



AB Slotsport

Dedicated to supplying the best Slot Racing Products to Racers Worldwide

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Getting the most from your FK motor Cars

FK motors provide a great opportunity for low cost racing in both 1/32 and 1/24 scale, however, due to low torque it is essential to ensure that your drive train is as friction free as possible to get the most from your motor. That is where a Digital Tacho comes in really useful. It's not only the axle and bearings that can cause loss in the drive train. Badly meshing or worn gears can cause an alarming loss in top motor revs. When you have run your motor in , check the free revs by attaching a 2mm adapter to the shaft and running the motor at 10 volts (this should only be done for around 10-15 seconds to get a reading). Write down the reading. Now install the motor with your chosen gear ratio. Once complete, attach a 3/32" adapter to the axle and check revs at the axle at 10 volts. Multiply this figure by your gear ratio (say 10/37 = 3.7). If the result is more than around 200 rpm different to the free motor revs, you have a problem, either with too tight (or loose) gear mesh or worn gears, as tight or out of line bushings, worn pinions and spur gears, bad gear mesh etc. can result in anything up to around a 2000 rpm loss at the wheels.