



Umler[®] Component Tracking User Guide



© 2026 Railinc. All Rights Reserved.

Last Updated: March 2026

Legal Disclaimer: Any actions taken in reliance on or pursuant to this document are subject to Railinc's Terms of Use, as set forth in <https://public.railinc.com/terms-use>, and all AAR rules.

Table of Contents

Welcome to Umler Component Tracking.....	6
Prerequisites.....	6
System Requirements.....	6
User Guide Structure.....	6
User Interface.....	7
Railinc Component Tracking Page Layout.....	7
Railinc Interface Elements.....	8
Component Tracking -Specific Interface Elements.....	9
Getting Started.....	10
Logging In.....	10
Logging Out.....	11
Registration.....	12
Search.....	12
Viewing Component Details.....	14
Editing Components.....	14
Deleting Components.....	16
Add New Component.....	17
Add Bolsters.....	20
Add Couplers.....	22
Add Brake Valve Control Emergency.....	23
Add Brake Valve Control Service.....	24
Add Side Frames.....	25
Add Slack Adjusters.....	26
Add Wheelsets.....	27
Add Pressure Relief Valve.....	33
Add Cushioning Unit.....	34
Upload Components CSV.....	35
CSV Registration Upload File Preparation.....	37
Field Registration.....	38
Bolsters.....	39
Couplers.....	44
Brake Valve Control Emergency.....	48
Brake Valve Control Service.....	51
Slack Adjuster.....	54
Sideframe.....	57
Wheelsets.....	60
Cushioning Units.....	65
Associate Component.....	70
Associate a Component.....	70
Bolster Association.....	72
Coupler Association.....	75
Brake Value Control Emergency Association.....	78
Brake Value Control Service Association.....	80
Sideframe Association.....	82
Slack Adjuster Association.....	85
Wheelset Association.....	87
Pressure Relief Valve Association.....	91

Cushioning Unit Association	93
View All.....	96
Nullify an Association	97
Upload Association CSV	99
CSV Association Upload File Preparation	100
Component Association Transaction History	101
Query.....	104
Pre-Defined Queries.....	104
Glossary	107

List of Exhibits

Exhibit 1. Railinc Web Application Page Layout.....	7
Exhibit 2. Launch Pad.....	8
Exhibit 3. Umler/ Component Registry Application Menu Bar	9
Exhibit 4. Component Registry Menu	9
Exhibit 5. Component Tracking-Specific Icons.....	9
Exhibit 6. Component Tracking-Specific Command Buttons	9
Exhibit 7. User Mark Selection.....	10
Exhibit 8. Umler Home.....	11
Exhibit 9. Component Registry Application Menu Functions.....	11
Exhibit 10. Component Registry Menu With Registration.....	12
Exhibit 11. Registration Tabs and Descriptions.....	12
Exhibit 12. Search Component Registry.....	12
Exhibit 13. Component Registry Search Results	13
Exhibit 14. Component Registry Search Results with Component Details	14
Exhibit 15. Edit Component	15
Exhibit 16. Delete Component Confirmation	16
Exhibit 17. Delete Component Success Message	16
Exhibit 18. Add New Component to Registry	17
Exhibit 19. Failed Add Component Transaction With Error Message	18
Exhibit 20. Add New Component to Registry Success Message.....	19
Exhibit 21. Add New Bolster.....	20
Exhibit 22. Trademark Select	21
Exhibit 23. Add New Coupler	22
Exhibit 24. Add New Brake Valve Control Emergency	23
Exhibit 25. Add New Brake Valve Control Service	24
Exhibit 26. Add New Side Frame	25
Exhibit 27. Add New Slack Adjusters	26
Exhibit 28. Add New Wheelset - 1. Base Elements.....	27
Exhibit 29. Add New Wheelset - 2. Axle	28
Exhibit 30. Add New Wheelset - 3.1 Wheel 1	29
Exhibit 31. Add New Component - 3.2 Roller Bearing 1	30
Exhibit 32. Add New Wheelset - 4.1 Wheel 2.....	31
Exhibit 33. Add New Wheelset - 4.2 Roller Bearing 2.....	32
Exhibit 34. Add New Pressure Relief Valve.....	33
Exhibit 35. Add New Cushioning Unit.....	34
Exhibit 36. Browse Files to Find a Components CSV.....	35
Exhibit 37. Choose File For Upload	35
Exhibit 38. Successful Components Upload.....	36
Exhibit 39. Email With Upload Submission Status	36
Exhibit 40. Registration CSV Upload Template in Excel	37
Exhibit 41. Field Registration Select a Component Type.....	38
Exhibit 42. Search if Bolster is Registered	39
Exhibit 43. Bolster Reference Diagram	39
Exhibit 44. Field Registration Search Showing Component Found	40
Exhibit 45. Field Registration Search With Component Not Found	40
Exhibit 46. Bolster Field Registration Elements.....	41
Exhibit 47. Bolster Field Registration With Error	42
Exhibit 48. Successful Bolster Field Registration	43

Exhibit 49. Coupler Serial Number Bypass	44
Exhibit 50. Search if Coupler is Registered.....	44
Exhibit 51. Coupler Reference Diagram.....	45
Exhibit 52. Coupler Field Registration Elements	46
Exhibit 53. Successful Coupler Field Registration	47
Exhibit 54. Brake Valve Control Emergency Elements	48
Exhibit 55. Brake Valve Control Emergency Name Plate Location.....	49
Exhibit 56. Brake Valve Control Emergency and Service Name Plates.....	49
Exhibit 57. Successful Brake Valve Control Emergency Control Elements	50
Exhibit 58. Brake Valve Control Service Elements.....	51
Exhibit 59. Brake Valve Control Service Name Plate Location.....	52
Exhibit 60. Successful Brake Valve Control Service Field Registration.....	53
Exhibit 61. Slack Adjuster Elements	54
Exhibit 62. Slack Adjuster Name Plate Location	55
Exhibit 63. Slack Adjuster Name Plate.....	55
Exhibit 64. Successful Slack Adjuster Field Registration	56
Exhibit 65. Search if Sideframe is Registered	57
Exhibit 66. Side Frame Reference Diagram	57
Exhibit 67. Sideframes Field Registration Elements	58
Exhibit 68. Successful Sideframe Field Registration.....	59
Exhibit 69. Search if Wheelset is Registered.....	60
Exhibit 70. Wheelset Field Registration – Section 1-2.....	61
Exhibit 71. MID Search	61
Exhibit 72. Wheelset Field Registration – Section 3	62
Exhibit 73. Wheelset Field Registration – Section 4	63
Exhibit 74. Wheelset Field Registration With Error.....	64
Exhibit 75. Successful Wheelset Field Registration	64
Exhibit 76. Search if Cushunit is Registered	65
Exhibit 77. Cushioning Unit Field Registration Search With Component Found.....	66
Exhibit 78. Cushioning Unit Field Registration Search With No Component Found	66
Exhibit 79. Cushioning Unit Field Registration Elements.....	67
Exhibit 80. Cushioning Unit Field Registration With Errors.....	68
Exhibit 81. Successful Cushioning Unit Field Registration	69
Exhibit 82. Associate Component Menu Item	70
Exhibit 83. Associate Component to Equipment	70
Exhibit 84. Associate Component Search Results	71
Exhibit 85. Associate Bolster to Equipment	72
Exhibit 86. Bolster Component Search.....	73
Exhibit 87. Bolster Recall Warning	74
Exhibit 88. Successful Bolster Association	74
Exhibit 89. Associate Coupler to Equipment.....	75
Exhibit 90. Coupler Component Search	76
Exhibit 91. Successful Coupler Association	77
Exhibit 92. Associate Brake Valve Control Emergency to Equipment	78
Exhibit 93. Brake Valve Control Emergency Component Search.....	79
Exhibit 94. Associate Brake Valve Control Service to Equipment	80
Exhibit 95. Brake Valve Control Service Component Search.....	81
Exhibit 96. Associate Sideframe to Equipment	82
Exhibit 97. Successful Sideframe Association	84
Exhibit 98. Associate Slack Adjuster to Equipment.....	85
Exhibit 99. Successful Slack Adjuster Association	86

Exhibit 100. Associate Wheelset to Equipment.....	87
Exhibit 101. Wheelsets Component Search.....	88
Exhibit 102. Successful Wheelset Association	89
Exhibit 103. View Component Details	90
Exhibit 104. Associate Pressure Relief Valve to Equipment.....	91
Exhibit 105. Pressure Relief Valve Component Search.....	92
Exhibit 106. Associate Cushioning Unit to Equipment	93
Exhibit 107. Cushing Unit Component Search	94
Exhibit 108. Successful Cushioning Unit Association	95
Exhibit 109. View All Associated Components for Equipment ID	96
Exhibit 110. Remove Component from Equipment.....	97
Exhibit 111. Confirm Nullify.....	97
Exhibit 112. Successful Association Nullification	98
Exhibit 113. Browse to Find CSV File	99
Exhibit 114. Association CSV Upload Template (in Excel).....	100
Exhibit 115. Transaction Log Search Using Element Value Criteria	101
Exhibit 116. Transaction Log Search Results	102
Exhibit 117. Component Transaction Details	103
Exhibit 118. Nullification Transaction Details	103
Exhibit 119. Query Submenu.....	104
Exhibit 120. Component Registry Query Menu Functions.....	104
Exhibit 121. Pre-Defined Query	105
Exhibit 122. Pre-Defined Query With Criteria	105
Exhibit 123. Successfully Submitted Pre-Defined Query	106
Exhibit 124. Pre-Defined Query Results Email	106

Welcome to Umler Component Tracking

Component Tracking, formerly known as CEPM (Comprehensive Equipment Performance Monitoring) is a web-based application that captures data for railcar equipment components. This data includes reporting on wheel repairs, validating railcar component existence, incorporating mileage information, and providing visibility into the current and past health status of rail equipment.

The first phase in the program focused on wheelsets: centralizing the registration of wheelset component details and identifying the application of wheelset components, including AAR and non-AAR repairs. The second phase added two additional components—bolsters and sideframes. Inventoried wheelsets without barcodes can be field registered. The third phase added couplers and later phases added brake valves, slack adjusters, pressure relief valves and cushioning units.

Users can:

- Register components in advance using Railinc’s Umler® Component Tracking
- Report the application of components via Railinc’s Umler, Car Repair Billing (CRB), and Equipment Health Maintenance System (EHMS) applications

Prerequisites

The Component Tracking operates as a part of Umler system. Each user must have an SSO ID and be authorized to use Umler. For more information on obtaining an SSO ID and requesting application access, see the [Umler User Guide](#).

Each user must be familiar with:

- Logging In/Out
- Railinc common interface component navigation

System Requirements

The basic computer requirements for Component Tracking are the same as Umler. For more information on system requirements, see the [Umler User Guide](#).

User Guide Structure

This document has been organized to reflect the application menu order of the Component Tracking. It describes use and interpretation of interface elements in the Component Tracking.

The format of the Railinc user guide is in an “offset” style. Dictionary-like retrieval text is used in the header.

Railinc Single Sign-On (SSO) information is included, and references to the Railinc Single Sign-On User Guide added. SSO information for Umler administrators is also in the [Railinc Single Sign-On User Guide](#).

Whenever possible the term “select” is used to indicate making a choice using either the mouse or keyboard. Left-clicking generally activates a control or selects an item. Where a double-click is

required, it is specified. Typical keyboard selection equivalents are described in [Railinc Interface Elements](#).

Underlined blue links are functional links to go to another location in the user guide.

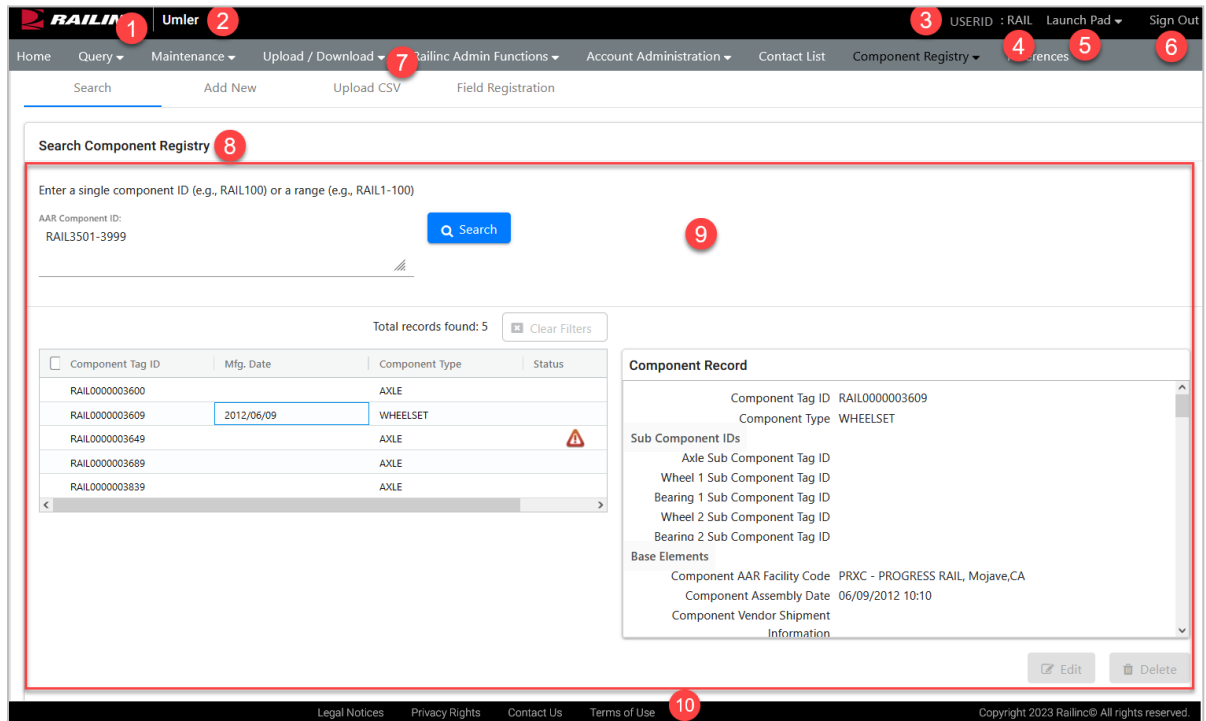
User Interface

The Component Tracking user interface provides the same navigational tools found in most Windows applications and internet sites.

Railinc Component Tracking Page Layout

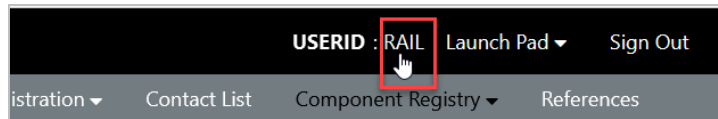
Each page in a Railinc web application has a similar structure.

Exhibit 1. Railinc Web Application Page Layout



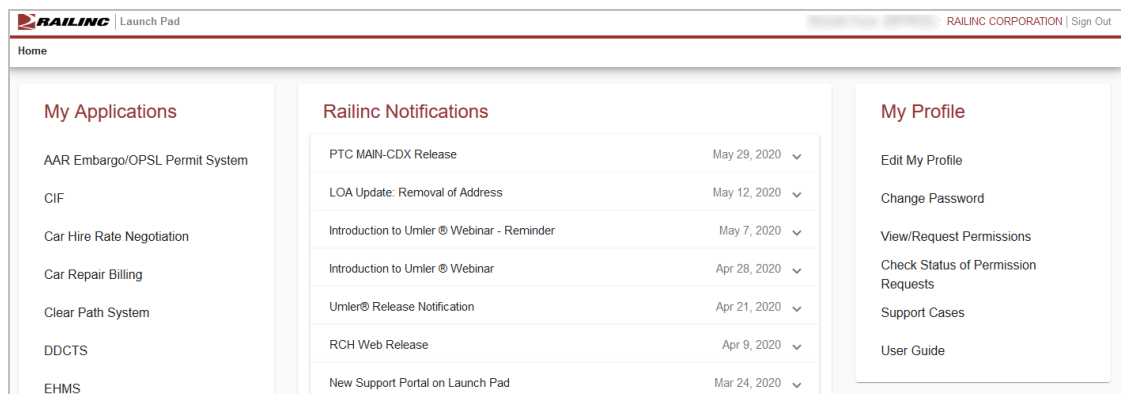
- 1 Logo**—Railinc logo. Logo is a link to the Railinc corporate website.
- 2 Application Title**—Name of the application. This is also a link to the Home page of the application.
- 3 User ID**—Logged in user.

- 4 **Company**—Company user is representing. For individuals representing several roads. Selecting this link while logged on (called out below) opens the User Mark Selection pop-up ([Exhibit 7](#)), to reselect the company on whose behalf the user will be working—without logging out.



- 5 **Launch Pad**— Click link to go directly to the SSO Launch pad to switch to other authorized Railinc applications (left side) or use other functions (right side) to change passwords, request other applications, or open a support case. ([Exhibit 2](#)).

Exhibit 2. Launch Pad



- 6 **Sign Out**—Logs out of current application and returns to the Railinc SSO login page.
- 7 **Application Menu**—The top of the Railinc page displays the application menu options. The options on this menu allow you to perform the various functions of the application. Some specific options include:
- **References**—Opens a page with links to various reference documents (e.g., user guide, specification manual, etc.).
- 8 **Page Title**—The title of the specific application task page.
- 9 **Page content area**—The area of the page where tasks are executed (shown outlined in red). These vary and may include a number of different elements, which are described in the next sections.
- 10 **Legal and Contact Links**—This area at the bottom left of each page contains links for Legal Notices, Privacy Rights, Terms of Use, and Contact Us.

Railinc Interface Elements

General interface elements are described in the [Umler User Guide](#), which contains basic explanations of the elements and components that assist in moving through the various pages of the application to complete tasks. Mouse and keyboard equivalents are discussed for each element. Interface elements unique to the Component Tracking are described in the next section.

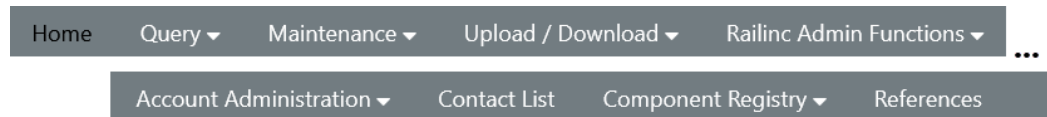
Component Tracking -Specific Interface Elements

This section describes the Component Tracking -specific interface elements.

Umler/Component Registry Application Menu

[Exhibit 3](#) shows the Umler/Component Registry application menu split on two lines.

Exhibit 3. Umler/ Component Registry Application Menu Bar

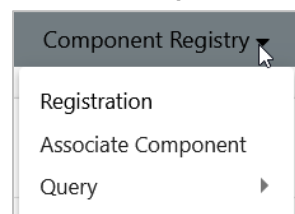


The Component Registry application menu provides the functions described in

[Exhibit 9](#):

Component Registry Menu

Exhibit 4. Component Registry Menu



Component Tracking Icons and Indicators

Component Tracking uses application-specific icons and indicators to assist the user:

Exhibit 5. Component Tracking-Specific Icons

Icon	Description
Component Tracking-Specific Icons	
	Indicates a component associated with more than one equipment ID
	Recall indicator icon (solid red with white exclamation mark)

Component Tracking Command Buttons

Component Tracking uses some application-specific command buttons.

Exhibit 6. Component Tracking-Specific Command Buttons

Name	Function
Associate	Associate an entered component with an Equipment ID
Nullify	Remove an association of a component from an equipment ID.

Mandatory Fields

Mandatory fields are shown with **red** asterisks.

Getting Started

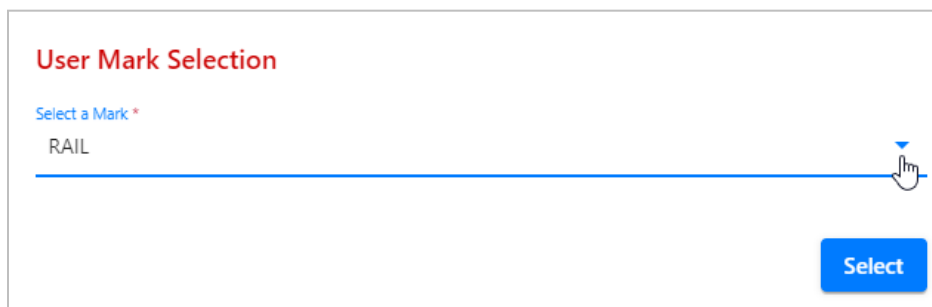
The Umler application is accessed using the Railinc Single Sign On (SSO), which can be accessed from the Railinc portal at <https://public.railinc.com>. Click the **Customer Login** link in the upper right of the page.

Logging In

To log into the Umler application:

1. Open your internet browser and enter <https://public.railinc.com> to open the Railinc website.
2. Select the **Customer Login** link in the upper right of the page. The Account Access page is displayed.
3. Enter your **User ID** and **Password**. Select **Sign In**. The Railinc Launch Pad is displayed.
4. Select **Umler** in the **My Applications** section.
 - a. If the user represents only one company, the Umler Home page is displayed ([Exhibit 8](#)).
 - b. If the user represents two or more companies, the User Mark Selection pop-up is displayed ([Exhibit 7](#)). Enter or select the company you want to represent and click the **Select** button. The Umler Home page is displayed ([Exhibit 8](#)). To switch to a different company, select the current company mark displayed next to your userid in the upper right (see [Company](#) example) and select from the User Mark Selection.

Exhibit 7. User Mark Selection



The screenshot shows a 'User Mark Selection' dialog box. At the top, the title 'User Mark Selection' is in red. Below it, the text 'Select a Mark *' is in blue. A text input field contains the word 'RAIL'. To the right of the input field is a blue horizontal line with a small blue triangle pointing down at its end, and a hand cursor icon is positioned over it. In the bottom right corner of the dialog is a blue button with the word 'Select' in white.

Exhibit 8. Umler Home

Welcome to the Umler® System

The Railinc **Umler®** system is the mission-critical source for reliable rail equipment data. The Umler equipment registry contains the physical characteristics, inspection history, transportation management and pool assignments of nearly two million pieces of rail equipment in North America. This registry is the base file for other industry reference files and industry equipment accounting files.

The Umler system provides rail carriers, equipment owners and shippers with real-time access to detailed equipment data, providing for the safe movement of traffic and smooth interchange of shipments between carriers. Umler allows the rail industry to provide customers with the right pieces of equipment for their shipment.

The Umler system enables better communication and collaboration among rail partners for enhanced asset management and improved rail safety.

☐ Use Spanish for error messages and form labels

Release Docs

- [Umler User Guide](#)
- [Umler Data Specification Manual](#)
- [Umler Change Request Form](#)
- [Component Registry User Guide](#)
- [Component Registry Data Specification Manual](#)

Umler Contacts for RAIL

External users are not currently provided Umler contacts for RAIL when searching Findus.Rail. Providing contacts in Findus.Rail makes it easy for the rail industry to contact your company.

Umler Company Administrator(s) for RAIL Equipment, Pool, and Inspection Rights:

[Umler Company Admin](#)

To search for contacts at other companies [click here](#)

Equipment

Single Equipment Search

Equipment units in conflict: 775

[Download Equipment in Conflict](#)

Equipment with component ID conflicts: 71

Equipment Validation Requests: 0

Continue by selecting **Component Registry** from the application menu item (refer to [Exhibit 9](#)) and select from the following functions:

Exhibit 9. Component Registry Application Menu Functions

- [Registration](#)** Allows the authorized user to search for, edit, delete, add, and upload components ([Exhibit 11](#)).
- [Associate Component](#)** Allows the authorized user to associate a component with an equipment ID ([Exhibit 83](#)).
- [Query](#)** Opens the Query submenu ([Exhibit 119](#)).

Logging Out

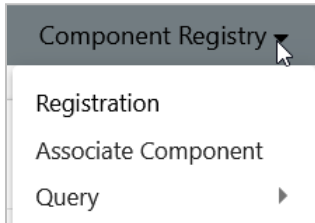
Select the **Launch Pad** link to end an Umler session. The user returns to the SSO Launch Pad.

If multiple SSO applications are open (in separate browser windows), and the users wants to close only one, close the unwanted window using **X**, or **Alt+F4**. Do NOT select the **Sign Out** link—it ends all Single Sign-On sessions.

Registration

When the user selects **Component Registry > Registration** in Umler ([Exhibit 10](#)), the Search tab is displayed ([Exhibit 12](#)).

Exhibit 10. Component Registry Menu With Registration



[Exhibit 11](#) describes the tasks available on the tabs.

Exhibit 11. Registration Tabs and Descriptions

Tab Item	Description
Search	Allows the user to search for component IDs (default)
Add New	Allows the authorized user to add a new component to the Registry
Upload Components CSV	Allows the authorized user to upload CSV records to the Registry
Field Registration	Allows shops to register pre-Component Tracking components without barcodes (Exhibit 69)

Search

Use the following procedure to search for an existing registry component:

1. Log onto Umler as described in [Logging In](#). The Umler Home page is displayed ([Exhibit 8](#)).
2. Select **Component Registry > Registration**. The Search Component Registry tab page is displayed ([Exhibit 12](#)).

Exhibit 12. Search Component Registry

 A screenshot of the "Search Component Registry" tab page. At the top, there are four tabs: "Search", "Add New", "Upload CSV", and "Field Registration". The "Search" tab is selected and highlighted with a blue underline. Below the tabs is a search form. The form has a title "Search Component Registry" and a subtitle "Enter a single component ID (e.g., RAIL100) or a range (e.g., RAIL1-100)". There is a text input field labeled "AAR Component ID" and a blue button with a magnifying glass icon and the text "Search".

- Enter a component ID. Ranges are supported up to 500 IDs. Format is XXXX (four alpha characters) plus up to ten digits. In this example ([Exhibit 13](#)) components from RAIL from 1625-2000 was entered.

Exhibit 13. Component Registry Search Results

Search Add New Upload CSV Field Registration

Search Component Registry

Enter a single component ID (e.g., RAIL100) or a range (e.g., RAIL1-100)

AAR Component ID:
RAIL1625-2000

[Search](#)

Total records found: 6 [Clear Filters](#)

☐	Component Tag ID	Mfg. Date	Component Type	Status
☐	RAIL0000001633		EMERVALVE	
☐	RAIL0000001643		BEARING	
☐	RAIL0000001653		BEARING	
☐	RAIL0000001729		COUPLER	
☐	RAIL0000001905	2017/11/13	WHEELSET	
☐	RAIL0000001943		BEARING	

[Edit](#) [Delete](#)

Select components *individually* using the check box beside the component. Use the checkbox at the left of the gray header to select/unselect *all* components in the list.

- Choose from the following tasks:

- [View Component Details](#)
- [Edit Component](#)
- [Delete Component](#)

Viewing Component Details

Selecting a component row displays a box with the beginning of the component registration details ([Exhibit 14](#)). To view details of a different component, select its row. To view complete details, the user must Edit the record. See [Editing Components](#) for details.

Exhibit 14. Component Registry Search Results with Component Details

Search Add New Upload CSV Field Registration

Search Component Registry

Enter a single component ID (e.g., RAIL100) or a range (e.g., RAIL1-100)

AAR Component ID:
RAIL1625-2000

Total records found: 6

☐	Component Tag ID	Mfg. Date	Component Type	Status
☐	RAIL0000001633		EMERVALVE	
☐	RAIL0000001643		BEARING	
☐	RAIL0000001653		BEARING	
☐	RAIL0000001729		COUPLER	
☒	RAIL0000001905	2017/11/13	WHEELSET	
☐	RAIL0000001943		BEARING	

Component Record

Component Tag ID RAIL0000001905
Component Type WHEELSET

Sub Component IDs

- Axle Sub Component Tag ID
- Wheel 1 Sub Component Tag ID
- Bearing 1 Sub Component Tag ID
- Wheel 2 Sub Component Tag ID
- Bearing 2 Sub Component Tag ID

Base Elements

- Component AAR Facility Code ABG - AMTRAK, Beech Grove, IN
- Component Assembly Date 11/14/2017 02:10
- Component Vendor Shipment Information

Editing Components

Components can be edited one at a time. Use the following procedure to edit a component:

1. After a successful search for a component, check the box for the component you want to edit and select **Edit**. Edit Component is displayed ([Exhibit 15](#)).

Note: Only a portion of each section is shown in these exhibits. For complete information about the entire Edit Component interface, see Add New Component. Online Element Help provides a complete description of each element.

Mandatory elements are shown with an asterisk (*).

Exhibit 15. Edit Component

Search

Add New

Upload CSV

Field Registration

Edit Component

AAR Component ID:

Company Code

RAIL

Component ID Number

000001905

Component Type

WHEELSET

Save

Cancel

Sub Component ID

Sub Component Company Code	Sub Component ID Number
Axle:	
Wheel 1:	
Roller Bearing 1:	
Wheel 2:	
Roller Bearing 2:	

1. Base Elements

* Component AAR Facility Code (C003):

ABG - AMTRAK, Beech Grove,IN

* Component Assembly Date (C004):

11/14/2017

(mm/dd/yyyy)

* Component Assembly Time (C004):

02:10

(hh:mm)

Component Defect Flag (C007):

Component Registration Date (C010):

04/30/2019 19:05

Purchased Core Turned (C011):

Y - Yes

Wheelset New or Turned (C012):

T

* Certificate Number (C210):

28 - Brenco

* New or Reconditioned (C211):

N - New

AAR Extended Bearing Code (C212):

* Seal Type (C213):

8SKF0004 - SKF E2 LL

* Grease Type (C214):

SOEX0007 - Shell GadusRail S3 AAR AP 1.5

* Cage Type (C215):

8AMS0003 - Brenco Steel

* Backing Ring Type (C216):

8SKF0001 - SKF Natural Fitted

Bearing Locking Plate Type (C217):

AARX0001 - Standard Locking Plate

Bearing Seal Wear Ring Type (C218):

Save

Cancel

Note: The Component ID fields cannot be changed.

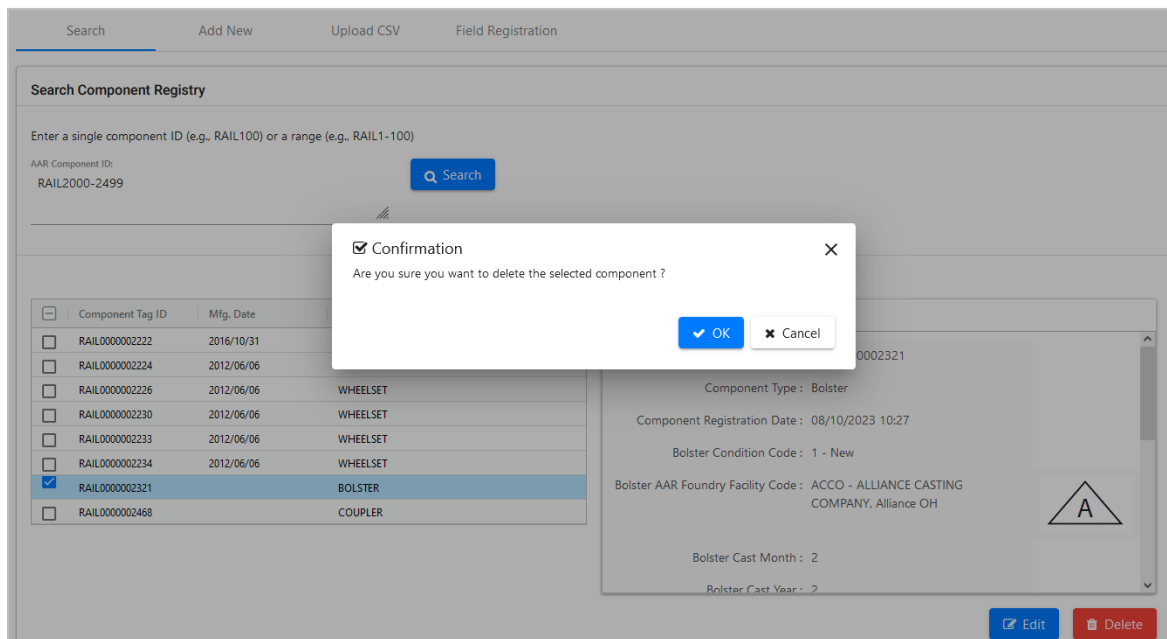
- When changes have been made to the component, select **Save** (either at top or bottom of interface). A confirmation message is displayed at the top of the interface. Select **Cancel** to exit.

Deleting Components

When a component has been entered in error, it can be deleted. Associated components cannot be deleted. Use the following procedure to delete a component (or a group of components):

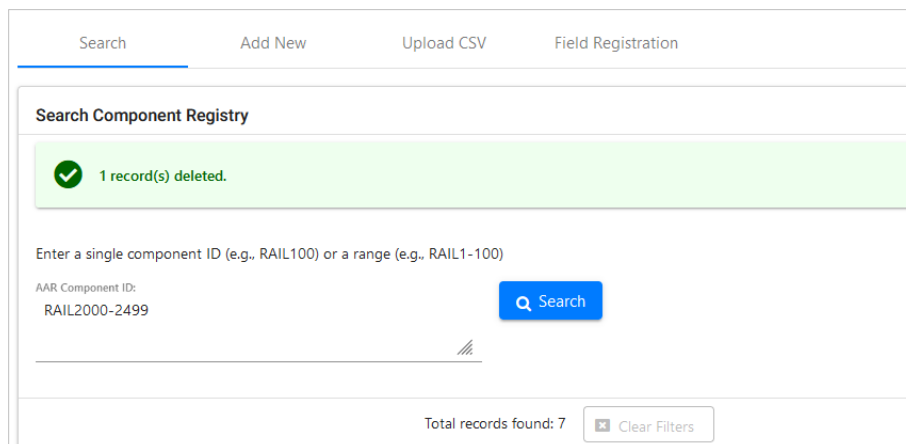
- After a successful search for components, check the box to the left of each component to be deleted, and select **Delete**. The Confirmation pop-up is displayed ([Exhibit 16](#)).

Exhibit 16. Delete Component Confirmation



- If unsure about the deletion, select **Cancel**. Otherwise, select **OK**. A success message is displayed below the page title ([Exhibit 17](#)).

Exhibit 17. Delete Component Success Message



Add New Component

Components must be registered in the Component Registry to be associated with a piece of equipment. Use the following procedure to add a new component registration:

1. Log onto Umler as described in [Logging In](#). The Umler Home page is displayed ([Exhibit 8](#)).
2. Select **Component Registry > Registration**. The Search Component Registry tab page is displayed ([Exhibit 12](#)).
3. Select the **Add New** tab. The Add New Component to Registry page is displayed ([Exhibit 18](#)).

Exhibit 18. Add New Component to Registry

The screenshot shows the 'Add New Component to Registry' form. At the top, there are four tabs: 'Search', 'Add New' (which is active), 'Upload CSV', and 'Field Registration'. Below the tabs, the form is titled 'Add New Component to Registry'. It contains several input fields: a 'Company Code' dropdown menu with 'BRIC' selected, a 'Component ID Number' text input, and a 'Component Type' dropdown menu. The 'Component Type' dropdown is open, showing a list of options: 'BOLSTER', 'COUPLER', 'CUSHIONING UNIT', 'BRAKE VALVE CONTROL EMERGEN...', and 'PRESSURE RELIEF VALVE'. A blue '+ Add' button is located at the bottom right of the form.

4. The **Company Code** defaults to the user's company or select from the drop-down list if you are responsible for more than one.
5. Enter the **ID** number to be assigned to the component, up to 10-digits.
6. Select the **Component Type** from the drop-down.
7. Select + **Add**. The number is validated and the Base Elements section of the information is displayed. Sections vary by Component Type.
 - Select the element link next to the field name (e.g., C003) to view helpful information in a pop-up window that explains the element. Elements with a red dot (●) are mandatory. Data types include text, numeric, or timestamp/date. Close the window when finished.
 - Mandatory fields have an asterisk (*).
 - Use calendar icons to select dates.

- Use drop-down lists if provided.
 - Required formats are shown at the right of the field.
8. Complete the form with the appropriate information for the Component Type. Before continuing to the next step (Step 9), see the applicable component type section for details:
- [Add Bolsters](#)
 - [Add Couplers](#)
 - [Add Brake Valve Control Emergency](#)
 - [Add Brake Valve Control Service](#)
 - [Add Side Frames](#)
 - [Add Slack Adjusters](#)
 - [Add Wheelsets](#)
 - [Add Pressure Relief Valve](#)
 - [Add Cushioning Unit](#)
9. When all mandatory fields have been entered, select **Save**.
- a. If any entry errors have been made, a red error message is displayed next to the field in error ([Exhibit 19](#)).

Exhibit 19. Failed Add Component Transaction With Error Message

2. Axle

AAR Facility Code (C303):	TMMX - TRINITY NORTH AMERICA FREIGHT CAR, Mon... ▼	
* Manufacture Date (C304):	03/03/2013  (mm/dd/yyyy)	
* Manufacture Time (C304):	02:10 (hh:mm)	
* Nominal Diameter (C305):	6.0 - 6 inch Diameter ▼	
* Nominal Length (C306):	11.0 - 11 inch Length ▼	
* AAR Condition Code (C307):	▼	Invalid for Mandatory Elements
Serial Number And Heat ID (C308):	A1B2C3D001760	
* AAR Type (C309):	RWS - Raised Wheel Seat ▼	
* Grade (C310):	F - Grade F, Double Normalized and Tempered ▼	

- b. Once the input is valid, a green success message is displayed at the top of the page and the component is updated ([Exhibit 20](#)).

Exhibit 20. Add New Component to Registry Success Message

The screenshot shows a web interface with a top navigation bar containing four tabs: 'Search', 'Add New' (which is highlighted with a blue underline), 'Upload CSV', and 'Field Registration'. Below the tabs is a section titled 'Add New Component to Registry'. Inside this section, a green success message banner displays a green checkmark icon and the text 'Component added to the Component Registry', with a red 'x' icon in the top right corner. Below the banner is a form area. The first part of the form is labeled 'AAR Component ID:' and contains two fields: 'Company Code' with the value 'RAIL' and a dropdown arrow, and 'Component ID Number' with the value '0005897130' and a dotted line below it. Below this is a 'Component Type' field with the value 'BOLSTER' and a dropdown arrow. At the bottom right of the form area are two blue buttons: '+ Add New' and 'Edit' (with a pencil icon).

10. To add another component, select **+Add New**. To edit the current component again, select **Edit**. To edit a component type for a different component ID, see Search and Editing Components.

Add Bolsters

Exhibit 21. Add New Bolster

Search
Add New
Upload CSV
Field Registration

Add New Component to Registry

AAR Component ID:

Company Code
RAIL

Component ID Number
0000008511

Component Type
BOLSTER

Save
Cancel

Base Elements

Component Registration Date (C010):

* Bolster Condition Code (C414):

* Bolster AAR Foundry Facility Code (C401):

* Bolster Cast Month (C402):

* Bolster Cast Year (C417):

* AAR Design Feature Code (C403):

Bolster AAR ID Code (C404):

* MFG Pattern Number (C405):

MFG Drawing Number (C406):

MFG Drawing Number Revision (C407):

MFG Serial Number (C408):

MFG Heat Number (C409):

MFG Heat Treat Load Number (C410):

Bolster Reconditioner AAR Facility Code (C411):

Bolster Classification Date (C413):

* Wear Plate Installed by Foundry / Reconditioner (C415):

Converted Bolster (C416):

Increased Component Life (ICL) (C418):

Component Defect Flag (C007):

Save
Cancel

1. Enter all required fields marked with a red asterisk (*).
 - a. Select the trademark lookup icon (Q) to open the Trademark Select pop-up.

- b. Select a **Bolster AAR Foundry Facility Code** from the Trademarks listed. Scroll down to view all the available facilities. [Exhibit 22](#) shows the **ASFG** company radio button selected.

Exhibit 22. Trademark Select

Select	Trademark	Description
☐		ACCO - ALLIANCE CASTING COMPANY, Alliance OH
☐		AMCB - Amsted Maxion Foundry & Railway Equipment (no longer in production)
☐		AMFB - Amsted Maxion Fundicao E Equipamentos Ferroviarios S/A, Cruzeiro, Brazil
☐		AMOB - Amsted Maxion Fundicao E Equipamentos Ferroviarios, SA (no longer in production)
☐		ASFA - ASF Keystone - Alliance (no longer in production)
☒		ASFG - AMSTED RAIL COMPANY, Granite City, IL

- c. Select **Select** to close the pop-up and return to the Add page with the selected trademark.
- The **Component Defect Flag (C007)** is for Railinc Administrators only.
 - Return to Step [9](#) for Save instructions and troubleshooting.

Add Couplers

Exhibit 23. Add New Coupler

Add New Component to Registry

AAR Component ID:

Company Code
RAIL

Component ID Number
000008511

Component Type
COUPLER

Save Cancel

Base Elements

Component Registration Date (C010):

* Coupler Condition Code (C601):

Coupler AAR Code Number (C602):

* Coupler Catalog Number (C603):

* Coupler Cast Month (C604):

* Coupler Cast Year (C605):

Coupler Serial Number (C606):

Coupler Cavity Number (C607):

Coupler Conditional Approval (C608):

* Coupler AAR Facility Code (C609):

Coupler Heat Number (C610):

Coupler Heat Treat Load Number (C611):

Coupler Reconditioner AAR Facility Code (C612):

Coupler Classification Date (C613): (mm/dd/yyyy)

Reconditioner Heat Treat Load Number (C614):

"RG" Marking Applied (C615):

C to E Conversion Tag Applied or Present (C616):

Component Defect Flag (C007):

Save Cancel

1. Enter all required fields marked with a red asterisk (*).
 - a. Select the trademark lookup icon (🔍) to open the Trademark Select pop-up.
 - b. Select a **Coupler AAR Facility Code** from the Trademarks listed. See example in [Exhibit 22](#).
 - c. The **Component Defect Flag (C007)** is for Railinc Administrators only.
2. Return to Step [9](#) for Save instructions and troubleshooting.

Add Brake Valve Control Emergency

Exhibit 24. Add New Brake Valve Control Emergency

Add New Component to Registry

AAR Component ID:

Company Code
RAIL

Component ID Number
0000008511

Component Type
EMERVALVE

Save Cancel

Base Elements

Component Registration Date (C010):

* Condition Code (C701):

* AAR OEM/Recon Facility Code (C702):

* Date Tested (C703): (mm/dd/yyyy)

Serial Number (C704):

* Part Number (C705):

MFG Configuration Code (C706):

* Valve Type (C707):

Component Defect Flag (C007):

Save Cancel

1. Enter all required fields marked with a red asterisk (*).
2. Return to Step [9](#) for Save instructions and troubleshooting.

Add Brake Valve Control Service

Exhibit 25. Add New Brake Valve Control Service

Add New Component to Registry

AAR Component ID:

Company Code
RAIL

Component ID Number
0000008511

Component Type
SERVVALVE

Save Cancel

Base Elements

Component Registration Date (C010):

* Condition Code (C801):

* AAR OEM/Recon Facility Code (C802):

* Date Tested (C803): (mm/dd/yyyy)

Serial Number (C804):

* Part Number (C805):

MFG Configuration Code (C806):

* Valve Type (C807):

Component Defect Flag (C007):

Save Cancel

1. Enter all required fields marked with a red asterisk (*).
2. Return to Step [9](#) for Save instructions and troubleshooting.

Add Side Frames

Exhibit 26. Add New Side Frame

Add New Component to Registry

AAR Component ID:

Company Code
RAIL

Component ID Number
0000008511

Component Type
SIDEFRAME

Save Cancel

Base Elements

Component Registration Date (C010):

* Side Frame Condition Code (C514):

* Side Frame AAR Foundry Facility Code (C501):

* Side Frame Cast Month (C502):

* Side Frame Cast Year (C518):

* AAR Design Feature Code (C503):

Side Frame AAR ID Code (C504):

* MFG Pattern Number (C505):

MFG Drawing Number (C506):

MFG Drawing Number Revision (C507):

MFG Serial Number (C508):

MFG Heat Number (C509):

MFG Heat Treat Load Number (C510):

Side Frame Reconditioner AAR Facility Code (C511):

Side Frame Classification / Recondition Date (C513): (mm/dd/yyyy)

* Column Wear Plate Installed (C515):

* Nominal Wheel Base (C516):

* Button Count (C517):

Increased Component Life (ICL) (C519):

Component Defect Flag (C007):

Save Cancel

1. Enter all required fields marked with a red asterisk (*).
 - a. Use the trademark lookup icon (Q) to open the Trademark Select pop-up.
 - b. Select the **Side Frame AAR Foundry Facility Code** from the Trademarks listed. See example in [Exhibit 22](#).
 - c. The **Component Defect Flag (C007)** is for Railinc Administrators only.
2. Return to Step [9](#) for Save instructions and troubleshooting.

Add Slack Adjusters

Exhibit 27. Add New Slack Adjusters

Add New Component to Registry

AAR Component ID:

Company Code
8RIC

Component ID Number
000008511

Component Type
SLAKADJUST

Save Cancel

Base Elements

Component Registration Date (C010):

* Slack Adjuster Condition Code (C901):

* AAR OEM/Recon Facility Code (C902):

Slack Adjuster Stamped Year (C903):

Slack Adjuster Stamped Month (C904):

Slack Adjuster Recondition Date (C905): (mm/dd/yyyy)

Slack Adjuster AAR Group (C906):

* OEM Model Number (C907):

* Slack Adjuster Manufacturer (C908):

* Serial Number (C909):

MFG Configuration Code (C910):

Component Defect Flag (C007):

Save Cancel

1. Enter all required fields marked with a red asterisk (*).
2. Return to Step [9](#) for Save instructions and troubleshooting.

Add Wheelsets

Exhibit 28. Add New Wheelset - 1. Base Elements

Add New Component to Registry

AAR Component ID:

Company Code
RAIL

Component ID Number
8511

Component Type
WHEELSET

Save

Cancel

Sub Component ID

	Sub Component Company Code	Sub Component ID Number
Axle:		
Wheel 1:		
Roller Bearing 1:		
Wheel 2:		
Roller Bearing 2:		

1. Base Elements

* Component AAR Facility Code (C003):

* Component Assembly Date (C004):

* Component Assembly Time (C004):

Component Defect Flag (C007):

Component Registration Date (C010):

Purchased Core Turned (C011):

Wheelset New or Turned (C012):

1. The Sub Component ID section is optional.
2. Enter all required fields marked with a red asterisk (*) for this component. Complete Section 1. Base Elements and scroll to the Section 2. Axle.

Umler Component Tracking User Guide

27

Revised March 2026

Exhibit 29. Add New Wheelset - 2. Axle

2. Axle

AAR Facility Code (C303):

* Manufacture Date (C304):

(mm/dd/yyyy)

* Manufacture Time (C304):

(hh:mm)

* Nominal Diameter (C305):

* Nominal Length (C306):

* AAR Condition Code (C307):

Serial Number And Heat ID (C308):

* AAR Type (C309):

* Grade (C310):

* Body Design (C313):

Int Extended Axle Codes (C316):

Axle Dust Guard Size (C317):

Extended Seal Wear Ring (C318):

3. Complete Section 2. Axle and scroll to the Section 3.

Exhibit 30. Add New Wheelset - 3.1 Wheel 1

3. Wheel Group 1

3.1 Wheel 1

AAR Facility Code (C103):

Manufactured Date (C104):

(mm/dd/yyyy)

Manufactured Time (C104):

(hh:mm)

* Stamped Year (C105):

* Stamped Month (C106):

* Stamped Manufacturer Code (C107):

* Stamped Class (C108):

* Rim Thickness Side Scale Reading (C109):

* Finger Gauge Reading (C110):

* Stamped Serial Number (C111):

Heat/Melt (C112):

* Nominal Diameter (C113):

* Design Code (C114):

* Plate Type (C115):

Tape Size (C116):

* New Turned (C117):

Rim Type (C118):

AAR Contour for Freight Car Wheels (C119):

4. Complete Section 3.1 and scroll to Section 3.2.

Exhibit 31. Add New Component - 3.2 Roller Bearing 1

3.2 Roller Bearing 1

* OEM Reconditioner Facility Code (C203): _____

* Manufacture Date (C204): _____ (mm/dd/yyyy)

* Manufacture Time (C204): _____ (hh:mm)

Cup Serial Number (C205): _____

Cup Stamped Year (C206): _____

Cup Stamped Month (C207): _____

* Nominal Diameter (C208): _____

* Nominal Length (C209): _____

* Certificate Number (C210): _____

* New or Reconditioned (C211): _____

AAR Extended Bearing Code (C212): _____

* Seal Type (C213): _____

* Grease Type (C214): _____

* Cage Type (C215): _____

* Backing Ring Type (C216): _____

Bearing Locking Plate Type (C217): _____

Bearing Seal Wear Ring Type (C218): _____

5. Complete Section 3.2 and scroll to Section 4.

Exhibit 32. Add New Wheelset - 4.1 Wheel 2

4. Wheel Group 2

4.1 Wheel 2

☐ Wheel 2 same as Wheel 1

AAR Facility Code (C103):

Manufactured Date (C104): (mm/dd/yyyy)

Manufactured Time (C104): (hh:mm)

* Stamped Year (C105):

* Stamped Month (C106):

* Stamped Manufacturer Code (C107):

* Stamped Class (C108):

* Rim Thickness Side Scale Reading (C109):

* Finger Gauge Reading (C110):

* Stamped Serial Number (C111):

Heat/Melt (C112):

* Nominal Diameter (C113):

* Design Code (C114):

* Plate Type (C115):

Tape Size (C116):

* New Turned (C117):

Rim Type (C118):

* AAR Contour for Freight Car Wheels (C119):

6. When Wheel 2 is the same as Wheel 1, check the box for **Wheel 2 same as Wheel 1** to automatically fill the fields. Complete Section 4.1 and scroll to the next section.

Exhibit 33. Add New Wheelset - 4.2 Roller Bearing 2

4.2 Roller Bearing 2

☐ Bearing 2 same as Bearing 1

* OEM Reconditioner Facility Code (C203): _____

* Manufacture Date (C204): _____ (mm/dd/yyyy)

* Manufacture Time (C204): _____ (hh:mm)

Cup Serial Number (C205): _____

Cup Stamped Year (C206): _____

Cup Stamped Month (C207): _____

* Nominal Diameter (C208): _____

* Nominal Length (C209): _____

* Certificate Number (C210): _____

* New or Reconditioned (C211): _____

AAR Extended Bearing Code (C212): _____

* Seal Type (C213): _____

* Grease Type (C214): _____

* Cage Type (C215): _____

* Backing Ring Type (C216): _____

Bearing Locking Plate Type (C217): _____

Bearing Seal Wear Ring Type (C218): _____

Save Cancel

7. When Bearing 2 is the same as Bearing 1, check the box for **Bearing 2 same as Bearing 1** to automatically fill the fields.
8. Return to Step [9](#) for Save instructions and troubleshooting.

Add Pressure Relief Valve

Exhibit 34. Add New Pressure Relief Valve

Add New Component to Registry

AAR Component ID:

Company Code
RAIL

Component ID Number
1421525245

Component Type
PRVALVE

Save Cancel

Base Elements

Component Registration Date (C010):

* Device Condition Code (D101):

* AAR Tank Car Facility Code (D102):

* Device Original Manufacturer (MFG)/Assembler
Facility Code (D103):

* Device Model Number (D104):

Manufacturer/Assembly Part Number (Original) (D105):

* Body Material (D106):

Device Serial Number (D107):

Device Built Month (D108):

Device Built Year (D109):

* Device Set Pressure (Design Nominal) (D110):

* AAR Approval Number (D111):

AAR Service Trial Number (D112):

* Device Qualification Date (As Tested) (D113): (mm/dd/yyyy)

* Device Start-to-Discharge Pressure (As Tested) (D114):

* Device PRV Vapor Tight Pressure (As Tested) (D115):

* O-Ring/Seal Material Applied (As Tested) (D116):

AAR Group (D117):

* Certifier ID (D118):

Component Defect Flag (C007):

Save Cancel

1. Enter all required fields marked with a red asterisk (*).
2. Return to Step 9 for Save instructions and troubleshooting.

Add Cushioning Unit

Exhibit 35. Add New Cushioning Unit

Add New Component to Registry

AAR Component ID:

Company Code
RAIL

Component ID Number
0000008511

Component Type
CUSHUNIT

Save Cancel

Base Elements

Component Registration Date (C010):

* Condition Code (D201):

* AAR OEM/Recon Facility Code (D202):

Manufacture Year (D203):

Manufacture Month (D204):

Reconditioned Date (D205):

* Manufacturer (D206):

* Serial Number (D207):

* OEM Model Number (D208):

* AAR Specification (D209):

* Travel Length (D210):

Component Defect Flag (C007):

Save Cancel

1. Enter all required fields marked with a red asterisk (*).
2. Return to Step 9 for Save instructions and troubleshooting.

Upload Components CSV

Uploads can be used to quickly submit multiple components that are similar (e.g., 100 wheelsets with no differences except serial numbers and component IDs), to correct fields throughout entire sets of components, or to delete large numbers of incorrectly or prematurely registered components. Users can upload component information from proprietary systems in an acceptable CSV format. Use the following procedure to upload a component CSV file:

1. Log onto Umler as described in [Logging In](#). The Umler Home page is displayed ([Exhibit 8](#)).
2. Select **Component Registry > Registration**. The Search Component Registry tab page is displayed ([Exhibit 12](#)).
3. Select the **Upload CSV** tab. **Browse files to find a components CSV** is displayed ([Exhibit 36](#)).

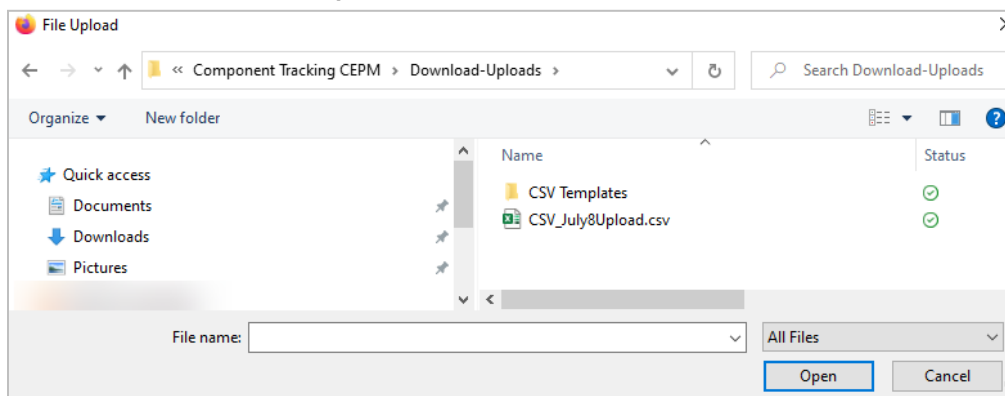
Exhibit 36. Browse Files to Find a Components CSV

To prepare your files for upload, you can use formatted templates available on Railinc's [Component Tracking page](#). Select the **Retrieve csv format templates** link in the application and select the [CSV Templates zip file](#) in the **Related Documents** section to open or save the templates ([Exhibit 40](#)). For more information on preparing your files, see [CSV Registration Upload File Preparation](#).

When your CSV file is properly prepared, upload the file.

4. Select the **Browse** button to locate a file on your computer upload ([Exhibit 37](#)).

Exhibit 37. Choose File For Upload



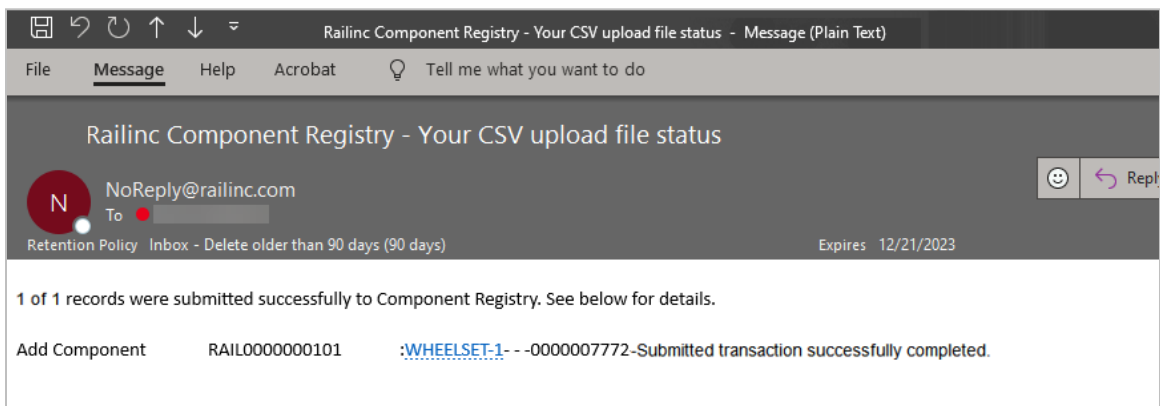
5. Select the file and select **Open**. **Browse Files to Find a Components CSV** is redisplayed with the selected file.
6. Select **Submit**. A message is displayed ([Exhibit 38](#)). If the upload is successful, you'll receive a green message at the top letting you know if your file has been successfully submitted.

Exhibit 38. Successful Components Upload

The screenshot shows the 'Upload CSV' tab in a web application. At the top, there are tabs for 'Search', 'Add New', 'Upload CSV' (which is active), and 'Field Registration'. Below the tabs, there's a section titled 'Browse files to find a components CSV'. A green message box with a checkmark icon states: 'The CSV file was successfully submitted for processing. You will receive a status on the submission, once processing is complete. The message will be sent to your registered email address.' Below this message, there's a 'Filename.csv:' label, a 'Browse...' button, and the text 'No file selected.' To the right of this is a link 'Retrieve csv format templates'. At the bottom right, there is a blue 'Submit' button with an envelope icon.

7. Check your email for a notification from the system with the status of the records you submitted ([Exhibit 39](#)).

Exhibit 39. Email With Upload Submission Status



If errors occurred in processing the file, those errors are identified by Component ID and field-by-field. These details can assist in correcting the upload file before uploading and submitting again.

8. Optionally, if the transactions for your uploaded records were successfully completed, check Component Tracking to verify a few records in the upload have been appropriately changed (e.g., deleted components are *not* found, new components are found, fields changed reflect those changes, etc.). Use the Component Registration Search function as described in [Search](#).

CSV Registration Upload File Preparation

Exhibit 40. Registration CSV Upload Template in Excel

	A	B	C	D	E	F	G	H	I	J	K
1	TransactionType	ComponentID	ComponentType	BASE-C003	BASE-C004	BASE-C011	AXLE:1-C303	AXLE:1-C304	AXLE:1-C305	AXLE:1-C3	AXLE:1-C3
2	AC	RAIL0000000101	WHEELSET	AADC	20220607 08:00	N	ABG	20220215 08:00	6.5	12	
3	CC	RAIL0000000102	WHEELSET	BNN	20220607 08:00	N	CNW	20220215 08:00	6.5	12	
4	DC	RAIL0000000103	WHEELSET	CNW	20220607 08:00	Y	GUNW	20220215 08:00	6.5	12	
5											

The fields are as described in the online Element Help links and in the [Umler Component Tracking Data Specifications Manual](#) available on the [Umler product page](#).

The Transaction Type indicates the action the user wants for each record (row) of information entered:

For component registrations:

- **AC** = Add Component
- **CC** = Change Component
- **DC** = Delete Component

- Notes:**
- Your uploaded file can contain all three types of transactions.
 - Large text entries should not contain commas (which are interpreted as field delimiters). Use dashes or other keyable characters.
 - Changes require a Component ID and only those fields with changes (other fields are left untouched).
 - Deletions require a Component ID only.
 - Adds must contain all mandatory fields.
 - For more information, see [Umler Bulk Upload Transactions CSV File Specifications](#). Also available on the [Umler product page](#).

Field Registration

Note: Users adding field registrations are expected to be familiar with the Job Codes, Condition Codes, and Qualifiers as found in the AAR Field Manual Rules 36, 41, 43, and 44. Component Tracking validates Job Codes and its related qualifiers and Condition Codes. Use the [Component Tracking Data Specifications Manual](#) as needed.

Inventoried components (manufactured pre-Component Tracking without barcodes) can be registered with other characteristics using the Field Registration function.

Exhibit 41. Field Registration Select a Component Type

The screenshot shows the 'Field Registration' tab selected. Below the navigation bar, there is a section titled 'Select a component type'. A dropdown menu for 'Component Type *' is open, displaying a list of component types: BOLSTER, COUPLER, CUSHIONING UNIT, BRAKE VALVE CONTROL EMERGENCY, PRESSURE RELIEF VALVE, BRAKE VALVE CONTROL SERVICE, SIDE FRAME, SLACK ADJUSTER, and WHEELSET. A search button with a magnifying glass icon and the text 'Search' is located to the right of the dropdown list.

Select the **Component Type** from the drop-down and select **Submit**. Select the appropriate component below to field registration instructions:

- [Bolsters](#)
- [Couplers](#)
- [Brake Valve Control Emergency](#)
- [Brake Valve Control Service](#)
- [Sideframe](#)
- [Slack Adjuster](#)
- [Wheelsets](#)
- [Cushioning Units](#)

Bolsters

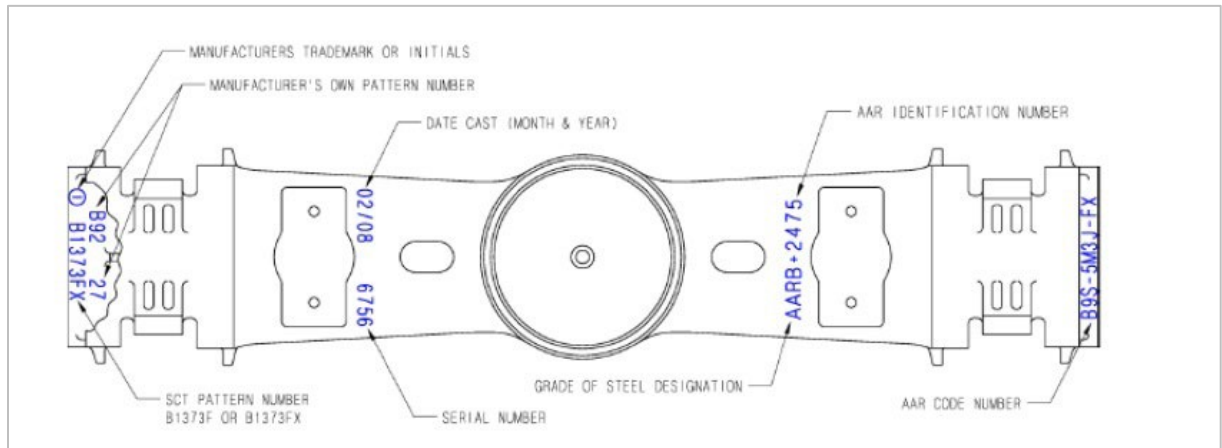
1. The Search if Bolster is Registered page displays.

Exhibit 42. Search if Bolster is Registered

Search	Add New	Upload CSV	Field Registration
Search if Bolster is Registered			
Note: Enter the AAR Foundry Facility Code, Cast Month/Year, and Serial Number			
View Component Diagram			
AAR Foundry Facility Code * (C401):		Example: PVLN	
Cast Month/Year * (C402, C417):		Example: MM-YY, MMY, or MM/YY	
MFG Pattern Number (C405):		Example: B-10321-A	
Serial Number * (C408):			
		Search Register Cancel	

[Exhibit 43](#) shows where to find marks and information on the bolster.

Exhibit 43. Bolster Reference Diagram



2. Enter the Enter the **AAR Foundry Facility Code**, **Cast Month/Year**, and **Serial Number**.
3. Select **Search**.
 - a. If a matching component is found ([Exhibit 44](#)), no field registration is necessary and the bolster can be associated with the Equipment ID as described in [Bolster Association](#).

Exhibit 44. Field Registration Search Showing Component Found

Search Add New Upload CSV Field Registration

Search if Bolster is Registered

Note: Enter the AAR Foundry Facility Code, Cast Month/Year, and Serial Number [View Component Diagram](#)

AAR Foundry Facility Code * (C401): ASFG

Cast Month/Year * (C402, C417): 0412

MFG Pattern Number (C405): Example: B-10321-A

Serial Number * (C408): 5678910291

[Search](#) [+ Register](#) [x Cancel](#)

Component ID	Manufacture	Cast Month/Year	AAR Design Feature Code	MFG Pattern Number	Serial Number	Component Registration Date
RAIL1234546787	ASFG	4/12	B23920294	B103382002	5678910291	12/02/2025 20:34

- b. If no matching component is found ([Exhibit 45](#)), select **Register**. The Field Registration Elements tab is displayed ([Exhibit 46](#)).

Exhibit 45. Field Registration Search With Component Not Found

Search Add New Upload CSV Field Registration

Search if Bolster is Registered

 Your search parameters did not match a component currently registered in the Umler Component Registry. Please click Register to complete a Field Registration. x

Note: Enter the AAR Foundry Facility Code, Cast Month/Year, and Serial Number [View Component Diagram](#)

AAR Foundry Facility Code * (C401): ASFG

Cast Month/Year * (C402, C417): 0412

MFG Pattern Number (C405): B-10321-A

Serial Number * (C408): 123456789

[Search](#) [+ Register](#) [x Cancel](#)

Exhibit 46. Bolster Field Registration Elements

Search

Add New

Upload CSV

Field Registration

Please fill in the following information to complete a field registration.

Field Registration Elements

Component Registration Date (C010):

Bolster Condition Code (C414):

* Bolster AAR Foundry Facility Code (C401):

ASFG - AMSTED RAIL COMPANY, Granite City, IL

* Bolster Cast Month (C402):

04

* Bolster Cast Year (C417):

12

* AAR Design Feature Code (C403):

Bolster AAR ID Code (C404):

* MFG Pattern Number (C405):

123456780000

MFG Serial Number (C408):

B35520000A

* Wear Plate Installed by Foundry / Reconditioner (C415):

Y - Yes

Increased Component Life (ICL) (C418):

Save

Cancel

4. Once all mandatory fields marked with a red asterisk (*) are entered, select **Save**.
 - a. When validation fails, an error message is shown beside the invalid entry ([Exhibit 47](#)).

Exhibit 47. Bolster Field Registration With Error

Search Add New Upload CSV **Field Registration**

Please fill in the following information to complete a field registration.

 Transaction failed due to validation errors, see below for details.

Field Registration Elements

Component Registration Date (C010):

Bolster Condition Code (C414):

* Bolster AAR Foundry Facility Code (C401): ASFG - AMSTED RAIL COMPANY, Granite City, IL 

* Bolster Cast Month (C402): 04

* Bolster Cast Year (C417): 12

* AAR Design Feature Code (C403): AAR Design Feature Code must begin with B, Invalid for Mandatory Elements

Bolster AAR ID Code (C404):

* MFG Pattern Number (C405): 123456780000

MFG Serial Number (C408): B35520000A

* Wear Plate Installed by Foundry / Reconditioner (C415): Y - Yes

Increased Component Life (ICL) (C418):

 Save  Cancel

In [Exhibit 47](#), a mandatory field was not completed.

- b. When validation is successful, Component Tracking generates a unique bolster component ID ([Exhibit 48](#)).

Exhibit 48. Successful Bolster Field Registration

The screenshot shows the 'Field Registration' tab in a software interface. At the top, there are tabs for 'Search', 'Add New', 'Upload CSV', and 'Field Registration'. Below the tabs, a green success message states: 'Component added to the Component Registry 8RIC0003491764'. To the right of this message are '+ Add New' and 'Edit' buttons. Below the message is a section titled 'Field Registration Elements' containing the following fields:

- Component Registration Date (C010):
- Bolster Condition Code (C414):
- * Bolster AAR Foundry Facility Code (C401): ASFG - AMSTED RAIL COMPANY, Granite City, IL
- * Bolster Cast Month (C402): 04
- * Bolster Cast Year (C417): 12
- * AAR Design Feature Code (C403): BOL-000-0001
- Bolster AAR ID Code (C404):
- * MFG Pattern Number (C405): 1234567B0000
- MFG Serial Number (C408): B35520000A
- * Wear Plate Installed by Foundry / Reconditioner (C415): Y - Yes
- Increased Component Life (ICL) (C418):

At the bottom of the form, there is an 'Equipment ID' field and an 'Associate' button.

- c. In [Exhibit 48](#), the new component ID is provided in the success message at the top. The bolster can now be associated with an Equipment ID as described in [Bolster Association](#).
5. To edit the current registration, select **Edit**.
6. To add another bolster registration, select **Add New**. The Search if Bolster is Registered page is displayed ([Exhibit 42](#)).

Couplers

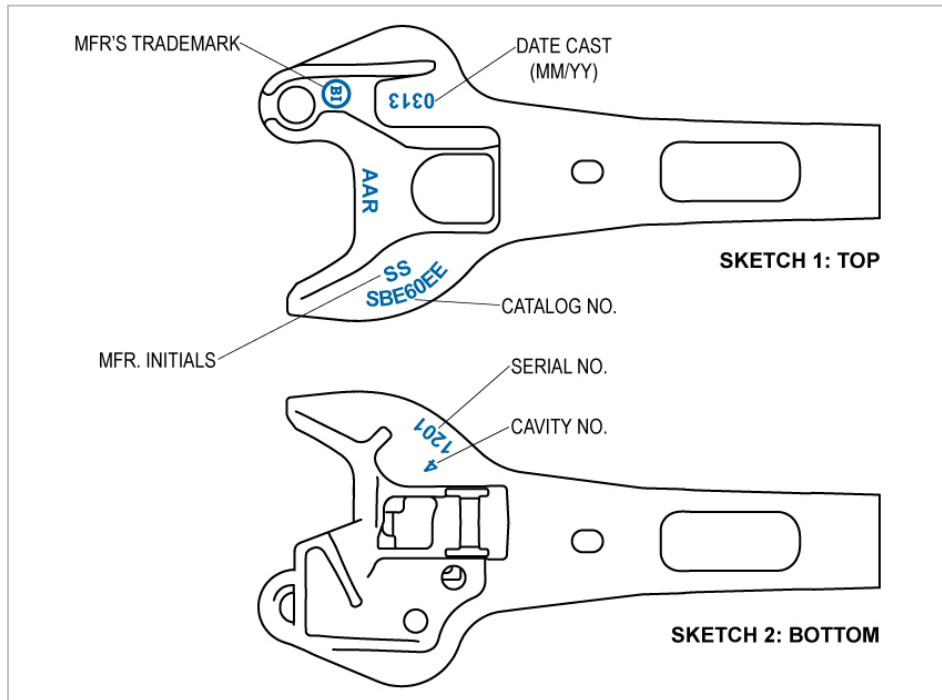
1. The Coupler Serial Number bypass page displays.

Exhibit 49. Coupler Serial Number Bypass

2. Select **Yes** if serial number is present and legible, or **No** if it is not.
 - If **Yes**, the Search if Coupler is Registered page displays ([Exhibit 50](#)).
 - If **No**, the Coupler Field Registration page displays ().

Exhibit 50. Search if Coupler is Registered

[Exhibit 51](#) shows where needed information can be found on the coupler.

Exhibit 51. Coupler Reference Diagram

3. Enter the **Cast Month/Year**, **Catalog Number** and **Serial Number**.
4. Select **Search**.
 - a. If a matching component is found (similar to [Exhibit 44](#)), no field registration is necessary and the coupler can be associated with the Equipment ID as described in [Coupler Association](#).
 - b. If no matching component is found (similar to [Exhibit 45](#)), select **Register**. The Field Registration Elements page is displayed ([Exhibit 52](#)).

Exhibit 52. Coupler Field Registration Elements

Search Add New Upload CSV Field Registration

Please fill in the following information to complete a field registration.

Field Registration Elements [View Component Diagram](#)

Component Registration Date (C010): _____

Coupler Condition Code (C601): _____

* Coupler Catalog Number (C603): ASFGCOUPD

* Coupler Cast Month (C604): 12

* Coupler Cast Year (C605): 20

* Coupler Serial Number (C606): CP00AABB

Note: If Coupler Serial Number is unavailable enter X
Example: 1, 2, A, or B

Coupler Cavity Number (C607): _____

Coupler Conditional Approval (C608): _____

* Coupler AAR Facility Code (C609): ASFG - AMSTED RAIL COMPANY, Granite City, IL

Coupler Classification Date (C613): _____ (mm/dd/yyyy)

"RG" Marking Applied (C615): _____

C to E Conversion Tag Applied or Present (C616): _____

Save Cancel

5. Once all mandatory fields marked with a red asterisk (*) are entered, select **Save**.
 - a. When validation fails, an error message is shown beside the invalid entry (similar to [Exhibit 47](#)).
 - b. When validation is successful, Component Tracking generates a unique coupler component ID ([Exhibit 53](#)).

Exhibit 53. Successful Coupler Field Registration

The screenshot shows the 'Field Registration' tab in a software interface. At the top, there are tabs for 'Search', 'Add New', 'Upload CSV', and 'Field Registration'. Below the tabs, a message states: 'Please fill in the following information to complete a field registration.' A green success message box at the top reads: 'Component added to the Component Registry 8RIC0003577957'. To the right of this message are two buttons: '+ Add New' and 'Edit'. Below the message is a section titled 'Field Registration Elements'. This section contains the following fields and values:

- Component Registration Date (C010):
- Coupler Condition Code (C601):
- * Coupler Catalog Number (C603): ASFGCOUPD
- * Coupler Cast Month (C604): 12
- * Coupler Cast Year (C605): 20
- * Coupler Serial Number (C606): CP00AABB
- Note: If Coupler Serial Number is unavailable enter X
- Coupler Cavity Number (C607): Example: 1, 2, A, or B
- Coupler Conditional Approval (C608):
- * Coupler AAR Facility Code (C609): ASFG - AMSTED RAIL COMPANY, Grani... (with a search icon)
- Coupler Classification Date (C613): (mm/dd/yyyy)
- "RG" Marking Applied (C615):
- C to E Conversion Tag Applied or Present (C616): Y - Yes

At the bottom of the form, there is an 'Equipment ID' field and an 'Associate' button.

- c. In [Exhibit 53](#), the new component ID is provided in the success message at the top. The coupler can now be associated with an Equipment ID as described in [Coupler Association](#).
6. To edit the current registration, select **Edit**.
7. To add another coupler registration, select **Add New**. The Search if Coupler is Registered page is displayed ([Exhibit 50](#)).

Brake Valve Control Emergency

1. Complete all required elements for Brake Valve Control Emergency.

Exhibit 54. Brake Valve Control Emergency Elements

SearchAdd NewUpload CSVField Registration

Please fill in the following information to complete a field registration.

Field Registration Elements

Component Registration Date (C010):

* Condition Code (C701):

* AAR OEM/Recon Facility Code (C702):

* Date Tested (C703):

(mm/dd/yyyy)

Serial Number (C704):

Example: M44130069

* Part Number (C705):

Example: 661520

MFG Configuration Code (C706):

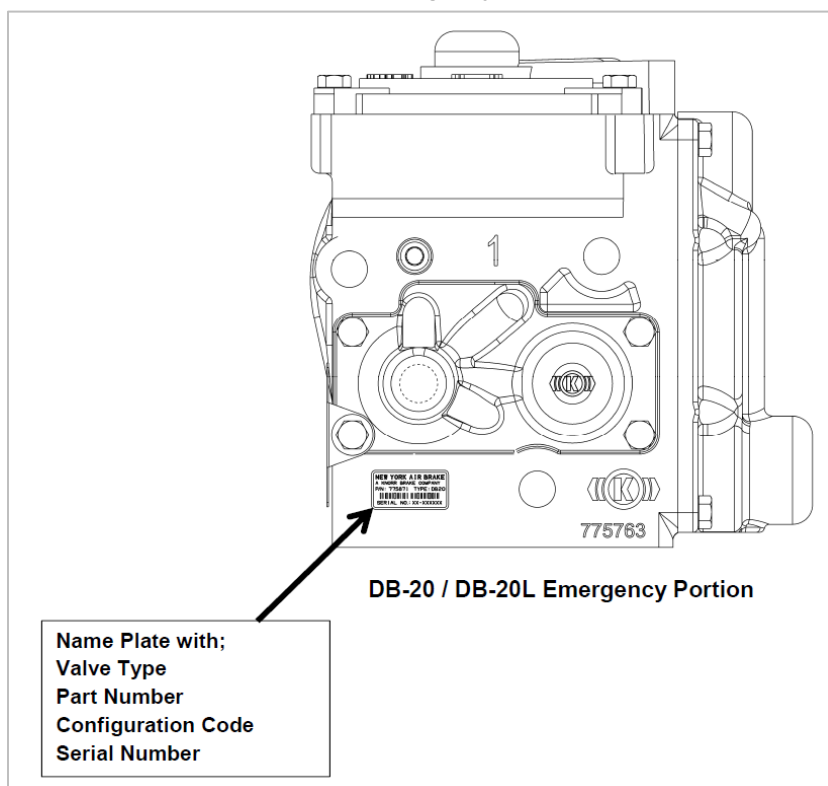
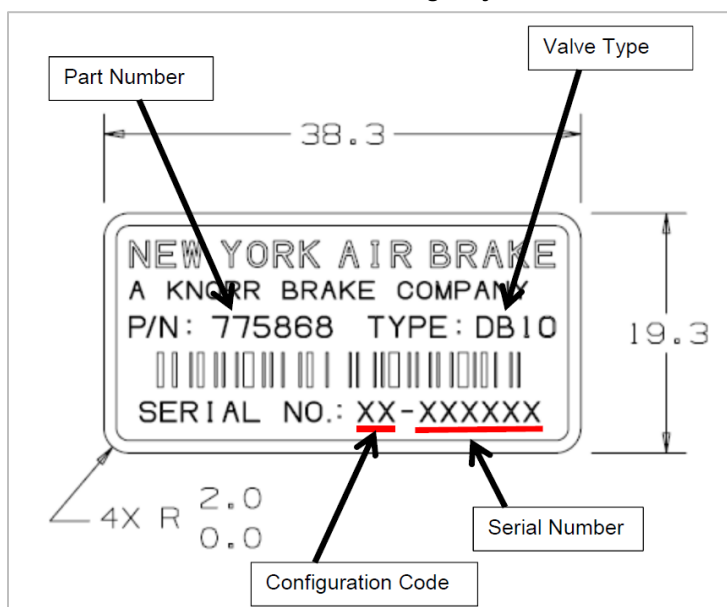
Example: 008

* Valve Type (C707):

Save

Cancel

[Exhibit 55](#) shows where the name plate is located and [Exhibit 56](#) shows where the needed information can be found on the name plate.

Exhibit 55. Brake Valve Control Emergency Name Plate Location**Exhibit 56. Brake Valve Control Emergency and Service Name Plates**

2. Once all mandatory fields marked with a red asterisk (*) are entered, select **Save**.
 - When validation fails, an error message is shown beside the invalid entry (similar to Exhibit 47).

- When validation is successful, Component Tracking generates a unique brake valve control emergency component ID provided in the success message at the top ([Exhibit 57](#)). The brake valve control emergency can now be associated with an Equipment ID as described in [Brake Value Control Emergency Association](#).

Exhibit 57. Successful Brake Valve Control Emergency Control Elements

Search Add New Upload CSV Field Registration

Please fill in the following information to complete a field registration.

✓ Component added to the Component Registry 8RIC0003491768 ✕

+ Add New Edit

Field Registration Elements

Component Registration Date (C010):

* Condition Code (C701): 1 - New

* AAR OEM/Recon Facility Code (C702): GMWS - GRAHAM-WHITE MANUFACTURING CO...

* Date Tested (C703): 01/14/2015 (mm/dd/yyyy)

Serial Number (C704):

* Part Number (C705): 54

MFG Configuration Code (C706):

* Valve Type (C707): ABDS - ABDS-Emergency

Equipment ID Associate

- To edit the current registration, select **Edit**.
- To add another brake valve control emergency registration, select **Add New**.

Brake Valve Control Service

1. Complete all required elements for Brake Valve Control Service.

Exhibit 58. Brake Valve Control Service Elements

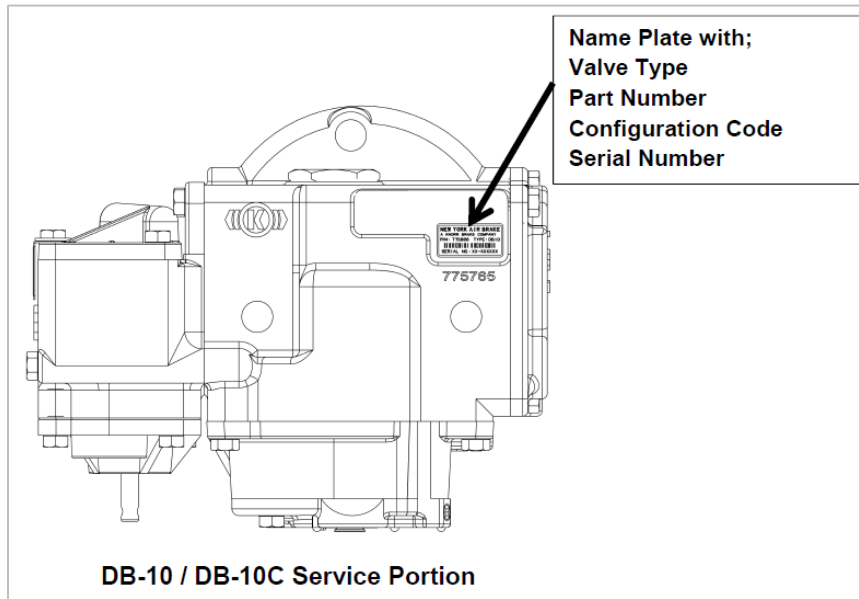
The screenshot shows a web application interface for field registration. At the top, there are four tabs: 'Search', 'Add New', 'Upload CSV', and 'Field Registration', with 'Field Registration' being the active tab. Below the tabs, a message states: 'Please fill in the following information to complete a field registration.' The main content area is titled 'Field Registration Elements' and contains several input fields with labels and examples:

- Component Registration Date (C010):** A text input field with a dotted line indicating a date format.
- * Condition Code (C801):** A dropdown menu.
- * AAR OEM/Recon Facility Code (C802):** A dropdown menu.
- * Date Tested (C803):** A date input field with a calendar icon and the format '(mm/dd/yyyy)'.
- Serial Number (C804):** A text input field with the example 'M44130069'.
- * Part Number (C805):** A text input field with the example '661520'.
- MFG Configuration Code (C806):** A text input field with the example '008'.
- * Valve Type (C807):** A dropdown menu.

At the bottom right of the form, there are two buttons: 'Save' and 'Cancel'.

[Exhibit 59](#) shows where the name plate is located and [Exhibit 56](#) shows where the needed information can be found on the name plate.

Exhibit 59. Brake Valve Control Service Name Plate Location



2. Once all mandatory fields marked with a red asterisk (*) are entered, select **Save**.
 - If validation fails, an error message is shown beside the invalid entry (similar to [Exhibit 47](#)).
 - If validation is successful, Component Tracking generates a unique brake valve control service component ID provided in the success message at the top ([Exhibit 60](#)). The brake valve control service can now be associated with an Equipment ID as described in [Brake Value Control Service Association](#).

Exhibit 60. Successful Brake Valve Control Service Field Registration

Search Add New Upload CSV **Field Registration**

Please fill in the following information to complete a field registration.

 Component added to the Component Registry 8RIC0003491769 

[+ Add New](#) [Edit](#)

Field Registration Elements

Component Registration Date (C010):

* Condition Code (C801): 3 - Reconditioned ▼

* AAR OEM/Recon Facility Code (C802): EN - ELLCON NATIONAL, Greenville, SC U.S.A. ▼

* Date Tested (C803): 01/22/2015  (mm/dd/yyyy)

Serial Number (C804):

* Part Number (C805): 3

MFG Configuration Code (C806):

* Valve Type (C807): ABD - ABD-Service ▼

Equipment ID [Associate](#)

3. To edit the current registration, select **Edit**.
4. To add another brake valve control service registration, select **Add New**.

Slack Adjuster

1. Complete all required elements for the Slack Adjuster.

Exhibit 61. Slack Adjuster Elements

The screenshot shows a web application interface for field registration. At the top, there are four tabs: 'Search', 'Add New', 'Upload CSV', and 'Field Registration', with 'Field Registration' being the active tab. Below the tabs, a message states: 'Please fill in the following information to complete a field registration.' The main content area is titled 'Field Registration Elements' and contains a list of input fields. The fields are: 'Component Registration Date (C010):' followed by a dotted line; '* Slack Adjuster Condition Code (C901):' followed by a dropdown arrow; 'AAR OEM/Recon Facility Code (C902):' followed by a dropdown arrow; 'Slack Adjuster Stamped Year (C903):' followed by a text input field; 'Slack Adjuster Stamped Month (C904):' followed by a text input field; 'Slack Adjuster Recondition Date (C905):' followed by a date picker icon and the text '(mm/dd/yyyy)'; 'Slack Adjuster AAR Group (C906):' followed by a dropdown arrow; '* OEM Model Number (C907):' followed by a dropdown arrow; '* Slack Adjuster Manufacturer (C908):' followed by a dropdown arrow; 'Serial Number (C909):' followed by a text input field; and 'MFG Configuration Code (C910):' followed by a text input field with the example 'A0'. At the bottom right of the form, there are two buttons: 'Save' and 'Cancel'.

Search Add New Upload CSV Field Registration

Please fill in the following information to complete a field registration.

Field Registration Elements [View Component Diagram](#)

Component Registration Date (C010):

* Slack Adjuster Condition Code (C901):

AAR OEM/Recon Facility Code (C902):

Slack Adjuster Stamped Year (C903):

Slack Adjuster Stamped Month (C904):

Slack Adjuster Recondition Date (C905): (mm/dd/yyyy)

Slack Adjuster AAR Group (C906):

* OEM Model Number (C907):

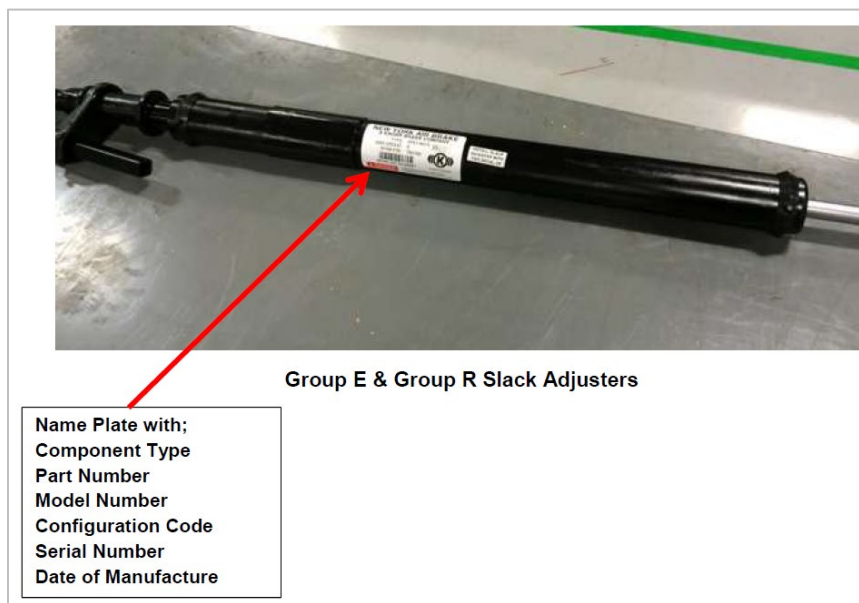
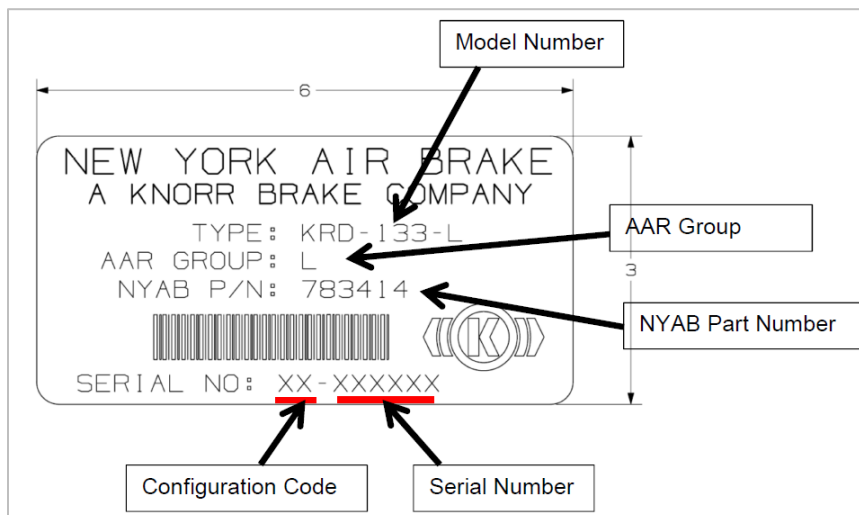
* Slack Adjuster Manufacturer (C908):

Serial Number (C909):

MFG Configuration Code (C910): Example: A0

Save Cancel

[Exhibit 62](#) shows where the name plate is located and [Exhibit 63](#) shows where the needed information can be found on the name plate.

Exhibit 62. Slack Adjuster Name Plate Location**Exhibit 63. Slack Adjuster Name Plate**

2. Once all mandatory fields are entered, select **Save**.

- If validation fails, an error message is shown beside the invalid entry (see example in [Exhibit 47](#)).
- If validation is successful, Component Tracking generates a unique slack adjuster component ID provided in the success message at the top ([Exhibit 64](#)). The slack adjuster can now be associated with an Equipment ID as described in [Slack Adjuster Association](#).

Exhibit 64. Successful Slack Adjuster Field Registration

Search Add New Upload CSV **Field Registration**

Please fill in the following information to complete a field registration.

✓ Component added to the Component Registry 8RIC0003491770 ✕

+ Add New
✎ Edit

Field Registration Elements

Component Registration Date (C010):

* Slack Adjuster Condition Code (C901): 1 - New

AAR OEM/Recon Facility Code (C902): CWE - CARDWELL WESTINGHOUSE COMPANY, ...

Slack Adjuster Stamped Year (C903): 20

Slack Adjuster Stamped Month (C904): 04

Slack Adjuster Recondition Date (C905): (mm/dd /yyyy)

Slack Adjuster AAR Group (C906): E - Group E

* OEM Model Number (C907): KRD-133L - KRD-133L

* Slack Adjuster Manufacturer (C908): NY - New York Air Brake Co

Serial Number (C909):

MFG Configuration Code (C910):

Equipment ID ☑ Associate

3. To edit the current registration, select **Edit**.
4. To add another slack adjuster registration, select **Add New**.

Sideframe

1. The Search if Sideframe is Registered page displays.

Exhibit 65. Search if Sideframe is Registered

Search Add New Upload CSV **Field Registration**

Search if Sideframe is Registered

Note: Enter the AAR Foundry Facility Code, Cast Month/Year, and Serial Number [View Component Diagram](#)

AAR Foundry Facility Code * (C501):

Cast Month/Year * (C502, C518):

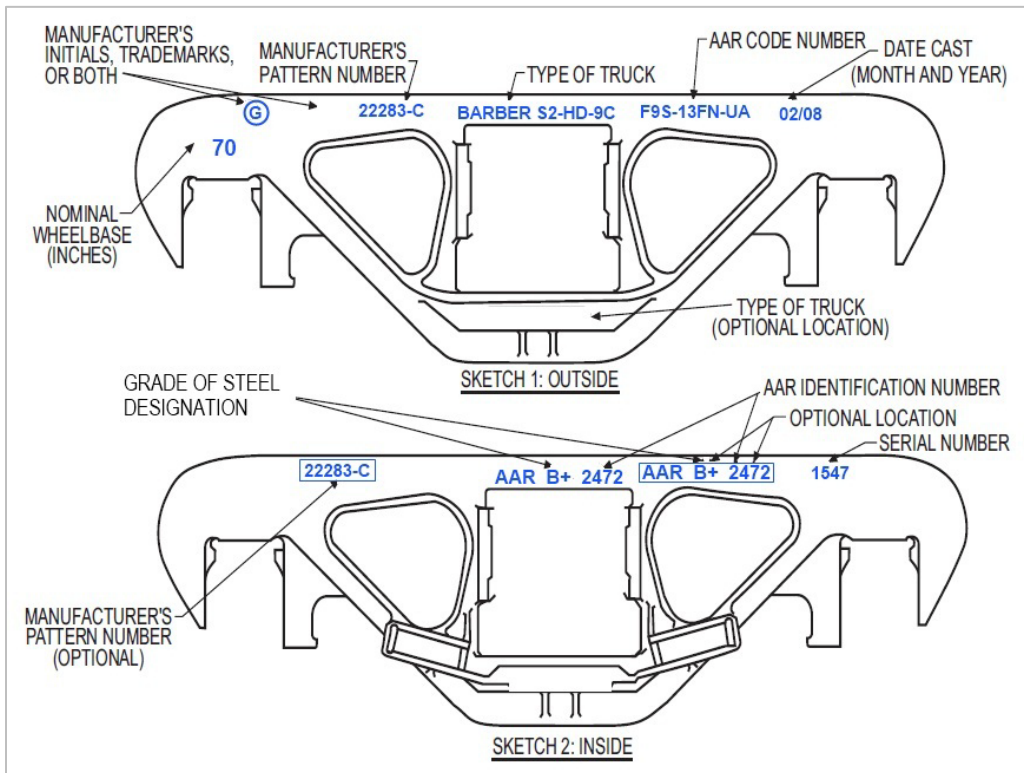
MFG Pattern Number (C505):

Serial Number * (C508):

Search **Register** **Cancel**

[Exhibit 66](#) shows where needed information can be found on the side frame.

Exhibit 66. Side Frame Reference Diagram



2. Enter the **AAR Foundry Facility Code**, **Cast Month/Year**, and **Serial Number**.

3. Select **Search**.
 - a. If a matching component is found (see example in [Exhibit 44](#)), no field registration is necessary and the side frame can be associated with the Equipment ID as described in [Sideframe Association](#).
 - b. If no matching component is found (see example in [Exhibit 45](#)), select **Register**. The Field Registration Elements page is displayed ([Exhibit 67](#)).

Exhibit 67. Sideframes Field Registration Elements

Please fill in the following information to complete a field registration.

Field Registration Elements

Component Registration Date (C010):

Side Frame Condition Code (C514):

* Side Frame AAR Foundry Facility Code (C501):

* Side Frame Cast Month (C502): 07

* Side Frame Cast Year (C518): 23

* AAR Design Feature Code (C503):

Side Frame AAR ID Code (C504):

* MFG Pattern Number (C505): ASGFSIDE0888

MFG Serial Number (C508):

* Column Wear Plate Installed (C515):

* Nominal Wheel Base (C516):

* Button Count (C517):

Increased Component Life (ICL) (C519):

Save Cancel

4. Select the trademark lookup icon () to open the Trademark Select pop-up ([Exhibit 22](#)).
5. Once all mandatory fields are entered, select **Save**.
 - a. If validation fails, an error message is shown beside the invalid entry (see example in [Exhibit 47](#)).
 - b. If validation is successful, Component Tracking generates a unique sideframe component ID ([Exhibit 68](#)).

Exhibit 68. Successful Sideframe Field Registration

Search Add New Upload CSV Field Registration

Please fill in the following information to complete a field registration.

 Component added to the Component Registry 8RIC0003491772 ✕

+ Add New
✎ Edit

Field Registration Elements

Component Registration Date (C010):

Side Frame Condition Code (C514):

* Side Frame AAR Foundry Facility Code (C501): ASFG - AMSTED RAIL COMPANY, Granite ... Q

* Side Frame Cast Month (C502): 07

* Side Frame Cast Year (C518): 23

* AAR Design Feature Code (C503): F999-999-123

Side Frame AAR ID Code (C504):

* MFG Pattern Number (C505): ASGFSIDE0888

MFG Serial Number (C508):

* Column Wear Plate Installed (C515): Y - Yes

* Nominal Wheel Base (C516): 70 - 70 inches

* Button Count (C517): 2 - 2 buttons

Increased Component Life (ICL) (C519):

Equipment ID

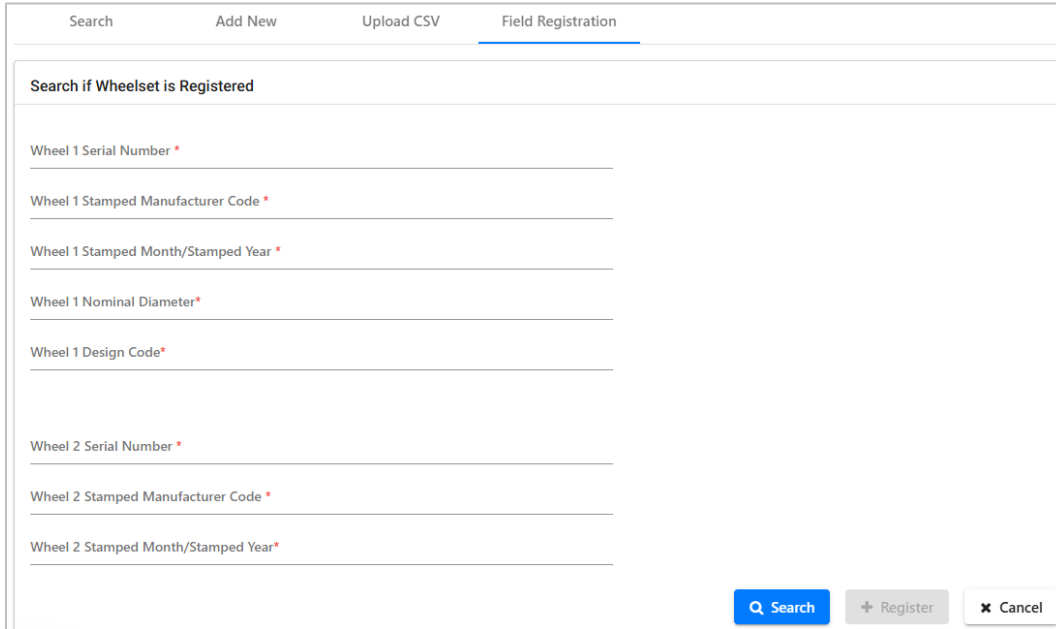
☑ Associate

- c. In [Exhibit 68](#), the new component ID is provided in the success message at the top. The sideframe can now be associated with an Equipment ID as described in
6. To edit the current registration, select **Edit**.
7. To add another sideframe registration, select **Add New**. The Search if Sideframe is Registered page is displayed ([Exhibit 65](#)).

Wheelsets

1. The Search if Wheelset is Registered page displays.

Exhibit 69. Search if Wheelset is Registered



Search Add New Upload CSV **Field Registration**

Search if Wheelset is Registered

Wheel 1 Serial Number *

Wheel 1 Stamped Manufacturer Code *

Wheel 1 Stamped Month/Stamped Year *

Wheel 1 Nominal Diameter*

Wheel 1 Design Code*

Wheel 2 Serial Number *

Wheel 2 Stamped Manufacturer Code *

Wheel 2 Stamped Month/Stamped Year *

Search **Register** **Cancel**

2. Enter the **Wheel 1 Serial Number** and **Wheel 1 Stamped Manufacturer Code**, **Wheel 1 Stamped Month/Year**, **Wheel 1 Nominal Diameter**, and **Wheel 1 Design Code** fields for Wheel 1.
3. Enter the **Wheel 2 Serial Number**, **Wheel 2 Stamped Manufacturer Code**, and **Wheel 2 Stamped Month/Stamped Year** fields for Wheel 2.
4. Select **Search**.
 - a. If a matching component is found (see example in [Exhibit 44](#)), no field registration is necessary and the wheelset can be associated with the Equipment ID as described in [Wheelset Association](#).
 - b. If no matching component is found (see example in [Exhibit 45](#)), select **Register**. The Field Registration page is displayed ([Exhibit 70](#)).

Exhibit 70. Wheelset Field Registration – Section 1-2

Search Add New Upload CSV **Field Registration**

Please fill in the following information to complete a field registration.

1. Wheelset

* AAR Facility Code (C003): _____ 🔍

* Applied Job Code: _____

* Condition Code: _____

Component Registration Date (C010): _____

2. Axle

* Applied Job Code: _____

* Condition Code: _____

5. Enter required fields in 1. Wheelset (Rule 44):
 - a. **AAR Facility Code**—The AAR Facility Code is the QA Code for the wheel shop that pressed the wheelset. Use the Mechanical Inspection Department (MID) Code found on the wheelset locking plate to determine the QA Code. Use the MID lookup icon (🔍) to select the matching code ([Exhibit 71](#)).

Exhibit 71. MID Search

MID Search

Search type
Contains

MID Code
A

QA Code

Clear Search

Showing 21 entries.

	MID CODE	QA CODE
☐		
☐	AAXS	AMIS
☐	ACXH	ACWV
☐	AL	AL
☐	AMAR	ARNY
☐	AMPG	APG

Select Close

Scroll down to the desired MID Code, select the radio button to the left, and select **Select**. The pop-up closes with your selection in the AAR Facility Code field.

- b. **Applied Job Code**—must be valid 4-digit AAR Job Code for Wheelsets
 - c. **Condition Code**—must be valid 1-digit code for wheelsets
6. Enter required fields in 2. Axle (Rule 43):
 - a. **Applied Job Code**—must be valid 4-digit AAR Job Code for Axles
 - b. **Condition Code**—must be valid 1-digit code for axles

Exhibit 72. Wheelset Field Registration – Section 3

3. Wheel Group 1

3.1 Wheel 1

* Applied Job Code: _____

* Applied Qualifier: _____

* Condition Code: 7

* Stamped Year (C105): _____

* Stamped Month (C106): _____

* Stamped Manufacturer Code (C107): P - British Steel, Tempelborough and Ickles Works (Prior... ▼

* Stamped Class (C108): _____ ▼

* Rim Thickness Side Scale Reading (C109): _____

* Finger Gauge Reading (C110): _____

* Stamped Serial Number (C111): P140022

AAR Contour for Freight Car Wheels (C119): _____ ▼

3.2 Roller Bearing 1

* Applied Job Code: _____

* Applied Qualifier: _____

* Condition Code: _____

7. Enter all required fields in 3.1 Wheel Group 1 – Wheelset 1 (Rule 41):

Note: Select the element link to view element help in a new window. Close the window when finished with the help. Elements with a red dot (●) are mandatory. Data Types: Text, Numeric, or Timestamp/Date.

- a. **Applied Job Code**—must be valid 4-digit AAR Job Code for Wheels.
 - b. **Applied Qualifier**—must be valid 2-digit qualifier for the appropriate wheel group.
 - c. **Condition Code**—defaults to 7 (all wheels applied).
 - d. **Stamped Year**—Select the **C105** link as needed for help.
 - e. **Stamped Month**—Select the **C106** link as needed for help.
 - f. **Stamped Manufacturer Code** (filled from user search input)—Select the **C107** link as needed for help.

- g. **Stamped Class**—Select the **C108** link as needed for help.
 - h. **Rim Thickness Side Scale Reading**—Select the **C109** link as needed for help.
 - i. **Finger Gauge Reading**—Select the **C110** link as needed for help.
 - j. **Stamped Serial Number** (filled from **Search if Wheelset is Registered** entry) —Select the **C111** link as needed for help.
8. Enter all required fields in 3.2 Wheel Group 1 - Roller Bearing 1 (Rule 36):
- a. **Applied Job Code**—must be valid 4-digit AAR Job Code for Roller Bearings
 - b. **Applied Qualifier**—must be valid 2-digit qualifier for the appropriate bearing group
 - c. **Condition Code**—must be valid 1-digit code for bearings
9. Enter all required fields in 4. Wheel Group 2 ([Exhibit 73](#)).

Exhibit 73. Wheelset Field Registration – Section 4

4. Wheel Group 2

4.1 Wheel 2

☒ Wheel 2 same as Wheel 1

* Applied Job Code: _____

* Applied Qualifier: _____

* Condition Code: 7 _____

* Stamped Year (C105): _____

* Stamped Month (C106): _____

* Stamped Manufacturer Code (C107): _____

* Stamped Class (C108): _____

* Rim Thickness Side Scale Reading (C109): _____

* Finger Gauge Reading (C110): _____

* Stamped Serial Number (C111): _____

AAR Contour for Freight Car Wheels (C119): _____

4.2 Roller Bearing 2

☒ Bearing 2 same as Bearing 1

* Applied Job Code: _____

* Applied Qualifier: _____

* Condition Code: _____

[Save](#) [Cancel](#)

10. When Wheel 2 is the same as Wheel 1, check the **Wheel 2 same as Wheel 1** checkbox and the fields are completed with the same data as Wheel 1. When they are not the same, enter the fields as described in step [7](#).
11. When Bearing 2 is the same as Bearing 1, check the **Bearing 2 same as Bearing 1** checkbox and the fields are completed with the same data as Bearing 1. When they are not the same, enter the fields as described in step [8](#).

12. When all mandatory fields have been entered, select **Save**.
 - a. If validation fails, an error message is shown beside the invalid entry ([Exhibit 74](#)).

Exhibit 74. Wheelset Field Registration With Error

 Transaction failed due to validation errors, see below for details.
Invalid Axle Job Code 

Please fill in the following information to complete a field registration.

1. Wheelset

* AAR Facility Code (C003): AADC - AMTRAK-ACELA, Washington,DC 

* Applied Job Code: 3328

* Condition Code: 1

Component Registration Date (C010):

2. Axle

* Applied Job Code: 3240 Invalid Axle Job Code

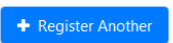
* Condition Code: 01

In [Exhibit 74](#), the Axle Job Code is invalid and needs to be changed.

- b. Once a field registration is validated and saved successfully, Component Tracking generates a unique Wheelset component ID ([Exhibit 75](#)).

Exhibit 75. Successful Wheelset Field Registration

 The Field Registration was successful. Here is your component ID:8RIC0003491952 



Please fill in the following information to complete a field registration.

1. Wheelset

* AAR Facility Code (C003): AADC - AMTRAK-ACELA, Washington,DC 

* Applied Job Code: 3328

* Condition Code: 1

Component Registration Date (C010):

2. Axle

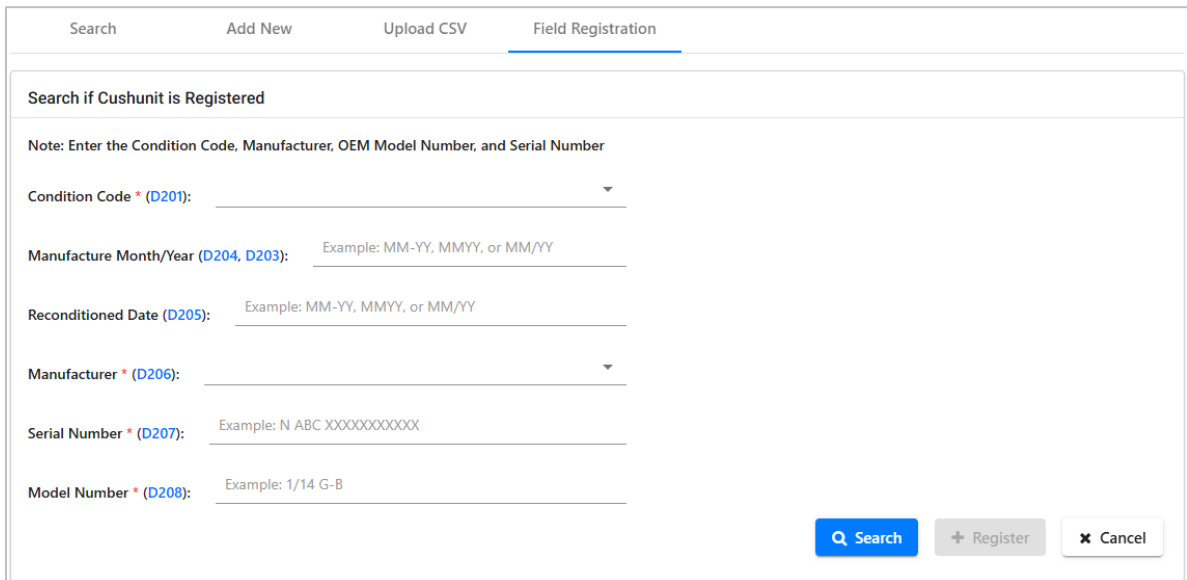
* Applied Job Code: 3274

- c. In [Exhibit 75](#), the new component ID is provided in the success message at the top. The registered wheelset can now be associated with an Equipment ID as described in [Wheelset Association](#).
13. To register another unbarcoded wheelset, select **Register Another**. The page resets for a new registration.

Cushioning Units

1. The Search if Cushunit is Registered page displays.

Exhibit 76. Search if Cushunit is Registered



2. Select the **Condition Code** from the drop-down list:
 - a. **New** – When New is selected, the **Manufacture Month** and **Manufacture Year** fields must also be entered.
 - b. **Reconditioned Date** – When Reconditioned Date is selected, the Reconditioned Date field must also be entered.
3. Enter the **Manufacturer**, **OEM Model Number**, and **Serial Number**.
4. Select **Search**.
 - a. If a matching component is found ([Exhibit 77](#)), no field registration is necessary and the cushioning unit can be associated with the Equipment ID as described in [Cushioning Unit Association](#).

Exhibit 77. Cushioning Unit Field Registration Search With Component Found

Search Add New Upload CSV Field Registration

Search if Cushunit is Registered

Note: Enter the Condition Code, Manufacturer, OEM Model Number, and Serial Number

Condition Code * (D201): 1 - New

Manufacture Month/Year (D204, D203): 0220

Reconditioned Date (D205): Example: MM-YY, MMY, or MM/YY

Manufacturer * (D206): AHO - AHO

Serial Number * (D207): 7728282281

Model Number * (D208): 15MCSFT

Component ID	Condition Code	Manufacturer	Month/Year	Reconditioned Date	Model Number	AAR Specification	Serial Number	Travel Length	Component Registration Date
RAIL1274382102	1	AHO	2/20		15MCSFT	M-921B	7728282281	12	12/02/2025 22:56

- b. If no matching component is found ([Exhibit 78](#)), select **Register**. The Field Registration Elements page is displayed ([Exhibit 79](#)).

Exhibit 78. Cushioning Unit Field Registration Search With No Component Found

Search Add New Upload CSV Field Registration

Search if Cushunit is Registered

 Your search parameters did not match a Cushunit currently registered in the Umler Component Registry. Please click Register to complete a Field Registration. X

Note: Enter the Condition Code, Manufacturer, OEM Model Number, and Serial Number

Condition Code * (D201): 1 - New

Manufacture Month/Year (D204, D203): 0220

Reconditioned Date (D205): Example: MM-YY, MMY, or MM/YY

Manufacturer * (D206): AHO - AHO

Serial Number * (D207): 444444444444

Model Number * (D208): 15MCSFT

Exhibit 79. Cushioning Unit Field Registration Elements

The screenshot shows a web application interface for field registration. At the top, there are four tabs: 'Search', 'Add New', 'Upload CSV', and 'Field Registration', with 'Field Registration' being the active tab. Below the tabs, a message states: 'Please fill in the following information to complete a field registration.' The main form area is titled 'Field Registration Elements' and contains several input fields. The fields are: 'Component Registration Date (C010):' with a dotted line for input; '* Condition Code (D201):' with a dropdown menu showing '1 - New'; 'AAR OEM/Recon Facility Code (D202):' with a dropdown menu; 'Manufacture Year (D203):' with the value '21'; 'Manufacture Month (D204):' with the value '07'; 'Reconditioned Date (D205):' with a dotted line for input; '* Manufacturer (D206):' with a dropdown menu showing 'AHO - AHO'; '* Serial Number (D207):' with a dotted line for input; '* OEM Model Number (D208):' with a dropdown menu; 'AAR Specification (D209):' with a dropdown menu; and 'Travel Length (D210):' with a dotted line for input. At the bottom right of the form, there are two buttons: 'Save' (blue) and 'Cancel' (grey).

Search Add New Upload CSV **Field Registration**

Please fill in the following information to complete a field registration.

Field Registration Elements

Component Registration Date (C010):

* Condition Code (D201): 1 - New ▼

AAR OEM/Recon Facility Code (D202): ▼

Manufacture Year (D203): 21

Manufacture Month (D204): 07

Reconditioned Date (D205):

* Manufacturer (D206): AHO - AHO ▼

* Serial Number (D207):

* OEM Model Number (D208): ▼

AAR Specification (D209): ▼

Travel Length (D210):

Save **Cancel**

5. Once all mandatory fields have been entered, select **Save**.
 - a. If validation fails, an error message is shown beside the invalid entry ([Exhibit 80](#)).

Exhibit 80. Cushioning Unit Field Registration With Errors

Search Add New Upload CSV Field Registration

Please fill in the following information to complete a field registration.

 Transaction failed due to validation errors, see below for details. ✖

Field Registration Elements

Component Registration Date (C010):

* Condition Code (D201): 1 - New ▼

AAR OEM/Recon Facility Code (D202): ▼

Manufacture Year (D203): 21

Manufacture Month (D204): 07

Reconditioned Date (D205):

* Manufacturer (D206): AHO - AHO ▼

* Serial Number (D207): Invalid for Mandatory Elements

* OEM Model Number (D208): 15MC2FT - 15MC2FT ▼

AAR Specification (D209): ▼

Travel Length (D210):

Save ✖ Cancel

In [Exhibit 80](#), a mandatory field needs to be entered.

- b. When validation is successful, Component Tracking generates a unique cushioning unit component ID ([Exhibit 81](#)).

Exhibit 81. Successful Cushioning Unit Field Registration

Search Add New Upload CSV Field Registration

Please fill in the following information to complete a field registration.

✔ Component added to the Component Registry 8RIC0003491953 ✕

+ Add New
✎ Edit

Field Registration Elements

Component Registration Date (C010):

* Condition Code (D201): 1 - New ▼

AAR OEM/Recon Facility Code (D202):

Manufacture Year (D203): 21

Manufacture Month (D204): 05

Reconditioned Date (D205):

* Manufacturer (D206): EHI - EHI ▼

* Serial Number (D207): 12345

* OEM Model Number (D208): 15MC2FT - 15MC2FT ▼

AAR Specification (D209):

Travel Length (D210):

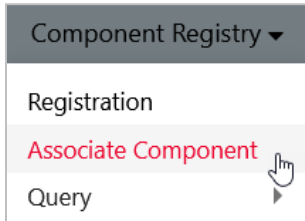
Equipment ID ✔ Associate

- c. In [Exhibit 81](#), the new component ID is provided in the success message at the top. The cushioning unit can now be associated with an Equipment ID as described in [Cushioning Unit Association](#).
6. To edit the current registration, select **Edit**.
7. To add another cushioning unit registration, select **Add New**. The Search if Cushioning Unit is Registered tab is displayed ([Exhibit 76](#)).

Associate Component

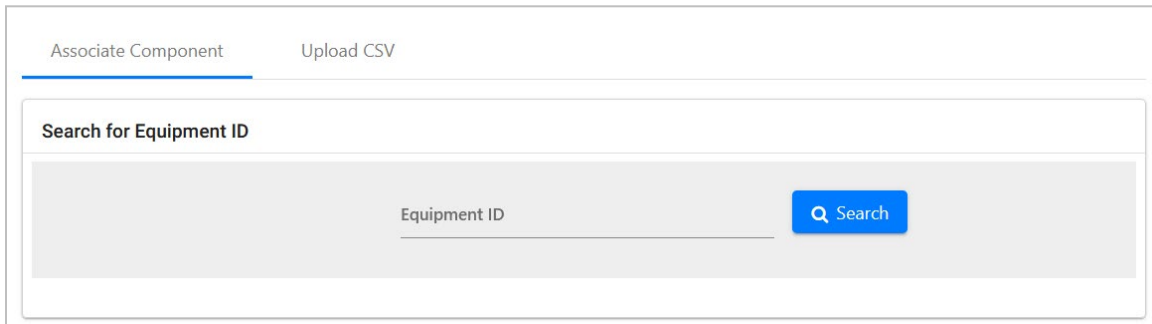
The Associate Component function is used to associate a component registered in Umler with a registered Umler Equipment ID.

Exhibit 82. Associate Component Menu Item



When the user selects **Component Registry > Associate Component** on an Umler page ([Exhibit 82](#)), the Associate Component tab is displayed, ([Exhibit 83](#)).

Exhibit 83. Associate Component to Equipment



Associate a Component

To associate a component, you must know the **Equipment ID** and **Component IDs** to be associated and the Equipment ID must be registered in Umler. Use the following procedure to associate a component with a piece of equipment:

1. Log onto Umler as described in [Logging In](#). The Umler Home page is displayed ([Exhibit 8](#)).
2. From the Umler menu, select **Component Registry > Associate Component**. The Associate Component tab is displayed ([Exhibit 83](#)).
3. Enter the **Equipment ID** to be associated, and select **Search**. When the Equipment ID is registered in Umler, details about the equipment ID are found and displayed ([Exhibit 84](#)).

Exhibit 84. Associate Component Search Results

Associate Component
Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL30085
Search

Equipment Group:	VFLT	Lessee:		Equipment Type Code:	V971
Mechanical Designation:	FA	Truck Count:	2		
Umler Owner:	RAIL	Axle Count:	4	Stenciled Shipping Spec:	

Select Component for Association

Component Type

☒ Associate
☐ Nullify

4. Select a **Component Type** from the drop-down list to associate:
 - a. [Bolster Association](#)
 - b. [Coupler Association](#)
 - c. [Brake Value Control Emergency Association](#)
 - d. [Brake Value Control Service Association](#)
 - e. [Sideframe Association](#)
 - f. [Slack Adjuster Association](#)
 - g. [Wheelset Association](#)
 - h. [Pressure Relief Valve Association](#)
 - i. [View All](#) (select to view all components already associated with the equipment ID)

Bolster Association

The table at the bottom shows the bolster positions (from the “B” end). The equipment example in [Exhibit 85](#) has two positions for component association.

Exhibit 85. Associate Bolster to Equipment

Associate Component
Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL30085
Search

Equipment Group: VFLT Lessee: Equipment Type Code: V971
Mechanical Designation: FA Truck Count: 2
Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec:

Select Component for Association

Component Type
BOLSTER

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☒	Bolster	B								
☐	Bolster	A								

Associate
Nullify
Cancel

1. Enter the following fields:
 - b. Select the checkbox beside the position *where the component has been applied*.
 - c. Enter the **AAR Component ID**. If the component ID is unknown, use the lookup icon () to open the Component Search pop-up ([Exhibit 86](#)).
 - Enter information in the three required fields and select **Search**.

Note: The system will only return the most recent registration for criteria submitted.

Exhibit 86. Bolster Component Search

✕

Component Search

^

Note: Enter the Cast Date, Manufacturer and (Serial Number or Pattern Number)

Manufacturer

ACCO

Cast Month/Year

02/22

MFG Pattern Number

2

Serial Number

✏ Clear

🔍 Search

☐	Component ID	Manufacture	Cast Month/Year	AAR Design Feature ...	MFG Pattern Number	Serial Number	Component Registra...
☐	RAIL0000001212	ACCO	2/22	B22	2	2	08/10/2023 14:17

- When the appropriate component is found, select the checkbox in the first column and **Select** to close the tab and return to the Associate Components tab. The selected Component ID is added to the AAR Component ID field.

Note: If no component ID is found, register the component as described in [Add New Component](#), and come back to associate. Recalled components are NOT included in search results.

- d. Enter the **Association Date** or use the calendar icon to select the date. This is the date that the component was applied, either today or an earlier date, but cannot be in the future.
 - e. Enter the mark of the **Performer**. This is the shop mark.
 - f. Enter a 9-digit SPLC or use the lookup icon to search for a SPLC. This is the location where the application was performed (e.g., shop SPLC).
 - g. Enter additional components to the rows below as appropriate.
- Once you have entered all the appropriate fields and checked the boxes for the components to associate, select **Associate**.
 - b. If a component ID has been identified in a recall, a confirmation pop-up message is displayed ([Exhibit 87](#)). The Component Details field provides the error or warning.

Select **Cancel** to change to a different component. Otherwise, select **OK** to install the recalled component.

Exhibit 87. Bolster Recall Warning

Select Component for Association

Component Type: BOLSTER

Confirmation

There are warnings with this component associations. To proceed association with warnings, press OK. Press Cancel to view and fix the warnings.

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Bolster	B	RAIL0000001212	09/26/2023	RAIL	411657000	RAIL	View Details		
☒	Bolster	A	RAIL0000537851	09/26/2023	RAIL	411657000		* Component under recall		⚠

- b. If the component has no warnings, the Associate Component tab is redisplayed with a success message ([Exhibit 88](#)). The **Reporter** field is populated. The **View Details** link opens a pop-up that shows the Component Details for the row selected (see example in [Exhibit 103](#)). Select **OK** to close it.

Exhibit 88. Successful Bolster Association

Associate Component Upload CSV

Search for Equipment ID

✓ Component(s) association request is accepted successfully.

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID: RAIL30085 Search

Equipment Group: VFLT Lessee: Equipment Type Code: V971

Mechanical Designation: FA Truck Count: 2

Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec:

Select Component for Association

Component Type: BOLSTER

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Bolster	B	RAIL0000001212	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Bolster	A								

Associate Nullify Cancel

- c. If the component was associated incorrectly, (e.g., wrong Equipment ID, or wrong position on equipment), the association can be nullified. See [Nullify an Association](#).
3. Select **Cancel** to return to the Associate Component tab, or select another menu item.

Coupler Association

The table at the bottom shows the coupler positions (B and A). In [Exhibit 89](#), the equipment ID has two positions for component association. The B end has been entered, but not yet associated.

Exhibit 89. Associate Coupler to Equipment

Associate Component
Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL7094
Search

Equipment Group: GOND Lessee: Equipment Type Code: E544
Mechanical Designation: GBSR Truck Count: 2
Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec:

Select Component for Association

Component Type
COUPLER

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☒	Coupler	B	RAIL3004	09/26/2023	RAIL	411657000				
☐	Coupler	A								

Associate
Nullify
Cancel

1. Enter the following fields:
 - a. Select the checkbox beside the position *where the component has been applied*.
 - b. Enter the **AAR Component ID**. If the component ID is unknown, use the lookup icon () to open the Component Search pop-up ([Exhibit 90](#)).
 - Enter information in the three required fields and select **Search**.

Note: The system will only return the most recent registration for criteria submitted.

Exhibit 90. Coupler Component Search

Component Search

Cast Month/Year *
01/01

Catalog Number *
1

Serial Number

Cavity Number

Clear Search

☐	Component ID	Manufacturer	Reconditioner	Cast Month/Year	Catalog Number	Serial Number	Component Registration Date
☐	RAIL000003005	FAT	AMIS	01/01	1		08/22/2023 08:32

Select Close

- When the appropriate component is found, select the checkbox in the first column and **Select** to close the tab and return to the Associate Component tab. The selected Component ID is added to the AAR Component ID field.

Note: If no component ID is found, register the component as described in [Add New Component](#), and come back to associate. Recalled components are NOT included in search results.

- Enter the **Association Date** or use the calendar icon to select the date. This is the date that the component was applied, either today or an earlier date, but cannot be in the future.
 - Enter the mark of the **Performer**. This is the shop mark.
 - Enter a 9-digit SPLC or use the lookup icon to search for a SPLC. This is the location where the application was performed (e.g., shop SPLC).
 - Enter additional components to the rows below as appropriate.
- Once you have entered all the appropriate fields and checked the boxes for the components to associate, select **Associate**.
 - If a component ID has been identified in a recall, a confirmation pop-up message is displayed (see example in [Exhibit 87](#)). The Component Details field provides the error or warning.

Select **Cancel** to change to a different component. Otherwise, select **OK** to install the recalled component.

- If the component has no warnings, the Associate Component tab is redisplayed with a success message ([Exhibit 91](#)). The **Reporter** field is populated. The **View Details** link opens a pop-up that shows the Component Details for the row selected (see example in [Exhibit 103](#)). Select **OK** to close it.

Exhibit 91. Successful Coupler Association

Associate Component
Upload CSV

Search for Equipment ID

 Component(s) association request is accepted successfully.

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL7094

Search

Equipment Group: GOND
Lessee:
Equipment Type Code: E544

Mechanical Designation: GBSR
Truck Count: 2

Umler Owner: RAIL
Axle Count: 4
Stenciled Shipping Spec:

Select Component for Association

Component Type
COUPLER

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Coupler	B	RAIL0000003004 	09/26/2023 	RAIL	411657000 	RAIL	View Details		
☐	Coupler	A								

 Associate
 Nullify
 Cancel

- c. If the component was associated incorrectly, (e.g., wrong Equipment ID, or wrong position on equipment), the association can be nullified. See [Nullify an Association](#).
3. Select **Cancel** to return to the Associate Component tab, or select another menu item.

Brake Value Control Emergency Association

The table at the bottom shows the Emergency Valve position (from the “B” end). The equipment example in Exhibit 92 has one position for component association.

Exhibit 92. Associate Brake Valve Control Emergency to Equipment

Associate Component
Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL30085
Search

Equipment Group: VFLT Lessee: Equipment Type Code: V971
Mechanical Designation: FA Truck Count: 2
Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec:

Select Component for Association

Component Type
BRAKE VALVE CONTROL EMERGENCY

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☒	Brake Valve Control Emergency	1	RAIL3073	09/26/2023	RAIL	411657000				

Associate
Nullify
Cancel

1. Enter the following fields:
 - a. Select the checkbox beside the position *where the component has been applied*.
 - b. Enter the **AAR Component ID**. If the component ID is unknown, use the lookup icon () to open the Component Search pop-up ([Exhibit 93](#)).
 - Enter information in the three required fields and select **Search**.

Note: The system can only return the most recent registration for criteria submitted.

Exhibit 93. Brake Valve Control Emergency Component Search

- When the appropriate component is found, select the checkbox in the first column and **Select** to close the tab and return to the Associate Components tab. The selected Component ID is added to the AAR Component ID field.

Note: If no component ID is found, register the component as described in [Add New Component](#), and return to associate. Recalled components are NOT included in search results.

- Enter the **Association Date** or use the calendar icon to select the date. This is the date that the component was applied, either today or an earlier date, but cannot be in the future.
 - Enter the mark of the **Performer**. This is the shop mark.
 - Enter a 9-digit SPLC or use the lookup icon to search for a SPLC. This is the location where the application was performed (e.g., shop SPLC).
 - Enter additional components to the rows below as appropriate. When an entry is complete, the Associate button becomes available.
- Once you have entered all the appropriate fields and checked the boxes for the components to associate, select **Associate**.
 - If the component ID has been identified in a recall, a confirmation pop-up is displayed (see example in [Exhibit 87](#)). The Component Details field provides the error or warning.
 - If the component has no warnings, the Associate Component tab is redisplayed with a success message. The **Reporter** field is populated. The **View Details** link opens a pop-up that shows the Component Details for the row selected (see example in [Exhibit 103](#)). Select **OK** to close it.
 - If the component was associated incorrectly, (e.g., wrong Equipment ID, or wrong position on equipment), the association can be nullified. See [Nullify an Association](#).
 - Select **Cancel** to return to the Associate Component tab or select another menu item.

Brake Value Control Service Association

The table at the bottom shows the Service Valve position (from the “B” end). The equipment example in [Exhibit 94](#) has one position for component association.

Exhibit 94. Associate Brake Valve Control Service to Equipment

Associate Component

Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID

RAIL30085

Search

Equipment Group:

VFLT

Lessee:

Equipment Type Code:

V971

Mechanical Designation:

FA

Truck Count:

2

Umler Owner:

RAIL

Axle Count:

4

Stenciled Shipping Spec:

Select Component for Association

Component Type

BRAKE VALVE CONTROL SERVICE

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Brake Valve Control Service	1								

Associate

Nullify

Cancel

1. Enter the following fields:
- a. Select the checkbox beside the position *where the component has been applied*.

b. Enter the **AAR Component ID**. If the component ID is unknown, use the lookup icon () to open the Component Search pop-up (see example in [Exhibit 93](#)).
 - Enter information in the three required fields and select **Search**.

Note: The system can only return the most recent registration for criteria submitted.

Exhibit 95. Brake Valve Control Service Component Search

- When the appropriate component is found, select the checkbox in the first column and **Select** to close the tab and return to the Associate Components tab. The selected Component ID is added to the AAR Component ID field.

Note: If no component ID is found, register the component as described in [Add New Component](#), and come back to associate. Recalled components are NOT included in search results.

- Enter the **Association Date** or use the calendar icon to select the date. This is the date that the component was applied, either today or an earlier date, but cannot be in the future.
 - Enter the mark of the **Performer**. This is the shop mark.
 - Enter a 9-digit SPLC or use the lookup icon to search for a SPLC. This is the location where the application was performed (e.g., shop SPLC).
 - Enter additional components to the rows below as appropriate.
- Once you have entered all the appropriate fields and checked the boxes for the components to associate, select **Associate**.
 - If a component ID has been identified in a recall, a confirmation pop-up message is displayed (see example in [Exhibit 87](#)). The Component Details field provides the error or warning.

Select **Cancel** to change to a different component. Otherwise, select **OK** to install the recalled component.
 - If the component has no warnings, the Associate Component tab is redisplayed with a success message. The **Reporter** field is populated. The **View Details** link opens a pop-up that shows the Component Details for the row selected (see example in [Exhibit 103](#)). Select **OK** to close it.
 - If the component was associated incorrectly, (e.g., wrong Equipment ID, or wrong position on equipment), the association can be nullified. See [Nullify an Association](#).

- 3. Select **Cancel** to return to the Associate Component tab or select another menu item.

Sideframe Association

The table at the bottom shows the sideframe positions (from the “B” end). The equipment example in [Exhibit 96](#) has four positions for component association.

Exhibit 96. Associate Sideframe to Equipment

Associate Component

Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID

RAIL30085

Search

Equipment Group:

VFLT

Lessee:

Equipment Type Code:

V971

Mechanical Designation:

FA

Truck Count:

2

Umler Owner:

RAIL

Axle Count:

4

Stenciled Shipping Spec:

Select Component for Association

Component Type

SIDE FRAME

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Side Frame	BL	Q			Q				
☐	Side Frame	BR	Q			Q				
☐	Side Frame	AL	Q			Q				
☐	Side Frame	AR	Q			Q				

Associate

Nullify

Cancel

- 1. Enter the following fields:
 - a. Select the checkbox beside the position *where the component has been applied*.
 - b. Enter the **AAR Component ID**. If the component ID is unknown, use the lookup icon () to open the Component Search pop-up (see example in [Exhibit 86](#)).
 - Enter information in the three required fields and select **Search**.
- Note:

The system will only return the most recent registration for criteria submitted.

- When the appropriate component is found, select the checkbox in the first column and **Select** to close the tab and return to the Associate Components tab. The selected Component ID is added to the AAR Component ID field.

Note: If no component ID is found, register the component as described in [Add New Component](#), and come back to associate. Recalled components are NOT included in search results.

- c. Enter the **Association Date** or use the calendar icon to select the date. This is the date that the component was applied, either today or an earlier date, but cannot be in the future.
 - d. Enter the mark of the **Performer**. This is the shop mark.
 - e. Enter a 9-digit SPLC or use the lookup icon to search for a SPLC. This is the location where the application was performed (e.g., shop SPLC).
 - f. Enter additional components to the rows below as appropriate.
2. Once you have entered all the appropriate fields and checked the boxes for the components to associate, select **Associate**.
 - a. If a component ID has been identified in a recall, a confirmation pop-up message is displayed (see example in [Exhibit 87](#)). The Component Details field provides the error or warning.

Select **Cancel** to change to a different component. Otherwise, select **OK** to install the recalled component.
 - b. If the component has no warnings, the Associate Component tab is redisplayed with a success message ([Exhibit 97](#)). The **Reporter** field is populated. The **View Details** link opens a pop-up that shows the Component Details for the row selected (see example in [Exhibit 103](#)). Select **OK** to close it.

Exhibit 97. Successful Sideframe Association

Associate Component
Upload CSV

Search for Equipment ID

 Component(s) association request is accepted successfully.

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL30085
Search

Equipment Group: VFLT Lessee: Equipment Type Code: V971
Mechanical Designation: FA Truck Count: 2
Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec:

Select Component for Association

Component Type
SIDE FRAME

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Side Frame	BL	RAIL0000001120	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Side Frame	BR								
☐	Side Frame	AL								
☐	Side Frame	AR								

Associate
Nullify
Cancel

- c. If the component was associated incorrectly, (e.g., wrong Equipment ID, or wrong position on equipment), the association can be nullified. See [Nullify an Association](#).
3. Select **Cancel** to return to the Associate Component tab or select another menu item.

Slack Adjuster Association

The table at the bottom shows the slack adjuster positions (from the “B” end). The equipment example in [Exhibit 98](#), has eight positions for component association.

Exhibit 98. Associate Slack Adjuster to Equipment

Associate Component
Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL30085
Search

Equipment Group: VFLT Lessee: Equipment Type Code: V971
Mechanical Designation: FA Truck Count: 2
Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec:

Select Component for Association

Component Type
SLACK ADJUSTER

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Slack Adjuster	1								
☐	Slack Adjuster	2								
☐	Slack Adjuster	3								
☐	Slack Adjuster	4								

1. Enter the following fields:
 - a. Select the checkbox beside the position *where the component has been applied*.
 - b. Enter the **AAR Component ID**. If the component ID is unknown, use the lookup icon () to open the Component Search pop-up (see example in [Exhibit 86](#)).
 - Enter information in the three required fields and select **Search**.

Note: The system will only return the most recent registration for criteria submitted.

- When the appropriate component is found, select the checkbox in the first column and **Select** to close the tab and return to the Associate Components tab. The selected Component ID is added to the AAR Component ID field.

Note: If no component ID is found, register the component as described in [Add New Component](#), and come back to associate. Recalled components are NOT included in search results.

- c. Enter the **Association Date** or use the calendar icon to select the date. This is the date that the component was applied, either today or an earlier date, but cannot be in the future.

- d. Enter the mark of the **Performer**. This is the shop mark.
 - e. Enter a 9-digit SPLC or use the lookup icon to search for a SPLC. This is the location where the application was performed (e.g., shop SPLC).
 - f. Enter additional components to the rows below as appropriate.
2. Once you have entered all the appropriate fields and checked the boxes for the components to associate, select **Associate**.
 - a. If a component ID has been identified in a recall, a confirmation pop-up message is displayed (see example in [Exhibit 87](#)). The Component Details field provides the error or warning.

Select **Cancel** to change to a different component. Otherwise, select **OK** to install the recalled component.

- b. If the component has no warnings, the Associate Component tab is redisplayed with a success message ([Exhibit 99](#)). The **Reporter** field is populated. The **View Details** link opens a pop-up that shows the Component Details for the row selected (see example in [Exhibit 103](#)). Select **OK** to close it.

Exhibit 99. Successful Slack Adjuster Association

Associate Component
Upload CSV

Search for Equipment ID

 Component(s) association request is accepted successfully.

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL30085
Search

Equipment Group: VFLT Lessee: Equipment Type Code: V971
Mechanical Designation: FA Truck Count: 2
Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec:

Select Component for Association

Component Type
SLACK ADJUSTER

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Slack Adjuster	1	BRIC0003491770 	09/26/2023 	RAIL	411657000 	RAIL	View Details		
☐	Slack Adjuster	2								
☐	Slack Adjuster	3								
☐	Slack Adjuster	4								
☐	Slack Adjuster	5								

- c. If the component was associated incorrectly, (e.g., wrong Equipment ID, or wrong position on equipment), the association can be nullified. See [Nullify an Association](#).
3. Select **Cancel** to return to the Associate Component tab or select another menu item.

Wheelset Association

The table at the bottom shows the wheelset positions (from the “B” end). The equipment example in [Exhibit 100](#) has four positions for component association.

Exhibit 100. Associate Wheelset to Equipment

Associate Component
Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL30085
Search

Equipment Group: VFLT Lessee: Equipment Type Code: V971
Mechanical Designation: FA Truck Count: 2
Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec:

Select Component for Association

Component Type
WHEELSET

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Wheelset	1								
☐	Wheelset	2								
☐	Wheelset	3								
☐	Wheelset	4								

Associate
Nullify
Cancel

1. Enter the following fields:
 - a. Select the checkbox beside the position *where the component has been applied*.
 - b. Enter the **AAR Component ID**. If the component ID is unknown, use the lookup icon () to open the Component Search pop-up ([Exhibit 101](#)).
 - For the search, **Wheel Serial Number** and **Wheel Stamped Manufacturer Code** are required fields and optionally, enter any of the other criteria (**Wheel Stamped Month/Stamped Year**, **Wheel Nominal Diameter**, **Wheel Design Code**). Then select **Search**.

Exhibit 101. Wheelsets Component Search

Select	Component AAR Facility Code	Component Assembly Date/Time	Wheel	Stamped MMY	Mfg Code	Class	Serial #
☐	AADC - AMTRAK-ACELA, Washington,DC		1	0822	P	B	P140022
				0822	P	B	

- When the appropriate component is found, select the checkbox in the first column and **Select** to close the tab and return to the Associate Components tab. The selected Component ID is added to the AAR Component ID field.

Note: If no component ID is found, register a barcoded component as described in [Add New Component](#), or for a nonbarcoded component, add the component as described in [Field Registration](#). Recalled components are NOT included in the search results.

- Enter the **Association Date** or use the calendar icon to select the date. This is the date that the component was applied, either today or an earlier date, but cannot be in the future.
 - Enter the mark of the **Performer**. This is the shop mark.
 - Enter a 9-digit SPLC or use the lookup icon to search for a SPLC. This is the location where the application was performed (e.g., shop SPLC).
 - Enter additional components to the rows below as appropriate.
- Once you have entered all the appropriate fields and checked the boxes for the components to associate, select **Associate**.
 - If a component ID has been identified in a recall, a confirmation pop-up message is displayed (see example in [Exhibit 87](#)). The Component Details field provides the error or warning.

Select **Cancel** to change to a different component. Otherwise, select **OK** to install the recalled component.

- If the component has no warnings, the Associate Component tab is redisplayed with a success message ([Exhibit 102](#)). The **Reporter** field is populated.

Exhibit 102. Successful Wheelset Association

Associate Component
Upload CSV

Search for Equipment ID

 Component(s) association request is accepted successfully.

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL30085
Search

Equipment Group: VFLT Lessee: Equipment Type Code: V971
Mechanical Designation: FA Truck Count: 2
Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec:

Select Component for Association

Component Type
WHEELSET

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Wheelset	1	8RIC0003491952 	09/26/2023 	RAIL	411657000 	RAIL	View Details		
☐	Wheelset	2								
☐	Wheelset	3								
☐	Wheelset	4								

 Associate
 Nullify
 Cancel

The **View Details** link opens a pop-up that shows the Component Details for the row selected ([Exhibit 103](#)). Select **OK** to close it.

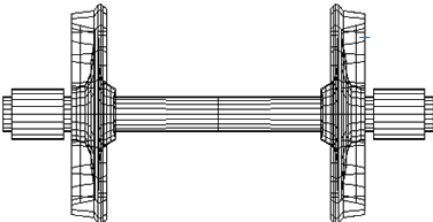
Exhibit 103. View Component Details

Wheelset: 8RIC0003491952 Location: 1 Car Number: RAIL30085

New 28 inch wheel Wheel, Class B, Curved Plate, 1-W;
New 6.0 X 11.0 Bearing, AARX0001 - All makes Natural Fitted Backing Ring; New Axle

	Wheel 1	Wheel 2
Manufactured Date		
Stamped Month/Stamped Year	8/22	8/22
Stamped Serial Number	P140022	
Heat/Melt		
Rim Thickness Side Scale Reading	28	28
Finger Gauge Reading	11	11
Tape Size		

	Bearing 1	Bearing 2
Manufacture Date		
Cup Stamped Month/Cup Stamped Year	/	/
Cup Serial Number		
Certificate Number	1	1
Seal Type		
Grease Type		
Cage Type		



Axle	
AAR Condition Code	1
Manufacture Date	
Serial Number And Heat ID	
AAR Type	RWS
Grade	
Body Design	E
Int Extended Axle Codes	
Body Design	E
Axle Dust Guard Size	
Extended Seal Wear Ring	

OK

- c. If the component was associated incorrectly, (e.g., wrong Equipment ID, or wrong position on equipment), the association can be nullified. See [Nullify an Association](#).
3. Select **Cancel** to return to the Associate Component tab or select another menu item

Pressure Relief Valve Association

The table at the bottom shows the pressure relief valve positions (from the “B” end). The equipment example in [Exhibit 104](#) has six positions for component association.

Exhibit 104. Associate Pressure Relief Valve to Equipment

Associate Component
Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL13710
Search

Equipment Group: TANK Lessee: Equipment Type Code: T055
Mechanical Designation: T Truck Count: 2
Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec: 111A100WS

Select Component for Association

Component Type
PRESSURE RELIEF VALVE

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Pressure Relief Valve	B								
☐	Pressure Relief Valve	C								
☐	Pressure Relief Valve	D								
☐	Pressure Relief Valve	E								

1. Enter the following fields:
 - a. Select the checkbox beside the position *where the component has been applied*.
 - b. Enter the **AAR Component ID**. If the component ID is unknown, use lookup icon (🔍) to open the Component Search pop-up ([Exhibit 105](#)).
 - Enter information in the three required fields and select **Search**.

Note: The system will only return the most recent registration for criteria submitted.

Exhibit 105. Pressure Relief Valve Component Search

Component Search

AAR Approval Number *

Condition Code *

Build Month/Year

Serial Number

Clear Search

Select Close

- When the appropriate component is found, select the checkbox in the first column and **Select** to close the tab and return to the Associate Components tab. The selected Component ID is added to the AAR Component ID field.

Note: If no component ID is found, register the component as described in [Add New Component](#), and come back to associate. Recalled components are NOT included in search results.

- Enter the **Association Date** or use the calendar icon to select the date. This is the date that the component was applied, either today or an earlier date, but cannot be in the future.
 - Enter the mark of the **Performer**. This is the shop mark.
 - Enter a 9-digit SPLC or use the lookup icon to search for a SPLC. This is the location where the application was performed (e.g., shop SPLC).
 - Enter additional components to the rows below as appropriate.
- Once you have entered all the appropriate fields and checked the boxes for the components to associate, select **Associate**.
 - If a component ID has been identified in a recall, a confirmation pop-up message is displayed (see example in [Exhibit 87](#)). The Component Details field provides the error or warning.

Select **Cancel** to change to a different component. Otherwise, select **OK** to install the recalled component.
 - If the component has no warnings, the Associate Component tab is redisplayed with a success message (see example in [Exhibit 88](#)). The **Reporter** field is populated. The **View Details** link opens a pop-up that shows the Component Details for the row selected (see example in [Exhibit 103](#)). Select **OK** to close it.
 - If the component was associated incorrectly, (e.g., wrong Equipment ID, or wrong position on equipment), the association can be nullified. See [Nullify an Association](#).
 - Select **Cancel** to return to the Associate Component tab or select another menu item.

Cushioning Unit Association

The table at the bottom shows the cushioning unit positions (from the “B” end). The equipment example in [Exhibit 106](#), has two positions for component association.

Exhibit 106. Associate Cushioning Unit to Equipment

Associate Component

Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID

RAIL7213

Search

Equipment Group:

GOND

Lessee:

Equipment Type Code:

E544

Mechanical Designation:

GBSR

Truck Count:

2

Umler Owner:

RAIL

Axle Count:

4

Stenciled Shipping Spec:

Select Component for Association

Component Type

CUSHIONING UNIT

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Cushioning Unit	B	Search			Search				
☐	Cushioning Unit	A	Search			Search				

Associate

Nullify

Cancel

1. Enter the following fields:
- b. Select the checkbox beside the position *where the component has been applied*.

c. Enter the **AAR Component ID**. If the component ID is unknown, use lookup icon () to open the Component Search pop-up ([Exhibit 107](#)).
 - Enter information in the three required fields and select **Search**.

Note: The system will only return the most recent registration for criteria submitted.

Exhibit 107. Cushing Unit Component Search

Component Search

Note: Enter the Condition and Manufacturer

Condition Code *
1 - New

Manufacture Month
05

Manufacture Year
21

Reconditioned Date

Manufacturer *
EHI - EHI

Serial Number

Model Number

Clear Search

☐	Component...	Condition Co...	Manufacturer	Manufactur...	Manufactur...	Recondition...	Model Num...	AAR Specifi...	Serial Num...	Travel Length	Component Registration Date
☐	8RIC0003491...	1	EHI	5	21		15MC2FT		12345		09/26/2023 00:28

Select Close

- When the appropriate component is found, select the checkbox in the first column and **Select** to close the tab and return to the Associate Components tab. The selected Component ID is added to the AAR Component ID field.

Note: If no component ID is found, register the component as described in [Add New Component](#), and come back to associate. Recalled components are NOT identified in a search.

Note: If no component ID is found, register the component as described in [Add New Component](#), and come back to associate. Recalled components are NOT included in search results.

- Enter the **Association Date** or use the calendar icon to select the date. This is the date that the component was applied, either today or an earlier date, but cannot be in the future.
 - Enter the mark of the **Performer**. This is the shop mark.
 - Enter a 9-digit SPLC or use the lookup icon to search for a SPLC. This is the location where the application was performed (e.g., shop SPLC).
 - Enter additional components to the rows below as appropriate.
- Once you have entered all the appropriate fields and checked the boxes for the components to associate, select **Associate**.
 - If a component ID has been identified in a recall, a confirmation pop-up message is displayed (see example in [Exhibit 87](#)). The Component Details field provides the error or warning.

Select **Cancel** to change to a different component. Otherwise, select **OK** to install the recalled component.

- b. If the component has no warnings, the Associate Component tab is redisplayed with a success message ([Exhibit 108](#)). The **Reporter** field is populated. The **View Details** link opens a pop-up that shows the Component Details for the row selected (see example in [Exhibit 103](#)). Select **OK** to close it.

Exhibit 108. Successful Cushioning Unit Association

Associate Component
Upload CSV

Search for Equipment ID

Component(s) association request is accepted successfully.

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL7213

Search

Equipment Group: GOND
Lessee:
Equipment Type Code: E544

Mechanical Designation: GBSR
Truck Count: 2

Umler Owner: RAIL
Axle Count: 4
Stenciled Shipping Spec:

Select Component for Association

Component Type
CUSHIONING UNIT

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Cushioning Unit	B	8RIC0003491953	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Cushioning Unit	A								

Associate
Nullify
Cancel

- c. If the component was associated incorrectly, (e.g., wrong Equipment ID, or wrong position on equipment), the association can be nullified. See [Nullify an Association](#).
3. Select **Cancel** to return to the Associate Component tab or select another menu item.

View All

When **View All** is selected from the **Component Type** drop-down, all components associated with the equipment ID are displayed in the table below ([Exhibit 109](#)).

Exhibit 109. View All Associated Components for Equipment ID

Associate Component
Upload CSV

Search for Equipment ID

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL30085
Search

Equipment Group: VFLT Lessee: Equipment Type Code: V971
Mechanical Designation: FA Truck Count: 2
Umler Owner: RAIL Axle Count: 4 Stenciled Shipping Spec:

Select Component for Association

Component Type
View All

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Bolster	B	RAIL0000001212	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Side Frame	BL	RAIL0000001120	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Slack Adjuster	1	8RIC0003491770	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Wheelset	1	8RIC0003491952	09/26/2023	RAIL	411657000	RAIL	View Details		

Associate
Nullify
Cancel

View the details of each component by selecting the **View Details** link in the **Component Details** column (see example in [Exhibit 103](#)). Select **OK** to close it.

Nullify an Association

If it is determined that a component ID has been incorrectly applied to an equipment ID, the association can be nullified. To nullify large numbers of incorrectly or prematurely associated components, see [Upload Association](#) CSV. Use the following procedure to nullify an association:

1. Log onto Umler as described in [Logging In](#). The Umler Home page is displayed ([Exhibit 8](#)).
2. Select **Component Registry > Associate Component** from the Umler menu. The Associate Component tab is displayed (see example in [Exhibit 83](#)).
3. Enter the Equipment ID with the incorrect component, and select **Search**. The Associate Component to Equipment results is displayed ([Exhibit 110](#)).

Exhibit 110. Remove Component from Equipment

Select Component for Association

Component Type
View All

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☒	Bolster	B	RAIL0000001212	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Side Frame	BL	RAIL0000001120	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Slack Adjuster	1	8RIC0003491770	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Wheelset	1	8RIC0003491952	09/26/2023	RAIL	411657000	RAIL	View Details		

4. Select the checkbox to the left of the incorrectly associated component, and select **Nullify**. A confirmation pop-up is displayed ([Exhibit 111](#)).

Exhibit 111. Confirm Nullify

Confirmation

You are nullifying the current association(s) between component(s) and this equipment. Any previous associations will be restored. Do you want to continue?

5. If unsure about the nullification, select **Cancel**. Otherwise, select **OK** to nullify the association. You will be returned to the Associate Component tab with a success message ([Exhibit 112](#)).

Exhibit 112. Successful Association Nullification

Associate Component
Upload CSV

Search for Equipment ID

 The nullification request has been accepted and processed.

Note: Use Nullify only to remove an association that was entered incorrectly. Use Associate to associate a component to a piece of equipment.

Equipment ID
RAIL30085
Search

Equipment Group:	VFLT	Lessee:		Equipment Type Code:	V971
Mechanical Designation:	FA	Truck Count:	2		
Umler Owner:	RAIL	Axle Count:	4	Stenciled Shipping Spec:	

Select Component for Association

Component Type
View All

Components Associated to the Umler Record

Select	Component Type	Position From B End	AAR Component ID	Association Date	Performer	SPLC	Reporter	Component Details	Equipment ID in Conflict	Status
☐	Side Frame	BL	RAIL0000001120	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Slack Adjuster	1	BRIC0003491770	09/26/2023	RAIL	411657000	RAIL	View Details		
☐	Wheelset	1	BRIC0003491952	09/26/2023	RAIL	411657000	RAIL	View Details		

Associate
Nullify
Cancel

Note: If the nullification was for an incorrect position, the component ID can be entered into the correct position and a correct association completed as described in [Step 1](#). Likewise, a different component ID can be entered and associated.

6. Select **Cancel** to return to the Associate Component tab, or select another menu item.

Upload Association CSV

Uploads can be used to quickly submit many similar associations or to nullify large numbers of incorrectly or prematurely associated components. Users can upload association information from proprietary systems in an acceptable CSV format. Use the following procedure to upload an association CSV file:

1. Log onto Umler as described in [Logging In](#). The Umler Home page is displayed ([Exhibit 8](#)).
2. Select **Component Registry > Associate Component**. The Associate Component tab is displayed.
3. Select the **Upload CSV** tab. **Browse files to find an association CSV** is displayed ([Exhibit 113](#)).

Exhibit 113. Browse to Find CSV File

To prepare your file for upload, you can use the formatted Association CSV Template available on Railinc's [Component Tracking page](#). Select the **Retrieve csv format templates** link in the application and select the [CSV Templates zip file](#) in the **Related Documents** section to open or save the association template ([Exhibit 114](#)). For more information on preparing your file, see [CSV Association Upload File Preparation](#).

When your CSV file is properly prepared, upload the file.

4. Select the **Browse** button to locate a file on your computer upload.
5. Select the file and select **Open**. **Browse Files to Find an Association CSV** is redisplayed with the selected file.
6. Select **Submit**. A message is displayed. If the upload is successful, you'll receive a green message at the top letting you know if your file has been successfully submitted.
7. Check your email for a notification from the system with the status of the records you submitted.

If errors occurred in processing the file, those errors are identified by Component ID and field-by-field. These details can assist in correcting the upload file before uploading and submitting again.

8. Optionally, if the transactions for your uploaded records were successfully completed, check the equipment ID to verify a few records in the upload have been appropriately associated (see [Associate Component](#)).

CSV Association Upload File Preparation

Exhibit 114. Association CSV Upload Template (in Excel)

	A	B	C	D	E	F	G	H
1	TransactionType	ComponentType	EquipmentID	ComponentID	Position	AssociationDT	Performer	SPLC
2	CA	WHEELSET	RAIL0000000123	RAIL0000000101	1	6/7/2022	RAIL	411700000
3	CN	WHEELSET	RAIL0000000123	RAIL0000000101	1	6/7/2022	RAIL	411700000
4								

The fields are as described in the online Element Help and in the [Umler Component Tracking Data Specifications Manual](#) available on the [Umler product page](#). The Transaction Type indicates what action the user wants done for each row of information entered:

For component associations:

- **CA** = Associate Component
- **CN** = Nullify Component Association

- Notes:**
- A single upload file can contain both types of transactions.
 - Large text entries should not contain commas (which are interpreted as field delimiters). Use dashes or other keyable characters.
 - For more information, see [Umler Bulk Upload Transactions CSV File Specifications](#) and other resources available on the [Umler product page](#).

Component Association Transaction History

The history of component association transactions can be found using the Umler Transaction Log task. Use the following procedure to view historical component associations:

1. Log onto Umler as described in [Logging In](#). The Umler Home page is displayed ([Exhibit 8](#)).
2. Select **Query > Transaction Log**. The Transaction Log Search page is displayed ([Exhibit 115](#)).

Exhibit 115. Transaction Log Search Using Element Value Criteria

Search Transaction Log

Enter the starting and ending date/time to display transactions that fall between the date range.

In what format would you like your results?

Output to (CSV is a chargeable function) * Maximum Number of Results (Browser Output Only) *

Browser(Summary) 1000

Results will include transactions matching ALL of the following criteria

* At least one input is required:

Starting Date/Time

07/31/2023 12 01 ☒ AM ☐ PM

Ending Date/Time

08/01/2023 11 59 ☐ AM ☒ PM

☐ Search All Dates

Equipment ID(s)

Company-Specific Equipment Group(s)

Transaction Type(s): User ID(s)

Element Value Criteria:

Element Groups Element Transaction Value ☐ All Values

Element Groups Element Previous Value ☐ All Values

Results will include transactions matching ANY of the following Ownership/Control criteria#

☐ Show me all transactions on the equipment currently meeting the specified ownership/control criteria.

☒ Show me all transactions on the equipment that met the specified ownership/control criteria at the time of the transaction.

Equipment Initial(s) Umler Owner(s)

Umler Company Lessee

Stenciled Mark Owner

3. Set general search criteria as described in the [Umler User Guide](#).
4. To confine the results to component transactions, select one of the following from the **Element Groups** and **Element** fields:
 - **BOLSTER – Bolster on Truck and Bolster Component ID - B351**
 - **COUPLER – Coupler on Draft System and Coupler Component ID - B353**
 - **EMERVALVE – Emergency Brake Valve and Emergency Brake Value Component ID – B354**
 - **SERVVALVE- Service Brake Valve and Service Brake Valve Component ID – B357**
 - **SIDEFAME – Side Frame on Truck and Side Frame Component ID - B352**
 - **SLAKADJUST – Slack Adjuster and Slack Adjuster Component ID – B359**
 - **WHEELSET – Wheelset on Truck and Wheelset Component ID - B350**
 - **PRVALVE – Pressure Relief Valve and Pressure Relief Valve Component ID - B360**
 - **CUSHUNIT – Cushioning Unit and Cushioning Unit Component ID – B361**

An example of search results for wheelset components is shown in [Exhibit 116](#).

Exhibit 116. Transaction Log Search Results

Transaction Log Search Results

Search Criteria

Search Results

1249 matches found. 1000 available for display. 1000 matches displayed on this page.
The following transactions matched the specified search criteria.

Clear Filters

ID	TimeStamp	Equipment ID	EG	ETC	MD	Pool ID	Equip Owner	Lessee	Type	State	Company
183926943	10/01/2020 08:33 AM	RAIL0000001200	HOPP	C111	LO		RAIL	AARE	ECC	Normal	RAIL
184889747	10/29/2020 08:17 AM	RAIL0000010120	MISC	M280	MWG		RAIL		ECC	Normal	RAIL
185030132	11/03/2020 12:32 PM	RAIL0000002228	FLAT	M150	MWF		RAIL		ECD	Normal	RAIL
185030134	11/03/2020 12:32 PM	RAIL0000002230	BOXC	R300	RB		RAIL		ECD	Normal	RAIL
185030155	11/03/2020 12:32 PM	RAIL0000667788	FLAT	M150	MWF		RAIL		ECD	Normal	RAIL
185059482	11/04/2020 08:35 AM	RAIL0000110420	MISC	M280	MWG		RAIL		ECA	Normal	RAIL
185060065	11/04/2020 08:58 AM	RAIL0000018020	BOXC	R300	RB		RAIL		ECA	Normal	RAIL
185312818	11/12/2020 08:57 AM	RAIL0000661750	GOND	G510	GB		RAIL		ECC	Normal	RAIL
185312819	11/12/2020 08:57 AM	RAIL0000020895	GOND	G510	GB		RAIL		ECC	Normal	RAIL
186088475	12/08/2020 09:19 AM	RAIL0000002227	BOXC	R300	RB		RAIL		ECD	Normal	RAIL
186286867	12/10/2020 10:59 AM	RAIL0000001200	HOPP	C111	LO		RAIL	AARE	ECC	Normal	RAIL
188511571	02/22/2021 08:34 AM	RAIL0000000024	HOPP	C111	LO		RAIL	AARE	ECC	Normal	RAIL
189543037	03/17/2021 08:49 AM	RAIL0000000011	BOXC	R400	RB		RAIL		ECD	Normal	RAIL

5. To view the details of the transaction, select an **ID** link in the first column. The first transaction is shown in [Exhibit 117](#).

Exhibit 117. Component Transaction Details

Transaction Details

Transaction ID :	212271807	Equipment Group :	BOXC
Timestamp :	07/31/2023 4:34 PM	Mechanical Designation :	XP
Equipment ID :	RAIL0000726201	User :	SANDEEP
Equipment Type Code :	A405	Equipment Owner :	RAIL
Type :	ECC	Lessee :	
State :	Normal	EIN :	0010850044
Company :	RAIL		
Trans Source :	WEB_SERVICES		

Element ID	Element Name	Transaction Element Value	Previous Element Value	AC	Component ID	Component Location	Parent ID	Parent Location
B122	Last Update Date	07/31/2023	07/31/2023	E	BASE	1		
B355	Informational Conflict Status		Y	R	BASE	1		
				A	WHEELSET	D	TRUCK	A
B350	Wheelset Component ID	RAIL0034353485		E	WHEELSET	D	TRUCK	A

[< Previous](#)
[Done](#)
[Next >](#)

[Exhibit 117](#) shows a component ID with a null previous element value, so this transaction represents an association event.

6. Select **Done** to return to the search results, or select **Next** to view the next component transaction details ([Exhibit 118](#)).

Exhibit 118. Nullification Transaction Details

Transaction Details

Transaction ID :	212271630	Equipment Group :	BOXC
Timestamp :	07/31/2023 4:15 PM	Mechanical Designation :	XP
Equipment ID :	RAIL0000726201	User :	BSJXR02
Equipment Type Code :	A405	Equipment Owner :	RAIL
Type :	ECC	Lessee :	
State :	Normal	EIN :	0010850044
Company :	RAIL		
Trans Source :	WEB_SERVICES		

Element ID	Element Name	Transaction Element Value	Previous Element Value	AC	Component ID	Component Location	Parent ID	Parent Location
B350	Wheelset Component ID		RAIL0000726201	R	WHEELSET	1	TRUCK	B

[< Previous](#)
[Done](#)
[Next >](#)

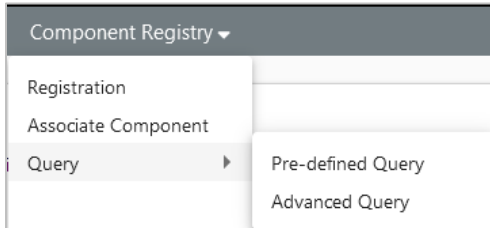
In [Exhibit 118](#), the Wheelset Component ID value is null, with a previous value of RAIL0000726201, which indicates that the association has been nullified.

7. Select **Done** to return to the search results or select another menu item.

Query

When the user selects **Query**, the Query submenu opens:

Exhibit 119. Query Submenu



The Component Registry Query menu has the following functions:

Exhibit 120. Component Registry Query Menu Functions

Pre-Defined Queries	Allows authorized users to execute standard queries (Exhibit 121).
Advanced Query	Allows you to prepare custom queries using multiple criteria with Boolean operators that can be saved, run, and edited. Refer to the Railinc Advanced Query User Guide accessed using the Advanced Query Documentation tab.

Pre-Defined Queries

Pre-defined queries can be used to identify:

- Components your company has registered (date range allowed)
- Components associated to your equipment (date range allowed)
- Components you have associated in the past 90 days

Results are always sent from Component Tracking as a zipped CSV file attached to an email. Use the following procedure to run a pre-defined query:

1. Log onto Umler as described in [Logging In](#). The Umler Home page is displayed ([Exhibit 8](#)).
2. Select **Component Registry > Pre-Defined Query** from the Umler menu. The Pre-Defined Query page is displayed ([Exhibit 121](#)).

Exhibit 121. Pre-Defined Query

Pre-defined Query

☐ Components I have Registered
☐ Components Associated to my Equipment
☐ Components I have Associated in last 90 days

Component Type:

Hold CTRL to select multiple component types

Date Range : 6/30/2023 To 7/31/2023

☐ Search All Dates
☐ Most Current Component Associated
☐ Query only recalled components

Equipment List :

"Components Associated to my Equipment" and "Components I have Registered" queries are limited to 50,000 components per request

3. Make your criteria selections. **Component Type** can be set to Bolster, Coupler, Cushioning Unit, Brake Valve Control Emergency, Pressure Relief Valve, Brake Valve Control Service, Sideframe, Slack Adjuster or Wheelset.
4. Select **Submit** ([Exhibit 122](#)).

Exhibit 122. Pre-Defined Query With Criteria

Pre-defined Query

☐ Components I have Registered
☒ Components Associated to my Equipment
☐ Components I have Associated in last 90 days

Component Type:

BOLSTER
 COUPLER
 CUSHIONING UNIT
 BRAKE VALVE CONTROL EMERGENCY

Hold CTRL to select multiple component types

☒ Search All Dates
☐ Most Current Component Associated
☐ Query only recalled components

Equipment List :

"Components Associated to my Equipment" and "Components I have Registered" queries are limited to 50,000 components per request

5. A success message is displayed ([Exhibit 123](#)).

Exhibit 123. Successfully Submitted Pre-Defined Query

Pre-defined Query

✓ Your request has been submitted for processing. Once processing is complete, you will receive a CSV file with query results. The message will be sent to your registered email address. ✕

☐ Components I have Registered
☒ Components Associated to my Equipment
☐ Components I have Associated in last 90 days

Component Type:

BOLSTER
 COUPLER
 CUSHIONING UNIT
 BRAKE VALVE CONTROL EMERGENCY

Hold CTRL to select multiple component types

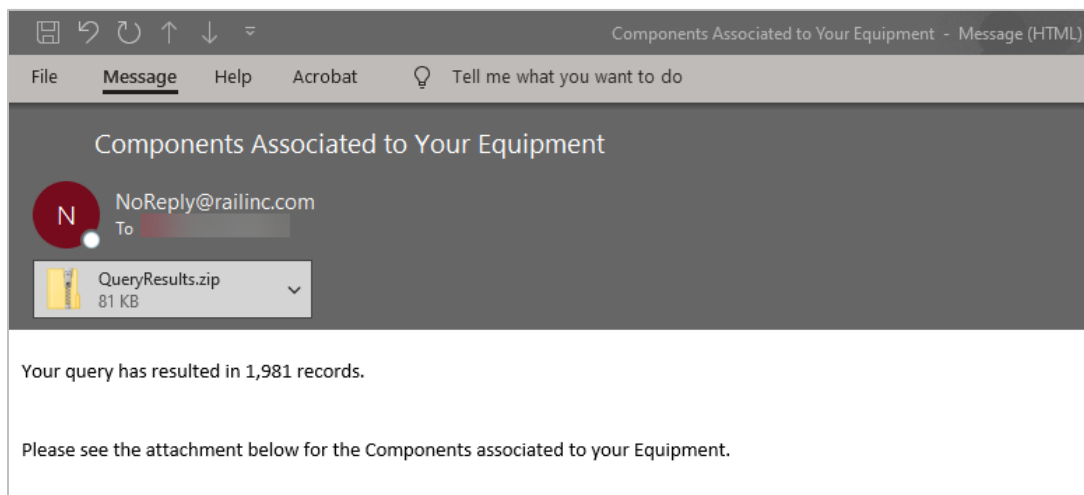
☒ Search All Dates
☐ Most Current Component Associated
☐ Query only recalled components

Equipment List :

✕

"Components Associated to my Equipment" and "Components I have Registered" queries are limited to 50,000 components per request

6. Component Tracking will send you an email that contains a .zip file ([Exhibit 124](#)).

Exhibit 124. Pre-Defined Query Results Email

7. Double-click the .zip file within the email to save or open it in a spreadsheet application like Excel.

Glossary

AAR—Association of American Railroads

Car Hire—Car Hire is a usage charge paid to car owners by railroads for the use of freight cars and appurtenances.

CEPM—Component Tracking was formerly named CEPM (Comprehensive Equipment Performance Monitoring). Components are registered in the Umler Component Registry, and associated to equipment using Component Tracking or through inputs from CRB and EHMS. The first component was wheelsets. Subsequently added components include bolsters, couplers, and side frames, etc.

Component ID—Uniquely identifiable information that includes 14 characters and is comprised of a company ID or Mark and up to 10-digit serial number. This component ID is the standard “AAR Component ID” that will be physically applied to the component during assembly.

CRB—Car Repair Billing.

EHMS—Equipment Health Maintenance System.

Equipment ID—Unique railcar equipment initials (mark) and equipment number, as registered in Umler.

LCS—Liability Continuity System.

SPLC—Standard Point Location Code.

Umler— The Umler system provides secure access for equipment management and reporting tools and identifies internal and external dimensions, capacities, weight information, and other specific characteristics of freight cars—as well as intermodal trailers and containers.