

FN500248V FAN KIT 48 Volt Carts (Models Using 8 Volt Batteries Only) Wiring and Installation Instructions



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Disconnect the battery pack before starting installation!

This can be done by simply disconnecting battery #1 and/or battery #6 (See Figures H & I). Ensure that the Run/Maintenance Switch is in the Tow Position. Lay out the kit parts in an organized fashion.

Fan Mounting:

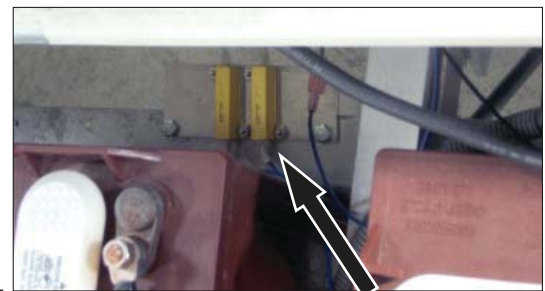
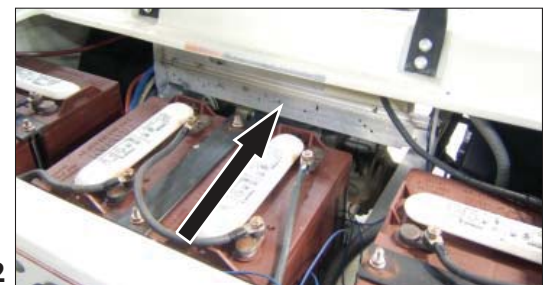
- 1) Locate the four holes in the fan casing. Hold the fan up to the underside of the roof top where desired, and mark the holes for drilling. It is advised to mount the fan in the center of the roof top and far enough back, so it will not interfere with head room (Figure A).
- 2) Drill the marked four holes with a 1/4" drill bit.
- 3) Mount the fan with the mounting spacers in-between the fan and roof. **Ensure** the wire's leads are facing toward the rear of the cart (Figure A).
- 4) Mount the switch in the dash by drilling a hole large enough to accommodate the switch (Figure B).
- 5) Mount the resistor plate assembly on the frame area under the seat (Figure C). We find it best to mount the resistor plate assembly behind the batteries toward the rear of the cart. **Make** sure to mount it to the metal frame as the resistor will become extremely hot during use. The metal frame will serve as a heat sink to dissipate the heat. **Do not mount the resistor to plastic parts!**



Hardware Kit



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Wiring:

1) Route the Red 16 gauge (12.9'), the Gray (12.9') and the Blue (18.8') wires to the switch (Figure D). Do not route the wires in the way of moving parts and sharp metal that may cut into the wires over time. The pin connections on the switch are:

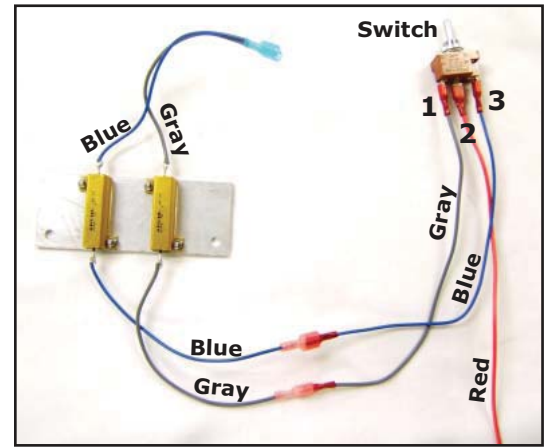
- pin #1 will receive the Gray wire
- pin #2 will receive the Red wire
- pin #3 will receive the Blue wire

Secure the wires with the tie straps in the kit.

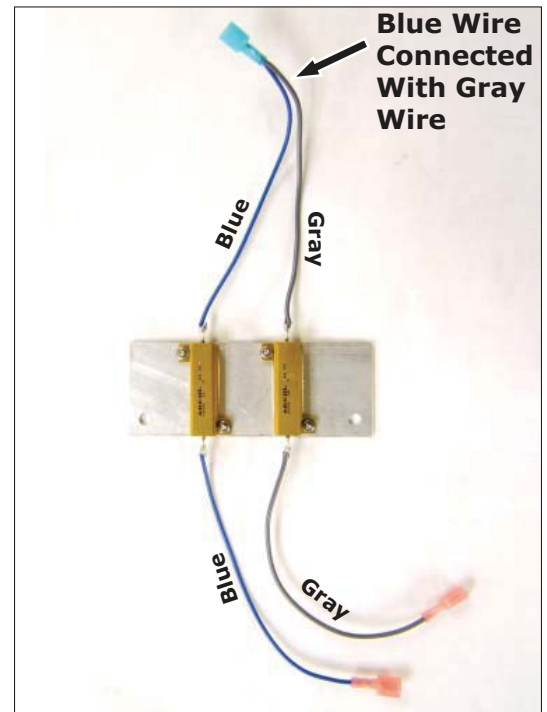
2) The resistor plate assembly will have four wires soldered to the resistors. DO NOT connect the wires to the battery pack until completion of the routing and connecting. The end of the resistor with the single Gray wire will connect to the Gray wire from the switch. The Blue single wire will connect to the Blue single wire from the switch. The Red wire from the switch will connect to battery #5 positive post. The wires are extra long so make sure you cut them to reach the resistor assembly and the rest will be used to connect to the fan.

3) The other end of the resistor will have a Gray and a Blue wire connected together (Figure E). Connect the rest of the single Blue wire to this connection. You will not use the rest of the gray wire. The Black (12.9') wire will need to be connected to the inline fuse and route this wire and the Blue wire out of the rear corner compartment of the roof top (Figure F), along the rear top struts and to the fan (Figure G). Note: the other end of the Black wire with the fuse will connect to the #6 battery negative post. You can now install the tie strap mounts along the top struts and secure the wires to the mounts.

4) This completes the wiring and you can now tie the wires to the mounts where needed. You now can connect the Red wire to the appropriate battery (See Figures H & I). Connect the cart battery and/or batteries and test the fan. You should have two speeds available using your toggle switch.



D

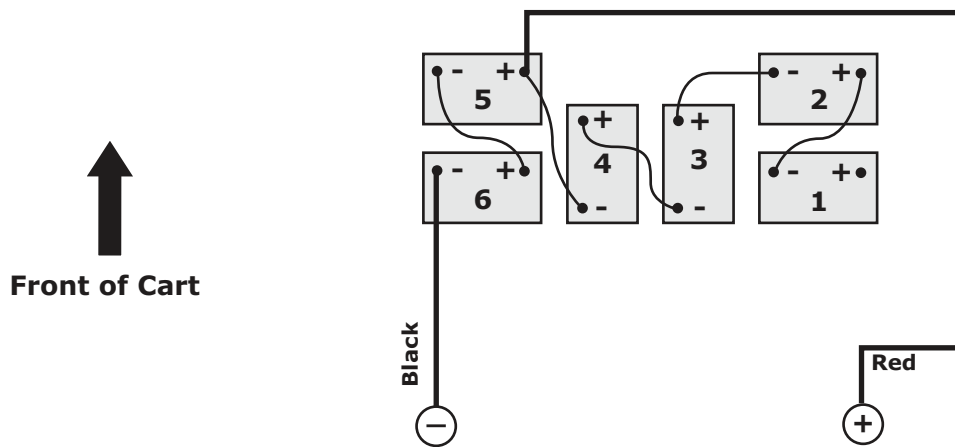


E



Fan Wiring For Electric Carts

(Fig. H) Club Car DS Model 48-Volt Battery Pack



(Fig. I) Yamaha 48-Volt Battery Pack

