Script.CAN.EV.FOTON.T5.POS5.LVBV3J0B_PW.ACK_ENBL.v1.2.0.2_MG

FOTON T5 2024 CAN Script

The compatibility if this script can only be guaranteed for:

1. FOTON T5 2024 model & FOTON BJ1045EVJAR3.
2. Vehicles with a VIN Number that starts with: **LVBV3J0B_PW, LVBJ3J1C_RW**

This script can be used with the following devices:

1. MiX 4000
2. MiX 6000

Version History

Reference	Version	Changes
SCR-2686	v1.0.0.0	This script supports the standard system Parameters: Vehicle Speed, Engine Speed, ECMST, State of charge, Energy consumed by auxiliaries, Energy consumed, Energy generated, Battery current charge power, Charging status, Trip net energy usage, Battery current discharge power, Drive Train Power, Auxiliary power, PCU input current, PCU input voltage, High resolution odometer, Anti-Lock Braking (ABS) Active, MIL: Amber Warning Light, Accelerator Pedal Position, Brake Pedal Switch, Gear Box Drive Mode, Battery Charge Voltage, Parking brake switch, DC Bus Voltage, DC Bus Current, Drive motor controller temperature, Motor 1 temperature, Average battery cell temperature, Maximum cell voltage, Minimum cell voltage. The script should be compatible with vehicles with a VIN starting with: LVBV3J0B_PW & LVBJ3J1C_RW
SCR-2686	v1.0.0.1	Added ACK Enable to script.
SCR-2686	v1.1.0.1	Updated Drive Motor Controller temperature parameter definition.
SCR-2686	v1.2.0.2	Converted script to Production; enabled Odo sync & removed Park Brakes.

Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	**Return values/states** (if applicable)
CAN_V	System.Scratch40D	Road speed	
CAN_N	System.Scratch40C	Engine speed	
EBSOC	System.FM.CAN.EBSOC	EV CAN: State of charge	
AOKWH	System.FM.CAN.AOKWH	EV CAN: Energy consumed by auxiliaries	
BOKWH	System.FM.CAN.BOKWH	EV CAN: Energy consumed	
BIKWH	System.FM.CAN.BIKWH	EV CAN: Energy generated	
EBIEN	System.FM.CAN.EBIEN	EV CAN: Battery current charge power	
EVICS	System.FM.CAN.EVICS	EV CAN: Charging status	-1 = Not Available/Initialization 0 = Not charging state 1 = AC charging status 2 = DC charging status 100 = Error State
TNETE	System.FM.CAN.TNETE	EV CAN: Trip net energy usage	
EBOEN	System.FM.CAN.EBOEN	EV CAN: Battery current discharge power	
DTRKW	System.FM.CAN.DTRKW	EV CAN: Drive Train Power	
AUXKW	System.FM.CAN.AUXKW	EV CAN: Auxiliary power	
PCUIC	System.FM.CAN.PCUIC	EV CAN: PCU input current	
PCUIV	System.FM.CAN.PCUIV	EV CAN: PCU input voltage	
HRESD	FMS.HRESD	FMS High resolution odometer	
FMABS	FMS.FMABS	FMS Anti-Lock Braking (ABS) Active	0 = off 1 = Running status (ABS adjustment pressure) 2 = Reserved 3 = Invalid value/Not Available
ABSFL	System.FM.CAN.ABSFL	MIL: ABS Fault Lamp	0 = No Fault Status 1 = Fault Status 2 = Reserved 3 = Invalid value/Not Available
FMAPP	FMS.FMAPP	FMS AcceleratorPedalPosition	

BRKPS	System.FM.CAN.BRKPS	FM CAN: Brake Pedal State	0 = Not Available 1 = Pedal Pressed 2 = Pedal Released
GBDRM	System.FM.CAN.GBDRM	FM CAN: Gear Box Drive Mode	0 = Not Available 2 = Neutral Gear 3 = Reverse Gear 4 = Drive Gear
EVBCV	System.FMS.CAN.EVBCV	EV CAN: Battery Charge Voltage	
EVDCV	System.FM.CAN.EVDCV	EV CAN: DC Bus Voltage	
EVDCA	System.FM.CAN.EVDCA	EV CAN: DC Bus Current	
M1TRQ	System.FM.CAN.M1TRQ	EV CAN: Motor 1 torque	
DCTMP	System.FM.CAN.DCTMP	EV CAN: Drive motor controller temperature	
M1TMP	System.FM.CAN.M1TMP	EV CAN: Motor 1 temperature	
AVGCT	System.FM.CAN.AVGCT	EV CAN: Average battery cell temperature	
CVMAX	System.FM.CAN.CVMAX	EV CAN: Maximum cell voltage	
CVMIN	System.FM.CAN.CVMIN	EV CAN: Minimum cell voltage	

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 restricted mode CAN headers.
4. The script only supports a CAN bus with a speed of 500 kb/s
5. Compatible with Firmware version 4.12 and upwards.

Wiring and Installation Instructions

CAN bus location	5) Other
Wire colours & details	T-BOX-2 plug, Pin9 IG +, Pin16 GND 
Can bus speed	CAN_500_kbps