



# PARTS LISTS AND EXPLODED DIAGRAMS

## SUPPLEMENT 14

*By Gary T. Svehar*

*Edited by Cindy Lee Floyd*

*with the assistance of Anthony Arpino, William Beatty, and I. D. Smith*

### Notice to the User

**Note:** The schematic on the following page replaces page S12:14-6 in Supplement 12. If you do not have Supplement 12, this page may be placed at the back of this Supplement.

This supplement is designed to fit with two different publications, the **Lionel Service Manual** by Lionel Trains, Inc., and **Lionel Parts Lists and Exploded Diagrams** published by Greenberg Publishing Company, Inc. Each page has two page numbers. The number for the Lionel Service Manual is indicated by parentheses, e.g., (A-35). The number which applies to **Lionel Parts Lists and Exploded Diagrams** is above the parentheses, e.g., S14:1-4.

We recommend that readers with the **Lionel Service Manual** insert the pages according to the numbers in the parenthesis. On the other hand, we recommend that readers with **Lionel Parts Lists and Exploded Diagrams** keep the pages as a set and insert them into a Supplement binder. Binders to match the 1970-1986 binder are available from Greenberg Publishing Company, Inc., for \$7.50 plus \$2.50 shipping and handling. A comprehensive index to the **Lionel Parts Lists and Exploded Diagrams** will be issued periodically, and will take the place of the index at the front of the original 1970-1986 manual.

**Authorized by Lionel Trains, Inc.**

**Published by Greenberg Publishing Company, Inc.**

Copyright © 1989 by Lionel Trains, Inc.

All rights reserved.

Reproduction of the whole or any part of the contents  
without written permission is prohibited.

Manufactured in the United States of America.

Published by Greenberg Publishing Company, Inc.

7566 Main Street  
Sykesville, MD 21784  
(301) 795-7447

Greenberg Publishing Company, Inc., offers the world's largest selection of Lionel, American Flyer, and other toy train publications, as well as books on other collectibles such as toys, marbles, and dollhouses. For a copy of our current catalogue, please send a large self-addressed stamped envelope to Greenberg Publishing Company, Inc., at the above address.

Greenberg Shows, Inc., sponsors the world's largest public model railroad, dollhouse, and toy shows. The shows feature extravagant operating model railroads for N, HO, and O scales, Standard and 1 Gauges, as well as a huge marketplace for buying and selling nearly all model railroad equipment. The shows also feature a large selection of dollhouses and dollhouse furnishings, and other toy collectibles. Shows are currently offered in Timonium near Baltimore; Boston; Wilmington Delaware; Ft. Lauderdale, and Tampa, Florida; Cherry Hill, New Jersey; Long Island in New York; Philadelphia; Pittsburgh; and Richmond, Virginia. To receive our current show listing, please send a self-addressed, stamped envelope marked *Train Show Schedule* to the address above.

ISBN 0-89778-150-3

# INDEX TO LIONEL PARTS LISTS AND EXPLODED DIAGRAMS SUPPLEMENT 14

## ALPHABETICAL INDEX

### O AND O27 GAUGES

#### Diesel Engines and Electrics

Can Motor Type Diesel 1-8806	S14:1-1, 2, 3
Dash-8 4OC Diesel 1-8205	S14:1-4, 5
Diesel 1-8501	S14:1-6, 7, 8

#### Steam Locomotives

Steam Locomotive 1-8606 1-8607 1-8608	S14:3-1, 2, 3
0-4-0 B6 Switcher 1-8000	S14:1-4, 5, 6, 7

#### Tenders

0-6-0 B6 Switcher Tender 1-8000-T01	S14:4-1,2
Tender 1-8606-T01 1-8607-T01 1-8608-T01	S14:4-3

### Boxcars, Refrigerator Cars, and Stock Cars

Single Door Boxcars	S14:6-1
1-9200 1-9201 1-9202	
1-9203 1-9204 1-9206	
1-9209 1-9210 1-9211	
1-9212 1-9214	

Double Door Boxcars	S14:6-2
1-9207 1-9208 1-9205	

Wood side Reefer	S14:6-3
1-9502 1-9503 1-9504	

#### Operating Cars

Extension Searchlight Car 1-6615	S14:11-1
-------------------------------------	----------

#### Accessories

Rotary Radar Antenna 1-2749	S14:14-1
--------------------------------	----------

## NUMERICAL LISTING

1-2749	S14:14-1	1-9202	S14:6-1
1-5606-T01	S14:4-3	1-9203	S14:6-1
1-6615	S14:11-1	1-9204	S14:6-1
1-8000-T01	S14:4-1,2	1-9205	S14:6-2
1-8000	S14:3-4, 5, 6, 7	1-9206	S14:6-1
1-8205	S14:1-4, 5	1-9207	S14:6-2
1-8501	S14:1-6, 7, 8	1-9208	S14:6-2
1-8607-T01	S14:4-3	1-9209	S14:6-1
1-8607	S14:3-1, 2, 3	1-9210	S14:6-1
1-8608-T01	S14:4-3	1-9211	S14:6-1
1-8606	S14:3-1, 2, 3	1-9212	S14:6-1
1-8608	S14:3-1, 2, 3	1-9214	S14:6-1
1-8806	S14:1-1, 2, 3	1-9502	S14:6-3
1-9200	S14:6-1	1-9503	S14:6-3
1-9201	S14:6-1	1-9504	S14:6-3

# LIONEL SERVICE MANUAL BY LIONEL SERVICE

Description	Drawing
<b>Steam Locomotives:</b>	
0-4-0 B6 Switcher . . . . . 1-8000	(A-41), (A-41-2), (A-41-3), (A-41-4)
Steam . . . . . 1-8606 1-8607 1-8608	(A-42), (A-42-2), (A-42-3)
<b>Diesel Engines and Electrics:</b>	
Diesel, Can Motor Type . . . . . 1-8806	(B-36), (B-36-2), (B-36-3)
Diesel, Dash-8 4OC . . . . . 1-8205	(B-37), (B37-2)
Diesel, Switcher . . . . . 1-8501	(B-38), (B-38-2), (B-38-3)
<b>Tenders:</b>	
0-6-0 Switcher B-6 . . . . . 1-8000-T01	(C-23), (C-23-2)
Tender . . . . . 1-8606-T01 1-8607-T01 1-8608-T01	(C-24)
<b>Boxcars, Refrigerator Cars, and Stock Cars:</b>	
Single Door Boxcar . . . . . 1-9200, 1-9201, 1-9202, 1-9203 1-9204, 1-9206, 1-9209, 1-9210, 1-9211, 1-9212, 1-9214	(F-78)
Double Door Boxcar . . . . . 1-9207, 1-9208, 1-9205	(F-79)
Wood side Reefer . . . . . 1-9502, 1-9503, 1-9504	(F-80)
<b>Operating Cars:</b>	
Extension Searchlight Car . . . . . 1-6615	(F-81)
<b>Accessories:</b>	
Rotary Radar Antenna . . . . . 1-2749	(I-40)

# DIESEL LOCOMOTIVE (Can Motor Type)

## 1-8806 SD-18 New Haven

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
10-8806-7	1	SD-18 New Haven Cab
675-31	1	Bell
1776-13	1	Horn
2321-146	1	Reflector
2328-10	1	Marker Light and Headlight Lens
8071-30	2	Eyelet (cab mounting)
8352-55	1	Windshield
8360-56	1	Window Shell
8477-6	4	Grab-Handle
8851-40	2	Screw (cab mounting)
	1	Chassis Assembly — see below for breakdown
10-8806-101	1	Motor Truck Assembly — see below for breakdown
8263-55	1	<b>Coupler Arm, Knuckle, and Armature Assembly</b>
8263-51	1	Coupler Arm and Knuckle Assembly
	1	<b>Chassie Assembly</b>
103-1	1	E-Unit (electronic)
600-133	2	Speed Nut
601-131	3	Cup Washer
2145-91	1	Lamp Spring (front locator tab and front motor truck mounting)
7227-30	2	Wire Nut
8010-35	1	Screw (E-Unit bracket mounting)
8152-80	1	Underframe
8352-300	1	Lamp and Socket Assembly (lamp only 8352-310)
8506-55	1	Screw (weight mounting)
8855-56	2	Spring
10-8301-55	1	Cable Tie
10-8806-58	1	Frame Assembly (black)
10-8806-101	1	Motor Truck Assembly — see below for breakdown
10-8806-201	1	Plain Truck Assembly — see below for breakdown
10-8806-559	1	Weight
10-8901-55	1	E-Unit Bracket
3664-303	1	Miniature Switch
8400-5	2	Screw (switch mounting)
671M-22	1	Retaining Clip
10-8806-101	1	<b>Motor Truck Assembly</b>
222-108	3	Rubber Tire
671-21	1	Axle With Knurl
671-25	1	Plain Axle
8010-122	2	Plain End Wheel
8010-123	2	Gear End Wheel (undercut)

**DIESEL LOCOMOTIVE (Can Motor Type)  
1-8806 SD-18 New Haven**

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
8040-117	2	Idler Gear
8263-60	1	Coupler Arm
8376-521	2	Locator Tab
8855-111	1	Gear Wheel without Flange (undercut)
8855-124	1	Plain Wheel without Flange
9050-56	1	Knuckle
9050-57	1	Uncoupler Plunger
9150-58	1	Uncoupler Armature
10-8806-70	1	Truck Side and Motor Cover
10-8806-73	1	Pilot
10-8806-105	1	Truck Frame
10-8806-576	1	Worm Wheel
8400-550	1	Screw (rear truck side cover mounting)
TC-23	1	Rivet
18-5101-92	2	Screw (truck side and cover and pilot mounting)
18-5101-122	2	Screw (motor mounting)
18-5101-502	1	Motor and Worm Gear Assembly
10-8806-201	1	<b>Plain Truck Assembly</b>
671-25	3	Axle
8010-122	4	Plain Wheel
8263-60	1	Coupler Arm
8376-521	1	Locator Tab
8855-124	2	Plain Wheel without Flange
9050-56	1	Knuckle
9050-57	1	Uncoupler Plunger
9150-58	1	Uncoupler Armature
10-8806-70	1	Truck Sides and Motor Cover
10-8806-73	1	Pilot
10-8806-75	3	Retainer Stud
10-8806-105	1	Truck Frame
10-8806-123	1	Roller Contact
10-8806-144	1	Ground Strap
10-8806-215	3	Axle Spacer
10-8806-220	1	Truck Mounting Stud
8400-550	1	Screw (rear truck side and cover mounting)
TC-23	1	Rivet
18-5101-92	2	Screw (truck side, cover and pilot mounting)
8209-165	2	Roller and Bracket Assembly
2328-95	2	Roller
2328-96	2	Roller Pin
8209-130	2	Collector Bracket

**DIESEL LOCOMOTIVE (Can Motor Type)**  
**1-8806 SD-18 New Haven**  
*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
		<b>Note Coupler Assembly Available</b>
8263-51	1	Coupler Arm and Knuckle Assembly
8263-55	1	Coupler Arm, Knuckle and Armature Assembly



# DIESEL LOCOMOTIVE (Dash-8 40C) 1-8205 Union Pacific

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
10-8205-2	1	Dash-8 40C Union Pacific Cab
8240-71	10	Screw (handrail mounting)
10-8205-10	3	Decal (Dash-8 Union Pacific)
10-8205-13	1	Horn
10-8205-14	1	Engineer
10-8205-17	1	Front Numberboard (RH)
10-8205-41	1	Tape (black crepe paper)
10-8205-55	1	Dash-8 Rear Light Retainer
10-8205-65	1	Dash-8 Windshield
10-8205-67	1	Dash-8 Rear Numberboard
10-8205-74	1	Numberboard Housing (gray)
10-8205-97	1	Handrail Forward (RH)
10-8205-107	1	Handrail Forward (LH)
10-8205-114	2	Handrail and Chain
10-8205-127	1	Handrail (RH)
10-8205-137	1	Handrail (LH)
10-8205-185	1	Engineer Platform
10-8205-217	1	Front Numberboard (LH)
10-8205-285	1	Dome
8142-46	2	Screw (cab mounting)
8240-71	2	Screw (frame support mounting)
8585-90	2	Frame Support
10-8201-12	2	Brass Eyelet (cab mounting)
10-8205-354	2	Hose Assembly
10-8205-501	1	Dash-8 40C Chassis Assembly — see below for breakdown
10-8205-571	2	Motor Truck Assembly — see page B-37-2 for breakdown
10-8205-572	2	Dash-8 Motor Truck Assembly — see page B-37-2 for breakdown
<b>10-8205-501</b>	<b>1</b>	<b>Dash-8 40C Chassis Assembly</b>
100-4	1	E-Unit
101-48	1	Screw
600-133	4	Speed Nut
601-131	4	Cup Washer
1695-22	1	Rivet
7227-30	3	Wire Nut
8002-123	2	Screw
8152-50	1	Horn Board
8152-536	1	Speaker
8240-71	4	Screw
8265-518	1	Foam Pad
8265-525	2	Motor Truck Spacer
8352-300	2	Lamp and Socket Assembly

**DIESEL LOCOMOTIVE (Dash-8 40C)**  
**1-8205 Union Pacific**  
*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
8458-60	1	Wire Harness Assembly
8458-516	2	SD-40 Frame Dual Motor
8477-85	1	Circuit Board Mounting Bracket
8600-52	3	Screw
8855-56	4	Spring
8904-52	1	E-Unit Bracket
10-8205-9	1	Bulb (grain of wheat)
10-8205-88	1	Mars Light Circuit Board
10-8205-571	2	Motor Truck Assembly (magnetized)
10-8205-584	1	Fuel Tank Assembly
<b>10-8205-571</b>	<b>2</b>	<b>Motor Truck Assembly</b>
10-8205-572	1	Dash-8 40C Motor Truck Assembly (less armature and brushplate)
		— see below for breakdown
<b>10-8205-572</b>	<b>1</b>	<b>Dash-8 Motor Truck Assembly</b>
2343-32	2	Plain End Wheel (recessed)
10-8205-288	2	Dash-8 40C Truck Side

For balance of parts refer to pages 15-55 and 15-56 in the basic manual.  
Users of Lionel Service Manual should refer to D-63.

# DIESEL LOCOMOTIVE 1-8501 Switcher

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
10-8501-2	1	Western Maryland Cab
622-7	1	Lock Plate
622-8	1	Horn
622-10	1	Radio Wheel
622-15	2	Handrail
622-17	4	Rivet
622-80	2	Handrail (rear)
2321-146	1	Reflector
8010-29	1	Bell
8040-151	2	Headlight Lens
8111-30	2	Marker Light
1666-E11	20	Cotter Pin
10-8501-500	1	Chassis Assembly
<b>10-8501-500</b>	<b>1</b>	<b>Chassis Assembly</b>
101-48	1	Screw (E-Unit mounting)
363-300	1	Lamp
622-19	1	SW-2 Frame
622-41	1	Truck Side
622-62	1	Bell Truck Assembly — see page B-38-2 for breakdown
622-72	1	E-Unit Bracket
622-76	2	Frame Handrail
622-77	6	Handrail Support
622-79	2	Side Handrail
622-85	1	Gear (truck side)
622-100	1	Motor Complete (see 8753-100 pages 4-19, D19, 1586, 1587)
622-173	1	Motor Truck Frame Assembly — see page B-38-3 for breakdown
622-199	1	Motor Truck Pivot
2145-91	1	Spring (front truck grounding spring)
8010-117	1	Pinion Gear
8142-63	1	Lock Washer
8142-65	2	Screw (truck side mounting)
8600-46	1	Screw (motor truck to motor mounting)
8851-36	1	Screw (E-Unit bracket mounting)
8960-52	2	Pal Nut
9177-30	1	Lamp Lead and Contact Assembly
10-8301-55	1	Cable Tie
10-8501-71	2	Coupler Armature Assembly — see page B-38-3 for breakdown
10-8501-105	1	Lamp Lead and Contact Assembly
10-8501-300	4	Screw (truck bracket mounting)
10-8501-526	1	E-Unit
R-91	2	Lamp Spring

## DIESEL LOCOMOTIVE 1-8501 Switcher

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
145C-11	2	Spring
<b>622-62</b>	<b>1</b>	<b>Bell Truck Assembly</b>
101-48	2	Screw (bell hammer bracket mounting)
622-41	2	Truck Side
622-43	1	Mounting Bracket
622-46	1	Bell Hammer
622-47	2	Pawl
622-50	1	Screw (pawl wheel pivot)
622-53	1	Bell Hammer Arm Assembly
622-54	1	Bell Spacer
622-59	1	Truck Frame Assembly — see below for breakdown
622-60	1	Shoulder Screw (front truck mounting)
622-133	1	Spring
622-188	1	Bell Truck Pivot Bracket
2333-33	1	Collector Pin
2333-34	1	Insulation
2333-42	2	Insulation Washer
8142-65	2	Screw (truck side mounting)
8306-633	1	Screw (bell and bell spacer to bell bracket mounting)
8950-151	1	Screw (bell bracket mounting)
10-4690-60	1	Lock Washer
10-8501-52	1	Bell Mounting Bracket
10-8501-186	1	Collector Frame Assembly — see below for breakdown
622-49	1	Pawl Wheel
2227-B22	1	Bell
18-7401-22	2	Screw (collector assembly mounting)
<b>622-59</b>	<b>1</b>	<b>Truck Frame Assembly</b>
622-51	1	Worm Axle
671-25	1	Axle
2333-28	4	Axie Bushing
2343-33	4	Wheel (plain with flange)
10-8501-40	1	Bell Truck Frame
<b>10-8501-186</b>	<b>1</b>	<b>Collector Frame Assembly</b>
622-135	1	Spring (RH)
622-136	1	Spring (LH)
2023-41	2	Collector Arm Assembly — see below for breakdown
2333-39	1	Collector Frame
2333-168	2	Collector Pin (knurled)
10-8501-187	1	Lead and Ring Terminal
<b>2023-41</b>	<b>1</b>	<b>Collector Arm Assembly</b>
41-22	1	Collector Roller

## DIESEL LOCOMOTIVE 1-8501 Switcher

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
2023-42	1	Collector Arm
2023-44	1	Collector Pin
<b>622-173</b>	<b>1</b>	<b>Motor Truck Frame Assembly</b>
622-28	3	Dowel Pin
623-22	1	Worm Wheel
2343-33	2	Plain Wheel
2353-29	1	Axle (knurled, magnetic)
2353-30	1	Axle (plain, magnetic)
8010-117	2	Pinion Gear
8950-20	4	Bearing (self lube)
8950-35	2	Gear Wheel
<b>90-8606-T70</b>	<b>1</b>	<b>Coupler Arm Assembly</b>
480-8	1	Knuckle
480-16	1	Knuckle Spring
TC-23	1	Rivet
8606-T60	1	Coupler Arm
9050-57	1	Uncoupler Plunger
9150-58	1	Armature

# STEAM LOCOMOTIVES

## 1-8606 New York Central

## 1- 8607 Union Pacific

## 1-8608 Denver and Rio-Grande Western

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
10-8606-7	1	New York Central Boiler and Cab (stamped)
10-8606-14	1	Steam Chest (black) used on 1-8606 and 1-8608
10-8607-7	1	Union Pacific Boiler and Cab (stamped)
10-8607-14	1	Steam Chest (gray) used on 1-8607
10-8608-7	1	Denver and Rio-Grande Western Boiler and Cab (stamped)
128-72	2	Screw (steam chest to boiler mounting)
8040-151	1	Lens
8142-16	1	Bell
8304-18	2	Running Light
8142-95	2	Crosshead Guide
8240-71	2	Screw (crosshead guide mounting)
10-8606-63	1	Valve Gear Assembly (RH) — see 10-8606-64 LH below for breakdown
10-8606-64	1	Valve Gear Assembly (LH) — see below for breakdown
736-30	2	Screw (eccentric crank)
226E-28	2	Spacer (eccentric crank)
18-7401-22	2	Screw (valve gear mounting, used on RH or LH)
10-8606-73	1	Crosshead Assembly (RH) — see 10-8606-74 LH below for breakdown
10-8606-74	1	Crosshead Assembly (LH) — see below for breakdown
10-8606-100	1	Motor Assembly Complete — see page A-44-2 for breakdown
<b>10-8606-63</b>	<b>1</b>	<b>Valve Gear Assembly (RH) — see 10-8606-64 LH for breakdown</b>
<b>10-8606-64</b>	<b>1</b>	<b>Valve Gear Assembly (LH)</b>
226E-17	2	Valve Stem (used on RH and LH)
226E-19	2	Eccentric Crank (used on RH and LH)
226E-51	1	Combination Lever (RH)
226E-13	1	Combination Lever (LH)
700E-51	2	Eccentric Rod (used on RH and LH)
700E-53	2	Eccentric Pin (used on RH and LH)
700E-54	2	Eccentric Rod Rivet (used on RH and LH)
700E-55	2	Valve Stem Rivet (used on RH and LH)
<b>10-8606-73</b>	<b>1</b>	<b>Crosshead Assembly (RH)</b>
<b>10-8606-74</b>	<b>1</b>	<b>Crosshead Assembly (LH)</b>
350-122	2	Flat Washer (used on RH and LH)
726-49	2	Drive Screw (used on RH and LH)
726-66	2	Crosshead (used on RH and LH)
8516-16	1	Drive Rod (used on RH and LH)
1668-E9	2	Side Rod
736-12	4	Side Rod Screw

**STEAM LOCOMOTIVES**  
**1-8606 New York Central**  
**1- 8607 Union Pacific**  
**1-8608 Denver and Rio Grande Western**  
*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
675-19	1	Front Truck — see lists 4-55 and 15-3
2026-18	1	Front Truck Plate
2036-15	1	Drawbar
2036-22	1	Screw (rear truck mounting)
8002-123	2	Screw (switch mounting)
8306-637	2	Screw (front truck bracket mounting)
10-8606-40	1	Trailing Truck Assembly — see page A-42-3 for breakdown
10-8606-46	2	Screw (cab mounting)
18-5102-62	2	Washer (motor and cab spacing mounting)
<b>10-8606-100</b>	<b>1</b>	<b>Motor Assembly Complete</b>
242-206	1	Rubber Tire
7227-30	1	Wire Nut
8040-118	1	Cluster Gear
8209-165	2	Roller Bracket Assembly
103-1	1	E-Unit (electronic)
8403-130	1	Roller Contact
8516-50	1	Smoke Unit Assembly
8516-55	1	Smoke Unit Piston
8516-57	1	Piston Return Spring
8600-52	4	Screw (can motor mounting) (gear retainer mounting)
8616-55	1	E-Unit Mounting Bracket
10-8606-103	1	DC Motor and Pinion Assembly
10-8606-105	1	Gear Retainer
3664-303	1	Miniature Switch
18-7401-22	2	Screw (smoke unit mounting)
10-8606-500	1	Motor Frame and Wheel Assembly
2026-122	2	Axle
2036-137	1	Plain Center Wheel
8516-52	1	Smoke Cam
8516-120	1	Axle (swedged)
8600-119	1	Cluster Gear
8600-143	1	Second Intermediate Gear
10-8606-123	1	Gear (end wheel)
10-8606-124	1	Gear (end wheel undercut)
10-8606-125	2	Plain End Wheel
10-8606-133	1	Gear (center wheel)
10-8606-501	1	Motor Body
2026-112	4	Spacer
2035-135	1	Shoulder Gear Stud
2036-103	3	Axle Bearing (RH)
2036-107	3	Axle Bearing (LH)

S14:3-2

(A-42-2)

**STEAM LOCOMOTIVES**  
**1-8606 New York Central**  
**1- 8607 Union Pacific**  
**1-8608 Denver and Rio Grande Western**  
*(provided by Lionel Service)*

<b>PART NUMBER</b>	<b>QUANTITY PER UNIT</b>	<b>DESCRIPTION</b>
10-8606-505	1	Roller Contact Bracket
10-8606-515	1	Smoke Lever
262E-13	1	Gear Stud
8516-9	1	Bulb (grain of wheat)
<b>10-8606-40</b>	<b>1</b>	<b>Tralling Truck Assembly</b>
671-151	1	Truck Spring
1120-10	1	Rivet
1661-8	2	Axle
1862-8	2	Front Truck Wheel
2036-16	1	Truck Frame
8040-11	2	Rear Wheel



# 0-4-0 PENNSYLVANIA B6 SWITCHER

## 1-8000

(provided by Lionel Service)

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
10-8000-2	1	Boiler Assembly — see below for breakdown
10-8000-10	1	Boiler Front Assembly — see below for breakdown
10-8000-20	1	Coupler Bracket Assembly — see below for breakdown
10-8000-51	1	Collector Assembly Complete — see page A-41-2 for breakdown
10-8000-500	1	Frame Assembly and Parts — see page A-41-2 for breakdown
10-8000-200	1	Smoke Unit Assembly Complete — see page A-41-3 for breakdown
10-8000-501	1	Frame and Wheel Assembly — see page A-41-3 for breakdown
10-8000-503	1	Crosshead and Drive Rod Assembly (RH) — see page A-41-3 for breakdown
10-8000-504	1	Crosshead and Drive Rod Assembly (LH) — see page A-41-3 for breakdown
10-8000-505	1	Valve Gear Supply Assembly — see page A-41-3 for breakdown
10-8000-150	1	Motor Assembly Complete — see page A-41-4 for breakdown
10-8000-300	1	E-Unit Complete — see page A-41-4 for breakdown
<b>10-8000-2</b>	<b>1</b>	<b>Boiler Assembly Complete</b>
227-8	2	Side Grabrail
227-9	1	Sand Dome Rod
227-10	1	Air Pipe
227-11	1	Grabrail (RH)
227-12	1	Grabrail (LH)
227-14	1	Handrail
8002-123	1	Screw (bell mounting)
8950-150	2	Screw (boiler front mounting)
10-8000-70	22	Stanchion
700E-70	1	Stanchion
700E-118	1	Bell Frame
700E-165	2	Jewel (red)
700E-167	2	Jewel (amber)
700E-233	1	Bell
<b>10-8000-10</b>	<b>1</b>	<b>Boiler Front Assembly Complete</b>
227-23	1	Light Lens
227-24	1	Front Rail
1615-62	2	Rivet
10-8000-14	1	Boiler Front (rim)
10-8000-22	1	Smokebox Door
10-8000-55	1	Number Rivet
10-8000-70	3	Stanchion
<b>10-8000-20</b>	<b>1</b>	<b>Coupler Bracket Assembly</b>
1615-93	1	Spring
2321-164	1	Coupler Head Shaft
8030-120	1	Coupler Head Assembly
8250-35	1	Washer (fibre)

# 0-4-0 PENNSYLVANIA B6 SWITCHER

## 1-8000

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
671M-22	1	Retainin Ring
671M-23	1	Thrust Washer
10-8000-23	1	Coupler Bracket
10-8000-156	1	Armature Uncoupler Assembly
8304-165	2	Screw (front coupler assembly bracket mounting)
8753-325	1	Screw (front cab mounting)
10-8000-39	2	Screw (rear cab mounting)
10-8000-51	1	<b>Collector Assembly Complete</b>
227-52	1	Collector Bracket
10-8000-142	1	Shoe Roller Assembly
226E-49	1	Collector Spring
226E-90	1	Collector Pivot
671M-22	1	Retaining Ring
2023-44	1	Collector Pin
2035-140	1	Collector Roller
10-8000-141	1	Collector Arm
<b>10-8000-500</b>	<b>1</b>	<b>Frame Assembly and Parts</b>
2-111	1	Lock Washer
11-24	6	Washer
101-48	5	Screw (E-Unit, E-Unit bracket mounting, smoke unit, and lamp bracket mtg.)
227-53	1	Side Rod (RH)
227-54	1	Side Rod (LH)
227-55	6	Screw (drive rod attaching)
227-56	1	Worm Shaft
227-68	1	Worm Cover
227-69	1	Worm Cover Gasket
227-87	2	Valve Rod
227-88	2	Screw (shoulder, long)
227-92	1	Front Railing
671M-23	4	Thrust Washer
700E-24	2	Worm Shaft Bearing
681-121	2	Thrust Bearing
2333-42	3	Insulation Washer
8304-165	8	Screw (4 worm cover mounting, 2 valve gear support, 2 collector mounting)
8306-121	1	Sleeve
8306-213	1	Smoke Unit Piston
8306-533	1	Screw (motor mounting)
8306-536	2	Screw
8306-632	3	Screw (oil plug)
10-8000-50	1	Drawbar Pin
10-8000-60	1	Eccentric Rod (LH)
10-8000-61	1	Spur Gear

## 0-4-0 PENNSYLVANIA B6 SWITCHER 1-8000

(provided by Lionel Service)

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
10-8000-70	3	Stanchion
10-8000-130	1	Socket and Bulb Assembly
<b>10-8000-200</b>	<b>1</b>	<b>Smoke Unit Assembly Complete</b>
10-8000-205	1	Smoke Manifold
10-8000-222	1	Smoke Lever
10-8000-230	1	Lamp Bracket (included with smoke unit 10-8000-200)
10-8000-305	1	E-Unit Bracket
<b>10-8000-501</b>	<b>1</b>	<b>Frame and Wheel Assembly</b>
101-48	2	Screw
227-32	1	Worm Gear
227-33	1	Gear Axle
227-34	6	Axle Bushing
227-41	2	Wheel Axle
227-42	2	Idler Gear
227-48	2	Collector Insulation
701-12	1	Geared Center Wheel Assembly
701-15	2	Geared End Wheel Assembly
701-16	1	Plain Center Wheel Assembly
701-18	2	Plain End Wheel Assembly
773-63	2	Collector Insert
8304-165	2	Screw (collector insulation mounting)
10-8000-43	1	Eccentric Rod (RH)
10-8000-502	1	Steam Chest Assembly
10-8000-512	1	Frame with Gear Stud
2020-M9	2	Solder Lug
227-31	2	Pinion Stud
<b>10-8000-503</b>	<b>1</b>	<b>Crosshead and Drive Rod Assembly (RH)</b>
773-48	1	Screw (crosshead to drive rod mounting)
10-8000-170	1	Drive Rod (RH)
700E-239		Crosshead
<b>10-8000-504</b>	<b>1</b>	<b>Crosshead and Drive Rod Assembly (LH)</b>
773-48	1	Screw (crosshead to drive rod mounting)
773-51	1	Crosshead Assembly
10-8000-171	1	Drive Rod (LH)
<b>10-8000-505</b>	<b>1</b>	<b>Valve Gear Support Assembly</b>
227-63	1	Valve Gear Bearing (RH)
227-64	2	Valve Gear Lever
227-66	1	Valve Gear Bearing (LH)
227-67	2	Shoulder Screw
10-8000-161	1	Valve Gear Support
700E-55	2	Valve Stem Rivet

## 0-4-0 PENNSYLVANIA B6 SWITCHER 1-8000

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
<b>10-8000-150</b>	<b>1</b>	<b>Motor Assembly Complete</b>
227-95	1	Motor Pinion
622-140	1	Brushplate Assembly
681-121	1	Thrust Bearing
4300-65	2	Screw (brushplate mounting)
8040-150	2	Motor Brush
8306-140	1	Male Plug Assembly
8753-150	1	Motor Housing Assembly
10-8000-175	1	Armature
2020-M9	1	Solder Lug
671M-22	1	Retaining Ring
671M-23	2	Thrust Washer
<b>10-8000-300</b>	<b>1</b>	<b>E-Unit Complete</b>
671-140	1	Plunger Return
10-8000-301	1	Coil Assembly
10-8000-320	1	Plunger Pawl Pin Assembly
10-8000-81	1	Multi Contact
10-8000-82	1	Single Contact
259E-1	1	E-Unit Drum

# B-6 0-6-0 SWITCHER TENDER 1-8000-T01

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
8000-T02	1	Tender Body
2227-T06	2	Corner Handrail
2227-T07	1	Handrail
2227-T12	1	Rear Step
2227-T13	1	Coal Pile
2227-T16	1	Lamp Lens
700E-165	2	Jewel (red)
700E-167	2	Jewel (amber)
700E-176	4	Nut
8000-T08	1	Deck Rail Assembly
8000-T13	1	Side Light
18-7401-22	1	Screw (coal pile mounting)
8142-46	4	Screw (body to frame mounting)
8101-T35	2	Screw (rear step mounting)
8000-T14	1	Front Step (RH)
8000-T44	1	Front Step (LH)
91-8000-T50	1	Tender Chassis Assembly — see below for breakdown
91-8000-T80	1	Plain Truck Assembly — see below for breakdown
<b>91-8000-T50</b>	<b>1</b>	<b>Tender Chassis Assembly</b>
8142-46	5	Screw (circuit board and light bracket mounting)
8152-536	1	Speaker
8600-52	2	Screw (switch mounting)
10-8000-130	1	Socket Bulb
10-9000-30	5	Wire Nut
2203-B06	1	Drawbar
671M-22	2	Retaining Ring
3664-303	1	Switch
8000-T40	1	Circuit Board
8000-T52	1	Frame
8000-T60	1	Male Plug Assembly
8000-T75	1	Light Bracket
8000-T80	1	Plain Truck Assembly — see below for breakdown
8000-T90	1	Operating Coupler Truck — see page C-23-2 for breakdown
8000-T95	1	Circuit Board Mounting Bracket
<b>91-8000-T80</b>	<b>1</b>	<b>Plain Truck Assembly</b>
9050-54	1	Wheel and Axle Assembly
8000-T54	1	Wheel Axle and Magnet Assembly
8000-T55	4	Axle Bearing
8000-T81	1	Truck Frame Assembly — see page C-23-2 for breakdown
8000-T83	1	Hall Effect Sensor

**B-6 0-6-0 SWITCHER TENDER  
1-8000-T01***(provided by Lionel Service)*

<b>PART NUMBER</b>	<b>QUANTITY PER UNIT</b>	<b>DESCRIPTION</b>
91-8000-T81	1	Truck Frame Assembly
671M-23	1	Washer
8000-T58	1	Truck Stud
8000-T85	1	Sensor Mounting Bracket
91-8000-T90	1	Operating Coupler Truck
9234-90	1	Coupler Assembly
8000-T91	1	Plain Truck Complete
9050-54	2	Wheel and Axle Assembly
CP-58	1	Truck Stud
8000-T55	4	Axle Bearing

# TENDERS

## 1-8606-T01 New York Central

## 1-8607-T01 Union Pacific

## 1-8608-T01 Denver and Rio Grande Western

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
8606-T07	1	New York Central Tender Body
8607-T07	1	Union Pacific Tender Body
8608-T07	1	Denver and Rio Grande Western Tender Body
1666-T05	1	Handrail
2466-T10	1	Drawbar
671M-22	2	Retaining Ring
700E-70	2	Stanchion
8606-T10	1	Tender Frame
91-8606-T50	1	Plain Truck Assembly — see below for breakdown
91-8606-T60	1	Coupler Truck Assembly — see below for breakdown
18-7401-22	4	Screw (body mounting)
<b>91-8606-T50</b>	<b>1</b>	<b>Plain Truck Assembly</b>
9050-54	2	Wheel and Axle Assembly
7004	2	Truck Side
86-T51	1	Truck Frame Assembly
480-30	1	Truck Frame
CP-58	1	Truck Stud
<b>91-8606-T60</b>	<b>1</b>	<b>Coupler Truck Assembly</b>
8606-T50	1	Plain Truck
9234-90	1	Base Plate and Coupler Assembly (alternate No. 480-25)

# BOXCARS (Single Door)

1-9200 Tidewater Southern  
 1-9201 Lancaster and Chester 1-9202 Penn Central  
 1-9203 D & T Shoreline 1-9204 Milwaukee Road  
 1-9206 Seaboard 1-9209 Florida East Coast  
 1-9210 Soo Line 1-9211 Vermont Railway  
 1-9212 Pennsylvania 1-9214 Western Maryland

*(provided by Lionel Service)*

The following boxcars are made up of a series of common components,  
 however bodies and doors are listed for each particular boxcar.

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
10-9200-3	1	Body, Tidewater Southern
9704-12	2	Door, Tidewater Southern
10-9201-3	1	Body, Lancaster and Chester
10-9201-14	2	Door, Lancaster and Chester
10-9202-3	1	Body, Penn Central
9787-12	2	Door, Penn Central
10-9203-3	1	Body, Detroit and Toledo Shoreline
9706-12	2	Door, Detroit and Toledo Shoreline
10-9204-3	1	Body, Milwaukee Road
10-9204-14	2	Door, Milwaukee Road
10-9206-3	1	Body, Seaboard
9715-12	2	Door, Seaboard
10-9209-3	1	Body, Florida East Coast
9748-12	2	Door, Florida East Coast
10-9210-3	1	Body, Soo Line
9760-12	2	Door, Soo Line
10-9211-3	1	Body, Vermont Railway
10-9211-12	2	Door, Vermont Railway
10-9212-7	1	Body, Pennsylvania
9704-12	2	Door, Pennsylvania and Western Maryland
10-9214-3	1	Body, Western Maryland
9704-12	2	Door, Pennsylvania and Western Maryland
<b>Common Components</b>		
SE-53	2	Eyelet (used with die-cast sprung truck)
566-16	2	Rivet (used with plastic truck)
6464-9	1	Frame
8040-172	2	Screw (used with die-cast sprung truck)
9020-10	1	Brakewheel
9000-15	2	Door Guide
9700-25	1	Screw (body mounting)
9150-50	2	Operating Truck (plastic)
9550-50	2	Operating Truck (die-cast sprung)



# BOXCARS (Double Door)

## 1-9207 Canadian Pacific Rail

## 1-9208 Southern

## 1-9205 Great Northern

*(provided by Lionel Service)*

The following boxcars are made up of a series of common components,  
however bodies and doors are listed for each particular boxcar.

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
10-9207-3	1	Body, Canadian Pacific Rail
10-9207-12	2	Door (RH), Canadian Pacific Rail
10-9207-14	2	Door (LH), Canadian Pacific Rail
10-9208-3	1	Body, Southern
9456-12	1	Door (RH), Southern
9456-13	1	Door (LH), Southern
10-9205-3	1	Body, Great Northern
10-9205-12	1	Door (RH), Great Northern
10-9205-14	1	Door (LH), Great Northern
		<b>Common Components</b>
SE-53	2	Eyelet (used with die-cast sprung truck)
566-16	2	Rivet (used with plastic truck)
3656-153	12	Drive Stud
6464-9	1	Boxcar Frame
6468-5	4	Door Guide
8040-172	2	Screw (used with die-cast sprung truck)
9020-10	1	Brakewheel
9150-50	2	Operating Truck (plastic)
9550-50	2	Operating Truck (die-cast sprung)
9700-25	1	Screw (body mounting)

**REEFERS (Wood side)**  
**1-9502 Northwestern**  
**1-9503 Bangor and Aroostook**  
**1-9504 Northern Pacific**

*(provided by Lionel Service)*

<b>PART NUMBER</b>	<b>QUANTITY PER UNIT</b>	<b>DESCRIPTION</b>
10-9502-7	1	Body, Northwestern
5720-24	1	Roof and Ends, Northwestern
5720-14	2	Door, Northwestern
10-9502-10	2	Decal, Northwestern
10-9503-7	1	Body, Bangor and Aroostook
5737-24	1	Roof and Ends, Bangor and Aroostook
10-9503-14	2	Door, Bangor and Aroostook
10-9504-7	1	Body, Northern Pacific
5736-24	1	Roof and Ends, Northern Pacific
10-9504-14	1	Door, Northern Pacific
10-9504-10	2	Decal, Northern Pacific
		<b>Common Components</b>
566-16	2	Rivet
8040-T50	2	Screw (roof mounting)
8701-T70	2	Arch Bar Truck

# EXTENSION SEARCHLIGHT CAR 1-6615

*(provided by Lionel Service)*

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
52-14	1	Generator
61-22	1	Lamp Washer and Eyelet Assembly
363-300	1	Lamp
566-16	2	Truck Rivet
2145-91	1	Lamp Spring
2419-5	2	Step
3650-14	1	Spool Support
3650-15	2	Contact Spring
6520-11	1	Lens
6822-52	1	Searchlight Housing
8240-71	2	Screw
9020-10	2	Brakewheel
9233-9	2	Brake Stand
10-6615-7	1	Extension Car Body (includes magnet plate 3560-11)
10-6615-16	1	Spool Assembly — see below for breakdown
10-6615-22	1	Handle (crank)
10-6615-36	1	Lamp Base Assembly — see below for breakdown
10-6615-45	1	Magnet Retainer
10-6615-66	1	Cord Washer and Eyelet Assembly
9050-150	1	Pickup Assembly
9150-50	2	Operating Truck (plastic)
<b>10-6615-16</b>	<b>1</b>	<b>Spool Assembly</b>
717-51	1	Washer
3650-5	1	Spring
3650-7	2	Eyelet Axle
10-6615-15	1	Spool Half
10-6615-25	1	Spool Half with Gear
8040-172	2	Screw
<b>10-6615-36</b>	<b>1</b>	<b>Lamp Base Assembly</b>
SE-712	1	Eyelet
3520-9	1	Searchlight Bracket
3520-21	1	Bayonet Sleeve
3650-6	1	Spring Washer
10-6615-24	1	Magnet
10-6615-35	1	Lamp Base

# ROTARY RADAR ANTENNA 1-2749

(provided by Lionel Service)

PART NUMBER	QUANTITY PER UNIT	DESCRIPTION
45-58	2	Solder Lug
192-31	1	Motor Assembly
197-6	1	Dipole (radar)
197-7	1	Shaft / Drive
197-11	1	Cover
197-12	1	Driving Slug
197-16	2	Stud
197-23	4	Grommet
197-24	1	Radio Antenna
197-42	1	Rotating Radar Bracket
197-43	1	Rotating Radar Screen
395-30	2	Terminal Clip
2029-15	2	Sleeve
3520-16	1	Driving Washer
10-2702-38	1	Coil Retainer
10-2749-19	2	Control Tower Stairs
10-2749-20	1	Control Tower Ladder
10-2749-35	2	Control Tower Structure
10-2749-43	2	Control Tower Structure (stamped)
10-2749-55	1	Control Tower Platform
10-2749-65	1	Control Tower Base