



HO SD70ACe Locomotive

Norfolk Southern

Announced 05.27.16
Orders Due: 06.24.16

ETA: April 2017



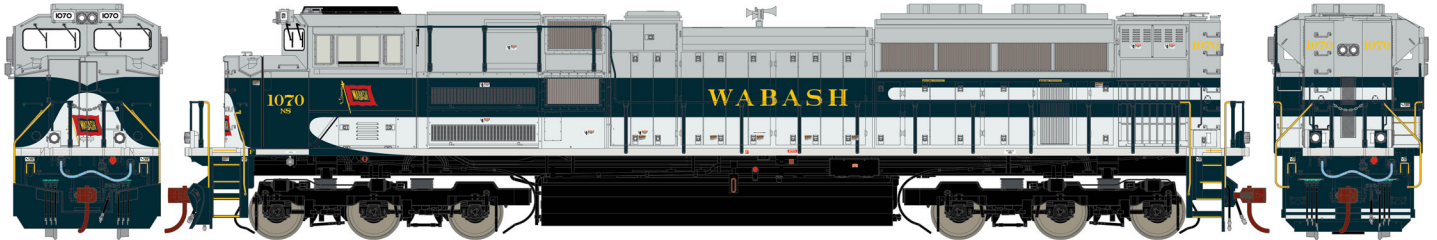
Without Sound

ATHG68779 HO SD70ACe, NS #1105
 ATHG68780 HO SD70ACe, NS #1111 Barcode
 ATHG68781 HO SD70ACe, NS #1119
 ATHG68782 HO SD70ACe, NS #1124

With Sound

ATHG68879 HO SD70ACe w/DCC & Sound, NS #1105
 ATHG68880 HO SD70ACe w/DCC & Sound, NS #1111 Barcode
 ATHG68881 HO SD70ACe w/DCC & Sound, NS #1119
 ATHG68882 HO SD70ACe w/DCC & Sound, NS #1124

Norfolk Southern Heritage



Era: 2012+

Without Sound

ATHG68776 HO SD70ACe, NS #1066 NYC
 ATHG68777 HO SD70ACe, NS #1070 Wabash
 ATHG68778 HO SD70ACe, NS #1074 Lackawanna

With Sound

ATHG68876 HO SD70ACe w/DCC & Sound, NS #1066 NYC
 ATHG68877 HO SD70ACe w/DCC & Sound, NS #1070 Wabash
 ATHG68878 HO SD70ACe w/DCC & Sound, NS #1074 Lackawanna

NS FEATURES:

- Swapable alternate roof with leader PTC antenna array. Also available separately (ATHG68899)
- High mounted headlight
- Isolated cab
- Front and rear illuminated ditch lights
- Late handrails

w/o Sound \$199.98_{SRP} With  Sound \$299.98_{SRP}
 These items are subject to Horizon's MAP policy

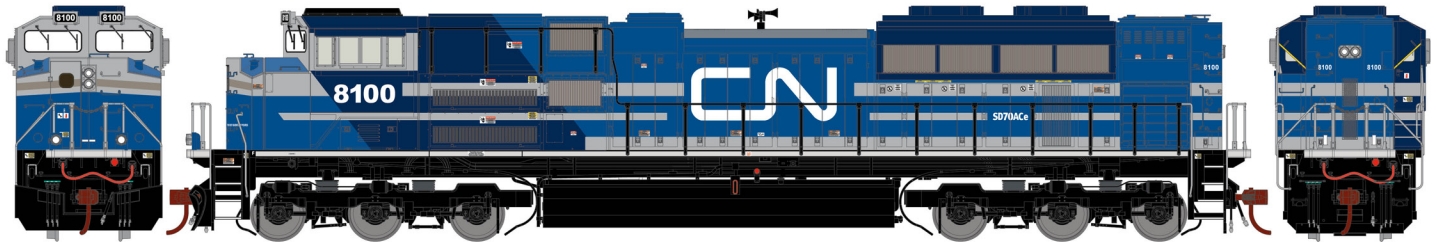


HO SD70ACe Locomotive

Canadian National

Announced 05.27.16
Orders Due: 06.24.16

ETA: April 2017



Era: 2014+

Without Sound

ATHG68787 HO SD70ACe, CN #8100
 ATHG68788 HO SD70ACe, CN #8101
 ATHG68789 HO SD70ACe, CN #8102
 ATHG68790 HO SD70ACe, CN #8103

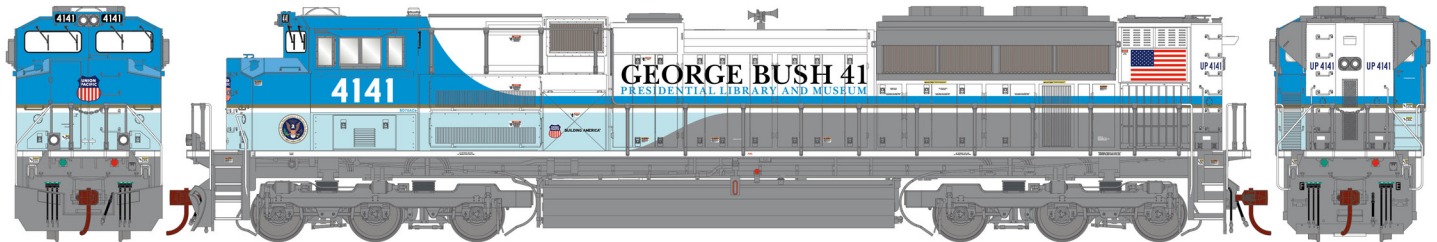
With Sound

ATHG68887 HO SD70ACe w/DCC & Sound, CN #8100
 ATHG68888 HO SD70ACe w/DCC & Sound, CN #8101
 ATHG68889 HO SD70ACe w/DCC & Sound, CN #8102
 ATHG68890 HO SD70ACe w/DCC & Sound, CN #8103

CN FEATURES:

- 8100-series
- Nose door with window
- PTC late antenna
- Isolated cab
- CN "Noodle" logo located per prototype
- Nose headlight
- Late handrails

Union Pacific*



Era: 2014+

Without Sound

ATHG68783 HO SD70ACe, UP/Rio Grande Heritage #1989
 ATHG68784 HO SD70ACe, UP/C&NW Heritage #1995
 ATHG68785 HO SD70ACe, UP/SP Heritage #1996
 ATHG68786 HO SD70ACe, UP/President George Bush #4141

With Sound

ATHG68883 HO SD70ACe w/DCC & Sound, UP/D&RGW Heritage #1989
 ATHG68884 HO SD70ACe w/DCC & Sound, UP/C&NW Heritage #1995
 ATHG68885 HO SD70ACe w/DCC & Sound, UP/SP Heritage #1996
 ATHG68886 HO SD70ACe w/DCC & Sound, UP/George Bush #4141

UP FEATURES:

- Swapable alternate roof with leader PTC antenna array. Also available separately (ATHG68899)
- High mount headlight
- Early handrails

#4141:

- Rear horn bracket

#1989, #1995, #1996:

- Late style inverter cabinet

w/o Sound \$199.98_{SRP} With Tsunami² Sound \$299.98_{SRP}

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* Union Pacific Licensed Product



HO SD70ACe Locomotive

Kansas City Southern

Announced 05.27.16
Orders Due: 06.24.16

ETA: April 2017



Era: 2012+

Without Sound

ATHG68772	HO SD70ACe, KCS #4002
ATHG68773	HO SD70ACe, KCS #4009
ATHG68774	HO SD70ACe, KCS #4018
ATHG68775	HO SD70ACe, KCS #4023

With Sound

ATHG68872	HO SD70ACe w/DCC & Sound, KCS #4002
ATHG68873	HO SD70ACe w/DCC & Sound, KCS #4009
ATHG68874	HO SD70ACe w/DCC & Sound, KCS #4018
ATHG68875	HO SD70ACe w/DCC & Sound, KCS #4023

All Railroads

SD70ACe AND SD70M-2 SPECIFIC FEATURES

- Correctly-sized operating 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
- Large antenna dome
- Small GPS antenna dome
- 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
- Standard grille or Canadian-style "louver" dynamic brake intakes
- 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
- Different jacking pads
- Plumbing alongside the frame appropriate to the specific railroad and purchase order
- Fuel tanks with single or dual fuel fillers
- New version HTCR or HTSC trucks
- Non-sound QuickPlug™ equipped with NMRA 8-pin and 9-pin DCC plugs

- McHenry scale knuckle spring couplers
- Minimum radius: 18"
- Recommended radius: 22"

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 SD70MAC 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.

Models comes with swappable decorated alternate roof with PTC antenna array. Undecorated sample ATHG68899 shown



w/o Sound \$199.98_{SRP} With **Tsunami2** Sound \$299.98_{SRP}
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