

2004 - 2009 Cadillac XLR: Service Bulletin: Battery Drain Check List

#PIC4474B: Battery Drain Check List - Cadillac XLR Models - keywords adaptor column draw harness interface IPOD lamp light lights lock manual parasitic program shift shifter steering transmission wheel - (Feb 20, 2009)

Subject: Battery Drain Check List - Cadillac XLR Models
Models: 2004 - 2009 Cadillac XLR models

This PI was superseded to update model years. Please discard PIC4474A.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern:

A customer may comment on an intermittent battery drain.

Recommendation/Instructions:

If a complaint of a battery drain arrives to a dealer it is important to do a little product investigation prior to applying battery power or jump starting the vehicle. Please read each step carefully. Only perform the steps that have the model year of the vehicle in question.

1. Use the emergency entry procedure to enter the car, unlock the trunk and release the driver's door.
2. Open the hood and apply battery power, either to jump or charge the battery. **DO NOT START THE ENGINE.** Enter the

car, close the door and wait for 90 seconds. Take note of what is on. Address any items that are on.

- Are the headlamp or day time running lamps lit? With the key off there should not be any lamps lit. Perhaps the headlamp switch has been inadvertently turned on. Remember the only time the headlamps are turned off are in the off position or automatic. If the customer has turned the stalk to parking lamps or headlamps the headlamps will be lit when the ignition is off. There should be a chime to remind the driver the lamps are lit but often times the chime is ignored. These are on the 20 minute battery saver circuits but it does not take many short trips (several start and stops) to draw the battery down to a voltage that will prevent the car from starting.
- Does the customer own an I-Pod? It is possible an I-Pod interface has been installed. This device connects directly to the radio at the XM connection. It will keep the audio powered after shutdown. Even if the IPOD device has been unplugged, this device must be removed from the vehicle completely. The device triggers the Bus to maintain power even when the device is not powered.
- After 2 minutes are there any interior lamps on? Visually check the map lamps on the rear view mirror and vanity lamps. Often these lamps can be bumped and if the car is only driven during the day it will not be noticed. Under dash lamps are controlled by the courtesy lamp switch. Many customers do not realize that the switch has been bumped and they have been turned on. It can be bumped and turned on and go unnoticed. There should not be any lamps on in the interior of the car after 3 minutes if the ignition has not been turned on, including the cluster. Note anything

that is on. Make sure the personalization switches for the DIC and/or seat are not stuck on. Verify shifter position and DIC messages, should not read "Shift to Park", see PIC3667C if the DIC reads "Shift to Park".

3. Check for electrical accessories plugged into the cigarette lighter and the accessory plug in the console. Even though there may not be anything plugged into the accessory cord it can be a source of battery draw.
4. Use the Tech2 to monitor the key cylinder operation for the deck lid. Be sure this cylinder changes status on the Tech2 as the cylinder is rotated. An "Active" input to the BCM may keep the BCM awake and induce a battery drain condition. The Tech2 path is... Model Year > Passenger Car > Cadillac > Y Car > Body and Accessories > Theft Deterrent > Data Display > Body Control Module > locate the parameter labeled "Trunk Key Cylinder Switch". This item should change from Active to Inactive and the cylinder is rotated.
5. Remove the CTSY/LAMP fuse from the electrical center. Perform a 20 minute parasitic draw test. Was the draw eliminated with the CTSY/LAMP lamp fuse removed? If so, remove 1732 circuits from the BCM, Connector C4 terminals D5 and E5 and Connector C3 terminal A3. Test for continuity to ground on each terminal. There should be no ground continuity with all devices turned off, trunk/hatch closed and door latches closed. Diagnose and repair circuit conditions on any 1732 branch with unwanted grounding path. Normal system operation will have a signal voltage on the 1732 circuit while powered down and all three 1732 circuits installed at the BCM in their proper connectors.

Note: There have been reports of buttons on the Universal Garage Door Opener sticking. This device could lead to an intermittent battery drain. Unplug the driver's side

visor/sunshade and evaluate. When a button sticks, the vehicles battery draw is typically around 250mA. This device is powered by the 1732 courtesy circuit listed above.

6. Finally if all of the above information has been inspected and Strategy Based Diagnostics have been performed with no resolution, reprogram the PCM/ECM with the latest calibration in TIS2WEB (2004-2007 model year vehicles ONLY) and then the RCDLR (bulletin 07-06-03-001B for RCDLR programming model years 2005-2007 ONLY) with the latest calibration through TIS-2WEB. Once the calibrations have been down loaded to the PCM/ECM and RCDLR, release the vehicle for customer to evaluate. The latest calibrations for these two modules were released to correct battery drain issue concerns.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

Online URL:

<https://www.xlr-net.com/knowledgebase/article/2004-2009-cadillac-xlr-service-bulletin-battery-drain-check-list-21.html>