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MESSAGE CENTER (G2342530)

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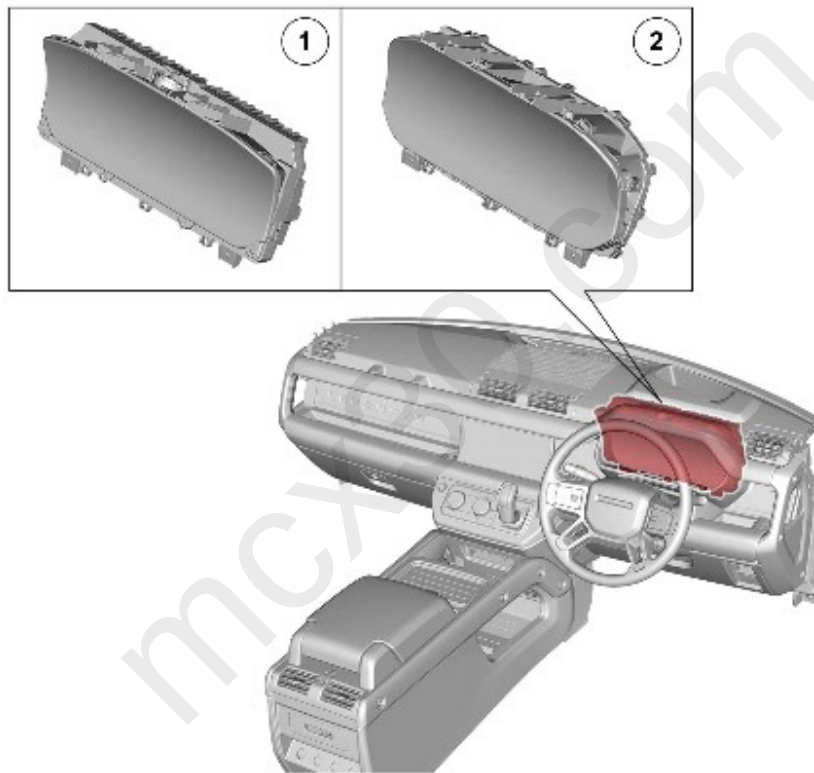
DESCRIPTION AND OPERATION

COMPONENT LOCATION

COMPONENT LOCATION - 1 OF 1

NOTE:

Right Hand Drive (RHD) vehicle is shown, Left Hand Drive (LHD) vehicle is similar.



E254428

ITEM	DESCRIPTION
1	Instrument Panel Cluster (IPC) - Virtual display
2	IPC - Conventional display

OVERVIEW

The message center is located in the IPC.

On the IPC conventional display, the message center is in a central position between the speedometer and the tachometer. The 7 inch Thin Film Transistor (TFT) display can be reconfigured to prioritize and refine the information presented to the driver.



NOTE:

The functions are only available when the virtual IPC is installed in the vehicle.

The IPC virtual display allows a full digital display. The same information is available, the layout of the display is slightly different. The standard position for the message center is in the center of the display which may be moved around depending on the user selected view.

The message center displays vehicle related information to the driver, for example, engine temperature and fuel level.

For additional information, refer to: Instrument Cluster (413-01 Instrument Cluster, Description and Operation).

DESCRIPTION

MESSAGE CENTER

The message center is a TFT screen located in the center of the IPC conventional display. Other information displayed in this area is temporarily removed to allow for the message to be displayed.

The standard position for the message center in the IPC virtual display is located in the center of the display.

The messages are displayed in priority order (if more than 1 message is present) for approximately 4 seconds as the event occurs. The messages can be cleared after the 4 seconds by pressing the 'O' switch on the left Steering Wheel Switch. The driver can view current system status messages in the message center. In Power Mode 6 (ignition ON) the warning messages can be displayed using the 'Show Warnings' selection of the 'Display' in the main menu. The menu is not available while warnings are displayed, the warnings must be cleared before the main menu can be accessed.

The messages may be accompanied by an icon.

For additional information, refer to: Instrument Cluster (413-01 Instrument Cluster, Description and Operation).

MAIN MENU



NOTE:

The exact menu content depends on the vehicle configuration.

The left SWS contains the controls for the IPC menu selection. The IPC display settings and some vehicle features can be configured using the IPC menu. Press the 'O' icon to display the IPC menu, and the IPC menu controls.

The left SWS allows access to the following displays in main menu functions:

- Trip
 - Trip bank
 - Content.
- Display
 - Show warnings
 - Info panel
 - Left info panel
 - Right info panel
 - Layout
 - Off road information.
- Head Up Display (HUD)
 - Enable HUD
 - Brightness
 - Position
 - HUD content.
- Tire information
 - Tire pressures
 - Tire Pressure Monitoring System Control Module (TPM) load setting.
- Phone
- Media.

TRIP

The trip computer displays and stores trip information. Trip information is displayed in the information panel.

There are 3 independent trip recordings available to view:

- A
- B
- Automatic.

The IPC main menu is used to select which trip recording is displayed. The A and B memories can be set independently, while the 'Trip Auto' resets after every ignition cycle as the vehicle moves.

The automatic trip is always available. Previous trips can be added to form a continuous trip recording. Press and release the trip switch on the end of the left steering column switch when the automatic trip information is displayed. The message center confirms that the previous journey information has been added. Press and hold the trip switch for 3 seconds to add the data.

Press and release the trip switch to delete the previous trip information when the automatic trip information is displayed. The message center confirms deletion of the previous journey data.

Trip A and B can be reset by the driver at any time. Press and hold the trip switch for 3 seconds to erase the previous trip information when the message center displays the required information.

Resetting trip A or B does not affect the other trip information. For example, if trip A is reset, trip B retains its information until it is reset.

In the trip computer menu, you can also select the displayable content which is shown at the bottom of the trip computer display. The selection displays includes:

- Trip distance
- Average speed
- Average economy
- Instantaneous economy
- Driving style
- Range
- Combined range - Plug-in Hybrid Electric Vehicle (PHEV) only
- Electric Vehicle (EV) range - PHEV only.

DISPLAY

Show warnings

Shows the warnings that have been displayed.

Info panel - 2 dials

'Info panel' in 2 dial is shown only when the 2 dial view is active.

'Media' is the default when you reset the battery.

'Off road information' is not shown in expanded and full map view.

The following are available to view in the message center by operation:

- Driver assistance
- Clock
- Map
- Media
- Trip summary

- Off road information
- Off.

Info panel - 1 dial

'Info panel' in 1 dial is shown only when the 1 dial view is active.

When the 1 dial view is active, the left information panel and right information panel show instead.

- In expanded and in full map layouts
 - 'Info Panel' menus are not shown.
 - The Lane Departure Warning (LDW) display minimizes.
- In the left information panel
 - 'Media' is the default when you reset the battery.
- In the right information panel.
 - 'Map' is the default when you reset the battery.
 - If 'Map' is not installed, the default is 'Trip summary' instead.

Left info panel

Contains sub-menus and settings to allow the driver to configure the IPC display.

The following are available to view in the message center by operation:

- Driver assistance (LHD vehicle only)
- Clock
- Trip summary
- Media
- Off road information (LHD vehicle only)
- Off.

Right info panel

Contains sub-menus and settings to allow the driver to configure the IPC display.

The following are available to view in the message center by operation:

- Map
- Clock
- Trip summary
- Media

- Off.

Layout

There are 3 display layouts available:

- Minimal
- Split
- Full screen.

The following are available to view in the message center by operation:

- Driver assistance (expanded option only)
- Media (expanded option only)
- Full map
- 1 dial
- 2 dial.

Off road information

Displays a message about the vehicle in off road driving system.

HUD INFORMATION – IF EQUIPPED

- 'Enable HUD'
 - Allows the HUD to be turned ON or OFF.
- 'Brightness'
 - Allows the driver to adjust the brightness of the HUD.
- 'Position'
 - The correct position is dependent on the height of the driver and the seat position.
 - The position of the HUD can be stored using the seat memory function.
- ' HUD content' - The HUD can only display information that is also currently displayed in the IPC. The position and format of the displayed information is dependent on the priority and number of options selected including:
 - Driver assistance
 - Navigation
 - Traffic Sign Recognition (TSR)
 - Gear state
 - Media and phone.

TIRE INFORMATION

Provides information on the settings for the tire pressure monitoring, display units (psi, kPa, or bar) and the load setting.

The following are available to view in the message center by operation:

- Tire pressures:
 - Advised
 - Front left
 - Front right
 - Rear left
 - Rear right
 - Spare.
- TPM load setting - Rest of World (ROW):
 - Light load
 - Heavy load.
- TPM load setting - North American Specification (NAS):
 - Light load
 - Normal load.

PHONE

The recent list is dynamic and updates depending on available sources from the Front Infotainment Control Module (FICM). Phone menu only visible when mobile phone is connected to car.

MEDIA

Source list up to 50 sources. Source list is dynamic and updates depending on available sources from the FICM.

OPERATION

MESSAGE CENTER

The messages which can be displayed in the message center are mainly generated from other system control modules.

The majority of messages are requested by system modules and displayed on the message center. The IPC monitors system status through the bus systems and displays system information messages as requested by the controlling module. Other system control modules are also capable of generating messages to display system status. Messages may be accompanied by a chime, which is requested by the control module generating the message and generated by the IPC through the sounder. The sounder is located on the top of the IPC. The chime is dependant on the level or concern of the message.

When a system control module detects a change or a fault which is tagged to generate a message, an electronic signal is sent. The message is sent through the High Speed (HS) Controller Area Network (CAN) systems bus to the IPC, which displays the message. If more than 1 message is requested the message center displays them in order of priority.

For additional information, refer to: Instrument Cluster (413-01, Description and Operation).

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