

TRUNK & FUEL DOOR RELEASE - POWER

1998 Pontiac Bonneville

1998 ACCESSORIES & EQUIPMENT
General Motors Corp. - Power Trunk & Fuel Door Release
Pontiac; Bonneville

DESCRIPTION & OPERATION

Trunk lid can be opened using key or the rear compartment lid release switch located on driver's door, below armrest. Rear compartment lid release switch has a valet setting (remote trunk release lock-out) to disable trunk lid operation. Valet switch is located on trunk lid latch assembly. Trunk lid may also be opened using Remote Function Actuator (RFA) module. RFA module receives signals electronically from Remote Keyless Entry (RKE) transmitter. Trunk lid release and RKE system will only function with vehicle in Park and valet switch off.

Fuel filler door release system works in conjunction with power door lock system. A manual fuel filler door release mechanism, located in trunk compartment, can be used in the event of an electrical malfunction.

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 valet lockout switch located on trunk lid latch assembly is in OFF position. Ensure gear selector is in Park. 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) Place gear selector in Park. Place valet switch in ON position. Remove rear compartment lid release relay from instrument panel junction block located behind right side of instrument panel. Connect test light between rear compartment lid release relay connector terminal No. 86 (Orange wire) and ground, and then between terminal No. 30 (Orange wire) and ground. See WIRING DIAGRAMS.

2) If test light illuminates for both terminals, go to next step. If test light does not illuminate for both terminals, check suspect Orange wire for an open or short. Check RAC/TRUNK REL fuse No. 2 (15-amp) located in instrument panel junction block. Repair as necessary.

3) Connect test light between rear compartment lid release relay connector terminals No. 86 (Orange wire) and No. 85 (Light Blue wire). See WIRING DIAGRAMS. Ensure valet switch is in ON position. Press rear compartment lid release switch. If test light does not illuminate, go to next step. If test light illuminates, go to step 10).

4) Connect a fused jumper wire between rear compartment lid release relay connector terminals No. 86 (Orange wire) and No. 85 (Light Blue wire). See WIRING DIAGRAMS. Disconnect valet switch connector. Connect test light between valet switch connector terminal "A" (Light Blue wire) and ground. If test light illuminates, go to next step. If test light does not illuminate, check Light Blue wire for an open between junction block and valet switch.

5) Connect test light between valet switch connector terminals "A" (Light Blue wire) and "B" (Black wire). See WIRING DIAGRAMS. Press rear compartment lid release switch. If test light does not illuminate, go to next step. If test light illuminates, check for poor connection at valet switch connector. If connection is okay, replace valet switch. See VALET SWITCH under REMOVAL & INSTALLATION.

6) Reconnect valet switch connector. Place valet switch in ON position. Disconnect rear compartment lid release switch connector. Connect test light between rear compartment lid release switch connector Black wire terminal "B" and ground. See WIRING DIAGRAMS. If test light illuminates, go to next step. If test light does not illuminate, check Black wire for an open between valet switch and rear compartment lid release switch.

7) Connect test light between rear compartment lid release switch connector terminals. See WIRING DIAGRAMS. If test light does not illuminate, go to next step. If test light illuminates, check for poor connection at rear compartment lid release switch connector. If connection is okay, replace rear compartment lid release switch. See REAR COMPARTMENT LID RELEASE SWITCH under REMOVAL & INSTALLATION.

8) Disconnect Park/Neutral Position (PNP) switch connector. Connect a fused jumper wire between rear compartment lid release switch connector terminals. See WIRING DIAGRAMS. Connect test light between PNP switch connector terminal "A" (Orange/Black wire) and ground. See WIRING DIAGRAMS. If test light illuminates, go to next step. If test light does not illuminate, check Orange/Black wire for an open between rear compartment lid release switch and PNP switch.

9) Connect test light between PNP switch connector terminals "A" (Orange/Black wire) and "D" (Black/White wire). See WIRING DIAGRAMS. If test light illuminates, check for poor connection at PNP switch connector. If connection is okay, replace PNP switch. See PARK/NEUTRAL POSITION (PNP) SWITCH under REMOVAL & INSTALLATION. If test light does not illuminate, check Black/White wire for an open, or for poor ground connection. Ground connection is located at right rear of engine compartment, below power steering pump.

10) Remove rear compartment lid release relay from instrument panel junction block. Close trunk lid. Momentarily connect a fused jumper wire between rear compartment lid release relay connector terminals No. 30 (Orange wire) and No. 87 (Black/White wire). See WIRING DIAGRAMS. If trunk lid does not open, go to next step. If trunk lid opens, check for poor connection at rear compartment lid release relay connector. If connection is okay, replace rear compartment lid release relay located in instrument panel junction block, behind right side of instrument panel.

11) Disconnect rear compartment lid release solenoid connector. Connect a fused jumper wire between rear compartment lid release relay connector terminals No. 30 (Orange wire) and No. 87 (Black/White wire). See WIRING DIAGRAMS. Connect test light between rear compartment lid release solenoid connector terminal "A" (Black/White wire) and ground. If test light illuminates, go to next step. If test light does not illuminate, check Black/White wire for an open between junction block and rear compartment lid release solenoid.

12) Connect test light between rear compartment lid release solenoid connector terminals "A" (Black/White wire) and "B" (Black wire). See WIRING DIAGRAMS. If test light illuminates, check for poor connection at rear compartment lid release solenoid connector. If

connection is okay, replace rear compartment lid release solenoid. See REAR COMPARTMENT LID RELEASE SOLENOID under REMOVAL & INSTALLATION. If test light does not illuminate, check Black wire for an open, or for poor ground connection. Ground connection is located in trunk compartment, rear of left side wheelwell.

FUEL FILLER DOOR RELEASE INOPERATIVE

See POWER DOOR LOCKS article.

REMOVAL & INSTALLATION

* PLEASE READ THIS FIRST *

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.

FUEL FILLER DOOR RELEASE SOLENOID

Removal & Installation

Remove trunk compartment trim panel. Remove screw retaining latch to fuel filler pocket. Remove grommet and latch assembly. Remove fuel filler door release solenoid attaching bolts. Disconnect electrical connector from fuel filler door release solenoid and remove solenoid. To install, reverse removal procedure.

PARK/NEUTRAL POSITION (PNP) SWITCH

Removal

Park/Neutral Position (PNP) switch is located in left side of transaxle, below EGR valve. Place gear selector in Neutral. Apply parking brake. Disconnect negative battery cable. Disconnect electrical connector from PNP switch. Remove shift linkage retaining nut and remove cable. Remove shift linkage lever. Remove PNP switch mounting bolts and remove PNP switch assembly.

Installation & Adjustment

1) To install, place shift shaft in Neutral. Align flats on shift shaft to flats on switch assembly, and install switch assembly. Loosely install PNP switch mounting bolts. If installing a new switch, switch is pinned in Neutral position. If installing an old switch, or if pin in new switch is broken, insert Alignment Tool (J-41545) and rotate switch until tool drops into position.

2) Tighten PNP switch mounting bolts to 18 ft. lbs. (24 N.m). Install lever and cable. Tighten shift linkage retaining nut to 15 ft. lbs. (20 N.m). Ensure engine only starts in Park or Neutral. Readjust switch if engine starts in any position other than Park or Neutral. Remove alignment tool. To complete installation, reverse removal procedure.

REAR COMPARTMENT LID RELEASE SOLENOID

Removal & Installation

Rear compartment lid release solenoid is located on trunk lid latch assembly. Open trunk lid. Disconnect electrical connector from trunk lid latch assembly. Remove trunk lid latch assembly attaching bolts and remove latch assembly. To install, reverse removal procedure.

REAR COMPARTMENT LID RELEASE SWITCH

Removal & Installation

Carefully pry lower edge of rear compartment lid release switch to release locking tabs. Pull switch away to release locking tabs. Disconnect electrical connector from rear compartment lid release switch and remove switch. To install, reverse removal procedure.

VALET SWITCH

Removal & Installation

Carefully pry lower edge of valet switch to release locking tabs. Pull switch away to release locking tabs. Disconnect electrical connector from valet switch and remove switch. To install, reverse removal procedure.

WIRING DIAGRAMS

NOTE: Fuel filler door release system, see POWER DOOR LOCKS article.