

Installation

Your Tachometer Plus comes complete with the following items:

Tachometer Plus with holder

Ignition cable with cable ties

Temperature sensor with silicone sheath and fibre washers

Magnetic strip sensor with fixing bolt and magnet for testing

Registration card

Mounting

The Tachometer Plus can be mounted in any suitable position using the holder supplied if required. Holes are provided for steering wheel mounting or a 'dash' location can be used if required. The holder comes as 2 parts and is held together with 2 small bolts once the Tachometer Plus has been positioned.

Ignition Pick-up

Mount the ignition cable with care. Normally 5 to 10cm of cable is positioned adjacent to the Ignition lead of the engine. See diagram. This is varied so as to give a good pick-up signal without overloading the internal circuitry of the Tachometer Plus. If on the other hand insufficient signal is picked up then the engine Revs may appear irregular or miss altogether for some periods of time. Try to reduce the amount of ignition pick-up cable that runs close to the Kart chassis, as this will leak the signal away. If necessary attach it to the Kart seat which is an insulator and reduces the signal leakage. Remove excessive lengths of pick-up cable. At the Tachometer Plus end thread the pick-up cable through the 2 holes as per the diagram.

Temperature sensor

The temperature sensor is designed primarily to fit into the cylinder head of water cooled Karts. The thread is 27tpi taper (very close to 1/8 BSP). It is supplied with 2 fibre washers. Initially you may find you require both as the thread is tapered. Should it become more used you may only require 1. Most cylinder heads are aluminium and if used frequently the thread may enlarge! Avoid sharp bends in the cable. This cable has a small co-ax connector and connects to the **connector closest to the ignition pick-up** on the Tachometer Plus. It has a red sleeve to identify it and a red dot on the Tachometer Plus case next to the connector.

Strip sensor

The Magnetic strip sensor is mounted inside an anodised aluminium housing. It too has a silicone sleeve for protection. Mount the sensor on the aluminium floor pan and pointing in the direction of travel as shown. Preferably on the opposite side to the engine and in front of the fuel tank not too close to the steel chassis of the Kart. Plug the connector into **the lower most connector** of the Tachometer Plus. You can use the small test magnet provided to check for correct operation. This magnet is however not nearly as powerful as those you will find embedded in Kart tracks and will have to be positioned almost in contact with the sensor housing in order to simulate a lap timing strip.

Safety

Secure all cables properly to your Kart. Always check your steering from lock to lock before using your Kart. Test your brakes.

Have fun.

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