

## Interferences

## Display

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**Question:**

MyChron5/MyChron5S/MyChron6 display is darkened, turns upside down, shows black lines and rolling numbers, turns off. What's going on?

**Answer:**

The problem is related to the sparkplug in use. These MyChron5/MyChron5S/MyChron6 unexpected behaviours mostly happens when the engine is revving at high RPMs. LEDs, logged data, lap time trigger and all the other functions keep working fine.

Sparkplugs without noise suppressor will generate an electromagnetic interference which affects the display, causing the issues listed above. The interference can affect electronic devices in general; this is the reason why sparkplug manufacturers produce "Resistive sparkplugs", that are recommended when electronic components are installed on the vehicle.

The **solution** is the use of Resistive sparkplugs, that can be recognized from an "R" in their part number, as for the examples below:

**Resistive** sparkplugs

- NGK **BR**10EG
- Brisk **LR**09S
- Bosch **WR**07CS

## Non resistive sparkplug

- NGK **B**10EG
- Brisk **L**09S
- Bosch **W**07CS

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Alternative workarounds which may reduce the problem are:

- the use of resistive/shielded spark caps
- the reduction of coils around the sparkplug cable of RPM pickup wire
- to cut the RPM pickup wire, then match the two wire far ends and tape them together (following image; **isolate them completely**) in order to reduce the signal intensity. If the signal should be too low, increase the number of coils around the sparkplug cable of RPM pickup wire

