



Class 24 Diesel Locomotive

SOUND FITTED Information

Important: Please read this sheet before running your locomotive.

Many thanks for purchasing one of our **Bachmann Branchline** Class 24 SOUND FITTED Diesel Locomotives. Please take the time to read through this sheet carefully before running your locomotive to ensure you get the most out of your model.

Decoder Info.

Decoder & Speaker Spec.

Decoder: Zimo MX644C 21Pin
CV1 Address: 03
Speed Steps: 28/128
Speaker: 0.7/1 Watt 8 Ohms 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 MX644C** 21Pin 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.

Useful Notes

F25. Spirax Valves (Latch)

F25 On (F1 on first)- The Spirax Valve feature may be engaged at any time, but sound will not play until the engine has been running for some time.

After the specified time the valves will begin to operate slowly, gradually rising to a steady rate and volume. This is the normal state with the compressor maintaining air pressure.

Disengaging F25 will cause the valves to slow and fade until they stop.

Optionally, you may re-engage F25 within a few seconds, and the sound will settle into a slower and quieter repetition. This would be useful to simulate a loco shortly after shut down, when the valves may continue operating for a long time.

When you wish to stop the sound, disengage F25 and it will gradually slow and fade until eventually it stops.

Function List - Class 24

No.	Function/Sound	F Button <i>Suggested Setting</i>	Sound Type
0	Directional Lights	Latch	Switch Sound
1	Engine Start / Sound (On / Off)	Latch	-
2	Brake (Non-Latching)	Trigger	Brake Sounds
3	Single Horn (Speed and Direction Related)	Trigger	Fixed Length
4	Two Tone Horn (Speed and Direction Related)	Trigger	Fixed Length
5	Light Engine	Latch	-
6	Engine Idle / Coasting	Latch	Continuous Play
7	Speed Lock	Latch	-
8	Cold Start (F8 On before F1)	Latch	Continuous Play
9	Flange Squeal (Speed Related)	Latch	Continuous Play
10	Despatch Whistle	Trigger	Fixed Length
11	Buffering Up	Latch	Fixed Length
12	Coupling Up	Latch	Fixed Length
13	Compressor	Latch	Continuous Play
14	Cooler Group Fan	Latch	Continuous Play
15	Detonators	Latch	Variable Length
16	Combined Pump	Latch	Continuous Play
17	Auto Wagon Buffering (F17 On / F5 Off Only)	Latch	-
18	On - Driver's Door Opening	Latch	Fixed Length
	Off - Driver's Door Closing	Latch	Fixed Length
19	Fade All Sounds	Latch	-
20	Directional Lights Off - No.1 End (Fan)	Latch	-
21	Directional Lights Off - No.2 End (Non-Fan)	Latch	-
22	Cab Light - On/Off	Latch	-
23	Window Wipers	Latch	Continuous Play
24	Station Ambience	Latch	Variable Length
25	Spirax Valves (See notes)	Latch	Variable Length
26	Shunt Mode	Latch	-
27	Volume Down	Trigger	-
28	Volume Up	Trigger	-



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