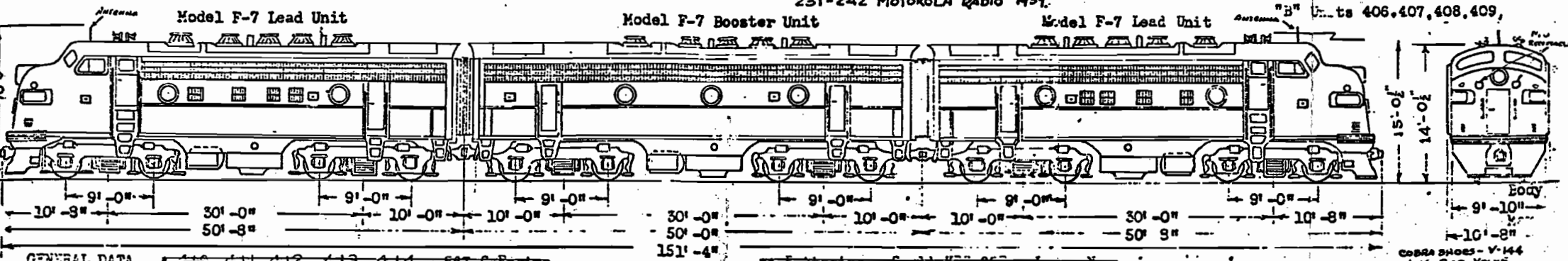


Electro Motive Division, General Motors  
 Built December 1952, Builder's Nos. 17539-17554

3000 and 4500 H.P. Diesel Electric Freight Locomotives  
 231-242 MOTOROLA RADIO 4751  
 "A" Units 231-242  
 "B" Units 406,407,408,409



GENERAL DATA		TRACTIVE POWER - One Unit		TRACTIVE POWER - Two Units		TRACTIVE POWER - Three Units		BRAKE EQUIPMENT Flat Maintaining and Emergency Brake V.	
1. Weight - Working Order - Per Unit	246,000 lbs.	29. Starting	61,500 lbs.	123,000 lbs.	184,500 lbs.	55. Dynamic Brake - 700 Amps, Maximum	E.M.D.		
2. Horse Power - Per Unit	1500	30. 10 M.P.H.	45,000 lbs.	90,000 lbs.	135,000 lbs.	54. Dynamic Braking Power	112,500 lbs. @ 19 MPH 3 Units		
3. Ratio of Gears	62-15	31. 15 M.P.H.	30,000 lbs.	60,000 lbs.	90,000 lbs.	55. Air Brake Schedule	Westinghouse 24 RL		
4. Maximum Speed (Over Speed Setting)	65 M.P.H.	32. 20 M.P.H.	23,000 lbs.	46,000 lbs.	69,000 lbs.	56. Air Brake Power	87,000 lbs. @ 30 lbs. Cyl. Pressure		
ENGINE		33. 25 M.P.H.	19,000 lbs.	38,000 lbs.	57,000 lbs.	57. Air Compressor	Gardner-Denver X70		
5. Type	Two Cycle Vee Type - No. 567B General Motors	34. 30 M.P.H.	16,000 lbs.	32,000 lbs.	48,000 lbs.	58. Air Compressor Capacity	225 C.F.M. @ 80 R.P.M.		
6. Cylinders-Fore and Stroke-Per Unit	18 - 8 1/2" x 10"	35. 35 M.P.H.	14,000 lbs.	28,000 lbs.	42,000 lbs.	59. Air Reservoir Capy. "A" 50,000 cu.in. "B" 25,000 cu.in.			
7. Speed - Idling 275 R.P.M. At Rated H.P. - 800 R.P.M.		36. 40 M.P.H.	12,000 lbs.	24,000 lbs.	36,000 lbs.	60. Relay Air Valve	Westinghouse RA 24-E		
8. Blower (Scavenger) - Per Unit	2 E.M.D. Low Pressure	37. (Cont. 44500 lbs. @ 12 M.P.H.) - Per Unit 52,400 lbs. @ 9.0 M.P.H.		CAPACITY - Per Unit		61. Feed Valve	Westinghouse D-245		
9. Governor	Woodward PG Electro Hydraulic	38. Fuel Oil		1200 Gals.		62. Rotaire Valve	Westinghouse K2-A		
ELECTRICAL - Per Unit		39. Lubricating Oil		200 Gals.		63. Deadman Control-Foot Pedal-Breakintwo Protection w/ax			
10. 1 - EMD Main Generator-Model D12,600V,2200 Amp,Cont,DC		40. Cooling Water - "A" Units 230 Gals. "B" Units 215 Gals.				64. Hand Brake	Pea No. 1030-NS		
11. 1 - EMD Aux. Generator-Model A-7159-74 Volts, 10 KW DC		41. Sand		16 cu.ft.		TRUCKS			
12. 1 - EMD Alternator-Model D14,100 KW,165 Volts, 3 Phase		MISCELLANEOUS			42. Sanders - Prime "One Line" Duplex	2 Traps Per Unit	65. Type	E.M.D. Type Cast Steel, Heat Treated	
13. 4 - EMD Traction Motors Model D-27E, 825 Amps,Cont,DC		43. Whistles		2 - Nathan M5 "A" Units		66. Axles-Heat Trt. 6 1/2"x12" Journals for Hyatt Roller Ergs.			
14. 4 - EMD Traction Motor Blowers SP,149V,SHP,AC,5100 RPM		44. Bell Ringer		Prime		67. Wheels	40" Dia. Rolled Steel		
15. 1 - Dyn. Blk Blower A-8103-48 125 V DC, 18 HP, 1300 RPM		45. Window Wiper		Hayes "Jumbo" Pneumatic		68. Brake Cylinders - Per Unit	8 - 9" x 6"		
16. 1 - Fuel Pump Motor 1/4 HP, 74 Volts, DC, 1100 RPM		46. End Ladders - Back of "A" Units, Both Ends "B" Units				69. Side Bearings	Plain Steel - Hardened		
17. 4 - Water Temp. Cool. Fan Motors SP,149V,9 HP, 1550 RPM		47. Air Filters - Engine Oil Both Air Mace, Body 16 - 2"		Farr		LIFTING DIMENSIONS			
18. Control Equip.-Multiple Control 64V, Electro - Pneumatic		48. Speed Recorder		Barco - 0-60 M.P.H.		70. Maximum Length Coupled	2 - "A" Units and a "B" Unit	151'-4"	
19. Multiple Control Cable Length 43", 27 Wires		49. Fire Extinguishers		"A" Unit - 2 3/4" Ansul in Cab, 2-50# Ansul in Eng. Room		71. Maximum Width	2 - "A" Units	101'-4"	
20. Batteries ** 32 Cells, 64 Volt, Exide MV25D		50. Uncoupling Rigging		"B" Unit - 2-50# Ansul in Engine Room		72. Maximum Height	1 - "A" Unit and a "B" Unit	100'-3"	
21. Lighting Circuit 74 Volts						73. Maximum degree of Curvature		21 Degrees	
22. Headlights-F "A" Units Pyle-Nat. Twin-Sealed Beam 200W, 3DV									
23. Back of "A" Units, F & "B" Units, Pyle-Nat. Sing. Beam 200W, 3DV									
24. Headlight Switch E.M.D.									
25. Front 3-point Dimming 400W, 200W, 100-Watts									

Mfrs. A-121X