



HO EMD SDP45 Diesel

Announced 2.22.19
Orders Due: 3.22.19

ETA: December 2019

Southern Pacific*

**NOW EQUIPPED WITH:
 LEDs, & RUBBER MU HOSES**

NEW FEATURES:

- All-new LED lighting
- Rubber MU hoses for durability
- Models equipped with DCC+Sound will have the **new 645E3 20-cylinder** prime mover recording by SoundTraxx

The effort continues to enhance Athearn Genesis models per customer requests and feedback. There has been a lot of activity behind the scenes; we're excited to include new features often requested, to the SDP45 and upcoming Genesis models.



**2nd chance,
 pre-orders carry over**

Without Sound

ATHG63606	HO SDP45, SP #3202	2nd chance, pre-orders carry over
ATHG63607	HO SDP45, SP #3205	
ATHG63608	HO SDP45, SP #3207	
ATHG63609	HO SDP45, SP #3209	
ATHG63620	HO SDP45, SP #3201	New Road Numbers
ATHG63621	HO SDP45, SP #3208	

With Sound

ATHG63706	HO SDP45 w/DCC & Sound, SP #3202	2nd chance, pre-orders carry over
ATHG63707	HO SDP45 w/DCC & Sound, SP #3205	
ATHG63708	HO SDP45 w/DCC & Sound, SP #3207	
ATHG63709	HO SDP45 w/DCC & Sound, SP #3209	
ATHG63720	HO SDP45 w/DCC & Sound, SP #3201	New Road Numbers
ATHG63721	HO SDP45 w/DCC & Sound, SP #3208	

SP FEATURES:

- As-built SP-version SDP45
- Carbody with correct walkway light placement for walkway water fill step-ups
- Correct placement of walkway water fills
- SP-version steam generator hatch and vent
- Icicle breakers front and rear
- Tall SP plow with steam line door
- Front angled coupler cut lever
- Boiler water transfer hoses front and rear
- Front drop step
- Front MU stand with field loop receptacle
- Nose top vent
- "L"-window cab
- Roof mounted bell
- Rectangular cab vents
- Full front SP light package
- Cab gyalright – effect with DCC+Sound
- Red Nose UDE light – effect with e-stop application DCC+Sound
- Sunshades
- Nathan P3 air horn
- Round base whip antenna
- Extended range dynamic brake
- Flat long hood end
- Rear pilot mounted MU receptacle
- Rear early coupler lever
- 5000 gallon fuel and water tank
- Flexicoil-C Trucks with high/low brake cylinders and Hyatt bearings



Era: 1967+

w/o Sound \$209.98_{SRP} With Tsunami² Sound \$299.98_{SRP}

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 * Union Pacific Licensed Product



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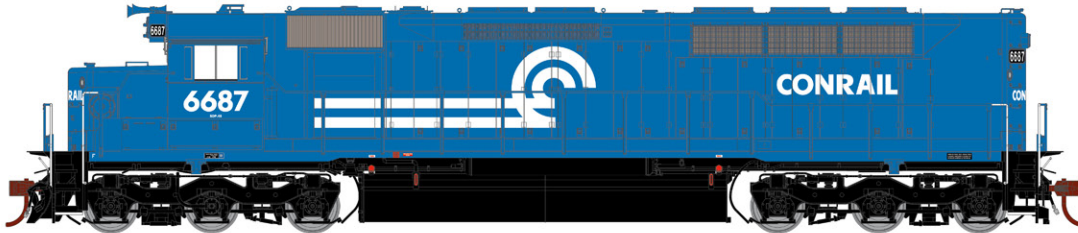


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Conrail



Era: 1976+

Without Sound

ATHG63610
ATHG63611
ATHG63612
ATHG63613
ATHG63614
ATHG63615
ATHG63616

With Sound

ATHG63710	HO SDP45 w/DCC & Sound, CR #6670
ATHG63711	HO SDP45 w/DCC & Sound, CR #6681
ATHG63712	HO SDP45 w/DCC & Sound, CR #6687
ATHG63713	HO SDP45 w/DCC & Sound, CR #6694
ATHG63714	HO SDP45 w/DCC & Sound, CR #6671
ATHG63715	HO SDP45 w/DCC & Sound, CR #6680
ATHG63716	HO SDP45 w/DCC & Sound, CR #6687

+\$10 Donation to Extra3639 North

2nd chance, pre-orders carry over

New Road Numbers

CR FEATURES:

- 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
- Cab signal box

- Rectangular grid radiator intake grilles
- Pilot details per prototype road number- snowplow, MU hose catch tray, or blank pilot
- Single or dual control stand
- Low or standard height fans on dynamic brake hatch, reflecting components replaced during shop visits

- #6681:
 - Dual control stands
 - Front and rear MU hose catch tray with bottom reinforcing strip
- #6687 and #6694:
 - Single control stand
 - Front standard EMD low snowplow
 - Rear MU hose catch tray with bottom reinforcing strip

Morrison Knudsen Corporation



Era: 1990+

Primed for Grime

Without Sound

ATHG63587	HO SDP45, MKCX #9510
ATHG63588	HO SDP45, MKCX #9511 2nd chance, pre-orders carry over
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 2nd chance, pre-orders carry over
ATHG63689	HO SDP45 w/DCC & Sound, MKCX #9514
ATHG63690	HO SDP45 w/DCC & Sound, MKCX #9515

MKCX FEATURES:

- Perfect for the TankTrain!
- Former 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 they 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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Erie Lackawanna



Era: 1969+

Without Sound

With Sound

ATHG36390	HO SDP45, EL #3639	ATHG03639	HO SDP45 w/DCC & Sound, EL #3639	+\$10 Donation to Extra3639 North
ATHG63598	HO SDP45, EL #3636	ATHG63698	HO SDP45 w/DCC & Sound, EL #3636	
ATHG63599	HO SDP45, EL #3641	ATHG63699	HO SDP45 w/DCC & Sound, EL #3641	2 nd chance, pre-orders carry over
ATHG63600	HO SDP45, EL #3648	ATHG63700	HO SDP45 w/DCC & Sound, EL #3648	
ATHG63601	HO SDP45, EL #3650	ATHG63701	HO SDP45 w/DCC & Sound, EL #3650	
ATHG63617	HO SDP45, EL #3637	ATHG63717	HO SDP45 w/DCC & Sound, EL #3637	New Road Numbers
ATHG63618	HO SDP45, EL #3642	ATHG63718	HO SDP45 w/DCC & Sound, EL #3642	
ATHG63619	HO SDP45, EL #3653	ATHG63719	HO SDP45 w/DCC & Sound, EL #3653	

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
- 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 brake cylinder position per prototype and Hyatt bearings

The Erie Lackawanna Railroad ordered 34 SD45Ms in 1969 and 1970. Intended for freight service, these units had standard (angled) long hood ends, the extra space aft of the radiators had concrete ballast. Their longer frames permitted a larger fuel tank which gave the locomotives a greater range between fuel stops.

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Great Northern



Era: 1967-1970

Without Sound

ATHG63602	HO SDP45, GN #326	
ATHG63603	HO SDP45, GN #329	2 nd chance, pre-orders carry over
ATHG63604	HO SDP45, GN #331	
ATHG63605	HO SDP45, GN #332	

With Sound

ATHG63702	HO SDP45 w/DCC & Sound, GN #326	
ATHG63703	HO SDP45 w/DCC & Sound, GN #329	2 nd chance, pre-orders carry over
ATHG63704	HO SDP45 w/DCC & Sound, GN #331	
ATHG63705	HO SDP45 w/DCC & Sound, GN #332	

GN FEATURES:

- As-built GN-version SDP45
- Carbody with correct walkway light placement for water fill step-ups
- Correct placement of walkway water fills • Great Northern signboards mounted on the handrails
- GN-version steam generator hatch and exhaust • EMD low snowplow with steam line door
- Early "straight" coupler cut levers
- 4-hose MU hose clusters
- Boiler water transfer hoses front and rear
- Front short MU stand
- Illuminated Western-Cullen beacon effect with DCC+Sound
- No sunshades
- Leslie S3LR air horn
- Firecracker antenna
- Standard-range dynamic brake
- Winterization hatch
- Rear pilot mounted MU receptacle
- 5000 gallon fuel + water tank
- Flexicoil-C Trucks with high/low brake cylinders and Hyatt bearings
- Dual end sanding lines

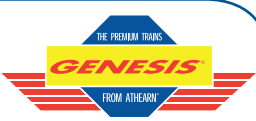
The Great Northern Railway purchased eight SDP45s in 1967 to replace F-units on the Empire Builder. Normally paired back-to-back, they were also used singly leading F-units. These joined six smaller SDP40 locomotives ordered in 1966 for the Western Star. After the startup of Amtrak in 1971, Great Northern Railway successor Burlington Northern Railroad converted all fourteen SDP locomotives to freight service.

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All Road Names

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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

PRIMED FOR GRIME MODELS FEATURE:

- Duplicated look and feel of “In Service” equipment; “Tattered and Torn” just like the real thing
- Faded base colors matched to the prototype **#Ready2Rust**
- Patches applied and shaped per road number matching each corresponding side to the prototype
- Perfect starting point for adding grime and rust



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.

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 a 21-pin NEM 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
- New LEDs 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”



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