Script.CAN.MAZDA.BT50.POS4.MP2TFS40_NT.v1.17.3.1_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	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. **The script should be compatible with vehicles with a VIN starting with: MP2TFS40_NT**
SR-20326	v1.17.2.1	Updated Speed signal. Removed Odo unit logic.
SR-20326	v1.17.3.1	Swapped speed signal priority. Added logic to identify which speed source is used.

Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
CAN_V	System.Scratch40D	Road speed	
CANV1	CAN.CANV1	CANV1 - Tachograph vehicle speed	*VehicleSpeed_P2 speed value
CANV2	CAN.CANV2	CANV2 - Wheel based speed	*VehicleSpeed_P1 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
AVSSG	System.CAN.AVSSG	Active Vehicle Speed Signal	0 = NOT AVAILABLE 1 = VehicleSpeed_P2 2 = VehicleSpeed_P1

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