

## How To Test the End Sensors

### TigerStop Line

(TigerStop, TigerCrossCut, TigerFence, TigerRack, TigerTurbo, HeavyDuty 2)

#### Version 5.xx

1. Power down TigerStop using the red switch on the TigerStop motor box.



STOP

2. Hold .
3. Power up while holding the button.
4. If done properly, you will see the boot diagnostics screen.
5. Pull the carriage, by hand, to the middle of the beam
6. The 3rd line of the screen will show you the condition of the sensors.

```
Encoder=           0
Motor      0 Max    0
CC= 24V          Wall=122V
```

```
Encoder=           0
Motor      0 Max    0
G
CC= 24V          Wall=122V
```

7. Pull the carriage to the motor end as far as you can go. ME should pop up when you are on this extreme end and only when you are on this end.
8. Pull the carriage to the opposite end. IE should pop up when you are on this end and only when you are on this end.

### If you get an ME or an IE while the carriage is in the middle of the beam;

1. Grab an air hose and go to the back of the machine. On the back of the machine there is an orange dust strip that goes the entire length of the machine. If you peel back the strip you can use the air hose to blow out the inside of the beam. Make sure you get the extreme ends.
2. Check diagnostics to see if the IE or ME went away. If they are still on the screen, continue on to the next step.
3. Power down and unplug TigerStop from the wall. Follow proper log out/ tag out procedures to ensure machine has no power.
4. Remove the cover from the TigerStop motor box.
5. Slide the motor box cover off the studs.
6. Check and reseat the two sensors, labeled "Lim 1" and "Lim 2".
7. Put the motor box back together.
8. Power up while holding the Stop button to access diagnostics and check the condition of the sensors.

### **If the IE or ME don't show up at all...**

If the carriage has recently been taken out, remove the carriage and ensure it is not in upside down. An upside down carriage will move backwards and will not trigger any sensors.

If the carriage has not been taken out, follow the [End Sensor Installation Guide](#) to remove the sensors and check the cables for damage. If the cables are OK, you may need an amplifier replacement.

### **If only one of the sensors work;**

1. Power down and unplug TigerStop from the wall. Follow proper log out/ tag out procedures to ensure machine has no power.
2. Remove the cover from the TigerStop motor box.
3. Slide the motor box cover off the studs.
4. Swap the end sensor wires marked "1" and "2".
5. Put the motor box back together.
6. Access Boot Diagnostics and test the sensors again. If the problem has switched sensors, then you need to replace the sensor. If the same sensor is reading as bad, you may need an amplifier replacement.