

HATCH & FUEL DOOR RELEASE - POWER

1998 ACCESSORIES & EQUIPMENT General Motors Corp. - Power Hatch & Fuel Door Release

DESCRIPTION & OPERATION

Hatch release system allows rear hatch to be opened using a rear compartment lid release switch. Release switch is part of fog lamp/rear compartment lid release switch located on instrument panel, to left of steering column. Rear hatch may also be opened by Remote Function Actuator (RFA) module. RFA module receives signals electronically from Remote Keyless Entry (RKE) transmitter. In the event of an electrical malfunction, hatch may also be opened by using manual release cables located under carpet in rear center storage compartment.

Fuel filler door release switch is located in center console storage compartment. In the event of an electrical malfunction, fuel filler door may also be released by a manual release cable located in rear compartment, against driver's side upper trim.

TROUBLE SHOOTING

Ensure all ground connections are clean and tight. Check fuses, and replace as necessary. If fuses are blown, check for short to ground in power supply circuit. Visually inspect for broken or open wires. Check for a broken or partially broken wire inside insulation which could cause system malfunction but prove good in a continuity/voltage check with system disconnected. Ensure any aftermarket electronic equipment is properly installed.

SYSTEM TESTS

NOTE: On models with RKE system, check operation of all RKE transmitter functions. If RKE transmitter is malfunctioning, see REMOTE KEYLESS ENTRY SYSTEM article.

REAR COMPARTMENT LID RELEASE INOPERATIVE

1. Connect scan tool to Data Link Connector (DLC) located on left side of instrument panel, to right of steering column. Check if any Diagnostic Trouble Codes (DTCs) are set. If no DTCs are set, go to next step. If DTCs are set, diagnose DTC. See TESTS W/CODES article in ENGINE PERFORMANCE section.
2. Disconnect fog lamp/rear compartment lid release switch connector. Using a DVOM, measure voltage at fog lamp/rear compartment lid release switch connector terminal No. 1 (Orange wire). See WIRING DIAGRAMS . If voltage is 10-14 volts, go to step 3). If voltage is not 10-14 volts, go to step 5).
3. Using a DVOM, check for continuity of Black wire between fog lamp/rear compartment lid release switch connector terminal No. 6 and Body Control Module (BCM) connector C2 terminal D9. See WIRING DIAGRAMS . If continuity exists, go to next step. If continuity does not exist, go to step 6).
4. Replace fog lamp/rear compartment lid release switch. See FOG LAMP/REAR COMPARTMENT LID RELEASE SWITCH under REMOVAL & INSTALLATION.
5. Repair open in Orange wire between instrument panel electrical center and fog lamp/rear compartment lid

release switch.

6. Repair open in Black wire between fog lamp/rear compartment lid release switch and BCM.

FUEL FILLER DOOR RELEASE INOPERATIVE

1. Disconnect fuel filler door release switch connector. Using a DVOM, measure voltage at fuel filler door release switch connector terminal "D" (Orange wire). See **WIRING DIAGRAMS** . If voltage is 10-14 volts, go to next step. If voltage is not 10-14 volts, go to step 6).
2. Remove fuel filler door lock. Using a DVOM connected to ground, measure voltage at fuel filler door release switch terminal "E" (Pink wire) with switch in release position. See **WIRING DIAGRAMS** . If voltage is 10-14 volts, go to next step. If voltage is not 10-14 volts, go to step 7).
3. Using a DVOM, check for continuity of Pink wire between fuel filler door release switch connector terminal "E" and fuel filler door release solenoid connector terminal "A". See **WIRING DIAGRAMS** . If continuity exists, go to next step. If continuity does not exist, go to step 8).
4. Disconnect fuel filler door release solenoid connector. Using a DVOM, check for continuity of Black wire between fuel filler door release solenoid connector terminal "B" and splice pack No. 302 connector terminal "K" (ground connection). See **WIRING DIAGRAMS** . If continuity exists, go to next step. If continuity does not exist, go to step 9).
5. Adjust fuel filler door release switch to release position. Using a DVOM, measure voltage between fuel filler door release solenoid terminals "A" (Pink wire) and "B" (Black wire). See **WIRING DIAGRAMS** . If voltage is 10-14 volts, go to step 10).
6. Repair open in Orange wire between instrument panel electrical center and fuel filler door release switch.
7. Replace fuel filler door release switch. See **FUEL FILLER DOOR RELEASE SWITCH** under REMOVAL & INSTALLATION.
8. Repair open in Pink wire between fuel filler door release switch and fuel filler door release solenoid, or replace instrument panel electrical center located in passenger side footwell, under carpet.
9. Repair open in Black wire between fuel filler door release solenoid and splice pack No. 302 (ground connection).
10. Replace fuel filler door release solenoid. See procedures in **FUEL FILLER DOOR RELEASE SOLENOID** under REMOVAL & INSTALLATION.

REMOVAL & INSTALLATION

CAUTION: When battery is disconnected, vehicle computer and memory systems may lose memory data. Driveability problems may exist until computer systems have completed a relearn cycle. See **COMPUTER RELEARN PROCEDURES** article in **GENERAL INFORMATION** section before disconnecting battery.

FOG LAMP/REAR COMPARTMENT LID RELEASE SWITCH

Removal & Installation

Carefully pry lower edge of fog lamp/rear compartment lid release switch to release locking tabs. Pull switch

away, to release locking tabs. Disconnect electrical connector from fog lamp/rear compartment lid release switch and remove switch. To install, reverse removal procedure.

FUEL FILLER DOOR RELEASE SOLENOID

Removal & Installation

1. Remove center and left rear storage compartment trim panels. Remove rear compartment carpet trim panels. Remove carpet from inner wheelwell. Open fuel filler door. Remove nut from fuel filler door release cable. Remove fuel filler door release solenoid mounting nut. Disconnect electrical connector from fuel filler door release solenoid. Remove solenoid and cable.
2. Remove wheelwell liner panel for cable installation access. To install, reverse removal procedure. Tighten nuts to 18 INCH lbs. (2 N.m).

FUEL FILLER DOOR RELEASE SWITCH

Removal & Installation

Remove instrument panel accessory trim plate and reposition center console. While supporting center console, disconnect electrical connector from fuel filler door release switch. Using a small, flat-blade screwdriver, release switch locking tabs from underside of console. Remove fuel filler door release switch from console. To install, reverse removal procedure.

REAR COMPARTMENT LID RELEASE SOLENOID

NOTE: Procedure applies to either left or right release solenoid. Solenoid is located on rear compartment latch assembly.

Removal & Installation

Open rear hatch. Remove rear floor storage compartment covers. Remove rear compartment carpet trim panels. Disconnect electrical connectors from rear compartment lid release solenoid. Remove taillights for access to latch bracket nuts. Remove latch bracket mounting nuts. Remove latch bracket and latch assembly. To install, reverse removal procedures. Tighten latch bracket mounting nuts to 89 INCH lbs. (10 N.m).

WIRING DIAGRAMS

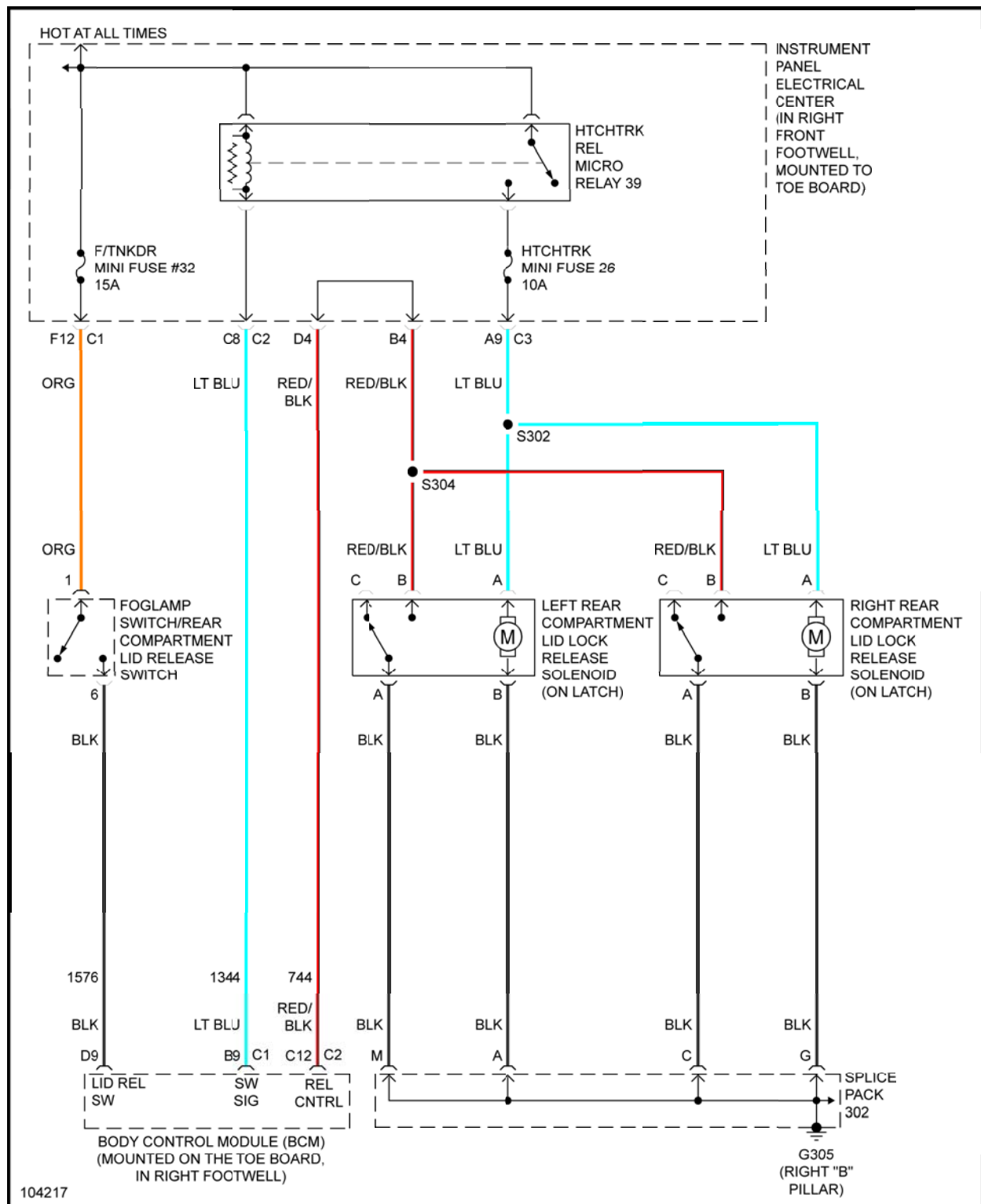
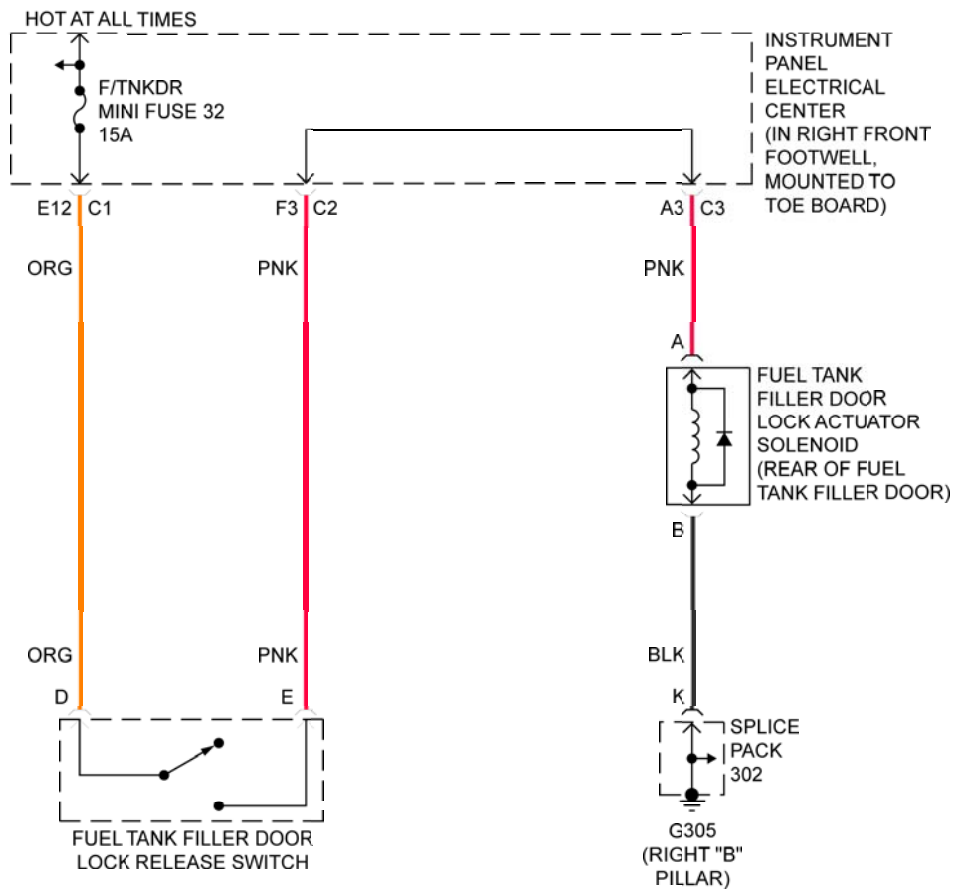


Fig. 1: Power Hatch Release Wiring Diagram





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Fig. 2: Power Fuel Door Release Wiring Diagram

