

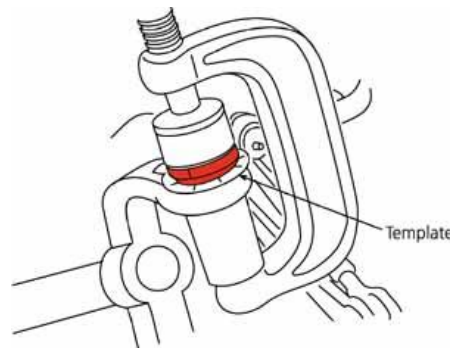


23852-23854

Heavy Duty Upper Pin Joint

Q1: Most of the Dodge and Jeep pin joints will adjust camber and caster. Why do the 23852 and 23854 offset pin joints only adjust camber?

A1: The caster angle is controlled by the position of the steering axis. In this case the upper pin joint and lower ball joint. Camber can be changed by tilting the wheel hub using the steering axis, or by other means such as shims. Similar style Dodge and Jeep offset pin joints feature the ball joint housing pressed into the axle housing. This allows the pin that controls the steering axis and therefore caster and camber to be positioned for both angles.



On the Dodge and Sterling 4500-5500 trucks, the ball joint housing is screwed into the knuckle, not the axle housing. This means the pin position does not change because it is fixed in the axle housing. Camber is affected because the knuckle can now be tilted outward or inward but caster will not change because the pivot pin position, and therefore steering axis, is not altered.

