Edition: October 2010	QUICK REFERENCE INDEX		
Revision: December 2011	A GENERAL INFORMATION	GI	General Information
Publication No. SM1E-1H36U1	B ENGINE	EM	Engine Mechanical
		LU	Engine Lubrication System
		CO	Engine Cooling System
		EC FL	Engine Control System Fuel System
		EX	Exhaust System
		STR	Starting System
		ACC	Accelerator Control System
	C ELECTRIC POWER TRAIN		
	D TRANSMISSION & DRIVELINE	CL	Clutch
	D TRANSMISSION & BRIVELINE	TM	Transaxle & Transmission
		DLN	Driveline
		FAX	Front Axle
		RAX	Rear Axle
	E SUSPENSION	FSU	Front Suspension
		RSU	Rear Suspension
INFINITI®		NA/T	Designation of The second
	F BRAKES	WT	Road Wheels & Tires Brake System
G Convertible	F BRAKES	BR PB	Parking Brake System
MODEL V36 SERIES		BRC	Brake Control System
WODEL V30 SERIES	G STEERING	ST	Steering System
	o oreemio	STC	Steering Control System
	H RESTRAINTS	SB	Seat Belt
		SBC	Seat Belt Control System
		SR	SRS Airbag
		SRC	SRS Airbag Control System
	I VENTILATION, HEATER & AIR CONDITIONER		Ventilation System
	CONDITIONER	HA	Heater & Air Conditioning System
	L BODY INTERIOR	HAC	Heater & Air Conditioning Control System
	J BODY INTERIOR	INT IP	Interior Instrument Panel
		SE	Seat
		ADP	Automatic Drive Positioner
	K BODY EXTERIOR, DOORS,	DLK	Door & Lock
	ROOF & VEHICLE SECURITY	SEC	Security Control System
		GW	Glass & Window System
		PWC	Power Window Control System
		RF	Roof
		EVE	Federales
		EXT	Exterior
	L DRIVER CONTROLS	BRM MIR	Body Repair Mirrors
	L DRIVER CONTROLS	EXL	Exterior Lighting System
		INL	Interior Lighting System
		ww	Wiper & Washer
		DEF	Defogger
		HRN	Horn
	M ELECTRICAL A ECHIEF COM	Butte	Bound Order
	M ELECTRICAL & POWER CON- TROL		Power Outlet
		BCS LAN	Body Control System LAN System
All Rights Reserved. No part		PCS	Power Control System
of this Service Manual may		CHG	Charging System
be reproduced or stored in a		PG	Power Supply, Ground & Circuit Elements
retrieval system, or transmit-	N DRIVER INFORMATION &	MWI	Meter, Warning Lamp & Indicator
ted in any form, or by any means, electronic, mechani-	MULTIMEDIA	WCS	Warning Chime System
		SN	Sonar System
		ΑV	Audio, Visual & Navigation System
cal, recording or otherwise,	O CRUISE CONTROL &	CCS	Cruise Control System
without the prior written per-	DRIVER ASSISTANCE		
mission of NISSAN MOTOR	P MAINTENANCE	MA	Maintonanco
CO., LTD.	P MAINTENANCE	MA	Maintenance

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FOREWORD

This manual contains maintenance and repair procedure for the 2011 INFINITI G Convertible.

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

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.





PLEASE HELP MAKE THIS SERVICE MANUAL BETTER!

Your comments are important to INFINITI 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) 488-3880

SERVICE MANUA	AL: Model:	Year:			
PUBLICATION NO. (Refer to Quick Reference Index): Please describe any Service Manual issues or problems in detail:					
Are the trouble o	diagnosis procedures logical and	easy to use? (circle your answer) YES NO			
		e include a copy of each page, marked with your comments.			
	` '				
Is the organization	on of the manual clear and easy t	to follow? (circle your answer) YES NO			
_					
Tiodoo commicina					
What information repairing custom		Service Manuals to better support you in servicing or			
DATE:	YOUR NAME:	POSITION:			
DEALER:	DEALER NO.:	ADDRESS:			
CITY:	STATE/PROV./COU	JNTRY: ZIP/POSTAL CODE:			

QUICK REFERENCE CHART G CONVERTIBLE ENGINE TUNE-UP DATA (VQ37VHR)

PFP:00000

ELS0003W

Engine model			VQ37VHR	
Firing order			1-2-3-4-5-6	
Idle speed rpm 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 pressu	Radiater cap relief pressure kPa (kg/cm², 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)		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 lim	it between cylinders	98 (1.0, 14)	
	Make		DENSO	
Spark plug (Iridium-tipped type)	Standard type		FXE24HR11	
	Con	Standard	1.1 mm (0.043 in)	
	Gap Limit		1.4 mm (0.055 in)	

FRONT WHEEL ALIGNMENT

ELS0003X

Wheel size		225/50R18	225/45R19	
Camber Degree minute (Decimal degree)		Minimum	-1° 10′ (-1.16°)	
		Nominal	-0° 25′ (-0.42°)	
		Maximum	0° 20′ (0.33°)	
		Left and right difference	0° 33′ (0.55°) or less	
Caster Degree minute (Decimal degree)		Minimum	4° 05′ (4.09°)	4° 10′ (4.17°)
		Nominal	4° 50′ (4.83°)	4° 55′ (4.92°)
		Maximum	5° 35′ (5.58°)	5° 40′ (5.66°)
		Left and right difference	0° 39′ (0.65°) or less	
		Minimum	6° 40′ (6.67°)	
Kingpin ind	lination nute (Decimal degree)	Nominal	7° 25′ (7.42°)	
Degree minute (Decimal degree)		Maximum	8° 10′ (8.16°)	
		Minimum	0 mm (0.00 in)	
Toe-in	Total toe-in Distance	Nominal	In 1 mm (0.04 in)	
		Maximum	In 2 mm (0.08 in)	
		Minimum	0° 00′ (0.00°)	
	Toe angle (left wheel or right wheel) Degree minute (Decimal degree)	Nominal	In 0° 02′ 30″ (0.04°)	
		Maximum	In 0° 05′ (0.08°)	

Measure value under unladen* conditions.

REAR WHEEL ALIGNMENT

ELS0003Y

Camber Degree minute (Decimal degree)		Minimum	-1° 50′ (-1.83°)
		Nominal	-1° 20′ (-1.33°)
		Maximum	-0° 50′ (-0.84°)
Total toe-in Distance Toe-in Toe angle (left wheel or right wheel) Degree minute (Decimal degree)	Minimum	0 mm (0.00 in)	
		Nominal	In 2.8 mm (0.110 in)
		Maximum	In 5.6 mm (0.220 in)
	, , , , , , , , , , , , , , , , , , ,	Minimum	0° 00′ (0.00°)
		Nominal	In 0° 07′ (0.12°)
	3 (11 11 11 11 11 11 11	Maximum	In 0° 14′ (0.23°)

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

1 Piston Type

Unit: mm (in)

Item		Limit	
Brake pad	Wear thickness	2.0 (0.079)	
	Wear thickness	30.0 (1.181)	
Disc rotor	Thickness variation (measured at 8 positions)	0.015 (0.0006)	
	Runout (with it attached to the vehicle)	0.035 (0.0014)	

4 Piston Type

Unit: mm (in)

Item		Limit	
Brake pad	Wear thickness	2.0 (0.079)	
	Wear thickness	30.0 (1.181)	
Disc rotor	Thickness variation (measured at 8 positions)	0.015 (0.0006)	
	Runout (with it attached to the vehicle)	0.035 (0.0014)	

REAR DISC BRAKE

1 Piston Type

Unit: mm (in)

Item		Limit	
Brake pad	Wear thickness	2.0 (0.079)	
	Wear thickness	15.0 (0.591)	
Disc rotor	Thickness variation (measured at 8 positions)	0.015 (0.0006)	
	Runout (with it attached to the vehicle)	0.055 (0.0022)	

2 Piston Type

Unit: mm (in)

Item		Limit	
Brake pad	Wear thickness	2.0 (0.079)	
	Wear thickness	18.0 (0.709)	
Disc rotor	Thickness variation (measured at 8 positions)	0.015 (0.0006)	
	Runout (with it attached to the vehicle)	0.055 (0.0022)	

QUICK REFERENCE CHART G CONVERTIBLE

2011

REFILL CAPACITIES

ELS00040

UNIT		Liter	US measure
Fuel tank		75.6	20 gal
Engine coolant capacity [With reservoir tank	A/T models	8.5	9 qt
("MAX" level)]	M/T models	8.6	9-1/8 qt
	Drain and refill		
Engine oil	With oil filter change	4.9	5-1/8 qt
Engine oil	Without oil filter change	4.6	4-7/8 qt
	Dry engine (Overhaul)	5.7	6 qt
Tananciation	A/T	9.2	9-3/4 qt
Transmission	M/T	2.83	6 pt
Final drive		1.4	3 pt
Power steering system		1.0	1-1/8 qt
At the state of	Compressor oil	0.15	5.07 fl oz
Air conditioning system	Refrigerant	0.55 kg	1.21 lb