

LIONEL SERVICE MANUAL

NOS. 2343P, 2344P & 2345P - POWERED DIESEL LOCOMOTIVES

<u>Part Number</u>	<u>Location</u>	<u>Unit Price</u>	<u>Min. Quan.</u>	<u>Description</u>
6TC-10	P-61	.75		Coupler & Coil Assem.
6TC-12	P-71	.05	12	Shoe Spring (Collector)
45-58	H-95	.02	25	Solder Lug (Relay)
45-73	A-61	.02	25	#4 Lockwasher (Revers. Unit)
61-22	A-61	.05	25	Lamp Contact
100-5	C-12	3.50		Reversing Unit
167-20	J-91	.05	10	Speednut (Window Shell)
480-20	P-71	.02	50	Shoe Rivet (Collector)
622-118	B-77	pr.10	6 pr	Brush Spring
622-121	B-77	pr.60	6 pr	Motor Brush
622-126	B-77	.02	25	Decal (G.M.) (for 2345 only)
622-145	F-56	.05	12	Collector Spring RH
622-146	F-56	.05	12	Collector Spring LH
671-112	C-57	.02	25	Collector Insulation
671M-20	C-75	.15	4	Rear Bearing
1041-55		.02	25	Solder Lug (Collector)
1445-300	LC	.30	10	Lamp
2020M-17	E-84	.15	4	Front Bearing (Motor)
2023-44	F-96	.05	12	Roller Pin
2023-115	M-31	.05	12	Collector Insulator
2245-41	L-62	.30		Coupler Head
2332-7	E-87	.20		Ornamental Horn
2333-11	F-81	.15	4	Headlight Lens
2333-12	F-91	.15	4	Wire Ventilator
2333-13	F-91	.10	6	Twin Type Speednut (Ventilator)
2333-15	F-91	.10	6	Ladder (Cab Door)
2333-16	F-91	.10	6	Grab Handle (Cab)
2333-23	F-47	.15	4	Rear Ladder (Frame)
2333-24	F-47	.25		Lamp Socket
2333-25	F-47	.40		Window Shell
2333-26	F-52	.05	12	Decal (Santa Fe)
2333-34	F-52	.05	12	Collector Insulator
2333-37	B-55	4.00		Frame Assem. (For 2343)
2333-39	F-52	.30		Collector Frame
2333-44	F-62	1.50		Dual Worm Shaft Assem.
2333-48	F-62	.40		Worm Shaft Gear
2333-51	F-62	.25		Truck Frame Cover Assem.

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<u>Part Number</u>	<u>Location</u>	<u>Unit Price</u>	<u>Min. Quan.</u>	<u>Description</u>
2333-53	F-72	.05	12	Pivot Stud (Truck)
2333-54	F-72	.02	25	Ball Bearing
2333-57	F-72	.15	4	Ladder RH
2333-58	F-72	.15	4	Ladder LH
2333-59	F-72	.60		Apron (Silver)
2333-60	F-72	2.00		Coupler & Drawbar Assem.
2333-62	F-82	.10	6	Shield (Truck)
2333-63	M-57	.05	12	Shield Screw
2333-64	F-82	.05	12	Drawbar Centering Spring
2333-65	F-82	.15	4	Worm Shaft Bearing
2333-68	F-82	.75		Truck Side (Silver)
2333-72	F-92	.05	12	Nameplate (Rear Truck)
2333-74	F-92	.10	6	Coupler Retaining Plate
2333-75	Sub. 2245-41			Dummy Coupler
2333-76	F-92	.05	12	Rivet (Coupler Plate)
2333-89	F-92	.05	12	Cable Clamp
2333-104	F-92	.05	12	Decal (G.M.)
2333-115	F-57	.10	6	Shoulder Rivet (Battery Plate)
2333-116	F-57	.10	6	Lock Screw (Battery Plate)
2333-120	F-53	.60		Relay Bracket
2333-121	F-53	3.00		Relay Complete
2333-123	F-53	.05	12	Relay Insulation
2333-129	Sub. 2367-34			Battery Swivel Plate
2333-168	Obsolete			Collector Arm Pin
2333M-1	Sub. 2343-100			Motor Complete
2333M-8	A-25	3.00		Armature
2333M-14	F-73	.25		Drive Gear
2333M-15	Obsolete			Idler Gear Assem.
2334-4	G-35	7.00		Cab Assem. "N. Y. Central"
2334-8	B-65	4.50		Frame Assem.
2334-10	F-83	.50		Truck Side (Gray)
2334-13	F-83	.60		Apron (Gray)
2334-15	F-93	.02	25	Decal (N. Y. Central)
2334-23	F-93	.05	12	Decal G.M. (For 2344 Only)
2343-8	F-87	.25		Marker Lens RH
2343-10	F-87	.25		Marker Lens LH
2343-19	L-14	6.50		Rear Truck (Magnet.)

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<u>Part Number</u>	<u>Location</u>	<u>Unit Price</u>	<u>Min. Quan.</u>	<u>Description</u>
2343-21	B-41	9.50		Front Truck (Magnet.)
2343-33	L-17	.30		Drive Wheel
2343-37	F-77	.75		Worm Gear
2343-40	Q-68	2.00		Collector Assem.
2343-55	L-33	2.50		Horn Complete
2343-78	Sub. 2353-29			Axle (Magnet.)
2343-79	F-87	.10	6	Axle Bushing
2343-80	F-77	.25		3-Conductor Cable
2343-94	A-51	.40		Collector Arm W/Roller
2343-95	A-21	.20		Collector Roller
2343-100	I-15	7.50		Motor Complete
2343-119	A-55	1.50		Brushplate
2343-122	F-87	.05	12	Slotted Nut (Brushplate)
2343-133	Sub. 2353-11			Side Window
2344-8	F-76	.25		Marker Lens RH
2344-10	F-76	.25		Marker Lens LH
2344-21	D-26	9.50		Front Truck (Magnet.)(for 2344 only)
2344-26	L-16	4.00		Rear Truck (Magnet.)(for 2344 only)
2345-4	Sub. 2355-4			Cab "Western Pacific"
2345-11	G-106	.05		Decal (Western Pacific)
2353-4	Sub. 2383-2			Cab Assem. "Santa Fe" (for 2343)
2367-34	O-66	.35		Battery Swivel Plate
2383-2	F-44	7.00		Cab Assem. "Western Pacific"
2409-19	L-91	.05	12	Shoulder Washer (Relay)
R-91	N-55	.05	12	Lamp Spring
TC-21	P-71	.15	4	Coupler Knuckle
TC-22	P-93	.02	25	Knuckle Spring
TC-23	P-61	.02	25	Knuckle Rivet
TC-109	P-63	.02	25	Shoe Plate (Collector)
TC-112	P-63	.02	25	Plunger Spring
TC-113	P-73	.10	6	Coupler Plunger
TT-208	P-93	.15	4	Shoe (Collector)
W-10	O-72	.05	12	Cable Clamp Lug
WS-69	G-62	.02	25	#6 Lockwasher (Relay)
4 x 3/8"		.02	25	FHST "Z" Cab Screw (Front)
4-36 x 1/4"		.02	25	RH Horn Mtg. Screw
4-40 x 1/8"		.02	25	RH Nameplate Screw
4-40 x 1/4"		.02	25	BH Truck Cover Screw

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LIONEL SERVICE MANUAL

NOS. 2343P. 2344P & 2345P - POWERED DIESEL LOCOMOTIVES

<u>Part Number</u>	<u>Location</u>	<u>Unit Price</u>	<u>Min. Quan.</u>	<u>Description</u>
4-40 x 1/4"		.02	25	RH Revers. Unit Screw
4-40 x 5/16"		.02	25	FH Apron Screw
4-40 x 3/8"		.02	25	RH Collector Screw
6 x 1/2"		.02	25	FHST "Z" Cab Screw (Rear)
6-32 x 3/16"		.02	25	RH Cable Clamp Screw
6-32 x 1/4"		.02	25	Fil. H. Relay Screw
6-32 x 5/16		.02	25	BH Ladder Screw
6-32 x 5/16"		.02	25	RH Relay Bracket Screw
6-32 x 1"		.02	25	Fil. H. Motor Mtg. Screw

LIONEL SERVICE MANUAL

NOS. 2343C & 2344C - DUMMY "B" UNIT DIESELS (1954 MODEL)

<u>Part Number</u>	<u>Location</u>	<u>Unit Price</u>	<u>Min. Quan.</u>	<u>Description</u>
480-18	G-52	.03	50	Retaining Washer
671-25	P-107	.10	6	Axle
671M-23	C-75	.02	25	Washer (Truck)
2245-41	L-62	.30		Coupler Head
2333-32	B-43	.30		Wheel
2333-57	F-72	.15	4	Ladder RH
2333-58	F-52	.15	4	Ladder LH
2333-68	F-82	.75		Truck Side (Silver)
2333-72	F-92	.05	12	Nameplate
2333-74	F-92	.10	6	Coupler Retaining Plate
2333-75	Sub. 2245-41			Dummy Coupler
2333-76	F-92	.05	12	Rivet (Coupler Plate
2334-10	F-83	.50		Truck Side (Gray)
2343-57	D-63	1.25		Outer Plastic Frame (Silver)
2343-65	F-87	.05	12	Rivet (Ladder)
2343-66	F-87	.05	12	Rivet (Frame)
2343-67	F-87	.10	6	Rear Ladder
2343-69	F-87	.05	12	Decal (Indian Head)
2343-82	F-26	4.50		Rear Truck (for 2343C only)
2343-87	F-26	4.00		Front Truck (for 2343C only)
2343-178	M-35	5.00		Cab Assem. "Santa Fe"
2343-179	M-55	.75		Inner Metal Frame
2343-180	D-54	2.50		Frame Assem. (for 2343C only)
2343-186	M-65	.02	25	Cab Mtg. Screw (for 2343C only)
2344-25	L-11	4.00		Front Truck (for 2344C only)
2344-26	L-16	4.00		Rear Truck (for 2344C only)
2344-50	B-36	5.00		Cab Assem. "N.Y. Central"
2344-57	M-13	1.25		Outer Plastic Frame (Gray)
2344-72	D-25	3.50		Frame Assem. (for 2344C only)
2344-74		.02	25	Cab Mtg. Screw (for 2344C only)
2353-11		.02	25	RH Nameplate Screw
4-40 x 1/8"		.02	25	BH Ladder Screw

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1955 MODEL
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<u>Part Number</u>	<u>Location</u>	<u>Unit Price</u>	<u>Min. Quan.</u>	<u>Description</u>
480-18	G-52	.02	50	Retaining Washer
2245-41	L-62	.30		Dummy Coupler
671-25	B-107	.10	6	Axle
2333-12	F-91	.15	4	Wire Cloth Ventilator
2333-13	F-91	.10	6	Twin Type Speednut
2333-32	B-43	.30		Wheel
2333-57	F-72	.15	4	Ladder RH
2333-58	F-72	.15	4	Ladder LH
2333-68	F-82	.75		Truck Side (Silver)
2333-72	F-92	.05	12	Nameplate
2333-74	F-92	.10	6	Coupler Retaining Plate
2333-75	Sub. 2245-41			Dummy Coupler
2333-76	F-92	.05	12	Rivet (Coupler)
2334-10	F-83	.50		Truck Side (Gray)
2343-50	G-43	5.00		Cab Assem. "Santa Fe"
2343-56	D-62	2.50		Frame Assem. (for 2343C only)
2343-57	D-63	1.25		Outer Plastic Frame (Silver)
2343-65	F-87	.02	25	Rivet (Rear Ladder)
2343-66	F-87	.05	12	Rivet (Frame)
2343-67	F-87	.10	6	Rear Ladder
2343-68	D-64	.75		Inner Metal Frame
2343-69	F-87	.05	12	Decal (Indian Head)
2343-82	F-26	4.50		Rear Truck (for 2343C only)
2343-87	F-26	4.00		Front Truck (for 2343C only)
2343-133	Sub. 2353-11			Side Window
2344-25	L-11	4.00		Front Truck (for 2344C only)
2344-26	L-16	4.00		Rear Truck (for 2344C only)
2344-50	B-36	5.00		Cab Assem. "N. Y. Central"
2344-56	M-12	.25		Frame Assem. (for 2344C only)
2344-57	M-13	1.25		Outer Plastic Frame (Gray)
2353-11	N-62	.05	12	Side Window
4-40 x 1/8"		.02	25	RH Nameplate Screw
6 x 1/2"		.02	25	FHST "Z" Cab Mtg. Screw
6-32 x 5/16"		.02	25	BH Ladder Screw

NOTE: Although Both The Front & Rear Trucks Appear To Be Alike, The Constructional Features Are Different. The Truck With The Nameplate Is The Front Truck.

LIONEL SERVICE MANUAL

NOS. 2343T - 2344T & 2345T - DUMMY "A" UNIT DIESEL LOCOMOTIVES

<u>Part Number</u>	<u>Location</u>	<u>Unit Price</u>	<u>Min. Quan.</u>	<u>Description</u>
6TC-10	P-61	.75		Coupler & Coil Assem.
6TC-12	P-71	.05	12	Shoe Spring (Collector)
61-22	A-61	.05	25	Lamp Contact
167-20	J-91	.05	10	Speednut (Window Shell)
480-18	G-52	.03	50	Retaining Washer
480-20	P-72	.02	50	Shoe Rivet (Collector)
622-126	B-77	.02	25	Decal (GM) (for 2345)
622-145	F-56	.05	12	Collector Spring RH
622-146	F-56	.02	12	Collector Spring LH
671-25	B-107	.10	6	Axle (Plain)
671-112	C-57	.02	25	Collector Insulating Washer
1041-55		.02	25	Solder Lug (Collector)
1445-300	LC	.30	10	Lamp
2023-44	F-96	.05	12	Roller Pin
2023-115	M-31	.05	12	Collector Insulator
2245-41	L-62	.30		Coupler Head
2332-7	E-87	.20		Ornamental Horn
2333-11	F-81	.15	4	Headlight Lens
2333-12	F-91	.15	4	Wire Ventilator
2333-13	F-91	.10	6	Twin Type Speed Nut (Ventilator)
2333-15	F-91	.10	6	Ladder (Cab Door)
2333-16	F-91	.10	6	Grab Handle (Cab)
2333-23	F-47	.15	4	Rear Ladder
2333-24	F-47	.25		Lamp Socket
2333-25	F-47	.40		Window Shell
2333-26	F-52	.05	12	Decal (Santa Fe)
2333-28	F-52	.10	6	Axle Bushing
2333-32	F-43	.30		Drive Wheel
2333-34	F-52	.05	12	Collector Insulator
2333-39	F-52	.30		Collector Frame
2333-42	F-52	.05	12	Insulating Washer (Collector)
2333-51	F-62	.25		Truck Frame Cover Assem.
2333-53	F-72	.05	12	Pivot Stud (Truck)
2333-57	F-72	.15	4	Ladder RH
2333-58	F-72	.15	4	Ladder LH
2333-59	F-72	.60		Apron (Silver)
2333-60	F-72	2.00		Coupler & Drawbar Assem.
2333-62	F-82	.10	6	Shield (Truck)
2333-63	M-57	.05	12	Shield Screw
2333-64	F-82	.05	12	Drawbar Centering Spring
2333-68	F-82	.75		Truck Side (Silver)
2333-72	F-92	.05	12	Nameplate
2333-73	D-63	3.00		Frame Assem. (for 2343 & 2345)

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Part Number	Location	Unit Price	Min. Quan.	Description
2333-74	F-92	.10	6	Coupler Retaining Plate
2333-75	Sub. 2245-41			Dummy Coupler (Rear Truck)
2333-76	F-92	.05	12	Rivet (Coupler Plate)
2333-104	F-92	pr .05	12	Decal (GM) (for 2343)
2333-152	Sub. 2343-82			Rear Truck (for 2343 & 2345)
2333-154	B-25	7.00		Front Truck (for 2343 & 2345)
2333-168	Obsolete			Collector Arm Pin
2334-4	G-35	7.00		Cab Assem. (for 2344)
2334-10	F-83	.50		Truck Side (Gray)
2334-11	B-65	3.00		Frame Assem. (for 2344)
2334-13	F-83	.60		Apron (Gray)
2334-15	F-93	.02	25	Decal (N. Y. C.)
2334-20	B-25	4.00		Rear Truck
2334-22	B-35	7.00		Front Truck (for 2344)
2334-23	F-93	pr .05	12	Decal (GM) (for 2344)
2343-8	F-87	.25		Marker Lens RH
2343-10	F-87	.25		Marker Lens LH
2343-40	Q-68	2.00		Collector Assem.
2343-82	F-26	4.50		Rear Truck
2343-94	A-51	.40		Collector Arm W/Roller
2343-95	A-21	.20		Collector Roller
2343-133	Sub. 2353-11			Side Window
2345-4	Sub. 2355-4			Cab Assem. "Western Pacific"
2345-8	G-106	.25		Marker Lens RH
2345-10	G-106	.25		Marker Lens LH
2345-11	G-106	.05		Decal (Western Pacific)
2353-4	Sub. 2383-2			Cab Assem. "Santa Fe" (for 2343T)
2353-11	N-62	.05	12	Window
2355-4	F-44	7.00		Cab Assem. "Western Pacific"
2383-2	F-44	7.00		Cab Assem. "Santa Fe"
R-91	N-55	.05	12	Lamp Spring
TC-21	P-71	.15	4	Coupler Knuckle
TC-22	P-93	.02	25	Knuckle Spring
TC-23	P-61	.02	25	Knuckle Rivet
TC-109	P-63	.02	25	Shoe Plate (Collector)
TC-112	P-63	.02	25	Plunger Spring
TC-113	P-73	.10	6	Plunger (Coupler)
TT-208	P-93	.10	6	Collector Shoe
4 x 3/8"		.02	25	FHST "Z" Cab Screw (Front)
4-40 x 1/8"		.02	25	RH Nameplate Screw
4-40 x 1/4"		.02	25	BH Truck Cover Screw
4-40 x 5/16"		.02	25	FH Apron Screw
4-40 x 3/8"		.02	25	RH Collector Screw
6 x 1/2"		.02	25	FHST "Z" Cab Screw (Rear)
6-32 x 5/16"		.02	25	BH Ladder Screw