

NISSAN

SENTRA/200SX

MODEL B14 SERIES

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FOREWORD

This manual contains maintenance and repair procedures for the 1996 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 be completely satisfied that neither personal safety nor the vehicle's safety will be jeopardized by the service method selected.



NISSAN NORTH AMERICA, INC.

Technical Information Department
Torrance, California

QUICK REFERENCE CHART: SENTRA/200SX 1996

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)		16° ± 2°	
Spark plug		Platinum tipped type	Conventional 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	Deflection of new belt
		Limit	Deflection after adjustment
Generator		11.5 - 12.5 (0.453 - 0.492)	7 - 8 (0.28 - 0.31)
With air conditioner compressor		—	6.5 - 7.5 (0.256 - 0.295)
Without air conditioner compressor		12 - 13 (0.47 - 0.51)	8 - 9 (0.31 - 0.35)
Power steering pump		6 - 7 (0.24 - 0.28)	4 - 5 (0.16 - 0.20)
Applied pushing force	N (kg, lb)	98 (10, 22)	
Compression pressure	Standard	1,226 (12.5, 178)/300	
kPa (kg/cm ² , psi)/rpm	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)	0.21 - 0.49 (0.008 - 0.019)	
Intake		0.21 - 0.49 (0.008 - 0.019)	
Exhaust		0.30 - 0.58 (0.012 - 0.023)	
Spark plug		Standard	BKR5E-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	Deflection of new belt
		Limit	Deflection after adjustment
Generator		9.5 (0.374)	6 - 6.5 (0.24 - 0.256)
With air conditioner compressor		—	5 - 6 (0.20 - 0.24)
Without air conditioner compressor		11.5 (0.453)	7.5 - 8 (0.295 - 0.315)
Water pump		7.5 (0.295)	4 - 6 (0.16 - 0.24)
With power steering pump		—	3 - 5 (0.12 - 0.20)
Without power steering pump		6 (0.24)	3 - 4.5 (0.12 - 0.177)
Applied pushing force	N (kg, lb)	98 (10, 22)	
Compression pressure	Standard	1,373 (14.0, 199)/350	
kPa (kg/cm ² , psi)/rpm	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

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)
kPa (kg/cm ² , psi)	Limit	59 - 98 (0.6 - 1.0, 9 - 14)
Cooling system leakage testing pressure	kPa (kg/cm ² , psi)	157 (1.6, 23)

CLUTCH PEDAL

Unit: mm (in)	
Pedal height	153 - 163 (6.02 - 6.42)
Pedal free travel	11.0 - 15.0 (0.433 - 0.591)
Withdrawal lever play	2.5 - 3.5 (0.098 - 0.138)

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	161.0 (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			50.0	13.2 gal
Coolant	M/T	SR20DE	6.2	6-1/2 qt
		GA16DE	5.2	5-1/2 qt
	A/T	SR20DE	6.2	6-1/2 qt
		GA16DE	5.7	6 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
	A/T	RS5F32V	3.7 - 3.9	7-7/8 - 8-1/4 pt
Power steering system			7.0	7-3/8 qt
Air conditioning system	Lubricant		1.0	1-1/8 qt
	Refrigerant*		0.2	6.8 fl oz

* R-134a