

REPORT NUMBER 110-STF-10-007

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

CHRYSLER GROUP LLC
2010 DODGE RAM 1500
FOUR-DOOR TRUCK
NHTSA NO. CA0303

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



May 11, 2010

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

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Prepared By: Doris Beebe

Approved By: James W. Tate

Accepted By: John Linnert

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7. Author(s) Jack R. Stewart, Junior Systems Analyst Todd P. Groghan, Safety Compliance Engineer Kenneth H. Yates, Safety Compliance Engineer	9. Performing Organization Name and Address U.S. DOT San Angelo Test Facility 131 Comanche Trail, Building 3527 Goodfellow AFB, Texas 76908	
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SECTION 1
INTRODUCTION

1.1 PURPOSE OF COMPLIANCE TEST

A 2010 Dodge Ram 1500 four-door truck 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-02, dated August 31, 2007.

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 2010 Dodge Ram 1500 four-door truck. Nomenclatures applicable to the test vehicle are:

- A. Vehicle Identification Number: 1D7RB1CP9AS157442
- B. NHTSA Number: CA0303
- C. Manufacturer: Chrysler Group LLC
- D. Manufacture Date: 11/2009

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

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. Vehicle labeling, tire, and rim information was recorded. The owner's manual was reviewed.

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. The vehicle was ballasted to its Normal Load, Full Occupant Load, and Maximum Vehicle Load weight. At each step of the ballasting procedure, data was recorded. Ballast was photographically documented for Normal, Full, and 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 certification label and 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 Ram 1500 test vehicle appears to be in compliance with all FMVSS 110 requirements tested.

SECTION 3

TEST DATA

DATA SUMMARY SHEET (1 of 2)

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Dodge Ram 1500 four-door truck

VEHICLE NHTSA NUMBER: CA0303 VIN: 1D7RB1CP9AS157442

VEHICLE TYPE: truck DATE OF MANUFACTURE: 11/2009

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 S139. (S110, S4.1)

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. When passenger car tires are installed, each tire's load rating is reduced by dividing it by 1.10 before determining the sum of the maximum load ratings of the tires fitted to an axle. (S110, S4.2.2.1, S4.2.2.2)

PASS

When passenger car tires are installed, the vehicle normal load on the tire is not greater than the value of 94 percent of the de-rated load rating at the vehicle manufacturer's recommended cold inflation pressure for that tire. When LT tires are installed, 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, S4.2.2.3(a), (b))

PASS

Rim (Data Sheet 3)

Each rim is constructed to the dimensions of a rim referred to in FMVSS 139 that is listed by the manufacturer of the tires as suitable for use with those tires. (S110, S4.4.1(a))

PASS

Each rim is properly marked. (S110, S4.4.2)

PASS

Vehicle rims retain deflated tires during a controlled braking application. (S110, S4.4.1(b))

**See
Remarks**

DATA SUMMARY SHEET (2 of 2)

Certification, Placard, and Tire Inflation Pressure Labels (Data Sheet 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)

PASS

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

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 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 Dodge Ram 1500.

RECORDED BY: Todd P. Groghan

DATE: March 5, 2010

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Dodge Ram 1500 four-door truck

VEHICLE NHTSA NUMBER: CA0303 TEST DATE: March 1, 2010

VIN: 1D7RB1CP9AS157442 MANUFACTURE DATE: 11/2009

GVWR: 3,085 kg (6,800 lbs) GAWR (front): 1,679 kg (3,700 lbs)

GAWR (rear): 1,770 kg (3,900 lbs)

SEATING POSITIONS: FRONT 2 REAR 3

ODOMETER READING AT START OF TEST: 37 km (23 mi)

ENGINE DATA: 8 Cylinders 4.7 Liters Cubic Inches

TRANSMISSION DATA: X Automatic Manual 5 No. of Speeds

FINAL DRIVE DATA: X Rear Drive Front Drive 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 type="checkbox"/>	Roof Rack
<input checked="" type="checkbox"/>	Power Steering	<input checked="" type="checkbox"/>	Cruise Control	<input checked="" type="checkbox"/>	Console
<input checked="" type="checkbox"/>	Power Windows	<input type="checkbox"/>	Rear Window Defroster	<input checked="" type="checkbox"/>	Driver Air Bag
<input checked="" type="checkbox"/>	Power Door Locks	<input type="checkbox"/>	Sun Roof or T-Top	<input checked="" type="checkbox"/>	Passenger Air Bag
<input checked="" type="checkbox"/>	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	<input type="checkbox"/>	Telephone	<input checked="" type="checkbox"/>	Rear Disc Brakes
<input type="checkbox"/>	Navigation System	<input type="checkbox"/>	Trailer Hitch	<input type="checkbox"/>	Other -

REMARKS: None

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

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	1,679 kg (3,700 lbs)	1,770 kg (3,900 lbs)
B. Tire Maximum Load Rating from above	1,150 kg (2,535 lbs)	1,150 kg (2,535 lbs)
C. Reduced tire load rating if applicable*	1,045.5 kg (2,304.5 lbs)	1,045.5 kg (2,304.5 lbs)
D. (No. of tires) x (Tire load rating, de-rated if appropriate)	2,091.0 kg (4,609.0 lbs)	2,091.0 kg (4,609.0 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: Todd P. Groghan

DATE: March 1, 2010



APPROVED BY: Kenneth H. Yates

**DATA SHEET 3
VEHICLE RIM IDENTIFICATION**

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Dodge Ram 1500 four-door truck

VEHICLE NHTSA NUMBER: CA0303 VIN: 1D7RB1CP9AS157442

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

Rim Markings	RIGHT FRONT	LEFT REAR (if different)
A. Source of published dimensions (letter designation)	T	
B. Rim Size Designation	17X7 J	
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)		
F. Letter height (not less than 3 mm)	6 mm	
G. Lettering (impressed or embossed)	Embossed	
H. Are all rim markings legible? (Yes/No)	Yes	
Do items A-C appear on weather side of rim (Yes/No)	Yes	
Do all markings comply with requirements (Yes/No)	Yes	

Rim Measurements	RIGHT FRONT	LEFT REAR (If different)
Rim width	17.8 cm (7 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:

2009 Tire and Rim Association Yearbook

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan

DATE: March 2, 2010

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Dodge Ram 1500 four-door truck

VEHICLE NHTSA NUMBER: CA0303 VIN: 1D7RB1CP9AS157442

LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 1, 2010

Identification of Vehicle Labeling

	(Yes/No)	Location	PASS/FAIL
1. Certification Label*	<u>Yes</u>	<u>Rear edge of 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>N/A</u>	<u></u>	<u></u>

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

Vehicle Placard

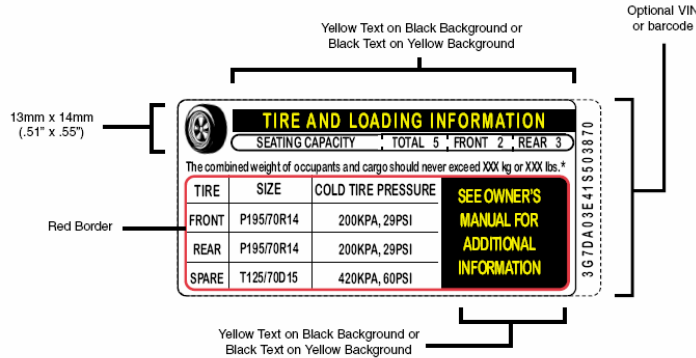


FIGURE 1
(70 FR 14425)

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

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

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

Vehicle Placard Information:

Combined weight of occupants and cargo 680 kg (1,501 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 P265/70R17; Rear P265/70R17

Tire Inflation Pressure: Front 276 kPa (40 psi); Rear 276 kPa (40 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 Designation	Rim Suitable for Tire?*
Front Axle	<u>P265/70R17</u>	<u>17x7 J</u>	<u>Yes</u>
Rear Axle	<u>P265/70R17</u>	<u>17x7 J</u>	<u>Yes</u>

*Reference source used for tire/rim match verification:

2009 Tire and Rim Association Yearbook

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

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? (X) YES () NO

LABELED TIRE CAPACITY AT SPECIFIED PRESSURE		
GVWR <u>3,085 kg (6,800 lbs)</u>	FRONT AXLE	REAR AXLE
A. GAWR from certification label	1,679 kg (3,700 lbs)	1,770 kg (3,900 lbs)
B. Tire load rating of labeled tire size at labeled inflation pressure*	1,150 kg (2,535 lbs)	1,150 kg (2,535 lbs)
C. Reduced tire load rating if applicable**	1,045.5 kg (2,304.5 lbs)	1,045.5 kg (2,304.5 lbs)
D. (No. of tires) x (Tire load rating de-rated if appropriate)	2,091.0 kg (4,609.0 lbs)	2,091.0 kg (4,609.0 lbs)
Is "D" equal to or greater than "A"?	Yes	Yes

*Reference source used for determining load rating:

2009 Tire and Rim Association 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: PASS

REMARKS: "See owner's manual for additional information" is located along bottom of placard rather than in lower right hand corner. The tire size/cold tire pressure information is listed across rather than down the placard.

RECORDED BY: Todd P. Groghan

DATE: March 1, 2010

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Dodge Ram 1500 four-door truck

VEHICLE NHTSA NUMBER: CA0303 VIN: 1D7RB1CP9AS157442

LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 3, 2010

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

*Windshield washer fluid, brake fluid, power steering fluid, transmission fluid, rear differential oil, and engine oil

Tire Pressures: LF 276 kPa (40 psi) LR 276 kPa (40 psi)
(cold, prior to loading vehicle) RF 276 kPa (40 psi) RR 276 kPa (40 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

Measured Unloaded Vehicle Weight

LF 663 kg (1,461 lb) LR 548 kg (1,208 lb)
RF 649 kg (1,430 lb) RR 522 kg (1,151 lb)
Front Axle 1,312 kg (2,891 lb) Rear Axle 1,070 kg (2,359 lb)
Total Vehicle Weight 2,382 kg (5,250 lb)

B. MEASURED VEHICLE NORMAL LOAD WEIGHT

(1) Seating Capacity from Vehicle Placard 5

(2) Normal Load Number of Occupants 3

Occupant Distribution: Front Seat 2 Rear 1

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

(4) Measured Normal Load on Axles

LF 717 kg (1,581 lb) LR 596 kg (1,313 lb)
RF 702 kg (1,548 lb) RR 571 kg (1,258 lb)
Front Axle 1,419 kg (3,129 lb) Rear Axle 1,167 kg (2,571 lb)
Total Vehicle Weight 2,586 kg (5,700 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] = 709.5 kg (1,564.5 lbs)

Rear Tires [measured rear axle normal load/2] = 583.5 kg (1,285.5 lbs)

(6) Measured Normal Load on Tire vs. Value of 94% of Load Rating for that Tire at Specified Pressure

MEASURED NORMAL LOAD ON TIRE VS. VALUE OF 94% OF LOAD RATING FOR THAT TIRE AT SPECIFIED PRESSURE		
	FRONT AXLE	REAR AXLE
A. Calculated Vehicle Normal Load on the Tire from (5)	709.5 kg (1,564.5 lbs)	583.5 kg (1,285.5 lbs)
B. Tire load rating of installed tire size at recommended inflation pressure*	1,150 kg (2,535 lbs)	1,150 kg (2,535 lbs)
C. Reduced tire load rating if applicable**	1,045.5 kg (2,304.5 lbs)	1,045.5 kg (2,304.5 lbs)
D. 94% of tire load rating, (de-rated if appropriate)	982.8 kg (2,166.2 lbs)	982.8 kg (2,166.2 lbs)
Is "D" equal to or greater than "A"?	Yes	Yes

*Reference source used for tire/rim match verification:
2009 Tire and Rim Association 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.

Vehicle Normal Load on the tire is not greater than 94% of the Recommended Cold Inflation Load Rating.

PASS/FAIL

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

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

C. MEASURED VEHICLE WEIGHT WITH FULL OCCUPANT LOAD

Seating Capacity: 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]

LF	<u>740 kg (1,632 lb)</u>	LR	<u>642 kg (1,416 lb)</u>
RF	<u>723 kg (1,594 lb)</u>	RR	<u>616 kg (1,358 lb)</u>
Front Axle	<u>1,463 kg (3,226 lb)</u>	Rear Axle	<u>1,258 kg (2,774 lb)</u>
Total Vehicle Weight		<u>2,721 kg (6,000 lb)</u>	

D. MEASURED MAXIMUM VEHICLE LOAD WEIGHT

(1) Vehicle Capacity Weight (from placard) 680 kg (1,501 lbs)

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

(3) Luggage/Cargo Load (subtract (2) from (1)) 340 kg (751 lbs)

(4) Measured Vehicle Maximum Load on Axles

LF	<u>729 kg (1,608 lb)</u>	LR	<u>827 kg (1,824 lb)</u>
RF	<u>712 kg (1,569 lb)</u>	RR	<u>794 kg (1,750 lb)</u>
Front Axle	<u>1,441 kg (3,177 lb)</u>	Rear Axle	<u>1,621 kg (3,574 lb)</u>
Total Vehicle Weight		<u>3,062 kg (6,751 lb)</u>	

DATA SHEET 5 (4 of 4)
VEHICLE WEIGHT DISTRIBUTION

ITEM	Tire or Vehicle Rating*	Unloaded Vehicle Weight		Vehicle Weight with Normal Occupant Load		Vehicle Weight with Full Occupant Load		Vehicle Maximum Weight with Occupants and Cargo	
		Measured	Over-load	Measured	Over-load	Measured	Over-load	Measured	Over-load
Left Front Tire	1,045.5 kg (2,304.5 lbs)	663 kg (1,461 lbs)	no	717 kg (1,581 lbs)	no	740 kg (1,632 lbs)	no	729 kg (1,608 lbs)	no
Right Front Tire	1,045.5 kg (2,304.5 lbs)	649 kg (1,430 lbs)	no	702 kg (1,548 lbs)	no	723 kg (1,594 lbs)	no	712 kg (1,569 lbs)	no
Front Axle (GAWR)	1,679 kg (3,700 lbs)	1,312 kg (2,891 lbs)	no	1,419 kg (3,129 lbs)	no	1,463 kg (3,226 lbs)	no	1,441 kg (3,177 lbs)	no
Left Rear Tire	1,045.5 kg (2,304.5 lbs)	548 kg (1,208 lbs)	no	596 kg (1,313 lbs)	no	642 kg (1,416 lbs)	no	827 kg (1,824 lbs)	no
Right Rear Tire	1,045.5 kg (2,304.5 lbs)	522 kg (1,151 lbs)	no	571 kg (1,258 lbs)	no	616 kg (1,358 lbs)	no	794 kg (1,750 lbs)	no
Rear Axle (GAWR)	1,770 kg (3,900 lbs)	1,070 kg (2,359 lbs)	no	1,167 kg (2,571 lbs)	no	1,258 kg (2,774 lbs)	no	1,621 kg (3,574 lbs)	no
Total Vehicle (GVWR)	3,085 kg (6,800 lbs)	2,382 kg (5,250 lbs)	no	2,586 kg (5,700 lbs)	no	2,721 kg (6,000 lbs)	no	3,062 kg (6,751 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: Todd P. Groghan

DATE: March 3, 2010

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Dodge Ram 1500 four-door truck

VEHICLE NHTSA NO. CA0303 VIN: 1D7RB1CP9AS157442

LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 5, 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	389 - 393
(4)(ii)	(A) Description and explanation of recommended cold tire inflation pressure.	YES	400
	(B) Description and explanation of FMVSS 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s).	YES	394
	(C) Description and explanation of adverse safety consequences of under-inflation including tire failure.	YES	398, 399
	(D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation.	YES	399, 400
(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	398 - 400
(4)(iv)	Tire care, including maintenance and safety practices.	YES	403, 404, 408, 409
(4)(v)	(A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity.	YES	394
	(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	395 - 397
	(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.	YES	404, 405
	(D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires.	YES	398

*Page numbers are from printed owner's manual. DVD version does not have page numbers.

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: Standard distribution of the owner's manual is on DVD. A paper copy may be requested from the manufacturer.

RECORDED BY: Todd P. Groghan

DATE: March 5, 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



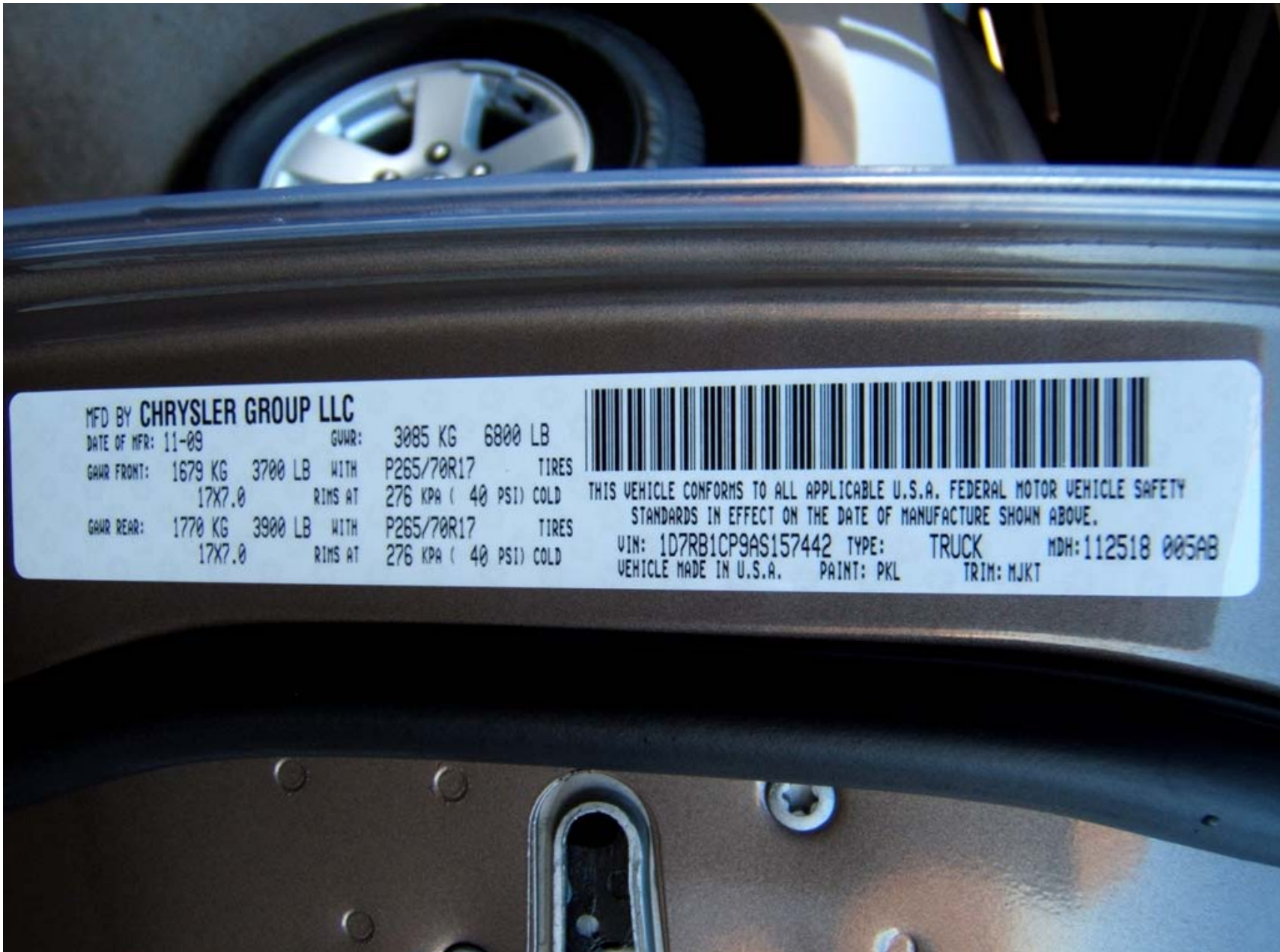
2010 DODGE RAM 1500
NHTSA NO. CA0303
FMVSS NO. 110

FIGURE 5.1
¾ FRONT VIEW FROM LEFT SIDE OF VEHICLE



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FIGURE 5.2
¾ REAR VIEW FROM RIGHT SIDE OF VEHICLE



MFD BY **CHRYSLER GROUP LLC**

DATE OF MFR: 11-09

GVMR: 3085 KG 6800 LB

GAWR FRONT: 1679 KG 3700 LB WITH P265/70R17 TIRES
17X7.0 RIMS AT 276 KPA (40 PSI) COLD

GAWR REAR: 1770 KG 3900 LB WITH P265/70R17 TIRES
17X7.0 RIMS AT 276 KPA (40 PSI) COLD



THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S.A. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

VIN: 1D7RB1CP9AS157442 TYPE: TRUCK MDH: 112518 005AB
VEHICLE MADE IN U.S.A. PAINT: PKL TRIM: MJKT

2010 DODGE RAM 1500
NHTSA NO. CA0303
FMVSS NO.110

FIGURE 5.3
VEHICLE CERTIFICATION LABEL

TIRE AND LOADING INFORMATION

SEATING CAPACITY – TOTAL 5 FRONT 2 REAR 3

THE COMBINED WEIGHT OF OCCUPANTS AND CARGO SHOULD NEVER EXCEED
680 KG OR 1501 LB

TIRE	FRONT	REAR	SPARE
ORIGINAL TIRE SIZE	P265/70R17	P265/70R17	P265/70R17
COLD TIRE INFLATION PRESSURE	276 kPa / 40 PSI	276 kPa / 40 PSI	276 kPa / 40 PSI

SEE OWNERS MANUAL FOR ADDITIONAL INFORMATION

AS157442

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FIGURE 5.4
 VEHICLE PLACARD



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FIGURE 5.5
TIRE SHOWING BRAND



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FIGURE 5.6
TIRE SHOWING MODEL



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



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FIGURE 5.8
TIRE SHOWING MAX LOAD RATING



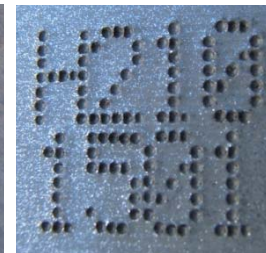
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FIGURE 5.9
TIRE SHOWING MAX INFLATION PRESSURE



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FIGURE 5.10
TIRE SHOWING SERIAL NUMBER



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FIGURE 5.11
RIM MARKINGS INCLUDING DOT SYMBOL, LETTER DESIGNATION FOR SOURCE OF
PUBLISHED DIMENSIONS, MANUFACTURER, RIM SIZE, AND MANUFACTURE DATE



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FIGURE 5.12
RIM CONTOUR FOR FULL WIDTH OF CROSS SECTION



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



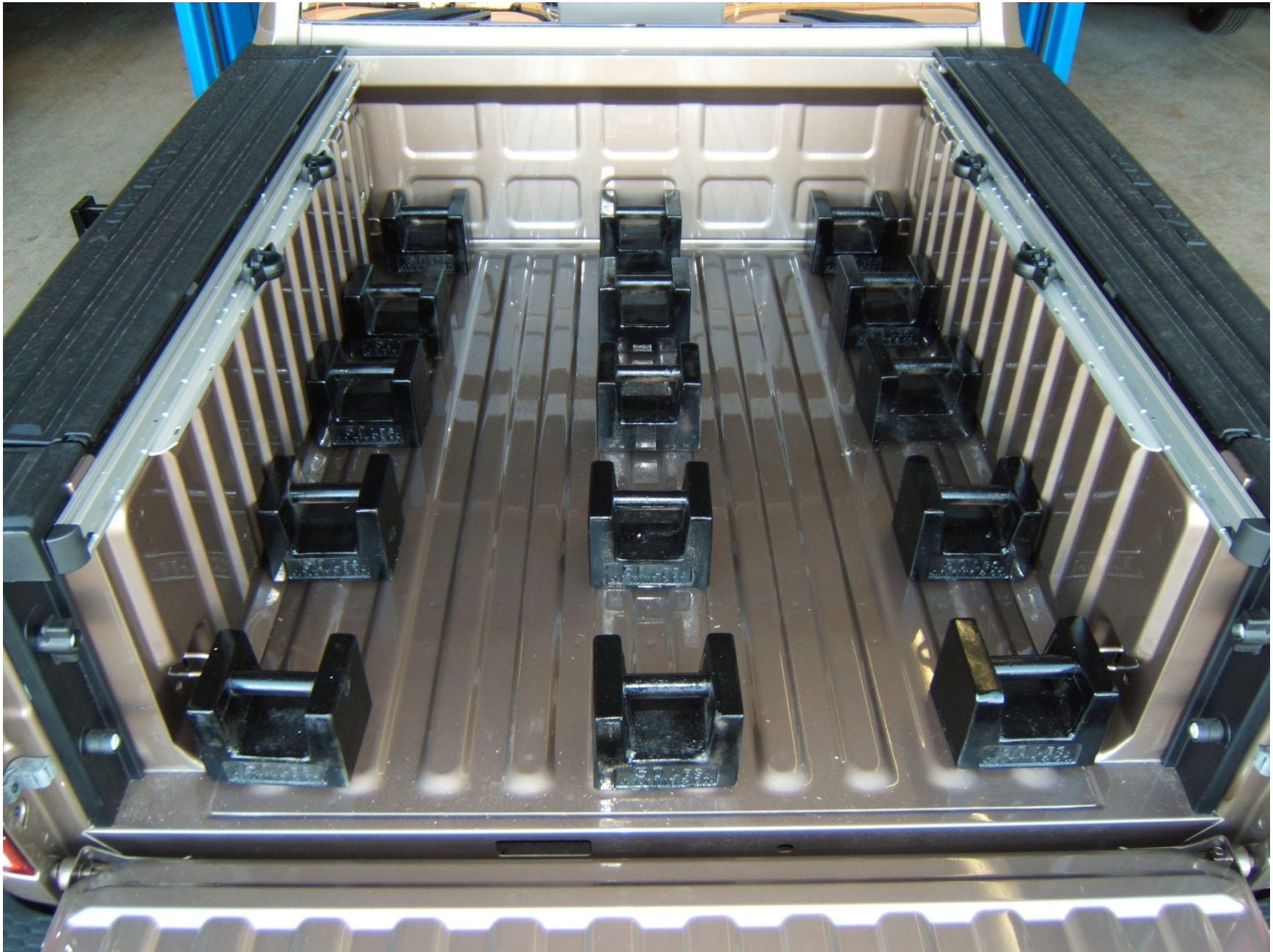
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FIGURE 5.14
VEHICLE REAR SEAT BALLASTED
FOR NORMAL LOAD



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FIGURE 5.15
VEHICLE REAR SEAT BALLASTED
FOR FULL AND MAXIMUM LOADS



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FIGURE 5.16
VEHICLE CARGO AREA BALLASTED FOR MAXIMUM LOAD



2010 DODGE RAM 1500
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FIGURE 5.17
VEHICLE ON WEIGHT SCALES