REPORT NUMBER 110-STF-06-003

SAFETY COMPLIANCE TESTING FOR FMVSS NO. 110 TIRE SELECTION AND RIMS

MAZDA MOTOR CORPORATION
2006 MAZDA RX-8
FOUR-DOOR PASSENGER CAR
NHTSA NO. C65403

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

October 11, 2006

FINAL REPORT

PREPARED FOR

U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
400 SEVENTH STREET, SW
ROOM 6115 (NVS-220)
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Approval Date: October 11, 2006

FINAL REPORT ACCEPTANCE BY OVSC COTR:

Accepted By: [signature]

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Technical Report Documentation Page

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7. Author(s) Bob Gregg, Safety Compliance Specialist David K. Banks, Junior Systems Analyst		8. Performing Organization Rep# STF-DOT-06-110-003
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 United States Department of Transportation National Highway Traffic Safety Administration Office of Vehicle Safety Compliance 400 Seventh Street, SW, Room 6111 Washington, DC 20590		13. Type of Report and Period Covered Final Test Report September 8, 9, and 13, 2006 14. Sponsoring Agency Code NVS-220
15. Supplementary Notes		
16. Abstract Compliance tests were conducted on the subject 2006 Mazda RX-8 four-door passenger car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-110P-02 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: National Highway Traffic Administration Technical Information Services (NPO-405) 400 Seventh Street, SW, Room 2336 Washington, DC 20590	
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20. Security Classification (of this page) UNCLASSIFIED		

Form DOT F 1700.7 (8-72)

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SECTION 1

INTRODUCTION

1.1 PURPOSE OF COMPLIANCE TEST

A 2006 Mazda RX-8 four-door passenger car was tested to determine if the vehicle was in compliance with the requirements of the standard. All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Test Procedure TP-110P-02 dated January 10, 2006.

1.2 TEST VEHICLE

The test vehicle was a 2006 Mazda RX-8 four-door passenger car. Nomenclatures applicable to the test vehicle are:

A. Vehicle Identification Number: JM1FE173460204276

B. NHTSA No.: C65403

C. Manufacturer: Mazda Motor Corporation

D. Manufacture Date: 03/2006

1.3 TEST DATE

The test vehicle was tested on September 8, 9, and 13, 2006.

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 tire was inspected and identifying data was obtained. Pertinent information from the tire and rim was photographed.

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. At each step of the ballasting procedure, data was recorded. Vehicle was ballasted to Normal Load weight, Full Occupant Load, and Maximum Vehicle Load weight. Ballast was photographically documented for Maximum Vehicle Load weight. The vehicle maximum load on each wheel was measured. Data from each tire furnished with the vehicle were recorded. The vehicle tire placard was photographed and checked for compliance to location, format, and information requirements. The right front wheel was removed from the vehicle and the tire was dismounted from the rim. The rim was measured from flange to flange, and rim markings were photographically documented. The left rear wheel was also removed and inspected. The owner's manual was checked for all required information on placards, tire loading, and general tire and loading parameters.

2.2 SUMMARY OF RESULTS

The data indicate compliance of the car with all requirements tested.

SECTION 3

TEST DATA

DATA SUMMARY SHEET

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Mazda RX-8 four-door passenger car

VEHICLE NHTSA NO.: C65403 VIN: JM1FE173460204276

VEHICLE TYPE: Four-door passenger car DATE OF MANUFACTURE: 03/2006

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 S109. (S110, S4.1(a))	**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)	**PASS**
The vehicle normal load on the tire is not be greater than the high speed performance test load specified in S5.5 of S109. (S110, S4.2.2)	**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**
Rims (Data Sheet 3)	
Each rim is constructed to the dimensions of a rim specified for the application. (S110, S4.4.1(b))	**PASS**
Owner's Manual (Data Sheet 7)	
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**

DATA SHEET 1
TEST VEHICLE INFORMATION/RECEIVING INSPECTION

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Mazda RX-8 four-door passenger car

VEHICLE NHTSA NUMBER: C65403 TEST DATE: September 8, 2006

VIN:: JM1FE173460204276 MANUFACTURE DATE: 03/2006

GVWR: 1,748 kg (3,854 lbs) GAWR(front): 844 kg (1,861 lbs)

GAWR(rear): 907 kg (2,000 lbs)

SEATING POSITIONS: FRONT 2 MID _____ REAR 2

ODOMETER READING AT START OF TEST: 185 km (115 mi)

ENGINE DATA: rotary Cylinders* _____ Liters 80 Cubic Inches

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

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

CHECK APPROPRIATE BOXES FOR INSTALLED VEHICLE EQUIPMENT:

X	Air Conditioning		Traction Control	X	Clock
X	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 Curtain 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: _____

RECORDED BY: David K. Banks DATE: September 8, 2006

APPROVED BY: Kenneth H. Yates

DATA SHEET 2
VEHICLE TIRE IDENTIFICATION

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Mazda RX-8 four-door passenger car

VEHICLE NHTSA NO. C65403 VIN: JM1FE173460204276

LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 8, 2006

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 ( ) NO (X) N/A

Tire Sidewall	**Right Front**	**Left Rear** (If different)	**Spare Tire** (If different)
Manufacturer and Model	Dunlop SP Sport D8Z		See Remarks
Tire Size Designation	225/55R16		
Load Index/Speed Symbol	94 V		
Maximum Inflation Pressure	350 kPa (51 psi)		
Maximum Load Rating	670 kg (1,477 lbs)		
Tread/Traction/Temperature	200/A/A		
Tires Have "DOT" Markings	Yes		

Serial Number: Right Front EU6A4MPR0706 Left Front EU6A4MPR0706

Right Rear EU6A4MPR0706 Left Rear EU6A4MPR0706

Spare None

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: This vehicle is not equipped with a spare tire.

RECORDED BY: David K. Banks DATE: September 8, 2006

APPROVED BY: Kenneth H. Yates

DATA SHEET 3
VEHICLE RIM IDENTIFICATION

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Mazda RX-8 four-door passenger car

VEHICLE NHTSA NO. C65403 VIN: JM1FE173460204276

LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 8, 2006

Rim Markings (if available):	**Right Front**	**Left Rear**
Manufacturer's Name, Symbol or Trademark		
Rim Size	16 X 7.5 JJ	16 X 7.5 JJ
Date of Manufacture		
Does Rim contain "DOT" symbol? (YES/NO)	Yes	Yes
Other Rim Markings	See Remarks	See Remarks

Rim Inspection Comments None

Tire Inspection Comments: None

Rim Size:	**Tire Size**	**Measured Rim Width**	**Measured Rim Diameter**
Right Front Wheel	225/55R16	7.5 in (19.1 cm)	16.0 in (40.6 cm)
Left Rear Wheel	225/55R16	7.5 in (19.1 cm)	16.0 in (40.6 cm)

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: 2006 Tire and Rim Association Yearbook

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: Refer to Photographs 5.12 a-g for additional rim markings.

RECORDED BY: David K. Banks DATE: September 8, 2006

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Mazda RX-8 four-door passenger car

VEHICLE NHTSA NO. C65403 VIN: JM1FE173460204276

LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 8, 2006

Identification of Vehicle Labeling

	(Yes/No)	Location	PASS/FAIL
1. Certification Label	Yes	Driver's side B pillar	Not applicable
2. Vehicle Placard*	Yes	Driver's side B pillar	PASS
3. Tire Inflation Pressure Label*	No		

* Labels are to be affixed to the driver's side B-pillar - otherwise refer to FMVSS 110 requirements.

Vehicle Placard

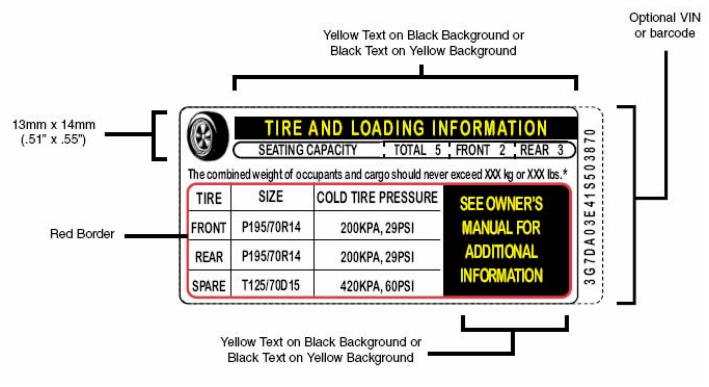


FIGURE 1B
(70 FR 14425)

Tire Inflation Pressure Label

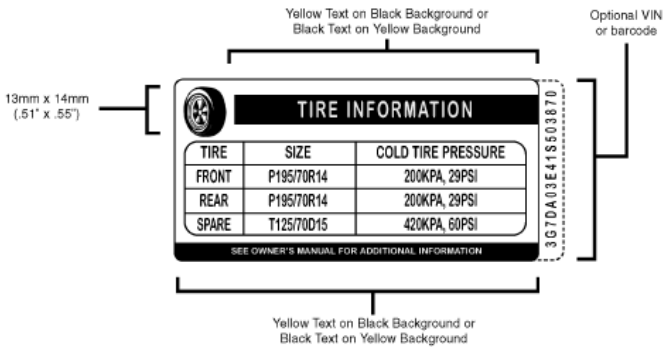


FIGURE 2B
(70 FR 14426)

Labeling Notes:

1. Tire size and pressure can be omitted from the Vehicle Placard if same data is displayed on a Tire Inflation Pressure Label.
2. The Alphanumeric Identifier or Barcode, is optional. It can be located vertically, along the right edge or the left edge of the placard or the label, or horizontally, along the bottom edge of the placard or the label.
3. Tire size can include the tire load range identification symbol ("XL" or "reinforced", "B", "C", "D", "E", or "F"), the load index number, and the speed rating symbol, located immediately to the right of the tire size designation.
4. The tire "SIZE" heading can be replaced with "ORIGINAL TIRE SIZE" or "ORIGINAL SIZE."
5. The "SPARE" tire heading can be replaced with "SPARE TIRE."
6. For full size spare tires, the recommended cold tire inflation pressure can be replaced with "SEE ABOVE".
7. If no spare tire is provided, the word "NONE" is to replace the manufacturer's cold tire inflation pressure.

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

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

Vehicle Placard and, if provided, **Tire Inflation Pressure Label** are permanently affixed.
(X)YES ( )NO

Vehicle Placard information:

Combined weight of occupants and cargo 308 kg (680 lbs)

Seating Capacity: Total 4 Front 2 Rear 2

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 or **Tire Inflation Pressure Label** tire information:

Tire size: Front 225/55R16 Rear 225/55R16

Tire Inflation Pressure: Front 220 kPa (32 psi) Rear 220 kPa (32 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: _____

RECORDED BY: David K. Banks DATE: September 8, 2006

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Mazda RX-8 four-door passenger car

VEHICLE NHTSA NO. C65403 VIN: JM1FE173460204276

LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 8 - 13, 2006

Full Fluid Levels: Fuel Full Coolant Full Other Fluids Full

Tire Pressures: LF 220.0 kPa (31.9 psi) LR 220.2 kPa (31.9 psi)
RF 219.9 kPa (31.9 psi) RR 220.2 kPa (31.9 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

LF 360.5 kg (794.8 lb) LR 318.5 kg (702.2 lb)
RF 360.5 kg (794.8 lb) RR 321.5 kg (708.8 lb)

Front Axle 721.0 kg (1,589.6 lb) Rear Axle 640.0 kg (1,411.0 lb)

Total Vehicle 1,361.0 kg (3,000.6 lb)

B. MEASURED VEHICLE NORMAL LOAD WEIGHT

(1) Seating Capacity from Vehicle Placard = 4

(2) Normal Load Number of Occupants (Table in Section 10) 2

Occupant Distribution: Front Seat 2 Second Seat 0

(3) Total Normal Occupant Load 136 kg (300 lb)
[# of occupants x 68 KG per occupant]

(4) Measured Normal Load on Axles

LF 393.5 kg (867.5 lb) LR 349.0 kg (769.4 lb)
RF 398.0 kg (877.4 lb) RR 355.0 kg (782.6 lb)

Front Axle 791.5 kg (1,744.9 lb) Rear Axle 704.0 kg (1,552.0 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] = 395.8 kg (872.6 lbs)
Rear Tires [measured rear axle normal load/2] = 352.0 kg (776.0 lbs)

(6) High Speed Test Load From FMVSS 109 (S5.5)

	Front Axle	Rear Axle
Installed Tire Size	225/55R16	225/55R16
Max. Load Rating on Sidewall	670 kg (1,477 lbs)	670 kg (1,477 lbs)
High Speed Test Load (88% of sidewall max. load rating)	589.6 kg (1,299.8 lbs)	589.6 kg (1,299.8 lbs)

Vehicle Normal Load on the Tire must not be greater than the High Speed Test Load

		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 4 Front 2 Rear 2

(2) Full Occupant Load 272 kg (600 lbs)
[# of total occupants from C.(1) x 68 KG per occupant]

(3) Measured Vehicle Weight with Full Occupant Load

LF 404.5 kg (891.8 lb) LR 400.5 kg (883.0 lb)
RF 415.0 kg (914.9 lb) RR 408.0 kg (899.5 lb)

Front Axle 819.5 kg (1,806.7 lb) Rear Axle 808.5kg (1,782.5 lb)

Total Vehicle 1,628.0 kg (3,589.2 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) 308 kg (680 lbs)

(2) Full Occupant Load (from C.(2) above)) 272 kg (600 lbs)

(3) Luggage/Cargo Load (subtract (2) from (1)) 36 kg (80 lbs)

(4) Measured Vehicle Maximum Load on Axles

LF	401.0 kg (884.1 lb)	LR	421.5 kg (929.2 lb)
RF	412.0 kg (908.3 lb)	RR	430.0 kg (948.0 lb)
Front Axle	813.0 kg (1,792.4 lb)	Rear Axle	851.5 kg (1,877.2 lb)

Total Vehicle 1,664.5 kg (3,669.6 lb)

(5) Calculated Vehicle Maximum Load on the Tire
Front Tires [measured front axle maximum load/2]= 406.5 kg (896.2 lbs)
Rear Tires [measured rear axle maximum load/2] = 425.8 kg (938.7 lbs)

(6) Tire Sidewall Maximum Load Ratings

	Front	Rear
Installed Tire Size	225/55R16	225/55R16
Max. Load Rating on Sidewall	670 kg (1,477 lbs)	670 kg (1,477 lbs)

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

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	225/55R16	225/55R16
Labeled Cold Inflation Pressure	220 kPa (32 psi)	220 kPa (32 psi)
Load Rating at This Pressure*	640 kg (1,411 lbs)	640 kg (1,411 lbs)

*Reference used to obtain Load Rating: 2006 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: _____

RECORDED BY: David K. Banks DATE: September 13, 2006

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Mazda RX-8 four-door passenger car

VEHICLE NHTSA NO. C65403 VIN: JM1FE173460204276

LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 8 -13, 2006

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	9:16-22
(4)(ii)	(A) Description and explanation of recommended cold tire inflation pressure.	Yes	9:24, 25
	(B) Description and explanation of FMVSS 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s).	Yes	9:24
	(C) Description and explanation of adverse safety consequences of under-inflation including tire failure.	Yes	5:47, 9: 25
	(D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation.	Yes	9: 25, 26
(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	9:26
(4)(vi)	Tire care, including maintenance and safety practices.	Yes	8: 28-30, 9: 27-29
(4)(v)	(A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity.	Yes	9:30-37
	(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	9:30-37
	(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.	Yes	9: 36
	(D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires.	Yes	9: 30

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: _____

RECORDED BY: David K. Banks DATE: September 13, 2006

APPROVED BY: Kenneth H. Yates

SECTION 4

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

TABLE 1 - INSTRUMENTATION & EQUIPMENT LIST

EQUIPMENT	**DESCRIPTION**	**MODEL/ SERIAL NO**	**CAL. DATE**	**NEXT CAL. DATE**
PLATFORM SCALE (BALLAST)	HOWE RICHARDSON	MODEL #6401 0181-5509-26	8/10/2006	8/10/2007
AIR PRESSURE GAUGE	ASHCROFT GENERAL PURPOSE DIGITAL GAUGE	25C1005 PS02L100-B1 SERIAL #1003098	12/15/2005	12/15/2006
FLOOR SCALES (VEHICLE)	INTERCOMP SW DELUXE SCALES	SERIAL: #27032382 PART #100156	8/10/2006	8/10/2007

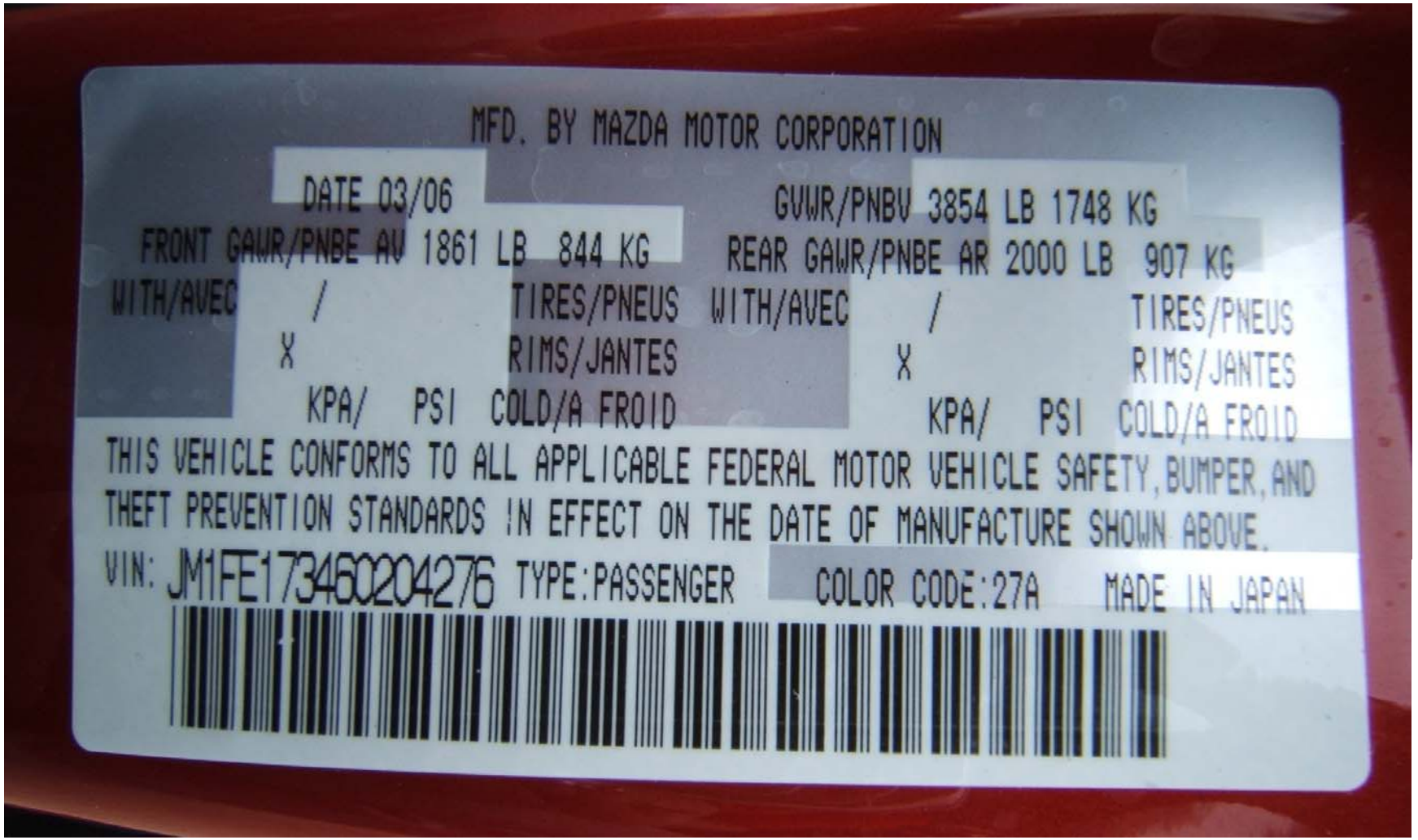
SECTION 5
PHOTOGRAPHS

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.1
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.2
¾ REAR FROM RIGHT SIDE OF VEHICLE



2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.3
VEHICLE CERTIFICATION LABEL

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.4
VEHICLE PLACARD

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.5
TIRE SHOWING BRAND

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.6
TIRE SHOWING MODEL

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.7
TIRE SHOWING SIZE, LOAD INDEX, AND SPEED SYMBOL

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

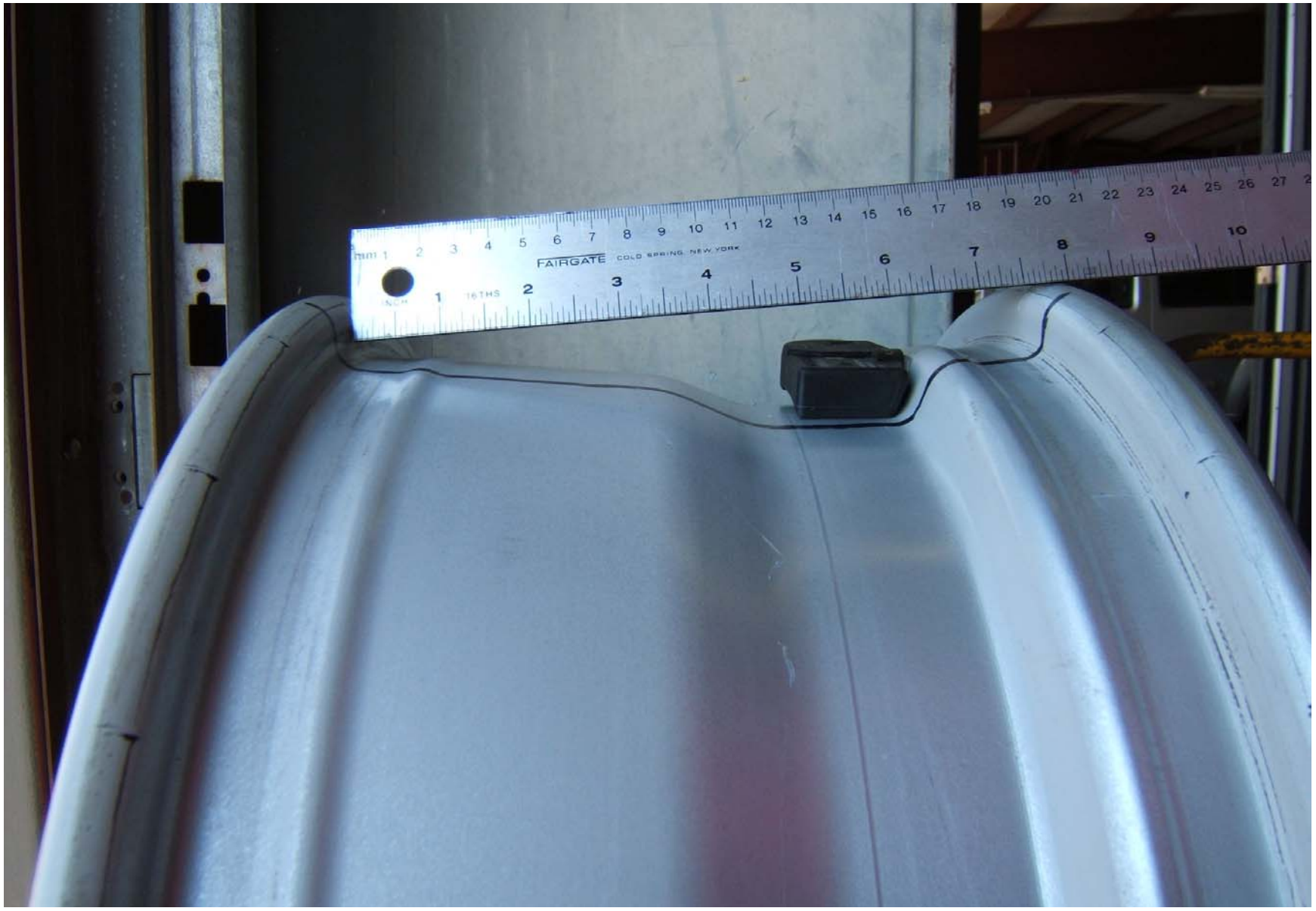
FIGURE 5.8
TIRE SHOWING MAX LOAD RATING AND MAX INFLATION PRESSURE

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.9
TIRE SHOWING CONSTRUCTION

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.10
TIRE SHOWING SERIAL NUMBER



2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.11
RIM CONTOUR FOR FULL WIDTH OF CROSS SECTION

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS 110

FIGURE 5.12a
RIM MARKINGS

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS 110

FIGURE 5.12b
RIM MARKINGS

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS 110

FIGURE 5.12c
RIM MARKINGS

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS 110

FIGURE 5.12d
RIM MARKINGS

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS 110

FIGURE 5.12e
RIM SHOWING SIZE

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS 110

FIGURE 5.12f
RIM MARKINGS

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS 110

FIGURE 5.12g
RIM MARKINGS

2006 MAZDA RX-8
NHTSA NO. C65403
FMVSS NO. 110

FIGURE 5.13
VEHICLE FRONT SEAT BALLASTED FOR MAXIMUM LOAD

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FIGURE 5.14
VEHICLE FRONT & REAR SEATS BALLASTED FOR MAXIMUM LOAD

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FIGURE 5.15
VEHICLE TRUNK SHOWN BALLASTED FOR CARGO

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FIGURE 5.16
VEHICLE ON WEIGHT SCALES