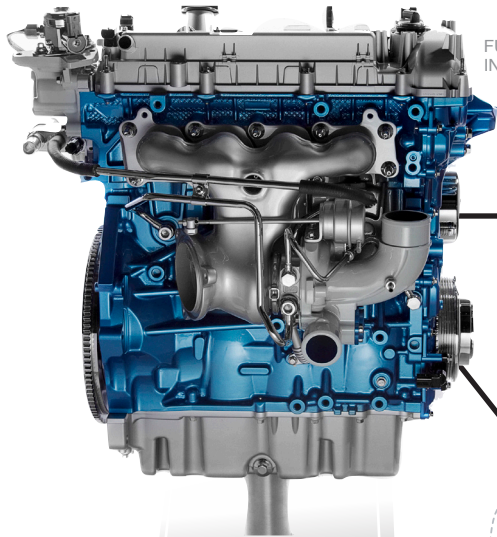




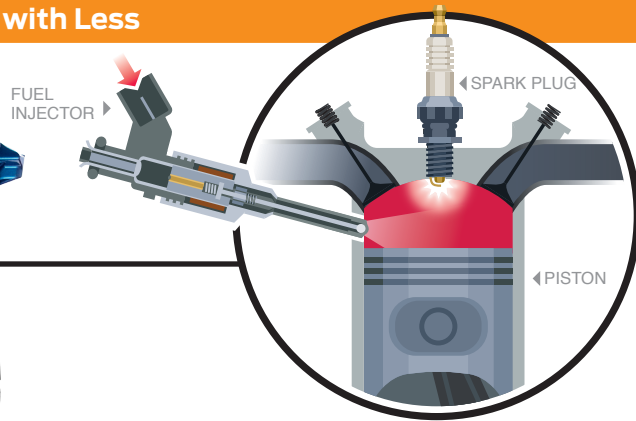
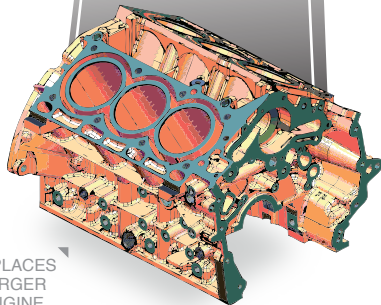
Ford EcoBoost Engine Technology: More with Less

It's a simple fact: Even with advancements in technology, the majority of vehicles worldwide – millions of vehicles – will be gasoline powered. Ford's new EcoBoost™ gas-turbo direct-injection engines can help provide up to 20 percent better fuel economy without sacrificing power that drivers want.

How Ford's EcoBoost Does More with Less



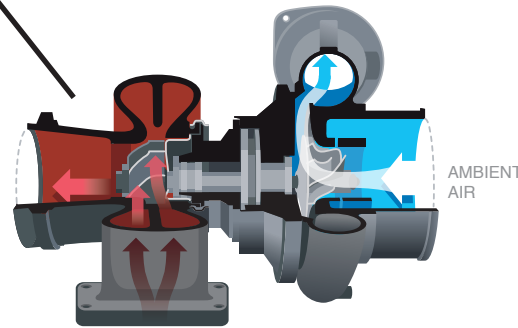
REPLACES LARGER ENGINE



Gasoline Direct Injection

Highly pressurized fuel is injected directly into the combustion chamber of each cylinder rather than traditional mixing with the incoming air in the inlet port.

Advantages include more precise delivery of fuel for lower emissions, improved volumetric efficiency and avoidance of knock for better performance and fuel efficiency.



Turbo Power

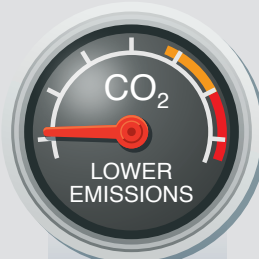
Energy from the engine's exhaust – that would otherwise be wasted – is used to rotate a turbine wheel.

The turbine is coupled to a compressor that pressurizes the incoming air, significantly increasing the output per liter of the engine. The traditional disadvantages of boosting – turbo lag and knock – are mitigated by the synergy with direct injection.

Cost Savings

With EcoBoost's more efficient use of fuel, drivers experience fewer trips to the gas pump, while not having to sacrifice performance in order to make the world a better place for all.

UP TO 20 PERCENT FUEL ECONOMY IMPROVEMENT



UP TO 15 PERCENT REDUCTION IN CO₂ EMISSIONS

IMPROVED ENGINE PERFORMANCE

