

Thank you for purchasing the electric cooling fan kit. Many hours were spent to ensure that this kit is easy to install and that it will perform well in the Classic Thunderbird. If you have any questions or comments on either this kit's function or installation please call us. Technical help 740/622-9700

### **Tools:**

- 1/2" inch end wrench
- 3/8" drive socket set with 14" extension or longer
- Straight blade screw driver
- Side cutters
- Helper

### **Note for cars with air-conditioning:**

CASCO offers brackets which replace the brackets found on your condenser. These brackets move the condenser toward the front of the grille to allow the installation of the fans between the condenser and the radiator. Sold separately part number 8600D

### **Inspect kit:**

Before disassembling your T-Bird, inspect this fan kit carefully. The items in this kit include the following:

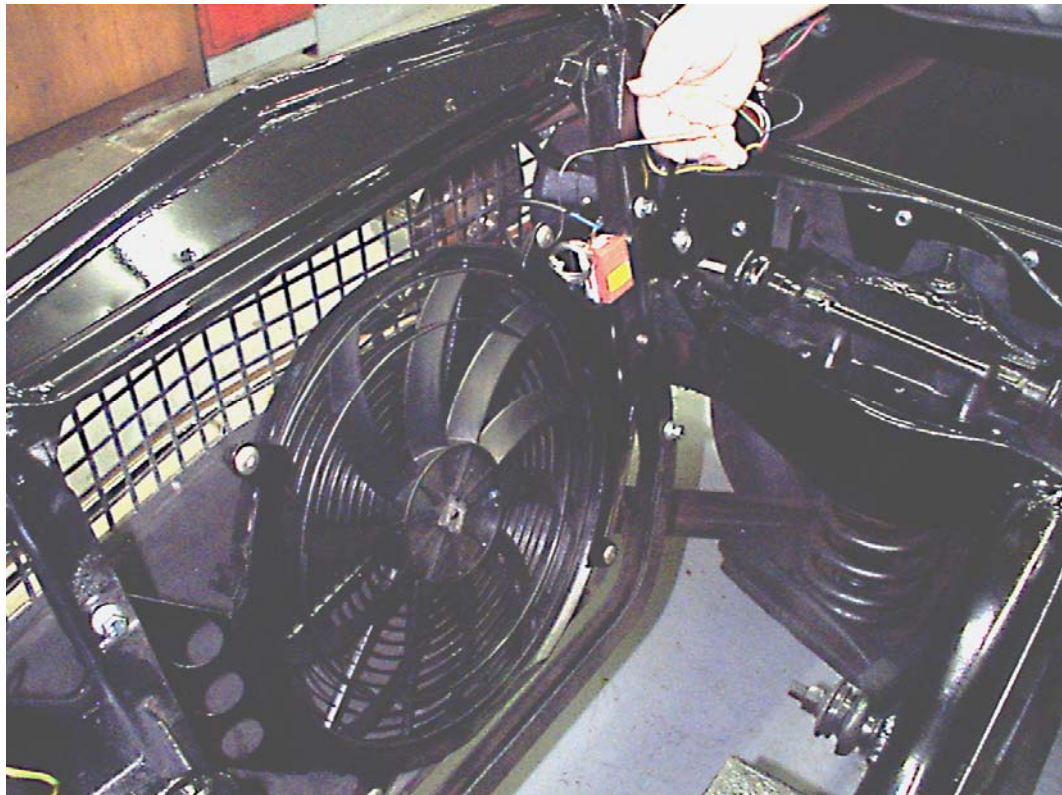
1. Fan assembly pre-mounted on powder coated fan brackets with adjustable thermostat.
2. Wiring harness with pre-wired relay and switch
3. Hardware bag containing: ignition switch wire nut, and fan ground lock washer

### **Car Preparation:**

1. Disconnect battery
2. Drain radiator
3. Remove wiring loom holder and grommet (behind battery)
4. Remove fan shrouds and radiator
5. Remove the fan (optional)
6. Loosen lower 4 pcs of 5/16X24 body to radiator frame bolts 1/2" socket. These are located about midway on radiator bracket. Caution!! Do not remove top radiator frame to body bolts!

### **Install Fan Assembly:**

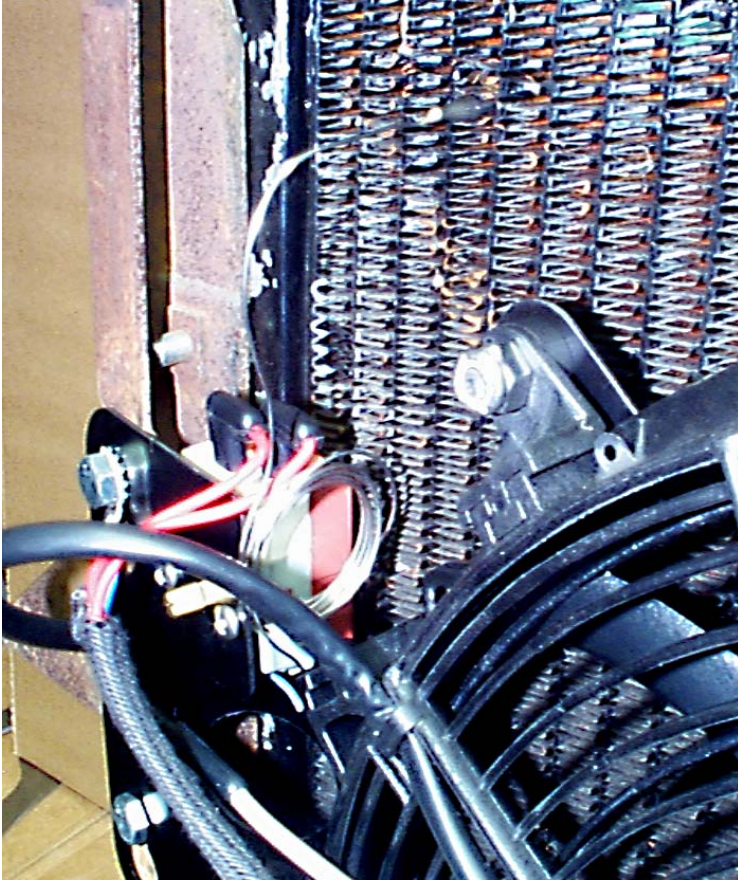
1. Using a helper on one side of fan assembly, position fan in front of radiator frame. Fan power wires and thermostat should be on the passenger side of the car.
2. Pass bolt heads into the key hole in the fan brackets and push the assembly down engaging the bolts into the small part of key holes. Remove lower mounting bolt on the thermostat side. Install fan ground wire with eyelet on bolt, install external tooth lock washer on bolt and then reinstall bolt into the radiator frame.
1. Tighten all four bolts. Depending on the position of your horns, a 14" ratchet extension can be used through the grill to tighten some of the bolts.



electric fan kit

### **Install Wiring Loom:**

1. Feed wiring through wiring loom hole from inside cockpit. Feed through until solenoid wire is completely inside engine compartment.
2. Attach solenoid wire to solenoid on battery cable side
3. Feed thermostat (red) wires and fan power feed through wiring grommet located in front air deflector. Rout wiring along underside of nose panel. *Note:* Wires may not fit through wiring grommet. If they don't fit, feed through triangular cut out.
4. Hook the thermostat wires to the thermostat. Install fan power wire from loom to the fan assembly.



### **Install Thermostat Sender:**

1. Cut zip tie that holds thermostat sender secure for shipping. With a helper, hold radiator roughly in place and push the thermostat sender between a pair of tubes near the radiator inlet on the front of the radiator. The tubing used for the thermostat is a mechanical tube. Handle this tube with care making sure not to kink or pinch the tubing.
2. Bolt radiator back into place

### **Install switch:**

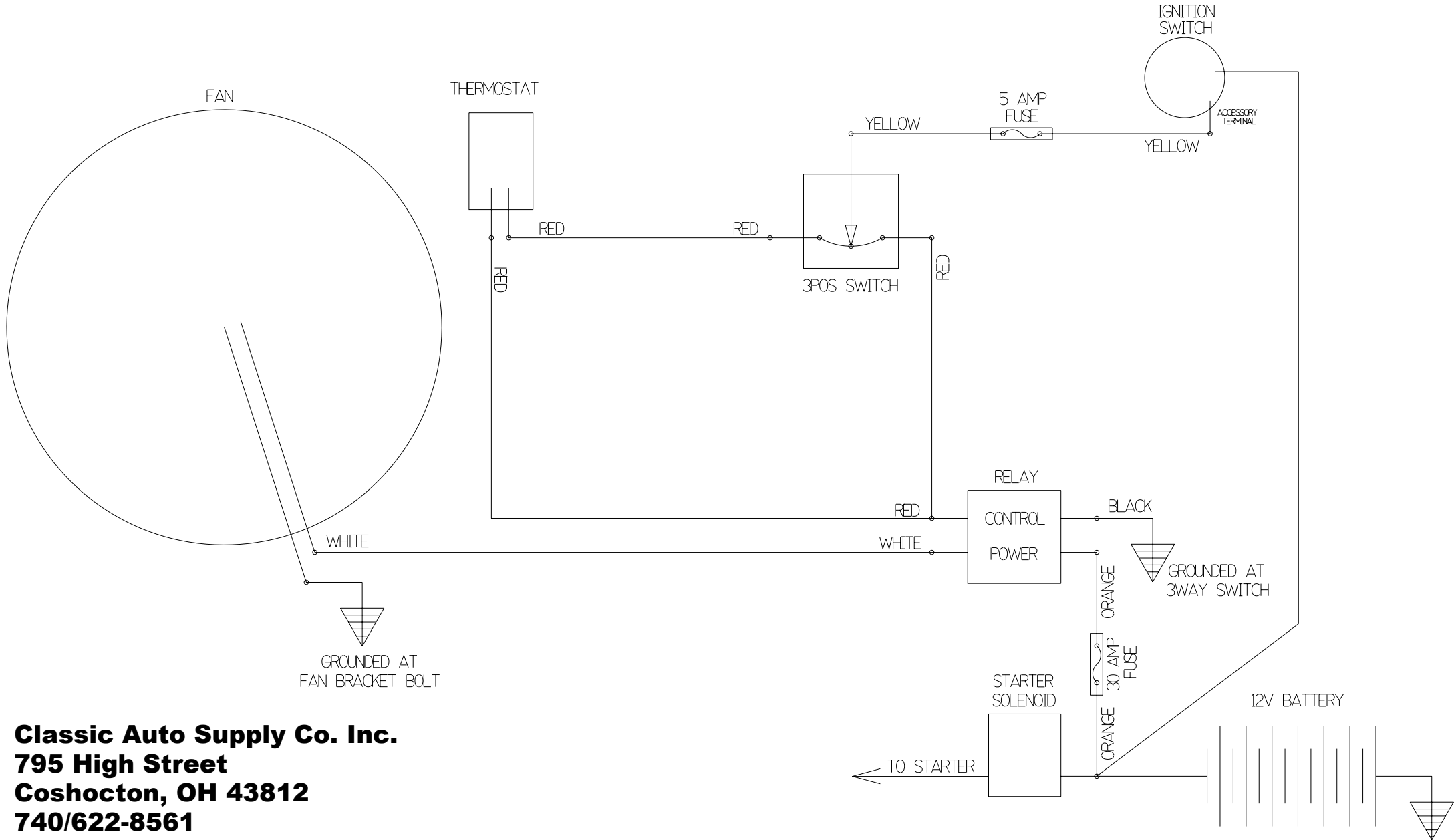
1. Route wiring above steering column and brake pedal support but below speedometer cable.
2. Open up an available hole near hood release handle in dash with a file or drill. The hole should be at least 15/32" diameter.
3. Mount switch securely. Make sure that ground wire makes good contact with dash.
4. Attach accessory wire to ignition switch on accessory terminal. There is a supplied 10-32 nut in the hardware kit bag.

Your electric fan is wired so that if the car is off, the fan will not run unexpectedly. With the switch in the manual position, the fan will run continuously regardless of radiator temperature. With the switch in the automatic mode the fan will only turn on when the thermostat has reached sufficient temperature.

The thermostat has been calibrated to turn the fan on at just over 170°F.

To have the thermostat turn the fan on at a lower temperature, turn the adjusting screw slightly counterclockwise.

To have the thermostat turn the fan on at a higher temperature, turn the adjusting screw slightly clockwise.



**Classic Auto Supply Co. Inc.**  
**795 High Street**  
**Coshocton, OH 43812**  
**740/622-8561**