

REPORT NUMBER 110-STF-10-004

SAFETY COMPLIANCE TESTING FOR FMVSS 110 TIRE SELECTION AND RIMS

MAZDA MOTOR CORPORATION
2010 MAZDA 6
FOUR-DOOR PASSENGER CAR
NHTSA NO. CA5402

U.S. DOT SAN ANGELO TEST FACILITY
131 COMANCHE TRAIL, BUILDING 3527
GOODFELLOW AFB, TEXAS 76908



March 18, 2010

FINAL REPORT

PREPARED FOR

**U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
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Acceptance Date: 3/18/10

1. Report No. 110-STF-10-004	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle Final Report of FMVSS 110 Compliance Testing of 2010 Mazda 6 Four-Door Passenger Car, NHTSA No. CA5402		5. Report Date March 18, 2010	
		6. Performing Organization Code STF	
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9. Performing Organization Name and Address U.S. DOT San Angelo Test Facility 131 Comanche Trail, Building 3527 Goodfellow AFB, Texas 76908		10. Work Unit No. (TRAIS)	
		11. Contract or Grant No.	
12. Sponsoring Agency Name and Address U.S. DOT San Angelo Test Facility 131 Comanche Trail, Building 3527 Goodfellow AFB, Texas 76908		13. Type of Report and Period Covered Final Test Report March 1 through March 5, 2010	
		14. Sponsoring Agency Code NVS-220	
15. Supplementary Notes			
16. Abstract Compliance tests were conducted on the subject 2010 Mazda 6 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 110 compliance. Test failures identified were as follows: NONE.			
17. Key Words Compliance Testing Safety Engineering FMVSS 110		18. Distribution Statement Copies of this report are available from: NHTSA Technical Information Services NPO-411 1200 New Jersey Avenue, S.E. Washington, DC 20590 Email: tis@dot.gov FAX: 202-493-2833	
19. Security Classification (of this report) UNCLASSIFIED	21. Number of Pages 36	22. Price	
20. Security Classification (of this page) UNCLASSIFIED			

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SECTION 1

INTRODUCTION

1.1 PURPOSE OF COMPLIANCE TEST

A 2010 Mazda 6 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 2010 Mazda 6 four-door passenger car. Nomenclatures applicable to the test vehicle are:

A. Vehicle Identification Number: 1YVHZ8BH3A5M11305

B. NHTSA Number: CA5402

C. Manufacturer: Mazda Motor Corporation

D. Manufacture Date: 10/2009

1.3 TEST DATE

The test vehicle was tested March 1 through March 5, 2010.

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 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 Mazda 6 with all requirements tested.

SECTION 3
TEST DATA

DATA SUMMARY SHEET

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Mazda 6 four-door passenger car

VEHICLE NHTSA NUMBER: CA5402 VIN: 1YVHZ8BH3A5M11305

VEHICLE TYPE: passenger car DATE OF MANUFACTURE: 10/2009

LABORATORY: US DOT San Angelo Test Facility

PASSENGER CAR REQUIREMENTS

PASS/FAIL

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 Mazda 6.

DATA SHEET 1
TEST VEHICLE INFORMATION/RECEIVING INSPECTION

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Mazda 6 four-door passenger car

VEHICLE NHTSA NUMBER: CA5402 TEST DATE: March 1, 2010

VIN: 1YVHZ8BH3A5M11305 MANUFACTURE DATE: 10/2009

GVWR: 1,969 kg (4,340 lb)

GAWR(front): 1,037 kg (2,286 lb)

GAWR(rear): 935 kg (2,062 lb)

SEATING POSITIONS: FRONT 2 REAR 3

ODOMETER READING AT START OF TEST: 172 km (107 mi)

ENGINE DATA: 4 Cylinders 2.5 Liters Cubic Inches

TRANSMISSION DATA: Automatic X Manual 6 No. of Speeds

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

INSTALLED VEHICLE EQUIPMENT:

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

REMARKS: None

RECORDED BY: Todd P. Groghan

DATE: March 1, 2010

APPROVED BY: Kenneth H. Yates

**DATA SHEET 2
VEHICLE TIRE IDENTIFICATION**

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Mazda 6 four-door passenger car
 VEHICLE NHTSA NUMBER: CA5402 VIN: 1YVHZ8BH3A5M11305
 LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 1, 2010

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

Tire Sidewall	Right Front	Left Rear (If different)	Spare Tire (If different)
Manufacturer and Model	<u>Michelin Energy MXV4 S8</u>	<u></u>	<u>Maxxis Spare Tire</u>
Tire Size Designation	<u>P205/65R16</u>	<u></u>	<u>T115/70D16</u>
Load Index/Speed Symbol	<u>94H</u>	<u></u>	<u>92M</u>
Maximum Inflation Pressure	<u>300 kPa (44 psi)</u>	<u></u>	<u>420 kPa (60 psi)</u>
Maximum Load Rating	<u>670 kg (1,477 lb)</u>	<u></u>	<u>630 kg (1,389 lb)</u>
Tread/Traction/Temperature	<u>440/A/A</u>	<u></u>	<u>N/A</u>
Tires Have "DOT" Markings	<u>Yes</u>	<u></u>	<u>Yes</u>

Serial Number: Right Front B9EV5NXX3909 Left Front B9EV5NXX3909
 Right Rear B9EV5NXX3909 Left Rear B9EV5NXX3909
 Spare UYATABC2909

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None





RECORDED BY: Todd P. Groghan DATE: March 1, 2010

APPROVED BY: Kenneth H. Yates

**DATA SHEET 3
VEHICLE RIM IDENTIFICATION**

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Mazda 6 four-door passenger car
 VEHICLE NHTSA NUMBER: CA5402 VIN: 1YVHZ8BH3A5M11305
 LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 1, 2010

Rim Markings (if available):

	Right Front	Left Rear
Manufacturer's Name, Symbol or Trademark		
Rim Size	<u>16X6½J</u>	<u>16X6½J</u>
Date of Manufacture		
Does Rim contain "DOT" symbol? (YES/NO)	<u>Yes</u>	<u>Yes</u>
Other Rim Markings	<u>See page 27</u>	<u>See page 27</u>
Rim Inspection Comments:	<u>None</u>	

Rim Size:

	Tire Size	Measured Rim Width	Measured Rim Diameter
Right Front Wheel	<u>P205/65R16</u>	<u>16.5 cm (6.5 in)</u>	<u>40.6 cm (16.0 in)</u>
Left Rear Wheel	<u>P205/65R16</u>	<u>16.5 cm (6.5 in)</u>	<u>40.6 cm (16.0 in)</u>

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: 2009 Tire & Rim Association Yearbook

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan DATE: March 1, 2010

APPROVED BY: Kenneth H. Yates

DATA SHEET 4 (1 of 2)
VEHICLE PLACARD, AND TIRE INFLATION PRESSURE LABEL

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Mazda 6 four-door passenger car
 VEHICLE NHTSA NUMBER: CA5402 VIN: 1YVHZ8BH3A5M11305
 LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 4, 2010

Identification of Vehicle Labeling

	Yes/No	Location	PASS/FAIL
1. Certification Label	<u>Yes</u>	<u>Driver's side B pillar</u>	<u>PASS</u>
2. Vehicle Placard	<u>Yes</u>	<u>Driver's side B pillar</u>	<u>PASS</u>
3. Tire Inflation Pressure Label	<u>No</u>		

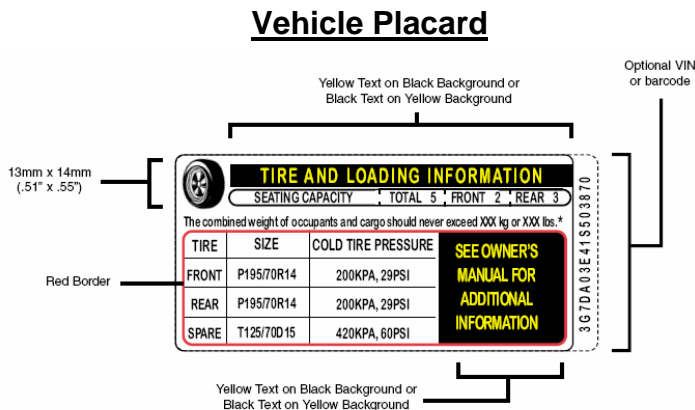


FIGURE 1
(70 FR 14425)

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

Vehicle Placard is permanently affixed. YES NO

Vehicle Placard Information:

Combined weight of occupants and cargo 385 kg (850 lb)

Seating Capacity: Total 5 Front 2 Rear 3

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

Is the tire size and pressure provided? YES NO

DATA SHEET 5 (1 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Mazda 6 four-door passenger car

VEHICLE NHTSA NUMBER: CA5402 VIN: 1YVHZ8BH3A5M11305

LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 4, 2010

Full Fluid Levels: Fuel Full Coolant Full Other Fluids* Full

* Transmission, windshield washer, clutch, power steering, brake, and engine oil.

Tire Pressures: LF 220.0 kPa (32 psi) LR 220.0 kPa (32 psi)
RF 220.0 kPa (32 psi) RR 220.0 kPa (32 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

LF 444 kg (979 lb) LR 291 kg (640 lb)
RF 432 kg (953 lb) RR 306 kg (675 lb)
Front Axle 876 kg (1,932 lb) Rear Axle 597 kg (1,315 lb)
Total Vehicle 1,473 kg (3,247 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:

LF 488 kg (1,075 lb) LR 349 kg (769 lb)
RF 478 kg (1,054 lb) RR 362 kg (799 lb)
Front Axle 966 kg (2,129 lb) Rear Axle 711 kg (1,568 lb)
Total Vehicle 1,677 kg (3,697 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] = 483.0 kg (1,064.5 lb)

Rear Tires [measured rear axle normal load/2] = 355.5 kg (784.0 lb)

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

Load rating at recommend cold inflation pressure= 635 kg (1,400 lb)

94% of load rating = 596.9 kg (1,316 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	<u>PASS</u>
	Rear Tires	<u>PASS</u>

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:

LF 501 kg (1,105 lb) LR 405 kg (892 lb)

RF 489 kg (1,079 lb) RR 418 kg (921 lb)

Front Axle 990 kg (2,184 lb) Rear Axle 823 kg (1,813 lb)

Total Vehicle 1,813 kg (3,997 lb)

DATA SHEET 5 (3 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

D. MEASURED MAXIMUM VEHICLE LOAD WEIGHT

(1) Vehicle Capacity Weight (from placard):	<u>385 kg (850 lb)</u>
(2) Full Occupant Load (from C.(2)):	<u>340 kg (750 lb)</u>
(3) Luggage/Cargo Load (subtract (2) from (1)):	<u>45 kg (100 lb)</u>
(4) Measured Vehicle Maximum Load on Axles:	
LF <u>498 kg (1,099 lb)</u>	LR <u>430 kg (949 lb)</u>
RF <u>486 kg (1,071 lb)</u>	RR <u>444 kg (978 lb)</u>
Front Axle <u>984 kg (2,170 lb)</u>	Rear Axle <u>874 kg (1,927 lb)</u>
Total Vehicle <u>1,858 kg (4,097 lb)</u>	

(5) Calculated Vehicle Maximum Load on the Tire:

Front Tires [measured front axle maximum load/2] =	<u>492.0 kg (1,085.0 lb)</u>
Rear Tires [measured rear axle maximum load/2] =	<u>437.0 kg (963.5 lb)</u>

(6) Tire Sidewall Maximum Load Ratings:

	Front	Rear
Installed Tire Size	<u>P205/65R16</u>	<u>P205/65R16</u>
Max. Load Rating on Sidewall	<u>670 kg (1,477 lb)</u>	<u>670 kg (1,477 lb)</u>

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	<u>PASS</u>
	Rear Tires	<u>PASS</u>

DATA SHEET 5 (4 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

(7) Tire Load Ratings at Vehicle Placard or Tire Inflation Pressure Label
 Recommended Cold Tire Inflation Pressure.

	Front Axle	Rear Axle
Labeled Tire Size	<u>P205/65R16</u>	<u>P205/65R16</u>
Labeled Cold Inflation Pressure	<u>220 kPa (32 psi)</u>	<u>220 kPa (32 psi)</u>
Load Rating at This Pressure*	<u>635 kg (1,400 lb)</u>	<u>635 kg (1,400 lb)</u>
*Reference used to obtain Load Rating: <u>2009 Tire & Rim Association</u>		
<u>Yearbook</u>		

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	<u>PASS</u>
	Rear Tires	<u>PASS</u>

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	<u>PASS</u>
	Rear Tires	<u>PASS</u>

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan

DATE: March 4, 2010

APPROVED BY: Kenneth H. Yates

DATA SHEET 6 (1 of 2)
OWNER'S MANUAL REQUIREMENTS

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Mazda 6 four-door passenger car

VEHICLE NHTSA NUMBER: CA5402 VIN: 1YVHZ8BH3A5M11305

LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 2, 2010

Owner's Manual Discusses:

Part 575.6(a) Paragraph	Required Discussion Topic	Discussed in Manual? (YES/NO)	Page Numbers
(4)(i)	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).	Yes	9-22, 9-23, 9-24, 9-25
(4)(ii)	(A) Description and explanation of recommended cold tire inflation pressure.	Yes	9-28
	(B) Description and explanation of FMVSS 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s).	Yes	9-28, 10-3
	(C) Description and explanation of adverse safety consequences of under-inflation including tire failure.	Yes	8-32, 9-29
	(D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation.	Yes	9-29
(4)(iii)	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 110 & 139.	Yes	9-30
(4)(iv)	Tire care, including maintenance and safety practices.	Yes	8-33, 9-31, 9-32, 9-33
(4)(v)	(A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity.	Yes	9-35, 9-36, 9-37, 9-38, 9-39
	(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.	Yes	9-35, 9-36, 9-37, 9-38, 9-39
	(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.	Yes	9-34
	(D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires.	Yes	9-21, 9-25, 9-34

DATA SHEET 6 (2 of 2)
OWNER'S MANUAL REQUIREMENTS

The following statement, in the English language, is provided verbatim in the Owner's Manual. Reference Part 575.6(a)(5) YES (X) NO ()

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: Paragraph 6 above is not in owner's manual because this vehicle is not to be used to tow a trailer (owner's manual page 4-12).

RECORDED BY: Todd P. Groghan

DATE: March 2, 2010

APPROVED BY: Kenneth H. Yates

SECTION 4

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

EQUIPMENT	DESCRIPTION	MODEL/ SERIAL NO	CAL. DATE	NEXT CAL. DATE
PLATFORM SCALE (BALLAST)	HOWE RICHARDSON	MODEL #6401 SERIAL #0181- 5509-26	7/28/2009	7/28/2010
AIR PRESSURE GAUGE	ASHCROFT GENERAL PURPOSE DIGITAL GAUGE	MODEL #D1005PS 02L 100 PSI SERIAL #20017398- 01	12/9/2009	12/9/2010
FLOOR SCALES (VEHICLE)	INTERCOMP SW DELUXE SCALES	PART #100156 SERIAL #27032382	7/28/2009	7/28/2010

SECTION 5
PHOTOGRAPHS



2010 MAZDA 6
NHTSA NO. CA5402
FMVSS 110

FIGURE 5.1
¾ FRONT VIEW FROM LEFT SIDE OF VEHICLE



2010 MAZDA 6
NHTSA NO. CA5402
FMVSS 110

FIGURE 5.2
¾ REAR VIEW FROM RIGHT SIDE OF VEHICLE

MFD. BY AUTO ALLIANCE INTERNATIONAL, INC.
FOR **MAZDA MOTOR CORPORATION**
MADE IN U.S.A.

DATE: 10/09

GVWR: 4340LB/1969KG

FRONT GAWR: 2286LB/1037KG

REAR GAWR: 2062LB/935KG

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR
VEHICLE SAFETY, BUMPER, AND THEFT PREVENTION STANDARDS
IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

VIN: 1YVHZ8BH3A5M11305

TYPE: Passenger Car



EXT PNT:	36	Y			RC:		DSO:
WB	BRK	INT TR	TP/PS	R	AXLE	TR	SPR
				ZFP			▽F85B-1520472-AB

TIRE AND LOADING INFORMATION
RENSEIGNEMENTS SUR LES PNEUS ET LE CHARGEMENT

SEATING CAPACITY | TOTAL 5 | FRONT 2 | REAR 3
 NOMBRE DE PLACES | TOTAL 5 | AVANT 2 | ARRIERE 3

The combined weight of occupants and cargo should never exceed **385 kg** or **850 lbs.***
 Le poids total des occupants et du chargement ne doit jamais dépasser **385 kg** ou **850 lb.***

TIRE PNEU	SIZE DIMENSIONS	COLD TIRE PRESSURE PRESSION DES PNEUS À FROID
FRONT AVANT	P205/65R16	220 kPa, 32 psi
REAR ARRIERE	P205/65R16	220 kPa, 32 psi
SPARE DE SECOURS	T115/70D16	420 kPa, 60 psi

SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
 VOIR LE MANUEL DE L'USAGER POUR PLUS DE RENSEIGNEMENTS

(GEA7A)

2010 MAZDA 6
 NHTSA NO. CA5402
 FMVSS 110

FIGURE 5.4
 VEHICLE PLACARD



2010 MAZDA 6
NHTSA NO. CA5402
FMVSS 110

FIGURE 5.5
TIRE SHOWING BRAND



2010 MAZDA 6
NHTSA NO. CA5402
FMVSS 110

FIGURE 5.6
TIRE SHOWING MODEL, SIZE
LOAD INDEX, AND SPEED SYMBOL



2010 MAZDA 6
NHTSA NO. CA5402
FMVSS 110

FIGURE 5.7
TIRE SHOWING MAX LOAD RATING AND MAX INFLATION PRESSURE



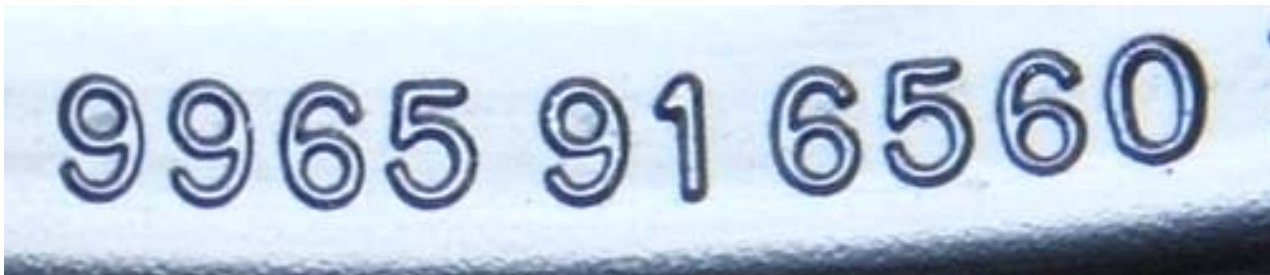
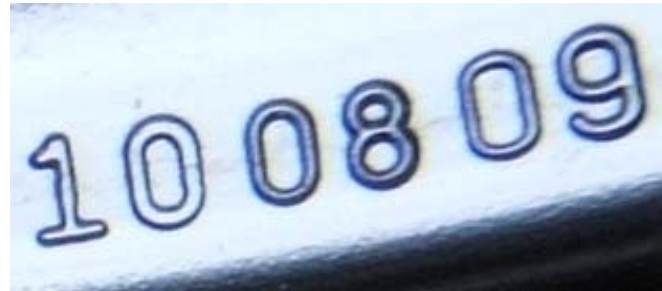
2010 MAZDA 6
NHTSA NO. CA5402
FMVSS 110

FIGURE 5.8
TIRE SHOWING SERIAL NUMBER



2010 MAZDA 6
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FIGURE 5.9
RIM CONTOUR FOR FULL WIDTH OF CROSS SECTION



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

FIGURE 5.10



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FIGURE 5.11
VEHICLE FRONT SEAT BALLASTED FOR
NORMAL, FULL, AND MAXIMUM LOADS



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FIGURE 5.12
VEHICLE REAR SEAT BALLASTED
FOR NORMAL LOAD



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FIGURE 5.13
VEHICLE REAR SEAT BALLASTED
FOR FULL AND MAXIMUM LOADS



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FIGURE 5.14
VEHICLE TRUNK SHOWN BALLASTED
FOR MAXIMUM LOAD



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FIGURE 5.15
VEHICLE ON WEIGHT SCALES