

QUESTION



The diagram shows the front suspension system of a vehicle. The main components are the coil spring, shock absorber, control arms, and steering knuckle. The coil spring is connected to the lower control arm, which is attached to the steering knuckle. The shock absorber is also connected to the lower control arm and the steering knuckle. The upper control arm is connected to the steering knuckle and the chassis.

The steering knuckle is a critical component of the front suspension system. It is responsible for steering the vehicle and maintaining contact with the road. The steering knuckle is connected to the lower control arm and the shock absorber. It also houses the ball joint, which allows the steering knuckle to pivot. The steering knuckle is shown in a cross-section view, revealing the internal components.

The lower control arm is a component of the front suspension system that connects the steering knuckle to the chassis. It is responsible for supporting the weight of the vehicle and maintaining the correct wheel alignment. The lower control arm is connected to the steering knuckle and the chassis. It is shown in a cross-section view, revealing the internal components.

The upper control arm is a component of the front suspension system that connects the steering knuckle to the chassis. It is responsible for supporting the weight of the vehicle and maintaining the correct wheel alignment. The upper control arm is connected to the steering knuckle and the chassis. It is shown in a cross-section view, revealing the internal components.

The shock absorber is a component of the front suspension system that dampens the oscillations of the coil spring. It is responsible for maintaining contact with the road and providing a smooth ride. The shock absorber is connected to the lower control arm and the steering knuckle. It is shown in a cross-section view, revealing the internal components.

The coil spring is a component of the front suspension system that supports the weight of the vehicle. It is responsible for maintaining the correct wheel alignment and providing a smooth ride. The coil spring is connected to the lower control arm and the chassis. It is shown in a cross-section view, revealing the internal components.