



For Immediate Release

May 25, 2006

New #3426 HV6.5 Brushless Motor

Updated #3020 HV Brushless System 6.5



A NEW GENERATION HV BRUSHLESS MOTOR

Irvine, CA – May 25, 2006 – Novak is pleased to introduce a new-generation high-voltage brushless motor: the **HV6.5 (#3426)**. Based on the industry-standard HV4400 brushless motor, the **HV6.5 High-Voltage Brushless Motor** features **two major performance upgrades**. The most significant upgrade is the **newly engineered nickel-plated rotor**, which is the core of the brushless motor. This new rotor **improves motor acceleration, speed and brakes**, is **more durable**, and is **more resilient to heat**. The second upgrade is the **lightweight, aluminum ribbed end bells**, which provide **additional cooling** by acting as a heat sink, efficiently removing excessive heat from the motor. The HV6.5 High-Voltage Brushless Motor will be offered individually (**#3426**), and in the popular HV High-Voltage Brushless System 6.5 (**#3020**).

HV6.5 HIGH-VOLTAGE BRUSHLESS MOTOR

Using sensor-based technology, the HV6.5 High-Voltage Motor provides awesome starting torque, low-speed driveability, and low cogging for smooth acceleration and smooth coasting. Also, along with the new nickel-plated rotor and aluminum ribbed end bells, the HV6.5 features yet another upgrade: an **improved solder tab system**. This is the same solder tab system that is used in Novak's **Velociti-series motors**, which has received rave reviews. The new lower-resistant connectors allow for even **more flexible soldering options**, and are even **more efficient and easy to use** than the previous solder tabs — all while providing the lowest possible voltage drop, as well as easy and convenient power wire replacement.

KEEPING THE STATUS QUO

Some things are best left the way they are. This holds true for certain features of the HV6.5. **One HV6.5 Brushless Motor still replaces the two brushed motors** that are currently required to run the **Traxxas® E-Maxx™**. The beauty of using brushless technology is that it fuses power and efficiency to create one dynamic motor, which is a definite advantage when it comes to saving space on a chassis, or laboriously maintaining multiple motors. This efficient motor packs a powerful punch, providing users with ample power and torque. The HV6.5 will also work for most applications requiring an over-abundance of power at a higher input voltage such as the **Kyosho® Twin Force™** or the **Tamiya® TXT™ Trucks**.

HV HIGH-VOLTAGE BRUSHLESS SYSTEM 6.5

Geared for high-voltage applications such as the **Traxxas® E-Maxx™**, the **HV High-Voltage system** includes the new-generation **HV6.5 High-Voltage Brushless Motor**, and one speed control that work seamlessly together to provide the ideal system for high-voltage applications. This dynamic system allows significantly higher speeds and longer run-times than traditional dual brushed motor systems with virtually no maintenance! When driving high-voltage applications such as a **Traxxas® E-Maxx™**, **Kyosho® Twin Force™**, or **Tamiya's® TXT™ Trucks**, you can expect a significant speed gain and still maintain, if not improve, the runtime over stock motors.

BRUSHLESS SYSTEM EXTRAS

For those who purchase an HV Brushless System, Novak has slipped in a few convenient extras. A **Power-Boost ESC Fan and mounting bracket (#5646)** is included for those wanting extra cooling for their ESC. Likewise, the HV6.5 motor comes with a **factory-installed heat sink (#5412)** for additional cooling of the motor. Another great amenity that is included is a **dust cover**, which covers the motor opening that is left exposed (since 1 HV6.5 motor efficiently replaces 2 brushed motors).

Please see below for part numbers, pricing, and availability. HV6.5 High-Voltage Brushless Motor features and specifications are on next page. Refer to www.teamnovak.com for further information on the updated #3020 HV High-Voltage Brushless System 6.5 and the new accessory items.

PRODUCT	PART #	AVAILABLE
HV6.5 High-Voltage Brushless Motor (550 size)	#3426.....	June 2006
HV High-Voltage Brushless System 6.5	#3020.....	June 2006
HV Nickel-Plated Rotor (550).....	#5912.....	June 2006
HV Ribbed End Bell & Bearing Kit	#5913.....	June 2006
HV Brushless Motor Heat Sink	#5412.....	June 2006

MOTOR FEATURES (HV6.5)

- **NEW nickel-plated rotor** for improved performance
- **NEW Aluminum ribbed end bells** for additional cooling
- **NEW Improved solder tab system** for flexible soldering options
- One HV6.5 brushless motor replaces two 550 brushed motors
- Easily fits in Traxxas® E-Maxx™, Kyosho® Twin Force™, and Tamiya® TXT™ Trucks
- Sensor-based technology for excellent low-speed driveability
- Direct-solder wiring tabs
- Virtually Maintenance-free
- Specifically designed for R/C vehicles
- Completely enclosed motor
- Provides longer run times and faster top speed compared to stock brushed system
- Locked rotor & thermal protection
- Excellent low-speed driveability
- Low cogging
- Ball bearings
- Manufactured in the USA

MOTOR SPECIFICATIONS (HV6.5)

- Number of Turns: 6.5
- Design: Sensor-based
- Input Voltage: up to 14 cells (1.2V/cell)
- Size: 2.84"L x 1.41"D (72.1 x 35.8mm)
- Shaft Diameter: 0.125" (3.2 mm) [accepts all existing pinion gears]
- Weight: 8.36 oz. (295 grams)
- Magnet: One-piece, multi-pole cylindrical high-strength neodymium
- Performance: Approx. 20% longer run-times (capable of between 32-38 MPH in a basic E-Maxx™ setup with improved drivetrain parts)

E-Maxx™ is a registered trademark of Traxxas® Corporation. Twin Force™ is a registered trademark of Kyosho®. TXT™ is a registered trademark of Tamiya®.