2011 Dodge Nitro (2011 model year production extended until December.) **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 (SUV)
Construction	Steel uniframe
Assembly Plant	Toledo North Assembly Plant, Toledo, Ohio
EPA Vehicle Class	Multi-purpose vehicle
Introduction Date	July 2006 as a 2007 model

ENGINE: 3.7-LITER SOHC V-6

Availability	Heat
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 2011 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	Heat, Detonator and Shock
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
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 EPA Fuel Economy mpg (City/Hwy)	16/21 – 2WD five-speed automatic transmission 16/21 – 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 Ratio	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

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	70.5 (1790.5)
Approach Angle	25.6°
Breakover Angle	22.0°
Departure Angle	27.6°
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 Heat, automatic transmission — 3976 (1805)
3.7-liter gasoline engine, 4WD	Nitro Heat, automatic transmission — 4139 (1879)
4.0-liter gasoline engine, 2WD	Nitro R/T, automatic transmission — 4038 (1833)
4.0-liter gasoline engine, 4WD	Nitro R/T, automatic transmission — 4210 (1911)

ACCOMMODATIONS

Seating Capacity — F/R	2/3
Front Row	
Head Room	40.6 (1032.1)
Head Room with sunroof	38.3 (971.9)
Head Room with open roof	41.7 (1059.5)
Legroom	40.8 (1036.4)
Shoulder Room	57.2 (1452.2)
Hip Room	56.1 (1426.0)
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)
Legroom	39.4 (1001.4)
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)
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	29.3 (0.83)
With Rear Seat Folded	68.7 (1.95)
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 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

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

WHEELS

Availability	Standard
Type and Material	Chrome-clad cast-aluminum
Size	20 in. x 7.5 in.

Availability	Optional on Heat
Type and Material	Painted cast-aluminum, Sparkle Silver
Size	20 in. x 7.5 in.

TIRES

Availability	Standard on all models
Size and Type	P245/50R20 BSW, all-season
Model	Goodyear Wrangler HP
Revs per Mile (km)	700 (445)
Full-size Spare Tire and Steel Wheel	Optional on all models

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