General project information

Project-Name:

RAm without bell

Version-No.:

1

Project-No.:

11440

Item-No.:

Order-No.:

Customer:

Roco Modelleisenbahn GmbH
Plainbachstrasse 4
A-5101 Bergheim

Contact person:

Tel.-No.:

Email:

Project start:

March 2009

Project status:

Finished

Date of approval:

09-04-20

OEM-Manual required ☐

Sound recording documentation

Origin of the sound:

ESU DEIII Recording Harleem (NL)

Recording date:

07-05-05

Comments:

DEIII Dieselsound start sequence modified:
1. additional diesel starts
2. 1st drive engine starts
3. 2nd drive engine starts

ESU

Decoder information

Decodertype:

LoksoundV3.5 16MBit

Firmware-Version:

0.0.6088

Loudspeaker:

Configuration:

Decoder Setup

Address:

3

max. speed:

55

Protocols:

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

Break sections:

DCC	☒
Märklin	☒

Prime mover sound description:

diesel electric sound, 6 audible sound steps; idle/coast mode;
additional diesel engine sequence before driving diesel engine

Function keys:

F0	Light on/off
F1	Sound on/off
F2	Airhorn 1
F3	Airhorn 2
F4	Light inside (Aux 1)
F5	Compressor
F6	Shunting Mode
F7	Diesel Notch Up
F8	Diesel Notch Down
F9	Coupler
F10	Brake Release
F11	Ventilator
F12	Airhorn 1 short
F13	Airhorn 2 short
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 180 =	000	00000000	0x00
CV 002 =	001	00000001	0x01	CV 115 =	015	00001111	0x0F	CV 181 =	003	00000011	0x03
CV 003 =	012	00001100	0x0C	CV 116 =	015	00001111	0x0F	CV 182 =	000	00000000	0x00
CV 004 =	008	00001000	0x08	CV 117 =	015	00001111	0x0F	CV 183 =	064	01000000	0x40
CV 005 =	055	00110111	0x37	CV 118 =	015	00001111	0x0F	CV 184 =	000	00000000	0x00
CV 006 =	025	00011001	0x19	CV 121 =	064	01000000	0x40	CV 185 =	000	00000000	0x00
CV 013 =	001	00000001	0x01	CV 122 =	064	01000000	0x40	CV 186 =	064	01000000	0x40
CV 014 =	003	00000011	0x03	CV 123 =	064	01000000	0x40	CV 187 =	000	00000000	0x00
CV 017 =	192	11000000	0xC0	CV 124 =	000	00000000	0x00	CV 188 =	000	00000000	0x00
CV 018 =	128	10000000	0x80	CV 125 =	020	00010100	0x14	CV 189 =	128	10000000	0x80
CV 019 =	000	00000000	0x00	CV 126 =	060	00111100	0x3C	CV 190 =	000	00000000	0x00
CV 021 =	000	00000000	0x00	CV 127 =	030	00011110	0x1E	CV 191 =	000	00000000	0x00
CV 022 =	003	00000011	0x03	CV 128 =	064	01000000	0x40	CV 192 =	128	10000000	0x80
CV 029 =	006	00000110	0x06	CV 129 =	000	00000000	0x00	CV 193 =	000	00000000	0x00
CV 049 =	019	00010011	0x13	CV 130 =	000	00000000	0x00	CV 194 =	000	00000000	0x00
CV 050 =	003	00000011	0x03	CV 131 =	000	00000000	0x00	CV 195 =	000	00000000	0x00
CV 051 =	003	00000011	0x03	CV 132 =	000	00000000	0x00	CV 196 =	000	00000000	0x00
CV 052 =	000	00000000	0x00	CV 133 =	000	00000000	0x00	CV 197 =	003	00000011	0x03
CV 053 =	050	00110010	0x32	CV 134 =	000	00000000	0x00	CV 198 =	000	00000000	0x00
CV 054 =	032	00100000	0x20	CV 135 =	000	00000000	0x00	CV 199 =	000	00000000	0x00
CV 055 =	024	00011000	0x18	CV 136 =	000	00000000	0x00	CV 200 =	003	00000011	0x03
CV 056 =	064	01000000	0x40	CV 137 =	000	00000000	0x00	CV 201 =	000	00000000	0x00
CV 057 =	000	00000000	0x00	CV 138 =	000	00000000	0x00	CV 202 =	000	00000000	0x00
CV 058 =	001	00000001	0x01	CV 139 =	000	00000000	0x00	CV 203 =	005	00000101	0x05
CV 059 =	032	00100000	0x20	CV 140 =	000	00000000	0x00	CV 204 =	000	00000000	0x00
CV 060 =	048	00110000	0x30	CV 141 =	001	00000001	0x01	CV 205 =	000	00000000	0x00
CV 061 =	025	00011001	0x19	CV 142 =	000	00000000	0x00	CV 206 =	005	00000101	0x05
CV 062 =	050	00110010	0x32	CV 143 =	000	00000000	0x00	CV 207 =	000	00000000	0x00
CV 063 =	064	01000000	0x40	CV 144 =	002	00000010	0x02	CV 208 =	000	00000000	0x00
CV 064 =	011	00001011	0x0B	CV 145 =	000	00000000	0x00	CV 209 =	006	00000110	0x06
CV 066 =	000	00000000	0x00	CV 146 =	000	00000000	0x00	CV 210 =	000	00000000	0x00
CV 067 =	009	00001001	0x09	CV 147 =	000	00000000	0x00	CV 211 =	000	00000000	0x00
CV 068 =	018	00010010	0x12	CV 148 =	004	00000100	0x04	CV 212 =	006	00000110	0x06
CV 069 =	027	00011011	0x1B	CV 149 =	000	00000000	0x00	CV 213 =	000	00000000	0x00
CV 070 =	036	00100100	0x24	CV 150 =	000	00000000	0x00	CV 214 =	000	00000000	0x00
CV 071 =	045	00101101	0x2D	CV 151 =	004	00000100	0x04	CV 215 =	007	00000111	0x07
CV 072 =	054	00110110	0x36	CV 152 =	000	00000000	0x00	CV 216 =	000	00000000	0x00
CV 073 =	063	00111111	0x3F	CV 153 =	000	00000000	0x00	CV 217 =	000	00000000	0x00
CV 074 =	072	01001000	0x48	CV 154 =	032	00100000	0x20	CV 218 =	007	00000111	0x07
CV 075 =	081	01010001	0x51	CV 155 =	001	00000001	0x01	CV 219 =	000	00000000	0x00
CV 076 =	091	01011011	0x5B	CV 156 =	000	00000000	0x00	CV 220 =	000	00000000	0x00
CV 077 =	100	01100100	0x64	CV 157 =	032	00100000	0x20	CV 221 =	008	00001000	0x08
CV 078 =	109	01101101	0x6D	CV 158 =	001	00000001	0x01	CV 222 =	000	00000000	0x00
CV 079 =	118	01110110	0x76	CV 159 =	000	00000000	0x00	CV 223 =	000	00000000	0x00
CV 080 =	127	01111111	0x7F	CV 160 =	032	00100000	0x20	CV 224 =	008	00001000	0x08
CV 081 =	136	10001000	0x88	CV 161 =	002	00000010	0x02	CV 225 =	000	00000000	0x00
CV 082 =	145	10010001	0x91	CV 162 =	000	00000000	0x00	CV 226 =	000	00000000	0x00
CV 083 =	154	10011010	0x9A	CV 163 =	032	00100000	0x20	CV 227 =	009	00001001	0x09
CV 084 =	163	10100011	0xA3	CV 164 =	002	00000010	0x02	CV 228 =	000	00000000	0x00
CV 085 =	173	10101101	0xAD	CV 165 =	004	00000100	0x04	CV 229 =	000	00000000	0x00
CV 086 =	182	10110110	0xB6	CV 166 =	000	00000000	0x00	CV 230 =	009	00001001	0x09
CV 087 =	191	10111111	0xBF	CV 167 =	000	00000000	0x00	CV 231 =	000	00000000	0x00
CV 088 =	200	11001000	0xC8	CV 168 =	004	00000100	0x04	CV 232 =	000	00000000	0x00
CV 089 =	209	11010001	0xD1	CV 169 =	000	00000000	0x00	CV 233 =	000	00000000	0x00
CV 090 =	218	11011010	0xDA	CV 170 =	000	00000000	0x00	CV 234 =	000	00000000	0x00
CV 091 =	227	11100011	0xE3	CV 171 =	000	00000000	0x00	CV 235 =	000	00000000	0x00
CV 092 =	236	11101100	0xEC	CV 172 =	000	00000000	0x00	CV 236 =	000	00000000	0x00
CV 093 =	245	11110101	0xF5	CV 173 =	004	00000100	0x04	CV 249 =	000	00000000	0x00
CV 094 =	255	11111111	0xFF	CV 174 =	000	00000000	0x00	CV 250 =	000	00000000	0x00
CV 095 =	000	00000000	0x00	CV 175 =	000	00000000	0x00	CV 251 =	000	00000000	0x00
CV 105 =	000	00000000	0x00	CV 176 =	004	00000100	0x04	CV 252 =	000	00000000	0x00
CV 106 =	000	00000000	0x00	CV 177 =	000	00000000	0x00	CV 253 =	000	00000000	0x00
CV 112 =	033	00100001	0x21	CV 178 =	003	00000011	0x03	CV 254 =	000	00000000	0x00
CV 113 =	015	00001111	0x0F	CV 179 =	000	00000000	0x00	CV 255 =	000	00000000	0x00

Revision

Date issued:

Sent by:

Customer's feedback date:

Customer's feedback (change requests):

Changes in comparison to the former version:

Approval note added ☐

Production file generated by:

Elmar Heckmann

Date of generating:

09-04-20

Manual generated by:

Manual generated from: