

Script.CAN.MERCEDES-BENZ.EVITO.2020.W1V44760_23.v1.13.3.5_MG

MERCEDES-BENZ EVITO 2020 CAN Script



The compatibility of this script can only be guaranteed for:

1. MERCEDES-BENZ EVITO 2020 model
2. Vehicles with a VIN Number that starts with: **W1V44760_23**

This script can be used with the following devices:

1. MiX 4000
2. MiX 6000
3. FM3316 and FM3306 Communicators
4. FM3517i and FM3507i Communicators
5. FM3617i and FM3607i Communicators
6. FM3717i and FM3707i Communicators
7. FM3817i and FM3807i Communicators

Version History

Reference	Version	Changes
SCR-1653	v1.12.1.0	<p>This script supports the standard system Parameters:</p> <p>Speed, RPM, State of Charge, ECMST, Driver Seatbelt, Odo, Brake Pedal.</p> <p>The script should be compatible with vehicles with a VIN starting with: W1V44760_23</p>
EVF-10	v1.12.1.1	<p>This script supports the standard system Parameters:</p> <p>Speed, RPM, State of Charge, ECMST, Driver Seatbelt, Odo, Brake Pedal.</p> <p>The script should be compatible with vehicles with a VIN starting with: W1V44760_23</p> <p>*Updated parameter names/descriptions to match new standard EV params</p>
SCR-2022	v1.13.1.1	<p>This script supports the standard system Parameters:</p> <p>Speed, RPM, State of Charge, ECMST, Driver Seatbelt, Odo, Brake Pedal.</p> <p>The script should be compatible with vehicles with a VIN starting with: W1V44760_23</p> <p>*Added EV params required for energy logical to avoid compile issues</p>
FE-2510	v1.13.1.2	<p>This script supports the standard system Parameters:</p> <p>Speed, RPM, State of Charge, ECMST, Driver Seatbelt, Odo, Brake Pedal.</p> <p>The script should be compatible with vehicles with a VIN starting with: W1V44760_23</p> <p>*Added parameters required for the energy logical device. The scaling values of the required parameters for the energy logical device have been changed to doubles. Note: This change will only take effect if the existing parameters with their current scaling values are deleted on the DynaMiX servers.</p>

SR-18050	v1.13.1.3	*Implemented a 5-second timeout for Driver Seatbelt after which the signal will default to, Not Available
SR-18050	v1.13.2.3	*Set negative RPM values to 0 to avoid pre- and post-trip RPM spikes. Converted to Production Version and enabled Odo-Sync
SR-20065 SR-20046	v1.13.2.4	*Replaced existing Odometer and State of Charge signals.
SR-20065	V1.13.3.5	*Reverted to previous Odometer signal and added timeout to Odo signal.

Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
CAN_V	System.Scratch40D	Vehicle Speed	
CAN_N	System.Scratch40C	Engine RPM	
SBLTS	System.FM.CAN.SBLTS	FM CAN: Seat Belt State	0 = Not Available 1 = Engaged 2 = Disengaged
FMODO	System.FM.CAN.FMODO	FM CAN: Odometer	
EBSOC	System.FM.CAN.EBSOC	EV CAN: State of charge	
BRKPS	System.FM.CAN.BRKPS	FM CAN: Brake Pedal State	0 = Not Available 1 = Released 2 = Depressed

Installation Notes

1. **The script is NOT compatible with TRACERS**
2. The CAN jumpers must be in a position to ONLY allow **read** actions on the CAN bus (Passive Mode)
3. The script supports 11-bit CAN headers.
4. The script only supports a CAN bus with a speed of 500 kb/s
5. Device Drivers: [BAS 1.70k - E15.08.27.xx](#) or later sets are supported

Wiring and Installation Instructions

CAN bus location	5) Other
Wire colours & details	Behind offside dashboard, CAN High - Green/white, CAN Low - Green
Can bus speed	CAN_500_kbps