



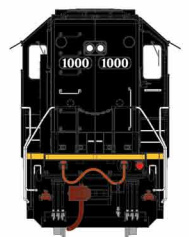
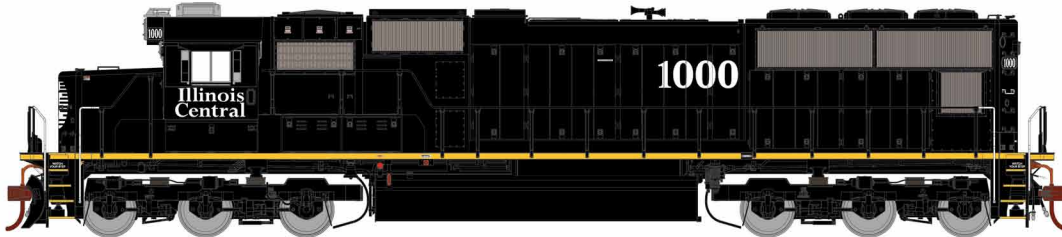
HO SD70 Diesel Locomotive

Announced 7.26.19
Orders Due: 8.30.19

ETA: July 2020



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



Era: 2005+

Without Sound

- ATHG70506
- ATHG70507
- ATHG70508

- HO SD70, IC Yellow Stripe #1000
- HO SD70, IC Yellow Stripe #1002
- HO SD70, IC Yellow Stripe #1009

With Sound

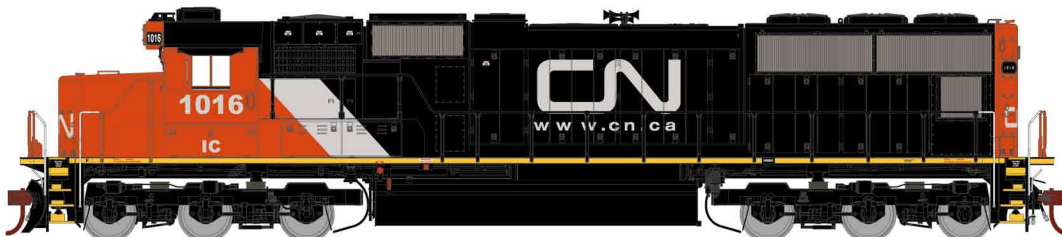
- ATHG70606
- ATHG70607
- ATHG70608

- HO SD70 w/DCC & Sound, IC Yellow Stripe #1000
- HO SD70 w/DCC & Sound, IC Yellow Stripe #1002
- HO SD70 w/DCC & Sound, IC Yellow Stripe #1009

IC YELLOW FRAME STRIPE FEATURES:

- As modified with FRA reflective yellow frame stripe: 2005+
- 3 or 5 chime horn per prototype
- Air conditioner
- Sinclair and/or Firecracker antennas per prototype
- Spare knuckle brackets
- Customer-installed electronic fuel gauge included in poly bag (placement varies; consult prototype photos).

Canadian National



Era: 2014+

CN EX IC FEATURES:

- Former IC with sublettering
- Same major features as IC yellow frame stripe described above

Without Sound

- ATHG70513 HO SD70, CN #1016
- ATHG70514 HO SD70, CN #1031

With Sound

- ATHG70613 HO SD70 w/DCC & Sound, CN #1016
- ATHG70614 HO SD70 w/DCC & Sound, CN #1031

- 1016:
 - Spare knuckle basket on walkway
 - No rear ditch lights
 - Large front plow
 - Early fuel tank
 - P5 horn

- 1031: No spare knuckle basket on walkway
 - Equipped with rear ditch lights
 - Small front plow, late fuel tank
 - P5 horn on stand



Photo: Christopher Palomarez

w/o Sound \$229.98_{SRP} With Tsunami² Sound \$319.98_{SRP}

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Conrail



Era: 1990s+

Without Sound

ATHG70500	HO SD70, CR #2561
ATHG70501	HO SD70, CR #2562
ATHG70502	HO SD70, CR #2573
ATHG70503	HO SD70, CR #2576

With Sound

ATHG70600	HO SD70 w/DCC & Sound, CR #2561
ATHG70601	HO SD70 w/DCC & Sound, CR #2562
ATHG70602	HO SD70 w/DCC & Sound, CR #2573
ATHG70603	HO SD70 w/DCC & Sound, CR #2576

CR FEATURES:

- Nathan K5LAR24 horn
- CR-specific antennas and conduits on cab and long hood
- Air Conditioner
- Small front plow
- "Dual" fuel sight glasses
- Late fuel tank
- Spare kuckle brackets on rear pilot
- Spare knuckle basket on walkway
- Cab vent

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Norfolk Southern



Without Sound

ATHG70504
ATHG70505

HO SD70, NS Ex CR Patch #2564
HO SD70, NS Ex CR Patch #2580

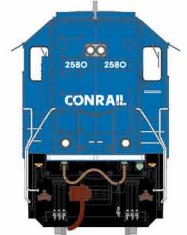
With Sound

ATHG70604
ATHG70605

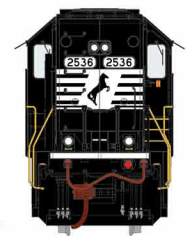
HO SD70 w/DCC & Sound, NS ex CR Patch #2564
HO SD70 w/DCC & Sound, NS ex CR Patch #2580

NS EX CR FEATURES:

- Same details as Conrail units above
- Acquired by NS after 1998-1999 split of Conrail. Lasted several years before receiving full NS paint



Era: 1999+



Without Sound

ATHG70509
ATHG70510
ATHG70511
ATHG70512

HO SD70, NS Horse Head #2536
HO SD70, NS Horse Head #2548
HO SD70, NS Horse Head #2542
HO SD70, NS Horse Head #2547

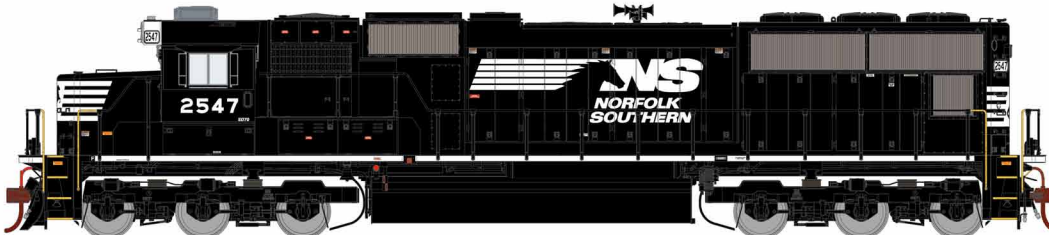
With Sound

ATHG70609
ATHG70610
ATHG70611
ATHG70612

HO SD70 w/DCC & Sound, NS Horse Head #2536
HO SD70 w/DCC & Sound, NS Horse Head #2548
HO SD70 w/DCC & Sound, NS Horse Head #2542
HO SD70 w/DCC & Sound, NS Horse Head #2547

NS FEATURES:

- First time in NS "Horsehead" scheme
- Units repainted by NS at various locations and times; each road number features unique decoration
- Nathan K5LAR24 horn
- NS-retrofitted toilet hatch & drain
- Customer-installed spare knuckle brackets included
- Large front plow
- Air Conditioner



Era: 2008+

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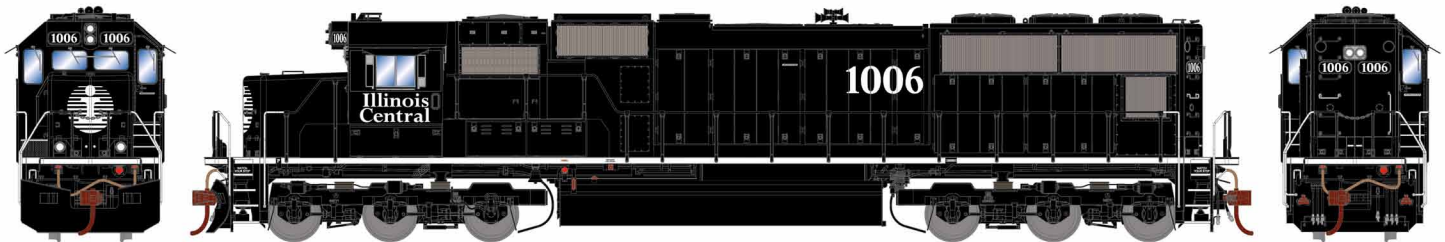


HO SD70 Diesel Locomotive

Illinois Central (continued)

Announced 7.26.19
Orders Due: 8.30.19

ETA: July 2020



Era: 1995+

Without Sound

ATHG70529	HO SD70, IC White Stripe #1006
ATHG70530	HO SD70, IC White Stripe #1007
ATHG70531	HO SD70, IC White Stripe #1010
ATHG70532	HO SD70, IC White Stripe #1015

With Sound

ATHG70629	HO SD70 w/DCC & Sound, IC #1006
ATHG70630	HO SD70 w/DCC & Sound, IC #1007
ATHG70631	HO SD70 w/DCC & Sound, IC #1010
ATHG70632	HO SD70 w/DCC & Sound, IC #1015

IC FEATURES:

- As-delivered IC scheme in 1995.
- P5 horn
- Spare knuckle brackets on rear pilot
- Spare knuckle basket on walkway
- Sinclair and can-type antennas
- Cab Vent

All Railroads

SOUND EQUIPPED MODELS ALSO FEATURE

- Onboard DCC decoder with SoundTraxx Tsunami2 sound
- Sound units operate in both DC and DCC
- 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. While outwardly similar at first glance to the SD60, the D.C.-drive SD70 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.

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
- MU hoses
- 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 for the model for safe storage



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