

Type	MS-loco decoder
loco address	3
Manufacturer	Zimo Elektronik (ID=145)
Decoder	MS450 (PLUX22)
Software	4.229
Loader	2.10
decoder id	6.253.55.65
loading code	255.255.255.255
Sound	
Manufacturer	Modelleisenbahn GmbH (formerly Roco)
author	H. Däppen
Sound project number	331
release	0
ZCS-file	P:\Donnees\DONNEES\Train\Zimo\Projets\Ro_78650_Orig.zcs
F0	FO0f, FO1, FO0b, FO2, Analog, Analog, Adv.Map.1 M-key
F1	Analog, Driving sound
F2	Sample 28
F3	Sample 34
F4	Sample 36
F5	Sample 18
F6	RG key, acceleration/deacceleration times disabled
F7	curve squeal
F8	Adv.Map.1 F-key [f:FO6/FO1,b:FO5/FO2]
F9	Switch set 1-2
F10	Sample 22
F11	Sample 35
F12	Light suppression driver cab 2
F13	Light suppression driver cab 1
F14	Mute key inverted
F15	
F16	Dynamic brake
F17	
F18	Sample 16
F19	Sample 8
F20	Sample 33
F21	Sample 27
F22	Sample 15
F23	Sample 12
F24	Sample 9
F25	Sample 24
F26	Volume louder
F27	Volume lower
F28	
FO0f	F0f, Fade in/out [88]
FO0b	F0b, Fade in/out [88]
FO1	F0f, Adv.Map.1 F8, Light suppression driver cab 2
FO2	F0b, Adv.Map.1 F8, Light suppression driver cab 1

FO3	
FO4	
FO5	Adv.Map.1 F8, Fade in/out [88]
FO6	Adv.Map.1 F8, Fade in/out [88]
FO7	
FO8	
FO9	
FO10	
FO11	
FO12	
FO13	
Advanced Mapping block 1	F7 (forward:FO6/FO1 backward:FO5/FO2)
Special Effect FO0f	Fade in/out [88]
Special Effect FO0b	Fade in/out [88]
Special Effect FO5	Fade in/out [88]
Special Effect FO6	Fade in/out [88]
Total volume	65
Driving volume	255
Driving sound function keys	F1
Blow-off function keys	--
Function Sound function keys	always enabled
curve squeal function keys	F7
Sound Function 2	Sample 28 [28]
Sound Function 3	Sample 34 [34]
Sound Function 4	Sample 36 [36]
Sound Function 5	Sample 18 [18]
Sound Function 10	Sample 22 [22]
Sound Function 11	Sample 35 [35]
Sound Function 18	Sample 16 [16]
Sound Function 19	Sample 8 [8]
Sound Function 20	Sample 33 [33]
Sound Function 21	Sample 27 [27]
Sound Function 22	Sample 15 [15]
Sound Function 23	Sample 12 [12]
Sound Function 24	Sample 9 [9]
Sound Function 25	Sample 24 [24]
random sound 1	Sample 22 [22]
Driving sound Brake squeal	Sample 6 [6]
Driving sound Thyristor 1	Sample 29 [29]
Driving sound E-motor	Sample 32 [32]
Driving sound Thyristor 2	Sample 30 [30]
Driving sound E-brake	Sample 17 [17]

CV1-480

CV1	3	CV61	0	CV121	0	CV181	0	CV241	0	CV301	0	CV361	0	CV421	0
CV2	1	CV62	0	CV122	0	CV182	0	CV242	0	CV302	0	CV362	120	CV422	0
CV3	20	CV63	62	CV123	0	CV183	0	CV243	0	CV303	0	CV363	0	CV423	0
CV4	15	CV64	0	CV124	35	CV184	0	CV244	0	CV304	0	CV364	0	CV424	0
CV5	200	CV65	229	CV125	88	CV185	0	CV245	0	CV305	0	CV365	0	CV425	0
CV6	1	CV66	0	CV126	88	CV186	0	CV246	0	CV306	0	CV366	0	CV426	0
CV7	4	CV67	4	CV127	0	CV187	0	CV247	0	CV307	128	CV367	0	CV427	0
CV8	145	CV68	7	CV128	0	CV188	0	CV248	2	CV308	7	CV368	0	CV428	0
CV9	99	CV69	10	CV129	0	CV189	0	CV249	10	CV309	0	CV369	0	CV429	0
CV10	0	CV70	13	CV130	0	CV190	40	CV250	6	CV310	1	CV370	0	CV430	8
CV11	0	CV71	16	CV131	88	CV191	20	CV251	253	CV311	0	CV371	0	CV431	29
CV12	53	CV72	20	CV132	88	CV192	0	CV252	55	CV312	0	CV372	40	CV432	6
CV13	1	CV73	24	CV133	0	CV193	0	CV253	65	CV313	114	CV373	0	CV433	1
CV14	195	CV74	28	CV134	106	CV194	0	CV254	75	CV314	10	CV374	0	CV434	5
CV15	0	CV75	32	CV135	0	CV195	0	CV255	1	CV315	60	CV375	1	CV435	2
CV16	0	CV76	36	CV136	128	CV196	0	CV256	0	CV316	125	CV376	255	CV436	0
CV17	0	CV77	42	CV137	0	CV197	0	CV257	0	CV317	10	CV377	0	CV437	96
CV18	0	CV78	48	CV138	0	CV198	0	CV258	0	CV318	80	CV378	0	CV438	3
CV19	0	CV79	54	CV139	0	CV199	0	CV259	0	CV319	110	CV379	0	CV439	0
CV20	0	CV80	60	CV140	0	CV200	0	CV260	255	CV320	6	CV380	16	CV440	3
CV21	0	CV81	68	CV141	20	CV201	44	CV261	255	CV321	40	CV381	30	CV441	0
CV22	0	CV82	76	CV142	5	CV202	0	CV262	255	CV322	80	CV382	130	CV442	0
CV23	0	CV83	84	CV143	0	CV203	42	CV263	255	CV323	1	CV383	40	CV443	96
CV24	0	CV84	92	CV144	128	CV204	24	CV264	15	CV324	100	CV384	10	CV444	7
CV25	1	CV85	102	CV145	0	CV205	0	CV265	101	CV325	160	CV385	0	CV445	0
CV26	0	CV86	112	CV146	0	CV206	0	CV266	65	CV326	5	CV386	0	CV446	7
CV27	0	CV87	124	CV147	160	CV207	0	CV267	70	CV327	20	CV387	0	CV447	0
CV28	3	CV88	136	CV148	100	CV208	0	CV268	0	CV328	80	CV388	0	CV448	0
CV29	14	CV89	152	CV149	150	CV209	0	CV269	0	CV329	5	CV389	0	CV449	0
CV30	0	CV90	168	CV150	0	CV210	0	CV270	0	CV330	20	CV390	0	CV450	0
CV31	0	CV91	188	CV151	0	CV211	0	CV271	16	CV331	80	CV391	0	CV451	0
CV32	1	CV92	208	CV152	0	CV212	0	CV272	50	CV332	5	CV392	0	CV452	0
CV33	5	CV93	230	CV153	0	CV213	0	CV273	38	CV333	20	CV393	16	CV453	0
CV34	10	CV94	252	CV154	0	CV214	0	CV274	30	CV334	80	CV394	0	CV454	0
CV35	0	CV95	0	CV155	6	CV215	0	CV275	170	CV335	5	CV395	0	CV455	0
CV36	0	CV96	0	CV156	6	CV216	0	CV276	170	CV336	20	CV396	27	CV456	0
CV37	0	CV97	0	CV157	0	CV217	0	CV277	0	CV337	80	CV397	26	CV457	0
CV38	0	CV98	0	CV158	76	CV218	0	CV278	0	CV338	5	CV398	0	CV458	0
CV39	0	CV99	0	CV159	0	CV219	0	CV279	0	CV339	0	CV399	0	CV459	0
CV40	0	CV100	0	CV160	0	CV220	0	CV280	0	CV340	0	CV400	0	CV460	0
CV41	0	CV101	0	CV161	0	CV221	0	CV281	1	CV341	0	CV401	0	CV461	0
CV42	0	CV102	0	CV162	49	CV222	0	CV282	50	CV342	0	CV402	0	CV462	0
CV43	0	CV103	0	CV163	205	CV223	0	CV283	170	CV343	0	CV403	0	CV463	0
CV44	0	CV104	0	CV164	127	CV224	0	CV284	1	CV344	20	CV404	0	CV464	0
CV45	0	CV105	161	CV165	10	CV225	0	CV285	50	CV345	9	CV405	0	CV465	0
CV46	0	CV106	1	CV166	49	CV226	0	CV286	170	CV346	0	CV406	0	CV466	0
CV47	0	CV107	77	CV167	205	CV227	0	CV287	60	CV347	0	CV407	0	CV467	0
CV48	0	CV108	44	CV168	127	CV228	0	CV288	50	CV348	0	CV408	0	CV468	0
CV49	0	CV109	0	CV169	10	CV229	0	CV289	10	CV349	0	CV409	0	CV469	0
CV50	0	CV110	0	CV170	49	CV230	0	CV290	20	CV350	0	CV410	0	CV470	0
CV51	20	CV111	0	CV171	205	CV231	0	CV291	80	CV351	128	CV411	0	CV471	0
CV52	40	CV112	64	CV172	127	CV232	0	CV292	50	CV352	255	CV412	0	CV472	0
CV53	70	CV113	0	CV173	10	CV233	0	CV293	200	CV353	0	CV413	0	CV473	0
CV54	110	CV114	0	CV174	49	CV234	0	CV294	200	CV354	0	CV414	0	CV474	0
CV55	180	CV115	0	CV175	205	CV235	0	CV295	160	CV355	0	CV415	0	CV475	0
CV56	0	CV116	0	CV176	127	CV236	0	CV296	40	CV356	0	CV416	0	CV476	0
CV57	120	CV117	0	CV177	10	CV237	0	CV297	10	CV357	180	CV417	0	CV477	0
CV58	255	CV118	0	CV178	0	CV238	0	CV298	50	CV358	1	CV418	0	CV478	0
CV59	5	CV119	0	CV179	0	CV239	0	CV299	110	CV359	0	CV419	0	CV479	0
CV60	0	CV120	0	CV180	0	CV240	0	CV300	0	CV360	0	CV420	0	CV480	0

CV481-889

CV481	0	CV541	91	CV601	17	CV661	0	CV721	0	CV781	0	CV841	0
CV482	0	CV542	8	CV602	64	CV662	0	CV722	0	CV782	0	CV842	8
CV483	0	CV543	35	CV603	13	CV663	0	CV723	0	CV783	0	CV843	0
CV484	0	CV544	0	CV604	91	CV664	0	CV724	0	CV784	0	CV844	0
CV485	0	CV545	0	CV605	0	CV665	0	CV725	0	CV785	0	CV845	0
CV486	0	CV546	0	CV606	0	CV666	0	CV726	0	CV786	0	CV846	0
CV487	0	CV547	0	CV607	0	CV667	0	CV727	0	CV787	0	CV847	0
CV488	0	CV548	0	CV608	0	CV668	0	CV728	0	CV788	0	CV848	0
CV489	0	CV549	0	CV609	0	CV669	0	CV729	0	CV789	0	CV849	0
CV490	0	CV550	0	CV610	0	CV670	0	CV730	0	CV790	0	CV850	0
CV491	0	CV551	0	CV611	0	CV671	0	CV731	0	CV791	0	CV851	0
CV492	0	CV552	0	CV612	0	CV672	0	CV732	0	CV792	0	CV852	0
CV493	0	CV553	0	CV613	0	CV673	33	CV733	0	CV793	0	CV853	0
CV494	0	CV554	0	CV614	0	CV674	0	CV734	0	CV794	0	CV854	0
CV495	0	CV555	0	CV615	0	CV675	0	CV735	0	CV795	0	CV855	0
CV496	0	CV556	0	CV616	0	CV676	27	CV736	0	CV796	0	CV856	0
CV497	0	CV557	0	CV617	0	CV677	91	CV737	0	CV797	0	CV857	0
CV498	0	CV558	0	CV618	0	CV678	8	CV738	0	CV798	0	CV858	0
CV499	0	CV559	0	CV619	0	CV679	15	CV739	0	CV799	0	CV859	0
CV500	0	CV560	0	CV620	0	CV680	64	CV740	0	CV800	0	CV860	0
CV501	0	CV561	0	CV621	0	CV681	0	CV741	0	CV801	0	CV861	0
CV502	0	CV562	0	CV622	0	CV682	12	CV742	0	CV802	0	CV862	0
CV503	0	CV563	0	CV623	0	CV683	0	CV743	0	CV803	0	CV863	0
CV504	0	CV564	16	CV624	0	CV684	0	CV744	22	CV804	0	CV864	0
CV505	0	CV565	0	CV625	0	CV685	9	CV745	91	CV805	0	CV865	0
CV506	0	CV566	64	CV626	0	CV686	91	CV746	8	CV806	0	CV866	0
CV507	0	CV567	8	CV627	0	CV687	8	CV747	0	CV807	0	CV867	0
CV508	248	CV568	0	CV628	0	CV688	24	CV748	0	CV808	0	CV868	0
CV509	248	CV569	64	CV629	0	CV689	64	CV749	0	CV809	0	CV869	0
CV510	248	CV570	0	CV630	0	CV690	8	CV750	0	CV810	0	CV870	0
CV511	248	CV571	0	CV631	0	CV691	0	CV751	0	CV811	0	CV871	0
CV512	248	CV572	0	CV632	0	CV692	0	CV752	0	CV812	0	CV872	0
CV513	0	CV573	0	CV633	0	CV693	0	CV753	0	CV813	0	CV873	0
CV514	0	CV574	0	CV634	0	CV694	0	CV754	0	CV814	0	CV874	0
CV515	0	CV575	0	CV635	0	CV695	0	CV755	0	CV815	0	CV875	0
CV516	28	CV576	0	CV636	0	CV696	0	CV756	0	CV816	0	CV876	0
CV517	0	CV577	6	CV637	0	CV697	0	CV757	0	CV817	0	CV877	0
CV518	0	CV578	128	CV638	0	CV698	0	CV758	0	CV818	0	CV878	0
CV519	34	CV579	29	CV639	0	CV699	0	CV759	0	CV819	0	CV879	0
CV520	0	CV580	0	CV640	0	CV700	0	CV760	0	CV820	0	CV880	0
CV521	0	CV581	0	CV641	0	CV701	0	CV761	0	CV821	0	CV881	0
CV522	36	CV582	0	CV642	0	CV702	0	CV762	0	CV822	0	CV882	0
CV523	181	CV583	0	CV643	0	CV703	0	CV763	0	CV823	0	CV883	0
CV524	0	CV584	0	CV644	0	CV704	0	CV764	0	CV824	0	CV884	0
CV525	18	CV585	32	CV645	0	CV705	0	CV765	0	CV825	0	CV885	0
CV526	128	CV586	0	CV646	0	CV706	0	CV766	0	CV826	0	CV886	0
CV527	8	CV587	0	CV647	0	CV707	0	CV767	0	CV827	0	CV887	0
CV528	0	CV588	0	CV648	0	CV708	0	CV768	32	CV828	0	CV888	0
CV529	0	CV589	0	CV649	0	CV709	0	CV769	1	CV829	0	CV889	0
CV530	0	CV590	0	CV650	0	CV710	0	CV770	127	CV830	0		
CV531	0	CV591	30	CV651	0	CV711	0	CV771	127	CV831	0		
CV532	0	CV592	0	CV652	0	CV712	0	CV772	127	CV832	0		
CV533	0	CV593	0	CV653	0	CV713	0	CV773	127	CV833	0		
CV534	0	CV594	0	CV654	0	CV714	0	CV774	1	CV834	0		
CV535	0	CV595	0	CV655	0	CV715	0	CV775	42	CV835	0		
CV536	0	CV596	0	CV656	0	CV716	0	CV776	26	CV836	0		
CV537	0	CV597	0	CV657	0	CV717	0	CV777	0	CV837	0		
CV538	0	CV598	0	CV658	0	CV718	0	CV778	0	CV838	200		
CV539	0	CV599	0	CV659	0	CV719	0	CV779	0	CV839	0		
CV540	22	CV600	0	CV660	0	CV720	0	CV780	0	CV840	0		

CV257	0	CV317	0	CV377	0	CV437	0	CV497	0
CV258	0	CV318	0	CV378	0	CV438	0	CV498	0
CV259	0	CV319	0	CV379	0	CV439	0	CV499	0
CV260	0	CV320	0	CV380	0	CV440	0	CV500	0
CV261	0	CV321	0	CV381	0	CV441	0	CV501	0
CV262	0	CV322	0	CV382	0	CV442	0	CV502	0
CV263	0	CV323	0	CV383	0	CV443	0	CV503	0
CV264	0	CV324	0	CV384	0	CV444	0	CV504	0
CV265	0	CV325	0	CV385	0	CV445	0	CV505	0
CV266	0	CV326	0	CV386	0	CV446	0	CV506	0
CV267	0	CV327	0	CV387	0	CV447	0	CV507	0
CV268	0	CV328	0	CV388	0	CV448	0	CV508	0
CV269	0	CV329	0	CV389	0	CV449	0	CV509	0
CV270	0	CV330	0	CV390	0	CV450	0	CV510	0
CV271	0	CV331	0	CV391	0	CV451	0	CV511	0
CV272	0	CV332	0	CV392	0	CV452	0	CV512	0
CV273	0	CV333	0	CV393	0	CV453	0	CV513	0
CV274	0	CV334	0	CV394	0	CV454	0		
CV275	0	CV335	0	CV395	0	CV455	0		
CV276	0	CV336	0	CV396	0	CV456	0		
CV277	0	CV337	0	CV397	0	CV457	0		
CV278	0	CV338	0	CV398	0	CV458	0		
CV279	0	CV339	0	CV399	0	CV459	0		
CV280	0	CV340	0	CV400	0	CV460	0		
CV281	0	CV341	0	CV401	0	CV461	0		
CV282	0	CV342	0	CV402	0	CV462	0		
CV283	0	CV343	0	CV403	0	CV463	0		
CV284	0	CV344	0	CV404	0	CV464	0		
CV285	0	CV345	0	CV405	0	CV465	0		
CV286	0	CV346	0	CV406	0	CV466	0		
CV287	0	CV347	0	CV407	0	CV467	0		
CV288	0	CV348	0	CV408	0	CV468	0		
CV289	0	CV349	0	CV409	0	CV469	0		
CV290	0	CV350	0	CV410	0	CV470	0		
CV291	0	CV351	0	CV411	0	CV471	0		
CV292	0	CV352	0	CV412	0	CV472	0		
CV293	0	CV353	0	CV413	0	CV473	0		
CV294	0	CV354	0	CV414	0	CV474	0		
CV295	0	CV355	0	CV415	0	CV475	0		
CV296	0	CV356	0	CV416	0	CV476	0		
CV297	0	CV357	0	CV417	0	CV477	0		
CV298	0	CV358	0	CV418	0	CV478	0		
CV299	0	CV359	0	CV419	0	CV479	0		
CV300	0	CV360	0	CV420	0	CV480	0		
CV301	0	CV361	0	CV421	0	CV481	0		
CV302	0	CV362	0	CV422	0	CV482	0		
CV303	0	CV363	0	CV423	0	CV483	0		
CV304	0	CV364	0	CV424	0	CV484	0		
CV305	0	CV365	0	CV425	0	CV485	0		
CV306	0	CV366	0	CV426	0	CV486	0		
CV307	0	CV367	0	CV427	0	CV487	0		
CV308	0	CV368	0	CV428	0	CV488	0		
CV309	0	CV369	0	CV429	0	CV489	0		
CV310	0	CV370	0	CV430	0	CV490	0		
CV311	0	CV371	0	CV431	0	CV491	0		
CV312	0	CV372	0	CV432	0	CV492	0		
CV313	0	CV373	0	CV433	0	CV493	0		
CV314	0	CV374	0	CV434	0	CV494	0		
CV315	0	CV375	0	CV435	0	CV495	0		
CV316	0	CV376	0	CV436	0	CV496	0		

CV257	0	CV317	0	CV377	0	CV437	0	CV497	0
CV258	0	CV318	0	CV378	0	CV438	0	CV498	0
CV259	0	CV319	0	CV379	0	CV439	0	CV499	0
CV260	0	CV320	0	CV380	0	CV440	0	CV500	0
CV261	0	CV321	0	CV381	0	CV441	0	CV501	0
CV262	0	CV322	0	CV382	0	CV442	0	CV502	0
CV263	0	CV323	0	CV383	0	CV443	0	CV503	0
CV264	0	CV324	0	CV384	0	CV444	0	CV504	0
CV265	0	CV325	0	CV385	0	CV445	0	CV505	0
CV266	0	CV326	0	CV386	0	CV446	0	CV506	0
CV267	0	CV327	0	CV387	0	CV447	0	CV507	0
CV268	0	CV328	0	CV388	0	CV448	0	CV508	0
CV269	0	CV329	0	CV389	0	CV449	0	CV509	0
CV270	0	CV330	0	CV390	0	CV450	0	CV510	0
CV271	0	CV331	0	CV391	0	CV451	0	CV511	0
CV272	0	CV332	0	CV392	0	CV452	0	CV512	0
CV273	0	CV333	0	CV393	0	CV453	0	CV513	0
CV274	0	CV334	0	CV394	0	CV454	0		
CV275	0	CV335	0	CV395	0	CV455	0		
CV276	0	CV336	0	CV396	0	CV456	0		
CV277	0	CV337	0	CV397	0	CV457	0		
CV278	0	CV338	0	CV398	0	CV458	0		
CV279	0	CV339	0	CV399	0	CV459	0		
CV280	0	CV340	0	CV400	0	CV460	0		
CV281	0	CV341	0	CV401	0	CV461	0		
CV282	0	CV342	0	CV402	0	CV462	0		
CV283	0	CV343	0	CV403	0	CV463	0		
CV284	0	CV344	0	CV404	0	CV464	0		
CV285	0	CV345	0	CV405	0	CV465	0		
CV286	0	CV346	0	CV406	0	CV466	0		
CV287	0	CV347	0	CV407	0	CV467	0		
CV288	0	CV348	0	CV408	0	CV468	0		
CV289	0	CV349	0	CV409	0	CV469	0		
CV290	0	CV350	0	CV410	0	CV470	0		
CV291	0	CV351	0	CV411	0	CV471	0		
CV292	0	CV352	0	CV412	0	CV472	0		
CV293	0	CV353	0	CV413	0	CV473	0		
CV294	0	CV354	0	CV414	0	CV474	0		
CV295	0	CV355	0	CV415	0	CV475	0		
CV296	0	CV356	0	CV416	0	CV476	0		
CV297	0	CV357	0	CV417	0	CV477	0		
CV298	0	CV358	0	CV418	0	CV478	0		
CV299	0	CV359	0	CV419	0	CV479	0		
CV300	0	CV360	0	CV420	0	CV480	0		
CV301	0	CV361	0	CV421	0	CV481	0		
CV302	0	CV362	0	CV422	0	CV482	0		
CV303	0	CV363	0	CV423	0	CV483	0		
CV304	0	CV364	0	CV424	0	CV484	0		
CV305	0	CV365	0	CV425	0	CV485	0		
CV306	0	CV366	0	CV426	0	CV486	0		
CV307	0	CV367	0	CV427	0	CV487	0		
CV308	0	CV368	0	CV428	0	CV488	0		
CV309	0	CV369	0	CV429	0	CV489	0		
CV310	0	CV370	0	CV430	0	CV490	0		
CV311	0	CV371	0	CV431	0	CV491	0		
CV312	0	CV372	0	CV432	0	CV492	0		
CV313	0	CV373	0	CV433	0	CV493	0		
CV314	0	CV374	0	CV434	0	CV494	0		
CV315	0	CV375	0	CV435	0	CV495	0		
CV316	0	CV376	0	CV436	0	CV496	0		

CV1-120

CV1	3	Loco address	CV61	0	ZIMO extended mapping (without left-sh)
CV2	1	Start voltage (minimum speed)	CV62	0	afterglow brake light
CV3	20	Acceleration time	CV63	62	Modifications of lighting effects
CV4	15	Braking time (deceleration)	CV64	0	Ditchlight modification
CV5	200	Top speed	CV65	229	Sub-version number
CV6	1	Medium speed	CV66	0	Directional speed trimming forwards
CV7	4	SW version number	CV67	4	Individual Speed Value 1
CV8	145	Manufacturer ID	CV68	7	Individual Speed Value 2
CV9	99	Motor controlperiod or frequency (0-99:high f..	CV69	10	Individual Speed Value 3
CV10	0	Motorola subsequent addresses	CV70	13	Individual Speed Value 4
CV11	0	n.a.	CV71	16	Individual Speed Value 5
CV12	53	Possible operating modes (0 = all modes en..	CV72	20	Individual Speed Value 6
CV13	1	Analog functions F1-F8	CV73	24	Individual Speed Value 7
CV14	195	Analog functions F0,F9-F12	CV74	28	Individual Speed Value 8
CV15	0	Decoder Lock	CV75	32	Individual Speed Value 9
CV16	0	Decoder Lock	CV76	36	Individual Speed Value 10
CV17	0	Extended address high	CV77	42	Individual Speed Value 11
CV18	0	Extended address low	CV78	48	Individual Speed Value 12
CV19	0	Consist address low	CV79	54	Individual Speed Value 13
CV20	0	Consist address high	CV80	60	Individual Speed Value 14
CV21	0	Consist function F1-F8	CV81	68	Individual Speed Value 15
CV22	0	Consist function F0,F9-F12	CV82	76	Individual Speed Value 16
CV23	0	Acceleration variation	CV83	84	Individual Speed Value 17
CV24	0	Deceleration variation	CV84	92	Individual Speed Value 18
CV25	1	n.a.	CV85	102	Individual Speed Value 19
CV26	0	n.a.	CV86	112	Individual Speed Value 20
CV27	0	Asymmetrical stops (ABC)	CV87	124	Individual Speed Value 21
CV28	3	RailCom configuration	CV88	136	Individual Speed Value 22
CV29	14	Basic configuration	CV89	152	Individual Speed Value 23
CV30	0	Self-test	CV90	168	Individual Speed Value 24
CV31	0	Index page high	CV91	188	Individual Speed Value 25
CV32	1	Index page low	CV92	208	Individual Speed Value 26
CV33	5	Function mapping F0f	CV93	230	Individual Speed Value 27
CV34	10	Function mapping F0b	CV94	252	Individual Speed Value 28
CV35	0	Function mapping F1	CV95	0	Directional speed trimming backwards
CV36	0	Function mapping F2	CV96	0	n.a.
CV37	0	Function mapping F3	CV97	0	Change between individual and consist addr..
CV38	0	Function mapping F4	CV98	0	n.a.
CV39	0	Function mapping F5	CV99	0	n.a.
CV40	0	Function mapping F6	CV100	0	n.a.
CV41	0	Function mapping F7	CV101	0	n.a.
CV42	0	Function mapping F8	CV102	0	n.a.
CV43	0	Function mapping F9	CV103	0	n.a.
CV44	0	Function mapping F10	CV104	0	n.a.
CV45	0	Function mapping F11	CV105	161	Sound producer
CV46	0	Function mapping F12	CV106	1	Sound producer
CV47	0	n.a.	CV107	77	Light suppression on cab side 1 (front)
CV48	0	n.a.	CV108	44	Light suppression on cab side 2 (rear)
CV49	0	Signal controlled acceleration (HLU,ABC)	CV109	0	Light suppression on cab side 1 output
CV50	0	Signal controlled braking distance (HLU,ABC)	CV110	0	Light suppression on cab side 2 output
CV51	20	Signal controlled speed limits (HLU)	CV111	0	Emergency stop delay time
CV52	40	Signal controlled speed limits (U)	CV112	64	ZIMO configuration bits
CV53	70	Signal controlled speed limits (UL)	CV113	0	n.a.
CV54	110	Signal controlled speed limits (L)	CV114	0	Dim mask FO0-FO6
CV55	180	Signal controlled speed limits (LF)	CV115	0	Uncoupler control activation time
CV56	0	P and I value for PID motor regulation	CV116	0	Automatic disengagement during uncoupling
CV57	120	Motor regulation: voltage reference	CV117	0	Flashing function (tens: ON, ones: OFF)
CV58	255	Motor regulation: BEMF intensity	CV118	0	Flashing mask outputs
CV59	5	HLU delay	CV119	0	F6 low beam mask FO0-FO4
CV60	0	Dimming general	CV120	0	F7 low beam mask FO0-FO4

CV121-240

CV121	0	n.a.	CV181	0	Servo 1 - Function Assignment
CV122	0	n.a.	CV182	0	Servo 2 - Function Assignment
CV123	0	Adaptive acceleration and deceleration mom..	CV183	0	Servo 3 - Function Assignment
CV124	35	Shunting key configuration	CV184	0	Servo 4 - Function Assignment
CV125	88	Effects F0 front	CV185	0	Servo for live steam
CV126	88	Effects F0 rear	CV186	0	Panto 1
CV127	0	Effects F1	CV187	0	Panto 2
CV128	0	Effects F2	CV188	0	Panto 3
CV129	0	Effects F3	CV189	0	Panto 4
CV130	0	Effects F4	CV190	40	Brighting-up time for effects
CV131	88	Effects F5	CV191	20	Dimming time for effects
CV132	88	Effects F6	CV192	0	Value for effect dimming
CV133	0	FO4 for exhaust fan	CV193	0	ABC - commuting with stopping times in reve..
CV134	106	Asymmetry stopping (ABC)	CV194	0	ABC - commuting with additional pit stops
CV135	0	n.a.	CV195	0	Effects F9
CV136	128	RailCom display factor	CV196	0	Effects F10
CV137	0	Smoke generator at standstill	CV197	0	Effects F11
CV138	0	Smoke generator at cruising speed	CV198	0	Effects F12
CV139	0	Smoke generator at accelaration	CV199	0	Effects F13
CV140	0	Distance controlled stopping configuration	CV200	0	
CV141	20	Distance controlled stopping braking distance	CV201	44	SUSI 1 configuration
CV142	5	n.a.	CV202	0	SUSI 2 configuration (large scale decoder)
CV143	0	Distance controlled stopping braking distanc..	CV203	42	Input 1 and Input 2
CV144	128	n.a.	CV204	24	Input 3 and Input 4
CV145	0	n.a.	CV205	0	n.a.
CV146	0	Gear backlash	CV206	0	n.a.
CV147	160	Integral value of the PID-motor regulation	CV207	0	n.a.
CV148	100	Differential value of the PID-motor regulation	CV208	0	n.a.
CV149	150	Proportional value of the PID-motor regulation	CV209	0	n.a.
CV150	0	n.a.	CV210	0	n.a.
CV151	0	Motor regulation motor brake	CV211	0	n.a.
CV152	0	Dim mask FO7-FO12	CV212	0	n.a.
CV153	0	Continue without signal	CV213	0	n.a.
CV154	0	ZIMO configuration bits 2	CV214	0	n.a.
CV155	6	Half-speed key	CV215	0	n.a.
CV156	6	Shunting key acceleration/deceleration	CV216	0	n.a.
CV157	0	MAN key	CV217	0	n.a.
CV158	76	ZIMO configuration bits 3	CV218	0	n.a.
CV159	0	Effects F7	CV219	0	n.a.
CV160	0	Effects F8	CV220	0	n.a.
CV161	0	Servo Protocol	CV221	0	n.a.
CV162	49	Servo 1 left stop	CV222	0	n.a.
CV163	205	Servo 1 right stop	CV223	0	n.a.
CV164	127	Servo 1 center stop	CV224	0	n.a.
CV165	10	Servo 1 speed	CV225	0	n.a.
CV166	49	Servo 2 left stop	CV226	0	n.a.
CV167	205	Servo 2 right stop	CV227	0	n.a.
CV168	127	Servo 2 center stop	CV228	0	n.a.
CV169	10	Servo 2 speed	CV229	0	n.a.
CV170	49	Servo 3 left stop	CV230	0	n.a.
CV171	205	Servo 3 right stop	CV231	0	n.a.
CV172	127	Servo 3 center stop	CV232	0	n.a.
CV173	10	Servo 3 speed	CV233	0	n.a.
CV174	49	Servo 4 left stop	CV234	0	n.a.
CV175	205	Servo 4 right stop	CV235	0	n.a.
CV176	127	Servo 4 center stop	CV236	0	n.a.
CV177	10	Servo 4 speed	CV237	0	n.a.
CV178	0	panto post-pulse oscillation (0=off,50=typical)	CV238	0	n.a.
CV179	0	n.a.	CV239	0	n.a.
CV180	0	n.a.	CV240	0	n.a.

CV241-360

CV241	0	n.a.	CV301	0	n.a.
CV242	0	n.a.	CV302	0	Start measuring drive
CV243	0	n.a.	CV303	0	n.a.
CV244	0	n.a.	CV304	0	n.a.
CV245	0	n.a.	CV305	0	n.a.
CV246	0	n.a.	CV306	0	n.a.
CV247	0	n.a.	CV307	128	Cornering squeals order
CV248	2	Bootloader version	CV308	7	Brake squeal-key
CV249	10	Bootloader subversion	CV309	0	Brake key
CV250	6	Decoder-ID 1	CV310	1	ON/OFF key for driving sound volume and ra..
CV251	253	Decoder-ID 2	CV311	0	ON/OFF key for function sounds
CV252	55	Decoder-ID 3	CV312	0	Blow-off key
CV253	65	Decoder-ID 4	CV313	114	Mute button
CV254	75	Sound project number	CV314	10	Mute fade time [0.1s]
CV255	1	Sound project number	CV315	60	Random generator Z1 minimal interval
CV256	0	Version number of the sound project	CV316	125	Random generator Z1 highest interval
CV257	0	n.a.	CV317	10	Random generator Z1 duration of playback [s]
CV258	0	n.a.	CV318	80	Random generator Z2 minimal interval
CV259	0	n.a.	CV319	110	Random generator Z2 highest interval
CV260	255	Loading code 1	CV320	6	Random generator Z3 duration of playback [s]
CV261	255	Loading code 2	CV321	40	Random generator Z3 minimal interval
CV262	255	Loading code 3	CV322	80	Random generator Z3 highest interval
CV263	255	Loading code 4	CV323	1	Random generator Z3 duration of playback [s]
CV264	15	Variable low voltage (large scale and special..	CV324	100	Random generator Z4 minimal interval
CV265	101	Selection of the loco type	CV325	160	Random generator Z4 highest interval
CV266	65	Total volume	CV326	5	Random generator Z4 duration of playback [s]
CV267	70	Chuff sound rate	CV327	20	Random generator Z5 minimal interval
CV268	0	Chuff sound real cam sensor	CV328	80	Random generator Z5 highest interval
CV269	0	Steam, accented lead-chuff	CV329	5	Random generator Z5 duration of playback [s]
CV270	0	n.a.	CV330	20	Random generator Z6 minimal interval
CV271	16	Overlapping chuff beats	CV331	80	Random generator Z6 highest interval
CV272	50	Blow-off duration [0.1s]	CV332	5	Random generator Z6 duration of playback [s]
CV273	38	Blow-off start-up delay	CV333	20	Random generator Z7 minimal interval
CV274	30	Blow-off standstill [0.1s]	CV334	80	Random generator Z7 highest interval
CV275	170	Volume with no load slow travel	CV335	5	Random generator Z7 duration of playback [s]
CV276	170	Volume with no load speed run	CV336	20	Random generator Z8 minimal interval
CV277	0	Volume load dependent	CV337	80	Random generator Z8 highest interval
CV278	0	Load change threshold	CV338	5	Random generator Z8 duration of playback [s]
CV279	0	Load change response time	CV339	0	Key for raising of diesel sound step
CV280	0	Diesel engine load dependency	CV340	0	Diesel sound step, to which is to be raised
CV281	1	n.a.	CV341	0	Switch input 1 duration of playback [s]
CV282	50	n.a.	CV342	0	Switch input 2 duration of playback [s]
CV283	170	Volume at full acceleration	CV343	0	Switch input 3 duration of playback [s]
CV284	1	Threshold for noise reduction in delay	CV344	20	Run time of motor sounds
CV285	50	Duration of the noise reduction with delay [0.1s]	CV345	9	Sound-set-switch-key
CV286	170	Volume reduced driving noise during deceler..	CV346	0	Sound-set-switch-conditions
CV287	60	Threshold for brake squeal	CV347	0	Solo driving
CV288	50	Brake squeal time spent driving [0.1s]	CV348	0	Solo driving parameters
CV289	10	Thyristor stepping effect	CV349	0	Braking time for brake key
CV290	20	Thyristor sound slow pitch increase	CV350	0	Tap changer lockout [0.1s]
CV291	80	Thyristor sound maximum pitch	CV351	128	Smoke fan pwm at constant speed
CV292	50	Thyristor sound slow pitch	CV352	255	Smoke fan pwm at acceleration
CV293	200	Thyristor sound steady pitch	CV353	0	Smoke heater max. operating time [25s]
CV294	200	Thyristor volume during acceleration	CV354	0	Steam chuff requery at offset
CV295	160	Thyristor Volume at delay trip	CV355	0	Exhaust fan speed at standstill
CV296	40	Electric motor volume	CV356	0	Speed Lock Key
CV297	10	Electric motor minimum load	CV357	180	Thyristor control/volume reduction
CV298	50	Electric motor volume speed dependency	CV358	1	Thyristor volume reduction curve
CV299	110	Electric motor pitch (frequency) speed depen..	CV359	0	Tap changer hight limit/loop time
CV300	0	n.a.	CV360	0	Tap changer after stop

CV361-480

CV361	0	Tap changer wainig time [0.1s]	CV421	0	ZIMO Input Mapping F21
CV362	120	Thyristor threshold 2nd sample	CV422	0	ZIMO Input Mapping F22
CV363	0	Tap changer number of steps	CV423	0	ZIMO Input Mapping F23
CV364	0	Diesel-mechanical min. RPM	CV424	0	ZIMO Input Mapping F24
CV365	0	Diesel-mechanical max. volume	CV425	0	ZIMO Input Mapping F25
CV366	0	Turbo max. volume	CV426	0	ZIMO Input Mapping F26
CV367	0	Turbo dependency on speed	CV427	0	ZIMO Input Mapping F27
CV368	0	Turbo dependency on acceleration	CV428	0	ZIMO Input Mapping F28
CV369	0	Minimum load for turbo	CV429	0	n. a.
CV370	0	Turbo frequency increase	CV430	8	ZIMO Mapping 1 F-key
CV371	0	Turbo frequency decrease	CV431	29	ZIMO Mapping 1 M-key
CV372	40	Electromotor volume acceleration	CV432	6	ZIMO Mapping 1 A1 forw.
CV373	0	Electromotor volume deceleration	CV433	1	ZIMO Mapping 1 A2 forw.
CV374	0	Raising key	CV434	5	ZIMO Mapping 1 A1 rev.
CV375	1	Raising step	CV435	2	ZIMO Mapping 1 A2 rev.
CV376	255	Driving sound volume	CV436	0	ZIMO Mapping 2 F-key
CV377	0	n.a.	CV437	96	ZIMO Mapping 2 M-key
CV378	0	Acceleration tap changer sparks	CV438	3	ZIMO Mapping 2 A1 forw.
CV379	0	Deceleration tap changer sparks	CV439	0	ZIMO Mapping 2 A2 forw.
CV380	16	Electrical brake key	CV440	3	ZIMO Mapping 2 A1 rev.
CV381	30	Electrical brake minimum speed	CV441	0	ZIMO Mapping 2 A2 rev.
CV382	130	Electrical brake maximum speed	CV442	0	ZIMO Mapping 3 F-key
CV383	40	Electrical brake pitch	CV443	96	ZIMO Mapping 3 M-key
CV384	10	Electrical brake threshold	CV444	7	ZIMO Mapping 3 A1 forw.
CV385	0	Electrical brake downhill	CV445	0	ZIMO Mapping 3 A2 forw.
CV386	0	Electrical brake loop	CV446	7	ZIMO Mapping 3 A1 rev.
CV387	0	Diesel - acceleration influence	CV447	0	ZIMO Mapping 3 A2 rev.
CV388	0	Diesel - deceleration influence	CV448	0	ZIMO Mapping 4 F-key
CV389	0	Diesel - acceleration limit	CV449	0	ZIMO Mapping 4 M-key
CV390	0	Solo drive reduction of CV3/CV4	CV450	0	ZIMO Mapping 4 A1 forw.
CV391	0	Solo drive raise threshold	CV451	0	ZIMO Mapping 4 A2 forw.
CV392	0	Switch input 4 play time [s]	CV452	0	ZIMO Mapping 4 A1 rev.
CV393	16	ZIMO configuration 5	CV453	0	ZIMO Mapping 4 A2 rev.
CV394	0	ZIMO configuration 4	CV454	0	ZIMO Mapping 5 F-key
CV395	0	Maximum volume for volume increase key	CV455	0	ZIMO Mapping 5 M-key
CV396	27	Volume decrease key	CV456	0	ZIMO Mapping 5 A1 forw.
CV397	26	Volume increase key	CV457	0	ZIMO Mapping 5 A2 forw.
CV398	0	Steps to trigger automatic coasting	CV458	0	ZIMO Mapping 5 A1 rev.
CV399	0	Rule 17, Speed dependent headlights	CV459	0	ZIMO Mapping 5 A2 rev.
CV400	0	ZIMO Input Mapping F0	CV460	0	ZIMO Mapping 6 F-key
CV401	0	ZIMO Input Mapping F1	CV461	0	ZIMO Mapping 6 M-key
CV402	0	ZIMO Input Mapping F2	CV462	0	ZIMO Mapping 6 A1 forw.
CV403	0	ZIMO Input Mapping F3	CV463	0	ZIMO Mapping 6 A2 forw.
CV404	0	ZIMO Input Mapping F4	CV464	0	ZIMO Mapping 6 A1 rev.
CV405	0	ZIMO Input Mapping F5	CV465	0	ZIMO Mapping 6 A2 rev.
CV406	0	ZIMO Input Mapping F6	CV466	0	ZIMO Mapping 7 F-key
CV407	0	ZIMO Input Mapping F7	CV467	0	ZIMO Mapping 7 M-key
CV408	0	ZIMO Input Mapping F8	CV468	0	ZIMO Mapping 7 A1 forw.
CV409	0	ZIMO Input Mapping F9	CV469	0	ZIMO Mapping 7 A2 forw.
CV410	0	ZIMO Input Mapping F10	CV470	0	ZIMO Mapping 7 A1 rev.
CV411	0	ZIMO Input Mapping F11	CV471	0	ZIMO Mapping 7 A2 rev.
CV412	0	ZIMO Input Mapping F12	CV472	0	ZIMO Mapping 8 F-key
CV413	0	ZIMO Input Mapping F13	CV473	0	ZIMO Mapping 8 M-key
CV414	0	ZIMO Input Mapping F14	CV474	0	ZIMO Mapping 8 A1 forw.
CV415	0	ZIMO Input Mapping F15	CV475	0	ZIMO Mapping 8 A2 forw.
CV416	0	ZIMO Input Mapping F16	CV476	0	ZIMO Mapping 8 A1 rev.
CV417	0	ZIMO Input Mapping F17	CV477	0	ZIMO Mapping 8 A2 rev.
CV418	0	ZIMO Input Mapping F18	CV478	0	ZIMO Mapping 9 F-key
CV419	0	ZIMO Input Mapping F19	CV479	0	ZIMO Mapping 9 M-key
CV420	0	ZIMO Input Mapping F20	CV480	0	ZIMO Mapping 9 A1 forw.

CV481-600

CV481	0	ZIMO Mapping 9 A2 forw.	CV541	91	F10 volume
CV482	0	ZIMO Mapping 9 A1 rev.	CV542	8	F10 information on loop
CV483	0	ZIMO Mapping 9 A2 rev.	CV543	35	F11 sound number
CV484	0	ZIMO Mapping 10 F-key	CV544	0	F11 volume
CV485	0	ZIMO Mapping 10 M-key	CV545	0	F11 information on loop
CV486	0	ZIMO Mapping 10 A1 forw.	CV546	0	F12 sound number
CV487	0	ZIMO Mapping 10 A2 forw.	CV547	0	F12 volume
CV488	0	ZIMO Mapping 10 A1 rev.	CV548	0	F12 information on loop
CV489	0	ZIMO Mapping 10 A2 rev.	CV549	0	F13 sound number
CV490	0	ZIMO Mapping 11 F-key	CV550	0	F13 volume
CV491	0	ZIMO Mapping 11 M-key	CV551	0	F13 information on loop
CV492	0	ZIMO Mapping 11 A1 forw.	CV552	0	F14 sound number
CV493	0	ZIMO Mapping 11 A2 forw.	CV553	0	F14 volume
CV494	0	ZIMO Mapping 11 A1 rev.	CV554	0	F14 information on loop
CV495	0	ZIMO Mapping 11 A2 rev.	CV555	0	F15 sound number
CV496	0	ZIMO Mapping 12 F-key	CV556	0	F15 volume
CV497	0	ZIMO Mapping 12 M-key	CV557	0	F15 information on loop
CV498	0	ZIMO Mapping 12 A1 forw.	CV558	0	F16 sound number
CV499	0	ZIMO Mapping 12 A2 forw.	CV559	0	F16 volume
CV500	0	ZIMO Mapping 12 A1 rev.	CV560	0	F16 information on loop
CV501	0	ZIMO Mapping 12 A2 rev.	CV561	0	F17 sound number
CV502	0	ZIMO Mapping 13 F-key	CV562	0	F17 volume
CV503	0	ZIMO Mapping 13 M-key	CV563	0	F17 information on loop
CV504	0	ZIMO Mapping 13 A1 forw.	CV564	16	F18 sound number
CV505	0	ZIMO Mapping 13 A2 forw.	CV565	0	F18 volume
CV506	0	ZIMO Mapping 13 A1 rev.	CV566	64	F18 information on loop
CV507	0	ZIMO Mapping 13 A2 rev.	CV567	8	F19 sound number
CV508	248	ZIMO Mapping dimming value 1-key	CV568	0	F19 volume
CV509	248	ZIMO Mapping dimming value 2-key	CV569	64	F19 information on loop
CV510	248	ZIMO Mapping dimming value 3-key	CV570	0	F0 sound number
CV511	248	ZIMO Mapping dimming value 4-key	CV571	0	F0 volume
CV512	248	ZIMO Mapping dimming value 5-key	CV572	0	F0 information on loop
CV513	0	F1 sound number	CV573	0	Sound number simmering
CV514	0	F1 volume	CV574	0	volume simmering
CV515	0	F1 information on loop	CV575	0	Sound number change of direction
CV516	28	F2 sound number	CV576	0	volume change of direction
CV517	0	F2 volume	CV577	6	Sound number brake squeal
CV518	0	F2 information on loop	CV578	128	volume squeal
CV519	34	F3 sound number	CV579	29	Sound number thyristor sound
CV520	0	F3 volume	CV580	0	Thyristor volume (not used)
CV521	0	F3 information on loop	CV581	0	Sound number starting whistle
CV522	36	F4 sound number	CV582	0	volume starting whistle
CV523	181	F4 volume	CV583	0	Sound number blow-off
CV524	0	F4 information on loop	CV584	0	Volume blow-off
CV525	18	F5 sound number	CV585	32	Sound number electric motor
CV526	128	F5 volume	CV586	0	Volume electric motor
CV527	8	F5 information on loop	CV587	0	Sound number rolling sound
CV528	0	F6 sound number	CV588	0	Volume rolling sound
CV529	0	F6 volume	CV589	0	Sound number switchgear
CV530	0	F6 information on loop	CV590	0	Volume switchgear
CV531	0	F7 sound number	CV591	30	n.a.
CV532	0	F7 volume	CV592	0	n.a.
CV533	0	F7 information on loop	CV593	0	n.a.
CV534	0	F8 sound number	CV594	0	n.a.
CV535	0	F8 volume	CV595	0	n.a.
CV536	0	F8 information on loop	CV596	0	n.a.
CV537	0	F9 sound number	CV597	0	n.a.
CV538	0	F9 volume	CV598	0	n.a.
CV539	0	F9 information on loop	CV599	0	n.a.
CV540	22	F10 sound number	CV600	0	Turbocharger volume

CV601-720

CV601	17	Sound number dynamic brake	CV661	0	
CV602	64	Volume dynamic brake	CV662	0	
CV603	13	cornering squeal sound number	CV663	0	
CV604	91	cornering squeal volume	CV664	0	
CV605	0	n.a.	CV665	0	
CV606	0	n.a.	CV666	0	
CV607	0	n.a.	CV667	0	
CV608	0	n.a.	CV668	0	
CV609	0	n.a.	CV669	0	
CV610	0	n.a.	CV670	0	
CV611	0	n.a.	CV671	0	Switch input 4 sound number
CV612	0	n.a.	CV672	0	Switch input 4 volume
CV613	0	n.a.	CV673	33	F20 sound number
CV614	0	n.a.	CV674	0	F20 volume
CV615	0	n.a.	CV675	0	F20 information on loop
CV616	0	n.a.	CV676	27	F21 sound number
CV617	0	n.a.	CV677	91	F21 volume
CV618	0	n.a.	CV678	8	F21 information on loop
CV619	0	n.a.	CV679	15	F22 sound number
CV620	0	n.a.	CV680	64	F22 volume
CV621	0	n.a.	CV681	0	F22 information on loop
CV622	0	n.a.	CV682	12	F23 sound number
CV623	0	n.a.	CV683	0	F23 volume
CV624	0	n.a.	CV684	0	F23 information on loop
CV625	0	n.a.	CV685	9	F24 sound number
CV626	0		CV686	91	F24 volume
CV627	0		CV687	8	F24 information on loop
CV628	0		CV688	24	F25 soundnumber
CV629	0		CV689	64	F25 volume
CV630	0		CV690	8	F25 information on loop
CV631	0		CV691	0	F26 sound number
CV632	0		CV692	0	F26 volume
CV633	0		CV693	0	F26 information on loop
CV634	0		CV694	0	F27 sound number
CV635	0		CV695	0	F27 volume
CV636	0		CV696	0	F27 information on loop
CV637	0		CV697	0	F28 sound number
CV638	0		CV698	0	F28 volume
CV639	0		CV699	0	F28 information on loop
CV640	0		CV700	0	n.a.
CV641	0		CV701	0	
CV642	0		CV702	0	
CV643	0		CV703	0	
CV644	0		CV704	0	
CV645	0		CV705	0	
CV646	0		CV706	0	
CV647	0		CV707	0	
CV648	0		CV708	0	
CV649	0		CV709	0	
CV650	0		CV710	0	
CV651	0		CV711	0	
CV652	0		CV712	0	
CV653	0		CV713	0	
CV654	0		CV714	0	
CV655	0		CV715	0	
CV656	0		CV716	0	
CV657	0		CV717	0	
CV658	0		CV718	0	
CV659	0		CV719	0	
CV660	0		CV720	0	

CV721-840

CV721	0		CV781	0	
CV722	0		CV782	0	
CV723	0		CV783	0	
CV724	0	HS tap changer set	CV784	0	
CV725	0		CV785	0	
CV726	0	Sound number trigger 1	CV786	0	
CV727	0	Trigger 1 to FO	CV787	0	
CV728	0	Sound number trigger 2	CV788	0	
CV729	0	Trigger 2 to FO	CV789	0	
CV730	0	Sound number trigger 3	CV790	0	
CV731	0	Trigger 3 to FO	CV791	0	
CV732	0	Sound number trigger 4	CV792	0	
CV733	0	Trigger 4 to FO	CV793	0	
CV734	0	Sound number trigger 5	CV794	0	
CV735	0	Trigger 5 to FO	CV795	0	
CV736	0	Sound number trigger 6	CV796	0	
CV737	0	Trigger 6 to FO	CV797	0	
CV738	0	Sound number swithing input 1	CV798	0	
CV739	0	Volume switching input 1	CV799	0	
CV740	0	Sound number switching input 2	CV800	0	ZIMO Mapping 14 F-key
CV741	0	Volume switching input 2	CV801	0	ZIMO Mapping 14 M-key
CV742	0	Sound number switching input 3	CV802	0	ZIMO Mapping 14 A1 forw.
CV743	0	Volume switching input 3	CV803	0	ZIMO Mapping 14 A2 forw.
CV744	22	Sound number Z1	CV804	0	ZIMO Mapping 14 A1 rev.
CV745	91	Volume Z1	CV805	0	ZIMO Mapping 14 A2 rev.
CV746	8	Information on loop Z1	CV806	0	ZIMO Mapping 15 F-key
CV747	0	Sound number Z2	CV807	0	ZIMO Mapping 15 M-key
CV748	0	Volume Z2	CV808	0	ZIMO Mapping 15 A1 forw.
CV749	0	Information on loop Z2	CV809	0	ZIMO Mapping 15 A2 forw.
CV750	0	Sound number Z3	CV810	0	ZIMO Mapping 15 A1 rev.
CV751	0	Volume Z3	CV811	0	ZIMO Mapping 15 A2 rev.
CV752	0	Information on loop Z3	CV812	0	ZIMO Mapping 16 F-key
CV753	0	Sound number Z4	CV813	0	ZIMO Mapping 16 M-key
CV754	0	Volume Z4	CV814	0	ZIMO Mapping 16 A1 forw.
CV755	0	Information on loop Z4	CV815	0	ZIMO Mapping 16 A2 forw.
CV756	0	Sound number Z5	CV816	0	ZIMO Mapping 16 A1 rev.
CV757	0	Volume Z5	CV817	0	ZIMO Mapping 16 A2 rev.
CV758	0	Information on loop Z5	CV818	0	ZIMO Mapping 17 F-key
CV759	0	Sound number Z6	CV819	0	ZIMO Mapping 17 M-key
CV760	0	Volume Z6	CV820	0	ZIMO Mapping 17 A1 forw.
CV761	0	Information on loop Z6	CV821	0	ZIMO Mapping 17 A2 forw.
CV762	0	Sound number Z7	CV822	0	ZIMO Mapping 17 A1 rev.
CV763	0	Volume Z7	CV823	0	ZIMO Mapping 17 A2 rev.
CV764	0	Information on loop Z7	CV824	0	Key inverted by IN1
CV765	0	Sound number Z8	CV825	0	Key inverted by IN2
CV766	0	Volume Z8	CV826	0	Key inerted by IN3
CV767	0	Information on loop Z8	CV827	0	Key inverted by IN4
CV768	32	n.a.	CV828	0	Chuff sound beat for Set+1
CV769	1		CV829	0	
CV770	127		CV830	0	Braking distance forw. High
CV771	127		CV831	0	Braking diastance forw. Low
CV772	127		CV832	0	Braking distance rev. High
CV773	127		CV833	0	Braking distance rev. Low
CV774	1		CV834	0	Reduce Turbo dependency on acceleration if..
CV775	42		CV835	0	Number of sets + keys
CV776	26		CV836	0	Sound configuration
CV777	0		CV837	0	Deactivate scripts
CV778	0		CV838	200	Thyristor sound volume constant
CV779	0		CV839	0	Software Version (second subversion)
CV780	0		CV840	0	Analog functions F13-F20

CV841-889

CV841	0	Analog functions F21-F28
CV842	8	
CV843	0	Deactivate scripts 9 to 16
CV844	0	E-motor sound max. pitch
CV845	0	
CV846	0	
CV847	0	
CV848	0	
CV849	0	
CV850	0	
CV851	0	
CV852	0	
CV853	0	
CV854	0	
CV855	0	
CV856	0	
CV857	0	
CV858	0	
CV859	0	
CV860	0	
CV861	0	
CV862	0	
CV863	0	
CV864	0	
CV865	0	
CV866	0	
CV867	0	
CV868	0	
CV869	0	
CV870	0	
CV871	0	
CV872	0	
CV873	0	
CV874	0	
CV875	0	
CV876	0	
CV877	0	
CV878	0	
CV879	0	
CV880	0	
CV881	0	
CV882	0	
CV883	0	
CV884	0	
CV885	0	
CV886	0	
CV887	0	
CV888	0	
CV889	0	

CV257	0		CV317	0	
CV258	0		CV318	0	
CV259	0		CV319	0	
CV260	0		CV320	0	
CV261	0		CV321	0	
CV262	0	Servo 5 left stop	CV322	0	
CV263	0	Servo 5 right stop	CV323	0	
CV264	0	Servo 5 center stop	CV324	0	
CV265	0	Servo 5 speed	CV325	0	
CV266	0	Servo 6 left stop	CV326	0	
CV267	0	Servo 6 right stop	CV327	0	
CV268	0	Servo 6 center stop	CV328	0	
CV269	0	Servo 6 speed	CV329	0	
CV270	0	Servo 7 left stop	CV330	0	
CV271	0	Servo 7 right stop	CV331	0	
CV272	0	Servo 7 center stop	CV332	0	
CV273	0	Servo 7 speed	CV333	0	
CV274	0	Servo 8 left stop	CV334	0	
CV275	0	Servo 8 right stop	CV335	0	
CV276	0	Servo 8 center stop	CV336	0	
CV277	0	Servo 8 speed	CV337	0	
CV278	0		CV338	0	
CV279	0		CV339	0	
CV280	0		CV340	0	
CV281	0	Servo 5 - Function Assignment	CV341	0	
CV282	0	Servo 6 - Function Assignment	CV342	0	
CV283	0	Servo 7 - Function Assignment	CV343	0	
CV284	0	Servo 8 - Function Assignment	CV344	0	
CV285	0		CV345	0	
CV286	0		CV346	0	
CV287	0		CV347	0	
CV288	0		CV348	0	
CV289	0		CV349	0	
CV290	0		CV350	0	
CV291	0		CV351	0	
CV292	0		CV352	0	
CV293	0		CV353	0	
CV294	0		CV354	0	
CV295	0		CV355	0	
CV296	0		CV356	0	
CV297	0		CV357	0	
CV298	0		CV358	0	
CV299	0		CV359	0	
CV300	0		CV360	0	
CV301	0		CV361	0	
CV302	0		CV362	0	
CV303	0		CV363	0	
CV304	0		CV364	0	
CV305	0		CV365	0	
CV306	0		CV366	0	
CV307	0	delay 2nd smoke unit (only diesel) [0.1s]	CV367	0	
CV308	0		CV368	0	
CV309	0		CV369	0	
CV310	0		CV370	0	
CV311	0		CV371	0	
CV312	0		CV372	0	
CV313	0		CV373	0	
CV314	0		CV374	0	
CV315	0		CV375	0	
CV316	0		CV376	0	

CV377	0		CV437	0	
CV378	0		CV438	0	
CV379	0		CV439	0	
CV380	0		CV440	0	
CV381	0		CV441	0	
CV382	0		CV442	0	
CV383	0		CV443	0	
CV384	0		CV444	0	
CV385	0		CV445	0	
CV386	0		CV446	0	
CV387	0		CV447	0	
CV388	0		CV448	0	
CV389	0		CV449	0	
CV390	0		CV450	0	
CV391	0		CV451	0	
CV392	0		CV452	0	
CV393	0		CV453	0	
CV394	0		CV454	0	
CV395	0		CV455	0	
CV396	0		CV456	0	
CV397	0		CV457	0	
CV398	0		CV458	0	
CV399	0		CV459	0	
CV400	0		CV460	0	
CV401	0		CV461	0	
CV402	0		CV462	0	
CV403	0		CV463	0	
CV404	0		CV464	0	
CV405	0		CV465	0	
CV406	0		CV466	0	
CV407	0		CV467	0	
CV408	0		CV468	0	
CV409	0		CV469	0	
CV410	0		CV470	0	
CV411	0		CV471	0	
CV412	0		CV472	0	
CV413	0		CV473	0	
CV414	0		CV474	0	
CV415	0		CV475	0	
CV416	0		CV476	0	
CV417	0		CV477	0	
CV418	0		CV478	0	
CV419	0		CV479	0	
CV420	0		CV480	0	
CV421	0		CV481	0	
CV422	0		CV482	0	
CV423	0		CV483	0	
CV424	0		CV484	0	
CV425	0		CV485	0	
CV426	0		CV486	0	
CV427	0		CV487	0	
CV428	0		CV488	0	
CV429	0		CV489	0	
CV430	0		CV490	0	
CV431	0		CV491	0	
CV432	0		CV492	0	
CV433	0		CV493	0	
CV434	0		CV494	0	
CV435	0		CV495	0	
CV436	0		CV496	0	

CV497	0	
CV498	0	
CV499	0	
CV500	0	
CV501	0	Smoke fan 2 pwm at constant speed
CV502	0	Smoke fan 2 pwm at acceleration
CV503	0	
CV504	0	
CV505	0	Exhaust fan 2 speed at standstill
CV506	0	
CV507	0	
CV508	0	
CV509	0	
CV510	0	
CV511	0	
CV512	0	
CV513	0	

CV257	0	1.filter filter type	CV317	0	
CV258	0	1.filter cut-off frequency	CV318	0	
CV259	0	1.filter quality factor	CV319	0	
CV260	0	1.filter gain	CV320	0	
CV261	0	2.filter filter type	CV321	0	
CV262	0	2.filter cut-off frequency	CV322	0	
CV263	0	2.filter quality factor	CV323	0	
CV264	0	2.filter gain	CV324	0	
CV265	0	3.filter filter type	CV325	0	
CV266	0	3.filter cut-off frequency	CV326	0	
CV267	0	3.filter quality factor	CV327	0	
CV268	0	3.filter gain	CV328	0	
CV269	0	4.filter filter type	CV329	0	
CV270	0	4.filter cut-off frequency	CV330	0	
CV271	0	4.filter quality factor	CV331	0	
CV272	0	4.filter gain	CV332	0	
CV273	0	5.filter filter type	CV333	0	
CV274	0	5.filter cut-off frequency	CV334	0	
CV275	0	5.filter quality factor	CV335	0	
CV276	0	5.filter gain	CV336	0	
CV277	0	6.filter filter type	CV337	0	
CV278	0	6.filter cut-off frequency	CV338	0	
CV279	0	6.filter quality factor	CV339	0	
CV280	0	6.filter gain	CV340	0	
CV281	0		CV341	0	
CV282	0		CV342	0	
CV283	0		CV343	0	
CV284	0		CV344	0	
CV285	0		CV345	0	
CV286	0		CV346	0	
CV287	0		CV347	0	
CV288	0		CV348	0	
CV289	0		CV349	0	
CV290	0		CV350	0	
CV291	0		CV351	0	
CV292	0		CV352	0	
CV293	0		CV353	0	
CV294	0		CV354	0	
CV295	0		CV355	0	
CV296	0		CV356	0	
CV297	0		CV357	0	
CV298	0		CV358	0	
CV299	0		CV359	0	
CV300	0		CV360	0	
CV301	0		CV361	0	
CV302	0		CV362	0	
CV303	0		CV363	0	
CV304	0		CV364	0	
CV305	0		CV365	0	
CV306	0		CV366	0	
CV307	0		CV367	0	
CV308	0		CV368	0	
CV309	0		CV369	0	
CV310	0		CV370	0	
CV311	0		CV371	0	
CV312	0		CV372	0	
CV313	0		CV373	0	
CV314	0		CV374	0	
CV315	0		CV375	0	
CV316	0		CV376	0	

CV377	0		CV437	0	
CV378	0		CV438	0	
CV379	0		CV439	0	
CV380	0		CV440	0	
CV381	0		CV441	0	
CV382	0		CV442	0	
CV383	0		CV443	0	
CV384	0		CV444	0	
CV385	0		CV445	0	
CV386	0		CV446	0	
CV387	0		CV447	0	
CV388	0		CV448	0	
CV389	0		CV449	0	
CV390	0		CV450	0	
CV391	0		CV451	0	
CV392	0		CV452	0	
CV393	0		CV453	0	
CV394	0		CV454	0	
CV395	0		CV455	0	
CV396	0		CV456	0	
CV397	0		CV457	0	
CV398	0		CV458	0	
CV399	0		CV459	0	
CV400	0		CV460	0	
CV401	0		CV461	0	
CV402	0		CV462	0	
CV403	0		CV463	0	
CV404	0		CV464	0	
CV405	0		CV465	0	
CV406	0		CV466	0	
CV407	0		CV467	0	
CV408	0		CV468	0	
CV409	0		CV469	0	
CV410	0		CV470	0	
CV411	0		CV471	0	
CV412	0		CV472	0	
CV413	0		CV473	0	
CV414	0		CV474	0	
CV415	0		CV475	0	
CV416	0		CV476	0	
CV417	0		CV477	0	
CV418	0		CV478	0	
CV419	0		CV479	0	
CV420	0		CV480	0	
CV421	0		CV481	0	
CV422	0		CV482	0	
CV423	0		CV483	0	
CV424	0		CV484	0	
CV425	0		CV485	0	
CV426	0		CV486	0	
CV427	0		CV487	0	
CV428	0		CV488	0	
CV429	0		CV489	0	
CV430	0		CV490	0	
CV431	0		CV491	0	
CV432	0		CV492	0	
CV433	0		CV493	0	
CV434	0		CV494	0	
CV435	0		CV495	0	
CV436	0		CV496	0	

CV497	0	
CV498	0	
CV499	0	
CV500	0	
CV501	0	
CV502	0	
CV503	0	
CV504	0	
CV505	0	
CV506	0	
CV507	0	
CV508	0	
CV509	0	
CV510	0	
CV511	0	
CV512	0	
CV513	0	