

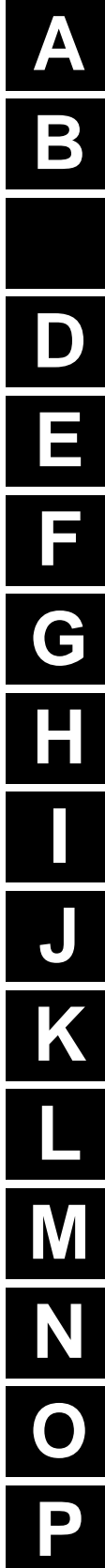
QUICK REFERENCE INDEX

**NISSAN
 ROGUE
 MODEL S35 SERIES**

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	TM	Transaxle & Transmission
	DLN	Driveline
	FAX	Front Axle
	RAX	Rear Axle
E SUSPENSION	FSU	Front Suspension
	RSU	Rear Suspension
F BRAKES	WT	Road Wheels & Tires
	BR	Brake System
	PB	Parking Brake System
G STEERING	BRC	Brake Control System
	ST	Steering System
	STC	Steering Control System
H RESTRAINTS	SB	Seat Belt
I VENTILATION, HEATER & AIR CONDITIONER	SR	SRS Airbag
	SRC	SRS Airbag Control System
	VTL	Ventilation System
J BODY INTERIOR	HA	Heater & Air Conditioning System
	HAC	Heater & Air Conditioning Control System
	INT	Interior
K BODY EXTERIOR, DOORS, ROOF & VEHICLE SECURITY	IP	Instrument Panel
	SE	Seat
	DLK	Door & Lock
	SEC	Security Control System
L DRIVER CONTROLS	GW	Glass & Window System
	PWC	Power Window Control System
	RF	Roof
	EXT	Exterior
	BRM	Body Repair
	MIR	Mirrors
M ELECTRICAL & POWER CONTROL	EXL	Exterior Lighting System
	INL	Interior Lighting System
	WW	Wiper & Washer
	DEF	Defogger
	HRN	Horn
N DRIVER INFORMATION & MULTIMEDIA	PWO	Power Outlet
	BCS	Body Control System
	LAN	LAN System
	PCS	Power Control System
	CHG	Charging System
	PG	Power Supply, Ground & Circuit Elements
O CRUISE CONTROL & DRIVER ASSISTANCE	MWI	Meter, Warning Lamp & Indicator
	WCS	Warning Chime System
	SN	Sonar System
	AV	Audio, Visual & Navigation System
P MAINTENANCE	CCS	Cruise Control System
	MA	Maintenance

© 2012 NISSAN MOTOR CO.,LTD.

All Rights Reserved. No part of this Service Manual may be reproduced or stored in a retrieval system, or transmitted in any form, or by any means, electronic, mechanical, recording or otherwise, without the prior written permission of NISSAN MOTOR CO., LTD.



FOREWORD

This manual contains maintenance and repair procedure for the 2013 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.



PLEASE HELP MAKE THIS SERVICE MANUAL BETTER!

Your comments are important to NISSAN 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 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) YES 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) YES 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: _____

CITY: _____ STATE/PROV./COUNTRY: _____ ZIP/POSTAL CODE: _____

QUICK REFERENCE CHART ROGUE

PFP:00000

ENGINE TUNE-UP DATA (QR25DE)

ELS0003W

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)		10° ± 5°
Tension 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	78.4 - 98.0 (0.8 - 1.0, 11 - 14)
	Limit	59 (0.6, 9)
Cooling system leakage testing pressure	kPa (kg/cm ² , psi)	157 (1.60, 22.8)
Compression pressure	kPa (kg/cm ² , 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
Spark plug (Iridium-tipped type)	Make	NGK
	Standard type	DILKAR6A-11
	Gap (Nominal)	mm (in) 1.1 (0.043)

FRONT WHEEL ALIGNMENT

Item			Standard					
Axle type			2WD			AWD		
Wheel size			16 inch	17 inch	18 inch	16 inch	17 inch	18 inch
Camber Degree minute (Decimal degree)	Minimum	Left side	-1° 00' (-1.00°)					
		Right side	-1° 15' (-1.25°)					
	Nominal	Left side	-0° 15' (-0.25°)					
		Right side	-0° 30' (-0.50°)					
	Maximum	Left side	0° 30' (0.50°)					
		Right side	0° 15' (0.25°)					
Left and right difference		0° 33' (0.55°) or less						
Caster Degree minute (Decimal degree)	Minimum	3° 55' (3.92°)	4° 00' (4.00°)					
	Nominal	4° 40' (4.67°)	4° 45' (4.75°)					
	Maximum	5° 25' (5.41°)	5° 30' (5.50°)					
	Left and right difference	0° 36' (0.60°) or less						
Kingpin inclination Degree minute (Decimal degree)	Minimum	9° 45' (9.75°)						
	Nominal	10° 30' (10.50°)						
	Maximum	11° 15' (11.25°)						
Toe-in	Total toe-in Distance	Minimum	0 mm (0.00 in)					
		Nominal	In 2 mm (In 0.08 in)					
		Maximum	In 4 mm (In 0.15 in)					
	Total toe-angle Degree minute (Decimal degree)	Minimum	0° 00' 00" (0.00°)					
		Nominal	In 0° 09' 36" (In 0.16°)					
		Maximum	In 0° 19' 48" (In 0.33°)					

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

Camber Degree minute (Decimal degree)	Minimum	-1° 25' (-1.42°)	
	Nominal	-0° 55' (-0.92°)	
	Maximum	-0° 25' (-0.42°)	
Toe-in	Total toe-in Distance	Minimum	0 mm (0.00 in)
		Nominal	In 2 mm (In 0.08 in)
		Maximum	In 4 mm (In 0.15 in)
	Total toe-angle Degree minute (Decimal degree)	Minimum	0° 00' 00" (0.00°)
		Nominal	In 0° 09' 36" (In 0.16°)
		Maximum	In 0° 19' 48" (In 0.33°)

Measure value under unladen* conditions.

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

QUICK REFERENCE CHART ROGUE

2013

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 DISC BRAKE

Unit: mm (in)

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

REAR DISC BRAKE

Unit: mm (in)

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

REFILL CAPACITIES

ELS00040

UNIT		Liter	US measure
Fuel tank	TYPE1	60	15-7/8 gal
	TYPE2	65	17-1/8 gal
Engine Coolant (With reservoir tank) at MAX level		7.3	7-3/4 qt
Engine oil	Drain and refill		
	With oil filter change		4.6 4-7/8 qt
	Without oil filter change		4.3 4-1/2 qt
Dry engine (Overhaul)		5.4	5-3/4 qt
Transaxle	CVT	2WD Without fluid cooler	7.3 7-3/4 qt
		2WD With fluid cooler	7.5 7-7/8 qt
	AWD	Without fluid cooler	8.3 8-3/4 qt
		With fluid cooler	8.5 9 qt
Transfer		0.36	3/4 pt
Final drive		0.55	1-1/8 pt
Air conditioning system	Compressor oil		0.15 5.07 fl oz
	Refrigerant		0.50 kg 1.10 lb