

# Furnace Canister Replacement Instructions



## Furnace Part Identification

- #1 (QTY. 4) Carriage Bolts
- #2 (QTY. 2) Eyebolts
- #3 (QTY. 1) Wing Nut
- #4 (QTY. 2) Pipe Clamp Nuts
- #5 (QTY. 3) Sheet Metal Screws

## Instructions

1. Put on some gloves until this project has been completed, because sheet metal can be very sharp and it will cut you.
2. Remove the furnace lid.
3. Although not indicated on the illustration, remove the lock washers and nuts for furnace parts #1 (carriage bolts) and #2 (eyebolts), from the backside of the furnace lid reinforcement plate, thus allowing furnace parts #1 and #2, to also be removed. Set the hardware and the furnace lid reinforcement plate aside for reuse.
4. Remove furnace part #3 (wing nut) and although not indicated on the illustration, also remove the lock washer and machine screw. This hardware can be discarded, because these parts are provided with the replacement canister.
5. Loosen furnace parts #4 (pipe clamp nuts) just enough to allow the blower pipe to move freely. Move the blower pipe away from the furnace canister.
6. Remove furnace parts #5 (sheet metal screws) from around the perimeter of the furnace canister and discard.
7. While stepping on the furnace base, grab the upper portion of the old canister and pull upward to remove it from the base and crucible support plate.
8. While grasping the upper portion of the new canister, with minimal force, push the canister downward, gently forcing it over the crucible support plate, until it contacts the base plate.
9. Push the blower pipe toward the canister until it makes contact.
10. Rotate the canister until the blower pipe can be secured, with a new machine screw, lock washer and wing nut.
11. Retighten the pipe clamps.
12. Secure the canister to the base, by screwing in the new sheet metal screws around the perimeter.
13. Reconstruct the lid with the new canister lid, the lid reinforcement plate, and the saved hardware.