To add an **existing Rebuilt Part** into a **new Rebuilt Part**, the process involves:

1. **Populating the Rebuilt Part dropdown** (combobox) with existing rebuilt parts.
2. **Fetching details of the selected rebuilt part** when the user clicks **Resolve**.
3. **Inserting the selected rebuilt part** into the new rebuilt part.

Below is a detailed explanation of the SQL queries, stored procedures, and code logic involved in this process.

**1. Populating the Rebuilt Part Dropdown (Combobox)**

The dropdown for selecting an existing rebuilt part is populated by querying the database for a list of rebuilt parts. This is typically done using a stored procedure.

**SQL Stored Procedure**

* **Procedure Name**: CES\_INQUIRY.RETRIEVE\_RB or similar.
* **Purpose**: Retrieves a list of rebuilt parts from the database.
* **SQL Example**:

sql

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SELECT rebuilt\_stock\_num, keyword, detailed\_desc

FROM RB\_MASTERLIST

WHERE active = 'Y'

**Code Example**

vb

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Set cboRebuiltPart.RowSource = modDBHelper.RetrieveRB("CES\_INQUIRY.RETRIEVE\_RB")

cboRebuiltPart.ListField = "rebuilt\_stock\_num"

cboRebuiltPart.BoundColumn = "rebuilt\_stock\_num"

* cboRebuiltPart is the combobox for selecting rebuilt parts.
* RetrieveRB is a function that calls the stored procedure CES\_INQUIRY.RETRIEVE\_RB and returns a recordset.
* The ListField property binds the dropdown to the rebuilt\_stock\_num field (the rebuilt part number).
* The BoundColumn property ensures that the selected value is the rebuilt part number.

**2. Fetching Details of the Selected Rebuilt Part**

When the user selects a rebuilt part from the dropdown and clicks **Resolve**, the system fetches the details of the selected rebuilt part (e.g., keyword, description, unit cost, etc.).

**SQL Stored Procedure**

* **Procedure Name**: CES\_INQUIRY.RETRIEVE\_RB\_DETAILS or similar.
* **Purpose**: Retrieves details of the selected rebuilt part.
* **SQL Example**:

sql

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SELECT rebuilt\_stock\_num, keyword, detailed\_desc, unit\_cost, core\_cost

FROM RB\_MASTERLIST

WHERE rebuilt\_stock\_num = @RebuiltStockNum

**Code Example**

vb

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Private Sub cmdResolve\_Click()

Dim RS As ADODB.Recordset

On Error GoTo Error\_Handler

' Fetch details of the selected rebuilt part

Set RS = modDBHelper.RetrieveRBDetails("CES\_INQUIRY.RETRIEVE\_RB\_DETAILS", cboRebuiltPart.Text)

If RS.RecordCount > 0 Then

' Populate fields with fetched data

txtKeyword.Text = RS.Fields.Item("keyword")

txtDescription.Text = RS.Fields.Item("detailed\_desc")

txtUnitCost.Text = Format(RS.Fields.Item("unit\_cost"), "0.00")

txtCoreCost.Text = Format(RS.Fields.Item("core\_cost"), "0.00")

Else

MsgBox "No details found for the selected Rebuilt Part.", vbExclamation, "Error"

End If

Exit Sub

Error\_Handler:

MsgBox "Error fetching Rebuilt Part details.", vbCritical, "Error"

End Sub

* cboRebuiltPart.Text contains the selected rebuilt part number.
* RetrieveRBDetails is a function that calls the stored procedure CES\_INQUIRY.RETRIEVE\_RB\_DETAILS and returns a recordset.
* The fetched details (e.g., keyword, description, unit cost, core cost) are displayed in read-only textboxes.

**3. Inserting the Selected Rebuilt Part into the New Rebuilt Part**

When the user clicks **Add**, the selected rebuilt part is inserted into the new rebuilt part. This involves inserting a record into the SC\_PARTS\_USED table or similar.

**SQL Stored Procedure**

* **Procedure Name**: CES\_UPDATE.ADD\_RBP\_USED or similar.
* **Purpose**: Inserts the selected rebuilt part into the new rebuilt part.
* **SQL Example**:

sql

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INSERT INTO SC\_PARTS\_USED (

stock\_code, cost\_centre, quantity, percent\_usage, unit\_cost, core\_cost,

link\_number, link\_type, rebuilt\_part, mms\_rebuilt\_code, rebuilt\_part\_cost

)

VALUES (

@StockCode, @CostCentre, @Quantity, @PercentUsage, @UnitCost, @CoreCost,

@LinkNumber, @LinkType, @RebuiltPart, @MMSRebuiltCode, @RebuiltPartCost

)

**Code Example**

vb

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Private Sub cmdAdd\_Click()

Dim l\_Result As Long

Dim l\_RetVal As Long

On Error GoTo Error\_Handler

' Validate inputs

If Trim(cboRebuiltPart.Text) = "" Then

MsgBox "Please select a Rebuilt Part.", vbExclamation, "Error"

Exit Sub

End If

' Insert the selected rebuilt part into the new rebuilt part

l\_Result = modDBHelper.AddRBPUsed("CES\_UPDATE.ADD\_RBP\_USED", \_

l\_RetVal, \_

cboRebuiltPart.Text, \_ ' Rebuilt Part Number

cboCostCentre.Text, \_ ' Cost Centre

txtQuantity.Text, \_ ' Quantity

txtPercentUsage.Text, \_ ' Percentage Usage

g\_str\_UserName, \_ ' User Name

CCur(txtUnitCost.Text), \_ ' Unit Cost

m\_str\_LinkNumber, \_ ' Link Number (new rebuilt part)

"RB", \_ ' Link Type (RB for rebuilt parts)

CCur(txtCoreCost.Text)) ' Core Cost

If l\_Result = 0 Then

MsgBox "Rebuilt Part added successfully.", vbInformation, "Success"

Else

MsgBox "Error adding Rebuilt Part.", vbCritical, "Error"

End If

Exit Sub

Error\_Handler:

MsgBox "Error adding Rebuilt Part.", vbCritical, "Error"

End Sub

* cboRebuiltPart.Text contains the selected rebuilt part number.
* cboCostCentre.Text contains the selected cost centre.
* txtQuantity.Text contains the quantity entered by the user.
* txtPercentUsage.Text contains the percentage usage entered by the user.
* txtUnitCost.Text contains the unit cost fetched from the database.
* txtCoreCost.Text contains the core cost fetched from the database.
* m\_str\_LinkNumber is the new rebuilt part number (the one being created).

**4. Populating Other Comboboxes**

Other comboboxes (e.g., **Cost Centre**) are populated similarly using stored procedures.

**Cost Centre Combobox**

* **SQL Stored Procedure**: CES\_INQUIRY.RETRIEVE\_COST\_CENTRES.
* **Code Example**:

vb

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Set cboCostCentre.RowSource = modDBHelper.RetrieveCostCentres("CES\_INQUIRY.RETRIEVE\_COST\_CENTRES")

cboCostCentre.ListField = "cost\_centre"

**Summary**

1. **Rebuilt Part Dropdown**:
   * Populated using CES\_INQUIRY.RETRIEVE\_RB.
   * Displays rebuilt\_stock\_num and binds to it.
2. **Resolve Button**:
   * Calls CES\_INQUIRY.RETRIEVE\_RB\_DETAILS to fetch details of the selected rebuilt part.
   * Populates fields like keyword, description, unit cost, and core cost.
3. **Add Button**:
   * Calls CES\_UPDATE.ADD\_RBP\_USED to insert the selected rebuilt part into the new rebuilt part.
4. **Cost Centre Dropdown**:
   * Populated using CES\_INQUIRY.RETRIEVE\_COST\_CENTRES.

Let me know if you need further clarification or additional details!