

High Frequency Hyper Digital Electronic Speed control

Please read this manual carefully for safe use of this product.

1. Note on Usage " In this manual, warnings are classified into two levels depending on the severity of " the danger posed by failure to observe the proper procedure, as follows "

Warning! Failure to observe the matter discussed in such an item poses a serious threat of danger or severe injury.

•This product is only designed for use with radio controlled models. •Do not use for any other purpose. •Ensure all equipment is connected correctly. Loose connections may cause loss of control. •Ensure other users are not operating on your frequency before turning on the power switch. Interference may be caused if other drivers are using the same frequency. •Do not use the model during thunderstorms - there is a possibility of lightning striking the antenna. •Do not use the model in the rain or in a location where water might get on it. The unit may become wet and cause loss of control. •Do not run the model when you experience difficulties in concentration through tiredness, alcohol or medication. The misjudgment may result in an accident. •Ensure Ni-cd battery is disconnected after use. Accidental switching on of the unit may cause fire or cause the model to tun out of control. •When storing the transmitter, batteries and model, ensure they are kept out of children's reach. Do not allow to come into contact with chemicals.

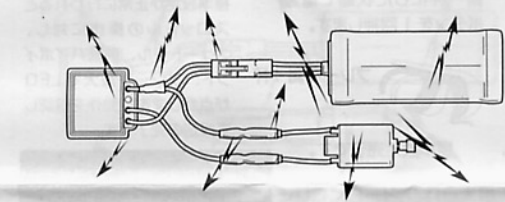
Caution! Failure to observe the matter discussed in such an item poses a possibility of injury and a great likelihood of damage to the equipment or property.

•Do not short-circuit the battery terminals. It is dangerous and could cause a fire or explosion. •Ensure genuine KO Propo products are used for transmitter, receiver, servo and other option parts. We cannot assume any responsibility for the use of other company's products with this unit. •Always switch on the transmitter first, then the ESC, when turning off after use, always switch off ESC first followed by the transmitter. •Otherwise receiver catches the noise and the car may run out of control. •Do not touch the motor or ESC as heat is generated and may result in burning.
"From the view of quality for radio controlled model, we cannot assume any responsibility for the result by use of our products, please understand in advance."

Installation

Attach KSC-1200F to chassis plate using double sided tape.
 "In case of crash during use, always install the switch in a safe place"

Caution! Install KSC-1200F away from antenna lead or receiver (especially crystal position).

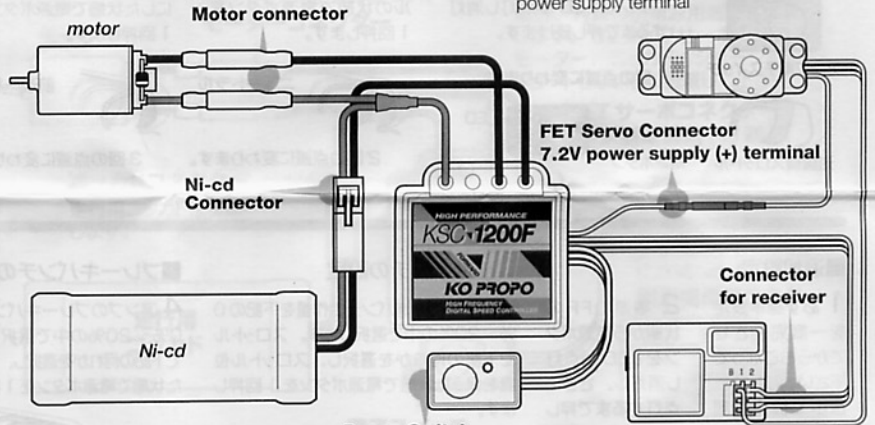


Note that where electrical currents that can cause noise exist i.e. motor, speed controller, Ni-cd, and cables, the antenna must be routed away from such devices to prevent possible interference. Location of a high frequency speed controller requires careful attention to these factors.

Join the connector

Connect to Motor
 Red to (+)
 Green to (-)

In case of connecting KO Propo 7.2V servo, connect* to blue-coloured extra power supply terminal

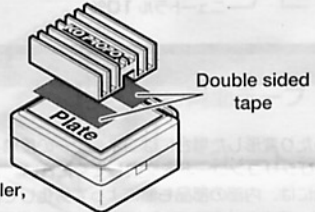


Warning! Ensure all connectors for the receiver, servo and switch are plugged together correctly.

Overheating

High temperature will make speed controller inefficient. In order to ensure best conditions by controlling increased temperature, it may be necessary to install heat sink and to make a ventilation slot in the bodyshell.

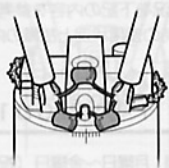
Installation of Heat Sink
 For safety, please disconnect Ni-cd battery. Remove dust and dirt from heat sink (using alcohol cleaner). Attach double sided tape to heatsink before attaching to plate.



Heat by overload will activate the heat protector within the speed controller, which will stop operation to prevent further problems.

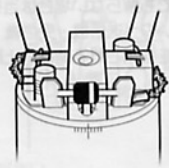
Motor Maintenance

Installation of noise filter condenser
 KSC1200F is a High Frequency Speed Controller. In order to control high frequency noise, install noise filter condenser to motor before use.



Installation of included schotki diode

Schotki diode has polarity, install marked side to positive connection. (In this case, positive terminal is for the connection of red wire from the speed controller)



Caution! Ensure correct set up of correct gear ratio, motor or rotating parts.
 ★Heat protector will be activated and cause the speed controller to stop operating.

Caution! ★correct connection of schotki diode will damage the speed controller and may render it unusable.

Caution! ★After the initial installation, ★be sure to perform normal set up procedure. Without normal set up procedure, the unit may not work correctly.