

	GROUP <b>Chassis</b>	MODEL <b>Optima (QF)</b>
	NUMBER <b>PS251</b>	DATE <b>July 2013</b>
 		
<b>SUBJECT: ALIGNMENT SPECIFICATIONS FOR OPTIMA</b>		

This article provides new alignment specifications for Optima (QF) vehicles due to a modification to the design of the front suspension. Please use the updated caster specifications in the lower tables when aligning a vehicle produced after 11/29/2011.

### Optima (QF) Alignment Specifications Before 11/29/2011

#### Front

Item	Left Front	Right Front
Camber Angle	$-0.5 \pm 0.5^{\circ}$	$-0.5 \pm 0.5^{\circ}$
<b>Caster Angle</b>	<b><math>4.44^{\circ} \pm 0.5^{\circ}</math>*</b>	<b><math>4.44^{\circ} \pm 0.5^{\circ}</math>*</b>
Toe Angle	$0.08 \pm 0.1^{\circ}$	$0.08 \pm 0.1^{\circ}$

\*Specification shown in standard format. Actual lower limit is  $3.64^{\circ}$ .

#### Rear

Item	Left Rear	Right Rear
Camber Angle	$-1.0^{\circ} \pm 0.5^{\circ}$	$-1.0^{\circ} \pm 0.5^{\circ}$
Toe Angle	$0.085^{\circ} \pm 0.1^{\circ}$	$0.085^{\circ} \pm 0.1^{\circ}$

### Optima (QF) Alignment Specifications After 11/29/2011

#### Front

Item	Left Front	Right Front
Camber Angle	$-0.5 \pm 0.5^{\circ}$	$-0.5 \pm 0.5^{\circ}$
<b>Caster Angle</b>	<b><math>3.99^{\circ} \pm 0.5^{\circ}</math></b>	<b><math>3.99^{\circ} \pm 0.5^{\circ}</math></b>
Toe Angle	$0.08 \pm 0.1^{\circ}$	$0.08 \pm 0.1^{\circ}$

#### Rear

Item	Left Rear	Right Rear
Camber Angle	$-1.0^{\circ} \pm 0.5^{\circ}$	$-1.0^{\circ} \pm 0.5^{\circ}$
Toe Angle	$0.085^{\circ} \pm 0.1^{\circ}$	$0.085^{\circ} \pm 0.1^{\circ}$