



INNOVATION & TECHNOLOGY

Transmission and power catalogue

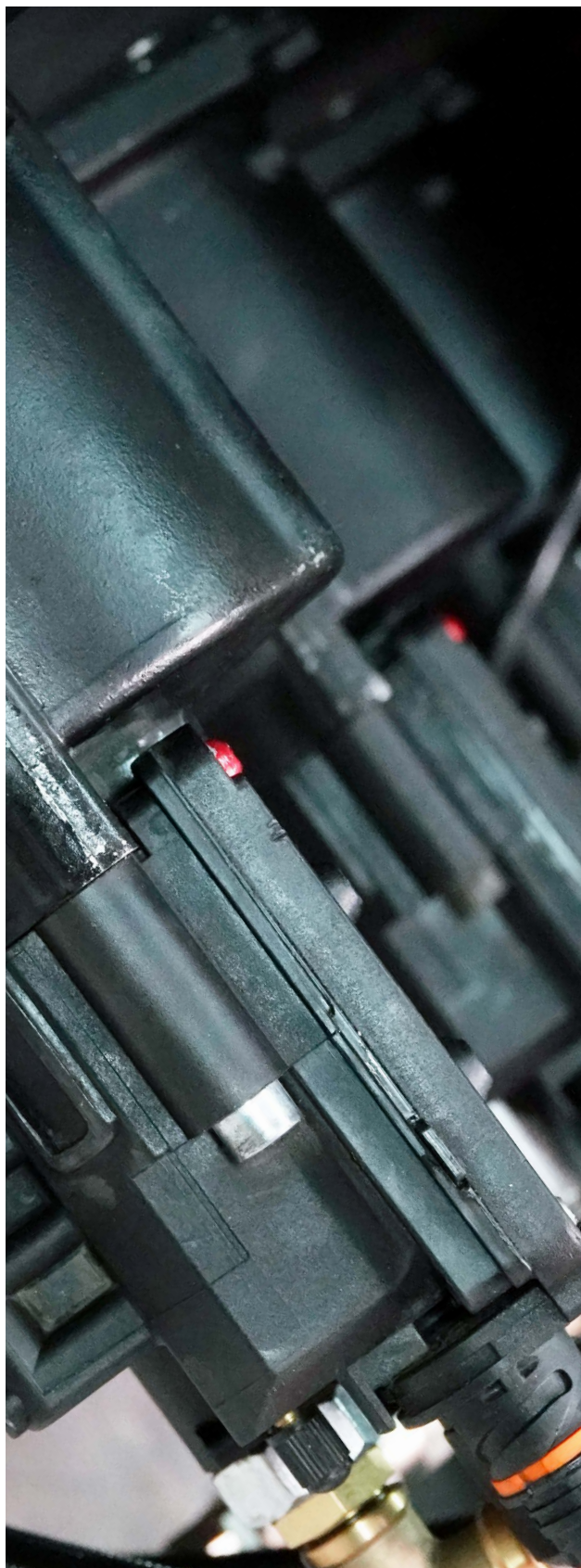


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INTRODUCTION



The transmission system is in charge of managing the engine power correctly in order to reach the optimal balance between the revolutions and the torque that the wheel must have in each driving situation.

In commercial vehicles, the driving scenarios can be quite diverse and demanding, from going up a steep slope at maximum load (with low speed and high torque) to driving on flat ground without trailer to be on time for the next delivery (high speed and low torque requirement). Adapting the vehicle power to these situations is the objective of the transmission system.

Traditional transmission systems were manual and most of their components were mechanical. Nowadays, most new vehicles include automated gearboxes with electronic control. The motivation for this evolution has mainly been the search of greater efficiency, higher speed when shifting gears and less clutch wear.

The technological process of peripheral components in transmission systems has been vital to achieve these goals. Components as the clutch servo or the range shift valves have gone from being purely mechanical elements to becoming products that incorporate solenoid valves and electronic sensors. Thanks to them, modern transmission systems guarantee greater safety and comfort during the driving.

In Cojali, our Engineering Department is in charge of developing and manufacturing the most demanding and innovative components for any transmission system in commercial vehicles.

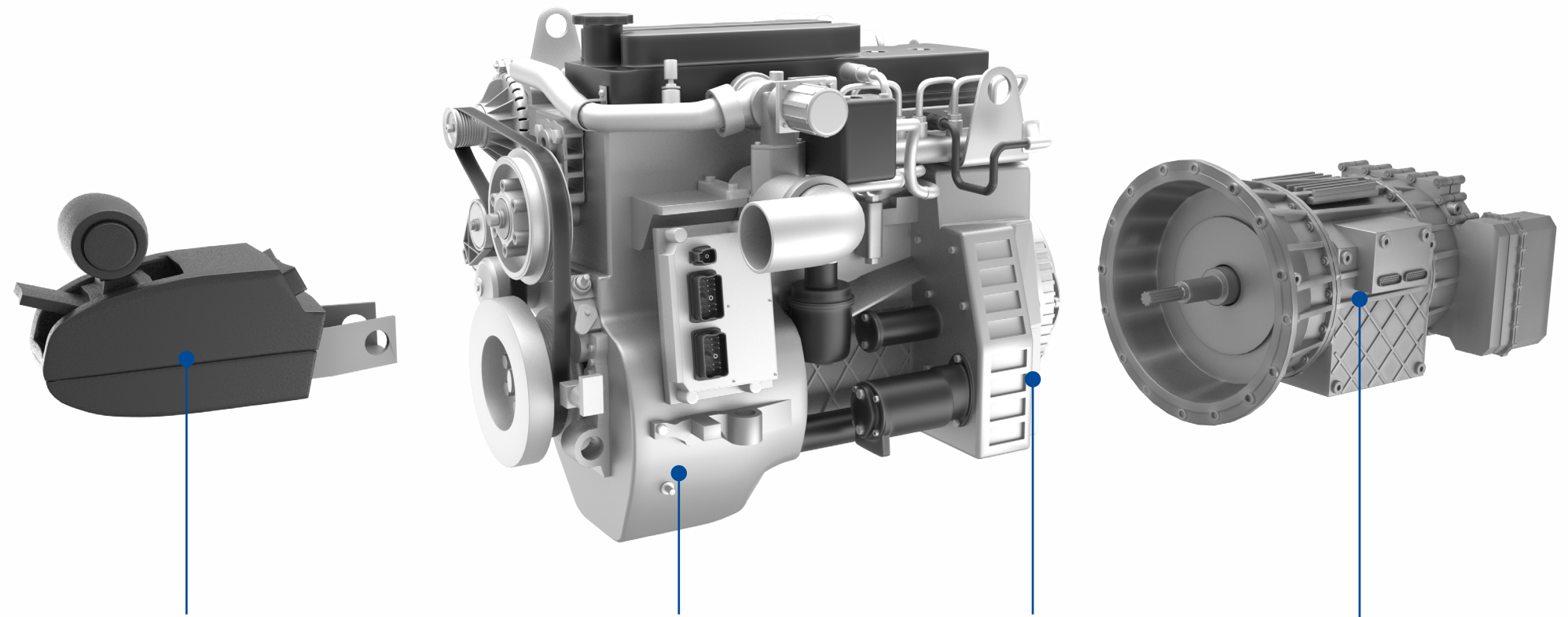


COJALI PARTS

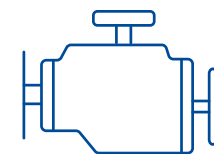
We offer a wide catalogue of components for transmission and power systems of the main brands of truck and bus. Our clutch servos use cutting-edge techniques in hydraulic and pneumatic transmission and they are carefully designed to achieve a split-second response speed.

The transmission systems are quickly transitioning to the inclusion of components that integrate electricity and electronics into these technologies. Thanks to the R+D+i of Cojali and to the extensive experience in electronic systems, our product catalogue is constantly evolving to provide the market with these new hybrid developments.

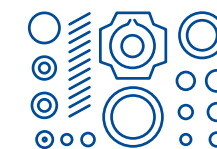
Get to know in depth our clutch servos. Choose Cojali brand.



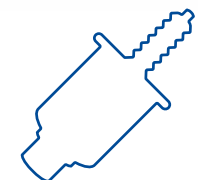
Transmission and power systems



Engine components



Repair kits

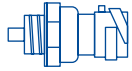


Transmission components





Transmission and power systems



Contacting switch

more info



Gearbox solenoid valve

more info



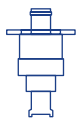
Switch

more info



Gearbox repair kit

more info



Fuel metering module

more info



Gearshift

more info



Accelerator pedal

more info



Knobs

more info



Relay

more info



Accelerator sensor

more info



Gearbox sensor

more info



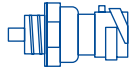
Distance sensor

more info



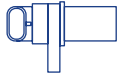


Transmission and power systems



Oil pressure sensor

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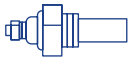
Revolution sensor

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Temperature sensor

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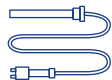
Oil temperature sensor

more info



MAP sensor

more info



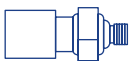
Oil level sensor

more info



Fuel level sensor

more info



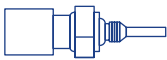
Pressure sensor

more info



Fuel pressure sensor

more info



Fuel temperature sensor

more info





Transmission components



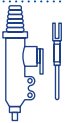
Gearshift actuator

more info 



Shift cylinder

more info 



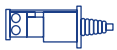
Master cylinder

more info 



Clutch module

more info 



Clutch servo

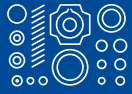
more info 



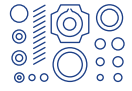
Gearbox valve

more info 





Repair kits



Gearbox repair kit

more info



Master cylinder repair kit

more info



Clutch servo repair kit

more info





Engine components



EGR valve block

more info



Fuel pump

more info



EGR solenoid valve

more info



Engine brake spring

more info



Exhaust brake valve

more info



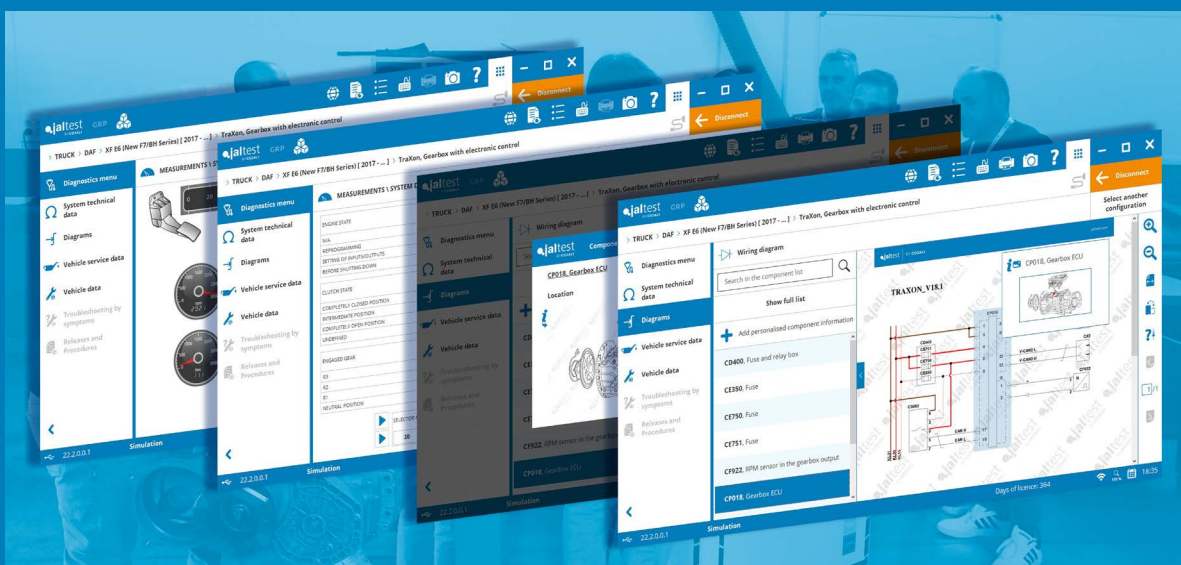
JALTEST DIAGNOSTICS

The diagnostics tools have become indispensable equipment for the maintenance and repair of gearboxes, due to the implementation of the aforementioned sensors.

Jaltest Diagnostics is the multi-brand and multi-system diagnostics tool of Cojali, which has become a leader in the sector due to its extensive capabilities, among which should be noted the detection of issues in gearbox systems, the guidance during the whole repair and maintenance process, or the launch of advance diagnostics processes to perform operations and adjustments intended to meet the anti-pollution standards and increase efficiency.

This is the case of the disassembly and assembly process of the ZF TraXon gearbox, currently installed by many manufacturers of commercial vehicles. Thanks to Jaltest Diagnostics and the new kit of Jaltest Tools, this is now a guided, simple and intuitive process.

Access the
website by
clicking here



JALTEST TOOLS

Jaltest Tools is a range of products intended to provide the workshop with professional equipment according to the technology currently incorporated to the different types of vehicles. Among the several product families, there is the family of special tools. Here it is possible to find a variety of articles that apply to different parts of the vehicle drivetrain, engine, gearbox, differential assembly and axles, and some of them being present in guided procedures within Jaltest diagnostics tool.








It should be highlighted the kit to disassemble and assemble the ZF TraXon gearbox and the tools for measuring the cam deviation of the camshaft in engines D11 and D13 of Volvo and Renault.

Click here to access
our products



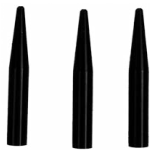













Discover our kit to disassemble/assemble the ZF TraXon gearbox (Ref. 50105173)



Tool	Reference	Name	Description	OEM
	50105173 web 	COMPLETE KIT FOR ASSEMBLY AND DISASSEMBLY	Complete kit for assembly and disassembly	
	50105151 web 	11-BALL BEARING PULLER	Tool designed to ball-11 remove the bearing of the main shaft in ZF gearboxes	1X56.138.295
	50105129 web 	TOOL TO SUPPORT AND POSITION THE GEARBOX	Tool designed to fix the housing and components of the ZF TraXon gearbox before °180 turning	1X56.138.729
	50105159 web 	PROTECTION TOOL	Tool designed to protect the cylinder and housing of the reducer assembly in ZF TraXon gearboxes	AA01.388.796
	50105160 web 	PROTECTION TOOL	Tool designed to protect the cylinder and housing of the range group in ZF TraXon gearboxes	AA01.388.799
	50105158 web 	TOOL TO ASSEMBLE THE SEAL	Tool designed to assemble the external seal of the range group, reducer assembly and main shaft of the ZF TraXon gearbox	1X56.138.744
	50105155 web 	TOOL TO DISASSEMBLE/ ASSEMBLE THE PRIMARY SHAFT AND FORKS	Tool designed to assemble and disassemble the primary shaft and fork axles in ZF TraXon gearboxes	1X56.138.730



Tool	Reference	Name	Description	OEM
	50105152 web 	TOOL TO DISASSEMBLE/ ASSEMBLE THE PRIMARY SHAFT	Tool designed to assemble and disassemble the primary shaft in ZF gearboxes	1X56.138.216
	50105154 web 	KIT TO ASSEMBLE THE SYNCHRONISER (PIECES 3) RING	Tool designed to assemble the synchroniser ring of the splitter group in ZF gearboxes	1X56.138.081
	50105157 web 	TOOL TO ASSEMBLE THE BRAKE PLUNGER	Tool designed to assemble the brake plunger in ZF TraXon gearboxes	1X56.138.737
	50105161 web 	TOOL TO POSITION THE OIL TUBES	Tool designed to position the oil lines and place the clutch housing in ZF TraXon gearboxes	1X56.138.733
	50105162 web 	TOOL TO POSITION THE OIL TUBES	Tool designed to position the oil lines and place the clutch housing in ZF TraXon gearboxes	1X56.138.734
	50105156 web 	PROTECTION TOOL units required 3*	Tool designed to avoid damage on the actuator cylinder walls with the fork axles and to protect the seals during the assembly in ZF TraXon gearboxes	1X56.138.731
	50105153 web 	KIT TO ASSEMBLE THE SYNCHRONISER (PIECES 6) RING	Tool designed to assemble the range synchroniser ring in ZF gearboxes	1X56.138.207





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