

Electric Ride

*How to Build a
DC Electric Motor
for a Scooter*



- * Fuel-less*
- * Self Charging*
- * Many Applications*

by John McCullough

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How to Build a DC Electric Motor for a Scooter

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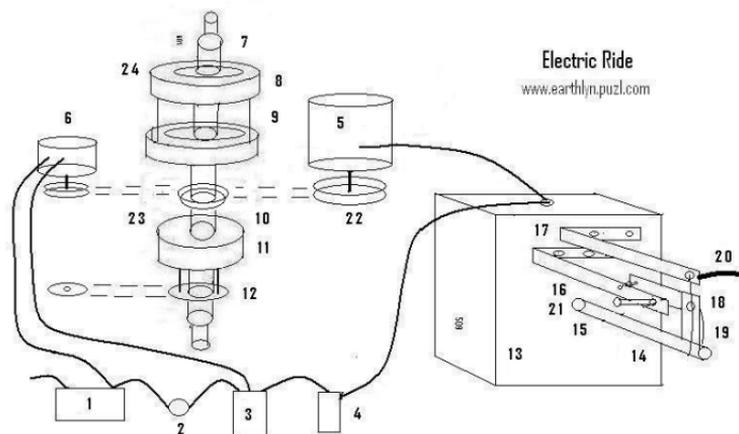
INTRO

Read First Before You Buy Parts

This motor is a 12volt system, so all your electrical parts, lights, switches and so on, will have to be 12volt. It is direct drive, so no transmission and is self charging, so no plug in.

Read first each section before you buy parts, because there are many variables to the sizes of the parts. The sizes of the parts will depend on what you buy, to make it all fit together. So why you are at the store buying parts, see how they will all fit together.

MOTOR DIAGRAM



Parts List

1. Battery, 12v, 100 amps
2. Ignition Switch, 12v
3. Regulator, 12v
4. Fuse Box, 12v, 100 amps
5. Electric Motor, 12v, 80 amps, 1 hp
6. Alternator, 12v, 100 amps
7. Drive Shaft, 8"-12" long, 3/4"-5/8" diameter
8. Sealed Bearing, height- same size as inside of bearing housing, shaft hole- same size as drive shaft
9. Bearing Housing, about 2'x2', both outside ends threaded
10. Pulley, height-2", shaft hole-same size as drive shaft
11. Centrifugal Clutch, shaft hole-same size as drive shaft
12. Gear, 13 tooth, attaches to c. clutch