## Script.CAN.MERCEDES-BENZ.EVITO.2020.W1V44760_23.v1.13.2.4_MG

## MERCEDES-BENZ EVITO 2020 CAN Script



**The compatibility if 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 | This script supports the standard system Parameters:<br><br>Speed, RPM, State of Charge, ECMST, Driver Seatbelt, Odo, Brake Pedal.<br><br>**The script should be compatible with vehicles with a VIN starting with: W1V44760_23** |
| EVF-10 | v1.12.1.1 | This script supports the standard system Parameters:<br><br>Speed, RPM, State of Charge, ECMST, Driver Seatbelt, Odo, Brake Pedal.<br><br>**The script should be compatible with vehicles with a VIN starting with: W1V44760_23**<br><br>**\*Updated parameter names/descriptions to match new standard EV params** |
| SCR-2022 | v1.13.1.1 | This script supports the standard system Parameters:<br><br>Speed, RPM, State of Charge, ECMST, Driver Seatbelt, Odo, Brake Pedal.<br><br>**The script should be compatible with vehicles with a VIN starting with: W1V44760_23**<br><br>**\*Added EV params required for energy logical to avoid compile issues** |
| FE-2510 | v1.13.1.2 | This script supports the standard system Parameters:<br><br>Speed, RPM, State of Charge, ECMST, Driver Seatbelt, Odo, Brake Pedal.<br><br>**The script should be compatible with vehicles with a VIN starting with: W1V44760_23**<br><br>**\*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.** |

| | | |
|---|---|---|
| [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.** |

## 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<br>1 = Engaged<br>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<br>1 = Released<br>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 |