure it aligns correctly with the auger motor and the pellet feed system.
4. **Secure Bolts:** Tighten down all securing bolts evenly to ensure the assembly is properly seated and aligned. Avoid over-tightening, which can cause stress on components.
5. **Reassemble:** Reassemble any covers or components that were removed to access the auger assembly.
6. **Test:** Once fully reassembled, reconnect power and perform a test run to ensure the auger feeds pellets smoothly and without unusual noises.



Image 1: Close-up view of the Harman Auger Shaft Assembly, highlighting the integrated bearing and the end of the shaft. This image shows the robust construction of the combined auger and bearing unit.



Image 2: Full view of the Harman Auger Shaft Assembly. This image illustrates the complete helical flighting of the auger shaft, designed to efficiently move pellets, along with the integrated bearing at one end.

5. OPERATING INSTRUCTIONS

The auger shaft assembly operates automatically as part of your pellet stove's fuel delivery system. Once installed, its function is to rotate and convey pellets from the hopper into the burn pot at a controlled rate, as dictated by the stove's control board. No direct user operation of the auger shaft itself is required beyond ensuring proper installation.

6. MAINTENANCE

Regular inspection of the auger shaft assembly can help identify potential issues before they lead to stove malfunction. Pay attention to any unusual noises during operation.

- **Visual Inspection:** Periodically inspect the auger shaft for any signs of wear, bending, or damage. Ensure the helical flighting is intact and free of obstructions.
- **Bearing Check:** Listen for any abnormal noises from the auger area. An intermittent squeak or high-pitched noise when the drive motor turns, especially under load, often indicates wear in the auger shaft bearing. Since this assembly includes an integrated bearing, replacement of the entire unit is typically required if the bearing fails.
- **Cleanliness:** Ensure the area around the auger shaft is free from excessive sawdust or pellet debris, which can impede its movement.

7. TROUBLESHOOTING

If you experience issues related to pellet feeding, consider the following:

- **Noisy Operation:** If you hear an intermittent squeak or high-pitched noise when the auger drive motor turns, particularly when under load, it is highly probable that the bearing on your auger shaft is worn. This indicates the need for replacement of the auger shaft assembly.
- **Pellet Feed Issues:** If pellets are not feeding consistently or at all, first check for obstructions in the hopper or auger tube. If no obstructions are present, and the auger motor is operating, the auger shaft itself may be damaged or the bearing may be seized.
- **Motor Operation:** Ensure the auger motor is receiving power and attempting to turn the shaft. If the motor is not operating, the issue may lie with the motor or the stove's control system, not the auger shaft assembly.

8. SPECIFICATIONS

Part Number:

3-50-00465

Type:

Auger Shaft Assembly (Auger Shaft and Bearing are one Complete Unit)

Manufacturer:

HHT (Harman)

Item Weight:

Approximately 2.46 pounds

Package Dimensions:

Approximately 10.51 x 2.28 x 1.69 inches

9. WARRANTY

This Harman Auger Shaft Assembly is covered by a 90-day manufacturer warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

10. SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Harman customer service or an authorized Harman dealer. When contacting support, please have your stove model and serial number, as well as the part number (3-50-00465), readily available.