

Applicable Models

- TG400R, TG400RS, TG600RS, TG900RS & Bandit

Topgun Mobility scooters are fitted with Curtis-Wright PG series Motor Controller which are the premier brand of Motor Controller for Quality, Technology and Reliability. The controllers are highly adaptable to any combination of Motor, Transmission and Scooter due to their ability to have their internal settings tailored to every application.

However, care must be taken when changing controllers between scooters, or installing new / upgraded controllers, that the internal controller settings are correct for the Motor used in your application.

Most Significantly, the “Motor Compensation”, measured in units of electrical resistance (Ohms) must be set to the correct value for the installed motor.

An incorrect “Motor Compensation” value can result in any of the following Symptoms.

- Jumpy or erratic driving
- Shuddering, Chattering or rapid pulsating of motor power
- Reduced Motor Power
- Motor &/or Controller overheating
- Scooter continuing to drive momentarily after releasing Wig-Wag controller
- Jerking between forward and reverse

Any of the internal settings, including Motor Compensation can easily be adjusted with the use of a PC Programming Cable.

In some cases, certain models of scooters have been fitted with upgraded motors through their production run, so changing a controller from one scooter to another of the same model may still require the motor settings to be adjusted to suit the application.

Always Check the parameters are correct when installing a new controller, whilst it is incumbent on the installer to check settings, we are here to assist.

