

# Wiper/Washer Systems

## AMERICAN MOTORS LIFTGATE

### DESCRIPTION

Liftgate wiper motor is a single-speed motor equipped with an automatic park feature. Motor circuit is protected by a separate 4.5 amp. circuit breaker attached to the brake pedal support.

Liftgate washer system consists of a control switch integral with wiper switch, a reservoir which is shared with the windshield washer, separate electric pump and hoses, tubing, adjustable nozzle and attaching parts. Pump is mounted in the bottom of water reservoir and grounded by ground wire. Pump is energized by a feed wire from No. 2 terminal on control switch.

### TESTING

#### WIPER SWITCH

Check continuity with ohmmeter. Continuity should exist between terminals at various switch positions as shown in Fig. 1. If continuity does not exist as specified, switch must be replaced. If continuity checks out good, check wiring.

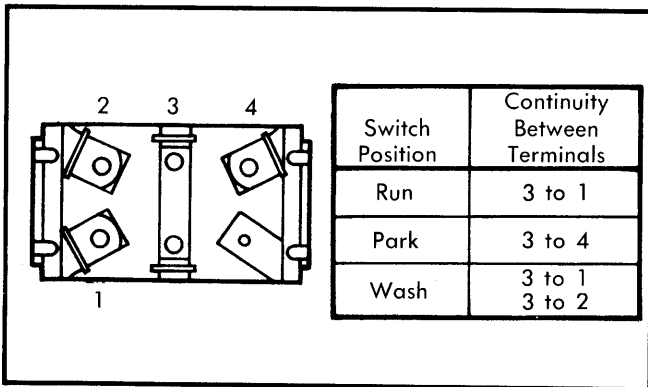


Fig. 1 Continuity Test For Liftgate Wiper Motor

### REMOVAL & INSTALLATION

#### WIPER MOTOR

**Removal** – 1) Remove wiper arm and blade. Remove wiper motor cover from liftgate. Disconnect wiring harness from motor.

2) Remove ground wire from liftgate. Remove nut, washer and pad attaching wiper motor shaft to liftgate. Remove screw attaching motor mounting bracket to liftgate and remove motor.

**Installation** – 1) Position motor in liftgate and install mounting bracket attaching screw and tighten. Install pad, washer and nut attaching motor shaft to liftgate.

**NOTE** – When installing motor on Spirit or Eagle SX/4, be sure shaft is centered in hole in liftgate glass.

2) Position ground wire on liftgate. Connect motor wiring harness on motor, ensuring that color coded connector and terminals match.

3) Operate motor for several cycles, then turn off to position shaft in park position. Install wiper arm and blade. Install wiper motor cover.

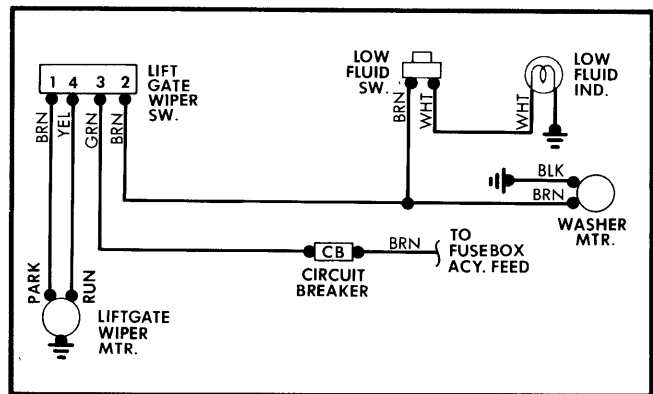


Fig. 2 Liftgate Wiper/Washer Wiring Diagram

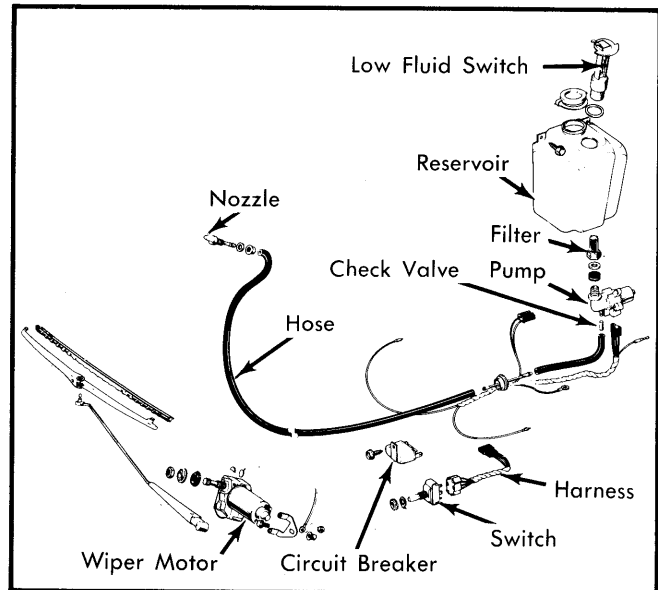


Fig. 3 Liftgate Wiper/Washer Assembly