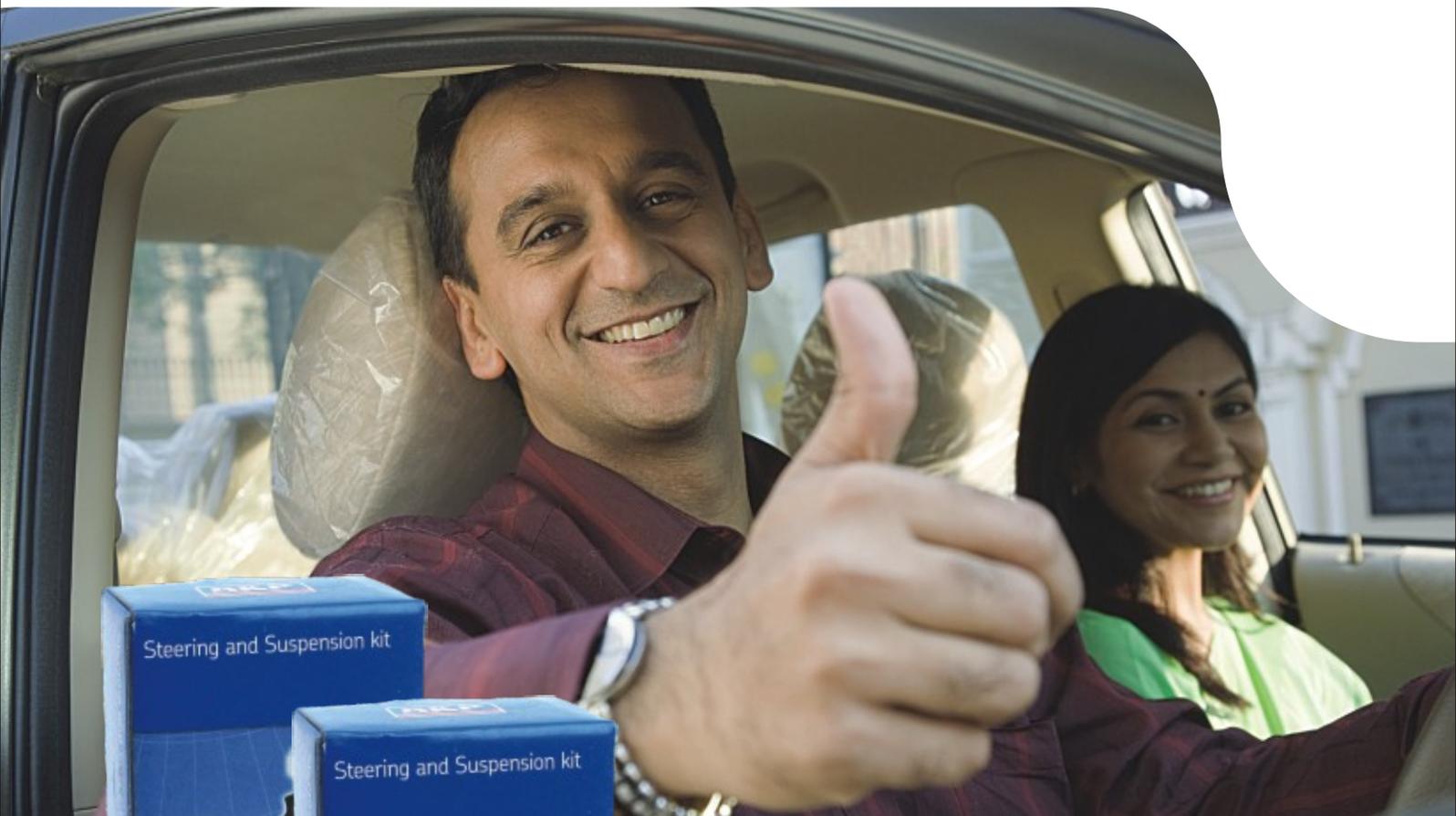




Steering and Suspension systems

Comfort, safety and durability



Install confidence, install SKF!

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Comfort, safety and durability

SKF's Vehicle Service Market caters to the Indian Automotive Aftermarket and offers a wide range of products. SKF – the knowledge engineering company, is much more than a components supplier. SKF's engineers fall back on a century of expertise to improve overall system reliability, safety and efficiency. SKF continues to take part in the on-going endeavor in developing its services and state-of-the-art products.

Vehicle Service Market leverages upon SKF's global presence and extensive knowledge and product range to bring in a range of automotive components into the Indian Automobile Aftermarket. These products are as per SKF's specifications, manufactured at various locations across the globe, and include grease, centre support bearing, universal joint cross, timing belts and now, SKF presents Steering and Suspension systems.

The steering system allows the driver to control the direction of the vehicle while the suspension system not only supports the weight of the vehicle but also buffers the occupants from the shocks of bumps and potholes even while maintaining constant contact between the wheels and the road surface. This helps make the ride a comfortable as well as safe one. The steering and suspension systems therefore work in tandem to ensure total control over the vehicle and to

maintain rider comfort. The wearing out of even a single component of the Steering and Suspension system can adversely affect the entire system and cause severe damage to the vehicle and degrade drive quality. SKF therefore brings you a range of high quality, durable Steering and Suspension parts that deliver the safest and the most comfortable drive quality for you and your family.

The SKF product offering now includes tie rod ends, track control arms, ball joints and rack ends that enhance the performance of your car's steering suspension system and deliver the best ride quality on the road.

Know your suspension system

Tie rod



A tie rod is a slender structural rod in the steering mechanism of a vehicle. The tie rod ends are flexible couplings

in the steering linkage that connect the tie rod to the steering knuckles. The outer end of the tie rod connects into an adjusting sleeve thereby allowing the



length of the tie rod to be adjustable, which in turn, sets a vehicle's alignment angle. Tie rod ends also stabilize the front wheels of the vehicle. These ball-in-socket mechanisms allow the wheels to move vertically and horizontally. Thus, as the vehicle travels over different terrains, tie rod ends ensure a smoother steering experience for the driver. Loose or damaged tie rod ends can be especially harmful for the performance of the vehicle as they lead to uneven tyre wear, and, in extreme cases, may even cause the vehicle to veer out of control.

Rack end

They are located at the inner connection of the tie rod and the rack and are responsible for allowing vertical and horizontal movement of the tie rod as it in turn transfers the movement to the wheels.

Ball Joints



These allow the front wheel assembly to move vertically while also allowing for turning motion or steering. They are

mounted at the outside end of the top control arm and the bottom control arm.

Track control arms



Track control arms add stability to the steering by reducing vibrations and uncontrolled movements.

The SKF advantage

Steering and Suspension parts are manufactured in accordance with the highest standards of quality and are continuously tested so that they deliver superior handling, better ride quality and longer service. Here is how we ensure that you enjoy a safer, more comfortable ride with the most durable and technically advanced steering suspension system on Indian roads:

- SKF ball joints are made from steel that conforms to EN-18D specifications, which are higher than the specifications set by most car manufacturers. EN 18 D steel is extremely wear resistant and affords a longer service life to the ball joints. The ball joints are cold forged during manufacturing and undergo a CNC machining process, making them stronger and resulting in greater rider comfort. Their uniform wear elongates service life and significantly reduces the chances of premature failure.



- The housings are manufactured from EN 8 grade steel and machined with better dimensional control to minimize friction thereby offering a smoother ride and lower wear and tear, resulting in a longer operational life.
- Ball seats are made from a high performance polyurethane polymer with channeled grooves for better lubricant flow. Their self sealing design with a larger bearing surface area also makes them act as shock dampeners so that the rider does not feel the bumps while gliding over an uneven surface.
- Our molybdenum grease sustains its lubrication properties at elevated temperatures and provides the same performance even at peak conditions. The chloroprene dust cover is designed to ensure minimum distortion and provide the most effective sealing against contaminants thereby further elongating the service life of the entire system.
- The anti-rust coating ensures that your high performance steering suspension system continues to deliver the same comfort and safety for a longer time.

SKF steering suspension systems applications

Sr No.	SKF Designation	Manufacturer	Make / Vehicle	Description	Pair / Each	Pack Code
1	VKY 69101	Maruti	800 (New)	Tie Rod End	Pair	54
2	VKY 69801	Maruti	801 (New)	Rack End	Each	76
3	VKY 69102	Maruti	Zen, Alto	Tie Rod End	Pair	54
4	VKY 69802	Maruti	Zen, Alto	Rack End	Each	76
5	VKY 69121	Tata	Indica - Mechanical	Tie Rod End	Pair	54
6	VKY 69821	Tata	Indica - Mechanical	Rack End	Each	76
7	VKDS 49521	Tata	Indica - Power Steering	Ball Joint (Lower Link) RH	Each	54
8	VKDS 49522	Tata	Indica - Power Steering	Ball Joint (Lower Link) LH	Each	54
9	VKY 69822	Tata	Indica - Power Steering	Rack End	Each	76
10	VKY 69131	Hyundai	Santro	Tie Rod End	Pair	54
11	VKY 69841	Hyundai	Santro	Rack End	Each	76
12	VKDS 49541	Hyundai	Santro	Ball Joint	Pair	54
13	VKY 69842	Hyundai	Santro - Power Steering	Rack End	Each	76

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