



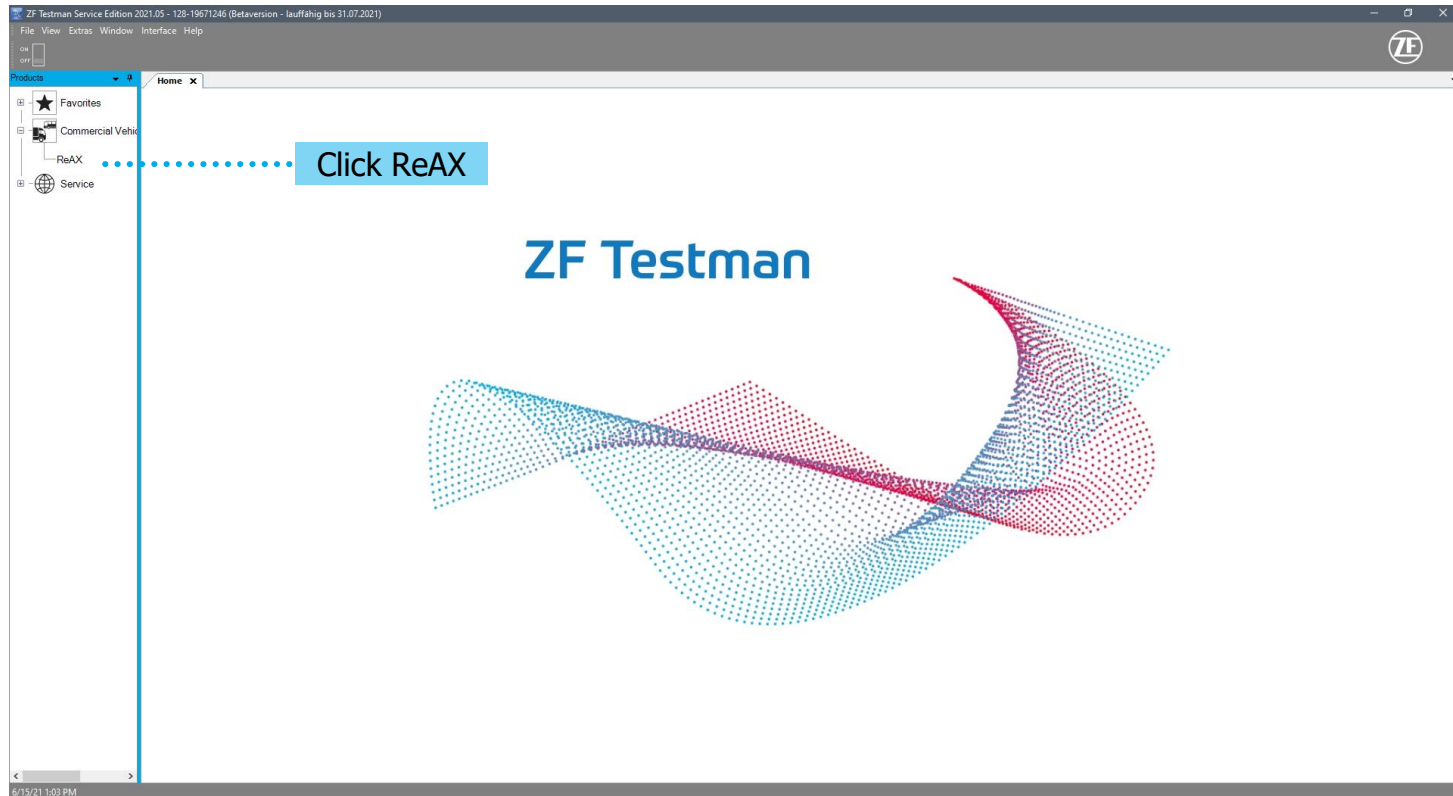
Testman Software Installation User Manual For ReAX Gen2

6/16/21

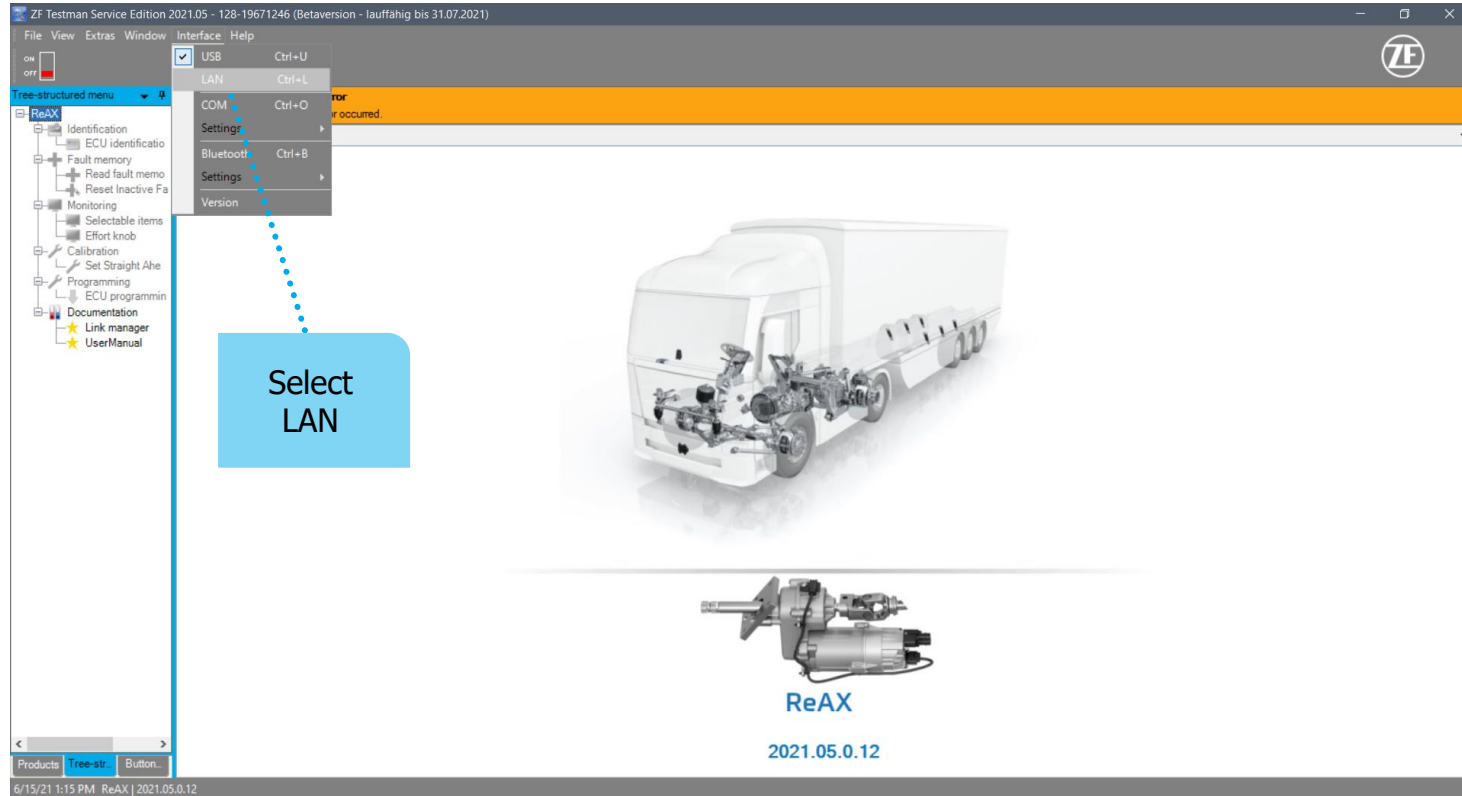
Initial Testman Start –Up Procedure

- 1) Connect Testman DPA to the provided 9 pin J19 connector
- 2) Connect The Testman DPA to the Lap top using the provide LAN cable
- 3) Plug the 9 Pin connector into the coaches J19 communication port
- 4) Turn the ignition key to ON position
- 5) Right click the Testman Beta icon on the lap top (desk top) this will launch the testman

Select ReAX on the drop down to start Testman



Verify under the interface tab that the correct cable is selected. Use the provided blue LAN cable



Click the Toggle button to the ON position. When prompted click Accept to establish connection.

Turn toggle to on

Safety instructions

This test software may only be used by trained personnel.
There must be sufficient safety space within the action range of the vehicle to make sure that no persons are endangered.
The vehicle manufacturer's instructions and specs for installation and commissioning of the unit must be observed.

The repair aid shown is based on the design state of the ZF unit at the time of software generation. Technical further development of the product as well as additions regarding potential versions may require deviating working operations which can be performed by qualified personnel without any problems with the help of the perspective views in the relevant spare parts lists. These disassembly and assembly instructions will cease to be legally binding when a new issue is published.

This is a single licence and may be installed on one computer only.
This software may not be copied without official approval of the manufacturer ZF.
To permit trouble-free communication, the following conditions must be fulfilled:

1. Switch off ignition.
2. Establish an electrical connection (cable) between laptop, DPA and control unit.
3. Switch on ignition.

Accept Reject

Click accept

ReAX
2021.05.0.12

Once communication is established the CAN link will turn green and the Tree menu will become functional

The screenshot displays the ZF Testman Service Edition 2021.05 - 128-19671246 (Betaversion - lauffähig bis 31.07.2021) software interface. The left sidebar shows a 'Tree-structured menu' with categories like Identification, Fault memory, Monitoring, Calibration, Programming, and Documentation. The main window is titled 'ReAX' and features a diagram titled 'Establishing communication'. The diagram shows a laptop connected via USB to a central unit, which is then connected via CAN/K-Line to another unit. A blue box with the ZF logo is overlaid on the diagram, and a light blue box with the text 'Will turn green' is positioned to the right. A dotted line points from the 'Tree-structured menu' to a light blue box with the text 'Grey area disappears'. Below the diagram, a ReAX motor assembly is shown with the text 'ReAX' and '2021.05.0.12'.

Tree-structured menu

ReAX

Establishing communication

Establishing communication

USB

CAN/K-Line

Will turn green

Grey area disappears

ReAX

2021.05.0.12

When you see this screen a connection is established and you are ready to communicate with the ReAX. Click ECU Programming

ZF Testman Service Edition 2021.05 - 128-19671246 (Betaversion - lauffähig bis 31.07.2021)

File View Extras Window Interface Help

ON OFF

Tree-structured menu

- ReAX
 - Identification
 - ECU identification
 - Fault memory
 - Read fault memo
 - Reset Inactive Fa
 - Monitoring
 - Selectable items
 - Effort knob
 - Calibration
 - Set Straight Ahe
 - Programming
 - ECU programmin
 - Documentation
 - Link manager
 - UserManual

Set Straight Ahead

To run the calibration, the vehicle must be stationary and the following signal preconditions must be met:

 - * Vehicle speed < 3 km/h
 - * Engine speed < 800 rpm

Preconditions

Vehicle speed: 0.00 km/h

Engine speed: 700.25 rpm

☐ Wheels centered

Steering Result

Handwheel position: -1.94 °

Column torque: -0.06 Nm

Absolute Steering Position valid

Preconditions not met

Start

ECU Software Information

ECU Software Number
s2RX5C14G

Software Tune Variant
s3RX5C14G01

Effort knob

Available 512

System state

ReAX Operational

Fault memory

Error code	Description	Active
7FB91	Internal ReAX error	No
7FA89	CAMERA message timeout or invalid/implausible signal received	No
7FA82	Yaw rate message missing or invalid	Yes

Reset Inactive Faults

Click ECU

6/15/21 1:17 PM ReAX | 2021.05.0.12

SW: s3RX5C14G01

Fill in the required fields when prompted and click next

ZF Testman Service Edition 2021.05 - 128-19671246 (Betaversion - lauffähig bis 31.07.2021)

File View Extras Window Interface Help

ON OFF

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Set Straight Ahead ECU programming (14G01)

ECU programming (14G01)

1/6

Vehicle data

Processed by* - +

Vehicle owner

License plate

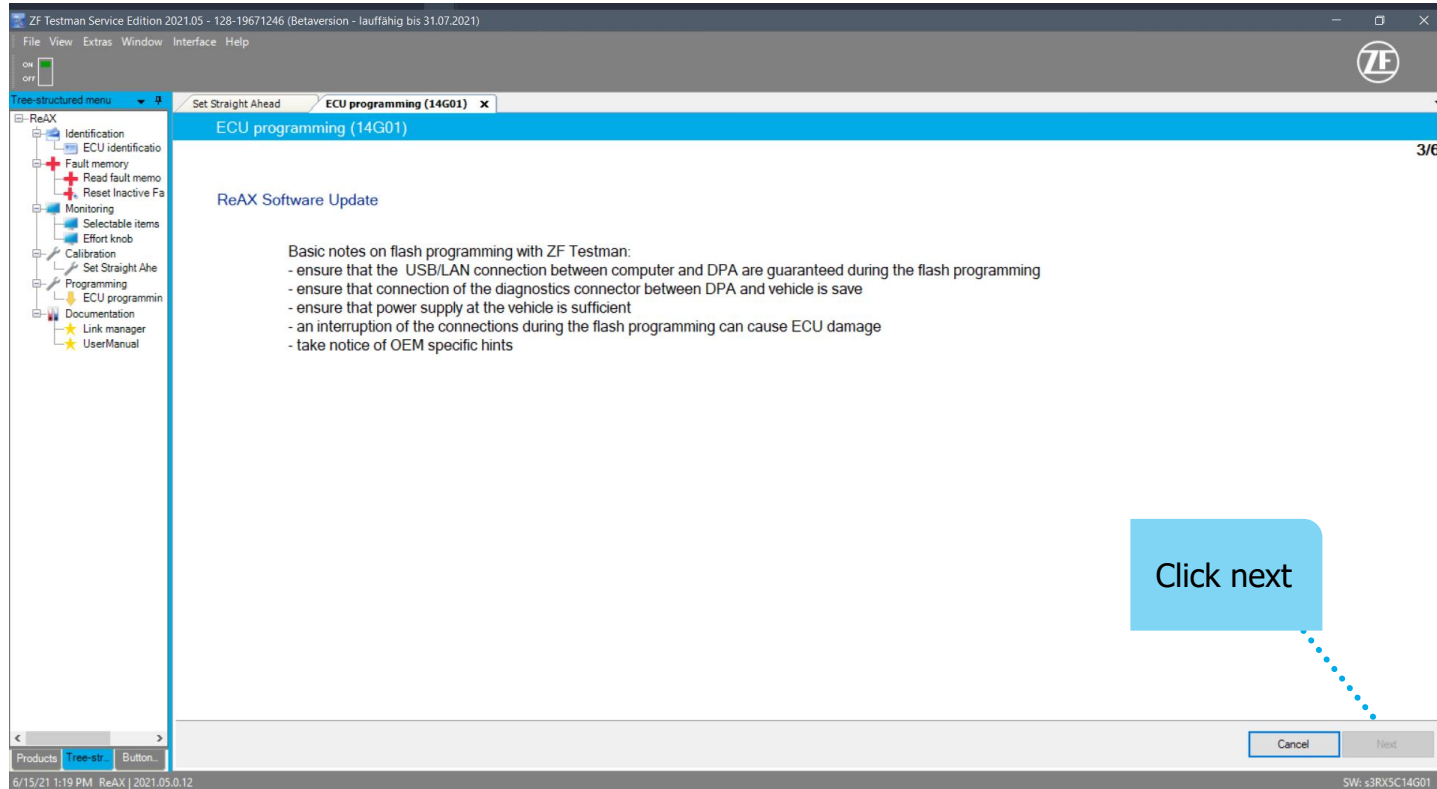
* Mandatory details

Click next

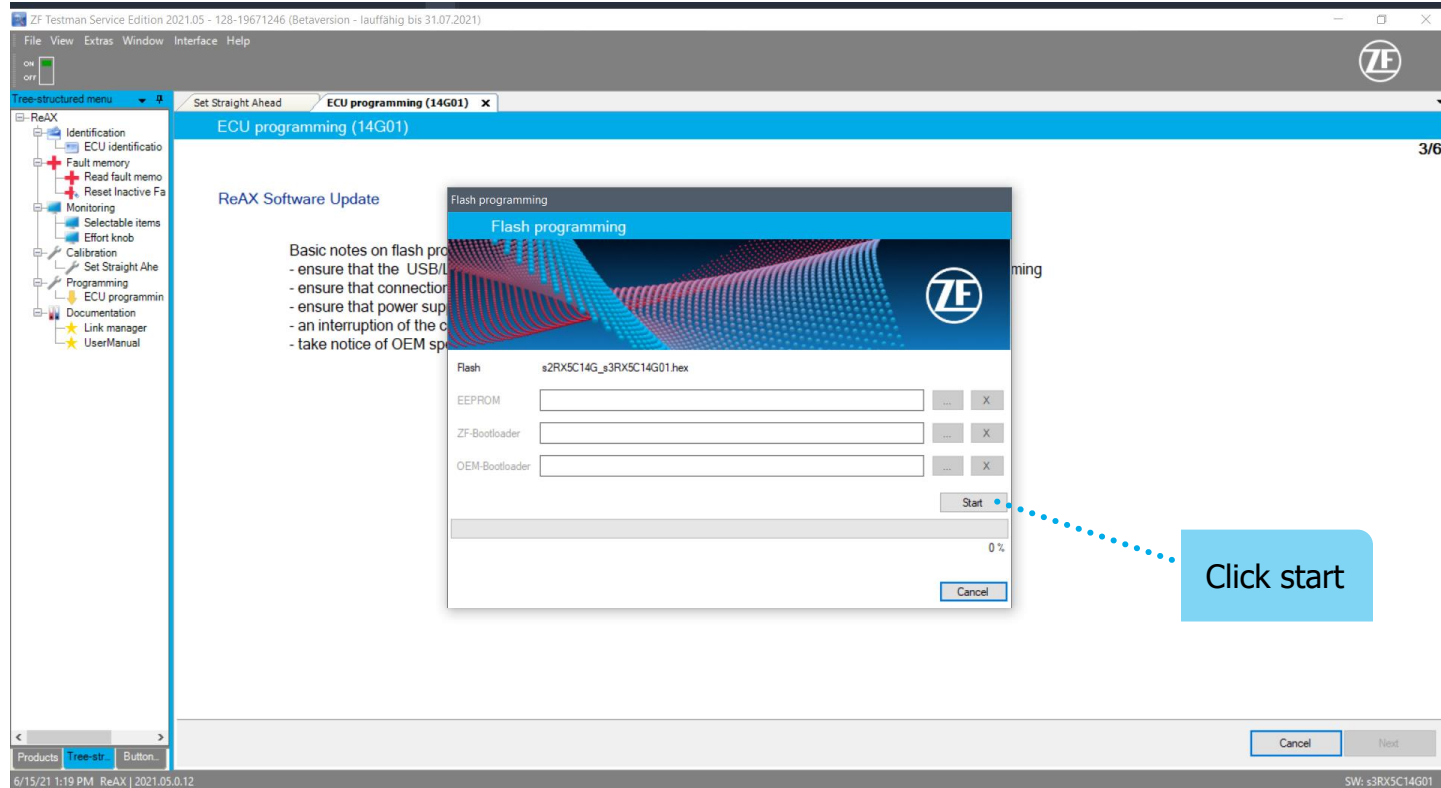
Cancel Next

6/15/21 1:18 PM ReAX | 2021.05.0.12 SW: c3RX5C14G01

Verify the following requirements are complete and click next



To launch the download process click start and follow the prompts when asked for vehicle information.



When reflash is complete, turn toggle button off then back on to verify the correct software is installed. (S2RX5C14G)

Toggle button

ZF Testman Service Edition 2021.05 - 128-19671246 (Betaversion - lauffähig bis 31.07.2021)

File View Extras Window Interface Help

Tree-structured menu

Set Straight Ahead

ReAX

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Reset Inactive Faults

6/15/21 1:17 PM ReAX | 2021.05.0.12

SW: s3RX5C14G01

The ReAx software has now been updated

- 1) Turn ignition to the off position
- 2) Disconnect cables from Testman DPA and securely repackage in container
- 3) Return Testman to: ZF/TRW
800 heath street
Lafayette, Indiana 47904

For questions or technical support please call Scott Jones 765-414-5944 or email patrick.jones@zf.com