Technical Bulletin



SERVICE BULLETIN

REVISED WHEEL ALIGNMENT SPECIFICATIONS

This bulletin has been amended to add 2018 Versa Sedan and 2018 Versa Note. No other changes have been made. Please discard previous versions of this bulletin.

APPLIED VEHICLES: 2016-2017 Altima (L33)

2016-2017 Frontier (D40) 2016-2017 LEAF (ZE0) 2016-2017 Maxima (A36) 2016-2017 Murano (Z52) 2016 Murano Hybrid (Z52) 2016-2017 NV200 (M20)

2016-2017 NV Cargo and Passenger Van (F80)

2016-2017 Pathfinder (R52) 2016-2017 Rogue (T32) 2017 Rogue Hybrid (T32)

2016-2017 TAXI

2016-2018 Versa Note (E12) 2016-2018 Versa Sedan (N17)

SERVICE INFORMATION

For the Applied Vehicles, some wheel alignment specifications listed in the Front Suspension (FSU) and Rear Suspension (RSU) sections of the Electronic Service Manual (ESM) have been revised.

Updated ESMs will be distributed to the field as quickly as possible.

Until the updated ESMs are made available, please use the corrected specifications listed in this bulletin.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

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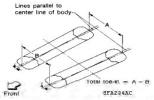
2016-2017 Altima

Front Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

INFOID:0000000014604968

Market		United	l States	Ca	nada
Tire size		215/60R16 and 215/55R17	235/45R18	215/60R16, and 215/55R17	235/45R18
Camber	Minimum		-1° 09′ 18	" (-1.155°)	
Degree minute (Decimal degree)	Nominal		-0° 19′ 48	" (-0.330°)	
(Decimal degree)	Maximum		0° 29′ 42	" (0.495°)	
	Difference (LH - RH)		0° 00′ 00″ ± 0° 33	3′ 00″ (0° ± 0.55°)	
Caster *2	Minimum	4° 01′ 12″ (4.02°)	4° 06′ 00″ (4.10°)	4° 01′ 1	2" (4.02°)
Degree minute	Nominal	4° 55′ 12″ (4.92°)	5° 00′ 00″ (5.00°)	4° 55′ 1	2" (4.92°)
(Decimal degree)	Maximum	5° 49′ 12″ (5.82°)	5° 54′ 00″ (5.90°)	5° 49′ 1	2" (5.82°)
Kingpin inclination	Minimum	13° 34′ 48″ (13.58°)	13° 40′ 12″ (13.67°)	13° 34′ 48″ (13.58°)	13° 40′ 12″ (13.67°)
Degree minute	Nominal	14° 19′ 48″ (14.33°)	14° 25′ 12″ (14.42°)	14° 19′ 48″ (14.33°)	14° 25′ 12″ (14.42°)
(Decimal degree)	Maximum	15° 04′ 48″ (15.08°)	15° 10′ 12″ (15.17°)	15° 04′ 48″ (15.08°)	15° 10′ 12″ (15.17°)



		Minimum	Out 1.7 mm (Out 0.067 in)	
	Distance (A - B)	Nominal	In 0.8 mm (In 0.031 in)	
Total toe-		Maximum	In 3.3 mm (In 0.130 in)	
in	Angle (LH and	Minimum	Out 0° 07' 48" (Out 0.13°)	
- 44	RH) Degree minute	Nominal	In 0° 04′ 12″ (In 0.07°)	
	(Decimal degree)	Maximum	In 0° 16′ 12″ (In 0.27°)	

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

^{*2:} For the caster angle, the difference between right and left against the ground surface shall be \pm 0° 30′ (\pm 0.50°) maximum.

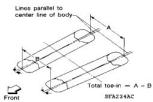
2016-2017 Altima

Rear Wheel Alignment Specifications

Wheel Alignment (Unladen*)

INFOID:0000000014604991

Camber	Minimum	-1° 24′ 36″ (-1.41°)
Degree minute	Nominal	-0° 39′ 36″ (-0.66°)
(Decimal degree)	Maximum	0° 05′ 24″ (0.09°)



Distance (A - E		Minimum	Out 2.6 mm (Out 0.102 in)
	Distance (A - B)	Nominal	In 1.4 mm (In 0.055 in)
T-4-14 i-		Maximum	In 5.4 mm (In 0.213 in)
Total toe-in	Angle (LH and RH)	Minimum	Out 0° 10′ 48″ (Out 0.18°)
	Degree minute	Nominal	In 0° 07′ 12″ (In 0.12°)
(Decimal degree)	Maximum	In 0° 25′ 12″ (In 0.42°)	

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

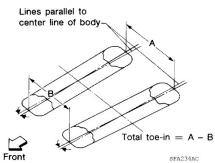
2016-2017 Frontier

Front Wheel Alignment Specifications

Wheel Alignment (Unladen*1)*6

INFOID:0000000014654831

Drive type		2WD	4WD
	Minimum	-0° 34′ (-0.575°)	-0° 19′ (-0.325°)
Camber	Nominal	0° 15′ (0.25°)	0° 30′ (0.50°)
Degree minute (decimal degree)	Maximum	1° 04′ (1.075°)	1° 19′ (1.325°)
	Cross camber	0° 00′ ± 0° 49′ (0.00°± 0.825°)	0° 00′ ± 0° 49′ (0.00° ± 0.825°)
	Minimum	1° 51′ (1.85°)	1° 36′ (1.6°)
Caster	Nominal	2° 45′ (2.75°)	2° 30′ (2.5°)
Degree minute (decimal degree)	Maximum	3° 39′ (3.65°)	3° 24′ (3.4°)
	Cross caster	0° 00′ ± 0° 49′ (0.00° ± 0.825°)	0° 00′ ± 0° 49′ (0.00° ± 0.825°)
Kingpin inclination Degree minute (decimal degree)	Nominal	13° 00′ 00″ (13.000°)	12° 45′ 00″ (12.750°)



			Minimum	Out 2.5 mm	(Out 0.09 in)
	Distance		Nominal	In 4.0 mm	(In 0.16 in)
Total toe-in			Maximum	In 10.5 mm	(In 0.41 in)
	Minimum		Out 0° 03′ (Out 0.05°)		
	Angle Degree minute	(Decimal degree)	Nominal	In 0° 09′ (In 0.15°)	
	3	N		In 0° 21′ (In 0.35°)	
Whool turning	angle (full turn)	Inside Degree minute (De	ecimal degree)	33° 28′ 12″– 35° 28′ 12″ * ² (33.47° – 35.47°)	33° 37′ 48″ – 35° 37′ 48″ * ⁴ (33.63° – 35.63°)
writeer turning	angle (ruii turri)	Outside Degree minute (De	ecimal degree)	29° 27′ 00″ – 31° 27′ 00″ * ³ (29.45° – 31.45°)	29° 49′ 12″ – 31° 49′ 12″ * ⁵ (29.82° – 31.82°)

^{*1:} Fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

^{*2:} Target value 35° 28′ 12″ (35.47°)

^{*3:} Target value 31° 27′ 00″ (31.45°)

^{*4:} Target value 35° 37′ 48″ (35.63°)

^{*5:} Target value 31° 49′ 12″ (31.82°)

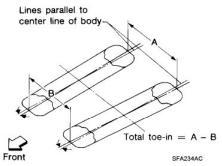
^{*6:} Some vehicles may be equipped with straight (non-adjustable) lower link bolts and washers. In order to adjust camber and caster on these vehicles, first replace the lower link bolts and washers with adjustable (cam) bolts and washers.

2016-2017 LEAF

Front Wheel Alignment Specifications

Wheel Alignment

Item		Standard
	Minimum	-1° 19′ 30″ (-1.325°)
Camber	Nominal	-0° 30′ 00″ (-0.50°)
Degree minute (Decimal degree)	Maximum	0° 19′ 30″ (0.325°)
	LH and RH difference*1	-0° 48′ (-0.80°) - 0° 48′ (0.80°)
	Minimum	4° 10′ 48″ (4.18°)
Caster	Nominal	5° 05′ 00″ (5.08°)
Degree minute (Decimal degree)	Maximum	5° 58′ 48″ (5.98°)
	LH and RH difference*1	-0° 48′ (-0.80°) - 0° 48′ (0.80°)
T-000 - 100	Minimum	11° 25′ 00″ (11.42°)
Kingpin inclination Degree minute (Decimal degree)	Nominal	12° 10′ 00″ (12.17°)
	Maximum	12° 55′ 00″ (12.92°)



Distance (A - B)	Minimum	Out 2 mm (Out 0.08 in)	
	Distance (A - B)	Nominal	0 mm (0.00 in)
Total too in		Maximum	In 2 mm (In 0.08 in)
	r 1 100 1210	Minimum	Out 0 ° 12′ 00″ (Out 0.20°)
	Angle (LH and RH) Degree minute (Decimal degree)	Nominal	0 ° 00′ 00″ (0.00°)
	Dog. oo minato (Doomai dog. oo)	Maximum	In 0 ° 12′ 00″ (In 0.20°)

Measure value under unladen*2 conditions.

Ball Joint

Item	Standard
Swing torque	0.5 – 4.9 N·m (0.06 – 0.49 kg-m, 5 – 43 in-lb)
Measurement on spring balance	15.4 – 150.8 N (1.6 – 15.3 kg, 3.5 – 33.8 lb)
Axial end play	0 mm (0 in)

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^{*1:} A difference when assuming the LH a standard.

^{*2:} Fluids and lubricants are full. Tire repair kit and mats are in designated positions.

2016-2017 LEAF

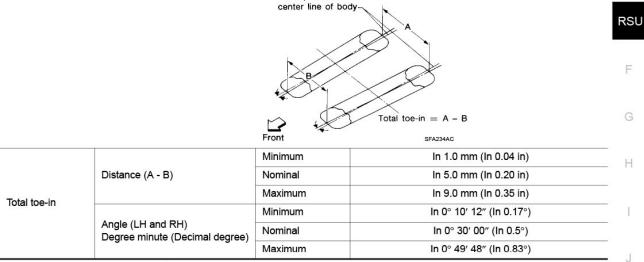
Rear Wheel Alignment Specifications

Wheel Alignment

Tire size		205/55R16	215/50R17
Camber Degree minute (Decimal degree)	Minimum	-2° 10′ 12″ (-2.17°)	
	Nominal	-1° 25′ 12″	(-1.42°)
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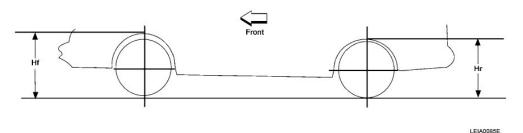
Maximum



Measure value under unladen* conditions.

Wheelarch Height

UNITED STATES



Tire size	205/55R16	215/50R17
Front (Hf)	706 mm (27.80 in)	714 mm (28.11 in)
Rear (Hr)	708 mm (27.87 in)	714 mm (28.11 in)

Measure value under unladen* conditions.

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-0° 40′ 12" (-0.67°)

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^{*:} Fluids and lubricants are full. Tire repair kit and mats are in designated positions.

^{*:}Fluids and lubricants are full. Tire repair kit and mats are in designated positions.

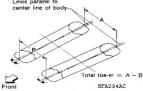
2016-2017 Maxima

Front Wheel Alignment Specifications

Wheel Alignment (Unladen*)

UNITED STATES & CANADA

Tire size		P245/45R18	P245/40R19	
	Minimum	-1° 12' 54" (-1.215°)	
Camber	Nominal	-0° 23' 24" (-0.390°)	D
Degree minute (Decimal degree)	Maximum	0° 26' 06" (0.435°)	-
	(LH) and (RH) difference	0° 00' 00" ± 0° 33' 0	0" (0.00°± 0.55°)	FS
	Minimum	3° 54' 00" (3.90°)	4° 00' 00" (4.00°)	
Caster	Nominal	4° 48' 00" (4.80°)	4° 54' 00" (4.90°)	
Degree minute (Decimal degree)	Maximum	5° 42' 00" (5.70°)	5° 48' 00" (5.80°)	F
	(LH) and (RH) difference	0° 00' 00" ± 0° 30' 0	0" (0.00°± 0.50°)	
Kingpin inclination Degree minute (Decimal degree)		14° 24' 00" ± 0° 45' 0	0" (14.40°± 0.75°)	G



	Minimum	Out 2.2 mm (Out 0.087 in)	
	Distance (A - B)	Nominal	In 0.8 mm (In 0.031 in)
T-4-14 !-		Maximum	In 3.8 mm (In 0.150 in)
lotal toe-in	otal toe-in Angle (LH and RH) Degree minute	Minimum	Out 0° 07′ 48" (Out 0.13°)
		Nominal	In 0° 04′ 12" (In 0.07°)
	(Decimal degree)	Maximum	In 0° 16′ 12" (In 0.27°)

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

MEXICO

	Minimum	-1° 05' 06" (-1.085°)	
Camber	Nominal	-0° 15' 36" (-0.260°)	
Degree minute (Decimal degree)	Maximum	0° 33' 54" (0.565°)	
	(LH) and (RH) difference	0°00' 00" ± 0° 33' 00" (0.00°± 0.55°)	
	Minimum	3° 36' 00" (3.60°)	
Caster	Nominal	4° 30′ 00" (4.50°)	
Degree minute (Decimal degree)	Maximum	5° 24' 00" (5.40°)	
3	(LH) and (RH) difference	$0^{\circ}~00'~00" \pm 0^{\circ}~30'~00"~(0.00^{\circ}\pm 0.50^{\circ})$	
Kingpin inclination Degree minute (Decimal degree)		14° 10' 12" ± 0° 45' 00" (14.17° ± 0.75°)	20

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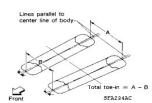
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2016-2017 Maxima

Front Wheel Alignment Specifications (continued)



	Minimum	Out 2.2 mm (Out 0.087 in)
Distance (A - B)	Nominal	In 0.8 mm (In 0.031 in)
	Maximum	In 3.8 mm (In 0.150 in)
Angle (LH and RH)	Minimum	Out 0° 07′ 48" (Out 0.13°)
Degree minute	Nominal	In 0° 04′ 12" (In 0.07°)
(Decimal degree)	Maximum	In 0° 16′ 12" (In 0.27°)
	Angle (LH and RH)	Distance (A - B) Nominal Maximum Angle (LH and RH) Degree minute (Decimal degree) Nominal

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

Ball Joint

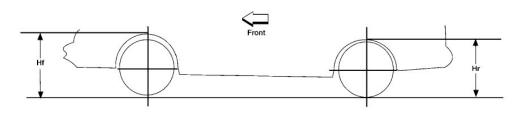
Item	Standard	
Swinging torque	ng torque 0.5 – 4.9 N·m (0.05 – 0.50 kg-m, 4 – 43 ir	
Rotating torque	0.5 – 4.9 N·m (0.05 – 0.50 kg-m, 4 – 43 in-lb)	
Axial end play	0.1 mm (0.004 in)	

Wheelarch Height (Unladen*1)

INFOID:0000000011935672

UNITED STATES & CANADA

Unit: mm (in)



 IEIA0085E

 Tire size
 P245/45R18
 P245/40R19

 Front (Hf)
 708 (27.87)
 704 (27.72)

 Rear (Hr)
 719 (28.31)
 712 (28.03)

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

2016-2017 Maxima

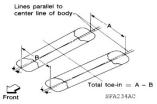
Rear Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

INFOID:0000000011932742

UNITED STATES & CANADA

Market		United States		Canada	
Tire size		P245/45R18	P245/40R19	P245/45R18	P245/40R19
Camber	Minimum	-1° 08′ 24" (-1.14°)	-1° 18′ 00" (-1.30°)	-1° 05′ 24" (-1.09°)	-1° 15′ 36" (-1.26°)
Degree minute (Decimal	Nominal	-0° 23′ 24" (-0.39°)	-0° 33′ 00" (-0.55°)	-0° 20′ 24" (-0.34°)	-0° 33′ 36" (-0.51°)
degree)	Maximum	0° 21' 36" (0.36°)	0° 12′ 00" (0.20°)	0° 24' 36" (0.41°)	0° 14′ 24" (0.24°)

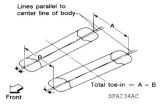


		Minimum	Out 1.4 mm (Out 0.055 in)	Out 1.0 mm (Out 0.039 in)	Out 1.4 mm (Out 0.055 in)	Out 1.0 mm (Out 0.039 in)
	Distance (A - B)	Nominal	In 2.6 mm (In 0.102 in)	In 3.0 mm (In 0.118 in)	In 2.6 mm (In 0.102 in)	In 3.0 mm (In 0.118 in)
Total toe-in		Maximum	In 6.6 mm (In 0.260 in)	In 7.0 mm (In 0.276 in)	In 6.6 mm (In 0.260 in)	In 7.0 mm (In 0.276 in)
	Angle (LH and RH)	Minimum	Out 0° 04′ 48″ (Out 0.08°)	Out 0° 02′ 24″ (Out 0.04°)	Out 0° 04′ 48″ (Out 0.08°)	Out 0° 02′ 24″ (Out 0.04°)
	Degree minute (Decimal de-	Nominal	In 0° 13′ 12″ (In 0.22°)	In 0° 15′ 36″ (In 0.26°)	In 0° 13′ 12″ (In 0.22°)	In 0° 15′ 36″ (In 0.26°)
-	gree)	Maximum	In 0° 31′ 12″ (In 0.52°)	In 0° 33′ 36″ (In 0.56°)	In 0° 31′ 12″ (In 0.52°)	In 0° 33′ 36″ (In 0.56°)

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

MEXICO

Tire size		P245/45R18	P245/40R19
	Minimum	-1° 12′	36" (-1.21°)
Camber Degree minute (Decimal degree)	Nominal	-0° 27′ 36" (-0.46°)	
	Maximum	0° 17′	24" (0.29°)



		Minimum	Out 3.5 mm (Out 0.138 in)
Dist	Distance (A - B)	Nominal	In 0.5 mm (In 0.020 in)
Total toe-in		Maximum	In 4.5 mm (In 0.177 in)
Angle Degre	Angle (LH and RH)	Minimum	Out 0° 15′ 36″ (Out 0.26°)
	Degree minute	Nominal	In 0° 02′ 24″ (In 0.04°)
	(Decimal degree)	Maximum	In 0° 20′ 24″ (In 0.34°)

2016-2017 Murano

Front Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

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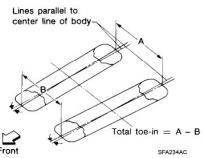
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Measurement wheel		(LH) side	(RH) side	
	Minimum	-1° 04′ 30″ (-1.075°)		
Camber	Nominal	-0° 15′ 00″ (-0.25°)		
Degree minute (Decimal degree)	Maximum	0° 34′ 30″ (0.575°)		
	Difference (LH-RH)	0° 0′±0° 3	3′ (0°±0.55°)	
	Minimum	3° 51′ 00″ (3.85°)		
Caster	Nominal	4° 45′ 00″ (4.75°)		
Degree minute (Decimal degree)	Maximum	Maximum 5° 39′ 00″ (5.65°)		
	(LH) and (RH) difference	(LH) and (RH) difference 0°30′ (0.50°) Maxin		
	Minimum	12° 00′ (12.00°)	12° 15′ (12.25°)	
Kingpin inclination Degree minute (Decimal degree)	Nominal	12° 45′ (12.75°)	13° 00′ (13.00°)	
	Maximum	13° 30′ (13.50°)	13° 45′ (13.75°)	



	Front	SFA234AC	
Total toe-in	Distance (A - B)	Minimum	Out 0.6 mm (Out 0.024 in)
		Nominal	In 1.4 mm (In 0.055 in)
		Maximum	In 3.4 mm (In 0.134 in)
Total toe-III	Angle (LH) and (RH) Degree minute (Decimal degree)	Minimum	Out 0° 06′ 00″ (Out 0.10°)
		Nominal	In 0° 06′ 00″ (In 0.10°)
		Maximum	In 0° 18′ 00″ (In 0.30°)

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

Ball Joint

	Item	Standard
Swinging torque	Transverse link	0.5 – 4.9 N·m (0.05 – 0.50 kg-m, 4 – 43 in-lb)
Rotating torque	Transverse link	0.5 – 4.9 N·m (0.05 – 0.50 kg-m, 4 – 43 in-lb)
Axial end play	1	0.1 mm (0.004 in)

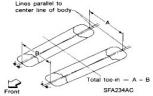
2016-2017 Murano

Rear Wheel Alignment Specifications

Wheel Alignment (Unladen*)

INFOID:0000000014640161

Item		Standard
No. 0	Minimum	-1° 30′ 00″ (-1.50°)
Camber Degree minute (Decimal degree)	Nominal	-0° 45′ 00″ (-0.75°)
g · · · · · · · · · (· · · · ·	Maximum	0° 00′ 00″ (0.00°)



	Distance (A - B)	Minimum	Out 0.7 mm (Out 0.028 in)
		Nominal	In 3.3 mm (In 0.130 in)
T-1-11 !-		Maximum	In 7.3 mm (In 0.287 in)
Total toe-in	Angle (LH and RH) Degree minute (Decimal degree)	Minimum	Out 0° 04′ 12″ (Out 0.07°)
		Nominal	In 0° 13′ 48″ (In 0.23°)
		Maximum	In 0° 31′ 48″ (In 0.53°)

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

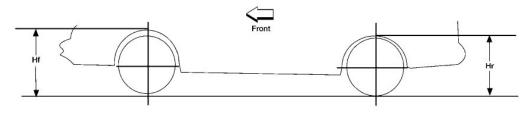
Ball Joint

Item	Standard
Swinging torque	0.5 – 3.4 N·m (0.05 – 0.35 kg-m, 4 – 30 in-lb)
Rotating torque	0.5 – 3.4 N·m (0.05 – 0.35 kg-m, 4 – 30 in-lb)
Axial end play	0.1 mm (0.004 in)

Wheelarch Height (Unladen*)

INFOID:0000000014640163

UNITED STATES



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Tire size	235/65R18	235/55R20
Front (Hf)	835 mm (32.87 in)	834 mm (32.83 in)
Rear (Hr)	824 mm (32.44 in)	822 mm (32.36 in)

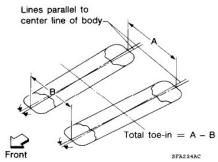
2016 Murano Hybrid

Front Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

INFOID:0000000012920179

Measurement wheel		(LH) side	(RH) side
	Minimum	- 1° 04′ 30" (- 1.075°)	
Camber	Nominal	- 0° 15′ 00" (- 0.25°)	
Degree minute (Decimal degree)	Maximum	0° 34′ 30" (0.575°)	
	Difference (LH-RH)	0° 00′ 00" ± 00° 3	3'00" (0.0° ± 0.55°)
	Minimum	3° 51′ 00" (3.85°)	
Caster	Nominal	4° 45′ 0	0" (4.75°)
Degree minute (Decimal degree)	Maximum	5° 39′ 00" (5.65°)	
	(LH) and (RH) difference	0° 30′ 00" (0.	50°) Maximum
	Minimum	12° 00′ 00" (12.00°)	12° 15′ 00" (12.25°)
Kingpin inclination Degree minute (Decimal degree)	Nominal	12° 45′ 00" (12.75°)	13° 00′ 00" (13.00°)
5 · · · · · · · · · · · · · · · · ·	Maximum	13° 30′ 00" (13.50°)	13° 45′ 00" (13.75°)



Total toe-in	Distance (A - B)	Minimum	Out 0.6 mm (Out 0.024 in)
		Nominal	In 1.4 mm (In 0.055 in)
		Maximum	In 3.4 mm (In 0.134 in)
	Angle (LH) and (RH) Degree minute (Decimal degree)	Minimum	Out 0° 06′ 00″ (Out 0.10°)
		Nominal	In 0° 06′ 00″ (In 0.10°)
		Maximum	In 0° 18′ 00″ (In 0.30°)

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

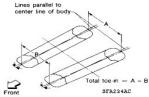
2016 Murano Hybrid

Rear Wheel Alignment Specifications

Wheel Alignment (Unladen*)

INFOID:0000000012920207

Item		Standard
100 O	Minimum	- 1° 30′ 00" (- 1.50°)
Camber Degree minute (Decimal degree)	Nominal	- 0° 45′ 00" (- 0.75°)
	Maximum	0° 00′ 00" (0.00°)



	Distance (A - B)	Minimum	Out 0.7 mm (Out 0.028 in)
		Nominal	In 3.3 mm (In 0.130 in)
T-4-1 4 :-		Maximum	In 7.3 mm (In 0.287 in)
Total toe-in	Angle (LH and RH) Degree minute (Decimal degree)	Minimum	Out 0° 04' 12" (Out 0.07°)
		Nominal	In 0° 13′ 48" (In 0.23°)
		Maximum	In 0° 31′ 48" (In 0.53°)

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

2016-2017 NV200

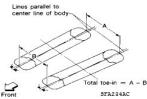
Front Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

INFOID:0000000014437677

UNITED STATES and CANADA

	Minimum	– 1° 09′ (–1.15°)
Camber	Nominal	- 0° 20′ (- 0.33°)
Degree minute (Decimal degree)	Maximum	0° 29′ (0.49°)
	(LH) and (RH) difference*2	- 0° 49′ (- 0.825°) - 0° 49′ (0.825°)
	Minimum	3° 16′ (3.27°)
Caster	Nominal	4° 10′ (4.17°)
Degree minute (Decimal degree)	Maximum	5° 04′ (5.07°)
	(LH) and (RH) difference*2	- 0° 49′ (- 0.825°) - 0° 49′ (0.825°)
	Minimum	11° 10′ (11.17°)
Kingpin inclination Degree minute (Decimal degree)	Nominal	11° 55′ (11.92°)
Degree minute (Decimal degree)	Maximum	12° 40′ (12.67°)



	APROPER L	Minimum	Out 1.0 mm (Out 0.039 in)		
		Nominal	In 1.0 mm (In 0.039 in)		
Total		Maximum	Maximum	In 3.2 mm (In 0.125 in)	
oe-in		Minimum	Out 0° 06'(Out 0.10°)		
		Nominal	In 0° 06′ (In 0.10°)		
	(Decimal degree)	Maximum	In 0° 18′ (In 0.30°)		

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

Ball Joint

Swinging torque	0.5 – 4.9 N·m (0.05 – 0.50 kg-m, 4 – 43 in-lb)
Rotating torque	0.5 – 4.9 N·m (0.05 – 0.50 kg-m, 4 – 43 in-lb)
Axial end play	0 mm (0 in)

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

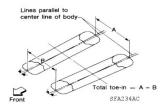
2016-2017 NV200

Rear Wheel Alignment Specifications

Wheel Alignment (Unladen*)

INFOID:0000000014438852

	Minimum	-2° 00′ (-2.00°)
Camber Degree minute (Decimal degree)	Nominal	-1° 30′ (-1.50°)
	Maximum	-1° 00′ (-1.00°)

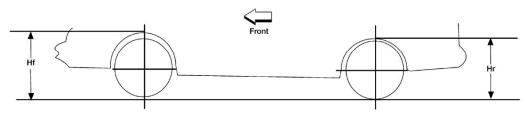


			Out 2.0 mm (Out 0.079 in)
Distance (A - B)	Distance (A - B)	Nominal	In 3.0 mm (In 0.118 in)
Total too in	tal toe-in	Maximum	In 8.0 mm (In 0.315 in)
rotal toe-in		Minimum	Out 0° 14' (Out 0.23°)
Angle (LH and RH) Degree minute (Decimal degree)	Nominal	In 0° 16′ (In 0.27°)	
	Dog. coa.c (Doc. ma. dog. co)	Maximum	In 0° 46′ (In 0.77°)

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

Wheelarch Height (Unladen*)

INFOID:0000000014438853



LEIA0085E

Front (Hf)	700 mm (27.56 in)
Rear (Hr)	737 mm (29.02 in)

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

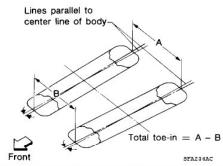
2016-2017 NV Cargo and Passenger Van

Front Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

INFOID:0000000014741406

Vehicle type		NV1500/2500	NV3500	Passenger van
	Minimum	-0° 49′ (-0.825°)		
Camber	Nominal	0° 00′ (0.00°)		
Degree minute (decimal degree)	Maximum	0° 49′ (0.825°)		
	Cross camber	0° 49′ (0.825°) or less		3
Caster Degree minute (decimal degree)	Minimum	5° 16′ (5.27°)	5° 01′ (5.02°)	5° 16′ (5.27°)
	Nominal	6° 10′ (6.17°)	5° 55′ (5.92°)	6° 10′ (6.17°)
	Maximum	7° 04′ (7.07°)	6° 49′ (6.82°)	7° 04′ (7.07°)
	Cross caster	0° 49′ (0.825°) or less		
Kingpin inclination (reference only) Degree minute (decimal degree)			8° 55′ (8.92°)	



		Minimum	In 2.6 mm (0.102 in)	In 2.7 mm (0.106 in)	In 2.6 mm (0.102 in)
	Distance (A - B)	Nominal	In 6.0 mm (0.236 in)	In 6.2 mm (0.244 in)	In 6.0 mm (0.236 in)
Total tag in		Maximum	In 9.4 mm (0.370 in)	In 9.7 mm (0.382 in)	In 9.4 mm (0.370 in)
Total toe-in	Angle	Minimum	In 0° 10′ (0.17°)		
	Degree minute (Decimal	Nominal	In 0° 26′ (0.44°)		
	degree)	Maximum	In 0° 43′ (0.71°)		
Wheel turning angle	Inside Degree minute (decimal de	egree)	35° 30′ – 39° 30′ *² (35.50° – 39.50°)	35° 30′ – 39° 30′ *2 (35.50° – 39.50°)	35° 30′ – 39° 30′ * ² (35.50° – 39.50°)
(full turn)	Outside Degree minute (decimal de	egree)	35° 30′ (35.50°)	35° 30′ (35.50°)	35° 30′ (35.50°)

^{*1:} Fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

^{*2:} Target value 38° 31′ (38.52°)

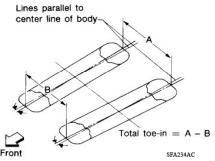
2016-2017 Pathfinder

Front Wheel Alignment Specifications

Wheel Alignment

INFOID:0000000012552105

Item		Sta	andard
Measurement wheel		(LH) side	(RH) side
	Minimum	-1° 05′ (-1.075°)	
Camber	Nominal	-0° 15′ (-0.25°)	
Degree minute (Decimal degree)	Maximum	0° 35′ (0.575°)	
	Left and right difference*1	0° 0′ ± 0° 33′ (0° ± 0.55°)	
	Minimum	3° 46	6′ (3.77°)
Caster	Nominal	4° 40)′ (4.67°)
Degree minute (Decimal degree)	Maximum	5° 34′ (5.57°)	
	Left and right difference*1	0°30′ (0.5	0°) Maximum
	Minimum	11° 55′ (11.92°)	12° 10′ (12.17°)
Kingpin inclination Degree minute (Decimal degree)	Nominal	12° 40′ (12.67°)	12° 55′ (12.92°)
	Maximum	13° 25′ (13.42°)	13° 40′ (13.67°)



		Minimum	Out 1.6 mm (Out 0.063 in)
	Angle (left and right) Degree minute (Decimal degree)	Nominal	In 1.4 mm (In 0.055 in)
-4-14 :		Maximum	In 4.4 mm (In 0.173 in)
otal toe-in		Minimum	Out 0° 06' (Out 0.10°)
		Nominal	In 0° 06′ (In 0.10°)
		Maximum	In 0° 18′ (In 0.30°)

Measure value under unladen conditions (Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions).

Ball Joint

Item		Standard
Swing torque	Transverse link	0.5 – 4.9 N·m (0.05 – 0.50 kg-m, 4 – 43 in-lb)
Measurement on spring balance	Transverse link	11.1 – 108.9 N (1.13 – 11.11 kg, 2.50 – 24.48 lb)
Axial end play		0 mm (0 in)

^{*1:} The (RH) camber angle shall be 0° 0′ \pm 0° 33′ (0° \pm 0.55°) with respect to the (LH) camber angle.

2016-2017 Pathfinder

Rear Wheel Alignment Specifications

Wheel Alignment (Unladen*)

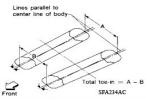
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Item		Standard
	Minimum	-1° 20′ (-1.33°)
Camber Degree minute (Decimal degree)	Nominal	-0° 35′ (-0.58°)
- og. commune (= commune og. co)	Maximum	0° 10′ (0.17°)



Distance (A - B) Total toe-in Angle (LH and RH) Degree minute		Minimum	Out 0.6 mm (Out 0.024 in)
	Nominal	In 2.4 mm (In 0.094 in)	
	Maximum	In 5.4 mm (In 0.213 in)	
	Minimum	Out 0° 07' (Out 0.12°)	
	Nominal	In 0° 11′ (In 0.18°)	
	(Decimal degree)	Maximum	In 0° 29′ (In 0.48°)

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

Ball Joint

Item	Standard	
Swing torque	0.5 – 3.4 N·m (0.05 – 0.35 kg-m, 4 – 30 in-lb)	
Measurement on spring balance (cotter pinhole position)	8.1 – 54.8 N (0.83 – 5.59 kg, 1.82 – 12.32 lb)	
Axial end play	0 mm (0 in)	

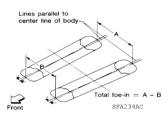
2016-2017 Rogue

Front Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

INFOID:0000000014582301

Axle type			F	WD			AWD	
Body type			2 ROW 3 ROW			2 ROW		3 ROW
Wheel diameter		17 inch	18 inch	19 inch	17 inch	17 or 18 inch	19 inch	17 inch
	Minimum	-1° 27′ 00″ (-1.45°)				-1	° 18′ 36" (–1.3	B1°)
Camber	Nominal	-0° 37′ 12″ (-0.62°)				-0° 28′ 48" (-0.48°)		
Degree minute	Maximum		0° 12′ 3	6" (0.21°)		C	° 21′ 00" (0.35	5°)
(Decimal de- gree)	(LH) and (RH) dif- ference			0° 00′ ±	0° 36′ 00" (0° ±	0.60°)		
	Minimum	4° 51′ 36" (4.86°)	4° 52′ 12" (4.87°)	4° 54′ 00" (4.90°)	4° 53′ 24" (4.89°)	4° 42′ 00" (4.70°)	4° 46′ 48" (4.78°)	4° 45′ 00" (4.75°)
Caster	Nominal	5° 45′ 36" (5.76°)	5° 46′ 12" (5.77°)	5° 48′ 00" (5.80°)	5° 47′ 24" (5.79°)	5° 36′ 00" (5.60°)	5° 40′ 48" (5.68°)	5° 39′ 00" (5.65°)
Degree minute (Decimal de- gree)	Maximum	6° 39′ 36" (6.66°)	6° 40′ 12" (6.67°)	6° 42′ 00" (6.70°)	6° 41′ 24" (6.69°)	6° 30′ 00" (6.50°)	6° 34′ 48" (6.58°)	6° 33′ 00" (6.55°)
	(LH) and (RH) dif- ference			0° 00′ ±	0° 36′ 00" (0° ±	0.60°)		
Kingpin inclina-	Minimum		11° 06′ 0	0" (11.10°)		10° 54′ 3	6" (10.91°)	10° 49′ 48" (10.83°)
tion Degree minute (Decimal de-	Nominal	11° 51′ 00" (11.85°)				110 307 36" (11 660)		11° 34′ 48" (11.58°)
gree)	Maximum		12° 36′ 00" (12.60°)			6" (12.41°)	12° 19′ 48" (12.33°)	



		Minimum	Out 1.0 mm (Out 0.039 in)
Distance (A - B)	Nominal	In 1.5 mm (In 0.059 in)	
To tal	(/	Maximum	In 4.0 mm (In 0.157 in)
to	to Angle (LH	Minimum	Out 0° 04′ 48″ (Out 0.08°)
e- in	and RH) Degree	Nominal	In 0° 07′ 12″ (In 0.12°)
ın	minute (Decimal degree)	Maximum	In 0° 19′ 12″ (In 0.32°)

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

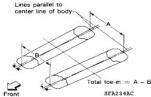
2016-2017 Rogue

Rear Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

INFOID:0000000012427666

Drive type		FWD	AWD
NEX 6	Minimum	-1° 49′ 12" (-1.82°)	-1° 28′ 48" (-1.48°)
Camber Degree minute (Decimal degree)	Nominal	-0° 55′ 12" (-0.92°)	-0° 34′ 48" (-0.58°)
209.00	Maximum	-0° 01′ 12" (-0.02°)	0° 19′ 12" (0.32°)



		Minimum	In 0.2 mm (In 0.008 in)
	Distance (A - B)	Nominal	In 4.2 mm (In 0.165 in)
T-4-14 :-		Maximum	In 8.2 mm (In 0.323 in)
Total toe-in	Angle (LH and RH)*2	Minimum	In 0° 01′ 48" (In 0.03°)
	Degree minute	Nominal	In 0° 19′ 48" (In 0.33°)
	(Decimal degree)	Maximum	In 0° 37′ 48" (In 0.63°)

^{*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.

2017 Rogue Hybrid

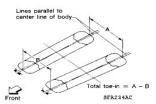
mal degree)

Front Wheel Alignment Specifications

Maximum

Wheel Alignment (Unladen*1)

Axle type		FWD	AWD
Wheel diameter		17 or 18 inch	17 or 18 inch
	Minimum	-1° 29′ 24″ (-1.49°)	-1° 19′ 48″ (-1.33°)
Camber	Nominal	-0° 39′ 36″ (-0.66°)	-0° 30′ 0″ (-0.50°)
Degree minute (Deci-	Maximum	0° 10′ 12″ (0.17°)	0° 19′ 48″ (0.33°)
mal degree) (LH) and (RH) difference		± 0° 36′ 0″ (±0.6	60°)
	Minimum	4° 55′ 48″ (4.93°)	4° 45′ 36″ (4.76°)
Caster	Nominal	5° 49′ 48″ (5.83°)	5° 39′ 36″ (5.66°)
Degree minute (Deci-	Maximum	6° 43′ 48″ (6.73°)	6° 33′ 36″ (6.56°)
mal degree)	(LH) and (RH) difference	± 0° 36′ 0″ (±0.6	50°)
Kingpin inclination	Minimum	11° 19′ 48″ (11.33°)	10° 54′ 36″ (10.91°)
Degree minute (Deci-	Nominal	12° 4′ 48″ (12.08°)	11° 39′ 36″ (11.66°)



12° 49′ 48″ (12.83°)

		Minimum	Out 1.0 mm (Out 0.039 in)
	Distance (A - B)	Nominal	In 1.5 mm (In 0.059 in)
To-		Maximum	In 4.0 mm (In 0.157 in)
tai toe-	tal toe- Angle (LH and	Minimum	Out 0° 4′ 48" (Out 0.08°)
in	RH) Degree minute	Nominal	In 0° 7′ 12″ (In 0.12°)
	(Decimal de- gree)	Maximum	In 0° 19′ 12″ (In 0.32°)

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

Ball Joint

	Item	Standard
Swinging torque	Transverse link	0.5 – 3.4 N·m (0.05 – 0.35 kg-m, 4 – 30 in-lb)
Rotating torque	Transverse link	0.5 – 3.4 N·m (0.05 – 0.35 kg-m, 4 – 30 in-lb)
Axial end play	,	0 mm (0 in)

22/29 NTB17-040a

INFOID:0000000014628136

12° 24′ 36″ (12.41°)

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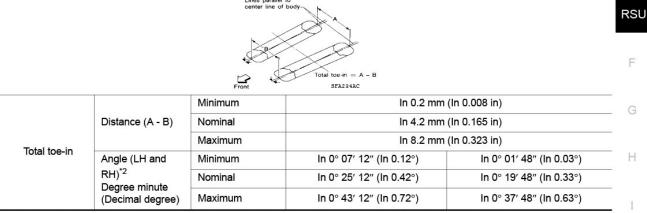
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2017 Rogue Hybrid

Rear Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

Drive Type		FWD	AWD
Camber Degree minute (Decimal degree)	Minimum	-1°'49' 12" (-1.82°)	-1° 34′ 12″ (-1.57°)
	Nominal	-0° 55′ 12″ (-0.92°)	-0° 40′ 12″ (-0.67°)
	Maximum	-0° 01′ 12″ (-0.02°)	0° 13′ 48″ (0.23°)



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

Wheelarch Height (Unladen*)

INFOID:0000000014628165

Unit: mm (in)

M

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INFOID:0000000014628164

Front

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Axle type	FWD		AWD	
Tire size	225/65R17	225/60R18	225/65R17	225/60R18
Front (Hf)	777 (30.59)	778 (30.63)	796 (31.34)	798 (31.42)
Rear (Hr)	772 (30.39)	774 (30.47)	792 (31.18)	793 (31.22)

^{*:} 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.

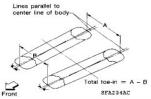
2016-2017 TAXI

Front Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

INFOID:0000000015033485

	Minimum	– 1° 09′ (–1.15°)
Camber	Nominal	- 0° 20′ (- 0.33°)
Degree minute (Decimal degree)	Maximum	0° 29′ (0.49°)
	(LH) and (RH) difference*2	- 0° 49′ (- 0.825°) - 0° 49′ (0.825°)
	Minimum	3° 16′ (3.27°)
Caster	Nominal	4° 10′ (4.17°)
Degree minute (Decimal degree)	Maximum	5° 04′ (5.07°)
	(LH) and (RH) difference*2	- 0° 49′ (- 0.825°) - 0° 49′ (0.825°)
	Minimum	11° 10′ (11.17°)
Kingpin inclination Degree minute (Decimal degree)	Nominal	11° 55′ (11.92°)
Degree minate (Decimal degree)	Maximum	12° 40′ (12.67°)



Distance (A - B) Nominal In 1.0 mr		Minimum	Out 1.0 mm (Out 0.039 in)
	Distance (A - B)	Nominal	In 1.0 mm (In 0.039 in)
	In 3.2 mm (In 0.125 in)		
	Minimum	Out 0° 06'(Out 0.10°)	
	Degree minute Nominal (Decimal degree) Maximum	In 0° 06′ (In 0.10°)	
		Maximum	In 0° 18′ (In 0.30°)

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

Ball Joint

Swinging torque	0.5 – 4.9 N·m (0.05 – 0.50 kg-m, 4 – 43 in-lb)
Rotating torque	0.5 – 4.9 N⋅m (0.05 – 0.50 kg-m, 4 – 43 in-lb)
Axial end play	0 mm (0 in)

 $^{^{*}2}$: The difference when assuming the (LH) side is the standard.

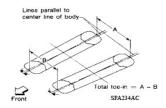
2016-2017 TAXI

Rear Wheel Alignment Specifications

Wheel Alignment (Unladen*)

INFOID:0000000013039294

	Minimum	-2° 00′ (-2.00°)
Camber Degree minute (Decimal degree)	Nominal	-1° 30′ (-1.50°)
2-3(2	Maximum	-1° 00′ (-1.00°)

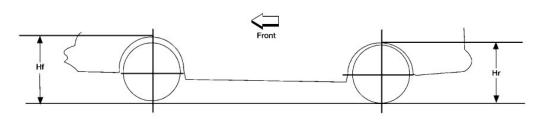


	Distance (A - B)	Minimum	Out 2.0 mm (Out 0.08 in)
		Nominal	In 3.0 mm (In 0.118 in)
T-1-11 1		Maximum	In 8.0 mm (In 0.315 in)
Total toe-in	Angle (LH and RH) Degree minute (Decimal degree)	Minimum	Out 0° 14' (Out 0.23°)
		Nominal	In 0° 16′ (In 0.27°)
	Dog. seate (Doesn'al dogree)	Maximum	In 0° 46′ (In 0.77°)

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

Wheelarch Height (Unladen*)

INFOID:0000000013039295



	LEIA0085E
Front (Hf)	700 mm (27.56 in)
Rear (Hr)	737 mm (29.02 in)

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

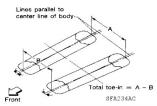
2016-2018 Versa Note

Front Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

INFOID:0000000014817995

	Minimum	- 0° 54′ (- 0.90°)
Camber	Nominal	- 0° 05′ (- 0.08°)
Degree minute (Decimal degree)	Maximum	0° 44′ (0.74°)
	(LH) and (RH) difference*2	- 0° 49′ (- 0.825°) - 0° 49′ (0.825°)
	Minimum	2° 51′ (2.85°)
Caster	Nominal	3° 45′ (3.75°)
Degree minute (Decimal degree)	Maximum	4° 39′ (4.65°)
	(LH) and (RH) difference*2	- 0° 49′ (- 0.825°) - 0° 49′ (0.825°)
	Minimum	11° 00′ (11.00°)
Kingpin inclination Degree minute (Decimal degree)	Nominal	11° 45′ (11.75°)
sogree minate (social degree)	Maximum	12° 30′ (12.50°)



	Distance (A - B) Minimum Nominal Maximum	Minimum	Out 2.1 mm (Out 0.083 in)
		Nominal	In 0.9 mm (In 0.035 in)
Total toe-in		In 3.9 mm (In 0.154 in)	
	Angle (LH and RH)	Minimum	Out 0° 12′ (Out 0.20°)
	Degree minute	gree minute Nominal	In 0° 05′ (In 0.08°)
	(Decimal degree)	Maximum	In 0° 22′ (In 0.36°)

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

Ball Joint

Swing torque	0.5 − 3.4 N·m (0.05 − 0.35 kg-m, 4 − 30 in-lb)
Rotating torque	15.4 – 104.7 N (1.6 – 10.7 kg-f, 3.5 – 23.5 lb-f)
Axial end play	0.1 mm (0.004 in)

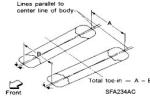
^{*2:} The difference when assuming the (LH) side is the standard.

2016-2018 Versa Note

Rear Wheel Alignment Specifications

Wheel Alignment (Unladen*1)

	Minimum	-1° 55′ (-1.92°)
Camber Degree minute (Decimal degree)	Nominal	-1° 25′ (-1.42°)
= - 3 (= = -9 . /	Maximum	-0° 55′ (-0.92°)



	Front	SFA234AC	
	Distance (A - B)	Minimum	Out 2.0 mm (Out 0.079 in)
		Nominal	In 2.0 mm (In 0.079 in)
Tatal tan in		Maximum	In 6.0 mm (In 0.236 in)
Total toe-in	Angle (LH and RH)*2 Degree minute (Decimal degree)	Minimum	Out 0° 15' (Out 0.25°)
		Nominal	In 0° 10′ (In 0.17°)
	Degree minute (Decimal degree)	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.

Wheelarch Height (Unladen*)

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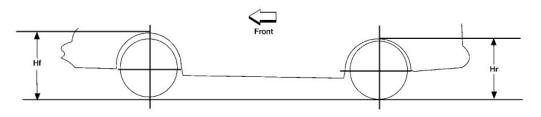
RSU

UNITED STATES

Unit: mm (in)

M

N



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

27/29

NTB17-040a

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

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

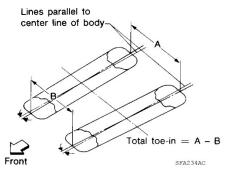
2016-2018 Versa Sedan

Front Wheel Alignment Specifications

Wheel Alignment

INFOID:0000000014221883

Item		Standard
	Minimum	- 0° 54′ (- 0.90°)
Occupie and	Nominal	- 0° 05′ (- 0.08°)
Camber Degree minute (Decimal degree)	Maximum	0° 44′ (0.74°)
	Left and right difference	- 0° 38′ (- 0.64°) - 0° 38′ (0.64°)
	Minimum	2° 46′ (2.77°)
Caster	Nominal	3° 40′ (3.67°)
Caster Degree minute (Decimal degree)	Maximum	4° 34′ (4.57°)
	Left and right differ- ence	- 0° 49′ (- 0.825°) - 0° 49′ (0.825°)
	Minimum	11° 00′ (11.00°)
Kingpin inclination Degree minute (Decimal degree)	Nominal	11° 45′ (11.75°)
g · · · · · · · · · · (· · · · · · · · · · · · · · · · ·	Maximum	12° 30′ (12.50°)



Total toe-in	Distance (A - B)	Minimum	Out 2.1 mm (Out 0.083 in)
		Nominal	In 0.9 mm (In 0.035 in)
		Maximum	In 3.9 mm (In 0.154 in)
	Angle (LH and RH) Degree minute (Decimal degree)	Minimum	Out 0° 12' (Out 0.20°)
		Nominal	In 0° 05′ (In 0.08°)
		Maximum	In 0° 22′ (In 0.36°)

Measure value under unladen* conditions.

Ball Joint

Item	Standard	
Swing torque	0.5 – 3.4 N·m (0.05 – 0.34 kg-m, 4.4 – 30 in-lb)	
Measurement on spring balance	15.4 – 104.7 N (1.6 – 10.7 kg-f, 3.5 – 23.5 lb-f)	
Axial end play	0 mm (0 in)	

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

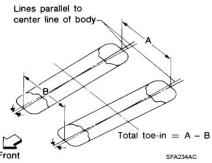
2016-2018 Versa Sedan

Rear Wheel Alignment Specifications

Wheel Alignment

INFOID:0000000014221902

Item		Standard
	Minimum	-1° 55′ (-1.92°)
Camber Degree minute (Decimal degree)	Nominal	-1° 25′ (-1.42°)
Dogree Himate (Doesna dogree)	Maximum	−0° 55′ (−0.92°)

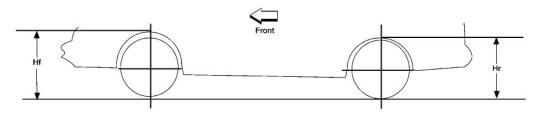


	Distance (A - B)	Minimum	Out 2 mm (Out 0.08 in)
		Nominal	In 2 mm (In 0.08 in)
Tatal to a lin		Maximum	In 6 mm (In 0.24 in)
Total toe-in	Angle (LH and RH) Degree minute (Decimal degree)	Minimum	Out 0° 15′ (Out 0.25°)
		Nominal	In 0° 10′ (In 0.17°)
		Maximum	In 0° 35′ (In 0.58°)

Wheelarch Height

INFOID:0000000014221903

Unit: mm (in)



LEIA0085E

Market	United States	Canada
Front (Hf)	688 (27.09)	688 (27.09)
Rear (Hr)	665 (26.18)	666 (26.22)

Measure value under unladen* conditions.

Measure value under unladen^{*} conditions.
*: 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.