

WIRING HARNESS 3-20-08727

INSTALL INSTRUCTIONS

Replaces MPNs: 3-20-8727

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
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Installation Steps

1. Unplug the unit.
2. Remove the rear access panel
3. Disconnect the old wiring harness from all the connected components starting from the control board. (Take note of the orientation of the connector on the control board). Removal of some or all of the connected components may be necessary to remove the wiring harness.
4. Connect the new wiring harness to both the control board and the components. Please refer to the Color Index below for details on connections.
 - If any components were initially removed, please connect the wiring harness to these components and then remount the components back in their original position(s).
5. Reattach the rear access panel.
6. Plug in the unit to test.

Color Index

Harman uses dedicated common wires (white wires) for all components with home runs to the control board. Components are turned 'OFF' and 'ON' by

internally switching the signals at these wires. All of the white wires correspond to the colored wires respectively. Starting from the brown wire in the main molex connector Position 1:

- Position 1 - Brown - Power IN - Connects to black wire on power cord
- Position 2 - White - Common IN - Connects to white wire on power cord
- Position 3 - White - Distribution Blower
- Position 4 - White - Combustion Blower
- Position 5 - White - Pressure Switch
- Position 6 - Yellow - Igniter
- Position 7 - Blue - Distribution Blower
- Position 8 - Red - Combustion Blower
- Position 9 - Black - Auger Lead

The following wires are not positioned in the main molex connector, but divert from certain wires in the wiring harness.

- Double Light Blue Wire - connects to pressure switch
- Single Light Blue Wire - (1) Connects to igniter, (2) Connects to Auger

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](#).