

CHRYSLER CORP. LIFTGATE

Chrysler (LeBaron)
 Dodge (Aries, Diplomat, Omni)
 Plymouth (Horizon, Reliant)

DESCRIPTION & OPERATION

The rear window/liftgate wiper system includes a circuit breaker, wiring harness, control switch, washer motor, and single speed wiper motor. The wiper motor automatically parks the wiper blade at the bottom of the glass when the control switch is turned "OFF".

TESTING

Aries, Reliant, Horizon & Omni - 1) Remove plastic motor cover on Horizon and Omni, and liftgate trim cover on Aries and Reliant. Inspect for loose connections at motor. Disconnect feed connector.

2) With ignition switch on, check for battery voltage at Blue wire on Horizon and Omni, and Brown wire on Aries and Reliant. With ignition switch and wiper switch "ON", check for battery voltage at Blue and Brown wires on Horizon and Omni, or Blue wire on Aries and Reliant.

3) If no battery voltage is obtained, check circuit breaker, switch and wiring. If battery voltage obtained, but motor does not operate, replace motor.

4) On Horizon and Omni, with ignition switch on and wiper switch "OFF", check for battery voltage between Blue and Brown wires. If no voltage, check ground wire. If voltage present, apply battery voltage to a terminal on switch plate without wires.

5) If motor does not operate, replace motor. If motor operates and drive shaft rotates, replace switch plate. If motor operates but drive shaft does not rotate, inspect motor drive mechanism and replace parts as needed.

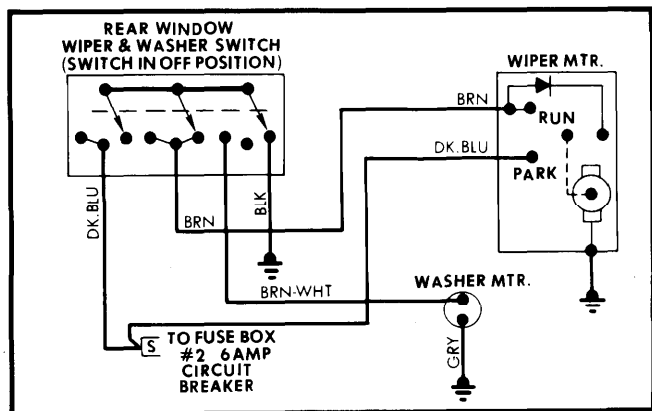


Fig. 1 Liftgate Wiper Wiring Diagram
 Omni and Horizon

Diplomat & LeBaron - 1) Remove liftgate trim panel. Check linkage and mounting for mechanical problems. Disconnect feed connector at wiper motor.

2) With key in "ON" position and wiper switch "OFF", voltage should be present at brown wire. With both key and switch "ON", power should be present at blue wire. If not, check circuit breaker, switch, and wiring.

3) If voltage is present but motor does not operate, remove motor and linkage. Remove motor from linkage, taking care not to bend link. Apply 12 volts to blue wire, and connect bracket to ground. If motor operates, fix linkage problems. If motor does not operate, replace it.

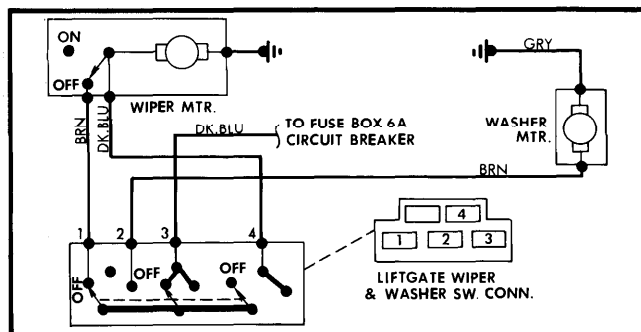


Fig. 2 Liftgate Wiper Wiring Diagram
 Diplomat & LeBaron

REMOVAL & INSTALLATION

MOTOR AND LINKAGE

Aries, Reliant, Horizon & Omni - Remove wiper arm assembly. Remove motor cover. On Horizon and Omni, remove pivot shaft nut, ring and seal from pivot shaft. On all models, disconnect feed connector. Remove motor attaching screws and remove motor.

Installation - To install, reverse removal procedure.

Diplomat & LeBaron - 1) Remove arm from shaft without prying. If necessary, use suitable tool (C-3982). Remove liftgate trim panel and disconnect feed wires. Remove 4 screws and remove linkage and motor from liftgate.

2) Separate motor crank arm from linkage, using care to avoid bending link. Remove 4 mounting screws and separate motor from linkage.

Installation - 1) Position motor and crankarm on bracket. Line up link and crank arm and snap crank arm pivot into link. Install 4 mounting screws.

2) Test by applying 12 volts to blue wire and ground to motor bracket. Motor should operate. Apply 12 volts to brown wire. Motor should stop with link and crank arm almost aligned.

3) Reverse remainder of removal procedure to complete installation.

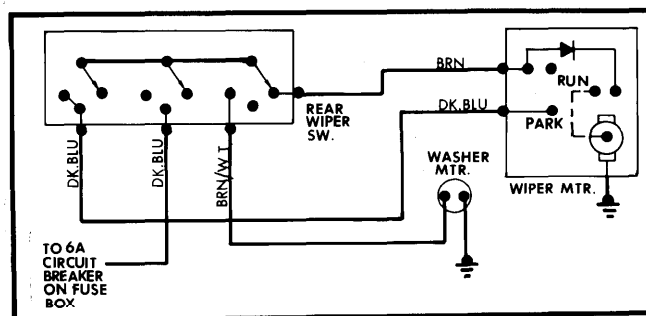


Fig. 3 Liftgate Wiper Wiring Diagram
 Aries and Reliant