



# NCTE\_120/128/136

Installation Instructions and CA Setup Steps included inside this package

## Recommended Tools:

- Drill
- Centre punch
- Drill bits to make a 5-6mm exit hole: 1/8" and 3/16"
- Heat gun (or lighter) for heatshrink
- Splined BB cup tool
- Crank removal tool
- Torque wrench for 25-30Nm

## NCTE Bottom Bracket Torque Sensing, for Ebikes with CA3

- Add Automatic Pedal Assist to your Ebike
- Measures Pedal Torque Directly Across Spindle
- Fits 68mm Threaded Bottom Bracket Shell
- Available in Various Spindle Lengths
- Use with CA3 Aux In for On-the-fly Adjustment

### Specifications

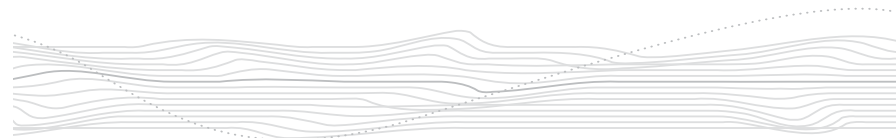
Cable Length	112cm
Connector	5-Pin Male JST SM
Bottom Bracket Model	120L / 128L / 136L
Supply Voltage	10-16V
Current Draw	12mA
# PAS Poles	8

For more information, visit [www.ebikes.ca](http://www.ebikes.ca)

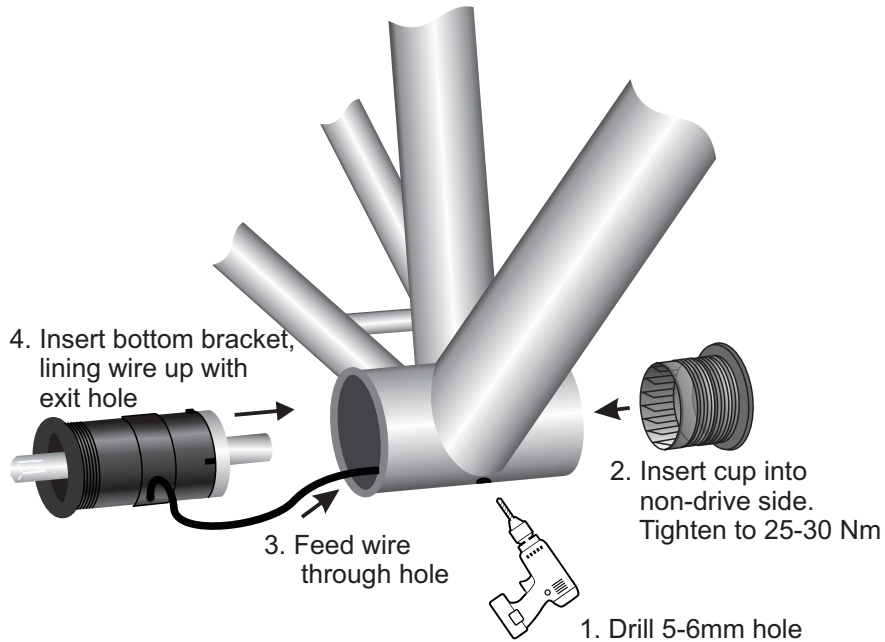


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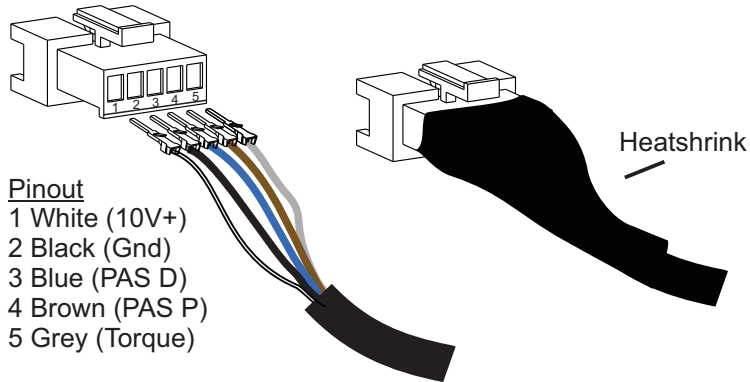
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# NCTE Bottom Bracket Installation Guide



5. Tighten drive side cup to 25-30 Nm
6. Insert pins into JST housing. See diagram for pinout and alignment. Align each pin with housing, with the tabs pointing up. Insert until pin clicks. Gently tug to ensure pin is seated.



7. Add heatshrink over JST housing and wires
8. Plug into CA3 and adjust the PAS Device and PAS Config settings

# Cycle Analyst Setup Procedure

## CA 3.0x

### 1. SETUP PAS SENSOR

PAS Poles	8
Dir Plrty	5V = Rev
Sensr Type *	2-Wire
Stop Thrsh *	15 rpm
Stop Thrsh *	25 rpm
PAS Mode	Torq PAS

### 2. SETUP TRQ SENSOR

Sensr Type	THUN BB
Asst Factr**	2 - 4 times
Asst Start**	0-100 Watts
Asst Avg	8

\*These are the default settings

\*\*These settings should be adjusted to user preference.

## CA3.1x

### 1. SETUP PAS DEVICE

Sensr Type	Thun BB
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### 2. SETUP PAS CONFIG

PAS Mode	Torque
Strt Level*	0 - 100 watts
Scale Fctr*	2-4 times
Asst Avg	8 Poles
Start Thrsh* *	0.3 sec
Stop Thrsh*	0.2 sec



The P and D arrows should toggle 8 times per crank revolution

The torque signal should be between 2.45-2.55V with no force on the cranks.

For more information, visit <http://www.ebikes.ca/product-info/advanced-pas-kits.html#torque-sensors>