The spare parts experts of
Volkswagen BMW Mercedes-Benz

vika®

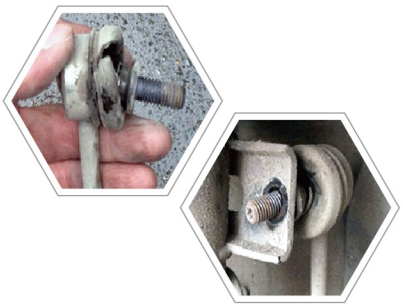


The Best Connection
— Superior to OE GOLDEN COUPLING ROD

A Redesigned Proprietary Product To Eliminate The Potential Defects of The Existing Products.

After a long time analysis of the market information , the customer feedback data and the OE parts recall statistics, vika DPA product engineers locate the OE parts which easy to happen quality accidents, research on them, find out the design and quality defect of the original parts and through the advanced technology of the world and more strict test, the more reliable and excellent product with a longer life is producded. We call it "Superior to OE".

The spare parts experts of
Volkswagen BMW Mercedes-Benz



Failure Phenomena Of The Existing Balanced Coupling Rod >>>

Failure: Abnormal sound may easily occur after driving for 50 thousand kilometers.

Failure cause analysis:

The dust-proof boot is liable to aging due to unreasonable mechanical design

The small swing angle of the ball pin inside the ball head tends to accelerate wear on bumpy roads, leading to an excessive wear gap.

Improvement Of Technology >>>

01 **Boot:**
improve from signal layer to double layer, reduced the wear and tear of the dust jacket

02 **Ball:**
enlarge the diameter from OE ϕ20mm to vika ϕ22mm, increased the stressed area

03 **Connecting rod:**
enlarge the diameter from OE ϕ10mm to vika ϕ11mm, increased the tensile strength

04 **Ball pin:**
enlarge the swing angle from OE 31° to vika 34°, reduced the friction and longer the use life



Service Time 100,000 km

vika	OE
	
• **Ball pin:** swing angle 34 °	• **Ball pin:** swing angle 31 °
• **Ball:** diameter ϕ22mm	• **Ball:** diameter ϕ20mm
• **Connecting rod:** diameter ϕ11mm	• **Connecting rod:** diameter ϕ10mm
• **Boot:** double layer CR45%	• **Boot:** single layer CR45%
• **Life:** 80,000-100,000 kilometers	• **Life:** 50,000-80,000 kilometers

VS