



Information



The **information** menu displays data from the EBS.

DTC

- Active** Displays up to 8 active DTCs
- Stored** Displays up to 8 stored DTCs
- Clear** Clears all DTCs from the EB+
- Service Lamp** Displays the reason for the flashing trailer warning lamp

LED Flashing

Displays the reason for the flashing Info Centre service LED

Lining Wear

Displays the brake lining wear status (OK or service) of the trailer

LWI Reset

Used to reset the lining wear status indicator following the replacement of the brake lining.

Tyre Pressure

The tyre pressure monitoring system constantly measures the air pressure and temperature in the trailer tires

Distance

- Odometer Data** Displays the mileage that is stored in the EB+. It can be configured to display in miles or km
- Trip 1 Data** Displays the mileage recorded by the EB+ since trip 1 was last reset
- Trip 2 Data** Displays the mileage recorded by the EB+ since trip 2 was last reset
- Service (km)** Displays the distance (Miles or km) until the next service
- Service (Days)** Displays the number of days until the next service

Trailer

- Load Plate** Displays the EB+ load plate info
- Configuration** Shows a graphic display of the EB+ configuration.
- VIN** Displays the VIN from the EB+
- ECU Version** Displays the EB+ software version
Displays the EB+ serial number
Displays the Info Centre version

Fleet+ Data The Fleet+ PC program enables the operator to view trailer information. The Info Centre extracts summary data to provide an understanding of recorded events.



Test



The **Test** menu displays data and operates some of the auxiliary functions of the EBS.

Load

Displays the current trailer load.

Tilt Angle

Displays the angle of the trailer in degrees as read from the EBS.

Air Pressure

Displays the EBS air pressures.

Wheels

Displays the current trailer wheel speeds.

Aux Test

This menu is used to switch 'ON' or 'OFF' the EB+ auxiliary functions.

Brake Test

This menu is used to switch 'ON' or 'OFF' the EB+ load sensing function.

For more detailed information refer to the "Info Centre 2 Operators Guide" (reference no. 006 300 001) available at www.haldex.com



Settings



The **Settings** menu is used to set the configuration of the Service Interval, Info Centre 2, LED Settings and swap trailer fitted TPMS wheel sensors.

Service

Service Interval Used for altering the EB+ service indicator. Both days and distance (miles or km) can be altered. The entered durations will be added to the current odometer reading and only become active when the Service Reset is actioned.

Service Reset Used for resetting the EB+ service indicator. Note: The amended duration will be the internally stored service interval.

Info Centre Language The Info Centre 2 has multiple languages.

Start Screen This menu allows the user to choose Info Centre functions to be displayed at start up, before the main menu.

PIN A PIN is used to protect a number of the Info Centre menus.

Unlock Use this menu to unlock the Info Centre via a valid PIN.

Wheel Scale Displays the EB+ wheel scale and sensor teeth settings.

Date Format Allows the user to set the date format.

Date The time and date stored in the Info Centre is used to record the time and date at which EB+ faults occur.

Time Used to set the 24hr clock time.

Units Use to select metric or imperial units for the Info Centre.

Contrast Use this menu to adjust the LCD screen contrast.

Display Self test function for the Info Centre display.

TPMS ID Displays a complete list of configured wheels and sensor ID's and allows the operator to **swap** over wheel sensors (WUS).

LED Settings
LED Flash B+ Used to configure the action of the Service LED when the Info Centre is powered by the EBS.

LED Flash Batt Used to configure the action of the Service LED when the Info Centre is battery powered.

Tilt Angle Used to set the tilt angle before the Service LED flashes.



Start Screen



The **Start Screen** menu allows the user to choose Info Centre functions to be displayed at start up, before the main menu.

- > None (if selected there will be no start screen)
- > Distance
- > DTC
- > AUX
- > Axle Load Sum
- > Language
- > Unlock
- > Tilt Angle
- > Tyre Pressure
- > User Defined (if selected go to user defined section below)

The user defined start screen can display up to 5 of the following items:

- > Odometer
- > Service
- > Service Interval
- > DTC
- > Stored DTCs
- > Lining Wear
- > Reservoir
- > Axle Load Sum

Info Centre 2

Quick Start Guide



Innovative Vehicle Solutions

Description

Info Centre 2 is a side of trailer mounted diagnostic unit used for readout of odometer, diagnostic codes and other information as available in the EB+ Electronic Control Unit (all current features available when the EBS is programmed and using C497/498/499 or higher level of software).

The Info Centre 2 is connected permanently to the ECU's diagnostic 'DIAG' connection. While the ECU is powered from its normal source (ISO 7638 permanent) information is transferred to the Info Centre's memory, which can be recalled. Power is supplied from the vehicle system via the ECU diagnostics connector.

An Info Centre 2 ADR version is also available which has no battery fitted and therefore cannot operate in the battery mode (i.e. no information will be available if the vehicle is not powered by the ISO 7638). Other functions which relate to the battery, (e.g. clock) are also not available when the Info Centre 2 is powered from the EB+ system.

Key Feature:

The Info Centre 2 has a Start Screen that displays Operator configurable information when the Info Centre is first powered (see Start Screen section). This ensures that any Operator specific information is always the first to display upon powering the unit.

Info Centre 2 DTC

Info Centre 2 DTC	Possible Causes
Wheel Sensor 1A or 1B Continuity	1A or 1B Wheel Sensor/wiring open or short circuit
Wheel Sensor 2A or 2B Continuity	2A or 2B Wheel Sensor/wiring open or short circuit
Wheel Sensor 1A or 1B Signal Integrity	1A or 1B Wheel sensor signal fault
Wheel Sensor 2A or 2B Signal Integrity	2A or 2B Wheel sensor signal fault
Wheel Sensor 1A or 1B Output Level	1A or 1B Wheel sensor system fault
Wheel Sensor 2A or 2B Output Level	2A or 2B Wheel sensor system fault
Brake Apply Solenoid Short Circuit	Brake Apply Solenoid Short Circuit
Brake Apply Solenoid Open Circuit	Brake Apply Solenoid Open Circuit
Brake Apply Solenoid Short CCT Drive	Brake Apply Solenoid Short Circuit Energised
Brake Apply Solenoid Unspecified Fault	Brake Apply Solenoid Control Circuit Fault
EPRV 21 or 22 Hold Solenoid Short Circuit	Modulator 21 or 22 Hold Solenoid Short Circuit
EPRV 21 or 22 Dump Solenoid Short Circuit	Modulator 21 or 22 Dump Solenoid Short Circuit
EPRV 21 or 22 Hold Solenoid Open Circuit	Modulator 21 or 22 Hold Solenoid Open Circuit
EPRV 21 or 22 Dump Solenoid Open Circuit	Modulator 21 or 22 Dump Solenoid Open Circuit
EPRV 21 or 22 Hold Solenoid Short to B+	Modulator 21 or 22 Hold Sol Short Circuit Energised
EPRV 21 or 22 Dump Solenoid Short to B+	Modulator 21 or 22 Dump Sol Short Circuit Energised
EPRV 21 or 22 Hold Solenoid Unspecified Fault	Modulator 21 or 22 Hold Sol Control Circuit Fault
EPRV 21 or 22 Dump Solenoid Unspecified Fault	Modulator 21 or 22 Dump Sol Control Circuit Fault
EPRV 21 or 22 Delivery Sensor Short Circuit	Modulator 21 or 22 Delivery Transducer Short Circuit
EPRV 21 or 22 Delivery Open Circuit	Modulator 21 or 22 Delivery Transducer Open Circuit
EPRV 21 or 22 Slow Wheel Recovery	Modulator 21 or 22 Slow recovery of one wheel
Reservoir Sensor Short Circuit	Reservoir Pressure Transducer Short Circuit
Reservoir Sensor Open Circuit	Reservoir Pressure Transducer Open Circuit
Excessive Reservoir Pressure	Reservoir Pressure greater than 9.75 bar
Pneumatic Demand Loss	No corresponding pneumatic demand pressure
Suspension Sensor Short Circuit	Suspension pressure transducer short circuit
Suspension Sensor Open Circuit	Suspension pressure transducer open circuit
Suspension Pressure Low	Suspension pressure values outside operating range
Slave Suspension Pressure Low	Suspension pressure values outside operating range
REV Pressure Switch Short Circuit	Relay Emergency Valve pressure switch short circuit
REV Pressure Switch Open Circuit	Relay Emergency Valve pressure switch open circuit
REV Pressure Switch Pneumatic Fault	Relay Emergency Valve pressure switch pneumatic fault
REV Pressure Switch Signal Fault	Relay Emergency Valve pressure switch no activation
Slave Valve Sensor	Pressure transducers open or short circuit
Slave Valve Modulator	Hold, Dump or Brake Apply solenoid open or short cct
Slave Valve Cable	Link cable open or short circuit
Slave Valve Slow Recovery	Slow recovery of one wheel of slave valve
Towed CAN Demand Loss	CAN line (pin 6 and 7 on ISO 7638) fault
Towed CAN Control Loss	CAN line (pin 6 and 7 on ISO 7638) data fault
Power ISO 7638 Fail	Power loss on pin 1 or 2 on ISO 7638
Power Low Voltage	Supply voltage at ECU < 19V (brake apply solenoid on)
Power High Voltage	Supply voltage at the ECU greater than 32V
Power Unspecified Fault	Internal ECU fault
ECU EEprom Error	Internal ECU fault
ECU Configuration Error	ECU not programmed
ECU EEprom Unspecified Error	Internal ECU fault
ECU Shutdown FET	Internal ECU fault
Lateral Accelerometer Short Circuit	Lateral accelerometer wiring short circuit
Lateral Accelerometer Open Circuit	Lateral accelerometer wiring open circuit
Lateral Accelerometer Signal	Lateral accelerometer signal fault
AUX 1 / AUX 2 / AUX 3 / AUX 4 / AUX 5	Auxiliary system wiring open or short circuit
External TPMS	TPMS hardware fault (RCU, WUS etc)

Front Panel Information

Password Protection



OK Button



This button is used to:
Switch 'ON' the info Centre Unit
Enter into sub menus
Enter/confirm info centre actions
Enter/confirm info centre value changes
Enter/confirm info centre configuration changes

UP Arrow & DOWN Arrow



This button is used to:
Switch 'ON' the info Centre Unit
Scroll up the main & sub menus
Select info centre configuration units
Select numerical numbers

Service LED



Indicates that the Info Centre is OK (only when running on its internal battery) or that the EB+ power is connected, and it is configured to show faults

Service LED Flashing 'ON' & 'OFF'



Indicates that active DTCs are present or that the service interval period has expired. The light will flash for 10 minutes after the power is removed, or after the Info Centre 2 switches itself 'off'

All of the screens which allow the user to change any of the data fields are password protected. If the user enters a function whilst the Info Centre is locked they will be prompted to enter the PIN as per the unlock function in the settings menu.

Note: As standard the Info Centre will be supplied with the PIN set to 0123.

The Info Centre PIN remains active for:

- > 1 minute in a menu
- > 2 minutes in a function

Permanent PIN Removal

To permanently remove the PIN function from the Info Centre menus, set the PIN number to be 0000. This will stay active until an alternative PIN is entered again.