#### **Technical Bulletin**



# SERVICE BULLETIN

#### REVISED WHEEL ALIGNMENT SPECIFICATIONS

**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

2016-2017 Versa Note (E12) 2016-2017 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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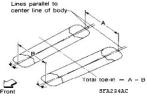
#### 2016-2017 Altima

### Front Wheel Alignment Specifications

# Wheel Alignment (Unladen\*1)

INFOID:0000000014604968

Market		United	States	Car	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°)	
(Boomar dogroo)	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′ 12	2" (4.02°)
Degree minute	Nominal	4° 55′ 12″ (4.92°)	5° 00′ 00″ (5.00°)	4° 55′ 12	2" (4.92°)
(Decimal degree)	Maximum	5° 49′ 12″ (5.82°)	5° 54′ 00″ (5.90°)	5° 49′ 12	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°)
	RH) Degree minute	Nominal	In 0° 04′ 12″ (In 0.07°)
	(Decimal degree)	Maximum	In 0° 16′ 12″ (In 0.27°)

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

<sup>\*2:</sup> For the caster angle, the difference between right and left against the ground surface shall be  $\pm$  0° 30′ ( $\pm$  0.50°) maximum.

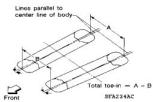
### 2016-2017 Altima

## 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°)



		Minimum	Out 2.6 mm (Out 0.102 in)
Distance (A - B)	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 (Decimal degree)	Nominal	In 0° 07′ 12″ (In 0.12°)	
	Maximum	In 0° 25′ 12″ (In 0.42°)	

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

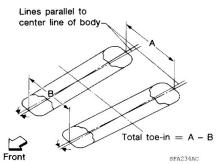
#### 2016-2017 Frontier

#### 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)
Total toe-III			Minimum	Out 0° 03'	(Out 0.05°)
	Angle Degree minute	(Decimal degree)	Nominal	In 0° 09′	(In 0.15°)
		,	Maximum	In 0° 21′	(In 0.35°)
Wheel turning	angle (full turn)	Inside Degree minute (De	ecimal degree)	33° 28′ 12″– 35° 28′ 12″ * <sup>2</sup> (33.47° – 35.47°)	33° 37′ 48″ – 35° 37′ 48″ * <sup>4</sup> (33.63° – 35.63°)
vviieer turning	angle (rull tulli)	Outside Degree minute (De	ecimal degree)	29° 27′ 00″ – 31° 27′ 00″ * <sup>3</sup> (29.45° – 31.45°)	29° 49′ 12″ – 31° 49′ 12″ * <sup>5</sup> (29.82° – 31.82°)

<sup>\*1:</sup> Fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

<sup>\*2:</sup> Target value 35° 28′ 12″ (35.47°)

<sup>\*3:</sup> Target value 31° 27′ 00″ (31.45°)

<sup>\*4:</sup> Target value 35° 37′ 48″ (35.63°)

<sup>\*5:</sup> Target value 31° 49′ 12″ (31.82°)

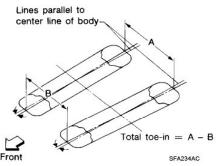
<sup>\*6:</sup> Some vehicles may be equipped with straight (non-adjustable) lower link bolts and washers. In order to adjust camber and caster on these vehicles, first replace the lower link bolts and washers with adjustable (cam) bolts and washers.

#### 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°)
TANK OF BE 1851 SEP	Minimum	11° 25′ 00″ (11.42°)
Kingpin inclination Degree minute (Decimal degree)	Nominal	12° 10′ 00″ (12.17°)
	Maximum	12° 55′ 00″ (12.92°)



		Minimum	Out 2 mm (Out 0.08 in)
	Distance (A - B)	Nominal	0 mm (0.00 in)
Total tag in		Maximum	In 2 mm (In 0.08 in)
Total toe-in	F 1 100 F-10	Minimum	Out 0 ° 12′ 00″ (Out 0.20°)
Angle (LH and RH)	Angle (LH and RH)  Degree minute (Decimal degree)	Nominal	0 ° 00′ 00″ (0.00°)
	Degree minute (Decimal degree)	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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<sup>\*1:</sup> A difference when assuming the LH a standard.

<sup>\*2:</sup> Fluids and lubricants are full. Tire repair kit and mats are in designated positions.

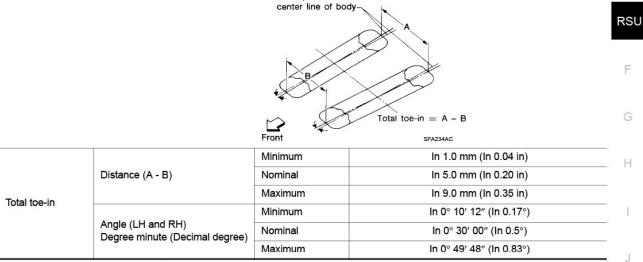
#### 2016-2017 LEAF

#### **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°)
regree minute (Decimal degree)	Mavimum	00 40/ 10	" / O 67º\

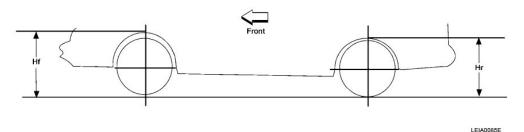
Lines parallel to



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)

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Measure value under unladen\* conditions.

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<sup>\*:</sup> Fluids and lubricants are full. Tire repair kit and mats are in designated positions.

<sup>\*:</sup>Fluids and lubricants are full. Tire repair kit and mats are in designated positions.

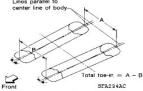
#### 2016-2017 Maxima

### 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'	00" (0.00°± 0.55°)	- FSU
	Minimum	3° 54' 00" (3.90°)	4° 00' 00" (4.00°)	- 150
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'	00" (0.00°± 0.50°)	
Kingpin inclination Degree minute (Decimal degree)		14° 24' 00" ± 0° 45'	00" (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)
Total toe-in  Angle (LH and RH) Degree minute		Maximum	In 3.8 mm (In 0.150 in)
	Angle (I H 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°)

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

#### **MEXICO**

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

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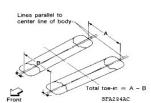
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### Front Wheel Alignment Specifications (continued)



		Front	JIA29TAL
		Minimum	Out 2.2 mm (Out 0.087 in)
	Distance (A - B)	Nominal	In 0.8 mm (In 0.031 in)
Total toe-in		Maximum	In 3.8 mm (In 0.150 in)
iotal toe-III	Angle (LH and RH)	Minimum	Out 0° 07′ 48" (Out 0.13°)
Degree minute (Decimal degree	Degree minute	Nominal	In 0° 04′ 12" (In 0.07°)
	(Decimal degree)	Maximum	In 0° 16′ 12" (In 0.27°)

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

Ball Joint

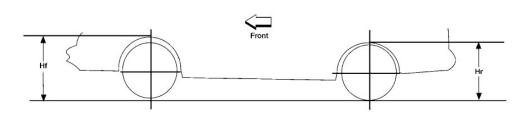
Item	Standard
Swinging torque	0.5 – 4.9 N·m (0.05 – 0.50 kg-m, 4 – 43 in-lb)
Rotating torque	0.5 – 4.9 N·m (0.05 – 0.50 kg-m, 4 – 43 in-lb)
Axial end play	0.1 mm (0.004 in)

# Wheelarch Height (Unladen\*1)

INFOID:0000000011935672

#### **UNITED STATES & CANADA**

Unit: mm (in)



		LEIAUUUSE
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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<sup>\*1:</sup> Fuel, engine coolant, and lubricants are full. Spare tire, jack, hand tools, and mats are in designated positions.

#### 2016-2017 Maxima

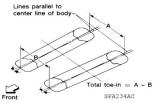
### Rear Wheel Alignment Specifications

# 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°)

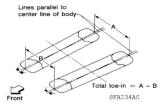


		Minimum	Out 1.4 mm (Out 0.055 in)	Out 1.0 mm (Out 0.039 in)	Out 1.4 mm (Out 0.055 in)	Out 1.0 mm (Out 0.039 in)
	Distance (A - B)	Nominal	In 2.6 mm (In 0.102 in)	In 3.0 mm (In 0.118 in)	In 2.6 mm (In 0.102 in)	In 3.0 mm (In 0.118 in)
Total toe-in		Maximum	In 6.6 mm (In 0.260 in)	In 7.0 mm (In 0.276 in)	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°)

<sup>\*:</sup> 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°)	
g · · · · · · · · · · · · · · · · ·	Maximum	0° 17′ 24" (0.29°)	



	Distance (A - B)	Minimum	Out 3.5 mm (Out 0.138 in)
		Nominal	In 0.5 mm (In 0.020 in)
Total toe-in		Maximum	In 4.5 mm (In 0.177 in)
An De	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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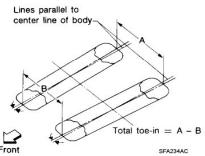
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Measurement wheel		(LH) side	(RH) side
	Minimum	-1° 04′ 30″ (-1.075°)	
Camber	Nominal	-0° 15′ 00″ (-0.25°)	
Degree minute (Decimal degree)	Maximum	0° 34′ 3	0" (0.575°)
	Difference (LH-RH)	0° 0′±0° 3	3′ (0°±0.55°)
	Minimum	3° 51′ 00″ (3.85°)	
Caster	Nominal	4° 45′ 00″ (4.75°)	
Degree minute (Decimal degree)	Maximum	Maximum 5° 39′ 00″ (5.65°)	
	(LH) and (RH) difference	0°30′ (0.5	0°) Maximum
Kingpin inclination Degree minute (Decimal degree)	Minimum	12° 00′ (12.00°)	12° 15′ (12.25°)
	Nominal	12° 45′ (12.75°)	13° 00′ (13.00°)
	Maximum	13° 30′ (13.50°)	13° 45′ (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°)

<sup>\*1</sup> 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		0.1 mm (0.004 in)

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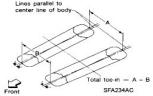
#### 2016-2017 Murano

### Rear Wheel Alignment Specifications

## Wheel Alignment (Unladen\*)

INFOID:0000000014640161

Item		Standard	
	Minimum	-1° 30′ 00″ (-1.50°)	
Camber Degree minute (Decimal degree)	Nominal	-0° 45′ 00″ (-0.75°)	
<del>_</del> · · · · · · · · · · · · · · · · ·	Maximum	0° 00′ 00″ (0.00°)	



		Minimum	Out 0.7 mm (Out 0.028 in)
	Distance (A - B)	Nominal	In 3.3 mm (In 0.130 in)
<del>-</del>		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°)

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

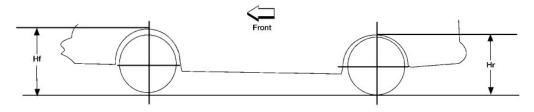
Ball Joint

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**



LEIA0085E

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)

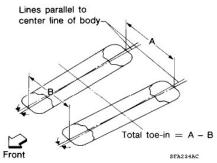
### 2016 Murano Hybrid

### 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° 34′ 30" (0.575°)	
	Difference (LH-RH)	$0^{\circ}~00'~00" \pm 00^{\circ}~33'00"~(0.0^{\circ} \pm 0.55^{\circ})$		
	Minimum	3° 51′ 00" (3.85°)		
Caster	Nominal	4° 45′ 00" (4.75°)		
Degree minute (Decimal degree)	Maximum	5° 39′ 00" (5.65°)		
	(LH) and (RH) difference	0° 30′ 00" (0.50°) Maximum		
20 S 107 NOT S	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°)

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<sup>\*1</sup> Fuel, engine coolant, and lubricants are full. Spare tire, jack, hand tools and mats are in designated positions.

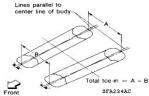
## 2016 Murano Hybrid

### Rear Wheel Alignment Specifications

## Wheel Alignment (Unladen\*)

INFOID:0000000012920207

Item		Standard
1000 I	Minimum	- 1° 30′ 00" (- 1.50°)
Camber Degree minute (Decimal degree)	Nominal	- 0° 45′ 00" (- 0.75°)
2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	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 1-		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°)

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

#### 2016-2017 NV200

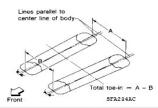
### Front Wheel Alignment Specifications

# 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°)



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

<sup>\*1:</sup> 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)

<sup>\*2:</sup> The difference when assuming the (LH) side is the standard.

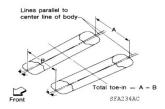
### 2016-2017 NV200

#### **Rear Wheel Alignment Specifications**

# Wheel Alignment (Unladen\*)

INFOID:0000000014438852

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

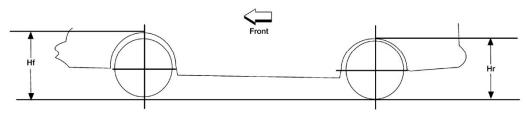


		Minimum	Out 2.0 mm (Out 0.079 in)
Distance (A - B)	Nominal	In 3.0 mm (In 0.118 in)	
Total toe-in	-in	Maximum	In 8.0 mm (In 0.315 in)
Total toe-In		Minimum	Out 0° 14' (Out 0.23°)
Angle (LH and RH)  Degree minute (Decimal degree)	Nominal	In 0° 16′ (In 0.27°)	
	Dog.co IIIIlato (Documal dog.co)	Maximum	In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

<sup>\*:</sup> 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)

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

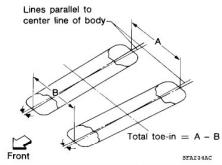
## 2016-2017 NV Cargo and Passenger Van

### 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)	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)
		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	num In 0° 10′ (0.17°)		
	Degree minute (Decimal degree)	Nominal	In 0° 26′ (0.44°)		
		Maximum	In 0° 43′ (0.71°)		
Wheel turning angle	Inside Degree minute (decimal degree)		35° 30′ – 39° 30′ * <sup>2</sup> (35.50° – 39.50°)	35° 30′ – 39° 30′ *2 (35.50° – 39.50°)	35° 30′ – 39° 30′ * <sup>2</sup> (35.50° – 39.50°)
(full turn)	Outside Degree minute (decimal de	egree)	35° 30′ (35.50°)	35° 30′ (35.50°)	35° 30′ (35.50°)

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<sup>\*1:</sup> Fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

<sup>\*2:</sup> Target value 38° 31′ (38.52°)

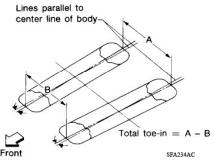
#### 2016-2017 Pathfinder

#### 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° 3	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°)
20g.00aid (20ciai dogioo)	Maximum	13° 25′ (13.42°)	13° 40′ (13.67°)



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

<sup>\*1:</sup> The (RH) camber angle shall be  $0^{\circ}$   $0' \pm 0^{\circ}$  33'  $(0^{\circ} \pm 0.55^{\circ})$  with respect to the (LH) camber angle.

#### 2016-2017 Pathfinder

## Rear Wheel Alignment Specifications

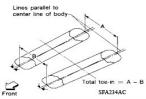
# Wheel Alignment (Unladen\*)

INFOID:0000000012552133	R

D

RSU

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°)



Total toe-in  Angle (LH and RH) Degree minute (Decimal degree)	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°)
	Maximum	In 0° 29′ (In 0.48°)

<sup>\*:</sup> 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)		

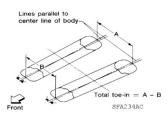
### 2016-2017 Rogue

### 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′ 0	0" (-1.45°)		-1	° 18′ 36" (–1.3	31°)
Camber	Nominal		-0° 37′ 1	2" (-0.62°)	-0	° 28′ 48" (–0.4	18°)	
Degree minute	Maximum		0° 12′ 3	6" (0.21°)	C	° 21′ 00" (0.35	5°)	
(1	(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			0.60°)				
Kingpin inclination Degree minute (Decimal degree)	Minimum		11° 06′ 0	0" (11.10°)	10° 54′ 36" (10 91°)		10° 49′ 48" (10.83°)	
	Nominal		11° 51′ 0	0" (11.85°)	11° 39′ 36" (11 66°)		11° 34′ 48" (11.58°)	
	Maximum		12° 36′ 00" (12.60°)				12° 24′ 36" (12.41°)	



		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°)

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

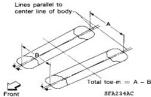
### 2016-2017 Rogue

### Rear Wheel Alignment Specifications

# Wheel Alignment (Unladen\*1)

INFOID:0000000012427666

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



Total toe-in  Angle Degre	Distance (A - B)	Minimum	In 0.2 mm (In 0.008 in)
		Nominal	In 4.2 mm (In 0.165 in)
		Maximum	In 8.2 mm (In 0.323 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°)

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

<sup>\*2:</sup> 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

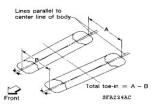
mal degree)

# 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)	Distance (A - B)	Nominal	In 1.5 mm (In 0.059 in)
To-		Maximum	In 4.0 mm (In 0.157 in)
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°)

<sup>\*1:</sup> 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 NTB17-040

INFOID:0000000014628136

12° 24′ 36″ (12.41°)

C

FSU

G

J

K

M

Ν

### 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°)

		Lines paralle center line of	Total toe-in = A - B		RSU
		Minimum	SFA234AC In 0.2 mm	(In 0.008 in)	G
	Distance (A - B)	Nominal	In 4.2 mm	(In 0.165 in)	_ 0
		Maximum	In 8.2 mm	(In 0.323 in)	_
Total toe-in	Angle (LH and	Minimum	In 0° 07′ 12″ (In 0.12°)	In 0° 01′ 48″ (In 0.03°)	— н
	RH)*2	Nominal	In 0° 25′ 12″ (In 0.42°)	In 0° 19′ 48″ (In 0.33°)	_
	Degree minute (Decimal degree)	Maximum	In 0° 43′ 12″ (In 0.72°)	In 0° 37′ 48″ (In 0.63°)	

<sup>\*1:</sup> 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

Ν

0

Р

INFOID:0000000014628164

Front

LEIA	00	85	E

Axle type	FV	VD	AV	VD
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)

23/29

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

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

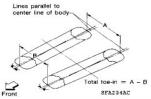
#### 2016-2017 TAXI

### Front Wheel Alignment Specifications

# Wheel Alignment (Unladen\*1)

INFOID:0000000015033485

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



Total toe-in  Angle (LH and RH) Degree minute (Decimal degree)		Minimum	Out 1.0 mm (Out 0.039 in)
	Nominal	In 1.0 mm (In 0.039 in)	
	Maximum	In 3.2 mm (In 0.125 in)	
	Angle (LH and RH)	Minimum	Out 0° 06'(Out 0.10°)
	Nominal	In 0° 06′ (In 0.10°)	
	(Decimal degree)	Maximum	In 0° 18′ (In 0.30°)

<sup>\*1:</sup> 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)

<sup>\*2:</sup> The difference when assuming the (LH) side is the standard.

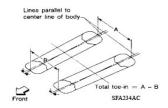
#### 2016-2017 TAXI

#### **Rear Wheel Alignment Specifications**

# Wheel Alignment (Unladen\*)

INFOID:0000000013039294

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



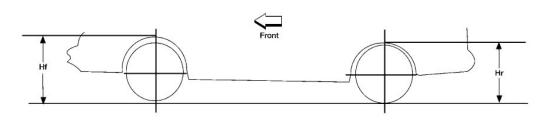
Total toe-in		Minimum	Out 2.0 mm (Out 0.08 in)
	Distance (A - B)	Nominal	In 3.0 mm (In 0.118 in)
		Maximum	In 8.0 mm (In 0.315 in)
	Angle (LH and RH) Degree minute (Decimal degree)	Minimum	Out 0° 14' (Out 0.23°)
		Nominal	In 0° 16′ (In 0.27°)
	Dog. seate (Doesn'al dogree)	Maximum	In 0° 46′ (In 0.77°)

<sup>\*:</sup> 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)

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

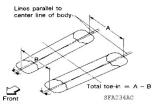
#### 2016-2017 Versa Note

#### 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°)
Degree minute (Decimal degree)	Maximum	12° 30′ (12.50°)



Total toe-in Ang	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°)

<sup>\*1:</sup> 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)	

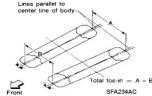
<sup>\*2:</sup> The difference when assuming the (LH) side is the standard.

#### 2016-2017 Versa Note

#### **Rear Wheel Alignment Specifications**

## Wheel Alignment (Unladen\*1)

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



	Front	SFA234AC	
Total toe-in		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°)
	Angle (LH and RH) <sup>*2</sup> Degree minute (Decimal degree)	Nominal	In 0° 10′ (In 0.17°)
	Degree minute (Decimal degree)	Maximum	In 0° 35′ (In 0.58°)

<sup>\*1:</sup> 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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C

D

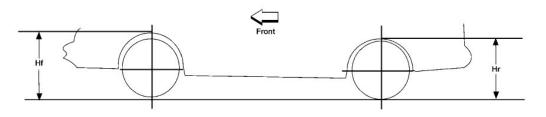
RSU

#### **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)	

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

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

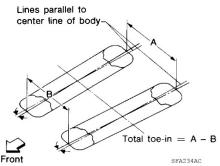
#### 2016-2017 Versa Sedan

### Front Wheel Alignment Specifications

# Wheel Alignment

INFOID:0000000014221883

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



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

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

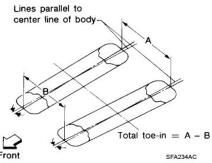
#### 2016-2017 Versa Sedan

#### **Rear Wheel Alignment Specifications**

## Wheel Alignment

INFOID:0000000014221902

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

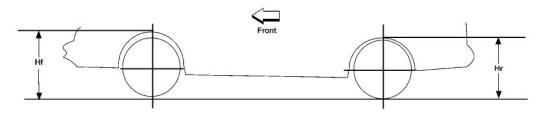


Total toe-in	Distance (A - B)	Minimum	Out 2 mm (Out 0.08 in)
		Nominal	In 2 mm (In 0.08 in)
		Maximum	In 6 mm (In 0.24 in)
	Angle (LH and RH) Degree minute (Decimal degree)	Minimum	Out 0° 15' (Out 0.25°)
		Nominal	In 0° 10′ (In 0.17°)
		Maximum	In 0° 35′ (In 0.58°)

#### 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<sup>\*</sup> conditions.
\*: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

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