X89 Standard, X89 Drag and X89 Pro ESC
Product Testing

At KC Racing, we work hard to ensure every product we sell is free from manufacturing defects. With ESCs, a simple visual inspection isn't enough, so each X89 ESC goes through a complete validation process.

1. Firmware Validation – At the time of firmware installation, the load software confirms that the firmware has been properly installed on the MCU of the ESC.

2. Power Stage Testing – Is tested by running the ESC connected to a BLDC, verifying that the motor operates correctly under ESC power.
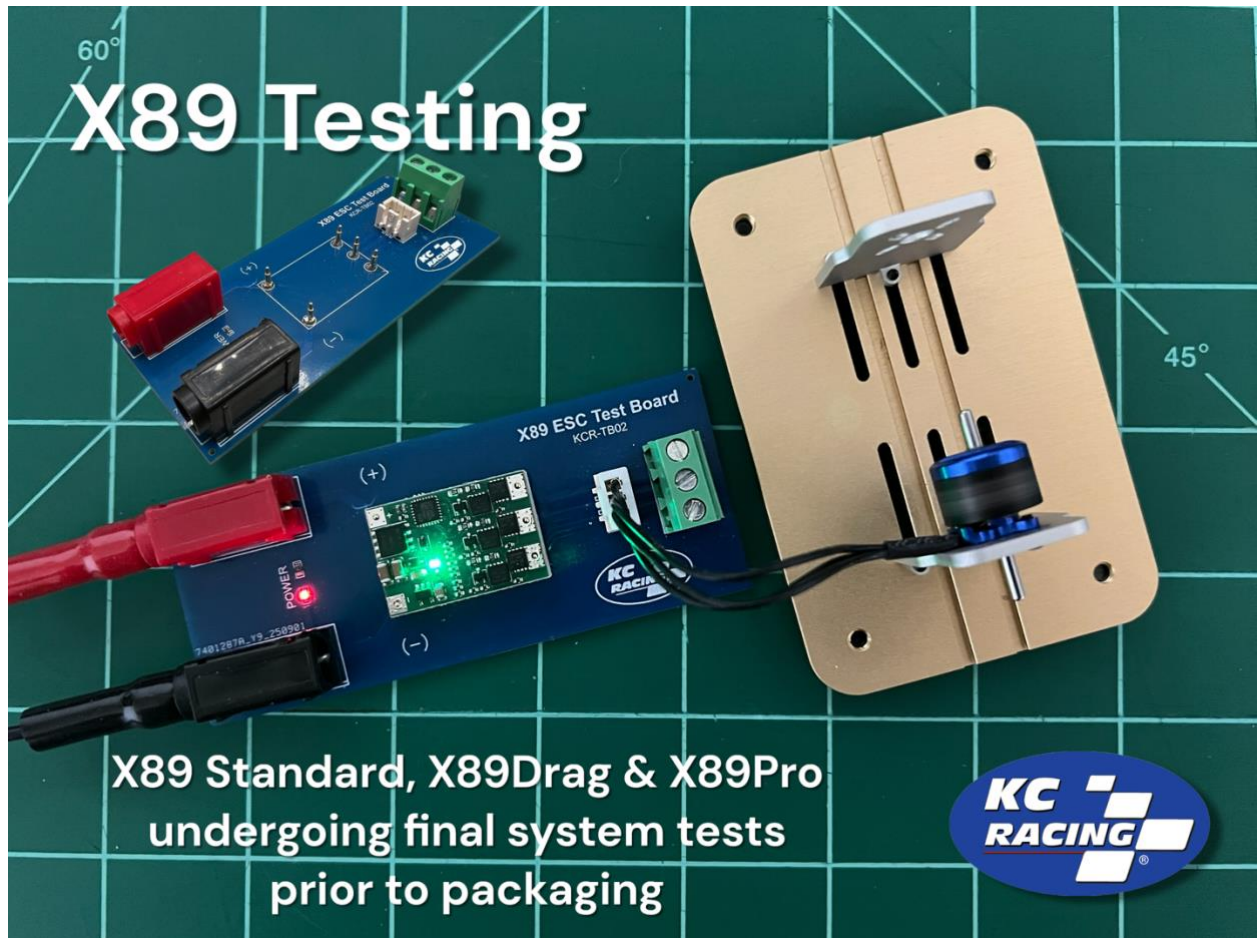

Photo – X89 ESC under final test

To this end, every X89 ESC is fully QC tested for assembly quality, firmware loading, and brushless motor operation. This ensures that each unit is 100% functional and free of manufacturing defects when shipped.

Failures that occur after shipment are not the result of manufacturing defects, but rather from factors such as poor or improper soldering, incorrect installation, unsuitable gear ratios causing excessive heat or cogging, track debris, user modifications, crashes, abuse, or lack of maintenance.

To help racers avoid these issues, we provide a series of Tech Bulletins available on our website: www.KCRacing.net/Tech.