Publication No. SMTE-153300       A CENERAL INFORMATION       GI Central Information       A Central Informatinformation       A Central Information       A	Edition: July 2010	QUICK REFERENCE INDEX		
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CC         Explane Cooling System         A           E         E         Explane Cooling System         B           E         E         Explane Cooling System         B           E         Explane Cooling System         B           STR <starting system<="" td="">         STR<starting system<="" td="">         B           C         HVBRID         Transatio &amp; Transatio &amp; Transation         D           D         TRANSMISSION &amp; DRIVE:         Transatio &amp; Transation         D           LINE         D         TRANSMISSION &amp; DRIVE:         Transation         D           LINE         D         TRANSMISSION &amp; DRIVE:         Transation &amp; Transation         D           E         SUSPENSION         RDR         Transation         D           RAX         Rear Aule         Transation         D         E           MODEL S35 SERIES         F         BRAKES         RB         Barke System         G           G         STEERING         STE Steering Control System         G         G           I         VENTILATION HENDER A         Transation System         G           I         BODY INTERIOR         STE Steering Control System         G           I         BODY INTERIOR         STE Steering Contr</starting></starting>		B ENGINE		
EC       Engine Control System       B         FL       Fuel System       B         FL       Fuel System       B         C       HVBRID       ACC       Accelerator Control System       D         C       HVBRID       D       Transake & Transmission       D         D       TRANSMISSION & DRIVE- LINE       Transake & Transmission       D       D         NUSSSAN MODEL S35 SERIES       F       B Rarkes       B       Brakes       F         F       BRAKES       B       Brakes System       F       G         G       STEERING       ST       Steering System       G       G       G       G         J <t< td=""><td></td><td></td><td>5</td><td></td></t<>			5	
PL       Fuel System       B         STR       Starting System       STR       Starting System         STR       Starting System       C       HVBRID       C       Accelerator Control System       D         D       TRANSMISSION & DRIVE- LINE       TM       Transable & Transmission       D       D         O       TRANSMISSION & DRIVE- LINE       TM       Transable & Transmission       D       D         O       TRANSMISSION & DRIVE- LINE       TM       Transable & Transmission       D       D         WODELS 35 SERIES       F       BRAKES       PS       Price System       D       D       D         MODEL S35 SERIES       F       BRAKES       PS       Price System       D				
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C       HYBRID         C       HYBRID         DI       TRANSMISSION & DRIVE:         TM       Transakle & Transmission         DLN       DIN         DINESSAN       E         MODEL S35 SERIES       F         F       BRAKES         B       Broke System         B       Set Suspension         STEERING       STEERING         S       STEERING         B       Steering Control System         B       Set Steering System         B       Set Belt         S       STEERING         S       STEERING         S       STEERING         S       Set Belt         B       Set Belt         S       BODY				
C HYBRID      D TRANSMISSION & DRIVE- LINE      TAX FROM AND      ROUTE STREAM      F BRAKES      F BRAKES				D
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LINE       TM       Transmission       D         DIN       Diveline       Din       Diveline         FAX       Rear Axle       Rear Axle       E         NISSSAN       F       BRAKES       BR       Brake System       F         MODEL S35 SERIES       F       BRAKES       BR       Brake System       F       G         F       BRAKES       BR       Brake System       F       G       G       G         G       STEERING       ST       Steering Control System       G       <		C HYBRID		
First Front Arle         RAX       Fear Arle         PB       Parking Brake System         RAX       Fear Arload         Stream       Stream         Stream       Stream <td< td=""><td></td><td></td><td></td><td>Π</td></td<>				Π
RAX       Rax Aule       RAX       Rear Aule         RAX       Rear Aule       Rear Suspension         NISSSAN ROGUE       F       BUSPENSION       RSU       Rear Suspension         MODEL S35 SERIES       F       BR AKES       BR       Brake System       BR         G       STEERING       STC       Steering System       G       G         G       STEERING       STC       Steering System       G       H         H       RESTRAINTS       SB       Seat Belt       H       H         ST       STC Steering Control System       H       H       H       H         J       VENTILATION, HEATER & AIR Conditioning System       H <td< td=""><td></td><td></td><td></td><td></td></td<>				
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RSU       Rear Suppension         RSU       Rear Suppension         WT       Road Wheels & Tires         BR       Braking Brake System         G       STEETERING         ST       Steering System         H       RESTRAINTS         SB       Seat Boit         SR       SR S Arbag         SR CONTOL System       H         H       RESTRAINTS         SB       Seat Boit         SR       SR S Arbag         SR CONTOL System       H         H       Neater A Air Conditioning Control System         J       BODY INTERIOR         J       BODY INTERIOR         SE OVER SATION       OLK         SE OVER SATION       Northeread         SE OVER SATION       Northeread         VENTLATION       HETER R         HAC       Heater A Air Conditioning System         J       BODY INTERIOR         DOST EXTERIOR, DOST & VEHICLE       SE Seat         VENDER NOTOR CO.LTD.       MR		F SUSPENSION		
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ROGUE MODEL S35 SERIES       F BRAKES       BR       Brake System       F         BC       Brake System       BC       Brake System       BC       Brake System         G       STEERING       ST       Steering System       G       G         H       RESTRAINTS       SB       Seat Belt       H       G       H         I       VENTILATION, HEATER & AIR CONDITIONER       SR       SRS Airbag       System       H         J       DODY INTERIOR       IVTL       Ventilation System       H       H       Heater & Air Conditioning System       J         J       BODY INTERIOR       IVTL       Ventrefor       IV       IV       IV       IV       Secourity Control System       J         J       BODY EXTERIOR, DOORS, ROOF & VEHICE       DLK       Door & Lock       DO       K       L         K       BODY EXTERIOR, DOORS, ROOF & VEHICE       Secourity Control System       M       K       L         VENTURE CONTROLS       MIR       Mirrors       M       L       DRIVER CONTROLS       M       N       N       N       N       O       O       O       O       O       P       P       N       O       O       O       O	I NISSAN		WT Road Wheels & Tires	
MODEL S35 SERIES       BRC       Brake Control System       G         G       ST EERING       ST Steering Control System       G         H       RESTRAINTS       SB Seat Bolt       H         SR       SRS Airbag       SR       SRS Airbag         SR       SRS Airbag       SR       H         I       VENTILATION, HEATER &       SR       SRS Airbag         I       VENTILATION, HEATER &       HA       Heater & Air Conditioning System         J       BODY INTERIOR       INT       Interior         J       BODY INTERIOR       INT       Interior         J       BODY EXTERIOR,       DOORS, ROOF & VEHICLE       SEC       Security Control System         GW       Glass & Window System       M       I         GW       Glass & Window System       M       I         I       DRIVER CONTROLS       EXT       Exterior       M         BRM       Body Repair       M       M       N         M       ELECTRICAL & POWER       PWO       Power Vultet       M         M       ELECTRICAL & POWER       PWO       Power Supply, Ground & Circuit Elements       N         M       MELECTRICAL & POWER       PWO       Po		F BRAKES	BR Brake System	
INCOLLEGED OF DELIVED       G       STEERING       ST       Siteering System         INCOLLEGED OF DELIVED       G       STEERING       ST       Siteering Control System         INCOLLEGED OF DELIVED       H       RESTRAINTS       SB       Sate Belt         INCOLLEGED OF DELIVED       SRC       SRS Airbag       Siteering Control System         INCOLLEGED OF DELIVER       INT       Hatestaad       SRC       SRS Airbag         SRC       SRS Airbag       SRC       SRS Airbag       Siteering Control System         INT       INTERIOR       HA       Heater & Air Conditioning System       HA         HAC       Heater & Air Conditioning System       HA       Heater & Air Conditioning System       J         J       BODY INTERIOR       INT       Interior       IJ       J         J       BODY EXTERIOR, DOORS, ROOF & VEHICLE       DLK       Door & Lock       J         K       BODY EXTERIOR, DOORS, ROOF & VEHICLE       DLK       Door & Lock       J         K       BODY EXTERIOR, DOORS, ROOF & VEHICLE       DLK       Door & Lock       L         R       Roof       INT       Interior       M       M         K       BODY EXTERIOR, DOORS, ROOF & VEHICLE       DLK       Door	ROGUE		PB Parking Brake System	
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Image: Sec SrS Airbag       SrS SrS Airbag         SrC SrS Airbag       SrS Airbag         Air Conditioning System       HA         HAC Heater & Air Conditioning System       J         J BODY INTERIOR       INT         I K BODY EXTERIOR, DOORS, ROOF & VEHICLE       Door & Lock         SEC Security Control System       K         WW Glass & Window System       W         PW Cover Window System       K         L DRIVER CONTROLS       MR Mirrors         EX Exterior       BRM Body Repair         INL       Interior Lighting System         WW Wiper & Washer       DEF         DEF Delogger       HR         HRN Horn       PG         PG Power Control System       O         Chis Service Manual may be reproduced or stored in a retrieval system, or transmit- ted in any form, or by any means, electronic, mechani- cal, recording or otherwise, without the prior written per- mission of NISSAN MOTOR       N DRIVER INFORMATION & MULTIMEDIA         O CRUISE CONTROL & DRIVER ASS				
Image: SRC SRS Airbag Control System         Image: SRC SRS Airbag Control System         Image: AR CONDITIONER         Image: AR CONDING COLLID.         Image: AR CONDING COL		H RESTRAINTS	SB Seat Belt	
Image: SRC SRS Airbag Control System         Image: SRC SRS Airbag Control System         Image: AR CONDITIONER         Image: AR CONDING COLLID.         Image: AR CONDING COL			SP SPS Airbag	
I       VENTILATION, HEATER & AIR CONDITIONER       VTL       Ventilation System         HA       Heater & Air Conditioning System       HA         HA       Heater & Air Conditioning Control System       HA         IP       Instrument Panel       SE       Seat         SE Seat       DORS, ROOF & VEHICLE       SEC Security Control System       K         BODY EXTERIOR, DOORS, ROOF & VEHICLE       SEC Security Control System       K       L         RF       Roof       EXT       Exterior       M         EXT       Exterior       BRM       Body Repair       M       M         L       DRIVER CONTROLS       MIR       Mirrors       M       N         MIR dody Repair       HR       HR       Horn       N       N       N         All rights reserved. No part of this Serv				
AIR CONDITIONER       HA       Heater & Air Conditioning System         HAC       Heater & Air Conditioning Control System         HAC       Heater & Air Conditioning Control System         J       BODY INTERIOR       INT         IV       Instrument Panel       SE         SE       Seat       Seat         K       BODY EXTERIOR, DOORS, ROOF & VEHICLE       DLK       Door & Lock         DOORS, ROOF & VEHICLE       SEC       Security Control System       K         PWC       Power Window Control System       K       L         RF       Roof       EXT       Exterior       BRM       Body System       M         L       DRIVER CONTROLS       Milrors       EXL       Exterior Lighting System       M       N         W       Wiper & Washer       DEF       Defogger       N       N       N       N       N       N       N       O       O       PCS       Body Control System       N       O       PCS       Body Control System       N       O       P       N       N       N       N       N       O       P       N       N       N       N       N       N       N       N       N       N       N		I VENTILATION. HEATER &		
Image: Control System       Image: Control System         J       BODY INTERIOR       INT       Interior         INT       Interior       IP       Interior         IP       Instrument Panel       SE       Seat         K       BODY EXTERIOR, DOORS, ROOF & VEHICLE       DLK       Door & Look       K         SEC URITY       GW       Glass & Window System       PWC       Pwer Window Control System         PWC       Power Window Control System       RF       Rood       L       L       DRIVER CONTROLS       MIR       Mirrors       M       M         L       DRIVER CONTROLS       MIR       Mirrors       EXL       Exterior Lighting System       N       N         WW       Wiper & Washer       DE       Defogger       N       N       N       N       N       N       N       N       N       N       O       PWO       Power Outlet       O       O       PW       O       PW       O       PW       O       P       O       P       O       P       O       P       O       P       O       P       O       P       O       P       O       P       O       P       D       D       D				
Image: Second Stress       Image: Second Stress <td< td=""><td></td><td></td><td></td><td></td></td<>				
SE       Seat       J         K       BODY EXTERIOR, DOORS, ROOF & VEHICLE SECURITY       DLK       Door & Lock         GW       Glass & Window System       W         WC       Power Window Control System       M         U       DRIVER CONTROLS       BRM       Body Repair       M         IL       DRIVER CONTROLS       MR       Mirrors       M         N       IL       DRIVER CONTROLS       EXL       Exterior Lighting System       N         NL       Interior Lighting System       N       M       N         N       ELECTRICAL & POWER       BCS       Body Control System       N         N       M       ELECTRICAL & POWER       Body Control System       O         CO       O       PWO       Power Outlet       O       O         Control       System       Crouit Elements       M       O         N       MULTIMEDIA       MWI       Meter, Warning Chime System       O       P		J BODY INTERIOR		
Image: Second System       Image: Second System         Image: Second System       Second System			IP Instrument Panel	
© 2010 NISSAN MOTOR CO.,LTD.       M       ELECTRICAL & POWER CONTROL       PWC       Pwc Power Window Control System PWC       M       M         @ 2010 NISSAN MOTOR CO.,LTD.       M       ELECTRICAL & POWER CONTROL       M       EXC Exterior Lighting System NWW Wiper & Washer DEF       M       M       M       N         All rights reserved. No part of this Service Manual may be reproduced or stored in a retrieval system, or transmit- ted in any form, or by any means, electronic, mechani- cal, recording or otherwise, without the prior written per- mission of NISSAN MOTOR CO., LTD.       N       DRIVER INFORMATION & MULTIMEDIA       M       Exc. Exterior Lighting System DeF       O       O         N       DRIVER INFORMATION & MULTIMEDIA       N       DRIVER INFORMATION & MULTIMEDIA       M       M       Exc. Exterior Lighting System DeF       O       O         O       CRUISE CONTROL & RIVER ASSISTANCE       O       CCS       Cruise Control System CCS       O       O			SE Seat	J
© 2010 NISSAN MOTOR CO.,LTD.       M       ELECTRICAL & POWER CONTROL       PWC       Pwc Power Window Control System PWC       M       M         @ 2010 NISSAN MOTOR CO.,LTD.       M       ELECTRICAL & POWER CONTROL       M       EXC Exterior Lighting System NWW Wiper & Washer DEF       M       M       M       N         All rights reserved. No part of this Service Manual may be reproduced or stored in a retrieval system, or transmit- ted in any form, or by any means, electronic, mechani- cal, recording or otherwise, without the prior written per- mission of NISSAN MOTOR CO., LTD.       N       DRIVER INFORMATION & MULTIMEDIA       M       Exc. Exterior Lighting System DeF       O       O         N       DRIVER INFORMATION & MULTIMEDIA       N       DRIVER INFORMATION & MULTIMEDIA       M       M       Exc. Exterior Lighting System DeF       O       O         O       CRUISE CONTROL & RIVER ASSISTANCE       O       CCS       Cruise Control System CCS       O       O		K BODY EXTERIOR.	DLK Door & Lock	
SECONTT       GW Glass & Window System         PWC Power Window Control System         RF Roof         L DRIVER CONTROLS         MR Mirrors         EXT Exterior Lighting System         IL DRIVER CONTROLS         MR Mirrors         EXL Exterior Lighting System         INL Interior Lighting System         WW Wiper & Washer         DEF Defogger         HRN Horn         PWC Power Outlet         CONTROL         M ELECTRICAL & POWER         PWO Power Outlet         CONTROL         M ELECTRICAL & POWER         PWO Power Supply, Ground & Circuit Elements         N DRIVER INFORMATION & MULTIMEDIA         N DRIVER INFORMATION & MULTIMEDIA         Without the prior written permission of NISSAN MOTOR CO., LTD.         O CRUISE CONTROL & CCS Cruise Control System         O CRUISE CONTROL & DRIVER ASSISTANCE		DOORS, ROOF & VEHICLE		
Image: RF Roof       Image: RF Roof         EXT Exterior       BRM Body Repair         BRM Body Repair       MIR Mirrors         BRM Body Repair       MIR Mirrors         EXL Exterior Lighting System       INL Interior Lighting System         INL Interior Lighting System       INL Interior Lighting System         WW Wiper & Washer       DEF         Def Defogger       HRN Horn         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.       N         N       DRIVER INFORMATION & MWU Meter, Warning Lamp & Indicator         O       CRUISE CONTROL & DRIVER ASSISTANCE		SECORITY		
Image: Construct 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       M ELECTRICAL & POWER OWER OF Control System       M ELECTRICAL & POWER OWER OWER OWER OWER OWER OWER OWER			PWC Power Window Control System	
Image: BRM Body Repair       Image: BRM Body Repair         Image: BRM Body Repair       Image: Brey Body System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Co			RF Roof	
Image: BRM Body Repair       Image: BRM Body Repair         Image: BRM Body Repair       Image: Brey Body System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Control System       Image: BCS Body Control System         Image: BCS Body Co				
L       DRIVER CONTROLS       MIR       Mirrors       MIR       Mirrors         EXL       Exterior Lighting System       NWW       Wiper & Washer       N <td></td> <td></td> <td></td> <td></td>				
EXL       Exterior Lighting System         INL       Interior Lighting System         WW       Wiper & Washer         DEF       Defogger         HRN       Horn         M       ELECTRICAL & POWER         CO 2010 NISSAN MOTOR CO.,LTD.       M         M       ELECTRICAL & POWER         PWO       Power Outlet         BCS       Body Control System         LAN       LAN System         PCS       Power Control System         Charging System       PG         Power Supply, Ground & Circuit Elements         N       DRIVER INFORMATION &         MWLTIMEDIA       MWI         Meter, Warning Lamp & Indicator         WCS       Warning Chime System         Ca, recording or otherwise,       SN         without the prior written per-       O         CRUISE CONTROL &       CCS         DRIVER ASSISTANCE       CCS				
INL       Interior Lighting System         WW       Wiper & Washer         DEF       Defogger         HRN       Horn         WO       Power Outlet         BCS       Body Control System         LAN       LAN         LAN       LAN         Vertical system, or transmitted in any form, or by any means, electronic, mechanical, recording or otherwise, without the prior written permission of NISSAN MOTOR         O       CRUISE CONTROL & DRIVER ASSISTANCE		E DRIVER CONTROLS		
WW       Wiper & Washer       N       N         0EF       Defogger       HRN       Horn       N         WIPER & Vasher       DEF       Defogger       N       N         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       N       DRIVER INFORMATION & MWI       MWI       Meter, Warning Lamp & Indicator       P         O       CRUISE CONTROL       O       CCS       Cruise Control System       O       CCS       Cruise Control System         O       CRUISE CONTROL & DRIVER ASSISTANCE       CCS       Cruise Control System       O       CRUISE CONTROL & DRIVER ASSISTANCE				
Image: DEF Defogger       DEF Defogger         Image: Without the prior written per-mission of NISSAN MOTOR       M ELECTRICAL & POWER CONTROL       PWO Power Outlet         Image: Def Defogger       HRN Horn       BCS Body Control System       DEF Defogger         Image: Def Defogger       HRN Horn       BCS Body Control System       DEF Defogger         Image: Def Defogger       HRN Horn       BCS Body Control System       DEF Defogger         Image: Def Defogger       HRN Horn       BCS Body Control System       DEF Defogger         Image: Def Defogger       HRN Horn       BCS Body Control System       DEF Defogger         Image: Def Defogger       HRN Horn       BCS Body Control System       DEF Defogger         Image: Def Defogger       HRN Horn       BCS Body Control System       DEF Defogger       DEF Defogger         Image: Def Defogger       PWO Power Outlet       BCS Power Control System       DEF Defogger       DEF Defogger       DEF Defogger         Image: Defound a control system       N DRIVER INFORMATION & MWI Meter, Warning Lamp & Indicator       MULTIMEDIA       WCS Warning Chime System       Defound System				
Image: Constraint 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       M ELECTRICAL & POWER CONTROL       PWO Power Outlet       Image: Constraint 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       M DRIVER INFORMATION & MWI Meter, Warning Lamp & Indicator       MIM Meter, Warning Chime System       Image: Constraint of CCS Cruise Control System         O       CRUISE CONTROL & DRIVER ASSISTANCE       CCS Cruise Control System				
CONTROL       BCS       Body Control System         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       N       DRIVER INFORMATION & MWI       MWI       Meter, Warning Lamp & Indicator       P         0       CRUISE CONTROL & DRIVER ASSISTANCE       O       CRUISE CONTROL & CCS       CCS       Cruise Control System			HRN Horn	
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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 transmitted in any form, or by any       MULTIMEDIA       MWI       Meter, Warning Lamp & Indicator         without the prior written permission of NISSAN MOTOR       O       CRUISE CONTROL & DRIVER ASSISTANCE       CCS       Cruise Control System	© 2010 NISSAN MOTOR CO.,ETD.	CONTROL		
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cal, recording or otherwise,       AV       Audio, Visual & Navigation System         without the prior written per-       O       CRUISE CONTROL &       CCS       Cruise Control System         mission of NISSAN MOTOR       DRIVER ASSISTANCE       CCS       Cruise Control System				
without the prior written per- mission of NISSAN MOTOR CO., LTD.				
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CO., LTD. P MAINTENANCE MA Maintenance		DRIVER ASSISTANCE		
	CO., LTD.	P MAINTENANCE	MA Maintenance	

# FOREWORD

This manual contains maintenance and repair procedure for the 2011 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 ROGUE

### QUICK REFERENCE CHART ROGUE ENGINE TUNE-UP DATA (QR25DE)

Engine model		QR25DE
Firing order		1 - 3 - 4 - 2
Idle speed CVT (In "P" or "N" positior	rpm ı)	$700\pm50$
Ignition timing (BTDC at idle speed)		$10^{\circ} \pm 5^{\circ}$
Tensions of drive belts		Auto adjustment by auto tensioner
Radiator cap relief pressu	re kPa (kg/cm <sup>2</sup> , psi)	
	Standard	78.4 - 98.0 (0.8 - 1.0, 11 - 14)
	Limit	59 (0.6, 9)
Cooling system leakage to	esting pressure kPa (kg/cm <sup>2</sup> , psi)	157 (1.60, 22.8)
Compression pressure	kPa (kg/cm <sup>2</sup> , 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
Spark plug (Iridium-tipped type)	Standard type	DILKAR6A-11
(	Gap (Nominal) mm (in)	1.1 (0.043)

#### FRONT WHEEL ALIGNMENT

Item			Standard					
Axle type			2WD AWI			AWD		
Wheel size			16 inch	17 inch	18 inch	16 inch	17 inch	18 inch
	Mini-	Left side	-1° 00′ (-1.00°)					
	mum	Right side	-1° 15′ (-1.25°)					
	Nomi-	Left side	-0° 15′ (-0.25°)					
Camber	nal	Right side			-0° 30′	(–0.50°)		
Degree minute (Decimal degree)	Maxi-	Left side			0° 30′	(0.50°)		
	mum	Right side	0° 15′ (0.25°)					
	Left and right differ- ence		0° 33′ (0.55°) or less					
	Minimum		3° 55′ (3.92°)					
Caster	Nominal		4° 40′ (4.67°)	$A^{\circ} A5' (A 75^{\circ})$				
Degree minute (Decimal degree)	Maximum		5° 25′ (5.41°)	5° 30′ (5 50°)				
	Left and right differ- ence		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°)					

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### QUICK REFERENCE CHART ROGUE

Item		Standard			
Axle typ	pe	2WD AWD		AWD	
		Minimum	In 1 mm (0.04 in)		
	Total toe-in Distance	Nominal	In 2 mm (0.08 in)		
Toe-in		Maximum	In 3 mm (0.12 in)		
106-111	Toe angle	Minimum	In 0° 02′ 3	30″ (0.05°)	
	(left wheel or right wheel) Degree minute	Nominal In 0° 05′ (0.08°)		ý (0.08°)	
	(Decimal degree) Maximum In 0° 07′ 30″ (0.12°)		30″ (0.12°)		

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**

Camber		Minimum	-1° 25′ (-1.42°)
		Nominal	-0° 55′ (-0.92°)
		Maximum	-0° 25′ (-0.42°)
	Minimum	0 mm (0 in)	
	Total toe-in Distance	Nominal	In 2 mm (0.08 in)
Toe-in		Maximum	In 4 mm (0.16 in)
106-111		Minimum	0° 00′ (0.00°)
	Toe angle (Left wheel or right wheel) Degree minute (Decimal degree)	Nominal	In 0° 05′ (0.08°)
			In 0° 10′ (0.16°)

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 (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)

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## QUICK REFERENCE CHART ROGUE

# **REFILL CAPACITIES**

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UNIT				Liter	US measure
Fuel tank		TYPE1	60	15-7/8 gal	
		TYPE2	65	17-1/8 gal	
Engine Coolant (With rese	ervoir tank)	at MAX le	vel	7.3	7-3/4 qt
	Drain an	d refill			
Engine cil			With oil filter change	4.6	4-7/8 qt
Engine oil			Without oil filter change	4.3	4-1/2 qt
	Dry engine (Overhaul)			5.4	5-3/4 qt
		2WD	Without fluid cooler	7.3	7-3/4 qt
Transaxle	СУТ		With fluid cooler	7.5	7-7/8 qt
TTATISAXIE	CVI		Without fluid cooler	8.3	8-3/4 qt
		AWD	With fluid cooler	8.5	9 qt
Transfer			0.36	3/4 pt	
Final drive			0.55	1-1/8 pt	
Air conditioning quotom	Compre	ssor oil		0.15	5.07 fl oz
Air conditioning system	Refriger	ant		0.50 kg	1.10 lb