



INSTRUCTION TO SERVICE

ITS: 6216	
SECTION:	549 HVAC
WRITTEN BY:	Scott Geier
SUBJECT:	R & R Defroster Heater Blower Resistor

ITS6216

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NOTE: This procedure was written based off MCC retrofit instructions P/N: T66-0028.

Tools required: Flat screw driver, Phillips screw driver, 5/16 socket and ratchet, 1/8" dia. drill bit and drill, Plastic tie wrap cutter.

PROCEDURE:

1. Turn the main battery disconnect switch to the "OFF" position.
2. Locate the Heater/Defroster unit located in front of the vehicle behind the exterior door panel.
3. Remove the front cover by unlocking three oval slotted screws located on the upper side of the cover.

Caution: Ensure all surfaces are sufficiently cool. Be aware of the coil fins as they are sharp and can be easily bent.

4. Disconnect wire harness from blower.
5. Remove blower and bracket assembly by removing two bolts using 5/16 socket and ratchet. (See Figure 1)

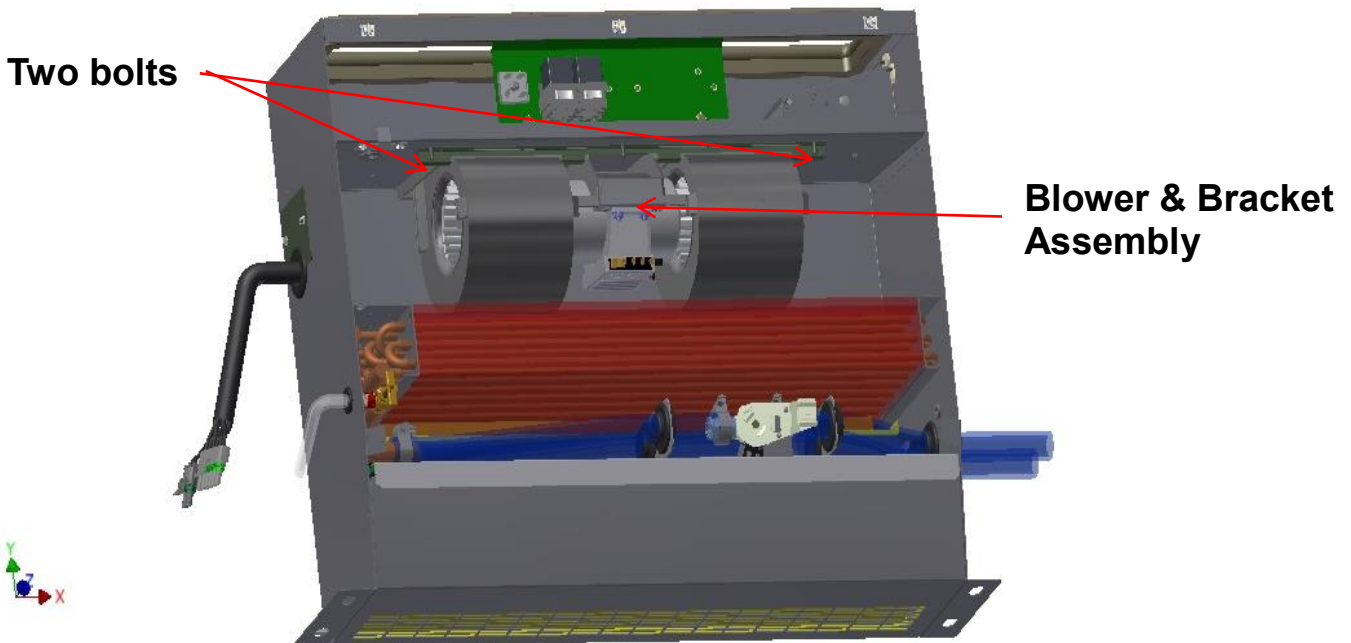


Figure 1: Defroster Assembly



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6. Replace the existing aluminum resistor with the new resistor (MCC PN T25-3739) provided in the kit.
7. Add new resistor assembly (MCC PN T25-3667) provided in the kit by drilling four 1/8" DIA holes. (See Figure 2 for mounting holes dimensions).
8. Secure the resistors using the # 4 – 40 X 1.5 screws and # 4 – 40 nuts provided in the kit.

NOTE: Apply the heat sink compound (provided in the kit) to the backside of the resistors before attaching them to the case.

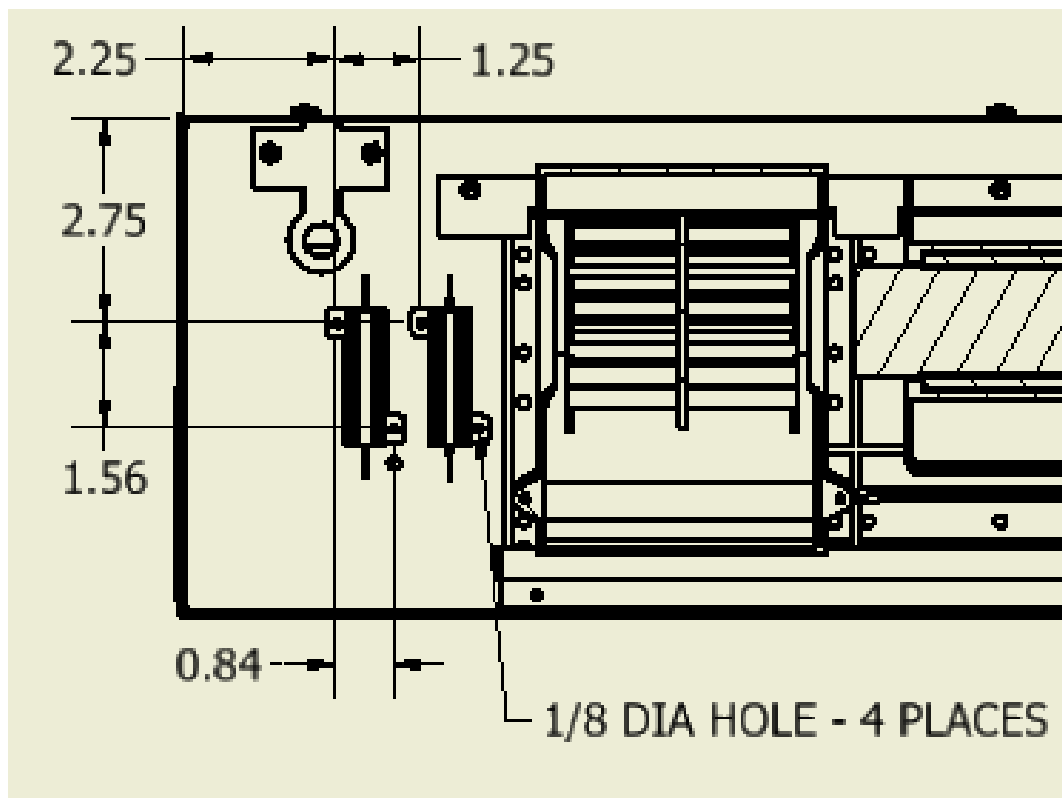


Figure 2: Resistors mounting holes dimensions

9. Replace the motor gasket (Provided in the kit) then reinstall the motor/bracket assembly.
10. Once motor/bracket assembly is installed, proceed with wiring connections as per Figures 3 through 6.

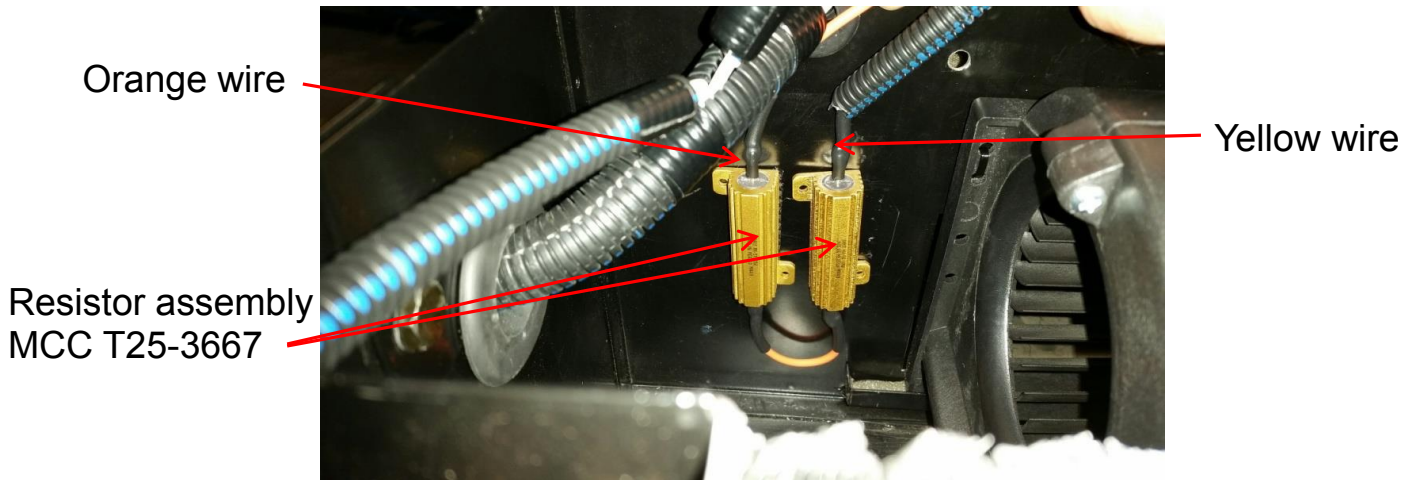
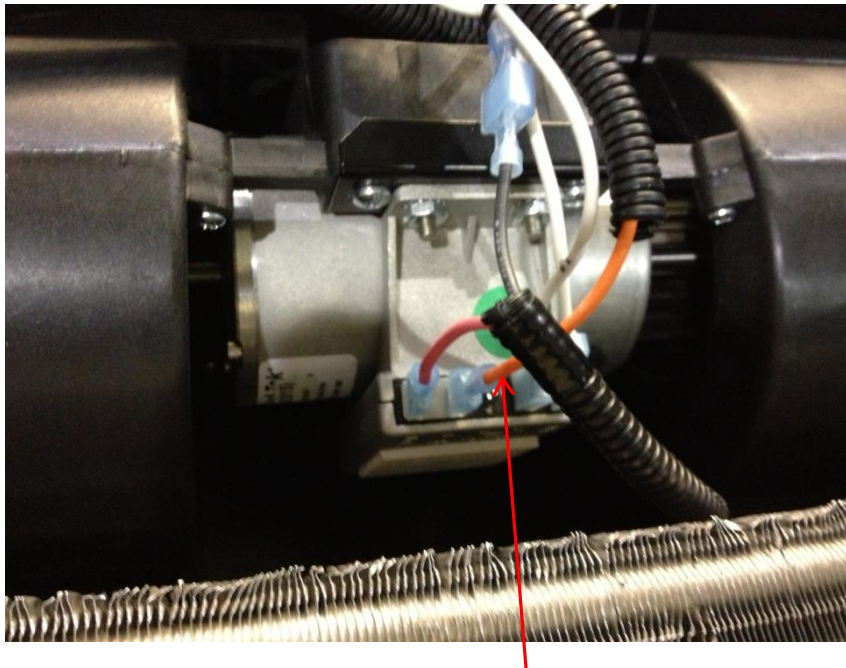


Figure 3: Resistors and resistor wiring descriptions



Orange wire from resistor assembly T25-3667

Figure 4: Resistors to motor wiring

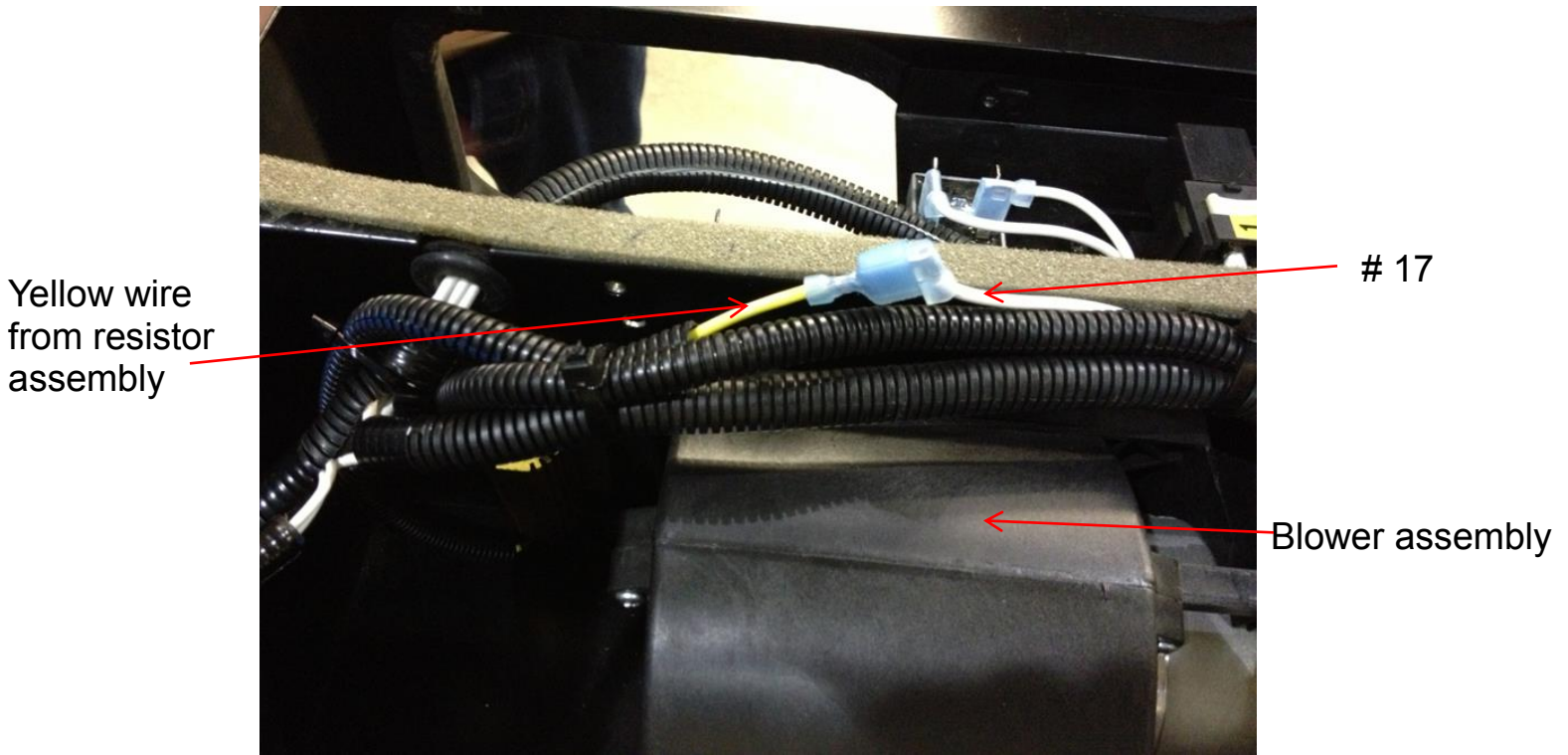


Figure 5: Resistor to motor wiring

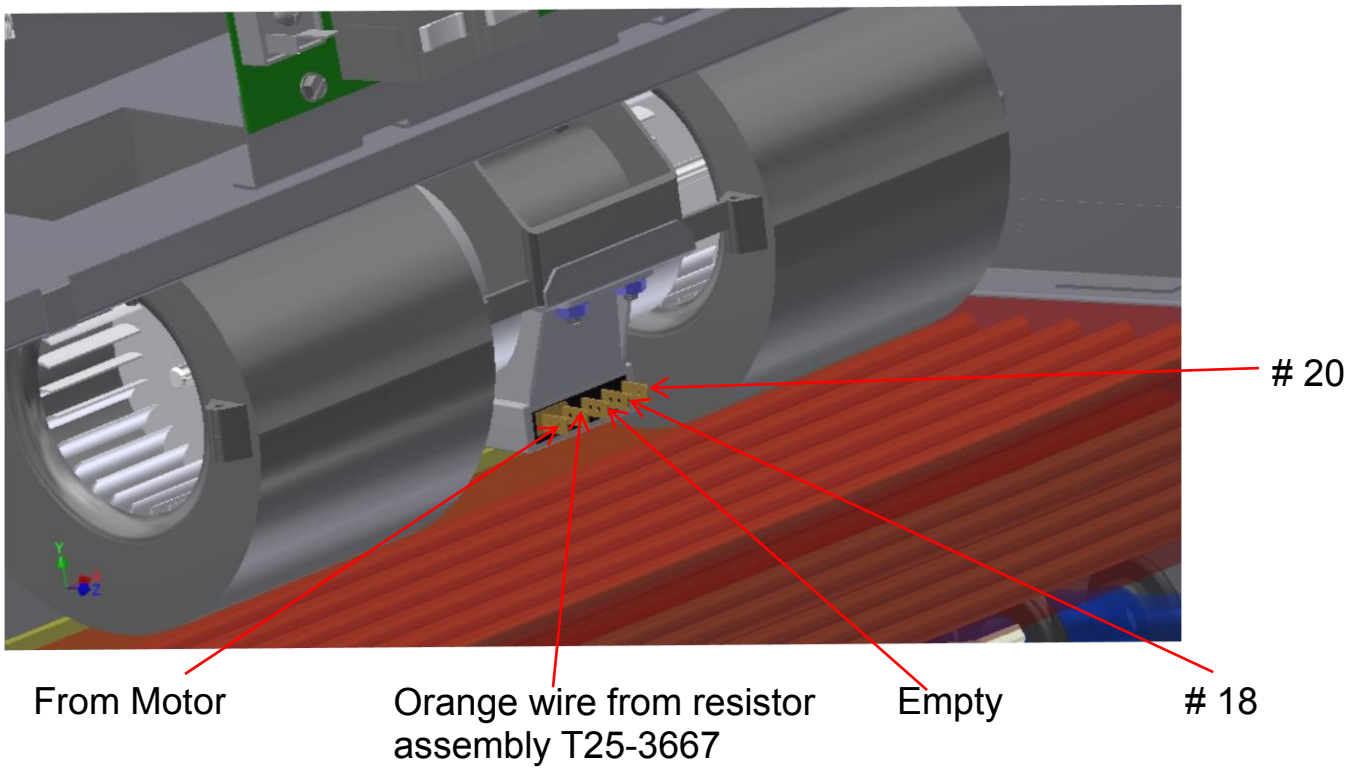


Figure 6: Blower motor wiring connections

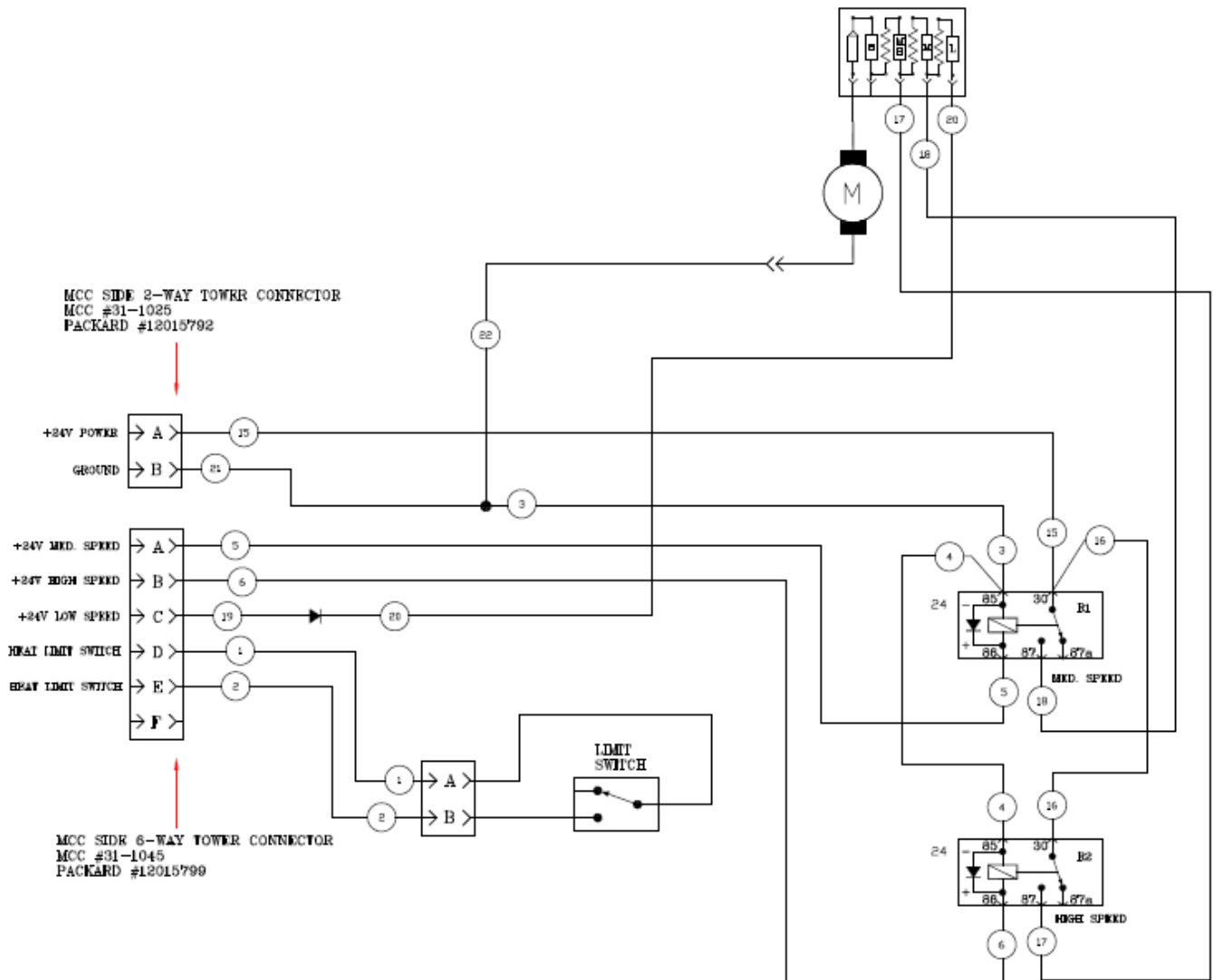


Figure 6: Present Electrical Schematics



LABOUR ESTIMATE				
	Operation	Men	Hours	Labour Time M X HR
1	R & R Defroster Blower Resistor	1	1	1

Total: 1.0 HR.

PARTS REQUIRED					
Item	Part Number	Description	Qty. per Coach	Units	Notes
1	T19-0853	Defroster Blower Resistor Kit	1	EA	Part # listed is MCC part #