HO SD70 Diesel Locomotive

**Illinois Central**

Announced 7.26.19
Orders Due: 8.30.19
ETA: July 2020

**Without Sound**

<table>
<thead>
<tr>
<th>Item</th>
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<tbody>
<tr>
<td>ATHG70506</td>
<td>HO SD70, IC Yellow Stripe #1000</td>
</tr>
<tr>
<td>ATHG70507</td>
<td>HO SD70, IC Yellow Stripe #1002</td>
</tr>
<tr>
<td>ATHG70508</td>
<td>HO SD70, IC Yellow Stripe #1009</td>
</tr>
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**With Sound**

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<td>ATHG70606</td>
<td>HO SD70 w/DCC &amp; Sound, IC Yellow Stripe #1000</td>
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<td>ATHG70607</td>
<td>HO SD70 w/DCC &amp; Sound, IC Yellow Stripe #1002</td>
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<tr>
<td>ATHG70608</td>
<td>HO SD70 w/DCC &amp; Sound, IC Yellow Stripe #1009</td>
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**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

**Canadian National**

Era: 2014+

**Without Sound**

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<td>ATHG70513</td>
<td>HO SD70, CN #1016</td>
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<tr>
<td>ATHG70514</td>
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**CN EX IC FEATURES:**
- Former IC with sublettering
- Same major features as IC yellow frame stripe described above

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

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

These items are subject to Horizon’s MAP policy
HO SD70 Diesel Locomotive

Conrail

Announced 7.26.19
Orders Due: 8.30.19
ETA: July 2020

Era: 1990s+

CR FEATURES:
• Nathan KSLAR24 horn
• CR-specific antennas and conduits on cab and long hood
• Air Conditioner
• Small front plow
• "Dual" fuel sight glasses
• Late fuel tank
• Spare knuckle brackets on rear pilot
• Spare knuckle basket on walkway
• Cab vent

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

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**HO SD70 Diesel Locomotive**

**Norfolk Southern**

• Announced 7.26.19
• Orders Due: 8.30.19
• ETA: July 2020

**Without Sound**
- ATHG70504: HO SD70, NS Ex CR Patch #2564
- ATHG70505: HO SD70, NS Ex CR Patch #2580

**With Sound**
- ATHG70604: HO SD70 w/DCC & Sound, NS ex CR Patch #2564
- ATHG70605: 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

**Without Sound**
- ATHG70509: HO SD70, NS Horse Head #2536
- ATHG70510: HO SD70, NS Horse Head #2548
- ATHG70511: HO SD70, NS Horse Head #2542
- ATHG70512: HO SD70, NS Horse Head #2547

**With Sound**
- ATHG70609: HO SD70 w/DCC & Sound, NS Horse Head #2536
- ATHG70610: HO SD70 w/DCC & Sound, NS Horse Head #2548
- ATHG70611: HO SD70 w/DCC & Sound, NS Horse Head #2542
- ATHG70612: 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

w/o Sound $229.98<sup>SRP</sup>  With <sup>Tsunami²</sup> Sound $319.98<sup>SRP</sup>

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Visit Your Local Retailer | Visit www.athearn.com | Call 1.800.338.4639
HO SD70 Diesel Locomotive

Illinois Central (continued)

Announced 7.26.19
Orders Due: 8.30.19
ETA: July 2020

LOCOMOTIVE FEATURES:
• Fully-assembled and ready-to-run
• DCC-ready features Quick Plug™ plug-and-play technology with 21-pin NEM connector
• Engine, horn, and bell sounds in DC
• All functions NMRA compatible in DCC mode
• Precision slow speed control
• All-wheel drive with precision gears for smooth & quiet operation
• All-wheel electrical pickup provides reliable current flow
• 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

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.

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

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

Without 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

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

Era: 1995+

All Railroads

Illinois Central

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

ATHG70629	 HO SD70 w/DCC & Sound, IC #1006
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SOUND EQUIPPED MODELS ALSO FEATURE

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• DCC-ready features Quick Plug™ plug-and-play technology with 21-pin NEM connector
• Engine, horn, and bell sounds in DC
• All functions NMRA compatible in DCC mode
• Precision slow speed control
• 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

Without Sound $229.98 SRP With Sound $319.98 SRP

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* Union Pacific Licensed Product

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