

REPORT NUMBER 110-STF-11-008

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

CHRYSLER GROUP LLC  
2012 FIAT 500  
TWO-DOOR PASSENGER CAR  
NHTSA NO. CC0500

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



August 23, 2011

**FINAL REPORT**

**PREPARED FOR**

**U. S. DEPARTMENT OF TRANSPORTATION  
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION  
ENFORCEMENT  
OFFICE OF VEHICLE SAFETY COMPLIANCE  
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WASHINGTON, D.C. 20590**

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## SECTION 1

### INTRODUCTION

#### 1.1 PURPOSE OF COMPLIANCE TEST

A 2012 Fiat 500 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 2012 Fiat 500 two-door passenger car. Nomenclatures applicable to the test vehicle are:

A. Vehicle Identification Number: 3C3CFFAR4CT102456

B. NHTSA Number: CC0500

C. Manufacturer: Chrysler Group LLC

D. Manufacture Date: 02/2011

#### 1.3 TEST DATE

The test vehicle was tested June 21, 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 Fiat 500 with all requirements tested.

SECTION 3  
TEST DATA

## DATA SUMMARY SHEET

VEHICLE MAKE/MODEL/BODY STYLE: 2012 Fiat 500 two-door passenger car

VEHICLE NHTSA NUMBER: CC0500 VIN: 3C3CFFAR4CT102456

VEHICLE TYPE: passenger car DATE OF MANUFACTURE: 02/2011

LABORATORY: U.S. 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 Fiat 500.



**DATA SHEET 1**  
**TEST VEHICLE INFORMATION/RECEIVING INSPECTION**

VEHICLE MAKE/MODEL/BODY STYLE: 2012 Fiat 500 two-door passenger car

VEHICLE NHTSA NUMBER: CC0500 TEST DATE: June 21, 2011

VIN: 3C3CFFAR4CT102456 MANUFACTURE DATE: 02/2011

GVWR: 1,497 kg (3,300 lb) GAWR(front): 851 kg (1,874 lb)

GAWR(rear): 810 kg (1,785 lb)

SEATING POSITIONS: FRONT 2 MID N/A REAR 2

ODOMETER READING AT START OF TEST: 126 km (78 mi)

ENGINE DATA: 4 Cylinders 1.4 Liters        Cubic Inches

TRANSMISSION DATA:        Automatic X Manual 5 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		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: June 21, 2011

APPROVED BY: Kenneth H. Yates

**DATA SHEET 2  
VEHICLE TIRE IDENTIFICATION**

VEHICLE MAKE/MODEL/BODY STYLE: 2012 Fiat 500 two-door passenger car  
 VEHICLE NHTSA NUMBER: CC0500 VIN: 3C3CFFAR4CT102456  
 LABORATORY: U.S. DOT San Angelo Test Facility TEST DATE: June 21, 2011

All tires on the vehicle (excluding the spare) are the same size: ( X ) YES ( ) NO

<b>Tire Sidewall</b>	<b>Right Front</b>	<b>Left Rear (If different)</b>	<b>Spare Tire (If different)</b>
Manufacturer and Model	<u>Continental ContiProContact</u>	<u></u>	<u>This vehicle is not equipped with a spare.</u>
Tire Size Designation	<u>185/55R15</u>	<u></u>	<u></u>
Load Index/Speed Symbol	<u>82H</u>	<u></u>	<u></u>
Maximum Inflation Pressure	<u>350 kPa (51 psi)</u>	<u></u>	<u></u>
Maximum Load Rating	<u>475 kg (1,047 lb)</u>	<u></u>	<u></u>
Tread/Traction/Temperature	<u>500/AA/A</u>	<u></u>	<u></u>
Tires Have "DOT" Markings	<u>Yes</u>	<u></u>	<u></u>

Serial Number: Right Front P58X3X44210 Left Front P58X3X44110  
 Right Rear P58X3X44210 Left Rear P58X3X44110  
 Spare None

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

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

RECORDED BY: Todd P. Groghan DATE: June 21, 2011

APPROVED BY: Kenneth H. Yates

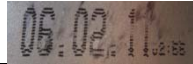
**DATA SHEET 3  
VEHICLE RIM IDENTIFICATION**

VEHICLE MAKE/MODEL/BODY STYLE: 2012 Fiat 500 two-door passenger car  
 VEHICLE NHTSA NUMBER: CC0500 VIN: 3C3CFFAR4CT102456  
 LABORATORY: U.S. DOT San Angelo Test Facility TEST DATE: June 21, 2011

**Rim Markings (if available):**

**Right Front**

**Left Rear**

Manufacturer's Name, Symbol or Trademark	<u>Ronal</u>	<u></u>
Rim Size	<u>15x6</u>	<u></u>
Date of Manufacture		<u></u>
Does Rim contain 'DOT' symbol? (YES/NO)	<u>Yes</u>	<u></u>
Other Rim Markings	<u>See Figures 5.11 &amp; 5.12</u>	<u></u>
Rim Inspection Comments:	<u></u>	

**Rim Size:**

	Tire Size	Measured Rim Width	Measured Rim Diameter
Right Front Wheel	<u>185/55R15</u>	<u>15.2 cm (6 in)</u>	<u>38.1 cm (15 in)</u>
Left Rear Wheel	<u>185/55R15</u>	<u>15.2 cm (6 in)</u>	<u>38.1 cm (15 in)</u>

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

Installed rims are suitable for installed tires?  YES  NO

Reference document: 2008 European Tyre & Rim Technical Organization Yearbook

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan DATE: June 21, 2011

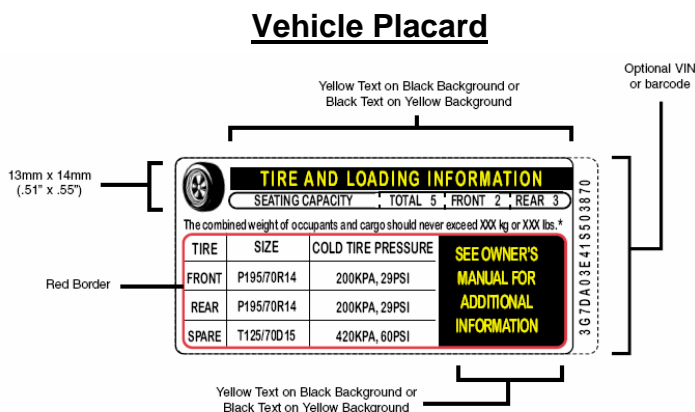
APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2012 Fiat 500 two-door passenger car  
 VEHICLE NHTSA NUMBER: CC0500 VIN: 3C3CFFAR4CT102456  
 LABORATORY: U.S. DOT San Angelo Test Facility TEST DATE: June 21, 2011

**Identification of Vehicle Labeling**

	Yes/No	Location	PASS/FAIL
1. Certification Label	<u>Yes</u>	<u>Driver's door</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></u>	<u></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 ( X ) NO

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

**Vehicle Placard Information:**

Combined weight of occupants and cargo 340 kg (750 lb)

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

Note: Axes on table for 'Front/Rear/Spare' and 'Original Tire Size and Cold Tire Inflation Pressure' are reversed, but all required information is present.

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

**Vehicle Placard Tire Information:**

Tire size:                      Front 185/55R15                      Rear 185/55R15

Tire Inflation Pressure:    Front 230 kPa (33 psi)                      Rear 210 kPa (30 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: June 21, 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: 2012 Fiat 500 two-door passenger car  
VEHICLE NHTSA NUMBER: CC0500 VIN: 3C3CFFAR4CT102456  
LABORATORY: U.S. DOT San Angelo Test Facility TEST DATE: June 21, 2011

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

\* Transmission, windshield washer, brake, and engine oil.

Tire Pressures: LF 230 kPa (33 psi) LR 210 kPa (30 psi)  
RF 230 kPa (33 psi) RR 210 kPa (30 psi)

**A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES**

LF 347 kg (766 lb) LR 195 kg (431 lb)  
RF 337 kg (742 lb) RR 198 kg (436 lb)  
Front Axle 684 kg (1,508 lb) Rear Axle 393 kg (867 lb)  
Total Vehicle 1,077 kg (2,375 lb)

**B. MEASURED VEHICLE NORMAL LOAD WEIGHT**

- (1) Seating Capacity from Vehicle Placard = Total 4 Front 2 Rear 2  
(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 381 kg (840 lb) LR 230 kg (507 lb)  
RF 370 kg (816 lb) RR 232 kg (512 lb)  
Front Axle 751 kg (1,656 lb) Rear Axle 462 kg (1,019 lb)  
Total Vehicle 1,213 kg (2,675 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] = 376 kg (828 lb)

Rear Tires [measured rear axle normal load/2] = 231 kg (510 lb)

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

	FRONT	REAR
Load rating at recommend cold inflation pressure=	<u>445 kg (981 lb)</u>	<u>415 kg (915 lb)</u>
94% of load rating =	<u>418 kg (922 lb)</u>	<u>390 kg (860 lb)</u>

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 4      Front 2      Rear 2

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

(3) Measured Vehicle Weight with Full Occupant Load:

LF <u>390 kg (859 lb)</u>	LR <u>288 kg (634 lb)</u>
RF <u>382 kg (842 lb)</u>	RR <u>290 kg (640 lb)</u>
Front Axle <u>772 kg (1,701 lb)</u>	Rear Axle <u>578 kg (1,274 lb)</u>
Total Vehicle <u>1,350 kg (2,975 lb)</u>	

**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): 340 kg (750 lb)

(2) Full Occupant Load (from C.(2)): 272 kg (600 lb)

(3) Luggage/Cargo Load (subtract (2) from (1)): 68 kg (150 lb)

(4) Measured Vehicle Maximum Load on Axles:

LF <u>390 kg (859 lb)</u>	LR <u>323 kg (712 lb)</u>
RF <u>378 kg (834 lb)</u>	RR <u>327 kg (720 lb)</u>
Front Axle <u>768 kg (1,693 lb)</u>	Rear Axle <u>650 kg (1,432 lb)</u>
Total Vehicle <u>1,418 kg (3,125 lb)</u>	

(5) Calculated Vehicle Maximum Load on the Tire:

Front Tires [measured front axle maximum load/2]= 384 kg (847 lb)

Rear Tires [measured rear axle maximum load/2] = 325 kg (716 lb)

(6) Tire Sidewall Maximum Load Ratings:

	Front	Rear
Installed Tire Size	<u>185/55R15</u>	<u>185/55R15</u>
Max. Load Rating on Sidewall	<u>475 kg (1,047 lb)</u>	<u>475 kg (1,047lb)</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>185/55R15</u>	<u>185/55R15</u>
Labeled Cold Inflation Pressure	<u>230 kPa (33 psi)</u>	<u>210 kPa (30 psi)</u>
Load Rating at This Pressure	<u>445 kg (981 lb)</u>	<u>415 kg (915 lb)</u>
Reference used to obtain Load Rating: <u>2008 European Tyre &amp; Rim Technical</u> <u>Organization 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: June 21, 2011

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2012 Fiat 500 4-door passenger car

VEHICLE NHTSA NUMBER: CC0500 VIN: 3C3CFFAR4CT102456

LABORATORY: U.S. DOT San Angelo Test Facility TEST DATE: June 21, 2011

**Owner's Manual Discusses:**

<b>Part 575.6(a) Paragraph</b>	<b>Required Discussion Topic</b>	<b>Discussed in Manual? (YES/NO)</b>	<b>Page Numbers</b>
(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	2 - 5
(4)(ii)	(A) Description and explanation of recommended cold tire inflation pressure.	Yes	6, 13
	(B) Description and explanation of FMVSS NO. 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s).	Yes	7, 8
	(C) Description and explanation of adverse safety consequences of under-inflation including tire failure.	Yes	12
	(D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation.	Yes	13
(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 NO. 110 & 139.	Yes	6
(4)(iv)	Tire care, including maintenance and safety practices.	Yes	18 - 20
(4)(v)	(A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity.	Yes	8, 9
	(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 - 11
	(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.	Yes	9, 19, 20
	(D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires.	Yes	10, 12

**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:   The owner's manual for this vehicle is on DVD, but a Tire Information Supplement is provided in paper form.  

RECORDED BY:   Todd P. Groghan  

DATE:   June 21, 2011  

APPROVED BY:   Kenneth H. Yates

SECTION 4

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

<b>EQUIPMENT</b>	<b>DESCRIPTION</b>	<b>MODEL/ SERIAL NO</b>	<b>CAL. DATE</b>	<b>NEXT CAL. DATE</b>
FLOOR SCALES (VEHICLE & BALLAST)	INTERCOMP SW DELUXE SCALES	PART #100156 SERIAL #27032382	7/21/2010	7/21/2011
AIR PRESSURE GAUGE	ASHCROFT GENERAL PURPOSE DIGITAL GAUGE	MODEL #D1005PS 02L 100 PSI SERIAL #20017398- 01	12/17/2010	12/17/2011

SECTION 5  
PHOTOGRAPHS



2012 FIAT 500  
NHTSA NO. CC0500  
FMVSS NO. 110

FIGURE 5.1  
¾ FRONT VIEW FROM LEFT SIDE OF VEHICLE





2012 FIAT 500  
NHTSA NO. CC0500  
FMVSS NO. 110

FIGURE 5.2  
¾ REAR VIEW FROM RIGHT SIDE OF VEHICLE



2012 FIAT 500  
NHTSA NO. CC0500  
FMVSS NO. 110

FIGURE 5.3  
VEHICLE CERTIFICATION LABEL





2012 FIAT 500  
NHTSA NO. CC0500  
FMVSS NO. 110

FIGURE 5.4  
VEHICLE PLACARD



2012 FIAT 500  
NHTSA NO. CC0500  
FMVSS NO. 110

FIGURE 5.5  
TIRE SHOWING BRAND





2012 FIAT 500  
NHTSA NO. CC0500  
FMVSS NO. 110

FIGURE 5.6  
TIRE SHOWING MODEL





2012 FIAT 500  
NHTSA NO. CC0500  
FMVSS NO. 110

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





2012 FIAT 500  
NHTSA NO. CC0500  
FMVSS NO. 110

FIGURE 5.8  
TIRE SHOWING MAX LOAD RATING AND MAX INFLATION PRESSURE

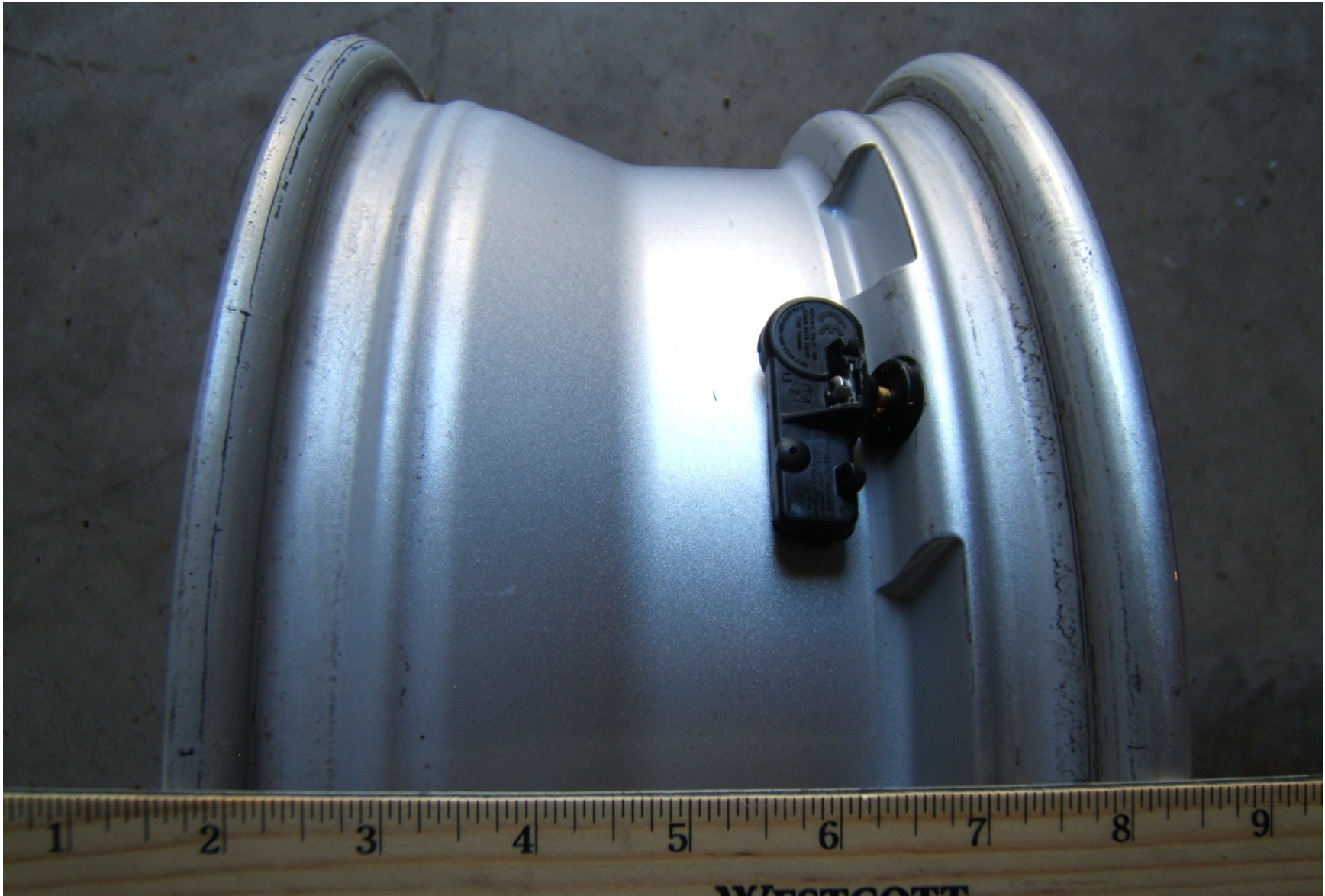




2012 FIAT 500  
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FMVSS NO. 110

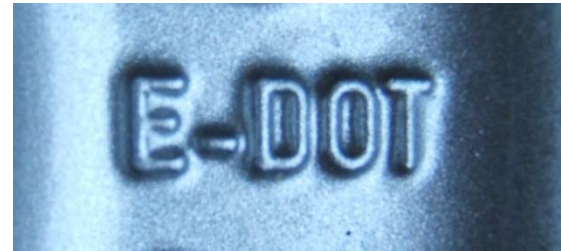
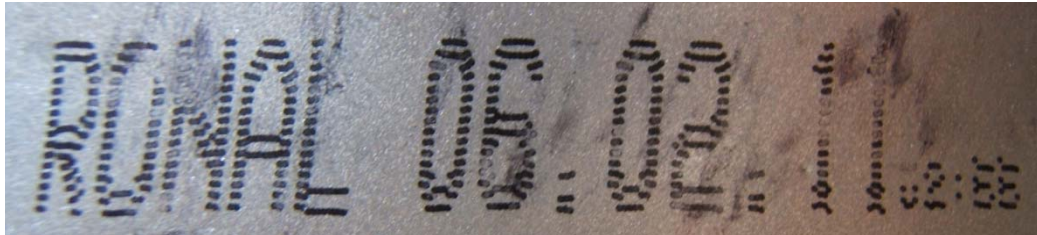
FIGURE 5.9  
TIRE SHOWING SERIAL NUMBER





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FIGURE 5.10  
RIM SHOWING RIM CONTOUR FOR  
FULL WIDTH OF CROSS SECTION



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FIGURE 5.11  
RIGHT FRONT RIM SHOWING MANUFACTURER, DATE OF MANUFACTURE, SIZE,  
DESIGNATION FOR SOURCE OF PUBLISHED DIMENSIONS, DOT SYMBOL, AND OTHER RIM MARKINGS





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FIGURE 5.12  
RIGHT FRONT RIM SHOWING OTHER RIM MARKINGS





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FIGURE 5.13  
VEHICLE FRONT SEATS BALLASTED FOR  
NORMAL, FULL, AND MAXIMUM LOADS





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FIGURE 5.14  
VEHICLE REAR SEAT BALLASTED  
FOR FULL AND MAXIMUM LOADS





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FIGURE 5.15  
VEHICLE TRUNK  
BALLASTED FOR MAXIMUM LOAD



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FIGURE 5.16  
VEHICLE ON WEIGHT SCALES