

SAFETY COMPLIANCE TESTING FOR
FMVSS NO. 110
TIRE SELECTION AND RIMS
FOR MOTOR VEHICLES WITH A
GVWR OF 4536 KILOGRAMS OR LESS
FOR LIGHT TRUCK TYPE VEHICLES

HONDA MFG. OF ALABAMA, LLC
2016 HONDA PILOT, MPV
NHTSA NO. C20165300

GENERAL TESTING LABORATORIES, INC.
1623 LEEDSTOWN ROAD
COLONIAL BEACH, VIRGINIA 22443



May 25, 2016

FINAL REPORT

PREPARED FOR

**U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
1200 NEW JERSEY AVE., SE
WASHINGTON, D.C. 20590**

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SECTION 1

INTRODUCTION

1.0 PURPOSE OF COMPLIANCE TEST

A 2016 Honda Pilot MPV was subjected to FMVSS No. 110 testing 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 Procedure, TP-110T-03 dated 01 November 2012 and General Testing Laboratories, Inc (GTL) Test Procedure, TP-110T dated 20 May 2015.

1.1 TEST VEHICLE

The test vehicle was a 2016 Honda Pilot MPV. Nomenclature applicable to the test vehicle are:

A. Vehicle Identification Number: 5FNYP6H12GB032526

B. NHTSA No.: C20165300

C. Manufacturer: HONDA MFG. OF ALABAMA LLC.

D. Manufacture Date: 10/15

E. Color: Grey

1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 110 testing on May 13-16, 2016.

SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.0 GENERAL

The 2016 Honda Pilot MPV, NHTSA No. C20165300, was subjected to FMVSS No. 110 testing on May 13-16, 2016.

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 as required by the DOT/NHTSA and GTL test procedures. 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. The vehicle normal load as well as the maximum load on each wheel was measured. Data from each tire furnished with the vehicle were recorded. The vehicle tire placard was surveyed and photographed. Required dimensional data and other identifying data for the left front and right rear rims were obtained. The contour of the aforementioned rims was documented photographically.

2.2 SUMMARY OF RESULTS

The test vehicle appears to be in compliance with the requirements of FMVSS No. 110.

SECTION 3

TEST DATA

DATA SHEET 1 (1 of 2)
SUMMARY

VEHICLE MAKE/MODEL/BODY STYLE: 2016 HONDA PILOT MPV
 VEHICLE NHTSA NO.: C20165300 ; VIN: 5FNYP6H12GB032526
 VEHICLE TYPE: MPV DATE OF MANUFACTURE: 10/15
 LABORATORY: General Testing Laboratories, Inc.
 TEST DATE: May 13-16, 2016

LIGHT TRUCK TYPE VEHICLE 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 2)

The sum of the maximum load ratings of the tires fitted to an axle is not less than the gross axle weight rating (GAWR) of the axle system as specified on the certification label. When passenger car tires are installed, each tires load rating is reduced by dividing it by 1.10 before determining the sum of the maximum load ratings of the tires fitted to an axle. (S110, S4.2.2.1, S4.2.2.2)

Pass

When passenger car tires are installed, the vehicle normal load on the tire is not greater than the value of 94 percent of the derated load rating at the vehicle manufacturer's recommended cold inflation pressure for that tire. When LT tires are installed, the vehicle normal load on the tire is not greater than the value of 94 percent of the load rating at the vehicle manufacturer's recommended cold inflation pressure for that tire. (S110, S4.2.2.3(a), (b))

Pass

Rims (Data Sheet 3 and 6)

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

Pass

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

N/A

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

Pass

DATA SHEET 1 (2 of 2)
SUMMARY

LIGHT TRUCK TYPE VEHICLE REQUIREMENTS

PASS/FAIL

Certification, Placard, and Tire Inflation Pressure Labels, Load Carrying Capacity Modification Label (Data Sheet 4)

The placard and tire inflation pressure label (if applicable) and load carrying Capacity modification label (if attached) 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, S4.3.3)

Pass

No inflation pressure other than the maximum permissible inflation pressure is shown on the placard and, if any, tire inflation pressure label unless as required. (S110, S4.3.4)

Pass

Vehicle Weight Distribution (Data Sheet 5)

The Gross Vehicle Weight Rating(GVWR) is not less than the sum of the unloaded vehicle weight, rated cargo load, and 68 kg times the vehicle's designated seating capacity. However, for school buses, the minimum occupant weight allowance is 54 kg. (49 CFR 567, Certification)

Pass

Owner's Manual (Data Sheet 6)

Owner's manual or other document has discussion of Vehicle Placard, Loading and Tires. (575.6 (a) (4))

Pass

Owner's manual includes exact statement relating to "Steps for Determining Correct Load Limits." (575.6 (a)(5))

Pass

RECORDED BY: G. FARRAND
APPROVED BY: D. MESSICK

DATE: 05/13/16

DATA SHEET 2
TEST VEHICLE INFORMATION

LABORATORY: General Testing Laboratories, Inc. DATE: 05/13/16

VEHICLE MODEL YEAR/MAKE/MODEL/BODY STYLE: 2016 HONDA PILOT MPV

MANUFACTURE DATE: 10/15 NHTSA NO.: C20165300 BODY COLOR: Grey

VIN: 5FNYF6H12GB032526 VEHICLE TYPE: MPV

GVWR 2650 kg (5842 lbs) GAWR(Fr) 1295 kg (2855 lbs) GAWR(Rr) 1405 kg (3098 lbs)

SEATING POSITIONS: FRONT 2 MID 3 REAR 2

ODOMETER READING AT START OF TEST: 7 Miles

ENGINE DATA: 6 Cylinders 3.5 Liters Cubic Inches

TRANSMISSION DATA: X Automatic Manual 6 No. of Speeds CVT

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

CHECK APPROPRIATE BOXES FOR VEHICLE EQUIPMENT/MAKE SURE ALL OPTIONS ON WINDOW

X	Air Conditioning		Traction Control	X	Clock
X	Tinted Glass	X	All Wheel Drive		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
	Power Seat(s)	X	Tachometer	X	Front Disc Brakes
X	Power Brakes	X	Tilt Steering Wheel	X	Rear Disc Brakes
X	Antilock Brake System	X	AM/FM/CD	X	Other – TPMS

REMARKS:

RECORDED BY: G. FARRAND

DATE: 05/13/16

APPROVED BY: D. MESSICK

DATA SHEET 3
TEST VEHICLE TIRE IDENTIFICATION AND LOAD LIMITS

VEHICLE MAKE/MODEL/BODY STYLE: 2016 HONDA PILOT MPV
 VEHICLE NHTSA NO.: C20165300 ; VIN: 5FNYP6H12GB032526
 LABORATORY: General Testing Laboratories, Inc.
 TEST DATE: May 13, 2016

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	<u>Bridgestone Dueler</u>	<u></u>	<u>Goodyear</u>
Tire Size Designation	<u>245/60R18</u>	<u></u>	<u>T165/80D17</u>
Load Index/Speed Symbol	<u>105 H</u>	<u></u>	<u>104 M LL</u>
Maximum Inflation Pressure	<u>300 KPA, 44 PSI</u>	<u></u>	<u>420 KPA, 60 psi</u>
Maximum Load Rating	<u>925 KG, 2039 LBS</u>	<u></u>	<u>900 KG, 1984 LBS</u>
Tread/Traction/Temperature	<u>500 AA</u>	<u></u>	<u></u>
Tires have "DOT" markings	<u>YES</u>	<u></u>	<u>YES</u>

Tire Identification Number:

Right Front	<u>DOT7X83HPA3415</u>	Left Front	<u>DOT7X83HPA3415</u>
Right Rear	<u>DOT7X83HPA3415</u>	Left Rear	<u>DOT7X83HPA3415</u>
Spare	<u>PC10H9EP3515</u>		

Mounted Tire vs. Axle Rating Comparison (at sidewall maximum inflation pressure)	Front Axle	Rear Axle
A. GAWR (KG) from certification label	1295 KG	1405 KG
B. Tire Maximum Load Rating from above (KG)	925 KG	925 KG
C. Reduced Tire Load Rating, if applicable (KG)*	841 KG	841 KG
D. (Number of tires on axle) x (tire load rating, de-rated if appropriate)	1682 KG	1682 KG
Is "D" equal to or greater than "A"? (Yes/No)	YES	YES

* If a passenger car tire is installed on a multipurpose passenger vehicle (TRUCK), TRUCK or bus, the tire's load rating is reduced by dividing by 1.10.

DATA INDICATES COMPLIANCE

PASS/FAIL Pass

REMARKS:

RECORDED BY: G. FARRAND
 APPROVED BY: D. MESSICK

DATE: 05/13/16

DATA SHEET 4
VEHICLE RIM IDENTIFICATION

VEHICLE MAKE/MODEL/BODY STYLE: 2016 HONDA PILOT MPV
 VEHICLE NHTSA NO.: C20165300 ; VIN: 5FNYP6H12GB032526
 LABORATORY: General Testing Laboratories, Inc.
 TEST DATE: May 13, 2016

RIM MARKINGS	RIGHT FRONT	LEFT REAR (if different)
A. Source of published dimensions (letter designation)	J	
B. Rim Size	18 x 8.0 J	
C. Does rim contain DOT symbol (Yes/No)	YES	
D. Manufacturer's name, symbol or trademark (copy format)	HONDA MOTOR	
E. Date of manufacture or symbol (copy format)	09/15	
Do items A-C appear on weather side of rim? (Yes/No)	YES	
Letter height (not less than 3 mm)	MM	
Lettering (impressed or embossed)	EMBOSSSED	
Are all rim markings legible? (Yes/No)	YES	
Do all markings comply with requirements? (Yes/No)	YES	

RIM MEASUREMENTS	RIGHT FRONT	LEFT REAR (if different)
Rim Width (mm)	203	
Rim Diameter (mm)	457	
Rim measurements same as rim markings? (Yes/No)	YES	

Rims are suitable for tire on vehicle* (X) Yes () No

*Reference source used for tire/rim match verification: Tire and Rim Association Manual 2014

DATA INDICATES COMPLIANCE

PASS/FAIL Pass

REMARKS:

RECORDED BY: G. FARRAND
 APPROVED BY: D. MESSICK

DATE: 05/13/16

DATA SHEET 5 (1 of 5)
VEHICLE PLACARD, AND TIRE INFLATION PRESSURE LABEL AND OTHER LABELS

VEHICLE MAKE/MODEL/BODY STYLE: 2016 HONDA PILOT MPV

VEHICLE NHTSA NO.: C20165300 ; VIN: 5FN9F6H12GB032526

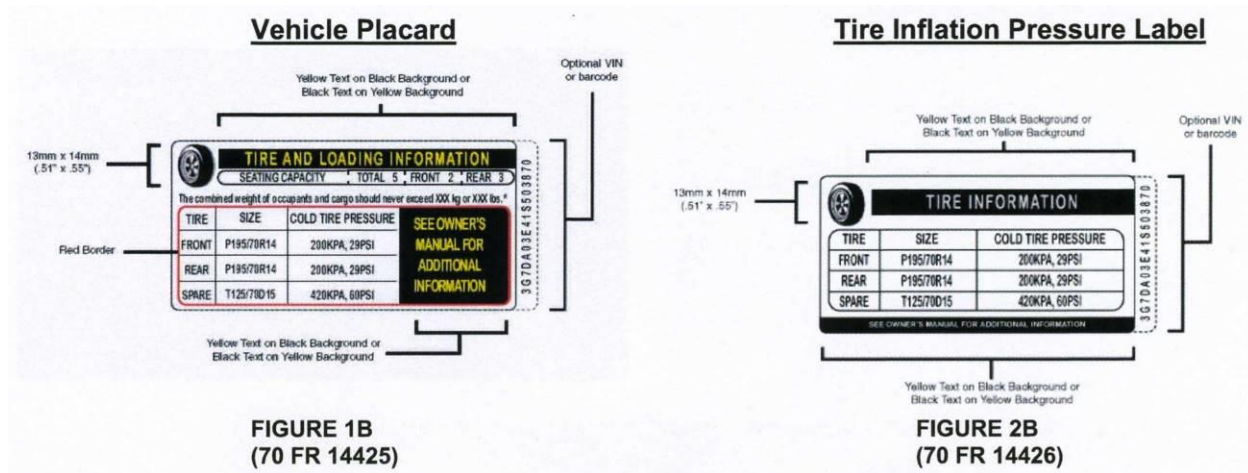
LABORATORY: General Testing Laboratories, Inc.

TEST DATE: May 13, 2016

IDENTIFICATION OF VEHICLE LABELING

	(Yes/No)	Location	Pass/Fail
1. Monroney Label(if attached)	YES	IN GLOVE BOX	N/A
2. Certification Label*	YES	DRIVER B PILLAR	PASS
3. Alterer's Label(if attached)	N/A	N/A	N/A
4. Vehicle Placard*	YES	DRIVER B PILLAR	PASS
5. Tire Inflation Pressure Label*	N/A	N/A	N/A
6. Load Carrying Capacity Modification Label*	N/A	N/A	N/A
7. Dealer/Distributor Optional Equipment Added Label (if attached)	N/A	N/A	N/A

* Labels are to be affixed to the driver's side B-pillar otherwise refer to FMVSS 110 requirements.



CAUTION: LOAD CARRYING CAPACITY REDUCED
Modifications to this vehicle have reduced the original load carrying capacity by _____ kg or _____ lbs

Black print on yellow background with minimum print size of 2.4 mm high.

FIGURE 3
(72 FR 68465)

DATA SHEET 5 (2 of 5)

VEHICLE PLACARD, AND TIRE INFLATION PRESSURE LABEL AND OTHER LABELS

Labeling Notes:

1. Tire size and pressure can be omitted from 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 label, or horizontally, along the bottom edge of the placard or 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 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.

DATA SHEET 5 (3 of 5)

VEHICLE PLACARD, AND TIRE INFLATION PRESSURE LABEL AND OTHER LABELS

Vehicle Placard has the exact color and format as specified in the above Figure 1B and text is in English. (X) Yes () No

If no, explain: _____

Tire Inflation Pressure Label, if provided, has the exact color and format as specified in the above Figure 2B and text is in English. () Yes () No (X) N/A

If no, explain: _____

Load Carrying Capacity Modification Label, if attached, has the exact color and format as specified in the above Figure 3 and text is in the English language. Verify the label is within 25 mm of vehicle placard and has minimum print size of 2.4 mm high.

() Yes () No (X) N/A

If no, explain: _____

Vehicle Placard and, if provided, **Tire Inflation Pressure Label** and the **Load Carrying Capacity Modification Label** are permanently affixed. (X) Yes () No

Vehicle Placard information:

Combined weight of occupants and cargo 608 kg (1340 lbs)

Seating capacity: Total 8 Front 2 Rear 6

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

(X) Yes () No

If no, explain: _____

Is the tire size and pressure provided? (X) Yes () No

If no, is the tire size and pressure provided on a Tire Inflation Pressure Label?

() Yes () No

Vehicle Placard or Tire Inflation Pressure Label tire information:

Tire size Front 245/60R18 Rear 245/60R18

Tire Inflation Pressure Front 220KPA (32psi) Rear 220KPA (32psi)

Are the sizes of the installed tires the same as the sizes of the labeled tires?

(X) Yes () No

If no, explain: _____

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 SHEET 5 (4 of 5) CONTINUED
VEHICLE PLACARD, AND TIRE INFLATION PRESSURE LABEL AND OTHER LABELS

Vehicle Certification Label information:

	Tire Size	Rim Size	Rim Suitable for Tire? (Yes or No)*
Front Axle	<u>245/60R18</u>	<u>18 X 8.0 J</u>	<u>YES</u>
Rear Axle	<u>245/60R18</u>	<u>18 X 8.0 J</u>	<u>YES</u>

***Referenced source used for tire/rim match verification:**

Tire and Rim Association Manual 2014

Load Carrying Capacity Modification Label information:

Is there a Load Carrying Capacity Modification Label? () YES (X) NO
 Distance label is from vehicle placard (no more than 25 mm): _____ mm
 Label letter height (must be at least 2.4 mm in height): _____ mm
 Load Carrying Capacity reduction: _____ kg

Monroney Label (if attached) information: None

Tire Size Listed: Front 245/60R18 Rear 245/60R18

Installed tire sizes same as labeled tire sizes? (X) YES () NO

Separate Distributor/Dealer Optional Equipment label (if attached):

Equipment Listed: N/A

DATA INDICATES COMPLIANCE:

PASS/FAIL PASS

DATA SHEET 5 (5 of 5)
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>2650</u> KG	<u>Front Axle</u>	<u>Rear Axle</u>
A. GAWR (KG) from certification label	1295	1405
B. Tire Load Rating (KG) of labeled tire size at labeled inflation pressure*	865	865
C. Reduced Tire Load Rating, if applicable**	786	786
D. (Number of tires) x (tire load rating, de-rated if appropriate) (KG)	1573	1573
Is "D" equal to or greater than "A"? (Yes/No)	YES	YES

*Reference source used for tire/rim match verification: Tire and Rim Association Manual 2014

** 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 1.10.

DATA INDICATES COMPLIANCE

PASS/FAIL PASS

REMARKS:

RECORDED BY: G. FARRAND
APPROVED BY: D. MESSICK

DATE: 05/13/16

DATA SHEET 6 (1 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

VEHICLE MAKE/MODEL/BODY STYLE: 2016 HONDA PILOT MPV
 VEHICLE NHTSA NO.: C20165300 ; VIN: 5FNYP6H12GB032526
 LABORATORY: General Testing Laboratories, Inc.
 TEST DATE: May 13, 2016

Full Fluid Levels: Fuel Full Coolant Full Other Fluids Full (Brake Fluid, Windshield Washer Fluid)

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 559.5 KG (1233lbs) LR 405 KG (892 lbs)
 RF 529.5 KG (1167lbs) RR 406 KG (895 lbs)

Front Axle 1089 KG (2400 lbs) Rear Axle 811 KG (1787 lbs)

Total Vehicle 1900 KG (4188 lbs)

B. MEASURED VEHICLE NORMAL LOAD WEIGHT

1. Seating Capacity from Vehicle Placard 8

2. Normal Load Number of Occupants (from table in Section 10) 3

Occupant Distribution: Front Seat 2 Second Seat 3
 Third Seat 3 Fourth Seat

3. Total Normal Occupant Load 204 KG (449 lbs)
 (# of occupants x 68 KG per occupant)

4. Measured Normal Load on Axles

LF 611 KG (1347 lbs) LR 456 KG (1005 lbs)
 RF 577 KG (1272 lbs) RR 460 KG (1014 lbs)

Front Axle 1188 KG (2619 lbs) Rear Axle 916 KG (2019 lbs)

Total Vehicle 2104 KG (4638 lbs)

5. Calculated Vehicle Normal Load on the Tire

Front Tires (Measured front axle normal load/2) 594 KG (1309 lbs)
 Rear Tires (Measured rear axle normal load/2) 458 KG (1009 lbs)

6. Value of 94 percent of the load rating at the vehicle manufacturer's recommended cold inflation pressure for that tire: 739 KG (Front) 739 KG (Rear)

DATA SHEET 6 (2 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

Vehicle Normal Load on the Tire should not be greater than the Value of 94% of the load rating at the vehicle manufacturer's recommended cold inflation pressure.

MEASURED NORMAL LOAD ON TIRE VS. VALUE OF 94% OF LOAD RATING FOR THAT TIRE AT SPECIFIED PRESSURE	Front Axle	Rear Axle
A. Calculated Vehicle Normal Load on the Tire from (5)	594	458
B. Tire Load Rating (KG) of installed tire size at recommended cold inflation pressure*	865	865
C. Reduced Tire Load Rating, if applicable (KG)**	786	786
D. 94% of tire load rating, de-rated if appropriate (KG)	739	739
Is "D" equal to or greater than "A"? (Yes/No)	YES	YES

*Reference source used for tire/rim match verification: Tire and Rim Association Manual 2014

** If a passenger car tire is installed on a multipurpose passenger vehicle(TRUCK), TRUCK or bus, the tire's load rating is reduced by dividing 1.10.

DATA SHEET 6 (3 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

C. MEASURED VEHICLE WEIGHT WITH FULL OCCUPANT LOAD

1. Seating Capacity from Placard:
Total 8 Front 2 Rear 6
2. Full Occupant Load 544 KG (1199 lbs)
(# of occupants x 68 KG per occupant)
3. Measured Vehicle Weight with Full Occupant Load

LF <u>631</u> KG (1391 lbs)	LR <u>610.5</u> KG (1345 lbs)
RF <u>589.5</u> KG (1299 lbs)	RR <u>613</u> KG (1351 lbs)
Front Axle <u>1220.5</u> KG (2690 lbs)	Rear Axle <u>1223.5</u> KG (2697 lbs)
Total Vehicle <u>2444</u> KG (5388 lbs)	

D. MEASURED VEHICLE WEIGHT WITH MAXIMUM LOAD (PLACARD)

1. Vehicle Capacity Weight (from placard) 608 KG (1340 lbs)
2. Reduced Capacity Weight if applicable 0 KG
(from load carrying capacity modification label)
3. Reduced Vehicle Capacity Weight 608 KG
(Subtract (2) from (1))
4. Full Occupant Load (from C.2 above) 544 KG (1199 lbs)
5. Luggage/Cargo Load (subtract 4 from 3) 64 KG (141 lbs)
6. Measured Vehicle Maximum Load on Axles

LF <u>622</u> KG (1371 lbs)	LR <u>654</u> KG (1441 lbs)
RF <u>579</u> KG (1276 lbs)	RR <u>653</u> KG (1439 lbs)
Front Axle <u>1201</u> KG (2647 lbs)	Rear Axle <u>1307</u> KG (2881 lbs)
Total Vehicle <u>2508</u> KG (5529 lbs)	

DATA SHEET 6 (4 of 4)
CURB WEIGHT, NORMAL LOAD WEIGHT & MAXIMUM VEHICLE WEIGHT

WEIGHT DISTRIBUTION

Item	Tire or Vehicle Rating* (KG)	Unloaded Vehicle Wt. (KG)		Vehicle Wt. With Full Occupant Load (KG)		Vehicle Maximum Wt. With Occupants and Cargo (KG)	
		Measured	Overload	Measured	Overload	Measured	Overload
Left Front Tire	739	559.5	No	631	No	622	No
Right Front Tire	739	529.5	No	589.5	No	579	No
Front Axle (GAWR)	1295	1089	No	1220	No	1201	No
Left Rear Tire	739	405	No	610.5	No	654	No
Right Rear Tire	739	406	No	613	No	653	No
Rear Axle (GAWR)	1405	811	No	1223.5	No	1307	No
Total Vehicle (GVWR)	2650	1900	No	2444	No	2508	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, TRUCK or bus, the tire's load rating is reduced by dividing by 1.10.

DATA INDICATES COMPLIANCE

PASS/FAIL Pass

REMARKS:

RECORDED BY: G. FARRAND
APPROVED BY: D. MESSICK

DATE: 05/13/16

DATA SHEET 7
OWNER'S MANUAL REQUIREMENTS

VEHICLE MAKE/MODEL/BODY STYLE: 2016 HONDA PILOT MPV
 VEHICLE NHTSA NO.: C20165300 ; VIN: 5FNYP6H12GB032526
 LABORATORY: General Testing Laboratories, Inc.
 TEST DATE: May 16, 2016

Owner's Manual Discusses:

Part 575.6(a) Paragraph	Required Discussion Topic	Discussed in Manual? (Yes/No)
(4) (i)	Tire labeling, including a description and explanation of each marking on the tire provided with the vehicle, and information about the location of the Tire Identification Number (TIN)	YES
(4) (ii)	A. Description and explanation of recommended cold tire inflation pressure.	YES
	B. Description and explanation of FMVSS 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s)	YES
	C. Description and explanation of adverse safety consequences of under-inflation including tire failure	YES
	D. Description and explanation for measuring and adjusting air pressure to achieve proper inflation	YES
(4) (iii)	Glossary of tire terminology, including "cold tire pressure", "maximum inflation pressure", and all non-technical terms defined in S3 of FMVSS 110 and 139	YES
(4) (iv)	Tire care, including maintenance and safety practices	YES
(4) (v)	A. Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity and cargo capacity.	YES
	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
	C. Description and explanation for determining compatibility of tire and vehicle load capabilities	YES
	D. Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires	YES

DATA SHEET 7 Continued
OWNER'S MANUAL REQUIREMENTS

The following verbatim statement, in the English language, is provided in the Owner's Manual.
Reference Part 575.6 (a)(5) (X)Yes () 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 passenger that will be riding in your vehicle
3. Subtract the combined weight of the driver and passenger 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 passenger in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. $(1400 - 750 (5 \times 150) = 650 \text{ lbs.})$
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 you vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult the manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

DATA INDICATES COMPLIANCE

PASS/FAIL Pass

REMARKS: Tire information is not provided in the vehicle owner's manual, but is provided as a generic tire information supplement booklet.

RECORDED BY: G. FARRAND
APPROVED BY: D. MESSICK

DATE: 05/13/16

SECTION 4
TEST EQUIPMENT LIST

TABLE 1 – TEST AND EQUIPMENT LIST

EQUIPMENT	DESCRIPTION	MODEL/ SERIAL NO.	CAL. DATE	NEXT CAL. DATE
PAD SCALES	#1 199744LF	199744LF	02/16	02/17
	#2 199744RF	199744RF	02/16	02/17
	#3 199744LR	199744LR	02/16	02/17
	#4 199744RR	19974RR	02/16	02/17
PRESSURE GAGE	WEKLSER	107	02/16	02/17
SURFACE LEVEL	STANLEY	641186	01/17	01/18
INCLINOMETER	MITUTOYO	PRO 360	BEFORE USE	BEFORE USE

SECTION 5
PHOTOGRAPHS



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.1
¾ LEFT FRONT VIEW OF VEHICLE



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.2
¾ RIGHT REAR VIEW OF VEHICLE

MFD. BY HONDA MFG. OF ALABAMA, LLC 10/15
GVWR 2650KG(5842LBS) TIRE SIZE RIM SIZE
GAWR F 1295KG(2855LBS) 245/60R18 105H 18X8.0J
GAWR R 1405KG(3098LBS) 245/60R18 105H 18X8.0J
THIS VEHICLE CONFORMS TO ALL APPLICABLE
FEDERAL MOTOR VEHICLE SAFETY
AND THEFT PREVENTION STANDARDS IN EFFECT
ON THE DATE OF MANUFACTURE SHOWN ABOVE.
V.I.N.: 5FNYF6H12GB032526 TYPE: MPV



TG7 G AE6 -NH797M -B -B

C20165300

2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.3
VEHICLE CERTIFICATION LABEL



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.4
VEHICLE TIRE INFORMATION LABEL



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.5
TIRE SHOWING MANUFACTURER, DOT AND SERIAL NUMBER



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.6
TIRE SHOWING MODEL, SIZE AND RATING



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.7
TIRE SHOWING PRESSURE AND LOAD RATING



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.8
RIM SHOWING MANUFACTURER



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.9
RIM SHOWING TPMS



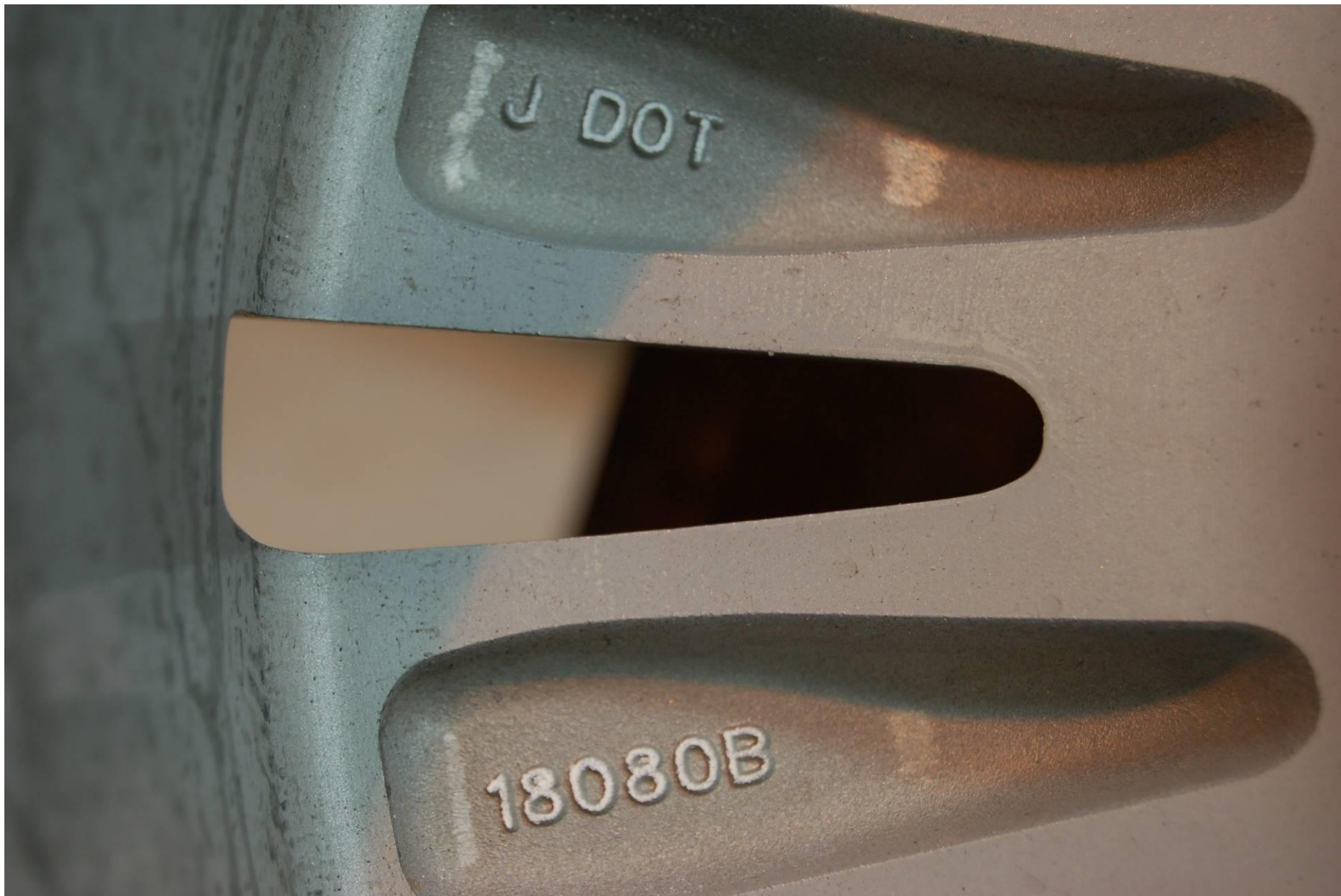
2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.10
RIM SHOWING SIZE



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.11
RIM SHOWING DATE CODE



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.12
RIM SHOWING DOT AND OTHER MARKINGS



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.13
RIM SHOWING OTHER MARKINGS



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.14
RIM SHOWING OTHER MARKINGS



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.15
RIM SHOWING CONTOUR



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.16
VIEW OF VEHICLE ON SCALES



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.17
FRONT SEAT BALLASTED FOR NORMAL LOAD



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.18
MID SEAT BALLASTED FOR NORMAL LOAD



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.19
MID SEAT BALLASTED FOR FULL LOAD



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.20
REAR SEAT BALLASTED FOR FULL LOAD



2016 HONDA PILOT MPV
NHTSA NO. C20165300
FMVSS NO. 110

FIGURE 5.21
CARGO BALLASTED FOR MAXIMUM LOAD

SECTION 6
OWNER'S MANUAL INFORMATION

Maximum Load Limit

Carrying too much cargo or improperly storing it can affect your vehicle's handling, stability, stopping distance, and tires, and make it unsafe.

Maximum Load for Your Vehicle

LX, EX, and EX-L with AWD

The maximum load for your vehicle is 1340 lbs (608 kg).

Touring and Elite with AWD

The maximum load for your vehicle is 1173 lbs (532 kg).

All other models

See the Tire and Loading Information label on the driver's doorjamb.

Label example

TIRE AND LOADING INFORMATION			
SEATING CAPACITY		TOTAL X; FRONT X; REAR X	
The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs.			
TIRE	SIZE	COLD TIRE PRESSURE	SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
FRONT	XXX/XXXX XXX	XXXKPA, XXPSI	
REAR	XXX/XXXX XXX	XXXKPA, XXPSI	
SPARE	XXX/XXXX XXX	XXXKPA, XXPSI	

WARNING

Overloading or improper loading can affect handling and stability and cause a crash in which you can be hurt or killed.

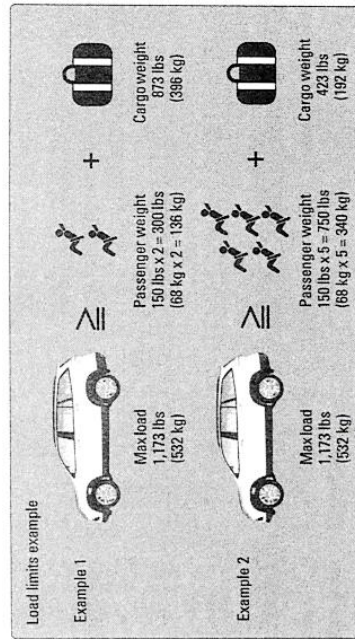
Follow all load limits and other loading guidelines in this guide.

The headlight aim on your vehicle was set by the factory, and does not need to be adjusted. However, if you regularly carry heavy items in the cargo area or tow a trailer, have the aiming readjusted at your dealer or by a qualified technician.

This figure includes the total weight of all occupants, cargo, and accessories, and the tongue load if you are towing a trailer. Below are the steps for determining the 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 1,400 lbs. and there will be five 150 lb. passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1,400 - 750 [5 x 150] = 650 lbs.)
5. Determine the combined weight of 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 the Owner's Manual on the Owner Information CD or at owners.honda.com (U.S.) or myhonda.ca (Canada) to determine how this reduces the available cargo and luggage load capacity of your vehicle.

In addition, the total weight of the vehicle, all occupants, accessories, cargo, and trailer tongue load must not exceed the Gross Vehicle Weight Rating (GVWR) or the Gross Axle Weight Rating (GAWR). Both are on a label on the driver's doorjamb.



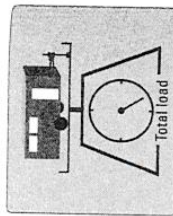
Towing a Trailer

Your vehicle can tow a trailer if you carefully observe the load limits, use the proper equipment, and follow the towing guidelines. See the Owner's Manual on the Owner Information CD or at owners.honda.com (U.S.) or www.myhonda.ca (Canada) for more information.

Towing Load Limits

Total trailer weight

Do not exceed the maximum allowable weight of the trailer, cargo, and everything in or on it shown in the table below. Towing loads in excess of this can seriously affect vehicle handling and performance and can damage the engine and drivetrain.



Number of occupants	AWD models with ATF cooler	AWD models without ATF cooler	2WD models
2	5,000 lbs (2,268 kg)	3,500 lbs (1,588 kg)	3,500 lbs (1,588 kg)
3	4,750 lbs (2,155 kg)	3,250 lbs (1,474 kg)	3,250 lbs (1,474 kg)
4	4,500 lbs (2,041 kg)	3,000 lbs (1,361 kg)	3,000 lbs (1,361 kg)
5	4,250 lbs (1,928 kg)	2,750 lbs (1,247 kg)	2,750 lbs (1,247 kg)
6	4,000 lbs (1,814 kg)	2,500 lbs (1,134 kg)	2,500 lbs (1,134 kg)
7	2,500 lbs (1,134 kg)	2,250 lbs (1,021 kg)	2,250 lbs (1,021 kg)
8	Towing not recommended		

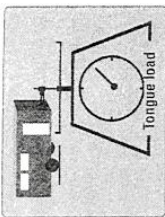
Each weight limit is calculated based on the following conditions:

- Occupants fill seats from the front of the vehicle to the back.
 - Each occupant weighs 150 lbs (68 kg).
 - Each occupant has 15 lbs (7 kg) of cargo in the cargo area.
- Any additional weight, cargo, or accessories reduce the maximum trailer weight and maximum tongue load.

Tongue load

The weight of the tongue with a fully loaded trailer on the hitch should be approximately:

- Boat trailers: 5 – 15% of the total trailer weight
- Other trailers: 10 – 15% of total trailer weight



Number of occupants	AWD models with ATF cooler	2WD models
2	500 lbs (227 kg)	350 lbs (159 kg)
3	475 lbs (215 kg)	325 lbs (147 kg)
4	450 lbs (204 kg)	300 lbs (136 kg)
5	375 lbs (170 kg)	275 lbs (125 kg)
6	250 lbs (113 kg)	240 lbs (109 kg)
7	125 lbs (57 kg)	115 lbs (52 kg)
8	Towing not recommended	

To estimate the tongue load

Excessive tongue load reduces front tire traction and steering control. Too little tongue load can make the trailer unstable and cause it to sway.

You can estimate the tongue load by measuring the trailer hitch height from the ground in the following steps:

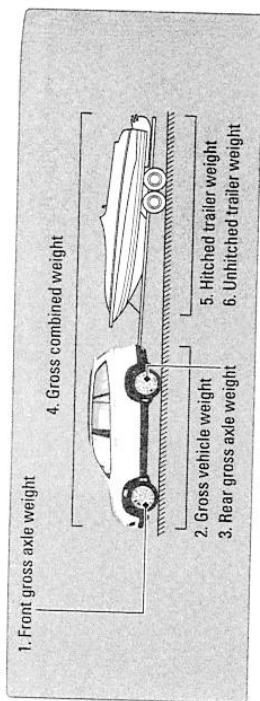
1. Park the vehicle on level ground.
2. Measure the distance between the ground and the bottom of the trailer hitch.
3. Connect the fully loaded trailer to the hitch.
4. Measure the distance between the ground and the bottom of the trailer hitch again.
5. Subtract the second measurement from the first measurement, then refer to the following table.

If the difference is	AWD models	2WD models
1 inches (2.5 cm)	150 lbs (68 kg)	
1 1/2 inches (3.8 cm)	250 lbs (114 kg)	
2 inches (5.1 cm)	350 lbs (159 kg)	
2 3/8 inches (6.0 cm)	450 lbs (205 kg)	
2 5/8 inches (6.7 cm)	500 lbs (227 kg)	

If the difference becomes more than indicated in the table, distribute the load or remove cargo as needed.

How to weigh the trailer loads using a public scale

Check each weight in the order indicated as shown. Refer to the table below for each weight's limit except for the tongue load.



- If you cannot weigh the rear axle, subtract 1 from 2.
- The maximum gross combined weight (4) decreases by 2% for every 1,000 feet (305 m) of elevation.
- To calculate the tongue load, subtract 5 from 6.
- Refer to the trailer owner's manual for additional information.

Fully load the vehicle and trailer. An attendant who watches the scale is needed as all occupants should stay in the vehicle.

If a public scale is not available, add the estimated weight of your cargo load to the weight of your trailer (as quoted by the manufacturer), and then measure the tongue load with an appropriate scale or tongue gauge or estimate it based on cargo distribution.

Weight limit for	2WD models	AWD models
Front gross axle	2,734 lbs (1,240 kg)	2,855 lbs (1,295 kg)
Gross vehicle	5,545 lbs (2,515 kg)	5,842 lbs (2,650 kg)
Rear gross axle	2,921 lbs (1,325 kg)	3,097 lbs (1,405 kg)
Gross combined	8,025 lbs (3,640 kg)	9,755 lbs (4,425 kg)

Pre-tow checklist

When preparing to tow, and before driving away, ensure the following:

- The vehicle has been properly serviced, and the suspension and the cooling system are in good operating condition.
- Avoid towing a trailer during your vehicle's first 600 miles (1,000 km).
- The trailer has been properly serviced and is in good condition.
- All weights and loads are within limits. Never exceed the gross weight ratings.
- Check if all loads are within limits at a public scale. If a public scale is not available, add the estimated weight of your cargo load to the weight of your trailer (as quoted by the manufacturer) and the tongue load.
- The hitch, safety chains, and any other attachments are secure.
- All items in or on the trailer are properly secured and cannot shift while you drive.

WARNING

Exceeding any load limit or improperly loading your vehicle and trailer can cause a crash in which you can be seriously hurt or killed.
Check the loading of your vehicle and trailer carefully before starting to drive.

Tire Information

To safely operate Your vehicle, your tires must be of the proper type and size, in good condition with adequate tread, and properly inflated.

Inflation Guidelines

- Properly inflated tires provide the best combination of handling, tread life, and comfort. Refer to the driver's doorjamb label or the specifications (see page 159) for the specified pressure.
- Underinflated tires wear unevenly, adversely affect handling and fuel economy, and are more likely to fail from overheating.
- Overinflated tires make your vehicle ride harshly, are more prone to road hazards, and wear unevenly.
- Every day before you drive, look at each of the tires. If one looks lower than the others, check the pressure with a tire gauge.
- Measure the air pressure when tires are cold. This means the vehicle has been parked for at least 3 hours, or driven less than 1 mile (1.6 km). If necessary, add or release air until the specified pressure is reached. If checked when hot, tire pressure can be as much as 4-6 psi (30-40 kPa, 0.3-0.5 kgf/cm²) higher than checked when cold.
- At least once a month or before long trips, use a gauge to measure the pressure in all tires, including the spare. Even tires in good condition can lose 1-2 psi (10-20 kPa, 0.1-0.2 kgf/cm²) per month.

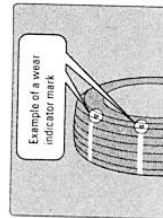
Inspection Guidelines

Every time you inflate the tires, check for the following:

- Any damage to tires, including bumps, bulges, cuts, splits, or cracks in the side or tread. Remove any foreign objects and inspect for air leaks. Replace tires if you see fabric or cord.
- Uneven or excessive tread wear. Have a dealer check the wheel alignment.
- Cracks or other damage around the valve stems.

Wear Indicators

The groove where the wear indicator is located is 1/16 inch (1.6 mm) shallower than elsewhere on the tire. If the tread has worn so low that the indicator is exposed, replace the tire. **Worn out tires have poor traction on wet roads.**

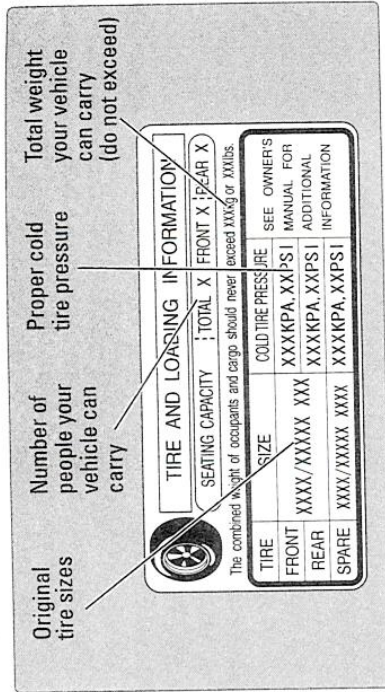


WARNING

Using tires that are excessively worn or improperly inflated can cause a crash in which you can be seriously hurt or killed. Follow all instructions in this owner's manual regarding tire inflation and maintenance.

Tire and Loading Information Label

The label attached to the driver's doorjamb provides necessary tire and loading information.



Tire and Wheel Replacement

Replace your tires with radials of the same size, load range, speed rating, and maximum cold tire pressure rating (as shown on the tire's sidewall). Using tires of a different size or construction can cause certain vehicle systems to work incorrectly. It is best to replace all four tires at the same time. If that isn't possible, replace the front or rear tires in pairs.

If you change or replace a wheel, make sure that the wheel's specifications match those of the original wheels. Only use TPMS-specified wheels approved for your vehicle.

WARNING

Installing improper tires on your vehicle can affect handling and stability. This can cause a crash in which you can be seriously hurt or killed. Always use the size and type of tires recommended in the Owner's Manual.

Tire Service Life

The life of your tires is dependent on many factors, including driving habits, road conditions, vehicle loading, inflation pressure, maintenance history, speed, and environmental conditions (even when the tires are not in use).

In addition to regular inspections and inflation pressure maintenance, it is recommended that you have annual inspections performed once the tires reach five years old. All tires, including the spare, should be removed from service after 10 years from the date of manufacture, regardless of their condition or state of wear.

Winter Tires

If driving on snowy or frozen roads, mount all season tires marked "M+S", snow tires, or tire chains; reduce speed; and maintain sufficient distance between vehicles when driving. For winter tires, select the size and load ranges that are the same as the original tires, and mount them to all four wheels.

Tire Chains

Install tire chains on the front tires only. Because your vehicle has limited tire clearance, we strongly recommend using the following chains: **Cable type: SCC Cable Chain ZT735**. Mount chains as tightly as you can, and make sure that they do not touch the brake lines or suspension.

NOTICE

Traction devices that are the wrong size or improperly installed can damage your vehicle's brake lines, suspension, body, and wheels. Stop driving if they are hitting any part of the vehicle.

WARNING

Using the wrong chains, or not properly installing chains, can damage the brake lines and cause a crash in which you can be seriously injured or killed. Follow all instructions in this guide regarding the selection and use of tire chains.

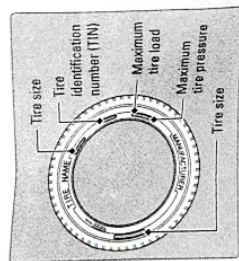
Tire Labeling

The tires that came on your vehicle have a number of markings. Those you should be aware of are described below.

Here is an example of what each marking means:

P235/60R18 102V

- P: vehicle type (P indicates passenger vehicle)
- 235: tire width in millimeters
- 60: aspect ratio (tire section height as a percentage of its width)
- R: tire construction code (radial)
- 18: rim diameter in inches
- 102: load index (code indicating maximum load tire can carry)
- V: speed symbol (code indicating maximum speed rating)



Tire Identification Number (TIN)

The tire identification number (TIN) is a group of numbers and letters that look like the example below. TIN is located on the sidewall of the tire.

DOT B97R FW6X 2209

DOT: This indicates that the tire meets all requirements of the U.S. Department of Transportation.

B97R: Manufacturer's identification mark

FW6X: Tire type code

22 09: Date of Transportation

Year Week

Glossary of Tire Terminology

Cold Tire Pressure – The tire air pressure when the vehicle has been parked for at least three hours or driven less than 1 mile (1.6 km).

Load Rating – The maximum load that a tire is rated to carry for a given inflation pressure.

Maximum Inflation Pressure – The maximum tire air pressure that the tire can hold.

Maximum Load Rating – The load rating for a tire at the maximum permissible inflation pressure for that tire.

Recommended Inflation Pressure – The cold tire inflation pressure recommended by the manufacturer.

Treadwear Indicators (TWI) – The projections within the principal grooves designed to give a visual indication of the degrees of wear of the tread.

DOT Tire Quality Grading

The tires on your vehicle meet all U.S. Federal Safety Requirements. All tires are also graded for treadwear, traction, and temperature performance according to Department of Transportation (DOT) standards. The following explains these gradings.

Uniform Tire Quality Grading

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width.

For example:

Treadwear 200

Traction AA

Temperature A

All passenger car tires must conform to Federal Safety Requirements in addition to these grades.

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 1/2) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices, and differences in road characteristics and climate.

Traction

The traction grades, from highest to lowest, are AA, A, B, and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

WARNING: The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

WARNING: The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.