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FOREWORD

This manual contains maintenance and repair procedures for the 2016 NISSAN VERSA NOTE.

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 Mexicana S.A. de C.V. Av. Insurgentes Sur No. 1958 Col. Florida C.P. 01030 México D.F.

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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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repairing customer vehicles?
DATE: YOUR NAME: POSITION:
DEALER:
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UTT STATE/OUUNTRT ZIF/FUSTAL OUDE

Engine Tune-up Data: QR25DE

GENERAL SPECIFICATIONS

Engine type		HR16DE
Cylinder arrangement		In-line 4
Displacement	cm ³ (cu in)	1,598 (97.51)
Bore and stroke	mm (in)	78.0× 83.6 (3.071 ×3.291)
Valve arrangement		DOHC
Firing order		1-3-4-2
Number of piston rings	Compression	2
Number of piston nings	Oil	1
Compression ratio		9.8:1
0	Standard	1,510 (15.4, 219)
Compression pressure kPa (kg/cm ² , psi) / 200 rpm	Minimum	1,270 (12.95, 184)
(1 a ((g/off) , p3)) / 200 ipin	Differential limit between cylinders	100 (1.0, 14.5)

Drive Belt

DRIVE BELT

Belt Deflection

		Deflec	ction adjustment *	Unit: mm (in)
L	Location		Used belt	New belt
		Limit	After adjusted	
Drive belt	With A/C	10.0 (0.39)	4.9 - 5.2 (0.19 - 0.20)	4.1 - 4.4 (0.16 - 0.17)
Drive beit	Without A/C	9.1 (0.36)	4.3 - 4.7 (0.17 - 0.19)	3.7 - 3.9 (0.146 - 0.154)
Applied	pushing force	98.1 N (10.0 kg-f, 22.0 lb-f)		b-f)

*: When engine is cold.

Belt Tension and Frequency

		Tension ad	justment *	Unit: N (kg-f, lb-f)	Frequenc	cy adjustment *	Unit: Hz
	Location	Used	belt	New belt	Us	sed belt	New belt
		Limit	After adjusted	New Delt	Limit	After adjusted	New Deit
Drive belt	With A/C	350 (35.7, 78.7)	881 - 951 (89.9 - 97.0, 198.0 - 213.8)	1070 - 1138 (109.1 - 116.1, 240.5 - 255.8)	145.5	230.5 - 239.5	254 - 262
_	Without A/C	550 (55.7, 76.7)	876 - 964 (89.4 - 98.3, 196.9 - 216.7)	1064 - 1152 (108.5 - 117.5, 239.2 - 259.0)	162	256.5 - 268.5	282.5 - 293.5

*: When engine is cold.

Spark Plug

INFOID:000000012945609

SPARK PLUG (PLATINUM-TIPPED TYPE)

INFOID:000000012945611

INFOID:000000012945610

 Make
 NGK

 Standard type*
 PLZKAR6A-11

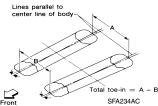
 Gap (nominal)
 1.1 mm (0.043 in)

*: Always check with the Parts Department for the latest parts information.

Front Wheel Alignment (Unladen*1)

INFOID:000000012945608

	Minimum	-0° 50′ (-0.83°)
Camber	Nominal	-0° 05′ (-0.08°)
Degree minute (Decimal degree)	Maximum	0° 40′ (0.67°)
	(LH) and (RH) difference ^{*2}	-0° 45′ (-0.75°) - 0° 45′ (0.75°)
	Minimum	3° 00′ (3.00°)
Caster	Nominal	3° 45′ (3.75°)
Degree minute (Decimal degree)	Maximum	4° 30′ (4.50°)
	(LH) and (RH) difference ^{*2}	-0° 45′ (-0.75°) - 0° 45′ (0.75°)
	Minimum	11° 00′ (11.00°)
Kingpin inclination Degree minute (Decimal degree)	Nominal	11° 45′ (11.75°)
	Maximum	12° 30′ (12.50°)



		Minimum	Out 1 mm (Out 0.04 in)
	Distance (A - B)	Nominal	In 1 mm (In 0.04 in)
Tatal tao in		Maximum	In 3 mm (In 0.12 in)
	otal toe-in Angle (LH and RH)	Minimum	Out 0° 05′ (Out 0.08°)
	Degree minute	Nominal	In 0° 05′ (In 0.08°)
	(Decimal degree)	Maximum	ln 0° 15′ (ln 0.24°)

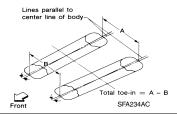
*1: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

*2: The difference when assuming the (LH) side is the standard.

Rear Wheel Alignment (Unladen*1)

INFOID:000000012945607

	Minimum	-1° 55′ (-1.92°)
Camber Degree minute (Decimal degree)	Nominal	-1° 25′ (-1.42°)
	Maximum	-0° 55′ (-0.92°)



Total toe-in Angle (LH and RH) ^{*2} Degree minute (Decimal degree)		Minimum	Out 2.0 mm (Out 0.079 in)
	Distance (A - B)	Nominal	In 2.0 mm (In 0.079 in)
		Maximum	In 6.0 mm (In 0.236 in)
		Minimum	Out 0° 15′ (Out 0.25°)
		Nominal	ln 0° 10′ (ln 0.17°)
	Maximum	In 0° 35′ (In 0.58°)	

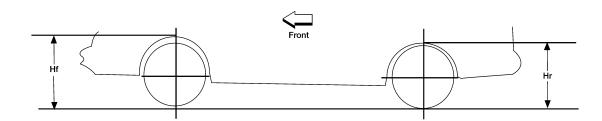
*1: Fuel, engine coolant, and lubricants are full. Spare tire, jack, hand tools, and mats are in designated positions.

*2: Since an adjustment mechanism is not included, the value of the left and right wheels must be used as the standard value.

Wheelarch Height (Unladen*)

INFOID:000000012945606

Unit: mm (in)



		LEIA0085E
Tire size	185/65R15	195/55R16
Front (Hf)	692 (27.24)	691 (27.20)
Rear (Hr)	678 (26.69)	677 (26.65)

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

Brake Specifications

INFOID:000000012945605

Unit: mm (in)

	Cylinder bore diameter	54.025 (2.13)
Front brake	Pad length × width × thickness	115.0 × 42.0 × 9.0 (4.53 × 1.654 × 0.354)
	Rotor outer diameter × thickness	260 × 22.0 (10.24 × 0.87)
	Cylinder bore diameter	19.05 (3/4)
Rear brake	Lining length × width × thickness	Trailing: 172 × 37 × 4.8 (6.77 × 1.46 × 0.19) Leading: 155 × 37 × 4.8 (6.10 ×1.46 × 0.19)
	Drum inner diameter - new	203.2 (8.00)
Master cylinder	Cylinder bore diameter	22.23 (0.875)
Control valve	Valve type	Electric brake force distribution
Brake booster	Diaphragm diameter	255 (10)

Brake Pedal

INFOID:000000012945604

Unit: mm (in)

Item	Standard
Brake pedal height	158 ± 5 (6.22 ±0.20)
Clearance between brake pedal lever and the stop lamp switch threaded end	0.2 - 1.96 (0.008 - 0.077)
Clearance between brake pedal lever and the brake pedal position switch threaded end (if equipped)	0.2 - 1.96 (0.008 - 0.077)
Brake pedal full stroke	128 (5.04)

Front Disc Brake

INFOID:000000012945603

Unit:	mm	(in)
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Item		Limit	
Brake pad Wear thickness		2.0 (0.08)	
	Wear thickness	20.0 (0.787)	
Disc rotor	Thickness variation (measured at 8 positions)*	0.013 (0.001)	
	Runout (with it attached to the vehicle)	0.055 (0.002)	

*To check if rotor imbalance, rotor runout or rotor deformation exists.

Rear Drum Brake

INFOID:000000012945602

		Unit: mm (in)	
	Item Limit		
Brake lining	Wear thickness	1.0 (0.04)	
Brake drum	Wear inner diameter- maximum	204.2 (8.04)	

Fluids and Lubricants

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The following are approximate capacities. The actual capacities may be slightly different. When refilling, follow the procedures described elsewhere in this manual.

Eluid tupo		Capacity (Approximate)			
Fluid type			Metric	US measure	Imp measure
Fuel		41.0 <i>l</i>	10-7/8 gal	9 gal	
Engine oil Drain and refill	With oil filter chang	je	3.5 l	3-3/4 qt	3-1/8 qt
	Without oil filter change		3.2 l	3-3/8 qt	2-7/8 qt
Dry engine (engine overhaul)		4.0 <i>l</i>	4-1/4 qt	3-1/2 qt	
Engine coolant	With reservoir	CVT	7.3 l	7-3/4 qt	6-3/8 qt
	tank at "MAX" level	M/T	6.7 l	7-1/8 qt	5-7/8 qt
	Reservoir tank cap (at "MAX" level)	acity	0.7 l	3/4 qt	5/8 qt
Manual transaxle fluid (MTF)		2.67 l	5-5/8 pt	4-3/4 pt	
CVT fluid		6.9 <i>l</i>	7-1/4 qt	6-1/8 qt	
Brake and clutch fluid		—	—	—	
Multi-purpose grease		—	—	_	
Windshield washer fluid		3.5 l	3-3/4 qt	3-1/8 qt	
Air conditioning system refrigerant		0.4 kg	0.9 lb	0.9 lb	
Air conditioning system oil		110 - 130 mℓ	3.7 - 4.4 fl oz	3.9 - 4.6 fl oz	