Script.CAN.EV.STELLANTIS-BEV.MEDIUM-K0-PLATFORM.POS3.BCOBD.v1.19.2.1_MG

STELLANTIS MEDIUM-K0 PLATFORM CAN Script

The compatibility if this script can only be guaranteed for:

1. **Vehicles part of the Stellantis Medium-K0 Platform**

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-2644	v1.19.1.0	This script supports the standard system Parameters: Trip net energy usage, Energy consumed by auxiliaries, Energy consumed, Energy generated, HVESS voltage level, HVESS current, HVESS available charge power, Battery current charge power, Battery current discharge power, Charging status, HVESS Discharge Energy Capacity, State of charge, Brake Pedal, Throttle Pedal Angle, Odometer, Road speed, Park Brake State, Passenger Door 2,Trunk Door 1,Passenger Door 1,Driver Door 1, Gear Box Drive Mode, Side lamp status, Dimmed light status, High beam light status, Daytime running lamp, Seat Belt State, Passenger Seat Belt Status. Script works in conjunction with corresponding INS script: **Script.CAN.EV.STELLANTIS.K0-MEDIUM-PLATFORM.POS4.INS.v1.19.1.0_MG_BETA**
SCR-2690	v1.19.2.1	Updated script to support CITROEN eBERLINGO 2024 and added parameters driver door 2, Instantaneous Power and a second State of Charge signal (with priority).
SCR-2690	v1.19.2.1	Converted Script to Production, Removed Odo km/mile conversion & Enabled Odo Sync. Script works in conjunction with corresponding INS script: **Script.CAN.EV.STELLANTIS.MEDIUM-K0-PLATFORM.POS4.INS.v1.19.1.0_MG**

Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
TNETE	System.FM.CAN.TNETE	EV CAN: Trip net energy usage	
BOKWH	System.FM.CAN.BOKWH	EV CAN: Energy consumed	
BIKWH	System.FM.CAN.BIKWH	EV CAN: Energy generated	
HVVOL	System.FMS.CAN.HVVOL	EV CAN: HVESS voltage level	
HVCUR	System.FMS.CAN.HVCUR	EV CAN: HVESS current	
HVACP	System.FMS.CAN.HVACP	EV CAN: HVESS available charge power	
EBIEN	System.FM.CAN.EBIEN	EV CAN: Battery current charge power	
EBOEN	System.FM.CAN.EBOEN	EV CAN: Battery current discharge power	
EVICS	System.FM.CAN.EVICS	EV CAN: Charging status	-1 = NOT AVAILABLE 0 = NOT CHARGING 1 = CHARGING
HVDEC	System.FMS.CAN.HVDEC	EV CAN: HVESS Discharge Energy Capacity	
EBSOC	System.FM.CAN.EBSOC	EV CAN: State of charge	
BRKPS	System.FM.CAN.BRKPS	FM CAN: Brake Pedal State	0 = NOT AVAILABLE 1 = DEPRESSED 2 = RELEASED
THRPA	System.FM.CAN.THRPA	FM CAN: Throttle Pedal Angle	
FMODO	System.FM.CAN.FMODO	FM CAN: Odometer	
CAN_V	System.Scratch40D	Road speed	
PBRKS	System.FM.CAN.PBRKS	FM CAN: Park Brake State	0 = NOT AVAILABLE 1 = DISENGAGED 2 = ENGAGED
PDOS2	System.FM.CAN.PDOS2	FM CAN: Passenger Door 2	0 = NOT AVAILABLE 1 = OPEN 2 = CLOSED
DTS01	System.FM.CAN.DTS01	FM CAN: Trunk Door 1	0 = NOT AVAILABLE 1 = OPEN 2 = CLOSED

PDOS1	System.FM.CAN.PDOS1	FM CAN: Passenger Door 1	0 = NOT AVAILABLE 1 = OPEN 2 = CLOSED
DD01S	System.FM.CAN.DD01S	FM CAN: Driver Door 1	0 = NOT AVAILABLE 1 = OPEN 2 = CLOSED
GBDRM	System.FM.CAN.GBDRM	FM CAN: Gear Box Drive Mode	0 = NOT AVAILABLE 1 = PARK 2 = REVERSE 3 = NEUTRAL 4 = DRIVE
SDLMP	System.FM.CAN.SDLMP	FM CAN: Side lamp status	0 = NOT AVAILABLE 1 = ON 2 = OFF
DIMLS	System.FM.CAN.DIMLS	FM CAN: Dimmed light status	0 = NOT AVAILABLE 1 = ON 2 = OFF
HBLTS	System.FM.CAN.HBLTS	FM CAN: High beam light status	0 = NOT AVAILABLE 1 = ON 2 = OFF
DRLLS	System.FM.CAN.DRLLS	FM CAN: Daytime running lamp	0 = NOT AVAILABLE 1 = ON 2 = OFF
SBLTS	System.FM.CAN.SBLTS	FM CAN: Seat Belt State	0 = NOT AVAILABLE 1 = PLUGGED IN 2 = UNPLUGGED
PSBLT	System.FM.CAN.PBELT	FM CAN: Passenger Seat Belt Status	0 = NOT AVAILABLE 1 = PLUGGED IN 2 = UNPLUGGED
DD02S	System.FM.CAN.DD02S	FM CAN: Driver Door 2	0 = NOT AVAILABLE 1 = OPEN 2 = CLOSED
INPOW	System.FM.CAN.INPOW	EV CAN: Instantaneous Power	

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	OBD #3
Wire colours & details	OBD 6-14. pin 6 (CANH) is red, pin 14 (CANL) is pink.
Can bus speed	CAN_500_kbps