**HO SD45-2 Diesel Locomotive**

**Santa Fe**

**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

**ATSF SD45-2U FEATURES:**
- First time offered rebuilt 5800 class
- Illuminated Stratolite beacon on stand, effect with DCC+Sound
- Leslie S3LR air horn on tall bracket
- EMD small style snow plow
- Sinclair antenna on antenna plane
- "Chickenwire" radiator grilles
- ATSF style spare knuckles on trucks (engineer's side)

**ATSF SD45-2U WITHOUT SOUND**

<table>
<thead>
<tr>
<th>Athearn Code</th>
<th>Description</th>
<th>Era:</th>
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</thead>
<tbody>
<tr>
<td>ATHG86127</td>
<td>HO SD45-2, SF Freight #5833</td>
<td>1984+</td>
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<tr>
<td>ATHG86128</td>
<td>HO SD45-2, SF Freight #5838</td>
<td>1984+</td>
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<td>ATHG86129</td>
<td>HO SD45-2, SF Freight #5840</td>
<td>1984+</td>
</tr>
<tr>
<td>ATHG86130</td>
<td>HO SD45-2, SF Freight #5851</td>
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**ATSF SD45-2U WITH SOUND**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ATHG86227</td>
<td>HO SD45-2 w/DCC &amp; Sound, SF Freight #5833</td>
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<td>ATHG86228</td>
<td>HO SD45-2 w/DCC &amp; Sound, SF Freight #5838</td>
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<td>ATHG86230</td>
<td>HO SD45-2 w/DCC &amp; Sound, SF Freight #5851</td>
<td>1984+</td>
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**ATSF BICENTENNIAL FEATURES:**
- Plaques on handrails
- Illuminated cab mounted dual clear strobes, effect DCC+Sound
- Large anticlimber per prototype
- Air conditioner
- Can-type radio antenna on ground plane
- Leslie S3LR air horn on tall bracket
- Stratolite beacon bracket without hole

**ATSF BICENTENNIAL WITHOUT SOUND**

<table>
<thead>
<tr>
<th>Athearn Code</th>
<th>Description</th>
<th>Era:</th>
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<tbody>
<tr>
<td>ATHG86100</td>
<td>HO SD45-2, SF/Bicentennial #5703</td>
<td>1975+</td>
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<tr>
<td>ATHG86101</td>
<td>HO SD45-2, SF/Bicentennial #5704</td>
<td>1975+</td>
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</tbody>
</table>

**ATSF BICENTENNIAL WITH SOUND**

<table>
<thead>
<tr>
<th>Athearn Code</th>
<th>Description</th>
<th>Era:</th>
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<tbody>
<tr>
<td>ATHG86200</td>
<td>HO SD45-2 w/DCC &amp; Sound, SF/Bicentennial #5703</td>
<td>1975+</td>
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<tr>
<td>ATHG86201</td>
<td>HO SD45-2 w/DCC &amp; Sound, SF/Bicentennial #5704</td>
<td>1975+</td>
</tr>
</tbody>
</table>

**w/o Sound** $209.98<sup>SRP</sup>  **With Sound** $299.98<sup>SRP</sup>

Visit Your Local Retailer | Visit www.athearn.com | Call 1.800.338.4639
HO SD45-2 Diesel Locomotive

Santa Fe

- Updated artwork matching prototype

Orders Due: 8.30.19
ETA: January 2020

Southern Pacific Santa Fe

- First time offered full SPSF merger “Kodachrome”
- Illuminated Stratolite beacon on stand, effect with DCC+Sound
- Leslie S3LR air horn on tall bracket
- EMD small style snow plow
- Sinclair antenna on antenna plane
- “Chickenwire” radiator grilles
- ATSF style spare knuckles on trucks (engineer’s side)

Era: 1984+

Without Sound
ATHG86102 HO SD45-2, SP Kodachrome #7203
ATHG86103 HO SD45-2, SP Kodachrome #7208
ATHG86104 HO SD45-2, SP Kodachrome #7207
ATHG86105 HO SD45-2, SP Kodachrome #7213

With Sound
ATHG86202 HO SD45-2 w/DCC & Sound, SP Kodachrome #7203
ATHG86203 HO SD45-2 w/DCC & Sound, SP Kodachrome #7208
ATHG86204 HO SD45-2 w/DCC & Sound, SP Kodachrome #7207
ATHG86205 HO SD45-2 w/DCC & Sound, SP Kodachrome #7213

ATHG86016 HO SD45-2, SPSF #7219
ATHG86017 HO SD45-2, SPSF #7221

ATHG86206 HO SD45-2 w/DCC & Sound, SPSF #7219
ATHG86207 HO SD45-2 w/DCC & Sound, SPSF #7221

Without Sound
ATHG86102 HO SD45-2, SF Kodachrome #7203
ATHG86103 HO SD45-2, SF Kodachrome #7208
ATHG86104 HO SD45-2, SF Kodachrome #7207
ATHG86105 HO SD45-2, SF Kodachrome #7213

With Sound
ATHG86202 HO SD45-2 w/DCC & Sound, SF Kodachrome #7203
ATHG86203 HO SD45-2 w/DCC & Sound, SF Kodachrome #7208
ATHG86204 HO SD45-2 w/DCC & Sound, SF Kodachrome #7207
ATHG86205 HO SD45-2 w/DCC & Sound, SF Kodachrome #7213

ATHG86016 HO SD45-2, SFK #7219
ATHG86017 HO SD45-2, SFK #7221

ATHG86206 HO SD45-2 w/DCC & Sound, SFK #7219
ATHG86207 HO SD45-2 w/DCC & Sound, SFK #7221

ATHG86202 HO SD45-2 w/DCC & Sound, SFK #7203
ATHG86203 HO SD45-2 w/DCC & Sound, SFK #7208
ATHG86204 HO SD45-2 w/DCC & Sound, SFK #7207
ATHG86205 HO SD45-2 w/DCC & Sound, SFK #7213

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These items are subject to Horizon’s MAP policy
HO SD45-2 Diesel Locomotive

Conrail

Orders Due: 8.30.19
ETA: January 2020

Without Sound
ATHG861124 HO SD45-2, CR Blue Early #6657
ATHG861125 HO SD45-2, CR Blue Early #6663
ATHG861126 HO SD45-2, CR Blue Early #6665

With Sound
ATHG862124 HO SD45-2 w/DCC & Sound, CR Blue Early #6657
ATHG862125 HO SD45-2 w/DCC & Sound, CR Blue Early #6663
ATHG862126 HO SD45-2 w/DCC & Sound, CR Blue Early #6665

CR FEATURES:
- Brand new road numbers 6657 & 6663
- Cab signal box engineer side
- Cab armrests
- Mirrors/Windwings per prototype
- Low profile Fans, dustbin, exhaust, dynamic brake vent
- Low profile bracket mounted S3LR
- 5000 gallon fuel tank
- Hood side vents per prototype

Primed for Grime

Existing Pre-Orders Carry Over

w/o Sound $209.98 SRP With Tsunami2 Sound $299.98 SRP

These items are subject to Horizon’s MAP policy
HO SD45-2 Diesel Locomotive

Erie Lackawanna

- Updated artwork matching prototype

**Era: 1970s+**

**Without Sound**

- ATHG86108: HO SD45-2, EL #3672
- ATHG86109: HO SD45-2, EL #3676
- ATHG86110: HO SD45-2, EL #3680

**With Sound**

- ATHG86208: HO SD45-2 w/DCC & Sound, EL #3672
- ATHG86209: HO SD45-2 w/DCC & Sound, EL #3676
- ATHG86210: HO SD45-2 w/DCC & Sound, EL #3680

**EL FEATURES:**
- Cab armrests
- Mirrors/Windwings per prototype
- Low profile Fans, dustbin, exhaust, dynamic brake vent
- Low profile bracket mounted S3LR
- 5000 gallon fuel tank
- Hood side vents per prototype
- Small EMD snowplow
- Sinclair antenna

**CRR FEATURES:**
- Windwings per prototype
- Cab mounted headlight
- Small anticlimber
- Standard height Intertial hatch, exhaust stack, fan housings
- Yellow numberboards
- Whip radio antenna
- Leslie S3LR air horn
- Long hood mounted bell

**Existing Pre-Orders Carry Over**

**w/o Sound $209.98 SRP**  **With Tsunami2 Sound $299.98 SRP**

These items are subject to Horizon’s MAP policy
**HO SD45-2 Diesel Locomotive**

**CSX**

**UPDATE**

- Updated artwork matching prototype contributed by Nick O’Dell

**Announced 7.26.19**

**Orders Due: 8.30.19**

**ETA: January 2020**

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**Without Sound**

<table>
<thead>
<tr>
<th>ATHG86119</th>
<th>HO SD45-2, CSX Solid Grey #8950</th>
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</thead>
<tbody>
<tr>
<td>ATHG86120</td>
<td>HO SD45-2, CSX Solid Grey #8951</td>
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</table>

**With Sound**

<table>
<thead>
<tr>
<th>ATHG86219</th>
<th>HO SD45-2 w/DCC &amp; Sound, CSX Solid Grey #8950</th>
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</thead>
<tbody>
<tr>
<td>ATHG86220</td>
<td>HO SD45-2 w/DCC &amp; Sound, CSX Solid Grey #8951</td>
</tr>
</tbody>
</table>

**Era: 1986+**

**Primed for Grime**

- Underframe painted CSX blue
- “Ghosted” Clinchfield lettering on long hood

**Era: 1985+**

**CSX FEATURES:**

- EMD large style snow plow
- Firecracker antenna
- Leslie RSSL horn air horn
- Nose mounted headlight
- Small anticlimber
- “Chickenwire” radiator grilles

**CSX ex CRR FEATURES:**

- Patched per road number, ex-Clinchfield units
- Cab mounted headlight
- Small anticlimber
- Standard height Intertial hatch, exhaust stack, fan housings
- Whip radio antenna
- Leslie RSSL horn air horn
- Long hood mounted bell

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**w/o Sound $209.98SRP**

**With Tsunami2 Sound $299.98SRP**

These items are subject to Horizon’s MAP policy
HO SD45-2 Diesel Locomotive

Helm Leasing

- Updated artwork matching prototype

Era: Late 1980s+

Without Sound

ATHG86121    HO SD45-2, HATX Helm Lease #750
ATHG86122    HO SD45-2, HATX Helm Lease #909
ATHG86123    HO SD45-2, HATX Helm Lease #910

With Sound

ATHG86221    HO SD45-2 w/DCC & Sound, HATX Helm Lease #750
ATHG86222    HO SD45-2 w/DCC & Sound, HATX Helm Lease #909
ATHG86223    HO SD45-2 w/DCC & Sound, HATX Helm Lease #910

HATX FEATURES:
- Windwings per prototype
- Nose mounted headlight
- Small anticlimber
- Standard height Intertial hatch, exhaust stack, fan housings
- Black or white numberboards per prototype
- Firecracker or Sinclair antenna per prototype
- 3-or-5 chime horn per prototype
- Frame mounted bell
- Commonly used in lease service starting in the late 1980s.

Railroads would lease locomotives during power shortages and traffic upturns. These particular units were leased to several eastern roads including Soo Line, Grand Trunk Western and CSX.

Without Sound $209.98SRP  With Tsunami2 Sound $299.98SRP

These items are subject to Horizon’s MAP policy
HO SD45-2 Diesel Locomotive

All Road Names

SOUND EQUIPPED MODELS ALSO FEATURE:
- Onboard DCC decoder with SoundTraxx Tsunami2
- 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 operators manual
- 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
- Patches applied and shaped per road number matching each corresponding side to the prototype
- Perfect starting point for adding grime and rust

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 trouble free operation
- 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"

PROTOTYPE INFO:
The SD45-2 was an initial success; it was a complete improvement or upgrade as part of EMD’s “Dash 2” line; it had little to almost absolutely no flaws during the early stages of production and during the model’s official introduction. It was both popular and compatible with the original SD45 as well, with it’s large 20-cylinder engine. The SD45-2 lasted somewhat longer than most SD45 units on various owners roster’s.

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