



GP38-2 Burlington Northern Santa Fe

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 EMD GP38-22

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Version 1.0

1 Background

EMD GP38-2

The EMD GP38-2 is a four-axle diesel-electric road switcher type locomotive built by General Motors, Electro-Motive Division. Part of the EMD Dash 2 line, the GP38-2 was an upgraded version of the earlier GP38. Power is provided by an EMD 645E 16-cylinder engine, which generates 2000 horsepower (1.5 MW). Most units remain in service.

The GP38-2 differs externally from the earlier GP38 only in minor details. Its most distinctive identifying feature is the cooling water level sight glass on the right side of the long hood. The battery box covers of the Dash 2s are bolted down instead of hinged. The GP38-2 is available with either a high-short-hood, common on Norfolk Southern units, or a low-short-hood, which is found on most other railroads.

A total of 2213 units were built. 1,799 examples were built for American railroads and industrial concerns, 257 for Canadian railroads and industrials, 156 for Mexican railroads and industrials, and 1 export unit for the Saudi Government Railways.

2 Rolling Stock

The following two liveries are provided in the BNSF GP38-2 pack:

2.1 GP38-2 Burlington Northern

Appearing as "EMD GP38-2 BN" in the browser list.



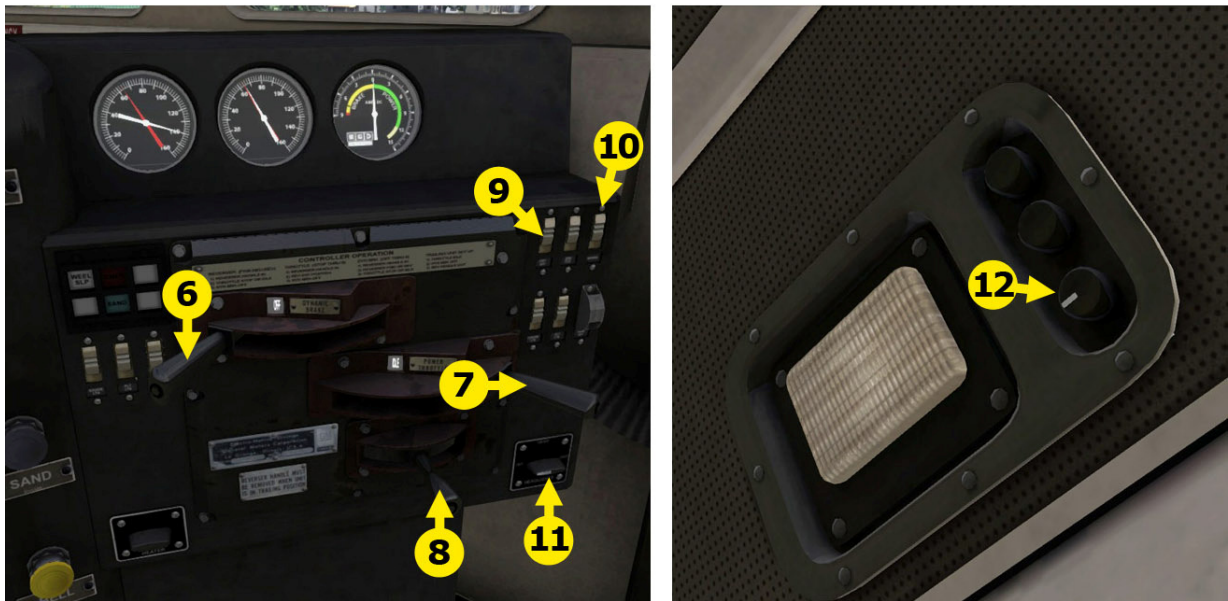
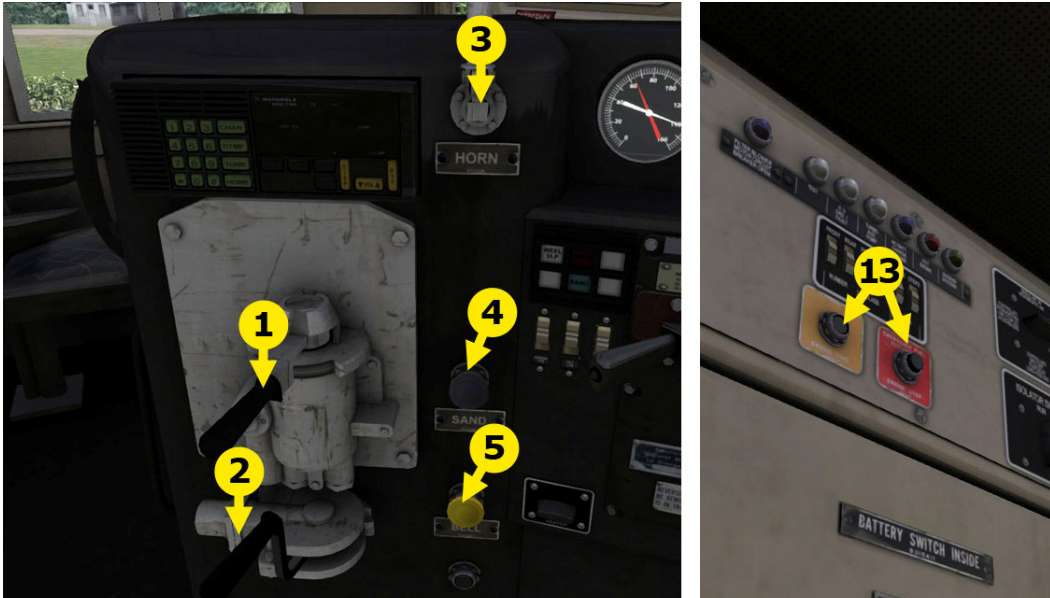
2.2 GP38-2 Burlington Northern Santa Fe

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3 Cab Controls

3.1 Cab Controls



1. Train Brake
2. Locomotive Brake
3. Horn
4. Sander
5. Bell
6. Dynamic Brake
7. Throttle
8. Reverser
9. Step Lights
10. Wipers
11. Headlights
12. Cab Light
13. Engine Start and Stop

4 Scenarios

4.1 BNSF GP38-2 Engineer Training

- Rating Easy
- Duration 20 mins
- Type Standard

Learn how to operate the EMD GP38-2 - one of North America's most successful diesels with more than 2,200 units constructed - on a run from Whitefish Yard to Half Moon Lumber.

4.2 Essex Work Train

- Rating Medium
- Duration 55 mins
- Type Standard

Essex, MT has been long notable as the helper station on the western slope of Marias Pass. Essex is also a regular base for work trains on the pass and today you are the engineer of a work train assigned to take a load of ballast and other MOW equipment from Essex to Marias Summit. Your power is a set of Burlington Northern EMD GP38-2s.

4.3 Shelby Second Trick

- Rating Hard
- Duration 70 mins
- Type Standard and Career

You have been called as the engineer for the Shelby Second Trick and today you'll be handling local switching and yard work at Shelby, then making a run with empty covered hoppers to Cut Bank. Your power is a pair of BNSF EMD GP38-2s that are waiting next to the Shelby depot.