

Script.CAN.TOYOTA.HILUX.POS4.MR0KA3CD_01.v1.16.2.0_MG

Toyota Hilux 2017-2022 CAN Script



The compatibility if this script can only be guaranteed for:

1. Toyota Hilux 2017-2022 model
2. Vehicles with a VIN Number that starts with: **MR0KA3CD_01, MR0BA3CD_00, MR0DB9CD_N4**

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-1474	v1.9.1.0	<p>This script supports the standard system Parameters: Speed, RPM, Fuel, ECMST, Driver Seatbelt, Passenger Front Seatbelt, Brake Pedal, Driver Door Back, Driver Door Front, Headlight, Park Brake, Passenger Door Back, Passenger Door Front.</p> <p>The script should be compatible with vehicles with a VIN starting with: MR0KA3CD_01</p>
SCR-2260	V1.16.1.0	<p>This script supports the standard system Parameters: Speed, RPM, Fuel, Odo, ECMST, Driver Seatbelt, Passenger Front Seatbelt, Brake Pedal, Driver Door Back, Driver Door Front, Headlight, Park Brake, Passenger Door Back, Passenger Door Front.</p> <p>The script should be compatible with vehicles with a VIN starting with: MR0KA3CD_01, MR0B3ACD_00, MR0DB9CD_N4 *updated FMS version, added Odo signal, increased fuel scaling</p>
SR-19189	v1.16.2.0	Adjusted seatbelt logic to fix erroneous event triggering.

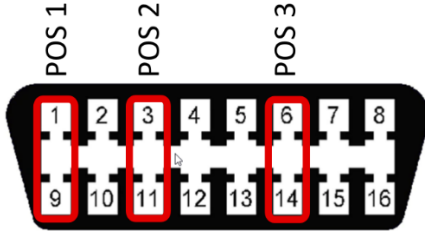
Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
ECMST	System.ECMST	Electronic Control Module Status	
CAN_N	System.Scratch40C	Engine RPM	
FMODO	System.FM.CAN.FMODO	FM CAN: Odometer	
CAN_V	System.Scratch40D	Road speed	
CANFE	System.CAN.FuelQuantity	CAN Fuel Quantity	
BRKPS	System.FM.CAN.BRKPS	FM CAN: Brake Pedal State	0 = NOT AVAILABLE 1 = NOT PRESSED 2 = PRESSED
DD01S	System.FM.CAN.DD01S	FM CAN: Driver Door 1	0 = NOT AVAILABLE 1 = OPEN 2 = CLOSED
DD02S	System.FM.CAN.DD02S	FM CAN: Driver Door 2	0 = NOT AVAILABLE 1 = OPEN 2 = CLOSED
HDLTS	System.FM.CAN.HDLTS	FM CAN: Head Light State	-1 = NOT AVAILABLE 0 = OFF 2 = ON
PBRKS	System.FM.CAN.PBRKS	FM CAN: Park Brake State	0 = NOT AVAILABLE 1 = DISENGAGED 2 = ENGAGED
PDOS1	System.FM.CAN.PDOS1	FM CAN: Passenger Door 1	0 = NOT AVAILABLE 1 = OPEN 2 = CLOSED
PDOS2	System.FM.CAN.PDOS2	FM CAN: Passenger Door 2	0 = NOT AVAILABLE 1 = OPEN 2 = CLOSED
PSBLT	System.FM.CAN.PBELT	FM CAN: Passenger Seat Belt Status	0 = NOT AVAILABLE 1 = BUCKLED 2 = UNBUCKLED
SBLTS	System.FM.CAN.SBLTS	FM CAN: Seat Belt State	0 = NOT AVAILABLE 1 = BUCKLED 2 = UNBUCKLED

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 message identifier CAN headers.
4. The script only supports a CAN bus with a speed of 500 kbit/s CAN bus speed
5. Device Drivers: [BAS 1.70k - E15.08.27.xx](#) or later sets are supported

Wiring and Installation Instructions

CAN bus location	4) Behind Instrument Cluster
Wire colours & details	Blue & White
Can bus speed	500 kbit/s CAN bus speed
 <p>The diagram shows a 16-pin connector with two rows of pins (1-8 on top, 9-16 on bottom). Three jumpers are shown: POS 1 connects pins 1 and 9; POS 2 connects pins 3 and 11; POS 3 connects pins 6 and 14. Pins 2, 4, 5, 7, 8, 10, 12, 13, 15, and 16 are not connected.</p>	