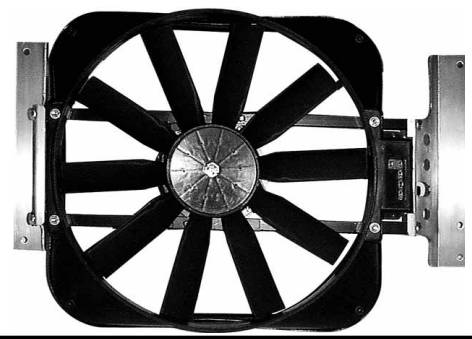




Part# 475 JEEP WRANGLER FAN II (Nylon Shroud) INSTALLATION INSTRUCTIONS for 1997-up 6 cylinder Wranglers



NOTE: These instructions are to be used in conjunction with the Flex-a-lite Tank Bracket Kit # 30928 (6-cyl. models). 6-cylinder models will have the radiator expansion tank mounted to a flange that is part of the original shroud, see Fig. 1. The bracket in this kit is designed to provide a mounting surface for the tank, since the old shroud interferes with the installation, and will be discarded.

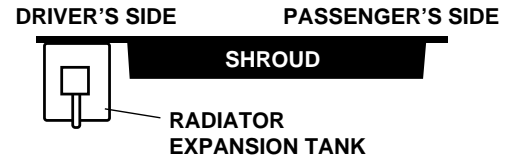


FIG. 1

Remove tank, old fan & shroud

1. Unsnap and remove coolant expansion tank by pressing in on locking button located at the middle of the tank, and lifting up on tank. Lay it aside for now.
2. Remove bolts holding shroud to radiator. Save all bolts. (You cannot remove shroud until fan/ fan clutch assembly are unbolted.)
3. Remove four nuts holding fan/fan clutch assembly to water pump hub. Remove fan/clutch assembly in one piece, along with old shroud. Do NOT remove water pump pulley. Replace nuts onto water pump hub and tighten.

Assemble new fan unit

1. Press plastic control knob onto thermostat shaft on Flex-a-lite fan shroud.
2. Screw right end bracket* to fan as shown using 3/8" bolts and flat washers supplied. Do not tighten yet. See FIG. 2.
3. Fasten left end bracket* to fan using 3/8" bolts included in fan kit. Do not tighten yet.

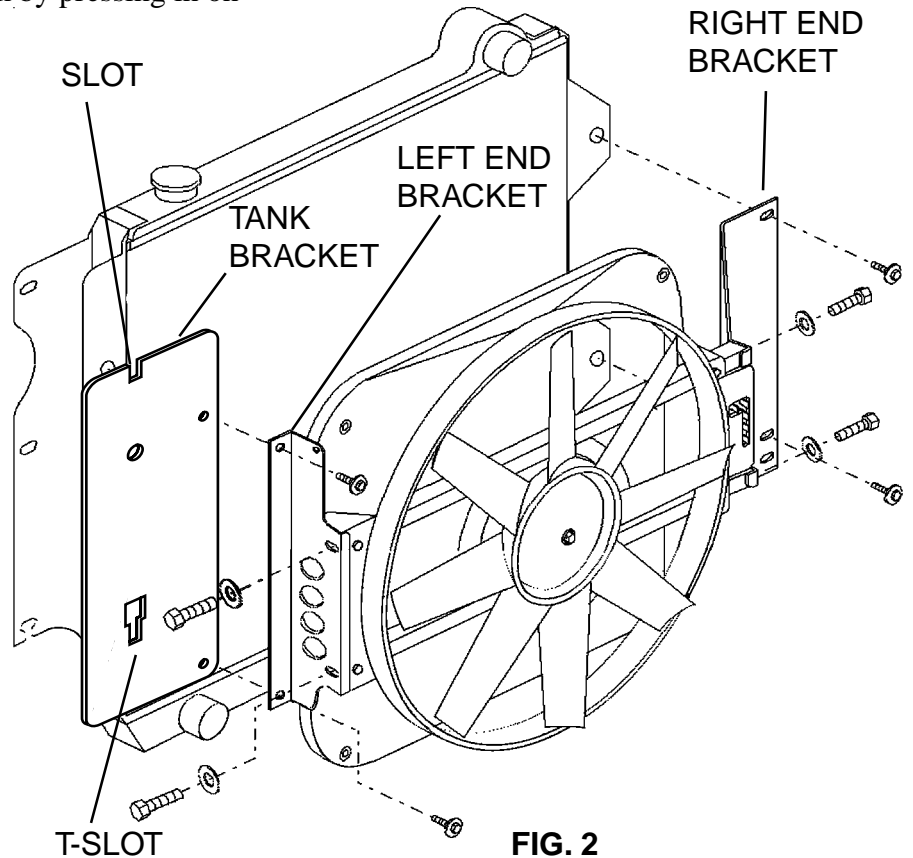


FIG. 2

Install new fan unit

1. Lower Flex-a-lite electric fan unit into place. Be careful not to damage radiator core with mounting brackets during install.
2. Holding new fan in place, fasten into original mounting points on radiator flange using original bolts, starting with passenger side. When fastening driver's side, place tank bracket between left end bracket and radiator, then fasten through both using original mounting bolts.
3. While holding fan tight against radiator, tighten 3/8" bolts that hold fan to fan brackets. Rubber seal should press against radiator core around entire perimeter of shroud.

Reinstall tank

1. Position lower guide of radiator expansion tank in lower T-slot in reservoir bracket, and press top of tank to bracket so upper guide aligns with upper slot. Press down until round button snaps into place.

Proceed to WIRING INSTRUCTIONS on back.

* Right End Bracket = Passenger's Side
Left End Bracket = Driver's Side

Part# 475 JEEP WRANGLER FAN II (Nylon Shroud)

WIRING INSTRUCTIONS

Wiring

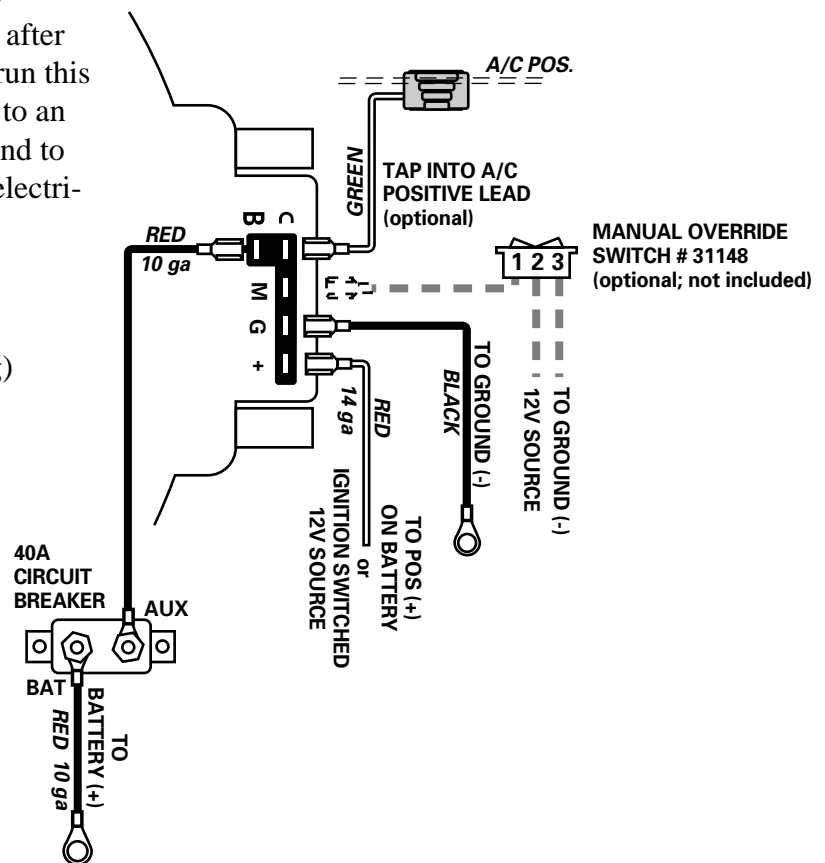
1. Position the self-resetting circuit breaker on the passenger side wheel well. Mark the 2 mounting hole locations. Drill using a 1/8" drill. Fasten the circuit breaker into place using #10 x 1/2" sheet metal screws.

Before proceeding, disconnect battery ground cable! Otherwise, fan can come on unexpectedly.

2. Run a length of heavy (10 ga.) red wire (supplied) from battery to **"BAT"** terminal on circuit breaker, and another length from the **"AUX"** terminal on circuit breaker to **terminal "B"** on controller, located on fan shroud. Use the yellow electrical connectors supplied for terminal connections.

3. Run a length of black wire from a solid ground (one of the screws holding Circuit Breaker is good) to **terminal "G"** on the controller, located on the fan shroud, using the blue electrical connectors supplied for terminal connections.

4. Run a length of thin (14 ga.) red wire to a 12V source. (If you want the fan to continue to run after shutting off ignition, and until radiator cools, run this wire directly to the battery. Otherwise, wire it to an ignition- switched source. Connect the other end to **"+"** terminal on the controller. Use the blue electrical connectors supplied for terminal connections.



Automatic A/C Relay Connection

(Skip this step if you don't have air conditioning)

Tap into the air conditioner's positive lead using the plastic wire connector, (see wiring diagram) and run a green wire from there to **terminal "C"** on the controller.

To make the connection, snap the A/C lead into the pass-thru channel of the connector, and fit the end of the wire that runs to the "C" terminal, into the dead end channel in the connector. Use a pair of pliers to crimp the metal plate into place. Snap the plastic cover into place.

Finish Up

Use nylon ties to keep wires orderly and prevent them from contacting hot or moving parts. *Caution: Don't allow extra slack in the wire at fan controller; wires could contact alternator pulley or drive belt.*

Reconnect battery.

Adjusting the Fan Activation Temperature

Start engine and run until warmed up. Adjust fan activating temperature by turning plastic control knob. Counterclockwise will activate fan at lower temps; clockwise for higher temps. You may reset the activating temperature to suit different driving conditions as you see fit, with no adverse effect to the fan or control unit.

Troubleshooting

CAUTION: KEEP HANDS, TOOLS AND CLOTHING CLEAR OF FAN WHEN TESTING.

With ignition ON (power to "+" terminal on controller), turn knob fully counterclockwise. If fan is wired properly, you will hear a click, and fan will come on. Then adjust activating temperature as directed above. If fan does not respond, then double check all your wiring -especially the ground- and retry.

If you continue to experience problems, call the Flex-a-lite Customer Service Line at (800) 851-1510.