

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 |
|--------|---------------------------|

TRANSMISSION

| | |
|----------------|---|
| Transaxle type | Six-speed SelectShift® automatic transmission |
|----------------|---|

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 |