

September 28, 2005

Exhibition outlines of the 39th Tokyo Motor Show 2005

Fuji Heavy Industries Ltd. (FHI), a global manufacturer of transportation and aerospace-related products and the maker of Subaru automobiles, today announced the major features of its vehicles and technologies, which will be exhibited at the 39th Tokyo Motor Show 2005, which will open its doors to the public in Makuhari Messe, Chiba from October 19 to November 6.

With the key word “Think. Feel. Drive. - Creating new value through the crossover concept”, Subaru’s core message is to appeal a car that realizes pleasurable driving, very high safety and excellent environmental performance.

In the booth, the concept car “B5-TPH” which equipped with original hybrid system “Turbo parallel hybrid (TPH)”, technology exhibit “TVX-II” next generation of intelligent vehicle which ensuring driving pleasure, comfort, and advanced safety, and new crossover vehicle “B9 TRIBECA” (US model) will be exhibited. By exhibiting these vehicles, Subaru will appeal the new areas of driving pleasure and new functions by integrating the different values.

A press briefing is scheduled for Wednesday, October 19 Thursday from 11:40 to 12:00 at the Subaru booth (East hall) where President Kyoji Takenaka presented.



B5 - TPH



B9 TRIBECA

Major exhibits of Subaru booth

* B5-TPH (concept car)

The B5-TPH concept car was designed around the concept theme of a car for long-weekend getaways getaways for couples. The vehicle develops the theme of crossover elements in a future car –a crossover between a gasoline engine and electric motor, and between a sport wagon and sport utility vehicle (SUV). Incorporating Subaru's signature Symmetrical All Wheel Drive (AWD), the concept car provides an efficiency and comfort glimpse of a future sport specialty car that further enriches the efficiency and comfort.

Major features of the B5-TPH

1. The Turbo Parallel Hybrid (TPH) power train, a new AWD hybrid system, has been applied to 2.0liter Horizontally-Opposed turbo charged engine in the B5-TPH
2. By combining the electric motor and the Miller cycle boxer turbo engine (2.0L), the engine has achieved fuel economy improvements and reduced CO2 emissions. This superb, all-range performance is enabled by the motor assist feature, a motor that is designed to boost engine torque at low revolutions.
3. The vehicle promises versatile handling and maneuverability both on and rough road with its ground clearance of 200 mm and large-diameter tires.
4. The designs express the pleasure of driving, and of being driven as a passenger. Blending beautiful lines and the characteristics of the sport wagon, personal coupe and SUV, the car accentuates the crossover of its designs and function.

* IVX-II (Technology exhibit)

“IVX-II (Intelligent vehicle X, X symbolizes the infinite) the next generation of intelligent vehicle which ensuring driving pleasure, comfort, and advanced safety. Enhancing pleasurable driving, while its integrated preventive safety functions help the car automatically avoid dangers and restores it to a safe driving position.

Major features of IVX-II

1. Improved its frontal recognition sensors (Active Driving Assist system), that include a pair of stereo cameras, as well as a milliwave radar unit. The new stereo camera device can not only detect multiple objects, road traffic lines, and conditions, but it also calculates the distance between the car and an object as well as the relative speed with which another car is approaching.
2. Adopted the next-generation high performance controller with capability realized by Subaru's updated algorithms. the former ensures optimal driving position based on patterns of a driver's maneuvering. For the vehicle control, By-wire technology, which is the next-generation chassis control technology is used.
3. In addition to these fast and reliable systems, the IVX-II features Symmetrical AWD. Its low center of gravity ensures excellent vehicle stability and the ability to retain driving control, which allows a driver to handle the vehicle at his will. High-tech devices co-exist with the driver's enjoyment of vehicle handling, and they interfere with a driver's control only in necessary instances.

* B9 TRIBECA (Display model / US model)

The B9 Tribeca was developed on the concept of a progressive sports utility vehicle (SUV) that represents the next generation of crossover vehicles. The first-ever Subaru crossover utility vehicle with available seating for seven passengers, the B9 Tribeca features Horizontally-Opposed H6 boxer engine that delivers agile and stable control yet while ensuring superb maneuverability as a SUV. The vehicle reveals its roominess in flexible seating arrangements in three rows for seven passengers. Its sporty and dynamic exterior design contrasts with a sophisticated interior design that accentuates stylish comfort and safety.

* Blitzen 2006 Model: Touring Wagon

The Touring Wagon version was developed on the Legacy sedan Blitzen 2005 Model introduced in December 2004 and has since enjoyed accolades. Based upon Legacy Touring Wagon 2.0 GT spec. B., the vehicle features newly designed interior, front grille, rear bumper, and roof spoiler, and is fitted with 18-inch wheels.

* Legacy Outback / Forester "Edge" style (Display model)

The development of the vehicle centered on the concept of psychological restoration, and the Edge is a model that can play a significant role in altering one's mind set. A true edge in design and technology is proposed in this new crossover vehicle. Exterior designs that are original to the Edge include its front grille, front bumper under guard, side sill garnish, roof rail, all of which partly use a high-luster finish and, as well as the new aluminum wheels.

* R1e (Display model)

Based on the 2-seater R1 mini car, the R1e has been developed as an electric vehicle (EV). Using the high performance lithium ion battery pack, the EV not only excels in power output but also boasts fast charging and easy maintenance, both considered problematic aspects of existing EVs.

[The R1e is available at "Clean energy vehicle test ride" outside the Motor Show premises, set up by the Motor Show organizer.]

* SUBARU IMPREZA WRC 2006 prototype

The prototype is based on the new Impreza, which was introduced in June 2005 in Japan. The SUBARU IMPREZA WRC 2006 model is scheduled to debut at the FIA WRC Rally Automobile Monte Carlo in 2006. (FIA homologation application scheduled)

* SUBARU RALLY CHALLENGE

Based on its flight simulator technologies, the Aerospace Company of the Fuji Heavy Industries and Subaru have jointly developed a fully automatic driving simulator that is set in the Impreza rally car body. The new driving simulator has a 6-axis motion unit that can support 1 ton of weight on its base, and it allows visitors to choose rally routes and experience Subaru Impreza rally driving.

Major exhibits

1. B5-TPH (Concept car) World premiere
2. B9 TRIBECA (Silver) (Display model / US model) Japan premiere
3. B9 TRIBECA (Red) (Display model / US model) Japan premiere
4. Blitzen 2006 MODEL Touring Wagon (Display model)
5. Legacy Outack “Edge” style (Display model)
6. Forester “Edge” style (Display model)
7. Sambar Dias Wagon (Display model / Scheduled for market launch in Japan)
8. Subaru R2 (Display model / Scheduled for market launch in Japan)
9. SUBARU IMPREZA WRC 2006 Prototype Japan premiere
10. Legacy Touring Wagon 2.0R B-SPORT
11. Legacy B4 (sedan) 3.0R
12. Impreza Sedan WRX STI
13. Impreza Sport Wagon 1.5i G package TransCare Wing seat
14. Suabru R1 i
15. Pleo F Limited
16. Subaru 360 (Display model)
17. TPH system (Technology exhibit)
18. IVX-II (Technology exhibit) World premiere
19. Symmetrical AWD (Technology exhibit)
20. SUBARU RALLY CHALLENGE (Driving simulator) World premiere
21. R1e (Display model / Available at “Clean energy vehicle test ride”)

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