



PAICE HYPERDRIVE CAN IMPROVE FUEL ECONOMY OF AMERICA'S VEHICLE FLEET BY 50 PERCENT

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For Immediate Release

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Calculations of vehicle performance and fuel economy improvements that the Paice hybrid powertrain can provide in the nation's broad range of cars and trucks were presented by Dr. Alex Severinsky, inventor of the system and chief executive officer, and other Paice executives, to the Congress, organized by the Department of Energy and the US Council for Automotive Research (USCAR), a coalition between General Motors, Ford and DaimlerChrysler.

Based on dynamometer testing of the Hyperdrive system and ordinary engineering computer modeling techniques, Paice calculated performance and fuel economy of Hyperdrive systems in numerous vehicles ranging from a small car to SUVs, minivans and light trucks with GCWs up to 20,000 pounds.

To provide an overview of fuel savings possible for the national economy, Paice provided calculations of Hyperdrive systems in representative vehicles in the several categories described in the Department of Transportation's Energy Data Book.

In all classes, Hyperdrive produced significantly better fuel economy than current vehicles. Improvements ranged from 70 percent in minicompact cars to 55 percent in large cars, and from 36 percent in small pickup trucks to 57 percent in small SUVs.

Paice presented data for a Hyperdrive system in a popular American SUV of 3,860 pounds with towing capacity of 3,500 pounds. The Hyperdrive system with a 2.0-liter four-cylinder engine was compared to a current SUV with a 3.0 liter V-6 and a four-speed automatic transmission.

In the SUV, the Hyperdrive's fuel economy was 40 miles per gallon on the EPA city cycle and 38 miles per gallon on the highway cycle, for a combined rating of 39 miles per gallon. The comparison SUV ratings are 20 city, 31 highway, and 24 combined.



Hyperdrive's acceleration from 0 to 60 miles per hour was 7.4 seconds, compared to the SUV's 10.8 seconds. Hyperdrive's 35-to-55 and 55-to-75 miles per hour passing acceleration time was also significantly shorter.

With the much more efficient use of the gasoline engine, Hyperdrive's regulated emissions will be much lower. In an actual hardware test of another powertrain set-up, measured emissions were at or below SULEV levels.

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Paice Corporation has created, tested and patented Hyperdrive, a unique gasoline-electric hybrid powertrain system for cars and light trucks. The company has offices in Silver Spring, MD, and an engineering center in Livonia, MI. Additional information is available at www.paice.com.

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