CARDONE ProTech®

Supporting Today's Vehicle Technician



Identifying the Different Types of EPS

Application All Vehicles with Electronic Power Steering.

Details There are four different types of EPS systems:

Column Assist
This type will have the electronic assist motor, control module and torque sensor mounted to the steering column. These applications will have a manual rack and pinion due to the assist coming from the motor on the steering column above.

Pinion Drive
The pinion drive system features the electronic assist motor attached to a pinion shaft on the rack and pinion. The motor will be mounted on the rack and pinion rather than on the steering column.

Rack Assist (belt drive)
The electronic assist is integrated with the rack and pinion as one unit.

Direct Drive
In a direct drive system, the rack and electronic assist motor are combined, forming one armature that surrounds the rack itself. This system is similar to pinion and rack assist due to the electronic assist motor being mounted on the rack rather than on the column.

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