

RoadRailer

***Simulations***



**SD40-2 Leasers Pack  
Volume 1 Manual**

# Notice Before Installing

This repaint pack requires the BNSF Locomotive Pack add-on, available on Steam here:

**<http://store.steampowered.com/app/222581/>**

See "Installation" for instructions on how to install this pack.

The SD40-2 Leasers Pack Volume 1 comes with a VBScript (SD40LeaserVol1GEO.vbs) that copies the GEO files from the default folders to the respective repaint folders. **The GEO files DO NOT come with the pack itself, as having it come with them involves piracy, which we tend to avoid.**

Before you begin installation, it is recommended that you backup your Railworks folder in case something goes wrong. Follow the instructions carefully, to ensure a smooth installation.

# Installation

**This repaint pack requires the BNSF Locomotive Pack add-on, available on Steam here:**

**<http://store.steampowered.com/app/222581/>**

To install this repaint pack, launch the TS Utilities program from the Railworks directory (located in C:\Program Files (x86)\Steam\SteamApps\common\RailWorks). If the system asks for permission by User Account Control, allow it.

Under the Package Manager tab, click "Install". Locate the file SD40LeaserVol1.rwp in the "Installation Files" folder, and then click "Open". The repaints (without the GEO files) and the bell and horn mods will be installed automatically.

The next part of the installation is to copy the default engine and cab view GEO files from the default SD40 folders and paste them into the respective repaint folders. Thanks to RWA member Chacal, he was kind enough to create a VBScript that'll do the "copy and paste" process for you, so manual installation is no longer necessary.

Locate the SD40LeaserVol1GEO.vbs script in the "Installation Files" folder (a Read Me is included with it), and then run it. Upon running, the script will first ask for your Railworks directory (By default, it is C:\Program Files (x86)\Steam\SteamApps\common\RailWorks). Once you confirm the correct directory, the script will automatically copy the GEO files from the default folders to their respective repaint folders (FURX\_exBN, FURX\_exBNSF, HLCX\_exBN, HLCX\_exBNSF, HLCX\_8070). If successful, you should get a "Success" message. If not, you will get a "Failed" message, and an option to look at the log to find out what went wrong.

To make sure installation was successful, launch Railworks (with the Steam launcher), go to Build, and under the Scenario tab, select the route you desire, and then click "New Scenario".

In the browser panel, click on the "Object Set Filter" button. On the right of the screen, click the roll out menu, and from there, click "RSC". Click the SD40BnPack02 and SD40BnsfPack01 checkboxes. Under the Engines & Tenders category in the Browser panel on the left, the SD40 Leasers should be named *[RRS] FURX/HLCX (ex-BN)/(ex-BNSF)/8070 SD40-2*. Click on any variation of it and place it on the track. If the locomotive shows up in-game and it shows the correct textures, then you've successfully done it. Enjoy the repaint!

# Information

The EMD (Electro-Motive Diesel) SD40-2 was originally built from January 1972 to July 1984 in the United States, February 1986 in Mexico, 1988 in Canada, and October 1989 in Brazil. The locomotive was similar to the original SD40, but with some electrical improvements. Despite other high-powered EMD locomotives made during this time, the reliability and versatility of the 3,000-horsepower engine made this the best-selling model in EMD's history. Today, most of them are still in service, either original or rebuilt. Burlington Northern was the largest buyer of SD40-2's, with over 830 units acquired, larger than Union Pacific alone (not counting mergers). Most of them remain in service on the BNSF today.

During the first few years in the 20th century, BNSF sold off some of their fleet of former BN units to leaser companies, notably First Union Rail (now Wells Fargo Rail), and Helm Leasing, in which they remained in service there for quite some time. However, most (if not all) former BN units from First Union, were sold to other railroads, sold to National Railway Equipment, or scrapped. As for Helm's ex-BN units, some of them remain in service today, but some were later sold to other railroad companies, or scrapped. The most notable Helm ex-BN unit is 8070, which was built as BN 8070, which later passed onto BNSF in a unique patched scheme, before being sold to Helm in around 2011. Today, the locomotive is no longer in the hands of Helm, but now in the hands of the Genesee and Wyoming's Dallas Garland & Northeastern as 3495, where it remains in service today.

## Locomotive Specifications:

**Builder:** General Motors Electro-Motive Division (EMD)

**Prime Mover:** EMD 645-E3 16-cylinders

**Power Output:** 3,000 HP (2,240 kW)

**Weight:** 368,000 lbs

**Length:** 68ft and 10in

**Braking:** Dynamic and Air Braking

**Maximum Speed:** 65 MPH

*(Sources: TheDieselShop and Wikipedia)*



# Included Repaints



**First Union Rail (FURX) ex-BN SD40-2 (Driver and No Driver Variations)**



**First Union Rail (FURX) ex-BNSF SD40-2 (Driver and No Driver Variations)**

# Included Repaints



**Helm Leasing (HLCX) ex-BN SD40-2 (Driver and No Driver Variations)**



**Helm Leasing (HLCX) ex-BNSF SD40-2 (Driver and No Driver Variations)**



# Included Repaints



**Helm Leasing (HLCX) 8070 SD40-2 (Static Repaint; Driver and No Driver Variations)**

# Scenarios

(all scenarios require the Chicago Racetrack route, BNSF SD40-2 add-on, and SD40-2 Leasers Pack Vol. 1 in order for them to work.)

## 1. The Final Minutes

**Description:** It is a cloudy Autumn day in 2008, and you are about to reach the end of your journey to take some empty hopper cars from the Joilet Powerplant to Cicero Yard. You had to stop at Western Ave. for the time being due to another train, but now you are ready to finish up your journey to Cicero Yard, with a bunch of trains to see along the Racetrack. Your power are two FURX (ex-BNSF) SD40-2s running elephant style.

*NOTE: If you get a "Scenario failed to load" message, press the F2 key.*

**Difficulty:** Easy

**Duration:** 15 Minutes



## 2. The Mainline Local

**Description:** It is a rainy Summer day in 2011, and you are the engineer of the Eola-Cicero local, doing some quick yard duties in the local area. Today, you will be making a run to Naperville to do some quick jobs, before heading towards Downers Grove where you'll have to wait for the dispatcher. Your power are two HLCX leaser locomotives: #8081 (ex-BNSF) and #8072 (ex-BN) respectively.

**Difficulty:** Hard

**Duration:** 45 Minutes





# Scenarios

(all scenarios require the Chicago Racetrack route, BNSF SD40-2 add-on, and SD40-2 Leasers Pack Vol. 1 in order for them to work.)

## 3. Working the Industries

**Description:** It is a clear Winter day in 2005, and you are the engineer of FURX #7928, an ex-BN SD40-2 leased to the BNSF, assigned for switching duties in Montgomery, IL. Today you will be shunting around at a couple various industries around Montgomery.



*NOTE: Throughout the entire scenario, you'll need to manually switch junctions, and you'll need to ask for permission to enter into the sidings using TAB (forward) and CTRL+TAB (backward) respectively. This is a very difficult scenario, so try your best!*

**Difficulty:** Very Hard

**Duration:** 70 Minutes

## 4. 8070 To The Rescue

**Description:** It is a cloudy Summer day in 2014, and you are just about to finish your freight shift with HLCX (ex-BN) SD40-2 #8070 leading. However, you get a surprise call from the engineer of Metra Train 1247, saying that their train's engine broke down and will need a backup to help run their train for the day. Seeing that this would be the perfect opportunity, you simply couldn't resist. As the best way to end your shift for the day, you will take a broken-down Metra Train 1247 from Cicero to Aurora, with #8070 leading the way.



**Difficulty:** Medium

**Duration:** 55 Minutes

# Credits

## **Repaints Developed by**

Sage Stevenson

## **Scenarios Developed by**

Sage Stevenson

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## **Special Thanks To**

Our Beta Testers

Railworks America

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