

# Bachmann On30 0-4-2 Porter



## Whistle Selections:

D&RGW Single Chime (default)	0
B&O 3 Chime	1
Peanut	2

## Exhaust Chuff:

Light Steam

## Air Pump:

Single Phase

## Configuration Variable Defaults

CV #	Description	Default value	CV #	Description	Default value
1	Primary address Control	03	133	Dynamo Volume Control	32
2	V Start	00	134	Blower Volume	16
3	Baseline Acceleration Rate	00	135	Rod Clank	32
4	Baseline Braking Rate	00	136	Steam Hiss	255
7	Manufacturer Version ID	Read Only	137	Coupler Volume Control	64
8	Manufacturer ID	141	138	Reserved	
10	BEMF Cutout	00	139	Brake Squeal Volume	128
11	Packet time Out Value	00	140	Brake Release Volume	64
12	Alternate Power Source	01	141	Snifter Valve Volume	64
13	Analog Mode Functions	00	142	Power Reverse	64
14	Analog Function enable 1	01	143	Pop off Valve	128
15	CV Unlock Code	00	144	Reserved	00
16	CV Lock Code	00	145	Blower Draft	128
17	Extended Address	192	153	7 Band Equalizer	00
18	Extended Address	03	154	62 Hz Cut/ Boost	128
19	Consist Address	00	155	125 Hz Cut/ Boost	128
21	Consist Function Group	00	156	200 Hz Cut/Boost	128
22	Consist Function Group 2	00	157	500 HZ Cut/Boost	128
23	Consist Acceleration Rate	00	158	1K Hz Cut/Boost	128
24	Consist Braking Rate	00	159	2K Hz Cut/Boost	128
25	Speed Table Register	00	160	4KHz Cut/ Boost	128
29	Configuration Register 1	06	161	Reverb	00
30	Error information		162	Reverb Output Level	128
	Alternate mode selection	04	163	Reverb Delay	255
33	FL (f) Output Location	01	164	Reverb Gain	64
34	FL (R) Output Location	01	169	Whistle Reverb	00
35	F1 Output Location	08	170	Bell Reverb	00
36	F2 Output Location	04	171	Steam Exhaust Reverb	00
37	F3 Output Location	16	172	Air Compressor Reverb	00
38	F4 Output Location	32	173	Reserved	
39	F5 Output Location	00	174	Reserved	
40	F6 Output Location	00	175	Reserved	
41	F7 Output Location	00	176	Reserved	
42	F8 Output Location	00	177	DDE Throttle Sensitivity	10
43	F9 Output Location	01	178	DDE Load Sensitivity	32
44	F10 Output Location	04	179	DDE Attack Time Constant	10
45	F11 Output Location	128	180	DDE Decay Time Constant	10
46	F12 Output Location	16	181	DDE Exhaust Low Limit	255
47	Analog Whistle Control	00	182	DDE Exhaust High Limit	255
49	Hyperlight F0 F	01	183	DDE Rod Low Limit	255
50	Hyperlight F0 R	00	184	DDE Rod High Limit	255
51	Hyperlight F5	00	185	DDE Filter Initial Frequency	42
52	Hyperlight F6	00	186	DDE Filter Slope	64
59	Flash Rate	03	187	DDE Filter Damping	255
60	Crossing Hold Time	04	188	DDE BEMF Tracking Constant	102
61	F11 Braking Rate	00	189	DDE BEMF Tracking Offset	00
62	Transponding Control	00	193	Bell On voltage	15
63	Analog Mode Motor Start Volt.	20	194	Bell Off Voltage	30
64	Analog Mode Max Volt.	180	195	Crossing Whistle Sensitivity	04
66	Forward Trim	128	196	Brake Squeal Sensitivity	03
67-94	Speed Table	Varies	197	Analog Auto Sound	00
95	Reverse Trim	128	198	DCC Auto Sound	00
105	User Identifier #1	---	201	Probability Fireman Fred	64
106	User Identifier #2	---	202	Probability Fred's Wrench	32
112	Sound Configuration	00	203	Probability Fred's Grease Gun	16
113	Quiet Mode Timeout Period	00	204	Probability Fred's Oil Can	32
114	Bell Ring Rate	15	205	Probability Fred's Injector	64
115	Whistle Selection	00	206	Probability Fred's Blower	64
116	Chuff Rate	165	207	Probability Locomotive Pop Off	64
119	Effect Processor Select	00	209	Motor KP Coefficient	25
128	Master Volume Control	255	210	Motor KI Coefficient	20
129	Horn Volume Control	255	212	BEMF Feedback Intensity	255
130	Bell Volume Control	255	213	BEMF Sample Period	15
131	Exhaust Volume Control	125	214	BEMF Window Size	15
132	Air Compressor Volume	00			