

SERVICE MANUAL

NO. 400 AND 404 RAIL DIESEL CARS

Lionel No. 400 and No. 404 Rail Diesel Cars are modeled on the RDC's made by the Budd Manufacturing Company and used by many railroads for fast commuter service. Fast, clean and light these cars are self-powered and may be used either singly or combined into short trains depending on the needs of service.

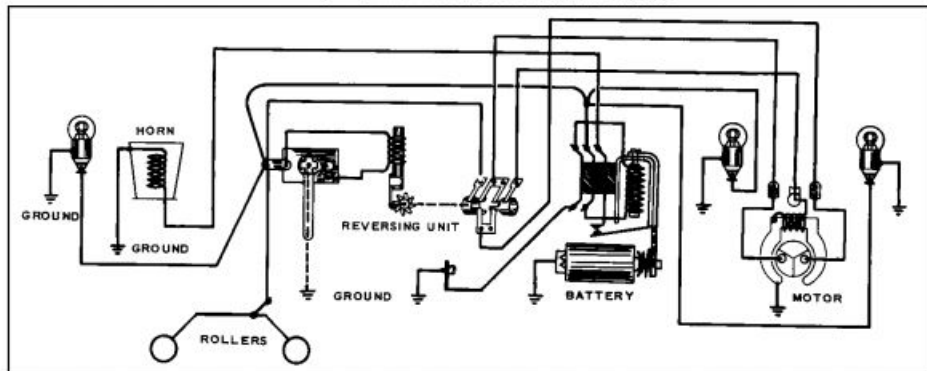
No. 400, first made in 1956, simulates Budd RDC-1, which carries 90 passengers. No. 404, made in 1957, is a model of the RDC-4 baggage-express and mail car. Non-powered passenger trail car, No. 2559,

made the same year, is similar to Budd RDC-9. No. 2550 is a non-powered version of the 404.

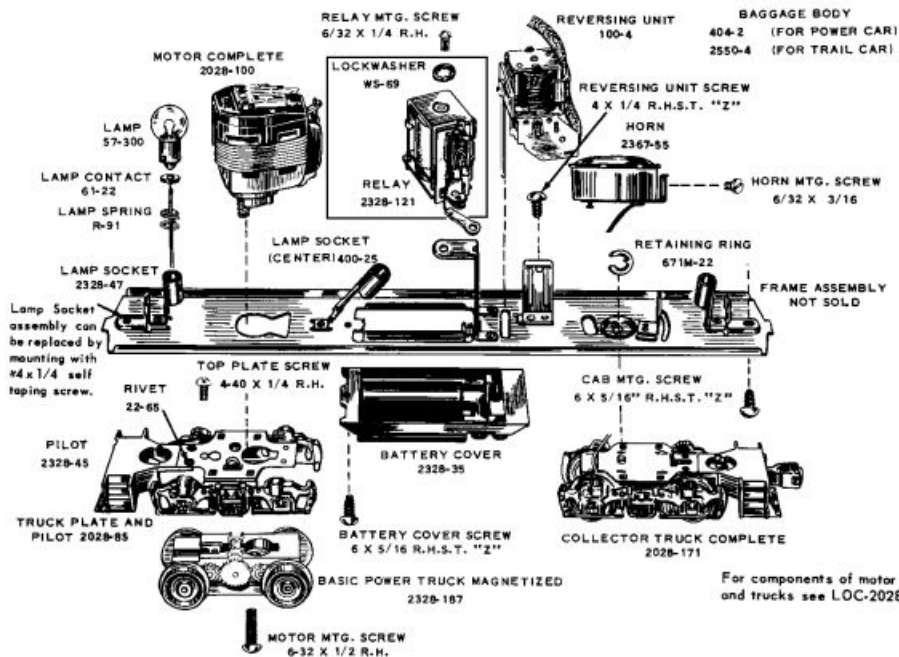
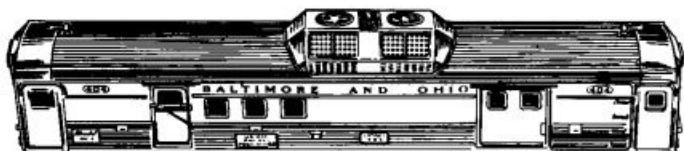
Except for the bodies, frames and a third lamp used to illuminate the car windows, Nos. 400 and 404 are identical mechanically and electrically with the GP-7 locomotives described in Section LOC-2328.

With the exception of the stamped numbers the body of No. 2559 is identical with that of No. 404 while the body of No. 2550 is identical with No. 400. The non-powered collector trucks used on all cars are identical.

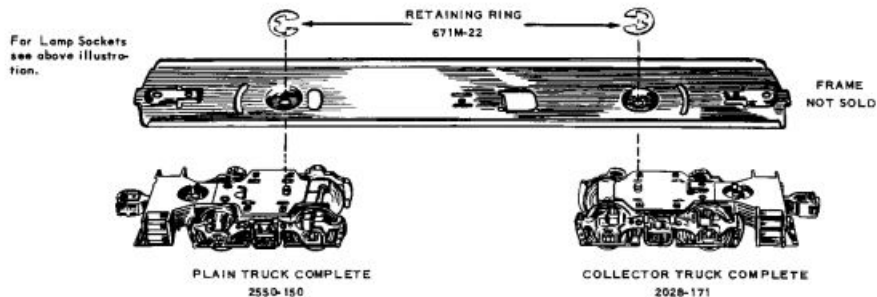
Wiring Diagram of Locomotives NOS. 400 and 404

ORNAMENTAL HORN
50-100LENS PIECE
400-10WINDOW STRIP
2550-6 (FOR 404 & 2550)
400-6 (FOR 400 & 2559)

SERVICE MANUAL



UNDER-CARRIAGE FOR TRAIL CARS



SERVICE MANUAL

NO. 400 - RDC PASSENGER DIESEL

&

NO. 404 - RDC BAGGAGE - MAIL DIESEL

Part Number	Location	Unit Price	Min. Quan.	Description
22-65	J-64	.02	15	Pilot Rivet
50-100	J-80	.10	6	Ornamental Horn
57-300	LC	.20	10	Lamp
61-22	A-61	.05	25	Lamp Contact
100-4	I-31	3.50		Reversing Unit
400-2	J-35	6.00		Cab Assem. (400)
400-6	J-65	.30		Window Strip (400)
400-9	J-65	.10	6	Reflector
400-10	J-65	.30		Lens & Window Piece
400-11	J-65	.10	6	Mtg. Bracket
400-12	J-65	.02	25	Rivet (Mtg. Bracket)
400-22	J-16	1.00		Frame
400-25	J-65	.10	6	Lamp Socket (Center)
400-27	J-65	.05	12	Horn Bracket
400-35	J-65	.15	4	Nameplate (400)
404-2	G-26	6.00		Cab Assem. (404)
480-8	P-62	.15	4	Knuckle
480-16	P-62	.02	50	Knuckle Spring
530-40	I-40	.02	25	Rivet (Reversing Unit Bracket)
622-52	B-72	.10	4	Reversing Unit Bracket
622-121	B-77	pr .60	6 pr	Brush
622-191	B-74	pr .10	6 pr	Brush Spring
671-253	C-57	.10	6	Axle
671M-22	C-75	.05	12	Retaining Washer
671M-23	C-75	.02	25	Thrust Washer (Motor & Truck)
681-121	F-94	.25		Thrust Bearing
2020M-9	E-84	.02	25	Solder Lug
2028-70	J-24	9.50		Motor Truck Complete (Mag.)
2028-71	Sub. 2328-88			Truck Side
2028-85	F-31	2.00		Truck Top Plate Assem.
2028-100	F-24	6.50		Motor Complete
2028-109	A-41	3.50		Armature
2028-171	J-34	6.50		Collector Truck Complete
2321-86	O-61	.50		Coupler Head Assem.
2321-113	O-24	1.50		Brushplate
2321-135	O-61	.05	12	Collector Spring
2321-156	O-61	.25		Coupler Armature Assem.
2321-162	O-61	.05	12	Coupler Centering Spring
2321-164	O-71	.15	12	Coupler Centering Plunger
2328-35	B-38	.40		Battery Cover

- continued -

SERVICE MANUAL

<u>Part Number</u>	<u>Location</u>	<u>Unit Price</u>	<u>Min. Quan.</u>	<u>Description</u>
2328-37	K-57	.25		Relay Bracket
2328-39	K-97	.05	12	Insulation (Relay)
2328-47	K-97	.25		Lamp Socket Bracket (Front & Rear)
2328-65	F-11	.60		Pilot
2328-78	K-57	1.00		Gear & Shaft Assem.
2328-80	K-77	.15	4	Nylon Bushing
2328-88	K-57	.60		Truck Side
2328-92	K-77	.40		Collector Arm & Roller
2328-95	F-81	.15	12	Roller
2328-96	F-81	.05	12	Roller Pin
2328-121	K-87	3.00		Relay
2328-159	K-77	.15		Axle Bearing
2328-170	K-77	.05	12	Collector Insulation
2328-173	K-77	1.50		Collector Assem.
2333-32	B-43	.30		Wheel
2367-55	O-42	2.50		Horn
2367-99	Sub, 2367-198			Collector Arm Rivet
2367-198	O-66	.02	25	Collector Arm Rivet
2550-6	N-97	.30		Window Strip (404)
2550-35	N-97	.15	4	Nameplate (404)
3361-32	O-66	.02	25	Insulated Rivet (Relay)
R-91	N-55	.05	12	Lamp Spring
TC-23	P-61	.02	25	Knuckle Rivet
WS-69	G-62	.02	25	#6 Lockwasher
4 x 1/4"		.02	25	RHST "Z" Revers. Unit Screw
4-40 x 3/16"		.02	25	RH Brushplate Screw
4-40 x 1/4"		.02	25	RH Truck Plate Screw
6 x 5/16"		.02	25	RHST "Z" Cab Screw
6 x 5/16"		.02	25	RHST "Z" Collector Screw
6-32 x 3/16"		.02	25	BH Horn Screw
6-32 x 1/4"	Q-62	.02	25	RH Relay Bracket
6-32 x 1/2"	Q-62	.02	25	RH Motor Mtg. Screw

