



World Premiere of All-New Subaru “WRX STI” at 2014 NAIAS

Tokyo, January 15, 2014 - Fuji Heavy Industries Ltd. (FHI), the maker of Subaru automobiles, has just unveiled the all-new WRX STI (US specifications) at the 2014 North American International Auto Show (NAIAS) currently being held in Detroit, Michigan.

As the top grade model of the WRX series, the new WRX STI embodies at an even higher level the shared product series concept: “Pure Power in Your Control”.

Starting with the base WRX model, Subaru has equipped the WRX STI with the powerful, motorsport-proven 2.5-liter Horizontally-Opposed turbo engine, an exclusively-tuned suspension for enhanced rigidity, multi-mode DCCD (Driver’s Control Center Differential) and more.

During development, Subaru honed the driveability of the new WRX STI to perfection, testing it under various driving conditions in several countries. As with past generations of the WRX STI, testing included ultra-high speed road testing on Germany’s Nürburgring circuit, known for its harsh road conditions. Through this process, Subaru has raised performance for the body, chassis and other vehicle areas to the limit and fused them into one. This has elevated overall vehicle performance, resulting in the pinnacle of Subaru AWD sport performance with predictable high power at the driver’s fingertips.



Subaru WRX STI (US specifications)

[Main features]

■ Product concept

“Pure Power in Your Control”

The product concept “Pure Power in Your Control” was established during development of the new WRX series. This concept aims to reach an even higher order of “absolute speed” and “driving excitement” for sports sedans, the goal pursued in successive generations of WRX series. This product concept was embodied to maximize the potential of the turbo Boxer engine and the pursuit of ultimate control performance, allowing drivers to steer the vehicle exactly as they imagine. To this end, the body has been made lighter and more rigid, integrating extensive chassis reinforcements.

■ Mechanism

< Chassis and Body >

Symmetrical AWD-based chassis and body performance has been thoroughly enhanced to the hilt to squeeze every last drop of power out of the Horizontally-Opposed turbo engine. This is what makes “Pure Power in Your Control” possible.

- Working to stiffen both body and suspension while optimizing suspension geometry has both quickened vehicle response to driver steering input and raised the limit performance for cornering. In addition, Multi-mode Vehicle Dynamics Control (VDC) and Active Torque Vectoring have been added for even more predictable, more enjoyable driving.
- Many hours of in-depth suspension tuning have resulted in a flat, comfortable ride.
- Steering has been made more precise with a quickened steering gear ratio and a more rigid steering system.

< Engine >

The new WRX STI is equipped with a 2.5-liter Horizontally-Opposed turbo engine, serving as a symbol of Subaru’s high performance and reliability, as perfected in motorsport.

- Through precise tuning, the engine produces an impressive 305 horsepower at 6,000 rpm and 290 pound-feet of torque at 4,000 rpm.

< Transmission >

On the receiving end of the powerful Horizontally-Opposed engine, the WRX STI employs a reinforced six-speed manual transmission. Coupled with short throw shifting, the combination makes driving a thrill.

- Six-Speed Manual Transmission -

- Compared to the existing 6MT, the new WRX STI transmission was given better tactile feedback with gears that lock solidly in place for a sportier shift feel.
- The WRX STI equipment package continues to come with the multi-mode DCCD system, a carryover from the existing model. This system allows the driver to freely select center differential control characteristics according to road conditions and driver’s preferences.

■ Safety

Following Subaru's safety philosophy of “ALL-AROUND SAFETY”, performance in all safety fields have been enhanced.

< Active Safety >

- With Symmetrical AWD as a base, the body was lightened, rigidity improved and chassis performance enhanced along with VDC. All this gives the WRX STI the best hazard avoidance performance in its class, making driving excitement a safe endeavor in any scenario.

< Passive Safety >

- The new WRX STI employs more high tensile steel plating with strengthened joints with various structures. While helping to reduce weight, these changes also make for a stronger body with world-class safety performance in collisions from the front, rear or sides.
- In addition to assertively using collision-absorbing structure for the hood and bulkhead, collision-absorbing material has been added in the engine compartment side for increased pedestrian protection.

■ Packaging

The unrivalled WRX STI character from successive generations has been honed yet again by further improving its practicality as a performance four-door sedan.

- The wheelbase has been enlarged by 25 mm, all of which was used to expand rear leg room. This gives the new WRX STI more elbow- and shoulder-room without changing the total body width.
- The bottom end of the A-pillar has been extended 200 mm toward the front and the side mirrors mounted on the front door panels to add a new quarter window and keep the dashboard and door window sills lower. These changes make for a better visibility and sleek styling.
- Front and rear door opening dimensions have been enlarged, making ingress and egress much easier.
- Trunk space has been expanded and made easier to use by adopting fold down rear seats with a large opening and 60:40 split.

■ Design

< Exterior >

Befitting of Subaru's flagship performance model, the exterior design expresses the strong presence of an ultimate AWD performance car with aggressive yet refined styling.

- The front end was built using a nose cone design for a dynamic solid shape, starting with Subaru's unified design motif, the hexagonal grille. The intrepid shape of the new hawk-eye headlights is paired with the aggressive wide and low styling the WRX STI is known for.
- For side design, the bottom end of the A-pillar was extended 200 mm toward the front from the previous model and the C-pillar now smoothly transits into the trunk surface for a flowing silhouette. Front fender ducts and special sharp side sill spoilers show off the sporty nature of the WRX STI.
- The rear design further enhances the WRX STI's appeal as a performance model. The diffuser-integrated bumper and twin dual mufflers emphasize the low center of gravity and driving performance. Specially designed rear combination lamps were given a thin shape to highlight vehicle width. A large rear spoiler also enhances aerodynamic performance and presents the top grade model of the WRX series.
- A shark fin antenna is used to match the body and add more refinement to the styling.
- New alloy wheels (18x8 1/2J) were designed to be more rigid and lighter.
- LED lighting is employed for the headlights (low beams and clearance lamps)^{*1}, tail and brake lights and high-mounted brake light in an effort to improve fuel efficiency by saving power.
- Exclusive letters "STI" rest on the exterior parts such as a front grille and front fenders.
- WR Blue Pearl and Crystal White Pearl are two new exterior colors.

*1: Manufacturer-installed option

< Interior >

The WRX STI interior is all about high performance. The driver's seat was designed to be like a cockpit—the moment the driver opens the door, they get transported miles from their daily life.

- Decorative carbon trim panels and metal trim accents have been arranged around the interior, centered on the controlling elements. This gives the interior a quality feel and harkens back to the WRX STI racing image. The red accents on seats, shift lever and center of instrument panel are exclusive features for the WRX STI.
- The interior is solid black from roof to floor, bringing the whole interior together and allowing the driver to concentrate on driving. Quality materials soft to the touch are used in places the passenger will touch frequently for a more quality interior feel.
- For the first time, the WRX STI gets a D-shaped steering wheel for a sportier impression. The grip shape is easy to hold onto with a small diameter for improved operability and tactile feedback, making for a more appealing driving experience.

- Befitting a high performance vehicle, the seats are designed with superior holding ability. The headrests were also embossed with an “STP” logo on their front.
- The meters employ a dual dial layout with horizontal needles, 3.5-inch full color liquid crystal display and aluminum rings for improved functionality and a quality feel. The attention to detail gives a refined, performance feel of a high performance car. The red-based lighting elicits a performance racing image, made even more noticeable by its contrast with the white needles.
- As another racing symbol, the multi-function display is equipped with a boost pressure display screen.
- Models equipped with navigation systems support Aha Radio ^{*2}.
- The WRX uses harman/kardon audio systems custom tuned to acoustically fit the WRX.

^{*2} A service by the Aha Radio Division of Harman International providing internet radio and other various content.

<Major specifications (US specifications)>

Body size (Overall length / width / height): 4,595 x 1,795 x 1,475 mm^{*3}

Wheelbase: 2,650 mm

Engine: 2.5-liter Horizontally-Opposed turbo engine

Displacement: 2,457 cc

Transmission options: six-speed manual

Maximum output: 305 hp / 6,000 rpm

Maximum torque: 290 lb.-ft. / 4,000 rpm

Tire size: 245/40 R18

Seating capacity: 5

^{*3} Roof surface is 1,465 mm

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