

Example extract from HORIBA MIRA report

**Please note that this is a sample of selected sections from one standard.*



Report

FMVSS Static Assessment - 1

Vehicle

For the attention of [redacted] at [redacted]



Prepared By: [redacted] [redacted] Homologation and Certification Engineer	Approved By: [redacted] [redacted] Principal Certification Engineer	Date: [redacted]
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FMVSS 111: Rear View Mirrors

Section	Requirement summary	Observed vehicle condition
S5.1.2. Inside Rear-view Mirror Mounting	The mounting shall provide a stable support for the mirror and shall provide for mirror adjustment by tilting in both the horizontal and vertical directions.	All adjustments meet the requirements of the regulation. Breakaway performance not assessed.
S5.2.2. Outside Rear-view Mirror (Drivers Side) Mounting	<p>The mounting shall provide a stable support for the mirror, and shall provide be adjustable by tilting in both the horizontal and vertical directions from the driver's seated position. The mirror shall not be obscured by the unwiped portion of the windshield.</p> <p>Neither the mirror nor the mounting shall protrude beyond the widest part of the vehicle body except to the extent necessary to provide the required field of view. The mirror and mounting shall be free of sharp points or edges that could contribute to pedestrian injury.</p>	<p>Mirrors meet the requirements of the regulation for adjustability and obscuration.</p> <p>The extent to which the mirrors are required to protrude requires specialist equipment which is outside of the scope of this test.</p>
S5.3. Outside Rear-view Mirror (Passenger Side) General	<p>Each passenger car whose inside rear view mirror does not meet the field of view requirements of S5.1.1 shall have an outside mirror of unit magnification or a convex mirror installed on the passenger's side.</p> <p>The mirror mounting shall provide a stable support and be free of sharp points or edges that could contribute to pedestrian injury.</p> <p>The mirror need not be adjustable from the driver's seat but shall be capable of adjustment by tilting in both horizontal and vertical directions.</p>	<p>Note: No field of view requirement is specified for this mirror. The mirror was found to be compliant for mounting and adjustment.</p>

<p>S5.4. Convex Mirror Requirements</p>	<p>Where a convex passenger mirror is required, none of the radius of curvature readings shall deviate from the average radius of curvature by more than plus or minus 12.5% (S5.4.1).</p> <p>The mirror lens requires a label at the lower edge stating "Objects in Mirror Are Closer Than They Appear" in characters 4.8mm to 6.4mm high (S5.4.2).</p> <p>The average radius must be 889mm to 1651mm (S5.4.3).</p>	<p>Statement 'Objects in the mirror are closer than they appear' present on lower section of glass.</p> <p>Average measured radius = XXXX.Xmm Minimum XXXX.X = -X.XX% deviation Maximum XXXX.X = +X.XX% deviation</p>
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Photographs



Figure 1 - Drivers Side Wing Mirror Detail



Figure 2 - Drivers Side Mirror Protrusion



Figure 3 - Passenger Side Mirror Warning



Figure 4 - Wing Mirror Adjustment Controls



Figure 5 - Rear View Mirror



Figure 6 - Rear View Mirror Detail

Concerns and comments	None
Recommended additional verification/testing	1. The protrusion of the exterior mirrors should be checked to verify that the extent to which they protrude is necessary to provide the required rear field of view.
Assessed FMVSS compliance	Subject to the above recommended check, the vehicle was found to be compliant