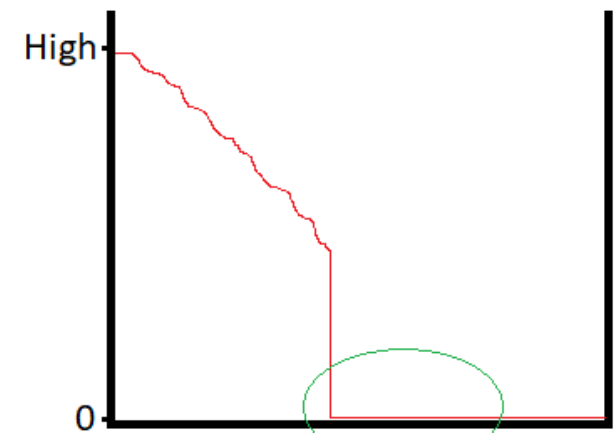
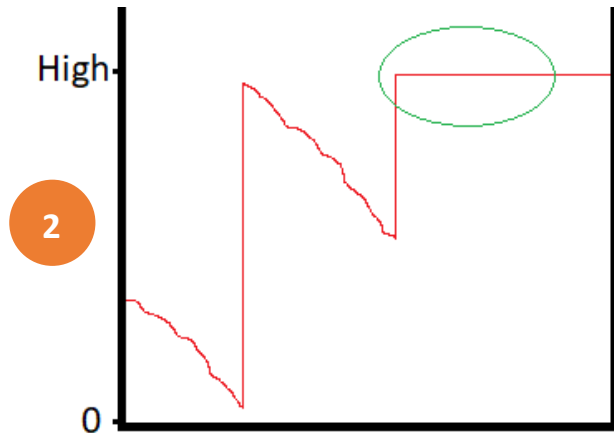
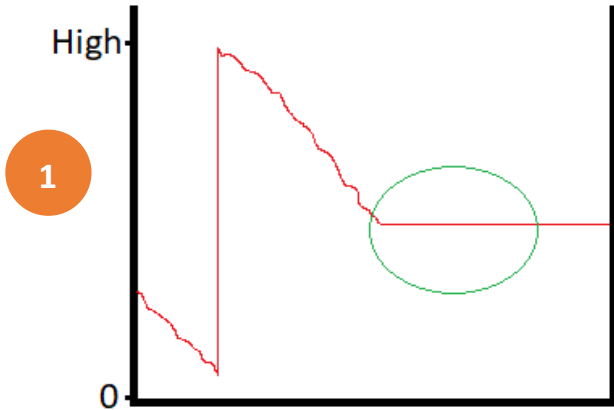
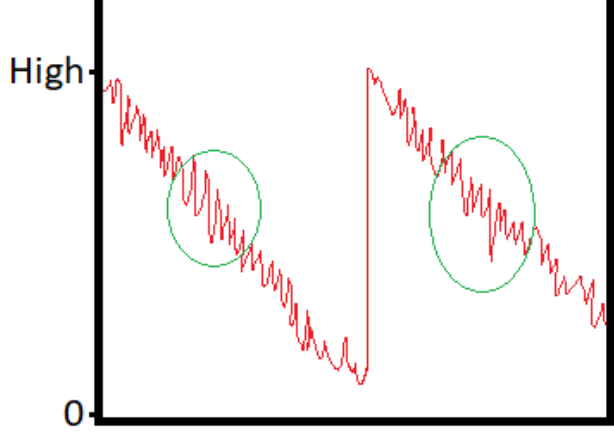


## TROUBLESHOOTING FOR CAP10 ANALOG, PULSE AND RS232 OUTPUT FUEL LEVEL SENSOR

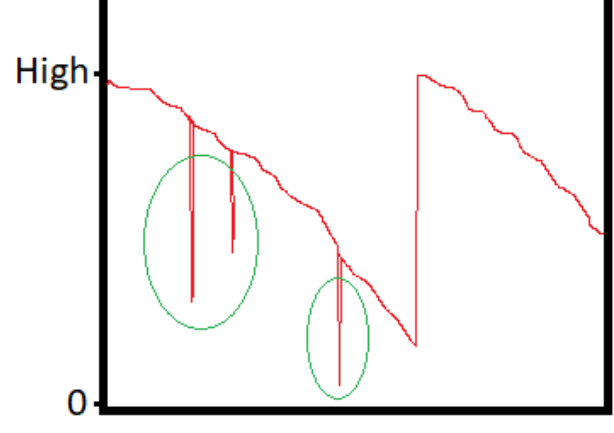
No.	PHENOMENA	GRAPH	REASONS	SOLUTIONS
1	Fuel level in graph or output signal is unchanged		There is liquid in the circuit board	Could not repair, need to replace new sensor
			Filter footer is clogged by dirt, particles	- Clean the filter footer and the oil tank - Blow away the impurities in the sensor
2	Fuel level in graph or output signal is closed to maximum value or exceeded		There is liquid in the circuit board	Could not repair, need to replace new sensor
			Male connector was spoiled by some reasons <i>(*only happens to Cap10 Analog output)</i>	
3	- NO output signal - The signal is under 1VDC - Fuel level in graph is keeping at lowest value <i>(*only happens to Cap10 Analog output)</i>		No power supply	- Check if the power cable is disconnected - Check if the sensor connector is losing or disconnected
			Output signal cable is disconnected	Check the OUTPUT cable
4	The signal is unstable, fluctuating constantly, and have an error from 3% to 10% compares with the volume of the tank		Bad terrain	Create additional algorithmic filter on reading device or server
			Due to the special size/shape tank, cause large fluctuating fuel level when moving	
5	The signal is normal, sometimes drops to 0 and then up to normal		The mass is short-circuit during sensor installation	Check the installation again, and ensure the sensor and the chassis frame are insulated completely
			The sensor that installed is eccentric with oil tank	Reinstall to ensure the sensor is concentric with the oil tank to minimize the fluctuating fuel level when moving
6	The signal is normal, sometimes soars high and then back to normal		Power supply for the sensor is not stable	- Check the sensor connector to see it is firmly connected - Check if the GND and PWR+ source are stable
			Sensor connector was spoiled by some reasons	Could not repair, need to replace new sensor
6	The signal is normal, sometimes soars high and then back to normal		There is liquid in the circuit board	- Clean the filter footer and the oil tank - Blow away the impurities in the sensor
			There is impurities in the sensor's pipe	



3



4



5



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