

RS RS Pro Forward / Brake /Reverse

10th SCALE **BRUSHLESS** / **BRUSHED**

ELECTRONIC SPEED CONTROL



- Adjustable Drag Brake/Reverse Type
- Voltage Cutoff for LiPo Cells
- Brushed or Brushless Moto
- QuickTuneTM Digital Setur nsored and sensorless operatio

Congratulations and thank you for purchasing the RS/RS Pro, Tekin's High performance sensored 10th Scale Brushless/ Brushed Motor Electronic Speed Control. The RS series represents a Hybrid solution to sensorless and sensored technologies, providing all the features and robust design qualities of the R1 speed control with the reliable drive capability of a sensored system. Get ready to RACE!

By far, the fastest and easiest way to get up and running is to watch Tekin's online instructional videos at www.teamtekin.com.

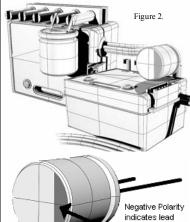
Figure 6——-Brushless Connection Diagram Figures 7 & 8—Brushed Connection Diagram CAUTION: The following statements need to be understood

before using the RS/RS Pro:

- Do not operate speed control in or around water.
- protection.

The RS series is intended for 10th scale or smaller vehicles.

CAUTION: A power capacitor is supplied with the RS Series (TT3520) and MUST BE MOUNTED on the speed control for proper operation (Fig. 2). Failure to use the power capacitor can cause irreparable damage to the speed control.



(+BATT) and Battery Negative (-BATT) posts on the speed control, with the capacitor wires cut as short as possible. The capacitor polarity is indicated on the top of the capacitor by a colored half-circle which is the -BATT connection (Fig. 3).

INSTALLING THE

The capacitor should

be mounted directly to

the Battery Positive

POWER CAP:

Figure 3.

OLDERING CONT

ATTACHING WIRES TO THE BATTERY:

The same techniques described in the preceding section may be used to solder the wires to the battery or to battery connectors.

IMPORTANT: Take precautions if removing factory battery connectors. Connecting the battery backwards will cause damage, and will void warranty. When soldering connectors to a battery pack, cut only one wire of the battery pack at a time to ensure that the exposed wires cannot short together.

HINT: If you are using connectors for both the battery and the motor, make sure that they are not the same or that you have a male and a female attached to the speed control wires. That way, you cannot accidentally connect the battery to the motor wires or vice versa.

- Make sure that the connector ends will be mated together correctly, male to female, and that the wire colors match—red to red and black to black.
- Solder the wires from the speed control to each of the connectors, then solder wires from the battery to each connector's mate.

ATTACHING WIRES TO THE MOTOR:

into the 3 female connectors on the ESC.

Channel 1: Servo

Channel 2: Speed Control

control match the chart below then connect.

The same techniques described in section 5 and 6 may be used to solder the wires to the motor.

HOOKUP INSTRUCTION

HINT: If you plan on frequently switching from Brushless Motor

operation to Forward Only Brushed, a connector that simplifies this

can be constructed. Join 3 male Hi-Power connectors into 1 piece

terminal (Fig.5). You can now plug the 3 male connectors directly

of wire, then attach that wire to your Brushed motor's negative

FACTORY RESET

The RS series has a built-in factory reset mode that resets all user orogrammable settings to the default values. To activate, turn the speed control on, then press/hold INC button and then press/hold MODE button simultaneously for 3 seconds. After 3 seconds the EDs will ramp up in sets of three. NOTE: Activating the self-tes node also resets all the radio calibration settings to their default

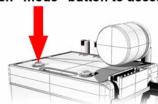
NOTE: Before Radio Calibrating, ensure speed control is hooked up to the receiver, a charged battery is properly connected, and the ransmitter is turned on. On your radio, set all trim adjustments to he middle, throttle/brake EPAs and Dual Rate set to max and ensure that your throttle direction is set to "normal"

Calibration is really very simple, you just press and hold the MODE outton for 3 seconds to enter radio calibrate, let the speed control find" your neutral, then let it "find" your full throttle and full brake. If you are unsure how to perform this procedure, follow the letailed steps outlined below. After calibrating to your radio, when he speed control power switch is turned ON the unit will begin ooking for the neutral signal. If a neutral signal is found the Armng Sequence (flashes LEDs/chime) will occur followed by LED4 on, then flashing to LED1. HINT: Once calibrated, the LEDs on he speed control will advance as the throttle or brake is applied.

OuickTuneTM

Tekin's OuickTuneTM

Push "mode" button to access:



Drag Brake **Brake Strength Current Limiter Neutral Width Throttle Profile** Moto Type **Voltage Cut Off**

Push "INC" button to adjust the values of each mode

QuickTune Example: Let's say you want to use a 2 cell LiPo

battery. To change the Voltage Cutoff from the default setting (1 = None) to setting 2 (2 = 6.0 Volt Cutoff), first follow step 1

above by pressing and releasing the MODE button 7 times.

Now press and release the INC button, the LED should show

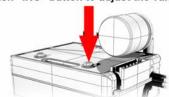
and the LED will move to position 2, indicating that Voltage

HINT: If you wish to set another Program Feature, press the

"MODE" button again. After 5 seconds pause, the values you

Cutoff is now set to 6.0 Volts. Wait 5 seconds and the ESC

the current setting of 1. Press and release the INC button again



STEP 2

STEP 1



Turn on Radio and then your RS/RS-Pro

centered for NEUTRAL

wait for chime

STEP 3.

LEAVE Trigge

STEP 4. **PULL Trigger**

wait for chime



Press MODE button for 3 seconds

Fwd/Brk or Fwd/Brk/Rev

to full THROTTLE



STEP 5,

for full BRAKE

wait for chime

selected will be saved in memory and the speed control will resume normal operation.

returns to normal operation.

PIT TUNING: If you are in the pit area and cannot use your transmitter you may use pit tuning mode to adjust settings by following this procedure: Unplug the steering servo from the receiver to avoid servo damage. Hold down either MODE or INCR button while turning the power switch on. LEDs will ramp up and down in sequence indicating you are in pit tune mode. The user settings will be active, but the motor will not run and the speed control will not respond to receiver signals. Turn the speed control power off and back on to resume normal operation

- Do not hook-up the battery backwards! No reverse voltage
- Turn on the transmitter first THEN turn on the speed control.
- Disconnect battery from speed control when not in use.
- Insulate exposed wire with heat shrink tubing to avoid shorts.

Plan Speed Control Placement

- Choose a location for the speed control that is protected from debris. To prevent radio interference place the speed control as far away from the radio receiver as possible and keep the power wires as short as possible. Plan on routing power and motor wires away from the radio receiver and radio wires.
- For best results clean the bottom of the speed control and chassis. Peel off the cover on one side of the doubled-sided tape, (included) and stick to the bottom of the speed control. DO NOT peel off the other side yet.
- Use a small piece of double-sided tape on the ON/OFF
- Determine how you would prefer to connect the motor and battery pack to the speed control. For the motor, using connector pairs such as Tekin's 4.0 mm Hi-Power Connectors #TT3054, is preferable for most applications as it allows you to easily change motors (Fig.1). For the battery, consider where your pack sits and how much wire will be needed to attach to the speed control.



SOLDERING

TIPS & TRICKS: Place the speed control on its side and use

servo tape to secure it to the bench. Doing so provides a stable

work area and allows easy access to the solder posts (Fig. 4). A

good rule of thumb is that if a wire is to hot to hold at about 2

to long—stop, let everything cool, then try again.

Heat Posts

Heat Wire

THEN heat both

nches out in the wire, then the soldering iron has been on the joint

ATTACHING WIRES TO THE SPEED CONTROL:

- Red wires are usually used to connect the speed control to the positive battery terminal and the positive motor terminal Black wire is typically used for the battery negative terminal. Inspect the sticker on the speed control or refer to the diagrams to determine which color wire to attach to each post.
- Strip back the insulation of the wire by about 3/32" to 1/8" and "pre-tin" the wire by heating the end and applying solder until it is thoroughly covered. **CAUTION:** Be very careful not to splash yourself with hot solder.
- Place the tip of the iron in the notch on top of the post and apply a small amount of solder to the post. When the solder has flowed, remove the soldering iron, wipe the tip clean and apply a small amount of fresh solder to it.
- Hold the wire so the tinned end is in contact with the notch of the post. Now touch the iron tip to the wire and the post. Wait about 2 seconds for the solder to flow, and then remove the iron while still holding the wire. You may let go of the wire after a second or two when the solder sets.

HOOKUP INSTRUCTION, CONT

Visually verify that the connector on the battery pack and the speed

CONNECT SPEED CONTROL TO RECEIVER

Plug the speed control into the throttle channel of the receiver.

"REMEMBER: 1 to Turn, 2 to Burn"

CONNECT SPEED CONTROL TO BATTERY

DO NOT CONNECT BATTERY INCORRECTLY TO SPEED CONTROL, VERIFY THAT THE BATTERY POSITIVE WIRE WILL CONNECT TO THE SPEED CONTROL POSI-TIVE WIRE BEFORE CONNECTING!

ESC	BATTERY
(B-) Black Wire	(-) Negative
(B+) Red Wire	(+) Positive

- CONNECT SPEED CONTROL TO MOTOR. First, determine if your motor is Brushless or Brushed type.
- If using a "SENSORED" motor, connect the sensor wire from ESC to the motor. If running unsensored, remove the sensor wire from both the RS/RS Pro and the motor.

SPEED CONTROL	BRUSHLESS MOTOR		
(R) Red Wire	(A) Red		
(W) White Wire	(B) White		
(B) Black Wire	(C) Black		

SPEED CONTROL	BRUSHED MOTOR	
(B) Black Wire	(-) Negative	
(R) Red Wire	(+) Positive	

EED CONTROL SPECIFICATIO

Controls, RS/RS Pro

Input Power (Cells) RS	4-9 NiCd/NiMh (2-3S LiPo)		
Input Power (Cells) RS Pro	4-9 NiCd/NiMh (2-3S LiPo)		
Motor Limits, RS			
Brushless	5 Turn, 36mm Can		
Brushed Fwd Mode	8 Turn		
Brushed Fwd/Rev Mode	10 Turn		
Motor Limits, RS Pro			
Brushless	No Limit, 36mm Can		
Brushed Fwd Mode	No Limit		
Brushed Fwd/Rev Mode	No Limit		
On Resistance, RS			
Brushless	0.0003 Ohms		
Brushed Fwd	0.0001 Ohms		
Brushed Fwd/Rev	0.0003 Ohms		
On Resistance, RS Pro			
Brushless	0.00015 Ohms		
Brushed Fwd	0.00005 Ohms		
Brushed Fwd/ <mark>Rev</mark>	0.00015 Ohms		
Max Current			
RS/RS-Pro, Brushed Fwd.	312 Amps/624 Amps		
RS/RS-Pro, Brushless Per Phase	104 Amps/208 Amps		
BEC	6 Volts, 3 Amps		
Dimensions, RS	1.0 x 1.3 x 0.45 In. (25 x 33 x 12 mm)		
Dimensions, RS Pro	1.0 x 1.3 x 0.65 In. (25 x 33 x 16.5 mm)		

Quientune models				
MODE	RANGE	DEFAULT		
DRAG BRAKE (DB)	1-13	1 (No Drag)		
BRAKE/REVERSE STRENGTH (BS) —Brushlesss Mode Only	1-13	4&5		
PUSH CONTROL ANTI DRAG (PC)—Brushed Mode Only	1-13	1 (Off)		
CURRENT LIMITER (LIM)	1-13	13 (No Limit)		
NEUTRAL WIDTH (NW)	1-13	4&5		
THROTTLE PROFILE (TP)	1-6	3 (Linear)		
MOTOR TYPE (MT)	1-6	3 (Brushless) (Fwd/Brk/Rev w/ Delay)		
VOLTAGE CUTOFF (VC)	1-4	1 (NONE)		

LED Display: The LEDs light bar displays values in several ways: One LED shown at a time indicates a value range of 1-7. One or two LEDs that "walk" up the display can show a greater range of 1-13 values. Critical Settings (Motor Type and Voltage Cutoff) are indicated by multiple lights, making it easier to verify correct settings-pay close attention to these when adjusting.

LED1: DRAG BRAKE provides immediate braking action in the neutral zone. This gently slows the car down when you let off the trigger. Higher values increase the degree of drag braking.

LED2 (IN BRUSHLESS MODE): REV/BRAKE STRENGTH adjusts your maximum brake strength and reverse speed when in brushless mode. Higher

values increase brake strength and increase reverse speed. LED2 (IN BRUSHED MODE): PUSH CONTROL or ANTI-DRAG overcomes the natural drag of a brushed motor when throttle returns to neutral. This setting eliminates the need to trim the throttle forward to create a coasting (pushing) effect. Low values give you a short duration push, higher values a longer duration

LED3: CURRENT LIMITER adjusts the throttle response during acceleration, gentle to abrupt. Low values allow low amounts of current to pass to the motor, higher values allow higher amounts of current. The highest value (13) turns off current limit.

LED4: NEUTRAL WIDTH adjusts your dead band around the neutral point. A low neutral width value provides more sensitive trigger response around

neutral. A higher value allows you to move the trigger slightly before throttle or brake is engaged.

The HotWire PC Interface (TT1450) unlocks the full potential of your Tekin Speed Control, much more than just a pretty interface to your user-adjustable settings. When you connect the HotWire to your speed control you can download and install the latest software revisions as improvements and features are added to the speed control design. Further, because Tekin continually seeks to push performance levels, we occasionally releases Beta Version Software. With the HotWire you can, if you so choose, elect to join the team and become part of our Product Research and Development at Team Tekin.

The HotWire also allows you to adjust several hidden features not accessible through the on-board programming, such as userdefined Custom Throttle Profiles, Custom Voltage Cutoffs and adjustable timing. Another feature is the ability to save and reload settings. If you want to recall the settings that helped put you in the A-Main last time, you can save your settings, then later instantly tweak your speed control to revert to that particular track and specific driving conditions. If you feel like leveling the playing field, you can share your custom settings with a friend.

Even better, downloadable speed control configurations from our top-level drivers give you access to the exact speed control settings that they have used in specific setups and for particular races! Check it out at www.teamtekin.com/HotWire

The RS series speed control is capable of running all brushless mo tors in sensorless mode. In sensored mode the default used is Tekins D2 technology, this "Dual Drive" allows the speed control to start out in sensored mode then switch to sensorless mode while at higher rpms. Dual Drive mode uses mechanical/motor timing at start up then uses software driven timing after the start up routine has phased into sensorless drive. There is also a sensored only mode, this mode only uses the mechanical/motor adjusted timing during its entire run.

With Tekins RS series speed control you can quickly verify your speed control and motor are communicating properly simply by observing the RS LEDs to the right (5, 6 and 7). If the RS speed control is reading the motors sensors, LEDs 5, 6 and 7 will dimly light up in a sequence corresponding to the rotation of the shaft. This indicates that all sensors with in the motor are functioning correctly and the system is ready to roll. Should one sensor go bad during the course of a run the RS switches into sensorless mode, enabling you to finish out the race!

If you are not seeing LEDs 5, 6 and 7 dimly light up in a sequence: -Check that your sensor wire harness is secure. Insure that there are no broken pins or a damaged wire harness. ·Cross check with another sensored motor. This will tell you whether or not you have a damaged hall effect sensor with in the

Brushless

Sensored

Motor Type Settings
1. FWD/BRK

FWD/BRK/REV

FWD/BRK/REV Delay



Figure 6.

For RS/RS Pro Brushless Connection, Refer to Figure 6.

- Connect the battery pack: BAT (+) to the speed control BAT (+) then BAT (-) to the speed control BAT (-).
- **IMPORTANT:** Before connecting the motor, determine if the motor is sensored or sensorless and that you have the correct motor type selected on the speed control.
- Select Motor Type: Press and release the MODE button 6 times to get to the MOTOR TYPE selection in the user settings. Press and release the INC button once to view the current motor type selected (brushless types are indicated by LEDs 1-3 lit). If necessary, continue to press and release the INC button to scroll through the motor types until brushless motor type is selected.
- Wiring: Connect A, B and C wires from the motor to the A, B and C posts on the Speed Control, verify this is correct for proper function. Determine whether you would prefer to use connectors from speed control to motor and from speed control to battery. Refer to the instructions in the Soldering section of this manual for more information and refer to Figure 1
- Power off the speed control and connect the motor wires, matching colors appropriately.
- Power on the speed control, listen for the arming chime. Congratulations, you are ready to drive!

ADJUSTMENT MODES CONT.

LED5: THROTTLE PROFILES

1)Mildest profile, concave (LED1 ON) 2)Mild profile, concave (LED1-LED2ON)

Linear profile Aggressive profile convex

(LED1-LED4 ON) 5) More aggressive profile, convex (LED1-LED5 ON) (LED1-LED6 ON)

User Custom Requires Tekin HotWire PC Connection

LED6: MOTOR TYPE

1)Brushless, Fwd/Brk (LED1 ON) 2)Brushless, Fwd/Brk/Rev (LED1-LED2 ON)

Brushless, Fwd/Brk/Rev Delay (LED1-LED3 ON) Brushed, Fwd/Brk (LED1-LED4 ON)

5) Brushed, Fwd/Brk/Rev (LED1-LED5 ON) Brushed, Fwd/Brk/Rev Delay (LED1-LED6 ON)

LED7: VOLTAGE CUTOFF

IMPORTANT: If using LiPo batteries, DO NOT operate your vehicle with the factory default Cutoff Voltage

NONE(LED1 ON). For NiCd/NiMh Cells.

6 Volts(LED1-LED2 ON). Use for 2 Cells LiPo (2S)

9 Volts (LED1-LED3 ON). Use for 3 Cells LiPo (3S) Custom (LED1-LED4 ON). HotWire required

HINT: When powered on, the ESC emits an all-systems-go chime if it is connected correctly to the motor and radio.

NO LIGHTS COME ON

Check for dead batteries or reverse battery connection. Check the connections between the batteries and the speed controller and that the switch is in the "ON" position. Verify that there are no bad connections at the speed controller.

ALL LEDs FLASHING

No radio signal can be found. Check receiver connection and verify that ESC is plugged into correct channel. Verify transmitter and receiver are functioning properly.

BOTTOM OR TOP 3 LEDs FLASHING

Radio signal found, but neutral point from transmitter is out of expected range. Speed control not calibrated properly or radio settings have been changed. Adjust trim and recalibrate speed control as described in the Radio Calibration section.

SERVO AND THROTTLE DEAD

Check for dead batteries, bad battery connections to speed control, bad receiver plug connection, broken power switch, broken wires, bad or mismatched crystals, or bad radio equipment. Check that servo plug is not shorting to the speed control plug and that speed control is plugged into THR (CH2).

Brushed Motor Wiring Diagrams

Forward Only



Motor Type Setting 4. FWD/BRK

Figure 7.

Forward and Reverse



Motor Type Settings 5. FWD/BRK/REV 6. FWD/BRK/REV Delay

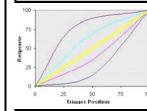
Figure 8.

wrong Motor type selected

For RS/RS Pro Brushed Connection, Refer To Figs 7 or 8. Connect the battery pack: BAT (+) to the speed control BAT (+) then BAT (-) to the speed control BAT (-).

- **IMPORTANT:** Before connecting the motor, first plug the speed control into the receiver, connect a charged battery, then power on your transmitter. Turn on the speed control and perform a radio calibrate.
- Select Motor Type: Press and release the MODE button 6 times to get to the MOTOR TYPE selection in the user settings. Press and release the INC button once to view the current motor type selected (brushed types are indicated by LEDs 1-4, 1-5, or 1-6 lit—See Adjustment Modes table for motor type details).
- Forward Only Wiring (use only Motor Type 4): Refer to Fig. 7 and the instructions in the Soldering section of this manual. Connect all 3 speed control motor outputs together, then connect them to the NEG (-) terminal of the motor. Connect another wire from the motor's POS (+) terminal to the BAT (+) terminal on the speed control.
- Forward/Reverse Wiring (Motor Types 5&6): Refer to Fig. 8, connect motor NEG (-) terminal to speed control (C) post, then connect motor POS (+) terminal to speed control (A) post. NOTE: Speed control (B) is not used.
- Power on the speed control, listen for the arming chime.

THROTTLE PROFILES



Mildest profile, concave

(LED1-LED3 ON)

- Mild profile, concave Linear profile (DEFAULT)
- Aggressive profile convex More aggressive profile, convex

TEMPERATURE MONITOR

The On-Board Temperature Monitor works to provide you with important feedback on speed control temperature, helping you to adjust gearing and avoid long term heat damage. To use;

- The speed control must be calibrated to your radio and the radio must be in the neutral position.
- The middle LED will be on steady then blink out every 2
- At the moment that the center LED blinks out, one or more of the other LEDs will light up.
- LEDs 1-3 lit is typical of light loads or a stock motor. LEDs 1-6 lit indicates heavy loads and is typical when running mod motors. LEDs 1-7 lit indicates high internal temperatures approaching thermal shutdown. Discontinue use until the speed control returns to normal operating temperature.

TROUBLESHOOTING CONT..

SERVO WORKS, THROTTLE DEAD

If LEDs 1,3 and 5 are flickering, it indicates that Voltage Cutoff may be set above battery pack voltage. Check that cutoff is correctly set and that battery is fully charged. Motor or connections to motor are bad. Speed control not plugged into throttle channel on receiver, or receiver plug connection is bad. May be in Pit Tune

STUTTERING UNDER HEAVY ACCELERATION

Damaged or disconnected power capacitor. Receiver bad or getting magnetic field interference. Try adding an electrolytic cap on the power supply (BATT socket) of receiver. Move power wires away from receiver. Remove any zip ties securing wires and check for kinked, broken, or damaged motor wires. Twist motor wires around each other to help suppress noise. WILL NOT CALIBRATE

Neutral on radio is set outside of the speed controls expected range adjust throttle trim and/or trigger "NORMAL/REVERSE" setting. BRAKES DO NOT WORK AT ALL

Speed control or radio transmitter improperly adjusted. Adjust EPAs on transmitter all the way out and recalibrate speed control to

MOTOR RUNS BACKWARDS

First check that your radio trigger setting is set to NORMAL, not REVERSE, then perform a radio calibration.

NO REVERSE

QuickTune mode, Brake/Reverse Type is set to option 1. QuickTune mode, Brake/Reverse Type is set to option 3 (transmitter trigger must be in neutral position for 1 second before reverse is enabled).

TROUBLESHOOTING CONT.

MOTOR WILL NOT SHUT OFF OR RUNS SLOWLY Incorrect radio calibration or throttle trim setting on transmitter. Check transmitter settings and recalibrate speed control. Moisture in speed control: Unhook batteries and let the speed control dry

MOTOR CUT OUT/POOR RANGE

Transmitter batteries are low or damaged. Mismatched crystals. The three-wire cable from speed control to receiver may be routed improperly, try rerouting. This speed control radiates very low noise and you should have no trouble with interference. If you do have interference, mount the speedo in an alternate location. Try to keep the receiver away from the batteries, power wires, metal or graphite.

THROTTLE WORKS, SERVO DEAD

Broken servo. Servo plug wiring is bad or incorrectly wired. LED's 1&2, 6&7 FLASHING

Incorrect motor type selected. Change motor type to correct

LED INDICATOR (S) ERROR DESCRIPTION All LEDs Flashing No Radio Signal, check radio system LEDs 1.2.3 Flashing Radio signal found but lower than ex pected, See Radio Calibration Section LEDs 5,6,7 Flashing Radio signal found but higher than pected, See Radio Calibration Section LEDs 1,3,5 Flashing ltage Cutoff set below battery voltage or in hi-temperature thermal shutdown LEDs ramp up then down ESC is in Pit Tune Mode nort Circuit Detected! Remove batte LED's 3&4 Flashing and check setup wiring carefully! Check servo plug. LED 4 on briefly, then flashes to Normal operation, see Temperature one or more other LEDs Monitor Section. LED1&2, 6&7 Flashing

OPERATING TIP

BRAKE STRENGTH: Reducing your brake strength helps control excess skidding during heavy braking and on loose surfaces. DRAG BRAKE: Increased drag brake settings help by allowing you to concentrate less on braking, more on driving a good line, and can also be very helpful with free-spinning slotless motors. NEUTRAL WIDTH: A tight neutral width can interfere with correct operation of Drag Brake and Push Control if your radio trigger does not return precisely to the same neutral position.

TEKIN, INC. guarantees speed controllers to be free from factory defects in materials and workmanship for a period of 120 days from date of purchase, when verified by sales receipt. This warranty does not cover: suitability for specific application, components worn by use or improper voltage, tampering misuse, or shipping. Our warranty liability shall be limited to repairing unit to our original specifications. Because we have no control over the installation or use of this product, in no case shall we be liable for damages. Additionally, these items void the warranty:

- Using the same polarity connectors on the battery and motor wires from the speed controller.
- Allowing water or moisture into the speed controller.
- Failure to attach the supplied capacitor.
- Incorrect wiring or use inconsistent with the instructions.

WARRANTY SERVICE: For warranty work, you MUST CLAIM WAR-RANTY on A COMPLETELY FILLED OUT PRODUCT SERVICE FORM and include a VALID CASH REGISTER RECEIPT with purchase date, dealer name & phone# on it, or an invoice from previous service. If warranty provisions have been voided, there will be service charges.

REPAIR: Before sending your RS/RS Pro in for service, please review the instructions and Troubleshooting sections. After reviewing these instructions your speed control still requires service, please contact our customer service epartment for additional assistance.

NOTE: Hobby dealers or distributors are not authorized to replace TEKIN products thought to be defective.

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