



Bulletin: SBS4DCC 2 Alco 539T

Manufacturer ESU
Project number 74411
Project version R2



The Alco 539 engine was developed in response to the perceived drawback that Alco's line of diesel switchers had a restricted field of vision because of the high hood. Both Baldwin and EMC were offering diesel switchers with a lower engine hood that the trainmen could see over.

The 539T was equipped with the Buchi turbocharger, being made under license by the Elliott Manufacturing Company of Jeannette, Pennsylvania. The first 539T engines were used in S-2 switchers and DL-105 passenger locomotives built in September 1940. Alco locomotives using this engine include the S-2, S-4, RS-1, RSC-1, RSD-1, DL-105, DL-107, DL-108, DL-109, and DL-110. MLW locomotives using this engine include the S-2, S-4, S-7, S-12, RS-1, and RSC-13.

Key	Function	Sound slots	Volume CVs	Volume values
F0	F0F Lower Headlight (Non-Directional)			
F1	Bell	4	283	99
F2	Playable Airhorn	18, 20	395, 411	128, 128
F3	Diesel Manual Notching (Up)			
F4	AUX1 Upper Headlight (Non-Directional)			
F5	AUX1 Upper Headlight (MARS)			
F6	Dynamic Brake	6	299	70
F7	Alco 6 Cyl 539T #1	1	259	128
F8	Alco 6 Cyl 539T #2	2	267	128
F9	Diesel Manual Notching (Down)			
F10	Dimmer (Headlights)			
F11	Sanding Valve	13	355	128
F12	Switching Mode			
F13	Brake Set / Brake Release			
F14	F0R Upper Headlight (Non-Directional)			
F15	F0R Upper Headlight (MARS)			
F16	Coupler Clank	5	291	128
F17	Crossing Communication	10	331	128
F18	Detector Sound	9	323	128
F19	Short Air Let Off	14	363	128
F20	Compressor	7	307	50
F21	Spitter Valve Sound	8	315	128
F22	ALCO-251 Brake squeal #1	21	419	128

F23	AUX4 Headlight Upper White MARS Auto			
F24	Spitter Valve	15	371	128
F25	Rail Clank	11	339	128
F26	AUX3: Rotary Beacon			
F27	AUX4: Number Boards			
F28	Not in use			