	OURON DESERVATION INDEX		
Edition: October 2010	QUICK REFERENCE INDEX		
Revision: October 2011	A GENERAL INFORMATION	GI	General Information
Publication No. SM1E-1Z34U1	B ENGINE	EM LU	Engine Mechanical Engine Lubrication System
		CO	Engine Cooling System
		EC	Engine Control System
		FL	Fuel System
		EX	Exhaust System
		STR	Starting System
	O ELECTRIC POWER TRAIN	ACC	Accelerator Control System
	C ELECTRIC POWER TRAIN		
	D. TDANOMICCION & DDIVELING	01	Objects
	D TRANSMISSION & DRIVELINE	CL TM	Clutch Transaxle & Transmission
		DLN	Driveline
		FAX	Front Axle
		RAX	Rear Axle
NISSAN	E SUSPENSION	FSU	Front Suspension
		RSU	Rear Suspension
370Z		VA/T	Road Wheels & Tires
MODEL Z34 SERIES	F BRAKES	WT BR	Brake System
MODEL 20+ SERIES	r BRARES	PB	Parking Brake System
		BRC	Brake Control System
	G STEERING	ST	Steering System
		STC	Steering Control System
	H RESTRAINTS	SB	Seat Belt
		SBC	Seat Belt Control System
		SR SRC	SRS Airbag SRS Airbag Control System
	I VENTILATION, HEATER & AIR		Ventilation System
	CONDITIONER	HA	Heater & Air Conditioning System
		HAC	Heater & Air Conditioning Control System
	J BODY INTERIOR	INT	Interior
		IP OF	Instrument Panel
		SE	Seat
	K BODY EXTERIOR, DOORS,	DLK	Door & Lock
	ROOF & VEHICLÉ 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
		EXL	Exterior Lighting System
		INL	Interior Lighting System
		WW	Wiper & Washer
		DEF HRN	Defogger Horn
© 2011 NISSAN MOTOR CO.,LTD.		HINN	
	M ELECTRICAL & POWER CON-	PWO	Power Outlet
	TROL	BCS	Body Control System
		LAN	LAN System
All Rights Reserved No part		PCS	Power Control System
All Rights Reserved. No part			
of this Service Manual may		CHG	Charging System Power Supply Ground & Circuit Floments
of this Service Manual may be reproduced or stored in a	N DRIVER INFORMATION &	PG	Power Supply, Ground & Circuit Elements
of this Service Manual may be reproduced or stored in a retrieval system, or transmit-	N DRIVER INFORMATION & MULTIMEDIA	PG MWI	Power Supply, Ground & Circuit Elements Meter, Warning Lamp & Indicator
of this Service Manual may be reproduced or stored in a retrieval system, or transmit- ted in any form, or by any		PG	Power Supply, Ground & Circuit Elements
of this Service Manual may be reproduced or stored in a retrieval system, or transmit- ted in any form, or by any means, electronic, mechani-		PG MWI	Power Supply, Ground & Circuit Elements Meter, Warning Lamp & Indicator Warning Chime System Audio, Visual & Navigation System
of this Service Manual may be reproduced or stored in a retrieval system, or transmit- ted in any form, or by any means, electronic, mechani- cal, recording or otherwise,	MULTIMEDIA O CRUISE CONTROL &	PG MWI WCS	Power Supply, Ground & Circuit Elements Meter, Warning Lamp & Indicator Warning Chime System
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of this Service Manual may be reproduced or stored in a retrieval system, or transmit- ted in any form, or by any means, electronic, mechani- cal, recording or otherwise, without the prior written per- mission of NISSAN MOTOR	O CRUISE CONTROL & DRIVER ASSISTANCE	PG MWI WCS AV CCS	Power Supply, Ground & Circuit Elements Meter, Warning Lamp & Indicator Warning Chime System Audio, Visual & Navigation System Cruise Control System
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FOREWORD

This manual contains maintenance and repair procedure for the 2011 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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Nissan North America, Inc. Technical Service Information 39001 Sunrise Drive, P.O. Box 9200 Farmington Hills, MI USA 48331 FAX: (248) 488-3880

SERVICE MANUAL: Model: ______ Year: _____ PUBLICATION NO. (Refer to Quick Reference Index): _____ Please describe any Service Manual issues or problems in detail: Page number(s) ______ Note: Please include a copy of each page, marked with your comments. Are the trouble diagnosis procedures logical and easy to use? (circle your answer) NO If no, what page number(s)?_____Note: Please include a copy of each page, marked with your comments. Please describe the issue or problem in detail: Is the organization of the manual clear and easy to follow? (circle your answer) NO Please comment: What information should be included in NISSAN Service Manuals to better support you in servicing or repairing customer vehicles? DATE: _____ YOUR NAME: ____ _____ POSITION: _____ DEALER: _____ DEALER NO.: ____ ADDRESS: ___ _____ STATE/PROV./COUNTRY: _____ ZIP/POSTAL CODE: ____

ELS0003W

QUICK REFERENCE CHART 370Z

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

PFP:00000

Engine model			VQ37VHR
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)			10° ± 5°
Tensions of drive belt			Auto adjustment by auto tensioner
Radiater cap relief pressure kPa (kg/cm², psi		(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/cm², psi)		(kg/cm ² , psi)	157 (1.6, 23)
Compression pressure	kPa (kg/cm²,	psi)/200 rpm	
	Standard		1,667 - 2,354 (17 - 24, 242 - 341)
	Minimum		1,226 (12.5, 178)
	Differential limit between cylind	ders	98 (1.0, 14)
	Make		DENSO
Spark plug (Iridium-tipped type)	Standard type		FXE24HR11
(Gap (Nominal)	mm (in)	1.1 (0.043)

FRONT WHEEL ALIGNMENT

ELS0003X

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 minu	te (Decimal degree)	Maximum	5° 55′ (5.91°)
		Left and right difference	0° 39′ (0.65°) or less
		Minimum	6° 55′ (6.92°)
Kingpin inclir	nation ite (Decimal degree)	Nominal	7° 40′ (7.67°)
209.00	(2 coa. dog.cc)	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		Maximum	In 3 mm (0.11 in)
	Toe angle (Left wheel or right wheel) Degree minute (Decimal degree)	Minimum	In 0° 03′ (0.05°)
		Nominal	In 0° 05′ (0.08°)
'		Maximum	In 0° 07′ (0.11°)

Measure value under unladen* conditions.

REAR WHEEL ALIGNMENT

ELS0003Y

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°)	
o (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)
		Maximum	In 5.6 mm (0.221 in)	In 5.4 mm (0.213 in)
	Toe angle (Left wheel or right wheel) Degree minute (Decimal degree)	Minimum	In 0° 05′ (0.09°)	
		Nominal	In 0° 09′ (0.15°)	
	l g a a a communicación de la communicación de	Maximum	In 0° 13′ (0.21°)	

Measure value under unladen* conditions.

BRAKE PEDAL

Unit: mm (in.)

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

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

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

FRONT DISC 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.)

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

REAR DISC BRAKE

1 Piston Type

Unit: mm (in.)

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

ELS00040

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

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