

LIONEL CLASSIC TRAINS

1 9 9 8



Milwaukee Road • BNSF Dash 9 Diesel Locomotive • Western Maryland Baby Pacific • New

New York Central • Santa Fe • Chicago & Burlington • Quincy • Pennsylvania • Centennial

Custom Series I • Santa Fe Alco PB-1 • Canadian National • Government du Canada ACF



Thomas the Tank Engine • Clarabel the Coach • Pacific Fruit Express • New York Central

Gondola • Canadian Pacific • Western Pacific • Port Huron and Detroit • Boston & Maine



All locomotives, rolling stock, and track in this catalog are made proudly at our manufacturing facilities in Chesterfield, Michigan, U.S.A., except for switches and portions of the following: the Chey on the Southern Pacific Flatcar; Canadian National 4-6-2 Steam Engine; Norfolk & Western 4-6-2 Steam Engine; Thomas the Tank Engine; Clarabel the Coach; Annie the Coach; T.T.U.X. with Apple Trailers; Pennsylvania High Rail Vehicle; and train sets.

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To tour the Visitor's Center, call 1-810-949-4100. Reservations are required.

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inside back cover folds out
to provide a handy reference to
Lionel features



What

What makes one locomotive

In this case,



NEW Odyssey™ motor
Command™
controlled
transformer
controlled
injection-molded
plastic body
stamped metal frame
die-cast trucks
magnetic die-cast
couplers
RailSounds™ in
A-unit
(authentic FT sounds)
TowerCom™
CrewTalk™
dual headlights
die-cast fuel tank

Deluxe Featured New York Central FT Powered A-Unit/Non-Powered B-Unit

\$499.95

24 inches
minimum radius
0-27
part no.
6-18160
A-unit/B-unit road no.s
1603/2403
168
\$499.95

NEW Odyssey motor
transformer
controlled
Command ready
(order part no. 6-22960)
injection-molded
plastic body
stamped metal frame
die-cast trucks
magnetic die-cast
couplers
SignalSounds™
dual headlights
die-cast fuel tank

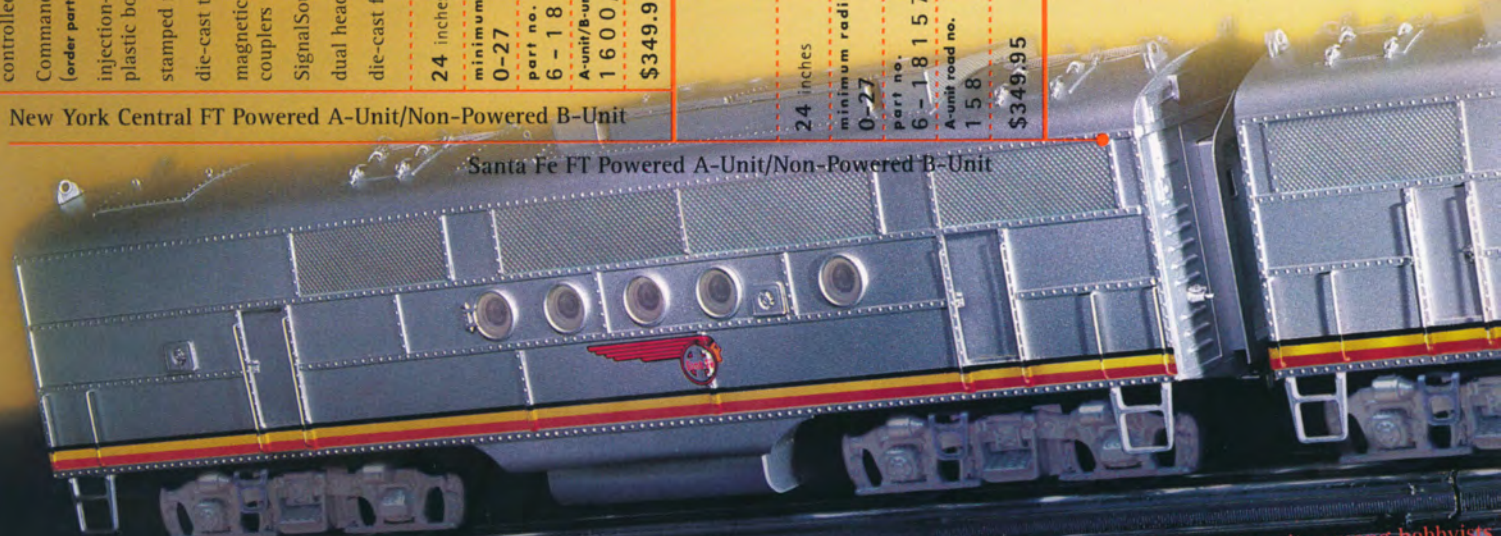
New York Central FT Powered A-Unit/Non-Powered B-Unit

24 inches
minimum radius
0-27
part no.
6-18163
A-unit/B-unit road no.s
1600/2400
\$349.95

Deluxe Featured Santa Fe FT Powered A-Unit/Non-Powered B-Unit

24 inches
minimum radius
0-27
part no.
6-18157
A-unit road no.
158
\$349.95

Santa Fe FT Powered A-Unit/Non-Powered B-Unit



Lionel F3 is **an icon of O-gauge railroading**; its unique classic look has been a favorite among hobbyists the FT was **the first streamlined diesel ever developed**. After initial shipments to Santa Fe in nimble sibling of the Lionel F3, similarly scaled in size and proportion for that unmistakable Lionel look. To finish off our

defines a locomotive?

different from another?

They're questions we think about a lot.

however, it didn't take long to conclude that **the motor is the**

heart and soul of every locomotive

in real life and on the layout.



2 | 3



since its introduction in 1948. And now, the next chapter in the Lionel F series legend—the EMD FT. Predecessor to the F3,

1941, the F series became a common sight at the head of passenger and freight trains alike. We developed the FT as a smaller and more

all-new cab, frame, and trucks, we offer our first version of the FT dressed in the legendary Santa Fe warbonnet paint scheme.

the motor i

So we set out to **improve upon the legendary Lionel Pullmor® motor**. We put it on a Hysteresis Brake and a Dynamometer, and measured its current, power in, power out, rpm, and efficiency. We graphed each of these variables against torque, measured in gm-cm. And we analyzed its start-up and its coasting characteristics. And what we found wasn't too surprising. The Lionel Pullmor motor is a brute. Very reliable and very durable, it is classic Lionel.

But we weren't content to stop there. We wondered if **an entirely new approach to motor design** would allow us to enjoy significant improvements in performance while retaining the durability and the charm of this railroading classic. To help us, we contacted a couple of engineers who had a lot of experience in designing high-performance, precision magnetic motors. And after we listened to their inevitable stories about the Lionel trains they had as kids, we set out on our journey of **technological breakthrough**.

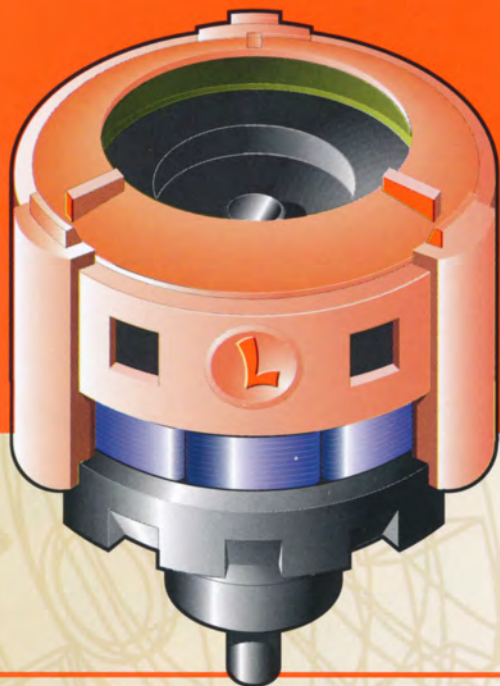
The result: The Lionel Open-Frame Brushless Motor—**the Odyssey**—a motor designed specifically for Lionel model locomotives. (You won't find this motor in the appliances around your house.)

This new motor design will appear on a number of products in 1998. But we have no intention of discontinuing our Pullmor motor. In fact, we will continue to build on the improvements we made in recent production releases. Call us sentimental, but we think there's still a place for the past. "The best of the past and the future." It's a motto we believe in and a principle that we build into everything we do.



the heart and soul

S



Here are some of the benefits you'll enjoy:

Reduced Cogging

Forces: The new Lionel brushless motor has nine stator poles, versus two on the Lionel Pullmor, and eight rotor poles, versus three on the Pullmor. This will give operators an incredibly smooth performance at low speeds.

Increased Power:

We told the engineers that we want to pull stumps. So that's what they gave us. We can make big motors that will kick out rails, and we can make smaller versions that will allow us to put brute force into small packages.

Reduced Power

Consumption: Because of an efficiency rating expected to be more than double that of the Pullmor, this motor will generate more power output while requiring substantially less power input, perhaps as much as half. To the operator, that means you can run more engines in any given power block, at less strain to your system.

No Maintenance Required:

Frankly, this is the only reservation we have with this motor. We think maintaining our motors is part of the fun. But for those who don't share that view, this motor never needs oiling.

Open-Frame Design:

Unlike a can design, you can see into our motor as it operates, retaining one of the features we find so magical about the Pullmor.




4 | 5

Made in the USA:

We will make this unique motor right in our Chesterfield facility.



of every locomotive



Pullmor AC motor
Command controlled
transformer
controlled
injection-molded
plastic body
stamped metal frame
die-cast trucks
ElectroCoupler™
Magne-Traction®
illuminated interior
special Phantom
sound

14 inches

minimum radius

0-31


part no.

6-18860

\$399.95

The Pratt's Hollow Collection I: The Phantom

The Phantom



A friend of ours found several boxes of **old drawings and diagrams** in the attic of an otherwise empty farmhouse he recently bought in Pratt's Hollow, Missouri. As he browsed through them, his curiosity turned first to wonder, then to excitement and awe.

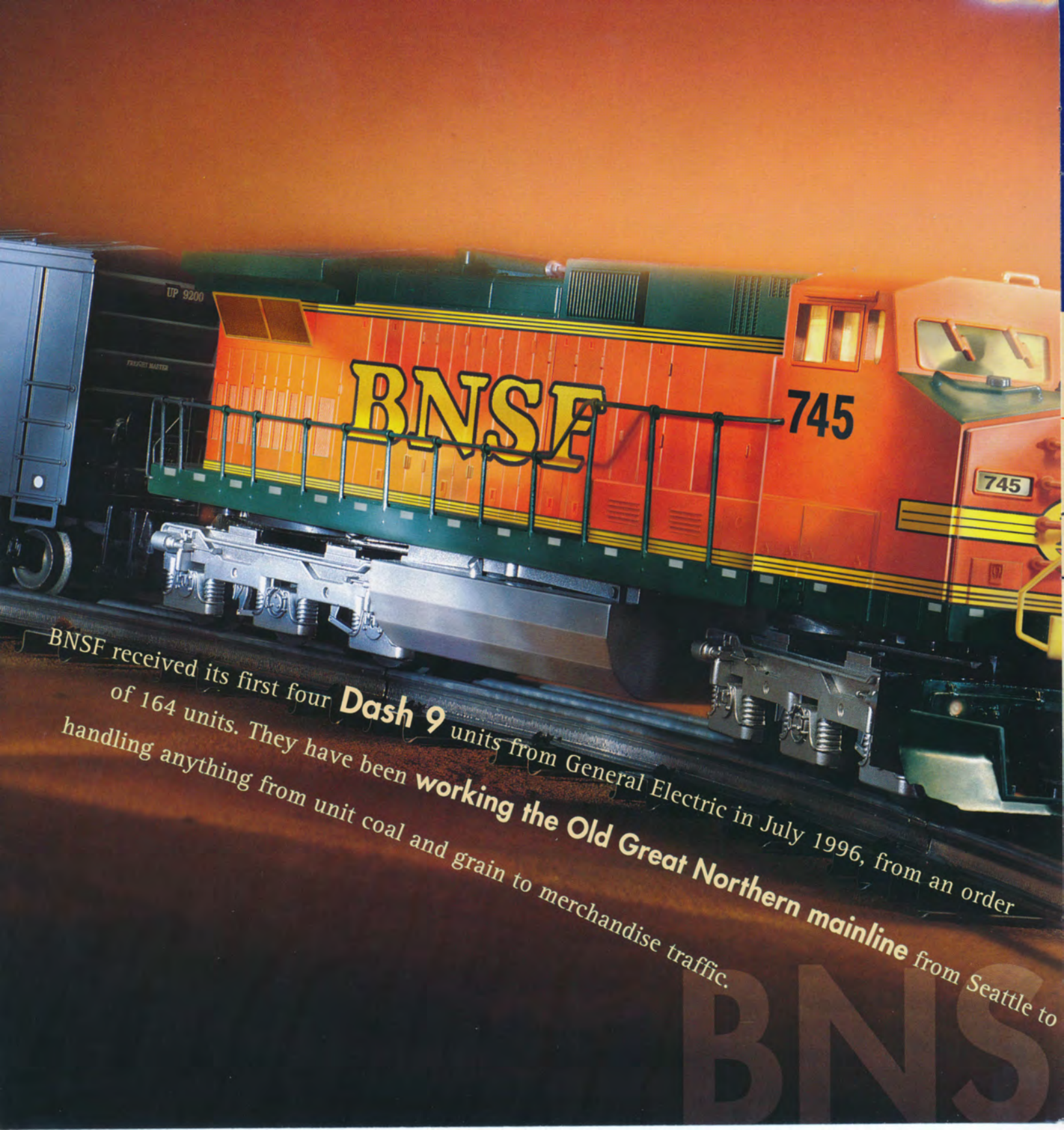
No one seems to know where the papers came from: Former owners of the farmhouse claim no knowledge of them, and the papers themselves are encoded. We believe, based on certain cryptic references among the papers, that **a secret society of professional railroad designers** was formed in the 1920s. How and why they formed, who was involved, what their purpose was—all this is anybody's guess. Perhaps they wanted to design locomotives that would have been too expensive, or too radical, or both, to have ever been produced. Perhaps they simply wanted to indulge **a pure passion for train design** that transcended economic and corporate realities.

We *do* know the members took extreme measures to protect their identities. Although we have been unable to decipher the encrypted documents completely, we have translated tantalizing scraps. It's apparent that no one member knew the identities of all the other members; and that, therefore, an elaborate protocol was developed to enable the participants to communicate with each other. It's also apparent that the members were extremely talented. Whoever they were, wherever they came from, whatever they feared so strongly to operate so anonymously . . . they left a unique and remarkable legacy in this mysterious repository of **magnificent train designs.**

When the designs were brought to our attention, we knew we had to build these trains. The first to come to life is **The Phantom**, named in honor of its shadowy origins. We hope that the members of what we have come to call the Pratt's Hollow Design Society (PHDS), if any are still alive, are as thrilled to see this as we are.

The trains in the **Pratt's Hollow Collection** are not prototypical and they're not true to life (they never existed). The markings are not accurate (they don't have any). And the paint schemes have never been seen on any real rails, anywhere. Even this story is a product of our imagination. But they are spectacular trains that might have been built, should have been built, and are—finally—being built.





BNSF received its first four **Dash 9** units from General Electric in July 1996, from an order of 164 units. They have been **working the Old Great Northern mainline** from Seattle to handling anything from unit coal and grain to merchandise traffic.

BNSF



Deluxe Featured BNSF DASH-9 Diesel Locomotive

- 2 Pullmor AC motors
- Command controlled transformer controlled
- injection-molded plastic body
- die-cast frame
- die-cast trucks
- ElectroCouplers
- RailSounds
- TowerCom
- CrewTalk
- oscillating ditch lights
- directional lighting

16-1/2 inches
 minimum radius
 0-31
 part no.
 6 - 1 8 2 3 1
 road no.
 739

\$699.95

set of two

part no.
 6 - 1 8 2 3 5
 road no.
 739, 740
\$1399.95



8 | 9

BNSF DASH-9 Diesel Locomotive

- 2 Pullmor AC motors
- transformer controlled
- Command ready
(order part no. 6-22960)
- injection-molded plastic body
- die-cast frame
- die-cast trucks
- magnetic die-cast couplers
- SignalSounds

16-1/2 inches
 minimum radius
 0-31
 part no.
 6 - 1 8 2 3 3
 road no.
 745

\$499.95

Chicago, DASH-9

This accessory is such a natural for any layout, we can't believe we haven't done it. We've incorporated our latest sound and operating technology into a **fully functional refueling station** that you can use to automatically deliver coal and smoke fluid. (Operates remotely with or without Lionel TrainMaster.) Mike Fulmer, well-known special effects designer (see related story on page 18), has given it that special touch of **Lionel magic**. The man who works in the shed even comes out and speaks each time an appropriate function is performed.

die-cast base
sounds
illumination
functional water
spout
functional coal
delivery
animated shed
caretaker
simulated coal
included

dimensions
11-1/4"H x 15"L x
5-3/8"W

opening dimensions
5-1/2"H x 4-1/8"W

part no.

6-22920

\$349.95

Steam Service Siding | 6-22920





NEW Odyssey motor
 Command controlled
 transformer
 controlled
 die-cast body
 stamped metal frame
 die-cast trucks
 ElectroCoupler
 Magne-Traction
 Wireless Tether™
 RailSounds
 Tower Com
 CrewTalk
 directional lighting
 Dyna-Chuff™

Deluxe Featured Western Maryland Baby Pacific 4-6-2

18-1/4 inches
 minimum radius
 0-27
 part no.
 6-18059
 road no.
 209
 \$499.95

NEW Odyssey motor
 transformer controlled
 Command ready
 (order part no. 6-22960)
 die-cast body
 stamped metal frame
 die-cast trucks
 Magne-Traction
 SignalSounds

18-1/4 inches
 minimum radius
 0-27
 part no.
 6-18070
 road no.
 208
 \$349.95

Western Maryland Baby Pacific 4-6-2



Western Maryland Pacifics were used in commuter
 and long-haul passenger trains. These locomotives

handled all passenger traffic from Baltimore and points west until
 the arrival of the Diesel Age.

Service Siding

NEW injection-
molded plastic body
stamped metal frame
die-cast trucks
magnetic couplers
constant lighting

14 inches

minimum radius

0-31

part no.

6-18576

\$199.95

Southern Pacific GP-9 Non-Powered B-Unit

Railroads bought B-units so they wouldn't have to pay for rarely-used cabs.

The train had **the power, without the cabs,** of the regular GP-9 locomotives.





New York Central GP-9 Non-Powered B-Unit

NEW injection-
molded plastic body
stamped metal frame
die-cast trucks
magnetic die-
cast couplers
constant lighting

14 inches

minimum radius
0-31

part no.
6 - 1 8 5 7 7

\$199.95



12 | 13

GP-9 B-Unit Upgrade Kits

Standard Upgrade Kit

includes all parts necessary
to add ElectroCouplers and
directional lighting

part no.
6 - 2 2 9 6 1

\$59.95

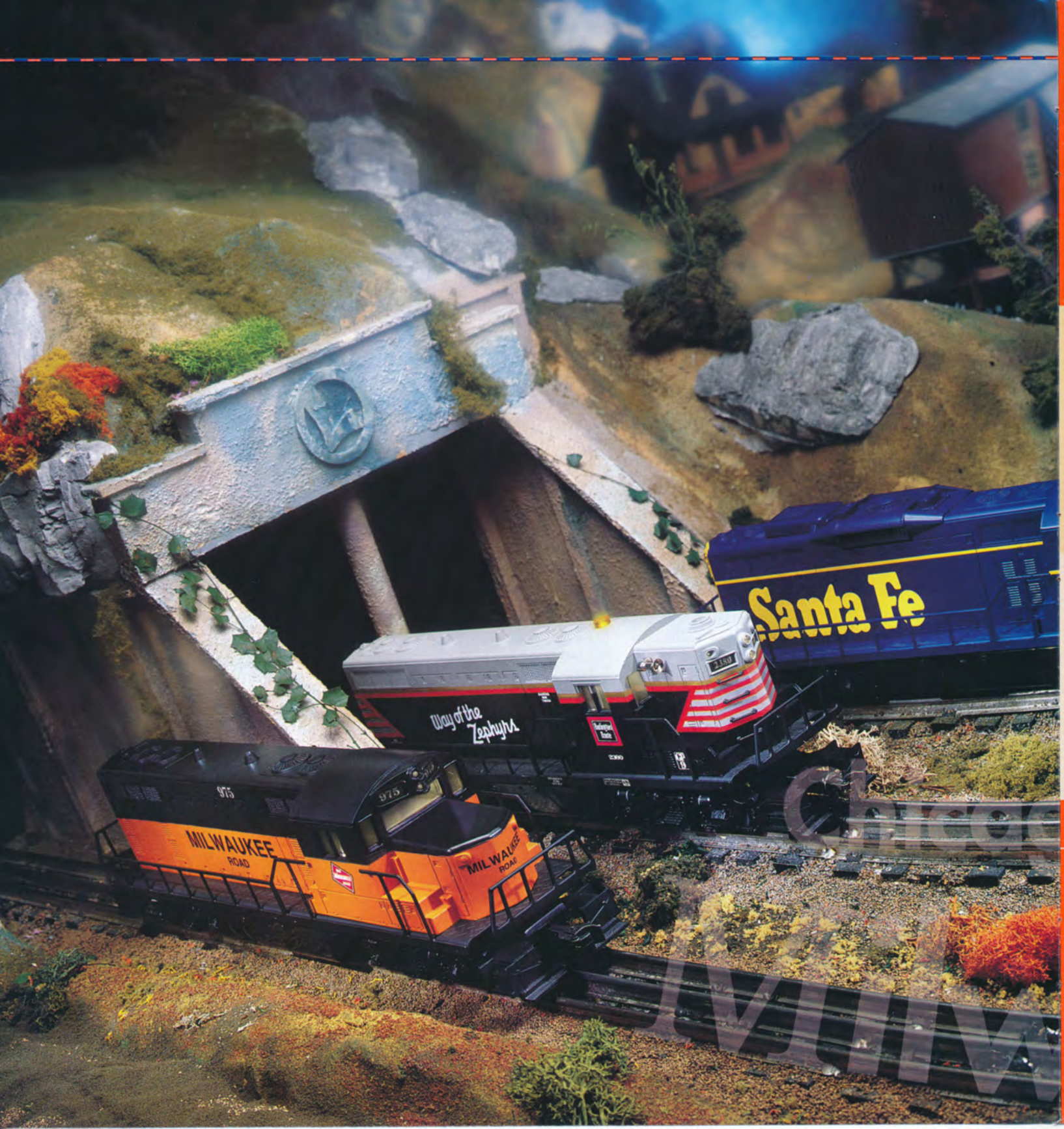
Deluxe Upgrade Kit

same as standard, plus
preassembled trucks

part no.
6 - 2 2 9 6 2

\$99.95

Pacific



MILWAUKEE
ROAD

975

Way of the
Zephyrs

Santa Fe

MILWAUKEE
ROAD

975

LIVINGS



Milwaukee Road GP-20

Pullmor AC motor
Command controlled
transformer controlled
injection-molded
plastic body
stamped metal frame
die-cast trucks
ElectroCouplers
Magne-Traction
RailSounds
TowerCom
CrewTalk
directional lighting
strobe

14 inches
minimum radius
0-31
part no.
6 - 1 8 5 7 4
\$349.95

Chicago, Burlington & Quincy GP-9 Diesel

Pullmor AC motor
Command controlled
transformer controlled
injection-molded
plastic body
stamped metal frame
die-cast trucks
ElectroCouplers
Magne-Traction
RailSounds
TowerCom
CrewTalk
directional lighting
strobe

14 inches
minimum radius
0-31
part no.
6 - 1 8 5 6 9
\$339.95

Santa Fe GP-9 Diesel: Freight

Pullmor AC motor
transformer controlled
Command ready
(order part no. 6-22960)
injection-molded
plastic body
stamped metal frame
die-cast trucks
Magne-Traction
SignalSounds
strobe

14 inches
minimum radius
0-31
part no.
6 - 1 8 5 7 3
\$199.95



Santa Fe
Chicago, Burlington & Quincy
Milwaukee Road

1998 Centennial Series Consist 1998-1, 1998-2, 1998-3, 1998-4

injection-molded
plastic body
die-cast trucks
magnetic die-cast
couplers
metal brake wheel

11 inches

minimum radius

0-27

part no.

6 - 11849

\$199.95

1998 Centennial Series GP-20 1998

Pullmor AC motor
Command controlled
transformer controlled
injection-molded
plastic body
die-cast metal frame
die-cast trucks
Magnetic die-cast couplers
RailSounds
CrewTalk
special Centennial sound
directional lighting

14 inches

minimum radius

0-31

part no.

6 - 18858

\$349.95

STOP
LOOK
LISTEN





Centennial Series



16 | 17

The **second** engine in our Centennial Series,

celebrating the countdown to our 100th birthday in 2000. This GP-20

is decorated with the **Lionel logo** used in 1917.



Fulmer

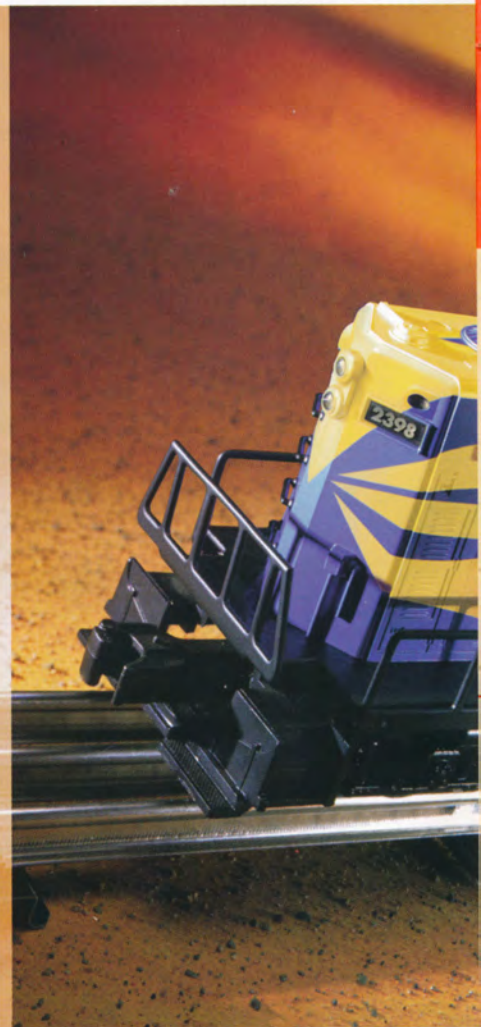
He's a screenwriter, toy designer, welder, professional modeler, museum curator—even an ex-Marine—but his experiences don't stop there!

Mike Fulmer has displayed his **incredible talents in design and special effects** in top films such as *Star Wars*, *E.T.*, *Back to the Future (I and II)*, *Die Hard II*, and countless others. He has worked with the best filmmakers in the business and has rightfully earned high respect for his trade.

• We at Lionel couldn't be more pleased to now have him on our team.

For 1998, train enthusiasts will see the first of what we hope will be many Mike Fulmer accessories and designs added to the product line. The first in The Lionel Custom Series (shown here), as well as the operating Steam Service Siding on page 10, are his first introductions. A Locomotive Backshop appears in the 1998 Heritage catalog.

We are thrilled to benefit from Mike's expertise as we venture forward in creating **innovative accessories** for our core products. And how does he feel about his role in Lionel product development? "I'm just a tool, an implement, a staging process during the evolution of a Lionel product," says Mike. "Lionel has the initial concept and vision for new product. They hire me to **give the idea life**. I'm sort of a bridge between their rough concepts and functional reality."

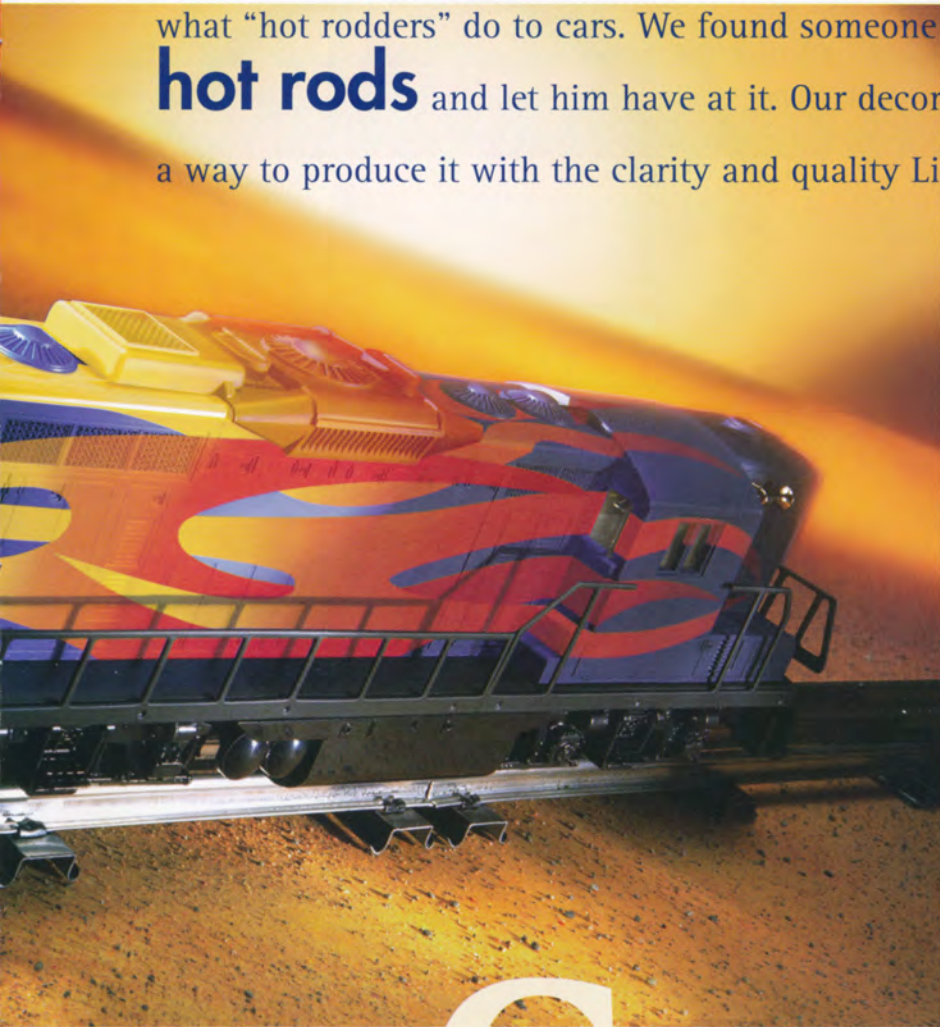


We wondered what the guys who decorate locomotives might do if money was no object and they didn't have to worry about official markings. We thought they might do what "hot rodders" do to cars. We found someone who had some experience with **hot rods** and let him have at it. Our decorating engineers ultimately found a way to produce it with the clarity and quality Lionel is known for. We like it

so much that we've decided to make it **the first in The Lionel Custom Series.**



18 | 19



Custom Series I GP-9 2398

- Pullmor AC motor
- Command controlled transformer controlled
- injection-molded plastic body
- stamped metal frame
- die-cast trucks
- ElectroCouplers
- RailSounds
- TowerCom
- CrewTalk
- directional lighting strobe
- finished cab interior

14-1/8 inches

minimum radius

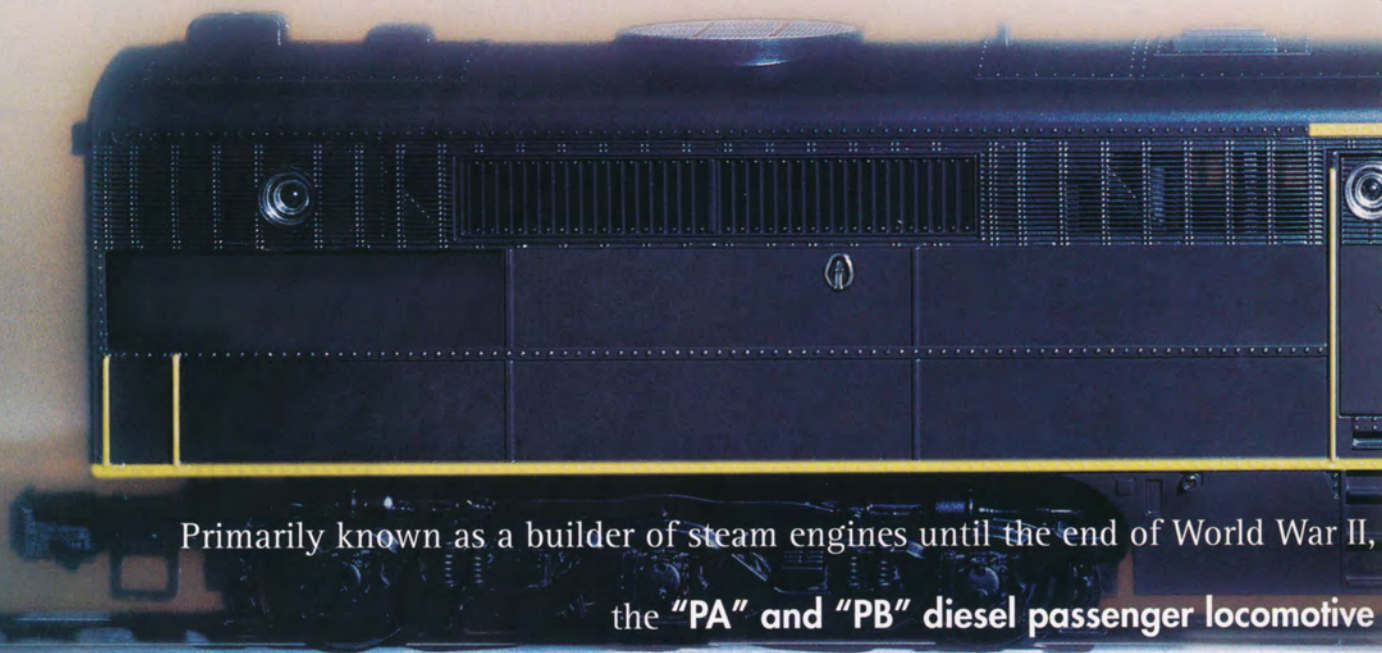
0-31

part no.

6 - 1 8 5 7 5

\$399.95

Custom series



Primarily known as a builder of steam engines until the end of World War II, the "PA" and "PB" diesel passenger locomotive

Over the next three years, a total of 170 PA-1 units and 40 PB-1 units
Five PA-1s, numbered 850-854, were delivered to the Erie in April 1949. **This**
for the railroad. The roster of PA-1s for the Erie was complete



the American Locomotive Company (Alco) started producing series in 1946, using its own 16-cylinder turbocharged Vee engine. were sold.

was the first large road 2000-hp passenger power with the addition of seven more by November 1949.

2 DC motors	injection-molded plastic body	injection-molded plastic body	16-3/4 inches	part no.	6-18961	\$399.95
Command controlled transformer controlled	die-cast frame	stamped metal frame	minimum radius	0-31		
	die-cast trucks	die-cast trucks				
	ElectroCouplers	ElectroCouplers				
	RailSounds	RailSounds				
	detailed cab interior with engineer figure					

Erie Alco PA-1

injection-molded plastic body	16-3/4 inches	part no.	6-18965	\$334.95
stamped metal frame	minimum radius	0-31		
die-cast trucks				
ElectroCouplers				
RailSounds				

Santa Fe Alco PB-1

injection-molded plastic body	16-3/4 inches	part no.	6-18966	\$334.95
stamped metal frame	minimum radius	0-31		
die-cast trucks				
ElectroCouplers				
RailSounds				

New York Central Alco PB-1

Norfolk & Western 4-6-2 Steam

Precision DC
can motor
with flywheel
transformer
controlled
die-cast body
stamped metal
frame on tender
die-cast
tender trucks
magnetic die-cast
coupler on tender
classic whistle
illuminated
headlight
metal handrails
smoke

18-1/4 inches

minimum radius

0-27

part no.

6 - 1 8 6 6 1

\$279.95

Pennsylvania 0-4-0 Switcher

DC motor
transformer
controlled
die-cast engine
body
stamped metal
frame
die-cast
tender trucks
magnetic die-cast
coupler on tender
injection-molded
tender
directional lighting
intricate boiler
detail

14-7/8 inches

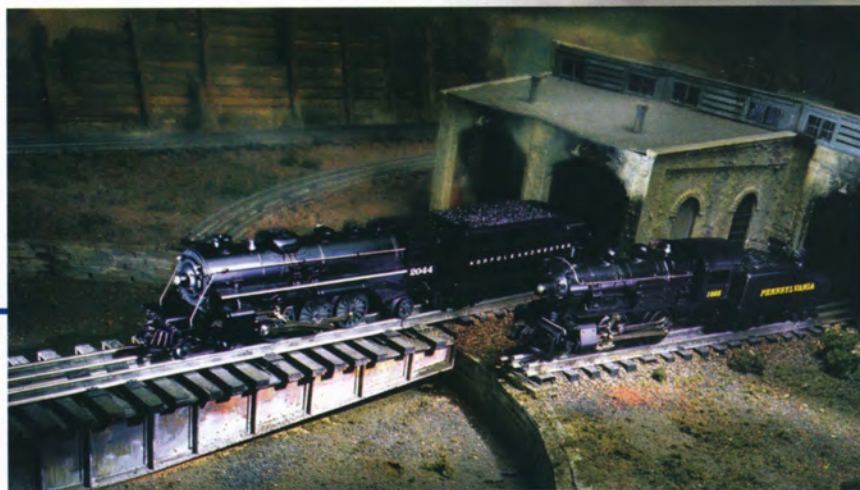
minimum radius

0-27

part no.

6 - 1 8 6 6 2

\$279.95



Canadian National 4-6-2 Steam

Precision DC can
motor with flywheel
transformer
controlled
die-cast body
plastic frame
die-cast tender trucks
magnetic die-cast
coupler on tender
classic whistle
in tender
illuminated headlight
smoke
metal handrails

18-1/4 inches

minimum radius

0-27

part no.

6 - 1 8 6 6 0

\$279.95

The CN's
from coast to coast

Canadian



Pacific was used to haul Canada's number-one commodity, wheat, for export to the United States or offshore markets.

The Pacific also took on the **fast passenger runs** through the CN's huge rail system.

National

Thomas the Tank Engine

Annie the Coach

injection-molded
plastic body
plastic frame
plastic trucks

6 inches

minimum radius
0-27

part no.
6 - 15117

\$34.95



Thomas the Tank Engine

DC can motor
transformer
controlled
injection-molded
plastic body
plastic frame

8-1/4 inches

minimum radius
0-27

part no.
6 - 18719

\$129.95



Annie

Clarabel

Clarabel the Coach

injection-molded
plastic body
plastic frame
plastic trucks

6 inches

minimum radius
0-27

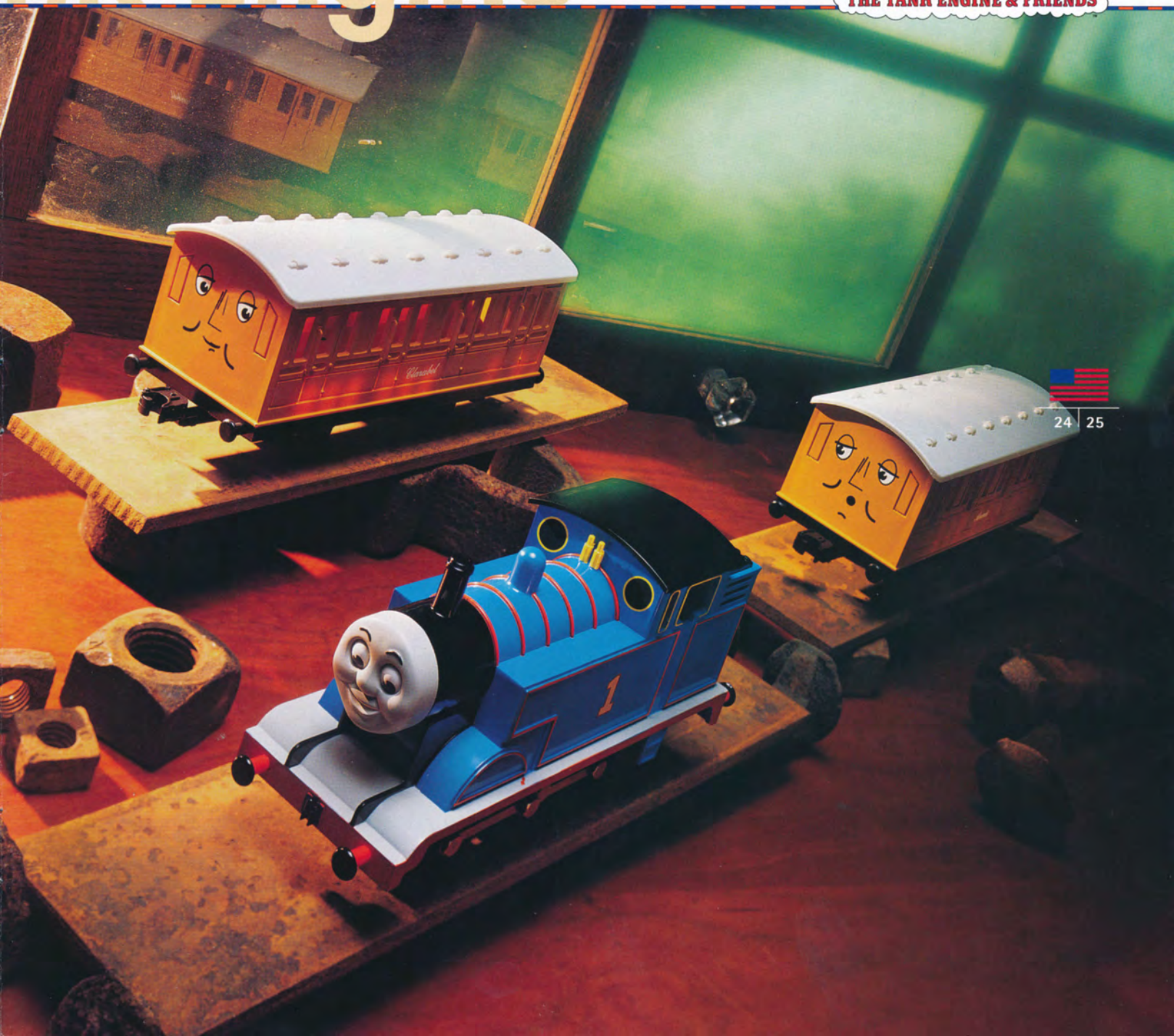
part no.
6 - 15118

\$34.95



nk Engine

THOMAS
THE TANK ENGINE & FRIENDS





This **new classic** is sure to be the hit of your layout. We started with the classic 3376, and outfitted it with a new mechanical trip mechanism . . . then we added **full Command control and CarSounds**. That means you can make the animal go down using the trip sensors provided, or simply by hitting a button on your CAB-1*. Either way, the **giraffe** ducks until the danger has passed. And wait until you hear the sounds this car makes!

* must have TrainMaster® Command Base installed (one per layout)

Animated Giraffe Car

Command
controlled or
mechanically
tripped

injection-molded
plastic body

stamped metal
frame

die-cast trucks

ElectroCouplers

CarSounds

10-1/4 inches

minimum radius

0-27

part no.

6 - 1 9 8 4 6

\$249.95



26 | 27

ated Giraffe Car



Boxcar

AT & SF Grand Canyon Route 6464 Boxcar 6464-198

injection-molded plastic body
 stamped metal frame
 die-cast sprung trucks
 magnetic die-cast couplers
 metal brake wheel
 metal door guides

10-1/4 inches

minimum radius

0-27

part no.

6-29213

\$44.95

Southern Railway 6464 Boxcar 6464-298

injection-molded plastic body
 stamped metal frame
 die-cast sprung trucks
 magnetic die-cast couplers
 metal brake wheel
 metal door guides

10-1/4 inches

minimum radius

0-27

part no.

6-29214

\$44.95

Canadian Pacific 6464 Boxcar 6464-398

injection-molded plastic body
 stamped metal frame
 die-cast sprung trucks
 magnetic die-cast couplers
 metal brake wheel
 metal door guides

10-1/4 inches

minimum radius

0-27

part no.

6-29215

\$44.95

Pennsylvania High-Rail Vehicle 49

transformer controlled
 electronic reverse unit
 injection-molded plastic body
 plastic frame
 plastic trucks
 working headlights and taillights

7 inches
 minimum radius
 0-27
 part no.
 6 - 1 8 4 3 8
 \$69.95

Port Huron and Detroit 9464 Boxcar 9464-298

injection-molded plastic body
 NEW die-cast frame
 die-cast sprung trucks
 magnetic die-cast couplers
 metal brake wheel opening doors

11-1/8 inches
 minimum radius
 0-27
 part no.
 6 - 1 7 2 3 4
 \$59.95

Boston & Maine 9464 Boxcar 9464-398

injection-molded plastic body
 NEW die-cast frame
 die-cast sprung trucks
 magnetic die-cast couplers
 metal brake wheel opening doors

11-1/8 inches
 minimum radius
 0-27
 part no.
 6 - 1 7 2 3 5
 \$59.95

Western Pacific 9464 Boxcar 9464-198

injection-molded plastic body
 NEW die-cast frame
 die-cast sprung trucks
 magnetic die-cast couplers
 metal brake wheel

11-1/8 inches
 minimum radius
 0-27
 part no.
 6 - 1 7 2 3 3
 \$59.95



Southern Pacific/Union Pacific Merger
Double-Door Boxcar with Auto Frames 9200

injection-molded plastic body
plastic frame
die-cast sprung trucks
magnetic die-cast couplers

13-1/2 inches
minimum radius
0-27
part no.
6-17232
\$64.95

Wisconsin Central Double-Door Boxcar with Auto Frames 9200

injection-molded plastic body
plastic frame
die-cast sprung trucks
magnetic die-cast couplers

13-1/2 inches
minimum radius
0-27
part no.
6-17231
\$64.95

Galveston Wharves Boxcar 9700

injection-molded plastic body
plastic frame
die-cast trucks
magnetic die-cast couplers
opening doors

10-1/4 inches
minimum radius
0-27
part no.
6-16284
\$44.95



Rolling Stock



"I Love Massachusetts" 9700 Boxcar | **9700**
 injection-molded plastic body
 plastic frame
 die-cast trucks
 magnetic die-cast couplers
 metal brake wheel
 opening doors

 10-1/4 inches

 minimum radius
 0-27

 part no.
 6 - 19951

\$44.95

Savannah State Docks Boxcar | **9700**
 injection-molded plastic body
 plastic frame
 die-cast trucks
 magnetic die-cast couplers
 opening doors

 10-1/4 inches

 minimum radius
 0-27

 part no.
 6 - 16285

\$44.95

Bureau of Land Management Ore Car | **3479**
Operating
 injection-molded plastic body
 plastic frame
 die-cast trucks
 magnetic die-cast couplers
 ore load
 dump bin

 10-7/8 inches

 minimum radius
 0-27

 part no.
 6 - 16766

\$46.95

Bureau of Land Management Log Car | **3351**
Operating
 injection-molded plastic body
 plastic frame
 die-cast trucks
 magnetic die-cast couplers
 five logs
 metal brake wheel
 dump bin

 10-7/8 inches

 minimum radius
 0-27

 part no.
 6 - 16765

\$46.95

AT & SF Flatcar with Beechcraft Bonanza | **6411**
 die-cast body
 die-cast frame
 die-cast sprung trucks
 magnetic die-cast couplers

 8-7/8 inches

 minimum radius
 0-27

 part no.
 6 - 19430

\$69.95

Bethle



Gondola

6462

Bethlehem Steel Gondola with Canisters

injection-molded
plastic body
plastic frame
die-cast trucks
magnetic die-cast
couplers

10-1/4 inches

minimum radius

0-27

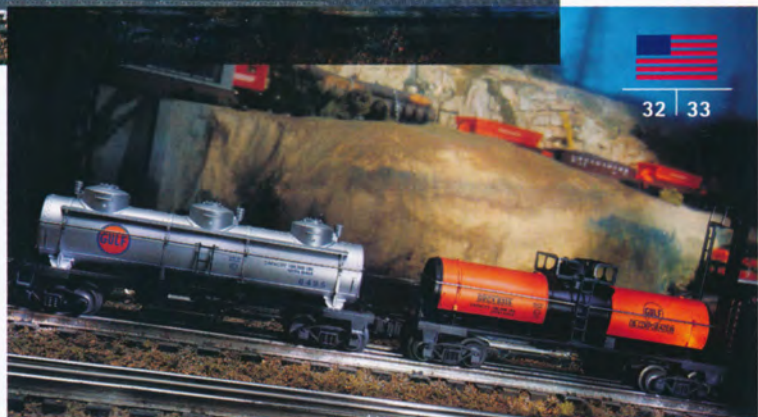
part no.

6-26905

\$29.95

Tank

lehem Steel



32 | 33

Atomic Energy Commission Tank Car
with Reactor Fluid

6515

injection-molded plastic body
plastic frame
die-cast sprung trucks
magnetic die-cast couplers
metal tank platform, ladder, handrail, and brake wheel

10 inches

minimum radius
0-27

part no.
6 - 1 6 1 6 0

\$69.95

Gulf Oil Three-Dome Tank Car

6425

injection-molded plastic body
plastic frame
die-cast trucks
magnetic die-cast couplers

10 inches

minimum radius
0-27

part no.
6 - 1 9 6 1 2

\$39.95

Gulf Oil Single-Dome Tank Car

6315

injection-molded plastic body
plastic frame
die-cast trucks
magnetic die-cast couplers

10 inches

minimum radius
0-27

part no.
6 - 1 9 6 1 1

\$44.95

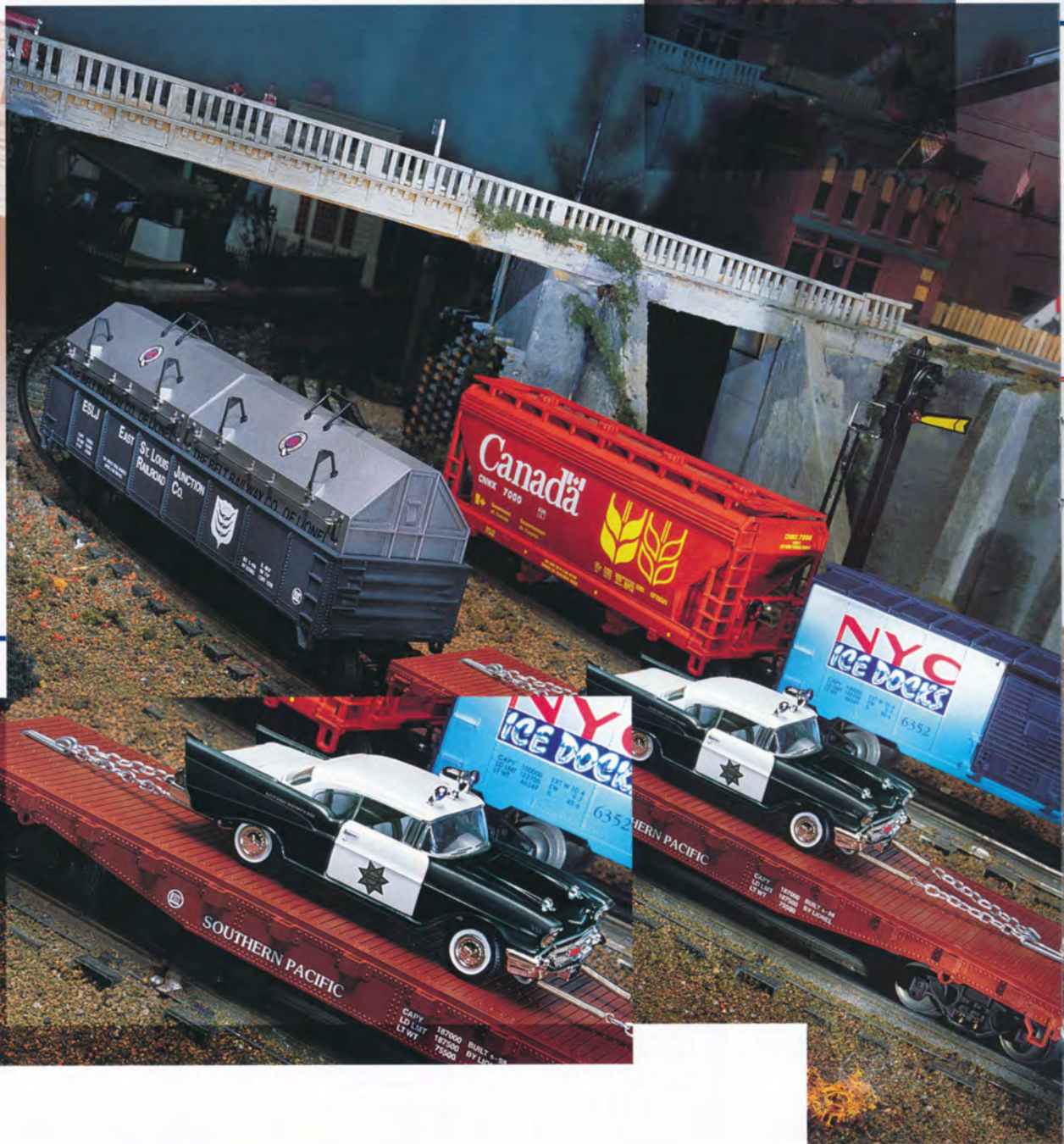


Southern Pacific Flatcar with Corgi '57 Chevy 9823

injection-molded
plastic body
plastic frame
die-cast sprung
trucks
magnetic die-cast
couplers

11-1/8 inches
minimum radius
0-27
part no.
6 - 2 6 9 0 6
\$59.95

Corgi, Corgi Classics, and the dog logo are registered trademarks and are used with permission.



Freight



E. St. Louis Gondola

9820

injection-molded plastic body
plastic frame
die-cast trucks
magnetic die-cast couplers
metal brake wheel

10-1/4 inches
minimum radius
0-27
part no.
6 - 2 6 9 1 3

\$49.95

Government du Canada ACF 2-Bay Covered Hopper

7000

injection-molded plastic body
plastic frame
die-cast trucks
magnetic die-cast couplers
metal brake wheel

9-1/2 inches
minimum radius
0-27
part no.
6 - 1 7 0 1 0

\$54.95

New York Central Ice Docks Ice Car

6352

Operating
injection-molded plastic body
plastic frame
die-cast trucks
magnetic die-cast couplers
metal brake wheel
complete ice car mechanism

(for use with Lionel ice station)

10-1/4 inches
minimum radius
0-27
part no.
6 - 1 6 7 6 7

\$69.95



Pacific Fruit Express Reefer **9800-198**

injection-molded plastic body
plastic frame
die-cast trucks
magnetic die-cast couplers
opening doors
metal brake wheel

11-1/8 inches

minimum radius

0-27

part no.

6-17314

\$54.95

Pacific Fruit Express Reefer **9800-298**

injection-molded plastic body
plastic frame
die-cast trucks
magnetic die-cast couplers
opening doors
metal brake wheel

11-1/8 inches

minimum radius

0-27

part no.

6-17315

\$54.95

T.T.U.X. with Apple Trailers **6300**

injection-molded plastic body
plastic frame
die-cast trucks
magnetic die-cast couplers
authentic trailer train markings
2 decorated Apple trailers
metal brake wheel

21-1/2 inches
(both cars)

minimum radius

0-27

part no.

6-26908

\$84.95





The Erie was the first railroad to have the bay window caboose.

The use of **“radio equipped”** markings was both to let the crew know that the caboose

had a radio and to have the public recognize that the railroad was keeping pace with the latest technology.



36 | 37



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injection-molded plastic body
stamped metal frame
die-cast trucks
ElectroCouplers
CrewTalk Caboose™
TrainBrakes
interior illumination

10-1/8 inches

minimum radius

0-27

part no.

6 - 19742

\$199.95

Erie Bay Window Caboose





Lionel Belt Line Caboose

injection-molded plastic body
 plastic frame
 die-cast trucks
 magnetic die-cast couplers
 interior illumination

7-1/8 inches

minimum radius

0-27

part no.

6 - 1 6 5 9 3

\$49.95

Lionel Caboose

injection-molded plastic body
 plastic frame
 die-cast trucks
 magnetic die-cast couplers
 interior illumination
 metal brake wheel

7-1/8 inches

minimum radius

0-27

part no.

6 - 1 6 5 9 4

\$54.95

Pennsylvania N5C Caboose

injection-molded plastic body
 stamped metal frame
 die-cast trucks
 magnetic die-cast couplers
 interior illumination
 metal brake wheel

7-3/4 inches

minimum radius

0-27

part no.

6 - 1 9 7 4 1

\$69.95

First introduced in 1948 with Southern Pacific





markings, this classic is updated



38 | 39

for 1998 with the **latest version** of our famous Lionel Lines theme:

The Belt Railway Co. of Lionel.

Lionel Caboose

Start your Lionel empire with

a complete, ready-to-run set. Everything you

power, train, and accessories—is in one box!

Train Sets



need—track,,

Lionel Chessie Flyer Freight Set

die-cast 8632 steam locomotive

NYC 6424 bulkhead flatcar with stakes

9700 New Haven boxcar with opening doors

6257 C&O caboose

magnetic couplers

headlight

smoke

40-watt (3-amp) power/control system

27 x 63 inches oval 0-27 track

part no.

6-11931

\$149.95



40 | 41



212 Santa Fe Alco FA2 diesel with long-life power truck streamlined pilot skirt

three passenger cars:

2407 Thoreau combination car

2404 Tucumcari Vista-Dome

2406 Tehachapi observation car

magnetic couplers

interior illumination

headlight

40-watt (3 amp) power/control system

27 x 63 inches oval 0-27 track

part no.

6-11929

\$229.95

Lionel Warbonnet Passenger Set

Train Sets



- die-cast X1110 4-4-2 steam locomotive
- Canadian Pacific boxcar
- Erie Lackawanna stakeside flatcar
- 6357 Lionel SP caboose
- high-end decoration
- magnetic couplers
- BNSF tractor-trailer
- 40-piece freight load
- 40-watt (3-amp) power/control system

27 x 63 inches
oval O-27 track

part no.
6-11944

\$199.95

Lionel Lines Freight Set



die-cast 8644 4-4-2
 steam locomotive
 long-life drive train
 9700 Santa Fe Chief
 boxcar
 6424 auto flatcar with
 two vintage sedans
 6424 trailer-on-flatcar
 3362 animated
 log-dump car
 6357 illuminated
 caboose
 headlight
 traction enhancement
 air whistle
 remote control section
 grade crossings
 cargo load
 40-watt (3 amp)
 power/control system
 27 x 63 inches
 figure-8 0-27 track
 part no.
 6-11900
 \$269.95

Lionel Santa Fe Special Freight Set



42 | 43



Lionel New York Central Flyer Freight Set

die-cast 8632 4-4-2
 steam locomotive
 tender with whistle
 9700 New Haven
 boxcar
 6424 NYC bulkhead
 flatcar with stakes
 6257 NYC caboose
 magnetic couplers
 headlight
 smoke
 metal wheels and axles
 tractor-trailer
 grade crossings
 40-piece freight load
 40-watt (3 amp)
 power/control system
 27 x 63 inches
 oval 0-27 track
 part no.
 6-11735
 \$169.95



We've heard from a lot of hobbyists who are amazed at how much ElectroCouplers contribute to the enjoyment of their trains. Now you can add **ElectroCouplers** to those of your Command-equipped engines that didn't come with them. All releases of the LCRU will operate the ElectroCouplers. Some soldering required.

ElectroCoupler Kits

for GP-9

part no.
6 - 2 2 9 1 9

\$30.00

for J Class Tender and
B&A Tender

part no.
6 - 2 2 9 5 5

\$30.00

for Switchers/NW 2

part no.
6 - 2 2 9 5 6

\$30.00

for F-3 Coil Couplers

part no.
6 - 2 2 9 5 7

\$30.00

for Dash-9

part no.
6 - 2 2 9 5 8

\$30.00

Die-Cast Metal Sprung Trucks

upgrade your
rolling stock trucks

quick and easy
to install

add weight, improve
tracking

part no.
6 - 1 2 8 4 3

\$12.95

TrainMaster Command Basic Upgrade Kit

upgrades Command Ready locomotives to full Command control operation

provides all features available in the TrainMaster Command system, including the option of operating your engines in Command or conventional mode

features and sounds available for a specific locomotive are dependent on the features and sound system the locomotive is equipped with, and the components of the Lionel TrainMaster system that are in use
no soldering required

this upgrade kit is designed for use only on locomotives that are designated "Command Ready" in catalogs starting in 1998; other locomotives, including those previously designated "Digital Ready," will require additional modification

part no.
6 - 2 2 9 6 0

\$95.00

RailSounds Upgrade Kits

for use in locomotives that are Command Ready and equipped with SignalSounds

simply remove the SignalSounds electronic board and sound chip, then install the RailSounds electronic board and sound chip to get the expanded features of Lionel's RailSounds system

RailSounds was recognized by *Classic Toy Trains* magazine as one of the ten most important industry introductions of the last decade (November 1997 issue)

installation of the RailSounds upgrade kits is independent of the installation of Lionel TrainMaster Command; however, as with all RailSounds systems, not all of the RailSounds features are available without Lionel TrainMaster Command

unlike many of the sound chips included with factory-installed RailSounds systems, the sound recordings provided in the RailSounds Upgrade Kits are not specific to the locomotive, but are generic to the class of locomotive—steam or diesel

this upgrade kit is designed for use only on locomotives that are designated "Command Ready" in catalogs starting in 1998 and which are equipped with the Lionel Signal Sounds system; locomotives equipped with Signal Sounds systems *before* the development of the Command Ready feature require additional modification

Steam RailSounds

part no.
6 - 2 2 9 6 3

\$95.00

Diesel RailSounds

part no.
6 - 2 2 9 6 4

\$95.00





Accessories

Power

Animated Accessories

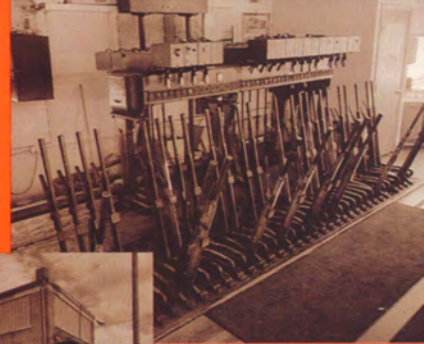
Structures

MainLine™ Accessories

Lights & Signals

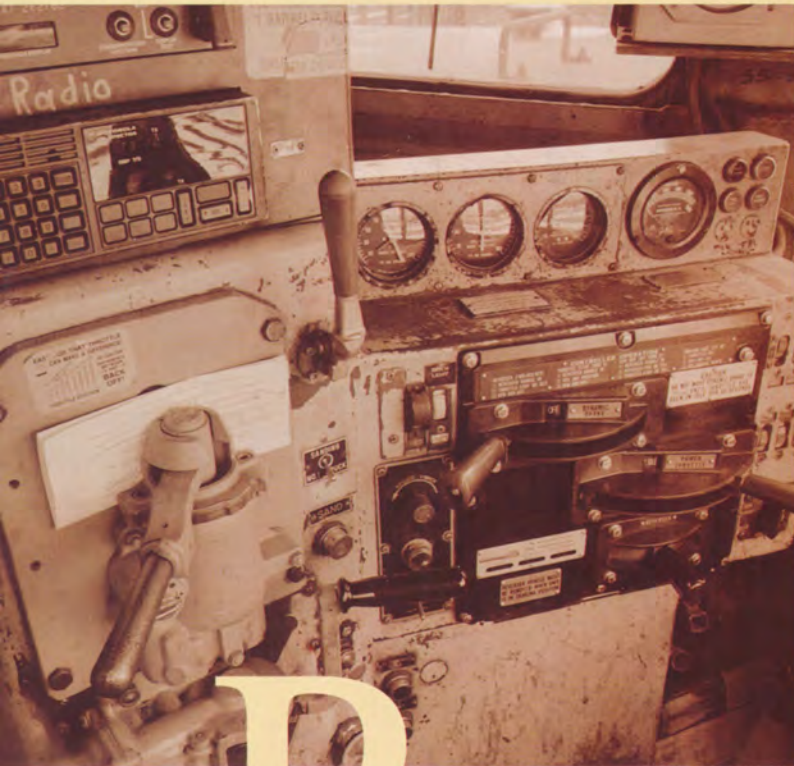
Layout Supplies

Track



If you've just bought a complete, ready-to-run set, you probably have a **transformer-controlled** operating system.

That simply means that the operation of your train(s) and accessories is by variations in the level of power running through your track. There are **2** basic components to this system:



how much power do you need →

The power provided by your transformer is “used” by your trains and operating accessories as they convert the electrical energy into motion. The more trains and accessories you are running at one time, the more power will be required. At some point, you may find that you need to upgrade your power supply. You can purchase a new transformer with a higher power rating. Or, you can keep your current transformer and purchase additional transformers to handle some of the tasks. In other words, your entire layout does not have to be powered by a single source.

One way to do this is by splitting up your track into power “blocks.” Different transformers power different sections of track. To do it correctly, however, there are a number of things that you have to do, so we recommend you consult with a Lionel Authorized Dealer, a Lionel Authorized Service Center, or Lionel Factory Representative before attempting to do this.

An easier way to split up the power load is to leave your entire track on one transformer and use additional transformers to power one or more of your accessories. In addition to its simplicity, this approach has another advantage. Operating accessories have a “power zone” in which they operate most effectively. By having a separate transformer, not connected to the track, for each accessory (or each group of accessories), you can set the power at its optimum level. With a little experimentation, you'll soon be able to tell what that setting is.

Power

The transformer/
power pack

The power running from the wall socket in your house is 120 volts. That's a lot more than you need to operate your trains, so the transformer reduces the voltage to a lower level, usually 16 volts AC. At that level, you can operate your trains efficiently and safely.

The controller

The power from the transformer flows into the controller, where it is metered out to the track or operating accessory based on the position of the control knob. Rotate the knob clockwise and the train goes faster. Rotate the knob counterclockwise and the train slows down.

	Starter Power 1.2 amps	6-12885 Basic Lionel Power System 40 watts/3 amps	6-12938 PowerStation/ PowerHouse 135 watts/7 amps
Engines	One small locomotive, no accessories	One small locomotive with additional lights or one operating accessory	One small locomotive with additional lights or up to 3 operating accessories
Accessories	Not recommended for operating accessories	Up to 5 operating accessories	5+ operating accessories, within reason



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Note:

The preceding chart is just a guide to what power sources will run. The amount of power actually needed in each

situation varies considerably, depending on the locomotive(s) and accessory/ies involved.

The best place to start is to talk to your Lionel Authorized Dealer. Then experiment: You'll get a lot of satisfaction from finding out what works best in your particular circumstances.



PowerHouse™ power supply

135 watts (8 amps) AC
UL-listed

part no.
6 - 1 2 8 6 6

\$69.95



PowerMaster™ power distribution center

install as many as needed:
use for track voltage,
accessory loops, and
switch/lighting circuits
up to 10 PowerMaster
ID numbers available
quick, two-wire installation
variable and fixed-power
settings

part no.
6 - 1 2 8 6 7

\$99.95



PowerMaster adapter cable

includes in-line
7-amp fuse

part no.
6 - 1 2 8 9 3

\$7.95



40-watt power and control system

basic power and control system
includes one controller and one wallpack
40-watt (3-amp) variable AC output

part no.
6 - 1 2 8 8 5

\$49.95

PowerStation™-PowerHouse™ Set

high-output transformer
135 watts (7 amps) AC
backlit powerband-sweep
whistle/horn and bell buttons
activate all classic Lionel
sound effects, all Lionel
RailSounds systems, and other
popular sound units
direction button
includes variable (track) and
fixed (accessory, continuous
14 volts) outputs
includes one PowerStation
controller and one
PowerHouse power supply

part no.
6 - 1 2 9 3 8

\$199.95



helpful tips

When you first start to turn the control knob, the engine may still not move. That's because you have to get the power up to a "threshold" level before it begins operation.

On a three-rail track system, the middle rail carries the power. The two outside rails are the common ground. You never want to lay anything across both the rails of your track. That interrupts the smooth flow of power, causing a short, and creating an unsafe situation that may damage your equipment.

If your train is not behaving properly, it may be that the power is not flowing smoothly through your track or the roller pickup on the bottom of your locomotive. This can be caused by dirt. To clean the dirt off, we recommend you use the Lionel Track Cleaner that can be purchased as part of the Lionel Maintenance Kit (item no. 6-62927).

train wreck?

Don't worry! It happens to the most experienced operators. Your Lionel trains are rugged enough to handle it. Be careful of one thing, however. Your train may have ended in such a position that it has metal in contact with both the middle rail and the outside rail(s) of the track, causing a disruption to the smooth flow of power through your system—a short. So you want to remove the cause of the short as quickly as possible by moving the train clear of the track or resetting it properly on the track.

Your Lionel transformer is equipped with a protective device that will shut the system down when it senses that something is wrong. In some models, the system will restart itself once it senses that the problem has been corrected. (This may take a few minutes.) In other models, you may have to push a reset button or unplug the transformer and let it cool down before plugging it back in and restarting the train. Check the manual that came with your transformer to see how your model works.



What is the Lionel TrainMaster Command Control system

It is a digital train operating system that allows your trains and your layout to come alive. Traditionally, most train operating systems, including Lionel's, used variations in the power supplied to the track to operate the trains. Increase the power to the track and the train speeds up. Decrease the power to the track and the train slows down. We call this transformer controlled. The Lionel TrainMaster System, by comparison, uses actual digital signals to communicate with the trains, allowing each train to function independently, while power running through the track remains constant.

What is the advantage of using digital signals

Simply put, you can do more things more easily with a digital operating system. It is true that you can do more than just increase and decrease the speed of your train in a transformer-controlled environment. By interrupting the power, overlaying the power, and spiking the power, you can create a crude form of communication with your trains and get them to do a variety of things. The problem is that you often have to be stopped – in neutral – to send the proper signal to the engine. "Armed" in this fashion, you may be able to activate the feature, such as firing electronic couplers, underway, but you can only do it once before having to stop and "re-arm." With Command control, on the other hand, you can activate your features anytime, anywhere, as often as you like.

What kind of additional features are available in Command control

The digital signal language greatly increases the variety of features designers and manufacturers can build into their trains and accessories. You should consult the Lionel TrainMaster manual for a complete list of features currently offered. But, as just one example, imagine the ability to program your switches into routes. That's right, issue a single command and all of the appropriate switches simultaneously put themselves in the position you want for that particular route.

What about my older Lionel locomotives

The Lionel TrainMaster Command Control system was designed to operate all three-rail 0-gauge locomotives, including all Lionel three-rail engines. You can get the full benefits of Command control only if your engine is Command-equipped and you have a Command Base installed on your layout. But all other locomotives can still be operated as they have always been with installation of the PowerMaster unit.

Do I have to give up my old transformer

No. The TrainMaster Command Control System and the power system are independent. Don't think of TrainMaster as a replacement of your current power system. It enhances your existing system through the addition of digital communication. You can use any transformer for power that is capable of sustaining 18 volts. That means you can use your current transformer as a power source for the PowerMaster unit and have walkaround remote control of your older, non-Command-equipped, locomotives.

My friends tell me that their post-war locomotives run better with TrainMaster even though they aren't Command-equipped. Is that true

Yes. The use of constant power inherent in the PowerMaster design allows all Lionel locomotives to perform more smoothly, particularly at slower speeds. This also eliminates the dimming of lighting and limited operation of horns and whistles that traditionally occurred when the train slowed down.

The primary difference between digital control systems is in how the signals are passed to the locomotives. A small number of existing systems transmit radio signals directly to the locomotive, but airborne signals are subject to interference from tunnels and the like. Most existing digital systems, therefore, superimpose the digital signal on the power signal. It's a reasonable approach if there's not a lot of power involved, as is the case with most HO layouts. On a three-rail 0-gauge layout, however, built to accommodate the power needs of postwar Lionel engines, this approach could get very expensive, since your cost would go up in direct proportion to your power. This approach also causes your response time to vary in direct relation to your power load. As your power load goes up, your system "bogs down."

That's why the Lionel engineers chose a totally different approach for the TrainMaster system, one specifically designed to work best in the power-intensive three-rail world. Because the digital signal is independent of the power, TrainMaster requires only one Command Base per layout, no matter how many power blocks or transformers you have. And the signal never "bogs down." You get the same quick response no matter how much load there is on your system at any point in time.

A further differentiation of the Lionel TrainMaster system is that while the signal does go through the track, it doesn't pass through the roller pickup, since it can create interference with the signal. Instead, the track actually broadcasts the signal and a receiver in the engine receives it. It's inexpensive and reliable. And unique enough to have been granted a U.S. Patent.

What do I need to operate Lionel TrainMaster Command Control

It's simple. If you have an existing power source that supplies 18 continuous volts you can use it with the PowerMaster adapter cable (Item #6-12893). Otherwise, we recommend the PowerHouse power supply (Item #6-12866).

You then need a CAB-1 remote controller (Item #6-12868) and a Command Base (Item #6-12911). (These are also sold as a set (Item #6-12969).) You need only one CAB-1 and one Command Base per layout. You may find, however, that you want more than one CAB-1 so that your friends and family can run the trains with you. (Don't worry, you can override any errant commands they issue.)

And then you need a PowerMaster (Item #6-12867). If you only operate Command-equipped locomotives, you will need only one PowerMaster. If, however, you wish to operate your older Lionel locomotives, or other engines that are not command-equipped, you will need to install one PowerMaster per power block on your layout.

It's that easy. For less than the cost of a single locomotive, you can run all of your engines, new and old alike, with your CAB-1 remote controller or your traditional transformer setup. No other system is more versatile, less expensive, or more fun!

I like to operate my trains from my stationary control center. Do I have to use the remote controller

Yes and no. If you want to operate in Command mode, you have to use the CAB-1 remote controller. With the simple flick of a switch, however, you can set the remote aside and return to operating your trains in conventional mode with your traditional transformer, just as you always have. The choice is yours.



SC-1™ switch and accessory controller

digital terminal

works with Command Base and CAB-1 (available separately)

controls up to four Lionel remote-control switches and two select Lionel animated accessories

install up to 25 SC-1s on your railroad

for use on AC-powered railroads only

part no.
6 - 1 2 9 1 4

\$79.95

TrainMaster® Command™ Base CAB-1™ remote

150' radio frequency walk-around range

requires 4 AA alkaline batteries (not included)

part no.
6 - 1 2 8 6 8

\$99.95

for use on AC-powered railroads only

part no.
6 - 1 2 9 1 1

\$99.95



50 | 51
POWER

Animated Acc

Make your layout come **alive**
with accessories

that **move, light up,**



includes Lionel
air whistle
brilliant illumination

7 x 8 x 4
inches

part no.

6-12962

\$99.95

and

Lionel Lines Passenger Service Center w/Steam Whistler

essories



connects to insulated
track section
(sold separately)

two Lionel Lines tower
men emerge from the
structure as trains pass

6-1/2 x 5-1/4 x

7-3/4 inches

part no.

6 - 1 2 9 1 7

\$99.95

Animated Switch Tower



connects to 153
contactor (included) or
insulated track section
(sold separately)

gateman emerges
from his shanty to warn
motorists of
passing trains

7 x 5-3/4 x

4-3/4 inches

part no.

6 - 1 2 7 1 3

\$59.95

Automatic Gateman



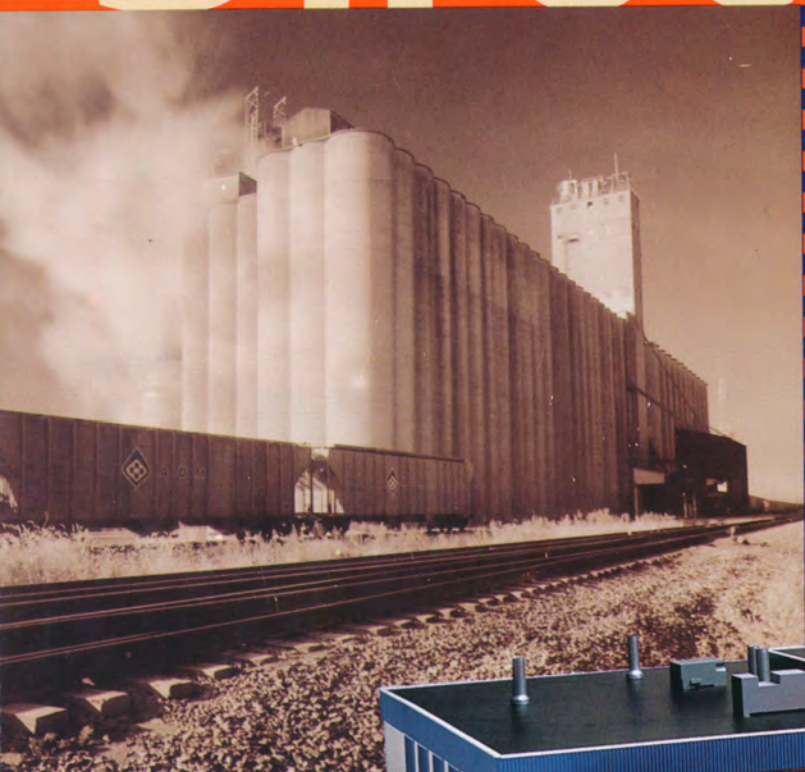
52 | 53

sound off.

Structures

Add a **realistic** context to your layout

with these buildings



used by the railway
to house work crews
and their equipment

shed

7 x 4-1/2 x 4
inches when built

house

12 x 6 x 5
inches when built

part no.

6-22933

\$34.95 / set of 2

Section Gang Houses

Building Kit



6 inches diameter
6-3/8 inches tall

part no.

6-22953

\$19.95

Linex Gasoline Tall Oil Tank

7-3/8 inches diameter
4 inches tall

part no.

6-22954

\$19.95

Linex Gasoline Wide Oil Tank

Building Kit

replica of actual
Lionel factory
in Chesterfield,
Michigan

Lionel Factory

26 x 15 x 5
inches when built

part no.

6-22929

\$59.95

Lighted Freight Station

loading ramp and platform
small passenger station
interior illumination
12-1/8 x 8-1/4
x 6-1/2 inches when built
part no.
6-12812
\$49.95



and freestanding structures.



Quonset Hut Building Kit

a common sight in post-war America used for everything from storage sheds to rural markets

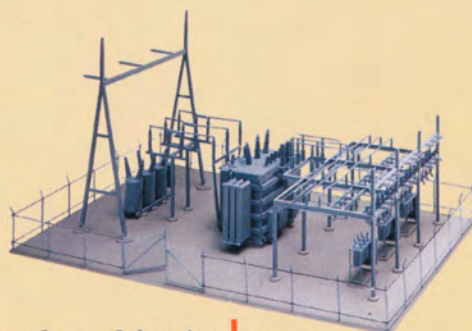
8-1/2 x 4 x 5 inches when built
part no.
6-22902
\$36.95



Municipal Building Building Kit

a centerpiece of every town and village

9 x 7-5/8 x 8-3/8 inches when built
part no.
6-22915
\$49.95



Transformer Substation Building Kit

add realism to your model village or town

25 x 17 x 14 inches when built
part no.
6-22939
\$54.95



Illuminated Station Platform Building Kit

two frosted bulbs
eight press-on platform advertisements

12 x 3-3/8 x 5 inches
part no.
6-12943
\$29.95



Station Platform Building Kit

rugged plastic construction
includes 8 colorful signs

12 x 3-3/8 x 5 inches
part no.
6-12731
\$12.95

Industrial Water Tower

blinking roof beacon
steel and plastic

6 x 6 x 15
inches

part no.
6 - 1 2 9 5 8

\$69.95



Water Tower Building Kit



5-5/8 x 4-1/2 x
8-1/2 inches when built

part no.
6 - 1 2 7 1 1

\$19.95





Airplane Hangar Building Kit

10-5/8 x
9-3/4 x
4-5/8 inches
when built
part no.
6-12951
\$39.95



Lumber Shed Building Kit

6-1/8 x
3-1/8 x
3-1/8 inches
when built
part no.
6-12705
\$9.95



Truck Loading Dock Building Kit

10-1/2 x
8-3/4 x
6-1/2 inches
when built
part no.
6-12884
\$24.95



Grain Elevator Building Kit

16-1/2 x
13-1/2 x
16-1/4
inches when built
part no.
6-12726
\$34.95



Watchman Shanty Building Kit

includes
watchman figure
4-5/8 x
4-1/4 x 7
inches when built
part no.
6-12733
\$9.95



Rico Station Building Kit

true-to-life recreation
of passenger
station at Rico,
Colorado
22-1/2 x
7-1/2 x 9-1/2
inches when built
part no.
6-62709
\$39.95



56 | 57



Passenger/Freight Station Building Kit

12-3/8 x
6-1/8 x
5-3/4 inches
when built
part no.
6-12734
\$24.95



Log Loading Station Building Kit

14-1/4 x 6 x
5-7/8 inches
when built
part no.
6-12774
\$9.95



Barrel Loader Building Kit

6 x 5-1/4 x
4-3/4 inches
when built
part no.
6-12706
\$9.95

MainLine Accessories



Die-cast
MainLine
Mast Signal

scale
lighted
4 x 2 x 4-1/2
inches
part no.
6-22940
\$49.95

Die-cast
MainLine Walkout
Cantilever Signal

overhead flasher
scale
lighted
7 x 2 x 6
inches
part no.
6-22934
\$59.95

MainLine Dwarf Signal

Die-cast

lights change from green to red when its block is occupied automatically resets to green when train clears block

includes 153 contactor

1-3/4 x 1-1/2 x 2 inches

part no.
6-22951

\$29.95

MainLine Classic Billboard Set

Die-cast

snap-to-assemble
6-3/8 x 1 x 4-5/8 inches

part no.
6-22952

\$24.95/
set of 3

MainLine Gooseneck Street Lamps

Die-cast

turn-of-the-century design
brilliant illumination

scale

4 inches high

part no.
6-22948

\$39.95/
set of 2

Lionel MainLine accessories are designed and built to the highest standard, and are more to prototypical scale. It's the most

series

MainLine Automatic Operating Semaphore

Die-cast

blade activates and remains in position when trains enter its block

illuminated marker jewels

2 x 1-1/2 x 8-1/2 inches

part no.
6-22944

\$49.95



MainLine Block Target Signal

Die-cast

lights change from green to red when trains move through its block

automatically resets to green when block clears

7-1/8 inches

part no.
6-22945

\$49.95



MainLine Automatic Crossing Gate and Railroad Crossing Signal

Die-cast

gate drops and lights illuminate when trains pass by

includes 153 contactor also works with insulated track section (sold separately)

7-3/4 inches / signal height
8-3/4 inches / arm height
9-1/2 inches / arm extension

part no.
6-22946

\$64.95



MainLine Classic Street Lamps

Die-cast

classic post-war styling
brilliant illumination

5-7/8 inches high

part no.
6-22950

\$29.95 / set of 3



MainLine Highway Lights

Die-cast

brilliant illumination

6 inches high

part no.
6-22949

\$29.95 / set of 4



MainLine Auto Crossing Gate

Die-cast

includes 153 contactor

9-1/2 inches / arm length

part no.
6-22947

\$49.95

Developed with the high-rail modeler in mind, these accessories incorporate realistic and highest quality grouping of accessories we've ever offered.

more metal,
more detail,



58 | 59

Lights a n d

Signals

Action!



Banjo Signal

passing trains activate
"wig-wag" mechanism
153 contactor included
(also works with insulated
track section, sold separately)

7-3/4 inches high

part no.

6-12709

\$44.95



includes 153 contactor

9-1/2
inches / arm length

part no.
6-12714

\$34.95

Auto Crossing Gate



lights change from
green to red when its
block is occupied
automatically resets
to green when train
clears block

includes 153 contactor

1-3/4 x 1-1/2 x 2
inches

part no.
6-12883

\$19.95

Dwarf Signal



Railroad Crossing Flasher

lights flash when train passes
 9 inches high
 part no.
 6-12888
 \$59.95



Automatic Operating Semaphore

blade activates and remains in position when trains enter its block
 illuminated marker jewels
 10-1/2 x 8-3/4 x 6-1/2 inches
 part no.
 6-12727
 \$44.95



Automatic Crossing Gate and Railroad Crossing Signal

gate drops and lights illuminate when trains pass by

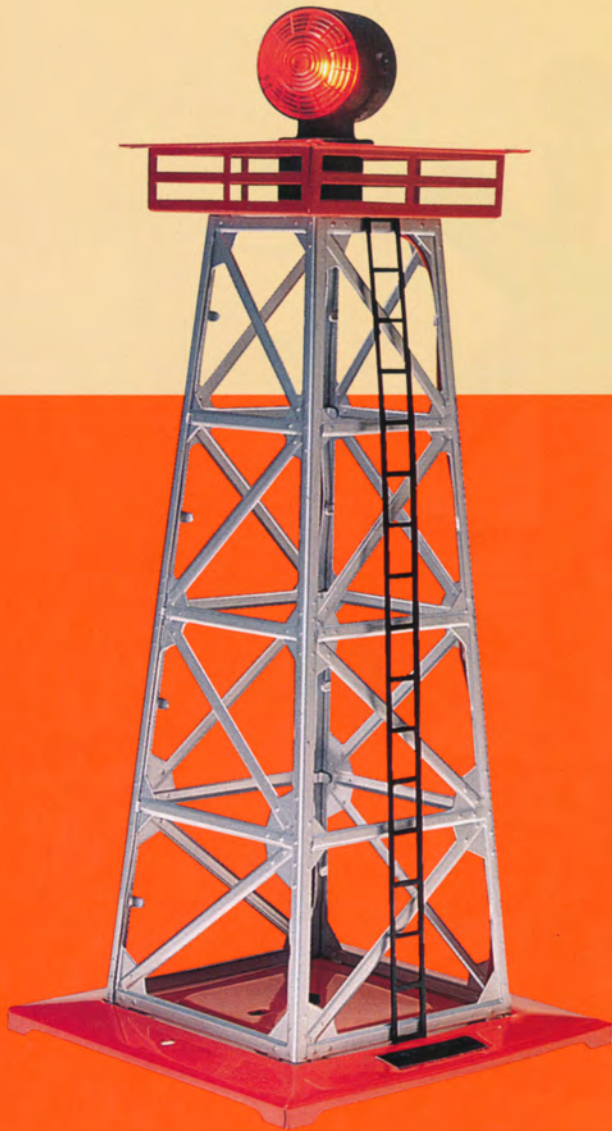
includes 153 contactor

also works with insulated track section (sold separately)

7-3/4 inches / signal height
 8-3/4 inches / arm height
 9-1/2 inches / arm extension

part no.
 6-62162
 \$49.95





Lionel Vibrator®
provides beacon's
rotating action
illuminated red
and green
stamped metal base

5 x 5 x 12
inches

part no.

6 - 1 2 9 6 6

\$49.95

Rotary Aircraft Beacon



Globe Street Lamps

5-7/8 inches high

part no.

6 - 1 2 9 2 6

\$14.95 / set of 3



Classic Street Lamps

classic post-war
styling

brilliant illumination

5-7/8 inches high

part no.

6 - 1 2 8 7 4

\$14.95 / set of 3

eight bulbs
brilliant incandescent
light

12 inches high

part no.

6 - 1 2 7 5 9

\$34.95

Floodlight Tower





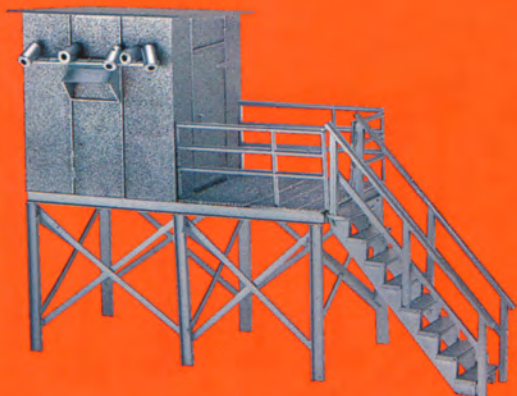
Gooseneck Street Lamps

turn-of-the-century design
brilliant illumination
7-1/2 inches high
part no. 6-12742
\$19.95 / set of 2



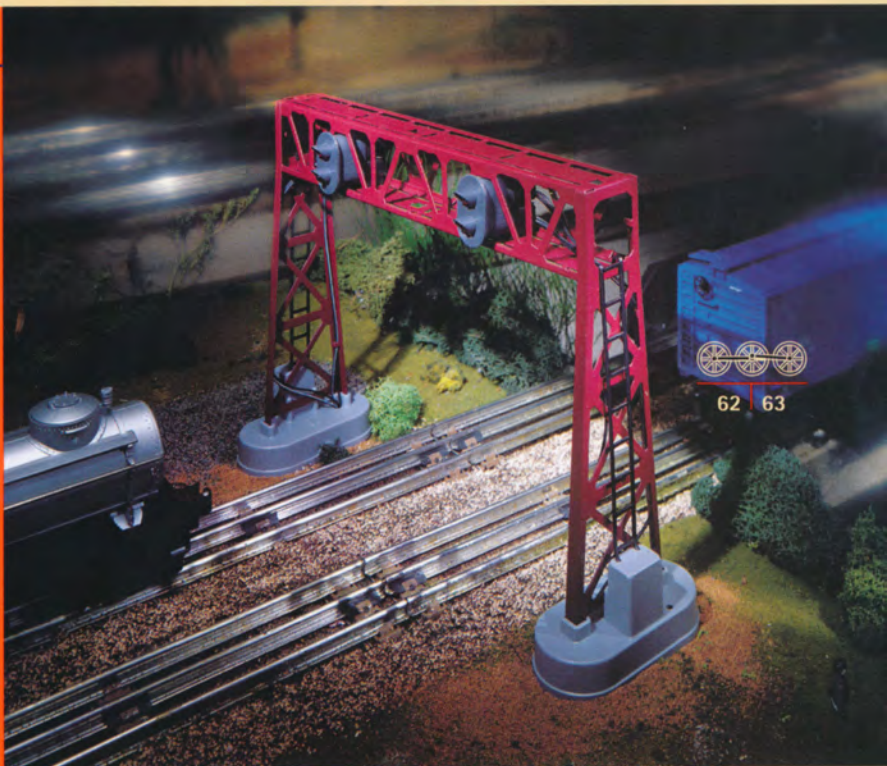
Highway Lights

brilliant illumination
6 inches high
part no. 6-12804
\$14.95 / set of 4

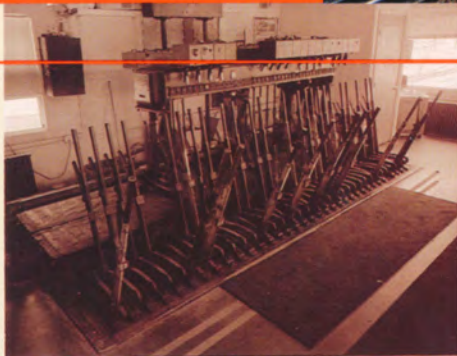


Hot Box Detector

lighted sounds
7 x 3 x 5 inches
part no. 6-22935
\$59.95



62 | 63



Signal Bridge

spans two tracks
includes two 153 contactors
lights go from green to red to alert approaching trains of occupied blocks ahead
10-1/4 x 8 x 7-1/4 inches
part no. 6-12895
\$59.95

Lionel brings **a new level of realism and quality** to trackside layouts with these replicas. Finely crafted, these accessories help bring your layout to life.

Layout Sup



Telephone Poles

7 inches high
part no.
6 - 6 2 1 8 1
\$5.95 / set of 10



Log Package

genuine wood logs

part no.
6 - 1 2 7 4 0

\$4.25 / set of 3



Barrel Pack

made of real wood

part no.
6 - 1 2 7 4 5

\$4.95 / set of 6



Coal Bag

great for gondola
and hopper loads

part no.
6 - 1 2 7 3 2

\$3.95

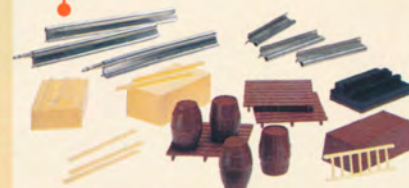


Accessories Box

includes oil drums,
a bag of coal,
coil covers,
genuine wood logs,
and plastic bumpers

part no.
6 - 2 2 9 4 2

\$29.95



plies



blinks on and off
includes one billboard
frame, one blinking
light assembly, and one
piece of billboard art

part no.
6 - 1 2 9 7 4
\$19.95

Blinking Light Billboard

Railroad Signs

signal train
crews of
approaching
track and speed
conditions

part no.
6 - 6 2 1 8 0

\$5.95 / set of 14

Classic Billboard Set

snap-to-assemble

6-3/8 x 1 x
4-5/8 inches

part no.
6 - 1 2 9 4 9

\$7.95 / set of 3



64 | 65



Lionel Cable Reels

molded in color
ready to paint

part no.
6 - 1 2 7 9 5

\$5.45 / set of 2



Illuminated Bumpers

snaps between outside
rails of O and O-27 track
place at all end-of-line
locations

3 x 1-1/2 x 1-1/2
inches

part no.
6 - 1 2 7 1 5

\$8.95 / set of 2



Die-Cast Bumpers

die-cast metal
illuminated red signals

3 x 1-7/8 x 2
inches

part no.
6 - 6 2 2 8 3

\$19.95 / set of 2



Non-Illuminated Bumpers

snaps between outside
rails of O and O-27 track
place at all end-of-line
locations

3 x 1-1/2 x 1-1/2
inches

part no.
6 - 1 2 7 1 7

\$4.95 / set of 3





Girder Bridge

includes plastic girders with Lionel lettering and stamped-metal base

10 inches

part no.
6 - 1 2 7 3 0

\$9.95

Die-Cast Girder Bridge

die-cast with Lionel lettering and stamped-metal base

10 inches

part no.
6 - 2 2 9 0 7

\$34.95



Truss Bridge with Flasher and Piers

includes flashing top-mounted beacon to alert local aircraft

26-1/8 x
7-1/2 x
12-1/2 inches

part no.
6 - 1 2 7 7 2

\$44.95

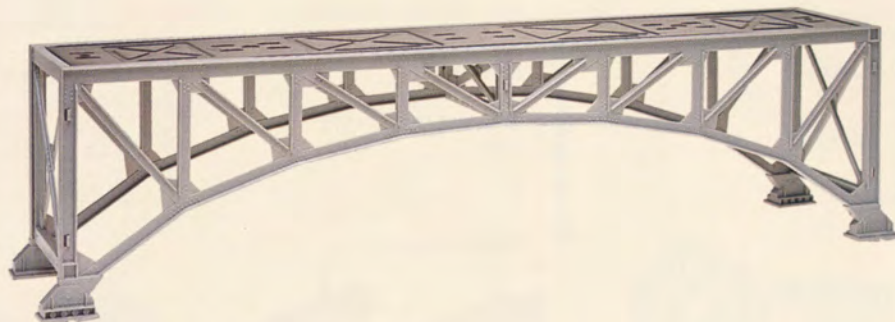
installs easily between Lionel elevated trestle piers, or integrate into your own scenic environment

19-1/4 x 3-5/8 x
4-7/8 inches

part no.
6 - 1 2 7 7 0

\$19.95

Arch-Under Bridge





Tunnel Portals

classic post-war styling

7 x 8-1/2 inches (h x w)

part no.
6 - 1 2 8 9 6

\$9.95 / set of 2



Short Extension Bridge Kit

scaled for use with Lionel O-27 straight track

10 x 4-1/4 x 6-5/8 inches when built

part no.
6 - 6 2 7 1 6

\$9.95



Power Shovel Model Kit

classic Harmischfeger power shovel

7 x 2-1/4 x 5 inches

part no.
6 - 1 2 9 0 1

\$12.95



Crane Model Kit

detailed Harmischfeger crane

15 inches when boom extended

part no.
6 - 1 2 9 0 0

\$12.95

create realistic viaducts and other raised-grade track situations

4-3/4 inches high / each

part no.
6 - 1 2 7 5 5

\$19.95 / set of 10

Elevated Trestle Set

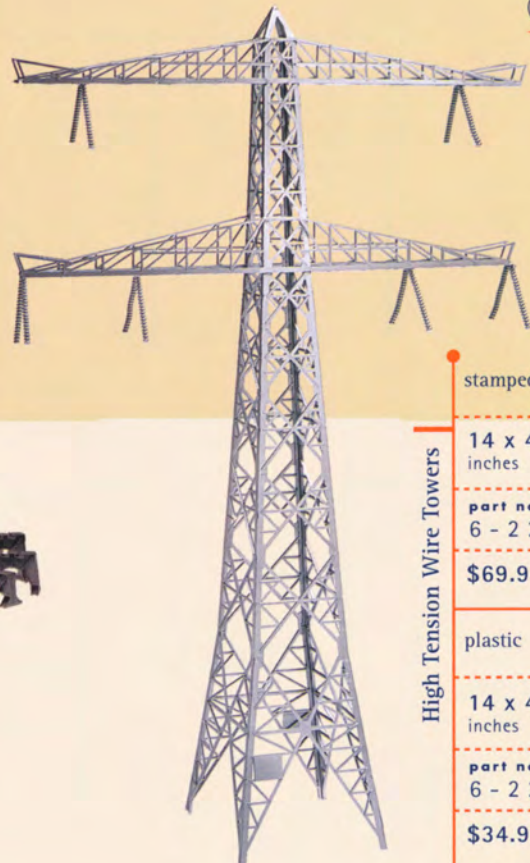
incremental grading

4-3/4 inches high / tallest trestle

part no.
6 - 1 2 7 5 4

\$19.95 / set of 22

Graduated Trestle Set



66 | 67

stamped metal

14 x 4 x 22 inches

part no.
6 - 2 2 9 3 2

\$69.95

plastic

14 x 4 x 22 inches

part no.
6 - 2 2 9 3 8

\$34.95

High Tension Wire Towers

The Inside Story on Lionel

Track



O-27
1/2 Straight Track

4-7/8 inches

part no.
6 - 65019

O-27
Straight Track

8-3/4 inches

part no.
6 - 65038

O-27
Extra-Long Straight Track

35 inches

part no.
6 - 65024

O-27
1/2 Curved Track

5-7/16 inches

part no.
6 - 65014

O-27
Curved Track

8 sections form
27"-diameter
circle

9-5/8 inches

part no.
6 - 65033

O-27 42" Wide-Radius
Curved Track

12 sections form
42"-diameter
circle

10-7/8 inches

part no.
6 - 65049

O-27 54" Wide-Radius
Curved Track

16 sections form
54"-diameter
circle

14-1/2 inches

part no.
6 - 65113

O-27
Insulated Track

use to activate
accessories, etc.

8-3/4 inches

part no.
6 - 12841

O-27
Uncoupling Track

use to open
magnetic couplers:
position the coupler
trigger activator
(disc or plate)
over the red target,
then press the control
button (included)

8-3/4 inches

part no.
6 - 65149

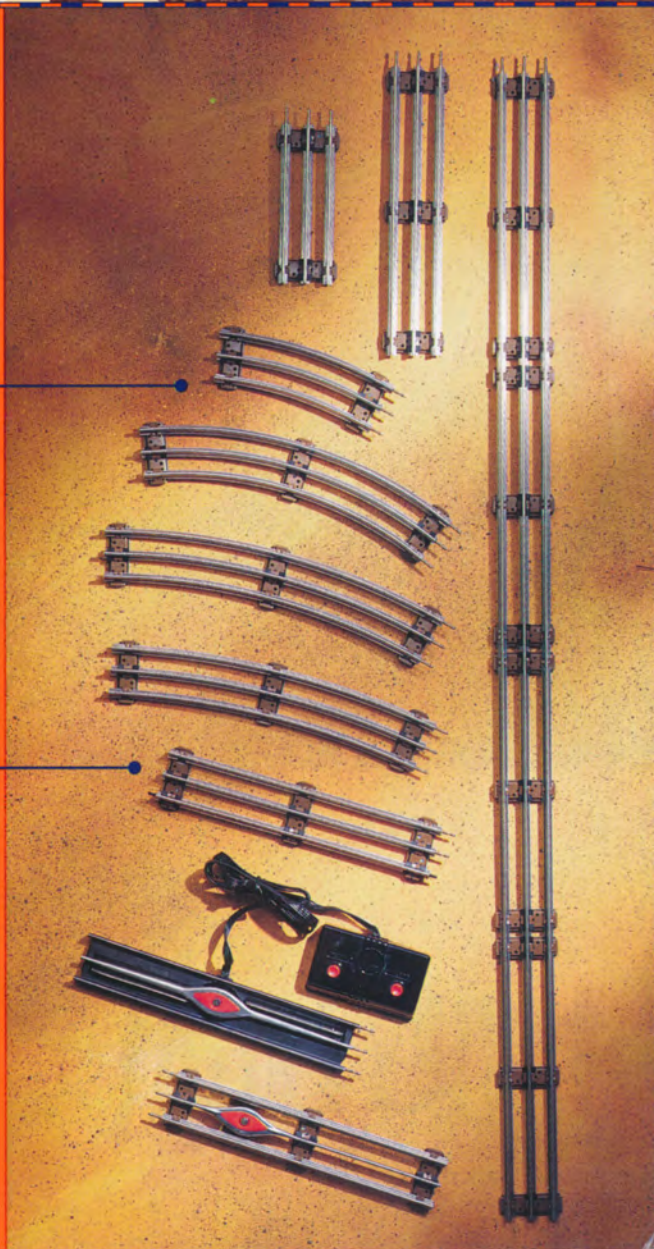
O-27
Remote-Control Track

use to open magnetic couplers
AND operate Lionel animated cars:
position the coupler trigger activator
(disc or plate) or animated car plunger/
activator over the red target and
press uncouple or unload (as appropriate).

includes UCS-40 controller

8-3/4 inches

part no.
6 - 12746



Lionel manufactures two three-rail track systems, Lionel O-27 gauge and Lionel O gauge. Three-rail O-gauge track has its origins in the 1880s, when it was first developed by pioneering German train builder, Märklin. Lionel's interpretation of Märklin's design dates to the earliest days of our company. And though identical in gauge—the distance between the outside rails—Lionel O and O-27 track systems serve different purposes in the world of Lionel railroading.

The first and most obvious is radius, or the “tightness” of the curve. Assemble Lionel curves into a circle and you get—that's right—a 27”-diameter circle. If your railroad has limited space, choose the Lionel O-27 track system. Plus, Lionel O-27 is value-priced and features a variety of curves and crossovers as well as manual and remote-control switches.

O-27



O-27
45° Crossover

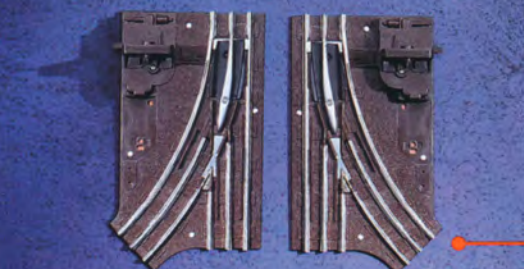
9-5/16 x 9-5/16
inches

part no.
6 - 65023

O-27
90° Crossover

7-3/8 x 7-3/8
inches

part no.
6 - 65020



8-3/4
inches / straight pathway

9-5/8
inches / curve

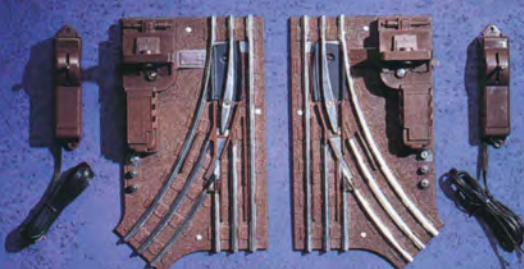
part no. (right hand)

6 - 65022

part no. (left hand)

6 - 65021

O-27 Manual Switch



includes one 1122-200
controller

8-3/4
inches / straight pathway

9-5/8
inches / curve

part no. (right hand)

6 - 65122

part no. (left hand)

6 - 65121

O-27 Remote-Control Switch



especially for
high-speed transitions

includes one
1122-200 controller

part no. (right hand)

6 - 65168

part no. (left hand)

6 - 65167

**O-27 42" Wide-Radius
Remote-Control Switch**



use to link track sections

O-27
Steel Pins

part no.
6 - 65042

O-27
Fibre Pins

use wherever you
need electrical insulation—
blocks, insulated
track sections, etc.

part no.
6 - 65041



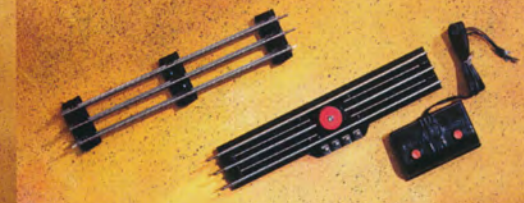
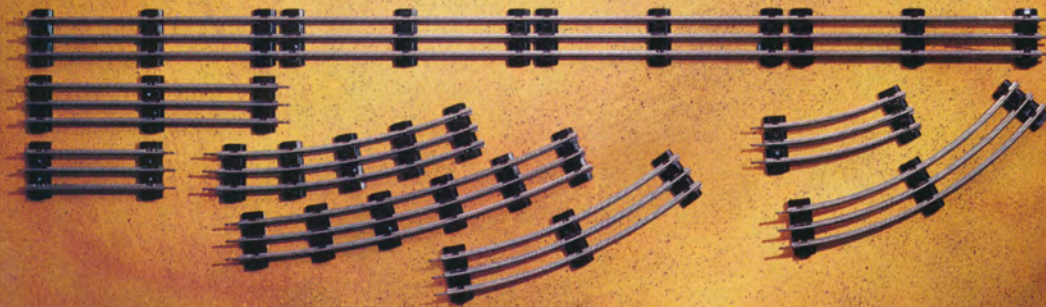
68 | 69



Lionel O



Lionel O-27



○ Extra-Long Straight Track
 40 inches
 part no.
 6 - 6 5 5 2 3

○ Straight Track
 10 inches
 part no.
 6 - 6 5 5 0 0

○ 1/2" Straight Track
 5-1/2 inches
 part no.
 6 - 6 5 5 0 5

○ 54" Wide-Radius Curved Track
 16 sections form a 54"-diameter circle
 10-3/8 inches
 part no.
 6 - 6 5 5 5 4

○ 72" Wide-Radius Curved Track
 16 sections form a 72"-diameter circle
 14 inches
 part no.
 6 - 6 5 5 7 2

○ 42" Wide-Radius Curved Track
 12 sections form a 42"-diameter circle
 10-1/2 inches
 part no.
 6 - 1 2 9 2 5

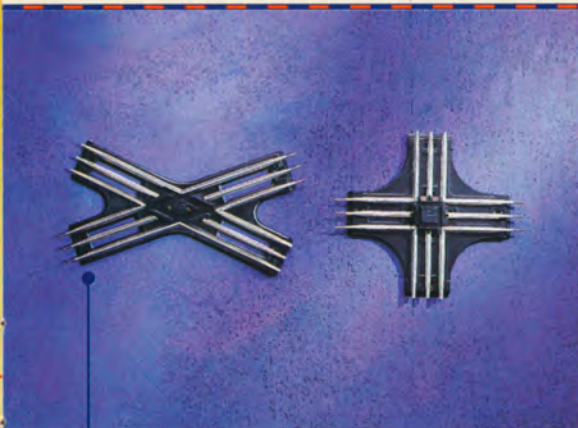
○ 1/2" Curved Track
 6 inches
 part no.
 6 - 6 5 5 0 4

○ Curved Track
 8 sections form a 31"-diameter circle
 10-5/8 inches
 part no.
 6 - 6 5 5 0 1

○ Insulated Track
 one insulated outside rail
 10 inches
 part no.
 6 - 1 2 8 4 0

○ Remote-Control Track
 use to open magnetic couplers AND operate Lionel animated cars: position the coupler trigger activator (disc or plate) or animated car plunger/activator over the red target and press uncouple or unload (as appropriate).
 includes UCS-40 controller
 10 inches
 part no.
 6 - 6 5 5 3 0

Lionel O-gauge is the standard track system in the Lionel line. Built to rigid standards for a lifetime of smooth operation, **Lionel O** is available in a variety of radii, starting at 31." **Lionel O** has a slightly taller profile for deeper wheel flanges. Compare the two track systems, and you'll see the height difference. The **Lionel O** track system is also designed to allow for operation of virtually all Lionel locomotives and rolling stock, including scale-proportioned pieces. Some larger Lionel locomotives and cars require the wider-radius curves of the **Lionel O** track system.



O
45° Crossover

11-3/4 x 11-3/4 inches

part no.
6 - 6 5 5 4 5

O
90° Crossover

8-5/16 x 8-5/16 inches

part no.
6 - 6 5 5 4 0

O
Steel Pins

use to link track sections

part no.
6 - 6 5 5 5 1

O
Fibre Pins

use wherever you need electrical insulation—blocks, insulated track sections, etc.

part no.
6 - 6 5 5 4 3



O
Remote-Control Switch

non-derailing feature automatically throws the switch to the correct position whenever a train enters either switch "leg"

reversible or removable lantern housing
manual-throw lever

lighted lantern indicates switch position

Command-ready (part no. 6-22960)

operates on track or fixed voltage

includes one O31-200 controller

8-1/8 inches / straight pathway
7-7/8 inches / curve

1-7/8 inches / straight extension
3-5/16 inches / curved extension

part no. (right hand)
6 - 2 3 0 1 1

part no. (left hand)
6 - 2 3 0 1 0

O
Wide-Radius Remote-Control Switch

non-derailing feature automatically throws the switch to the correct position whenever a train enters either switch "leg"

reversible or removable lantern housing
manual-throw lever

lighted lantern indicates switch position

Command-ready (part no. 6-22960)

operates on track or fixed voltage

includes one O22-200 controller

14-1/4 inches / straight pathway
14-1/8 inches / curve

part no. (right hand)
6 - 6 5 1 6 5

part no. (left hand)
6 - 6 5 1 6 6

Keep your Lionels in **top condition**

includes two
hookup wires

part no.
6-62905

slide-on clips

part no.
6-62901

part no.
6-12743

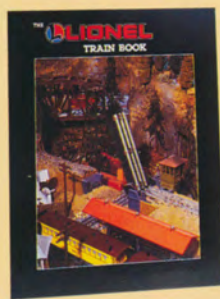
Lockon with
Wires

O-27 Track
Clips

O Track
Clips



72



Lionel
Train Book

Lubrication and
Maintenance Set

Smoke
Fluid

tips and tricks on building and
running your railroad
O gauge fundamentals
more

part no.
6-62985

\$14.95

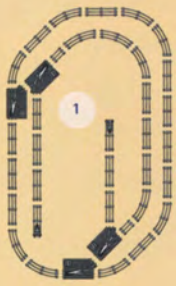

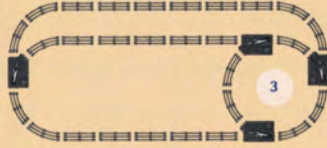





highly recommended to
keep your train and track
working their best

gear lube
oil applicator
track-cleaning fluid
track-cleaning eraser
cleaning instructions

part no.
6-62927

part no.
6-62909

Create your railroad using these basic designs

<p>20 straight tracks 12 curved tracks 2 1/2-straight tracks 3 left-hand switches 1 right-hand switch 2 bumpers</p> <p>O-27: 68" x 42" (5' 8" x 3' 6")</p> <p>O: 78" x 48" (6' 6" x 4')</p>	<p>12 straight tracks 14 curved tracks 1 1/2-straight track 1 right-hand switch 3 left-hand switches</p> <p>O-27: 35-3/4" x 79-1/2" (2' 11-3/4" x 6' 7-1/2")</p> <p>O: 41" x 91" (3' 5" x 7' 7")</p>	<p>16 straight tracks 12 curved tracks 2 right-hand switches 2 left-hand switches</p> <p>O-27: 79-1/2" x 35-3/4" (6' 7-1/2" x 2' 11-3/4")</p> <p>O: 91" x 41" (7' 7" x 3' 5")</p>	<p>16 straight tracks 15 curved tracks 4 1/2-straight tracks 2 right-hand switches 2 left-hand switches 2 bumpers</p> <p>O-27: 79-1/2" x 44-1/2" (7' 7-1/2" x 3' 8-1/2")</p> <p>O: 91" x 51" (7' 7" x 4' 3")</p>
<p>Layout 1</p> 	<p>Layout 2</p> 	<p>Layout 3</p> 	<p>Layout 4</p> 
<p>Layout 5</p> 	<p>Layout 6</p> 	<p>Layout 7</p> 	<p>Layout 8</p> 
<p>24 straight tracks 16 curved tracks 2 1/2-straight tracks 2 right-hand switches 2 left-hand switches 1 90° crossover</p> <p>O-27: 83-3/4" x 61-1/2" (6' 11-3/4" x 4' 11-1/2")</p> <p>O: 94" x 71-1/2" (7' 10" x 5' 11-1/2")</p>	<p>24 straight tracks 10 curved tracks 4 right-hand switches 2 left-hand switches 2 bumpers 1 90° crossover</p> <p>O-27: 97" x 40-1/2" (8' 1" x 3' 4-1/2")</p> <p>O: 111" x 46-1/2" (9' 3" x 3' 10-1/2")</p>	<p>22 straight tracks 19 curved tracks 1 1/2-straight track 2 90° crossovers</p> <p>O-27: 93-1/2" x 44-1/2" (7' 11-1/2" x 3' 8-1/2")</p> <p>O: 106-1/2" x 51" (8' 10-1/2" x 4' 3")</p>	<p>22 straight tracks 16 curved tracks 2 1/2-straight tracks 2 right-hand switches 2 left-hand switches</p> <p>O-27: 88-1/4" x 40-5/8" (7' 4-1/4" x 3' 4-5/8")</p> <p>O: 101" x 46-1/2" (8' 5" x 3' 8-1/2")</p>

A Guide to Lionel Features



Transformer Controlled: All Lionel engines have this feature. It means they can be operated with any appropriate traditional transformer.

Command Ready: The product is equipped to be upgraded to full Command control with the purchase of a Lionel Command upgrade kit. No soldering or wiring required.

Command Controlled: The product is equipped to operate in "Command" mode in conjunction with the Lionel TrainMaster Command control system.

DynaChuff (steam engines only): The intensity of the chuffing varies with the throttle commands.

Ditch Lights: NEW! In Command mode, the ditch lights will oscillate when the horn is blown.

Directional Lighting: The product has both a headlight and a backup light. The appropriate light will come on depending on direction.

ElectroCouplers: Electronic couplers that can be activated in Command mode anytime, anywhere—even under way—without having to arm them.

Magne-Traction: A Lionel invention, this feature increases the engine's track adhesion, increasing its traction and its stability around curves.

Wireless Tether: NEW! An infrared communication system that eliminates the hard tether between an engine and tender or B-unit.

In conjunction with the Lionel TrainMaster Command control system, all sounds can be manually activated "on command"—anytime, anywhere. Some will also activate randomly or in response to engine commands or train movement. Volume can generally be adjusted on the engine or car, or by using the CAB-1 remote controller. All sounds are digitally recorded, and product with a sound feature is acoustically optimized for superior sound quality; listen to what a difference this makes!

RailSounds includes the following:

- ~ multihorn whistle/bell. The horn/whistle sounds actually change with each blast.
- ~ engine braking gives you the sound of screeching brakes
- ~ shut-down
- ~ start-up
- ~ blowoff (steam engines only)
- ~ letoff
- ~ diesel rpms . . . operates from track voltage and engine speed
- ~ coupler sounds
- ~ direction reverse sounds
- ~ DynaChuff sounds
- ~ compressor sounds

SignalSounds: digital signaling sound system that includes horn/whistle and bell.

TrainBrakes: NEW! The sound of brakes operating on any car that is equipped with this feature. Used in conjunction with Engine Braking, this gives a stereo effect which makes it sound as if the whole train is braking—just like real life!

TowerCom: NEW! An audible announcement that includes that engine's road number and/or name.

CrewTalk: NEW! The sound of unintelligible walkie-talkie communication. When used collectively, the CrewTalk family of sounds provides the interactive, sequenced sounds of radio communication between different parts of the train. Just imagine: the engine "talks" and the caboose responds.

CrewTalk Caboose: NEW! Sounds emanate from the caboose, including:

- ~ Caboose chatter
- ~ TrainBrakes
- ~ ElectroCoupler operation

Station Sounds™: NEW! Activate this feature in Command mode and hear the arrival sequence: distinguishable station and conductor announcements come from the car and tower-to-engineer communication comes from the engine—all in sequence. Press another button and the departure sequence is activated: TowerCom and StationSounds sequentially announce that specific train's departure. Also includes:

- ~ TrainBrakes
- ~ ElectroCoupler operation

CarSounds: NEW! Sounds emanate from the car, customized for each application and appropriate for the car that includes this feature.

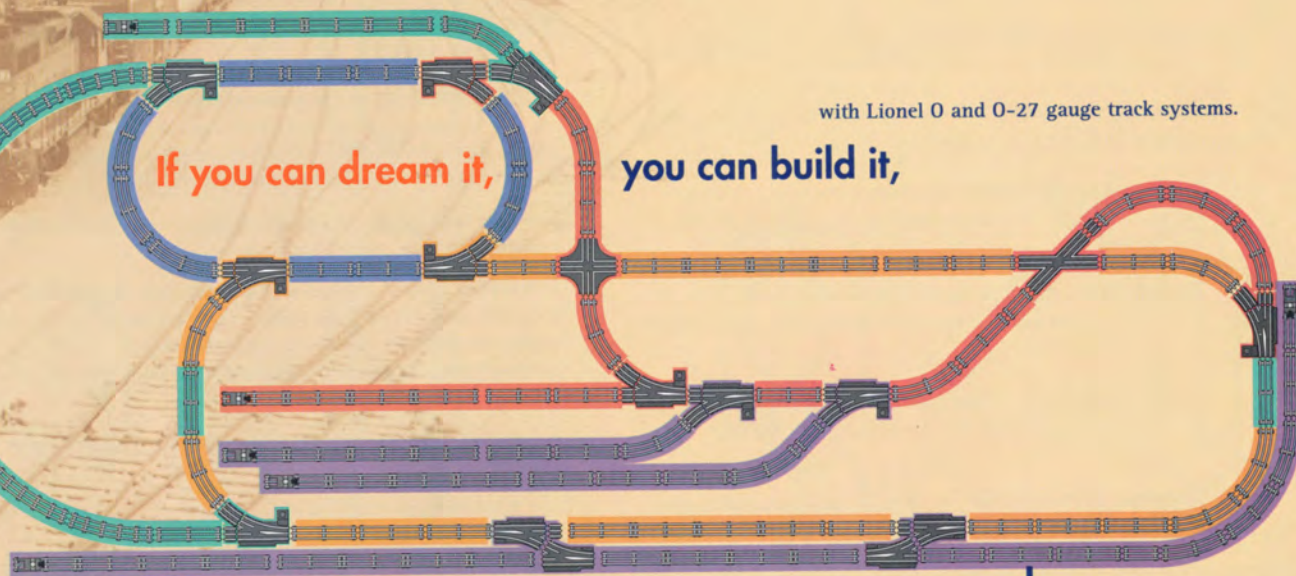


Lionel track systems let your railroad **keep growing**

Start small and keep on growing—that's the magic of Lionel O and O-27 track systems. No matter what size the empire, you can always **add additional components quickly and easily**. That's because Lionel track systems are **designed with future expansion in mind**. Just look at how this railroad grows into the dynamic track plan featured here!

with Lionel O and O-27 gauge track systems.

If you can dream it, you can build it,



As with many Lionel railroads, this action-filled empire begins life as a basic oval.

Add the interconnecting second loop for more operational variety.

Phase three involves the addition of yards and sidings, as well as innovative use of crossovers.

The fourth phase brings more switches and sidings, as well as a large, sweeping curve to provide additional connectivity between the two primary loops.

The fifth—never say final!—phase of track laying integrates a needed passing siding and additional storage tracks.

Note the variety of right- and left-hand switch installations.



Need help?

At Lionel, we are committed to providing our customers with superior-quality products and service. It is a commitment shared by our many Lionel Authorized Dealers and Lionel Authorized Service Centers around the country. If you need help, or just have a question, call 1-800-4Lionel (1-800-454-6635) to locate a dealer or service center near you. Or, call the Lionel Customer Service Center at 810-949-4100. You can also e-mail us at LionelMI@aol.com. Our knowledgeable staff is always eager to help you fully enjoy the magical world of Lionel model trains.



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