REPORT NUMBER 110-STF-11-002

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

TOYOTA MOTOR MANUFACTURING, KENTUCKY, INC.
2011 TOYOTA CAMRY HYBRID
FOUR-DOOR PASSENGER CAR
NHTSA NO. CB5101

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

August 18, 2011

FINAL REPORT

PREPARED FOR

U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
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Acceptance Date: 8/18/11

Technical Report Documentation Page

1. Report No. 110-STF-11-002	2. Government Accession No.	3. Recipient's Catalog No.
4. Title and Subtitle Final Report of FMVSS NO. 110 Compliance Testing of 2011 Toyota Camry Hybrid Four-Door Passenger Car, NHTSA No. CB5101		5. Report Date August 18, 2011 6. Performing Organization Code STF
7. Author(s) Jack Stewart, Junior Systems Analyst Todd P. Groghan, Safety Compliance Engineer Kenneth H. Yates, Safety Compliance Engineer		8. Performing Organization Report No. STF-DOT-11-110-002
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. (TRAIS) 11. Contract or Grant No.
12. Sponsoring Agency Name and Address United States Department of Transportation National Highway Traffic Safety Administration Office of Vehicle Safety Compliance, NVS 220 1200 New Jersey Avenue, SE Washington, DC 20590		13. Type of Report and Period Covered Final Test Report March 24, 2011 14. Sponsoring Agency Code NVS-220
15. Supplementary Notes		
16. Abstract Compliance tests were conducted on the subject 2011 Toyota Camry Hybrid 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 NO. 110 compliance. Test failures identified were as follows: NONE.		
17. Key Words Compliance Testing Safety Engineering FMVSS NO. 110	18. Distribution Statement Copies of this report are available from: NHTSA Technical Information Services NPO-411 1200 New Jersey Avenue, S.E. Washington, DC 20590 Email: tis@dot.gov FAX: 202-493-2833	
19. Security Classification (of this report) UNCLASSIFIED	21. Number of Pages 39	22. Price
20. Security Classification (of this page) UNCLASSIFIED		

Form DOT F 1700.7 (8-72)

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SECTION 1

INTRODUCTION

1.1 PURPOSE OF COMPLIANCE TEST

A 2011 Toyota Camry Hybrid 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 2011 Toyota Camry Hybrid four-door passenger car. Nomenclatures applicable to the test vehicle are:

A. Vehicle Identification Number: 4T1BB3EK1BU136448

B. NHTSA Number: CB5101

C. Manufacturer: Toyota Motor Manufacturing, Kentucky, Inc.

D. Manufacture Date: 06/2010

1.3 TEST DATE

The test vehicle was tested March 24, 2011.

SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.1 TEST PROCEDURE

Prior to test, the test vehicle was inspected for completeness, systems operability and appropriate fuel and liquid levels, i.e. oil and coolant. The vehicle was then photographically documented. The right front and left rear wheels were removed from the vehicle. Pertinent information on the tires and rims furnished with the vehicle was recorded and tires and rims were photographed.

The vehicle tire placard was photographed and checked for compliance to location, format, and information requirements. Subsequent events included weighing the vehicle to establish delivered curb weight and the distribution of weight on the front and rear axles and each wheel position. Vehicle was ballasted to Normal Load weight, Full Occupant Load weight, and Maximum Vehicle Load weight. At each step of the ballasting procedure, data was recorded. Ballast was photographically documented for the Normal, Full, and Maximum Vehicle Load weights. The tires and rims labeled and installed on the vehicle were verified to be appropriate for the loading and load ratings of the vehicle. The owner's manual was checked for all required information on placard, tire loading, and general tire and loading parameters.

2.2 SUMMARY OF RESULTS

The data indicate compliance of the Toyota Camry Hybrid with all requirements tested.

SECTION 3

TEST DATA

DATA SUMMARY SHEET

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Toyota Camry Hybrid 4-door passenger car

VEHICLE NHTSA NUMBER: CB5101 VIN: 4T1BB3EK1BU136448

VEHICLE TYPE: passenger car DATE OF MANUFACTURE: 06/2010

LABORATORY: US DOT San Angelo Test Facility

PASSENGER CAR REQUIREMENTS	PASS/FAIL
General (Data Sheet 2)	
The vehicle is equipped with tires that meet the requirements of S139. (S110, S4.1)	**PASS**
Tire Load Limits (Data Sheet 5)	
The vehicle maximum load on the tire shall not be greater than the maximum load rating as marked on the sidewall of the tire. (S110, S4.2.1.1)	**PASS**
The vehicle normal load on the tire is not greater than the value of 94 percent of the load rating at the vehicle manufacturer's recommended cold inflation pressure for that tire. (S110, S4.2.1.2)	**PASS**
Placard and Tire Inflation Pressure Label (Data Sheets 4 and 5)	
The placard and tire inflation pressure label (if provided) are affixed and located correctly, and display the information and format required. (S110, S4.3)	**PASS**
No inflation pressure other than the maximum permissible inflation pressure may be shown on the placard and, if any, tire inflation pressure label unless as required. (S110, S4.3.4)	**PASS**
Rim (Data Sheet 3)	
Each rim is constructed to the dimensions of a rim specified for the application. (S110, S4.4.1(a))	**PASS**
Vehicle rims retain deflated tires during a controlled brake application. (S110, S4.4.1(b))	**See Remarks**
Owner's Manual (Data Sheet 6)	
Owner's manual or other document has discussion of Vehicle Placard Loading and Tires. (575.6 (a)(4))	**PASS**
Owner's manual includes exact statement relating to "Steps for Determining Correct Load Limits." (575.6(a)(5))	**PASS**

REMARKS: The rim retention test required by FMVSS No.110, paragraph S4.4.1(b) was not executed on the subject Toyota Camry Hybrid.

DATA SHEET 1
TEST VEHICLE INFORMATION/RECEIVING INSPECTION

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Toyota Camry Hybrid 4-door passenger car

VEHICLE NHTSA NUMBER: CB5101 TEST DATE: March 24, 2011

VIN: 4T1BB3EK1BU136448 MANUFACTURE DATE: 06/2010

GVWR: (2,111 kg) 4,655 lb GAWR(front): (1,210 kg) 2,668 lb

GAWR(rear): (1,070 kg) 2,359 lb

Note: Kilograms shown are conversions. The certification label shows pounds only.

SEATING POSITIONS: FRONT 2 MID N/A REAR 3

ODOMETER READING AT START OF TEST: 175 km (109 mi)

ENGINE DATA: 4 Cylinders 2.4 Liters _____ Cubic Inches

TRANSMISSION DATA: X Automatic _____ Manual CVT No. of Speeds

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

INSTALLED VEHICLE EQUIPMENT:

X	Air Conditioning	X	Traction Control	X	Clock
	Tinted Glass		Tachometer		Roof Rack
X	Power Steering	X	Cruise Control	X	Console
X	Power Windows	X	Rear Window Defroster	X	Driver Air Bag
X	Power Door Locks		Sun Roof or T-Top	X	Passenger Air Bag
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: Hybrid Synergy Drive

RECORDED BY: Todd P. Groghan DATE: March 24, 2011

APPROVED BY: Kenneth H. Yates

DATA SHEET 2
VEHICLE TIRE IDENTIFICATION

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Toyota Camry Hybrid 4-door passenger car

VEHICLE NHTSA NUMBER: CB5101 VIN: 4T1BB3EK1BU136448

LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 24, 2011

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

Tire Sidewall	**Right Front**	**Left Rear** (If different)	**Spare Tire** (If different)
Manufacturer and Model	Michelin Energy MXV4 S8		Goodyear Convenience Spare
Tire Size Designation	P215/60R16		T155/70D17
Load Index/Speed Symbol	94V		110M
Maximum Inflation Pressure	300 kPa (44 psi)		420 kPa (60 psi)
Maximum Load Rating	670 kg (1,477 lb)		1,060 kg (2,337 lb)
Tread/Traction/Temperature	440/A/A		N/A
Tires Have "DOT" Markings	Yes		Yes

Serial Number: Right Front HN49JUAX1410 Left Front HN49JUAX1410

Right Rear HN49JUAX1410 Left Rear HN49JUAX1410

Spare PCYY011P1910

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan DATE: March 24, 2011

APPROVED BY: Kenneth H. Yates

DATA SHEET 3
VEHICLE RIM IDENTIFICATION

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Toyota Camry Hybrid 4-door passenger car

VEHICLE NHTSA NUMBER: CB5101 VIN: 4T1BB3EK1BU136448

LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 24, 2011

Rim Markings (if available):	**Right Front**	**Left Rear**
Manufacturer's Name, Symbol or Trademark	CMC	CMC
Rim Size	J16x6½ JJ	J16x6½ JJ
Date of Manufacture	5 10	5 10
Does Rim contain "DOT" symbol? (YES/NO)	Yes	Yes
Other Rim Markings	See pages 29 and 30	
Rim Inspection Comments:	None	

Rim Size:

	Tire Size	Measured Rim Width	Measured Rim Diameter
Right Front Wheel	P215/60R16	16.5 cm (6.5 in)	40.6 cm (16.0 in)
Left Rear Wheel	P215/60R16	16.5 cm (6.5 in)	40.6 cm (16.0 in)

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: 2010 Tire & Rim Association Yearbook

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Todd P. Groghan DATE: March 24, 2011

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Toyota Camry Hybrid 4-door passenger car

VEHICLE NHTSA NUMBER: CB5101 VIN: 4T1BB3EK1BU136448

LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 24, 2011

Identification of Vehicle Labeling

	Yes/No	Location	PASS/FAIL
1. Certification Label	Yes	Driver's side B-pillar	PASS
2. Vehicle Placard	Yes	Driver's side B-pillar	PASS
3. Tire Inflation Pressure Label	No		
4. Load Carrying Capacity Modification Label	Yes	Driver's side B-pillar	PASS

Vehicle Placard

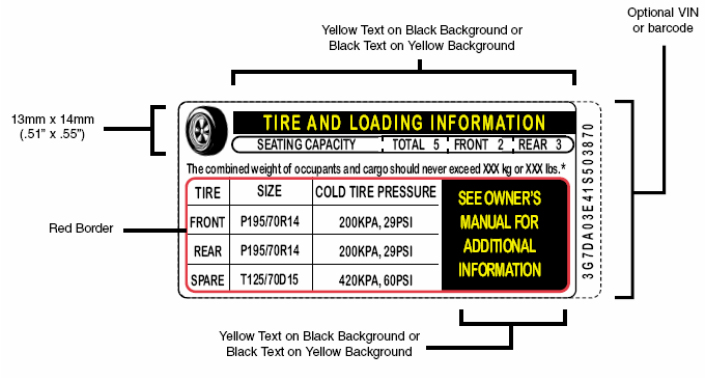


FIGURE 1
(70 FR 14425)

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 410 kg (900 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

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

Vehicle Placard Tire Information:

Tire size: Front P215/60R16 Rear P215/60R16

Tire Inflation Pressure: Front 220 kPa (32 psi) Rear 220 kPa (32 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

Load Carrying Capacity Modification Label Information:

Original Load Carry Capacity is reduced by: 8 kg (18 lbs)

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: This vehicle is equipped with a Load Carrying Modification label requiring vehicle placard weight capacity ratings to be reduced by 8 kg (18 lbs).

RECORDED BY: Todd P. Groghan DATE: March 24, 2011

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Toyota Camry Hybrid 4-door passenger car

VEHICLE NHTSA NUMBER: CB5101 VIN: 4T1BB3EK1BU136448

LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 24, 2011

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

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

Tire Pressures: LF 220 kPa (32 psi) LR 220 kPa (32 psi)
RF 220 kPa (32 psi) RR 220 kPa (32 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

LF 474 kg (1,046 lb) LR 347 kg (764 lb)
RF 471 kg (1,038 lb) RR 341 kg (752 lb)

Front Axle 945 kg (2,084 lb) Rear Axle 688 kg (1,516 lb)

Total Vehicle 1,633 kg (3,600 lb)

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:

LF 518 kg (1,142 lb) LR 407 kg (897 lb)
RF 512 kg (1,129 lb) RR 400 kg (882 lb)

Front Axle 1,030 kg (2,271 lb) Rear Axle 807 kg (1,779 lb)

Total Vehicle 1,837 kg (4,050 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] = 515 kg (1,136 lb)
Rear Tires [measured rear axle normal load/2] = 404 kg (890 lb)

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

Load rating at recommend cold inflation pressure= 640 kg (1,411 lb)
94% of load rating = 601 kg (1,326 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:

LF	532 kg (1,172 lb)	LR	464 kg (1,022 lb)
RF	523 kg (1,152 lb)	RR	455 kg (1,004 lb)
Front Axle	1,055 kg (2,324 lb)	Rear Axle	919 kg (2,026 lb)

Total Vehicle 1,974 kg (4,350 lb)

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

D. MEASURED MAXIMUM VEHICLE LOAD WEIGHT

(1) Vehicle Capacity Weight (see Remarks): 402 kg (882 lb)

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

(3) Luggage/Cargo Load (subtract (2) from (1)): 62 kg (132 lb)

(4) Measured Vehicle Maximum Load on Axles:

LF	526 kg (1,160 lb)	LR	501 kg (1,104 lb)
RF	515 kg (1,136 lb)	RR	491 kg (1,082 lb)
Front Axle	1,041 kg (2,296 lb)	Rear Axle	992 kg (2,186 lb)

Total Vehicle 2,033 kg (4,482 lb)

(5) Calculated Vehicle Maximum Load on the Tire:

Front Tires [measured front axle maximum load/2]= 521 kg (1,148 lb)

Rear Tires [measured rear axle maximum load/2] = 496 kg (1,093 lb)

(6) Tire Sidewall Maximum Load Ratings:

	Front	Rear
Installed Tire Size	P215/60R16	P215/60R16
Max. Load Rating on Sidewall	670 kg (1,477 lb)	670 kg (1,477 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

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

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

	Front Axle	Rear Axle
Labeled Tire Size	P215/60R16	P215/60R16
Labeled Cold Inflation Pressure	220 kPa (32 psi)	220 kPa (32 psi)
Load Rating at This Pressure	640 kg (1,411 lb)	640 kg (1,411 lb)

Reference used to obtain Load Rating: 2010 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
	Rear Tires	PASS

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
	Rear Tires	PASS

DATA INDICATES COMPLIANCE: PASS/FAIL: PASS

REMARKS: D. (1), placard vehicle capacity weight, has been reduced by the amount – 8 kg (18 lbs) - on the Load Carrying Capacity Modification Label, resulting in the values shown. The vehicle capacity label numbers are not exact conversions, thus the values in D. (1) and D. (3) are also not exact.

RECORDED BY: Todd P. Groghan DATE: March 24, 2011

APPROVED BY: Kenneth H. Yates

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

VEHICLE MAKE/MODEL/BODY STYLE: 2011 Toyota Camry Hybrid 4-door passenger car

VEHICLE NHTSA NUMBER: CB5101 VIN: 4T1BB3EK1BU136448

LABORATORY: US DOT San Angelo Test Facility TEST DATE: March 24, 2011

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	462 - 464
(4)(ii)	(A) Description and explanation of recommended cold tire inflation pressure.	Yes	363, 468
	(B) Description and explanation of FMVSS NO. 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s).	Yes	363
	(C) Description and explanation of adverse safety consequences of under-inflation including tire failure.	Yes	366
	(D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation.	Yes	364, 365
(4)(iii)	Glossary of tire terminology, including "cold tire pressure," maximum inflation pressure," and "recommended inflation pressure," and all non-technical terms defined in S3 of FMVSS NO. 110 & 139.	Yes	468 - 473
(4)(iv)	Tire care, including maintenance and safety practices.	Yes	354 - 357, 361
(4)(v)	(A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity.	Yes	172
	(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	169 - 172
	(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.	Yes	358
	(D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires.	Yes	172

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: None

RECORDED BY: Todd P. Groghan DATE: March 24, 2011

APPROVED BY: Kenneth H. Yates

SECTION 4

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

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

SECTION 5

PHOTOGRAPHS

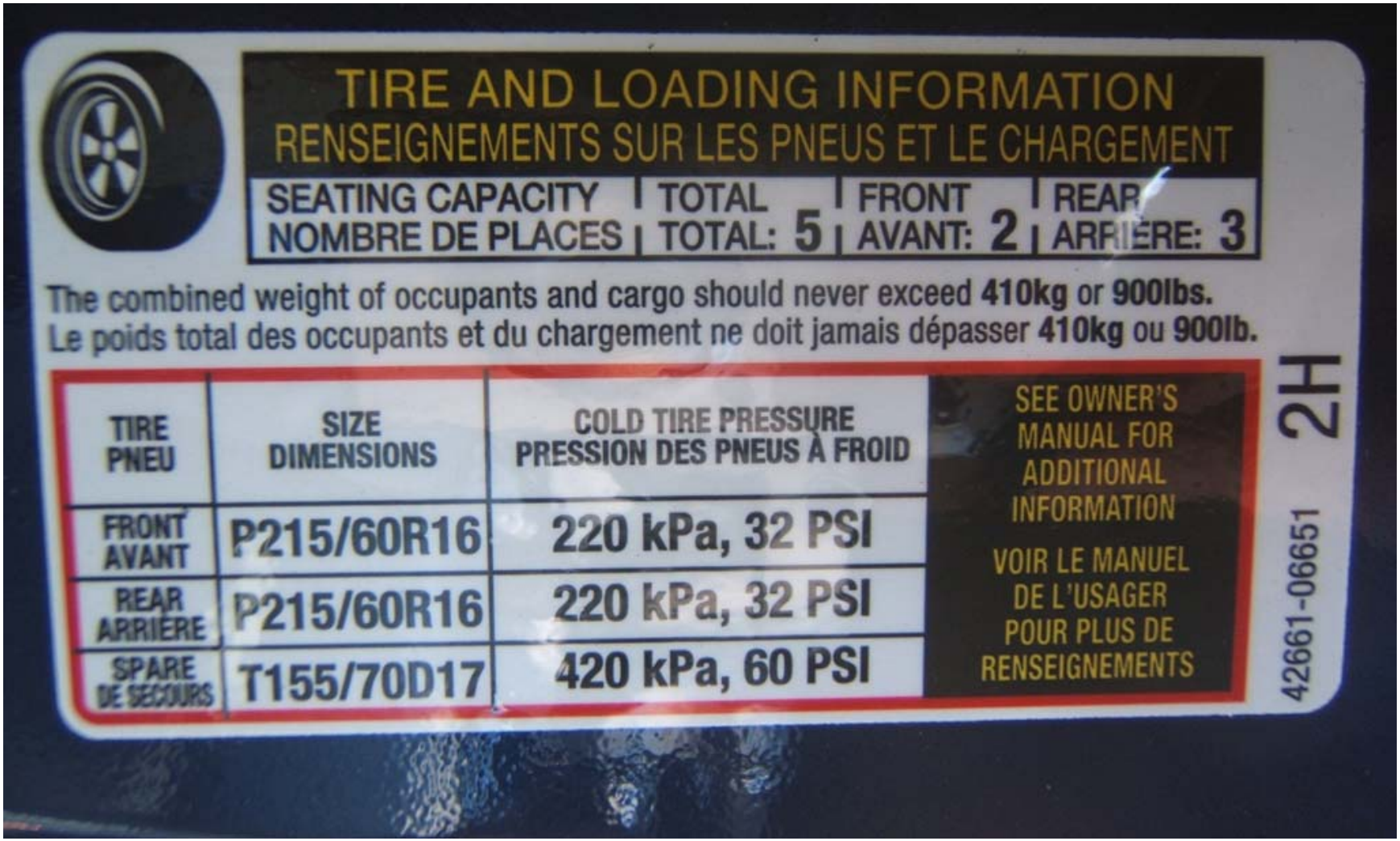
2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.1
¾ FRONT VIEW FROM LEFT SIDE OF VEHICLE

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

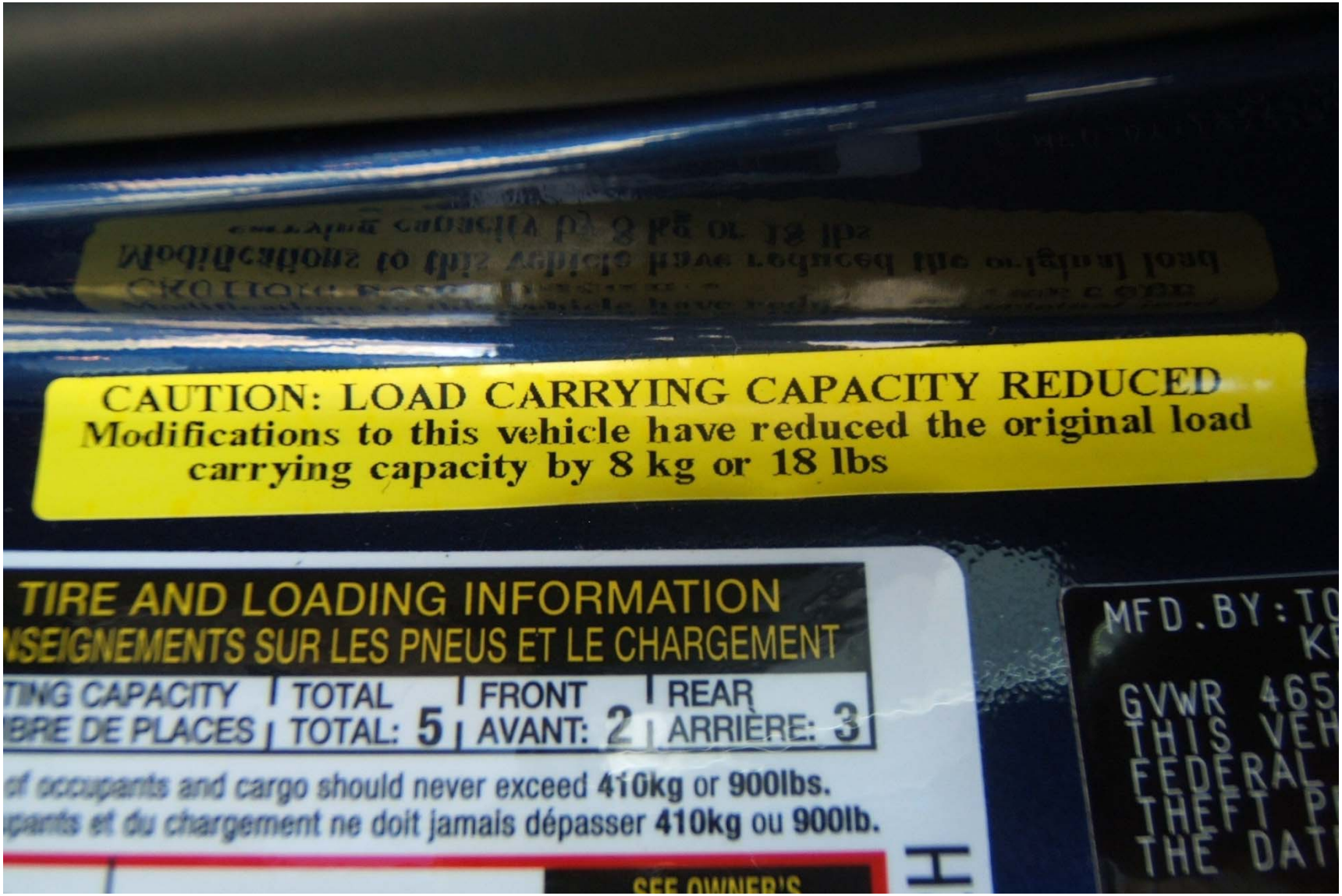
FIGURE 5.2
¾ REAR VIEW FROM RIGHT SIDE OF VEHICLE


MFD.BY:TOYOTA MOTOR MANUFACTURING,
KENTUCKY,INC.06/10
GVWR 4655LB GAWR FR 2668LB RR 2359LB
THIS VEHICLE CONFORMS TO ALL APPLICABLE
FEDERAL MOTOR VEHICLE SAFETY,BUMPER,AND
THEFT PREVENTION STANDARDS IN EFFECT ON
THE DATE OF MANUFACTURE SHOWN ABOVE.
4T1BB3EK1BU136448 PASS.CAR
C/TR:8T5/FA13 AHV40L-CEXGBA
A/TM:-01A/P311
51352



2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.4
VEHICLE PLACARD



2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.5
LOAD CARRYING CAPACITY MODIFICATION LABEL

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.6
TIRE SHOWING BRAND

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.7
TIRE SHOWING MODEL

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.8
TIRE SHOWING SIZE, LOAD INDEX, AND SPEED SYMBOL

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.9
TIRE SHOWING MAX LOAD RATING AND MAX INFLATION PRESSURE

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.10
TIRE SHOWING SERIAL NUMBER

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.11
RIM CONTOUR FOR FULL WIDTH OF CROSS SECTION, SHOWING TPMS SENDING UNIT

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.12
RIGHT FRONT RIM SHOWING LETTER DESIGNATION FOR SOURCE OF PUBLISHED DIMENSIONS, SIZE, DOT SYMBOL, MANUFACTURER'S SYMBOL, DATE OF MANUFACTURE, AND OTHER RIM MARKINGS

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.13
RIGHT FRONT RIM SHOWING OTHER RIM MARKINGS

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.14
VEHICLE FRONT SEATS BALLASTED FOR
NORMAL, FULL, AND MAXIMUM LOADS

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.15
VEHICLE REAR SEAT BALLASTED
FOR NORMAL LOAD

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.16
VEHICLE REAR SEAT BALLASTED
FOR FULL AND MAXIMUM LOADS

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.17
VEHICLE TRUNK
BALLASTED FOR MAXIMUM LOAD

2011 TOYOTA CAMRY HYBRID
NHTSA NO. CB5101
FMVSS NO. 110

FIGURE 5.18
VEHICLE ON WEIGHT SCALES