

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

KIA MOTORS MANUFACTURING GEORGIA, INC.
2020 KIA TELLURIDE LX
MPV
NHTSA NO. C20204207

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



OCTOBER 22, 2019

FINAL REPORT

PREPARED FOR

U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
NEF-200
OFFICE OF VEHICLE SAFETY COMPLIANCE
1200 NEW JERSEY AVENUE, SE
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SECTION 1

INTRODUCTION

1.1 PURPOSE OF COMPLIANCE TEST

A 2020 Kia Telluride LX MPV was tested to determine if the vehicle was in compliance with the requirements of FMVSS 110. All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Test Procedure, TP-110T-03, dated November 1, 2012.

This standard establishes requirements to ensure that applicable vehicles are equipped with tires of adequate size and load rating and rims of appropriate size and type designation. This standard also establishes location, content, and format requirements for the Vehicle Placard and optional Tire Inflation Pressure Label.

1.2 TEST VEHICLE

The test vehicle was a 2020 Kia Telluride LX MPV Nomenclatures applicable to the test vehicle are:

- A. Vehicle Identification Number: 5XYP2DHC2LG038634
- B. NHTSA Number: C20204207
- C. Manufacturer: Kia Motors Manufacturing Georgia, Inc.
- D. Manufacture Date: 08/2019

1.3 TEST DATE

The test vehicle was tested October 9 thru October 17, 2019.

SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.1 TEST PROCEDURE

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 NHTSA/OVSC Test Procedure. Tire sidewall information was recorded. The owner's manual was reviewed. Pertinent information from the tire and rim was photographed.

Subsequent events included weighing the vehicle to establish delivered Unloaded Vehicle Weight and the distribution of weight on the front and rear axles and each wheel position. The vehicle was ballasted to its Normal Load, Full Occupant Load, and Maximum Vehicle Load weight. At each step of the ballasting procedure, data was recorded. Ballast was photographically documented for Normal, Full, and Maximum Vehicle Load weight. The vehicle maximum load on each wheel was measured. Data from each tire furnished with the vehicle were recorded. Tire size information was taken from vehicle certification label and vehicle placard. The right front wheel was removed from the vehicle and the tire was dismounted from the rim. The rim was measured from flange to flange, and rim markings were photographically documented. The 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 tire loading, and on general tire and loading parameters. Rim retention testing was not performed on the vehicle.

2.2 SUMMARY OF RESULTS

The 2020 Kia Telluride LX test vehicle appears to be in compliance with the FMVSS 110 requirements tested.

SECTION 3

TEST DATA

DATA SUMMARY SHEET (1 of 2)

VEHICLE MAKE/MODEL/BODY STYLE: 2020 Kia Telluride LX

VEHICLE NHTSA NUMBER: C20204207 VIN: 5XYP2DHC2LG038634

VEHICLE TYPE: MPV DATE OF MANUFACTURE: 08/2019

LABORATORY: U.S. DOT San Angelo Test Facility

LIGHT TRUCK TYPE VEHICLE REQUIREMENTS

PASS/FAIL

General (Data Sheet 2)

The vehicle must be 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 tire's 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 de-rated 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

Rim (Data Sheet 3)

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

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

PASS

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

**See
Remarks**

DATA SUMMARY SHEET (2 of 2)

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

The placard and tire inflation pressure label (if provided) are affixed and located correctly, and display the information and format required. (S110, S4.3)

PASS

The Part 567 certification label shows the size designation of the tires and 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

REMARKS: The rim retention test required by FMVSS No.110, paragraph S4.4.1(b)
was not executed on the subject 2020 Kia Telluride LX.

RECORDED BY: Anthony Walden & Tommy Oliver

DATE: October 17, 2019

APPROVED BY: Kerrin Bressant

TEST VEHICLE INFORMATION DATA SHEET 1

VEHICLE MAKE/MODEL/BODY STYLE: 2020 Kia Telluride LX MPV

VEHICLE NHTSA NUMBER: C20204207 TEST DATE: October 16, 2019

VIN: 5XYP2DHC2LG038634 MANUFACTURE DATE: 08/2019

GVWR: (2,683 kg), 5,917 lbs. GAWR(front): (1,340 kg), 2,954 lbs.

GAWR(rear): (1,450 kg), 3,196 lbs.

SEATING POSITIONS: TOTAL 8 FRONT 2 REAR 6

ODOMETER READING AT START OF TEST: 71 km (17 mi)

ENGINE DATA: 6 Cylinders 3.8 Liters Cubic Inches

TRANSMISSION DATA: X Automatic Manual 8 Number of Speeds

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

INSTALLED VEHICLE EQUIPMENT:

X	Power Windows	X	Blind Spot Monitoring		Block Heater
X	Power Door Locks		Running Boards		Remote Start
X	Power Seat(s)		Heated Mirrors	X	Other:
X	Navigation System	X	Floor/Trunk Mats		Forward Collision Avoidance
X	Satellite Radio	X	Bluetooth		Lane Keeping Assist
	Sun Roof or T-Top		Heated/Cooled Seats		Rear Cross-Traffic Collision Avoidance
X	Cruise Control		Cargo Net/Luggage Compartment Cover		Rear Occupant Alert w/ Ultrasonic Sensors
X	Splash Guards	X	Upgraded Wheel Package		Safe Exit Assist
	Roof Rack		Trailer Hitch/Tow Package		Wheel Locks
X	Backup Camera		Grill Upgrade		

Does vehicle labeling identify optional and accessory equipment installed by the distributor and/or dealer: () YES (X) NO

REMARKS: None

RECORDED BY: Anthony Walden & Tommy Oliver DATE: October 9, 2019

APPROVED BY: Kerrin Bressant

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

VEHICLE MAKE/MODEL/BODY STYLE: 2020 Kia Telluride LX MPV

VEHICLE NHTSA NUMBER: C20204207 VIN: 5XYP2DHC2LG038634

LABORATORY: U.S. DOT San Angelo Test Facility TEST DATE: October 10, 2019

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 () N/A

Tire Sidewall	Right Front	Left Rear (If different)	Spare Tire (If different)
Manufacturer and Model	<u>Micheline Primacy Tour</u>	<u></u>	<u>Kuhmo</u>
Tire Size Designation	<u>245/60R18</u>	<u></u>	<u>T155/90R18</u>
Load Index/Speed Symbol	<u>105 H</u>	<u></u>	<u>113 M</u>
Maximum Inflation Pressure	<u>300 kPa, 44 psi</u>	<u></u>	<u>420 kPa, 60 psi</u>
Maximum Load Rating	<u>925 kg, 2,039 lbs.</u>	<u></u>	<u>1,150 kg, 2,535 lbs.</u>
Tread/Traction/Temperature	<u>540 / A / A</u>	<u></u>	<u>N/A</u>
Tires Have "DOT" Markings	<u>Yes</u>	<u></u>	<u>Yes</u>

DOT Number: Right Front M34A01FX2119 Left Front M34A01FX2119
 Right Rear M34A01FX1919 Left Rear M34A01FX2119
 Spare H21TYA3F2219

**VEHICLE TIRE IDENTIFICATION AND LOAD LIMITS
DATA SHEET 2 (2 of 2)**

MOUNTED TIRE VS. AXLE RATING COMPARISON (at sidewall maximum inflation pressure)		
	FRONT AXLE	REAR AXLE
A. GAWR from certification label	(1,340 kg), 2,954 lbs.	(1,450 kg), 3,196 lbs.
B. Tire Maximum Load Rating from tire sidewall	925 kg	925 kg
C. Reduced tire load rating if applicable*	841 kg	841 kg
D. (No. of tires on axle) x (Tire load rating de-rated if appropriate)	1,682 kg	1,682 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 (MPV or SUV), truck, or bus, the tire's load rating is reduced by dividing by 1.10.

DATA INDICATES COMPLIANCE:

PASS/FAIL: PASS

REMARKS: Certification label only shows load value in lbs., GAWR values were converted to kg.

RECORDED BY: Anthony Walden & Tommy Oliver

DATE: October 10, 2019

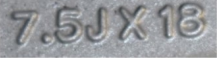
APPROVED BY: Kerrin Bressant

VEHICLE RIM IDENTIFICATION DATA SHEET 3

VEHICLE MAKE/MODEL/BODY STYLE: 2020 Kia Telluride LX MPV

VEHICLE NHTSA NUMBER: C20204207 VIN: 5XYP2DHC2LG038634

LABORATORY: U.S. DOT San Angelo Test Facility TEST DATE: October 10, 2019

Rim Markings	RIGHT FRONT	LEFT REAR (if different)
A. Source of published dimensions (letter designation)	E	
B. Rim Size Designation		
C. Does rim contain DOT symbol?	Yes	
D. Manufacturer's name, symbol or trademark		
E. Date of manufacture or symbol		
Do items A-C appear on outward (see Remarks) side of rim?	Yes	
Letter height (not less than 3 mm)	5.0 mm	
Lettering (impressed or embossed)	Both	
Are all rim markings legible?	Yes	
Do all markings comply with requirements?	Yes	

Rim Measurements	RIGHT FRONT	
Rim width	7.5 in	(190.5 mm)
Rim diameter	18 in	(457.2 mm)
Rim measurements same as rim markings?	Yes	

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

Reference source used for tire/rim match verification:

2018 The European Tyre and Rim Technical Organisation

DATA INDICATES COMPLIANCE:

PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Anthony Walden & Tommy Oliver

DATE: October 10, 2019

APPROVED BY: Kerrin Bressant

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

VEHICLE MAKE/MODEL/BODY STYLE: 2020 Kia Telluride LX MPV

VEHICLE NHTSA NUMBER: C20204207 VIN: 5XYP2DHC2LG038634

LABORATORY: U.S. DOT San Angelo Test Facility TEST DATE: October 10, 2019

Identification of Vehicle Labeling

	Yes/No	Location	PASS/FAIL
1. Monroney Label	<u>Yes</u>	<u>Included, but not affixed</u>	<u>Not Applicable</u>
2. Certification Label*	<u>Yes</u>	<u>Driver's side B pillar</u>	<u>Not Applicable</u>
3. Alterer's Label (if attached)	<u>No</u>	<u></u>	<u>Not Applicable</u>
4. Vehicle Placard*	<u>Yes</u>	<u>Driver's side B pillar</u>	<u>PASS</u>
5. Tire Inflation Pressure Label* (if attached)	<u>No</u>	<u></u>	<u></u>
6. Load Carrying Capacity Modification Label* (if attached)	<u>No</u>	<u></u>	<u></u>
7. Dealer/Distributor Optional Equipment Added Label (if attached)	<u>No</u>	<u></u>	<u>Not Applicable</u>

* Labels must be located as specified in section 13.4 of test procedure.

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

Vehicle Placard

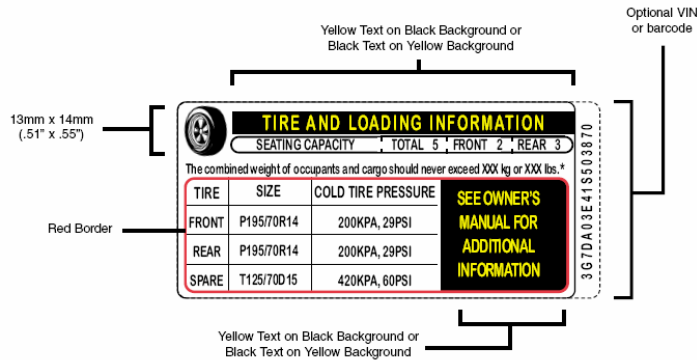


FIGURE 1
(70 FR 14425)

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

Vehicle Placard, Tire Inflation Pressure Label (if attached) **and Load Carrying Capacity Modification Label** (if attached) are permanently affixed: (X) YES () NO () N/A

Vehicle Placard Information:

Combined weight of occupants and cargo 600 kg

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

Is the tire size and pressure provided? (X) YES () NO

Tire Information:

Tire Size:

245/60R18

245/60R18

Cold Tire Inflation Pressure:

240 kPa, 35 psi

240 kPa, 35 psi

Are the sizes of the installed tires the same as the sizes of the vehicle labeled tires? (X) YES () NO

Is the vehicle labeled cold tire inflation pressure equal to or less than the sidewall labeled maximum cold tire inflation pressure?

Front axle tires: (X) YES () NO Rear axle tires: (X) YES () NO

**VEHICLE PLACARD AND TIRE INFLATION PRESSURE LABEL, AND OTHER LABELS
DATA SHEET 4 (3 of 4)**

Vehicle Certification Label information:

	Tire Size	Rim Size Designation	Rim Suitable for Tire? *
Front Axle	<u>245/60R18</u>	<u>18x7.5J</u>	<u>Yes</u>
Rear Axle	<u>245/60R18</u>	<u>18x7.5J</u>	<u>Yes</u>

*Referenced source used for tire/rim match verification:

2018 The European Tyre and Rim Technical Organisation

Load Carrying Capacity Modification Label information:

Is there a Load Carrying Capacity Modification label? () YES (X) NO

Monroney Label information:

Tire Size: Front N/A Rear N/A

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

**VEHICLE PLACARD AND TIRE INFLATION PRESSURE LABEL, AND OTHER LABELS
DATA SHEET 4 (4 of 4)**

LABELED TIRE CAPACITY AT SPECIFIED PRESSURE <u>(240 kPa)</u>		
GVWR <u>(2,684 kg), 5,917 lbs.</u>	FRONT AXLE	REAR AXLE
A. GAWR from certification label	(1,340 kg), 2,954 lbs.	(1,450 kg), 3,196 lbs.
B. Tire load rating of labeled tire size at labeled inflation pressure*	895 kg	895 kg
C. Reduced tire load rating if applicable**	814 kg	814 kg
D. (No. of tires) x (Tire load rating de-rated if appropriate)	1,628 kg	1,628 kg
Is "D" equal to or greater than "A"?	Yes	Yes

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

Reference source used for determining load rating:

2018 The European Tyre and Rim Technical Organisation

DATA INDICATES COMPLIANCE:

PASS/FAIL: PASS

REMARKS: Certification label only shows load values in lbs., GAWR values were converted to kg.

RECORDED BY: Anthony Walden & Tommy Oliver

DATE: October 10, 2019

APPROVED BY: Kerrin Bressant

**CURB WEIGHT, NORMAL LOAD WEIGHT, FULL LOAD WEIGHT,
AND MAXIMUM VEHICLE LOAD WEIGHT
DATA SHEET 5 (1 of 4)**

VEHICLE MAKE/MODEL/BODY STYLE: 2020 Kia Telluride LX MPV

VEHICLE NHTSA NUMBER: C20204207 VIN: 5XYP2DHC2LG038634

LABORATORY: U.S. DOT San Angelo Test Facility TEST DATE: October 16, 2019

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

* Engine oil, transmission oil, engine coolant, brake fluid, power steering fluid, & windshield washer fluid

Tire Pressures: LF 240.0 kPa LR 240.0 kPa
(cold, prior to loading vehicle) RF 240.0 kPa RR 240.0 kPa

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

LF 539.5 kg LR 433.0 kg
RF 547.5 kg RR 406.5 kg
Front Axle 1,087.0 kg Rear Axle 839.5 kg
Total Vehicle 1,926.5kg

B. MEASURED VEHICLE NORMAL LOAD WEIGHT

(1) Seating Capacity from Vehicle Placard: 8

(2) Normal Load Number of Occupants: 3

Occupant Distribution: Front 2 Rear 1

(3) Total Normal Occupant Load: 204 kg
[# of occupants x 68 KG per occupant]

(4) Measured Normal Load on Axles:

LF 590.0 kg LR 485.0 kg
RF 598.0 kg RR 457.5 kg
Front Axle 1,188.0 kg Rear Axle 942.5 kg
Total Vehicle 2,130.5 kg

**CURB WEIGHT, NORMAL LOAD WEIGHT, FULL LOAD WEIGHT,
AND MAXIMUM VEHICLE LOAD WEIGHT
DATA SHEET 5 (2 of 4)**

- (5) Calculated Vehicle Normal Load on the Tire

Front Tires [measured front axle normal load/2] = 594.0 kg

Rear Tires [measured rear axle normal load/2] = 471.25 kg

- (6) Measured Normal Load on Tire vs. Value of 94% of Load Rating for that Tire at vehicle manufacturer's recommended cold inflation pressure

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)	594.0 kg	471.25 kg
B. Tire load rating of installed tire size at recommended inflation pressure*	895 kg	895 kg
C. Tire De-Rated (if necessary) - (B.)/(1.10)**	814 kg	814 kg
D. Adjusted Load Rating (94% of tire load rating) - (C.)x(.94) OR (B.)x(.94) (if tire NOT de-rated)	765 kg	765 kg
Is "D" equal to or greater than "A"?	Yes	Yes

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

Reference source used for determining load rating:

2018 The European Tyre and Rim Technical Organisation

Vehicle Normal Load on the tire is not greater than 94% of the Recommended Cold Inflation Load Rating.

PASS/FAIL

Front Tires	<u>PASS</u>
Rear Tires	<u>PASS</u>

**CURB WEIGHT, NORMAL LOAD WEIGHT, FULL LOAD WEIGHT,
AND MAXIMUM VEHICLE LOAD WEIGHT
DATA SHEET 5 (3 of 4)**

C. MEASURED VEHICLE WEIGHT WITH FULL OCCUPANT LOAD

Seating Capacity: Total 8 Front 2 Rear 6

Full Occupant Load 544 kg
[# of occupants x 68 KG per adult occupant]

LF	<u> 606.0 kg </u>	LR	<u> 640.5 kg </u>
RF	<u> 614.5 kg </u>	RR	<u> 609.5 kg </u>
Front Axle	<u> 1,220.5 kg </u>	Rear Axle	<u> 1,250.0 kg </u>
Total Vehicle <u> 2,470.5 kg </u>			

D. MEASURED MAXIMUM VEHICLE LOAD WEIGHT

- | | | |
|-----|--|-------------------|
| (1) | Vehicle Capacity Weight (from placard) | <u> 600 kg </u> |
| (2) | Full Occupant Load (from C. above) | <u> 544 kg </u> |
| (3) | Luggage/Cargo Load (subtract (2) from (1)) | <u> 56 kg </u> |
| (4) | Measured Vehicle Maximum Load on Axles | |

LF	<u> 600.0 kg </u>	LR	<u> 674.0 kg </u>
RF	<u> 607.5 kg </u>	RR	<u> 645.0 kg </u>
Front Axle	<u> 1,207.5kg </u>	Rear Axle	<u> 1,319.0 kg </u>
Total Vehicle <u> 2,526.5 kg </u>			

**CURB WEIGHT, NORMAL LOAD WEIGHT, FULL LOAD WEIGHT,
AND MAXIMUM VEHICLE LOAD WEIGHT
DATA SHEET 5 (4 of 4)**

VEHICLE WEIGHT DISTRIBUTION TABLE

ITEM	Tire or Vehicle Rating*	Unloaded Vehicle Weight		Vehicle Weight with Normal Occupant Load		Vehicle Weight with Full Occupant Load		Vehicle Maximum Weight with Occupants and Cargo	
		Measured	Over-load	Measured	Over-load	Measured	Over-load	Measured	Over-load
Left Front Tire (kg)	814	539.5		590.0		606.0		600.0	
Right Front Tire (kg)	814	547.5		598.0		614.5		607.5	
Front Axle (GAWR) (kg)	1,340	1,087.0		1,188.0		1,220.5		1,207.5	
Front Tire Average Load (kg)**				594.0				603.75	
Left Rear Tire (kg)	814	433.0		485.0		640.5		674.0	
Right Rear Tire (kg)	814	406.5		457.5		609.5		645.0	
Rear Axle (GAWR) (kg)	1,450	839.5		942.5		1,250.0		1,319.0	
Rear Tire Average Load (kg)**				471.25				659.5	
Total Vehicle (GVWR) (kg)	2,684	1,926.5		2,130.5		2,470.5		2,526.5	

*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 Association reference manual.

** These rows contain the measured front or rear axle load/2.

DATA INDICATES COMPLIANCE:

PASS/FAIL: PASS

REMARKS: None

RECORDED BY: Anthony Walden & Tommy Oliver

DATE: October 16, 2019

APPROVED BY: Kerrin Bressant

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

VEHICLE MAKE/MODEL/BODY STYLE: 2020 Kia Telluride LX MPV

VEHICLE NHTSA NO. C20204207 VIN: 5XYP2DHC2LG038634

LABORATORY: U.S. DOT San Angelo Test Facility TEST DATE: October 9, 2019

Owner's Manual Discusses (See Remarks):

Part 575.6(a) Paragraph	Required Discussion Topic	Discussed in Manual? (YES/NO)	Page Numbers (Tire Information Supplement)
(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	7-36 thru 7-39
(4)(ii)	(A) Description and explanation of recommended cold tire inflation pressure.	YES	7-32
	(B) Description and explanation of FMVSS 110 Vehicle Placard and Tire Inflation Pressure Label and their location(s).	YES	5-158, 8-9
	(C) Description and explanation of adverse safety consequences of under-inflation including tire failure.	YES	7-32
	(D) Description and explanation for measuring and adjusting air pressure to achieve proper inflation.	YES	7-33
(4)(iii)	Glossary of tire terminology, including "cold tire pressure," maximum inflation pressure," and "recommended inflation pressure," and all non-technical terms defined in S3 of FMVSS 110 & 139.	YES	7-39 thru 7-42
(4)(iv)	Tire care, including maintenance and safety practices.	YES	7-36
(4)(v)	(A) Description and explanation of locating and understanding load limit information, total load capacity, seating capacity, towing capacity, and cargo capacity.	YES	5-158 thru 5-163
	(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	5-160, 5-161
	(C) Description and explanation for determining compatibility of tire and vehicle load capabilities.	YES	5-163
	(D) Description and explanation of adverse safety consequences of overloading on handling and stopping and on tires.	YES	5-162

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

The following statement, in the English language, is provided verbatim in the Owner's Manual. Reference Part 575.6(a)(5) YES (☒) NO (☐) Page(s): 5-160

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: Load values in Step 4 are listed in both pounds and kilograms (lbs. & kg).

RECORDED BY: Anthony Walden & Tommy Oliver

DATE: October 9, 2019

APPROVED BY: Kerrin Bressant

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- 23746	10/25/2018	10/25/2019
AIR PRESSURE GAUGE	ASHCROFT GENERAL PURPOSE DIGITAL GAUGE	MODEL # DG2551L2NAM02L 100#-XCA, SERIAL # 3093017001	12/13/2018	12/13/2019
DIGITAL LEVEL	STABIL A TYPE 196- 2E 48	SERIAL #37948	11/15/2018	11/15/2019

SECTION 5
PHOTOGRAPHS



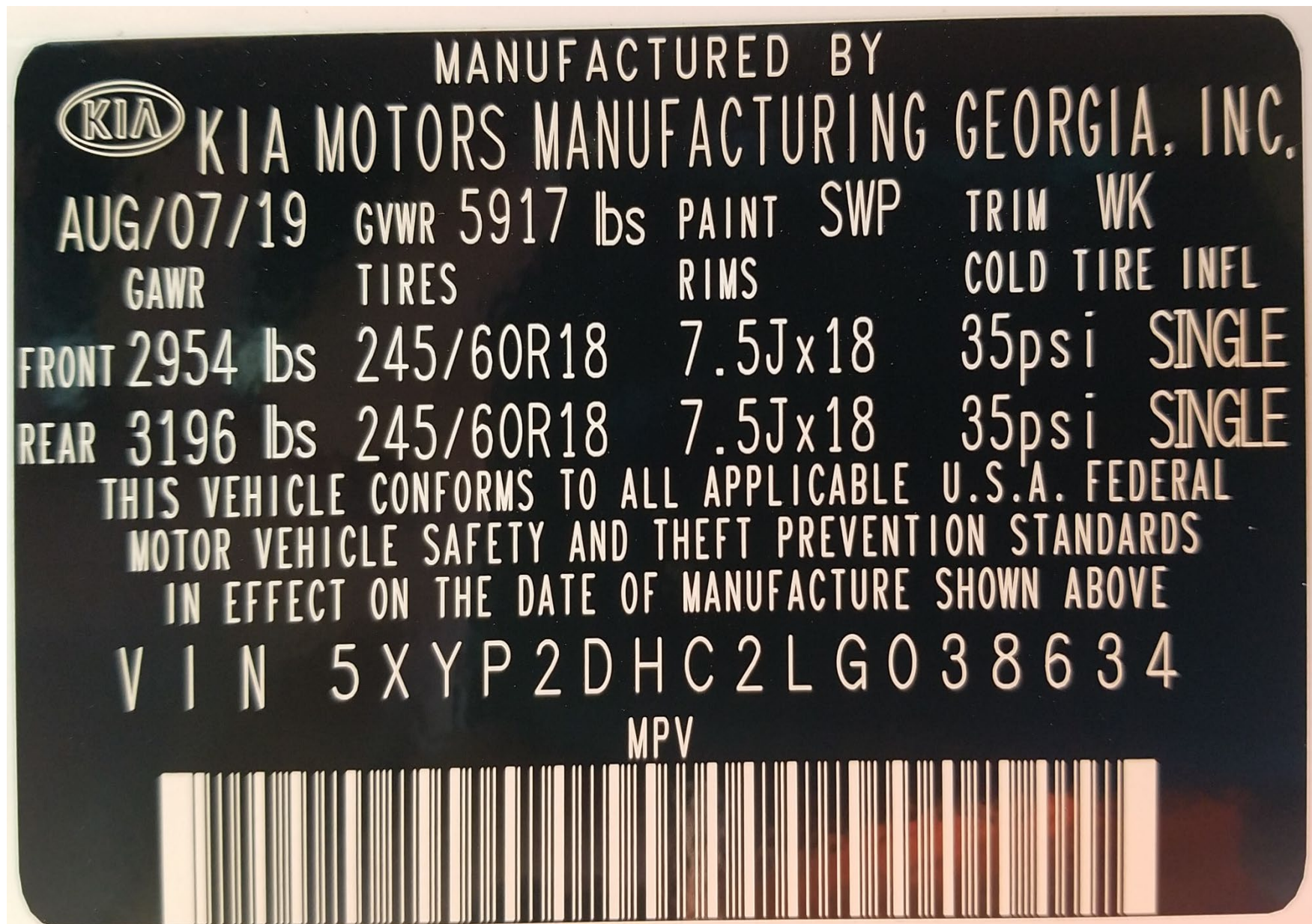
2020 KIA TELLURIDE LX
NHTSA NO. C20204207
FMVSS NO. 110

FIGURE 5.1
THREE-QUARTER FRONT VIEW FROM LEFT SIDE OF VEHICLE



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FIGURE 5.2
THREE-QUARTER REAR VIEW FROM RIGHT SIDE OF VEHICLE



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FIGURE 5.3
VEHICLE CERTIFICATION LABEL



TIRE AND LOADING INFORMATION RENSEIGNEMENTS SUR LES PNEUS ET LE CHARGEMENT

SEATING CAPACITY NOMBRE DE PLACES	TOTAL 8	FRONT AVANT 2	REAR ARRIÈRE 6
--------------------------------------	---------	------------------	-------------------

The combined weight of occupants and cargo should never exceed 600 kg or 1323 lbs.
Le poids total des occupants et du chargement ne doit jamais dépasser 600 kg ou 1323 lb.

TIRE PNEU	SIZE DIMENSIONS	COLD TIRE PRESSURE PRESSION DES PNEUS À FROID	SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION VOIR LE MANUEL DE L'USAGER POUR PLUS DE RENSEIGNEMENTS
FRONT AVANT	245/60R18	240kPa, 35psi	
REAR ARRIÈRE	245/60R18	240kPa, 35psi	
SPARE DE SECOURS	T155/90R18	420kPa, 60psi	

2020 TELLURIDE LX V6 AWD

MODEL/OPT.CODE: J4422 / 010
EXTERIOR COLOR: SNOW WHITE PEARL
INTERIOR COLOR: BLACK
VEHICLE ID NUMBER: 5XYP2DHC2LG038634
PORT OF ENTRY: WEST POINT

Sold To: NY022

Northtown Kia

3900 SHERIDAN DRIVE

AMHERST NY 14226

Ship To: NY022

STANDARD FEATURES

MECHANICAL
3.8L Gas Direct Injection (GDI) 6-Cyl Engine
8-Speed Automatic Transmission
Active On-Demand All Wheel Drive
18" Alloy Wheels
SAFETY
Dual Front Advanced Airbags
Dual Front Seat-Mounted Side & Full-Length Curtain Airbags
Electronic Stability Control (ESC)
Vehicle Stability Management (VSM)
Tire Pressure Monitoring System (TPMS)
INTERIOR, COMFORT & CONVENIENCE
SOFINO Leatherette Seat Trim
Blind-Spot Collision-Avoidance Assist-Rear (BCA-R)
Rear Cross-Traffic Collision-Avoidance Assist (RCCA)
Forward Collision Avoidance Assist (FCA)
Lane Keeping Assist (LKA)
Parking Distance Warning-Reverse (PDW-R)
Smart Cruise Control w/ Stop & Go (SCC w/ S&G)
Rear Occupant Alert w/ Ultrasonic Sensors (ROA)
Safe Exit Assist (SEA)
Smart Key with Push Button Start
UVO link¹
¹Includes 1 year service; see owners.kia.com for details
- IMPORTANT No Support for Remote Climate Control
AM/FM w/ 8" Touchscreen & Rearview Camera
Android Auto & Apple CarPlay Smartphone Integration
SIRIUSXM[®] w/free 3-mo. subscription*
1 USB Input Jack and 5 USB Charging Ports
Bluetooth[®] Wireless Technology
60/40 Split Folding 2nd Row Seats, which includes:
- One-Touch Slide & Fold 2nd Row Seats
60/40 Split Folding 3rd Row Seats
Leather-Wrapped Steering Wheel w/ Remote Controls
EXTERIOR
Acoustic Front Windshield
Heated Outside Mirrors w/ Turn Signal Indicators
Rear Privacy Glass
WARRANTY
10 Year/100,000 Mile Limited Powertrain Warranty
5 Year/60,000 Mile Limited Basic Warranty
5 Year/60,000 Mile Roadside Assistance
*Ask dealer for details

MANUFACTURER'S SUGGESTED RETAIL PRICE ▶

\$ 33,690.00

ADDITIONAL INSTALLED EQUIPMENT:
(In addition to or in place of standard features)
Snow White Pearl Paint
Wheel Locks

\$395.00

\$60.00

MSRP INCLUDING OPTIONS

\$ 34,145.00

INLAND FREIGHT AND HANDLING

\$ 1,045.00

TOTAL MANUFACTURER'S SUGGESTED RETAIL PRICE ▶

\$ 35,190.00

TOTAL ADDITIONAL WEIGHT: 0.8

EPA DOT

Fuel Economy and Environment

Gasoline Vehicle

Fuel Economy

21 MPG
combined city/hwy

19 city

24 highway

4.8 gallons per 100 miles

STANDARD SUVs range from 13 to 93 MPG. The best vehicle rates 136 MPGe.

You spend **\$2,250** more in fuel costs over 5 years compared to the average new vehicle.

Annual fuel cost **\$1,950**

Fuel Economy & Greenhouse Gas Rating (tailpipe only)

Smog Rating (tailpipe only)

This vehicle emits 426 grams CO₂ per mile. The best emits 0 grams per mile (tailpipe only). Producing and distributing fuel also create emissions; learn more at fueleconomy.gov.

fueleconomy.gov
Calculate personalized estimates and compare vehicles

GOVERNMENT 5-STAR SAFETY RATINGS

PARTS CONTENT INFORMATION

Overall Vehicle Score Not Rated
Based on the combined rating of frontal, side and rollover. Should ONLY be compared to other vehicles of similar size and weight.

Frontal Driver Not Rated
Crash Passenger Not Rated
Based on the risk of injury in a frontal impact. Should ONLY be compared to other vehicles of similar size and weight.

Side Front seat Not Rated
Crash Rear seat Not Rated
Star ratings based on the risk of injury in a side impact.

Rollover Not Rated
Star ratings based on the risk of rollover in a single-vehicle crash.

Star ratings range from 1 to 5 stars (★★★★★) with 5 being the highest.
Source: National Highway Traffic Safety Administration (NHTSA).
www.safercar.gov or 1-888-327-4236

FOR VEHICLES IN THIS CAR LINE U.S./CANADIAN PARTS CONTENT: 51 %
MAJOR SOURCES OF FOREIGN PARTS: KOREA: 49%
NOTE: PARTS CONTENT DOES NOT INCLUDE FINAL ASSEMBLY, DISTRIBUTION, OR OTHER NON-PARTS COSTS.
FOR THIS VEHICLE FINAL ASSEMBLY POINT: WEST POINT, GA, USA
COUNTRY OF ORIGIN: KOREA
ENGINE: KOREA
TRANSMISSION: USA

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FIGURE 5.5
VEHICLE MONRONEY LABEL

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FIGURE 5.6
TIRE SHOWING MANUFACTURER



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FIGURE 5.7
TIRE SHOWING MODEL



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



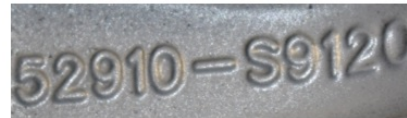
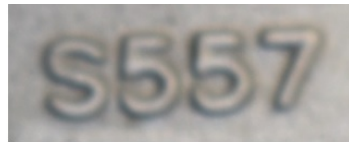
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FIGURE 5.9
TIRE SHOWING MAX LOAD RATING AND MAX INFLATION PRESSURE



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FIGURE 5.10
TIRE SHOWING SERIAL NUMBER



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FIGURE 5.11
RIM SHOWING RIM SIZE WITH FLANGE DESIGNATION,
MANUFACTURER SYMBOL, DATE OF MANUFACTURE SYMBOL,
LETTER DESIGNATION FOR SOURCE OF PUBLISHED DIMENSIONS,
AND ADDITIONAL RIM MARKINGS



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FIGURE 5.12
RIM SHOWING RIM CONTOUR FOR
FULL WIDTH OF CROSS SECTION



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FIGURE 5.13
VEHICLE FRONT DRIVER AND PASSENGER SEATS BALLASTED
FOR NORMAL, FULL, AND MAXIMUM LOADS



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



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FIGURE 5.15
VEHICLE REAR SEATS BALLASTED FOR
NORMAL, FULL, AND MAXIMUM LOADS



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FIGURE 5.16
VEHICLE CARGO AREA BALLASTED FOR MAXIMUM LOAD



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FMVSS NO. 110

FIGURE 5.17
VEHICLE ON WEIGHT SCALES