

2015 LINCOLN NAVIGATOR

TECHNICAL SPECIFICATIONS

BODY

Navigator and Navigator L

Construction	Steel body on fully boxed frame
Final assembly location	Kentucky Truck Plant, Louisville, Kentucky

ENGINE

Type	3.5-liter EcoBoost® V6
Production location	Cleveland Engine Plant
Configuration	60-degree V6
Intake manifold	Composite
Exhaust manifold	High Silicon Moly
Crankshaft	Forged steel
Redline	6,100 rpm
Throttle body	Electric
Valvetrain	Twin independent variable camshaft timing (Ti-VCT), dual overhead camshaft (DOHC)
Valve diameter	37 mm intake/31 mm exhaust
Pistons	Hypereutectic aluminum with steel ring carrier and machined dome
Connecting rods	Powder metal
Ignition	High output coil on plug
Bore x stroke	92.5 x 86.7 mm
Displacement	3,496 cc
Compression ratio	10:1
Horsepower	380 @ 5,250 rpm*
Horsepower per liter	108.5
Torque	460 lb.-ft. @ 2,750 rpm*
Recommended fuel	Premium recommended, regular capable, unleaded
Fuel injection	Direct injection
Emission control	Closed loop with catalyst
Emissions (tailpipe/evaporation)	Tier 2, Bin 5/LEV II–ULEV II
Oil capacity	6.5 quarts
Recommended oil	SAE 5W30 GF4
Coolant capacity	18.4 quarts
Exhaust	Single with chrome exhaust tip

DRIVETRAIN

Layout	Rear- or four-wheel drive
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TRANSMISSION

Transaxle type	Six-speed SelectShift® automatic transmission
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GEAR RATIOS

Second	2.34:1
Third	1.52:1
Fourth	1.14:1
Fifth	0.87:1
Sixth	0.69:1
Reverse	3.40:1

*Using 93-octane fuel.

For more information, contact Sam Locricchio at 313.845.8675 or slocric1@lincoln.com.



THE LINCOLN MOTOR COMPANY

REAR-AXLE RATIO

	Navigator	Navigator L
Standard	3.73:1	4.10:1
Optional	4.10:1	N/A

CHASSIS

Front suspension	Short- and long-arm (SLA) independent with coil-over shocks and stabilizer bar
Rear suspension	Independent multilink with coil-over shocks and stabilizer bar
Front shocks	Monotube dampers, standard; continuously controlled dampers, available
Rear shocks	Nivomat load-leveling dampers, standard; continuously controlled dampers, available
Front and rear brakes	Power four-wheel disc Anti-Lock Brake System (ABS)
Vehicle control	Traction control and AdvanceTrac® with Roll Stability Control™ (RSC®), Hill Descent Control™ and hill start assist

STEERING

Type	Variable-assist power rack-and-pinion, standard; electric power-assisted, available
Steering column	Manual tilt and telescoping
Ratio	14.8:1
Turns, lock-to-lock	2.7
Turning circle, curb-to-curb	39 ft.

WHEELS AND TIRES

Wheel sizes and types	20-in. polished aluminum (standard)
	20-in. dark finish (optional)
	22-in. polished aluminum (optional)

DIMENSIONS (in. unless otherwise noted)

	Navigator	Navigator L
Exterior		
Wheelbase	119.0	131.0
Overall length	207.4	222.3
Overall height	78.1	78.0
Overall width (excluding mirrors)	78.8	78.8
Overall width (including mirrors)	91.8	91.8
Overall width (with mirrors folded)	79.7	79.7
Front track	67.0	67.0
Rear track	67.2	67.2
Front overhang	39.8	39.8
Rear overhang	48.7	51.5
Approach angle 4x2/4x4	22.0 degrees	22.1 degrees
Departure angle 4x2/4x4	21.3 degrees	20.3 degrees
Ramp breakover angle 4x2	18.3 degrees	16.2 degrees
Ramp breakover angle 4x4	16.6 degrees	15.7 degrees
Minimum running ground clearance 4x2	8.4	8.4
Minimum running ground clearance 4x4	8.1	8.1

Interior Head Room

First row	39.5	39.5
Second row	39.7	39.7
Third row	37.6	38.0

Interior Leg Room

First row, maximum	43.0	43.0
Second row	39.1	39.1
Third row	37.7	37.7

DIMENSIONS (in. unless otherwise noted)

	Navigator	Navigator L
Interior Shoulder Room		
First row	63.3	63.3
Second row	63.7	63.7
Third row	51.9	67.1
Interior Hip Room		
First row	60.2	60.2
Second row	59.9	59.9
Third row	50.1	51.8

WEIGHTS AND CAPACITIES

Maximum seating capacity	8 people	8 people
Passenger volume	159.5 cu. ft.	159.5 cu. ft.
Cargo Volume (cu. ft.)		
Behind third row	18.1	42.6
Behind second row	54.4	86.3
Behind first row	103.3	128.2
Fuel Capacity (gallons)	28.0	33.5
Base Curb Weight (lbs.)		
4x2	5,830	6,061
4x4	6,069	6,297
Maximum Towing Capacity (lbs. when properly equipped)		
4x2	9,000	8,500
4x4	8,600	8,300
Maximum Payload (lbs.)		
4x2	1,560	1,570
4x4	1,470	1,540
Weight Distribution (lbs. front/rear)		
4x2	49/51	49/51
4x4	50/50	50/50

FUEL ECONOMY

EPA-estimated rating. Actual mileage will vary.

4x2, 3.5-liter EcoBoost®	16 city/22 hwy/18 combined mpg	15 city/20 hwy/17 combined mpg
4x4, 3.5-liter EcoBoost	15 city/20 hwy/17 combined mpg	15 city/19 hwy/16 combined mpg