

REPORT NUMBER 110-STF-07-001

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

**DAIMLERCHRYSLER CORPORATION
2007 JEEP COMPASS
FOUR-DOOR 4X4 MPV
NHTSA NO. C70308**

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



September 5, 2007

FINAL REPORT

PREPARED FOR

**U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
NVS-220
OFFICE OF VEHICLE SAFETY COMPLIANCE
1200 NEW JERSEY AVENUE, SE
WASHINGTON, D.C. 20590**

This publication is distributed by the National Highway Traffic Safety Administration in the interest of information exchange. Opinions, findings and conclusions expressed in this publication are those of the author(s) and not necessarily those of the Department of Transportation or the National Highway Traffic Safety Administration. The United States Government assumes no liability for its contents or use thereof.

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: Thomas M. Acosta

Acceptance Date: September 5, 2007

1. Report No. 110-STF-07-001	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle Final Report of FMVSS 110 Compliance Testing of 2007 Jeep Compass four-door 4x4 MPV, NHTSA No. C70308		5. Report Date September 5, 2007	
		6. Performing Organization Code STF	
7. Author(s) R.N. Gregg, Safety Compliance Specialist Jack Stewart, Junior Systems Analyst		8. Performing Organization Rep# STF-DOT-07-110-001	
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. (TR AIS)	
		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 1200 New Jersey Avenue, SE Washington, DC 20590		13. Type of Report and Period Covered Final Test Report August 2 through August 9, 2007	
		14. Sponsoring Agency Code NVS-220	
15. Supplementary Notes			
16. Abstract Compliance tests were conducted on the subject 2007 Jeep Compass four-door 4x4 MPV in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-110T-01 for the determination of FMVSS 110 compliance. Test failures identified were as follows: Labeling failure (S110, S4.3.3).			
17. Key Words Compliance Testing Safety Engineering FMVSS 110		18. Distribution Statement Copies of this report are available from - National Highway Safety Administration Technical Information Services, NPO-411 1200 New Jersey Avenue, S.E. Washington, DC 20590 e-mail: tis@dot.gov	
19. Security Classification (of this report) UNCLASSIFIED	21. No. of Pages 43	22. Price	
20. Security Classification (of this page) UNCLASSIFIED			

TABLE OF CONTENTS

SECTION	PAGE
1 Purpose of Compliance Test	1
2 Test Procedure and Summary of Results	2
3 Test Data	3
4 Test Equipment List and Calibration Information	17
5 Photographs	18
Figure	
5.1 ¾ Frontal View from Left Side of Vehicle	
5.2 ¾ Rear View from Right Side of Vehicle	
5.3 Vehicle Certification Label	
5.4 Vehicle Placard	
5.5 Tire Showing Brand	
5.6 Tire Showing Model	
5.7 Tire Showing Size, Load Index and Speed Symbol	
5.8 Tire Showing Max Load Rating and Max Inflation Pressure	
5.9 Tire Showing Construction	
5.10 Tire Showing Serial Number	
5.11 Rim Contour for Full Width of Cross Section	
5.12 Rim Showing Manufacture Date	
5.13 Rim Showing Size, Type Designation, DOT Symbol, and Reference Source	
5.14 Rim Showing Country of Manufacture	
5.15 Rim Showing Manufacturer Symbol	
5.16 Rim Markings	
5.17 Vehicle Front Seat Ballasted for Maximum Load	
5.18 Vehicle Rear Seat Ballasted for Maximum Load	
5.19 Rear of Vehicle Shown Ballasted for Cargo	
5.20 Vehicle on Weight Scales	
6 Laboratory Notice of Test Failure	39

SECTION 1
INTRODUCTION

1.1 PURPOSE OF COMPLIANCE TEST

A 2007 Jeep Compass four-door 4x4 MPV was tested to determine if the vehicle was in compliance with the requirements of FMVSS 110. All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Test Procedure, TP-110T-01, dated December 15, 2005.

This standard establishes requirements to ensure that applicable vehicles are equipped with tires of adequate size and load rating and rims of appropriate size and type designation. This standard also establishes location, content, and format requirements for the Vehicle Placard and optional Tire Inflation Pressure Label.

1.2 TEST VEHICLE

The test vehicle was a 2007 Jeep Compass four-door 4x4 MPV. Nomenclatures applicable to the test vehicle are:

- A. Vehicle Identification Number: 1J8FF47W17D205199
- B. NHTSA No.: C70308
- C. Manufacturer: DaimlerChrysler Corporation
- D. Manufacture Date: 01/2007

1.3 TEST DATE

The test vehicle was tested August 2 through August 9, 2007.

SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.1 TEST PROCEDURE

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 as required by the NHTSA/OVSC Test Procedure. Tire sidewall information was recorded. The owner's manual was reviewed. Pertinent information from the tire and the rim was photographed.

Subsequent events included weighing the vehicle to establish delivered Unloaded Vehicle 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 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. Tire size information was taken from vehicle placard. 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 owner's manual was checked for all required information on tire loading, and on general tire and loading parameters.

2.2 SUMMARY OF RESULTS

The data indicate compliance of the Jeep Compass to all requirements of the standard except one. The failure dealt with the information presented on the vehicle certification label. This label did not have the rim and tire information as required by S110, S4.3.3. Due to this, the Jeep Compass tested was shown overall to fail FMVSS 110.

SECTION 3

TEST DATA

DATA SUMMARY SHEET (1 of 2)

VEHICLE MAKE/MODEL/BODY STYLE: 2007 Jeep Compass four-door 4x4 MPV

VEHICLE NHTSA NO.: C70308 VIN: 1J8FF47W17D205199

VEHICLE TYPE: MPV DATE OF MANUFACTURE: 01/2007

LABORATORY: US DOT San Angelo Test Facility

LIGHT TRUCK TYPE REQUIREMENTS

PASS/FAIL

General (Data Sheet 2)

The vehicle must be equipped with tires that meet the requirements of S109 or S119. (S120, S5.1.1)

PASS

Tire Load Limits (Data Sheet 2)

The sum of the maximum load ratings of the tires fitted to an axle is not less than the gross axle weight rating (GAWR) of the axle system as specified on the certification label. (S120, S5.1.2)

PASS

Rim (Data Sheet 3)

Each rim is constructed to the dimensions of a rim specified for the tire size equipped on the vehicle. (S120, S5.1.1)

PASS

Each rim is properly marked. (S120, S5.2)

PASS

Certification, Placard, and Tire Inflation Pressure Labels (Data Sheets 4)

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

The Part 567 certification label shows the size designation of the tires and and rims appropriate for the vehicle including the tire size(s) listed on the vehicle placard and, if provided, tire inflation pressure label (S110, S4.3.3)

FAIL

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

PASS

DATA SUMMARY SHEET (2 of 2)

Vehicle Weight Distribution (Data Sheet 5)

The Gross Vehicle Weight Rating (GVWR) is not less than the sum of the unloaded vehicle weight, rated cargo load, and 68 kg times the vehicle's designated seating capacity. However, for school buses, the minimum occupant weight allowance is 54 kg. (49 CFR 567, *Certification*)

PASS

Owner's Manual (Data Sheet 6)

Owner's manual or other document has discussion of 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: 2007 Jeep Compass four-door 4x4 MPV

VEHICLE NHTSA NUMBER: C70308 TEST DATE: August 3, 2007

VIN:: 1J8FF47W17D205199 MANUFACTURE DATE: 01/2007

GVWR: 2,076 kg (4,575 lbs) GAWR (front): 1,080 kg (2,380 lbs)
GAWR (rear): 1,044 kg (2,300 lbs)

SEATING POSITIONS: FRONT 2 MID N/A REAR 3

ODOMETER READING AT START OF TEST: 161 km (100 mi)

ENGINE DATA: 4 Cylinders 2.4 Liters Cubic Inches

TRANSMISSION DATA: Automatic X Manual 5 No. of Speeds

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

CHECK APPROPRIATE BOXES FOR INSTALLED VEHICLE EQUIPMENT:

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

REMARKS: Vehicle did not have a window sticker as received from previous lab.

RECORDED BY: Jack R. Stewart

DATE: August 3, 2007

APPROVED BY: Kenneth H. Yates

DATA SHEET 2 (2 of 2)
VEHICLE TIRE IDENTIFICATION AND LOAD LIMITS

MOUNTED TIRE VS. AXLE RATING COMPARISON (at sidewall maximum inflation pressure)		
	FRONT AXLE	REAR AXLE
A. GAWR from certification label	1,080 kg (2,380 lbs)	1,044 kg (2,300 lbs)
B. Tire Maximum Load Rating from above	690 kg (1,521 lbs)	690 kg (1,521 lbs)
C. Reduced tire load rating if applicable*	627 kg (1,383 lbs)	627 kg (1,383 lbs)
D. (No. of tires) x (Tire load rating de-rated if appropriate)	1,254 kg (2,766 lbs)	1,254 kg (2,766 lbs)
Is "D" equal to or greater than "A"? (Yes/No)	Yes	Yes

* If a passenger car tire is installed on a multipurpose passenger vehicle (MPV), truck or bus, the tire's load rating is reduced by dividing by 1.10.

DATA INDICATES COMPLIANCE:

PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Jack R. Stewart

DATE: August 2, 2007

APPROVED BY: Kenneth H. Yates

**DATA SHEET 3
VEHICLE RIM IDENTIFICATION**

VEHICLE MAKE/MODEL/BODY STYLE: 2007 Jeep Compass four-door 4x4 MPV

VEHICLE NHTSA NO. C70308 VIN: 1J8FF47W17D205199

LABORATORY: US DOT San Angelo Test Facility TEST DATE: August 8 - 9, 2007

Rim Markings	RIGHT FRONT	LEFT REAR (if different)
A. Source of published dimensions (letter designation)	T	
B. Rim Size	17x6.5J	
C. Does rim contain DOT symbol? (Yes/No)	Yes	
D. Manufacturer's name, symbol or trademark (copy format)		
E. Date of manufacture or symbol (copy format)	102506D	
Do items A-C appear on weather side of rim (Yes/No)	Yes	
Letter height (not less than 3 mm)	Yes	
Lettering (impressed or embossed)	Both	
Are all rim markings legible? (Yes/No)	Yes	
Do all markings comply with requirements (Yes/No)	Yes	

Rim Measurements	RIGHT FRONT	LEFT REAR (if different)
Rim width	16.5 cm (6.5 in)	
Rim diameter	43.2 cm (17 in)	
Rim measurements same as rim markings?	Yes	

Rims are suitable for tires on vehicle? (X)YES () NO

Reference source used for tire/rim match verification: 2007 Tire & Rim Association Yearbook

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Robert N. Gregg DATE: August 9, 2007

APPROVED BY: Kenneth H. Yates

DATA SHEET 4 (1 of 3)
VEHICLE PLACARD AND TIRE INFLATION PRESSURE LABEL

VEHICLE MAKE/MODEL/BODY STYLE: 2007 Jeep Compass four-door 4x4 MPV

VEHICLE NHTSA NO. C70308 VIN: 1J8FF47W17D205199

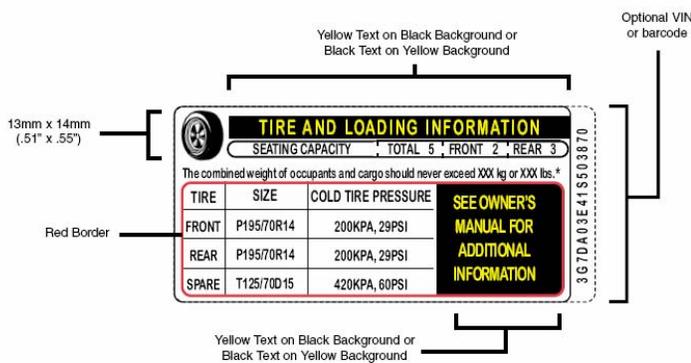
LABORATORY: US DOT San Angelo Test Facility TEST DATE: August 3, 2006

Identification of Vehicle Labeling

	(Yes/No)	Location	PASS/FAIL
1. Certification Label*	<u>Yes</u>	<u>Driver's door edge</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>		<u>N/A</u>

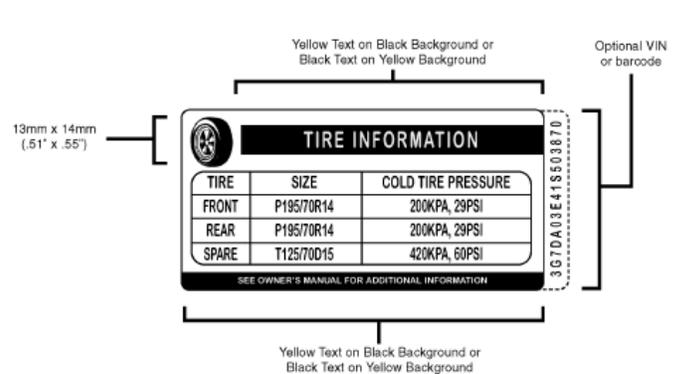
* Labels must be located as specified in section 12.4 of test procedure.

Vehicle Placard



**FIGURE 1
(70 FR 14425)**

Tire Inflation Pressure Label



**FIGURE 2
(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 1 and text is in English language. () YES (X) NO

If no, explain: Size and Pressure are transposed with Front, Rear, and Spare.

'See owner's manual' statement is at the bottom of the label. The Compass format is not consistent with the format specified in Figure 1 of the standard.

DATA SHEET 4 (2 of 3)
VEHICLE PLACARD AND TIRE INFLATION PRESSURE LABEL

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

Combined weight of occupants and cargo 419 kg (925 lbs)

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

Tire Information:

Tire Size: Front P215/60R17 ; Rear P215/60R17

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?
 YES NO

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

Vehicle Certification Label information:

	Tire Size	Rim Size	Rim Suitable for Tire?*
Front Axle	_____	_____	<u>See Remarks</u>
Rear Axle	_____	_____	<u>See Remarks</u>

*Referenced source used for tire/rim match verification:

Is (Are) tire size(s) listed on the vehicle placard and/or tire inflation pressure label also listed on the certification label with suitable rim size?
 YES NO

DATA SHEET 4 (3 of 3)
VEHICLE PLACARD AND TIRE INFLATION PRESSURE LABEL

LABELED TIRE CAPACITY AT SPECIFIED PRESSURE		
GVWR <u>2,076 kg (4,575 lbs)</u>	FRONT AXLE	REAR AXLE
A. GAWR from certification label	1,080 kg (2,380 lbs)	1,044 kg (2,300 lbs)
B. Tire load rating of labeled tire size at labeled inflation pressure*	670 kg (1,477 lbs)	670 kg (1,477 lbs)
C. Reduced tire load rating if applicable**	609 kg (1,343 lbs)	609 kg (1,343 lbs)
D. (No. of tires) x (Tire load rating de-rated if appropriate)	1,218 kg (2,686 lbs)	1,218 kg (2,686 lbs)
Is "D" equal to or greater than "A"?	Yes	Yes

*Reference source used for determining load rating: 2007 Tire & Rim Assoc. Yearbook

** If a passenger car tire is installed on a multipurpose passenger vehicle (MPV), truck or bus, the tire's load rating is reduced by dividing by 1.10.

DATA INDICATES COMPLIANCE:

PASS/FAIL: FAIL

REMARKS: No tire and rim information was found on the certification label.

RECORDED BY: Jack R. Stewart

DATE: August 3, 2007

APPROVED BY: Kenneth H. Yates

DATA SHEET 5 (1 of 2)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

VEHICLE MAKE/MODEL/BODY STYLE: 2007 Jeep Compass four-door 4x4 MPV

VEHICLE NHTSA NO. C70308 VIN: 1J8FF47W17D205199

LABORATORY: US DOT San Angelo Test Facility TEST DATE: August 3, 2007

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

* Transmission, windshield washer, power steering fluid & engine oil

Tire Pressures: LF 220.1 kPa (31.9 psi) LR 220.0 kPa (31.9 psi)
RF 220.0 kPa (31.9 psi) RR 220.1 kPa (31.9 psi)

Vehicle Occupant Load

Seating Capacity from Placard:

Total 5 ; Front 2 ; Rear 3

Full Occupant Load 340 kg (750 lbs)

[# of occupants x 68 KG per adult occupant and 54 KG per student occupant]

Vehicle Luggage/Cargo Load

(1) Vehicle Capacity Weight (from placard) 419 kg (925 lbs)

(2) Full Occupant Load (from above) 340 kg (750 lbs)

(3) Luggage/Cargo Load (subtract (2) from (1)), 79 kg (175 lbs)

Describe placement of cargo: Equally spaced weight distribution, front

to rear and side to side

DATA SHEET 5 (2 of 2)
VEHICLE WEIGHT DISTRIBUTION

ITEM	Tire or Vehicle Rating*	Unloaded Vehicle Weight		Vehicle Weight with Full Occupant Load		Vehicle Maximum Weight with Occupants and Cargo	
		Measured	Over-load	Measured	Over-load	Measured	Over-load
Left Front Tire	609 kg (1,343 lbs)	422.5 kg (931.5 lbs)	no	477.0 kg (1,051.6 lbs)	no	470.5 kg (1,037.3 lbs)	no
Right Front Tire	609 kg (1,343 lbs)	409.5 kg (902.8 lbs)	no	465.5 kg (1,026.3 lbs)	no	461.5 kg (1,017.4 lbs)	no
Front Axle (GAWR)	1,080 kg (2,380 lbs)	832.0 kg (1,834.2 lbs)	no	942.5 kg (2,077.9 lbs)	no	932.0 kg (2,054.7 lbs)	no
Left Rear Tire	609 kg (1,343 lbs)	314.5 kg (693.4 lbs)	no	426.0 kg (939.2 lbs)	no	471.0 kg (1,038.4 lbs)	no
Right Rear Tire	609 kg (1,343 lbs)	323.5 kg (713.2 lbs)	no	442.0 kg (974.4 lbs)	no	486.5 kg (1,072.5 lbs)	no
Rear Axle (GAWR)	1,044 kg (2,300 lbs)	638.0 kg (1,406.5 lbs)	no	868.0 kg (1,913.6 lbs)	no	957.5 kg (2,110.9 lbs)	no
Total Vehicle (GVWR)	2,076 kg (4,575 lbs)	1,470.0 kg (3,240.8 lbs)	no	1,810.5 kg (3,991.5 lbs)	no	1,889.5 kg (4,165.6 lbs)	no

* Vehicle and axle weight ratings (GVWR & GAWR) are located on the vehicle certification label. Vehicle tire load ratings are based upon the inflation pressure specified on the Vehicle Placard or Tire Inflation Pressure Label for each respective axle, as determined from the appropriate Tire and Rim reference manual. If a passenger car tire is installed on a multipurpose passenger vehicle (MPV), truck or bus, the tire's load rating is reduced by dividing by 1.10.

DATA INDICATES COMPLIANCE:

PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Jack R. Stewart

DATE: August 3, 2007

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2007 Jeep Compass four-door 4x4 MPV

VEHICLE NHTSA NO. C70308 VIN: 1J8FF47W17D205199

LABORATORY: US DOT San Angelo Test Facility TEST DATE: August 3, 2007

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	251 - 254
(4)(ii)	(A) Description and explanation of recommended cold tire inflation pressure.	YES	260 - 261
	(B) Description and explanation of FMVSS 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s).	YES	255
	(C) Description and explanation of adverse safety consequences of under-inflation including tire failure.	YES	259
	(D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation.	YES	261
(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	251 - 253
(4)(vi)	Tire care, including maintenance and safety practices.	YES	259 - 268
(4)(v)	(A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity.	YES	256 - 257
	(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	256 - 258
	(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.	YES	256 - 258
	(D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires.	YES	259

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: None

RECORDED BY: Robert N. Gregg

DATE: August 3, 2007

APPROVED BY: Kenneth H. Yates

SECTION 4

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

TABLE 1 - EQUIPMENT INFORMATION LIST

EQUIPMENT	DESCRIPTION	MODEL/ SERIAL NO	CAL. DATE	NEXT CAL. DATE
PLATFORM SCALE (BALLAST)	HOWE RICHARDSON	MODEL #6401 SERIAL #0181- 5509-26	8/10/2006	8/10/2007
AIR PRESSURE GAUGE	ASHCROFT GENERAL PURPOSE DIGITAL GAUGE	MODEL #25C1005 PS02L100-B1 SERIAL #1003098	12/20/06	12/20/2007
FLOOR SCALES (VEHICLE)	INTERCOMP SW DELUXE SCALES	PART #100156 SERIAL #27032382	8/10/2006	8/10/2007

SECTION 5
PHOTOGRAPHS



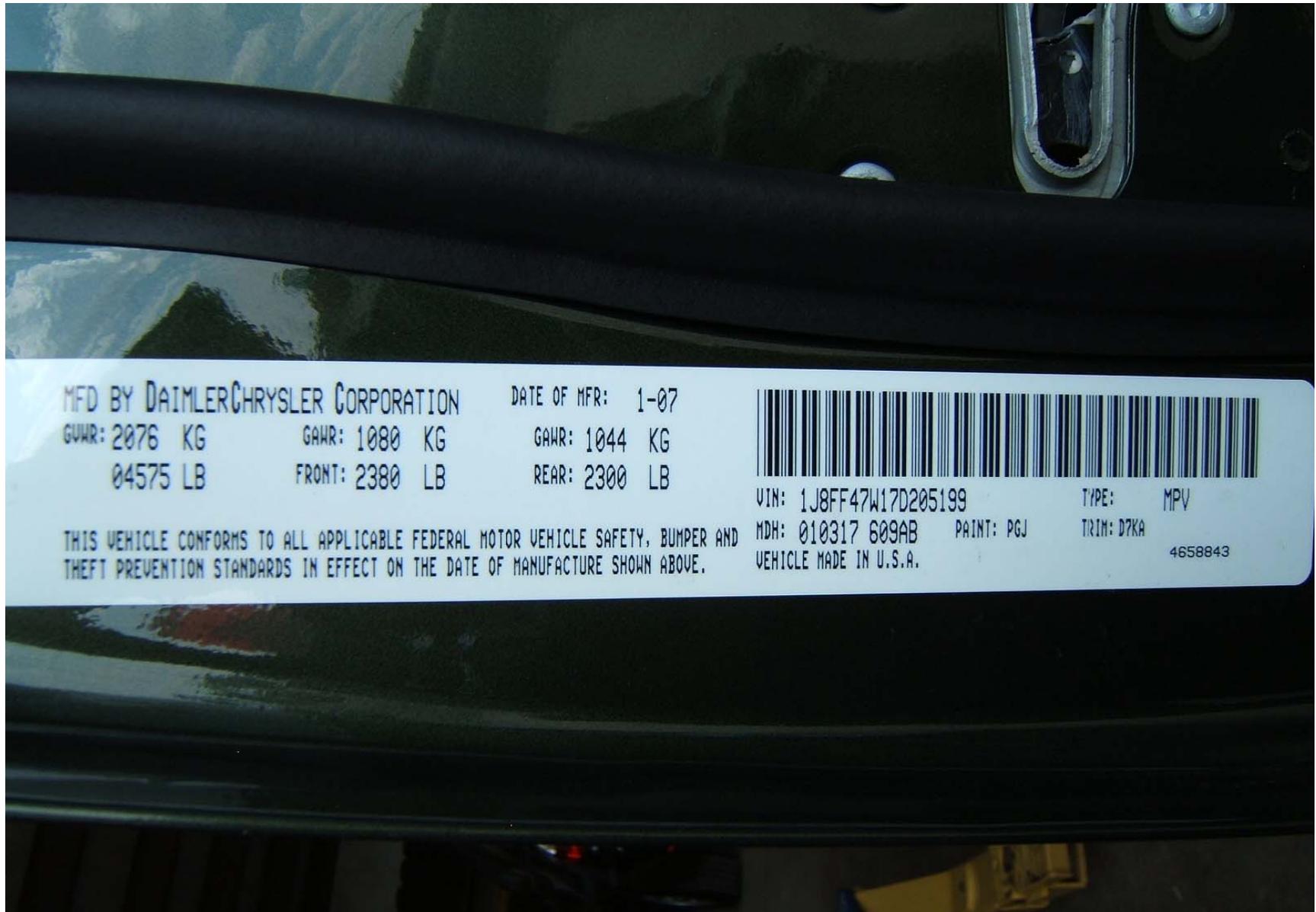
2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.1
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE



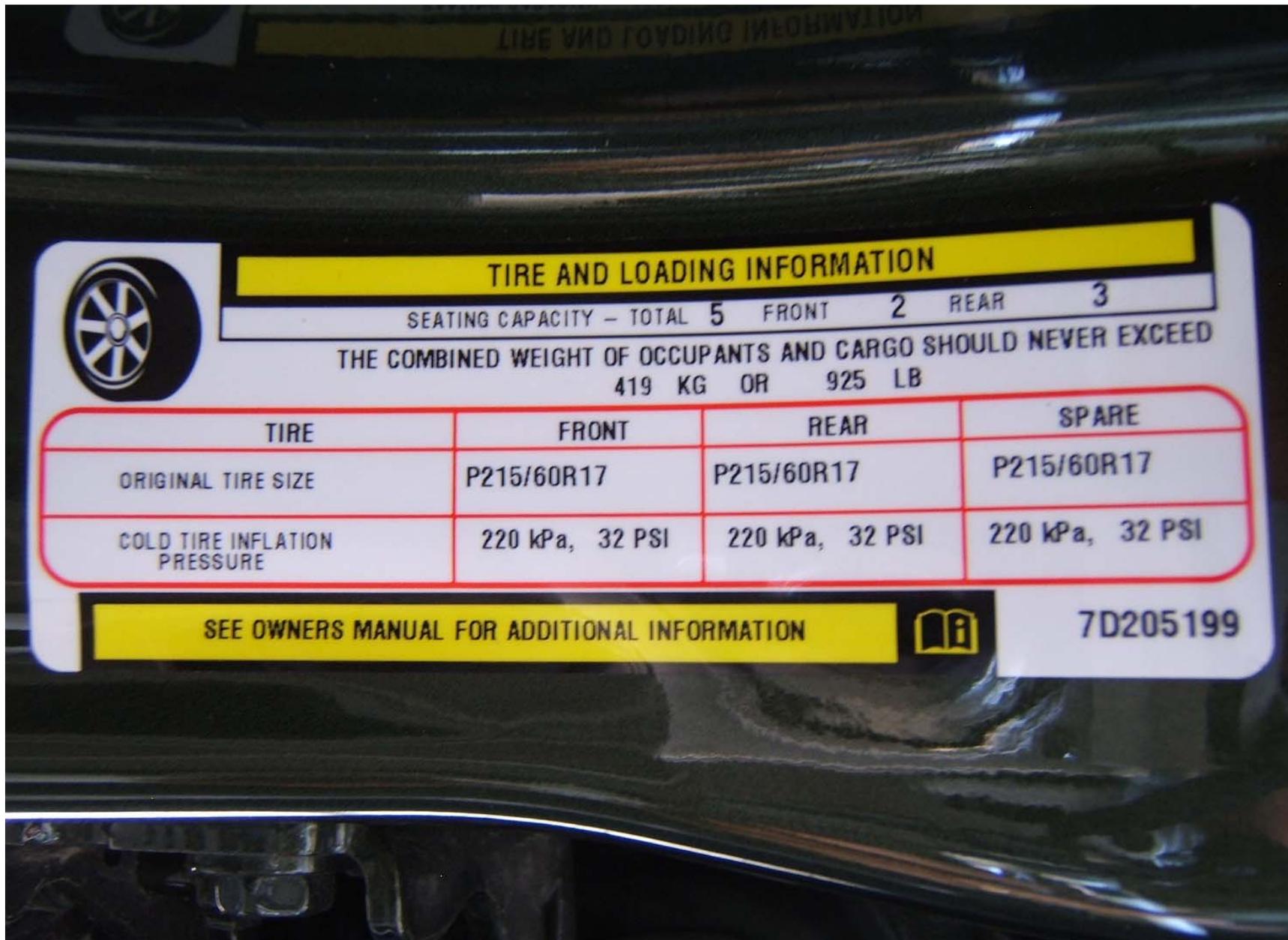
2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.2
¾ REAR VIEW FROM RIGHT SIDE OF VEHICLE



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO.110

FIGURE 5.3
VEHICLE CERTIFICATION LABEL



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO.110

FIGURE 5.4
VEHICLE PLACARD



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.5
TIRE SHOWING BRAND



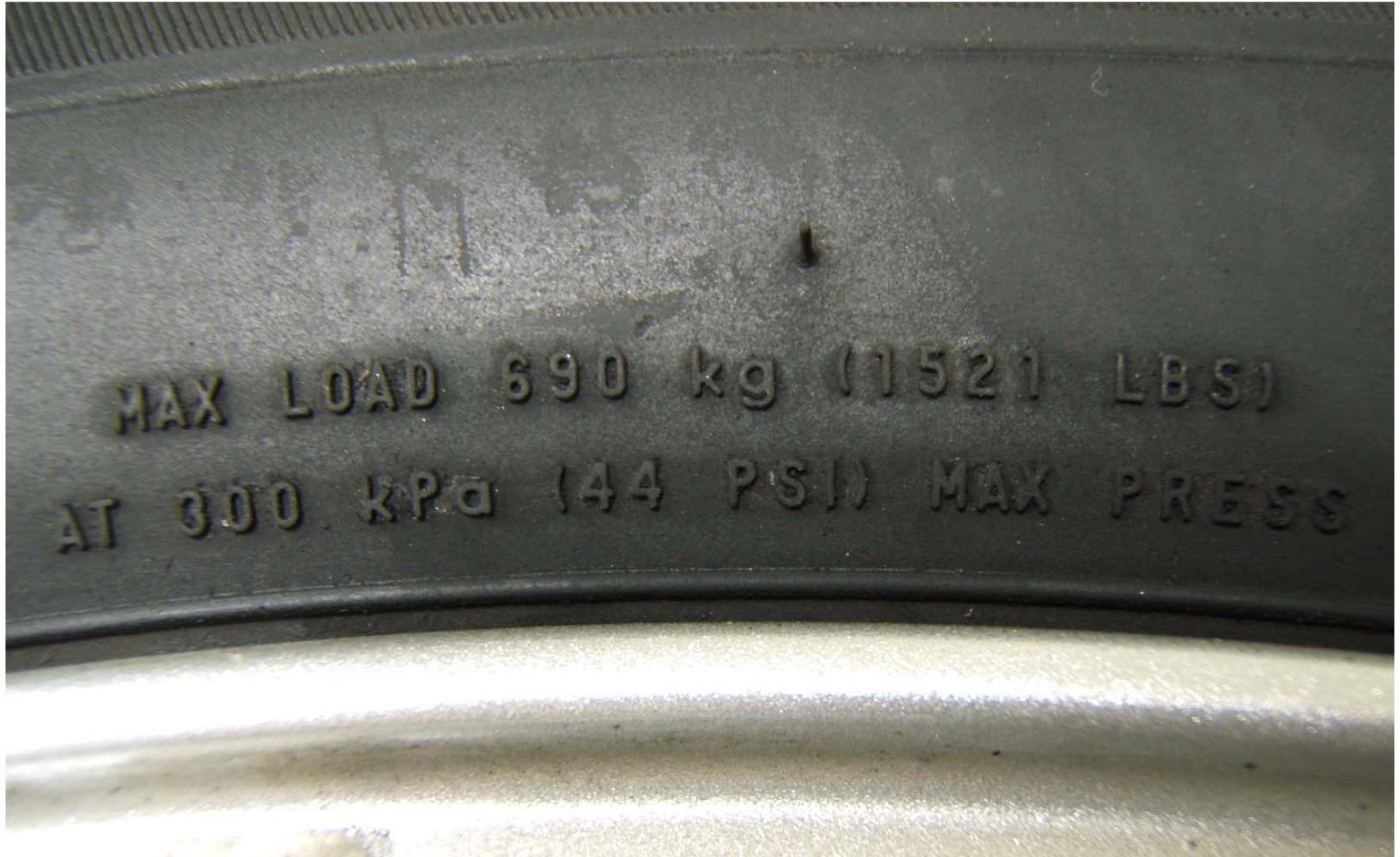
2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.6
TIRE SHOWING MODEL



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

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



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.8
TIRE SHOWING MAX LOAD RATING AND MAX INFLATION PRESSURE



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.9
TIRE SHOWING CONSTRUCTION



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.10
TIRE SHOWING SERIAL NUMBER



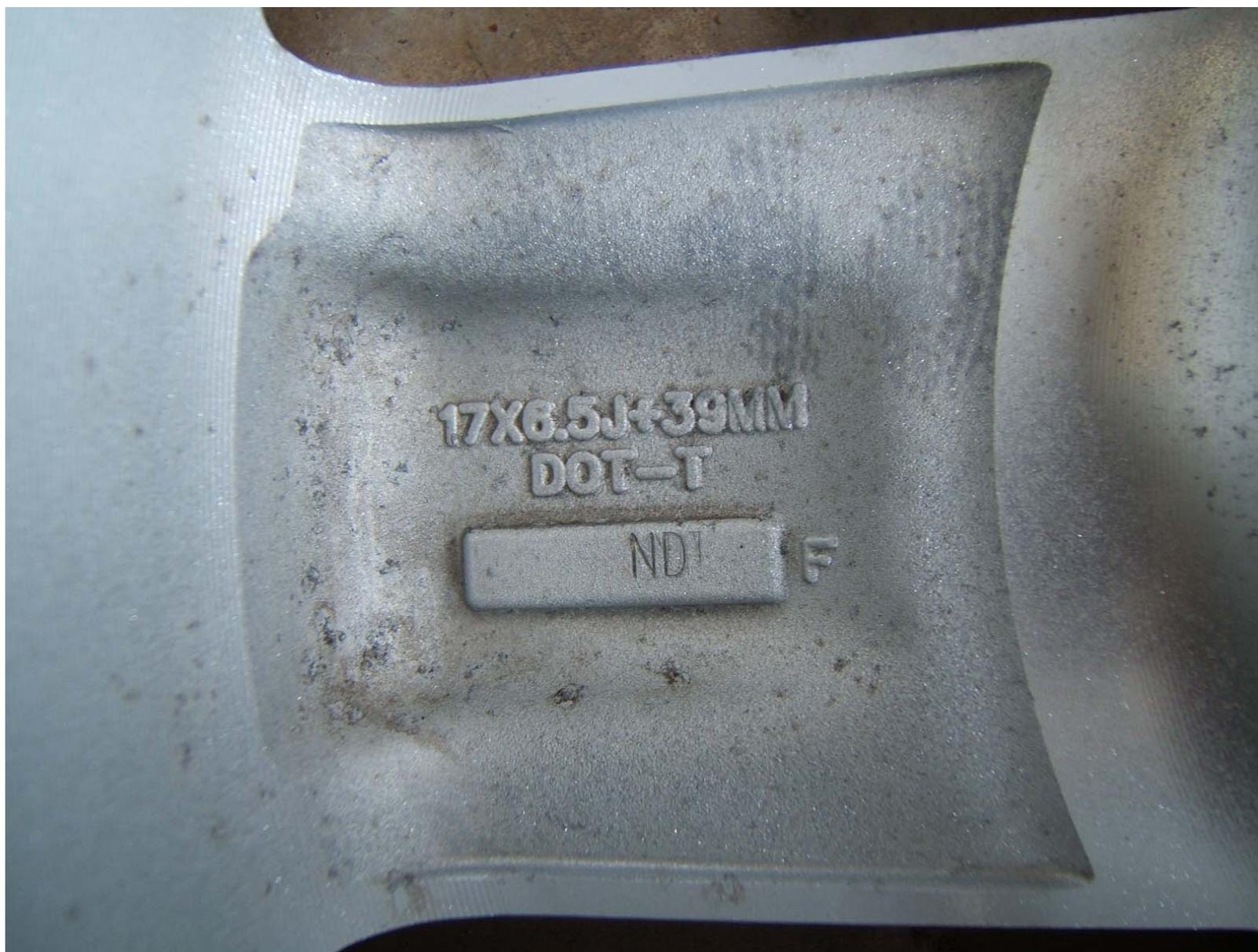
2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.11
RIM CONTOUR FOR FULL WIDTH OF CROSS SECTION



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.12
RIM SHOWING MANUFACTURE DATE



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.13
RIM SHOWING SIZE, TYPE DESIGNATION,
DOT SYMBOL, AND REFERENCE SOURCE



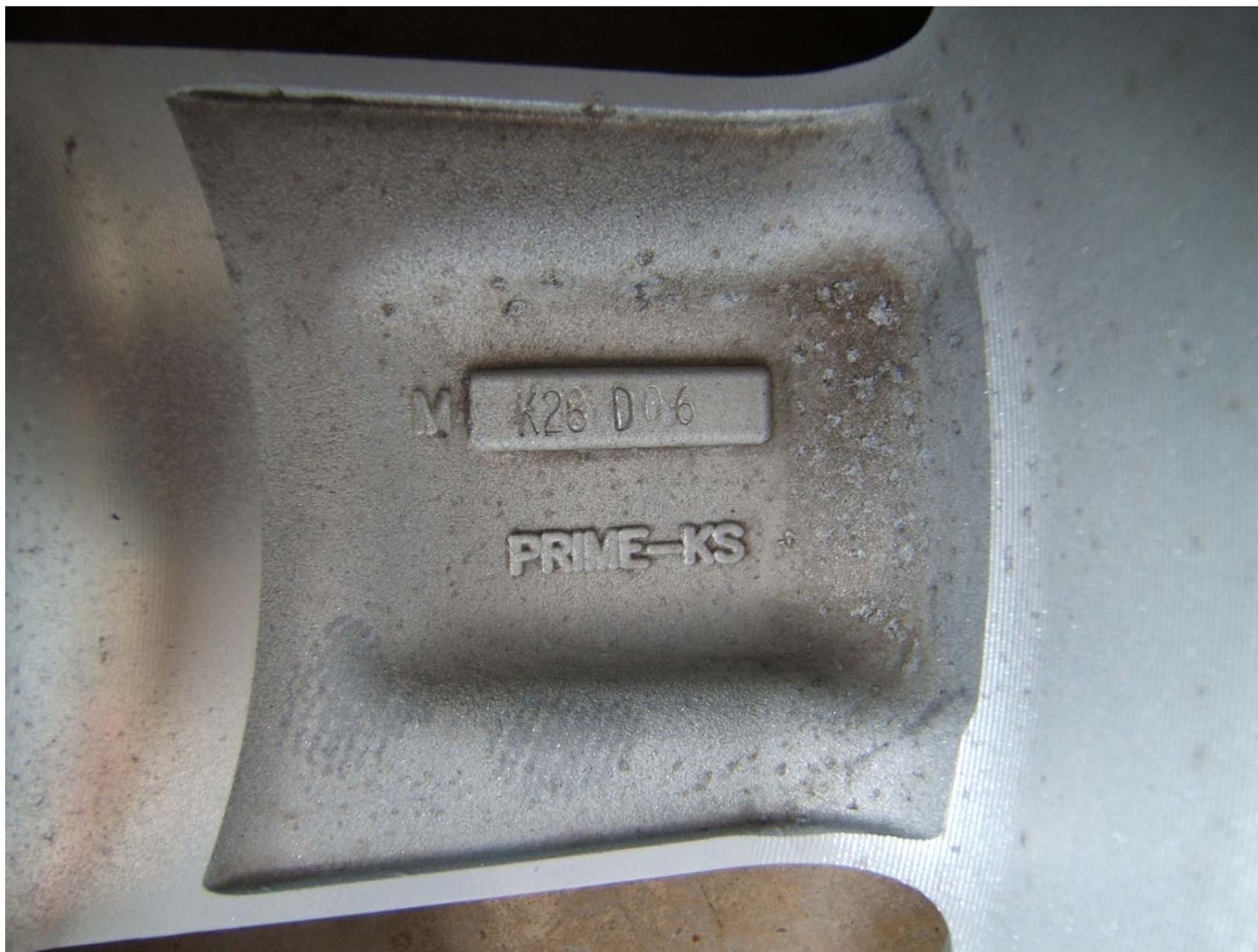
2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.14
RIM SHOWING COUNTRY OF MANUFACTURE



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.15
RIM SHOWING MANUFACTURER SYMBOL



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.16
RIM MARKINGS



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.17
VEHICLE FRONT SEAT BALLASTED
FOR MAXIMUM LOAD



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.18
VEHICLE REAR SEAT BALLASTED
FOR MAXIMUM LOAD



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.19
REAR OF VEHICLE SHOWN BALLASTED FOR CARGO



2007 JEEP COMPASS
NHTSA NO. C70308
FMVSS NO. 110

FIGURE 5.20
VEHICLE ON WEIGHT SCALES

SECTION 6

LABORATORY NOTICE OF TEST FAILURE

FMVSS NO.: 110 TEST DATE: August 2 through August 9, 2007

LABORATORY: US DOT San Angelo Test Facility

CONTRACT NO.: N/A DELV. ORDER NO.: N/A

LABORATORY PROJECT ENGINEER'S NAME: Kenneth H. Yates

TEST SPECIMEN DESCRIPTION: 2007 Jeep Compass four-door 4x4 MPV

NHTSA VEHICLE NO.: C70308 VIN: 1J8FF47W17D205199

MFR: DaimlerChrysler Corporation

TEST FAILURE DESCRIPTION: The vehicle certification label did not indicate tire and rim information as required by S4.3.3 of FMVSS 110, and verified by FMVSS 110 testing. See photograph of label, Figure 5.3.

FMVSS REQUIREMENT, PARAGRAPH S S110, S4.3.3 :
(Cross-referenced to Part 567.4) "Each vehicle shall show the size designation and, if applicable, the type designation of rims...."

NOTIFICATION TO NHTSA (COTR): Theresa Lacuesta

DATE: August 21, 2007 BY: Kenneth H. Yates

REMARKS: _____