LoBoy Fan & Aluminum Shroud for Ford Coup 1930-’34

Assembly & Installation Instructions

1. First, attach the supplied fan to the fan shroud as shown using the screws, washers, and nuts provided (see Diagram A).

2. Prepare the radiator for shroud installation by clearing the core surface.

3. Find the rubber strips included in the kit and trim 2 strips to the length of the shroud. These will be used between the shroud and radiator to isolate vibration (see Diagram B).

4. The shroud can be mounted to the radiator by using the flanges between your radiator tanks. Place the shroud over the flanges. Using the holes in the aluminum shroud as a template, mark and drill holes through the flanges on your radiator. It may be helpful to have a friend hold the shroud while you mark and drill the holes.

   NOTE: Use caution when drilling the mounting holes. Do not drill into the radiator core!

5. Attach the fan and shroud assembly to the radiator using the small #10 screws, and washers as shown (see Diagram B).

   NOTE: Be sure to use the rubber cushioning strips between the shroud and radiator as shown!

Continue to next page for wiring instructions
Fan Wiring Instructions; #318 with controls only

Step 1: Mount radiator/fan
Follow radiator mounting instructions- found on previous page.

Step 2: Locate mounting point for control
Locate a mounting point for control near inlet side of radiator. Control needs to be placed within 18" of radiator inlet hose. You may want to mount next to radiator on fender well. Mount control using screws provided.

Step 3: Wire the fan motor (refer to Wiring Diagram, below)
Using the yellow butt connectors provided, attach a length of the large diameter (12 AWG) red wire to the red motor wire at fan. Attach a length of the large diameter (12 AWG) black wire to the black motor wire at the fan. Once the fan is in place, these will attach to the control module. If mounting the control somewhere in the engine compartment, leave enough wire to reach the control module, but do not connect yet.

Step 4: Connect the motor wires to the control module
(Red wire to the "M+" terminal and black wire to the "M-" terminal).

Step 5: Disconnect the negative battery lead for safety while finishing the wiring. Use the large diameter red (12 AWG) wire to run power directly from the battery positive (+) terminal to the "B" terminal on the control module. Connect the fuse holder in-line with this wire, as shown, but do not insert the fuse yet. Use the blue female, ring, and butt connectors provided.

Step 6: Use the large diameter black (12 AWG) wire to run from the negative (-) battery terminal to the "G" terminal on the control module. Use the blue female connector and ring connector provided.

Step 7: Use the small diameter red wire (18 AWG) to connect the "+" terminal on the control module to a positive power source. **NOTE: Attaching this wire to an ignition-controlled source will shut off the fan when the engine is turned off. Attach this wire to an uninterrupted (always hot) power source to allow the fan to continue running after the engine is shut off.** Use the blue female connector and fuse taps (included) if necessary.

Step 8: (Optional) For air conditioning control (if desired) connect the "C" terminal on the control module to the positive wire that triggers the A/C compressor using the small diameter green (14 AWG) wire. Using a voltmeter, determine which wire coming from the compressor is the positive trigger wire. Use the blue "tap-in connector" (included) to tap into this wire and send a signal to the fan control module. The fan will cycle on and off with the A/C clutch when the A/C is turned on.
Step 9: (Optional) For manual switch operation, use Flex-a-lite p/n 31148. Connect the switch as shown on the wiring diagram (previous page). Connect the "M" terminal on the control module to the "1" terminal on the switch. Connect the "2" terminal on the switch to a positive 12v power source. Connect terminal "3" on the switch to a good ground (for switch illumination). *NOTE: To prevent thermostatic activation (if only manual switch operation is desired), omit the lead to the "+" terminal of the control box. "B", "G", "M+" and "M-" must remain connected. If not using a Flex-a-lite manual switch, do not connect a ground wire to the switch!*

Step 10: Use the zip ties provided to secure the wires and prevent them from interfering with fan blades, belts, and pulleys in the engine compartment. Reconnect the battery and insert the fuse provided.

Step 11: Insert the temperature probe into the radiator fins
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.

Step 12: Adjust the temperature control knob on the control box
If you disconnected any hoses or drained coolant to install the fan, reconnect the hoses and refill the radiator. Turn the knob clockwise until it stops. Start the engine and allow it to idle. Using a digital thermometer (positioned near the inlet hose) or the vehicle's temperature guage, monitor the temperature. When the coolant temp. is slightly above normal (or desired temp.), turn the knob counter-clockwise just until the fan turns on. From now on, the fan should activate at this temperature setting. Adjust as necessary to maintain desired temperature.

**Fan Wiring Instructions; #328 with out controls only**

1. Wire the fan motor to power source (control unit or switch and relay if desired). Connect the red wire from the fan motor to a 12v. positive (+) source. Connect the black motor wire to a ground (-) source. *NOTE: Failure to do this will result in incorrect operation and damage to the fan motor!*

2. Connect a fuse holder. Be sure to connect a fuse holder in-line with the positive (+) power wire to protect the fan motor and your vehicle’s electrical system from damage.

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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.