



Class 117 Diesel Multiple Unit

SOUND FITTED Information

Important: Please read this sheet before running your locomotive.

Many thanks for purchasing one of our **Bachmann Branchline** SOUND FITTED Class 117 DMUs. Please take the time to read through this sheet carefully before running your DMU to ensure you get the most out of your model.

Decoder Info.

Decoder & Speaker Spec.

Decoder: Zimo MX645P22
CV1 Address: 03
Speed Steps: 28/128
Two Speakers: 0.7/1 Watt / 8 Ohm 11 x 15mm

For Best Results...

Please make sure your DCC system is set to run on 128 speed steps to obtain the very best results from this decoder.

Keeping the track, wheels and pick-ups clean are essential to ensure good electrical contact and will also contribute to the decoder working to it's best ability.

Loco Decoder Address.

This model is set with a default decoder address of 3.

Running on DC.

Your model is equipped with a Zimo MX645P22 DCC Sound decoder but will operate on DC powered track producing movement & normal load running sounds and any other automatic and randomised sounds when power is applied.

Please note: If this model is to be controlled with an analogue (DC) output controller Bachmann Europe PLC recommend the use of a controller with a smoothed output. If you intend to use a feedback type controller, or one with PWM (pulse width modulation) please consult the controller manufacturer before using it with this model.

Do not use with Electronic Track Cleaners.

Please note: This model should be removed from the track if you are changing the address of another model with an E-Z Command Control Centre.

Function List - Class 117 DMU

No.	Function/Sound	F Button <i>Suggested Setting</i>	Sound Type
0	Directional Lights - On/Off	Latch	-
1	Warm Engine Start-up / Shut-down	Latch	Fixed Length
	F5 On - Cold Engine Start-up	Latch	Fixed Length
2	Brake	Trigger	Brake Sounds
3	Single Horn <i>(Speed & Direction Dependent)</i>	Trigger	Fixed Length
4	Two Tone Horn <i>(Speed & Direction Dependent)</i>	Trigger	Fixed Length
5	Cold Start (engage F5 before F1)	Latch	Fixed Length
	Light Load	Latch	-
6	Engine Cruise / Compressor Speed-up	Latch	Continuous Play
7	Flange Squeal <i>(at Speed Steps 1-39 of 127)</i>	Latch	Continuous Play
8	Defonators <i>(Speed Variable)</i>	Trigger	-
9	Saloon Lighting - On/Off	Latch	-
10	Guard's Whistle	Trigger	Fixed Length
11	Crawler Mode <i>(Low speed & sounds only)</i>	Latch	-
12	On - Guard's Single Buzzer	Latch	Fixed Length
	Off - Driver's Single Buzzer Response		
13	On - Guard's Double Buzzer	Latch	Fixed Length
	Off - Driver's Double Buzzer Response		
14	On - Driver's Door Open	Latch	Fixed Length
	Off - Driver's Door Closed		
15	Passenger Door Slam <i>(Before moving)</i>	Latch	Fixed Length
16	DMS Destination Blind Light - On/Off	Latch	-
17	DMBS Destination Blind Light - On/Off	Latch	-
18	Fade All Sounds	Latch	-
19	Windscreen Wipers	Latch	Continuous Play
20	DMS Directional Lights - Off/On	Latch	-
21	DMBS Directional Lights - Off/On	Latch	-
22	Rail Join Clatter - Off/On <i>(Speed Variable)</i>	Latch	Continuous Play
23	On - Passenger Door Open	Latch	Fixed Length
	Off - Passenger Door Closed		
24	Cab Lights - On/Off	Latch	-
25	Handbrake	Latch	-
26	Air Tank Drain Down	Trigger	Fixed Length
27	Volume Down	Trigger	-
28	Volume Up	Trigger	-



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