

For Immediate Release

2005 Nissan 350Z Roadster Specifications

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

Mechanical

Engine	
Name	VQ35DE
Cam design	DOHC
Orientation	Longitudinal
Cylinders / configuration	V6 CVTCS w/ Molybdenum coated pistons
Block / head composition	Aluminum/aluminum
Displacement (liters)	3.5L
Horsepower	287 @ 6,200 RPM
Torque lb-ft	274 @ 4,800 RPM
Bore & stroke (mm)	95.5 x 81.4
Compression ratio (:1)	10.3
Maximum engine speed	6,600 RPM
Induction system	Sequential multi-point electronic fuel injection
Valvetrain	4 valves per cylinder
Engine cover	Standard
Engine mounts (3 mounts per vehicle)	2 liquid filled; 1 rubber
Recommended fuel	Premium unleaded
Emissions system	Closed loop feedback system w/ 3-way catalyst
Emission certification level	LEV2
Exhaust	Dual (single each side)

Transmission and Drive System	Enthusiast	Touring	Grand Touring
Drive configuration	Mid-mounted front engine / rear-wheel drive		
Transmission	S	S	S
6-speed manual	O	O	-
5-speed auto w/ manual mode			
Gear ratio	<u>M/T</u>	<u>A/T</u>	
1 st	3.794	3.540	
2 nd	2.324	2.264	
3 rd	1.624	1.471	
4 th	1.271	1.000	
5 th	1.000	0.834	
6 th	0.794	N/A	
Reverse	3.446	2.370	
Final drive ratio	3.538	3.357	
Driveshaft	Carbon Fiber Reinforced Plastic (CFRP)		
Viscous Limited-Slip Differential (VLSD)	S		
Traction Control System (TCS)	S		

Electrical	
Ignition system	Electronic, Nissan Direct Ignition System (NDIS)
Starter	1.4KW Reduction
Alternator	110 Amp.
Battery	12 Volt

Brakes	Enthusiast	Touring	Grand Touring
Front Type	Vented disc		Brembo® vented disc
Rotor size diameter and thickness (in.)	11.65 x .95		12.76 x1.18
Rear Type	Vented disc		Brembo vented disc
Rotor size diameter and thickness (in.)	11.50 x .63		12.68 x 0.87
Brake Assist	S		
Brake control	Power-assisted (vacuum)		
Anti-lock Brake System (ABS)	S		
Number of wheels	4		
Number of channels	4		
Number of sensors	4		
Electronic Brake force Distribution (EBD)	S		
Parking brake	Hand-operated along left side of center console		

Steering	
Type	Engine speed-sensitive power rack-and-pinion
Power assisted	S
Overall ratio	15.9
Turns (lock to lock)	2.6
Turning diameter (ft.)	35.4
Steering wheel Tilt	3-spoke design with air bag Manual

Suspension	
Front	Independent multi-link aluminum suspension
Front strut tower bar	S
Stabilizer bar	S
Rear	Independent multi-link aluminum suspension
Stabilizer bar	S

Body / Chassis	
Type	Unibody
Materials (primary)	Corrosion-resistant and high-strength steel
Hood	Aluminum
Rear hatch (trunk)	Plastic

Exterior

Wheels & Tires	Enthusiast	Touring	Grand Touring
Wheels Aluminum-alloy (7-spoke) FR: 17"x7.5" RR: 17"x8"	S	S	-
Aluminum-alloy (6-spoke) FR 18"x8.0" RR: 18"x8"	O	O	S
Tires Bridgestone summer tires – Front 225/50R17 94W, Rear 235/50R17 96W	S	S	-
Bridgestone summer tires – Front 225/45R18 91W, Rear 245/45R18 96W	O	-	S
Temporary spare tire T145/90D16+16x4T T145/80D17+17x4T	S -	S -	- S
Location	Trunk		

Lights

Headlights Flush mounted, low: xenon HID, hi: halogen Center high mount stop light		S S	
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Convertible

Electric Soft Top with Power Tonneau Cover	S
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Interior

Seating	Enthusiast	Touring	Grand Touring
Capacity	2		
Sport seat cloth	S	-	-
Leather	-	S	S
Type	Bucket		
Heated seats	-	S	S
Burnt Orange ventilated leather-trimmed net seats (heated)	-	O	O
Driver seat 8-way (4 power, 4 manual) 6-way (4 power, 2 manual)	S -	S O	S O
Passenger seat leather – 4-way power	S		
Passenger seat back fold down function	S		
Seat back pocket (passenger seat)	S		

Audio	Enthusiast	Touring	Grand Touring
Head unit and speakers			
160W AM/FM/CD w/ 6 speakers (w/ digital clock)	S	-	-
240W Bose® audio with cassette/6CD in-dash/AM/FM/CD changer control (w/ digital clock), 7 speakers and subwoofer	-	S	S
Radio Data System (RDS)	-	S	S
Bose AudioPilot™ noise-compensation	-	S	S
DVD navigation system	-	O	O

Instrumentation			
Meters/gauges			
Speedometer		S	
Tachometer		S	
Coolant temperature		S	
Fuel level		S	
LCD dual trip odometer		S	
3-bay gauges			
Trip computer		S	
Oil pressure gauge		S	
Voltmeter		S	
Indicators			
Clock		S	
M/T shift up timing indicator (light)		When equipped with 6 MT	
A/T indicator		When equipped with 5 AT	
Cruise control		S	
Overdrive off		When equipped with auto	
TCS off		S	

Convenience Features			
Cruise control (ASCD)		S	
Power windows – driver and passenger one-touch up/down		S	
Power door locks		S	
Remote keyless entry system		S	
Cupholders – 3 in the front		S	
12-volt outlets – 2		S	
Passenger assist grip		S	
Sunvisors w/ vanity mirrors and lamps		S	
2 rear upper storage boxes (1 with navi)		S	
Lockable glove box behind passenger seat		S	
Inside rear view mirror – auto-dimming		S	
HomeLink® Universal Transceiver (UGDO)		S	

Safety and Security

Passenger Restraint System	Enthusiast	Touring	Grand Touring
Air bags (SRS) Driver (dual-stage with seat belt sensors) Passenger (dual-stage with seat belt sensor)		S	
SRS side air bags	O	S	S
Outboard seat belts, front	3-point (ALR/ELR for passenger, ELR for driver)		
Seatbelts with pretensioners and load limiters		S	
Tether anchorage		S	
Power window lockout button		S	

Passive Safety	Enthusiast	Touring	Grand Touring
Energy-absorbing steering column		S	
Hood buckling creases and safety stops		S	
Zone Body construction with front and rear crushable zones		S	
Body side reinforcements		S	
Shift interlock system AT		S	
Clutch interlock system MT		S	

Security	Enthusiast	Touring	Grand Touring
Steering wheel locks when key is removed		S	
Vehicle security system		S	
Immobilizer		S	

Dimensions

Exterior (inches)	Enthusiast	Touring	Grand Touring
Wheelbase		104.3	
Overall length		169.4	
Overall width		71.5	
Overall height		52.3	
Tread width			
Front		60.4	
Rear		60.6	

Interior (inches)	Enthusiast	Touring	Grand Touring
Head room		39.2	
Leg room		42.6	
Hip room		53.2	
Shoulder room		53.6	
Cargo volume (cubic feet)		4.1	

Weights	Enthusiast	Touring	Grand
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		Touring		
Curb (pounds)	MT	3,480	3,496	N/A
	AT	3,488	3,488	3,536
Weight distribution (%) Front/rear		53/47		
GVWR		4,133	4,133	4,133

Capacities	
Fuel tank (gallons)	20.0
Engine oil (quarts)	5.0
Engine coolant w/ reservoir (quarts)	9.2

Volume (cubic feet)	
Passenger compartment	50.5
Cargo	6.8
Total	57.3

EPA Fuel Economy <i>(Actual mileage may vary)</i>		
City	MT/AT	20/19
Highway	MT/AT	26/26
Classification		Two Seaters

Options	Enthusiast	Touring	Grand Touring
DVD-Based Navigation System	-	O	O
18-inch wheels	O	O	S
Ventilated Leather-trimmed Net Seats	-	O	O
Side Air Bags	O	S	S