

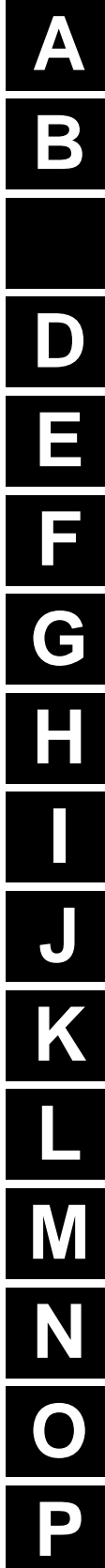
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QUICK REFERENCE INDEX



A GENERAL INFORMATION	GI General Information
B ENGINE	EM Engine Mechanical
	LU Engine Lubrication System
	CO Engine Cooling System
	EC Engine Control System
	FL Fuel System
	EX Exhaust System
	STR Starting System
C ELECTRIC POWER TRAIN	ACC Accelerator Control System
D TRANSMISSION & DRIVELINE	CL Clutch
	TM Transaxle & Transmission
	DLN Driveline
	FAX Front Axle
E SUSPENSION	RAX Rear Axle
	FSU Front Suspension
	RSU Rear Suspension
	WT Road Wheels & Tires
F BRAKES	BR Brake System
	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 SRS Airbag
	SRC SRS Airbag Control System
	VTL Ventilation System
I VENTILATION, HEATER & AIR CONDITIONER	HA Heater & Air Conditioning System
	HAC Heater & Air Conditioning Control System
J BODY INTERIOR	INT Interior
	IP Instrument Panel
	SE Seat
	ADP Automatic Drive Positioner
	DLK Door & Lock
	SEC Security Control System
	GW Glass & Window System
K BODY EXTERIOR, DOORS, ROOF & VEHICLE SECURITY	PWC Power Window Control System
	RF Roof
	EXT Exterior
	BRM Body Repair
	MIR Mirrors
	EXL Exterior Lighting System
	INL Interior Lighting System
	WW Wiper & Washer
	DEF Defogger
HRN Horn	
L DRIVER CONTROLS	
M ELECTRICAL & POWER CONTROL	PWO Power Outlet
	BCS Body Control System
	LAN LAN System
	PCS Power Control System
	CHG Charging System
	PG Power Supply, Ground & Circuit Elements
N DRIVER INFORMATION & MULTIMEDIA	MWI Meter, Warning Lamp & Indicator
	WCS Warning Chime System
	SN Sonar System
	AV Audio, Visual & Navigation System
	CCS Cruise Control System
O CRUISE CONTROL & DRIVER ASSISTANCE	
P MAINTENANCE	MA Maintenance

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FOREWORD

This manual contains maintenance and repair procedure for the 2013 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 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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SERVICE MANUAL: Model: _____ **Year:** _____

PUBLICATION NO. (Refer to Quick Reference Index): _____

Please describe any Service Manual issues or problems in detail:

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QUICK REFERENCE CHART G CONVERTIBLE

PFP:00000

ENGINE TUNE-UP DATA (VQ37VHR)

ELS0003W

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	Belt tension is not necessary, as it is automatically adjusted by drive belt auto-tensioner.		
Radiator cap relief pressure	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)	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 between cylinders	98 (1.0, 14)		
Spark plug (Iridium-tipped type)	Make	DENSO	
	Standard type	FXE24HR11	
	Gap	Standard	1.1 mm (0.043 in)
		Limit	1.4 mm (0.055 in)

FRONT WHEEL ALIGNMENT

ELS0003X

Item		Standard		
		18 inch	19 inch	
Wheel size				
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		
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 40' (6.67°)		
	Nominal	7° 25' (7.42°)		
	Maximum	8° 10' (8.16°)		
Toe-in	Total toe-in Distance	Minimum	Out 1 mm (Out 0.03 in)	
		Nominal	In 1 mm (In 0.04 in)	
		Maximum	In 3 mm (In 0.11 in)	
	Total toe-angle Degree minute (Decimal Degree)	Minimum	Out 0° 04' 48" (Out 0.08°)	
		Nominal	In 0° 04' 48" (In 0.08°)	
		Maximum	In 0° 15' 00" (In 0.25°)	

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

ELS0003Y

Item		Standard		
Camber Degree minute (Decimal degree)	Minimum	-1° 50' (-1.83°)		
	Nominal	-1° 20' (-1.33°)		
	Maximum	-0° 50' (-0.84°)		
Toe-in	Total toe-in Distance	Minimum	0 mm (0.00 in)	
		Nominal	In 2.8 mm (In 0.110 in)	
		Maximum	In 5.6 mm (In 0.220 in)	
	Total toe-angle Degree minute (Decimal degree)	Minimum	0° 00' (0.00°)	
		Nominal	In 0° 14' 24" (In 0.24°)	
		Maximum	In 0° 28' 12" (In 0.47°)	

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)

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

FRONT DISC BRAKE

1 Piston Type

Unit: mm (in)

Item		Limit
Brake pad	Wear thickness	2.0 (0.079)
Disc rotor	Wear thickness	30.0 (1.181)
	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)
Disc rotor	Wear thickness	30.0 (1.181)
	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)
Disc rotor	Wear thickness	15.0 (0.591)
	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)
Disc rotor	Wear thickness	18.0 (0.709)
	Thickness variation (measured at 8 positions)	0.015 (0.0006)
	Runout (with it attached to the vehicle)	0.055 (0.0022)

REFILL CAPACITIES

EL500040

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