Bachmann Spectrum On30 50-Ton Center Cab Whitcomb (DCC-Equipped)

Horn Selections:

Wabco E2 (Default)	0
Wabco A2	1
Leslie A125	2
RGS Goose No. 5	3
Nathan M3	4

Prime Mover: Dual Whitcomb

Please note the CVs listed in **bold** are only active if the Tsunami Whitcomb Plug-and-Play Sound Module (sold separately) is plugged into the model's DCC decoder. For more information about the plug-in sound module, please refer to bachmanntrains.com.

Configuration Variable Defaults

CV #	Description	Default value	CV #	Description	Default value
1	Primary Address	3	95	Reverse Trim	128
2	V Start	0	105	User Identifier #1	---
3	Baseline Acceleration Rate	6	106	User Identifier #2	---
4	Baseline Deceleration Rate	5	**112**	**Sound Configuration**	**0**
5	V Max	0	**113**	**Quiet Mode Time-Out Period**	**0**
6	V Mid	0	**114**	**Bell Ring Rate**	**11**
7	Manufacturer Version ID	Read Only	**115**	**Horn Selection**	**0**
8	Manufacturer ID	141	**116**	**Engine Exhaust Control**	**39**
10	BEMF Cutout	0	**119**	**Effect Processor Select**	**0**
11	Packet Time-Out Value	0	**128**	**Master Volume Control**	**225**
12	Power Source Conversion	1	**129**	**Horn Volume Control**	**180**
13	Analog Mode Function (F1-F8)	48	**130**	**Bell Volume Control**	**60**
14	Analog Mode Function (F0, F9-F12)	3	**131**	**Exhaust Volume Control**	**65**
15	CV Unlock Code	0	**132**	**Air Compressor Volume Control**	**100**
16	CV Lock Code	0	**133**	**Dynamic Brake Volume Control**	**0**
17	Extended Address	192	**134**	**Radiator Fan Volume Control**	**148**
18	Extended Address	3	**137**	**Coupler Volume Control**	**128**
19	Consist Address	0	**139**	**Brake Squeal Volume Control**	**16**
21	Consist Function (F1-F8)	0	**140**	**Brake Release Volume Control**	**64**
22	Consist Function (F0, F9-F12)	0	**143**	**Air Tank Pop Valve Volume Control**	**32**
23	Consist Acceleration Rate	0	**153**	**7-Band Equalizer Control**	**7**
24	Consist Deceleration Rate	0	**154**	**62Hz Cut/Boost**	**128**
25	Speed Table Selection	0	**155**	**125Hz Cut/Boost**	**128**
29	Configuration Register 1	6	**156**	**250Hz Cut/Boost**	**128**
30	Alternate Mode Selection	4	**157**	**500Hz Cut/Boost**	**128**
33	F0(f) Output Location	3	**158**	**1kHz Cut/Boost**	**128**
34	F0(r) Output Location	3	**159**	**2kHz Cut/Boost**	**128**
35	F1 Output Location	8	**160**	**4kHz Cut/Boost**	**200**
36	F2 Output Location	4	**161**	**Reverb Control**	**0**
37	F3 Output Location	16	**162**	**Reverb Output Level**	**128**
38	F4 Output Location	8	**163**	**Reverb Delay**	**255**
39	F5 Output Location	0	**164**	**Reverb Gain**	**64**
40	F6 Output Location	0	**169**	**Horn Reverb**	**0**
41	F7 Output Location	0	**170**	**Bell Reverb**	**0**
42	F8 Output Location	0	**171**	**Engine Exhaust Reverb**	**0**
43	F9 Output Location	64	**172**	**Air Compressor Reverb**	**0**
44	F10 Output Location	4	**193**	**Automatic Bell ON Set Point**	**24**
45	F11 Output Location	128	**194**	**Automatic Bell OFF Set Point**	**35**
46	F12 Output Location	16	**195**	**Grade-Crossing Horn Sensitivity**	**4**
47	Analog Horn Control	0	**196**	**Brake Squeal Sensitivity**	**3**
49	Hyperlight F0(f)	142	**197**	**Analog Mode Auto. Sound Config.**	**14**
50	Hyperlight F0(r)	141	**198**	**DCC Mode Auto. Sound Config.**	**8**
51	Hyperlight F5	0	209	Motor Kp Coefficient	45
52	Hyperlight F6	0	210	Motor Ki Coefficient	10
59	Flash Rate	4	212	Motor Control Intensity	255
60	Grade-Crossing Hold Time	4	213	Motor Control Sample Period	15
61	F11 Braking Rate	0	214	Motor Control Aperture Time	15
62	Transponding Control	0	216	BEMF Reference Voltage	140
63	Analog Mode Motor Start Voltage	40			
64	Analog Mode Max. Motor Voltage	180			
66	Forward Trim	128			
67-94	Speed Table	Varies			