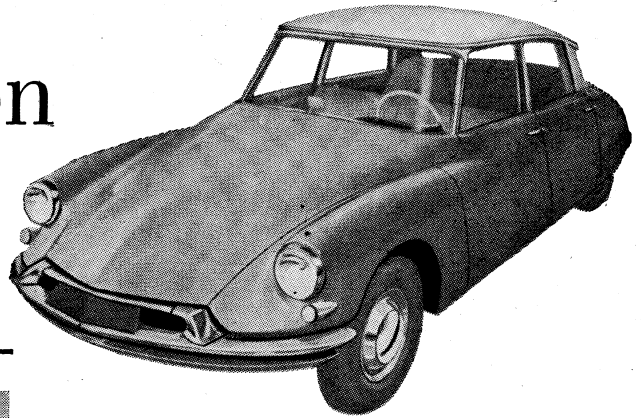


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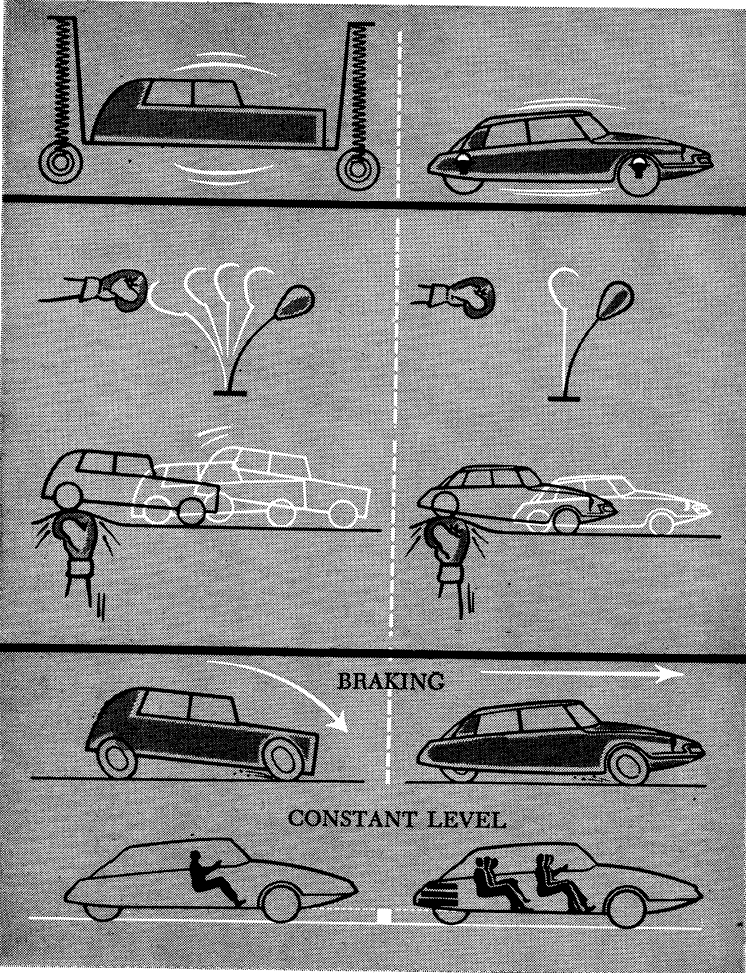
Air-Oil Suspension

For the first time anywhere, in May 1954, Citroen adapted Hydropneumatic (Air-Oil) Suspension to a production car. This revolutionary suspension is now standard equipment on both the Citroen DS 19 and ID 19 models.



ORDINARY SPRING SUSPENSION

CITROËN AIR-OIL SUSPENSION



CUSHIONING EFFECT

A conventional suspension would require a ten-fold flexibility to begin to compare with the gentle cushioning effect of Citroen Air-Oil Suspension.

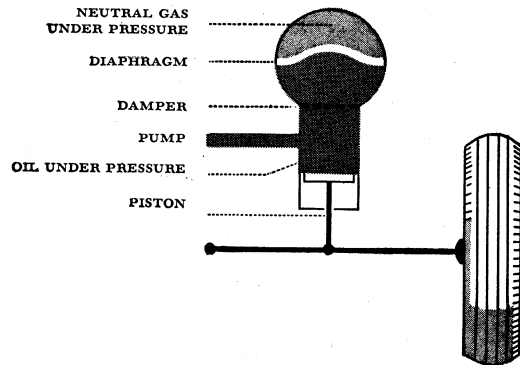
DAMPENING ACTION

A damper element is incorporated in each hydropneumatic unit. Integrated in the suspension system, this damper element has the added advantage of never needing adjustment. Because of its concept, adapted to the Hydropneumatic System, it acts instantaneously and renders the suspension practically aperiodic.

CONSTANT LEVEL

Ordinary cars nose-dive upon braking. Citroen's automatic level-compensators keep the car horizontal at all times, even upon sudden braking. Moreover, the car is kept at a constant height regardless of the load that is carried. In case of bad road conditions, moving a small lever will automatically raise the car to a higher position.

In the Hydropneumatic System, each of the four independently suspended wheels is connected to the body by a Piston. By means of a liaison liquid, this piston more or less compresses a neutral gas (Air) pressurized in a sphere. The liaison liquid maintained under pressure by a pump, automatically assures the dampening action and level corrections.



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