

## 02 - Front Suspension/Wheel Alignment/Specifications

**SPECIFICATIONS**

**NOTE:** All specifications are given in degrees.

**NOTE:** All wheel alignments are to be set at curb height. (Refer to 02 - Front Suspension/Wheel Alignment - Standard Procedure)

**ALL-WHEEL-DRIVE**

FRONT WHEEL ALIGNMENT	PREFERRED SETTING	ACCEPTABLE RANGE
CAMBER - LEFT	+0.15°	-0.50° to +0.80°
CAMBER - RIGHT	-0.25°	-0.90° to +0.04°
CROSS-CAMBER (Maximum side-to-side difference)	+0.40°	-0.10° to +1.15°
CASTER - LEFT	+4.50°	+3.50° to +5.50°
CASTER - RIGHT	+5.10°	+4.10° to +6.10°
CROSS-CASTER (Maximum side-to-side difference)	-0.60°	-1.20° to 0.00°
TOE - INDIVIDUAL	+0.05°	0.00° to +0.10°
TOE - TOTAL*	+0.10°	+0.05° to +0.15°
Maximum side-to-side difference	0.00°	0.06°
REAR WHEEL ALIGNMENT	PREFERRED SETTING	ACCEPTABLE RANGE
CAMBER	-0.55°	-1.20° to +0.10°
CROSS-CAMBER (Maximum side-to-side difference)	0.00°	-0.80° to +0.80°
TOE - INDIVIDUAL LEFT	+0.17°	+0.02° to +0.32°
TOE - INDIVIDUAL RIGHT	+0.03°	-0.12° to +0.18°
THRUST ANGLE	+0.07°	-0.08° to +0.22°
Notes:		
* TOTAL TOE is the sum of both left and right wheel toe settings. TOTAL TOE must be equally split between each wheel on the same axle to ensure the steering wheel is centered after setting toe. Positive toe is toe-in and negative toe is toe-out		

**REAR-WHEEL-DRIVE**

FRONT WHEEL ALIGNMENT	PREFERRED SETTING	ACCEPTABLE RANGE
CAMBER - LEFT	+0.15°	-0.50° to +0.80°

FRONT WHEEL ALIGNMENT	PREFERRED SETTING	ACCEPTABLE RANGE
CAMBER - RIGHT	-0.25°	-0.90° to +0.04°
CROSS-CAMBER (Maximum side-to-side difference)	+0.40°	-0.10° to +1.15°
CASTER - LEFT	+9.40°	+8.40° to +10.40°
CASTER - RIGHT	+10.40°	+9.40° to +11.40°
CROSS-CASTER (Maximum side-to-side difference)	-1.00°	-1.60° to -0.40°
TOE - INDIVIDUAL	+0.10°	0.05° to +0.15°
TOE - TOTAL*	+0.20°	0.10° to +0.30°
Maximum side-to-side difference	0.00°	0.06°
REAR WHEEL ALIGNMENT	PREFERRED SETTING	ACCEPTABLE RANGE
CAMBER	-0.55°	-1.20° to +0.10°
CROSS-CAMBER (Maximum side-to-side difference)	0.00°	-0.80° to +0.80°
TOE - INDIVIDUAL LEFT	+0.17°	+0.02° to +0.32°
TOE - INDIVIDUAL RIGHT	+0.03°	-0.12° to +0.18°
THRUST ANGLE	+0.07°	-0.08° to +0.22°
Notes:		
* TOTAL TOE is the sum of both left and right wheel toe settings. TOTAL TOE must be equally split between each wheel on the same axle to ensure the steering wheel is centered after setting toe. Positive toe is toe-in and negative toe is toe-out		

## RIGHT-HAND-DRIVE

FRONT WHEEL ALIGNMENT	PREFERRED SETTING	ACCEPTABLE RANGE
CAMBER - LEFT	-0.20°	-0.70° to +0.30°
CAMBER - RIGHT	0.10°	-0.40° to +0.60°
CROSS-CAMBER (Maximum side-to-side difference)	-0.30°	-1.00° to +0.30°
CASTER - LEFT	+10.30°	+9.30° to +11.30°
CASTER - RIGHT	+9.50°	+8.50° to +10.50°
CROSS-CASTER (Maximum side-to-side difference)	+0.80°	+0.20° to +1.40°
TOE - INDIVIDUAL	0.00°	-0.05° to +0.05°
TOE - TOTAL*	0.00°	-0.10° to +0.10°
Maximum side-to-side difference	0.00°	0.06°

FRONT WHEEL ALIGNMENT	PREFERRED SETTING	ACCEPTABLE RANGE
<b>REAR WHEEL ALIGNMENT</b>	<b>PREFERRED SETTING</b>	<b>ACCEPTABLE RANGE</b>
CAMBER	-0.75°	-1.25° to -0.05°
CROSS-CAMBER (Maximum side-to-side difference)	0.00°	-0.80° to +0.80°
TOE - INDIVIDUAL LEFT	+0.17°	+0.02° to +0.32°
TOE - INDIVIDUAL RIGHT	+0.03°	-0.12° to +0.18°
THRUST ANGLE	+0.07°	-0.08° to +0.22°
Notes:		
* TOTAL TOE is the sum of both left and right wheel toe settings. TOTAL TOE must be equally split between each wheel on the same axle to ensure the steering wheel is centered after setting toe. Positive toe is toe-in and negative toe is toe-out		

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FRONT WHEEL ALIGNMENT	PREFERRED SETTING	ACCEPTABLE RANGE
CAMBER - LEFT	-0.05°	-0.50° to +0.50°
CAMBER - RIGHT	-0.35°	-0.90° to +0.10°
CROSS-CAMBER (Maximum side-to-side difference)	+0.30°	-0.25° to +0.85°
CASTER - LEFT	+9.70°	+9.00° to +12.10°
CASTER - RIGHT	+10.30°	+9.50° to +12.10°
CROSS-CASTER (Maximum side-to-side difference)	-0.60°	-1.20° to 0.00°
TOE - INDIVIDUAL	+0.10°	0.05° to +0.15°
TOE - TOTAL*	+0.20°	0.00° to +0.40°
Maximum side-to-side difference	0.00°	0.06°
<b>REAR WHEEL ALIGNMENT</b>	<b>PREFERRED SETTING</b>	<b>ACCEPTABLE RANGE</b>
CAMBER	-0.75°	-1.25° to -0.15°
CROSS-CAMBER (Maximum side-to-side difference)	0.00°	-0.80° to +0.80°
TOE - INDIVIDUAL LEFT	+0.17°	+0.02° to +0.32°
TOE - INDIVIDUAL RIGHT	+0.03°	-0.12° to +0.18°
THRUST ANGLE	0.07°	-0.08° to +0.22°
Notes:		

FRONT WHEEL ALIGNMENT	PREFERRED SETTING	ACCEPTABLE RANGE
<p>* TOTAL TOE is the sum of both left and right wheel toe settings. TOTAL TOE must be equally split between each wheel on the same axle to ensure the steering wheel is centered after setting toe. Positive toe is toe-in and negative toe is toe-out</p>		