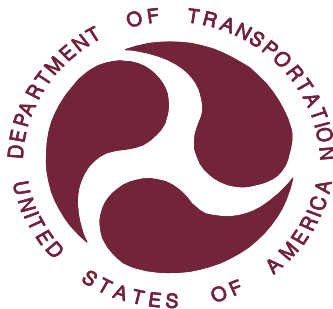


REPORT NUMBER 110-STF-06-002

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

NISSAN MOTOR COMPANY
2006 PATHFINDER LE
FOUR-DOOR 4X2 MPV
NHTSA NO. C65200

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



October 10, 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)
WASHINGTON, D.C. 20590

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Prepared By: Doris Becke

Approved By: [Signature]

Approval Date: October 10, 2006

FINAL REPORT ACCEPTANCE BY OVSC COTR:

Accepted By: [Signature]

Acceptance Date: 10/26/06

| | | | |
|--|-----------------------------|--|--|
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| 7. Author(s) Bob Gregg, Safety Compliance Specialist David Banks, Junior Systems Analyst | | 8. Performing Organization Rep# STF-DOT-06-110-002 | |
| 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. (TRAVIS) | |
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| 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 7 - 8, 2006 | |
| | | 14. Sponsoring Agency Code NVS-220 | |
| 15. Supplementary Notes | | | |
| 16. Abstract Compliance tests were conducted on the subject 2006 Nissan Pathfinder LE four-door 4x2 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: 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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SECTION 1

INTRODUCTION

1.1 PURPOSE OF COMPLIANCE TEST

A 2006 Nissan Pathfinder LE four-door 4x2 MPV 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-110T-01, dated December 15, 2005.

1.2 TEST VEHICLE

The test vehicle was a 2006 Nissan Pathfinder LE four-door 4x2 MPV. Nomenclatures applicable to the test vehicle are:

A. Vehicle Identification Number: 5N1AR18U06C655172

B. NHTSA No.: C65200

C. Manufacturer: Nissan Motor Corporation

D. Manufacture Date: 04/2006

1.3 TEST DATE

The test vehicle was tested on September 7th and 8th, 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 Occupants and Cargo 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 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 (1 of 2)

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Nissan Pathfinder LE four-door 4x2 MPV

VEHICLE NHTSA NO.: C65200 VIN: 5N1AR18U06C655172

VEHICLE TYPE: MPV DATE OF MANUFACTURE: 04/2006

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

Rims (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 rims appropriate for the vehicle including the tire size(s) listed on the vehicle placard and, if provided, tire inflation pressure label (S110, 4.3.3)

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

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 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 Nissan Pathfinder LE four-door 4x2 MPV

VEHICLE NHTSA NUMBER: C65200 TEST DATE: September 8, 2006

VIN:: 5N1AR18U06C655172 MANUFACTURE DATE: 04/2006

GVWR: 2,631 kg (5,800 lbs) GAWR(front): 1,259 kg (2,775 lbs)

GAWR(rear): 1,588 kg (3,500 lbs)

SEATING POSITIONS: FRONT 2 MID REAR 5

ODOMETER READING AT START OF TEST: 547 km (340 mi)

ENGINE DATA: 6 Cylinders 4.0 Liters 241 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 checked="" 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 checked="" type="checkbox"/> | Rear Window Defroster | <input checked="" type="checkbox"/> | Driver Air Bag |
| <input checked="" type="checkbox"/> | Power Door Locks | <input checked="" 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 checked="" type="checkbox"/> | Navigation System | <input checked="" type="checkbox"/> | Trailer Hitch | <input type="checkbox"/> | Other - |

REMARKS: _____

RECORDED BY: David K. Banks

DATE: September 8, 2006

APPROVED BY: Kenneth H. Yates

DATA SHEET 2 (1 of 2)
VEHICLE RIM IDENTIFICATION AND LOAD LIMITS

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Nissan Pathfinder LE four-door 4x2 MPV

VEHICLE NHTSA NO. C65200 VIN: 5N1AR18U06C655172

LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 7, 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: (X) YES () NO

| Tire Sidewall | Right Front | Left Rear (If different) | Spare Tire (If different) |
|----------------------------|-----------------------------|------------------------------------|-------------------------------------|
| Manufacturer and Model | <u>General Grabber AW</u> | _____ | _____ |
| Tire Size Designation | <u>P265/65R17</u> | _____ | _____ |
| Load Index/Speed Symbol | <u>110S</u> | _____ | _____ |
| Maximum Inflation Pressure | <u>300 kPa (44 psi)</u> | _____ | _____ |
| Maximum Load Rating | <u>1,060 kg (2,337 lbs)</u> | _____ | _____ |
| Tread/Traction/Temperature | <u>420/B/B</u> | _____ | _____ |
| Tires Have "DOT" Markings | <u>Yes</u> | _____ | _____ |

Serial Number: Right Front A3AH3PR1106 Left Front A3AH3PR1106

Right Rear A3AH3PR1106 Left Rear A3AH3PR1106

Spare A3AH3PR1206

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 | 1,259 kg | (2,775 lbs) | 1,588 kg | (3,500 lbs) |
| B. Tire Maximum Load Rating from above | 1,060 kg | (2,337 lbs) | 1,060 kg | (2,337 lbs) |
| C. Reduced tire load rating if applicable* | 964 kg | (2,125 lbs) | 964 kg | (2,125 lbs) |
| D. (No. of tires) x (Tire load rating de-rated if appropriate) | 1,928 kg | (4,250 lbs) | 1,928 kg | (4,250 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: _____

RECORDED BY: R. N. Gregg

DATE: September 7, 2006

APPROVED BY: Kenneth H. Yates

**DATA SHEET 3
VEHICLE RIM IDENTIFICATION**

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Nissan Pathfinder LE four-door 4x2 MPV

VEHICLE NHTSA NO. C65200

VIN: 5N1AR18U06C655172

LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 7, 2006

| Rim Markings | RIGHT FRONT | LEFT REAR |
|---|--------------------|------------------|
| A. Source of published dimensions (letter designation) | J | J |
| B. Rim Size | 17x7½ JJ | 17x7½ JJ |
| C. Does rim contain DOT symbol? (Yes/No) | Yes | Yes |
| D. Manufacturer's name, symbol or trademark (copy format) | Nissan NTR2S | Nissan NTR2S |
| E. Date of manufacture or symbol (copy format) | 03/06 | 03/06 |
| Do items A-C appear on weather side of rim (Yes/No) | Yes | Yes |
| Letter height (not less than 3 mm) | 7 mm (0.3 in) | 7 mm (0.3 in) |
| Lettering (impressed or embossed) | Embossed | Embossed |
| Are all rim markings legible? (Yes/No) | Yes | Yes |
| Do all markings comply with requirements (Yes/No) | Yes | Yes |

| Rim Measurements | RIGHT FRONT | LEFT REAR |
|--|--------------------|------------------|
| Rim width | 19.1 cm (7.5 in) | 19.1 cm (7.5 in) |
| Rim diameter | 43.2 cm (17 in) | 43.2 cm (17 in) |
| Rim measurements same as rim markings? | Yes | Yes |

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

Reference source used for tire/rim match verification: 2006 Tire & Rim Association Yearbook

DATA INDICATES COMPLIANCE:

PASS/FAIL: PASS

REMARKS: _____

RECORDED BY: R.N. Gregg

DATE: September 7, 2006

APPROVED BY: Kenneth H. Yates

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

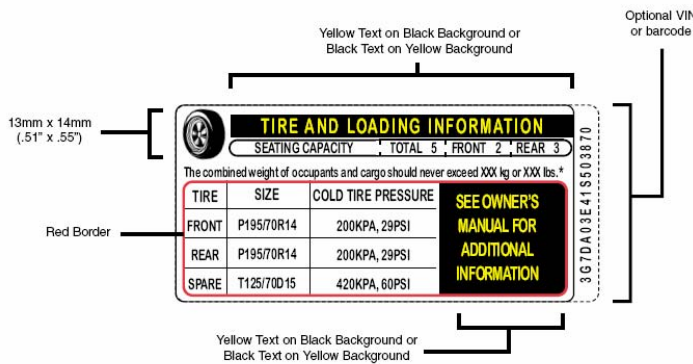
VEHICLE MAKE/MODEL/BODY STYLE: 2006 Nissan Pathfinder LE four-door 4x2 MPV
 VEHICLE NHTSA NO. C65200 VIN: 5N1AR18U06C655172
 LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 7, 2006

Identification of Vehicle Labeling

| | (Yes/No) | Location | PASS/FAIL |
|-----------------------------------|------------|-------------------------------|-------------|
| 1. Certification Label | <u>Yes</u> | <u>Driver's side B pillar</u> | <u>N/A</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> |

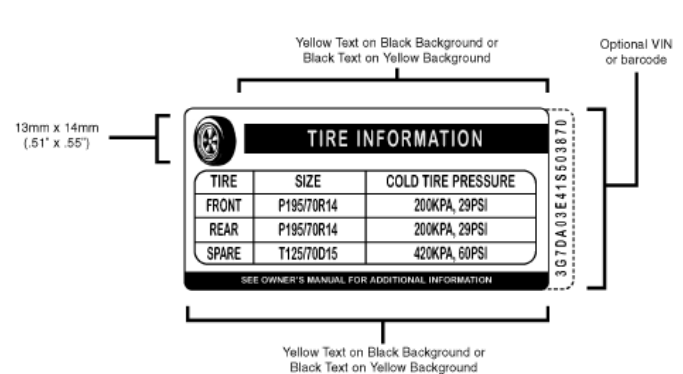
* Labels must be located as specified in section 12.4 of this test procedure.

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 1B and text is in English language. (X) YES () NO

Tire Inflation Pressure Label, if provided, has the exact color and format as specified in the above Figure 2B and text is in English language. () YES () NO

If no, explain N/A

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

Vehicle Placard information:

Combined weight of occupants and cargo 507 kg (1,118 lbs)

Seating Capacity: Total 7 ; Front 2 ; Rear 5
 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

Vehicle Placard or Tire Inflation Pressure Label tire information:

Tire Size: Front P265/65R17 ; Rear P265/65R17

Tire Inflation Pressure: Front 240 kPa (35 psi) ; Rear 240 kPa (35 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>P265/65R17</u> | <u>17x7.5</u> | <u>Yes</u> |
| | <u>P265/65R17</u> | <u>17x7.5</u> | <u>Yes</u> |
| Rear Axle | <u>P265/65R17</u> | <u>17x7.5</u> | <u>Yes</u> |
| | <u>P265/65R17</u> | <u>17x7.5</u> | <u>Yes</u> |

*Referenced source used for tire/rim match verification: 2006 TRA 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>2,631 kg (5,800 lbs)</u> | FRONT AXLE | | REAR AXLE |
| A. GAWR from certification label | 1,259 kg | (2,775 lbs) | 1,588 kg (3,500 lbs) |
| B. Tire load rating of labeled tire size at labeled inflation pressure* | 1,060 kg | (2,337 lbs) | 1,060 kg (2,337 lbs) |
| C. Reduced tire load rating if applicable** | 964 kg | (2,125 lbs) | 964 kg (2,125 lbs) |
| D. (No. of tires) x (Tire load rating de-rated if appropriate) | 1,928 kg | (4,250 lbs) | 1,928 kg (4,250 lbs) |
| Is "D" equal to or greater than "A"? | Yes | | Yes |

* Reference source used for determining load rating: 2006 TRA 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: Vehicle Placard is in English and French languages, with text in French
underneath text in English.

RECORDED BY: David K. Banks

DATE: September 7, 2006

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Nissan Pathfinder LE four-door 4x2 MPV

VEHICLE NHTSA NO. C65200 VIN: 5N1AR18U06C655172

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

Full Fluid Levels: Fuel Full Coolant Full Other Fluids Full

Tire Pressures: LF 240.1 kPa (34.8 psi) LR 240.1 kPa (34.8 psi)

RF 240.0 kPa (34.8 psi) RR 240.0 kPa (34.8 psi)

Vehicle Occupant Load

Seating Capacity from Placard:

Total 7 ; Front 2 ; Rear 5

Full Occupant Load 476 kg (1,050 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) 507 kg (1,118 lbs)

(2) Full Occupant Load (from above) 476 kg (1,050 lbs)

(3) Luggage/Cargo Load (subtract (2) from (1)) 31 kg (68 lbs)

Describe placement of cargo: In far rear of vehicle

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 | Overload | Measured | Overload | Measured | Overload |
| Left Front Tire | 964 kg (2,125 lbs) | 507 kg (1,118 lbs) | no | 562 kg (1,240 lbs) | no | 559 kg (1,233 lbs) | no |
| Right Front Tire | 964 kg (2,125 lbs) | 523 kg (1,152 lbs) | no | 580 kg (1,278 lbs) | no | 576 kg (1,269 lbs) | no |
| Front Axle (GAWR) | 1,259 kg (2,775 lbs) | 1,030 kg (2,270 lbs) | no | 1,142 kg (2,518 lbs) | no | 1,135 kg (2,502 lbs) | no |
| Left Rear Tire | 964 kg (2,125 lbs) | 540 kg (1,191 lbs) | no | 722 kg (1,591 lbs) | no | 741 kg (1,634 lbs) | no |
| Right Rear Tire | 964 kg (2,125 lbs) | 523 kg (1,154 lbs) | no | 704 kg (1,551 lbs) | no | 723 kg (1,593 lbs) | no |
| Rear Axle (GAWR) | 1,588 kg (3,500 lbs) | 1,063 kg (2,345 lbs) | no | 1,426 kg (3,142 lbs) | no | 1,464 kg (3,227 lbs) | no |
| Total Vehicle (GVWR) | 2,631 kg (5,800 lbs) | 2,093 kg (4,615 lbs) | no | 2,568 kg (5,660 lbs) | no | 2,599 kg (5,729 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.

**Measured vehicle weights were recorded in pounds. Metric weights shown are mathematical conversions.

DATA INDICATES COMPLIANCE:

PASS/FAIL: PASS

REMARKS: _____

RECORDED BY: David K. Banks

DATE: September 8, 2006

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Nissan Pathfinder LE four-door 4x2 MPV

VEHICLE NHTSA NO. C65200 VIN: 5N1AR18U06C655172

LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 8, 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 | 8: 34-36, 9: 26 |
| (4)(ii) | (A) Description and explanation of recommended cold tire inflation pressure. | Yes | 8:30 -33 |
| | (B) Description and explanation of FMVSS 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s). | Yes | 8: 32, 9: 11 |
| | (C) Description and explanation of adverse safety consequences of under-inflation including tire failure. | Yes | 6: 4, 8: 30 |
| | (D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation. | Yes | 8: 33 |
| (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 | 8: 31, 34-36, 9: 12, 13 |
| (4)(vi) | Tire care, including maintenance and safety practices. | Yes | 8: 33, 34, 36-40 |
| (4)(v) | (A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity. | Yes | 9:12-25 |
| | (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: 14 |
| | (C) Description and explanation for determining compatibility of tire and vehicle load capabilities. | Yes | 9:15 |
| | (D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires. | Yes | 8: 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 8, 2006

APPROVED BY: Kenneth H. Yates

SECTION 4

INSTRUMENTATION AND EQUIPMENT LIST

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



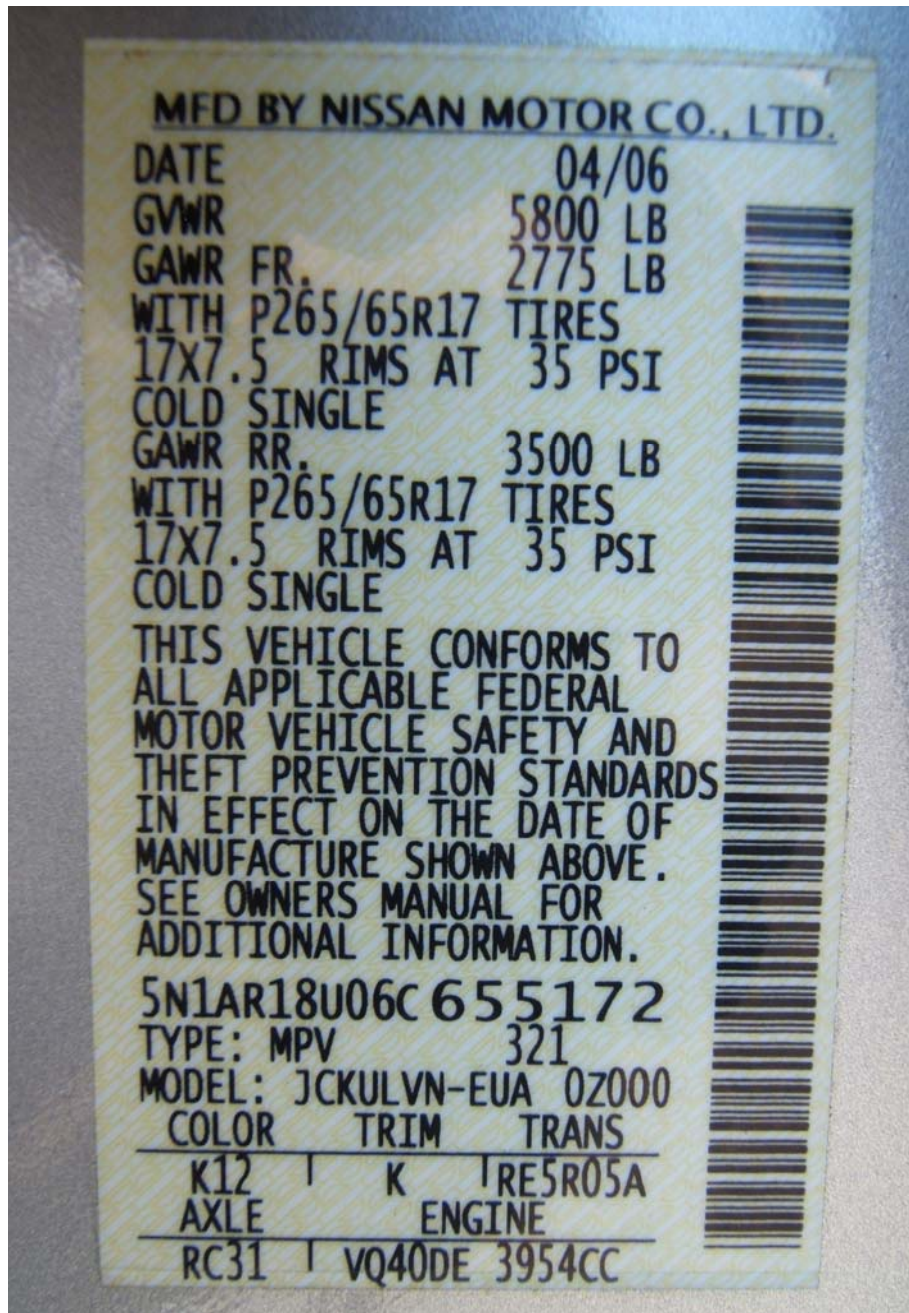
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FIGURE 5.1
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE




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FIGURE 5.2
¾ REAR FROM RIGHT SIDE OF VEHICLE



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FIGURE 5.3
VEHICLE CERTIFICATION LABEL



TIRE AND LOADING INFORMATION PNEU ET INFORMATION DE CHARGEMENT

| | | | | | | |
|--------------------------------------|----------------|----------|----------------|----------|-----------------|----------|
| SEATING CAPACITY NOMBRE DE PLACES | TOTAL TOTAL | 7 | FRONT AVANT | 2 | REAR ARRIÈRE | 5 |
|--------------------------------------|----------------|----------|----------------|----------|-----------------|----------|

THE COMBINED WEIGHT OF OCCUPANTS AND CARGO SHOULD NEVER EXCEED **1118 lbs** OR **507 kg**
 LE POIDS COMBINÉ D'OCCUPANTS ET DE CARGAISON NE DEVRAIT JAMAIS EXCÉDER **1118 lbs** OU **507 kg**

| TIRE PNEU | ORIGINAL TIRE SIZE TAILLE DU PNEU D'ORIGINE | COLD TIRE PRESSURE PRESSION DE GONFLAGE À FROIDS |
|-------------------------------|--|---|
| FRONT AVANT | P265/65R17 | 240 kPa (35 psi) |
| REAR ARRIÈRE | P265/65R17 | 240 kPa (35 psi) |
| SPARE TIRE ROUE DE SECOURS | P265/65R17 | 240 kPa (35 psi) |

SEE OWNER'S MANUAL
FOR ADDITIONAL
INFORMATION.

 POUR D'AUTRES
DÉTAILS, SE REPORTER
AU MANUEL DU
CONDUCTEUR.

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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



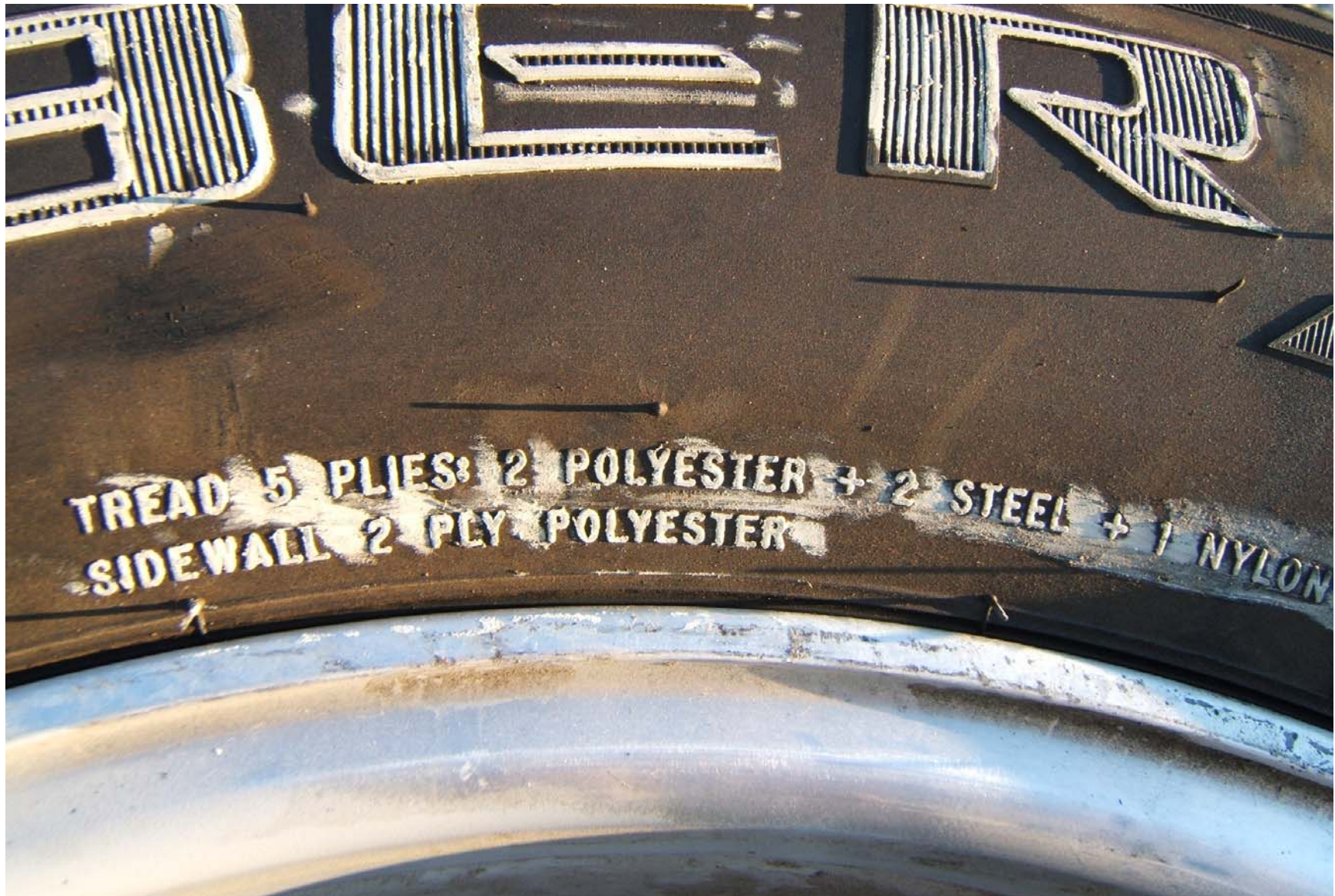
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FIGURE 5.7
TIRE SHOWING SIZE, LOAD INDEX, AND SPEED SYMBOL



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FIGURE 5.8
TIRE SHOWING MAX LOAD RATING AND MAX INFLATION PRESSURE



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FIGURE 5.9
TIRE SHOWING CONSTRUCTION



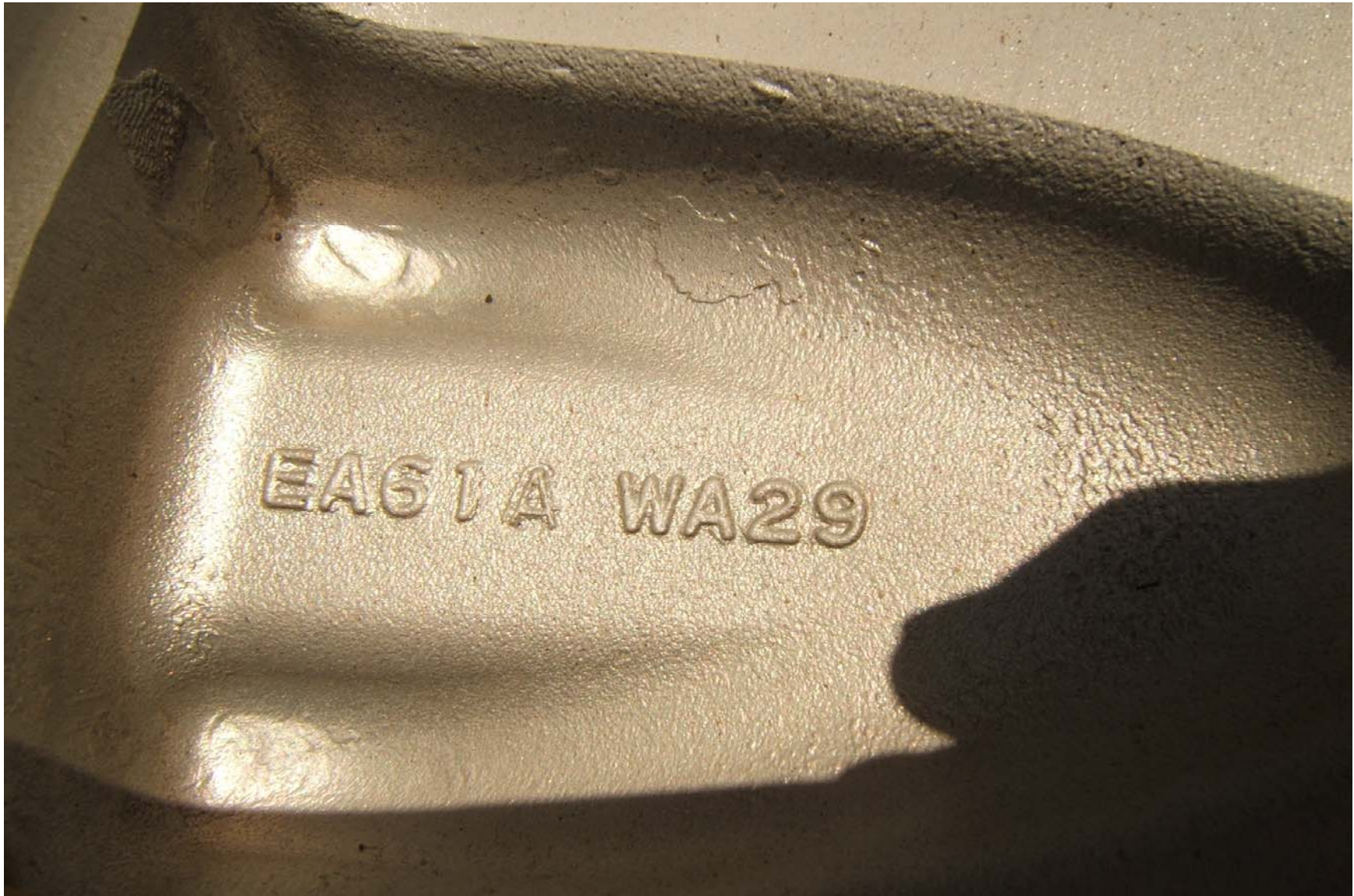
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FIGURE 5.10
TIRE SHOWING SERIAL NUMBER



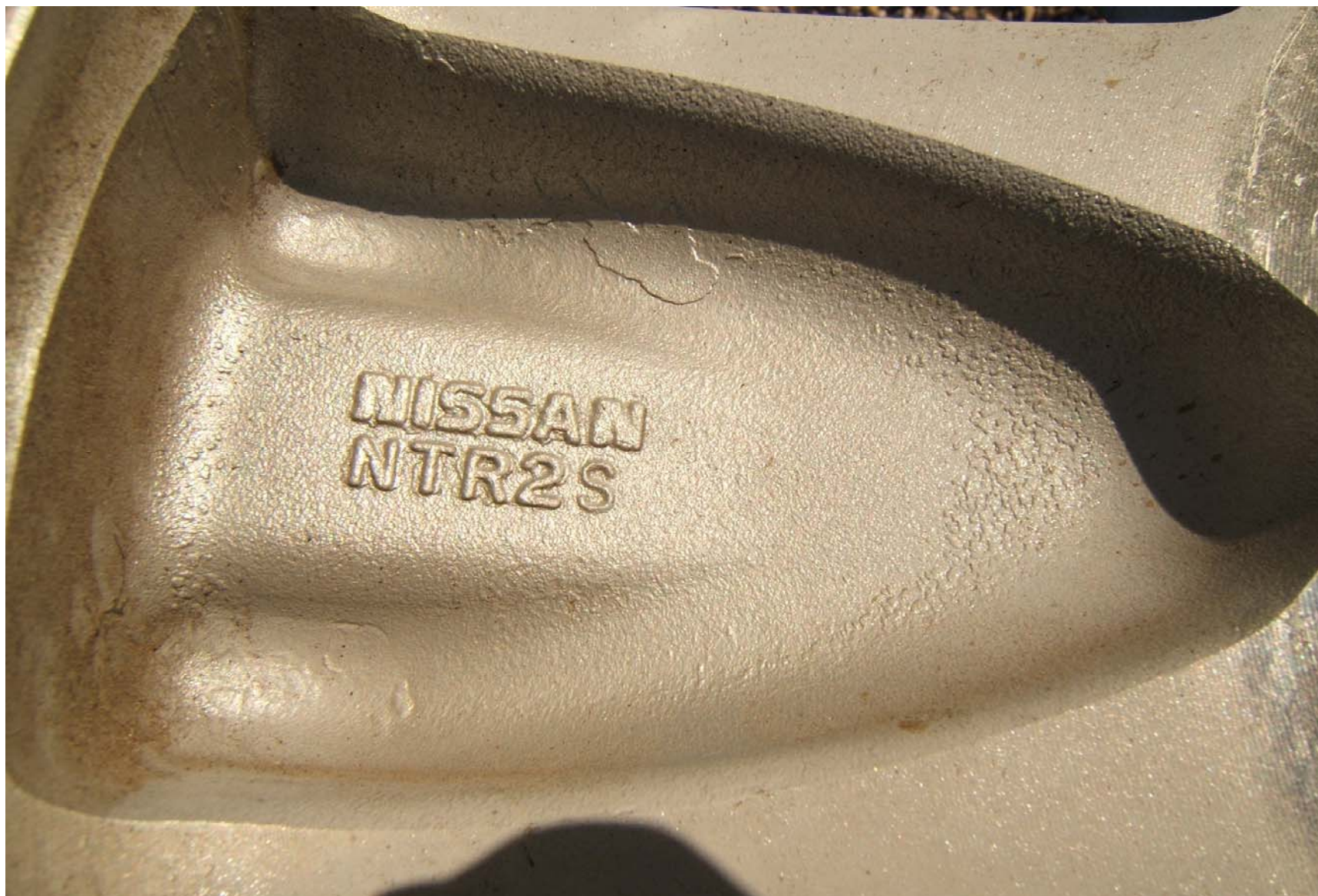
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FIGURE 5.11a
RIM SHOWING SIZE



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FIGURE 5.11b
RIM MARKINGS



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FIGURE 5.11c
RIM SHOWING MANUFACTURER



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FIGURE 5.11d
RIM MARKINGS



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FIGURE 5.11e
RIM DATE CODE



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FIGURE 5.11f
RIM MARKINGS



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FIGURE 5.11g
RIM MARKINGS



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FIGURE 5.11h
RIM MARKINGS



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FIGURE 5.12
VEHICLE FRONT SEAT BALLASTED FOR MAXIMUM LOAD



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FIGURE 5.13
VEHICLE REAR SEAT BALLASTED FOR MAXIMUM LOAD



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FIGURE 5.14
REAR OF VEHICLE SHOWN BALLASTED FOR CARGO



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FIGURE 5.15
VEHICLE ON WEIGHT SCALES