

Hi-Velocity Systems™ Installation Check List

Ensure that all electrical connections are tight, and that any packing or shipping restraints are removed from both the fan coil, and the outdoor unit. With the power to the condensing unit off, check the thermostat for normal operation, and again check that there is proper airflow from all the vents. Ensure that no branch ducts were damaged or bent sharply. Do not run the fan coil without a filter in place.

Observe the system pressures during the initial start-up and charging of the system. Check the voltage and amp draw of both the fan coil, and the outdoor unit. The voltages must be within 10% of the rating plate data. If more than 10% is noted, contact your local electrical company. Check that the amp draws of both units are within the information printed on the unit rating plates. Set the system charge and adjust the TXV setting according to the RPM-E Installation Module.

FLEXIBLE DUCT

___ Ensure Rough-In Boots located in unconditioned spaces are properly sealed and vapour barriered.

___ Ensure no Flex runs are shorter than 10' (3.05m) or longer than 25' (7.62m).

___ Ensure no Flex duct is crushed or torn.

___ Ensure proper bend radius in flex duct.

___ Ensure all Flex connections are secured and sealed at the plenum and Rough In Boot.

___ Ensure vent plate is properly connected to the rough in boot, using a vent extender kit if necessary.

___ Ensure flex connections are not kinked at plenum.

___ Ensure all outlet dampers are fully open, and unobstructed.

___ Ensure all vent caps have been cut out.

SUPPLY PLENUM

___ Ensure no flex duct is used for supply plenum.

___ Ensure **a minimum** 18" (457mm) of straight plenum off fan coil (no elbows, tees, outlets, etc.)

___ Ensure plenum and all connections are sealed (elbows, tee's, end caps, etc.)

___ Ensure proper system balancing is maintained if Tee's have been used in Plenum.

___ Ensure all duct and components in unconditioned space are insulated with a vapour barrier.

FAN COIL

___ Ensure motor, blower, and coil(s) are free of dirt, drywall dust, etc.

___ Ensure return air opening has been cut in fan coil.

___ Ensure minimum clearances are met for maintenance accessibility.

COOLING COIL (IF APPLICABLE)

___ Ensure condensate line is vented with a P-trap. (WCM/WM Coils)

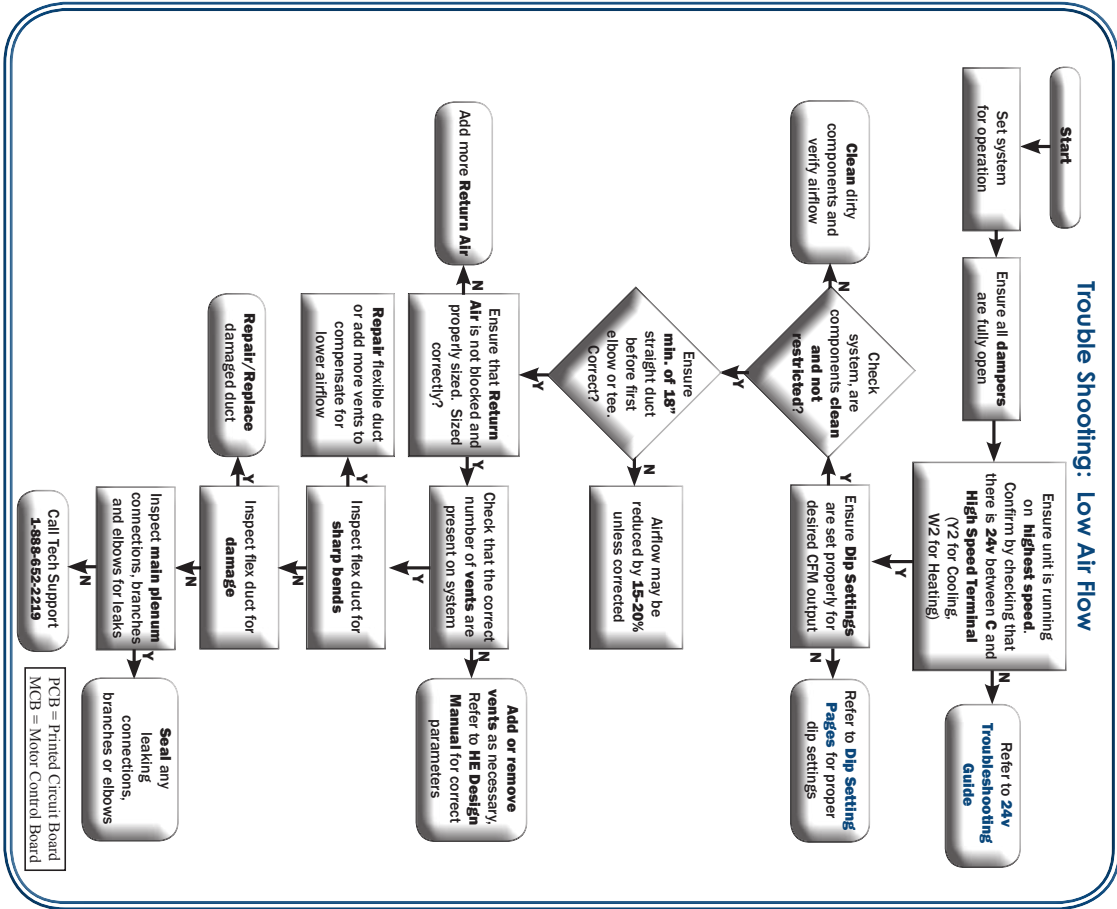
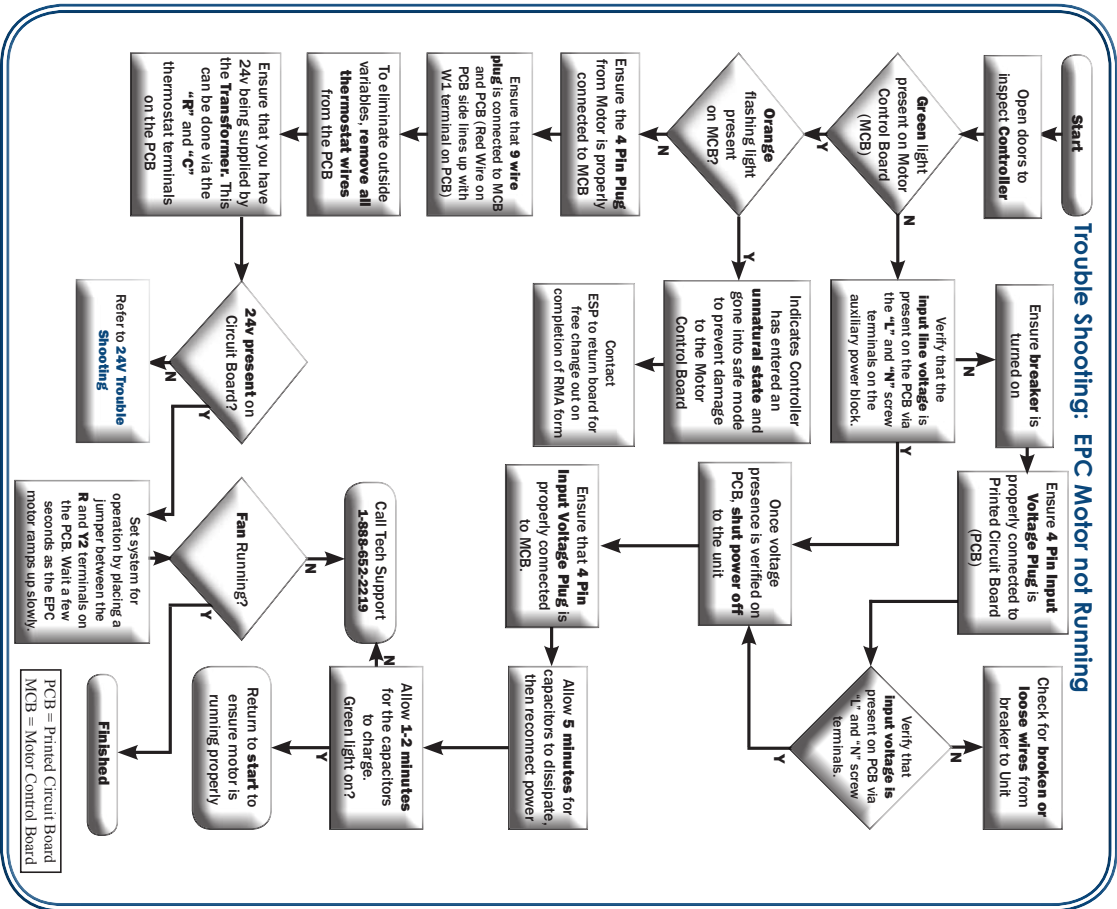
___ Ensure proper slope has been maintained in condensate line for drainage.

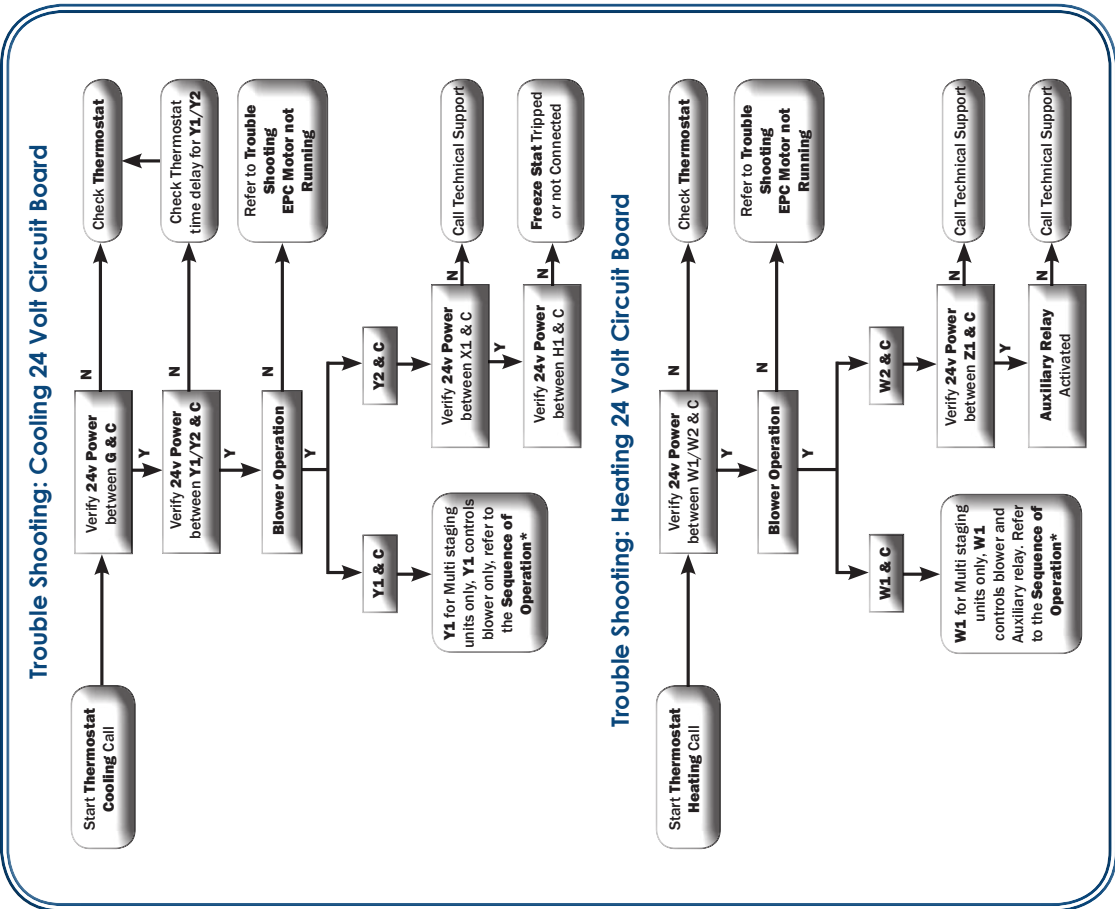
RETURN AIR

___ **Ensure correct size return is used** and securely connected.

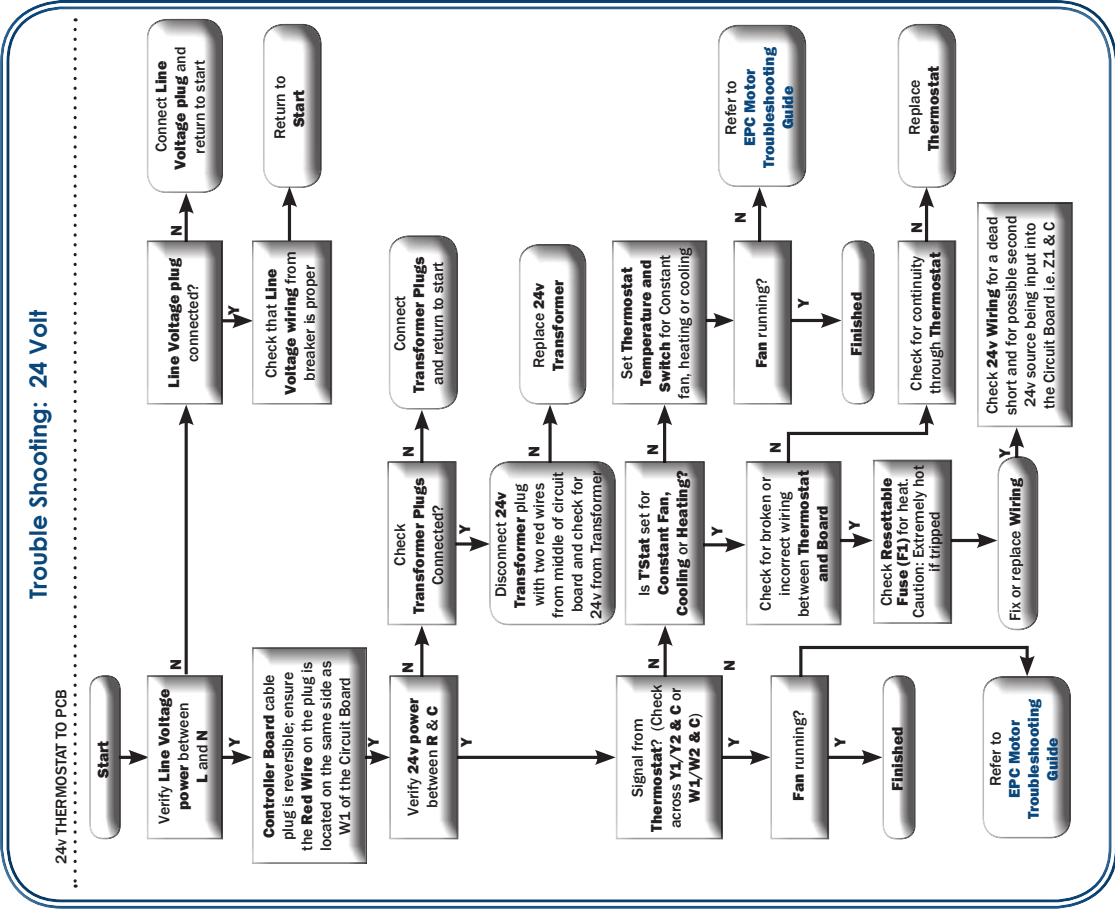
___ Ensure filter is installed before fan coil or cooling module if applicable.

IN THE EVENT OF DIFFICULTY DURING THE START-UP PROCEDURE, PLEASE REFER TO THE TROUBLE SHOOTING FLOW CHARTS TO ASSIST YOU IN DETERMINING THE PROBLEM.

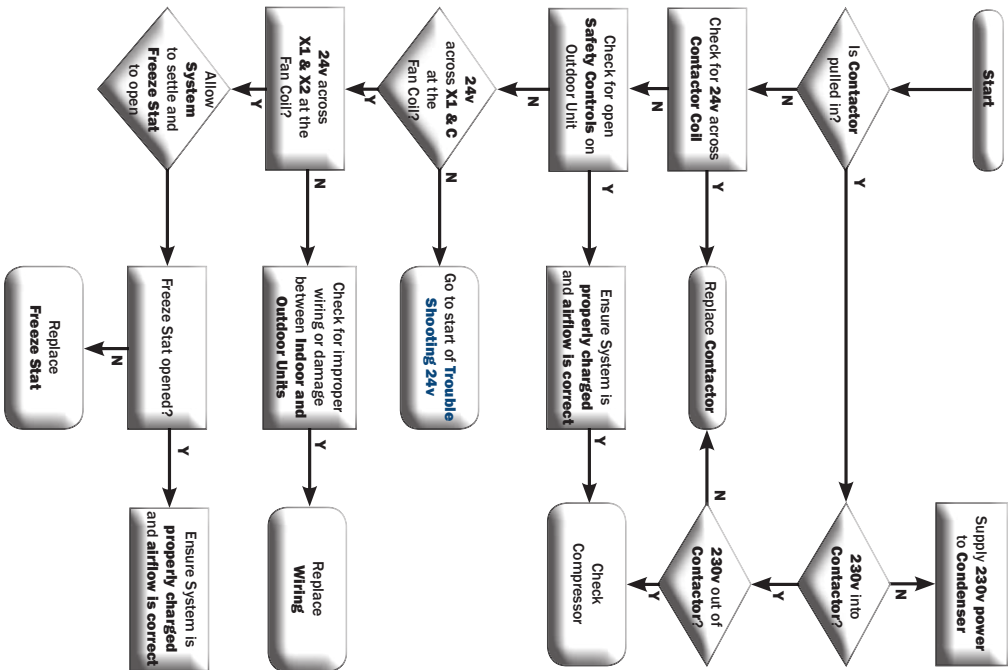




*Sequence of Operation Page is located on Pg 24 of the HE Installation Manual, and online at www.hi-velocity.com (Module WIR - Wiring and Dip Settings)



Trouble Shooting: Outdoor Unit - Electrical



Trouble Shooting: Short Cycling

