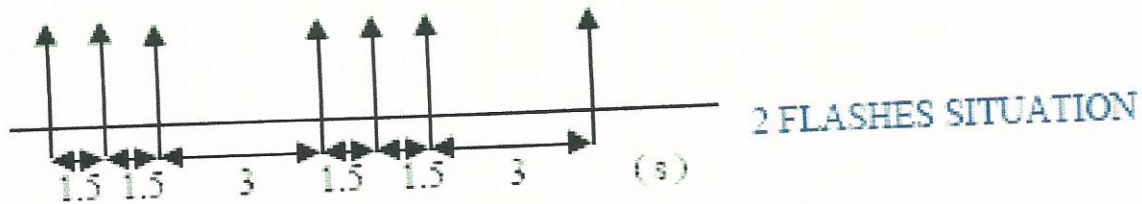


eGo Electric Bicycle Specification

4 Diagnostic Codes

Number of flash	Reason	Check
1	Anomaly Controller or motor	FET, motor
2	Anomaly Controller or Contactor	FET, Contactor,
3	The throttle is not on zero position	Throttle wire
4	The voltage is not correct. Battery voltage lower 13V or higher 32V	Battery
5	Motor open	Motor
6	Motor short	Motor

Remark 1:
The gap of each flash is 1.5 second, The gap for a cycle flash is 3 second.



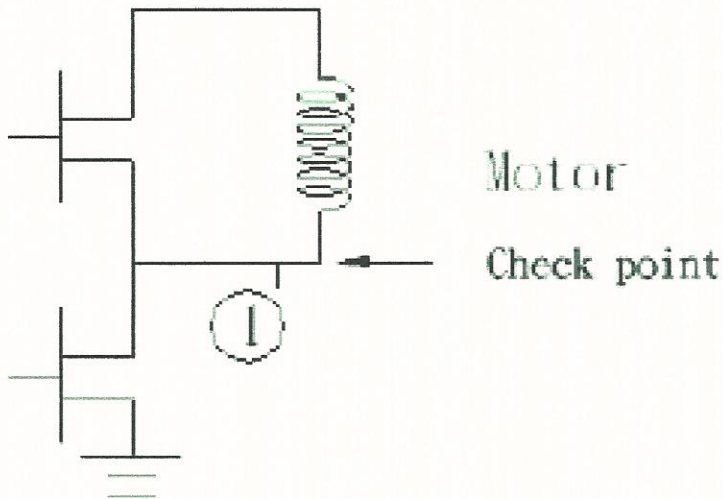
Remark 2: 1 flash

A. FET NG means the 1 position is NG situation.

OR

B. The motor M- wire is short with case.

It could be checked by electrical measuring instrument



Method: disconnect the battery wire, Disconnect the motor M- wire. To use the electrical measuring instrument “ohm” check the controller M- and B- is short or not. If it is short, then the controller is burned out. If not, then check M- wire has touched to metal case.

Assist testing:

STEP 1 KEY SWITCH ON, 1 FLASH

STEP 2 KEY SWITCH OFF

STEP 3 DISCONNECT THE MOTOR WIRE M-

STEP 4 KEY SWITCH ON – IF THE RESULT IS 5 FLASH, IT MEANS THE MOTOR IS SHORT WITH CHASSIS, IF THE RESULT IS 1 FLASH, IT MEANS CONTORLLER NG.

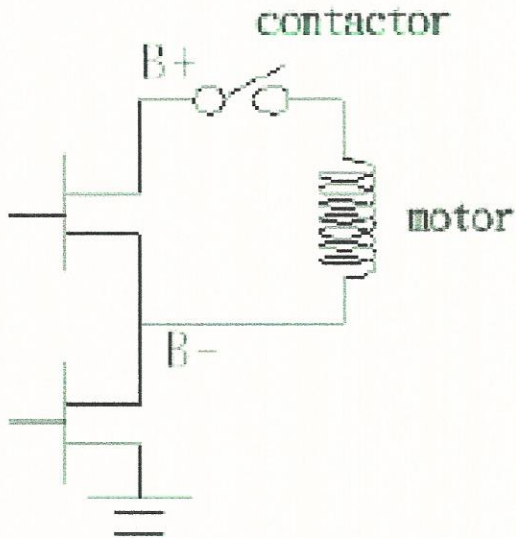
Remark 3: 2 flashes - Contactor

A. FET NG

OR

B. The contactor NG

It could be checked by electrical measuring instrument



Method: disconnect the battery wire, Disconnect the motor M- wire. To use the electrical measuring instrument "ohm" check the controller M- and B+ is short or not. If it is short, then the controller is burned out. If not, the contactor should defective.

Assist testing:

- STEP 1 KEY SWITCH ON, 2 FLASH
- STEP 2 KEY SWITCH OFF
- STEP 3 DISCONNECT THE MOTOR WIRE M-
- STEP 4 KEY SWITCH ON – IF THE RESULT IS 5 FLASH, IT MEANS THE CONTACTOR NG, IF THE RESULT IS 2 FLASH, IT MEANS CONTORLLER NG.

Remark 4: 5 flashes – Motor open

Because contactor and motor are on the same circuit. When controller has 5 flashes, the defective part is probably contactor or motor.

Method: Disconnect the battery wire. To measure the motor M+ and M- is Open situation or not, If it is not motor open situation, the defective should be contactor.

