



Durability Event: Global Accessories

1 Introduction

Note: Nothing in this standard supercedes applicable laws and regulations.

Note: In the event of conflict between the English and domestic language, the English language shall take precedence.

1.1 Purpose. To subject a test vehicle to operation which simulates customer service related to actuations of hinged components, locks, and accessory items.

1.2 Applicability. The test instructions covered in this standard are intended for use in passenger car and truck testing and should be adapted at all major GM test sites:

- Cruz Alta Proving Ground – Brazil
- Desert Proving Ground Yuma – USA
- Dudenhofen Proving Ground – Germany
- Guangde Proving Ground – China
- Lang Lang Proving Ground – Australia
- Milford Proving Ground – USA
- Millbrook Proving Ground – England

1.3 Remarks. Some of the vehicle's accessory items are operated incidentally during the execution of a durability test (doors, windows, head lamps, radio, windshield wipers, air conditioning, etc.) Refer to Appendix A: Accessory Check Sheet, for additional driver assistance.

Note: The passenger side doors are not to be opened in an effort to simulate low usage. Exceptions include normal inspections, repairs, ballasting, or to execute instructions in this standard.

2 References

Note: Only the latest approved standards are applicable unless otherwise specified.

2.1 External Standards/Specifications.

None

2.2 GM Standards/Specifications.

GMW15444

3 Resources

3.1 Facilities. The specific location/facility used at each proving ground varies. Refer to the appropriate parent specification.

3.1.1 Calibration. The test facilities and equipment shall be in good working order and shall have a valid calibration label.

3.1.2 Alternatives. Alternative test facilities and equipment may also be used. However, all measuring variables as specified in this standard shall be determined correctly with respect to their physical definition.

3.2 Equipment. Refer to the appropriate parent specification.

3.3 Test Vehicle/Test Piece. Refer to the appropriate parent specification.

3.4 Test Time. GMW15677 should take approximately 10 minutes to perform.

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3.5 Test Required Information. The responsible test engineer should identify any additional accessories not listed in this event.

3.6 Personnel/Skills. Refer to the appropriate parent specification.

4 Procedure

4.1 Preparation. This driving event consists of a series of driver operations inside and outside the test vehicle (operating doors, locks, trunk, tailgate, seats, and other features). Other accessories not specified in this standard should be exercised where appropriate.

4.1.1 Proceed to the testing area.

4.1.2 With engine off, turn the ignition switch to the **ON** position.

4.1.3 If vehicle has power windows, completely lower the front and rear driver side windows with the driver control switches. If equipped with a power rear sliding window, completely open the window. Engage power window lockout/isolating switch. If not equipped with power windows, manually crank the driver window fully open.

4.1.4 If the vehicle is equipped with trunk/hatch/tailgate remote release switches (passenger vehicles) inside the vehicle, actuate all the trunk/hatch/tailgate remote release switches. If the vehicle is equipped with a remote switch at the driver location for a passenger side power cargo door, actuate the power cargo door with the remote switch.

4.1.5 If the vehicle is equipped with power door locks, lock and unlock the doors with the driver control switch.

4.1.6 If vehicle is equipped with power sunroof that can be closed remotely with Remote Keyless Entry (RKE) operation, open sunroof.

4.1.7 Turn the ignition switch to the **OFF** position, and remove the key from ignition switch.

4.2 Conditions. Refer to the appropriate parent specification.

4.2.1 Environmental Conditions. In situations where severe weather makes driving unsafe, this event should be postponed until conditions improve.

4.2.2 Test Conditions. Deviations from the requirements of this standard shall have been agreed upon. Such requirements shall be specified on component drawings, test certificates, reports, etc.

4.3 Instructions.

4.3.1 Remote Keyless Entry Operation.

4.3.1.1 If so equipped, use the RKE to lock the doors from approximately two feet from the vehicle (near B pillar). Use the RKE to unlock the doors while observing that the driver's door unlocks on the first push and all remaining doors unlock on second push. Use the RKE to close the sunroof and windows, if so equipped.

4.3.2 Driver Door.

4.3.2.1 Open and close the driver's door from inside three (3) times. While opening the door, open it to the first detent or to arm's length, whichever is greater.

4.3.2.2 Open the driver's door to its full open position and exit the vehicle using the interior assist handle, if so equipped. Leave door fully open.

4.3.2.3 For vehicles equipped with forward folding front seats that provide rear compartment access, tilt the seatback fully forward, then return the seatback to the upright driving position.

4.3.2.4 Close the driver door. Lock the door using the keyed lock cylinder, if so equipped for regular usage. (Do not remove the cover of the emergency keyed lock cylinder.) If equipped with a button on the door handle instead of a keyed lock cylinder, push the button to lock the door. Check the operation of the lock by trying to open the locked door. Unlock the door, using the same system.

4.3.2.5 Fully open the driver's door, turn accessory power on and verify all power windows are lowered. Close the driver's door. Fully open and close driver's door one (1) more time from the outside without actuating the door lock or adjusting the folding seats.

4.3.3 Rear Driver Side Door(s).

4.3.3.1 Open rear driver side door(s), including any sliding cargo door, to their full open position. If equipped with manually actuated window(s), crank the window(s) fully open. Engage child lock, shut the door. From the outside

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the vehicle, check the child lock operation by attempting to open door(s) with the interior door latch handle. Open door from outside and disengage child lock.

Note: Child lock switch may be located at the driver's seat position.

4.3.3.1.1 Check operation of the window lockout/isolating switch by attempting to close the driver side rear window using the driver side rear window switch.

4.3.3.2 For vehicles so equipped, exercise folding rear seats, adjustable rear arm rests, adjustable head restraints, etc., that are within convenient reach. Disregard if equipment is obstructed by vehicle ballast.

4.3.3.3 Close the door(s). Lock the door(s) using the keyed lock cylinder, if available, or the manually actuated interior lock handle.

4.3.3.4 From outside the vehicle, check the lock(s) operation by attempting to open door(s) with the interior and exterior door latch handles.

4.3.3.5 Unlock the rear driver side door(s) with the keyed lock cylinder, if so equipped, or the manually actuated interior lock handle. Open the door(s) with the interior door latch handle. Fully close the window.

4.3.3.6 Fully open and close the driver side rear door(s) two (2) times.

4.3.4 Trunk/Hatch/Tailgate, Power Cargo Door.

4.3.4.1 If the trunk/hatch/tailgate latch was released with the remote release in 4.1.4, completely open and close the trunk/hatch/tailgate from outside the vehicle.

4.3.4.1.1 If the trunk/hatch/tailgate latch was not released in 4.1.4, use the RKE to unlock, then unlatch and completely open and close the trunk/hatch/tailgate from outside the vehicle. Use the keyed lock cylinder if not equipped with remote keyless entry.

4.3.4.2 Use the keyed lock cylinder and/or touchpad to unlatch the trunk/hatch/tailgate, then fully open and manually close the trunk/hatch/tailgate.

4.3.4.3 Use the remote keyless entry to unlock the trunk/hatch/tailgate. Use keyed lock cylinder if not equipped with the RKE. Fully open. If the vehicle is equipped with a power liftgate, close by the button located on the gate, otherwise manually close the trunk/hatch/tailgate.

4.3.4.4 If the vehicle is equipped with a foot-activated trunk/hatch/tailgate, fully open and close the trunk/hatch/tailgate using this function.

4.3.5 Passenger Side Sliding Cargo Door.

4.3.5.1 If passenger side power cargo door was opened with the interior remote switch in 4.1.4, close the cargo door. If so equipped, use the RKE to close the door.

4.3.5.2 Use the RKE to open the door fully. Enter the vehicle through the sliding cargo door if accessible and close the door. Open the door using the appropriate door latch handle exit the vehicle as required. Close the sliding cargo door using the exterior door latch handle.

Note: If vehicle is not equipped with passenger side sliding power cargo door, manually open and close the passenger side cargo door three times.

4.3.6 Rear Compartment Access Panel.

4.3.6.1 If the vehicle is equipped with a rear compartment access panel on the passenger side only, open the panel to its full open position and then close. Repeat for a total of three (3) openings and closings.

Note: Open passenger side front door only once as needed to open rear compartment access panel.

4.3.7 Driver Door.

4.3.7.1 Open the driver's door to its full open position, enter the vehicle, and close the door. Raise/close all windows fully. Disengage power window lockout/isolating switch. This event consists of a series of driver operations inside the test vehicle (operating lights, seats, horn, HVAC, and other items).

Drivers are encouraged to check the operation and performance of the accessories listed here and others while driving other events, as time and comfort allow.

Note: Check with Durability Operations for standard headlight operation.

4.3.8 Interior Component Cycles. Leave the vehicle parked and the engine turned off and cycle through the following items:

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