

Suspension

Task 1. Read the text.

The car has a bent chassis. Put it on the frame machine and bend it back. Be sure to check the stabilizer bars. Replace the shock absorbers on the van. It has coil springs, air springs, or leaf springs. Adjust the torsion bars in the SUV. Inspect the strut suspension of the sports car. The MacPherson struts need to be replaced. Look for wear on the bus's ball joints. It has a double wishbone suspension. That is a kind of multilink suspension.

Task 2. Match the words or phrases (1-8) with the definitions (A-H).

1. frame
 2. torsion bar
 3. coil spring
 4. ball joint
 5. air spring
 6. shock absorber
 7. MacPherson strut
 8. double-wishbone suspension
- A) a system where wheels are held by two y-shaped arms .
 - B) a flexible type of connection in a suspension system.
 - C) a spiral shaped piece of metal that expands and contracts.
 - D) a device near wheels to reduce the effect of bumps and shocks
 - E) a metal rod with a coil spring and shock absorber attached to it
 - F) a metal rod that twists when the wheels turn
 - G) the underlying support system of a vehicle
 - H) a spring that uses air to absorb shocks

Task 3. Fill in the blanks with the correct words or phrases from the word bank.

Chassis stabilizer bar multilink suspension strut suspension leaf spring

1. A _____ is a kind of spring that is like many sheets of metal stacked on top of each other.
2. A type of suspension system that uses at least four arms and no struts is called _____.
3. The _____ is the internal support of a car.
- 4 The metal rod that connects the suspension system is called a _____.
- 5 A suspension system that uses a metal bar with a coil spring and shock absorber is called a _____.