

Script.CAN.MAZDA.BT50.POS4.MP2TFS40_NT.v1.17.2.1_MG

MAZDA BT50 DUAL CAB 2023 CAN Script



The compatibility if this script can only be guaranteed for:

1. MAZDA BT50 DUAL CAB 2023 models.
2. Vehicles with a VIN Number that starts with: **MP2TFS40_NT**

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 |
|--------------------------|-----------|--|
| SR-2336 | v1.17.1.0 | <p>This script supports the standard system Parameters: Speed, RPM, Fuel, ECMST, 4WD High Range, 4WD Low Range, Driver Seatbelt, Passenger Front Seatbelt, Driver Back Seatbelt, Passenger Back Seatbelt, Rear Middle Seatbelt, Brake Pedal, Driver Door Front, Gearbox Drive, Gearbox Reverse, Odo, Park Brake.</p> <p>The script should be compatible with vehicles with a VIN starting with: MP2TFS40_NT</p> |
| SR-20326 | v1.17.2.1 | <p>Updated Speed signal. Removed Odo unit logic.</p> |

Supported Parameters

| ACRONYM | PARAMETER NAME | PARAMETER DESCRIPTION | Return values/states (if applicable) |
|---------|---------------------|------------------------------------|--|
| CAN_V | System.Scratch40D | Road speed | |
| CAN_N | System.Scratch40C | Engine RPM | |
| CANFE | System.CAN.FuelRate | Fuel Rate | |
| FMODO | System.FM.CAN.FMODO | FM CAN: Odometer | |
| SBLTS | System.FM.CAN.SBLTS | FM CAN: Seat Belt State | 0 = NOT PRESENT 1 = PLUGGED IN 2 = UNPLUGGED |
| BRKPS | System.FM.CAN.BRKPS | FM CAN: Brake Pedal State | 0 = NOT PRESENT 1 = DISENGAGED 2 = ENGAGED |
| DD01S | System.FM.CAN.DD01S | FM CAN: Driver Door 1 | 0 = NOT PRESENT 1 = OPEN 2 = CLOSED |
| PBRKS | System.FM.CAN.PBRKS | FM CAN: Park Brake State | 0 = NOT PRESENT 1 = DISENGAGED 2 = ENGAGED |
| PSBLT | System.FM.CAN.PBELT | FM CAN: Passenger Seat Belt Status | 0 = NOT PRESENT 1 = PLUGGED IN 2 = UNPLUGGED |
| PBBLT | System.FM.CAN.PBBLT | FM CAN: Passenger Back Seat Belt | 0 = NOT PRESENT 1 = PLUGGED IN 2 = UNPLUGGED |
| DBBLT | System.FM.CAN.DBBLT | FM CAN: Driver Back Seat Belt | 0 = NOT PRESENT 1 = PLUGGED IN 2 = UNPLUGGED |
| RMBLT | System.FM.CAN.RMBLT | FM CAN: Rear Middle Seat Belt | 0 = NOT PRESENT 1 = PLUGGED IN 2 = UNPLUGGED |
| GBDM2 | System.FM.CAN.GBDM2 | FM CAN: Gear Box Mode Reverse | 0 = DISENGAGED / NOT PRESENT 2 = ENGAGED |
| GBDM4 | System.FM.CAN.GBDM4 | FM CAN: Gear Box Mode Drive | 0 = DISENGAGED / NOT PRESENT 4 = ENGAGED |

| | | | |
|-------|---------------------|------------------------------|--|
| WDS4H | System.FM.CAN.WDS4H | FM CAN: 4WD HIGH RANGE STATE | 0 = NOT PRESENT 1 = ENGAGED 2 = DISENGAGED |
| WDS4L | System.FM.CAN.WDS4L | FM CAN: 4WD LOW RANGE STATE | 0 = NOT PRESENT 1 = ENGAGED 2 = DISENGAGED |

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 | Yellow and Blue |
| Can bus speed | CAN_500_kbps |