

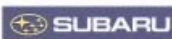
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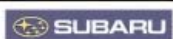
*Due to this article's content, it appears within the Transport section in the following areas:  
Hybrid, Manufacturers.*

## SUBARU UNVEILS HIGH-PERFORMANCE HYBRID FOR TOYKO

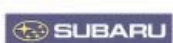


 SUBARU Subaru B5-TPH (Turbo Parallel Hybrid) Tokyo Concept Press Office 0121 522 2000  
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Symmetrical all-wheel drive specialist, Subaru, is to display a high-powered concept car at the '39th Tokyo Motor Show' which is also an environmentally-conscious hybrid.

Called the B5-TPH, for 'Turbo Parallel Hybrid', the three-door coupe combines a 260 PS 2.0 litre 'boxer' engine with an electric generator/motor fitted between the engine and transmission.

This provides a low-cost solution to giving driving enthusiasts lively acceleration and a high top speed but with excellent fuel consumption and low exhaust emissions.

The four-cylinder horizontally-opposed petrol engine features a Miller Cycle system which improves engine efficiency by reducing pumping losses thanks to a combustion expansion stroke that is longer than the compression stroke.

Normally this system makes an engine sluggish at low speeds but thanks to the electric motor, standing-start torque is boosted beyond even an Impreza Turbo's.

The electric motor itself produces 10 kW and 150 Nm torque while the petrol engine has a 191 kW output with 343 Nm torque.

A new type of manganese lithium ion battery charges to 95 per cent capacity in five minutes and operates not just in city driving but also when cruising.



The design of the Subaru B5-TPH itself is a striking one featuring smooth contours and a large tailgate, hinged just behind the B-post.

Its 'crossover' theme combines the practicality of a hatchback, fun of a coupe and all-terrain ability of a SUV, complete with a 200 mm ground clearance.

Meanwhile, Subaru's much-admired full-time symmetrical all-wheel drive and low-centre-of-gravity 'boxer' engine ensures agile handling.

But while the B5-TPH continues the theme of previous concept cars such as the B11S and B9 Scrambler, the concept is not meant to hint at any future Subaru models.

The Subaru B5-TPH will be revealed on the first Press Day of the '39th Tokyo Motor Show' on Wednesday, 19 October.

A press briefing takes place between 11.40 am and 12 noon at the Subaru booth (East Hall) where President Kyoji Takenaka will make a presentation.