

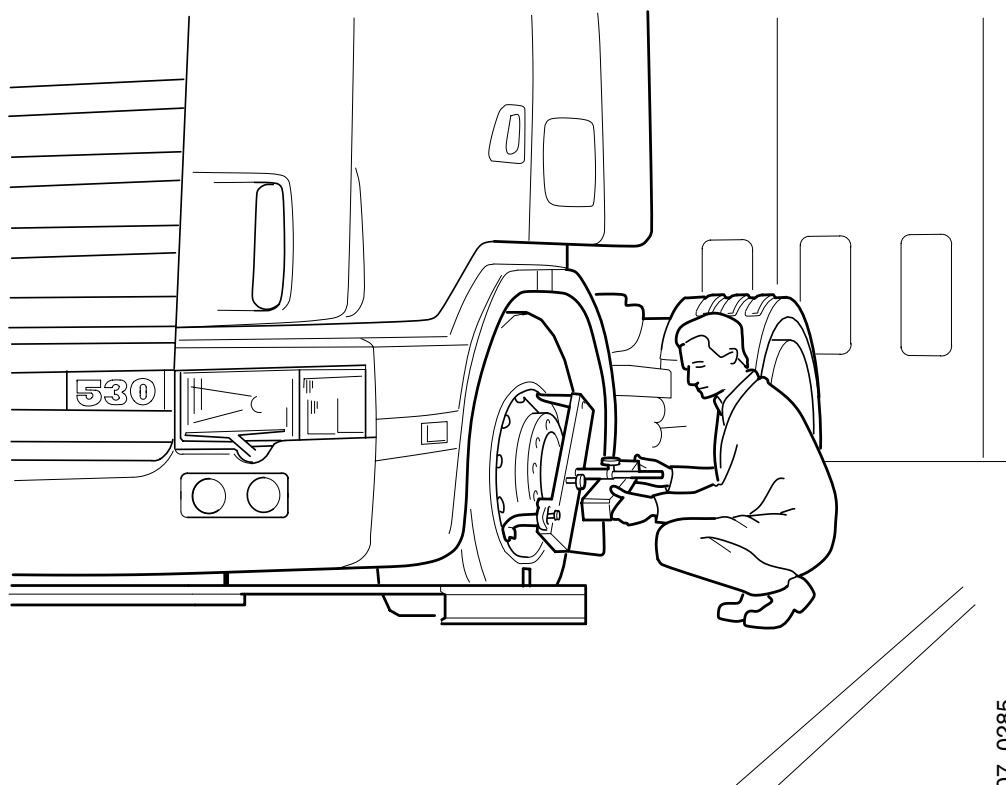
SCANIA

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Issue 3 en

AMA780

Adjusting wheel angles



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Wheel alignment

Setting toe-in

- 1 Measure all the wheel angles according to Workshop Manual main group 13, Adjusting wheel angles, function and work description. Check that camber and caster are within tolerances before checking and adjusting toe in.
- 2 Refer to the diagram and adjust toe-in.

Test values

Unloaded vehicle

	Min.	Nom	Max.
Camber	-0.1 degrees	0.3 degrees	0.7 degrees
Caster	1.0 degrees	2.25 degrees	3.5 degrees

Fully-laden vehicle

	Min.	Nom	Max.
Camber	-0.4 degrees	0.0 degrees	0.4 degrees
Caster	1.5 degrees	2.25 degrees	3.0 degrees

The difference in caster between right and left-hand sides must not exceed 0.5 degrees.

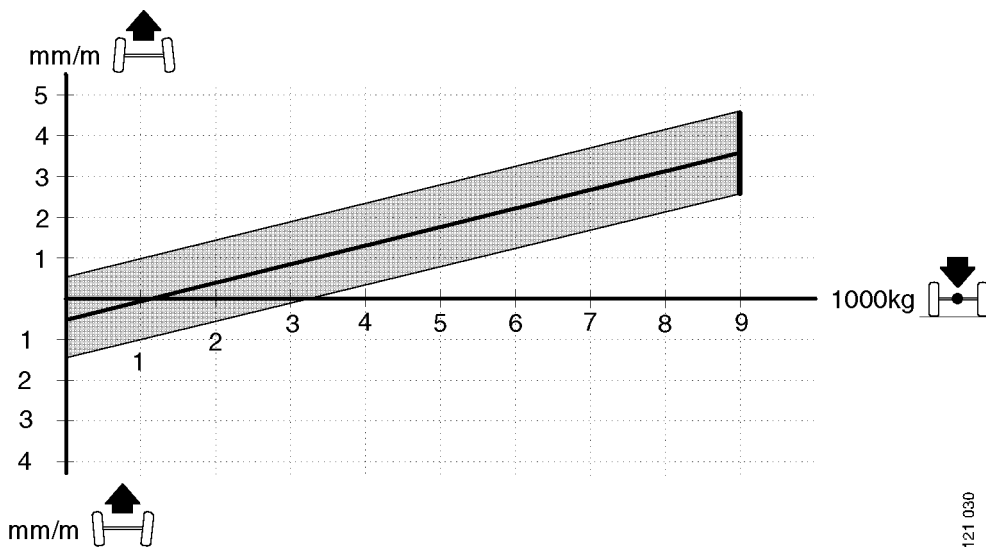
KPI=5.25 +/- 0.25 degrees.

The diagram shows how toe-in can vary with axle load on this axle. The diagram can be used to set toe-in irrespective of the normal load of the vehicle.

Permitted values are in the grey area.

Note: This axle moves towards toe-in when laden.

- 1 Estimate the load on the axle.
- 2 Look at the diagram to see which toe-in or toe-out applies for the estimated load. Adjust to the applicable value.



The diagram shows the toe-in or toe-out to be set depending on the load on the vehicle's axle.