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

FORD MOTOR COMPANY
FORD EXPEDITION XLT
FOUR-DOOR 4X2 MPV
NHTSA NO. C60206

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

NOVEMBER 29, 2006
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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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: [Signature]

Acceptance Date: December 8, 2006
Compliance tests were conducted on the subject 2006 Ford Expedition XLT 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.
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1.1 PURPOSE OF COMPLIANCE TEST

A 2006 Ford Expedition XLT 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 Ford Expedition XLT four-door 4x2 MPV. Nomenclatures applicable to the test vehicle are:

A. Vehicle Identification Number: 1FMFU15576LA76097

B. NHTSA No.: C60206

C. Manufacturer: Ford Motor Company

D. Manufacture Date: 03/2006

1.3 TEST DATE

The test vehicle was tested on September 15, 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 right front tire was inspected and identifying data was obtained. Pertinent information from the tire and rim was photographed.

Subsequent events included weighing the vehicle to establish delivered curb weight and the distribution of weight on the front and rear axles and each wheel position. At each step of the ballasting procedure, data was recorded. Vehicle was ballasted to Normal Load weight, Full Occupant Load, and Maximum Vehicle Load weight. Ballast was photographically documented for Maximum Vehicle Load weight. The vehicle maximum load on each wheel was measured. Data from each tire furnished with the vehicle were recorded. The vehicle tire placard was photographed and checked for compliance to location, format, and information requirements. The right front wheel was removed from the vehicle and the tire was dismounted from the rim. The rim was measured from flange to flange, and rim markings were photographically documented. The owner’s manual was checked for all required information on placard, tire loading, and on general tire and loading parameters.

2.2 SUMMARY OF RESULTS

The data indicate compliance of the multipurpose passenger vehicle with all requirements tested.
SECTION 3

TEST DATA
DATA SUMMARY SHEET (1 of 2)

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Ford Expedition XLT four-door 4x2 MPV

VEHICLE NHTSA NO.: C60206  VIN: 1FMFU15576LA76097

VEHICLE TYPE: MPV  DATE OF MANUFACTURE: 03/2006

LABORATORY: US DOT San Angelo Test Facility

LIGHT TRUCK TYPE REQUIREMENTS

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 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
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 Ford Expedition XLT four-door 4x2 MPV

VEHICLE NHTSA NUMBER: C60206 TEST DATE: September 15, 2006

VIN:: 1FMFU15576LA76097 MANUFACTURE DATE: 03/2006

GVWR: 3,221 kg (7,100 lbs) GAWR(front): 1,429 kg (3,150 lbs)

GAWR(rear): 1,872 kg (4,128 lbs)

SEATING POSITIONS: FRONT 3 MID ___ REAR 6

ODOMETER READING AT START OF TEST: 112 km (69.5 mi)

ENGINE DATA: 8 Cylinders 5.4 Liters 330 Cubic Inches

TRANSMISSION DATA: X Automatic ____ Manual ____ No. of Speeds

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

CHECK APPROPRIATE BOXES FOR INSTALLED VEHICLE EQUIPMENT:

<table>
<thead>
<tr>
<th></th>
<th>Air Conditioning</th>
<th>Traction Control</th>
<th>X</th>
<th>Clock</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X Tinted Glass</td>
<td>X Tachometer</td>
<td>X</td>
<td>Roof Rack</td>
</tr>
<tr>
<td></td>
<td>X Power Steering</td>
<td>X Cruise Control</td>
<td></td>
<td>Console</td>
</tr>
<tr>
<td></td>
<td>X Power Windows</td>
<td>X Rear Window Defroster</td>
<td>X</td>
<td>Driver Air Bag</td>
</tr>
<tr>
<td></td>
<td>X Power Door Locks</td>
<td>Sun Roof or T-Top</td>
<td>X</td>
<td>Passenger Air Bag</td>
</tr>
<tr>
<td></td>
<td>X Power Seat(s)</td>
<td>X Tilt Steering Wheel</td>
<td>X</td>
<td>Side Curtain Air Bag(s)</td>
</tr>
<tr>
<td></td>
<td>X Power Brakes</td>
<td>X Stereo</td>
<td>X</td>
<td>Front Disc Brakes</td>
</tr>
<tr>
<td></td>
<td>X Antilock Brake System</td>
<td>Telephone</td>
<td>X</td>
<td>Rear Disc Brakes</td>
</tr>
<tr>
<td></td>
<td>Navigation System</td>
<td>X Trailer Hitch</td>
<td></td>
<td>Other -</td>
</tr>
</tbody>
</table>

REMARKS: 

RECORDED BY: David K. Banks DATE: September 15, 2006

APPROVED BY: Kenneth H. Yates
VEHICLE MAKE/MODEL/BODY STYLE: 2006 Ford Expedition XLT four-door 4x2 MPV

VEHICLE NHTSA NO. C60206 VIN: 1FMFU15576LA76097

LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 15, 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

<table>
<thead>
<tr>
<th>Tire Sidewall</th>
<th>Right Front</th>
<th>Left Rear (If different)</th>
<th>Spare Tire (If different)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer and Model</td>
<td>Continental Contitrac SUV</td>
<td>__________________________</td>
<td>__________________________</td>
</tr>
<tr>
<td>Tire Size Designation</td>
<td>P265/70R17</td>
<td>__________________________</td>
<td>__________________________</td>
</tr>
<tr>
<td>Load Index/Speed Symbol</td>
<td>113S</td>
<td>__________________________</td>
<td>__________________________</td>
</tr>
<tr>
<td>Maximum Inflation Pressure</td>
<td>300 kPa (44 psi)</td>
<td>__________________________</td>
<td>__________________________</td>
</tr>
<tr>
<td>Maximum Load Rating</td>
<td>1,150 kg (2,535 lbs)</td>
<td>__________________________</td>
<td>__________________________</td>
</tr>
<tr>
<td>Tread/Traction/Temperature</td>
<td>520/A/B</td>
<td>__________________________</td>
<td>__________________________</td>
</tr>
<tr>
<td>Tires Have “DOT” Markings</td>
<td>Yes</td>
<td>__________________________</td>
<td>__________________________</td>
</tr>
</tbody>
</table>

Serial Number: Right Front A3T645PB0706 Left Front A3T645PB0706

Right Rear A3T645PB0706 Left Rear A3T645PB0706

Spare A3T645PB0806
### MOUNTED TIRE VS. AXLE RATING COMPARISON (at sidewall maximum inflation pressure)

<table>
<thead>
<tr>
<th></th>
<th>FRONT AXLE</th>
<th>REAR AXLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. GAWR from certification label</td>
<td>1,429 kg (3,150 lbs)</td>
<td>1,872 kg (4,128 lbs)</td>
</tr>
<tr>
<td>B. Tire Maximum Load Rating from above</td>
<td>1,150 kg (2,535 lbs)</td>
<td>1,150 kg (2,535 lbs)</td>
</tr>
<tr>
<td>C. Reduced tire load rating if applicable*</td>
<td>1,046 kg (2,305 lbs)</td>
<td>1,046 kg (2,305 lbs)</td>
</tr>
<tr>
<td>D. (No. of tires) x (Tire load rating de-rated if appropriate)</td>
<td>2,092 kg (4,610 lbs)</td>
<td>2,092 kg (4,610 lbs)</td>
</tr>
</tbody>
</table>

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 15, 2006

**APPROVED BY:** Kenneth H. Yates
DATA SHEET 3
VEHICLE RIM IDENTIFICATION

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Ford Expedition XLT four-door 4x2 MPV

VEHICLE NHTSA NO. C60206 VIN: 1FMFU15576LA76097

LABORATORY: US DOT San Angelo Test Facility TEST DATE: September 15, 2006

<table>
<thead>
<tr>
<th>Rim Markings</th>
<th>RIGHT FRONT</th>
<th>LEFT REAR (if different)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Source of published dimensions (letter designation)</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>B. Rim Size</td>
<td>17X7.5 J</td>
<td></td>
</tr>
<tr>
<td>C. Does rim contain DOT symbol? (Yes/No)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>D. Manufacturer’s name, symbol or trademark (copy format)</td>
<td>Ford</td>
<td></td>
</tr>
<tr>
<td>E. Date of manufacture or symbol (copy format)</td>
<td>020806</td>
<td></td>
</tr>
<tr>
<td>Do items A-C appear on weather side of rim (Yes/No)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Letter height (not less than 3 mm)</td>
<td>5 mm (0.2 in)</td>
<td></td>
</tr>
<tr>
<td>Lettering (impressed or embossed)</td>
<td>Both</td>
<td></td>
</tr>
<tr>
<td>Are all rim markings legible? (Yes/No)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Do all markings comply with requirements (Yes/No)</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

| Rim Measurements                                                                 |
|------------------------------------------------------------------------------|-----------|---------|
| Rim width                                                                     | 7.5 in    | (19.1 cm)|
| Rim diameter                                                                  | 17 in     | (43.2 cm)|
| 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: 2006 Tire & Rim Association Yearbook

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: See Photographs 5.16a and 5.16b for other rim markings.

RECORDED BY: R.N. Gregg DATE: September 15, 2006

APPROVED BY: Kenneth H. Yates
### Vehicle Make/Model/Body Style:
2006 Ford Expedition XLT four-door 4x2 MPV

### Vehicle NHTSA No.
C60206

### VIN:
1FMFU15576LA76097

### Laboratory:
US DOT San Angelo Test Facility

### Test Date:
September 15, 2006

#### Identification of Vehicle Labeling

<table>
<thead>
<tr>
<th>(Yes/No)</th>
<th>Location</th>
<th>PASS/FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Certification Label</td>
<td>Yes</td>
<td>Driver's side B pillar</td>
</tr>
<tr>
<td>2. Vehicle Placard*</td>
<td>Yes</td>
<td>Driver's side B pillar</td>
</tr>
<tr>
<td>3. Tire Inflation Pressure Label*</td>
<td>No</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

#### 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
Vehicle Placard and, if provided, Tire Inflation Pressure Label are permanently affixed.

( X ) YES       (  ) NO

Vehicle Placard information:

Combined weight of occupants and cargo 743 kg (1,639 lbs)

Seating Capacity: Total 9 ; Front 3 ; Rear 6

Is the number of belted seating positions the same as the labeled seating capacity?

( X ) YES       (  ) NO

Is the tire size and pressure provided?

( X ) YES       (  ) NO

Vehicle Placard or Tire Inflation Pressure Label tire information:

Tire Size: Front P265/70R17 ; Rear P265/70R17

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?

( 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

Vehicle Certification Label information:

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>Rim Size</th>
<th>Rim Suitable for Tire?*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Axle</td>
<td>P265/70R17</td>
<td>17x7.5J</td>
</tr>
<tr>
<td>Rear Axle</td>
<td>P265/70R17</td>
<td>17x7.5J</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>LABELED TIRE CAPACITY AT SPECIFIED PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>-----</td>
</tr>
<tr>
<td>A.</td>
</tr>
<tr>
<td>B.</td>
</tr>
<tr>
<td>C.</td>
</tr>
<tr>
<td>D.</td>
</tr>
</tbody>
</table>

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:

RECORDED BY:  David K. Banks  DATE:  September 15, 2006

APPROVED BY:  Kenneth H. Yates
DATA SHEET 5 (1 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

VEHICLE MAKE/MODEL/BODY STYLE: 2006 Ford Expedition XLT four-door 4x2 MPV

VEHICLE NHTSA NO. C60206  VIN: 1FMFU15576LA76097

LABORATORY: US DOT San Angelo Test Facility  TEST DATE: September 15, 2006

Full Fluid Levels: Fuel Full  Coolant Full  Other Fluids Full

Tire Pressures: LF 240.0 kPa (34.8 psi)  LR 240.2 kPa (34.8 psi)
RF 240.1 kPa (34.8 psi)  RR 240.0 kPa (34.8 psi)

Vehicle Occupant Load

Seating Capacity from Placard:

Total  9  ;  Front  3  ;  Rear  6

Full Occupant Load  612 kg (1,350 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)  743 kg (1,639 lbs)

(2) Full Occupant Load (from above)  612 kg (1,350 lbs)

3) Luggage/Cargo Load (subtract (2) from (1))  131 kg (289 lbs)

Describe placement of cargo: Rear of vehicle, behind rear seat
**DATA SHEET 5 (2 of 2)**

**VEHICLE WEIGHT DISTRIBUTION**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Tire or Vehicle Rating*</th>
<th>Unloaded Vehicle Weight</th>
<th>Vehicle Weight with Full Occupant Load</th>
<th>Vehicle Maximum Weight with Occupants and Cargo</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Measured</td>
<td>Overload</td>
<td>Measured</td>
</tr>
<tr>
<td>Left Front Tire</td>
<td>1,046 kg (2,306 lbs)</td>
<td>595.0 kg (1,311.8 lbs)</td>
<td>no</td>
<td>658.0 kg (1,450.6 lbs)</td>
</tr>
<tr>
<td>Right Front Tire</td>
<td>1,046 kg (2,306 lbs)</td>
<td>601.5 kg (1,326.1 lbs)</td>
<td>no</td>
<td>683.5 kg (1,506.9 lbs)</td>
</tr>
<tr>
<td>Front Axle (GAWR)</td>
<td>1,429 kg (3,150 lbs)</td>
<td>1,196.5 kg (2,637.8 lbs)</td>
<td>no</td>
<td>1,341.5 kg (2,957.5 lbs)</td>
</tr>
<tr>
<td>Left Rear Tire</td>
<td>1,046 kg (2,306 lbs)</td>
<td>623.0 kg (1,373.5 lbs)</td>
<td>no</td>
<td>855.5 kg (1,886.1 lbs)</td>
</tr>
<tr>
<td>Right Rear Tire</td>
<td>1,046 kg (2,306 lbs)</td>
<td>619.0 kg (1,364.7 lbs)</td>
<td>no</td>
<td>850.0 kg (1,873.9 lbs)</td>
</tr>
<tr>
<td>Rear Axle (GAWR)</td>
<td>1,872 kg (4,128 lbs)</td>
<td>1,242.0 kg (2,738.1 lbs)</td>
<td>no</td>
<td>1,705.5 kg (3,760.0 lbs)</td>
</tr>
<tr>
<td>Total Vehicle (GVWR)</td>
<td>3,221 kg (7,100 lbs)</td>
<td>2,438.5 kg (5,376.0 lbs)</td>
<td>no</td>
<td>3,047.0 kg (6,717.5 lbs)</td>
</tr>
</tbody>
</table>

* 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:**

**RECORDED BY:**  David K. Banks  **DATE:**  September 15, 2006

**APPROVED BY:**  Kenneth H. Yates
# Owner's Manual Requirements

**Vehicle Make/Model/Body Style:** 2006 Ford Expedition XLT four-door 4x2 MPV  
**Vehicle NHTSA No.:** C60206  
**VIN:** 1FMFU15576LA76097  
**Laboratory:** US DOT San Angelo Test Facility  
**Test Date:** September 15, 2006

**Owner’s Manual Discusses:**

<table>
<thead>
<tr>
<th>Part 575.6(a) Paragraph</th>
<th>Required Discussion Topic</th>
<th>Discussed in Manual? (YES/NO)</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>(4)(i)</td>
<td>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).</td>
<td>YES</td>
<td>206, 207 - 210, 215-220</td>
</tr>
<tr>
<td>(4)(ii)</td>
<td>(A) Description and explanation of recommended cold tire inflation pressure.</td>
<td>YES</td>
<td>208</td>
</tr>
<tr>
<td></td>
<td>(B) Description and explanation of FMVSS 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s).</td>
<td>YES</td>
<td>228, 229</td>
</tr>
<tr>
<td></td>
<td>(C) Description and explanation of adverse safety consequences of under-inflation including tire failure.</td>
<td>YES</td>
<td>207, 209, 221, 226</td>
</tr>
<tr>
<td></td>
<td>(D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation.</td>
<td>YES</td>
<td>209, 210, 220, 224</td>
</tr>
<tr>
<td>(4)(iii)</td>
<td>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 &amp; 139.</td>
<td>YES</td>
<td>206 - 208</td>
</tr>
<tr>
<td>(4)(vi)</td>
<td>Tire care, including maintenance and safety practices.</td>
<td>YES</td>
<td>209 - 215, 226</td>
</tr>
<tr>
<td>(4)(v)</td>
<td>(A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity.</td>
<td>YES</td>
<td>227 - 238</td>
</tr>
<tr>
<td></td>
<td>(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.</td>
<td>YES</td>
<td>232 - 234</td>
</tr>
<tr>
<td></td>
<td>(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.</td>
<td>YES</td>
<td>232</td>
</tr>
<tr>
<td></td>
<td>(D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires.</td>
<td>YES</td>
<td>228, 230 – 232, 236, 237</td>
</tr>
</tbody>
</table>
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 1400lbs. 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 15, 2006

APPROVED BY: Kenneth H. Yates
<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>DESCRIPTION</th>
<th>MODEL/ SERIAL NO</th>
<th>CAL. DATE</th>
<th>NEXT CAL. DATE</th>
</tr>
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<tbody>
<tr>
<td>PLATFORM SCALE (BALLAST)</td>
<td>HOWE RICHARDSON</td>
<td>MODEL #6401 0181-5509-26</td>
<td>8/10/2006</td>
<td>8/10/2007</td>
</tr>
<tr>
<td>FLOOR SCALES (VEHICLE)</td>
<td>INTERCOMP SW DELUXE SCALES</td>
<td>SERIAL: #27032382 PART #100156</td>
<td>8/10/2006</td>
<td>8/10/2007</td>
</tr>
</tbody>
</table>
SECTION 4
PHOTOGRAPHS
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.1
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.2
¾ REAR VIEW FROM RIGHT SIDE OF VEHICLE
<table>
<thead>
<tr>
<th>Date:</th>
<th>03/06</th>
</tr>
</thead>
<tbody>
<tr>
<td>GVWR:</td>
<td>7100LB / 3221KG</td>
</tr>
<tr>
<td>Front GAWR:</td>
<td>3150LB</td>
</tr>
<tr>
<td>1429KG</td>
<td></td>
</tr>
<tr>
<td>P265/70R17</td>
<td></td>
</tr>
<tr>
<td>17x7.5J</td>
<td></td>
</tr>
<tr>
<td>AT 240 kPa/</td>
<td>35 PSI COLD</td>
</tr>
<tr>
<td>35 PSI COLD</td>
<td></td>
</tr>
<tr>
<td>Rear GAWR:</td>
<td>4128LB</td>
</tr>
<tr>
<td>WITH 1.872KG</td>
<td></td>
</tr>
<tr>
<td>TIRES P265/70R17</td>
<td></td>
</tr>
<tr>
<td>RIMS 17x7.5J</td>
<td></td>
</tr>
<tr>
<td>WITH TIRES RIMS</td>
<td></td>
</tr>
</tbody>
</table>

**Figure 5.3**

Vehicle Certification Label

2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

Vehicle conforms to all applicable Federal Motor Vehicle Safety Standards in effect on the date of manufacture shown above.
<table>
<thead>
<tr>
<th>TIRES</th>
<th>SIZE</th>
<th>COLD TIRE PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>P265/70R17</td>
<td>240 KPA, 35 PSI</td>
</tr>
<tr>
<td>REAR</td>
<td>P265/70R17</td>
<td>240 KPA, 35 PSI</td>
</tr>
<tr>
<td>SPARE</td>
<td>P265/70R17</td>
<td>240 KPA, 35 PSI</td>
</tr>
</tbody>
</table>

The combined weight of occupants and cargo should never exceed: 743 kg or 1639 lbs.
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.5
TIRE SHOWING BRAND
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.6
TIRE SHOWING MODEL
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.7
TIRES SHOWING SIZE, LOAD INDEX, AND SPEED SYMBOL
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.8
TIRE SHOWING MAX LOAD RATING AND MAX INFLATION PRESSURE
FIGURE 5.9
TIRE SHOWING CONSTRUCTION
FIGURE 5.10
TIRE SHOWING SERIAL NUMBER
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.11
RIM CONTOUR FOR FULL WIDTH OF CROSS SECTION
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.13
RIM SHOWING SIZE
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.14
RIM SHOWING MANUFACTURE DATE
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.15
RIM SHOWING DOT SYMBOL
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.16a
RIM MARKINGS
2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110

FIGURE 5.16b
RIM MARKINGS
FIGURE 5.18
VEHICLE REAR SEAT BALLASTED FOR MAXIMUM LOAD
FIGURE 5.19
REAR OF VEHICLE SHOWN BALLASTED FOR CARGO
FIGURE 5.20
VEHICLE ON WEIGHT SCALES

2006 FORD EXPEDITION XLT MPV
NHTSA NO. C60206
FMVSS NO. 110