

**Classification:**  
ST120-002

**Reference:**  
ITB12-015

**Date:**  
March 29, 2012

## ALIGNMENT TOE SETTING TOLERANCE INCREASE

**APPLIED VEHICLE(S):** All 2011 - 2012 vehicles

### SERVICE INFORMATION

Infiniti has changed the Alignment toe specifications for the applied model years. Updated specifications are for Total Toe only, and individual wheel toe measurements have been deleted.

- If steering wheel is straight and/or vehicle does not drift (refer to TSB ITB08-046e) on a pre-alignment test drive, do not adjust individual wheel toe angles.
- If steering wheel is **not** straight and/or vehicle does drift on a pre-alignment test drive (refer to TSB ITB08-046e), repair and/or align vehicle.

**Always target nominal or best value to fix customer concern.**

### NOTE:

- Refer to the Electronic Service Manual (ESM) for model specific alignment procedures and all other alignment specifications.
- Charts apply to both 2011 and 2012 unless otherwise specified in the individual tables.

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 dealer to determine if this applies to your vehicle.

## ALIGNMENT TOE SPECIFICATIONS

### EX

Model		EX35 (J50) 2WD and AWD
<b>FRONT</b> Total toe-in Distance	Minimum	Out 1 mm (Out 0.03 in)
	Nominal	In 1 mm (In 0.04 in)
	Maximum	In 3 mm (In 0.11 in)
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(Out 0.08°) (Out 0°4'48" )
	Nominal	(In 0.08°) (In 0°4'48" )
	Maximum	(In 0.24°) (In 0°14'24" )
<b>REAR</b> Total toe-in Distance	Minimum	0 mm (0 in)
	Nominal	In 2.9 mm (In 0.12 in)
	Maximum	In 5.8 mm (In 0.23 in)
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(0°) (0° )
	Nominal	(In 0.24°) (In 0°14'24" )
	Maximum	(In 0.47°) (In 0°28'12" )

### FX

Model		FX35/FX50 (S51) 2WD and AWD	
<b>FRONT</b> Total toe-in Distance	Minimum	0 mm (0 in)	
	Nominal	In 2 mm (In 0.08 in)	
	Maximum	In 4 mm (In 0.15 in)	
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(0°) (0°)	
	Nominal	(In 0.15°) (In 0°9'0" )	
	Maximum	(In 0.30°) (In 0°18'0" )	
Wheel size		<b>265/60R18 or 265/50R20</b>	<b>265/45R21</b>
<b>REAR</b> Total toe-in Distance	Minimum	0 mm (0 in)	
	Nominal	In 3.2 mm (In 0.13 in)	In 3.1 mm (In 0.12 in)
	Maximum	In 6.4 mm (In 0.25 in)	In 6.2 mm (In 0.24 in)
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(0°) (0° )	(0°) (0° )
	Nominal	(In 0.24°) (In 0°14'24" )	(In 0.23°) (In 0°13'48" )
	Maximum	(In 0.47°) (In 0°28'12" )	(In 0.46°) (In 0°27'36" )

G25/G37

Model		G25/G37 Sedan (V36) 2WD/AWD	G37 Convertible (HV36)
<b>FRONT</b> Total toe-in Distance	Minimum	Out 1 mm (Out 0.03 in)	
	Nominal	In 1 mm (In 0.04 in)	
	Maximum	In 3 mm (In 0.11 in)	
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(Out 0.08°) (Out 0°4'48" )	
	Nominal	(In 0.08°) (In 0°4'48" )	
	Maximum	(In 0.25°) (In 0°15'0" )	
<b>REAR</b> Total toe-in Distance	Minimum	0 mm (0 in)	
	Nominal	In 2.8 mm (In 0.11 in)	
	Maximum	In 5.6 mm (In 0.22 in)	
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(0°) (0° )	
	Nominal	(In 0.24°) (In 0°14'24" )	
	Maximum	(In 0.47°) (In 0°28'12" )	

G37 Coupe

Model		G37 Coupe (CV36) 2WD and AWD	
<b>FRONT</b> Total toe-in Distance	Minimum	Out 1 mm (Out 0.03 in)	
	Nominal	In 1 mm (In 0.04 in)	
	Maximum	In 3 mm (In 0.11 in)	
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(Out 0.08°) (Out 0°4'48" )	
	Nominal	(In 0.08°) (In 0°4'48" )	
	Maximum	(In 0.25°) (In 0°15'0" )	
<b>REAR</b> Total toe-in Distance	Minimum	0 mm (0 in)	
	Nominal	In 2.8 mm (In 0.11 in)	
	Maximum	In 5.6 mm (In 0.220 in)	
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(0°) (0° )	
	Nominal	(In 0.23°) (In 0°13'48" )	
	Maximum	(In 0.47°) (In 0°28'12" )	

## M

Model		M35/M56 (Y51) 2WD and AWD	M Hybrid (HY51)
<b>FRONT</b> Total toe-in Distance	Minimum	Out 1 mm (Out 0.03 in)	
	Nominal	In 1 mm (In 0.04 in)	
	Maximum	In 3 mm (In 0.11 in)	
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(Out 0.08°) (Out 0°4'48" )	
	Nominal	(In 0.08°) (In 0°4'48" )	
	Maximum	(In 0.24°) (In 0°14'24" )	
<b>REAR</b> Total toe-in Distance	Minimum	0 mm (0 in)	
	Nominal	In 2.9 mm (In 0.114 in)	
	Maximum	In 5.8 mm (In 0.228 in)	
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(0°) (0° )	
	Nominal	(In 0.24°) (In 0°14'24" )	
	Maximum	(In 0.47°) (In 0°28'12" )	

## QX56

Model		QX56 (Z62) 2WD and AWD	
<b>FRONT</b> Total toe-in Distance	Minimum	In 0.4 mm (In 0.015 in)	
	Nominal	In 2.4 mm (In 0.094 in)	
	Maximum	In 4.4 mm (In 0.173 in)	
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(In 0.03°) (In 0°1'48" )	
	Nominal	(In 0.17°) (In 0°10'12" )	
	Maximum	(In 0.30°) (In 0°18'0" )	
<b>REAR</b> Total toe-in Distance	Minimum	0 mm (0 in)	
	Nominal	In 3.4 mm (In 0.134 in)	
	Maximum	In 6.8 mm (In 0.268 in)	
<b>Total Toe-angle</b> (Decimal Degree) (Degree minute)	Minimum	(0°) (0° )	
	Nominal	(In 0.23°) (In 0°13'48" )	
	Maximum	(In 0.47°) (In 0°28'12" )	