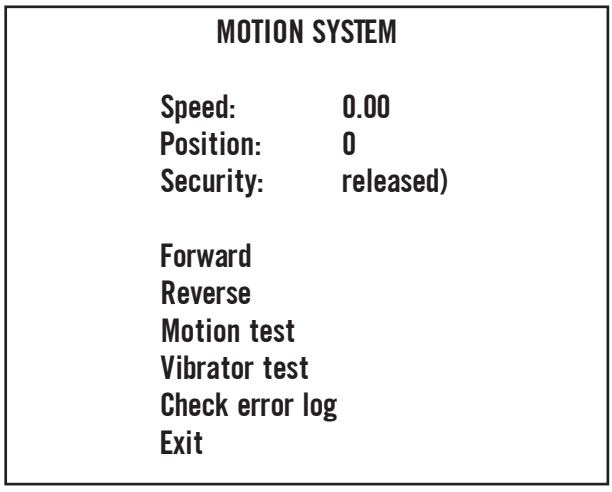
Start button	Placed on top of the fuel tank (right side). The light ring that sorrounds the monitor is activated when pressing this button.
View Button	Placed on top of the fuel tank (left side). The light ring is also activated when pressing this button.
Service Button	Placed on the Control Panel
Test Button	Placed on the Control Panel
Volume Switch	Placed on the Control Panel
Coin & Coin2	Coin Acceptors
Emergency Stop	Red knob placed on top of the fuel tank. When checking this function, the message displayed on the screen is **ON** when the button is pressed (motion system disabled). Once pushed, the button will remain mechanically locked until you turn the red knob clockwise. The motion system is enabled when the message on the screen is “OFF” (red knob released).
Footrest detection	Front footrests of the bike (back footrests are not active). During the game, the motion system is disabled if the player does not press both front footrests. The emergency stop button must be released (OFF) when checking the **Footrest detection**. The message is **OFF** when the motion system is enabled, that is, when both footrests are pressed.
Exit	To return to the main menu, push VIEW and START at once.

6.3 MOTION SYSTEM TEST

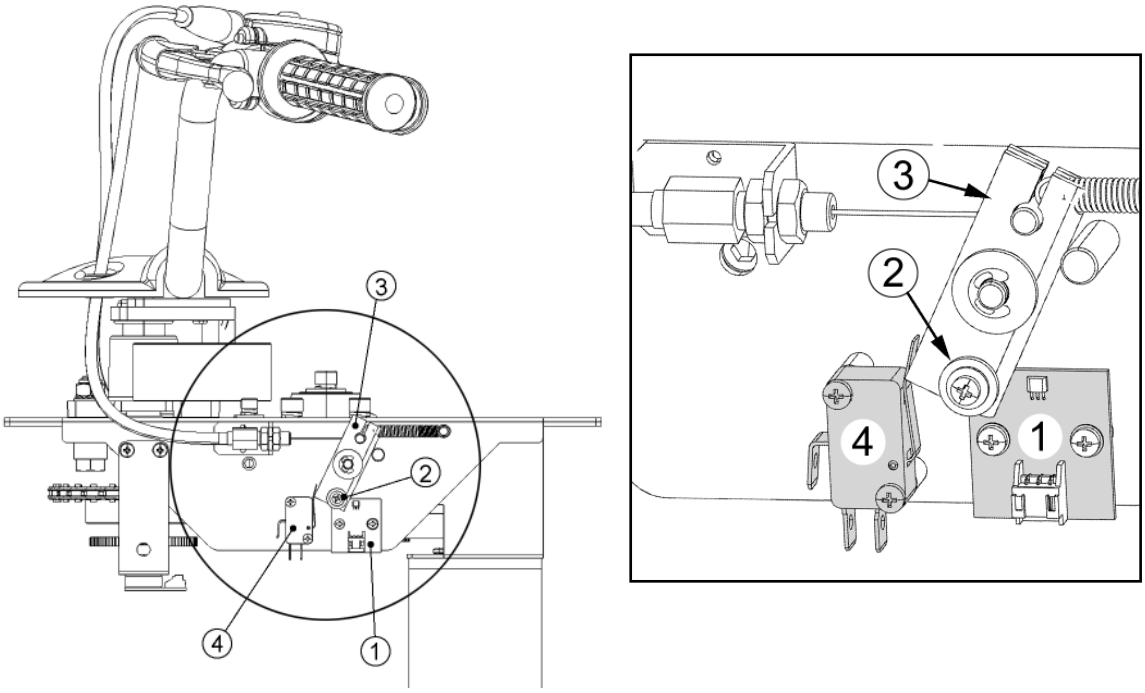
This screen enables you to check some functions related to the motion system.



The system does not move unless the emergency stop button (red knob) is released, but it is not necessary to press the footrests when performing this test.

9.5 ADJUSTMENT OF THE BRAKE SENSOR

The brake sensor consists of a magnet (2) and a Hall IC (1). The magnet is mounted on the lever (3) that activates the micr-switch (4). The IC is mounted on a printed circuit board including a connector. The drawing below shows all these elements.



9.5.1 INSPECTION

To check the performance of the sensor, proceed as follows:

1. On Test Mode, go to the **Input / Output** screen and select the **Brake sensitivity** option.
2. Press down the brake handle until the distance between the lever and the grip is about **16mm**. In that position, the reading should be between **170** and **180**.

INPUT / OUTPUT

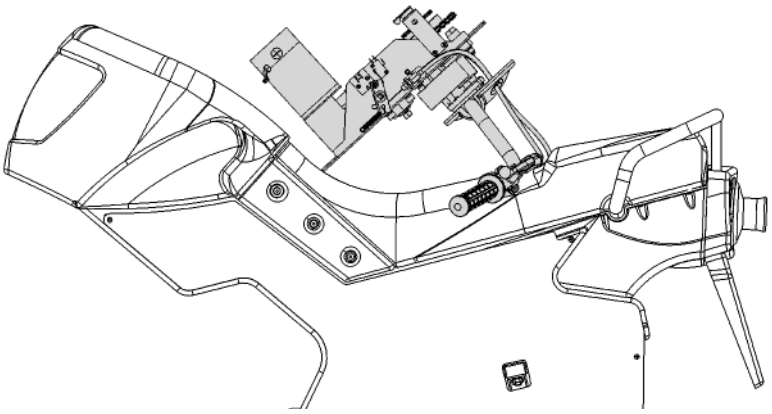
Handlebar position:	127	-0.004
Throttle:	242	0.898
Brake sensitivity:	**175**	X.XXX
Lateral leaning:	000	-1.000

A kid should be able to get the maximum brake force, which is: **255 1.000.** That's the simplest way to test the brake sensor.

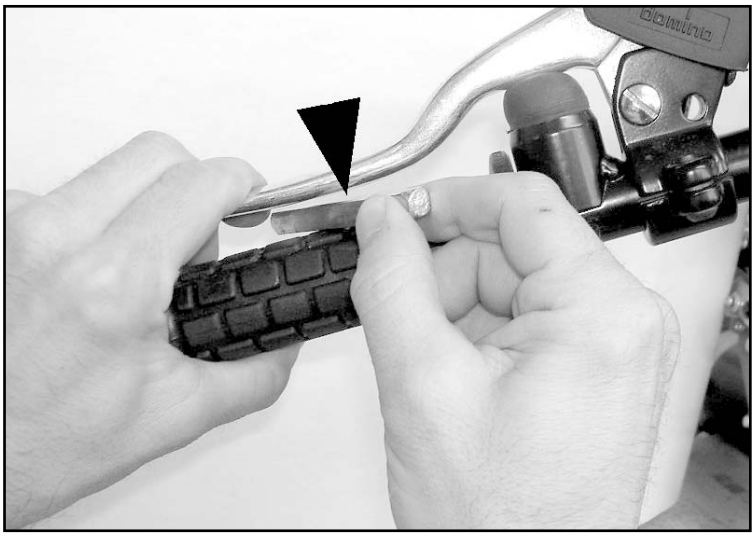
9.5.2 SENSOR ADJUSTMENT

To adjust the sensor proceed as follows:

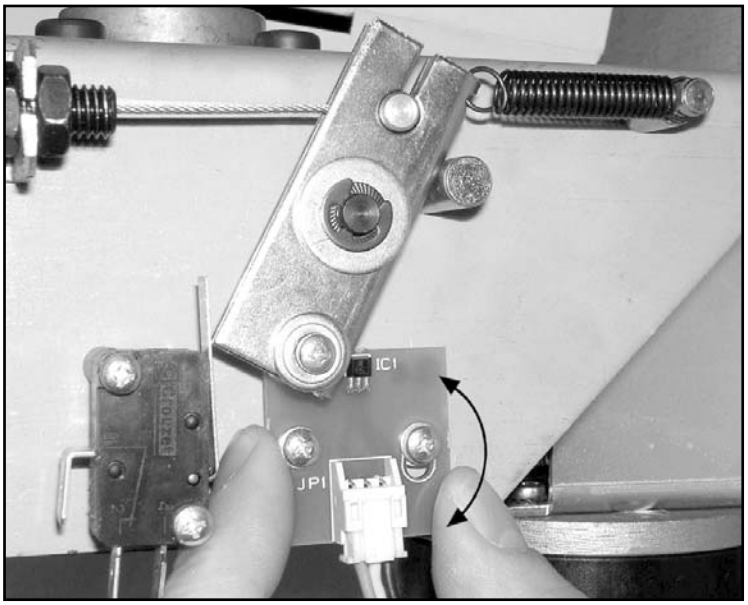
- Switch off the machine.
- Remove the steering mechanism, as explained in section 9.4 of this chapter.



- Loosen -just a bit- the screws that fix the sensor board. The right hole of the board allows you to move it up and down a few millimeters, pivoting on the left screw. The idea is to hold the board in a way that allows you to move it, but the friction force keeps it in any wanted position during the adjustment.
- Connect the sensor board, switch on the machine and select the **Input / Output** screen.
- Press the brake handle until it is **16mm** close to the grip, approximately. Using an object of that thickness can be very helpful during the tuning process.



- Keeping the handle pressed, move carefully the sensor board, until you find the position where the reading is any value between **170** and **180**.



- Tighten up the screws and check again the operation of the sensor, following the procedure explaned on the previous section (**9.5.1**).
- Check that the maximum reading (**255 1.000**) is obtained when the brake handle is 12mm close to the grip, approximately.

If the red knob is pressed along the play, a warning message is displayed on the screen indicating how to unlock the knob.

When this message is not displayed but the bike does not move, the safety stop circuit should be tested.

9.9.2 SAFETY STOP

To check the safety stop circuit, enter the INPUT / OUTPUT screen in Test Mode and ensure that the emergency stop button is released (OFF). Then check the footrest switches looking at the **Footrest detection** line. The reading on this line should be **OFF** when both footrests are pressed. The reading is **ON** when any of the footrests is released.

If the message is wrong, the technician should check the switches. The circuit is shown in the wiring diagrams.

If any of the footrests is not pressed along the play, the following message will be displayed on the screen.

PLACE FEET ON THE FOOTRESTS

If the security circuit seems to be OK, but the motion system remains disabled, you have to check the error messages provided by the driver. Those messages can be consulted by selecting the option **Check error log** in the MOTION SYSTEM menu.