

Part# 475 JEEP WRANGLER FAN II (Nylon Shroud)  
**INSTALLATION INSTRUCTIONS**  
1987-2003 4 & 6 cylinder Wranglers

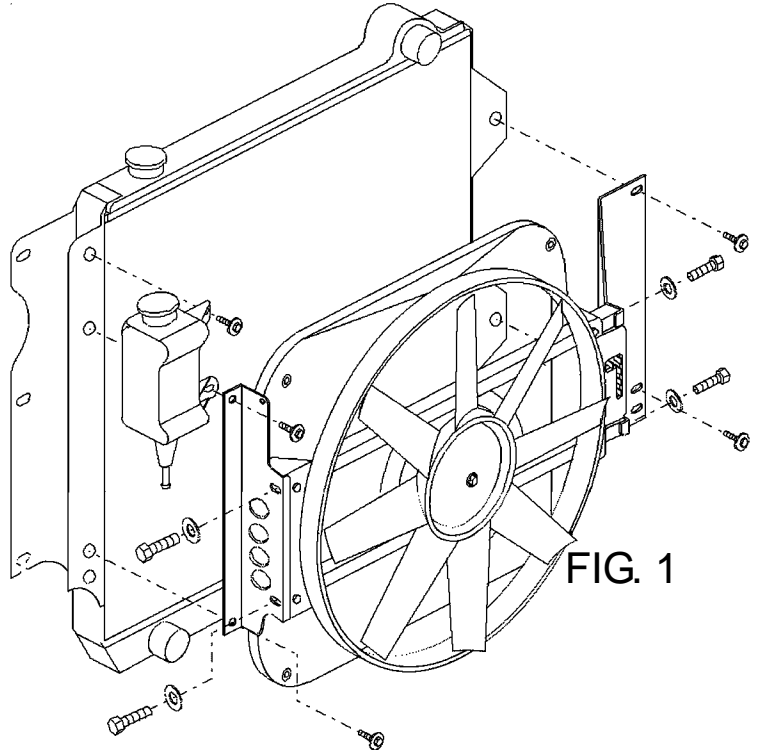
**NOTE: 1997 AND UP** Wranglers were produced with one or more fluid tanks mounted directly to the original fan shroud. The shroud will be discarded in this installation. 4-cylinder models will require a Reservoir Bracket Kit, Part# 30927, 6-cylinder models will require a Tank Bracket Kit, Part# 30928, to complete your installation.

**REMOVE OLD FAN & SHROUD**

1. Remove rubber splash guard (if so equipped) at bottom of fan shroud.
2. Remove 4 screws holding shroud to radiator, and remaining screw holding power steering reservoir. Tuck reservoir out of way temporarily. Save all bolts. (Note: Shroud will not come out until fan and fan clutch are unbolted.)
3. Remove four nuts holding fan and 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 the thermostat shaft on Flex-a-lite fan shroud.
2. Screw left and right end brackets to fan as shown with 3/8" bolts and flat washers supplied. Do not tighten yet. See FIG. 1.



**INSTALL NEW FAN UNIT**

1. Lower Flex-a-lite electric fan unit into place. Fan will squeeze between radiator hose and power steering reservoir. Be careful not to damage radiator core with mounting brackets during install.
2. Hold fan in place and, using original shroud bolts, fasten through new brackets and into original mounting points on radiator flange. The power steering reservoir locates in its original position.
3. Making sure that rubber seal contacts radiator all around, tighten 3/8" bolts holding fan to brackets.

**Insert the temperature probe into the radiator fins**



Install temp. probe near inlet hose...



then replace the insulator cap.

Locate the inlet hose from the engine to the radiator. Remove the black insulator cap and insert the temp. probe through the radiator fins near the inlet hose. Reinstall the black insulator cap.

## WIRING INSTRUCTIONS

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

- Run a length of heavy (10 ga.) red wire (supplied) from battery to the "B" terminal using the thick red wire and in line fuse holder provided in the kit.
- Run a length of black wire from 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.
- Run a length of thin (14 ga.) red wire to a 12V pos(+) source.  
(If you want the fan to continue to run after vehicle is turned off and until radiator cools, run the wire directly to the battery. Otherwise, wire it to an ignition-switched source. Connect the other end other end to **terminal "+"** on the controller. Use the blue electrical connectors supplied for terminal connections.

### Automatic A/C Relay Connection

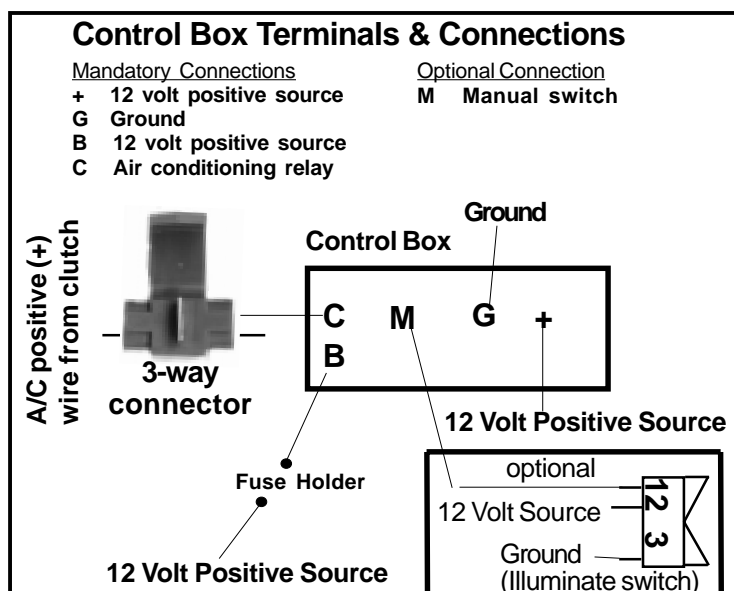
If you have air conditioning, tap into the air conditioner's positive lead using the brown plastic wire connector, and run the green wire from there to **terminal "C"** on the controller. To make the connection, snap the A/C lead into the pass-thru channel of the connector, and fit the other end of the green wire into the dead end channel in the connector. Use a pair of pliers to crimp the metal plate into place. Snap the plastic cover closed.

### Finish Up

Use nylon ties to keep wires orderly and prevent them from contacting hot or moving parts. Especially, don't allow extra slack in the wire at the 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 on the fan or control unit.



**\*WARNING: If not using Flex-a-lite's illuminated switch (PN #31148) you must disconnect the switch ground.**

#### The Flex-a-lite Limited Warranty

Flex-a-lite Consolidated, 7213-45th St. Ct. E. Fife, WA 98424, Telephone No. 253-922-2700, warrants to the original purchasing user, that all Flex-a-lite products to be free of defects in material and workmanship for a period of 365 days (1 year) from date of purchase. Flex-a-lite products failing within 365 days (1 year) from date of purchase may be returned to the factory through the point of purchase, transportation charges prepaid. If, on inspection, cause of failure is determined to be defective material or workmanship and not by misuse, accidental or improper installation, Flex-a-lite will replace the fan free of charge, transportation prepaid. **Flex-a-lite will not be liable for incidental, progressive or consequential damages.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state to state. The Flex-a-lite warranty is in compliance with the Magnuson-Moss Warranty Act of 1975.