

Bachmann HO SD40-2 EMD 645 Turbo Sound Value™ Equipped



Airhorn Selections:

Leslie S3L (default)	0
Nathan P3	1
Nathan K5LA	2

Prime Mover: EMD 645 Turbo

Configuration Variable Defaults

CV #	Description	Default Value	CV #	Description	Default Value
1	Primary Address	3	112	Sound Configuration 1	0
2	V Start	0	114	Bell Ring Rate	6
3	Baseline Acceleration Rate	6	115	Whistle Selection	0
4	Baseline Braking Rate	5	116	Engine Exhaust Control	39
5	V Max	0	118	Max. Engine Recovery Speed	204
6	V Mid	0	128	Master Volume Control	192
7	Manufacturer Version ID	82	129	Horn Volume Control	225
8	Manufacturer ID	141	130	Bell Volume Control	64
10	BEMF Cutout	0	131	Exhaust Volume Control	196
11	Packet Time-Out Value	0	133	Dynamic Brakes Volume Control	196
12	Alternate Power Source	1	193	Automatic Bell ON Set Point	5
13	Analog Mode Function (F1-F8)	0	194	Automatic Bell OFF Set Point	10
14	Analog Mode Function (F0, F9-F12)	3	195	Grade-Crossing Whistle Sensitivity	4
15	CV Unlock Code	0	196	Brake Squeal Sensitivity	3
16	CV Lock Code	0	197	Analog Mode Auto. Sound Config.	7
19	Consist Address #1	0	198	DCC Mode Auto. Sound Config.	0
21	Consist Function Active (F1-F8)	0	209	PID Kp Coefficient	80
22	Consist FL Function Active (F0, F9-F12)	0	210	PID Ki Coefficient	8
23	Consist Acceleration Rate	0	212	Motor Control Intensity	255
24	Consist Braking Rate	0	213	Motor Control Sample Period	8
25	Speed Table Selection	16	214	Motor Control Sample Window Size	8
29	Configuration Register 1	22	216	Motor Control Reference Voltage	140
30	Error Information	0	217	Motor Control Register	2
33	FL(f) Output Location	3	218	Analog Mode Engine Sound Start	15
34	FL(r) Output Location	3			
35	F1 Output Location	8			
36	F2 Output Location	4			
37	F3 Output Location	16			
38	F4 Output Location	8			
39	F5 Output Location	0			
40	F6 Output Location	0			
41	F7 Output Location	16			
42	F8 Output Location	32			
43	F9 Output Location	0			
44	F10 Output Location	0			
45	F11 Output Location	0			
46	F12 Output Location	0			
49	Hyperlight Effects- Headlight	142			
50	Hyperlight Effects- Backlight	141			
59	Hyperlight Flash Rate	4			
60	Grade-Crossing Hold Time	4			
63	Analog Mode Motor Start Voltage	15			
64	Analog Mode Max. Motor Voltage	180			
66	Forward Trim	128			
67-94	Speed Table	Varies			
95	Reverse Trim	128			
105	User Identifier #1	4			
106	User Identifier #2	38			

Function Assignments

F0	Front/ Rear Lights
F1	Bell
F2	Airhorn
F3	Short Airhorn
F4	Dynamic Brakes
F7	Dimmer
F8	Mute