

Suspension systems

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graph TD; A((Suspension systems)) --- B((McPherson Strut)); A --- C((Leaf Spring Suspension)); A --- D((Trailing Arm Suspension)); A --- E((Double wishbone independent suspension));
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McPherson Strut

Works by hydraulic system in conjunction with a coil spring. The strut returns suspension to original position after compression

Leaf Spring Suspension

Designed to absorb shocks by bending. Can be made of metal or plastic strips stacked in a layer

Trailing Arm Suspension

Used mainly for rear suspension. Front end is mounted to a solid beam, rear end to the chassis via a shock absorber which allows for upward and downward movement

Double wishbone independent suspension

Uses both upper and lower arms, a shock absorber and a coil spring. It allows the wheels to move up and down, left and right while keeping the wheel in the correct position