Script.CAN.VW.EURO6.ACK_ENBL.v1.29.3.7_MG

Volkswagen Euro 6 2024 CAN Script

The compatibility if this script can only be guaranteed for:

1. Volkswagen Euro 6, Volkswagen Constellation 26.260 models

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
ESCR-129	v1.29.2.7	Custom script for VW Euro 6 vehicles based off *Script.CAN.J1939.250KBPS.ACK_ENBL.v1.29.1.7_MG*. Block 4 of tell-tale signals added. Fixed fuel consumption for FEE9 lifetime and trip fuel.
SR-20151	v1.29.3.7	Fixed issue where zero values for trip fuel would cause OBC to reset.

Supported Parameters

Currently there is no configuration group to automatically configure the new events in this script.

The following system generated parameters are supported by the script:

- Road Speed (FEF1 or FE6C or FE6E)
- Engine Speed (Revs).
- High-Res ODO Sync. (With 20 km Threshold)
- Fuel Consumption (FEF2 or FEE9 or FD09 or Torque fuel)
- ECMST (ELD detection)

Refer to the following link for instructions on how to set up events for the new parameters:

- **Events and Parameter Names - J1939**

- **FMS Telltale Events and Parameter Names - J1939**

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
DM1DA	FMS.DM1DA	FMS Active Diagnostic Trouble Codes	
DM2PA	FMS.DM2PA	FMS Previously Active Trouble Codes	
FMSRT	FMS.FMSRT	FMS Retarder Torque	
FMSPP	FMS.FMSPP	FMS Brake Pedal Position	
FMSA1	FMS.FMSA1	FMS Aftertreatment 1 SCR Catalyst Tank Level	
SBAP1	FMS.SBAP1	FMS Service Brake Air Pressure Circuit 1	
SBAP2	FMS.SBAP2	FMS Service Brake Air Pressure Circuit 2	
FMSFD	FMS.FMSFD	FMS Fan Drive State	
FMTEH	FMS.FMTEH	FMS DM Total Engine Hours	
AXLW0	FMS.AXLW0	FMS Vehicle Weight Axle 0	
AXLW1	FMS.AXLW1	FMS Vehicle Weight Axle 1	
AXLW2	FMS.AXLW2	FMS Vehicle Weight Axle 2	
AXLW3	FMS.AXLW3	FMS Vehicle Weight Axle 3	
AXLW4	FMS.AXLW4	FMS Vehicle Weight Axle 4	
FMSCT	FMS.FMSCT	FMS Engine Coolant Temperature	

FMSET	FMS.FMSET	FMS DM Engine Oil Temperature	
FMSCL	FMS.FMSCL	FMS Coolant Level	
FMSEO	FMS.FMSEO	FMS Engine Oil Level	
FMSOP	FMS.FMSOP	FMS DM Engine Oil Pressure	
FMSBA	FMS.FMSBA	FMS Battery Current	
FMSBV	FMS.FMSBV	FMS Battery Voltage	
FMBPS	FMS.FMBPS	FMS Brake Pedal Switch	0 = Brake released 1 = Brake depressed 2 = Error 3 = Not Available
FMSPT	FMS.FMSPT	FMS PTO State	0 = Off/Disabled 1 = Hold 2 = Remote Hold 3 = Standby 4 = Remote Standby 5 = Set 6 = Decelerate/Coast 7 = Resume 8 = Accelerate 9 = Accelerator Override 10 = Preprogrammed set speed 1 11 = Preprogrammed set speed 2 12 = Preprogrammed set speed 3 13 = Preprogrammed set speed 4 14 = Preprogrammed set speed 5 15 = Preprogrammed set speed 6 16 = Preprogrammed set speed 7 17 = Preprogrammed set speed 8 18 = PTO set speed memory 1 19 = PTO set speed memory 2 20 = PTO set speed memory 3 21-30 = Reserved 31 = Not available
FMSCC	FMS.FMSCC	FMS Cruise Control Active	0 - Off/Disabled 1 – Active
FMSCS	FMS.FMSCS	FMS Clutch Switch	0 = Clutch released 1 = Clutch depressed 2 = Error 3 = Not available
DRTNS	FMS.DRTNS	FMS Distance remaining to next service	

TTDW1	CAN.TELLTALE.TTDW1	TT: DWORD 1	
TTDW2	CAN.TELLTALE.TTDW2	TT: DWORD 2	
B#S##	CAN.TELLTALE.B#S##	TT: Block # Status ## (Block 0-4, Status 1-15)	
SBLTS	System.FM.CAN.SBLTS	FM CAN: Seat Belt State	0 = Not present 1 = Engaged 2 = Disengaged 3 = Reserved
FMMIL	FMS.FMMIL	FMS Engine fault	
FMAPP	FMS.FMAPP	FMS AcceleratorPedalPosition	
HRESD	FMS.HRESD	FMS High resolution odometer	
FMSFL	FMS.FMSFL	FMS Fuel level	
CANTF	System.CAN.CANTF	Total fuel pulses for trip	
FMSPB	FMS.FMSPB	FMS Park Brake Switch	0 = Parking brake not set 1 = Parking brake set
PTOEN	FMS.PTOEN	FMS At Least One PTO Engaged	
GRSVW	System.CAN.GRSVW	Gross Vehicle Weight	
FMSTT	FMS.FMSTT	FMS Transmission Oil Temperature	
BRKPP	FMS.BRKPP	FMS Brake Primary Pressure	
BRKSP	FMS.BRKSP	FMS Brake Secondary Pressure	
EEFRA	System.CAN.EEFRA	Engine Emission Filter Regeneration Alarm	0 = OFF 1 = Red 2 = Yellow 3 = Info 4-6 = Reserved 7 = Not Available

Installation Notes

1. Industry standard for heavy vehicles with a physical layer running - CAN 250kb/s, 29bit IDs
2. This script supports SAE J1939 via a FMS gateway or contact less CAN sensor and should not be directly connected to the hot-bus of a vehicle
3. **The CAN jumpers must be in a position to allow ONLY allow Read actions on the CAN bus (Passive Mode). The only exception is when the FMS gateway requires ACK messages to broadcast the data.**
4. **ODO Synchronization will only take place if the MIX OBC ODO setting and the value read from the CAN bus is within 20 km distance from each other or when the MiX OBC ODO is set to zero.**
5. **Torque fuel is dependent on Engine type - Therefore manual calibration of Fuel must be done if scripts selects Torque Fuel.**