	QUICK REFERENCE INDEX			
Edition: July 2009 Publication No. SM0E-1Z34U0	A GENERAL INFORMATION	GI	General Information	
Publication No. SMUE-123400	B ENGINE	EM	Engine Mechanical	A
		LU	Engine Lubrication System	
		CO	Engine Cooling System	
		EC	Engine Control System	B
		FL	Fuel System	
		EX	Exhaust System	
		STR	Starting System	
		ACC		
	C HYBRID			
	D TRANSMISSION & DRIVE-	CL	Clutch	D
	LINE	ТМ	Transaxle & Transmission	
		DLN	Driveline	Ε
		FAX	Front Axle	
		RAX	Rear Axle	
	E SUSPENSION	FSU	Front Suspension	
NISSAN		RSU	Rear Suspension	
INISSAIN				F
370Z		WT	Road Wheels & Tires	
	F BRAKES	BR	Brake System	
MODEL Z34 SERIES		PB	Parking Brake System	G
		BRC	Brake Control System	
	G STEERING	ST	Steering System	
		STC	Steering Control System	H
	H RESTRAINTS	SB	Seat Belt	
		SBC	Seat Belt Control System	
		SR	SRS Airbag	
		SRC	SRS Airbag Control System	
	I VENTILATION, HEATER &	VTL	Ventilation System	
	AIR CONDITIONER	HA	Heater & Air Conditioning System	
		HAC	Heater & Air Conditioning Control System	J
	J BODY INTERIOR	INT	Interior	
		IP	Instrument Panel	
		SE	Seat	
	K BODY EXTERIOR, DOORS, ROOF & VEHICLE	DLK	Door & Lock	
	SECURITY	SEC	Security Control System	
		GW	Glass & Window System	
		PWC	Power Window Control System	
		RF	Roof	
		EXT	Exterior	
		BRM	Body Repair	
	L DRIVER CONTROLS	MIR	Mirrors	Μ
		EXL	Exterior Lighting System	
		INL	Interior Lighting System	
©2009NISSAN MOTOR CO., LTD.		ww	Wiper & Washer	
		DEF	Defogger	
		HRN	Horn	
All rights reserved. No part	M ELECTRICAL & POWER CONTROL	PWO	Power Outlet	
of this Service Manual may	GONTROL	BCS	Body Control System	
be reproduced or stored in a		LAN	LAN System	
retrieval system, or transmit-		PCS	Power Control System	
ted in any form, or by any		CHG	Charging System	
means, electronic, mechani-		PG	Power Supply, Ground & Circuit Elements	
cal, recording or otherwise,	N DRIVER INFORMATION & MULTIMEDIA	MWI	Meter, Warning Lamp & Indicator	
without the prior written per-	MOETIMEDIA	WCS	Warning Chime System	
mission of Nissan Motor			And's Manal O Navination Oractan	
Company Ltd., Tokyo, Japan.		AV	Audio, Visual & Navigation System	
	O CRUISE CONTROL		Maintenance	
	P MAINTENANCE	MA	Maintenance	

FOREWORD

This manual contains maintenance and repair procedure for the 2010 NISSAN 370Z.

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.

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QUICK REFERENCE CHART 370Z

QUICK REFERENCE CHART 370Z ENGINE TUNE-UP DATA (VQ37VHR)

Engine model		VQ37VHR	
Firing order			1-2-3-4-5-6
ldle speed A/T (In "P or N" position) M/T (In Neutral position)		rpm	650 ± 50
Ignition timing (BTDC at idle speed)			$10^\circ\pm5^\circ$
CO% at idle			0.7 - 9.9 % and engine runs smoothly
Tensions of drive belts			Auto adjustment by auto tensioner
Radiater cap relief pressure kPa (kg/cm ² , psi)		kPa (kg/cm ² , psi)	
	Standard		122.3 - 151.7 (1.2 - 1.5, 18 - 22)
	Limit		107 (1.1, 16)
Cooling system leakage testing pressure kPa (kg/cm ² , psi)		kPa (kg/cm², psi)	157 (1.6, 23)
Compression pressure		kPa (kg/cm ² , psi)/200 rpm	
	Standard		1,667 - 2,354 (17 - 24, 242 - 341)
	Minimum		1,226 (12.5, 178)
	Differential limit b	etween cylinders	98 (1.0, 14)
	Make		DENSO
Spark plug (Iridium-tipped type)	Standard type		FXE24HR11
(maiam-upped type)	Gap (Nominal)	mm (in)	1.1 (0.043)

ELS0003W

PFP:00000

FRONT WHEEL ALIGNMENT

ELS0003X

2010

Camber Degree minute (Decimal degree)		Minimum	-1° 25′ (-1.41°)
		Nominal	-0° 40′ (-0.67°)
		Maximum	0° 05′ (0.08°)
		Left and right difference	0° 33′ (0.55°) or less
		Minimum	4° 25′ (4.42°)
Caster		Nominal	5° 10′ (5.17°)
Degree minute (Decimal degree)		Maximum	5° 55′ (5.91°)
		Left and right difference	0° 39′ (0.65°) or less
		Minimum	6° 55′ (6.92°)
Kingpin inclin	nation te (Decimal degree)	Nominal	7° 40′ (7.67°)
209.00		Maximum	8° 25′ (8.41°)
		Minimum	In 1 mm (0.04 in)
	Total toe-in Distance	Nominal	In 2 mm (0.08 in)
Toe-in	Distance	Maximum	In 3 mm (0.11 in)
		Minimum	In 0° 03′ (0.05°)
	Toe angle (Left wheel or right wheel) Degree minute (Decimal degree)	Nominal	In 0° 05′ (0.08°)
		Maximum	In 0° 07′ (0.11°)

Measure value under unladen* conditions.

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

REAR WHEEL ALIGNMENT

Wheel size		18 inch	19 inch	
Camber Degree minute (Decimal degree)		Minimum	-2° 10′ (-2.16°)	
		Nominal	-1° 40′ (-1.67°)	
		Maximum	-1° 10′ (-1.17°)	
	Total toe-in Distance	Minimum	In 2.0 mm (0.079 in)	In 2.0 mm (0.079 in)
		Nominal	In 3.8 mm (0.150 in)	In 3.7 mm (0.146 in)
Гoe-in		Maximum	In 5.6 mm (0.221 in)	In 5.4 mm (0.213 in)
Toe angle (Left wheel or right wheel)	Minimum	In 0° 05′ (0.09°)		
	Toe angle (Left wheel or right wheel) Degree minute (Decimal degree)	Nominal	In 0° 09′ (0.15°)	
		Maximum	In 0° 13′ (0.21°)	

Measure value under unladen* conditions.

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

BRAKE PEDAL

Unit : mm (in.)

ELS0003Y

Depressed brake pedal height (H1)	171.5 - 181.5 (6.75 - 7.15)
Brake pedal reserve height (H2) [Depressing 490 N (50 kg, 110 lb) while turning the engine ON]	124.0 (4.88) or more

QUICK REFERENCE CHART 370Z

FRONT DISK BRAKE 2 Piston Type

		Unit : mm (in.)
Brake pad	Wear limit thickness	2.0 (0.079)
Disc rotor	Wear limit thickness	26.0 (1.024)

4 Piston Type

Unit	÷	mm	(in.)

Unit : mm (in.)

ELS00040

Brake pad	Wear limit thickness	2.0 (0.079)
Disc rotor	Wear limit thickness	30.0 (1.181)

REAR DISK BRAKE

1 Piston Type

Brake pad	Wear limit thickness	2.0 (0.079)
Disc rotor	Wear limit thickness	14.0 (0.551)

2 Piston Type

		Unit : mm (in.)
Brake pad	Wear limit thickness	2.0 (0.079)
Disc rotor	Wear limit thickness	18.0 (0.709)

REFILL CAPACITIES

UNIT Liter US measure Imp measure Fuel tank 71.9 19 gal 15-7/8 gal A/T models 8.5 7-1/2 qt 9 qt Engine Coolant (With reservoir tank) at MAX level M/T models 8.6 9-1/8 qt 7-5/8 qt Drain and refill With oil filter change 5-1/8 qt 4-1/4 qt 4.9 Engine oil Without oil filter change 4-7/8 qt 4.6 4 qt Dry engine (Overhaul) 5.7 6 qt 5 qt A/T 9.2 9-3/4 qt 8-1/8 qt Transmission M/T 2.83 5 pt 6 pt Final drive Rear 1.4 3 pt 2-1/2 pt Power steering system 1.0 1-1/8 qt 7/8 qt Compressor oil 0.15 5.07 fl oz 5.3 fl oz Air conditioning system 1.1 lb 1.1 lb Refrigerant 0.5 kg