



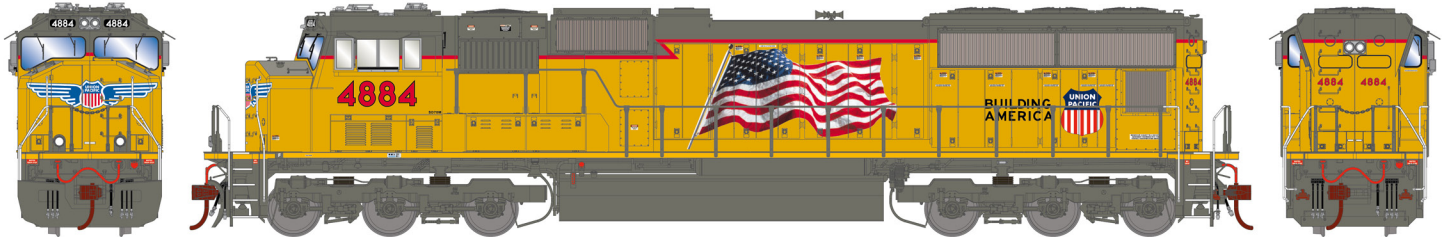
HO SD70 Series Diesel Locomotive

Announced 03.27.20
Orders Due: 04.24.20

ETA: March 2021

Union Pacific* - SD70M

Photo - Craig Walker



Era: 2012+

HO SD70M, UP Early Flare #4884
HO SD70M, UP Early Flare #4870
HO SD70M, UP Early Flare #4944
HO SD70M, UP Late Flare #5068
HO SD70M, UP Late Flare #5119

without Sound

ATHG70559
ATHG70560
ATHG70561
ATHG70562
ATHG70563

with Sound

ATHG70659
ATHG70660
ATHG70661
ATHG70662
ATHG70663

UP FEATURES:

- 2 Panel flared grilles
- Yellow sill
- PTC antenna

- UP style plow
- front ditch lights
- late EMD "radial" trucks

ROAD NUMBER SPECIFIC FEATURES:

- #4884 UP 4884 was used in 2014 to pilot UP Steam Big Boy 4014 to Cheyenne, Wyoming



Era: 2012+

Electro-Motive Leasing - SD70M



Era: 1995+

HO SD70M, EMDX Maroon/Silver #7003
HO SD70M, EMDX Maroon/Silver #7006
HO SD70M, EMDX Maroon/Silver #7017
HO SD70M, EMDX Maroon/Silver #7020

without Sound

ATHG70555
ATHG70556
ATHG70557
ATHG70558

with Sound

ATHG70655
ATHG70656
ATHG70657
ATHG70658

Delivered in 1995 as part of EMD's lease fleet, these units roamed on many different railroad's before being sold to CSX in the early 2000's. Most notably, they were seen leased to SP and UP in their early years and put through just about any service the railroads could throw at them. This version depicts the "as-built" appearance.

EMD FEATURES:

All units: As delivered, large EMD plow, front ditch lights, Nathan P-3 horn, early EMD "radial" trucks.

w/o Sound \$229.98 SRP With **Tsunami²** Sound \$319.98 SRP

These items are subject to Horizon's MAP policy
* Union Pacific Licensed Product



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CSX - SD70M



Era: Early 2010s+

HO SD70M, CSX/Yn3 #4677
HO SD70M, CSX/Yn3 #4689
HO SD70M, CSX/Yn3 #4696
HO SD70M, CSX/Yn3 #4699

without Sound

ATHG70564
ATHG70565
ATHG70566
ATHG70567

with Sound

ATHG70664
ATHG70665
ATHG70666
ATHG70667

CSX FEATURES:

- Ex EMDX lease units

ROAD NUMBER SPECIFIC FEATURES:

- #4677 Ex-Demo 7002; White cab roof, rear number boards, mis-matched sunshades, faded 'Lightning Bolt' on cab side, small EMD plow.
- #4689 Ex-EMD Lease unit. Blue cab roof, CSX-style GPS Dome, Large EMD plow.
- #4696 Ex-EMD Lease unit. White cab roof, CSX-style GPS Dome, Large EMD plow.
- #4699 Ex-EMD Lease unit. White cab roof, CSX-style GPS Dome, Large EMD plow.



Era: Late 2000s+

Canadian National - SD70I



HO SD70I, CN #5606
HO SD70I, CN #5617
HO SD70I, CN #5620
HO SD70I, CN #5624

without Sound

ATHG70568
ATHG70569
ATHG70570
ATHG70571

with Sound

ATHG70668
ATHG70669
ATHG70670
ATHG70671

CP FEATURES:

- CN "website" scheme
- CN style plow
- Correct trucks per road number
- Forward and reverse ditch lights
- Nathan K3L horn

Era: 2006+

ROAD NUMBER SPECIFIC FEATURES:

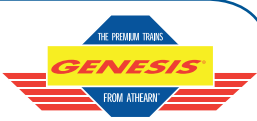
- #5606/#5617 Early EMD trucks
- #5620/#5624 Late EMD trucks

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All Railroads

SOUND EQUIPPED MODELS ALSO FEATURE

- Onboard DCC decoder with SoundTraxx Tsunami2 sound
- Sound units operate in both DC and DCC
- Full DCC functions available when operated in DCC mode
- Engine, horn, and bell sounds work in DC
- All functions NMRA compatible in DCC mode
- Precision slow speed control
- Program a multiple unit (MU) lashup with lead unit only horn, bell, and lights
- Many functions can be altered via Configuration Value (CV) changes
- CV chart included in the box

PROTOTYPE SPECIFIC INFORMATION

Continuing upon the successful SD60-series, in 1992 EMD debuted the next step in locomotive evolution with the SD70-series. While outwardly similar at first glance to the SD60M, the D.C.-drive SD70M featured several external design refinements from the predecessor model. Battery boxes were relocated to the left-hand side walkway immediately behind the cab, a large, boxy forward traction motor blower housing replaced the angular version used on SD60s, the raised walkway duct on the left hand walkway was eliminated, and an intake for the rear traction motor blower on the left hand side of the carbody, directly under the rear radiator intake grill, was added.

Internally, the SD70 boasted improvements as well; a 16-710GB prime mover, rated at 4,000hp, was coupled to a new alternator design, the AR20. New D70TR traction motors were standard, and controlling all of this power and locomotive function was EMD's new EM2000 microprocessor, which boasted more memory, twice the processing speed, and improved locomotive self-diagnostic capabilities compared to the processor suite used in the SD60. Even more revolutionary was the inclusion of EMD's patented "Radial" truck design, the HTC-R. This design, which made its debut under EMD Demo SD60 #3, replaced the venerable HT-C truck, and is unique in its ability to shift, or "steer", the wheelsets laterally through curves, resulting in greatly reduced wheelset and track wear, and coupled with the new D70TR traction motors and EM2000 microprocessor, greatly improved adhesion.

Continuing with previous practice, EMD built a set of Demonstrator SD70Ms, EMD 7000-7002, all equipped with the North American safety-cab (hence the "M" in their model designation), and decked out in an attractive gray, silver, and burgundy paint scheme. These units travelled all over North America, showing off the latest technology from EMD. Southern Pacific, Union Pacific and eventually Norfolk Southern would sign up for the SD70M models. Although NS started out with the "Spartan" cab SD70, they eventually returned for the SD70M model. By 2004 the SD70M began to be delivered with the familiar "flared" radiator grilles. Both NS and UP have examples of these locomotives on their roster, and you can still find most of the entire fleet of SD70Ms in regular service today.

LOCOMOTIVE FEATURES:

- Fully-assembled and ready-to-run
- DCC-ready features Quick Plug™ plug-and-play technology with 21-pin NEM connector
- Scaled from prototype resources including drawings, field measurements, photographs, and more
- Accurately painted and printed paint schemes
- Coupler cut levers
- Flexible rubber MU hoses
- Flexible rubber trainline hose
- See through cab windows
- Full cab interior
- Walkway tread
- Fine-scale Celcon handrails for scale appearance
- Windshield wipers
- Lift rings
- Wire grab irons
- Detailed fuel tank with fuel fillers, fuel gauges, & breather pipes
- Sander lines
- McHenry scale knuckle couplers - Kadee compatible
- Genesis driveline with 5-pole skew wound motor, precision machined flywheels, and multi-link drivetrain
- All-wheel drive with precision gears for smooth & quiet operation
- All-wheel electrical pickup provides reliable current flow
- Wheels with RP25 contours operate on all popular brands of track
- LED lighting for realistic appearance
- Heavy die-cast frame for greater traction and more pulling power
- Packaging securely holds model for safe storage



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