

RoadRailer

***Simulations***



# Canadian National C40-8 Repaint Pack Manual

# Notice Before Installing

This freeware pack requires the Norfolk Southern Dash 8-40C Loco add-on,  
available on Steam here:

[http://store.steampowered.com/app/277732/  
Train\\_Simulator\\_Norfolk\\_Southern\\_Dash840C\\_Loco\\_AddOn/](http://store.steampowered.com/app/277732/Train_Simulator_Norfolk_Southern_Dash840C_Loco_AddOn/)

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

The CN C40-8 Repaint Pack comes with a VBScript (CNDash8GEO.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 freeware pack requires the Norfolk Southern Dash 8-40C Loco add-on, available on Steam here:**

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## Installing the RWP File

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 CNDash8.rwp in the "Installation Files" folder, and then click "Open". The repaints (without the GEO files) and the horn and bell mods will be installed automatically.

## Copying the GEO Files

The next part of the installation is to copy the default engine and cab view GEO files from the default Dash 8 folders and paste them into the respective repaint folders. Included in the package is a VBScript file that'll do the "copy and paste" process for you, so manual installation is not necessary. **However, because the NS Dash 8 add-on assets are stored in an .AP file, the installation process becomes a bit more difficult, at least for newcomers. So, you'll need to extract the Dash8Pack01Assets AP file before going any further.**

First, you'll need to change the Dash8Pack01Assets.ap file into an ordinary zip file by renaming the file extension from **.ap** to **.zip**. Then, extract the ZIP file. With the entire Dash8Pack01Assets folder extracted, you can rename the ZIP file back to an AP file.

Locate the CNDash8GEO.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 (CN, CN2, CN15Y). 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.

With the GEO files successfully copied over, you can now delete the extracted folder.

# Installation (continued)

This freeware pack requires the Norfolk Southern Dash 8-40C Loco add-on, available on Steam here:

[http://store.steampowered.com/app/277732/  
Train\\_Simulator\\_Norfolk\\_Southern\\_Dash840C\\_Loco\\_AddOn/](http://store.steampowered.com/app/277732/Train_Simulator_Norfolk_Southern_Dash840C_Loco_AddOn/)

## Using the Repaints

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 "DTG". Click the Dash8Pack01 checkbox. Under the Engines & Tenders category in the Browser panel on the left, the CN C40-8's should be named *[RRS] Canadian National C40-8*. 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!

# C40-8 (Dash 8-40C) Information

The General Electric Dash 8-40C (C40-8) was originally built from 1987 to 1992. It was the successor to the C39-8, which had a standard cab and a 3,900 horsepower 7FDL-16 engine, but was unpopular with railroad crews. The C40-8 was similar to the C39-8, only with slightly more horsepower than its predecessor.

In total, approximately 560 units were built during its production run. The Union Pacific were the largest buyer of C40-8's with over 250 units; other buyers being CSX Transportation (CSX) with over 130 units, Chicago and North Western (CNW) with 77 units (these CNW C40-8's were later upgraded with 4,100 horsepower engines, known as the C41-8), Norfolk Southern (NS) with 75 units, and Conrail (CR) with 25 units.

In 2010, CN acquired 35 former CNW locomotives from UP, and numbered them into the 21xx series. 3 years later, CN acquired the 42 former CNW units, and numbered them to the 20xx series. 6 CN C40-8s were painted for the 15th anniversary of their privatization. In 2016, Pan Am Railways acquired 20 former CSX C40-8s.

## **Locomotive Specifications:**

**Builder:** GE Transportation Systems (GE Rail)

**Prime Mover:** GE 7FDL-16

**Power Output:** 4,000 HP (3,000 kW)

**Weight:** 391,600 lbs

**Length:** 70ft and 8in

**Braking:** Dynamic and Air braking

**Maximum Speed:** 70 MPH

**Known Feature(s):** None

*(Sources: TheDieselShop and Wikipedia)*

# Included Repaints



**Canadian National C40-8 (20xx) (Driver and No Driver Variations)**



**Canadian National C40-8 (21xx) (Driver and No Driver Variations)**

# Included Repaints



**Canadian National C40-8 "15 Years" (Driver and No Driver Variations)**

# Scenarios

(all scenarios require the Canadian Mountain Passes route, Norfolk Southern Dash 8-40C add-on, and the Canadian National C40-8 Repaint Pack.)

## **1. Grain to Revelstoke Pt. 1**

**Description:** This scenario is a brief introduction to the General Electric C40-8 locomotive. Once you are familiar with it and Canadian National's lineup of C40-8 locomotives, you will be in charge of taking a grain train from Golden Yard to Revelstoke, but will you be able to make it or will harsh winter conditions cause issues along the way? This is Part 1 of a multi-part series of scenarios called "Grain to Revelstoke".

**Difficulty:** Hard

**Duration:** 35 Minutes



## **2. Grain to Revelstoke Pt. 2**

**Description:** You are the engineer of a CN Grain train heading towards Revelstoke, and you've begun your trip from Golden Yard, but stopped at Forde due to malfunctioning signals caused by the harsh winter conditions. In this scenario, you continue your journey to Revelstoke through Canada's wintry lands.

**Difficulty:** Medium

**Duration:** 40 Minutes



## **3. Racing Through the Mountains**

**Description:** You are the engineer of a CN manifest bound for Vancouver down the mountains and into Revelstoke. You have stopped at Albert Canyon due to another train on the same track, but now you should be ready to get moving again. During your run, a CP Intermodal is heading towards Revelstoke as well on the other track, racing your consist.

**Difficulty:** Medium

**Duration:** 30 Minutes



# Credits

**Repaints Developed by**

Sage Stevenson

**Scenarios Developed by**

StevenJam

**Special Thanks To**

Our Beta Testers

Railworks America

Brian Meyers (K3H Horn from his Mega Horn Pack on RWA)

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