



Class 55 Diesel Locomotive

Sound Fitted Information

Important: Please read this sheet before running your locomotive.

Many thanks for purchasing one of our **Bachmann Branchline** Class 55 Sound Fitted 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: ESU 21MTC Loksound V5 DCC
CV1 Address: 03
Speed Steps: 28/128
Speaker: 8 Ohms, 40 x 20mm Tray Type

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 ESU 21MTC Loksound V5 DCC sound decoder, this will still operate on DC powered track with directional lights and producing basic Prime Mover (engine) sounds, which will vary with speed, plus any other automated sounds.

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.

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

F2. Loco Brake (Trigger)

F2 On - Slows the loco down whilst moving - if necessary to a stop. Releasing **F2** will allow the loco to return to its previous speed. Brake sounds will accompany any use of the Loco Brake function key.

A variety of brake squeal sounds are available by altering **CV165**.

CV165 = 0: Brake Squeal 1 (Default)

CV165 = 1: Brake Squeal 2

CV165 = 2: Brake Squeal 3

CV165 = 3: Brake Squeal 4

F4. Two-Tone Horn (Trigger)

The characteristics of F4 horn can be altered with **CV169**.

CV169 = 0: Horn is Playable

CV165 = 1: Plays a Single 'Toot'

CV165 = 2: Plays a Double Toot (Default)

F5. Heavy Load (Latch)

If the default rise in rpm is not sufficient then this can be increased by changing **CV104** from **172** to **195**.

F6. Coasting (Latch)

F6 On - Causes the sound of the engine revs to fall and the locomotive to coast automatically from any throttle position whilst not affecting the speed. During this time, the speed can still be adjusted if required without affecting the sound of the engine. This will continue until **F6** is turned Off.

F14. Uncoupling cycle (Latch)

On - A movement function to enable automatic uncoupling of tension-lock and knuckle couplings. Use F14 when you have positioned your train's coupling over a uncoupling ramp or magnet, and it will cause the locomotive to reverse to release the tension and allow the coupling to disengage.

Function List - Class 55

No.	Function/Sound	F Button <i>Suggested Setting</i>	Sound Type
0	Directional Lights & Switch Sound	Latch	Single
1	On - Fuel Pump On - Warm Engine Start	Latch	Continuous
	On / Off - Fuel Pump On - Failed Engine Start	Latch	Single
	On / Off / On - Fuel Pump On - Cold Engine Start	Latch	Continuous
2	Brake (Function & Sound)	Trigger	Continuous
3	Single Horn (Playable)	Trigger	Continuous
4	Two Tone Horn (Variable, see notes)	Trigger	Single
5	Heavy Load (Function & Sound)	Latch	-
6	Coasting (With F5 Off)	Latch	Continuous
	Manual Notch Down (F21 On)	Latch	Continuous
7	Max Revs (with F5 Off) / Manual Notch Up (F21 On)	Latch	Continuous
	Manual Notch Up (F21 On)	Latch	Continuous
8	On - Coupling Up	Latch	Single
	Off - Uncoupling	Latch	Single
9	Flange Squeal	Latch	Continuous
10	Air Dump	Trigger	Single
11	Spirax Valve	Latch	Continuous
12	Guard's Whistle & Driver's Responce	Latch	Single
13	Cab Light & Switch Sound	Latch	Single
14	Auto Uncouple Cycle	Latch	-
15	On - Driver's Door Open	Latch	Single
	Off - Driver's Door Shut	Latch	Single
16	AWS Horn	Trigger	Single
17	AWS Bell	Trigger	Single
18	On - Sound Fades Out	Latch	-
	Off - Sound Fades In	Latch	-
19	Mute	Latch	-
	Volume - Cycles through 6 Levels	Trigger	-
20	Station Announcement	Trigger	Single
21	On - Manual Notching Logic On (See notes)	Latch	-
	Off - Manual Notching Logic Off	Latch	-
22	Sanding Valve	Trigger	Single

Notes.

F6 / F7 with F21 On - the engine rpm can be controlled by **F6 & F7**.

It will decrease by one notch every time you turn **F6** on and off and increase by one notch every time you turn **F7** on and off.

While **F21** is 'on', you can still adjust the train speed using the throttle. This will allow both individual control over the diesel sound and throttle operation at any time.



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