

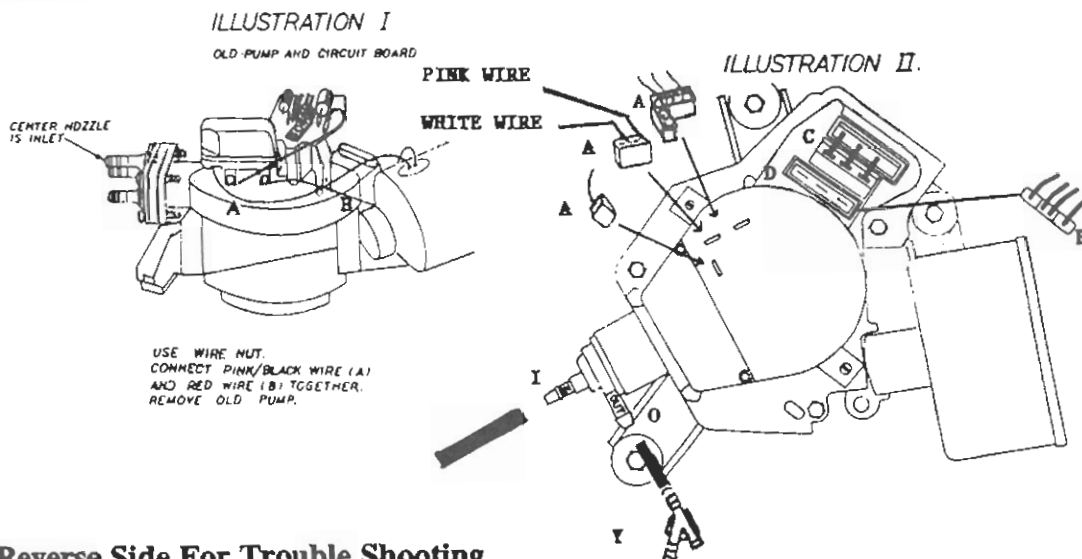
**INSTALLATION INSTRUCTIONS
FOR VEHICLES WITH WIPER DELAY**
(See other side for vehicles without wiper delay)

THIS IS A FULLY ELECTRONIC WASHER PUMP DESIGNED TO REPLACE YOUR ORIGINAL PUMP, CIRCUIT AND RELAY. NO COMPLEX CAM ALIGNMENT IS NECESSARY. THIS ELECTRONIC PUMP WILL EXTEND THE LIFE OF YOUR WIPER MOTOR.

1. Make sure your ignition is off and washer pump is in off position.
2. Mark and identify center hose on old pump for later installation.
3. Disconnect electrical terminals from top "A" and rear "B" of old pump (see illustration II). Remove plastic cover on old pump. (pull up from rear).
4. Locate red wire and pink wire with black stripe. Strip 1 ¼ inch of insulation from each end. Using wire nut supplied, connect both wires together. (see illustration I)
5. Remove three screws that mount washer pump to wiper motor (save screws). Install new pump using the same screws. Make sure copper grounding strap is re-installed under screw and tighten all screws.
6. Push down on attached 3-way female connector "C" (with blue, white and Grey wires) until it firmly engages with 3-way terminals on the wiper motor. (see illustration II)
7. Reconnect original electrical connector "B" to terminals "D". (see illustration II)
8. Reconnect electrical connector "A" to top of washer pump. (see illustration II)
NOTE: WHITE WIRE GOES TO CENTER TERMINAL
9. Clean reservoir and replace filter in reservoir with new filter supplied. Refill reservoir with proper fluid.
IF YOU HAVE A FLUID LEVEL INDICATOR – THIS MUST BE PERMANENTLY DISCONNECTED.
10. Replace hoses: Attach center inlet hose to inlet "I" of new pump. Attach 3 inch hose supplied to bottom leg of proper size "Y" connector. Attach other end of 3 inch hose to outlet "O" nozzle of new pump and attach remaining two outlet hoses to the "y" connector.

It may be necessary to operate pump 3 or 4 times to prime. This should be done with the engine running. To expedite priming – remove outlet hose "O" and operate pump until fluid appears, then reconnect hose. This pump will replace all depressed park applications except 1979 and earlier with delay.

**DO NOT OPERATE PUMP WITHOUT FLUID IN RESERVOIR.
IT IS NORMAL FOR BLADES TO PARK WHEN USING DELAY.**

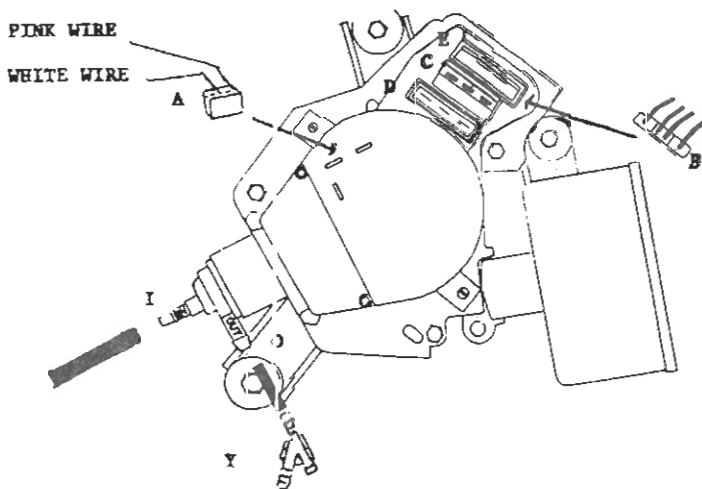


See Reverse Side For Trouble Shooting

**INSTALLATION INSTRUCTIONS
FOR VEHICLES WITHOUT WIPER DELAY**
(See other side for vehicles with wiper delay)

1. Make sure your ignition is off and washer pump is in off position.
2. Mark and identify center hose on old pump for later installation.
3. Disconnect electrical terminals from top "A" and rear "B" of old pump.
4. Remove three screws that mount washer pump to wiper motor (save screws). Install new pump using the same screws. Make sure copper grounding strap is re-installed under screw and tighten all screws.
5. Reconnect original electrical connector "B" to terminals "E".
NOTE: CONNECTOR "C" AND TERMINALS "D" ARE NOT USED.
6. Reconnect electrical connector "A" to top of washer pump.
NOTE: WHITE WIRE GOES TO CENTER TERMINAL
7. Clean reservoir and replace filter in reservoir with new filter supplied. Refill reservoir with proper fluid.
8. Replace hoses: Attach center inlet hose "I" of new pump. Attach 3 inch hose supplied to bottom leg of proper size "Y" connector. Attach other end of 3 inch hose to outlet "O" nozzle of new pump and attach remaining two outlet hoses to the "Y" connector.

It may be necessary to operate pump 3 or 4 times to prime. This should be done with the engine running. To expedite priming – remove outlet hose "O" and operate pump until fluid appears, then reconnect hose.
DO NOT OPERATE PUMP WITHOUT FLUID IN RESERVOIR.



TROUBLE SHOOTING

ALWAYS TEST PUMP AND WIPER WITH ENGINE RUNNING

PUMP OPERATES BUT NO SPRAY

- A. Check reservoir hose – is it attached – did you replace filter.
- B. Are hoses crimped – are they properly attached (reservoir inlet).
- C. Check fluid level in reservoir.
- D. Are spray jets on cowlings clogged.
- E. Check to see if your car has a one way valve leaking or clogged.

PUMP DOES NOT OPERATE

- A. Is white wire – pink wire properly installed on top plug "A".
- B. Check electrical connections – are they firmly connected, corroded or loose.
- C. Check plug "A" for corrosion or broken wires.
- D. Check for defective wiper switch.
- E. Is ground strap in place and screw tight.

WIPER MOTOR DOES NOT WORK

- A. Check fuse.
- B. Check for defective wiper switch.
- C. Check 3-way black terminal connector "B" for corrosion, loose terminal or broken wire, and that it is firmly connected.
- D. Disconnect plug "C" from wiper motor – replace with plug "B". (Plug "C" remains disconnected). If wiper motor still does not work, replace or repair wiper motor, or wiper motor switch.

WIPER DELAY IS ERRATIC

- A. Check for loose terminal or connection on 3-way plug "A".
- B. Operate with engine running – is battery low or terminals corroded.
- C. Reservoir level indicator sensor should be permanently disconnected.

IT IS NORMAL FOR BLADES TO PARK WHEN USING WIPER DELAY

LIMITED WARRANTY VOID IF COVER REMOVED OR BROKEN