

Control wiring diagrams

Figure 12: Standard MS HP - Premium ECM AHU

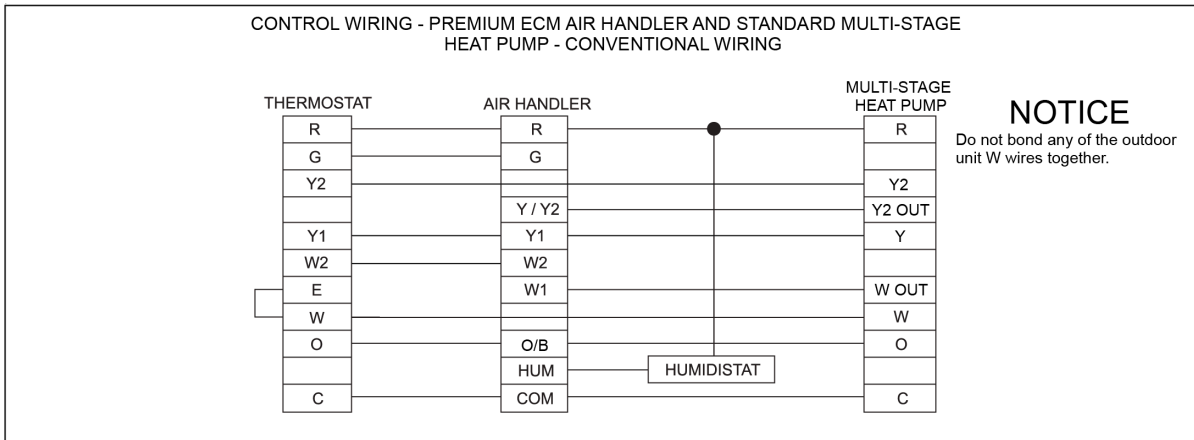


Figure 13: Standard MS HP - Premium ECM Gas Furnace

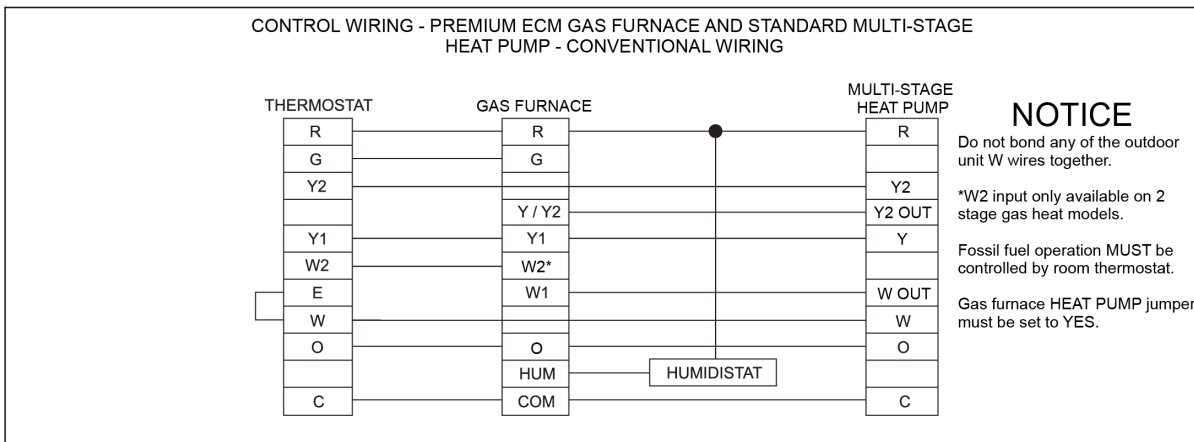


Figure 14: Standard MS HP - Standard ECM AHU

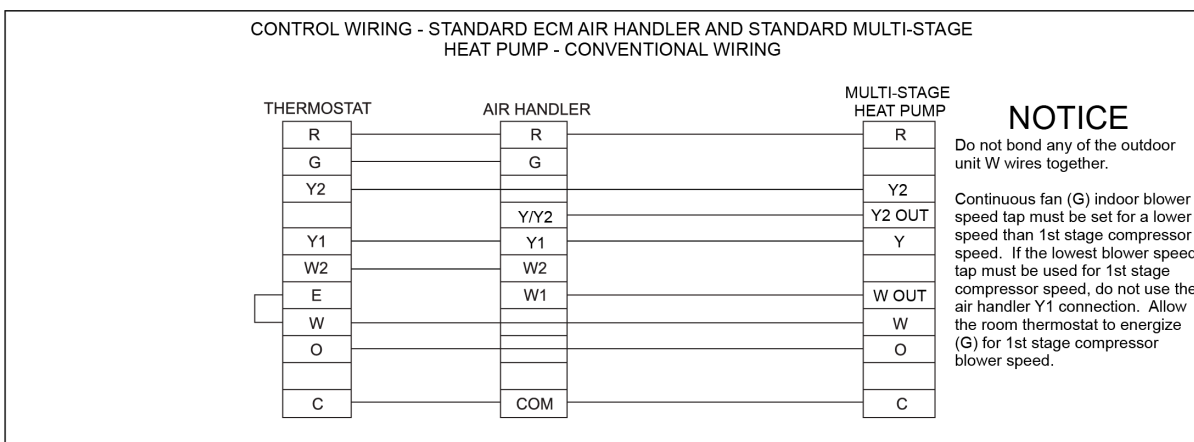
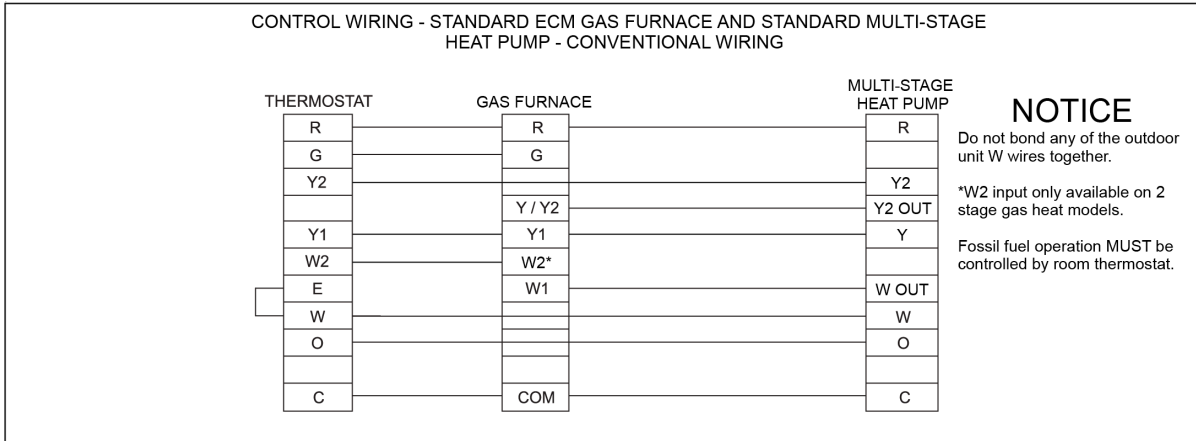
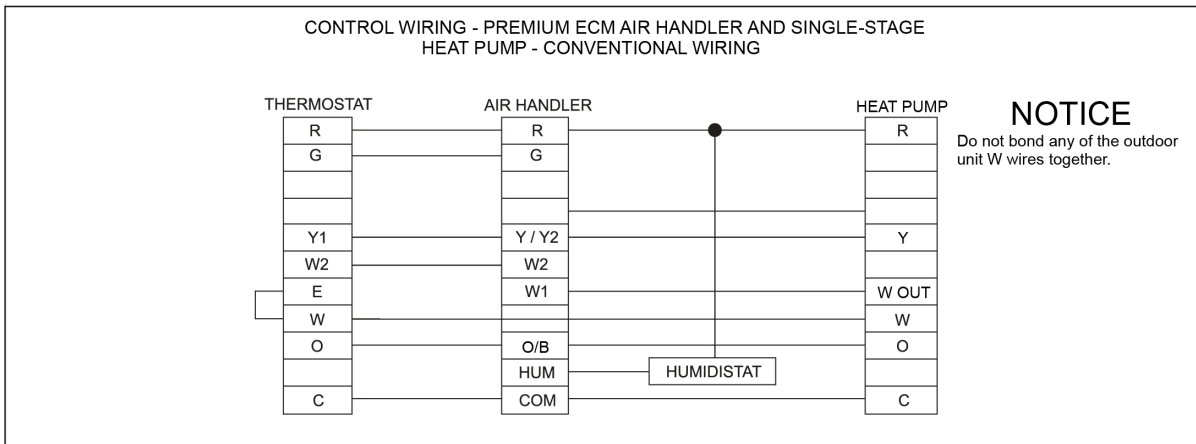


Figure 15: Standard MS HP - Standard ECM Gas Furnace



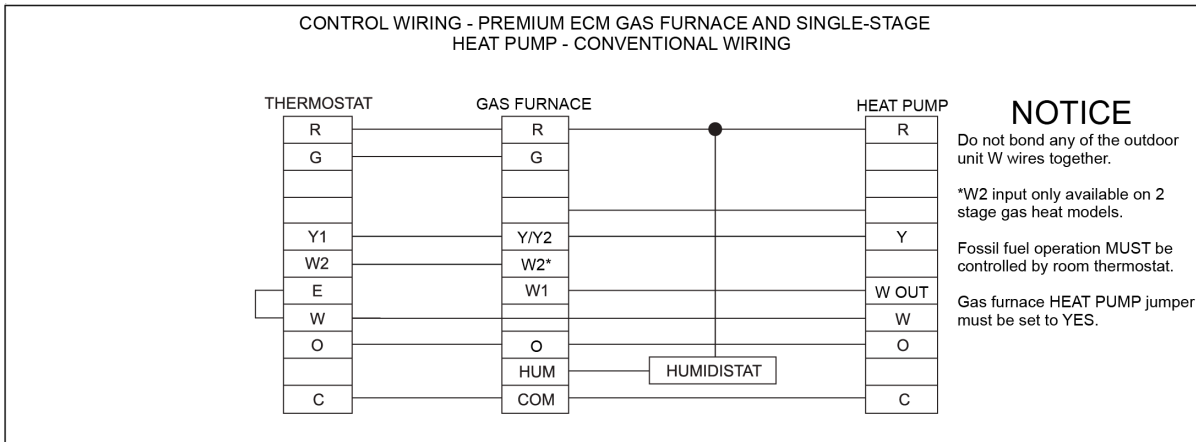
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Figure 16: Standard SS HP - Premium ECM AHU



A1752-001

Figure 17: Standard SS HP - Premium ECM Gas Furnace



A1753-001

Figure 18: Standard SS HP - Standard ECM AHU

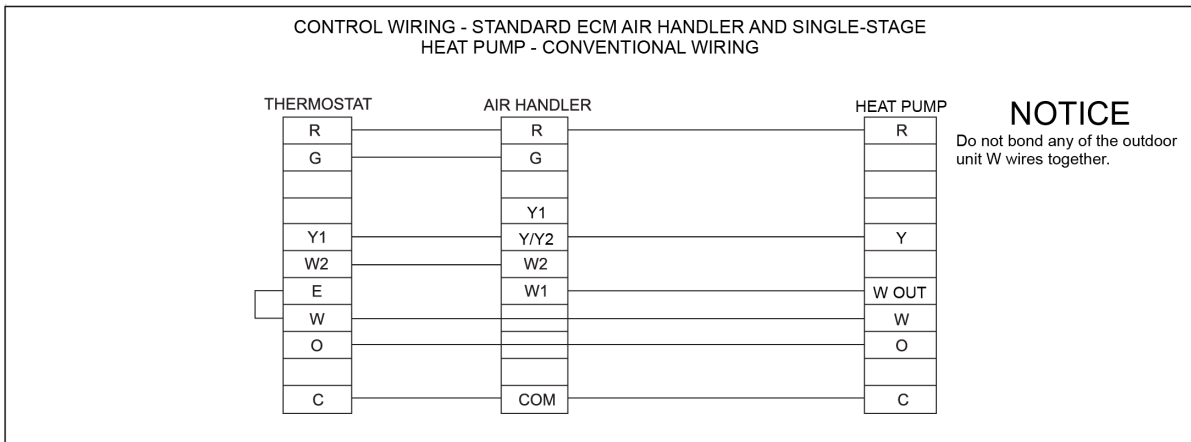
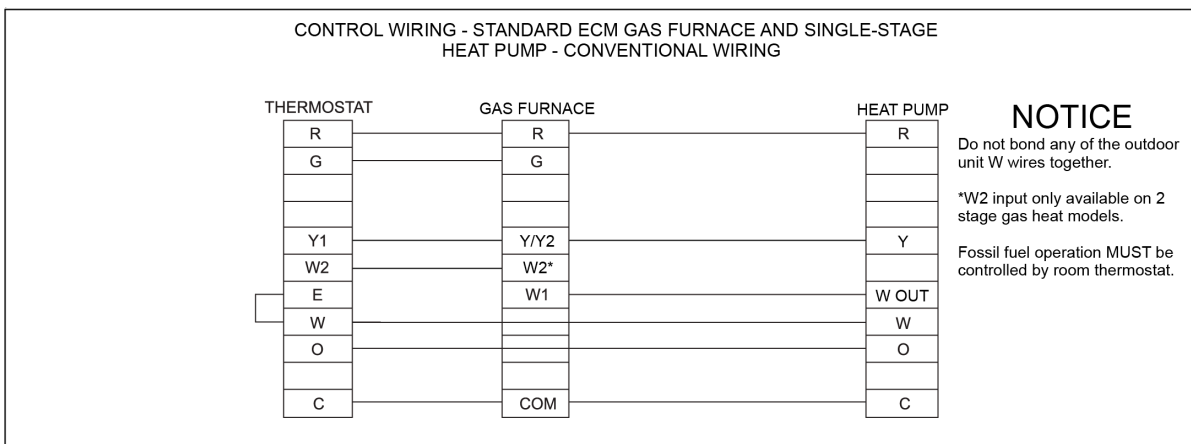


Figure 19: Standard SS HP - Standard ECM Gas Furnace



Dehumidification control (typical)

The indoor unit *Installation Manual* for the air handler or furnace describes the interface with the outdoor heat pump. A dehumidification control accessory SI-2HU16700124 may be used with variable speed air handlers or furnaces in high humidity areas. This control works with the variable speed indoor unit to provide cooling at a reduced air flow, lowering evaporator temperature and increasing latent capacity. The humidistat in this control opens the humidistat contacts as the humidity increases. Installation instructions are packaged with the accessory. Before the installation of the dehumidification control, the humidistat jumper must be set to **YES** on the indoor variable speed air handler or furnace control board.

During cooling, if the relative humidity in the space is higher than the desired set point of the dehumidification control, the variable speed blower motor operates at a lower speed until the dehumidification control is satisfied. Aim for a 40-60% relative humidity level to achieve optimum comfort.

If a dehumidification control is installed, it is recommended that a minimum air flow of 325 CFM/ton be supplied at all times.

Indoor cubic feet per minute (CFM) settings (typical)

Refer to the indoor unit *Installation Manual* instructions for the air handler or furnace interface with the outdoor heat pump. Refer to the outdoor *Technical Guide* for the indoor airflow settings of each specific heat pump. For the system to operate correctly, ensure that the indoor CFM selection is correct.