



## *AES Technical Bulletin*

### **Cold Air Return**

**Product models covered:** Magnum 7500 & 6500 furnaces.

**Topic:** This technical bulletin will be addressing a cold air return for both Magnum furnaces, problems that could arise if not installed, and how repairs are handled so that normal operation can be resumed.

#### **Problems:**

If you do not install a cold air return many problems could arise such as the following;

- A high limit failure under certain conditions.
- The room air fan will shut the unit off over time because of improper restriction on the blower.
- Improper heat exchanging that could trip the high limit sensor or low limit sensor over time.

#### **Repairs:**

Always make sure a cold air return is installed to the furnace. Magnum furnaces require balanced ductwork or the safety equipment installed on them will shut the unit down, the unit has to have proper static pressure.

This is a requirement; the appliance will not perform properly if a cold air return is not installed.

This is not a defect of the unit, but from incorrect installation and venting. Always make sure the appliance is properly installed and vented. Follow the guidelines recommended in the owner's manual and contact your local dealer or service technician for service.

