

SERVICE AND OPERATION MANUAL



VCCC-BP BATTERY POWERED CUTTER WITH PARTS LIST



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NOTE: Because Hubbell has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.

VCCC-BP SPECIFICATIONS

Cutting Tool (VCCC-BP)

Drive Unit:	14.4V DC motor
Dimensions:	4"L x 4.5"W x 14.5"H
Weight:	6 lbs.
Cutting Capacity:	1000 MCM Cu 2" O.D. Al

Battery Cartridge (VCBP-SM)

Battery Type:	Sealed nickel cadmium
Voltage:	14.4V DC
Rated current:	1.2Ah
Charge time:	15 minutes
Dimensions:	3.5"L x 2.7"W x 5.3"H
Weight:	1.6 lbs.

Battery Charger (VCACC-Q)

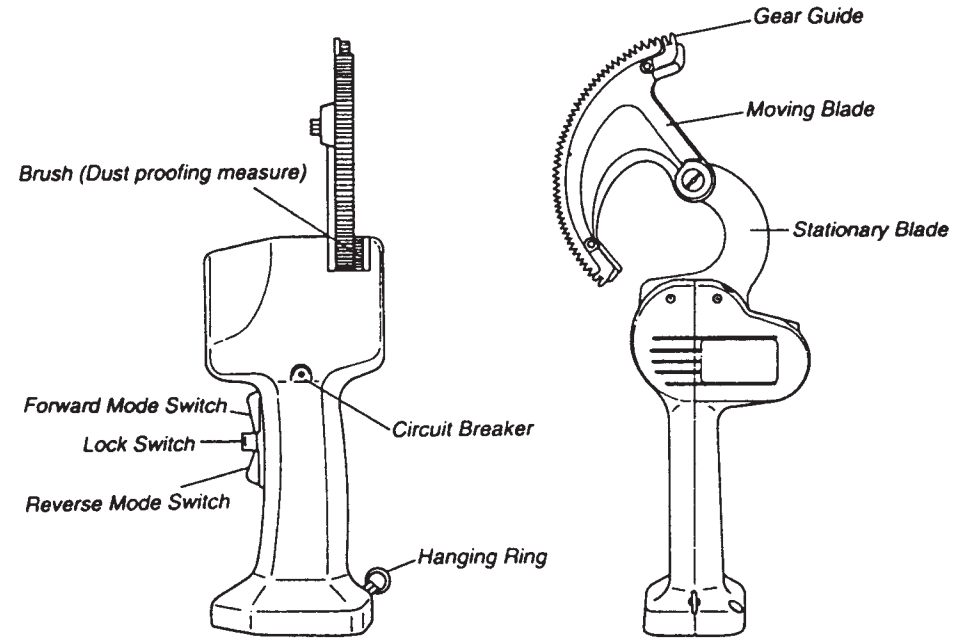
Input voltage:	120V AC single phase
Input frequency:	50/60 Hz
Output:	14.4V DC @ 5.6A
Dimensions:	7.9"L x 4.5"W x 3.8"H
Weight:	4 lbs.

Optional Accessories

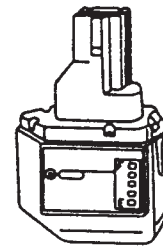
AC Adapter	VCAC
Battery Pack	VCBP-HD
DC Charger	VCDCC

PARTS & ACCESSORIES

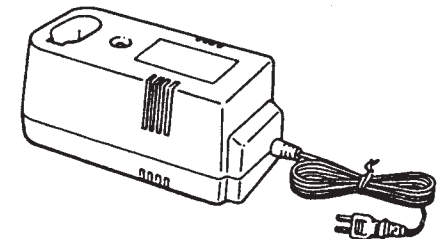
VCCC-BP Battery Powered Cutter



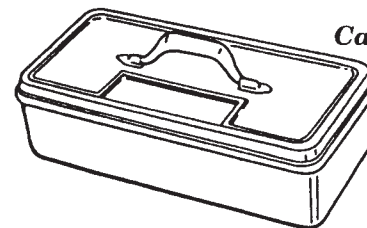
Battery Cartridge VCBP-SM



Charger VCACC-Q



Carrying Case



Operating Instructions

Attaching the Battery Cartridge:

1. While pressing the latch, pull out the battery cartridge. To replace the battery cartridge push it back into place firmly (until it clicks into position) (figure 3).
2. After attaching the battery cartridge, check that it is securely in place by pulling it (without pressing the latch)

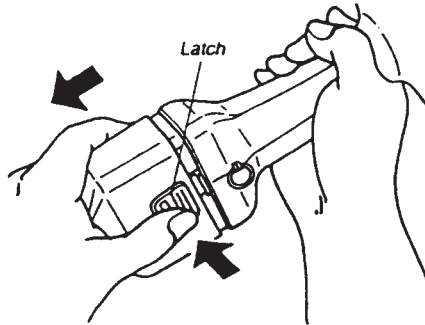


Figure 3

Switch Operations:

1. For safety purposes, the tool has a two-way action switch system. To activate the Forward mode (cutting) and Reverse mode (release) switch, first press the Lock switch and then press the Forward/Reverse mode switch. (figure 4)

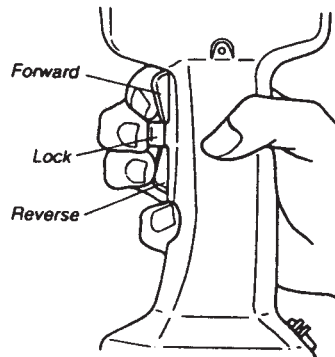


Figure 4

Operating Instructions

Cutting:

1. Activate the switch to open the moving blade. (Figure 5)

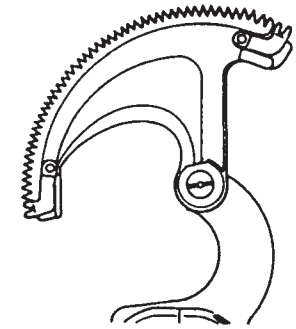


Figure 5

2. Place the cable to be cut onto the stationary blade, and close the moveable blade around the cable. Feed the moving blade by hand so that the gear teeth engage the drive mechanism of the unit. (figure 6)

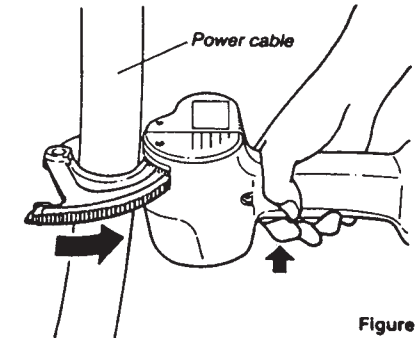


Figure 6

3. Press the Forward switch to cut the cable. Keep the switch pressed until the cable is cut completely. (figure 6)

4. To cut several small cables continuously, alternate use of Forward and Reverse modes with the moving blade still engaged with the drive mechanism of the unit. (figure 7)

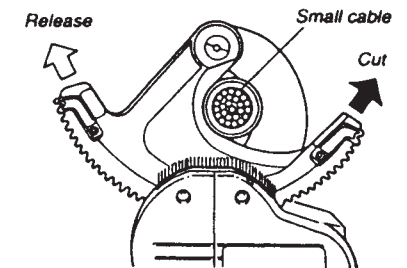


Figure 7

5. When finished, remove any dust or particles that may have become attached to the brush.

Operating Instructions

Circuit Breaker:

1. The circuit breaker will be activated and the tool stops, in the following circumstances:
 - Oversized or harder material is cut.
 - The tool becomes overheated from successive use.
 - Drawn amperage exceeds the rated amperage.(The reset pin will stick out about 1/16" from its original position) (figure 8)

2. To continue using the tool, wait 10 seconds to 1 minute and press the reset pin back into position. (Normal operation can resume when the reset pin has been returned to its original position.)

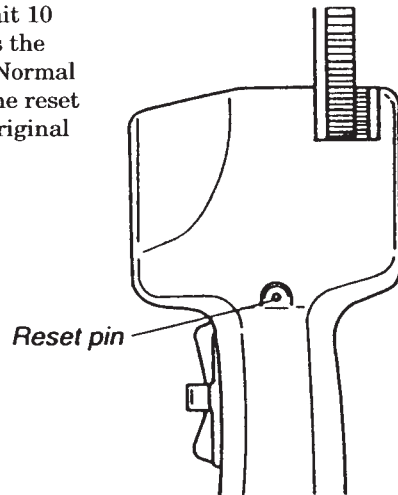


Figure 8

Note: The circuit breaker may also be activated even within the cutting capacity when the operating temperature, cable bend and other factors affect the performance.

IMPORTANT OPERATING PRECAUTIONS

Precautions for the cutter:

1. Do not cut cables larger than those listed in the specifications on page 1.
2. Do not touch, and keep fingers away from the moving or stationary blades.
3. Never cut energized cables.
4. If the cutter is used continuously, the temperature of the motor remains high and the battery cartridge will become hot, this can cause the tool to malfunction. Therefore, make sure that the tool is allowed to cool down occasionally.
5. If the operating temperature is low (less than 50 degrees F) the cables become harder and cutting may not be performed as efficiently.
6. This tool contains precision parts, and may not function correctly if it is exposed to shocks or other abuse.
7. Do not attempt to disassemble or repair the cutter by yourself. Refer all repairs to qualified personnel.
8. Do not use the tool in the rain, as this leads to a deterioration of the blades, and may damage the electrical circuit.
9. Do not use the tool if dirt or particles are detected in the tooth gear opening on the main unit. Also, always use compressed air to clean the tool after use.

Maintenance and Inspection:

1. Daily maintenance is important to keep the tool in good working condition.
2. To ensure smooth operation and prevent rust, store the tool in a cool dry area. Ensure that the blades are cleaned and sharpened.
3. Inspect blades for damage or burrs. If burrs exist, they can be removed with a flat grinding stone on the back side of the blades.
4. When the plastic housing becomes dirty, clean it with a soft soaped cloth.
5. If the tool is maintained regularly, it should provide you with trouble free service.

IMPORTANT OPERATING PRECAUTIONS

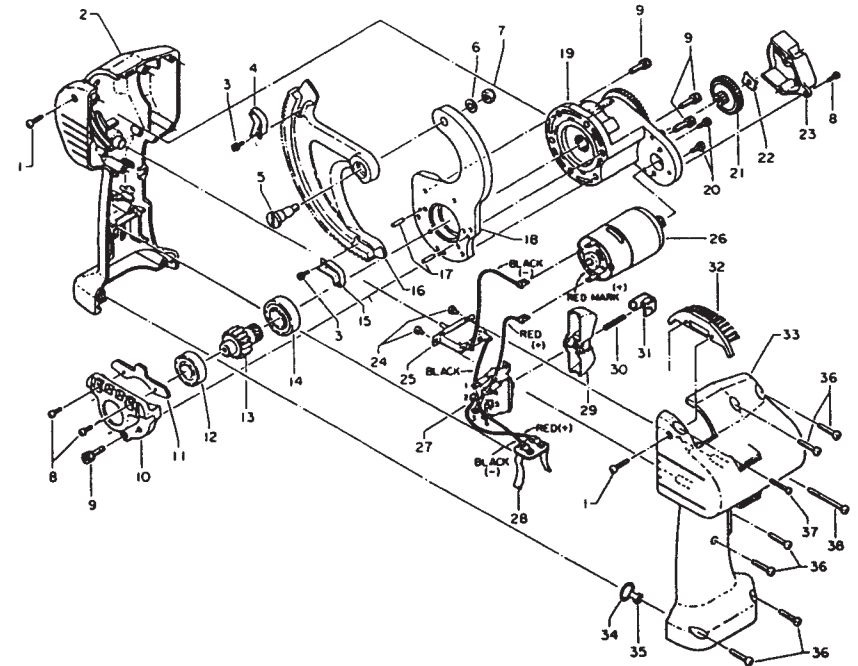
Precautions for the charger:

1. The LED indicator lights up and stays on when the unit starts charging. This indicator will go out when completed.
2. This unit charges battery cartridges VCBP, VCBP-SM and VCBP-HD. Do not use the charger for any other device.
3. Allow at least 15 minutes between charging when several cartridges are charged continuously.
4. Cool off battery cartridges before charging.
5. Charge batteries at 50-90 degrees F (10-35 degrees C).
6. The charge time is approximately 15 minutes for the VCBP and VCBP-SM and 45 minutes for the VCBP-HD.
7. Never short circuit output terminals.
8. Do not expose the pack to water, oil or solvents.
9. Do not disassemble or modify the unit.
10. Do not drop or otherwise abuse the unit.

Precautions for the battery cartridge:

1. Do not short circuit the contacts.
2. Do not expose the cartridge to water, oil or solvents.
3. Do not disassemble or repair the battery cartridge.
4. Do not dispose of the battery cartridge with waste.
5. Do not drop or abuse the cartridge.
6. Do not leave the cartridge in locations at a temperature of more than 140 degrees F (60 degrees C) for an extended period of time.
7. The battery has a limited life. It can be re-charged approximately 500 times. Charging habits and conditions will affect battery life.
8. If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.

MODEL VCCC-BP PARTS DIAGRAM



MODEL VCCC-BP PARTS LIST

NO.	DESCRIPTION	CODE	QTY.
1	M3 x 14 Screw (T.P.)	RC-50-01	02
2	Housing (L)	RC-50-02	01
3	M3 x 3 Screw	RC-50-03	02
4	Gear Guide (B)	RC-50-04	01
5	Shoulder Screw	RC-50-05	01
6	M6 Lock Washer	RC-50-06	01
7	M6 Lock Nut	RC-50-07	01
8	M3 x 8 Screw	RC-50-08	05
9	M5 x 14 Screw	RC-50-09	11
10	Bearing Case R50	RC-50-10	01
11	Cutter Plate	RC-50-11	01
12	Bearing 6001VV	RC-50-12	01
13	Pinion Gear	RC-50-13	01
14	Bearing 6002VV	RC-50-14	01
15	Gear Guide (A)	RC-50-15	01
16	Moving Blade	RC-50-16	01
17	Needle Pin	RC-50-17	02
18	Stationary Blade	RC-50-18	01
19	Gear Case Assembly R50	RC-50-19	01
20	M4 x 8 Screw	RC-50-20	02
21	Gear ISO714/46	RC-50-21	01
22	Gear Plate	RC-50-22	02
23	Gear Cover R50	RC-50-23	01
24	Retaining Pin (C.P.)	RC-50-24	02
25	Circuit Breaker 20A	RC-50-25	01
26	Motor RS-750SF	RC-50-26	01
27	Switch R50	RC-50-27	01
28	Contact	RC-50-28	02
29	Switch Knob	RC-50-29	01
30	Spring (524)	RC-50-30	01
31	Switch Lock	RC-50-31	01
32	Brush	RC-50-32	01
33	Housing (R)	RC-50-33	01
34	Hanging Ring	ROB-101	01
35	Ring Support	ROB-120	01
36	M4 x 20 Screw (T.P.)	ROB-29	06
37	M3 x 20 Screw (T.P.)	RC-50-37	01
38	M4 x 40 Screw (T.P.)	ROB-126	01

TROUBLESHOOTING

Problem	Cause	Solution
The charging lamp does not come on.	Dust etc. has got into the battery cartridge insertion slot.	Remove the obstruction.
	The battery cartridge is overheating.	Allow the cartridge to cool before continuing.
The tool does not operate.	The Battery Cartridge is not charged.	Charge the battery cartridge.
	The circuit breaker has been activated.	Reset the circuit breaker by pushing the reset pin back to its original position.
	There is dust or foreign objects lodged at the battery contacts.	Remove foreign objects.
	The OFF Lock is not fully depressed.	Follow the directions shown on page 3.
Even fully charged the cutting capacity is reduced.	Life of battery cartridge.	Replace the battery cartridge with a new one.
	Deterioration in the blade.	Replace the blade with a new one.