

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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Torrance, California

QUICK REFERENCE CHART: SENTRA/200SX 1995

ENGINE TUNE-UP DATA

SR20DE

Model		SR20DE		
Idle speed		rpm		
M/T		800 ± 50		
A/T (In "N" position)		800 ± 50		
Ignition timing (B.T.D.C. at idle speed)		15° ± 2°		
Spark plug		Platinum-tipped type		
		Conventional type		
Type	Standard	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		11.5 - 12.5 (0.453 - 0.492)	7 - 8 (0.28 - 0.31)	6.5 - 7.5 (0.256 - 0.295)
With air conditioner compressor				
Without air conditioner compressor		12 - 13 (0.47 - 0.51)	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		Standard		
kPa (kg/cm2, psi)/rpm		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 COOLING SYSTEM

Thermostat valve opening temperature	C°(F°)	76.5 (170)
Radiator cap relief pressure kPa(kg/cm ² , psi)	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°40' 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		Manual steering model Power steering model
Full turn *2	degree	
		38° - 42° 34° - 38°
		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.

ENGINE TUNE-UP DATA

GA16DE

Model	GA16DE			
Idle speed	rpm	675 ± 50, 750 ± 50 (For Canada)		
M/T		800 ± 50		
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		
Type	mm (in)	BKR6E-11, BKR7E-11		
		1.0 - 1.1 (0.039 - 0.043)		
Gap		—		
Drive belt deflection (Cold)	mm (in)	Used belt		
		Limit	Deflection after adjustment	Deflection of new belt
		9.5 (0.374)	6 - 6.5 (0.24 - 0.256)	5 - 6 (0.20 - 0.24)
		11.5 (0.453)	7.5 - 8 (0.295 - 0.315)	6.5 - 7 (0.256 - 0.28)
Generator With air conditioner compressor		7.5 (0.295)	4 - 6 (0.16 - 0.24)	3 - 5 (0.12 - 0.20)
Without air conditioner compressor		7.5 (0.295)	4 - 6 (0.16 - 0.24)	3 - 5 (0.12 - 0.20)
Water pump With power steering pump		6 (0.24)	3 - 4.5 (0.12 - 0.177)	3 - 4 (0.12 - 0.16)
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
		20 - 29	2.0 - 3.0	14 - 22
		29 - 39	3.0 - 4.0	22 - 29
		29 - 39	3.0 - 4.0	22 - 29

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

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)