



SD40-2 Independence

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Version 1.0

1 Background

1.1 SD40-2 #3300

Union Pacific Jenks Locomotive Shops in Arizona painted SD40-2 3300 in 1994 to celebrate Union Pacific's commitment to the United Way program. This vibrant, one of a kind paint scheme of red, white and blue stars and stripes joins the ranks of the many custom painted preserved UP locomotives that have supported good causes and associations over the years.

1.2 EMD SD40-2

Introduced between 1972 and 1986, General Motors Electro- Motive Diesel (EMD) produced the SD40-2 as a 3,000 horsepower model as an upgrade from the SD40. Although not as powerful as some rival locomotives in the same Class, the SD40-2 features modular electronic control systems, making it significantly more reliable and economical than its competitors.

With almost 4,000 units built for 29 Railroad companies, the SD40-2 is one of the best selling locomotives of all time. The British Class 59 is even derived from the processes and experience learned from the SD40-2.

The SD40-2 shares the same basic superstructure as the SD38-2 as it uses the same 16-645E3 engine (with turbo charging modifications). The Dash 2's (-2) also have longer front and rear 'porches' than other models, making for distinguishing features when comparing locomotives. Other alterations from previous designs are that there are three radiator fans mounted on the roof, where previously there were only two and a single exhaust stack instead of two smaller stacks.

2 Rolling Stock

The following rolling stock is provided in the SD40-2 Independence Pack:

2.1 SD40-2 Independence locomotive

Appearing as “SD40-2 Independence” in the browser list.



2.2 Tank Car

Appearing as “SD40UW 16,000gal Silver” in the browser list.



2.3 Box Car

Appearing as “SD40UW Box Car UP Brown” in the browser list.



2.4 Covered Hopper

Appearing as “SD40UW Hopper 3-Bay White” in the browser list.



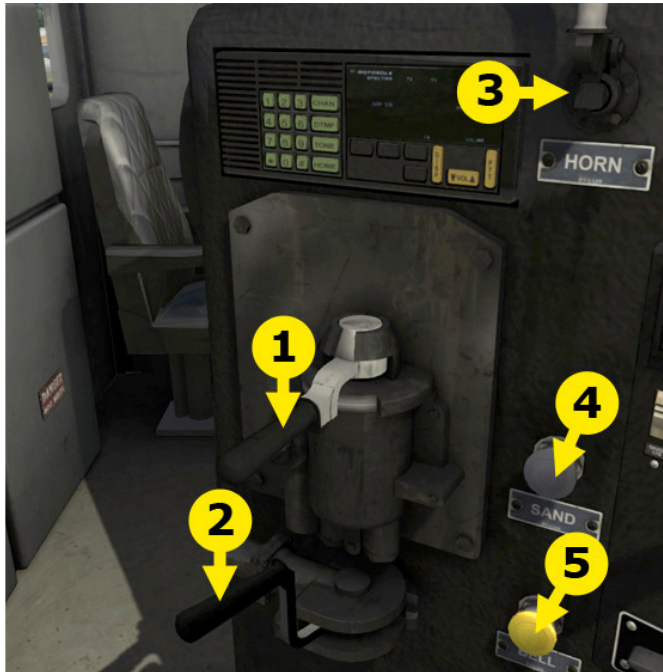
2.5 Gondola

Appearing as “SD40UW UP Low Gondola” in the browser list.



3 Cab Controls

3.1 Cab Controls



1. Train Brake
2. Locomotive Brake
3. Horn
4. Sander
5. Bell
6. Dynamic Brake
7. Power Handle

8. Reverser
9. Step Lights
10. Wiper Control
11. Headlights
12. Cab Light
13. Engine Start and Stop

4 Scenarios

4.1 UP 3300 Engineer Training

- Rating Easy
- Duration 20 mins
- Type Standard

Climb aboard Union Pacific's special-liveried SD40-2 3300 and learn how to operate the unit, then take a run to Laramie Cement to make a pickup.

4.2 Second Section Stack

- Rating Medium
- Duration 45 mins
- Type Standard

Container traffic is brisk and today's Denver-Los Angeles stack train is running in two sections. You are the engineer of the second section and you're riding the yellow and red signals of the first section. You are stopped for a red at Perkins just east of Dale Jct., but will be rolling westward again momentarily. You're going to need be attentive and expect some delays. Your power is a trio of EMD SD40-2s.

4.3 Working Wycon

- Rating Hard
- Duration 55 mins
- Type Standard and Career

You are the engineer of a Cheyenne-Wycon-Cheyenne local turn that has arrived at the massive Wycon fertilizer plant. You'll be gathering the cars for your return trip from around the plant facility, then hauling the consist back to Cheyenne. Your brakeman is going to get rather wet, because the weather is quite poor. Your power is a pair of veteran EMD SD40-2s.

5 Credits

The team at Railsimulator.com would like to thank the following:

Ricardo Rivera
Gary Dolzall
All our dedicated Beta Testers