



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 which is driven by the engine.
- The pump is connected to 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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Toyota Motor Corp.: Heir Steers Carmaker out of Crisis

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1st car with power steering

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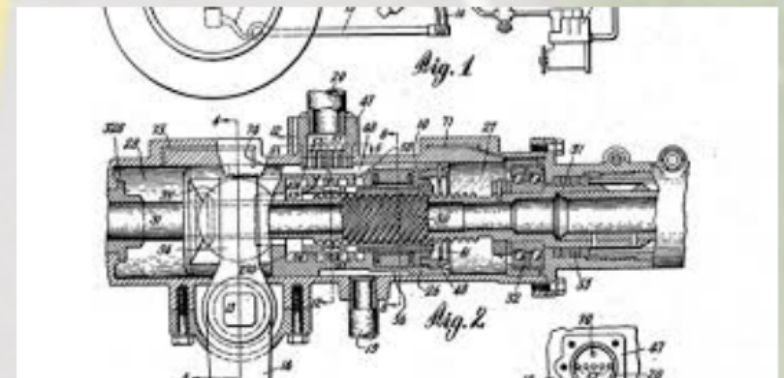
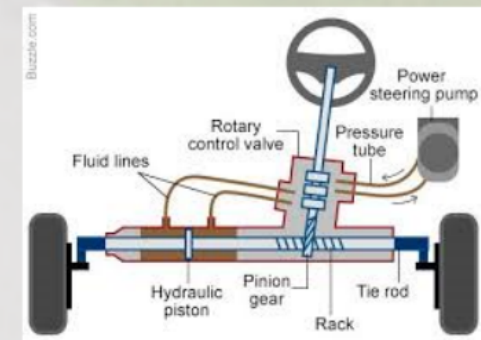
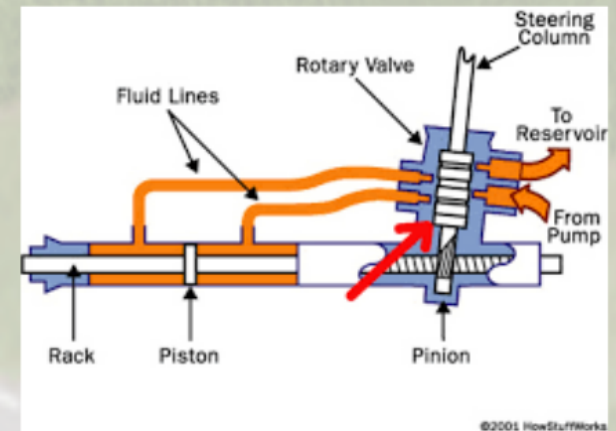


The first ever to have power steering is the 1951 Chrysler Imperial, because of power steering and its reliability it soon became a common family vehicle.



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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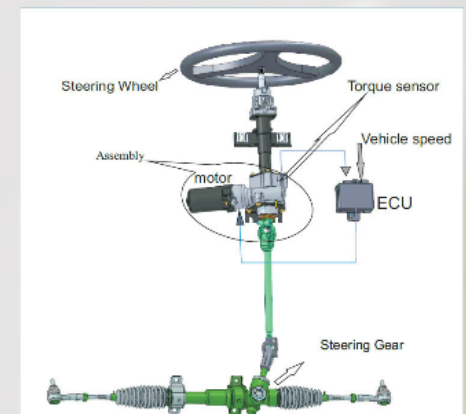
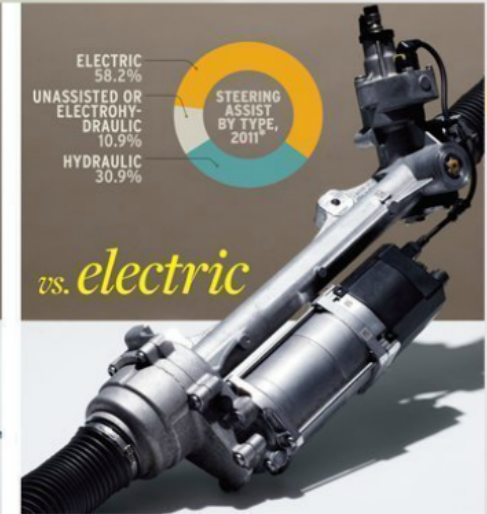
Evolution Of Power Steering

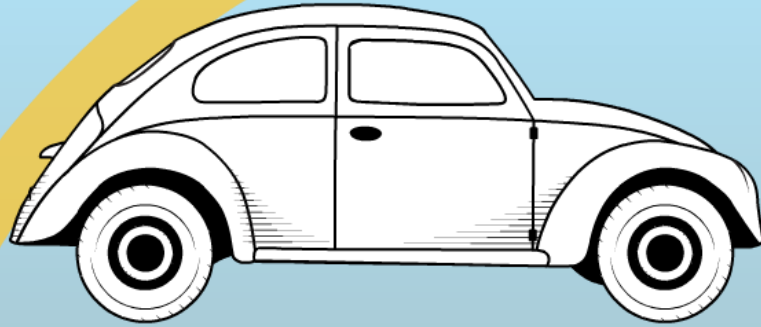
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Majority of cars still run off of hydraulic steering.

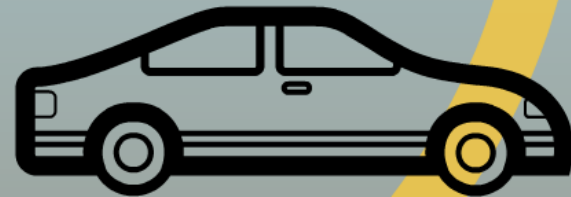
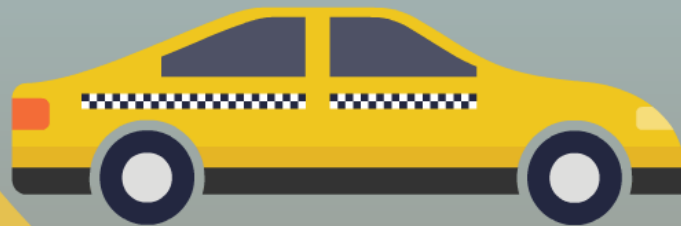
The newest technology runs off pure electricity which gives the car more energy but are said to have a different feel according to car experts.

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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