

SD063 - Class 153 DMU

F#	Spot Sound Description	Mode								
F0	Headlight/Rear Lights	T								
F1	Sound Enable/Engine Start	T								
F2	Multiple Horns (5)	M	F2a_Low_High	F2b_High_Low	F2c_Low_High_High_Low	F2d_High_Low_Low_High	F2e_High_Low_Short	UNUSED	UNUSED	UNUSED
F3	Multiple Horns Fancy (4)	M	F3a_Low_High_Low_Long	F3b_High_Low_Low_Long	F3c_Low_High_Long	F3d_High_Low_Long	UNUSED	UNUSED	UNUSED	UNUSED
F4	Brake	M								
F5	<i>Notch up</i>	M								
F6	<i>Notch Down</i>	M								
F7	<i>Return to Idle</i>	M								
F8	<i>Thrash</i>	T								
F9	<i>Diesel Cold Start override operation of F1, until disabled.</i>	T								
F10	Compressor	T								
F11	Spirax Valve	T								
F12	*Slow Speed Rail Clack	T								
F13	AWS Warning	M								
F14	Flange Squeal	T								
F15	**Doors Open/Close	T								
F16	Handbrake	M								
F17	***Detonators	T								
F18	Sander	T								
F19	Guards Whistle	M								
F20	Cab Start Up	M								
F21	Aux1	T								
F22	Aux2	T								
F23	Aux 3	T								
F24	Aux 4	T								
F25	Shunt Mode	T								
F26	Creep Mode	M								
F27	Dynamic Brake	M	M = Momentary Action							
F28	AFC Enable	T	T = Toggle On/Off							

- NOTES -**
 *F12 Slow Speed Rail Clack - will only function when the loco is in motion between SS10 - SS25
 **F15 Doors Open/Close work as a toggle operation i.e F8 Doors Open playback starts when enabled and the Doors Close sound is played when the function is disabled.
 ***F17 Detonators will only function when the loco is in motion between SS5 - SS75. The detenation rate will increase/decrease depending on the loco speed.

Sound Play Configuration DIESEL Engines... Idle + 5 Notches... 5 Notch Diesel... Configuration... CV210 to CV219			
CV	Idle	Value	Value Range
210	Trigger Threshold 1	5	5 - 15
211	Trigger Threshold 1 Window	5	5 - 9
212	Trigger Threshold 2	20	20 - 30
213	Trigger Threshold 2 Window	5	5 - 14
214	Trigger Threshold 3	45	40 - 50
215	Trigger Threshold 3 Window	5	5 - 14
216	Trigger Threshold 4	65	65 - 70
217	Trigger Threshold 4 Window	5	5 - 14
218	Trigger Threshold 5	85	85 - 90
219	Trigger Threshold 5 Window	5	5 - 14

The top speed has also been adjusted so that realistic speeds can be obtained. This can be increased / decreased as desired by adjusting the value in CV5 (vmax) and CV6 (vmid). Default values have been set to: CV5 = 125, CV6 = 40.

Please refer to the main HM7000 Series Decoder Reference Manual for further information