

INSTALLATION INSTRUCTIONS

• DUAL ELECTRIC FAN •

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLING YOUR DUAL ELECTRIC FAN

VERIFY THAT YOUR DUAL ELECTRIC FAN HAS THE FOLLOWING PARTS:

- (1) Dual fan unit
- (2) 25 Amp fuses
- (6) 1/4" Male terminals
- (4) Sheet metal screws
- (2) Fuse holders
- (2) 1/4" Female terminals
- (2) Black wires
- (4) Flat washers

TOOLS WHICH ARE RECOMMENDED FOR PROPER INSTALLATION:

(Other tools may be necessary depending on your particular installation)

- Wire stripper/crimper
- 3/8" Nut or socket drive
- Drill w/ 3/16" bit
- 10mm Nut or socket drive

• INSTALLATION PROCEDURE •

1. Disconnect the positive (+) battery cable before beginning work on your vehicle.
2. Your Dual Electric Fan is assembled as a pusher, to be mounted on the front of the A/C condenser. Verify this by turning the fan over and checking that there is a "B" showing on the hub of each fan blade.

If you are going to install the fan as a pusher, go to Step 3.

If you are going to install the fan as a puller, continue:

- A. Using a 19 mm nut or socket drive, take off the nut holding the fan blade to the motor.
 - B. **USING GLOVES**, carefully pull the blade off the motor shaft using equal pressure on both sides of the blade. It may be necessary to use WD-40 to lubricate the motor shaft.
 - C. Turn the blade over, align the groove in the blade with the roll pin in the motor shaft and carefully push the blade onto the shaft.
 - D. Using the nut or socket drive, retighten the nut.
3. **NOTE:** You should not have to remove the A/C condenser to install the fan unit. On some vehicles, it may be necessary to temporarily remove engine or transmission oil coolers or any condenser lines that are attached to the front of the condenser.

- A. Using a 10 mm nut or socket drive, carefully loosen the (4) nuts that hold the top adjustable bracket to the two fans. The fan motor drain holes should be pointing down.
- B. Hold the fan unit to the condenser and adjust the top bracket length so that the attachment slots on the bracket extend over the flange on the condenser (see Figure A).
- C. Once you determine the top bracket length, retighten the (4) nuts.
- D. Slide the top bracket up and down on the condenser so that the attachment slots line up with existing holes in the condenser flange. It may necessary to drill new holes in the condenser flange using a 3/16" drill bit. **WHEN DRILLING THE HOLES, BE CAREFUL NOT TO DRILL INTO THE CONDENSER TUBES. USE A DRILL GUIDE IF NECESSARY.**

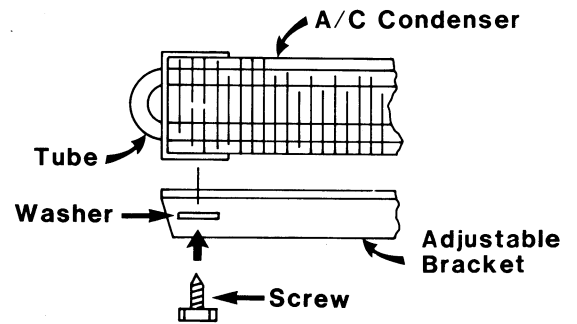


Figure A

- E. Using a 3/8" nut or socket drive, (2) screws and (2) washers, attach the top bracket to the condenser flanges (see Figure A). **BE CAREFUL NOT TO SCREW INTO THE CONDENSER TUBES.**
 - F. Use the same procedure to attach the bottom bracket to the condenser.
 - G. Before wiring, spin the fan blades to ensure free and unobstructed rotation.
4. Your Dual Electric Fan is fully compatible with the **3647 Adjustable** or **3652 Preset Controls**. The wiring instructions are enclosed with those kits.

TO WIRE THE FAN UNIT WITHOUT A THERMOSTAT CONTROL:

1. Make sure you have disconnected the positive (+) battery cable to prevent an accidental starting of the fans.
2. Using a wire crimper, attach the (4) 1/4" male terminals to the (4) motor wires. Then attach (1) 1/4" female terminal to one end of each of the (2) fuse holders. Insert the (2) 25 Amp fuses into the fuse holders (see Figure B).

FOR PUSHER FANS:

- A. Connect the (2) blue motor wires to the female terminals of the (2) black wires, then connect the black wires to ground.
- B. Connect the (2) black motor wires to the female terminals of the fuse holders (see Figure B).

FOR PULLER FANS:

- A. Connect the (2) black motor wires to the female terminals of the (2) black wires, then connect the black wires to ground.

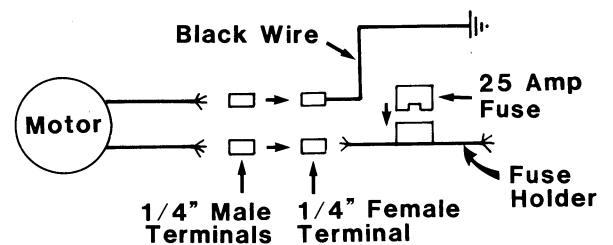


Figure B

- B. Connect the (2) blue motor wires to the female terminals of fuse holders (see Figure B).
3. Connect the fuse holders to a toggle switch (not included) rated to 25 Amps, then connect the toggle switch to a positive (+) 12 volt source.
 4. Reconnect the positive (+) battery cable and all cooler and condenser lines.
 5. Start the engine and check the fan for proper operation.