SAFETY COMPLIANCE TESTING FOR
FMVSS 110
TIRE SELECTION AND RIMS

FORD MOTOR COMPANY
2010 FORD TAURUS
FOUR-DOOR PASSENGER CAR
NHTSA NO. CA0211

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

March 17, 2010
FINAL REPORT

PREPARED FOR
U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
1200 NEW JERSEY AVENUE, S.E.
WEST BUILDING, FOURTH FLOOR, NVS-220
WASHINGTON, D.C. 20590
This publication is distributed by the National Highway Traffic Safety Administration in the interest of information exchange. Opinions, findings and conclusions expressed in this publication are those of the author(s) and not necessarily those of the Department of Transportation or the National Highway Traffic Safety Administration. The United States Government assumes no liability for its contents or use thereof.

If trade or manufacturers' names or products are mentioned, it is only because they are considered essential to the object of the publication and should not be construed as an endorsement.

Prepared By: Doris Beebe

Approved By: [Signature]

Accepted By: [Signature]

Acceptance Date: 3/17/10
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>110-STF-10-002</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Report of FMVSS 110 Compliance Testing of 2010 Ford Taurus Four-Door Passenger Car, NHTSA No. CA0211</td>
<td>March 17, 2010</td>
<td>STF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Jack Stewart, Junior Systems Analyst</td>
<td>STF-DOT-10-110-002</td>
</tr>
<tr>
<td>Todd P. Groghan, Safety Compliance Engineer</td>
<td></td>
</tr>
<tr>
<td>Kenneth H. Yates, Safety Compliance Engineer</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9. Performing Organization Name and Address</th>
<th>10. Work Unit No. (TRAIS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. DOT San Angelo Test Facility</td>
<td></td>
</tr>
<tr>
<td>131 Comanche Trail, Building 3527</td>
<td></td>
</tr>
<tr>
<td>Goodfellow AFB, Texas 76908</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11. Contract or Grant No.</th>
<th>12. Sponsoring Agency Name and Address</th>
<th>13. Type of Report and Period Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>U.S. DOT San Angelo Test Facility</td>
<td>Final Test Report</td>
</tr>
<tr>
<td></td>
<td>131 Comanche Trail, Building 3527</td>
<td>February 24, 2010</td>
</tr>
<tr>
<td></td>
<td>Goodfellow AFB, Texas 76908</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NVS-220</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliance tests were conducted on the subject 2010 Ford Taurus four-door passenger car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-110P-03 for the determination of FMVSS 110 compliance. Test failures identified were as follows: NONE.</td>
<td>Compliance Testing Safety Engineering FMVSS 110</td>
<td>Copies of this report are available from: NHTSA Technical Information Services NPO-411 1200 New Jersey Avenue, S.E. Washington, DC 20590 Email: <a href="mailto:tis@dot.gov">tis@dot.gov</a> FAX: 202-493-2833</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UNCLASSIFIED</td>
<td>UNCLASSIFIED</td>
<td>37</td>
<td></td>
</tr>
</tbody>
</table>

Form DOT F 1700.7 (8-72)
TABLE OF CONTENTS

SECTION ........................................ PAGE

1 Introduction ............................................................................................................. 1

2 Test Procedure and Summary of Results ............................................................ 2

3 Test Data .................................................................................................................. 3

4 Test Equipment List and Calibration Information ................................................. 16

5 Photographs .......................................................................................................... 17

Figure

5.1 ¾ Front View from Left Side of Vehicle
5.2 ¾ Rear View from Right Side of Vehicle
5.3 Vehicle Certification Label
5.4 Vehicle Placard
5.5 Tire Showing Brand
5.6 Tire Showing Model
5.7 Tire Showing Size, Load Index, and Speed Symbol
5.8 Tire Showing Max Load Rating and Max Inflation Pressure
5.9 Tire Showing Serial Number
5.10 Rim Contour for Full Width of Cross Section
5.11 Right Front Rim Showing Manufacturer’s Symbol, Size, Letter Designation for Source of Published Dimensions, DOT Symbol, Date of Manufacture, and Other Rim Markings
5.12 Vehicle Front Seat Ballasted for Normal, Full, and Maximum Loads
5.13 Vehicle Rear Seat Ballasted for Normal Load
5.14 Vehicle Rear Seat Ballasted for Full and Maximum Loads
5.15 Vehicle Trunk Shown Ballasted for Maximum Load
5.16 Vehicle on Weight Scales
SECTION 1

INTRODUCTION

1.1 PURPOSE OF COMPLIANCE TEST

A 2010 Ford Taurus 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 2010 Ford Taurus four-door passenger car. Nomenclatures applicable to the test vehicle are:

A. **Vehicle Identification Number**: 1FAHP2DW1AG132689

B. **NHTSA Number**: CA0211

C. **Manufacturer**: Ford Motor Company

D. **Manufacture Date**: 12/2009

1.3 TEST DATE

The test vehicle was tested February 24, 2010.
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 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 Ford Taurus with all requirements tested.
SECTION 3
TEST DATA
**DATA SUMMARY SHEET**

**VEHICLE MAKE/MODEL/BODY STYLE:** 2010 Ford Taurus four-door passenger car  

**VEHICLE NHTSA NUMBER:** CA0211  

**VIN:** 1FAHP2DW1AG132689  

**VEHICLE TYPE:** passenger car  

**DATE OF MANUFACTURE:** 12/2009  

**LABORATORY:** US DOT San Angelo Test Facility

### PASSENGER CAR REQUIREMENTS

#### 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 Ford Taurus.
DATA SHEET 1
TEST VEHICLE INFORMATION/RECEIVING INSPECTION

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Ford Taurus four-door passenger car

VEHICLE NHTSA NUMBER: CA0211  TEST DATE: February 24, 2010

VIN: 1FAHP2DW1AG132689  MANUFACTURE DATE: 12/2009

GVWR: 2,386 kg (5,260 lb)  GAWR(front): 1,279 kg (2,820 lb)
GAWR(rear): 1,143 kg (2,520 lb)

SEATING POSITIONS: FRONT 2  MID N/A  REAR 3

ODOMETER READING AT START OF TEST: 264 km (164 mi)

ENGINE DATA: 6 Cylinders 3.5 Liters  ___ Cubic Inches

TRANSMISSION DATA: X Automatic  ___ Manual  6 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 |
| X | Tinted Glass | X | Tachometer | Roof Rack |
| X | Power Steering | X | Cruise Control | X | Console |
| X | Power Windows | X | Rear Window Defroster | Driver Air Bag |
| X | Power Door Locks | Sun Roof or T-Top | X | Passenger Air Bag |
| X | 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: February 24, 2010

APPROVED BY: Kenneth H. Yates
DATA SHEET 2
VEHICLE TIRE IDENTIFICATION

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Ford Taurus four-door passenger car

VEHICLE NHTSA NUMBER: CA0211  VIN: 1FAHP2DW1AG132689

LABORATORY: US DOT San Angelo Test Facility  TEST DATE: February 24, 2010

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: ( ) YES (X) NO

<table>
<thead>
<tr>
<th>Tire Sidewall</th>
<th>Right Front</th>
<th>Left Rear</th>
<th>Spare Tire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer and Model</td>
<td>Hankook Optimo H725</td>
<td></td>
<td>Maxxis Spare Only</td>
</tr>
<tr>
<td>Tire Size Designation</td>
<td>P235/60R17</td>
<td></td>
<td>T155/70D17</td>
</tr>
<tr>
<td>Load Index/Speed Symbol</td>
<td>100T</td>
<td></td>
<td>110M</td>
</tr>
<tr>
<td>Maximum Inflation Pressure</td>
<td>300 kPa (44 psi)</td>
<td></td>
<td>420 kPa (60 psi)</td>
</tr>
<tr>
<td>Maximum Load Rating</td>
<td>800 kg (1,764 lb)</td>
<td></td>
<td>1,060 kg (2,337 lb)</td>
</tr>
<tr>
<td>Tread/Traction/Temperature</td>
<td>740/A/B</td>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>
| Tires Have “DOT” Markings | Yes |             | Yes |}

Serial Number: Right Front 5MJCDFHP3709  Left Front 5MJCDFHP3709  Right Rear 5MJCDFHP3709  Left Rear 5MJCDFHP3709  Spare UYVOABC3809

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan  DATE: February 24, 2010

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

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Ford Taurus four-door passenger car

VEHICLE NHTSA NUMBER: CA0211 VIN: 1FAHP2DW1AG132689

LABORATORY: US DOT San Angelo Test Facility TEST DATE: February 24, 2010

Rim Markings (if available):

<table>
<thead>
<tr>
<th></th>
<th>Right Front</th>
<th>Left Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer's Name, Symbol or Trademark</td>
<td>FoMoCo</td>
<td>FoMoCo</td>
</tr>
<tr>
<td>Rim Size</td>
<td>17X7½ J</td>
<td>17X7½ J</td>
</tr>
<tr>
<td>Date of Manufacture</td>
<td>11 09</td>
<td>11 09</td>
</tr>
<tr>
<td>Does Rim contain “DOT” symbol? (YES/NO)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Other Rim Markings</td>
<td>See page 28</td>
<td>See page 28</td>
</tr>
<tr>
<td>Rim Inspection Comments:</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Rim Size:

<table>
<thead>
<tr>
<th></th>
<th>Measured Rim Width</th>
<th>Measured Rim Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tire Size</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Right Front Wheel</td>
<td>P235/60R17</td>
<td>19.1 cm (7.5 in)</td>
</tr>
<tr>
<td>Left Rear Wheel</td>
<td>P235/60R17</td>
<td>19.1 cm (7.5 in)</td>
</tr>
</tbody>
</table>

Does stamped rim size (if available) agree with the measured rim size?

Right front rim: ( X ) YES ( ) NO  
Left rear rim: ( X ) YES ( ) NO

Installed rims are suitable for installed tires? ( X ) YES ( ) NO

Reference document: 2009 Tire & Rim Association Yearbook

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan DATE: February 24, 2010
APPROVED BY: Kenneth H. Yates
DATA SHEET 4 (1 of 2)
VEHICLE PLACARD, AND TIRE INFLATION PRESSURE LABEL

VEHICLE MAKE/MODEL/BODY STYLE: 2010 Ford Taurus four-door passenger car

VEHICLE NHTSA NUMBER: CA0211 VIN: 1FAHP2DW1AG132689

LABORATORY: US DOT San Angelo Test Facility TEST DATE: February 24, 2010

Identification of Vehicle Labeling

<table>
<thead>
<tr>
<th>Yes/No</th>
<th>Location</th>
<th>PASS/FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Driver’s side B pillar</td>
<td>PASS</td>
</tr>
<tr>
<td>Yes</td>
<td>Driver’s side B pillar</td>
<td>PASS</td>
</tr>
<tr>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Vehicle Placard

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

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

Vehicle Placard Information:

Combined weight of occupants and cargo 430 kg (950 lb)

Seating Capacity: Total 5 Front 2 Rear 3

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 Tire Information:

Tire size: Front __P235/60R17__ Rear __P235/60R17__

Tire Inflation Pressure: Front __260 kPa (38 psi)__ Rear __260 kPa (38 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:  __February 24, 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 Ford Taurus four-door passenger car
VEHICLE NHTSA NUMBER: CA0211  VIN: 1FAHP2DW1AG132689
LABORATORY: US DOT San Angelo Test Facility TEST DATE: February 24, 2010

Full Fluid Levels: Fuel Full Coolant Full Other Fluids* Full
* Transmission, windshield washer, power steering, brake, and engine oil.

Tire Pressures: LF 260.0 kPa (37.7 psi) LR 260.0 kPa (37.7 psi)
RF 260.0 kPa (37.7 psi) RR 260.0 kPa (37.7 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

<table>
<thead>
<tr>
<th></th>
<th>LF 548 kg (1,209 lb)</th>
<th>RF 540 kg (1,190 lb)</th>
<th>Front Axle 1,088 kg (2,399 lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>351 kg (774 lb)</td>
<td>RR 352 kg (777 lb)</td>
<td>Rear Axle 703 kg (1,551 lb)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Total Vehicle 1,791 kg (3,950 lb)</td>
</tr>
</tbody>
</table>

B. MEASURED VEHICLE NORMAL LOAD WEIGHT

(1) Seating Capacity from Vehicle Placard = 5
(2) Normal Load Number of Occupants (Table in Section 10) = 3
   Occupant Distribution: Front Seat 2 Second Seat 1
(3) Total Normal Occupant Load: 204 kg (450 lb)
   [# of occupants x 68 KG per occupant]
(4) Measured Normal Load on Axles:

<table>
<thead>
<tr>
<th></th>
<th>LF 592 kg (1,306 lb)</th>
<th>RF 586 kg (1,292 lb)</th>
<th>Front Axle 1,178 kg (2,598 lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LR 410 kg (903 lb)</td>
<td>RR 408 kg (899 lb)</td>
<td>Rear Axle 818 kg (1,802 lb)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Total Vehicle 1,996 kg (4,400 lb)</td>
</tr>
</tbody>
</table>
DATA SHEET 5 (2 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

(5) Calculated Vehicle Normal Load on the Tire:

Front Tires \[\text{measured front axle normal load}/2\] = \(589 \text{ kg (1,299 lb)}\)
Rear Tires \[\text{measured rear axle normal load}/2\] = \(409 \text{ kg (901 lb)}\)

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

Load rating at recommend cold inflation pressure = \(800 \text{ kg (1,764 lb)}\)
94% of load rating = \(752 \text{ kg (1,658.2 lb)}\)

Vehicle Normal Load on the Tire must not be greater than 94% of Load Rating Value.

PASS/FAIL

[B.(5)<B.(6)] Front Tires PASS
Rear Tires PASS

C. MEASURED VEHICLE WEIGHT WITH FULL OCCUPANT LOAD

(1) Seating Capacity from Placard:

Total 5  Front 2  Rear 3

(2) Full Occupant Load: 340 kg (750 lb)
[# of total occupants from C.(1) x 68 KG per occupant]

(3) Measured Vehicle Weight with Full Occupant Load:

<table>
<thead>
<tr>
<th></th>
<th>LF</th>
<th></th>
<th>LR</th>
<th></th>
<th>RF</th>
<th></th>
<th>RR</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>605 kg</td>
<td>1,334 lb</td>
<td>464 kg</td>
<td>1,023 lb</td>
<td>600 kg</td>
<td>1,323 lb</td>
<td>463 kg</td>
<td>1,020 lb</td>
</tr>
</tbody>
</table>

Front Axle 1,205 kg (2,657 lb)  Rear Axle 927 kg (2,043 lb)

Total Vehicle 2,132 kg (4,700 lb)
D. MEASURED MAXIMUM VEHICLE LOAD WEIGHT

(1) Vehicle Capacity Weight (from placard): 430 kg (950 lb)

(2) Full Occupant Load (from C.(2)): 340 kg (750 lb)

(3) Luggage/Cargo Load (subtract (2) from (1)): 90 kg (200 lb)

(4) Measured Vehicle Maximum Load on Axles:
   - LF 596 kg (1,315 lb)
   - LR 518 kg (1,143 lb)
   - RF 591 kg (1,303 lb)
   - RR 517 kg (1,139 lb)
   - Front Axle 1,187 kg (2,618 lb)
   - Rear Axle 1,035 kg (2,282 lb)
   - Total Vehicle 2,222 kg (4,900 lb)

(5) Calculated Vehicle Maximum Load on the Tire:
   - Front Tires [measured front axle maximum load/2] = 594 kg (1,309 lb)
   - Rear Tires [measured rear axle maximum load/2] = 518 kg (1,141 lb)

(6) Tire Sidewall Maximum Load Ratings:
   - Front
     - Installed Tire Size P235/60R17
     - Max. Load Rating on Sidewall 800 kg (1,764 lb)
   - Rear
     - Installed Tire Size P235/60R17
     - Max. Load Rating on Sidewall 800 kg (1,764 lb)

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 PASS
Rear Tires PASS
(7) Tire Load Ratings at Vehicle Placard or Tire Inflation Pressure Label
Recommended Cold Tire Inflation Pressure.

<table>
<thead>
<tr>
<th></th>
<th>Front Axle</th>
<th>Rear Axle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labeled Tire Size</td>
<td>P235/60R17</td>
<td>P235/60R17</td>
</tr>
<tr>
<td>Labeled Cold Inflation Pressure</td>
<td>260 kPa (38 psi)</td>
<td>260 kPa (38 psi)</td>
</tr>
<tr>
<td>Load Rating at This Pressure*</td>
<td>800 kg (1,764 lb)</td>
<td>800 kg (1,764 lb)</td>
</tr>
</tbody>
</table>

*Reference used to obtain Load Rating: 2009 Tire & Rim Association Yearbook

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 PASS

REMARKS:

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 PASS

REMARKS: None

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

RECORDED BY: Todd P. Groghan  DATE: February 24, 2010

APPROVED BY: Kenneth H. Yates
VEHICLE MAKE/MODEL/BODY STYLE: 2010 Ford Taurus four-door passenger car

VEHICLE NHTSA NUMBER: CA0211  VIN: 1FAHP2DW1AG132689

LABORATORY: US DOT San Angelo Test Facility  TEST DATE: February 24, 2010

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>217 - 221</td>
</tr>
<tr>
<td>(4)(ii)</td>
<td>(A) Description and explanation of recommended cold tire inflation pressure.</td>
<td>Yes</td>
<td>209</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>229 - 230</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>210</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 - 211</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>208, 209</td>
</tr>
<tr>
<td>(4)(iv)</td>
<td>Tire care, including maintenance and safety practices.</td>
<td>Yes</td>
<td>211, 212</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>228 - 235</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>228 - 235</td>
</tr>
<tr>
<td></td>
<td>(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.</td>
<td>Yes</td>
<td>233</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>229</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 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400-750 (5x150) = 650 lbs.)
(5) Determine the combined weight of the luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.
(6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

DATA INDICATES COMPLIANCE:  PASS/FAIL:  PASS

REMARKS:  None

RECORDED BY:  Todd P. Groghan   DATE:  February 24, 2010
APPROVED BY:  Kenneth H. Yates
## SECTION 4

### TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>DESCRIPTION</th>
<th>MODEL/ SERIAL NO</th>
<th>CAL. DATE</th>
<th>NEXT CAL. DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLATFORM SCALE (BALLAST)</td>
<td>HOWE RICHARDSON</td>
<td>MODEL #6401 SERIAL #0181-5509-26</td>
<td>7/28/2009</td>
<td>7/28/2010</td>
</tr>
<tr>
<td>AIR PRESSURE GAUGE</td>
<td>ASHCROFT GENERAL PURPOSE DIGITAL GAUGE</td>
<td>MODEL #D1005PS 02L 100 PSI SERIAL #20017398-01</td>
<td>12/9/2009</td>
<td>12/9/2010</td>
</tr>
<tr>
<td>FLOOR SCALES (VEHICLE)</td>
<td>INTERCOMP SW DELUXE SCALES</td>
<td>PART #100156 SERIAL #27032382</td>
<td>7/28/2009</td>
<td>7/28/2010</td>
</tr>
</tbody>
</table>
SECTION 5
PHOTOGRAPHS
MFD. BY FORD MOTOR CO.

DATE: 12/09          GVWR: 2386kg/5260lb
FRONT GAWR: 1279kg/2820lb     REAR GAWR: 1143kg/2520lb

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR
VEHICLE SAFETY, BUMPER, AND THEFT PREVENTION STANDARDS
IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

VIN: 1FAHP2DW1AG132689   TYPE: Passenger Car
MAXIMUM LOAD = OCCUPANTS + LUGGAGE = 430kg/950lb
OCCUPANTS = 5 TOTAL; 2 FRONT, 3 REAR

TIRE (FR): P235/60R17
( RR): P235/60R17
PRESSURE (FR): 260 kPa/ 38 PSI COLD  (RR): 260 kPa/ 38 PSI COLD

RIMS (FR): 17x7.5J
( RR): 17x7.5J

TRAILER TOWING - SEE OWNER GUIDE
EXT PNT: WS
INT TR  TP/PS  R AXLE  TR  SPR  APH1N  TOA
7S  2  IA  J  EECC  CMC  △SU5A-5420472-AA

1200912072980

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:
- 430 kg or 950 lbs.

<table>
<thead>
<tr>
<th>TIRE</th>
<th>SIZE</th>
<th>Cold Tire Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>P235/60R17</td>
<td>260 KPA, 38 PSI</td>
</tr>
<tr>
<td>REAR</td>
<td>P235/60R17</td>
<td>260 KPA, 38 PSI</td>
</tr>
<tr>
<td>SPARE</td>
<td>T155/70D17</td>
<td>415 KPA, 60 PSI</td>
</tr>
</tbody>
</table>

See Owners Manual for Additional Information.
2010 FORD TAURUS
NHTSA NO. CA0211
FMVSS 110

FIGURE 5.6
TIRE SHOWING MODEL
2010 FORD TAURUS
NHTSA NO. CA0211
FMVSS 110

FIGURE 5.8
TIRE SHOWING MAX LOAD RATING AND MAX INFLATION PRESSURE
2010 FORD TAURUS
NHTSA NO. CA0211
FMVSS 110

FIGURE 5.9
TIRE SHOWING SERIAL NUMBER
2010 FORD TAURUS
NHTSA NO. CA0211
FMVSS 110

FIGURE 5.10
RIM CONTOUR FOR FULL WIDTH OF CROSS SECTION
RIGHT FRONT RIM SHOWING MANUFACTURER’S SYMBOL, SIZE, LETTER DESIGNATION FOR SOURCE OF PUBLISHED DIMENSIONS AND DOT SYMBOL, DATE OF MANUFACTURE, AND OTHER RIM MARKINGS.
2010 FORD TAURUS
NHTSA NO. CA0211
FMVSS 110

VEHICLE REAR SEAT BALLASTED
FOR FULL AND MAXIMUM LOADS
2010 FORD TAURUS
NHTSA NO. CA0211
FMVSS 110

FIGURE 5.15
VEHICLE TRUNK BALLASTED
FOR MAXIMUM LOAD
2010 FORD TAURUS
NHTSA NO. CA0211
FMVSS 110

FIGURE 5.16
VEHICLE ON WEIGHT SCALES