



Function Check of Rear Seat Backrest Locking System

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. This standard defines the requirements, test conditions and test procedure for the functional tests of folding rear seat backrest locking systems.

The function checks in the various assembly stages shall be performed on the supplier's premises, in Engineering, in production, and by Quality Assurance.

1.2 Applicability. Folding rear seat backrest locking systems.

1.3 Remarks. Not applicable.

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.

Seat System Subsystem Technical Specification (SSTS)

Component Technical Specification (CTS)

3 Resources

3.1 Facilities.

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.

3.2.1 Mounts for all functional tests.

3.2.2 Spring balance for measuring tension and pressure, with maximum indicator for recording maximum force. Measurement range 250 N maximum.

3.3 Test Vehicle/Test Piece. Rear seat backrest locking system at 4 assembly stages in 5 functional tests (for split rear seat backrest, left and right parts).

3.4 Test Time.

Calendar time: 0.5 days

Test hours: 2 h

Coordination hours: 2 h

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Page 1 of 5

3.5 Test Required Information. Not applicable.

3.6 Personnel/Skills. The following individuals are necessary to complete this Test Procedure:

- General Motors Validation Engineer
- Testing organization's Test Engineer
- Testing organizations Test Technician

4 Procedure

4.1 Preparation.

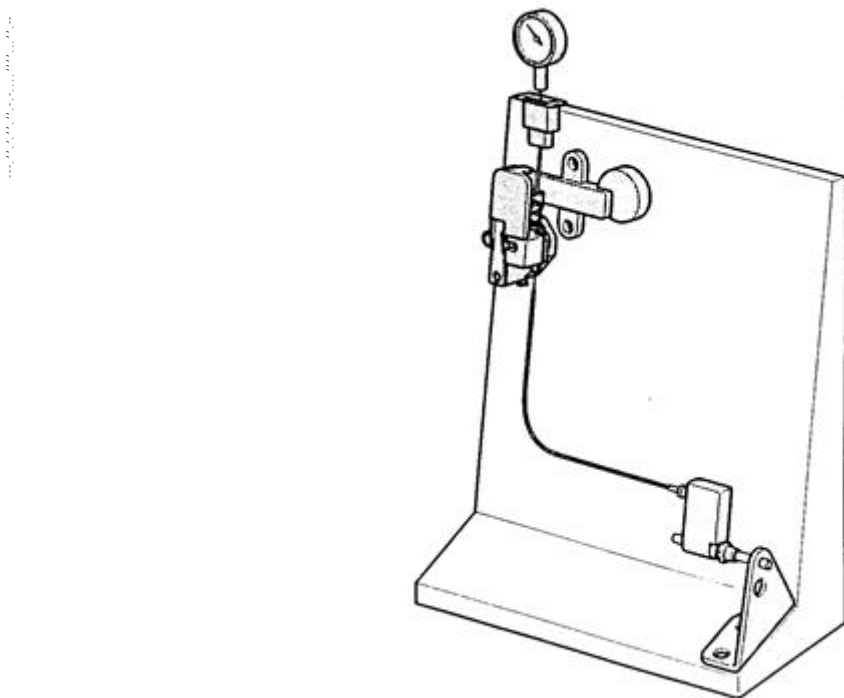
4.1.1 The relevant assembly stage of the rear seat backrest locking system shall be mounted in a similar manner to the assembly in the vehicle.

- Functional test 1 Locking system is mounted in test equipment.
- Functional test 2 Locking system is mounted on rear seat backrest sheet metal.
- Functional test 3 Rear seat backrest complete.
- Functional test 4 Rear seat backrest complete in vehicle.
- Functional test 5 Rear seat backrest complete in O-body or O-support.

4.1.2 Release Forces.

4.1.2.1 Release Force of Locking System Mounted in Test Equipment. See Figure 1.

Figure 1: Functional Test 1



4.1.2.2 Release Force of Locking System Mounted in Rear Seat Backrest Sheet Metal. See Figure 2.

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Page 2 of 5

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