Power Windows

GENERAL MOTORS TAILGATE

Chevrolet, GMC

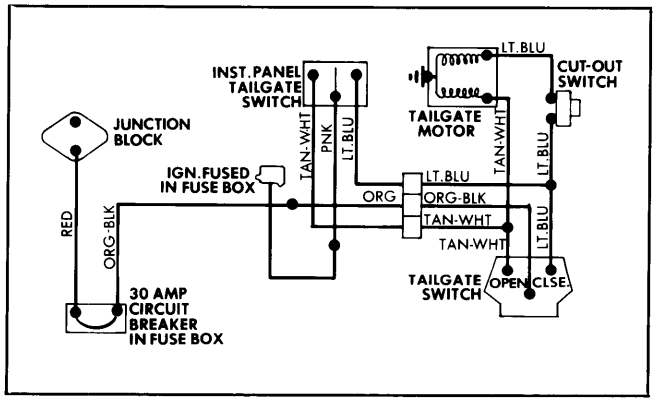
DESCRIPTION

Tailgate window system consists of a 12-volt reversible direction motor, internal regulator, and jackscrew type regulator. The internal circuit breaker may require 1 to 3 minutes to reset. Window is controlled by the jackscrew regulator.

The window is operated by an instrument panel switch when the ignition switch is in the "ON" position, or an external key switch located in the tailgate door. The window retracts into tailgate door.

A cut-out switch prevents operation of the window by either switch when the tailgate is open. Circuit is protected by a 30-ampere circuit breaker, located at fuse block.

Fig. 1: General Motors Tailgate Power Window Wiring Diagram



TESTING & TROUBLE SHOOTING

TAILGATE POWER WINDOW INOPERATIVE FROM PANEL OR TAILGATE KEY SWITCH

Check circuit breaker, and replace if bad. If good, check motor ground. If good, check the Tan/White and Lt. Blue wires for short. If not shorted, replace window motor.

TAILGATE POWER WINDOW INOPERATIVE FROM PANEL SWITCH, OPERATES FROM TAILGATE KEY SWITCH

1) If current from fuse block is good, ground 1 probe of 12-volt test lamp. Place tailgate panel switch in window "UP" position. Probe terminal for Lt. Blue wire at back of switch. If lamp does not light, replace switch.

2) If lamp lights, touch lamp probe to terminal for Tan/White wire at back of switch and press switch to "DOWN" position. If lamp does not light, replace switch. If lamp lights, check window motor ground to body and Lt. Blue and Tan/White wires between switch and motor.

NOTE: If switch operates from key switch, but not from panel switch, use same test procedure, replacing tailgate key switch if necessary.

TAILGATE WINDOW WILL NOT OPEN FROM PANEL SWITCH, OTHERWISE OPERATES

1) With ignition switch "ON" and tailgate open, place panel switch in "DOWN" position. Using a grounded 12-volt test lamp, probe Tan/White wire at panel switch.

2) If lamp does not light, replace switch. If lamp lights, probe Tan/White wire at window motor, with switch still in "DOWN" position. If lamp does not light now, check for open Tan/White wire between motor and panel switch. If lamp lights, system should operate normally.

TAILGATE WINDOW WILL NOT CLOSE FROM PANEL SWITCH, OTHERWISE OPERATES

1) With ignition switch "ON" and tailgate door open, place panel switch in "UP" position. Using a grounded 12-volt test lamp, probe terminal for Lt. Blue wire at back of switch. If lamp does not light, replace panel switch.

2) If lamp lights, probe terminal for Lt. Blue wire at cutout switch. If lamp does not light, check for open Lt. Blue wire between instrument panel and cutout switch. If lamp lights at cutout switch terminal, check Lt. Blue wire between cutout switch and motor. If wire is good, replace cutout switch.

TAILGATE WINDOW WILL NOT OPEN FROM TAILGATE KEY SWITCH, OTHERWISE OPERATES

1) With ignition switch "ON", open tailgate door. Turn tailgate key switch to "DOWN" position. Using a grounded 12-volt test lamp, probe Tan/White wire at key switch.

2) If lamp does not light, replace key switch. If lamp lights, check for open Tan/White wire between key switch and window motor.

TAILGATE WINDOW WILL NOT CLOSE FROM TAILGATE KEY SWITCH, OTHERWISE OPERATES

1) With ignition switch "ON" and tailgate door open, place key switch in "UP" position. Using a grounded 12-volt test lamp, probe Lt. Blue wire at key switch. If lamp does not light, replace key switch. If lamp lights, probe Lt. Blue wire at cutout switch.

2) If lamp does not light, check for open Lt. Blue wire between key switch and cutout switch. If lamp lights, check for open in Lt. Blue wire between cutout switch and window motor. If wire is okay, replace cutout switch.

REMOVAL & INSTALLATION

WINDOW MOTOR

Removal

1) Secure window regulator lift arms and remove window glass from lift arms. Drill a ⅛" (3.2 mm) hole through the sector gear and backplate. Install a sheet metal screw into the hole locking the sector gears in position.

2) Disconnect drive cable at regulator. Remove motor attaching screws and motor, and detach harness.

Power Windows

GENERAL MOTORS TAILGATE (Cont.)

Installation

To install, reverse removal procedure.

CUT-OUT SWITCH

Removal

Disconnect left side remote control rod from center control by removing retaining clip. Remove side latch retaining screws and disconnect cut-out switch wiring. Remove side latch assembly and screws holding latch to switch.

Installation

To install, reverse removal procedures.

JACKSCREW REGULATOR

CAUTION: If window glass is removed, or disengaged from regulator lift arms, the regulator lift arms must be secured before removing jackscrew. Regulator lift arms are under spring pressure and may cause injury if not secured.

Removal

1) Drill a 1/8" (3.2 mm) hole through sector gear and back plate, and install a sheet metal screw in hole to secure sector gears in position.

2) Disconnect drive cable at jackscrew. Remove regulator jackscrew attaching screws and remove jackscrew assembly.

Installation

To install, reverse removal procedures.

Fig.2: Power Tailgate Window Components