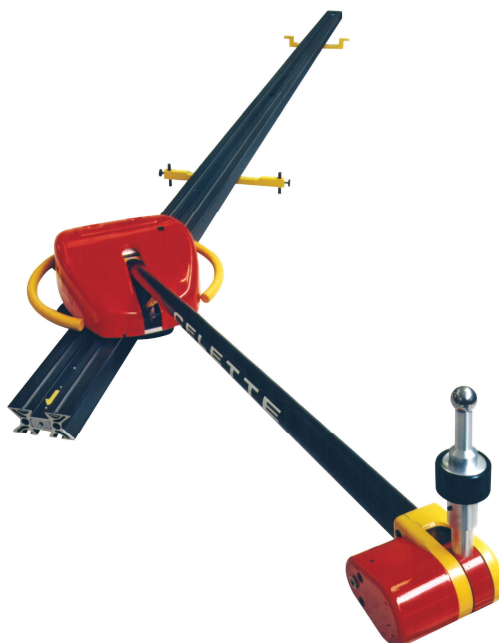
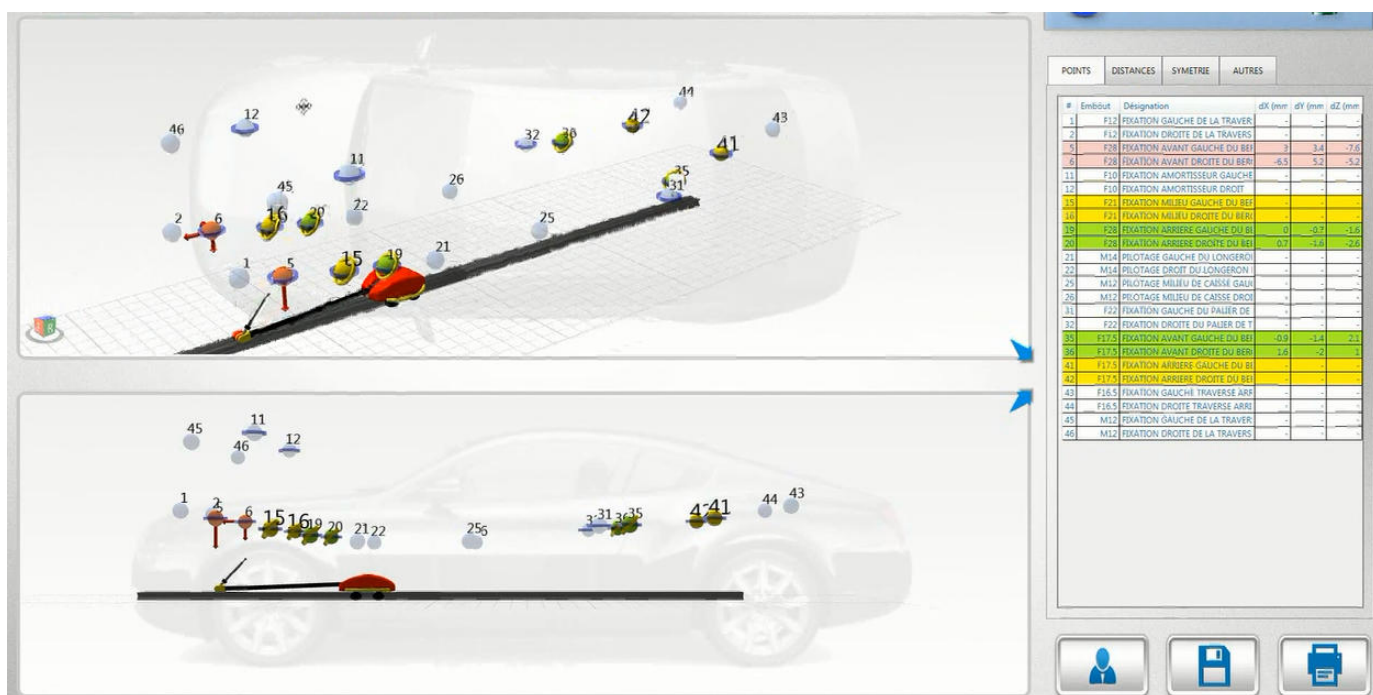




NAJA 3D SOFTWARE





Summary

1- Installation of the software	3
2- Naja data calibration	6
3- Bluetooth connexion windows 7.....	7
4- Bluetooth connexion windows 8.....	9
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10- Measure by symmetry	24
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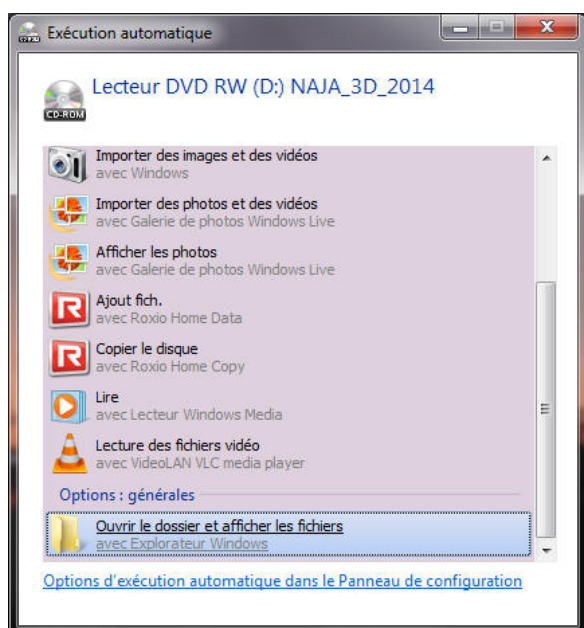


1- Installation of the software

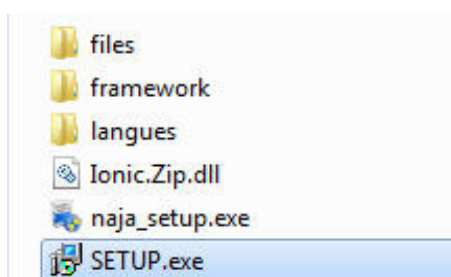
1. Insert CD-rom or USB key



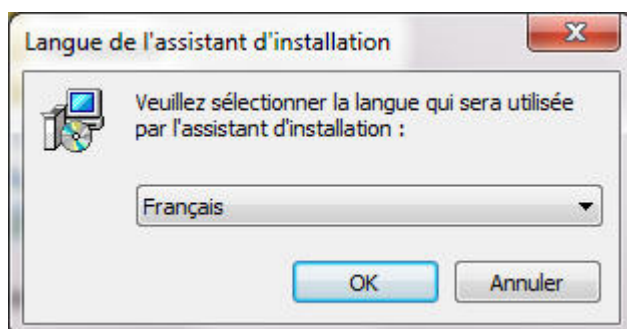
2. Open and show the files



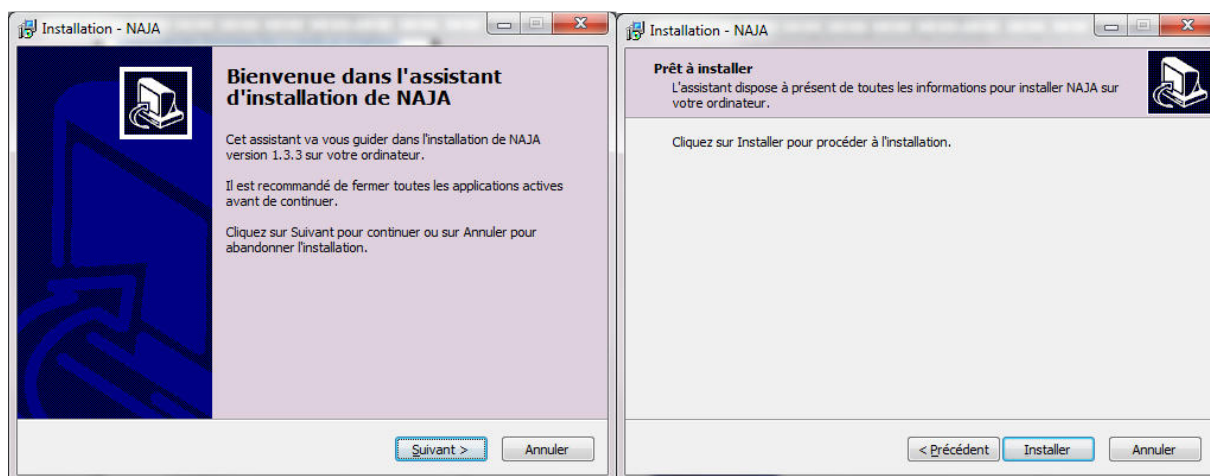
3. Double click on SETUP.EXE



4. Select the language and click on OK



5. Click on Next and Install



6. Click on One Flag

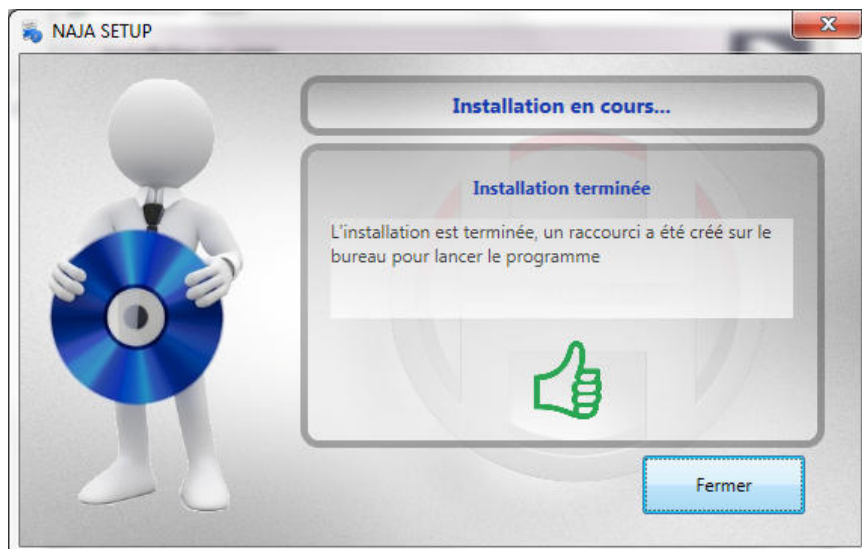


7. Click on next

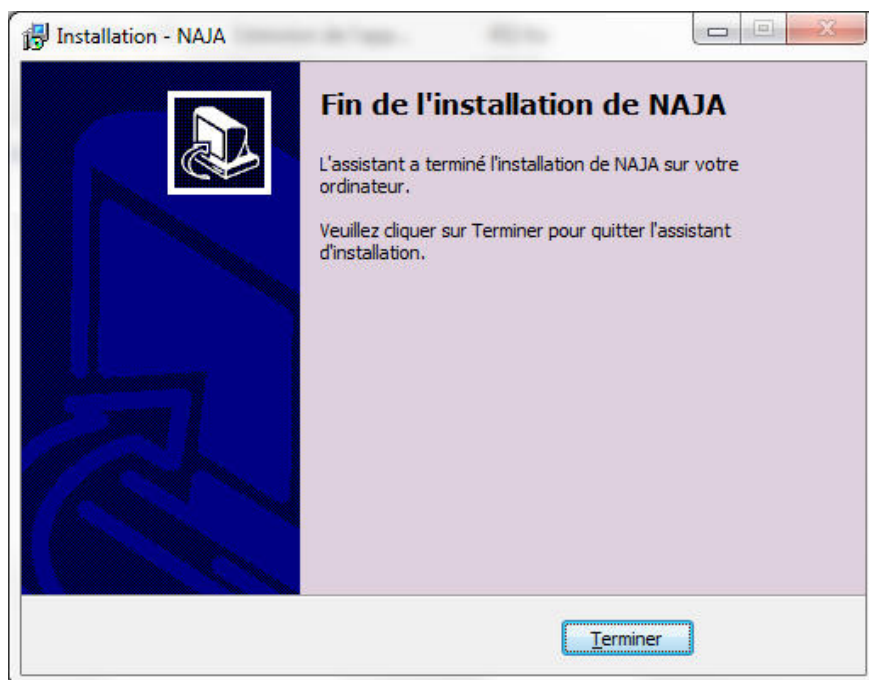


8. Wait the end of installation

9. Click on Close



10. Click on Finish



11. One shortcut was created on your desktop, double click on it to start NAJA software

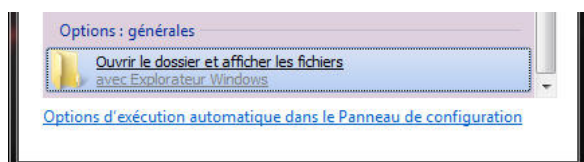


NAJA2014

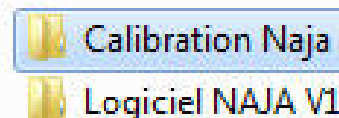
2- NAJA data calibration

1. Insert CD-rom or USB key

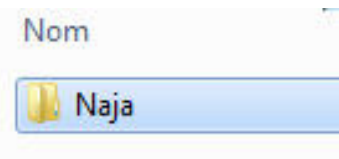
2. Open and show the files



1. Double click on the folder :
Calibration Naja

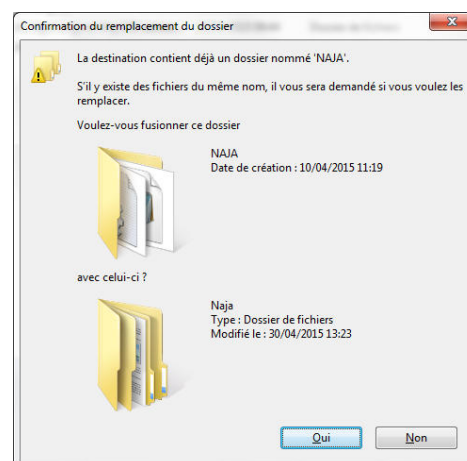


2. Copy the folder NAJA

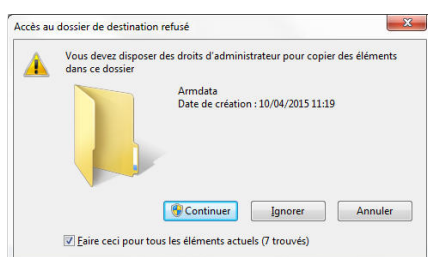


3. Paste it under C:\Program Files\CELETTE

4. One windows appear and ask you if you want to replace existing folder, click on YES.

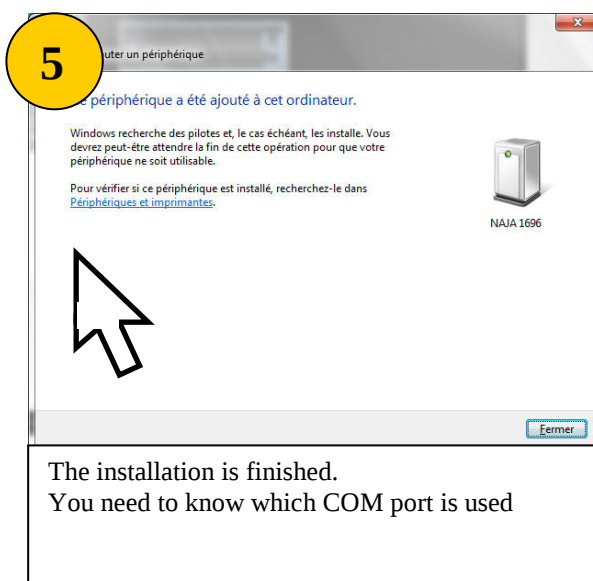
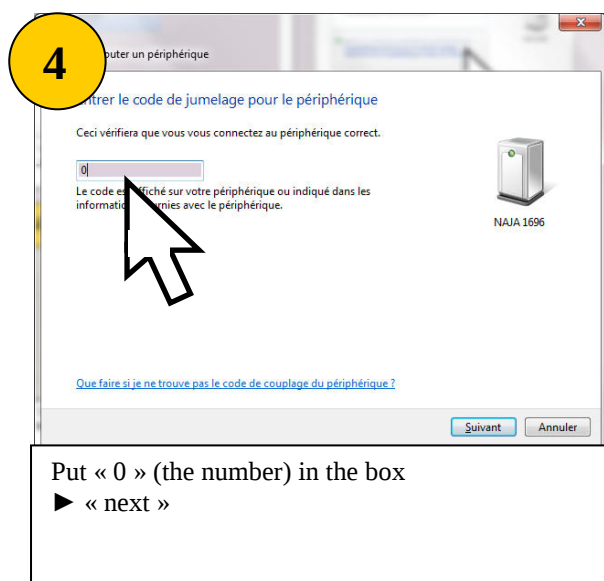
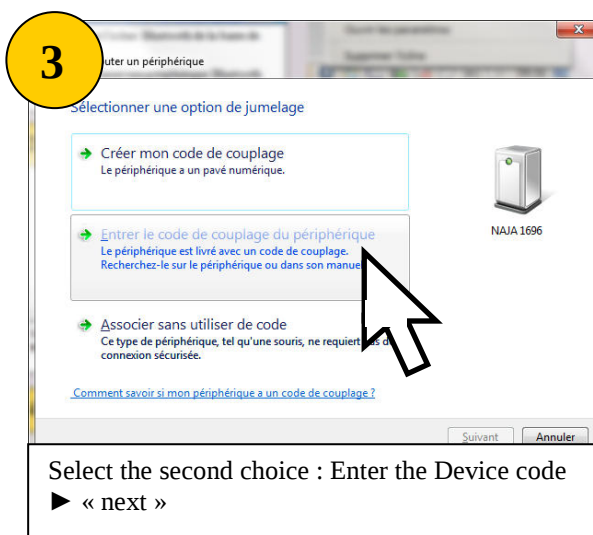
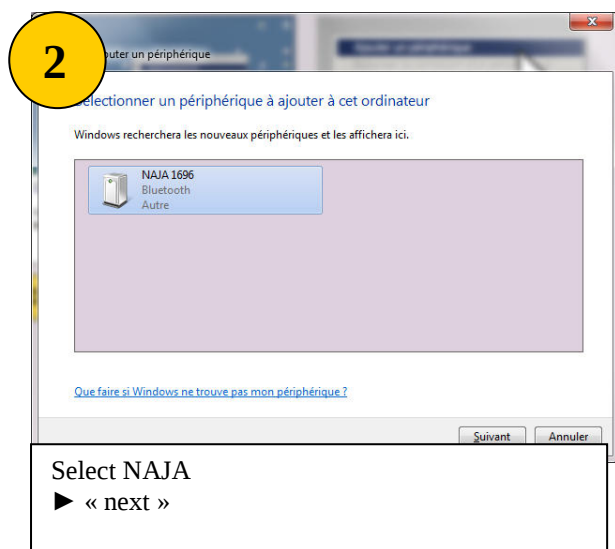
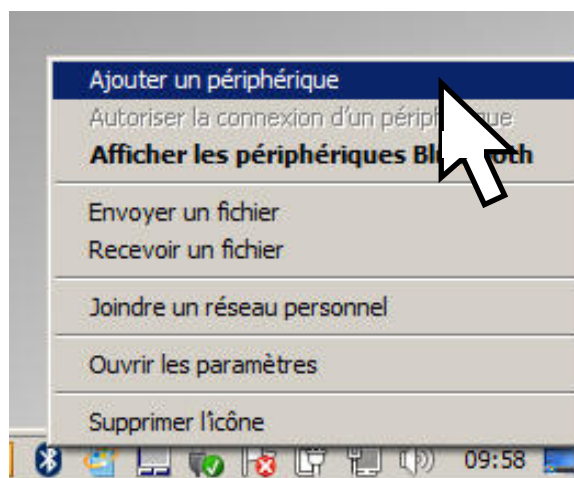
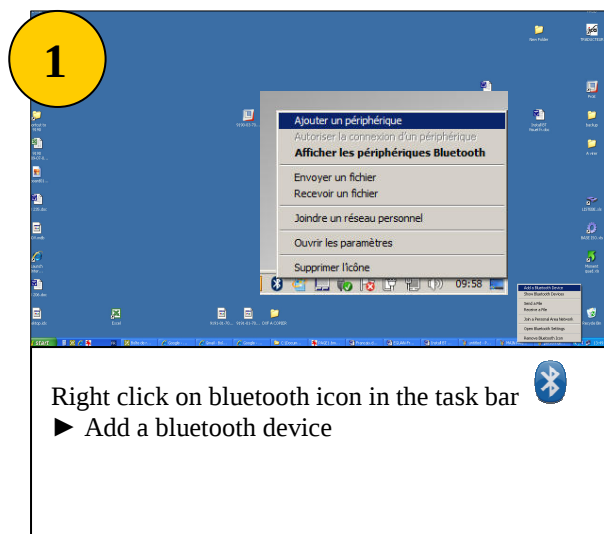


5. If this windows appear click on CONTINUE

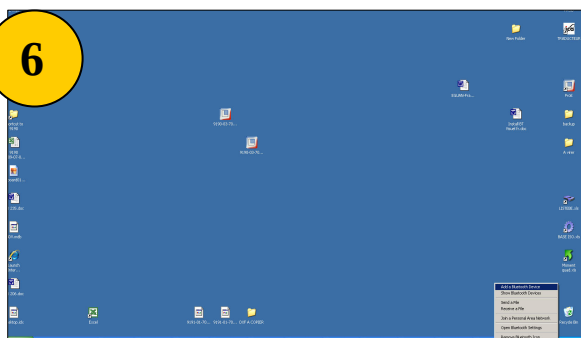


3- Bluetooth connexion windows 7

Please first, switch on the NAJA measuring head



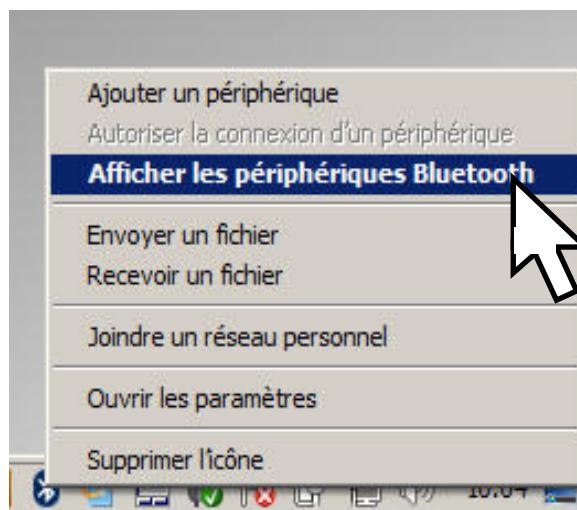
6



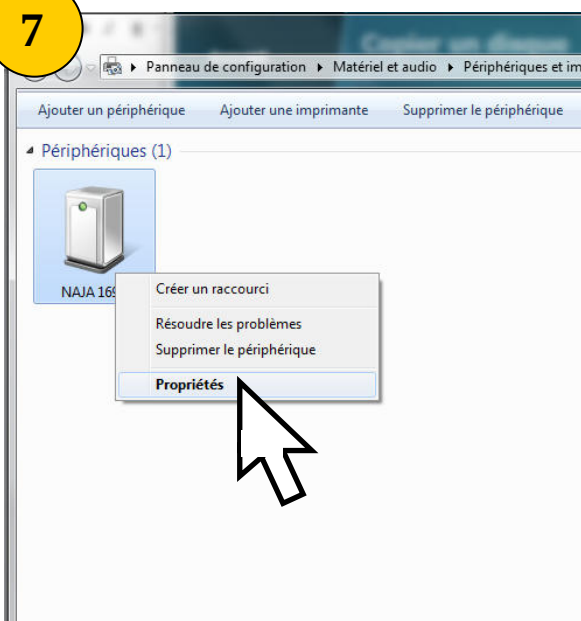
Right click on the Bluetooth Icon in the task bar»



► Display the Bluetooth devices



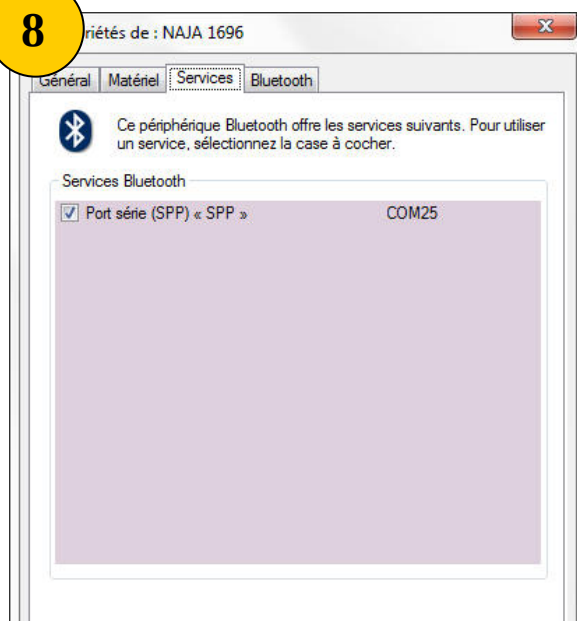
7



Right Click on the NAJA

► Properties

8

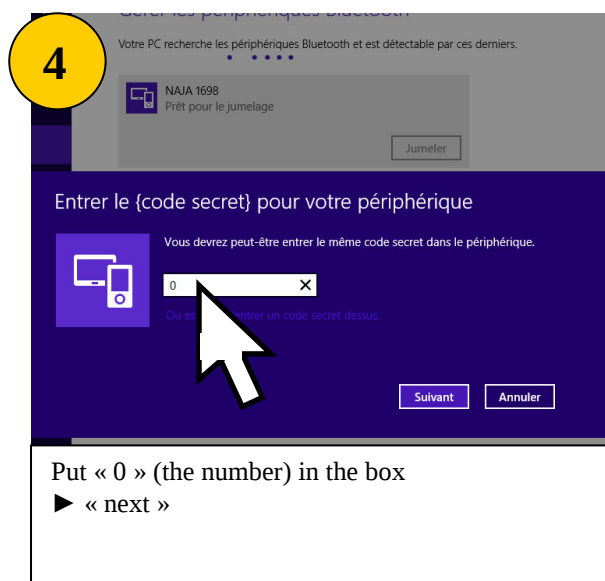
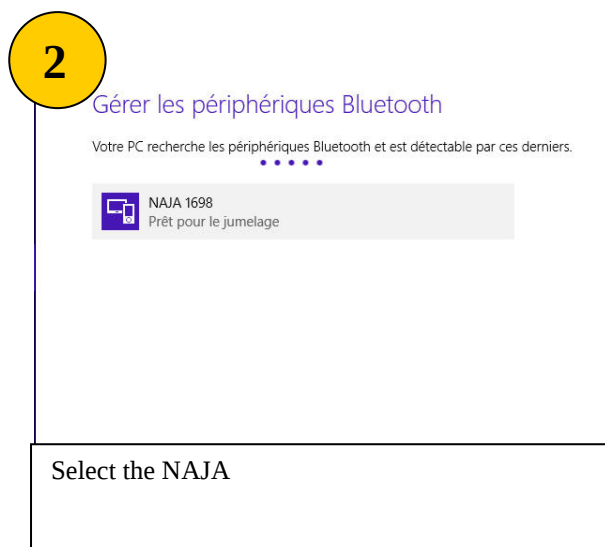
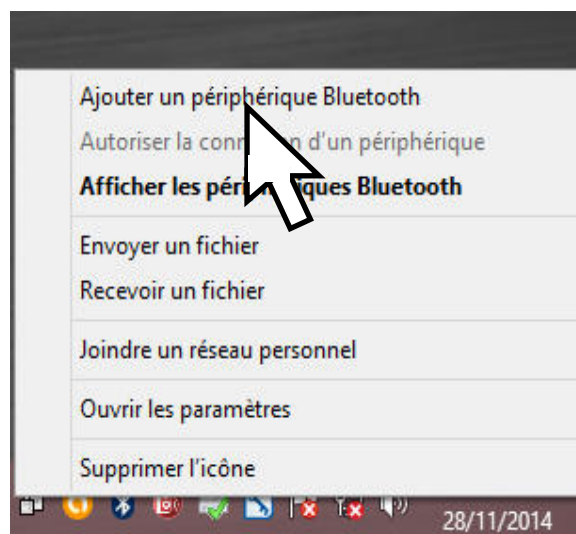
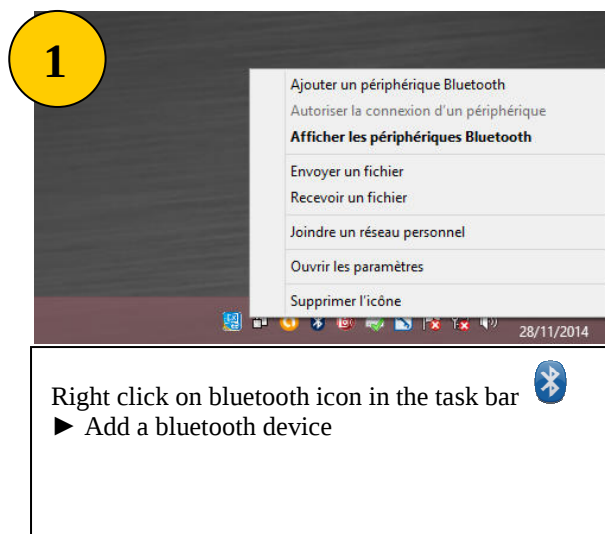


SERVICES tab

Note the Outgoing COM port, it will be used later in the software

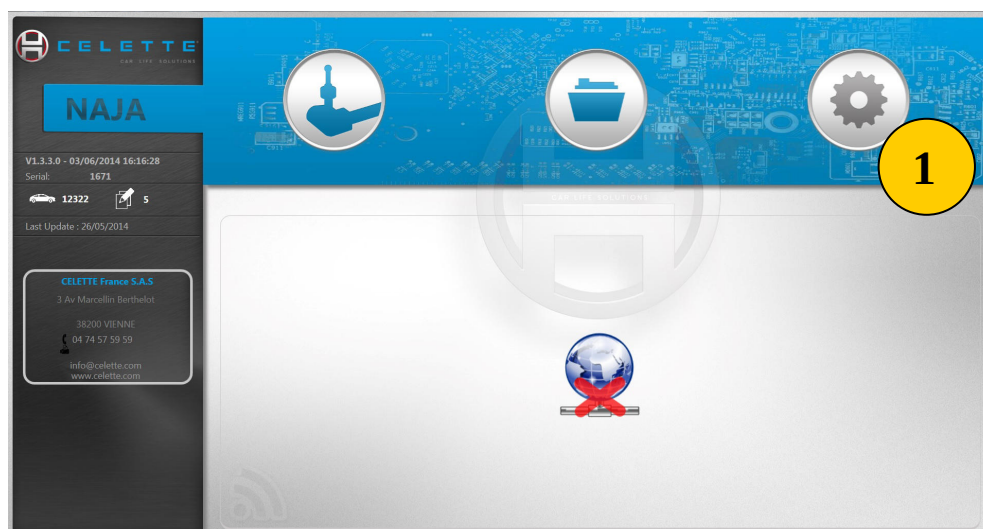
4- Bluetooth connexion windows 8

Please first, switch on the NAJA measuring head.





5- Naja software bluetooth parameter

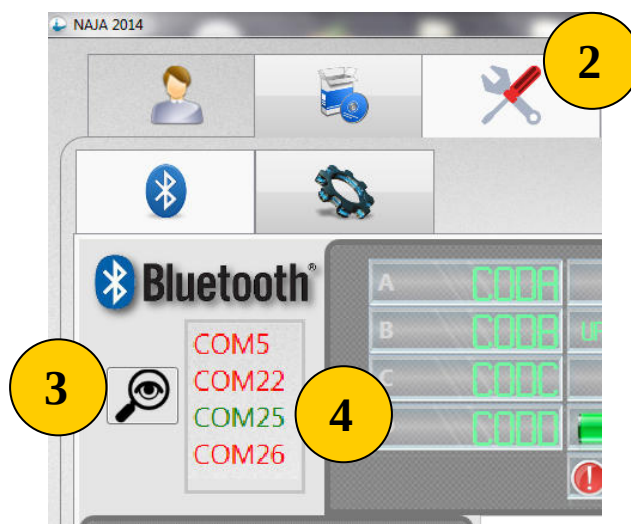


1_ Click on parameter.

2_ Click on Maintenance

3_ Click on magnifying glass

4_ Click on green COM port.
In this example COM25

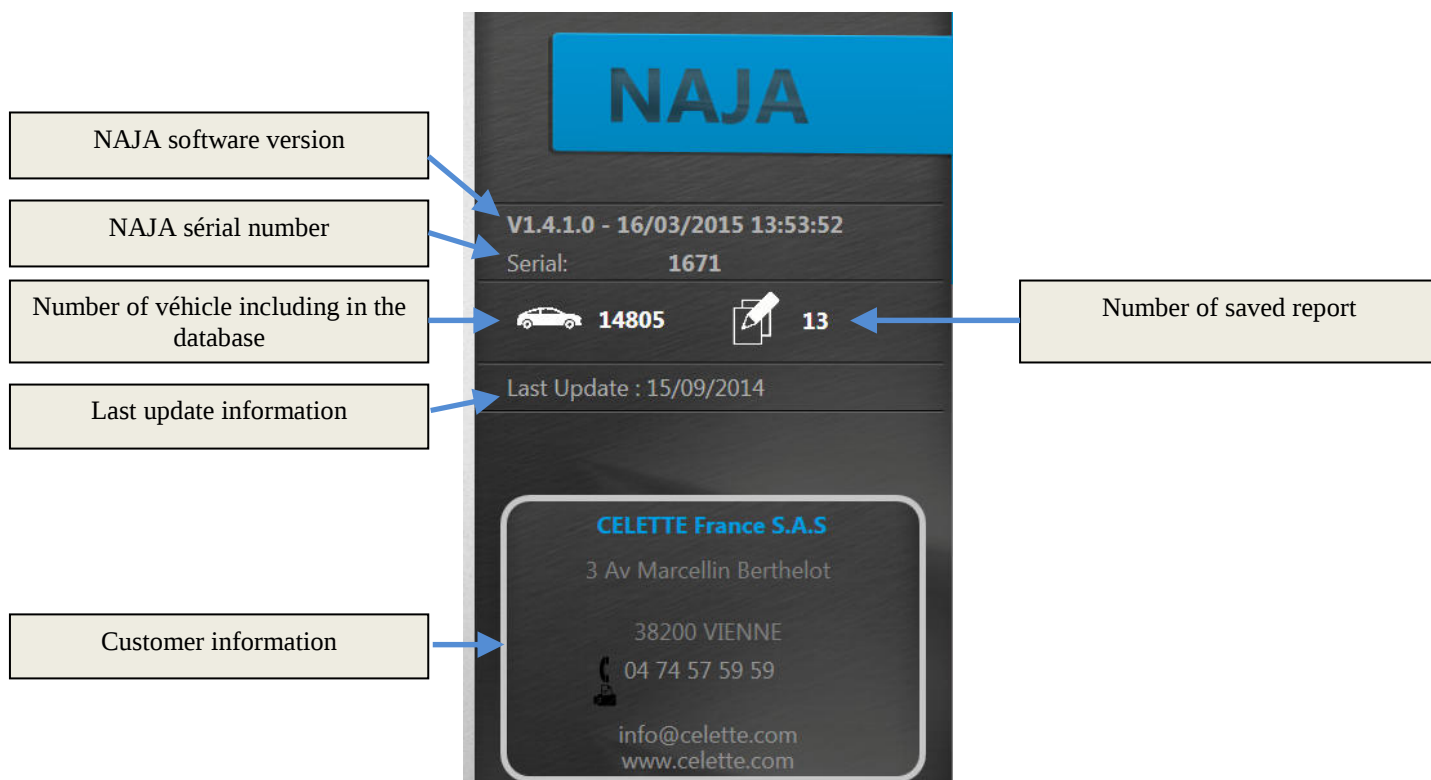
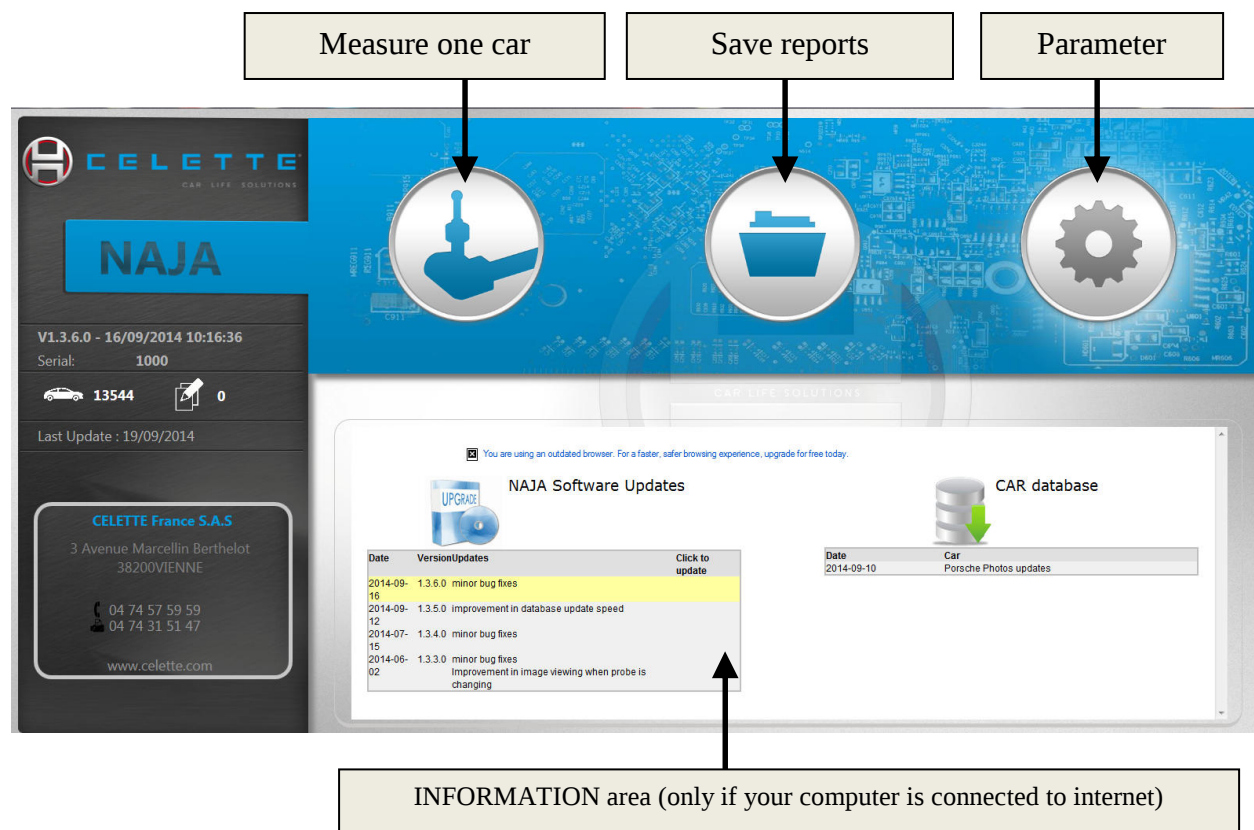


The COM port number will be save when you'll close completely the software.

This procedure is done just one time during the first installation of Naja software.

6- Main menu

The main screen has 3 main buttons and a general information area.



7- Software setting

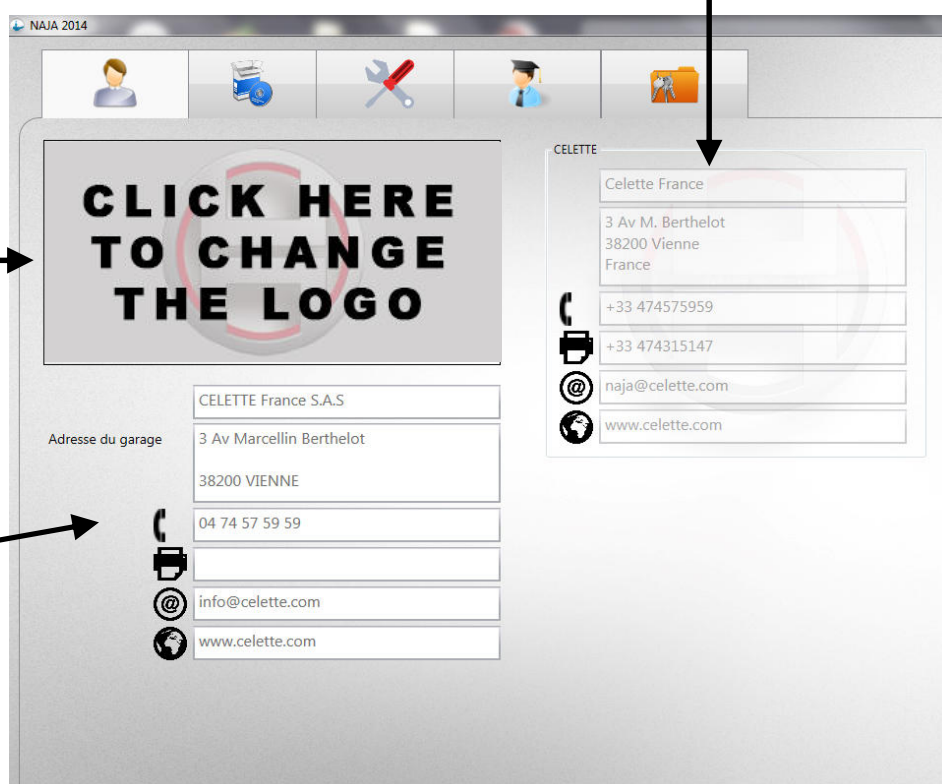
1_ From the main menu click on button parameter.



2_ Customer tab

CELETTE Information
(not editable)

Customer Logo :
Click on the middle of this square to modify the logo.



NAJA 2014

CLICK HERE TO CHANGE THE LOGO

CELETTE France S.A.S

Adresse du garage

3 Av Marcellin Berthelot

38200 VIENNE

04 74 57 59 59

info@celette.com

www.celette.com

CELETTE

Celette France

3 Av M. Berthelot

38200 Vienne

France

+33 474575959

+33 474315147

naja@celette.com

www.celette.com

Customer information :
Enter your address.

3_ Software tab

Langage :

Click on your corresponding flag to modify the language in the software.

Sounds :

Default sound list used by the Naja software.

Update by :

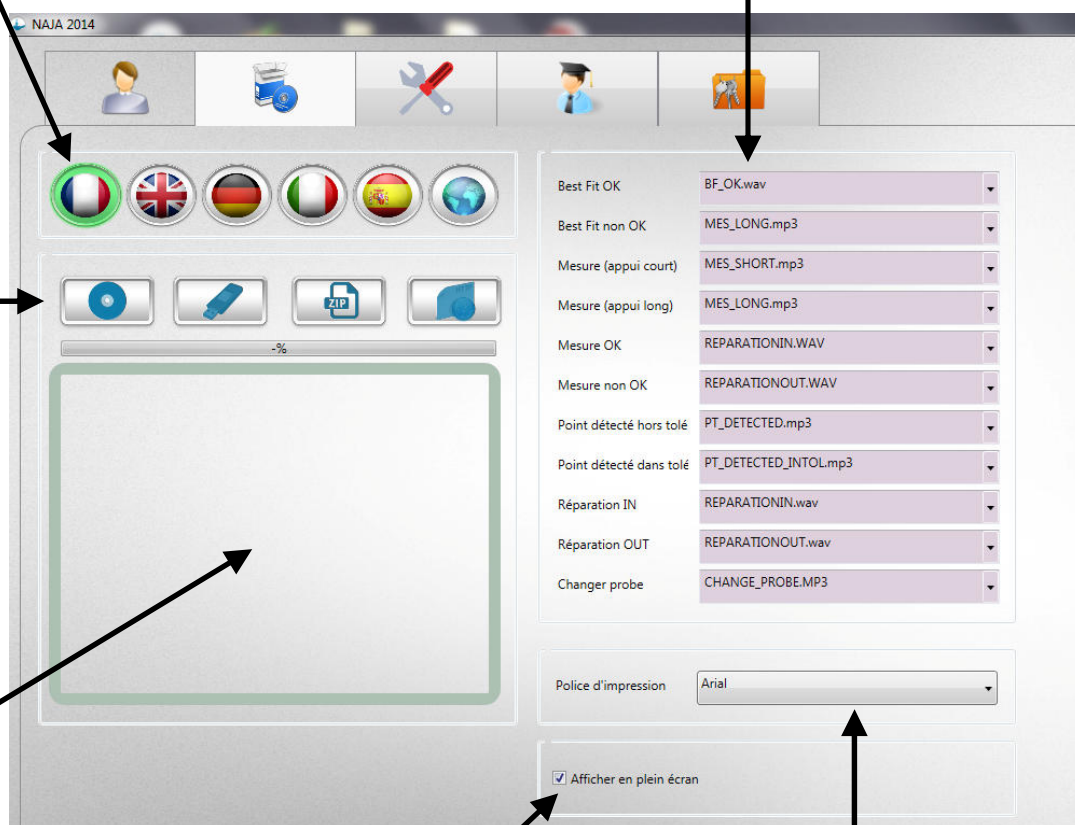
CD-ROM

USB stick

ZIP Folder

INTERNET
(Require internet access).

Information area
used during
internet update.



Full screen display :

Activate this option and the software will adjust automatically at your configuration.

Font setup :

Select the font to print out the measuring report.
(prefer ARIAL).



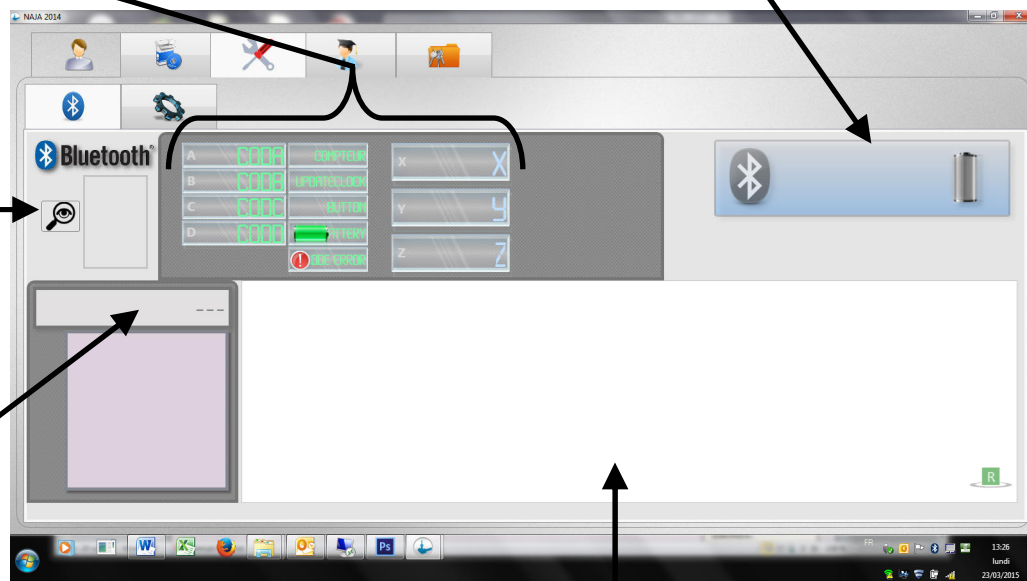
4_ Maintenance tab

Measuring head information:
Coder diagnosis, bouton, values.

Bluetooth link and battery information.

Port com research

Measuring distance between 2 points (eg : gauge bar) and summary table for the last measure.



Measuring head display to check displacement and coder information.

8- Measure a car

1_ From the main menu click on button measure one car.

1

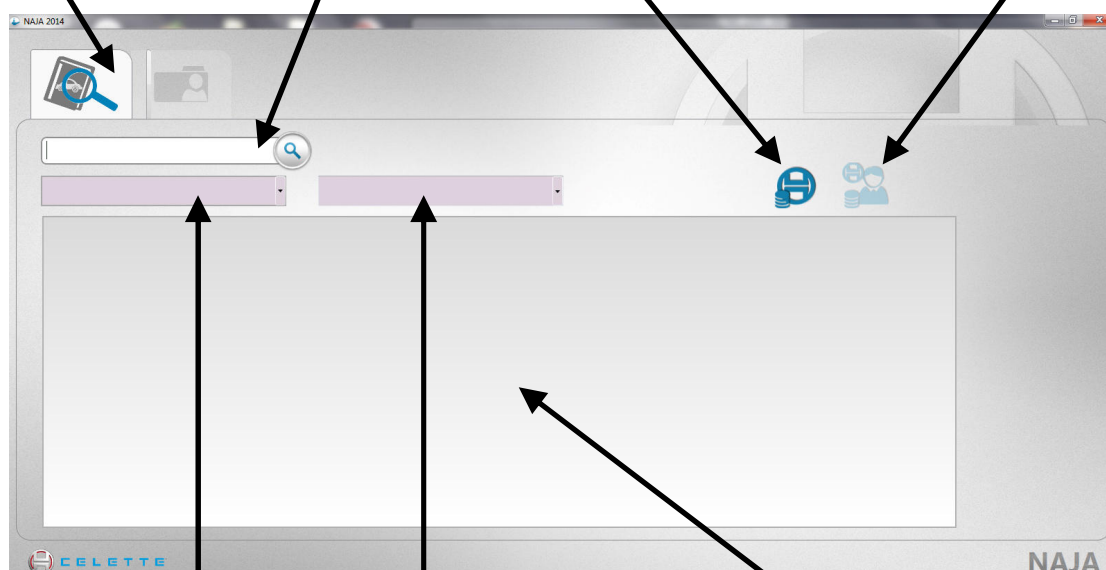


Measuring tab

Car research by key word.

CELETTE Data sheet Icon

Icon personal data sheet = data celette + measuring point added by customer

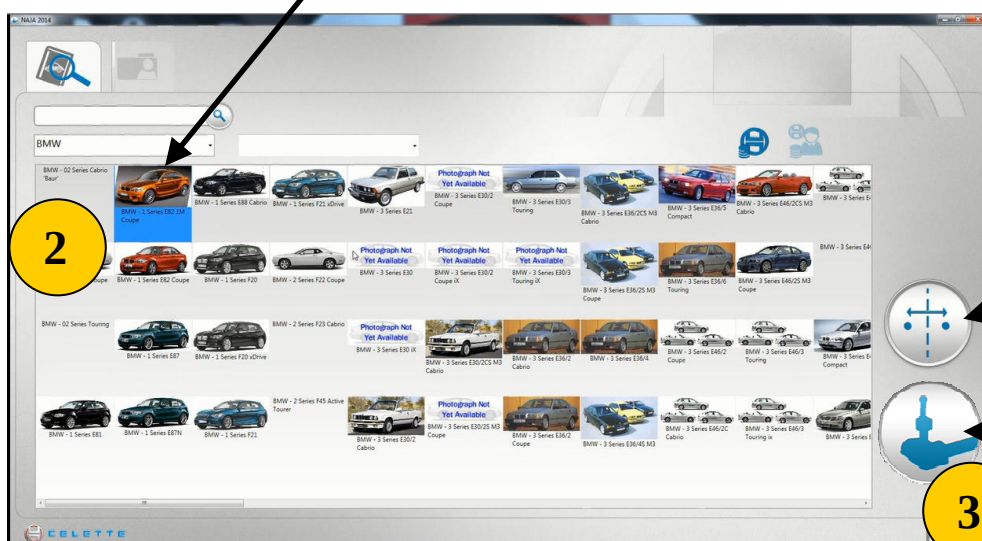


Car research by MAKES and MODELS.

View of available vehicle list.

2_ Research and select the corresponding car.

2

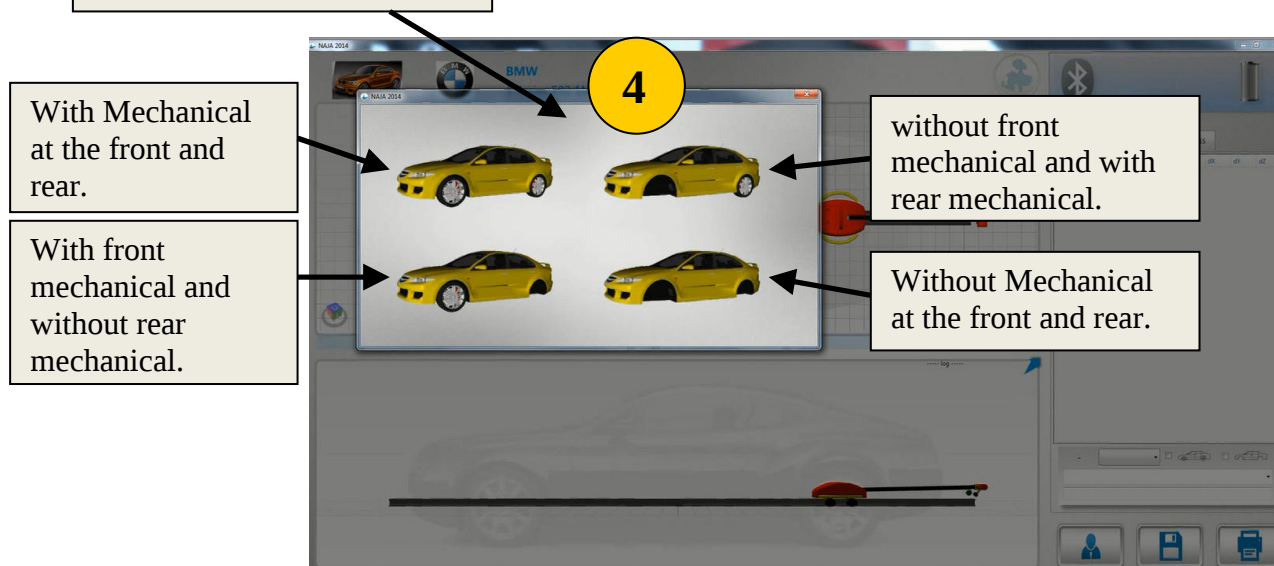


Measure by SYMMETRY

3_ Validate your choice and measure with CELETTE data

3

4_ Select the mechanic style.



Vehicle informations.

Anchoring information.

Date of the data sheet.

Activate bluetooth link+
Probe information +
battery Information.

Main view.

Display theoretical value points .

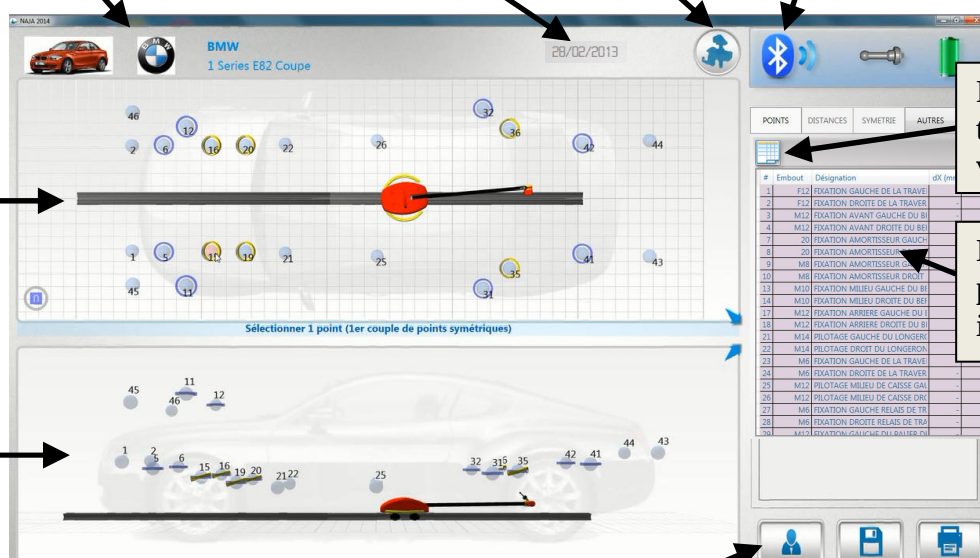
Measuring points information

Additional view.

Customer informations tab.

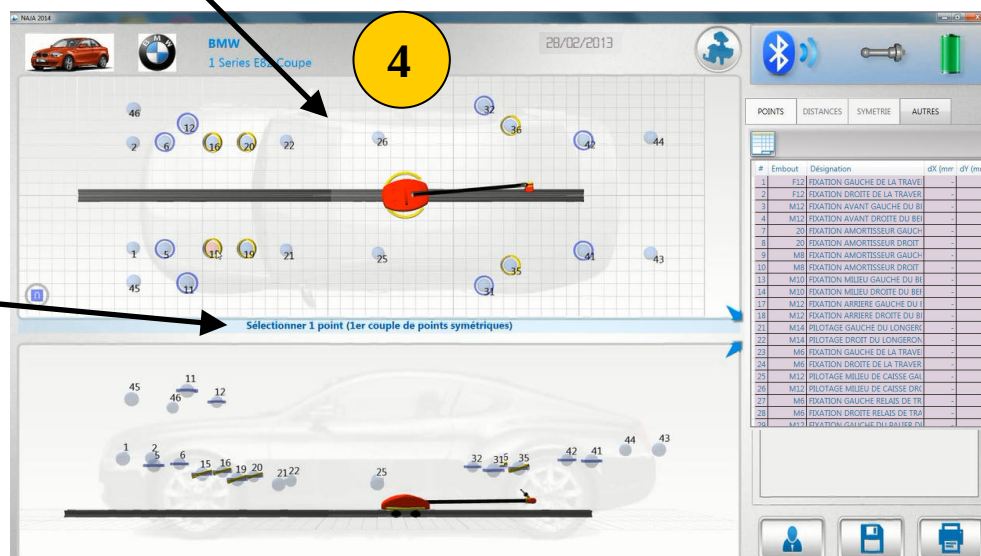
Save your measuring reports.

Print out the measuring reports.

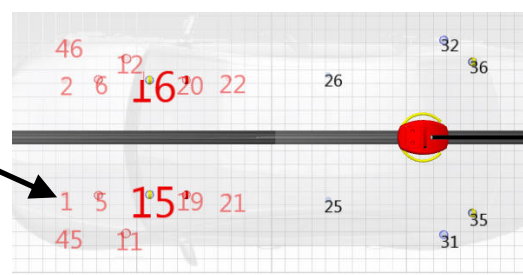


4_ Select the 4 levelling points (points circled in yellow are safety points).

Follow the instructions under the main view.

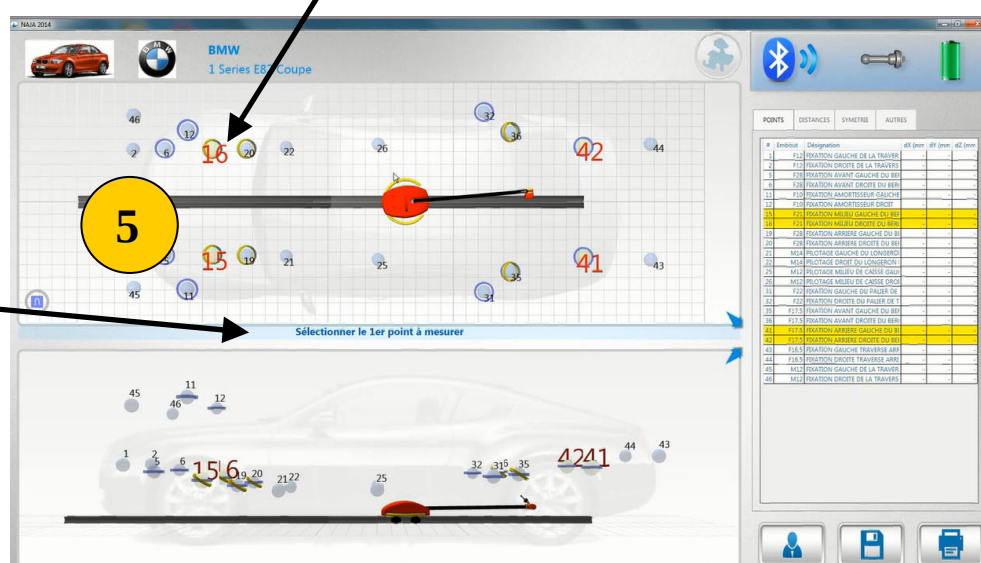


After have selected the first point, The second point that is symmetric is automatically selected, the red point around these tell you that you cannot take these points in 3eme and 4eme points because the minimum distances is not respected.



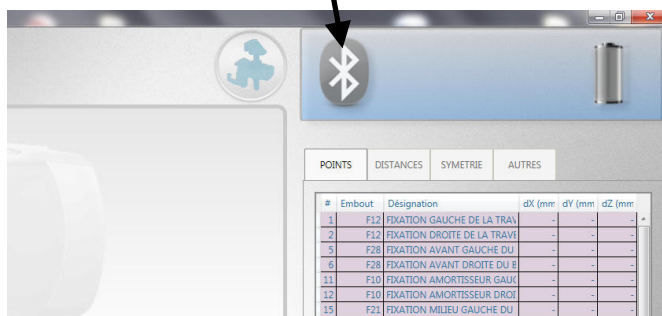
The 4 levelling point selected appear in red. In this example the point : 15/16 and 41/42

Follow the instructions under the main view.

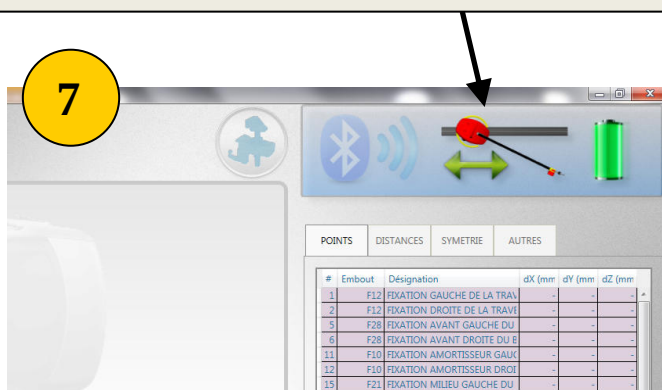


5_ Select the first point that you'll measure.

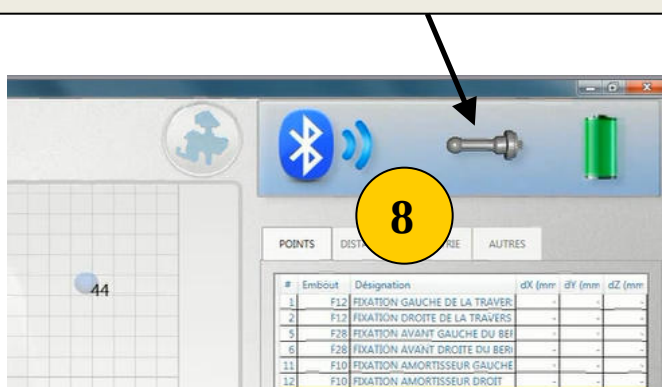
6_ Before measuring your first point you need to activate the bluetooth link between software and measuring head by clicking **JUST ONCE** on the Bluetooth icon.



7_ The bluetooth link is on progress, you need now to move the measuring head on the rail for finalize Bluetooth initialization.

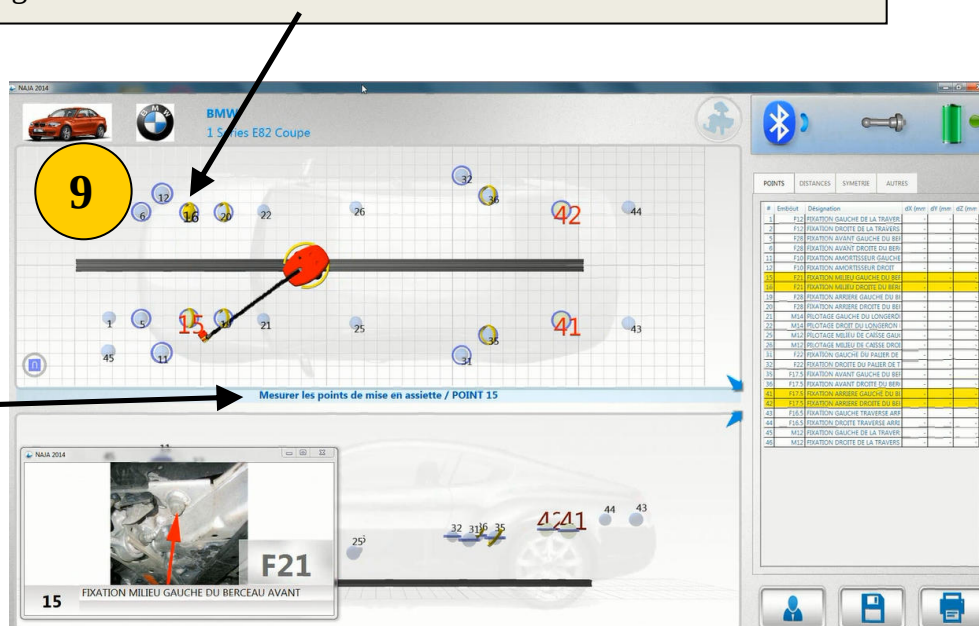


8_ When the displacement is correct the probe appear and bluetooth icon running. You can now measure your first levelling point selected previously



9_ When the point is measured it become yellow and the number of the point become black again.

Follow the instructions under the main view.



10_ Measure the 3 others points.

If the levelling is correct, a validation sound is emitted.

If the levelling is not correct, a different sound is emitted and best fit windows appear with different choice.

For a best Fit lower than 5, it's possible for a unibody vehicle and 7 for a frame body, according to the car manufacturer. Then it is recommended to exit the measure screen and start a new leveling.





11_ Measure all the others points.

When you are approaching a point a sound begin for help you to locate it, then when you're near this point another sound is emitted and an information window about it appear.

Picture of the point.

Real-time targeting the X and Y position relative to the theoretical.

Real-time targeting the Z position relative to the theoretical.

Values compare to the theoretical values.

Socket identification

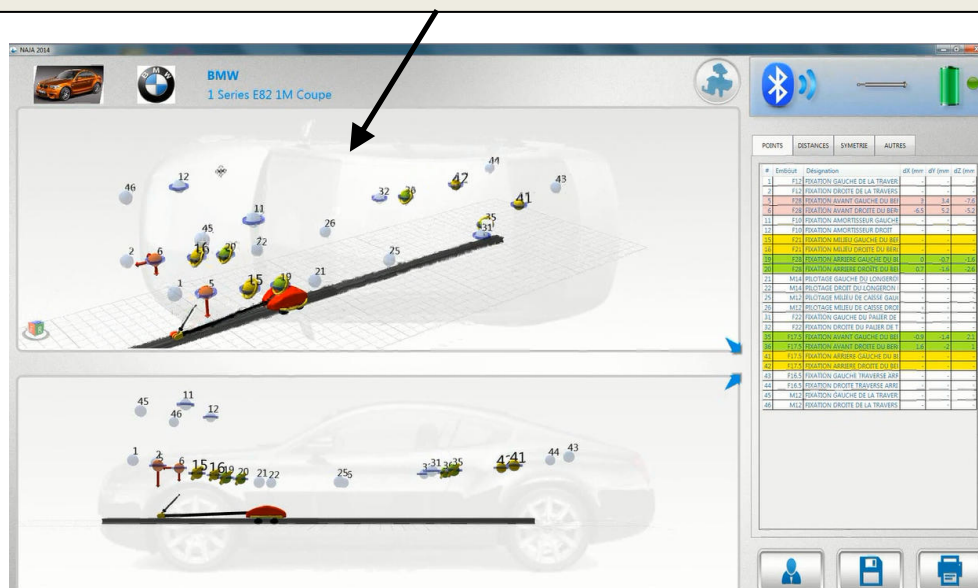
Précision sur le positionnement de l'embout.

Point number.

Point désignation.

Point Comment.

At any time you can move via mouse, zoom and focus the views at your convenience to help you better understand the deformation of the points.





12_ At the end of control, save the customer informations by clicking on the following icon. (at the bottom of the page).



12

It's obligatory to enter information in the 2 pink square : registration and VIN (véhicule identification number 17 characters) for save the information.

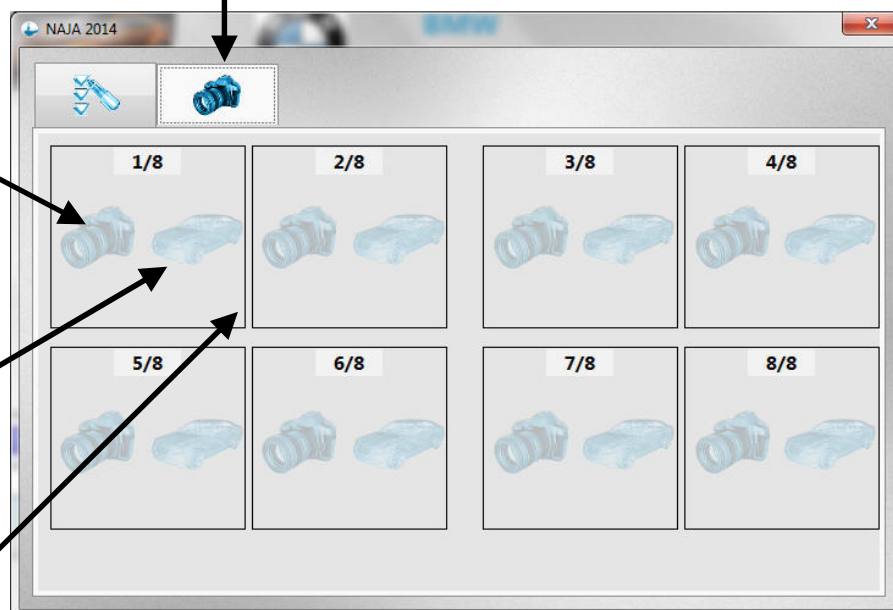
The screenshot shows the 'NAJA 2014' window with a form for entering vehicle data. The form includes fields for 'Marque' (BMW), 'Modèle' (1 Series E82 1M Coupe), 'Opérateur', 'ID Rapport' (2014112703797), 'Nom propriétaire', 'Immatriculation' (highlighted in pink), 'Kilométrage', 'VIN' (highlighted in pink), 'Demandeur', 'Téléphone', 'Assurance', and 'Téléphone'. There are also sections for 'Commentaires' and 'Commentaires confidentiels'.

In the Pictures tab you can add if necessary 8 photos that you consider important for understanding the control report.

To add a picture, click on the camera picture, a Windows appear to select the picture and validate.

To add a print screen picture, click on the car icon, a Windows appear to select the picture an validate.

To delete the picture, click on garbage icon.



13_ After having filled customer information, close the window and click on the save icon to save your measurement.



13

A window will inform you that the measurement report has been saved. Click on OK



14_ Click on the report icon to view your measuring report.



14

15_ To print out your report click on printer icon at the top left corner.

15



16_ You can now close all the windows and exit the software.



9- Reopening report

1_ From the main menu click on button save reports.

1



Research area.

All the saved reports are listed.

The screenshot shows the NAJA 2014 software interface. On the left is a 'Research area' with search filters for Marque, Modèle, Immatriculation, VIN, Propriétaire, ID Rapport, and Date. The main area displays a table of saved reports. On the right, there are three icons: a trash can for deleting a report, an eye for showing a report, and a circular arrow for reopening a report.

Date	ID Rapport	Marque	Modèle	Propriétaire	VIN
17/06/2014 08:03:47	2014061703569	PEUGEOT	407 1. Generation (6D) Sedan		
17/06/2014 07:49:07	2014061708404	PEUGEOT	407 1. Generation (6D) Sedan	KLAUSS	
18/06/2014 14:39:56	2014061805111	PEUGEOT	407 1. Generation (6D) Sedan		
22/10/2014 09:20:24	2014102202195	ACURA	NSX 1. Generation (NA1) 'Targa'		
05/11/2014 10:35:16	2014110500079	ACURA	NSX 1. Generation (NA1)		h VIN
05/11/2014 11:21:08	2014110501180	ACURA	NSX 1. Generation (NA1)		2
29/01/2015 10:12:59	2015012905863	ACURA	NSX 1. Generation (NA1)		pm 2015
20/02/2015 11:29:00	2015022002829	ACURA	NSX 1. Generation (NA1)		
29/01/2015 10:12:59	ctrl std + dist	ACURA	NSX 1. Generation (NA1)		pm 2015
29/01/2015 10:12:59	ctrl std + dist + sym	ACURA	NSX 1. Generation (NA1)		pm 2015
04/02/2015 15:37:22	ctrl std avec best fit 14.3	ACURA	NSX 1. Generation (NA1)		1706
17/03/2015 14:46:11	2015031709944	ACURA	NSX 1. Generation (NA1)		
17/03/2015 13:37:11	TEST 1.4.1.0-1	ACURA	NSX 1. Generation (NA1)		WW

Delete the report

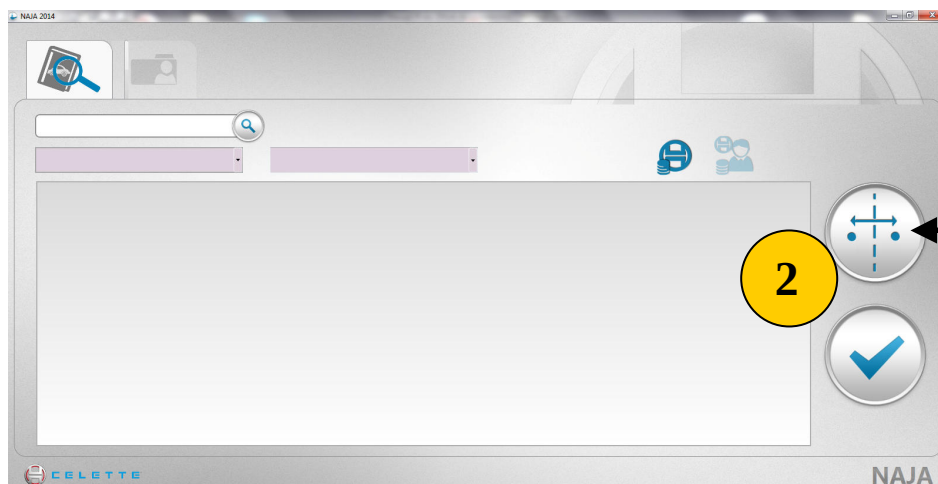
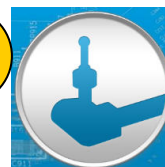
Show the report.

Reopenning the report.

10- Measure by symmetry

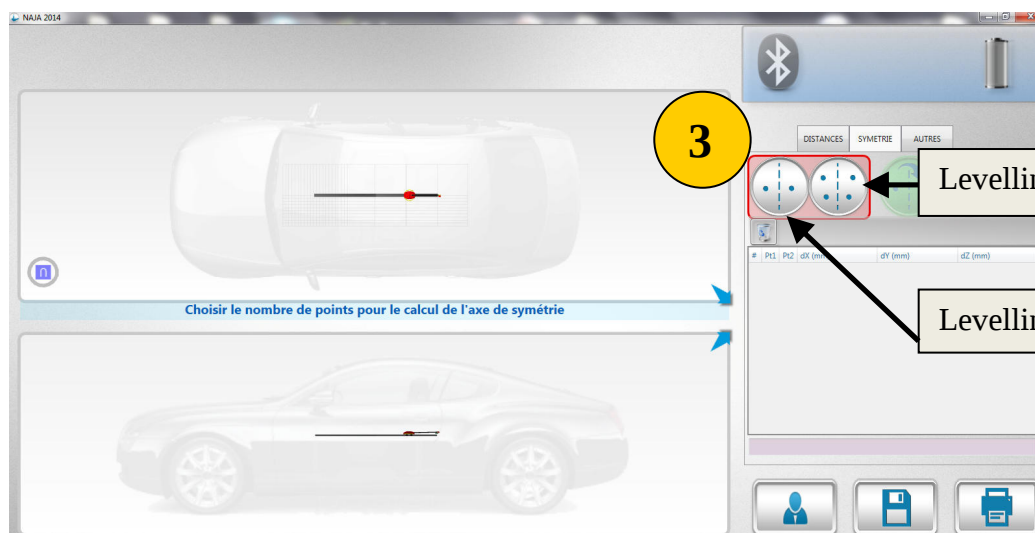
1_ From the main menu click on button measure one car.

1



2_ Click on Measure by SYMMETRY

3_ Measure the levelling of the car to determine the symmetry plan, or 2 points, 4 points. We recommend to you to do the levelling on 4 points.



Levelling on 4 points

Levelling on 2 points.

A best Fit windows can appear if the measure are not correct.



4_ Choose the method of measurement.

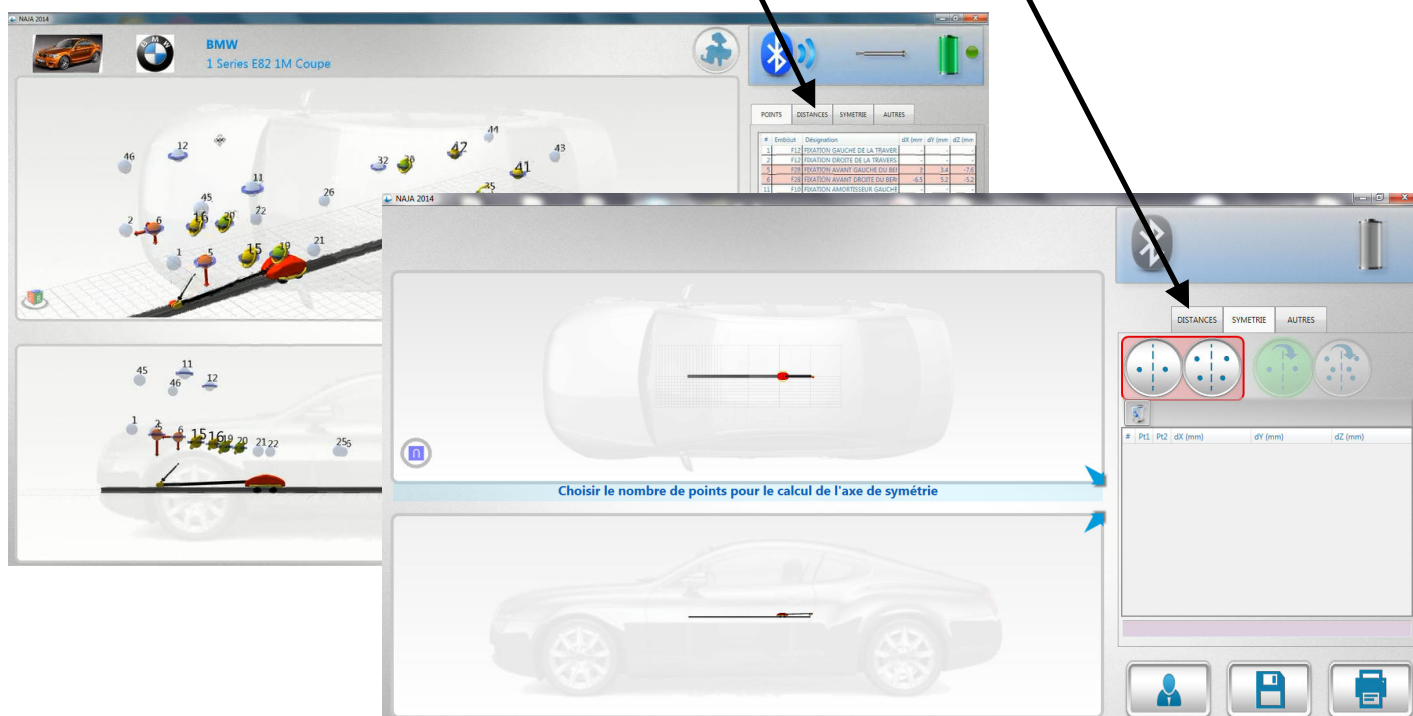


Measure one point, the symmetric point is automatically created by the software, and you need to measure this point. The values correspond to the difference between the measured point and the theoretical coordinate calculated compared to the plan of symmetry.

Measure one point, the symmetric point is automatically created by the software, but compare to the other mode you are not forced to measure immediately, so you can measure all the left point of a vehicle and then measure all symmetrical points create at the right.

11- Measure distance

1_ In any checking mode CELETTE or SYMMETRY, click on tab DISTANCES.



2_ After click one time on any point and click on one second point, The distances is created and appear on the table.





First point number.

Measuring value

Difference between measuring value and theoretical value.

Line number.

Second point number.

Theoretical value

Distance between the first point and the symmetry plan.

Distance between the second point and the symmetry plan.

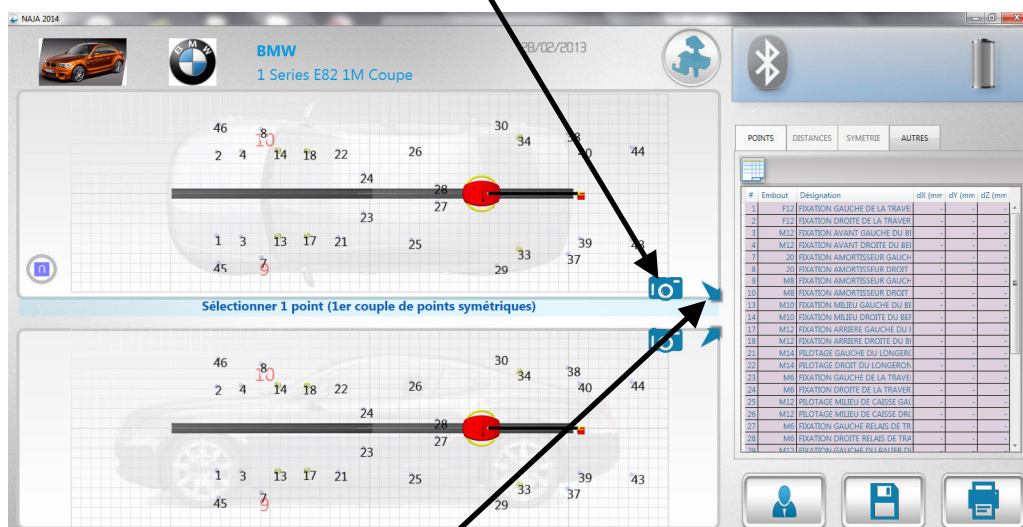
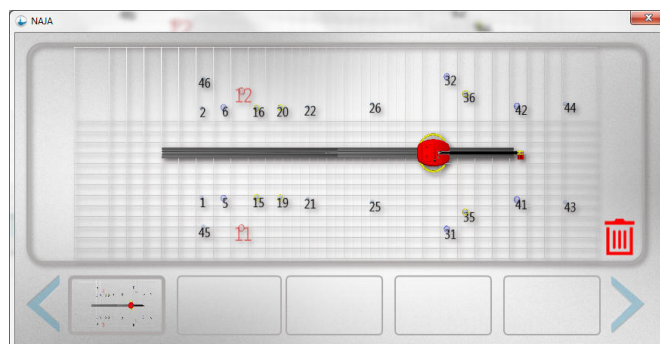
#	Pt1	Pt2	Mes (mm)	Theo (mm)	Ecart (mm)	D1 (mm)	D2 (mm)
1	6	5	880.9	873.4	7.5	407.3	398.1
2	5	16	868.5	873.4	4.9	394.5	401.3
3	S1	S3	402.0	-	-	-	-
4	2	S4	404.6	-	-	-	-

You can delete one distance by clicking on the corresponding line (it appaer blue) and by clicking on the garbage tab above the table.

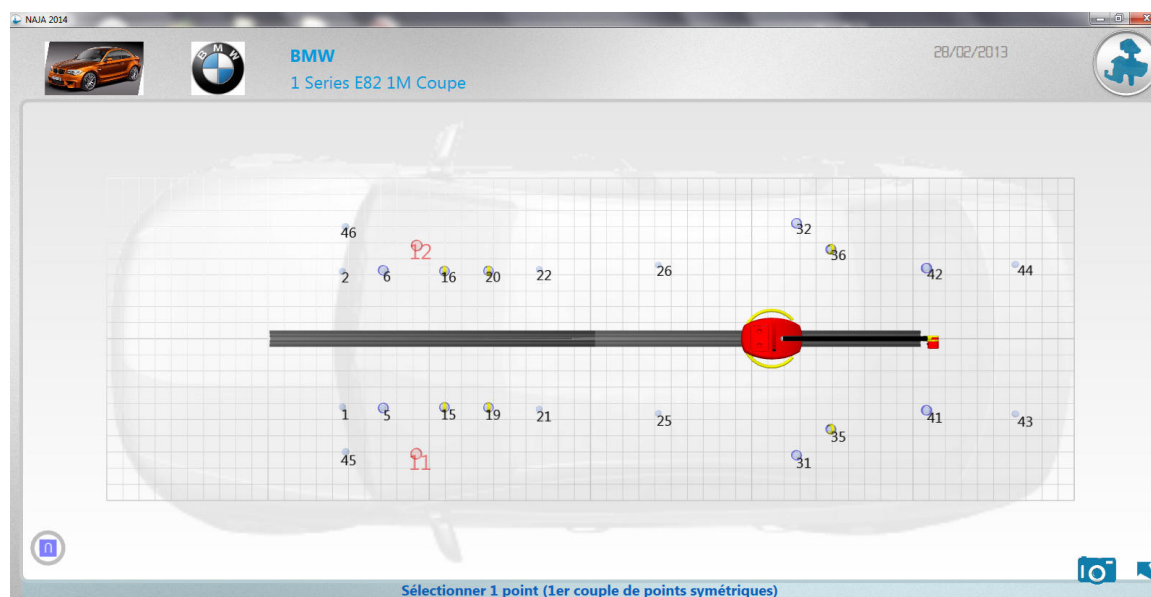


12- Additionnal information

Take a print screen
of the main view



Show main view
on full screen



Return to standard
view

Tab : **OTHERS**



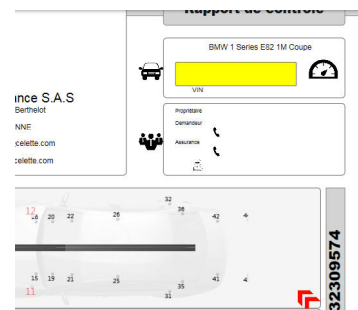
Icon : Activate or not the point information windows. (Green when activated)



Icon : Start again the measurement of the car, return to select the levelling point.



Icon : Car accident information, click on the arrow corresponding to the damage on the car. When it's red, it's activate and will appear on, printed report.



Icon : Print out the working data sheet.

User manual

1^{ère} édition le : 26/11/2014

Modifiée le :



Icon : Main view display



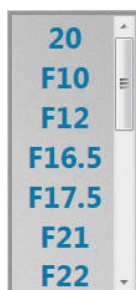
Icon : additionnal view display



Icon : Repair mode
(See page 35)



Icon : Customize data sheet
(See page 39)



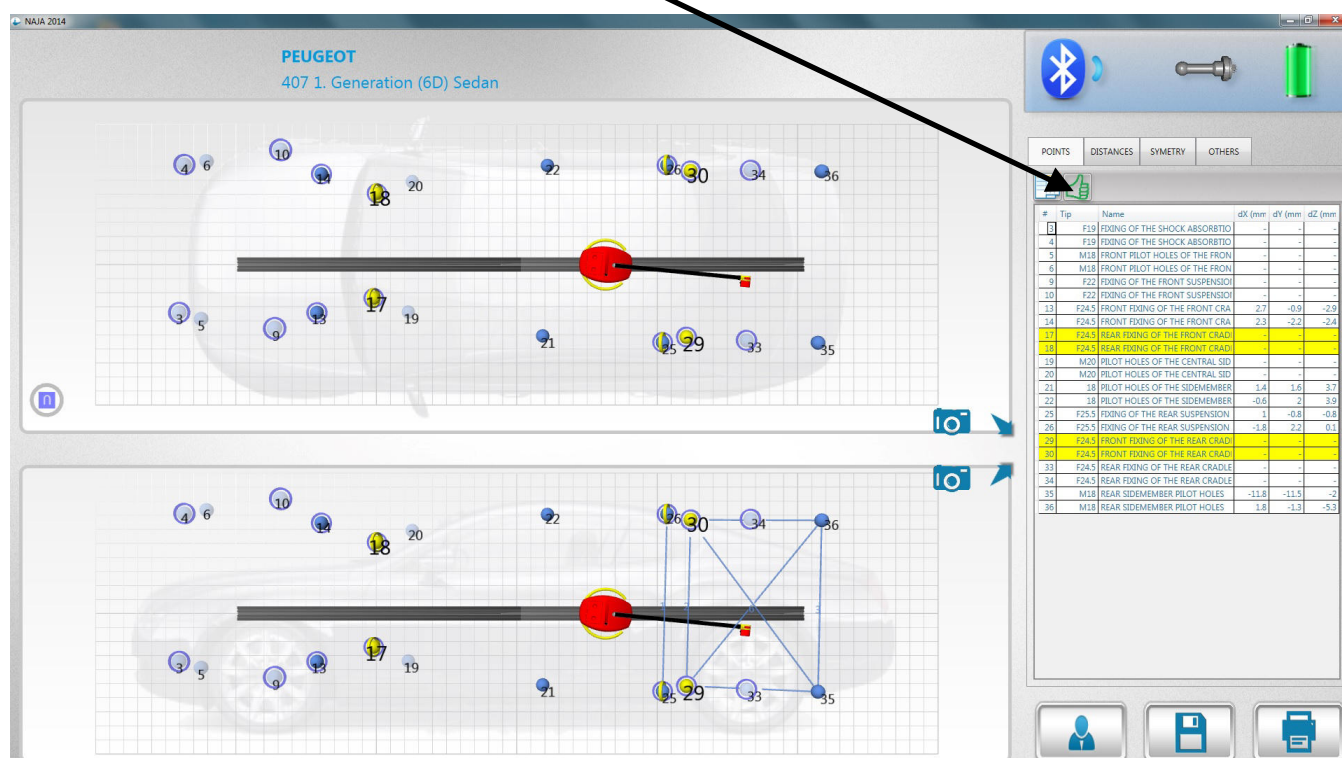
Socket list used to measure the car.



In the default display mode you are interpreting the measuring value this means that we apply a tolerance in X, Y, Z for each point; which allows to draw your attention to the points involving large differences (here in red).



By clicking on the icon of thumb you switch to not measuring value interpreted mode, this means that we display the differences in X, Y, Z for points you measured against their theoretical value.

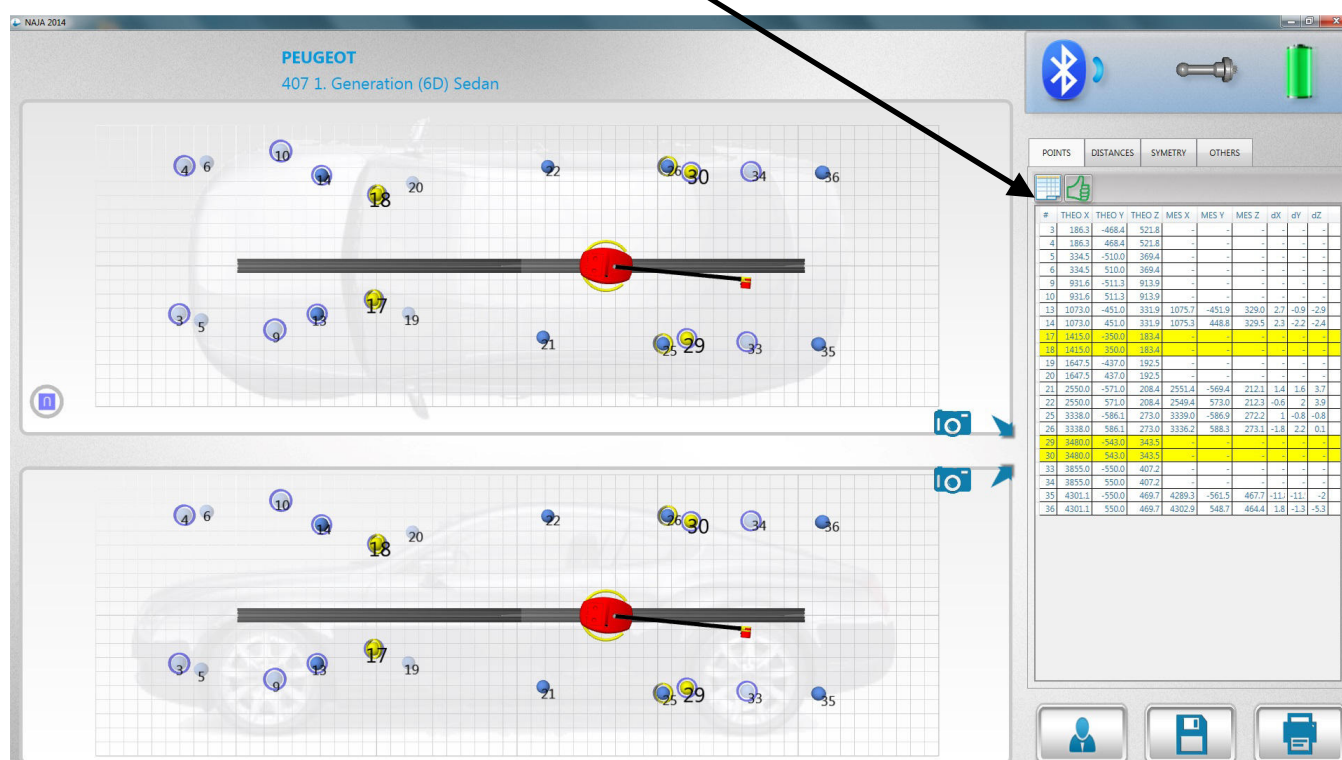




By clicking on the icon in the default display table you view the theoretical dimensions of the measured point and the measuring value and the differences.



By clicking on the icon table on not-interpreting mode you display the theoretical value of the point and the measuring value and the difference.





By holding down the center button of the mouse you can move the active view.

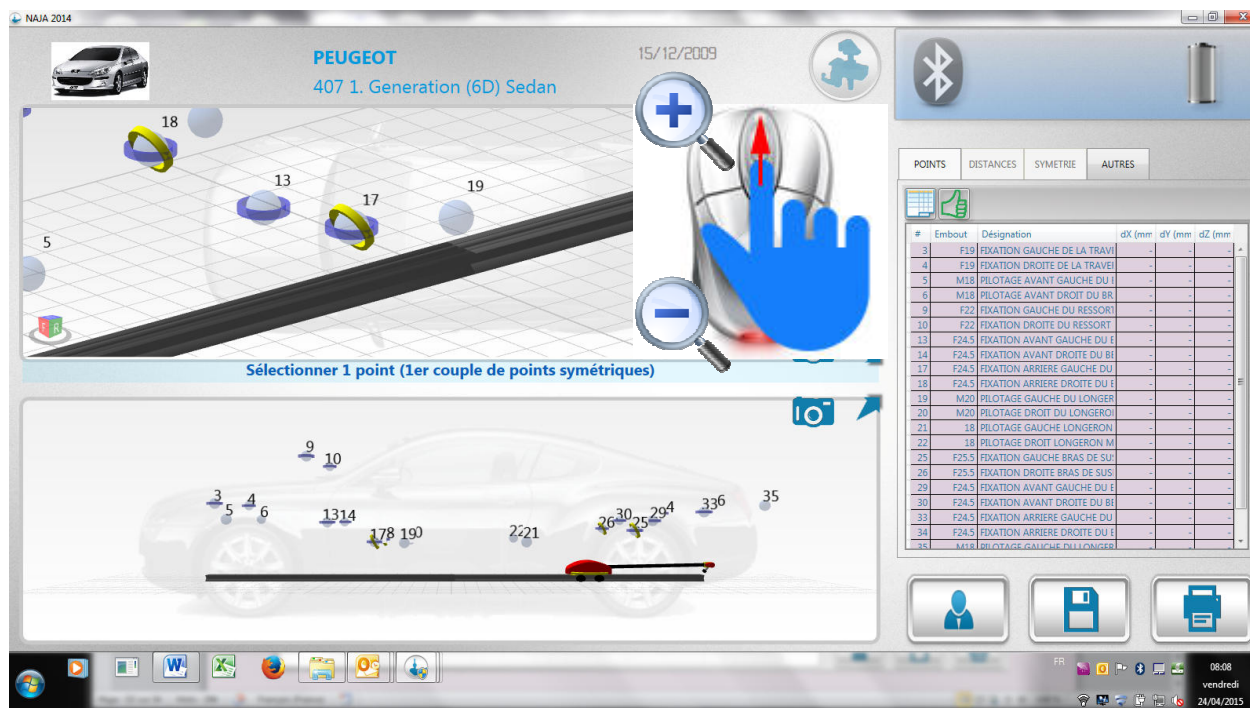


By holding down the right mouse button you can move the active 3D view.





By rolling the mouse wheel you can zoom in and out on the active view.





13- Repair Mode

After measuring the vehicle, click on the tab: OTHER



Click on icon : Repair mode

Follow the information in the center of the screen.



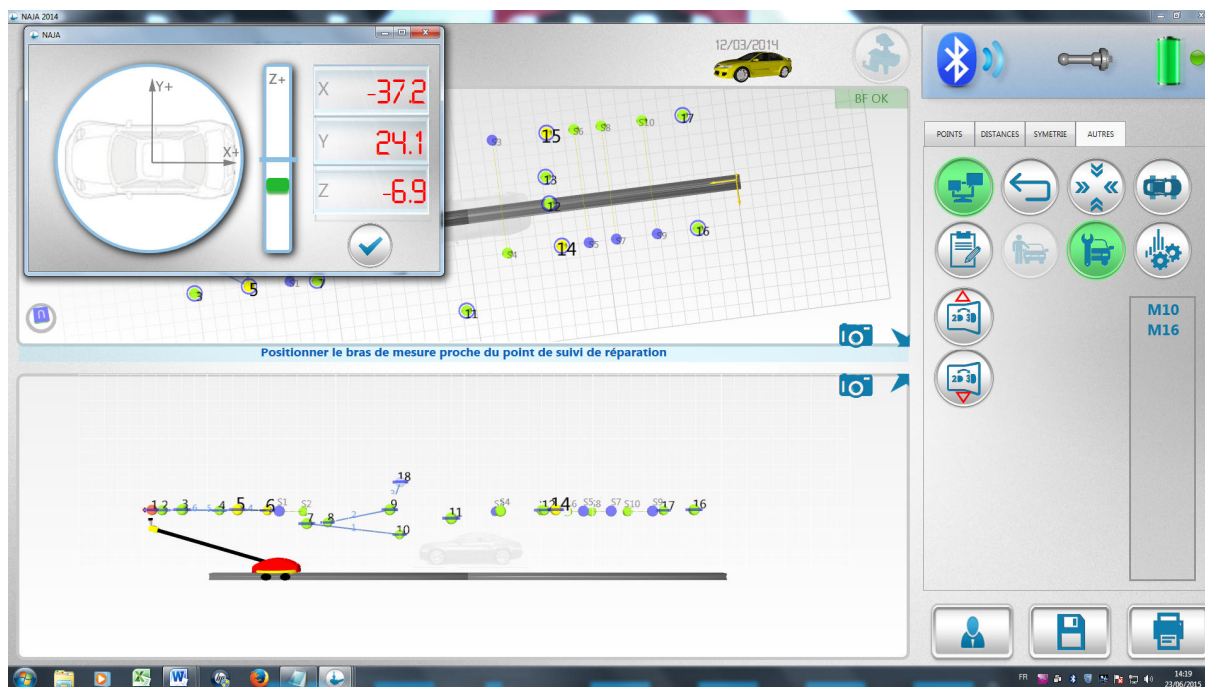
1_ Select the false measured point to repair.



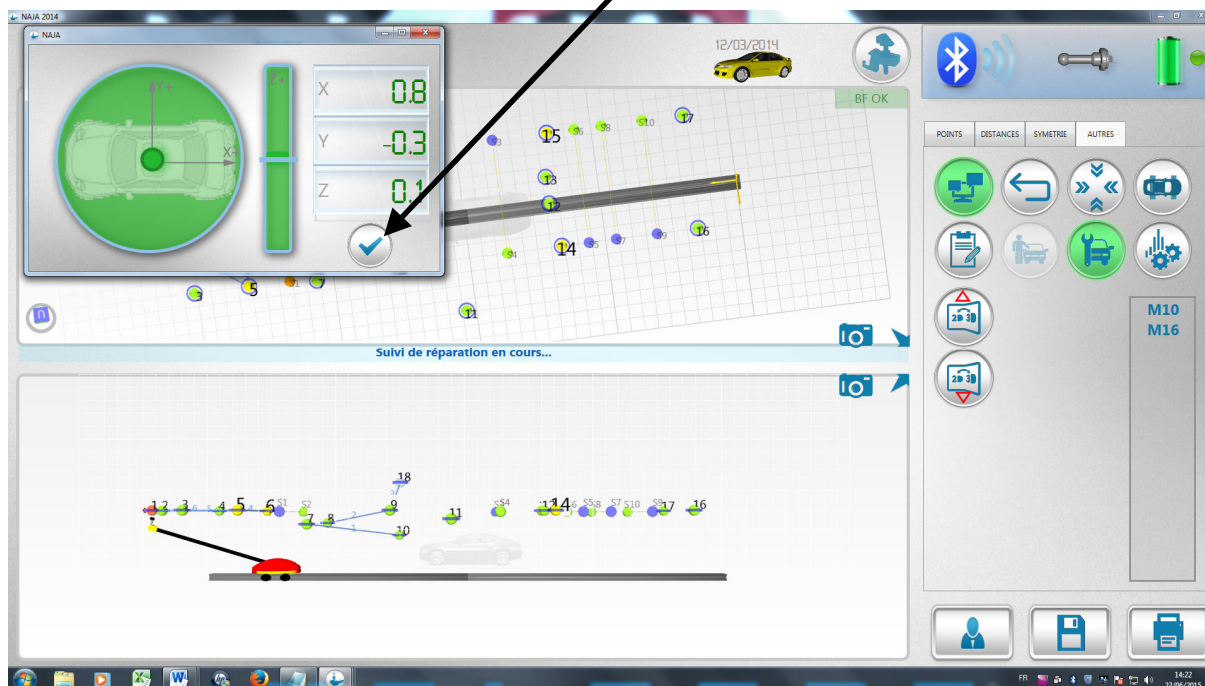
2_ Position the repair part and validate.



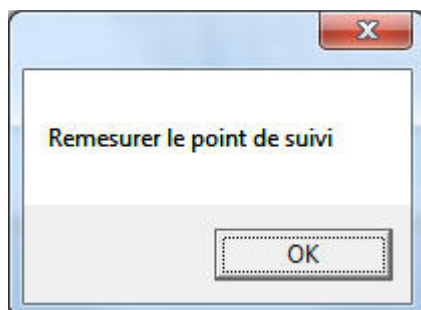
3_ The values of deformation appear, you can proceed with straightening.



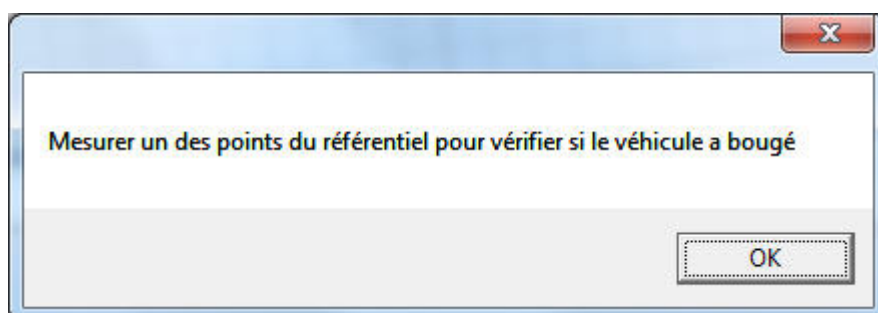
4_ When values are green, straightening is sufficient. Click on VALIDATE.



5_ Remeasure point to confirm straightening.

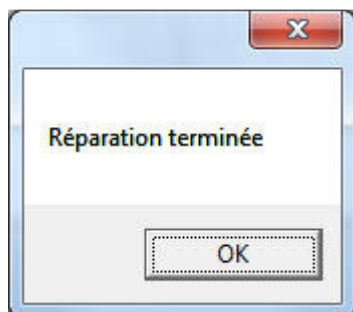


6_ Remeasure on of the levelling point (yellow), to validate the repair of the point.
This measure ensures you that the vehicle has not moved during straightening.





7_ If the levelling point is good, the repair of the point is successful.



If the levelling point is not good, follow the instructions on the screen.



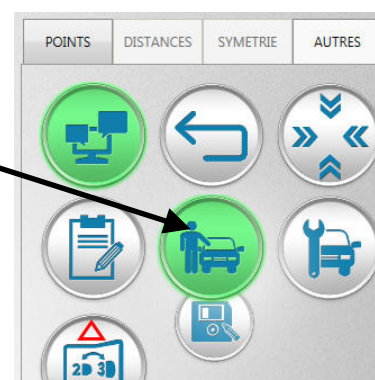
14- Customize data sheet mode

This mode allows you to create non-existing point based on CELETTE sheet and record them for future measurement of another identical vehicle.

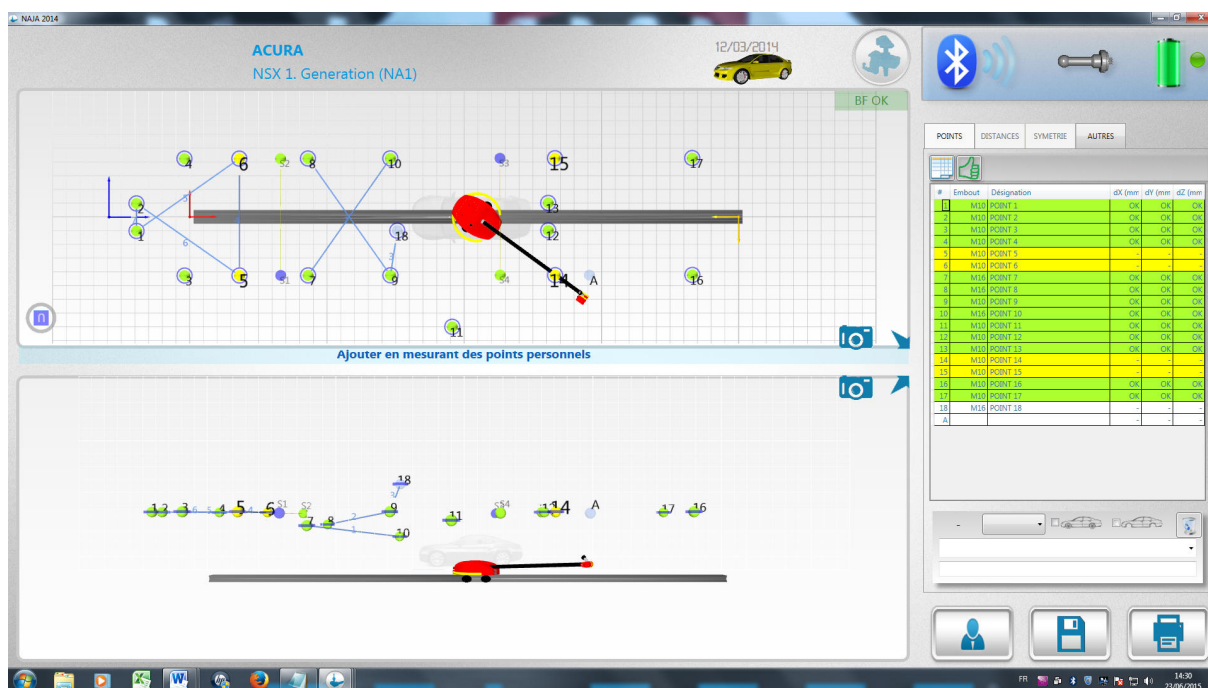
After measuring the vehicle, click on the tab: OTHER



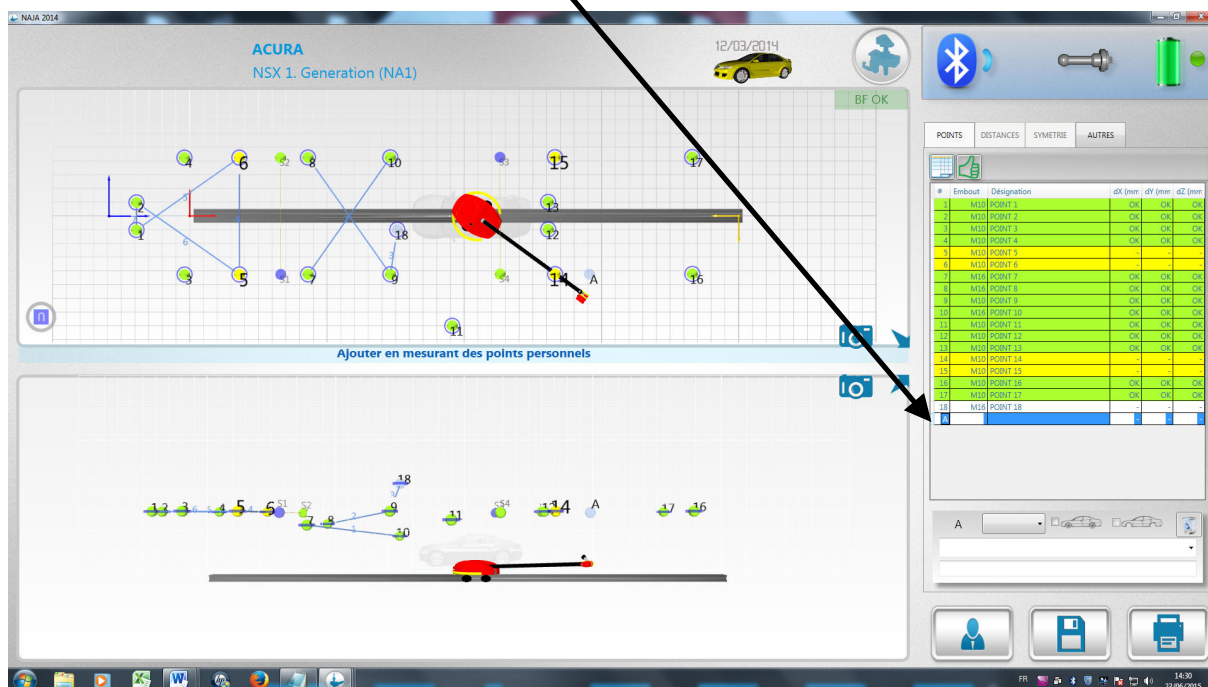
Click on icon : Customize data sheet



1_ Measure the point that you want to add, here point A



2_ A new line A appear on the table, Click on letter A.





3_ At the bottom of the table enter information for created point.

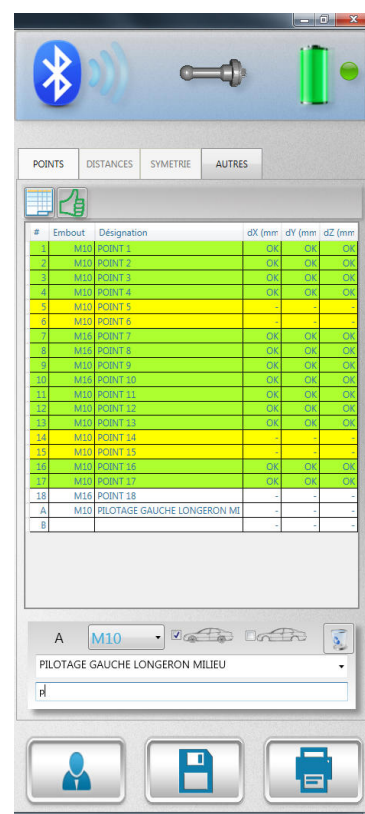
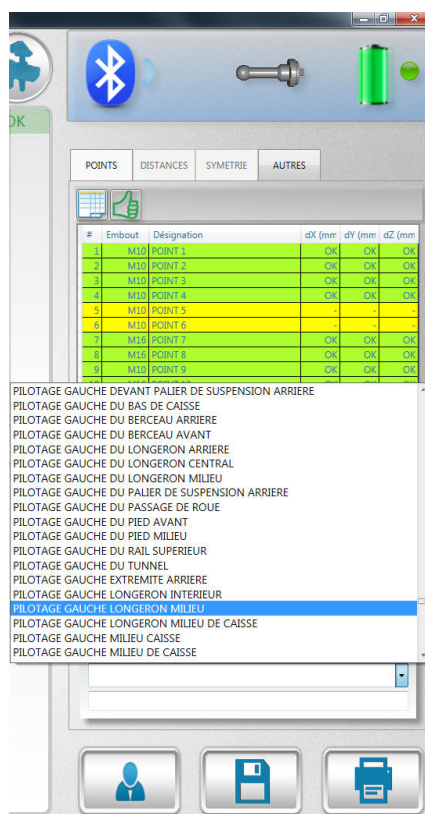
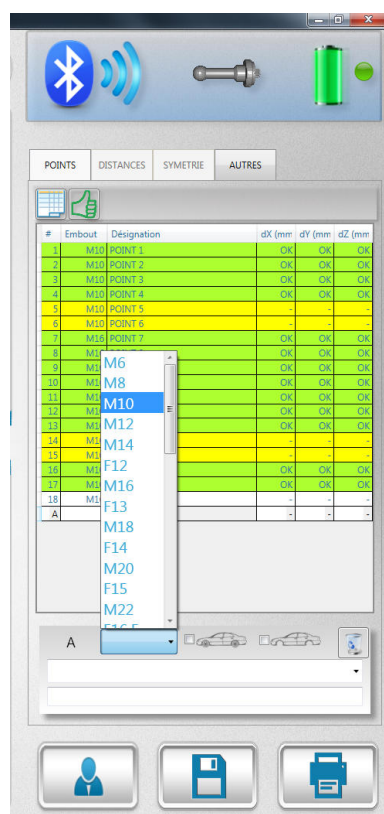
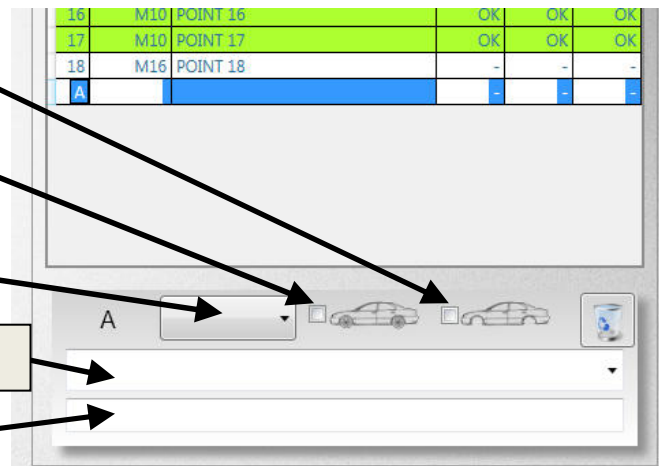
Point can be measured WITHOUT Mechanics.

Point can be measured WITH Mechanics.

Select the socket to use on the list.

The désignation to take imperatively in the list.

Complementary information.

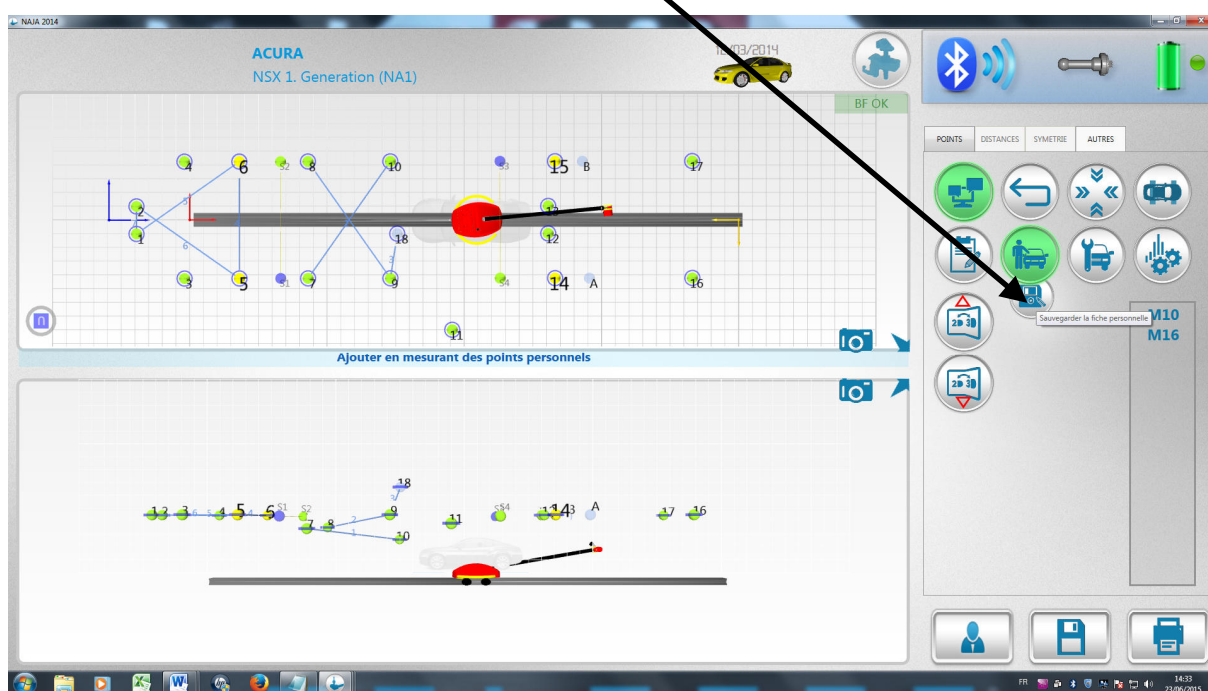




4_ If you want to add another point, repeat the procedure from step 1.
In the example below point B.



5_ When you have added the desired number of points, click the tab OTHER
Then SAVE customize data sheet.





6_ You will find the personal data sheets, creating by clicking on this icon. Then proceed as a classical control.

