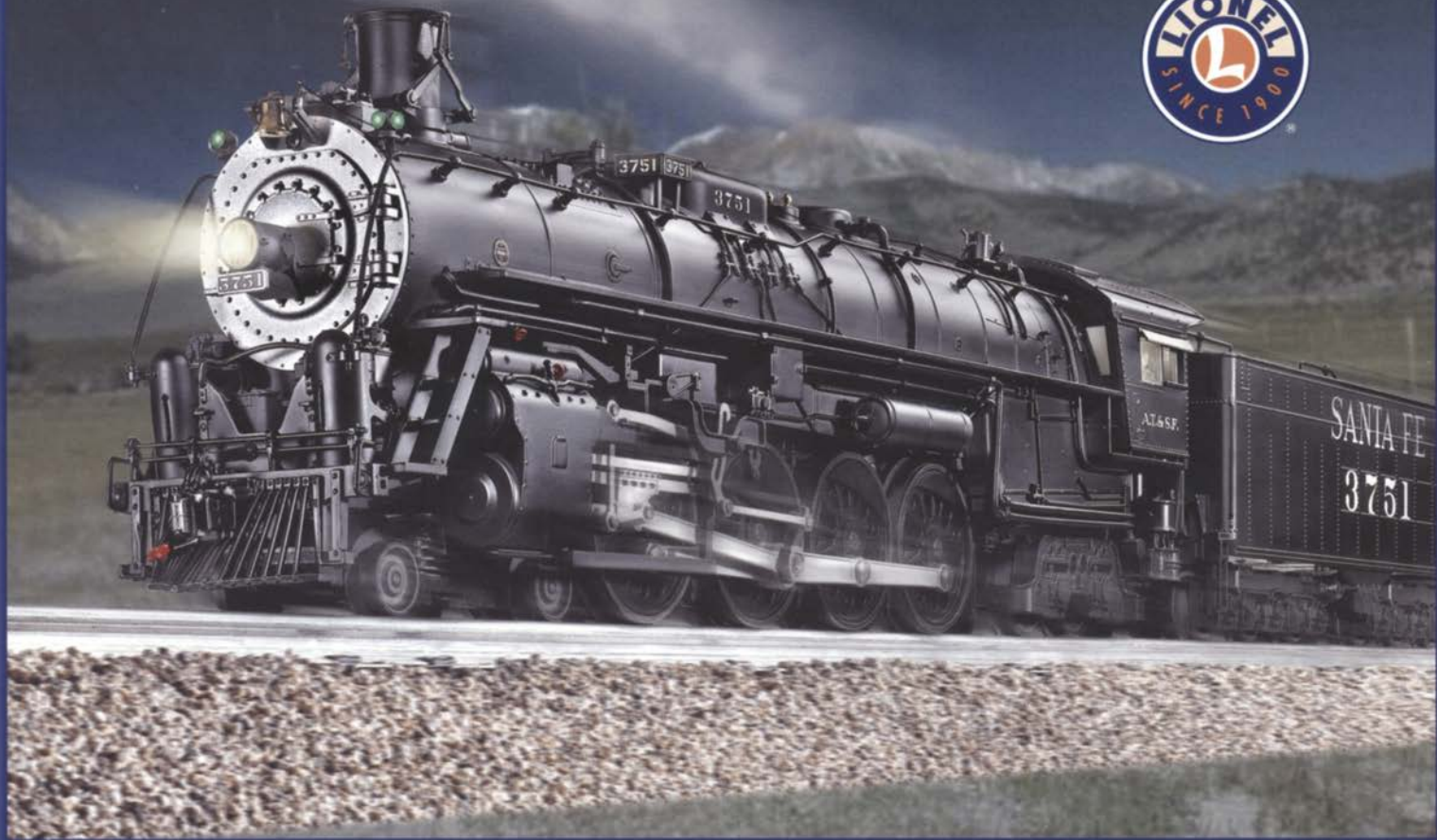


Santa Fe 4-8-4 Northern

First Special Introduction of 2004



LOCOMOTIVE FEATURES:

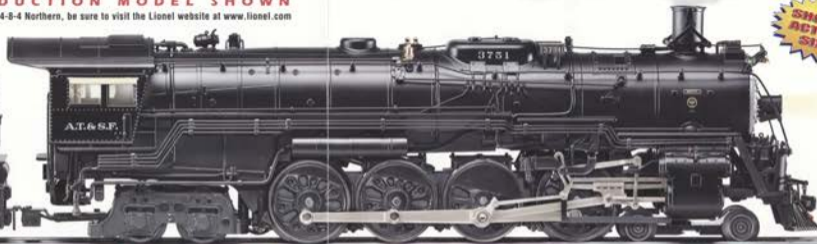
- Proton Pack all-new tooling
- TrainMaster™ Command Control equipped—able to run in Command Control Mode or in Conventional Transformer Control Mode
- DigiSound™ System for sound control with 10/12V switch
- Refined Conventional Transformer Control Mode with lower starting speeds, improved smoke output and simplified DigiSound System controls
- RailSounds™ 5.0 sound system with new mid/high tone take "dialing" tone "lower" announcements, and additional operator-controlled sound effects such as a water sprayer
- DualChuff™ synchronized chuffing, with a manual mode that allows the operator to easily shift chuff intensity among 10 different levels
- Independently adjustable volume control
- Dual "Falling" speakers for the ultimate in sound reproduction
- High torque "Pittman" motor with momentum System
- Wireless "Tether" connection between locomotive and tender
- Operating headlight and marker light on rear of tender
- Illuminated classification lights on the locomotive
- Illuminated number boards on the locomotive
- Die-cast metal locomotive body, frame, pilot and trucks
- Scale front coupler with interchangeable 3 gauge coupler
- Two traction lines
- Synchronized low-draw smoke unit
- Separately applied metal details including coal bins, whistle cord and bell cord
- Painted interior and exterior when finished
- Accurately separately applied builder's plates
- Illuminated cab interior
- Opening cab roof hatches
- Sliding cab windows with window glass
- Engineer and fireman figures
- Die-cast metal tender body and trucks
- Individually opening tender water hatches reveal easy-to-access RailSounds controls
- ElectroCoupler™ on rear of tender
- Blomman Curve D-54
- Length: 27 1/4"

RailSounds
5.0



ACTUAL PRODUCTION MODEL SHOWN

For even more views of the Santa Fe 4-8-4 Northern, be sure to visit the Lionel website at www.lionel.com



**SHOWN
ACTUAL
SIZE**



Revised tender with individually opening hatches that reveal RailSounds® controls

Many separately applied metal detail parts

Interchangeable straight "Smoke Boxer" and telescopic stacks included

Locomotive includes opening roof hatches, lighted number boards and accurate builder's plate

Each side view of the Santa Fe 4-8-4 Northern showing the interchangeable Blomman smoke stack

LOCOMOTIVE FEATURES:

- Produced from all-new tooling
- TrainMaster® Command Control equipped—able to run in Command Control Mode or in Conventional Transformer Control Mode
- Odyssey® System for speed control with ON/OFF switch
- Refined Conventional Transformer Control Mode with lower starting speeds, improved smoke output and simplified Odyssey System controls
- RailSounds® 5.0 sound system with new intelligible CrewTalk™ dialog, more TowerCom™ announcements, and additional operator-controlled sound effects such as a water injector
- DynaChuff™ synchronized chuffing, with a manual mode that allows the operator to easily shift chuff intensity among 15 different levels
- Independently adjustable volume control
- Dual FatBoy™ speakers for the ultimate in sound reproduction
- High-torque Pittman® motor with momentum flywheel
- Wireless Tether™ connection between locomotive and tender
- Operating headlight and marker light on rear of tender
- Illuminated classification lights on the locomotive
- Illuminated number boards on the locomotive
- Die-cast metal locomotive body, frame, pilot and trucks
- Scale front coupler with interchangeable 0 gauge coupler
- Two traction tires
- Synchronized fan-driven smoke unit
- Separately applied metal details including sand lines, whistle cord and bell cord
- Painted interior and exterior valve handles
- Accurate separately applied builder's plates
- Illuminated cab interior
- Opening cab roof hatches
- Sliding cab windows with window glass
- Engineer and fireman figures
- Die-cast metal tender body and trucks
- Individually opening tender water hatches reveal easy-to-access RailSounds controls
- ElectroCoupler™ on rear of tender
- Minimum Curve: 0-54
- Length: 27 1/4"

(6-38055) Santa Fe 4-8-4 Northern \$1199.99

RailSounds® 5.0

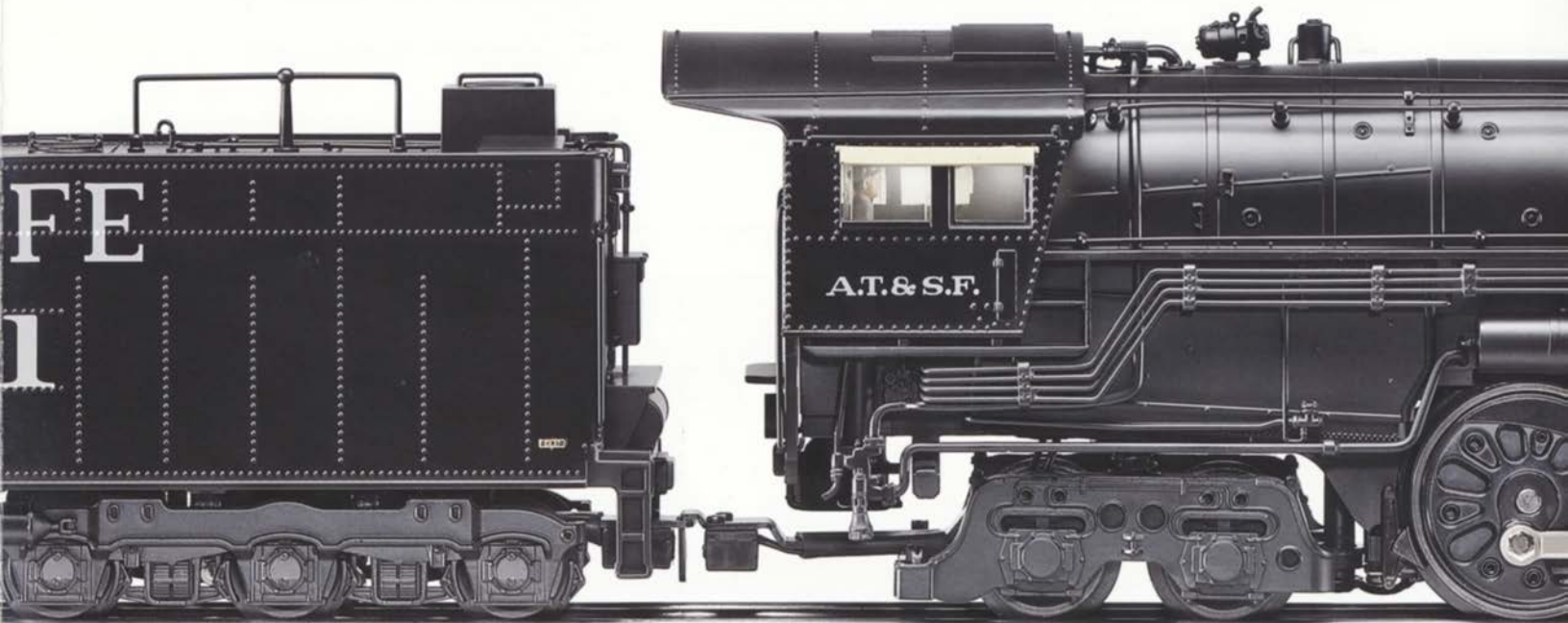


Detailed tender with individually opening hatches that reveal RailSounds® controls

Me

ACTUAL PRODUCTION MODEL SHOWN

For even more views of the Santa Fe 4-8-4 Northern, be sure to visit the Lionel website at www.lionel.com



Many separately applied metal detail parts



Interchangeable straight, "smoke bonnet" and telescopic stacks included



Locomotive includes opening roof hatches, lighted number boards and accurate builder's plate





**SHOWN
ACTUAL
SIZE**



Left side view of the Santa Fe 4-8-4 Northern showing the interchangeable telescopic smoke stack



The first Lionel® special introduction of 2004 marks the first die-cast metal O gauge model of a very famous steam survivor—Santa Fe #3751. After a distinguished 26 year career and later decades spent dormant as a park display, the big Northern was brought back to life as a fully operational steam locomotive that still makes excursion runs.

Scale-sized with exquisite separately applied detailing and fully-featured, including the RailSounds® 5.0 sound system, this Lionel locomotive offers a fitting tribute to a true American classic.

A joint effort between the Atchison, Topeka & Santa Fe Railway and the Baldwin Locomotive Works, Santa Fe #3751 left Baldwin's Philadelphia erecting hall in 1927. The new 4-8-4 Northern filled the railroad's need for faster, more reliable power to handle the heavier steel passenger trains of the modern steam era. Santa Fe #3751 marked the first Northern ever built by Baldwin and proved to be the first of an eventual fleet of 65 to run along the Santa Fe's vast 2,200 mile mainline.

This new scale-sized model depicts the locomotive in her prime, after a 1936 oil conversion that equipped the steamer with a massive 20,000 gallon tender. From the turret valves to the fully round air cylinders beneath the running boards, most of the metal appliances and piping are separately applied, including the sand lines. This new model even includes three

different press-in smokestacks—a standard straight stack, an extended telescopic stack and an extended “smoke bonnet” stack. Our locomotive also accurately recreates the 4-8-4 after a major 1941 rebuilding that installed larger 80-inch drivers and replaced the twin sand domes with a single dome. The rebuilt 4-8-4 produced 66,000 pounds of starting tractive effort and generated 3,600 drawbar horsepower. Her maximum speed reached 90 miles per hour.

Such performance brought Santa Fe #3751 to record breaking duty between Kansas City and Los Angeles in the early 1940s. The 1,789 mile stretch marked the longest regularly scheduled run of any steam locomotive. It's no wonder that the big Northern led some of the most prestigious trains in the West, including *The Chief*. See the back cover of this brochure for all-new heavyweight cars available for you to create your own exciting passenger consist.

Coupled with two FatBoy™ speakers, the RailSounds 5.0 sound system captures the rail-pounding thunder of #3751 that once echoed over tough routes like Tehachapi Pass. This new industry standard in O gauge sound offers more variety and the best overall sound quality available. New, intelligible CrewTalk™ dialog and enhanced TowerCom™ announcements provide even more train crew characters and operator interaction. Dialog scenarios even differ depending on whether the

locomotive is stopped or in motion. Updated DynaChuff™ synchronized chuffing now features 15 levels that subtly build in intensity as the locomotive's speed increases, or can be set manually with the CAB-1 Remote Controller® for customized effects. The enhanced MultiWhistle™ effect doubles the variety of whistle blows. A new water injector feature simulates the sound of water rushing to fill the thirsty boiler. An independently adjustable volume control allows the operator to soften background effects such as chuffing, while keeping operator-controlled effects such as the whistle, bell or crew dialog at full volume, all from a CAB-1 Remote Controller. Those who prefer to run their trains on a non-TMCC® layout are not left behind by the RailSounds 5.0 sound system. Many remote controlled effects such as CrewTalk dialog and TowerCom announcements are accessible with a conventional transformer. With unsurpassed features, this Lionel steamer offers an accurate operating replica of a piece of living history.

The distinguished career of Santa Fe's first Northern ended in 1953 when her fire was extinguished. Later the railroad donated the locomotive to the city of San Bernardino where she remained on display in Viaduct Park for over a quarter century. Rebuilt by the San Bernardino Railroad Historical Society during the 1980s, Santa Fe #3751 has made excursion runs since 1991 and is even on the National Register of Historic Places.

Santa Fe *The Chief* Heavyweight Passenger Cars

Pulled behind your new Santa Fe Northern, this new passenger car 4-Pack, along with a matching 2-Pack and StationSounds™ diner, recreates one of the most famous trains in America. Along with the finest features found in any O gauge heavyweight, each of these new cars is upgraded with newly designed die-cast metal sprung six-wheel trucks. The Heavyweight Diner even includes the StationSounds sound system featuring dining reservation calls, arrival/departure announcements and even the "clickety-clack" of the cars as they roll down the rails.

4-PACK INCLUDES:

- Combination car, two sleepers, observation car

2-PACK INCLUDES:

- Baggage car and sleeper

DINING CAR INCLUDES:

- StationSounds sound system



**ALL-NEW
SPRUNG TRUCKS!**

FEATURES:

- All-new die-cast metal sprung trucks and operating couplers with hidden uncoupling tab
- Metal frames
- Authentically detailed and painted interiors
- Interior lighting with ON/OFF control
- Opening doors
- Passenger figures
- Flexible diaphragms between cars
- Illuminated drumhead on observation car
- Minimum Curve: O-42
- Length: 4-Pack: 76"
2-Pack: 38"
Diner: 19"

(6-15545) Santa Fe *The Chief* StationSounds Diner \$269.99



(6-15542) Santa Fe *The Chief* Heavyweight 2-Pack \$229.99



(6-15526) Santa Fe *The Chief* Heavyweight 4-Pack \$449.99



Any reproduction, transmission, or dissemination of the material herein is strictly prohibited. Trademarks owned by Lionel L.L.C. are indicated throughout this document. Items depicted in this brochure are subject to change in price, color, size, design and availability. Verify features on product package. Retail prices are suggested. See your authorized Lionel retailer for more information.

50625 Richard W. Boulevard • Chesterfield, Michigan 48051-2493
United States of America • Phone: 586-949-4100 • E-Mail: talktous@lionel.com
www.lionel.com



COPYRIGHT 2004 LIONEL L.L.C.