Edition: August 2005 QUICK REFERENCE INDEX				
Revision: November 2006	A GENERAL INFORMATION	Gl General Information		
Publication No. SM6E-1Z33U2	B ENGINE	EM Engine Mechanical		
		LU Engine Lubrication System		
		CO Engine Cooling System		
		EC Engine Control System		
		FL Fuel System		
		EX Exhaust System		
		ACC Accelerator Control System		
	C TRANSMISSION/	CL Clutch		
	TRANSAXLE	MT Manual Transmission		
		AT Automatic Transmission		
	D DRIVELINE/AXLE	PR Propeller Shaft		
		RFD Rear Final Drive		
		FAX Front Axle		
		RAX Rear Axle		
	E SUSPENSION	FSU Front Suspension		
NISSAN		RSU Rear Suspension		
350Z		WT Road Wheels & Tires		
MODEL Z33 SERIES	F BRAKES	BR Brake System		
WIODEL 200 SERIES		PB Parking Brake System		
		BRC Brake Control System		
	G STEERING	PS Power Steering System		
		STC Steering Control System		
	H RESTRAINTS	SB Seat Belts		
		SRS Supplemental Restraint System (SRS)		
	I BODY	BL Body, Lock & Security System		
		GW Glasses, Window System & Mirrors		
		RF Roof		
		El Exterior & Interior		
		IP Instrument Panel		
		SE Seat		
	J AIR CONDITIONER	ATC Automatic Air Conditioner		
	K ELECTRICAL	SC Starting & Charging System		
		LT Lighting System		
		DI Driver Information System		
		WW Wiper, Washer & Horn		
		BCS Body Control System		
		LAN LAN System		
		AV Audio Visual, Navigation & Tele-		
		phone System		
		ACS Auto Cruise Control System		
		PG Power Supply, Ground & Circuit Elements		
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<u> </u>	M INDEX	IDX Alphabetical Index		
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FOREWORD

This manual contains maintenance and repair procedure for the 2006 NISSAN 350Z.

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 MOTOR CO., LTD.

QUICK REFERENCE CHART 350Z

QUICK REFERENCE CHART 350Z ENGINE TUNE-UP DATA (VQ35DE)

PFP:00000

ELS0003W

Engine model				VC	Q35DE	
Firing order				1-2-	-3-4-5-6	
Idle speed A/T (In "P" or "N" position M/T (In "Neutral" position		rpm		65	0 ± 50	
Ignition timing (BTDC at idle speed) A/T (In "P" or "N" position M/T (In "Neutral" position				15	5° ± 5°	
CO% at idle			0.7 - 9.9 % and engine runs smoothly			
	Deflection adjustment		Unit: mm (in)	Tension adjustment		Unit: N (kg, lb)
Drive belt		Used belt	New belt	Used belt		New belt
	Limit	After adjustment	New Delt	Limit	After adjustment	New Delt
Alternator and power steering oil pump belt	7 (0.28)	4 - 5 (0.16 - 0.20)	3.5 - 4.5 (0.138 - 0.177)	294 (30, 66)	730 - 818 (74.5 - 83.5, 164 - 184)	838 - 926 (85.5 - 94.5, 188 - 208)
A/C compressor belt	12 (0.47)	9 - 10 (0.35 - 0.39)	8 - 9 (0.31 - 0.35)	196 (20, 44)	348 - 436 (35.5 - 44.5, 78 - 98)	470 - 559 (48 - 57, 106 - 126)
Applied pushing force		98 N (10kg, 22lb)			_	
Radiator cap relief pressure kPa (kg/cm², psi) Standard		78 - 98 (0.8 - 1.0, 11 - 14)				
	Limit		59 (0.6, 9)			
Cooling system leakage testing pres- kPa (kg/cm-, psi) sure		157 (1.6, 23)				
Compression pressure		kPa (kg/cm² , psi)/rpm				
	Standard		1,275 (13.0, 185)/300			
	Minimum		981 (10.0, 142)/300			
	Differential lim	nit between cylinders		98 (1.	0, 14)/300	
Spark plug	Standard type			PLF	R5A-11	
	Hot type			PLF	R4A-11	
	Cold type			PLF	R6A-11	
	Gap (Nominal) mm (in)		1.1	(0.043)	

FRONT WHEEL ALIGNMENT (Unladen*)

ELS0003X

		Minimum	-1°20′ (-1.33°)
Camber		Nominal	-0°35′ (-0.58°)
Degree minute (De	ecimal degree)	Maximum	0°10′ (0.17°)
		Left and right difference	45′ (0.75°)
		Minimum	7°25′ (7.42°)
Caster		Nominal	8°10′ (8.17°)
Degree minute (De	ecimal degree)	Maximum	8°55′ (8.92°)
		Left and right difference	45′ (0.75°)
		Minimum	4°20′ (4.33°)
	Kingpin inclination Degree minute (Decimal degree)		5°05′ (5.08°)
Degree minute (De	omar degree)	Maximum	5°50′ (5.83°)
		Minimum	0 mm (0 in)
	Distance	Nominal	1 mm (0.04 in)
Tatal tana in		Maximum	2 mm (0.08 in)
Total toe-in		Minimum	0°00′ (0.00°)
	Angle (left wheel or right wheel) Degree minute (Decimal degree)	Nominal	0°02′30″ (0.04°)
	Dogree minute (Decimal degree)	Maximum	0°05′ (0.08°)
	Inside Degree minute (Decimal degree)	Minimum	35°55′ (35.9°)
NAME of the section		Nominal	38°55′ (38.9°)
Wheel turning angle (Full turn)	2 sg. so minate (2 semial degree)	Maximum	39°55′ (39.9°)
,	Outside Degree minute (Decimal degree)	Nominal	30°40′ (30.7°)

^{*:} Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

REAR WHEEL ALIGNMENT (Unladen*)

ELS0003Y

		Minimum	-2°05′ (-2.08°)
Camber Degree minute (I	Decimal degree)	Nominal	-1°35′ (-1.58°)
2 0 9:00 1 (1		Maximum	-1°05′ (-1.08°)
		Minimum	1.1 mm (0.043 in)
	Distance	Nominal	1.9 mm (0.075 in)
Total toe-in		Maximum	2.7 mm (0.106 in)
rotal toe-in		Minimum	0°02′54″ (0.05°)
	Angle (left wheel or right wheel) Degree minute (Decimal degree)	Nominal	0°04′54″ (0.08°)
	2 ag. sasa (Baaimai dagiaa)	Maximum	0°06′54″ (0.12°)

^{*:} Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

BRAKE

ELS0003Z

Unit: mm (in)

Front brake	Pad repair limit thickness	2.0 (0.079)
	Rotor repair limit thickness	Other than brembo : 26.0 (1.024) With brembo : 28.4 (1.118)
Rear brake	Pad repair limit thickness	2.0 (0.079)
	Rotor repair limit thickness	Other than brembo : 14.0 (0.551) With brembo : 20.2 (0.795)

Brake pedal height (from dash lower panel top surface)	M/T : 153.2 - 163.2 (6.03 - 6.43) A/T : 161.5 - 171.5 (6.36 - 6.75)
Depressed pedal height*	M/T : More than 90 (3.54) A/T : More than 95 (3.74)

^{*:} Under a force of 490 N(50 kg, 110 lb) with the engine running.

REFILL CAPACITIES

ELS00040

UNIT		Liter	US measure
Fuel tank		76	20 gal
Engine coolant (With reserv	oir tank)	8.7	9-1/4 qt
	Drain and refill		
Engine	With oil filter change	4.7	5 qt
	Without oil filter change	4.4	4-5/8 qt
	Dry engine (Overhaul)	5.4	5-3/4 qt
Transmission	A/T	10.3	10-7/8 qt
	M/T	2.9	3-1/8 qt
Differential carrier		1.4	3 pt
Power steering system		1.0	1 1/8 qt
Air conditioning system	Compressor oil	0.18	6.0 fl oz
	Refrigerant	0.55 kg	1.21 lb