

2013 Scion FR-S Brings the SPORT Back to the CAR

November 30, 2011

Los Angeles – November 30, 2011 – Scion tonight unveiled its 2013 FR-S compact rear-wheel drive sports car to a crowd of eager car enthusiasts. The high-performance coupe is the fifth model to join the Scion family and will go on sale in the spring of 2012.

The FR-S, which stands for Front-engine, Rear-wheel drive, Sport; is Scion's definition of an authentic rear-wheel-drive sports car with exceptionally balanced performance and handling, compelling style, flexible utility and surprising MPG.

“Serving as a laboratory for Toyota, Scion is always experimenting with new things,” said Jack Hollis, Scion vice president. “The brand is iconic with the xB, adrenalized by the tC, and groundbreaking with the iQ. The FR-S will no doubt serve as the halo car, expanding Scion into a new dimension of driving performance.”

The FR-S is a true “scion,” born into a lengthy history of Toyota performance cars and motorsports. The sports car is most inspired by the AE86 generation of the Corolla, better known as the *Hachi-Roku*, meaning “8-6” in Japanese. The front-engine, rear-wheel-drive coupe was lightweight and well balanced, making it a solid choice for driving enthusiasts.

Inspired by the AE86, the FR-S is designed around the core goal of achieving, “Pure Balance.” The balance begins with the strategic use of the world's only flat boxer engine in a front-engine, rear-wheel drive configuration. The engine's compact size and flat shape allow it to be mounted mid-ship and extremely low, giving the car a dynamically favorable front-to-rear weight ratio of 53:47 and a low center of gravity comparable to some exotic supercars.

The FR-S's 2.0-liter, naturally aspirated four-cylinder engine is the result of a joint development between Toyota and Subaru. The partnership begins by combining Subaru's newly developed horizontally opposed engine and Toyota's cutting edge D-4S injection system that incorporates both direct and port injection. The D-4S system, partnered with a high 12.5:1 compression ratio, results in an impressive 200 horsepower and 151 pound-feet of torque.

“We all know that it's not hard to make horsepower and torque, but it is hard to do all that and still achieve impressive fuel economy,” Hollis said. “The FR-S accomplishes all three.”

The flat-four mates with either a six-speed manual or a six-speed automatic transmission. The manual offers quick, precise shifts with a short-throw; while the automatic transmission features aggressive up shifts and sporty rev-matched down shifts that are initiated by steering-wheel-mounted paddle shifters. Power is transferred to the pavement via a limited-slip differential.

The idea of “Pure Balance” is further realized by the FR-S's lightweight design and compact size. The combination allows the car to be quick and nimble into and out of corners, with dynamic maneuverability and confident handling. The coupe's weight is kept to a minimum by utilizing an aluminum hood, a solid roof, and by featuring a trunk design instead of a hatchback.

The FR-S's low weight is matched with a dynamically tuned suspension setup consisting of MacPherson struts

up front and a double wishbone system in the rear. Lightweight 17-inch alloy wheels and ventilated disc brakes are on all four corners.

The fierce exterior of the FR-S is a solid reflection of its inner power. The profile, inspired by the Toyota 2000GT, reveals a hood and roof-line that is remarkably sleek and low, giving it an aerodynamic shape that channels air cleanly over to the top. The low stance continues to exaggerate the coupe's menacing face, which is made up of sharp lines, a wide mouth and angular headlights. The aggressive front fenders protrude upward and boast the iconic '86' piston emblem, which highlights the car's AE86 heritage as well as its unique new boxer engine. The rear fascia sits low and wide, with aerodynamic lower treatments that surround the sporty dual exhaust system. LEDs illuminate the edgy taillights, while center-mounted backup lights finish the muscular design.

The FR-S's interior features a 2+2 seating configuration that is designed with both form and function in mind. The front seats are mounted extremely low and are comfortable yet assertive, while the rear seat folds down flat, creating flexible space. The large center-mounted tachometer is the focus of the three-gauge cluster, keeping the driver informed of the engine's vitals. Speed is monitored by both digital and analog gauges.

Scion FR-S Preliminary Specifications

Length		166.7 in.
Width		69.9 in.
Height		51.2 in. (not including antenna base)
Wheelbase		101.2 in.
Track	Front	59.8 in.
	Rear	60.6 in.
Seating capacity		4
Engine	Total displacement	1,998 cc
	Type	Horizontally opposed four-cylinder, D-4S injection, DOHC
	Bore × stroke	86 × 86 mm.
	Maximum output	200hp @ 7,000 rpm
	Maximum torque	151 lb.-ft. @ 6,600 rpm
Transmission		6-speed manual or 6-speed automatic with paddle shifters
Driveline		Rear-wheel drive
Suspension	Front	MacPherson struts
	Rear	Double wishbone
Brakes	Front	Ventilated Disc
	Rear	Ventilated Disc
Tires	Front	215/45R17
	Rear	215/45R17
Fuel tank		13.2 gallons
Fuel		Premium Unleaded