

# Bachmann On30 2-4-4 Forney

## (Inside and Outside Frame)



### Whistle Selections:

Hiesler	0
D&RGW Single Chime	1
Peanut	2

### Air Compressor:

Single Phase

### Configuration Variable Defaults

CV #	Description	Default value	CV #	Description	Default value
1	Primary address Control	03	128	Master Volume Control	192
2	V Start	00	129	Whistle Volume Control	255
3	Baseline Acceleration Rate	00	130	Bell Volume Control	92
4	Baseline Braking Rate	00	131	Exhaust Volume Control	100
7	Manufacturer Version ID	Read Only	132	Air Pump Volume	48
8	Manufacturer ID	141	133	Dynamo Volume Control	32
10	BEMF Cutout	00	134	Blower Volume	16
11	Packet time Out Value	00	135	Rod Clank Volume Control	32
12	Alternate Power Source	01	136	Steam Release Volume Control	128
13	Analog Mode Functions	00	137	Coupler Volume Control	128
14	Analog Function enable 1	03	138	Reserved	00
15	CV Unlock Code	00	139	Brake Squeal Volume	128
16	CV Lock Code	00	140	Brake Release Volume	64
17	Extended Address	192	141	Snifter Valve Volume	64
18	Extended Address	03	142	Johnson Bar/ Power Reverse	64
19	Consist Address	00	143	Pop Valve/ Safety Valve	00
21	Consist Function Group	00	144	Reserved	00
22	Consist Function Group 2	00	146	Water Stop Volume	96
23	Consist Acceleration Rate	00	177	DDE Throttle Gain	10
24	Consist Braking Rate	00	178	DDE Motor Load Gain	24
25	Speed Table Register	00	179	DDE Attack Time Constant	10
29	Configuration Register 1	06	180	DDE Release Time Constant	10
30	Error information		181	Exhaust Low Volume Limit	255
	Alternate mode selection	04	182	Exhaust High Volume Limit	255
33	FL (f) Output Location	17	183	Side Rod Clank Low Limit	255
34	FL (R ) Output Location	18	184	Side Rod Clank High Limit	255
35	F1 Output Location	08	185	DDE Filter Initial Frequency	42
36	F2 Output Location	04	186	DDE Filter Control Gain	120
37	F3 Output Location	16	187	DDE Initial Frequency	255
38	F4 Output Location	32	188	DDE Tracking Coefficient	75
39	F5 Output Location	00	193	Automatic Bell-on Set Point	15
40	F6 Output Location	00	194	Automatic Bell -off Set Point	24
41	F7 Output Location	16	195	Grade Crossing Sensitivity	04
42	F8 Output Location	128	196	Brake Squeal Sensitivity	03
43	F9 Output Location	01	197	Analog Mode Sound Config.	06
44	F10 Output Location	04	198	DCC Mode Auto Sound Config	08
45	F11 Output Location	128	209	Kp Coefficient	60
46	F12 Output Location	16	210	Ki Coefficient	10
47	Analog Whistle Control	00	212	Motor Control Intensity	128
49-52	Hyperlight Effects	01	213	Motor Control Sample Period	15
59	Flash Rate	03	214	Motor Control Aperture Time	15
60	Crossing Hold Time	04	218	Analog Mode Chuff Rate	10
61	F11 Braking Rate	00			
62	Transponding Control	00			
63	Analog Mode Motor Start Volt.	00			
64	Analog Mode Max Volt.	180			
66	Forward Trim	128			
67-94	Speed Table	Varies			
95	Reverse Trim	128			
105	User Identifier #1	---			
106	User Identifier #2	---			
112	Sound Configuration	00			
113	Quiet Mode Timeout Period	00			
114	Bell Ring Rate	04			
115	Whistle Selection	00			
116	Exhaust Control/ Chuff Rate	65			
119	Effect Processor Select	00			