

NISSAN
SENTRA/200SX
MODEL B14 SERIES

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FOREWORD

This manual contains maintenance and repair procedures for the 1995 Nissan SENTRA/200SX.

In order to assure your safety and the efficient functioning of the vehicle, this manual should be read thoroughly. It is especially important that the PRECAUTIONS in the GI section be completely understood before starting any repair task.

All information in this manual is based on the latest product information at the time of publication. The right is reserved to make changes in specifications and methods at any time without notice.

IMPORTANT SAFETY NOTICE

The proper performance of service is essential for both the safety of the technician and the efficient functioning of the vehicle.

The service methods in this Service Manual are described in such a manner that the service may be performed safely and accurately.

Service varies with the procedures used, the skills of the technician and the tools and parts available. Accordingly, anyone using service procedures, tools or parts which are not specifically recommended by NISSAN must first completely satisfy himself that neither his safety nor the vehicle's safety will be jeopardized by the service method selected.



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QUICK REFERENCE CHART: SENTRA/200SX 1995

ENGINE TUNE-UP DATA SR20DE

Model	SR20DE				
Idle speed	rpm	800 ± 50			
M/T		800 ± 50			
A/T (in "N" position)		800 ± 50			
Ignition timing (B.T.D.C. at idle speed)		15° ± 2°			
Spark plug	Standard	Platinum-tipped type	Conventional type		
		PFR5B-11	BKR6E		
	Hot	—	BKR5E		
		Cold	PFR6B-11, PFR7B-11	BKR7E	
Gap	mm (in)	— 0.8 - 0.9 (0.031 - 0.035)			
Drive belt deflection (Cold)	mm (in)	Used belt			
		Limit	Deflection after adjustment	Deflection of new belt	
		Generator	7 - 8	6.5 - 7.5	
		With air conditioner compressor	(0.28 - 0.31)	(0.256 - 0.295)	
		Without air conditioner compressor	11.5 - 12.5 (0.453 - 0.492)	8 - 9 (0.31 - 0.35)	7 - 8 (0.28 - 0.31)
Power steering pump	6 - 7 (0.24 - 0.28)	4 - 5 (0.16 - 0.20)	3.5 - 4.5 (0.138 - 0.177)		
Applied pushing force	N (kg, lb)	98 (10, 22)			
Compression pressure	kPa (kg/cm ² , psi)/rpm	Standard	1,226 (12.5, 178)/300		
		Minimum	1,030 (10.5, 149)/300		
Tightening torque		N-m	kg-m	ft-lb	
		Spark plug	20 - 29	2.0 - 3.0	14 - 22
		Oil pan drain plug	29 - 39	3.0 - 4.0	22 - 29

ENGINE TUNE-UP DATA GA16DE

Model	GA16DE				
Idle speed	rpm	675 ± 50, 750 ± 50 (For Canada)			
M/T		675 ± 50, 750 ± 50 (For Canada)			
A/T (in "N" position)		800 ± 50			
Ignition timing (B.T.D.C. at idle speed)		8° ± 2°			
Valve clearance (Hot)	mm (in)	Intake	0.21 - 0.49 (0.008 - 0.019)		
		Exhaust	0.30 - 0.58 (0.012 - 0.023)		
Spark plug	Standard	BKR6E-11			
		Hot	BKR4E-11		
	Cold	BKR6E-11, BKR7E-11			
		Gap	mm (in)	1.0 - 1.1 (0.039 - 0.043)	
Drive belt deflection (Cold)	mm (in)	Used belt			
		Limit	Deflection after adjustment	Deflection of new belt	
		Generator	6 - 6.5	5 - 6	
		With air conditioner compressor	(0.374)	(0.24 - 0.256)	(0.20 - 0.24)
		Without air conditioner compressor	11.5 (0.453)	7.5 - 8 (0.295 - 0.315)	6.5 - 7 (0.256 - 0.28)
Water pump	7.5 (0.295)	4 - 6 (0.16 - 0.24)	3 - 5 (0.12 - 0.20)		
With power steering pump					
Without power steering pump	6 (0.24)	3 - 4.5 (0.12 - 0.177)	3 - 4 (0.12 - 0.16)		
Applied pushing force	N (kg, lb)	98 (10, 22)			
Compression pressure	kPa (kg/cm ² , psi)/rpm	Standard	1,373 (14.0, 199)/350		
		Minimum	1,177 (12.0, 171)/350		
Tightening torque		N-m	kg-m	ft-lb	
		Spark plug	20 - 29	2.0 - 3.0	14 - 22
		Oil pan drain plug	29 - 39	3.0 - 4.0	22 - 29

CLUTCH PEDAL

	Unit: mm (in)
Pedal height	153 - 163 (6.02 - 6.42)
Pedal free travel	10.8 - 15.1 (0.425 - 0.594)
Withdrawal lever play	2.5 - 3.5 (0.098 - 0.138)

ENGINE COOLING SYSTEM

Thermostat valve opening temperature	C°(F°)	76.5 (170)
Radiator cap relief pressure	Standard	78 - 98 (0.8 - 1.0, 11 - 14)
	Limit	59 - 98 (0.6 - 1.0, 9 - 14)
Cooling system leakage testing pressure	kPa (kg/cm ² , psi)	157 (1.6, 23)

WHEEL ALIGNMENT (Unladen*1)

Front	Camber	degree	-1°20' to 0° - 10'			
	Caster	degree	0°49' to 2°10'			
	Kingpin inclination	degree	14°00' to 15°30'			
	Toe-in	A - B	mm (in)	0 - 4 (0 - 0.16)		
		Total angle 2θ	degree	0° - 24'		
	Front wheel turning angle	Full turn *2	degree	Manual steering model	Power steering model	
				Inside	38° - 42°	34° - 38°
				Outside	34°	31°
	Rear	Camber	degree	-1°45' to -0°15'		
		Toe-in	mm (in)	-3 to 5 (-0.12 to 0.20)		
Total angle 2θ		degree	-18° to 30°			

- *1 Fuel, radiator coolant and engine oil full.
Spare tire, jack, hand tools and mats in designated positions.
*2 On power steering models, turn steering wheel to full stop and apply force (at circumference of steering wheel) of 98 to 147 N (10 to 15 kg, 22 to 33 lb) with engine at idle.

BRAKE

	Unit: mm (in)	
Disc brake	Pad minimum thickness	CL7HB: 1.5 (0.059) CL22VD, CL22VE: 2.0 (0.079)
	Rotor minimum thickness	CL7HB: 6.0 (0.236) CL22VD, CL22VE: 16.0 (0.630)
Drum brake	Lining minimum thickness	1.5 (0.059)
	Drum maximum inner diameter	181.0 (7.13)
Pedal free height	M/T models	148 - 158 (5.83 - 6.22)
	A/T models	157 - 167 (6.18 - 6.57)
Pedal depressed height (minimum) *1	M/T models	75 (2.95) or more
	A/T models	85 (3.35) or more
Parking brake	Number of notches*2	Disc: 8 - 9 Drum: 7 - 8

- *1 Under force of 490 N (50 kg, 110 lb) with engine running
*2 At pulling force 196 N (20 kg, 44 lb)

REFILL CAPACITIES

	Unit	Liter	US measure
Fuel tank		53.5	14 gal
Coolant	M/T	SR20DE	6.1 6-1/2 qt
		GA16DE	5.9 6-1/4 qt
	A/T	SR20DE	6.6 7 qt
		GA16DE	5.3 5-5/8 qt
Engine	With oil filter	SR20DE	3.4 3-5/8 qt
		GA16DE	3.2 3-3/8 qt
	Without oil filter	SR20DE	3.2 3-3/8 qt
		GA16DE	2.8 3 qt
Transaxle	M/T	RS5F31A	2.9 - 3.2 6-1/8 - 6-3/4 pt
		RS5F32V	3.7 - 3.9 7-7/8 - 8-1/4 pt
	A/T		7.0 7-3/8 qt
Power steering system		1.0 1-1/8 qt	
Air conditioning system	Lubricant	0.2 6.8 fl oz	
	Refrigerant*	0.60 - 0.70 kg 1.32 - 1.54 lb	

* R-134a