

**Classification:**

FA16-003a

**Reference:**

ITB16-046a

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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 previous versions of this bulletin.

**APPLIED VEHICLES:** 2017 – 2018 QX30 (H15)  
2017 – 2018 Q60 (V37)  
2016 – 2018 Q50 (V37)  
2016 – 2018 Q50 Hybrid (V37)  
2016 – 2018 Q70 (Y51)  
2016 – 2018 Q70 Hybrid (Y51)  
2016 – 2017 QX50 (J50)  
2016 – 2017 QX80 (Z62)

### SERVICE INFORMATION

For the Applied Vehicles listed above, some front and rear wheel alignment specifications listed in the Electronic Service Manual (ESM), sections - Front Suspension and Rear Suspension, were 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.

Infiniti 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 Infiniti retailer to determine if this applies to your vehicle.

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## 2017 – 2018 QX30 2WD 2.0L Turbo

### Front Wheel Alignment Specifications

Item		Standard	
		Base Leather Premium Base + Leather	Sport S Premium S
Camber Degree minute (Decimal degree)	Minimum	-1° 35' (-1.58°)	-1° 45' (-1.75°)
	Nominal	-0° 50' (-0.83°)	-1° 00' (-1.00°)
	Maximum	-0° 05' (-0.09°)	-0° 15' (-0.25°)
	Left and right difference*1	-0° 30' (-0.50°) - 0° 30' (0.50°)	
Caster Degree minute (Decimal degree)	Minimum	5° 30' (5.50°)	5° 50' (5.84°)
	Nominal	6° 15' (6.25°)	6° 35' (6.58°)
	Maximum	7° 00' (7.00°)	7° 20' (7.33°)
	Left and right difference*1	-0° 30' (-0.50°) - 0° 30' (0.50°)	
Kingpin inclination Degree minute (Decimal degree)	Minimum	9° 45' (9.75°)	9° 55' (9.92°)
	Nominal	10° 30' (10.50°)	10° 40' (10.67°)
	Maximum	11° 15' (11.25°)	11° 25' (11.41°)

Toe-in	Total toe-in Distance	Minimum	0.2mm	0.2mm
		Nominal	2.7mm	2.7mm
		Maximum	5.2mm	5.2mm
	Total toe angle Degree minute (Decimal Degree)	Minimum	In 0°01'12"(In 0.02°)	In 0°01'12"(In 0.02°)
		Nominal	In 0°13'48"(In 0.23°)	In 0°13'48"(In 0.23°)
		Maximum	In 0°26'24"(In 0.44°)	In 0°26'24"(In 0.44°)

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 – 2018 QX30 AWD 2.0L Turbo

Front Wheel Alignment Specifications

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° 30' (-0.50°) - 0° 30' (0.50°)
Caster Degree minute (Decimal degree)	Minimum	5° 10' (5.17°)
	Nominal	5° 55' (5.92°)
	Maximum	6° 40' (6.66°)
	Left and right difference* <sup>1</sup>	-0° 30' (-0.50°) - 0° 30' (0.50°)
Kingpin inclination Degree minute (Decimal degree)	Minimum	9° 25' (9.42°)
	Nominal	10° 10' (10.17°)
	Maximum	10° 55' (10.91°)

Toe-in	Total toe-in Distance	Minimum	0.2mm
		Nominal	2.7mm
		Maximum	5.2mm
	Total toe angle Degree minute (Decimal Degree)	Minimum	In 0°01'12"(In 0.02°)
		Nominal	In 0°13'48"(In 0.23°)
		Maximum	In 0°26'24"(In 0.44°)

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 – 2018 QX30

Rear Wheel Alignment Specifications

Item		Standard		
		Base Leather Premium Base + Leather	Sport S Premium S	
Camber Degree minute (Decimal degree)	Minimum	-1° 15' (-1.25°)	-1° 45' (-1.75°)	
	Nominal	-0° 45' (-0.75°)	-1° 15' (-1.25°)	
	Maximum	-0° 15' (-0.25°)	-0° 45' (-0.75°)	
Toe-in	Total toe-in Distance	Minimum	Out 1.6 mm (Out 0.063 in)	Out 0.8 mm (Out 0.031 in)
		Nominal	In 0.4 mm (In 0.016 in)	In 1.2 mm (In 0.047 in)
	Maximum	In 2.4 mm (In 0.094 in)	In 3.2 mm (In 0.126 in)	
	Total toe-angle Degree minute (Decimal degree)	Minimum	Out 0° 06' 36" (Out 0.11°)	In 0° 02' 24" (In 0.04°)
		Nominal	In 0° 01' 48" (In 0.03°)	In 0° 06' 00" (In 0.10°)
	Maximum	In 0° 10' 12" (In 0.17°)	In 0° 14' 24" (In 0.24°)	

Measure value under unladen\* conditions.

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

Item		Standard		
		Base Leather Premium Base + Leather	Sport S Premium	
Camber Degree minute (Decimal degree)	Minimum	-1° 15' (-1.25°)	-1° 45' (-1.75°)	
	Nominal	-0° 45' (-0.75°)	-1° 15' (-1.25°)	
	Maximum	-0° 15' (-0.25°)	-0° 45' (-0.75°)	
Toe-in	Total toe-in Distance	Minimum	Out 1.7 mm (Out 0.067 in)	Out 0.8 mm (Out 0.031 in)
		Nominal	In 0.3 mm (In 0.012 in)	In 1.2 mm (In 0.047 in)
	Maximum	In 2.3 mm (In 0.091 in)	In 3.2 mm (In 0.126 in)	
	Total toe-angle Degree minute (Decimal degree)	Minimum	Out 0° 06' 36" (Out 0.11°)	In 0° 02' 24" (In 0.04°)
		Nominal	In 0° 01' 48" (In 0.03°)	In 0° 06' 00" (In 0.10°)
	Maximum	In 0° 10' 12" (In 0.17°)	In 0° 14' 24" (In 0.24°)	

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 QX30

Rear Wheel Alignment Specifications

<b>AWD</b>			
<b>AWD 2.0L Turbo Engine - EXCEPT Canada</b>			
		<b>Standard</b>	
Camber Degree minute (Decimal degree)		Minimum	-1° 20' (-1.33°)
		Nominal	-0° 50' (-0.83°)
		Maximum	-0° 20' (-0.34°)
Toe-in	Total toe-in Distance	Minimum	Out 1.5 mm (Out 0.059 in)
		Nominal	In 0.5 mm (In 0.020 in)
		Maximum	In 2.5 mm (In 0.098 in)
	Total toe-angle Degree minute (Decimal degree)	Minimum	Out 0° 06' 00" (Out 0.10°)
		Nominal	In 0° 02' 24" (In 0.04°)
		Maximum	In 0° 10' 48" (In 0.18°)
Measure value under unladen* conditions.			
*: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.			
<b>AWD 2.0L Turbo Engine - Canada</b>			
		<b>Standard</b>	
		<b>Base</b>	<b>Premium</b>
Camber Degree minute (Decimal degree)		Minimum	-1° 15' (-1.25°)
		Nominal	-0° 45' (-0.75°)
		Maximum	-0° 15' (-0.25°)
Toe-in	Total toe-in Distance	Minimum	Out 1.6 mm (Out 0.063 in)
		Nominal	In 0.4 mm (In 0.016 in)
		Maximum	In 2.4 mm (In 0.094 in)
	Total toe-angle Degree minute (Decimal degree)	Minimum	Out 0° 06' 00" (Out 0.10°)
		Nominal	In 0° 02' 24" (In 0.04°)
		Maximum	In 0° 10' 48" (In 0.18°)

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 Q60 2WD Except VR30DDTT

Front Wheel Alignment Specifications

Item		Standard
Camber Degree minute (Decimal degree)	Minimum	-1° 20' (-1.33°)
	Nominal	-0° 35' (-0.58°)
	Maximum	0° 10' (0.16°)
	Left and right difference	0° 30' (0.50°) or less
Caster Degree minute (Decimal degree)	Minimum	3° 10' (3.17°)
	Nominal	4° 30' (4.50°)
	Maximum	5° 50' (5.83°)
	Left and right difference	0° 30' (0.50°) or less
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 45' (6.75°)
	Nominal	7° 30' (7.50°)
	Maximum	8° 15' (8.25°)

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 0.38°)

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

2017 - 2018 Q60 2WD VR30DDTT

Front Wheel Alignment Specifications

Item		Standard
Camber Degree minute (Decimal degree)	Minimum	-1° 10' (-1.16°)
	Nominal	-0° 25' (-0.42°)
	Maximum	0° 20' (0.33°)
	Left and right difference	0° 30' (0.50°) or less
Caster Degree minute (Decimal degree)	Minimum	3° 30' (3.50°)
	Nominal	4° 50' (4.83°)
	Maximum	6° 10' (6.16°)
	Left and right difference	0° 30' (0.50°) or less
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 40' (6.67°)
	Nominal	7° 25' (7.42°)
	Maximum	8° 10' (8.16°)

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 0.38°)

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 Q60 AWD 2.0L Turbo

Front Wheel Alignment Specifications

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-1° 20' (-1.33°)	
	Nominal	-0° 35' (-0.58°)	
	Maximum	0° 10' (0.16°)	
	Left and right difference	0° 30' (0.50°) or less	
Caster Degree minute (Decimal degree)	Minimum	3° 10' (3.17°)	
	Nominal	4° 30' (4.50°)	
	Maximum	5° 50' (5.83°)	
	Left and right difference	0° 30' (0.50°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 45' (6.75°)	
	Nominal	7° 30' (7.50°)	
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 0.38°)

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 Q60 VR30DDTT

Front Wheel Alignment Specifications

Item		Standard		
Camber Degree minute (Decimal degree)	Minimum	-1° 20' (-1.33°)		
	Nominal	-0° 35' (-0.58°)		
	Maximum	0° 10' (0.16°)		
	Left and right difference	0° 30' (0.50°) or less		
Caster Degree minute (Decimal degree)	Minimum	3° 05' (3.09°)		
	Nominal	4° 25' (4.42°)		
	Maximum	5° 45' (5.75°)		
	Left and right difference	0° 30' (0.50°) or less		
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 45' (6.75°)		
	Nominal	7° 30' (7.50°)		
	Maximum	8° 15' (8.25°)		
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 0.38°)	

Measure value under unladen\* conditions.

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

## 2016 – 2018 Q50 2WD VR30DDTT

### Front Wheel Alignment Specifications

#### EXCEPT FOR PREMIUM SPORT GRADE

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-1° 10' (-1.16°)	
	Nominal	-0° 25' (-0.42°)	
	Maximum	0° 20' (0.33°)	
	Left and right difference	0° 30' (0.50°) or less	
Caster Degree minute (Decimal degree)	Minimum	3° 15' (3.25°)	
	Nominal	4° 35' (4.58°)	
	Maximum	5° 55' (5.91°)	
	Left and right difference	0° 30' (0.50°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 40' (6.67°)	
	Nominal	7° 25' (7.42°)	
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 0.38°)

Measure value under unladen\* conditions.

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

2016 – 2018 Q50 2WD VR30DDTT

Front Wheel Alignment Specifications

FOR PREMIUM SPORT GRADE

Item		Standard		
Tire Size	Front	245/40RF19	245/40RF19	
	Rear		265/35RF19	
Camber Degree minute (Decimal degree)	Minimum	-1° 05' (-1.08°)		
	Nominal	-0° 20' (-0.33°)		
	Maximum	0° 25' (0.41°)		
	Left and right difference	0° 30' (0.50°) or less		
Caster Degree minute (Decimal degree)	Minimum	3° 20' (3.34°)	3° 25' (3.42°)	
	Nominal	4° 40' (4.67°)	4° 45' (4.75°)	
	Maximum	6° 00' (6.00°)	6° 05' (6.08°)	
	Left and right difference	0° 30' (0.50°) or less		
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 35' (6.59°)		
	Nominal	7° 20' (7.33°)		
	Maximum	8° 05' (8.08°)		
Tire Size	Front	245/40RF19	245/40RF19	
	Rear		265/35RF19	
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 0.38°)	

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 Q50 2WD (EXCEPT VR30DDTT)

Front Wheel Alignment Specifications

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-1° 20' (-1.33°)	
	Nominal	-0° 35' (-0.58°)	
	Maximum	0° 10' (0.16°)	
	Left and right difference	0° 30' (0.50°) or less	
Caster Degree minute (Decimal degree)	Minimum	3° 00' (3.00°)	
	Nominal	4° 20' (4.33°)	
	Maximum	5° 40' (5.66°)	
	Left and right difference	0° 30' (0.50°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 45' (6.75°)	
	Nominal	7° 30' (7.50°)	
	Maximum	8° 15' (8.25°)	
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 0.38°)

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 Q50 AWD 2.0L Turbo

Front Wheel Alignment Specifications

Item		Standard
Camber Degree minute (Decimal degree)	Minimum	-1° 20' (-1.33°)
	Nominal	-0° 35' (-0.58°)
	Maximum	0° 10' (0.16°)
	Left and right difference	0° 30' (0.50°) or less
Caster Degree minute (Decimal degree)	Minimum	3° 00' (3.00°)
	Nominal	4° 20' (4.33°)
	Maximum	5° 40' (5.66°)
	Left and right difference	0° 30' (0.50°) or less
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 45' (6.75°)
	Nominal	7° 30' (7.50°)
	Maximum	8° 15' (8.25°)

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 0.38°)

Measure value under unladen\* conditions.

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

Front Wheel Alignment Specifications

Item		Standard
Camber Degree minute (Decimal degree)	Minimum	-1° 20' (-1.33°)
	Nominal	-0° 35' (-0.58°)
	Maximum	0° 10' (0.16°)
	Left and right difference	0° 30' (0.50°) or less
Caster Degree minute (Decimal degree)	Minimum	2° 55' (2.92°)
	Nominal	4° 15' (4.25°)
	Maximum	5° 35' (5.58°)
	Left and right difference	0° 30' (0.50°) or less
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 45' (6.75°)
	Nominal	7° 30' (7.50°)
	Maximum	8° 15' (8.25°)

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 0.38°)

Measure value under unladen\* conditions.

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

## 2016 – 2018 Q50 Hybrid 2WD

### Front Wheel Alignment Specifications

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-1° 05' (-1.08°)	
	Nominal	-0° 20' (-0.33°)	
	Maximum	0° 25' (0.41°)	
	Left and right difference	0° 33' (0.55°) or less	
Caster Degree minute (Decimal degree)	Minimum	3° 20' (3.34°)	
	Nominal	4° 40' (4.62°)	
	Maximum	6° 00' (6.00°)	
	Left and right difference	0° 39' (0.65°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 35' (6.59°)	
	Nominal	7° 20' (7.33°)	
	Maximum	8° 05' (8.08°)	
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 0.38°)

Measure value under unladen\* conditions.

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



## 2016 – 2018 Q50 Hybrid AWD

### Front Wheel Alignment Specifications

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	0° 33' (0.55°) or less	
Caster Degree minute (Decimal degree)	Minimum	3° 00' (3.00°)	
	Nominal	4° 20' (4.33°)	
	Maximum	5° 40' (5.66°)	
	Left and right difference	0° 30' (0.50°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 45' (6.75°)	
	Nominal	7° 30' (7.50°)	
	Maximum	8° 15' (8.25°)	
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 0.38°)

Measure value under unladen\* conditions.

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

## 2016 - 2018 Q70 Hybrid

### Front Wheel Alignment Specifications

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-0° 55' (-0.91°)	
	Nominal	-0° 10' (-0.17°)	
	Maximum	0° 35' (0.58°)	
	Left and right difference	0° 33' (0.55°) or less	
Caster Degree minute (Decimal degree)	Minimum	3° 10' (3.17°)	
	Nominal	4° 30' (4.50°)	
	Maximum	5° 50' (5.83°)	
	Left and right difference	0° 39' (0.65°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 25' (6.42°)	
	Nominal	7° 10' (7.17°)	
	Maximum	7° 55' (7.91°)	
Toe-in	Total toe-in Distance	Minimum	-1.0mm
		Nominal	1.5mm
		Maximum	4.0mm
	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 0.33°)

Measure value under unladen\* conditions.

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

2016 - 2017 Q70

Front Wheel Alignment Specifications

2WD

Item		Standard		
		Except Sport* <sup>2</sup>		Sport* <sup>2</sup>
Grade				
Wheel size		18 inch	20 inch	20 inch
Camber Degree minute (Decimal degree)	Minimum	-0° 55' (-0.91°)		-1° 00' (-1.00°)
	Nominal	-0° 10' (-0.17°)		-0° 15' (-0.25°)
	Maximum	0° 35' (0.58°)		0° 30' (0.50°)
	Left and right difference	0° 33' (0.55°) or less		
Caster Degree minute (Decimal degree)	Minimum	3° 10' (3.17°)		
	Nominal	4° 30' (4.50°)		
	Maximum	5° 50' (5.83°)		
	Left and right difference	0° 39' (0.65°) or less		
Kingspin inclination Degree minute (Decimal degree)	Minimum	6° 25' (6.42°)		6° 30' (6.50°)
	Nominal	7° 10' (7.17°)		7° 15' (7.25°)
	Maximum	7° 55' (7.91°)		8° 00' (8.00°)

Toe-in	Total toe-in Distance	Minimum	-1.0mm
		Nominal	1.5mm
		Maximum	4.0mm
	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 0.33°)

Measure value under unladen\* conditions.

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

2016 - 2017 Q70

Front Wheel Alignment Specifications

AWD

Item		Standard
Camber Degree minute (Decimal degree)	Minimum	-0° 50' (-0.83°)
	Nominal	-0° 05' (-0.08°)
	Maximum	0° 40' (0.66°)
	Left and right difference	0° 33' (0.55°) or less
Caster Degree minute (Decimal degree)	Minimum	2° 40' (2.67°)
	Nominal	4° 00' (4.00°)
	Maximum	5° 20' (5.33°)
	Left and right difference	0° 39' (0.65°) or less
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 20' (6.34°)
	Nominal	7° 05' (7.08°)
	Maximum	7° 50' (7.83°)

Toe-in	Total toe-in Distance	Minimum	-1.0mm
		Nominal	1.5mm
		Maximum	4.0mm
	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 0.33°)

Measure value under unladen\* conditions.

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

2018 Q70

Front Wheel Alignment Specifications

2WD

Item		Standard		
		Except Sport* <sup>2</sup>		Sport* <sup>2</sup>
Grade				
Wheel size		18 inch	20 inch	20 inch
Camber Degree minute (Decimal degree)	Minimum	-0° 55' (-0.91°)		-1° 00' (-1.00°)
	Nominal	-0° 10' (-0.17°)		-0° 15' (-0.25°)
	Maximum	0° 35' (0.58°)		0° 30' (0.50°)
	Left and right difference	0° 33' (0.55°) or less		
Caster Degree minute (Decimal degree)	Minimum	3° 10' (3.17°)		
	Nominal	4° 30' (4.50°)		
	Maximum	5° 50' (5.83°)		
	Left and right difference	0° 39' (0.65°) or less		
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 25' (6.42°)		6° 30' (6.50°)
	Nominal	7° 10' (7.17°)		7° 15' (7.25°)
	Maximum	7° 55' (7.91°)		8° 00' (8.00°)

Toe-in	Total toe-in Distance	Minimum	-1.0mm
		Nominal	1.5mm
		Maximum	4.0mm
	Total toe angle Degree minute (Decimal Degree)	Minimum	Out 0°05'(Out 0.08°)
		Nominal	In 0°07'(In 0.12°)
		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.

2018 Q70

Front Wheel Alignment Specifications

AWD

Item		Standard
Camber Degree minute (Decimal degree)	Minimum	-0° 50' (-0.83°)
	Nominal	-0° 05' (-0.08°)
	Maximum	0° 40' (0.66°)
	Left and right difference	0° 33' (0.55°) or less
Caster Degree minute (Decimal degree)	Minimum	2° 40' (2.67°)
	Nominal	4° 00' (4.00°)
	Maximum	5° 20' (5.33°)
	Left and right difference	0° 39' (0.65°) or less
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 20' (6.34°)
	Nominal	7° 05' (7.08°)
	Maximum	7° 50' (7.83°)

Toe-in	Total toe-in Distance	Minimum	-1.0mm
		Nominal	1.5mm
		Maximum	4.0mm
	Total toe angle Degree minute (Decimal Degree)	Minimum	Out 0°05'(Out 0.08°)
		Nominal	In 0°07'(In 0.12°)
		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.

## 2016 - 2017 QX50

### Front Wheel Alignment Specifications

#### AWD

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-0° 40' (-0.66°)	
	Nominal	0° 05' (0.08°)	
	Maximum	0° 50' (0.83°)	
	Left and right difference	0° 33' (0.55°) or less	
Caster Degree minute (Decimal degree)	Minimum	2° 55' (2.92°)	
	Nominal	3° 40' (3.67°)	
	Maximum	4° 25' (4.41°)	
	Left and right difference	0° 39' (0.65°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	6° 10' (6.17°)	
	Nominal	6° 55' (6.92°)	
	Maximum	7° 40' (7.66°)	
Toe-in	Total toe-in Distance	Minimum	-1.5mm
		Nominal	1.0mm
		Maximum	3.5mm
	Total toe angle Degree minute (Decimal Degree)	Minimum	Out 0°07'30"(Out 0.12°)
		Nominal	In 0°04'48"(In 0.08°)
		Maximum	In 0°17'00"(In 0.28°)

Measure value under unladen\* conditions.

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

2017 QX50

Front Wheel Alignment Specifications

2WD

Item		Standard	
Camber Degree minute (Decimal degree)	Minimum	-0° 10' (-0.16°)	
	Nominal	0° 35' (0.58°)	
	Maximum	1° 20' (1.33°)	
	Left and right difference	0° 33' (0.55°) or less	
Caster Degree minute (Decimal degree)	Minimum	3° 05' (3.09°)	
	Nominal	3° 50' (3.83°)	
	Maximum	4° 35' (4.58°)	
	Left and right difference	0° 39' (0.65°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	5° 40' (5.67°)	
	Nominal	6°25' (6.42°)	
	Maximum	7° 10' (7.16°)	
Toe-in	Total toe-in Distance	Minimum	-1.5mm
		Nominal	1.0mm
		Maximum	3.5mm
	Total toe angle Degree minute (Decimal Degree)	Minimum	Out 0°07'30"(Out 0.12°)
		Nominal	In 0°04'48"(In 0.08°)
		Maximum	In 0°17'00"(In 0.28°)

Measure value under unladen\* conditions.

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



## 2016 - 2017 QX80

### Front Wheel Alignment Specifications

Item		Standard	
Measurement wheel		Left side	Right side
Camber Degree minute (Decimal degree)	Minimum	-0°45' (-0.75°)	-0°55' (-0.91°)
	Nominal	0° 00' (0.00°)	-0°10' (-0.17°)
	Maximum	0° 45' (0.75°)	0° 35' (0.58°)
	Left and right difference	0° 33' (0.55°) or less	
Caster Degree minute (Decimal degree)	Minimum	2° 20' (2.34°)	2° 40' (2.67°)
	Nominal	3° 05' (3.08°)	3° 25' (3.42°)
	Maximum	3° 50' (3.83°)	4° 10' (4.16°)
	Left and right difference	0° 45' (0.75°) or less	
Kingpin inclination Degree minute (Decimal degree)	Minimum	—	—
	Nominal	13° 20' (13.33°) <sup>*1</sup>	13° 25' (13.42°) <sup>*1</sup>
	Maximum	—	—
Toe-in	Total toe-in Distance	Minimum	In 0.4 mm (In 0.016 in)
		Nominal	In 3.1 mm (In 0.122 in)
		Maximum	In 5.8 mm (In 0.228 in)
	Total toe-angle Degree minute (Decimal degree)	Minimum	In 0° 01' 48" (In 0.03°)
		Nominal	In 0° 12' 54" (In 0.22°)
		Maximum	In 0° 24' (In 0.40°)

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

\*1: The minimum value and maximum value is the same as the nominal value.

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