

Meagal Stelplast: Steering a
New Path

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Patrick M. O'Neil is a seasoned executive with over 20 years of experience in the construction industry. He has held various leadership roles, including Director of Operations and President, for major construction firms. His expertise lies in project management, strategic planning, and client relations. He is a member of the National Association of Building Officials (NABO) and the International Brotherhood of Builders of America (IBBA).

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How it works

Power steering works at the rear of the car.


The fluid reservoir, pump, pipes and fluid lines.

It will use a motor or pump which makes the wheels turn easier to steer. The steering column. This is how the wheel is steered.

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Inventor: Francis W. Davis



- Francis W. Davis began to invent the hydraulic power steering system in 1920.
- 1931 that he first received a patent for his design.
- Design was not put into effect until 1939.
- GM signed a contract with Davis but never released a car.
- 1951 cars with power steering were on the market.

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THE MAN WHO MADE IT WORK

Patented, ingenious Francis W. Davis changed the way our cars steer and handle.

By Eleanor Frankly

More than 60 years ago, a young man in a dark suit and glasses, sitting at a desk in a room with a window looking out onto a city street, was thinking about the way our cars steer and handle. He was thinking about the way our cars handle the road, the way they handle the bumps and potholes, the way they handle the curves and turns. He was thinking about the way our cars handle the most important part of the drive: the steering. He was thinking about the way our cars handle the most important part of the drive: the steering. He was thinking about the way our cars handle the most important part of the drive: the steering.

1st car with power steering

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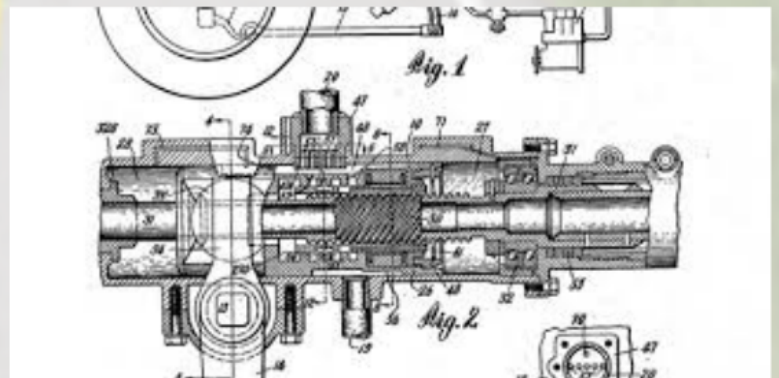
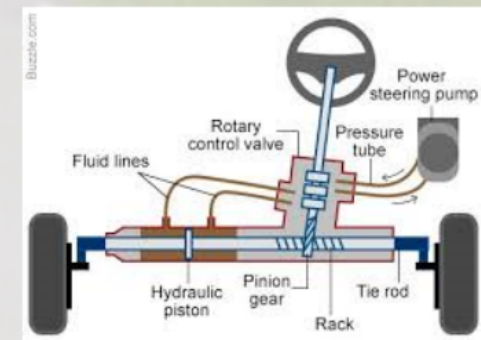
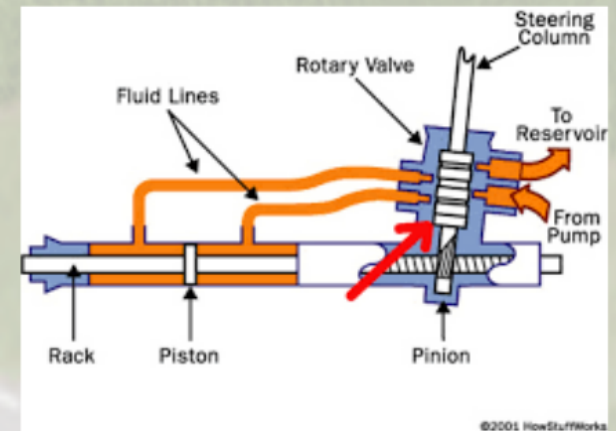


The first ever to have power steering is the 1951 Chrysler Imperial, because of power steering and its reliability it soon became a common family vehicle.



How it works

- Power steering consists of five main components:
- The fluid reservoir, pinion, piston, and fluid lines.
- Fluid is put under pressure which moves the piston.
- When piston is moved it directs the steering column. This in turn turn the wheel in the direction desired.



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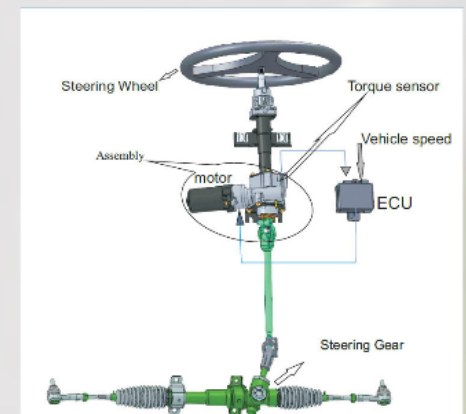
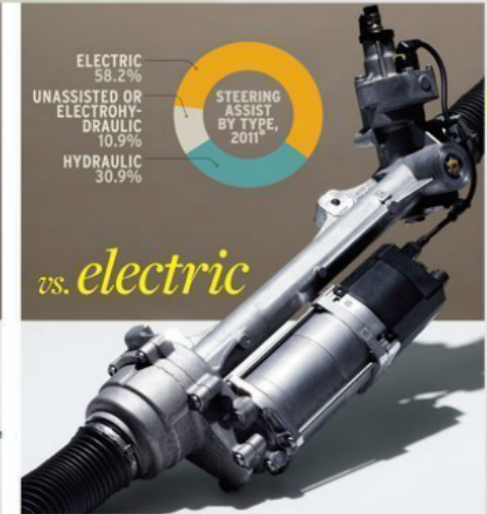
Evolution Of Power Steering

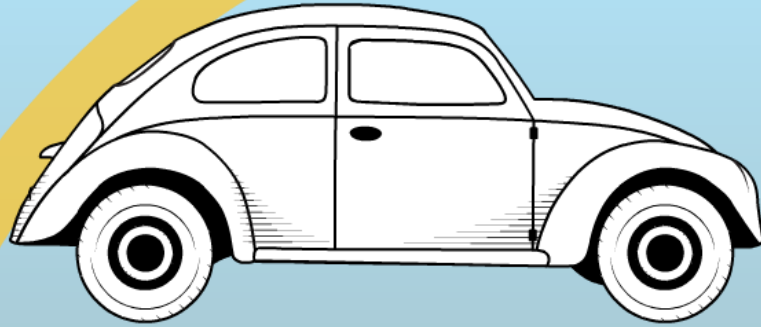
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Majority of cars still run off of hydraulic steering.

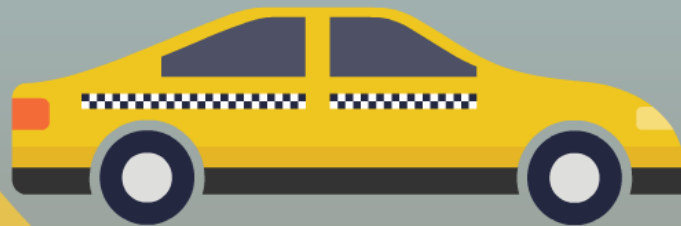
The newest technology runs off pure electricity which gives the car more energy but are said to have a different feel according to car experts.

More popular are hybrid systems which Have electric motors so the car has more power but still uses hydraulics to steer.





The End



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How it works

Power steering works at the rear of the car.

The fluid reservoir, pump, pipes and fluid lines.


It will use a motor or pump which moves the fluid.

The fluid then travels through the steering column. This is how the wheel is steered.

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