

LED Rapid Flash

There are two different scenarios that will cause a SIM LED to rapid flash.

- A. Mis-compare: The SIM dip switches may not be in agreement. This could be due to incorrect dip switch placement in-between the off and on position, damaged switches, or a change in dip switch settings without following the proper steps. In any case, further troubleshooting in the field may correct a Rapid Flashing LED. It is best to remove the SIM from the aircraft prior to attempting to adjust DIP switches to avoid dip switch damage. The steps outlined below should be completed by the mechanic using either ships power, or a FRESH 9 Volt battery.
1. Ensure P-lead is disconnected, and power is removed from the SIM.
 2. Carefully, using a small instrument (pic), switch all four dip switches down to the OFF position.
 3. Momentarily apply power to the Timing Post for about 2 seconds until the LED illuminates steady green, then remove power. If LED does not illuminate, rotate input shaft slightly, then repeat this step.
 4. Apply power to the Power Post and verify a series of 4 long flashes indicating all four switch positions are "OFF". SIM LED may rapid flash (12 times per second) during this step, however proceed to the next step.
 5. Remove power from the Power Post.
 6. Switch all four dip switches to the up (ON) position.
 7. Momentarily apply power to the Timing Post for about 2 seconds until the LED illuminates steady green, then remove power. If LED does not illuminate, rotate input shaft slightly, then repeat this step.
 8. Apply power to Power Post and verify a series of 4 short flashes confirming switch positions are "ON". If correct, proceed to step 9 below. If SIM LED rapid flashes at this point, proceed to scenario B below.
 9. Remove power from the Power Post.
 10. Re-set dip switches to the correct setting for the aircraft.
 11. Momentarily apply power to the Timing Post for about 2 seconds until the LED illuminates steady green, then remove power. If LED does not illuminate, rotate input shaft slightly, then repeat this step.
 12. Apply power to the Power Post and verify the blink code is correct for the application.
 13. Refer to the SureFly SIM Installation Instructions appropriate for your model of SIM.
- B. If the SIM is reading a value from the manifold pressure sensor that is outside of the expected range, the LED may rapid flash. In this case, contact SureFly for support.