

Fault Com.	Kind of	TEMSA DTC	Component	Kind of Failure
11	18	928	Voltage supply pin 30a	Under Voltage/Contacting
11	31	929	Voltage supply pin 30a	Supply line / Cable Breakage
12	18	930	Voltage supply pin 30b	Under Voltage/Contacting
12	31	931	Voltage supply pin 30b	Supply line / Cable Breakage
13	18	932	Voltage supply pin 15	Under Voltage/Contacting
14	32	933	Sensor voltage supply 24V	Supply Line / Cable Breakage
14	33	934	Sensor voltage supply 24V	Supply Line / Short Circuit
15	33	935	Voltage supply axle modulator	Supply Line / Short Circuit
16	11	936	EBS-Central Module	EEPROM Failure
16	12	937	EBS-Central Module	Incorrect Parameter
16	15	938	EBS-Central Module	Internal Failure
16	17	939	EBS-Central Module	Oversvoltage
16	18	940	EBS-Central Module	Under Voltage/Contacting
16	49	941	EBS-Central Module	Steering Angle Plausible
16	53	942	EBS-Central Module	Wrong Tire Dimensions
17	32	943	ESC/SAS Voltage Supply	Supply Line / Cable Breakage
17	33	944	ESC/SAS Voltage Supply	Supply Line / Short Circuit
21	37	945	Wheel Speed Sensor (front right)	Signal / Cable Breakage
21	38	946	Wheel Speed Sensor (front right)	Implausible Vehicle Speed
21	41	947	Wheel Speed Sensor (front right)	Signal / Short Circuit Ground
21	42	948	Wheel Speed Sensor (front right)	Signal Short Circuit +UB
21	44	949	Wheel Speed Sensor (front right)	Short circuited coil
21	45	950	Wheel Speed Sensor (front right)	Pole Wheel Failure
21	46	951	Wheel Speed Sensor (front right)	Inadmissible Wheel Speed Signal
21	47	952	Wheel Speed Sensor (front right)	Run Out
21	48	953	Wheel Speed Sensor (front right)	Air Gap Failure
22	37	954	Wheel Speed Sensor (front left)	Signal / Cable Breakage
22	38	955	Wheel Speed Sensor (front left)	Implausible Vehicle Speed
22	41	956	Wheel Speed Sensor (front left)	Signal / Short Circuit Ground
22	42	957	Wheel Speed Sensor (front left)	Signal Short Circuit +UB
22	44	958	Wheel Speed Sensor (front left)	Short circuited coil
22	45	959	Wheel Speed Sensor (front left)	Pole Wheel Failure
22	46	960	Wheel Speed Sensor (front left)	Inadmissible Wheel Speed Signal
22	47	961	Wheel Speed Sensor (front left)	Run Out
22	48	962	Wheel Speed Sensor (front left)	Air Gap Failure
23	37	963	Wheel Speed Sensor (rear right)	Signal / Cable Breakage
23	38	964	Wheel Speed Sensor (rear right)	Implausible Vehicle Speed
23	41	965	Wheel Speed Sensor (rear right)	Signal / Short Circuit Ground
23	42	966	Wheel Speed Sensor (rear right)	Signal Short Circuit +UB
23	44	967	Wheel Speed Sensor (rear right)	Short circuited coil
23	45	968	Wheel Speed Sensor (rear right)	Pole Wheel Failure
23	46	969	Wheel Speed Sensor (rear right)	Inadmissible Wheel Speed Signal
23	47	970	Wheel Speed Sensor (rear right)	Run Out
23	48	971	Wheel Speed Sensor (rear right)	Air Gap Failure
24	37	972	Wheel Speed Sensor (rear left)	Signal / Cable Breakage
24	38	973	Wheel Speed Sensor (rear left)	Implausible Vehicle Speed
24	41	974	Wheel Speed Sensor (rear left)	Signal / Short Circuit Ground
24	42	975	Wheel Speed Sensor (rear left)	Signal Short Circuit +UB
24	44	976	Wheel Speed Sensor (rear left)	Short circuited coil
24	45	977	Wheel Speed Sensor (rear left)	Pole Wheel Failure
24	46	978	Wheel Speed Sensor (rear left)	Inadmissible Wheel Speed Signal
24	47	979	Wheel Speed Sensor (rear left)	Run Out
24	48	980	Wheel Speed Sensor (rear left)	Air Gap Failure
25	37	981	Wheel Speed Sensor (3rd axle right)	Signal / Cable Breakage
25	38	982	Wheel Speed Sensor (3rd axle right)	Implausible Vehicle Speed
25	41	983	Wheel Speed Sensor (3rd axle right)	Signal / Short Circuit Ground
25	42	984	Wheel Speed Sensor (3rd axle right)	Signal Short Circuit +UB
25	44	985	Wheel Speed Sensor (3rd axle right)	Short circuited coil
25	45	986	Wheel Speed Sensor (3rd axle right)	Pole Wheel Failure
25	46	987	Wheel Speed Sensor (3rd axle right)	Inadmissible Wheel Speed Signal
25	47	988	Wheel Speed Sensor (3rd axle right)	Run Out
25	48	989	Wheel Speed Sensor (3rd axle right)	Air Gap Failure
26	37	990	Wheel Speed Sensor (3rd axle left)	Signal / Cable Breakage
26	38	991	Wheel Speed Sensor (3rd axle left)	Implausible Vehicle Speed
26	41	992	Wheel Speed Sensor (3rd axle left)	Signal / Short Circuit Ground
26	42	993	Wheel Speed Sensor (3rd axle left)	Signal Short Circuit +UB
26	44	994	Wheel Speed Sensor (3rd axle left)	Short circuited coil
26	45	995	Wheel Speed Sensor (3rd axle left)	Pole Wheel Failure
26	46	996	Wheel Speed Sensor (3rd axle left)	Inadmissible Wheel Speed Signal
26	47	997	Wheel Speed Sensor (3rd axle left)	Run Out
26	48	998	Wheel Speed Sensor (3rd axle left)	Air Gap Failure
31	16	999	Brake signal transmitter	Total Failure
31	52	1000	Brake signal transmitter	Big difference of sensor signals
32	37	1001	brake switch signal 1	Signal / Cable Breakage
32	41	1002	brake switch signal 1	Signal / Short Circuit Ground
33	37	1003	brake switch signal 2	Signal / Cable Breakage
33	41	1004	brake switch signal 2	Signal / Short Circuit Ground
34	41	1005	brake sensor signal 1	Signal / Short Circuit Ground
34	43	1006	brake sensor signal 1	No Sensor Signal / Sensor Too Low
35	41	1007	brake sensor signal 2	Signal / Short Circuit Ground
35	43	1008	brake sensor signal 2	No Sensor Signal / Sensor Too Low
41	39	1009	SAE J1939 Data connection	TCO signal not available
41	58	1010	SAE J1939 Data connection	timeout Drive Line Retarder
41	59	1011	SAE J1939 Data connection	Timeout CFG Driveline retarder
41	61	1012	SAE J1939 Data connection	Bus Off
41	62	1013	SAE J1939 Data connection	TCO Signal not plausible
41	63	1014	SAE J1939 Data connection	Communication Interruption
41	65	1015	SAE J1939 Data connection	timeout engine retarder
41	66	1016	SAE J1939 Data connection	Timeout Engine (EEC1)
41	67	1017	SAE J1939 Data connection	Timeout Gear (ETC1)
41	68	1018	SAE J1939 Data connection	Timeout Cruise Control (CCVS)
41	69	1019	SAE J1939 Data connection	Timeout Tacho Message
41	71	1020	SAE J1939 Data connection	Timeout Brakes/ Supply-Pressure-Message
41	72	1021	SAE J1939 Data connection	Timeout CFG Engine Retarder
41	73	1022	SAE J1939 Data connection	Timeout Exhaust Retarder
41	74	1023	SAE J1939 Data connection	Timeout CFG Exhaust Retarder
41	78	1024	SAE J1939 Data connection	Timeout CFG Engine
41	86	1025	SAE J1939 Data connection	Timeout Engine (EEC2)
41	87	1026	SAE J1939 Data connection	Timeout Engine (EEC3)
41	89	1027	SAE J1939 Data connection	Timeout Gear (ETC2)
41	91	1028	SAE J1939 Data connection	Implausibility Tachosignal Yawrate
41	92	1029	SAE J1939 Data connection	Timeout ECAS (Vehicle Weight)
41	93	1030	SAE J1939 Data connection	Timeout Gear (ETC 7)
41	96	1031	SAE J1939 Data connection	Timeout Time and Date
42	16	1032	Braking system CAN	Total Failure
43	61	1033	Trailer Interface (ISO 11992)	Bus Off
43	63	1034	Trailer Interface (ISO 11992)	Communication Interruption
43	75	1035	Trailer Interface (ISO 11992)	CAN High Failure
43	76	1036	Trailer Interface (ISO 11992)	CAN Low Failure
45	16	1037	Failure Lamp A (EBS/red)	Total Failure
46	16	1038	Failure Lamp B (ABS/yellow)	Total Failure
47	16	1039	Lamp C (ATC/ASR information)	Total Failure
48	16	1040	Lamp D (lining wear info)	Total Failure
49	15	1041	ESC1 (steering system 3rd axle)	Internal Failure
49	63	1042	ESC1 (steering system 3rd axle)	Communication Interruption
51	21	1043	ABS-Solenoid Valve (front left)	Short Circuit Ground
51	22	1044	ABS-Solenoid Valve (front left)	Short Circuit +UB(inlet solenoid)
51	23	1045	ABS-Solenoid Valve (front left)	Cable Breakage (Ground return line)
51	24	1046	ABS-Solenoid Valve (front left)	Cable Breakage (inlet solenoid)
51	25	1047	ABS-Solenoid Valve (front left)	Permanent Current Consumption
51	26	1048	ABS-Solenoid Valve (front left)	Cable Breakage (outlet solenoid)
51	27	1049	ABS-Solenoid Valve (front left)	Short Circuit Ground (outlet solenoid)
51	28	1050	ABS-Solenoid Valve (front left)	Short Circuit Ground (outlet solenoid)
52	21	1051	ABS-Solenoid Valve(front right)	Short Circuit Ground
52	22	1052	ABS-Solenoid Valve(front right)	Short Circuit +UB(inlet solenoid)
52	23	1053	ABS-Solenoid Valve(front right)	Cable Breakage (Ground return line)
52	24	1054	ABS-Solenoid Valve(front right)	Cable Breakage (inlet solenoid)
52	25	1055	ABS-Solenoid Valve(front right)	Permanent Current Consumption
52	26	1056	ABS-Solenoid Valve(front right)	Cable Breakage (outlet solenoid)
52	27	1057	ABS-Solenoid Valve(front right)	Short Circuit Ground (outlet solenoid)
52	28	1058	ABS-Solenoid Valve(front right)	Short Circuit Ground (outlet solenoid)
53	32	1059	ABS Solenoid Return Line(GND)	Supply Line / Cable Breakage

Fault Com.	Kind of	TEMSA DTC	Component	Kind of Failure
53	33	1060	ABS Solenoid Return Line(GND)	Supply Line / Short Circuit
54	12	1061	Relay Engine brake Cut Off	Incorrect Parameter
54	31	1062	Relay Engine brake Cut Off	Supply line / Cable Breakage
54	32	1063	Relay Engine brake Cut Off	Supply Line / Cable Breakage
54	33	1064	Relay Engine brake Cut Off	Supply Line / Short Circuit
55	12	1065	EBS Back Up Valve (rear axle)	Incorrect Parameter
55	31	1066	EBS Back Up Valve (rear axle)	Supply line / Cable Breakage
55	32	1067	EBS Back Up Valve (rear axle)	Supply Line / Cable Breakage
55	33	1068	EBS Back Up Valve (rear axle)	Supply Line / Short Circuit
57	12	1069	ATC/ASR Cut-off Valve	Incorrect Parameter
57	31	1070	ATC/ASR Cut-off Valve	Supply line / Cable Breakage
57	32	1071	ATC/ASR Cut-off Valve	Supply Line / Cable Breakage
57	33	1072	ATC/ASR Cut-off Valve	Supply Line / Short Circuit
59	12	1073	Auxiliary Valve	Incorrect Parameter
59	31	1074	Auxiliary Valve	Supply line / Cable Breakage
59	32	1075	Auxiliary Valve	Supply Line / Cable Breakage
59	33	1076	Auxiliary Valve	Supply Line / Short Circuit
61	16	1077	Prop. Rel. Valve (front axle)	Total Failure
61	55	1078	Prop. Rel. Valve (front axle)	Brake Pressure too Low
62	42	1079	Prop. Rel. Valve (pressure sensor)	Signal Short Circuit +UB
62	43	1080	Prop. Rel. Valve (pressure sensor)	No Sensor Signal / Sensor Too Low
63	25	1081	Prop. Rel. Valve (solenoid)	Permanent Current Consumption
63	32	1082	Prop. Rel. Valve (solenoid)	Supply Line / Cable Breakage
63	33	1083	Prop. Rel. Valve (solenoid)	Supply Line / Short Circuit
63	34	1084	Prop. Rel. Valve (solenoid)	Return Line / Short Circuit Ground
63	35	1085	Prop. Rel. Valve (solenoid)	Return Line / Short Circuit +UB
63	36	1086	Prop. Rel. Valve (solenoid)	Cable Breakage
64	13	1087	Axle Modulator (rear axle)	Component Incompatible
64	14	1088	Axle Modulator (rear axle)	Undefined ESC/SAS/CM/AM Failure
64	16	1089	Axle Modulator (rear axle)	Total Failure
64	51	1090	Axle Modulator (rear axle)	Brake Pressure Too High
64	52	1091	Axle Modulator (rear axle)	Big difference of sensor signals
64	54	1092	Axle Modulator (rear axle)	Pressure Sensor Failure
64	64	1093	Axle Modulator (rear axle)	Timeout EBS Modules
64	77	1094	Axle Modulator (rear axle)	Timeout ESC/SAS
64	83	1095	Axle Modulator (rear axle)	CPU check Faulty
65	12	1096	Axle Modulator (3rd axle)	Incorrect Parameter
65	13	1097	Axle Modulator (3rd axle)	Component Incompatible
65	14	1098	Axle Modulator (3rd axle)	Undefined ESC/SAS/CM/AM Failure
65	16	1099	Axle Modulator (3rd axle)	Total Failure
65	51	1100	Axle Modulator (3rd axle)	Brake Pressure Too High
65	52	1101	Axle Modulator (3rd axle)	Big difference of sensor signals
65	54	1102	Axle Modulator (3rd axle)	Pressure Sensor Failure
65	64	1103	Axle Modulator (3rd axle)	Timeout EBS Modules
65	77	1104	Axle Modulator (3rd axle)	Timeout ESC/SAS
65	83	1105	Axle Modulator (3rd axle)	CPU check Faulty
66	12	1106	Trailer Control Valve	Incorrect Parameter
66	16	1107	Trailer Control Valve	Total Failure
66	55	1108	Trailer Control Valve	Brake Pressure too Low
67	42	1109	Trailer Control Valve (pr. Sensor)	Signal Short Circuit +UB
67	43	1110	Trailer Control Valve (pr. Sensor)	No Sensor Signal / Sensor Too Low
67	51	1111	Trailer Control Valve (pr. Sensor)	Brake Pressure Too High
68	25	1112	Trailer Control Valve (solenoid)	Permanent Current Consumption
68	32	1113	Trailer Control Valve (solenoid)	Supply Line / Cable Breakage
68	33	1114	Trailer Control Valve (solenoid)	Supply Line / Short Circuit
68	34	1115	Trailer Control Valve (solenoid)	Return Line / Short Circuit Ground
68	35	1116	Trailer Control Valve (solenoid)	Return Line / Short Circuit +UB
68	36	1117	Trailer Control Valve (solenoid)	Cable Breakage
71	16	1118	ELB (EL Handbrake System)	Total Failure
71	36	1119	ELB (EL Handbrake System)	Cable Breakage
71	63	1120	ELB (EL Handbrake System)	Communication Interruption
72	16	1121	XBR Demand (Third System)	Total Failure
72	36	1122	XBR Demand (Third System)	Cable Breakage
72	63	1123	XBR Demand (Third System)	Communication Interruption
73	15	1124	EL Trailer Braking system	Internal Failure
74	11	1125	Stability Control (ESC Module)	EEPROM Failure
74	12	1126	Stability Control (ESC Module)	Incorrect Parameter
74	13	1127	Stability Control (ESC Module)	Component Incompatible
74	14	1128	Stability Control (ESC Module)	Undefined ESC/SAS/CM/AM Failure
74	15	1129	Stability Control (ESC Module)	Internal Failure
74	16	1130	Stability Control (ESC Module)	Total Failure
74	49	1131	Stability Control (ESC Module)	Steering Angle Plausible
74	64	1132	Stability Control (ESC Module)	Timeout EBS Modules
74	77	1133	Stability Control (ESC Module)	Timeout ESC/SAS
74	81	1134	Stability Control (ESC Module)	Assembly Failure
74	82	1135	Stability Control (ESC Module)	Calibration
74	83	1136	Stability Control (ESC Module)	CPU check Faulty
74	85	1137	Stability Control (ESC Module)	Invalid ESC Barcode
75	12	1138	Steering Angle Sensor (SAS)	Incorrect Parameter
75	13	1139	Steering Angle Sensor (SAS)	Component Incompatible
75	15	1140	Steering Angle Sensor (SAS)	Internal Failure
75	16	1141	Steering Angle Sensor (SAS)	Total Failure
75	49	1142	Steering Angle Sensor (SAS)	Steering Angle Plausible
75	77	1143	Steering Angle Sensor (SAS)	Timeout ESC/SAS
75	82	1144	Steering Angle Sensor (SAS)	Calibration
75	84	1145	Steering Angle Sensor (SAS)	Steering angle ratio not plausible
75	94	1146	Steering Angle Sensor (SAS)	Warning Level -1
75	95	1147	Steering Angle Sensor (SAS)	Warning Level-2
76	16	1148	ACC (Adaptive Cruise Control)	Total Failure
76	36	1149	ACC (Adaptive Cruise Control)	Cable Breakage
76	63	1150	ACC (Adaptive Cruise Control)	Communication Interruption
78	94	1151	Brake Temperature Monitoring	Warning Level -1
78	95	1152	Brake Temperature Monitoring	Warning Level-2
79	94	1153	Brake Performance Monitoring	Warning Level-1
81	42	1154	Brake Lining Sensor (front right)	Signal Short Circuit +UB
81	43	1155	Brake Lining Sensor (front right)	No Sensor Signal / Sensor Too Low
81	57	1156	Brake Lining Sensor (front right)	Worn Brake lining
82	42	1157	Brake Lining Sensor (front left)	Signal Short Circuit +UB
82	43	1158	Brake Lining Sensor (front left)	No Sensor Signal / Sensor Too Low
82	57	1159	Brake Lining Sensor (front left)	Worn Brake lining
83	32	1160	Brake Lining Sensor Supply (fr. Axle)	Supply Line / Cable Breakage
83	33	1161	Brake Lining Sensor Supply (fr. Axle)	Supply Line / Short Circuit
84	42	1162	Brake Lining Sensor (rear right)	Signal Short Circuit +UB
84	43	1163	Brake Lining Sensor (rear right)	No Sensor Signal / Sensor Too Low
84	57	1164	Brake Lining Sensor (rear right)	Worn Brake lining
85	42	1165	Brake Lining Sensor (rear left)	Signal Short Circuit +UB
85	43	1166	Brake Lining Sensor (rear left)	No Sensor Signal / Sensor Too Low
85	57	1167	Brake Lining Sensor (rear left)	Worn Brake lining
86	32	1168	Brake Lining Sensor Supply (fr. Axle)	Supply Line / Cable Breakage
86	33	1169	Brake Lining Sensor Supply (fr. Axle)	Supply Line / Short Circuit
87	42	1170	Brake Lining Sensor (3rd Axle right)	Signal Short Circuit +UB
87	43	1171	Brake Lining Sensor (3rd Axle right)	No Sensor Signal / Sensor Too Low
87	57	1172	Brake Lining Sensor (3rd Axle right)	Worn Brake lining
88	42	1173	Brake Lining Sensor (3rd axle left)	Signal Short Circuit +UB
88	43	1174	Brake Lining Sensor (3rd axle left)	No Sensor Signal / Sensor Too Low
88	57	1175	Brake Lining Sensor (3rd axle left)	Worn Brake lining
89	32	1176	Brake Lining Sensor Supply (3rd Axle)	Supply Line / Cable Breakage
89	33	1177	Brake Lining Sensor Supply (3rd Axle)	Supply Line / Short Circuit
789	1	1800	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	2	1801	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	3	1802	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	4	1803	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	5	1804	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	6	1805	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	7	1806	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	8	1807	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	9	1808	ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	10	1809	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	11	1810	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
789	12	1811	Wheel Sensor ABS Axle 1 Left	WHEEL SENSOR Front Axle Left
790	1	1812	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right
790	2	1813	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right

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790	3	1814	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	voltage above normal or shorted high
790	4	1815	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	voltage below normal or shorted low
790	5	1816	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	current below normal or open circuit
790	6	1817	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	current above normal or grounded circuit
790	7	1818	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	mechanical system not responding properly or out of adjustment
790	8	1819	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	abnormal frequency, pulse width or period
790	9	1820	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	abnormal update rate
790	10	1821	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	abnormal rate of change
790	10	1822	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	abnormal rate of change
790	11	1823	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	failure mode not identifiable / root cause not known
790	12	1824	Wheel Sensor ABS Axle 1 Right	WHEEL SENSOR Front Axle Right	bad intelligent device or component
791	1	1825	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	data valid, but below normal operation range (most severe level)
791	2	1826	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	data erratic, intermittent or incorrect
791	3	1827	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	voltage above normal or shorted high
791	4	1828	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	voltage below normal or shorted low
791	5	1829	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	current below normal or open circuit
791	6	1830	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	current above normal or grounded circuit
791	7	1831	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	mechanical system not responding properly or out of adjustment
791	8	1832	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	abnormal frequency, pulse width or period
791	9	1833	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	abnormal update rate
791	10	1834	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	abnormal rate of change
791	10	1835	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	abnormal rate of change
791	11	1836	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	failure mode not identifiable / root cause not known
791	12	1837	Wheel Sensor ABS Axle 2 Left	WHEEL SENSOR Rear Axle Left	bad intelligent device or component
792	1	1838	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	data valid, but below normal operation range (most severe level)
792	2	1839	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	data erratic, intermittent or incorrect
792	3	1840	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	voltage above normal or shorted high
792	4	1841	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	voltage below normal or shorted low
792	5	1842	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	current below normal or open circuit
792	6	1843	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	current above normal or grounded circuit
792	7	1844	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	mechanical system not responding properly or out of adjustment
792	8	1845	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	abnormal frequency, pulse width or period
792	9	1846	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	abnormal update rate
792	10	1847	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	abnormal rate of change
792	10	1848	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	abnormal rate of change
792	11	1849	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	failure mode not identifiable / root cause not known
792	12	1850	Wheel Sensor ABS Axle 2 Right	WHEEL SENSOR Rear Axle Right	bad intelligent device or component
793	1	1851	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	data valid, but below normal operation range (most severe level)
793	2	1852	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	data erratic, intermittent or incorrect
793	3	1853	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	voltage above normal or shorted high
793	4	1854	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	voltage below normal or shorted low
793	5	1855	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	current below normal or open circuit
793	6	1856	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	current above normal or grounded circuit
793	7	1857	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	mechanical system not responding properly or out of adjustment
793	8	1858	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	abnormal frequency, pulse width or period
793	9	1859	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	abnormal update rate
793	10	1860	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	abnormal rate of change
793	10	1861	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	abnormal rate of change
793	11	1862	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	failure mode not identifiable / root cause not known
793	12	1863	Wheel Sensor ABS Axle 3 Left	WHEEL SENSOR Additional Axle Left	bad intelligent device or component
794	1	1864	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	data valid, but below normal operation range (most severe level)
794	2	1865	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	data erratic, intermittent or incorrect
794	3	1866	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	voltage above normal or shorted high
794	4	1867	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	voltage below normal or shorted low
794	5	1868	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	current below normal or open circuit
794	6	1869	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	current above normal or grounded circuit
794	7	1870	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	mechanical system not responding properly or out of adjustment
794	8	1871	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	abnormal frequency, pulse width or period
794	9	1872	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	abnormal update rate
794	10	1873	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	abnormal rate of change
794	10	1874	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	abnormal rate of change
794	11	1875	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	failure mode not identifiable / root cause not known
794	12	1876	Wheel Sensor ABS Axle 3 Right	WHEEL SENSOR Additional Axle Right	bad intelligent device or component
795	3	1877	Pressure Modulation Valve ABS Axle 1 Left	MODULATOR Front Axle Left (FA)	voltage above normal or shorted high
795	5	1878	Pressure Modulation Valve ABS Axle 1 Left	MODULATOR Front Axle Left (FA)	current below normal or open circuit
795	6	1879	Pressure Modulation Valve ABS Axle 1 Left	MODULATOR Front Axle Left (FA)	current above normal or grounded circuit
795	6	1880	Pressure Modulation Valve ABS Axle 1 Left	MODULATOR Front Axle Left (FA)	current above normal or grounded circuit
796	3	1881	Pressure Modulation Valve ABS Axle 1 Right	MODULATOR Front Axle Right (FAr)	voltage above normal or shorted high
796	5	1882	Pressure Modulation Valve ABS Axle 1 Right	MODULATOR Front Axle Right (FAr)	current below normal or open circuit
796	6	1883	Pressure Modulation Valve ABS Axle 1 Right	MODULATOR Front Axle Right (FAr)	current above normal or grounded circuit
797	3	1884	Pressure Modulation Valve ABS Axle 2 Left	MODULATOR Rear Axle Left (RA)	voltage above normal or shorted high
797	5	1885	Pressure Modulation Valve ABS Axle 2 Left	MODULATOR Rear Axle Left (RA)	current below normal or open circuit
797	6	1886	Pressure Modulation Valve ABS Axle 2 Left	MODULATOR Rear Axle Left (RA)	current above normal or grounded circuit
798	3	1887	Pressure Modulation Valve ABS Axle 2 Right	MODULATOR Rear Axle Right (RAr)	voltage above normal or shorted high
798	5	1888	Pressure Modulation Valve ABS Axle 2 Right	MODULATOR Rear Axle Right (RAr)	current below normal or open circuit
798	6	1889	Pressure Modulation Valve ABS Axle 2 Right	MODULATOR Rear Axle Right (RAr)	current above normal or grounded circuit
799	3	1890	Pressure Modulation Valve ABS Axle 3 Left	MODULATOR Additional Axle Left (AA)	voltage above normal or shorted high
799	3	1891	Pressure Modulation Valve ABS Axle 3 Left	MODULATOR Additional Axle Left (AA)	current below normal or open circuit
799	6	1892	Pressure Modulation Valve ABS Axle 3 Left	MODULATOR Additional Axle Left (AA)	current above normal or grounded circuit
800	3	1893	Pressure Modulation Valve ABS Axle 3 Right	MODULATOR Additional Axle Right (AAr)	voltage above normal or shorted high
800	5	1894	Pressure Modulation Valve ABS Axle 3 Right	MODULATOR Additional Axle Right (AAr)	current below normal or open circuit
800	6	1895	Pressure Modulation Valve ABS Axle 3 Right	MODULATOR Additional Axle Right (AAr)	current above normal or grounded circuit
801	3	1896	Retarder ControlRelay	RETARDER	voltage above normal or shorted high
801	5	1897	Retarder ControlRelay	RETARDER	current below normal or open circuit
801	6	1898	Retarder ControlRelay	RETARDER	current above normal or grounded circuit
802	4	1899	Relay Diagonal 1	MASSE D1 / RELAY D1	voltage below normal or shorted low
802	5	1900	Relay Diagonal 1	MASSE D1 / RELAY D1	current below normal or open circuit
802	7	1901	Relay Diagonal 1	MASSE D1 / RELAY D1	mechanical system not responding properly or out of adjustment
803	3	1902	Relay Diagonal 2	MASSE D2 / RELAY D2	voltage above normal or shorted high
803	4	1903	Relay Diagonal 2	MASSE D2 / RELAY D2	voltage below normal or shorted low
803	5	1904	Relay Diagonal 2	MASSE D2 / RELAY D2	current below normal or open circuit
803	6	1905	Relay Diagonal 2	MASSE D2 / RELAY D2	current above normal or grounded circuit
803	7	1906	Relay Diagonal 2	MASSE D2 / RELAY D2	mechanical system not responding properly or out of adjustment
806	3	1907	Diff - ASR Valve	DIF1	voltage above normal or shorted high
806	5	1908	Diff 1 - ASR Valve	DIF1	current below normal or open circuit
806	6	1909	Diff 1 - ASR Valve	DIF1	current above normal or grounded circuit
807	1	1910	Diff 2 - ASR Valve	DIF2	data valid, but below normal operation range (most severe level)
807	2	1911	Diff 2 - ASR Valve	DIF2	data erratic, intermittent or incorrect
807	3	1912	Diff 2 - ASR Valve	DIF2	voltage above normal or shorted high
807	4	1913	Diff 2 - ASR Valve	DIF2	voltage below normal or shorted low
807	5	1914	Diff 2 - ASR Valve	DIF2	current below normal or open circuit
807	6	1915	Diff 2 - ASR Valve	DIF2	current above normal or grounded circuit
807	7	1916	Diff 2 - ASR Valve	DIF2	mechanical system not responding properly or out of adjustment
807	8	1917	Diff 2 - ASR Valve	DIF2	abnormal frequency, pulse width or period
807	9	1918	Diff 2 - ASR Valve	DIF2	abnormal update rate
807	12	1919	Diff 2 - ASR Valve	DIF2	bad intelligent device or component
810	8	1920	Speed SignalInput	SPEED SIGNAL INPUT	abnormal frequency, pulse width or period
811	5	1921	Warning LightBulb	WARNING LIGHT BULB	current below normal or open circuit
1045	3	1922	Brake Light Switch 1	BRAKE LIGHT SWITCH 1	voltage above normal or shorted high
1045	5	1923	Brake Light Switch 1	BRAKE LIGHT SWITCH 1	current below normal or open circuit
1069	1	1924	Tire Dimension Supervision	TIRE DIMENSION SUPERVISION	data valid, but below normal operation range (most severe level)
520210	1	1925	ESC-module	VDC, ESC DATA LINK	data valid, but below normal operation range (most severe level)
520210	2	1926	ESC-module	VDC, ESC DATA LINK	data erratic, intermittent or incorrect
520210	5	1927	ESC-module	VDC, ESC DATA LINK	current below normal or open circuit
520210	9	1928	ESC-module	VDC, ESC DATA LINK	abnormal update rate
520210	12	1929	ESC-module	VDC, ESC DATA LINK	bad intelligent device or component
520210	13	1930	ESC-module	VDC, ESC DATA LINK	out of calibration
520210	14	1931	ESC-module	VDC, ESC DATA LINK	special instructions
1807	1	1932	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	data valid, but below normal operation range (most severe level)
1807	2	1933	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	data erratic, intermittent or incorrect
1807	7	1934	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	mechanical system not responding properly or out of adjustment
1807	8	1935	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	abnormal frequency, pulse width or period
1807	9	1936	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	abnormal update rate
1807	12	1937	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	bad intelligent device or component
1807	12	1938	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	bad intelligent device or component
1807	12	1939	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	bad intelligent device or component
1807	12	1940	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	bad intelligent device or component
1807	12	1941	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	bad intelligent device or component
1807	13	1942	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	out of calibration
1807	14	1943	Steering Wheel Angle	LWS DATA LINK, STEERING ANGLE SENSOR	special instructions
639	2	1944	J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link)	CAN DATA LINK	data erratic, intermittent or incorrect
639	5	1945	J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link)	CAN DATA LINK	current below normal or open circuit

Fault Com.	Kind of	TEMSA DTC	Component		Kind of Failure
639	7	1946	J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link)	CAN DATA LINK	mechanical system not responding properly or out of adjustment
639	8	1947	J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link)	CAN DATA LINK	abnormal frequency, pulse width or period
639	9	1948	J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link)	CAN DATA LINK	abnormal update rate
639	10	1949	J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link)	CAN DATA LINK	abnormal rate of change
639	12	1950	J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link)	CAN DATA LINK	bad intelligent device or component
639	13	1951	J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link)	CAN DATA LINK	out of calibration
639	14	1952	J1939 Network #1, Primary Vehicle Network (previously SAE J1939 Data Link)	CAN DATA LINK	special instructions
627	3	1953	Power Supply	POWER SUPPLY	voltage above normal or shorted high
630	2	1954	Calibration Memory	CALIBRATION MEMORY	data erratic, intermittend or incorrect
630	12	1955	Calibration Memory	CALIBRATION MEMORY	bad intelligent device or component
630	13	1956	Calibration Memory	CALIBRATION MEMORY	out of calibration
630	14	1957	Calibration Memory	CALIBRATION MEMORY	special instructions
629	5	1958	Controller #1	CONTROLLER	current below normal or open circuit
629	8	1959	Controller #1	CONTROLLER	abnormal frequency, pulse width or period
629	9	1960	Controller #1	CONTROLLER	abnormal update rate
629	12	1961	Controller #1	CONTROLLER	bad intelligent device or component
629	13	1962	Controller #1	CONTROLLER	out of calibration
629	14	1963	Controller #1	CONTROLLER	special instructions