



# Affordable

## DC GENERATORS

Congratulations on your Affordable DC Generator purchase. Please read through the following disclaimers, locations for assembly directions, and component sources.

### PRODUCT DISCLAIMER

Affordable DC Generators and its owner in no way provides any warranty, express or implied, towards the products sold that require final assembly by the customer. It is the customer and operator responsibility to assemble, maintain, properly connect to other devices, and be clear of any safety hazards such as rotating, hot, and explosive components.

The Affordable DC Generators kit is intended to provide the majority of components required to mount an alternator and engine together. This kit is intended to be assembled by persons having appropriate technical skill and is to be used at the customer and operators discretion and risk.

By purchasing and using components within this kit you are agreeing to hold Affordable DC Generators and its owner in no way liable for any direct, indirect, punitive, incidental, special, or consequential damages whatsoever.

### ADDITIONAL COMPONENTS REQUIRED

The JR Kit requires an engine and alternator assembly which are sold separately. The engine is a Honda GC160 with a horizontal Q type straight 3/4" keyed PTO shaft with a part number of GC160LAQHG or 60594.

The alternator can be an AC Delco 10si or 12s unit. An automotive based unit will have a 3/8" pulley which causes the belt to ride slightly high in the pulley which is not a problem. A commercial or agricultural based unit will have a 1/2" pulley which is preferred but not required. It must be a 1 wire, self exciting, negative ground model. The most common 12v unit is a 12si 12v 94amp, part number: 7294-SEN.

These alternators are available in 6v, 12v, 24v, and 48v models depending on what your battery bank configuration is. The 12v models can be found off the shelf at your auto parts store ranging from fancy chrome Powermaster models to a big box brand model. Amazon vendors carry many of these. You can also configure any type by visiting <https://alternatorparts.com/>

### ASSEMBLY REQUIRED

The following 10 minute video shows the step by step procedure for assembling the JR Kit. Tools required are a 4mm and 3/8" hex key or socket along with a socket and/or wrench combination in the following sizes: 7/16", 1/2", 9/16", 13mm, and 17mm.



<https://www.youtube.com/watch?v=QehgkKCq3jE>