

Service

Components Care Centers

The one-stop solution for responsive servicing, maximum uptime and high productivity.

Encompassing Change

With new emissions standards owing to extended care for the environment, we at Cummins, also extend our boundaries to serve our customers "on the go".

With increasing complexities in BSVI electronic engines, after treatment system, fuel system, On-board Diagnostic (OBD) requirements and engine brakes; Cummins ensures a highly capable and responsive service network to maintain best-in-class after-sales service and support to our customers.

We bring to our customers, a one stop solution to fulfill sales and service related requirements for all Cummins Components - the Components Care Centers (CCC). These are special care centers exclusively for the entire range of Cummins components - a first of its kind in India.

Equipped with world-class laboratories, dedicated workstations with latest technologies and technicians on site, these Centers cater to all components service requirements for BSIV and BSVI emission norms.

On the job technicians will be equipped to provide prompt solutions to any service request using the latest support technologies. They will be trained with our agile training programs devised as per the changing norms and requirements.

Why Choose Cummins Components Care?

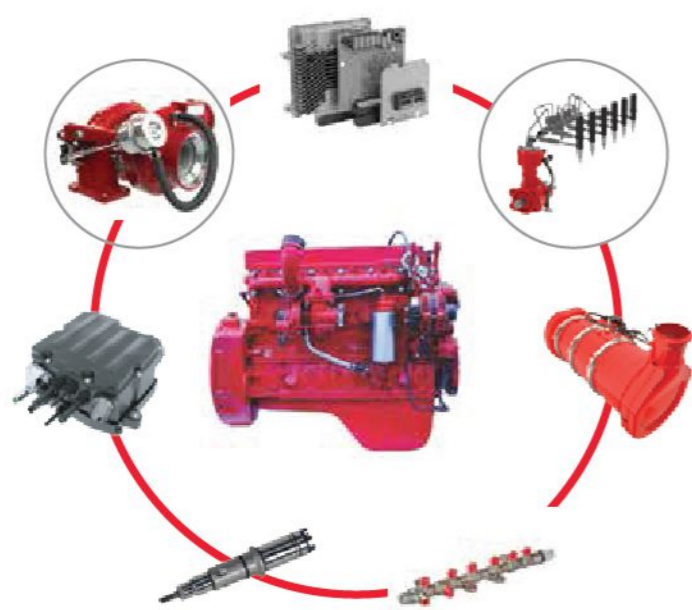
- Experts with advanced technical training
- Latest support technologies
- Unmatched network of aftermarket support
- Unparalleled service quality across the country
- A comprehensive solution for all component related services for BSIV and BSVI emission norms

More than all-Inclusive, it's simple.

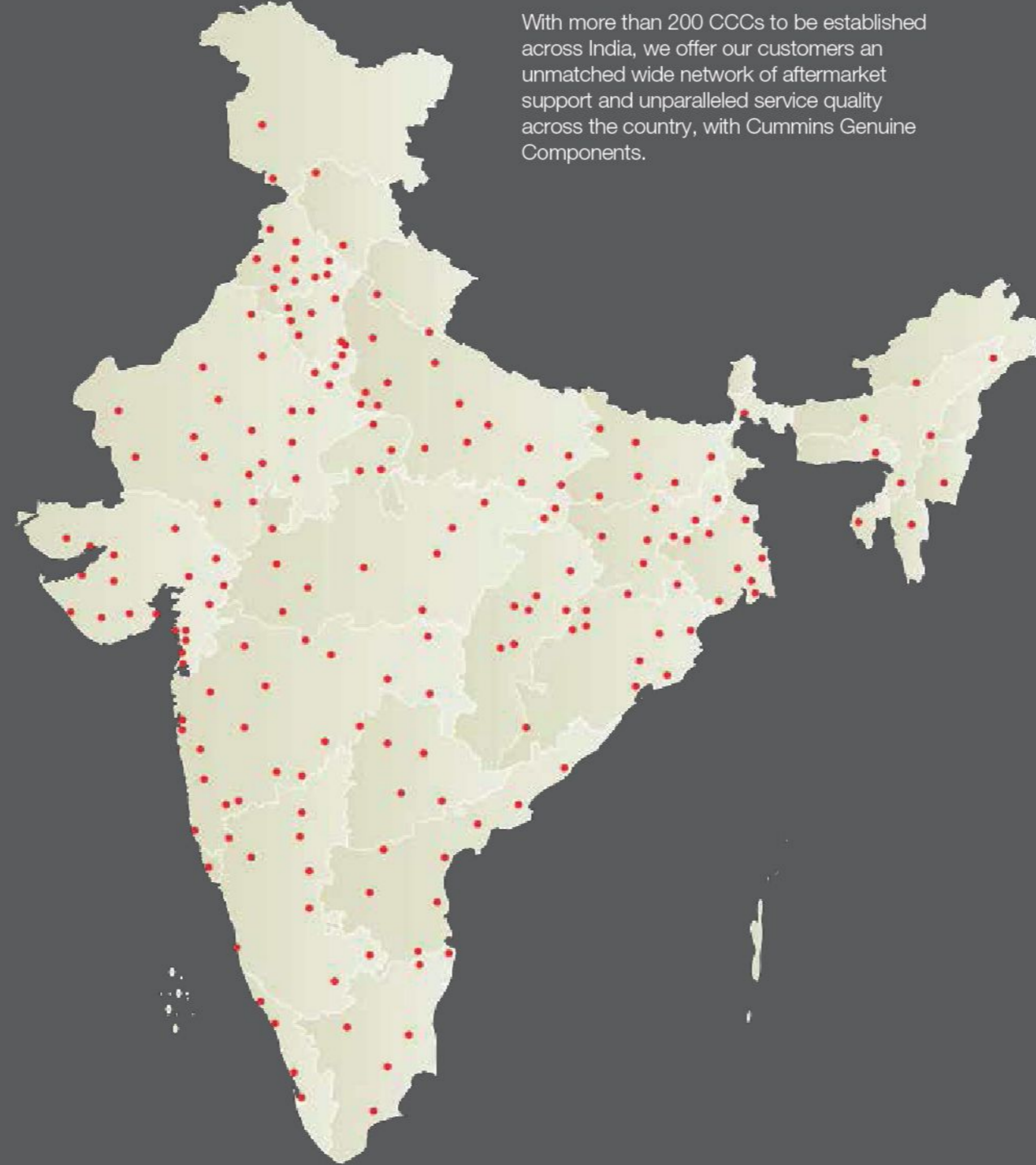
Components Care Center Service Portfolio includes



Our product scope includes components for Aftertreatment, Air Handling, Fuel Systems and Electronic Controls



Our Reach



200+ Component Care Centers

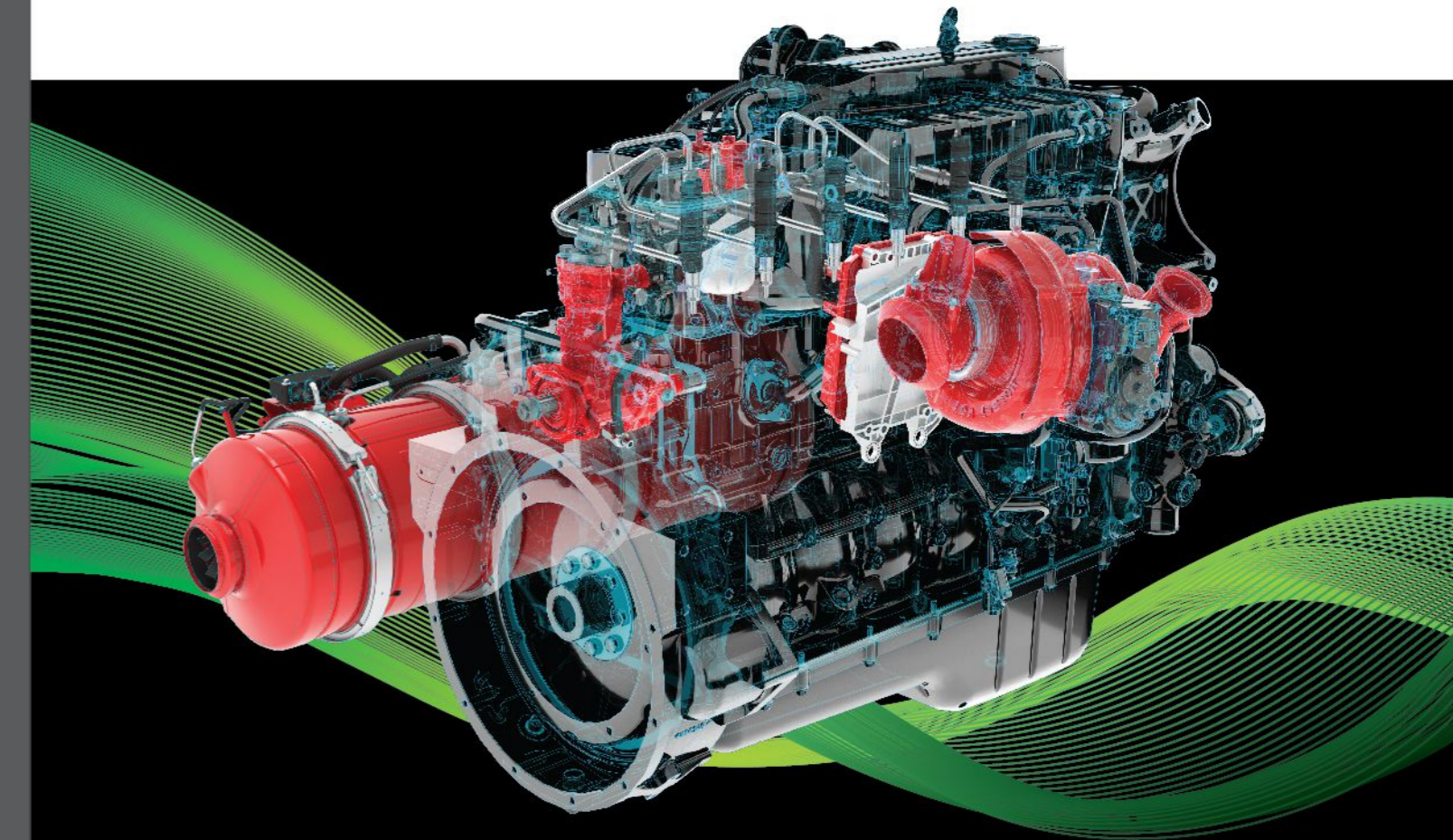
Beyond Support

With more than 200 CCCs to be established across India, we offer our customers an unmatched wide network of aftermarket support and unparalleled service quality across the country, with Cummins Genuine Components.



Cummins Components

System solutions that make higher efficiencies and lower operating costs simple to achieve



Cummins component technologies deliver integrated solutions for air handling, fuel and aftertreatment systems that meet increasingly heightened demands for efficiency, durability and optimized performance. With expertise demonstrated across critical engine components, including turbochargers, filters, fuel systems and aftertreatment systems, we offer proven, industry-leading component technologies that maximize value for our customers

Cummins SCR
JO SARAL, WOH SAFAL.



Components Business
Cummins Technologies India Private Limited
Tower A, 6th Floor, Survey No. 21,
Balewadi, Pune - 411045, India
Phone: +91 20 6706 7000
Fax: +91 20 6706 7013
www.cumminsindia.com

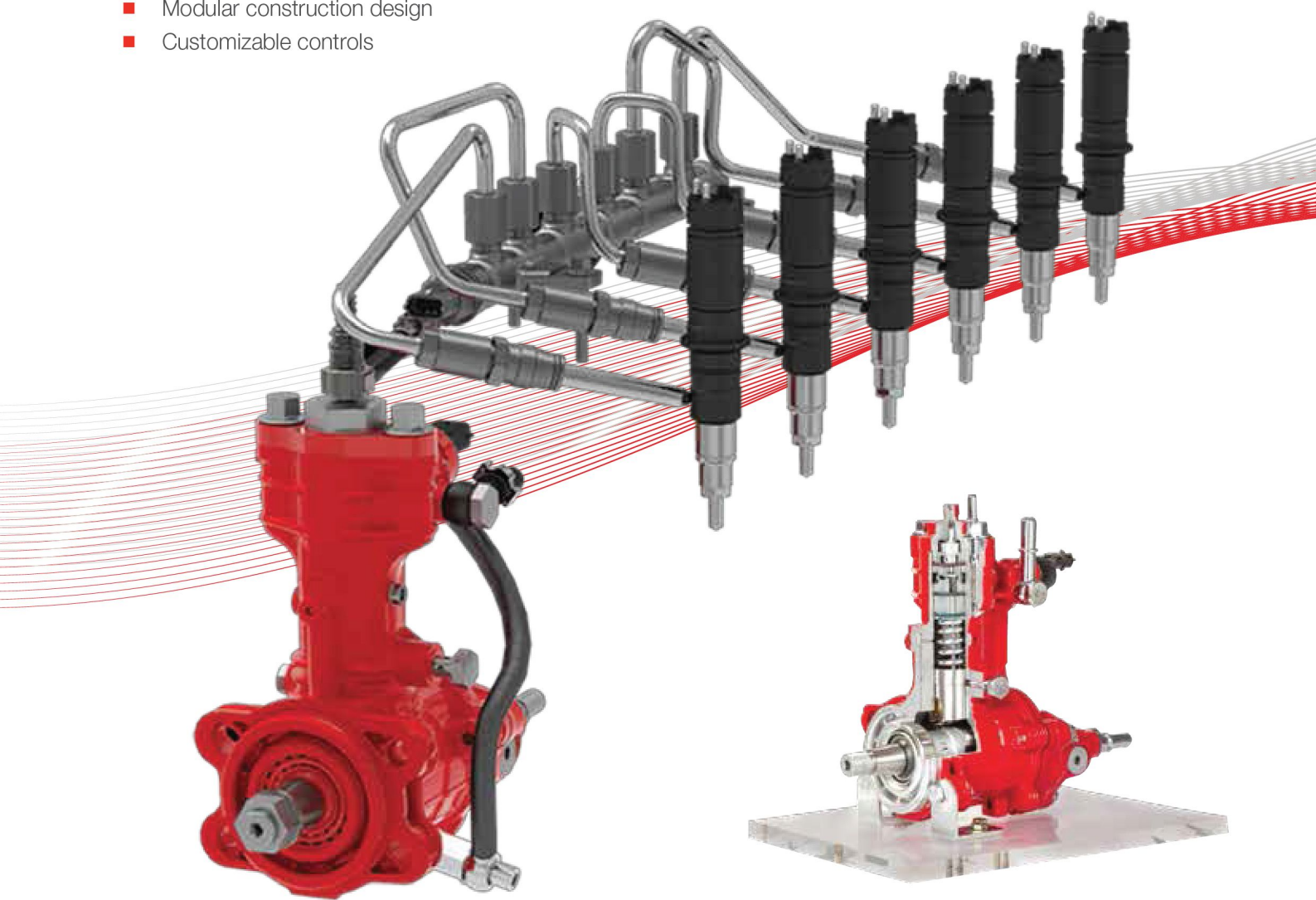
Fuel Systems

New Mid-Range Fuel System

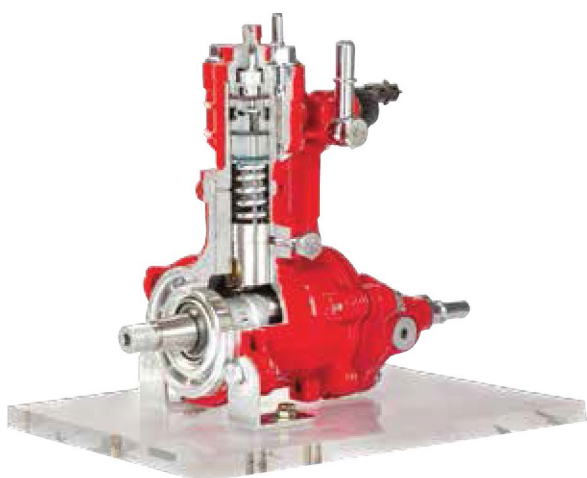
Getting better mileage is easier now

Product Features

- Duty cycle tailored injectors to provide industry leading fuel economy
- Leakless injectors that contribute less parasitic losses
- High capacity, fuel-efficient compact pump
- Modular construction design
- Customizable controls



Common-Rail Fuel Injector



Fuel Pumps



Fuel Rail/Accumulator

Aftertreatment

UA2 Urea Dosing System

Consistently better performance and compliance made simple

Product Features

The air-assisted UA2 Urea Dosing System, an essential part of any selective catalytic reduction (SCR) aftertreatment system, is accurately designed to reduce oxides of nitrogen (NOx) emissions whilst increasing performance and reliability.

Consists of 3 distinct assemblies:

1. The Dosing Unit

- Delivers an atomized urea and air mixture upstream of the SCR catalyst.
- Centerline injection into the exhaust gas flow, minimizing risk of deposits
- Improved contaminate tolerance in the nozzle

2. The Supply Unit

- High-accuracy unit to deliver optimized levels of urea to the injector
- Atomized urea sent through injector into the exhaust system upstream of the SCR catalyst
- Mounting Flexibility – Option to be mounted to tank or chassis
- Uses existing compressed air on the vehicle

3. The Aftertreatment Control Module

- Translates datalink-commanded dosing rates into supply module inputs
- Controls other engineered components in the engine or after treatment system to optimize engine system performance
- CM1880 ECM designed for emerging markets
- In-house built ECM offers full control over after treatment systems



UL2.2 Urea Dosing System

All-weather performance and compliance simplified

Product Features

- The UL2.2 Urea Dosing System is the only liquid-only (airless) dosing system commercially available
- Offers freeze-robust components while also offering high-flow dosing rates unparalleled in today's markets
- Supply Module mounts to the chassis
- Heated by engine coolant
- Injector delivers customized spray angles and flows to optimize the use of DEF fluid
- Cooled by urea recirculation. Electrically heated dosing unit.
- Contains proprietary pressure-swirl atomizer with reinforced 11-layer nozzle



Aftertreatment

Single Module™

Efficiency, emissions control and maintenance made easy

Product Features

- Designed to be both flexible in configuration and yet as small as possible
- Up to 60% smaller in diameter and up to 40% lighter than competitor modular aftertreatment systems
- Improved NOx conversion efficiency from advanced catalyst technologies
- Passive regen minimises need for preventive maintenance
- Optimized urea mixing, reducing risk of deposits
- Smaller, more compact package offers improved thermal management capabilities
- Simplified OBD strategy



Turbocharging

High Efficiency Turbocharger Components

Better fuel economy, reliability, durability, uptime made simple.

Product Features

Optimising the design of turbocharger components helps achieve overall turbocharger efficiency gains, and ensures turbocharger durability while improving fuel economy

Consists of 3 distinct assemblies:

- Mixed Flow Turbine Wheel enables turbine efficiency improvement of 2-3% and lower inertia resulting in improved transient response and fuel economy at key engine operating points
- Compressor Oil Seal Technology improves resistance to oil leakage by 200%; providing robust turbocharger design, even at low engine speeds to meet downspeeding requirements
- Wastegate Blown Diffuser improves turbine stage efficiency by up to 5% resulting in improved fuel economy and reduced CO2



ETV

- Delivers cost effective thermal management solution
- Provides exhaust braking function
- PWM controlled passive actuator
- Application specific customization capability (water cooling, orientation, heat shielding)
- Installed downstream of turbocharger

