

NEO Diagnostics: Advanced Diagnostics for Knorr-Bremse systems

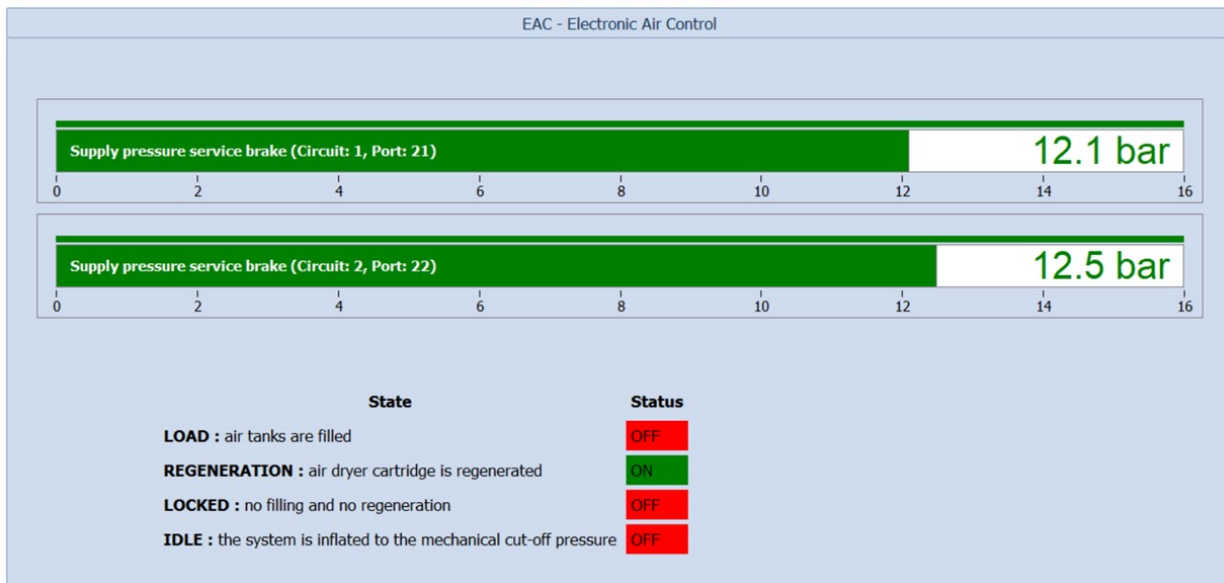
Knorr-Bremse's NEO System Diagnostics addresses the specific demands of workshops for advanced diagnostics of Knorr-Bremse systems, including the ability to safely replace related component ECUs. Knorr-Bremse TruckServices Training Courses, which can be performed either in-house or at a Knorr-Bremse training facility, provide practical training on the system's broad range of functions and ensure efficient use of the diagnostics tool from the very outset.

NEO offers automated testing and measurement routines enabling workshops to efficiently provide professional diagnostic services for Knorr-Bremse commercial vehicle electronic systems. NEO can be directly linked to the braking system's ECU, and offers automatic or semi-automatic recognition of the system, irrespective of vehicle manufacturer or configuration.

NEO can communicate with the vehicle's electronic systems, carry out measurements, conduct diagnosis, provide clear service instructions and ultimately check that the servicing has been carried out correctly. With its user friendly interface, the software provides accessible, detailed advice on systems and required servicing.

EBS - Electronic Braking System - Fault Codes	
A	53225 Fault description: Yaw rate sensor, calibration not finished Additional data: Occurrence count:29, First occurrence:2022-11-22 12:16:26, Last occurrence:2022-11-22 17:35:47 Repair hint: - Check the yaw rate sensor for proper installation and mounting. - Calibrate the yaw rate sensor.
	52001 Fault description: Yaw rate sensor, configured but not installed. Additional data: Occurrence count:3, First occurrence:2022-11-22 12:16:26, Last occurrence:2022-11-22 14:05:09 Repair hint: - Check whether a yaw rate sensor is present. - Check the cables between the EBS ECU and yaw rate sensor. - Execute other EPM related tests before. - If other yaw rate sensor errors are present, then correct them first.
	17010 Fault description: CAN network, no communication with other network participants Additional data: Occurrence count:26, First occurrence:2022-11-22 12:19:01, Last occurrence:2022-11-24 11:15:03 Repair hint: - Check the other network participants and their cables for errors.
	Fault description: EBS ECU, CAN communication with engine control (EMS) interrupted. Additional data: Occurrence count:2, First occurrence:2022-11-22 14:45:10, Last

Display of DTCs and Repair Hints



Example of a Manual Test

NEO Green Benefits

- + Direct access to original Knorr-Bremse system information and wiring diagrams.
- + Safe ECU replacements with a check on the correct replacement part to use and the ability to downgrade / upgrade the ECU's firmware if needed.
- + Repair hints related to displayed DTCs.
- + Take advantage of Knorr-Bremse's know-how to perform the right manual tests at the right time.
- + With V22, Neo Green software is compatible with the following Link VCI hardware from Cojali: Jaltest Link V8.1 or greater and Jaltest Link V9.

The NEO green software runs on any Windows®-based computer. Minimum hardware requirements are specified in Knorr-Bremse document Y037389, available for download from <https://mytruckservices.knorr-bremse.com>.

Supported Knorr-Bremse systems

- + EBS2, EBS5 and EBS5.x Brake Systems
- + EBS7 Brake System
- + ABS Brake Systems
- + EAC Electronic Air Control
- + iAPU Intelligent Air Processing Unit systems
- + FLC20 and FLR21 Driver Assistance Systems
- + ELC5 Electronic Levelling Control systems
- + EPB Electronic Parking Brake Systems
- + SCM Screw Compressor Modules [partial support]



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