ITEMS INCLUDED
The following items are included with your Vendetta SC.

Chassis
Body
Decal Sheet
Instruction Manual
Exploded View/Parts Listing

YOU WILL NEED

BATTERY ADAPTER (FOR CHARGING)
DTXC2210

6-CELL 1600 MAH NIMH BATTERY
DTXC2193

ONYX™ 220 PROGRAMMABLE PEAK CHARGER
DTXP4220
**THINGS TO KNOW**

**SAFETY PRECAUTIONS**

When these safety precautions are followed, the Vendetta SC will provide years of enjoyment. Use care and good sense at all times when operating this radio controlled truck. Failure to use this vehicle in a safe, sensible manner can result in injury or damage to property. You and you alone must ensure that the instructions are carefully followed and all safety precautions are obeyed.

- Do not operate the Vendetta SC near people. Spectators should be behind the driver or at a safe distance away from the vehicle.
- Make sure to read the instructions included with the battery and charger before charging the battery.
- Do not leave any charger unattended during charging. If the battery or charger become hot at any time, disconnect the battery from the charger immediately! Failure to do so may cause permanent damage to the charger and battery and may cause bodily harm or property damage.
- Do not cover the air intake holes on the charger during charging. This may cause the charger to overheat.
- Do not allow the electronic speed control (ESC) or other radio equipment to come into contact with moisture. Water can cause electronics to short out and can cause permanent damage.
- Always turn on the transmitter before turning on the electronic speed control.
- Always turn off the ESC before turning off the transmitter.
- Allow the motor and ESC to cool before each run.

**HELPFUL HINTS**

- Avoid working over a deep pile carpet. If you drop a small part or screw, it may be difficult to find.
- Place a mat or towel over your work area. This will prevent parts from rolling off and protect the work surface.
- Avoid running the truck in cold weather. The plastic and metal parts can become brittle at low temperatures. In addition, grease and oil become thick, causing premature wear and poor performance.
- Test fit all parts before attaching them permanently.

**SPECIFICATION AND DESCRIPTION CHANGES**

All pictures, descriptions and specifications found in this instruction manual are subject to change without notice. DuraTrax maintains no responsibility for inadvertent errors in this manual. Visit duratrax.com for the latest updates and information for your model.

**WARRANTY**

- DuraTrax® guarantees this kit to be free from defects in both material and workmanship at the date of purchase. DuraTrax will warranty this kit for 90 days after the purchase date. DuraTrax will repair or replace, at no charge, the incorrectly made part.
- Make sure you save the receipt or invoice you were given when you bought your model! It is your proof of purchase and we must see it before we can honor the warranty. Further, DuraTrax reserves the right to change or modify this warranty without notice.
- In that DuraTrax has no control over the final user assembly or material used for final user assembly, no liability shall be assumed nor accepted for any damage resulting from the use by the user of the final user-assembled product. By the act of using the user-assembled product, the user accepts all resulting liability.

To return your Vendetta SC for repairs covered under warranty, you should send your truck to:

Hobby Services
3002 N. Apollo Drive Suite 1
Champaign, Illinois 61822
Attn: Service Department
Phone: (217) 398-0007
9:00 am–5:00 pm Central Time M-F
E-mail: hobbyservices@hobbico.com
hobbyservices.com

If you are not prepared to accept the liability associated with the use of this product, you are advised to return this kit immediately in new and unused condition to the place of purchase.

**STRESS-TECH™ PARTS GUARANTEE**

We have engineered the Vendetta SC to take the rough and tumble abuse that makes R/C fun. We are so confident of the quality and durability of the Stress-Tech plastic parts that we will replace any Stress-Tech plastic part you break during the first 12 months you own the truck. Just send in the part to us and we will send you a FREE replacement. Please see the parts list for the items covered under the Stress-Tech guarantee.

To receive your free replacement part please send the following to the Hobby Services address listed under the warranty on the left.

- 1. The broken part must be included.
- 2. The part number and description of the broken part.
- 3. Copy of the dated invoice or purchase receipt.
- 4. Your name, phone number and shipping address.

**REPAIR SERVICE**

Repair service is available anytime.

- After the 90 day warranty, you can still have your Vendetta SC repaired for a small charge by the experts at DuraTrax's authorized repair facility, Hobby Services.
- To speed up the repair process, please follow the instructions listed below.

- 1. Under most circumstances return the ENTIRE vehicle. The exception would be sending in a Stress-Tech part. See the instruction under the Stress-Tech Guarantee.
- 2. Make sure the transmitter is turned off, and all of the batteries are removed.
- 3. Send written instructions which include: a list of all items returned, a THOROUGH explanation of the problem, the service needed and your phone number during the day. If you expect the repair to be covered under warranty, be sure to include a proof of date of purchase (your store receipt or purchase invoice).
FINISHING THE VENDETTA SC

TRANSMITTER PREPARATION

• Slide off the battery tray door and install four “AA” batteries. Make sure the polarity is correct.

• Turn on the transmitter and check the battery light. If the red light glows steadily, the batteries have enough voltage. If the red light blinks, the batteries are low and should be replaced.

• Raise the antenna at the top of the transmitter.
**6-CELL BATTERY INSTALLATION**

- Remove the body clip from the battery strap post.
- Remove the battery strap and foam spacer.
- Install a fully charged 7.2V battery into the chassis.
- Reinstall the battery strap and foam spacer. Secure them in place with the body clip.
- Make sure the ESC is turned “OFF” before plugging the red battery connector into the red ESC connector.
**SPEED CONTROL SET UP**

**NOTE:** If you do not wish to change the ESC settings, simply wait for the red light to stop flashing (about two seconds) before moving the throttle trigger.

1. Center the throttle trim adjustment and turn on the transmitter.
2. Move the switch on the ESC to the “OFF” position and connect the battery.
3. Lift the chassis so its wheels are off the ground.
4. Turn on the ESC. It will “beep” once and the red light will begin to flash indicating the ESC is in set-up mode.
5. Program the ESC by moving the trigger to the full speed position, then to the full brake position. Return the trigger to the neutral position. The ESC will beep four times and the green light will come on, indicating the ESC has been set up.

- Raise the antenna.
- Turn on the transmitter before turning on the ESC.
- Turn the transmitter wheel to the right—the front wheels should turn to the right. If not, move the steering servo reverse switch.
- When running, adjust the steering trim so the truck tracks straight.

**ALWAYS CHECK THE RADIO OPERATION BEFORE EACH RUN**

- Slowly pull on the throttle trigger. The Vendetta SC should slowly move forward. If the truck goes in reverse, move the throttle reversing switch on the transmitter. The throttle trim knob may also need to be adjusted to find neutral.
- The receiver should be factory bound to the transmitter. However, if you ever need to bind, follow these steps:
  1. Turn on the transmitter.
  2. Turn on the receiver via the switch on the ESC. If the receiver is not bound, the LED light will not be on.
  3. Push and hold the bind button on the receiver until the light glows red.
  4. Release the bind button.
  5. If the binding is successful, the LED will flash once and then remain ON.

**RADIO SYSTEM CHECK**

- Forward
- Steering
- Reversing
- Switch
- Throttle
- Reversing
- Switch
- Steering
- Trim
- Throttle
- Trim
- On/Off
- Reverse
- Forward

**NOTE:** If you do not wish to change the ESC settings, simply wait for the red light to stop flashing (about two seconds) before moving the throttle trigger.
BODY INSTALLATION

• Decal the body to your liking. Use the photos on the box as a reference.
• Install the body onto the chassis using four body clips.

MAINTENANCE TIPS

BEFORE EACH RUN
• IMPORTANT: Check to make sure that all screws are tight. Always use threadlock (DTXR2010) on screws threading into metal.
• Check the condition of your radio system batteries and replace/recharge if necessary.
• Make sure that all of the moving parts of the Vendetta SC move freely and do not bind.
• Turn on the radio and make sure the servo moves easily and in the proper direction.
• Check for any broken or damaged parts. Replace them before running the Vendetta SC. Running the Vendetta SC with broken or damaged parts could damage additional parts.
• Make sure that all wires are properly connected.
• Make sure the ESC, servo and receiver are properly secured.

AFTER EACH RUN
• Clean any debris from the chassis and moving parts.
• Check for any broken or damaged parts. Replace them before the next run.
• Disconnect and remove the battery from the chassis.
• Allow the motor and ESC to cool.

AFTER EVERY 10 RUNS
• Make sure that the bearings are free of dirt and debris, and roll smoothly.
• Check the shocks for oil leakage. Inspect the shafts and O-rings for wear and damage. Replace if necessary. IF a shock shaft has scratches you can feel with a fingernail, it should be replaced.
• Make sure the tires are still securely glued to the rims.
When tuning the Vendetta SC make sure that you have equal lengths from one side to the other on the shocks, upper rods, and front pivot ball knuckles. Also, make sure to have the shock pre-load adjusters at the same setting from left to right. They do not have to be the same front to rear.

RIDE HEIGHT ADJUSTMENT
The ride height of the Vendetta SC is easily adjusted by using the clip-on pre-load collars. To increase the ride height of the Vendetta SC, add more pre-load collars between the shock cap and the upper shock collar. Make sure you have the same pre-load from side to side. To lower the ride height, remove the pre-load collars. TIP: Rough, bumpy surfaces require higher ride height; flat, smooth, or high traction surfaces allow a lower ride height.

PINIONS
The Vendetta SC comes stock with the 12 tooth pinion. To obtain higher top speeds you can install a larger pinion gear onto the motor. This will, however, decrease your acceleration and run time. TIP: Smaller pinion equals more torque, less top speed. Larger pinion equals more top speed, less torque. If you use a larger pinion, it is recommended that you either solder your motor wires directly to the ESC or use a hich-current motor connector.

WHEELBASE
You can adjust the wheelbase on the Vendetta SC by placing the adjuster clips in front of or behind the rear hub carrier. A shorter wheelbase will provide more steering, while a longer wheelbase will be more stable.

SHOCK SPRINGS
The Vendetta SC comes stock with medium springs (yellow, DTXC8952). For low traction or bumpy tracks, use a soft spring (White, DTXC8953). For high traction or smooth tracks, use a firm spring (Green, DTXC8954).

FRONT SHOCK ADJUSTMENT
Moving the tops of the shocks to the outer position will increase steering reaction but decrease front traction. Moving the tops of the shocks in will result in slower steering reaction but will be smoother over bumps and have more front traction. Mounting the bottom of the shocks in the inside hole will give more front traction but slower steering reaction. Mounting the bottom of the shocks in the outer position will give less front traction but increase steering reaction. The lower mounting points are for major adjustments and the top mounting points are for minor adjustments.

REAR SHOCK ADJUSTMENT
Moving the tops of the shocks out will increase steering reaction and decrease rear traction. Moving the tops of the shocks in will result in slower steering reaction but will be smoother over bumps and have more rear traction. Mounting the bottom of the shocks in the inside hole will give more rear traction. Mounting the bottom of the shocks in the outside hole will give less rear traction and increase steering reaction. The more angled the rear shock is, the more side grip. The more vertical the rear shock is, the less side grip. The lower mounting points are for major adjustments and the top mounting points are for minor adjustments.
SHOCK OIL
The Vendetta SC comes with 30-weight oil in the shocks. The handling of the truck can be tuned by changing the shock oil to either heavier (bigger number) or lighter (smaller number). By putting heavier oil in the shocks, the truck will have less chassis roll and become more responsive. Putting lighter oil in the shocks will cause the truck to be less responsive and have more chassis roll. For smooth, high-traction surfaces, a thicker oil would be best. For low-traction or bumpy surfaces, a lighter oil would be best.

FRONT TRACK WIDTH
The Vendetta SC has adjustable front track width due to its pivot ball knuckle design. To decrease track width, screw in the upper and lower pivot balls equally. To increase track width, screw out the upper and lower pivot balls equally. Make sure that both sides are the same distance from the end of the upper and lower arms. You can check this by measuring from the end of the upper and lower arm to the outside of the knuckle. Track width affects the truck’s handling and steering response. Wider front track width decreases steering reaction and front grip. Narrow front track width increases steering reaction and front grip.

TOE-IN AND TOE-OUT

TOE-IN

TOE-OUT

Toe-in is when the fronts of the tires point towards each other. Toe-out is when the fronts of the tires point away from each other. Toe-in increases stability during acceleration and high speed. However, toe-in also decreases steering when entering a corner. Toe-out will increase steering into corners, but will decrease the overall stability during acceleration. The front typically is set up with 0° to 1° of toe-in.

CAMBER

Camber refers to the angle at which the tire and wheel ride in relation to the ground when viewed from the front or rear. Negative camber is when the wheels lean inward and positive camber is when the wheels lean outward. Usually adding a small amount of negative camber (0° to -2°) will increase traction. However, adding too much camber will decrease traction. The objective is to keep as much of the tire as possible in contact with the running surface. Never put in positive camber. Make sure that both sides are equal.

Use the DuraTrax Pit Tech™ Camber Gauge (DTXR1145) to accurately set up your Vendetta SC.

CASTER
The Vendetta SC has adjustable caster. Caster refers to the fore/aft angle of suspension. By placing the adjuster clips behind the front upper arm, you decrease caster angle. This will give more initial turn-in but decrease on-power steering and straight-line stability.

Placing the adjuster clips in front of the front upper arm increases the caster. This will increase on-power steering and straight-line stability, but reduce initial turn-in.
The following section is provided to help you with maintenance and repairs to your Vendetta SC.

1. **8x12mm Ball Bearing**
   - Quantity: 2

2. **8x12mm Ball Bearing**
   - Quantity: 2

3. **1.5x16mm Pin**
   - Quantity: 2
   **1.5x16mm Shaft**
   - Quantity: 2
   **2x6mm F/H S/T Screw**
   - Quantity: 8

4. **2x8mm Pin**
   - Quantity: 1
   **3mm E-Clip**
   - Quantity: 1
   **6x10mm Ball Bearing**
   - Quantity: 1
   **8x12mm Ball Bearing**
   - Quantity: 2
19

- 2.6x8mm S/T Screw: 4
- 2.6x10mm F/H S/T Screw: 2
- 2.6x10mm S/T Screw

20

- 2x16mm Socket Head Cap Screw: 2

21

- 2.6x8mm S/T Screw: 2
- Body Clip: 2

22

- 2mm Lock Nut: 2
- 2.6x8mm S/T Screw: 2
- 3.8mm Ball Stud: 2

Use bottom hole
2.6x8mm S/T Screw 3
2.6x12mm S/T Screw 1

2x8mm Shaft Pin 6
6x10mm Ball Bearing 4
3.8mm Ball Stud 4
Front Knuckle Pivot Ball 4

Left

Right

2.6x8mm S/T Screw

Thread pivot ball in to cover half the hole.

2x8mm Shaft Pin 4
1.5x5.8mm Axle Pin 4

The pins should be centered.

A = B

1.5x5.8mm Axle Pin x4
27

Right

2x26.5mm Hinge Pin......2
2x37.5mm Hinge Pin.....2
2.6x8mm Screw
2.6x10mm F/H S/T Screw

2x26.5mm Hinge Pin

Left

2.6x8mm S/T Screw

2.6x10mm F/H S/T Screw

28

29

2x6mm S/T Screw
30
3x20mm Threaded Shaft

31

32

2x12mm R/H Screw
6x10mm Ball Bearing
2x26.5mm Hinge Pin
Slowly move the shaft up and down to remove trapped air bubbles.
2.6x12mm R/H Screw

3.8mm Ball Stud

Varies with servo type

Servo Ch1, ESC Ch2

Yellow to motor

Red to ESC
Wear eye protection when gluing tires.

2.6mm Washer...4

2.6mm Lock Nut...4

2.6mm Washer
OTHER ITEMS AVAILABLE FOR THE VENDETTA SC

Graphite Steering Servo Hold-Down Set
DTXC8813

Aluminum Motor Heat Sink (Blue)
DTXC8279

Ball Differential
DTXC7348

Graphite Front Brace
DTXC6599

Front Sway Bar Set
DTXC9602

Aluminum Hinge Pin Support Front
DTXC8066

Rear Sway Bar Set
DTXC9603

Aluminum Rear Hub (Blue)
DTXC8005

For more optional parts and accessories, contact your hobby dealer or duratrax.com
6-cell 1600 mAh NiMH Battery  
DTXC2193

Onyx 220 Programmable Peak Charger  
DTXP4220

Graphite Front Shock Tower  
DTXC9186

Graphite Rear Shock Tower  
DTXC9187

Aluminum Shocks  
DTXC8997 Front  
DTXC8998 Rear

Pit-Tech Mini Car Stand  
DTXC2361