Global MX-5 Cup ND2 Bosch ECU Data File Download Instructions

Purpose:

The purpose of this document is to provide instructions on how to download the two data files from the Bosch MS6 Cup ECU in the 2019+ Global MX-5 Cup ND.2 race car. The MS6 Cup ECU logs two separate data files containing different information at two different speeds. The data files are password protected and not viewable by the end user, but they can be downloaded and sent in to Long Road Racing for Review if there isn't sufficient information in the AiM MXL2 data log to troubleshoot an engine related issue. Always start by reviewing the MXL2 data log as it has enough information to evaluate most common problems.

1. Download and Install Bosch's WinDarab software. WinDarab can be downloaded from the Bosch-Motorsports website:

http://www.bosch-motorsport.de/content/downloads/Raceparts/en-GB/55459595119442699.html#/Tabs=55539979/

- 2. Connect your computer to the ECU with an Ethernet cable through the Ethernet port in the Passenger side of the Dash.
- 3. Open the WinDarab software.
- 4. Click on the Car Icon on the top left corner of the program window to open the Data Logger Import Screen.
- 5. Click okay on the saving measurement file failed pop up if it comes up.
 - a. This popup occurs if there is a file already saved in the default location with the default file name. Clicking OK opens a save dialog that allows you to select the save location and edit the file name.

Data source: FTP 06.03.2019 17:15:56						0 KB/s	Network MS6 - 10.10.0.202	♦ < 1 ms
Name	Size (MB)	Get	Get (MB)	Date/Time	Progress			
FTP 06.03.2019 17:15:56	4.8	~	4.8	3/5/2019 11:09:49 AM	Transferring	g: 65%		
Outing #009 (Engine)	2.1	~	2.1	3/5/2019 11:09:49 AM	Data transf	ormation fini	ished	
🔤 Lap #001	07	~	0.7	¥/5/2019 11-09-49 ΔΜ	Data transfe	ormation fini	ished	
🔤 Lap #001	Saving measureme	nt file	ailed			×	hed	
Lap #001 ↓ ↓ Lap #009 (Chassis) ↓ Lap #001 ↓ Lap #001 ↓ Lap #001 ↓ Lap #001	Image: Criterian Criteria							
							2	

- 6. Save the file in a location you'll be able to easily locate. Recommended default storage location is in C:\Bosch\WinDarab\Data\DataFiles
 - a. Add a short Note about the File in front of the default name and Click Save.
 - i. Ex: Engine Miss VIN1234 Logging1 (100@20hs) outing-01—01

My Documents	-	Name	Date modified	Type	Size	
My Music		1 agains? (200@50hz) outing -0101	1/16/2019 2:30 PM	WinDarab Recordi	1 375 KB	
My Pictures		Decinal outing -0102	10/23/2018 5:38 PM	WinDarab Recordi	68.897 KB	
My Videos		99 Logginal outing -0101	10/23/2018 5:17 PM	WinDarab Recordi	728.051 KB	
Pictures		90 Logging1 (100@20hz) outing -0101	1/16/2019 2:30 PM	WinDarab Recordi	781 KB	
A Roaming		90 dyno3 cutout 10-24-18	10/24/2018 10:38	WinDarab Recordi	12.175 KB	
Saved Games	-	20 dyno2 cutout 10-24-18	10/24/2018 10:24	WinDarab Recordi	19 985 KB	
Searches		90 dyno1 cutout 10-24-18	10/24/2018 9:22 AM	WinDarab Recordi	144.045 KB	
Computer		\$0 dyno 5 car 1 no issues 10-24-18	10/24/2018 6:07 PM	WinDarab Recordi	110.005 KB	
Windows7_OS (C:)		I dyno 4 car2 no issue 10-24-18	10/24/2018 1:06 PM	WinDarab Recordi	322,422 KB	
2020ssi		to building laps	10/23/2018 6-28 PM	WinDarab Recordi	43.721 KB	
AIM_SPORT		90 ABS test 2 10-24-18	10/24/2018 5:28 PM	WinDarab Recordi	30,887 KB	
Autodesk		00 ABS test 1 10-24-18	10/24/2018 4:02 PM	WinDarab Recordi	37,840 KB	
Bosch		\$0 1511 Logging2 (200@50hz) outing -0101	1/31/2019 3:48 PM	WinDarab Recordi	1.283 KB	
ModasSport		2019-03-01 MXS CUp 0103 Release Tests	3/1/2019 12:58 PM	File folder		
Ju WinDarab		2019-02-25 ECU Rev 2 Dyno run	2/26/2019 9:57 AM	File folder		
Ju Config		2019-02-22-19 MMR Conversion Issue	2/27/2019 3:36 PM	File folder		
di Data		2019-02-16 Production VIN 0326 Ch186	2/6/2019 11:44 AM	File folder		
DataFiles 1-10-19 2018 Conversion 2018-11-9 Sebring *		2019-02-14 ECU 1592 Stumble	2/14/2019 9:25 AM	File folder		
		2019-02-12 2016 Conversion	2/12/2019 3:47 PM	File folder		
File name: Logging1 (100020hr) o	uting	-0101				
Save as tune: WinDarah v7						

7. A Save As window for the 2nd logging file will pop up similar to the first. Save that file with the same description and in the same folder as the first file.

ame	Size (MB) Get Get (MB) Date/Time Progress						
Cating #000 (Engine)	4.8 1/2 4.8 1/2/2019 11:09:49 AV File exported: No Clutch Engine Tumover Logging1 (LOUB2002) outing						
El ao #001	0.7 V 0.7 US/2019 11:09:49 AV Data transformation finished						
Lan #001	Saving measurement file failed						
Pa Lap #001	led						
Lap #001	hed						
Outing #009 (Chassis)	The measurement file couldn't be saved:						
Lap #001	C:\Bosch\WinDarab\Data\DataHiles\Logging2 (200@50hz) outing -0101.hmshin						
Lap #001	Error 183: ied						
Lap #001							
Corb +001	(CFRésception) The Save as' dialog will be shown net OK						

a. Ex. Engine Miss VIN1234 Logging2 (200@50hz) outing -1-01

8. After saving both files, close the Data logger Import window by clicking the "X" in the upper right hand corner.

ime	Size (MB)	Get	Get (MB)	Date/Time	Progress
FTP 06.03.2019 17:15:56	4.8	2	4.8	1/5/2019 11:09:49 AM	File exported: No Clutch Engine Turnover Logging2 (200@50hz) outir
Cuting #009 (Engine)	2.1	12	2.1	1/5/2019 11:09:49 AM	Data transformation finished
Lap #001	0.7	1	0.7	1/5/2019 11:09:49 AM	Data transformation finished
Tap #001	0.7	~	0.7	1/5/2019 11:11:56 AM	Data transformation finished
" Lap #001	0.4	1	0.4	3/6/2019 5:11:48 PM	Data transformation finished
Lap #001	0.4	2	0.4	3/6/2019 5:11:58 PM	Data transformation finished
Outing #009 (Chassis)	2.7	~	2.7	1/5/2019 11:09:49 AM	Data transformation finished
Lap #001	1.0	~	1.0	1/5/2019 11:09:49 AM	Data transformation finished
Lap #001	0.9	~	0.9	1/5/2019 11:11:56 AM	Data transformation finished
Lap #001	0.4	~	0.4	3/6/2019 5:11:48 PM	Data transformation finished
Pa Lap #001	0.4	~	0.4	3/6/2019 5:11:58 PM	Data transformation finished