QUICK REFERENCE INDEX GI GENERAL INFORMATION —— MA MAINTENANCE -EΜ **ENGINE MECHANICAL** -**ENGINE LUBRICATION &** LC **COOLING SYSTEMS ENGINE FUEL &** EF & EMISSION CONTROL SYSTEM EC **ACCELERATOR CONTROL, FUEL &** FE **EXHAUST SYSTEMS** CL CLUTCH ---MT MANUAL TRANSMISSION -**AT** AUTOMATIC TRANSMISSION -PROPELLER SHAFT & PD **DIFFERENTIAL CARRIER** FA FRONT AXLE & FRONT SUSPENSION -RA **REAR AXLE & REAR SUSPENSION -**BR **BRAKE SYSTEM -**ST STEERING SYSTEM -RS **RESTRAINT SYSTEM -**BT **BODY & TRIM -**HA **HEATER & AIR CONDITIONER** — **ELECTRICAL SYSTEM -**

NISSAN 300ZX

MODEL Z32 SERIES

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ALPHABETICAL INDEX -

IDX

FOREWORD

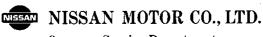
This manual contains maintenance and repair procedures for the 1995 Nissan 300ZX.

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.



Overseas Service Department Tokyo, Japan

QUICK REFERENCE CHART: 300ZX

ENGINE TUNE-UP DATA

Engine model				VG30DE	VG30DETT
Firing order			1-2-3-4-5-6		
		M/T		700 ± 50	700 ± 50, 750 ± 50*
Idle speed rpm	rpm	A/T (in "N" posi- tion)		770 ± 50	750 ± 50
Ignition timing(degree	BTD	C 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	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		Standard	1,285	(13.1, 186)/300	1,177 (12.0, 171)/300
kPa (kg/cm², psi)/	rpm	Minimum	981 (10.0, 142)/300	883 (9.0, 128)/300
Spark plug		Type (Standard)	PFR68-11		PFR58-118
		Gap mm (in)	1.0 - 1.1 (0.039 - 0.043)		

^{*:} For Canada

CLUTCH PEDAL

<u></u>		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 (0.0	04 - 0.12)

FRONT WHEEL ALIGNMENT (Unladen*)

Camber	degree	-1°35′ to0°05′	
Caster	degree	8°55' - 10°25'	
Toe-in			
A B	mm (in)	0 - 2 (0 - 0.08)	
Total angle 20	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′ lo -0°31′	
Toe-in			
A - B	mm (in)	0.4 - 4.4 (0.016 - 0.173)	
Total angle 28	degree	2' ~ 24'	

^{*:} Fuel, radiator coolant and engine oil full.

Spare tire, jack, hand tools and mats in designated positions.

BRAKE

		Unit: mm		
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	M/T model	100 (3.94) or more		
heighi*1 A/T model		105 (4.13) or more		
Parking brake				
Number of noiches*2		6 - 7		

REFILL CAPACITIES

Unit Fuel tank		Liter	US measure	
		72	19 gal	
Coolant		9	9-1/2 qt	
	With oil filter		3.4	3-5/8 qt
Engine	Without oil filter		3.0	3-1/8 qt
M		•	2.8	5-7/8 pt
Transmission		Non-turbocharger	8.3	8-3/4 q1
	A/T	Turbocharger	8.2	8-5/8 qt
Differential car-	- Non-turbocharger		1.3	2-3/4 pt
rier Tur		ocharger	1.8	3-7/8 pt
Power steering system		1.3	1-3/8 qt	
Air conditioning Compressor all		pressor oll	0.20	6.8 fl oz
system	Refrigerant		0.60 - 0.70 kg	1.32 - 1.54 lb

^{*2:} At pulling force: 196 N (20 kg, 110 to)