

## 2009 Nissan Pathfinder Specifications

*Specifications are based on latest product information available at the time of printing*

### ***Mechanical***

Engine	V6	V8
Name	VQ40	VK56
Cam design	DOHC	
Orientation	Longitudinal	
Cylinders / configuration	V6	V8
Block / head composition	Aluminum/aluminum	
Displacement (cc)	4.0L	5.6L
Horsepower	266 @ 5600 rpm	310 @ 5200 rpm
Torque (lb-ft)	288 @ 4000 rpm	388 @ 3400 rpm
Bore & stroke (mm)	95.5 x 92	98 x 92
Compression ratio (:1)	9.7	9.8
Spark plugs	Platinum-tipped	Double-tipped Iridium
Maximum engine speed	6,200 rpm	6,000 rpm
Induction system	Naturally aspirated, Nissan Variable Induction System	Naturally aspirated
Valvetrain	DOHC, Silent Chain, Two-Stage, 4-Valves per Cylinder	
Engine mounts	3 solid (non-fluid filled) mounts: 2 front, 1 rear	
Recommended fuel	Premium unleaded	
Emissions system	50 State ULEV	LEV
Exhaust	Single exit/main & post muffler	

Electrical	S	SE	LE	LE
		V6		V8
Ignition system	Electronic (direct ignition)			
Starter	12 volt			
Alternator	Amps	110	130	
Battery	GR24F-550			

Transmission and Drive System		S	SE V6	LE	LE V8
Drive configuration	RWD	S	S	S	-
	Part-time 4WD	O	O	-	
	Full-time 4WD	-	-	O	S
Transmission type		5-speed AT			
Gear ratio		<u>A/T</u>			<u>A/T</u>
1 <sup>st</sup>		3.841			3.827
2 <sup>nd</sup>		2.352			2.368
3 <sup>rd</sup>		1.529			1.520
4 <sup>th</sup>		1.000			1.000
5 <sup>th</sup>		0.839			0.834
6 <sup>th</sup>		-			-
Reverse		2.764			2.613
Final drive ratio (:1)		3.133			2.937
Transfer case gear ratio (:1)		High		TBD	
		Low		TBD	
Vehicle Dynamic Control (VDC)		S			

Brakes		S	SE V6	LE	LE V8
Standard					
Front	Type	Vented Disc			
Rotor size diameter and thickness (in.)		11.65 x 1.10			
Rear	Type	Vented Disc			
Rotor size diameter and thickness (in.)		12.12 x .70			
2- or 4-wheel limited slip		S			
Electronic Brake force Distribution		S			
Anti-lock Braking System (ABS)		S			
Number of wheels		4			
Parking brake	Type	Mechanical			
Location		Foot			

Steering					
Type	Engine speed-sensitive power rack-and-pinion				
Overall ratio (:1)	17				
Turns (lock-to-lock)	3.54				
Curb-to-curb turning diameter (ft.)	39 ft. 2 in. (4x2), 39 ft. 25in. (4x4)				
Manual Tilt Steering		S			
Steering wheel (3-spoke)	<u>S</u>	<u>SE</u>	<u>LE</u>		
Urethane	S	-	-		
Leather	O	S	S		
Audio Controls	O	S	S		
Heated	-	-	-		
Bluetooth®	-	-	-		
Cruise control	S	S	S		

<b>Suspension</b>	
Front Stabilizer bar	Independent double-wishbone with coil-over shocks S (33 mm V6, 34 mm V8)
Rear Stabilizer bar	Independent double-wishbone with coil on toe-control link S (25.4 mm)

<b>Body / Chassis</b>	
Type	Body-on-Frame (ladder-type)
Materials (primary)	Corrosion-resistant and high-strength steel
Skid plates	S (All trims)
Radiator	S (SE Off Road only)
Oil Pan	S (SE Off Road only)
Fuel Tank	S (SE Off Road only)
Transfer Case	S (SE Off Road only)
Tow hooks	1 in front S (SE, SE Off Road)

### **Exterior**

<b>Wheels &amp; Tires</b>	<b>S</b>	<b>V6 SE</b>	<b>LE</b>	<b>V8 LE</b>
<b>Wheels</b>				
16-inch aluminum-alloy (7.0JJ)	S		-	
17-inch aluminum-alloy (7.5JJ)	-	S		-
17-inch aluminum-alloy – Polished (7.5JJ)	-	O		-
18-inch aluminum-alloy – Polished (8.0JJ)		-		S
<b>Tires</b>				
P245/75R16 General Grabber BSW	S		-	
P265/65R17 OWL – BFGoodrich Long Trail	-	S		-
P265/60R18 BFGoodrich - BSW	-			S
Tire Pressure Monitoring System (TPMS) - Direct pressure measurement system			S	
Spare tire				Full-size steel

<b>Lights</b>	<b>S</b>	<b>V6 SE</b>	<b>LE</b>	<b>V8 LE</b>
<b>Headlights</b>				
Type			Halogen	
Auto On/Off (ambient light sensitive)	-	O		S
Halogen front fog lights	-		S	
Center high mount stop light Glass mounted			S	

Additional Exterior Features		V6			V8
		S	SE	LE	LE
Outside mirrors					
Type	Black dual	S	-		
	Body color	-	S		
Adjustment		Power			
Heated		-	O	S	
Body-colored bumpers		S			
Splash guards		-	S		
Step device		Running board			S
Chrome badging		S			
UV Cut Glass Windows		S			
Privacy glass		Rear door windows, rear quarter window fixed, liftgate window			
Wipers					
Front	Variable intermittent	S	-		
	Vehicle-speed intermittent	-	S		
Rear	Fixed intermittent	S			
Moonroof		One-touch power tilt/sliding glass w/ shade			O
Roof rack/rails		S			
Roof rack with cross bars		-	O	S	

### *Interior*

Seating		V6			V8
		S	SE	LE	LE
Capacity		7-passenger			
Materials	Cloth	S		-	
	Leather-appointed	-	O	S	
Front seats		Type			Bucket
Heated		Driver and passenger			S
Driver seat	8-way power	-			S
	Manual lumbar	S			
Passenger seat	4-way manual	S		-	
	4-way power	-	O	S	
Driver's seat auto entry/exit system		-			S
Driver's seat 2-driver memory		-			S
Seatback pockets		Driver side			
2 <sup>nd</sup> Row		Type			3-passenger, split bench (40/20/40)
Adjustments	Recline	S			
	Fold up into storage position	S			
Center pull-down armrest		-	S		
Head restraints - outboard		Height-adjustable detachable dual headrests			
3 <sup>rd</sup> Row		Type			50/50 split fold-flat
Head restraints		Dual height-adjustable headrests			

Audio	V6			V8
	S	SE	LE	LE
Head unit and speakers				
2-Din AM/FM CD	S	-		
2-Din AM/FM 6CD	-	S	-	
2-Din AM/FM 6CD Bose® w/ subwoofer	-	O	S	
Auxiliary Input Jack	-	S		
DVD navigation system with 7.0-inch screen	-		O	
Satellite Radio	-	S		
Pre-wire XM®	-	O	S	
Glass antenna w/ FM diversity	S			
Mobile entertainment system DVD player w/ 7.0-inch LCD screen	-	O		

Instrumentation	
Meters/gauges	
Speedometer – MPH main, KPH sub	Analog
Tachometer	Analog
Coolant temperature	Analog
Fuel level	Analog
Twin trip odometer	LCD digital
Clock	Digital

Comfort & Convenience Features	V6			V8
	S	SE	LE	LE
Cruise control w/ steering mounted controls	S			
Power windows	Driver/front passenger one-touch auto up/down with safety reverse			
Power door locks w/auto door lock function	Selective unlocking and anti-lockout			
Remote keyless entry system	S			
Center console	Dual-level w/ 12V outlet, CD/DVD case storage, 2 cup holders			
Overhead sunglass storage	S			
Map lights	S			
Armrests	Center console, door			
Door pockets	S			
Sun visor				
W/ extender and vanity mirror	S	-		
W/ extender and vanity mirror, illuminated	-	S		
Trunk/cargo area	-	S		
Cargo net				
Tie-down hooks	Floor-mounted			
	6			
	Side-mounted			
	2			
	Ceiling-mounted			
	4			
Air conditioning/heater				
Manual temp control	S	-		
Dual-zone automatic temp control	-	S		

<b>Comfort &amp; Convenience Features (Continued)</b>		<b>S</b>	<b>V6 SE</b>	<b>LE</b>	<b>V8 LE</b>
Window defogger	Front Liftgate glass			S	
Rear A/C & heater ducts				S	
Cup holders	Front  Rear 3 <sup>rd</sup> Row			Center console w/rubber insert: 2, front door pocket: 2 Back of center console: 2 2	
Power outlets – four				2 on center stack, CTR console, cargo area	
Glove box with lock				S	
Assist grips	Ingress/egress fr grip Fr assist grip – ceiling pass side Ingress/egress rr grip 2 <sup>nd</sup> assist grip – ceiling RH/LH			S	
Inside rearview mirror	Manual day/night	S		-	
	Auto-dimming	-		S	
	Universal Garage Door Opener	-	O		S
RearView Monitor		-	O		S
Power adjustable foot pedals				S	

### ***Safety and Security***

<b>Passenger Restraint Systems</b>		<b>S</b>	<b>V6 SE</b>	<b>LE</b>	<b>V8 LE</b>
Air bags	Driver & front passenger			S	
	Dr & fr pass seat-mounted side impact			S	
	Roof-mounted curtain side-impact			S	
Outboard seat belts	Front			3-point height-adjusting w/pre-tensioners and load limiters	
	2 <sup>nd</sup> Row & 3 <sup>rd</sup> Row			3-point LH/RH w/ ALR/ELR	
Center seat belts	Rear			3-point w/ ALR/ELR	
Power window lockout button				S	
Child seat tether anchors – three					
LATCH system					
Child safety rear door locks					

### **Passive Safety**

Energy-absorbing steering column				S	
Zone body construction with front crumple zones and rear crumple zones					
Side-door guard beams					
Shift Interlock System					

### **Security**

Immobilizer				S	
Vehicle security system with alarm					
Steering wheel locks when key is removed					

## Dimensions

Exterior (inches)		V6			V8
		S	SE	LE	LE
Wheelbase		112.2			
Overall length		192.5			
Overall width		72.8			
Overall height	4x2	72.0	72.2		-
	4x4	72.6			72.7
Track width	Front	61.8			
	Rear	61.8			
Minimum ground clearance	4x2	8.7	8.6		8.7
	4x4	9.0	8.9		9.0
Cargo liftover height	4x2	29.9		30.0	
	4x4	30.4			
Step-in height	Front	19.5			
	Rear	20.0			

Off-Road Specs (degrees)		V6			V8
		S	SE	LE	LE
Approach angle 4x2/4x4		28.0/28.5	27.8/ 28.5	27.8/28.5	-/28.7
Departure angle 4x2/4x4		23.7/24.3	22.1/22.6	22.1/22.6	-/22.9
Breakover angle 4x2/4x4		22.0/22.8	21.9/22.7	21.9/22.7	-/22.9

Interior (inches)		Front	2 <sup>nd</sup> Row	3 <sup>rd</sup> Row
Head room	w/ moonroof	39.1	39.0	36.7
	w/o moonroof	40.0	40.0	36.7
Leg room		42.4	34.2	28.1
Hip room		55.5	57.6	44.0
Shoulder room		58.3	58.4	57.1

Weights		V6			V8
		S	SE	LE	LE
Curb (lbs)	4X2	4,446	4,583	4,678	-
	4X4	4,665	4,801	4,934	5,107
Weight distribution (%) Front/Rear	4x2	50/50	49.7/50.3	49.3/50.7	-
	4x4	51.2/48.8	51.0/49.0	50.6/49.4	51.3/48.7
GVWR (lbs)	4x2	6,000			6,350
	4x4	6,113			6,500

Capacities		V6		V8	
Fuel (gallons)		21.1			
Oil (quarts)		5.4		8.1	
Coolant (quarts)		10.9		14.3	
Towing (lbs) (Max. cap. properly equip.)		6,000		7,000	
Payload (lbs) (Max. cap. properly equip.)		S	SE	LE-V6	LE-V8
	4x2	1,564	1,431	1,335	1,470
	4x4	1,459	1,326	1,193	1,377

<b>Volume (cubic feet)</b>	
Total volume	166.6
EPA interior volume	149.1
EPA cargo volume	16.5

<b>EPA Fuel Economy</b> <i>(Actual mileage may vary)</i>		<b>V6</b>	<b>V8</b>
City	4x2	15	13
	4x4	14	13
Highway	4x2	22	19
	4x4	20	18
Classification		Special Purposes Vehicle	

<b>Options</b>	<b>S</b>	<b>SE</b>	<b>LE</b>
<b>SE Journey Package:</b> Auto on/off headlights, HomeLink® Universal Transceiver, auto dimming rearview mirror with compass, 17-inch machined aluminum-alloy wheels, RearView Monitor, roof rack crossbars	-	P	-
<b>SE Premium Package:</b> Bose® AM/FM/6CD audio system w/ 10 speakers including subwoofer, XM® Satellite Radio (XM® subscription required, sold separately), Bluetooth® Hands-free Phone System, Nissan Intelligent Key™	-	P	-
<b>SE Leather Package:</b> Leather-appointed seats, heated front seats, 4-way power front passenger, dual power heated outside mirrors	-	P	-
<b>HDD Navigation Package:</b> HDD navigation system w/color display, Bose® single CD audio system w/ subwoofer and 9.3GB Music Box Hard Drive, dual auto A/C with unique display	-	-	P
<b>DVD Mobile Entertainment System:</b> DVD player, 7-inch color monitor for rear passengers, rear seat infrared headphones (2), infrared remote control	-	P	P
<b>Power Moonroof</b>	-	P	P
<b>Body-Side Moldings:</b> Body-color	-	P	-

**S** – Standard **O** – Option **P** – Package