**VWSA**

***PPSO for Special Markets***

***User Manual***

***Version 1.1.1***

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# Document Information

## Change History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Changed Chapters** | **Author** |
| 2021/09/22 | 1.0.0 | Initial Document | Storm Chambel |
| 2021/10/01 | 1.0.1 | Stage 2 | Storm Chambel |
| 2021/11/09 | 1.0.2 | Weekly Task Scheduler | Johan Stander |
| 2021/11/10 | 1.0.3 | Stage 3 | Storm Chambel |
| 2022/02/16 | 1.0.4 | Stage 4 and Stage 5 | Storm Chambel |
| 2023/11/10 | 1.1.0 | CR001 Changes | Johan Stander |
| 2023/11/23 | 1.1.1 | CR001 Amendments | Mfezeko Kondleka |

# Introduction

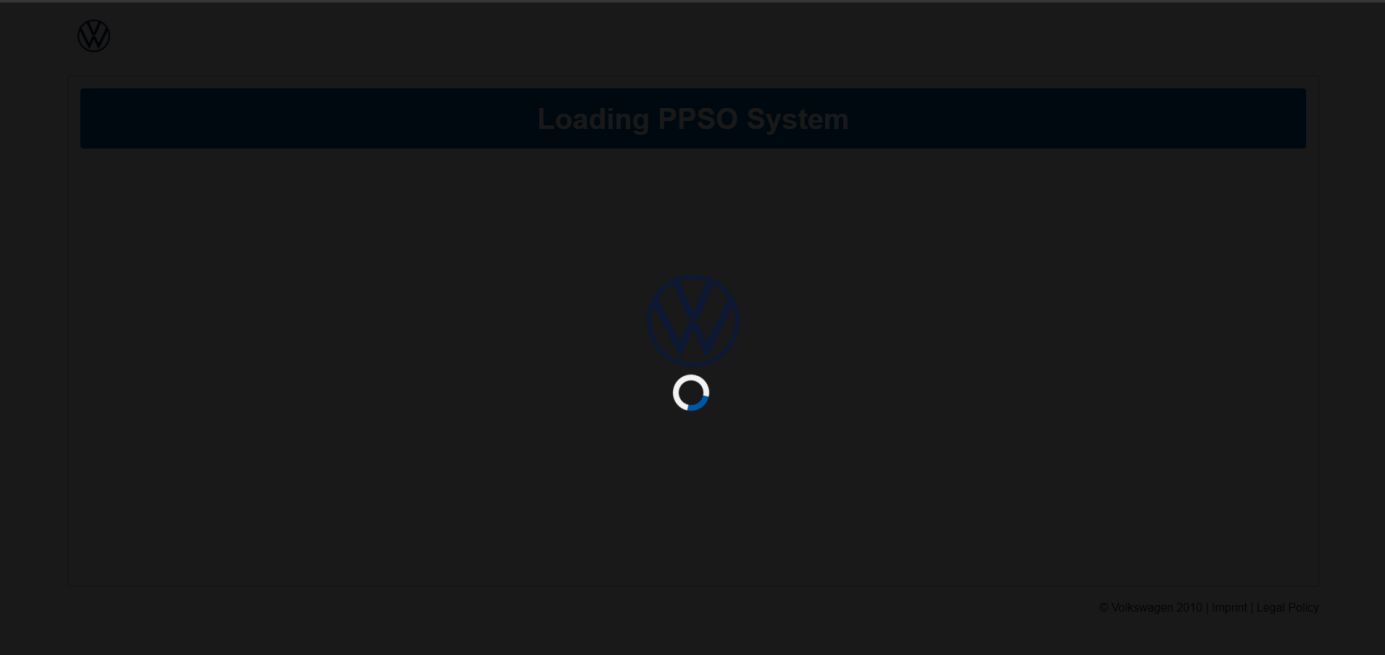
The PPSO system is an online system that simplifies the process of retrieving vehicle service data that enables Special Market clients (Rental, Leasing Fleet and Government) customers the ability to access the parts system, labour operation codes and time units so that they can develop their own parts baskets.

# Web application usage

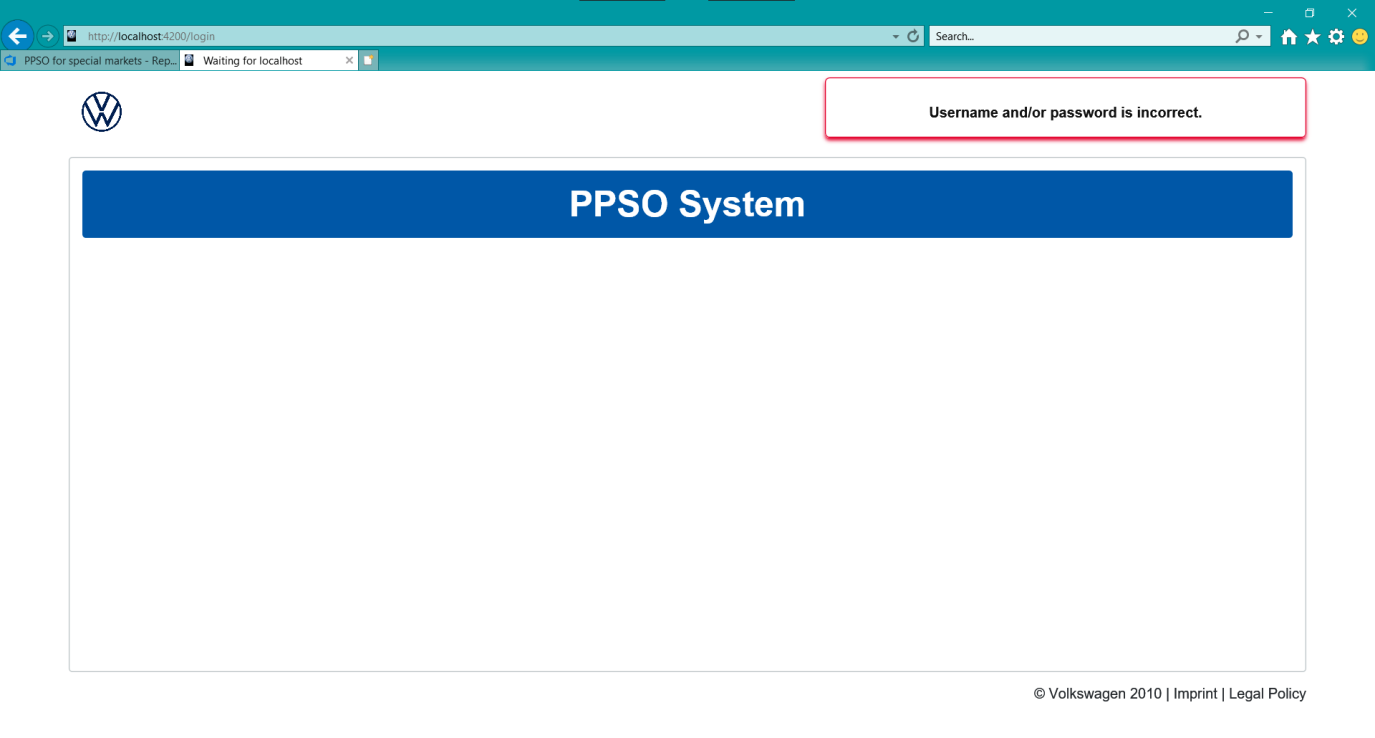
## Loading Screen

Upon visiting the website, a user will be met with a loading screen, where their log in details are retrieved from the active directory.

Upon an invalid login, the user will see a red error message appear, informing them that there is an error with their login credentials. Another message will appear stating that page needs to be refreshed.



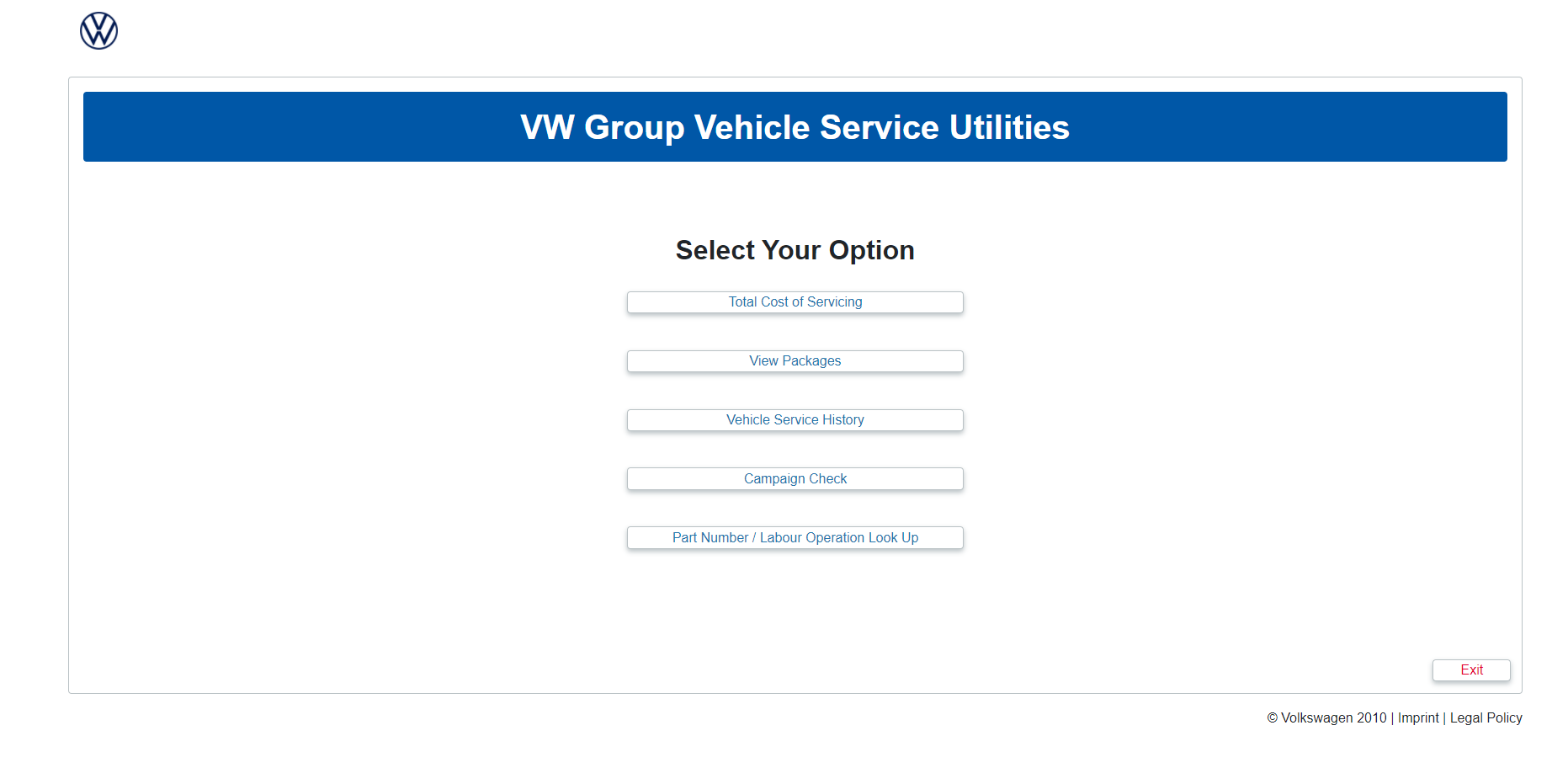
*Figure 1: Loader Screen*



*Figure 2: Loader Screen Invalid*

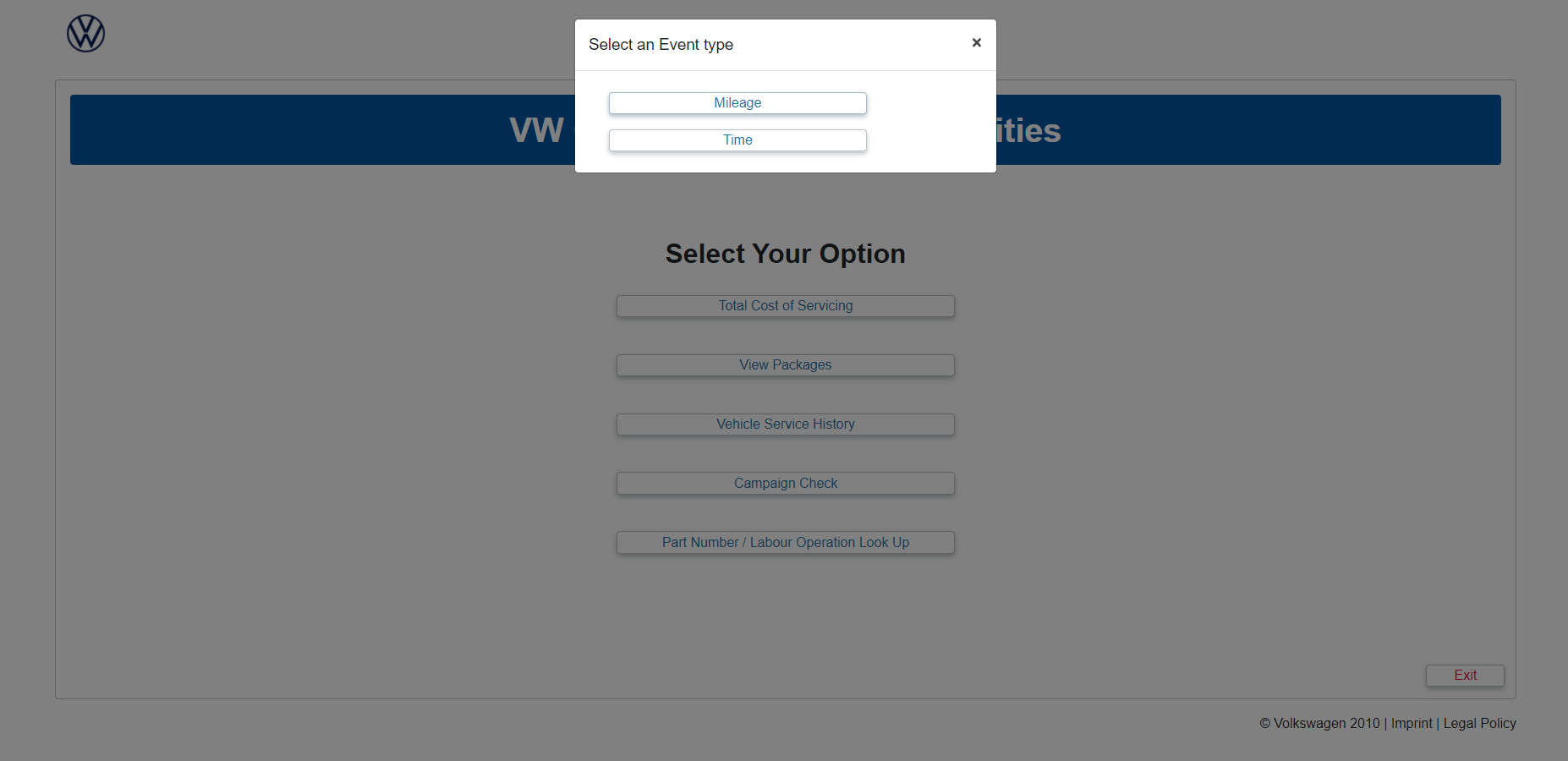
## Navigation for Users

Once a user logs in successfully, they will be redirected to fleet user navigation page.On this page users are able to navigate through the system using the provided buttons.



*Figure 3: User Fleet Navigation*

Total Cost of Servicing consists of two options which are Total Cost of Servicing using mileage and Total Cost of Servicing using time. With the provided buttons users can navigate to the appropriate page.



*Figure 4: Total Cost of Services Types*

## Total Cost of Servicing

Total Cost of Servicing comes with 2 different options: time and mileage. Both pages have the same function and look beside the difference between generating a report based on time and generating a report based on mileage. This page consists of 3 drop down boxes, 2 buttons and a table.



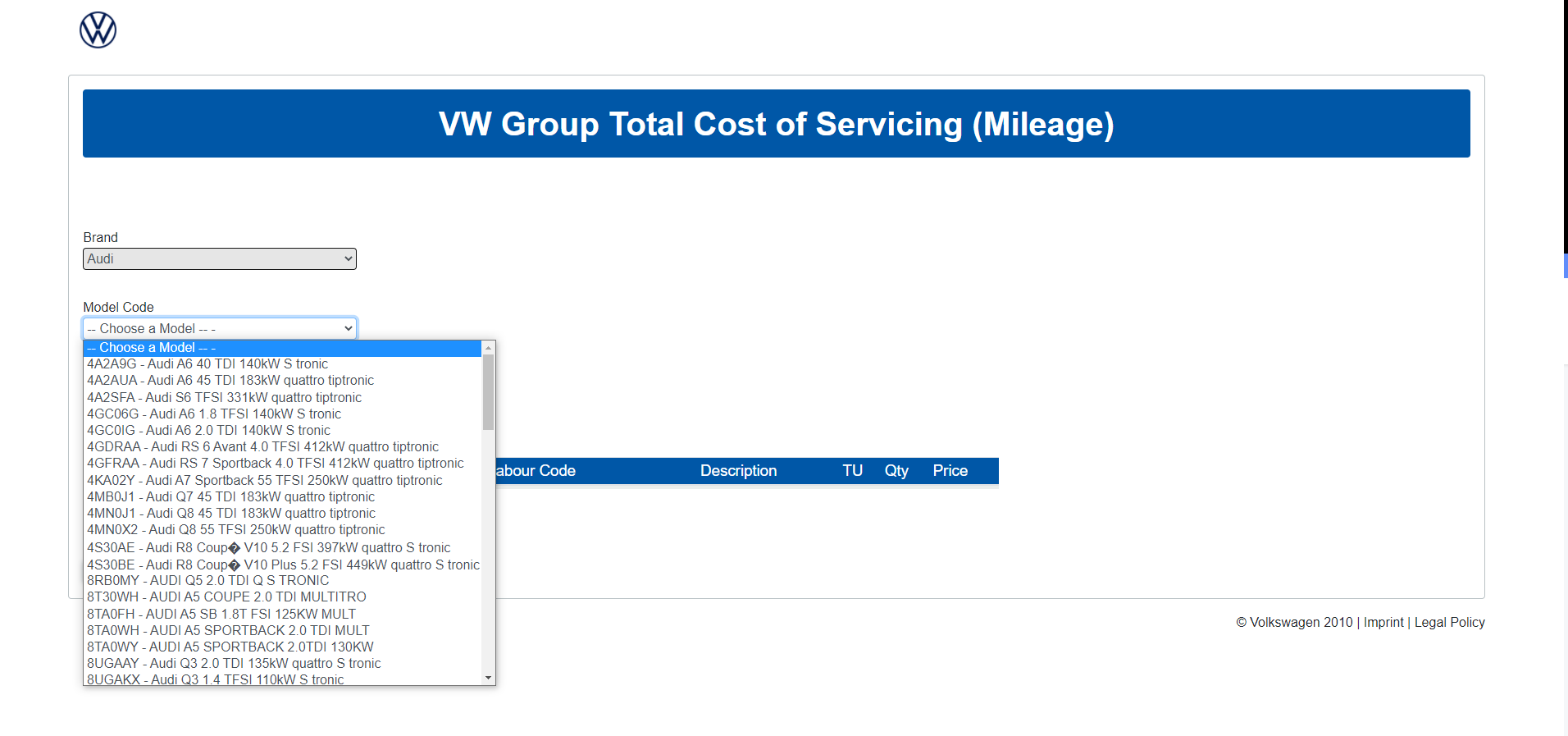
*Figure 5: Total Cost of Servicing*

Users select brand provided by drop down list.

**

*Figure 6: Total Cost of Servicing Brand*

Users are only provided with Model Code that is related to specific brand.



*Figure 7: Total Cost of Servicing Model*

Users are provided with mileage or time options according to the form chosen.



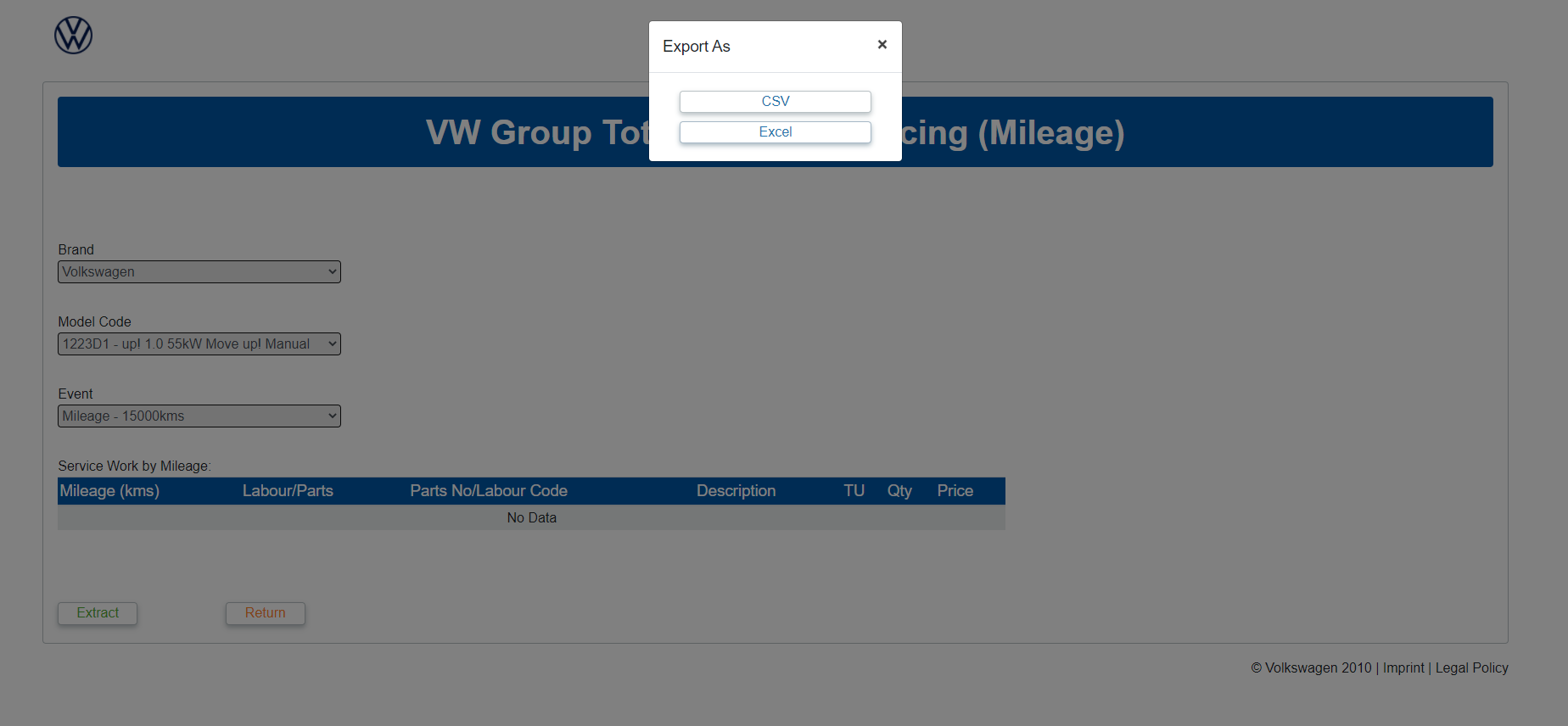
*Figure 8: Total Cost of Servicing Mileage*

Once mileage or time is selected a report is displayed in the table.



*Figure 9: Total Cost of Servicing Report*

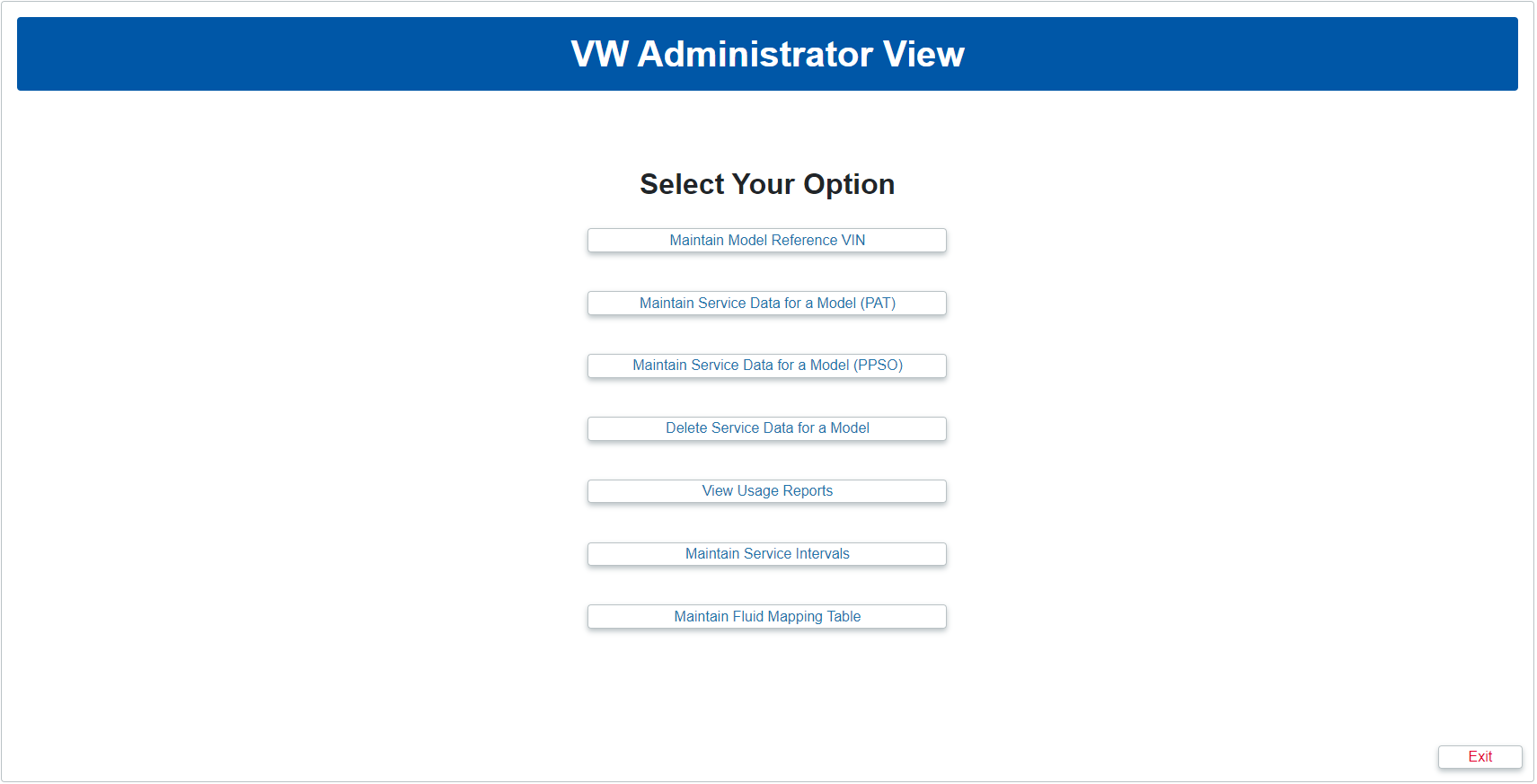
The return button redirects the user back to the navigation page while extract gives the user ability to export the report as a CSV or an excel spreadsheet.

**

*Figure 10: Total Cost of Servicing Export*

## Navigation for Admin users

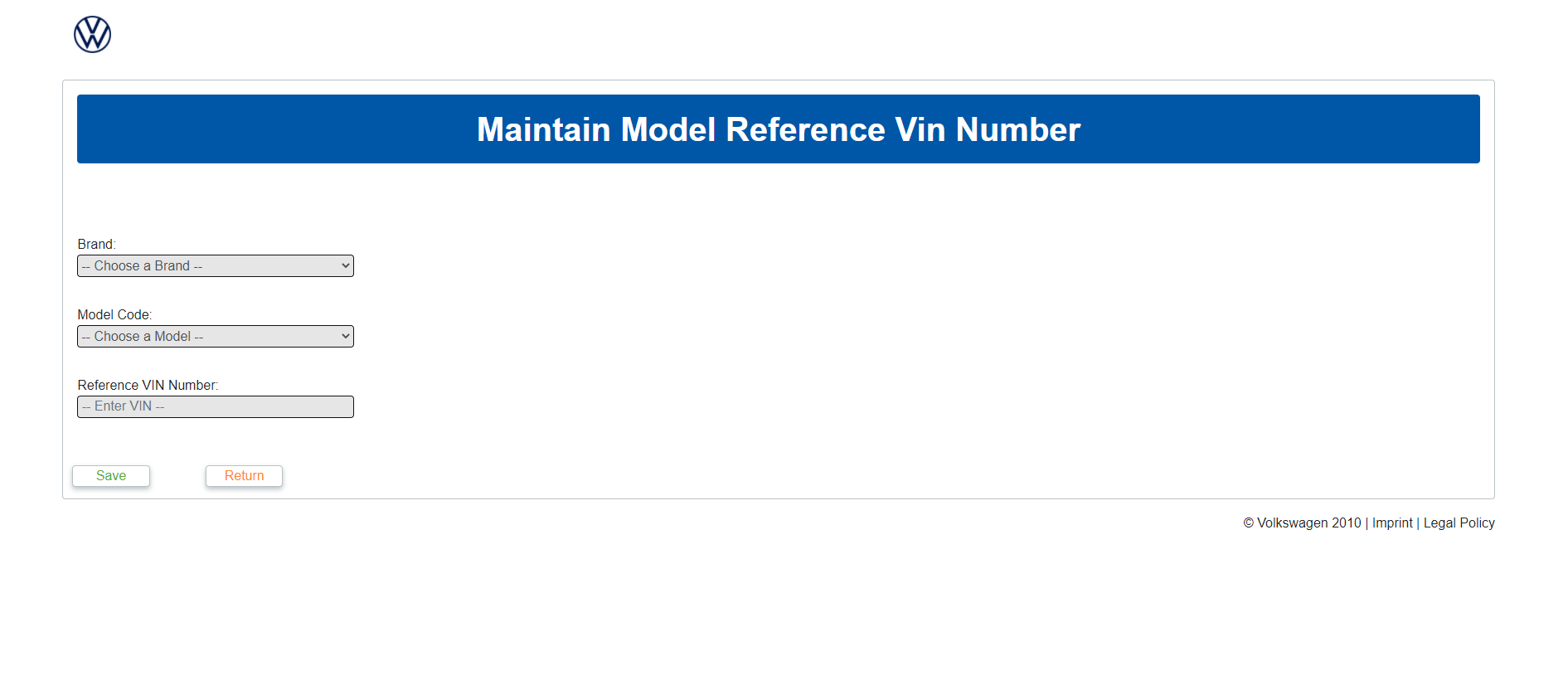
Once an admin user logs in successfully, they will be redirected to the admin user navigation page. On this page users can navigate through the system using the provided buttons.



*Figure 11: Admin User Navigation Page*

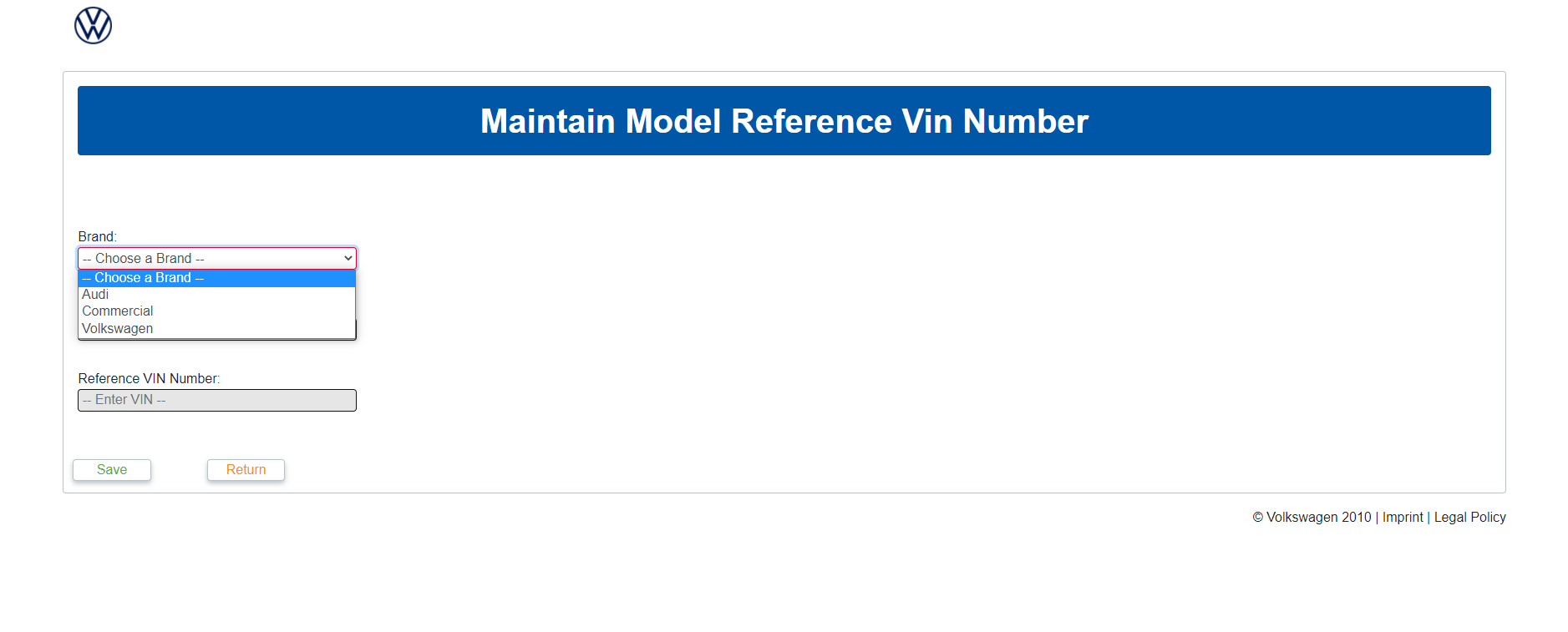
## Maintain Model Reference VIN Number

This page consists of 2 drop down boxes, a text box and 2 buttons. Used to maintain reference VIN Number and save it to the database.



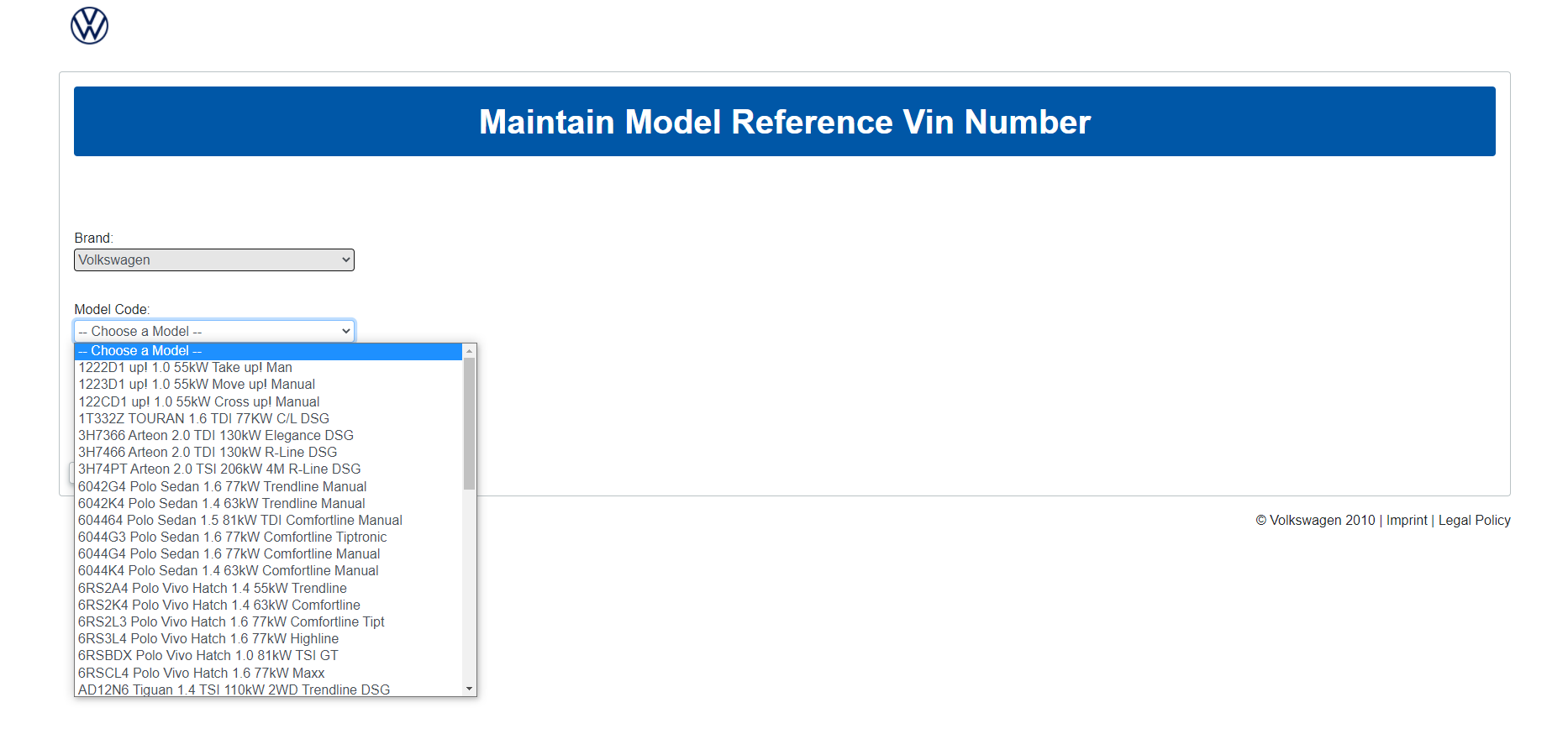
*Figure 12: Maintain Model Reference VIN Number*

Users select brand provided by drop down list.



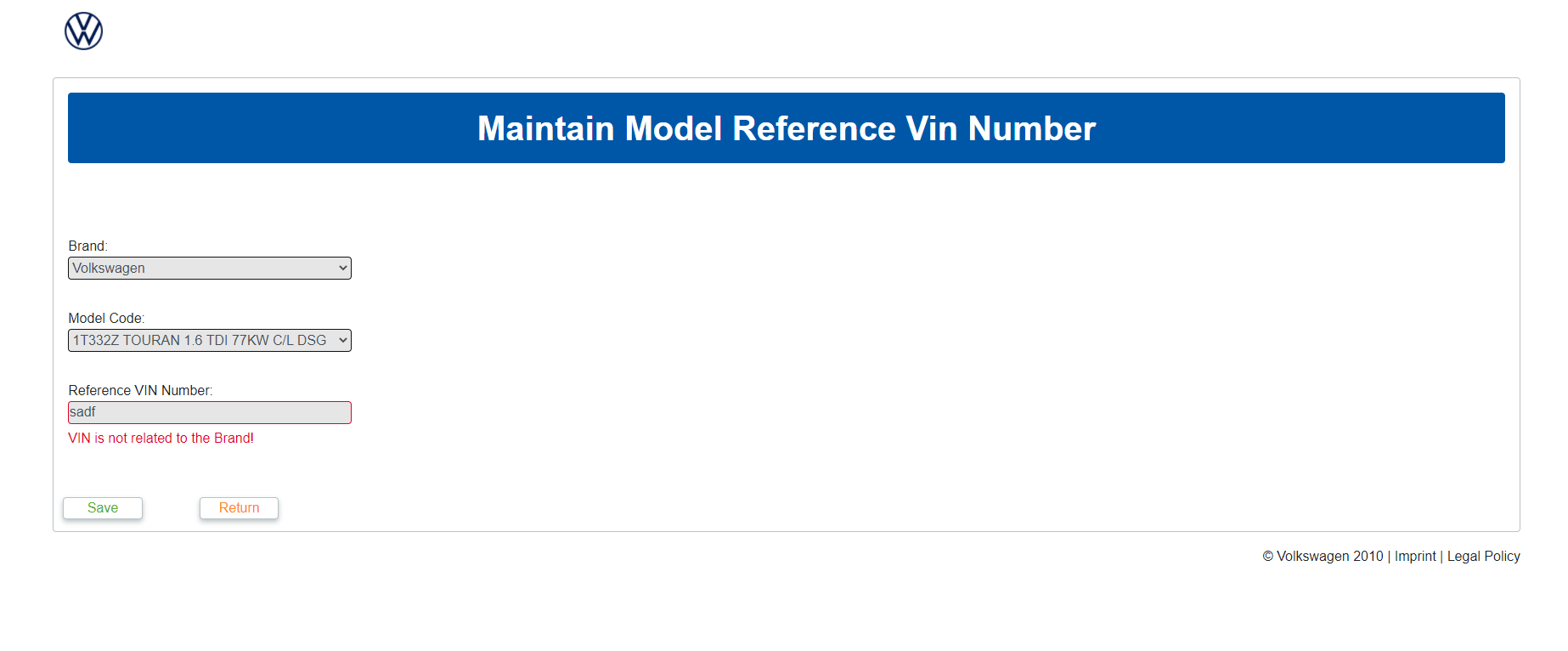
*Figure 13: Maintain Model Reference VIN Number Brand*

Users are only provided with Model Code that is related to specific brand.



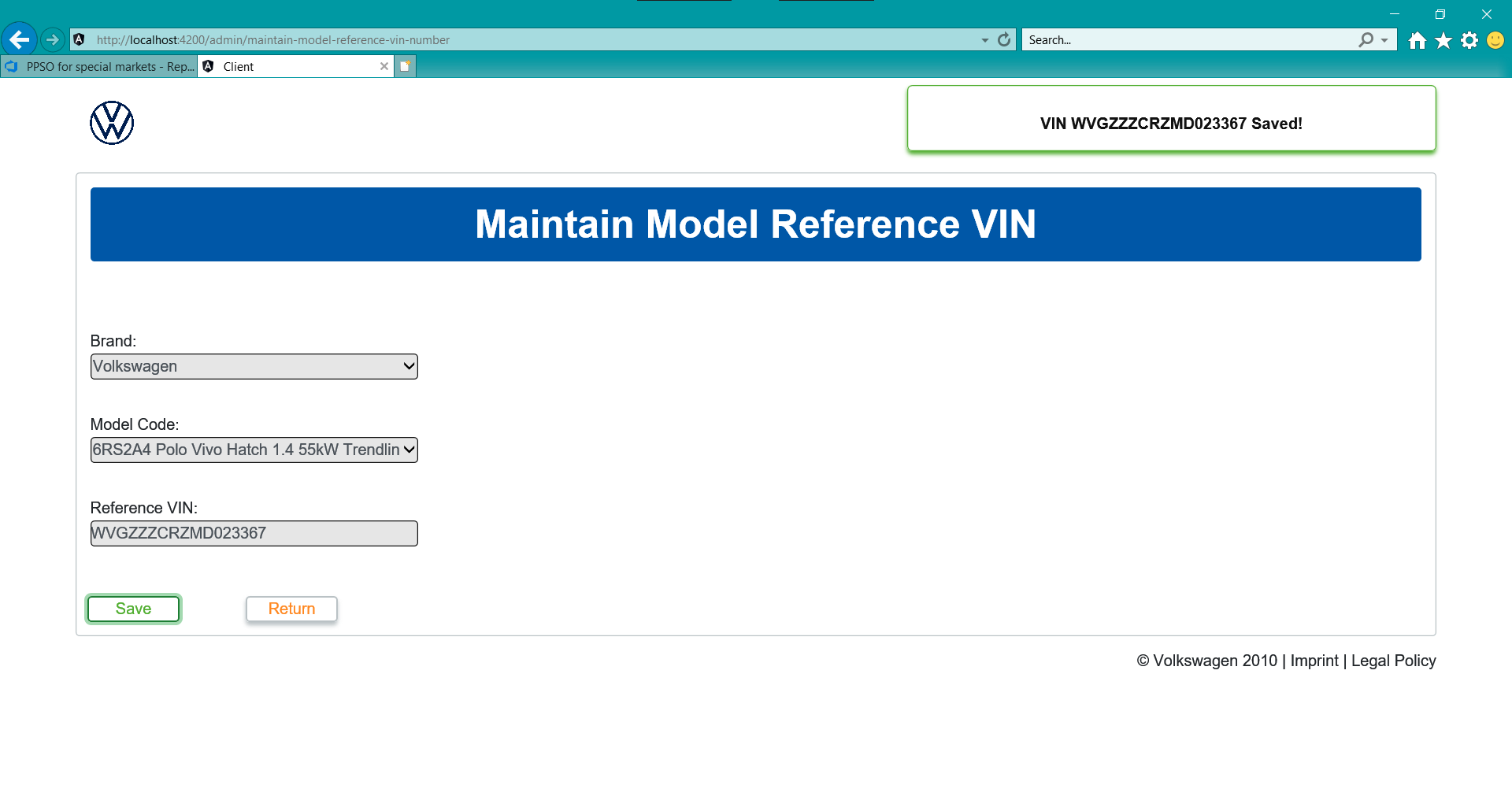
*Figure 14: Maintain Model Reference VIN Number Model*

Users are allowed to enter a valid VIN if invalid VIN is entered user is notified.



*Figure 15: Maintain Model Reference VIN Number VIN invalid*

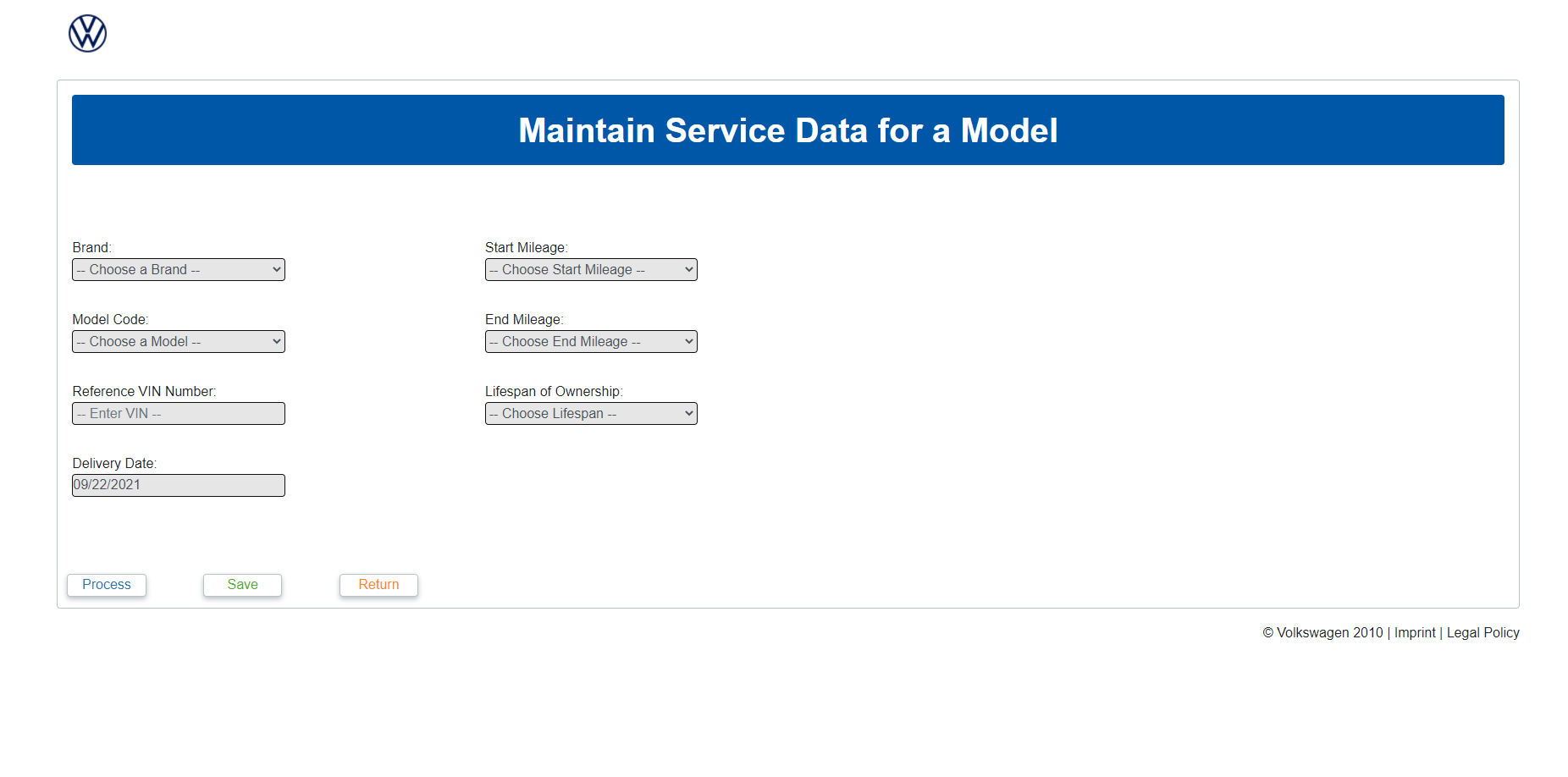
When users click save, data is sent to the database and a confirmation message shows. Return button navigates user to the navigation page.



*Figure 16: Maintain Model Reference VIN Number Valid*

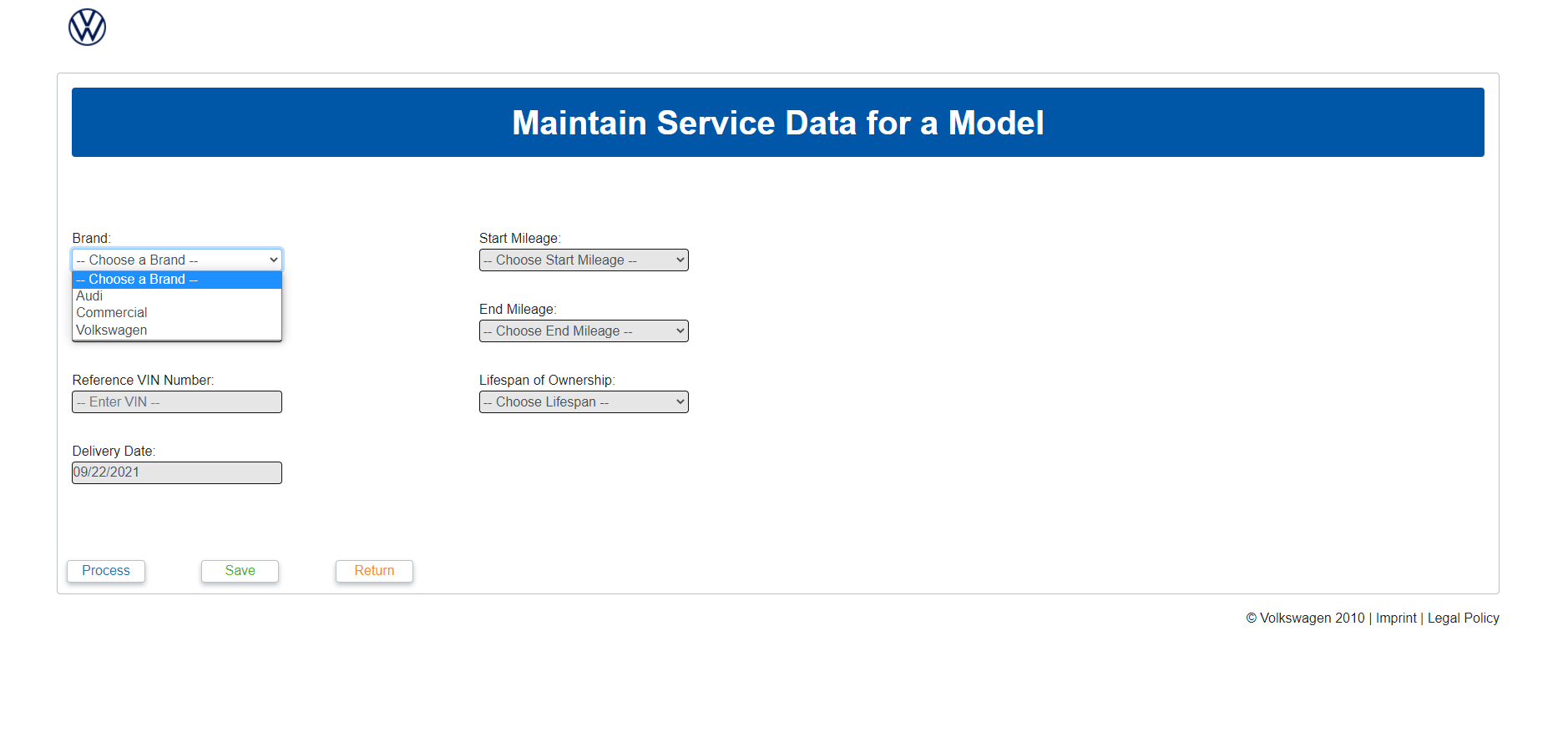
## Maintain Service Data for Model

This page consists of 4 drop-downs, 2 textboxes and 3 buttons. Used to maintain service data for a model.



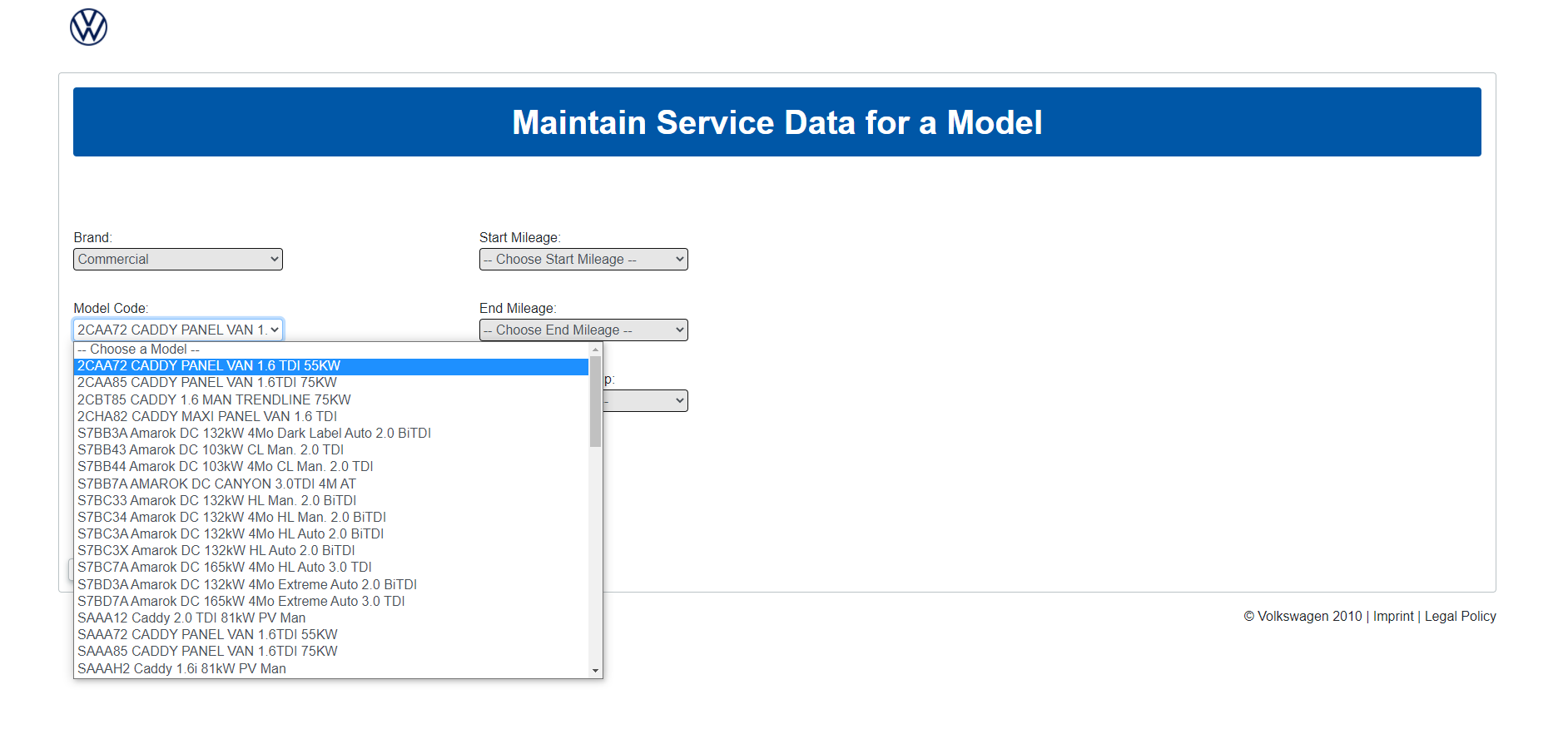
*Figure 17: Maintain Service Data for Model*

Users select brand provided by drop down list.

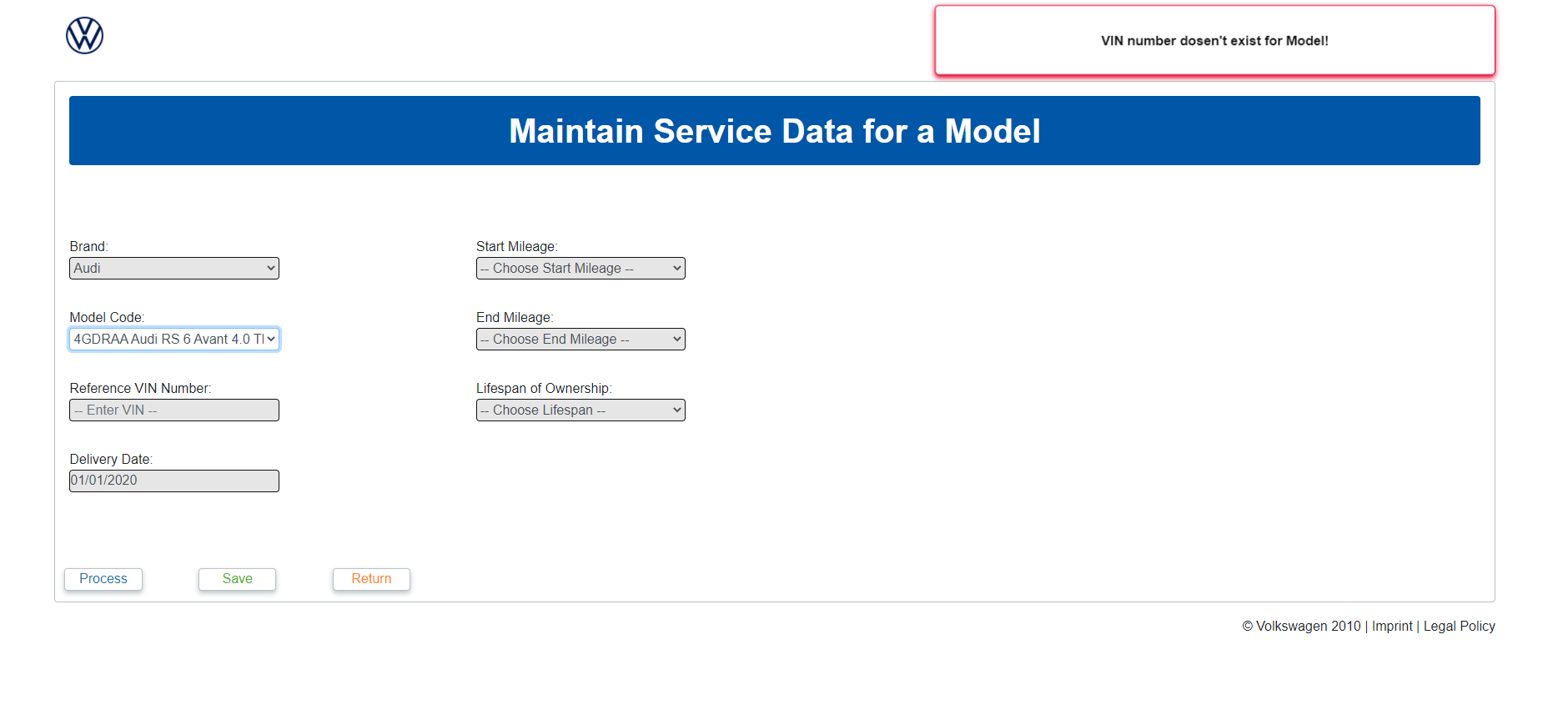


*Figure 18: Maintain Service Data for Model Brand*

Users are only provided with Model Code that is related to specific brand. If no VIN exists, a message is displayed stating the fact.

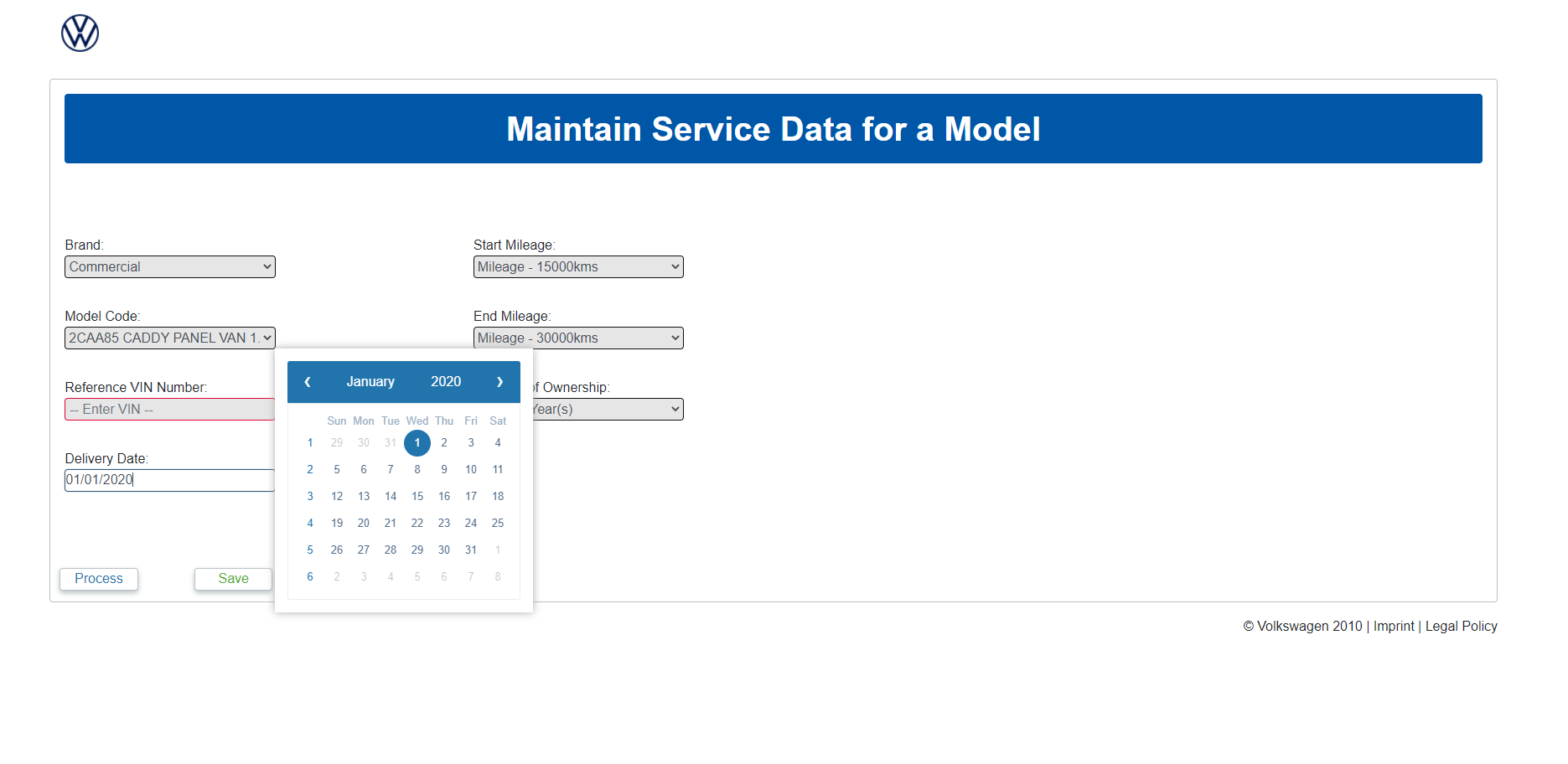


*Figure 19: Maintain Service Data for Model Model*



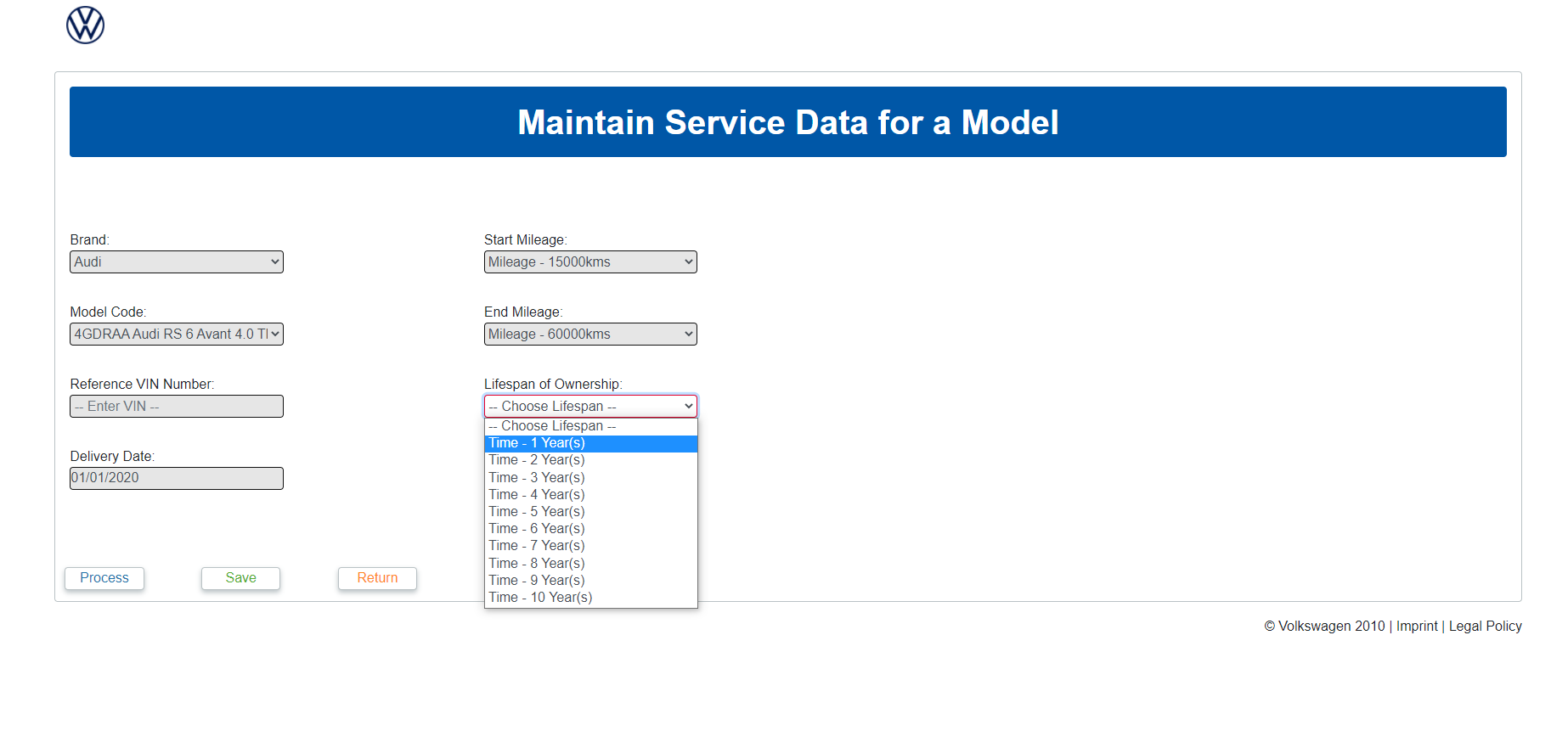
*Figure 20: Maintain Service Data for Model Invalid VIN*

Users select a date for the delivery date.



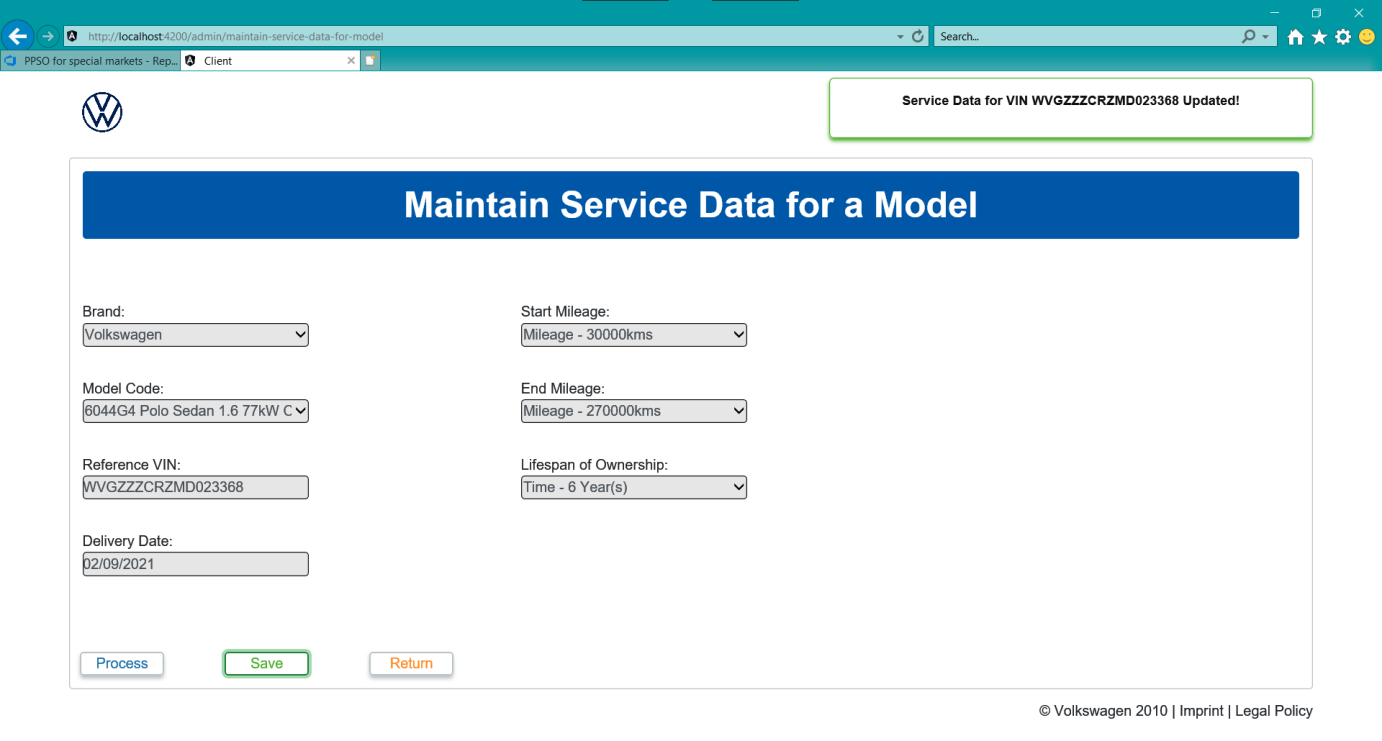
*Figure 21: Maintain Service Data for Model Date*

Users select a start, end mileage and the lifespan of ownership from the provided drop down boxes.

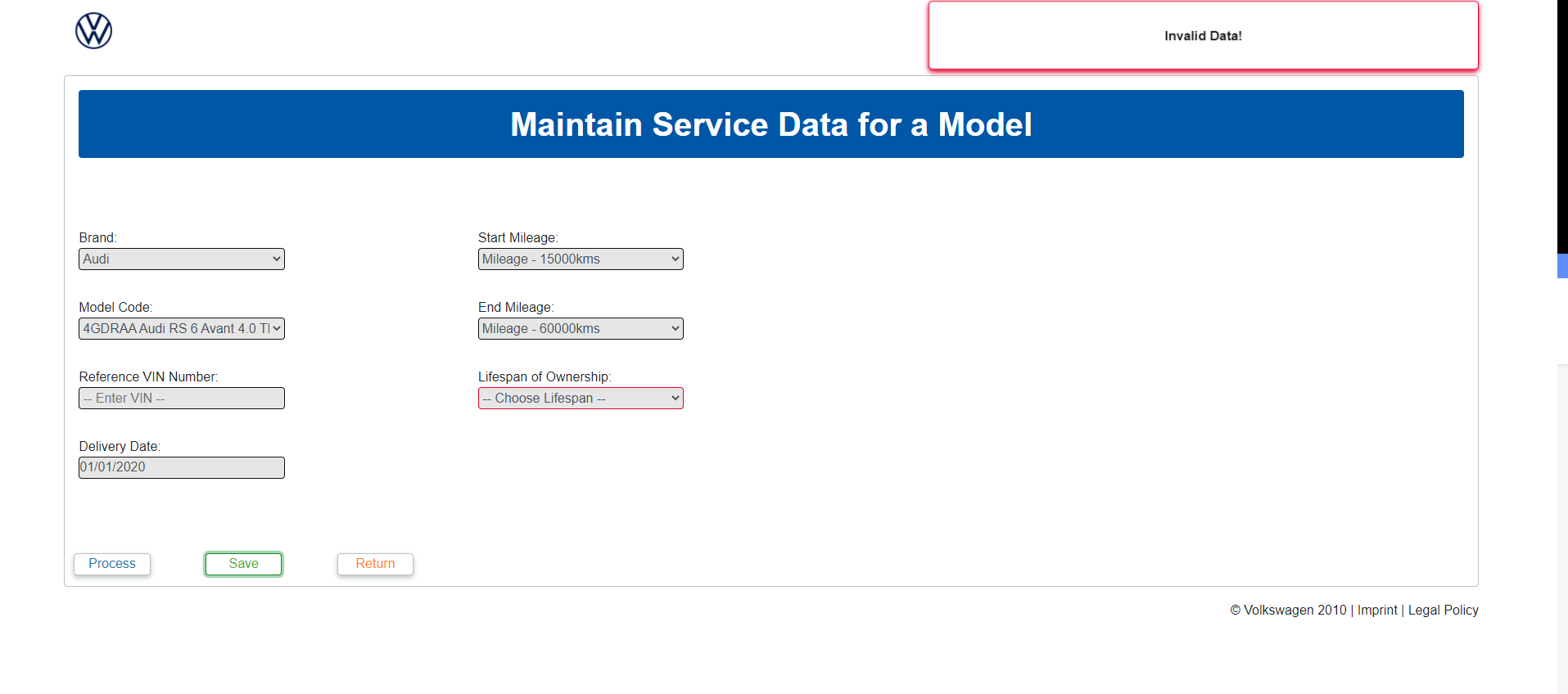


*Figure 22: Maintain Service Data for Model Lifespan*

When saved button is clicked a message appears when data is valid and saved. If data is invalid an alternative message is shown. Process calls data from the PAT and Inserts data into appropriate database tables.



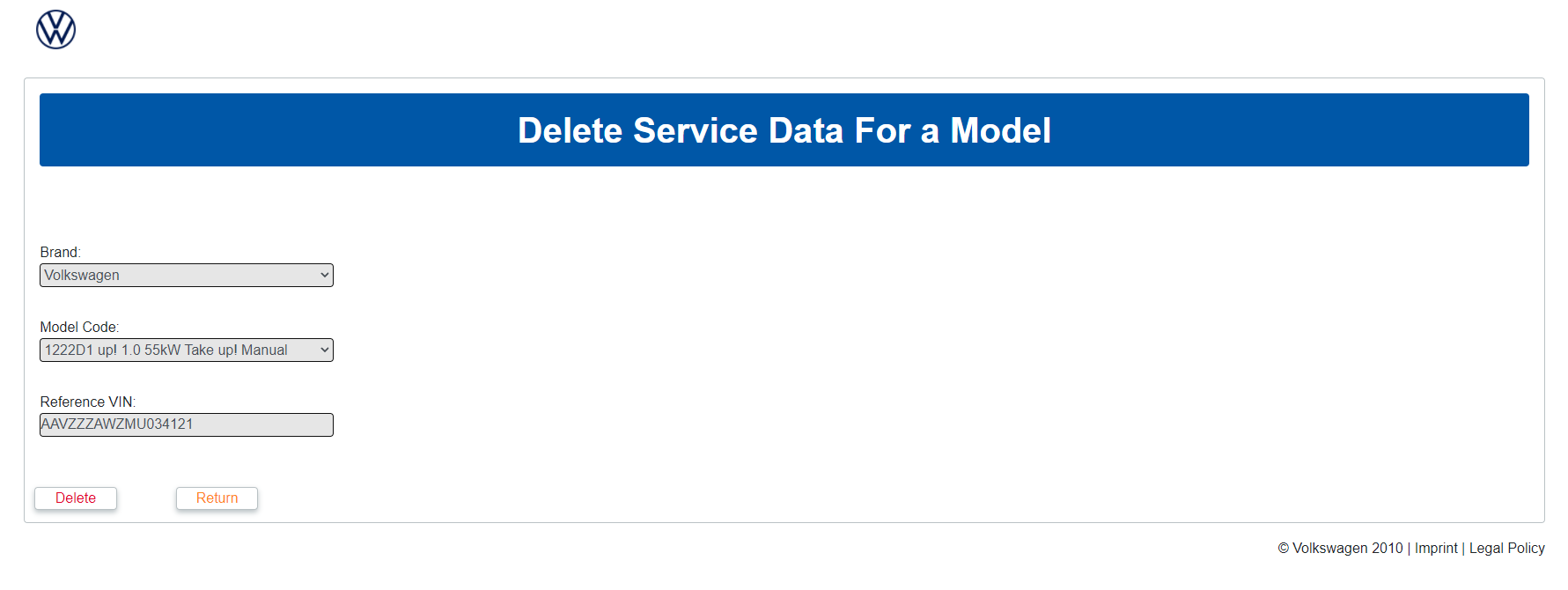
*Figure 23: Maintain Service Data for Model Save*



*Figure 24: Maintain Service Data for Model Invalid Data*

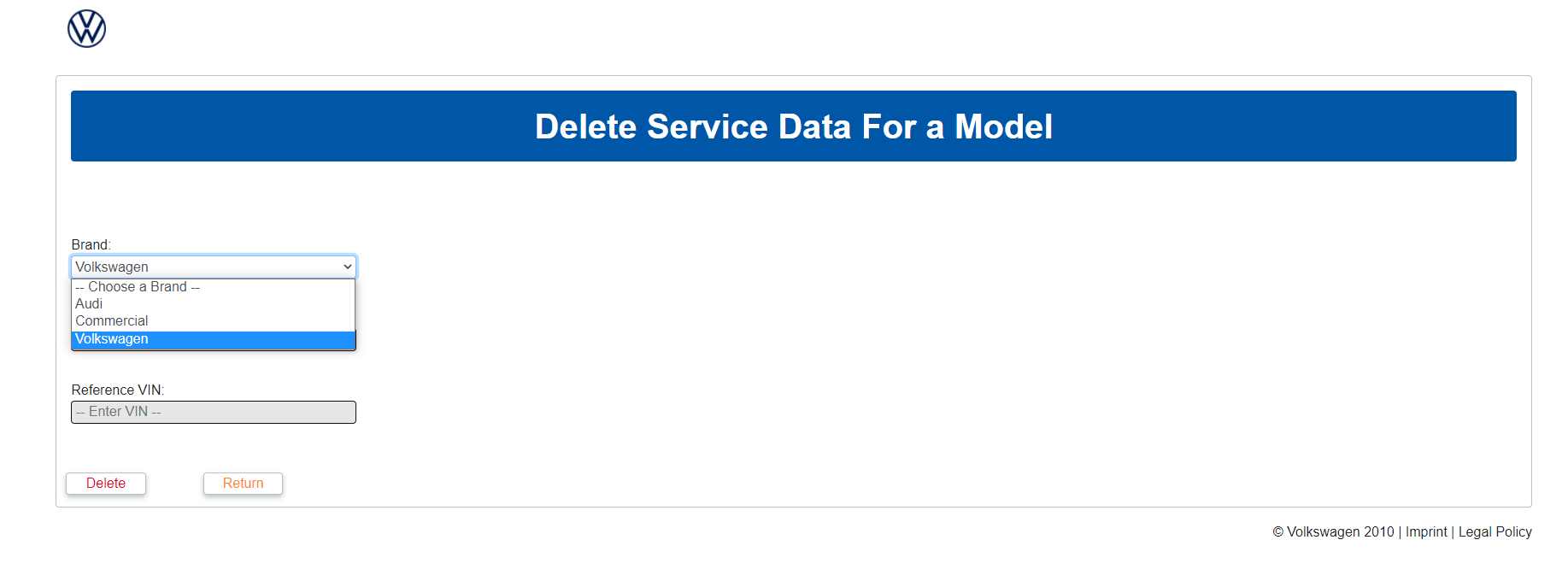
## Delete Service Data for Model

This page consists of 2 drop down boxes, a text box and 2 buttons. Used to maintain reference VIN Number and delete it to the database.



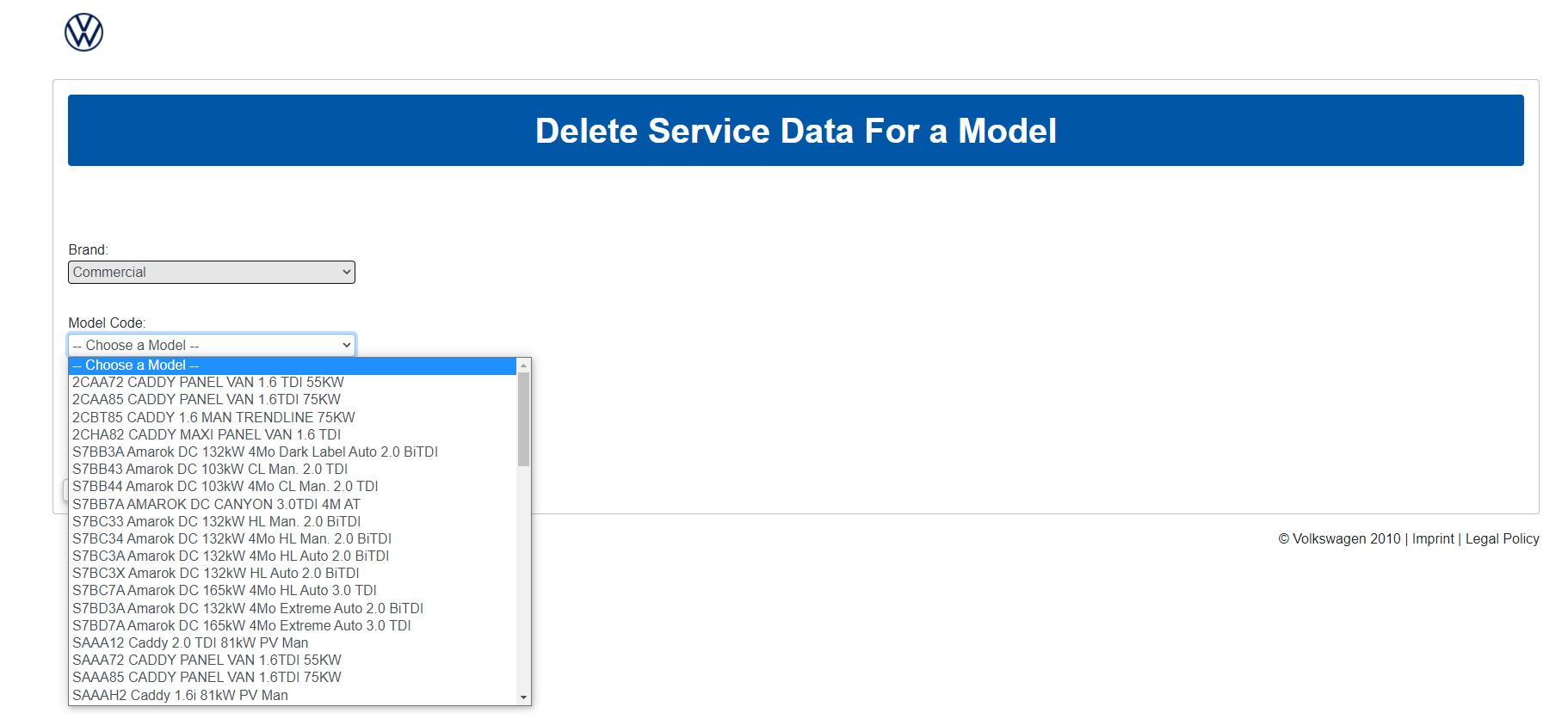
*Figure 25: Delete Service Data for Model*

Users select brand provided by drop down list.

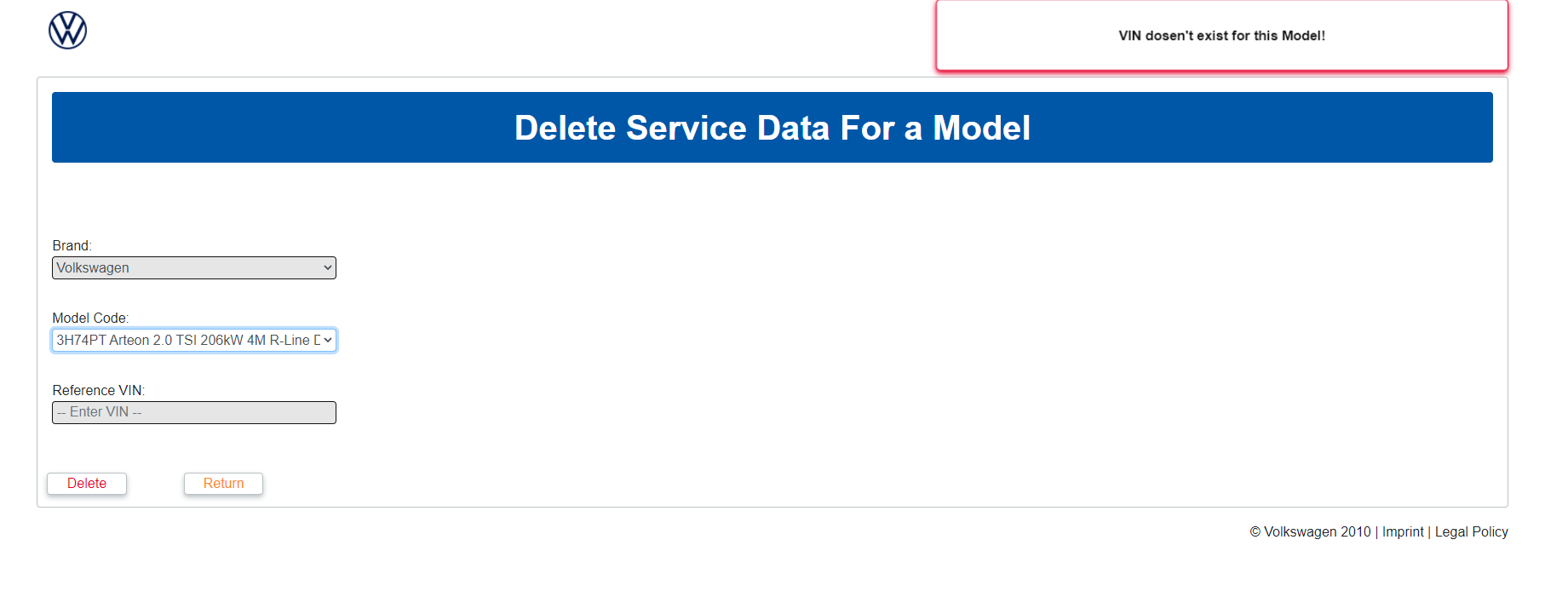


*Figure 26: Delete Service Data For a Model Brand*

Users are only provided with Model Code that is related to specific brand. If no VIN exists the a message is displayed stating the fact.

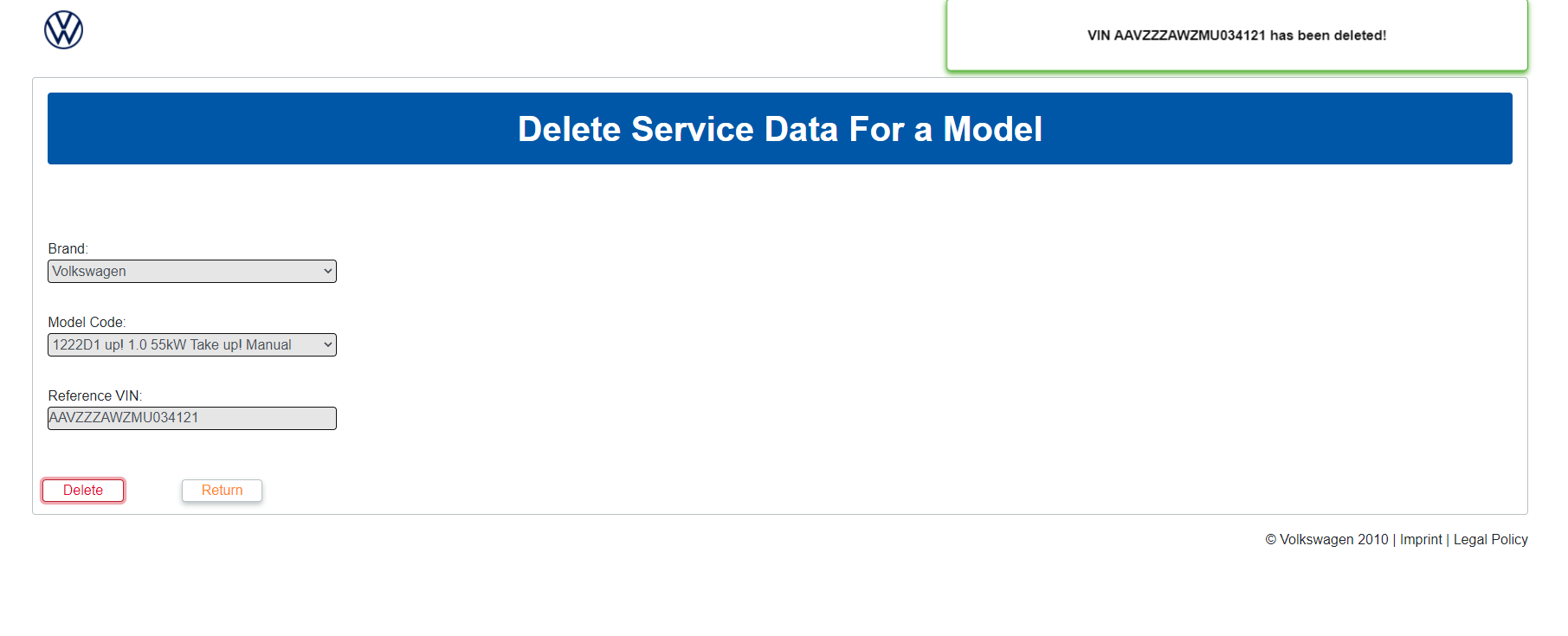


*Figure 27: Delete Service Data For a Model Code*



*Figure 28: Delete Service Data For a Model No VIN*

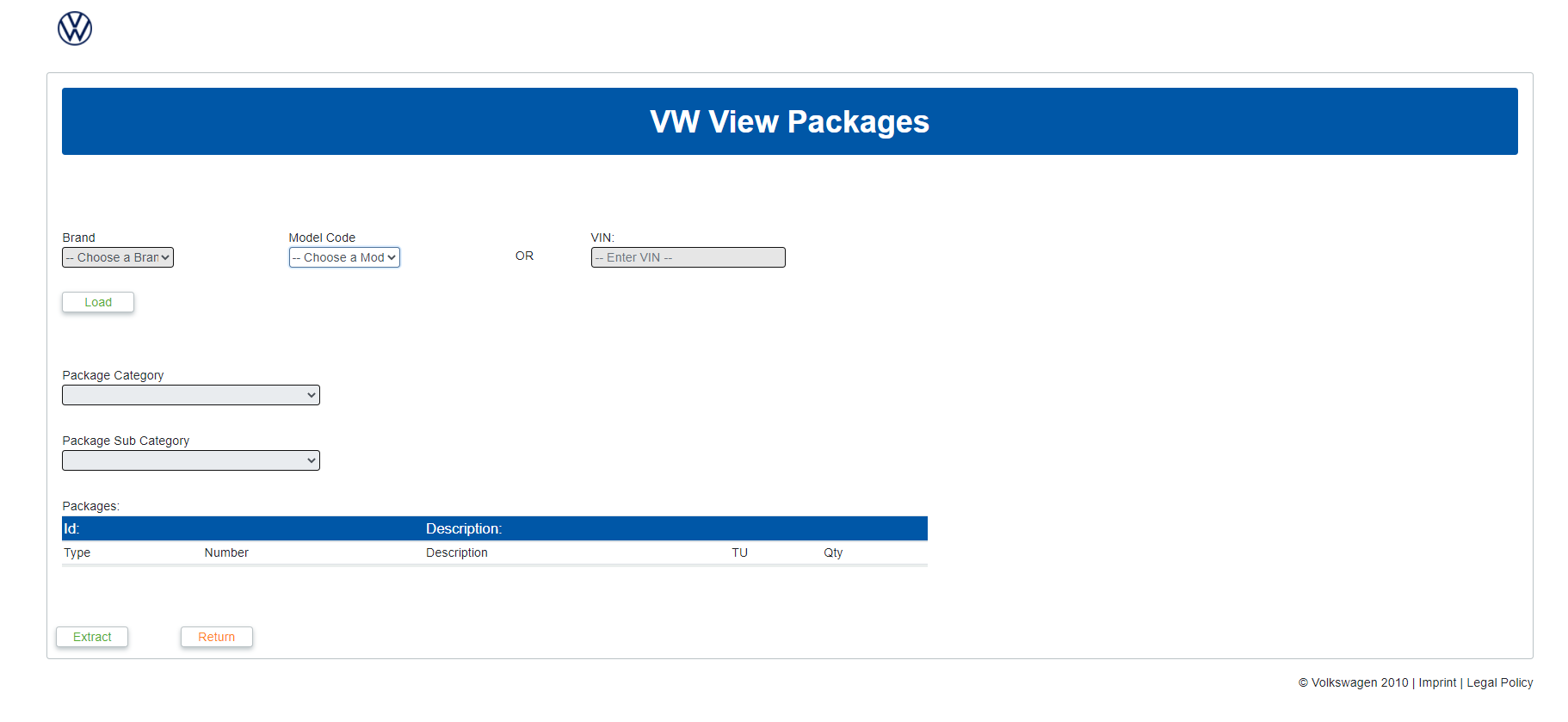
When users click delete, data is sent to the database and a confirmation message shows. Return button navigates user to the navigation page.



*Figure 29: Delete Service Data for Model Delete*

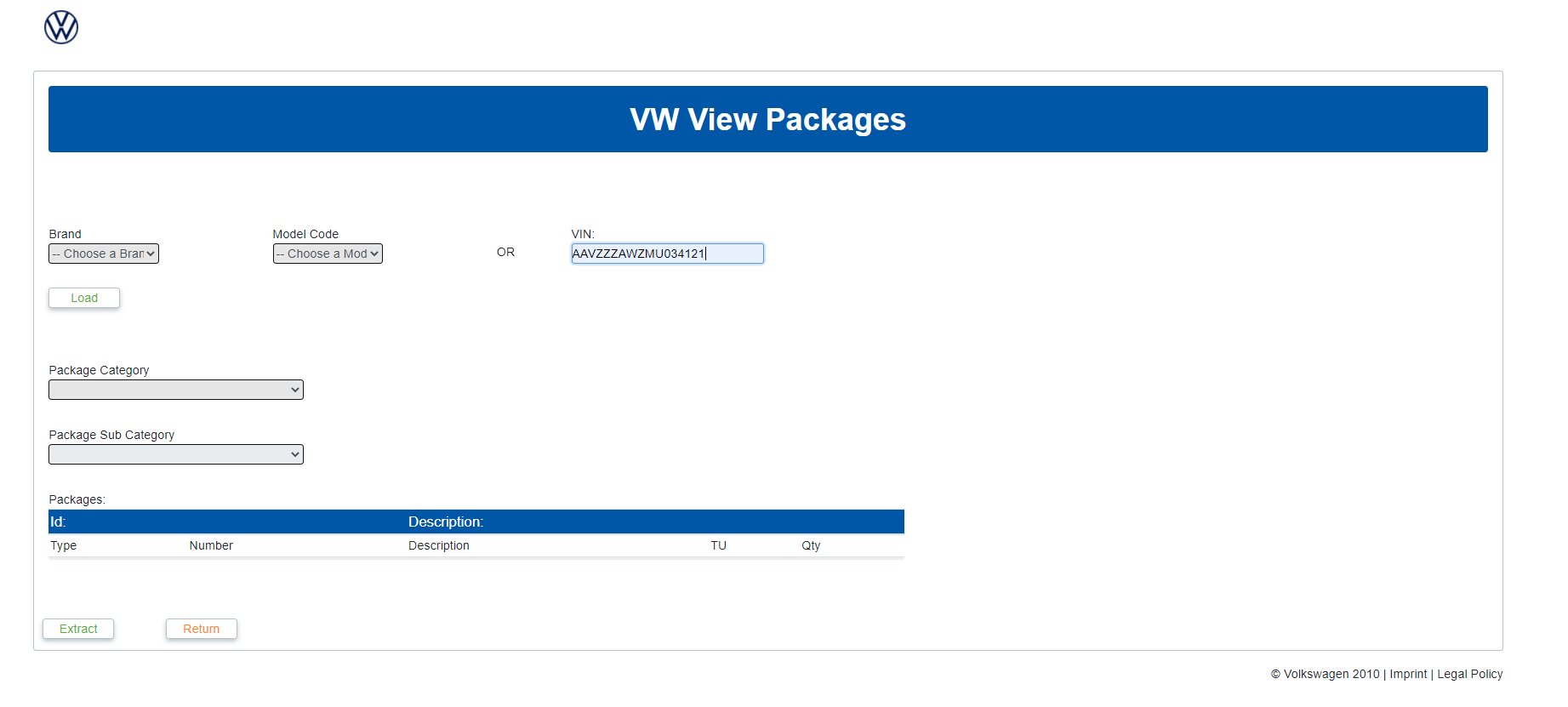
## View Packages

This page consists of 5 dropdown, a textboxes, 3 buttons and a table. Used to view the packages that belong to a specified VIN.

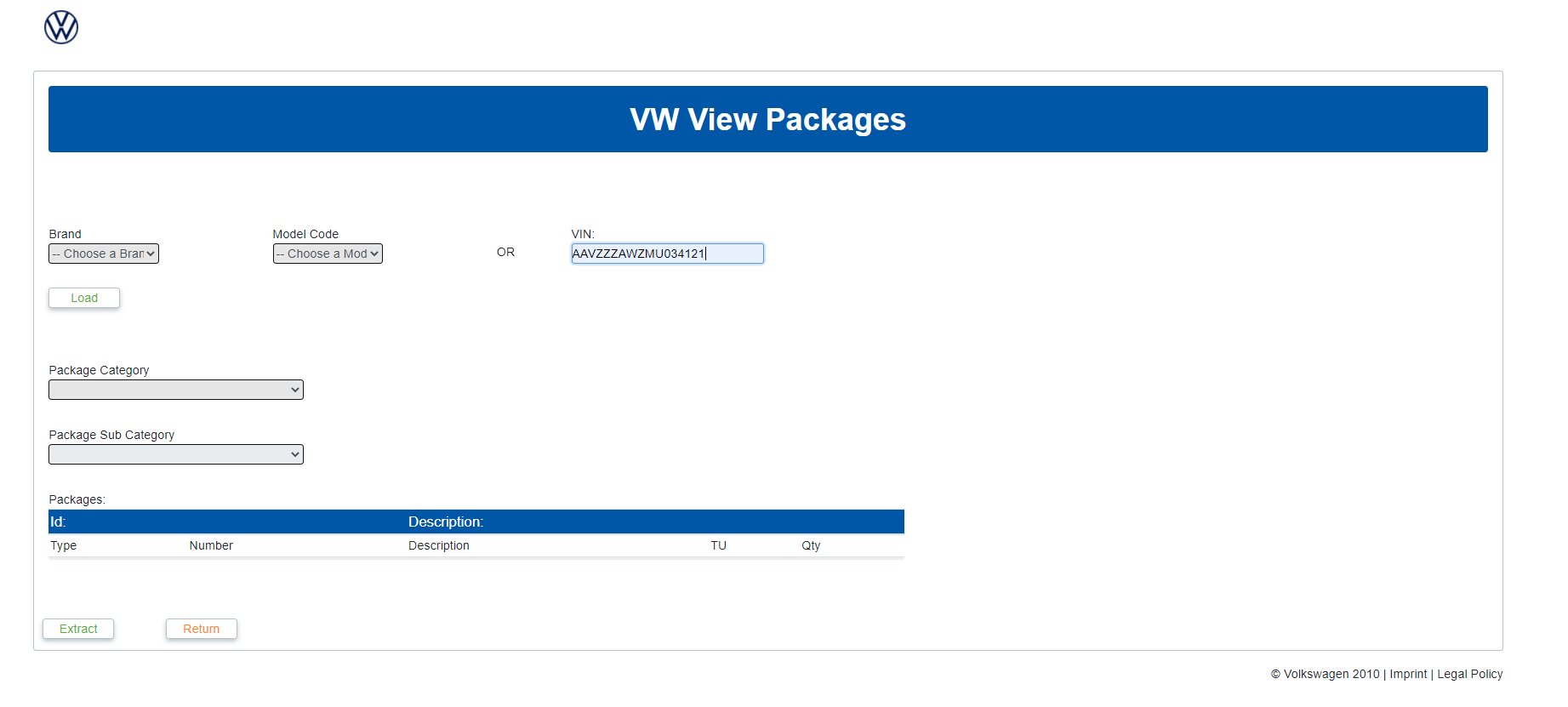


*Figure 30: View Packages*

User can either enter a VIN manually or select a brand and a model. When user selects a brand and a model user VIN automatically gets populated with the reference VIN.

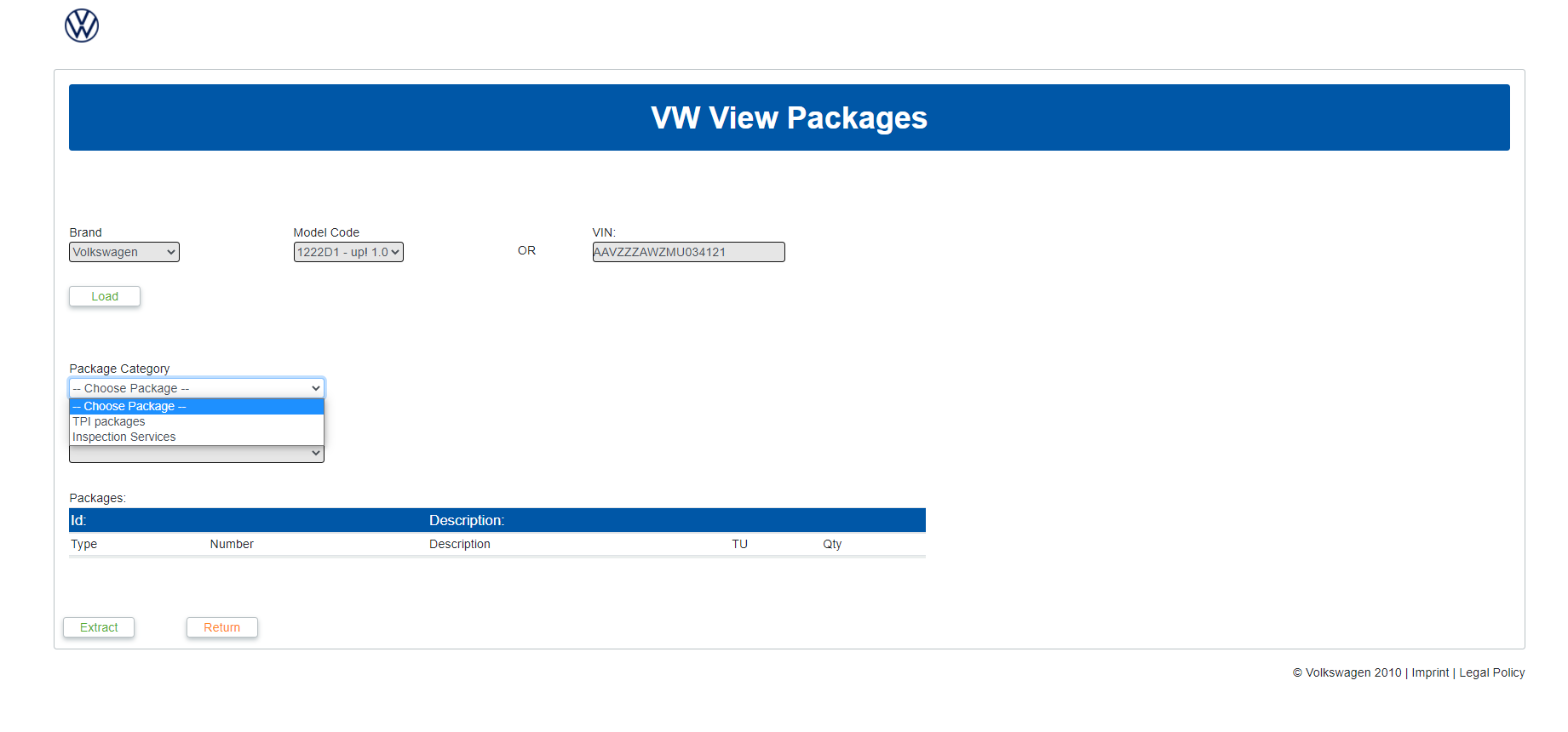


*Figure 31 :View Packages with Model Code*



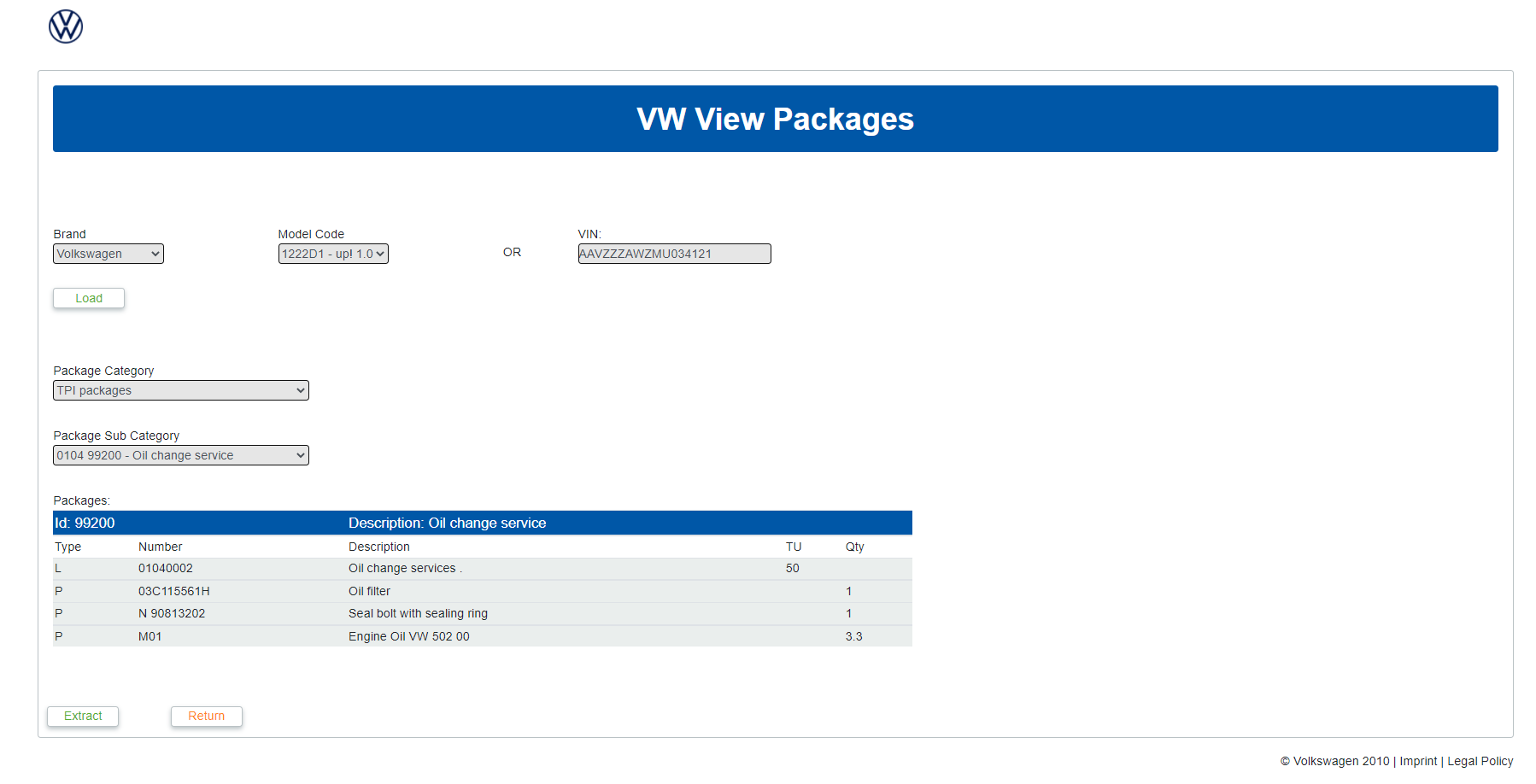
*Figure 32: View Packages without Model Code*

After a the VIN text box is populated a user will then click the Load button which will populate the Package Category drop down and allow user to click on it. Users can then select a category.



*Figure 33: View Package Categories*

Once a category has been selected Package Sub-category will be populated. Once Selected table will be populated with the package information.

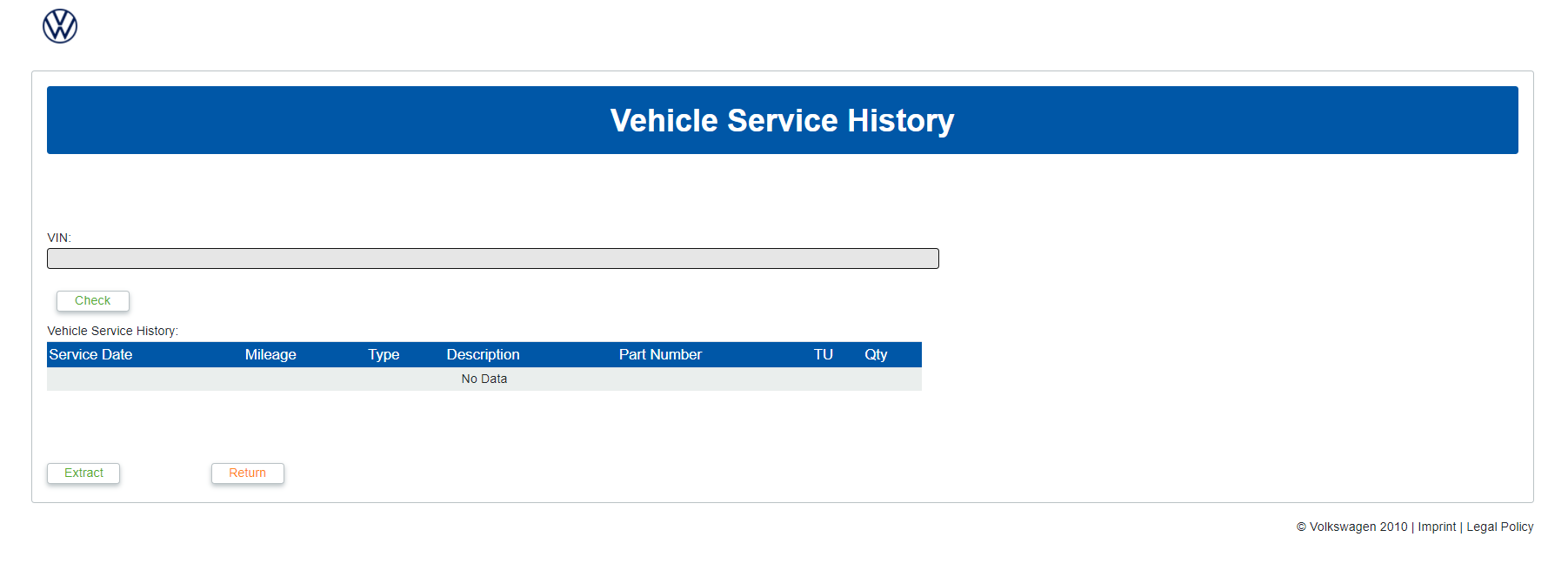
**

*Figure 34: View Packages Package Category Select*

Users can then extract the information from the table into either a CSV or excel spreadsheet. A pop up will appear with the choice similar to the Total Cost of servicing report, refer to figure 10.

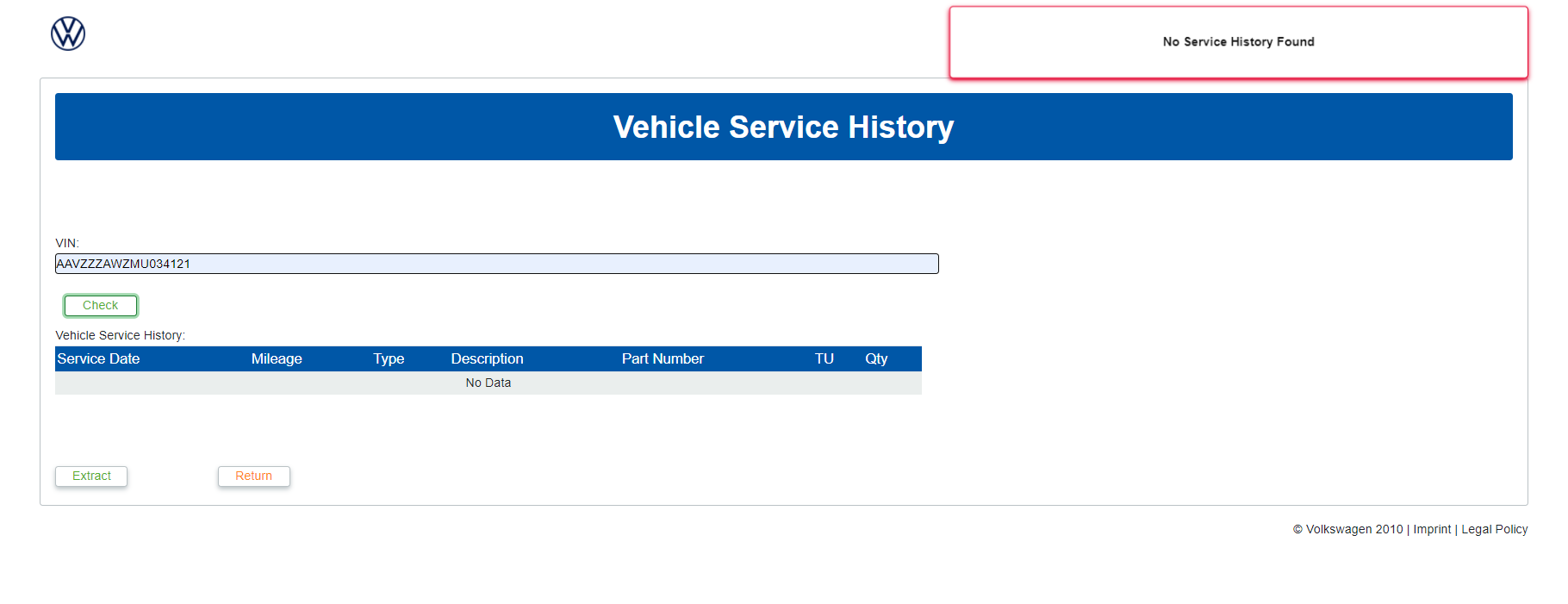
## Vehicle Service History

This page consists of an text box, 3 buttons and a table.

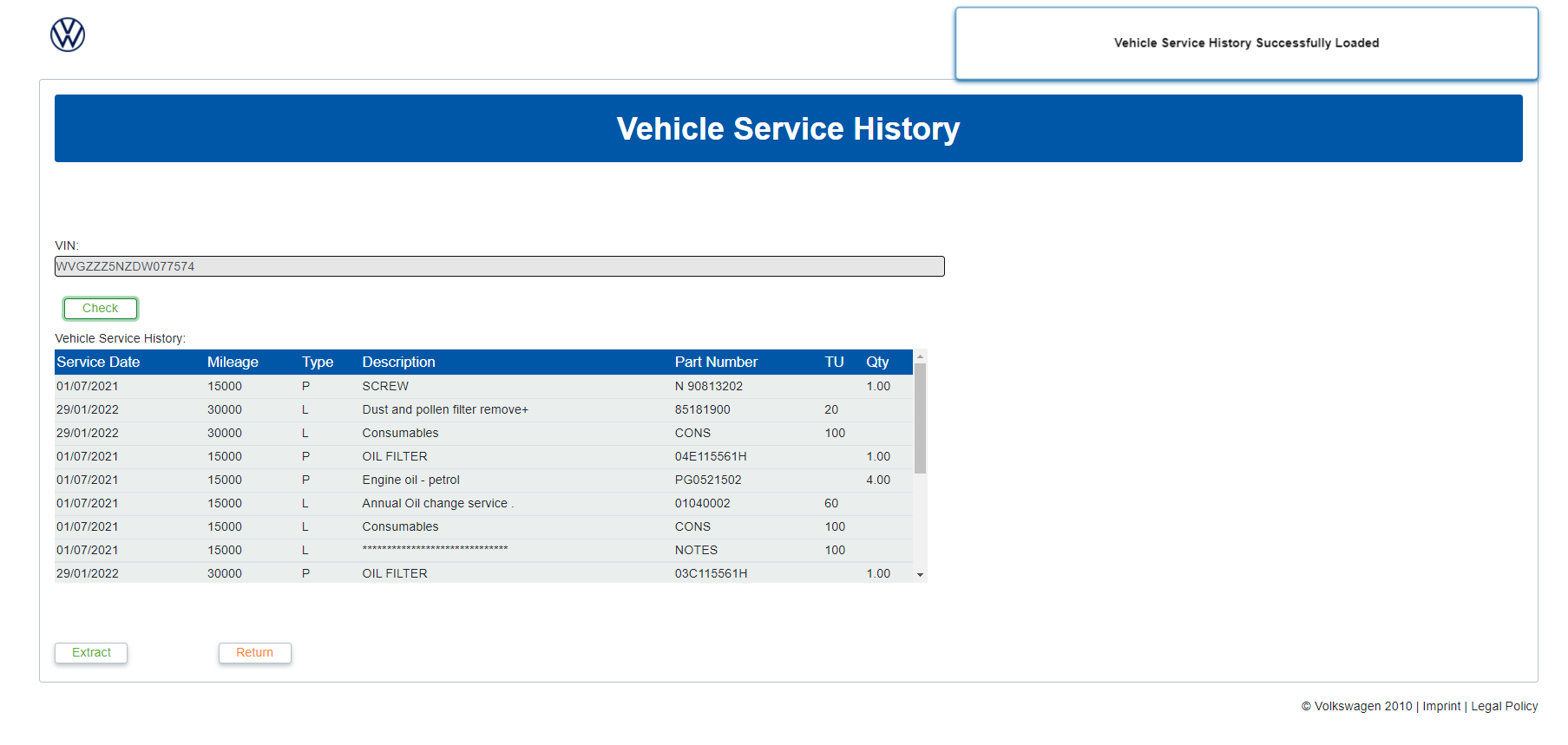


*Figure 35: Vehicle Service History*

User can enter a VIN and click the check button and appropriate pop up will show with information in the table.



*Figure 36: Vehicle Service History No Service History*

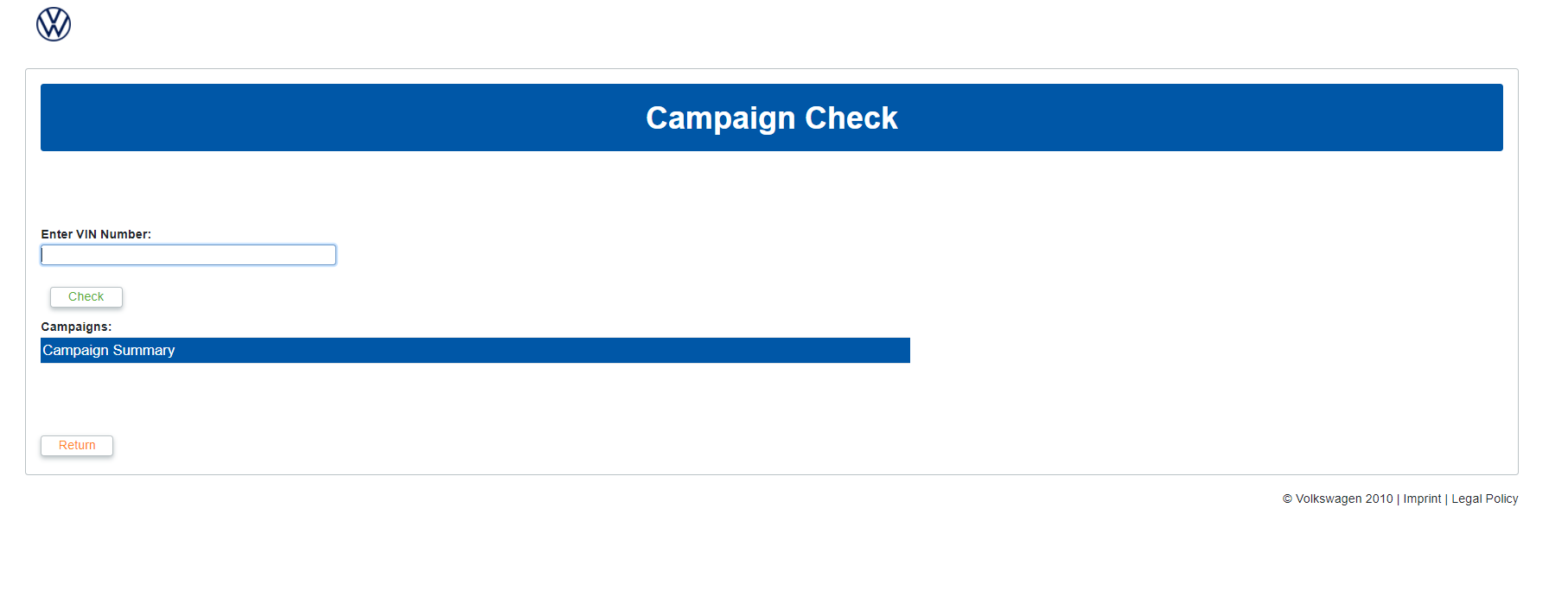


*Figure 37: Vehicle Service History Success*

User can then extract the information from the table into either a CSV or excel spreadsheet. A pop up will appear with the choice similar to the Total Cost of servicing report, refer to figure 10.

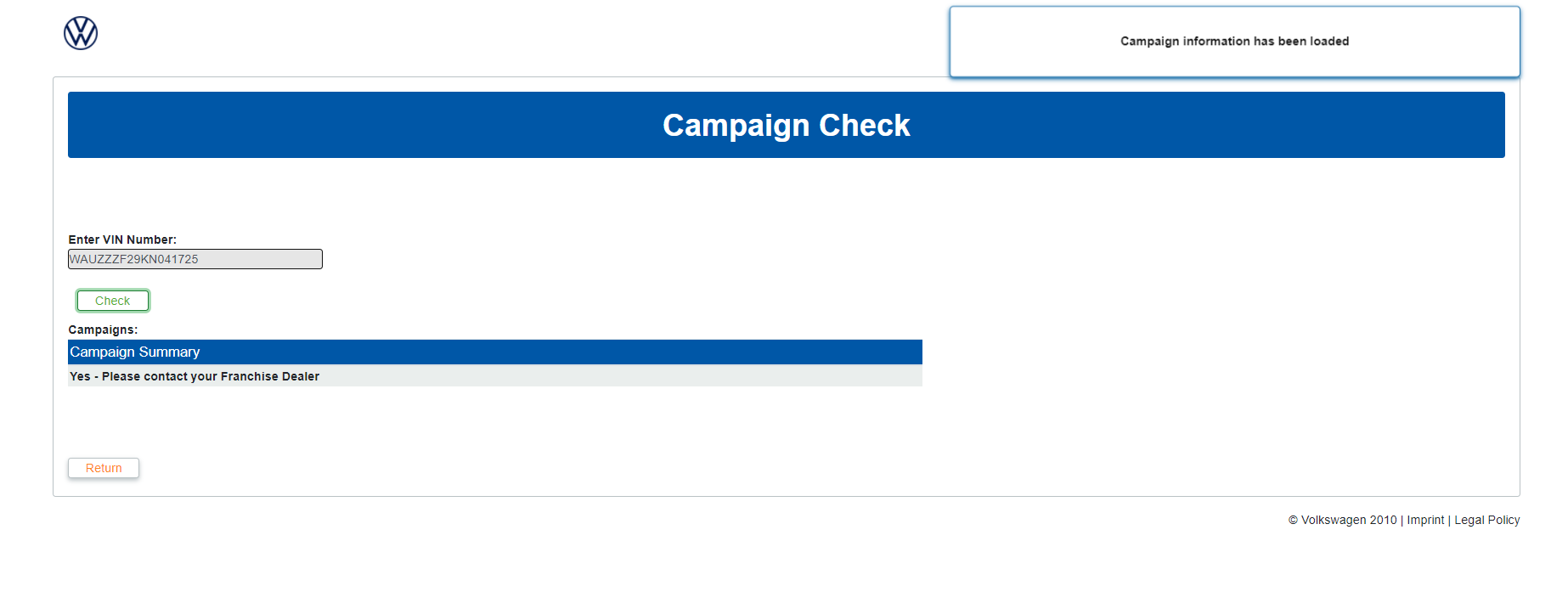
## Campaign Check

This page consists of a textbox, a table and 2 buttons.

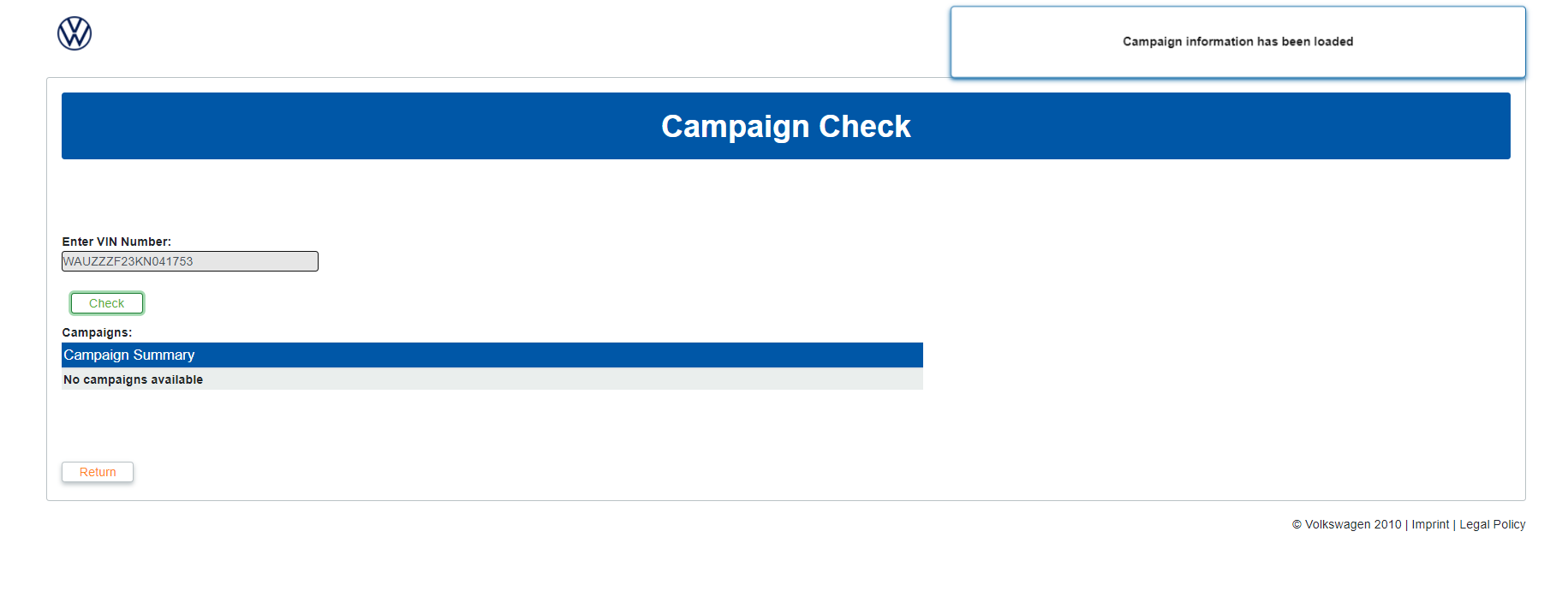


*Figure 38: Check Campaign*

User can enter a VIN, press the check button and appropriate notification with the updated table information.



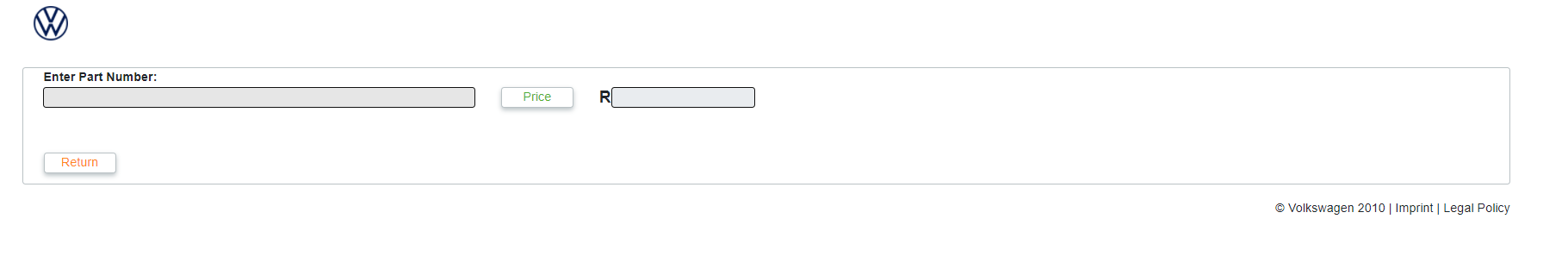
*Figure 39: Check Campaign Success*



*Figure 40: Campaign Check No Campaign*

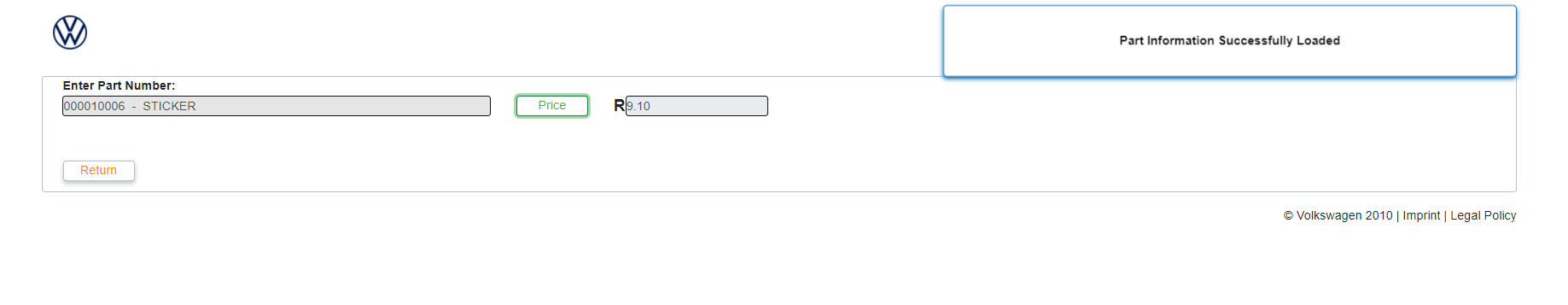
## Part Look Up

This page consists of 2 textboxes and 2 buttons.

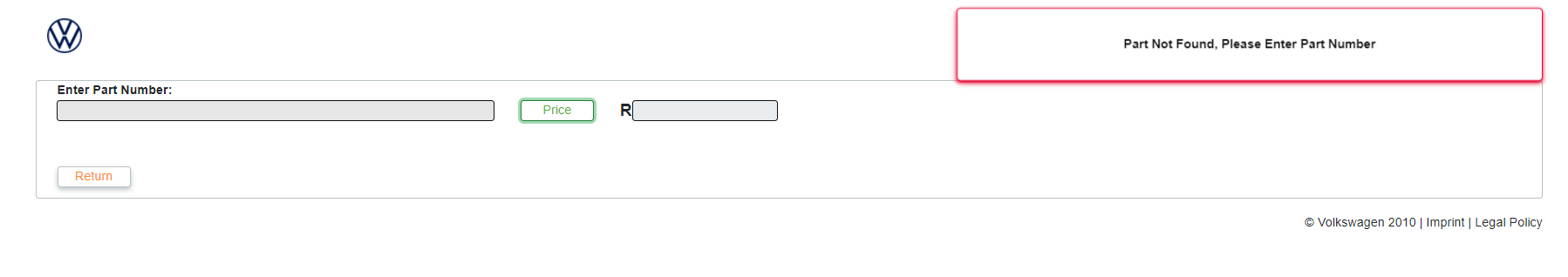


*Figure 41: Part Look Up*

User enters a part number or super seeded part number and presses price button. When clicked part information is loaded.



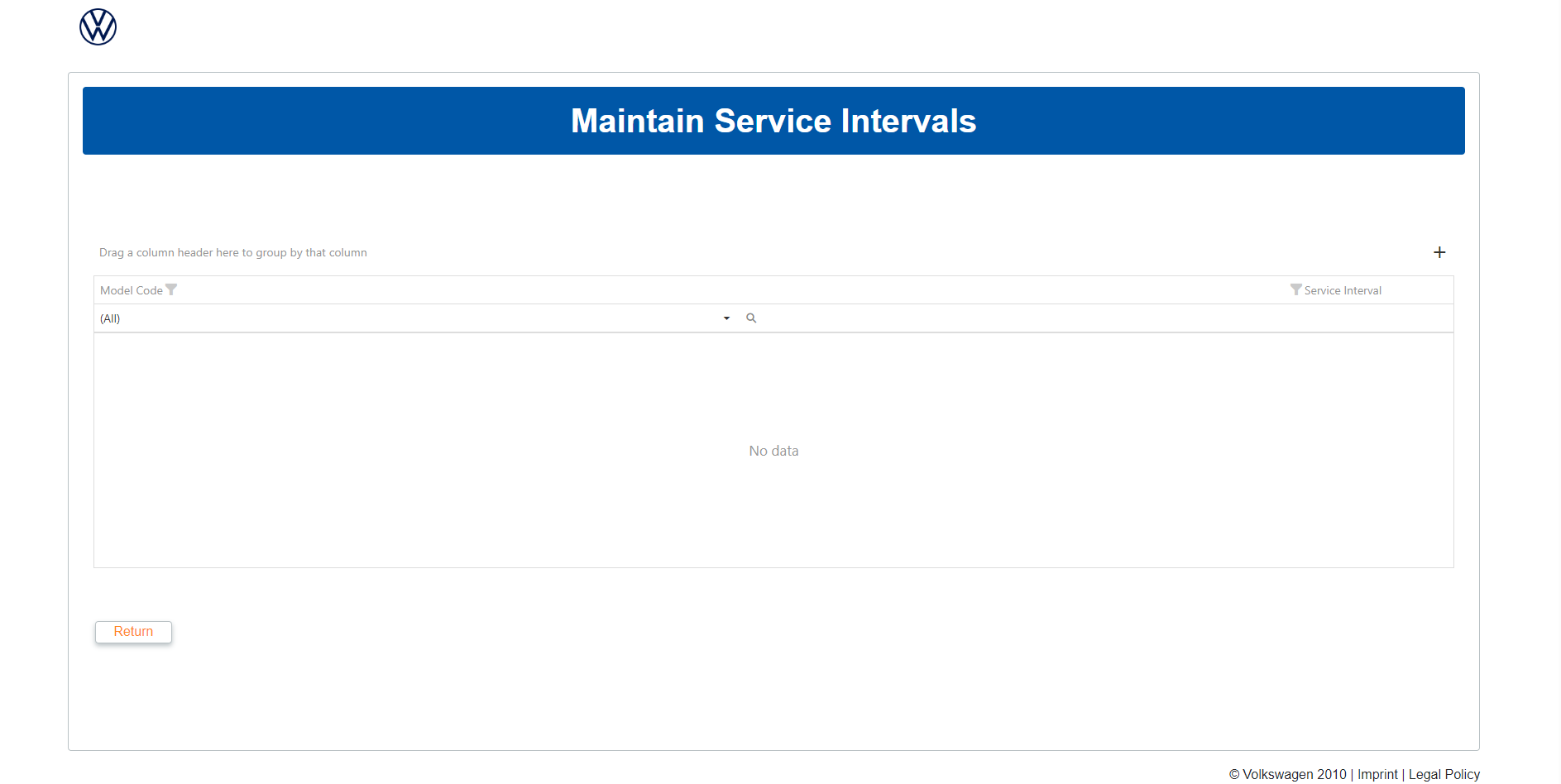
*Figure 42: Part Look Up Success*

**

*Figure 43: Part Look Up Not Found*

## Crafter Service Intervals

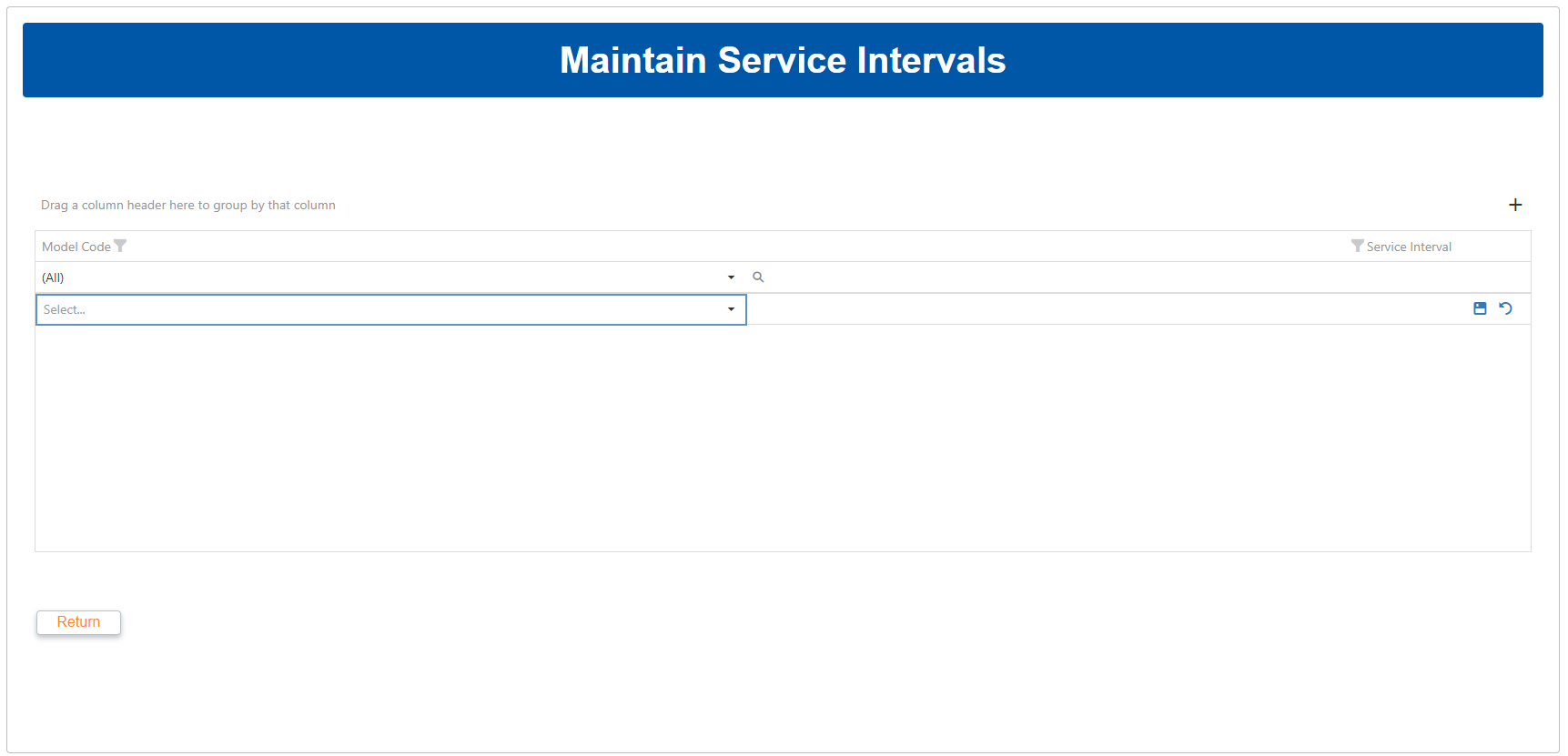
This page consists of a single data grid.



*Figure 44: Crafter Intervals Grid*

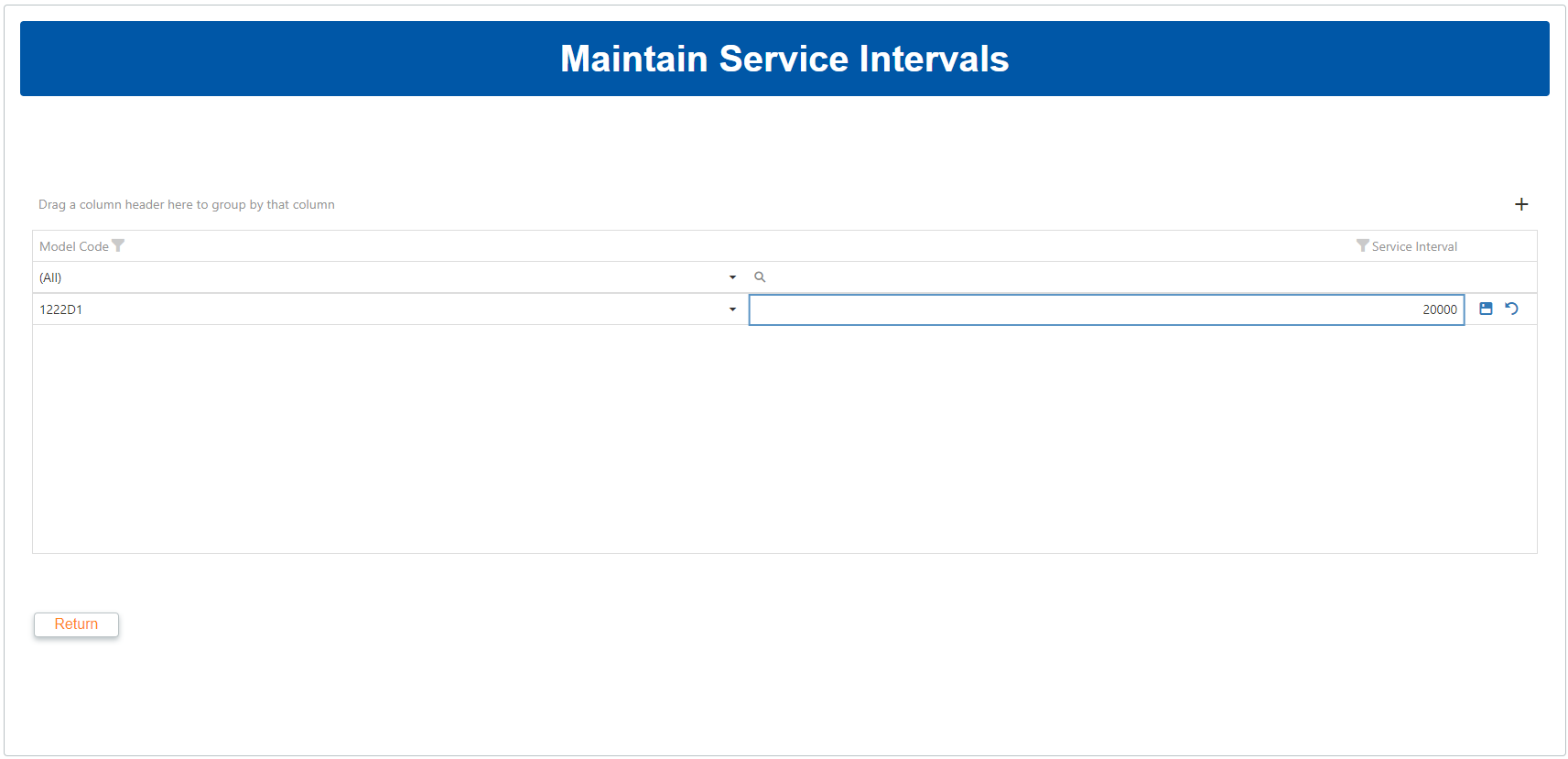
### Adding a new Service Interval

To add a new interval, click on the “+” button to the top right of the grid  and this will open an editor inside the grid.



*Figure 45: Add form*

Select a model code from the dropdown on the left and enter a service interval on the right. In all likelihood this service interval will be 20 000, but the option to specify the interval is there for the sake of future proofing the solution.

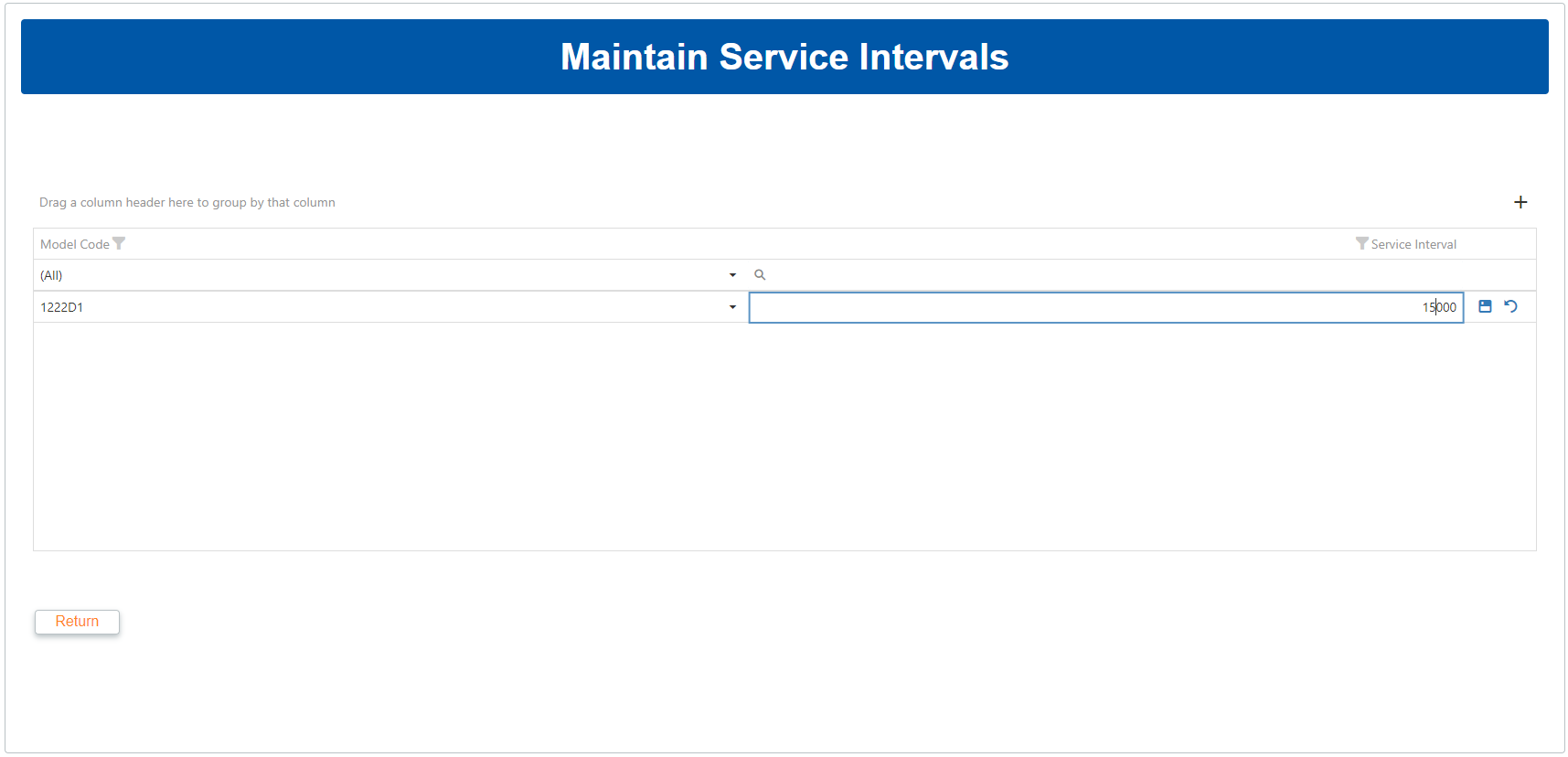


*Figure 45: Add form with values filled in*

Click the Save button  to the right of the row to save the entry.

### Editing an existing Entry

To Edit an existing entry, click on the Edit button  to the right of the grid to open the row in the editor and change values as necessary.

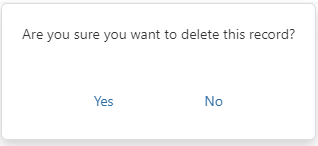


*Figure 47: Edit form with changed values*

Click the Save button  to the right of the row to save the updates to the entry.

### Deleting an entry

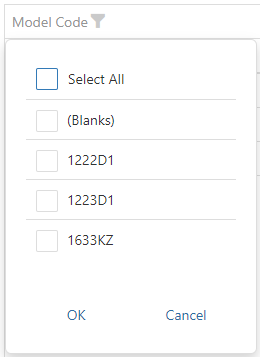
To delete an existing entry, click the Delete button to the right of the row, then click “Yes“ on the popup that follows



*Figure 48: Deletion confirmation popup*

### Grid features

The grid has multiple features that allows users to reorganize and reformat data:

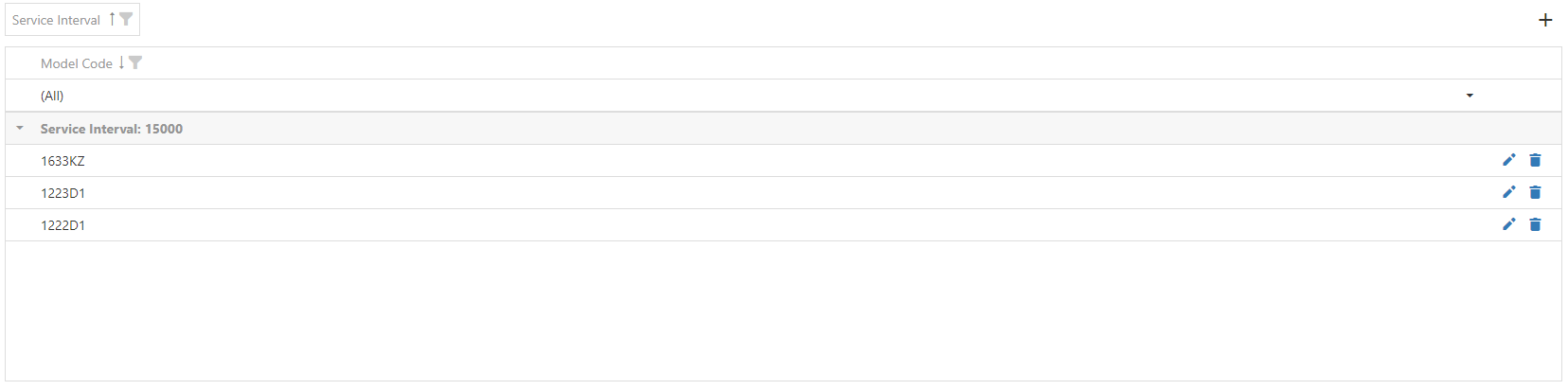
Column Filtering  will allow users to filter by a specific column’s values  


*Figure 49: Column filter widget*

* Column sorting will sort the grid’s data by a specific column’s values, either ascending or descending. This can be done by clicking on the column header. Clicking subsequent times after the first will toggle the sort order.



* Column grouping will group the data by a column’s values. This is done by dragging and dropping the column header into the space just above the grid. The grid can be grouped by multiple columns in this way.



*Figure 49: Grid grouped by Service Interval column*

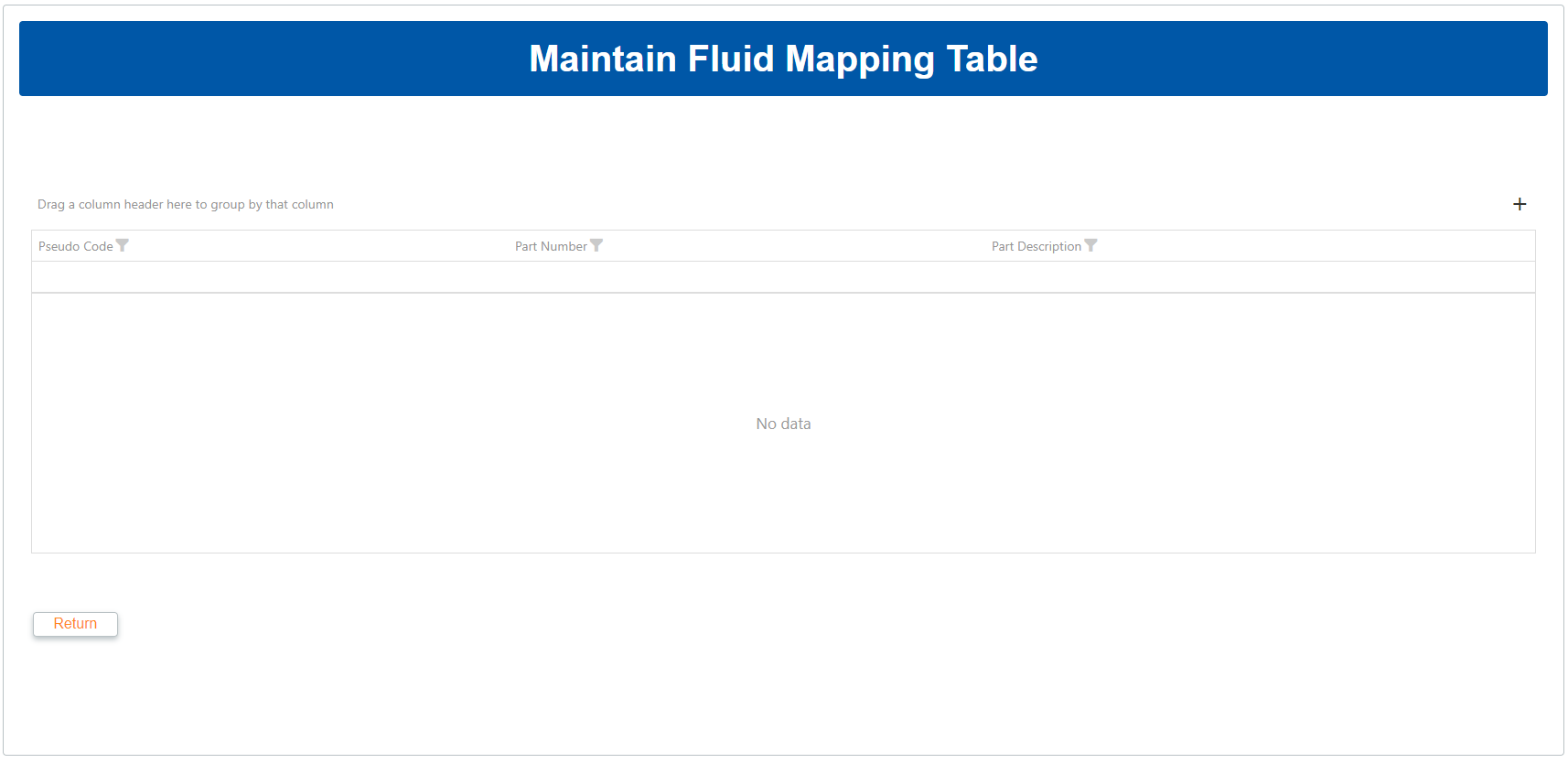
* Column searching allows users to enter a search term for a specific column. The column’s search bar is beneath the column header.



*Figure 51: Column search bar*

## Fluid Mapping

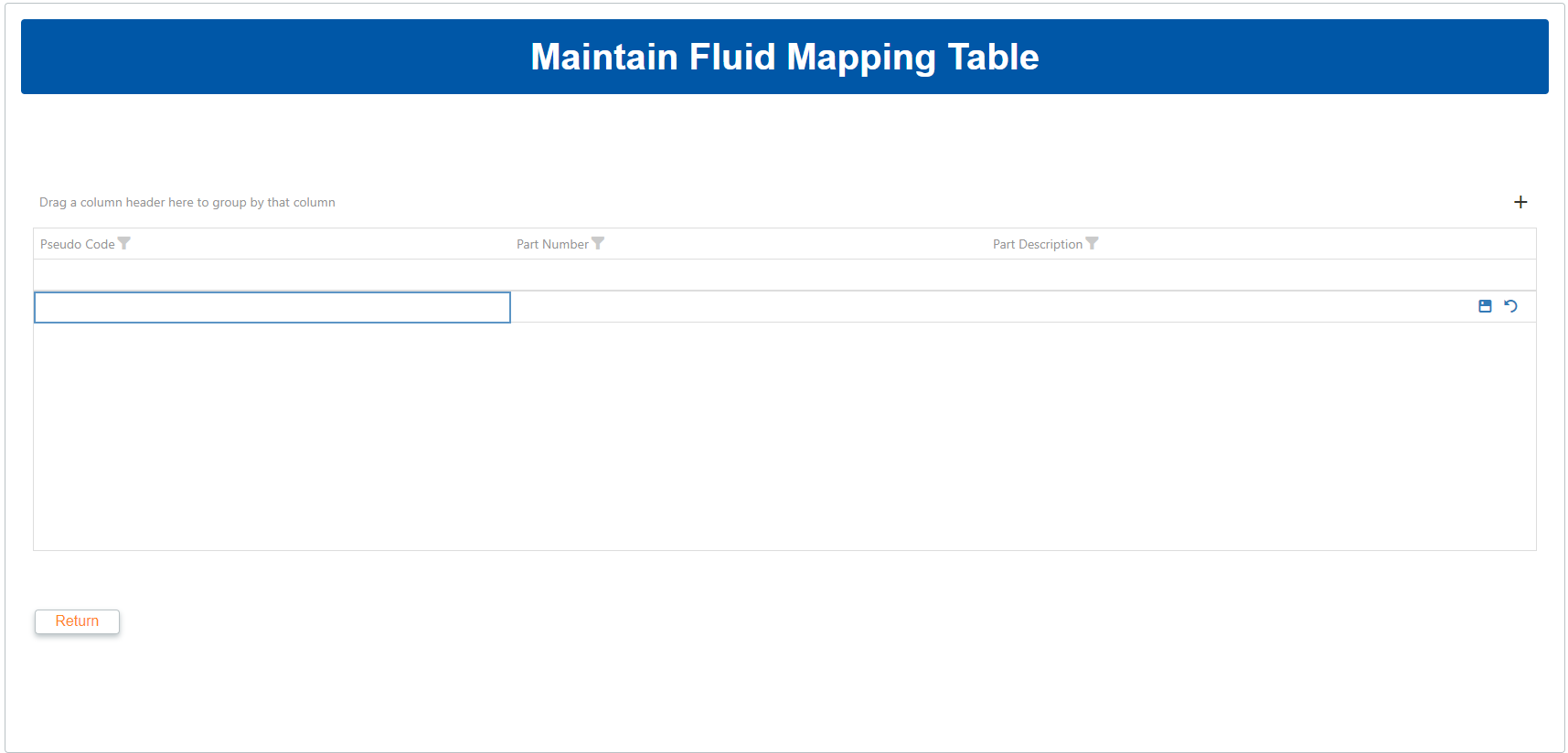
This page consists of a single data grid.



*Figure 52: Fluid Mapping Grid*

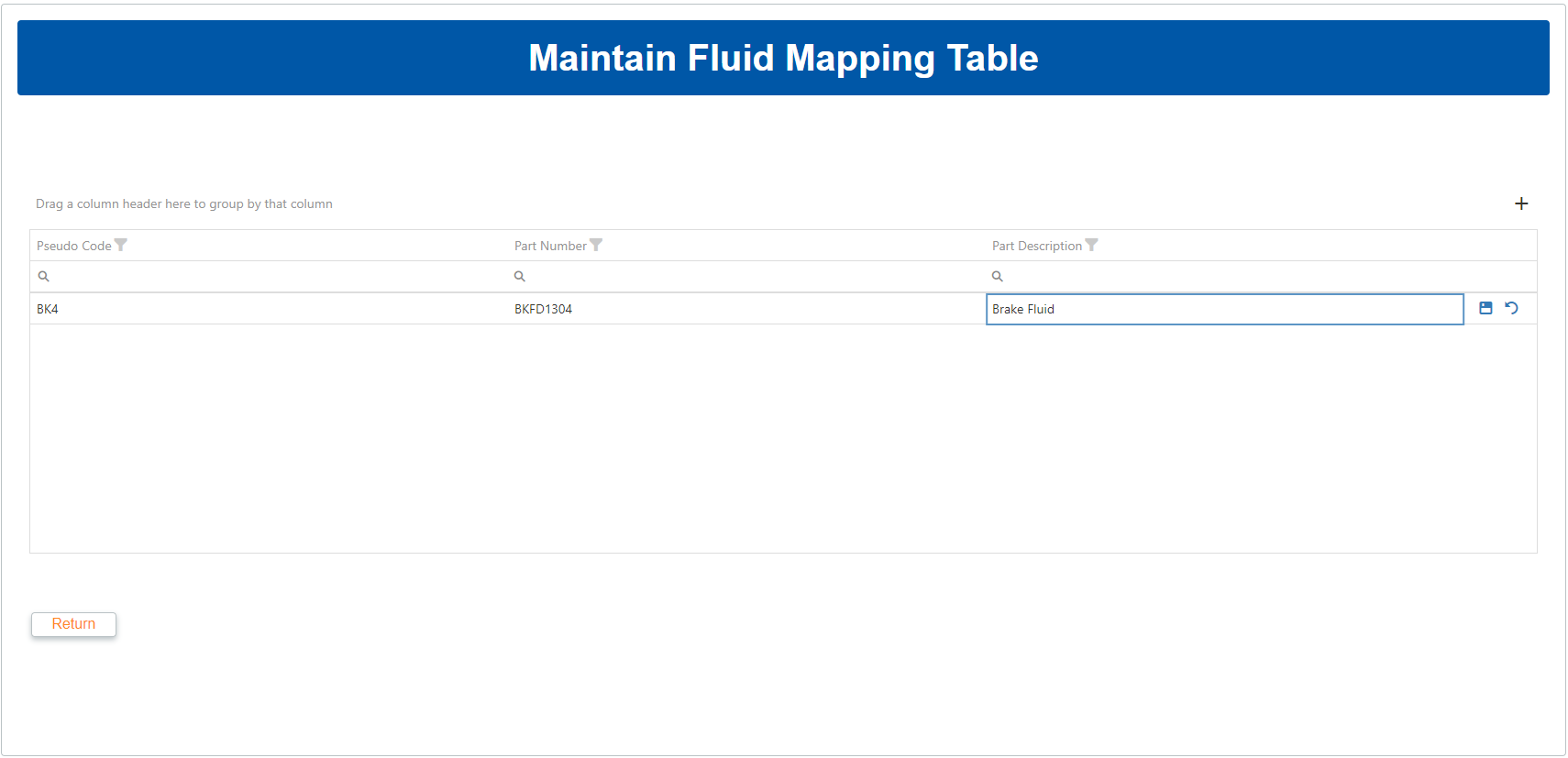
### Adding a new Fluid Mapping

To add a new interval, click on the “+” button to the top right of the grid  and this will open an editor inside the grid.



*Figure 53: Add form*

Select a model code from the dropdown on the left and enter a service interval on the right. In all likelihood this service interval will be 20 000, but the option to specify the interval is there for the sake of future proofing the solution.

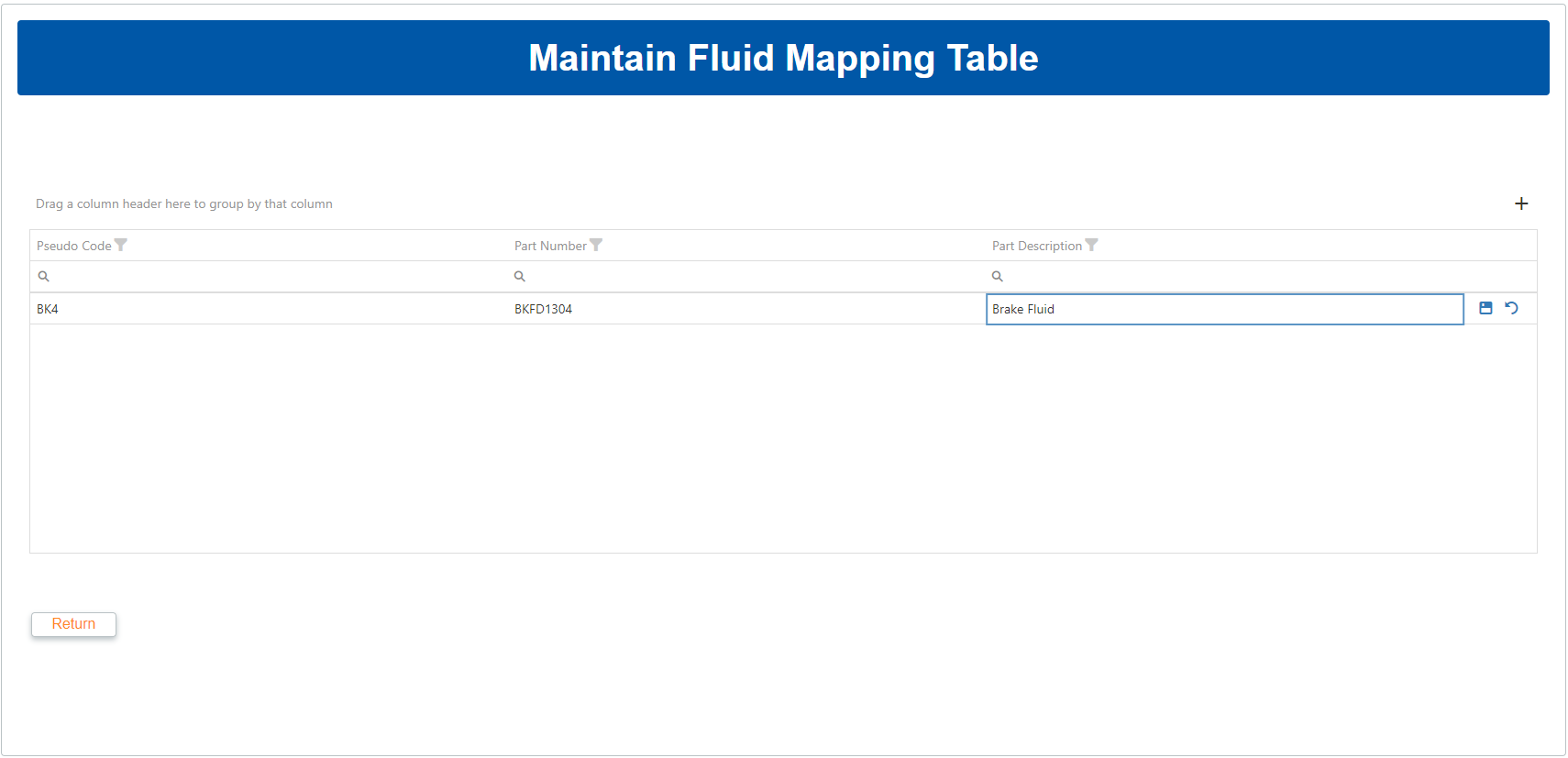


*Figure 54: Add form with values filled in*

Click the Save button  to the right of the row to save the entry.

### Editing an existing Entry

To Edit an existing entry, click on the Edit button  to the right of the grid to open the row in the editor and change values as necessary.

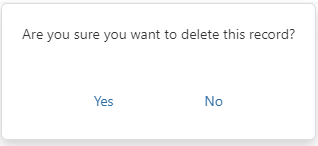


*Figure 55: Edit form with changed values*

Click the Save button  to the right of the row to save the updates to the entry.

### Deleting an entry

To delete an existing entry, click the Delete button to the right of the row, then click “Yes“ on the popup that follows



*Figure 56: Deletion confirmation popup*

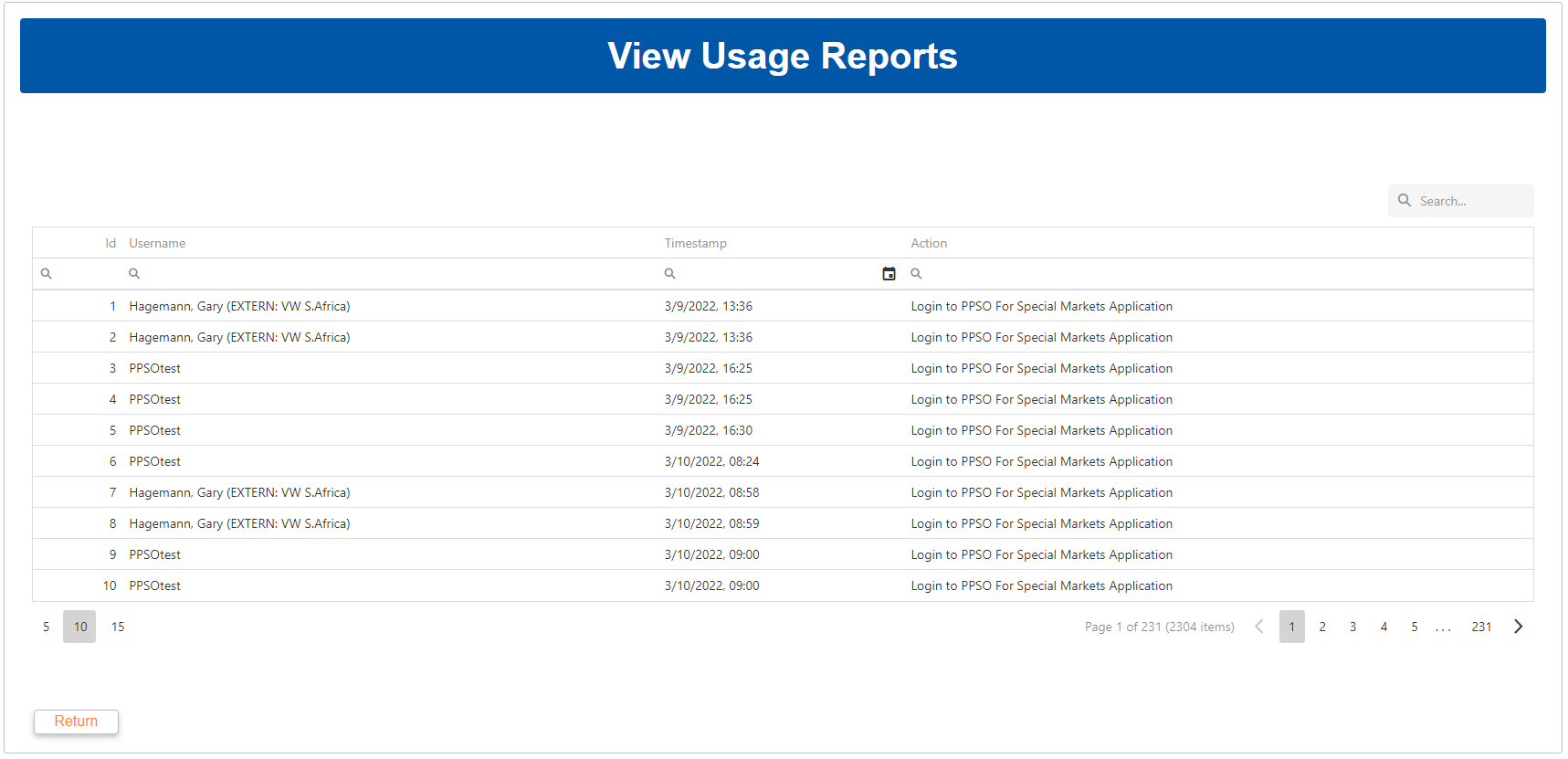
### Grid Features

The grid has multiple features that allows users to reorganize and reformat data:

* Column Filtering  will allow users to filter by a specific column’s values.
* Column sorting will sort the grid’s data by a specific column’s values, either ascending or descending. This can be done by clicking on the column header. Clicking subsequent times after the first will toggle the sort order.
* Column grouping will group the data by a column’s values. This is done by dragging and dropping the column header into the space just above the grid. The grid can be grouped by multiple columns in this way.
* Column searching allows users to enter a search term for a specific column. The column’s search bar is beneath the column header.

## Usage Reports

This page consists of a single read-only data grid.



*Figure 57: Usage Reports Grid*

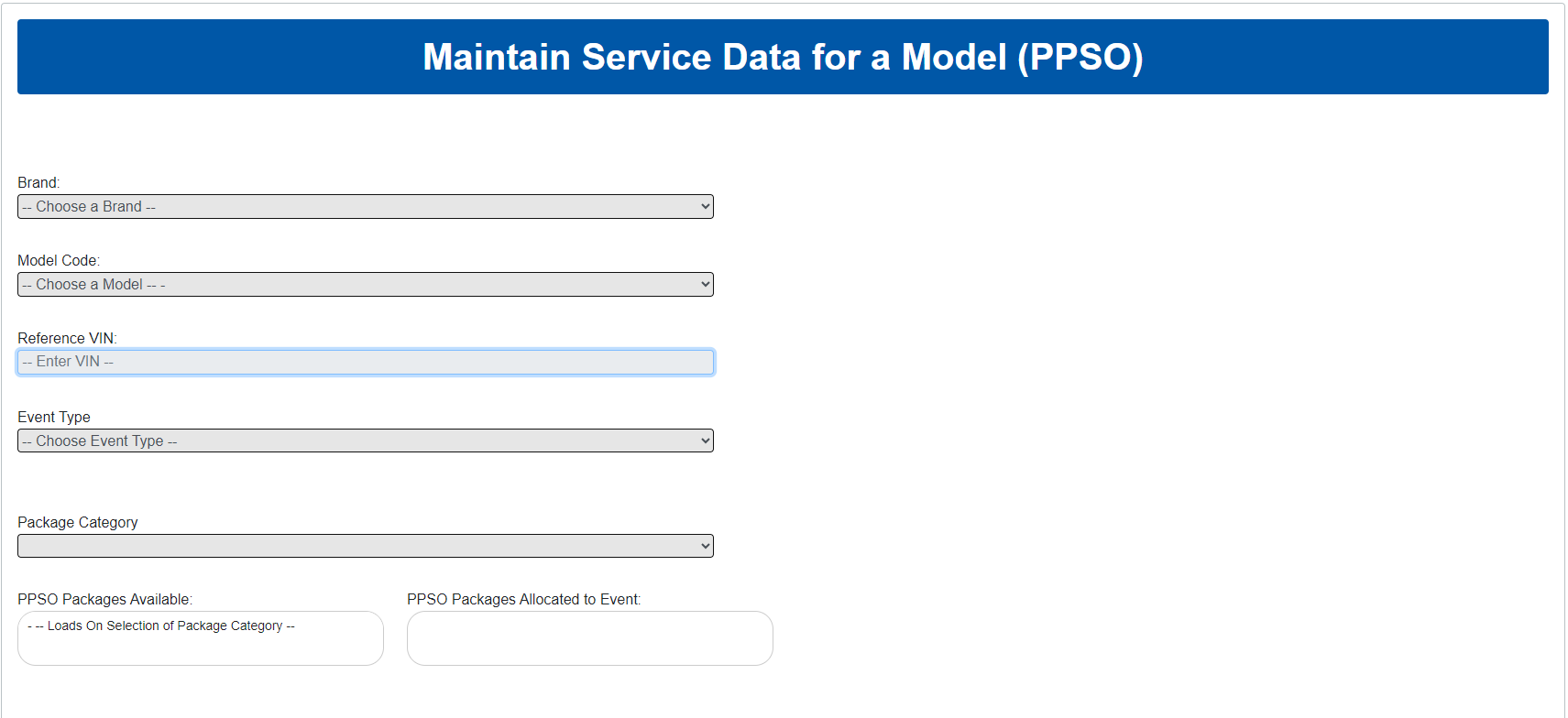
The grid has multiple features that allows users to reorganize and reformat data:

* Column sorting will sort the grid’s data by a specific column’s values, either ascending or descending. This can be done by clicking on the column header. Clicking subsequent times after the first will toggle the sort order.
* Column searching allows users to enter a search term for a specific column. The column’s search bar is beneath the column header.
* Grid Searching will scan the entire dataset for a search term, as typed in the Seach bar at the top right of the grid.



## Manual Data Maintenance

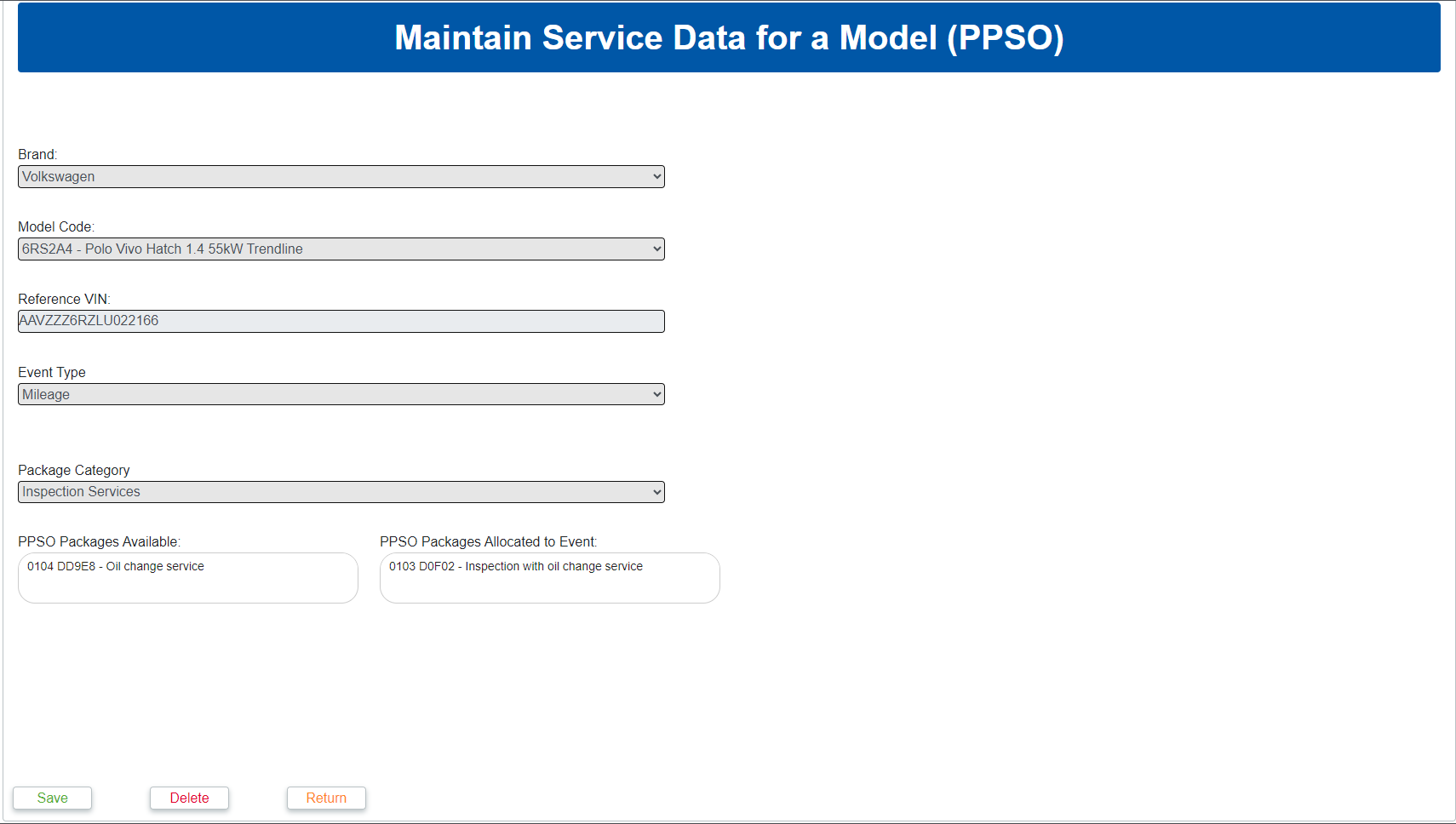
This page consists of 4 dropdowns, a read only text box and 2 drag-droppable lists.



*Figure 52: Manual Data Maintenance Grid*

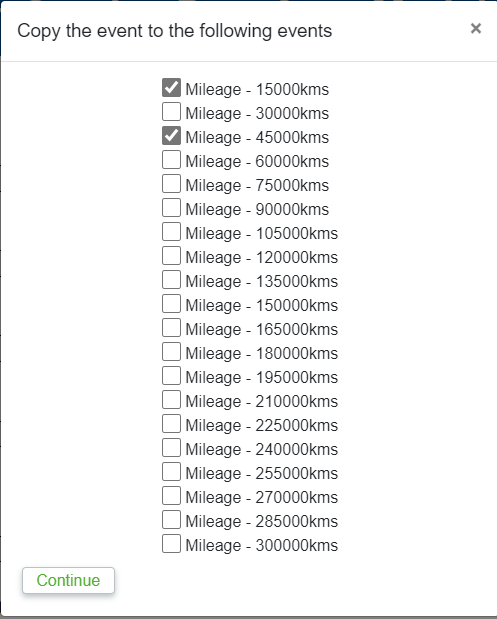
To manage the service data for a specific model:

1. Select a Brand from the dropdown.
2. Select a Model Code from the next dropdown.
3. The Reference VIN field will fill automatically with the VIN associated with the model.
4. Select an Event Type.
5. Select a Package Category.
6. Drag the packages from the left list over to the right list.
7. At the bottom left of the page, click Save.



*Figure 59: Fields with values selected*

1. Click Save
2. Select all events the data should be copied to



1. Click Continue

Data for the model can be deleted by clicking the Delete button at the bottom of the page and clicking Delete on the popup that follows.

# Weekly Task Scheduler

The weekly Task scheduler has a number of update tasks that will run every Sunday at 03:00 AM. While most of these processes are automatic and require no further intervention, two of these processes use data files that will need to be acquired from outside the system. These files can be found in the "FlatFiles" folder in the directory the system is being hosted from.

## Models Flat File

This file contains the model information stored in the database. This file is named "motovate\_carprice.txt" and it is important to note that the same filename must be used when the file is copied.

## Part Price Flat File

This file contains the Part Price information stored in the database. This file is named "DPF.ET2000.RETAIL" and it is important to note that the same filename must be used when the file is copied.

## Vehicle Service History Flat

This file contains the Vehicle Service History information stored in the database. This file is named "Sample Service Data" and it is important to note that the same filename must be used when the file is copied.