

Toyota Prius Aeries and Aemulus

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Toyota, the worldwide leader in hybrid sales and technology, is publicly debuting two uniquely modified Prius gas-electric hybrids at the 2009 SEMA Show. The Prius Aeriis (Latin for “belonging to the air”) is a show car that integrates performance and design modifications with environmental elements, which embody the principals of sustainability. The Prius Aemulus (meaning “envious imitation”) is a drivable close replica of the Prius Aeriis that has been donated to the Environmental Media Association (EMA) for a charity auction.

Built on two third-generation 2010 Prius, Five Axis Design created a four-piece Aero Kit using polyurethane and partially recycled materials manufactured by 3D Carbon. The kit includes a front lip spoiler, side skirts, and a rear lower valance. The Aero Kit was designed and aerodynamically tested by using state-of-the-art Computational Fluid Dynamics (CFD) software by Swift Engineering to ensure the kit maintained the Prius’ remarkable 0.25 coefficient of drag.

Nippon Color Design Studio America (CDSA) provided a custom paint to the exterior of both vehicles. CDSA used an environmentally-sensitive waterborne technology to produce a custom three-coat color using a blue-green Lumina pigment that resembles airiness and the color of the sky.

The Prius Aeriis Show Car rides on Yokohama Super E-Spec™ low rolling resistance tires made from 80 percent non-petroleum materials and feature a special tread with leaf graphics. The special tires are mounted to unique Five Axis, FIVE:AD S6:F 19-inch wheels, with smooth, clear covers that reduce the coefficient of drag. The Prius Aemulus Auction Car rides on factory wheels with an exclusive art design that includes body color-keyed accents and a special two-tone treatment.

The side and rear glass on both vehicles receive a Crystalline Automotive Window Film, the latest in window film technology from 3M. The special window treatment increases passenger comfort and energy savings by blocking 99.9 percent of UV light and has a SPF rating equivalent to well over 1,000.

The Prius Aeriis Show Car is installed with an interior seat fabric provided by True Textiles that is made from 100 percent consumer recycled polyester. Polyurethane produced by Ultrafabrics was provided for the design of the bolster and seatback. Ultrafabrics uses a polyurethane manufacturing process that captures and recycles over 99 percent of solvents used in production, leading to almost zero pollutants. Interior accents of the Prius Aeriis are made from 3form’s eco-recycled resin, which is comprised of reclaimed birch trees and 40 percent post-industrial recycled content.

Audio entertainment in the Prius Aeriis Show Car was provided by a Pioneer premium upgraded 900-watt 10 speaker audio system with two 10-inch subwoofers, 6.75-inch front and 5.25-inch rear component speakers and two Vizualogic 7-inch DVD headrest rear entertainment units. The Prius Aemulus Auction Car receives an upgraded Pioneer 700-watt nine speaker audio system featuring one 8-inch subwoofer and new 6.75-inch front and 5.25-inch rear component speakers.

The original seat materials removed from the Prius Aeriis were recycled by Toyota to help make business cards and cosmetic cases with left over parts donated to local trades.

Both vehicles include a special Car Planet detailing kit featuring 100 percent eco-sensitive products, packaged in a bag made from leftover Show Car seat material.

The two special Prius vehicles were privately revealed at the EMA annual awards event on October 25 in Hollywood. The Prius Aemulus is currently being auctioned off as part of the EMA benefit online at CharityFolks.com/EMA.

TOYOTA PRIUS AERIIS FEATURES

Partners/Contributors

Principal: Toyota Motor Sales, U.S.A., Inc.

Builder: Five Axis

Exterior

- Five Axis Design: 4 piece Aero Kit*, FIVE:AD S6:F 19" wheels with aero covers
- 3D Carbon: Polyurethane custom body kit materials*
- Swift Engineering: CFD aerodynamic testing of body kit
- Nippon Color Design Studio America waterborne custom paint*
- Yokohama: Super E-Spec™ low rolling resistance tires with custom tread

Interior

- True Textiles: 100% recycled seat fabric
- Ultrafabrics: polyurethane seat bolster and back
- 3Form: eco-recycled resin interior accents
- 3M Crystalline Automotive Window Film to reduce solar rays and produce energy savings*
- Pioneer: 900-watt 10 speaker audio system*
- Vizualogic: 7-inch DVD headrest rear entertainment units
- Car Planet: eco-sensitive car detailing kit*

* Also on Prius Aemulus. Aemulus includes a Pioneer 700-watt nine speaker audio system.