

ELECTRIC FAN INSTALLATION PROCEDURE

INSTALLING YOUR 10 INCH, 12 INCH, 14 INCH TORQFLO FANS

For safe and easy installation, please read these instructions carefully.

Each Torqflo fan is supplied with mounting hardware:

ZIP-CONNECT HARDWARE

- Four Mounting Rods
- Four Lock Buttons
- Four Fan Mounting Brackets
- Four Foam Pads

TOOLS REQUIRED

- Wire stripper/crimper
- Flat blade screwdriver
- Pliers

INSTALLATION:

1. Detach positive battery cable.

Replacing the Belt Driven Fan:

2A. Detach fan clutch assembly and fan shroud

2B. Connect the pulley to the water pump flange. Use shorter bolts to clear the water pump housing if necessary. **Caution:** Secure the pulley properly...failure to do so may result in damage to the vehicle or personal injury.

Replacing the Original Equipment Electric Fan:

3A. Disconnect all wires to electric fan.

3B. Remove electric fan assembly.

Torqflo Electric Fan Installation:

4A. Measure the distance in front of the radiator/AC condenser to the grill.

4B. Measure the distance behind the radiator to the fan blades or nearest engine part.

4C. After finding these distances, determine if the fan/fans should be installed behind the radiator as “puller/pullers” or in front of the radiator as “pusher/pushers”.

IMPORTANT: A 1 inch clearance is required between the fan and other vehicle components.

Installing In Front of the Radiator “Pusher”:

Skip to step 6.

Installing Behind the Radiator “Puller”:

5A. Remove the fan blade retaining nut or clip.

5B. Remove the fan blade carefully

5C. Flip the blade over, align the groove in the blade with the roll pin in the motor shaft and push the blade onto the shaft.

5D. Replace the retaining nut or clip on the motor shaft.

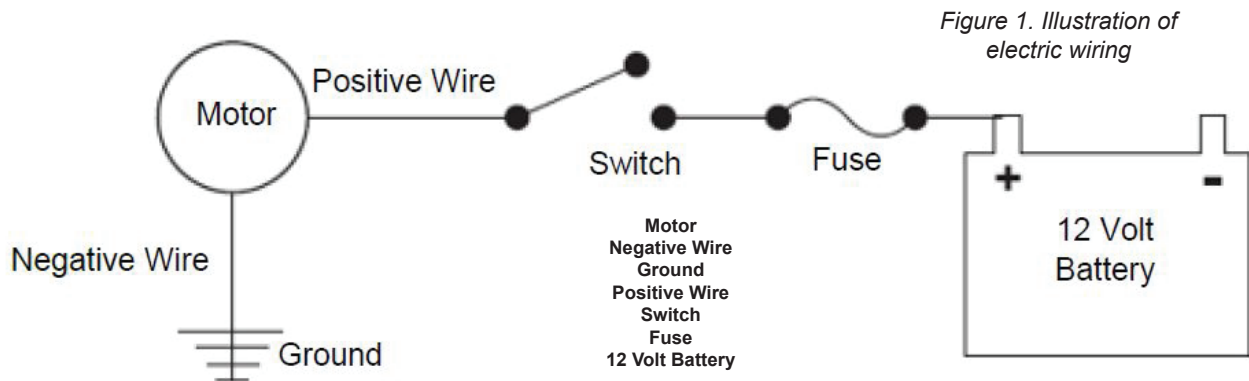
In most cases, it is not necessary to take out the radiator to install the electric fan/fans. It might be necessary to detach the mounting hardware and tilt the radiator back towards the engine to work between the air conditioning condenser and the radiator.

Zip-Connect Hardware Installation:

- 6A. Insert the four mounting bracket into the fan slots.
- 6B. Remove paper backing from the foam pads and attach the pads to the bottom of the four brackets. Cut off excess foam so it does not interfere with fan blades.
- 6C. Place the fan assembly in the select position on the air conditioning condenser of radiator.
- 6D. Push the mounting rods through the bracket holes and the air condition condenser OR radiator. Don't push the rods through both the air conditioning condenser and radiator.
- 6E. Before wiring, check for any interference by spinning the fan blade. The fan must have free rotation.

Installing the Electric Wiring:

NOTE: TO FIND THE POSITIVE WIRE FOR "PUSHER" FANS, REFER TO THE LABEL ON THE SHROUD. FOR "PULLER" FANS, THE WIRE POLARITY MUST BE REVERSED IN ADDITION TO REVERSING THE BLADE AS DESCRIBED IN 5A THROUGH 5D.



Installation With a Fan Control:

All Torqflo fans are compatible with part numbers 733651 Adjustable Control or 733653 Preset Control. Refer to the wiring instructions included with those kits.

Installation Without a Fan Control:

- 7A. To prevent accidental starting of the fan, detach the positive battery cable.
- 7B. Attach the negative wire to ground. Connect the positive wire to a switch rated to 25 amps (not included). Connect the switch through 25 amp fuse to a positive 12 volt source (See Figure 1).
- 7C. Reconnect positive battery cable.
- 7D. Engage the engine to check fan operation.