

Fox Shock Ride Height Reset Procedure

No.

FWB-013B

MAKE/MODEL

2022-On P703 FORD RANGER RAPTOR

You will require OBDWIZ software for the OBD2 Connector to work and FORD FORSCAN Software.

RANGER RAPTOR NEXT GEN RIDE HEIGHT CALIBRATION.

1. Start vehicle with foot on the brake pedal and move the gearshift to the NEUTRAL POSITION.
2. Press the button on the side of the gearshift labelled “M” for Manual Mode.
3. Switch off the engine and Release the brake pedal.
4. Connect the OBD2 Module to the USB on the laptop and the other end into the OBD2 Port Coonector on the vehicle.
5. Return to the IGNITION ON ENGINE OFF Mode.
6. Open the FORSCAN Program and check all warning parameters then select OK.
7. If a warning comes up about Maximum Performance, Tick YES.
8. The INTERFACE for VEHICLE and READY will turn GREEN when ready and the LOG will start to run.
Refer Screenshot Below.

FORScan v2.3.58 release, Ford Ranger EcoBoost Gasoline Turbocharged Direct Injection 3.0L 2023 (2022 MY), VIN: MPB*****50987

Log | Configuration | Modules | Profiles

- ✓ [16:03:07.018] Connection to vehicle has been established
- ✓ [16:03:07.250] Vehicle: Ford Ranger EcoBoost Gasoline Turbocharged Direct Injection 3.0L 2023 (2022 MY), VIN: MPB*****50987
- ✓ [16:03:10.719] Found module: PCM - Powertrain Control Module
- ✓ [16:03:18.979] Found module: OBDII - On Board Diagnostic II
- ✓ [16:03:19.525] Found module: SODR - Side Obstacle Detection Control Module - Right
- ✓ [16:03:19.929] Found module: SODL - Side Obstacle Detection Control Module - Left
- ✓ [16:03:20.386] Found module: CCMii - Cruise Control Module
- ✓ [16:03:20.751] Found module: ABS - Antilock braking system
- ✓ [16:03:22.005] Found module: PSCM - Power Steering Control Module
- ✓ [16:03:23.882] Found module: BdyCM - Body Control Module
- ⚠ [16:03:26.634] DTCs in BdyCM: B10F3:15-48, B10F4:15-48, B14D8:15-0A, B1444:15-48, B1448:15-48
- ✓ [16:03:26.853] Found module: VDM - Vehicle Dynamics Module
- ✓ [16:03:27.719] Found module: GWM - Gateway Module A
- ✓ [16:03:28.063] Found module: IPMA - Image Processing Module A
- ⚠ [16:03:28.442] DTCs in IPMA: B1578:78-2F
- ✓ [16:03:28.828] Found module: AWD - All Wheel Drive Module
- ✓ [16:03:31.399] Found module: BCMC - Body Control Module C
- ✓ [16:03:33.615] Found module: APIM - Accessory Protocol Interface Module
- ✓ [16:03:34.845] Found module: FCIMB - Front Controls Interface Module B
- ✓ [16:03:35.636] Found module: ATCM - All Terrain Control Module
- ✓ [16:03:36.001] Found module: TRM - Trailer Module
- ✓ [16:03:38.416] Found module: DSP - (Audio) Digital Signal Processing Module
- ✓ [16:03:40.054] Found module: OCS - Occupant Classification System Module
- ✓ [16:03:40.965] Found module: TCU - Telematic Control Unit Module
- ✓ [16:03:42.047] Found module: RTM - Radio Transceiver Module
- ✓ [16:03:43.059] Found module: PDM - Passengers Door Control Unit
- ✓ [16:03:45.492] Found module: DDM - Drivers Door Module
- ✓ [16:03:48.036] Found module: RCM - Restraint Control Module
- ✓ [16:03:50.764] Found module: HCM - Headlamp Control Module
- ⚠ [16:03:52.252] DTCs in HCM: B1D64:87-08, B1D65:87-08
- ✓ [16:03:52.492] Found module: HVAC - Heating Ventilation Air Conditioning
- ✓ [16:03:54.415] Found module: GSM - Gear Shift Module
- ✓ [16:03:55.022] Found module: ACM - Audio Control Module
- ✓ [16:03:56.420] Found module: WACM - Wireless Accessory Charging Module
- ✓ [16:03:57.250] Found module: SCCM - Steering Column Control Module
- ✓ [16:03:57.615] Found module: IPC - Instrument Panel Control Module

Interface: ☒ Vehicle: ☒ Ready

11.9V

28°C Windy 4:05 PM 7/03/2024

When the Vehicle Log has finished it will ask you to save the profile so TICK YES.

Now click on the READ PID DATA It's the button that looks like a waveform and it will open up with blank rectangles.

FORScan v2.3.58 release, Ford Ranger EcoBoost Gasoline Turbocharged Direct Injection 3.0L 2023 (2022 MY), VIN: MPB*****50987

Dashboard | Oscilloscope | Table

Read PID data

PCM

0.00/0.00 s

1:1

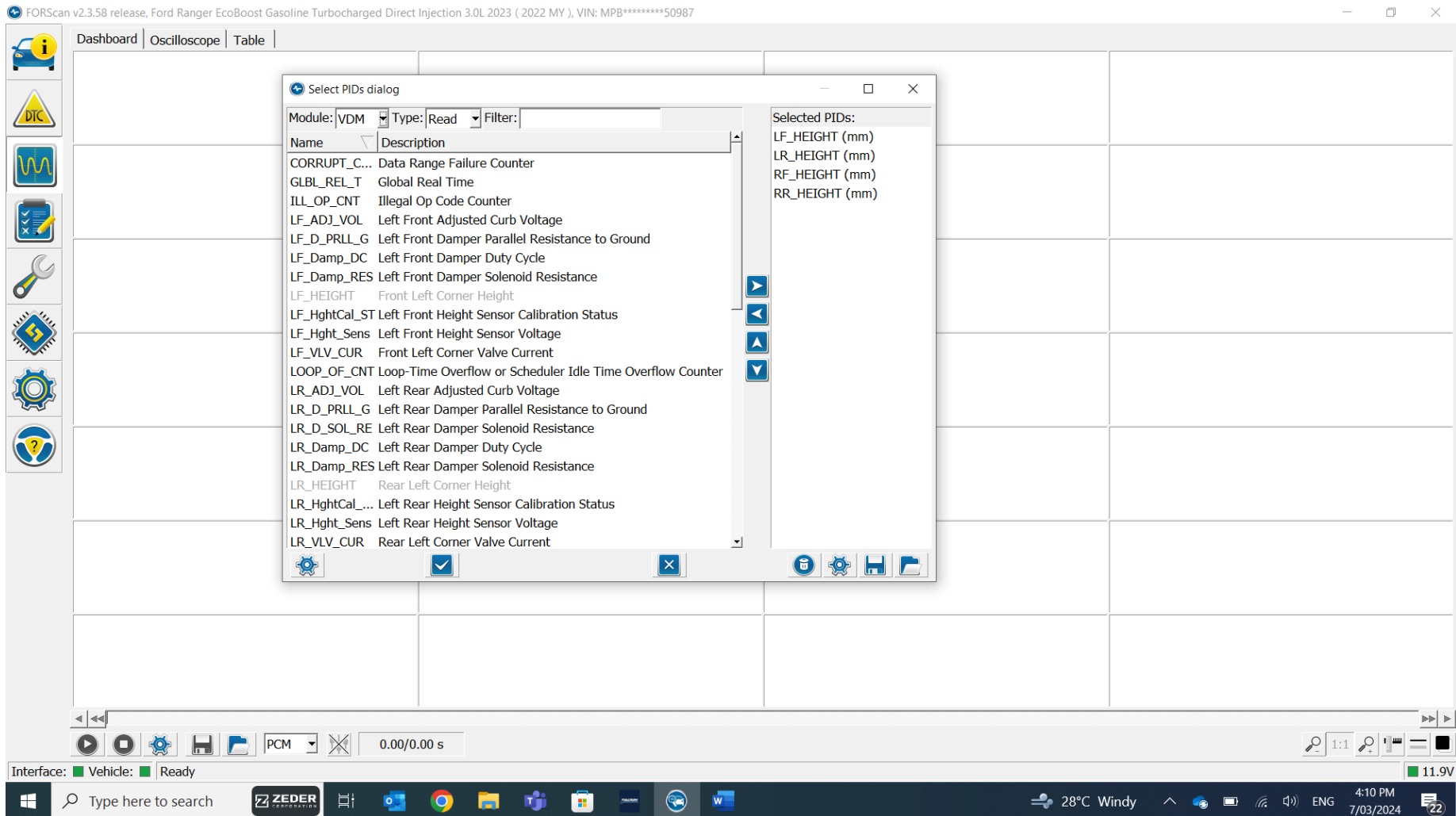
Interface: Vehicle: Ready 11.9V

Windows taskbar

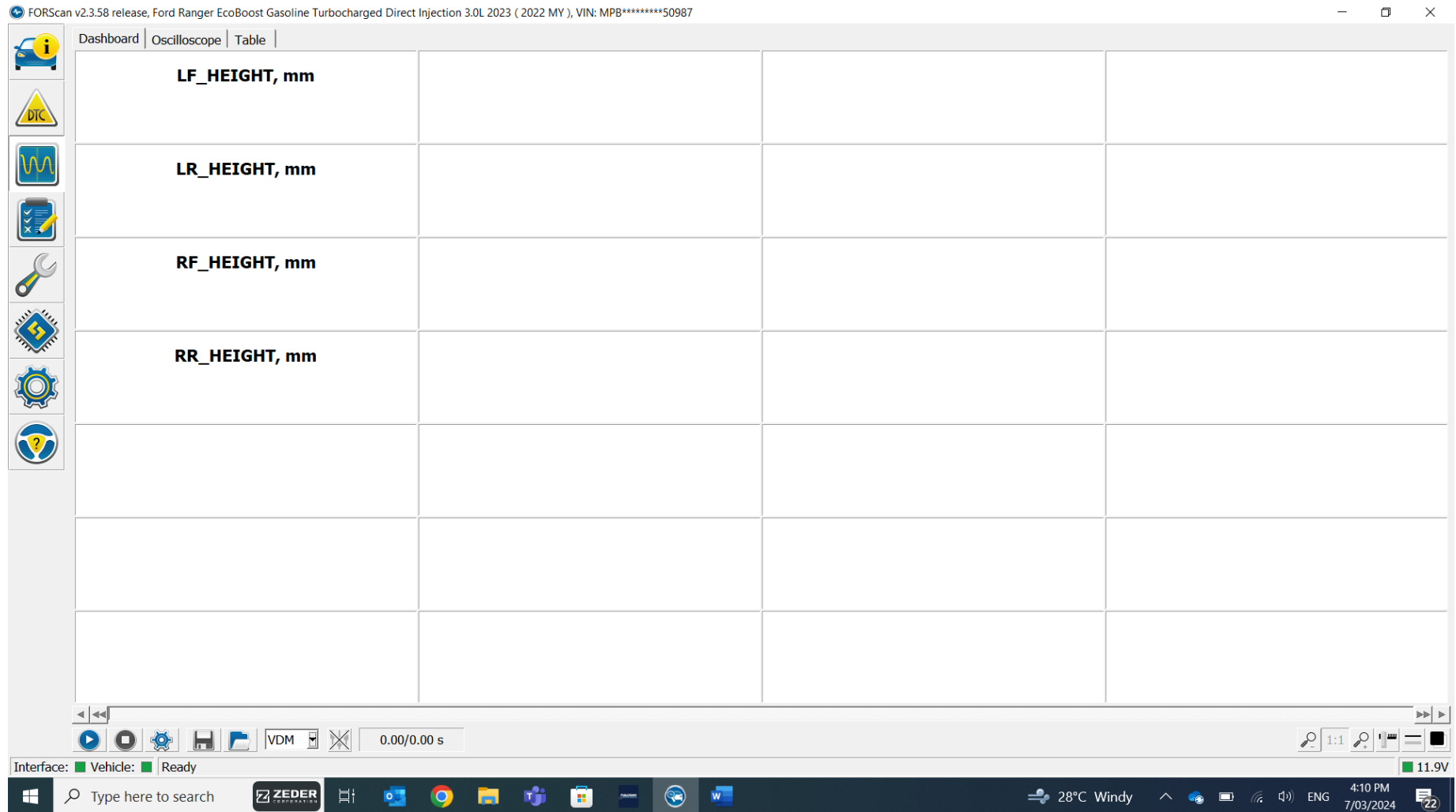
28°C Windy

4:08 PM 7/03/2024

DOUBLE CLICK the LEFT MOUSE BUTTON to open up a selection box. Change the Module Type to VDM. Select one of the CORNER HEIGHTS and then use the arrow buttons to transfer it to the right hand side. Now proceed to do this for the other CORNER HEIGHTS and it should end up looking like the screenshot. Once that is done you must click on the TICK at the bottom of the selection box.



The screen will now look like this. Now go to the PLAY button at the bottom (Start Live Data) and click on it.



The Data will start to read out like so. Let it read for a moment or 2 then click on the STOP button.

The screenshot displays the FORScan v2.3.58 software interface. At the top, a title bar reads "FORScan v2.3.58 release, Ford Ranger EcoBoost Gasoline Turbocharged Direct Injection 3.0L 2023 (2022 MY), VIN: MPB*****50987". Below the title bar is a navigation menu with "Dashboard", "Oscilloscope", and "Table" tabs. The "Table" tab is active, showing a table with four columns and five rows of data. The first column contains labels for various height measurements, and the second column contains their corresponding values. The first four rows have data, while the fifth row is empty. On the left side of the interface is a vertical toolbar with icons for information, DTC, waveform, clipboard, wrench, and a question mark. At the bottom of the interface is a control bar with a "Stop live data" button, a play button, a settings gear, a file icon, a folder icon, a dropdown menu showing "VDM", a refresh icon, and a timestamp "46.99/46.99 s". On the far right of the control bar are zoom controls (1:1), a full-screen icon, and a status indicator showing "11.9V". The Windows taskbar is visible at the very bottom, showing the search bar, taskbar icons for ZEDER, File Explorer, Microsoft Edge, and others, and the system tray with the date and time "4:11 PM 7/03/2024".

Click on the button that looks like a SPANNER and it will list a set of service procedures. Select the one that says VDM Ride Height Calibration and click on the PLAY button (Run Service Procedure) at the bottom of the screen.

FORScan v2.3.58 release, Ford Ranger EcoBoost Gasoline Turbocharged Direct Injection 3.0L 2023 (2022 MY), VIN: MPB*****50987



Service Procedures | Log

Module	Name
PCM	Reset All Adaptations
PCM	Module Reset
SODR	Module Reset
SODL	Module Reset
CCMii	Module Reset
ABS	Module Reset
PSCM	Module Reset
BdyCM	Local Interconnect Network New Module Calibration
BdyCM	Tire pressure monitor learning mode
BdyCM	Enhanced Exterior Lighting Calibration
BdyCM	Battery Monitoring System Reset
BdyCM	Module Reset
VDM	Ride Height Calibration
VDM	Module Reset
GWM	Module Reset
IPMA	Local Interconnect Network New Module Calibration
IPMA	Lane Departure Warning System Camera calibration
IPMA	Rear Camera Calibration
IPMA	Pro Trailer Backup Assist Camera Calibration
IPMA	360° View Camera Calibration
IPMA	Module Reset
AWD	Reset All Adaptations
AWD	Module Reset
BCMC	Module Reset
APIM	Module Reset
FCIMB	Module Reset
ATCM	Module Reset
TRM	Module Reset
DSP	Module Reset
OCS	Module Reset
TCU	Module Reset
RTM	Module Reset
PDM	Module Reset
DDM	Module Reset

Run service procedure



All

0%

Interface: Vehicle: Ready

11.9V

Type here to search

ZEDER



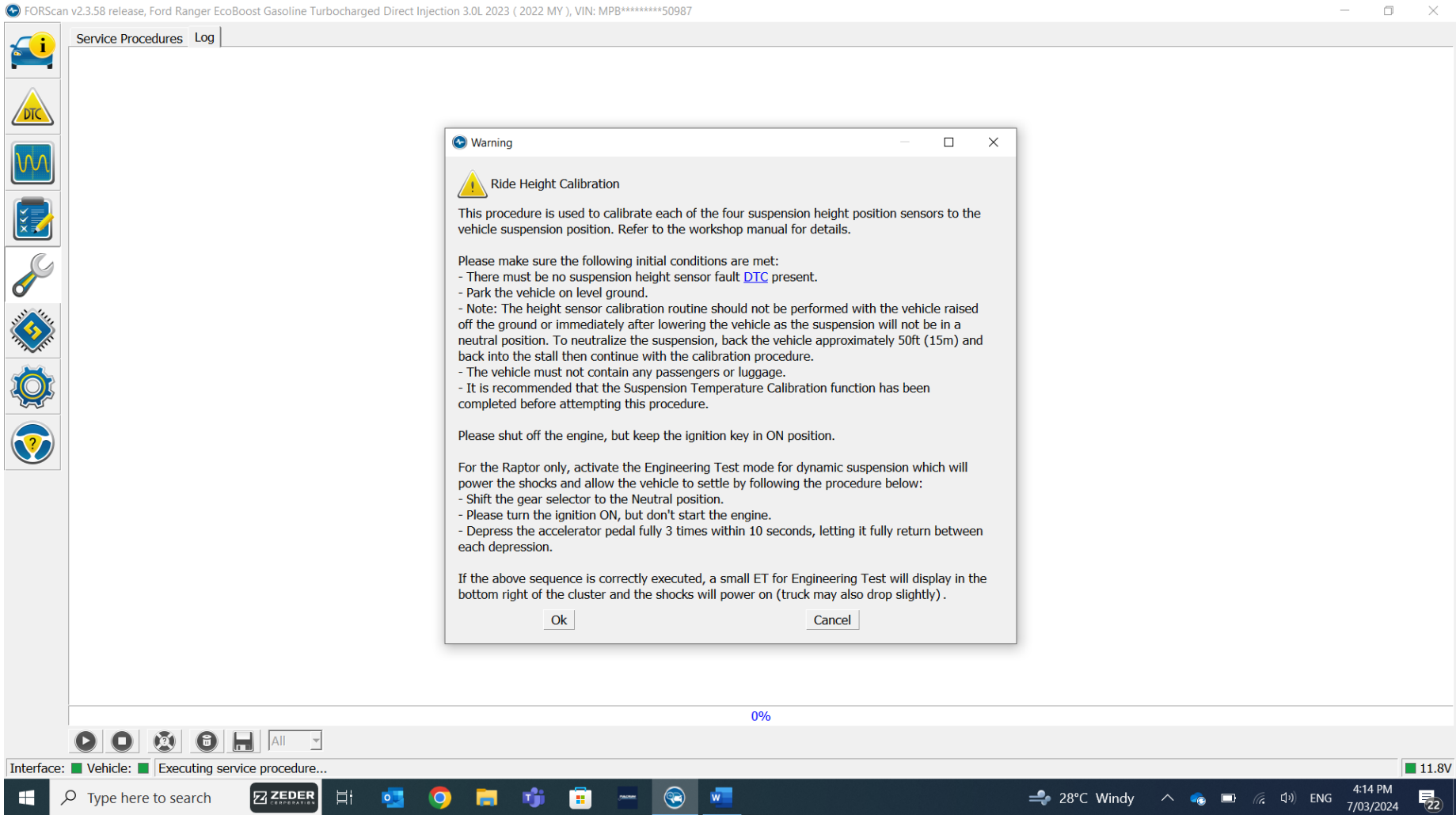
28°C Windy

4:14 PM 7/03/2024

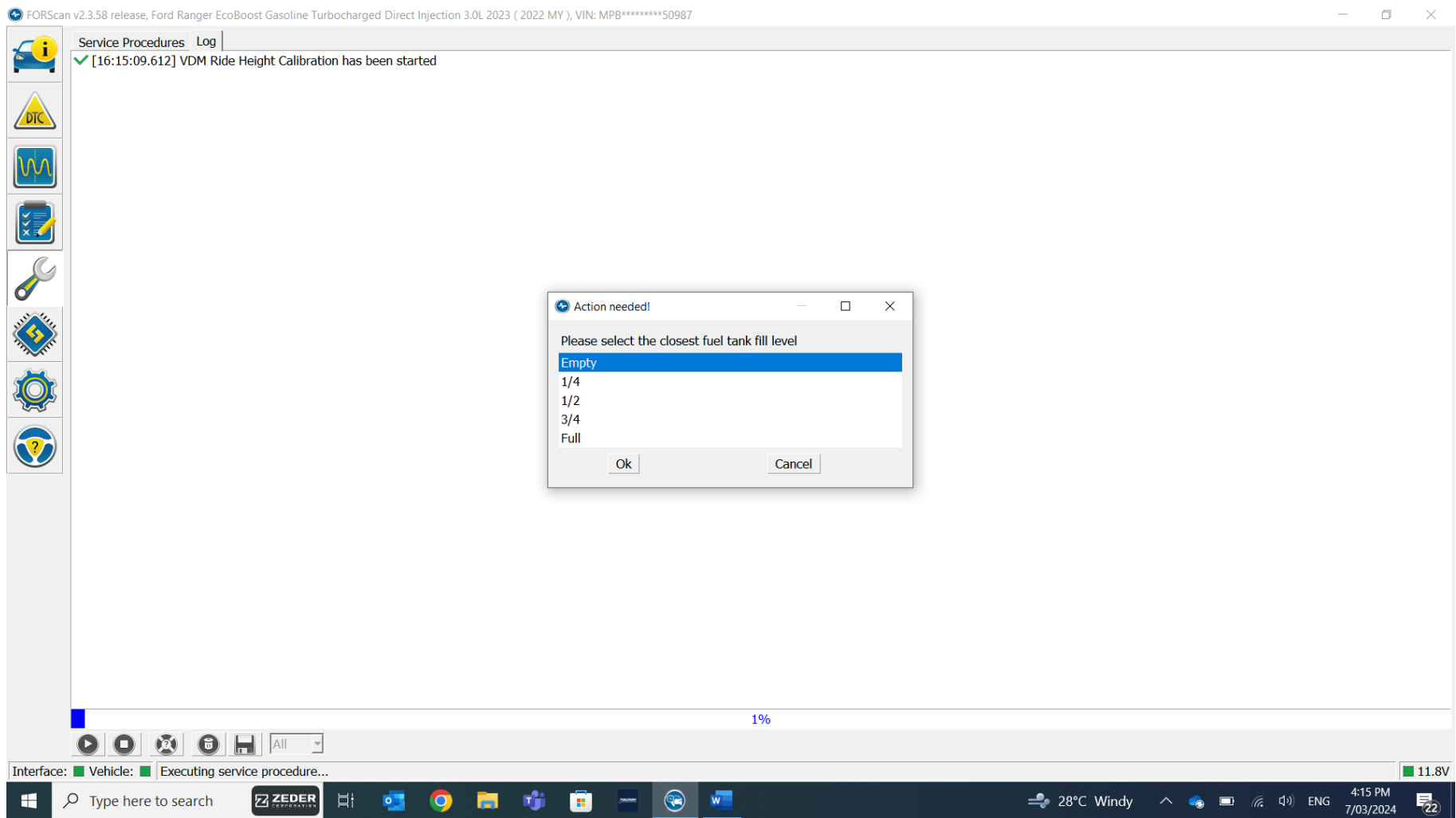
ENG

22

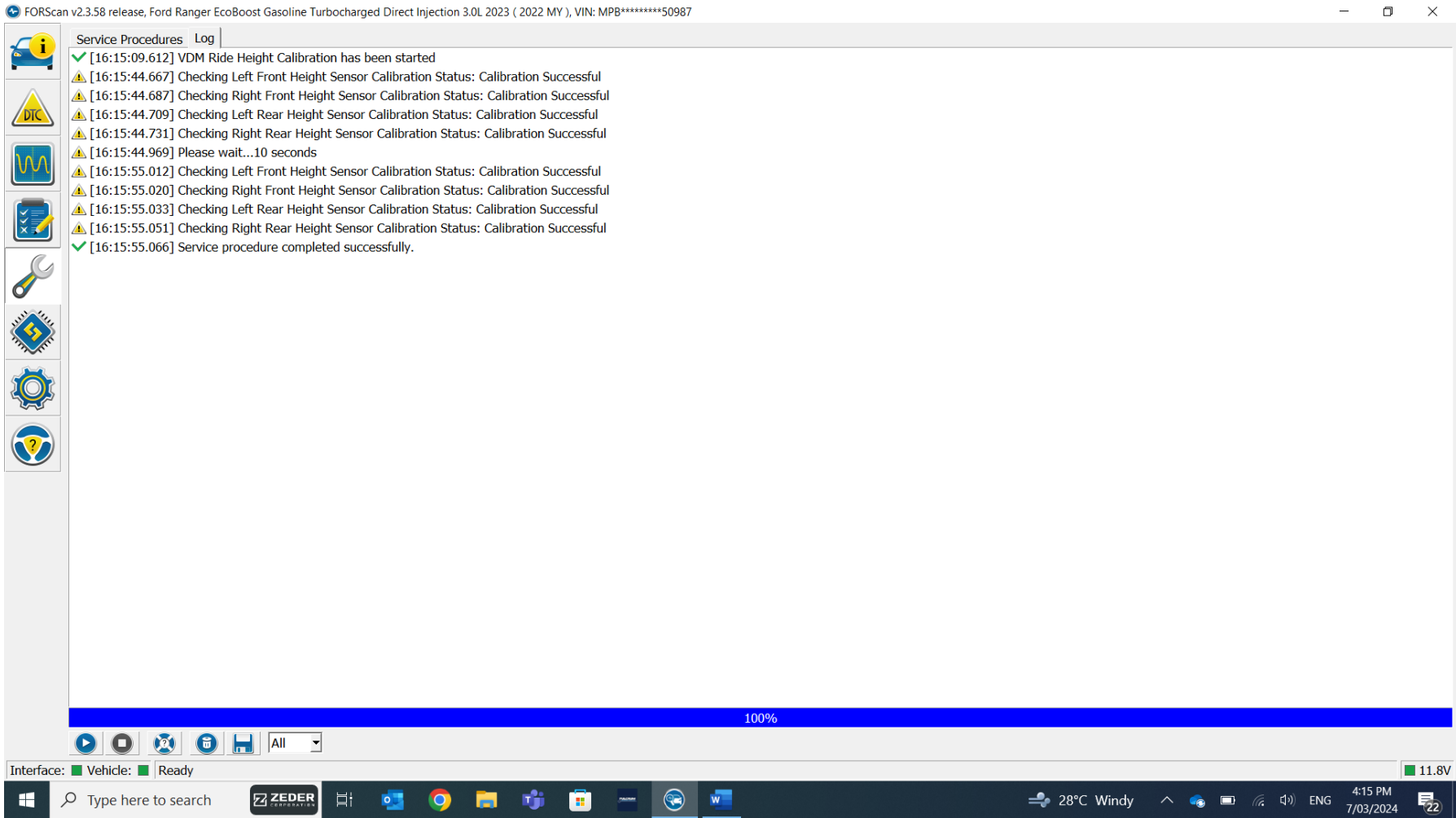
A WARNING will appear for the RIDE HEIGHT CALIBRATION. Read it thoroughly and if good to go click OK



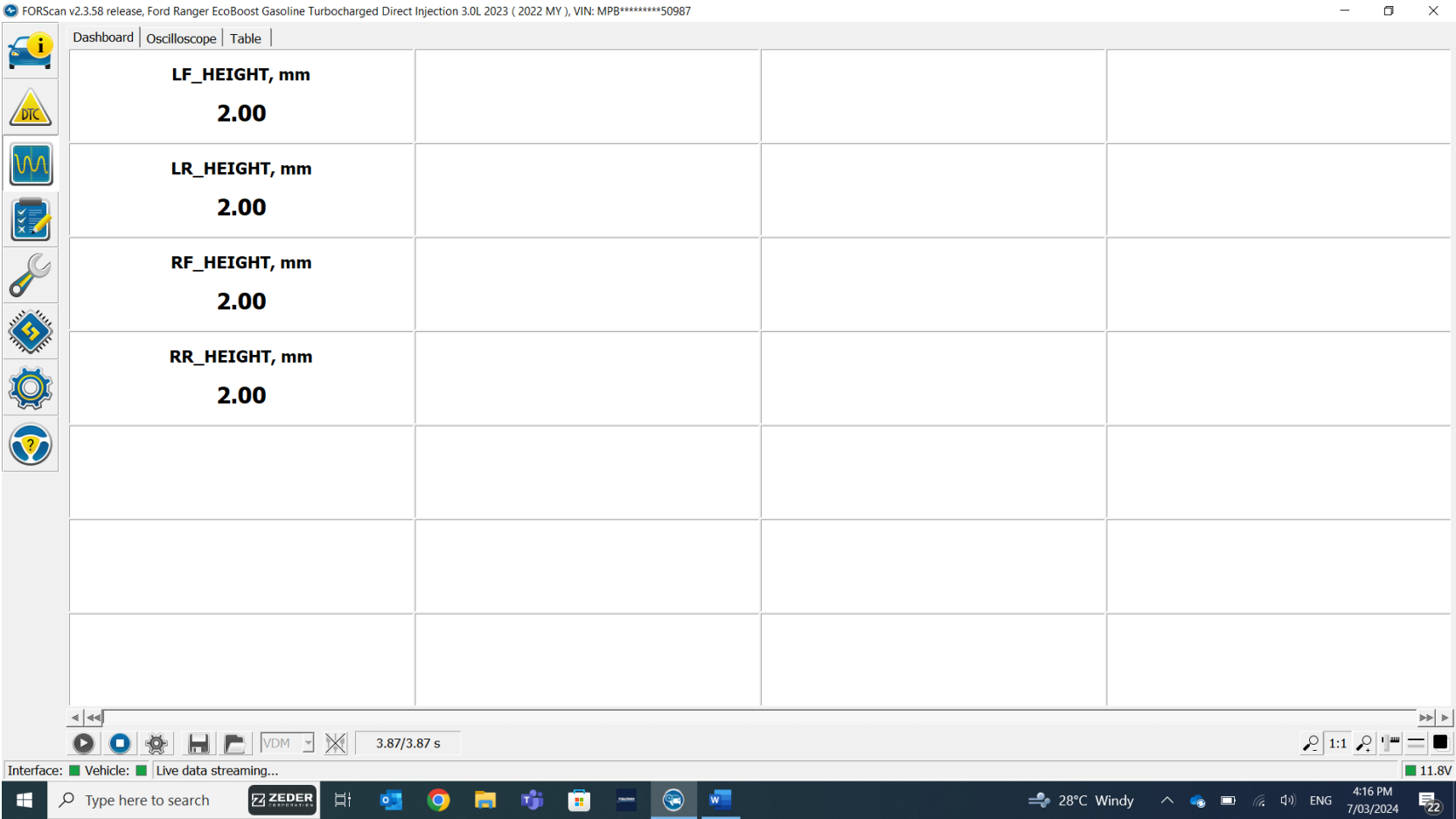
It will ask you how much FUEL is in the tank. Select the level at which it is at and click OK.



The SERVICE PROCEDURE will now run. It will load up to 100% and say SERVICE PROCEDURE COMPLETED SUCCESSFULLY.



If you wish to see if it was successful head back to the button that looks like a waveform and click on it. The preset parameters will show up in each rectangle. To view the changes, click on the PLAY button and you should be reading almost even numbers on each of the corners.



To EXIT click on the car with the Info button which is the first screen you entered at the beginning.

Click on the button that says to DISCONNECT FROM VEHICLE. You can now disconnect the cabling.

