



C515 WSHP Generic Replacement Instructions

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C515 WSHP Generic Replacement



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Introduction

1. Kit Contains 1CSIS controller and 4 nylon mounting clips and instructions
2. C515 is intended to replace the following controllers, 056792401K, 056792402K, 60638801, and 60638804.
3. Board is shipped set up for 24VAV reversing valve solenoid. For DC Solenoid move jumpers as shown on Page 2.

How to replace the board.

1. Turn the Power OFF
2. Remove the old board and make sure you note where all the wires land. Install the new board and wire it exactly the same.
3. Turn the power ON, green LED in center of board turns on to indicate power.

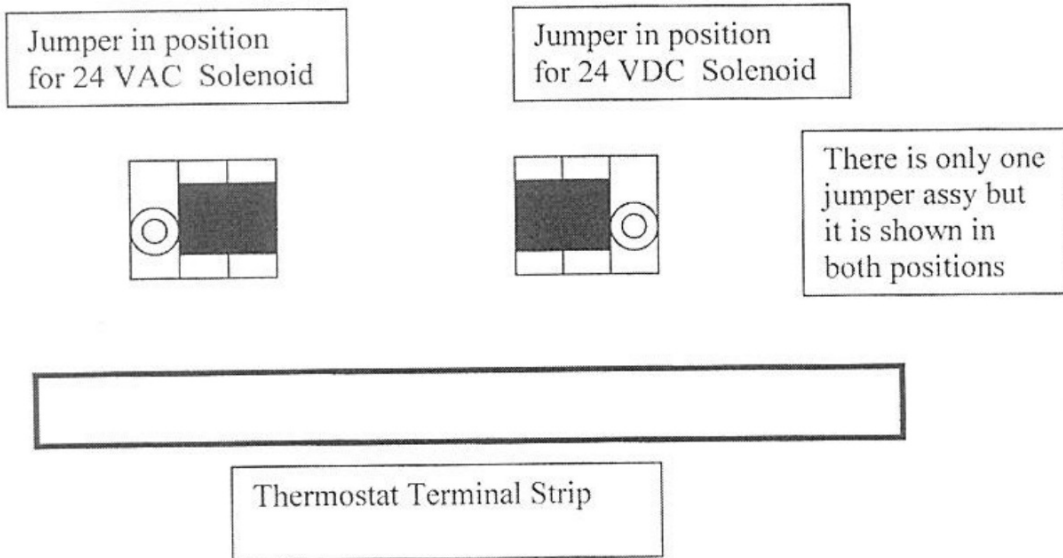
Differences between the C515 and the McQuay Mark IV

1. The CSIS only moves the RV when there is a change of State to either heat or cool
2. The CS15 has no fault priority the first fault is the fault displayed
3. The CS15 has an anti short cycle of 5 minutes plus a random start of 5 to 70 seconds, Mark IV restarts between 180 and 212 seconds.
4. The C515 has both low and high voltage protection, the Mark IV has low voltage only. High voltage trips at 31 VAC resets at 30VAC.
5. CSIS will not run if you ask it to Cool and Heat at the same time- Indicated by turning on both HP and LP. Fault lights. Mark IV will turn heat ON
6. Remote Reset on the C515 is achieved by opening closing the "R" terminal, the Mark IV resets by connecting between Rand O for 10 seconds. ·
7. Reset of lockouts, C515 resets after 10 minutes if faults are cleared, if a subsequent faults happens in the next 30 minutes it goes to hard lockout. The Mark IV will go to hard lockout if 3 faults occur in 24 hours.
8. Indicator Light Differences between the C515 and original board as per the table below. The modes that are different are bold, italic and underlined

Mode	Stat us LED’ s						Fault Output Terminal A	
	Mark IV			C515				
	Yellow	Green	Red	Yellow	Green	Re d	Mark IV	(515
Occupied	OFF	ON	OFF	OFF	ON	OFF	Not Act ive	Not Act ive
Unoccupied	ON	ON	OFF	ON	ON	OFF	Not Active	Not Active
1 Load Sh ed	OFF	OFF	ON	OFF	OFF	ON	Not Active	Not Active
Condensate	ON	DIM	OFF	ON	DIM	OFF	Active	Active
Hi/LO Press	OFF	OFF	FLAS H	OFF	OFF	FLASH	Active	Active
Low Temp	FLASH	OFF	OFF	FLASH	OFF	OFF	Active	Active
Low Volt	OFF	FLASH	OFF	OFF	FLASH	OFF	Active	Active-Alt
ESD	OFF	FLASH	OFF	OFF	FLASH	OFF	Active	Not Active
Power ON	–	–	–	Green LED at center of board is ON			–	–
YI & WI Call	–	–	–	OFF	OFF	FLASH	Not Active	Active

Selecting the C515 board to operate as a 24V AC coil or a 24 VDC coil

1. Locate the jumper, adjacent to the COF-(condensate) tenninal
2. See chart below for concct jumper location.
3. When the coil is DC note polarity RV is +24 VDC, RV- I is -24 VOC.



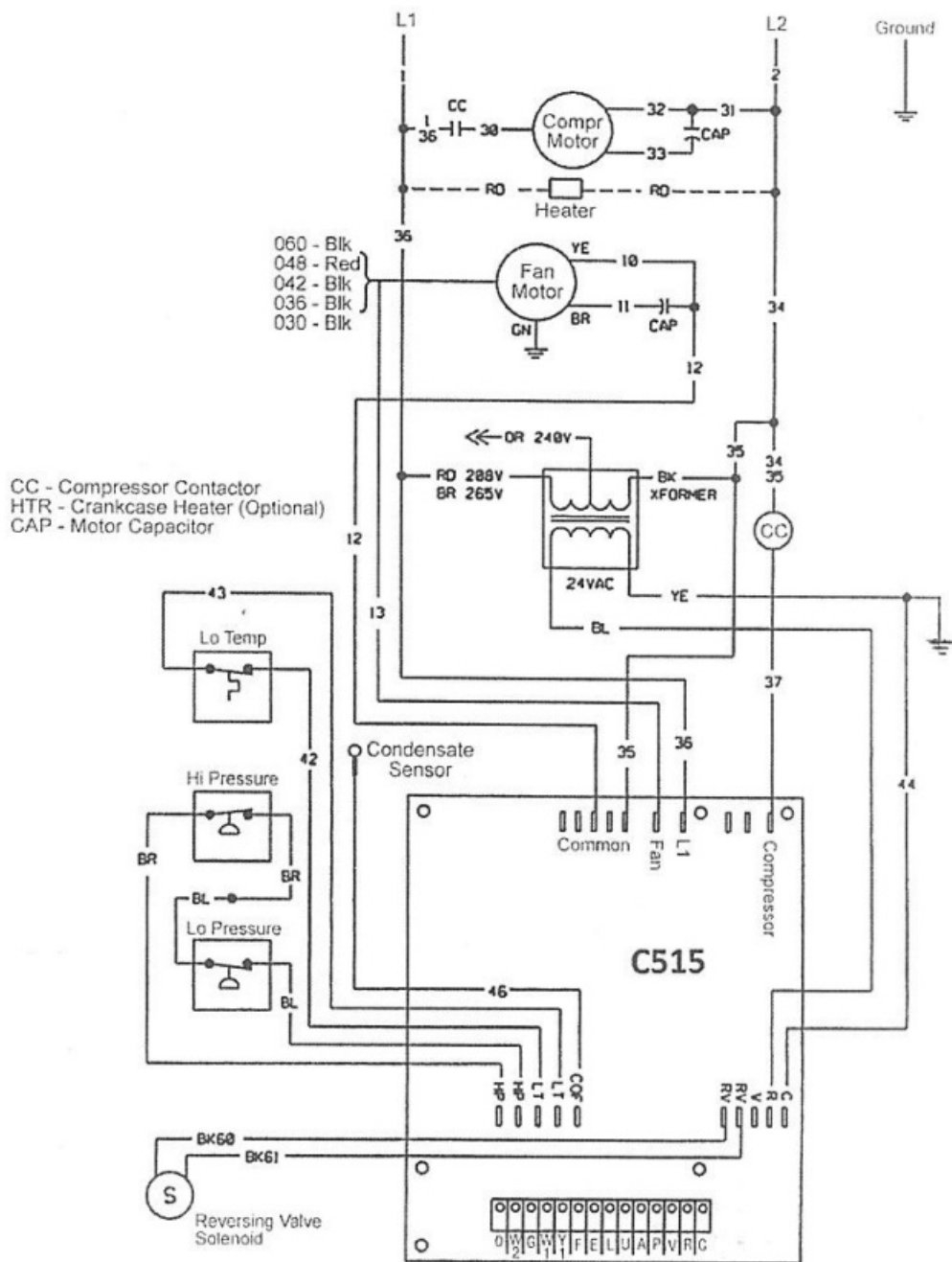
Other minor differences in the two boards.

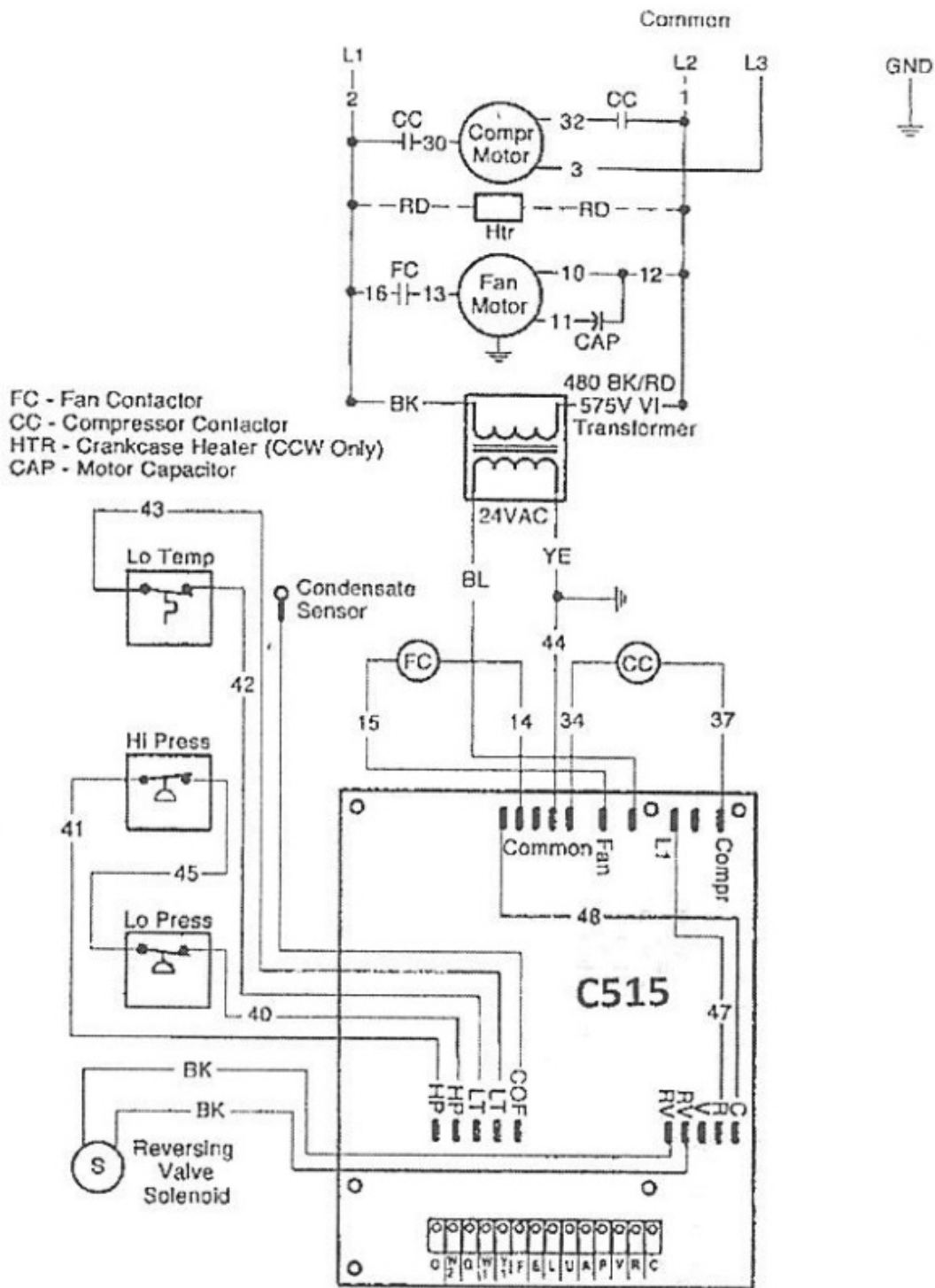
Fan Operation Cooling Mode, the Mark IV starts the fan and the compressor at the same time. The CS 15 starts the fan 30 seconds before the compressor starts and stops the fan 30 seconds after the compressor stops, this helps reduce the start stop sound level.

WI (Heating) and VJ (Cooling), In the event that you get a demand for heat and cool at the same time the mark IV will always go to heat. The CS 15 will lockout the unit and flash the Red LED.


Wiring the C515 control board to a typical single phase McQuay unit.

Refer to actual wiring diagram for complete information





Documents / Resources

	<p>hp C515 WSHP Generic Replacement [pdf] Instructions C515 WSHP Generic Replacement, C515, WSHP Generic Replacement, Generic Replacement, Replacement</p>
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