

## IMPORTANT HV-MAXX GEARING UPDATE

### IF USING HV-MAXX IN TRAXXAS E-MAXX

#### **DO NOT USE STOCK E-MAXX GEARING!**

This WILL overheat the motor with constant thermal overloading that will result in motor system thermal shut-downs that will eventually damage the motor's magnet & rotor.

**This type of damage will NOT be covered under warranty!**

Use the following gear ratios instead of the ones listed in the instruction manual on the *HV MOTOR/WIRING SHEET*. If you do not gear the E-Maxx correctly, motor damage will occur!

Batteries	Final Gear Ratio* (no lower than)	Spur Gear	Pinion Gear
two 6-cell packs	24.5 : 1 (2nd gear)	70	14
		74	15
two 7-cell packs	28.6 : 1 (2nd gear)	70	12
		76	13

\*These gear ratios are based on using the stock size tires. If you are using larger than stock tires, the gear ratio **MUST BE INCREASED** accordingly (bigger spur gear or smaller pinion gear).

This gearing will give the E-Maxx better acceleration, better lap times at the track, and the motor will run cooler. The main concern is to avoid overloading the motor to the point the system goes into thermal shut-down. **If thermal shut-down occurs, go down 1 or 2 teeth on the pinion, or go up 2 or 3 teeth on the spur.** Airflow over the motor also makes a huge difference for overheating problems.

**If gearing the truck up for speed runs, just don't run it to the point of thermal shut-down.**