

LEGEND: S=Standard, O=Optional, P=Package, — = Not available

Complete package information is listed at the end of the Feature Availability section.

NOTE: Information shown is correct at time of publication, and is subject to change without notice.

## 2008 Dodge Nitro FEATURE AVAILABILITY

	SXT	SLT	R/T
<b>EXTERIOR</b>			
Badging			
4x4 (4WD only)	O	O	O
4.0-liter	—	—	S
Nitro	S	S	S
R/T	—	—	S
SLT	—	S	—
Colors			
Brilliant Black Clear Coat, Bright Silver Metallic Clear Coat, Electric Blue Pearl Coat, Inferno Red Crystal Pearl Coat, Stone White Clear Coat, Sunburst Orange Pearl Coat, Light Graystone Pearl Coat, Modern Blue Pearl Coat	O	O	O
Fascias—Front and rear			
Molded-in Dark Slate color	S	—	—
Body-color	P	S	S
Fender Flares			
Molded-in Dark Slate color	S	—	—
Body-color	P	S	S
Fog lamps	P	S	S
Glass			
Solar Control glass	S	—	—
Sunscreen, deep tinted	P	S	S
Windshield, tinted	S	S	S
Grille			
Bright	S	S	—
Body-color with chrome billets	—	—	S
Headlamps—Halogen	S	S	S
Mirrors			
Dual, power, foldaway	S	—	—
Dual, power, heated, foldaway	—	S	S
Molding			
Bodyside, molded-in-color Dark Slate	S	—	—
Bodyside, body-color	P	S	S
Rear window wiper/washer	S	S	S
Side roof rails	S	S	S
Sun roof—Power	O	O	O

	SXT	SLT	R/T
Windshield wipers—Variable speed intermittent	S	S	S
Legend: S = Standard O = Optional P = Available within package or group noted in parentheses			
O/P = Item is a free-standing option and also included in a package or group; — = means Not available			
<b>INTERIOR</b>			
Air Conditioning	S	S	S
Cargo Area			
Lamp	S	S	S
Reversible load floor	S	—	—
LOAD 'N GO™	—	S	S
Tie-Down Rail System	—	S	S
Consoles			
Floor	S	S	S
Overhead	—	S	S
Defroster—Rear window, electric	S	S	S
Door Locks—Speed-sensitive, power	S	S	S
Door Trim Panels			
Base	S	—	—
Premium	—	S	S
Floor Carpet	S	S	S
Floor Mats	O/P	S	S
Instrument Cluster			
Electronic Vehicle Information Center (EVIC)	—	S	S
Tachometer	S	S	S
Temperature, compass	P	S	S
Interior Colors			
Dark Khaki	O	—	—
Dark Slate Gray	O	—	O
Dark Khaki/Medium Khaki	—	O	—
Dark/Light Slate Gray	—	O	—
Interior Lighting			
Courtesy lamps	S	S	S
Map/dome reading lamps	S	S	S
Illuminated entry	S	S	S
Mirror—Rearview			
Day/night	S	—	—
Auto-dimming	—	S	S
Auto-dimming with microphone (with UConnect® Hands-free Communication System)	—	P	P
Power Outlets			

	SXT	SLT	R/T
12-volt, instrument panel	S	S	S
115-volt	P	S	S
<b>Seats</b>			
Cloth low-back front buckets	S	—	—
Premium cloth buckets with YES <sup>®</sup> Essentials seat fabric	—	S	S
Cloth seats with color-keyed insert (Electric Blue, Inferno Red, or Sunburst Orange)	—	—	O
Cloth seats, two-tone with logo	—	—	P
Front passenger, forward fold flat	S	S	S
Leather-trimmed front buckets (Includes heated front seats)	—	P	O
Manual seat adjustment	S	—	—
Power six-way adjustable driver's seat	—	S	S
Rear—60/40 folding split-recline rear bench	S	S	S
<b>Sound Systems/Navigation/Communication</b>			
AM/FM radio with CD player, MP3	S	S	S
AM/FM radio with six-disc CD/DVD, MP3	—	P	P
AM/FM radio with CD player, MP3, navigation	—	O	O
UConnect Hands-free Communication System	—	P	P
SIRIUS Satellite Radio	S	S	S
Four full-range speakers	S	S	S
MyGIG™ Multimedia Infotainment System with 20G Hard Disk Drive, GPS navigation, 6.5" color touch-screen display and eight amplified speakers plus sub-woofer	—	P	P
Steering wheel-mounted audio controls	—	S	S
Speed Control	O/P	S	S
Steering Column—Tilt	S	S	S
<b>Steering Wheel</b>			
Leather-wrapped	—	S	S
<b>Sun Visors</b>			
Sliding shaft	S	—	—
With illuminated vanity mirrors	P	S	S
<b>Upholstery, cloth</b>			
	S	S	S
<b>Windows</b>			
Power with driver one-touch	S	—	—
Power with driver one-touch up and down, passenger one-touch down	—	S	S
<b>POWERTRAIN AND CHASSIS</b>			
<b>Engines</b>			
3.7-liter SOHC V-6 with electronic throttle control	S	S	—
4.0-liter SOHC V-6 with electronic throttle control	—	—	S
<b>Transmissions</b>			

	SXT	SLT	R/T
Six-speed manual	S	—	—
Four-speed automatic	O	S	—
Five-speed automatic	—	—	S
<b>Axles</b>			
Dana 30/186 mm front axle (4WD only)	S	S	S
Corporate 8.25 rear axle	S	S	S
<b>Axle Ratio</b>			
3.73:1	O/P	S	—
3.21:1	S	—	—
3.55:1 (with five-speed automatic transmission)	—	—	S
<b>Brakes</b>			
Four-wheel Anti-lock Brake System (ABS)	S	S	S
Electronic Stability Program (ESP) with all-speed traction control and Brake Assist	S	S	S
Four-wheel-drive systems (Part-time)	O	O	O
Remote Start System	—	P	P
Steering—Power, rack and pinion	S	S	S
<b>Suspension</b>			
Front—New short- and long-arm (SLA)	S	S	S
Rear—New five-link	S	S	S
Sport	S	S	
Performance (with 20-inch wheels and tires only)	—	P	S
<b>Tires<sup>(a)</sup></b>			
P225/75R16 BSW all-season	S	—	—
P235/65R17 BSW all-season performance	P	S	—
P235/65R17 OWL performance	O	O	—
P245/50R20 VSB all-season performance	—	O	S
<b>Tires—Spare</b>			
Compact	S	S	S
Full-size	—	P	P
<b>Wheels</b>			
16" x 7" steel	S	—	—
16" x 6.5" aluminum	P	—	—
17" x 7" aluminum	O	S	S
17" x 7" aluminum chrome-clad	—	P	—
20" x 7.5" aluminum chrome-clad	—	O	S
(a) Another tire size or brand may also be used.			
<b>SAFETY AND SECURITY</b>			
LATCH (Lower Anchors and Tethers for Children)	S	S	S
<b>Door Locks</b>			

	<b>SXT</b>	<b>SLT</b>	<b>R/T</b>
Speed sensitive	S	S	S
ParkSense® Rear Back-up System	—	O/P	O/P
Remote Keyless Entry	S	S	S
<b>Restraint Systems</b>			
Air bags <sup>(a)</sup>			
Advanced multi-stage front	S	S	S
Supplemental side	S	S	S
Three-point seat belts <sup>(b)</sup>	S	S	S
Security Alarm	—	P	P
Sentry Key® Engine Immobilizer	S	S	S
<b>Tire Pressure Monitoring System</b>			
Warning	S	—	—
Display	—	S	S

(a) Certified to federal regulations that allow less forceful air bags. Always use seat belts. Remember, a back seat is the safest place for children.

(b) Always sit properly in the seat with the seat belt fastened. Always observe the passenger air bag indicator lamp to determine if the OCS classification is appropriate. Children 12 and under should always be in a back seat correctly using an infant or child restraint system or the seat belt positioned correctly for the child's age and weight.

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#### **EQUIPMENT GROUPS**

AM/FM CD MP3 Navigation Radio—Rear-view auto-dim mirror with microphone, SIRIUS Satellite Radio (next generation), UConnect Hands-free Communication System	—	O	O
Rear-Seat Video System—Gaming system, wireless headphones	—	O	O
Trailer Tow Group—Heavy-duty engine cooling, power steering cooler, Class III receiver hitch, four-pin connector wiring, full-size spare tire	O	O	O

## 2008 Dodge Nitro

# SPECIFICATIONS

All dimensions are in inches (millimeters) at curb weight with standard wheels and tires unless otherwise noted.

### GENERAL INFORMATION

Body Style	Four-door sport-utility
Construction	Steel Uniframe
Assembly Plant	Toledo North Assembly Plant, Toledo, Ohio
EPA Vehicle Class	Multi-purpose vehicle

### ENGINE: 3.7-LITER SOHC V-6

Availability	Nitro SXT and Nitro SLT
Type and Description	90° V-6, liquid-cooled w/balance shaft
Displacement	225.8 cu. in. (3700 cu. cm)
Bore x Stroke	3.66 x 3.57 (93.0 x 90.8)
Valve System	Chain-driven SOHC, 12 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Cast-iron block and bedplate, aluminum alloy heads, balance shaft
Compression Ratio	9.7:1
Power (SAE net)	210 hp (157 kW) @ 5,200 rpm
Torque (SAE net)	235 lb.-ft. (319 N•m) @ 4,000 rpm
Max. Engine Speed	6,000 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	5.0 qt. (3.7L) SAE 5W/20
Coolant Capacity	14.0 qt. (13.25L)
Emission Controls	Dual, mini-oxidation, three-way catalytic converters, quad heated oxygen sensors, EGR and internal engine features <sup>(a)</sup>
Alternator	160-amp
Battery	600 CCA, maintenance-free
Estimated 2008 EPA Fuel Economy mpg (City/Hwy)	
Four-speed Automatic Transmission, 2WD	16/22
Four-speed Automatic Transmission, 4WD	15/21
Six-speed Manual Transmission, 2WD & 4WD	16/22

(a) Meets ULEV II emission standard in all 50 states.

### ENGINE: 4.0-LITER SOHC V-6

Availability	Standard on Nitro R/T
Type and Description	60-degree bank angle, liquid-cooled, with three-plenum intake manifold,

electronically-controlled manifold tuning valve and short-runner valves

Displacement	241.2 cu. in. (3952 cu. cm)
Bore x Stroke	3.78 x 3.58 (96 x 91)
Valve System	SOHC, 24 valves, hydraulic, center-pivot roller rocker arms
Fuel Injection	Sequential, multi-port, electronic
Construction	Semi-permanent molded aluminum block with cast-in iron liners and cast-aluminum heads
Compression Ratio	10.3:1
Power (SAE net, estimated)	260 hp (194 kW) @ 6,000 rpm
Torque (SAE net, estimated)	265 lb.-ft. (359 N•m) @ 4,200 rpm
Max. Engine Speed	6,000 rpm (electronically limited)
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2—preferred, unleaded regular, 87 octane (R+M)/2—acceptable
Oil Capacity	6 qt. (4.0L) SAE 10W-30 with dry filter
Coolant Capacity	14.3 qt. (13.5L)
Emission Controls	Maniverter three-way catalytic converters, quad-heated oxygen sensors and internal engine features <sup>(a)</sup>
Alternator	160-amp
Battery	600 CCA, maintenance-free
Estimated 2008 EPA Fuel Economy mpg (City/Hwy)	
Five-speed Automatic Transmission, 2WD	16/21
Five-speed Automatic Transmission, 4WD	15/20

(a) Meets Federal Tier 2, Bin 8 emissions requirements; marketed in California as an ULEV1 (Ultra-Low Emission Vehicle) under cleanest vehicle rules.

#### **TRANSMISSION: NSG 370 MANUAL SIX-SPEED OVERDRIVE**

Availability	Standard on SXT with 3.7-liter SOHC V-6
Description	Synchronized in all forward gears and reverse, multi-rail shift system with top-mounted shift lever
Clutch	Hydraulic actuation, dual mass flywheel system
Gear Ratios	
1 <sup>st</sup>	4.46
2 <sup>nd</sup>	2.61
3 <sup>rd</sup>	1.72
4 <sup>th</sup>	1.25
5 <sup>th</sup>	1.0
6 <sup>th</sup>	0.84
Reverse	4.06
Axle	3.21 with 3.7-liter SOHC V-6
Overall Top Gear	2.69 with 3.7-liter SOHC V-6

**TRANSMISSION: 42RL6 – AUTOMATIC FOUR-SPEED OVERDRIVE**

Availability	Standard on SLT and optional on SXT with 3.7-liter SOHC V-6
Description	Adaptive electronic control, electronically modulated torque converter clutch
<b>Gear Ratios</b>	
1 <sup>st</sup>	2.84
2 <sup>nd</sup>	1.57
3 <sup>rd</sup>	1.0
4 <sup>th</sup>	0.69
Reverse	2.21
Axle Ratio	3.73
Overall Top Gear	2.57

**TRANSMISSION: W5A580 – AUTOMATIC FIVE-SPEED OVERDRIVE**

Availability	Standard on 4.0-liter SOHC V-6
Description	Adaptive electronic control, and electronically modulated torque converter clutch
<b>Gear Ratios</b>	
1 <sup>st</sup>	3.59
2 <sup>nd</sup>	2.19
3 <sup>rd</sup>	1.41
4 <sup>th</sup>	1.0
5 <sup>th</sup>	0.83
Reverse	3.16
Axle	3.55 with 4.0-liter SOHC V-6
Overall Top Gear	2.95 with 4.0-liter SOHC V-6

**TRANSFER CASE: MP 143 GII SINGLE-SPEED**

Availability	Included on 4WD with manual transmission
Type	Part-time, electronically shifted
Operating Ranges	2WD, 4WD lock, electronically controlled
Center Differential Type	N/A
Torque Split, F/R	50/50

**ELECTRICAL SYSTEM**

Alternator	160-amp
Battery	600-amp, maintenance-free

**DIMENSIONS AND CAPACITIES**

Wheelbase	108.8 (2763.0)
Track, Front	61.0 (1549.4)
Track, Rear	61.0 (1549.4)

Overall Length	178.9 (4544.0)
Overall Width	73.1 (1856.9)
Overall Height	69.9 (1775.8)
Approach Angle	25.6°
Breakover Angle	22.0°
Departure Angle	26.7°
Aero Cd <sup>A</sup>	11.6
Aero Cd	0.38
Fuel Tank Capacity	19.5 gal. (73.8L)
Maximum Payload, lbs. (kg), Includes Occupants and Cargo	1,150 lbs. (590 kg)
Towing Capacities, lbs. (kg)	
All models equipped with a Class II Trailer Hitch	2,000 (907)
3.7-liter and 4.0-liter engine, manual or automatic transmission with trailer tow group	3,500 (1588)
3.7-liter and 4.0-liter engine, manual or automatic transmission with trailer tow group and weight distributing hitch	5,000 (2268)
Weights, curb, base vehicle, lbs. (kg)	
3.7-liter Gasoline Engine, 2WD	Nitro SXT, manual transmission—3931.9 (1783.5) Nitro SLT, automatic transmission—3982.4 (1806.4)
3.7-liter Gasoline Engine, 4WD	Nitro SXT, manual transmission—4105.3 (1862.2) Nitro SLT, automatic transmission—4161.8 (1887.8)
4.0-liter Gasoline Engine, 2WD	Nitro R/T, automatic transmission—3971.3 (1801.4)
4.0-liter Gasoline Engine, 4WD	Nitro R/T, automatic transmission—4150.9 (1882.8)

## ACCOMMODATIONS

Seating Capacity—F/R	2/3
Front Row	
Head Room	40.6 (1032.1)
Head Room with Sun Roof	38.3 (971.9)
Head Room with Open Roof	41.7 (1059.5)
Leg Room	40.8 (1036.4)
Shoulder Room	57.2 (1452.2)
Hip Room	56.8 (1443.9)
Seat Travel	9.0 (229.1)
Recliner Range, degrees	6.6° to 51.6°
Second Row	
Head Room	40.8 (1036.5)
Leg Room	37.7 (946.3)
Knee Clearance	2.1 (53.5)

Shoulder Room	56.4 (1433.4)
Hip Room	47.4 (1202.9)
<b>Cargo</b>	
Liftover Height	33.3 (847.3)
Minimum Cargo Width at Liftgate Opening	44.0 (1118.5)
Maximum Cargo Width at Liftgate Opening	46.5 (1182.2)
Minimum Cargo Height at Liftgate Opening	32.6 (827.4)
Maximum Cargo Height at Liftgate Opening	33.1 (841.6)
Distance Between Wheelhouse Interior Trim	40.5 (1028.4)
<b>Cargo Volume, cu. ft. (cu. M)</b>	
Behind Rear Seat	32.1 (0.9)
With Rear Seat Folded	65.2 (1.8)
With Front Passenger and Rear Seats Folded	75.6 (2.1)
SAE Interior Volume, Front	54.8 (1.55)
SAE Interior Volume, Rear	47.7 (2.35)

## **BODY/CHASSIS**

Layout	Longitudinal front engine, rear-wheel drive or four-wheel drive
Construction	Steel unibody

## **SUSPENSION**

Front	Upper and lower "A" arms, coil springs, low-pressure gas-charged shock absorbers, stabilizer bar
Rear	Live axle, upper and lower trailing arms, track bar, coil springs, stabilizer bar, low-pressure gas-charged shock absorbers

## **STEERING**

Type	Power rack and pinion
Overall Ratio	17.36:1
Turning Diameter (Curb-to-curb)	36.3 ft. (11.1 m)
Steering Turns (Lock-to-lock)	3.42

## **BRAKES**

Power Assist Type	8 x 9 (204 x 230) tandem-diaphragm vacuum
Four-Wheel Anti-lock Brake System (ABS)	Standard
Electronic Stability Program (ESP)	Standard
Parking Brake Type	Rear brake drum-in-hat

## Front

Size and Type	11.9 x 1.1 (302 x 28) vented rotor with 2.6 (66) single-piston floating caliper
Swept Area (total front)	190.8 sq. in. (1231.0 sq. cm)
Rear	
Size and Type	12.44 x 0.47 (316 x 12) solid rotor with 1.9 (48) single-piston floating caliper
Swept Area (total rear)	55.4 sq. in. (357.6 sq. cm)

## WHEELS

Type and Material	Painted steel, Sparkle Silver
Size	16-in. x 7-in.
Availability	Standard Nitro SXT
Type and Material	Painted cast-aluminum, Sparkle Silver
Size	16-in. x 6.5-in.
Availability	Optional Nitro SXT
Type and Material	Painted cast-aluminum, Sparkle Silver
Size	17-in. x 7-in.
Availability	Standard Nitro SLT, optional Nitro SXT
Type and Material	Chrome-clad cast-aluminum
Size	17-in. x 7-in.
Availability	Optional Nitro SLT
Type and Material	Chrome-clad cast-aluminum
Size	20-in. x 7.5-in.
Availability	Standard R/T Nitro, optional Nitro SLT

## TIRES

Size and Type	P225/75R16, all-season, black sidewall
Model	Goodyear Wrangler ST
Revs/Mile (Km)	715 (1151)
Availability	Standard Nitro SXT
Size and Type	P235/65R17, vertically serrated band
Model	Goodyear Wrangler HP
Revs/Mile (Km)	715 (1151)
Availability	Standard Nitro SLT, opt. Nitro SXT .
Size and Type	P235/65R17, outline white letters
Model	Goodyear Performance Wrangler HP
Revs/Mile (Km)	721 (1160)

Availability	Optional Nitro SLT
Size and Type	P245/50R20, all-season, black sidewall
Model	Goodyear Eagle HP
Revs/Mile (Km)	700 (1126)
Availability	Standard Nitro R/T, optional Nitro SLT