



# SERVICE BULLETIN

<b>Classification:</b> FA16-002a	<b>Reference:</b> NTB16-115a	<b>Date:</b> April 20, 2018
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## REVISED WHEEL ALIGNMENT SPECIFICATIONS

**This bulletin has been amended. The APPLIED VEHICLES were updated with new models and model years. No other changes have been made. Discard all previous versions of this bulletin.**

- APPLIED VEHICLES:** 2016 – 2018 370Z Coupe (Z34)  
 2016 – 2018 370Z Roadster (Z34)  
 2016 – 2017 Juke (F15)  
 2016 – 2017 Quest (E52)  
 2017 – 2018 Rogue Sport (J11)

### SERVICE INFORMATION

For the Applied Vehicles listed above, some front wheel alignment specifications listed in the Electronic Service Manual (ESM), section - Front Suspension, are listed incorrectly.

- 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.
- Specification areas that have corrections are outlined with a Red box on the following pages.

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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.

# 2016 370Z Coupe and Roadster

## Front Wheel Alignment Specifications

### REGULAR GRADE

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-1° 25' (-1.41°)	
	Nominal	-0° 40' (-0.67°)	
	Maximum	0° 05' (0.08°)	
	Left and right difference	0° 33' (0.55°) or less	
Caster Degree minute (Decimal degree)	Minimum	4° 25' (4.42°)	
	Nominal	5° 10' (5.17°)	
	Maximum	5° 55' (5.91°)	
	Left and right difference	0° 39' (0.65°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 55' (6.92°)	
	Nominal	7° 40' (7.67°)	
	Maximum	8° 25' (8.41°)	
Toe-in	Total toe-in Distance	Minimum	0 mm (0.00 in)
		Nominal	In 2 mm (In 0.08 in)
		Maximum	In 4 mm (In 0.16 in)
	Toe angle (left wheel or right wheel) Degree minute (Decimal degree)	Minimum	0° 00' (0.00°)
		Nominal	In 0° 10' (In 0.17°)
		Maximum	In 0° 20' (In 0.33°)

Measure value under unladen\* conditions.

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

### NISMO

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-1° 30' (-1.50°)	
	Nominal	-0° 45' (-0.75°)	
	Maximum	0° 00' (0.00°)	
	Left and right difference	0° 33' (0.55°) or less	
Caster Degree minute (Decimal degree)	Minimum	4° 30' (4.50°)	
	Nominal	5° 15' (5.25°)	
	Maximum	6° 00' (6.00°)	
	Left and right difference	0° 39' (0.65°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	7° 00' (7.00°)	
	Nominal	7° 45' (7.75°)	
	Maximum	8° 30' (8.50°)	
Toe-in	Total toe-in Distance	Minimum	0 mm (0.00 in)
		Nominal	In 2 mm (In 0.08 in)
		Maximum	In 4 mm (In 0.16 in)
	Toe angle (left wheel or right wheel) Degree minute (Decimal Degree)	Minimum	0° 00' (0.00°)
		Nominal	In 0° 10' (In 0.17°)
		Maximum	In 0° 20' (In 0.33°)

Measure value under unladen\* conditions.

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

## 2017 - 2018 370Z Coupe and Roadster

### Front Wheel Alignment Specifications

#### REGULAR GRADE

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-1° 25' (-1.41°)	
	Nominal	-0° 40' (-0.67°)	
	Maximum	0° 05' (0.08°)	
	Left and right difference	0° 33' (0.55°) or less	
Caster Degree minute (Decimal degree)	Minimum	4° 25' (4.42°)	
	Nominal	5° 10' (5.17°)	
	Maximum	5° 55' (5.91°)	
	Left and right difference	0° 39' (0.65°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 55' (6.92°)	
	Nominal	7° 40' (7.67°)	
	Maximum	8° 25' (8.41°)	
Toe-in	Total toe-in Distance	Minimum	-0.5mm
		Nominal	2.0mm
		Maximum	4.5mm
	Total toe-angle Degree minute (Decimal degree)	Minimum	Out 0°03'(Out 0.04°)
		Nominal	In 0°10'(In 0.17°)
		Maximum	In 0°23'(In 0.37°)

Measure value under unladen\* conditions.

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

# 2017 - 2018 370Z NISMO

## Front Wheel Alignment Specifications

### NISMO

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-1° 30' (-1.50°)	
	Nominal	-0° 45' (-0.75°)	
	Maximum	0° 00' (0.00°)	
	Left and right difference	0° 33' (0.55°) or less	
Caster Degree minute (Decimal degree)	Minimum	4° 30' (4.50°)	
	Nominal	5° 15' (5.25°)	
	Maximum	6° 00' (6.00°)	
	Left and right difference	0° 30' (0.65°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	7° 00' (7.00°)	
	Nominal	7° 45' (7.75°)	
	Maximum	8° 30' (8.50°)	
Toe-in	Total toe-in Distance	Minimum	-0.5mm
		Nominal	2.0mm
		Maximum	4.5mm
	Total toe-angle Degree minute (Decimal degree)	Minimum	Out 0°03'(Out 0.04°)
		Nominal	In 0°10'(In 0.17°)
		Maximum	In 0°23'(In 0.37°)

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

## 2016 Juke (Includes NISMO Models)

### Front Wheel Alignment Specifications

Item		Standard		
		2WD	AWD	
Axle type				
Camber Degree minute (Decimal degree)	Minimum	-1° 10' (-1.16°)		
	Nominal	-0° 25' (-0.42°)		
	Maximum	0° 20' (0.33°)		
	Left and right difference* <sup>1</sup>	-0° 45' (-0.75°) - 0° 45' (0.75°)		
Caster Degree minute (Decimal degree)	Minimum	3° 45' (3.75°)	3° 50' (3.84°)	
	Nominal	4° 30' (4.50°)	4° 35' (4.58°)	
	Maximum	5° 15' (5.25°)	5° 20' (5.33°)	
	Left and right difference* <sup>1</sup>	-0° 45' (-0.75°) - 0° 45' (0.75°)		
Kingpin inclination Degree minute (Decimal degree)	Minimum	10° 40' (10.67°)		
	Nominal	11° 25' (11.42°)		
	Maximum	12° 10' (12.16°)		
Toe-in	Total toe-in Distance	Minimum	Out 0.4 mm (Out 0.02 in)	
		Nominal	In 1.9 mm (In 0.07 in)	
		Maximum	In 4.2 mm (In 0.17 in)	
	Total toe-angle Degree minute (Decimal degree)	Minimum	Out 0° 02' (Out 0.03°)	
		Nominal	In 0° 10' (In 0.17°)	
		Maximum	In 0° 22' (In 0.36°)	

Measure value under unladen\*<sup>2</sup> conditions.

\*1: A difference when assuming the left side a standard.

\*2: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

## 2017 Juke (Includes NISMO Models)

### Front Wheel Alignment Specifications

Item		Standard		
		2WD	AWD	
Axle type	Minimum	-1° 10' (-1.16°)		
	Nominal	-0° 25' (-0.42°)		
	Maximum	0° 20' (0.33°)		
	Left and right difference*1	-0° 45' (-0.75°) - 0° 45' (0.75°)		
Camber Degree minute (Decimal degree)	Minimum	3° 45' (3.75°)	3° 50' (3.84°)	
	Nominal	4° 30' (4.50°)	4° 35' (4.58°)	
	Maximum	5° 15' (5.25°)	5° 20' (5.33°)	
	Left and right difference*1	-0° 45' (-0.75°) - 0° 45' (0.75°)		
Caster Degree minute (Decimal degree)	Minimum	10° 40' (10.67°)		
	Nominal	11° 25' (11.42°)		
	Maximum	12° 10' (12.16°)		
Kingpin inclination Degree minute (Decimal degree)	Minimum	10° 40' (10.67°)		
	Nominal	11° 25' (11.42°)		
	Maximum	12° 10' (12.16°)		
Toe-in	Total toe-in Distance	Minimum	-0.6mm	
		Nominal	1.9mm	
		Maximum	4.4mm	
	Total toe-angle Degree minute (Decimal degree)	Minimum	Out 0°03'(Out 0.05°)	
		Nominal	In 0°10'(In 0.17°)	
		Max	In 0°23'(In 0.38°)	

Measure value under unladen\*2 conditions.

\*1: A difference when assuming the left side a standard.

\*2: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

## 2016 Quest

### Front Wheel Alignment Specifications

Item		Standard		
		Left side	Right side	
Camber Degree minute (Decimal degree)	Minimum	-1° 00' (-1.00°)	-1° 15' (-1.25°)	
	Nominal	-0° 15' (-0.25°)	-0° 30' (-0.50°)	
	Maximum	0° 30' (0.50°)	0° 15' (0.25°)	
	Left and right difference*1	-0° 18' (-0.30°) - 0° 48' (0.80°)		
Caster Degree minute (Decimal degree)	Minimum	3° 55' (3.92°)	4° 05' (4.09°)	
	Nominal	4° 40' (4.67°)	4° 50' (4.83°)	
	Maximum	5° 25' (5.41°)	5° 35' (5.58°)	
	Left and right difference*1	-0° 18' (-0.30°) - 0° 48' (0.80°)		
Kingpin inclination Degree minute (Decimal degree)	Minimum	12° 00' (12.00°)		
	Nominal	12° 45' (12.75°)		
	Maximum	13° 30' (13.50°)		
Toe-in	Total toe-in Distance	Minimum	Out 1.4 mm (Out 0.055 in)	
		Nominal	In 0.6 mm (In 0.024 in)	
		Maximum	In 2.6 mm (In 0.102 in)	
	Total toe-angle Degree minute (Decimal degree)	Minimum	Out 0° 07' (Out 0.12°)	
		Nominal	In 0° 03' (In 0.05°)	
		Maximum	In 0° 13' (In 0.22°)	

Measure value under unladen\*2 conditions.

\*1: A difference when assuming the left side a standard.

\*2: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

## 2017 Quest

### Front Wheel Alignment Specifications

Item		Standard	
		Left side	Right side
Camber Degree minute (Decimal degree)	Minimum	-1° 00' (-1.00°)	-1° 15' (-1.25°)
	Nominal	-0° 15' (-0.25°)	-0° 30' (-0.50°)
	Maximum	0° 30' (0.50°)	0° 15' (0.25°)
	Left and right difference*1	-0° 18' (-0.30°) - 0° 48' (0.80°)	
Caster Degree minute (Decimal degree)	Minimum	3° 55' (3.92°)	4° 05' (4.09°)
	Nominal	4° 40' (4.67°)	4° 50' (4.83°)
	Maximum	5° 25' (5.41°)	5° 35' (5.58°)
	Left and right difference*1	-0° 18' (-0.30°) - 0° 48' (0.80°)	
Kingpin inclination Degree minute (Decimal degree)	Minimum	12° 00' (12.00°)	
	Nominal	12° 45' (12.75°)	
	Maximum	13° 30' (13.50°)	

Toe-in	Total toe-in Distance	Minimum	-1.9mm	
		Nominal	0.6mm	
		Maximum	3.1mm	
	Total toe-angle Degree minute (Decimal degree)	Minimum	OUT 0°09' (OUT 0.15°)	
		Nominal	In 0°03' (In 0.05°)	
		Maximum	In 0°15' (In 0.25°)	

\*1: A difference when assuming the left side a standard.

\*2: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.



## 2017 – 2018 Rogue Sport

### Front Wheel Alignment Specifications

## Wheel Alignment

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-1° 15' (-1.25°)	
	Nominal	-0° 30' (-0.50°)	
	Maximum	0° 15' (0.25°)	
	Left and right difference* <sup>1</sup>	-0° 35' (-0.58°) - 0° 35' (0.58°)	
Caster Degree minute (Decimal degree)	Minimum	4° 50' (4.84°)	
	Nominal	5° 35' (5.58°)	
	Maximum	6° 20' (6.33°)	
	Left and right difference* <sup>1</sup>	-0° 35' (-0.58°) - 0° 35' (0.58°)	
Kingpin inclination Degree minute (Decimal degree)	Minimum	10° 50' (10.84°)	
	Nominal	11° 35' (11.58°)	
	Maximum	12° 20' (12.33°)	
Toe-in	Total toe-in Distance	Minimum	-0.9mm
		Nominal	1.6mm
		Maximum	4.1mm
	Total toe-angle Degree minute (Decimal degree)	Minimum	Out 0°05'(Out 0.08°)
		Nominal	In 0°08'(In 0.13°)
		Maximum	In 0°20'(In 0.34°)

Measure value under unladen\*<sup>2</sup> conditions.

\*1: A difference when assuming the left side a standard.

\*2: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

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