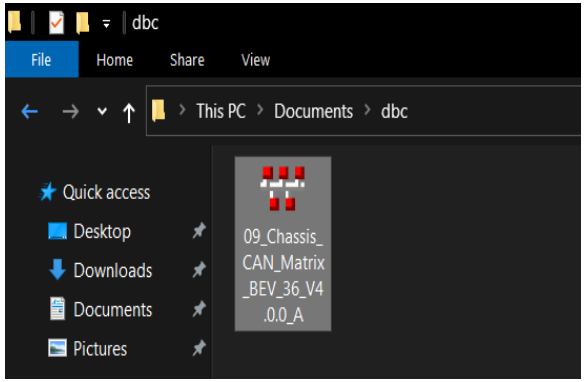
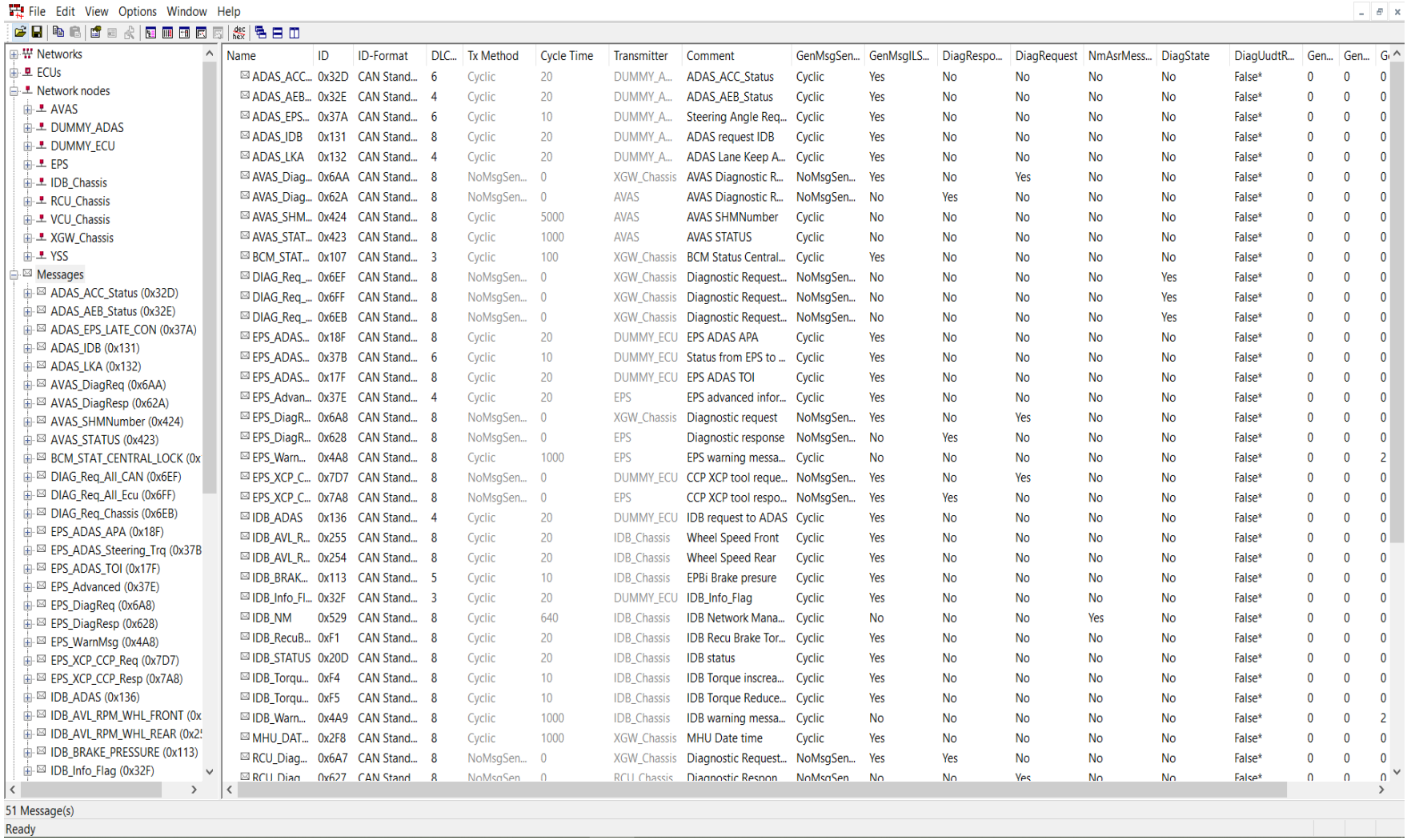
DBC to Excel Converter

Tool usage documentation

Step 1 – Open any CAN dbc (.dbc) file using Vector CANdb++ editor

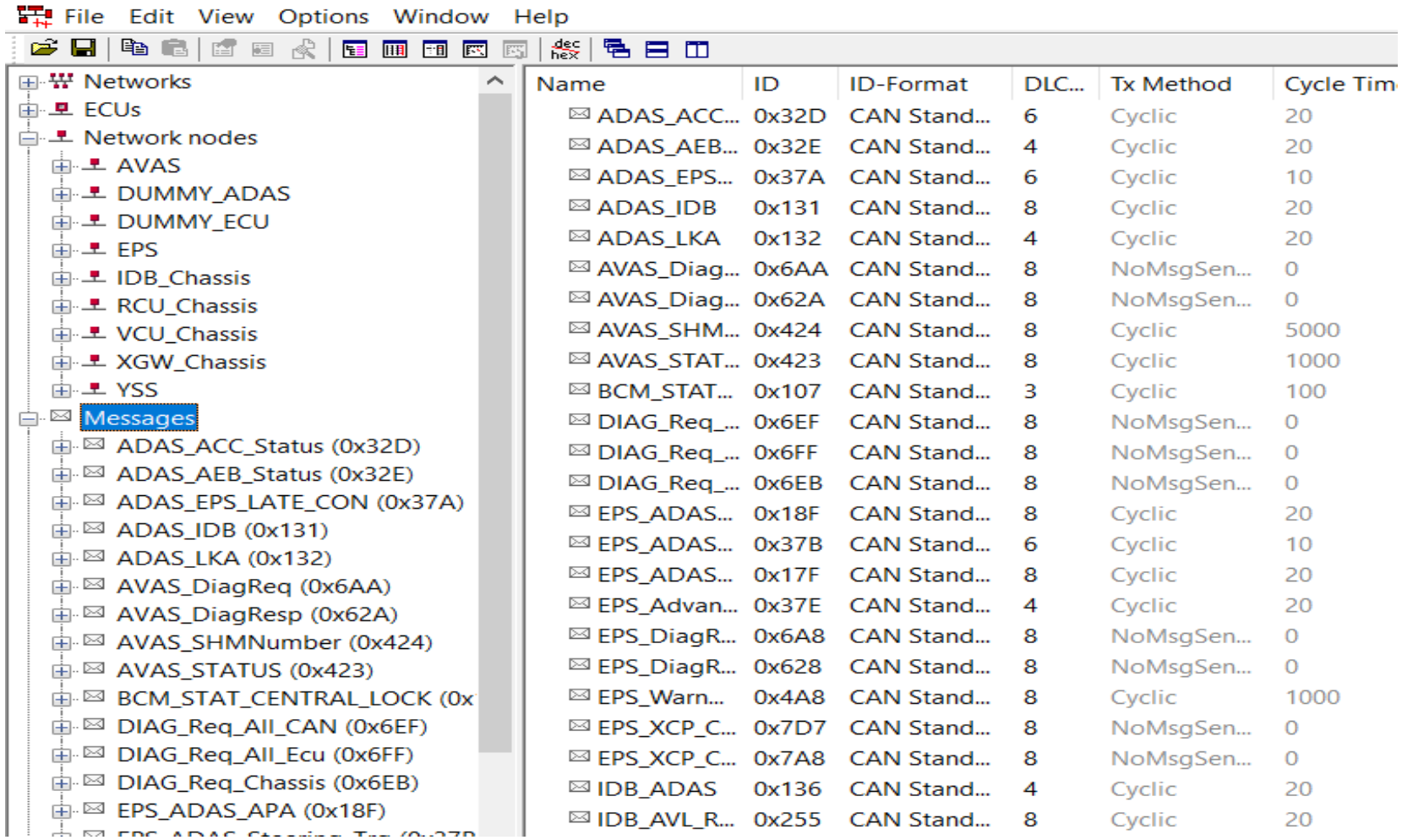
Note : DBC file should not be corrupt





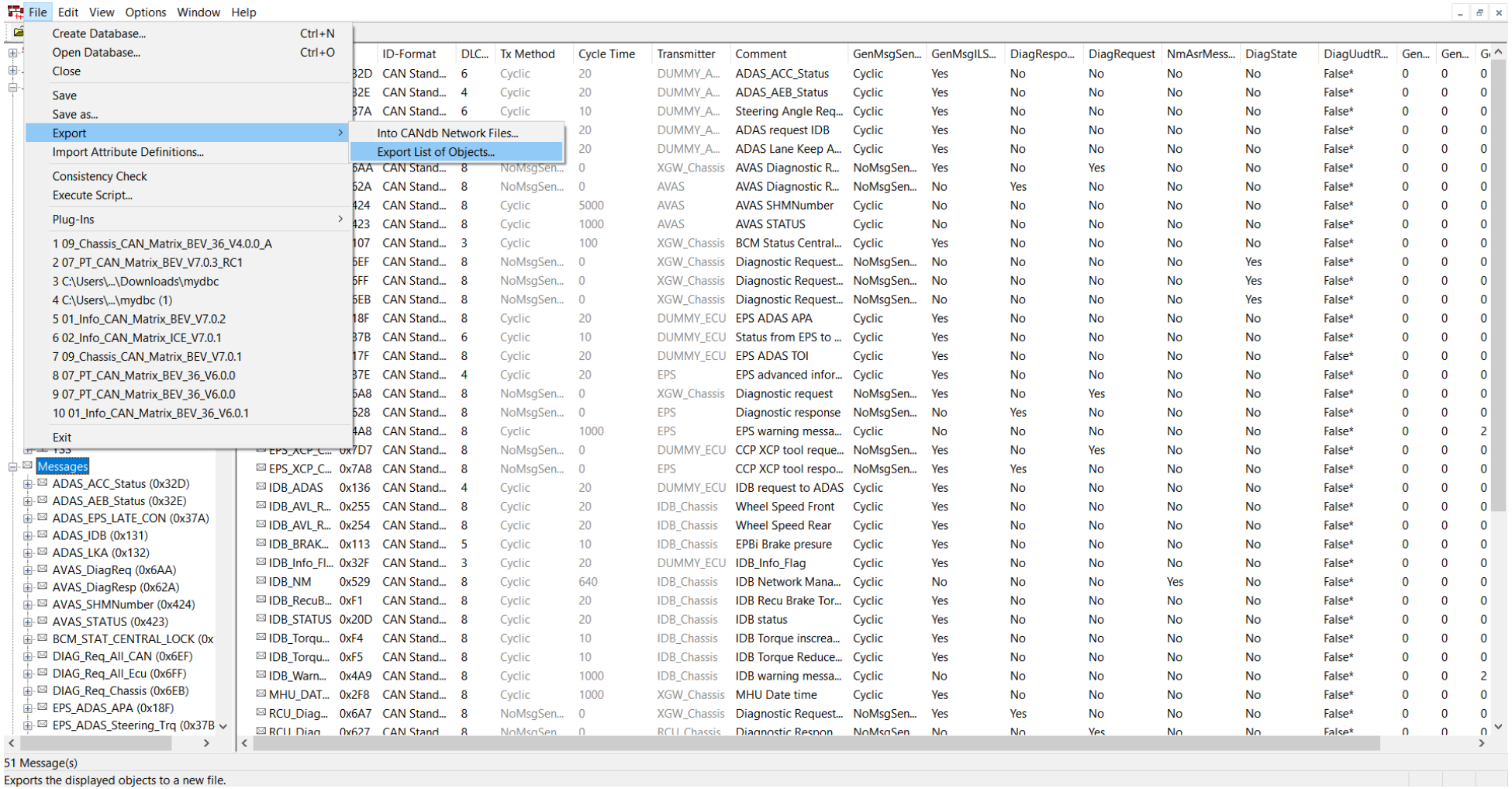
Step 2 – Exporting Message data to a csv file

- Click on Messages in the left tab



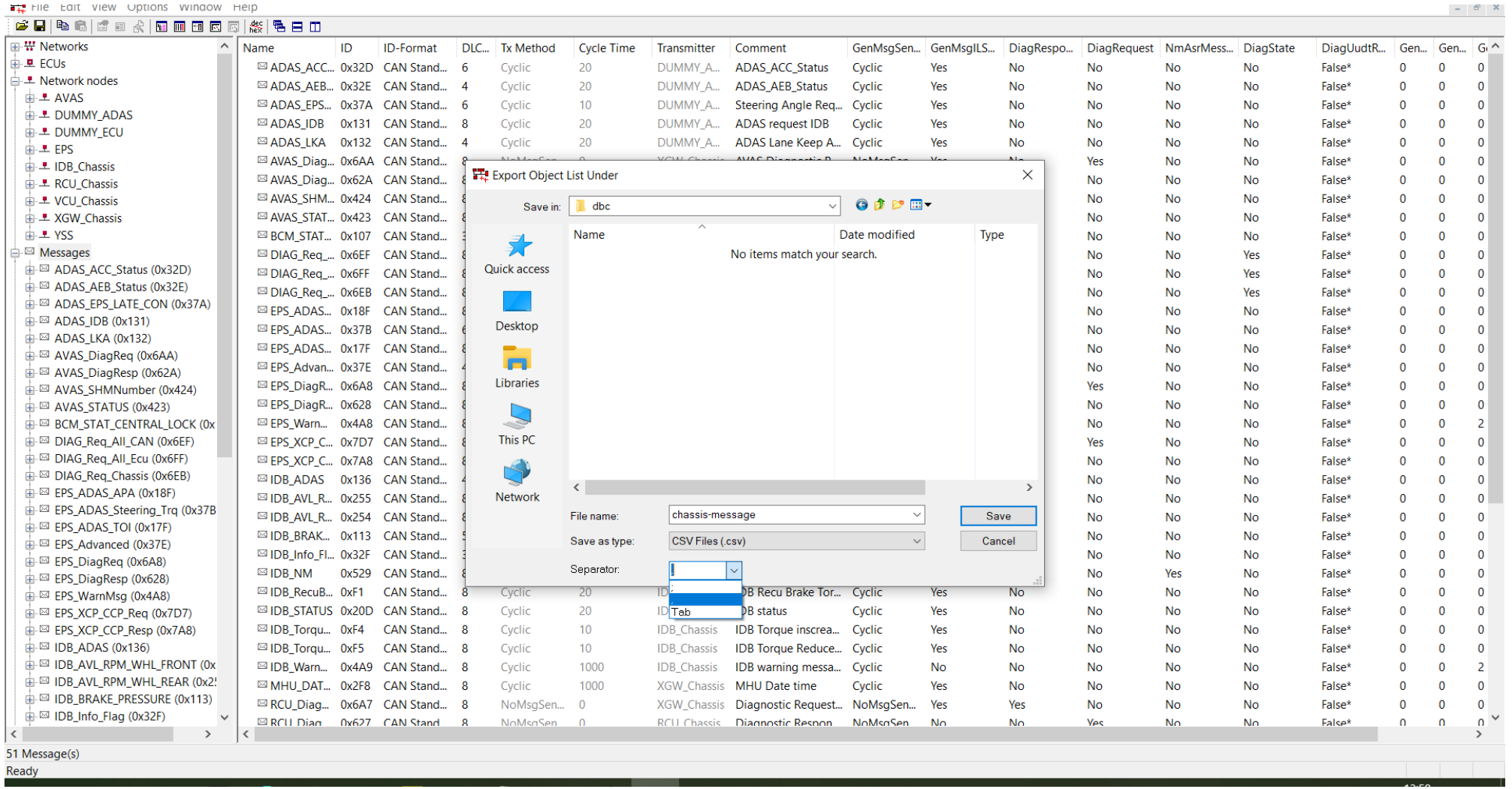
Step 2 – Exporting Message data to a csv file

- Go to File -> Export -> Export List of Objects



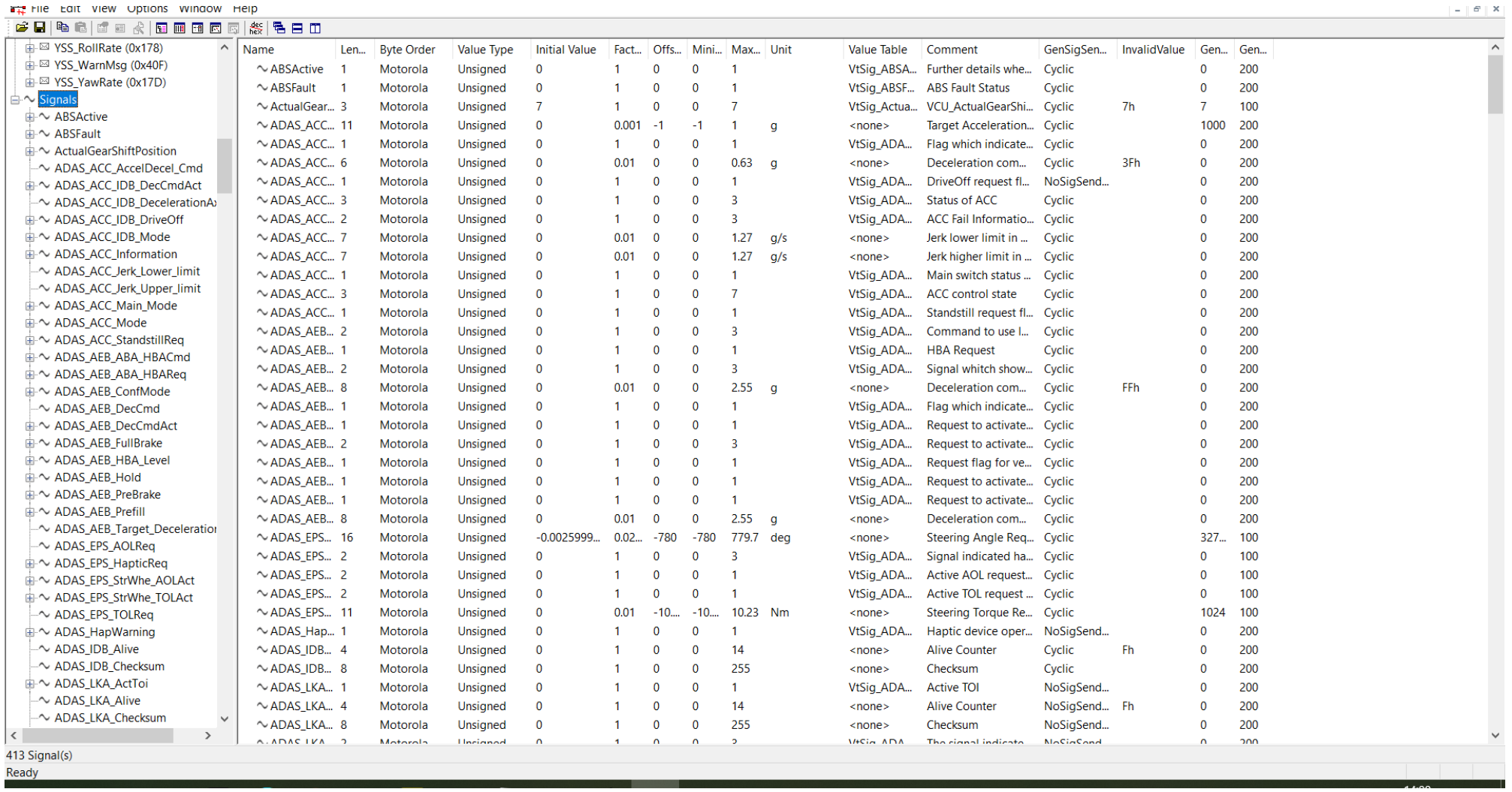
Step 2 – Exporting Message data to a csv file

- Give any file name.
- Ensure Separator is , (comma) and then click save.



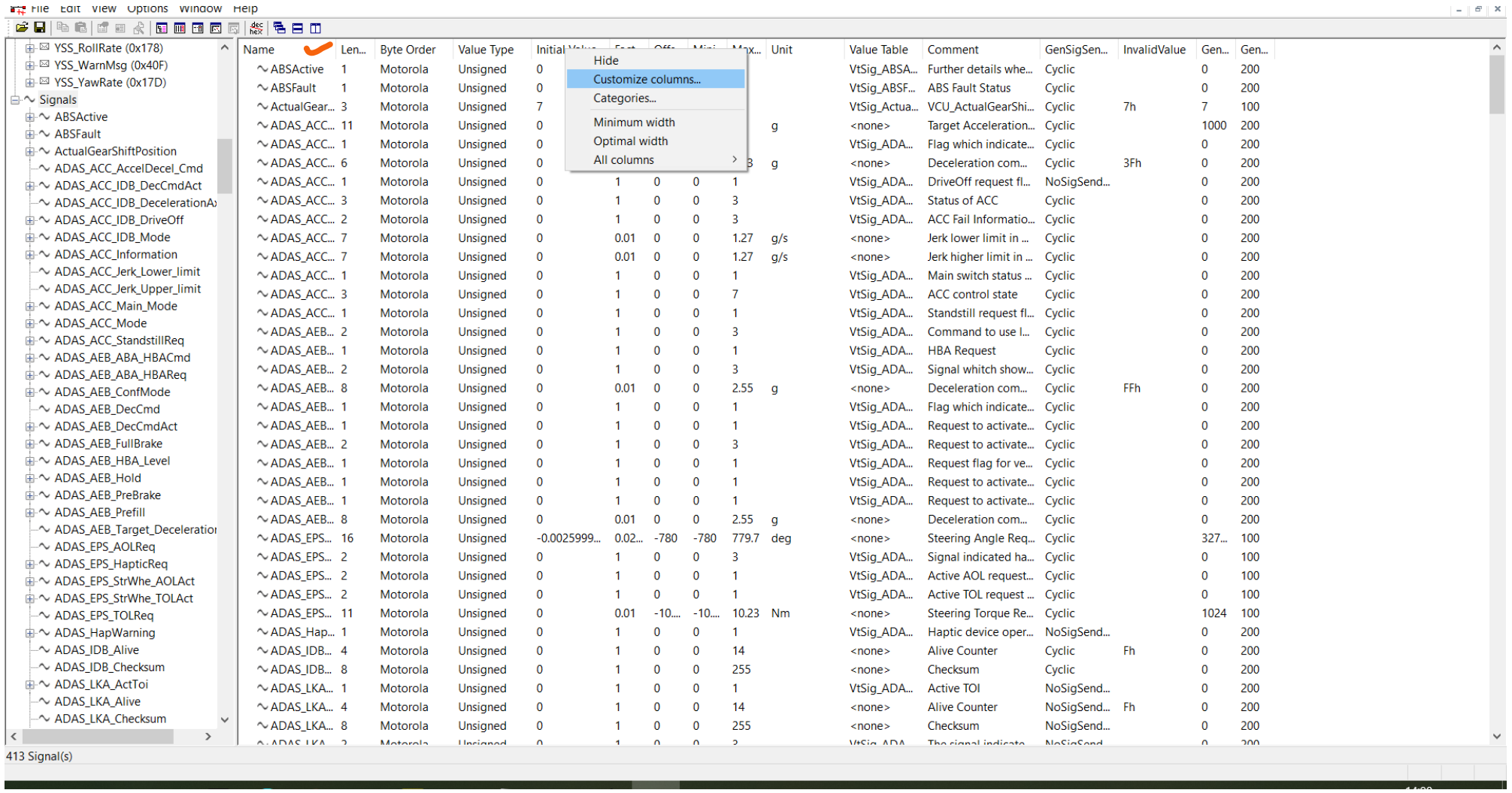
Step 3 – Exporting Signals data to a csv file

- Click on Signals in left tab



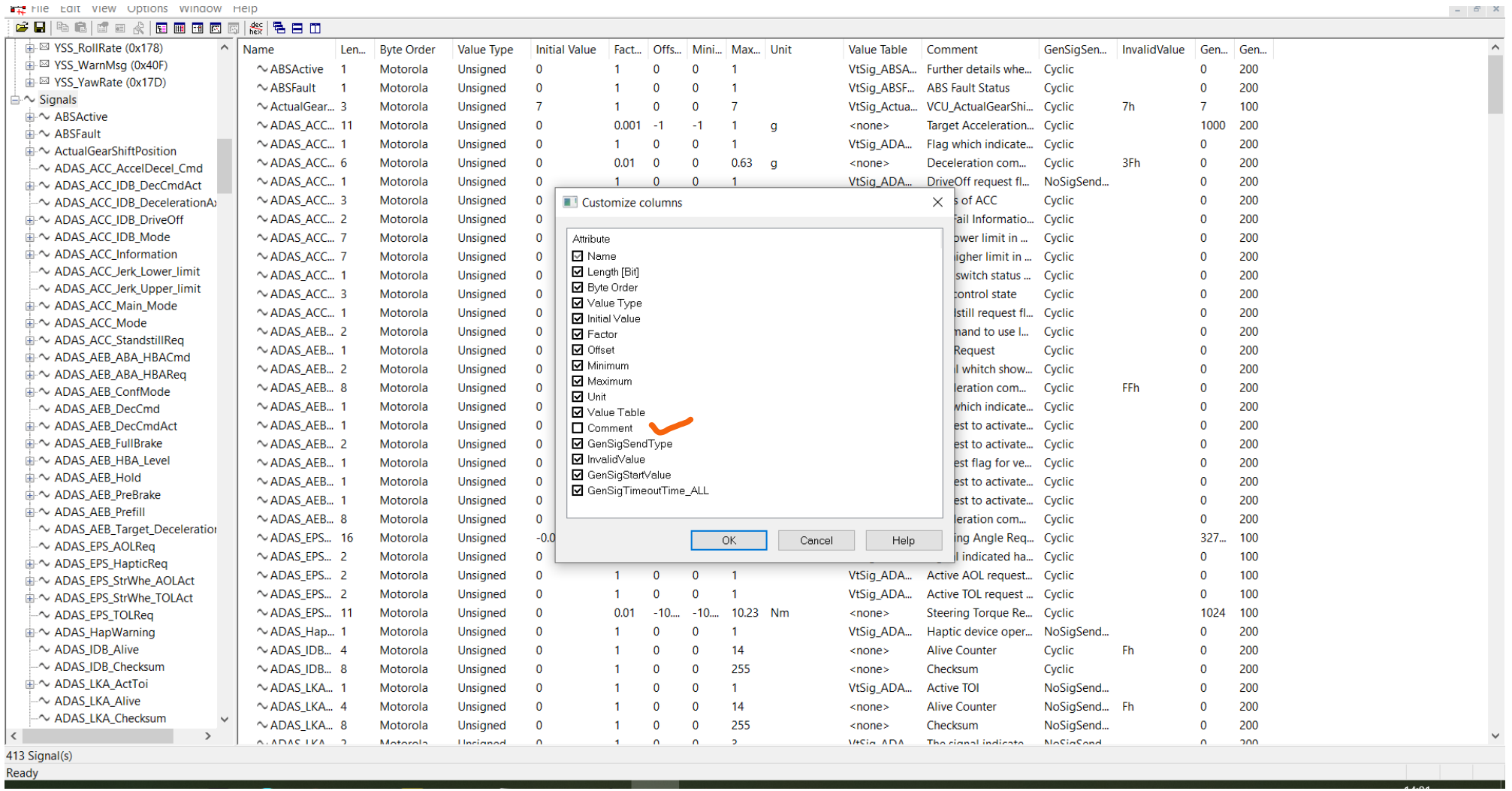
Step 3 – Exporting Signals data to a csv file

- Right click on the 1st row (on Name or Length etc) in right tab
- Select customize columns



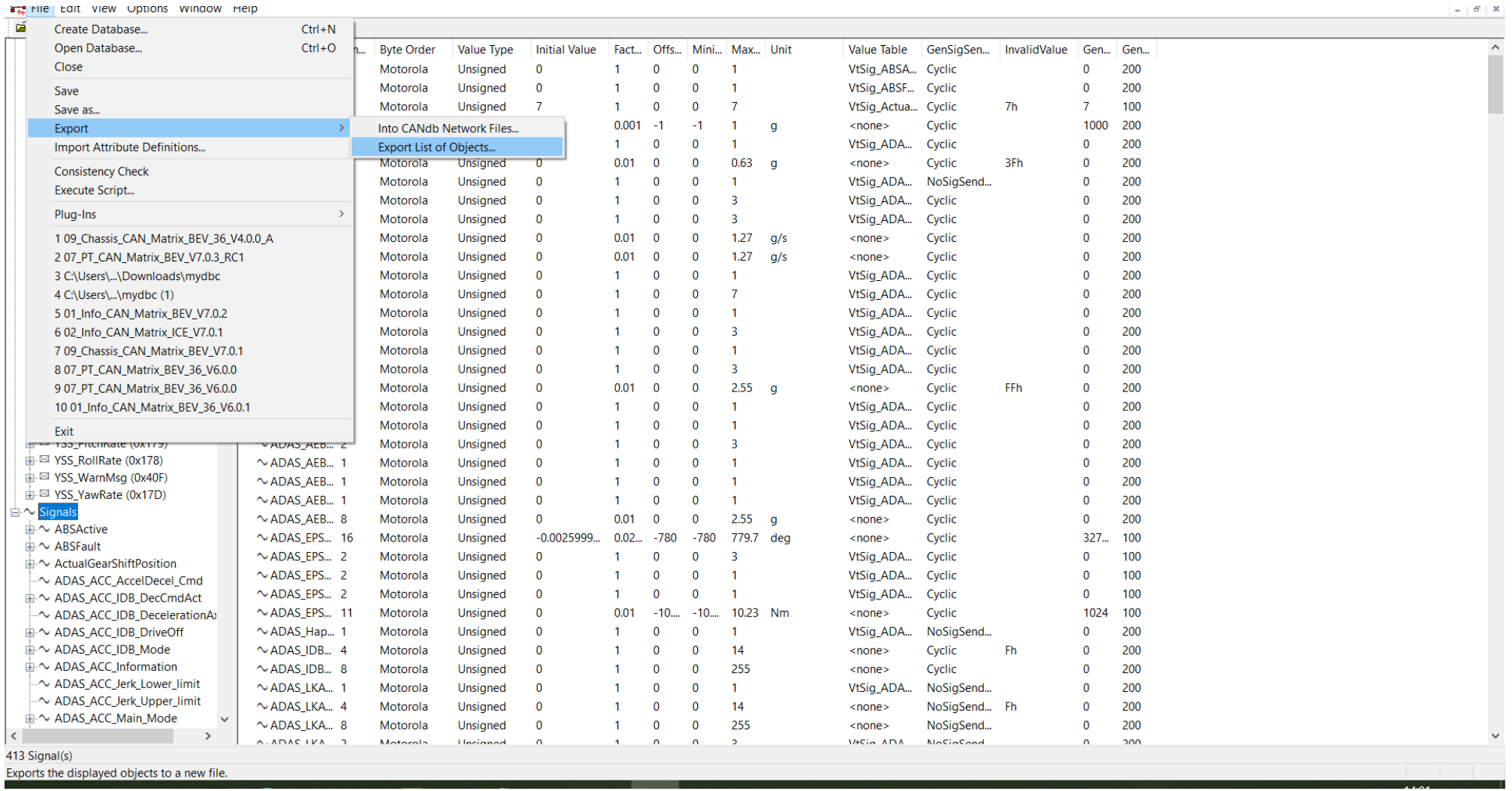
Step 3 – Exporting Signals data to a csv file

- Unselect comment and click OK.



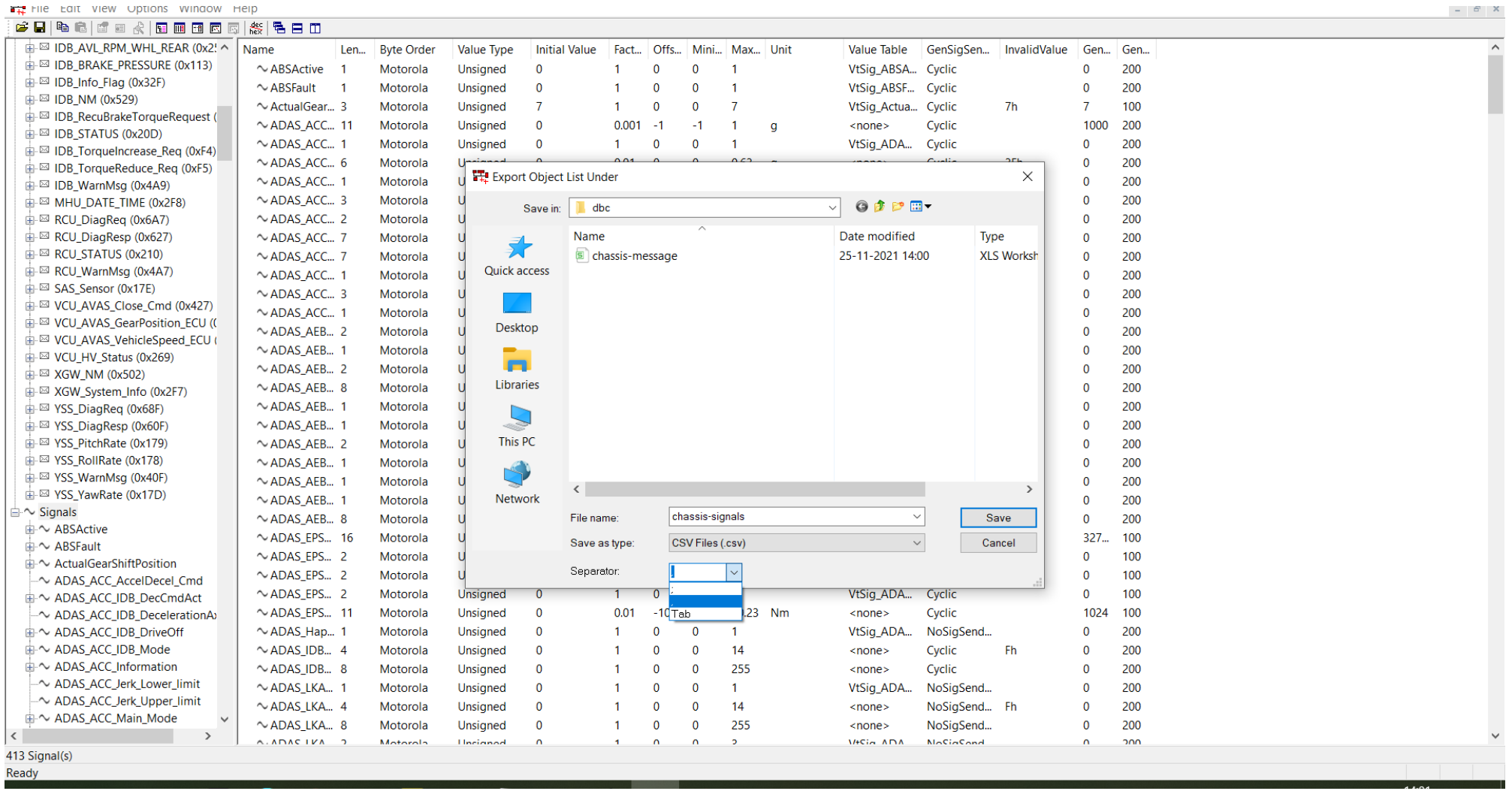
Step 3 – Exporting Signals data to a csv file

- Go to File -> Export -> Export List of Objects



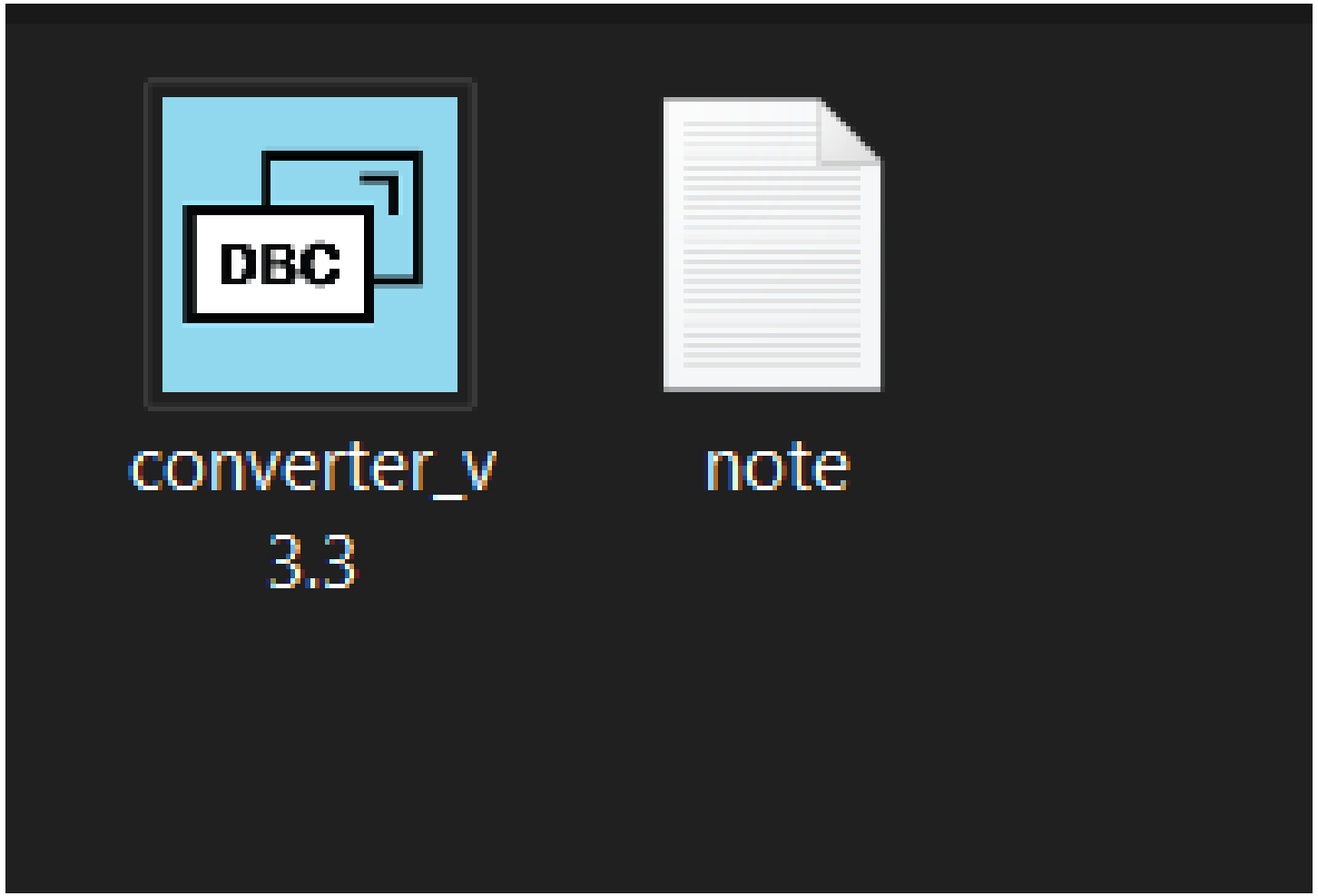
Step 3 – Exporting Signals data to a csv file

- Give any file name.
- Ensure Separator is , (comma) and then click save.



Step 4 – Convert using Tool

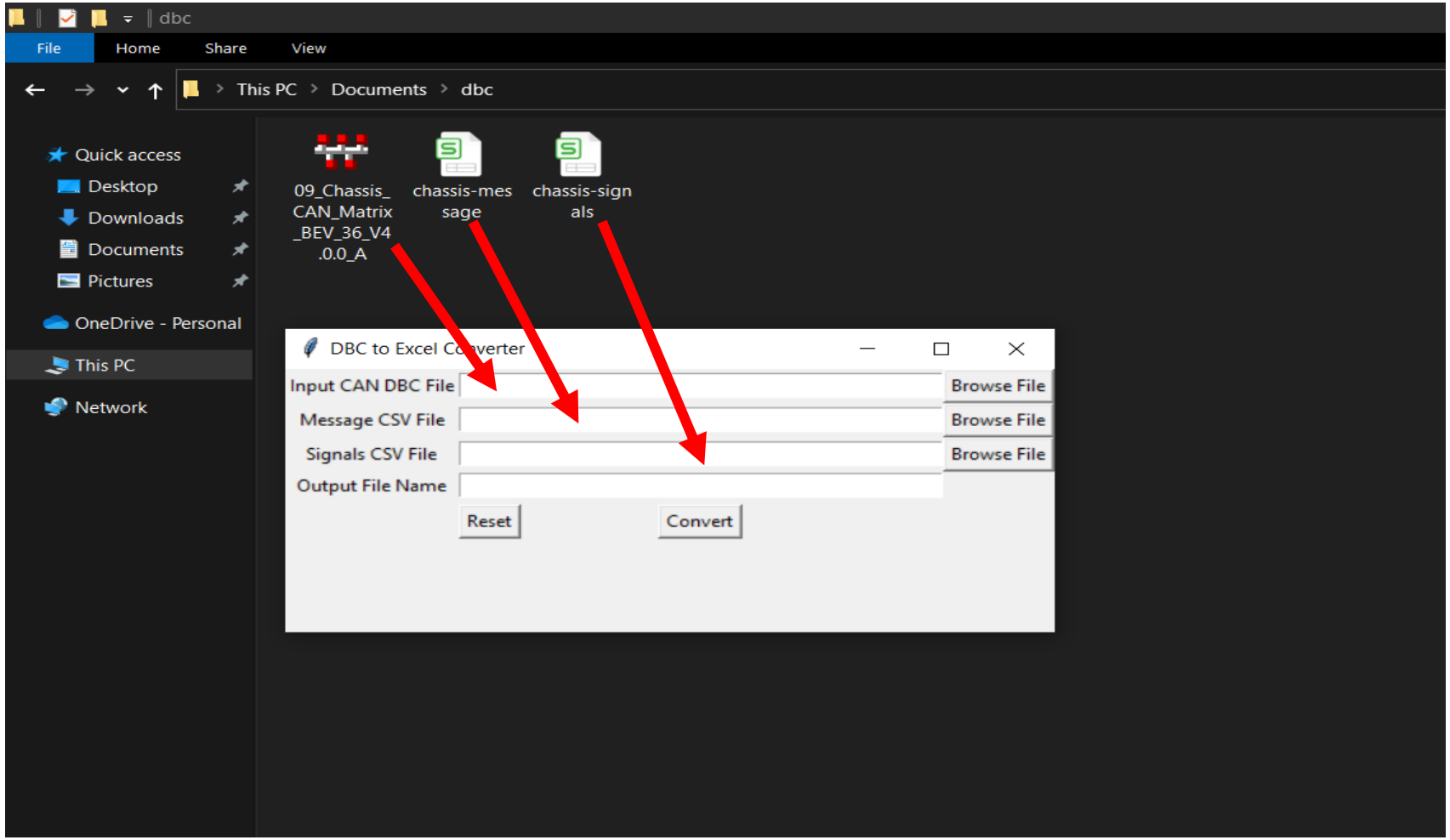
- Open converter.exe



Step 4 – Convert using Tool

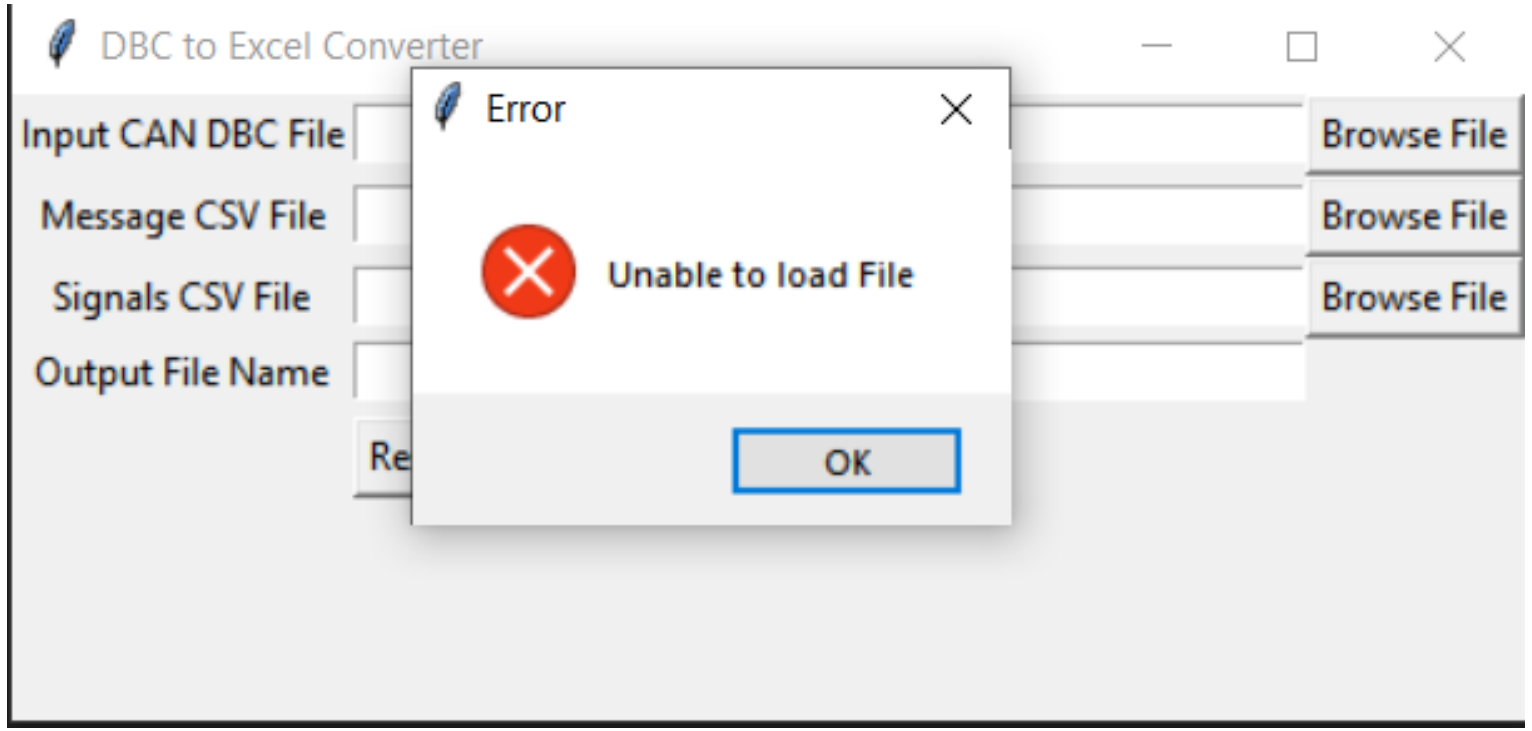
- Click on Browse File button to browse required files as shown

Note - There should not be any consistency error in the dbc file



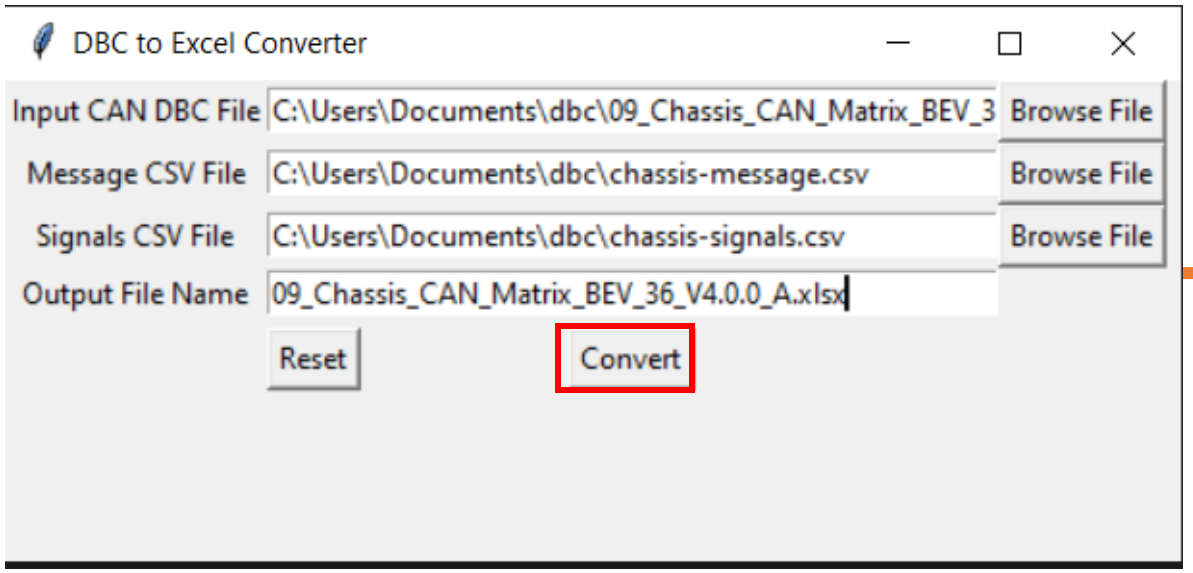
Step 4 – Convert using Tool

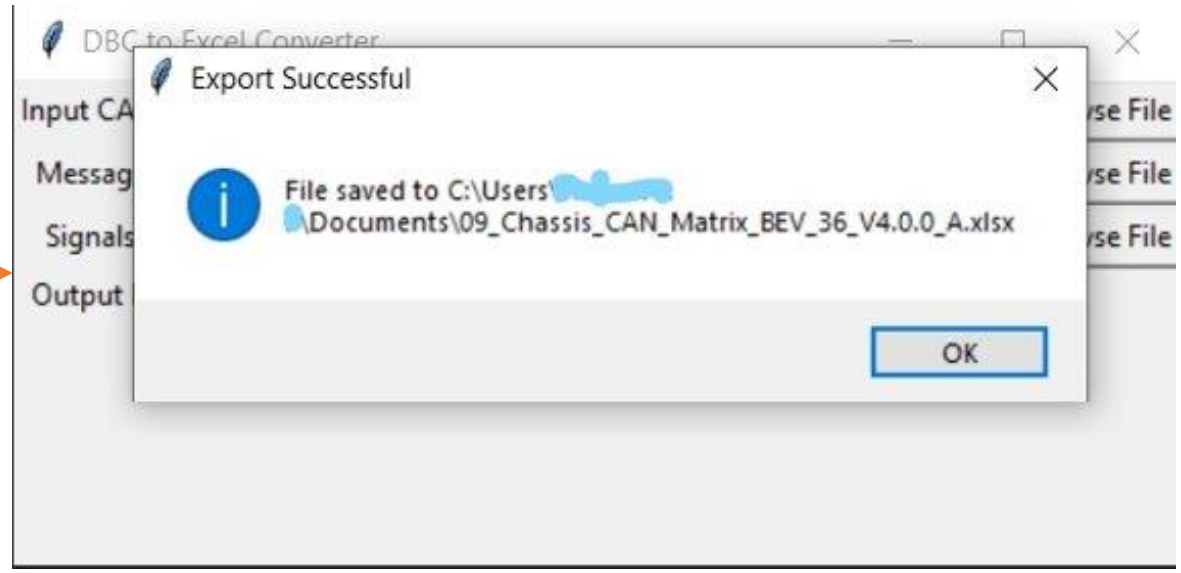
Note - There should not be any consistency error in the dbc file.
If error is present, then it will not be able to load the dbc file.



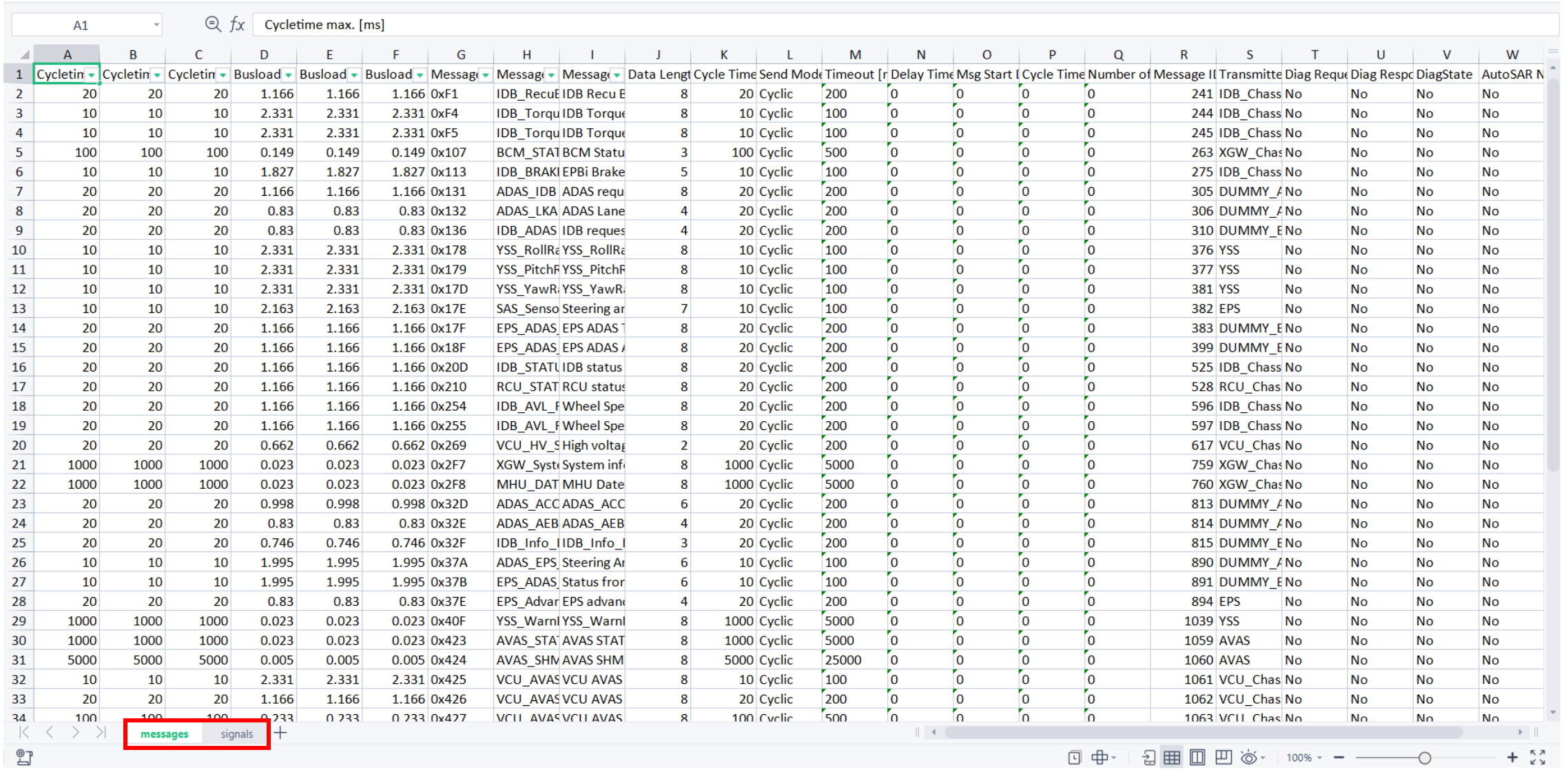
Step 4 – Convert using Tool

- Click on Convert button
- Output Excel file will be saved in **C:\Users\[user name]\Documents\[file name]**





Step 5 – Copy messages and signals sheet to required excel



A1 | Cycletime max. [ms]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Cycletin	Cycletin	Cycletin	Busload	Busload	Busload	Message	Message	Message	Data Lengt	Cycle Time	Send Mode	Timeout [r	Delay Time	Msg Start I	Cycle Time	Number of	Message II	Transmitte	Diag Reque	Diag Respc	DiagState	AutoSAR N
2	20	20	20	1.166	1.166	1.166	0xF1	IDB_RecuE	IDB Recu E	8	20	Cyclic	200	0	0	0	0	241	IDB_Chass	No	No	No	No
3	10	10	10	2.331	2.331	2.331	0xF4	IDB_Torqu	IDB Torque	8	10	Cyclic	100	0	0	0	0	244	IDB_Chass	No	No	No	No
4	10	10	10	2.331	2.331	2.331	0xF5	IDB_Torqu	IDB Torque	8	10	Cyclic	100	0	0	0	0	245	IDB_Chass	No	No	No	No
5	100	100	100	0.149	0.149	0.149	0x107	BCM_STAT	BCM Statu	3	100	Cyclic	500	0	0	0	0	263	XGW_Chas	No	No	No	No
6	10	10	10	1.827	1.827	1.827	0x113	IDB_BRAKI	EPBi Brake	5	10	Cyclic	100	0	0	0	0	275	IDB_Chass	No	No	No	No
7	20	20	20	1.166	1.166	1.166	0x131	ADAS_IDB	ADAS requ	8	20	Cyclic	200	0	0	0	0	305	DUMMY_A	No	No	No	No
8	20	20	20	0.83	0.83	0.83	0x132	ADAS_LKA	ADAS Lane	4	20	Cyclic	200	0	0	0	0	306	DUMMY_A	No	No	No	No
9	20	20	20	0.83	0.83	0.83	0x136	IDB_ADAS	IDB reques	4	20	Cyclic	200	0	0	0	0	310	DUMMY_E	No	No	No	No
10	10	10	10	2.331	2.331	2.331	0x178	YSS_RollRa	YSS_RollRa	8	10	Cyclic	100	0	0	0	0	376	YSS	No	No	No	No
11	10	10	10	2.331	2.331	2.331	0x179	YSS_PitchR	YSS_PitchR	8	10	Cyclic	100	0	0	0	0	377	YSS	No	No	No	No
12	10	10	10	2.331	2.331	2.331	0x17D	YSS_YawRa	YSS_YawRa	8	10	Cyclic	100	0	0	0	0	381	YSS	No	No	No	No
13	10	10	10	2.163	2.163	2.163	0x17E	SAS_Senso	Steering ar	7	10	Cyclic	100	0	0	0	0	382	EPS	No	No	No	No
14	20	20	20	1.166	1.166	1.166	0x17F	EPS_ADAS	EPS ADAS T	8	20	Cyclic	200	0	0	0	0	383	DUMMY_E	No	No	No	No
15	20	20	20	1.166	1.166	1.166	0x18F	EPS_ADAS	EPS ADAS A	8	20	Cyclic	200	0	0	0	0	399	DUMMY_E	No	No	No	No
16	20	20	20	1.166	1.166	1.166	0x20D	IDB_STATU	IDB status	8	20	Cyclic	200	0	0	0	0	525	IDB_Chass	No	No	No	No
17	20	20	20	1.166	1.166	1.166	0x210	RCU_STAT	RCU status	8	20	Cyclic	200	0	0	0	0	528	RCU_Chas	No	No	No	No
18	20	20	20	1.166	1.166	1.166	0x254	IDB_AVL_F	Wheel Spe	8	20	Cyclic	200	0	0	0	0	596	IDB_Chass	No	No	No	No
19	20	20	20	1.166	1.166	1.166	0x255	IDB_AVL_F	Wheel Spe	8	20	Cyclic	200	0	0	0	0	597	IDB_Chass	No	No	No	No
20	20	20	20	0.662	0.662	0.662	0x269	VCU_HV_S	High voltag	2	20	Cyclic	200	0	0	0	0	617	VCU_Chas	No	No	No	No
21	1000	1000	1000	0.023	0.023	0.023	0x2F7	XGW_Syst	System inf	8	1000	Cyclic	5000	0	0	0	0	759	XGW_Chas	No	No	No	No
22	1000	1000	1000	0.023	0.023	0.023	0x2F8	MHU_DAT	MHU Date	8	1000	Cyclic	5000	0	0	0	0	760	XGW_Chas	No	No	No	No
23	20	20	20	0.998	0.998	0.998	0x32D	ADAS_ACC	ADAS_ACC	6	20	Cyclic	200	0	0	0	0	813	DUMMY_A	No	No	No	No
24	20	20	20	0.83	0.83	0.83	0x32E	ADAS_AEB	ADAS_AEB	4	20	Cyclic	200	0	0	0	0	814	DUMMY_A	No	No	No	No
25	20	20	20	0.746	0.746	0.746	0x32F	IDB_Info_I	IDB_Info_I	3	20	Cyclic	200	0	0	0	0	815	DUMMY_E	No	No	No	No
26	10	10	10	1.995	1.995	1.995	0x37A	ADAS_EPS_	Steering Ar	6	10	Cyclic	100	0	0	0	0	890	DUMMY_A	No	No	No	No
27	10	10	10	1.995	1.995	1.995	0x37B	EPS_ADAS_	Status fror	6	10	Cyclic	100	0	0	0	0	891	DUMMY_E	No	No	No	No
28	20	20	20	0.83	0.83	0.83	0x37E	EPS_Advar	EPS advanc	4	20	Cyclic	200	0	0	0	0	894	EPS	No	No	No	No
29	1000	1000	1000	0.023	0.023	0.023	0x40F	YSS_Warnl	YSS_Warnl	8	1000	Cyclic	5000	0	0	0	0	1039	YSS	No	No	No	No
30	1000	1000	1000	0.023	0.023	0.023	0x423	AVAS_STA	AVAS STAT	8	1000	Cyclic	5000	0	0	0	0	1059	AVAS	No	No	No	No
31	5000	5000	5000	0.005	0.005	0.005	0x424	AVAS_SHM	AVAS SHM	8	5000	Cyclic	25000	0	0	0	0	1060	AVAS	No	No	No	No
32	10	10	10	2.331	2.331	2.331	0x425	VCU_AVAS	VCU AVAS	8	10	Cyclic	100	0	0	0	0	1061	VCU_Chas	No	No	No	No
33	20	20	20	1.166	1.166	1.166	0x426	VCU_AVAS	VCU AVAS	8	20	Cyclic	200	0	0	0	0	1062	VCU_Chas	No	No	No	No
34	100	100	100	0.233	0.233	0.233	0x427	VCU_AVAS	VCU AVAS	8	100	Cyclic	500	0	0	0	0	1063	VCU_Chas	No	No	No	No

messages | signals

THANK YOU!