DS Genuine Technology Co., Ltd

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ENGINE PARTS

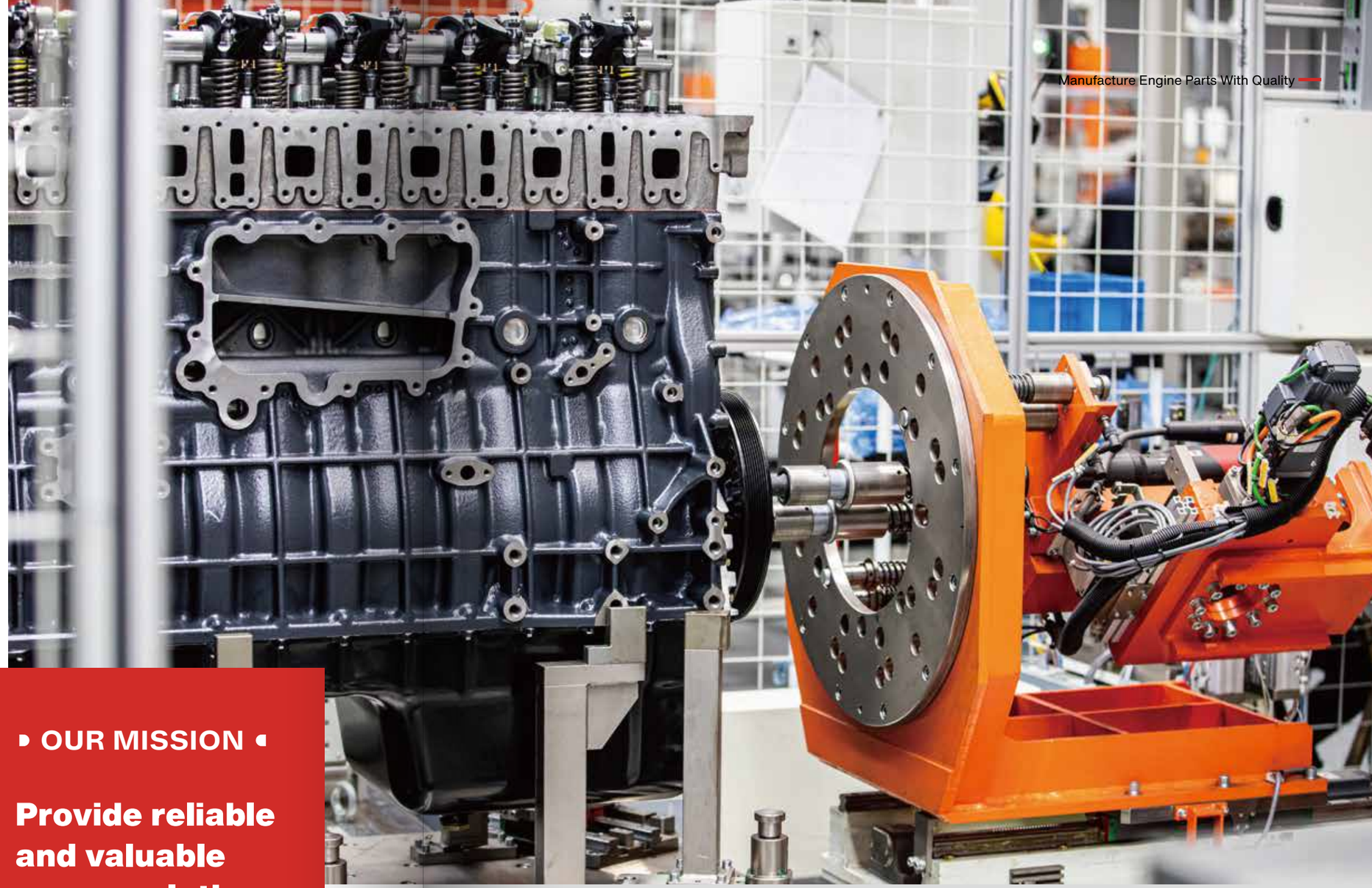
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INTRODUCTION

OUR COMPANY

DS GENUINE is an enterprise specialized in research, development, manufacturing and service of core parts of diesel engines. Since its establishment in 2012, We have been adhering to the concept of professional, focused and in-depth research. After more than ten years of steady development and strategic upgrading, DS has successfully transformed from an outstanding parts dealer to an engine core component solution provider with independent manufacturing capabilities and technologies.

At present, we have two engine parts manufacturing factories, fuel system factory and turbocharger actuator factory. Our products are not only used to meet the after-sales market, but also supplied to the world's famous engine plants.



OUR MISSION

Provide reliable and valuable power solutions worldwide.

A technology-driven manufacturer and global supplier, integrating R&D, production, and sales in the automotive aftermarket and OEM sectors.

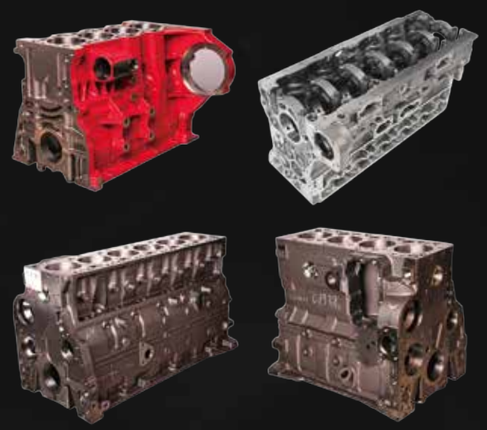




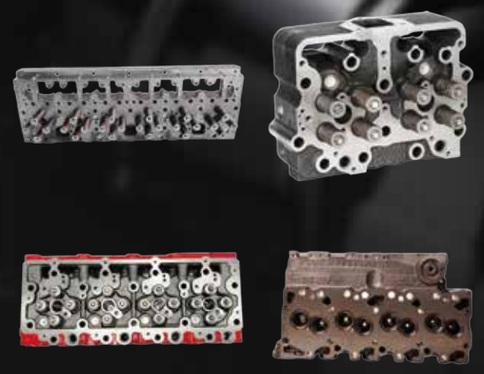
CRANKTRAIN

As the structural backbone and core moving mechanism of the engine, the crank-connecting rod system converts the piston's reciprocating linear motion into crankshaft rotation, and transforms combustion thermal energy into output mechanical energy.

Cylinder Block



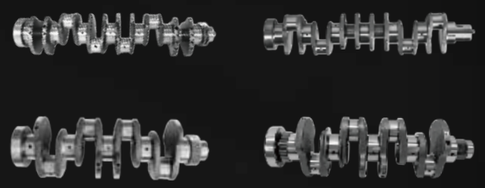
Cylinder Head



Camshaft



Crankshaft



Cylinder Liner



Piston



FUEL INJECTION SYSTEM

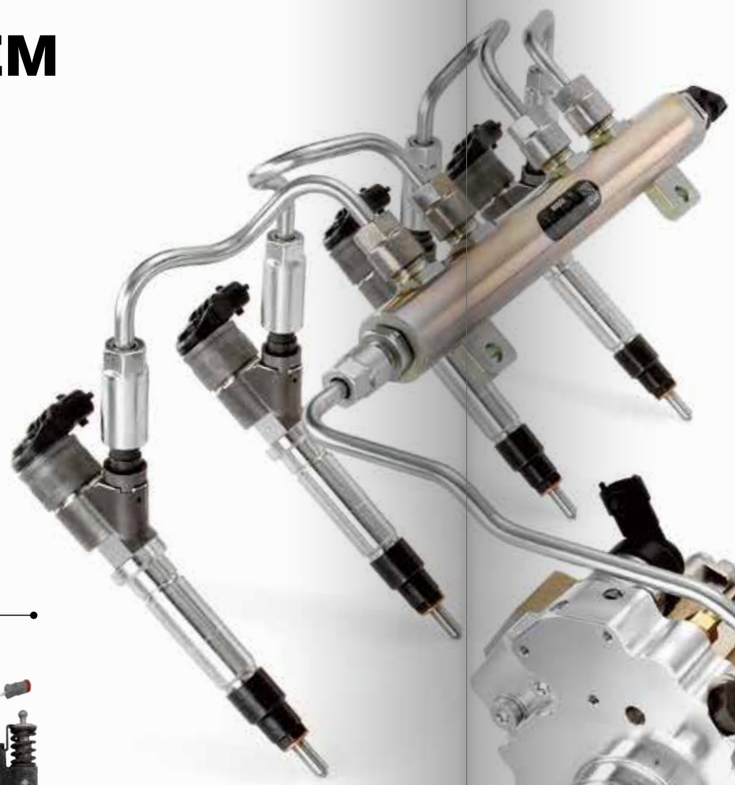
The fuel system acts as the engine's heart, precisely and safely managing and delivering fuel to ensure that the engine can efficiently convert the chemical energy of the fuel into mechanical energy.

Fuel Injector



Fuel Injection Pump









Fuel Manifold





ELECTRICAL & ECM CONTROL SYSTEM

The electrical system is like the vehicle's 'nervous system' and 'brain'—it supplies power to all electrical devices on the vehicle, ensures stable operation, supports the vehicle in performing various complex functions, and monitors and displays vehicle operating information.

ECM






Starter




Alternator




LUBRICATION & COOLING SYSTEM

The Lubrication & Cooling System plays a dual role as both a 'temperature regulator' and a 'lubrication guardian.' Its core function can be summarized as: removing excess heat generated during engine operation and keeping the oil temperature within its optimal operating range, thereby ensuring the oil's lubricating properties, protecting engine components, and extending the engine's service life.

Water Pump








Oil Pump






Oil Cooler Core




Oil Pan




TURBO SYSTEM



The turbo system can be vividly likened to the engine's 'powerful lungs.' Its core function can be summarized as: without increasing engine displacement, it raises intake pressure and density to force more air into the cylinders, thereby significantly boosting engine power and torque, while simultaneously improving fuel economy and emission performance.

Turbocharger



VGT Turbo Actuator



EXHAUST & AFTERTREATMENT SYSTEM



The exhaust and aftertreatment system plays a dual role in the engine as both a 'scavenger' and an 'environmental guardian.' Its core function can be summarized as: efficiently and safely expelling the exhaust gases produced after combustion, and through a series of chemical and physical processes, converting harmful substances in the exhaust—such as carbon monoxide (CO), hydrocarbons (HC), nitrogen oxides (NOx), and particulate matter (PM)—into harmless or less harmful substances before releasing them into the atmosphere. This ensures compliance with increasingly stringent environmental regulations while also controlling exhaust noise.

Urea Pump



Nox Sensor



Exhaust Manifold



ENGINE MODELS



DS GENUINE has held up our commitment to delivering high-quality engine spare parts to customers around the globe.

The Engine Models We Can Provide Include:

4B3.9 6B5.9 6C8.3 ISBe ISDe ISLe QSB
ISM/M11 NT855 KTA19 KTA38 KTA50
Few spare parts of QSK,N14 and ISX15

APPLICATION

Cummins serves as a technological frontrunner and market leader in the global diesel and diversified powertrain industries. Its solutions are extensively deployed across both on-highway and off-highway applications, penetrating virtually every segment of modern industrial operations.

ON-HIGHWAY


Pickup



School Bus


Heavy-Duty Truck

OFF-HIGHWAY


Agriculture


Construction


Gense


Marine


Mining