

97-GP SERIES

CANCELLATION
March 1971

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Standards
for

AUTOMOTIVE VEHICLE SAFETY

Standards 97-GP-101 to 97-GP-301 inclusive, covering safety features for automotive vehicles, have been cancelled. They have been replaced by the Motor Vehicle Safety Regulations of the Ministry of Transport, which are available from Information Canada.

Publication 97-GP, Guide to Traffic Safety, has also been cancelled.

97-GP-111
24 May 1968
AMENDMENT NO. 1
16 August 1968

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

STANDARD

for

REARVIEW MIRRORS - PASSENGER CARS AND
MULTIPURPOSE PASSENGER VEHICLES

4. DETAIL REQUIREMENTS

4.1 Change the heading to read:

Inside Rearview Mirror

4.1.1 Field of View - Change the first sentence to read:

"A mirror shall be installed that provides the driver with a view"

4.2 Outside Mirrors

4.2.1.1 Field of View - Change the first sentence to read:

"An outside mirror shall be installed that provides the driver with a view"

4.2.1.2 Mounting - Change the first sentence to read:

"The mounting shall provide to the extent necessary to produce a field of view meeting or exceeding the requirements of 4.2.1.1."

5. NOTES

5.1 Interpretations

5.1.2 Change the last line to read:

"location appropriate for any 95th percentile male driver."



CANADIAN GOVERNMENT SPECIFICATIONS BOARD

STANDARD

FOR

REARVIEW MIRRORS - PASSENGER CARS AND
MULTIPURPOSE PASSENGER VEHICLES

97-GP 111

24 MAY 1968

THIS STANDARD SPECIFIES REQUIREMENTS FOR REARVIEW MIRRORS TO PROVIDE THE
DRIVER WITH A CLEAR AND REASONABLY UNOBSTRUCTED VIEW TO THE REAR.

DEPARTMENT OF DEFENCE PRODUCTION, OTTAWA, CANADA

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

STANDARD

FOR

REARVIEW MIRRORS - PASSENGER CARS AND
MULTIPURPOSE PASSENGER VEHICLES

1. PURPOSE AND SCOPE

1.1 This standard specifies requirements for rearview mirrors to provide the driver with a clear and reasonably unobstructed view to the rear.

2. APPLICABLE PUBLICATIONS

2.1 The following publications are applicable to this standard:

2.1.1 Society of Automotive Engineers (SAE)
J964, Test Procedure for Determining Reflectivity of Rearview Mirrors, June 1966

2.1.2 Canadian Government Specifications Board (CGSB)
97-GP-104, Windshield Wiping and Washing Systems -
Passenger Cars, May 1968

3. APPLICABILITY

3.1 This standard applies to:

Passenger Cars
Multipurpose Passenger Vehicles
Passenger Cars and Multipurpose Passenger Vehicle Equipment

4. DETAIL REQUIREMENTS

4.1 Inside Rearview Mirror

4.1.1 Field of View - The mirror shall provide the driver a view to the rear, of substantially unit magnification, with an included horizontal angle of at least 20 degrees and sufficient vertical angle to provide a view of a level road surface extending to the horizon beginning at a point not greater than 200 feet to the rear of the vehicle when the vehicle is occupied by the driver and four passengers or the designed occupant capacity, if less, based on 150-pound average occupant weight. The line of sight may be partially obscured by seated occupants or by head restraints.

* See Par 5.2

4.1.2 Mounting

- 4.1.2.1 The mirror mounting shall provide a stable support for the mirror, and shall provide for mirror adjustment by tilting in both horizontal and vertical directions.
- 4.1.2.2 If the mirror is in the head impact area, the mounting shall break away without leaving sharp edges or deflect or collapse when the mirror is subjected to a force of 90 pounds in a forward or side-ward direction in any plane 45 degrees above or below the horizontal.

4.2 Outside Mirrors

4.2.1 Driver's Side

- 4.2.1.1 Field of View - The outside mirror shall provide the driver a view, of substantially unit magnification, of a level road surface extending to the horizon from a line perpendicular to a plane tangent to the driver's side of the vehicle at the widest point and parallel to the longitudinal axis of the vehicle extending 8 feet out from the tangent plane 35 feet behind the driver's eyes, with the seat in the rearmost position. The line of sight may be partially obscured by rear body or fender contours.

- 4.2.1.2 Mounting - The mounting shall provide a stable support for the mirror and neither the mirror nor the mounting shall protrude further than the widest part of the vehicle body, except to the extent necessary to meet the requirements of 4.2.1.1. The mirror shall not be obscured by the unwiped portion of the windshield, and shall be adjustable from the driver's seated position. The mirror and mounting shall be free of sharp points or edges that could contribute to pedestrian injury.

- 4.2.2 Passenger Side - If the inside mirror required by 4.1 does not meet the field of view requirements of 4.1.1, an outside mirror of substantially unit magnification shall be installed on the passenger's side.

- 4.2.2.1 Mounting - The mounting shall provide a stable support for the mirror, and the mirror and mounting shall be free of sharp points or edges that could contribute to pedestrian injury.

- 4.3 Mirror Construction - The reflectance value of the reflective film employed shall be at least 35 per cent. If a mirror is of the selective position prismatic type, the reflectance value in the night driving position shall be at least 4 per cent.

- 4.4 Demonstration Procedures - Reflectance shall be determined in accordance with SAE J964.

5. NOTES

5.1 Interpretations

- 5.1.1 When a supplemental mirror is furnished in addition to the inside rearview mirror and the driver's side outside rearview mirror, the supplemental mirror need not be adjustable from the driver's seat.
- 5.1.2 The location of the driver's eye reference point may be that established in CGSB Standard 97-GP-104, or it may be a nominal location appropriate for any 9th percentile male driver.
- 5.1.3 The horizontal angle is measured from the projected eye point, rather than the plane of the mirror.
- 5.2 The requirements in this standard are identical with those in United States Federal Motor Vehicle Safety Standard No. 111, Rearview Mirrors - Passenger Cars and Multipurpose Passenger Vehicles, and changes in that Standard will be duly incorporated in CGSB Standard 97-GP-111.
- 5.3 Certification to US Standard No. 111 applicable at date of manufacture will certify conformance to CGSB Standard 97-GP-111.
- 5.4 The publications listed in Section 2 are available from the Canadian Government Specifications Board.
- 5.5 Further related information may be found in the CGSB Guide to Traffic Safety, also available from the Canadian Government Specifications Board.