

# EXAMPLES FOR WIRING THE Turbo200X

**EXAMPLE:** To replace a 60 + 10 microfarad Dual-Value Capacitor:

**BEFORE YOU START:** Make note of where the wires are attached to the fan motor (F), common (C), and compressor (Herm) terminals of the capacitor being replaced.

**STEP 1:** To achieve the 60.0 microfarad for the compressor (HERM) - using one (1) supplied jumper wire, connect the 50 + 10. This will equal 60 microfarad.

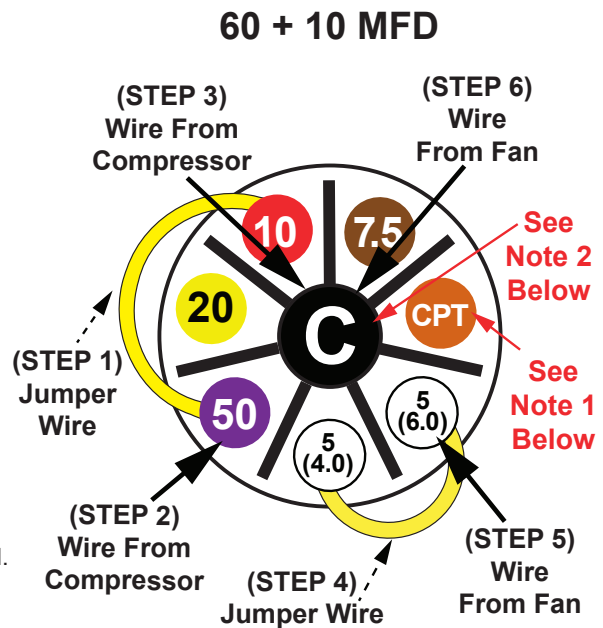
**STEP 2:** Connect one of the wires from the compressor to the 50 microfarad terminal.

**STEP 3:** Connect the other wire(s) from the compressor to the common (C). [The common is the center black terminal].

**STEP 4:** To obtain the 10.0 microfarad for the fan (F), using one (1) supplied jumper wire connect the 5(4) + 5(6). This will equal 10 microfarad.

**STEP 5:** Connect one of the fan wires to the 5(6) microfarad terminal.

**STEP 6:** Connect the other wire from the fan motor to the common (C). [The common is the center black terminal].



**EXAMPLE:** To replace a 80 + 12.5 microfarad Dual-Value Capacitor:

**BEFORE YOU START:** Make note of where the wires are attached to the fan motor (F), common (C), and compressor (Herm) terminals of the capacitor being replaced.

**STEP 1:** To achieve the 80.0 microfarad for the compressor (HERM) - using two (2) supplied jumper wires, **A** connect the 50 + 20, then **B** connect the 20 + 10. This will equal 80 microfarad.

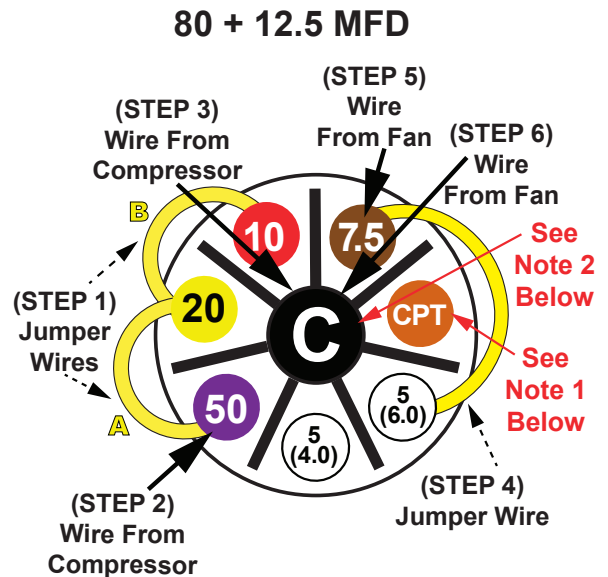
**STEP 2:** Connect one of the wires from the compressor to the 50 microfarad terminal.

**STEP 3:** Connect the other wire(s) from the compressor to the common (C). [The common is the center black terminal].

**STEP 4:** To obtain the 12.5 microfarad for the fan (F), using one (1) supplied jumper wire connect the 5(6) + 7.5. This will equal 12.5 microfarad.

**STEP 5:** Connect one of the fan wires to the 7.5 microfarad terminal.

**STEP 6:** Connect the other wire from the fan motor to the common (C). [The common is the center black terminal].



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**NOTE 1:** When using a hard-start kit in conjunction with the Turbo200X Universal Motor-Run Service Capacitor, equipped with an Orange (CPT) Terminal, place one wire of the hard-start onto the Orange (CPT) Terminal and the other wire of the hard-start onto the terminal with the highest microfarad value for the HERM side.

**NOTE 2:** Not all installations have two (2) wires connected to the common as shown in the illustrated examples. In some installations there is only one (1) wire which is common to the compressor and fan motor.



For Technical Questions or Support  
800-445-6033 / 386-445-6000 (Days)

**TO VIEW ANY OTHER VALUES GO TO:**  
[www.turbo200xinstall.com](http://www.turbo200xinstall.com)



**MOST POPULAR DUAL-VALUE COMBINATIONS**  
**TURBOS HAVE DUAL VOLTAGE RATINGS --- 370VAC OR 440VAC**

All values in microfarads (mfd's)

REQUIRED VALUE	TERMINAL	
	Herm	Fan
20 / 4	20	5(4)
20 / 5	20	5(6)
20 / 6	20	5(6)
20 / 7.5	20	7.5
20 / 10	20	10
20 / 12.5	20	7.5+5(6)
20 / 15	20	10+5(6)
25 / 4	25	5(4)
25 / 5	25	5(6)
25 / 6	25	5(6)
25 / 7.5	25	7.5
25 / 10	25	10
25 / 12.5	25	7.5+5(6)
25 / 15	25	10+5(6)
30 / 4	20+10	5(4)
30 / 5	20+10	5(6)
30 / 6	20+10	5(6)
30 / 7.5	20+10	7.5
30 / 10	20+5(6)+5(4)	10
30 / 12.5	20+10	7.5+5(6)
30 / 15	20+7.5+5(6)	10+5(4)
35 / 4	20+10+5(6)	5(4)
35 / 5	20+10+5(6)	5(4)
35 / 6	20+10+5(4)	5(6)
35 / 7.5	20+10+5(6)	7.5
35 / 10	20+10+7.5	5(6)+5(4)
35 / 12.5	20+10+5(6)	7.5+5(4)
40 / 4	20+10+7.5+5(6)	5(4)
40 / 5	20+10+7.5+5(4)	5(6)
40 / 6	20+10+7.5+5(4)	5(6)
40 / 7.5	20+10+5(6)+5(4)	7.5
45 / 4	50	5(4)
45 / 5	50	5(6)
45 / 6	50	5(6)
45 / 7.5	50	7.5
45 / 10	50	10
45 / 12.5	50	7.5+5(6)
45 / 15	50	10+5(6)
50 / 4	50	5(4)
50 / 5	50	5(6)
50 / 6	50	5(6)
50 / 7.5	50	7.5
50 / 10	50	10
50 / 12.5	50	7.5+5(6)
50 / 15	50	10+5(6)
55 / 4	50+5(6)	5(4)
55 / 5	50+5(4)	5(6)
55 / 6	50+5(4)	5(6)
55 / 7.5	50+5(4)	7.5
55 / 10	50+5(4)	10
55 / 12.5	50+5(4)	7.5+5(6)
55 / 15	50+5(4)	10+5(6)

All values in microfarads (mfd's)

REQUIRED VALUE	TERMINAL	
	Herm	Fan
60 / 4	50+10	5(4)
60 / 5	50+10	5(6)
60 / 6	50+10	5(6)
60 / 7.5	50+10	7.5
60 / 10	50+10	10
60 / 12.5	50+10	7.5+5(6)
60 / 15	50+10	10+5(6)
65 / 4	50+10+5(6)	5(4)
65 / 5	50+10+5(4)	5(6)
65 / 6	50+10+5(4)	5(6)
65 / 7.5	50+10+5(6)	7.5
65 / 10	50+7.5+5(6)+5(4)	10
65 / 12.5	50+10+5(6)	7.5+5(4)
70 / 4	50+20	5(4)
70 / 5	50+20	5(6)
70 / 6	50+20	5(6)
70 / 7.5	50+20	7.5
70 / 10	50+20	10
70 / 12.5	50+20	7.5+5(6)
70 / 15	50+20	10+5(6)
75 / 4	50+20+5(6)	5(4)
75 / 5	50+20+5(4)	5(6)
75 / 6	50+20+5(4)	5(6)
75 / 7.5	50+20+5(4)	7.5
75 / 10	50+20+5(4)	10
75 / 12.5	50+20+5(4)	7.5+5(6)
75 / 15	50+20+5(4)	10+5(6)
80 / 4	50+20+10	5(4)
80 / 5	50+20+10	5(6)
80 / 6	50+20+10	5(6)
80 / 7.5	50+20+10	7.5
80 / 10	50+20+5(6)+5(4)	10
80 / 12.5	50+20+10	7.5+5(6)
80 / 15	50+20+7.5+5(4)	10+5(6)
85 / 4	50+20+10+5(6)	5(4)
85 / 5	50+20+10+5(4)	5(6)
85 / 6	50+20+10+5(4)	5(6)
85 / 7.5	50+20+10+5(6)	7.5
85 / 10	50+20+10+5(6)	10
85 / 12.5	50+20+10+5(4)	7.5+5(6)
90 / 4	50+20+10+7.5+5(6)	5(4)
90 / 5	50+20+10+7.5+5(4)	5(6)
90 / 6	50+20+10+7.5+5(4)	5(6)
90 / 7.5	50+20+10+5(6)+5(4)	7.5



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