

## Coleman Mach 1, 3, 3+, 10, 15 Installation Instructions

- 1) Locate White Compressor wire on the Compressor and follow to electrical box Run Capacitor “C” terminal. Disconnect and splice White wire connection to the Brown ICM soft start wire.
- 2) Connect Red ICM soft start wire to the location of the previous White Compressor wire terminal on the Run Capacitor “C” terminal.
- 3) Locate Start Capacitor and Disconnect the Red and Yellow (or White) wire coming from the Start Capacitor.
  - a. Some Coleman models have a Start Relay, in these cases, remove the Yellow wire from the Start Capacitor and then the Red wire coming from the Start Relay.
  - b. The ICM soft start effectively replaces the Start Capacitor, allowing for the total removal of the Start Capacitor and Start Relay. Though it is not entirely necessary.
- 4) Connect Blue soft start wire to the “H” terminal on the Run Capacitor.
- 5) **IF** there is an extra Reversing Valve connection wire going into the Start Capacitor, route the extra wire into the “C” terminal of the Run Capacitor.
- 6) Locate the 3<sup>rd</sup> wire coming out of the Compressor overload switch (may be Blue or Black) and follow it to the Start Relay where it connects to the terminal with a Purple wire. Disconnect both wires and 3-way splice them with the final Black ICM soft start wire.

Depending on the Coleman model you have, the only differing piece of instructions would come when connecting the Black soft start wire.

**Important to note:** Some AC units have a freeze switch. The Black (of Blue) wire from the Compressor goes into this switch and only an orange and brown wire route back into the electric box. The Purple power wire will connect with the brown wire that comes from the switch in these systems. Make your connection either at the junction of the Brown and Purple wire or anywhere convenient in the Brown wire from the switch.

**Important to note:** Some AC units may have a freeze sensor board inside the electrical box. The Purple power wire and the Black Compressor wire would not join at a splice in these. In this case, splice the Black soft start wire and the Black (or Blue) Compressor wire anywhere convenient.

**Important to note:** In the Mach 8 low profile modes, a connection for the Black soft start wire may already exist on the same terminal as the Purple power wire, if not, 3-way splice the wires as original instructions.