

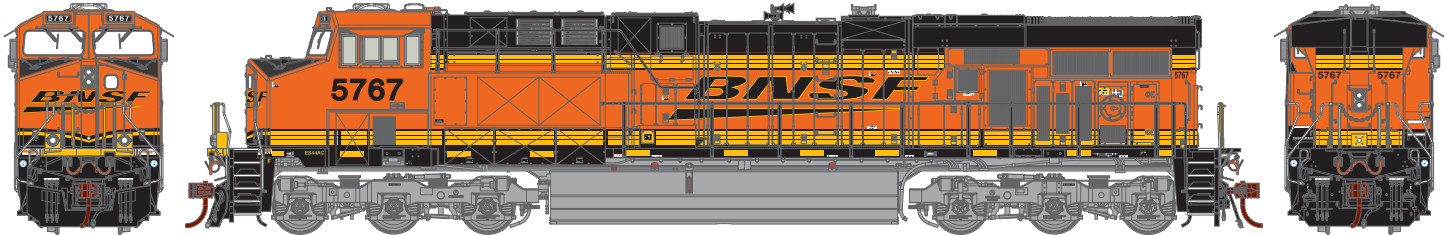


HO ES44AC Locomotive

Announced: 9.24.13
Orders Due: 10.25.13

ETA: March 2014

BNSF



Without Sound

ATHG69715 #5767
ATHG69716 #5832
ATHG69717 #5886
ATHG69718 #5955

With Sound

ATHG69765 #5767
ATHG69766 #5832
ATHG69767 #5886
ATHG69768 #5955

ROAD NUMBER FEATURES

- Four new road numbers
- Short front snowplow
- Nose door window
- High number boards
- 4-window cab side windows
- Desktop control stand
- Sunshades
- Salem air filter
- Electronic parking brake
- Hi-adhesion trucks
- High rear sand filler
- Low rear vertical headlight

Canadian Pacific



Without Sound

ATHG69719 #8707
ATHG69720 #8728
ATHG69721 #8742
ATHG69722 #8750

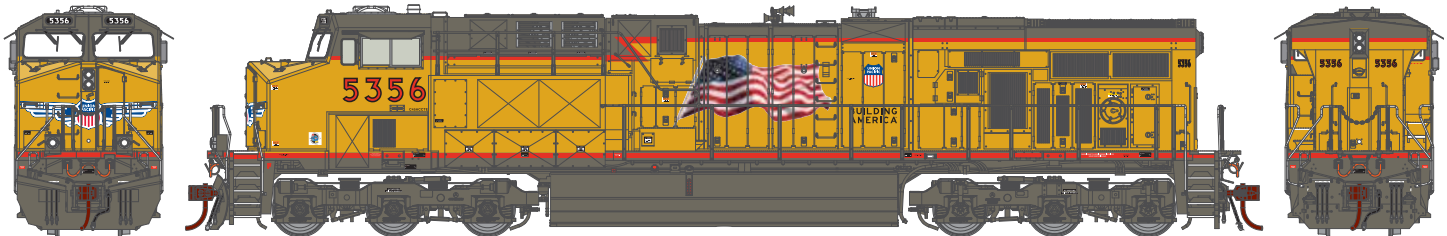
With Sound

ATHG69769 #8707
ATHG69770 #8728
ATHG69771 #8742
ATHG69772 #8750

ROAD NUMBER FEATURES

- Four new road numbers
- Tall front snowplow
- Dual trainline hoses
- Additional MU stand front and rear
- Nose door window
- Nose door grab iron
- Low front headlight
- Low number boards
- 3-window cab side windows
- Desktop control stand
- No sunshades
- Sinclair antenna
- Prime air filter
- Air filter
- Steerable trucks
- Low rear sand filler
- Rear high vertical headlights
- Long hood end access door

Union Pacific*



Without Sound

ATHG69723 #5356
ATHG69724 #5374
ATHG69725 #5385
ATHG69726 #5452

With Sound

ATHG69773 #5356
ATHG69774 #5374
ATHG69775 #5385
ATHG69776 #5452

ROAD NUMBER FEATURES

- New paint scheme: red sill stripe
- Four road numbers
- Tall front snowplow
- Bolt-on front sander door
- Low front headlight
- High number boards
- 3-window cab side windows
- Desktop control stand
- Dual cab side blue flag brackets
- Sunshades
- Prime air filter
- Air dryer
- Electronic parking brake
- Hi-adhesion trucks
- Low rear sand filler
- Rear high vertical headlights
- Long hood end access door

w/o Sound \$199.98 With **tsunami** Sound \$299.98

* Union Pacific Licensed Product





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MODEL FEATURES

- Operating ditch lights
- Low front headlight
- Tinted cab windows
- Large antenna dome
- Small GPS dome
- See through dynamic brake intakes with fans visible inside
- Two dynamic brake exhaust vents with close spacing and flush housing
- Capacitor box
- Short auxiliary cab rear left-side doors
- Right side forward electrical cabinet with X-Panel
- Nathan K5HL horn
- Engine compartment side grab irons
- Flush radiator compartment doors
- Hand brake panel grille
- Flush heat exchanger housing and top radiator grilles
- 5000-gallon fuel tank
- Era: 2005+
- Minimum radius: 18"
- Recommended radius: 22"

SOUND EQUIPPED MODELS ALSO FEATURE

- Onboard DCC decoder with SoundTraxx Tsunami decoder
- 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 the box

PROTOTYPE INFORMATION

In 2002, GE released the first of a new series of locomotives that would replace the popular Dash-9 series. The ES44DC and ES44AC, commonly called GEVOs for General Electric Evolution series, were designed to meet the stricter diesel locomotive emissions standards imposed by the EPA Tier II regulations. To meet the new standards, GE developed the 12-cylinder GEVO 12 engine. Both the bore and stroke were increased to produce the same 4400 horsepower as the older 7FDL16 16-cylinder engine. The new engine drives an alternator producing AC current that is rectified to DC current. On the ES44DC, this powers the traction motors. On the ES44AC, the DC current is "chopped" back into AC to power the traction motors. The two models share a common 73' 2" frame and external appearance.

The ES44DC and ES44AC external details have changed with almost every year's new orders. These models are of the early version produced in 2005 and 2006 and include the nose door on the left side, two closely-spaced dynamic brake vents, X-panels on the electrical cabinet with a capacitor box on the walkway just behind it, side grab irons on the long hood and flush-mounted top radiator grilles and radiator compartment doors.

GENESIS DIESEL LOCOMOTIVE FEATURES

- Fully-assembled and ready-to-run
- DCC-ready features Quick Plug™ plug-and-play technology with both 8- and 9-pin 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, and retention tanks
- Sander lines
- McHenry scale knuckle couplers - Kadee compatible
- 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 Code 70, 83, and 100 rail
- Incandescent bulbs for realistic appearance
- Bidirectional 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
- Replacement parts available
- **Visit Athearn.com for additional features**