



HO SD70ACe/SD70M-2 Diesel

Announced 2.23.18
Orders Due: 3.30.18

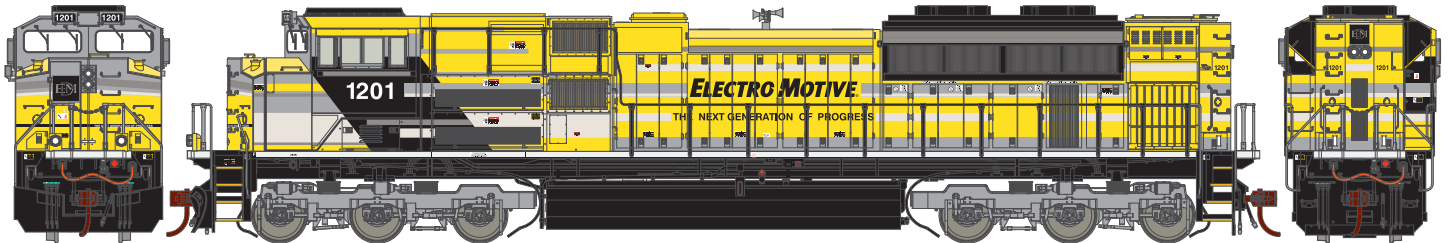
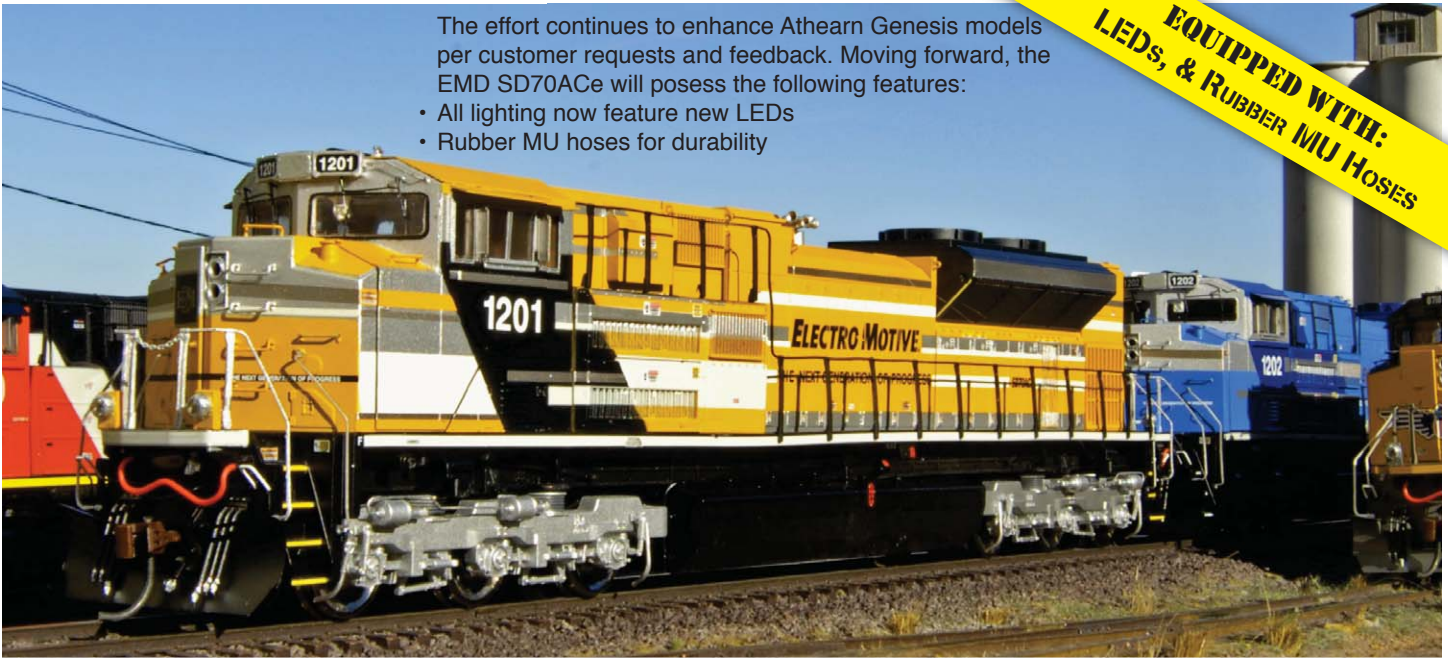
ETA: February 2019

EMD Demo

The effort continues to enhance Athearn Genesis models per customer requests and feedback. Moving forward, the EMD SD70ACe will possess the following features:

- All lighting now feature new LEDs
- Rubber MU hoses for durability

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



Era: 2013+

Without Sound

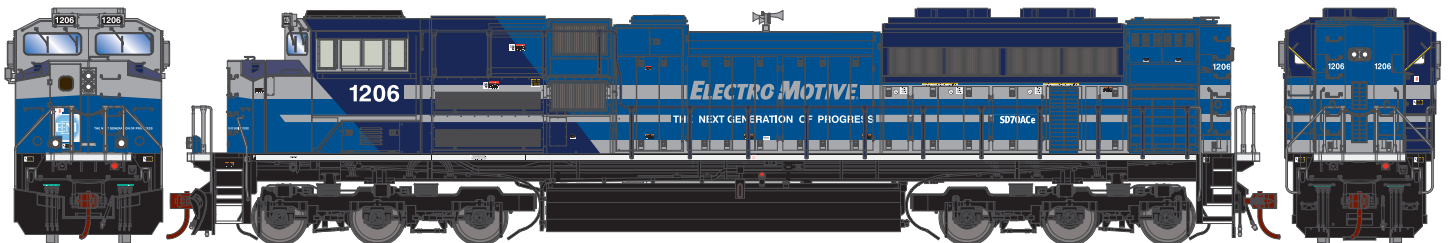
- ATHG89635 HO SD70ACe, EMD Lease #1201
- ATHG89636 HO SD70ACe, EMD Lease #1206
- ATHG89637 HO SD70ACe, EMD Lease #1207
- ATHG89638 HO SD70ACe, EMD Lease #1209
- ATHG89639 HO SD70ACe, EMD Lease #1210

With Sound

- ATHG89835 HO SD70ACe w/DCC & Sound, EMD Lease #1201
- ATHG89836 HO SD70ACe w/DCC & Sound, EMD Lease #1206
- ATHG89837 HO SD70ACe w/DCC & Sound, EMD Lease #1207
- ATHG89838 HO SD70ACe w/DCC & Sound, EMD Lease #1209
- ATHG89839 HO SD70ACe w/DCC & Sound, EMD Lease #1210

EMD FEATURES:

- Removable antenna array roof secured w/ magnets
- Nose mount headlight and ditchlights now LED
- Nose door without window
- Isolated cab
- Late handrails
- Blue demonstrators feature new road numbers



Era: 2013+

w/o Sound \$219.98_{SRP} With *Tsunami* 2 Sound \$309.98_{SRP}

These items are subject to Horizon's MAP policy

* Union Pacific Licensed Product



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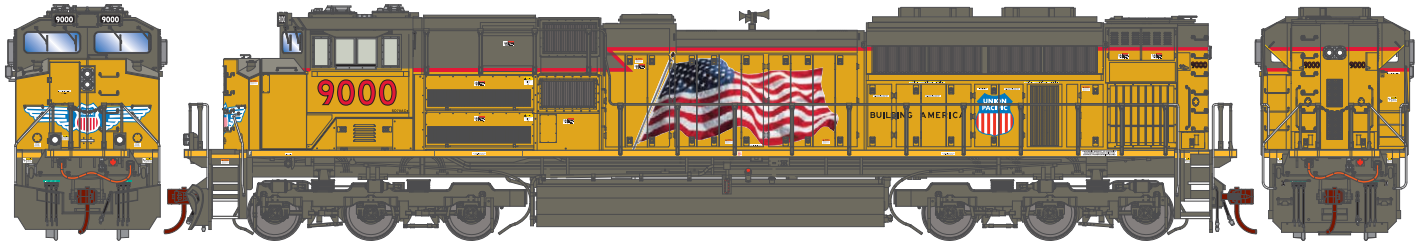


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Union Pacific*



Era: 2014+

Without Sound

ATHG89630 HO SD70ACe, UP #9000
 ATHG89631 HO SD70ACe, UP #9010
 ATHG89632 HO SD70ACe, UP #9053
 ATHG89633 HO SD70ACe, UP #9088

With Sound

ATHG89830 HO SD70ACe w/DCC & Sound, UP #9000
 ATHG89831 HO SD70ACe w/DCC & Sound, UP #9010
 ATHG89832 HO SD70ACe w/DCC & Sound, UP #9053
 ATHG89833 HO SD70ACe w/DCC & Sound, UP #9088

UP FEATURES:

- New 9000 series UP designation SD70AH
- Tier 4 credit units built in 2016
- PTC antenna array
- Nose mount headlight
- Illuminated front ditch lights
- Late handrails
- UP 9088 ran with UP 1943 as it toured the country on display

Norfolk Southern Heritage



Era: 2012+

Without Sound

ATHG69275 HO SD70ACe, NS/RDG Heritage #1067
 ATHG89634 HO SD70ACe, NS/VGN Heritage #1069

With Sound

ATHG69375 HO SD70ACe w/DCC & Sound, NS/RDG Heritage #1067
 ATHG89834 HO SD70ACe w/DCC & Sound, NS/VGN Heritage #1069

NS FEATURES:

- Swappable, painted alternate roof with PTC antennas included in box
- Cab-mounted headlight
- Illuminated front and rear ditch lights (Effect with horn blown on DCC/sound version)
- Late handrails



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Ferromex



Era: 2011+

Without Sound

ATHG89626	HO SD70ACe, Ferromex #4059
ATHG89627	HO SD70ACe, Ferromex #4066
ATHG89628	HO SD70ACe, Ferromex #4079
ATHG89629	HO SD70ACe, Ferromex #4080

With Sound

ATHG89826	HO SD70ACe w/DCC & Sound, Ferromex #4059
ATHG89827	HO SD70ACe w/DCC & Sound, Ferromex #4066
ATHG89828	HO SD70ACe w/DCC & Sound, Ferromex #4079
ATHG89829	HO SD70ACe w/DCC & Sound, Ferromex #4080

- First time FXE 4059-4088 series, built in 2011
- Commonly seen as run-through power in the United States

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
- 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

In order to meet stricter diesel locomotive emissions standards imposed by EPA Tier II regulations, EMD modified the SD-70MAC to create the SD70ACe and SD70M-2. Each model is powered by a 16-cylinder, 4300-horsepower diesel engine. On the SD70M-2, the prime mover drives an alternator and produces AC current that is rectified to DC current, which powers the traction motors. On the SD70ACe, the DC current is then "chopped" back into AC to power the traction motors.

Much of the external design is based on the SD90 series locomotives. Similar features include the full height nose door and rectangular windshields, the large flared radiators with two fans, and the positioning of the dynamic brake equipment at the rear of the long hood. In addition, the inverters were moved from inside the long hood to a box on the walkway behind the fireman's side of the cab.

SD70ACe AND SD70M-2 SPECIFIC FEATURES

- New for the SD70ACe and SD70M-2, **LED lighting**
- Correctly-sized illuminated ditch lights
- Snowplow
- Front and rear trainline air hose with silver tips
- Multiple unit (MU) hoses with silver tips
- Coupler cut bars
- Train line air hoses
- Flat or tapered front and rear anticlimbers
- Safety tread on the walkways
- Nose or cab mounted headlight
- Standard or isolated cab
- Windshield wipers
- Tinted side windows
- Mirrors
- Detailed and painted cab interior with control stand, display screens, detailed crew seats and optional grade crossing camera
- Airchime K5LLA horn with square or "tube" style mounting bracket
- GPS Domes or PTC antennas per prototype
- Inverter box with original X-panels, X-panels with retrofitted louvers, factory louvers, late EMD large intake or retrofit large intake
- See-through radiator fans
- Etched dynamic brake grille and screen with appropriate grid detail underneath
- Dynamic brake louver variations per prototype
- Chicago Blower brand air blower visible behind the see-through grilles at the rear of the locomotive
- Early or late hand brake housing and wheel
- Early or Late Sander Brackets
- Factory installed wire grab irons
- Jacking pads per prototype
- Plumbing alongside the frame appropriate to the specific railroad and purchase order
- Fuel tanks with single or dual fuel fillers
- HTCR or HTSC trucks per prototype
- Non-sound QuickPlug™ equipped with NEM 21-pin DCC plug
- McHenry scale knuckle spring couplers
- Minimum radius: 18"
- Recommended radius: 22"

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