

## SD509 - GR.685 Steam

F#	Spot Sound Description	Mode								
F0	Headlight/Rear Lights (If fitted)	T								
F1	Sound On / Off	T								
F2	Multiple Whistles (5)	M	F2a_Long_Short	F2b_Medium_Short_1	F2c_Long_Tapered	F2d_Short_1	F2e_Short_2	UNUSED	UNUSED	UNUSED
F3	Multiple Whistles (5)	M	F3a_Short_3	F3b_Long_1	F3c_Medium_1	F3d_Medium_2	F3e_Medium_Short_2	UNUSED	UNUSED	UNUSED
F4	Brake	M								
F5	Cylinder Cock	T								
F6	Wheel Slip (Sound is only played when F1 is ON)	T								
F7	*Coal Shovelling (Manual)	T								
F8	Injector	T								
F9	Safety Valve	T								
F10	Guards Whistle	M								
F11	Coupling	M								
F12	Sanding Valve	T								
F13	Flange Squeal	T								
F14	Blower	T								
F15	Hasler Tachograph	T								
F16	Buffer Up	M								
F17	Westinghouse Pump Slow	T								
F18	Westinghouse Pump Fast	T								
F19	Water Fill	T								
F20	Toggle Sound Mode between "Chuffing" and "Coasting"	T								
F21	<b>**Aux1 - Coal Shovelling (Automated)</b>	<b>T</b>								
F22	<b>Aux2 - Cab Light on/off</b>	<b>T</b>								
F23	<b>Aux 3</b>	<b>T</b>								
F24	<b>Aux 4</b>	<b>T</b>								
F25	<b>Shunt Mode</b>	<b>M</b>								
F26	<b>Creep Mode</b>	<b>M</b>								
F27	<b>Dynamic Brake</b>	<b>M</b>	<b>M = Momentary Action</b>							
F28	<b>AFC Enable</b>	<b>T</b>	<b>T = Toggle On/Off</b>							

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

### **\*F7 Coal Shovelling (Manual)**

When F7 is enabled, the coal shovelling spot sound will commence playback, and the Firebox LED (if fitted) will illuminate and continue to function until F7 is d

### **\*\*F21 Coal Shovelling (Automated)**

Associated with F21 automated coal shovelling, are 2 different operational states.

If the locomotive is operating at SS10 and under, when F21 is enabled coal shovelling commences playback and the Firebox LED (if fitted) switches on for 3 complete loop cycles before switching off for 45 seconds. The cycle then repeats.

If the locomotive is operating at SS10 and over, when F21 is enabled coal shovelling commences playback and the Firebox LED (if fitted) switches on for 6 complete loop cycles before switching off for 25 seconds. The cycle then repeats.