



B12.3.3.5





VOLKSWAGEN



MODELS' RANGE

Filter by

ALL

MODEL

Gazel 2.1 TD [1997 - ...], engine: 5602

Gazel 2.7 TD [2007 - ...], engine: ADCR110

[GAZ]



B12.3.3.5

TRAILER

TRAILER USA

TRAILER

TRAILER USA



B12.3.3.5

SYSTEM TYPE

Filter by

ALL



SYSTEM

Bendix, TABS 6, Antilock braking system

MID 137, ABS SAE, Antilock braking system

Meritor Wabco, Easy Stop I, Antilock braking system

Meritor Wabco, Easy Stop II, Antilock braking system

Model selection

Systems autodetection

[TRAILER USA] [Trailer]



B12.3.3.5

SYSTEM TYPE

Filter by

ALL



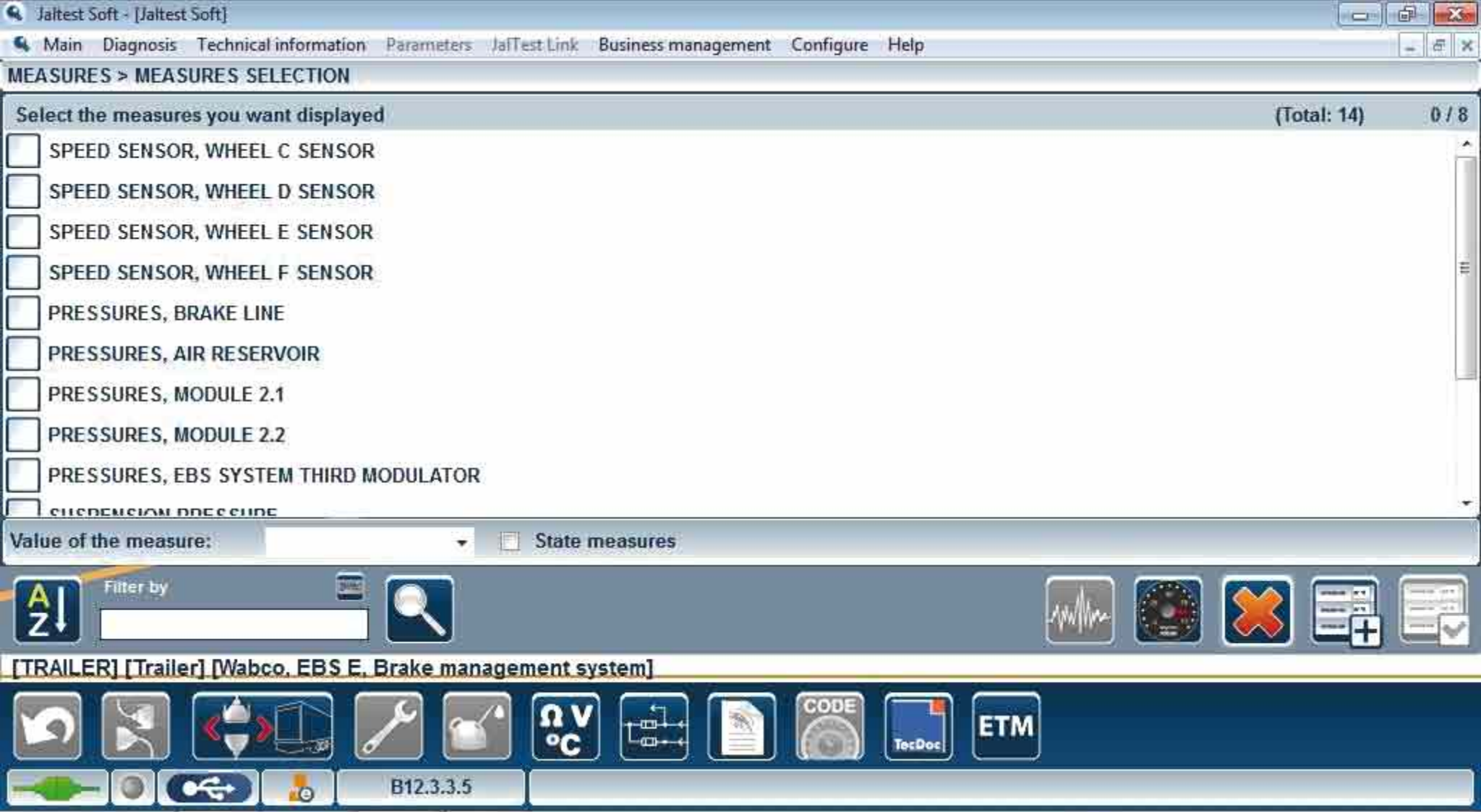
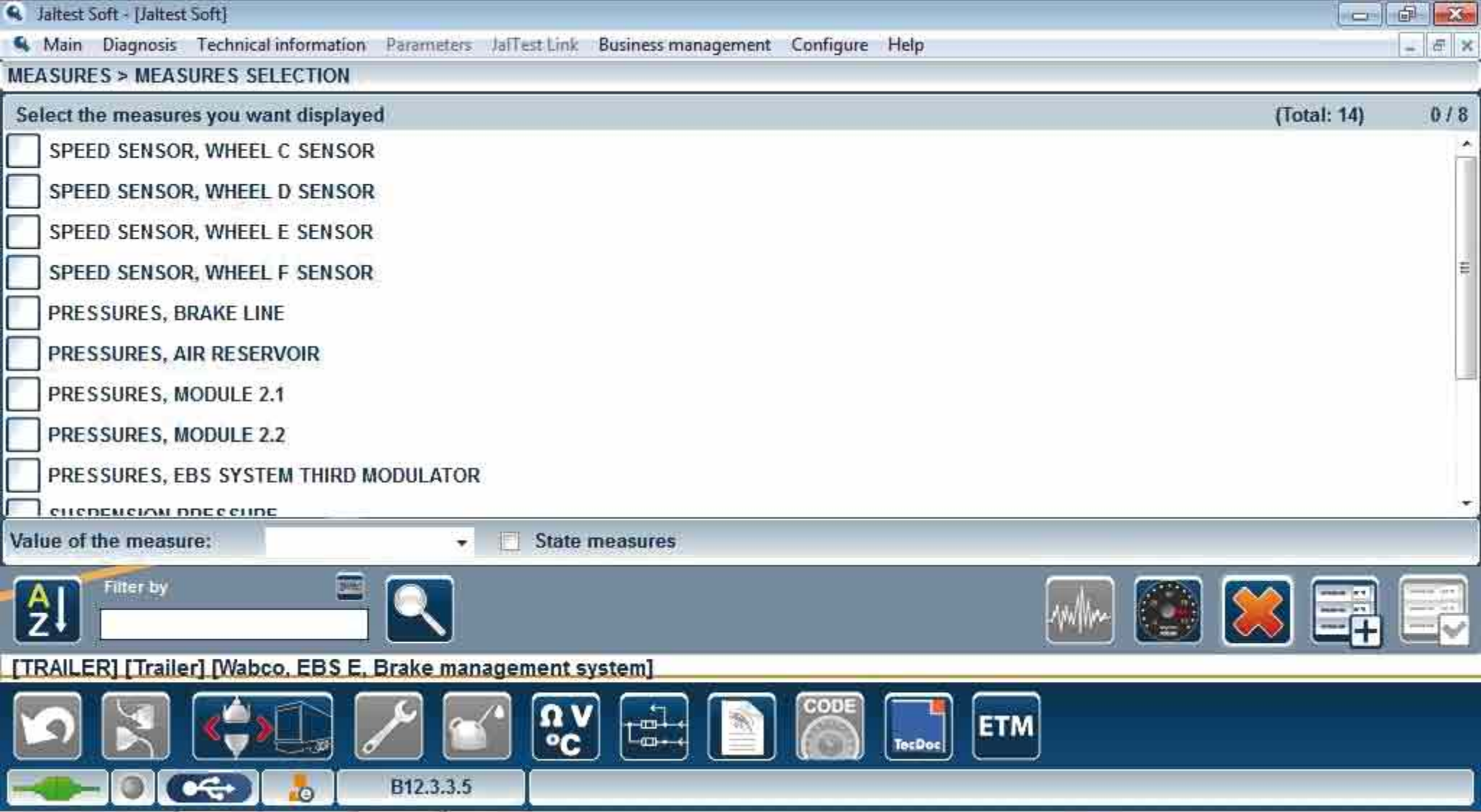
SYSTEM

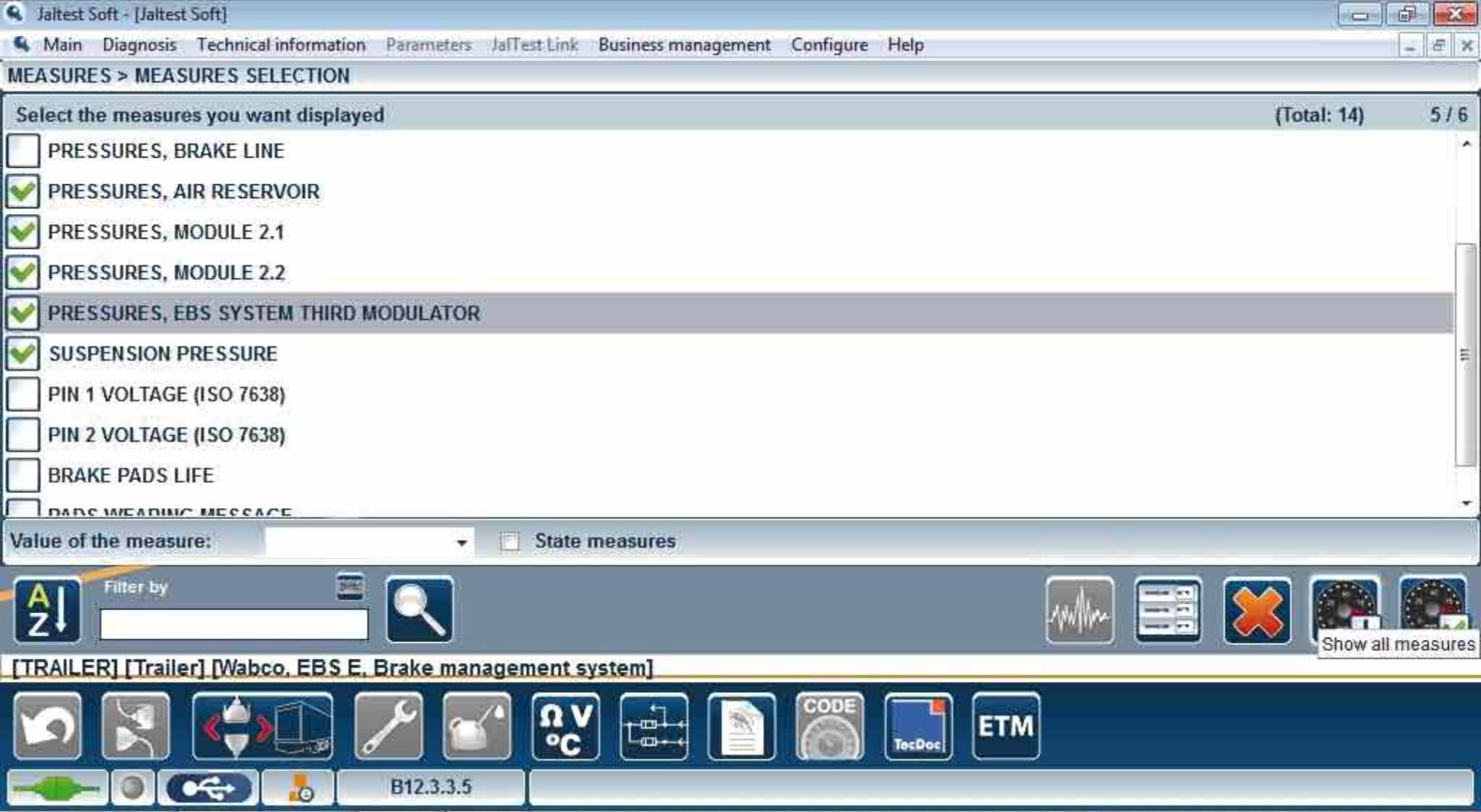
EPV, Electric-proportional valve
Haldex, ABS MODAL, Antilock braking system
Haldex, EB+ 2^o generation, Brake management system
Haldex, EB+, Brake management system
Haldex, Modular/PLC, Antilock braking system
Knorr, A18, Antilock braking system
Knorr, KB3-TA, Antilock braking system
Knorr, KB4-TA, Antilock braking system
Knorr, TEBS Gen2, Brake management system
Knorr, TEBS4 CAN, Brake management system
Knorr, TEBS4 via K, Brake management system
MGX, Brake management system
Trailer ELM, Suspension electronic management
Wabco, FRS C, Brake management system

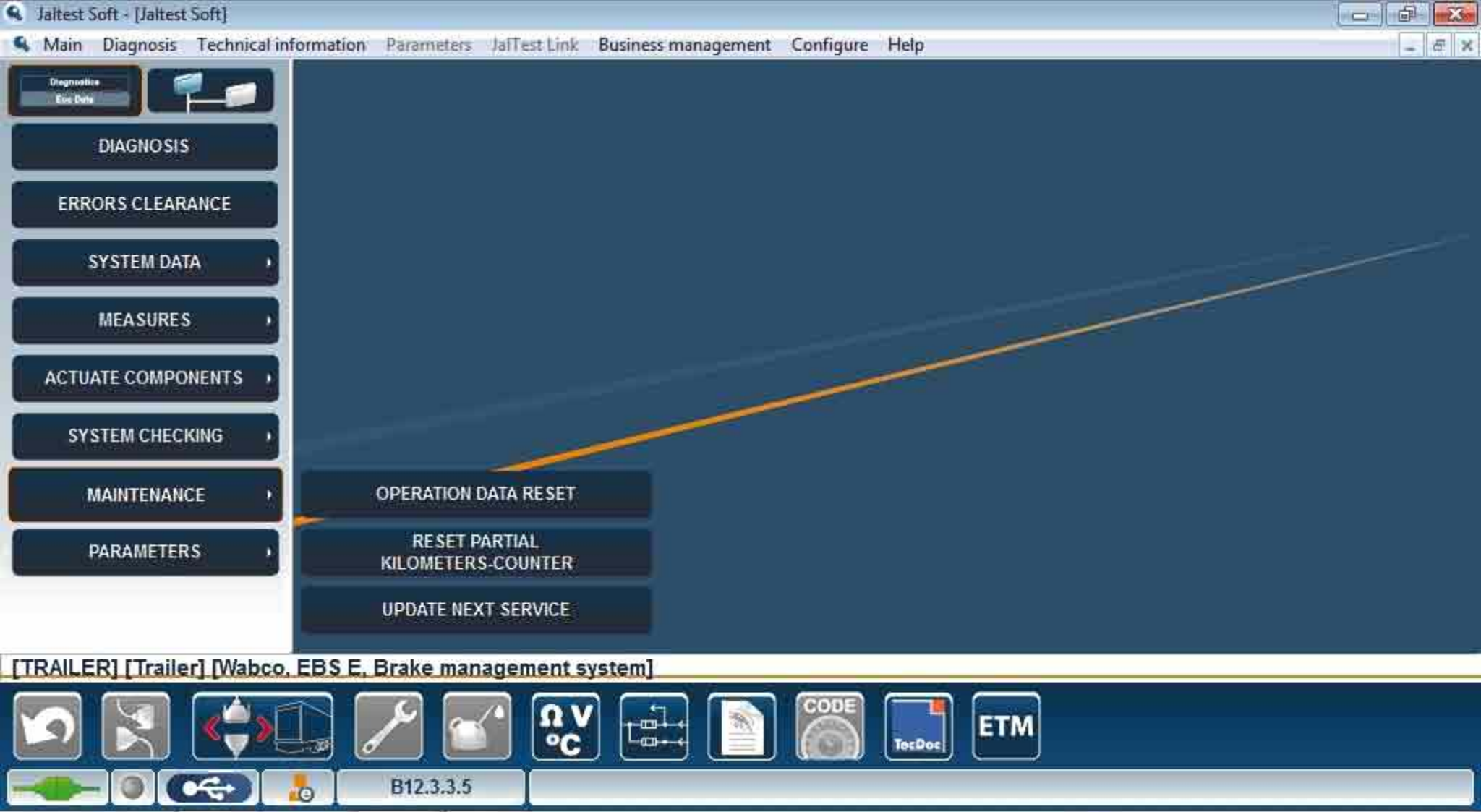
Model selection

[TRAILER] [Trailer]









- Diagnostic Ecu Data
- DIAGNOSIS
- ERRORS CLEARANCE
- SYSTEM DATA
- MEASURES
- ACTUATE COMPONENTS
- SYSTEM CHECKING
- MAINTENANCE
- PARAMETERS

- ANTI-ROLL CONTROL
- BRAKE PRESSURES CONTROL CHART
- BRAKE SYSTEM
- CAN MESSAGES
- GENERIC IN/OUTPUT
- STAND-BY
- SYSTEM CONFIGURATION
- TYRE PARAMETERS
- VEHICLE DATA
- COPY TO ECU
- COPY TO JALTEST
- DISPLAY PARAMETERS
- MODIFY PARAMETERS

[TRAILER] [Trailer] [Wabco, EBS E, Brake management system]



i THE CONFIGURATION DATA ARE SHOWN NEXT.

13876 kg


13877 kg

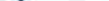
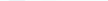
12288 kg

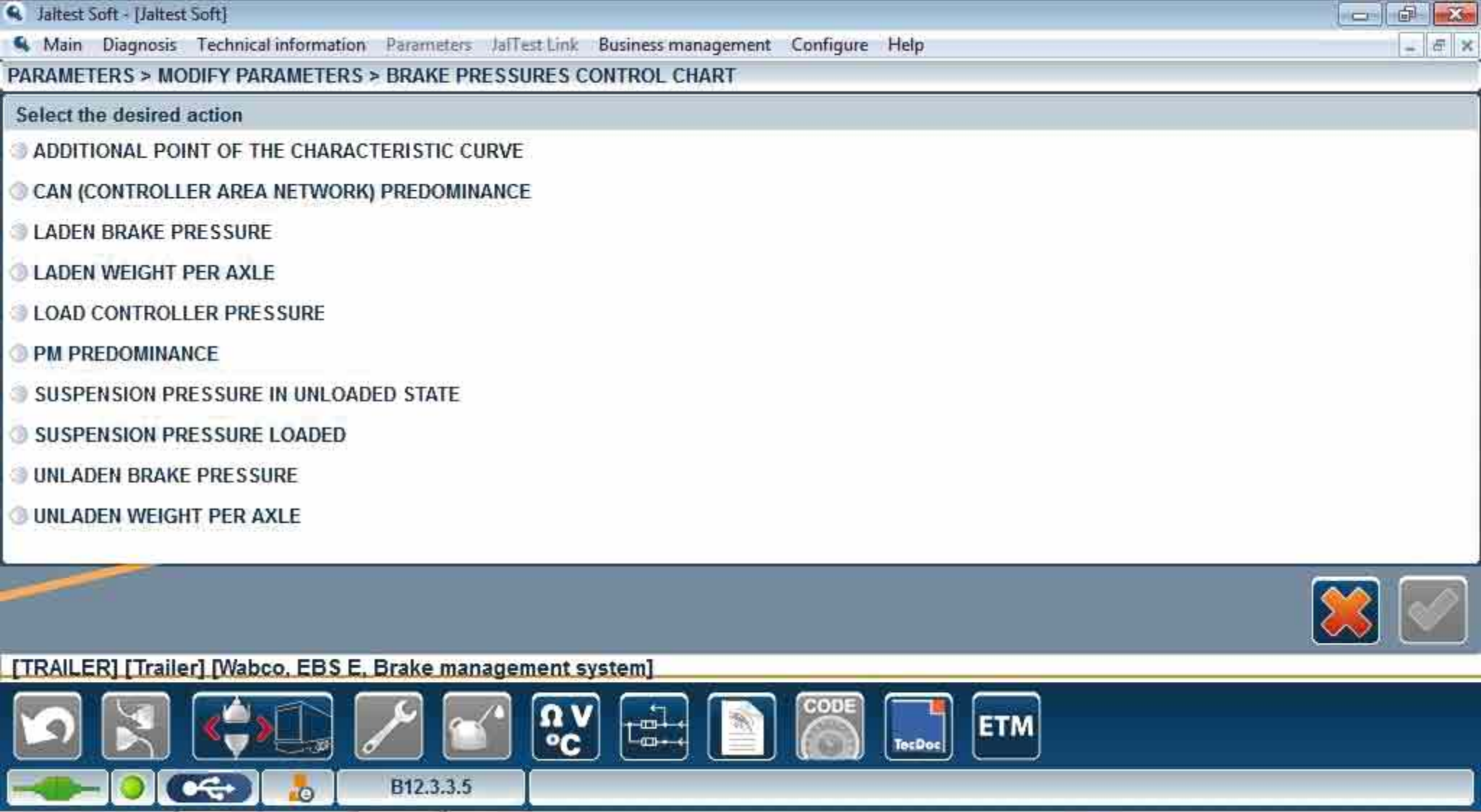
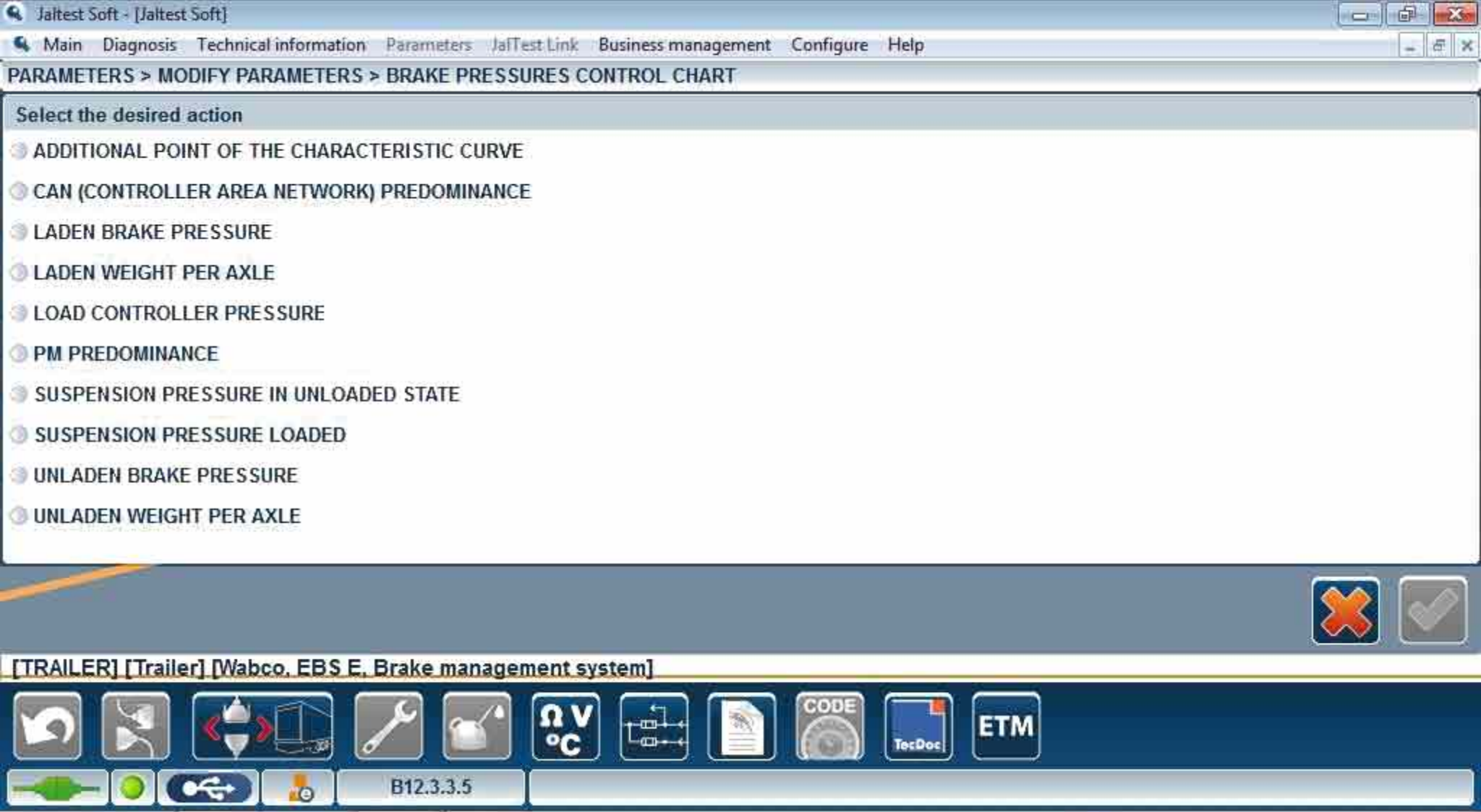
12594 kg

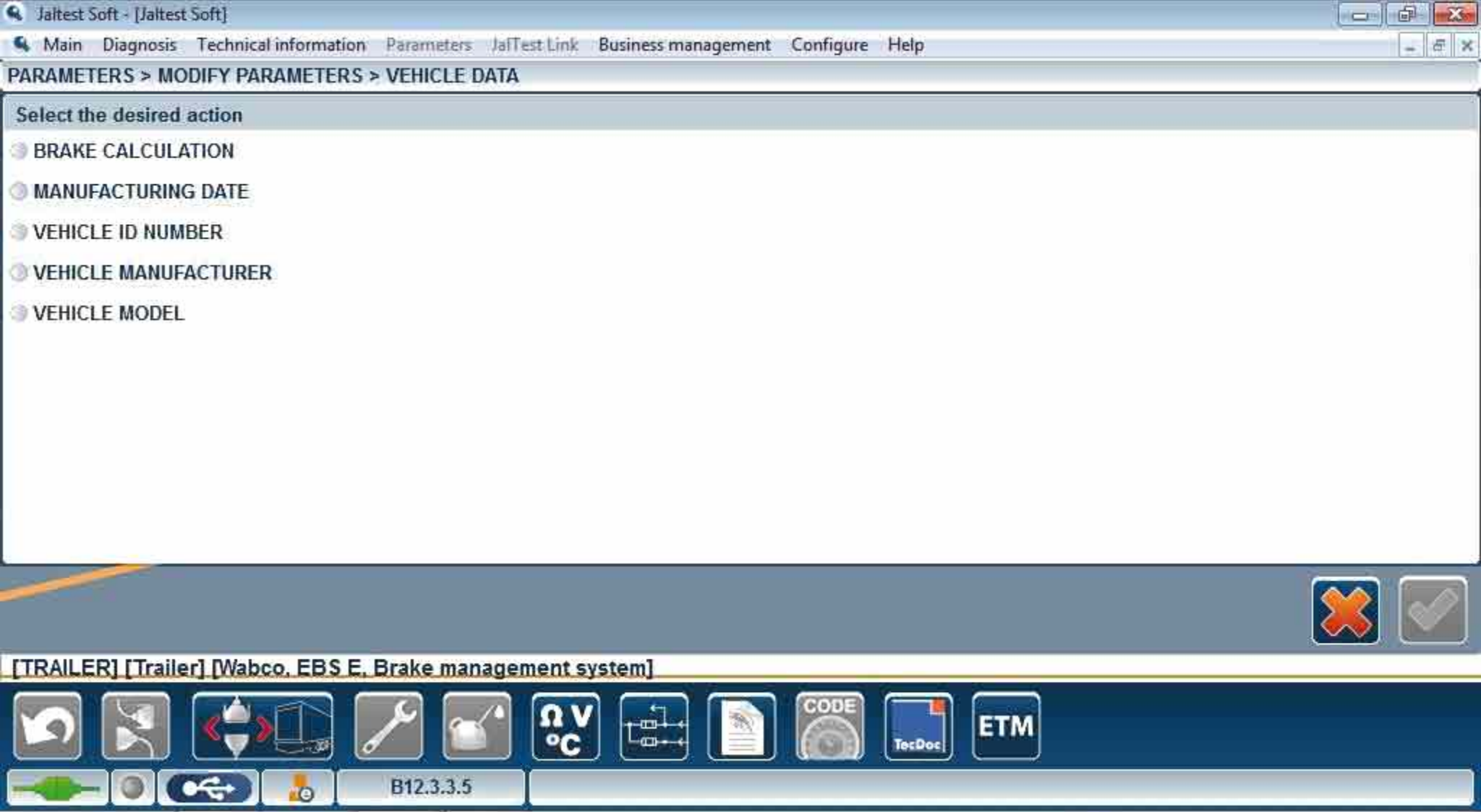
12336 kg







 B12.3.3.5





TRAILER

TRAILER USA

TRAILER

TRAILER USA



B12.3.3.5

SYSTEM TYPE

Filter by

ALL



SYSTEM

EPV, Electric-proportional valve
Haldex, ABS MODAL, Antilock braking system
Haldex, EB+ 2^o generation, Brake management system
Haldex, EB+, Brake management system
Haldex, Modular/PLC, Antilock braking system
Knorr, A18, Antilock braking system
Knorr, KB3-TA, Antilock braking system
Knorr, KB4-TA, Antilock braking system
Knorr, TEBS Gen2, Brake management system
Knorr, TEBS4 CAN, Brake management system
Knorr, TEBS4 via K, Brake management system
MGX, Brake management system
Trailer ELM, Suspension electronic management
Wahco, FRS C, Brake management system

Model selection

[TRAILER] [Trailer]



B12.3.3.5

Diagnosis

Eric Dorf

DIAGNOSIS

ERRORS CLEARANCE

SYSTEM DATA

MEASURES

ACTUATE COMPONENTS

SYSTEM CHECKING

MAINTENANCE

CALIBRATION

PARAMETERS

[TRAILER] [Trailer] [Haldex, EB+ 2^o generation, Brake management system]



B12.3.3.5



Diagnostic
Ecu Data

DIAGNOSIS

ERRORS CLEARANCE

SYSTEM DATA

MEASURES

ACTUATE COMPONENTS

SYSTEM CHECKING

MAINTENANCE

CALIBRATION

PARAMETERS

AUX CONFIGURATION

BRAKE PRESSURES CONTROL CHART

GEOMETRIC DATA - CONFIGURATION

GEOMETRIC DATA - LIFT AXLE
POSITION

GEOMETRIC DATA - WHEELBASE

LOAD PARAMETERS

SYSTEM CONFIGURATION

TYRE PARAMETERS

VEHICLE DATA

WARNING LAMP CONFIGURATION

COPY TO ECU

COPY TO JALTEST

DISPLAY PARAMETERS

MODIFY PARAMETERS



B12.3.3.5

i THE CONFIGURATION DATA ARE SHOWN NEXT.

16903 kg

12849 kg

13102 kg

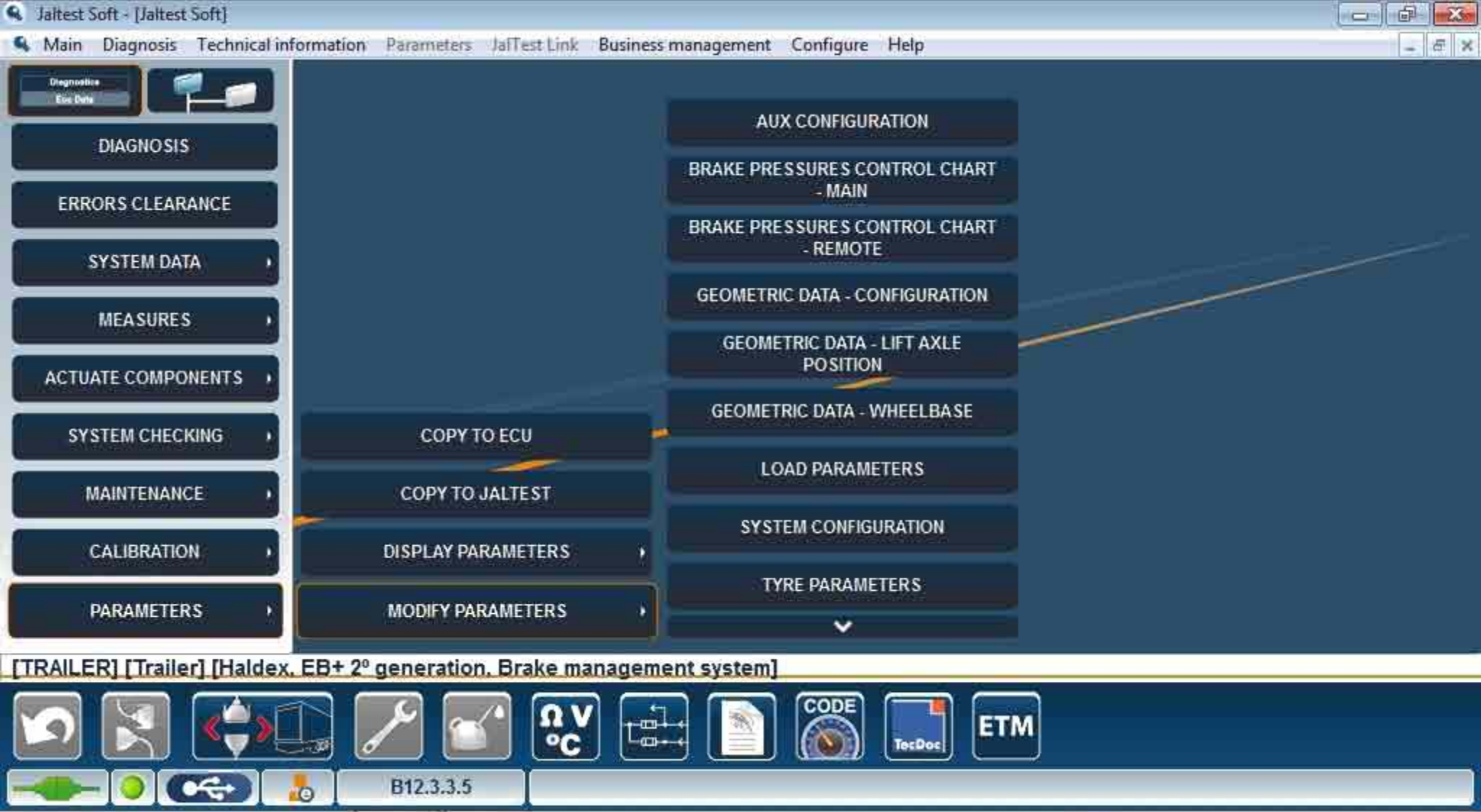
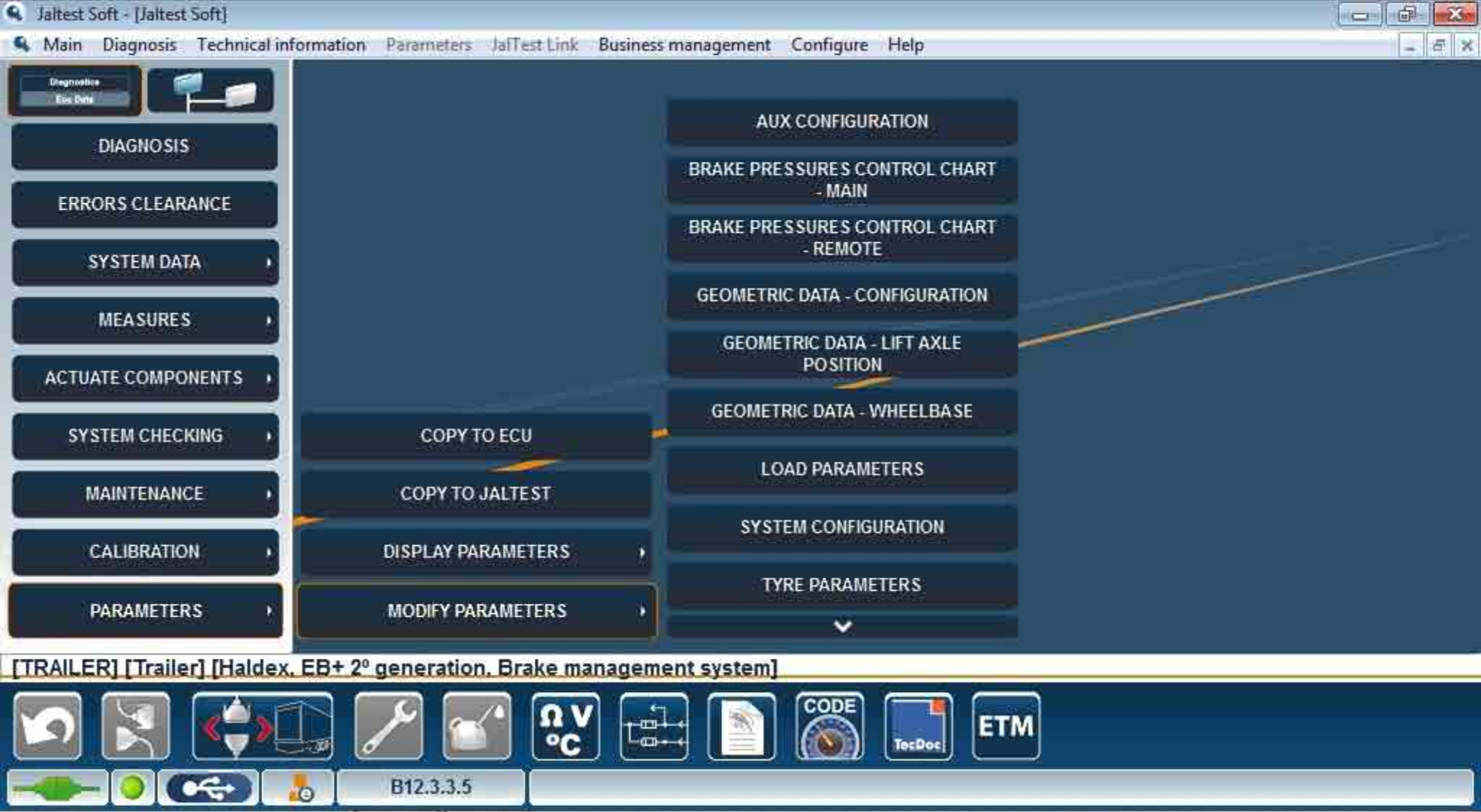
13102 kg

--- kg



B12.3.3.5





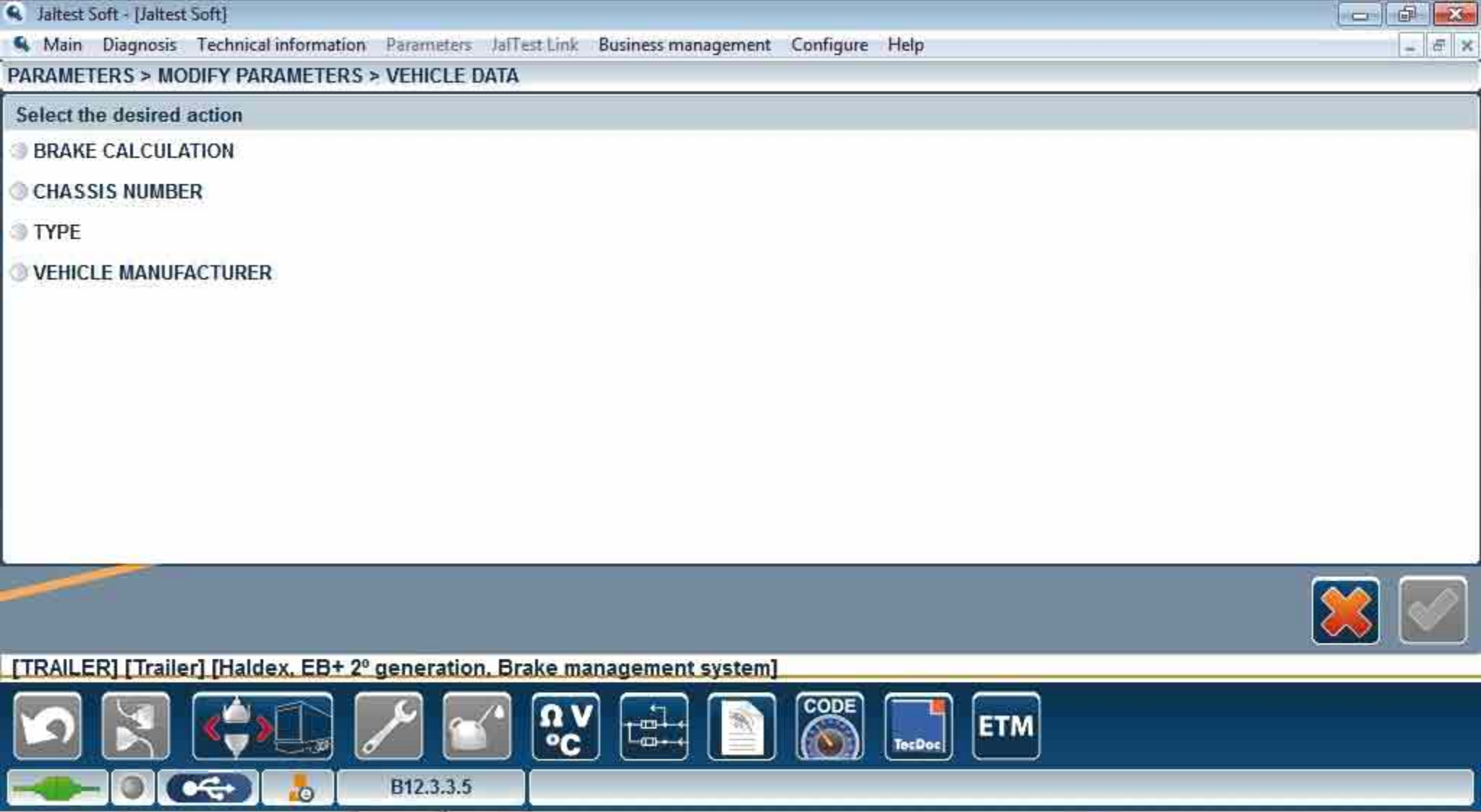
EDITION

DISTANCE COUPLING TO AXLE - AXLE 1 (m)



[TRAILER] [Trailer] [Haldex, EB+ 2º generation, Brake management system]





PARAMETERS > MODIFY PARAMETERS > VEHICLE DATA

Select the desired action

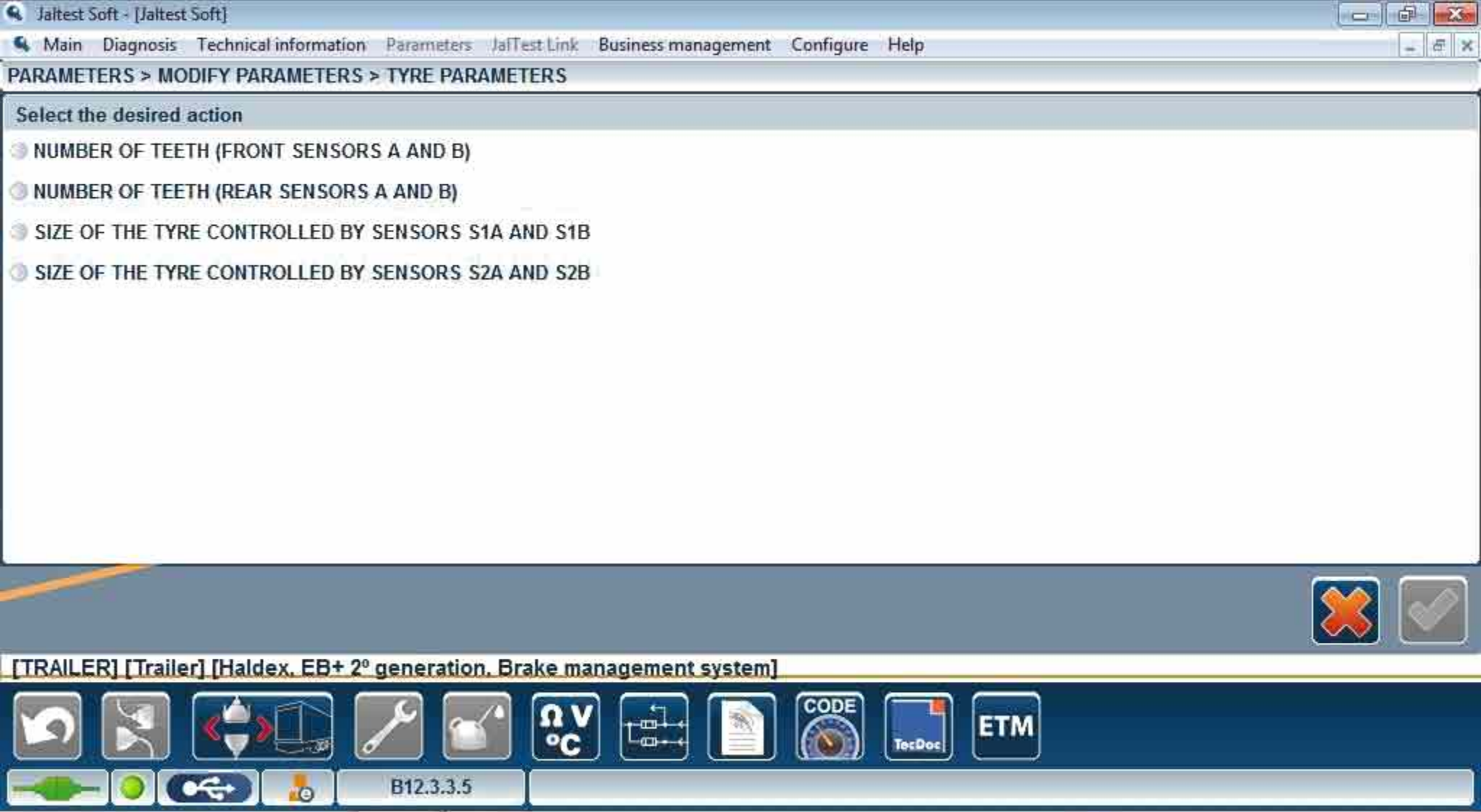
- ☐ BRAKE CALCULATION
- ☐ CHASSIS NUMBER
- ☐ TYPE
- ☐ VEHICLE MANUFACTURER



[TRAILER] [Trailer] [Haldex, EB+ 2º generation, Brake management system]



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PARAMETERS > MODIFY PARAMETERS > TYRE PARAMETERS

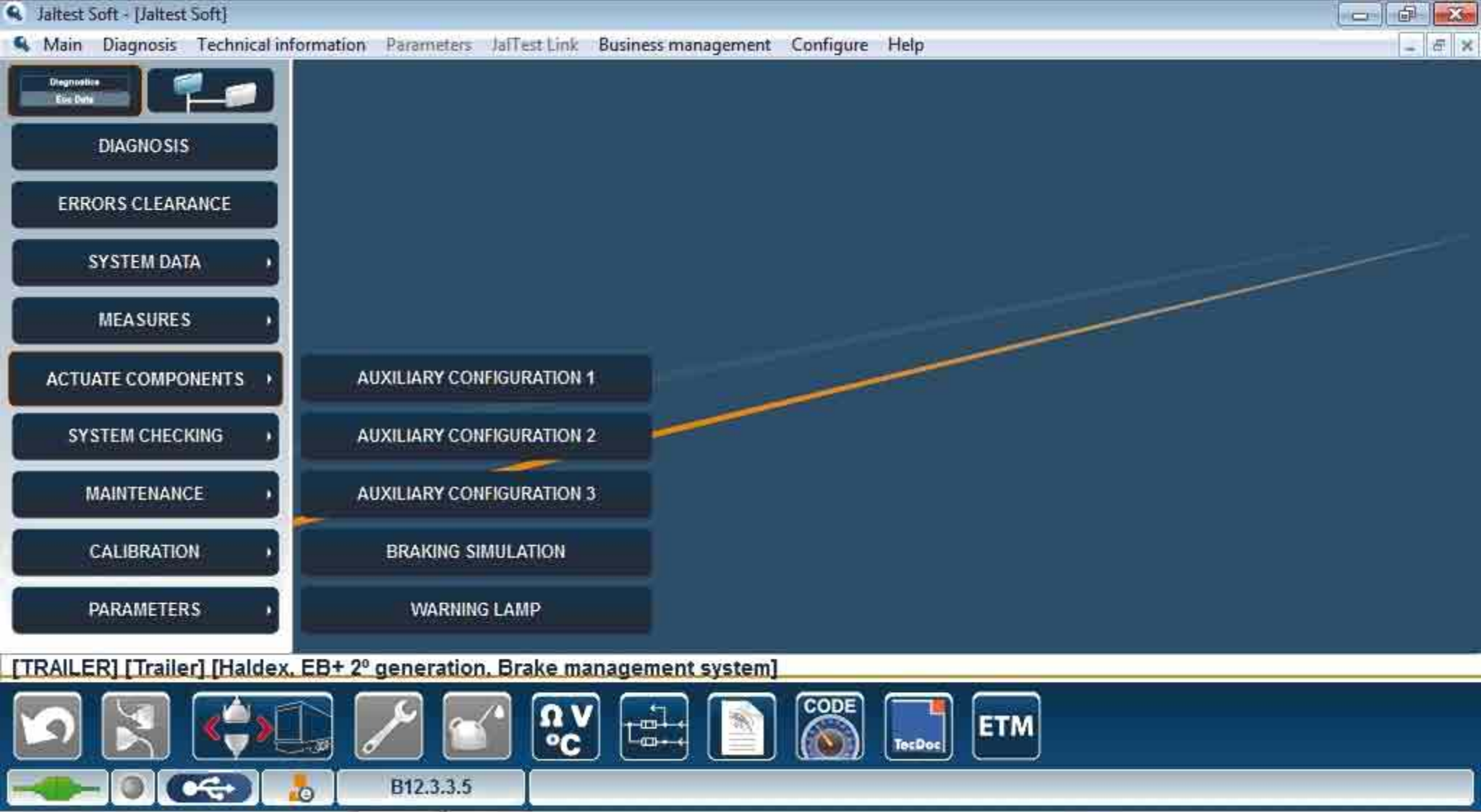
Select the desired action

- ☒ NUMBER OF TEETH (FRONT SENSORS A AND B)
- ☐ NUMBER OF TEETH (REAR SENSORS A AND B)
- ☐ SIZE OF THE TYRE CONTROLLED BY SENSORS S1A AND S1B
- ☐ SIZE OF THE TYRE CONTROLLED BY SENSORS S2A AND S2B



[TRAILER] [Trailer] [Haldex, EB+ 2º generation, Brake management system]





TRAILER

TRAILER USA

TRAILER

TRAILER USA



B12.3.3.5

SYSTEM TYPE

Filter by

ALL



SYSTEM

EPV, Electric-proportional valve
Haldex, ABS MODAL, Antilock braking system
Haldex, EB+ 2^o generation, Brake management system
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Trailer ELM, Suspension electronic management
Wabco, FRS C, Brake management system

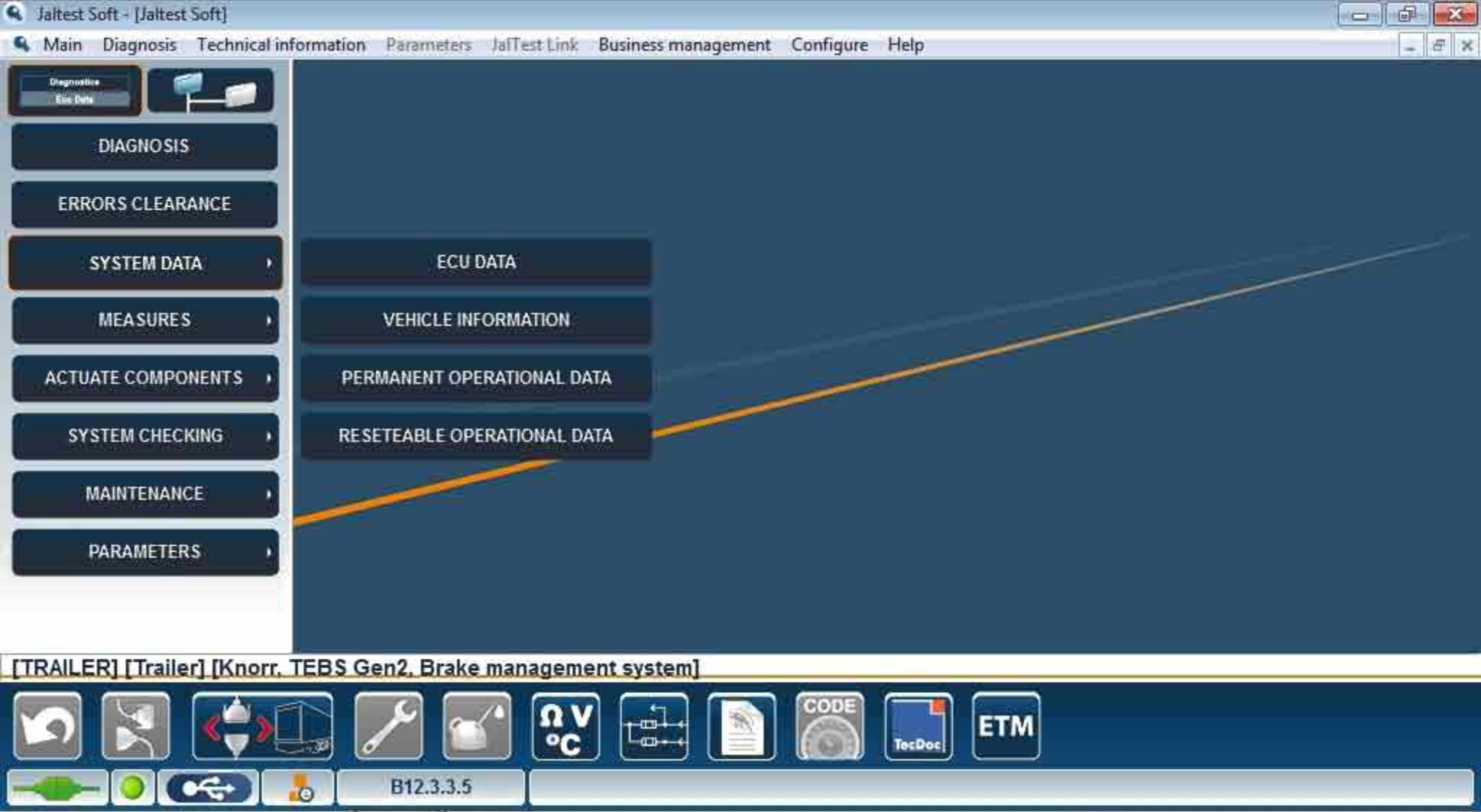
Model selection

[TRAILER] [Trailer]





PARAMETERS



01201201201201201201

01230123012301233

SEMITRAILER

3

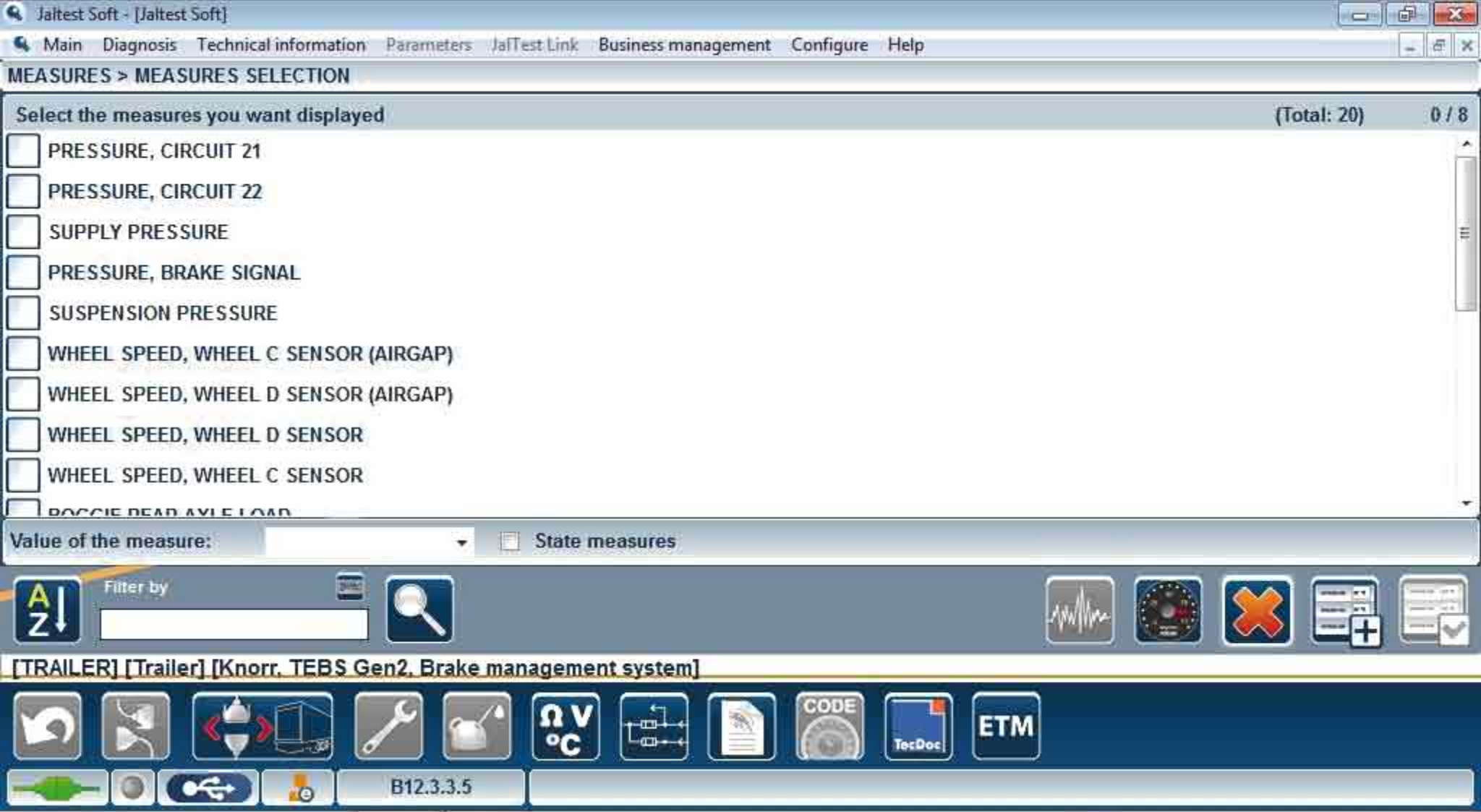
2S/2M

12345678901234567

150000



B12.3.3.5



PRESSURE, CIRCUIT 21



PRESSURE, CIRCUIT 22



SUPPLY PRESSURE



PRESSURE, BRAKE SIGNAL



SUSPENSION PRESSURE



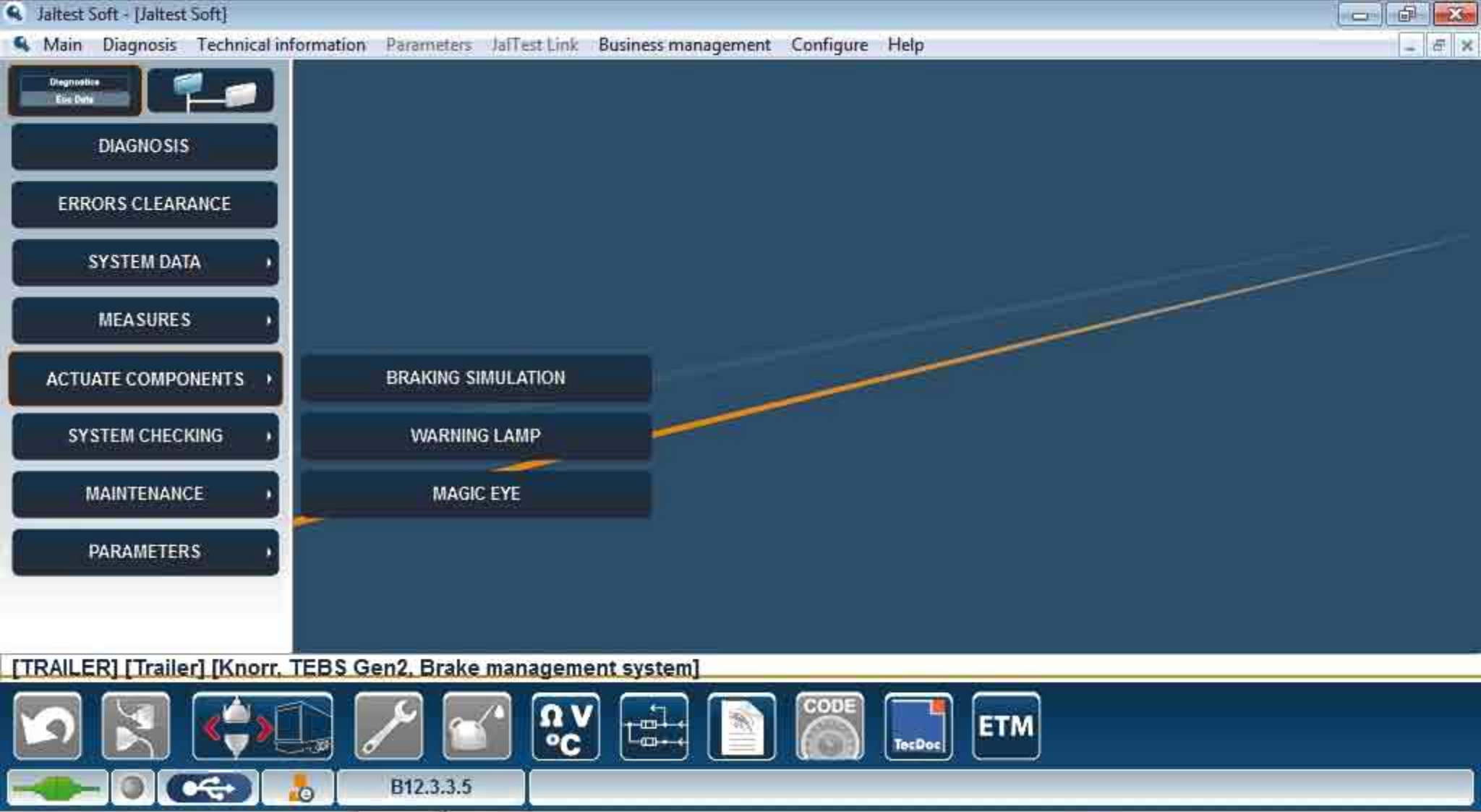
WHEEL SPEED, WHEEL C SENSOR (AIRGAP)

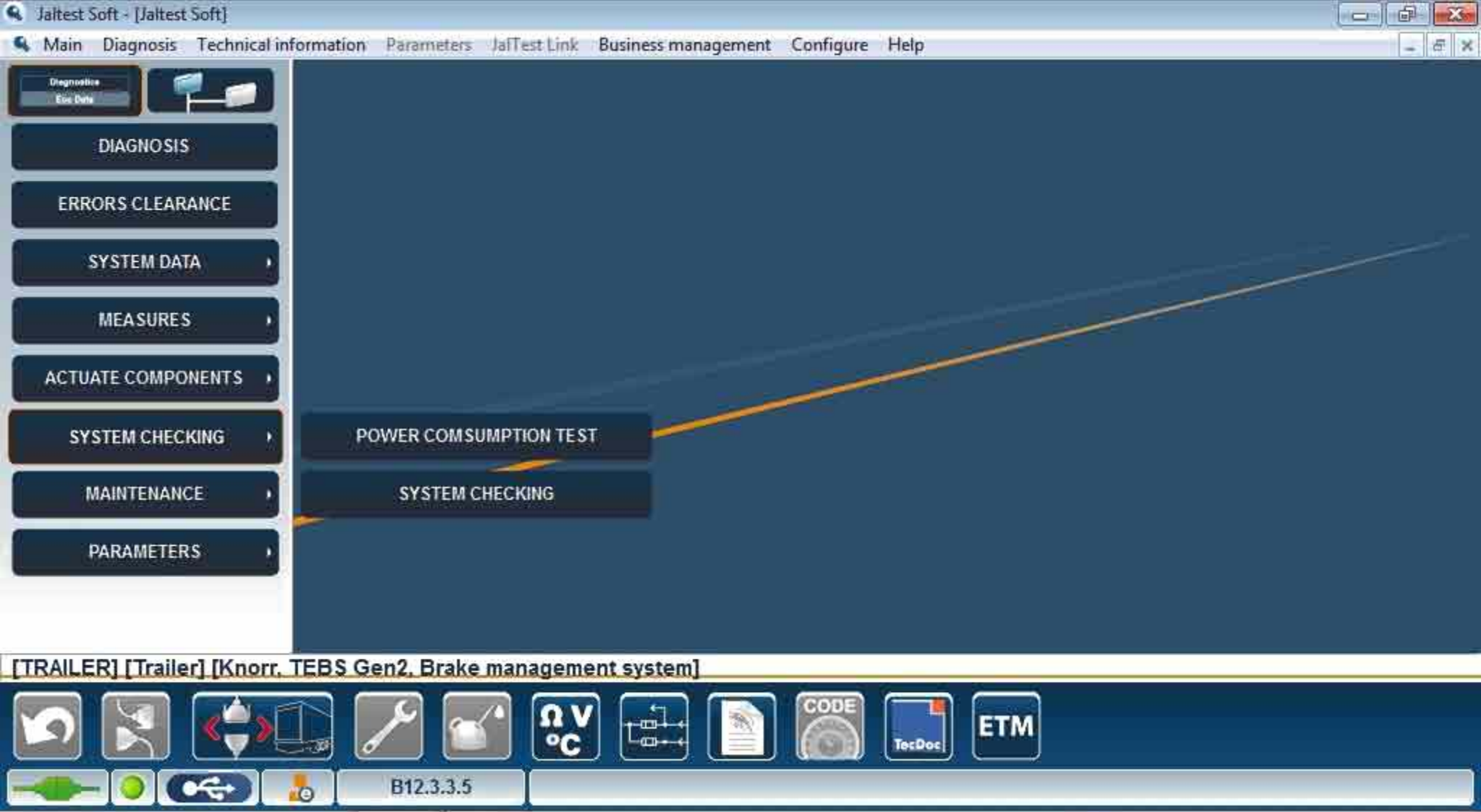


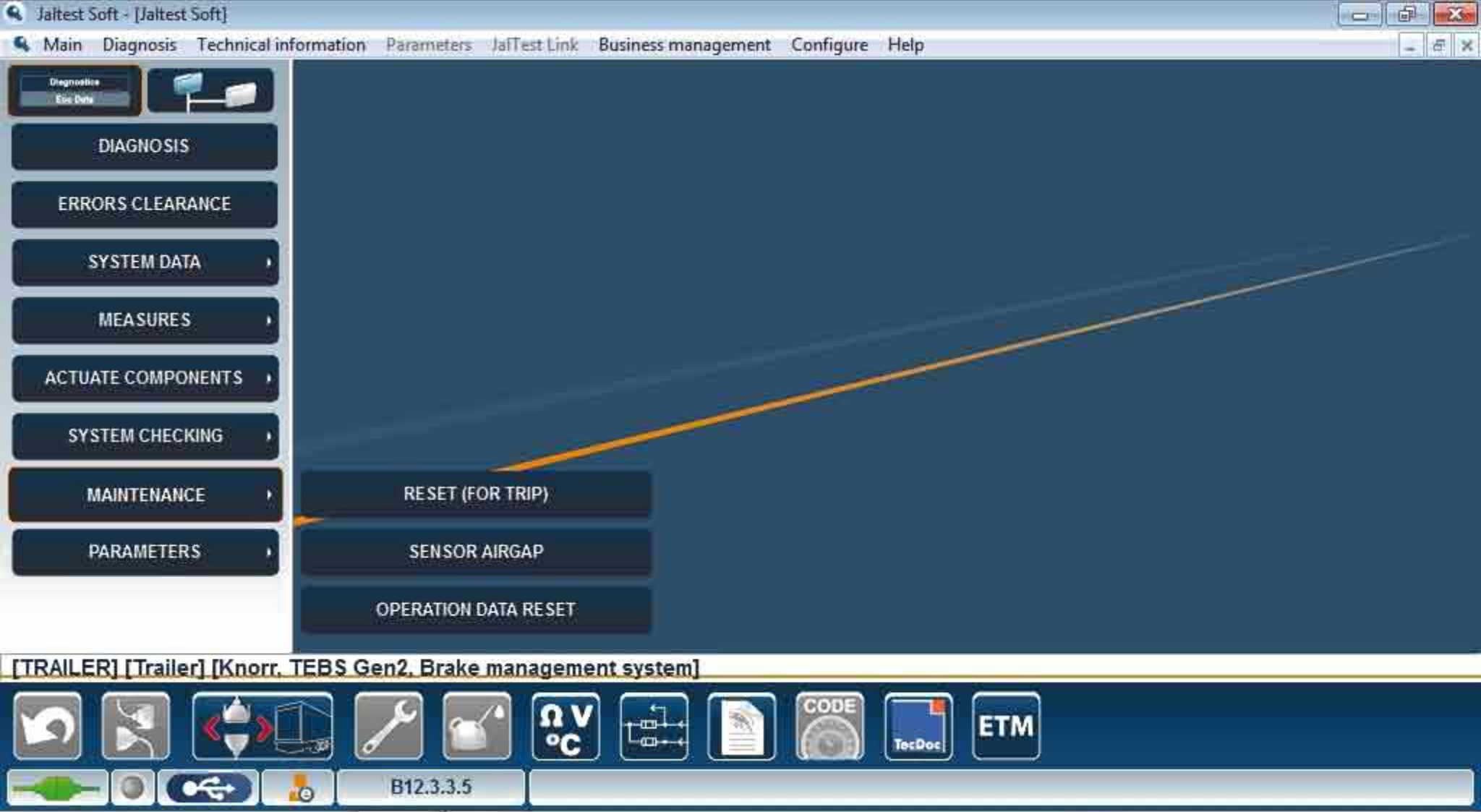
* Information subject to the "License Agreement".

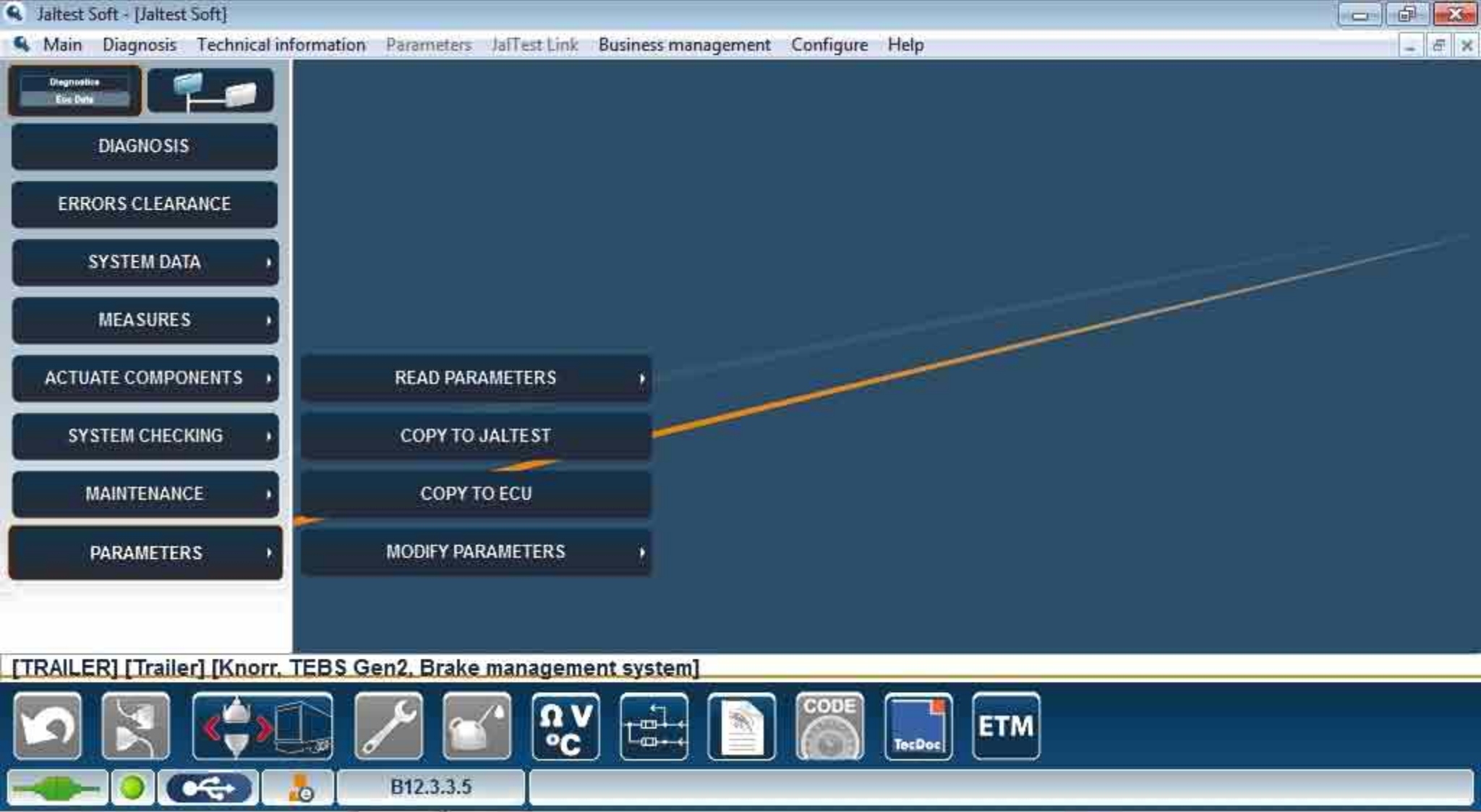
[TRAILER] [Trailer] [Knorr, TEBS Gen2, Brake management system]











- Diagnostic Ecu Data
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- PARAMETERS

- SPECIAL DEVICES
- AXLE CONFIGURATION
- GEOMETRIC DATA
- REAR AXLE GROUP
- REAR AXLE GROUP
- LOAD SENSING
- LSF (LOAD SENSING FUNCTION) - BRAKING CONTROL
- LSF (LOAD SENSING FUNCTION) - BRAKING CONTROL
- ANTI-ROLL CONTROL

[TRAILER] [Trailer] [Knorr, TEBS Gen2, Brake management system]



i CURRENT VALUES:

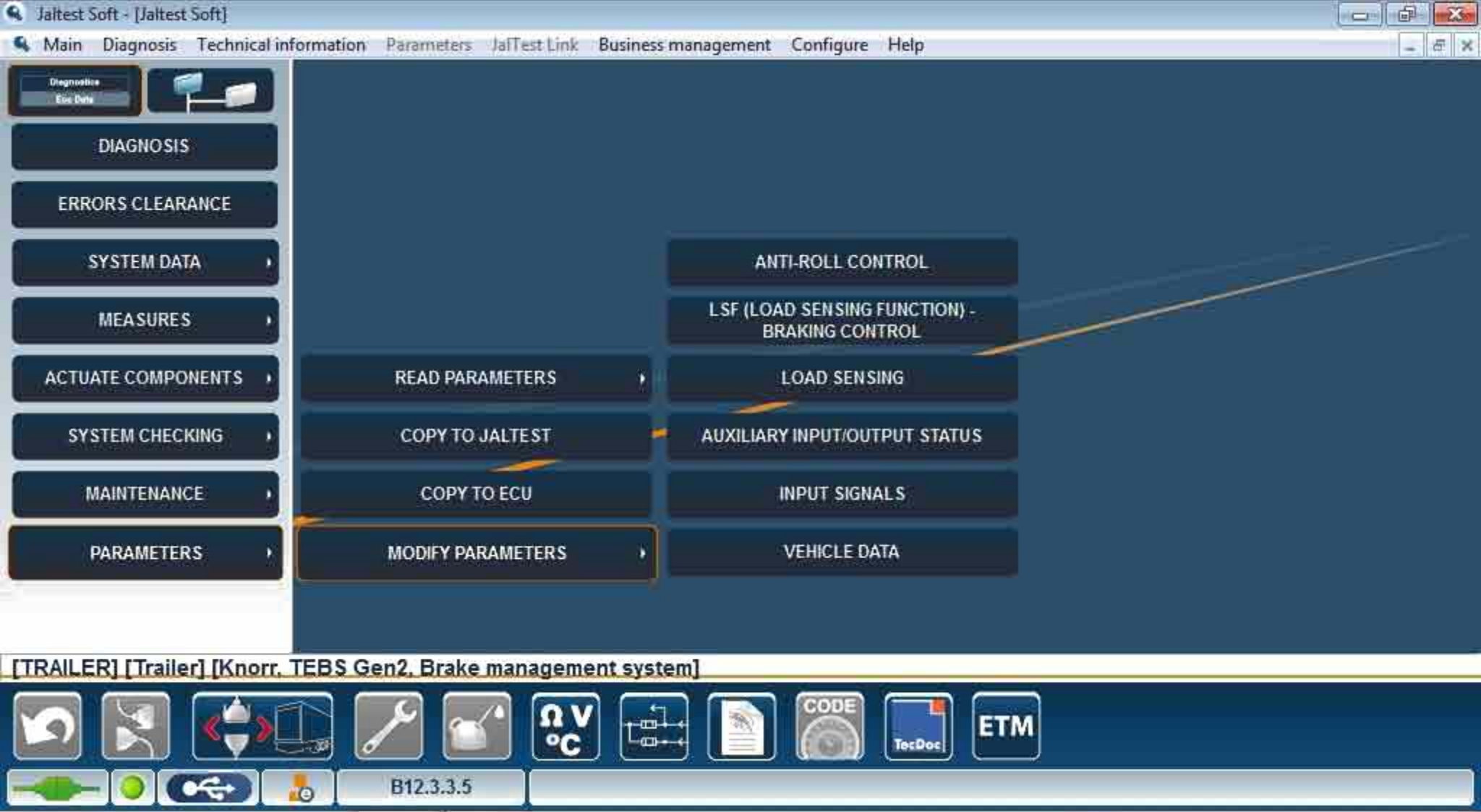
57

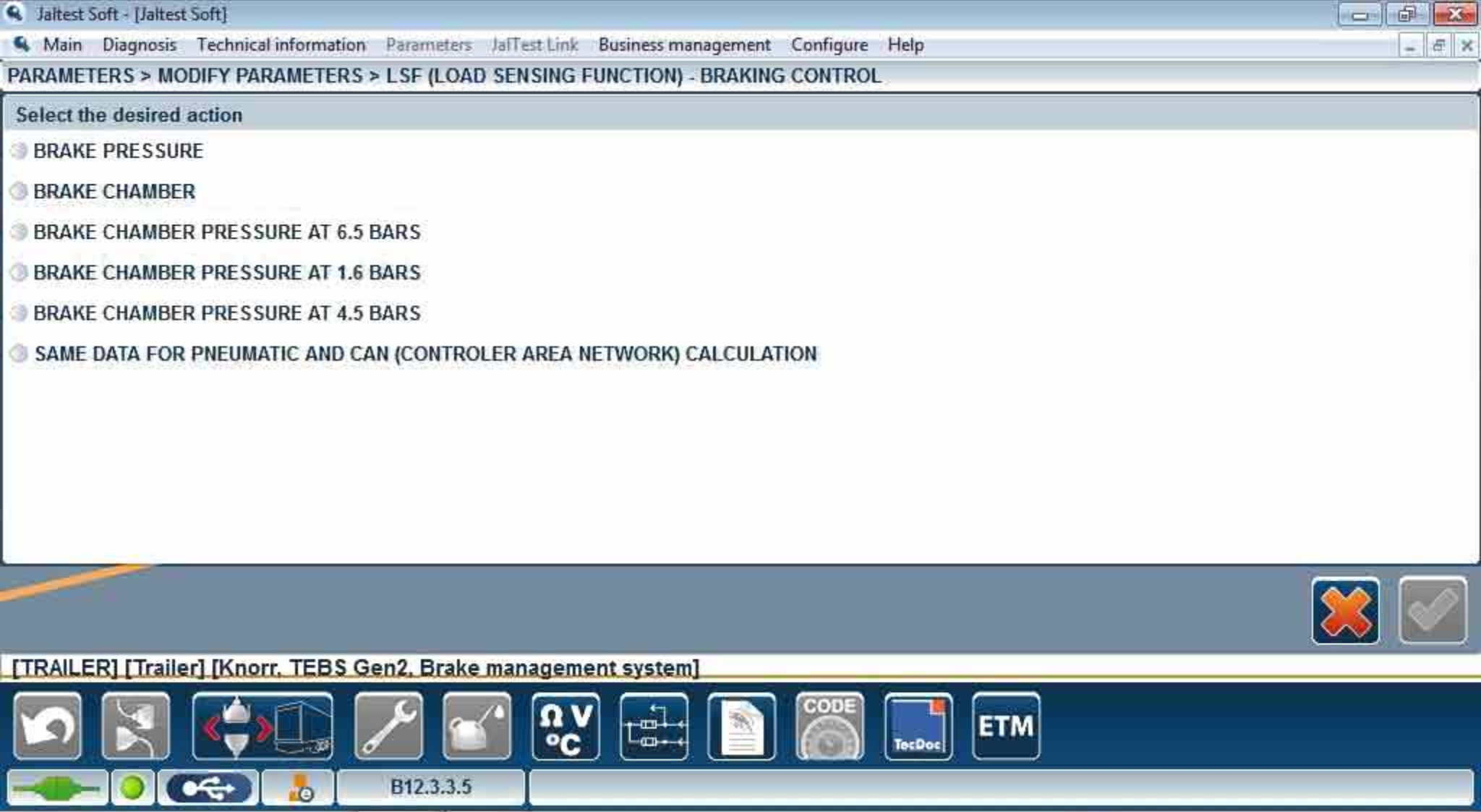
14646 mm

14646 kg

14646 kg







Select the desired action

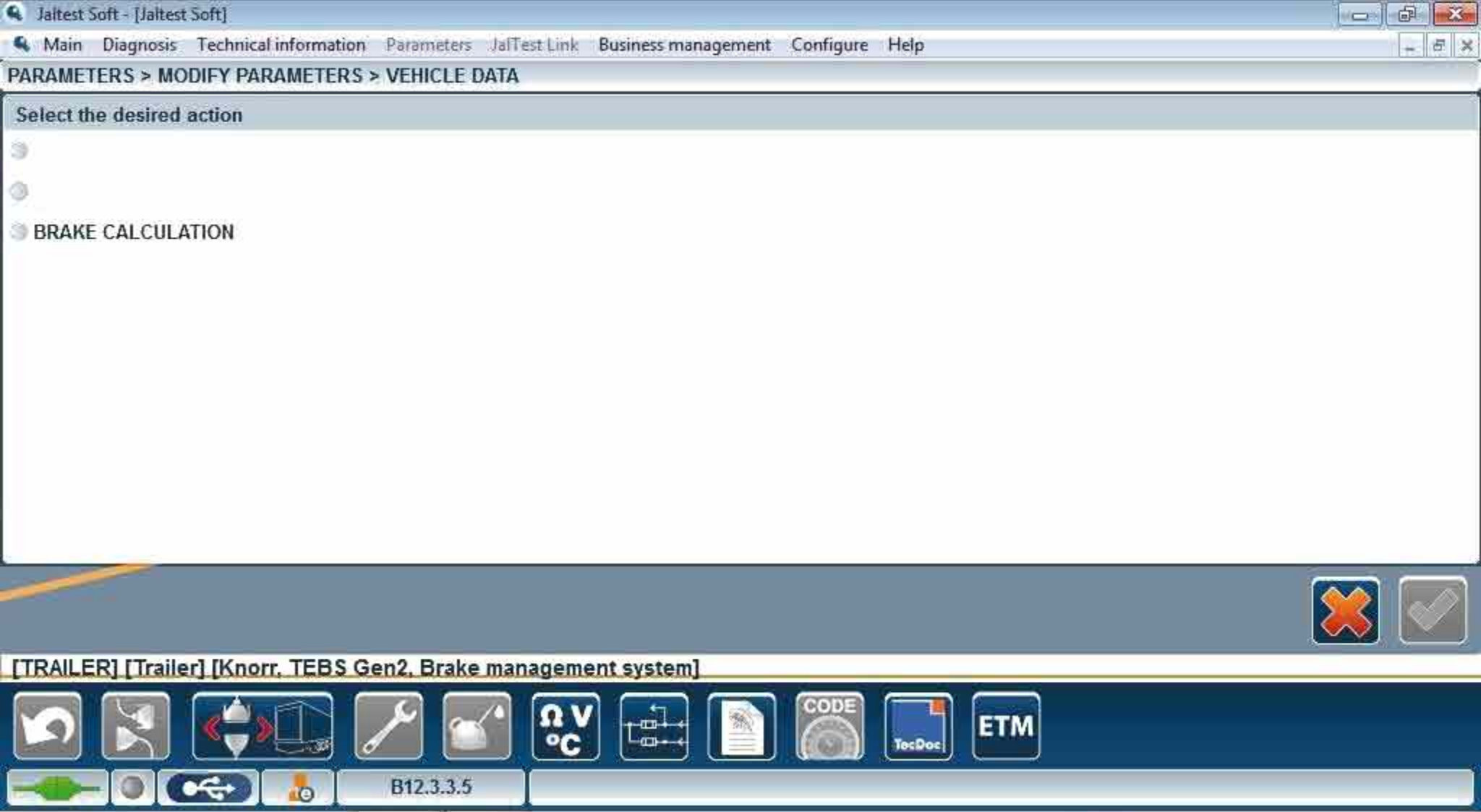
- ☒ BRAKE PRESSURE
- ☐ BRAKE CHAMBER
- ☐ BRAKE CHAMBER PRESSURE AT 6.5 BARS
- ☐ BRAKE CHAMBER PRESSURE AT 1.6 BARS
- ☐ BRAKE CHAMBER PRESSURE AT 4.5 BARS
- ☐ SAME DATA FOR PNEUMATIC AND CAN (CONTROLLER AREA NETWORK) CALCULATION



[TRAILER] [Trailer] [Knorr, TEBS Gen2, Brake management system]



B12.3.3.5





● jaltest
soft



B12.3.3.5



AGRALE

ASKAM

ASTRA

AVIA

BEIFANG BENCHI

BMC

DAF

DENNIS EAGLE

AGRALE

ASKAM

ASTRA

AVIA

BEIFANG BENCHI

BMC

DAF

DENNIS EAGLE

DODGE

DONGFENG

ERF

FAW

FODEN

FORD

FREIGHTLINER

GENERIC

GM-CHEVROLET

HYUNDAI

INTERNATIONAL

IVECO

KAMAZ

KENWORTH

MACK

MAN

MERCEDES BENZ

NISSAN

OBD

PETERBILT

RENAULT

SAE STANDARD

SCANIA

SEDDON ATKINSON

SHAANXI

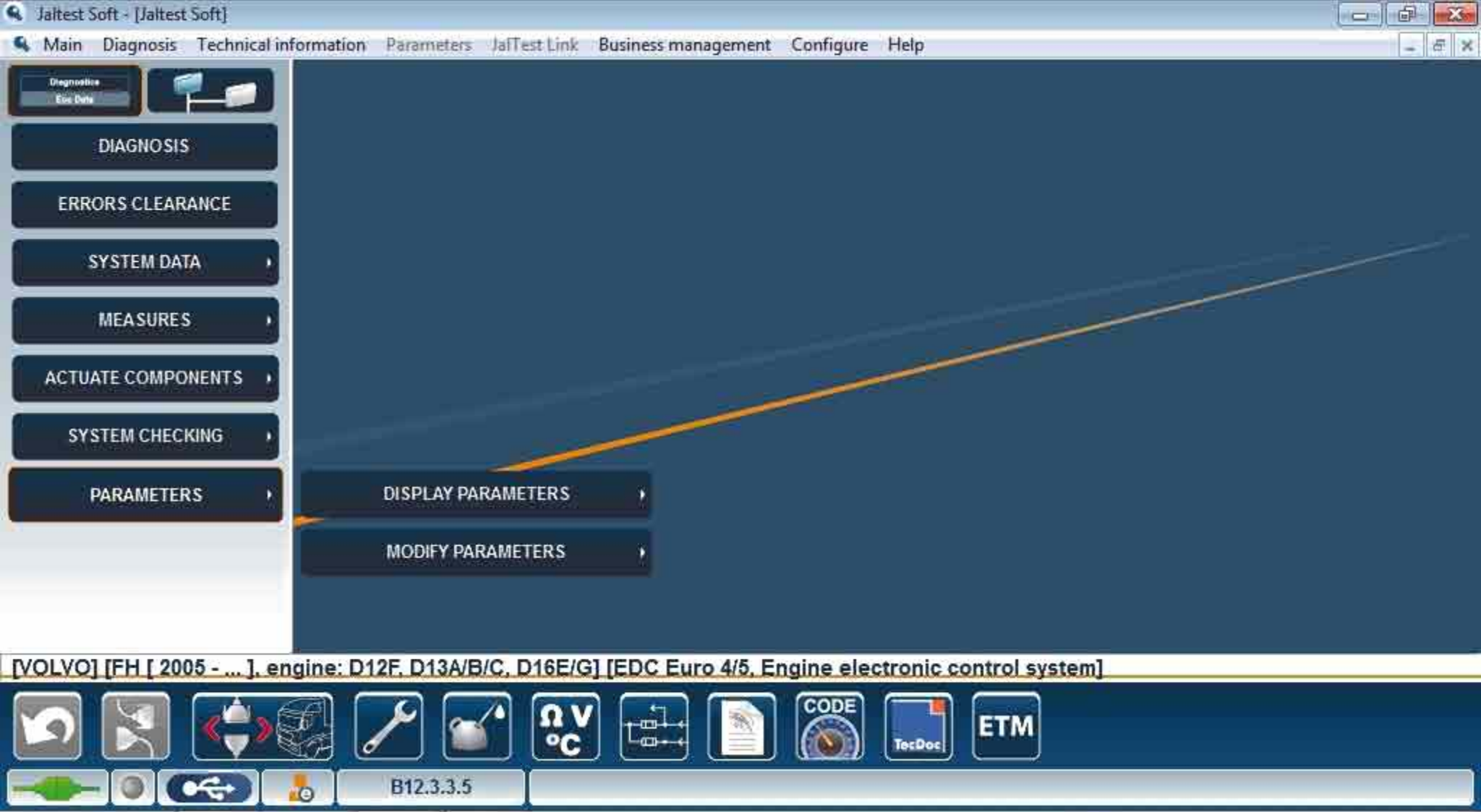
STERLING

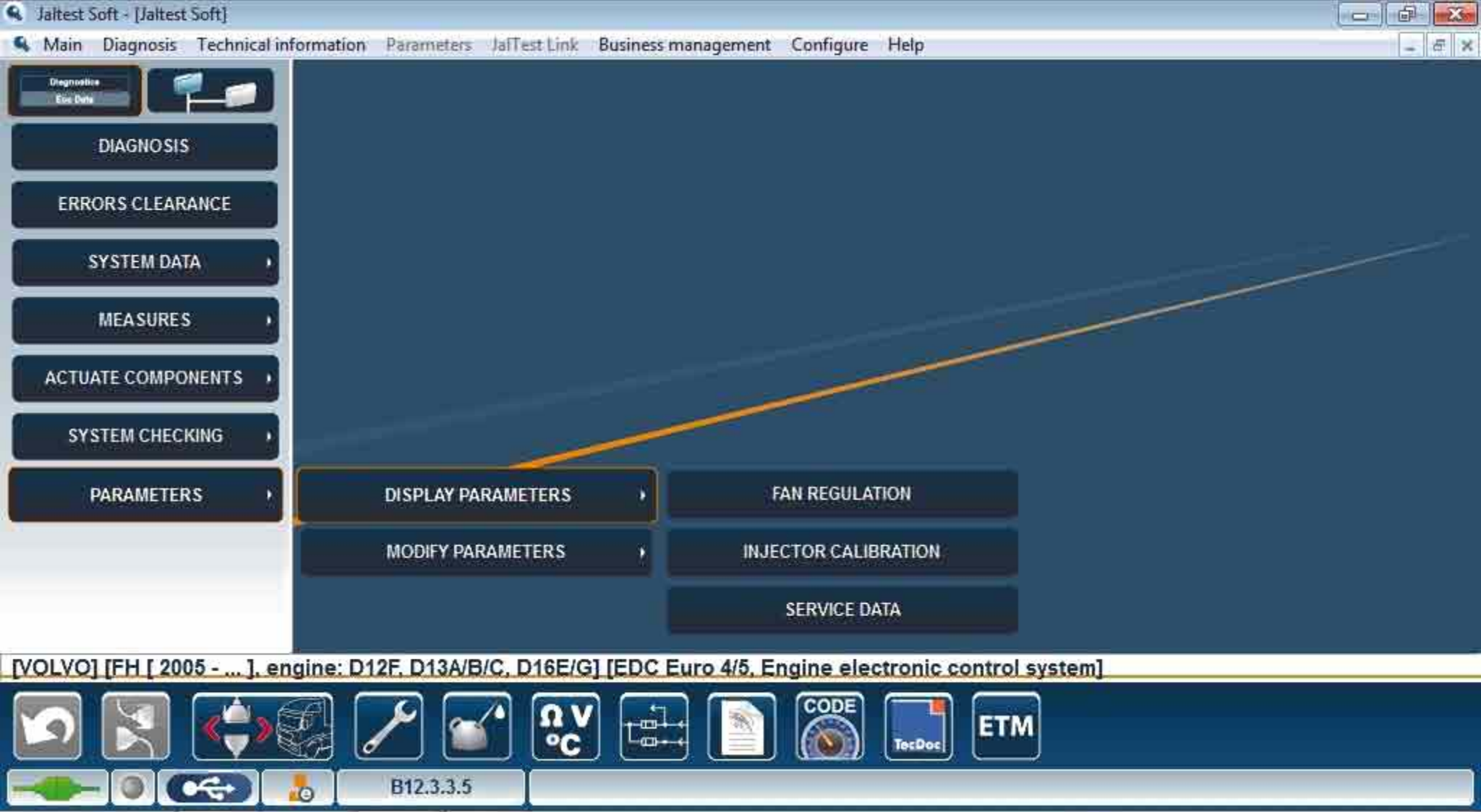
TATA-DAEWOO

TATRA



B12.3.3.5





PARAMETERS > DISPLAY PARAMETERS > SERVICE DATA



THE CONFIGURATION DATA ARE SHOWN NEXT.

FUEL CONSUMPTION, PERCENTAGE

--- %

SPEED LIMIT

--- km/h

MAXIMUM RPM (ENGINE STOPPED)

--- rpm



[VOLVO] [FH [2005 - ...], engine: D12F, D13A/B/C, D16E/G] [EDC Euro 4/5, Engine electronic control system]

Accept



B12.3.3.5

Jaltest Soft - [Jaltest Soft]

Main

Diagnosis

Technical information

Parameters

JalTest Link

Business management

Configure

Help

PARAMETERS > DISPLAY PARAMETERS > INJECTOR CALIBRATION

i

THE CONFIGURATION DATA ARE SHOWN NEXT.

INJECTOR CODE, CYLINDER 1	---
INJECTOR CODE, CYLINDER 2	---
INJECTOR CODE, CYLINDER 3	---
INJECTOR CODE, CYLINDER 4	---
INJECTOR CODE, CYLINDER 5	---

↑

↓

✖

✔

[VOLVO] [FH [2005 - ...], engine: D12F, D13A/B/C, D16E/G] [EDC Euro 4/5, Engine electronic control system]

↺

↻

↔

🔧

🔥

Ω V °C

🔌

📄

CODE

TecDoc

ETM

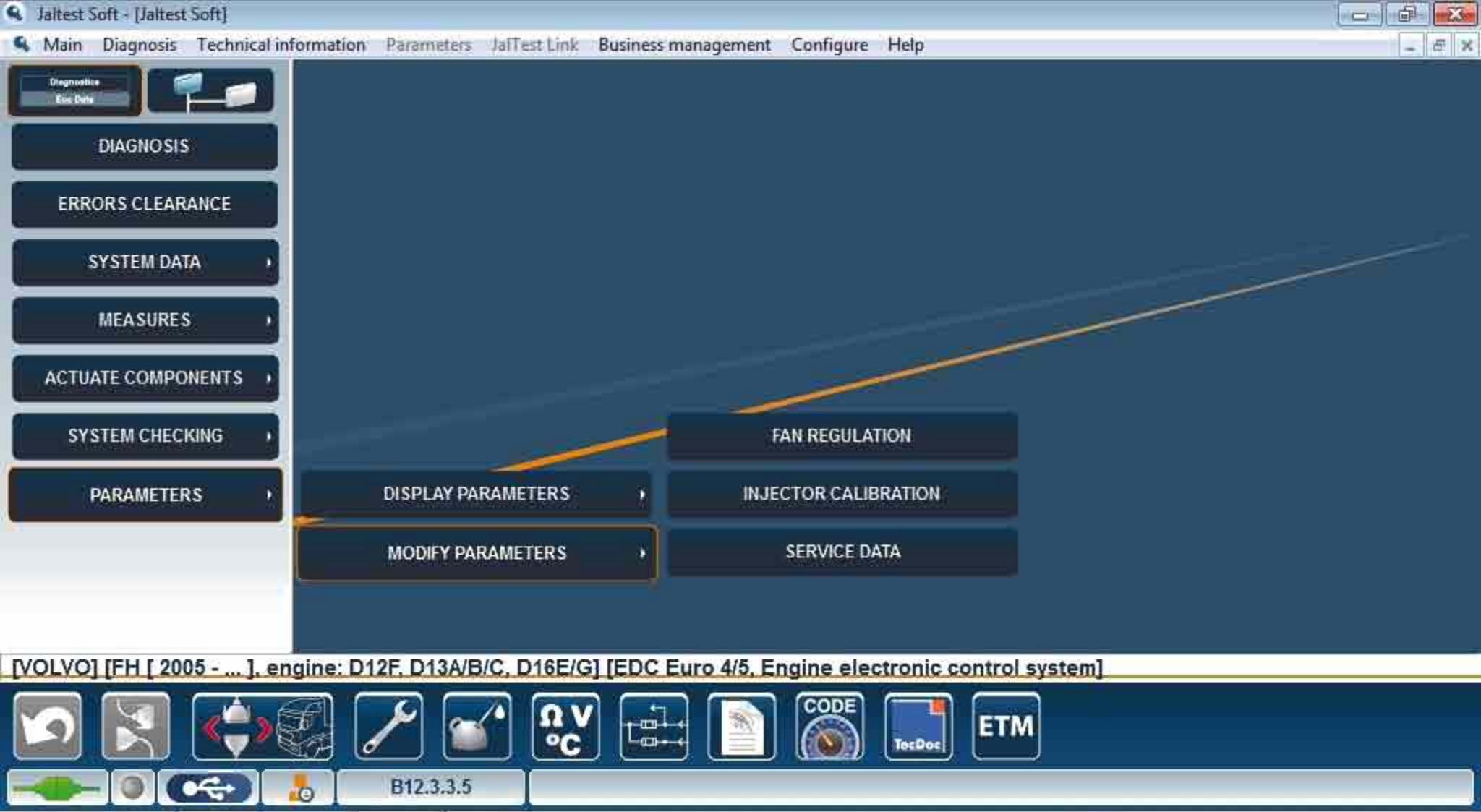
🔌

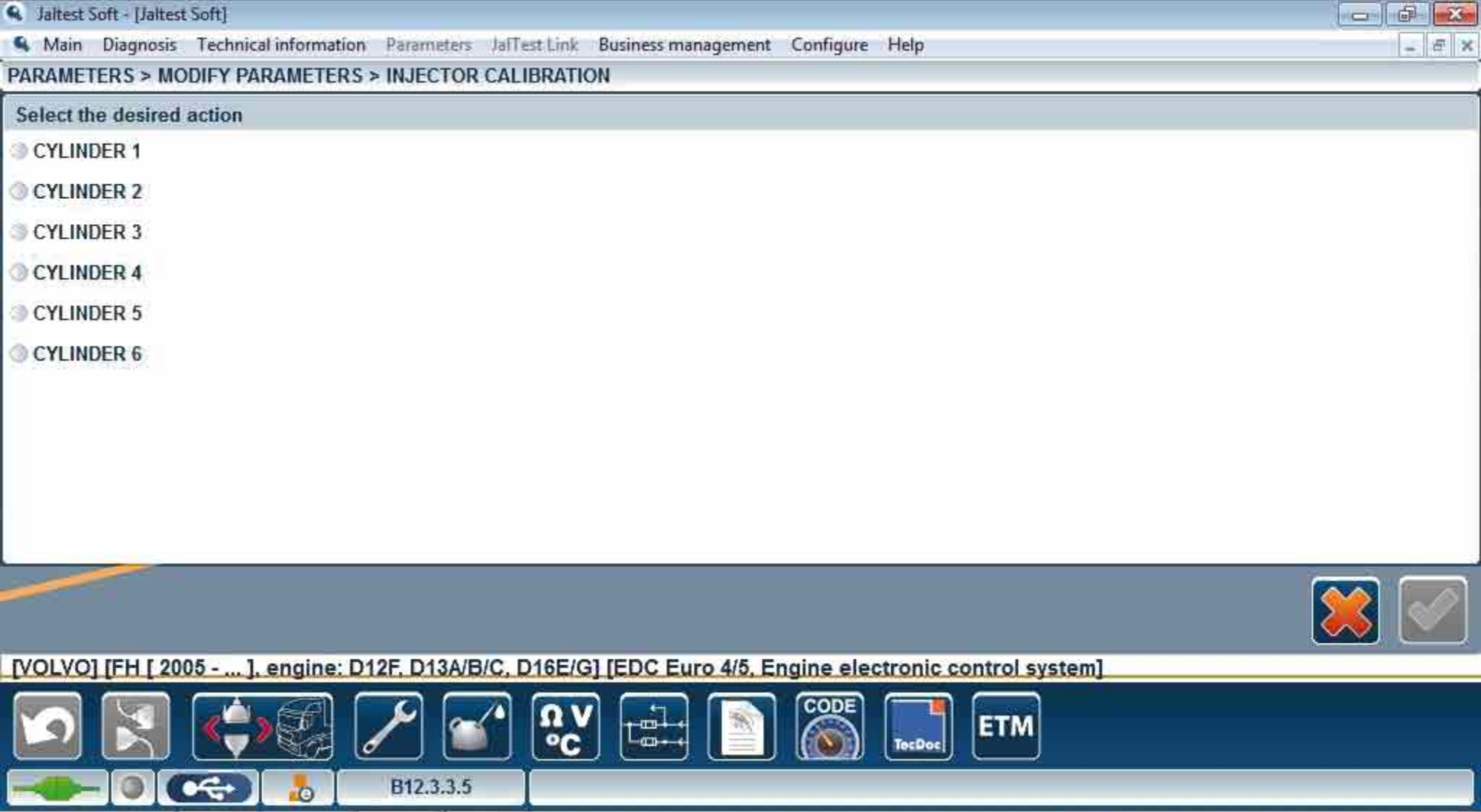
🟢

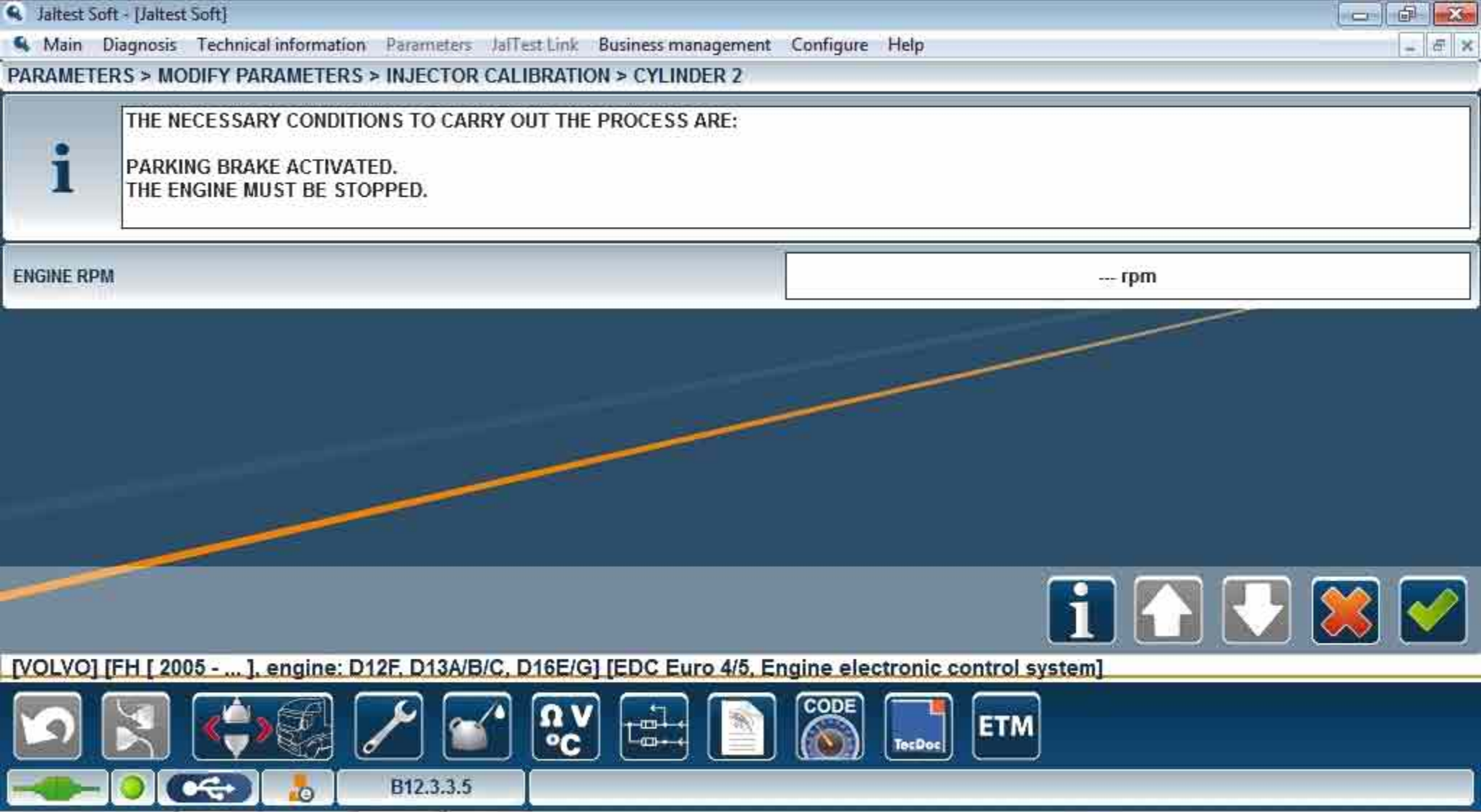
🔌

👤

B12.3.3.5







INJECTOR CODE, CYLINDER 2

100

MODIFY PARAMETERS



B12.3.3.5



PARAMETERS > MODIFY PARAMETERS > SERVICE DATA

Select the desired action

- 1 FUEL CONSUMPTION
- 2 MAXIMUM RPM



[VOLVO] [FH [2005 - ...], engine: D12F, D13A/B/C, D16E/G] [EDC Euro 4/5, Engine electronic control system]



_____ °C

--- bar

--- bar

--- bar

--- 0%

--- bar

--- bar







PRESSURE IN BRAKE CIRCUIT 1, SWITCH STATE

NORMAL ☐

LOW AIR PRESSURE ☐

ERROR ☐

NOT AVAILABLE ☐

PRESSURE IN BRAKE CIRCUIT 2, SWITCH STATE

NORMAL ☐

LOW AIR PRESSURE ☐

ERROR ☐

NOT AVAILABLE ☐

PRESSURE OF THE TRAILER AND PARKING BRAKE SUPPLY CIRCUIT., SWITCH STATE

NORMAL ☐

LOW AIR PRESSURE ☐

ERROR ☐

NOT AVAILABLE ☐

AIR TANK OF THE EMERGENCY BRAKING CIRCUIT OF THE TRAILER, SWITCH STATE

NORMAL ☐

LOW AIR PRESSURE ☐

ERROR ☐

NOT AVAILABLE ☐

* Information subject to the "License Agreement"

[VOLVO] [FH [2005 - ...], engine: D12F, D13A/B/C, D16E/G] [EDC Euro 4/5, Engine electronic control system]

B12.3.3.5



SYSTEM TYPE

Filter by

ALL

ALL

Brakes

Engine

Gearbox

Heater

Suspension

BS Knorr, Brake master cylinder control on suspension

Bosch ABS Gamma 2

Bosch, ELF, Electronic diesel control, injection rail

CR, EDC7 UC31, Electronic diesel control, injection rail

Cummins SAE, Engine control system

DCI EURO 2, Diesel injection control, injection rail

DCI EURO 3, Diesel injection control, injection rail

DMCI, Multi-Controlled Injection

DT466/DT570/HT570, EDC Navistar, Engine control system

DT466/DT570/HT570, Navistar DLCII I6, Engine control system

Detroit Diesel DDEC III, Detroit Diesel Electronic Control

Detroit Diesel DDEC IV, Engine control system

Detroit Diesel DDEC V, Engine control system

F-TECH EURO 2 Pump-Pipe-Injector with electronic diesel control

Model selection

[GENERIC] [Generic]



B12.3.3.5

SYSTEM TYPE

Filter by

Engine



SYSTEM

CR, EDC7 UC31, Electronic diesel control, injection rail
Cummins SAE, Engine control system
DCI EURO 2, Diesel injection control, injection rail
DCI EURO 3, Diesel injection control, injection rail
DMCI, Multi-Controlled Injection
DT466/DT570/HT570, EDC Navistar, Engine control system
DT466/DT570/HT570, Navistar DLCII I6, Engine control system
Detroit Diesel DDEC III, Detroit Diesel Electronic Control
Detroit Diesel DDEC IV, Engine control system
Detroit Diesel DDEC V, Engine control system
E-TECH EURO 2, Pump-Pipe-Injector with electronic diesel control
E-TECH EURO 3, Pump-Pipe-Injector with electronic diesel control
ECS-DC3, Engine management system - DAF Cummins
ECS-DC4, Engine management system - DAF Cummins

[GENERIC] [Generic]



B12.3.3.5

SYSTEM TYPE

Filter by

Suspension



SYSTEM

Bosch, ELF, Electronically controlled air suspension
Knorr-Bremse, ECS E98, Electronically controlled suspension system
Knorr-Bremse, ECS SAE, Electronically controlled suspension system
Knorr-Bremse, ECS V2, Electronically controlled suspension system
Wabco, ECAS 4X2 S2000, Electronically controlled suspension system
Wabco, ECAS 4x2 JED, Electronically controlled suspension system
Wabco, ECAS 4x2 KWP, Electronically controlled suspension system
Wabco, ECAS 4x2 N, Electronically controlled suspension system
Wabco, ECAS 4x2/6x2, Electronically controlled suspension system
Wabco, ECAS 6x2 A, Electronically controlled suspension system
Wabco, ECAS 6x2 DV, Electronically controlled suspension system
Wabco, ECAS CAN2 K, Electronically controlled suspension system
Wabco, ECAS ENR, Level regulation
Wabco, ECAS KWP K, Electronically controlled suspension system

[GENERIC] [Generic]



Edge Data

Edge Data

ECU DATA

MEASURES

ACTUATE COMPONENTS

CALIBRATION

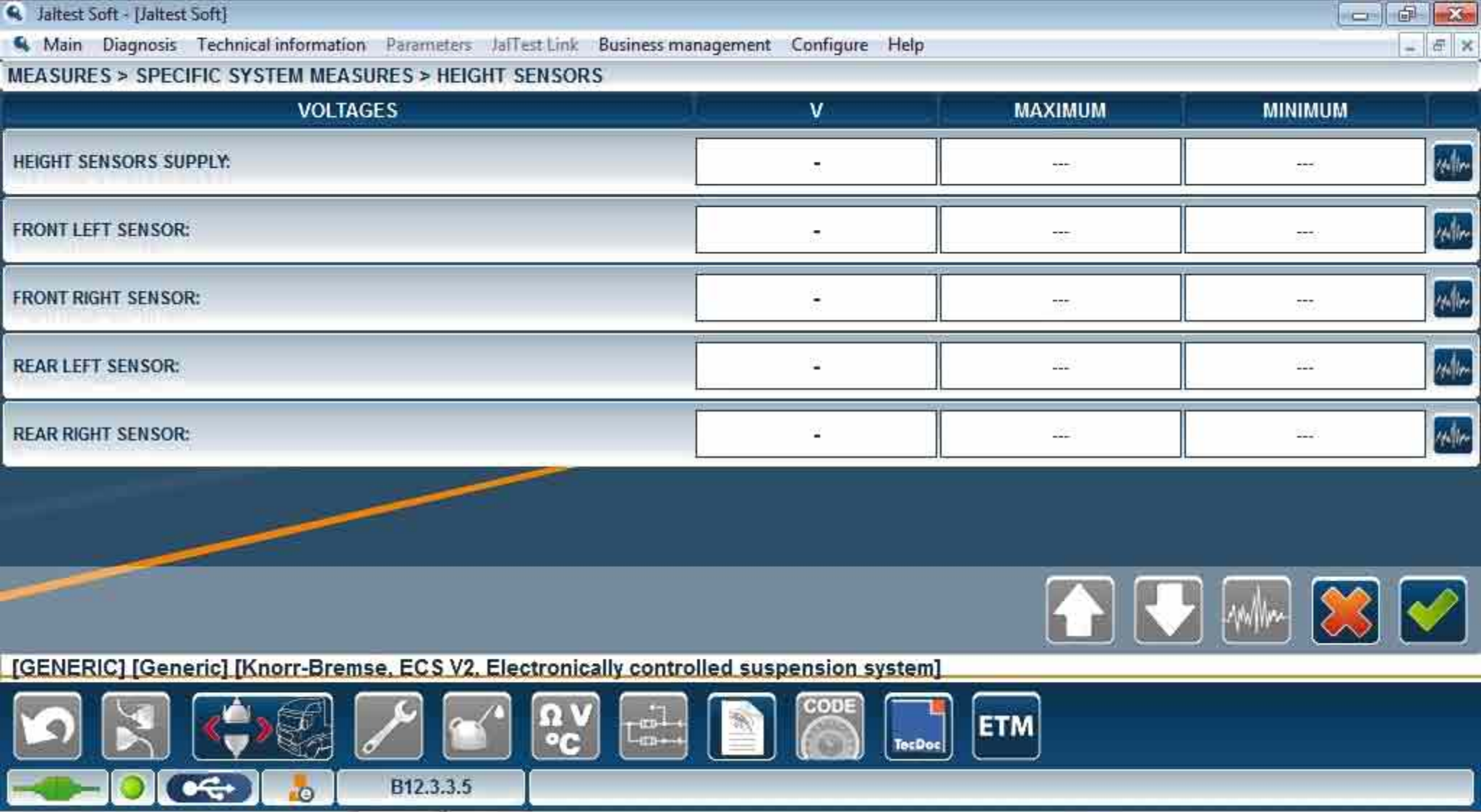
MEASURES SELECTION

GENERAL MEASURES






SPECIFIC SYSTEM MEASURES

B12.3.3.5

TecDoc



SELECT A CONFIGURATION

-  REAR AXLE SUSPENSION, 1 SENSOR OF SUSPENSION CONTROL
-  REAR AXLE SUSPENSION, 2 SENSORS OF SUSPENSION CONTROL
-  INTEGRAL SUSPENSION
-  BUS, INTEGRAL SUSPENSION 4x2
-  BUS, INTEGRAL SUSPENSION 6x2



JaTest Soft - [JaTest Soft]

Main

Diagnosis

Technical information

Parameters

JaTest Link

Business management

Configure

Help

CALIBRATION > CALIBRATE HEIGHT SENSOR

INFORMATION

Calibration steps


Make sure that these instructions are followed in order to avoid personal injuries or damages!

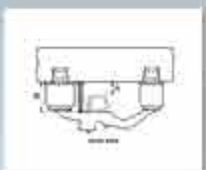
- Release the parking brake.
- In 6x2 vehicles adjust the lift axle in the central position and the trailing axle in the lower position.
- The compressed air system must exceed the 10,5 bars. Then, stop the engine.
- Calibrate the suspension system. When the process is finished, the vehicle is raised automatically as long as it has been successfully completed.
- Calibration level for the rear axle for all chassis.
A. 160 mm. and B. 307 mm.
- The driving level must be 331 mm if the calibration is made for all previously suggested values.
- Calibrated level for the front axle for all chassis 270 mm.


Height sensor checking values


The value of the height sensors shown is the voltage signal received by the control unit from the sensor.

A height sensor presents three terminals. A line which is the common ground for the sensor supply and the sensor signal, the electrical supply
























[GENERIC] [Generic] [Knorr-Bremse, ECS V2, Electronically controlled suspension system]





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