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CHEVROLET VOLT'S SLEEK, DYNAMIC LOOK DELIVERS THE PRESENCE OF A MIDSIZE SPORT SEDAN

- **Well-planted wheels-out, body-in stance**
- **Most aerodynamic vehicle in Chevrolet's history**
- **High-tech yet comfortable interior with premium touches throughout**
- **State-of-the-art infotainment and navigation systems**
- **Meticulous attention to detail**

DETROIT – The 2011 Chevrolet Volt proves that an efficient vehicle can turn heads. With its well-planted stance, distinctively sculpted shoulder line and premium-oriented standard appointments, the Volt looks and feels like an upscale, midsize sports sedan.

“We were determined to complement the Volt’s groundbreaking propulsion system with an equally revolutionary design,” said Bob Boniface, the Volt’s director of design. “We emphasized a wheels-out, body-in stance to make as dynamic and sleek a statement as possible. While there is no mistaking its Chevrolet design language, it is very technical and refined in its execution, with lots of interrelating surfaces that bring clean, crisp edges and creases.”

The Volt is not only Chevrolet’s most efficient vehicle, but is also extremely well equipped, with a full host of standard, premium features and technologies.

Sleek, sport sedan appearance

The Volt’s sport sedan-like appearance comes from wide front and rear tracks of 61.2- and 62.1 inches (1556 /1578 mm); a wheelbase of 105.7 inches (2685 mm); and large, 17 x 7-inch, five-spoke, flow-formed wheels. A stretched upper daylight opening, accentuated by a single arc roofline, delivers a sleek upper body appearance.

Equally sleek, horizontally shaped headlamp elements are inset into the forward corners and incorporate piano black bezels, ice-blue LED daytime running elements and bi-function halogen projector lamps. High-tech lighting continues with fog lamp elements in the lower forward corner, which carry bezels similar to those in the headlamps, along with ice-blue LED illumination elements.

A distinctive, glossy, piano black shoulder line dives slightly as it runs forward, incorporating the mirror post and culminating in the front fender where it carries the Volt insignia. The charging port is located just forward of the driver’s door.

The sleek design theme carries to the rear of the vehicle, with high-tech LED taillamps and a distinctive, gloss black rear liftgate appliqué that carries a centered Chevrolet bowtie and Volt insignia.

Working closely with aerodynamicists in GM's own wind tunnel to shape the Volt, design and engineering teams developed the most aerodynamic vehicle in Chevrolet's history and the second-most aerodynamic vehicle in GM's history. By reducing the energy needed to overcome air resistance, Volt aerodynamicists contributed an estimated eight miles of electric range, and 50 miles of extended range.

The Volt's rounded, flush front fascia, tapered corners and closed, dual-port grille enable air to move easily around the car to reduce drag. In the rear, sharp edges and a carefully designed spoiler control air flow. An aggressive rake on the windshield and back glass also helps reduce turbulence and drag, and saves energy.

Both the standard and available wheels on the Volt are 17 x 7 inches. The standard wheels are five-spoke, forged, painted aluminum and the available wheels are five-spoke, forged polished aluminum.

The Volt is available in three standard exterior colors, Silver Ice Metallic, Black and Cyber Gray Metallic; and three premium colors, Crystal Red Metallic Tintcoat, White Diamond Tricoat and Viridian Joule Tricoat. The latter color name was chosen through a national contest.

Volt interior blends technology, comfort and convenience

Inside, the Volt offers the space, comfort, convenience and safety features that customers expect in a high-tech, premium sedan, beginning with Chevrolet's signature dual-cockpit design.

"We wanted to convey a feeling that was upscale and sporty, yet somewhat relaxed in character," said Boniface. "So we incorporated premium trim and materials that are more casual in nature, yet help deliver the comfort, convenience and features of a premium sedan."

The Volt is equipped with standard Jet Black premium cloth seats with Ceramic White accents. The available leather-appointed, heated seats can be ordered in three color combinations: Jet Black and Cut Grass with dark accents; Light Neutral with dark accents; and Jet Black with dark accents.

A dual-tier upper instrument panel wraps seamlessly around the front occupants. The tiers are separated by a distinctive layered accent in Jet Black, Cut Grass or Light Neutral that seemingly flows from the base of the windshield, through the upper instrument panel and into the door panels.

Two, seven-inch, LCD screens are featured: One is a reconfigurable graphic cluster display in the Driver Information Center and the other features a full-color touch screen display in the center stack, which also includes, touch-control switches and an integrated shifter.

The design graphics in the instrument panel and door inserts are repeated in the standard premium cloth or available leather-appointed bucket seats, and bright silver appointments appear around the door switches, center cup holders, door pulls and center stack switches and climate control outlets.

Infotainment features include:

- Navigation radio with 60-GB hard disc drive (30 GB for music storage), AM/FM/DVD-ROM/MP3 playback capability, voice recognition, Radio Data System, Bluetooth and pause-and-play radio functions
- XM Satellite Radio with XM NavTraffic/Weather, one of the industry's most advanced, real-time information systems
- Premium, energy-saving Bose sound system with six speakers and subwoofer
- Five years of OnStar with Directions and Connections service.

The Volt doesn't leave practicality at the curb. The split dual rear seats fold flat to accommodate larger items. Dedicated storage compartments are located in the upper instrument panel, in the door panels (including an umbrella pocket and bottle holder) and a covered recessed storage compartment in the rear cargo area, which also houses the vehicle-charging cord.

Only two option packages are available on the well-appointed Volt: the Rear Camera and Park Assist Package and the Premium Trim Package.

Rear Camera and Park Assist Package

This driver convenience feature includes a rearview camera system and front and rear ultrasonic park assist.

The optional rearview camera is mounted on the underside of the rear license plate appliqué for an integrated appearance, and works in conjunction with the front and rear ultrasonic park assist feature to assist in parallel parking. Images are viewed in the center stack display.

The front and rear ultrasonic park assist system uses four sensors located on the front and rear fascias. The integrated sensors sequentially send out ultrasonic waves when the vehicle is driven forward or reverse at low speeds. The sending sensor and adjacent sensors pick up the echo of a signal when it bounces off an object. Audible warning beeps notify the driver of front/rear object proximity.

Premium Trim Package

The Premium Trim Package includes leather-appointed seat trim, premium door trim, leather-wrapped steering wheel and heated driver/front passenger seats.

The optional heated front seats in the Volt have warming elements in the seat cushion and seat backs that automatically adjust to one of four levels of comfort (high, medium, low, and off) in concert with selected temperature settings, a feature often associated with luxury vehicles. The automatic function of the heated seats can be overridden via the Climate Display on the center stack touch screen. In efficient climate control modes, the heated seats play an important role because they provide an energy-efficient means of comfort.

Sweating the details

The Volt has been engineered and crafted with meticulous attention to detail. A single-piece body side outer ring eliminates the need for composite roofline or rocker inserts. The result is a clean, body side panel virtually free of seams or gaps. Other details:

Precision fit: Interior and exterior element-to-element gap and flush relationships are extremely precise. Examples of the Volt's tight surface-to-surface relationships include:

- Hood to fender – 3.5 mm
- Front door to fender – 3.5 mm
- Rear door to quarter – 3.5 mm.

Underhood components: All underhood components have been held to a standard of appearance that ensures uniformity with similarly grained surfaces, colors and overall aesthetics. The clean, integrated design displays minimal holes and fasteners.

Secondary surfaces: All secondary surfaces (areas seen around door rings upon vehicle entry and exit) have been executed for a flush, finished appearance. This was achieved through welding techniques that ensure a cleaner surface in these areas as well as minimizing sealing between sheet joints. A structural weld-flange strategy enhanced electro-coat paint operation (ELPO) provides maximum corrosion protection.

Side doors: The side doors on the Volt carry a number of refinements to provide a premium interior vehicle environment. For example:

- Robotic-applied spray deadener is strategically applied on the side door outer panel to reduce exterior road noise, while not increasing vehicle mass
- Inner door panels are single-piece stampings made from tailor-welded blanks designed for extra strength at the forward portion of each door where the hinges attach
- Side door impact beams incorporate a “paddle with tab” attachment design that helps improve door-slam durability performance and sound.

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