



HO EMD SDP45 Diesel

Announced 10.28.16
Orders Due: 11.25.16

ETA: September 2017

Wisconsin Central



Era: 1998+

Without Sound

ATHG63575

HO SDP45, WC #6634

With Sound

ATHG63675

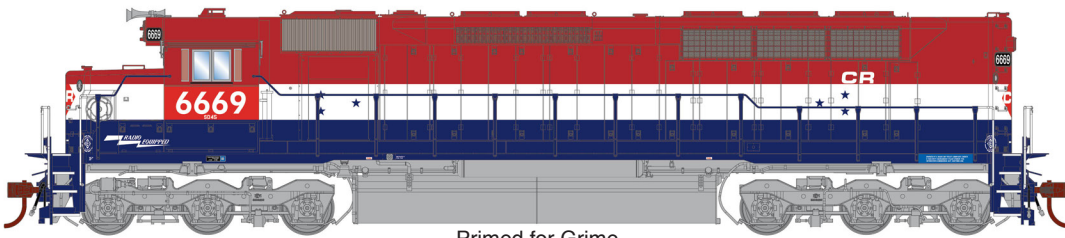
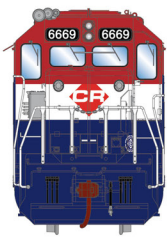
HO SDP45 w/DCC & Sound, WC #6634

WC FEATURES:

- As-built EL freight service SDP45 (SD45M) patched for Conrail
- Low profile roof details: dust bin hatch, exhaust stack, engine compartment "T" vent, and radiator fans
- Rectangular grid radiator intake grilles
- 5,000 gallon fuel tank
- Frame mounted bell
- 3 chime horn
- Small Firecracker & large Sinclair antennas
- Ditch lights in poly bag
- Flexicoil-C Trucks with high/ brake cylinders and Hyatt bearings

The Wisconsin Central had many SD45s, but only one SDP45: 6634, an ex Erie-Lackawanna unit. Following WC's acquisition by Canadian National, the unit was sold at auction.

Conrail (Ex EL)



Primed for Grime



Primed for Grime

Era: 1976+

Without Sound

ATHG63582

HO SDP45, CR #6669

ATHG63583

HO SDP45, CR #6675

ATHG63584

HO SDP45, CR # 6689

ATHG63585

HO SDP45, CR #6693

With Sound

ATHG63682

HO SDP45 w/DCC & Sound, CR #6669

ATHG63683

HO SDP45 w/DCC & Sound, CR #6675

ATHG63684

HO SDP45 w/DCC & Sound, CR #6689

ATHG63685

HO SDP45 w/DCC & Sound, CR #6693

CR FEATURES:

- As-built EL freight service SDP45 (SD45M) patched for Conrail
- See EL Bicentennial #3638 next page, for additional spotting details
- #6669:**
 - Former EL #3638 Bicentennial paint
 - Flexicoil-C Trucks with high/low brake cylinders and Hyatt bearings
- #6675:**
 - Fading "Erie Lackawanna" lettering on hood, black roof
 - Flexicoil-C Trucks with high brake cylinders and Hyatt bearings
- #6689:**
 - Flexicoil-C Trucks with front hi-brake truck, rear low-brake and Hyatt bearings
- #6693:**
 - Retrofitted snowplow & cab signal box
 - Flexicoil-C Trucks with high brake cylinders and Hyatt bearings

When the Erie Lackawanna Railway was purchased by the federal government in 1976 to become part of Conrail, their 34 SDP45s became Conrail property as well. The units served their new owner for many years with just a quick "CR" patch job on the side and ends, as depicted by our model.

These items are subject to Horizon's MAP policy



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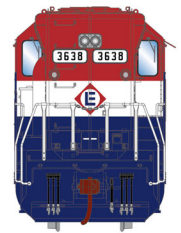
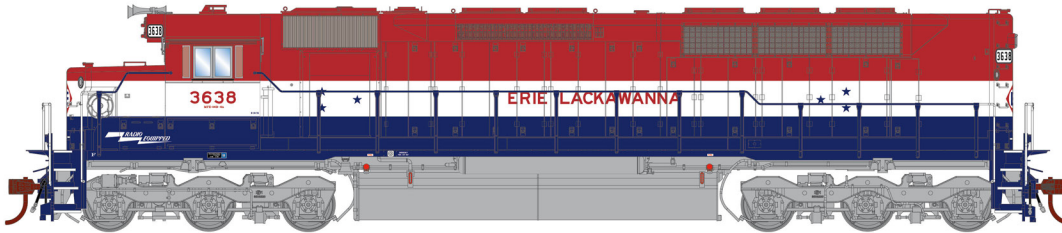
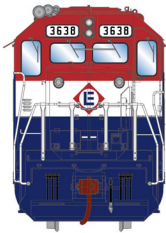


HO EMD SDP45 Diesel

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Erie Lackawanna



Era: 1975-1976

Without Sound

ATHG63586

HO SDP45, EL #3638

With Sound

ATHG63686

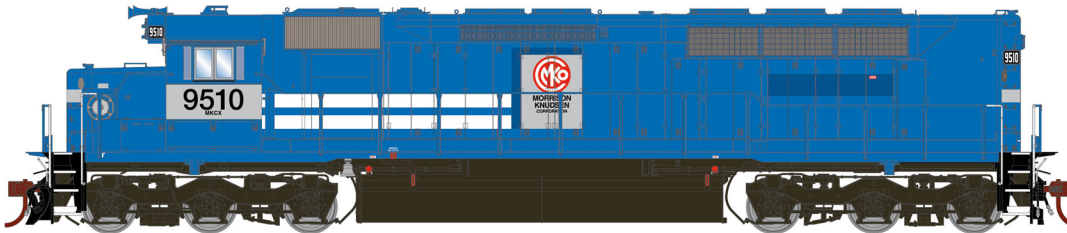
HO SDP45 w/DCC & Sound, EL #3638

- Low profile standard range dynamic brake housing with retrofitted side vents
- Rectangular grid radiator intake grilles
- 5,000 gallon fuel tank
- Frame mounted bell
- Flexicoil-C Trucks with high/low brake cylinders and Hyatt bearings

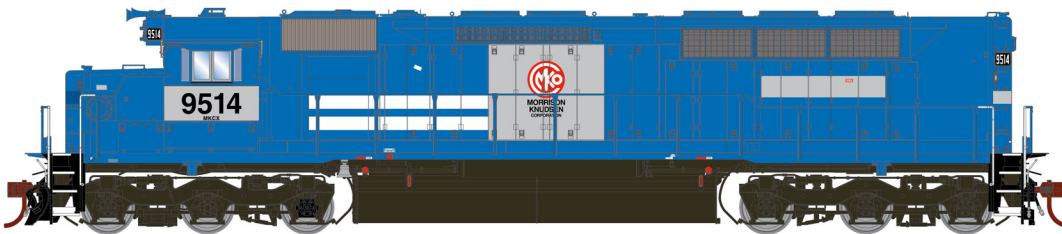
EL FEATURES:

- As-built EL freight service SDP45 (SD45M)
- Low profile roof details: dust bin hatch, dynamic brake fans, exhaust stack, engine compartment "T" vent, and radiator fans
- Leslie SU-3L-R air horn mounted on low clearance bracket
- Front and rear MU hose catch tray with bottom reinforcing strip
- Trainline, and 3-hose MU clusters with silver ends
- Front and rear deck-mounted MU stands
- Front and rear early "straight" coupler cut levers
- Dual single louver battery box doors and sub-base doors with stiffener rib
- Standard "35-Line" cab with armrests and sunshade tracks

Morrison Knudsen Corporation



Primed for Grime



Primed for Grime

Era: 1990+

Without Sound

ATHG63587

HO SDP45, MKCX #9510

ATHG63588

HO SDP45, MKCX #9511

ATHG63589

HO SDP45, MKCX #9514

ATHG63590

HO SDP45, MKCX #9515

With Sound

ATHG63687

HO SDP45 w/DCC & Sound, MKCX #9510

ATHG63688

HO SDP45 w/DCC & Sound, MKCX #9511

ATHG63689

HO SDP45 w/DCC & Sound, MKCX #9514

ATHG63690

HO SDP45 w/DCC & Sound, MKCX #9515

MKCX FEATURES:

- Perfect for the TankTrain!
- As-built EL freight service SDP45 (SD45M)
- Each roadnumber Primed for Grime with unique patches & markings
- Low profile roof details: dust bin hatch, dynamic brake fans, exhaust stack, engine compartment "T" vent, and radiator fans
- Leslie SU-3L-R air horn mounted on low clearance bracket
- 5,000 gallon fuel tank
- Frame mounted bell
- Flexicoil-C Trucks with high brake cylinders and Hyatt bearings

Morrison-Knudsen was a major leaser of secondhand locomotives in the 80s and 90s. During this time, a group of ex-Conrail SDP45s were on the lease roster. MK acquired these former CR SDP45s from VMV and were leased to a variety of railroads including the SP until 1996. Although many of the former EL/CR SDP45s

were rebuilt into SD40M-2s, a few were not, and left as-is for the remainder of their service throughout the western United States.

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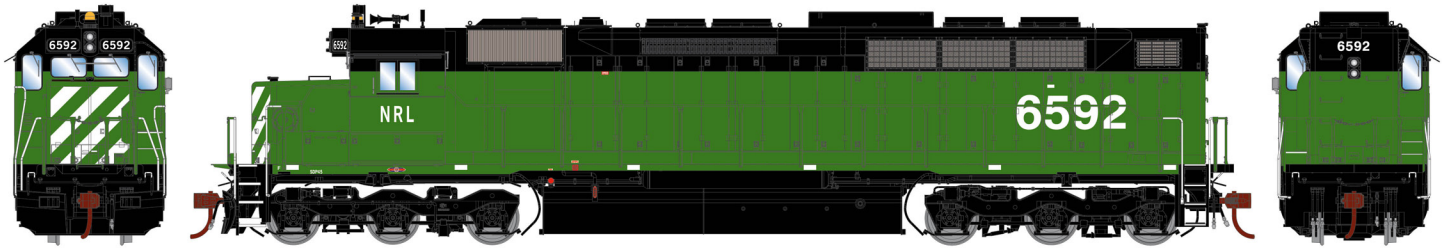


HO EMD SDP45 Diesel

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National Railway Leasing



Era: 1988+

Without Sound

ATHG63594 HO SDP45, NRLX #6592

With Sound

ATHG63694 HO SDP45 w/DCC & Sound, NRLX #6592

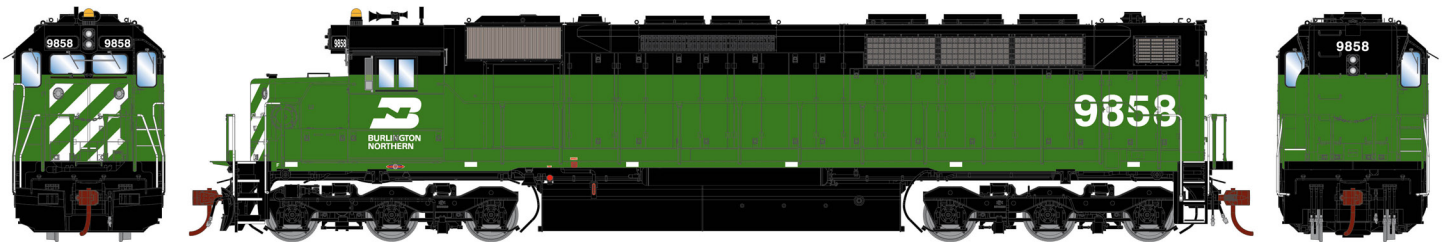
Following the Burlington Northern merger, several of the former Great Northern SDP45s were repainted into Cascade Green. The units initially retained most of their passenger equipment, including steam generators.

National Railway Leasing acquired an SDP45 from the BN. It was leased to the BAR and the NYSW for some time.

NRLX FEATURES:

- Unit leased to Northeastern railroads, including BAR, NYSW, and others
- Winterization hatch
- S3L horn
- Firecracker antenna
- NRLX: removed steam generator equipment, electronic bell
- GN style fuel tank
- Illuminated Western-Cullen style beacon
- High/Low front truck brake cylinder arrangement with high mounted brake cylinders rear

Burlington Northern



Era: 1970+

Without Sound

ATHG63591 HO SDP45, BN #9858

ATHG63592 HO SDP45, BN #9859

ATHG63593 HO SDP45, BN #9861

With Sound

ATHG63691 HO SDP45 w/DCC & Sound, BN #9858

ATHG63692 HO SDP45 w/DCC & Sound, BN #9859

ATHG63693 HO SDP45 w/DCC & Sound, BN #9861

BN FEATURES:

- Ex-Great Northern
- GN-style steam generator hatch and exhaust
- Carbody with correct walkway light placement for water fill step-ups
- Correct placement of walkway water fill
- EMD low snowplow with steam line door
- Front trainline hose with drop elbow and silver end
- 3-hose MU hose clusters with silver ends
- Front drop step
- Front short MU stand
- 81" short hood with SDP notched brake wheel and class lights and gaskets
- Antiglare patch painted on top of nose
- Standard "35-Line" cab with armrests and sunshade tracks
- Dual sealed beam cab headlight with anti-glare shields
- Sunshade on right side only
- Windwings with lower mirror fore of cab side windows
- Leslie S-3L-R air horn
- Firecracker antenna
- Standard range dynamic brake

- Diamond grid radiator intake grilles
- Flat long hood end
- Rear anticlimber
- Rear pilot mounted MU receptacle
- Rear trainline hose with silver end
- Frame mounted bell
- Salem dual air filter with piping
- Dual end sanding lines

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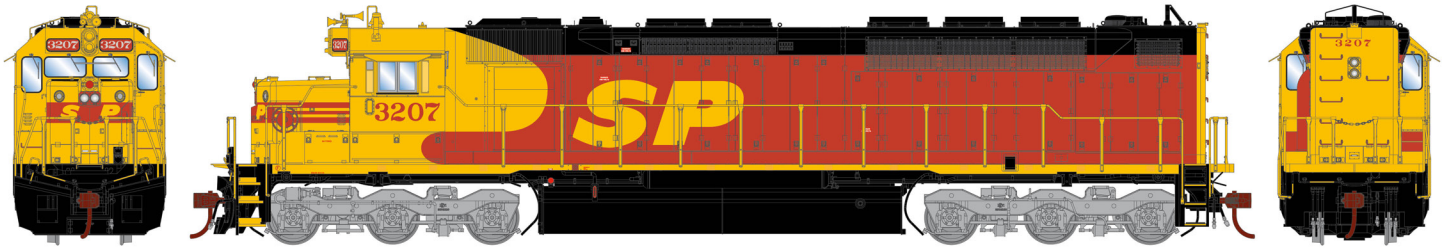


HO EMD SDP45 Diesel

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Southern Pacific*



Era: 1985+

Without Sound

ATHG63595	HO SDP45, SP #3201
ATHG63596	HO SDP45, SP #3207
ATHG63597	HO SDP45, SP #3208

With Sound

ATHG63695	HO SDP45 w/DCC & Sound, SP #3201
ATHG63696	HO SDP45 w/DCC & Sound, SP #3207
ATHG63697	HO SDP45 w/DCC & Sound, SP #3208

Three Southern Pacific SDP45s received the red & yellow Kodachrome paint of the ill-fated SPSF merger. Of note, numbers 3201, 3207, and 3208 kept their steam generator equipment for some time after most others had theirs removed, and were used to power specials and business trains.

SP FEATURES:

- First time in Kodachrome!
- Rebuilt "L" window cab
- SP light package with illuminated clear gyalights
- Cab and rear mounted icicle breakers
- Units retained steam generators for business train assignments
- Cab roof mounted bell
- Flexicoil-C Trucks with high/low brake cylinders and Hyatt bearings

#3201:

- Nathan M5R24 5-chime horn

#3207, #3208:

- Nathan P-3 3-chime horn

All Road Names

LOCOMOTIVE FEATURES:

- Safety tread on walkways
- Fine-scale handrails for scale appearance
- Factory applied wire grab irons
- Windshield wipers
- See through cab windows
- Detailed and painted cab interior
- Sliding side cab windows
- Metal lift rings
- Fully-assembled and ready-to-run
- DCC-ready features Quick Plug™ plug-and-play technology with both 8- and 9-pin connector
- Scaled from prototype resources including drawings, photographs, and more
- Accurately painted and printed paint schemes
- Body mounted McHenry operating scale knuckle couplers
- Genesis driveline with 5-pole skew wound motor, precision machined flywheels, and multi-link drivetrain for trouble free operation
- All-wheel drive with precision gears for smooth and quiet operation
- All-wheel electrical pickup provides reliable current flow
- Wheels with RP25 contours operate on all popular brands of track
- Incandescent bulbs for realistic appearance
- Bi-directional constant lighting so headlight brightness remains constant

- Heavy die-cast frame for greater traction and more pulling power
- Packaging securely holds for the model for safe storage
- Minimum radius: 18"
- Recommended radius: 22"

SOUND EQUIPPED MODELS ALSO FEATURE:

- Onboard DCC decoder with SoundTraxx Tsunami2 decoder
- Sound units operate in both DC and DCC
- Some functions are limited in DC
- Engine, horn, and bell sounds work in DC
- All functions NMRA compatible in DCC mode
- 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
- For a complete list of features, visit athearn.com

PROTOTYPE INFO:

In the 1960s, railroads were looking to replace aging EMD E-units and Alco PAs for passenger service. EMD responded by adding a steam generator compartment to the long hood end of their SD45. This required a longer frame and resulted in the creation of the SDP45. Three railroads originally purchased SDP45s: Southern Pacific, Great Northern, and Erie Lackawanna. Over the decades, the SDP45s were then acquired by other railroads through mergers, leasing companies, and rebuild programs.

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