



Body Style: Sport-utility vehicle

Layout: Longitudinal front engine, 2WD or 4WD

Seat Layout: 2/3

EPA Vehicle Class:
Multi-purpose vehicle

Assembly: Toledo North
Assembly Plant, Toledo, OH

2010 DODGE NITRO IGNITES MID-SIZE SUV SEGMENT

Dodge Nitro is Dodge's first mid-size SUV. With its bold styling and aggressive stance, Dodge Nitro is unlike any other mid-size SUV in the marketplace. For 2010, Dodge will offer two models – Dodge Nitro SE and SXT.

New for 2010 is interactive Decel Fuel Shut Off (iDFSO). iDFSO turns off fuel during vehicle deceleration, which improves fuel economy. This feature, standard on 3.7- and 4.0-liter engines, improves fuel economy without any noticeable changes in engine performance. In addition, the new Fuel-saver indicator displays when the vehicle is driven in a fuel-efficient manner, providing drivers with continuous fuel-consumption feedback.

The standard 3.7-liter V-6 engine on the 2010 Dodge Nitro SE and SXT models produce 210 hp (157 kW) @ 5,200 rpm and 235 lb.-ft. (319 N•m) of torque @ 4,000 rpm. An exhaust-gas recirculation valve helps increase fuel economy.

The 4.0-liter V-6 engine is optional on Dodge Nitro SXT. The engine delivers 260 hp (194 kW) @ 6,000 rpm and 265 lb.-ft. (359 N•m) of torque @ 4,200 rpm.

The 2010 Dodge Nitro features a coil-spring independent front suspension and a five-link, coil-spring rear suspension. The independent front suspension gives the driver an optimum combination of ride, handling and steering, which provides a greater sense of control and precision. The solid five-link rear suspension, including upper and lower trailing links and track bar, provides higher lateral stiffness for vehicle responsiveness and outstanding handling.

A performance suspension is optional on Dodge Nitro SXT. This suspension emphasizes responsive, fun-to-drive handling accompanied by a firm ride.

Dodge Nitro features a part-time four-wheel-drive system. Two-wheel- and four-wheel-drive lock modes are electronically controlled by a switch in the center console, which may be selected at any time with the part-time four-wheel drive system.

From a safety standpoint, four-wheel-disc anti-lock brakes (ABS), Brake Assist, Electronic Stability Control (ESC), Brake Assist, Electronic-roll Mitigation (ERM) and All-speed traction control are standard.

MODELS / POWERTRAINS

MODEL	ENGINES		TRANSMISSIONS	
	3.7L V-6	4.0L V-6	4-SPEED AUTO (42RLE)	5-SPEED AUTO (W5A580)
SE	S	—	S	—
SXT	S	O	S	O*

* 4.0-liter only

NEW FOR 2010

- Interactive Decel Fuel Shut Off (iDFSO) with 3.7-liter and 4-speed transmission
- Fuel-saver with "ECO" lamp indicator in cluster
- Standard front-row Active Head Restraints
- Standard air filtration system
- Six speakers (SE and SXT)
- Power-heated manual folding mirrors (SE and SXT)
- New Premium cloth seat trim with stain-repel seat fabric (SE and SXT model)
- Available new leather seat trim (SXT model)
- Standard body-colored grille with bright billets, body-colored sills and front air dam (SXT model)
- Express-up front-passenger window (SXT model)
- Security alarm (SXT model)
- Light Sandstone Metallic replaces Light Graystone Pearl Coat exterior color
- New Pastel Pebble Beige interior (SXT)
- New Dark Pebble Beige interior (SE model)

SAFETY AND SECURITY

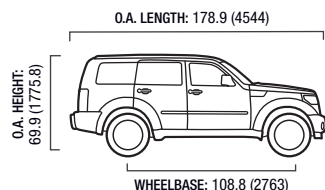
More than 25 advanced safety and security features including:

- Advanced Multi-stage Air Bags
- Anti-lock Brake System (ABS)
- Electronic-roll Mitigation (ERM)
- Electronic Stability Control (ESC)
- Brake Assist
- Interior Head-impact Protection
- ParkSense® rear-park assist system
- Supplemental Side-curtain Air Bags

FUEL ECONOMY (city/hwy)

3.7L SOHC V-6	4.0L SOHC V-6
16/22 – 2WD	16/21 – 2WD
15/21 – 4WD	16/20 – 4WD

DIMENSIONS, IN. (MM)



O.A. Width: 73.1 (1856.9)	Curb Wt. lb. (kg):
Track, Front: 61.0 (1549.4)	3,976 (1805) –
Track, Rear: 61.0 (1549.4)	4,210 (1911) varies

2010 DODGE NITRO AT A GLANCE

Bold, powerful, street-smart design statement ignites mid-size SUV segment

- Dodge Nitro's design is unlike any other mid-size SUV. Dodge Nitro's bold styling and aggressive stance make the vehicle stand out in a crowd
- Signature Dodge crosshair grille, high beltline and strong wheel forms establish the vehicle's confidence

Dodge Nitro is the first mid-size SUV for Dodge

- As the first mid-size SUV for the brand, Dodge Nitro personifies the bold, powerful and street-smart attitude of Dodge
- Dodge Nitro continues the brand's history of creating game-changing products and features

Five-passenger Dodge Nitro designed to attract customers seeking distinctive style, sporty performance and cargo flexibility

- The interior of the five-passenger Dodge Nitro is spacious, functional and flexible for people and cargo
- Dodge Nitro has innovative cargo seating flexibility and offers fold-flat front-passenger and second-row seats. Second-row seats recline for added passenger comfort
- Two Dodge Nitro models – Nitro SE and Nitro SXT
- Dodge Nitro SXT's optional 4.0-liter SOHC V-6 engine, performance suspension and 20-inch chrome-clad aluminum wheels and performance tires redefine the mid-size SUV driving experience
- Dodge Nitro has optional towing package capable of towing up to 5,000 lbs
- Options include power sun roof, leather seats, heated front seats, remote start, ParkSense® rear-park assist, Uconnect™ Phone, eight premium speakers, subwoofer and 368-watt amplifier, Uconnect Navigation

Excellent acceleration, braking and handling

- 2010 Dodge Nitro features a performance suspension for improved cornering and increased traction and an independent front and five-link rear suspension system
- Two V-6 engines are offered:
 - 3.7-liter SOHC V-6 delivers 210 hp (157 kW) @ 5,200 rpm and 235 lb.-ft. (360 N•m) of torque @ 4,000 rpm
 - 4.0-liter SOHC V-6 delivers 260 hp (194 kW) @ 6,000 rpm and 265 lb.-ft. (359 N•m) of torque @ 4,200 rpm
- Standard safety and security features include Anti-lock Brake System (ABS), Brake assist, all-speed traction control, Electronic Stability Control (ESC), Electronic-roll Mitigation (ERM), front-row active head restraints and front and side-curtain air bags
- The part time 4WD system operates in 2WD and 4WD lock. The 2WD position is for normal driving and achieves optimal fuel economy. It's front drive-shaft is disengaged from the transfer case and power is directed to the rear wheels. The 4WD lock position locks the front and rear wheels together and forces the front and rear wheels to rotate at the same speed. This position is intended for loose or slippery road surfaces only.

2010 DODGE NITRO SPECIFICATIONS

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

GENERAL INFORMATION

Body Style	Sport-utility vehicle
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 SE and Nitro SXT
Type and Description	90-degree 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, multiport, 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	Two mini-oxidation three-way catalytic converters, four heated oxygen sensors, EGR and internal engine features ^(a)
Alternator	140-amp
Battery	600 CCA, maintenance-free
Estimated 2010 EPA Fuel Economy mpg (City/Hwy)	16/22 – 2WD Four-speed Automatic Transmission 15/21 – 4WD Four-speed Automatic Transmission

^(a) Meets federal emission BIN5 standard and ULEV II standard for California emission states.

ENGINE: 4.0-LITER SOHC V-6

Availability	Optional SXT
Type and Description	60-degree bank angle, liquid-cooled, with three-plenum intake manifold, electronically controlled 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, multiport, 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

2010 DODGE NITRO SPECIFICATIONS

Coolant Capacity	14.3 qt. (13.5L)
Emission Controls	Maniverter three-way catalytic converters, quad-heated oxygen sensors and internal engine feature ^(a)
Alternator	140-amp
Battery	600 CCA, maintenance-free
Estimated 2009 EPA Fuel Economy mpg (City/Hwy)	16/21 – 2WD Five-speed Automatic Transmission 16/20 – 4WD Five-speed Automatic Transmission

^(a) Meets 50 State BIN5+ LEVII+ emission standard.

TRANSMISSION: 42RLE – AUTOMATIC FOUR-SPEED OVERDRIVE

Availability	Standard with 3.7-liter SOHC V-6
Description	Adaptive electronic control, electronically modulated torque converter clutch
Gear Ratios	
1st	2.84
2nd	1.57
3rd	1.0
4th	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, electronically modulated torque converter clutch
Gear Ratios	
1st	3.59
2nd	2.19
3rd	1.41
4th	1.0
5th	0.83
Reverse	3.16
Axle	3.21 with 4.0-liter SOHC V-6
Overall Top-gear	2.66 with 4.0-liter SOHC V-6

TRANSFER CASE: MP 143 GII SINGLE-SPEED

Availability	Included on 4WD
Type	Part-time, electronically shifted
Operating Ranges	2WD, 4WD lock, electronically controlled
Center Differential Type	None
Torque Split, F/R	50/50

ELECTRICAL SYSTEM

Alternator	140-amp
Battery	600-amp, maintenance-free

2010 DODGE NITRO SPECIFICATIONS

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 CdA	11.6
Aero Cd	0.38
Fuel-tank Capacity	19.5 gal. (73.8L)
Maximum Occupant and Cargo Weight	
16-inch tires only, lbs. (kg)	950 (431)
Maximum Occupant and Cargo Weight lbs. (kg)	1,150 (590)
Towing Capacities, lbs. (kg)	
3.7L and 4.0L models without Trailer-tow Group and equipped with aftermarket Class II type hitch	2,000 (907)
3.7-liter and 4.0-liter engine, with Trailer-tow Group and weight distributing hitch	5,000 (2268)
Weights, curb, base vehicle, lbs. (kg)	
3.7-liter gasoline engine, 2WD	Nitro SE/SXT, automatic transmission—3976 (1805)
3.7-liter gasoline engine, 4WD	Nitro SXT, automatic transmission—4139 (1879)
4.0-liter gasoline engine, 2WD	Nitro SXT, automatic transmission—4038 (1833)
4.0-liter gasoline engine, 4WD	Nitro SXT, automatic transmission—4210 (1911)

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°
SAE Interior volume, front	54.8 (1.55)
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)
Recliner Range	21.5° to 33.5°
SAE Interior volume, rear	47.7 (1.35)

2010 DODGE NITRO SPECIFICATIONS

Cargo

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)
Cargo Volume, cu. ft. (cu m)	
Behind Rear Seat	32.1 (0.9)
With Rear Seat Folded	64.7 (1.8)
With Front-passenger Seat and Rear Seats Folded	75.6 (2.1)

BODY/CHASSIS

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

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 absorber

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

Front	
Size and Type	11.9 x 1.1 (302 x 28) vented rotor with 2.6 (66) single-piston floating caliper
Swept Area (per caliper)	110.1 sq. in. (710.6 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 (per caliper)	103.5 sq. in. (668 sq. cm)
Power-assist Type	8 x 9 (204 x 230) tandem-diaphragm vacuum
Four-wheel Anti-lock Brake System (ABS)	Standard
Electronic Stability Control (ESC)	Standard
Parking-brake Type Control	Rear brake drum-in-hat

2010 DODGE NITRO SPECIFICATIONS

WHEELS

Availability	Standard on Nitro SE
Type and Material	Painted steel, Argent
Size	16 in. x 7 in.
Availability	Optional on Nitro SE
Type and Material	Painted cast-aluminum, Sparkle Silver
Size	17 in. x 7 in.
Availability	Standard on Nitro SXT
Type and Material	Painted cast-aluminum, Sparkle Silver
Size	17 in. x 7 in.
Availability	Optional on Nitro SXT
Type and Material	Chrome-clad cast-aluminum
Size	20 in. x 7.5 in.

TIRES

Availability	Standard on Nitro SE
Size and Type	P225/75R16 BSW, all-season
Model	Goodyear Wrangler ST
Revs per Mile (km)	715 (444)
Availability	Standard on Nitro SXT, Optional on Nitro SE
Size and Type	P235/65R17 BSW, Vertically Serrated Band
Model	Goodyear Wrangler HP
Revs per Mile (km)	723 (449)
Availability	Optional on Nitro SXT
Size and Type	P245/50R20 BSW, all-season
Model	Goodyear Wrangler HP
Revs per Mile (km)	700 (445)
Compact Spare	Standard on Nitro SE and SXT
Full-size Spare Tire and Steel Wheel	Available on Nitro SE and SXT

2010 DODGE NITRO FEATURE AVAILABILITY

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.

	SE	SXT
EXTERIOR		
Badging		
4x4 (4WD only)	O	O
4.0-liter	—	O
Nitro	S	S
SXT	—	S
Colors		
Brilliant Black Crystal Pearl Coat		
Bright Silver Metallic Clear Coat		
Deep Water Blue Pearl Coat		
Inferno Red Crystal Pearl Coat		
Stone White Clear Coat		
Light Sandstone Metallic		
Natural Green Pearl Coat (late availability)		
Dark Charcoal Pearl Coat (late availability)	O	O
Fascias—Front and rear		
Body-color	S	S
License Plate Brow		
Black Mold-in Color	S	—
Chromed	—	S
Front Air Dam		
Black	S	—
Painted Body Color	—	S
Side Sills		
Black Mold-in Color	S	—
Painted Body Color	—	S
Fender Flares		
Body-color	S	S
Fog Lamps		
	S	S
Glass		
Solar Control glass	S	—
Sunscreen, deep-tinted	O / P	S
Windshield, tinted	S	S
Grille		
Bright	S	—
Body-color with chromed billets	—	S
Headlamps—Halogen		
	S	S
Mirrors		
Dual, power, heated, fold-away	S	S
Molding		
Body-side, body-color	S	S
Rear window wiper/washer	S	S
Side Roof Rails	S	S
Sun Roof—Power	O	O
Windshield Wipers—Variable speed intermittent	S	S

2010 DODGE NITRO FEATURE AVAILABILITY

	SE	SXT
INTERIOR		
Air Filtration	S	S
Air Conditioning	S	S
Cargo Area		
Lamp	S	S
Reversible load floor	S	S
Cargo Tie-down	—	S
Consoles		
Floor (Full length console w/dual cupholders, arm rest, large storage bin with removable top tray and CD/DVD provisions)	S	S
Overhead	—	S
Defroster—Rear-window, electric	S	S
Door Locks—Speed-sensitive, power	S	S
Door—Trim Panels		
Base	S	—
Premium	—	S
Floor Carpet	S	S
Floor Mats	S	S
Fuel-saver Indicator		
ECO Mode in odometer	S	—
ECO on/off in EVIC	—	S
HomeLink universal transceiver	—	S
Instrument Cluster		
Electronic Vehicle Information Center (EVIC)	—	S
Tachometer	S	S
Temperature, compass	P	S
Interior Colors		
Dark Pebble Beige	0	—
Dark Slate Gray	0	—
Pastel Pebble Beige	—	0
Dark/Light Slate Gray	—	0
Interior Lighting		
Courtesy lamps	S	S
Map/dome reading lamps	S	S
Illuminated entry	S	S
Mirror—Rearview		
Day/night	S	—
Auto-dimming	—	S
Auto-dimming with microphone (with Uconnect Phone)	—	P
Power Outlets		
12-volt, instrument panel	S	S
Seats		
Two-Tone Premium cloth buckets with stain-repel seat fabric	S	S
Front passenger, forward fold flat	S	S
Leather-trimmed front buckets (Includes heated front)	—	P
Manual seat adjustment	S	—
Power six-way adjustable driver's	—	S
Rear—65/35 folding split-recline bench	S	S

2010 DODGE NITRO FEATURE AVAILABILITY

	SE	SXT
Sound Systems/Navigation/Communication		
AM/FM radio with CD player, MP3	S	S
AM/FM radio with six-disc CD/DVD, MP3	—	P
AM/FM radio with CD player, MP3, navigation	—	P
Uconnect Phone	—	P
SIRIUS Satellite Radio	S	S
Speakers		
Six full-range speakers	S	S
Eight Infinity Speakers, subwoofer and 368-watt amplifier	—	P
Steering-wheel-mounted audio controls	—	S
Speed Control	P	S
Steering Column—Tilt	S	S
Steering Wheel		
Urethane	S	—
Leather-wrapped	—	S
Sun Visors		
Sliding shaft	S	S
With illuminated vanity mirrors	P	S
Windows		
Power with driver one-touch	S	—
Power with driver and passenger one-touch up and down	—	S

POWERTRAIN AND CHASSIS

Engines		
3.7-liter SOHC V-6 with electronic throttle control	S	S
4.0-liter SOHC V-6 with electronic throttle control	—	0
Transmissions		
Four-speed automatic	S	S
Five-speed automatic with 4.0 L Engine	—	P
Axles		
Dana 30/186 mm front axle (4WD only)	P	P
Corporate 8.25 rear axle	S	S
Axle Ratio		
3.73:1 (with four -speed automatic transmission)	S	S
3.21:1 (with five-speed automatic transmission)	—	P
Brakes		
Four-wheel Anti-lock Brake System (ABS)	S	S
Electronic Stability Control (ESC) with all-speed traction control, Brake Assist and Electronic-roll Mitigation	S	S
Four-wheel-drive Systems (part-time)	0	0
Remote start	—	P
Steering—Power, rack-and-pinion	S	S
Suspension		
Front—New short- and long-arm (SLA)	S	S
Rear—New five-link	S	S
Sport	S	S
Performance (with 4.0L Engine)	—	P

2010 DODGE NITRO FEATURE AVAILABILITY

	SE	SXT
Tires^(a)		
P225/75R16 BSW all-season	S	—
P235/65R17 BSW all-season	P	S
P245/50R20 VSB all-season	—	P w/4.0L O w/3.7L
Tires—Spare		
Compact	S	S
Full-size with Steel Wheel	P	P
Wheels		
16-inch x 7-inch steel	S	—
17-inch x 7-inch aluminum	P	S
20-inch x 7.5-inch aluminum chrome-clad		P w/4.0L O w/3.7L

SAFETY AND SECURITY

BeltAlert	S	S
LATCH (Lower Anchors and Tethers for Children)	S	S
Door Locks		
Child protection, rear	S	S
Speed-sensitive	S	S
Enhanced Accident Response System (EARS)	S	S
ParkSense® rear-park assist system	—	P
Remote keyless entry	S	S
Restraint Systems		
Air bags^(a)		
Advanced multi-stage front with Occupant-classification System (OCS)	S	S
Supplemental side curtain	S	S
Three-point seat belts ^(b)	S	S
Active Front Row Head Restraints	S	S
Security Alarm	P	S
Sentry Key® engine immobilizer	S	S
Tire-pressure Monitoring		
Warning	S	—
Display	—	S

PACKAGES / EQUIPMENT GROUPS

Popular Equipment Group —Includes deep-tint glass, sun visors with illuminated vanity mirrors, compass, temperature, speed control, 17-inch painted aluminum wheels/P235/65R17 BSW all-season tires and security alarm	0	—
Leather Interior Group —Leather trimmed seating and heated front seats	—	0
Navigation Convenience Group —Uconnect Navigation, GPS, 6.5-inch color, touch-screen display, Uconnect Phone, eight Infinity® speakers, subwoofer and 368 watt amplifier and ParkSense® rear-park assist system	—	0
Trailer-tow Group —Includes heavy-duty engine cooling, power-steering cooler, Class III receiver hitch, four-pin connector wiring and full-size spare tire and steel wheel	0	0
Premium Sound Group —Includes eight Infinity® speakers, subwoofer, 368-watt amplifier and 6-disc CD player	—	0
Convenience Group —Includes ParkSense rear-park assist system, remote start, Uconnect Phone and eight Infinity® speakers, subwoofer and 368-watt amplifier	—	0

NOTES

Handwriting practice area with 20 sets of dotted lines.



NITRO