NISSAN 300ZX

MODEL Z32 SERIES

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FOREWORD

This manual contains maintenance and repair procedures for the 1995 Nissan 300ZX.

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.

NISSAN MOTOR CO., LTD.
Overseas Service Department
Tokyo, Japan

QUICK REFERENCE CHART : 300ZX [ ] 1995

ENGINE TUNE-UP DATA

Engine model		VG30DE	VG30DETT
Firing order		1-2-3-4-5-6	
Idle speed rpm	M/T	700 ± 50	700 ± 50, 750 ± 50*
	A/T (in "N" position)	770 ± 50	750 ± 50
Ignition timing(degree BTDC at idle speed)		15 ± 2	
CO% at idle		Idle mixture screw is preset and sealed at factory.	

Drive belt deflection (Cold) mm (in)	Used belt deflection: Limit	Used belt deflection: Deflection after adjustment	Deflection of new belt
Alternator	11.5 (0.453)	7 - 8 (0.28 - 0.31)	6.5 - 7.5 (0.256 - 0.295)
Air conditioner compressor	12.5 (0.492)	8 - 9 (0.31 - 0.35)	7 - 8 (0.28 - 0.31)
Power steering oil pump	19 (0.75)	12 - 13.5 (0.472 - 0.531)	10.5 - 11.5 (0.413 - 0.453)

Applied pressed force N (kg, lb)		98 (10, 22)	
Radiator cap relief pressure kPa (kg/cm², psi)		108 - 127 (1.1 - 1.3, 16 - 18)	
Cooling system leakage testing pressure kPa (kg/cm², psi)		157 (1.6, 23)	
Compression pressure kPa (kg/cm², psi)/rpm	Standard	1,285 (13.1, 186)/300	1,177 (12.0, 171)/300
	Minimum	981 (10.0, 142)/300	883 (9.0, 128)/300
Spark plug	Type (Standard)	PFR6B-11	PFR5B-11B
	Gap mm (in)	1.0 - 1.1 (0.039 - 0.043)	

*: For Canada

CLUTCH PEDAL

Unit: mm (in)

Engine	VG30DE	VG30DETT
Pedal height	197 - 207 (7.76 - 8.15)	183 - 193 (7.20 - 7.60)
Pedal free play	1 - 3 (0.04 - 0.12)	

FRONT WHEEL ALIGNMENT (Unladen*)

Camber	degree	–1°35′ to –0°05′
Caster	degree	8°55′ - 10°25′
Toe-in		
A – B	mm (in)	0 - 2 (0 - 0.08)
Total angle 2θ	degree	0′ - 11′
Wheel turning angle (Full turn)	degree	
Inside		32°30′ - 36°30′
Outside		26°30′ - 30°30′

*: Fuel, radiator coolant and engine oil full.
Spare tire, jack, hand tools and mats in designated positions.

REAR WHEEL ALIGNMENT (Unladen*)

Camber	degree	–1°31′ to –0°31′
Toe-in		
A – B	mm (in)	0.4 - 4.4 (0.016 - 0.173)
Total angle 2θ	degree	2′ - 24′

*: Fuel, radiator coolant and engine oil full.
Spare tire, jack, hand tools and mats in designated positions.

BRAKE

Unit: mm (in)

Front brake		
Pad wear limit		2.0 (0.079)
Rotor repair limit		28.0 (1.102)
Rear brake		
Pad wear limit		2.0 (0.079)
Rotor repair limit		16.0 (0.630)
Pedal free height	M/T model	186 - 196 (7.32 - 7.72)
	A/T model	195 - 205 (7.68 - 8.07)
Pedal depressed height*1	M/T model	100 (3.94) or more
	A/T model	105 (4.13) or more
Parking brake		
Number of notches*2		6 - 7

*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			72	19 gal
Coolant			9	9-1/2 qt
Engine	With oil filter		3.4	3-5/8 qt
	Without oil filter		3.0	3-1/8 qt
Transmission	M/T		2.8	5-7/8 pt
	A/T	Non-turbocharger	8.3	8-3/4 qt
		Turbocharger	8.2	8-5/8 qt
Differential carrier	Non-turbocharger		1.3	2-3/4 pt
	Turbocharger		1.8	3-7/8 pt
Power steering system			1.3	1-3/8 qt
Air conditioning system	Compressor oil		0.20	6.8 fl oz
	Refrigerant		0.60 - 0.70 kg	1.32 - 1.54 lb