

# Wiper/Washer Systems

## FORD MOTOR CO. LIFTGATE

Capri, Mustang  
Cougar, Granada  
EXP, LN7, Escort, Lynx

### DESCRIPTION

The optional window wiper consists of a motor, mounted inside the liftgate, and a single-speed switch, located in the instrument panel. Power is furnished through an inline circuit breaker.

### OPERATION

Turning the wiper switch controls operation of the wiper motor. Pressing the switch operates the washer, but does not turn on the wiper. When the control switch is turned "OFF", the park circuit returns the wiper blade to a side or bottom position.

### TESTING

**System Test – 1)** Check for power to the switch by inserting test probe into the back of switch connector at the white-purple wire. If no power present, check fuse or circuit breaker. If power is present, make switch continuity check as follows.

**NOTE** – The rear wiper switch must be removed from the instrument panel for continuity testing.

**2)** Remove washer switch knob and bezel screws. Pull switch retainer away from instrument panel and remove retainer nut. Disconnect wiring and remove switch.

**3)** Use an ohmmeter to check switch terminal continuity. With switch "OFF", continuity should exist between terminals 296 and 63. With switch "ON", continuity should exist between terminals 296, 63 and 58. With switch on "WASH", continuity should exist between 296, 63 and 941. See Fig. 1.

**4)** If switch is good, reconnect wiring. Remove wiring connector at wiper motor and check for power in red and white wires

with switch and ignition "ON". Also check continuity to ground at black wire. If power and ground exist, replace wiper motor.

### REMOVAL & INSTALLATION

#### WIPER MOTOR

**Removal – 1)** Remove wiper arm and blade. Remove pivot shaft attaching nut and spacers. On hatchback and station wagon models, remove liftgate inner trim panel.

**2)** On Granada, Cougar, Escort and Lynx 4-doors, remove license plate housing attaching screws. Disconnect license lamp wiring and remove housing.

**3)** On all models, disconnect electrical connector to wiper motor. On Granada and Cougar, remove linkage arm locking clip, pry off arm and remove linkage. Remove motor and bracket attaching screws and remove motor and bracket.

**4)** On all other models, remove 3 screws attaching bracket to inner door skin, and remove motor, bracket and linkage as an assembly.

**Installation** – To install, reverse removal procedure.

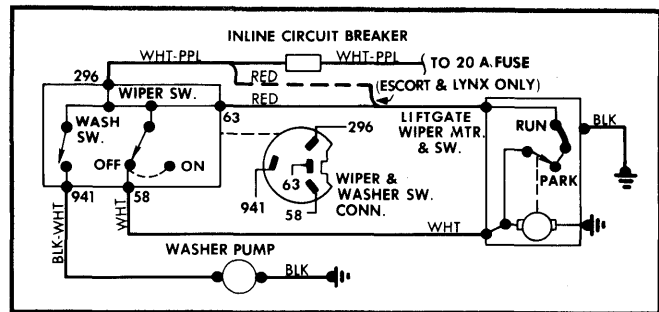


Fig. 1 Ford Motor Co. Rear Wiper/Washer System Wiring Diagram