

# Inter-est Insight and Vision

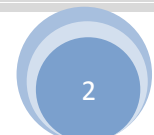
User Guide



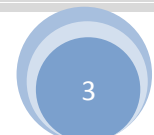
Version Number 1.1

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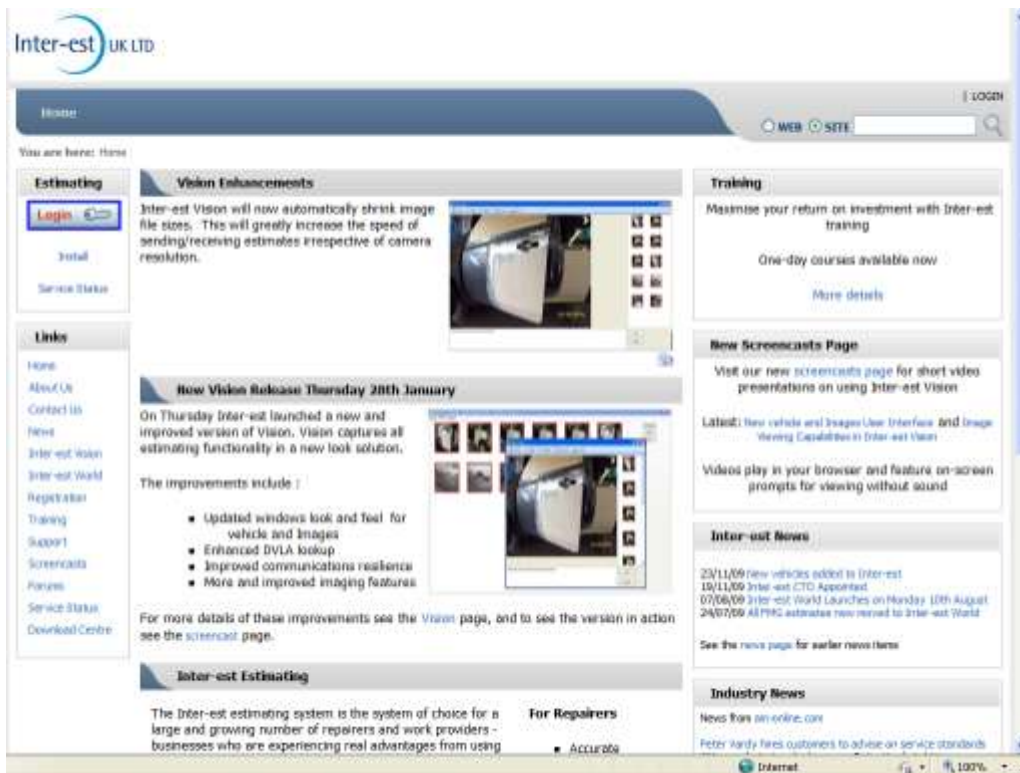
# Guide to Using Insight and Vision

## Purpose

This manual will give full instruction for using Insight from accessing the Inter-est website to creating your first estimate.

## The Inter-est Website

Open Internet Explorer and in the address field enter [www.inter-est.net](http://www.inter-est.net) . The following screen will appear, Inter-est website main images may differ from those shown here:-



## Launching Insight for the First Time

To Launch Insight simply click on the [Insight Login](#) link.

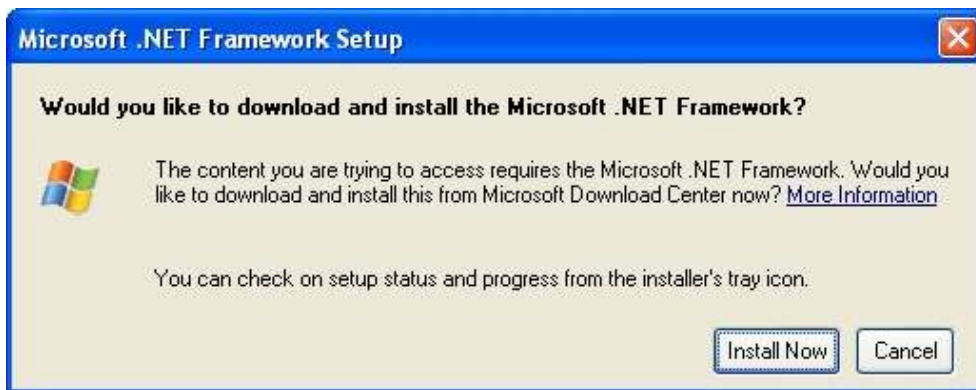
If this is the first time using Inter-est on your PC you may need to load some Microsoft prerequisites, to do this follow the next set of instructions. This is a once only task.

## Loading Microsoft Prerequisites

Insight uses the following Microsoft prerequisites:-

- Microsoft .NET Framework - most newer PCs will have this already installed
- Microsoft J# 2.0 Redistributable Package – this may well need to be installed

If you click on the [Insight Login](#) link and Microsoft .NET Framework is not installed on your PC the following message will pop up:-



Click **Install Now** and follow on screen instructions, this will take approximately 10 to 15 minutes on a broadband connection.

If you click on the [Insight Login](#) link and Microsoft J# is not installed on your PC the following message will pop up:-



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To install click on the [Install](#) link below the [Insight Login](#) link, see image below:-



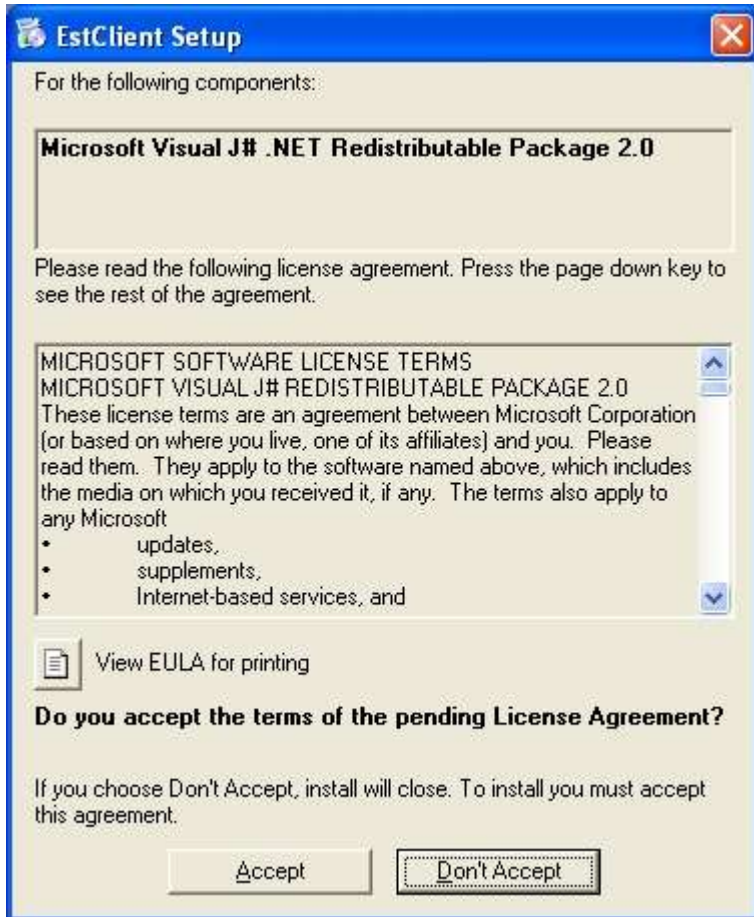
This will check your PC for any Microsoft prerequisites not yet installed, if missing the following will pop up:-



Click **Run** (or **Open** on Vista or Windows 7 PCs) to continue, this may bring up a further pop up:-



Click **Run** (or **Open** on Vista or Windows 7 PCs) to continue, this will then load the Microsoft J# 2.0 Redistributable Package for install via the following pop up:-



Click **Accept** and follow the on screen instructions, this will take approximately 3 to 5 minutes on a broadband connection.

You can now click on the [Insight Login](#) link to launch Insight.

## Logging into Insight

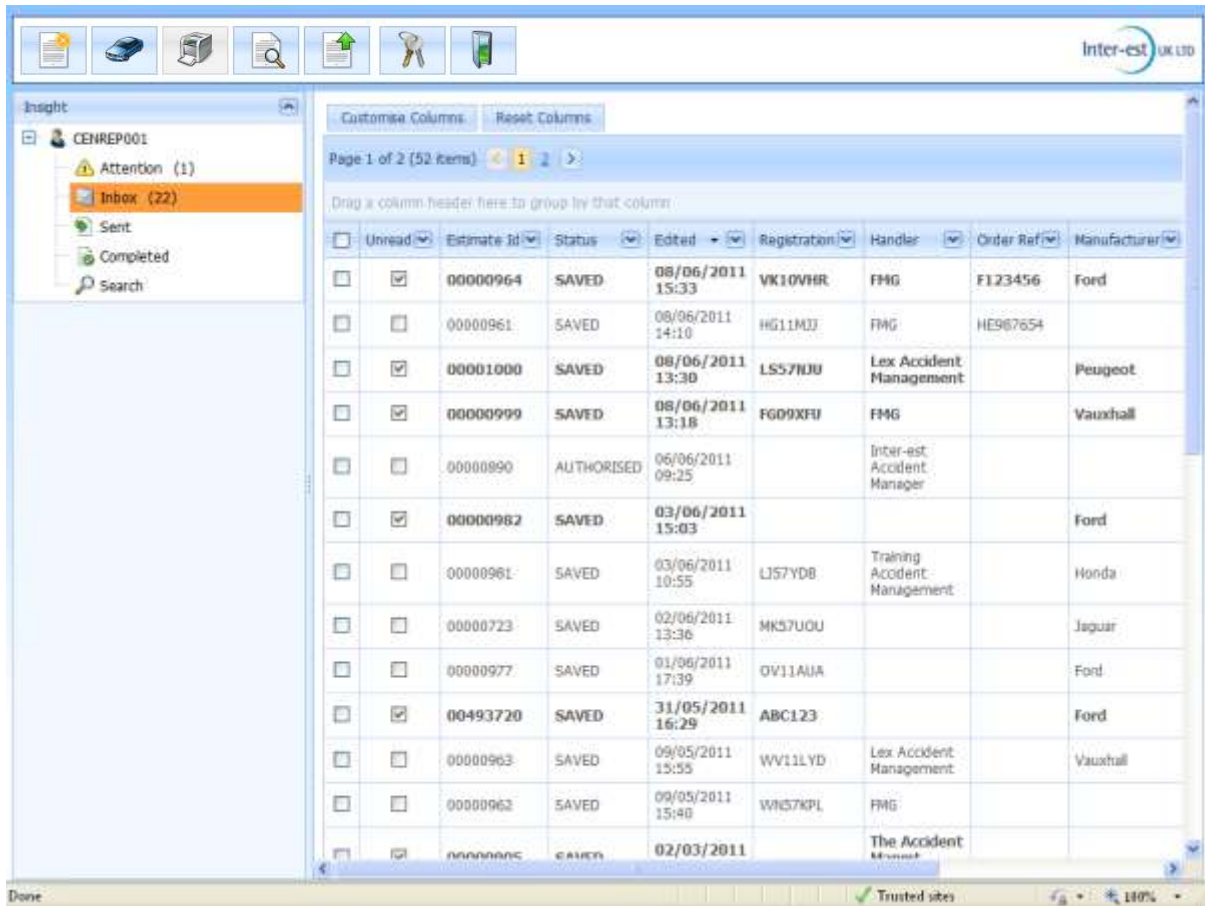
Having loaded any prerequisites click on the [Insight Login](#) link, the Login screen will appear:-



Enter your **Username** and **Password**, Inter-est will accept upper or lower case letters, in the appropriate fields and click the Login button to access Insight. If you are just trialling Insight you can use **trialuser** as your Username (no Password is required for this Login). Having clicked the Login button you will have access to Insight.

## Using Insight

When you first Login to Insight you will see the following screen:-



Across the top of the screen are icons to represent the available tasks as follows:-



This icon creates a new estimate



This icon launches Inter-est Vision for editing



This icon pops up the print choice list window



This icon creates a preview of the Insurers Report in PDF format (Standard Inter-est printout)



This icon pops up the Import/Export window



This icon allows the user to change their password

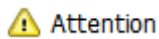


This icon is for Work Providers to assign estimates to engineers



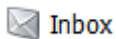
This icon logs out of Insight

In the left column under your  Username is a list of folders as follows:-



Attention

Attention holds Notifications and estimates out of SLA<sup>1</sup> if the Work Provider has supplied SLAs, also unread returned estimates these will be **RED** until it is acknowledged (opened), except in the case of Notifications which will remain here in **RED** until the first panel/part is saved in the estimate



Inbox

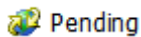
Inbox is the default view when you load Insight and holds all WIP<sup>2</sup> if an estimate has been returned it will be **RED** until it is acknowledged (opened)

- Repairers... Saved, Authorised, Total Loss, Awaiting Inspection and Unauthorised
- Work Providers... Sent (i.e. Sent by Repairer)



Supplementary

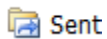
Supplementary holds supplementary estimates (this is unique to the Work Provider)



Pending

Pending holds the following estimates

- Repairers Awaiting Authorisation
- Work Providers Awaiting Authorisation and Awaiting Inspection



Sent

Sent holds all sent estimates, until returned

- Repairers Sent
- Work Providers Notification and Unauthorised



Completed

Completed is for estimates to be removed from the Inbox and later archived

- Repairers those marked complete
- Work Providers Authorised and Total Loss



Search

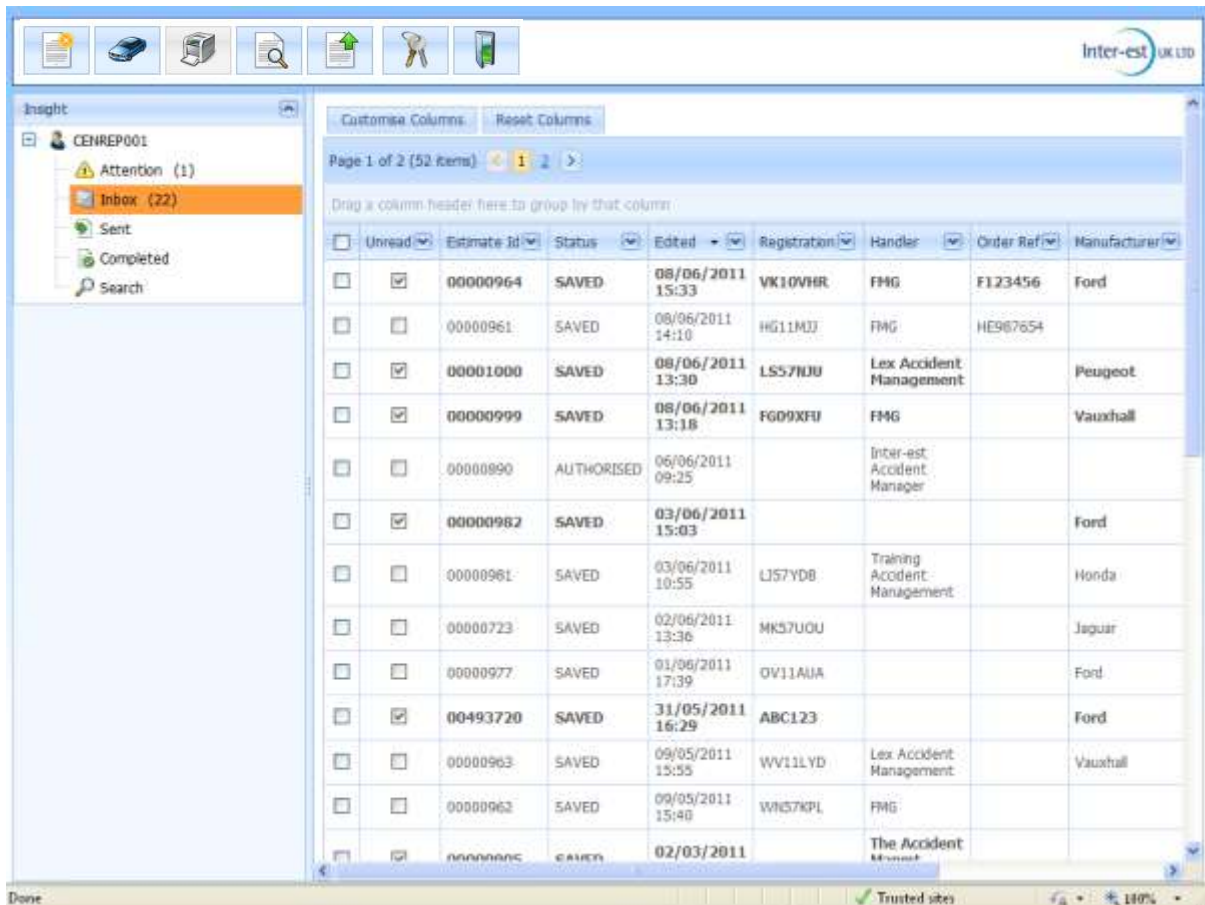
Search returns the result of a search for estimates

<sup>1</sup> SLA = Service Level Agreement


<sup>2</sup> WIP – Work in Progress

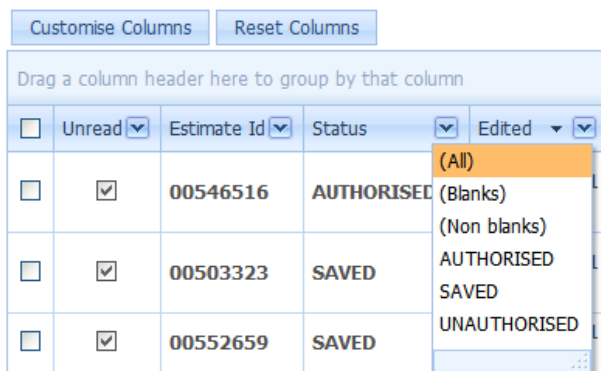
## Customising Insight

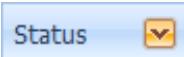


Insight uses a new web interface which looks similar to Microsoft's Outlook, enabling you to see much of the estimate detail without opening an estimate, including the ability to sort, group and print estimates. The initial view allows you to view all that is in the inbox.

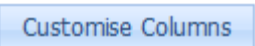


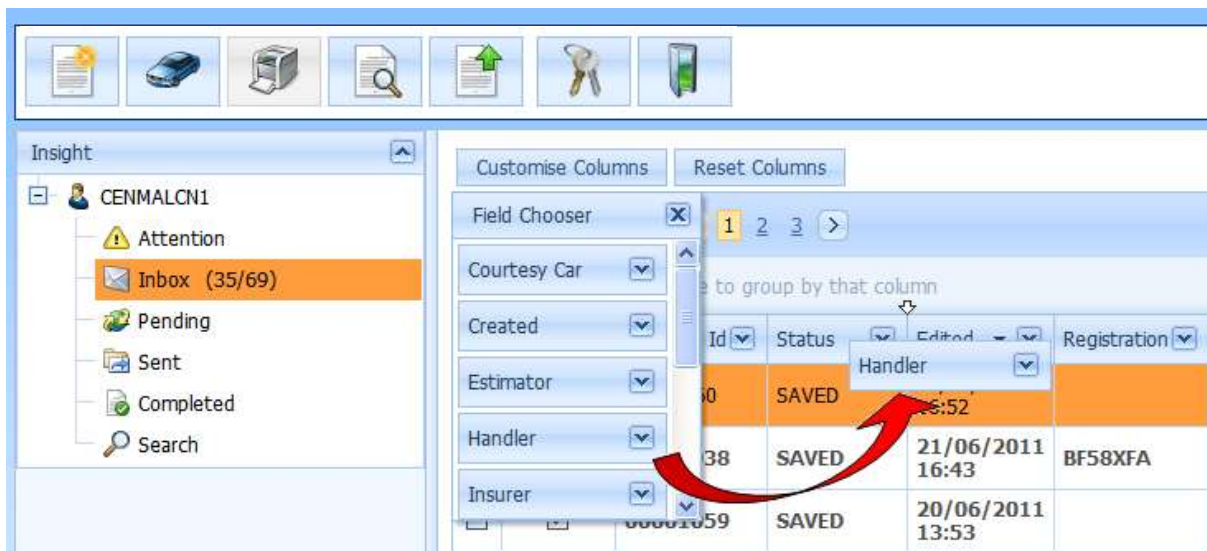
These can be sorted A-Z or Z-A simply by clicking whichever header you want to sort by, so clicking on the Status heading will put Authorised first and Unauthorised last if this header is clicked again this will reverse their positions.

By clicking on the drop-down arrow  alongside the column titles you can filter Insight on any of the column headers, this will display a list based on the data in your estimates for that field.

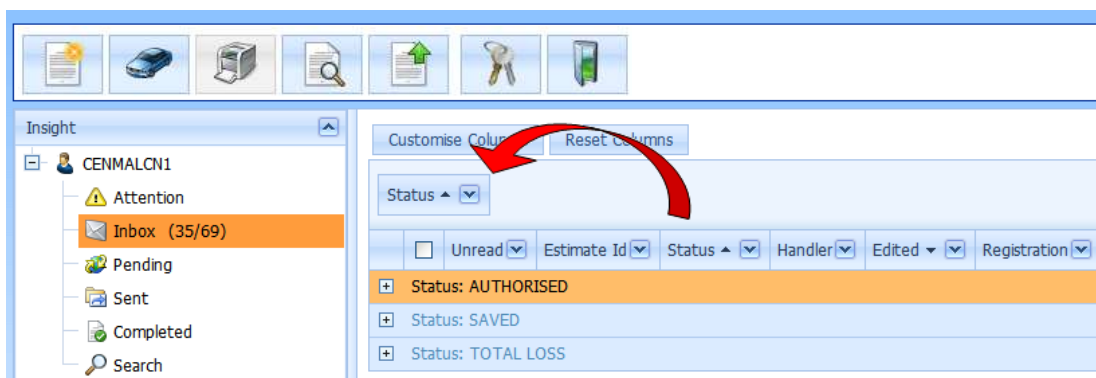


A filtered column will look like this  note the drop-down arrow  is orange this is to indicate it is filtered. You can filter as many columns at a time as you wish i.e. Authorised, Ford, and Red but remember if Insight is filtered you cannot see the estimates outside of the criteria, always remember to undo any filter by clicking on the orange drop-down arrow  and selecting (All) to refresh estimates view.

Insight gives the user the ability to rearrange the order of the fields by dragging the columns to your preferred order, when you login it will recall your preferred layout. Additional fields can also be added or removed from the Grid by first clicking the Customise Columns button  then using the drop-down list, drag and drop either to or from the **Field Chooser** box, as shown in the example below:-



It is possible to group by any of the headers by dragging them to the row above the header. This can have several levels by adding more headers to the custom row, as shown in the example below:-




To return to the standard view click the Reset Columns button 

# Review and Create an Estimate in Insight

## Review an Estimate

To review previous estimates highlight it and then if you want to view/edit the estimate, either double-

click it or click the Vision icon . If you make any changes in Vision and you want to save then click

the Save icon  before you exit.

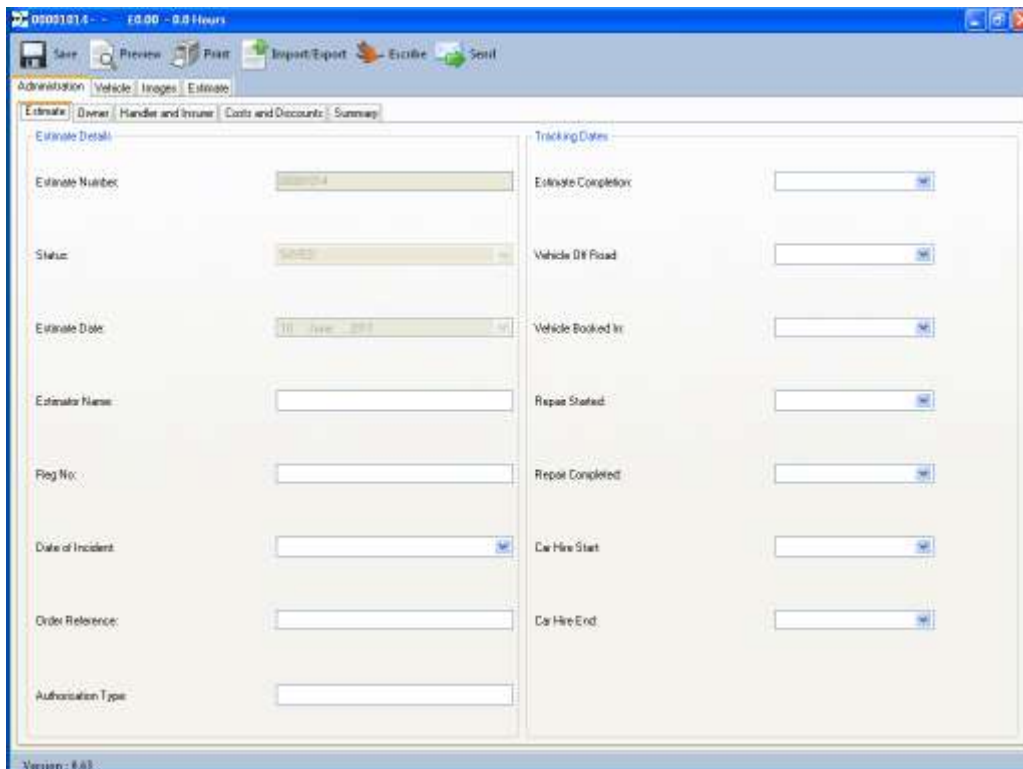
## Create New Estimate

To create a new estimate click the New icon



## Estimate Tab

This will be an empty estimate apart from the Estimate Number, Status and Estimate Date as per the example below:-



Explanations of the fields are shown below none of which are mandatory, unless a particular work provider has requested it:-

### Estimate details

<b>Estimate Number</b>	Estimate Reference Number
<b>Status</b>	Current Status of estimate
<b>Estimate Date</b>	Date estimate created
<b>Estimator Name</b>	Name of person who assessed vehicle initially
<b>Reg No.</b>	Vehicle Registration Number
<b>Date of incident</b>	Date when vehicle was damaged
<b>Order reference</b>	Usually refers to order number supplied by Work Provider
<b>Authorisation type</b>	Used by Engineer to comment on Authorisation

### Tracking dates

<b>Estimated completion</b>	Date repairs expected to be completed
<b>Vehicle off road</b>	Date vehicle officially considered not drivable
<b>Vehicle booked in</b>	Date vehicle booked in for repairs to start
<b>Repair started</b>	Actual date repairs started
<b>Repair Completed</b>	Actual date repairs completed
<b>Care hire start</b>	Date hire car booked (if required)
<b>Car hire end</b>	Date hire car returned

## Owner Tab

This tab contains fields in reference to the Owner/Holder of the policy none of which are mandatory:-

Explanation of fields on image above is shown below:-

### Owner

- |                          |   |
|--------------------------|---|
| <b>Company</b>           | Company name of Policy holder if applicable         |
| <b>First Name</b>        | First Name of Policy holder if privately owned      |
| <b>Surname</b>           | Surname of Policy holder if privately owned         |
| <b>Address/ Postcode</b> | Address and Postcode of Policy holder               |
| <b>Telephone</b>         | Telephone of Policy holder                          |
| <b>Contact</b>           | Contact name at Company if applicable               |
| <b>Telephone</b>         | Contact's telephone number at Company if applicable |

### Driver (if not owner)

- |                   |   |
|-------------------|---|
| <b>First Name</b> | First Name of Driver if Company vehicle |
| <b>Surname</b>    | Surname of Driver if Company vehicle    |

**Address** Address of Driver if Company vehicle

**Telephone** Telephone of Driver if Company vehicle

**Driver Details**

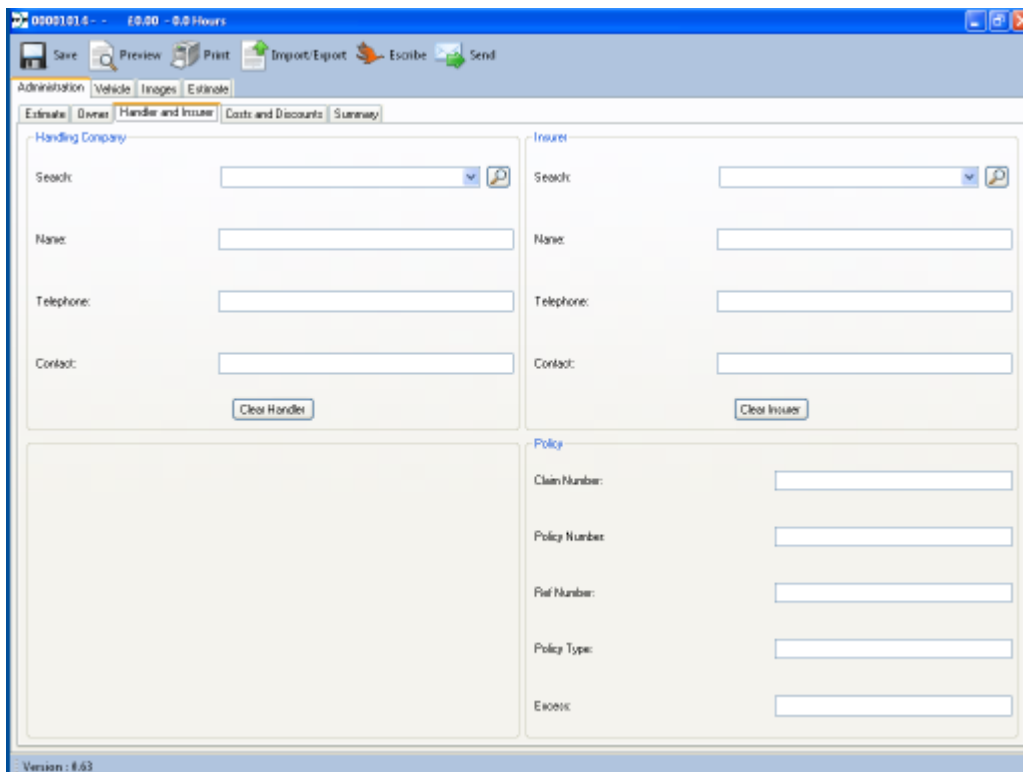
**License No.** License number of Driver/Owner

**Date of Birth** Date of birth of Driver/Owner

**Journey Notes** Record direction of impact, point of impact, number of occupants etc.

## Handler and Insurer Tab

This tab contains fields in reference to the Handler/Work Provider none of which are mandatory:-



Explanation of fields on image above is shown below:-

**Handling company**

**Search** Lookup for name of Handler (only the first few characters required to use search facility)

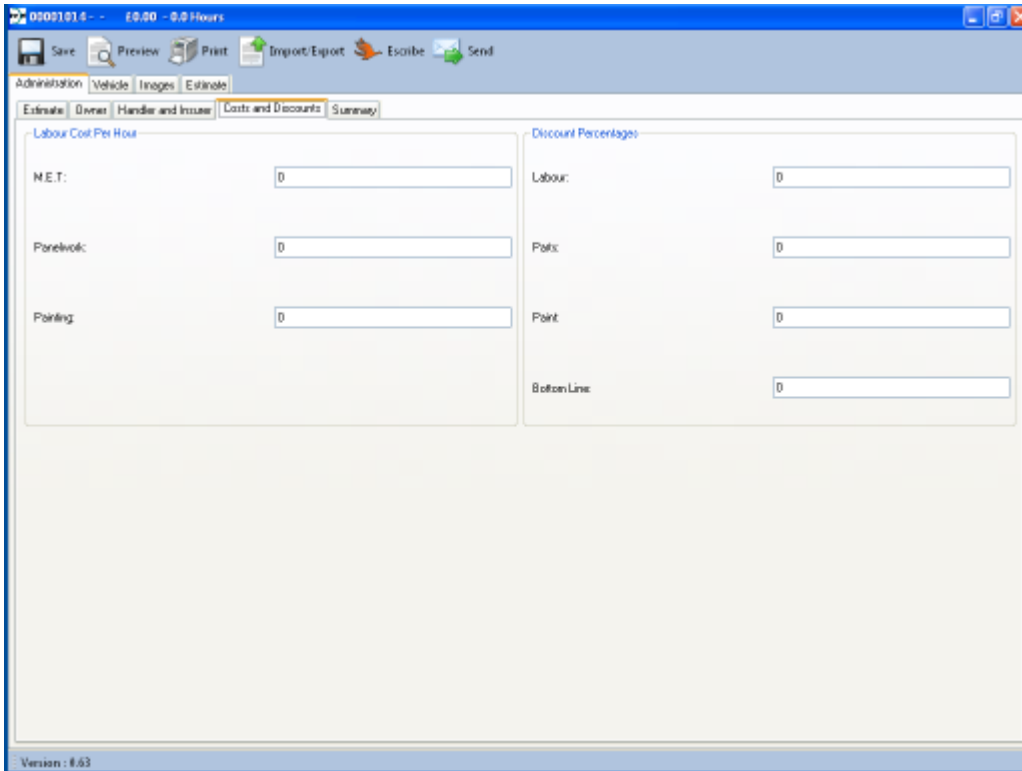
**Name** Name of Handler

**Telephone** Telephone number of Handler

<b>Contact</b>	Contact name at Handler
<b>Insurer</b>	
<b>Search</b>	Lookup for name of Insurer (only the first few characters required to use search facility)
<b>Name</b>	Name of Insurer
<b>Telephone</b>	Telephone number of Insurer
<b>Contact</b>	Contact name at Insurer
<b>Policy</b>	
<b>Claim Number</b>	Claim Number usually supplied by Insurer
<b>Policy Number</b>	Policy Number usually supplied by Insurer
<b>Ref Number</b>	Reference Number usually supplied by Work Provider
<b>Policy Type</b>	Fully Comprehensive, Third Party, Self Insured Etc.
<b>Excess</b>	Policy Holders Excess as this will affect the Grand Total of the estimate

## Costs and Discounts Tab

This tab contains fields in reference to the underlying calculation values:-



Explanation of fields on image above is shown below (for some Work Providers these may be set automatically):-

**Labour Cost Per Hour**

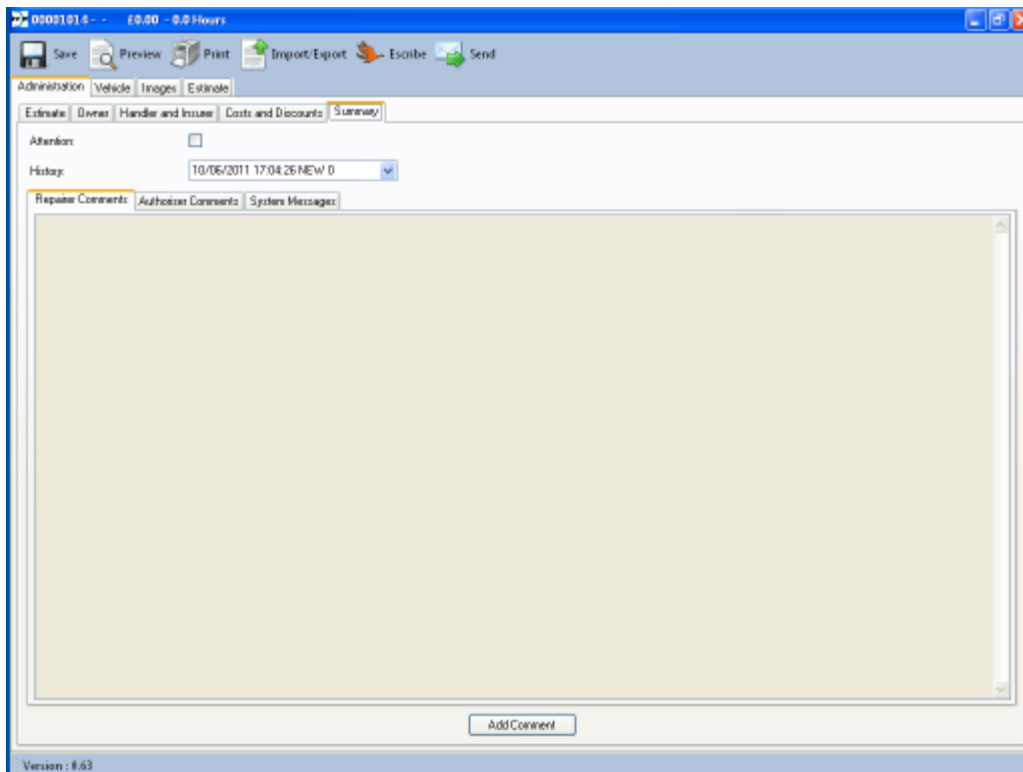
- M.E.T**                      MET Labour Rate
- Panelwork**                Panel Labour Rate
- Painting**                    Paint Labour Rate

**Discount Percentages**

- Labour**                      Discount to be applied to Labour cost
- Parts**                        Discount to be applied to Parts cost
- Paint Material**            Discount to be applied to Paint and Material cost
- Bottom Line**                Discount to be applied to Total of estimate after all other discounts have been applied

**Summary Tab**

This tab contains fields in reference to Notes and Comments:-



Explanation of fields on image above is shown below:-

- |                            |   |
|----------------------------|---|
| <b>Attention</b>           | When checked loaded estimate will go straight to message to ensure it is read before estimate is reviewed   |
| <b>History</b>             | Combo box containing each transaction Date and Time stamped i.e. Saved, Sent, Authorised etc.   |
| <b>Repairer Comments</b>   | Notes and Comments entered by the Repairer each Date and Time stamped   |
| <b>Authoriser Comments</b> | Notes and Comments entered by the Authoriser/Engineer each Date and Time stamped  |
| <b>System Messages</b>     | Notes entered by the system regarding changes to the standard logic or Supplementary changes each Date and Time stamped                           |
| <b>Add Comment</b>         | Click this button then type comments and click OK to add comments in either Repairer Comments or Authoriser Comments as appropriate to your Login |

# Estimating in Inter-est Vision

## Vision – Administration

To start estimating in Insight highlight the estimate, then click the Vision icon. This tab contains fields for Vehicle administration as described above in **Create New Estimate**:-

Across the top of the screen are icons to represent the available tasks as follows:-



Saves estimate. When clicked a message will pop up confirming save



Previews Insurers Report in PDF format, this can then be printed, emailed or saved



Offers a selection of Reports which Preview in PDF format, these can then be printed, emailed or saved. For more detail see **Printing**



This buttons main function is to create an export file which can be imported by most major Management Systems. For more detail see **Export and Import**



Produces Methods Manual for the relevant vehicle (newer methods will produce a Methods Pack containing only those panels in the estimate). Subject to Thatcham's escribe being installed and registered



When this button is clicked it sends the estimate to the Work Provider



Unlocks Authorised estimates by converting status to Unauthorised, this only appears on estimates for Work Providers which allow unlocking

## Vision - Vehicle

This tab contains fields in reference to the Vehicle specific details:-

Explanation of fields on image above:-

### Vehicle Details

#### Registration

Enter Vehicle Registration Number (if not already entered on Estimate tab) then press **Enter** or click the **Find** button to fill in the vehicle details from the **DVLA** if available.

#### Model

Vehicle Model i.e. Fiesta - (automatically entered if **DVLA** search used)

#### Manufacturer

Vehicle make i.e. Ford - (automatically entered if **DVLA** search used)

#### Registered Date

Date of vehicles first registration - (automatically entered if **DVLA** search used)

#### Engine

Engine size i.e. 2.0 - (automatically entered if **DVLA** search used)

#### Trim

Derivative or Trim Level i.e. Ghia - (automatically entered if **DVLA** search used)

#### Body Style

Vehicle Body shape i.e. MPV - (automatically entered if **DVLA** search used)

#### Colour

Vehicle colour - (automatically entered if **DVLA** search used)



#### Paint Finish

Vehicle Paint Type - (default is **NON METALLIC COB**)

<b>Paint Manufacturer</b>	Combo box allows you to choose your Paint Manufacturer – (default is <b>Thatcham Average</b> )
<b>Long Combo Box</b>	Use this in conjunction with the <b>Factory Fitted Items</b> to select a specific derivative if the <b>DVLA</b> or Manual search returns more than one choice
<b>List Derivatives</b>	This is used to manually select a <b>Model</b> , see <b>Manually Finding a Vehicle</b>
<b>Clear</b>	This button clears out all vehicle detail (except Registration Number) as well as any items entered into the estimate.
<b>Factory Fitted Items</b>	This is useful to help match a vehicle as the items listed are those which effect labour times. When doing a LCV check whether it has the appropriate Doors i.e. Sliding Side Door LH
<b>Vehicle Information</b>	
<b>Odometer</b>	Used to record the Mileage/Kilometrage you can use text i.e. No Battery
<b>V.I.N.</b>	Vehicle VIN - (automatically entered if <b>DVLA</b> search used)
<b>Location</b>	Location of vehicle i.e. Still with Owner
<b>Category</b>	Valuation categories combo box:- Clean, Average and Below
<b>Condition</b>	Used to record the vehicle condition, steering and brakes comments
<b>Driveable</b>	Vehicle Driveable status combo box:- Unspecified (default), Yes and No
<b>Steering/Brakes</b>	Check boxes to indicate the steering and brakes have been checked, note any issues found in <b>Condition</b> box
<b>Checked</b>	
<b>Global Repair</b>	Only appears if registered Global Repairer, if selected Inter-est Vision uses Global's matrix of costs in place of Thatcham values for cosmetic repairs
<b>V.I.N. Check</b>	Vehicle VIN translation where available
<b>Tread Depths in Millimetres</b>	
<b>Tyres</b>	Used to record the tyre tread depths (LCVs show twin wheels at rear) you can use text i.e. N/A if spare missing

## Manually Finding a Vehicle

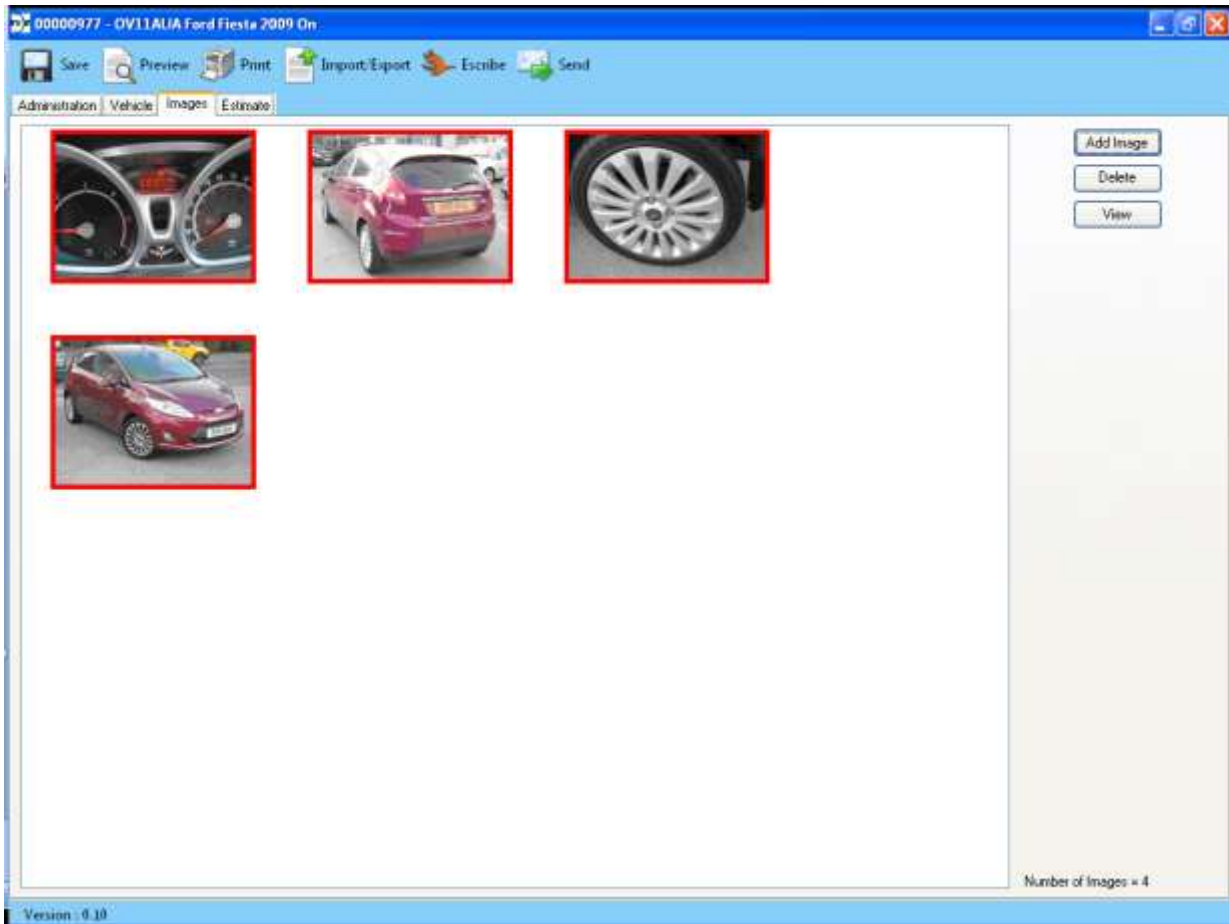
If the vehicle is not registered at the **DVLA** (as will be the case for **MOD** vehicles) or cannot be found using the **DVLA** search, then enter the first few characters of the **Model** i.e. Foc (for Focus), you can also fill in other fields if known i.e. 1.6 in **Engine** and 3 (for 3 Door Hatchback) in **Body Style** then

press the Enter key  or click the List Derivatives button  to fill in the vehicle details.

The more fields you fill in for a manual search the more accurate the result, however too much information can cause nothing to be returned, so be cautious.

## Vision - Image

This tab holds images to support estimate details:-



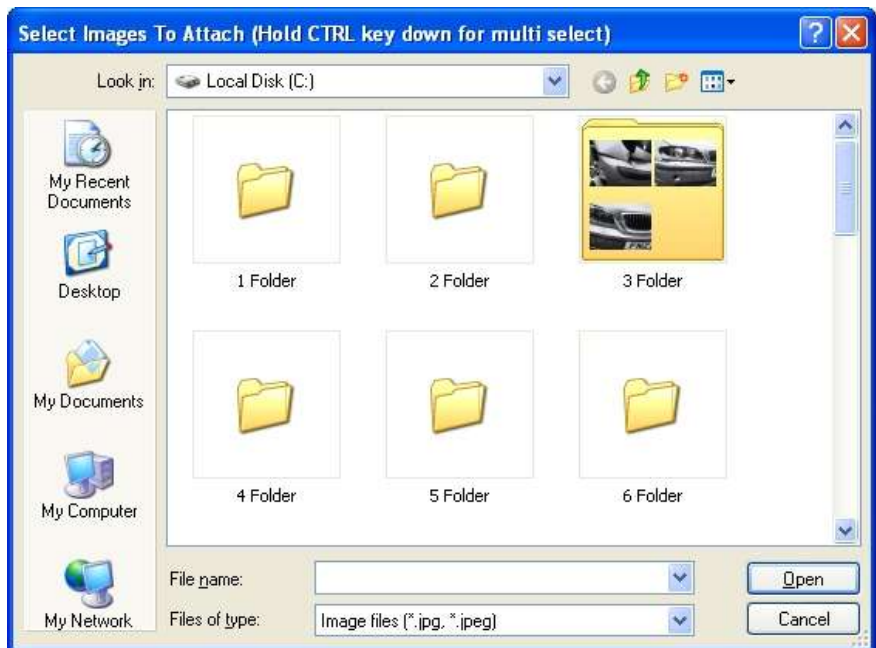
Explanation of tools/objects on image above:-



### Image Store

This is where the images are stored. When images are first attached they will have a **RED** border this indicates they have not been saved to the server and can still be deleted if not required. Once they are saved to the server the border will be **BLACK**, these cannot be deleted by you (call Interest if they need deleting)


### Add Image

This button enables you to select the images to attach to the estimate. The following dialog box will pop up:-



To select images open the appropriate folder or go directly to you Camera (notice in the example above 3 Folder shows it contains images). Then click on the images to be selected (hold down the Ctrl key  to multi-select) then click the Open button or press the Enter key  to insert the images

**Delete**

This button allows you to delete images that are not required. To do this click on the images to be deleted in the Image Store (hold down the Ctrl key  to multi-select) then click the Delete button to remove the images

**View**

This button opens the images in a separate dialog box to view and add any notes, alternatively you can double-click the thumbnail, this dialog box will be explained in the next section Vision - Image Viewer

**Number of Images**

This logs the number of images attached to the estimate

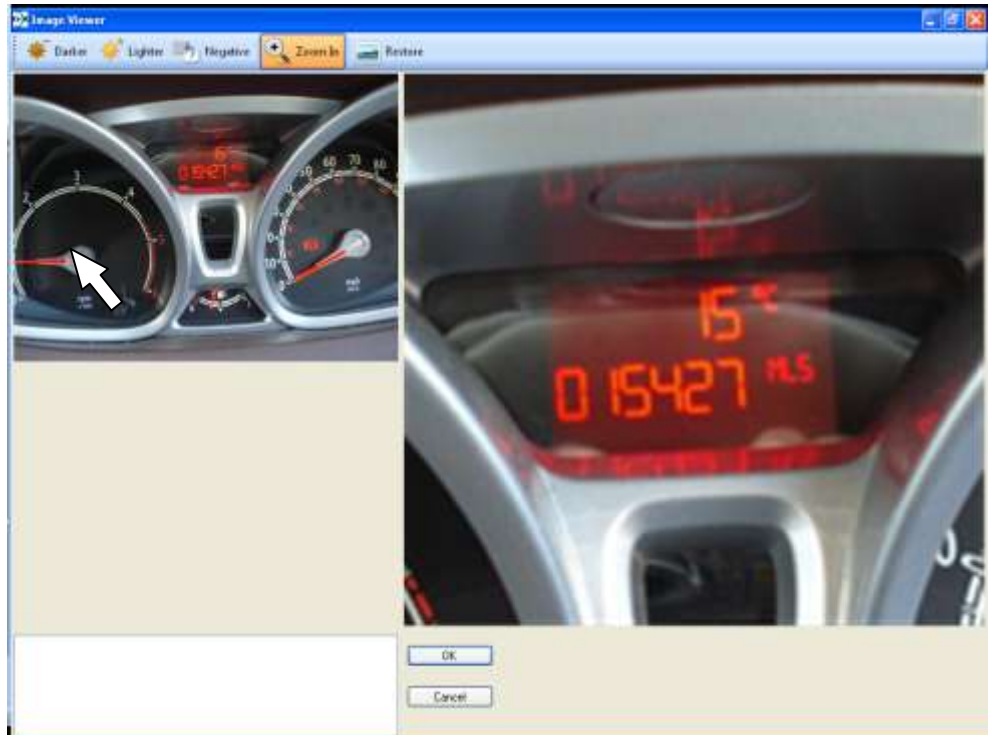
## Vision - Image Viewer

This pops up in a separate window which can be dragged across to another monitor if you are operating a dual monitor PC. This displays the images to support estimate details:-



Explanation of tools/objects on image above:-

- Darker** This allows the viewer to Darken an image temporarily to view damage more clearly. To return to the original click on **Restore**, changes made will not be saved when image closed
- Lighter** This allows the viewer to Lighten an image temporarily to view damage more clearly. To return to the original click on **Restore**, changes made will not be saved when image closed
- Negative** This allows the viewer to see the image in a negative format (sometimes advantageous with lighter scratches). To return to the original click on **Restore** or **Negative**, changes made will not be saved when image closed
- Zoom In** This allows the viewer to see the image magnified. The view changes so that on the left is a smaller image which you track over with the mouse, this then shows that area magnified on the right as per the image below. To return to the original click on **Restore** or **Zoom In**:-



**Restore**  
**Thumbnails**

This returns the image to its original condition  
Click on any of the thumbnails in this column to view that image in the Image Viewer (note the **RED** borders as previously explained)

**Notes**

This allows you to record any notes specifically relevant to that image, once the note is saved the thumbnail will have a small icon in the bottom right corner to indicate there is a notation as per the view below:-



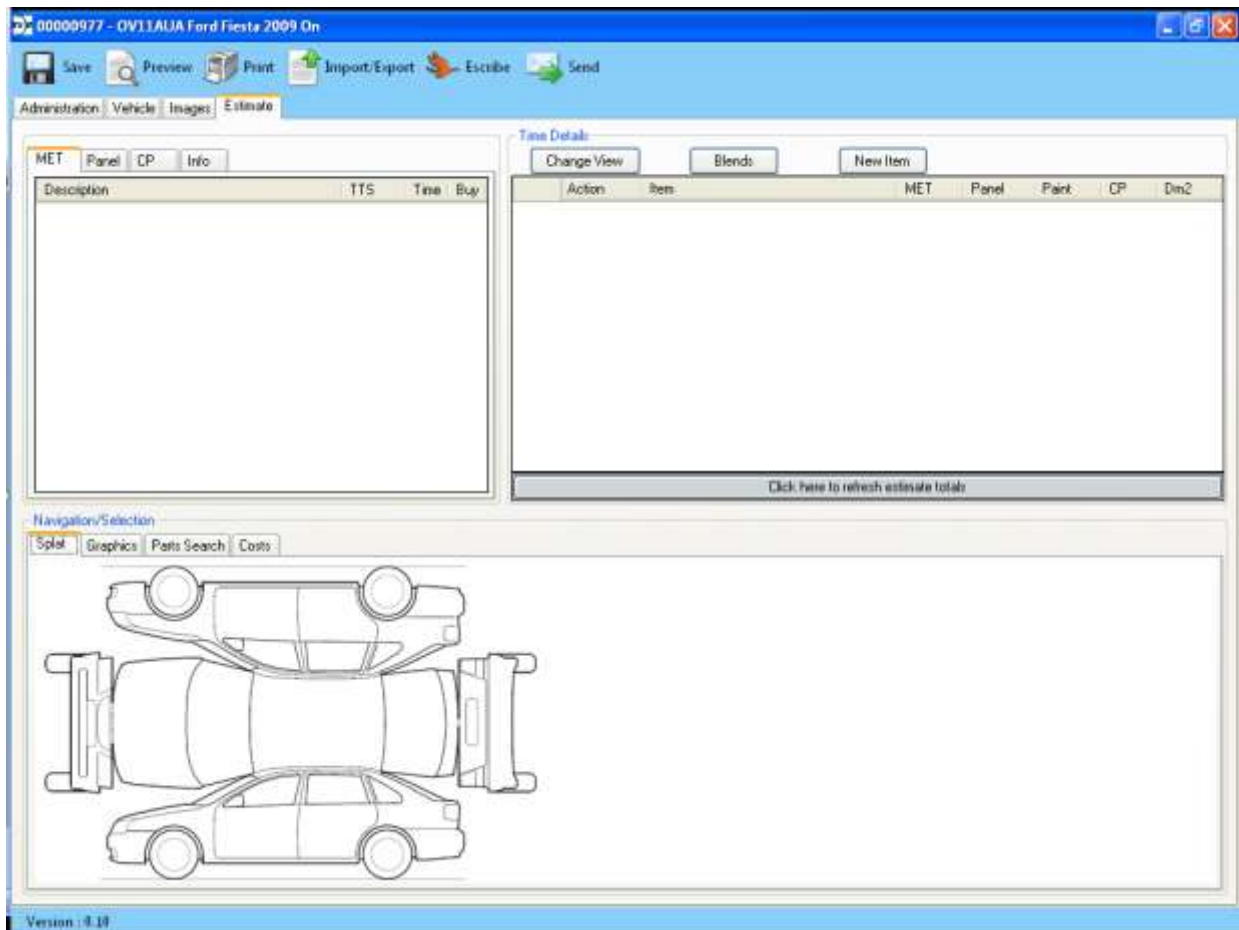
**OK**  
**Cancel**

This button closes the **Vision Image Viewer** and saves any notes entered

This button closes the **Vision Image Viewer** and does not save any notes entered

## Vision - Estimate

This tab is used to enter the estimate details and costs:-



Explanation of tools/objects on image above:-

- |                             |  |
|-----------------------------|--|
| <b>Change View</b>          | This button allows the user to switch between the <b>Time Details View</b> and <b>Parts Details View</b>   |
| <b>Blends</b>               | This button brings up the <b>Blend – Adjacent Panels</b> dialog box with the recommended Thatcham blend panels. This should only be selected at the end of the estimate to ensure all panels are accounted for |
| <b>New Item</b>             | This button allows the user to create their own line in the estimate either as a panel, part or comment  |
| <b>Detail Breakdown</b>     | This refers to the box in the top left which lists the Thatcham breakdown of MET, Panel, CP and Info for the selected panel/part. For more detail see <b>Details Breakdown</b>                                 |
| <b>Shopping Basket</b>      | This refers to the box in the top right which holds all selected Panels, Parts and Additional Costs for the estimate as entered by the user. For more detail see <b>Shopping Basket</b>                        |
| <b>Running Total</b>        | Clicking this gives the user a running total for Labour, Parts, Paint and Costs  |
| <b>Navigation/Selection</b> | This allows the user to access all relevant Panels (Graphics), Parts and Additional Costs for the selected vehicle. For more detail see <b>Navigation/Selection</b>  |

## Details Breakdown

This panel lists the Thatcham breakdown of MET, Panel, CP and Info for the selected panel/part in separate tabs. This view is displayed whenever a new panel is added to the **Shopping Basket**, it will also be displayed when a panel/part is highlighted in the **Shopping Basket**:-

Description	TTS	Time	Buy
Bumper Fixing Front	14.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DV Focus Front Foglamps	8.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DV Focus Headlamps	8.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DV Load-Unload Veh to Ramp	7.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DV Side Screen Water Test Front LH	6.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Headlamp LH	6.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Insulation Wing Front LH	0.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wing Front Liner LH	6.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wing Front Liner RH	6.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wing Front Quarter Light LH	9.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Explanation of Details Breakdown on image above:-

### Heading and Tabs

Above the tabs is the panel/part name (in this case Wing Front LH). Each group has its own tab with the subsequent breakdown i.e. MET, Panel, CP and Info

### MET

This tab lists, in alphabetical order, the strip and refit tasks required by the MET Technician to remove and replace the selected panel/part

### Panel

This tab lists, in alphabetical order, the strip and refit tasks required by the Panel Technician to remove and replace the selected panel/part

### CP

This tab lists, in alphabetical order, the Corrosion Protection applications required for the selected panel. Cavity Wax, Underbody Wax and/or Underbody Vinyl

### Info

This tab contains Methods Operation Details for a panel, and Single Panel Values

### TTS

This column displays the time allowed (time displayed is in decimal minutes) i.e. time for Aerial Cable 3.1 = 3 minutes 6 seconds


### Time

These check boxes indicate whether or not the item is included as part of the task

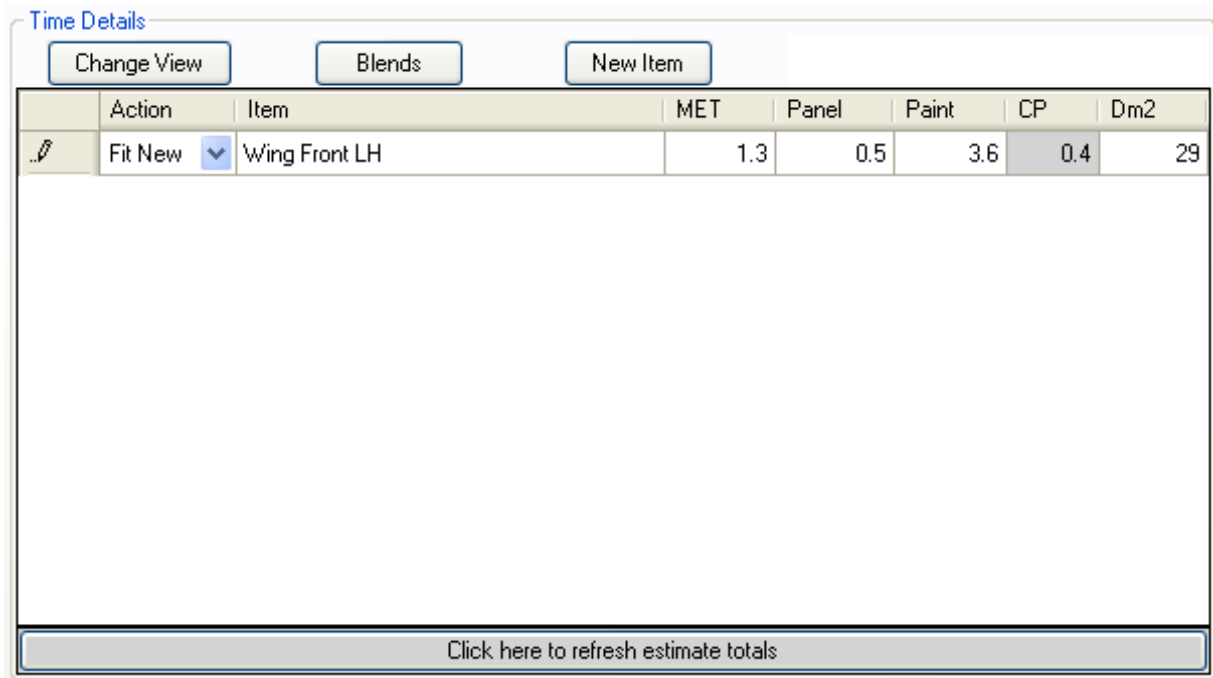
### Buy

These check boxes indicate whether or not item has been bought for replacement, some items are tasks and cannot be bought successfully i.e. Dis/Con Battery

## Shopping Basket

This holds all selected items for the estimate as entered by the user in two views Time Details and Parts Details, to switch between views click the Change View button  :-

## Time Details View



Action	Item	MET	Panel	Paint	CP	Dm2
Fit New	Wing Front LH	1.3	0.5	3.6	0.4	29

Explanation of columns/objects on image above:-

### Time Details

#### Action

Displays action to carry out to panel/part i.e.

Fit New – Bumper Front(default), **Repair** – Wing Front LH, **Paint** – Door Front LH, etc.

#### Item

Displays description of panel/part

#### MET

Displays Thatcham Stand-alone MET Time this time can be manually overwritten and can be

**Restore to Original** if an opinion time has been entered

#### Panel

Displays Thatcham Stand-alone Panel Time this time can be manually overwritten and can be

**Restore to Original** if an opinion time has been entered

#### Paint

Displays Thatcham Stand-alone Paint Time this time can be manually overwritten and can be

**Restore to Original** if an opinion time has been entered

#### CP

Displays Thatcham Stand-alone **Corrosion Protection** Time

#### Dm2

Displays Dm<sup>2</sup> (10cm x 10cm) area, used to calculate **Paint Materials**

(painted panels only) this Dm2 can be manually overwritten and can be **Restore to Original** if an opinion value has been entered

## Parts Details View

	Time Type	Action	Item	Part Number	Price
▶	Opinion	Fit New	Wing Front LH	1557142	£74.99

Click here to refresh estimate totals

Explanation of columns/objects on image above:-

### Parts Details

**Time Type**

Displays whether time is TTS (Thatcham) or Opinion

**Action**

Displays action to carry out to panel/part i.e.

Fit New – Bumper Front(default), **Repair** – Wing Front LH, **Paint** – Door Front LH, etc.

**Item**

Displays description of panel/part

**Part Number**

Displays Manufacturers Part Number, part numbers can be entered manually for parts created using the New Item button

**Price**

Displays Manufacturers Part Price, this can be updated if a new price has been released since estimate was created or the price has been manually overwritten by right-clicking price to

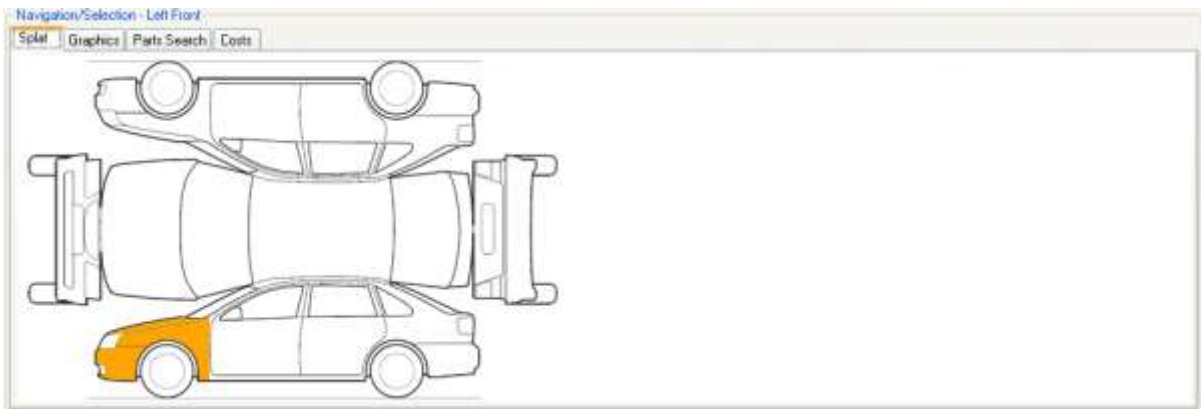
**Restore to Original**

## Navigation/Selection

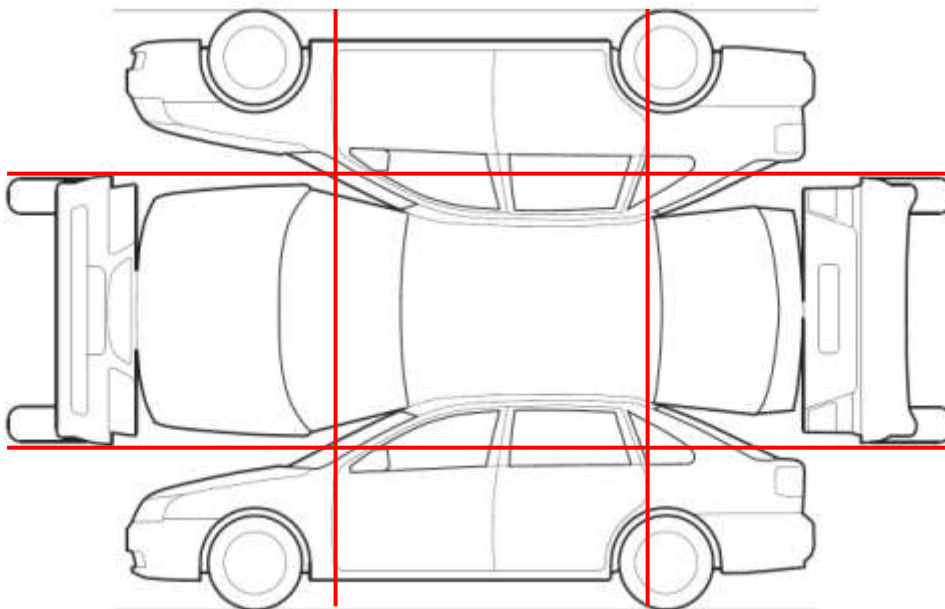
This panel contains the Splat, Graphics, Parts Search and Costs to select items for estimate in separate tabs:-

### Splat

The Splat is used to navigate around the vehicle, the highlighted area refers to the last place visited



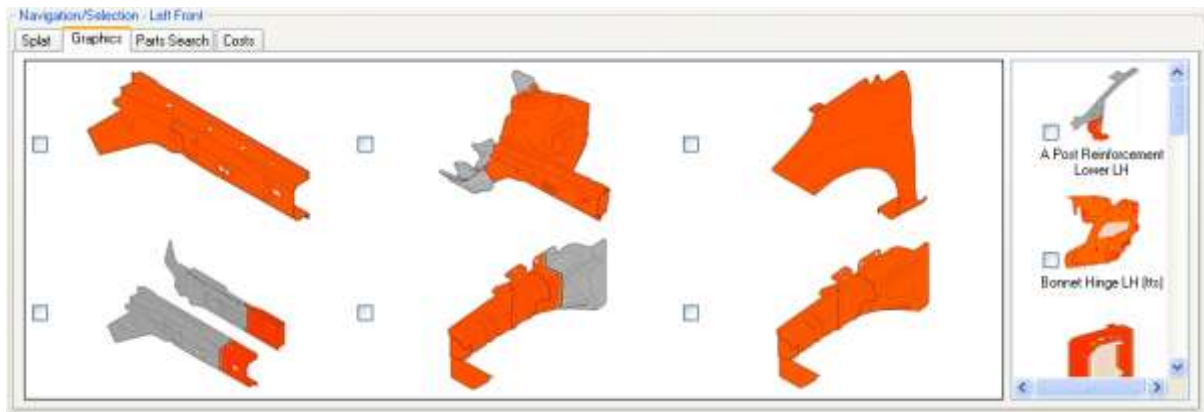
The Splat will be symbolic of the vehicle selected in this example a 5 Door Hatchback this is then split into 9 areas as shown with the **RED** lines below (Actual Splat does not have these lines, as can be seen above).



By clicking on an area you will be taken to the **Graphics** tab for that section, as in the example image at the start of this section this shows the Left Front. Other areas, reading from left to right are:- Right Front, Right Middle, Right Rear, Centre Front, Centre Middle, Centre Rear, Left Front, Left Middle and Left Rear. Only graphics for panels/parts applicable to the area will be displayed, you must return to the **Splat** to navigate to a new area.

## Graphics

The Graphics tab is used to select panels/parts for Fit New, Repair, and Paint etc.



Explanation of objects on image above:-

- Main Graphics** This area displays the most commonly used panel/parts for that area of the vehicle (in this case Left Front)
- Sidebar Graphics** This area displays less common panel/parts in thumbnail format, however these may still be relevant for your estimate

To the left of each graphic is a checkbox, when selected the panel/part will be entered into the **Shopping Basket** as Fit New or Time Only and the relevant child items will be displayed in the **Details Breakdown** as shown in that section previously, If necessary the items action can be changed to **Repair** – Wing Front LH or **Paint** – Door Front LH, etc. as required, to move to another area return to the **Splat**.

## Parts Search

The Parts Search tab is used to select OEM parts (usually those not found in the **Graphics** tab)



Explanation of objects on image above:-

- Parts Listing** Parts are listed in categories; each category holds parts appropriate to the description, as shown with Air Filter. To open the category double-click the

description or click the + sign to the left of the description. To move down the list either scroll down or if one of the categories is highlighted as in the example shown then pressing the first letter will jump to that category i.e. R = Radiator

### Manual Parts Search

Enter 3 or 4 characters of the part you are searching for i.e. stu (for Stub Axle Housing) then press the Enter key or click the Search button to find the first instance, then press the Enter key or click the Find Next button to find subsequent instances

## Costs

The Costs tab is used to select any additional costs associated with the estimate



Costs are listed in categories; each category holds costs appropriate to the description, as shown with **Additional Tasks**. To open the category double-click the description or click the + sign to the left of the description. To move down the list either scroll down or if one of the categories is highlighted as in the example shown then pressing the first letter will jump to that category i.e. J = Jig

## Example Estimate in Inter-est Vision

The example that follows will have the following elements:-

### Fit New

Fit New – Bumper Front  
Fit New – Bonnet  
Fit New – Wheel Road Alloy (Buy Twice) – Buy two of the same part from Parts Search

### Repair

Repair – Wing Front LH(Dented panel)

### Paint (Repair)

Paint – Door Front LH(Surface refinish due to scratch etc.)

### Blend

Blend – Adjacent Panels

### Final Estimate

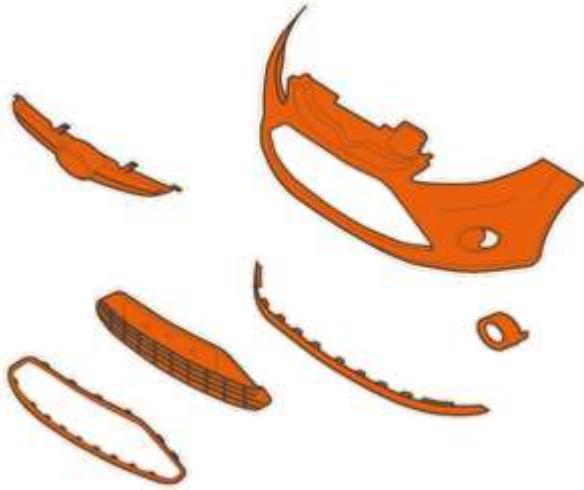
Display

Final Estimate as an example

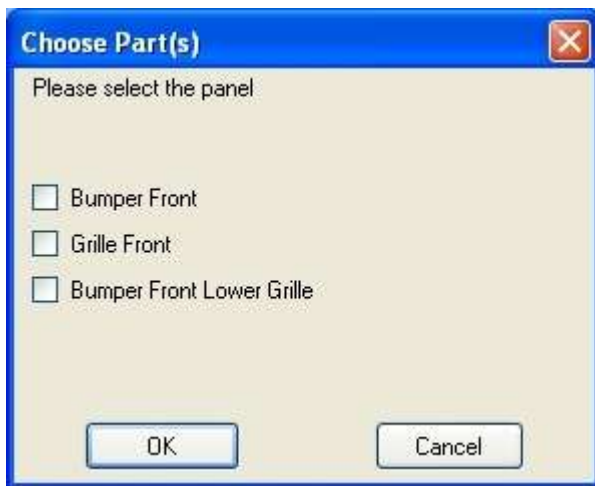


## Fit New – Bumper Front

Having identified the vehicle and adding any images required, go to the **Vision** - Estimate and click on the Centre Front on the **Splat** then in the **Graphics** tab check the box alongside the Bumper Front:-



Because this part is a multi-part graphic it will pop up the following dialog box, allowing you to select which parts are required:-



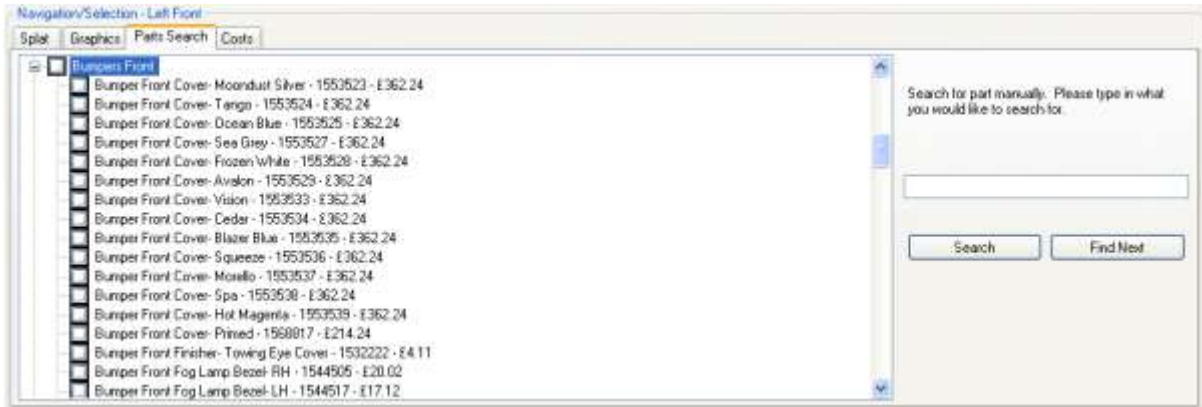
If you select Bumper Front Inter-est Vision will enter the labour times and Dm2 (if painted) into the **Shopping Basket** as Action **Time Only** and the following dialog box will usually pop up:-



This is because the

Version Number: 1.1

Fit New – Bumper Front is an assembly therefore Inter-est Vision will take you to the Bumpers Front category in **Parts Search** to select which parts of the assembly you require:-



Parts selected from here will then go into the **Shopping Basket** as Action Fit New along with their OEM part number and price. If parts selected are in the **Details Breakdown** of the

**Version Number: 1.1**

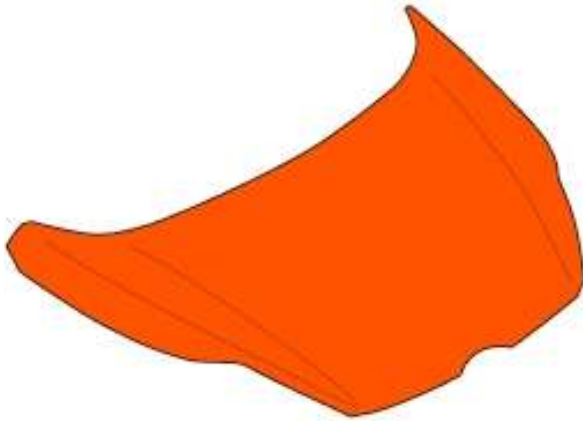
Fit New – Bumper Front they may display some labour time, however this will not increase your overall time as their time will be inclusive of the labour time for the

**Version Number: 1.1**

Fit New – Bumper Front.

## Fit New – Bonnet

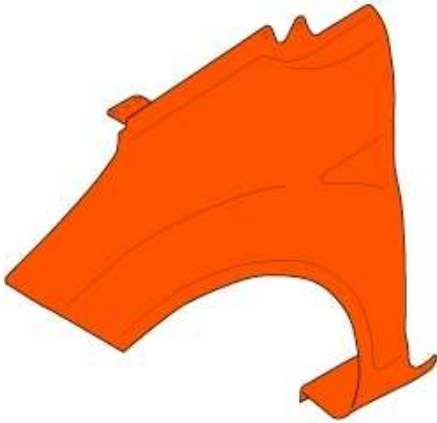
Returning to the **Graphics** tab check the box alongside the **Bonnet**:-



Inter-est Vision will enter the labour times and Dm2 into the **Shopping Basket** as Action **Fit New** along with the OEM part number and price.

## Repair – Wing Front LH

Return to the **Splat** and click on the Left Front on the **Splat** then in the **Graphics** tab check the box alongside the **Wing Front LH** to enter into the **Shopping Basket** as per the **Fit New – Bonnet** above:-



To change this part to **Repair – Wing Front LH** click in the Action field and press the **R** key or select **Repair – Wing Front LH** from the combo box:-

	Action	Item	MET	Panel	Paint	CP	Dm2
▶	Fit New ▼	Wing Front LH	1.3	0.5	3.6	0.4	29
	<div style="border: 1px solid black; padding: 2px;">                     Fit New                      Repair                      Blend into                      Paint                      Remove for access                      Unrelated Damage                      Buy for Disassembly                      Excluded by Operator                 </div>						

Selecting **Repair – Wing Front LH** will change the entry as per the example below, also the OEM part number and price have been removed:-

	Action	Item	MET	Panel	Paint	CP	Dm2
✎	Repair ▼	Wing Front LH	0.0	0.0	0.0	0.4	22

Explanation of the result of the action change to **Repair – Wing Front LH** is explained below by column headings:-

<b>Action</b>	This has been changed from <b>Fit New</b> to <b>Repair – Wing Front LH</b>
<b>Item</b>	This obviously remains unchanged but will mark with an (S) if a supplement
<b>MET</b>	This is set to 0.0 however, there is no need to enter an opinion time, as a selection of the appropriate items from the <b>MET Details Breakdown</b> will provide the user with a much more acceptable Thatcham based MET value, see <b>MET – Repair, Paint and Blend</b> below
<b>Panel</b>	This is set to 0.0 If the user now enters a manual entry in to the Panel column, this will be indicated by turning <b>RED</b>
<b>Paint</b>	This is set to 0.0 however, the <b>GREEN</b> box in the Paint column indicates that a Thatcham repair paint time will be calculated, so no opinion time

**CP** required  
This remains at 0.4

**Dm2** This has been reduced to 75% of the original size (29) to 22. This is based on a reduced use of Paint Material as compared to a new panel, 10% Etch, 25% Primer, 50% Basecoat and 100% Lacquer – see Thatcham Newsletter TL829 and TL845

## MET – Repair, Paint and Blend

Using appropriate items from the MET **Details Breakdown** will provide the user with a much more acceptable Thatcham based MET value:-

Description	TTS	Time	Buy
Bumper Fixing Front	14.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DV Focus Front Foglamps	8.0	<input type="checkbox"/>	<input type="checkbox"/>
DV Focus Headlamps	8.0	<input type="checkbox"/>	<input type="checkbox"/>
DV Load-Unload Veh to Ramp	7.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DV Side Screen Water Test Front LH	6.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Headlamp LH	6.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Insulation Wing Front LH	0.8	<input type="checkbox"/>	<input type="checkbox"/>
Wing Front Liner LH	6.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Wing Front Liner RH	6.2	<input type="checkbox"/>	<input type="checkbox"/>
Wing Front Quarter Light LH	9.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>

In the example shown above only some items have the Time box checked as not all are required for the **Repair** – Wing Front LH in this case. Select all items you need to remove from panel to facilitate the **Repair** – Wing Front LH even if already included in the estimate, this ensures nothing is missed. As mentioned earlier in the **Details Breakdown** tab items can be bought at this pointy by simply clicking the Buy check box as shown here against the Wing Front Liner LH.

## Paint – Door Front LH

Return to the **Splat** and click on the Left Middle on the **Splat** then in the **Graphics** tab check the box alongside the Door Front LH to enter into the **Shopping Basket** as per the Bonnet above:-



To change this part to **Paint – Door Front LH** click in the Action field and press the **P** key or select **Paint – Door Front LH** from the combo box:-

	Action	Item	MET	Panel	Paint	CP	Dm2
	Fit New	Door Front LH	1.8	0.4	3.9	0.4	81
	<ul style="list-style-type: none"> <li>Fit New</li> <li>Repair</li> <li>Blend into</li> <li>Paint</li> <li>Remove for access</li> <li>Unrelated Damage</li> <li>Buy for Disassembly</li> <li>Excluded by Operator</li> </ul>						

Selecting **Paint – Door Front LH** will change the entry as per the example below, also the OEM part number and price have been removed:-

	Action	Item	MET	Panel	Paint	CP	Dm2
	Paint	Door Front LH	0.0	0.0	0.0	0.0	61

Explanation of the result of the action change to **Paint – Door Front LH** is explained below by column headings:-

<b>Action</b>	This has been changed from <b>Fit New</b> to <b>Paint – Door Front LH</b>
<b>Item</b>	This obviously remains unchanged but will mark with an (S) if a supplement
<b>MET</b>	This is set to 0.0 however, there is no need to enter an opinion time, as a selection of the appropriate items from the <b>MET Details Breakdown</b> will provide the user with a much more acceptable Thatcham based MET value, see <b>MET – Repair, Paint and Blend</b> above
<b>Panel</b>	This is set to 0.0 and as this is a paint only no panel time is required
<b>Paint</b>	This is set to 0.0 however, the <b>GREEN</b> box in the Paint column indicates that a Thatcham repair paint time will be calculated, so no opinion time required

- CP** This is set to 0.0 and as this is **Paint** – Door Front LH only no **Corrosion Protection** time is required
- Dm2** This has been reduced to 75% of the original size (81) to 61. This is based on a reduced use of Paint Material as compared to a new panel, 10% Etch, 25% Primer, 50% Basecoat and 100% Lacquer – see Thatcham Newsletter TL829 and TL845

## Fit New – Wheel Road Alloy (Buy Twice)

In some cases you will need to buy the same part twice this can happen where one part is fitted to multiple parts of the car i.e. Wheels, so whilst not a common problem, does require explanation. Go to the **Parts Search** tab find the category select the item (i.e. Wheel Road Alloy) then right-click to bring up the **Buy Again** dialog:-



Inter-est Vision will enter the items as single lines in the **Shopping Basket** along with the OEM part number and price along with any associated labour time.

## Blend – Adjacent Panels

This should only be selected at the end of the estimate to ensure all panels are accounted for. When clicked the following dialog box will pop up displaying the recommended **Blend** panels based on the estimate:-



Highlight the panels required by clicking on them, and then click the OK button this will enter selected **Blend** panels into the **Shopping Basket** as Action **Blend into** as per the example below:-

	Action	Item	MET	Panel	Paint	CP	Dm2
▶	Blend into ▼	A Post Outer LH	0.0	0.0	0.0	0.0	12
	Blend into ▼	A Post Outer RH	0.0	0.0	0.0	0.0	12
	Blend into ▼	Wing Front RH	0.0	0.0	0.0	0.0	9

Explanation of the result of the selection of **Blend into** panels is explained below by column headings:-

<b>Action</b>	This has been entered automatically as <b>Blend into</b>
<b>Item</b>	This obviously remains unchanged but will mark with an (S) if a supplement
<b>MET</b>	This is set to 0.0 however, there is no need to enter an opinion time, as a selection of the appropriate items from the <b>MET Details Breakdown</b> will provide the user with a much more acceptable Thatcham based MET value, see <b>MET – Repair, Paint and Blend</b> above
<b>Panel</b>	This is set to 0.0 and as this is a blend only no panel time is required
<b>Paint</b>	This is set to 0.0 however, the <b>GREEN</b> box in the Paint column indicates that a Thatcham blend paint time will be calculated, so no opinion time required
<b>CP</b>	This is set to 0.0 and as this is a blend only no <b>Corrosion Protection</b> time is required
<b>Dm2</b>	This has been reduced to 28% of the original size (42, 42 and 29) to 12, 12 and 9. This is based on a reduced use of Paint Material as compared to a new panel – see Thatcham Newsletter TL845

## Final Estimate

Below are examples of both views of the **Shopping Basket** for the sample estimate:-

### Time Details View

Time Details

Change View Blends New Item Imp/Exp

Action	Item	MET	Panel	Paint	CP	Dm2
Time Only	Bumper Front	1.2	0.0	3.5	0.0	95
Fit New	Bumper Front Cover- Primed	0.0	0.0	0.0	0.0	0
Fit New	Bonnet	0.4	0.4	4.0	0.4	103
Repair	Wing Front LH	1.0	1.0	0.0	0.4	22
Fit New	Wing Front Liner LH	0.2	0.0	0.0	0.0	0
Paint	Door Front LH	1.1	0.0	0.0	0.0	61
Fit New	Wheel Road Alloy	0.0	0.0	0.0	0.0	0
Fit New	Wheel Road Alloy	0.0	0.0	0.0	0.0	0
Blend into	A Post Outer LH	0.2	0.0	0.0	0.0	12
Blend into	A Post Outer RH	0.2	0.0	0.0	0.0	12
Blend into	Wing Front RH	1.0	0.0	0.0	0.0	9

Click here to refresh estimate totals

Note the **RED** (Opinion) and **GREEN** (Auto Thatcham) cells as described previously

### Parts Details View

Parts Details


Change View Blends New Item Imp/Exp

Time Type	Action	Item	Part Number	Price
TTS	Time Only	Bumper Front		£0.00
None	Fit New	Bumper Front Cover- Primed	1568817	£214.24
TTS	Fit New	Bonnet	1526367	£141.92
Opinion	Repair	Wing Front LH		£0.00
TTS	Fit New	Wing Front Liner LH	1553656	£12.25
Opinion	Paint	Door Front LH		£0.00
None	Fit New	Wheel Road Alloy	1495707	£136.64
None	Fit New	Wheel Road Alloy	1495707	£136.64
TTS	Blend into	A Post Outer LH		£0.00
TTS	Blend into	A Post Outer RH		£0.00
TTS	Blend into	Wing Front RH		£0.00





Click here to refresh estimate totals










# Additional Tasks

## Delete an Entry





To delete a part select the blank field to the left of the Action, this will highlight the entire line as per example below, and then press the Delete key  on the keyboard.

Time Details

Change View   Blends   New Item   Imp/Exp      

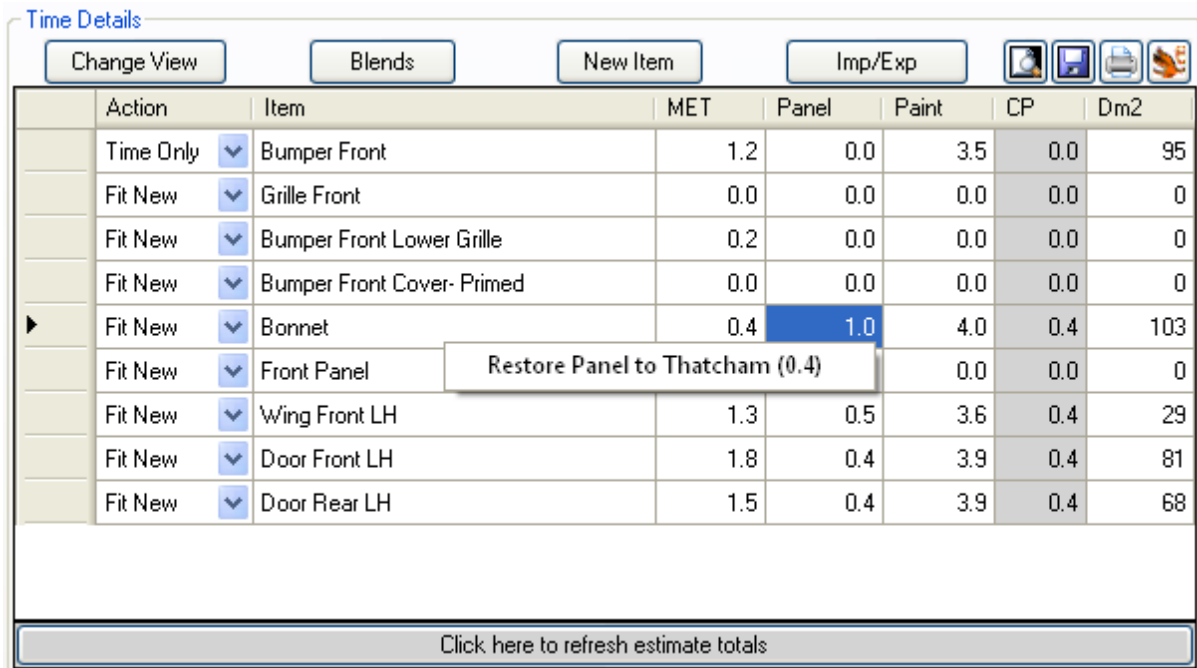
	Action	Item	MET	Panel	Paint	CP	Dm2
	Time Only 	Bumper Front	1.2	0.0	3.5	0.0	95
	Fit New 	Grille Front	0.0	0.0	0.0	0.0	0
▶	Fit New 	Bumper Front Lower Grille	0.2	0.0	0.0	0.0	0
	Fit New 	Bumper Front Cover- Primed	0.0	0.0	0.0	0.0	0
	Fit New 	Bonnet	0.4	0.4	4.0	0.4	103
	Fit New 	Front Panel	3.3	0.0	0.0	0.0	0
	Fit New 	Wing Front LH	1.3	0.5	3.6	0.4	29
	Fit New 	Door Front LH	1.8	0.4	3.9	0.4	81
	Fit New 	Door Rear LH	1.5	0.4	3.9	0.4	68

Click here to refresh estimate totals

Multiple lines can be selected by holding the Ctrl key  and selecting all that require deleting, and then press the Delete key  on the keyboard. If they are all together, then multiple lines can be selected by holding the Shift key  and selecting the first and then the last in the list that require deleting, and then press the Delete key  on the keyboard.

## Restore to Original

If it is necessary to restore the original time, Dm<sup>2</sup> or price to any cell right click on the cell to bring up the **Restore** dialog as shown in the example below:-



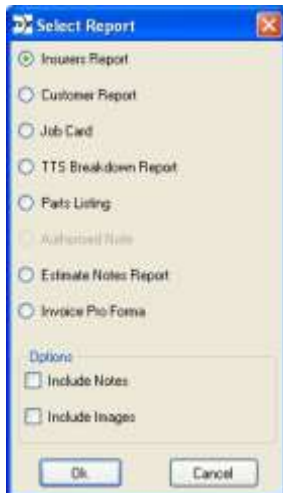
The screenshot shows a window titled "Time Details" with a table of items. The table has columns for Action, Item, MET, Panel, Paint, CP, and Dm2. A context menu is open over the "Panel" cell for the "Bonnet" item, displaying the text "Restore Panel to Thatcham (0.4)".

Action	Item	MET	Panel	Paint	CP	Dm2
Time Only	Bumper Front	1.2	0.0	3.5	0.0	95
Fit New	Grille Front	0.0	0.0	0.0	0.0	0
Fit New	Bumper Front Lower Grille	0.2	0.0	0.0	0.0	0
Fit New	Bumper Front Cover- Primed	0.0	0.0	0.0	0.0	0
Fit New	Bonnet	0.4	1.0	4.0	0.4	103
Fit New	Front Panel			0.0	0.0	0
Fit New	Wing Front LH	1.3	0.5	3.6	0.4	29
Fit New	Door Front LH	1.8	0.4	3.9	0.4	81
Fit New	Door Rear LH	1.5	0.4	3.9	0.4	68

Click here to refresh estimate totals

## Printing

When the print icon is clicked the following dialog box will pop up:-

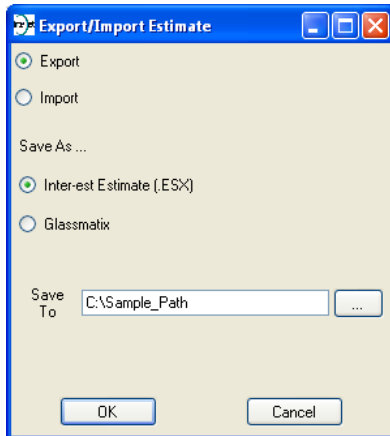


All print outs are in PDF format and the options at the bottom of the dialog box allow the user to include things such as Images, this is useful for emailing to a third party.

## Export and Import

### Export

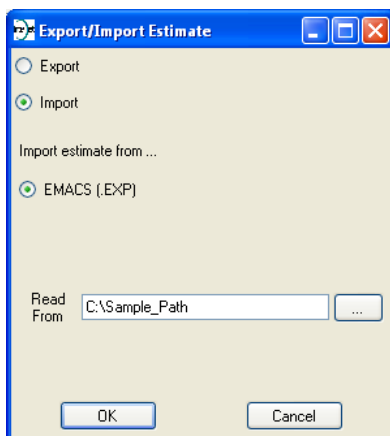
The main function of this feature is to create an export file which can be imported by most major Management Systems. When clicked the following dialog box will pop up:-



The default is Inter-est Estimate (.ESX) however some Management Systems may require the Glassmatix format to select this simply click the radio button by Glassmatix. The first time this dialog box is used there may be no entry in the **Save To** field, this must be the path expected by your Management System. Once this path has been entered Inter-est will remember it, when all details are filled in click the **OK** button

### Import

This dialog box can also to import data from your Management System i.e. Administration data, Rates, etc. if Import selected the dialog box will look like the example below:-



The first time this dialog box is used there may be no entry in the **Read From** field, this must be the path expected by your Management System. Once this path has been entered Inter-est will remember it, when all details are filled in click the **OK** button.

# Other Useful Information

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## Vision and Thatcham data

Vision uses unedited times and part numbers supplied direct from Thatcham's Times System (TTS) and Thatcham's Parts System (TPS).

Thatcham divide repair operations into four main categories: MET, Panel, Paint & Corrosion Protection. Each panel selected in Vision will where applicable include time allowances from all 4 categories. Thatcham times are displayed in decimal hours where 1 hour contains 10 decimal units; i.e. 0.1 hr = 6 minutes. The minimum published time for a panel however will be 0.3 hours.

## MET – Mechanical, Electrical and Trim

This is the allowance for the removal & refitting of undamaged mechanical, electrical and trim components necessary to complete an operation and observe all the relevant Health and Safety requirements. Where a welding operation is involved, the battery and alternator must be disconnected to avoid risk of damage to these items. Each manufacturer's recommendations are taken into account, including any instructions in respect of other electrical items such as SRS modules and ECUs the times for such operations are automatically included. Items are removed as an assembly where possible, such as in the case of Radiator if it is to be removed and replaced during the course of a repair, time is included with the appropriate panel. However, if the radiator has to be renewed because of damage, time is not included for the dismantling and reassembly of the radiator components such as cowls and fans. Where this is necessary, an opinion time should be agreed between the estimator and the assessor.

## Panel

This is the allowance for the Removal and Replacement of a NEW metal panel. – Welded or Bolted. In some cases a panel may not be fitted as supplied or may need sectioning to facilitate the repair. Always refer to the Thatcham Methods Manual, where possible, by clicking on the escribe icon in Vision.

## Paint

This is the allowance for preparation and painting of NEW panels, included is the time to mix the paint, apply guide coats and test panels, gun cleaning, stone chip and sealer application where necessary. The paint times published reflect the use of a fully dry-flatted process, the application of a high solid two-pack material and the requirements of current EPA regulations.

Adjustment to times may be needed if an alternative method is used. The times include the sealing of exterior joints between primer and colour application. Other operations such as matt black and stone chip primer applications are also included, where necessary.

Paint times reflect the service condition of panels which are finished in an E-coat primer that requires minimum preparation before the application of a paint system.

## Corrosion Protection

This is the allowance for application of Corrosion Protection. Where a manufacturer gives a corrosion protection guarantee and has issued specific instructions and methods for treatment following accident repairs, these will be applied. In addition, the inner surfaces of MIG welded joints are treated with cavity wax material recommended by the manufacturer after repair, whether this is part of the production process or not. For each panel that has a published application time there may be up to 3 different stages or applications these being:

- Cavity Protection
- Underbody Wax
- Underbody Vinyl

## Job Allowance

This is the allowance for vehicle movement in and out of the workshop, obtaining tools and materials from store. Job Allowance is calculated as follows:

- 0.3 hrs for a single panel
- 0.5 hrs for any combination of significant panels
- 0.6 hrs for a replacement Bodyshell

Further to the times listed above Thatcham also supply the following task related items:-

## Paint Materials

This is based on the dimensions of a painted panel in Dm<sup>2</sup> (10cm x 10cm) and is used to calculate the Paint Materials required for a panel, this is only applied to panels which have a paint time. To clarify what the calculations refer to, below is a list of those items included and not included within the Thatcham Paint Material costs...

Paint Material Items	New, Repair and Paint	Blend Into	Items Not Included
Sanding Discs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fibre Grinding Discs
Wet & Dry	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Body Filler
Scotch-Brite™	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Production Paper Strips
Masking tape	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cavity Wax
Masking Paper	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underbody Vinyl
Plastic Car Cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underbody Wax
Body Sealer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plasticiser
Stone Chip	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plastic Primer
Paper Overalls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Face Mask	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Disposable Gloves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Panel Wipes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Paint Strainers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tack Rags	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Degrease Solvent	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Polish Cloth	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Polish	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Cleaning Thinners	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Container - Paper Cup	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Container - Tin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Etch Primer RFU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Primer RFU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Solid Colour - Mix Scheme RFU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Basecoat - Mix Scheme RFU	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Lacquer RFU	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

The paint costs for refinishing panels include both wet and dry goods e.g. paint, masking tape. The values are derived from an average of 8 leading paint companies (individual paint costs are also included). Thatcham Repair Paint Material values are intended to cater for the partial refinishing of the panel in question and are based upon the following material usage:

Etch Primer 10%  
 Primer 25%  
 Colour 50%  
 Lacquer 100%

Where the repair calls for a significantly different material coverage than that stated above, the paint time should be adjusted accordingly by negotiation between the estimator and the assessor.

## Average Panel Sizes

In some cases when entering a **Vision - Estimate** (manual entry) you will need some idea of Dm<sup>2</sup> for the panel you are entering below is a guide to an average across the entire database and therefore do NOT constitute an exact match for any one vehicle.

Panel/Part	Car	4x4	LCV
Bodyside Centre			200
Bodyside Rear			187
Bonnet	135	162	110
Boot Lid	91		
Bumper Front	84	47	66
Bumper Rear	90	58	76
Door Back			104
Door Front	81	85	95
Door Front Moulding	11		
Door Mirror	3	4	
Door Rear	68	64	
Door Rear Moulding	8		
Front Panel	41	58	58
Grille Front	9	11	20
Quarter Panel	75	90	122
Quarter Panel Moulding	4		
Rear Panel	48	23	27
Roof Panel	162	265	316
Roof Panel Front			133
Roof Panel Rear			296
Spoiler Rear	28	36	
Tailgate	78	82	
Wing Front	39	43	
Wing Front Moulding	2		

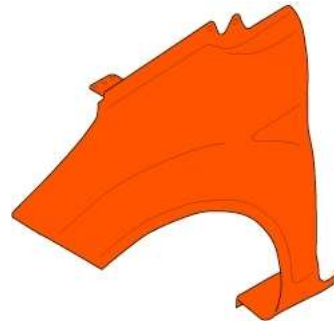
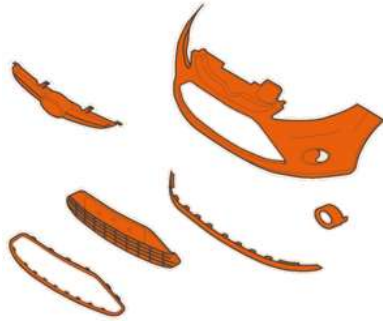
Also bear in mind that these should be reduced when used as a manual entry for Repair, Paint or Blend. The Dm<sup>2</sup> value should be reduced in line with the standard reductions made by Thatcham for these panels as follows:-

**Repair or Paint** reduce to 75% of original Dm<sup>2</sup> this can be done by multiplying the original value by 0.75

**Blend** Panels reduce to 28% of original Dm<sup>2</sup> this can be done by multiplying the original value by 0.28

## Overlap

Using Thatcham's data Vision will only allow time for the removal of components once within an estimate, this is referred to as overlap see the example below:-



### Front Bumper

Bumper Fixing Front	14.8
Bumper Front Fog Lamp Finisher LH	1.8
Bumper Front Fog Lamp Finisher RH	1.8
Bumper Front Lower Grille	7.9
Bumper Front Upper Grille	3.5
DV Focus Front Foglamps	8.0
DV Load-Unload Veh to Ramp	7.0
Lamp Fog Front LH	2.9
Lamp Fog Front RH	2.9
Misc Bumper Front	6.1
Wing Front Liner LH	6.2
Wing Front Liner RH	6.2

### Front Wing LH

← →	Bumper Fixing Front	14.8
→	DV Focus Front Foglamps	8.0
→	DV Focus Headlamps	8.0
→	DV Load-Unload Veh to Ramp	7.0
→	DV Side Screen Water Test Front LH	6.2
←	Headlamp LH	6.4
←	Insulation Wing Front LH	0.8
→	Wing Front Liner LH	6.2
→	Wing Front Liner RH	6.2
→	Wing Front Quarter Light LH	9.5

<u>Total in Decimal Minutes</u>	<u>69.1</u>
<u>Total in Decimal Hours</u>	<u>1.2</u>

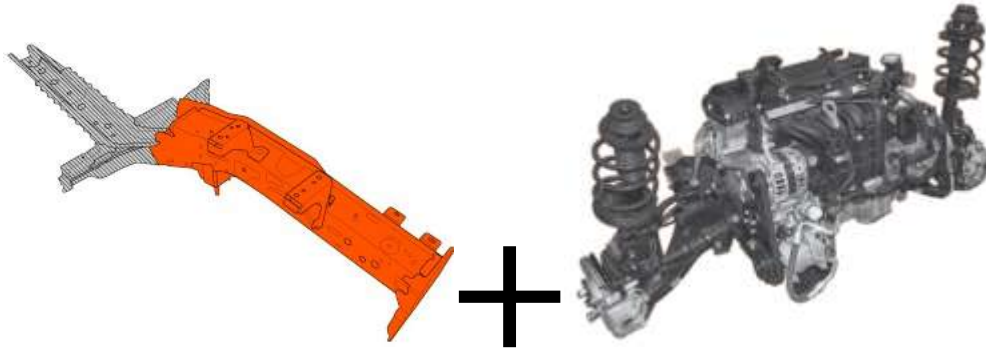
<u>73.1</u>
<u>1.3</u>

The times shown above are in decimal minutes so are then divided by 60 to display the time in decimal hours. However as shown above the Front Wing LH shares some items with the Front Bumper these are therefore removed in overlap making a reduction of 42.2 minutes which is 0.8 hours. This would mean their combined value after overlap would be 1.7

## Advanced features

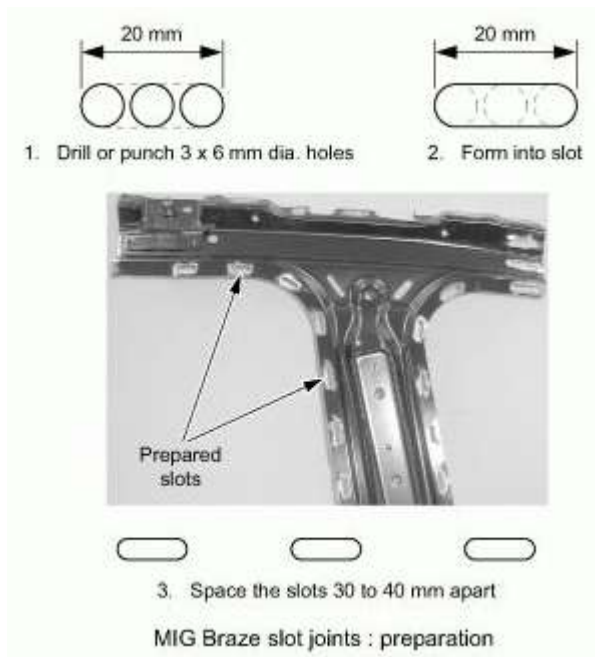
### Take off Panels

This refers to additional task required to carry out the replacement of a panel, this is intended to make it clearer for the user. An example of this is when selecting a Full Chassis Leg Vision will automatically add a line into the estimate for Engine & Suspension R&R.



### Methods Operational Detail

On occasion some panels will require a non-standard method of replacement such as Drill Out UHSS Spot Welds, Cut slot for MIG Braze and Apply Adhesive in this case this information will be displayed in Vision as well as the Estimate printout. The details of this process will be outlined in the Thatcham Methods Manual.



## Repair

Thatcham also supply a Repair paint time for those panels considered repairable, usually non-structural panels. When a panel is changed to Repair from Fit New the Dm<sup>2</sup> will be reduced to 75% of the original Dm<sup>2</sup> to account for the overall reduction of Paint & Materials required for Repair versus Replace. Paint & Materials for repair are based on 10% Etch Primer, 25% Primer, 50% Base Coat and 100% Lacquer. Repaired panels also retain their original Corrosion Protection time. Repair panels do NOT include the time to remove or mask any MET items. Vision does however provide the mechanism that allows the selection of the MET items and will provide the genuine core times from TTS thereby completing this operation.

## Paint

This is unique to Vision and refers to Paint Only damage such as scratches. This applies the same logic as Repair, but does not retain the original Corrosion Protection time.

## Blend Panels

Thatcham times include a method to automatically identifying those panels which are adjacent panels and therefore would need blending. This also includes Blend paint time values dependent upon the dimension and location of these panels. When a Blend panel is selected the Dm<sup>2</sup> will be reduced to 28% of the original Dm<sup>2</sup> to account for the overall reduction of Paint & Materials required for Blend versus Replace. Blend panels do NOT include the time to remove or mask any MET items. Vision does however provide the mechanism that allows the selection of the MET items and will provide the genuine core times from TTS thereby completing this operation.

## Methods

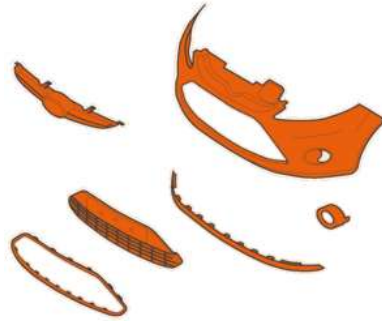
Unlike most estimating systems, Vision uses Thatcham's Data and Methods Graphics to present Methods Based Estimating.

## Strip & Refit Method

As shown in the overlap section the information shown in the Breakdown in Vision gives the user a virtual method for strip & refit, as it details all tasks and items to be removed to facilitate replacement. Using the Front Bumper as an example you can see this in the example below:-

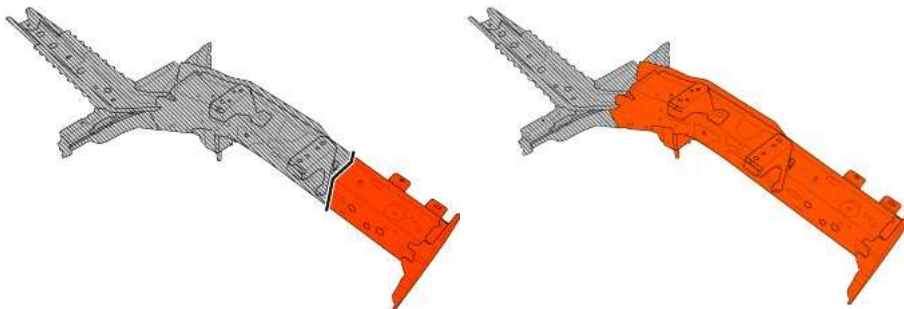
### Front Bumper

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Wing Front Liner LH	6.2
Wing Front Liner RH	6.2



## Panel Fitment Method

The Graphics in Vision allow the estimator to apply a specific Method of repair as part of the process. Rather than simply buying new parts, the user identifies the preferred Method of repair via the graphics. Using the example below the estimator would select the preferred method to fit the Chassis Leg based on the severity of the damage, In both cases this would mean buying a full Chassis Leg Assembly, but the time would be appropriate to the graphic selected:-



In most other systems the estimator would simply select the full Chassis Leg Assembly and then work out how it might be fitted; the time supplied would give no indication of the method applied.

## Additional Time

Thatcham times are researched on new, undamaged vehicles and the resultant time is for the straightforward Removal and Replacement of items. The Engineer and Repairer must assess the Repairer's working practices, variations in age and condition of the vehicle and other associated work, and adjustments made as necessary.

## Age or Damage Allowance

Older vehicles may require more time to dismantle simply because the vehicle may have suffered from corrosion that will affect the time to remove certain components.

If difficulty is anticipated in removing components due to corrosion or previous damage, additional time should be negotiated.

## Modifications

Where a vehicle has been modified and is not as per the researched model then the modifications will need to be considered when compiling the estimate.

## Jig Times

Thatcham allow standard times for loading a vehicle on and off a jig system, these times are not included within any other operation and will need to be entered as an additional item as follows:

- Jig Mount - Universal (Bracketless) System = 2.5 hours.
- Jig Mount - Bracket System = 3.5 hours.

These are standard jig loading times and do not include any time that may be required for pulling, Thatcham do not produce times for pulling because each incident will vary and therefore opinion times are used.

If the vehicle needs to be put on a jig and a bracket system is employed then the cost of hiring brackets to suit the vehicle in question may need to be added when compiling the estimate.

## Geometry Checks

Panels that require the removal of a Suspension Assembly will include a time of 0.6 hour for a basic Geometry Check, but this does not include any time for making geometry adjustments.

## Final Check and Test

Thatcham times do not include the time to carry out Final Checks or Road Test a vehicle following a repair. If these are to be carried out then the time for of these operations will need to be added when the estimate is being compiled.

## Vehicle Cleaning or Valeting

Thatcham times do not include any time for cleaning the vehicle, opinion time for this operation needs to be negotiated if this is required.

## Parts Data

Thatcham also supply TPS (Thatcham's Parts System) this matches up-to-date OEM part numbers and prices for the above items as well as many ancillary parts such as wheel bearings, suspension components etc. These are updated on a Monthly basis.