Editions Assessed 0004	QUICK REFERENCE INDEX		
Edition: August 2004 Revision: December 2004	A GENERAL INFORMATION	Gl General Inform	nation
Publication No. SM5E-1Z33U1	B ENGINE	EM Engine Mecha	
	B ENOME	LU Engine Lubric	
		CO Engine Coolin	
		EC Engine Contro	
		FL Fuel System	Toystem
		EX Exhaust Syste	m
		ACC Accelerator Co	
	C TRANSMISSION/	CL Clutch	ontrol bystem
	TRANSAXLE	MT Manual Transr	nission
		AT Automatic Tra	
	D DRIVELINE/AXLE	PR Propeller Shaf	
	D DRIVELINE/AXLE	RFD Rear Final Driv	
		FAX Front Axle	/ C
		RAX Rear Axle	
	E SUSPENSION	FSU Front Suspens	rion
	E SUSPENSION	RSU Rear Suspens	
NISSAN		WT Road Wheels	
	F BRAKES	BR Brake System	x IIIes
350Z	F BRAKES	PB Parking Brake	System
MODEL Z33 SERIES		BRC Brake Control	
	G STEERING	PS Power Steering	
	H RESTRAINTS	SB Seat Belts	g Cystem
	H RESTRAINTS	SRS Supplemental	Pastraint System
		(SRS)	Restraint System
	I BODY		Security System
		GW Glasses, Wind	ow System & Mir-
		rors	
		RF Roof	-
		El Exterior & Inte	
		IP Instrument Pa	nel
		SE Seat	
	J AIR CONDITIONER	ATC Automatic Air	
	K ELECTRICAL	SC Starting & Cha	
		LT Lighting Syste	
		DI Driver Informa	-
		WW Wiper, Washer	
		BCS Body Control	System
		LAN LAN System	
		AV Audio Visual, l phone System	Navigation & Tele-
		ACS Auto Cruise C	
			Ground & Circuit Ele-
		ments	
	L MAINTENANCE	MA Maintenance	
	M INDEX	IDX Alphabetical Ir	ndex

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FOREWORD

This manual contains maintenance and repair procedure for the 2005 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.



PLEASE HELP MAKE THIS SERVICE MANUAL BETTER!

Your comments are important to NISSAN and will help us to improve our Service Manuals. Use this form to report any issues or comments you may have regarding our Service Manuals. Please print this form and type or write your comments below. Mail or fax to:

> Nissan North America, Inc. **Technical Service Information** 39001 Sunrise Drive, P.O. Box 9200 Farmington Hills, MI USA 48331

FAX: (248) 488-3910

SERVICE MANUA	AL: Model:	Year:	
PUBLICATION NO	D. (Refer to Quick Reference Index	i):	
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Page number(s) _	Note: Please in	clude a copy of each page, i	marked with your comments.
Are the trouble d	iagnosis procedures logical and e	easy to use? (circle your ar	nswer) YES NO
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Please describe th	ne issue or problem in detail:		
_	on of the manual clear and easy to	, <u>-</u>	er) YES NO
What information repairing custom	should be included in NISSAN S er vehicles?	Service Manuals to better s	upport you in servicing or
DATE:	YOUR NAME:	P(OSITION:
DEALER:	DEALER NO.:	ADDRESS:	
CITY:	STATE/PROV./COU	NTRY: ZIP/F	POSTAL CODE:

INCH TO METRIC CONVERSION TABLE

(Rounded-off for automotive use)

Inches	(INDUITUEU-OII	TOT GUICITION	vc usc)	
.110 2.79 .620 15.75 .120 3.05 .630 16.00 .130 3.30 .640 16.26 .140 3.56 .650 16.51 .150 3.81 .660 16.76 .160 4.06 .670 17.02 .170 4.32 .680 17.27 .180 4.57 .690 17.53 .190 4.83 .700 17.78 .200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32	inches		inches	
.120 3.05 .630 16.00 .130 3.30 .640 16.26 .140 3.56 .650 16.51 .150 3.81 .660 16.76 .160 4.06 .670 17.02 .170 4.32 .680 17.27 .180 4.57 .690 17.53 .190 4.83 .700 17.78 .200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57	.100		.610	
.130 3.30 .640 16.26 .140 3.56 .650 16.51 .150 3.81 .660 16.76 .160 4.06 .670 17.02 .170 4.32 .680 17.27 .180 4.57 .690 17.53 .190 4.83 .700 17.78 .200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .330 7.62 .810 20.57 .310 7.87 .820 20.83	.110	2.79	.620	15.75
.140 3.56 .650 16.51 .150 3.81 .660 16.76 .160 4.06 .670 17.02 .170 4.32 .680 17.27 .180 4.57 .690 17.53 .190 4.83 .700 17.78 .200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.34	.120		.630	
.150 3.81 .660 16.76 .160 4.06 .670 17.02 .170 4.32 .680 17.27 .180 4.57 .690 17.53 .190 4.83 .700 17.78 .200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .350 8.89 .860 21.84	.130	3.30	.640	16.26
.160 4.06 .670 17.02 .170 4.32 .680 17.27 .180 4.57 .690 17.53 .190 4.83 .700 17.78 .200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59	.140	3.56	.650	16.51
.170 4.32 .680 17.27 .180 4.57 .690 17.53 .190 4.83 .700 17.78 .200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84	.150	3.81	.660	16.76
.170 4.32 .680 17.27 .180 4.57 .690 17.53 .190 4.83 .700 17.78 .200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84	.160	4.06	.670	17.02
.180 4.57 .690 17.53 .190 4.83 .700 17.78 .200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84 .360 9.14 .870 22.10		4.32		17.27
.190 4.83 .700 17.78 .200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84 .360 9.14 .870 22.10 .370 9.40 .880 22.35				
.200 5.08 .710 18.03 .210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84 .360 9.14 .870 22.10 .370 9.40 .880 22.35 .380 9.65 .890 22.61				
.210 5.33 .720 18.29 .220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84 .360 9.14 .870 22.10 .370 9.40 .880 22.35 .380 9.65 .890 22.61 .390 9.91 .900 22.86				
.220 5.59 .730 18.54 .230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84 .360 9.14 .870 22.10 .370 9.40 .880 22.35 .380 9.65 .890 22.61 .390 9.91 .900 22.86 .400 10.16 .910 23.11				
.230 5.84 .740 18.80 .240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84 .360 9.14 .870 22.10 .370 9.40 .880 22.35 .380 9.65 .890 22.61 .390 9.91 .900 22.86 .400 10.16 .910 23.11 .410 10.41 .920 23.37				
.240 6.10 .750 19.05 .250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84 .360 9.14 .870 22.10 .370 9.40 .880 22.35 .380 9.65 .890 22.61 .390 9.91 .900 22.86 .400 10.16 .910 23.11 .410 10.41 .920 23.37 .420 10.67 .930 23.62				
.250 6.35 .760 19.30 .260 6.60 .770 19.56 .270 6.86 .780 19.81 .280 7.11 .790 20.07 .290 7.37 .800 20.32 .300 7.62 .810 20.57 .310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84 .360 9.14 .870 22.10 .370 9.40 .880 22.35 .380 9.65 .890 22.61 .390 9.91 .900 22.86 .400 10.16 .910 23.11 .410 10.41 .920 23.37 .420 10.67 .930 23.62 .430 10.92 .940 23.88 <th></th> <th></th> <td></td> <td></td>				
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.310 7.87 .820 20.83 .320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84 .360 9.14 .870 22.10 .370 9.40 .880 22.35 .380 9.65 .890 22.61 .390 9.91 .900 22.86 .400 10.16 .910 23.11 .410 10.41 .920 23.37 .420 10.67 .930 23.62 .430 10.92 .940 23.88 .440 11.18 .950 24.13 .450 11.43 .960 24.38 .460 11.68 .970 24.64 .470 11.94 .980 24.89 .480 12.19 .990 25.15 .490 12.45 1.000 25				
.320 8.13 .830 21.08 .330 8.38 .840 21.34 .340 8.64 .850 21.59 .350 8.89 .860 21.84 .360 9.14 .870 22.10 .370 9.40 .880 22.35 .380 9.65 .890 22.61 .390 9.91 .900 22.86 .400 10.16 .910 23.11 .410 10.41 .920 23.37 .420 10.67 .930 23.62 .430 10.92 .940 23.88 .440 11.18 .950 24.13 .450 11.43 .960 24.38 .460 11.68 .970 24.64 .470 11.94 .980 24.89 .480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000				
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.350 8.89 .860 21.84 .360 9.14 .870 22.10 .370 9.40 .880 22.35 .380 9.65 .890 22.61 .390 9.91 .900 22.86 .400 10.16 .910 23.11 .410 10.41 .920 23.37 .420 10.67 .930 23.62 .430 10.92 .940 23.88 .440 11.18 .950 24.13 .450 11.43 .960 24.38 .460 11.68 .970 24.64 .470 11.94 .980 24.89 .480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000				
.360 9.14 .870 22.10 .370 9.40 .880 22.35 .380 9.65 .890 22.61 .390 9.91 .900 22.86 .400 10.16 .910 23.11 .410 10.41 .920 23.37 .420 10.67 .930 23.62 .430 10.92 .940 23.88 .440 11.18 .950 24.13 .450 11.43 .960 24.38 .460 11.68 .970 24.64 .470 11.94 .980 24.89 .480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000				
.370 9.40 .880 22.35 .380 9.65 .890 22.61 .390 9.91 .900 22.86 .400 10.16 .910 23.11 .410 10.41 .920 23.37 .420 10.67 .930 23.62 .430 10.92 .940 23.88 .440 11.18 .950 24.13 .450 11.43 .960 24.38 .460 11.68 .970 24.64 .470 11.94 .980 24.89 .480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000				
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.420 10.67 .930 23.62 .430 10.92 .940 23.88 .440 11.18 .950 24.13 .450 11.43 .960 24.38 .460 11.68 .970 24.64 .470 11.94 .980 24.89 .480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00				
.430 10.92 .940 23.88 .440 11.18 .950 24.13 .450 11.43 .960 24.38 .460 11.68 .970 24.64 .470 11.94 .980 24.89 .480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .590 14.99 20.000 508.00	.420			
.440 11.18 .950 24.13 .450 11.43 .960 24.38 .460 11.68 .970 24.64 .470 11.94 .980 24.89 .480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 254.00 .590 14.99 20.000 508.00	.430	10.92		23.88
.450 11.43 .960 24.38 .460 11.68 .970 24.64 .470 11.94 .980 24.89 .480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00				
.460 11.68 .970 24.64 .470 11.94 .980 24.89 .480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00				
.480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00	.460	11.68	.970	24.64
.480 12.19 .990 25.15 .490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00	.470	11.94	.980	24.89
.490 12.45 1.000 25.40 .500 12.70 2.000 50.80 .510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00		12.19		25.15
.510 12.95 3.000 76.20 .520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00	.490	12.45	1.000	25.40
.520 13.21 4.000 101.60 .530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00	.500	12.70	2.000	50.80
.530 13.46 5.000 127.00 .540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00	.510	12.95	3.000	76.20
.540 13.72 6.000 152.40 .550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00	.520	13.21	4.000	101.60
.550 13.97 7.000 177.80 .560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00	.530	13.46	5.000	127.00
.560 14.22 8.000 203.20 .570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00	.540	13.72	6.000	152.40
.570 14.48 9.000 228.60 .580 14.73 10.000 254.00 .590 14.99 20.000 508.00	.550		7.000	177.80
.580 14.73 10.000 254.00 .590 14.99 20.000 508.00	.560		8.000	
.590 14.99 20.000 508.00				
			10.000	254.00
.600 15.24			20.000	508.00
	.600	15.24		

METRIC TO INCH CONVERSION TABLE

(Rounded-off for automotive use)

1 .0394 51 2.008 2 .079 52 2.047 3 .118 53 2.087 4 .157 54 2.126 5 .197 55 2.165 6 .236 56 2.205 7 .276 57 2.244 8 .315 58 2.283 9 .354 59 2.323 10 .394 60 2.362 11 .433 61 2.402 12 .472 62 2.441 13 .512 63 2.480 14 .551 64 2.520 15 .591 65 2.559 16 .630 66 2.598 17 .669 67 2.638 18 .709 68 2.677 19 .748 69 2.717 20 .787 70	mm	inches	mm	inches
2 .079 52 2.047 3 .118 53 2.087 4 .157 54 2.126 5 .197 55 2.165 6 .236 56 2.205 7 .276 57 2.244 8 .315 58 2.283 9 .354 59 2.323 10 .394 60 2.362 11 .433 61 2.402 12 .472 62 2.441 13 .512 63 2.480 14 .551 64 2.520 15 .591 65 2.559 16 .630 66 2.598 17 .669 67 2.638 18 .709 68 2.677 19 .748 69 2.717 20 .787 70 2.756 21 .827 71				
3 .118 53 2.087 4 .157 54 2.126 5 .197 55 2.165 6 .236 56 2.205 7 .276 57 2.244 8 .315 58 2.283 9 .354 59 2.323 10 .394 60 2.362 11 .433 61 2.402 12 .472 62 2.441 13 .512 63 2.480 14 .551 64 2.520 15 .591 65 2.559 16 .630 66 2.598 17 .669 67 2.638 18 .709 68 2.677 19 .748 69 2.717 20 .787 70 2.756 21 .827 71 2.795 22 .866 72				
4 .157 54 2.126 5 .197 55 2.165 6 .236 56 2.205 7 .276 57 2.244 8 .315 58 2.283 9 .354 59 2.323 10 .394 60 2.362 11 .433 61 2.402 12 .472 62 2.441 13 .512 63 2.480 14 .551 64 2.520 15 .591 65 2.559 16 .630 66 2.598 17 .669 67 2.638 18 .709 68 2.677 19 .748 69 2.717 20 .787 70 2.756 21 .827 71 2.795 22 .866 72 2.835 23 .906 73				
5 .197 55 2.165 6 .236 56 2.205 7 .276 57 2.244 8 .315 58 2.283 9 .354 59 2.323 10 .394 60 2.362 11 .433 61 2.402 12 .472 62 2.441 13 .512 63 2.480 14 .551 64 2.520 15 .591 65 2.559 16 .630 66 2.598 17 .669 67 2.638 18 .709 68 2.677 19 .748 69 2.717 20 .787 70 2.756 21 .827 71 2.795 22 .866 72 2.835 23 .906 73 2.874 24 .945 74				
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7 .276 57 2.244 8 .315 58 2.283 9 .354 59 2.323 10 .394 60 2.362 11 .433 61 2.402 12 .472 62 2.441 13 .512 63 2.480 14 .551 64 2.520 15 .591 65 2.559 16 .630 66 2.598 17 .669 67 2.638 18 .709 68 2.677 19 .748 69 2.717 20 .787 70 2.756 21 .827 71 2.795 22 .866 72 2.835 23 .906 73 2.874 24 .945 74 2.913 25 .984 75 2.953 26 1.024 76				
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13 .512 63 2.480 14 .551 64 2.520 15 .591 65 2.559 16 .630 66 2.598 17 .669 67 2.638 18 .709 68 2.677 19 .748 69 2.717 20 .787 70 2.756 21 .827 71 2.795 22 .866 72 2.835 23 .906 73 2.874 24 .945 74 2.913 25 .984 75 2.953 26 1.024 76 2.992 27 1.063 77 3.031 28 1.102 78 3.071 29 1.142 79 3.110 30 1.181 80 3.150 31 1.220 81 3.189 32 1.260 <t< th=""><th></th><th></th><th></th><th></th></t<>				
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16 .630 66 2.598 17 .669 67 2.638 18 .709 68 2.677 19 .748 69 2.717 20 .787 70 2.756 21 .827 71 2.795 22 .866 72 2.835 23 .906 73 2.874 24 .945 74 2.913 25 .984 75 2.953 26 1.024 76 2.992 27 1.063 77 3.031 28 1.102 78 3.071 29 1.142 79 3.110 30 1.181 80 3.150 31 1.220 81 3.189 32 1.260 82 3.228 33 1.299 83 3.268 34 1.339 84 3.307 35 1.378	14	.551	64	2.520
17 .669 67 2.638 18 .709 68 2.677 19 .748 69 2.717 20 .787 70 2.756 21 .827 71 2.795 22 .866 72 2.835 23 .906 73 2.874 24 .945 74 2.913 25 .984 75 2.953 26 1.024 76 2.992 27 1.063 77 3.031 28 1.102 78 3.071 29 1.142 79 3.110 30 1.181 80 3.150 31 1.220 81 3.189 32 1.260 82 3.228 33 1.299 83 3.268 34 1.339 84 3.307 35 1.378 85 3.346 36 1.417 86 3.386 37 1.457 87 3.425 <t< th=""><th>15</th><th>.591</th><th>65</th><th>2.559</th></t<>	15	.591	65	2.559
17 .669 67 2.638 18 .709 68 2.677 19 .748 69 2.717 20 .787 70 2.756 21 .827 71 2.795 22 .866 72 2.835 23 .906 73 2.874 24 .945 74 2.913 25 .984 75 2.953 26 1.024 76 2.992 27 1.063 77 3.031 28 1.102 78 3.071 29 1.142 79 3.110 30 1.181 80 3.150 31 1.220 81 3.189 32 1.260 82 3.228 33 1.299 83 3.268 34 1.339 84 3.307 35 1.378 85 3.346 36 1.417 86 3.386 37 1.457 87 3.425 <t< th=""><th>16</th><th>.630</th><th>66</th><th>2.598</th></t<>	16	.630	66	2.598
18 .709 68 2.677 19 .748 69 2.717 20 .787 70 2.756 21 .827 71 2.795 22 .866 72 2.835 23 .906 73 2.874 24 .945 74 2.913 25 .984 75 2.953 26 1.024 76 2.992 27 1.063 77 3.031 28 1.102 78 3.071 29 1.142 79 3.110 30 1.181 80 3.150 31 1.220 81 3.189 32 1.260 82 3.228 33 1.299 83 3.268 34 1.339 84 3.307 35 1.378 85 3.346 36 1.417 86 3.386 37 1.457			67	
19 .748 69 2.717 20 .787 70 2.756 21 .827 71 2.795 22 .866 72 2.835 23 .906 73 2.874 24 .945 74 2.913 25 .984 75 2.953 26 1.024 76 2.992 27 1.063 77 3.031 28 1.102 78 3.071 29 1.142 79 3.110 30 1.181 80 3.150 31 1.220 81 3.189 32 1.260 82 3.228 33 1.299 83 3.268 34 1.339 84 3.307 35 1.378 85 3.346 36 1.417 86 3.386 37 1.457 87 3.425 38 1.496				
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30 1.181 80 3.150 31 1.220 81 3.189 32 1.260 82 3.228 33 1.299 83 3.268 34 1.339 84 3.307 35 1.378 85 3.346 36 1.417 86 3.386 37 1.457 87 3.425 38 1.496 88 3.465 39 1.535 89 3.504 40 1.575 90 3.543 41 1.614 91 3.583 42 1.654 92 3.622 43 1.693 93 3.661 44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 <th></th> <th></th> <th></th> <th></th>				
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36 1.417 86 3.386 37 1.457 87 3.425 38 1.496 88 3.465 39 1.535 89 3.504 40 1.575 90 3.543 41 1.614 91 3.583 42 1.654 92 3.622 43 1.693 93 3.661 44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898				3.307
37 1.457 87 3.425 38 1.496 88 3.465 39 1.535 89 3.504 40 1.575 90 3.543 41 1.614 91 3.583 42 1.654 92 3.622 43 1.693 93 3.661 44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898				3.346
38 1.496 88 3.465 39 1.535 89 3.504 40 1.575 90 3.543 41 1.614 91 3.583 42 1.654 92 3.622 43 1.693 93 3.661 44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898	36	1.417	86	3.386
39 1.535 89 3.504 40 1.575 90 3.543 41 1.614 91 3.583 42 1.654 92 3.622 43 1.693 93 3.661 44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898	37	1.457	87	3.425
40 1.575 90 3.543 41 1.614 91 3.583 42 1.654 92 3.622 43 1.693 93 3.661 44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898	38	1.496	88	3.465
41 1.614 91 3.583 42 1.654 92 3.622 43 1.693 93 3.661 44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898	39	1.535	89	3.504
41 1.614 91 3.583 42 1.654 92 3.622 43 1.693 93 3.661 44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898	40	1.575	90	3.543
42 1.654 92 3.622 43 1.693 93 3.661 44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898	41		91	
43 1.693 93 3.661 44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898	42		92	
44 1.732 94 3.701 45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898				
45 1.772 95 3.740 46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898				
46 1.811 96 3.780 47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898				
47 1.850 97 3.819 48 1.890 98 3.858 49 1.929 99 3.898				
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1.709 100 3.937				
		1.703	100	3.731

ELS0003W

QUICK REFERENCE CHART 350Z

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

PFP:00000

Engine model		VQ35DE				
Firing order		1-2-3-4-5-6				
Idle speed A/T (In "P" or "N" position) M/T (In "Neutral" position)		rpm	650±50			
Ignition timing (BTDC at idle speed) A/T (In "P" or "N" position) M/T (In "Neutral" position)		15°± 5°				
CO% at idle			0	.7 - 9.9 % and e	engine runs smooth	ly
	Deflection adj	ustment	Unit: mm (in)	Tension adjust	ment	Unit: N (kg, lb)
Drive belt		Used belt	New belt	Us	ed belt	New belt
	Limit	After adjustment	New Belt	Limit	After adjustment	New Beit
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 pressu	re	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	Standard	kPa (kg/cm ² , psi)/rpm				
	Minimum				.0, 185) / 300	
	Differential limit between cylinders		981 (10.0, 142) / 300 98 (1.0, 14) / 300			
Charle plug	<u> </u>		98 (1.0, 14) / 300 PLFR5A - 11			
Spark plug	Hot type				R4A - 11	
	Cold type		PLFR6A - 11			
Gap (Nominal)) mm (in)	1.1 (0.043)			

FRONT WHEEL ALIGNMENT (Unladen*)

ELS0003X

Camber	Degree minute (Decimal degree)	Minimum	- 1° 20′ (- 1.33°)
		Nominal	- 0° 35′ (- 0.58°)
		Maximum	0° 10′ (0.17°)
		Left and right difference	45' (0.75°)
Caster	Degree minute (Decimal degree)	Minimum	7° 25′ (7.42°)
		Nominal	8° 10′ (8.17°)
		Maximum	8° 55′ (8.92°)
		Left and right difference	45' (0.75°)
Kingpin inclination	Degree minute (Decimal degree)	Minimum	4° 20′ (4.33°)
		Nominal	5° 05′ (5.08°)
		Maximum	5° 50′ (5.83°)
Total toe-in	mm (in)	Minimum	0(0)
Distance (A – B)		Nominal	1 (0.04)
		Maximum	2 (0.08)
Wheel turning angle (Full turn)	Inside	Minimum	35° 55′ (35.9°)
	Degree minute (Decimal degree)	Nominal	38° 55′ (38.9°)
		Maximum	39° 55′ (39.9°)
	Outside	Nominal	200 40/ / 20 70 \
	Degree minute (Decimal degree)	Nominal	30° 40′ (30.7°)

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

REAR WHEEL ALIGNMENT (Unladen*)

ELS0003Y

Camber	Degree minute (Decimal degree)	Minimum	- 2° 05′ (- 2.08°)
		Nominal	- 1° 35′ (- 1.58°)
		Maximum	- 1° 05′ (- 1.08°)
Total-in	mm (in)	Minimum	0.2 mm (0.008 in) [17 inch tire] 1.1 mm (0.043 in) [18 inch tire]
Distance (A – B)		Nominal	1.0 mm (0.039 in) [17 inch tire] 1.9 mm (0.075 in) [18 inch tire]
		Maximum	1.8 mm (0.071 in) [17 inch tire] 2.7 mm (0.106 in) [18 inch tire]

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

BRAKE

ELS0003Z

Unit: mm (in)

Front brake	Pad wear limit	2.0 (0.079)
	Rotor repair limit	CLZ25VD : 22.0 (0.866) OPB27VA : 28.4 (1.118)
Rear brake	Pad wear limit	2.0 (0.079)
	Rotor repair limit	AD14VE: 14.0 (0.551) OPB13VB: 20.2 (0.795)
Pedal free he	eight	M/T : 154 - 164 (6.06 - 6.46) A/T : 162 - 172 (6.38 - 6.77)
Pedal depressed height*		M/T : More than 90 (3.54) A/T : More than 95 (3.74)

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

QUICK REFERENCE CHART 350Z

REFILL CAPACITIES

ELS00040

UNIT		Liter	US measure
Fuel tank		76	20 gal
Engine coolant (With reservoir tank)		8.7	9 - 1/4 qt
	Drain and refill		
Engino	With oil filter change	4.7	5 qt
Engine	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