

## Electric Starter

From Dave Campbell:

This starter was made for me about 4 years ago by a very good friend living in Willow, Alaska. He was at my house and asked me why I wasn't riding my bikes more than I used to. I told him that I couldn't start them very easily anymore because everytime that I tried to kick them through, I ended up with angina from my heart disease and a couple of times it almost did my in. He left and then came back about 2 weeks later with what you see in the photographs. He had it powder coated with a gray color except for the motor itself and the rollers. This starter is heavy (by my standards) and weighs almost 100 pounds but the other side of the coin is that the starter that is for sale (that John Epp furnished photographs of to Mark Seibert) using the Ford car engine starting motors is so light that it moves around on the ground with the bike on it almost too easily when it is spinning up. I know this from first hand experience with that starter. This machine simply stays put and does not move. To facilitate moving the machine, there are two wheels located on the motor end and at the opposite end, you will see a triangular tab. This tab has a 1/2 inch bolt stub welded to the bottom of the tab that is grabbed by the same wheeled handle that is used to move my pneumatic lift. There are 15 photographs in the attachment and I will do the best that I can to provide the measurements for those photographs. Bear in mind that there is no "pattern" per se' for this starter, it was made from scratch using whatever materials were handy in the fellows workshop with the exception of the starter switch, the motor, the wheels and the electrical chord leading from the switch to the motor and eventually to the wall socket. I can tell you that it will spin a 1,100cc Harley so it should not present a problem for a Gold Star, a G80CS or any other British bike. The details and measurements are as follows:

end wheels....4" diameter x 1 1/2" diameter (for movement of starter)  
side wheels....3 1/2" diameter x 1 1/4" diameter (for keeping rear wheel on rollers)  
over all length, end to end....49 1/2"  
over all width, side to side....23"  
box (welded)....27" long x 16 7/8" wide  
end channel....1 1/2" x 3" x 16 7/8" (two each)  
side plates....3/8" x 3" x 27" (flat stock - two each)  
rollers....2 3/4" diameter x 12" schedule 40 pipe, knurled with end caps and 4" long x 1" diameter axels welded to eand end  
kick back guard....genaric roller on 1" x 1' angle iron  
ramp....1/4" x 2" x 10" diamond plate with pipe hinges for folding  
motor....1725 rpm, 1 hp, 115/230 volt, 19.0 / 9.5 amp, Dayton #4K090D Farm Duty Motor  
switch....Clipper #632-D, positive on, positive off, toe operated  
pillow blocks....standard off the shelf pillow blocks from Grainger Inc.

If any of you have any questions about what you see, I will do the best that I can to provide an answer as soon as I can and feel able to get to it. Hope you all have a nice evening. Take care and stay well.

Dave























