

@apter guide

MULTIDEVICE

INNOVATIVE

INTUITIVE

ESTIMATION,
SMARTER THAN EVER



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1. LAYOUT OVERVIEW

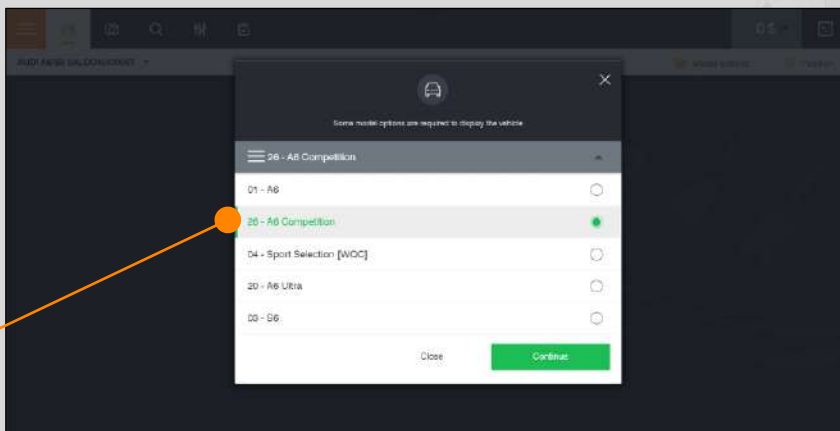
The layout displayed in Qapter has **four main zones**.



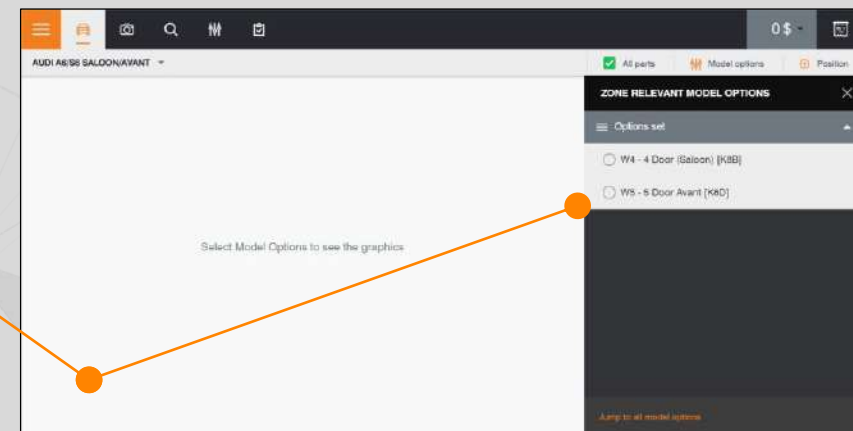
2. START UP

Qapter can be run in **standalone or integrated mode**. It supports dynamic, WTB, non graphical and universal models. Dynamic models allow **3D mode**.

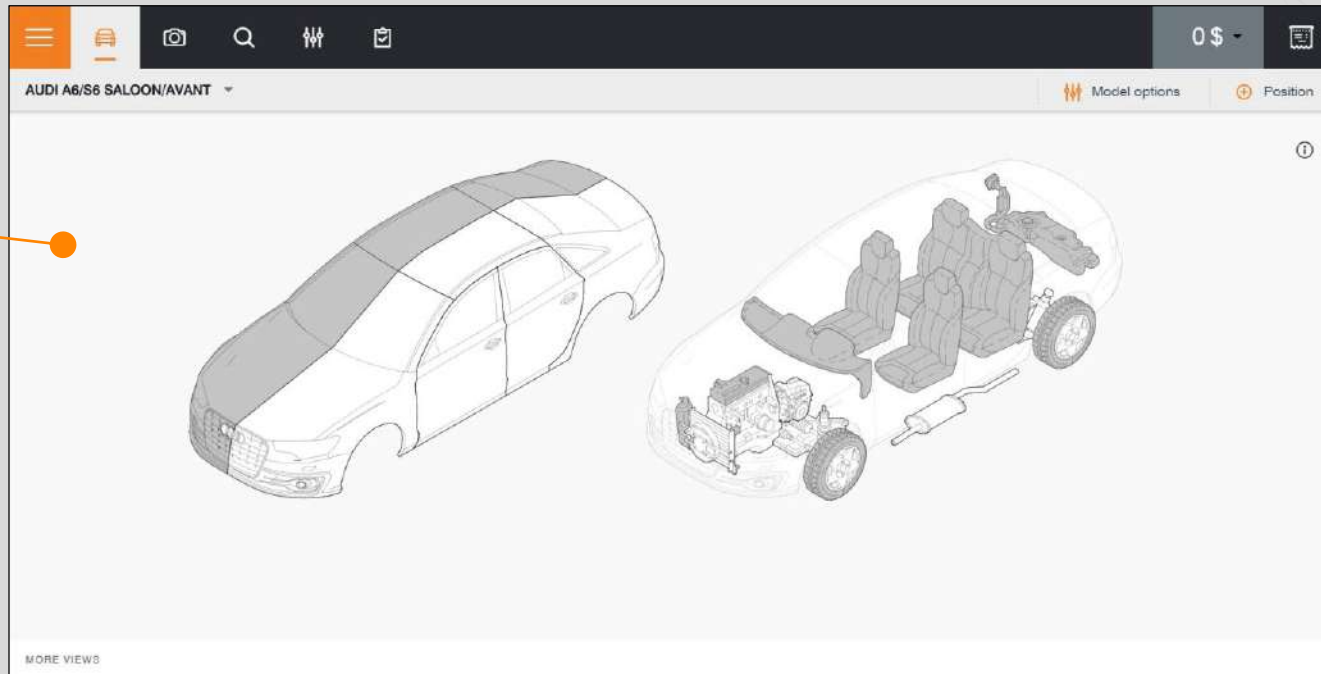
- If **submodel** is missing at startup, a pop-up window will be displayed asking to select one.



- If some **mandatory model options** are missing at startup [zone model options](#) will be displayed in the **navigation view**



- Once submodel and mandatory model options are selected the **navigation view** is displayed.



3. NAVIGATION VIEW

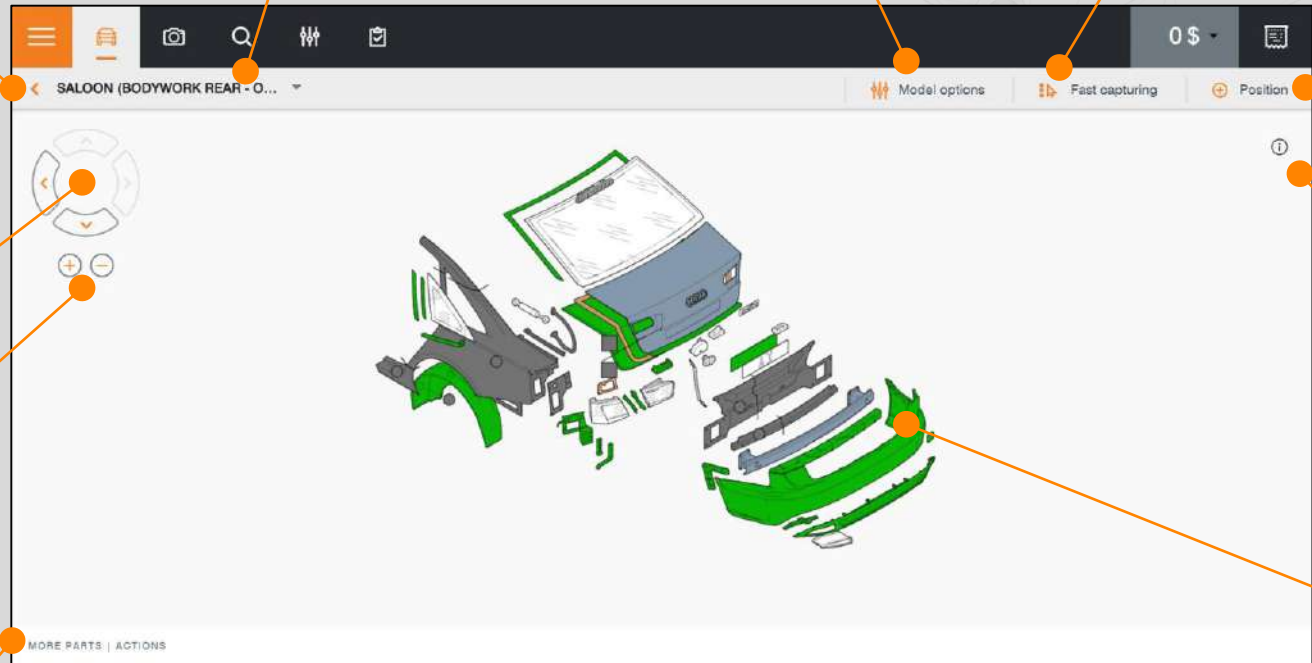
The navigation view displays all **exterior and interior zones** of the vehicle and the pictograms related to this view.

- Click on the **model breadcrumb** to display/hide the [navigation tree](#).
- Click on **'Navigation view'** toolbar icon to display the navigation view.
- Click on **'Model Options'** button to display/hide [zone model options](#) panel.
- Click on **'Add new position'** button [to add a position manually](#).
- Click on a **vehicle zone** or a **pictogram** to navigate to it.
- Click on the **info icon** to display a panel with **manufacturer technical info** and **hints** about material colors, pictograms, and navigation.
- Click on **'More views'** option to display/hide the pictograms drawer.

3.1 ZONE VIEW

The zone view displays **all parts and pictograms in a zone**. Parts display different colors depending on their material. From this view the **repair panel** is accessible to add damages to the calculation.

- Click on the **back arrow** to go to the navigation view.
- Click on an enabled **navigation arrow** to navigate to the next zone.
- Click on the **zoom buttons** to zoom in/out
- Click on the **'More parts'** option to display/hide the [pictograms](#) drawer.
- Click on the zone **breadcrumb** to display/hide the [navigation tree](#).
- Click on the **'Model Options'** button to display/hide [zone model options](#) panel
- Click on the **'Fast capturing'** button to enter [fast capturing mode](#).
- Click on the **'Add new position'** button to [add a position](#) manually.
- Click on the **manufacturer link** to display technical info about the vehicle
- Click on the **info icon** to display the info panel.
- Click on a **part** to open the [repair panel](#).
- Click on a **pictogram** to open the [repair panel](#)



INFO

ABOUT THE MANUFACTURER

Show manufacturer's technical info

PART SELECTION COLORS

- Selected part
- Highlighted part
- Assembly part
- Damaged part

MATERIAL COLORS

- Glass
- Textile
- Plastic

HOW TO MANIPULATE THE IMAGE:

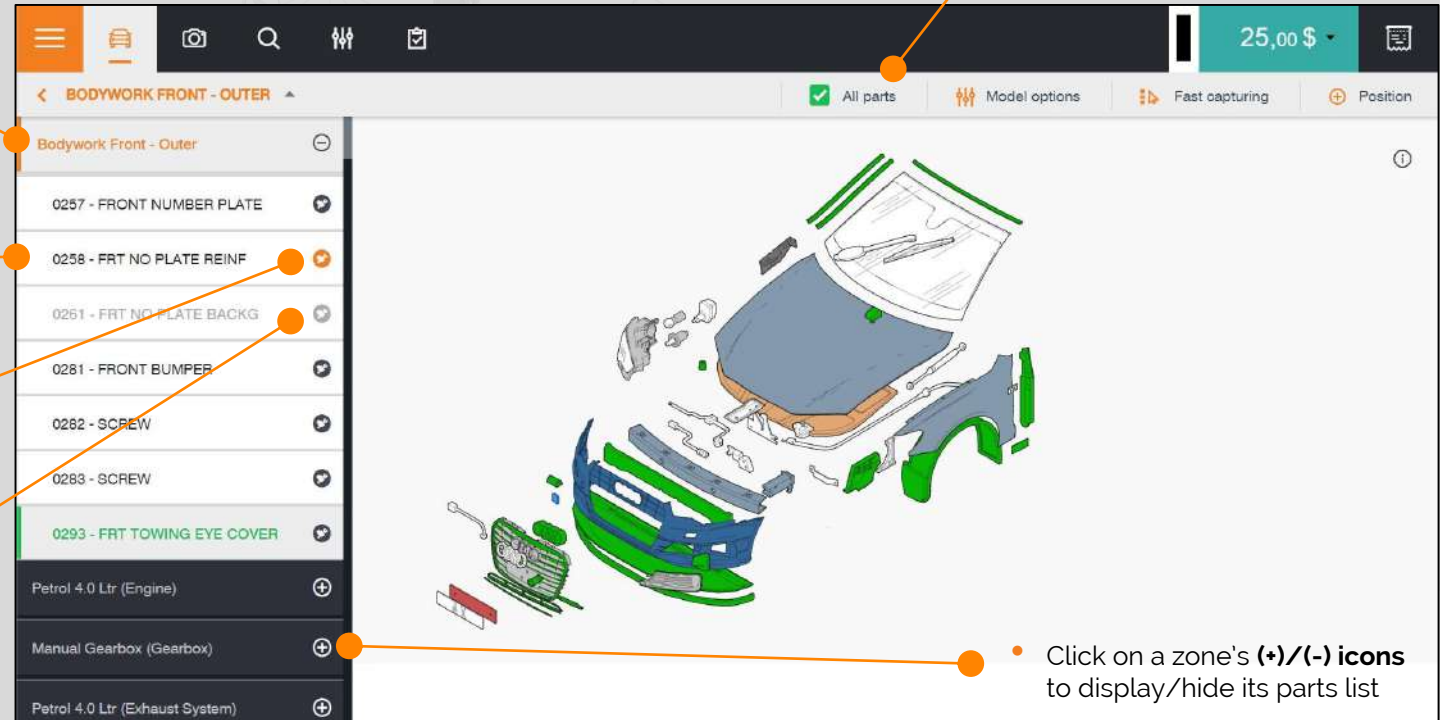
- Left click and drag to move the image (2D mode)
- Left click and drag to rotate the image (3D mode)
- Right click/two fingers and drag to move the image (3D mode)
- Double click on a part to isolate it (3D mode)
- Mouse wheel/pinch in/pinch out to zoom in/zoom out

3.2 NAVIGATION TREE

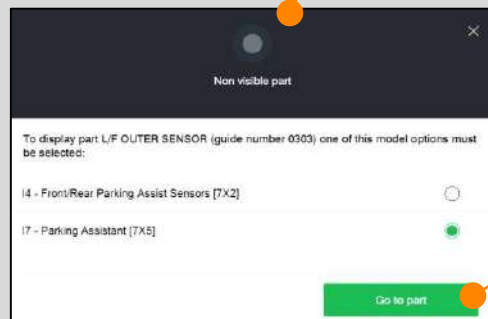
The navigation tree allows **direct navigation between zones and parts**. It is accessible from the navigation view and the zone view when clicking on the zone-level breadcrumb.

- Check 'All parts' to list parts related to selected (black font) and non selected model options (grey font).
- Uncheck 'All parts' to list parts related to selected model options only.

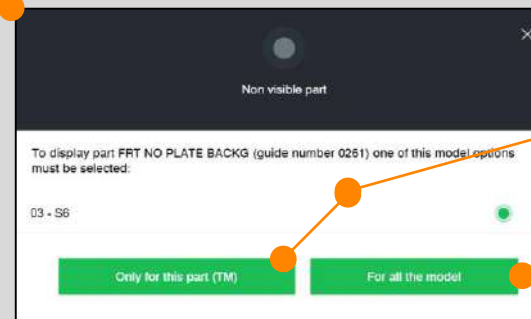
- Click on a **zone name** to display the selected zone and its parts list.
- Damaged parts display an orange repair panel icon. Non damaged parts display a grey icon.
- Click on a **plausible part** to select the part in the zone. If the part belongs to a zone different from the displayed one, part's zone will be displayed.
- Click on a **plausible part's repair panel icon** to open its repair panel. If the part belongs to a zone different from the displayed one, the part's zone will be displayed.
- Click on a **non plausible part's repair panel icon** to display a message with the model options or submodels required to make this part plausible.



- Click on a zone's **(+)/(-) icons** to display/hide its parts list



- Click on a model option to enable the 'Go to part' button. Click on **'Go to part' button** to add the selected model option to the calculation and navigate to the part or click on cross icon to close the dialog.



- Click on **'Only for this part (TM)'** button to add the part for the selected submodel and open its repair panel.
- Click on **'For all the model'** button to replace the calculation submodel with the selected one and open the part's repair panel. If there are conflicts with current positions a warning pop up is displayed.

3.3 MANUAL STANDARD POSITION

Standard, non standard and predefined non standard positions can be added manually to the calculation from this panel, as well as correction entries for positions. This functionality is available also in the [Checklist](#).

- Click on **'Standard' tab**. Introduce an existing **guide number** and its related description will be displayed.
- Click on the **repair method dropdown** to select one.
- If the selected repair method has a mandatory mutation, the mutation section will be displayed to introduce the mandatory fields.
- Click on **'Add and keep adding'** button to add the position and reset the panel to introduce a new position
- If any mandatory value is missing, the button is disabled.

- Click on **'Add position'** button to add the position and close the panel
- If any mandatory value is missing, the button is disabled.

- Click on **'Non standard' tab** to add a [non standard position manually](#).

- If the introduced guide number **does not exist**, a notification to create a correction entry is displayed

- Click on the **popup notification** to enter correction entry data.
- This functionality should only be used under advise of **Audatex** help desk

Manual standard positions and correction entries information is introduced with the [repair panel](#).

3.4 NON STANDARD POSITION

- Click on **'Non standard'** tab to access non standard positions panel.

- Optionally, select a **predefined non standard position**. In that case the position will be added automatically to the calculation.

- If no predefined non standard position is selected, position data can be added manually.

- Optional parameters:** work units, new for old, amount, group, class, and aggregate. This may vary depending on the selected method and configuration.

- The non standard position will be added to the predefined group if the related check button is selected

ADD NEW POSITION

S Standard **NS** Non standard

Select a predefined NSP

REPAIR METHODS

Replace with OEM part

Maintenance

Dent repair

Partial replace - labor

MANDATORY PARAMETERS

Guide No. 1000 Description Non standard

Spare Part 55

OPTIONAL PARAMETERS

Work Units WU New for Old %

Amount € Group

Class 1 Aggregate 9 - No aggregate

Comment

Comments

☐ Add as a predefined non standard position

clear all

Add and keep adding Add position

- Mandatory parameters:** guide number, repair method and description. This may vary depending on the selected method.

- The guide number is assigned automatically depending on the configuration.

- Click on **'Clear all'** icon to clear all fields in the panel

- Click on **'Add and keep adding'** button to reset the panel to introduce a new position and refresh the background checklist with the new position

- Click on **'Add position'** button to close the panel and refresh the checklist with the new position

3.5 PREDEFINED NON STANDARD POSITIONS

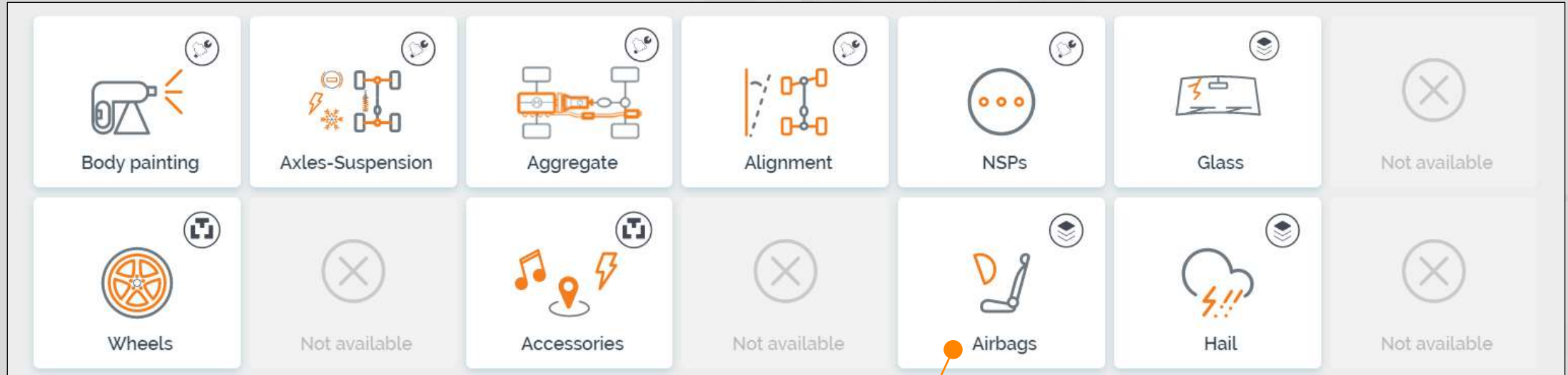
Predefined non standard positions are a set of user's positions available for different calculations. They are created by the user or the organization/partnership to which the user belongs.

- To manage predefined non standard position click on **'Select a predefined NSP'** option in the 'Non standard' tab.
- This view will be empty if no predefined position is defined. Otherwise it will display all predefined non standard positions.
- Type a guide number or description in the **search box** to search predefined positions.
- Click on **'Filter'** option to display a window with all the possible filter values for the predefined list.
- Click on the **eraser icon** to clear search results.
- Click on **(+)** icon to select one or more predefined positions.
- Click on a **position's 3-dot icon** to display a **contextual menu**:
 - Edit**: opens the repair panel with the position's content. All changes applied will be saved in the position.
 - Delete**: removes the position from the predefined list.
- Click on **'Cancel'** button to close the predefined non standard positions window and return to the parent panel..
- Click on **'Done'** button to close the predefined non standard positions window and add all selected non standard positions to the calculation.

Predefined non standard positions						
Search						
Description	Repair method	Spare	More info		Group	
Custom description Guide n°: 1001	Replace with OEM part	Custom spare	Working units New for old Amount	- - 123EUR	Aggregate Class	9 1
Predefined 1 Guide n°: 1000	Replace with OEM part	1	Working units New for old Amount	66 - -	Aggregate Class	9 1
R. painting Guide n°: 1002	Repair painting	5524	Working units New for old Amount	2 - -	Aggregate Class	9 1

3.6 PICTOGRAMS

Pictograms are **visual shortcuts to special operations** available for the calculation that cannot be reached through standard navigation such as wheel design, glass, maintenance and repair, or alignment. They can be found in the navigation view and several zones.



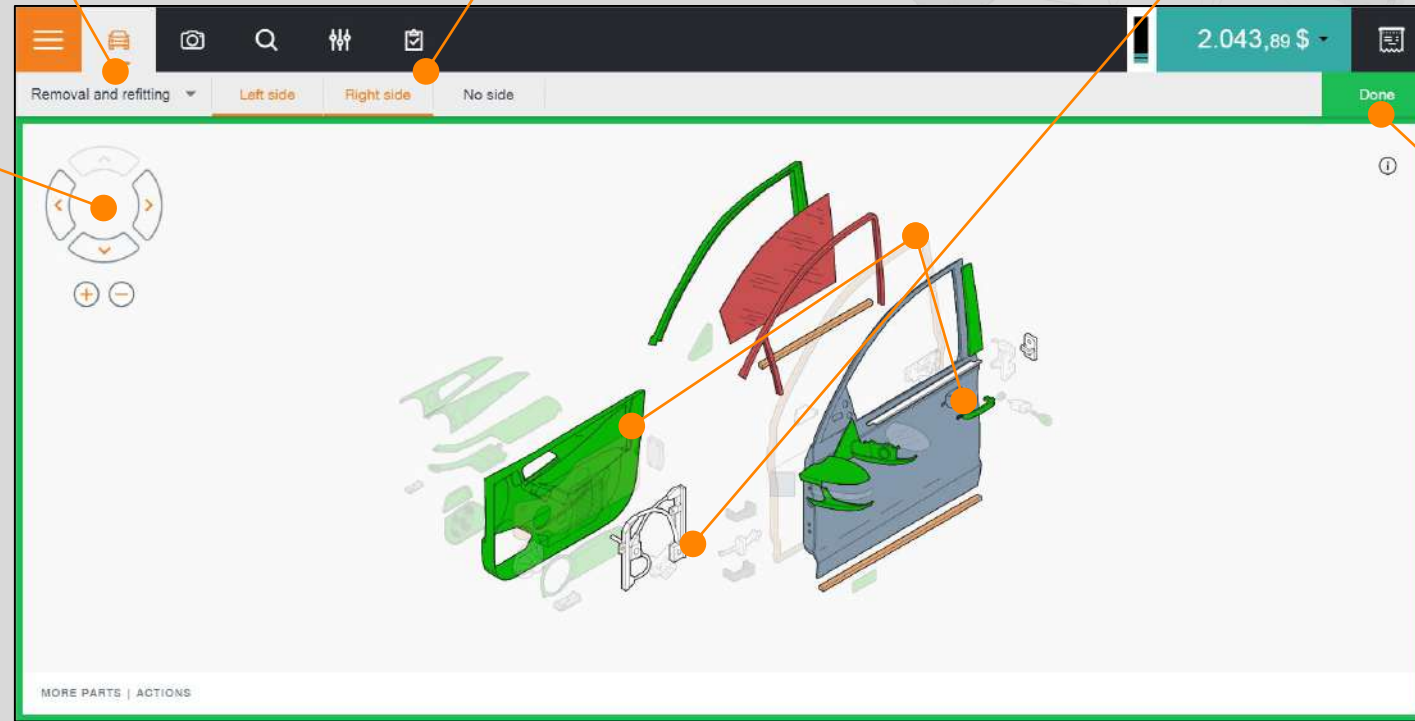
- The amount and type of pictograms depends on the **model and zone**. If a pictogram is not available for the current model it will be disabled as 'Not available'.
- Pictograms are categorized in three groups depending on the upper right icon: **parts, icons, and system**.

- Click on a pictogram to activate it. Depending on the view:
 - In the navigation view: another zone is displayed (e.g. Hail)
 - In a zone: the repair panel is displayed (e.g. wing holder)

3.7 FAST CAPTURING MODE

Fast capturing mode **allows applying the same operation to several parts** without opening the repair panel for each and every of them.

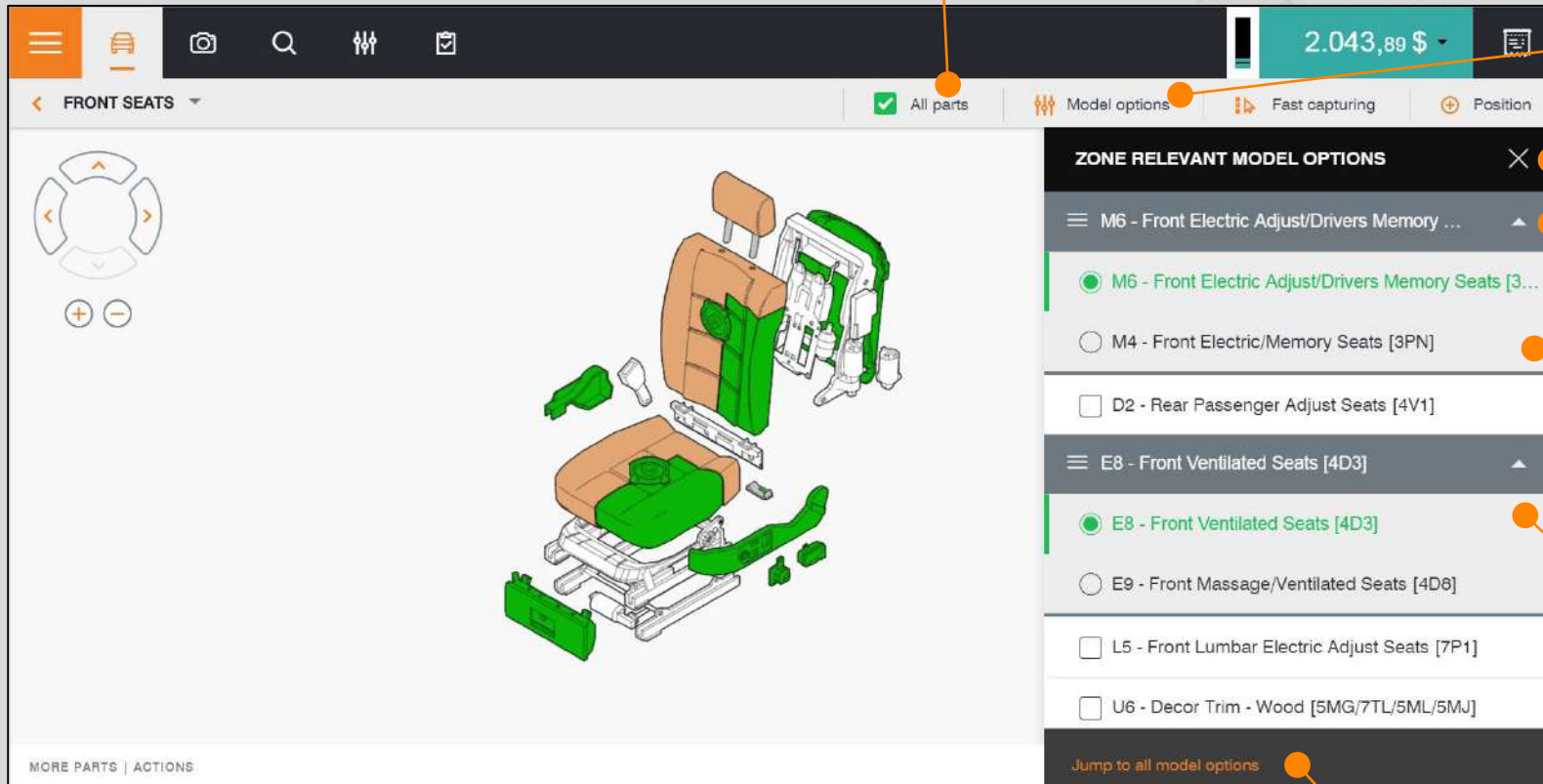
- Click on the **repair methods dropdown** to select the repair method to apply. The graphic is refreshed disabling all parts incompatible with the selected repair method.
- Click on the **part side** desired. The graphic is refreshed disabling all parts incompatible with the side selection and method made.
- Once repair method and side are selected, **click on any part** to add it to the calculation.
- Click on the part again to remove it from the calculation
- Click on the **navigation arrows** to navigate to a new zone.
- Click on **'Done'** button to quit fast capturing mode and return to the last active zone.
- Repair method and sides can be changed while in fast capturing mode. Previously added damages are **kept in the calculation**.



3.8 ZONE MODEL OPTIONS

The zone model options panel display the model options that affect the **current zone**. Changes applied in the panel refresh the zone graphic.

- Check **'All parts'** to display non selected model options in a group (grey font) when a group model option is selected.
- Uncheck **'All parts'** to hide non selected model options in a group when a group model option is selected



- Click on **'Model options' button, the X icon or in the zone** to close the model options panel.

- Click on a **model options group header** to fold/unfold its content.

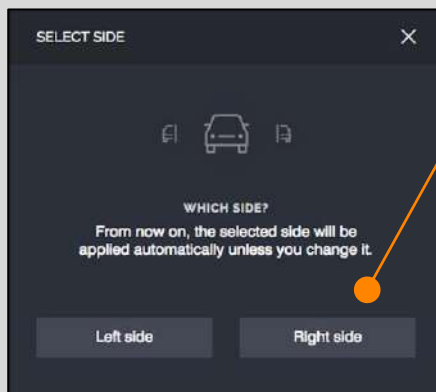
- Click on a **model option** to add it to the calculation and disable non compatible model options.
- If there is a conflict with an existing model option a conflict popup will be displayed.

- Click on a **selected model option** to remove it from the calculation.
- If there are positions depending on that model option a conflict pop up will be displayed

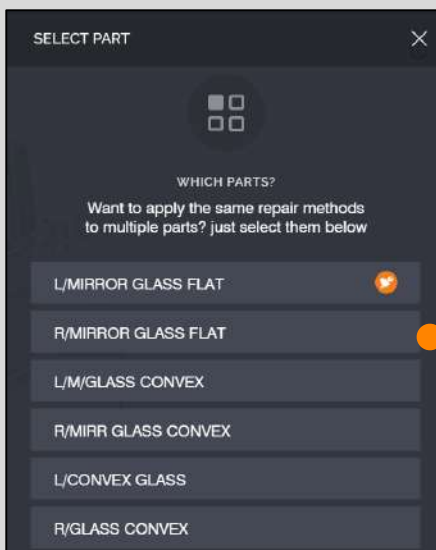
- Click on **'Jump to all options'** link to go to the [model options](#) section

4. REPAIR PANEL

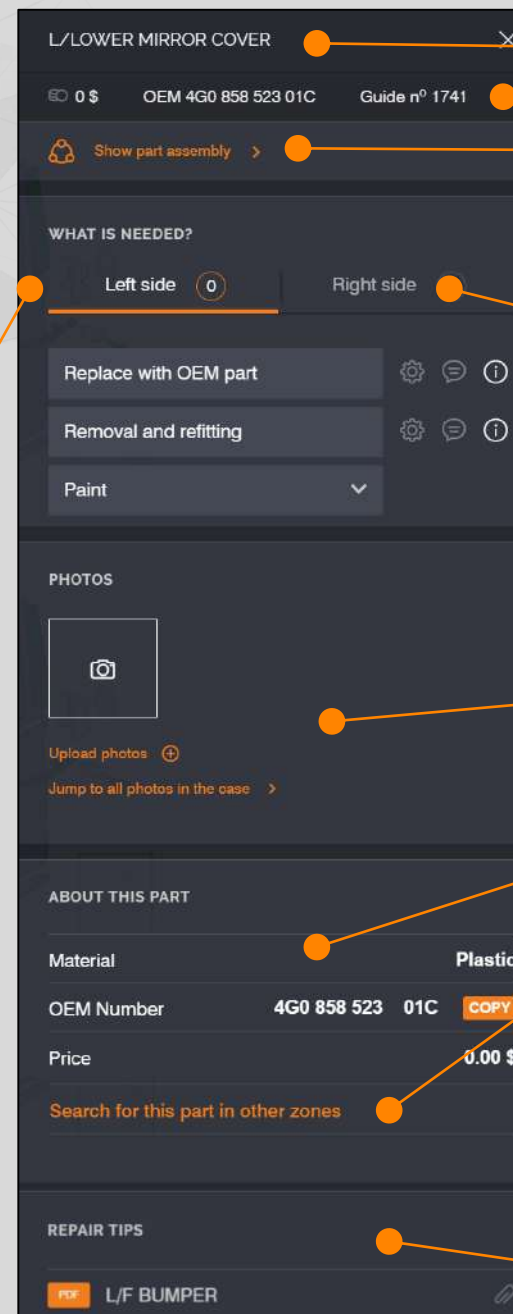
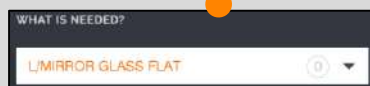
The repair panel **manages all the information and operations** for a part or pictogram.



- For two sided parts, side must be selected. **The last side selected is remembered.**
- To switch laterality afterwards, click on the **upper tabs** 'Left side' and 'Right side'.



- Some parts may include other parts when selected. If **multi-parts** is available, the list of parts is displayed in the repair panel.
- Click on a part to open its repair panel. Damaged parts display an orange repair panel icon.
- To switch parts, click on the **dropdown** in the repair panel (displayed instead of the side tabs).



Header: Part name, price, OEM number, and guide number

Part assembly: click to display the assembly tree related to the part



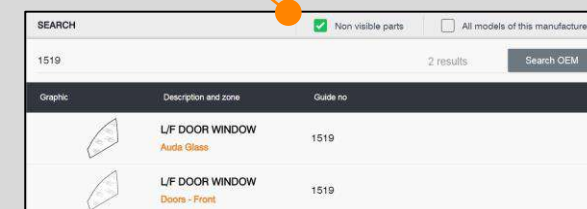
Operations per side and side switching or dropdown for multiple parts.

Repair methods section: operations, mutations, comments, and tips

Photo section

Additional info section

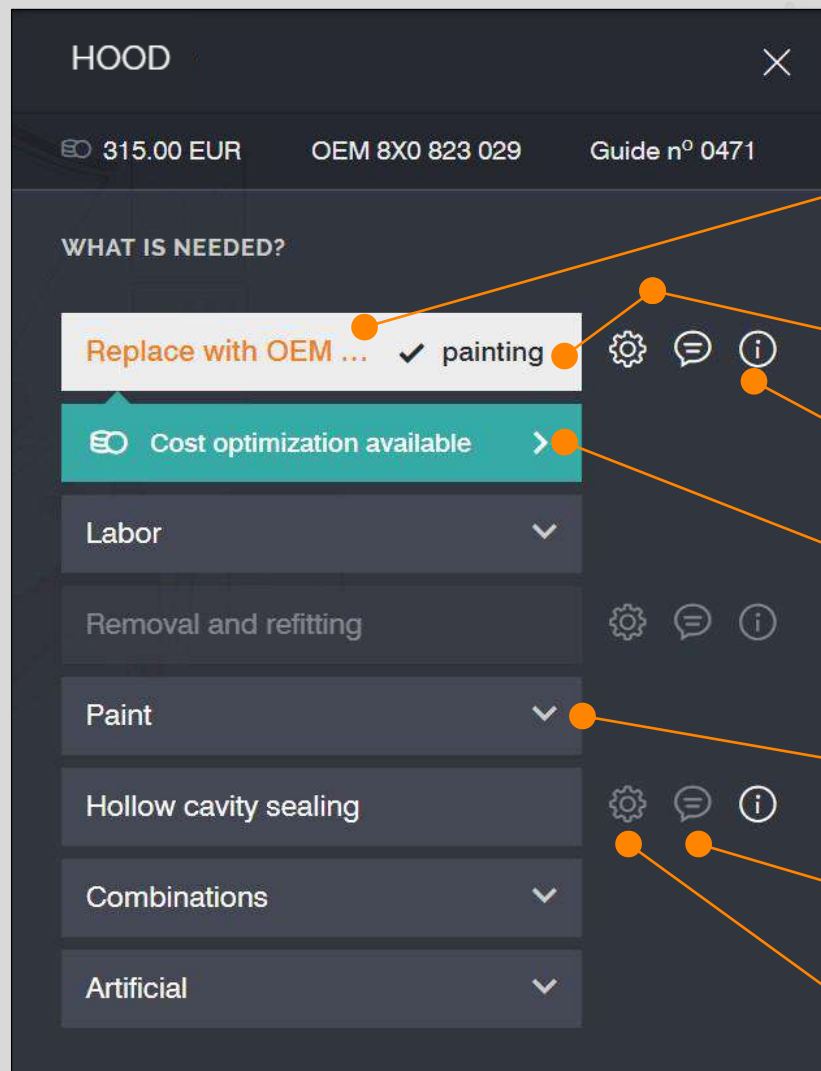
Multiple zones link: click to search the part in other zones



Repair tips section

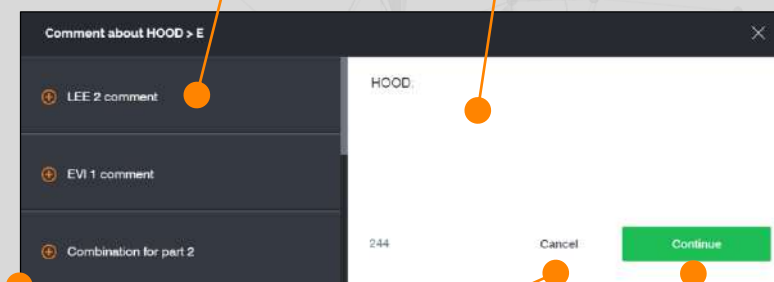
4.1. ADDING POSITIONS

All the available operations for the part/pictogram are displayed in the repair panel. There are **single operations and grouped operations**.



- Click on a **repair method** to select/unselect it.
- If the selected method has a mandatory mutation, [mutations panel](#) is displayed.
- If the selected operation has **automatic painting**, a tick is displayed.
- Click on info icon to display the method tooltip.
- If there is a **cost optimization available**, a notification is displayed. Click on it to open the [optimization panel](#).
- Click on a **group** to display/hide its repair methods.
- Click on the **comment icon** to display the comment window.
- Click on the **cog wheel icon** to display the [mutations panel](#) once the method is selected.

- Click on a **predefined comment** to copy it in the text field.
- Introduce/modify a comment in the **text field**.



- Click on (x) icon or '**Cancel**' button to close the comments panel without saving changes.
- Click on '**Continue**' button to add/change the comment and close comments panel.

4.2. MUTATIONS PANEL

Mutations **allow modifications in an operation behavior** adding certain values. These values depend on the selected operation and the configuration.

For repair methods with mandatory mutations the mutation panel will be displayed **automatically**.

The mutations panel can be displayed any time by clicking on the **cog wheel icon** next to the repair method and selecting '**Mutations**' tab (if available).

There can be several **tabs** displayed in the mutations panel. The available tabs, depending on the configuration, are:

- **Mutations:** tab with all available mutations for the selected operation
- **Parts composition:** tab with the parts, WU and price included by the selected part
- **AZT Repair formula:** tab with the AZT formula parameters for repair operations
- **Hail formula:** tab with the Hail formula parameters for dent repair
- **IRE (Intelligent repair estimator):** tab with the graphical tool to capture repair damages through drawings

- Click on the **back arrow or (x) icon** to return to the repair panel.

The screenshot shows the 'Mutations' tab of the repair panel. It features two columns of input fields for various mutations, each with an information icon (i). The fields include 'New for old' (percentage), 'Fixed labor 10WU/hour' (WU), 'EM - Part price mutation' (\$), 'IM - Labour price mutation (...)' (\$), 'MM - % increase on manufa...' (%), 'WM - % discount on manuf...' (%), 'XM - VAT for used Parts' (\$), and 'BM - Spare part price mutat...' (\$). At the bottom, there is a 'Change type(TM)' section with a 'Submodel code' input field and a 'Select from list' link. A large green 'Continue' button is at the very bottom. Orange dots and lines point from the text annotations to specific UI elements: the back arrow, the 'WU' field, the 'i' icons, the 'Select from list' link, and the 'Continue' button.

- Click on '**Continue**' button to add the operation with the introduced mutations to the calculation.

- Click on a field to **introduce a value**. If an entered value is not valid, a notification will be displayed.

- Click on an **info icon** to display a tooltip about the mutation

- Click on '**Select from list**' link to open a pop up with a list of all selectable model options for the submodel change mutation.

- Once all mandatory fields are introduced, the '**Continue**' button will enable.

This screenshot shows a pop-up window titled 'TM submodel and model options'. It contains a list of submodels under the heading 'SUB MODELS'. The list includes '01 - A6', '03 - S0' (which is highlighted with a green dot), '04 - Sport Selection [WGC]', '20 - A6 Ultra', and '26 - A6 Competition'. Below the list are sections for 'BUILD DATES' and 'MODEL'. At the bottom, there are 'Cancel' and 'Continue' buttons. Orange dots and lines point from the text annotations to the 'Continue' button in the main panel and the 'Continue' button in this pop-up.

4.3. PARTS COMPOSITION

The part composition panel displays information about the triggered parts, including price and labor.

Click on **Parts Composition tab** to access parts composition (when available).

Main part	Price
WINDSHIELD	0.00 \$

Extra parts	Price
<input checked="" type="checkbox"/> APPLICATOR	0.00 \$
<input checked="" type="checkbox"/> RAIN SENSOR FOIL	0.00 \$
<input checked="" type="checkbox"/> CUTTING FILAMENT	0.00 \$
<input checked="" type="checkbox"/> CLEANING SOLUTION	0.00 \$
<input checked="" type="checkbox"/> WINDSHIELD BOND KIT	0.00 \$

Work composition	WU	Price
R + R COWL TRIM (WIPER ARMS REMOVED)	3	75,00 \$
R + R COWL PANEL COVER	2	50,00 \$
RENEW FRONT SCREEN INCLUDES: R + R A-PILLAR TRIMS, INTERIOR MIRROR, WIPER ARMS AND COWL TRIM	20	500,00 \$

Show less

Continue

Click on the **back arrow or (x) icon** to return to the repair panel.

'Main part' is always selected.

Mandatory extra parts can not be unselected.

Click on the **parts checks** to select/unselect the parts that should be included/removed in the operation.

Click on **'Continue'** button to update the calculation with the selected parts.

4.4. AZT REPAIR FORMULA

AZT repair formula is available for repair operation. It acts as a mutation calculating the working labor through a formula.

Click on **AZT Repair formula tab** to display the AZT formula panel (when available).

DAMAGE AREA

☒ Area ☐ Width and Height

Squared dm

DIFFICULTY

Level ☐ Easy ☒ Medium ☐ Difficult

PREPARATION TIME

Working Units ☒ 2WU ☐ 7WU

Total Working Units 10 WUs

Continue

Click on a **field** to introduce a value or on a **radio button** to select a fixed value.

If an entered value is not valid, a notification will be displayed.

Once all mandatory fields are introduced the total working units are displayed and **'Continue'** button will enable.

Click on **'Continue'** button to add the position to the calculation with the resulting working units.

4.5. HAIL FORMULA

Hail repair formula is available for **dent repair operations**. It acts as a mutation calculating the working hours/cost through a special localized formula with a defined interface.

Click on **Formula tab** to display Hail formula panel (when available).

Repair parameters

Formula Manual Work Units Manual Price

Hail-Expert

DAMAGE ORIENTATION

☒ Horizontal ☐ Vertical

Number of dents Dent Size

15 30

FINISH AND EXTRAS

Finish-work per Part (3.0 WUs) ☐

25% WU markup for Alu.-Parts ☒

Onetime Setuptime per Vehicle (7.2 WUs) ☐

30% WU Discount for "Push and Paint" ☐

Total WU's 28.8

Press

- Click on **back arrow or (x) icon** to return to the repair panel.
- Values can also be added manually through 'Manual Work units' or 'Manual price' tabs.
- Introduce a value or mark a radio /check button to select a value. If a value entered is not valid, a notification will be displayed.
- Once all mandatory fields are introduced, the total working units are displayed and 'Continue/ Press/ Pre-press' button will enable.
- Click on 'Continue/ Press/ Pre-press' to add the dent repair operation with the resulting working units to the calculation.

4.6. COST OPTIMIZATION

Cost optimizations are proposed by the application when a different repair method offers a better cost, or to evaluate the possibility to obtain better quality than with the selected one.

The optimizations defined are:

- Propose repair when replace is selected
- Propose replace when repair is selected
- Propose replace when dent repair is selected

The cost optimization panel displays information about the cost of the selected method and the proposed method. If a replace operation was selected, a field to add work units is displayed in order to evaluate the repair optimization.

E to I Optimisation

The replacement cost (work units + spare part) for 0471 HOOD exceeds 0 \$

Replacement Cost 250 \$

Repair Cost 10 Work Units (10 WU/h)

Alternate Work Units Description

Alternate Work Units 7 WU

Keep Replace Switch to Repair

- Click on **back arrow** to return to the repair panel without applying the optimization
- When Repair is proposed, working hours must be set.
- Click on 'Keep' button to add the **selected method** to the calculation.
- Click on 'Switch' button to add the **proposed method** to the calculation.

4.7. IRE (Intelligent repair estimator)

IRE is a repair module designed for calculating working hours/cost through drawings over the part. It can also propose **additional parts** to consider given the shape of the drawing. Its data is based on the outcome of unmount all outer metal/plastic parts for country models and analyze the effects of applying different repair operations.

Click on **Intelligent Repair Estimator tab** to isolate the part and display the IRE module (when available).

The screenshot displays the IRE interface. On the left, a yellow car door is shown with a red line indicating a damage path. Below the drawing are two buttons: 'Close shape' and a trash bin icon. On the right, a dark-themed panel titled 'Repair parameters' contains the following sections:

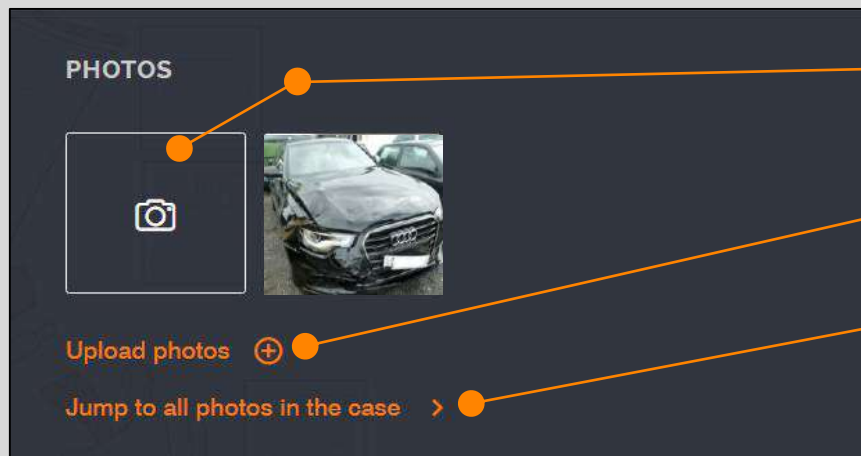
- Mutations:** A tab labeled 'Intelligent repair estimator'.
- ADJUST DAMAGED AREA:** Includes minus and plus buttons, a slider, and a value of '3 square decimeters'.
- LEVEL OF DAMAGE:** Radio buttons for 'Low', 'Medium', 'High' (selected), and 'Paint'.
- ADDITIONAL OPERATIONS:**
 - Recommended:** A list containing '1711 - L/F DOOR TRIM'.
 - To consider:** A list containing '1481 - LEFT FRONT DOOR', '1519 - L/F DOOR WINDOW', and '1547 - L/F WINDOW REGULATOR'.
- Continue:** A green button at the bottom.

Annotations with orange dots and lines point to various elements:

- Draw a closed or open shape in the part to add damage.
- Once a new shape is drawn or a shape is selected, IRE panel displays the related data.
- Several damages can be added to a part.
- Click on **'Close shape'** button with an open drawing selected to connect the ends.
- Click on **trash bin icon** with a drawing selected to remove it.
- Click on **back arrow or (x) icon** to return to the repair panel.
- Click on **(+) and (-) buttons** to increase/decrease the area of and open shape.
- Click on the radio buttons to select **level of damage**: low, medium, high, paint and crack (for plastic parts).
- The color of the selected shape will be refreshed.
- Click on a **recommended operation** (if any) to add it as a refitting position or to remove it from the calculation.
- Click on a **considered operation** (if any) to add it as a refitting position or to remove it from the calculation.
- Click on **'Continue'** button to add/remove the damages drawn and the selected positions to the calculation with the resulting working units/cost.

4.8. PHOTO SECTION

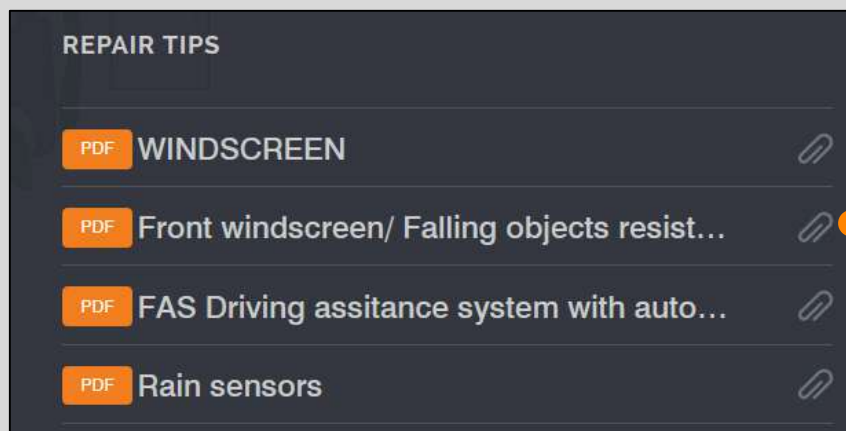
All photos related to a part are displayed in the repair panel. Photos can be taken and/or uploaded depending on the browser and the device. Part photos can be managed in the photo viewer menu option too.



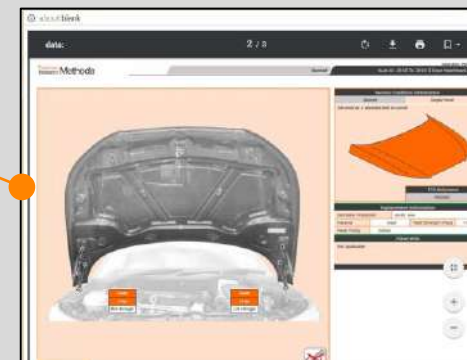
- Click on **camera** icon to enter camera mode and take a photo. Added photos will be displayed in the photo section.
- Click on **'Upload photos'** link to upload a photo from the device storage.
- Click on **'Jump to all photos in the case'** link to navigate to the Photo Viewer section.
- For further information about photo management and its options, please check [the photo viewer section](#).

4.9. REPAIR TIPS SECTION

Some parts can display information provided by the **manufacturer or external suppliers** (AZT, AIRC, Thatcham) with specific instructions about the part or its related repair methods (when available). This information is usually provided as a pdf document or through the provider platform.



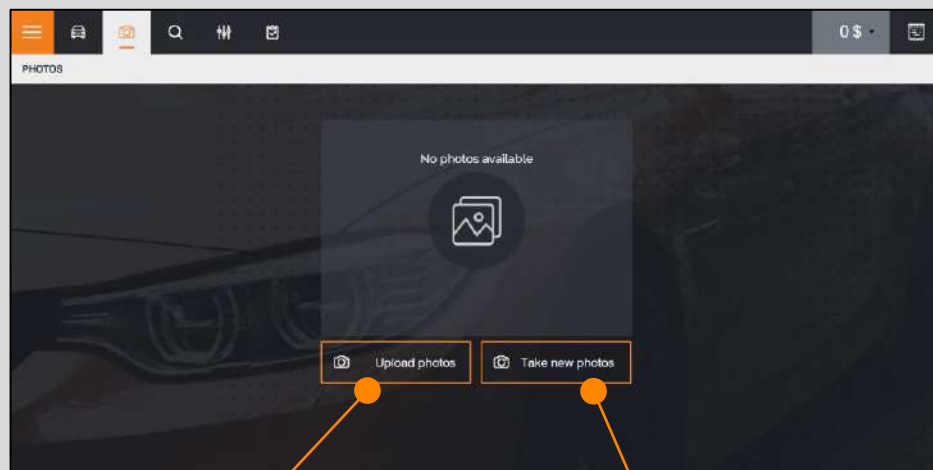
- Click on a **repair tip** clip to open it. A new window is opened displaying the document or a login page.



5. PHOTO VIEWER

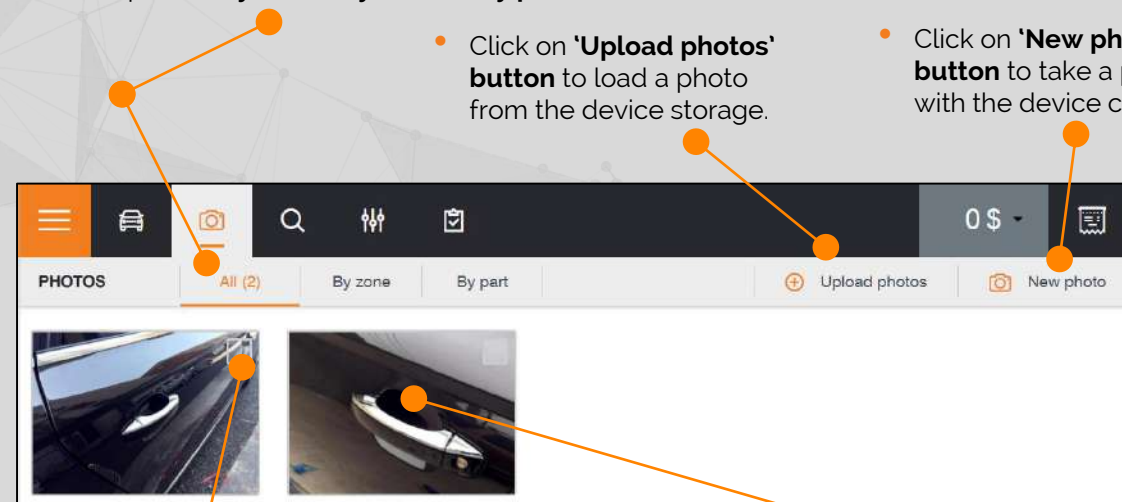
The photo viewer section **manages all the photos included in the calculation.**

If there are no photos attached to the case, **'Upload photo'** and **'Take new photo'** are the only available options (depending on browser and configuration).



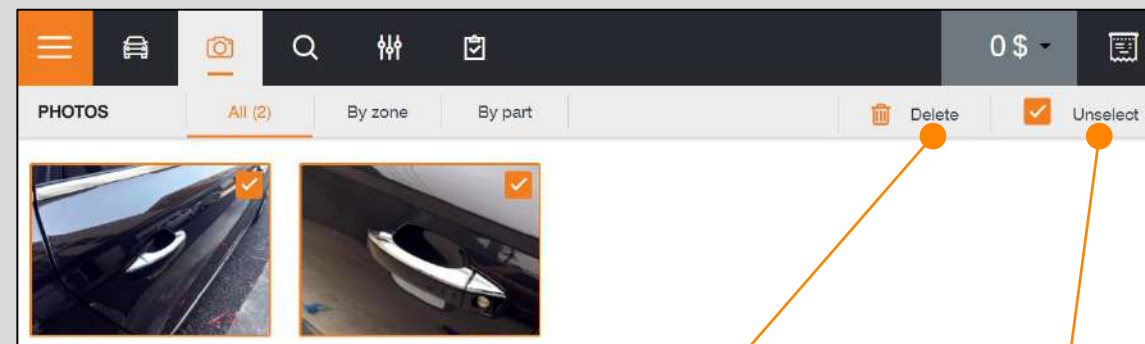
- Click on **'Upload photos'** button to [upload a photo](#) from the device storage.
- Click on **'Take new photos'** button to [take a photo](#) with the device camera.

If there are photos, all case photos are displayed by default. Upper tabs display photos **by claim, by zone or by part.**



- Click on **'Upload photos' button** to load a photo from the device storage.
- Click on **'New photo' button** to take a photo with the device camera.

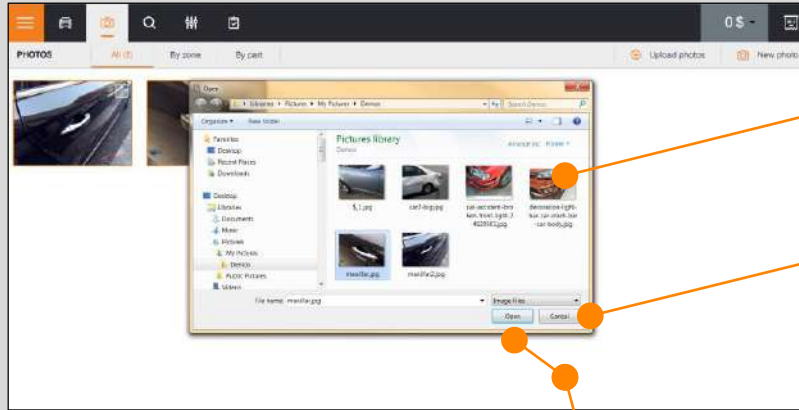
- Click on a **photo's selection field** to select the photo. More than one photo can be selected. Click on the field again to deselect it. Once a photo is selected, **'Delete'** and **'Unselect'** options are displayed.
- Click on a **photo** to [edit](#) it.



- Click on **'Delete'** option to delete all selected photos.
- Click on **'Unselect'** option to unselect all selected photos.

5.1. UPLOAD PHOTO

Photo uploading is the default photo addition method. For devices without camera or running IE 11 it is the only method.



- Select one or more **photos** in the system browser.
- Click on **'Cancel'** button to close the browser without uploading any photo.
- Click on **'Open'** button to upload the selected photos. These photos will be displayed in the **'All'** tab.

5.2. TAKE PHOTO

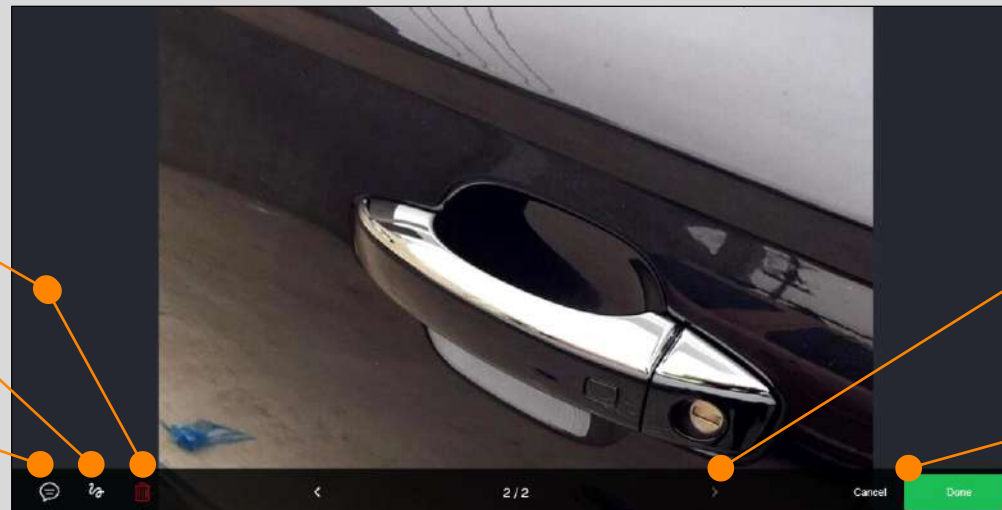
Photo shooting is only available for devices with a camera and running a browser different from IE 11. These devices offer taking and uploading photos.



- Click on **exit icon** to quit camera mode.
- Click on **flip icon** to switch rear/ front camera (if available)
- Click on **camera button** to take a photo. A white flash will be displayed. Several photos can be taken in camera mode.

5.3. EDIT PHOTO

Photo editing displays a **full screen preview of the photo** and editing functionalities.

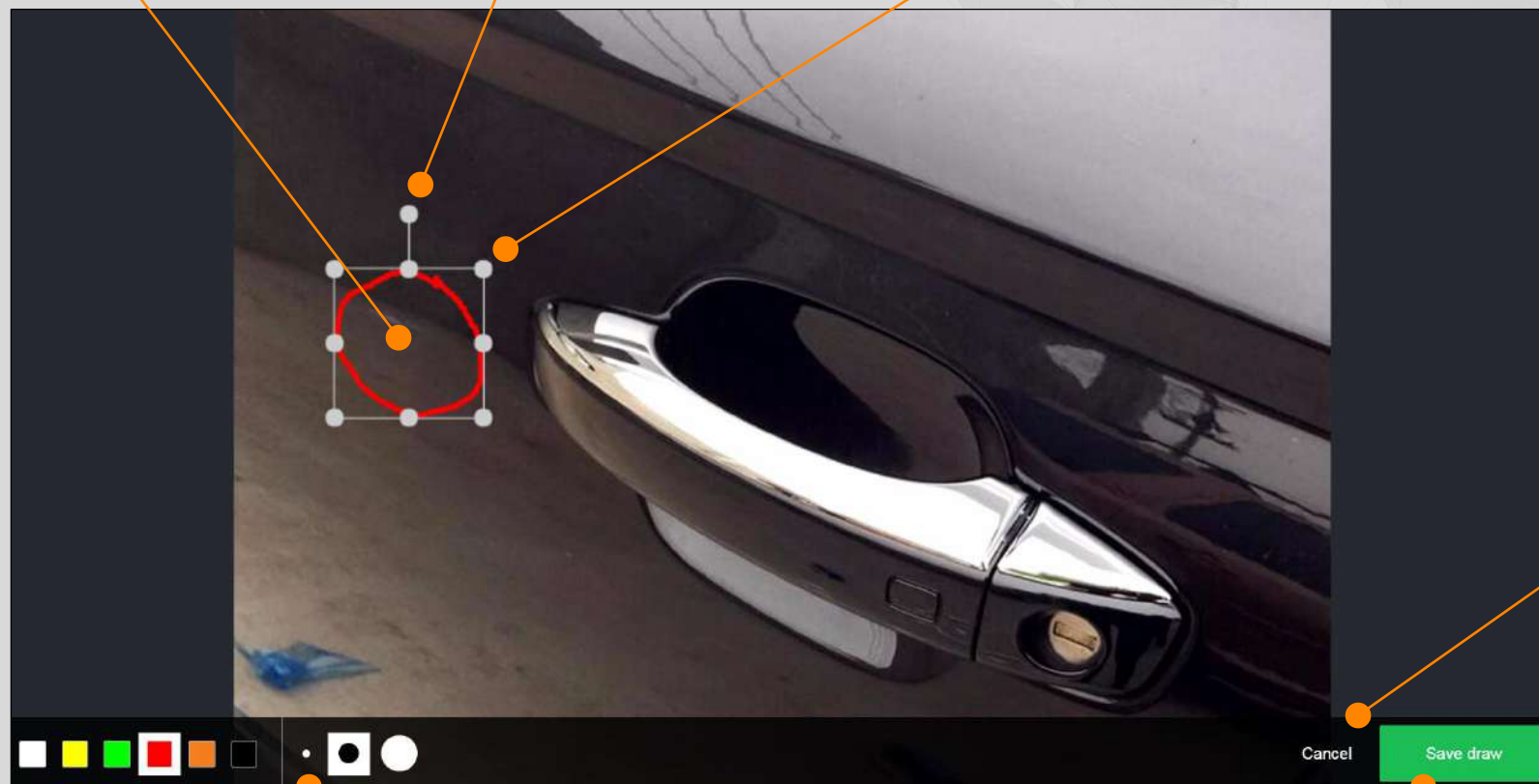


- Click on **trash bin icon** to delete the photo.
- Click on **drawing icon** to enter [drawing mode](#)
- Click on **comment icon** to add/modify the photo comment.
- Click on **left/right arrows** to navigate between photos.
- Click on **Cancel/Done** buttons to quit editing mode.

5.4. DRAWING MODE

The drawing mode allows **adding drawings to a photo** with different brush sizes and colors. All changes are stored in a new photo.

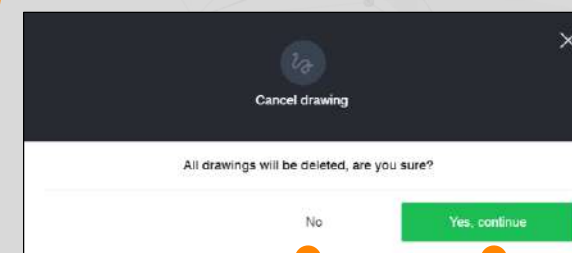
- Click and drag on the photo to draw a shape.
- Click and drag the outer dot to rotate the drawn shape
- Click and drag the inner dots to increase/ decrease the drawing area



- Select a color and a brush size to start drawing.
- Red color and medium brush are selected by default
- Color and brush can be changed between drawings

- Click on **'Save draw'** button to exit drawing mode and save all drawings in a new photo.

- Click on **'Cancel'** button to exit drawing mode. A confirmation popup will be displayed



- Click on **'No'** button to return to drawing mode.
- Click on **'Yes, continue'** button to exit drawing mode without saving changes

6. PART SEARCH

Through this menu option **parts can be searched by guide number, description, or OEM number.** Damages can be added to the calculation directly from the searching results.

- Type a **guide number or a description** to trigger a search automatically.

- Only OEM Search is triggered with the right button.

- Click on **zone name link** to go to the zone and open part's repair panel (for plausible parts).

- Click on '**Back to search**' or close icon to return to the search results.

- Info related to the part can be added or modified through its repair panel

- Click on '**Non visible parts**' checkbox to display parts related to non selected model options in the results.

- Type an OEM number and click on '**Search OEM**' button to trigger an OEM search. This search can use '**Non visible parts**' and '**All models of this manufacturer**' options.

- Additional columns OEM number and Model & Submodel are displayed for OEM searching.

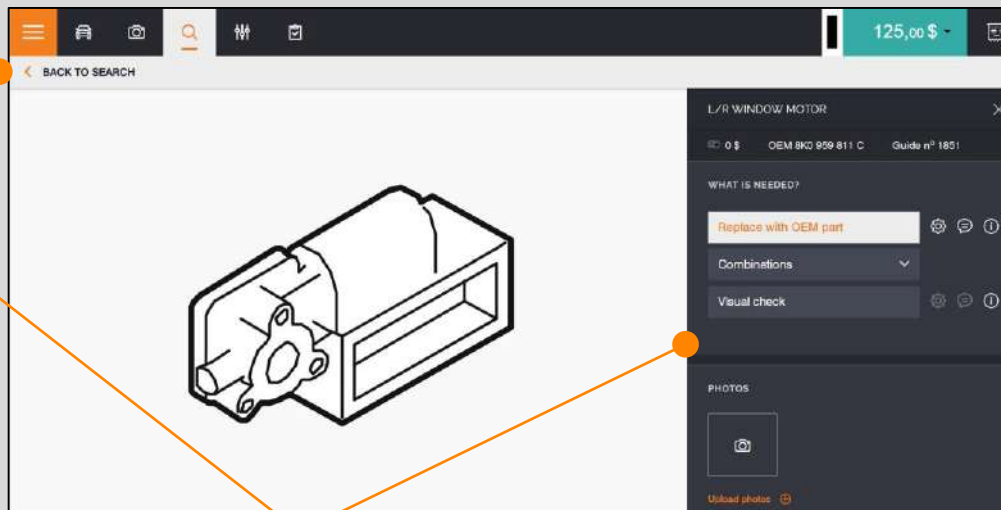
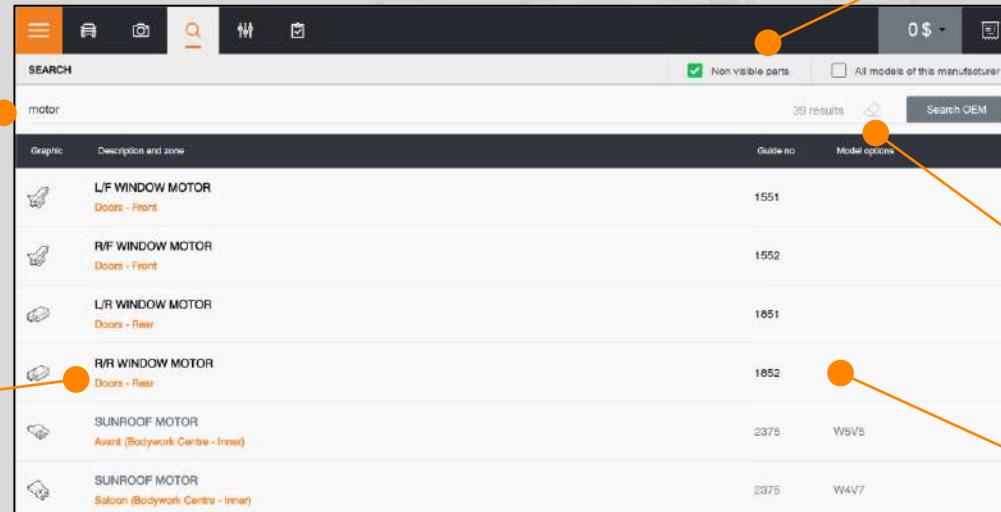
- Click on the **eraser icon** to clear search results.

- Click on a **resulting part**:

- If the **part belongs to the calculation model** then the part is displayed isolated with its repair panel opened.

- If the **part is non visible** (grey) then a warning indicating which model option is required to select the part is displayed. A listed model option can be added to the calculation to access the part.

- If the part belongs to **another model from the same manufacturer** (only OEM search) then a warning indicating which model/submodel is required to select the part is displayed. Model can be added as a TM mutation.



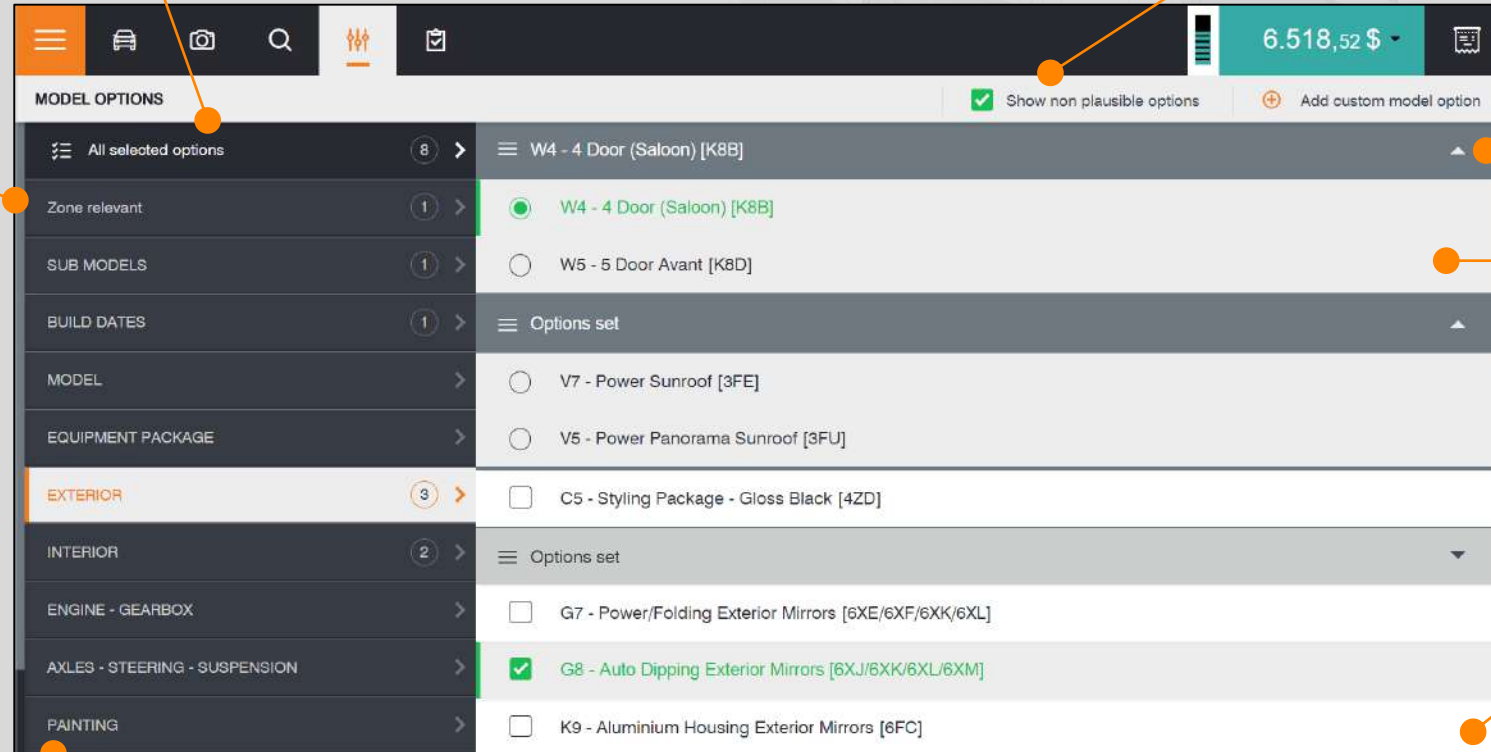
7. MODEL OPTIONS

This menu option manages all the **model options by groups**: selected model options, zone relevant model options, selectable model options, paint model options, and predefined model options.

- Groups are displayed in the left column. Click on a group to display its model options.

- Select '**Show non plausible options**' check button to display all non compatible model options currently hidden. This selection applies to all groups.

- Zone relevant group:** Contains the model options related to the current zone.
- Some zones may not have model options.
- It has the same content as [zone model options](#)



- Click on a **subgroup** header to fold/unfold its model options.

- Click on a subgroup **model option** to add/remove it from the calculation.
- The selected model option is displayed in the subgroup header

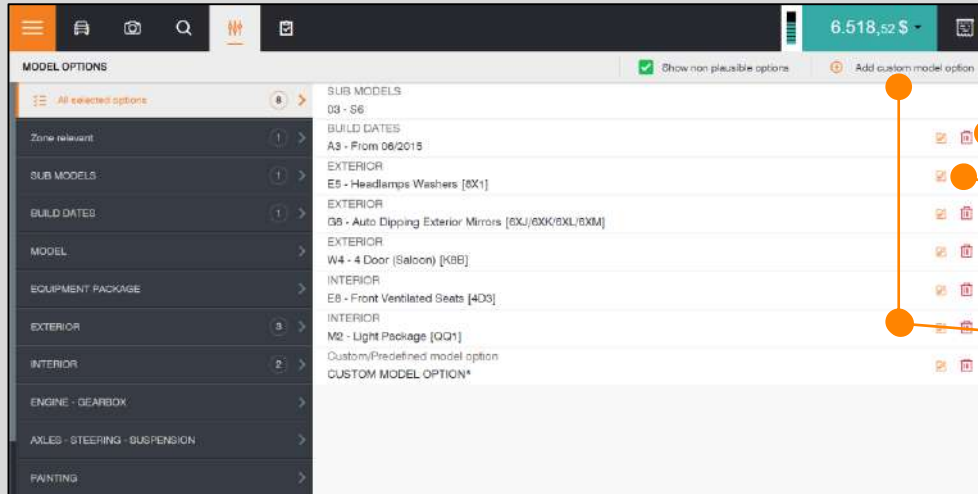
- Standard group:** Contains the model options related to a specific group (engine, interior, exterior, paint...).

- Click on a single **model option** to add/remove it from the calculation.

- Selected model options are added to All Selected options group
- Removed model options are removed from All Selected options group
- Warning messages are displayed when:
 - The user selects a model option that has conflicts with an already selected one
 - The user removes a model option that has dependent positions

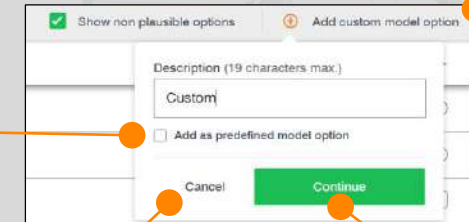
7.1. ALL SELECTED OPTIONS

This group contains the **model options currently included in the calculation**. It is always displayed in first position.



- Click on **trash bin icon** to remove a model option from the calculation. Removed model options are available again in their related group. Submodel can not be removed.
- Click on **edit icon** to rename a model option. Renamed model options are displayed with an asterisk. Submodel can not be renamed.
- Click on '**Add custom model option**' button to display the custom model options panel.

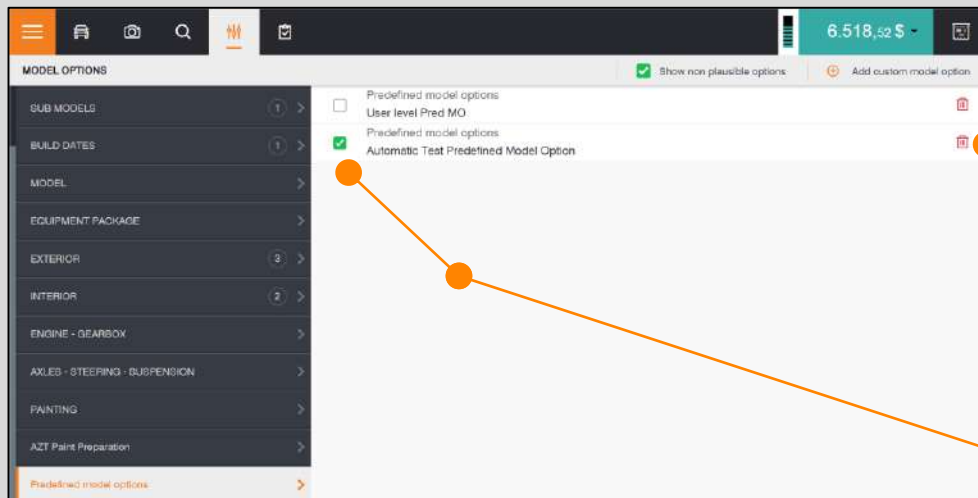
- Select this checkbox to **create a predefined model option** instead of a custom model option.



- Click on '**Cancel**' button to close the custom model option panel.
- Click on '**Continue**' button to add the custom/predefined model option to the calculation.
- Custom model options are marked with an asterisk. These options have no effect in the calculation.
- Predefined model options are added to the Predefined group.

7.2. PREDEFINED MODEL OPTIONS

This group contains model options at user/organization level that can be reused in several calculations.



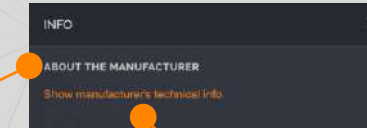
- Click on **trash bin icon** to remove a model option from the calculation and from the user's list.
- Organization level predefined model options can't be deleted.
- Select a **predefined model option** to add/remove it from the calculation.

7.3. PAINT SYSTEM MODEL OPTIONS

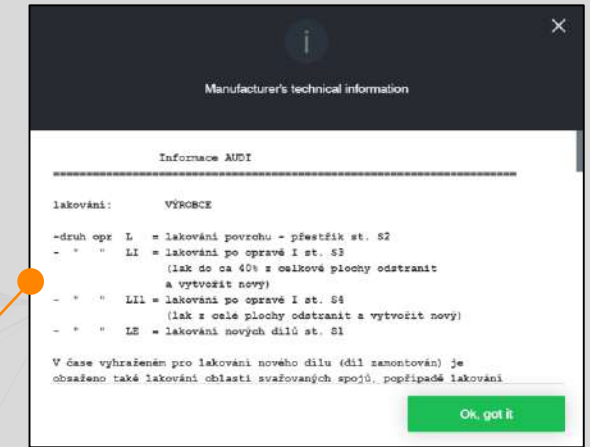
This group contains specific model options and info for the selected paint system.

The content and group name is different depending on the paint system selected:

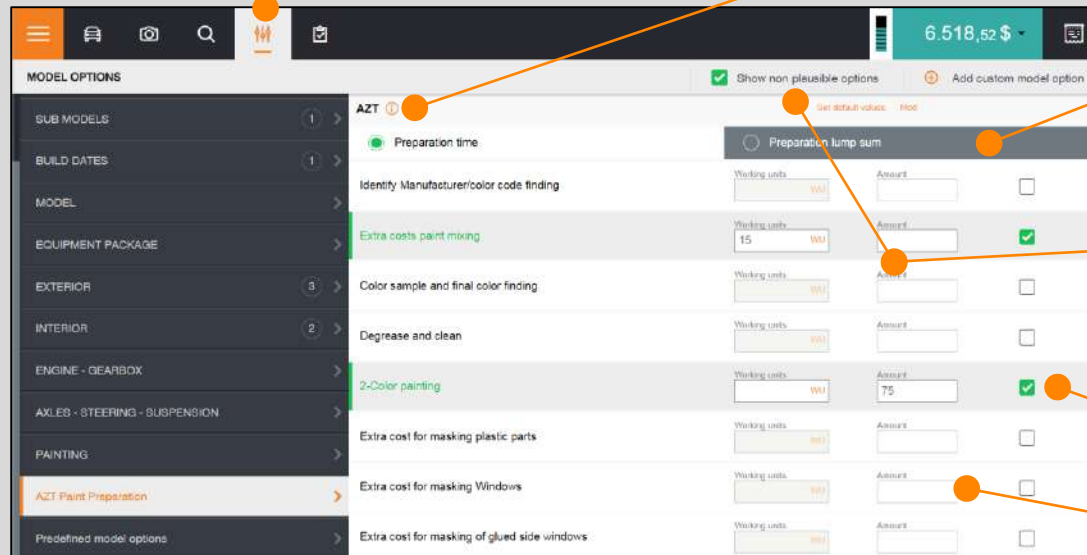
- **Manufacturer:** Contains paint info about the vehicle manufacturer. This info is accessible from the info panel in zone navigation and zone view.
- **Cesvimap (Paint system group):** Contains custom values for the calculation. Introduce a value in a field to add it to the calculation.
- **AZT (AZT Paint Preparation group):** Contains custom values for the calculation and paint info about the vehicle manufacturer. This info is displayed in two tabs: **Preparation Time** (for concepts breakdown) and **Lump Sum** (for the whole process).



- Click on **manufacturer link** to display manufacturer info.



- Click on info icon to display AZT manufacturer info.

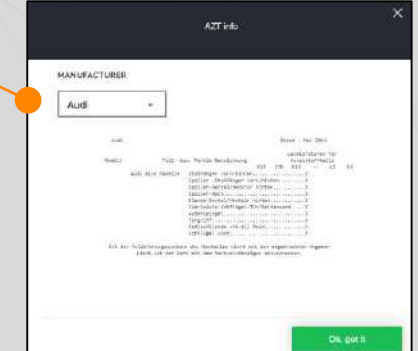


- Click on a **tab name** to switch tabs. Previously introduced values will be lost.

- Click on '**Get default values**' button to remove all introduced data and return to the default values (internal).

- Select one or more **rows** and click on '**Mod**' button to edit the selected rows.

- Introduce working units or amount once the field is editable.



8.CHECKLIST

This menu option displays the **summary of all the positions and model options** included in the calculation, including related info about them.

The **'Positions'** tab is selected by default. Tabs can be switched by clicking on the tab name. Both tabs share filtering and printing functionalities.

CHECKLIST							
Positions Model options							
Legend Filter Position							
Standard position Non standard position Mutations were applied							
<input type="checkbox"/>	#	Part description	What is needed?	Guide n°	Part n	WUs	Discount Price(\$)
<input type="checkbox"/>	1	L/R WINDOW MOTOR	Replace with OEM part	1851	8K0 959 811 C		0.00
<input type="checkbox"/>	2	HOOD MOUNTING KIT	Replace with OEM part	0477	430 098 615 A		0.00
<input type="checkbox"/>	3	FRONT BUMPER	Replace with OEM part New part painting included	0281	430 807 065 BA GRU		0.00
<input type="checkbox"/>	4	HOOD	Replace with OEM part New part painting included	0471	430 823 029 A		25% 4000
<input type="checkbox"/>	5	R/F FENDER	Repair Repair painting included	0742		2	
<input type="checkbox"/>	6	Side check	Visual check	1000			5

Click on **'Filter'** button to display a window with all the possible filter values for the current tab.

Filter

Positions

☐ All ☒ Standard positions ☐ Non standard positions ☐ Correction entries

Repair methods

☐ All ☐ Replace with OEM part ☒ Repair ☒ Visual check

Zones

☒ All ☐ Doors - Rear ☐ Bodywork Front - Outer ☐ Aude Hall

Comments and photos

☒ All ☐ Only with comments ☐ Only with photos

Cancel Apply

Click on an option to select/unselect a filter value

Click on **'Print'** button to open the printing dialog.

To reset filter values select all the **'All'** filter options.

Click on **'Apply'** button to close filters window and apply them to the current tab.

Click on **'Cancel'** button to close filters window and return to the current tab.

Printing

Please select what you need to be included for printing

☒ Positions ☒ Model options

Cancel Print

Click on **Positions/Model options** checkbox to include the tab content in the printing.

Click on **'Print'** button to display a system window with all the printing options. Positions and model options can be printed together or separately.

Click on **'Cancel'** button or **close icon** to close the printing options window and return to the current tab.

8.1. POSITIONS TAB

Displays the **standard and non standard positions and the correction entries** included in the calculation.

- Click on **header selection mark** to select all positions
- Click on **order or repair method column headers** to sort results in ascending/descending order.
- Click on **'Legend'** check to display/hide the legend
- Click on **'Position'** button to [add a new position manually](#)
- Click on a **row** to open its repair panel so it can be edited. All changes applied will be saved in the position.
- Click on a **price/OEM number** to edit it inline for replace operations
- Click the **info icon** to display/hide a panel with additional info about the position: graphic, zone, mutations, comment and number of photos (for SPs) or class, aggregate and comments (for NSPs)
- Click on **WUs** to open the parts composition tab in the repair panel (when available) for replace operations
- Click on a **position's selection mark** to select/unselect the position
- When a position is selected new submenu options are displayed
 - Click on **'Unselect'** button to unselect all selected positions and restore the submenu options
 - Click on **'Delete'** button to remove all selected positions from the calculation.

☰

🚗

📷

🔍

👤

📋

6.518,52 \$

📄

CHECKLIST

Positions

Model options

☒ Standard position

☐ Non standard position

☐ Mutations were applied

☐

#

Part description

What is needed?

Guide n°

Part n

WUs

Discount

Price(€)

ⓘ

☐

1

L/R WINDOW MOTOR

Replace with OEM part

1851

8KD 959 811 C

0.00

ⓘ

☐

2

HOOD MOUNTING KIT

Replace with OEM part

0477

4G0 098 615 A

0.00

ⓘ

☐

3

FRONT BUMPER

Replace with OEM part | New part painting included

0281

4G0 807 065 BA GRU

0.00

ⓘ

☐

4

HOOD

Replace with OEM part | New part painting included


0471

4G0 823 029 A

25%

4000.00

ⓘ



🚗 Zone

Bodywork Front - Outer

Auda Hall

☒ Mutations

EM - Part price mutation 4000.00€

💬 Comments

Mutated part

📷 Photos

2 Photo(s)

✕

☐

5

R/F FENDER

Repair | Repair painting included

0742

2

ⓘ

☐

6

Side check

Visual check

1000

5

ⓘ

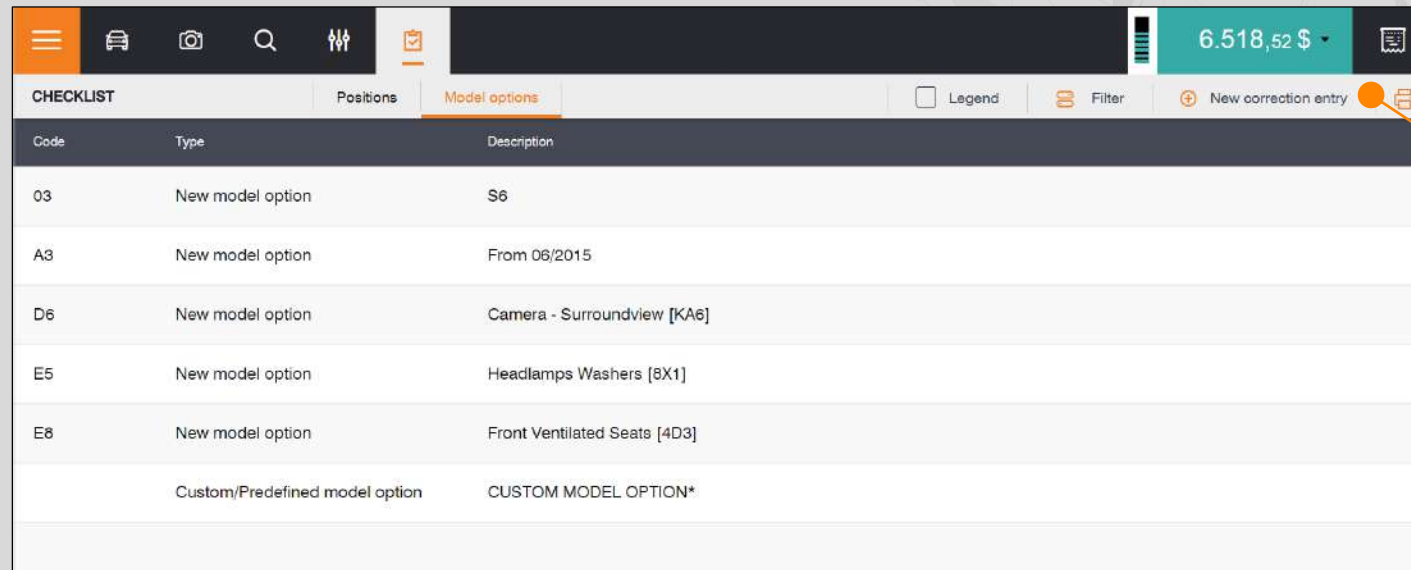
🗑️ Delete

✕ Unselect

8.2. MODEL OPTIONS TAB

Displays **the model options** assigning specific visuals to their different states: VIN model option (bold), removed VIN model option (strikethrough) and manually added model option (standard).

This tab does not allow any interaction with the rows as they are managed in the [Model Options section](#).

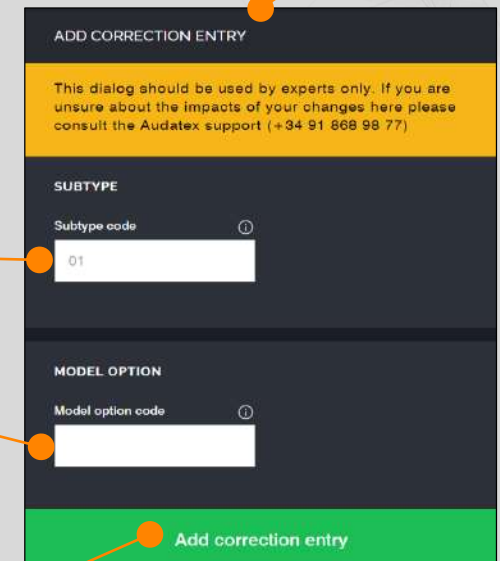


Code	Type	Description
03	New model option	S6
A3	New model option	From 06/2015
D6	New model option	Camera - Surroundview [KA6]
E5	New model option	Headlamps Washers [8X1]
E8	New model option	Front Ventilated Seats [4D3]
	Custom/Predefined model option	CUSTOM MODEL OPTION*

Click on '**New correction entry**' option to display the correction entry panel for model options

It is only recommended when advised by Audatex help desk.

- Introduce a **subtype code** to create a correction for the submodel. There can be just one subtype per calculation and it is mandatory. If the value is removed, the original calculation subtype will be assigned automatically.
- Introduce a **model option code** to create a correction entry for a model option. There can be several correction entries of this type.
- Click on '**Add correction entry**' button to add/remove the entered correction entry with the values introduced
- Correction entries display 'Correction entry' type in the Checklist.



ADD CORRECTION ENTRY

This dialog should be used by experts only. If you are unsure about the impacts of your changes here please consult the Audatex support (+34 91 868 98 77)

SUBTYPE

Subtype code ⓘ

01

MODEL OPTION

Model option code ⓘ

Add correction entry

9. TOTAL FIGURES

Two **interactive indicators** are displayed in the upper menu: total loss bar and running total.

The **total loss bar** indicates how close the running total to the car value is and changes its color depending on some defined thresholds:

- Green: less than warning threshold (default 75%)



- Yellow: equal or greater than warning threshold and less than alert threshold



- Red: equal or greater than alert threshold (default 100%)



Click on '**Got it!**' button to hide the message.

The **running total** displays the total cost of the current capturing. It is updated in real time with every change like adding/removing repair methods, mutations, or model options. It is displayed with decimals, in the country currency and can be displayed with or without VAT.

- Click on **running total** to display/hide the concepts breakdown.

- **Repair cost:** Total amount in absolute value

- **Labor cost:** Total cost of all working units

- **Parts cost:** Total cost of all parts

- **Vehicle value:** Current value of the vehicle used for obtaining the total loss indicator.

A dark-themed panel showing the breakdown of the running total. At the top is a teal bar with the text "5.934,11 \$". Below it is a table with the following items:

Repair cost (incl. VAT)	5.934,11 \$
Labour cost	725,00 \$
Paint cost	1.129,11 \$
Additional cost	0 \$
New for old deduction	-1.000,00 \$
Parts cost	4.080,00 \$
Vehicle value	10.000,00 \$
Total Loss Limit (80%)	8.000,00 \$

- **Paint cost:** Total cost of all painting operations

- **Additional cost:** Total cost of all additional concepts

- **New for old deduction:** Total amount for new for old deduction.

Total loss limit: Alert threshold percentage to display the total loss warning (red zone).

10. CALCULATION PREVIEW

The calculation preview displays the **detail of all concepts involved in the calculation** to get whole and individual prices, labors and times.

A calculation is triggered whenever a change affecting the result is applied in the capturing: select/deselect a model option, add/remove/modify a repair method/mutation or applying a cost optimization.

1.161,14 \$

CALCULATION PREVIEW

PAINT WORK (A2T SYSTEM)

CODE NO.	DESCRIPTION	WU
0471	HOOD NEW PART PAINTING	27
LABOUR COST - PAINT		
FACTOR	2.500 USD/TU	WU
TIME (PAINT)		27
PREPARATION METAL		3
TOTAL	10 WU/HR :	30
TOTAL	100 TU/HR :	300 TU
MATERIAL COST - PAINT		
NEW PART PAINTING		PRICE
MATERIAL-CONSTANT METAL		93.53
INCREASED/DECREASED BY	33.00 \$	15.99
73.38-		

SPARE PARTS

PRICES AS AT : 01.01.2001

CODE NO.	DESCRIPTION	
0471	HOOD	460 823 029 A
1851	L/R WINDOW MOTOR	8K0 959 811 C

AUDATEX SYSTEM

PAGE 1

- Click on a **highlighted guide number** to open part's repair panel
- Click on a **highlighted model option code** to open the model option's group in the model option section

- Click on **printer icon** to print the calculation.
- Click on **zoom buttons** to zoom in/zoom out

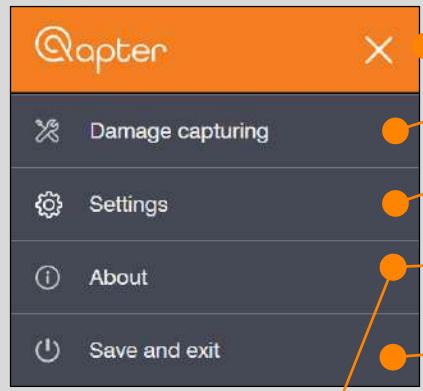
The calculation preview presents the calculation using a template. The preview contains the following sections:

- Claim and vehicle data
- Model options
- Spare parts: parts, prices
- Labor: parts, operations, prices, working units
- Paint: parts, operations, working units, materials cost
- Summary: total costs and WUs with and without VAT
- Control sheet: internal codes and information about errors, invalid parts and parts triggered or removed.

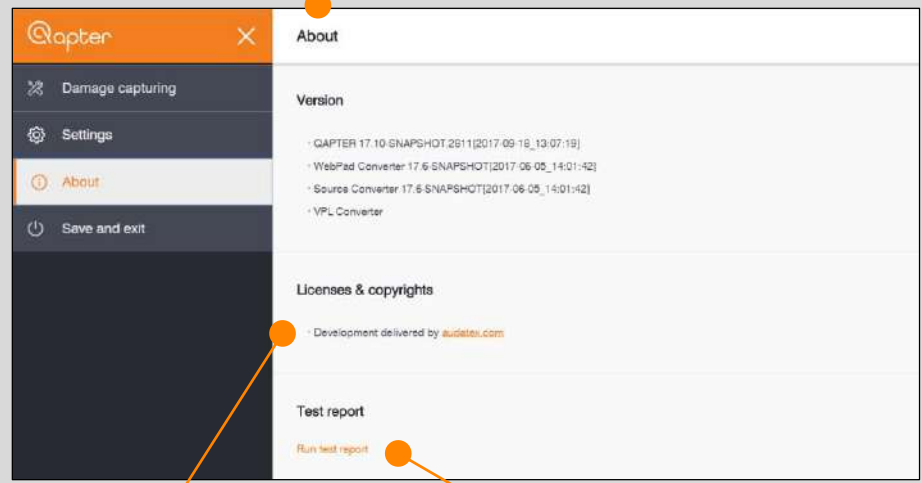
Concepts added or modified manually are marked (*) to be distinguished from data provided by the manufacturer.

11. COLLAPSIBLE MENU

This foldable menu displays **additional options** for the application.



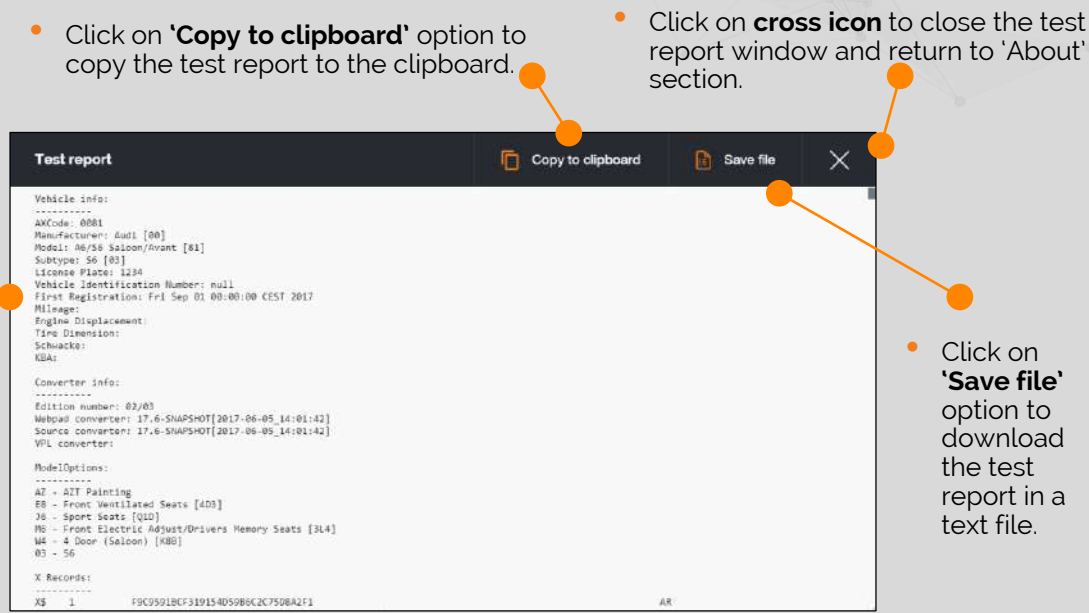
- Click on '**Damage Capturing**' option or in the cross icon to hide the menu and return to the application.
- Click on '**Settings**' option to display Settings section.
- Click on '**About**' option to display information about Qapter.
- Click on '**Save and Exit**' option to save pending changes and close Qapter.



Click on **Audatex** link to open Solera's webpage in a new window.

Click on '**Run test report**' link to open the test report window.

The **test report** contains information about the calculation and the current session. This data is useful in case the user has to contact the call center for any issue related with the application.



Click on '**Copy to clipboard**' option to copy the test report to the clipboard.

Click on **cross icon** to close the test report window and return to 'About' section.

Click on '**Save file**' option to download the test report in a text file.

11.1 SETTINGS SECTION

From the settings section some **features** can be set, activated or disabled. Changes are stored for next user sessions.

Damage capturing

Settings

About

Save and exit

Graphics

3D view ☒

Total Loss

Vehicle value \$

☒ Check if Total Loss has been reached after every repair

☒ Display price of part when clicked on

☐ Use net values

Percentage %

Cost Optimization

Interactive optimization ☒ Interactive optimization enabled

Optimization types

☒ Repair to Replace optimization

☒ Dent to Replace optimization

%

☒ Replace to Repair optimization

\$

Hail formulas

Default Hail formula

XpertCenter

SVV adjustment factor

Enable/disable 3D mode (3D mode must be allowed by configuration and is only allowed for models with 3D graphics)

Set car value for total loss in the current session

Enable/disable total loss warning after every operation is added/removed

Display/hide price of part in the repair panel and the checklist

Display values with/without VAT

Set alert warning threshold

Enable/disable cost optimizations

Enable/disable repair to replace optimization

Enable/disable dent repair to replace optimization

Set repair/dent repair optimization threshold

Enable/disable replace to repair optimization

Set replace to repair optimization threshold

Set a default Hail formula for dent repair operations

Set additional values for Hail formula factors (not available for all formulas)

