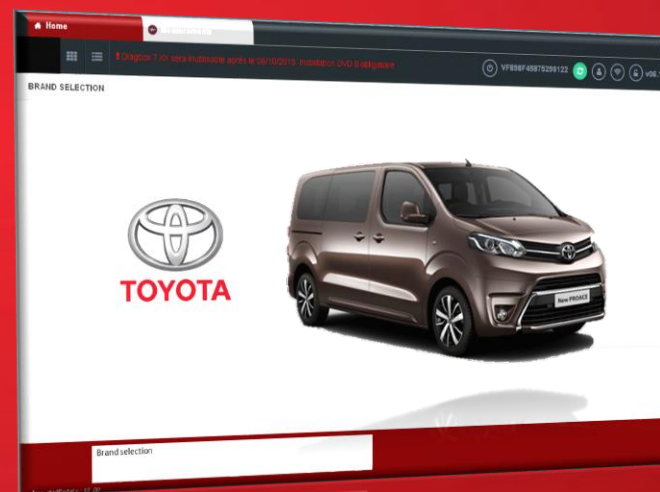
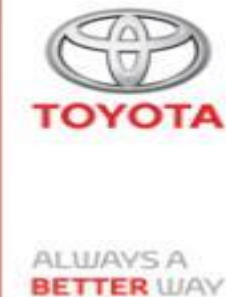


DiagBox on GTS



ProAce › After Sales implementation



ALWAYS A
BETTER WAY



Diagnostic
tool

Repair
Manual

Electric
Wiring
Diagrams



ProAce › After Sales implementation



What: For ProAce project TME has decided the adoption of PSA technical documentation and diagnostic tester.

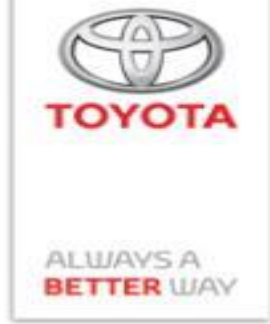
When&How: From 18 June 2016 our Toyota technicians will have the possibility to download and install Diagbox software on their Toyota TD3 PCs.

Important:

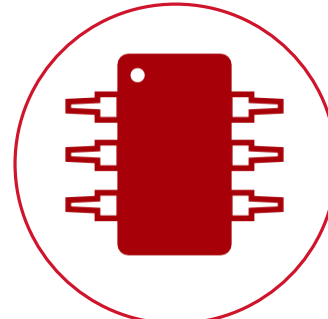
1. Based on the commercial agreement, Toyota has now the possibility to register **3000 Diagbox users** insuring the presence of at least one PC in every dealer capable of diagnostic on ProAce.
2. Out of the 3000 users, at any given moment, PSA allows only 300 users to be activated and to use concurrentely Diagox for diagnostic and configuration.

ProAce > After Sales implementation < Details >

What was adopted from PSA:



RM



EWD

Available on

TD3



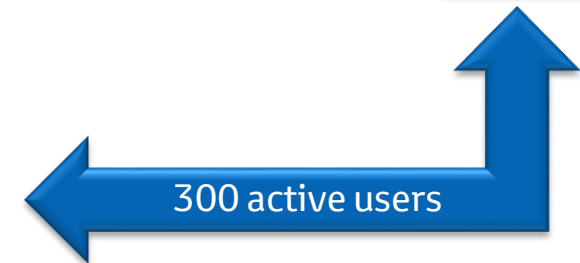
PSA Server



OM



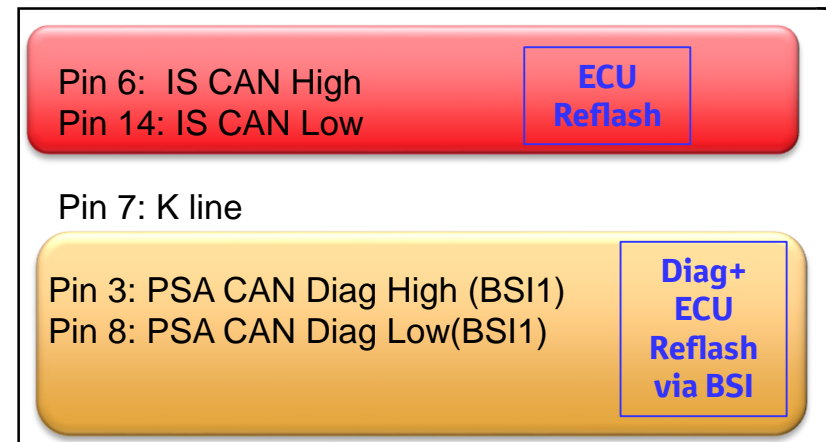
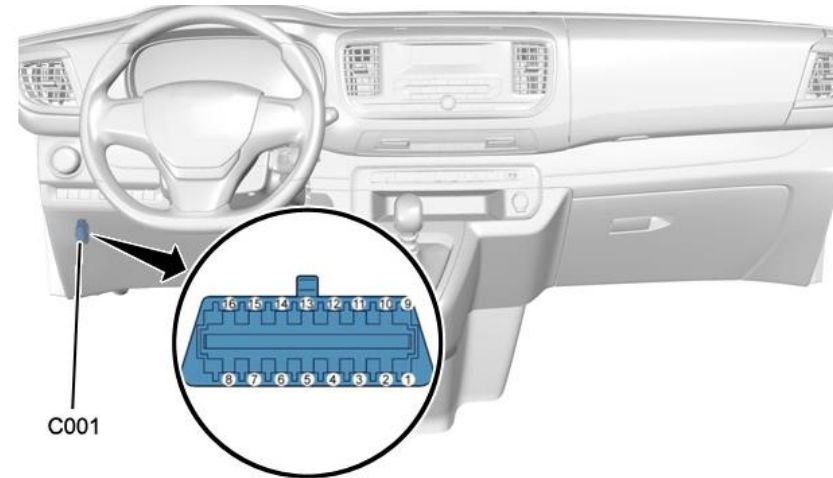
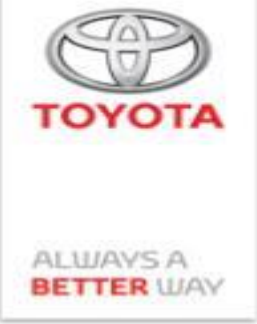
3.000 registred users



Must have equipment

Vehicle Interface Module with 2 CAN channels:

- MongoosePro Toyota 2 Bluetooth (Pro MFC2 BT RC2)
- Or
- Mongoose TS2+



As PSA uses different DLC3 pins, the usage of a dual CAN vehicle interface is **mandatory**

Diagbox implementation-> PC and OS specifications



ALWAYS A
BETTER WAY



OS: Windows 7 on 32bit (PSA official OS)

Windows 7 on 64bits is not officially supported by PSA but TME has requested PSA to insure compatibility.

Current status:

OK for K0

OK for G9 but sometimes VIN is not automatically read. Input manually the VIN and diagnostic is possible.

Windows 10: Not supported within 2016. Later support TBC.

PC specifications

Processor: min frequency of 1.9 GHz, recommended I5

RAM: minimum 4Gb

HDD: minimum 11 Gb free for Diagbox suite

Screen resolution: minimum 1024x768 (VGA), screen rotation disabled

Internet Explorer: 8, 9, 10 or 11

Mandatory:

Internet connection (without Proxy)

Run under PC admin account



How to obtain Diagbox software:

Following 18 June 2016, TME will make available a download link for Diagbox in GTSM (TD3 Software)



TD³
GET CONNECTED

TME GTS Software Management
Role: Toyota Admin

Download
File download

Download Section

File Type: ... Language: English

Main File
15 items found, displaying 11 to 15. [First/Prev] 1, 2 [Next/Last]

	File Name	File Type	File Version	File Description
<input type="radio"/>	GTS INSTALLER	GTS	9.30.002	
<input type="radio"/>	GTS 9.30.029 TEST	GTS	9.30.029	test
<input type="radio"/>	GTS FOR TD3 PC	GTS FOR TD3 PC	10.00.028	
<input type="radio"/>	GTS 10.30.025	GTS FOR TD3 PC	10.30.025	Generic GTS. Reboot required a...
<input type="radio"/>	PSA Diagbox V72.92	PSA	72.92	PSA Diagbox V72.92

Related Files
Nothing found to display.

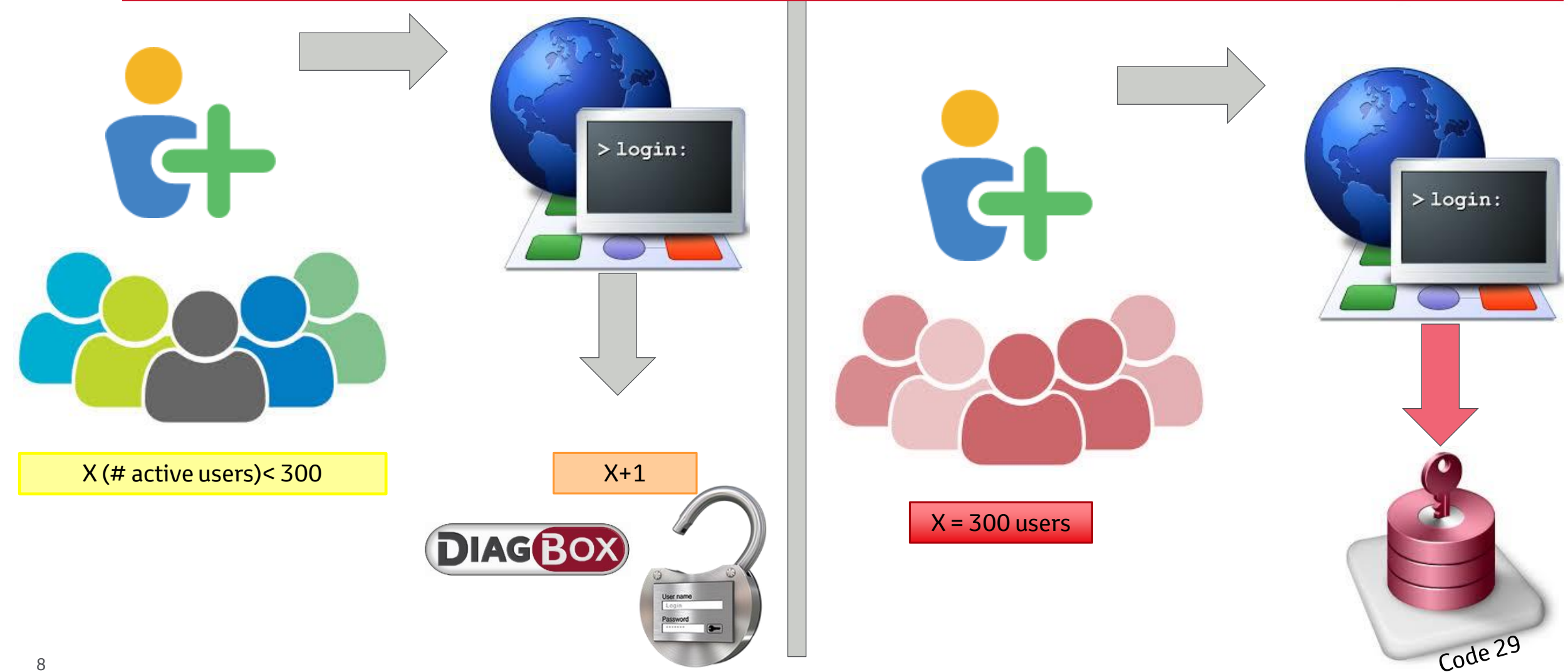


1.3 Gb file size

Activation and de-activation: mandatory steps



For using **Diagbox** users must activate it. But if total number of active user is reached, additional requests are not accepted (code29).
Important: If you do not want to use the Diagbox software within the hour, please de-activate your session!!!



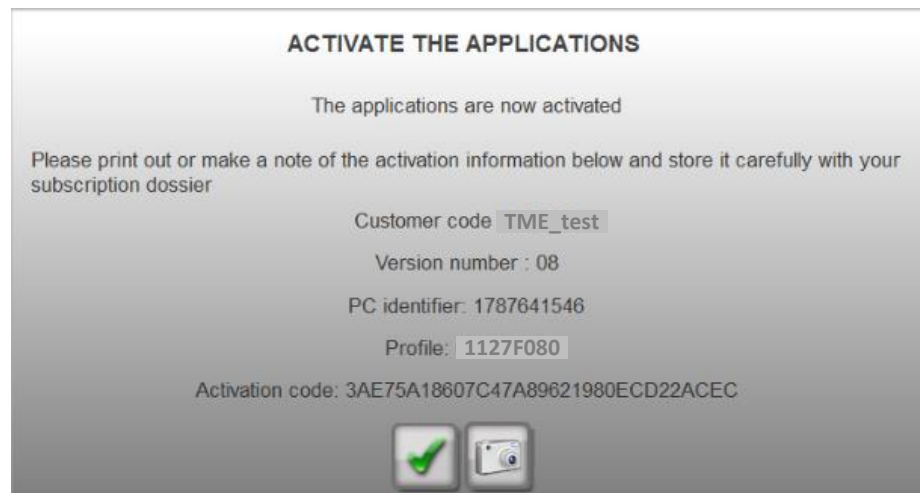
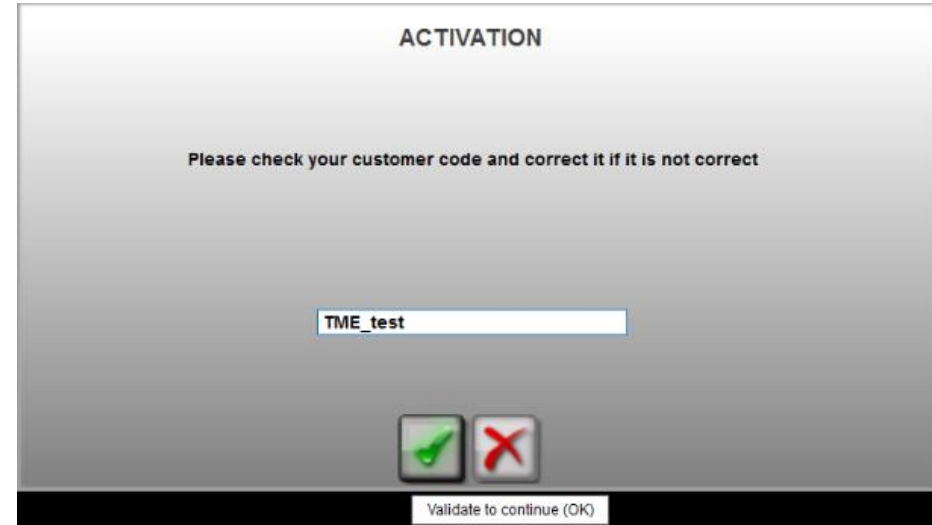
DiagBox activation step by step



Startup screen with disabled DiagBox



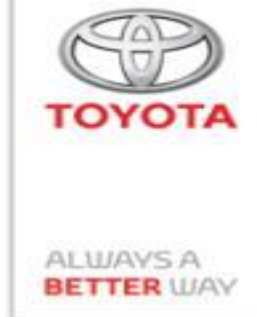
Fulfill your client code



Time to complete :
About 10s

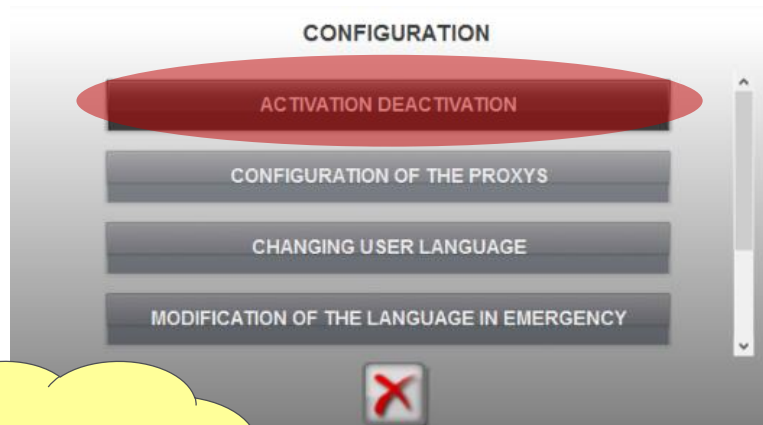
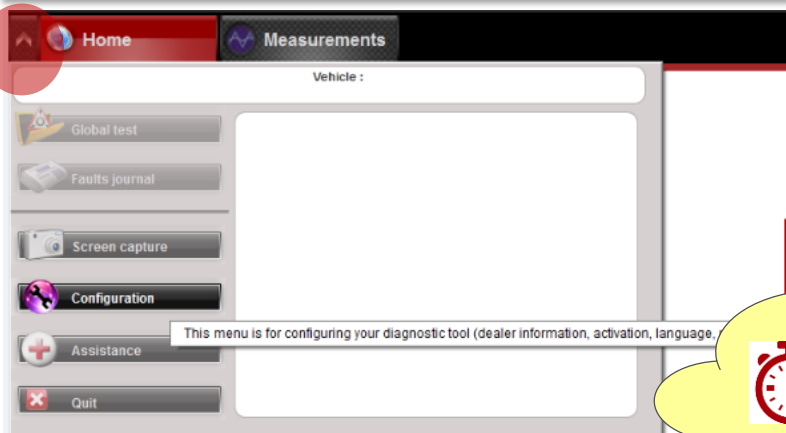
Internet access mandatory

DiagBox activation step by step



Reminder : If you do not want to use the Diagbox software within the hour, please de-activate your session!!!

Configuration menu only available when there is no vehicle selected



 Time to complete :
About 15s
Internet access mandatory



→ License is released on server side and can be used by another user for diagnostic



X-1

Toolbar

Opening Screen

- Communication with Vehicle

The screenshot shows a software interface with a dark red header bar containing navigation tabs: Home, Documentation, Measurements, and Reports. Below the header, a status bar displays system information: 'Ne pas installer windows 10', a power icon, the VIN 'VF898F45875298122', a refresh icon, a user icon, a Wi-Fi icon, a lock icon, and the version 'v06.17.07'. The main area features a search bar with a car icon and a question mark, and a text input field labeled 'Entry of the VIN no.' with a green checkmark button. Below this, a dropdown menu is set to 'PROACE'. Two images of Toyota ProAce vans are shown: a brown 'New PROACE' and a dark grey 'PROACE'. A vertical scrollbar is on the right. At the bottom, a red footer bar contains a back arrow, a list of instructions, a menu icon, and a filter icon.

1) Automatic detection of the vehicle
2) Automatic detection of the vehicle by entering the VIN
3) Manual selection of the vehicle

Tree_startPortal.s : 104_00

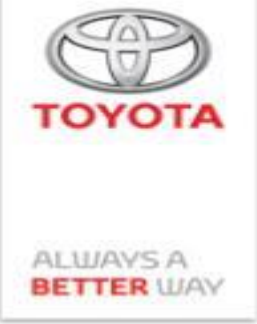


Warning

Due to time limitations for 18 June start the Diagbox version made available could not be customised for Toyota. Therefore, technicians will encounter PSA specific naming and links.

For diagnostic on current generation Proace technicians will select **Expert 3**
For diagnostic on next generation ProAce technicians will select **K0** or **Traveller**.

Current view of start page:



Do not install Windows 10 v72.92

Home Documentation Measurements Reports

Entry of the VIN no.

PEUGEOT

EXPERT EXPERT 3 EXPERT (K0)

1) Automatic detection of the vehicle
2) Automatic detection of the vehicle by entering the VIN
3) Manual selection of the vehicle

Tree_startPortal.s : 104_00

The guided mode of Diagbox will be unavailable on Thursday, June 2nd, 2016 between 12 am and 1.30 pm (GMT+2) v72.92

Home Documentation Measurements Reports

Entry of the VIN no.

PEUGEOT

EXPERT TRAVELLER

1) Automatic detection of the vehicle
2) Automatic detection of the vehicle by entering the VIN
3) Manual selection of the vehicle

Tree_startPortal.s : 104_00

Toolbar

Home Page

The screenshot shows the home page of the Toyota Diagbox software. The interface includes a top navigation bar with a home icon and a 'Measurements' tab. Below this is a toolbar with several icons: a Toyota logo, a grid icon, a hamburger menu icon, a red warning banner, a power button, a user profile icon, a refresh button, a Wi-Fi icon, a lock icon, and a version number 'v06.17.07'. The main content area features the Toyota logo and the text 'BRAND SELECTION'. A yellow callout box provides important instructions regarding authentication and internet connectivity.

Drop-down Menu

Information Banner

Stop Diagnosis

Authentication

Connected to Internet

Refresh

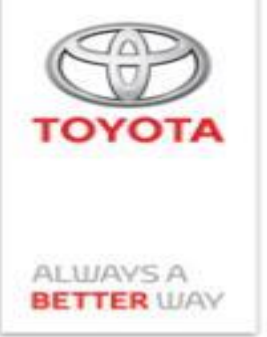
Communication with Vehicle

Important:
Making sure that you are authenticated (and connected to internet) should be the first action that you perform after opening Diagbox software. This will insure direct communication with the PSA server that will later need for diagnostic, configuration and ECU refiash. For doing this, please click on the User pictogramme. Detailed procedure in next slide!

Brand selection

Tree_startPortal.s : 13:00

Confirmation of Internet connection and user registration



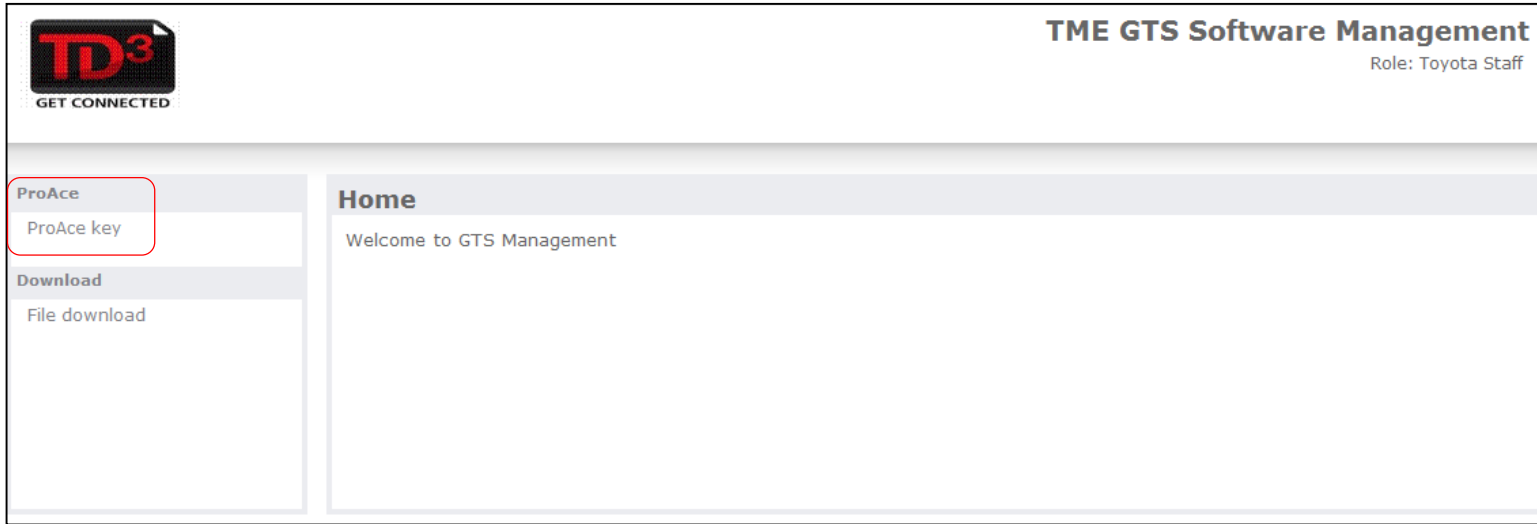
The screenshot shows a web-based diagnostic interface. At the top, there are navigation tabs for 'Home' and 'Measurements'. A status bar displays a warning: 'Diagbox 7.XX sera inutilisable après le 06/10/2015. Installation DVD 8 obligatoire'. The system information bar shows the ID 'VF898F45875298122', a refresh icon, a user icon, a Wi-Fi icon, a lock icon, and the version 'v06.17.07'. The main content area is titled 'BRAND SELECTION' and features the Toyota logo. A yellow callout box with a hand icon pointing to the user icon in the system bar contains the following text:

Important:
Making sure that you are authenticated (and connected to internet) should be the first action that you perform after opening Diagbox software.
This will insure direct communication with the PSA server that will later need for diagnostic, configuration and ECU refiash.
For doing this, please click on the User pictograme.

Procedure on how to obtain your access code in the next slide-->

Two green callout boxes at the top right point to the user icon and the Wi-Fi icon, labeled 'Authentication' and 'Connected to Internet' respectively. At the bottom of the interface, there is a 'Brand selection' input field and a footer that reads 'Tree_startPortal.s : 13 00'.

How to obtain you personal access code:

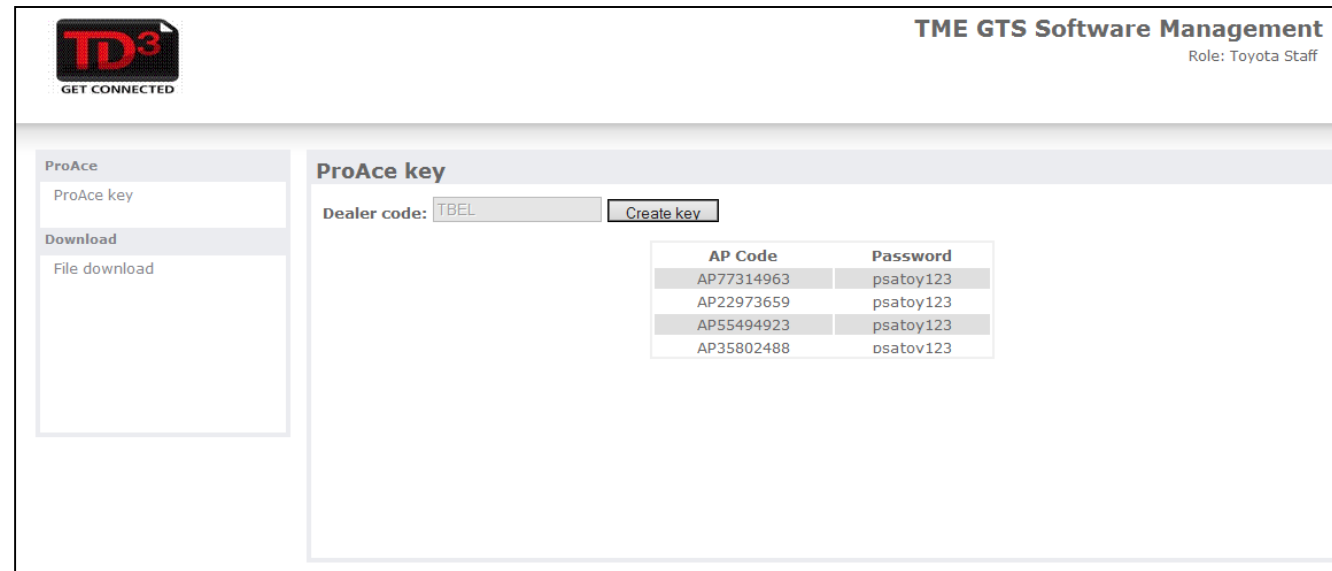


For obtaining you AP code you go on:

TD3-> GTS Software-> ProAce Key

Dealer must fill in his **Dealer Code** (last digits of his TD3 account) and click **Create Key**

The AP code and PW generated will be used for registering in the Diagbox menu




Confirmation of Internet connection and user registration







ALWAYS A
BETTER WAY

AUTHENTICATION

Make : PEUGEOT







  




Important:
Click on the user pictogram and fill in the AP code received from TD3 starting with **Apxxxxxxxx**
For password, fill in the received one.
If credentials are accepted both leds are now **green**.

AUTHENTICATION

Make : PEUGEOT

 AP99023444





PEUGEOT   Do not install Windows 10       v72.92 

Home Documentation Measurements Reports



Entry of the VIN no. 

Confirmation of connection to server



Do not install Windows 10

Home Documentation Measurements Reports

Diagnostic tool connected, click to access the availability test (F12)

AVAILABILITY TEST

Entry of the VIN no.

Internet access

Access to updates

Ediag access

Serav access

Important:
If even in doubts about the connection to the PSA server (failed automatic config, impossible to retrieve ECU software), you can test the connection by pressing on the **Internet pictogramme** or press **F12**

1) Automatic detection of the vehicle
2) Automatic detection of the vehicle by entering the VIN
3) Manual selection of the vehicle

Tree_startPortal.s : 104_00

EN 10:50 AM 6/7/2016

Toolbar

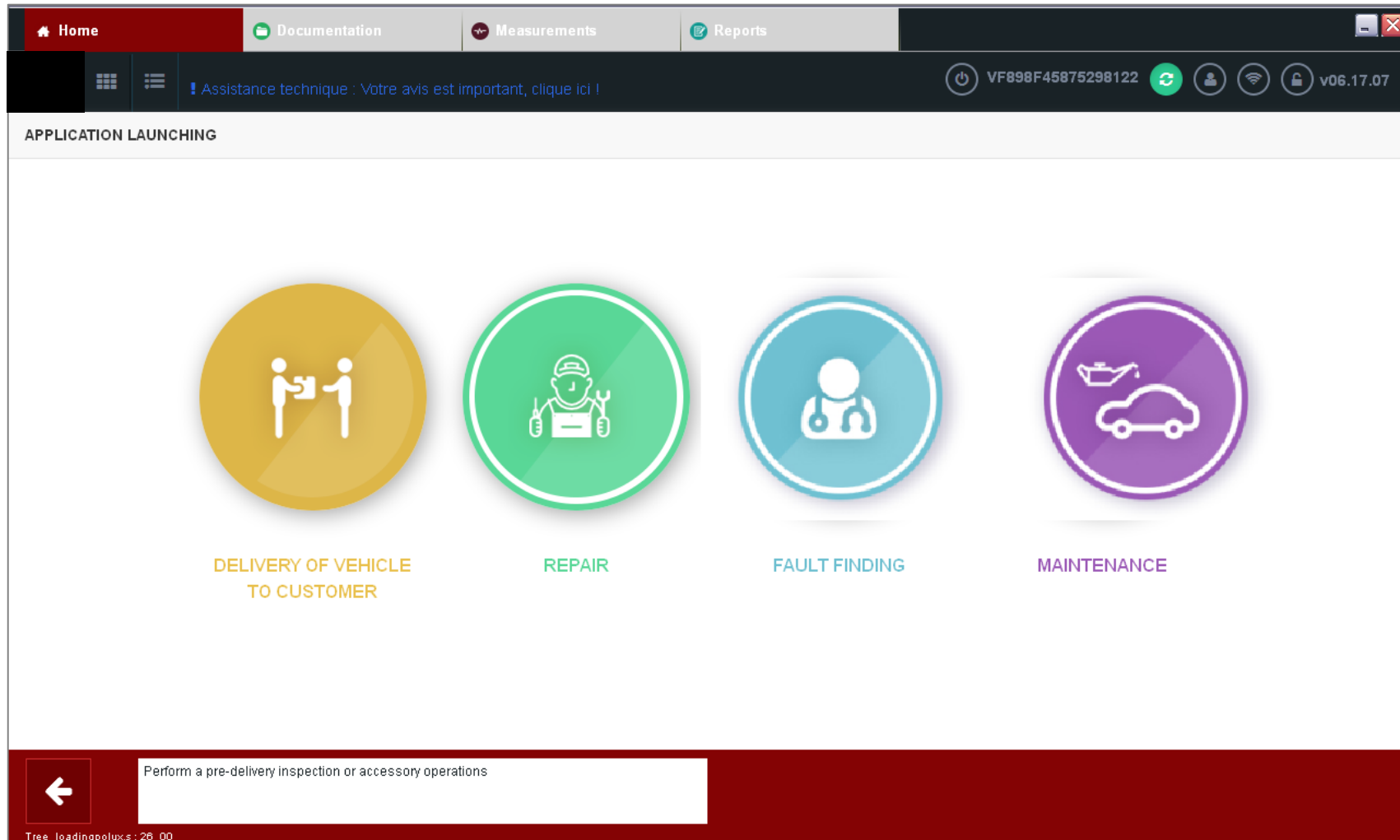
Drop-down Menu

The screenshot displays a diagnostic software interface. At the top, there is a navigation bar with 'Home' and 'Measurements' tabs. Below this is a dark header bar containing a Toyota logo, a warning message: 'Diagbox 7.XX sera inutilisable après le 06/10/2015. Installation DVD 8 obligatoire', and system information including the VIN 'VF898F45875298122', a power icon, a refresh icon, a user icon, a Wi-Fi icon, a lock icon, and the version 'v06.17.07'. The main content area shows a sidebar menu on the left with the following items: 'Véhicule : Partner B9', 'VIN :VF898F45875298122', 'Test global', 'Journal des défauts', 'Capture d'écran', 'Configuration', 'Assistances' (highlighted in red), 'Quitter', and 'Historique'. The 'Assistances' menu is expanded, showing a list of test items: 'test global', 'test global', 'Suréquipement', 'Boitier pour connexion USB', 'Préparation du véhicule neufs', 'Préparation du véhicule neufs', and 'Préparation du véhicule neufs'. A yellow box highlights the 'test global' items, and a callout box with the text 'Return to previous tests' points to the top of this list. At the bottom of the interface, there is a 'Brand selection' field and a footer with the text 'Tree_startPortal.s : 13 00'.

Toolbar

Opening Screen

- Selection of Application



Toolbar

DELIVERY OF VEHICLE TO CUSTOMER

- **"NEW VEHICLE PRE-DELIVERY INSPECTION":**

- Guides the user in following the procedure to be carried out with the diagnostic tool

Note: The PDI method accessible in the technical documentation is necessary in order to complete a quality PDI

- **"ADDITIONAL EQUIPMENT":**

- Used to configure the ECUs (configuring) required after addition of an additional equipment. (Example: Change in tyres, trailer ECU, USB box, CD changer....)

Note: The operation also enables automatic updating of the manufacturer database by indicating if a new item of equipment has been added (or removed), for in case, later, an automatic configuration over the Internet is carried out.

- **"BATTERY CHARGE STATUS MEASUREMENT":**

- Enables the user to test the battery with the recommended "Midtronics" tool or with a simple Multi-meter (procedure is longer)

- **"SUSPENSION FLUID LEVEL TEST":**

- Guides the user in the procedure to be carried out while complying with the safety precautions

Toolbar

REPAIR

- Used to perform:
 - **Learning procedures** after parts replacement
(After replacement of e.g. BSI, ECU, Injector, Electric EGR Valve, MAF, Key)
 - **Calibrations**
 - **Troubleshooting**
 - Display or modify a vehicle **configuration**
(Automatic* [= Over the Internet] or Manual):
 - Initialise an actuator
 - Validate fitting of an additional equipment to the vehicle
 - Validate fitting of an ECU to the vehicle (Automatic for BSI, ECM and TCM)
 - Configure equipment for the customer

Note: Certain parameters are **not configured in automatic mode**.
Example: Customer **personalised parameters** such as day time running lights ...
 - Carry out certain **specific maintenance operations**
 - **Prepare a new vehicle**
- When you start the "REPAIR" menu:
 - Tool starts a **global test**
 - The tool **lists all of the ECUs** possible on the vehicle

*Available on certain ECUs only

Toolbar

REPAIR

- Used to perform:
 - Download of ECU Software

- Used when:
 - When an **ECU is changed**
 - Within the framework of the strict application of a **campaign** or information from the manufacturer

- Precautions:
 - The **Internet connection** must be valid
 - Tool is **up to date**
 - The tool must be **connected to the mains**
 - The **vehicle battery must be charged**, but no charger connected
 - The download **may not be interrupted**

- Downloading function is not available for all ECUs

Toolbar

FAULT FINDING

- A fault code means detection of an anomaly by the ECU **self-diagnostic system**
- **Show Diagnostic Trouble Codes (DTC)** present and their associated contexts
- **Clear DTC**
- Diagnosis Steps:
 - **Pre-diagnostic:**
 - This step enables you to be sure of the type of problem and provides you with a reminder of the basics to be tested before going into a more in-depth diagnostic
 - **Straight to the point:**
 - The tool enables you to rapidly access a solution if the problem is already known and applicable to your vehicle
 - **Fault code methods:**
 - The tool enables running of tests in order to diagnose the malfunction shown up by one of more fault codes present on the vehicle
 - **Methods by symptom:**
 - The tool enables running of tests in order to diagnose the customer effect relating to the method



Toolbar

FAULT FINDING - Expert Tab

- Global Test

Documentation Measurements Reports Home Expert

! Ne pas installer Windows 10

VF34C9HR89S193778 v72.93

GLOBAL TEST

FAMILY NO.		CONTROL UNIT
3	Built-in Systems Interface	BSI
F5FF Unexpected re-initialisation fault coming from the BSI.		
Properties		
Cause	Local	
Characterisation of the fault	Not characterised	
F303	Fault: configuration	
C992	Engine relay unit : front right direction indicator fault	
7	Engine management ECU	HDI_SID807
1	Anti-lock Braking System (ABS) or Electronic Stability Program (ESP)	ESP81
7	Automatic gearbox or controlled manual gearbox	CFC300P

100%

Vehicle\menu_tgraf.s : 81_02

Toolbar

FAULT FINDING - Expert Tab

- Parameter Measurement

The screenshot displays a diagnostic software interface with a dark top navigation bar. The 'Expert' tab is selected, and the main content area shows a list of diagnostic functions: IDENTIFICATION, FAULT READING, STANDARD PARAMETER MEASUREMENT, PERSONALISED PARAMETER MEASUREMENTS, ACTUATORS TEST, and MAINTENANCE - bSI OPERATING MODE. A side menu is open, listing: Identification, Fault reading, Standard parameter measurement, Personalised parameter measurements, Actuators test, Maintenance - bSI operating mode, Electrical consumption log, and Repair. A yellow callout box labeled 'Side Menu' points to the menu. The bottom of the screen features a back arrow and a search bar.

Documentation Measurements Reports Home Expert

! Ne pas installer Windows 10

VF34C9HR89S193778

BSI

Identification

FAULT FINDING - Expert Tab

IDENTIFICATION

FAULT READING

STANDARD PARAMETER MEASUREMENT

PERSONALISED PARAMETER MEASUREMENTS

ACTUATORS TEST

Side Menu

Identification

Fault reading

Standard parameter measurement

Personalised parameter measurements

Actuators test

Maintenance - bSI operating mode

Electrical consumption log

Repair

Vehicle: t7bmfbsi\MENU_T7_BMF_BSI.s - 312

Toolbar

FAULT FINDING - Expert Tab

- Side Menu

The screenshot displays the 'Expert' tab of a diagnostic software interface. The top navigation bar includes 'Documentation', 'Measurements', 'Reports', 'Home', and 'Expert'. The side menu on the left lists various diagnostic functions. The main area shows a table of vehicle data. A yellow callout box labeled 'Side Menu' points to the left sidebar, and another yellow callout box labeled 'Communication with Vehicle' points to the top right status bar.

Value
JCAE
96 640 587 80
96 640 591 80
???
???
???
???
???
???
VF34C9HR89S193778

Toolbar

FAULT FINDING - Expert Tab

- Diagnosis Tab

Home Diagnosis Documentation Measurements Reports

Ne pas installer windows 10 VF898F45875298

Check for the presence of an additional power unit

Pre-diagnosis
selection of a customer symptom Technical Service Bulletin (TSB) Fault code procedure Symptom procedure

Vehicle context Ignition off.

Check for the presence of an additional power unit

The unit is usually close to the following components

- Engine management ECU (1320)
- coolant outlet housing
- Turbocharger overpressure sensor 1311

Is the vehicle fitted with an additional energy unit?

60086853

Diagnosis tab is automatically launched at the end of the Global ECU test.

For K0: Diagnosis tab (guided diagnostic charts) contains only few items. Full delivery **Sept- Oct 16.**

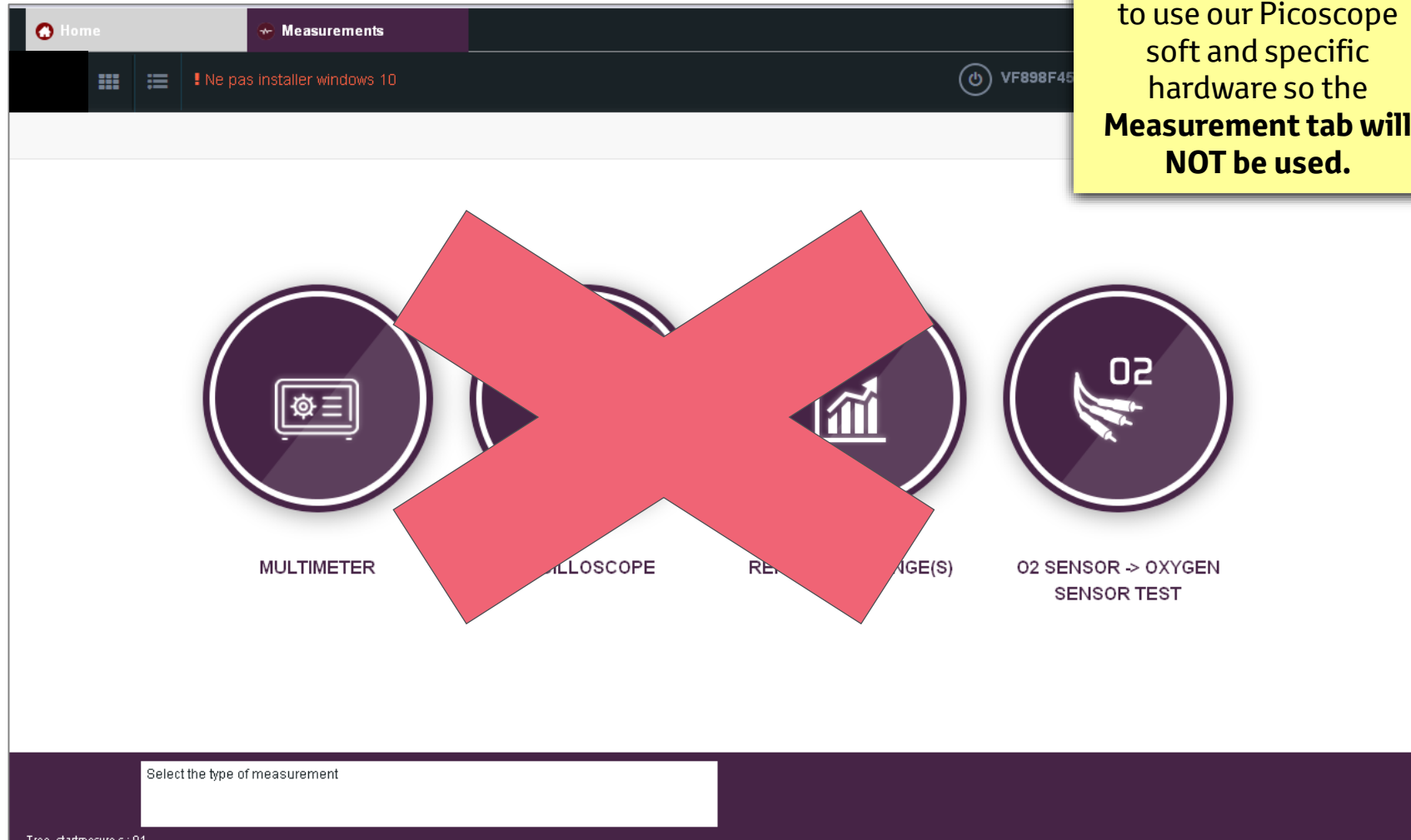
For G9: access is possible.

Toolbar

FAULT FINDING - Expert Tab

- Measurements Tab

Measuring Tab needs the PSA specific acquisition board. For ProAce project TME has decided to continue to use our Picoscope soft and specific hardware so the **Measurement tab will NOT be used.**



Toolbar

FAULT FINDING - Expert Tab

- Documentation Tab

The screenshot displays the 'Documentation' tab in a software interface. The top navigation bar includes 'Home', 'Diagnosis', 'Documentation' (highlighted), 'Measurements', and 'Reports'. Below the navigation bar, there is a dark header with a VIN number 'VF898F45875298' and a notification 'Diabox version 8.15 disponible'. The main content area is divided into two columns. The left column is titled 'Documentation applied to the vehicle during a session (VIN: VF38D5FVACL085489)' and contains four green buttons: 'Job folder', 'Wiring diagram', 'ServiceBox', and 'Diagnostic documentation'. The right column is titled 'General documentation' and contains one green button: 'Diagnostic documentation'. Below these columns is a green bar labeled 'History of documentation viewed'. At the bottom, there is a green bar with a white rectangular area.

Documentation tab is at this moment making reference towards PSA publications and information portal (Service Box).

TME has requested PSA to study how this tab can be customised with links towards TME TD3 and TD1 portals.

Investigation on going!



Toolbar

FAULT FINDING - Expert Tab

- Documentation Tab

The screenshot shows the 'Reports' tab in a diagnostic software interface. The top navigation bar includes 'Home', 'Connecting...', 'Documentation', 'Measurements', and 'Reports'. Below the navigation bar, there is a status bar with a warning icon and the text 'Ne pas installer windows 10' and a power icon with the VIN 'VF898F458'. The main content area is titled 'SELECTION OF REPORTS' and displays a table of diagnostic sessions. The table has columns for 'Vehicle', 'VIN', and 'Date'. There are five rows of data, each with a checkbox in the first column. At the bottom of the interface, there is a green toolbar with a search icon, a trash icon, and a checkmark icon.

<input type="checkbox"/>	Vehicle	VIN	Date
<input type="checkbox"/>	508	VF38D5FVACL085489	22/04/2016 13:44
<input type="checkbox"/>	508	VF38D5FDACL085489	22/04/2016 13:37
<input type="checkbox"/>	508	VF38D5FDACL085489	22/04/2016 13:31
<input type="checkbox"/>	508	VF38D5FVACL085489	20/04/2016 13:50
<input type="checkbox"/>	408 (T93)	LDC973Y24E2194050	20/04/2016 13:34

Reports tab is a very good tool for technical assistance but also for technician to track back his actions.

Diagbox is recording for each diagnostic session (1 session = 1 VIN) all the steps followed by technician, all the parameters read, DTCs encountered, **CAN traces**, configurations performed, etc.

More details about the features of this tab is a next presentation.

Tool Management- Key Message!

Functioning Modes

TD3-Access to documentation

Access to the DiagBox diagnostic trees

Access to tool updates

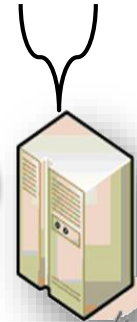
Access to configuring and download data

Key message: user always needs to be connected internet and authenticated. The 2 leds always need to be green!

- Vehicle identification
- Troubleshooting in Expert mode
- Global test
- Manual configuration
- Customer delivery
- Repair
- Maintenance

- Troubleshooting in guided mode
- DiagBox updating
- ECU downloads
- Automatic configuration
- Additional equipment
- Technical documentation
- Wiring diagrams
- Emaildiag
- Remote assistance

Diagnostic tab connected (connected mode)



Tool Management

Updating DiagBox

- A new update is necessary in the following cases:
 - **New Vehicle**
 - **New ECU**
 - **New DiagBox feature**
 - **Correction of anomaly**
- Before updating the DiagBox:
 - Make sure that you are **online**
- To perform updating:
 - Click on the **“Refresh”** icon



Key facts:

-A remote update is used to update the DiagBox software. (no need to re-install a newer version like in the case of GTS)

There are 2 distinct phases:

-**download of the update file:** technician can continue his work with Diagbox without any interferences from the update process.

- **Installation of the downloaded update file:** installation will only be carried out the next time the tool is started up.

- If several updates are available, select the most recent, the tool will automatically download all the necessary updates.

-There is an average of one update per month.

- If long time has passed, it is possible that after the first update, a second update file will be detected (tool can jump a limited numbers of versions towards the newest one (3, TBC with PSA))



Economy, Showroom or Customer Mode

- **Energy Economy Mode:**

- The Economy Mode is activated/de-activated based on:

- **Remaining time**
- **SOC** (Battery charge status level) [voltage, temperature, current]
- **Predicted required voltage** for the next start-up

- **Remaining time:**

- It is **reduced by 1 minute** for each minute lapsed when the following conditions are fulfilled:
 - **BSI is awake**
 - **Low speed CAN network is awake**
 - **Power plant is "cut off stalled"**
- It returns to its **30 minutes maximum value** after each 5 minutes of «Engine running»



Tool Management

Instructions & Precautions

In case of a ECU reflash:

- Before reflashing to an ECU, note the software version .
- Print out or make a note of the configuring screen
- Avoid cutting the transmission (both between the tool and Internet, and between the tool and the vehicle).
- Connect the tool to the mains power supply.
- Check that the vehicle battery charge is sufficient.
- After the download, check the configuring screens.

If carrying out an actuator test or learning procedure:

- Avoid an interruption in communication.
- Check that the vehicle battery charge is sufficient.



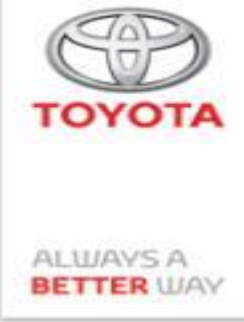
When using the tool, you must follow the instructions given by the tool, and in particular: **“Turn the Ignition OFF and turn it ON again”**



FAULT FINDING - Expert Tab

- **Economy Mode:**

- The Energy Economy Mode is used to ensure:
 - **Battery life**
 - **Sufficient electrical power** for the next start-up
- Economy levels:
 - “**Standard**” economy mode to prolong battery life
 - “**Harsh**” economy mode to ensure the next vehicle starting operation



Toolbar

FAULT FINDING - Expert Tab



- Utility Functions

- **Economy Mode:**

- Shuts off several ECU's in order to reduce black current from the battery
 - If activated, the **red battery Warning Light** will blink



- De-activation of Economy Mode:

- In the **BSI Menu**, go to **BSI OPERATING MODE > EXIT ECONOMY MODE**

- De-activation time of Economy Mode:

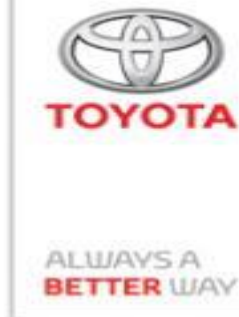
- **Max. 60 min.**

- **Showroom Mode:**

- **De-activates** the **horn** and **wipers** and **Ignition** will remain **ON all the time**

- **Customer Mode:**

Economy, Showroom or Customer Mode

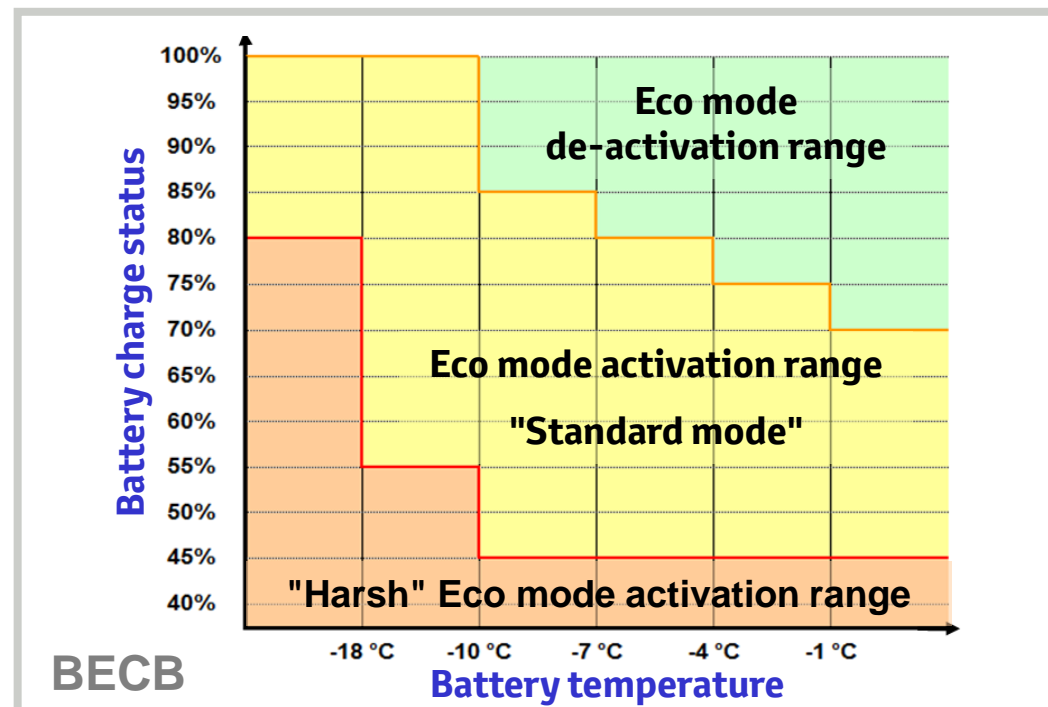


- **Standard Economy Mode** (power-saving mode):
 - Activation Conditions (ONE / OR):
 - **BSI** (“Boîtier de Servitude Intelligent”):
 - Time credit (remaining time)
[Economy Mode harsh activation conditions not met]
 - **BECB** (Battery Charge Indicator):
 - Battery temperature
 - Battery charge status

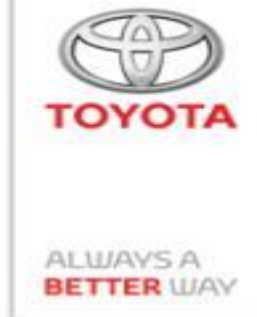
Note:
When the BSI is in “Transport Storage” or “Showroom Mode”, the energy economy mode is at the “standard” level



OR



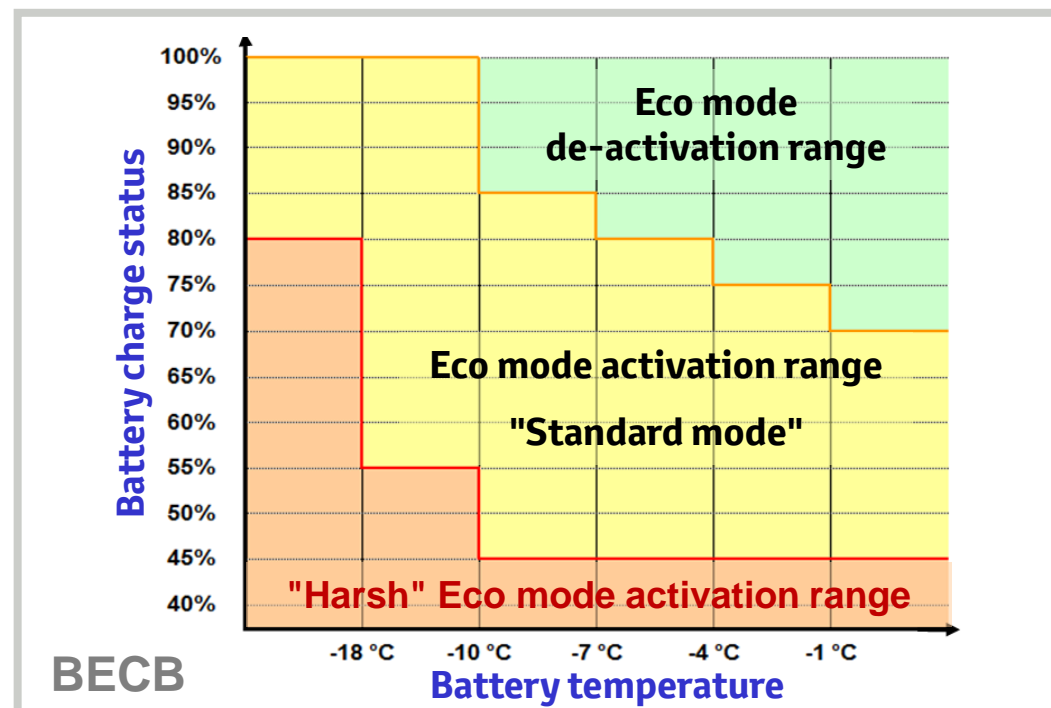
Economy, Showroom or Customer Mode



- **Harsh Economy Mode** (power-saving mode):
 - Activation Conditions (ONE / **OR**):
 - **BSI** (“Boîtier de Servitude Intelligent”):
 - Vehicle stopped time
 - **BECB** (Battery Charge Indicator):
 - Battery temperature
 - Battery charge status
 - Variation in the battery charge status
 - Predicted voltage for the next engine start



OR



Economy, Showroom or Customer Mode

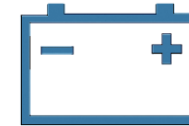
- **Power Economy Mode:**

- Warnings:

- Warning message displayed on the following screens:

- **Multifunction Screen** (simple radio)
- **Navigation Screen**
- **Combination Meter** (on the transverse matrix)

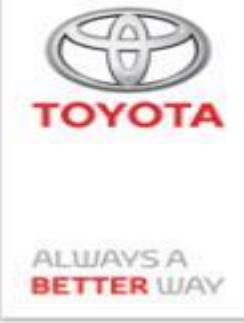
- Indicator Light: In addition to the warning messages, the “**Battery**” light comes on in the Combination Meter



- **Power Saving Mode** is a contextual **data** item, stored **in the JDD*** (fault log) when a fault occurs



Economy, Showroom or Customer Mode



- **Power Economy Mode:**

- Warnings:



- **Note:**

- **After disconnecting then reconnecting the Battery:**

- System needs a **minimum of 2 hours** instead of 4 hours on the older generation vehicles in order **to reach its battery charge level**

- **Special Case:**

- **Battery SOC < 50% first 20 km:**

- The **warning light** comes on if the battery charge status (**SOC**) is **under 50%** for the vehicle's **first 20 kilometres**

Toolbar

Repair Tab

- Variant Coding (Configuration)
 - **Need:** To **lower number of ECU's in stock**
 - Every PSA ECU has small pieces of software integrated **for specific options or accessories**
 - No need to reprogram an ECU, you **only need to update** the variant coding when installing the ECU
 - Also used to **activate or de-activate some features**
 - Variant Coding can only be done on the following ECU's:
 - **BSI**
 - **Engine ECU**
 - **ABS/ESP**
 - **Airbag**
 - **Instrument panel**
 - **Radio**
 - **Procedure:** Choose CONFIGURATION > MANUAL CONFIGURATION > CONFIGURATION OF THE INSTRUMENT PANEL and double click on the **maintenance indicator function**



Toolbar

FAULT FINDING - Expert Tab

- Variant Coding (Configuration)

- **Automatic / Manual Configuration:**

- **Automatic or Manual Configuration:**

- For most ECU's it is possible to perform an automatic configuration
 - The PSA network will adjust all configurations automatically according to the VIN of the vehicle

- **Disadvantage of Automatic Configuration:**

- Sometimes the configuration is incorrect or the customer has installed some accessories afterwards
 - * In that case, you will have to perform a manual configuration

- **Advantage of Automatic Configuration:**

- You save a lot of time. No need to check which parts are on the vehicle



Toolbar

FAULT FINDING - Expert Tab

- Variant Coding (Configuration)

- **Automatic / Manual Configuration:**

- Save or print out original configuration

Configuring an ECU can be a headache if you don't understand the parameters

- Before performing an Automatic or Manual Configuration, it is always advised to

- save or print out the original configuration**

- You better do that **before** replacing the part

- * Click "CONFIGURATION"

- * Click "DISPLAY AND PRINTING OF ALL THE PARAMETERS"

- * Print as a pdf and read the document

- Tip:

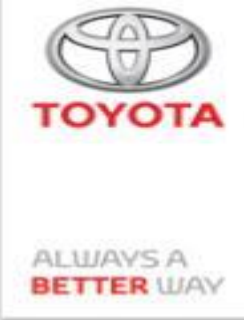
Even if you perform an automatic update, you should always double check if the settings are correct



FAULT FINDING - Expert Tab

- **Economy Mode:**

- Activation of the **energy economy mode** (standard or harsh) results in the **de-activation or performance limitation** of certain functions:
 - With activation of the **standard economy mode**, the following functions are de-activated:
 - **Radio** cut-off
 - Limitation of the number of **motorised boot openings**,
 - **Load-shedding** for several equipment levels
(e.g. **A/C blower** for the passenger compartment pre-warming function)
 - On activation of the **harsh level economy mode** the following functions are de-activated:
 - Inhibit of **antenna +** and **Smart Entry & Start**
 - **Interior temperature** pre-set cut-off
 - **Sidelight** cut-off (lighting function)
 - **Alarm LED** cut-off



Toolbar

MAINTENANCE

- Used to manage:
 - **PF** personalised maintenance
 - Personalised **additive** level maintenance
 - Maintenance schedule and **counter reset**
 - **Oil parameters** reset (specific to commercial vehicle)



Thank You



ALWAYS A
BETTER WAY

