CANM8-NAV Installation File

Jeep Cherokee

Vehicle CAN Bus Location

PLEASE NOTE (Before 2007) : ONLY VEHICLES WITH MERCEDES DIESEL ENGINES HAVE CAN WIRING

The CAN wiring is located at the Engine ECU : N/S Engine bay area main loom near bulk head.
The CAN bus wiring is a twisted pair of wires, coloured as below:

Models Before 2007 CAN HI = **WHITE / GREEN (ECU Loom)**
CAN LO = **WHITE / BLUE**

Models After 2007 CAN HI = **WHITE / ORANGE (Radio or O/S Door Loom)**
CAN LO = **WHITE / GREY**

CANM8-NAV Wiring Instructions

CAN-M8 NAV Wire		Wire Connection Point Or Output Function
RED	>	Connect via a 5 Amp fuse to a permanent 12V supply.
BLACK	>	Connect to a good chassis ground point.
WHITE	>	CAN HI Connection : Vehicle **CAN HI** wire
BLUE	>	CAN LO Connection : Vehicle **CAN LO** wire
GREEN	>	Speed Signal Output : 12v pulsing 1Hz = 1MPH (approx).
PURPLE	>	Ignition On Output : 12v when ignition is switched on.
ORANGE	>	Lights On Output : 12v when side / head lights are on.
PINK	>	Parking Brake On Output : 0v (Ground) with parking brake on.
BROWN	>	Reverse Engaged Output : 12v when reverse gear is selected.
YELLOW	>	RPM Output : 12v pulsing 1Hz = 1RPM (approx).

Please note: Some outputs may be un-available depending on the specification of the subject vehicle.

CANM8-PARK Wiring Instructions

CAN-M8 PARK Wire		Wire Connection Point Or Output Function
RED	>	Connect via a 5 Amp fuse to a **SWITCHED** 12V supply.
BLACK	>	Connect to a good chassis ground point.
WHITE	>	CAN HI Connection : Vehicle **CAN HI** wire
BLUE	>	CAN LO Connection : Vehicle **CAN LO** wire
GREEN	>	Speed Signal Output : 12v pulsing 1Hz = 1MPH (approx).
PURPLE	>	Speed Dependent Output : 12v continuously while below 6 MPH
ORANGE	>	Speed Dependent Output : 12v between speeds of 1 to 6 MPH
PINK	>	FPS Disable : 0v Output - Disabled when Reverse is selected.
BROWN	>	Reverse Engaged Output : 12v when reverse gear is selected.
YELLOW	>	NOT USED

The Orange & Purple outputs will switch off when the vehicle Park Brake is applied on compatible vehicles.

Please note: Some outputs may be un-available depending on the specification of the subject vehicle.

Testing The Installation

Connect the interface to the plug-in wiring harness and turn the vehicles ignition 'on'.

The CANM8 interface switches on automatically when CAN activity is detected.
The interface has an LED status indicator next to the connection plug, which will flash constantly when a CAN signal is present and has been identified by the interface.

If the LED indicator is illuminated costantly, the interface is functioning but cannot identify the subject vehicle. It is very important that the interface is only connected to the vehicle CAN Bus wiring at the connection point location detailed at the top of the page.

If the LED fails to illuminate or flash, the interface wiring has been connected incorrectley or no CAN activity has been detected. Check all electrical connections are sound and that the interface CAN HI and CAN LO connections are the correct way around. Also check that there is a good 12v supply present at the interface plug-in connector before seeking technical assistance.

The CANM8 interface automatically switches off when the vehicle CAN Bus is inactive.
This can be tested by removing the keys from the ignition, closing all vehicle doors and switching all auxilliary equipment 'off'. The interface LED should extinguish within 60 seconds.