



FMVSR563 – BCM Gateway

1 Scope

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. This standard is intended to test all of the requirements for the Body Control Module (BCM) as it relates to the MVSR563, Event Data Recorders (EDR) requirements.

1.2 Foreword. This standard tests the electrical functions that support the FMVSR563 requirements.

1.3 Applicability. This standard is applicable to all vehicles produced on or after September 1, 2012.

FMVSR563 applies to EDR-equipped passenger cars, multipurpose passenger vehicles, trucks, and buses with a gross vehicle weight rating (GVWR) of 3855 kg (8500 lb) or less and an unloaded vehicle weight of 2495 kg (5500 lb) or less, except for walk-in van-type trucks or vehicles designed to be sold exclusively to the U.S. Postal Service.

2 References

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

2.1 External Standards/Specifications.

None

2.2 GM Standards/Specifications.

None

2.3 Additional References.

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3 Resources

3.1 Facilities. Not applicable.

3.2 Equipment. A serial data interface and a supporting personal computer (PC) Application Software are required.

3.3 Test Vehicle/Test Piece. This procedure should be performed on EDR-equipped vehicles.

3.4 Test Time.

Calendar time: ½ day

Test hours: 1 hour

Coordination hours: 8 hours

3.5 Test Required Information. Not applicable.

3.6 Personnel/Skills. This testing requires an engineer who has knowledge of GM Local Area Network (GMLAN) serial data messaging, including the ability to read, transmit, and interpret the serial data messages.

4 Procedure

4.1 Preparation. The Body Control Module must have the latest software and program-specific calibrations.

4.2 Conditions. The test should be performed at a normal operating system voltage (13 V).

4.2.1 Environmental Conditions. Not applicable.

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. Follow the instructions specified in CG3066.

5 Data

5.1 Calculations. Not applicable.

5.2 Interpretation of Results. Per CG3066 Results column

- Meets Requirements = Pass or Present
- Does Not Meet Requirements = Fail or Not Present

5.3 Test Documentation. Document the issues in the Problem Resolution Tracking System (PRTS+). Prepare an Evaluation Report including any unusual observations and attach the completed CG3066.

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6 Safety

This standard may involve hazardous materials, operations, and equipment. This standard does not propose to address all the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

7 Notes

7.1 Glossary. Not applicable.

7.2 Acronyms, Abbreviations, and Symbols.

BCM	Body Control Module
EDR	Event Data Recorder
FMVSR	Federal Motor Vehicle Safety Regulation
GMLAN	GM Local Area Network
GVWR	Gross Vehicle Weight Rating
PC	Personal Computer
PRTS+	Problem Resolution Tracking System

8 Coding System

This standard shall be referenced in other documents, drawings, etc., as follows:

Test to GMW16786

9 Release and Revisions

This standard was originated in March 2012. It was first approved by Electrical - Global Occupant Protection Workgroup in May 2012. It was first published in May 2012.

Issue	Publication Date	Description (Organization)
1	MAY 2012	Initial publication.

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