

# HO Walthers Proto 2000 GP20 CB&Q

**Horn selections:** Leslie S3L (Default) 00  
 Leslie A200 01  
 Leslie A200 & S2M 02

**Diesel Prime Mover:** EMD 567 Turbo



## Configuration Variable Defaults

CV #	Description	Default value	CV #	Description	Default value
1	Primary address Control	03	105	User Identifier #1	---
2	V Start	00	106	User Identifier #2	---
3	Baseline Acceleration Rate	00	112	Sound Configuration	03
4	Baseline Braking Rate	00	113	Quiet Mode Timeout Period	00
7	Manufacturer Version ID	Read Only	114	Bell Ring Rate	03
8	Manufacturer ID	141	115	Horn Selection	00
10	BEMF Cutout	00	116	Engine Exhaust Control	39
11	Packet time Out Value	00	119	Effect Processor Select	00
12	Alternate Power Source	01	128	Master Volume	192
13	Analog Mode Functions	32	129	Horn Volume	255
14	Analog Function enable 1	03	130	Bell Volume	128
15	CV Unlock Code	00	131	Exhaust Volume	180
16	CV Lock Code	00	132	Air Compressor Volume	100
17	Extended Address	192	133	Dynamic Brake Volume	120
18	Extended Address	03	134	Fan Volume	140
19	Consist Address	00	137	Coupler Volume	128
21	Consist Function Group	00	139	Brake Squeal Volume	128
22	Consist Function Group 2	00	140	Brake Release Volume	64
23	Consist Acceleration Rate	00	143	Pop Valve/ Safety Valve Volume	80
24	Consist Braking Rate	00	153	7 Band Equalizer	07
25	Speed Table Register	00	154	62 Hz Cut/ Boost	00
29	Configuration Register 1	06	155	125 Hz Cut/ Boost	128
30	Alternate Mode Selection	00	156	200 Hz Cut/Boost	150
33	FL (f) Output Location	01	157	500 HZ Cut/Boost	150
34	FL (r) Output Location	02	158	1K Hz Cut/Boost	170
35	F1 Output Location	08	159	2K Hz Cut/Boost	170
36	F2 Output Location	04	160	4KHz Cut/ Boost	128
37	F3 Output Location	16	161	Reverb Control	00
38	F4 Output Location	08	162	Reverb Output Level	128
39	F5 Output Location	02	163	Reverb Delay	255
40	F6 Output Location	04	164	Reverb Gain	64
41	F7 Output Location	16	169	Horn Reverb	00
42	F8 Output Location	32	170	Bell Reverb	00
43	F9 Output Location	128	171	Steam Exhaust Reverb	00
44	F10 Output Location	128	172	Air Compressor Reverb	00
45	F11 Output Location	00	193	Automatic Bell-on Set Point	10
46	F12 Output Location	00	194	Automatic Bell -off Set Point	40
47	Analog Horn Control	00	195	Grade Crossing Sensitivity	04
49	Hyperlight Effects F0(f)	143	196	Brake Squeal Sensitivity	03
50	Hyperlight Effects F0(r)	143	197	Analog Mode Sound Config.	06
51	Hyperlight Effects F0A	131	198	DCC Mode Auto Sound Config	00
52	Hyperlight Effects FX5	00	209	Kp Coefficient	30
53	Hyperlight Effects F0B	131	210	Ki Coefficient	25
54	Hyperlight Effects FX6	131	212	Motor Control Intensity	255
57	FX Directional Control	255	213	Motor Control Sample Period	24
58	FX Override Enable	00	214	Motor Control Aperture Time	07
59	Flash Rate	04	218	Analog Mode Chuff Rate	20
60	Crossing Hold Time	04			
61	F11 Braking Rate	00			
62	Transponding Control	00			
63	Analog Mode Motor Start Volt.	25			
64	Analog Mode Max Volt.	180			
66	Forward Trim	128			
67-94	Speed Table	Varies			
95	Reverse Trim	128			