

# CHRYSLER LA CAN Script

The compatibility of this script can only be guaranteed for:

1. **Vehicles part of the Chrysler LA 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   |
|--------------------------|-----------|---|
| <a href="#">SCR-2641</a> | v1.19.1.0 | This script supports the standard system Parameters:<br><br>Odometer, Fuel level, Engine RPM, Brake Pedal Switch, Road speed, Gear Box Mode Drive, Gear Box Mode Park, Gear Box Mode Reverse, Gear Box Mode Neutral, Gear Box Mode Drive, Seat Belt State, Passenger Seat Belt Status, Driver Door 1, Passenger Door 1, Driver Door 2, Passenger Door 2, Trunk Door 1, Park Brake State, Right Turn Indicator, Left Turn Indicator, High beam light status, Dimmed light status, Front fog light status, Wipers, Accelerator Pedal Position, Cruise Control Active, Engine Coolant Temperature. |
| <a href="#">SCR-2641</a> | v1.19.2.1 | Added timeout to RPM and Road Speed. Also removed Odo km to mile conversion.  |
| <a href="#">SCR-2641</a> | v1.19.2.1 | Converted to Production. Odo sync enabled.  |

## Supported Parameters

| ACRONYM | PARAMETER NAME      | PARAMETER DESCRIPTION              | Return values/states<br>(if applicable)                                |
|---------|---------------------|------------------------------------|--|
| FMODO   | System.FM.CAN.FMODO | FM CAN: Odometer                   |  |
| CANFE   | System.CAN.FuelRate | Fuel Rate                          |  |
| FULLI   | System.FM.CAN.FULLI | FM CAN: Fuel Tank Level (Litre)    |  |
| CAN_N   | System.Scratch40C   | Engine RPM                         |  |
| FMBPS   | FMS.FMBPS           | FMS Brake Pedal Switch             | 0 = NOT PRESENT<br>1 = DEPRESSED<br>2 = RELEASED                       |
| CAN_V   | System.Scratch40D   | Road speed                         |  |
| GBDRM   | System.FM.CAN.GBDRM | FM CAN: Gear Box Drive Mode        | 0 = NOT PRESENT<br>1 = PARK<br>2 = REVERSE<br>3 = NEUTRAL<br>4 = DRIVE |
| GBDM1   | System.FM.CAN.GBDM1 | FM CAN: Gear Box Mode Park         | 0 = OFF<br>1 = ON  |
| GBDM2   | System.FM.CAN.GBDM2 | FM CAN: Gear Box Mode Reverse      | 0 = OFF<br>2 = ON  |
| GBDM3   | System.FM.CAN.GBDM3 | FM CAN: Gear Box Mode Neutral      | 0 = OFF<br>3 = ON  |
| GBDM4   | System.FM.CAN.GBDM4 | FM CAN: Gear Box Mode Drive        | 0 = OFF<br>4 = ON  |
| SBLTS   | System.FM.CAN.SBLTS | FM CAN: Seat Belt State            | 0 = NOT PRESENT<br>1 = PLUGGED IN<br>2 = UNPLUGGED                     |
| PSBLT   | System.FM.CAN.PBELT | FM CAN: Passenger Seat Belt Status | 0 = NOT PRESENT<br>1 = PLUGGED IN<br>2 = UNPLUGGED                     |
| DD01S   | System.FM.CAN.DD01S | FM CAN: Driver Door 1              | 0 = NOT PRESENT<br>1 = OPEN<br>2 = CLOSED                              |

|       |                     |                                |  |
|-------|---------------------|--------------------------------|--|
| PDOS1 | System.FM.CAN.PDOS1 | FM CAN: Passenger Door 1       | 0 = NOT PRESENT<br>1 = OPEN<br>2 = CLOSED        |
| DD02S | System.FM.CAN.DD02S | FM CAN: Driver Door 2          | 0 = NOT PRESENT<br>1 = OPEN<br>2 = CLOSED        |
| PDOS2 | System.FM.CAN.PDOS2 | FM CAN: Passenger Door 2       | 0 = NOT PRESENT<br>1 = OPEN<br>2 = CLOSED        |
| DTS01 | System.FM.CAN.DTS01 | FM CAN: Trunk Door 1           | 0 = NOT PRESENT<br>1 = OPEN<br>2 = CLOSED        |
| PBRKS | System.FM.CAN.PBRKS | FM CAN: Park Brake State       | 0 = NOT PRESENT<br>1 = DISENGAGED<br>2 = ENGAGED |
| RTSSI | System.FM.CAN.RTSSI | FM CAN: Right Turn Indicator   | 0 = NOT PRESENT<br>1 = ON<br>2 = OFF             |
| LTSSI | System.FM.CAN.LTSSI | FM CAN: Left Turn Indicator    | 0 = NOT PRESENT<br>1 = ON<br>2 = OFF             |
| HBLTS | System.FM.CAN.HBLTS | FM CAN: High beam light status | 0 = NOT PRESENT<br>1 = ON<br>2 = OFF             |
| DIMLS | System.FM.CAN.DIMLS | FM CAN: Dimmed light status    | 0 = NOT PRESENT<br>1 = ON<br>2 = OFF             |
| FFOGL | System.FM.CAN.FFOGL | FM CAN: Front fog light status | 0 = NOT PRESENT<br>1 = ON<br>2 = OFF             |
| W_FMS | FMS.W_FMS           | FMS Wipers                     | 0 = NOT PRESENT<br>1 = ON<br>2 = OFF             |
| FMAPP | FMS.FMAPP           | FMS AcceleratorPedalPosition   |  |
| FMSCC | FMS.FMSCC           | FMS Cruise Control Active      | 0 = NOT PRESENT<br>1 = ON<br>2 = OFF             |
| FMSCT | FMS.FMSCT           | FMS Engine Coolant Temperature |  |



## 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       | For Vehicle Specification details, see:<br><a href="#">FCA_Dodge_PWR_500k_LO_KZ_MixExp_v02</a> |
| Wire colours & details | No Details   |
| Can bus speed          | CAN_500_kbps   |

