

## General project information

Project-Name:

Version-No.:

Project-No.:

SNCF 68000 Sulzer Motor Rerun

2

11441

Item-No.:

Order-No.:

Customer:

Roco Modelleisenbahn GmbH  
Plainbachstrasse 4  
A-5101 Bergheim

Contact person:

Tel.-No.:

Email:

Project start:

Project status:

Date of approval:

March 2009

Finished

09-04-22

OEM-Manual required ☐

## Sound recording documentation

Origin of the sound:

Recording date:

Comments:

## Decoder information

Decodertype:

LoksoundV3.5 16MBit

Loudspeaker:

28mm, 100 Ohms, installed by manufacturer

Configuration:

Firmware-Version:

0.0.6088

## Decoder Setup

Address:

3

max. speed:

50

Protocols:

DC ☒  
AC ☒  
DCC ☒Motorola ☒  
mfx ☐  
Selectrix ☐

Break sections:

DCC ☒  
Märklin ☒

Prime mover sound description:

Function keys:

F0	Light on/off
F1	Sound on/off
F2	Airhorn 1
F3	Airhorn 2
F4	Coupler
F5	Conductor's Signal
F6	Shunting Mode
F7	French Announcement 1
F8	French Announcement 2
F9	Airhorn Signal
F10	Airhorn 1 short
F11	Airhorn 2 short
F12	Brake release
F13	
F14	
F15	
F16	
F17	
F18	
F19	
F20	

Special features:

### CV-Values

CV	DEC	BIN	HEX	CV	DEC	BIN	HEX	CV	DEC	BIN	HEX
CV 001 = 003	00000011	0x03		CV 114 = 015	00001111	0x0F		CV 178 = 003	00000011	0x03	
CV 002 = 002	00000010	0x02		CV 115 = 015	00001111	0x0F		CV 179 = 000	00000000	0x00	
CV 003 = 008	00001000	0x08		CV 116 = 015	00001111	0x0F		CV 180 = 000	00000000	0x00	
CV 004 = 004	00000100	0x04		CV 117 = 000	00000000	0x00		CV 181 = 003	00000011	0x03	
CV 005 = 050	00110010	0x32		CV 118 = 000	00000000	0x00		CV 182 = 000	00000000	0x00	
CV 006 = 017	00010001	0x11		CV 119 = 000	00000000	0x00		CV 183 = 000	00000000	0x00	
CV 013 = 000	00000000	0x00		CV 120 = 000	00000000	0x00		CV 184 = 000	00000000	0x00	
CV 014 = 003	00000011	0x03		CV 121 = 064	01000000	0x40		CV 185 = 005	00000101	0x05	
CV 017 = 192	11000000	0xC0		CV 122 = 064	01000000	0x40		CV 186 = 000	00000000	0x00	
CV 018 = 000	00000000	0x00		CV 123 = 064	01000000	0x40		CV 187 = 000	00000000	0x00	
CV 019 = 000	00000000	0x00		CV 124 = 015	00001111	0x0F		CV 188 = 005	00000101	0x05	
CV 021 = 000	00000000	0x00		CV 125 = 020	00010100	0x14		CV 189 = 000	00000000	0x00	
CV 022 = 003	00000011	0x03		CV 126 = 055	00110111	0x37		CV 190 = 000	00000000	0x00	
CV 029 = 006	00000110	0x06		CV 127 = 025	00011001	0x19		CV 191 = 006	00000110	0x06	
CV 049 = 019	00010011	0x13		CV 128 = 065	01000001	0x41		CV 192 = 000	00000000	0x00	
CV 050 = 003	00000011	0x03		CV 129 = 000	00000000	0x00		CV 193 = 000	00000000	0x00	
CV 051 = 011	00001011	0x0B		CV 130 = 000	00000000	0x00		CV 194 = 006	00000110	0x06	
CV 052 = 000	00000000	0x00		CV 131 = 000	00000000	0x00		CV 195 = 000	00000000	0x00	
CV 053 = 050	00110010	0x32		CV 132 = 000	00000000	0x00		CV 196 = 000	00000000	0x00	
CV 054 = 032	00100000	0x20		CV 133 = 000	00000000	0x00		CV 197 = 007	00000111	0x07	
CV 055 = 024	00011000	0x18		CV 134 = 000	00000000	0x00		CV 198 = 000	00000000	0x00	
CV 056 = 064	01000000	0x40		CV 135 = 000	00000000	0x00		CV 199 = 000	00000000	0x00	
CV 057 = 001	00000001	0x01		CV 136 = 000	00000000	0x00		CV 200 = 007	00000111	0x07	
CV 058 = 042	00101010	0x2A		CV 137 = 000	00000000	0x00		CV 201 = 000	00000000	0x00	
CV 059 = 029	00011101	0x1D		CV 138 = 000	00000000	0x00		CV 202 = 000	00000000	0x00	
CV 060 = 048	00110000	0x30		CV 139 = 000	00000000	0x00		CV 203 = 008	00001000	0x08	
CV 061 = 015	00001111	0x0F		CV 140 = 000	00000000	0x00		CV 204 = 000	00000000	0x00	
CV 062 = 047	00101111	0x2F		CV 141 = 001	00000001	0x01		CV 205 = 000	00000000	0x00	
CV 063 = 055	00110111	0x37		CV 142 = 000	00000000	0x00		CV 206 = 008	00001000	0x08	
CV 064 = 007	00000111	0x07		CV 143 = 000	00000000	0x00		CV 207 = 000	00000000	0x00	
CV 066 = 000	00000000	0x00		CV 144 = 002	00000010	0x02		CV 208 = 000	00000000	0x00	
CV 067 = 003	00000011	0x03		CV 145 = 000	00000000	0x00		CV 209 = 009	00001001	0x09	
CV 068 = 005	00000101	0x05		CV 146 = 000	00000000	0x00		CV 210 = 000	00000000	0x00	
CV 069 = 008	00001000	0x08		CV 147 = 000	00000000	0x00		CV 211 = 000	00000000	0x00	
CV 070 = 011	00001011	0x0B		CV 148 = 004	00000100	0x04		CV 212 = 009	00001001	0x09	
CV 071 = 015	00001111	0x0F		CV 149 = 000	00000000	0x00		CV 213 = 000	00000000	0x00	
CV 072 = 018	00010010	0x12		CV 150 = 000	00000000	0x00		CV 214 = 000	00000000	0x00	
CV 073 = 022	00010110	0x16		CV 151 = 004	00000100	0x04		CV 215 = 010	00001010	0x0A	
CV 074 = 026	00011010	0x1A		CV 152 = 000	00000000	0x00		CV 216 = 000	00000000	0x00	
CV 075 = 030	00011110	0x1E		CV 153 = 000	00000000	0x00		CV 217 = 000	00000000	0x00	
CV 076 = 034	00100010	0x22		CV 154 = 032	00100000	0x20		CV 218 = 010	00001010	0x0A	
CV 077 = 040	00101000	0x28		CV 155 = 001	00000001	0x01		CV 219 = 000	00000000	0x00	
CV 078 = 046	00101110	0x2E		CV 156 = 000	00000000	0x00		CV 220 = 000	00000000	0x00	
CV 079 = 052	00110100	0x34		CV 157 = 032	00100000	0x20		CV 221 = 000	00000000	0x00	
CV 080 = 058	00111010	0x3A		CV 158 = 001	00000001	0x01		CV 222 = 000	00000000	0x00	
CV 081 = 066	01000010	0x42		CV 159 = 000	00000000	0x00		CV 223 = 000	00000000	0x00	
CV 082 = 074	01001010	0x4A		CV 160 = 032	00100000	0x20		CV 224 = 000	00000000	0x00	
CV 083 = 082	01010010	0x52		CV 161 = 002	00000010	0x02		CV 225 = 000	00000000	0x00	
CV 084 = 090	01011010	0x5A		CV 162 = 000	00000000	0x00		CV 226 = 000	00000000	0x00	
CV 085 = 100	01100100	0x64		CV 163 = 032	00100000	0x20		CV 227 = 000	00000000	0x00	
CV 086 = 110	01101110	0x6E		CV 164 = 002	00000010	0x02		CV 228 = 000	00000000	0x00	
CV 087 = 124	01111100	0x7C		CV 165 = 000	00000000	0x00		CV 229 = 000	00000000	0x00	
CV 088 = 136	10001000	0x88		CV 166 = 000	00000000	0x00		CV 230 = 000	00000000	0x00	
CV 089 = 152	10011000	0x98		CV 167 = 003	00000011	0x03		CV 231 = 000	00000000	0x00	
CV 090 = 168	10101000	0xA8		CV 168 = 000	00000000	0x00		CV 232 = 000	00000000	0x00	
CV 091 = 188	10111100	0xBC		CV 169 = 000	00000000	0x00		CV 233 = 000	00000000	0x00	
CV 092 = 208	11010000	0xD0		CV 170 = 003	00000011	0x03		CV 234 = 000	00000000	0x00	
CV 093 = 230	11100110	0xE6		CV 171 = 000	00000000	0x00		CV 235 = 000	00000000	0x00	
CV 094 = 255	11111111	0xFF		CV 172 = 000	00000000	0x00		CV 236 = 000	00000000	0x00	
CV 095 = 000	00000000	0x00		CV 173 = 004	00000100	0x04		CV 249 = 000	00000000	0x00	
CV 105 = 000	00000000	0x00		CV 174 = 000	00000000	0x00		CV 250 = 000	00000000	0x00	
CV 106 = 000	00000000	0x00		CV 175 = 000	00000000	0x00		CV 251 = 000	00000000	0x00	
CV 112 = 033	00100001	0x21		CV 176 = 004	00000100	0x04		CV 254 = 000	00000000	0x00	
CV 113 = 015	00001111	0x0F		CV 177 = 000	00000000	0x00		CV 255 = 000	00000000	0x00	

## Revision

Date issued:

09-04-22

Sent by:

Email

Customer's feedback date:

09-04-22

## Customer's feedback (change requests):

Hallo Herr Koch,

folgende Änderungen bitte durchführen:

CV 5 = 50

CV 6 = 17

Kein Hupen bei jedem Anfahren. --> CV 137 = 0, CV 140 = 0.

Ansonsten gefällt uns der Sound recht gut.

==> Mit diesen Änderungen ist der Decoder freigegeben.

## Changes in comparison to the former version:

CVs changed like requested

Approval note added ☐

Production file generated by:

Elmar Heckmann

Date of generating:

09-04-22

Manual generated by:

Manual generated from: