

Over Articulation

Ball Joints wear over time. There are however certain actions that can lead to the premature wear and failure of component. These actions are as a result of incorrect installation, misuse or inadequate maintenance.

Ball joint ball studs pivot (articulate side to side) in their housing with the motion of the suspension. In some instances the ball joint might exhibit a 'knocking sound'. There are a few reasons why this might happen, but one of the main reasons is due to over articulation. When the ball stud is over articulated there is a potential for it to make significant contact with the housing, as the articulation angle is exceeded and the ball joint binds.

Over articulation is readily identifiable by damage to the ball joint housing and can result in the ball joint stud separating from the housing.

When you see this kind of failure it has been brought about by the incorrect selection or over articulation (possibly through misuse) of the component, and is not a manufacturing fault.



Clear evidence of over articulation where the ball stud has made contact with the ball housing.

Manufacturers Names used for reference purposes only.