

Wiper/Washer Systems

FORD MOTOR CO. LIFTGATE

Escort, Lynx
Fairmont, Zephyr
Mustang, Capri

DESCRIPTION

The rear window wiper is a single speed, automatic park design. A washer motor and nozzle, control switch, and inline circuit breaker complete the liftgate wiper system.

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.

2) Remove washer switch knob and bezel screws. Pull switch and retainer away from back of dash, then 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 station wagon models, remove liftgate inner trim panel.

2) On Fairmont, Zephyr, Escort, and Lynx 4-door models, remove license plate housing attaching screws. Disconnect license lamp wiring and remove housing.

3) On all models, disconnect electrical connector to wiper motor. On Fairmont and Zephyr, 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.

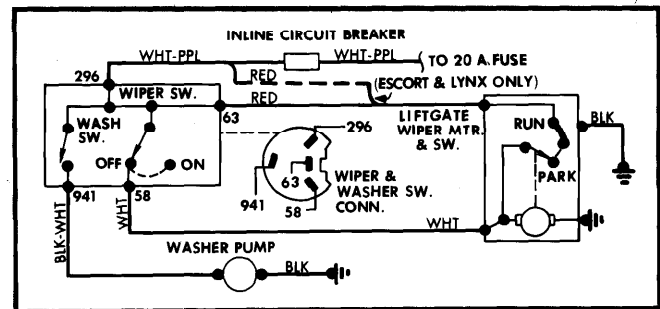


Fig. 1 Ford Motor Co. Rear Wiper/Washer System Wiring Diagram