	OUICK DECEDENCE INDEX		
Edition: August 2008	QUICK REFERENCE INDEX		
Publication No. SM9E-1S35U0	A GENERAL INFORMATION	GI	General Information
	B ENGINE	EM	Engine Mechanical
		LU	Engine Lubrication System
		СО	Engine Cooling System
		EC	Engine Control System
		FL	Fuel System
		EX	Exhaust System
		STR	Starting System
		ACC	Accelerator Control System
	C HYBRID		
	D TRANSMISSION & DRIVE-		
	LINE	TM	Transaxle & Transmission
		DLN	Driveline
		FAX	Front Axle
		RAX	Rear Axle
	E SUSPENSION	FSU	Front Suspension
NISSAN		RSU	Rear Suspension
DOCLIE			
ROGUE		WT	Road Wheels & Tires
MODEL S35 SERIES	F BRAKES	BR	Brake System
MODEL 333 SERIES		PB	Parking Brake System
		BRC	Brake Control System
	G STEERING	ST	Steering System
		STC	Steering Control System
	H RESTRAINTS	SB	Seat Belt
		SR	SRS Airbag
		SRC	SRS Airbag Control System
	I VENTILATION, HEATER & AIR CONDITIONER	VTL	Ventilation System
		HA	Heater & Air Conditioning System
		HAC	Heater & Air Conditioning Control System
	J BODY INTERIOR	INT	Interior
		IP	Instrument Panel
		SE	Seat
	K BODY EXTERIOR,	DLK	
	SECURITY	SEC	Security Control System
		GW	Glass & Window System
		PWC	Power Window Control System
		RF	Roof
		EXT	Exterior
	L DRIVER COMPANY	BRM	Body Repair
	L DRIVER CONTROLS	MIR	Mirrors
		EXL	Exterior Lighting System
		INL	Interior Lighting System
© 2008 NISSAN MOTOR CO.,LTD.		WW	Wiper & Washer
		DEF	Defogger
All while a service of M	M ELECTRICAL & DOMES	HRN	Horn
All rights reserved. No part	M ELECTRICAL & POWER CONTROL	PWO	Power Outlet
of this Service Manual may		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-	N. DDIVED INCORRESTON	PG	Power Supply, Ground & Circuit Elements
cal, recording or otherwise,	N DRIVER INFORMATION & MULTIMEDIA	MWI	Meter, Warning Lamp & Indicator
without the prior written per-	MOLI MILDIA	WCS	Warning Chime System
mission of Nissan Motor		A.) (Audia Vianal 9 Nation Com
Company Ltd., Tokyo, Japan.	O COLUCE CONTEST	AV	Audio, Visual & Navigation System
Joinpany Liu., Tokyo, Japan.	O CRUISE CONTROL	NAA	Maintanana
	P MAINTENANCE	MA	Maintenance

A

B

G

M

N

P

FOREWORD

This manual contains maintenance and repair procedure for the 2009 NISSAN ROGUE.

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.

ELS0003W

QUICK REFERENCE CHART S35

QUICK REFERENCE CHART S35 ENGINE TUNE-UP DATA (QR25DE)

PFP:00000

Engine model		QR25DE
Firing order		1 - 3 - 4 - 2
Idle speed CVT (In "P" or "N" position	rpm	700 ± 50
Ignition timing (BTDC at idle speed)		15° ± 5°
CO% at idle		0.7 - 9.9 % and engine runs smoothly
Tensions of drive belts		Auto adjustment by auto tensioner
Radiator cap relief pressu	re kPa (kg/cm² , psi)	
	Standard	78.4 - 98.0 (0.8 - 1.0, 11 - 14)
	Limit	59 (0.6, 9)
Cooling system leakage testing pressure kPa (kg/cm², psi)		157 (1.60, 22.8)
Compression pressure	kPa (kg/cm² , psi)/rpm	
	Standard	1,412 (14.4, 204.7)/250
	Minimum	1,216 (12.4, 176.3)/250
	Differential limit between cylinders	100 (1.0, 14.5)/250
	Make	NGK

mm (in)

DILKAR6A-11

1.1 (0.043)

FRONT WHEEL ALIGNMENT

Standard type

Gap (Nominal)

Spark plug

(Iridium-tipped type)

Item			Standard				
Axle type			2WD		4WD		
Tire size			215/70R16	225/60R17	215/70R16	225/60R17	
	Minimum	Left side	-1° 00′ (-1.00°)				
		Right side	-1° 15′ (-1.25°)				
	Naminal	Left side	-0° 15′ (-0.25°)				
Camber Degree minute (Decimal degree)	Nominal	Right side	-0° 30′ (-0.50°)				
Dog. oo minato (Dooman dog. oo)	Maximum	Left side	0° 30′ (0.50°)				
		Right side	0° 15′ (0.25°)				
	Left and right difference		0° 33′ (0.55°) or less				
	Minimum		3° 55′ (3.92°) 4° 00′ (4.00°)				
Caster	Nominal		4° 40′ (4.67°) 4° 45′ (4.75°)				
Degree minute (Decimal degree)	Maximum		5° 25′ (5.41°) 5° 30′ (5.50°)				
	Left and rig	Left and right difference		0° 36′ (0.60°) or less			
	Minimum		9° 45′ (9.75°)				
Kingpin inclination Degree minute (Decimal degree)	Nominal		10° 30′ (10.50°)				
20groo minato (200mai dogroo)	Maximum	Maximum		11° 15′ (11.25°)			

Item			Standard				
Axle type			2WD 4WD		VD		
Tire size			215/70R16	225/60R17	215/70R16	225/60R17	
		Minimum	In 1 mm (0.04 in)				
Total toe-in Angle (left wheel or rig wheel) Degree minute (Decim gree)	Distance	Nominal	In 2 mm (0.08 in)				
		Maximum	In 3 mm (0.12 in)				
	,	Minimum	In 0° 02′ 30″ (0.05°)				
		Nominal	In 0° 05′ (0.08°)				
	` `	Maximum	In 0° 07′ 30″ (0.12°)				

Measure value under unladen* conditions.

REAR WHEEL ALIGNMENT

ELS0003Y

Camber Degree minute (Decimal degree)		Minimum	-1° 25′ (-1.42°)
		Nominal	-0° 55′ (-0.92°)
		Maximum	-0° 25′ (-0.42°)
Total toe-in		Minimum	0 mm (0 in)
	Distance	Nominal	In 2 mm (0.08 in)
		Maximum	In 4 mm (0.16 in)
	Angle (Left wheel or right wheel) Degree minute (Decimal degree)	Minimum	0° 00′ (0.00°)
		Nominal	In 0° 05′ (0.08°)
	13 11 11 (11 11 11 11 11 11 11 11 11 11 1	Maximum	In 0° 10′ (0.17°)

Measure value under unladen* conditions.

BRAKE PEDAL

Unit: mm (in)

Depressed brake pedal height (H1)	183.7 - 193.7 (7.23 - 7.63)
Brake pedal reserve height (H2) [Depressing 490 N (50 kg, 110 lb) while turning the engine ON]	65 (2.56) or more

FRONT DISK BRAKE

Unit: mm (in)

Brake pad	Wear limit thickness	2.0 (0.079)
Disc rotor	Wear limit thickness	24.0 (0.945)

REAR DISK BRAKE

Unit: mm (in)

Brake pad	Wear limit thickness	1.5 (0.059)	
Disc rotor	Wear limit thickness	14.0 (0.551)	

^{*:} 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.

QUICK REFERENCE CHART S35

2009

REFILL CAPACITIES					
UNIT				Liter	US measure
Final Appli		TYPE1	60	15-7/8 gal	
ruertank	Fuel tank		TYPE2	65	17-1/8 gal
Engine Coolant (With rese	rvoir tank)	at MAX le	vel	7.3	7-3/4 qt
	Drain an	d refill			
Engine oil		With oil filter of		4.6	4-7/8 qt
Engine oil			Without oil filter change	4.3	4-1/2 qt
	Dry engi	Dry engine (Overhaul)		5.4	5-3/4 qt
		2WD AWD	Without fluid cooler	7.3	7-3/4 qt
Transaxle	CVT		With fluid cooler	7.5	7-7/8 qt
Transaxie	CVI		Without fluid cooler	8.4	8-7/8 qt
		AVVD	With fluid cooler	8.6	9-1/8 qt
Transfer			0.38	3/4 pt	
Final drive			0.55	1-1/8 pt	
Air conditioning system	Compre	Compressor oil		0.15	5.03 fl oz
	Refrigera	ant		0.50 kg	1.11 lb