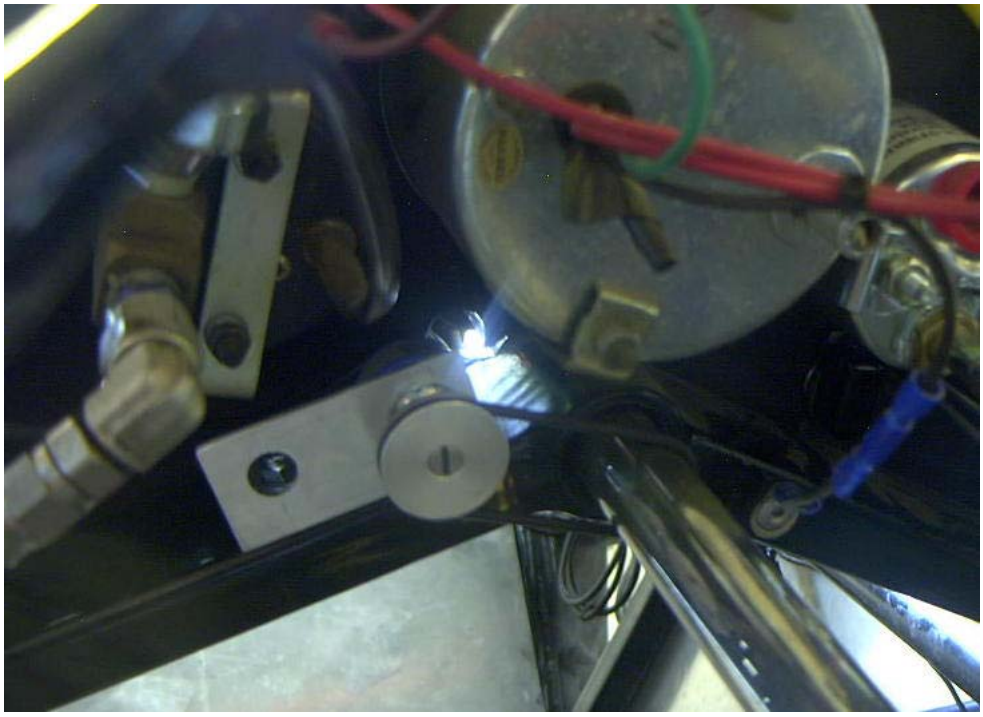
AIM EVO3 installation on Crossle 35F Formula Ford

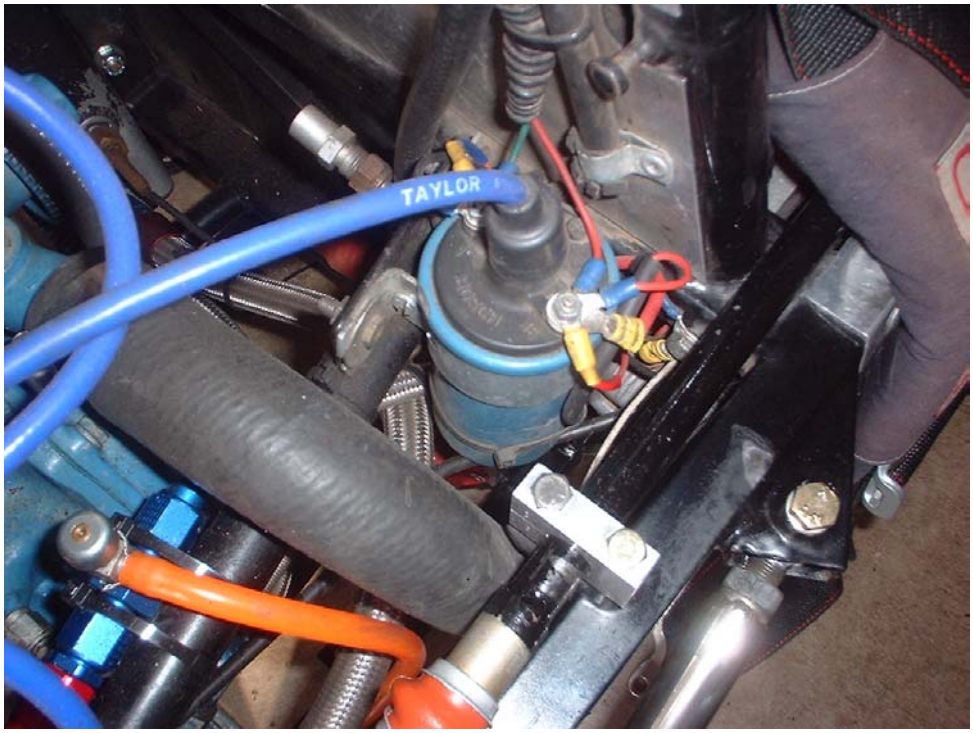
The box is attached with Velcro – soft side on the car, hooks on the box.

Steering sensor

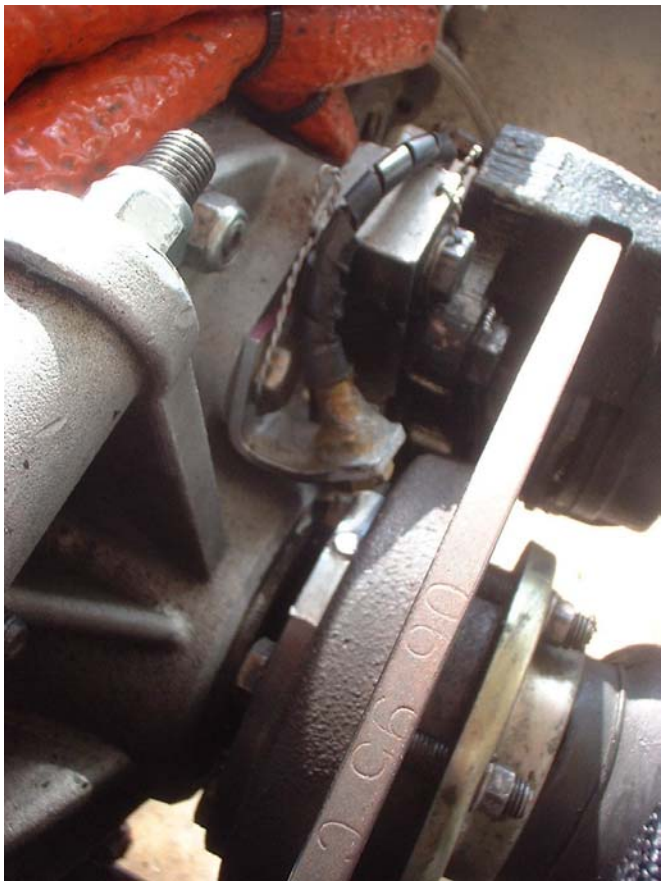


Note: The o-ring sensor was subsequently replaced with a toothed belt due to constant slippage.

RPM attachment



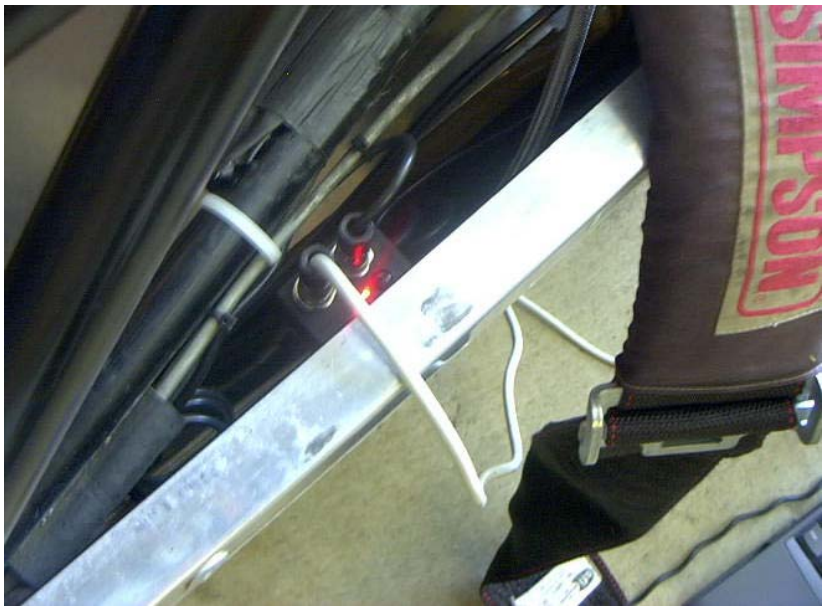
Speed Sensor – Rear wheel



The huge magnet supplied with the sensors was replaced with a very small and powerful 'traction magnet' designed for slot cars. It's strong enough to hold itself onto the gearbox output flange, but was eventually covered with silicone for peace of mind. In the picture it is covered with aluminum tape.

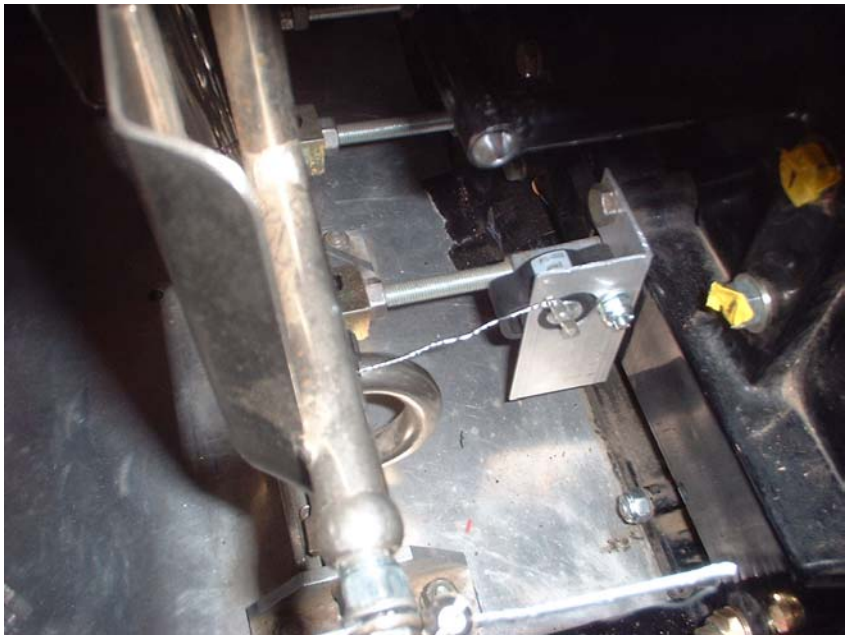
A front wheel sensor was added later as the rear wheels suffer from wheelspin. This causes difficulties comparing one lap with another, as the software is confused by additional 'distance travelled' as the rear wheels spin.

Connector box



IR receiver

Throttle sensor



A sprung-loaded throttle position sensor was used – attached to the pedal with safety wire. As the pedal is depressed, the sensor arm is pulled back by the internal spring.

A stronger arm was subsequently used after the flimsy standard one was broken.

Display

Exhaust Gas Temperature