

# MD-115 Reports User Guide



7001 Weston Parkway, Suite 200  
Cary, North Carolina 27513

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Last Updated: August 2021

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## Overview

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### MD-115 Report

MD-115 Reports are submitted to Railinc for analysis with the goal of reducing mechanical service interruptions (derailments and other line of road failures) and increasing yard and shop efficiency.

The MD-115 Report must be submitted to Railinc within 15 days of wheel removal for each wheel removed for Why Made Codes 66, 68, 69, 71, 83, 85 and 1D.

Rule 41 in the *Field Manual of AAR Interchange Rules* establishes the minimum mechanical requirements for removing defective wheels. Refer to Rule 41 in the *Field Manual of the AAR Interchange Rules* for more information.

Mechanical Defects are overseen by the AAR's Wheel, Axle, Bearing and Lubrication Committee (WABL). If you have questions about completing Form MD-115, send an email to [wabl@aar.com](mailto:wabl@aar.com). If you experience technical difficulties with the electronic form, contact Railinc's Customer Success Center at [csc@railinc.com](mailto:csc@railinc.com) or 877-724-542.

### Accessing the Railinc Customer Success Center

The Railinc Customer Success Center provides reliable, timely, and high-level support for Railinc customers. Representatives are available to answer calls and respond to emails from 7:00 a.m. to 7:00 p.m. Eastern time, Monday through Friday, and provide on-call support via pager for all other hours to ensure support 24 hours a day, 7 days a week. Contact us toll-free by phone at 877-RAILINC (1-877-724-5462) or send an email directly to [csc@railinc.com](mailto:csc@railinc.com).

## Getting Started

MD Reports is accessed using the Railinc Single Sign-On (SSO), which is accessed from the Railinc portal at <https://public.railinc.com>. The SSO Login is located at the upper right of the screen.

## Register to Use Railinc SSO

For access to MD Reports and other Railinc applications, register to use Railinc Single Sign-On. Refer to the [Railinc Single Sign-On/Launch Pad User Guide](#) for information about the use of Railinc Single Sign-On.

Once SSO registration is complete, you request access to MD Reports within SSO.

## Requesting MD Reports Access

After you receive authorization to use Railinc SSO, you must request general access to MD Reports by following instructions in the [Railinc Single Sign-On/Launch Pad User Guide](#). To access MD Reports, select one or more of the available roles. Your level of access to the MD Reports is determined when you request access through Railinc Single Sign-On. [Exhibit 1](#) shows a complete list of available roles as seen in SSO.

**Exhibit 1. MD-115 Reports Applicable Permissions**

The screenshot shows a web interface for requesting MD Reports access. At the top, it says "MD Reports" and "Mechanical Defect Reporter". Below this is a progress bar with three steps: "1 Select Roles", "2 Confirm", and "3 Done". The "1 Select Roles" step is active. There are two role selection options, each with a checkbox and a "( MARK required )" label:

- MD-115 Manufacturer ( MARK required )  
MD-115 Manufacturer
- MD-115 Reporter ( MARK required )  
User responsible for submitting MD-115 forms

Below the role selection is a "Comments..." text area. At the bottom right, there are two buttons: a red "Return" button and a grey "Next" button. A small "0/255" character limit indicator is visible next to the "Next" button.

## MD-115 User Roles

Your assigned user role determines what functions you can perform. User roles are assigned by Railinc or by your company administrator through the Single Sign-On interface.

The following user roles can be assigned to users of MD-115 Reports, with the subsequently listed functions:

**MD-115 Manufacturer** - User can search and view manufactured parts from their company. This permission is approved by the MD Reports company admin.

- Search Reports
- View Reports

**MD-115 Reporter** - User can submit MD-115 forms on behalf of a company (reporter mark). This permission is approved by the MD Reports company admin.

- Submit Reports
- Search Reports
- View Reports
- Edit Reports
- Upload Images to Reports
- Delete Reports

**MD-115 Report Reviewer** - User can view and edit MD-115 reports belonging to his/her company (reporter mark).

- Search Reports
- View Reports
- Edit Reports
- Upload Images to Reports

**MD-115 Report Viewer** - User (WABL members) can view all submitted MD-115 reports.

- Search Reports
- View Reports

**MD-115 Report Editor** - User (TTCI) can edit all submitted MD-115 reports.

- Search Reports
- View Reports
- Edit Reports
- Delete Reports

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## Logging In

To log into the MD Reports:

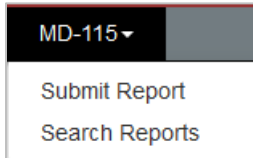
1. Open your internet browser and enter <https://public.railinc.com> to open the Railinc website.
2. Select the **Customer Login** link in the upper right of the page. The Account Access page is displayed.
3. Enter your **User ID** and **Password**. Select **Sign In**. The Railinc Launch Pad is displayed.

4. In **My Applications**, select **MD Reports**.
5. The MD Reports Home page is displayed. The menu items available differ depending on your role. [Exhibit 2](#) shows the menu items that support MD Reports functionality.

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## MD Reports Menu

*Exhibit 2. MD-115 Menu*



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## Logging Out

Select the **Sign Out** link in the upper right corner to end a MD Reports session. You are returned to the SSO Login Page.

# MD-115 Report

## Submit MD-115 Reports

You must be assigned to the MD-115 Reporter role to submit MD-115 Reports.

Use the following procedure to complete Form MD-115:

1. Log into the MD Reports as described in [Logging In](#). The MD Reports Home page is displayed ([Exhibit 2](#)).
2. From the menu bar, select **MD-115 > Submit Report**. The Submit MD-115 Report page is displayed.

### Exhibit 3. Submit MD-115 Report

### Submit MD-115 Defect Report

**\*Disclaimer-MD-115 Form**

**Instructions:** This report is to cover wheels which are removed for defects, represented by the following WHY MADE CODES 66, 68, 69, 71, 83,85 and 1D (see Field Manual of AAR Interchange Rules, Rule 41). All items should be completed. If the number or letters are illegible, please use "XX" where applicable. For MD-115 related comments or questions please send an email to [WABL@aar.com](mailto:WABL@aar.com). If you experience any technical issues, please call Railinc at 1-877-724-5462 or email [Customer Support](#).

#### Repair Key Information

Repair Key:

#### Reporter Contact Information

Name: \*  \* Indicates required field

Phone Number: \*

City: \*

Country: \*  State/Province: \*

Email: \*

Railroad/Company: \*

#### Equipment Details

Equipment Initial: * <input type="text"/>	Equipment Number: * <input type="text"/>
Kind of Equipment: * <input type="text"/>	
Date of Failure: * <input type="text"/>	Repair Date: * <input type="text"/>
Loaded/Empty: <input type="text" value="Unknown"/>	
Method of Detection: * <input type="text"/>	
Side of Equipment: * <input type="text"/>	Axle Location: * <input type="text"/>
Number of Equipment Derailed: <input type="text"/>	

Reporter Contact Information on this page is prepopulated based on information in your SSO profile. Changing your contact information for this report does not change the information in your SSO profile.

The **Railroad/Company** field is prepopulated with your MARK/Company ID for all roles except the Editor role. This field must be completed to proceed.

3. Complete all required fields (marked with a red asterisk).
4. To add attachments, select **Choose File** at the bottom of the Submit MD-115 Report page. It is recommended that you add at least three pictures of the failure and one picture of the locking plate. You can attach up to five files.
  - a. Attach files in the following formats: .JPG, .PNG, .GIF. There is a 10 MB size limit for each individual image.
  - b. Select **Remove** to remove an attached file from the form.
  - c. The recommended attachments are requested but are not required to submit Form MD-115.

**Exhibit 4. MD-115 Attachment**

**Attachments**

It is recommended your attachments include at least 3 pictures of the failure and 1 picture of the locking plate. The following formats are accepted: (.JPG, .PNG, .GIF) There is a 10MB size limit for each individual image. A maximum of five attachments are allowed.

Attachment File :  No file selected.

**Files Attached:**

File No.	File Name	Size	Action
1	P9010006.PNG	13.07 KB	<input type="button" value="Remove"/>

5. When you have completed the form, click **Submit**. A submission success/failure message is displayed.

**Exhibit 5. MD-115 Successful Submission**

**MD Report Submitted Successfully**

Thank you for submitting your MD Report. Please select the View button below to View/Edit/Print a copy of the completed form for your records. Select Cancel if you do not want to View/Edit/Print a copy. Note: You can return to the completed form to View/Edit/Print from the search screen.

6. Select **View** to View/Edit/Print a copy of the completed form for your records. Select **Cancel** if you do not want to View/Edit/Print a copy.



## Search MD-115 Reports

To search MD-115, you must be assigned to one or more of these roles: the MD-115 Reporter, MD-115 Report Reviewer, MD-115 Report Viewer or MD-115 Report Editor.

Use the following procedure to search for MD-115 Reports:

1. Log into the MD Reports as described in [Logging In](#). The MD Reports Home page is displayed (see [Exhibit 2](#)).
2. From the menu bar, select **MD-115 > Search Reports**. The **Search MD-115 Report** page is displayed.
3. Enter your search criteria. For example, select a defect type from the **Defect Type** drop-down field and click **Search**.

**Exhibit 6. Search MD-115 Reports**

The screenshot shows a web form titled "Search MD-115 Reports". The form contains the following fields and controls:

- Defect Type**: A dropdown menu.
- Equipment Numbers**: A large text input field.
- Created Date From** and **Created Date To**: Date input fields with calendar icons.
- Repair Date From** and **Repair Date To**: Date input fields with calendar icons.
- Repair Key**: A text input field.
- Reporting Mark**: A text input field.
- Failure Date From** and **Failure Date To**: Date input fields with calendar icons.
- Wheel Manufacturer**: A dropdown menu.
- Wheel Diameter**: A dropdown menu.
- Wheel Serial No**: A text input field.
- Show Only Defects with Augmented Data**
- Search** button (with magnifying glass icon) and **Reset** button (with refresh icon).

4. An example of search results are displayed in the image below.

**Exhibit 7. MD-115 Search Results**

### Search MD-115 Reports

Defect Type

Equipment Numbers

Created Date From

Repair Date From

Repair Key  Reporting Mark

Failure Date From

Wheel Manufacturer  Wheel Diameter

Wheel Serial No

Show Only Defects with Augmented Data

Total Items: 59092 | [Export to CSV](#)

Date of Failure	Equipment Initial	Equipment Number	Kind of Equipment	Journal Size	Defect Type	Wheel Serial Number	Wheel Manufacturer	Month Manufactured [MM]	Year Manufactured [YY]	Wheel Design Designation	Attachments	Details
2020-Oct-28	CRNX	0000953313	T	D	66	123	GL	11	12	CH	1	<a href="#">View</a>
0021-Jul-01	RAIL	0000000001	B	L	68	12345	E	02	94	CF	0	<a href="#">View</a>
0021-Jul-01	RAIL	0000000001	B	L	68	12345	E	02	94	CF	0	<a href="#">View</a>
2021-Jul-01	RAIL	0000000001	B	L	68	12345	E	XX	XX	CF	0	<a href="#">View</a>
0021-Jul-01	RAIL	0000000001	B	L	68	12345	E	02	08	CF	0	<a href="#">View</a>

- To view a report, click the **View** link for the appropriate row located in the **Details** column.

## Edit MD-115 Reports

To edit MD-115 Reports, you must be assigned to one or more of these roles: the MD-115 Reporter, MD-115 Report Reviewer or MD-115 Report Editor.

Use the following procedure to edit MD-115 Reports:

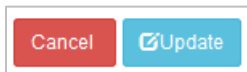
- Log into the MD Reports as described in [Logging In](#). The MD Reports Home page is displayed (see [Exhibit 2](#)).
- From the menu bar, select **MD-115 > Search Reports**. Search for reports as described in [Search MD-115 Reports](#).
- To open a report, click the **View** link for the appropriate row located in the **Details** column.
- Scroll to the bottom of the report and click **Edit**.

**Exhibit 8. MD-115 View Button Panel**



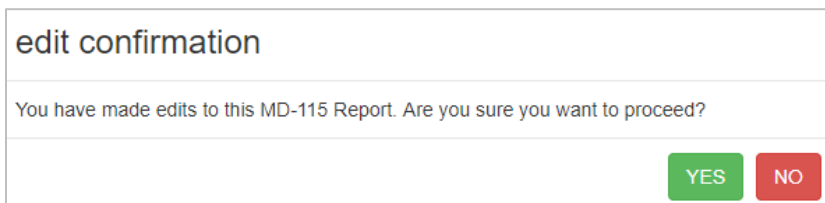
5. The Update MD-115 Report page displays. All fields are editable except for **Repair Key** and **Railroad/Company** (Reporter Mark).
6. Edit the necessary fields, then scroll to the bottom of the report. Click **Update**.

**Exhibit 9. MD-115 Update Button Panel**



7. An **Edit Confirmation** pop-up box appears. Click **Yes** to make the changes or **No** to cancel.

**Exhibit 10. MD-115 Edit Confirmation**



8. If you click **Yes**, a confirmation pop-up box appears to indicate the report has been successfully updated. Click **Close** to return to the updated report.

**Exhibit 11. MD-115 Update Success Message**



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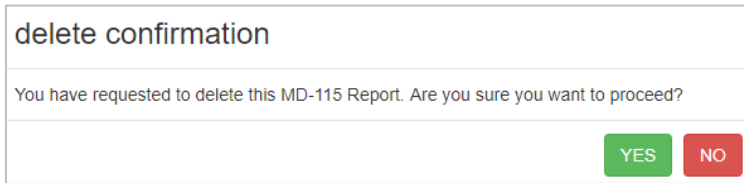
## Delete MD-115 Reports

You must be assigned to the MD-115 Reporter and/or MD-115 Report Editor roles to perform delete functions in MD-115 Reports.

Use the following procedure to delete MD-115 Reports:

1. Log into the MD Reports as described in [Logging In](#). The MD Reports Home page is displayed (see [Exhibit 2](#)).
2. From the menu bar, select **MD-115 > Search Reports**. Search for reports as described in [Search MD-115 Reports](#).
3. To open a report, click the **View** link for the appropriate row located in the **Details** column.
4. Scroll to the bottom of the report and click the **Delete** button ([Exhibit 8](#)).
5. A **Delete Confirmation** pop-up box appears. Click **Yes** to make the changes or **No** to cancel.

**Exhibit 12. MD-115 Delete Confirmation**



A dialog box titled "delete confirmation". The main text reads: "You have requested to delete this MD-115 Report. Are you sure you want to proceed?". At the bottom right, there are two buttons: a green "YES" button and a red "NO" button.

6. If you click **Yes**, a confirmation pop-up box appears to indicate the report has been successfully deleted. Click **Close** to return to the Search Report page.

**Exhibit 13. MD-115 Delete Success Message**



A message box titled "MD Report Delete". The text inside says "MD Report Deleted Successfully.". At the bottom right, there is a blue "Close" button.

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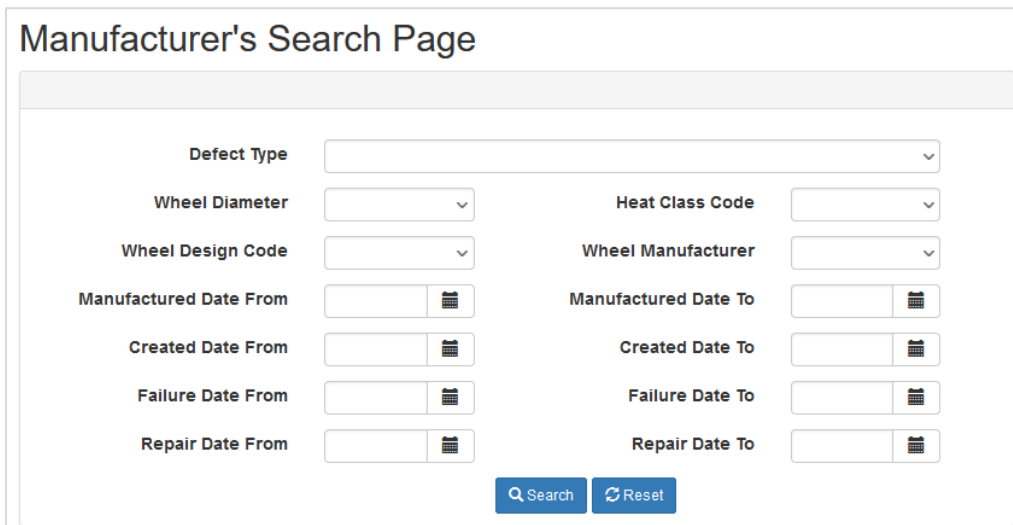
## Manufacturer's Search Page

To search MD-115, you must be assigned to one or more of these roles: the MD-115 Reporter, MD-115 Report Reviewer, MD-115 Report Viewer or MD-115 Report Editor.

Use the following procedure to search for MD-115 Reports:

1. Log into the MD Reports as described in [Logging In](#). The MD Reports Home page is displayed (see [Exhibit 2](#)).
2. From the menu bar, select **MD-115 > Manufacturer's Search Page**. The **Manufacturer's Search Page** is displayed.
3. Enter your search criteria. For example, select a defect type from the **Defect Type** drop-down field and click **Search**.

**Exhibit 14. MD-115 Manufacturer's Search Page**



The "Manufacturer's Search Page" interface. It features a search form with the following fields: "Defect Type" (a dropdown menu), "Wheel Diameter" (a dropdown menu), "Wheel Design Code" (a dropdown menu), "Manufactured Date From" (a date input with a calendar icon), "Created Date From" (a date input with a calendar icon), "Failure Date From" (a date input with a calendar icon), "Repair Date From" (a date input with a calendar icon), "Heat Class Code" (a dropdown menu), "Wheel Manufacturer" (a dropdown menu), "Manufactured Date To" (a date input with a calendar icon), "Created Date To" (a date input with a calendar icon), "Failure Date To" (a date input with a calendar icon), and "Repair Date To" (a date input with a calendar icon). At the bottom of the form are two buttons: a blue "Search" button and a blue "Reset" button.

4. The Search returns data for all MD-115 parts from your company for the selected Defect Type.
5. To view the details of a part, click on the **View** link located in the **Details** column of the Search Results.
6. Select **Export to CSV** to export the results list to a file.