

"Intelligent System"



Installation Manual for Bicycles

A. Component Presentation

Make sure that you have all the components prior to starting installation !!!

Command console



Motor wheel



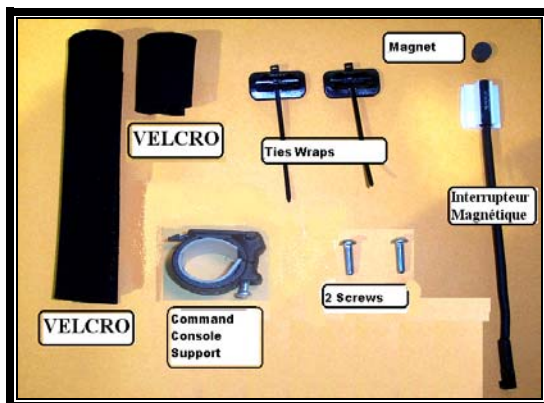
Battery



Battery support and cables



Accessories



Charger

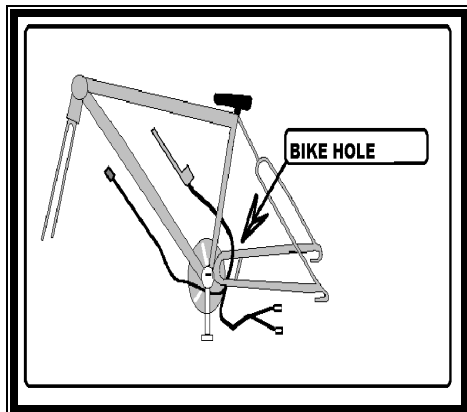


ATTENTION!!!
DO NOT INSTALL THE BATTERY UNTIL THE SYSTEM IS COMPLETELY MOUNTED AND THAT ALL THE CONNECTIONS ARE HOOKED UP.

1. Electric Cable Installation

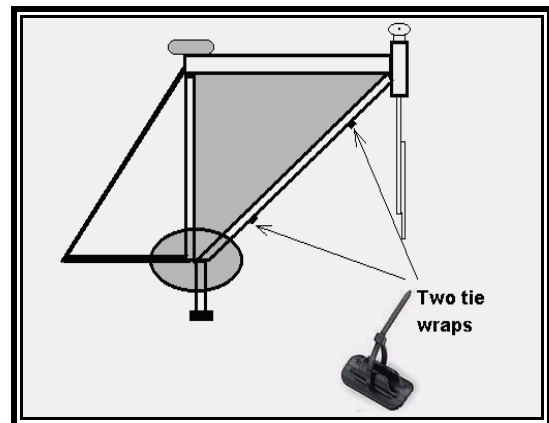
Step 01

- Insert wires in the bike frame hole behind the pedal.



Step 02

- Put the two cables wraps under the oblique tube.



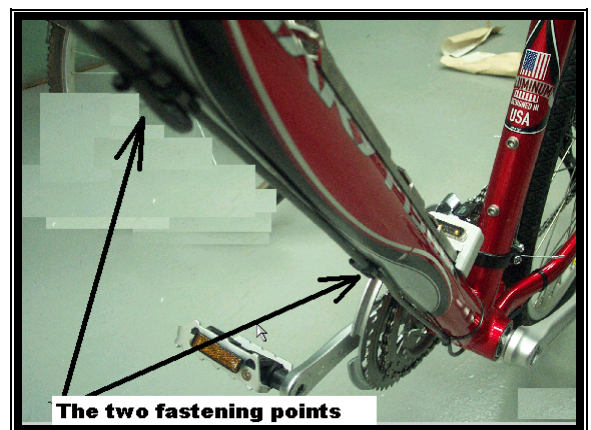
Step 03

- Fasten with the two supplied M5x16 screws by moderately tightening the battery support on the oblique tube. **Don't use other screws.**



Step 04

- Insert the command console cable in the two existing wraps and secure it by tightening the tie wrap..

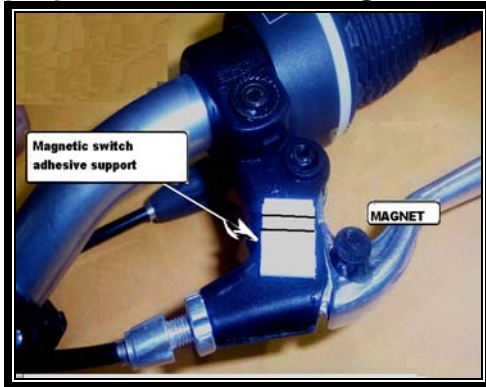


2. Brake (Magnetic) Switch Installation

Step 05 **IMPORTANT**

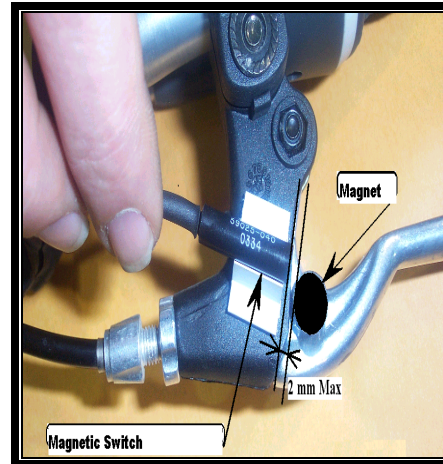
- Install the adhesive clip under the right handle by guiding the slot toward the flat part under the right lever.
- Clean and glue the magnet on the flat part under the right lever using supplied double-sided adhesive tape :
- **NB : If the surface isn't metallic or flat, use EPOXY to glue the magnet.**

Caution!!! The slot must be perpendicular to the magnet.



Step 06

- Insert the magnetic switch in the switch support by clipping it in.
- Position the switch at **2 mm (max)** from the magnet by sliding it in the slot when needed.



3. Command Console Installation

Step 07

- Install the command console support on the right handle bar by delicately opening and making sure to place the strip towards the back.



Step 08

- Slide in the command console and screw it to the support.



Motor Wheel Installation

Step 09

- Install the tire on the wheel .



Step 10 **IMPORTANT**

- The screw that is already in place is used to adjust the width for a 6, 7 or 8 speed freewheel. **It does not necessarily have to touch the white sleeve installation on the axle.**
- **NB: The white sleeve should be loose on the axle.**



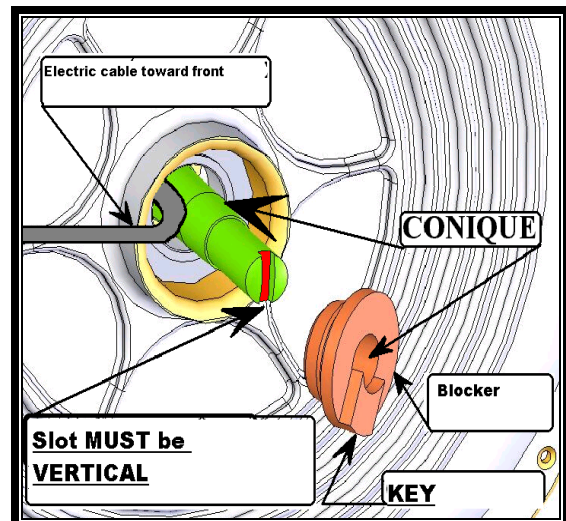
Step 11

- Screw the freewheel on the threaded part on the right cover.



Step 12 **IMPORTANT**

- Insert the blocker by sliding it into the motor's shaft on the cable side.
- Make sure **the key is toward the outside.**



Step 13

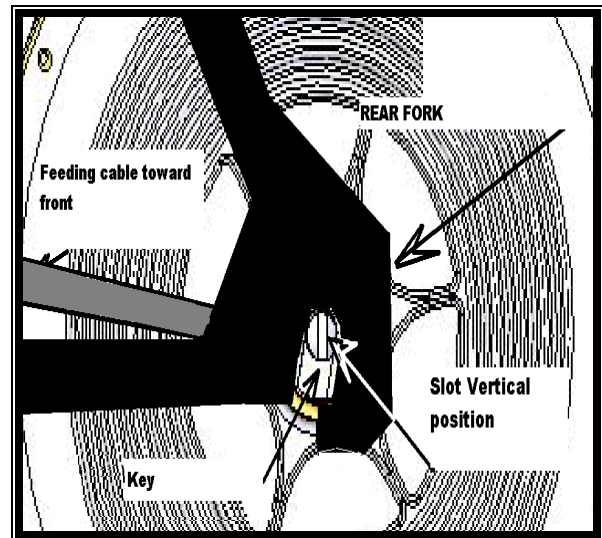
- Install the wheel on the bike. Make sure the **key is well positioned in the dropout** of the rear fork and that **the cables point towards the front of the bike**.

Caution!!! Do not tighten the nuts.



Step 14

- With the bike on the floor, adjust the motor shaft by positioning the slot located on the left side of the shaft vertically.
- Tighten the nut on the left side. Make sure the slot is always vertical to the floor.



Caution!!! Do this adjustment with the bike on the floor rather than on the repair stand.

Step 15

- Tighten all the nuts to secure the wheel.



4. Connections

Step 16

- Carefully insert the male and female connectors of the command console in a straight line.

Caution!!! If insertion seems difficult, do not force it. Try again by slightly modifying the angle until the two connectors are perfectly aligned and easily be inserted.



Step 18

- Carefully insert the motor cable's male and female connectors in a straight line.



Caution!!! If insertion seems difficult, try again by slightly modifying the angle until the two connectors are perfectly aligned.

Step 17

- Connect both of the brake switch's male and female connectors.



Step 19

- Connect both of the motor power cable male and female connectors.



5. Fastening and Fitting Cables

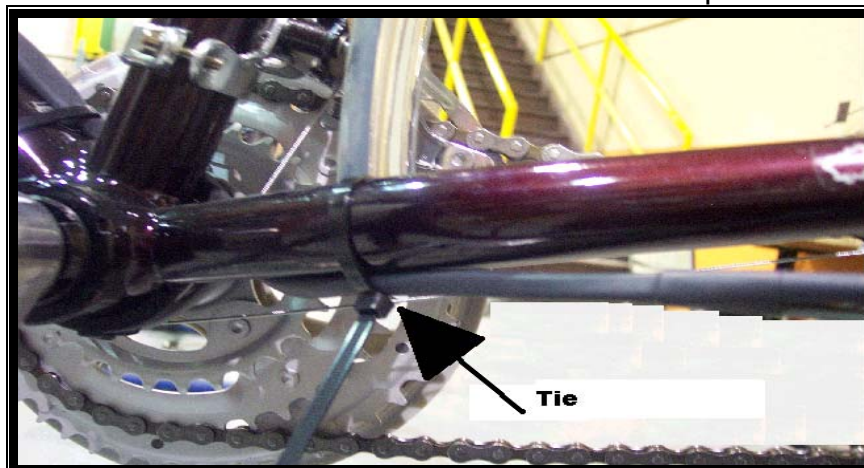
Step 20

- Align the cable connected to the battery base and fasten it to bike frame. Take care not to obstruct the shifting gear.



Step 21

- Fasten both motor wheel cables with a tie wrap.



Step 22

- Protect the motor wheel connections with the two pieces of velcro.



6. Battery Installation

Step 23

- Place the battery on the metal plate screwed to the bike's frame.



Step 24

- Slide the battery towards the rear.

NB: Make sure the battery fits snugly in the retaining groove and is well positioned in the electrical connection base.



Step 25

- Push the handle to fasten the battery to the plate. Lock it with the key by pressing towards the inside.



7. START-UP

Press the **Mode** button on the command console and **follow instruction in the User Guide.**

8. Important Information



Damaged Cables

Make sure electric cables and connectors are not damaged.



Bad Connections

Make sure male and female connectors are connected before starting up the intelligent system. A bad connection can severely damage the system.



Repair

If repairs are needed (e.g. flat rear tire) make sure that the intelligent system deactivated. **Remove the battery** and carefully disconnect the connections. When you are done, reconnect the connections.



Electric Components

Do not remove the battery when the intelligent system is activated.
Do not open or disconnect the electrical connections when the intelligent system is activated as this may a short circuit.