

PowerTech Cables



Input

User Manual

Overview

The PowerTech Vent can be connected to a wheelchair's power source in a variety of ways. The following are different cable options for doing this, as well as instructions on how to properly connect them.

Joystick Charging Port

Description

Connecting to power through the Joystick Charging Port is a very quick and easy way to setup the PowerTech Vent.

Installation

- Step 1 Plug the cable into the Joystick Charging Port.
- Step 2 Tidy up all excess slack and loose wire. Be Neat!

Technical Specifications

Connector Pins:	pin 1	Positive (+)
	pin 2	Ground (-)
	pin 3	not used

Service

There are no serviceable parts to this product. Please contact Richardson Products Inc. about any problems

Battery Ring Terminals

Description

Connecting directly to the wheelchair's batteries frees up the joystick charging port and prevents the PowerTech unit from ever having to be unplugged.

Installation

- Step 1 Remove the wheelchair's battery case cover. Some battery boxes have pre-cut wire channels which will allow the power cable's quick disconnect wires to neatly come out of the battery box. Other battery boxes may require the user to have a new hole drilled into the battery case. **If you have to drill a new hole in your wheelchair's battery case, remove the battery from the case before drilling!**
- Step 2 Feed the wires through the new hole (or pre-cut wire channel) on your wheelchair's battery box.
- Step 3 Identify the cable's positive and negative ring terminals:
Positive = Red wire, Ground = Brown wire.
- Step 4 Connect the **Ground** ring terminal to the battery system's ground (0 volts). Connect the **Positive** ring terminal to the battery system's positive (+24 volts). This will span across both batteries
- Step 5 **STOP:** Double check your wiring to ensure that you have observed proper battery polarity. Check for proper power at output of cable.
- Step 6 Replace your wheelchair's battery box cover. Be sure not to inadvertently crimp or cut the electrical wires when replacing the battery case. **The battery cover should go back on as easily as it came off.**
- Step 7 Tidy up all excess slack and loose wire. Be Neat!

Technical Specifications

Connector Pins:	pin 1	Positive (+)
	pin 2	Ground (-)
	pin 3	not used

Service

A fuse is located inline with the cable near the ring terminals. Please contact Richardson Products Inc. about any problems

Fuse Replacement :

10 amp, 250 volt fast acting glass fuse (20mm x 5mm)

www.Mouser.com

part#: 576-0217010.hxp

Anderson Connectors

Description

Some wheelchairs have a special cable already hooked up to their battery system. It is possible to plug the PowerTech unit right into this cable.

Installation

Step 1 Locate the connection point where you wish to plug in

Step 2 Test the voltage to ensure proper level (24v) and polarity:

Red - Positive, Black – Ground

Step 3 Connect The PowerTech input cable to the cable on the chair.
Be sure of polarity

Step 3 Snap on the security lock so that the connection does not
inadvertently get disconnected

Step 4 Tidy up all excess slack and loose wire. Be Neat!

Technical Specifications

Connector Pins:	pin 1	Positive (+)
	pin 2	Ground (-)
	pin 3	not used

Service

There are no serviceable parts to this product. Please contact Richardson Products Inc. about any problems

Related Products

product #	description
06076	PowerTech Vent

Warranty and Disclaimer

Richardson Products Inc. warrants that the PowerTech Input Cables shall be free from defects of workmanship and materials and will perform in accordance with the product specifications for a period of one (1) year from the date of sale by Richardson Products Inc. to the dealer. If the product fails to perform in accordance with the product specifications, Richardson Products Inc. will repair or replace, at its discretion, the defective material or part. This warranty does not cover damage caused by accident, misuse, abuse, alteration and other defects not related to material or workmanship.

Richardson Products Inc disclaims all liability for economic loss, loss of profits, overhead or consequential damages which may be claimed to arise from any sale or use of this product.



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