

Toyota Develops New Series of Gas Engines That Will Boost Fuel Efficiency At Least 10%

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Toyota City, Japan – Toyota will soon introduce vehicles globally with a series of newly-developed, highly efficient gasoline engines that achieve outstanding thermal efficiency¹ and fuel efficiency improvements of at least 10%.

The new engines leverage combustion and loss-reduction technologies Toyota has refined in its dedicated hybrid engines. Two engines will form the base of the new series. The first is a 1.3-liter gasoline engine using the Atkinson cycle normally used in dedicated hybrid vehicles that achieves a maximum thermal efficiency of 38 percent — top-level among mass-produced engines. The second is a 1.0-liter gasoline engine, jointly developed with Daihatsu Motor Co., Ltd., that has achieved maximum thermal efficiency of 37 percent.

The new engines will be used in models scheduled for partial redesign in the near future, and a total of 14 engine variations will be introduced globally by 2015.

For more details on the engines and innovations Toyota used to develop them click here:

<http://newsroom.toyota.co.jp/en/detail/mail/1693527>

¹Numerical expression showing how much of the thermal energy generated by burning fuel is converted into effective power. The higher the thermal efficiency, the lower the fuel consumption.