

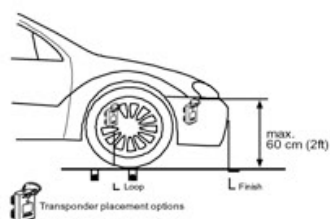
3. Transponder Installation/ Operation

3.1 Installation of the transponder

The TranX260 transponder is available in a battery-powered and Direct Powered (DP) version. The battery-powered transponder can be recharged in a single charger or 34-position charger case.

Positioning the transponder

The position of the rechargeable or Direct Powered transponder is identical. The position of the transponder must be identical on all cars or motorcycles competing in the race. Fix the transponder vertically, max. 60cm (2ft) above the track for cars and 120cm (4ft) for motorcycles. Make sure that the transponder has a clear view to the track with no metal or carbon fiber beneath it. Maximum operating temperature should not exceed 122F/50°C.



Please note that: The front wheel well is the preferred position.



Figure 3.1 Transponder placement

3.2 Charging instructions

The following paragraphs will describe how to charge your TranX260 rechargeable transponder.

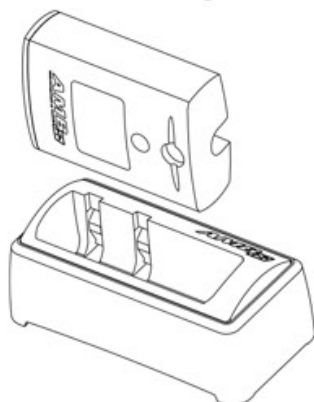


Figure 3.4 : Charging cradle

Connect the adapter to the individual charging cradle or to the 34-position charger case, place the transponder(s) inside and connect it to the appropriate power source.

When charging, the transponder's LED will flash red indicating the transponder is charging. A steady green LED indicates that the transponder is fully charged after approx. 14 hours.

Usage

A full charge yields a minimum of 4 days use. The number of green blinks of the LED is the MINIMUM number of days before the battery is empty. When the LED blinks red, the transponder will work less than 24 hours. A steady red light means the transponder could stop working at any moment.

Installation of the Direct Powered transponder

Make sure that the transponder is mounted using pop rivets or screws on all four positions on both sides of the transponder. Use additional tie-wraps for securing the transponder and cable.

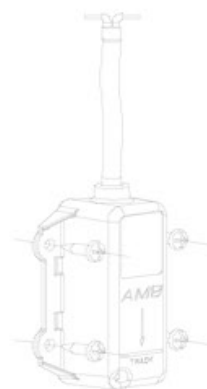


Figure 3.2 Fastening the Direct Powered transponder

Power/ Polarity

Connect the red wire to the +12V (fused circuit) and the black wire to ground (chassis). If the transponder is correctly installed and there is 12V present on the wires, the LED lights continuously.

Sleep mode

A charged/functioning transponder can be put into a sleep mode by placing it in an unplugged charging cradle or charger case. Normal functioning resumes when it is removed from the cradle. While in Sleep mode, the transponder will last up to 3 times longer during a single charge-discharge cycle. The sleep mode is designed to turn off the transponder's signal output and save battery life. It is necessary to use the Sleep mode when travelling by airplane to adhere to airline regulations.

Advice

Charge the transponder once every 3 months. Do not charge longer than necessary as this will reduce the life time of the battery. Doing so voids your warranty.