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NISSAN
ROGUE
MODEL S35 SERIES

QUICK REFERENCE INDEX

FOREWORD

This manual contains maintenance and repair procedure for the 2008 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.

QUICK REFERENCE CHART S35

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)			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 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

ELS0003X

Measurement wheel			LH	RH
Camber Degree minute (Decimal degree)		Minimum	–1° 00′ (–1.00°)	–1° 15′ (–1.25°)
		Nominal	–0° 15′ (–0.25°)	–0° 30′ (–0.50°)
		Maximum	0° 30′ (0.50°)	0° 15′ (0.25°)
		Left and right difference	0° 33′ (0.55°) or less	
Caster Degree minute (Decimal degree)		Minimum	4° 55′ (4.92°)	
		Nominal	5° 40′ (5.67°)	
		Maximum	6° 25′ (6.42°)	
		Left and right difference	0° 36′ (0.60°) or less	
Kingpin inclination Degree minute (Decimal degree)		Minimum	9° 45′ (6.75°)	
		Nominal	10° 30′ (10.50°)	
		Maximum	11° 15′ (11.25°)	
Total toe-in	Distance	Minimum	In 1 mm (0.04 in)	
		Nominal	In 2 mm (0.08 in)	
		Maximum	In 3 mm (0.12 in)	
	Angle (Left wheel or right wheel) Degree minute (Decimal degree)	Minimum	In 0° 02′ 30″ (0.04°)	
		Nominal	In 0° 05′ (0.08°)	
		Maximum	In 0° 07′ 30″ (0.13°)	

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°)
Total toe-in	Distance	Minimum	0 mm (0 in)
		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°)
		Maximum	In 0° 10′ (0.17°)

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)

Depressed brake pedal height (H_1)	183.7 - 193.7 (7.23 - 7.63)
Brake pedal reserve height (H_2) [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)

REFILL CAPACITIES

ELS00040

UNIT				Liter	US measure
Fuel tank				60	15-7/8 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	8.3	8-3/4 qt
			With fluid cooler	8.5	9 qt
		AWD	Without fluid cooler	9.3	9-7/8 qt
			With fluid cooler	9.5	10 qt
Transfer				0.38	3/4 pt
Final drive	Rear			0.55	5/8 pt
Air conditioning system	Compressor oil			0.15	5.03 fl oz
	Refrigerant			0.50 kg	1.11 lb