# **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# **Build Instructions:** *Power Porter*

## *An electronic arm to bring a rear mounted wheelchair bag around to the side for easier access.*

## Developed by:

## Steve Kelly, Nicholas Perillo, Christopher Coller, Thanh Le,

## Nir Nikolaevsky, Pearse Fay, Nicholas Archon.

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Approximate Cost: *in $* Time Required: i*n Hours/Days*

# General Warnings and Cautions

*  Read through entire manual before attempting to build this device.
*  Do not attempt a step if you are unsure of what you are doing. Certain steps in this manual require experience with fabrication tools. <<General Warning>>.
  + For assistance or clarification of any step, contact Insert contact info here.

# User Assistance

For any questions regarding the assembly, operation or specifications of this device, please contact: *Insert contacts for help with device usage or manufacturing*

# 

# Icon Glossary

The following icons may be used throughout this manual—each with its own purpose.

*  **Caution:** The caution icon is used to signify whenever someone attempting the procedure may injure themselves or damage their equipment.
*  **Note:** The note icon is used to signify useful bits of information that complement the instructions.
*  **Reminder:** The reminder icon is used to provide information for after the procedure is completed, such as tips for disassembly.
*  **Need-Knower Specific:** This part or method of manufacture has been designed specifically for a local Need-Knower.

# 

# 

# Need-Knower Background:

*Insert some background regarding your Need-Knower*

# 

# Purpose of Device:

*Insert the purpose of the device*

# 

# Physical Description:

*Insert the physical description*

*List Main parts in dot point*

*Insert Image*

# 

# History of Development:

*This project began at the 2017 TOM: Melbourne Makeathon...*

# 

# 

# 

# 

# 

# Bill of Materials

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Part ID** | **Part Name** | **Description** | **Qty** | **Units** | **Supplier** | **Unit Cost** | **Cost** |
| A |  |  |  |  |  |  |  |
| B |  |  |  |  |  |  |  |
| C |  |  |  |  |  |  |  |
| D |  |  |  |  |  |  |  |

# 

# 

# Tools Required:

* *Insert required tool*

# Parts Inventory (Assembly) :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Part No. | Part Name | Description | Qty | Units |
| A |  |  |  |  |
| B |  |  |  |  |
| C |  |  |  |  |
| D |  |  |  |  |

1. Assembly drawing with parts numbers :

# 

# 

# Assembly

## Step 1 : *Title*

* *Insert Step Description*
* *Insert Image*
* Link: *Insert link*

## Step 2 : *Title*

* *Insert Step Description*
* *Insert Image*
* Link: *Insert link*

## Step 3 : *Title*

* *Insert Step Description*
* *Insert Image*
* Link: *Insert link*

## Step 4 : *Title*

* *Insert Step Description*
* *Insert Image*
* Link: *Insert link*

## Step 5 :*Title*

* *Insert Step Description*
* *Insert Image*
* Link: *Insert link*

## Step 6 : *Title*

* *Insert Step Description*
* *Insert Image*
* Link: *Insert link*