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If trade or manufacturers' names or products are mentioned, it is only because they are considered essential to the object of the publication and should not be construed as an endorsement.

Prepared By: Doris Beebe

Approved By: [Signature]

Accepted By: [Signature]

Acceptance Date: 9/19/11
Final Report of FMVSS NO. 110 Compliance Testing of 2011 Chevrolet Cruze Four-Door Passenger Car, NHTSA No. CB0100

Compliance tests were conducted on the subject 2011 Chevrolet Cruze four-door passenger car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-110P-03 for the determination of FMVSS NO. 110 compliance. Test failures identified were as follows: NONE.
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</tbody>
</table>
SECTION 1

INTRODUCTION

1.1 PURPOSE OF COMPLIANCE TEST

A 2011 Chevrolet Cruze passenger car was tested to determine if the vehicle was in compliance with the requirements of FMVSS No. 110. All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Test Procedure TP-110P-03, dated August 31, 2007.

1.2 TEST VEHICLE

The test vehicle was a 2011 Chevrolet Cruze four-door passenger car. Nomenclatures applicable to the test vehicle are:

A. Vehicle Identification Number: 1G1PC5SH7B7171899

B. NHTSA Number: CB0100

C. Manufacturer: General Motors LLC

D. Manufacture Date: 01/2011

1.3 TEST DATE

The test vehicle was tested March 12 and March 24, 2011.
SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.1 TEST PROCEDURE

Prior to test, the test vehicle was inspected for completeness, systems operability and appropriate fuel and liquid levels, i.e. oil and coolant. The vehicle was then photographically documented. The right front and left rear wheels were removed from the vehicle. Pertinent information on the tires and rims furnished with the vehicle was recorded and tires and rims were photographed.

The vehicle tire placard was photographed and checked for compliance to location, format, and information requirements. Subsequent events included weighing the vehicle to establish delivered curb weight and the distribution of weight on the front and rear axles and each wheel position. Vehicle was ballasted to Normal Load weight, Full Occupant Load weight, and Maximum Vehicle Load weight. At each step of the ballasting procedure, data was recorded. Ballast was photographically documented for the Normal, Full, and Maximum Vehicle Load weights. The tires and rims labeled and installed on the vehicle were verified to be appropriate for the loading and load ratings of the vehicle. The owner’s manual was checked for all required information on placard, tire loading, and general tire and loading parameters.

2.2 SUMMARY OF RESULTS

The data indicate compliance of the Chevrolet Cruze with all requirements tested.
SECTION 3
TEST DATA
## DATA SUMMARY SHEET

**VEHICLE MAKE/MODEL/BODY STYLE:** 2011 Chevrolet Cruze four-door passenger car  
**VEHICLE NHTSA NUMBER:** CB0100  
**VIN:** 1G1PC5SH7B7171899  
**VEHICLE TYPE:** passenger car  
**DATE OF MANUFACTURE:** 01/2011  
**LABORATORY:** US DOT San Angelo Test Facility

### PASSENGER CAR REQUIREMENTS

#### General (Data Sheet 2)

The vehicle is equipped with tires that meet the requirements of S139. (S110, S4.1)  
**PASS**

#### Tire Load Limits (Data Sheet 5)

The vehicle maximum load on the tire shall not be greater than the maximum load rating as marked on the sidewall of the tire. (S110, S4.2.1.1)  
**PASS**

The vehicle normal load on the tire is not greater than the value of 94 percent of the load rating at the vehicle manufacturer’s recommended cold inflation pressure for that tire. (S110, S4.2.1.2)  
**PASS**

#### Placard and Tire Inflation Pressure Label (Data Sheets 4 and 5)

The placard and tire inflation pressure label (if provided) are affixed and located correctly, and display the information and format required. (S110, S4.3)  
**PASS**

No inflation pressure other than the maximum permissible inflation pressure may be shown on the placard and, if any, tire inflation pressure label unless as required. (S110, S4.3.4)  
**PASS**

#### Rim (Data Sheet 3)

Each rim is constructed to the dimensions of a rim specified for the application. (S110, S4.4.1(a))  
**PASS**

Vehicle rims retain deflated tires during a controlled brake application. (S110, S4.4.1(b))  
**See Remarks**

#### Owner’s Manual (Data Sheet 6)

Owner’s manual or other document has discussion of Vehicle Placard Loading and Tires. (575.6 (a)(4))  
**PASS**

Owner’s manual includes exact statement relating to “Steps for Determining Correct Load Limits.” (575.6(a)(5))  
**PASS**

**REMARKS:** The rim retention test required by FMVSS No.110, paragraph S4.4.1(b) was not executed on the subject Chevrolet Cruze.
DATA SHEET 1
TEST VEHICLE INFORMATION/RECEIVING INSPECTION

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Chevrolet Cruze four-door passenger car

VEHICLE NHTSA NUMBER: CB0100  TEST DATE: March 12, 2011

VIN: 1G1PC5SHB7171899  MANUFACTURE DATE: 01/2011

GVWR: 1,847 kg (4,072 lb)  GAWR(front): 962 kg (2,120 lb)

GAWR(rear): 885 kg (1,952 lb)

SEATING POSITIONS: FRONT 2  MID N/A  REAR 3

ODOMETER READING AT START OF TEST: 201 km (125 mi)

ENGINE DATA: 4 Cylinders 1.8 Liters  ____ Cubic Inches

TRANSMISSION DATA: X Automatic  ____ Manual  6 No. of Speeds

FINAL DRIVE DATA: ____ Rear Drive  X  Front Drive  ____ 4 Wheel Drive

INSTALL VEHICLE EQUIPMENT:

<table>
<thead>
<tr>
<th>X</th>
<th>Air Conditioning</th>
<th>X</th>
<th>Traction Control</th>
<th>X</th>
<th>Clock</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tinted Glass</td>
<td>X</td>
<td>Tachometer</td>
<td></td>
<td>Roof Rack</td>
</tr>
<tr>
<td>X</td>
<td>Power Steering</td>
<td></td>
<td>Cruise Control</td>
<td></td>
<td>Console</td>
</tr>
<tr>
<td>X</td>
<td>Power Windows</td>
<td>X</td>
<td>Rear Window Defroster</td>
<td>X</td>
<td>Driver Air Bag</td>
</tr>
<tr>
<td>X</td>
<td>Power Door Locks</td>
<td></td>
<td>Sun Roof or T-Top</td>
<td>X</td>
<td>Passenger Air Bag</td>
</tr>
<tr>
<td></td>
<td>Power Seat(s)</td>
<td>X</td>
<td>Tilt Steering Wheel</td>
<td>X</td>
<td>Side Air Bag(s)</td>
</tr>
<tr>
<td>X</td>
<td>Power Brakes</td>
<td>X</td>
<td>Stereo</td>
<td>X</td>
<td>Front Disc Brakes</td>
</tr>
<tr>
<td>X</td>
<td>Antilock Brake System</td>
<td></td>
<td>Telephone</td>
<td>Rear Disc Brakes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Navigation System</td>
<td></td>
<td>Trailer Hitch</td>
<td></td>
<td>Other</td>
</tr>
</tbody>
</table>

REMARKS: None

RECORDED BY: Todd P. Groghan       DATE: March 12, 2011

APPROVED BY: Kenneth H. Yates
**DATA SHEET 2**  
**VEHICLE TIRE IDENTIFICATION**

**VEHICLE MAKE/MODEL/BODY STYLE:** 2011 Chevrolet Cruze four-door passenger car  
**VEHICLE NHTSA NUMBER:** CB0100  
**VIN:** 1G1PC5SH7B7171899  
**LABORATORY:** US DOT San Angelo Test Facility  
**TEST DATE:** March 12, 2011

All tires on the vehicle (excluding the spare) are the same size: (X) YES ( ) NO  
Spare tire is the same size as all other tires: ( ) YES (X) NO

<table>
<thead>
<tr>
<th>Tire Sidewall</th>
<th>Right Front</th>
<th>Left Rear</th>
<th>Spare Tire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer and Model</td>
<td>Firestone FR710</td>
<td>Maxxis</td>
<td></td>
</tr>
<tr>
<td>Tire Size Designation</td>
<td>P215/60R16</td>
<td>T115/70R16</td>
<td></td>
</tr>
<tr>
<td>Load Index/Speed Symbol</td>
<td>94S</td>
<td>92M</td>
<td></td>
</tr>
<tr>
<td>Maximum Inflation Pressure</td>
<td>300 kPa (44 psi)</td>
<td>420 kPa (60 psi)</td>
<td></td>
</tr>
<tr>
<td>Maximum Load Rating</td>
<td>670 kg (1,477 lb)</td>
<td>630 kg (1,389 lb)</td>
<td></td>
</tr>
<tr>
<td>Tread/Traction/Temperature</td>
<td>560/B/B</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Tires Have “DOT” Markings</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Serial Number:**  
- Right Front 8XX8CKD5010  
- Left Front 8XX8CKD5010  
- Right Rear 8XX8CKD5010  
- Left Rear 8XX8CKD5010  
- Spare UYPYABC4210

**DATA INDICATES COMPLIANCE:** PASS/FAIL: PASS

**REMARKS:** None

**RECORDED BY:** Todd P. Groghan  
**DATE:** March 12, 2011  
**APPROVED BY:** Kenneth H. Yates
VEHICLE MAKE/MODEL/BODY STYLE:  2011 Chevrolet Cruze four-door passenger car

VEHICLE NHTSA NUMBER:  CB0100      VIN:  1G1PC5SH7B7171899

LABORATORY:  US DOT San Angelo Test Facility      TEST DATE:  March 12, 2011

<table>
<thead>
<tr>
<th>Rim Markings (if available):</th>
<th>Right Front</th>
<th>Left Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer's Name, Symbol or Trademark</td>
<td>K4 – Hayes Lemmerz</td>
<td>K4 – Hayes Lemmerz</td>
</tr>
<tr>
<td>Rim Size</td>
<td>16x6.5J</td>
<td>16x6.5J</td>
</tr>
<tr>
<td>Date of Manufacture</td>
<td>01 05 11</td>
<td>01 05 11</td>
</tr>
<tr>
<td>Does Rim contain &quot;DOT&quot; symbol? (YES/NO)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Other Rim Markings</td>
<td>See pages 31 and 32</td>
<td></td>
</tr>
<tr>
<td>Rim Inspection Comments:</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rim Size:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tire Size</td>
<td>Measured Rim Width</td>
<td>Measured Rim Diameter</td>
</tr>
<tr>
<td>Right Front Wheel</td>
<td>P215/60R16</td>
<td>16.5 cm (6.5 in)</td>
</tr>
<tr>
<td>Left Rear Wheel</td>
<td>P215/60R16</td>
<td>16.5 cm (6.5 in)</td>
</tr>
</tbody>
</table>

Does stamped rim size (if available) agree with the measured rim size?
Right front rim:  ( X ) YES  (   ) NO  Left rear rim:  ( X ) YES  (   ) NO

Installed rims are suitable for installed tires?  ( X ) YES  (   ) NO
Reference document:  2010 Tire & Rim Association Yearbook

DATA INDICATES COMPLIANCE:  PASS/FAIL:  PASS

REMARKS:  None

RECORDED BY:  Todd P. Groghan      DATE:  March 12, 2011

APPROVED BY:  Kenneth H. Yates
DATA SHEET 4 (1 of 2)
VEHICLE PLACARD, AND TIRE INFLATION PRESSURE LABEL

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Chevrolet Cruze four-door passenger car

VEHICLE NHTSA NUMBER: CB0100  VIN: 1G1PC5SH7B7171899

LABORATORY: US DOT San Angelo Test Facility  TEST DATE: March 12, 2011

Identification of Vehicle Labeling

<table>
<thead>
<tr>
<th>Yes/No</th>
<th>Location</th>
<th>PASS/FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Certification Label</td>
<td>Yes</td>
<td>Driver's side B-pillar</td>
</tr>
<tr>
<td>2. Vehicle Placard</td>
<td>Yes</td>
<td>Driver's side B-pillar</td>
</tr>
<tr>
<td>3. Tire Inflation Pressure Label</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

Vehicle Placard

Vehicle Placard has the exact color and format as specified in Figure 1 and text is in English language. ( X )YES (   )NO

Vehicle Placard is permanently affixed. ( X )YES (   )NO

Vehicle Placard Information:

Combined weight of occupants and cargo 408 kg (899 lb)

Seating Capacity: Total 5  Front 2  Rear 3

Is the number of belted seating positions the same as the labeled seating capacity? ( X )YES (   )NO

Is the tire size and pressure provided? ( X )YES (   )NO
Vehicle Placard Tire Information:

Tire size:
- Front: P215/60R16
- Rear: P215/60R16

Tire Inflation Pressure:
- Front: 240 kPa (35 psi)
- Rear: 240 kPa (35 psi)

Are the sizes of the installed tires the same as the sizes of the labeled tires? (X) YES ( ) NO

Is the labeled cold tire inflation pressure equal to or less than the sidewall labeled maximum cold tire inflation pressure?
- Front axle: (X) YES ( ) NO
- Rear axle: (X) YES ( ) NO

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan    DATE: March 12, 2011
APPROVED BY: Kenneth H. Yates
DATA SHEET 5 (1 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Chevrolet Cruze four-door passenger car

VEHICLE NHTSA NUMBER: CB0100  VIN: 1G1PC5SH7B7171899

LABORATORY: US DOT San Angelo Test Facility  TEST DATE: March 24, 2011

Full Fluid Levels: Fuel Full Coolant Full Other Fluids* Full
* Transmission, windshield washer, brake, and engine oil.

Tire Pressures: LF 240 kPa (35 psi) LR 240 kPa (35 psi)
RF 240 kPa (35 psi) RR 240 kPa (35 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

<table>
<thead>
<tr>
<th></th>
<th>LF</th>
<th>LR</th>
<th>RF</th>
<th>RR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>446 kg (984 lb)</td>
<td>284 kg (626 lb)</td>
<td>420 kg (925 lb)</td>
<td>278 kg (612 lb)</td>
</tr>
</tbody>
</table>

Front Axle 866 kg (1,909 lb)  Rear Axle 562 kg (1,238 lb)

Total Vehicle 1,428 kg (3,147 lb)

B. MEASURED VEHICLE NORMAL LOAD WEIGHT

(1) Seating Capacity from Vehicle Placard = 5
(2) Normal Load Number of Occupants (Table in Section 10) = 3

Occupant Distribution: Front Seat 2 Second Seat 1

(3) Total Normal Occupant Load: 204 kg (450 lb)
[# of occupants x 68 KG per occupant]

(4) Measured Normal Load on Axles:

<table>
<thead>
<tr>
<th></th>
<th>LF</th>
<th>LR</th>
<th>RF</th>
<th>RR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>487 kg (1,073 lb)</td>
<td>345 kg (760 lb)</td>
<td>462 kg (1,018 lb)</td>
<td>338 kg (746 lb)</td>
</tr>
</tbody>
</table>

Front Axle 949 kg (2,091 lb)  Rear Axle 683 kg (1,506 lb)

Total Vehicle 1,632 kg (3,597 lb)
DATA SHEET 5 (2 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

(5) Calculated Vehicle Normal Load on the Tire:

Front Tires [measured front axle normal load/2] = 475 kg (1,046 lb)
Rear Tires [measured rear axle normal load/2] = 342 kg (753 lb)

(6) Calculated 94% of tire load rating at recommended cold inflation pressure:

Load rating at recommend cold inflation pressure = 670 kg (1,477 lb)
94% of load rating = 630 kg (1,388 lb)

Vehicle Normal Load on the Tire must not be greater than 94% of Load Rating Value.

PASS/FAIL

[B.(5)<B.(6)] Front Tires PASS
Rear Tires PASS

C. MEASURED VEHICLE WEIGHT WITH FULL OCCUPANT LOAD

(1) Seating Capacity from Placard:

Total 5 Front 2 Rear 3

(2) Full Occupant Load: 340 kg (750 lb)
[# of total occupants from C.(1) x 68 KG per occupant]

(3) Measured Vehicle Weight with Full Occupant Load:

<table>
<thead>
<tr>
<th></th>
<th>LF</th>
<th>LR</th>
<th>RF</th>
<th>RR</th>
<th>Front Axle</th>
<th>Rear Axle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>498 kg (1,099 lb)</td>
<td>401 kg (883 lb)</td>
<td>474 kg (1,045 lb)</td>
<td>395 kg (870 lb)</td>
<td>972 kg (2,144 lb)</td>
<td>796 kg (1,753 lb)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1,768 kg (3,897 lb)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
D. MEASURED MAXIMUM VEHICLE LOAD WEIGHT

(1) Vehicle Capacity Weight (from placard): 408 kg (899 lb)

(2) Full Occupant Load (from C.(2)): 340 kg (750 lb)

(3) Luggage/Cargo Load (subtract (2) from (1)): 68 kg (149 lb)

(4) Measured Vehicle Maximum Load on Axles:

<table>
<thead>
<tr>
<th></th>
<th>Front Axle</th>
<th>Rear Axle</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
<td>494 kg (1,090 lb)</td>
<td>438 kg (965 lb)</td>
</tr>
<tr>
<td>RF</td>
<td>470 kg (1,037 lb)</td>
<td>433 kg (954 lb)</td>
</tr>
<tr>
<td>Total</td>
<td>964 kg (2,127 lb)</td>
<td>871 kg (1,919 lb)</td>
</tr>
<tr>
<td></td>
<td>1,835 kg (4,046 lb)</td>
<td></td>
</tr>
</tbody>
</table>

(5) Calculated Vehicle Maximum Load on the Tire:

Front Tires [measured front axle maximum load/2] = 482 kg (1,064 lb)

Rear Tires [measured rear axle maximum load/2] = 435 kg (960 lb)

(6) Tire Sidewall Maximum Load Ratings:

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installed Tire Size</td>
<td>P215/60R16</td>
<td>P215/60R16</td>
</tr>
<tr>
<td>Max. Load Rating on Sidewall</td>
<td>670 kg (1,477 lb)</td>
<td>670 kg (1,477 lb)</td>
</tr>
</tbody>
</table>

Vehicle Maximum Load on the tire must not be greater than the Maximum Load Rating Marked on the Tire Sidewall.

PASS/FAIL

[D.(5)<D.(6)] Front Tires PASS
Rear Tires PASS
(7) Tire Load Ratings at Vehicle Placard or Tire Inflation Pressure Label
Recommended Cold Tire Inflation Pressure.

<table>
<thead>
<tr>
<th></th>
<th>Front Axle</th>
<th>Rear Axle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labeled Tire Size</td>
<td>P215/60R16</td>
<td>P215/60R16</td>
</tr>
<tr>
<td>Labeled Cold Inflation Pressure</td>
<td>240 kPa (35 psi)</td>
<td>240 kPa (35 psi)</td>
</tr>
<tr>
<td>Load Rating at This Pressure</td>
<td>670 kg (1,477 lb)</td>
<td>670 kg (1,477 lb)</td>
</tr>
</tbody>
</table>

Reference used to obtain Load Rating: 2010 Tire & Rim Association Yearbook

Vehicle Normal Load on the Tire must not be greater than the Tire Load Rating at the Labeled Cold Tire Inflation Pressure.

PASS/FAIL

[B.(5)<D.(7)] Front Tires PASS
Rear Tires PASS

Vehicle Maximum Load on the tire must not be greater than the Tire Load Rating at the Labeled Cold Tire Inflation Pressure.

PASS/FAIL

[D.(5)<D.(7)] Front Tires PASS
Rear Tires PASS

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: Front GAWR was exceeded on full and maximum loading weighings.

RECORDED BY: Todd P. Groghan DATE: March 24, 2011
APPROVED BY: Kenneth H. Yates
DATA SHEET 6 (1 of 2)
OWNER’S MANUAL REQUIREMENTS

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Chevrolet Cruze four-door passenger car
VEHICLE NHTSA NUMBER: CB0100 VIN: 1G1PC5SH7B7171899
LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 24, 2011

Owner’s Manual Discusses:

<table>
<thead>
<tr>
<th>Part 575.6(a) Paragraph</th>
<th>Required Discussion Topic</th>
<th>Discussed in Manual? (YES/NO)</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>(4)(i)</td>
<td>Tire labeling, including a description and explanation of each marking on the tires provided with the vehicle, and information about the location of the Tire Identification Number (TIN).</td>
<td>Yes</td>
<td>10-44 – 10-46</td>
</tr>
<tr>
<td>(4)(ii)</td>
<td>(A) Description and explanation of recommended cold tire inflation pressure.</td>
<td>Yes</td>
<td>10-48</td>
</tr>
<tr>
<td></td>
<td>(B) Description and explanation of FMVSS NO. 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s).</td>
<td>Yes</td>
<td>9-12, 9-16, 10-50</td>
</tr>
<tr>
<td></td>
<td>(C) Description and explanation of adverse safety consequences of under-inflation including tire failure.</td>
<td>Yes</td>
<td>10-50, 10-51</td>
</tr>
<tr>
<td></td>
<td>(D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation.</td>
<td>Yes</td>
<td>10-51</td>
</tr>
<tr>
<td>(4)(iii)</td>
<td>Glossary of tire terminology, including “cold tire pressure,” maximum inflation pressure,” and “recommended inflation pressure,” and all non-technical terms defined in S3 of FMVSS NO. 110 &amp; 139.</td>
<td>Yes</td>
<td>10-47 – 10-50</td>
</tr>
<tr>
<td>(4)(iv)</td>
<td>Tire care, including maintenance and safety practices.</td>
<td>Yes</td>
<td>10-56 – 10-58</td>
</tr>
<tr>
<td>(4)(v)</td>
<td>(A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity.</td>
<td>Yes</td>
<td>9-12</td>
</tr>
<tr>
<td></td>
<td>(B) Description and explanation for calculating total and cargo load capacities with varying seating configurations including quantitative examples showing/illustrating how the vehicle’s cargo and luggage capacity decreases as the combined number and size of occupants increases.</td>
<td>Yes</td>
<td>9-13 – 9-15</td>
</tr>
<tr>
<td></td>
<td>(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.</td>
<td>Yes</td>
<td>9-13</td>
</tr>
<tr>
<td></td>
<td>(D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires.</td>
<td>Yes</td>
<td>9-12</td>
</tr>
</tbody>
</table>
Steps for Determining Correct Load Limit --

(1) Locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs.” on your vehicle’s placard.

(2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.

(3) Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.

(4) The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the “XXX” amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400-750 (5x150) = 650 lbs.)

(5) Determine the combined weight of the luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

(6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan DATE: March 12, 2011

APPROVED BY: Kenneth H. Yates
## SECTION 4

### TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>DESCRIPTION</th>
<th>MODEL/ SERIAL NO</th>
<th>CAL. DATE</th>
<th>NEXT CAL. DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLOOR SCALES (VEHICLE &amp; BALLAST)</td>
<td>INTERCOMP SW DELUXE SCALES</td>
<td>PART #100156 SERIAL #27032382</td>
<td>7/21/2010</td>
<td>7/21/2011</td>
</tr>
<tr>
<td>AIR PRESSURE GAUGE</td>
<td>ASHCROFT GENERAL PURPOSE DIGITAL GAUGE</td>
<td>MODEL #D1005PS 02L 100 PSI SERIAL #20017398-01</td>
<td>12/17/2010</td>
<td>12/17/2011</td>
</tr>
</tbody>
</table>
SECTION 5
PHOTOGRAPHS
FIGURE 5.3
VEHICLE CERTIFICATION LABEL

2011 CHEVROLET CRUZE
NHTSA NO. CB0100
FMVSS NO. 110
## Tire and Loading Information

<table>
<thead>
<tr>
<th>TIRE</th>
<th>ORIGINAL SIZE</th>
<th>COLD TIRE PRESSURE</th>
<th>SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>P215/60R16 S</td>
<td>240 kPa, 35 PSI</td>
<td></td>
</tr>
<tr>
<td>REAR</td>
<td>P215/60R16 S</td>
<td>240 kPa, 35 PSI</td>
<td></td>
</tr>
<tr>
<td>SPARE</td>
<td>T115/70R16 M</td>
<td>420 kPa, 60 PSI</td>
<td></td>
</tr>
</tbody>
</table>

The combined weight of occupants and cargo should never exceed 408 kg or 899 lbs.
FIGURE 5.5
TIRE SHOWING BRAND AND MODEL

2011 CHEVROLET CRUZE
NHTSA NO. CB0100
FMVSS NO. 110
FIGURE 5.6
TIRE SHOWING SIZE, LOAD INDEX, AND SPEED SYMBOL
MAX LOAD  670 kg (1477 lbs) 
AT 300 kPa (44 psi) MAX PRESS
2011 CHEVROLET CRUZE
NHTSA NO. CB0100
FMVSS NO. 110

FIGURE 5.8
TIRE SHOWING SERIAL NUMBER
2011 CHEVROLET CRUZE
NHTSA NO. CB0100
FMVSS NO. 110

RIGHT FRONT RIM SHOWING DATE OF MANUFACTURE, OTHER RIM MARKINGS, SIZE, LETTER DESIGNATION FOR SOURCE OF PUBLISHED DIMENSIONS, DOT SYMBOL, AND OTHER RIM MARKINGS

FIGURE 5.10
2011 CHEVROLET CRUZE
NHTSA NO. CB0100
FMVSS NO. 110

FIGURE 5.11
RIGHT FRONT RIM SHOWING OTHER RIM MARKINGS
2011 CHEVROLET CRUZE
NHTSA NO. CB0100
FMVSS NO. 110

FIGURE 5.13
VEHICLE REAR SEAT BALLASTED
FOR NORMAL LOAD
2011 CHEVROLET CRUZE
NHTSA NO. CB0100
FMVSS NO. 110

FIGURE 5.14
VEHICLE REAR SEAT BALLASTED
FOR FULL AND MAXIMUM LOADS

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2011 CHEVROLET CRUZE
NHTSA NO. CB0100
FMVSS NO. 110

FIGURE 5.15
VEHICLE TRUNK
BALLASTED FOR MAXIMUM LOAD
2011 CHEVROLET CRUZE
NHTSA NO. CB0100
FMVSS NO. 110

FIGURE 5.16
VEHICLE ON WEIGHT SCALES